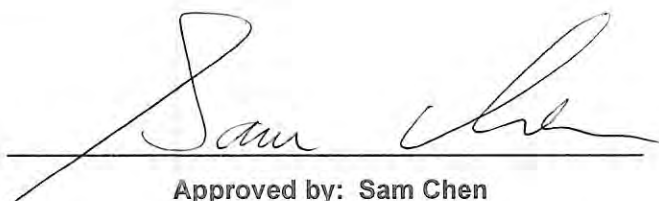


RADIO TEST REPORT

FCC ID : NKR-DHURAZ68
Equipment : DHUR-AZ68 11a/b/g/n/ac 2x2 module
Brand Name : WNC
Model Name : DHUR-AZ68
Applicant : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu
308, Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu
308, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 20, 2017, and testing was started from Apr. 02, 2018 and completed on Apr. 23, 2018. We, Sporton International Inc. Hsinchu 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 test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



Summary of Test Result

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

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



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	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ 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

Set	Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
							WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	1	1	WNC	DHUR-AZ68ANT0	Printed Antenna	N/A	5.31	5.92	-
	2	2	WNC	DHUR-AZ68ANT1	Printed Antenna	N/A	5.26	5.91	-
2	3	1	WNC	81.EK615.G69	PIFA Antenna	I-PEX	3.71	5.21	-
	4	2	WNC	81.EK615.G68	PIFA Antenna	I-PEX	2.44	6.64	-
3	5	1	WNC	81.EK615.G66	PIFA Antenna	I-PEX	2.02	5.20	-
	6	2	WNC	81.EK615.G65	PIFA Antenna	I-PEX	0.64	5.06	-
4	7	1	WNC	81.EK615.G72	PIFA Antenna	I-PEX	1.08	3.67	-
	8	2	WNC	81.EK615.G71	PIFA Antenna	I-PEX	0.68	2.47	-
5	9	1	WNC	81.EK615.G56	PIFA Antenna	I-PEX	1.97	3.83	-
	10	2	WNC	81.EK615.G57	PIFA Antenna	I-PEX	1.73	3.88	-
6	11	1	WNC	81.EK615.G58	PIFA Antenna	I-PEX	-	-	5.85
7	12	1	WNC	81.EK615.G59	PIFA Antenna	I-PEX	-	-	4.03
8	13	1	WNC	81.EK615.G51	PIFA Antenna	I-PEX	-	-	1.29
9	14	1	WNC	81.EK615.G64	PIFA Antenna	I-PEX	-	-	-0.5
10	15	1	WNC	81.EK615.G67	PIFA Antenna	I-PEX	-	-	1.84
11	16	1	WNC	81.EK615.G70	PIFA Antenna	I-PEX	-	-	0.73

Note1: The above information was declared by manufacturer.

Note2: The EUT has eleven set antennas, and they have total of sixteen antennas.

For 2.4GHz / 5GHz WLAN function (2TX/2RX):

Antenna set 1~5 support 2.4GHz / 5GHz WLAN function.

Antenna set 2~5 are the same type antennas, only the higher gain antenna "Set 2" was tested and recorded in the report.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

Antenna set 6~11 support Bluetooth function.

Antenna set 6~11 are the same type antennas, only the higher gain antenna "Set 6" was tested and recorded in the report.

Only Port 1 can be used as transmitting/receiving.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT20	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT80	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
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
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QATool_Dbg			

Note: The above information was declared by manufacturer.

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR7D1249-03

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

Modifications	Performance Checking
Adding model name for antenna set 1.	After evaluation, it is not necessary to verify.

Note: The rest results were based on original test report.



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

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

- ♦ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li	25°C / 55%	Apr. 19, 2018~Apr. 23, 2018
Radiated	03CH01-CB	Eddie Weng & Justin Lin	22°C / 54%	Apr. 02, 2018~Apr. 23, 2018

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)_2TX	-
5260MHz	20
5300MHz	20
5320MHz	21
5500MHz	20
5580MHz	21
5700MHz	1E
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	24
5580MHz	22
5700MHz	21
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	28
5310MHz	21
5510MHz	1F
5550MHz	28
5670MHz	23
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	1F
5530MHz	1F
5610MHz	25

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 X axis, Y axis and Z axis position. The worst case was found at Y axis, so the measurement will follow this same test configuration.	
1	EUT Y axis with Set 2 antennas (5GHz WLAN function)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT with Set 1 and Set 6 antennas (2.4GHz WLAN + Bluetooth function)
2	EUT with Set 1 and Set 6 antennas (5GHz WLAN + Bluetooth function)
3	EUT with Set 2 and Set 6 antennas (2.4GHz WLAN + Bluetooth function)
4	EUT with Set 2 and Set 6 antennas (5GHz WLAN + Bluetooth function)
Refer to Sporton Test Report No.: FA7D1249-12 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

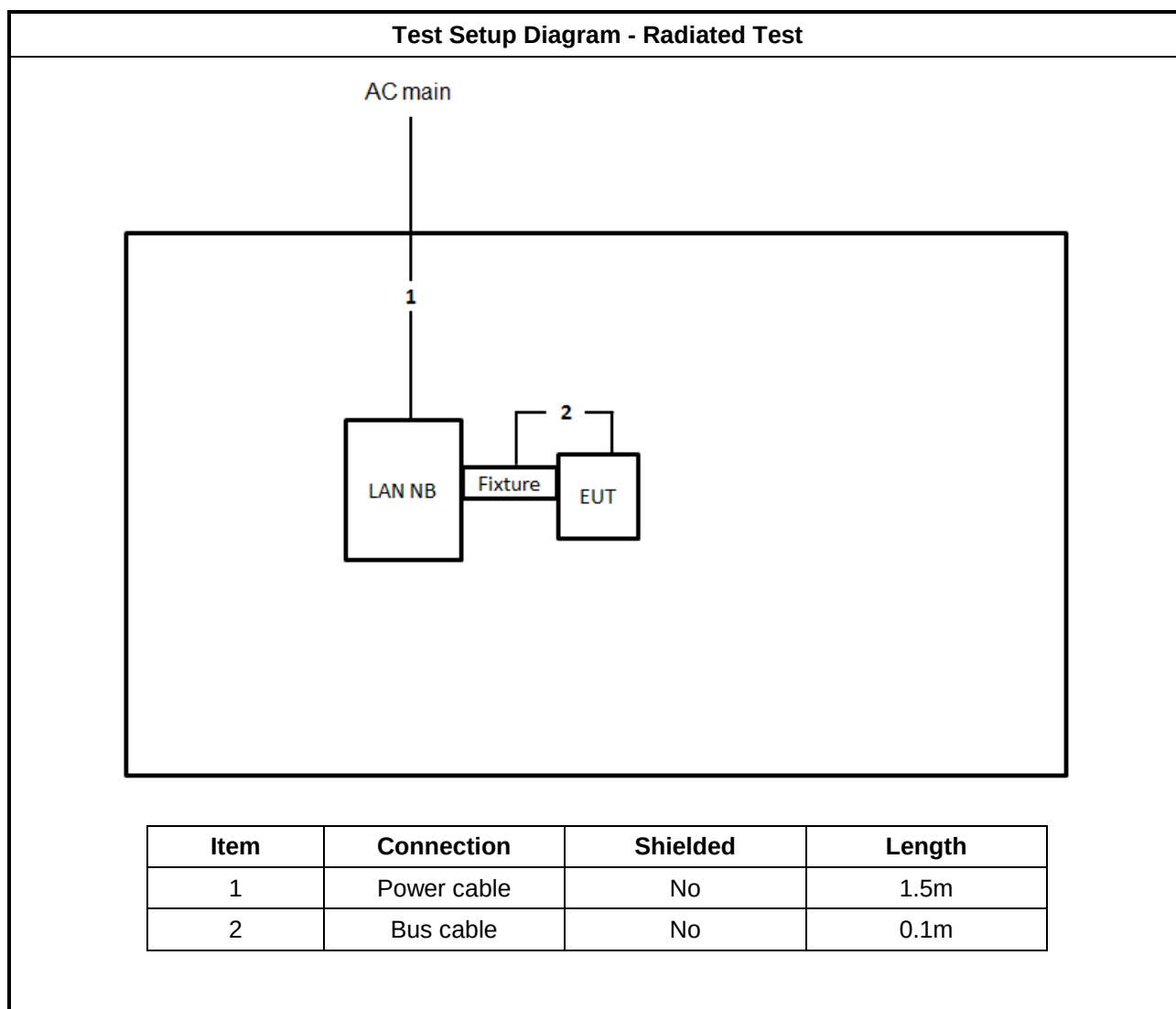
2.4 Accessories

N/A

2.5 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	N/A
2	Fixture	WNC	48DHUR09.SGB	N/A

2.6 Test Setup Diagram



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, 26 dB emission bandwidth ,N/A. 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.

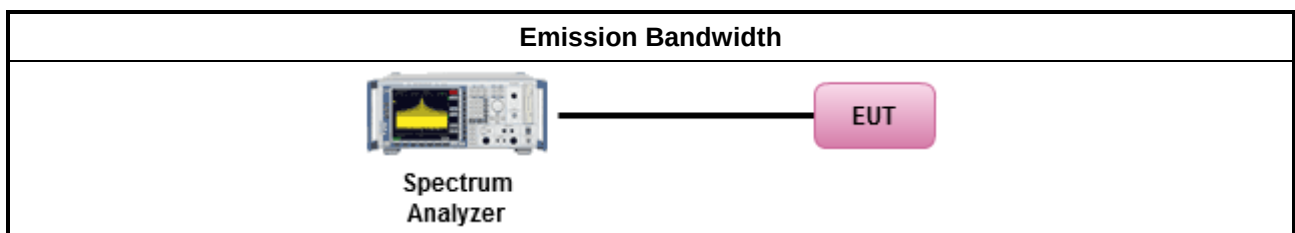
3.1.2 Measuring Instruments

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 D02, 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





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.	

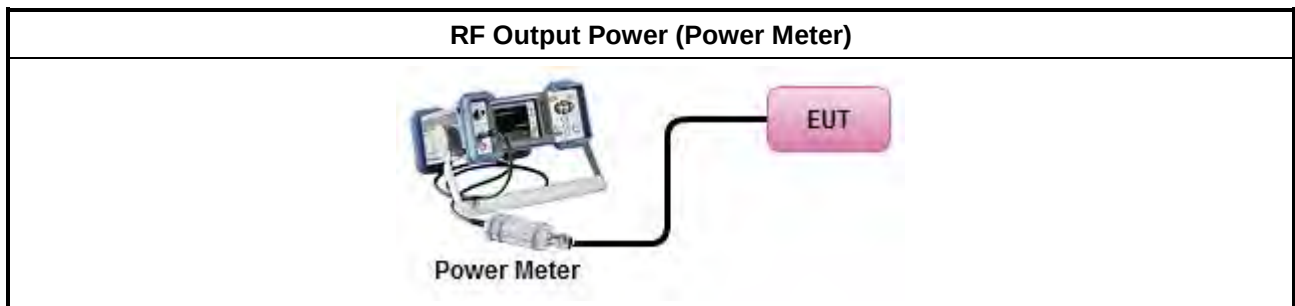
3.2.2 Measuring Instruments

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 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, 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 D02, 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐	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

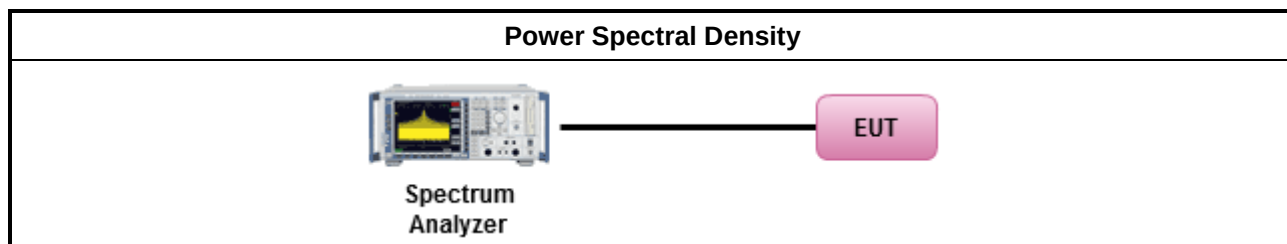
Refer a test equipment and calibration data table in this test report.



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 D02, 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 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, 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 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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).

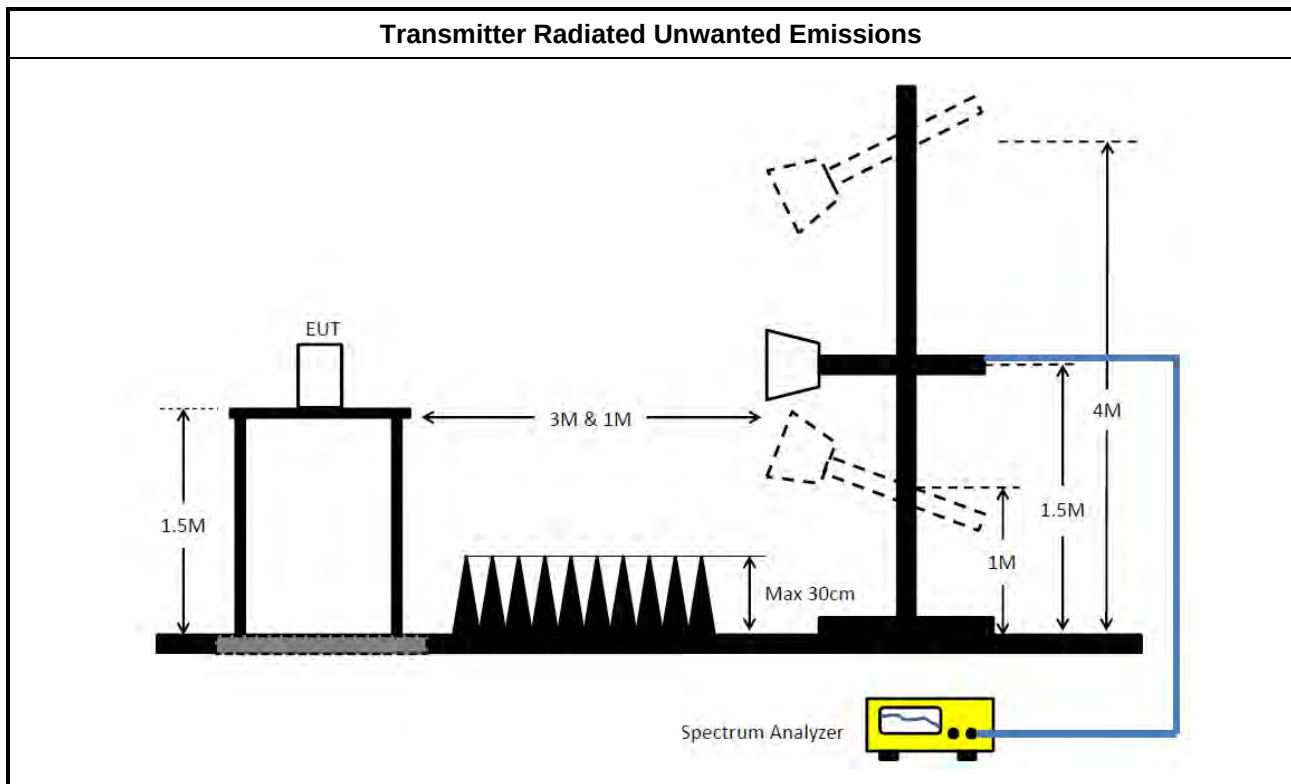
3.4.2 Measuring Instruments

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 $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause H)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause H)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, H)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, H)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause H)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	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	Jul. 05, 2017	Jul. 04, 2018	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. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz~18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz~18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz~40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz~40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	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	1GHz~ 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1GHz~ 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1GHz~ 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1GHz~ 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1GHz~ 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.5M	16.442M	16M4D1D	20.625M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	25.475M	17.591M	17M6D1D	20.625M	17.566M
802.11ac VHT40_Nss1,(MCS0)_2TX	77.15M	36.482M	36M5D1D	40.85M	36.082M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.7M	75.862M	75M9D1D	81.5M	75.662M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	30.375M	16.667M	16M7D1D	23.75M	16.442M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.5M	17.716M	17M7D1D	26.05M	17.641M
802.11ac VHT40_Nss1,(MCS0)_2TX	83.95M	37.781M	37M8D1D	40.95M	36.082M
802.11ac VHT80_Nss1,(MCS0)_2TX	152.1M	76.262M	76M3D1D	86.9M	75.762M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

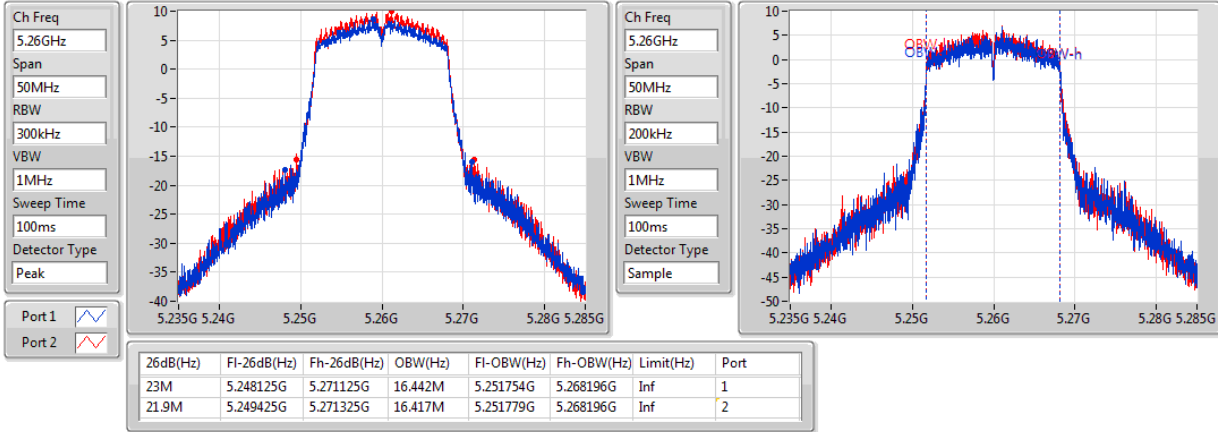
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	23M	16.442M	21.9M	16.417M
5300MHz	Pass	Inf	22.075M	16.392M	20.625M	16.392M
5320MHz	Pass	Inf	25.5M	16.442M	22.225M	16.392M
5500MHz	Pass	Inf	26.45M	16.492M	23.75M	16.442M
5580MHz	Pass	Inf	30.375M	16.667M	28.5M	16.642M
5700MHz	Pass	Inf	27.25M	16.542M	25.15M	16.442M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	23.55M	17.566M	20.625M	17.566M
5300MHz	Pass	Inf	23.7M	17.591M	22.25M	17.566M
5320MHz	Pass	Inf	25.475M	17.591M	23.125M	17.566M
5500MHz	Pass	Inf	31.5M	17.691M	27.575M	17.666M
5580MHz	Pass	Inf	30.875M	17.716M	27.775M	17.691M
5700MHz	Pass	Inf	29.025M	17.691M	26.05M	17.641M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	77.15M	36.482M	71.65M	36.382M
5310MHz	Pass	Inf	41.05M	36.232M	40.85M	36.082M
5510MHz	Pass	Inf	41.1M	36.082M	40.95M	36.132M
5550MHz	Pass	Inf	83.95M	37.781M	81.25M	36.832M
5670MHz	Pass	Inf	73.85M	36.382M	65.9M	36.332M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.7M	75.662M	81.5M	75.862M
5530MHz	Pass	Inf	86.9M	75.762M	91.7M	75.862M
5610MHz	Pass	Inf	137.3M	76.262M	152.1M	76.162M

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

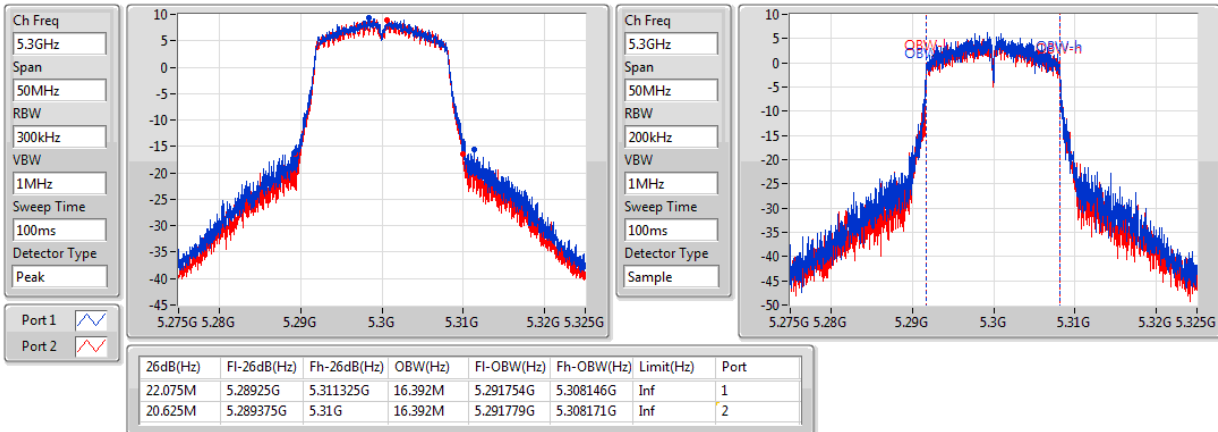
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

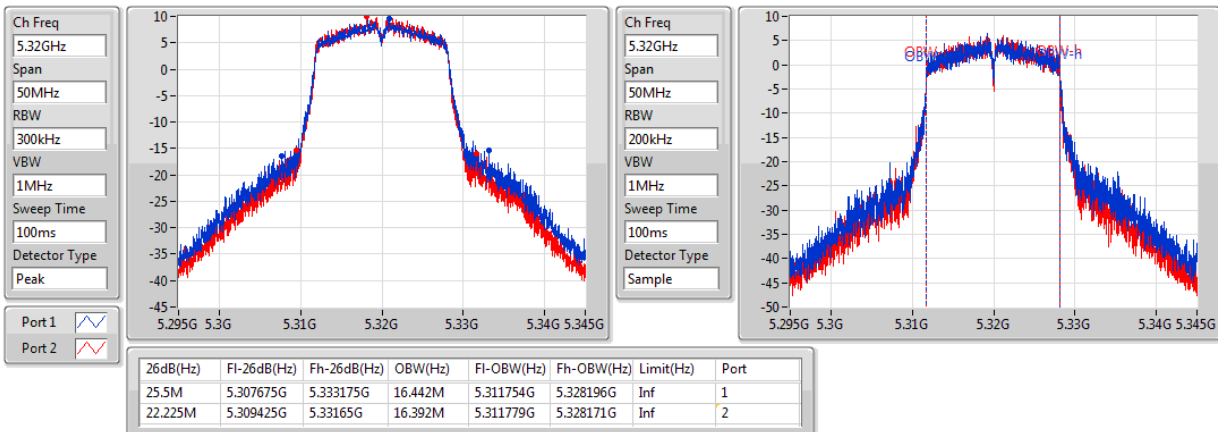
19/04/2018


802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

19/04/2018

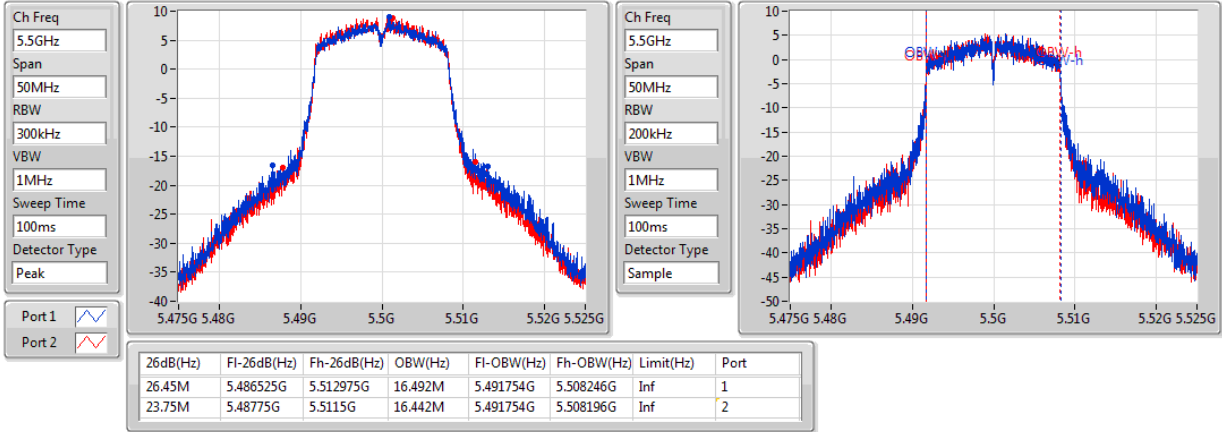

802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz

19/04/2018

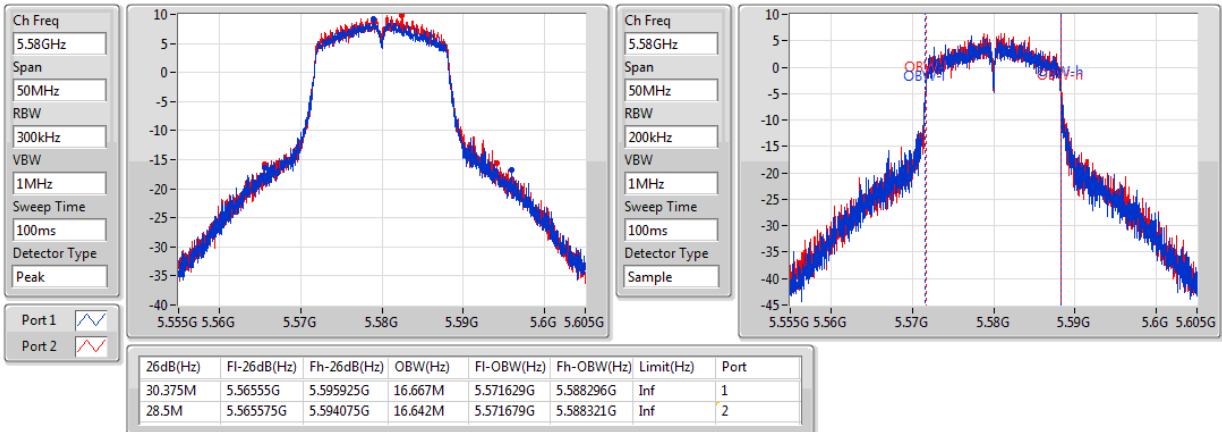


802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

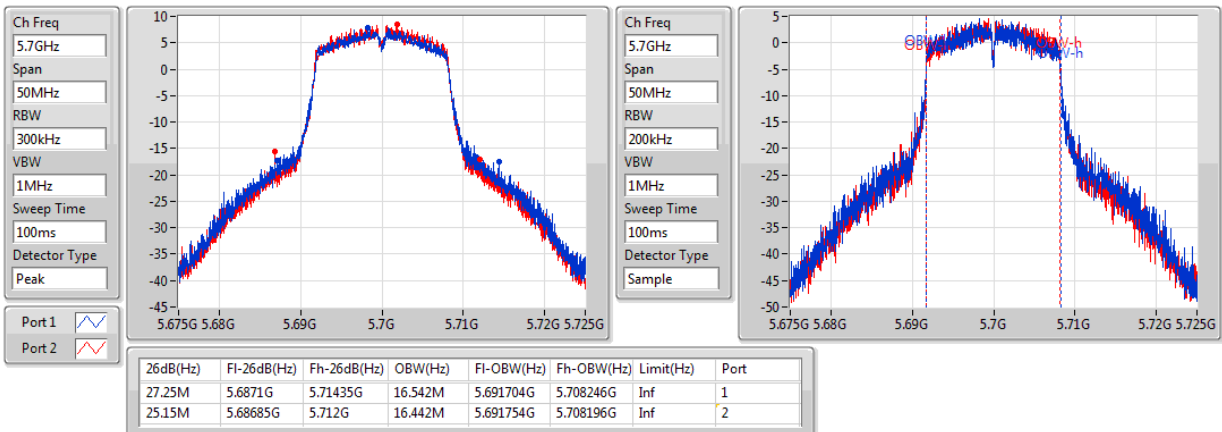
19/04/2018


802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

20/04/2018

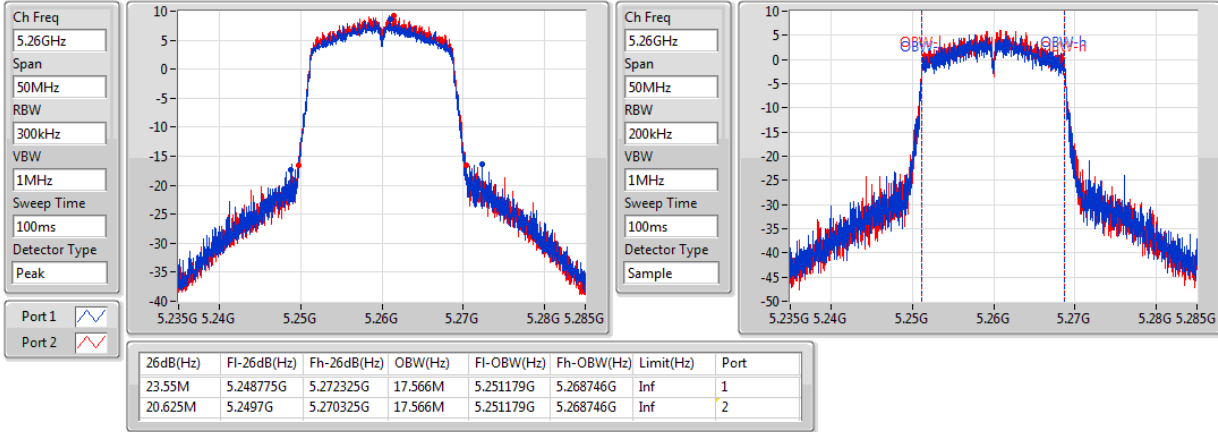

802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

20/04/2018

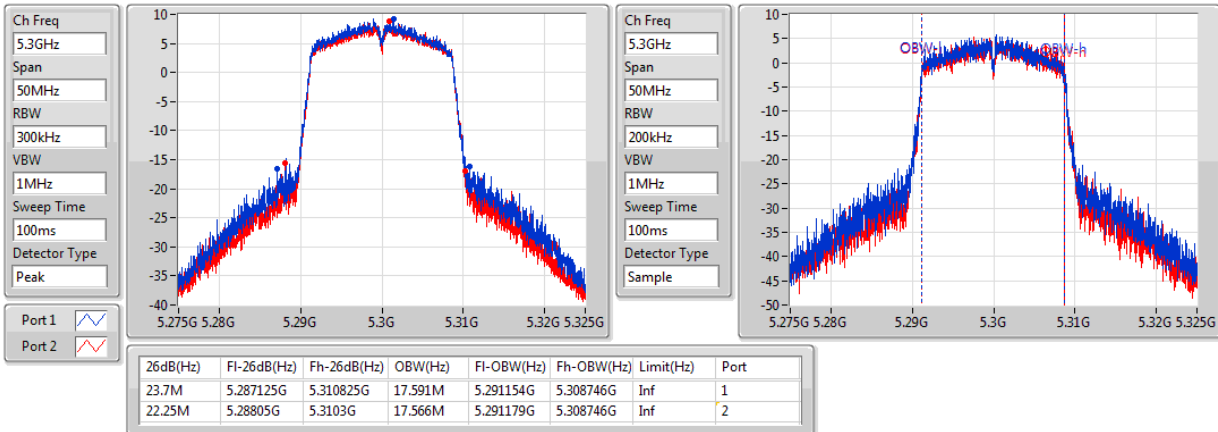


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5260MHz

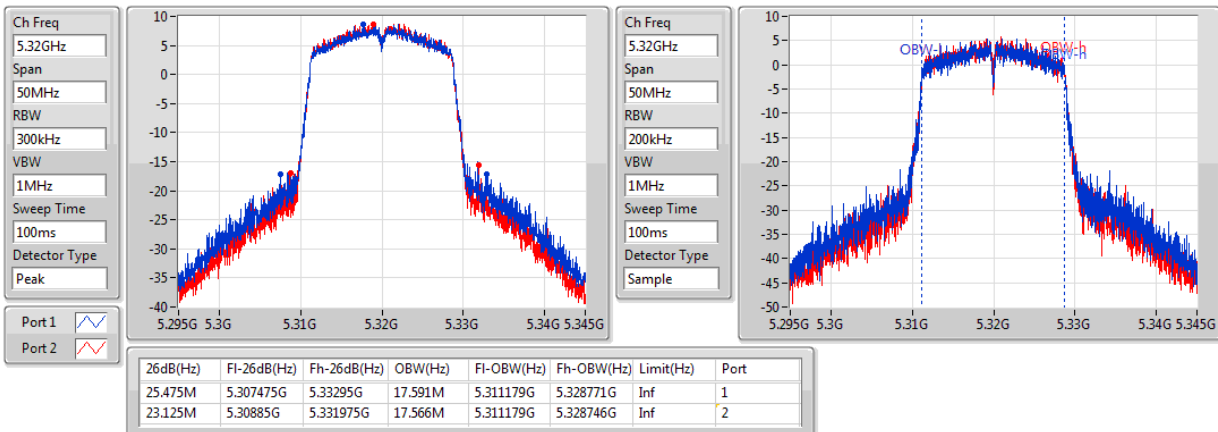
20/04/2018


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

20/04/2018

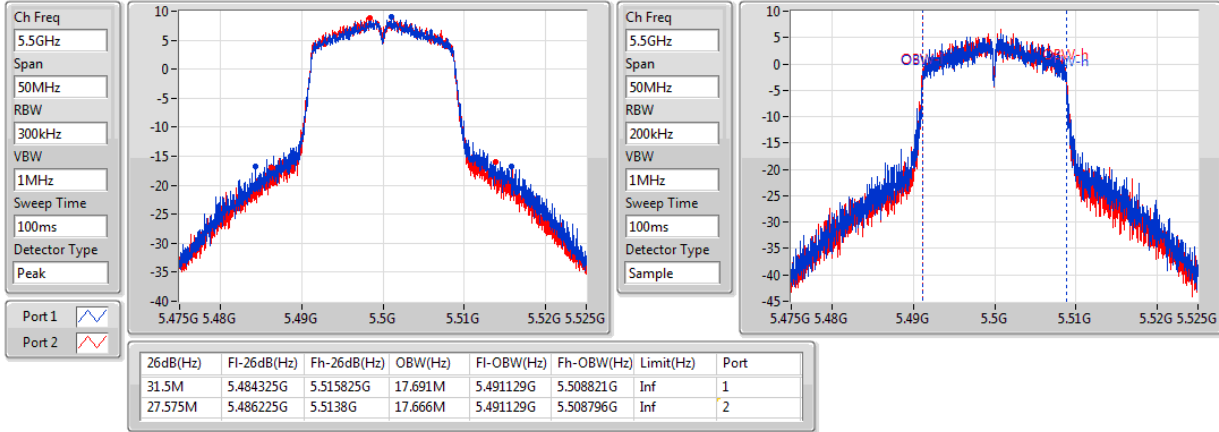

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

20/04/2018

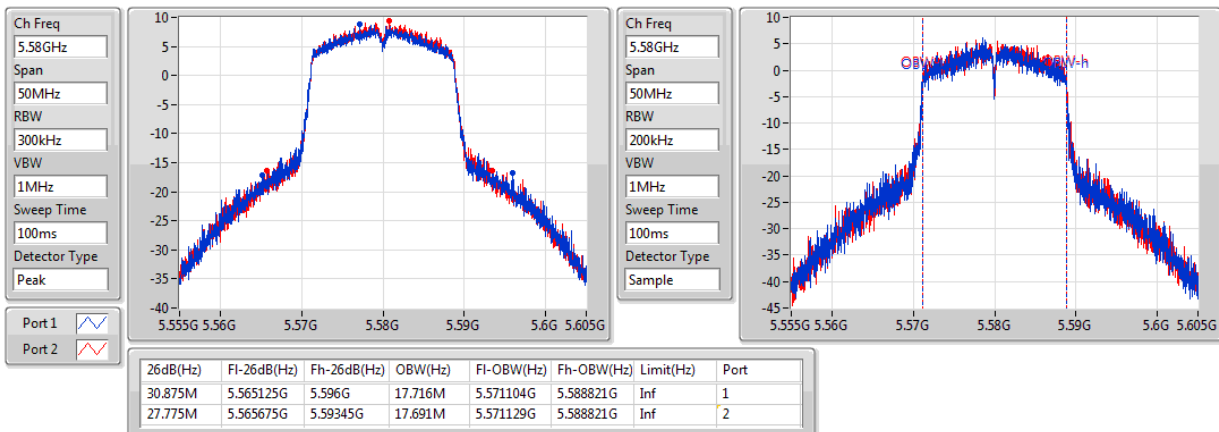


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

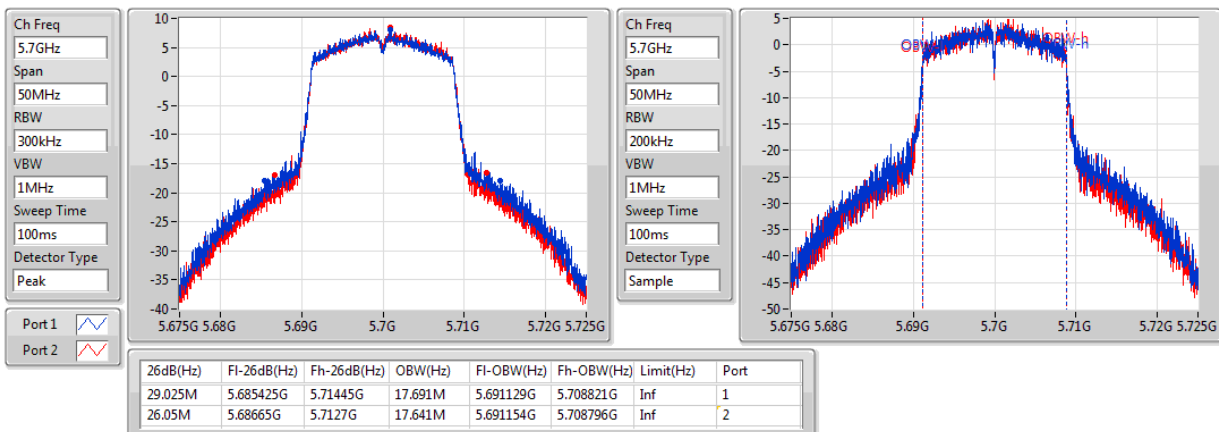
20/04/2018


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

20/04/2018

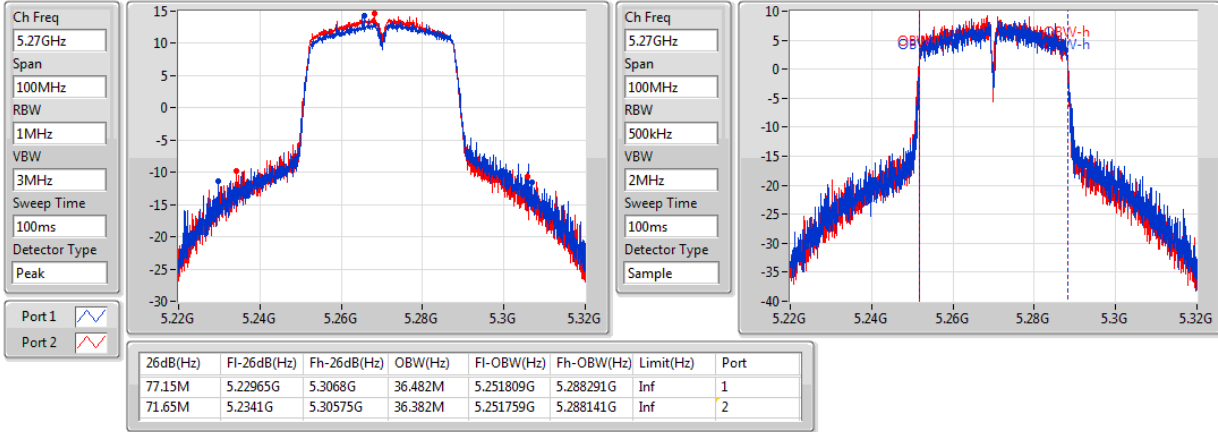

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

20/04/2018

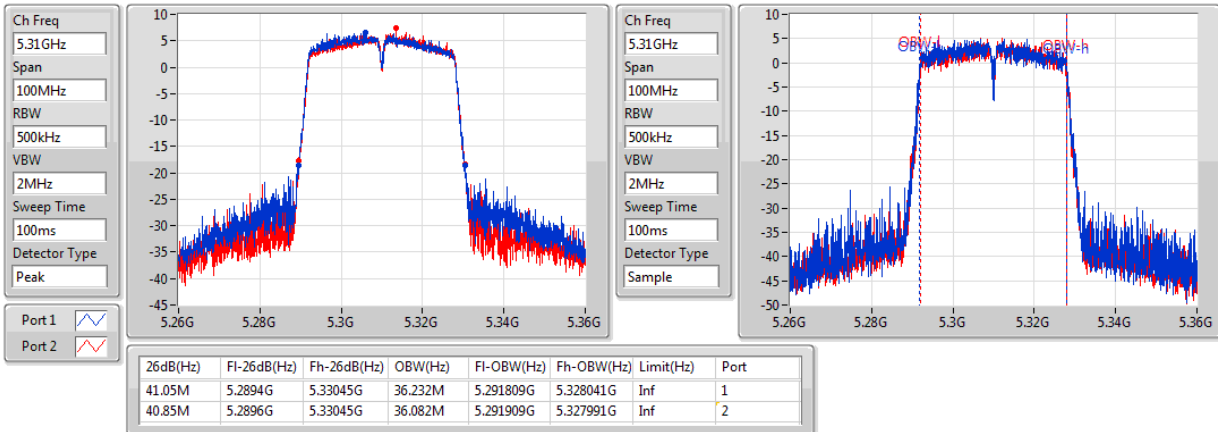


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

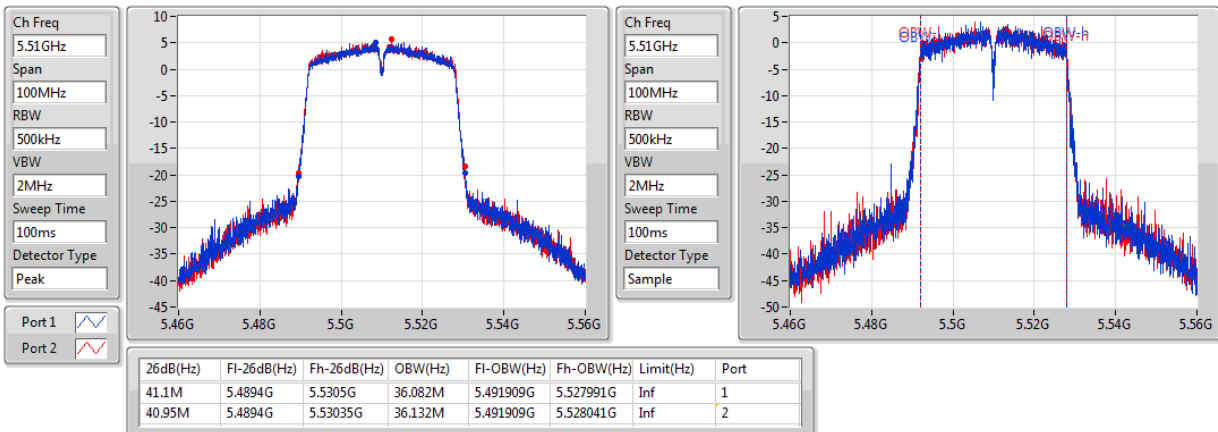
20/04/2018


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

20/04/2018

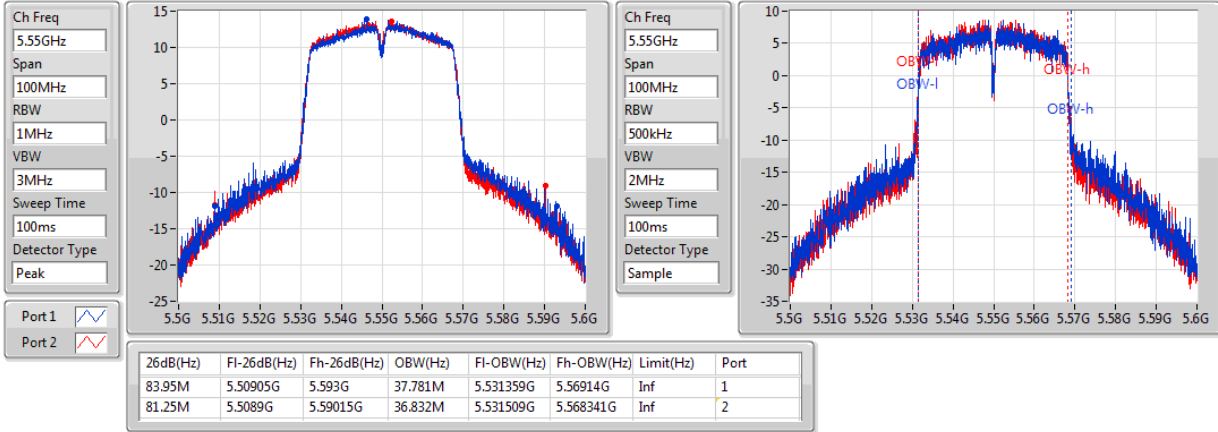

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

20/04/2018

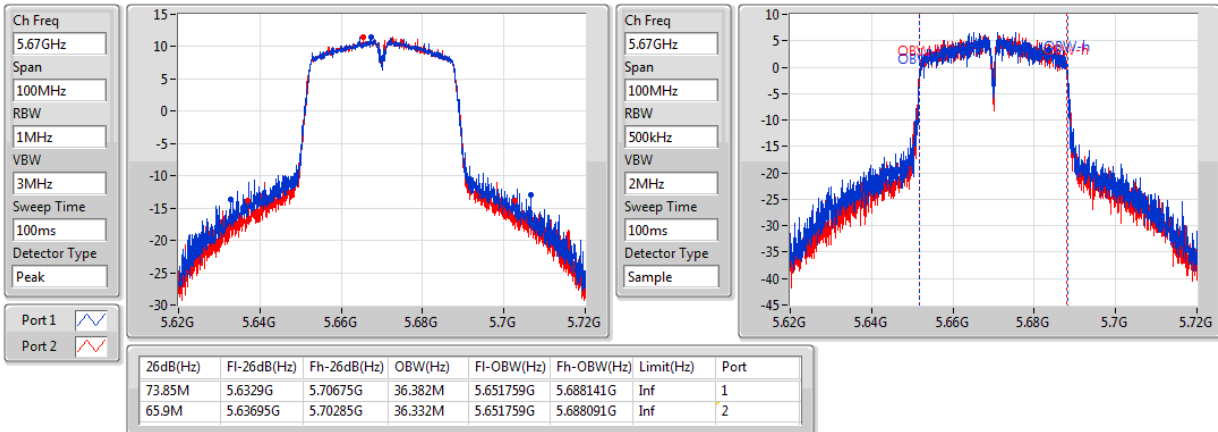


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

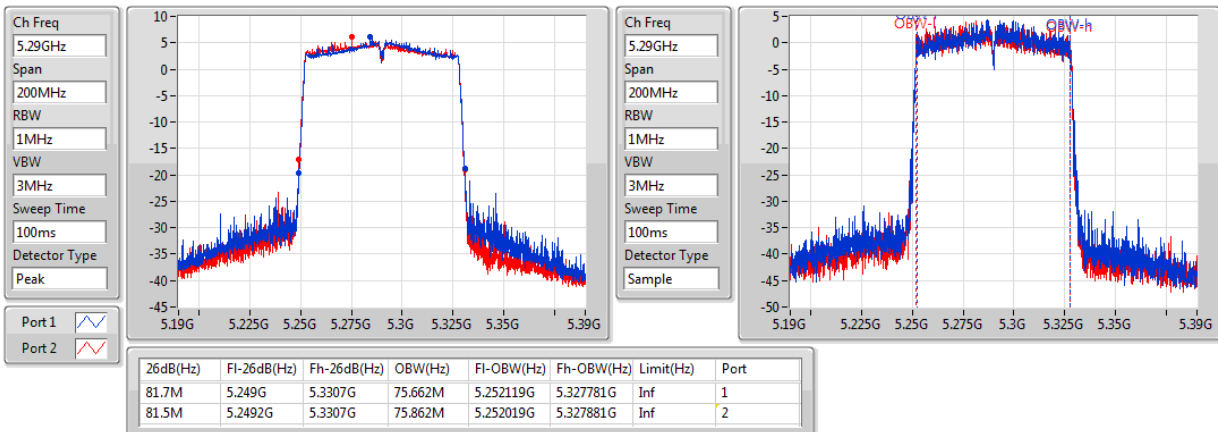
20/04/2018


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

20/04/2018

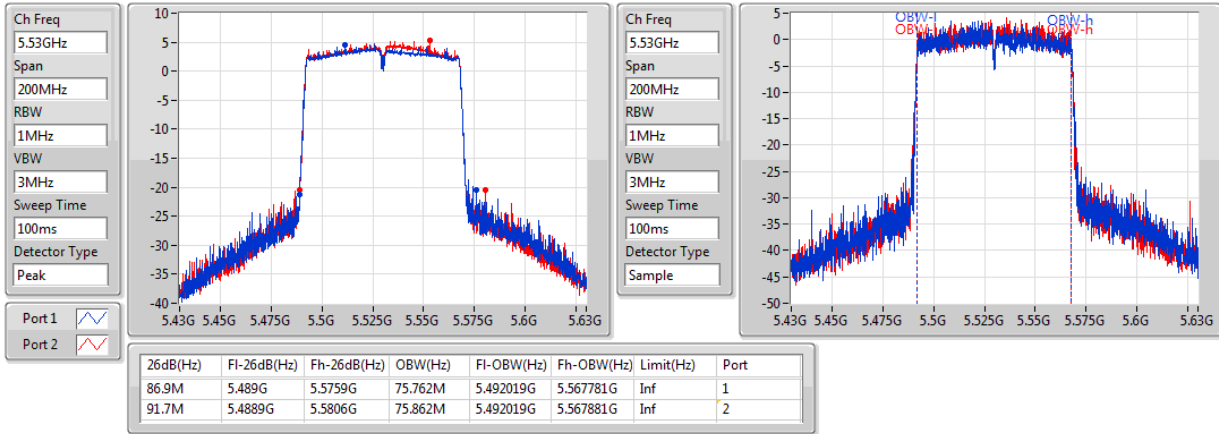

802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

20/04/2018

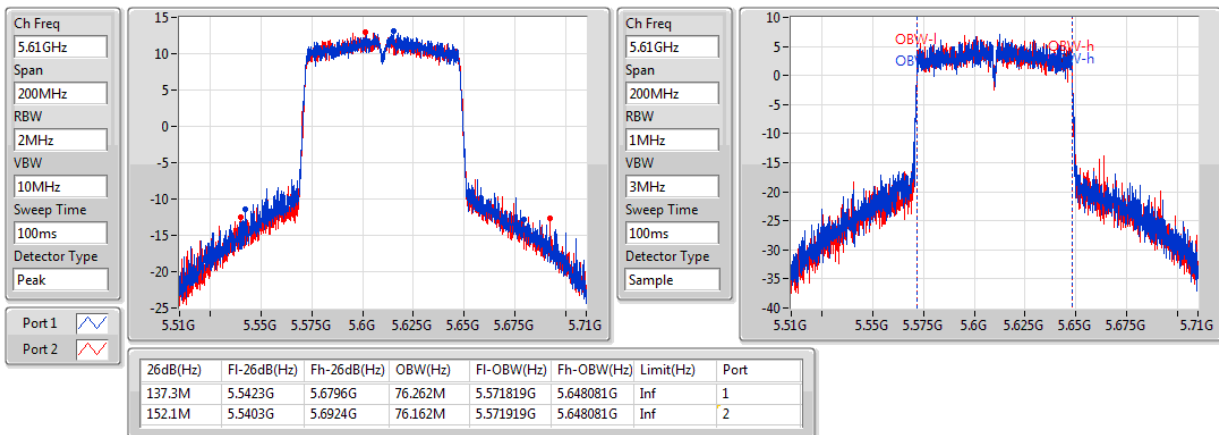


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5530MHz

20/04/2018


802.11ac VHT80_Nss1,(MCS0)_2TX
EBW
5610MHz

20/04/2018



Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.71	0.11776
802.11ac VHT20_Nss1,(MCS0)_2TX	20.41	0.10990
802.11ac VHT40_Nss1,(MCS0)_2TX	22.93	0.19634
802.11ac VHT80_Nss1,(MCS0)_2TX	18.33	0.06808
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.60	0.11482
802.11ac VHT20_Nss1,(MCS0)_2TX	20.66	0.11641
802.11ac VHT40_Nss1,(MCS0)_2TX	23.22	0.20989
802.11ac VHT80_Nss1,(MCS0)_2TX	21.20	0.13183

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.64	17.37	17.91	20.66	23.34
5300MHz	Pass	6.64	17.14	17.79	20.49	23.34
5320MHz	Pass	6.64	17.42	17.96	20.71	23.34
5500MHz	Pass	6.64	16.88	17.24	20.07	23.34
5580MHz	Pass	6.64	17.34	17.82	20.60	23.34
5700MHz	Pass	6.64	15.78	15.94	18.87	23.34
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.64	17.05	17.68	20.39	23.34
5300MHz	Pass	6.64	17.18	17.61	20.41	23.34
5320MHz	Pass	6.64	17.02	17.33	20.19	23.34
5500MHz	Pass	6.64	17.56	17.74	20.66	23.34
5580MHz	Pass	6.64	17.15	17.42	20.30	23.34
5700MHz	Pass	6.64	17.52	17.61	20.58	23.34
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.64	19.67	20.15	22.93	23.34
5310MHz	Pass	6.64	16.23	16.41	19.33	23.34
5510MHz	Pass	6.64	14.81	15.21	18.02	23.34
5550MHz	Pass	6.64	20.18	20.23	23.22	23.34
5670MHz	Pass	6.64	17.56	17.73	20.66	23.34
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	6.64	15.65	14.96	18.33	23.34
5530MHz	Pass	6.64	14.81	15.43	18.14	23.34
5610MHz	Pass	6.64	18.14	18.23	21.20	23.34

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.96
802.11ac VHT20_Nss1,(MCS0)_2TX	7.68
802.11ac VHT40_Nss1,(MCS0)_2TX	6.69
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.82
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.94
802.11ac VHT20_Nss1,(MCS0)_2TX	7.66
802.11ac VHT40_Nss1,(MCS0)_2TX	7.05
802.11ac VHT80_Nss1,(MCS0)_2TX	1.16

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.96	4.56	5.36	7.96	8.04
5300MHz	Pass	8.96	5.20	4.67	7.94	8.04
5320MHz	Pass	8.96	5.03	4.56	7.80	8.04
5500MHz	Pass	8.96	4.70	4.67	7.68	8.04
5580MHz	Pass	8.96	4.75	5.18	7.94	8.04
5700MHz	Pass	8.96	2.93	2.92	5.91	8.04
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.96	4.30	4.98	7.64	8.04
5300MHz	Pass	8.96	4.87	4.32	7.59	8.04
5320MHz	Pass	8.96	4.52	4.83	7.68	8.04
5500MHz	Pass	8.96	4.59	4.75	7.66	8.04
5580MHz	Pass	8.96	4.39	4.76	7.56	8.04
5700MHz	Pass	8.96	3.89	3.99	6.92	8.04
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	8.96	3.18	4.18	6.69	8.04
5310MHz	Pass	8.96	0.29	0.15	3.20	8.04
5510MHz	Pass	8.96	-0.93	-0.73	2.17	8.04
5550MHz	Pass	8.96	3.89	4.20	7.05	8.04
5670MHz	Pass	8.96	1.22	1.47	4.31	8.04
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	8.96	-4.63	-5.05	-1.82	8.04
5530MHz	Pass	8.96	-4.52	-3.79	-1.13	8.04
5610MHz	Pass	8.96	-1.84	-1.84	1.16	8.04

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;

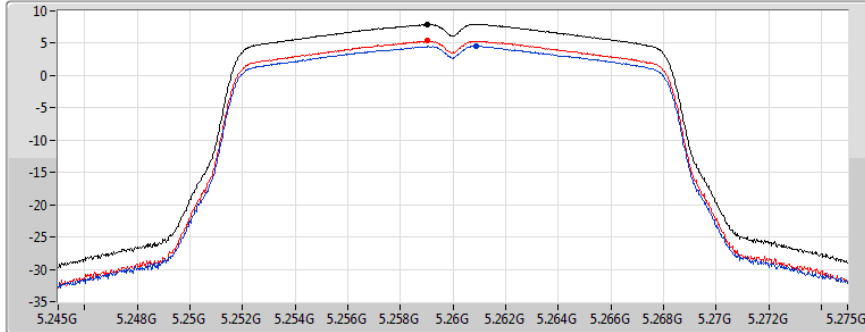
802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

19/04/2018

Ch Freq
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.96	7.96	4.56	5.36

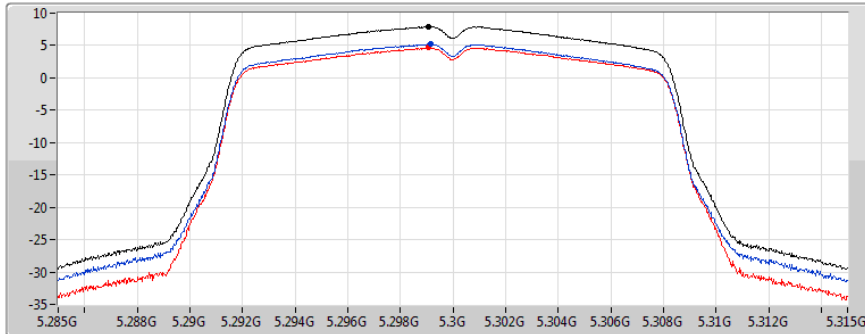
802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

19/04/2018

Ch Freq
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	5.20	4.67

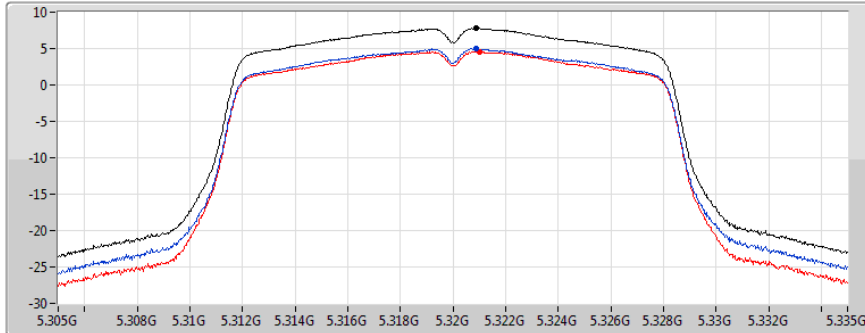
802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

03/02/2018

Ch Freq
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	5.03	4.56

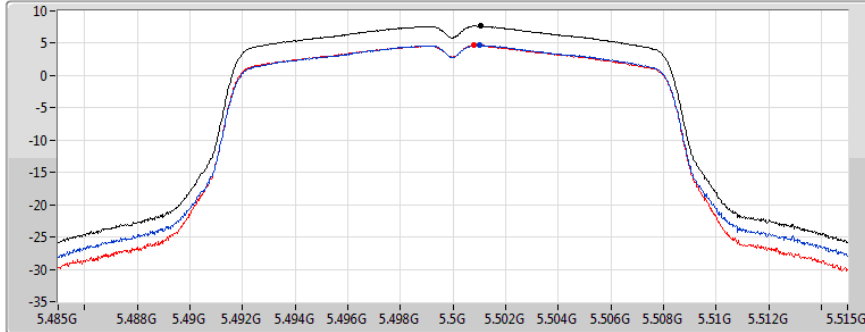
802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

19/04/2018

Ch Freq
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	4.70	4.67

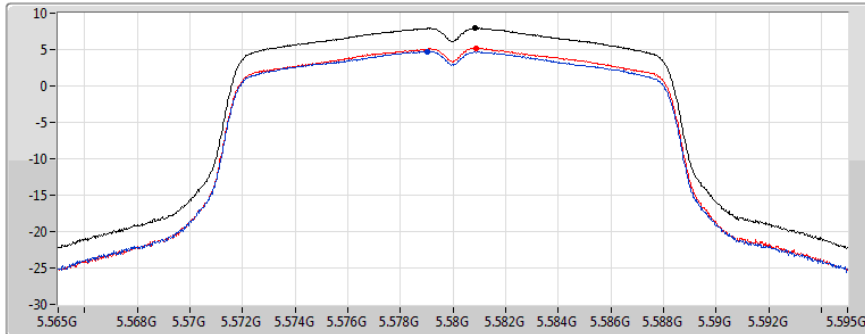
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

20/04/2018

Ch Freq
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	4.75	5.18

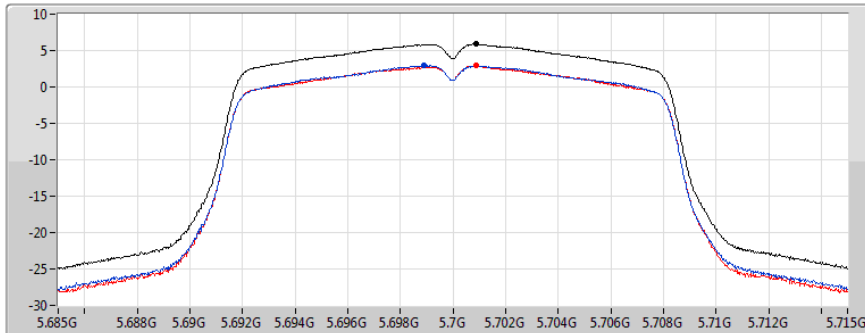
802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

03/02/2018

Ch Freq
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

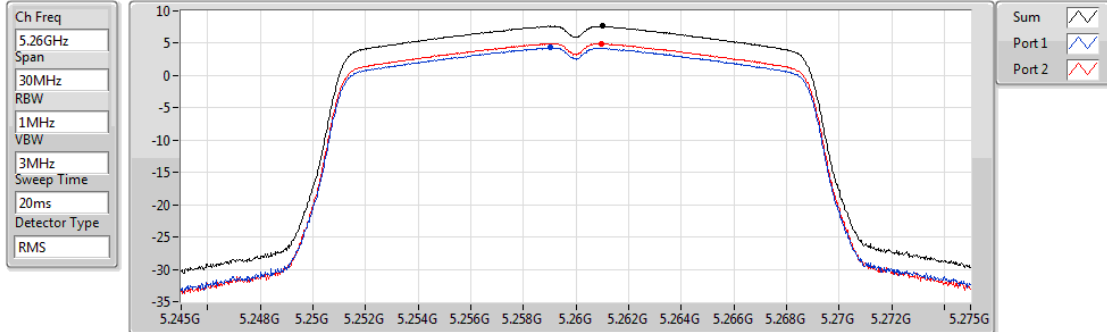
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.91	5.91	2.93	2.92

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

20/04/2018



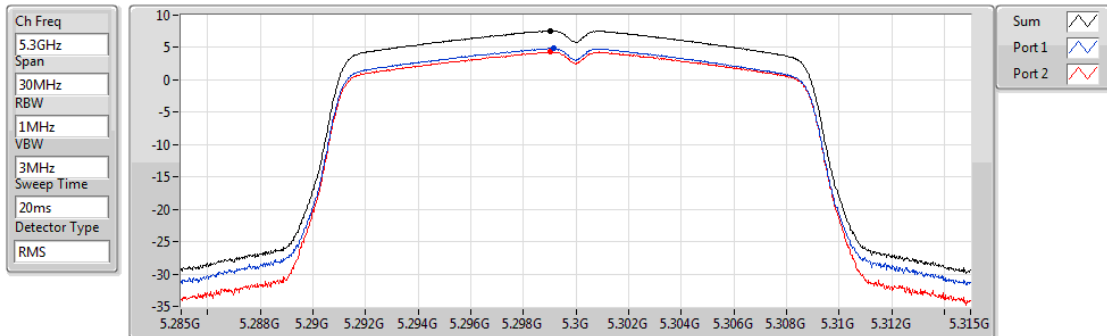
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.64	7.64	4.30	4.98

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

20/04/2018



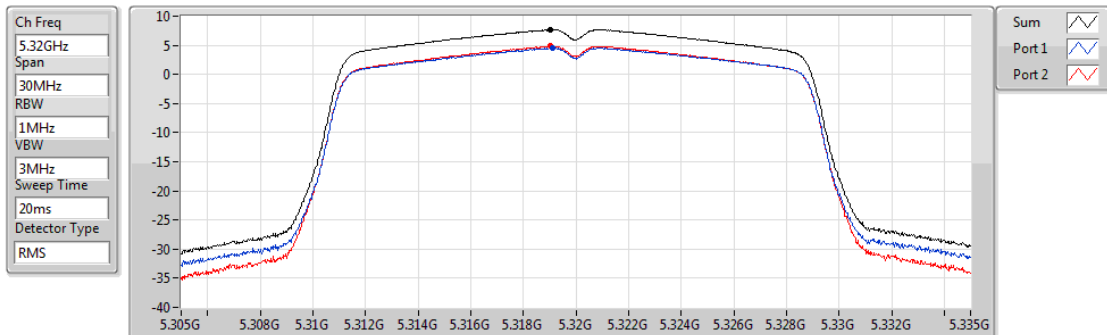
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.59	7.59	4.87	4.32

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

20/04/2018



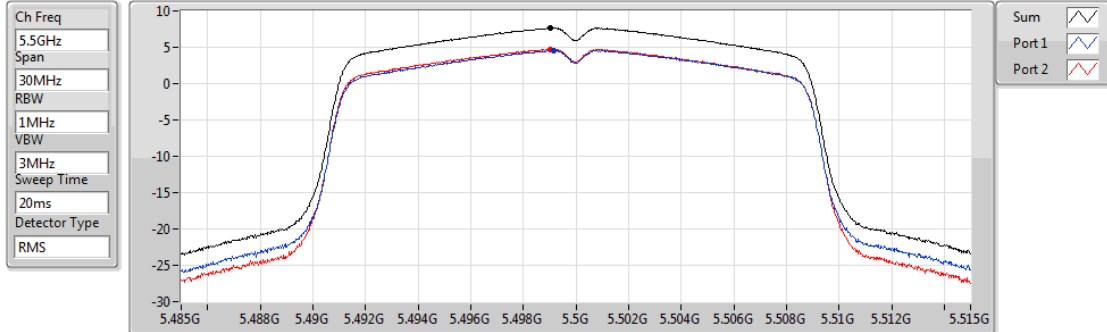
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	4.52	4.83

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

20/04/2018



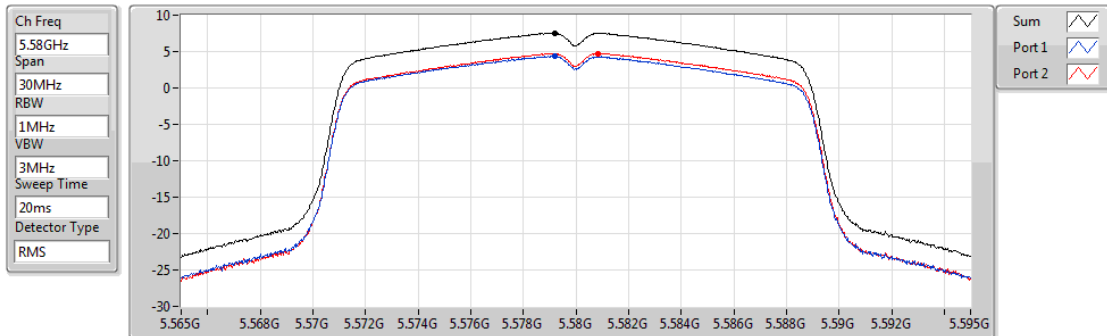
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.66	7.66	4.59	4.75

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

20/04/2018



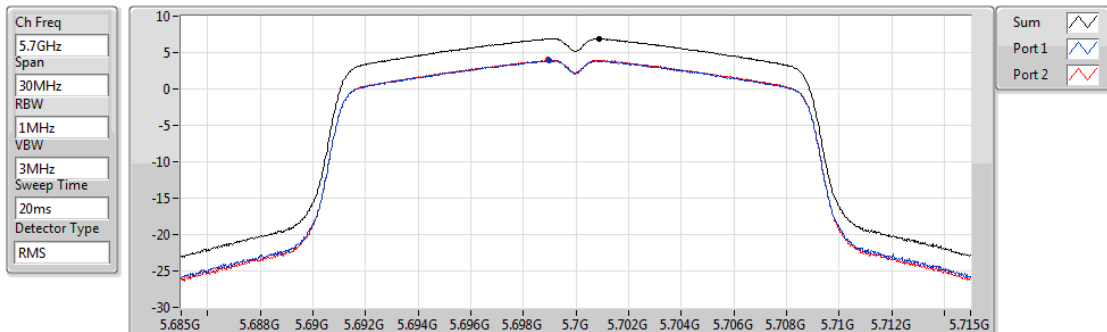
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.56	7.56	4.39	4.76

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

05/02/2018



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.92	6.92	3.89	3.99

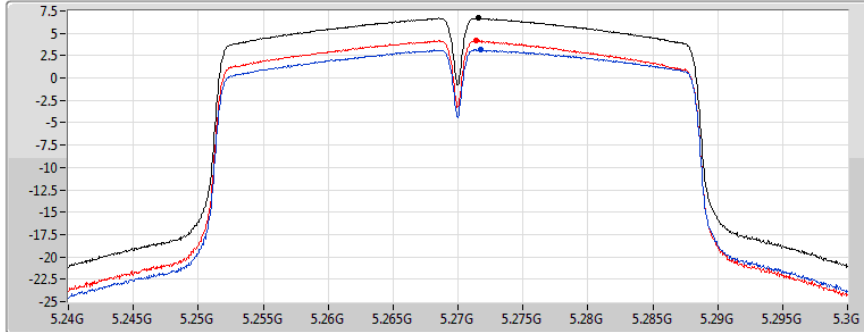
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

20/04/2018

Ch Freq
5.27GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.69	6.69	3.18	4.18

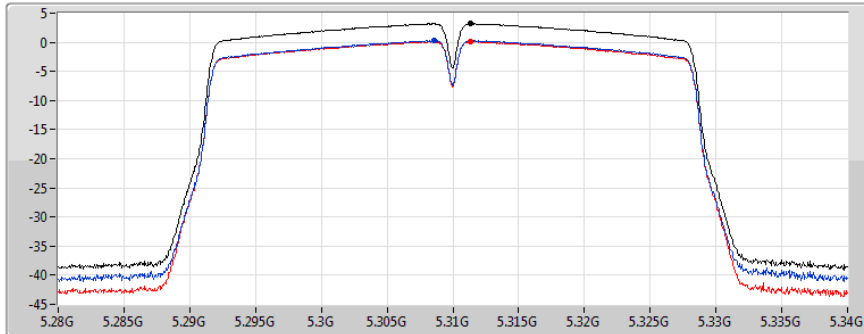
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5310MHz

05/02/2018

Ch Freq
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.20	3.20	0.29	0.15

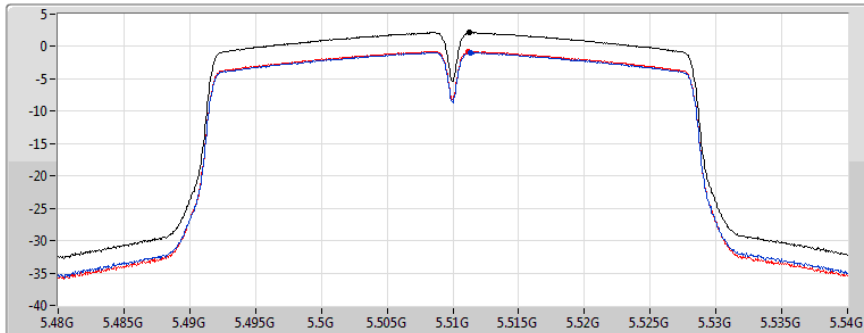
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

05/02/2018

Ch Freq
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



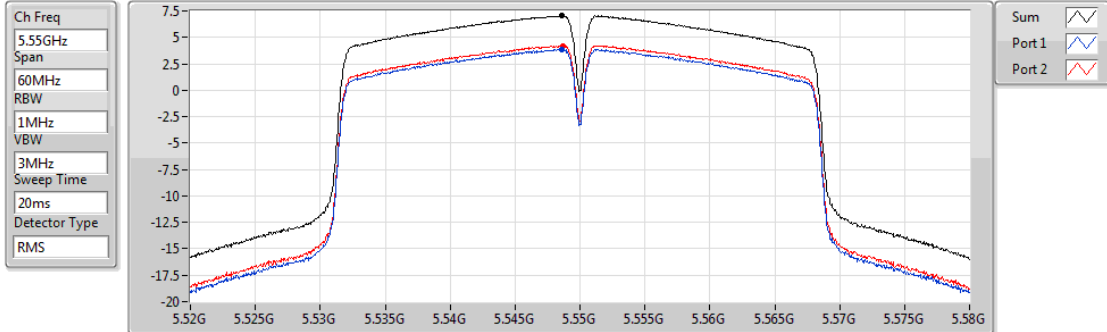
Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.17	2.17	-0.93	-0.73

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz

05/02/2018

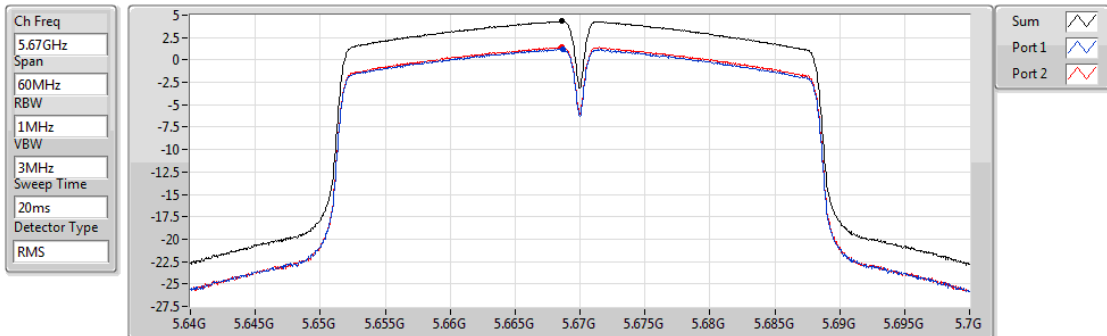


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	3.89	4.20

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz

05/02/2018

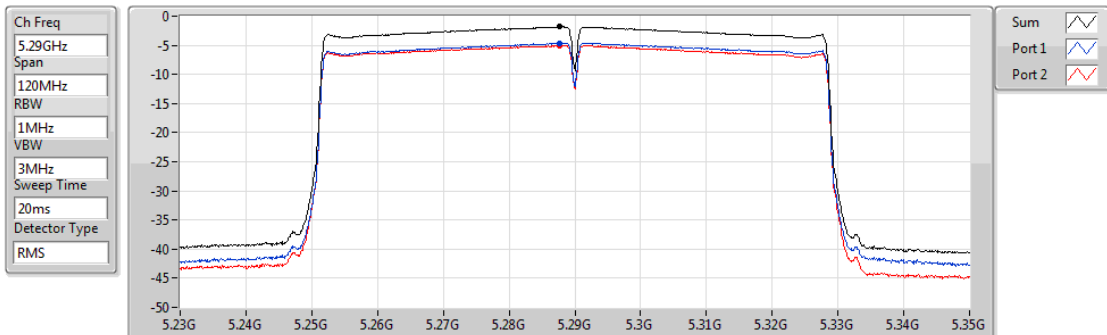


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.31	4.31	1.22	1.47

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz

05/02/2018



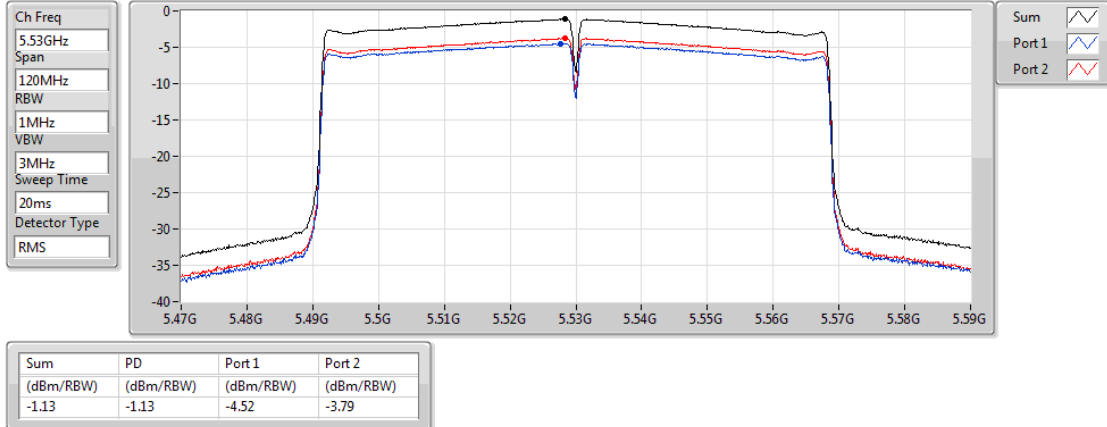
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.82	-1.82	-4.63	-5.05

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

05/02/2018

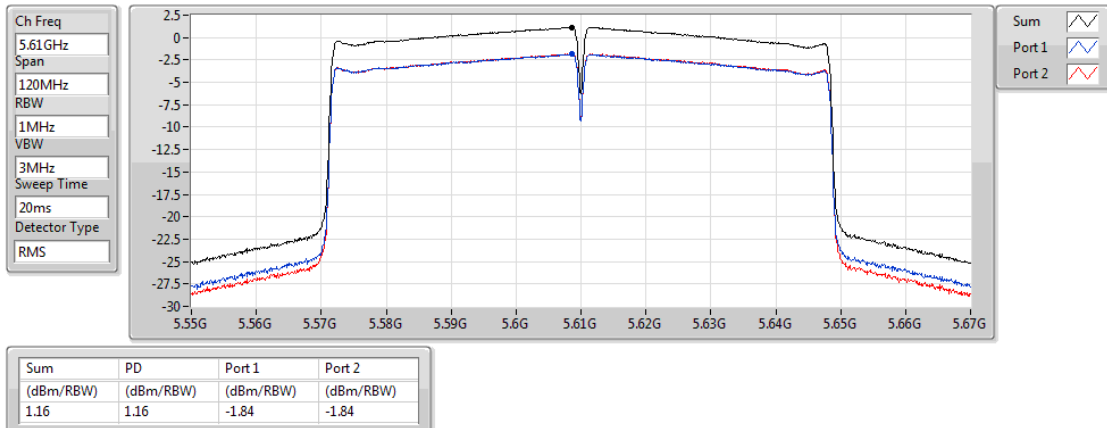


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

05/02/2018





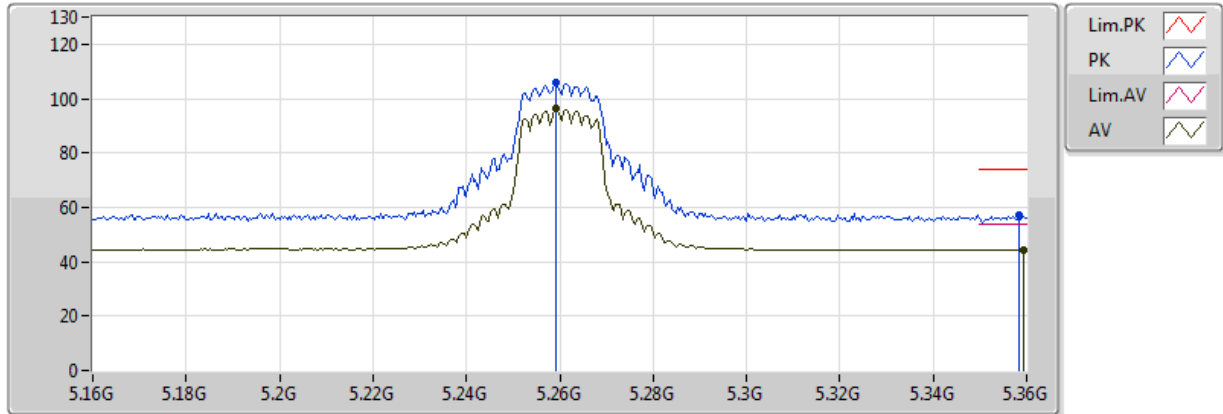
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.4698G	53.98	54.00	-0.02	6.79	3	Horizontal	311	1.67	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

19/04/2018



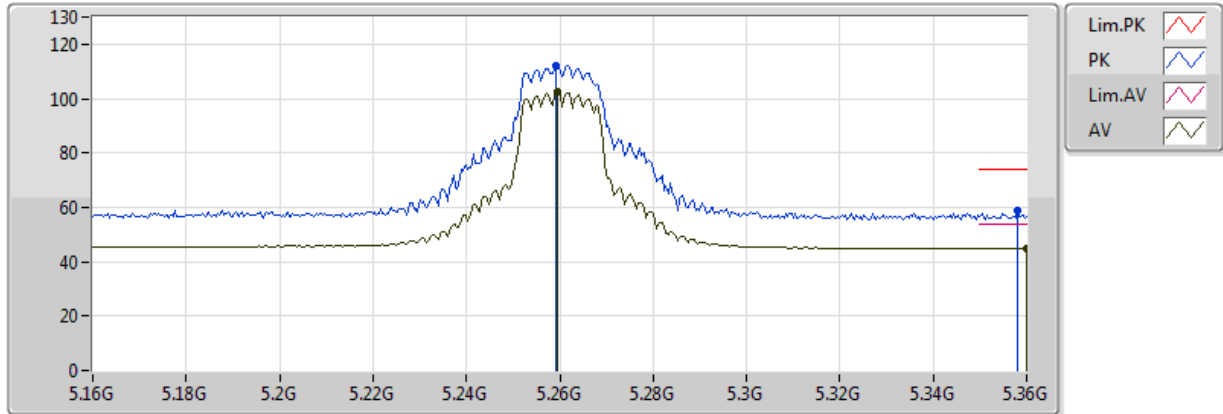
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2592G	105.74	Inf	-Inf	6.46	3	Vertical	330	1.07	-
AV	5.2592G	96.16	Inf	-Inf	6.46	3	Vertical	330	1.07	-
PK	5.3584G	57.11	74.00	-16.89	6.61	3	Vertical	330	1.07	-
AV	5.3592G	44.51	54.00	-9.49	6.61	3	Vertical	330	1.07	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

19/04/2018



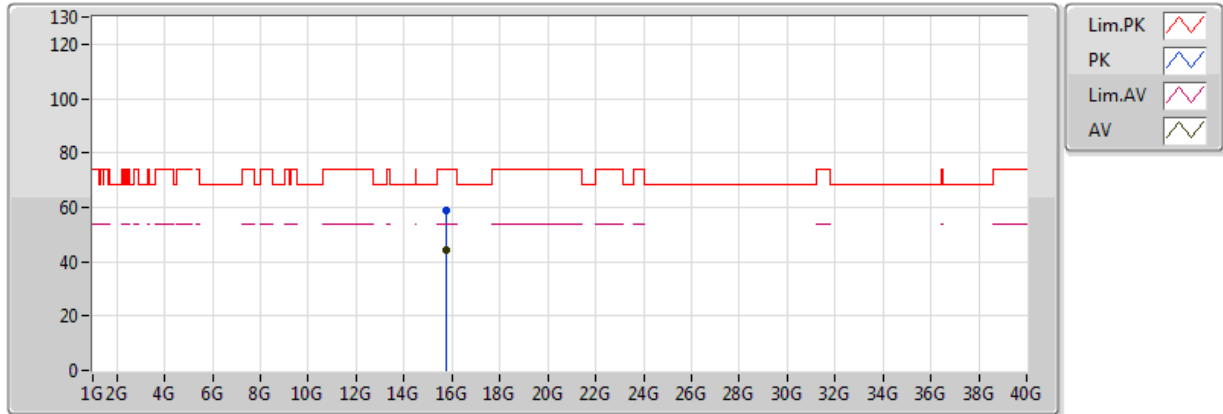
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2592G	112.29	Inf	-Inf	6.46	3	Horizontal	333	1.60	-
AV	5.2596G	102.56	Inf	-Inf	6.46	3	Horizontal	333	1.60	-
PK	5.358G	58.77	74.00	-15.23	6.61	3	Horizontal	333	1.60	-
AV	5.36G	45.03	54.00	-8.97	6.61	3	Horizontal	333	1.60	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

19/04/2018



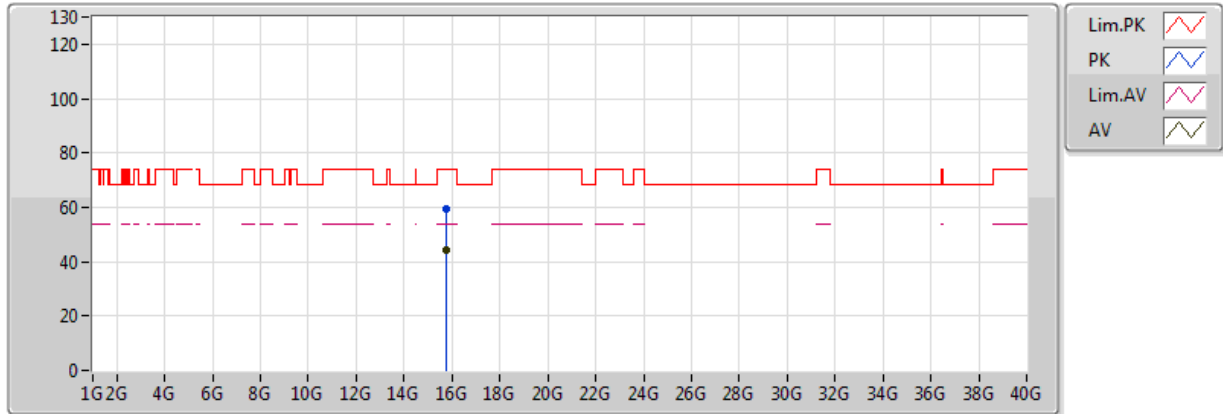
EUT Y_2 TX
Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78568G	58.85	74.00	-15.15	15.63	3	Vertical	226	1.50	-
AV	15.78848G	44.38	54.00	-9.62	15.62	3	Vertical	226	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

19/04/2018



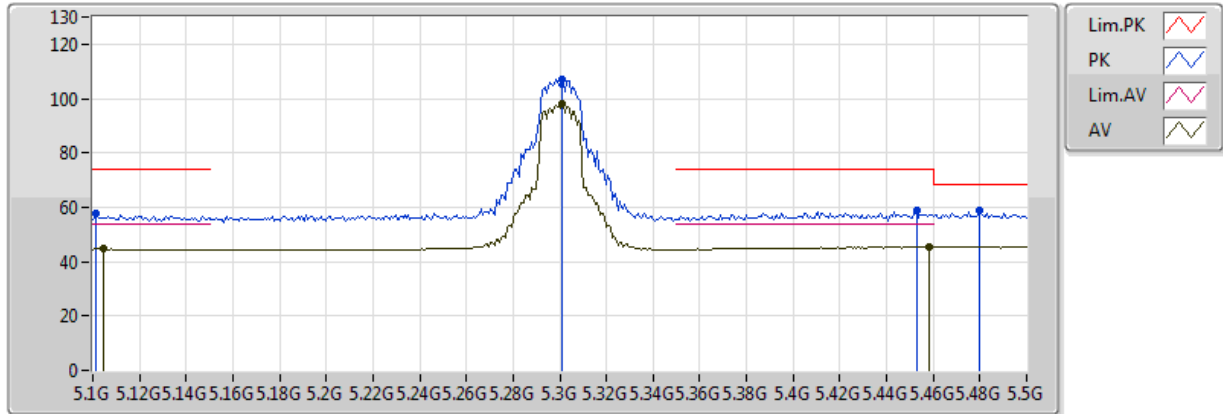
EUT Y_2 TX
Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78768G	59.31	74.00	-14.69	15.62	3	Horizontal	143	1.51	-
AV	15.78068G	44.29	54.00	-9.71	15.64	3	Horizontal	143	1.51	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

19/04/2018



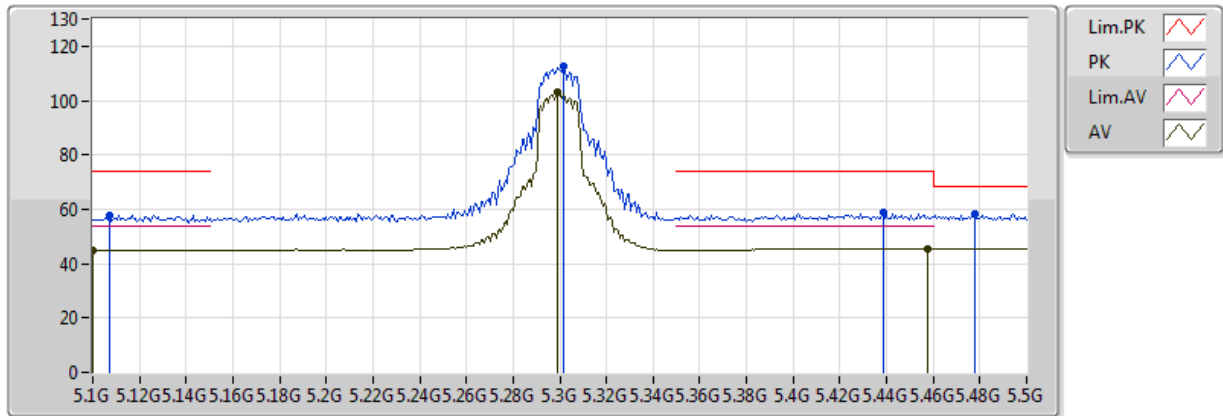
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1016G	57.93	74.00	-16.07	6.19	3	Vertical	139	1.96	-
AV	5.1048G	44.59	54.00	-9.41	6.19	3	Vertical	139	1.96	-
PK	5.3008G	107.12	Inf	-Inf	6.52	3	Vertical	139	1.96	-
AV	5.3008G	97.90	Inf	-Inf	6.52	3	Vertical	139	1.96	-
PK	5.4528G	59.09	74.00	-14.91	6.76	3	Vertical	139	1.96	-
AV	5.4584G	45.33	54.00	-8.67	6.76	3	Vertical	139	1.96	-
PK	5.48G	58.64	68.20	-9.56	6.80	3	Vertical	139	1.96	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

19/04/2018



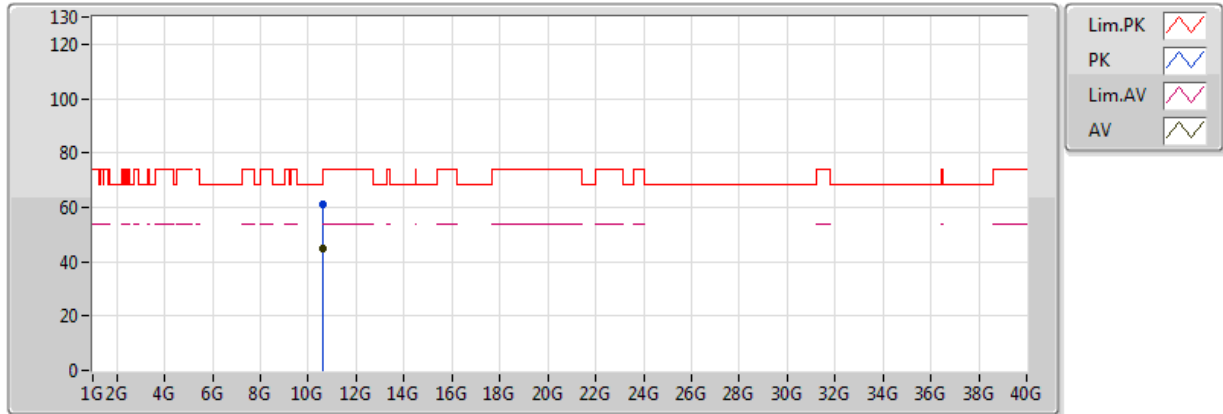
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1072G	57.92	74.00	-16.08	6.21	3	Horizontal	342	2.65	-
AV	5.1G	44.92	54.00	-9.08	6.19	3	Horizontal	342	2.65	-
PK	5.3016G	112.50	Inf	-Inf	6.52	3	Horizontal	342	2.65	-
AV	5.2992G	102.90	Inf	-Inf	6.52	3	Horizontal	342	2.65	-
PK	5.4384G	58.82	74.00	-15.18	6.73	3	Horizontal	342	2.65	-
AV	5.4576G	45.56	54.00	-8.44	6.76	3	Horizontal	342	2.65	-
PK	5.4776G	58.18	68.20	-10.02	6.80	3	Horizontal	342	2.65	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

19/04/2018



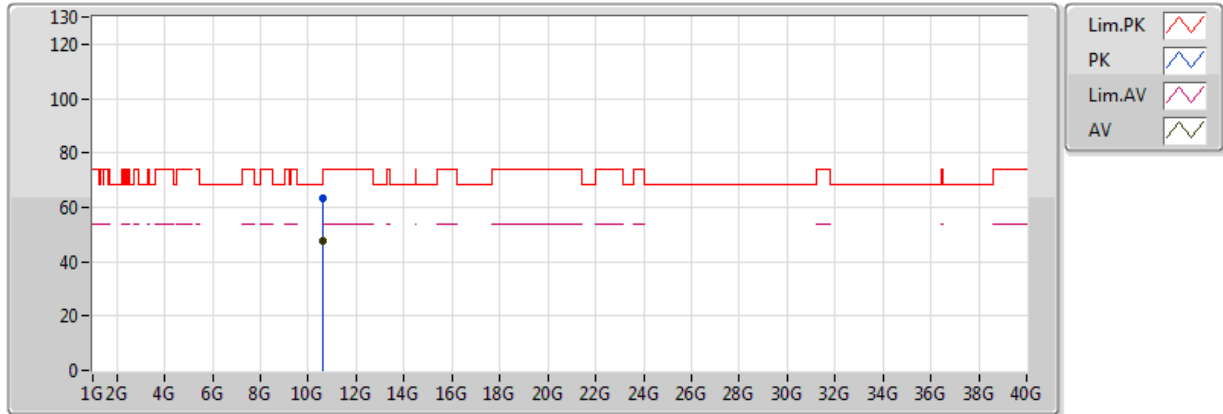
EUT Y_2 TX
Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60112G	60.87	74.00	-13.13	15.37	3	Vertical	47	1.45	-
AV	10.60128G	45.10	54.00	-8.90	15.37	3	Vertical	47	1.45	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

19/04/2018



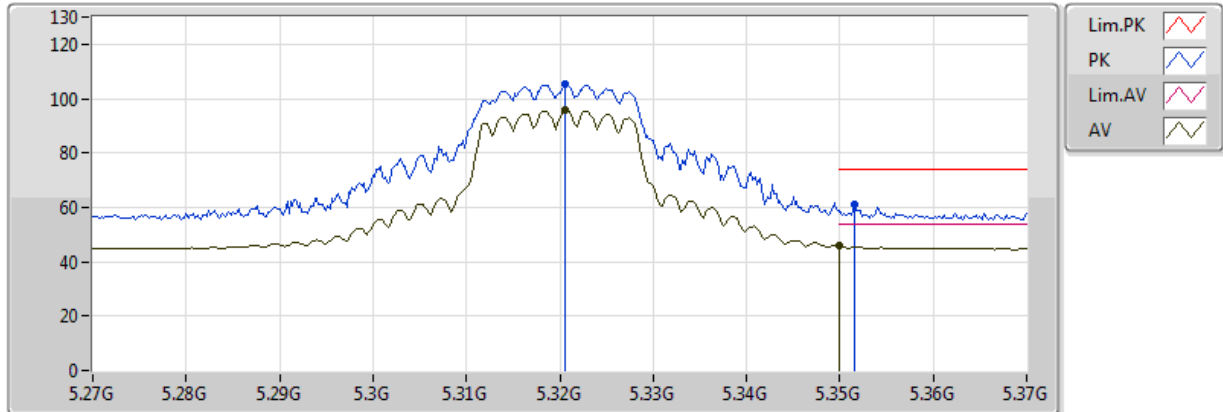
EUT Y_2 TX
Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.601 G	63.56	74.00	-10.44	15.37	3	Horizontal	78	1.50	-
AV	10.60124G	47.55	54.00	-6.45	15.37	3	Horizontal	78	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

19/04/2018



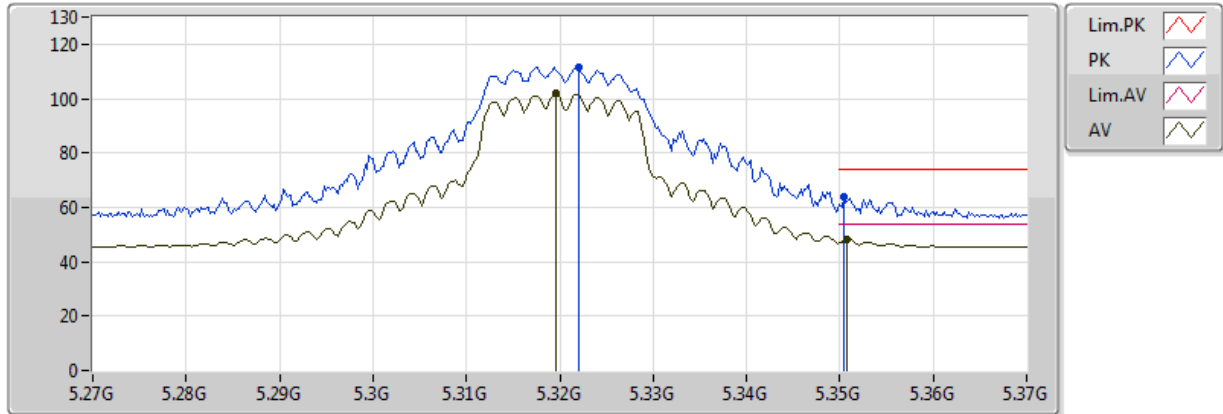
EUT Y_2 TX
Setting 21
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3206G	105.29	Inf	-Inf	6.55	3	Vertical	138	1.86	-
AV	5.3206G	95.91	Inf	-Inf	6.55	3	Vertical	138	1.86	-
PK	5.3516G	60.82	74.00	-13.18	6.60	3	Vertical	138	1.86	-
AV	5.350005G	45.99	54.00	-8.01	6.60	3	Vertical	138	1.86	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

19/04/2018



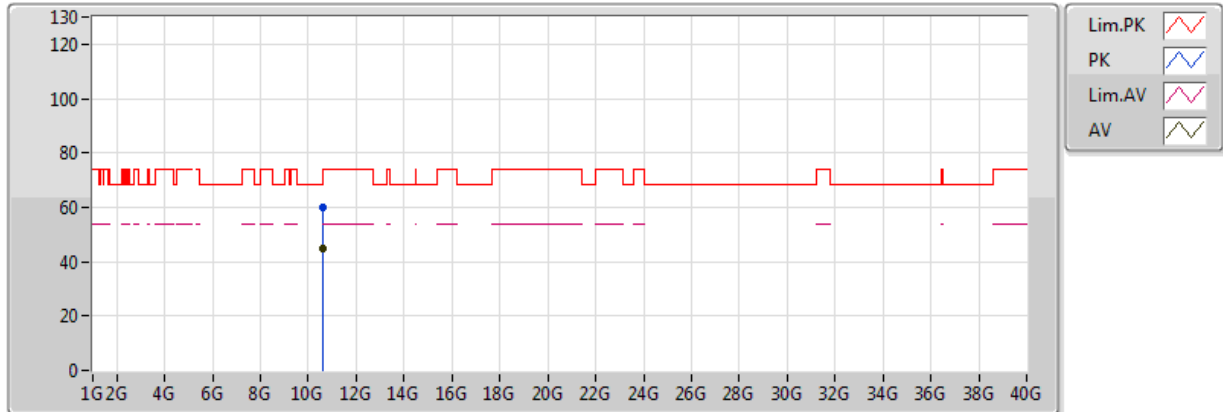
EUT Y_2 TX
Setting 21
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.322G	111.74	Inf	-Inf	6.55	3	Horizontal	344	1.50	-
AV	5.3196G	101.73	Inf	-Inf	6.55	3	Horizontal	344	1.50	-
PK	5.3504G	63.86	74.00	-10.14	6.60	3	Horizontal	344	1.50	-
AV	5.3508G	48.15	54.00	-5.85	6.60	3	Horizontal	344	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

19/04/2018



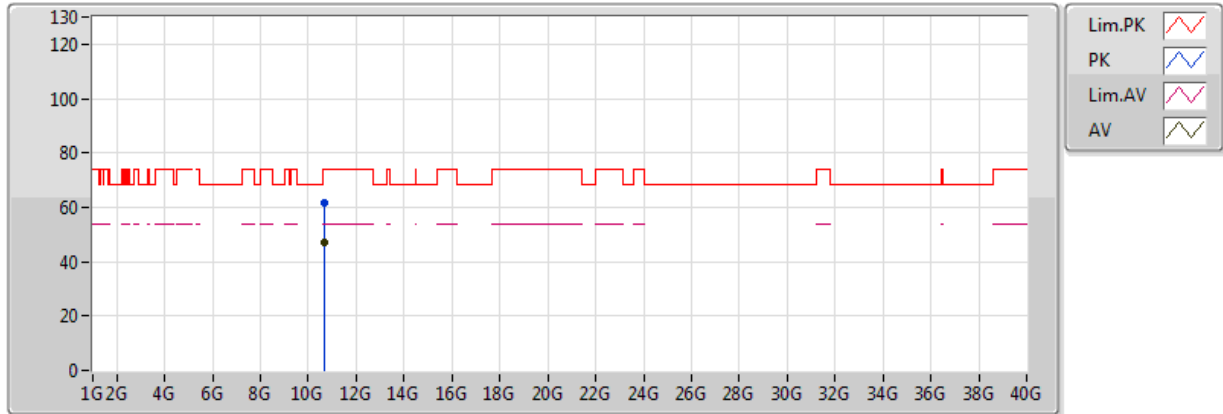
EUT Y_2 TX
Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.63552G	60.04	74.00	-13.96	15.40	3	Vertical	84	1.50	-
AV	10.63172G	44.62	54.00	-9.38	15.40	3	Vertical	84	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

19/04/2018



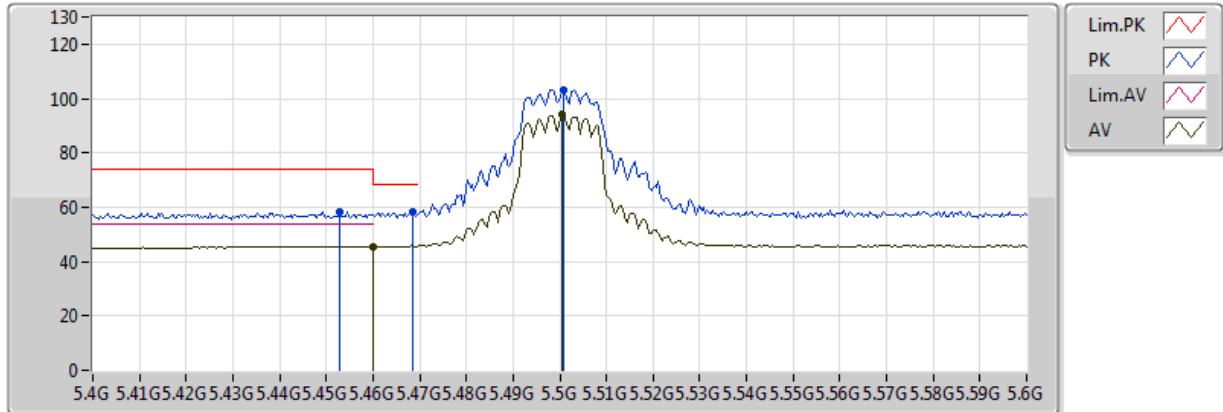
EUT Y_2 TX
Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6398G	61.71	74.00	-12.29	15.40	3	Horizontal	115	1.50	-
AV	10.63984G	46.96	54.00	-7.04	15.40	3	Horizontal	115	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

19/04/2018



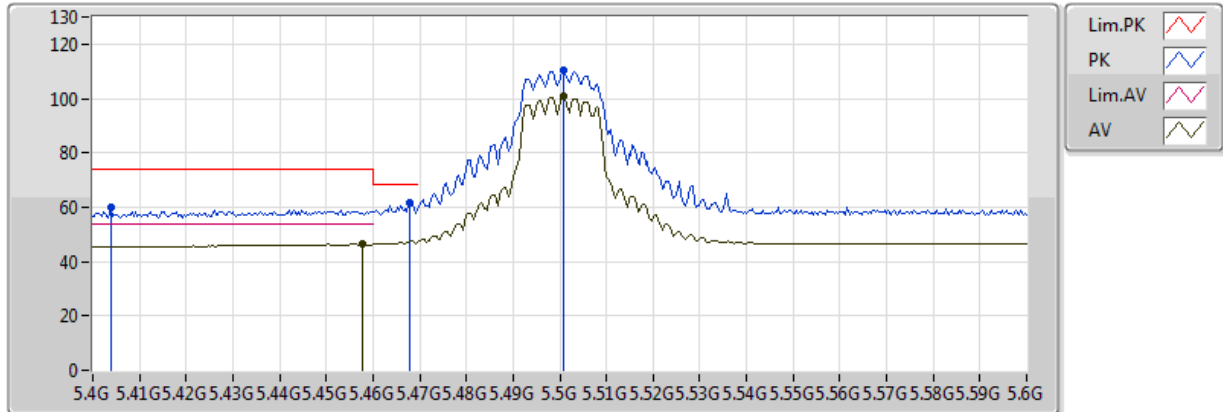
EUT Y_2 TX
Setting 21
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4528G	58.36	74.00	-15.64	6.76	3	Vertical	332	1.50	-
AV	5.459995G	45.36	54.00	-8.64	6.77	3	Vertical	332	1.50	-
PK	5.4684G	58.26	68.20	-9.94	6.79	3	Vertical	332	1.50	-
PK	5.5008G	103.16	Inf	-Inf	6.84	3	Vertical	332	1.50	-
AV	5.5004G	93.95	Inf	-Inf	6.84	3	Vertical	332	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

19/04/2018



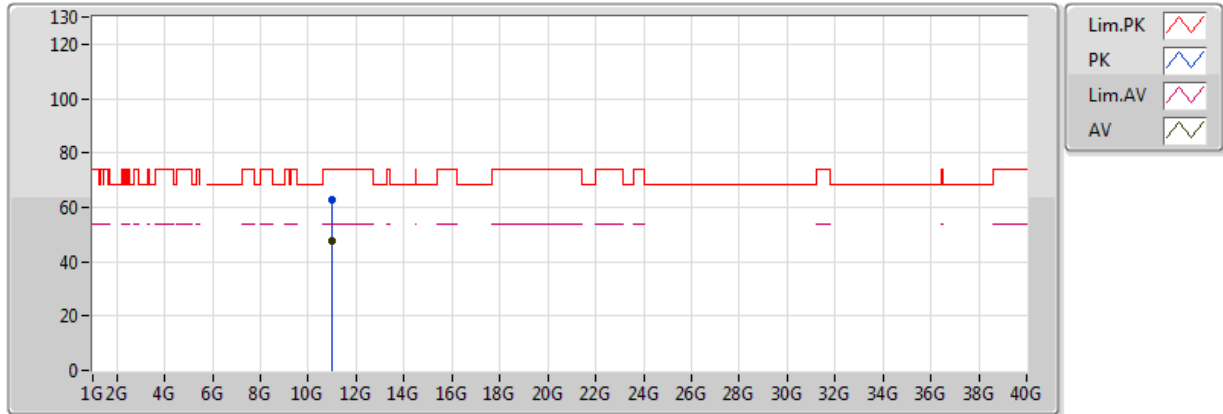
EUT Y_2 TX
Setting 21
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.404G	60.01	74.00	-13.99	6.67	3	Horizontal	338	1.56	-
AV	5.4576G	46.37	54.00	-7.63	6.76	3	Horizontal	338	1.56	-
PK	5.468G	61.41	68.20	-6.79	6.78	3	Horizontal	338	1.56	-
PK	5.5008G	110.31	Inf	-Inf	6.84	3	Horizontal	338	1.56	-
AV	5.5008G	100.70	Inf	-Inf	6.84	3	Horizontal	338	1.56	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

19/04/2018



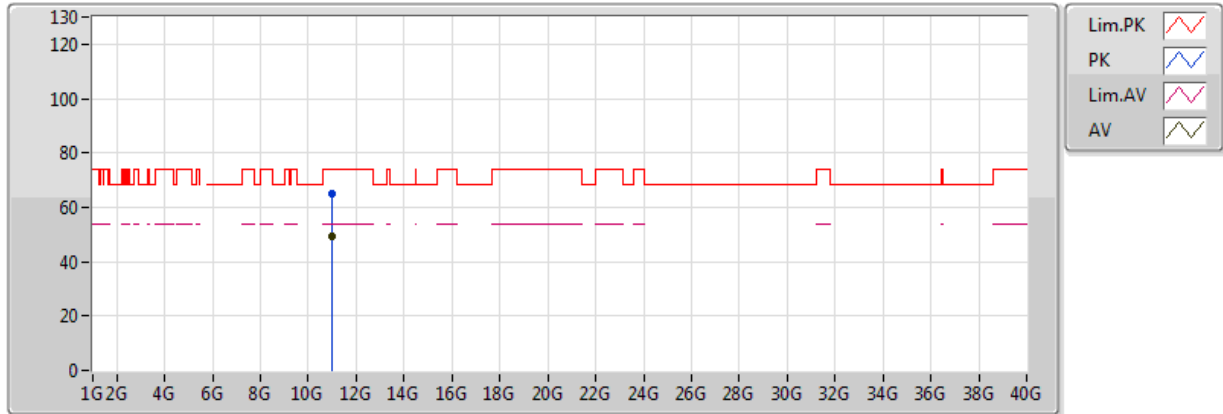
EUT Y_2 TX
Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99468G	62.66	74.00	-11.34	15.71	3	Vertical	187	1.50	-
AV	10.99868G	47.43	54.00	-6.57	15.71	3	Vertical	187	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

19/04/2018



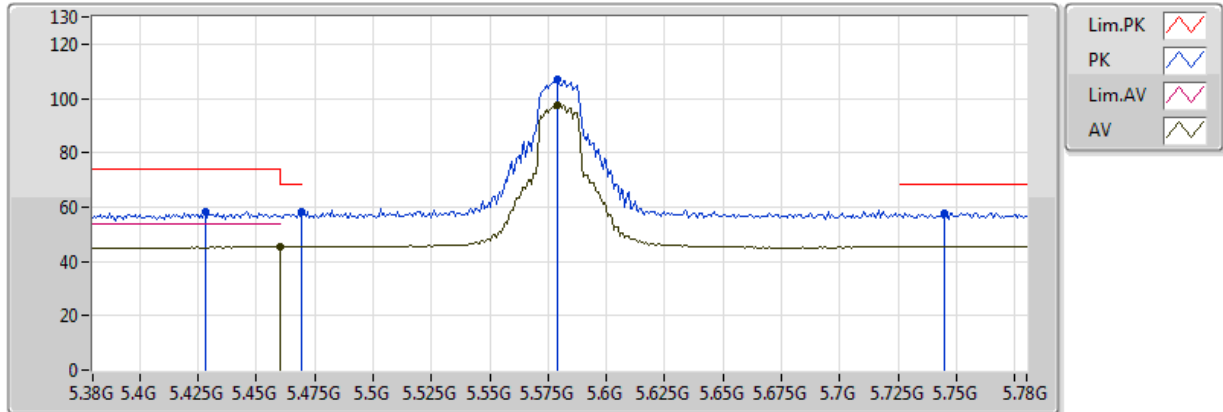
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Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00216G	64.74	74.00	-9.26	15.71	3	Horizontal	110	1.45	-
AV	10.99832G	49.16	54.00	-4.84	15.71	3	Horizontal	110	1.45	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

19/04/2018



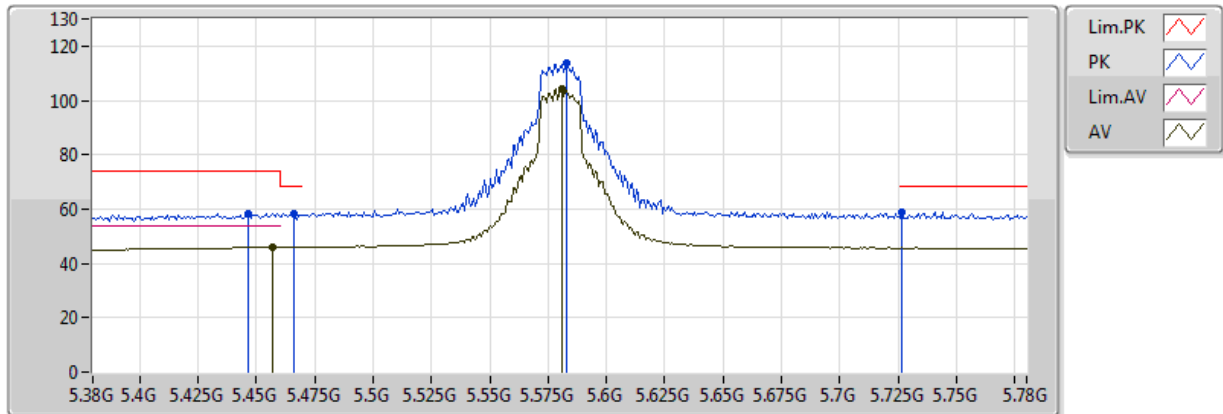
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.428G	58.44	74.00	-15.56	6.71	3	Vertical	146	1.99	-
AV	5.459995G	45.32	54.00	-8.68	6.77	3	Vertical	146	1.99	-
PK	5.4696G	58.51	68.20	-9.69	6.79	3	Vertical	146	1.99	-
PK	5.5792G	106.79	Inf	-Inf	6.96	3	Vertical	146	1.99	-
AV	5.5792G	97.68	Inf	-Inf	6.96	3	Vertical	146	1.99	-
PK	5.7448G	57.79	68.20	-10.41	7.25	3	Vertical	146	1.99	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

19/04/2018



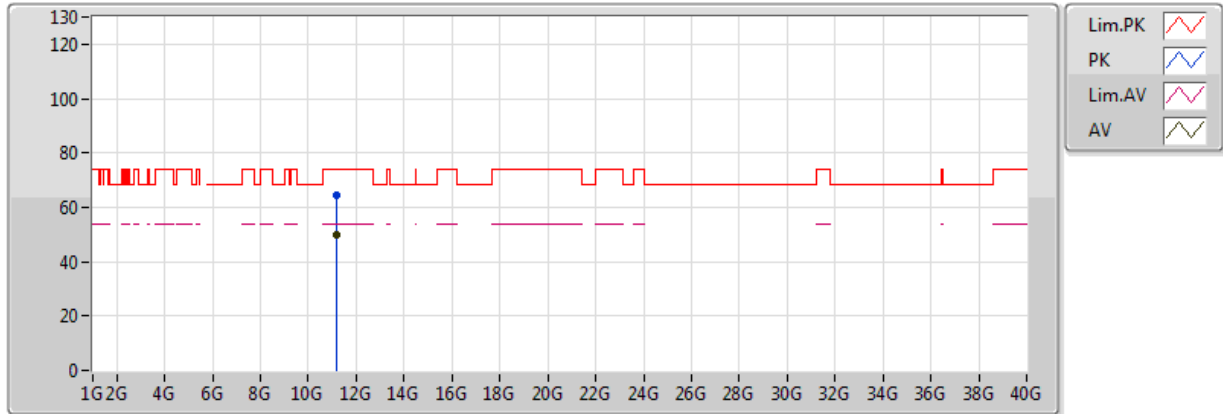
EUT Y_2 TX
Setting 22
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4464G	58.53	74.00	-15.47	6.74	3	Horizontal	343	1.70	-
AV	5.4568G	45.97	54.00	-8.03	6.76	3	Horizontal	343	1.70	-
PK	5.4664G	58.06	68.20	-10.14	6.78	3	Horizontal	343	1.70	-
PK	5.5832G	113.92	Inf	-Inf	6.97	3	Horizontal	343	1.70	-
AV	5.5808G	104.21	Inf	-Inf	6.97	3	Horizontal	343	1.70	-
PK	5.7264G	58.73	68.20	-9.47	7.22	3	Horizontal	343	1.70	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

19/04/2018



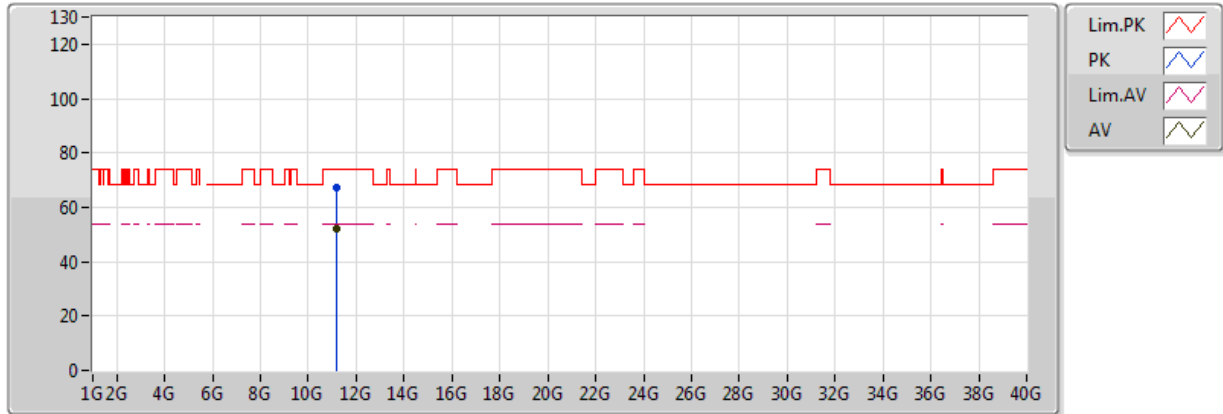
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Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15888G	64.65	74.00	-9.35	15.54	3	Vertical	184	1.50	-
AV	11.15892G	50.04	54.00	-3.96	15.54	3	Vertical	184	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

19/04/2018



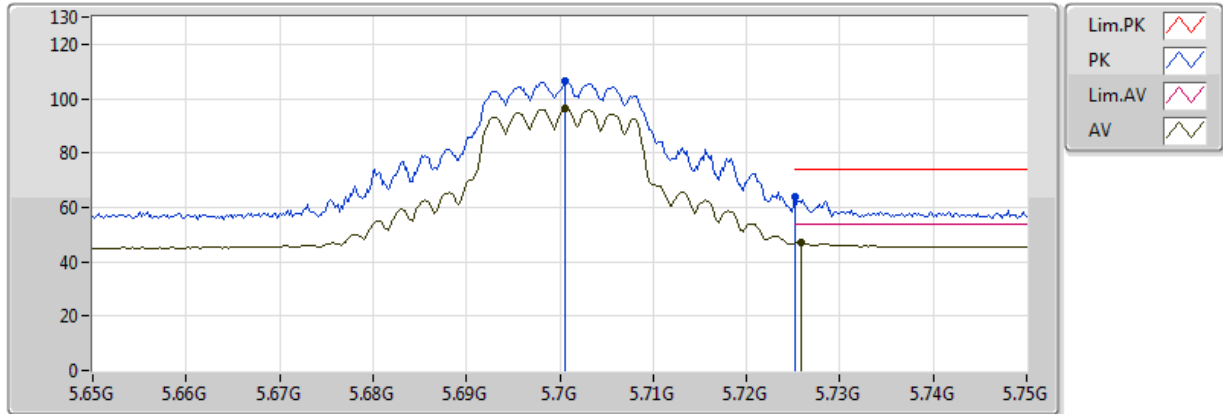
EUT Y_2 TX
Setting 22
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.16104G	67.12	74.00	-6.88	15.54	3	Horizontal	87	1.50	-
AV	11.16072G	52.30	54.00	-1.70	15.54	3	Horizontal	87	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

19/04/2018



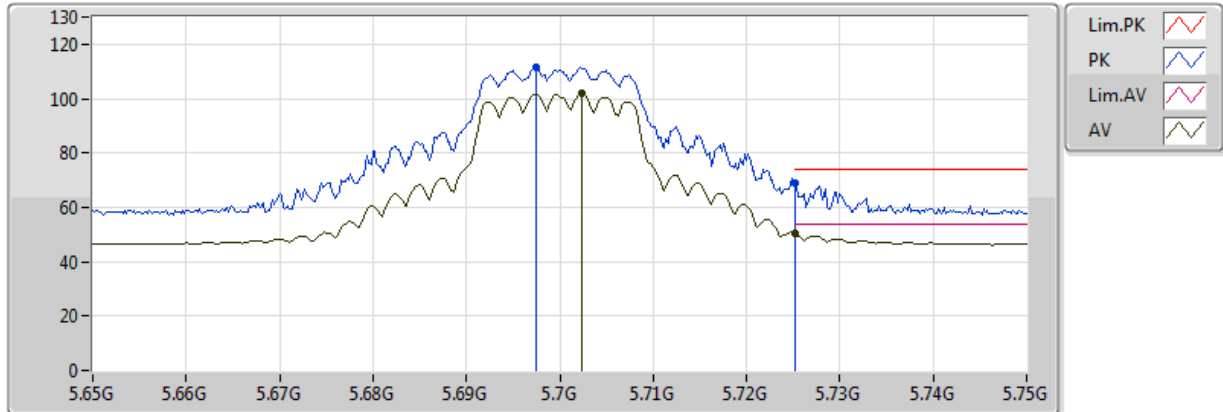
EUT Y_2 TX
Setting 1E
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7006G	106.37	Inf	-Inf	7.17	3	Vertical	152	2.97	-
AV	5.7006G	96.32	Inf	-Inf	7.17	3	Vertical	152	2.97	-
PK	5.7252G	63.82	74.00	-10.18	7.22	3	Vertical	152	2.97	-
AV	5.7258G	47.25	54.00	-6.75	7.22	3	Vertical	152	2.97	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

19/04/2018



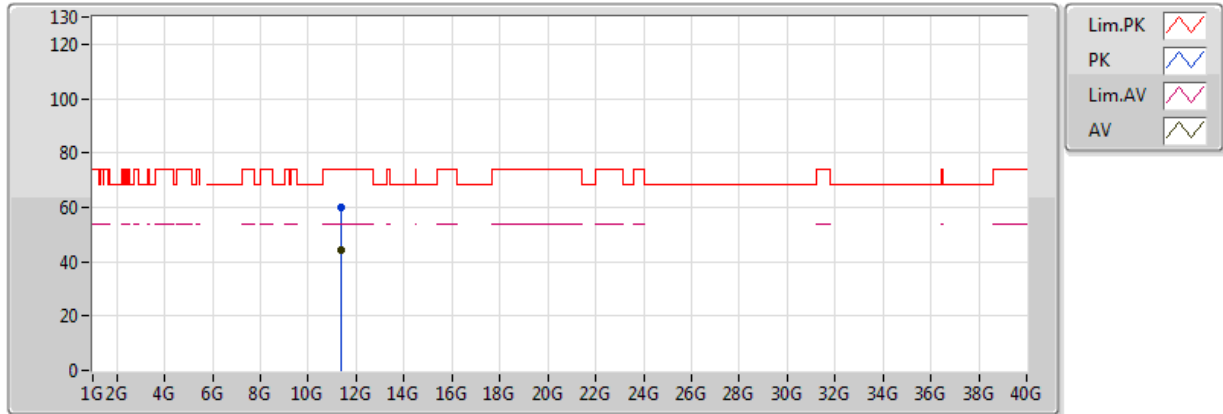
EUT Y_2 TX
Setting 1E
02-L-3-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6974G	111.50	Inf	-Inf	7.17	3	Horizontal	334	1.64	-
AV	5.7024G	101.81	Inf	-Inf	7.17	3	Horizontal	334	1.64	-
PK	5.7252G	68.80	74.00	-5.20	7.22	3	Horizontal	334	1.64	-
AV	5.7252G	50.56	54.00	-3.44	7.22	3	Horizontal	334	1.64	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

19/04/2018



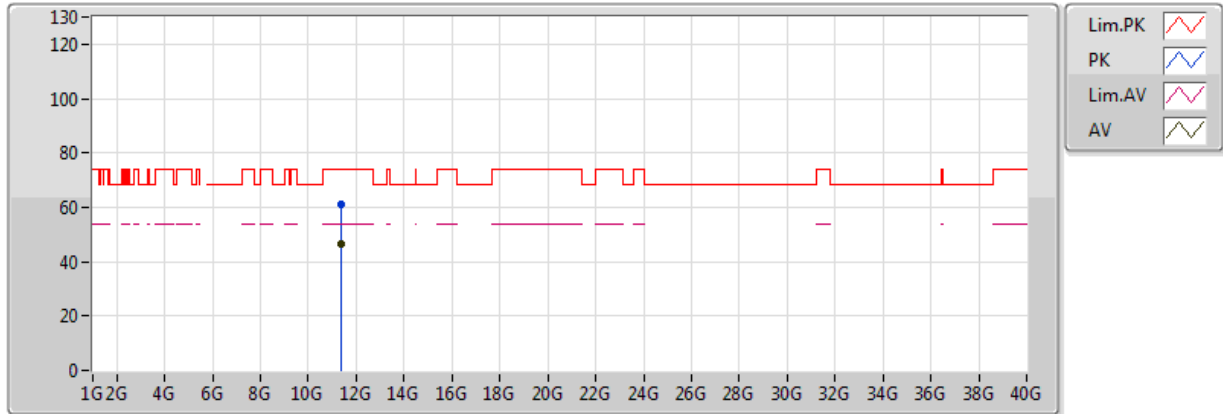
EUT Y_2 TX
Setting 1E
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.3996G	59.72	74.00	-14.28	15.28	3	Vertical	80	1.36	-
AV	11.39964G	44.39	54.00	-9.61	15.28	3	Vertical	80	1.36	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

19/04/2018



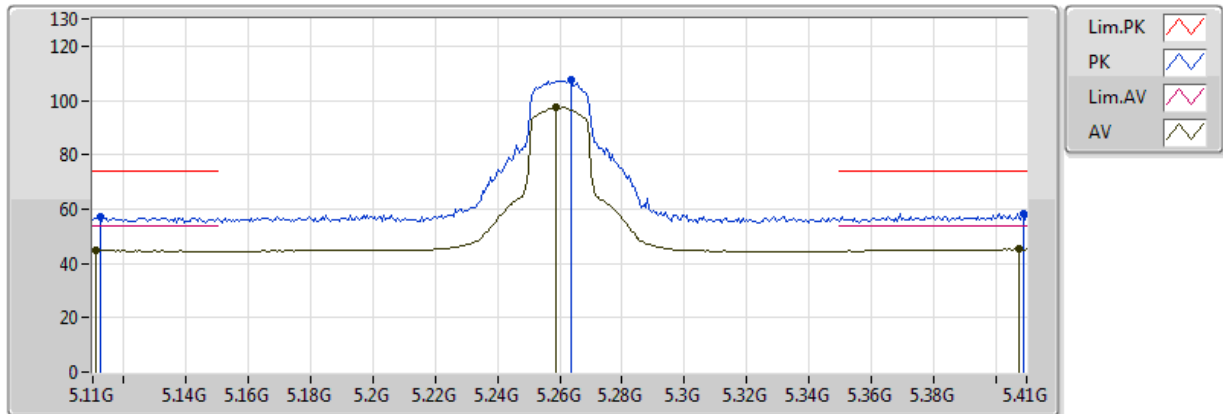
EUT Y_2 TX
Setting 1E
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39924G	61.25	74.00	-12.75	15.28	3	Horizontal	106	1.49	-
AV	11.39972G	46.71	54.00	-7.29	15.28	3	Horizontal	106	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

19/04/2018



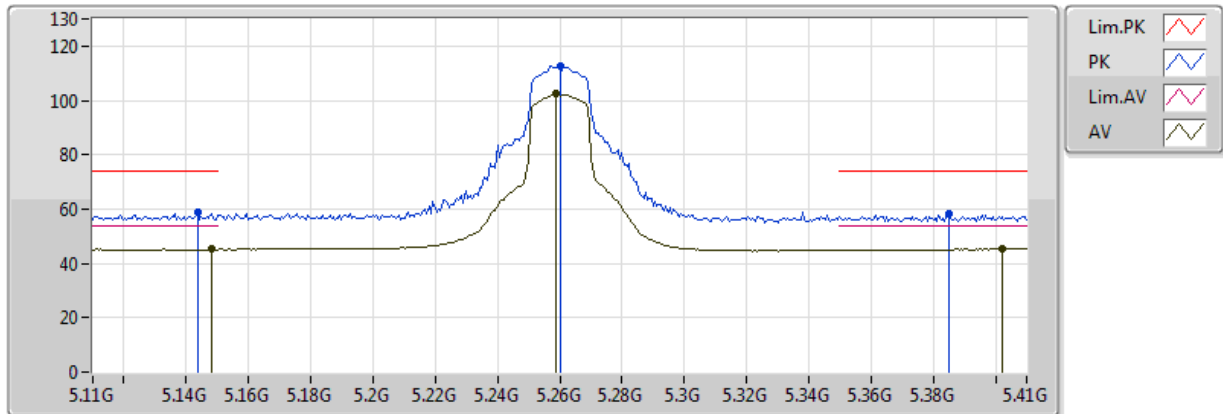
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1124G	56.97	74.00	-17.03	6.21	3	Vertical	308	1.06	-
AV	5.1112G	44.73	54.00	-9.27	6.21	3	Vertical	308	1.06	-
PK	5.2636G	107.46	Inf	-Inf	6.46	3	Vertical	308	1.06	-
AV	5.2588G	97.61	Inf	-Inf	6.46	3	Vertical	308	1.06	-
PK	5.4088G	58.27	74.00	-15.73	6.68	3	Vertical	308	1.06	-
AV	5.4076G	45.22	54.00	-8.78	6.68	3	Vertical	308	1.06	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

19/04/2018



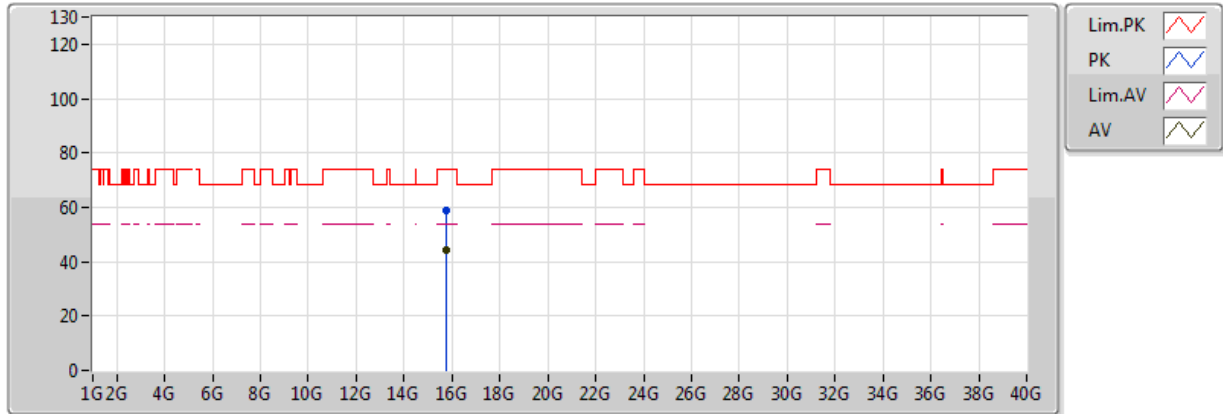
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1436G	58.69	74.00	-15.31	6.27	3	Horizontal	350	1.50	-
AV	5.1484G	45.15	54.00	-8.85	6.27	3	Horizontal	350	1.50	-
PK	5.26G	112.90	Inf	-Inf	6.46	3	Horizontal	350	1.50	-
AV	5.2588G	102.44	Inf	-Inf	6.46	3	Horizontal	350	1.50	-
PK	5.3848G	58.08	74.00	-15.92	6.65	3	Horizontal	350	1.50	-
AV	5.4022G	45.27	54.00	-8.73	6.67	3	Horizontal	350	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

19/04/2018



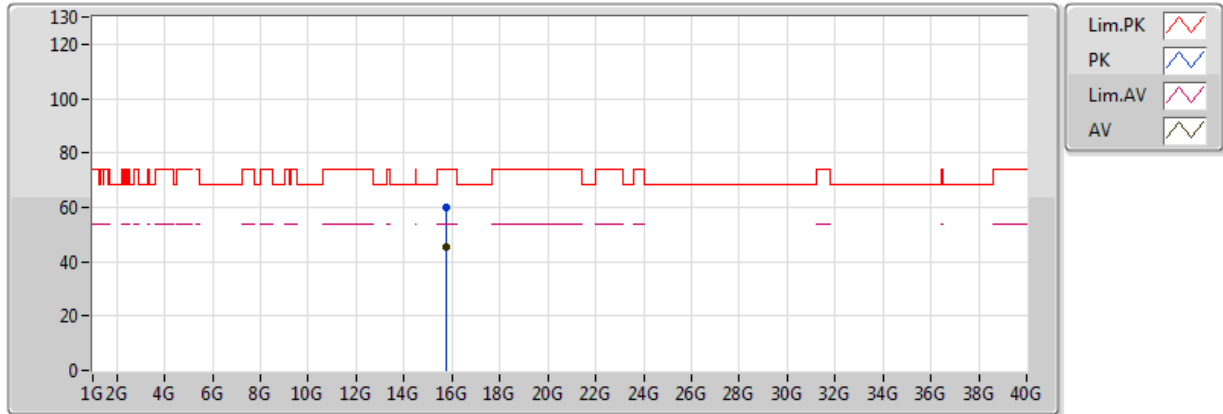
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.77664G	58.56	74.00	-15.44	15.65	3	Vertical	103	1.50	-
AV	15.78392G	44.53	54.00	-9.47	15.63	3	Vertical	103	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

19/04/2018



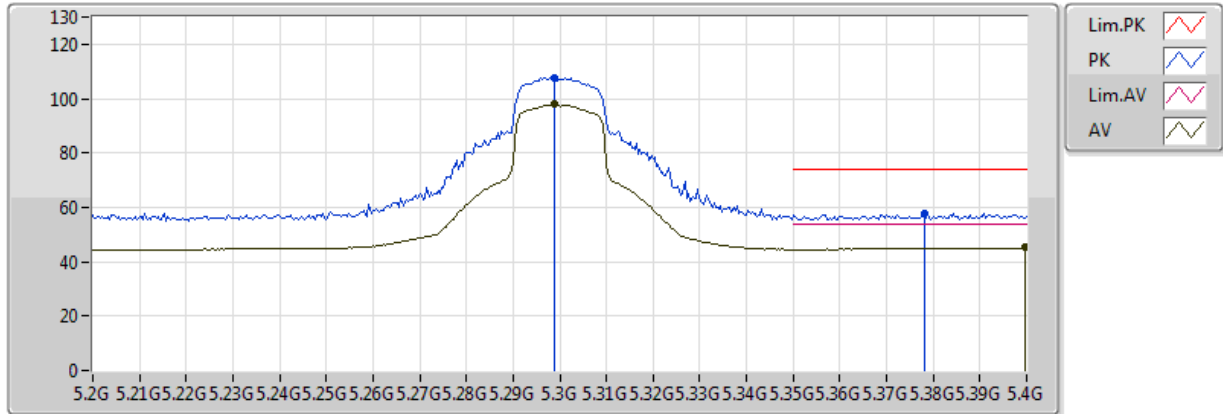
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Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78072G	59.92	74.00	-14.08	15.64	3	Horizontal	137	1.48	-
AV	15.78024G	45.55	54.00	-8.45	15.64	3	Horizontal	137	1.48	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

19/04/2018



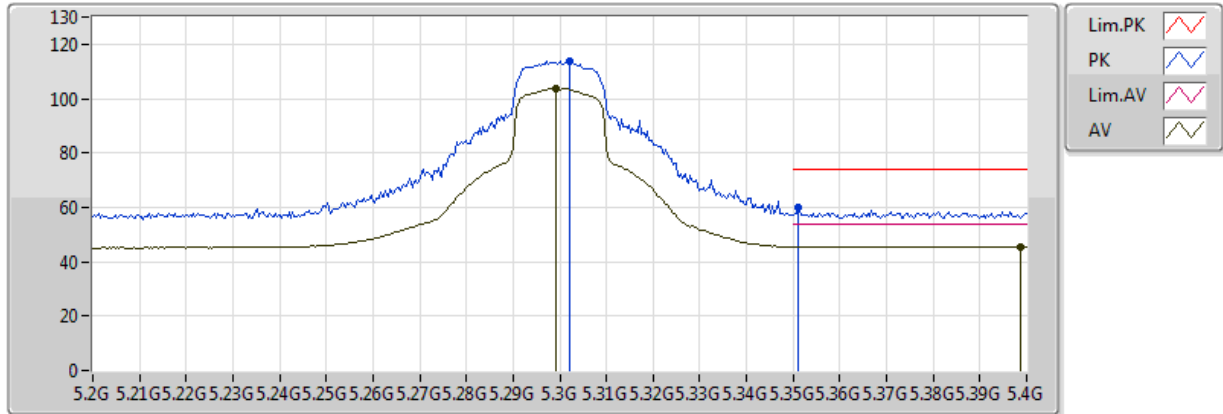
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2988G	107.81	Inf	-Inf	6.52	3	Vertical	52	2.69	-
AV	5.2988G	97.92	Inf	-Inf	6.52	3	Vertical	52	2.69	-
PK	5.378G	57.85	74.00	-16.15	6.64	3	Vertical	52	2.69	-
AV	5.3996G	45.12	54.00	-8.88	6.67	3	Vertical	52	2.69	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

19/04/2018



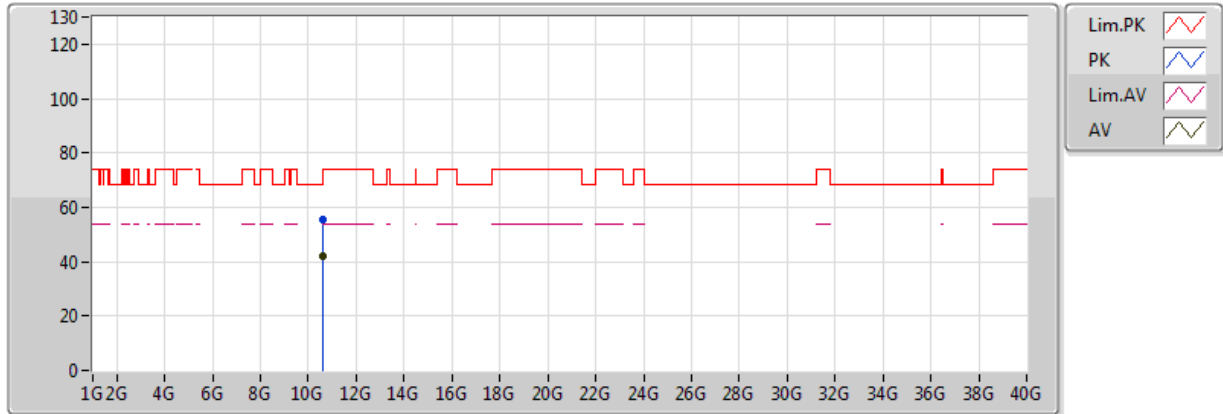
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.302G	113.77	Inf	-Inf	6.52	3	Horizontal	325	1.50	-
AV	5.2992G	103.81	Inf	-Inf	6.52	3	Horizontal	325	1.50	-
PK	5.3512G	60.09	74.00	-13.91	6.60	3	Horizontal	325	1.50	-
AV	5.3988G	45.54	54.00	-8.46	6.67	3	Horizontal	325	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

19/04/2018



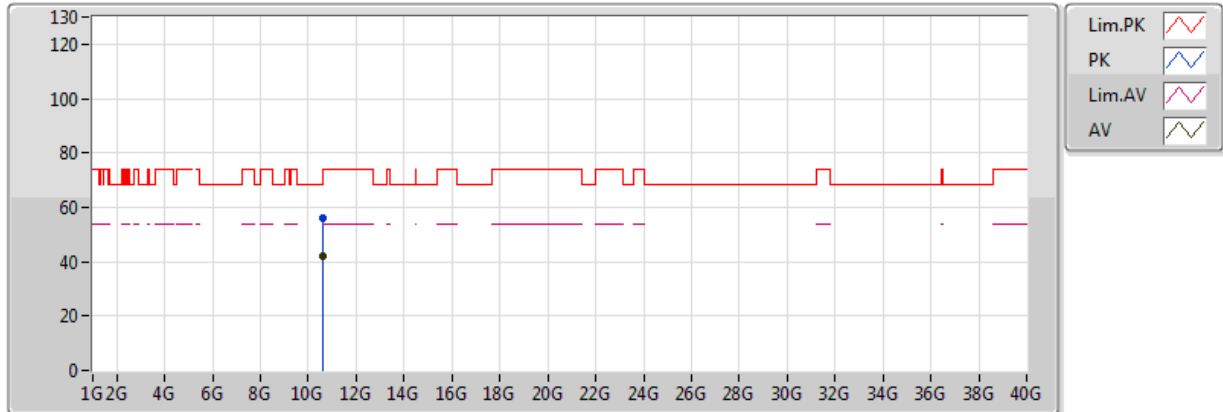
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60548G	55.61	74.00	-18.39	15.38	3	Vertical	342	2.31	-
AV	10.6046G	41.80	54.00	-12.20	15.37	3	Vertical	342	2.31	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

19/04/2018



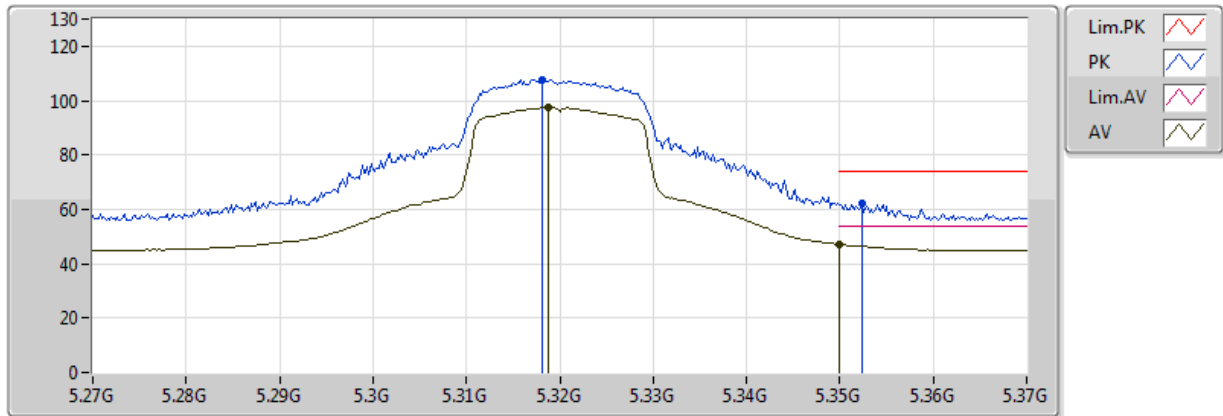
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60316G	55.88	74.00	-18.12	15.37	3	Horizontal	65	1.74	-
AV	10.60404G	41.78	54.00	-12.22	15.37	3	Horizontal	65	1.74	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

19/04/2018



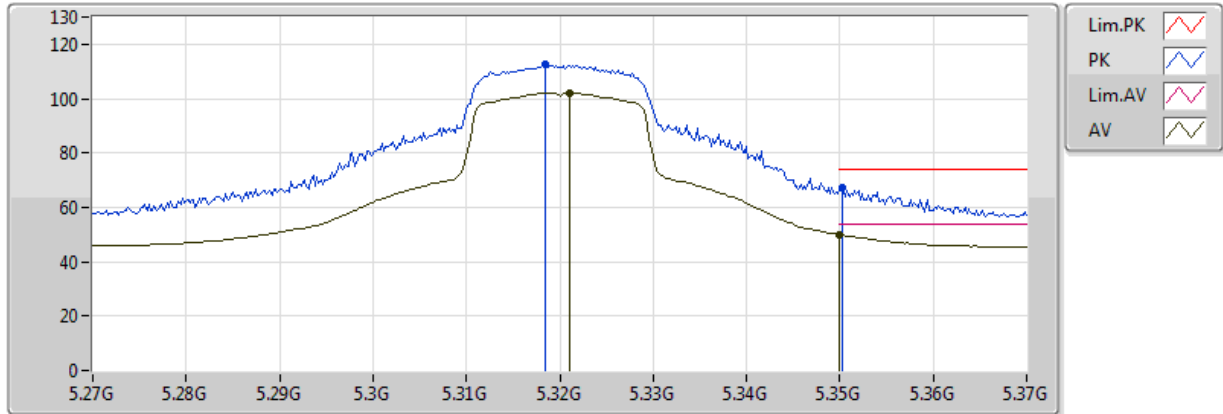
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3182G	107.59	Inf	-Inf	6.55	3	Vertical	48	2.79	-
AV	5.3188G	97.50	Inf	-Inf	6.55	3	Vertical	48	2.79	-
PK	5.3524G	62.01	74.00	-11.99	6.60	3	Vertical	48	2.79	-
AV	5.350005G	47.06	54.00	-6.94	6.60	3	Vertical	48	2.79	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

19/04/2018



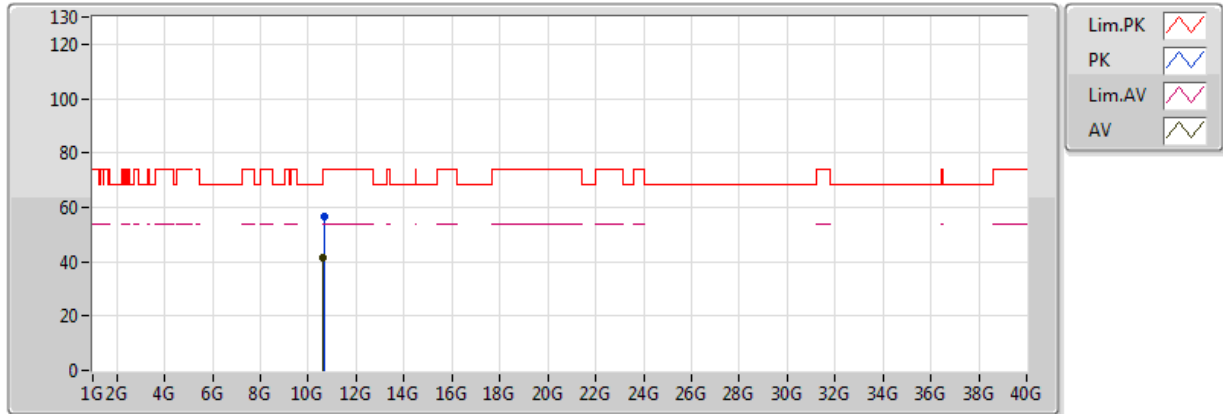
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3184G	112.50	Inf	-Inf	6.55	3	Horizontal	322	1.50	-
AV	5.321G	102.17	Inf	-Inf	6.55	3	Horizontal	322	1.50	-
PK	5.3502G	66.99	74.00	-7.01	6.60	3	Horizontal	322	1.50	-
AV	5.350005G	49.91	54.00	-4.09	6.60	3	Horizontal	322	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

19/04/2018



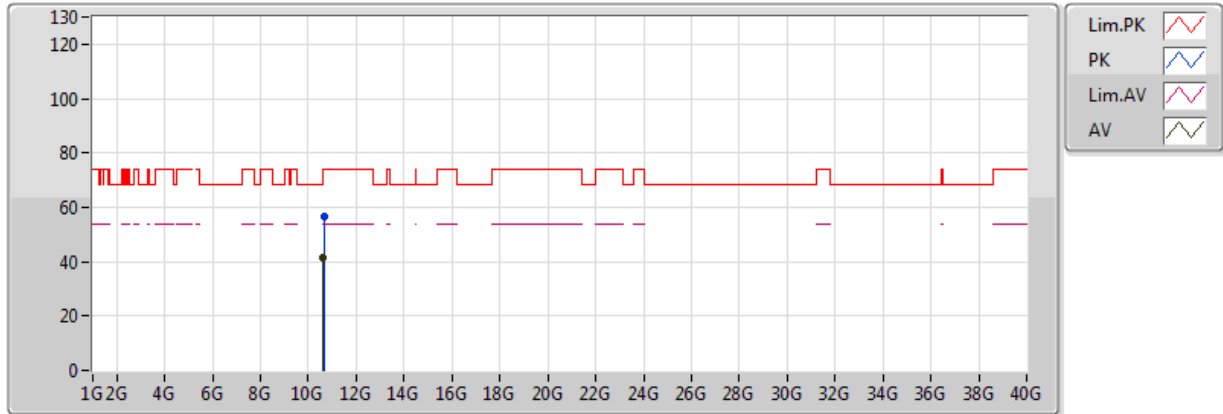
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.64464G	56.36	74.00	-17.64	15.41	3	Vertical	166	1.30	-
AV	10.6322G	41.73	54.00	-12.27	15.40	3	Vertical	166	1.30	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

19/04/2018



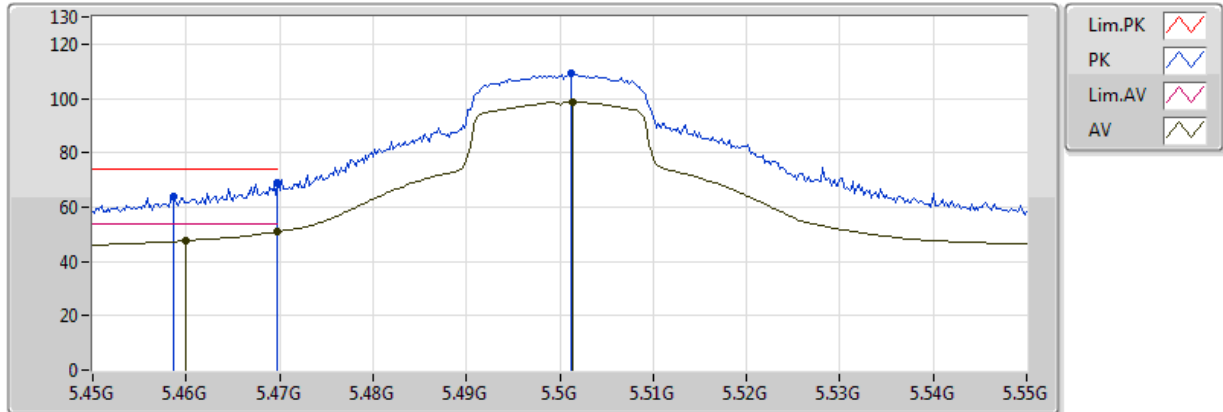
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.64164G	56.50	74.00	-17.50	15.41	3	Horizontal	207	2.26	-
AV	10.63392G	41.71	54.00	-12.29	15.40	3	Horizontal	207	2.26	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

19/04/2018



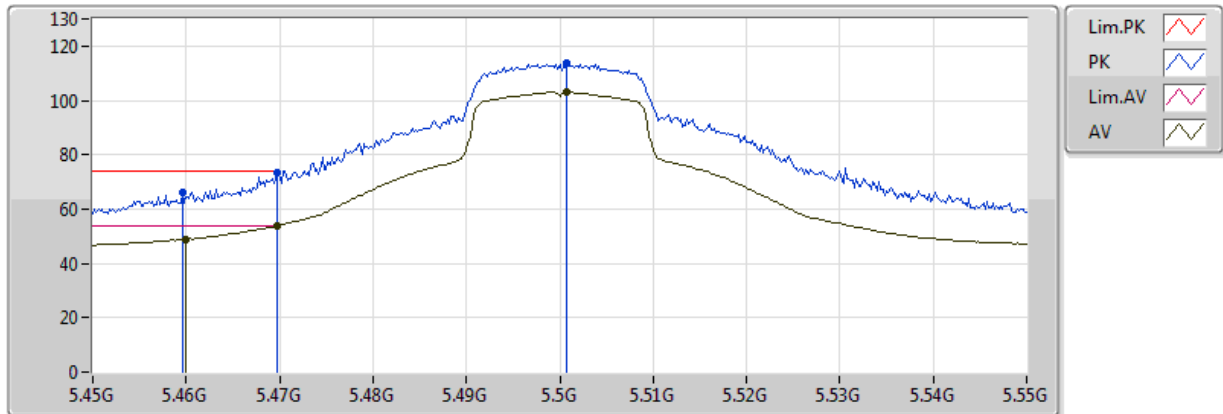
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4586G	63.99	74.00	-10.01	6.76	3	Vertical	68	2.54	-
AV	5.459995G	47.82	54.00	-6.18	6.77	3	Vertical	68	2.54	-
PK	5.4698G	68.90	74.00	-5.10	6.79	3	Vertical	68	2.54	-
AV	5.4698G	50.95	54.00	-3.05	6.79	3	Vertical	68	2.54	-
PK	5.5012G	109.11	Inf	-Inf	6.84	3	Vertical	68	2.54	-
AV	5.5014G	98.76	Inf	-Inf	6.84	3	Vertical	68	2.54	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

19/04/2018



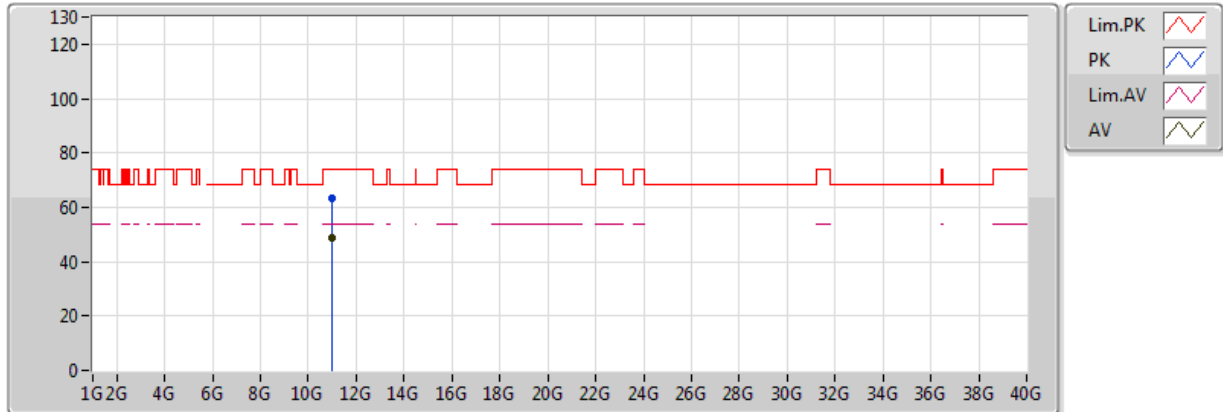
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4596G	65.98	74.00	-8.02	6.77	3	Horizontal	311	1.67	-
AV	5.459995G	48.92	54.00	-5.08	6.77	3	Horizontal	311	1.67	-
PK	5.4698G	73.64	74.00	-0.36	6.79	3	Horizontal	311	1.67	-
AV	5.4698G	53.98	54.00	-0.02	6.79	3	Horizontal	311	1.67	-
PK	5.5008G	113.49	Inf	-Inf	6.84	3	Horizontal	311	1.67	-
AV	5.5008G	102.95	Inf	-Inf	6.84	3	Horizontal	311	1.67	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

19/04/2018



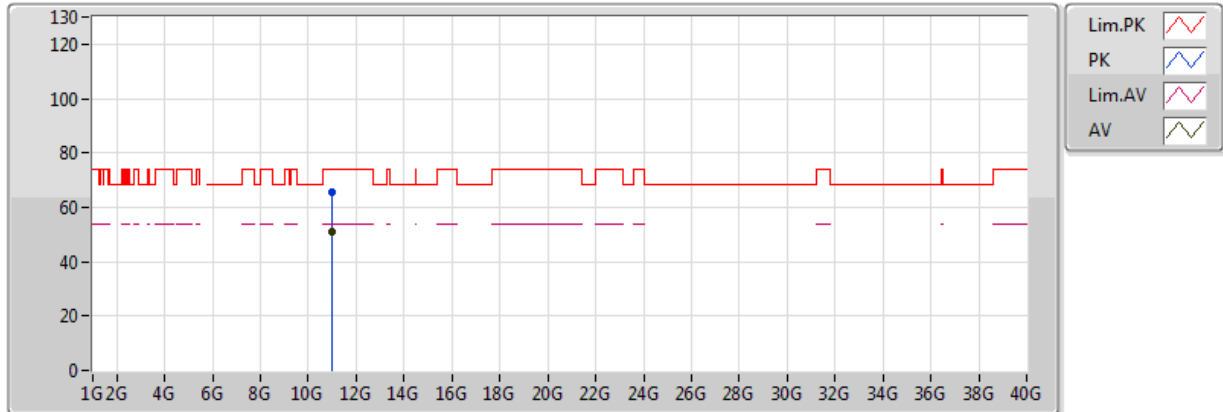
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99644G	63.59	74.00	-10.41	15.71	3	Vertical	181	1.50	-
AV	10.99992G	48.71	54.00	-5.29	15.71	3	Vertical	181	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

19/04/2018



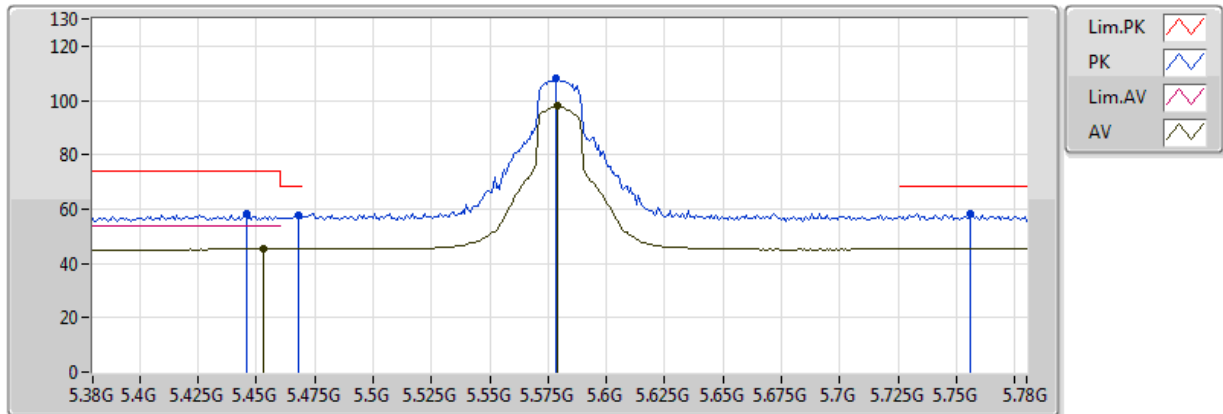
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.99796G	65.70	74.00	-8.30	15.71	3	Horizontal	98	1.50	-
AV	11.0012G	50.81	54.00	-3.19	15.71	3	Horizontal	98	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

19/04/2018



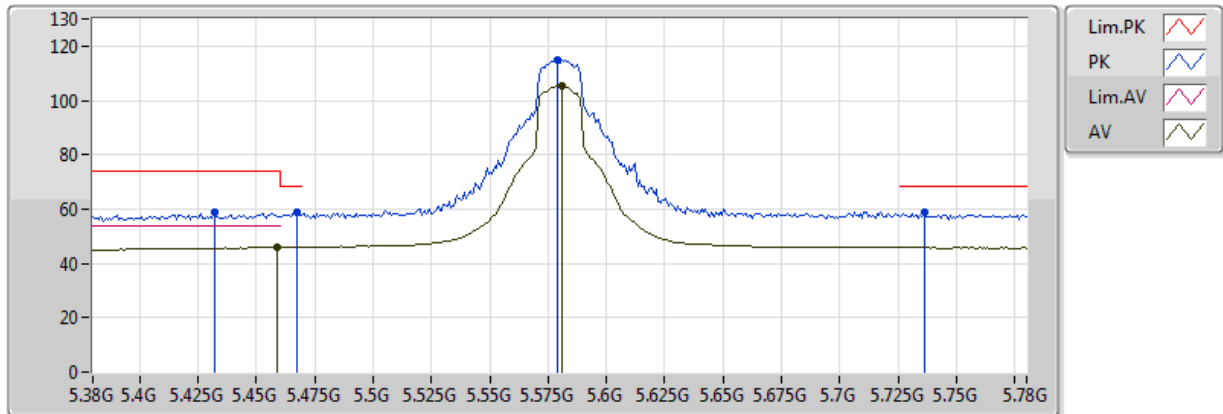
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4456G	58.25	74.00	-15.75	6.74	3	Vertical	272	1.78	-
AV	5.4528G	45.43	54.00	-8.57	6.76	3	Vertical	272	1.78	-
PK	5.468G	57.76	68.20	-10.44	6.78	3	Vertical	272	1.78	-
PK	5.5784G	108.22	Inf	-Inf	6.96	3	Vertical	272	1.78	-
AV	5.5792G	98.02	Inf	-Inf	6.96	3	Vertical	272	1.78	-
PK	5.756G	58.35	68.20	-9.85	7.27	3	Vertical	272	1.78	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

19/04/2018



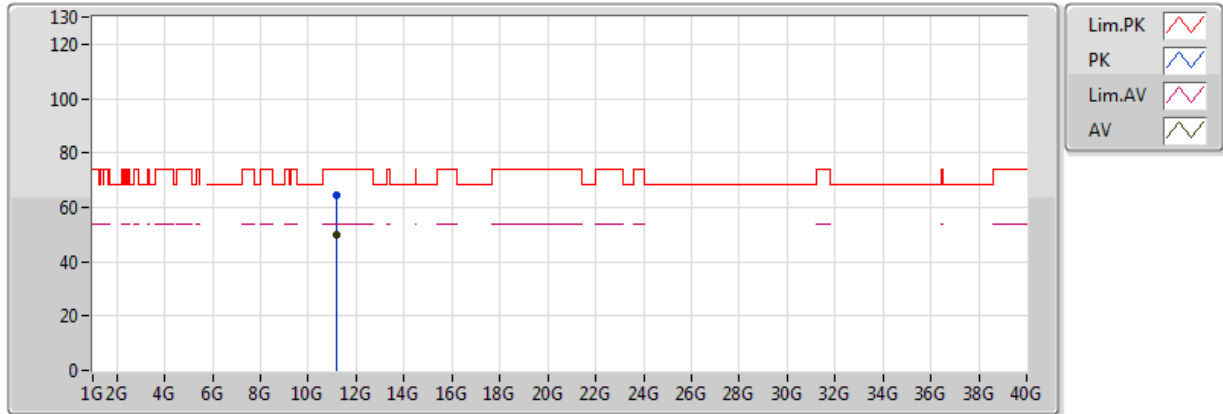
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.432G	58.82	74.00	-15.18	6.73	3	Horizontal	289	1.89	-
AV	5.4592G	45.99	54.00	-8.01	6.77	3	Horizontal	289	1.89	-
PK	5.4672G	58.80	68.20	-9.40	6.78	3	Horizontal	289	1.89	-
PK	5.5792G	114.90	Inf	-Inf	6.96	3	Horizontal	289	1.89	-
AV	5.5808G	105.27	Inf	-Inf	6.97	3	Horizontal	289	1.89	-
PK	5.736G	59.02	68.20	-9.18	7.24	3	Horizontal	289	1.89	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

19/04/2018



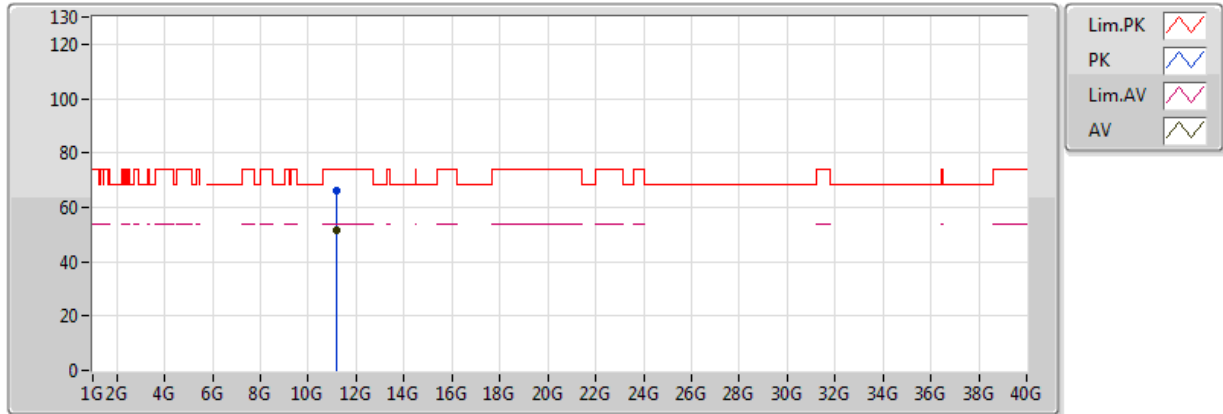
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.16196G	64.61	74.00	-9.39	15.54	3	Vertical	176	1.50	-
AV	11.15872G	49.77	54.00	-4.23	15.54	3	Vertical	176	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

19/04/2018



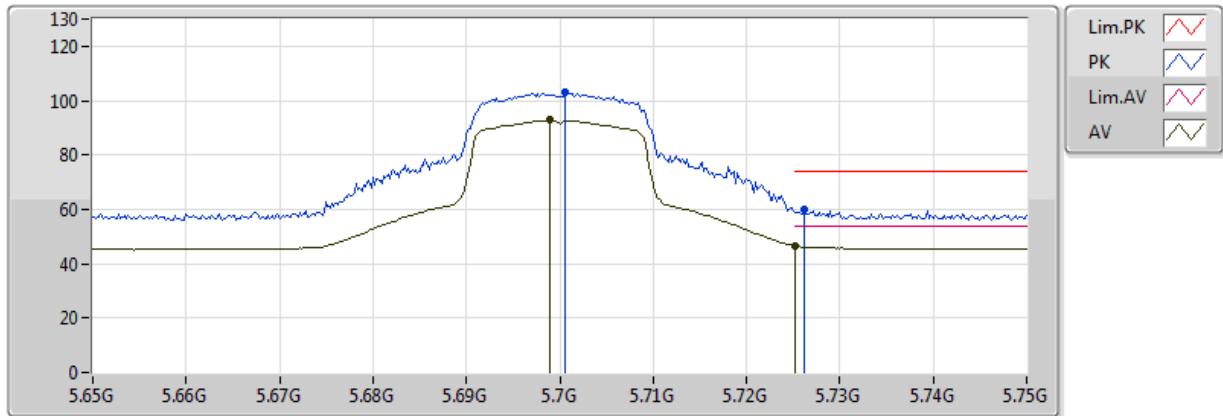
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15996G	66.34	74.00	-7.66	15.54	3	Horizontal	95	1.61	-
AV	11.16136G	51.65	54.00	-2.35	15.54	3	Horizontal	95	1.61	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

19/04/2018



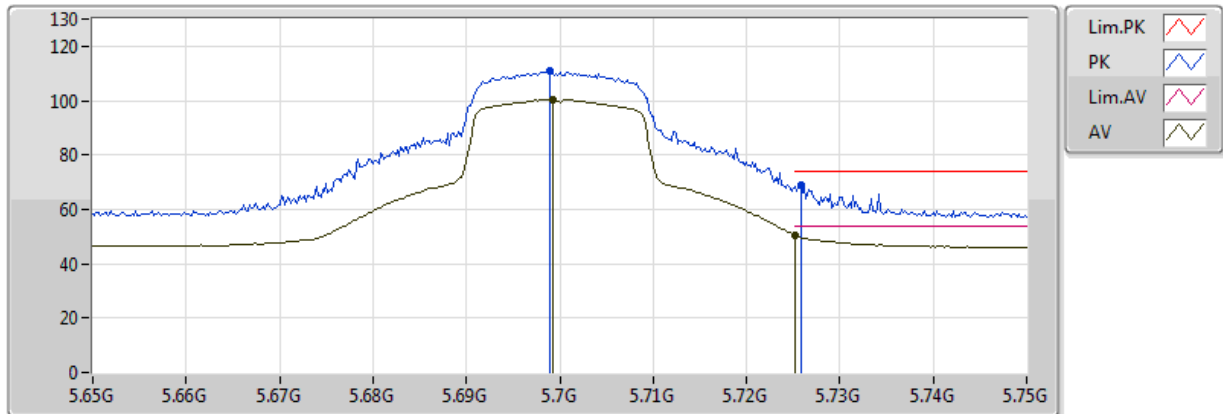
EUT Y_2 TX
Setting 21
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7006G	103.22	Inf	-Inf	7.17	3	Vertical	316	1.50	-
AV	5.699G	92.74	Inf	-Inf	7.17	3	Vertical	316	1.50	-
PK	5.7262G	59.83	74.00	-14.17	7.22	3	Vertical	316	1.50	-
AV	5.7252G	46.64	54.00	-7.36	7.22	3	Vertical	316	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

19/04/2018



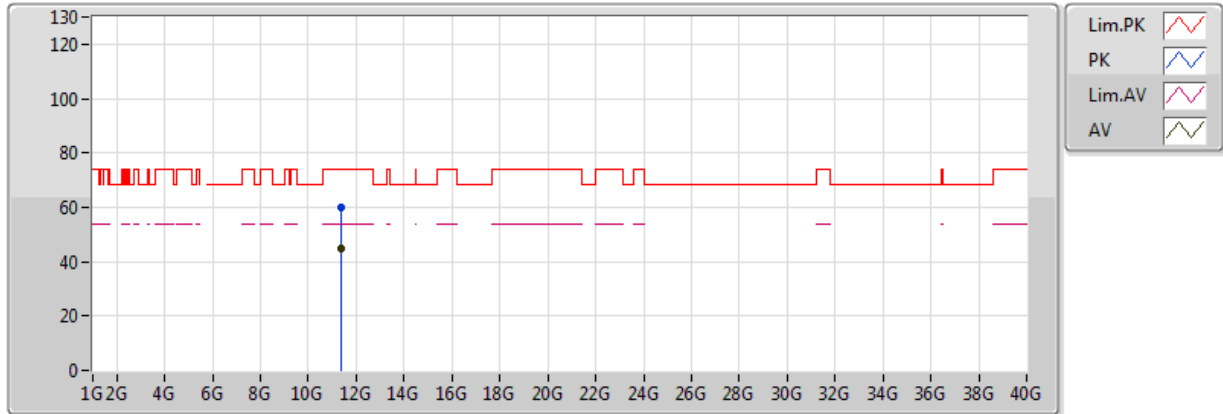
EUT Y_2 TX
Setting 21
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.699G	110.93	Inf	-Inf	7.17	3	Horizontal	288	1.67	-
AV	5.6992G	100.37	Inf	-Inf	7.17	3	Horizontal	288	1.67	-
PK	5.7258G	69.17	74.00	-4.83	7.22	3	Horizontal	288	1.67	-
AV	5.7252G	50.50	54.00	-3.50	7.22	3	Horizontal	288	1.67	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

19/04/2018



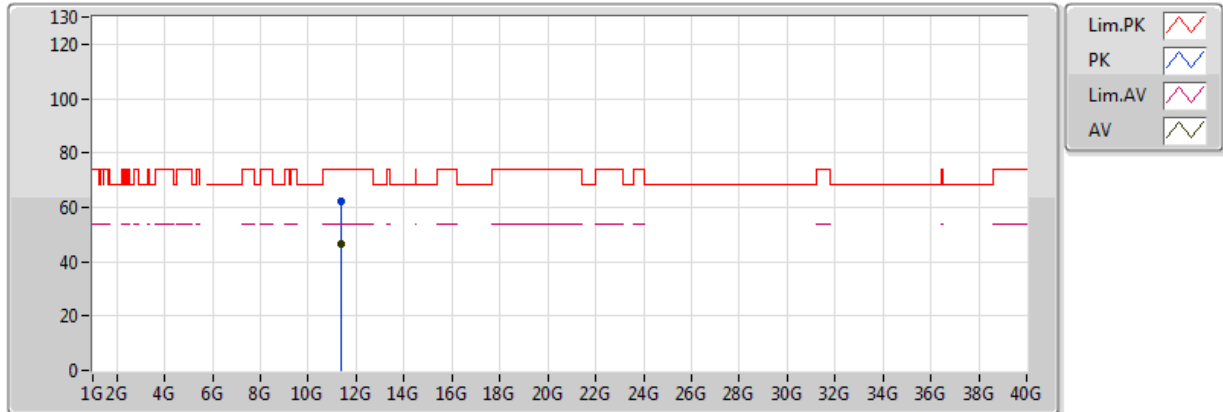
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Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39652G	59.82	74.00	-14.18	15.29	3	Vertical	81	2.07	-
AV	11.40052G	44.78	54.00	-9.22	15.28	3	Vertical	81	2.07	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

19/04/2018



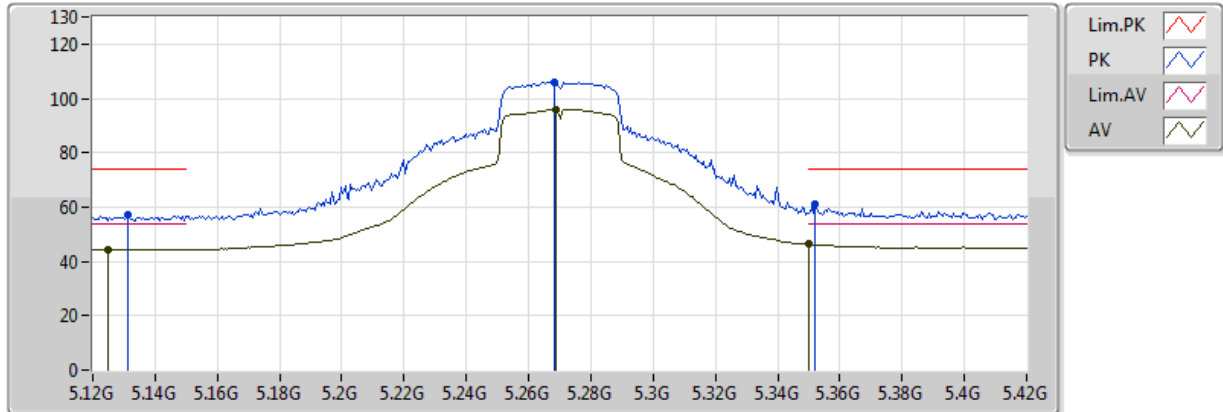
EUT Y_2 TX
Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.3982G	62.00	74.00	-12.00	15.28	3	Horizontal	70	1.50	-
AV	11.3996G	46.73	54.00	-7.27	15.28	3	Horizontal	70	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

19/04/2018



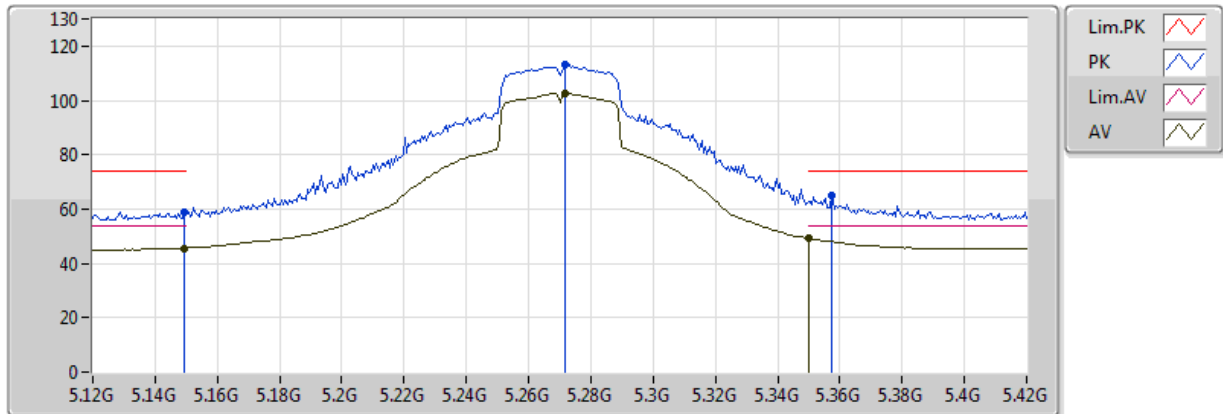
EUT Y_2 TX
Setting 29
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1314G	57.06	74.00	-16.94	6.25	3	Vertical	363	2.71	-
AV	5.1248G	44.43	54.00	-9.57	6.23	3	Vertical	363	2.71	-
PK	5.2682G	106.11	Inf	-Inf	6.47	3	Vertical	363	2.71	-
AV	5.2688G	95.81	Inf	-Inf	6.47	3	Vertical	363	2.71	-
PK	5.3522G	61.31	74.00	-12.69	6.60	3	Vertical	363	2.71	-
AV	5.350005G	46.27	54.00	-7.73	6.60	3	Vertical	363	2.71	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

19/04/2018



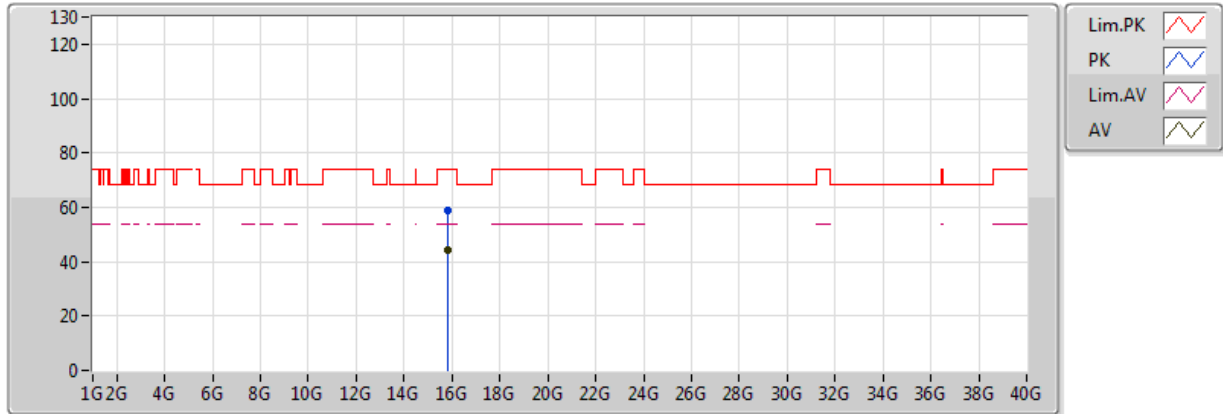
EUT Y_2 TX
Setting 29
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1494G	58.94	74.00	-15.06	6.27	3	Horizontal	275	1.50	-
AV	5.1494G	45.66	54.00	-8.34	6.27	3	Horizontal	275	1.50	-
PK	5.2718G	113.33	Inf	-Inf	6.48	3	Horizontal	275	1.50	-
AV	5.2718G	102.62	Inf	-Inf	6.48	3	Horizontal	275	1.50	-
PK	5.3576G	64.91	74.00	-9.09	6.61	3	Horizontal	275	1.50	-
AV	5.350005G	49.27	54.00	-4.73	6.60	3	Horizontal	275	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

19/04/2018



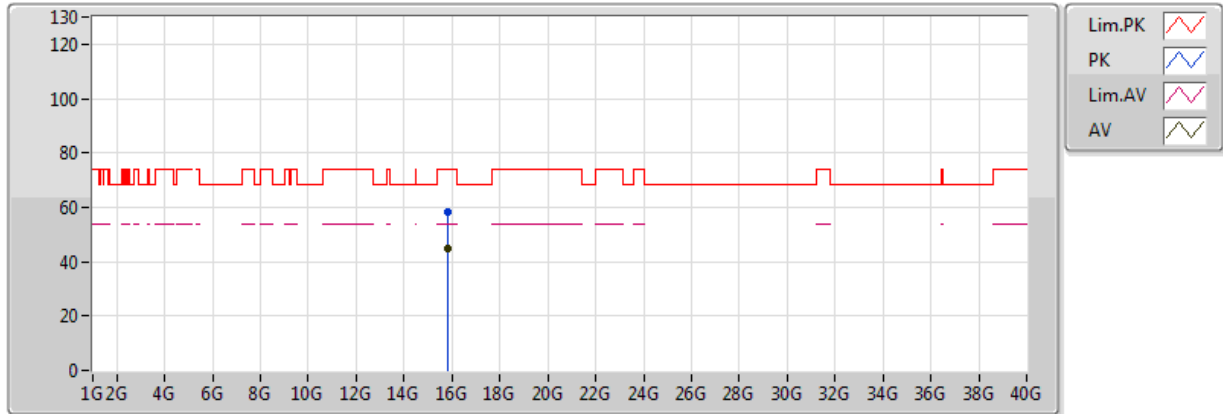
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Setting 29
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.81632G	58.62	74.00	-15.38	15.54	3	Vertical	310	1.09	-
AV	15.80532G	44.53	54.00	-9.47	15.57	3	Vertical	310	1.09	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

19/04/2018



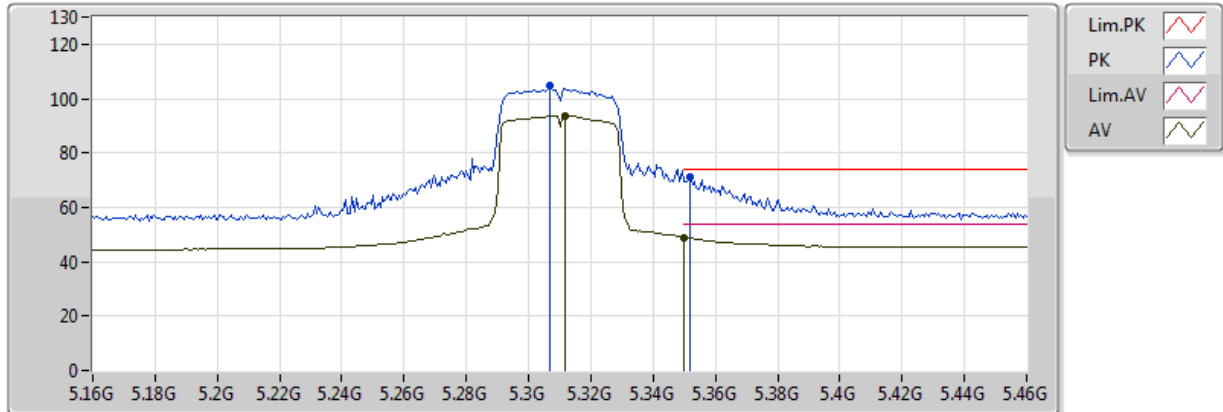
EUT Y_2 TX
Setting 29
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.80244G	58.26	74.00	-15.74	15.58	3	Horizontal	135	2.05	-
AV	15.81048G	44.64	54.00	-9.36	15.56	3	Horizontal	135	2.05	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

19/04/2018



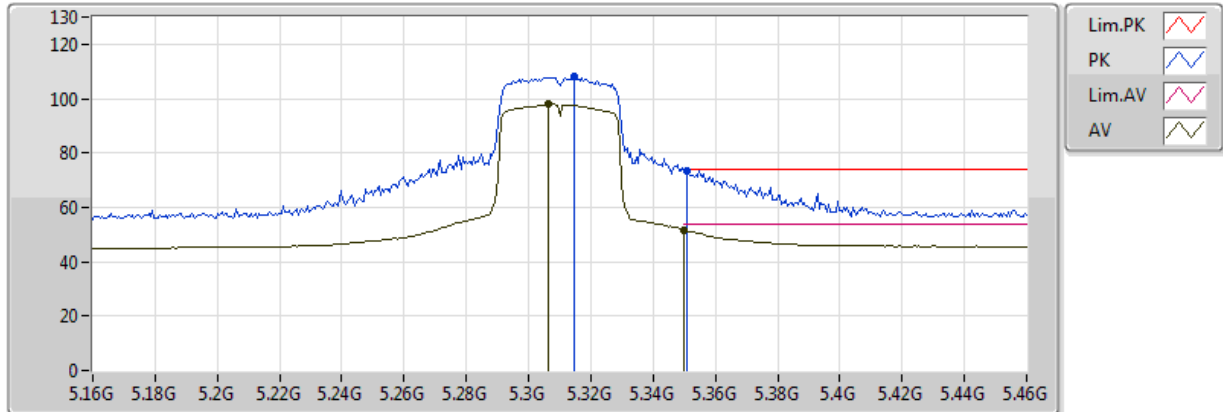
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Setting 21
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.307G	104.81	Inf	-Inf	6.53	3	Vertical	358	2.92	-
AV	5.3118G	93.81	Inf	-Inf	6.54	3	Vertical	358	2.92	-
PK	5.352G	71.05	74.00	-2.95	6.60	3	Vertical	358	2.92	-
AV	5.350005G	48.91	54.00	-5.09	6.60	3	Vertical	358	2.92	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

19/04/2018



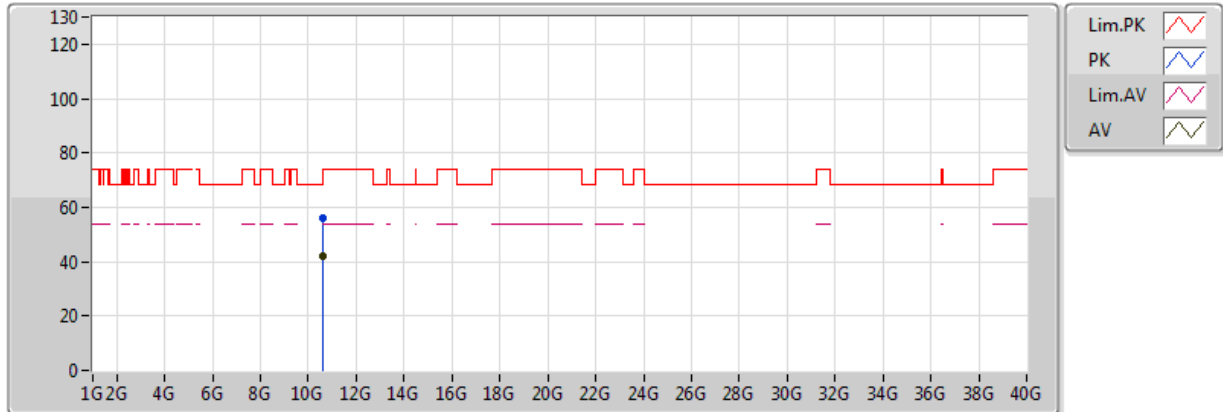
EUT Y_2 TX
Setting 21
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3148G	108.09	Inf	-Inf	6.54	3	Horizontal	266	1.74	-
AV	5.3064G	97.82	Inf	-Inf	6.53	3	Horizontal	266	1.74	-
PK	5.3508G	73.38	74.00	-0.62	6.60	3	Horizontal	266	1.74	-
AV	5.350005G	51.53	54.00	-2.47	6.60	3	Horizontal	266	1.74	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

19/04/2018



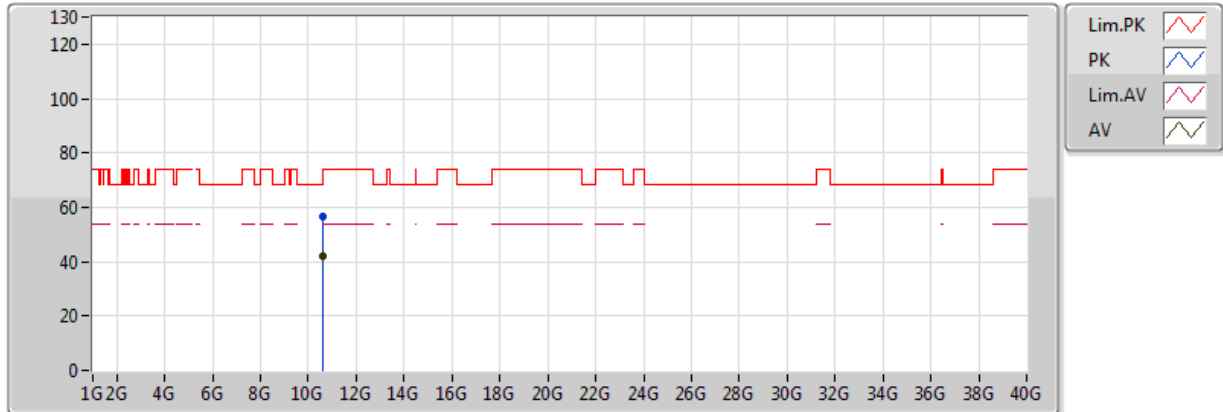
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Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.61056G	56.20	74.00	-17.80	15.38	3	Vertical	320	1.87	-
AV	10.61392G	41.83	54.00	-12.17	15.38	3	Vertical	320	1.87	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

19/04/2018



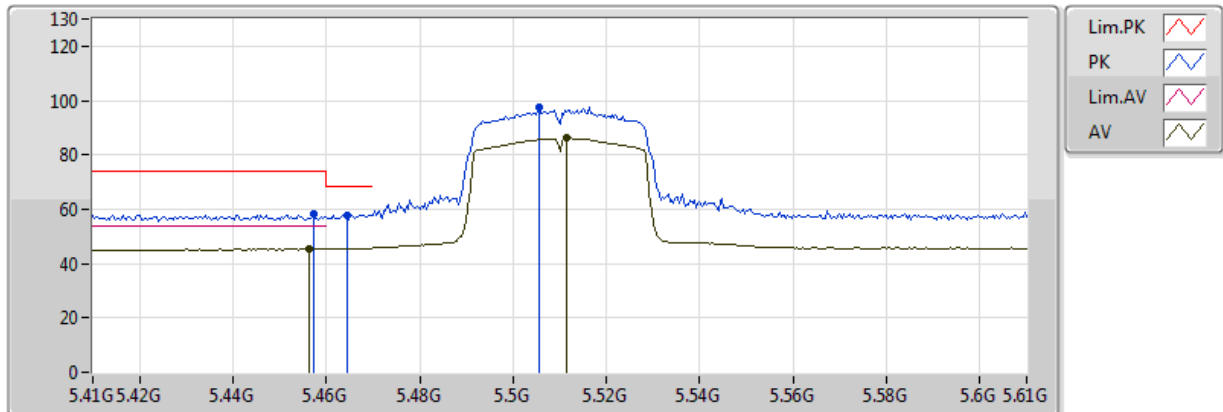
EUT Y_2 TX
Setting 21
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6204G	56.34	74.00	-17.66	15.39	3	Horizontal	267	1.73	-
AV	10.614G	41.80	54.00	-12.20	15.38	3	Horizontal	267	1.73	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

19/04/2018



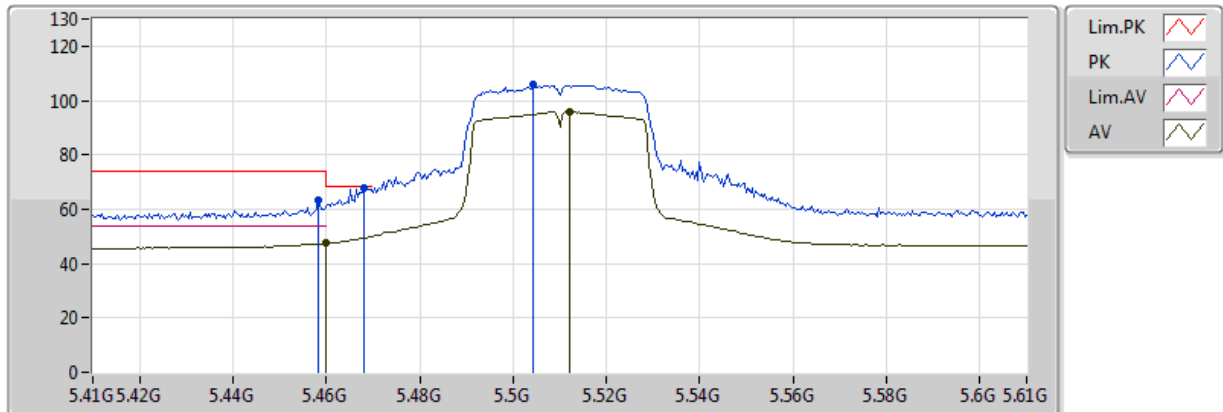
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4572G	58.26	74.00	-15.74	6.76	3	Vertical	272	1.50	-
AV	5.4564G	45.25	54.00	-8.75	6.76	3	Vertical	272	1.50	-
PK	5.4644G	57.94	68.20	-10.26	6.77	3	Vertical	272	1.50	-
PK	5.5056G	97.49	Inf	-Inf	6.85	3	Vertical	272	1.50	-
AV	5.5116G	86.18	Inf	-Inf	6.86	3	Vertical	272	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

19/04/2018



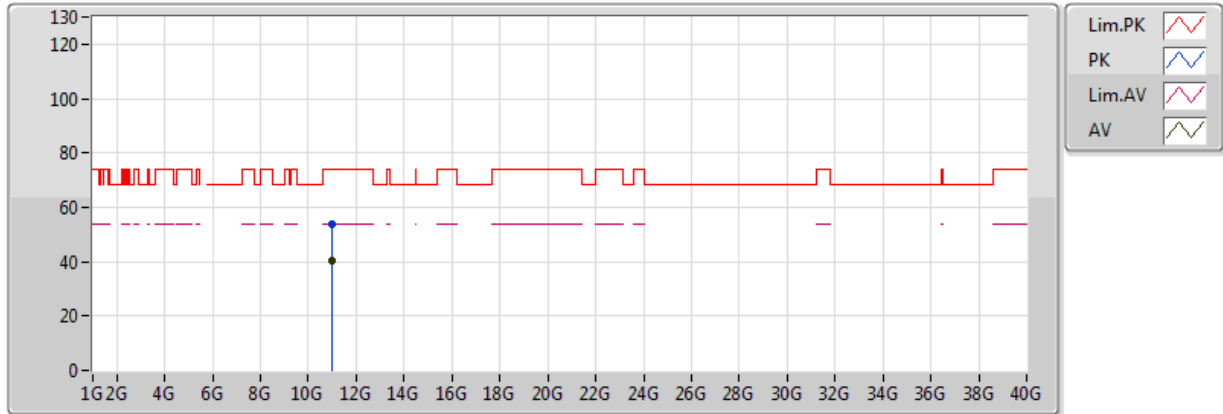
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4584G	63.33	74.00	-10.67	6.76	3	Horizontal	247	1.69	-
AV	5.459995G	47.37	54.00	-6.63	6.77	3	Horizontal	247	1.69	-
PK	5.468G	67.84	68.20	-0.36	6.78	3	Horizontal	247	1.69	-
PK	5.5044G	105.69	Inf	-Inf	6.84	3	Horizontal	247	1.69	-
AV	5.512G	95.77	Inf	-Inf	6.86	3	Horizontal	247	1.69	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

19/04/2018



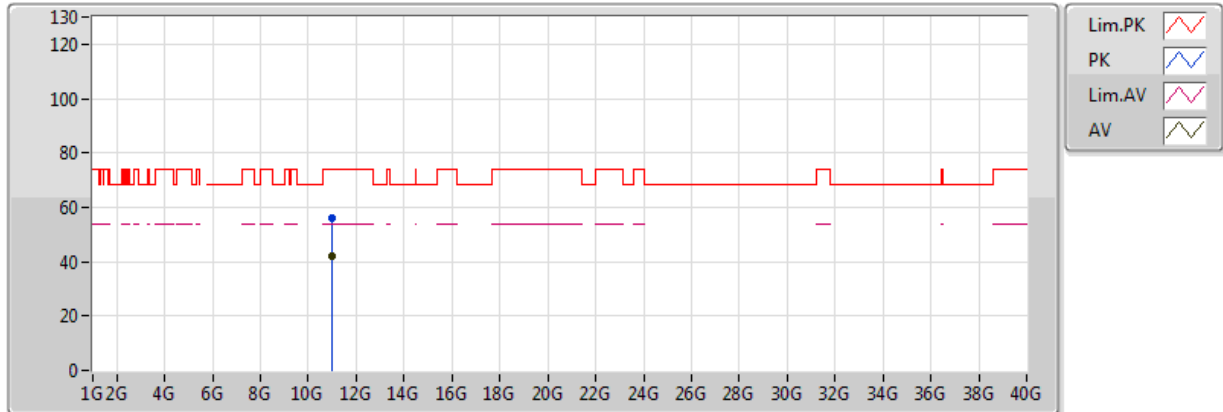
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Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.01936G	54.01	74.00	-19.99	15.69	3	Vertical	337	1.17	-
AV	11.01068G	40.09	54.00	-13.91	15.70	3	Vertical	337	1.17	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

19/04/2018



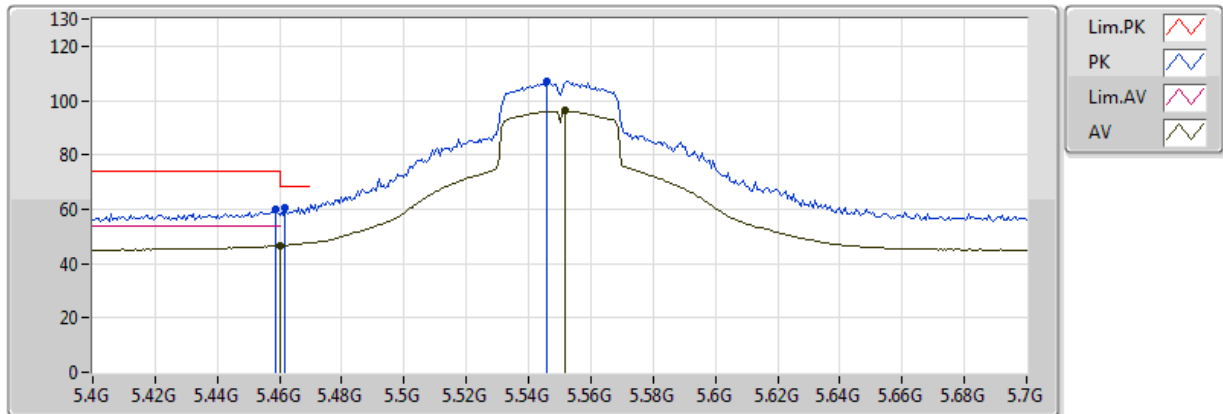
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Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.01228G	56.17	74.00	-17.83	15.70	3	Horizontal	146	1.61	-
AV	11.01996G	42.02	54.00	-11.98	15.69	3	Horizontal	146	1.61	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

19/04/2018



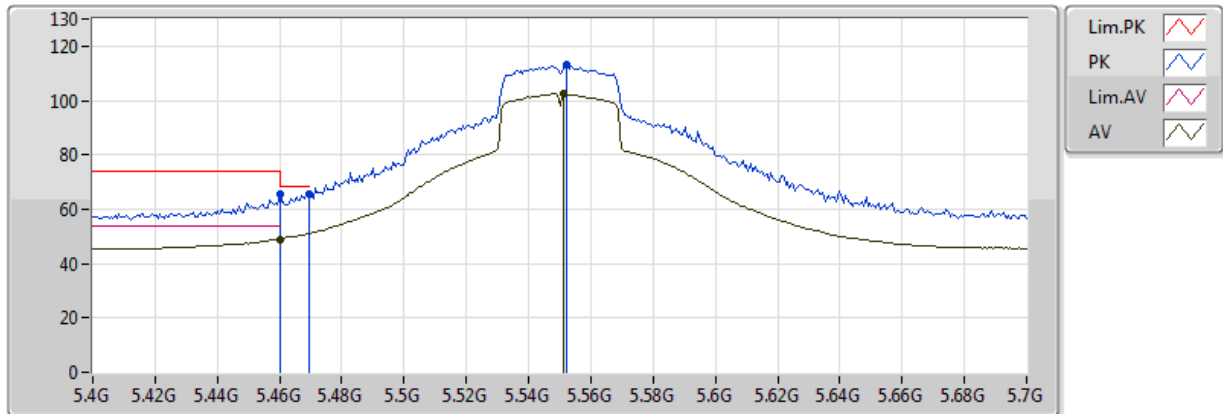
EUT Y_2 TX
Setting 28
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4588G	60.07	74.00	-13.93	6.76	3	Vertical	271	1.01	-
AV	5.459995G	46.54	54.00	-7.46	6.77	3	Vertical	271	1.01	-
PK	5.4618G	60.58	68.20	-7.62	6.77	3	Vertical	271	1.01	-
PK	5.5458G	107.11	Inf	-Inf	6.91	3	Vertical	271	1.01	-
AV	5.5518G	96.14	Inf	-Inf	6.92	3	Vertical	271	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

19/04/2018



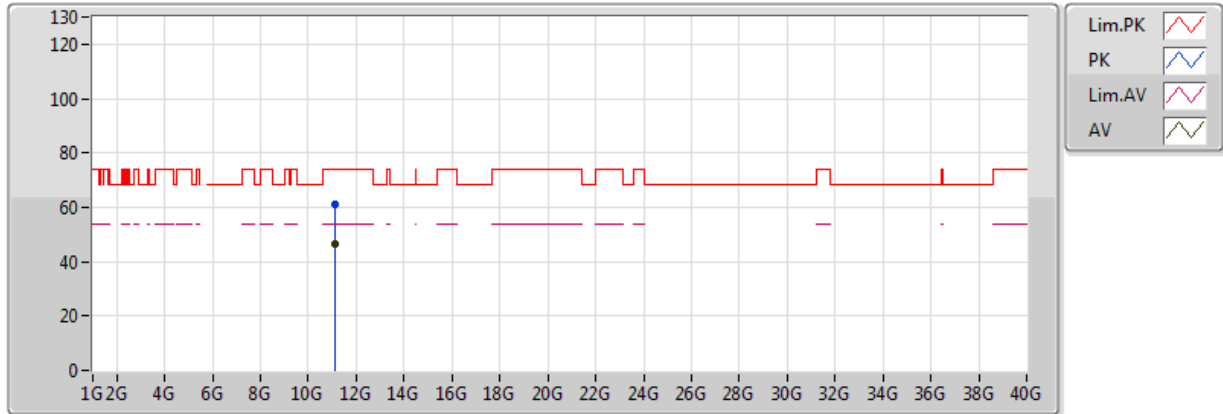
EUT Y_2 TX
Setting 28
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.459995G	65.48	74.00	-8.52	6.77	3	Horizontal	217	1.83	-
AV	5.459995G	49.01	54.00	-4.99	6.77	3	Horizontal	217	1.83	-
PK	5.4696G	65.48	68.20	-2.72	6.79	3	Horizontal	217	1.83	-
PK	5.5524G	112.92	Inf	-Inf	6.92	3	Horizontal	217	1.83	-
AV	5.5512G	102.31	Inf	-Inf	6.92	3	Horizontal	217	1.83	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

19/04/2018



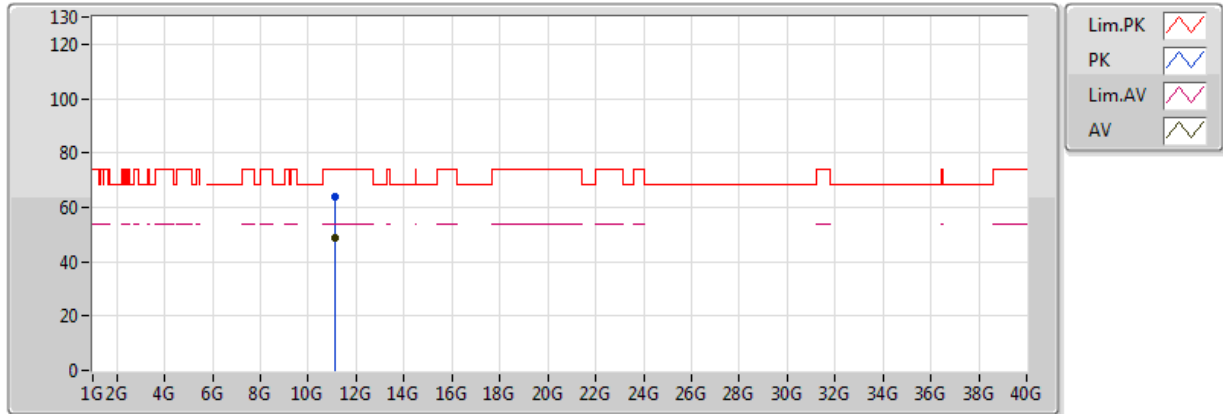
EUT Y_2 TX
Setting 28
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.10016G	60.94	74.00	-13.06	15.60	3	Vertical	194	1.52	-
AV	11.09964G	46.41	54.00	-7.59	15.60	3	Vertical	194	1.52	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

19/04/2018



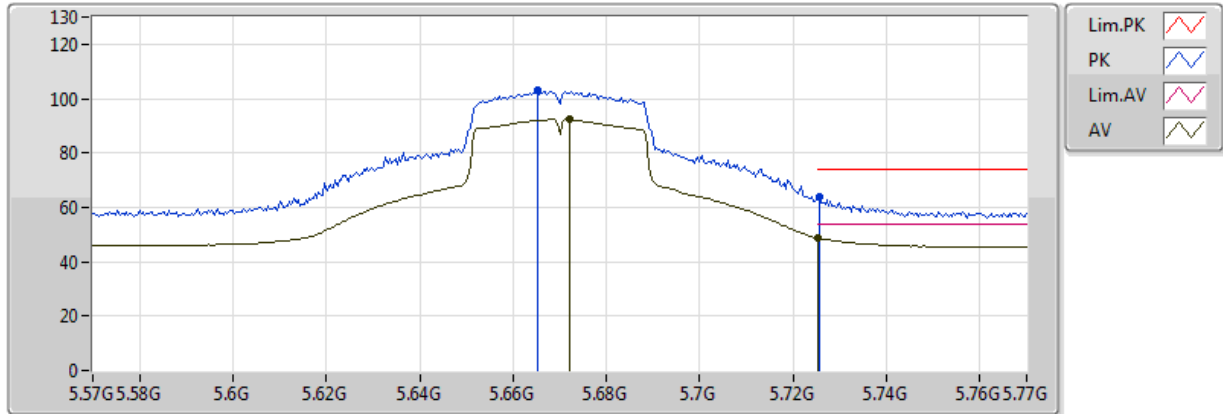
EUT Y_2 TX
Setting 28
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.1004G	63.74	74.00	-10.26	15.60	3	Horizontal	89	1.49	-
AV	11.09936G	48.63	54.00	-5.37	15.60	3	Horizontal	89	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

19/04/2018



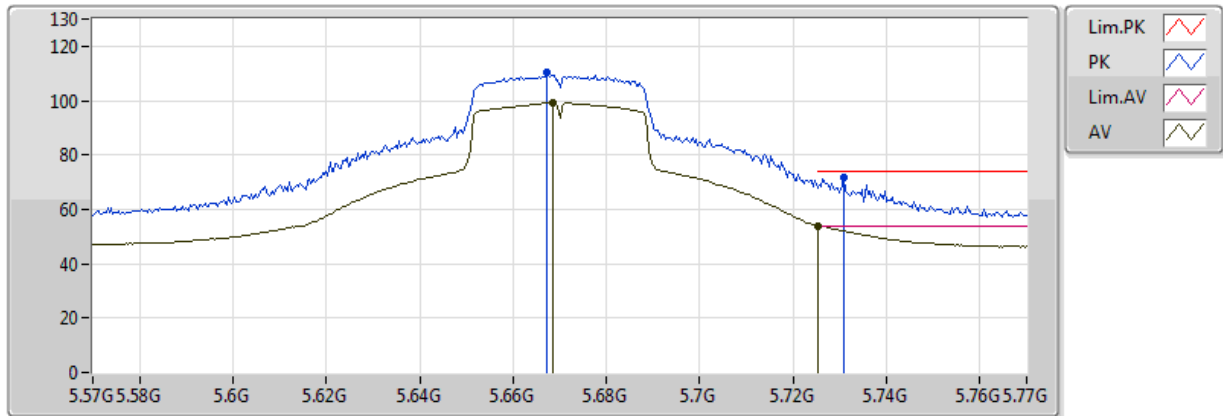
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6652G	103.07	Inf	-Inf	7.11	3	Vertical	235	1.71	-
AV	5.672G	92.35	Inf	-Inf	7.12	3	Vertical	235	1.71	-
PK	5.7256G	64.13	74.00	-9.87	7.22	3	Vertical	235	1.71	-
AV	5.7252G	48.67	54.00	-5.33	7.22	3	Vertical	235	1.71	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

19/04/2018



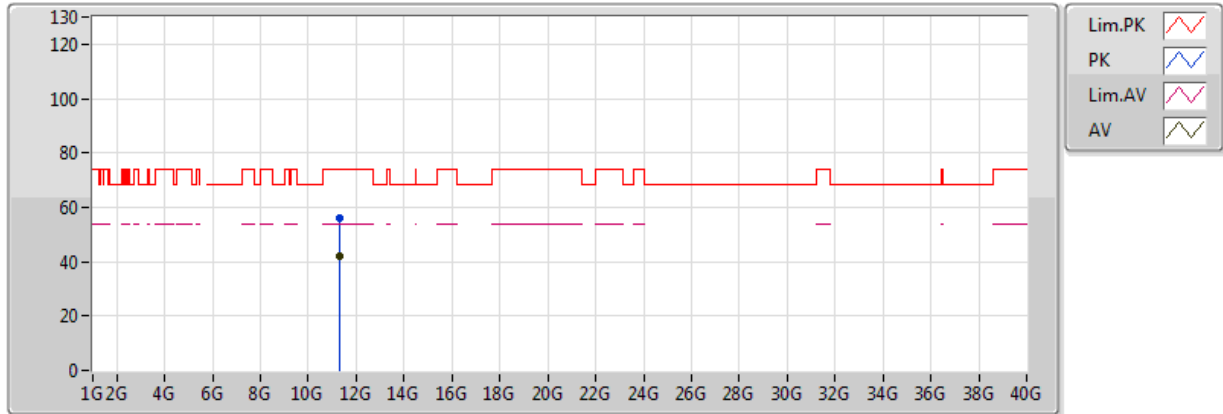
EUT Y_2 TX
Setting 23
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6672G	110.36	Inf	-Inf	7.11	3	Horizontal	210	1.62	-
AV	5.6684G	99.11	Inf	-Inf	7.11	3	Horizontal	210	1.62	-
PK	5.7308G	71.71	74.00	-2.29	7.23	3	Horizontal	210	1.62	-
AV	5.7252G	53.96	54.00	-0.04	7.22	3	Horizontal	210	1.62	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

19/04/2018



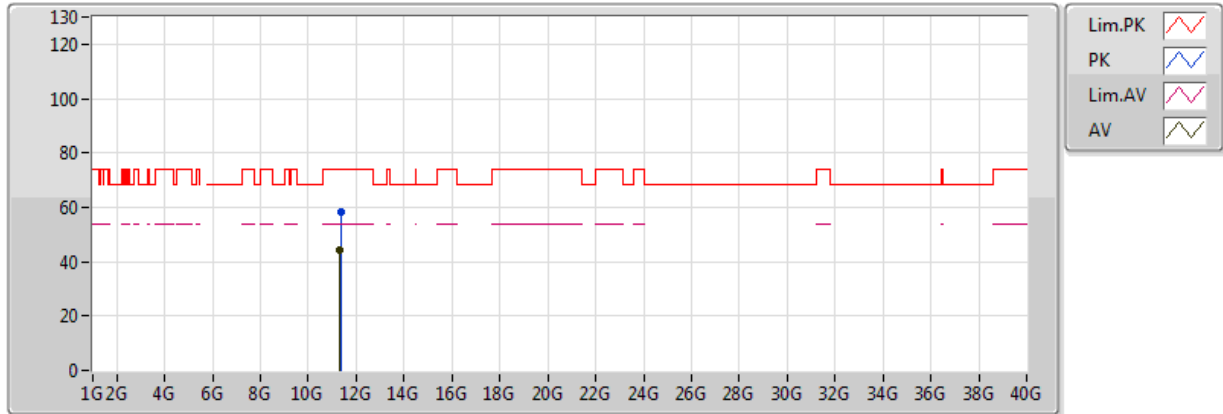
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.33544G	56.27	74.00	-17.73	15.35	3	Vertical	136	1.46	-
AV	11.33292G	42.18	54.00	-11.82	15.35	3	Vertical	136	1.46	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

19/04/2018



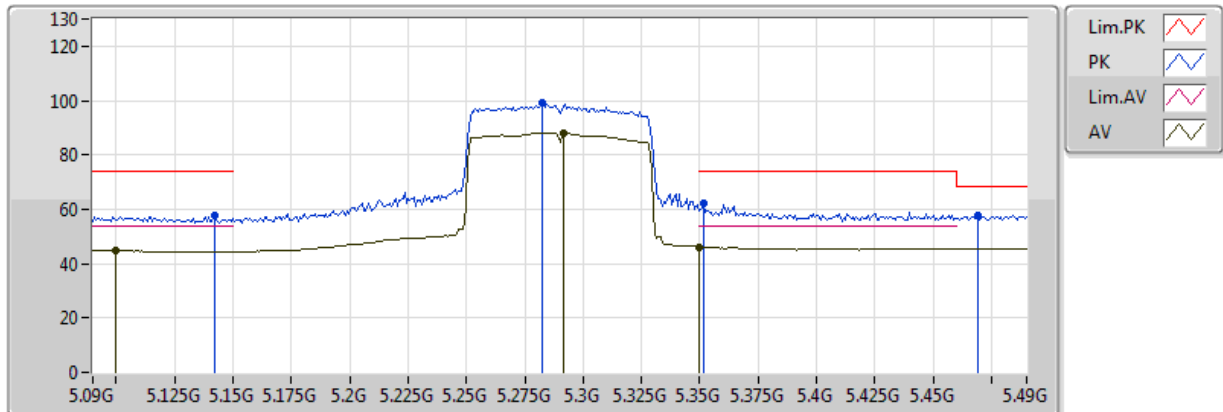
EUT Y_2 TX
Setting 23
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.34956G	58.21	74.00	-15.79	15.34	3	Horizontal	177	1.07	-
AV	11.33052G	44.16	54.00	-9.84	15.36	3	Horizontal	177	1.07	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

19/04/2018



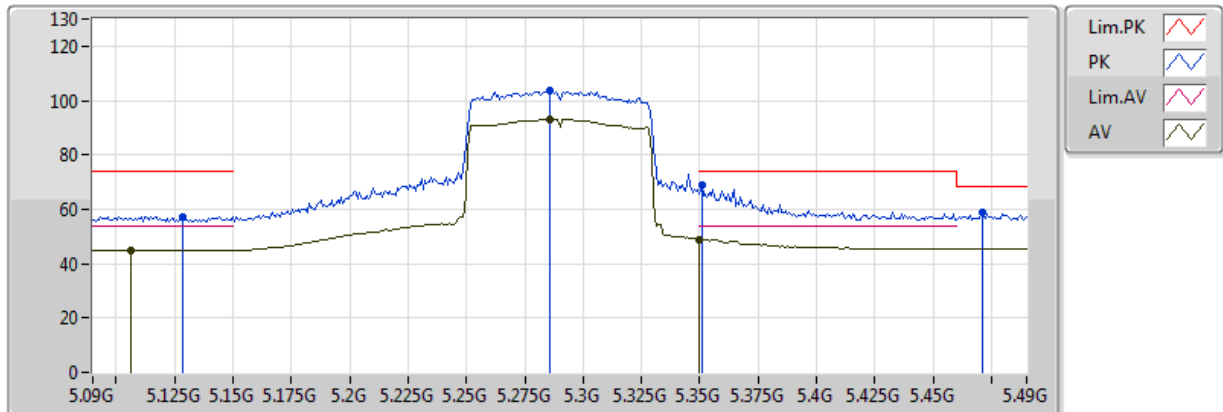
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.142G	57.57	74.00	-16.43	6.26	3	Vertical	183	1.05	-
AV	5.0996G	44.76	54.00	-9.24	6.19	3	Vertical	183	1.05	-
PK	5.2828G	98.92	Inf	-Inf	6.49	3	Vertical	183	1.05	-
AV	5.2916G	88.02	Inf	-Inf	6.51	3	Vertical	183	1.05	-
PK	5.3516G	62.21	74.00	-11.79	6.59	3	Vertical	183	1.05	-
AV	5.350005G	46.17	54.00	-7.83	6.60	3	Vertical	183	1.05	-
PK	5.4692G	57.50	68.20	-10.70	6.79	3	Vertical	183	1.05	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

19/04/2018



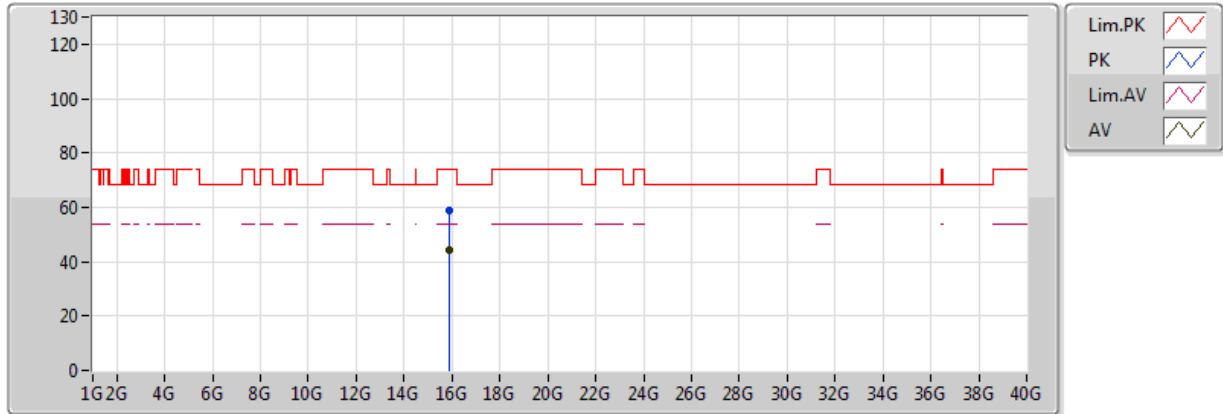
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1284G	57.43	74.00	-16.57	6.24	3	Horizontal	163	1.95	-
AV	5.106G	44.95	54.00	-9.05	6.20	3	Horizontal	163	1.95	-
PK	5.286G	103.58	Inf	-Inf	6.50	3	Horizontal	163	1.95	-
AV	5.286G	93.22	Inf	-Inf	6.50	3	Horizontal	163	1.95	-
PK	5.3508G	68.70	74.00	-5.30	6.60	3	Horizontal	163	1.95	-
AV	5.350005G	48.92	54.00	-5.08	6.60	3	Horizontal	163	1.95	-
PK	5.4708G	58.69	68.20	-9.51	6.79	3	Horizontal	163	1.95	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

19/04/2018



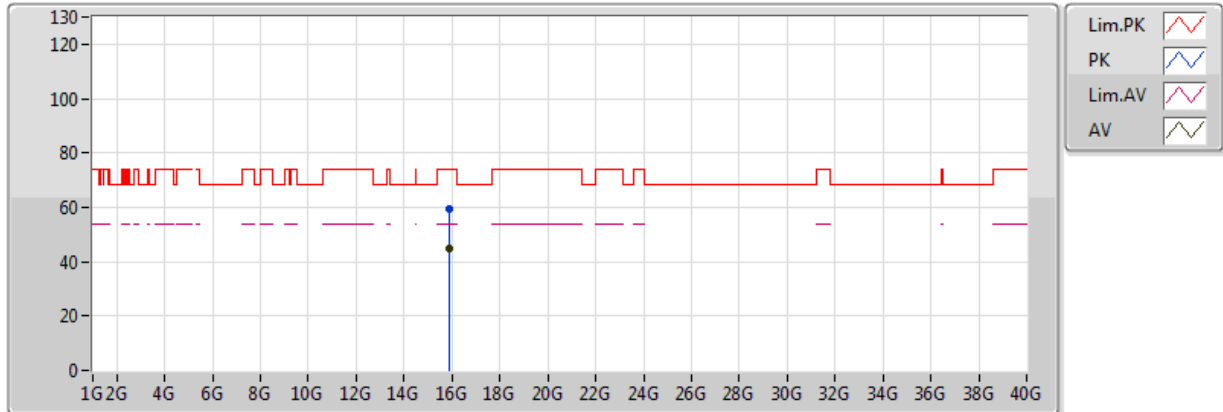
EUT Y_2 TX
Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.86576G	58.99	74.00	-15.01	15.40	3	Vertical	301	2.20	-
AV	15.86448G	44.53	54.00	-9.47	15.41	3	Vertical	301	2.20	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

19/04/2018



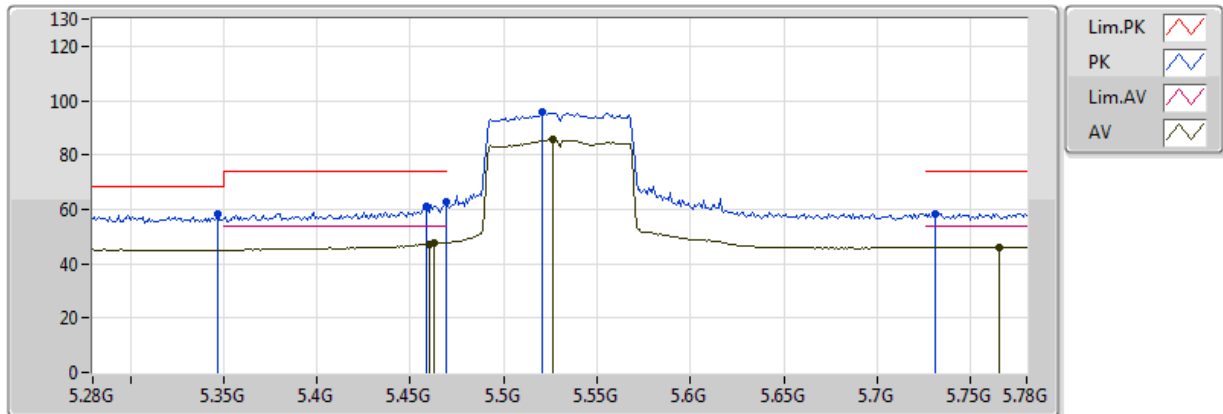
EUT Y_2 TX
Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.87928G	59.53	74.00	-14.47	15.36	3	Horizontal	141	1.91	-
AV	15.8782G	44.61	54.00	-9.39	15.37	3	Horizontal	141	1.91	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

19/04/2018



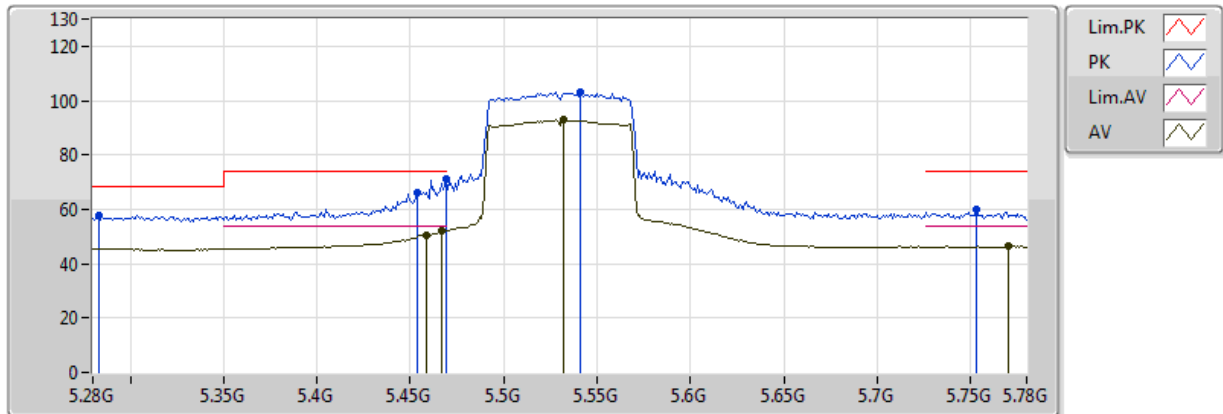
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.347G	58.03	68.20	-10.17	6.58	3	Vertical	348	1.66	-
PK	5.459G	61.28	74.00	-12.72	6.76	3	Vertical	348	1.66	-
AV	5.459995G	47.19	54.00	-6.81	6.77	3	Vertical	348	1.66	-
PK	5.469G	62.60	74.00	-11.40	6.79	3	Vertical	348	1.66	-
AV	5.463G	47.69	54.00	-6.31	6.77	3	Vertical	348	1.66	-
PK	5.521G	95.65	Inf	-Inf	6.87	3	Vertical	348	1.66	-
AV	5.526G	85.71	Inf	-Inf	6.88	3	Vertical	348	1.66	-
PK	5.731G	58.46	74.00	-15.54	7.22	3	Vertical	348	1.66	-
AV	5.765G	46.22	54.00	-7.78	7.29	3	Vertical	348	1.66	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

19/04/2018



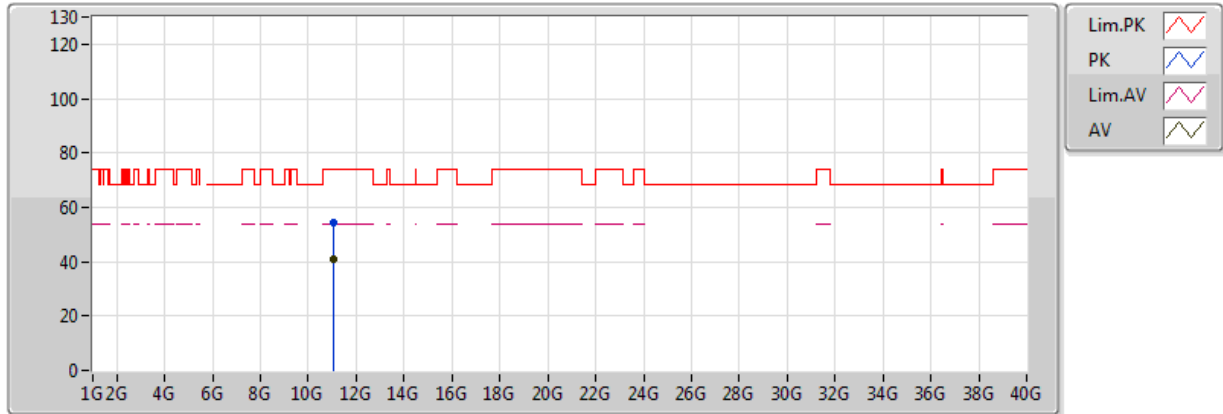
EUT Y_2 TX
Setting 1F
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.283G	57.76	68.20	-10.44	6.49	3	Horizontal	192	1.68	-
PK	5.454G	66.21	74.00	-7.79	6.76	3	Horizontal	192	1.68	-
AV	5.459G	50.45	54.00	-3.55	6.76	3	Horizontal	192	1.68	-
PK	5.469G	71.10	74.00	-2.90	6.79	3	Horizontal	192	1.68	-
AV	5.467G	51.91	54.00	-2.09	6.78	3	Horizontal	192	1.68	-
PK	5.541G	103.29	Inf	-Inf	6.90	3	Horizontal	192	1.68	-
AV	5.532G	93.01	Inf	-Inf	6.89	3	Horizontal	192	1.68	-
PK	5.753G	59.79	74.00	-14.21	7.26	3	Horizontal	192	1.68	-
AV	5.77G	46.31	54.00	-7.69	7.30	3	Horizontal	192	1.68	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

19/04/2018



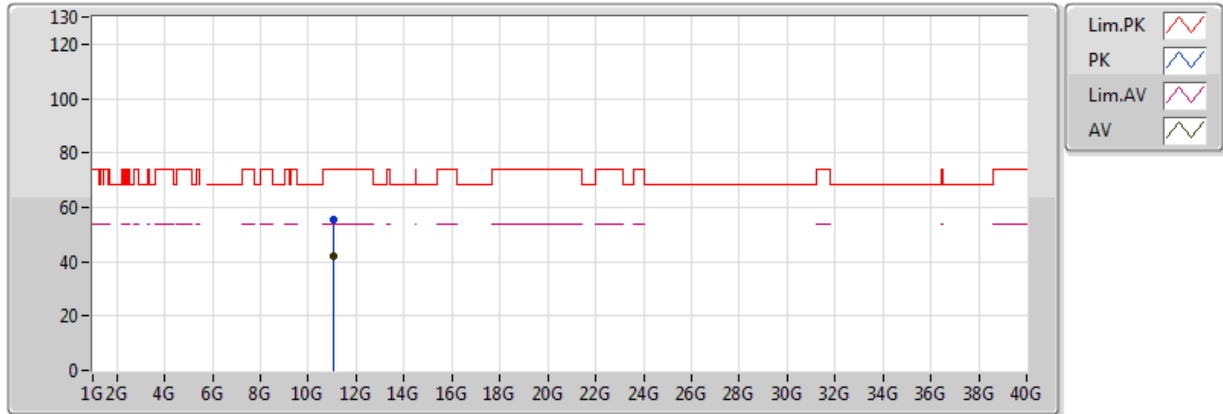
EUT Y_2 TX
Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.05076G	54.34	74.00	-19.66	15.66	3	Vertical	157	1.11	-
AV	11.05556G	41.00	54.00	-13.00	15.65	3	Vertical	157	1.11	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

19/04/2018



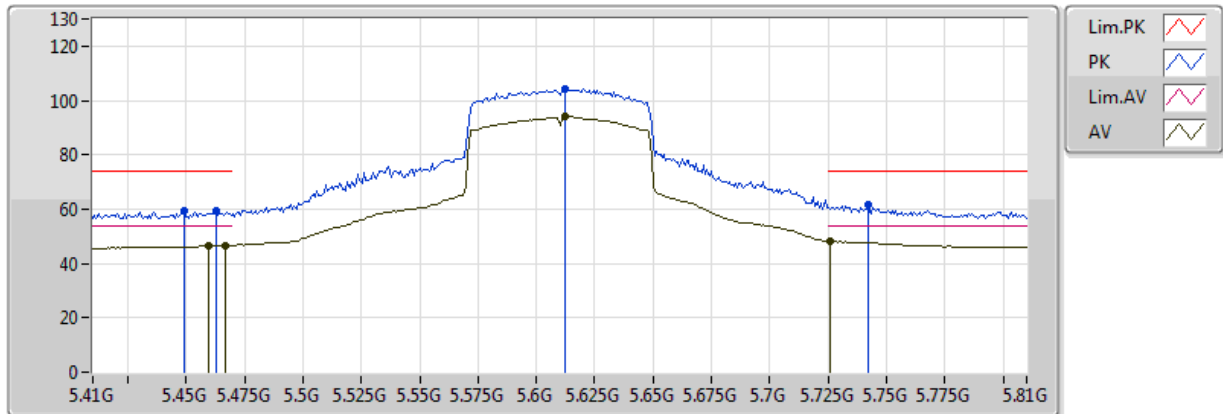
EUT Y_2 TX
Setting 1F
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.05696G	55.57	74.00	-18.43	15.65	3	Horizontal	354	1.03	-
AV	11.06408G	42.06	54.00	-11.94	15.64	3	Horizontal	354	1.03	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

19/04/2018



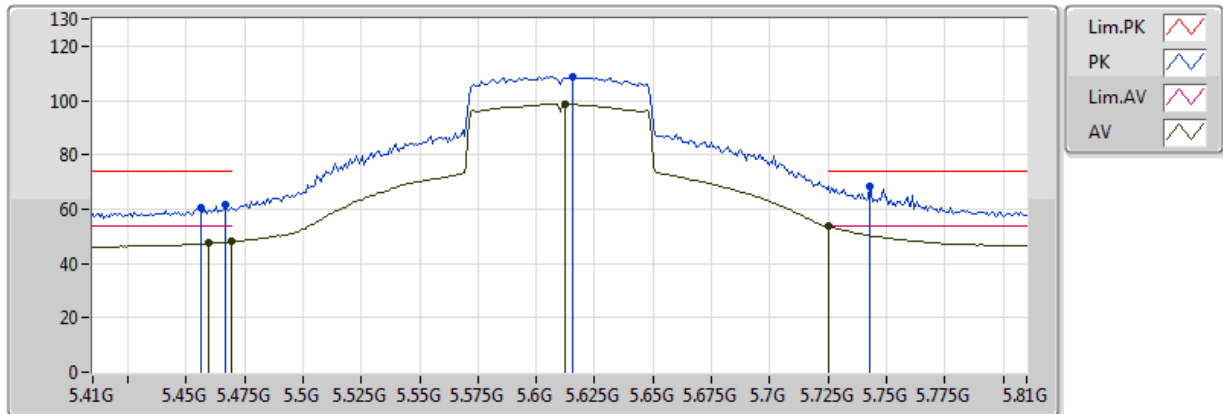
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4492G	59.59	74.00	-14.41	6.75	3	Vertical	354	2.78	-
AV	5.4596G	46.45	54.00	-7.55	6.77	3	Vertical	354	2.78	-
PK	5.4628G	59.29	74.00	-14.71	6.77	3	Vertical	354	2.78	-
AV	5.4668G	46.71	54.00	-7.29	6.78	3	Vertical	354	2.78	-
PK	5.6124G	104.45	Inf	-Inf	7.02	3	Vertical	354	2.78	-
AV	5.6124G	94.19	Inf	-Inf	7.02	3	Vertical	354	2.78	-
PK	5.742G	61.86	74.00	-12.14	7.25	3	Vertical	354	2.78	-
AV	5.726G	48.08	54.00	-5.92	7.22	3	Vertical	354	2.78	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

19/04/2018



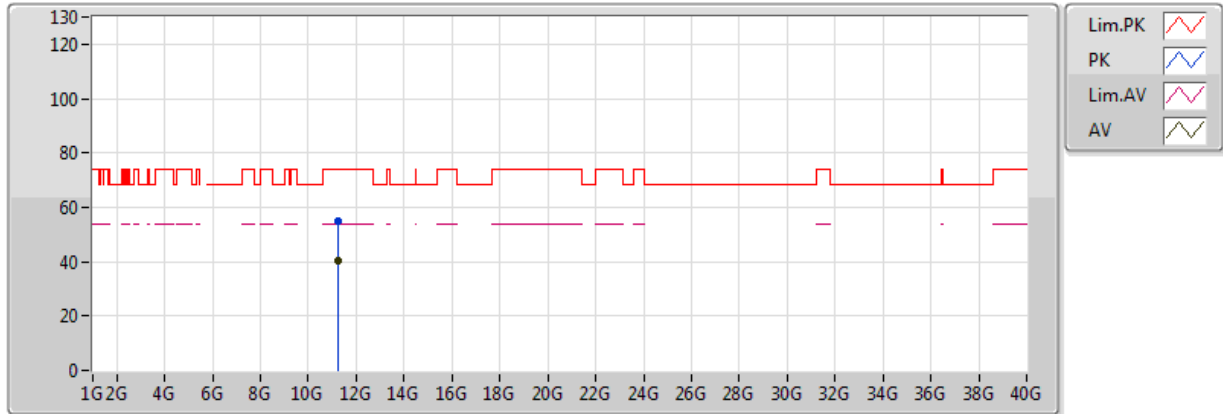
EUT Y_2 TX
Setting 25
02-L-2-10
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4564G	60.29	74.00	-13.71	6.76	3	Horizontal	173	1.73	-
AV	5.4596G	47.51	54.00	-6.49	6.77	3	Horizontal	173	1.73	-
PK	5.4668G	61.81	74.00	-12.19	6.78	3	Horizontal	173	1.73	-
AV	5.4692G	47.94	54.00	-6.06	6.78	3	Horizontal	173	1.73	-
PK	5.6156G	108.77	Inf	-Inf	7.02	3	Horizontal	173	1.73	-
AV	5.6124G	98.72	Inf	-Inf	7.02	3	Horizontal	173	1.73	-
PK	5.7428G	68.56	74.00	-5.44	7.25	3	Horizontal	173	1.73	-
AV	5.7252G	53.95	54.00	-0.05	7.22	3	Horizontal	173	1.73	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

19/04/2018



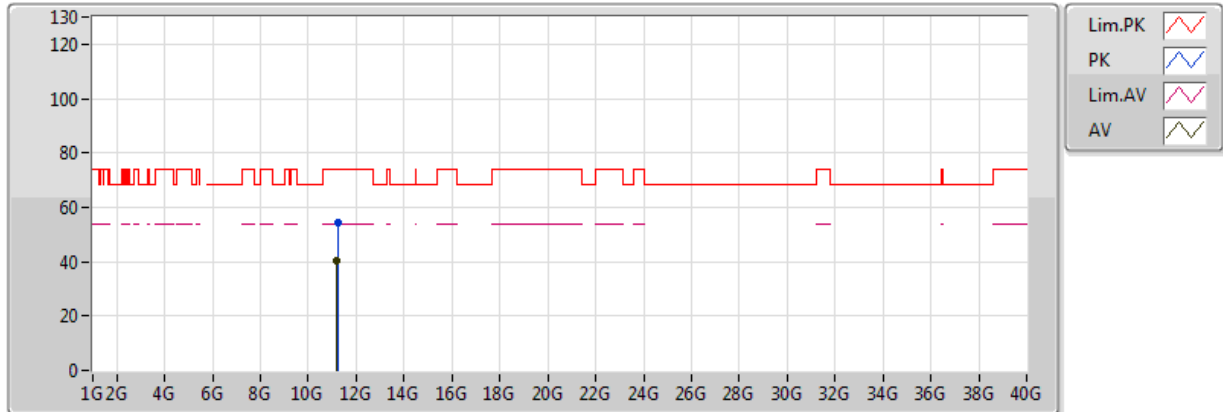
EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.2214G	54.71	74.00	-19.29	15.47	3	Vertical	255	1.81	-
AV	11.21512G	40.33	54.00	-13.67	15.48	3	Vertical	255	1.81	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

19/04/2018



EUT Y_2 TX
Setting 25
02-L-2
FSP(100304)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.21528G	54.33	74.00	-19.67	15.48	3	Horizontal	65	2.42	-
AV	11.21028G	40.31	54.00	-13.69	15.49	3	Horizontal	65	2.42	-