



# **FCC Test Report**

FCC ID : 2AGMRTRM989DB

Equipment : 802.11bgn/Scanning WiFi Radio Module

Brand Name : EVEREST<sup>™</sup> Network Solutions

Model Name : TRM989DB

Applicant : Tembo Systems, Inc.

2933 Bunker Hill lane, Suite 100, Santa

Clara, CA 95054 U.S.A

Manufacturer : Tembo Systems, Inc.

2933 Bunker Hill lane, Suite 100, Santa

Clara, CA 95054 U.S.A

Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 19, 2018, and testing was started from Mar. 19, 2018 and completed on Apr. 09, 2018. We, SPORTON INTERTIONAL 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 INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERTIONAL 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
FR831528-01AC	01	Initial issue of report	Apr. 18, 2018
FR831528-01AC	02	Update Photographs of EUT     Revise host system model name	Apr. 23, 2018

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# **Summary of Test Result**

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

Reviewed by: Jeremy Lin

Report Producer: Jackson Tsai

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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
2400-2483.5	b, g, n (HT20) , ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40) , ac (VHT40)	2422-2452	3-9 [7]

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Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	3TX
2.4-2.4835GHz	802.11g	20	3TX
2.4-2.4835GHz	802.11n HT20	20	3TX
2.4-2.4835GHz	802.11n VHT20	20	3TX
2.4-2.4835GHz	802.11n HT40	40	3TX
2.4-2.4835GHz	802.11n VHT40	40	3TX

#### Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- The EUT supports 5GHz function for receiver only.

#### 1.1.2 Antenna Information

Ant	Brand Holder	Model Name	Antenna Type	Connector	Gain (dBi)	TX Function	Host System Model
Ant.	Tembo Systems Inc.	DCA 000020 000 V	OMNI	I DEV	Note	3TX/3RX	AP24I612
	Terribo Systems inc.	FCA-000020-000-X	Antenna	I-PEX	Note	SINSKA	AF241012

#### Note:

Ant.	Gain (dBi)	Cable loss	True Gain (dBi)	Array Gain (dBi)
	-0.5	0.7	-1.2	4.77

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#### 1.1.3 EUT Information

_								
	Operational Condition							
EU.	Γ Power T	уре	Fro	m Host System				
Bea	ımforming	Function		With beamforming	ng [	$\leq$	Without beamforming	
				Т	Type of	ΕU	т	
	Stand-alo	ne						
	Combine	d (EUT where	e the	radio part is fully	integra	itec	within another device)	
	Combine	d Equipment	- Bra	and Name / Mode	l No.:			
$\boxtimes$	☐ Plug-in radio (EUT intended for a variety of host systems)							
	Host System - Brand Name / Model No.: EVEREST <sup>™</sup> Network Solutions / AP24I612							
	Other:							

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## 1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.026	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.965	0.155	2.067m	1k
802.11ac VHT20	0.962	0.168	1.934m	1k
802.11ac VHT40	0.922	0.353	954.688u	3k

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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:

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- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 v04
- KDB 662911 D01 v02r01

## 1.3 Testing Location Information

	Testing Location								
$\boxtimes$	HWA YA	ADD	ADD : 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	on No. TW1190 with FCC.				
	JHUBEI	ADD	:	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 Designation No. TW0006 with FCC.						

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Barry Xiao	22.5°C / 65%	28/Mar/2018
Radiated	03CH01-HY	Jeff Lin	22.2°C / 51.8%	03/Apr/2018
AC Conduction	CO04-HY	Kevin Pan	22.2°C / 51.8%	09/Apr/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
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 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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2 Test Configuration of EUT

## 2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

## 2.2 Test Channel Mode

<b>Test Software Version</b>	QCARCT Ver 3.0.197.0
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Mode	Power Setting	
802.11b_Nss1,(1Mbps)_3TX	-	
2412MHz	18	
2437MHz	18	
2462MHz	18	
802.11g_Nss1,(6Mbps)_3TX	-	
2412MHz	18	
2437MHz	18	
2462MHz	18	
802.11ac VHT20_Nss1,(MCS0)_3TX	-	
2412MHz	18	
2437MHz	18	
2462MHz	18	
802.11ac VHT40_Nss1,(MCS0)_3TX	-	
2422MHz	17	
2427MHz	18	
2437MHz	18	
2447MHz	18	
2452MHz	17.5	

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## 2.3 The Worst Case Measurement Configuration

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

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	The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands	
Test Condition	Conducted measurement at transmit chains	

Th	The Worst Case Mode for Following Conformance Tests		
Tests Item	Emissions in Restricted Fr	equency Bands	
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		
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 Support Equipment

	Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID	
1	Notebook	DELL	E5410	DoC	
2	Adapter for NB	DELL	HA65NM130	DoC	
3	AC Source	GW	APS-9102	-	
4	Fixture	EVEREST <sup>IM</sup> Network Solutions	AP24I612	-	

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

	Support Equipment – Radiated Emission			
No.	Equipment	Brand Name	Model Name	FCC ID
1	Fixture	EVEREST <sup>™</sup> Network Solutions	AP24I612	-
2	AC Adapter	DELTA	ADP-66CR B	DoC

Note: Support equipment No.1 and 2 was provided by customer.

	Support Equipment – AC Conduction				
No.	No. Equipment Brand Name Model Name FCC ID				
1	Fixture	EVEREST <sup>IM</sup> Network Solutions	AP24I612	-	
2	AC Adapter	DELTA	ADP-66CR B	DoC	
3	Notebook	DELL	E5530	DoC	
4	Notebook	DELL	E5530	DoC	

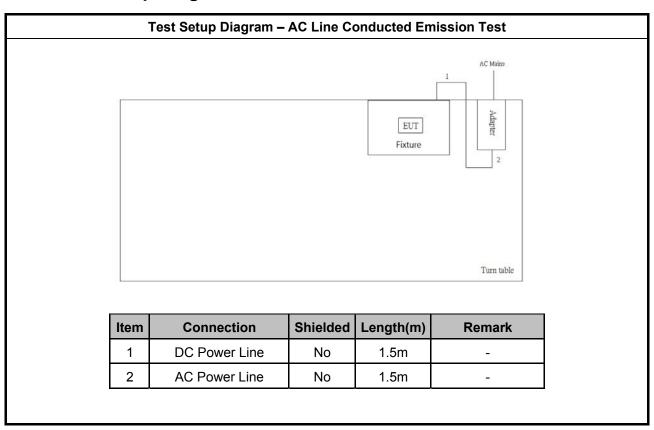
Note: Support equipment No.1 and 2 was provided by customer.

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## 2.5 Test Setup Diagram



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AC Power Line

## Test Setup Diagram – Radiated Test **AC Mains** 2 1 Adapter **EUT Fixture** Turn Table Shielded Item Connection Length(m) Remark 1 DC Power Line No 1.5m

No

1.5m

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### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

#### 3.1.1 AC Power-line Conducted Emissions Limit

AC Power	er-line Conducted Emissions L	imit
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

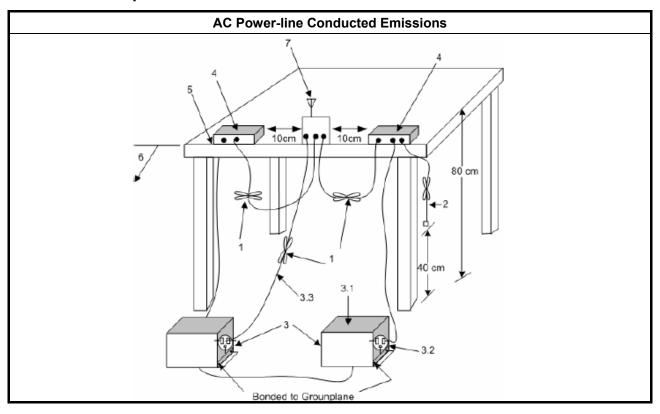
#### 3.1.2 Measuring Instruments

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

#### 3.1.3 Test Procedures

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

#### 3.1.4 Test Setup



#### 3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

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#### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
■ 6 dB bandwidth ≥ 500 kHz.

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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 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.					
	Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.					
	Refer as RSS-Gen, clause 6.6 for for occupied bandwidth testing.					
	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.					

## 3.2.4 Test Setup

Emission Bandwidth					
Spectrum Analyzer					

#### 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

Мах	Maximum Conducted Output Power Limit								
	•	If $G_{TX} \le 6$ dBi, then $P_{Out} \le 30$ dBm (1 W)							
	■ Point-to-multipoint systems (P2M): If G <sub>TX</sub> > 6 dBi, then P <sub>Out</sub> = 30 – (G <sub>TX</sub> – 6) dBm								
	•	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm							
	•	Smart antenna system (SAS):							
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm							
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm							
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm							
e.i.r	.p. P	ower Limit:							
•	240	0-2483.5 MHz Band							
	•	Point-to-multipoint systems (P2M): P <sub>eirp</sub> ≤ 36 dBm (4 W)							
	•	Point-to-point systems (P2P): $P_{eirp} \le MAX(36, [P_{Out} + G_{TX}]) dBm$							
	•	Smart antenna system (SAS)							
		- Single beam: P <sub>eirp</sub> ≤ MAX(36, P <sub>Out</sub> + G <sub>TX</sub> ) dBm							
	- Overlap beam: P <sub>eirp</sub> ≤ MAX(36, P <sub>Out</sub> + G <sub>TX</sub> ) dBm								
	- Aggregate power on all beams: P <sub>eirp</sub> ≤ MAX(36, [P <sub>Out</sub> + G <sub>TX</sub> + 8]) dBm								
		aximum peak conducted output power or maximum conducted output power in dBm, e 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.

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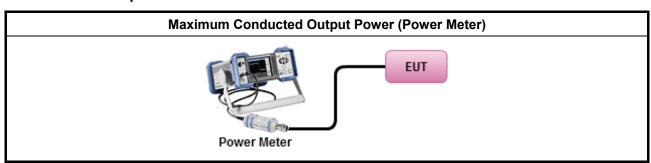
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#### 3.3.3 Test Procedures

	Test Method
•	Maximum Peak Conducted Output Power
	☐ Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
	☐ Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
•	Maximum Average Conducted Output Power
	Duty cycle ≥ 98%
	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Duty cycle < 98%
	Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (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 <sub>total</sub> = P <sub>1</sub> + P <sub>2</sub> + + P <sub>n</sub> (calculated in linear unit [mW] and transfer to log unit [dBm])  EIRP <sub>total</sub> = P <sub>total</sub> + DG

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## 3.3.4 Test Setup



## 3.3.5 Test Result of Maximum Conducted Output Power

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#### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

#### **Power Spectral Density Limit**

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Power Spectral Density (PSD) ≤ 8 dBm/3kHz

#### 3.4.2 Measuring Instruments

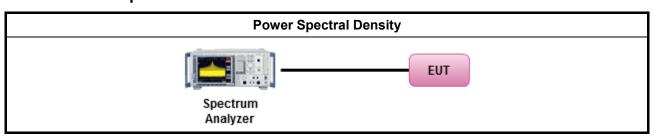
Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

#### **Test Method**

- Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
  - Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).
- For 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.

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

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#### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit				
RF output power procedure	Limit (dB)			
Peak output power procedure	20			
Average output power procedure	30			

- Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.
- Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

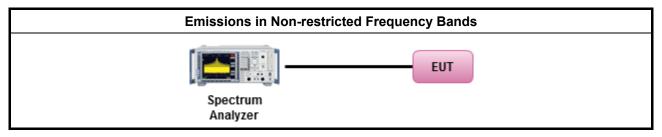
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

# Test Method ■ Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

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## 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

#### 3.6.2 Measuring Instruments

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

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FCC Test Report

#### 3.6.3 Test Procedures

#### **Test Method**

- The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
- Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
- For the transmitter unwanted emissions shall be measured using following options below:
  - Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
    - Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW≥1/T.
    - Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
- For the transmitter band-edge emissions shall be measured using following options below:
  - Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
  - Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
  - Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
- For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.
  - For conducted unwanted emissions into restricted bands (absolute emission limits).
     Devices with multiple transmit chains using options given below:
    - (1) Measure and sum the spectra across the outputs or
    - (2) Measure and add 10 log(N) dB
  - For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

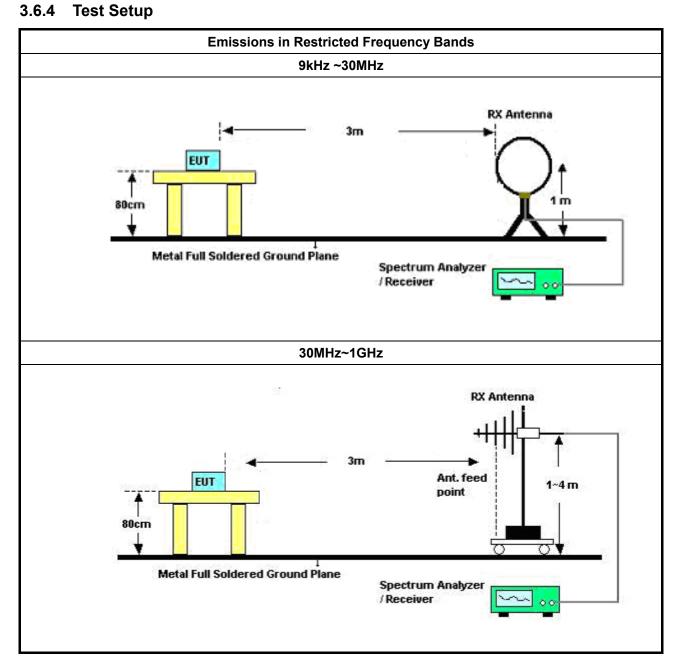
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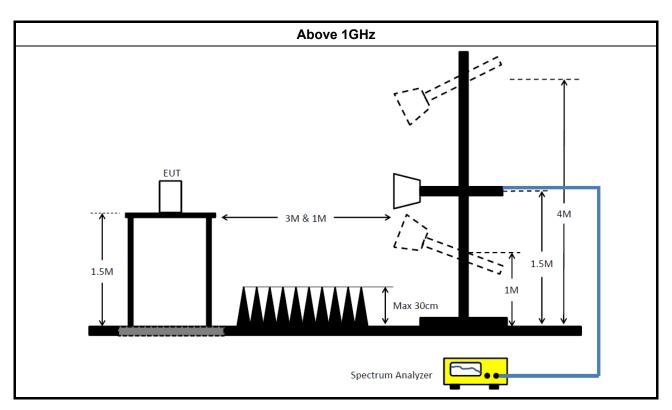
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## 3.6.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

## 3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

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# 4 Test Equipment and Calibration Data

#### **Instrument for AC Conduction**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9 kHz ~ 3.6 GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9 kHz ~ 30 MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNE R	RG213/U	07611832020001	9 kHz ~ 30 MHz	06/Oct/2017	05/Oct/2018
AC POWER	APC	AFC-11005G	F310050055	47 Hz ~ 63 Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2017	11/Oct/2018

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NCR : Non-Calibration Require

#### **Instrument for Radiated Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz ~ 1 GHz 3m	31/Oct/2017	30/Oct/2018
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1 GHz ~ 18 GHz 3m	01/Nov/2017	31/Oct/2018
Amplifier	HP	8447D	2944A08033	10 kHz ~ 1.3 GHz	19/Apr/2017	18/Apr/2018
Amplifier	Keysight	83017A	MY53270196	1 GHz ~ 26.5 GHz	31/Aug/2017	30/Aug/2018
Spectrum	R&S	FSV40	101500	9 kHz ~ 40 GHz	28/Jun/2017	27/Jun/2018
Receiver	R&S	ESR3	102052	9 kHz ~ 3.6 GHz	29/Apr/2017	28/Apr/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9 kHz ~ 1 GHz	26/Jan/2018	25/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX106	CB222	1 GHz ~ 40 GHz	26/Jan/2018	25/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	22237	30 MHz ~ 1 GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18 GHz ~ 40 GHz	09/Feb/2018	08/Feb/2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1531	1 GHz ~ 18 GHz	25/Apr/2017	24/Apr/2018
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz ~ 30 MHz	16/Mar/2018	15/Mar/2019

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## FCC Test Report

**Instrument for Conducted Test** 

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9 kHz ~ 40 GHz	29/Dec/2017	28/Dec/2018
Signal Generator	R&S	SMR40	100116	10 MHz ~ 40 GHz	27/Jul/2017	26/Jul/2018
Power Sensor	Anritsu	MA2411B	0917017	300 MHz ~ 40 GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300 MHz ~ 40 GHz	05/Feb/2018	04/Feb/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30 MHz ~ 26.5 GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10712/4	30 MHz ~ 26.5 GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30 MHz ~ 26.5 GHz	25/Aug/2017	24/Aug/2018

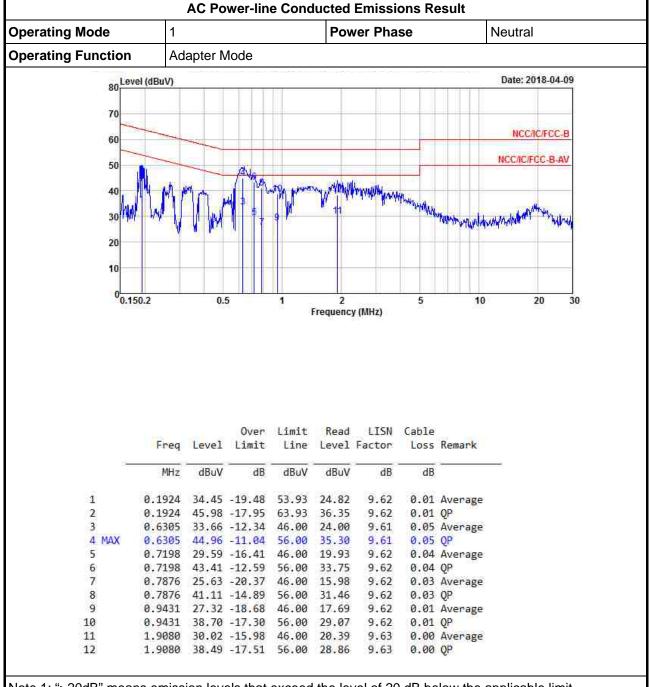
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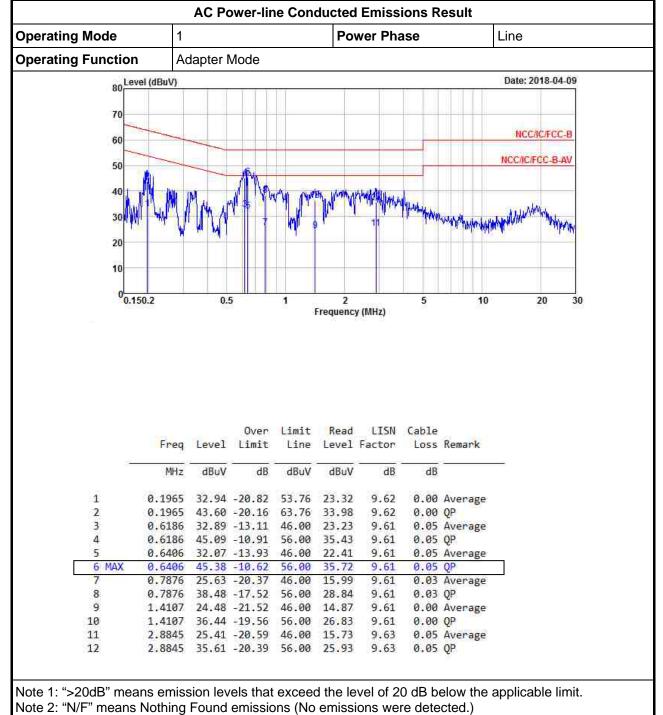


Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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EBW Result Appendix B

**Summary** 

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	11.05M	13.968M	14M0G1D	9.575M	13.818M
802.11g_Nss1,(6Mbps)_3TX	16.325M	16.517M	16M5D1D	16.025M	16.442M
802.11ac VHT20_Nss1,(MCS0)_3TX	17.525M	17.691M	17M7D1D	16.25M	17.641M
802.11ac VHT40_Nss1,(MCS0)_3TX	35.65M	36.182M	36M2D1D	35M	36.082M

**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth; **Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

#### Result

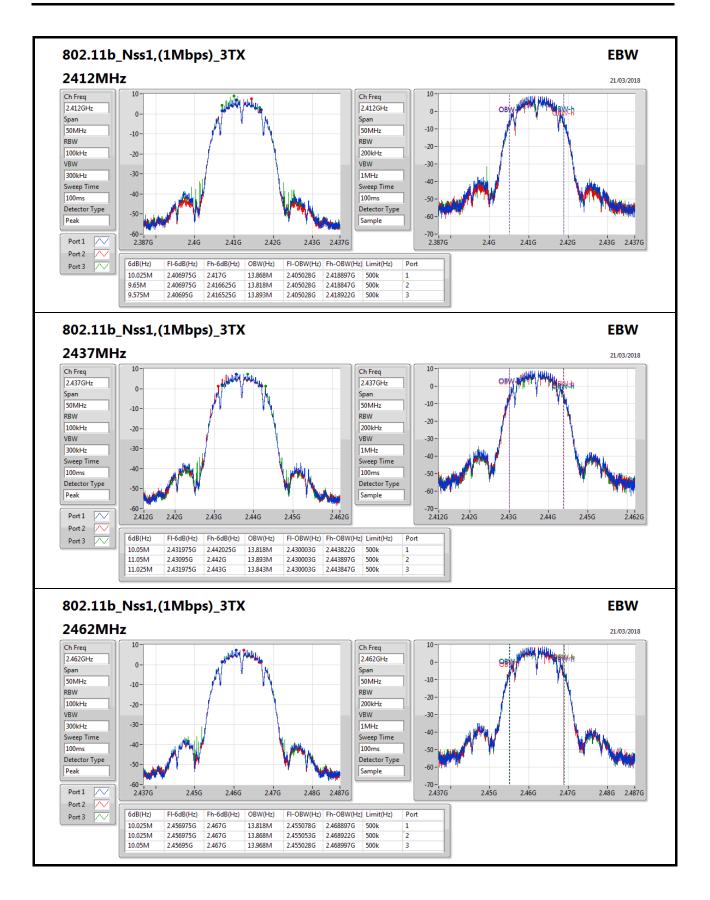
Mode	Result	Limit	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW	Port 3-N dB	Port 3-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10.025M	13.868M	9.65M	13.818M	9.575M	13.893M
2437MHz_TnomVnom	Pass	500k	10.05M	13.818M	11.05M	13.893M	11.025M	13.843M
2462MHz_TnomVnom	Pass	500k	10.025M	13.818M	10.025M	13.868M	10.05M	13.968M
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.275M	16.467M	16.325M	16.517M	16.3M	16.467M
2437MHz_TnomVnom	Pass	500k	16.325M	16.492M	16.025M	16.492M	16.05M	16.442M
2462MHz_TnomVnom	Pass	500k	16.05M	16.517M	16.325M	16.517M	16.325M	16.442M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.775M	17.641M	17.175M	17.691M	16.5M	17.691M
2437MHz_TnomVnom	Pass	500k	16.8M	17.666M	16.775M	17.641M	16.75M	17.666M
2462MHz_TnomVnom	Pass	500k	17.525M	17.691M	17.275M	17.666M	16.25M	17.666M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.35M	36.082M	35.65M	36.132M	35.65M	36.132M
2437MHz_TnomVnom	Pass	500k	35.05M	36.082M	35.35M	36.182M	35.35M	36.082M
2452MHz_TnomVnom	Pass	500k	35.15M	36.132M	35M	36.082M	35.25M	36.132M

Port X-N dB = Port X 6dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;

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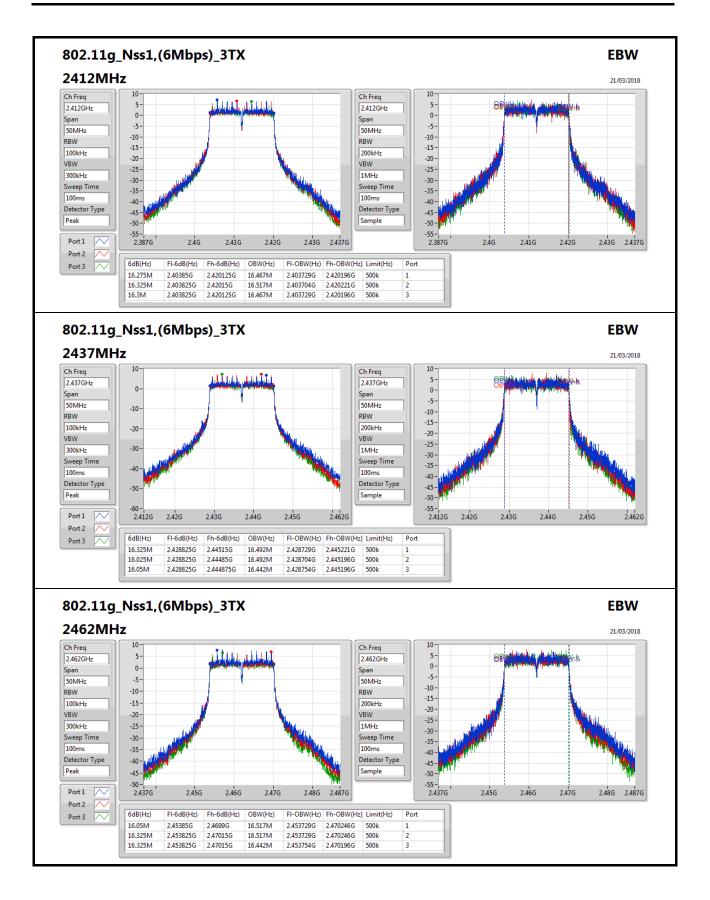
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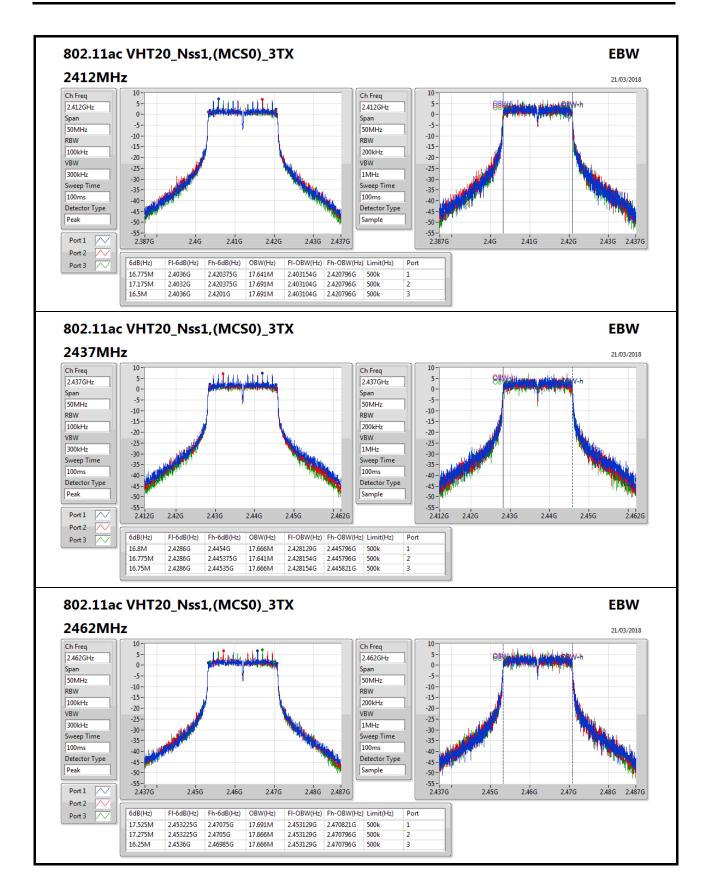
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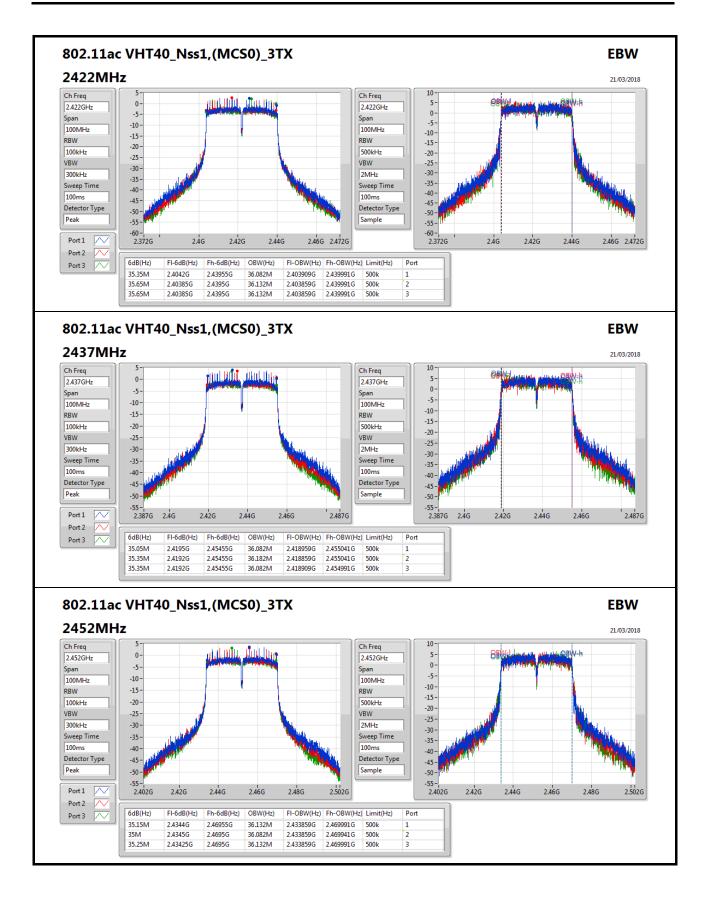




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AV Power Result Appendix C

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_3TX	22.83	0.19187
802.11g_Nss1,(6Mbps)_3TX	22.88	0.19409
802.11ac VHT20_Nss1,(MCS0)_3TX	22.83	0.19187
802.11ac VHT40_Nss1,(MCS0)_3TX	22.23	0.16711

#### Result

Mode	Result	DG	Port 1	Port 2	Port 3	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	_	-	-	-
2412MHz_TnomVnom	Pass	-1.20	17.84	17.95	17.96	22.69	30.00
2437MHz_TnomVnom	Pass	-1.20	18.11	18.05	18.01	22.83	30.00
2462MHz_TnomVnom	Pass	-1.20	18.09	18.03	18.03	22.82	30.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.20	17.81	17.76	17.54	22.48	30.00
2437MHz_TnomVnom	Pass	-1.20	18.35	17.98	17.75	22.80	30.00
2462MHz_TnomVnom	Pass	-1.20	18.38	18.14	17.78	22.88	30.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	-1.20	17.74	17.76	17.56	22.46	30.00
2437MHz_TnomVnom	Pass	-1.20	18.29	17.94	17.66	22.74	30.00
2462MHz_TnomVnom	Pass	-1.20	18.27	18.11	17.78	22.83	30.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	-1.20	16.27	16.18	15.99	20.92	30.00
2427MHz_TnomVnom	Pass	-1.20	17.42	17.25	17.02	22.00	30.00
2437MHz_TnomVnom	Pass	-1.20	17.60	17.41	17.10	22.15	30.00
2447MHz_TnomVnom	Pass	-1.20	17.79	17.44	17.12	22.23	30.00
2452MHz_TnomVnom	Pass	-1.20	17.23	17.06	16.62	21.75	30.00

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

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**PSD** Result Appendix D

**Summary** 

Mode	PD		
	(dBm/RBW)		
2.4-2.4835GHz			
802.11b_Nss1,(1Mbps)_3TX	-2.96		
802.11g_Nss1,(6Mbps)_3TX	-6.55		
802.11ac VHT20_Nss1,(MCS0)_3TX	-6.74		
802.11ac VHT40_Nss1,(MCS0)_3TX	-8.98		

RBW=3kHz.

#### Result

Mode	Result	DG	Port 1	Port 2	Port 3	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11b_Nss1,(1Mbps)_3TX	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.57	-7.83	-7.98	-2.96	-2.96	8.00
2437MHz_TnomVnom	Pass	3.57	-9.96	-9.86	-7.96	-5.78	8.00
2462MHz_TnomVnom	Pass	3.57	-3.11	-9.20	-8.23	-3.11	8.00
802.11g_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.57	-10.36	-10.88	-10.68	-7.16	8.00
2437MHz_TnomVnom	Pass	3.57	-10.56	-9.77	-10.30	-6.75	8.00
2462MHz_TnomVnom	Pass	3.57	-8.58	-10.08	-11.21	-6.55	8.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	3.57	-9.67	-10.43	-9.74	-7.22	8.00
2437MHz_TnomVnom	Pass	3.57	-9.31	-10.61	-9.55	-6.74	8.00
2462MHz_TnomVnom	Pass	3.57	-9.60	-9.12	-10.60	-7.07	8.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	3.57	-13.92	-13.93	-13.75	-10.14	8.00
2437MHz_TnomVnom	Pass	3.57	-12.90	-10.95	-12.40	-8.98	8.00
2452MHz_TnomVnom	Pass	3.57	-13.13	-13.52	-11.64	-9.50	8.00

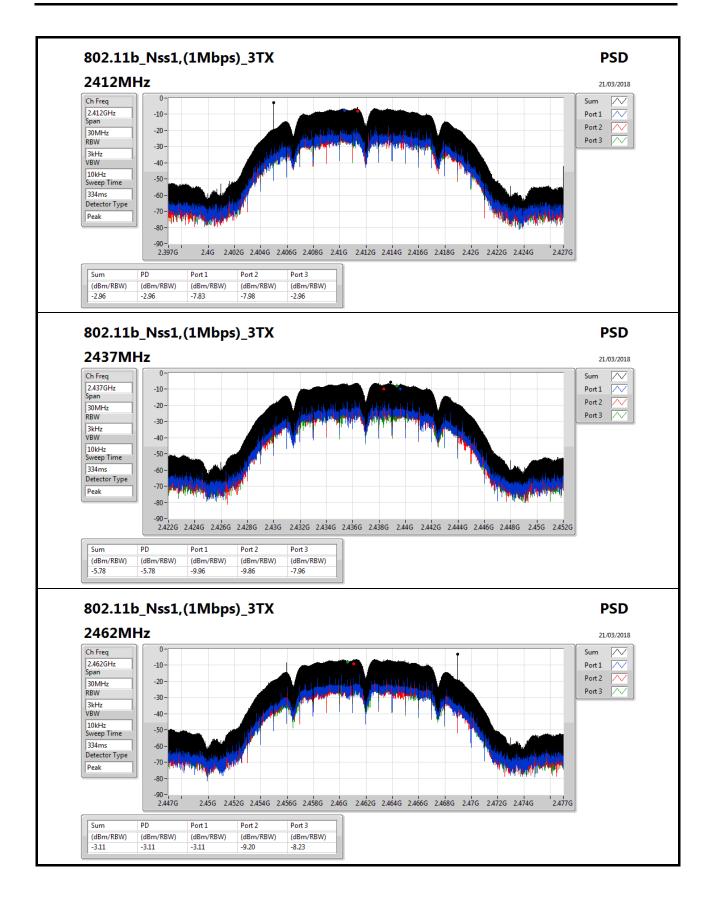
DG = Directional Gain; RBW=3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

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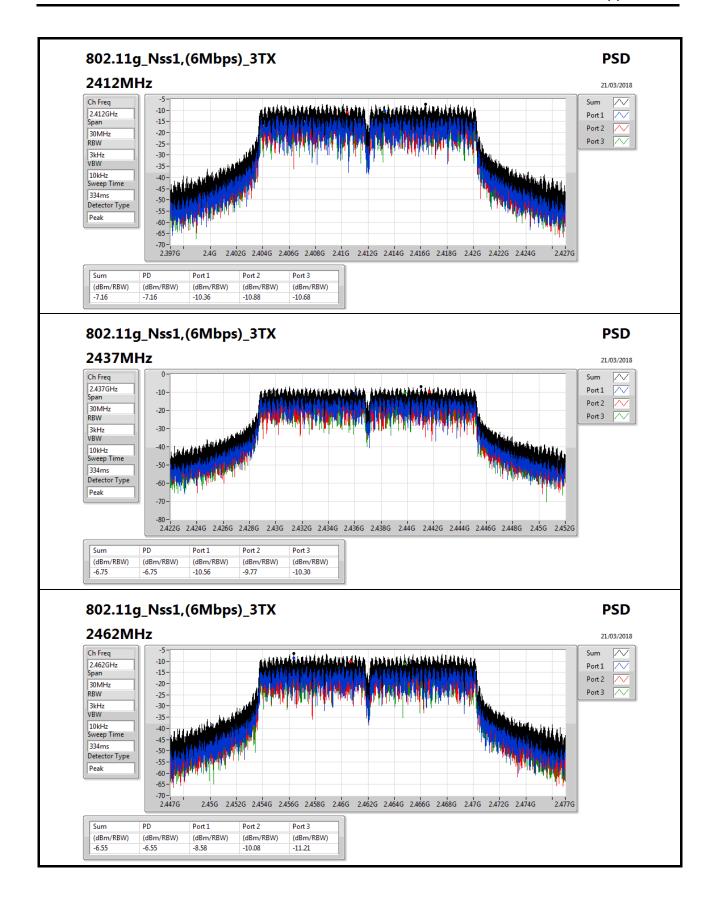
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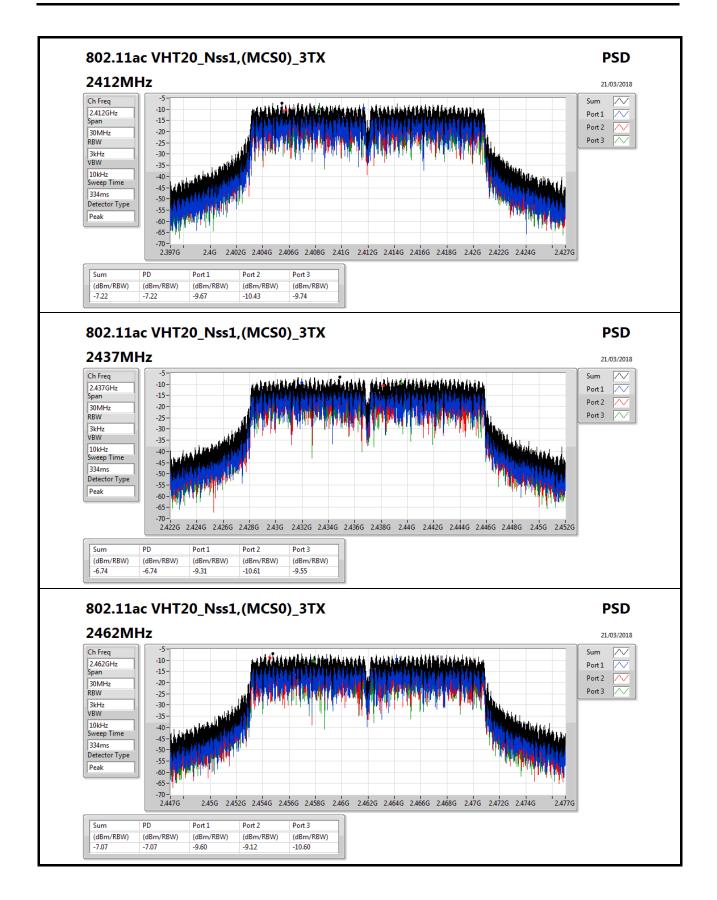




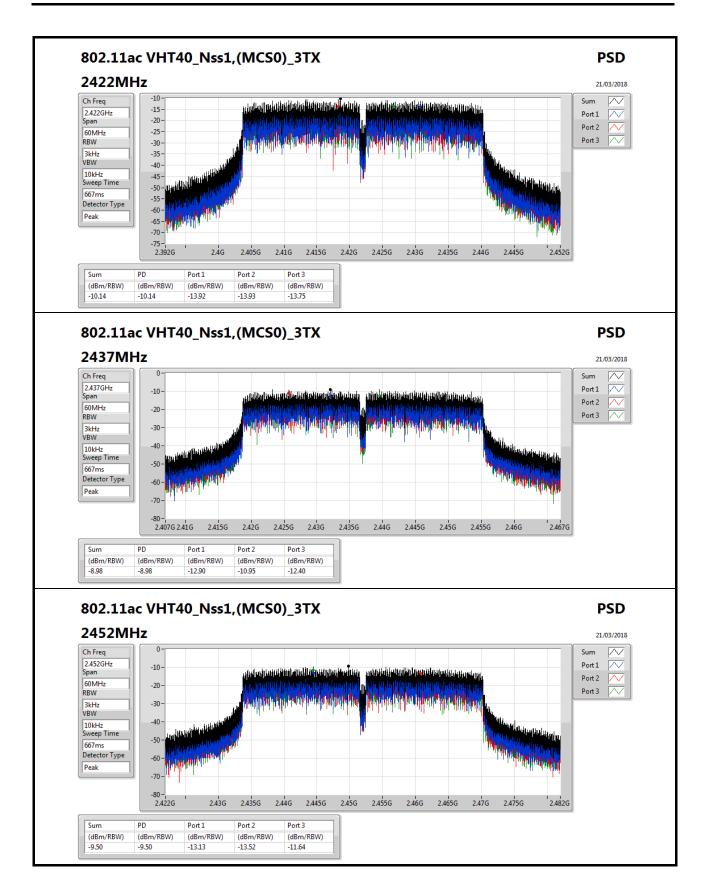
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#### **CSE Non-restricted Band Result**

Appendix E

Summary

Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
2.4-2.4835GHz		-	-	-	-	-	-	-	-	-	-		-
802.11b_Nss1,(1Mbps)_3TX	Pass	2.435404G	7.46	-22.54	1.61906G	-59.87	2.39752G	-37.44	2.50814G	-56.53	6.749082G	-54.56	1
802.11g_Nss1,(6Mbps)_3TX	Pass	2.465798G	6.86	-23.14	2.305245G	-59.47	2.39984G	-24.83	2.50102G	-57.09	6.976657G	-52.40	2
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	2.464462G	7.31	-22.69	2.30175G	-60.52	2.39992G	-24.55	2.4959G	-56.68	6.937323G	-52.90	2
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	2.432064G	3.93	-26.07	2.309695G	-59.41	2.39888G	-28.17	2.48622G	-55.84	6.949836G	-53.47	1

#### Result

Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	
802.11b_Nss1,(1Mbps)_3TX	-	-	-		-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	1.61906G	-59.87	2.39752G	-37.44	2.50814G	-56.53	6.749082G	-54.56	1
2412MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.30408G	-59.60	2.39752G	-39.26	2.49894G	-56.52	6.914846G	-53.42	2
2412MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.116515G	-59.20	2.39752G	-40.84	2.51214G	-56.30	6.985085G	-53.66	3
2437MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.302915G	-59.24	2.39264G	-56.71	2.48974G	-55.78	6.979466G	-53.75	1
2437MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.300585G	-58.71	2.39928G	-54.74	2.49302G	-56.22	6.406315G	-54.05	2
2437MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.14331G	-59.79	2.39336G	-54.88	2.5027G	-55.63	6.940132G	-54.19	3
2462MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.30408G	-59.38	2.3936G	-56.42	2.48374G	-52.72	6.926084G	-53.17	1
2462MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.302915G	-60.48	2.39336G	-54.99	2.48358G	-53.44	6.931704G	-53.83	2
2462MHz_TnomVnom	Pass	2.435404G	7.46	-22.54	2.30408G	-59.40	2.39496G	-54.97	2.48414G	-53.41	6.95699G	-52.74	3
802.11g_Nss1,(6Mbps)_3TX		-	-	-	-	-	-	-	-	-	-		-
2412MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.30874G	-57.91	2.39984G	-24.99	2.51758G	-54.52	6.858655G	-54.25	1
2412MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.305245G	-59.47	2.39984G	-24.83	2.50102G	-57.09	6.976657G	-52.40	2
2412MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	1.85905G	-59.38	2.39976G	-25.62	2.51486G	-56.22	6.867084G	-53.73	3
2437MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.30641G	-57.67	2.39976G	-52.53	2.48982G	-53.77	6.218075G	-52.76	1
2437MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.30175G	-58.91	2.39944G	-53.45	2.48766G	-54.75	6.386648G	-53.66	2
2437MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.305245G	-59.06	2.3996G	-52.99	2.50406G	-55.36	6.779987G	-53.54	3
2462MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.30874G	-58.08	2.39824G	-55.78	2.48382G	-37.10	6.779987G	-52.87	1
2462MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.30641G	-59.05	2.39448G	-53.31	2.48382G	-38.51	6.434411G	-53.65	2
2462MHz_TnomVnom	Pass	2.465798G	6.86	-23.14	2.302915G	-59.02	2.39416G	-55.79	2.48382G	-41.84	6.962609G	-53.71	3
802.11ac VHT20_Nss1,(MCS0)_3TX		-	-	-	-	-	-	-	-		-		-
2412MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.30175G	-57.87	2.39952G	-25.37	2.50246G	-55.09	6.749082G	-53.55	1
2412MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.30175G	-60.52	2.39992G	-24.55	2.4959G	-56.68	6.937323G	-52.90	2
2412MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.30408G	-59.65	2.39952G	-26.00	2.49238G	-55.68	6.973847G	-52.65	3
2437MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.300585G	-57.38	2.39992G	-50.57	2.48446G	-53.72	6.779987G	-52.56	1
2437MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.30641G	-60.15	2.39984G	-52.17	2.48798G	-55.77	5.754497G	-52.38	2
2437MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.151465G	-59.87	2.3964G	-53.08	2.52166G	-55.62	6.996324G	-54.29	3
2462MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.300585G	-57.43	2.39472G	-54.58	2.48478G	-37.22	6.993514G	-53.65	1
2462MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.300585G	-58.16	2.39808G	-53.34	2.48382G	-38.04	5.599971G	-53.57	2
2462MHz_TnomVnom	Pass	2.464462G	7.31	-22.69	2.30641G	-58.39	2.39872G	-55.28	2.48358G	-41.73	6.976657G	-53.21	3
802.11ac VHT40_Nss1,(MCS0)_3TX	-	*			*		*	-	*	-		-	-
2422MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.309695G	-59.41	2.39888G	-28.17	2.48622G	-55.84	6.949836G	-53.47	1
2422MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.160845G	-60.23	2.39888G	-30.19	2.48382G	-55.93	6.994709G	-54.27	2
2422MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.17115G	-59.77	2.39936G	-29.71	2.51438G	-55.82	6.983491G	-52.60	3
2427MHz_TnomVnom													
2437MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.307405G	-57.14	2.39952G	-35.36	2.48574G	-42.83	6.991904G	-52.72	1
2437MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.30855G	-58.88	2.39824G	-38.49	2.48414G	-45.38	6.9891G	-53.87	2
2437MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.025735G	-59.99	2.39984G	-39.14	2.48382G	-43.96	6.924595G	-53.61	3
2447MHz_TnomVnom													

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# **CSE Non-restricted Band Result**

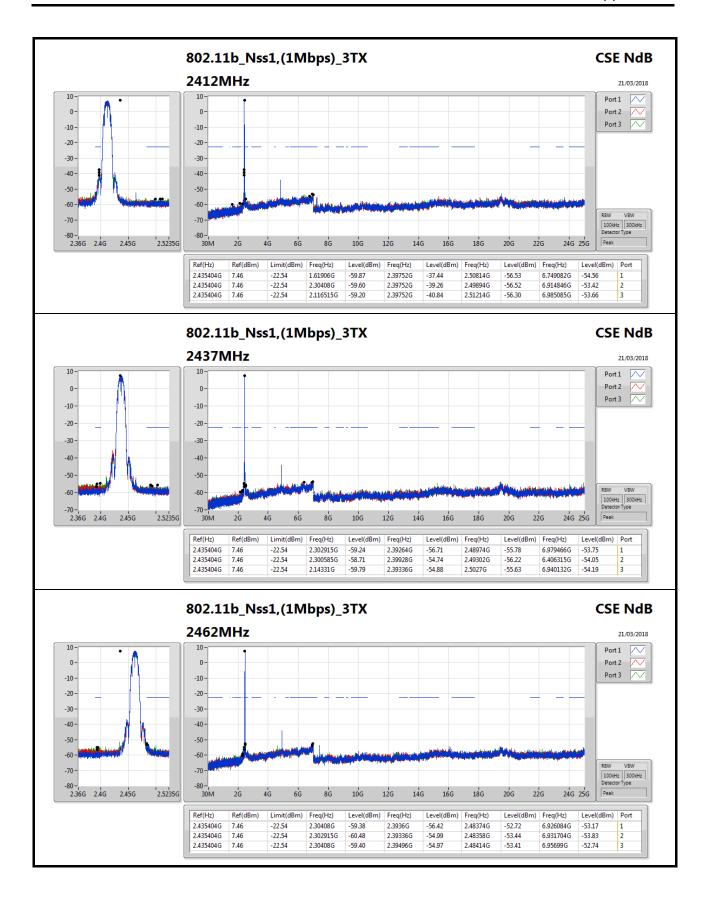
Appendix E

Mode	Result	Ref	Ref	Limit	Freq	Level	Freq	Level	Freq	Level	Freq	Level	Port
		(Hz)	(dBm)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	(Hz)	(dBm)	1
2452MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.305115G	-58.62	2.39952G	-47.29	2.48382G	-34.31	6.397337G	-52.81	1
2452MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.30855G	-60.35	2.3968G	-48.89	2.48446G	-36.32	6.986295G	-53.83	2
2452MHz_TnomVnom	Pass	2.432064G	3.93	-26.07	2.14825G	-59.67	2.3968G	-49.35	2.48382G	-34.68	6.994709G	-52.79	3

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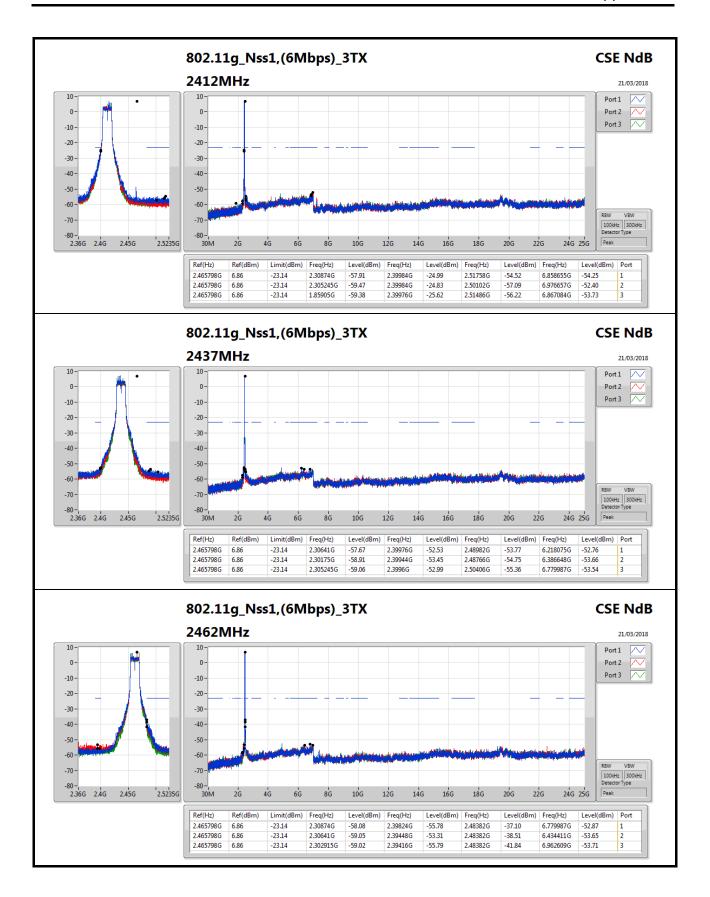
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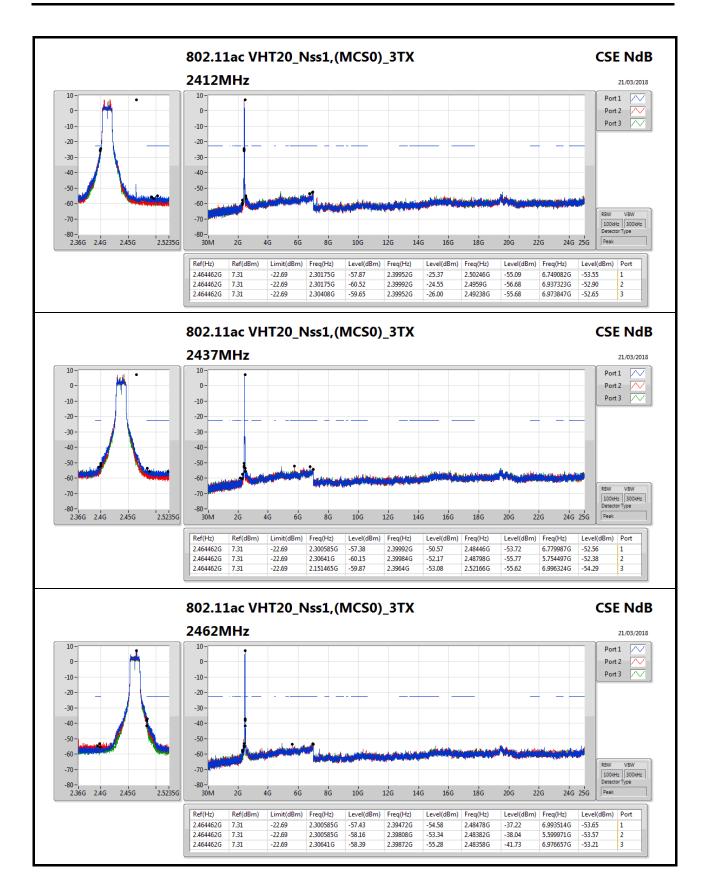
TEL: 886-3-327-3456 FAX: 886-3-327-0973





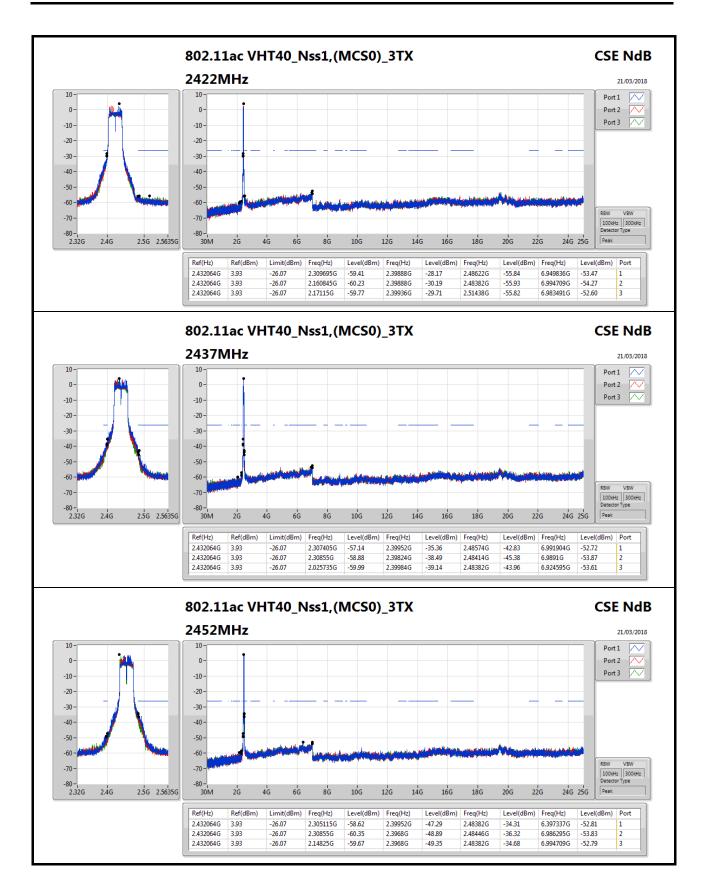
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# RSE TX below 1GHz Result

Appendix F

Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	PK	455.956522M	42.77	46.00	-3.23	-2.84	3	Vertical	0	1.00	-

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# RSE TX below 1GHz Result

# Appendix F

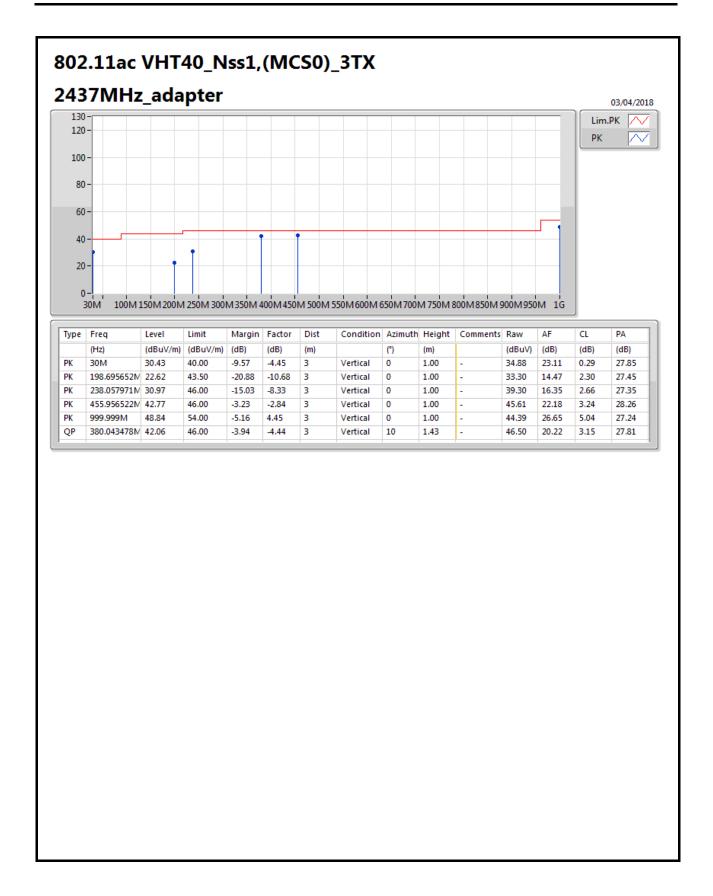
#### Result

Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	25.47	40.00	-14.53	-4.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	238.057971M	40.25	46.00	-5.75	-8.33	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	288.666667M	37.03	46.00	-8.97	-6.04	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	439.086957M	41.56	46.00	-4.44	-3.08	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	791.942029M	42.10	46.00	-3.90	1.27	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	999.999M	48.25	54.00	-5.75	4.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	30M	30.43	40.00	-9.57	-4.45	3	Vertical	0	1.00	-
2437MHz	Pass	PK	198.695652M	22.62	43.50	-20.88	-10.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	238.057971M	30.97	46.00	-15.03	-8.33	3	Vertical	0	1.00	-
2437MHz	Pass	PK	455.956522M	42.77	46.00	-3.23	-2.84	3	Vertical	0	1.00	-
2437MHz	Pass	PK	999.999M	48.84	54.00	-5.16	4.45	3	Vertical	0	1.00	-
2437MHz	Pass	QP	380.043478M	42.06	46.00	-3.94	-4.44	3	Vertical	10	1.43	-

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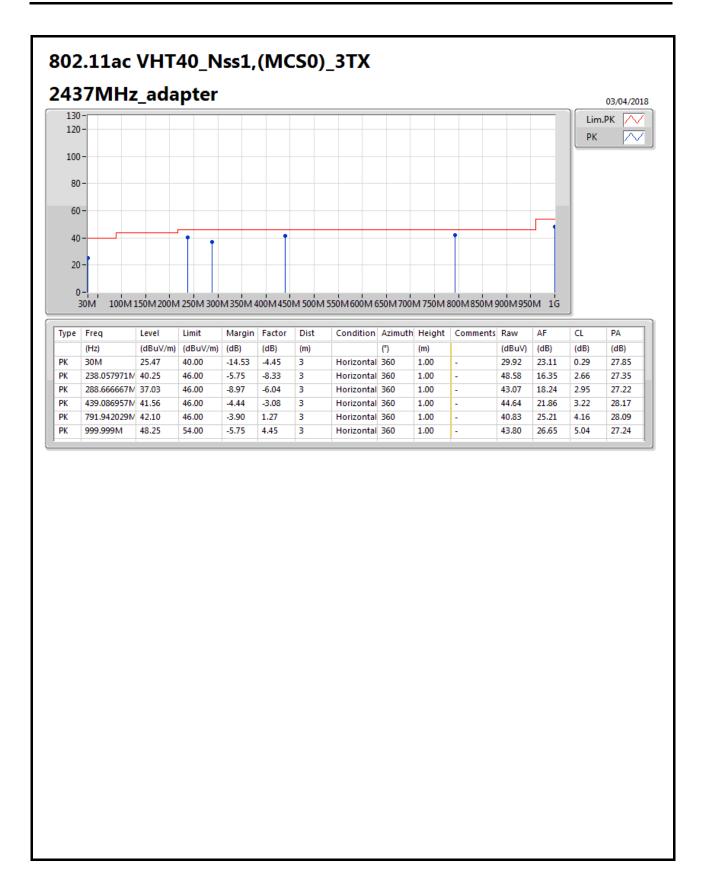
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Appendix F

Summary

Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_3TX	Pass	AV	7.31172G	53.57	54.00	-0.43	24.80	3	Vertical	351	1.50	-
802.11g_Nss1,(6Mbps)_3TX	Pass	AV	2.389998G	53.43	54.00	-0.57	30.57	3	Vertical	87	1.74	-
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	2.4846G	53.60	54.00	-0.40	30.92	3	Horizontal	29	2.87	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	AV	2.4848G	53.88	54.00	-0.12	30.92	3	Vertical	30	2.09	-

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Appendix F

#### Result

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Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
802.11b_Nss1,(1Mbps)_3TX	-		-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	45.52	54.00	-8.48	30.57	3	Horizontal	14	1.84	-
2412MHz	Pass	AV	2.4112G	101.64	Inf	-Inf	30.65	3	Horizontal	14	1.84	-
2412MHz	Pass	PK	2.374G	55.90	74.00	-18.10	30.52	3	Horizontal	14	1.84	-
2412MHz	Pass	PK	2.4112G	103.34	Inf	-Inf	30.65	3	Horizontal	14	1.84	-
2412MHz	Pass	AV	2.3898G	45.07	54.00	-8.93	30.57	3	Vertical	88	1.48	-
2412MHz	Pass	AV	2.411G	99.39	Inf	-Inf	30.65	3	Vertical	88	1.48	-
2412MHz	Pass	PK	2.3752G	55.98	74.00	-18.02	30.52	3	Vertical	88	1.48	-
2412MHz	Pass	PK	2.4112G	101.19	Inf	-Inf	30.65	3	Vertical	88	1.48	-
2412MHz	Pass	AV	4.82394G	34.25	54.00	-19.75	3.13	3	Horizontal	340	1.50	-
2412MHz	Pass	PK	4.82388G	43.99	74.00	-30.01	3.13	3	Horizontal	340	1.50	-
2412MHz	Pass	AV	4.824G	36.00	54.00	-18.00	3.13	3	Vertical	345	1.90	-
2412MHz	Pass	PK	4.82382G	45.17	74.00	-28.83	3.13	3	Vertical	345	1.90	-
2437MHz	Pass	AV	2.389G	44.82	54.00	-9.18	30.57	3	Horizontal	24	1.98	
2437MHz	Pass	AV	2.4334G	99.75	Inf	-Inf	30.73	3	Horizontal	24	1.98	-
2437MHz	Pass	AV	2.4982G	45.64	54.00	-8.36	30.96	3	Horizontal	24	1.98	
2437MHz	Pass	PK	2.353G	55.76	74.00	-18.24	30.45	3	Horizontal	24	1.98	
2437MHz	Pass	PK	2.433G	101.35	Inf	-Inf	30.73	3	Horizontal	24	1.98	
2437MHz	Pass	PK	2.4942G	56.54	74.00	-17.46	30.95	3	Horizontal	24	1.98	-
2437MHz	Pass	AV	2.3894G	44.82	54.00	-9.18	30.57	3	Vertical	1	2.98	-
2437MHz	Pass	AV	2.435G	99.44	Inf	-Inf	30.74	3	Vertical	1	2.98	
2437MHz	Pass	AV	2.4914G	45.56	54.00	-8.44	30.94	3	Vertical	1	2.98	-
2437MHz	Pass	PK	2.3898G	55.72	74.00	-18.28	30.57	3	Vertical	1	2.98	-
2437MHz	Pass	PK	2.4342G	100.95	Inf	-Inf	30.73	3	Vertical	1	2.98	-
2437MHz	Pass	PK	2.483502G	56.59	74.00	-17.41	30.91	3	Vertical	1	2.98	-
2437MHz	Pass	AV	7.30938G	51.74	54.00	-2.26	24.79	3	Horizontal	80	1.26	-
2437MHz	Pass	PK	7.32342G	65.34	74.00	-8.66	24.86	3	Horizontal	80	1.26	-
2437MHz	Pass	AV	7.31172G	53.57	54.00	-0.43	24.80	3	Vertical	351	1.50	
2437MHz	Pass	PK	7.31202G	66.10	74.00	-7.90	24.80	3	Vertical	351	1.50	-
2462MHz	Pass	AV	2.4648G	100.01	Inf	-Inf	30.84	3	Horizontal	26	1.87	
2462MHz	Pass	AV	2.4936G	45.63	54.00	-8.37	30.94	3	Horizontal	26	1.87	
2462MHz	Pass	PK	2.4648G	102.29	Inf	-Inf	30.84	3	Horizontal	26	1.87	
2462MHz	Pass	PK	2.486G	56.40	74.00	-17.60	30.92	3	Horizontal	26	1.87	_
2462MHz	Pass	AV	2.4602G	96.55	Inf	-Inf	30.83	3	Vertical	74	1.50	_
2462MHz	Pass	AV	2.499998G	45.61	54.00	-8.39	30.97	3	Vertical	74	1.50	
2462MHz	Pass	PK	2.46G	97.84	Inf	-Inf	30.83	3	Vertical	74	1.50	
2462MHz	Pass	PK	2.4918G	55.61	74.00	-18.39	30.94	3	Vertical	74	1.50	-
2462MHz	Pass	AV	7.39476G	37.30	54.00	-16.70	9.62	3	Horizontal	53	1.97	_
2462MHz	Pass	PK	7.38234G	51.12	74.00	-22.88	9.56	3	Horizontal	53	1.97	_
2462MHz	Pass	AV	7.38822G	39.82	54.00	-14.18	9.59	3	Vertical	356	2.63	-
2462MHz	Pass	PK	7.38402G	51.69	74.00	-22.31	9.57	3	Vertical	356	2.63	
802.11g_Nss1,(6Mbps)_3TX		-						-				
2412MHz	Pass	AV	2.389998G	52.32	54.00	-1.68	30.57	3	- Horizontal	22	2.01	-
2412MHz			2.389998G 2.41G	99.34				3		22		-
	Pass	AV			Inf	-Inf	30.65		Horizontal		2.01	
2412MHz	Pass	PK	2.3894G	63.26	74.00	-10.74	30.57	3	Horizontal	22	2.01	-
2412MHz	Pass	PK AV	2.41G	106.26	Inf	-Inf	30.65	3	Horizontal	22	2.01	-
2412MHz	Pass	AV	2.389998G	53.43	54.00	-0.57	30.57	3	Vertical	87	1.74	-
2412MHz	Pass	AV	2.4104G	97.49	Inf	-Inf	30.65	3	Vertical	87	1.74	-

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Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2412MHz	Pass	PK	2.3898G	63.96	74.00	-10.04	30.57	3	Vertical	87	1.74	-
2412MHz	Pass	PK	2.4102G	104.01	Inf	-Inf	30.65	3	Vertical	87	1.74	-
2412MHz	Pass	AV	4.82112G	31.15	54.00	-22.85	3.13	3	Horizontal	50	2.95	-
2412MHz	Pass	PK	4.83012G	44.63	74.00	-29.37	3.15	3	Horizontal	50	2.95	-
2412MHz	Pass	AV	4.82106G	31.24	54.00	-22.76	3.13	3	Vertical	11	1.50	-
2412MHz	Pass	PK	4.81254G	44.87	74.00	-29.13	3.11	3	Vertical	11	1.50	-
2437MHz	Pass	AV	2.3762G	45.51	54.00	-8.49	30.52	3	Horizontal	41	2.17	-
2437MHz	Pass	AV	2.4338G	97.62	Inf	-Inf	30.73	3	Horizontal	41	2.17	-
2437MHz	Pass	AV	2.4998G	46.34	54.00	-7.66	30.97	3	Horizontal	41	2.17	-
2437MHz	Pass	PK	2.3894G	55.79	74.00	-18.21	30.57	3	Horizontal	41	2.17	-
2437MHz	Pass	PK	2.4338G	105.07	Inf	-Inf	30.73	3	Horizontal	41	2.17	-
2437MHz	Pass	PK	2.487G	56.15	74.00	-17.85	30.92	3	Horizontal	41	2.17	-
2437MHz	Pass	AV	2.3674G	45.51	54.00	-8.49	30.50	3	Vertical	0	1.02	-
2437MHz	Pass	AV	2.4378G	96.54	Inf	-Inf	30.75	3	Vertical	0	1.02	-
2437MHz	Pass	AV	2.487G	46.18	54.00	-7.82	30.92	3	Vertical	0	1.02	-
2437MHz	Pass	PK	2.3818G	55.16	74.00	-18.84	30.55	3	Vertical	0	1.02	-
2437MHz	Pass	PK	2.4374G	103.30	Inf	-Inf	30.74	3	Vertical	0	1.02	-
2437MHz	Pass	PK	2.4934G	55.52	74.00	-18.48	30.94	3	Vertical	0	1.02	-
2437MHz	Pass	AV	7.3104G	37.28	54.00	-16.72	9.25	3	Horizontal	277	1.50	-
2437MHz	Pass	PK	7.31862G	50.47	74.00	-23.53	9.29	3	Horizontal	277	1.50	-
2437MHz	Pass	AV	7.31574G	38.49	54.00	-15.51	9.28	3	Vertical	356	2.68	-
2437MHz	Pass	PK	7.3056G	51.55	74.00	-22.45	9.23	3	Vertical	356	2.68	-
2462MHz	Pass	AV	2.46G	98.07	Inf	-Inf	30.83	3	Horizontal	30	1.67	-
2462MHz	Pass	AV	2.489G	48.80	54.00	-5.20	30.93	3	Horizontal	30	1.67	-
2462MHz	Pass	PK	2.4604G	104.62	Inf	-Inf	30.83	3	Horizontal	30	1.67	-
2462MHz	Pass	PK	2.4896G	61.07	74.00	-12.93	30.93	3	Horizontal	30	1.67	-
2462MHz	Pass	AV	2.4596G	98.31	Inf	-Inf	30.82	3	Vertical	30	2.23	-
2462MHz	Pass	AV	2.4896G	48.66	54.00	-5.34	30.93	3	Vertical	30	2.23	-
2462MHz	Pass	PK	2.4596G	105.15	Inf	-Inf	30.82	3	Vertical	30	2.23	-
2462MHz	Pass	PK	2.489G	60.49	74.00	-13.51	30.93	3	Vertical	30	2.23	-
2462MHz	Pass	AV	7.38432G	38.61	54.00	-15.39	9.57	3	Horizontal	287	1.50	-
2462MHz	Pass	PK	7.3959G	51.78	74.00	-22.22	9.62	3	Horizontal	287	1.50	-
2462MHz	Pass	AV	7.38996G	39.92	54.00	-14.08	9.60	3	Vertical	357	2.52	-
2462MHz	Pass	PK	7.38042G	52.95	74.00	-21.05	9.56	3	Vertical	357	2.52	-
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-		-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	52.68	54.00	-1.32	30.57	3	Horizontal	25	2.28	
2412MHz	Pass	AV	2.4082G	99.81	Inf	-Inf	30.64	3	Horizontal	25	2.28	
2412MHz	Pass	PK	2.3898G	63.64	74.00	-10.36	30.57	3	Horizontal	25	2.28	
2412MHz	Pass	PK	2.4082G	107.63	Inf	-Inf	30.64	3	Horizontal	25	2.28	
2412MHz	Pass	AV	2.389998G	53.41	54.00	-0.59	30.57	3	Vertical	89	1.73	
2412MHz	Pass	AV	2.4086G	97.56	Inf	-Inf	30.64	3	Vertical	89	1.73	
2412MHz	Pass	PK	2.3896G	65.24	74.00	-8.76	30.57	3	Vertical	89	1.73	
2412MHz	Pass	PK	2.4082G	105.27	Inf	-Inf	30.64	3	Vertical	89	1.73	
2412MHz	Pass	AV	4.80936G	30.10	54.00	-23.90	3.10	3	Horizontal	250	1.50	
2412MHz	Pass	PK	4.81704G	43.82	74.00	-30.18	3.10	3	Horizontal	250	1.50	
2412MHz	Pass	AV	4.82616G	30.65	54.00	-23.35	3.12	3	Vertical	339	1.49	
2412MHz	Pass	PK	4.8093G	43.58	74.00	-30.42	3.14	3	Vertical	339	1.49	
2412WHZ 2437MHz	Pass	AV	4.8093G 2.3478G	45.54	54.00	-8.46	30.42	3	Horizontal	44	1.49	-
												-
2437MHz	Pass	AV	2.4442G	98.28	Inf	-Inf	30.77	3	Horizontal	44	1.50	-

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Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2437MHz	Pass	AV	2.4838G	46.40	54.00	-7.60	30.91	3	Horizontal	44	1.50	-
2437MHz	Pass	PK	2.3538G	55.94	74.00	-18.06	30.45	3	Horizontal	44	1.50	-
2437MHz	Pass	PK	2.4434G	105.17	Inf	-Inf	30.77	3	Horizontal	44	1.50	-
2437MHz	Pass	PK	2.4998G	56.59	74.00	-17.41	30.97	3	Horizontal	44	1.50	-
2437MHz	Pass	AV	2.3706G	45.48	54.00	-8.52	30.51	3	Vertical	30	2.25	-
2437MHz	Pass	AV	2.4418G	97.53	Inf	-Inf	30.76	3	Vertical	30	2.25	-
2437MHz	Pass	AV	2.4922G	46.02	54.00	-7.98	30.94	3	Vertical	30	2.25	-
2437MHz	Pass	PK	2.3614G	55.57	74.00	-18.43	30.47	3	Vertical	30	2.25	-
2437MHz	Pass	PK	2.4422G	104.49	Inf	-Inf	30.76	3	Vertical	30	2.25	-
2437MHz	Pass	PK	2.4874G	55.92	74.00	-18.08	30.92	3	Vertical	30	2.25	-
2437MHz	Pass	AV	7.32528G	37.05	54.00	-16.95	9.32	3	Horizontal	11	1.50	-
2437MHz	Pass	PK	7.32414G	49.93	74.00	-24.07	9.31	3	Horizontal	11	1.50	-
2437MHz	Pass	AV	7.31838G	37.39	54.00	-16.61	9.29	3	Vertical	356	1.46	-
2437MHz	Pass	PK	7.29936G	50.98	74.00	-23.02	9.21	3	Vertical	356	1.46	-
2462MHz	Pass	AV	2.4682G	98.73	Inf	-Inf	30.86	3	Horizontal	29	2.87	-
2462MHz	Pass	AV	2.4846G	53.60	54.00	-0.40	30.92	3	Horizontal	29	2.87	-
2462MHz	Pass	PK	2.4684G	106.26	Inf	-Inf	30.86	3	Horizontal	29	2.87	-
2462MHz	Pass	PK	2.4844G	67.13	74.00	-6.87	30.92	3	Horizontal	29	2.87	-
2462MHz	Pass	AV	2.467G	97.95	Inf	-Inf	30.85	3	Vertical	33	2.34	-
2462MHz	Pass	AV	2.484G	53.53	54.00	-0.47	30.92	3	Vertical	33	2.34	-
2462MHz	Pass	PK	2.466G	104.99	Inf	-Inf	30.85	3	Vertical	33	2.34	-
2462MHz	Pass	PK	2.4838G	65.55	74.00	-8.45	30.91	3	Vertical	33	2.34	-
2462MHz	Pass	AV	7.3905G	40.73	54.00	-13.27	9.60	3	Horizontal	223	2.25	
2462MHz	Pass	PK	7.3881G	54.11	74.00	-19.89	9.59	3	Horizontal	223	2.25	-
2462MHz	Pass	AV	7.38408G	40.82	54.00	-13.18	9.57	3	Vertical	333	1.96	-
2462MHz	Pass	PK	7.3872G	54.52	74.00	-19.48	9.58	3	Vertical	333	1.96	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.389998G	53.60	54.00	-0.40	30.57	3	Horizontal	42	1.47	-
2422MHz	Pass	AV	2.4304G	94.94	Inf	-Inf	30.72	3	Horizontal	42	1.47	
2422MHz	Pass	AV	2.4904G	46.88	54.00	-7.12	30.93	3	Horizontal	42	1.47	
2422MHz	Pass	PK	2.389998G	63.41	74.00	-10.59	30.57	3	Horizontal	42	1.47	-
2422MHz	Pass	PK	2.43G	101.91	Inf	-Inf	30.72	3	Horizontal	42	1.47	_
2422MHz	Pass	PK	2.4896G	56.81	74.00	-17.19	30.93	3	Horizontal	42	1.47	
2422MHz	Pass	AV	2.3888G	53.84	54.00	-0.16	30.57	3	Vertical	89	1.73	-
2422MHz	Pass	AV	2.4092G	93.20	Inf	-Inf	30.64	3	Vertical	89	1.73	
2422MHz	Pass	AV	2.4912G	46.68	54.00	-7.32	30.94	3	Vertical	89	1.73	
2422MHz	Pass	PK	2.4912G 2.3888G	64.35	74.00	-9.65	30.57	3	Vertical	89	1.73	
2422MHz	Pass	PK	2.4088G	99.83	Inf	-9.05 -Inf	30.64	3	Vertical	89	1.73	
2422MHz	Pass	PK	2.4066G 2.4944G	56.14	74.00	-17.86	30.04	3	Vertical	89	1.73	
2422MHz			4.8479G		54.00			3		239		
	Pass	AV		32.16		-21.84	3.19		Horizontal		1.48	<u> </u>
2422MHz	Pass	PK	4.82942G	44.49	74.00	-29.51	3.14	3	Horizontal	239	1.48	-
2422MHz	Pass	AV	4.8572G	32.09	54.00	-21.91	3.21	3	Vertical	225	1.50	-
2422MHz	Pass	PK	4.82984G	44.81	74.00	-29.19	3.15	3	Vertical	225	1.50	-
2427MHz	Pass	AV	2.389G	51.07	54.00	-2.93	30.57	3	Horizontal	39	1.96	-
2427MHz	Pass	AV	2.4202G	94.30	Inf	-Inf	30.68	3	Horizontal	39	1.96	-
2427MHz	Pass	AV	2.4862G	47.03	54.00	-6.97	30.92	3	Horizontal	39	1.96	-
2427MHz	Pass	PK	2.389G	60.83	74.00	-13.17	30.57	3	Horizontal	39	1.96	-
2427MHz	Pass	PK	2.4198G	101.34	Inf	-Inf	30.68	3	Horizontal	39	1.96	-
2427MHz	Pass	PK	2.4854G	55.85	74.00	-18.15	30.92	3	Horizontal	39	1.96	-

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Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2427MHz	Pass	AV	2.3894G	53.73	54.00	-0.27	30.57	3	Vertical	357	1.18	-
2427MHz	Pass	AV	2.4282G	92.99	Inf	-Inf	30.71	3	Vertical	357	1.18	-
2427MHz	Pass	AV	2.4894G	46.93	54.00	-7.07	30.93	3	Vertical	357	1.18	-
2427MHz	Pass	PK	2.3894G	62.48	74.00	-11.52	30.57	3	Vertical	357	1.18	-
2427MHz	Pass	PK	2.429G	99.18	Inf	-Inf	30.71	3	Vertical	357	1.18	-
2427MHz	Pass	PK	2.4946G	56.36	74.00	-17.64	30.95	3	Vertical	357	1.18	-
2437MHz	Pass	AV	2.3898G	48.09	54.00	-5.91	30.57	3	Horizontal	41	2.11	-
2437MHz	Pass	AV	2.4302G	94.34	Inf	-Inf	30.72	3	Horizontal	41	2.11	-
2437MHz	Pass	AV	2.4862G	48.67	54.00	-5.33	30.92	3	Horizontal	41	2.11	-
2437MHz	Pass	PK	2.3898G	57.30	74.00	-16.70	30.57	3	Horizontal	41	2.11	-
2437MHz	Pass	PK	2.4294G	100.68	Inf	-Inf	30.72	3	Horizontal	41	2.11	-
2437MHz	Pass	PK	2.4882G	58.11	74.00	-15.89	30.93	3	Horizontal	41	2.11	-
2437MHz	Pass	AV	2.387G	46.67	54.00	-7.33	30.56	3	Vertical	357	1.14	-
2437MHz	Pass	AV	2.4382G	93.36	Inf	-Inf	30.75	3	Vertical	357	1.14	-
2437MHz	Pass	AV	2.483502G	48.90	54.00	-5.10	30.91	3	Vertical	357	1.14	-
2437MHz	Pass	PK	2.3806G	55.79	74.00	-18.21	30.55	3	Vertical	357	1.14	-
2437MHz	Pass	PK	2.439G	99.64	Inf	-Inf	30.75	3	Vertical	357	1.14	-
2437MHz	Pass	PK	2.4858G	57.21	74.00	-16.79	30.92	3	Vertical	357	1.14	-
2437MHz	Pass	AV	7.3245G	38.41	54.00	-15.59	9.32	3	Horizontal	296	1.50	-
2437MHz	Pass	PK	7.31838G	50.35	74.00	-23.65	9.29	3	Horizontal	296	1.50	-
2437MHz	Pass	AV	7.3209G	39.14	54.00	-14.86	9.30	3	Vertical	359	1.83	-
2437MHz	Pass	PK	7.31598G	51.79	74.00	-22.21	9.28	3	Vertical	359	1.83	-
2447MHz	Pass	AV	2.3794G	46.12	54.00	-7.88	30.54	3	Horizontal	38	1.96	-
2447MHz	Pass	AV	2.4358G	95.82	Inf	-Inf	30.74	3	Horizontal	38	1.96	-
2447MHz	Pass	AV	2.4902G	50.62	54.00	-3.38	30.93	3	Horizontal	38	1.96	-
2447MHz	Pass	PK	2.3698G	55.88	74.00	-18.12	30.51	3	Horizontal	38	1.96	-
2447MHz	Pass	PK	2.4358G	102.27	Inf	-Inf	30.74	3	Horizontal	38	1.96	-
2447MHz	Pass	PK	2.491G	60.66	74.00	-13.34	30.93	3	Horizontal	38	1.96	_
2447MHz	Pass	AV	2.3898G	46.67	54.00	-7.33	30.57	3	Vertical	32	2.06	_
2447MHz	Pass	AV	2.4526G	93.00	Inf	-Inf	30.80	3	Vertical	32	2.06	_
2447MHz	Pass	AV	2.4898G	52.41	54.00	-1.59	30.93	3	Vertical	32	2.06	_
2447MHz	Pass	PK	2.389G	55.92	74.00	-18.08	30.57	3	Vertical	32	2.06	_
2447MHz	Pass	PK	2.4514G	99.77	Inf	-Inf	30.80	3	Vertical	32	2.06	_
2447MHz	Pass	PK	2.4922G	63.03	74.00	-10.97	30.94	3	Vertical	32	2.06	-
2452MHz	Pass	AV	2.3888G	45.46	54.00	-8.54	30.57	3	Horizontal	43	1.47	_
2452MHz	Pass	AV	2.4492G	94.46	Inf	-Inf	30.79	3	Horizontal	43	1.47	
2452MHz	Pass	AV	2.4472G 2.4872G	53.53	54.00	-0.47	30.77	3	Horizontal	43	1.47	
2452MHz	Pass	PK	2.3888G	55.48	74.00	-18.52	30.57	3	Horizontal	43	1.47	
2452MHz	Pass	PK	2.4496G	101.29	Inf	-10.52 -Inf	30.79	3	Horizontal	43	1.47	-
2452MHz	Pass	PK	2.4476G 2.4876G	65.54	74.00	-8.46	30.77	3	Horizontal	43	1.47	
2452MHz	Pass	AV	2.384G	45.46	54.00	-8.54	30.56	3	Vertical	30	2.09	
2452MHz	Pass	AV	2.364G 2.4476G	93.09	Inf	-6.54 -Inf	30.78	3	Vertical	30	2.09	
2452MHz	Pass	AV	2.4476G 2.4848G	53.88	54.00	-0.12	30.76	3	Vertical	30	2.09	-
2452MHz	Pass	PK	2.4848G 2.376G	55.16	74.00	-18.84	30.92	3	Vertical	30	2.09	
2452MHz	Pass	PK PK	2.376G 2.448G	100.36	74.00 Inf	-18.84 -Inf	30.52	3	Vertical	30	2.09	-
2452MHz		PK PK				-Ini -9.91						-
	Pass		2.4876G	64.09	74.00		30.93	3	Vertical	30	2.09	-
2452MHz	Pass	AV	7.3689G	38.70	54.00	-15.30	9.51	3	Horizontal	4	1.53	-
2452MHz	Pass	PK	7.36458G	51.61	74.00	-22.39	9.49	3	Horizontal	4	1.53	-
2452MHz	Pass	AV	7.36122G	38.57	54.00	-15.43	9.47	3	Vertical	247	1.50	-

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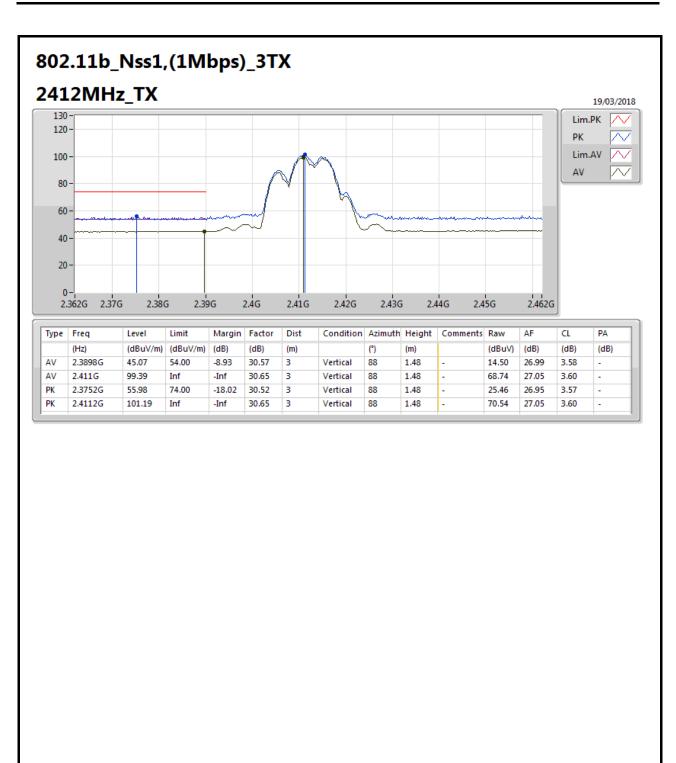
Appendix F

Mode	Result	Туре	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
2452MHz	Pass	PK	7.365G	51.23	74.00	-22.77	9.49	3	Vertical	247	1.50	-

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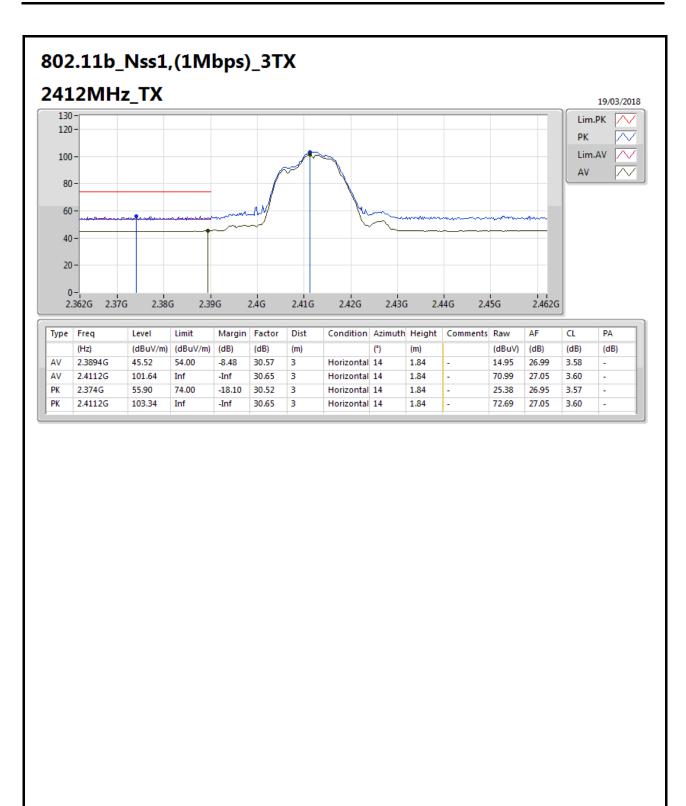
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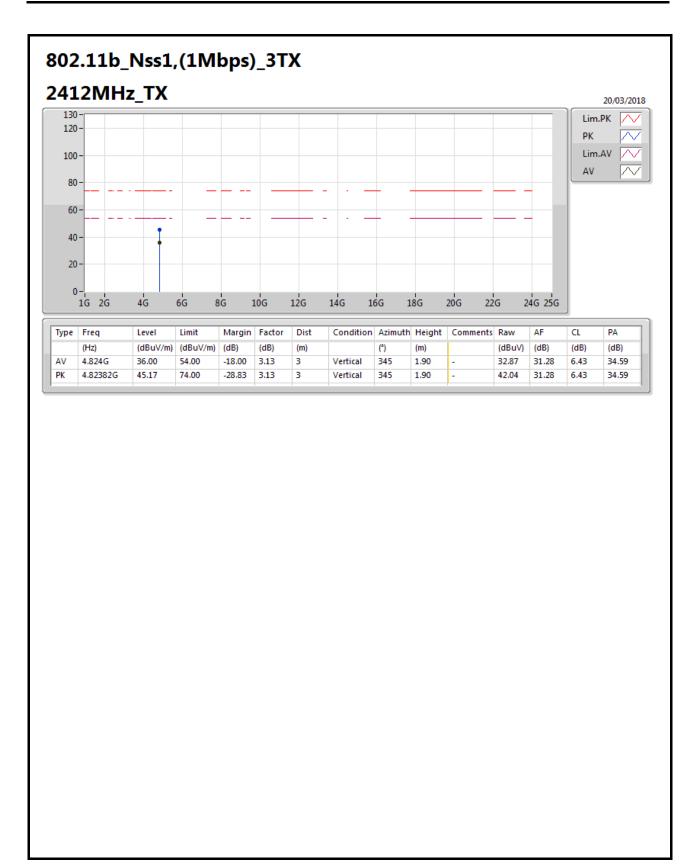
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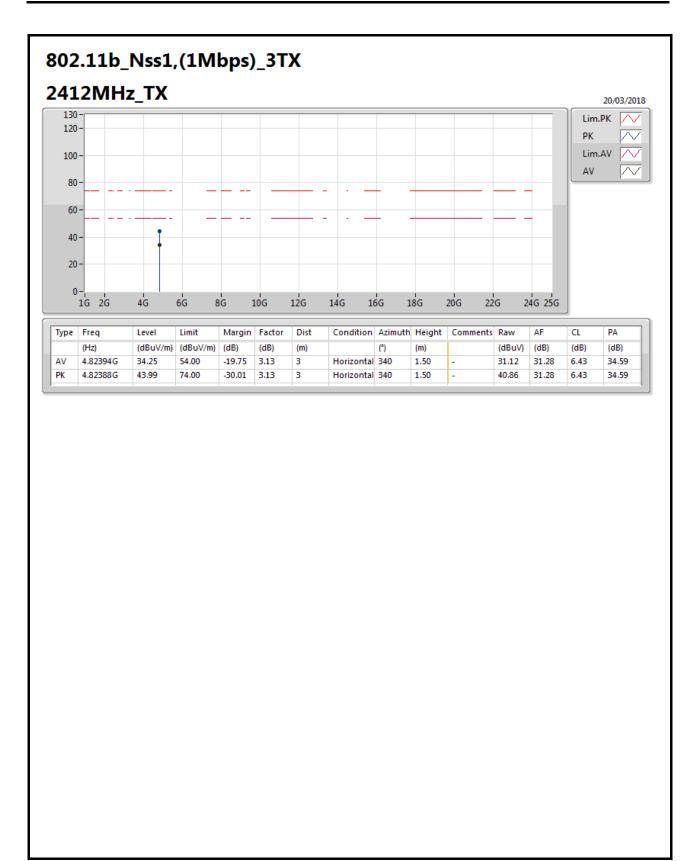
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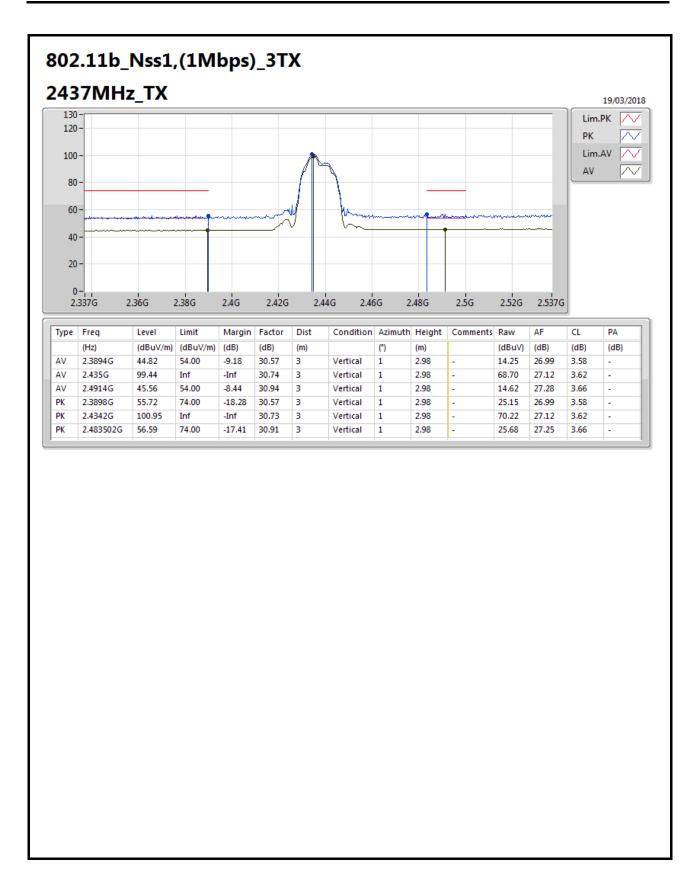
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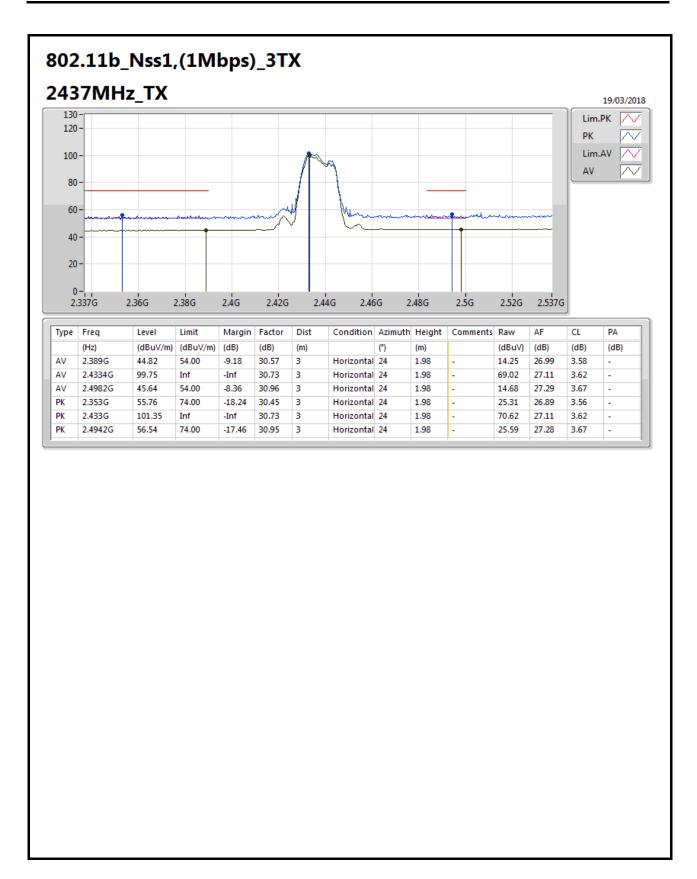
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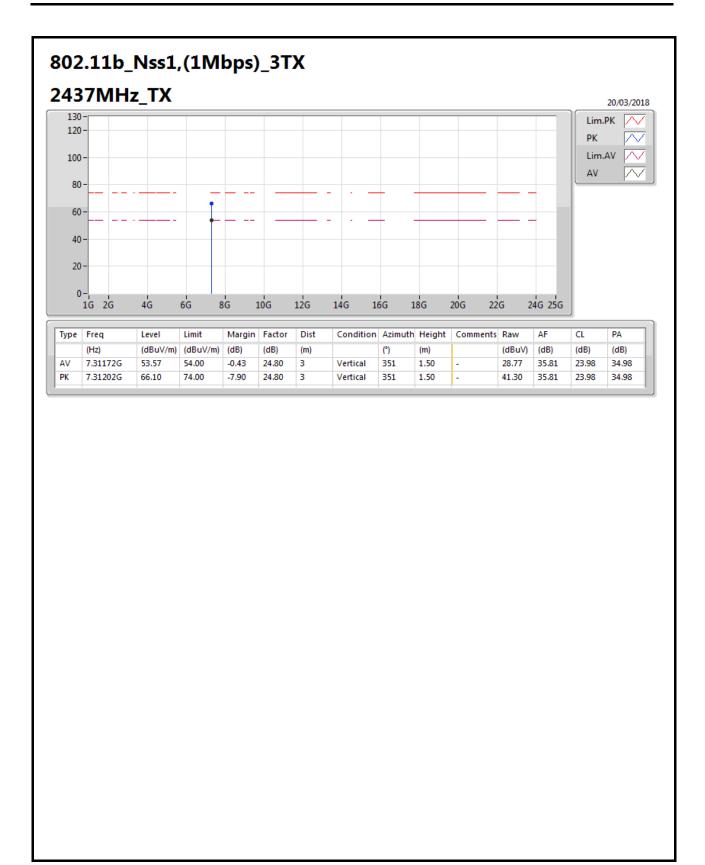
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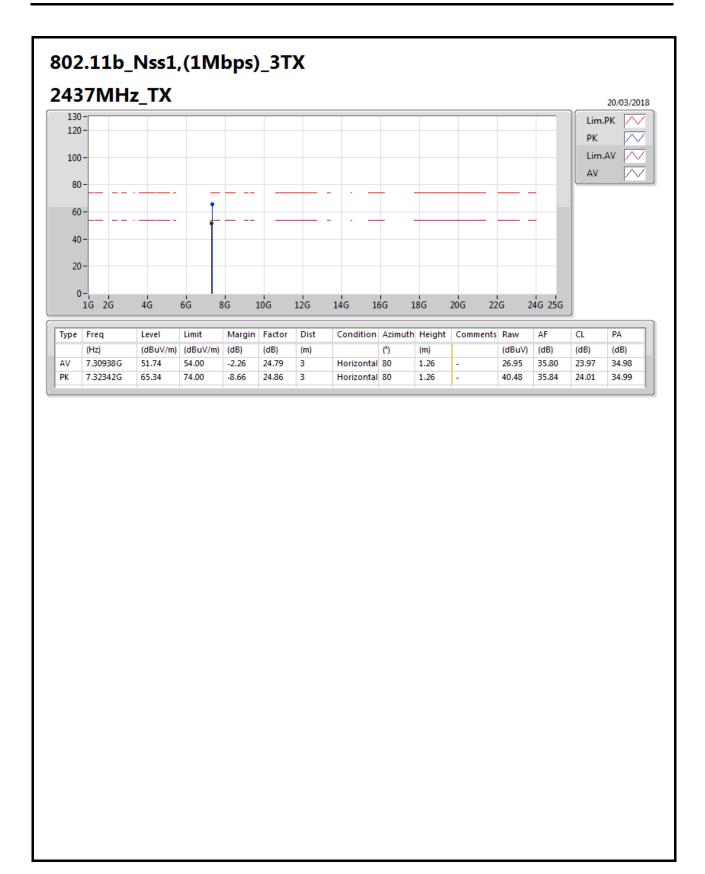
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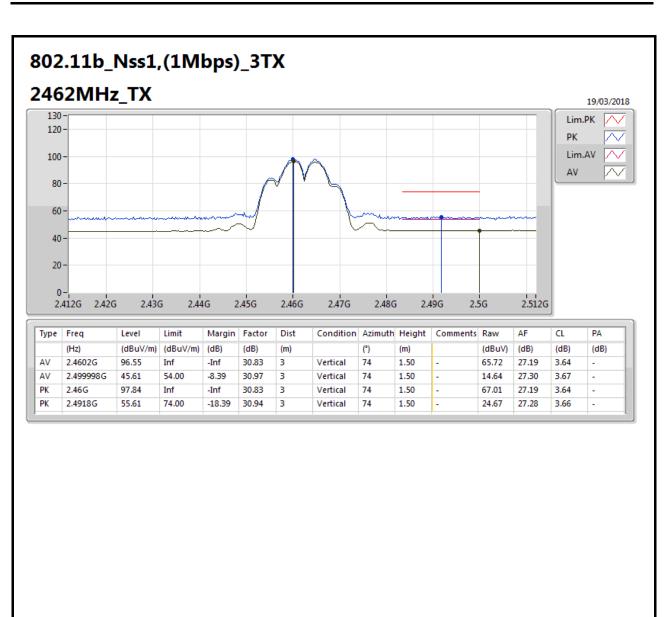
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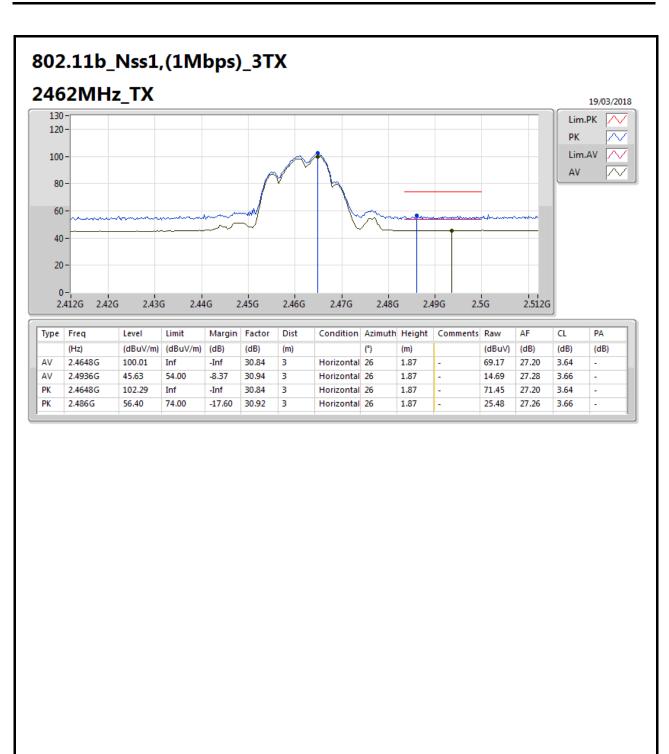
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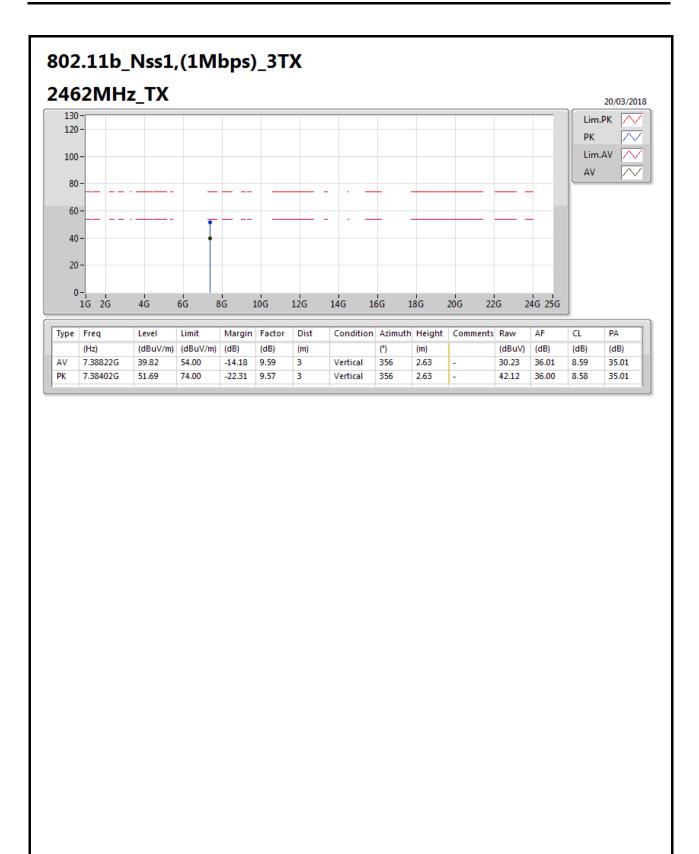
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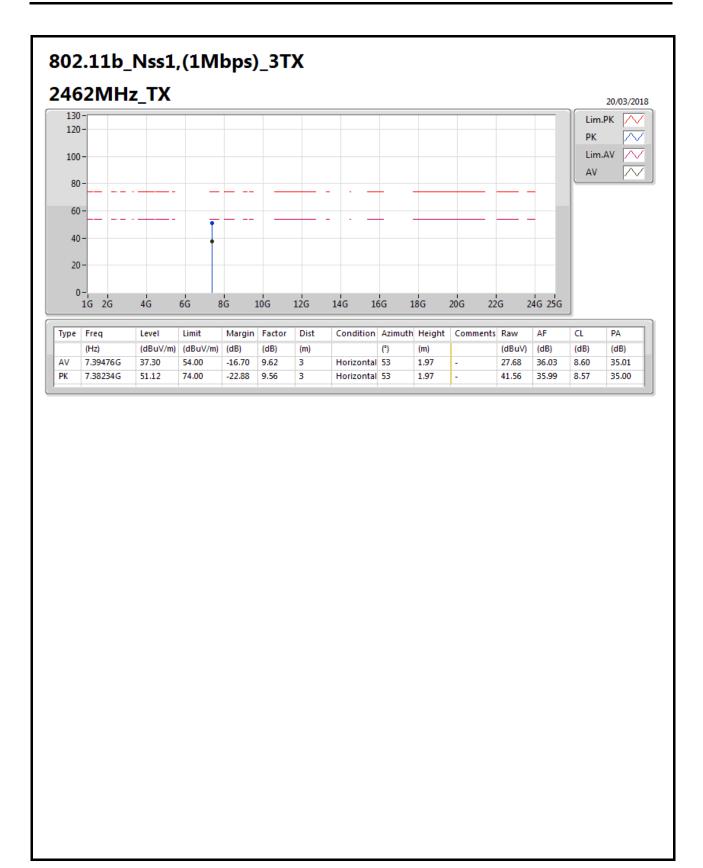
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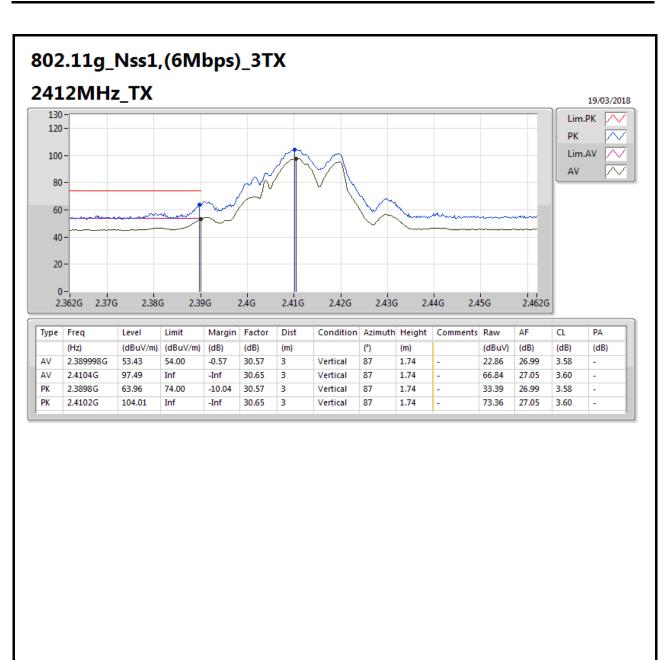
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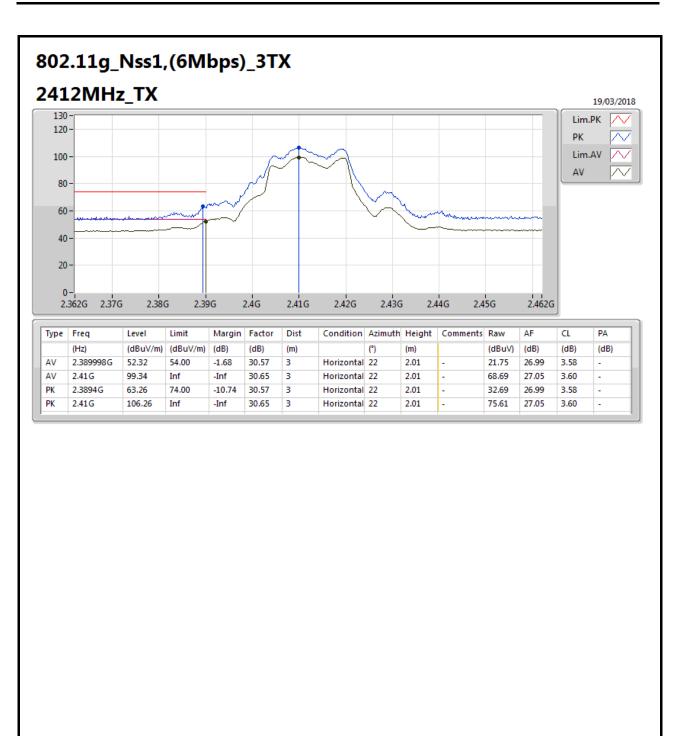
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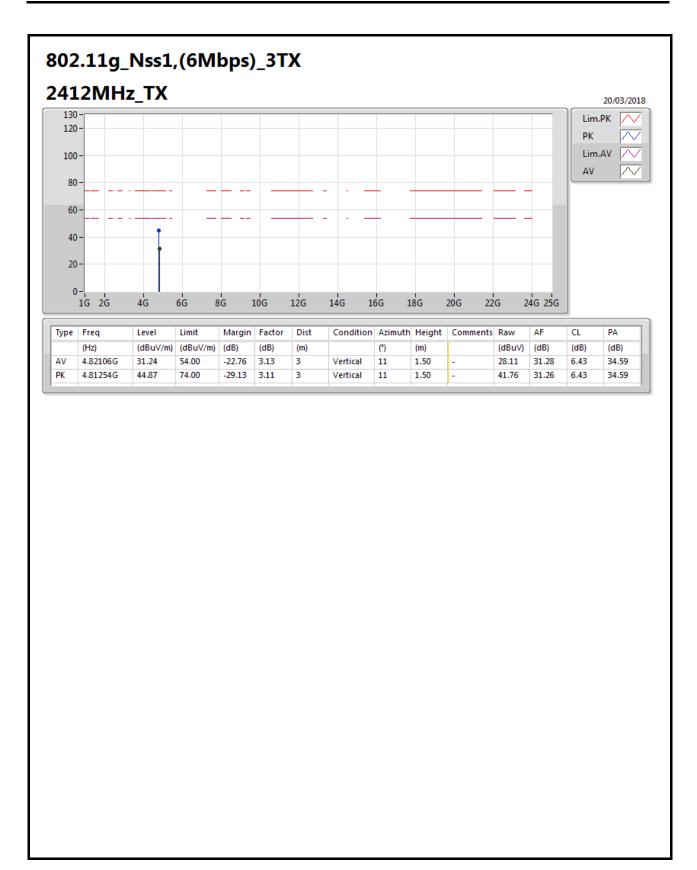
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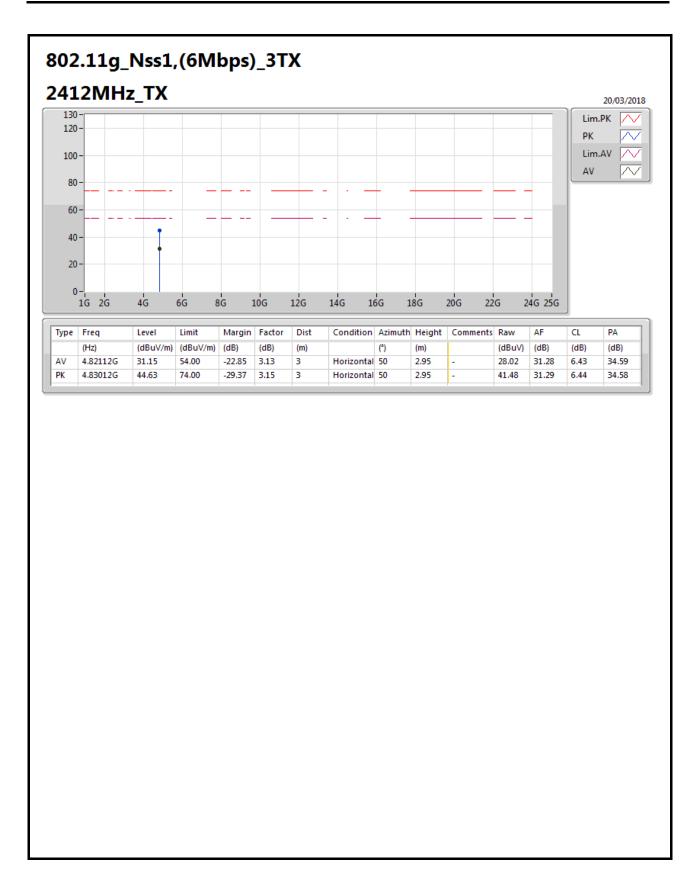
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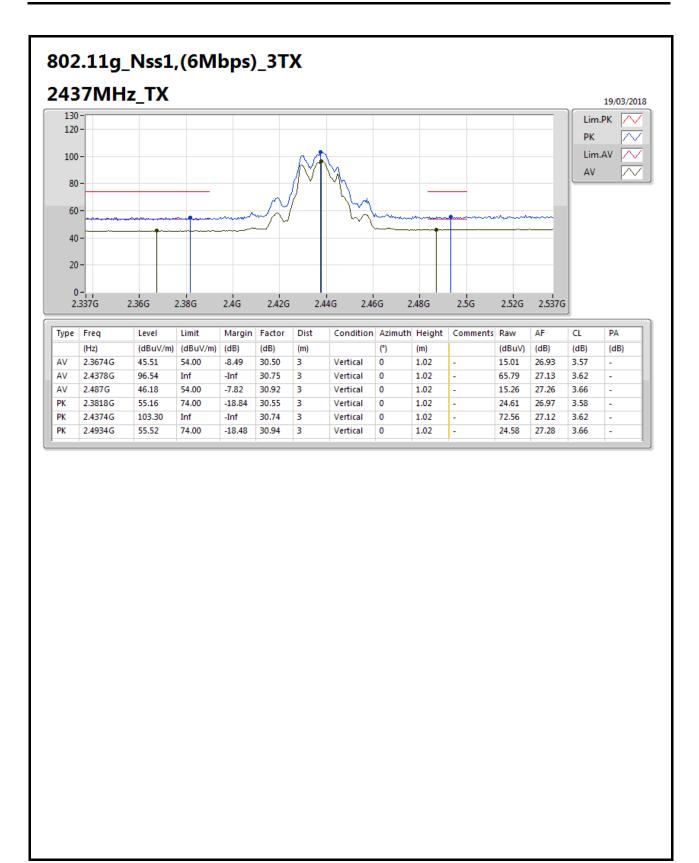
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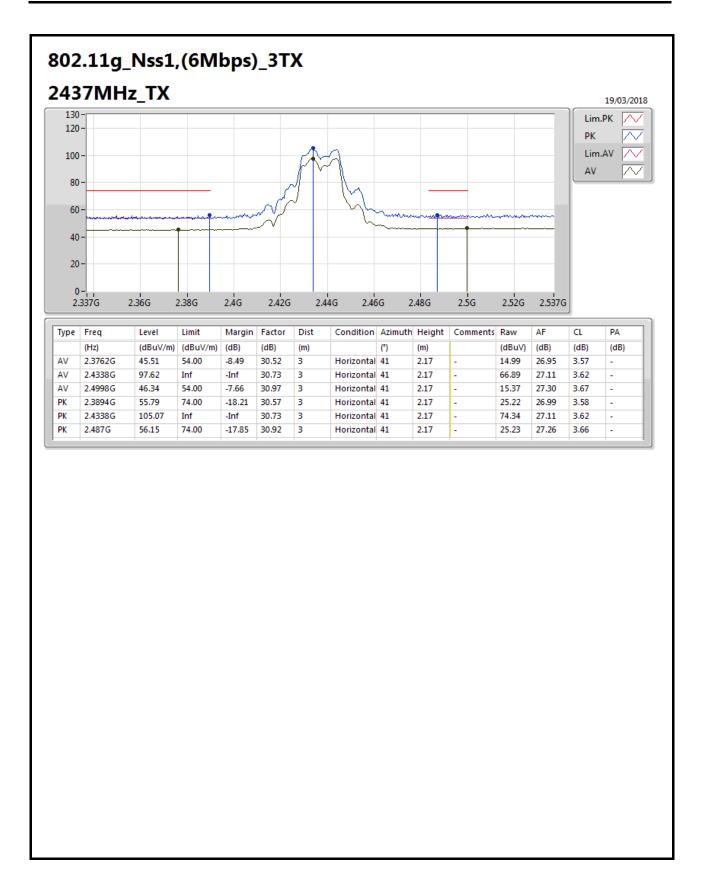
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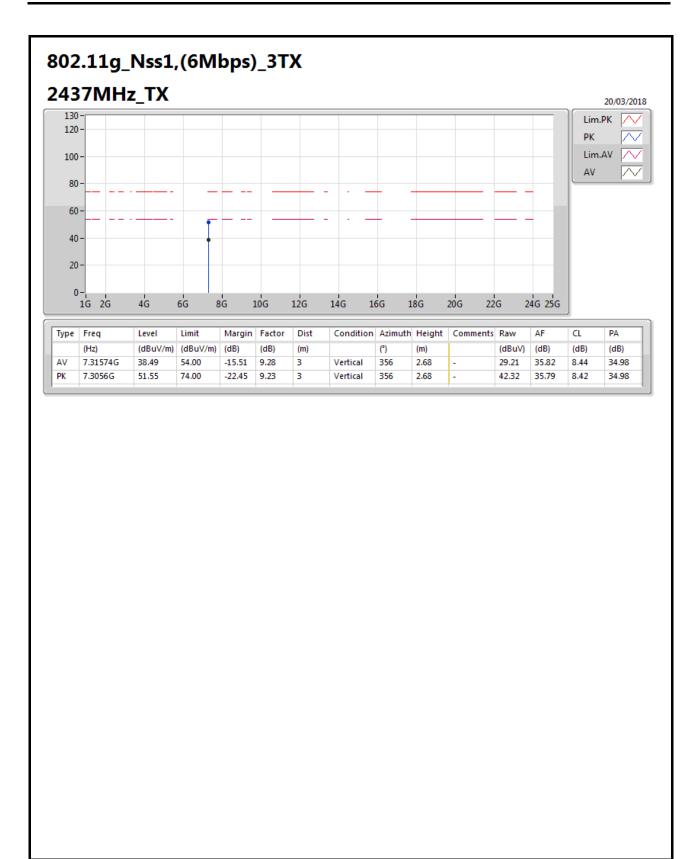
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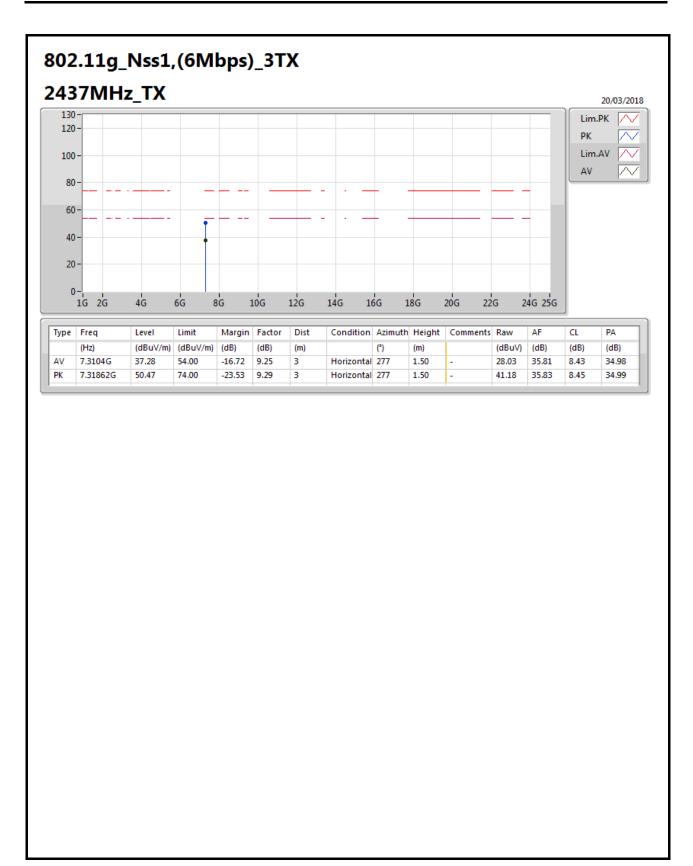
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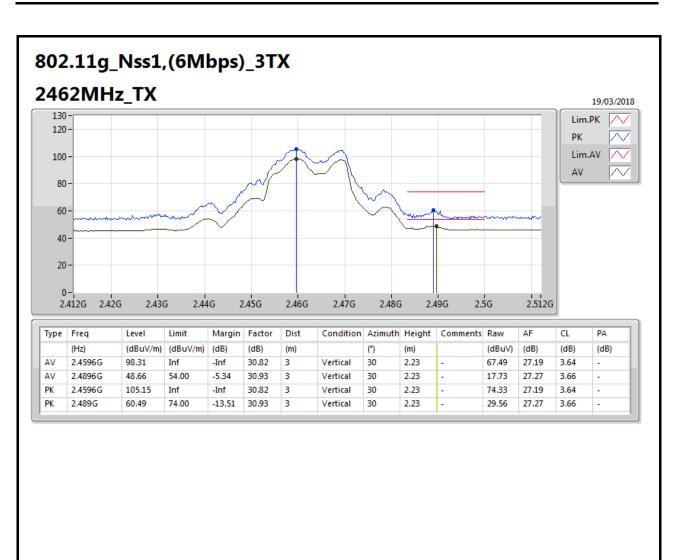
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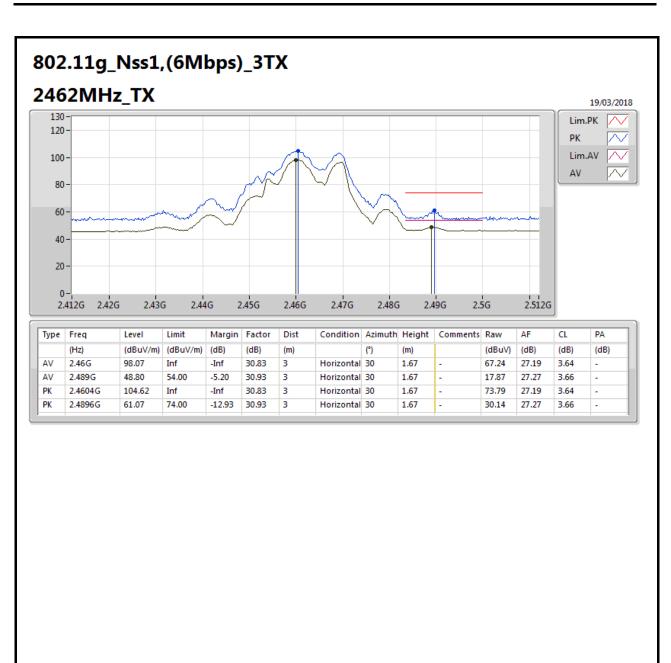
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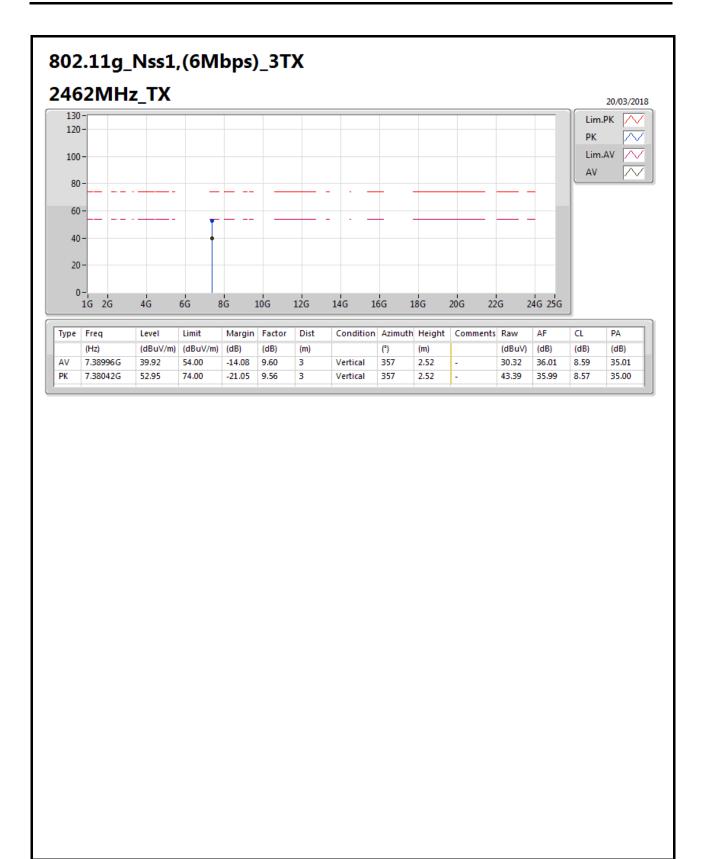
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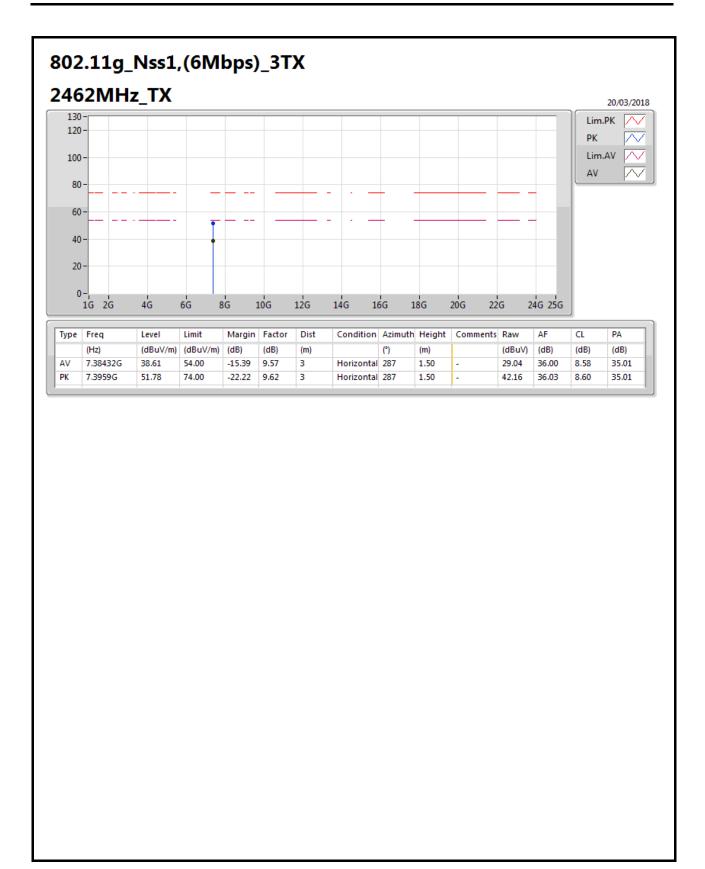
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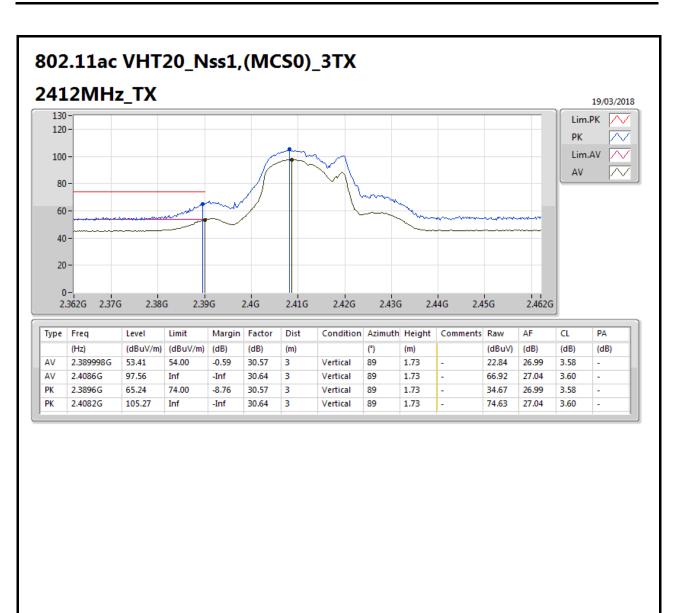
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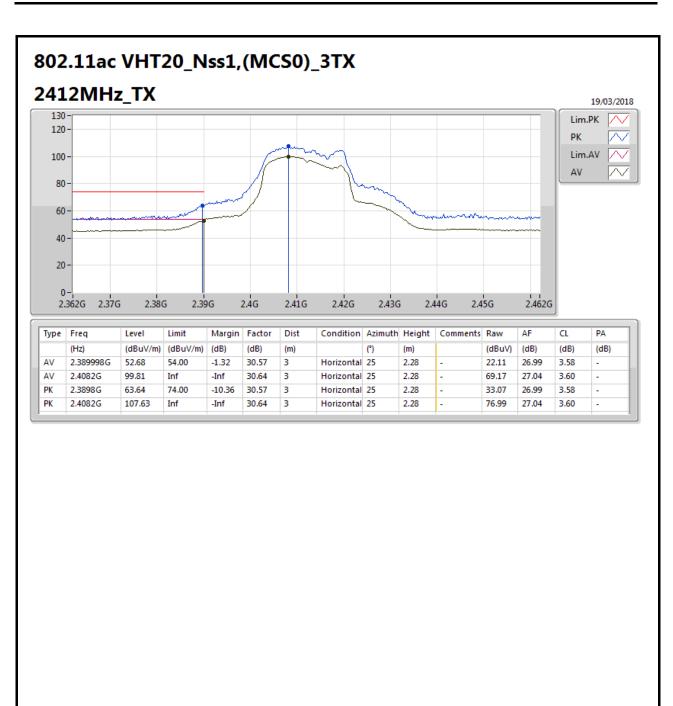
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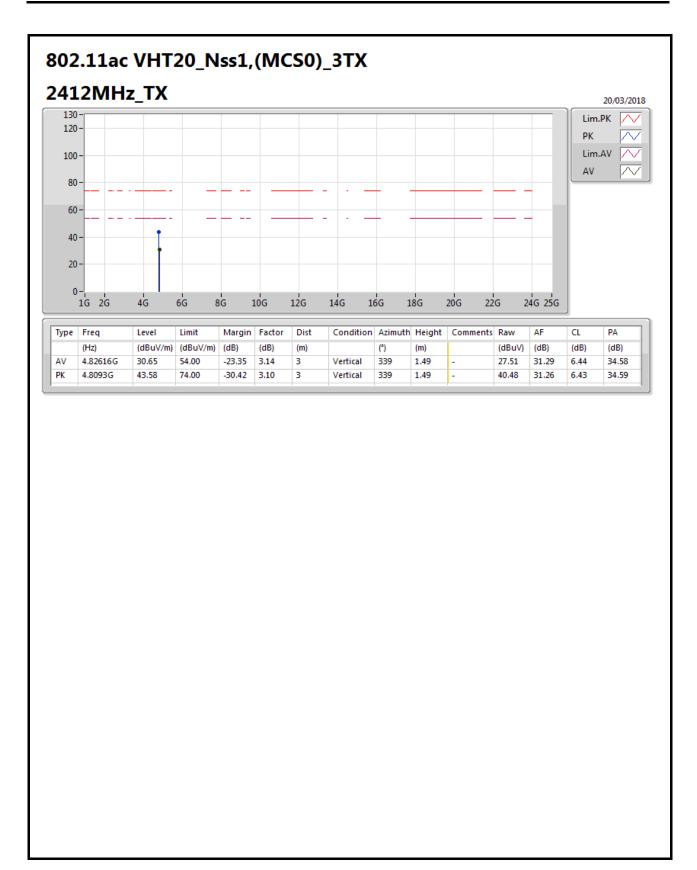
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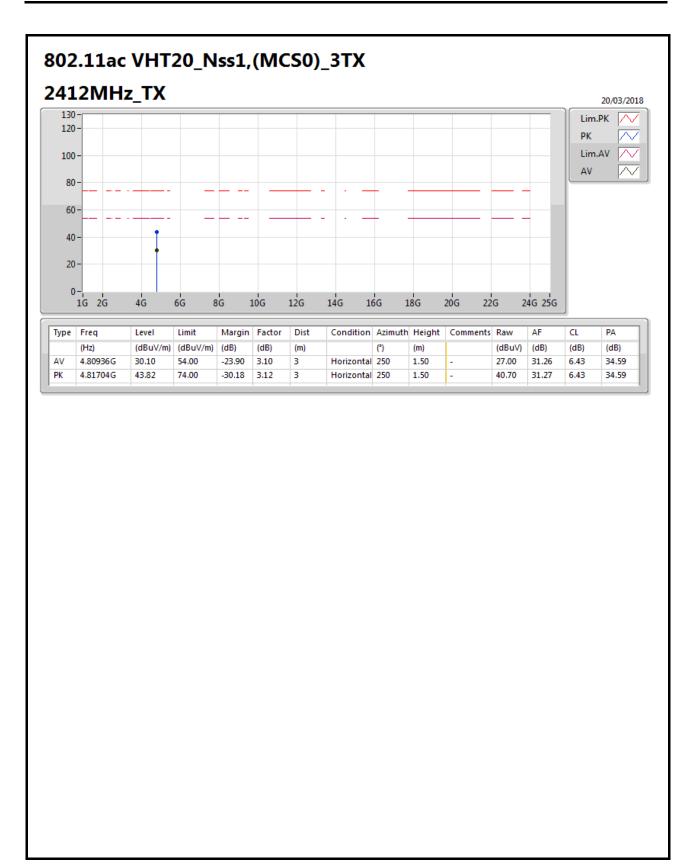
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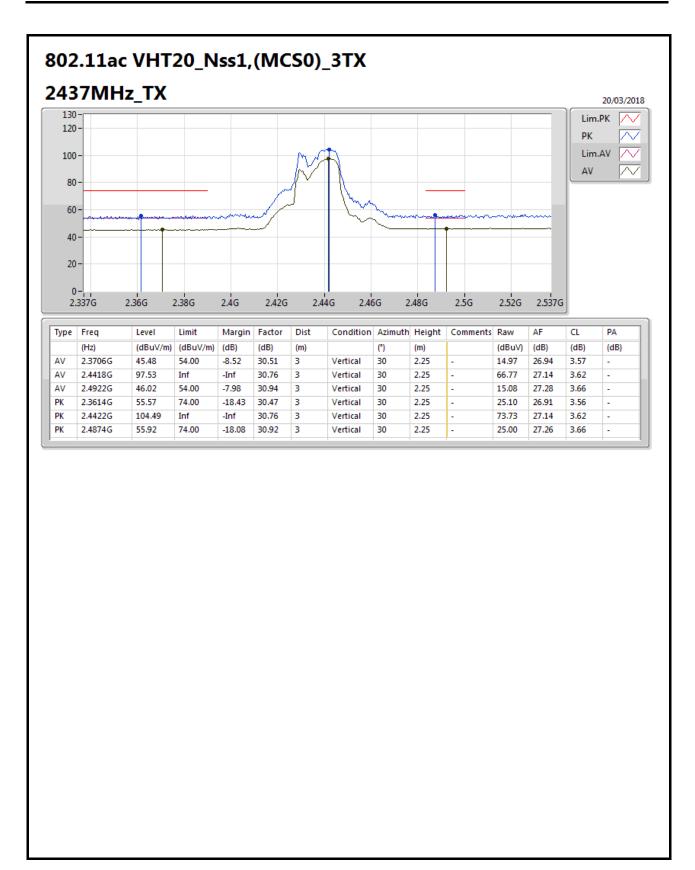
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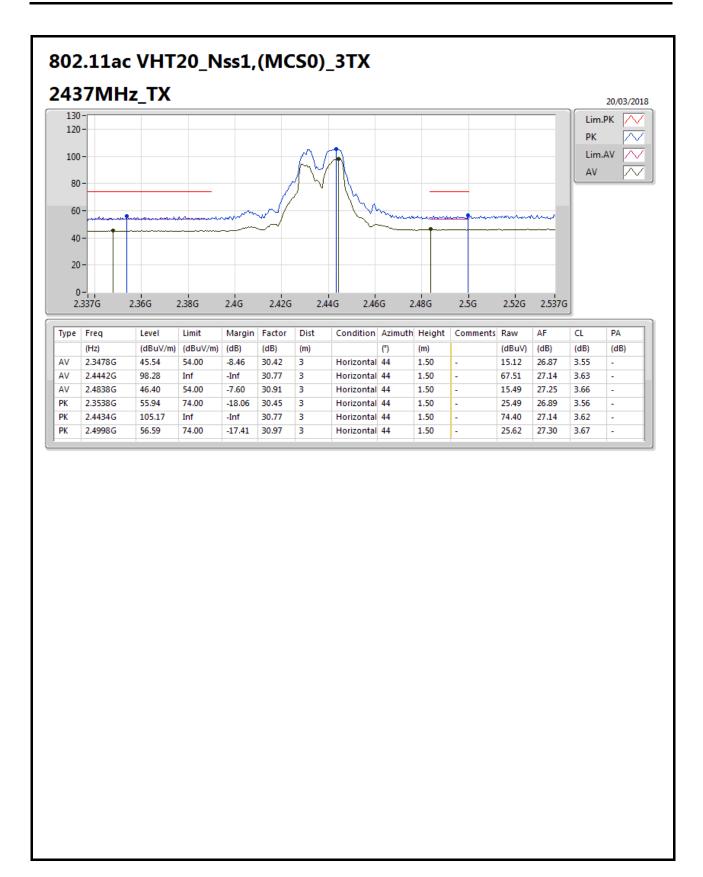
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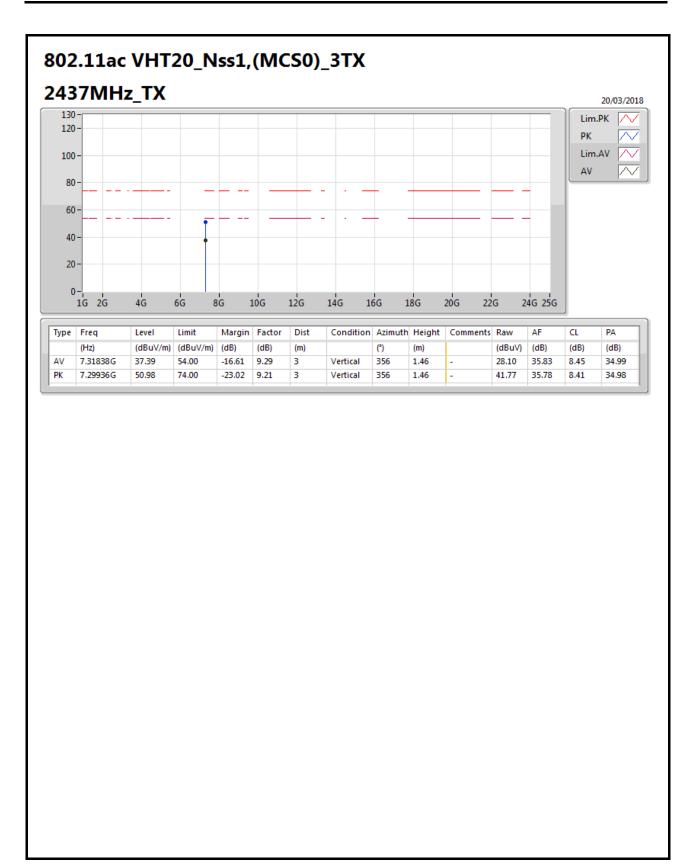
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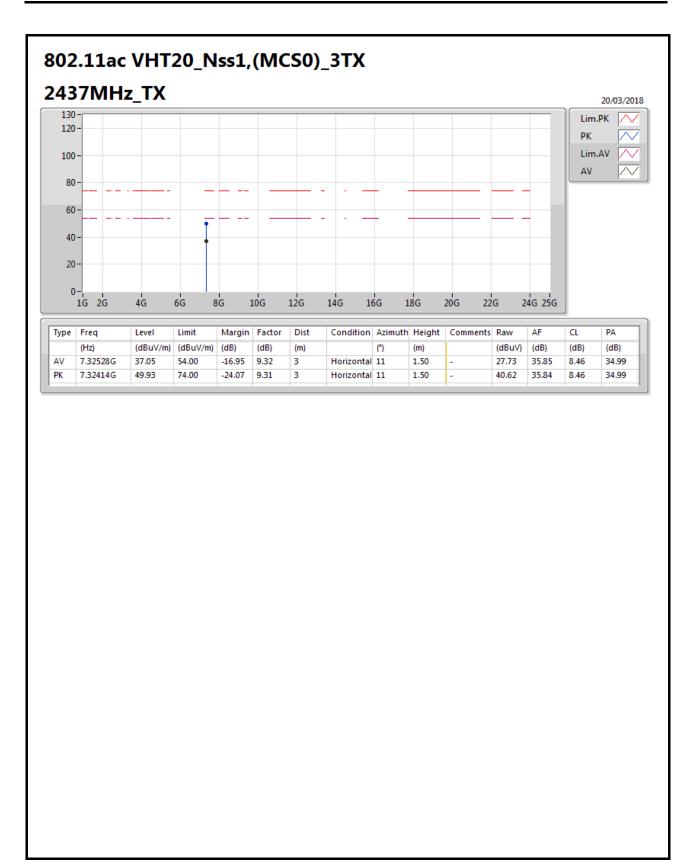
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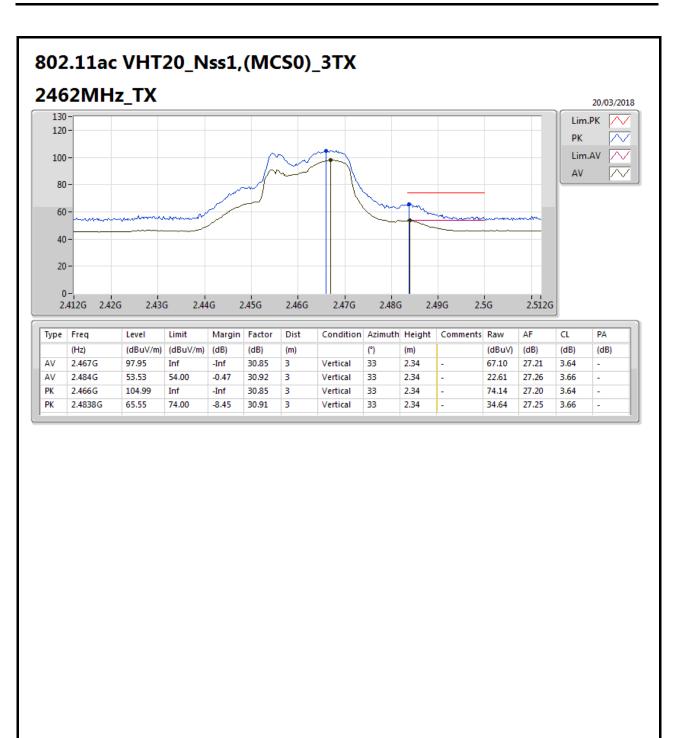
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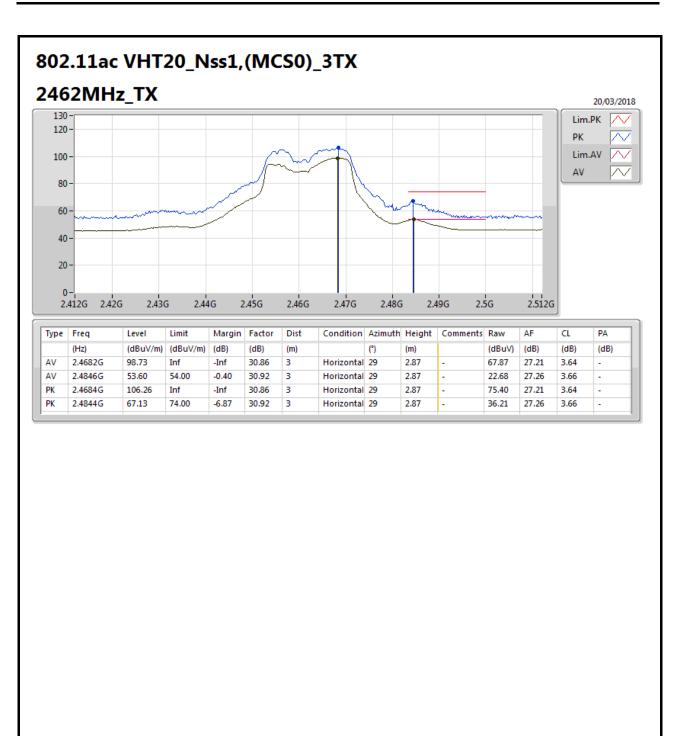
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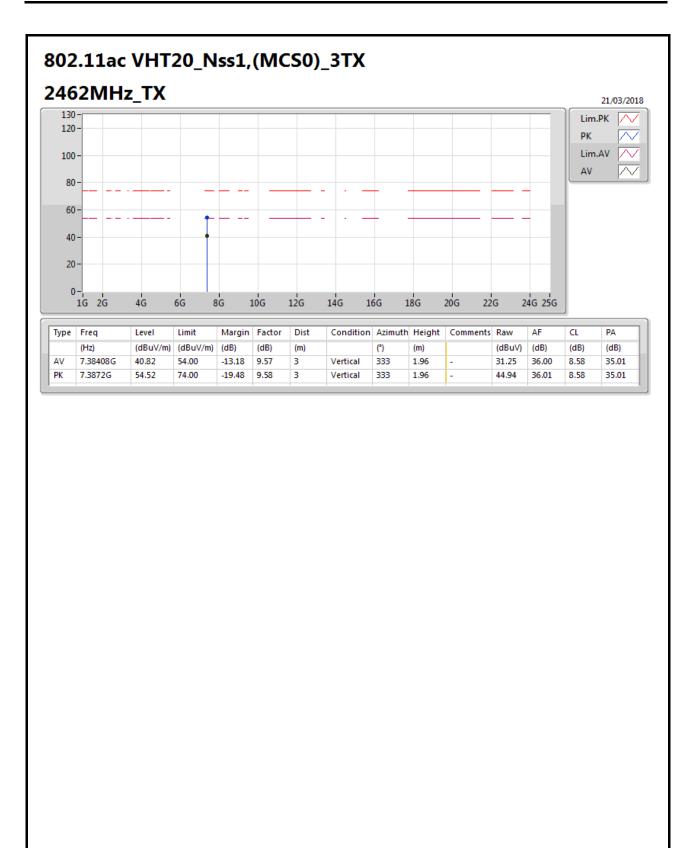
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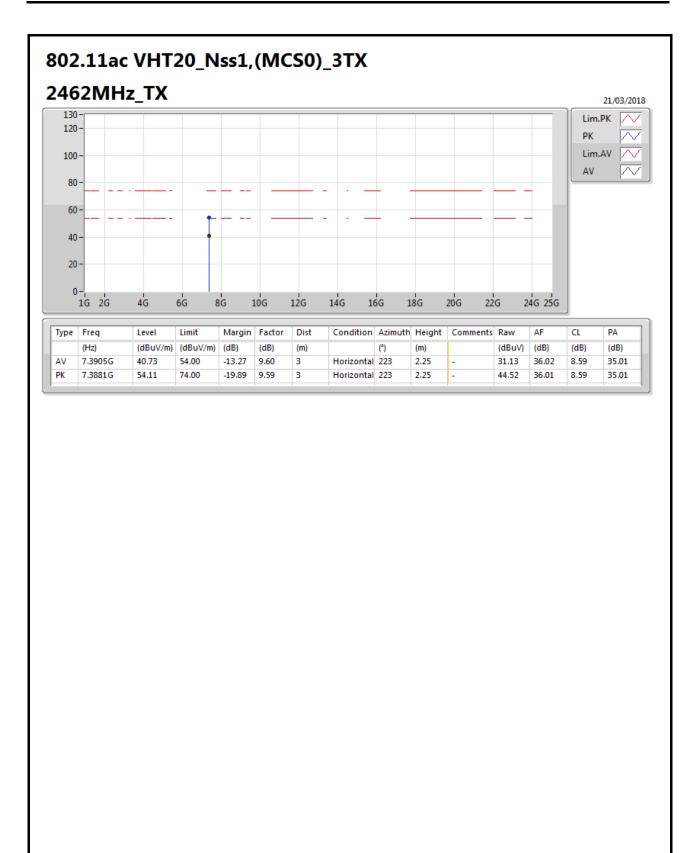
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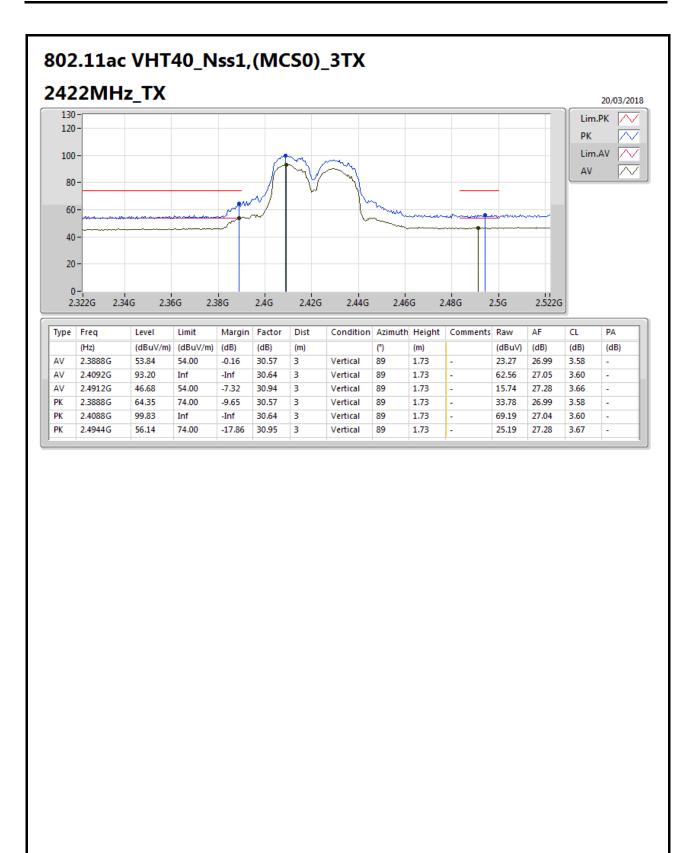
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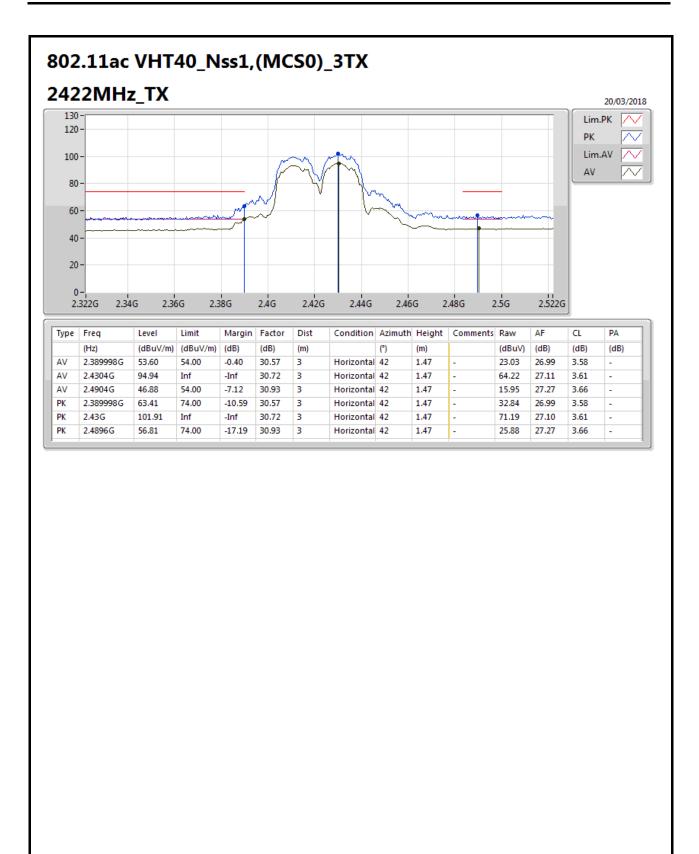
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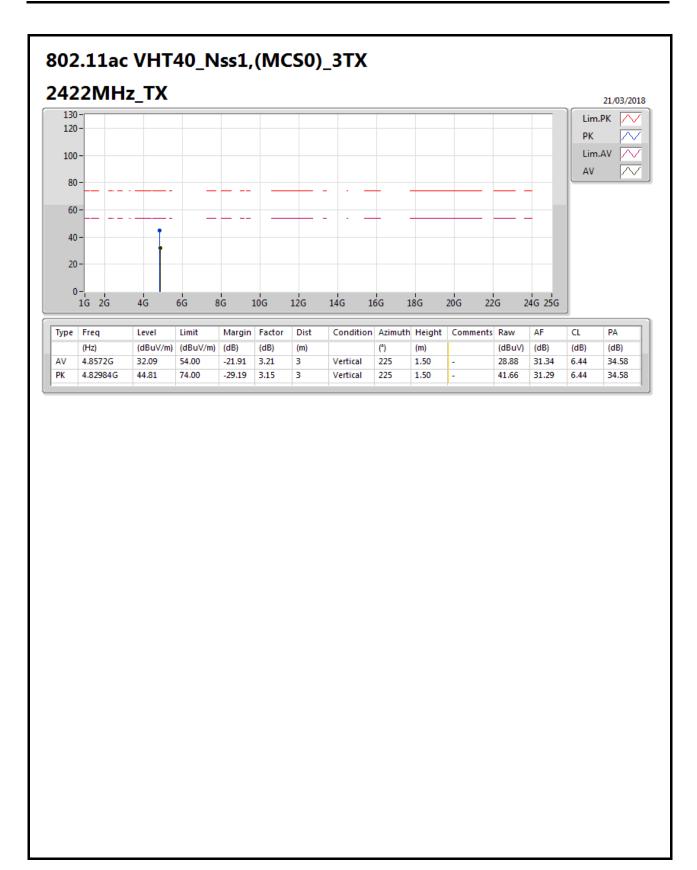
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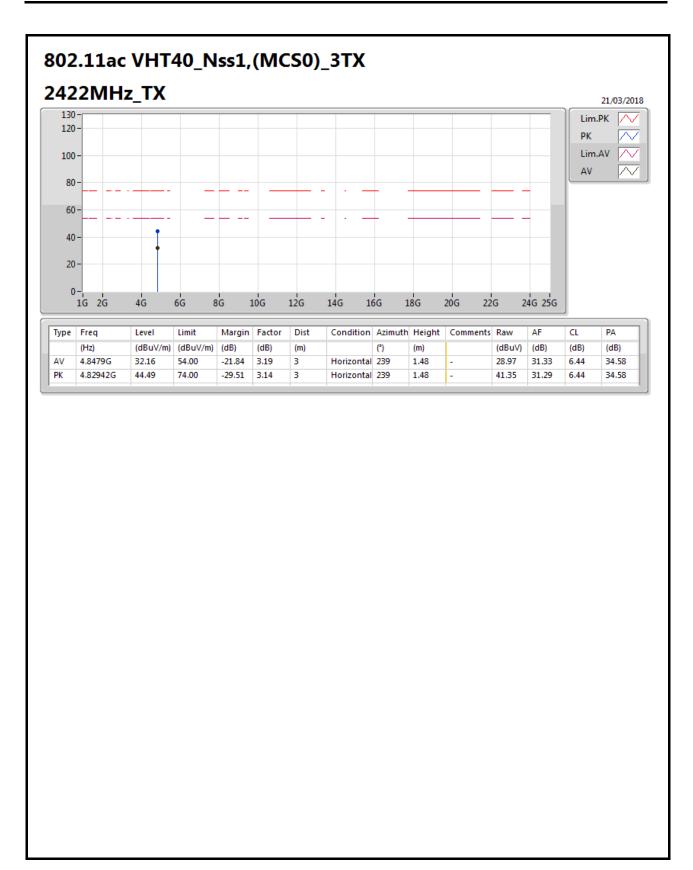
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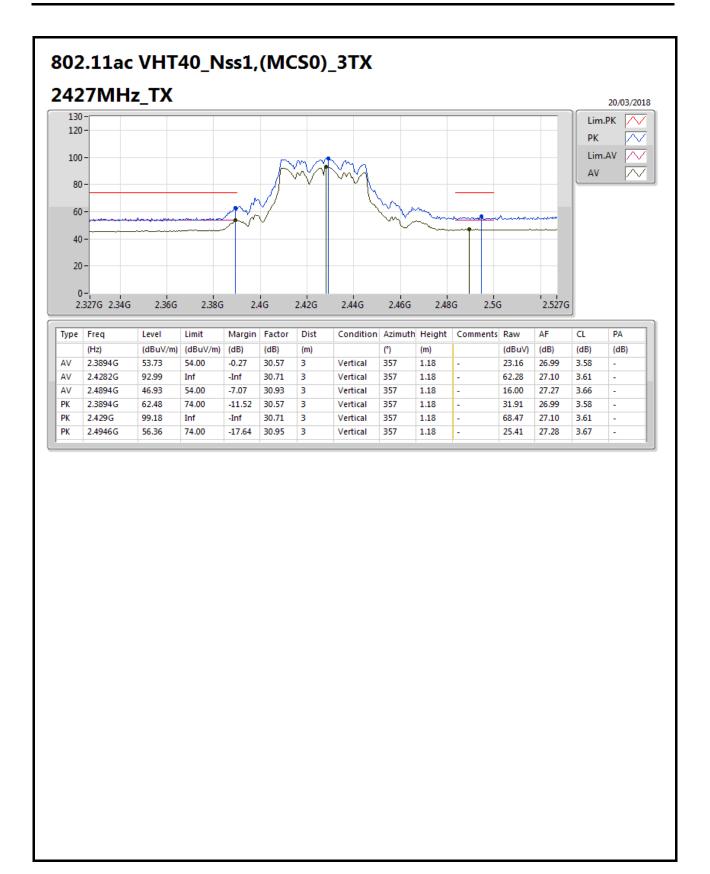
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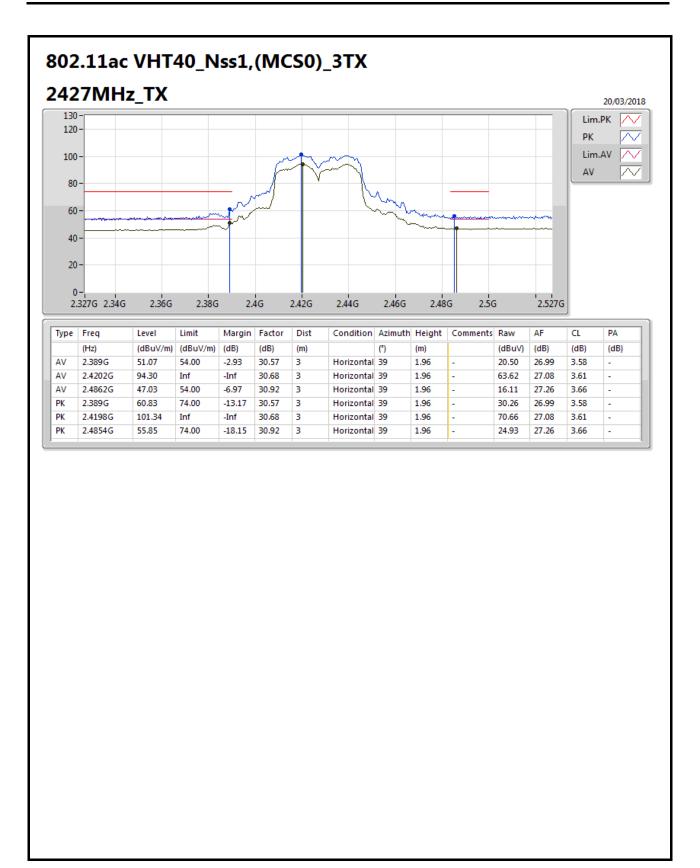
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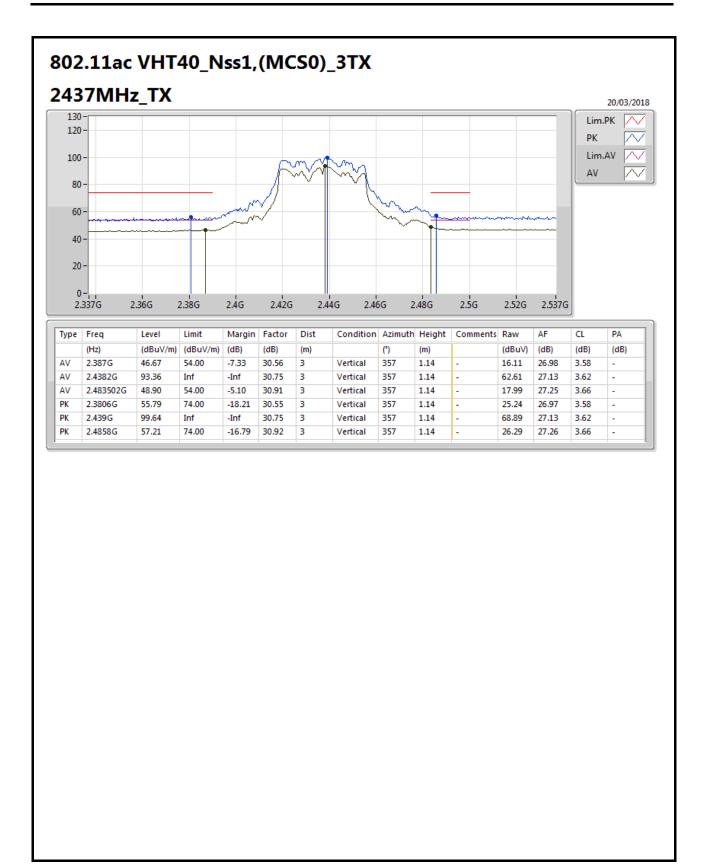
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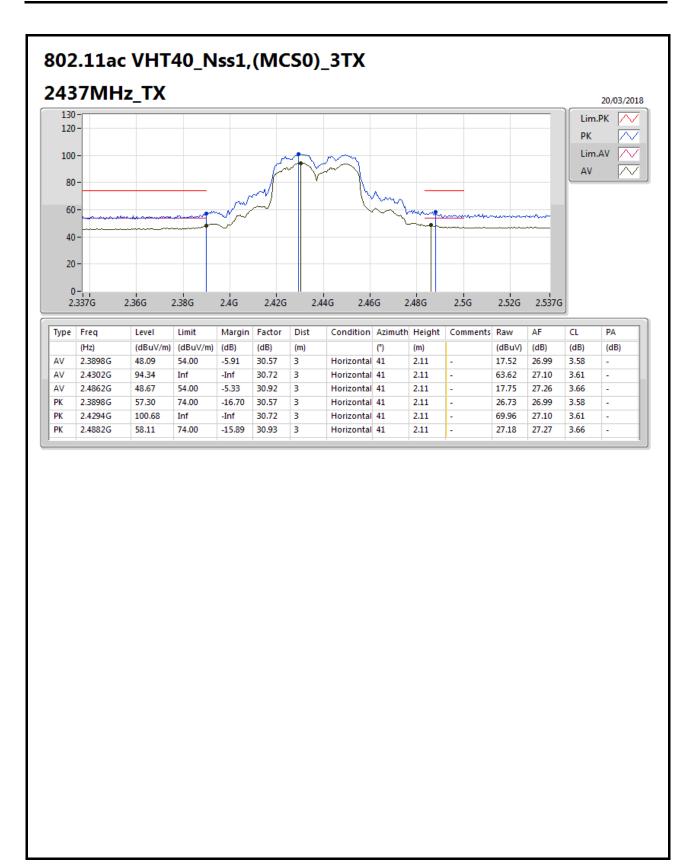
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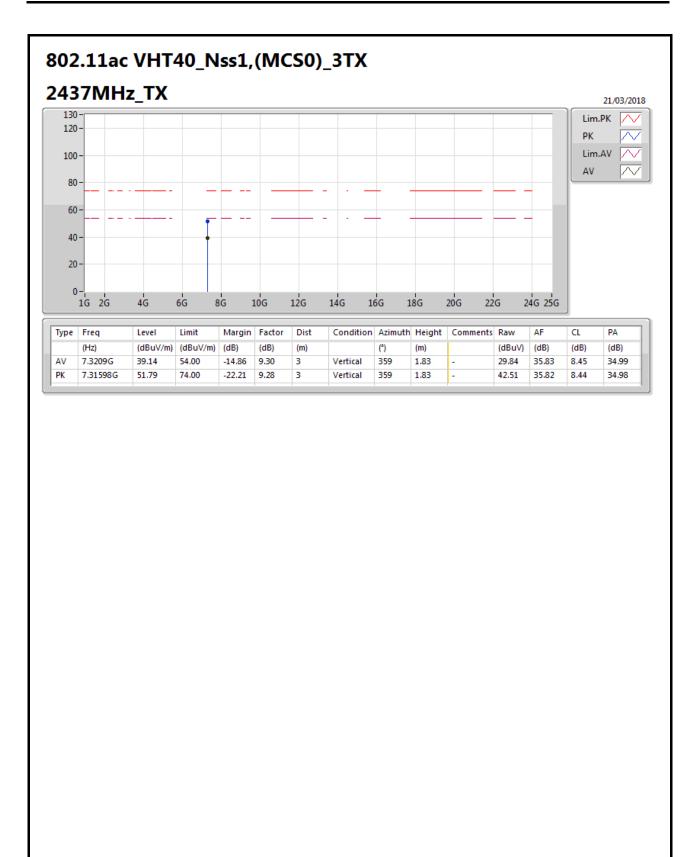
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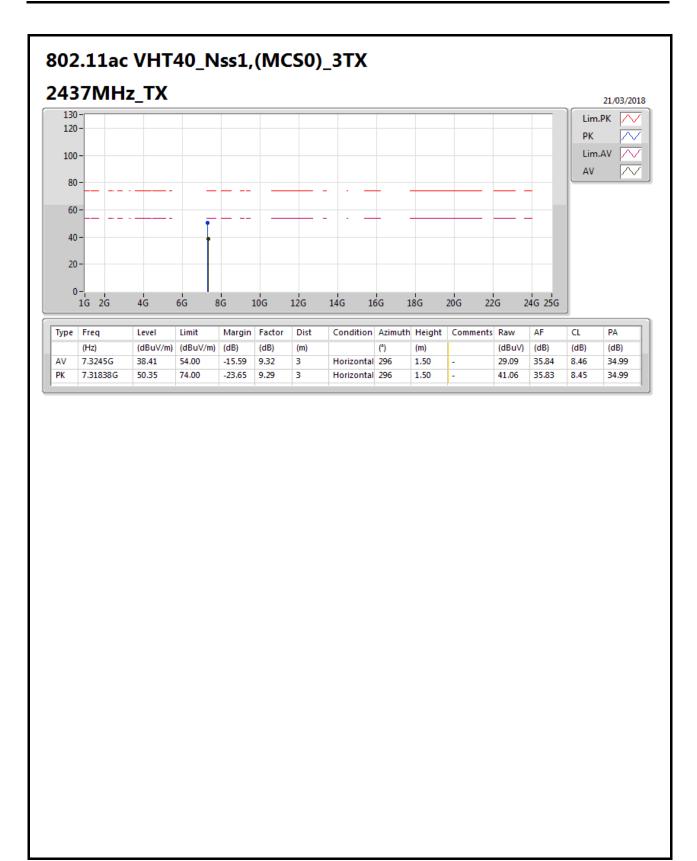
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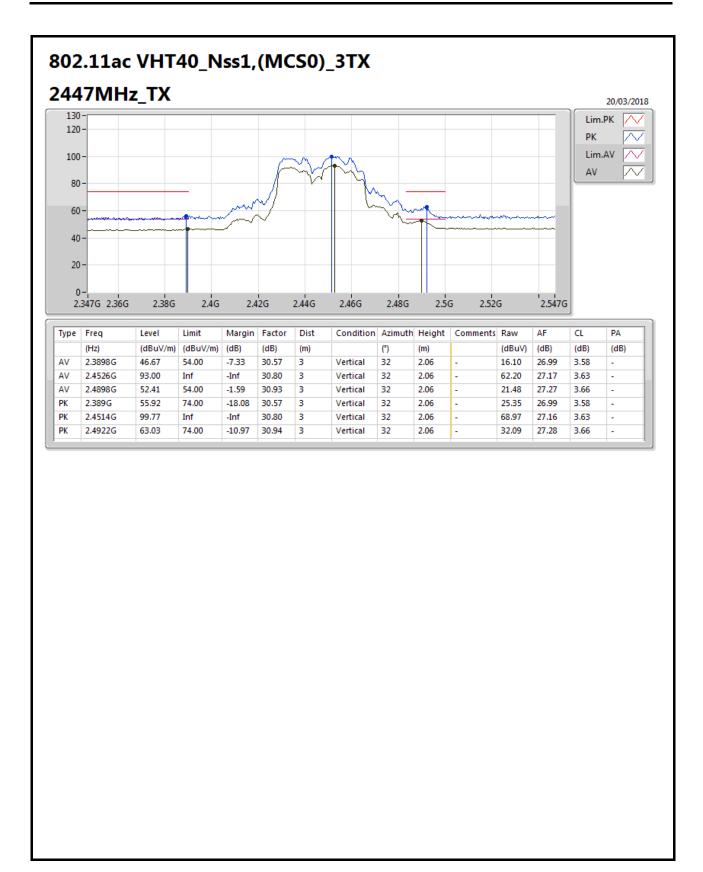
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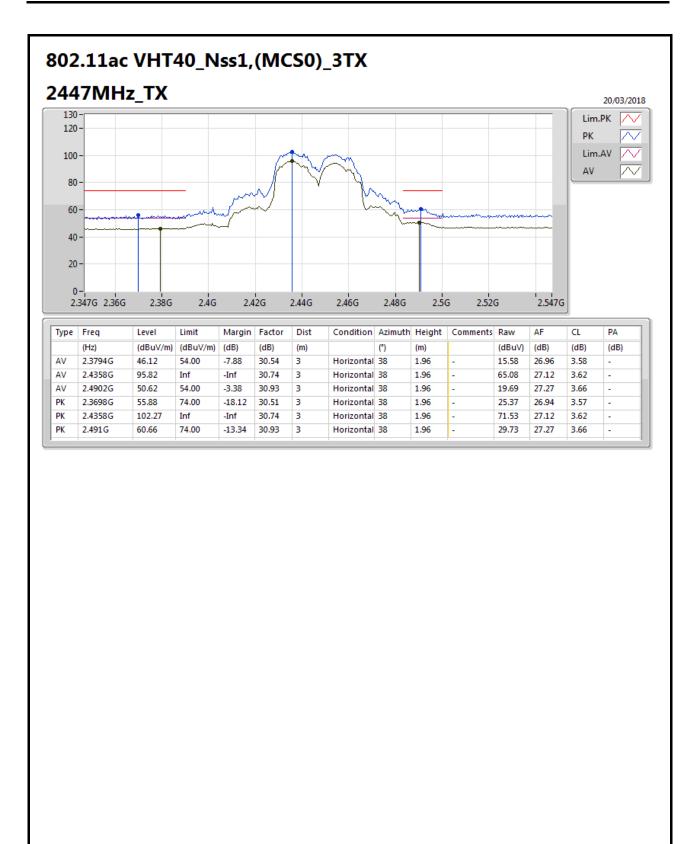
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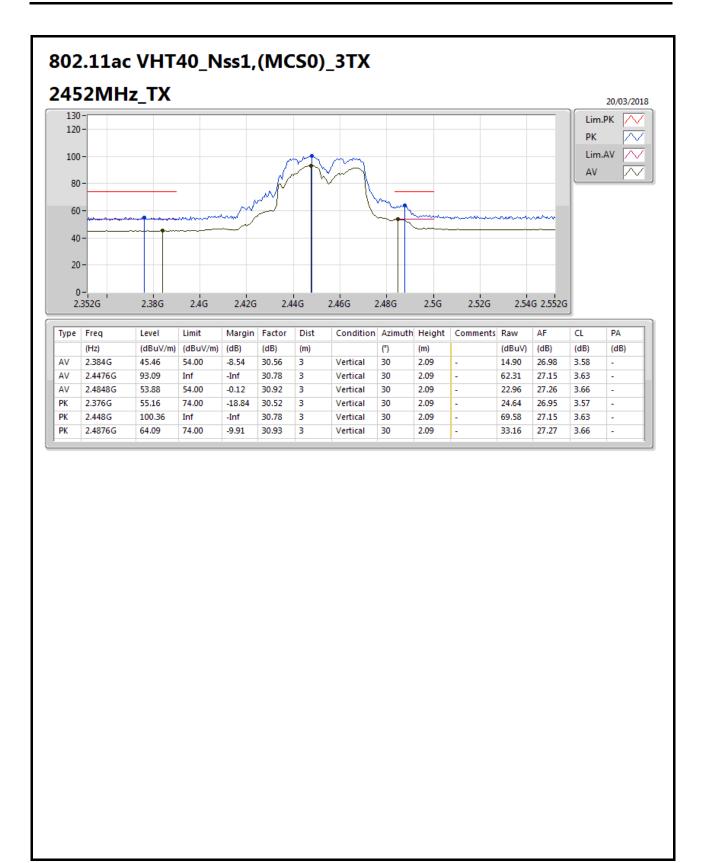
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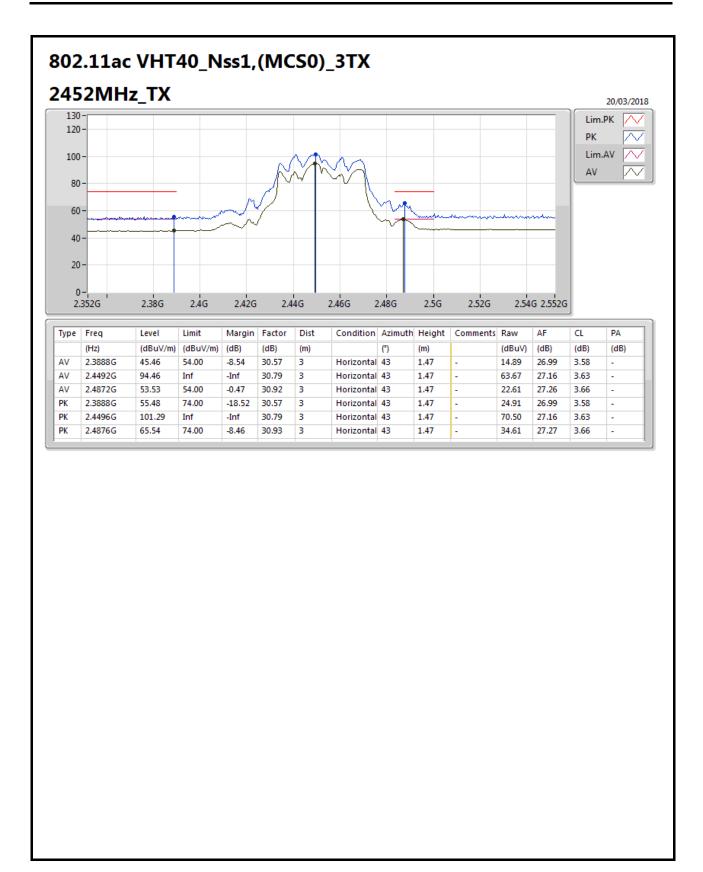
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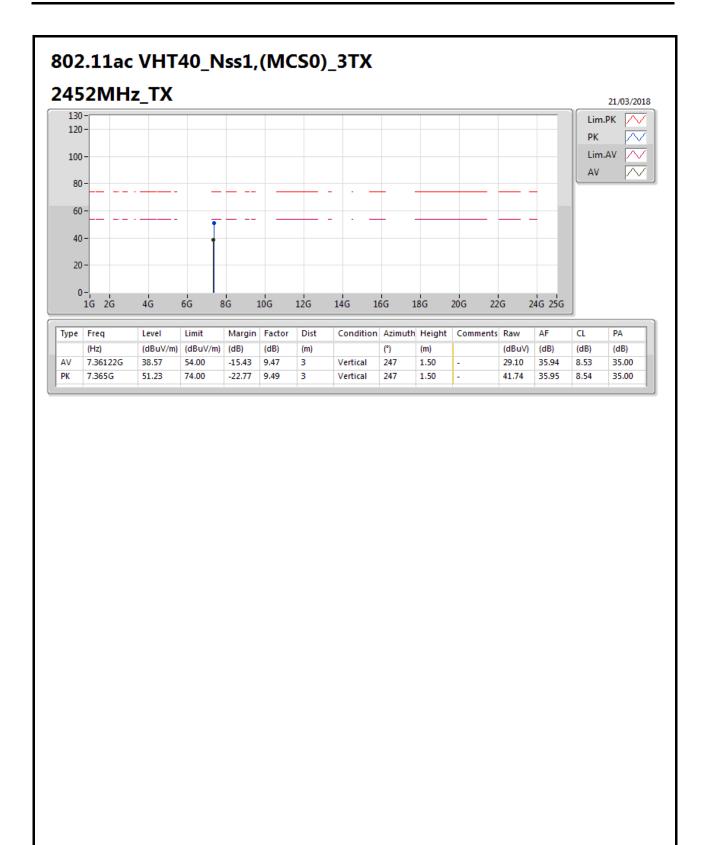
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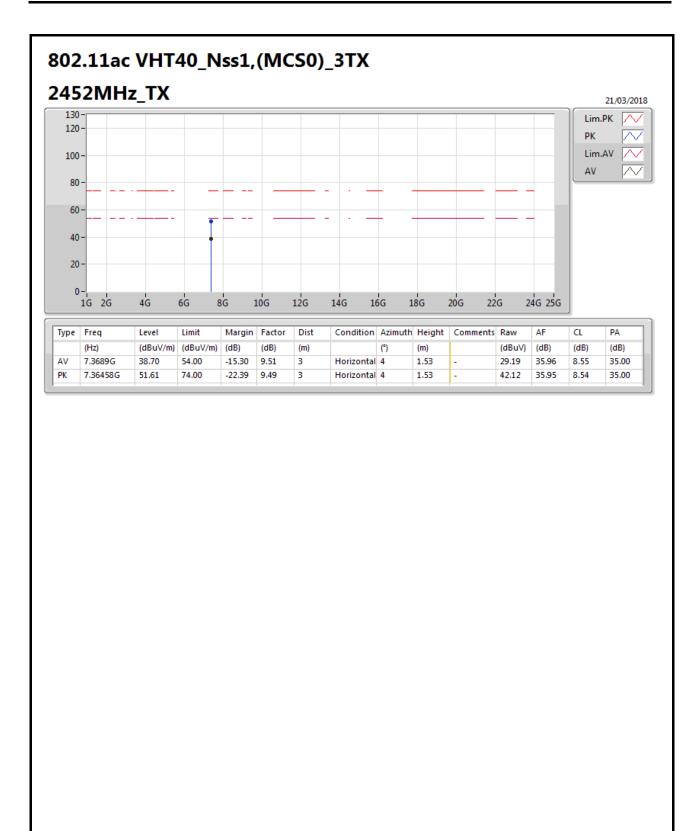
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