



: 01



FCC Test Report

FCC ID : 2AHGTA30103A

Equipment : Mevo Start

Brand Name : Mevo

Model Name : A30103A **Applicant** : Mevo, Inc

19 Morris Ave. BLDG 128 Brooklyn, NY 11205 United

States Of America

: Chicony Electronics Co.,Ltd. Manufacturer

No.69, Sec. 2, Guangfu Rd., Sanchong Dist. New Taipei

City 241 Taiwan

: 47 CFR FCC Part 15.407 Standard

The product was received on Dec. 13, 2019, and testing was started from Dec. 17, 2019 and completed on Jan. 16, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR9D1219AN	01	Initial issue of report	Jan. 31, 2020

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Summary of Test Result

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Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Jackson Tsai

Report Producer: Kate Lo

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1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number	
5150-5250	o n (UT20) oo (V/UT20)	5180-5240	36-48 [4]	
5725-5850	a, n (HT20), ac (VHT20)	5745-5825	149-165 [5]	
5150-5250	n (UT40) on (V/UT40)	5190-5230	38-46 [2]	
5725-5850	n (HT40), ac (VHT40)	5755-5795	151-159 [2]	
5150-5250	oo (\/UT90\	5210	42 [1]	
5725-5850	ac (VHT80)	5775	155 [1]	

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Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:

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

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1.1.2 Antenna Information

Ant.	Brand	Part Number	Antenna Type	Connector
1	WIESON	GY196HT337-020	PCB Antenna	I-PEX
2	WIESON	GY196HT337-019	PCB Antenna	I-PEX

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	Gain (dBi)											
Ant.	Port	2.4G(MHz)			5G(MHz)				BT(MHz)			
		2400	2450	2500	5150	5250	5725	5785	5850	2400	2450	2500
1	1	-0.71	0.94	0.74	1.18	1.19	2.13	1.18	1.15	-0.71	0.94	0.74
2	2	1.21	1.26	1.59	2.18	2.18	1.11	1.29	1.63	-	-	-

Note 1: The EUT has two antennas.

Note 2: Higher gain was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

For 5GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

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1.1.3 EUT Information

	Operational Condition							
EU	Γ Power T	ype	Fro	om AC Adapter / From host sys	stem(NB)			
EUT Function				Outdoor AP	\boxtimes		Indoor AP	
	runction	1		Fixed P2P AP	\boxtimes		Indoor Client	
Bea	mforming	Function		With beamforming	\boxtimes]	Without beamforming	
				Type of EUT				
\boxtimes	Stand-alo	ne						
	Combined	d (EUT where	e the	e radio part is fully integrated v	vithin anot	the	er device)	
	Combined	d Equipment	- Br	and Name / Model No.:				
	Plug-in ra	dio (EUT inte	ende	ed for a variety of host systems	s)			
	Host System - Brand Name / Model No.:							
Other:								

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.959	0.18	460.313u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

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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
- KDB 789033 D02 v02r01
- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

	Testing Location									
\boxtimes	HWA YA	ADD	:	No. 52, Huaya 1st Rd.	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)					
		TEL	:	886-3-327-3456	FAX : 886-3-327-0973					
	Test site Designation No. TW1190 with FCC.									
	JHUBEI	ADD	:	No.8, Ln. 724, Bo'ai St	No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)					
		TEL	:	886-3-656-9065	FAX : 886-3-656-9085					
				Test site Designat	ion No. TW0006 with FCC.					
\boxtimes	Wen Shan	ADD	:	No.14-1, Ln. 19, Wen	33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)					
		TEL	:	886-3-318-0787	FAX : 886-3-318-0287					
	Test site Designation No. TW1097 with FCC.									

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	David	21.2~22.5°C / 59.2~66.4%	19/Dec/2019~ 16/Jan/2020
RF Conducted	TH06-HY	Gary	23.5~26.6°C / 65~69%	19/Dec/2019~ 13/Jan/2020
Radiated	03CH09-HY	Ryan	21.1~24.3°C / 52~60%	17/Dec/2019~ 15/Jan/2020

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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)

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Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

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Test Configuration of EUT 2

Test Condition 2.1

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
	Vnom	120V

Test Channel Mode 2.2

Test Software	DoS
---------------	-----

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	70
5200MHz	88
5240MHz	75
5745MHz	88
5785MHz	88
5825MHz	88
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	70
5200MHz	88
5240MHz	88
5745MHz	88
5785MHz	88
5825MHz	88
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	56
5230MHz	88
5755MHz	88
5795MHz	88
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	56
5775MHz	88

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2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests			
Tests Item	Tests Item AC power-line conducted emissions		
Condition	Condition AC power-line conducted measurement for line and neutral		
Operating Mode	СТХ		
1 Adapter mode			
2	USB mode		

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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	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	стх				
1	Adapter mode				
2	USB mode				
Operating Mode > 1GHz	CTX				
	X Plane	Y Plane	Z Plane		
Orthogonal Planes of EUT					
Worst Planes of EUT		V			

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2.4 Accessories and Support Equipment

Accessories				
	Brand Name	-	Model Name	-
USB Cable	Power Cord	2.0 meter, shielded cable	, w/o ferrite core	

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Reminder: Regarding to more detail and other information, please refer to user manual.

	Support Equipment – AC Conduction						
No.	No. Equipment Brand Name Model Name FCC ID						
1	AC Power Cable	Power sync	TPCMRN0018	-			
2	Adapter DELL		AA90PM111	-			
3	Notebook	DELL	PP13S	-			
4	AC adapter	Mevo	A18001A	-			

Note: Support equipment No.4 was provided by customer.

	Support Equipment - RF Conducted					
No.	No. Equipment Brand Name Model Name FCC ID					
1	Notebook DELL		E5410	DoC		
2	2 Adapter for NB DELL HA65NM130 DoC					

	Support Equipment – Radiated Emission						
No.	No. Equipment Brand Name Model Name FCC ID						
1	AC adapter	Mevo	A18001A	-			
2	Notebook DELL E4300		E4300	-			
3	3 AC adapter for NB DELL LA90PS0-00		LA90PS0-00	-			
4	AC Power Cable	Power sync	TPCMRN0018	-			

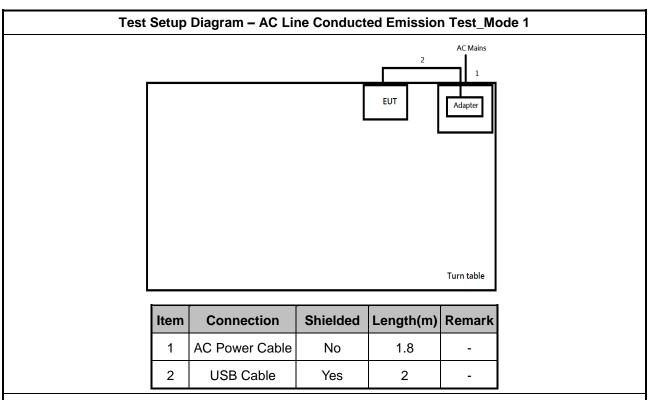
Note: Support equipment No.1 was provided by customer.

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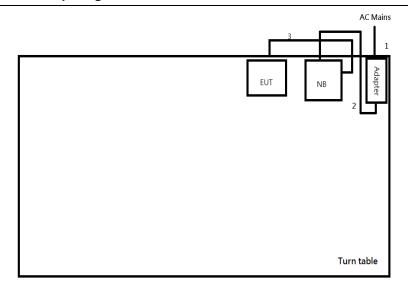
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Test Setup Diagram 2.5



Test Setup Diagram – AC Line Conducted Emission Test_Mode 2



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	USB Cable	Yes	2	-

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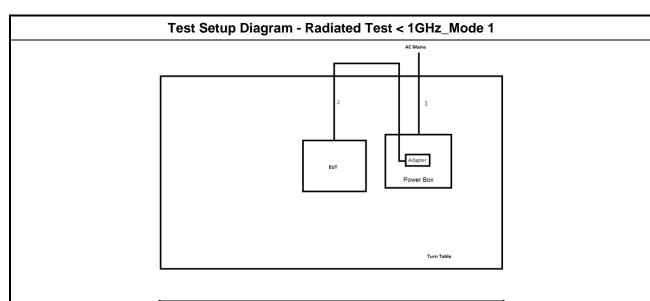
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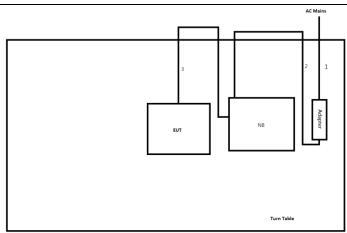
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Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	USB cable	Yes	2	-

Test Setup Diagram - Radiated Test < 1GHz_ Mode 2



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	DC Power line	No	1.5	-
3	USB cable	Yes	2	-

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3 **Transmitter Test Result**

AC Power-line Conducted Emissions 3.1

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit						
Frequency Emission (MHz) Quasi-Peak Average						
0.15-0.5	66 - 56 *	56 - 46 *				
0.5-5	56	46				
5-30	60	50				
Note 1: * Decreases with the logarithm of the frequency.						

3.1.2 Measuring Instruments

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

3.1.3 **Test Procedures**

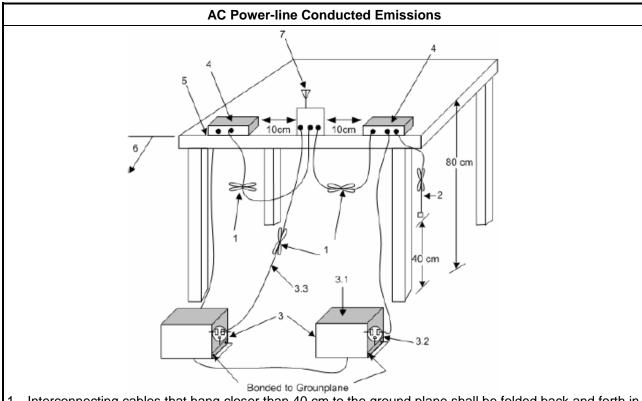
	Test Method
\boxtimes	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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3.1.4 **Test Setup**



- 1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
- 2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
- 3.1—All other equipment powered from additional LISN(s).
- 3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
- 3.3—LISN at least 80 cm from nearest part of EUT chassis.
- 4—Non-EUT components of EUT system being tested.
- 5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
- 6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
- 7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

Test Result of AC Power-line Conducted Emissions 3.1.5

Refer as Appendix A

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3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

	Emission Bandwidth Limit			
UNI	JNII Devices			
\boxtimes	For the 5.15-5.25 GHz band, N/A			
	For the 5.25-5.35 GHz band, N/A			
	For the 5.47-5.725 GHz band, N/A			
\boxtimes	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.			

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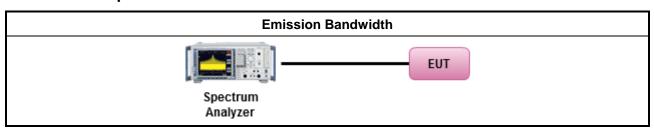
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

	Test Method				
-	For the emission bandwidth shall be measured using one of the options below:				
	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.				
	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.				
	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.				

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

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3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

	Maximum Conducted Output Power Limit				
UNI	UNII Devices				
\boxtimes	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 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 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 $P_{Out} = 24 - (G_{TX} - 6)$.				
\boxtimes	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. 				
	 Pout = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. 				

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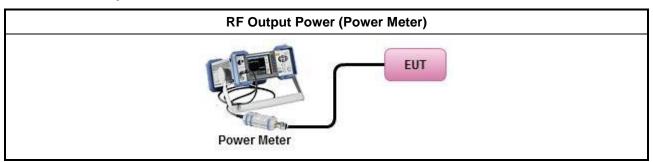
3.3.2 **Measuring Instruments**

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

3.3.3 **Test Procedures**

	Test Method				
•	Maximum Conducted Output Power				
	Duty cycle ≥ 98%				
	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).				
	Duty cycle < 98%				
Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)					
Wideband RF power meter and average over on/off periods with duty factor					
	Refer as KDB 789033, clause E Method PM (using an RF average power meter).				
•	For conducted measurement.				
	If the EUT supports multiple transmit chains using options given below: Refer as 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 + + P _n (calculated in linear unit [mW] and transfer to log unit [dBm]) EIRP _{total} = P _{total} + DG				

3.3.4 **Test Setup**



Test Result of Maximum Conducted Output Power 3.3.5

Refer as Appendix C

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3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

	Peak Power Spectral Density Limit				
UNI	UNII Devices				
\boxtimes	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 17 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) \leq 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) \leq 11 dBm/MHz. If $G_{TX} > 6$ dE then PPSD= 11 – ($G_{TX} - 6$).				
\boxtimes	For the 5.725-5.85 GHz band:				
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) \leq 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.				
PPS	PPSD = peak power spectral density that he same method as used to determine the conducted output				

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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.

3.4.2 Measuring Instruments

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

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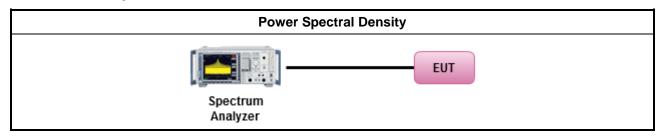
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3.4.3 Test Procedures

		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 KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth			
	Duty	cycle ≥ 98%			
		Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).			
	Duty	cycle < 98%			
		Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)			
•	For c	conducted measurement.			
	-	If the EUT supports multiple transmit chains using options given below:			
		Measure and sum the spectra across the outputs. Refer as 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.			
	•	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm])			

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

 $EIRP_{total} = PPSD_{total} + DG$

Refer as Appendix D

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3.5 Unwanted Emissions

3.5.1 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 Distan							
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 ELIT

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.

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Un-restricted band emissions above 1GHz Limit					
Operating Band	Operating Band Limit				
5.15 - 5.25 GHz e.i.r.p27 dBm [68.2 dBuV/m@3m]					
5.25 - 5.35 GHz	e.i.r.p27 dBm [68.2 dBuV/m@3m]				
5.47 - 5.725 GHz e.i.r.p27 dBm [68.2 dBuV/m@3m]					
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p27 dBm [68.2 dBuV/m@3m]				

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).

3.5.2 Measuring Instruments

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

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3.5.3 Test Procedures

Test Method

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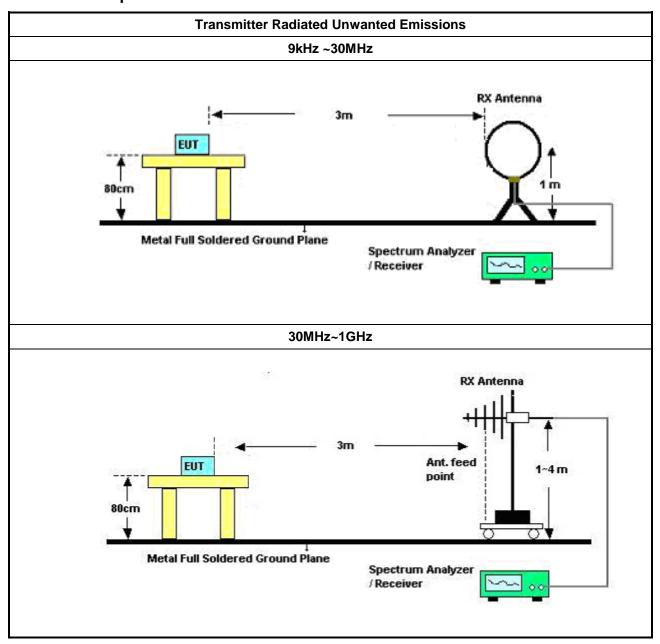
- Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
- The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
- For the transmitter unwanted emissions shall be measured using following options below:
 - Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
 - Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
 - Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
 - Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
- For radiated measurement.
 - Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
 - Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
 - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
- The any unwanted emissions level shall not exceed the fundamental emission level.
- All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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3.5.4 **Test Setup**

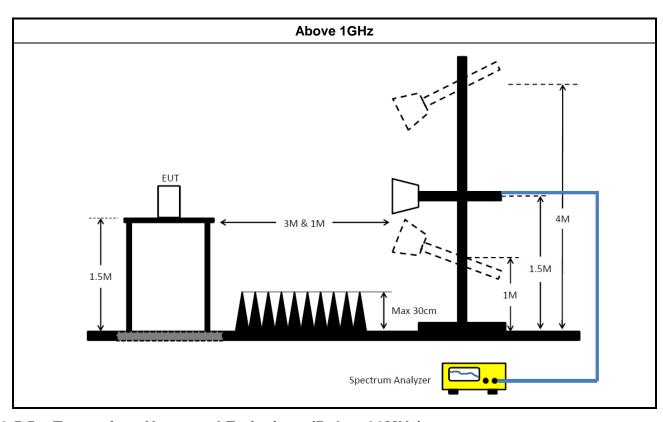


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3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

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4 Test Equipment and Calibration Data

Instrument for AC Conduction

and the for the contraction						
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	04/Nov/2019	05/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	12/Sep/2019	11/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

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NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No. Spec.		Calibration Date	Calibration Due Date	
Spectrum Analyzer	R&S	FSV 40	101029	10KHz ~ 40GHz	01/Oct/2019	30/Sep/2020	
Pulse Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	14/Mar/2019	13/Mar/2020	
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	14/Mar/2019	13/Mar/2020	
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020	

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FCC Test Report

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	04/Sep/2019	03/Sep/2020
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	07/Aug/2019	06/Aug/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	11/Oct/2019	10/Oct/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	29/Apr/2019	28/Apr/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020

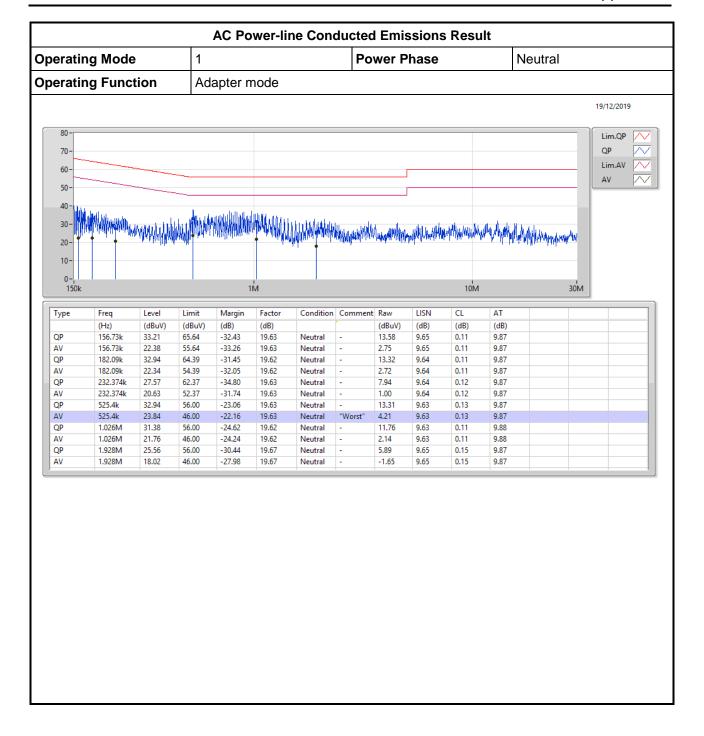
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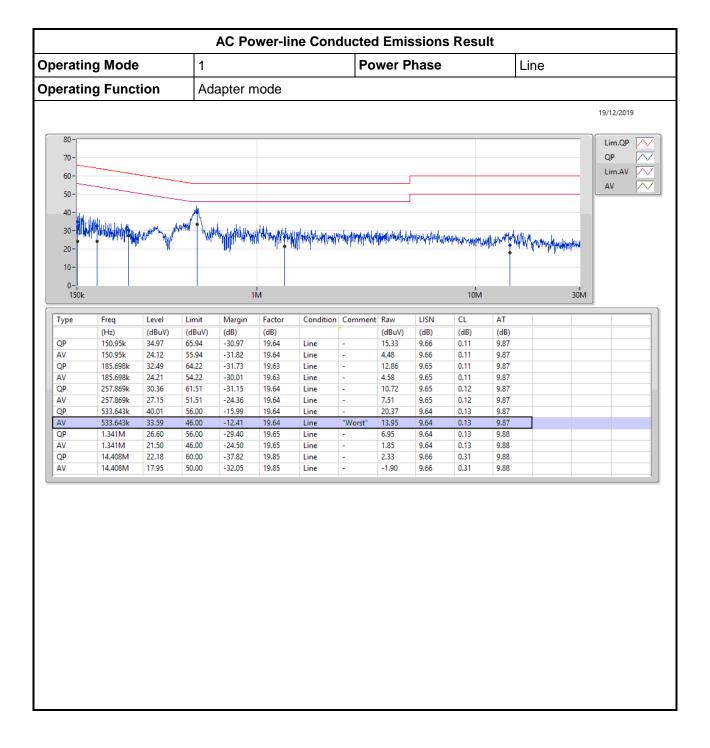
Report Template No.: HE1-D1 Ver2.4 Report Version : 01 FCC ID: 2AHGTA30103A



AC Power-line Conducted Emissions

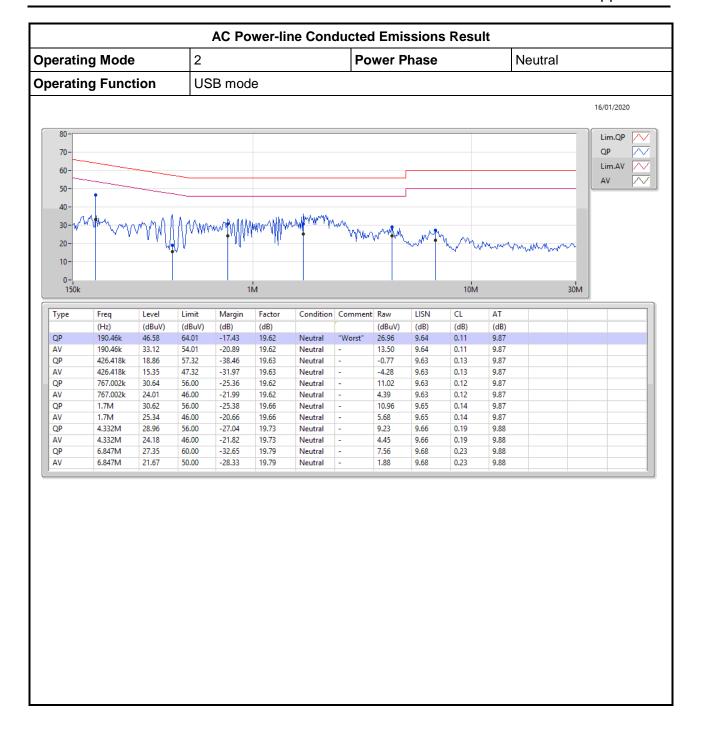




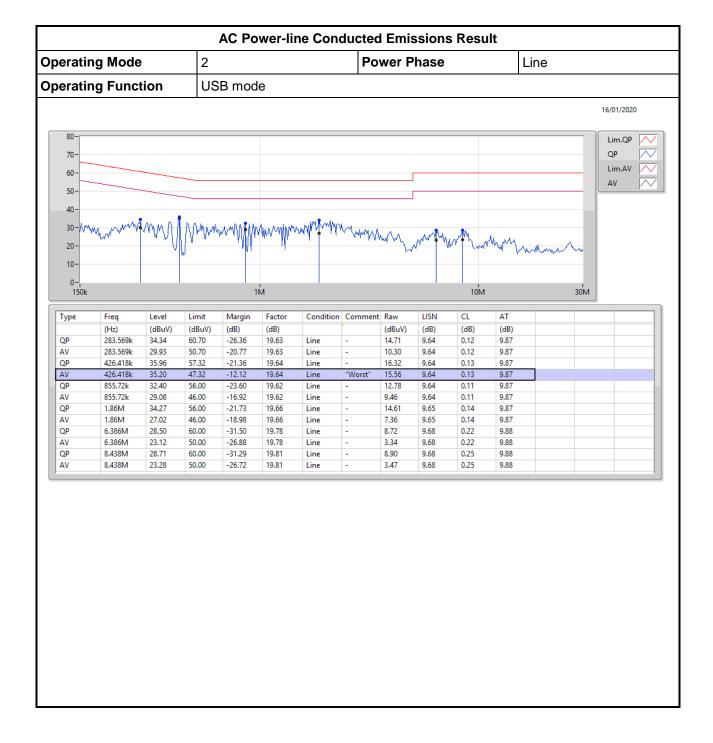




AC Power-line Conducted Emissions









Appendix B **EBW**

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	40.17M	20.42M	20M4D1D	22.83M	17.061M
802.11ac VHT20_Nss1,(MCS0)_2TX	38.04M	18.381M	18M4D1D	21.81M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	90.66M	37.421M	37M4D1D	40.92M	36.342M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.64M	75.802M	75M8D1D	82.92M	75.682M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	23.058M	23M1D1D	16.32M	17.361M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	22.729M	22M7D1D	17.55M	18.201M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.3M	47.676M	47M7D1D	36.3M	36.642M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.24M	77.361M	77M4D1D	75.24M	76.042M

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;

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EBW Appendix B

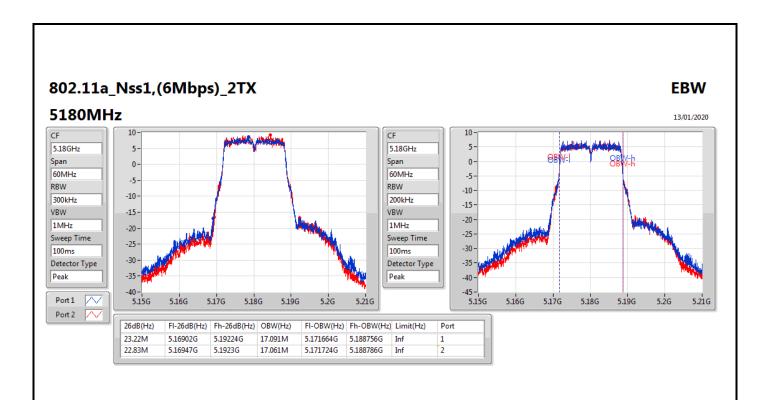
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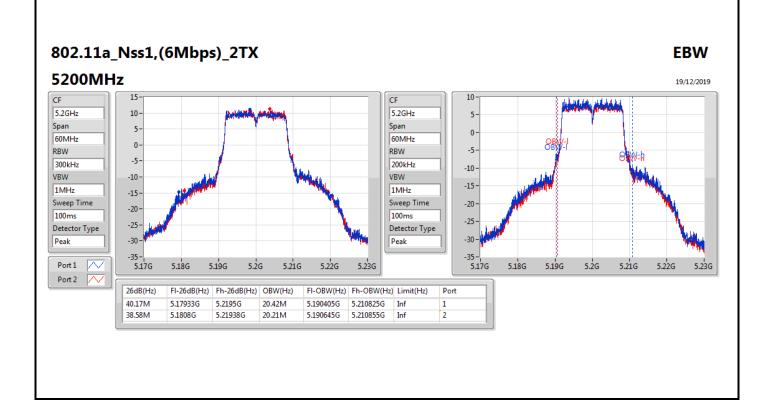
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.22M	17.091M	22.83M	17.061M
5200MHz	Pass	Inf	40.17M	20.42M	38.58M	20.21M
5240MHz	Pass	Inf	39.69M	17.601M	37.53M	17.961M
5745MHz	Pass	500k	16.32M	23.058M	16.35M	17.661M
5785MHz	Pass	500k	16.32M	19.73M	16.32M	17.451M
5825MHz	Pass	500k	16.32M	17.871M	16.32M	17.361M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.21M	18.081M	21.81M	17.991M
5200MHz	Pass	Inf	34.83M	18.291M	29.22M	18.381M
5240MHz	Pass	Inf	36.15M	17.631M	38.04M	18.351M
5745MHz	Pass	500k	17.55M	22.729M	17.55M	18.531M
5785MHz	Pass	500k	17.55M	20.03M	17.58M	18.291M
5825MHz	Pass	500k	17.58M	18.741M	17.55M	18.201M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.04M	36.462M	40.92M	36.342M
5230MHz	Pass	Inf	89.88M	37.421M	90.66M	37.001M
5755MHz	Pass	500k	36.3M	47.676M	36.3M	36.762M
5795MHz	Pass	500k	36.3M	38.501M	36.3M	36.642M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.64M	75.802M	82.92M	75.682M
5775MHz	Pass	500k	75.24M	77.361M	75.24M	76.042M

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;

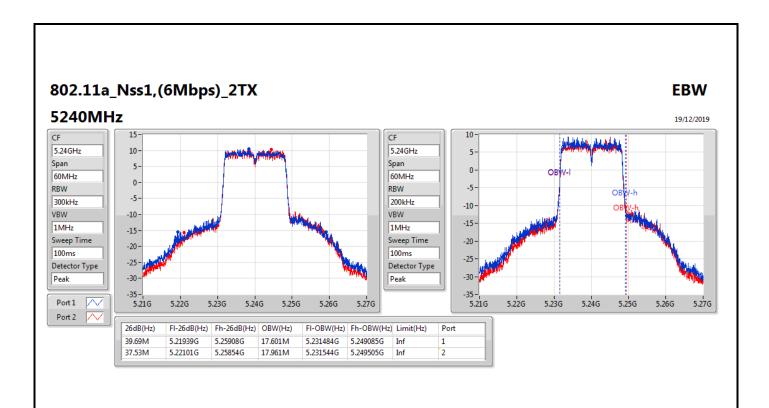
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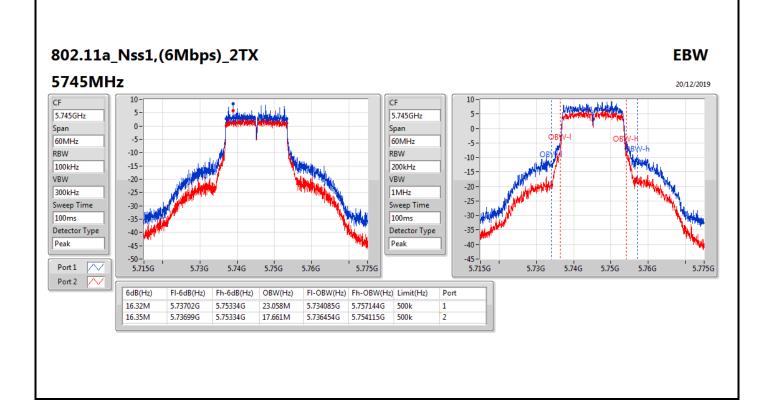
EBW Appendix B



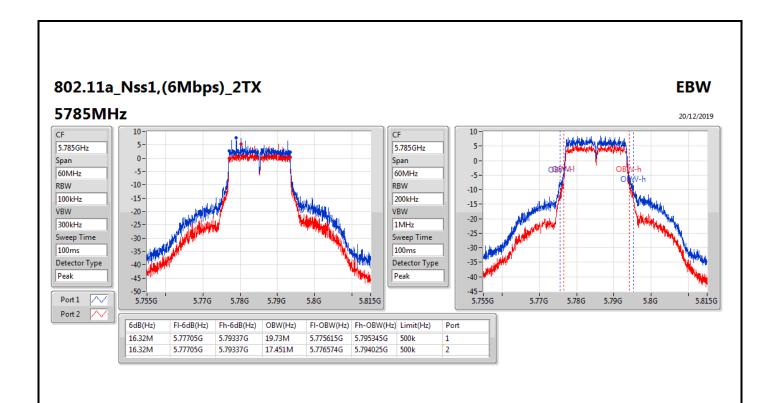


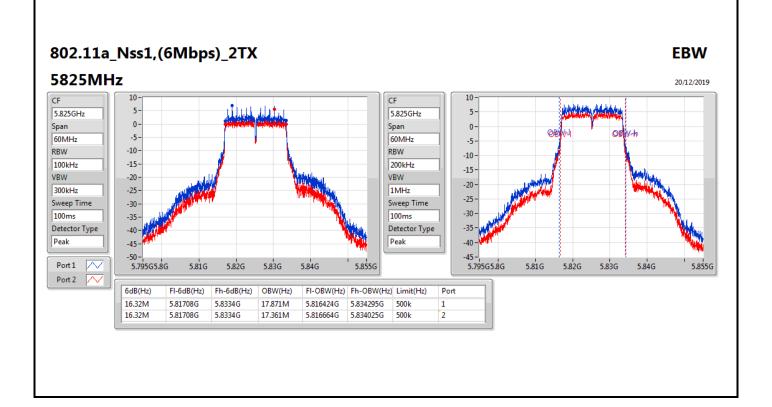
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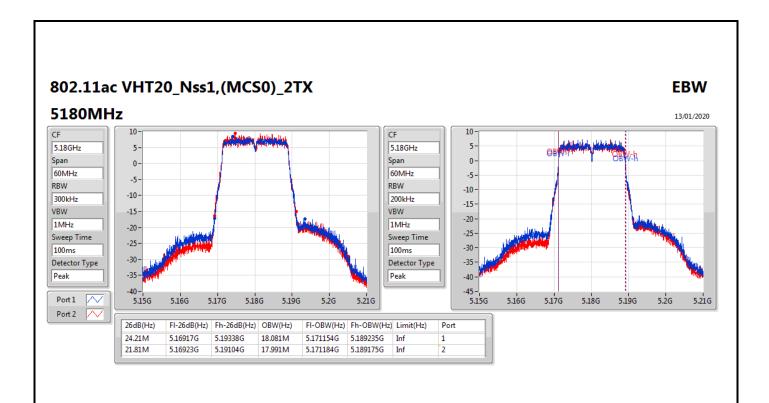


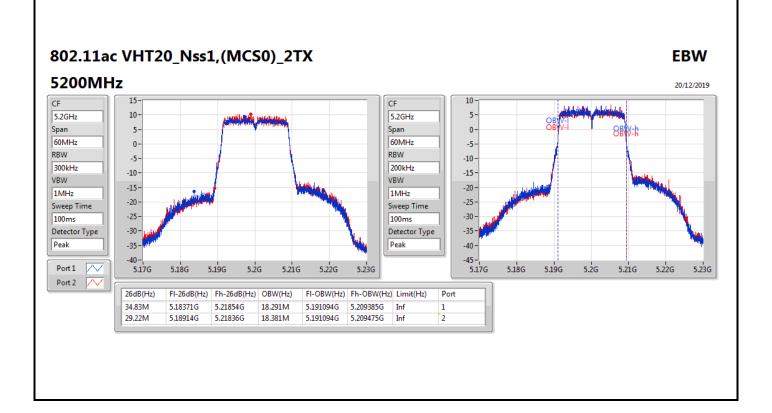
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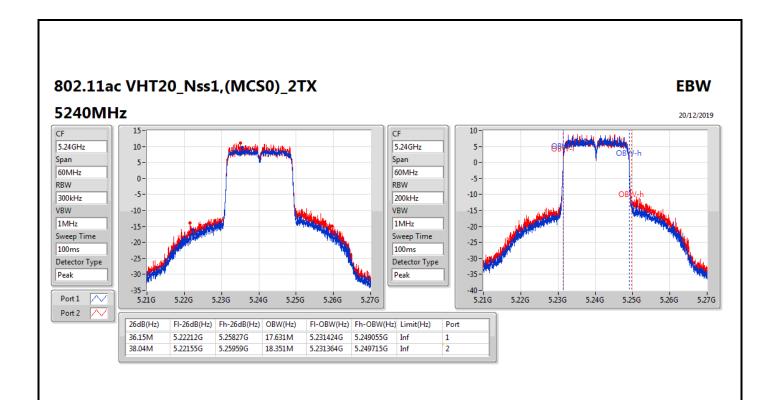


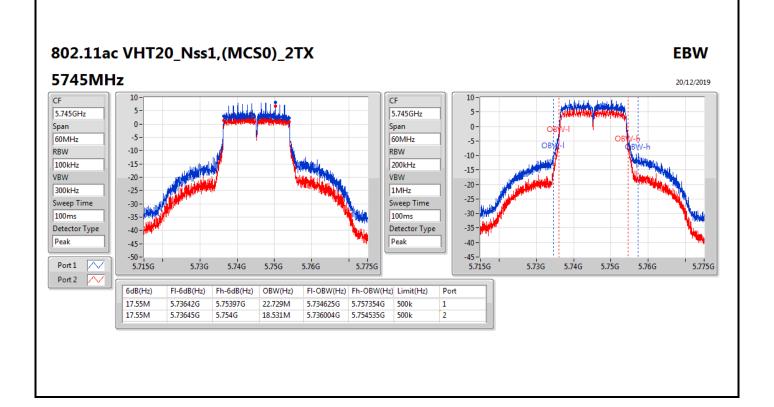
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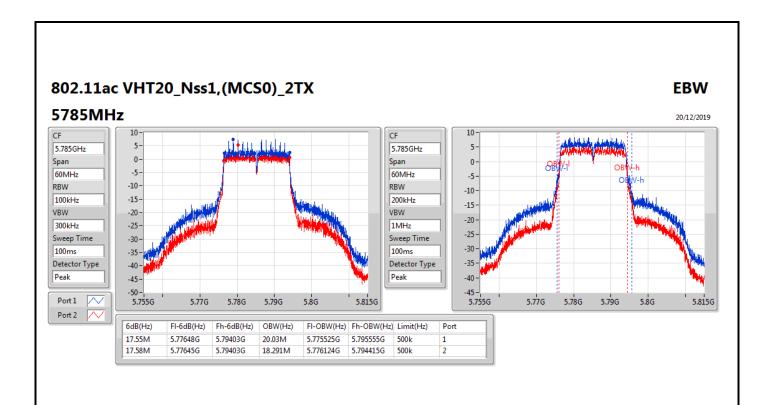


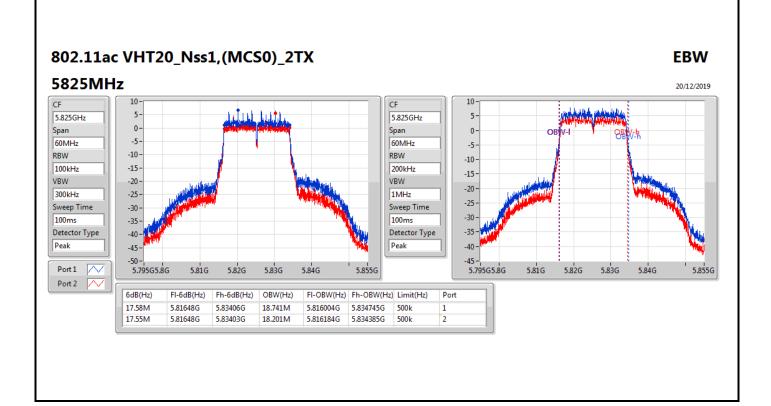
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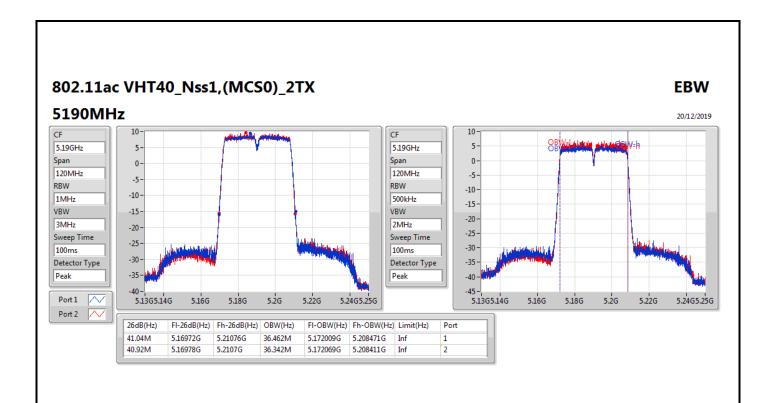


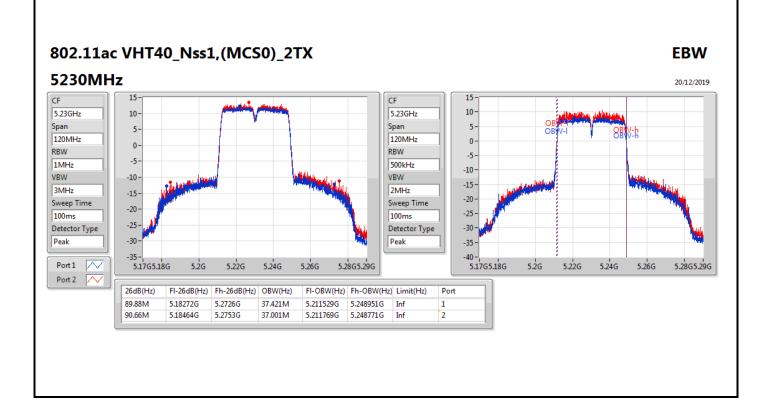
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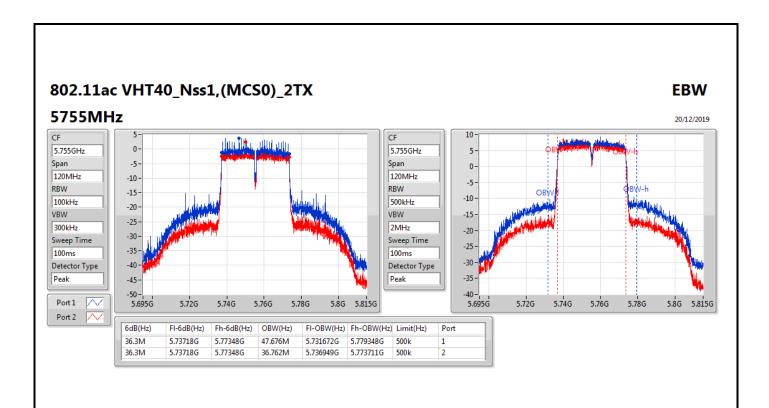


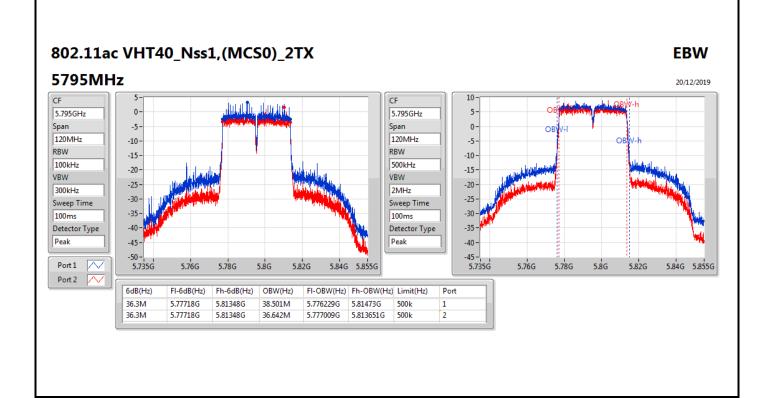
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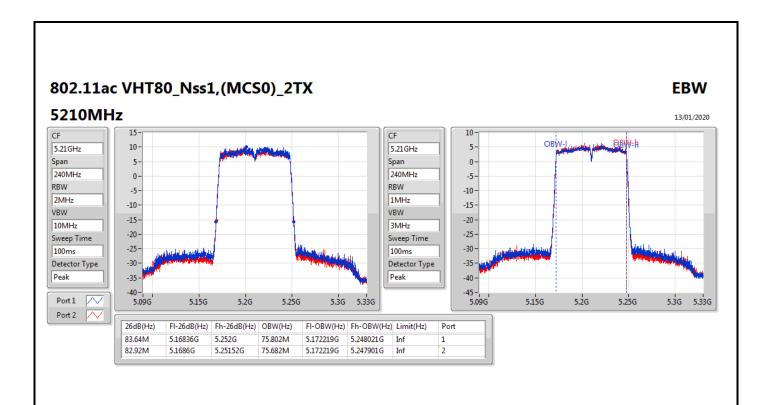


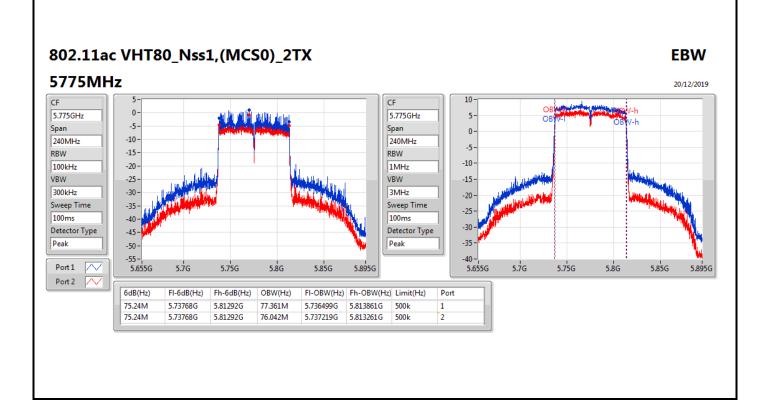
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Average Power Appendix C

Summary

Mode	Total Power	Total Power	EIRP	EIRP
	(dBm)	(W)	(dBm)	(W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.17	0.16482	24.35	0.27227
802.11ac VHT20_Nss1,(MCS0)_2TX	21.22	0.13243	23.40	0.21878
802.11ac VHT40_Nss1,(MCS0)_2TX	20.70	0.11749	22.88	0.19409
802.11ac VHT80_Nss1,(MCS0)_2TX	16.93	0.04932	19.11	0.08147
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.01	0.12618	23.14	0.20606
802.11ac VHT20_Nss1,(MCS0)_2TX	20.92	0.12359	23.05	0.20184
802.11ac VHT40_Nss1,(MCS0)_2TX	20.10	0.10233	22.23	0.16711
802.11ac VHT80_Nss1,(MCS0)_2TX	18.96	0.07870	21.09	0.12853

Average Power Appendix C

Result

Mode	Result	DG	Port 1	Port 2	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.18	17.15	17.30	20.24	23.98	22.42	30.00
5200MHz	Pass	2.18	19.23	19.09	22.17	23.98	24.35	30.00
5240MHz	Pass	2.18	18.84	18.57	21.72	23.98	23.90	30.00
5745MHz	Pass	2.13	18.78	17.06	21.01	30.00	23.14	36.00
5785MHz	Pass	2.13	18.16	16.28	20.33	30.00	22.46	36.00
5825MHz	Pass	2.13	17.66	16.06	19.94	30.00	22.07	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.18	17.05	16.99	20.03	23.98	22.21	30.00
5200MHz	Pass	2.18	17.80	17.86	20.84	23.98	23.02	30.00
5240MHz	Pass	2.18	18.08	18.34	21.22	23.98	23.40	30.00
5745MHz	Pass	2.13	18.68	16.98	20.92	30.00	23.05	36.00
5785MHz	Pass	2.13	18.02	16.20	20.21	30.00	22.34	36.00
5825MHz	Pass	2.13	17.66	15.90	19.88	30.00	22.01	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.18	14.92	14.32	17.64	23.98	19.82	30.00
5230MHz	Pass	2.18	17.56	17.81	20.70	23.98	22.88	30.00
5755MHz	Pass	2.13	17.83	16.20	20.10	30.00	22.23	36.00
5795MHz	Pass	2.13	17.33	15.64	19.58	30.00	21.71	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.18	14.13	13.69	16.93	23.98	19.11	30.00
5775MHz	Pass	2.13	16.72	15.02	18.96	30.00	21.09	36.00

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



Summary

Mode	PD	EIRP PD
	(dBm/RBW)	(dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.43	14.62
802.11ac VHT20_Nss1,(MCS0)_2TX	8.31	13.50
802.11ac VHT40_Nss1,(MCS0)_2TX	4.72	9.91
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.89	3.30
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.59	11.73
802.11ac VHT20_Nss1,(MCS0)_2TX	6.18	11.32
802.11ac VHT40_Nss1,(MCS0)_2TX	2.52	7.66
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.25	3.89

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

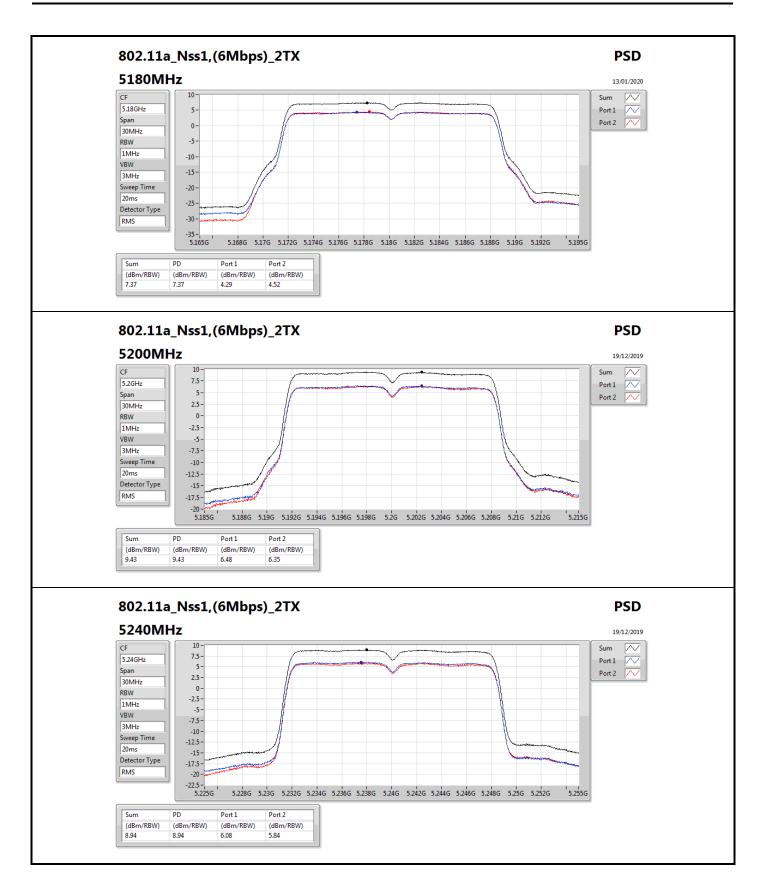


Appendix D **PSD**

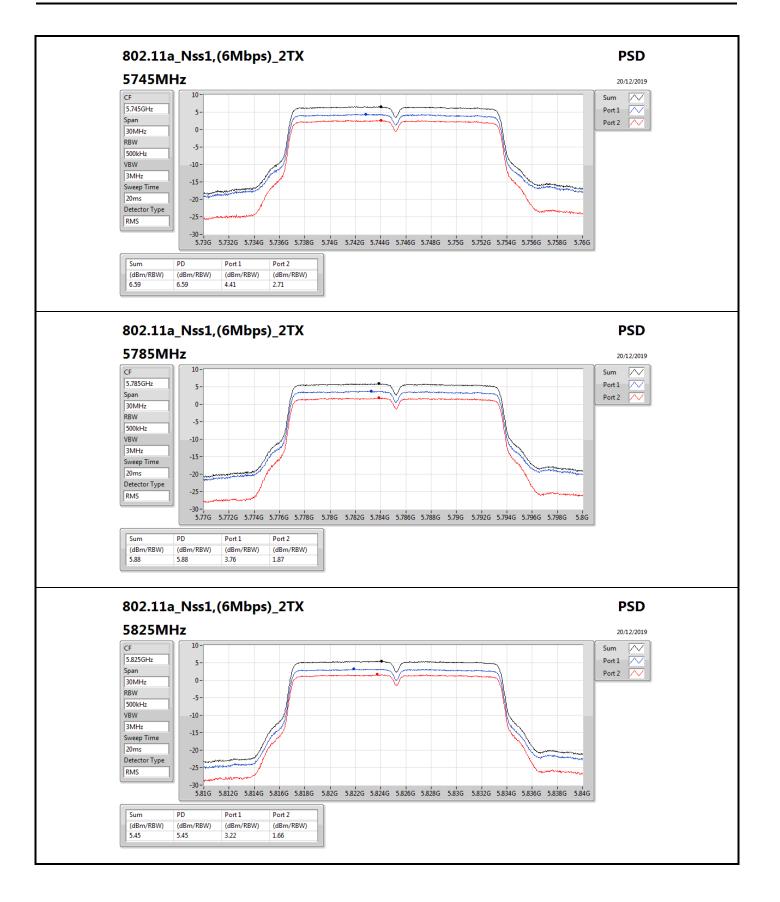
Result

Mode	Result	DG	Port 1	Port 2	PD	PD Limit	EIRP PD	EIRP PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.19	4.29	4.52	7.37	11.00	12.56	17.00
5200MHz	Pass	5.19	6.48	6.35	9.43	11.00	14.62	17.00
5240MHz	Pass	5.19	6.08	5.84	8.94	11.00	14.13	17.00
5745MHz	Pass	5.14	4.41	2.71	6.59	30.00	11.73	36.00
5785MHz	Pass	5.14	3.76	1.87	5.88	30.00	11.02	36.00
5825MHz	Pass	5.14	3.22	1.66	5.45	30.00	10.59	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.19	3.97	3.90	6.90	11.00	12.09	17.00
5200MHz	Pass	5.19	4.78	4.88	7.83	11.00	13.02	17.00
5240MHz	Pass	5.19	5.16	5.5	8.31	11.00	13.50	17.00
5745MHz	Pass	5.14	3.97	2.28	6.18	30.00	11.32	36.00
5785MHz	Pass	5.14	3.32	1.45	5.44	30.00	10.58	36.00
5825MHz	Pass	5.14	2.87	1.14	5.03	30.00	10.17	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.19	-1.27	-1.53	1.58	11.00	6.77	17.00
5230MHz	Pass	5.19	1.62	1.88	4.72	11.00	9.91	17.00
5755MHz	Pass	5.14	0.28	-1.4	2.52	30.00	7.66	36.00
5795MHz	Pass	5.14	-0.27	-2.01	1.89	30.00	7.03	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.19	-4.70	-5.08	-1.89	11.00	3.30	17.00
5775MHz	Pass	5.14	-3.27	-5.42	-1.25	30.00	3.89	36.00

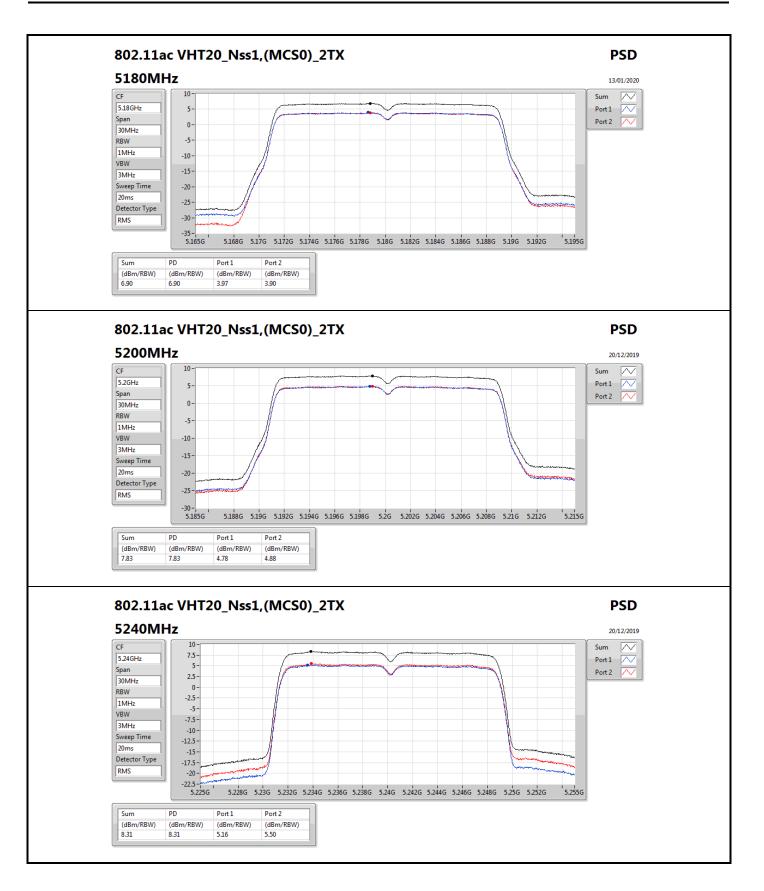
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

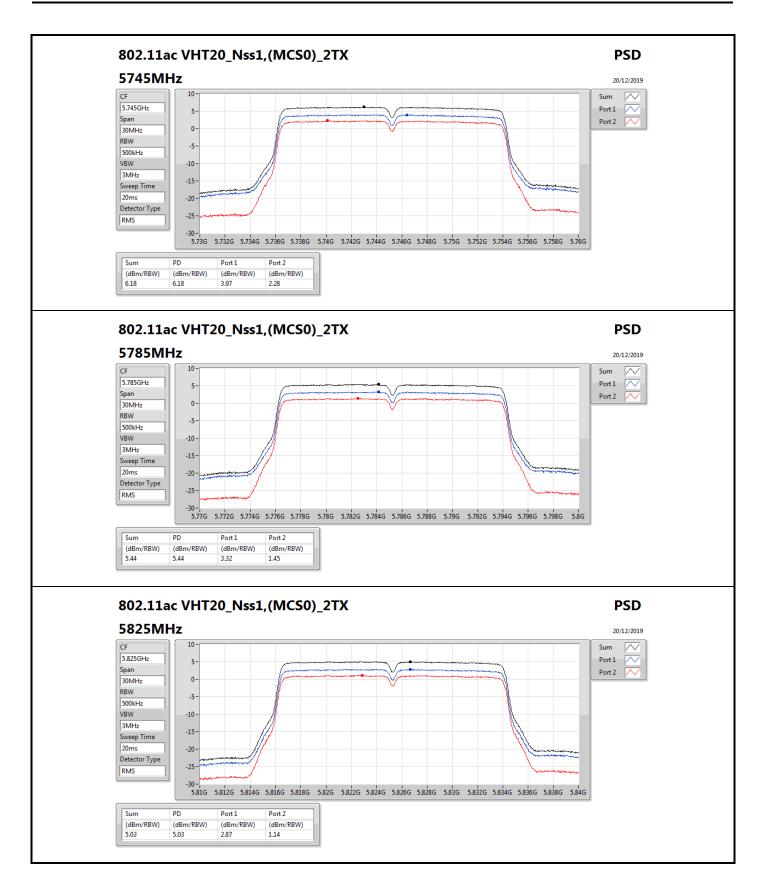


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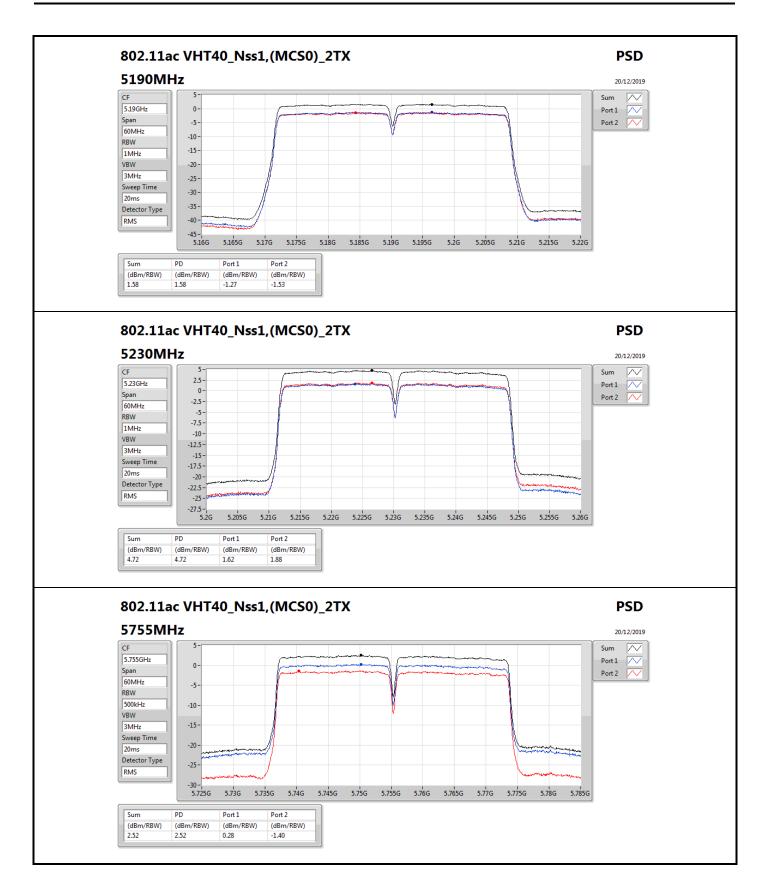


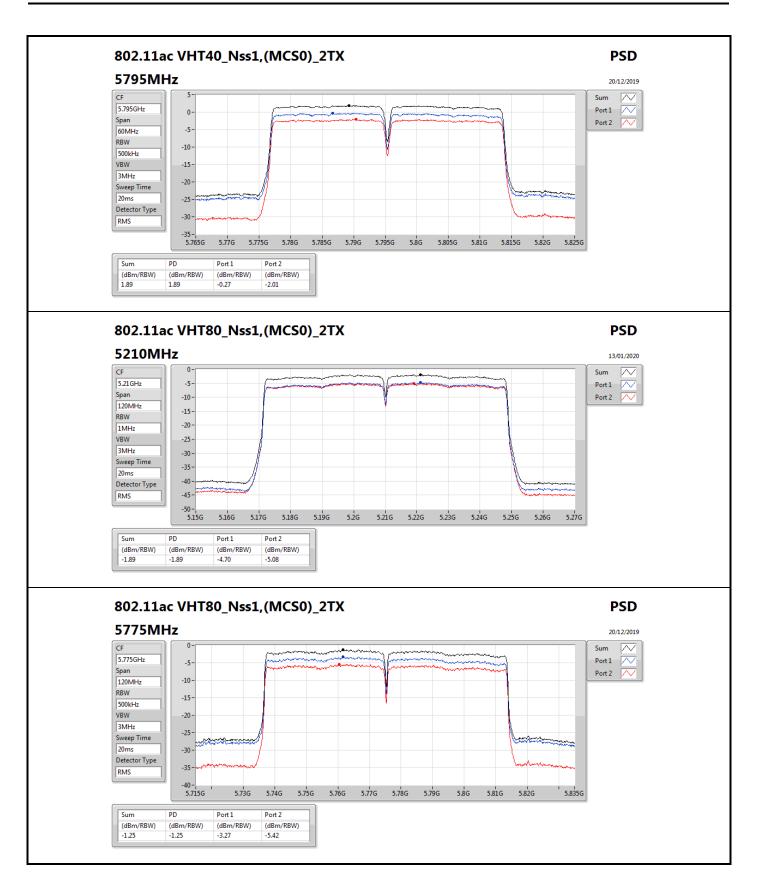
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RSE TX below 1GHz

Appendix E.1

Summary

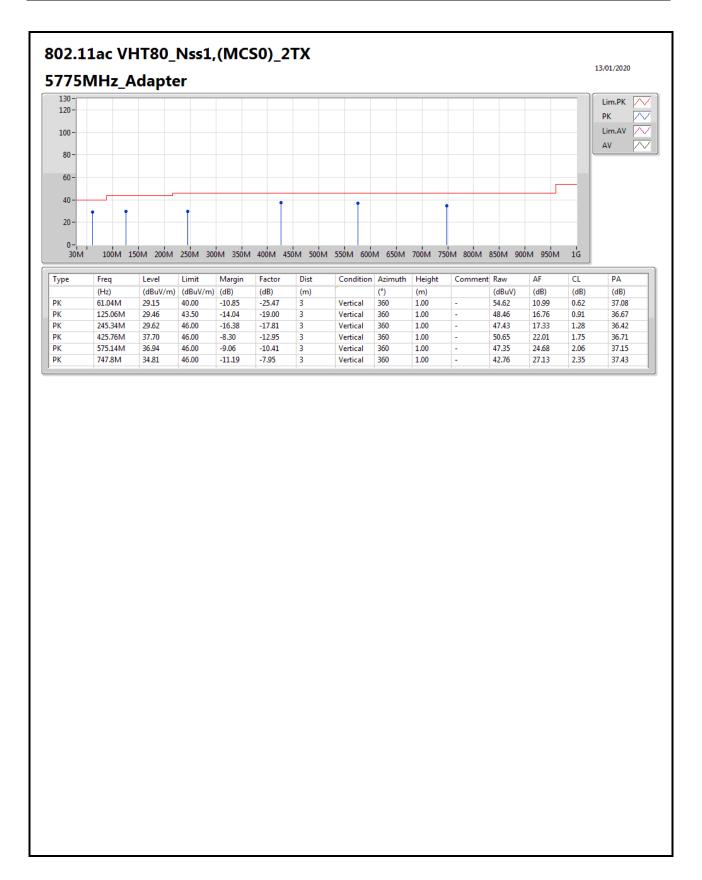
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	425.76M	40.53	46.00	-5.47	3	Horizontal	0	1.00	-

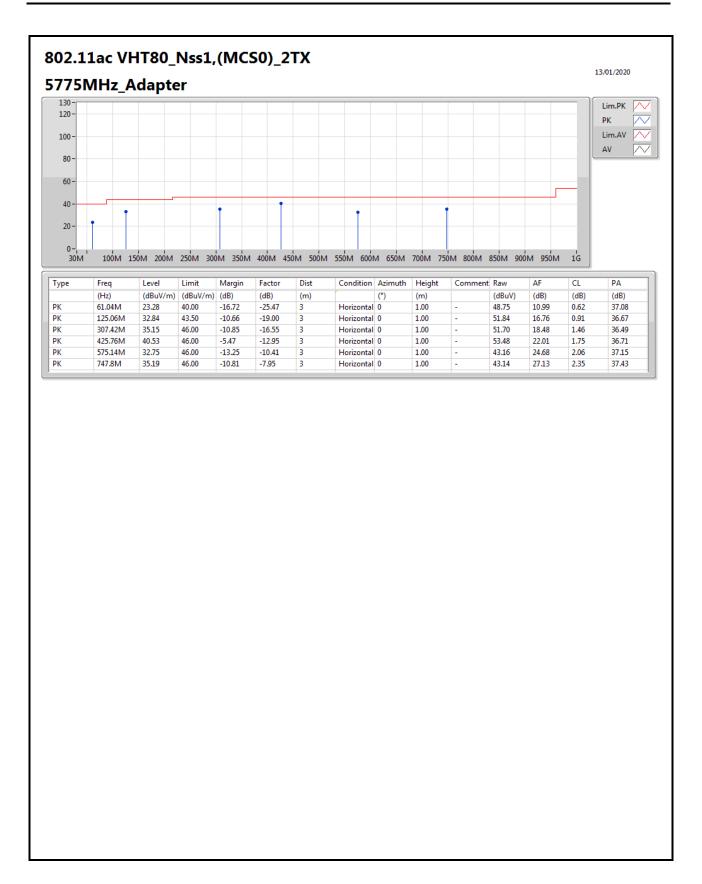
SPORTON INTERNATIONAL INC. Page No. : E1 of E6

Result

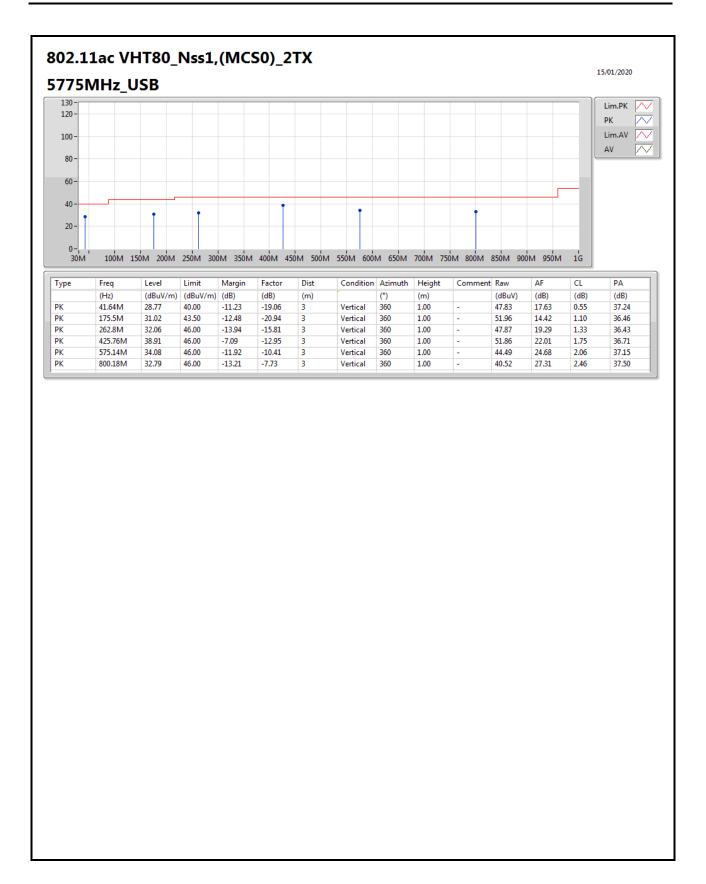
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	61.04M	29.15	40.00	-10.85	3	Vertical	360	1.00	-
5775MHz	Pass	PK	125.06M	29.46	43.50	-14.04	3	Vertical	360	1.00	-
5775MHz	Pass	PK	245.34M	29.62	46.00	-16.38	3	Vertical	360	1.00	-
5775MHz	Pass	PK	425.76M	37.70	46.00	-8.30	3	Vertical	360	1.00	-
5775MHz	Pass	PK	575.14M	36.94	46.00	-9.06	3	Vertical	360	1.00	-
5775MHz	Pass	PK	747.8M	34.81	46.00	-11.19	3	Vertical	360	1.00	-
5775MHz	Pass	PK	61.04M	23.28	40.00	-16.72	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	125.06M	32.84	43.50	-10.66	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	307.42M	35.15	46.00	-10.85	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	425.76M	40.53	46.00	-5.47	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	575.14M	32.75	46.00	-13.25	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	747.8M	35.19	46.00	-10.81	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	41.64M	28.77	40.00	-11.23	3	Vertical	360	1.00	-
5775MHz	Pass	PK	175.5M	31.02	43.50	-12.48	3	Vertical	360	1.00	-
5775MHz	Pass	PK	262.8M	32.06	46.00	-13.94	3	Vertical	360	1.00	-
5775MHz	Pass	PK	425.76M	38.91	46.00	-7.09	3	Vertical	360	1.00	-
5775MHz	Pass	PK	575.14M	34.08	46.00	-11.92	3	Vertical	360	1.00	-
5775MHz	Pass	PK	800.18M	32.79	46.00	-13.21	3	Vertical	360	1.00	-
5775MHz	Pass	PK	41.64M	33.16	40.00	-6.84	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	175.5M	35.86	43.50	-7.64	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	425.76M	40.04	46.00	-5.96	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	575.14M	37.35	46.00	-8.65	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	800.18M	34.99	46.00	-11.01	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	924.34M	34.62	46.00	-11.38	3	Horizontal	0	1.00	-

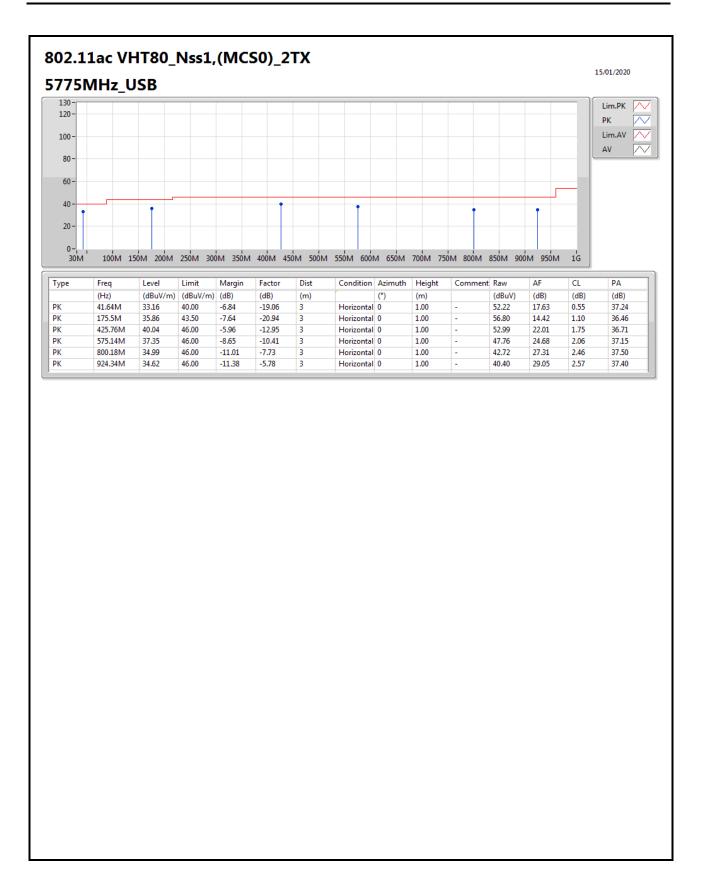






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Appendix E.2

Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1494G	53.70	54.00	-0.30	3	Horizontal	194	1.00	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.1484G	53.84	54.00	-0.16	3	Vertical	304	3.00	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.88	54.00	-0.12	3	Vertical	227	2.70	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.141G	53.38	54.00	-0.62	3	Vertical	302	2.96	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	11.66476G	47.30	54.00	-6.70	3	Horizontal	322	1.43	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.9714G	60.72	68.20	-7.48	3	Horizontal	331	2.92	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.6338G	61.89	68.20	-6.31	3	Vertical	232	3.00	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6454G	64.56	68.20	-3.64	3	Vertical	234	3.00	-

Appendix E.2

Result

Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
		,,,	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	_	-	-	-
5180MHz	Pass	AV	5.1486G	53.28	54.00	-0.72	3	Vertical	305	1.00	-
5180MHz	Pass	AV	5.183G	100.41	Inf	-Inf	3	Vertical	305	1.00	-
5180MHz	Pass	PK	5.1784G	109.91	Inf	-Inf	3	Vertical	305	1.00	-
5180MHz	Pass	PK	5.1486G	67.96	74.00	-6.04	3	Vertical	305	1.00	-
5180MHz	Pass	AV	5.1494G	53.70	54.00	-0.30	3	Horizontal	194	1.00	-
5180MHz	Pass	AV	5.1784G	97.61	Inf	-Inf	3	Horizontal	194	1.00	-
5180MHz	Pass	PK	5.148G	67.88	74.00	-6.12	3	Horizontal	194	1.00	-
5180MHz	Pass	PK	5.1784G	107.00	Inf	-Inf	3	Horizontal	194	1.00	-
5180MHz	Pass	PK	10.37428G	59.93	68.20	-8.27	3	Vertical	360	1.35	-
5180MHz	Pass	PK	10.36318G	59.98	68.20	-8.22	3	Horizontal	1	1.50	-
5200MHz	Pass	AV	5.1496G	49.66	54.00	-4.34	3	Vertical	230	2.60	-
5200MHz	Pass	AV	5.1992G	100.75	Inf	-Inf	3	Vertical	230	2.60	-
5200MHz	Pass	PK	5.1492G	62.52	74.00	-11.48	3	Vertical	230	2.60	-
5200MHz	Pass	PK	5.1988G	110.07	Inf	-Inf	3	Vertical	230	2.60	-
5200MHz	Pass	AV	5.1484G	48.88	54.00	-5.12	3	Horizontal	331	2.93	-
5200MHz	Pass	AV	5.1944G	99.32	Inf	-Inf	3	Horizontal	331	2.93	-
5200MHz	Pass	PK	5.1484G	61.33	74.00	-12.67	3	Horizontal	331	2.93	-
5200MHz	Pass	PK	5.1944G	108.78	Inf	-Inf	3	Horizontal	331	2.93	-
5200MHz	Pass	PK	10.38788G	59.94	68.20	-8.26	3	Vertical	92	2.42	-
5200MHz	Pass	PK	10.40354G	59.36	68.20	-8.84	3	Horizontal	271	1.25	-
5240MHz	Pass	AV	5.0918G	48.00	54.00	-6.00	3	Vertical	228	2.54	-
5240MHz	Pass	AV	5.2388G	101.40	Inf	-Inf	3	Vertical	228	2.54	-
5240MHz	Pass	AV	5.3888G	46.41	54.00	-7.59	3	Vertical	228	2.54	-
5240MHz	Pass	PK	5.0918G	60.54	74.00	-13.46	3	Vertical	228	2.54	-
5240MHz	Pass	PK	5.2388G	110.91	Inf	-Inf	3	Vertical	228	2.54	-
5240MHz	Pass	PK	5.3678G	59.15	74.00	-14.85	3	Vertical	228	2.54	-
5240MHz	Pass	AV	5.0936G	47.88	54.00	-6.12	3	Horizontal	327	2.11	-
5240MHz	Pass	AV	5.2334G	99.79	Inf	-Inf	3	Horizontal	327	2.11	-
5240MHz	Pass	AV	5.3876G	46.38	54.00	-7.62	3	Horizontal	327	2.11	-
5240MHz	Pass	PK	5.1212G	60.82	74.00	-13.18	3	Horizontal	327	2.11	-
5240MHz	Pass	PK	5.2388G	109.32	Inf	-Inf	3	Horizontal	327	2.11	-
5240MHz	Pass	PK	5.3702G	59.18	74.00	-14.82	3	Horizontal	327	2.11	-
5240MHz	Pass	PK	10.47538G	59.77	68.20	-8.43	3	Vertical	106	2.27	-
5240MHz	Pass	PK	10.49176G	59.31	68.20	-8.89	3	Horizontal	270	2.40	-
5745MHz	Pass	AV	5.7438G	99.88	Inf	-Inf	3	Vertical	233	2.52	-
5745MHz	Pass	PK	5.4858G	60.62	68.20	-7.58	3	Vertical	233	2.52	-
5745MHz	Pass	PK	5.7438G	109.02	Inf	-Inf	3	Vertical	233	2.52	-
5745MHz	Pass	PK	5.931G	60.59	68.20	-7.61	3	Vertical	233	2.52	-
5745MHz	Pass	AV	5.7498G	99.85	Inf	-Inf	3	Horizontal	326	3.00	-
5745MHz	Pass	PK	5.6502G	59.90	68.35	-8.45	3	Horizontal	326	3.00	-
5745MHz	Pass	PK	5.7498G	108.77	Inf	-Inf	3	Horizontal	326	3.00	-
5745MHz	Pass	PK	5.9814G	60.63	68.20	-7.57	3	Horizontal	326	3.00	-
5745MHz	Pass	AV	11.49594G	46.91	54.00	-7.09	3	Vertical	98	2.24	-
5745MHz	Pass	PK	11.49714G	59.80	74.00	-14.20	3	Vertical	98	2.24	-
5745MHz	Pass	AV	11.47758G	46.85	54.00	-7.15	3	Horizontal	262	2.19	-
5745MHz	Pass	PK	11.48766G	59.60	74.00	-14.40	3	Horizontal	262	2.19	-
5785MHz	Pass	AV	5.7886G	99.20	Inf	-Inf	3	Vertical	236	2.97	-



Appendix E.2

	_	1		1	T		T	1	1	T	1
Mode	Result	Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5785MHz	Pass	PK	5.5546G	59.91	68.20	-8.29	3	Vertical	236	2.97	-
5785MHz	Pass	PK	5.7838G	108.39	Inf	-Inf	3	Vertical	236	2.97	-
5785MHz	Pass	PK	5.9302G	60.33	68.20	-7.87	3	Vertical	236	2.97	-
5785MHz	Pass	AV	5.7898G	98.57	Inf	-Inf	3	Horizontal	329	3.00	-
5785MHz	Pass	PK	5.5582G	60.56	68.20	-7.64	3	Horizontal	329	3.00	-
5785MHz	Pass	PK	5.7898G	107.83	Inf	-Inf	3	Horizontal	329	3.00	-
5785MHz	Pass	PK	5.9794G	60.30	68.20	-7.90	3	Horizontal	329	3.00	-
5785MHz	Pass	AV	11.58122G	46.67	54.00	-7.33	3	Vertical	123	1.74	-
5785MHz	Pass	PK	11.58458G	60.08	74.00	-13.92	3	Vertical	123	1.74	-
5785MHz	Pass	AV	11.5589G	46.73	54.00	-7.27	3	Horizontal	141	2.19	-
5785MHz	Pass	PK	11.57132G	60.26	74.00	-13.74	3	Horizontal	141	2.19	-
5825MHz	Pass	AV	5.819G	99.32	Inf	-Inf	3	Vertical	231	2.45	-
5825MHz	Pass	PK	5.591G	61.06	68.20	-7.14	3	Vertical	231	2.45	-
5825MHz	Pass	PK	5.8238G	108.46	Inf	-Inf	3	Vertical	231	2.45	-
5825MHz	Pass	PK	5.939G	60.84	68.20	-7.36	3	Vertical	231	2.45	-
5825MHz	Pass	AV	5.8202G	98.57	Inf	-Inf	3	Horizontal	333	2.96	-
5825MHz	Pass	PK	5.6006G	59.60	68.20	-8.60	3	Horizontal	333	2.96	-
5825MHz	Pass	PK	5.819G	107.18	Inf	-Inf	3	Horizontal	333	2.96	_
5825MHz	Pass	PK	5.981G	60.80	68.20	-7.40	3	Horizontal	333	2.96	_
5825MHz	Pass	AV	11.64796G	47.14	54.00	-6.86	3	Vertical	58	2.20	-
5825MHz	Pass	PK	11.64466G	60.32	74.00	-13.68	3	Vertical	58	2.20	_
5825MHz	Pass	AV	11.66476G	47.30		-6.70	3		322	1.43	-
					54.00			Horizontal			-
5825MHz	Pass	PK	11.63704G	60.70	74.00	-13.30	3	Horizontal	322	1.43	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-			-		-	-	-		-	-
5180MHz	Pass	AV	5.1484G	53.84	54.00	-0.16	3	Vertical	304	3.00	-
5180MHz	Pass	AV	5.1734G	99.37	Inf	-Inf	3	Vertical	304	3.00	-
5180MHz	Pass	PK	5.1484G	69.09	74.00	-4.91	3	Vertical	304	3.00	-
5180MHz	Pass	PK	5.1758G	110.53	Inf	-Inf	3	Vertical	304	3.00	-
5180MHz	Pass	AV	5.1494G	51.65	54.00	-2.35	3	Horizontal	195	1.00	-
5180MHz	Pass	AV	5.1792G	95.89	Inf	-Inf	3	Horizontal	195	1.00	-
5180MHz	Pass	PK	5.1478G	65.42	74.00	-8.58	3	Horizontal	195	1.00	-
5180MHz	Pass	PK	5.177G	105.87	Inf	-Inf	3	Horizontal	195	1.00	-
5180MHz	Pass	PK	10.3616G	59.60	68.20	-8.60	3	Vertical	263	1.50	-
5180MHz	Pass	PK	10.35968G	60.06	68.20	-8.14	3	Horizontal	153	1.50	-
5200MHz	Pass	AV	5.15G	50.99	54.00	-3.01	3	Vertical	228	2.60	-
5200MHz	Pass	AV	5.1972G	100.88	Inf	-Inf	3	Vertical	228	2.60	-
5200MHz	Pass	PK	5.1484G	65.07	74.00	-8.93	3	Vertical	228	2.60	-
5200MHz	Pass	PK	5.198G	111.17	Inf	-Inf	3	Vertical	228	2.60	-
5200MHz	Pass	AV	5.15G	49.70	54.00	-4.30	3	Horizontal	336	2.94	-
5200MHz	Pass	AV	5.1948G	98.88	Inf	-Inf	3	Horizontal	336	2.94	-
5200MHz	Pass	PK	5.1496G	63.23	74.00	-10.77	3	Horizontal	336	2.94	-
5200MHz	Pass	PK	5.2028G	109.50	Inf	-Inf	3	Horizontal	336	2.94	-
5200MHz	Pass	PK	10.402G	59.76	68.20	-8.44	3	Vertical	283	1.15	-
5200MHz	Pass	PK	10.39963G	59.66	68.20	-8.54	3	Horizontal	342	2.10	-
5240MHz	Pass	AV	5.0996G	47.63	54.00	-6.37	3	Vertical	227	2.55	-
5240MHz	Pass	AV	5.2418G	101.02	Inf	-Inf	3	Vertical	227	2.55	-
5240MHz	Pass	AV	5.3864G	46.01	54.00	-7.99	3	Vertical	227	2.55	-
5240MHz	Pass	PK	5.1158G	61.03	74.00	-12.97	3	Vertical	227	2.55	-
5240MHz	Pass	PK	5.2442G	110.99	Inf	-Inf	3	Vertical	227	2.55	-
	. 200						L				L



Appendix E.2

Mada	D#	T	F	11	1.514	M 1 -	Di-4	0 1141	A _!4l-	11-1-64	0
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
	_		(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5240MHz	Pass	PK	5.3636G	59.90	74.00	-14.10	3	Vertical	227	2.55	-
5240MHz	Pass	AV	5.0996G	47.51	54.00	-6.49	3	Horizontal	328	2.11	-
5240MHz	Pass	AV	5.2346G	99.11	Inf	-Inf	3	Horizontal	328	2.11	-
5240MHz	Pass	AV	5.3876G	45.95	54.00	-8.05	3	Horizontal	328	2.11	-
5240MHz	Pass	PK	5.1488G	61.44	74.00	-12.56	3	Horizontal	328	2.11	-
5240MHz	Pass	PK	5.237G	109.13	Inf	-Inf	3	Horizontal	328	2.11	-
5240MHz	Pass	PK	5.3624G	59.88	74.00	-14.12	3	Horizontal	328	2.11	-
5240MHz	Pass	PK	10.47811G	59.94	68.20	-8.26	3	Vertical	130	2.40	-
5240MHz	Pass	PK	10.47768G	59.59	68.20	-8.61	3	Horizontal	176	2.54	-
5745MHz	Pass	AV	5.7474G	99.98	Inf	-Inf	3	Vertical	234	3.00	-
5745MHz	Pass	PK	5.571G	60.23	68.20	-7.97	3	Vertical	234	3.00	-
5745MHz	Pass	PK	5.7438G	109.88	Inf	-Inf	3	Vertical	234	3.00	-
5745MHz	Pass	PK	5.961G	60.44	68.20	-7.76	3	Vertical	234	3.00	-
5745MHz	Pass	AV	5.7474G	99.67	Inf	-Inf	3	Horizontal	324	3.00	-
5745MHz	Pass	PK	5.487G	60.27	68.20	-7.93	3	Horizontal	324	3.00	-
5745MHz	Pass	PK	5.7402G	109.90	Inf	-Inf	3	Horizontal	324	3.00	-
5745MHz	Pass	PK	5.9298G	60.27	68.20	-7.93	3	Horizontal	324	3.00	-
5745MHz	Pass	AV	11.49215G	46.45	54.00	-7.55	3	Vertical	310	1.23	-
5745MHz	Pass	PK	11.48911G	60.55	74.00	-13.45	3	Vertical	310	1.23	-
5745MHz	Pass	AV	11.49044G	46.45	54.00	-7.55	3	Horizontal	152	1.50	-
5745MHz	Pass	PK	11.48845G	60.38	74.00	-13.62	3	Horizontal	152	1.50	-
5785MHz	Pass	AV	5.7826G	98.91	Inf	-Inf	3	Vertical	231	3.00	-
5785MHz	Pass	PK	5.5078G	60.14	68.20	-8.06	3	Vertical	231	3.00	-
5785MHz	Pass	PK	5.7898G	108.68	Inf	-Inf	3	Vertical	231	3.00	-
5785MHz	Pass	PK	5.9434G	60.35	68.20	-7.85	3	Vertical	231	3.00	-
5785MHz	Pass	AV	5.7898G	98.75	Inf	-Inf	3	Horizontal	325	3.00	-
5785MHz	Pass	PK	5.5402G	60.04	68.20	-8.16	3	Horizontal	325	3.00	-
5785MHz	Pass	PK	5.7874G	108.25	Inf	-Inf	3	Horizontal	325	3.00	-
5785MHz	Pass	PK	5.953G	60.55	68.20	-7.65	3	Horizontal	325	3.00	-
5785MHz	Pass	AV	11.57149G	46.28	54.00	-7.72	3	Vertical	134	1.50	-
5785MHz	Pass	PK	11.57097G	60.38	74.00	-13.62	3	Vertical	134	1.50	-
5785MHz	Pass	AV	11.57224G	46.27	54.00	-7.73	3	Horizontal	257	1.50	-
5785MHz	Pass	PK	11.56986G	60.48	74.00	-13.52	3	Horizontal	257	1.50	-
5825MHz	Pass	AV	5.8226G	98.61	Inf	-Inf	3	Vertical	233	2.93	-
5825MHz	Pass	PK	5.5898G	59.88	68.20	-8.32	3	Vertical	233	2.93	-
5825MHz	Pass	PK	5.8202G	108.36	Inf	-Inf	3	Vertical	233	2.93	-
5825MHz	Pass	PK	5.9474G	60.51	68.20	-7.69	3	Vertical	233	2.93	-
5825MHz	Pass	AV	5.8202G	97.79	Inf	-Inf	3	Horizontal	331	2.92	-
5825MHz	Pass	PK	5.609G	60.51	68.20	-7.69	3	Horizontal	331	2.92	-
5825MHz	Pass	PK	5.8226G	108.35	Inf	-Inf	3	Horizontal	331	2.92	-
5825MHz	Pass	PK	5.9714G	60.72	68.20	-7.48	3	Horizontal	331	2.92	-
5825MHz	Pass	AV	11.64929G	46.47	54.00	-7.53	3	Vertical	254	1.50	-
5825MHz	Pass	PK	11.65237G	60.59	74.00	-13.41	3	Vertical	254	1.50	-
5825MHz	Pass	AV	11.64813G	46.44	54.00	-7.56	3	Horizontal	216	1.50	-
5825MHz	Pass	PK	11.65032G	60.46	74.00	-13.54	3	Horizontal	216	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	53.88	54.00	-0.12	3	Vertical	227	2.70	-
5190MHz	Pass	AV	5.1848G	93.12	Inf	-Inf	3	Vertical	227	2.70	-
5190MHz	Pass	PK	5.1416G	69.01	74.00	-4.99	3	Vertical	227	2.70	-
3130WH IZ	1 000	111	0.17100	JJ.U I	7.00	T.UJ	J	* OI WOOI	441	2.10	1



Appendix E.2

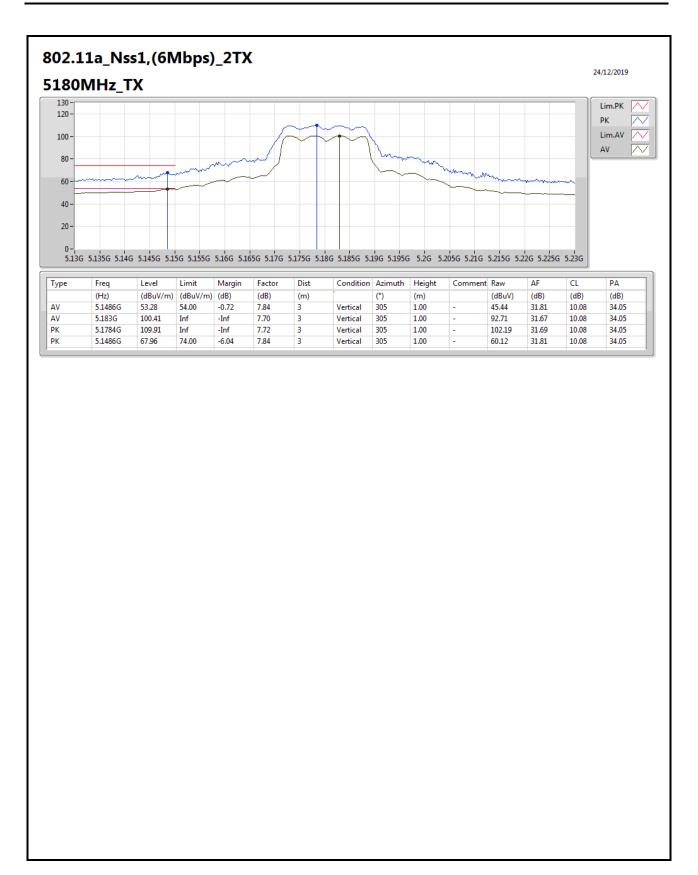
M. J.	D It	T	F	11	1.514	Manada	Di-4	0 1111	A = ! 4!-	II-I-I-	
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
	_		(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5190MHz	Pass	PK	5.1952G	103.23	Inf	-Inf	3	Vertical	227	2.70	-
5190MHz	Pass	AV	5.15G	53.29	54.00	-0.71	3	Horizontal	336	3.00	-
5190MHz	Pass	AV	5.1948G	91.96	Inf	-Inf	3	Horizontal	336	3.00	-
5190MHz	Pass	PK	5.1452G	66.96	74.00	-7.04	3	Horizontal	336	3.00	-
5190MHz	Pass	PK	5.1948G	102.43	Inf	-Inf	3	Horizontal	336	3.00	-
5190MHz	Pass	PK	10.37771G	60.36	68.20	-7.84	3	Vertical	82	1.49	-
5190MHz	Pass	PK	10.37855G	59.88	68.20	-8.32	3	Horizontal	320	2.81	-
5230MHz	Pass	AV	5.15G	51.29	54.00	-2.71	3	Vertical	229	2.54	-
5230MHz	Pass	AV	5.2372G	97.12	Inf	-Inf	3	Vertical	229	2.54	-
5230MHz	Pass	PK	5.1492G	64.29	74.00	-9.71	3	Vertical	229	2.54	-
5230MHz	Pass	PK	5.2392G	108.23	Inf	-Inf	3	Vertical	229	2.54	-
5230MHz	Pass	AV	5.1496G	50.08	54.00	-3.92	3	Horizontal	327	2.09	-
5230MHz	Pass	AV	5.2344G	94.99	Inf	-Inf	3	Horizontal	327	2.09	-
5230MHz	Pass	PK	5.1424G	62.35	74.00	-11.65	3	Horizontal	327	2.09	-
5230MHz	Pass	PK	5.2268G	106.31	Inf	-Inf	3	Horizontal	327	2.09	-
5230MHz	Pass	PK	10.4595G	59.70	68.20	-8.50	3	Vertical	359	1.26	-
5230MHz	Pass	PK	10.45982G	59.94	68.20	-8.26	3	Horizontal	77	2.71	-
5755MHz	Pass	AV	5.749G	97.23	Inf	-Inf	3	Vertical	232	3.00	-
5755MHz	Pass	PK	5.6338G	61.89	68.20	-6.31	3	Vertical	232	3.00	-
5755MHz	Pass	PK	5.7466G	108.22	Inf	-Inf	3	Vertical	232	3.00	-
5755MHz	Pass	PK	5.9542G	60.53	68.20	-7.67	3	Vertical	232	3.00	-
5755MHz	Pass	AV	5.7502G	97.71	Inf	-Inf	3	Horizontal	322	3.00	-
5755MHz	Pass	PK	5.6338G	61.77	68.20	-6.43	3	Horizontal	322	3.00	-
5755MHz	Pass	PK	5.7466G	107.87	Inf	-Inf	3	Horizontal	322	3.00	-
5755MHz	Pass	PK	5.9842G	61.53	68.20	-6.67	3	Horizontal	322	3.00	-
5755MHz	Pass	AV	11.51137G	46.35	54.00	-7.65	3	Vertical	90	1.30	-
5755MHz	Pass	PK	11.50923G	60.50	74.00	-13.50	3	Vertical	90	1.30	-
5755MHz	Pass	AV	11.51214G	46.37	54.00	-7.63	3	Horizontal	298	1.50	-
5755MHz	Pass	PK	11.50846G	60.14	74.00	-13.86	3	Horizontal	298	1.50	-
5795MHz	Pass	AV	5.7902G	95.78	Inf	-Inf	3	Vertical	233	3.00	-
5795MHz	Pass	PK	5.6486G	60.22	68.20	-7.98	3	Vertical	233	3.00	-
5795MHz	Pass	PK	5.783G	105.89	Inf	-Inf	3	Vertical	233	3.00	-
5795MHz	Pass	PK	5.9294G	61.47	68.20	-6.73	3	Vertical	233	3.00	-
5795MHz	Pass	AV	5.7902G	95.45	Inf	-Inf	3	Horizontal	324	3.00	-
5795MHz	Pass	PK	5.5982G	60.18	68.20	-8.02	3	Horizontal	324	3.00	-
5795MHz	Pass	PK	5.7818G	105.62	Inf	-Inf	3	Horizontal	324	3.00	-
5795MHz	Pass	PK	5.9618G	60.93	68.20	-7.27	3	Horizontal	324	3.00	
5795MHz	Pass	AV	11.58815G	46.36	54.00	-7.64	3	Vertical	37	1.19	-
5795MHz	Pass	PK	11.59006G	60.77	74.00	-13.23	3	Vertical	37	1.19	-
5795MHz	Pass	AV	11.5898G	46.35	54.00	-7.65	3	Horizontal	337	1.50	-
5795MHz	Pass	PK	11.5884G	61.01	74.00	-12.99	3	Horizontal	337	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.141G	53.38	54.00	-0.62	3	Vertical	302	2.96	-
5210MHz	Pass	AV	5.196G	91.68	Inf	-Inf	3	Vertical	302	2.96	-
5210MHz	Pass	AV	5.446G	47.73	54.00	-6.27	3	Vertical	302	2.96	-
5210MHz	Pass	PK	5.138G	64.04	74.00	-9.96	3	Vertical	302	2.96	-
5210MHz	Pass	PK	5.206G	100.05	Inf	-Inf	3	Vertical	302	2.96	-
5210MHz	Pass	PK	5.424G	59.36	74.00	-14.64	3	Vertical	302	2.96	-
5210MHz	Pass	AV	5.147G	51.35	54.00	-2.65	3	Horizontal	195	1.00	-



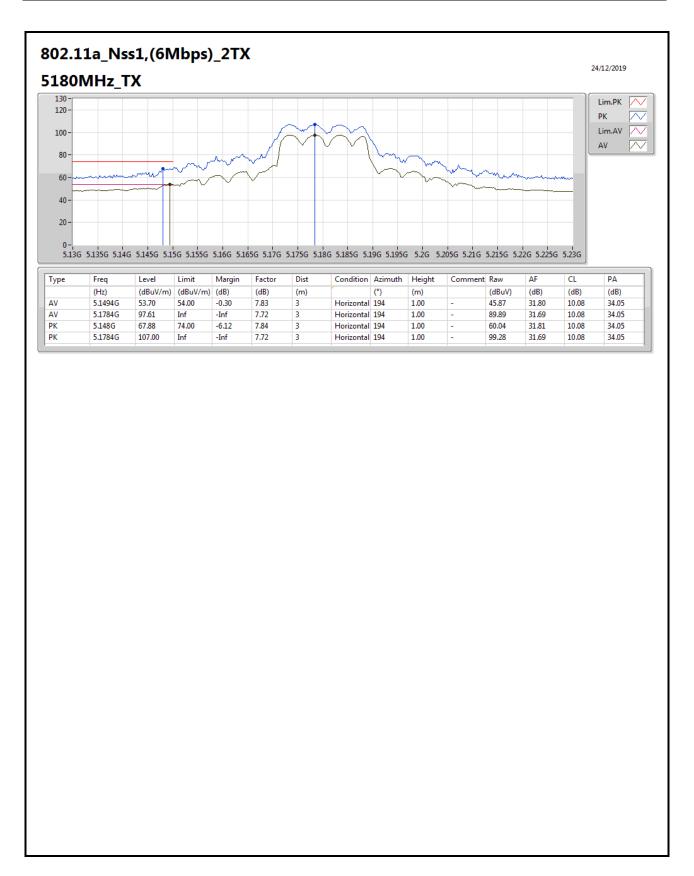
Appendix E.2

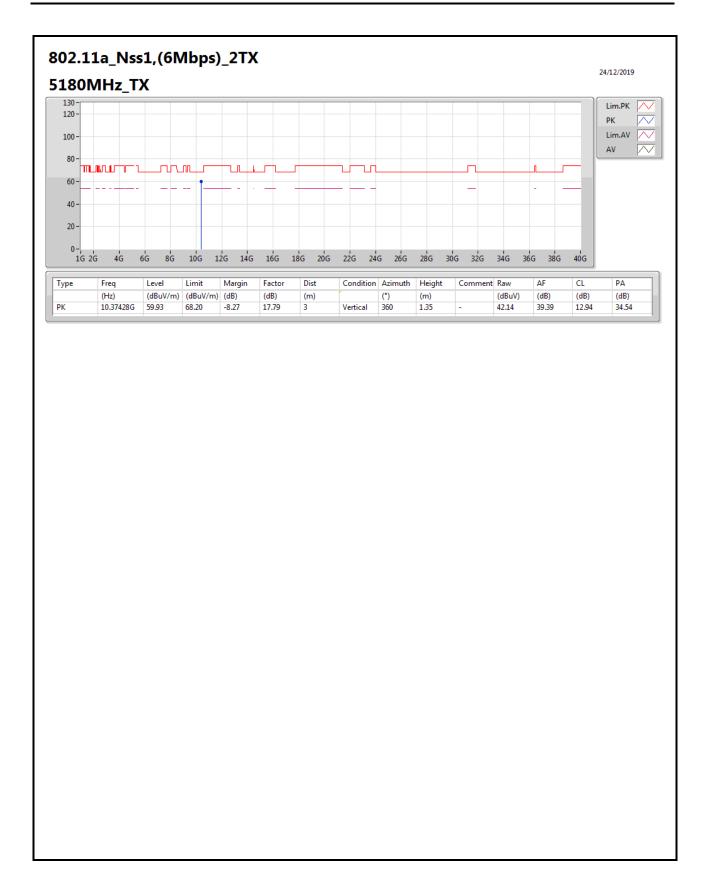
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5210MHz	Pass	AV	5.225G	88.03	Inf	-Inf	3	Horizontal	195	1.00	-
5210MHz	Pass	AV	5.407G	47.46	54.00	-6.54	3	Horizontal	195	1.00	-
5210MHz	Pass	PK	5.144G	64.28	74.00	-9.72	3	Horizontal	195	1.00	-
5210MHz	Pass	PK	5.227G	96.66	Inf	-Inf	3	Horizontal	195	1.00	-
5210MHz	Pass	PK	5.438G	58.96	74.00	-15.04	3	Horizontal	195	1.00	-
5210MHz	Pass	PK	10.4197G	60.10	68.20	-8.10	3	Vertical	105	2.72	-
5210MHz	Pass	PK	10.42062G	59.76	68.20	-8.44	3	Horizontal	249	1.50	-
5775MHz	Pass	AV	5.7618G	94.41	Inf	-Inf	3	Vertical	234	3.00	-
5775MHz	Pass	PK	5.6454G	64.56	68.20	-3.64	3	Vertical	234	3.00	-
5775MHz	Pass	PK	5.7714G	102.79	Inf	-Inf	3	Vertical	234	3.00	-
5775MHz	Pass	PK	5.9442G	60.99	68.20	-7.21	3	Vertical	234	3.00	-
5775MHz	Pass	AV	5.7474G	93.61	Inf	-Inf	3	Horizontal	323	3.00	-
5775MHz	Pass	PK	5.649G	63.68	68.20	-4.52	3	Horizontal	323	3.00	-
5775MHz	Pass	PK	5.7498G	101.94	Inf	-Inf	3	Horizontal	323	3.00	-
5775MHz	Pass	PK	5.9874G	61.24	68.20	-6.96	3	Horizontal	323	3.00	-
5775MHz	Pass	AV	11.55102G	48.10	54.00	-5.90	3	Vertical	12	1.50	-
5775MHz	Pass	PK	11.54993G	59.91	74.00	-14.09	3	Vertical	12	1.50	-
5775MHz	Pass	AV	11.5494G	48.26	54.00	-5.74	3	Horizontal	43	1.50	-
5775MHz	Pass	PK	11.5524G	61.19	74.00	-12.81	3	Horizontal	43	1.50	-

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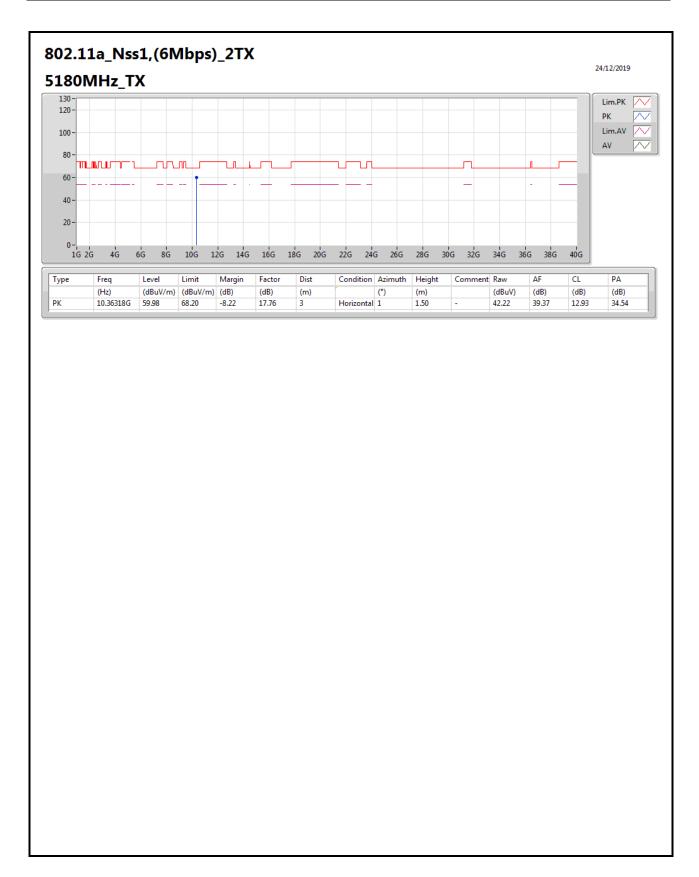


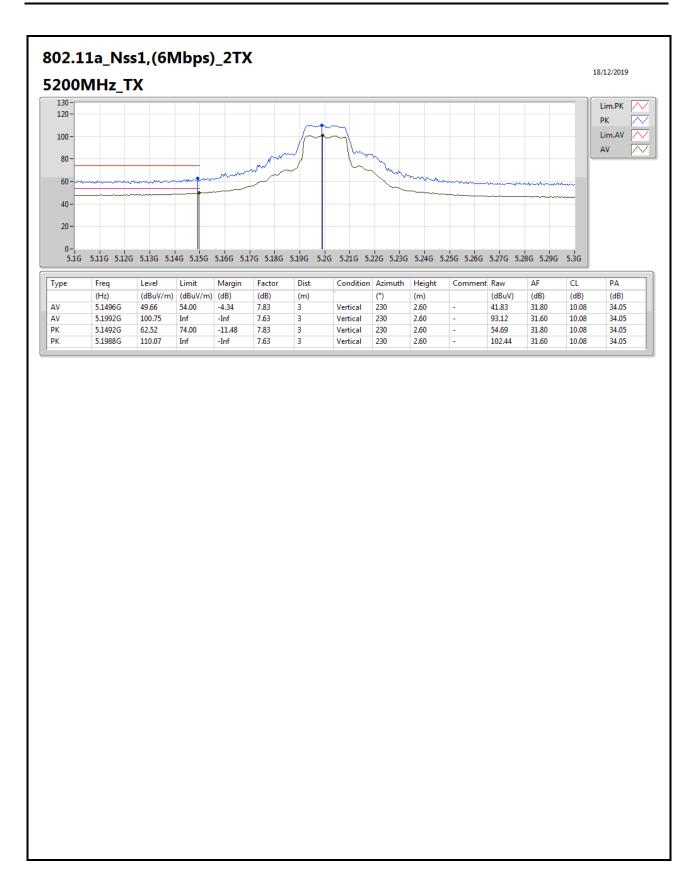


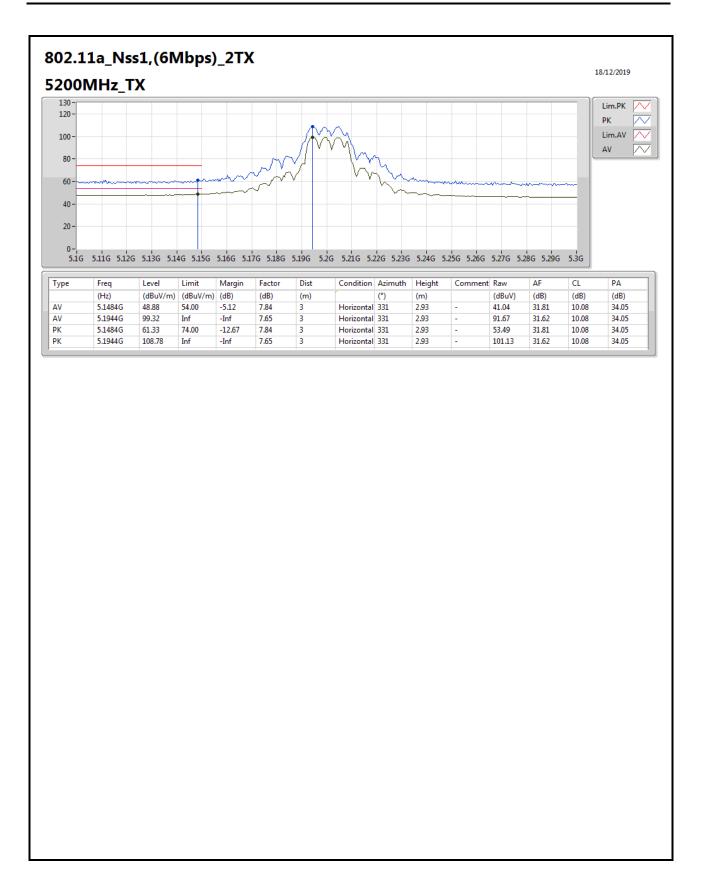


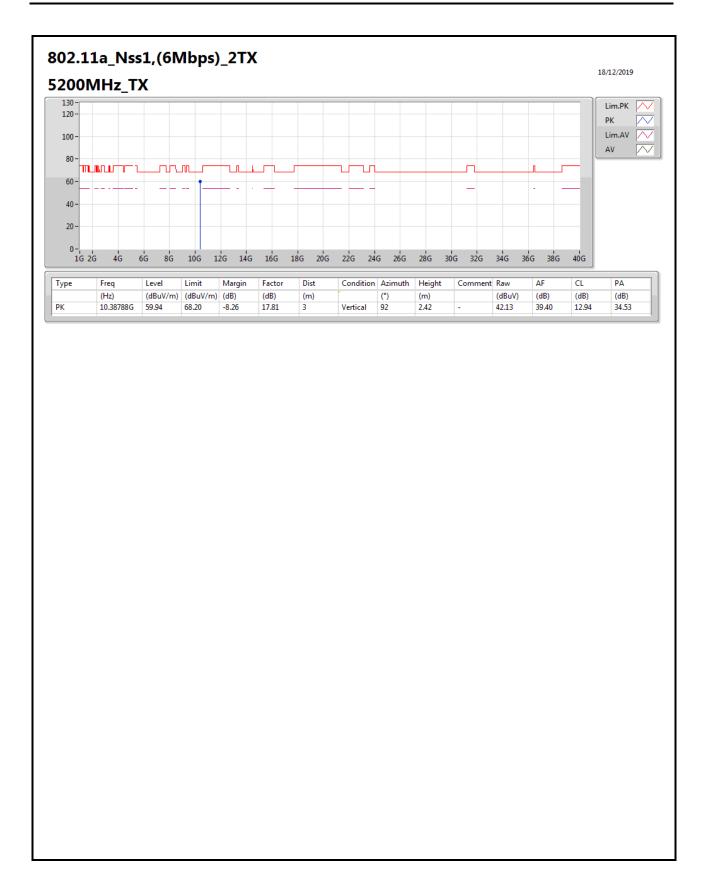




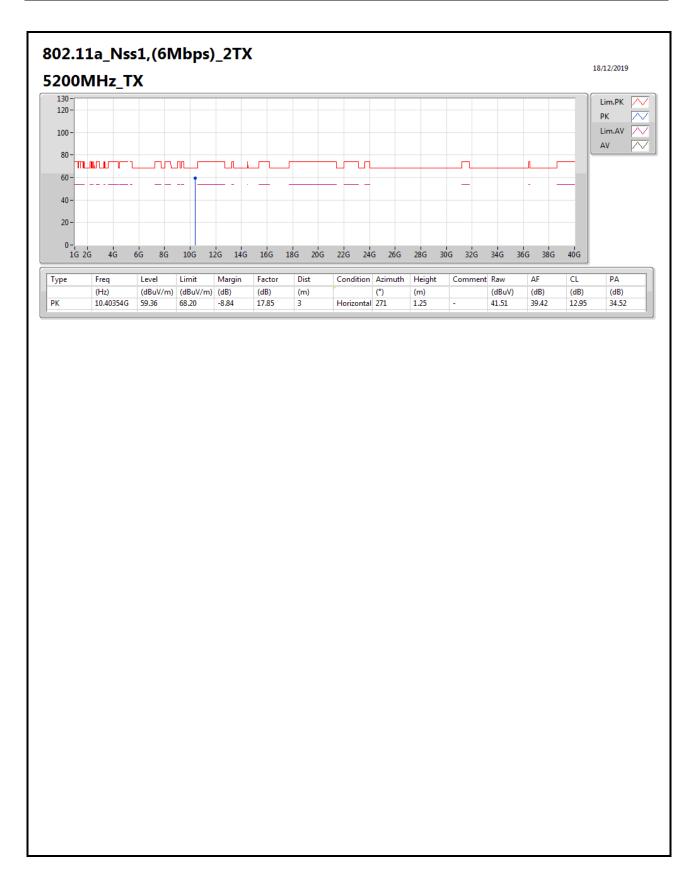




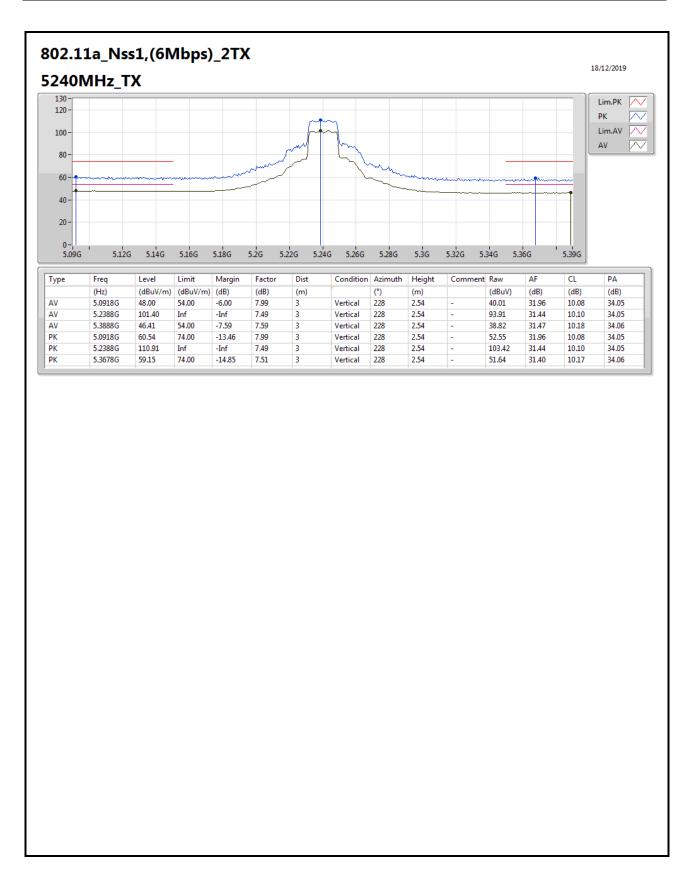




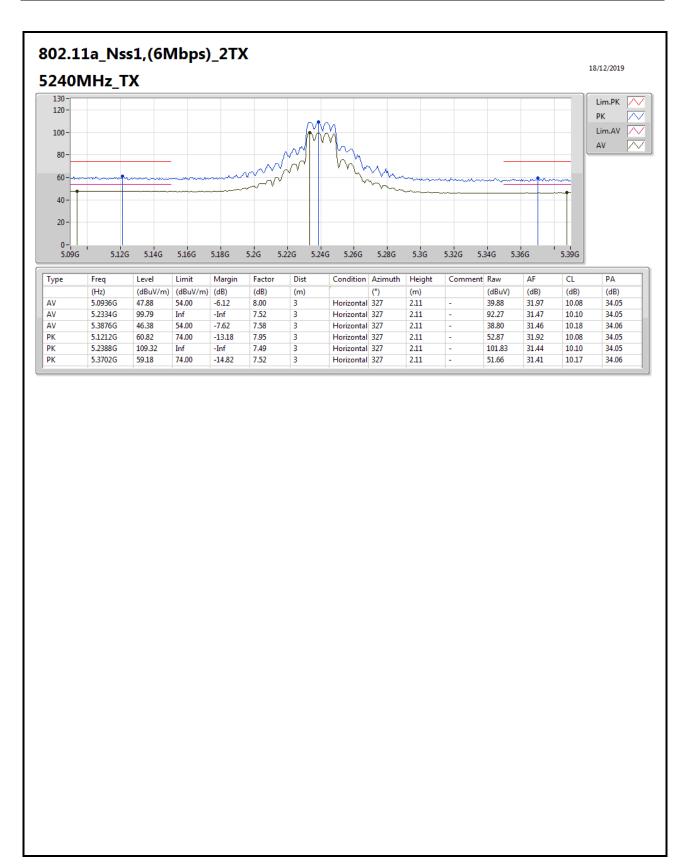




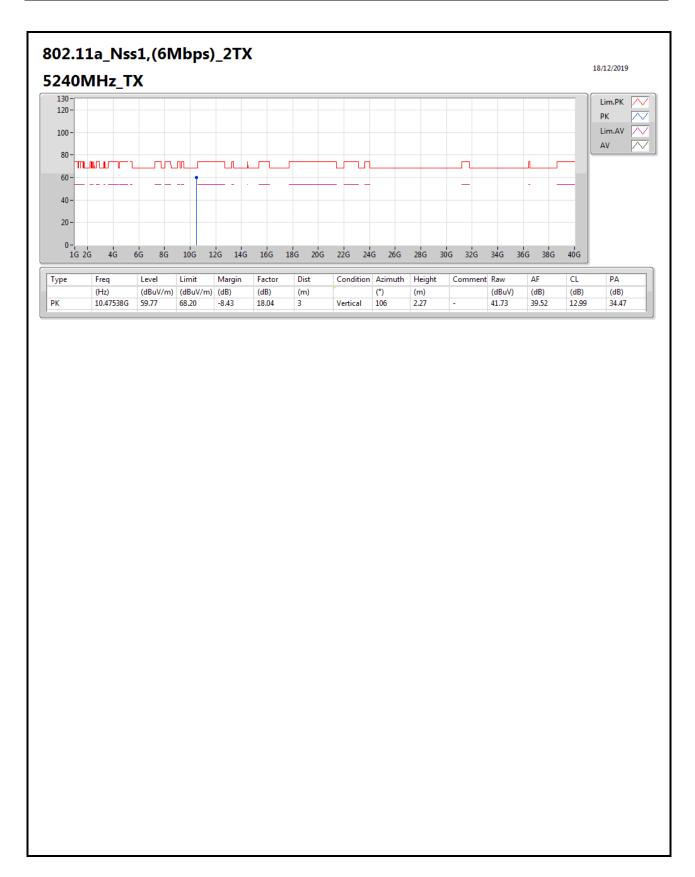


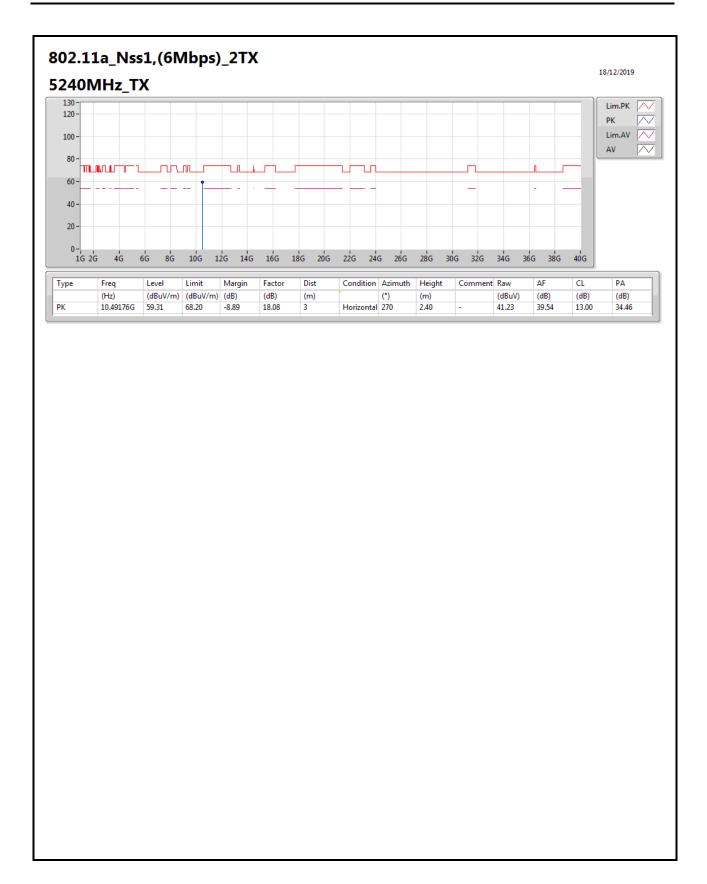




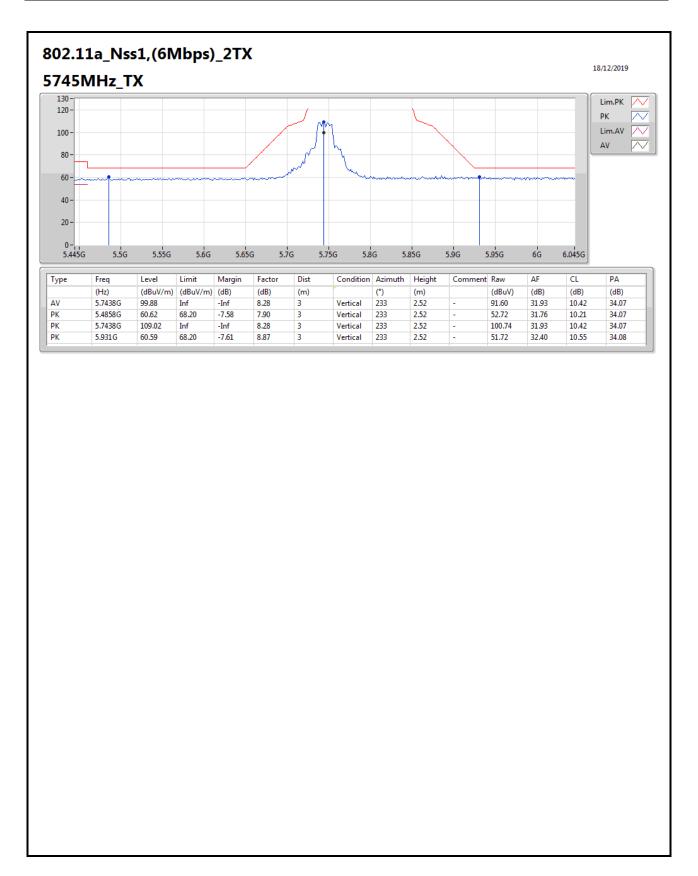


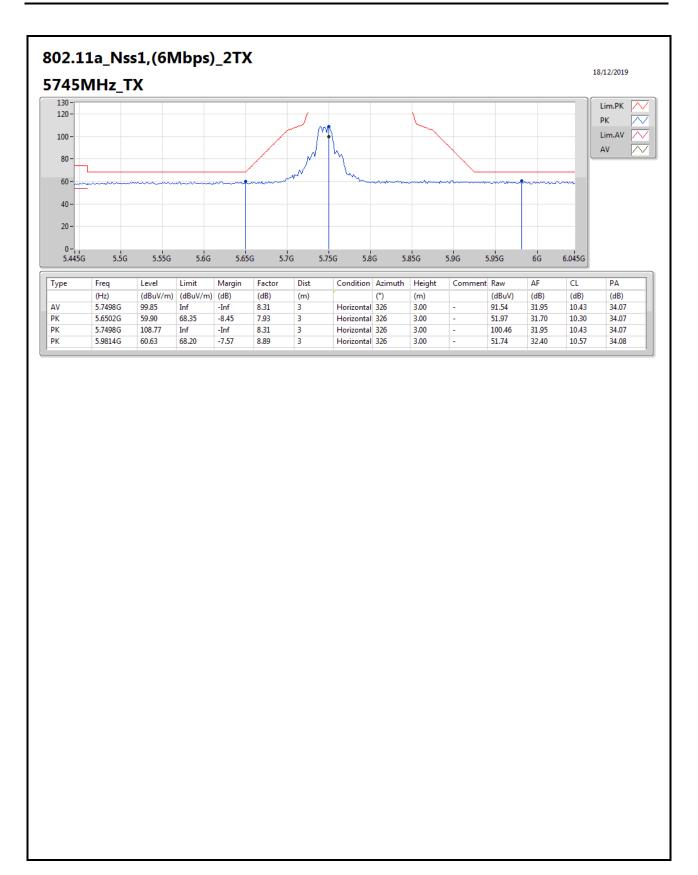




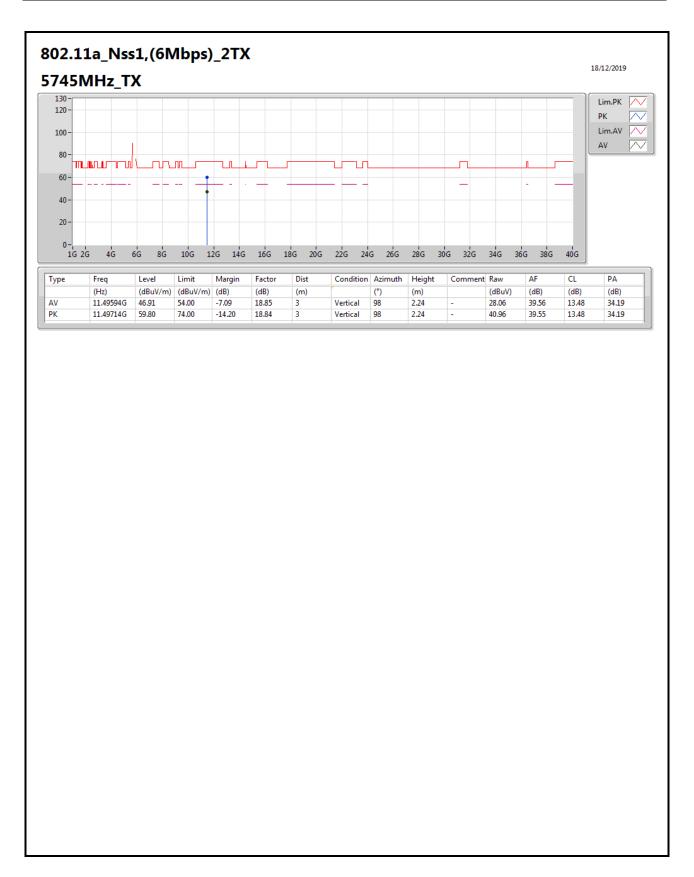


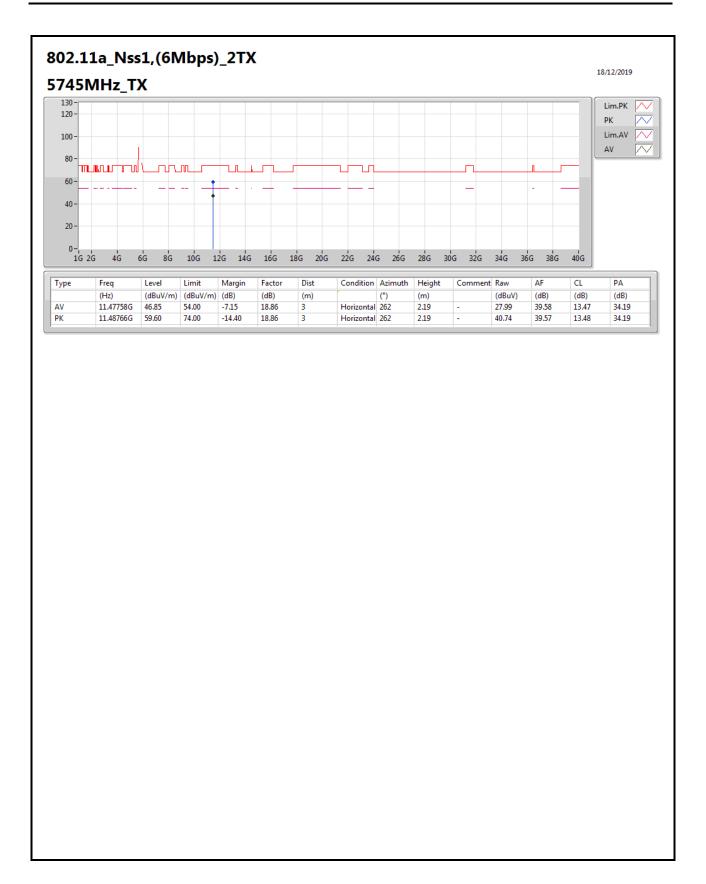


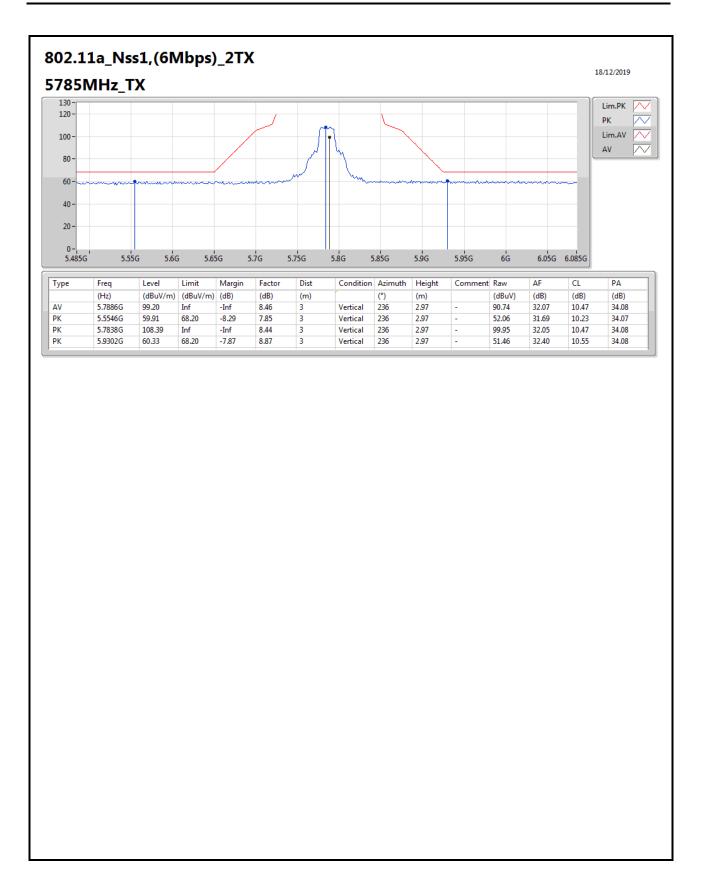


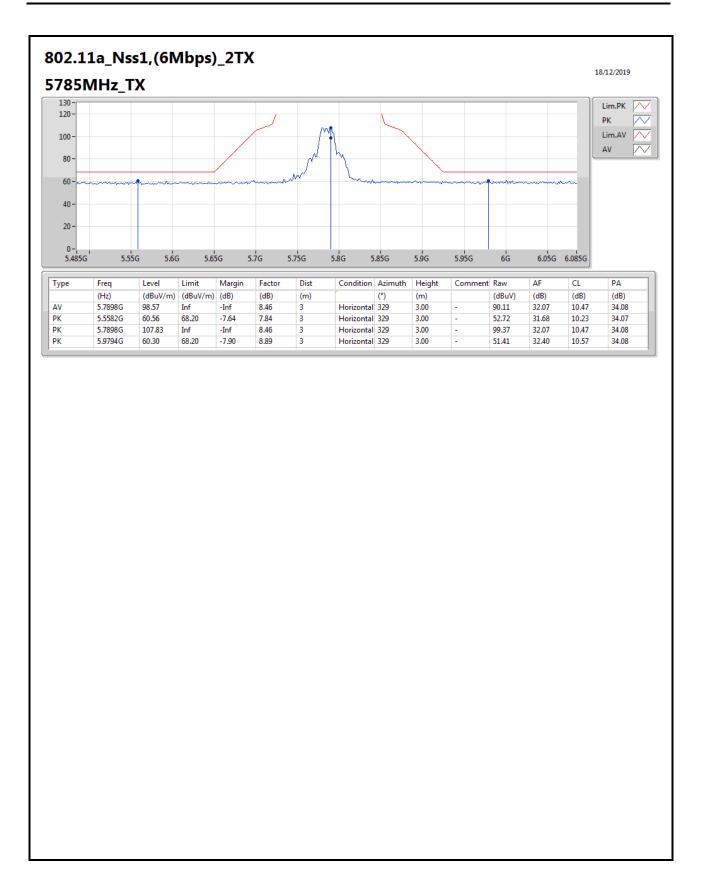




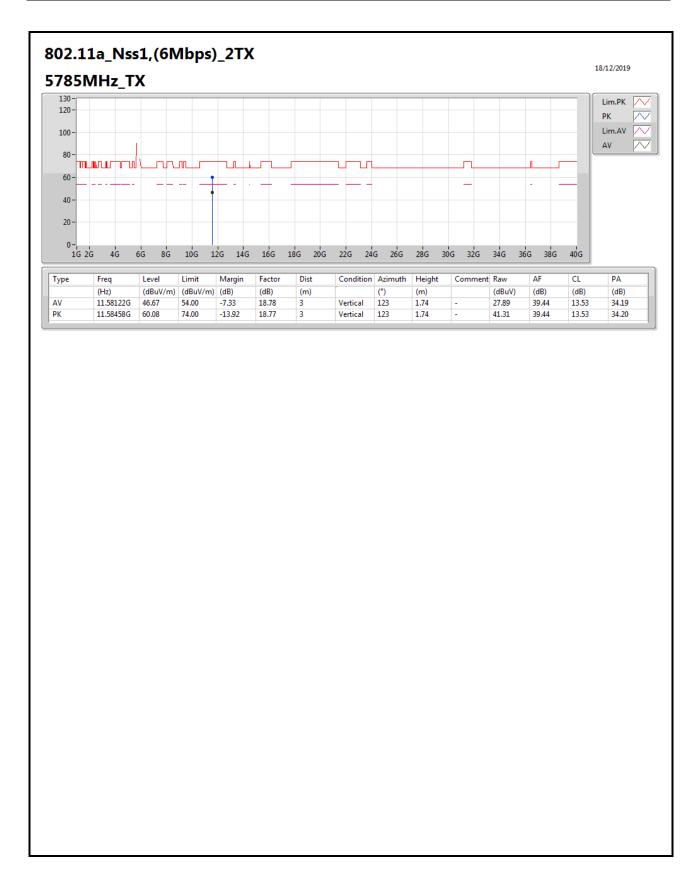


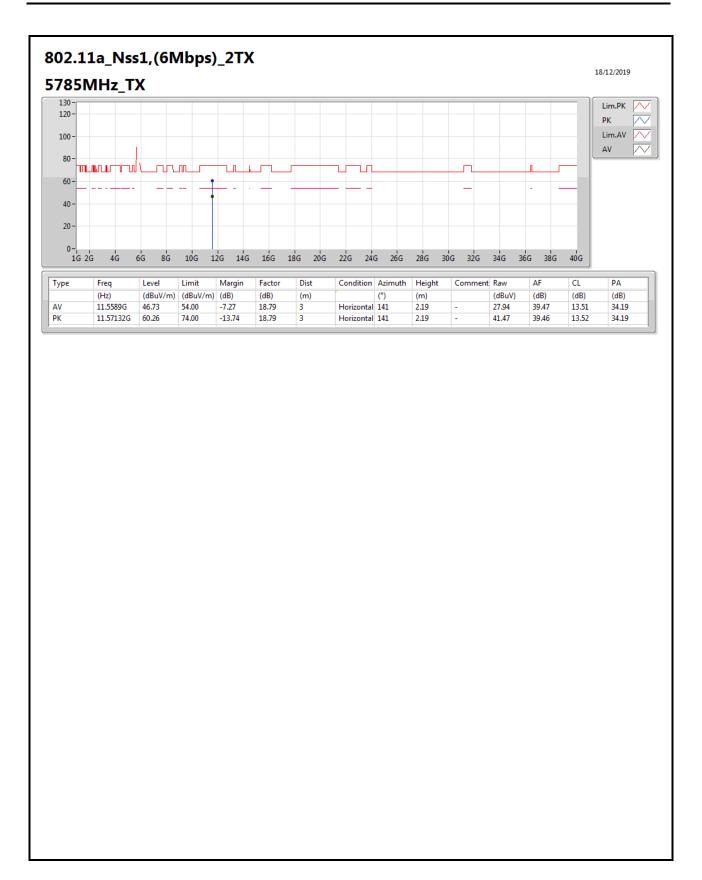


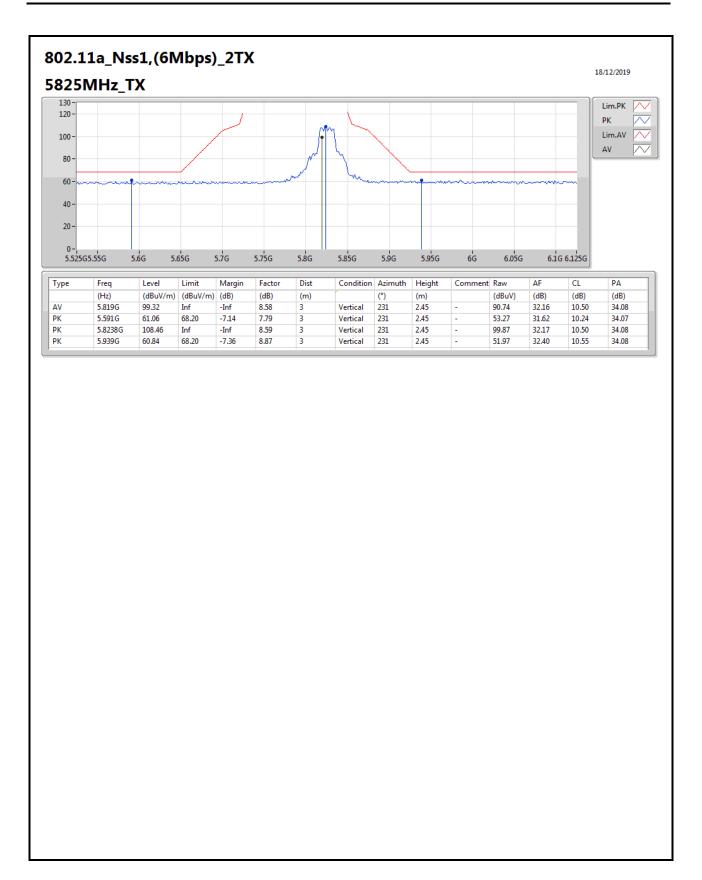


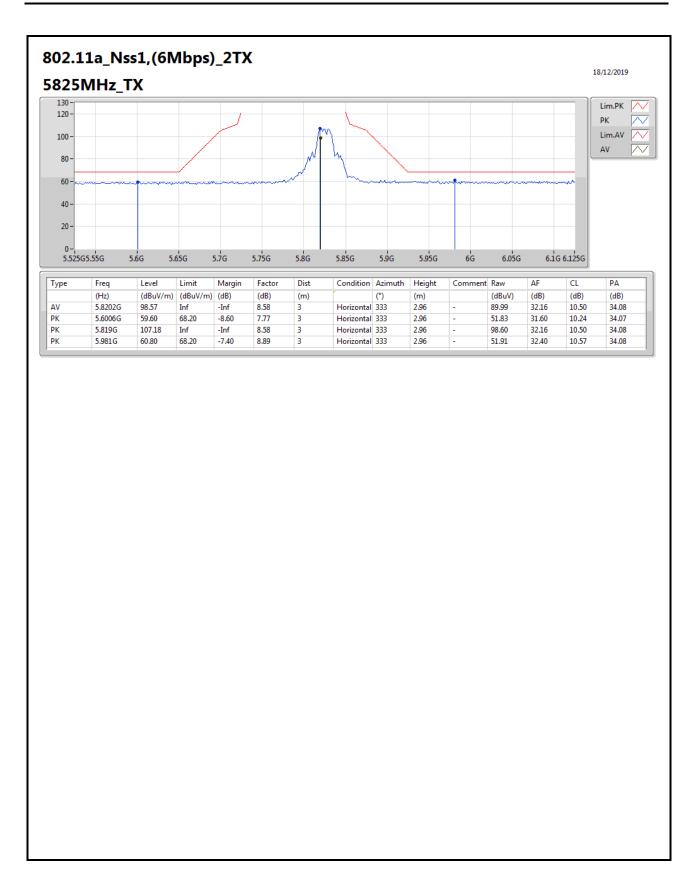


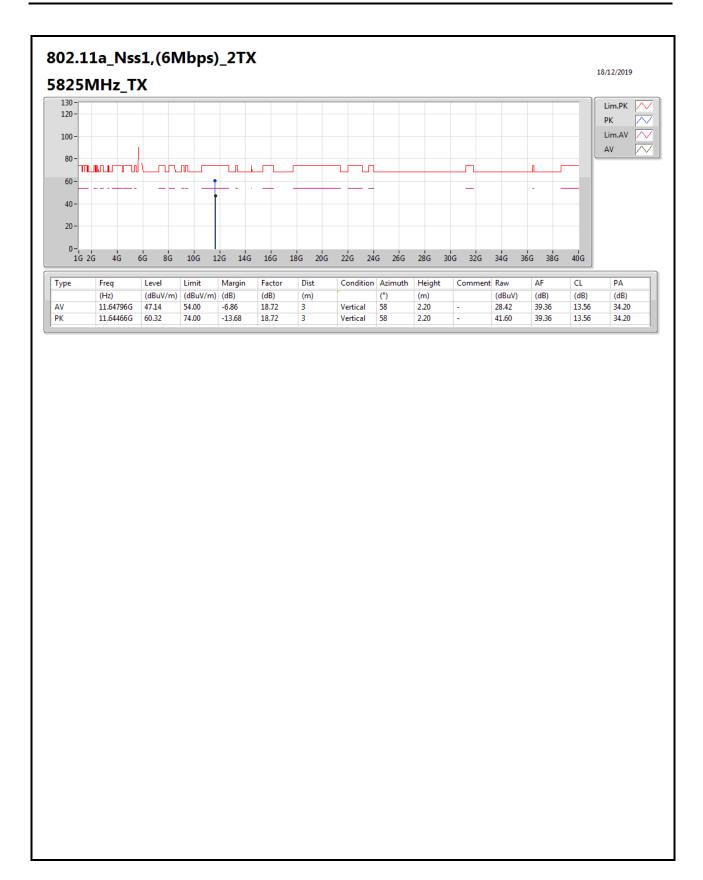




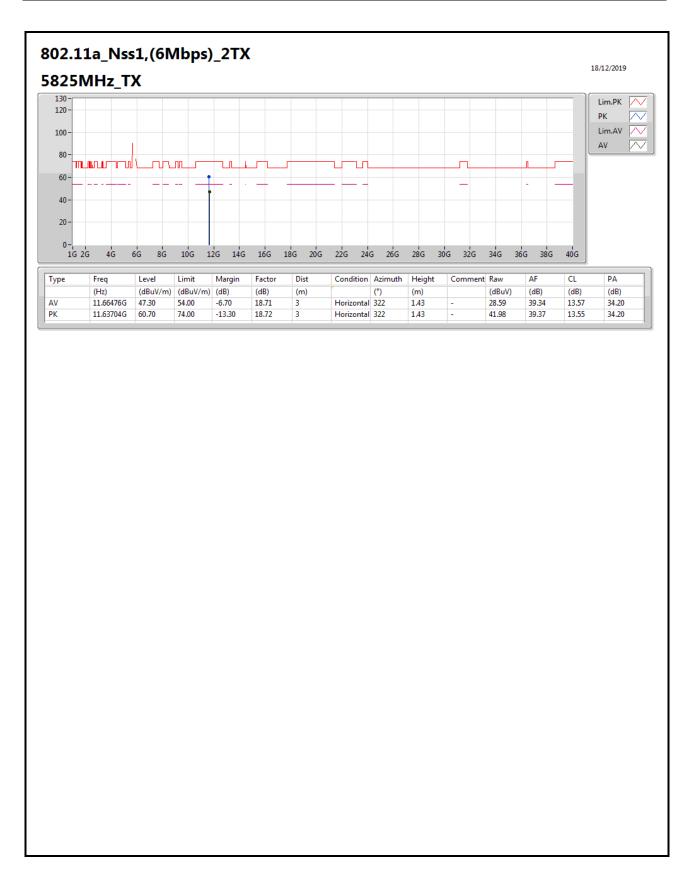




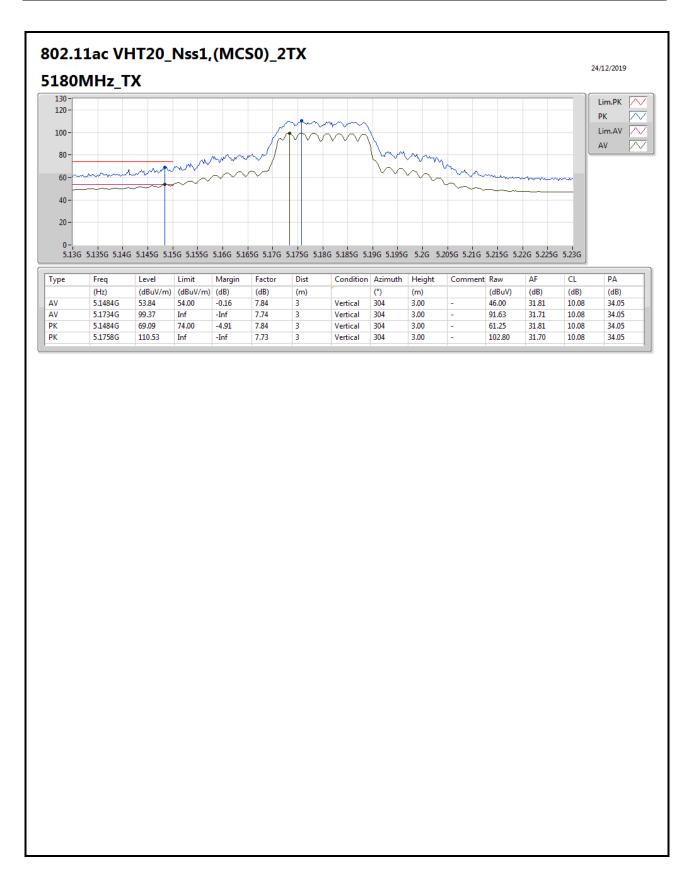




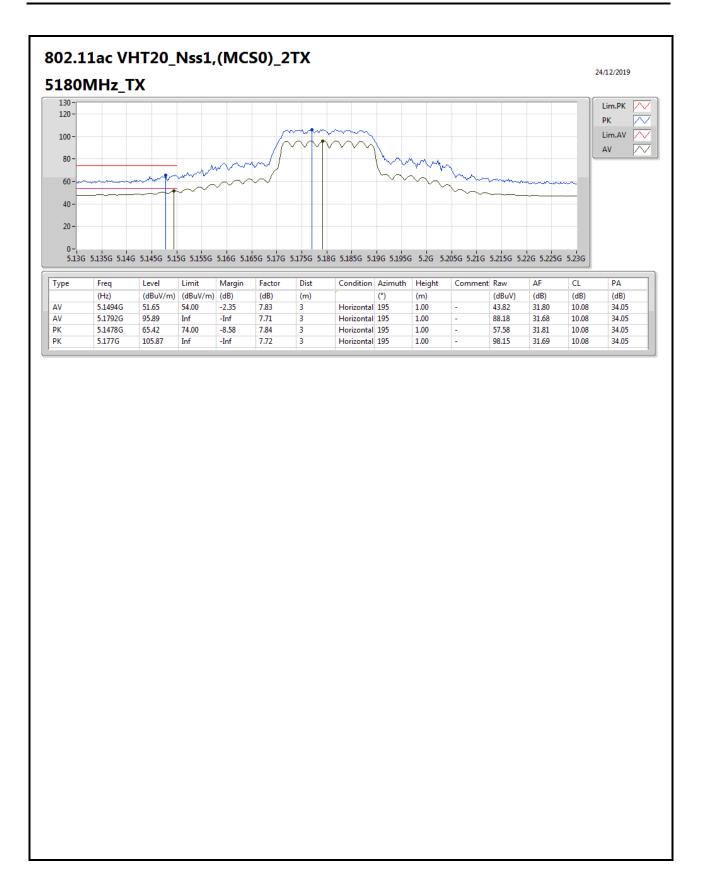




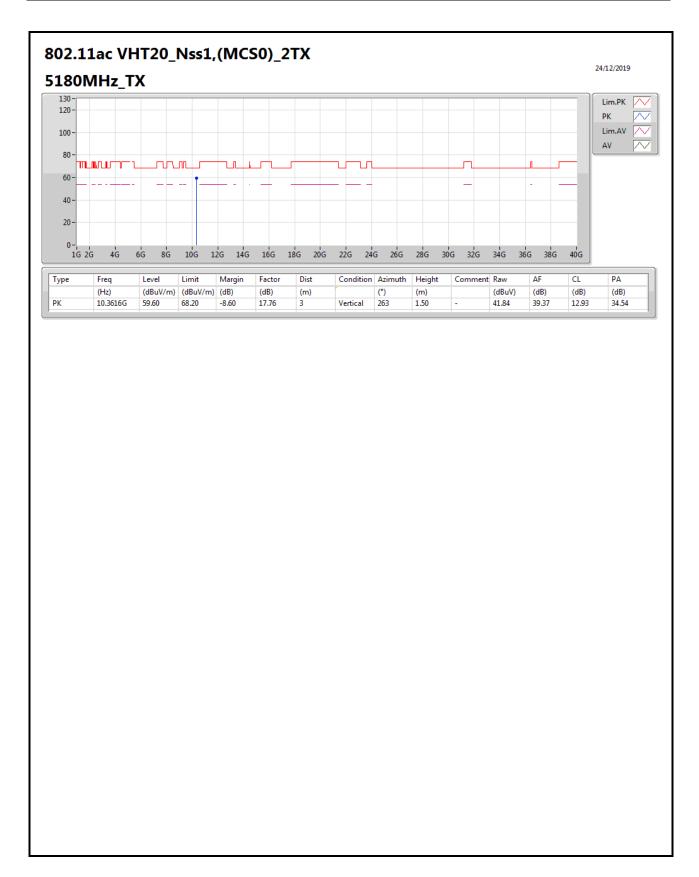




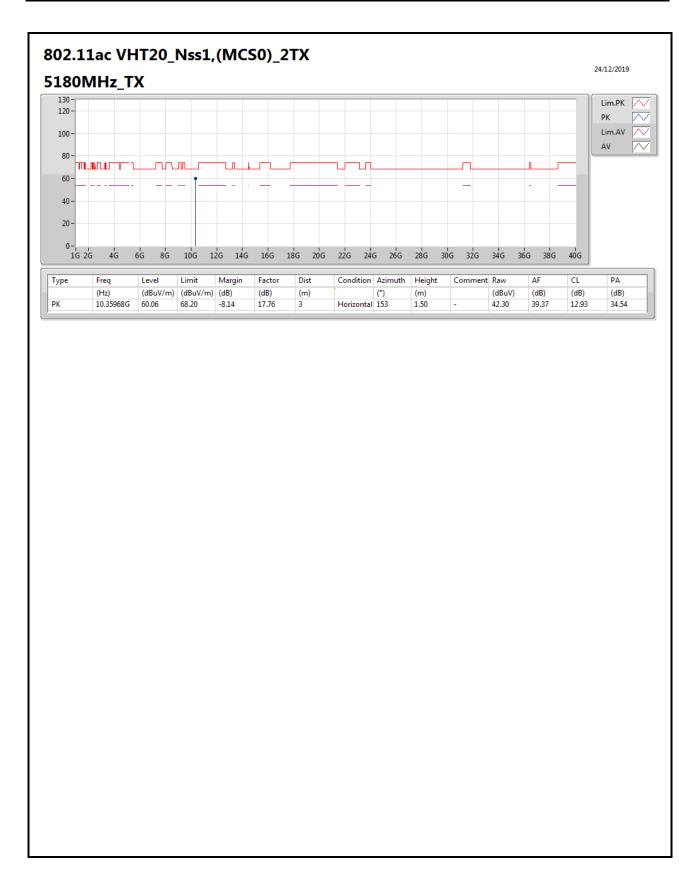
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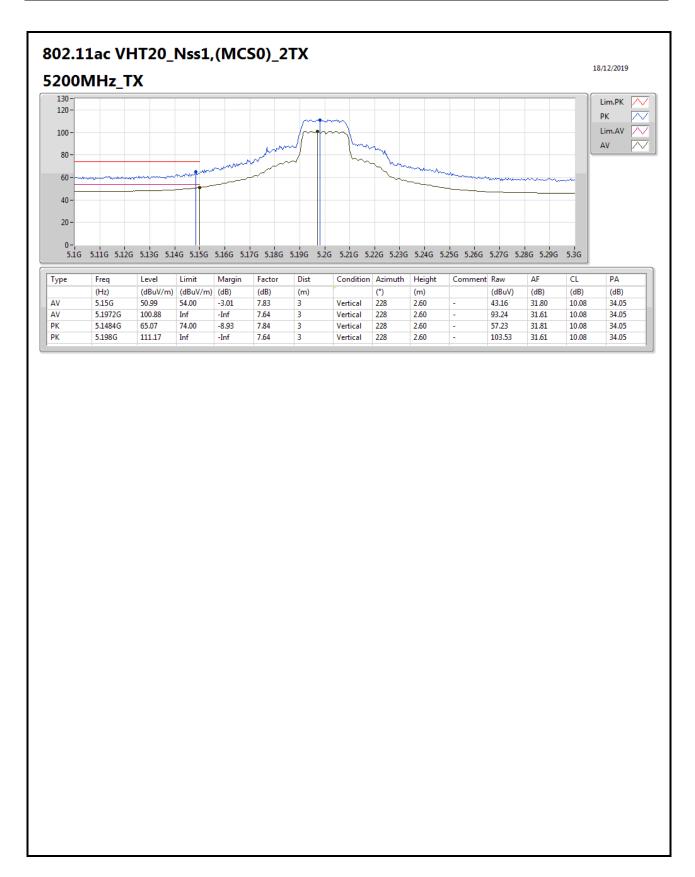


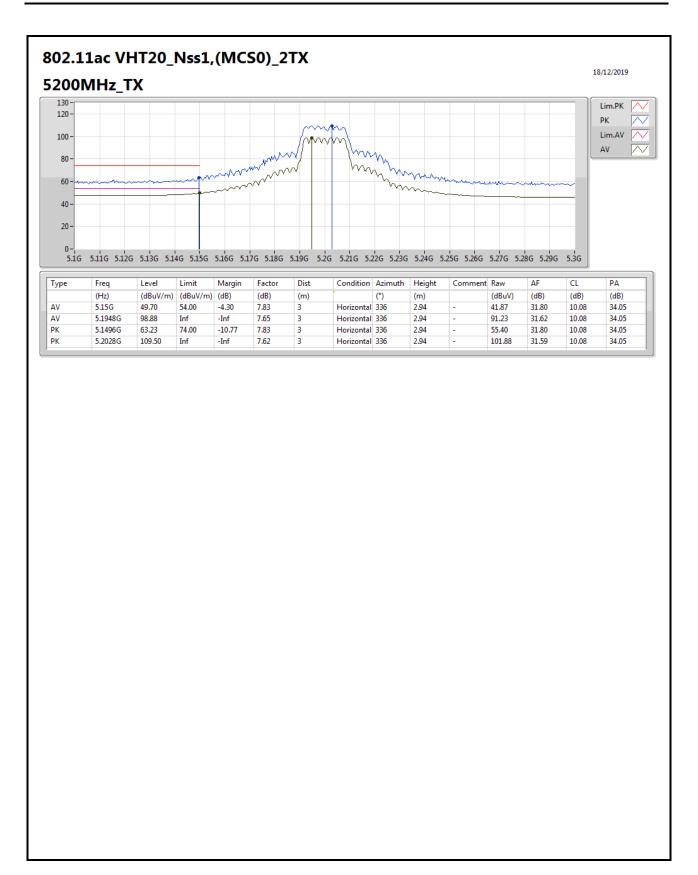




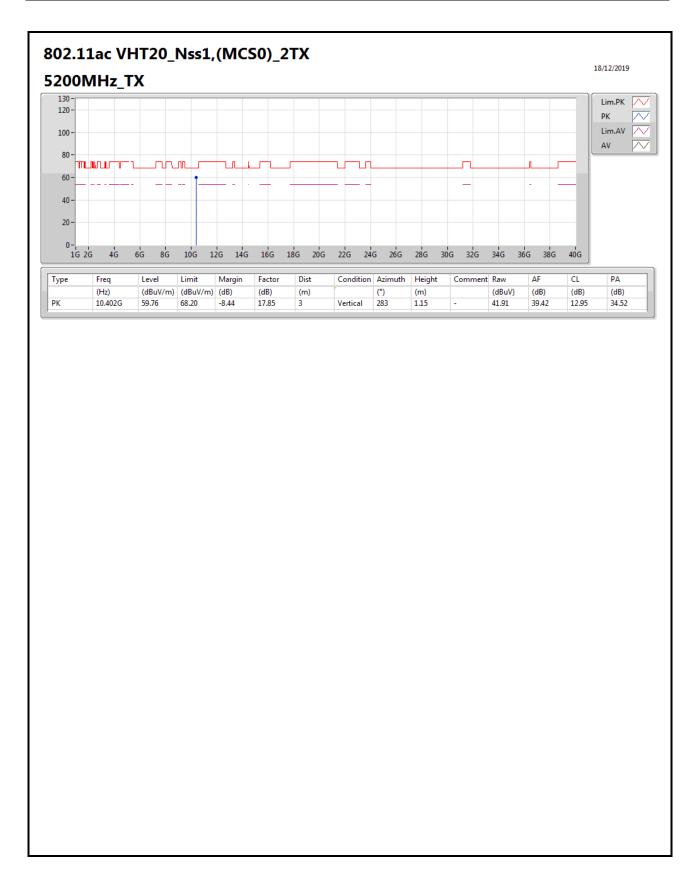




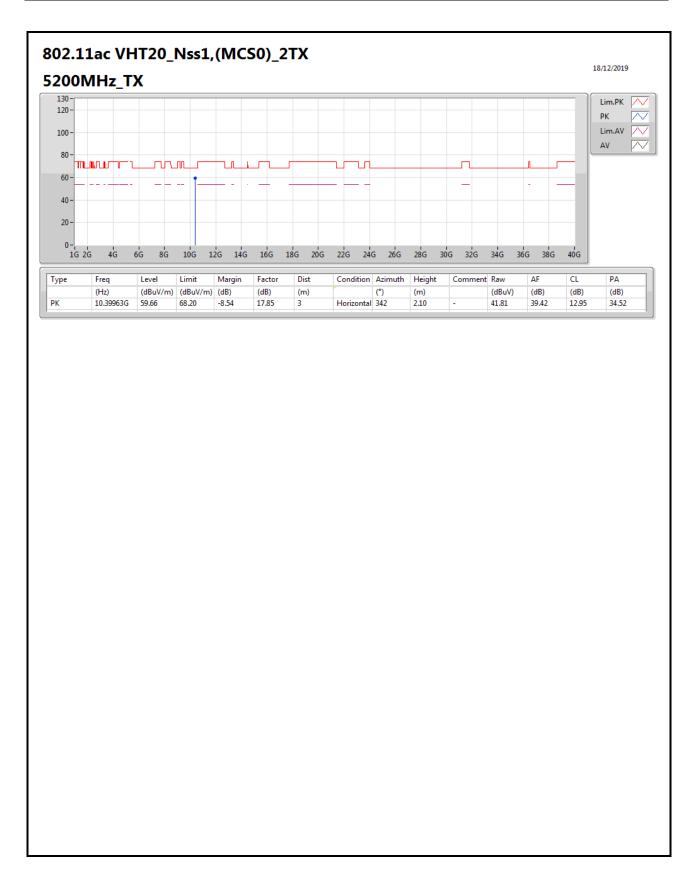






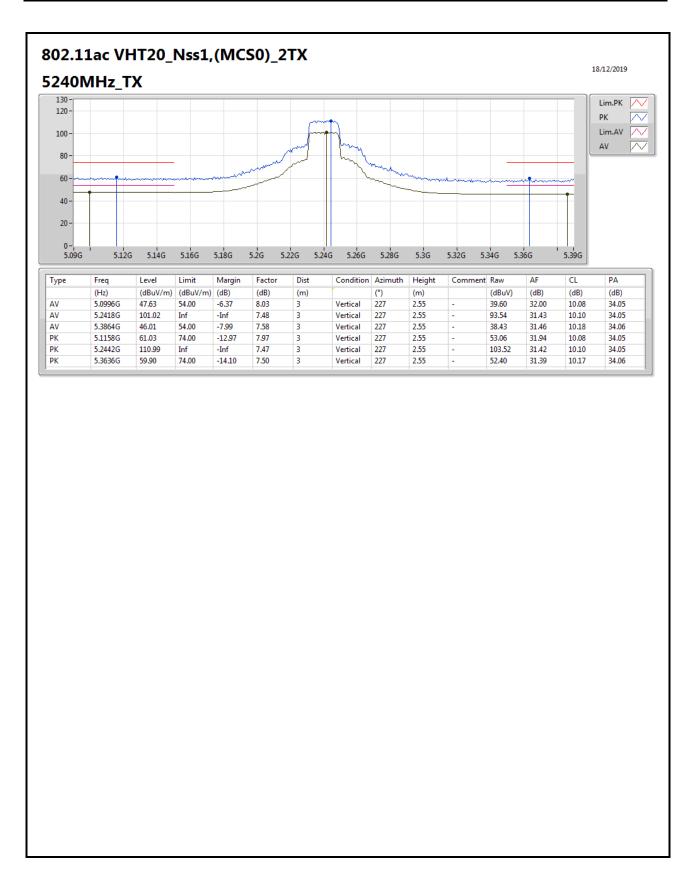




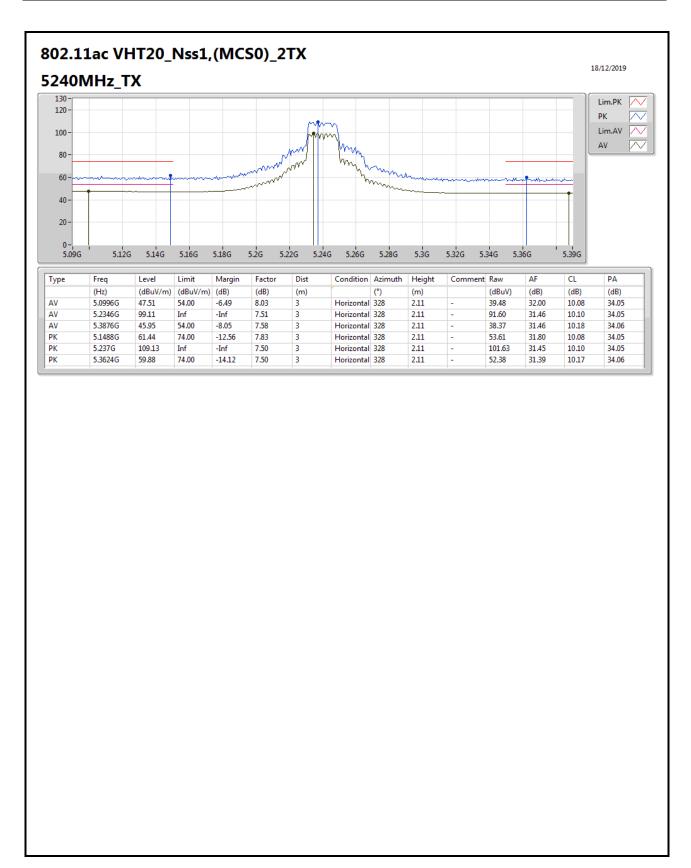


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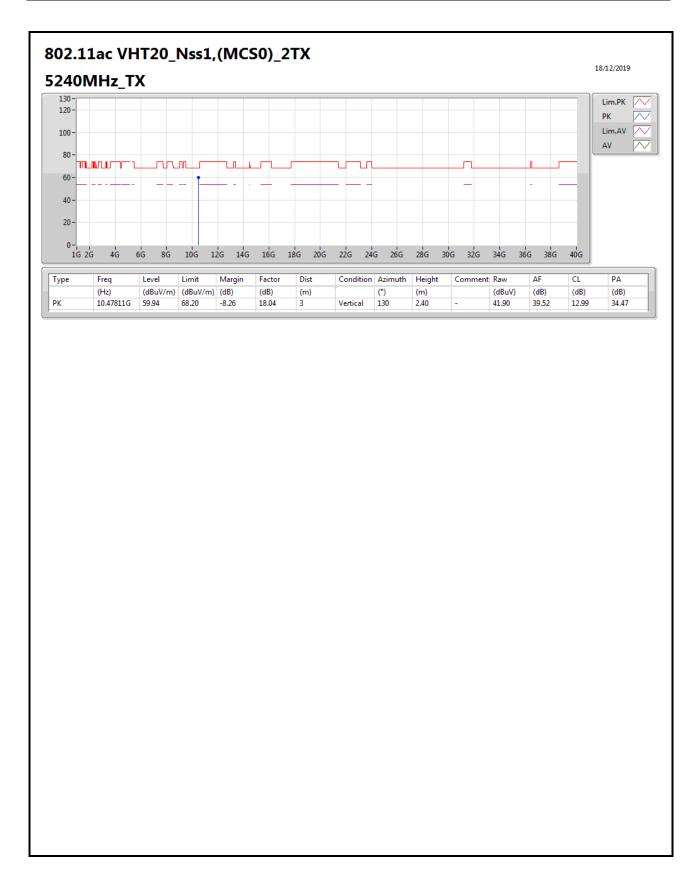




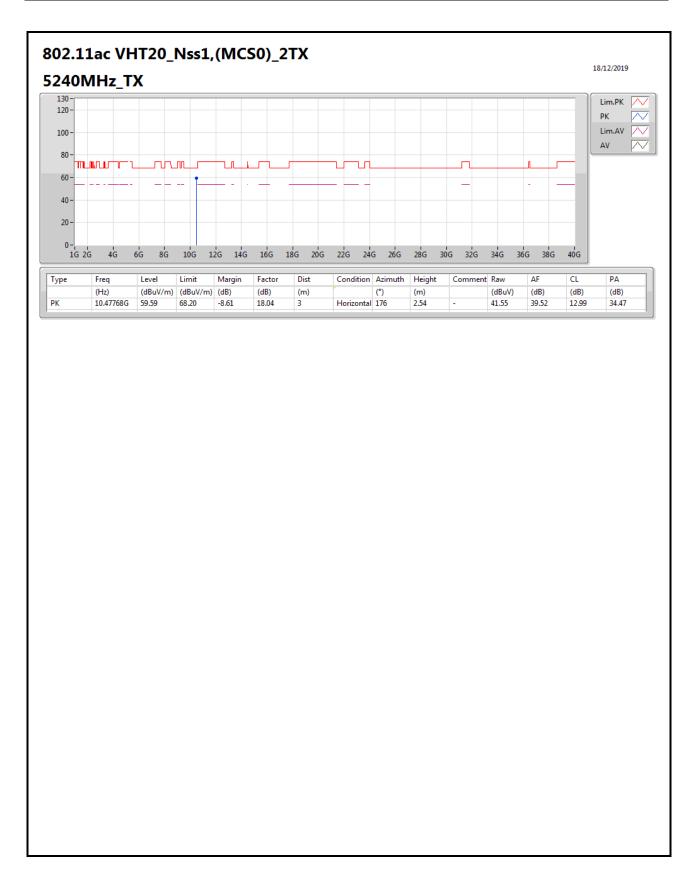




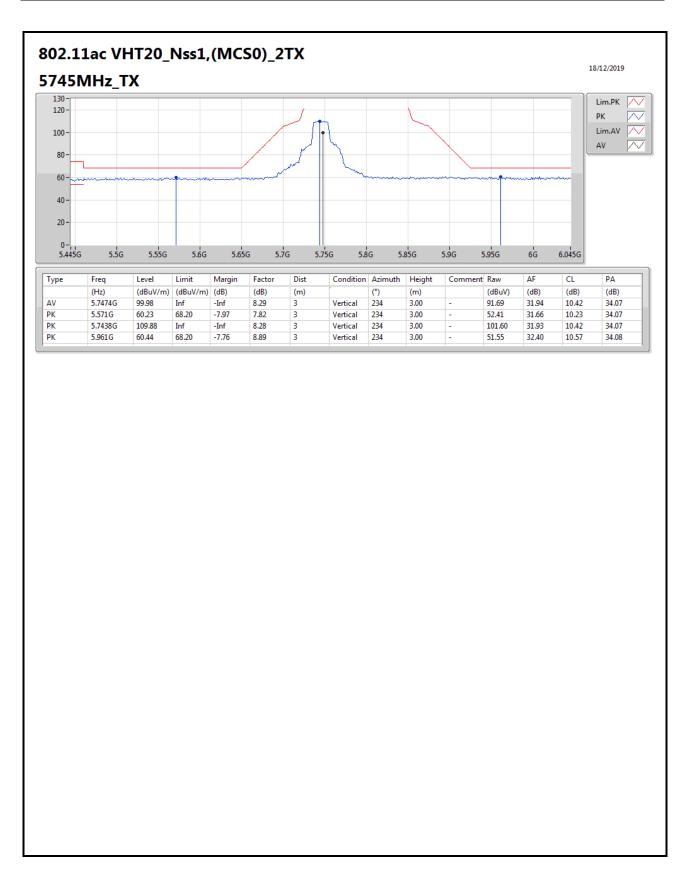




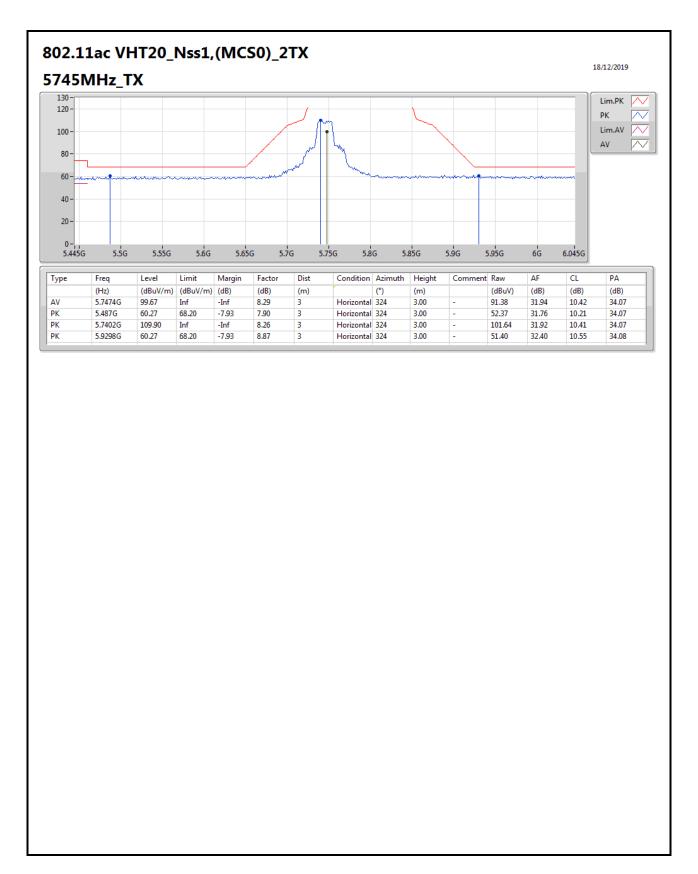




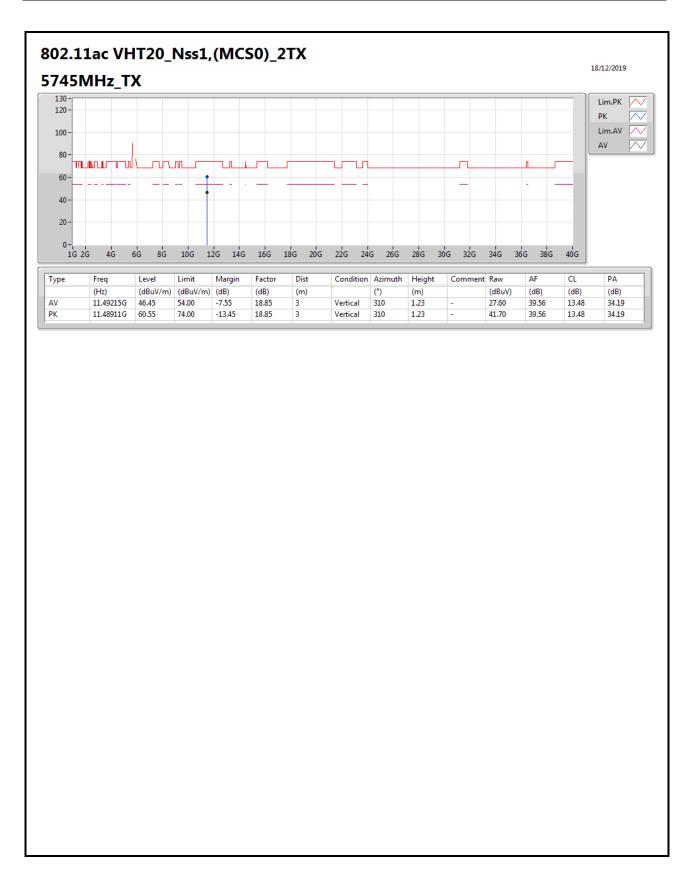




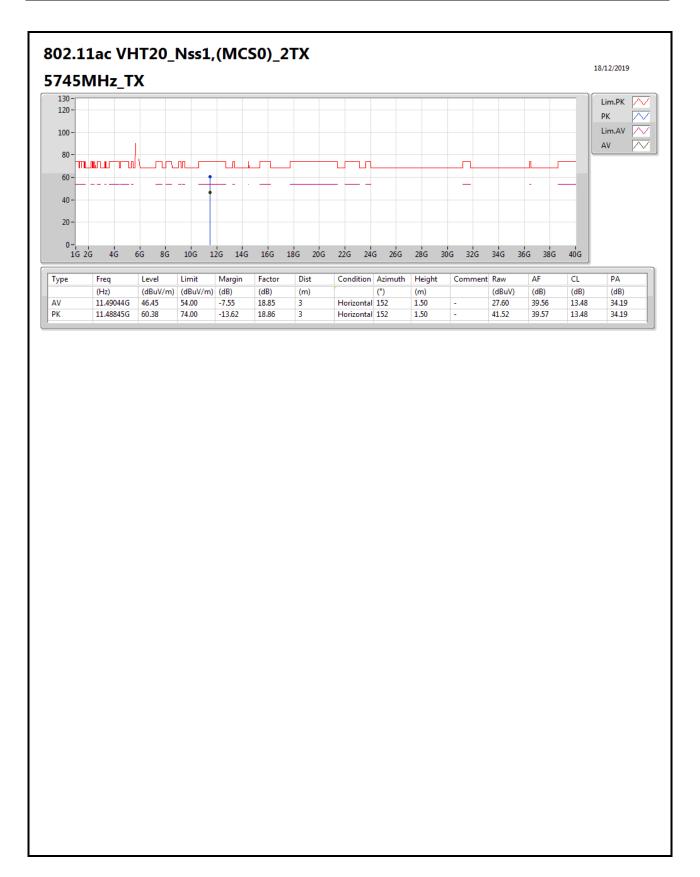




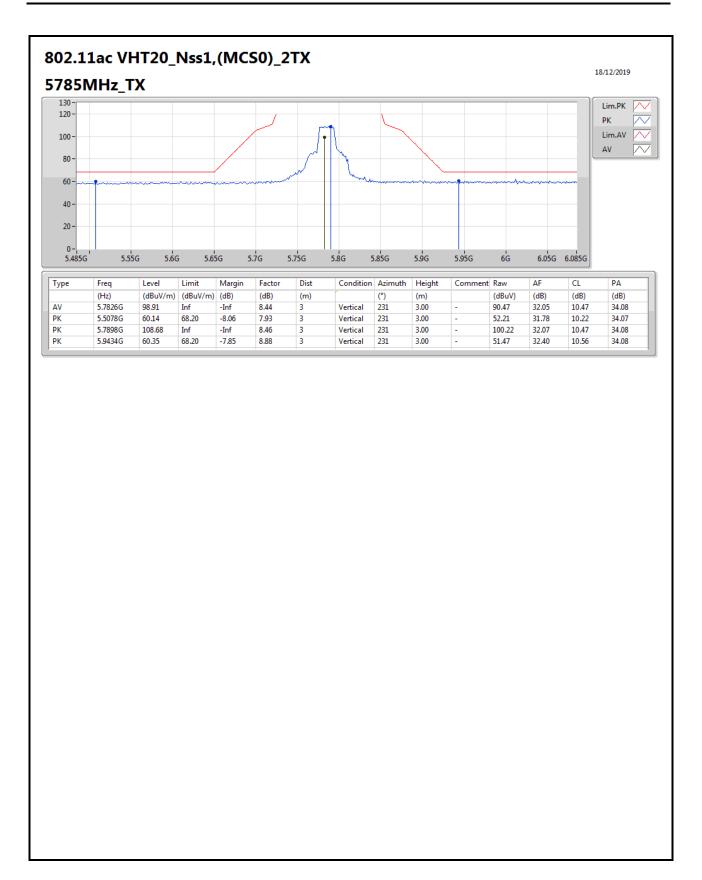




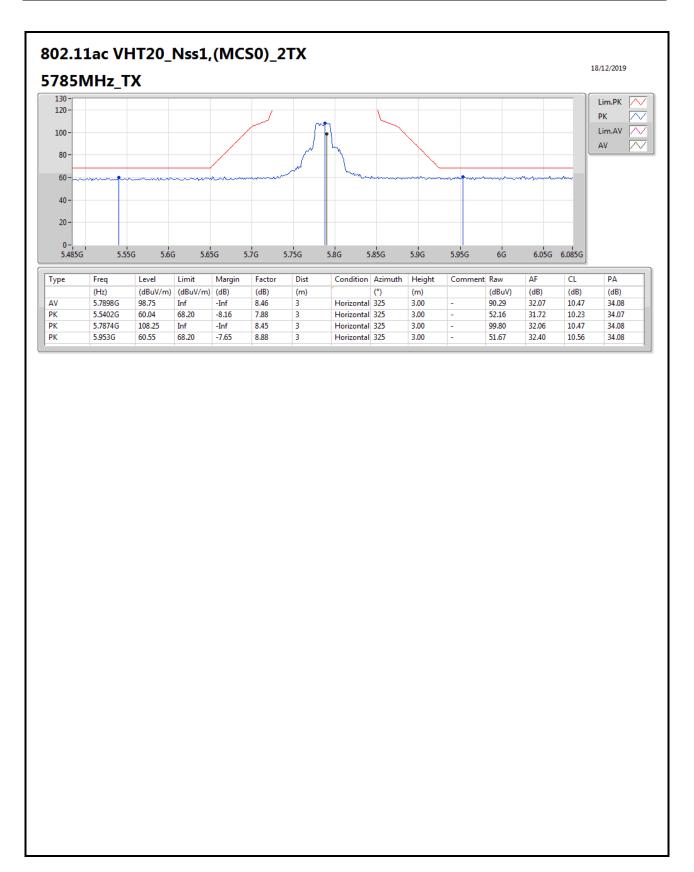




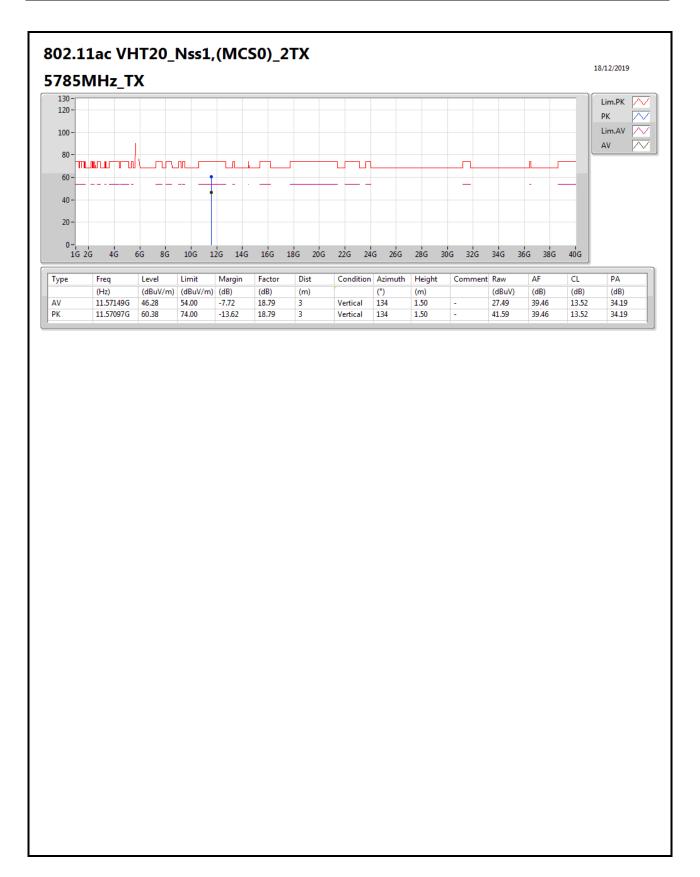
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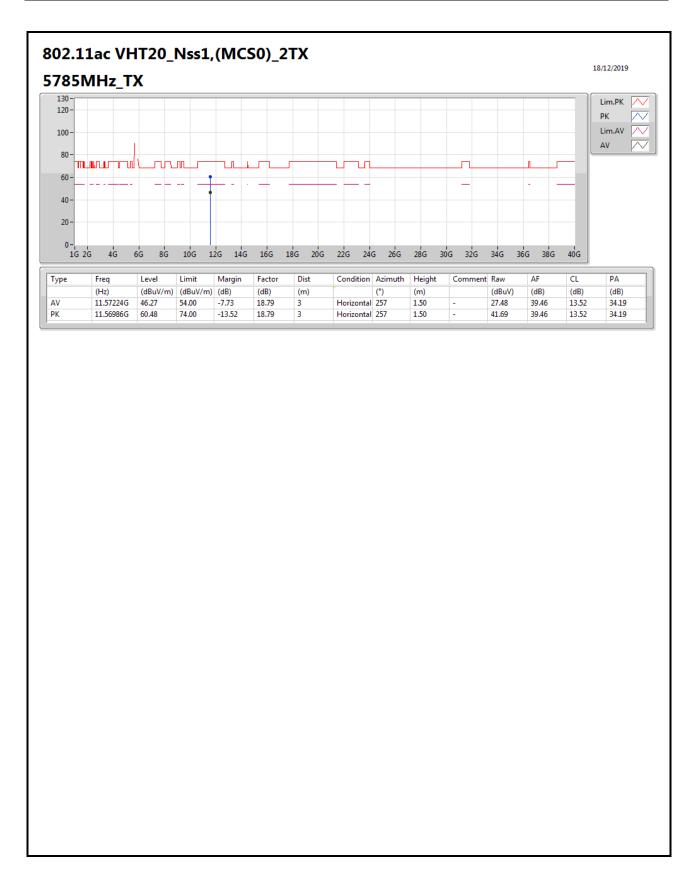




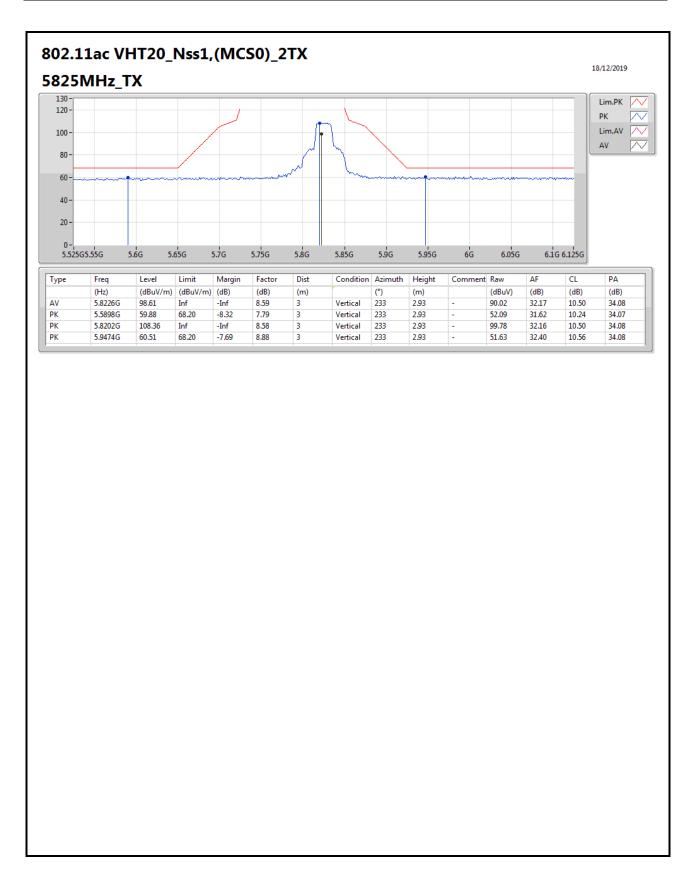




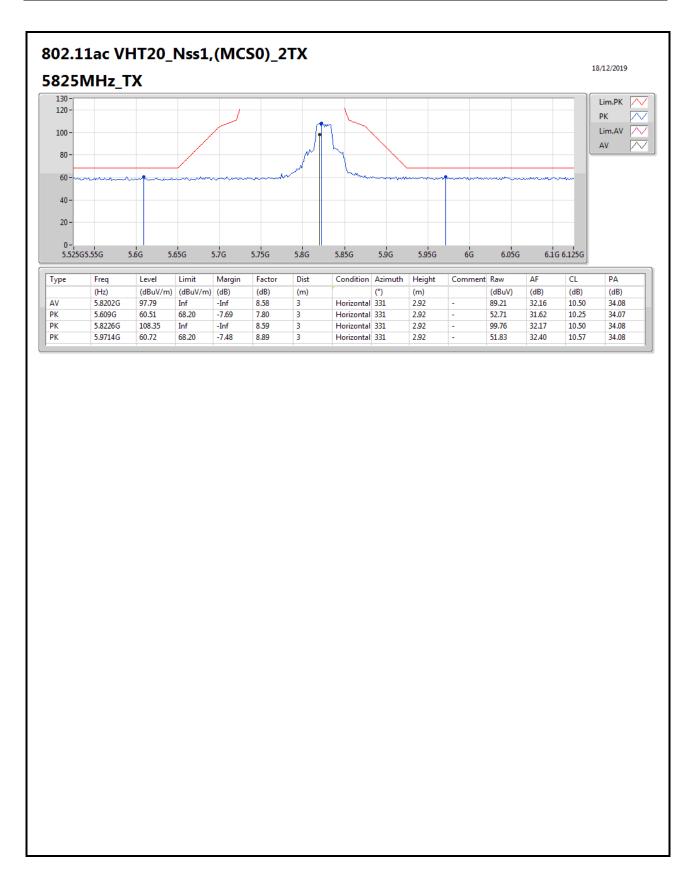




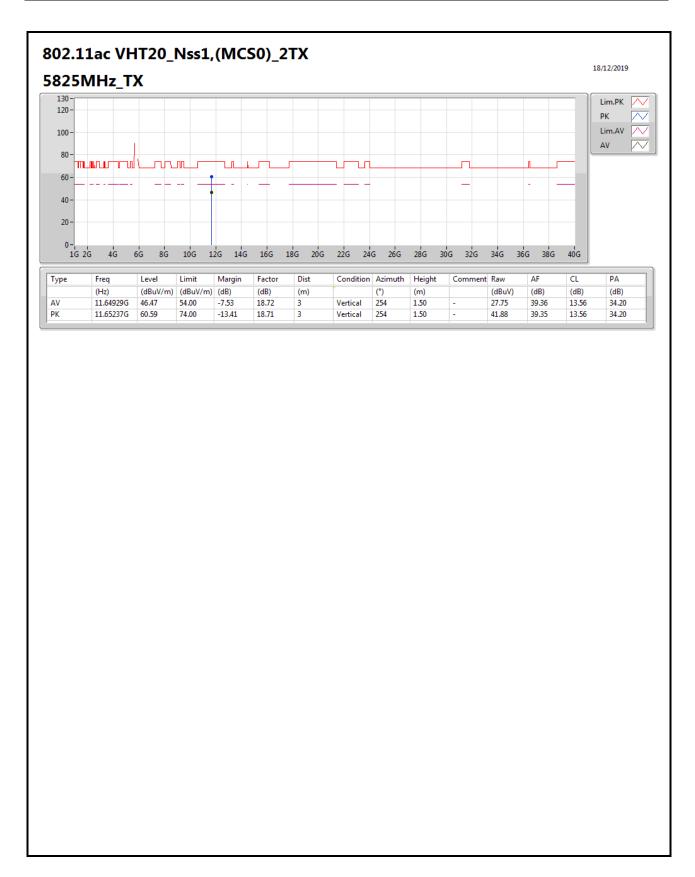




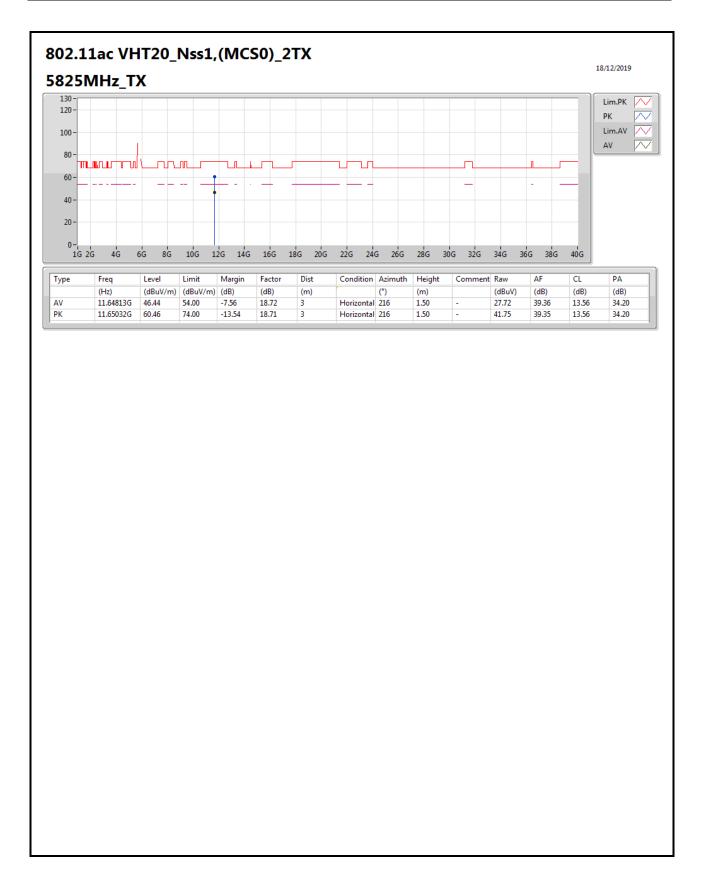




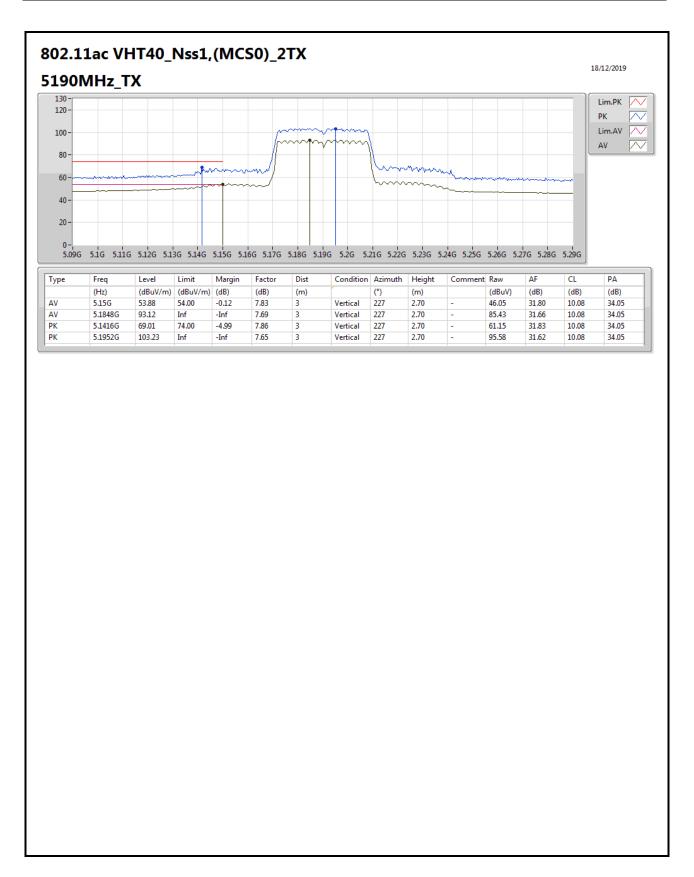




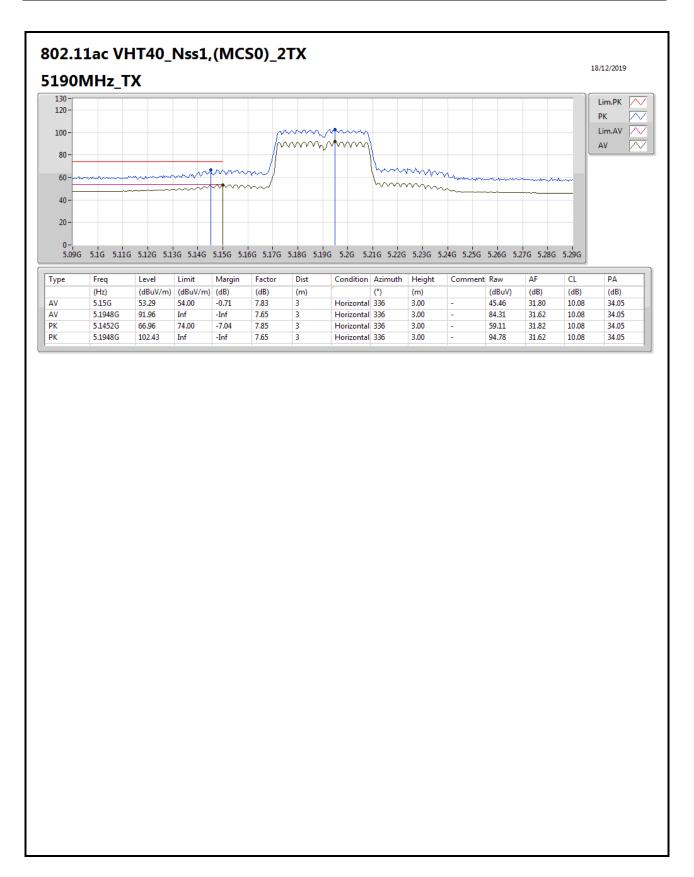




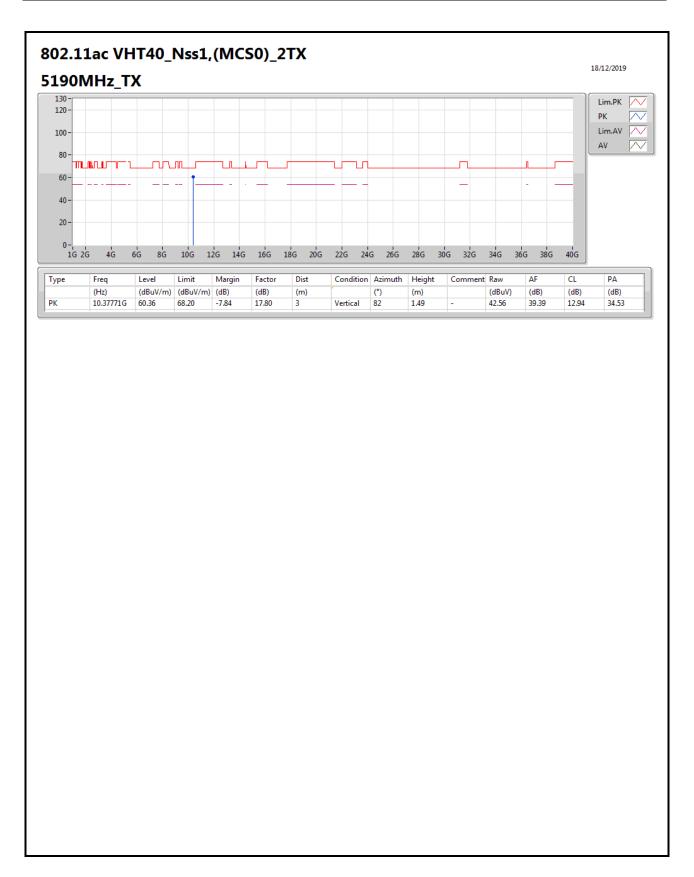




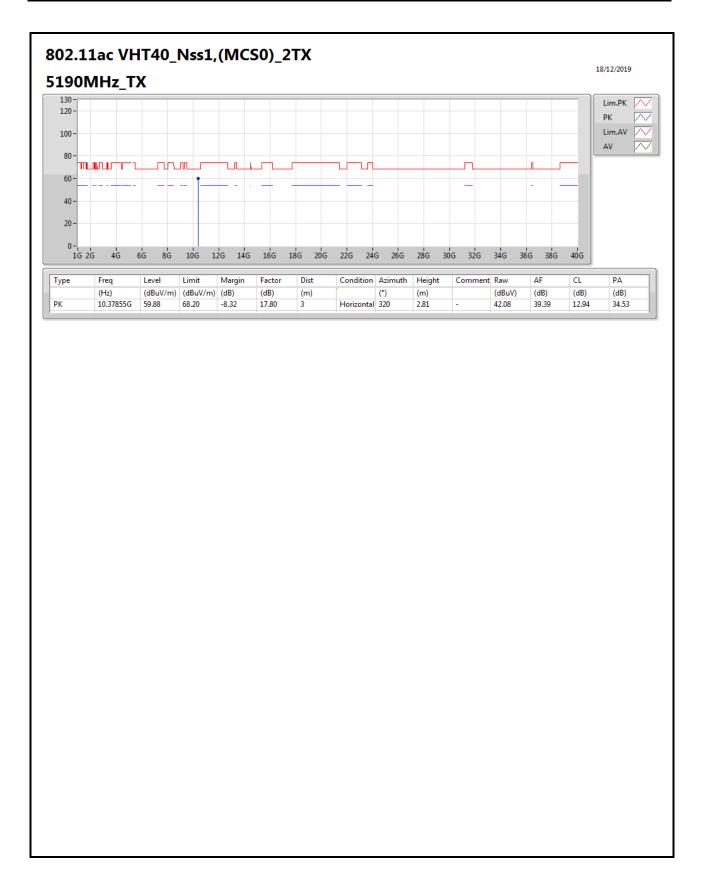




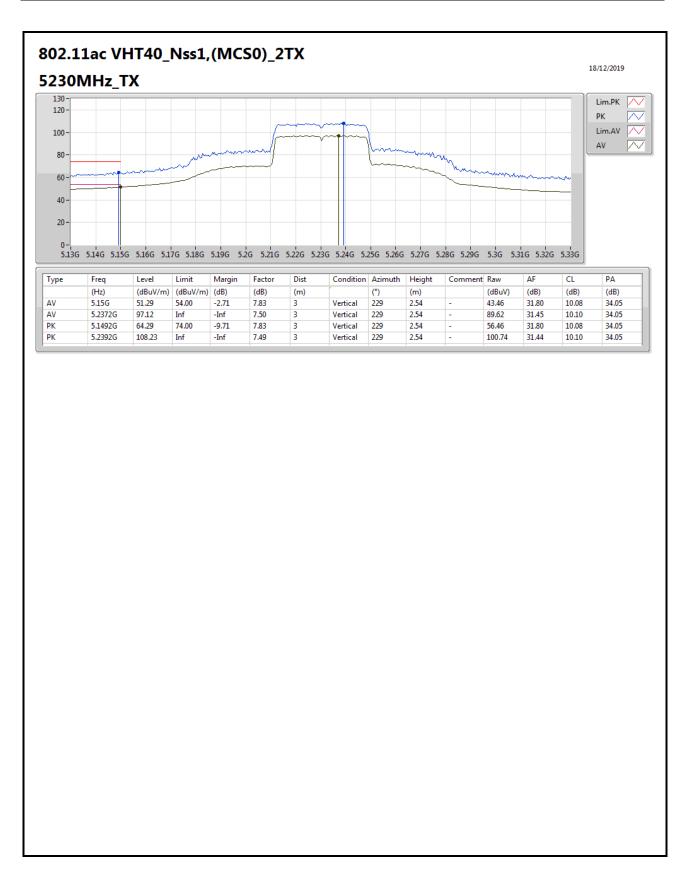






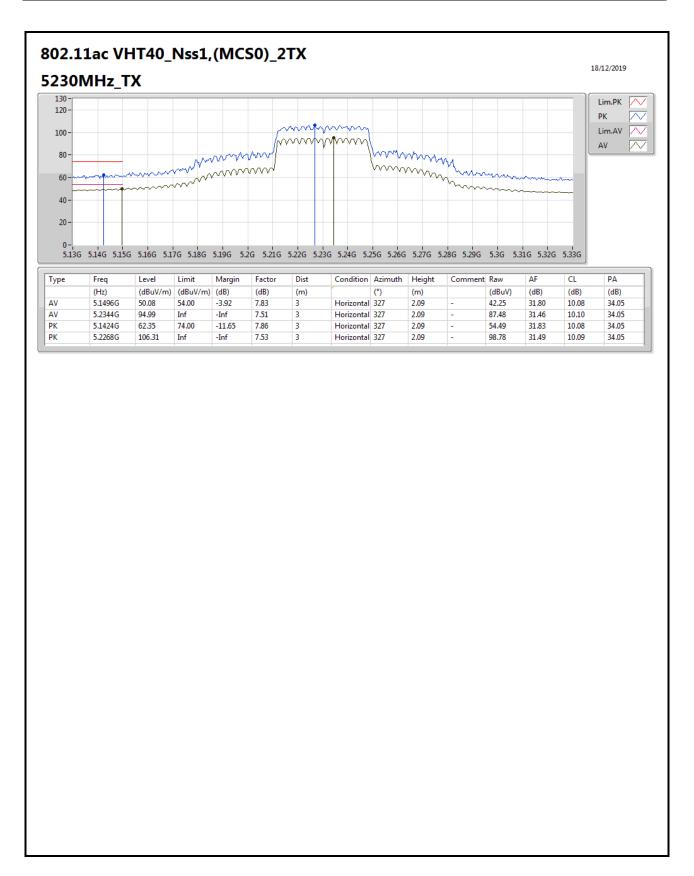




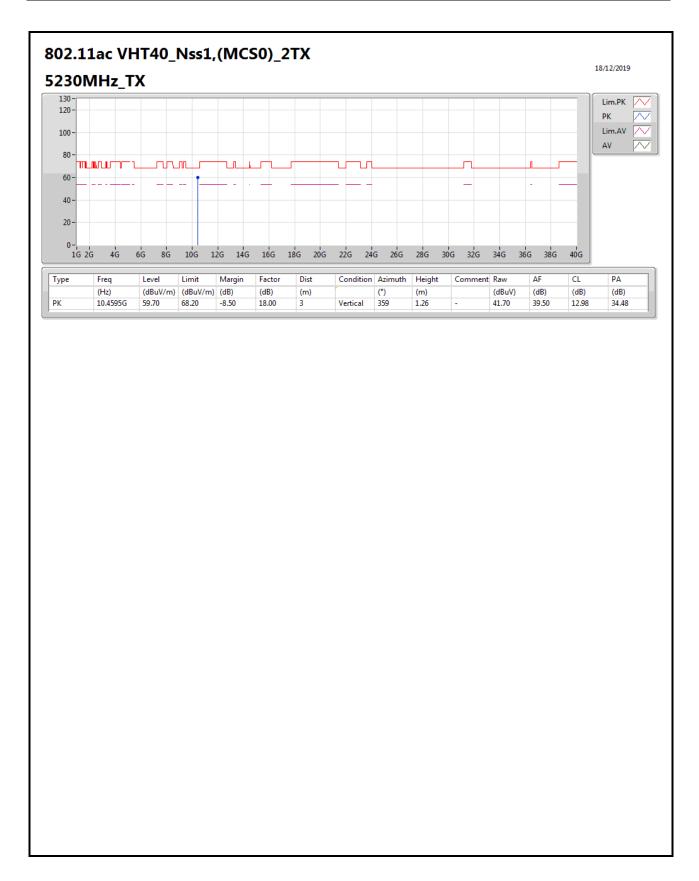


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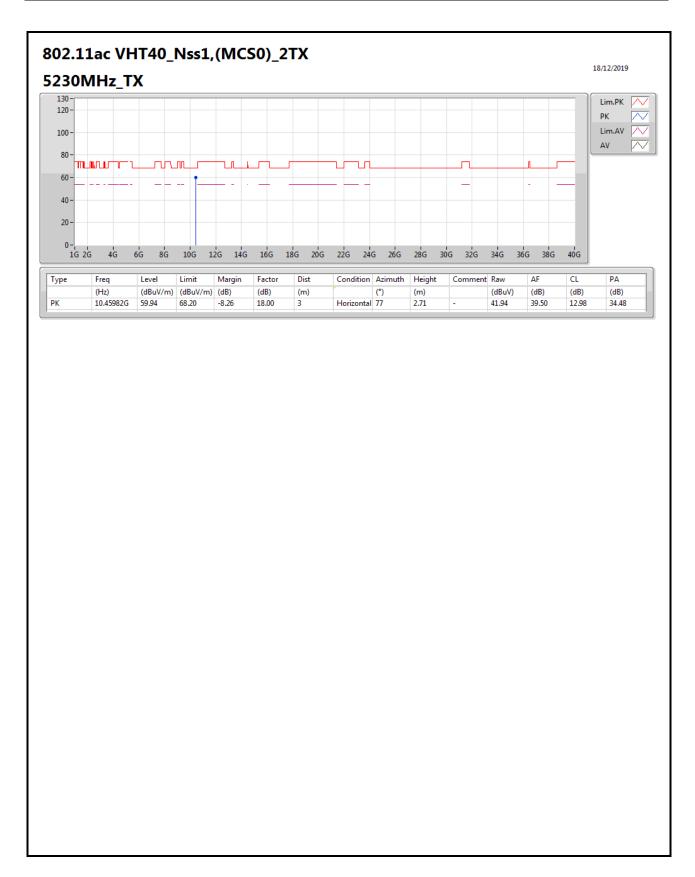




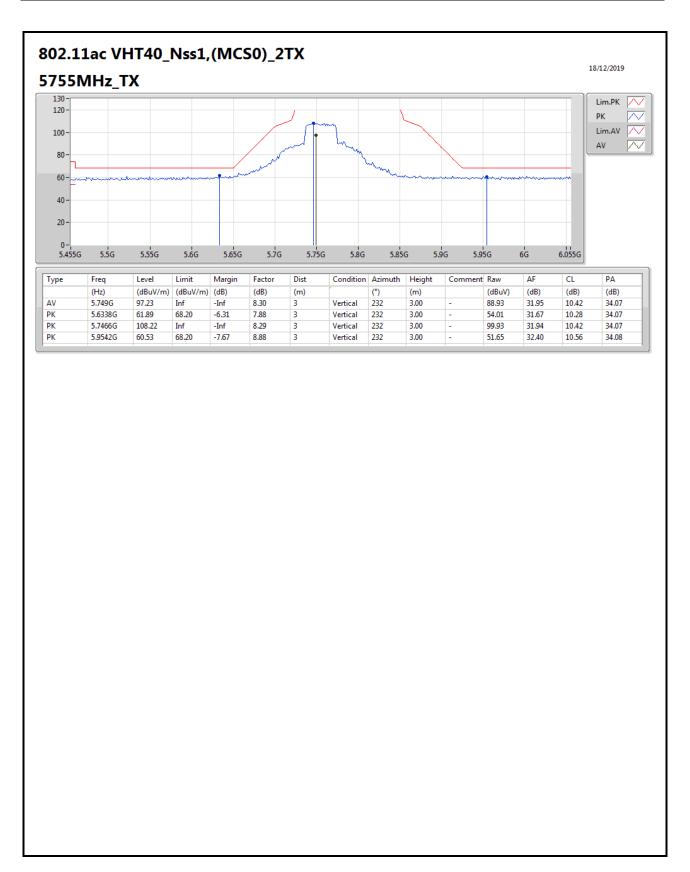


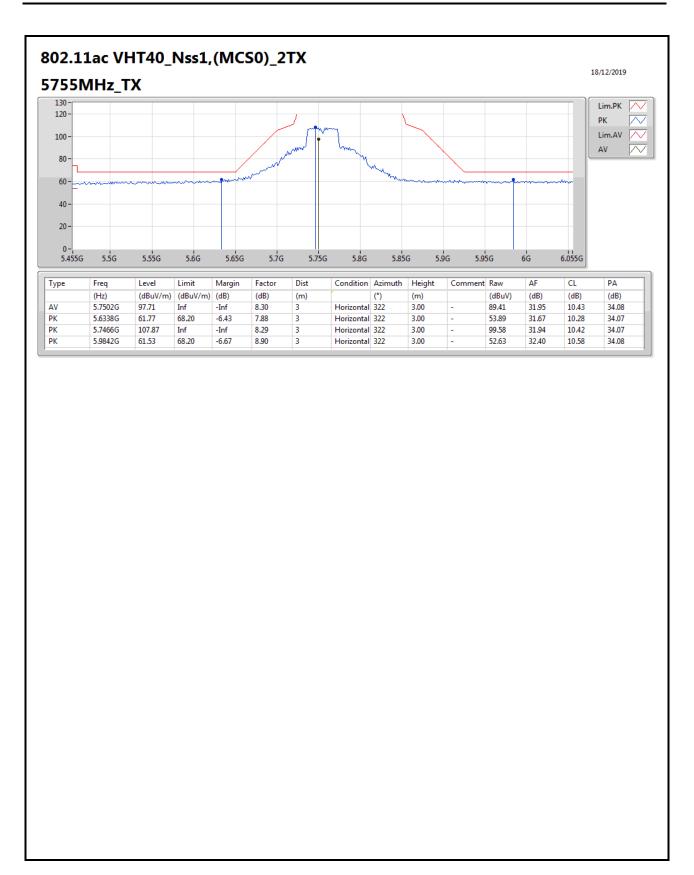




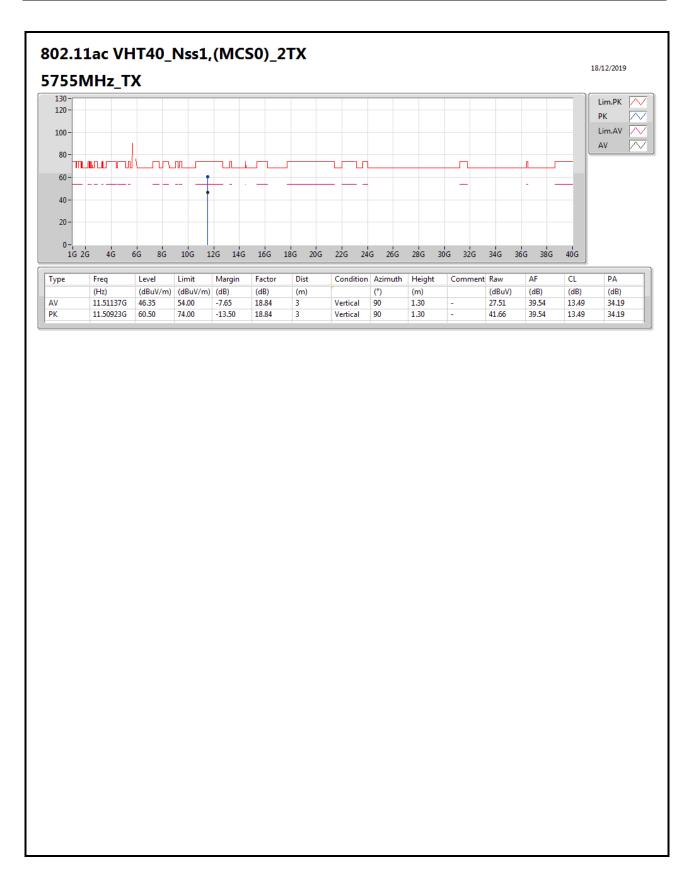


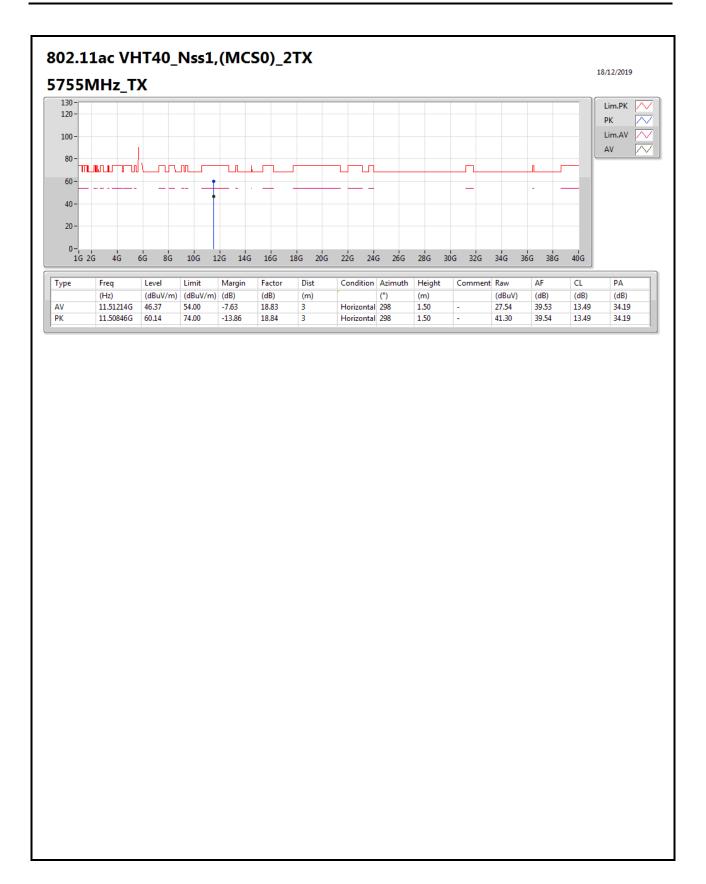




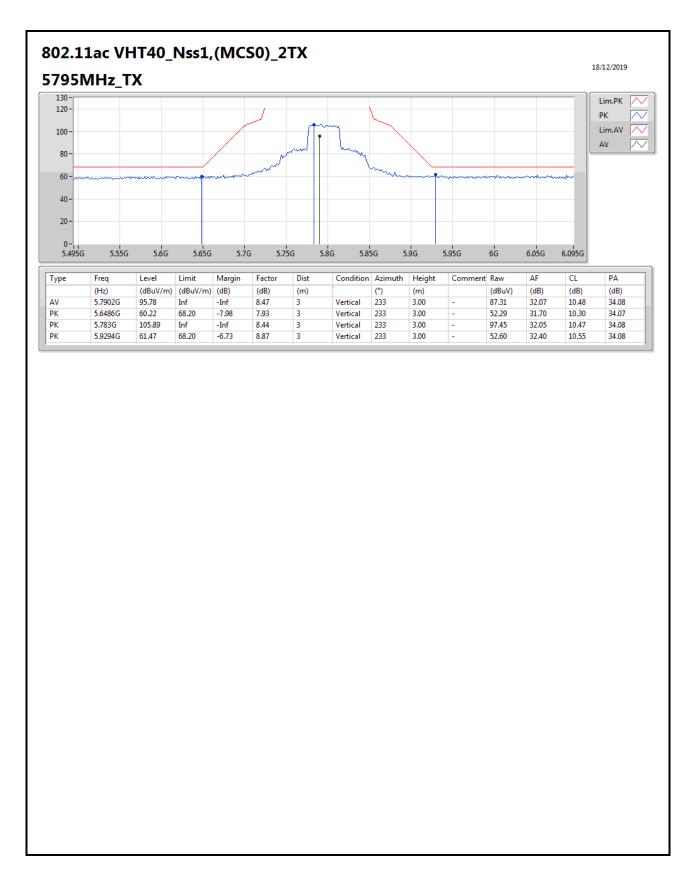




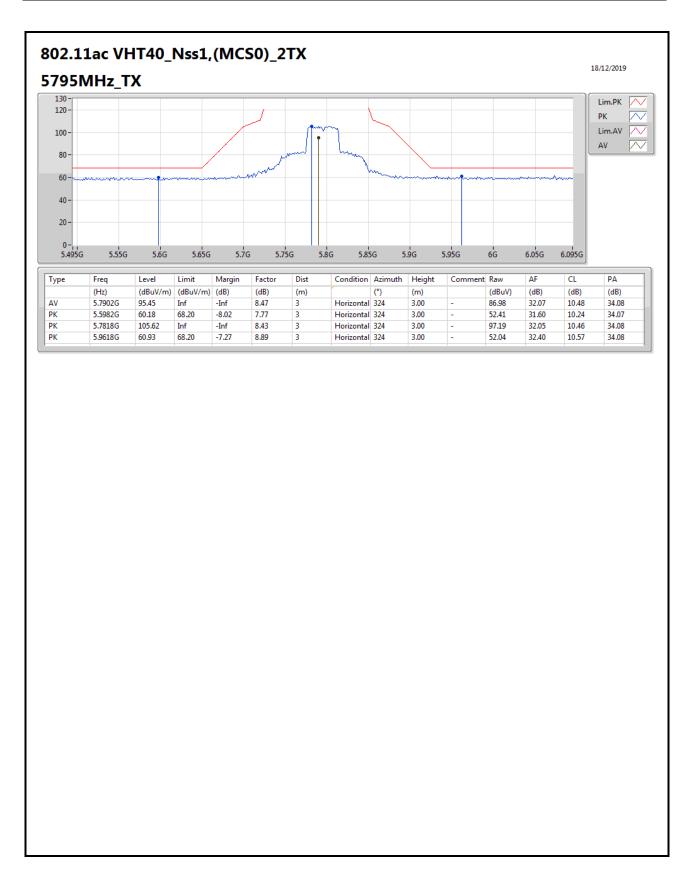




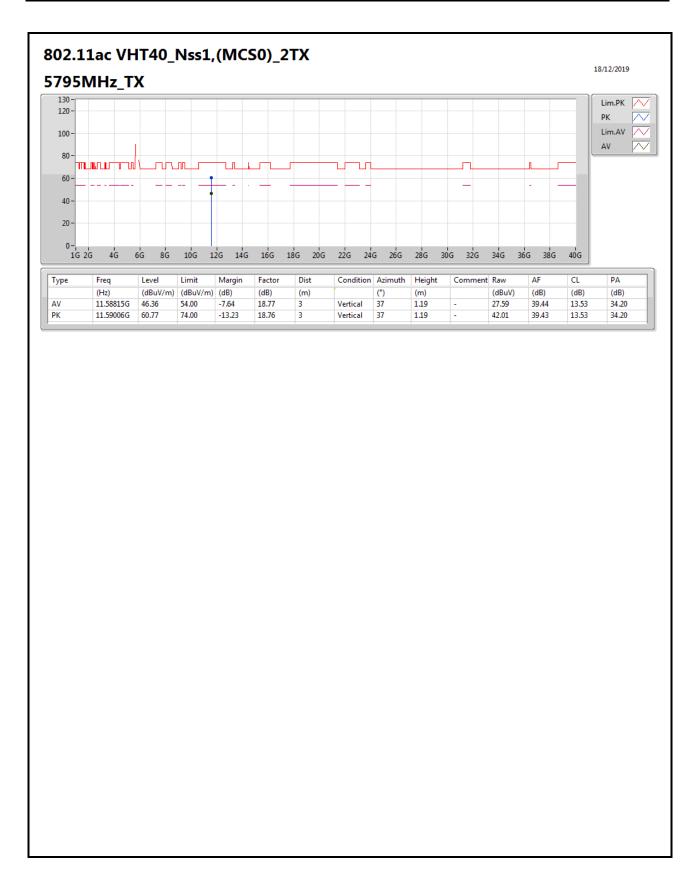




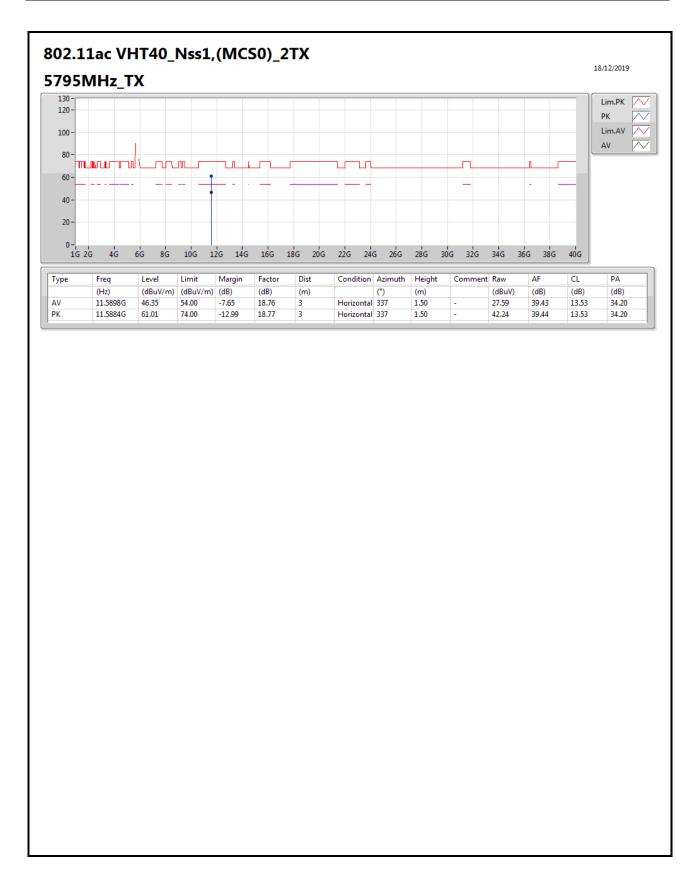




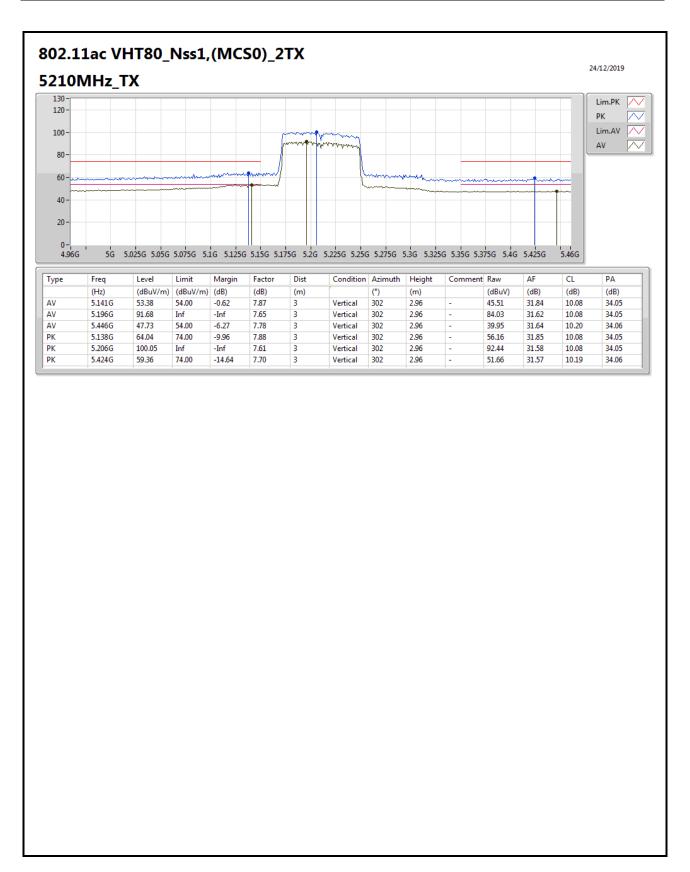




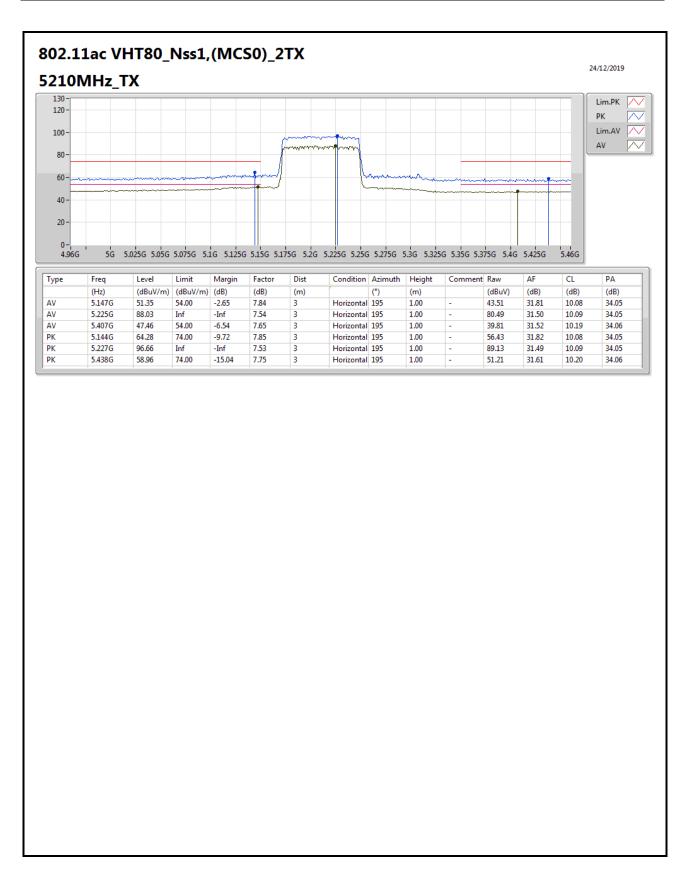


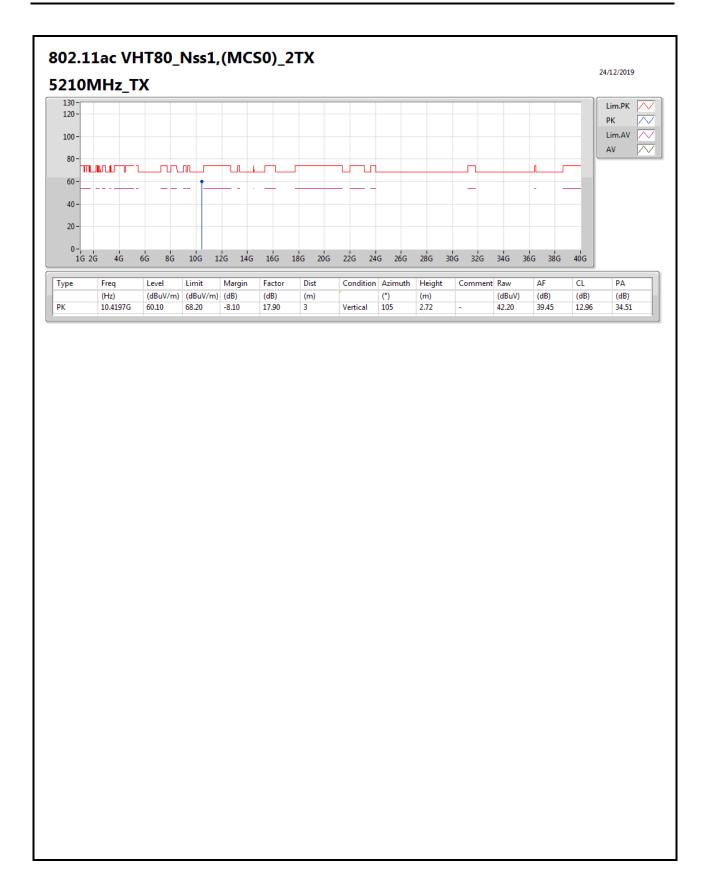


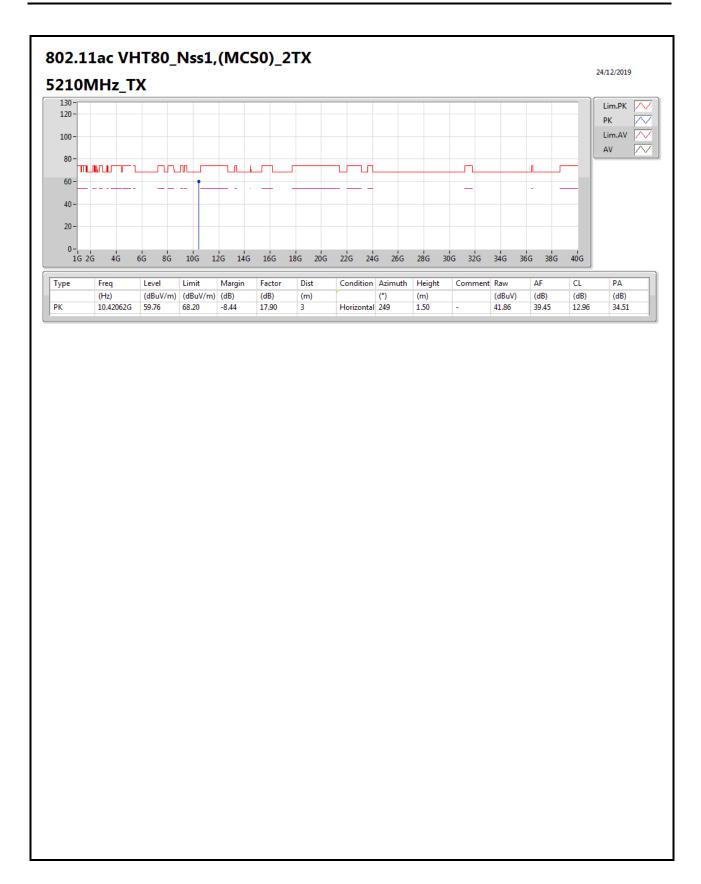


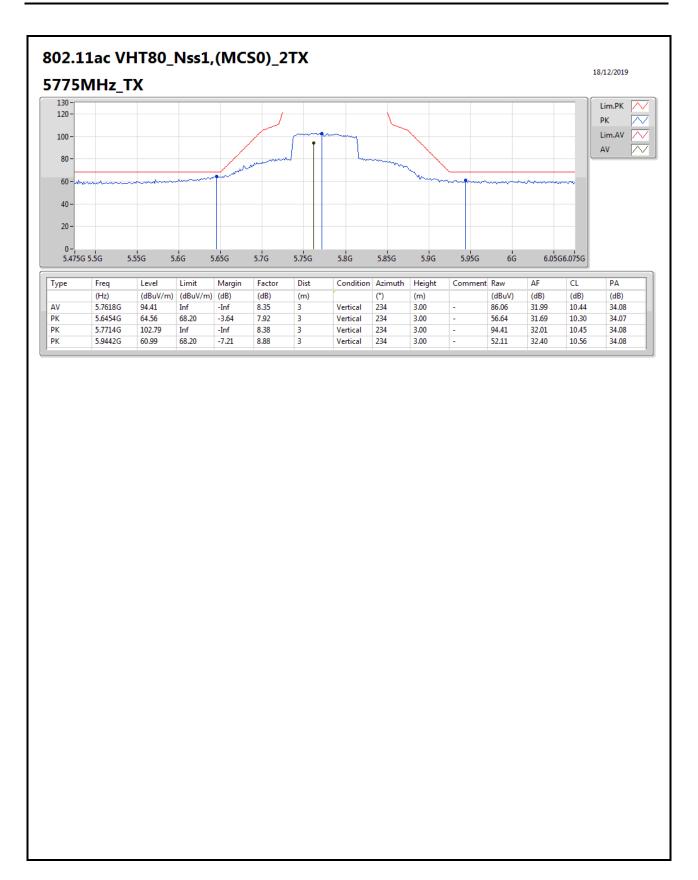


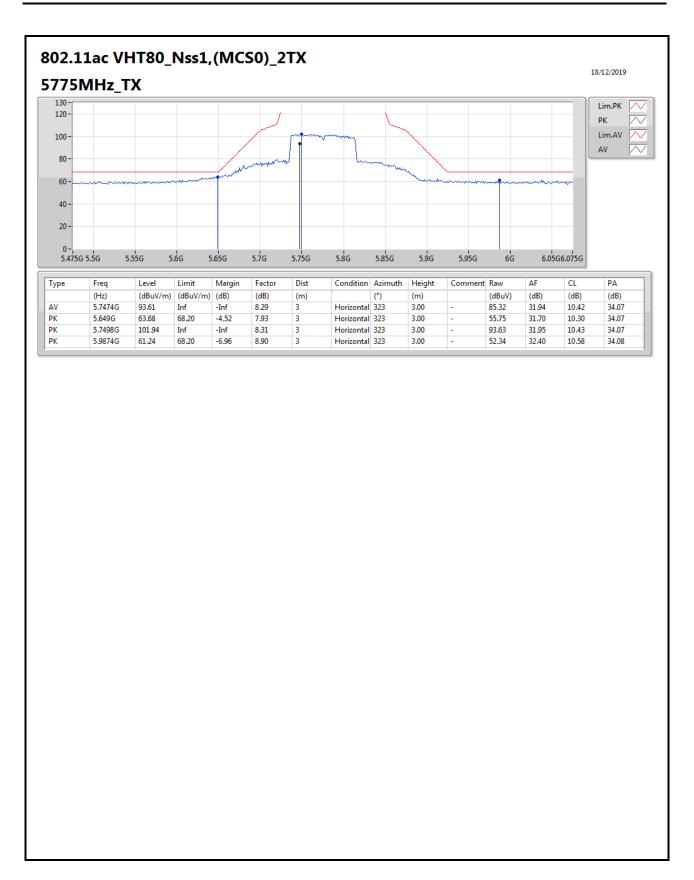




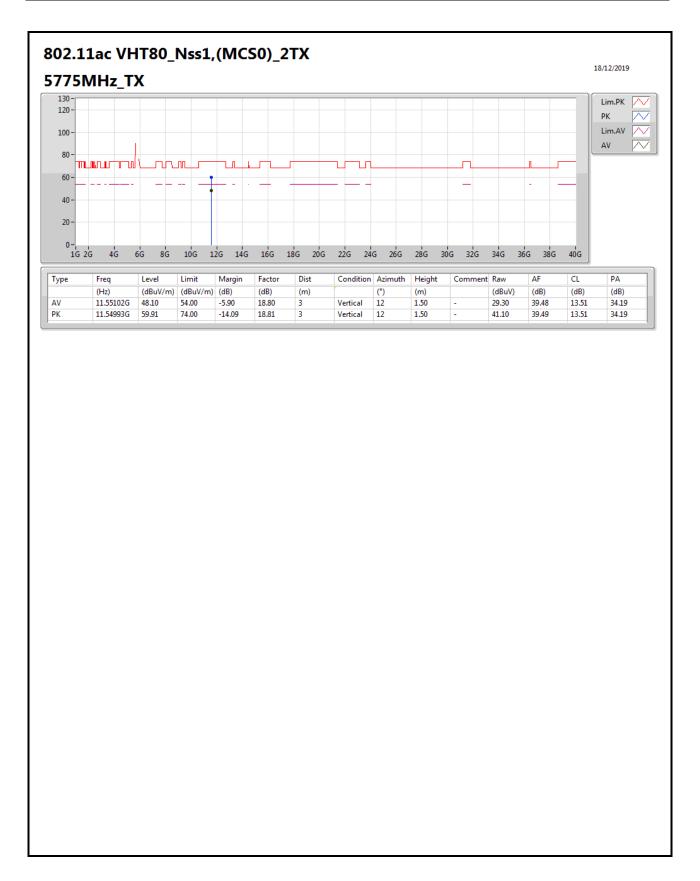






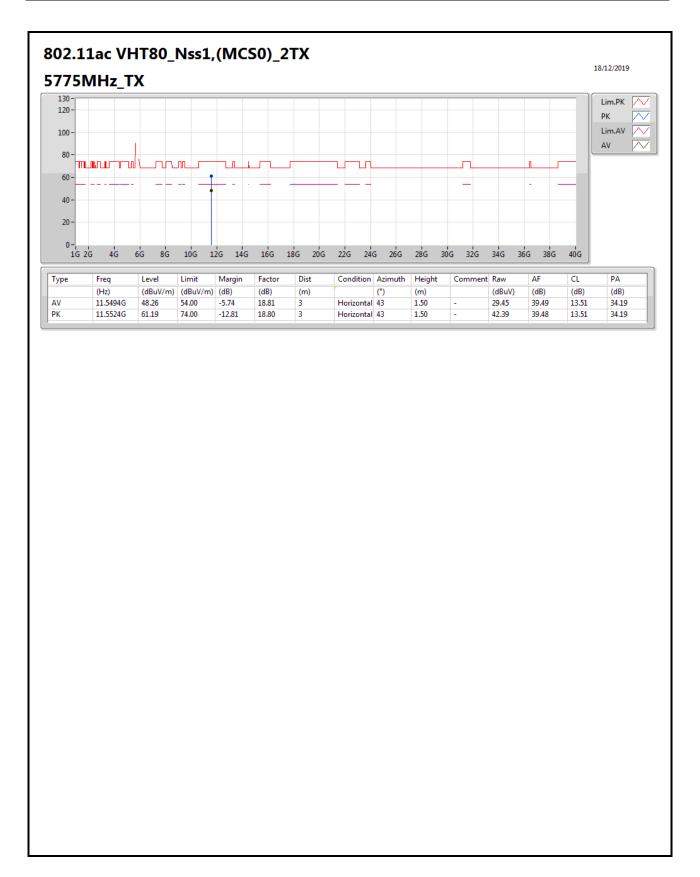






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