

NCC Test Report

Equipment : Wireless Access Point Radio module
Brand Name : riverbed
Model No. : XDR240
Standard : LP0002 Section 4.7 (2016-08-23)
Operating Band : 5250 MHz – 5350 MHz
5470 MHz – 5725 MHz
Applicant : RIVERBED TECHNOLOGY INC
680 Folsom Street San Francisco, California 94107-1397, USA
Manufacturer : RIVERBED TECHNOLOGY INC
680 Folsom Street San Francisco, California 94107-1397, USA
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client
TPC Function : TPC

The product sample received on Jul. 22, 2016 and completely tested on Jan. 12, 2018. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

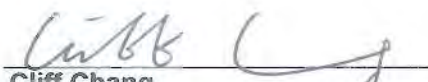

Cliff Chang
SPORTON INTERNATIONAL INC.



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	8
1.3	Testing Location Information	8
1.4	Measurement Uncertainty	8
2	TEST CONFIGURATION OF EUT	9
2.1	Test Channel Mode	9
2.2	The Worst Case Measurement Configuration.....	13
2.3	EUT Operation during Test	13
2.4	Accessories	14
2.5	Support Equipment.....	14
2.6	Test Setup Diagram	15
3	TRANSMITTER TEST RESULT	19
3.1	AC Power-line Conducted Emissions	19
3.2	Emission Bandwidth	21
3.3	Maximum Conducted Output Power	22
3.4	Peak Power Spectral Density.....	25
3.5	Unwanted Emissions.....	28
3.6	Frequency Stability.....	33
4	TEST EQUIPMENT AND CALIBRATION DATA	34
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS		
APPENDIX F. TEST RESULTS OF FREQUENCY STABILITY		
APPENDIX G. TEST PHOTOS		

Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	4.7.8	Antenna Requirement	Complied
3.1	2.3	AC Power-line Conducted Emissions	Complied
3.1	4.7.3	Emission Bandwidth	Complied
3.3	4.7.3	Maximum Conducted Output Power	Complied
3.4	4.7.3	Peak Power Spectral Density	Complied
3.5	4.7.4	Unwanted Emissions	Complied
3.6	-	Frequency Stability	Complied

Note 1: The EUT is a limited module which only limited to the Wireless Access Point (brand: riverbed / model: XA4240).

The EUT was installed to the Wireless Access Point (brand: riverbed / model: XA4240) to perform all the tests.

Note 2: These four radios will be operated in different bands. If they are used in the same band, the output power of each radio will be reduced to make sure that total power is equal to max output power of single radio module



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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
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

Band	Mode	BWch (MHz)	Nant
5.3G	11a	20	4
5.6G	11a	20	4
5.8G	11a	20	4
5.3G	HT20	20	4
5.6G	HT20	20	4
5.8G	HT20	20	4
5.3G	HT20,BF	20	4
5.6G	HT20,BF	20	4
5.8G	HT20,BF	20	4
5.3G	VHT20	20	4
5.6G	VHT20	20	4
5.8G	VHT20	20	4
5.3G	VHT20,BF	20	4
5.6G	VHT20,BF	20	4
5.8G	VHT20,BF	20	4
5.3G	HT40	40	4
5.6G	HT40	40	4
5.8G	HT40	40	4
5.3G	HT40,BF	40	4
5.6G	HT40,BF	40	4
5.8G	HT40,BF	40	4
5.3G	VHT40	40	4
5.6G	VHT40	40	4

Band	Mode	BWch (MHz)	Nant
5.8G	VHT40	40	4
5.3G	VHT40,BF	40	4
5.6G	VHT40,BF	40	4
5.8G	VHT40,BF	40	4
5.3G	VHT80	80	4
5.6G	VHT80	80	4
5.8G	VHT80	80	4
5.3G	VHT80,BF	80	4
5.6G	VHT80,BF	80	4
5.8G	VHT80,BF	80	4

Note:

- ◆ 5.3G/5.3G-I(IC) is the 5.3GHz Band (5.25-5.35GHz).
- ◆ 5.6G is the 5.6GHz Band (5.47-5.725GHz) or w/o TDWR (5.47-5.6GHz and 5.65-5.725GHz).
- ◆ 5.6G-I(IC) is the 5.6GHz IC Band w/o TDWR (5.47-5.6GHz and 5.65-5.725GHz).
- ◆ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ BWch is the nominal channel bandwidth.
- ◆ Nss-Min is the minimum number of spatial streams.
- ◆ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	EMBEDDED WORKS	EW2458-02	Dipole Antenna	Reversed-SMA	2	3
Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
2	Laird	PDQ24499	Directional Antenna	Reversed-SMA	8.6	9.4

Note: The EUT has two type antennas.

The system will install four modules (Radio 1(model: XDR240), Radio 2~ Radio 4(model: XDR241).

The radio 2~4 single radio is same with each other.

Each Radio could connect to 4 chains.

For IEEE 802.11a/n/ac mode (4TX/4RX):

Chain 1, Chain 2, Chain 3 and Chain 4 can be used as transmitting/receiving antenna.

Chain 1, Chain 2, Chain 3 and Chain 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	T(s)	VBW(Hz) $\geq 1/T$
11a	0.991	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT20	0.99	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT20,BF	0.991	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40	0.982	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40,BF	0.981	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT80	0.962	461.25u	3k
VHT80,BF	0.962	461.25u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Host System		
Beamforming Function	☒	With beamforming	☐ Without beamforming
Weather Band	☒	With 5600~5650MHz	☐ Without 5600~5650MHz

Note:

The product has beamforming function for 802.11n in 5GHz band / 802.11ac in 2.4GHz band and 5GHz band.

1.2 Testing Applied Standards

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

- ♦ LP0002 Section 4.7 (2016-08-23)
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01
- ♦ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.	TEL : 886-3-327-3456	FAX : 886-3-318-0055
☒	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.	TEL : 886-3-656-9065	FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Wen Chao	25°C / 61%	Oct. 13, 2016
Radiated	03CH01-CB (Intentional 1GHz~10 th)	Nyle Chang, Steven Liang	26°C / 59%	Oct. 07, 2016~ Oct. 12, 2016
	03CH01-CB (Below 1GHz: Intentional – CTX 、 Unintentional – CRX and Unintentional 1GHz~5 th Harmonic)	Eddie Weng	26°C / 59%	Jan. 09, 2018~ Jan. 12, 2018
AC Conduction	CO01-CB (CTX Test)	Deven Huang	24°C / 62%	Sep. 09, 2016
	CO01-CB (CRX Test)	Howard Liu	21°C / 40%	Jan. 12, 2018

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Dipole Antenna

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.3G	11a	20	1	4	5260	L	60
5.3G	11a	20	1	4	5300	M	60
5.3G	11a	20	1	4	5320	H	60
5.3G	VHT20	20	1,(M0)	4	5260	L	60
5.3G	VHT20	20	1,(M0)	4	5300	M	61
5.3G	VHT20	20	1,(M0)	4	5320	H	61
5.3G	VHT40	40	1,(M0)	4	5270	L	73
5.3G	VHT40	40	1,(M0)	4	5310	H	54
5.3G	VHT80	80	1,(M0)	4	5290	S	53
5.6G	11a	20	1	4	5500	L	58
5.6G	11a	20	1	4	5580	M	59
5.6G	11a	20	1	4	5700	H	59
5.6G	11a	20	1	4	5720	C	70
5.6G	VHT20	20	1,(M0)	4	5500	L	59
5.6G	VHT20	20	1,(M0)	4	5580	M	60
5.6G	VHT20	20	1,(M0)	4	5700	H	60
5.6G	VHT20	20	1,(M0)	4	5720	C	70
5.6G	VHT40	40	1,(M0)	4	5510	L	57
5.6G	VHT40	40	1,(M0)	4	5550	M	71
5.6G	VHT40	40	1,(M0)	4	5670	H	71
5.6G	VHT40	40	1,(M0)	4	5710	C	69
5.6G	VHT80	80	1,(M0)	4	5530	L	54
5.6G	VHT80	80	1,(M0)	4	5610	H	74
5.6G	VHT80	80	1,(M0)	4	5690	C	68
5.8G	11a	20	1	4	5720	C	70
5.8G	VHT20	20	1,(M0)	4	5720	C	70
5.8G	VHT40	40	1,(M0)	4	5710	C	69
5.8G	VHT80	80	1,(M0)	4	5690	C	68
5.3G	VHT20,BF	20	1,(M0)	4	5260	L	53
5.3G	VHT20,BF	20	1,(M0)	4	5300	M	53
5.3G	VHT20,BF	20	1,(M0)	4	5320	H	53
5.3G	VHT40,BF	40	1,(M0)	4	5270	L	53
5.3G	VHT40,BF	40	1,(M0)	4	5310	H	53
5.3G	VHT80,BF	80	1,(M0)	4	5290	S	49
5.6G	VHT20,BF	20	1,(M0)	4	5500	L	58
5.6G	VHT20,BF	20	1,(M0)	4	5580	M	59

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.6G	VHT20,BF	20	1,(M0)	4	5700	H	58
5.6G	VHT20,BF	20	1,(M0)	4	5720	C	70
5.6G	VHT40,BF	40	1,(M0)	4	5510	L	57
5.6G	VHT40,BF	40	1,(M0)	4	5550	M	58
5.6G	VHT40,BF	40	1,(M0)	4	5670	H	58
5.6G	VHT40,BF	40	1,(M0)	4	5710	C	71
5.6G	VHT80,BF	80	1,(M0)	4	5530	L	56
5.6G	VHT80,BF	80	1,(M0)	4	5610	H	59
5.6G	VHT80,BF	80	1,(M0)	4	5690	C	71
5.8G	VHT20,BF	20	1,(M0)	4	5720	C	70
5.8G	VHT40,BF	40	1,(M0)	4	5710	C	71
5.8G	VHT80,BF	80	1,(M0)	4	5690	C	71

For Directional Antenna

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.3G	11a	20	1	4	5260	L	39
5.3G	11a	20	1	4	5300	M	39
5.3G	11a	20	1	4	5320	H	39
5.3G	VHT20	20	1,(M0)	4	5260	L	40
5.3G	VHT20	20	1,(M0)	4	5300	M	40
5.3G	VHT20	20	1,(M0)	4	5320	H	40
5.3G	VHT40	40	1,(M0)	4	5270	L	52
5.3G	VHT40	40	1,(M0)	4	5310	H	49
5.3G	VHT80	80	1,(M0)	4	5290	S	40
5.6G	11a	20	1	4	5500	L	43
5.6G	11a	20	1	4	5580	M	43
5.6G	11a	20	1	4	5700	H	44
5.6G	11a	20	1	4	5720	C	44
5.6G	VHT20	20	1,(M0)	4	5500	L	44
5.6G	VHT20	20	1,(M0)	4	5580	M	45
5.6G	VHT20	20	1,(M0)	4	5700	H	45
5.6G	VHT20	20	1,(M0)	4	5720	C	45
5.6G	VHT40	40	1,(M0)	4	5510	L	52
5.6G	VHT40	40	1,(M0)	4	5550	M	56
5.6G	VHT40	40	1,(M0)	4	5670	H	57
5.6G	VHT40	40	1,(M0)	4	5710	C	57
5.6G	VHT80	80	1,(M0)	4	5530	L	49
5.6G	VHT80	80	1,(M0)	4	5610	H	65
5.6G	VHT80	80	1,(M0)	4	5690	C	69
5.8G	11a	20	1	4	5720	C	44
5.8G	VHT20	20	1,(M0)	4	5720	C	45
5.8G	VHT40	40	1,(M0)	4	5710	C	57
5.8G	VHT80	80	1,(M0)	4	5690	C	69
5.3G	VHT20,BF	20	1,(M0)	4	5260	L	37
5.3G	VHT20,BF	20	1,(M0)	4	5300	M	37
5.3G	VHT20,BF	20	1,(M0)	4	5320	H	37
5.3G	VHT40,BF	40	1,(M0)	4	5270	L	37
5.3G	VHT40,BF	40	1,(M0)	4	5310	H	38
5.3G	VHT80,BF	80	1,(M0)	4	5290	S	38
5.6G	VHT20,BF	20	1,(M0)	4	5500	L	41
5.6G	VHT20,BF	20	1,(M0)	4	5580	M	41
5.6G	VHT20,BF	20	1,(M0)	4	5700	H	42
5.6G	VHT20,BF	20	1,(M0)	4	5720	C	44
5.6G	VHT40,BF	40	1,(M0)	4	5510	L	42
5.6G	VHT40,BF	40	1,(M0)	4	5550	M	42

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.6G	VHT40,BF	40	1,(M0)	4	5670	H	41
5.6G	VHT40,BF	40	1,(M0)	4	5710	C	46
5.6G	VHT80,BF	80	1,(M0)	4	5530	L	41
5.6G	VHT80,BF	80	1,(M0)	4	5610	H	43
5.6G	VHT80,BF	80	1,(M0)	4	5690	C	45
5.8G	VHT20,BF	20	1,(M0)	4	5720	C	44
5.8G	VHT40,BF	40	1,(M0)	4	5710	C	46
5.8G	VHT80,BF	80	1,(M0)	4	5690	C	45

Note:

- ♦ Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch.) and C (Straddle Band Ch.).
- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- ♦ There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11n/ac. All test results were recorded in the report.

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT Z axis + Ant.1
2	EUT Z axis + Ant.2

2.3 EUT Operation during Test

For CTX:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Xircon V1.0.2.25.
3. Executed "Lantest.exe " to link with the remote workstation to receive and transmit packet by RX Device and transmit duty cycle no less than 98%.

For CRX:

The EUT was programmed to be in continuously Receiving mode.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB (Intentional – CTX、Unintentional – CRX)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	PoE	Microsemi	PD-9501-10G/AC	DoC
3	Host system	XIRRUS	XA4240	DoC

For Test Site No: 03CH01-CB

(Below 1GHz: Intentional – CTX、Unintentional – CRX and Unintentional 1GHz~5th Harmonic)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC
2	Host system	riverbed	XA4240	DoC
3	PoE	Motorola	PD-7001G	N/A

For Test Site No: 03CH01-CB (above 1GHz)

<For Non-Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC
2	Host system	XIRRUS	XA4240	DoC
3	PoE	Motorola	PD-7001G	N/A

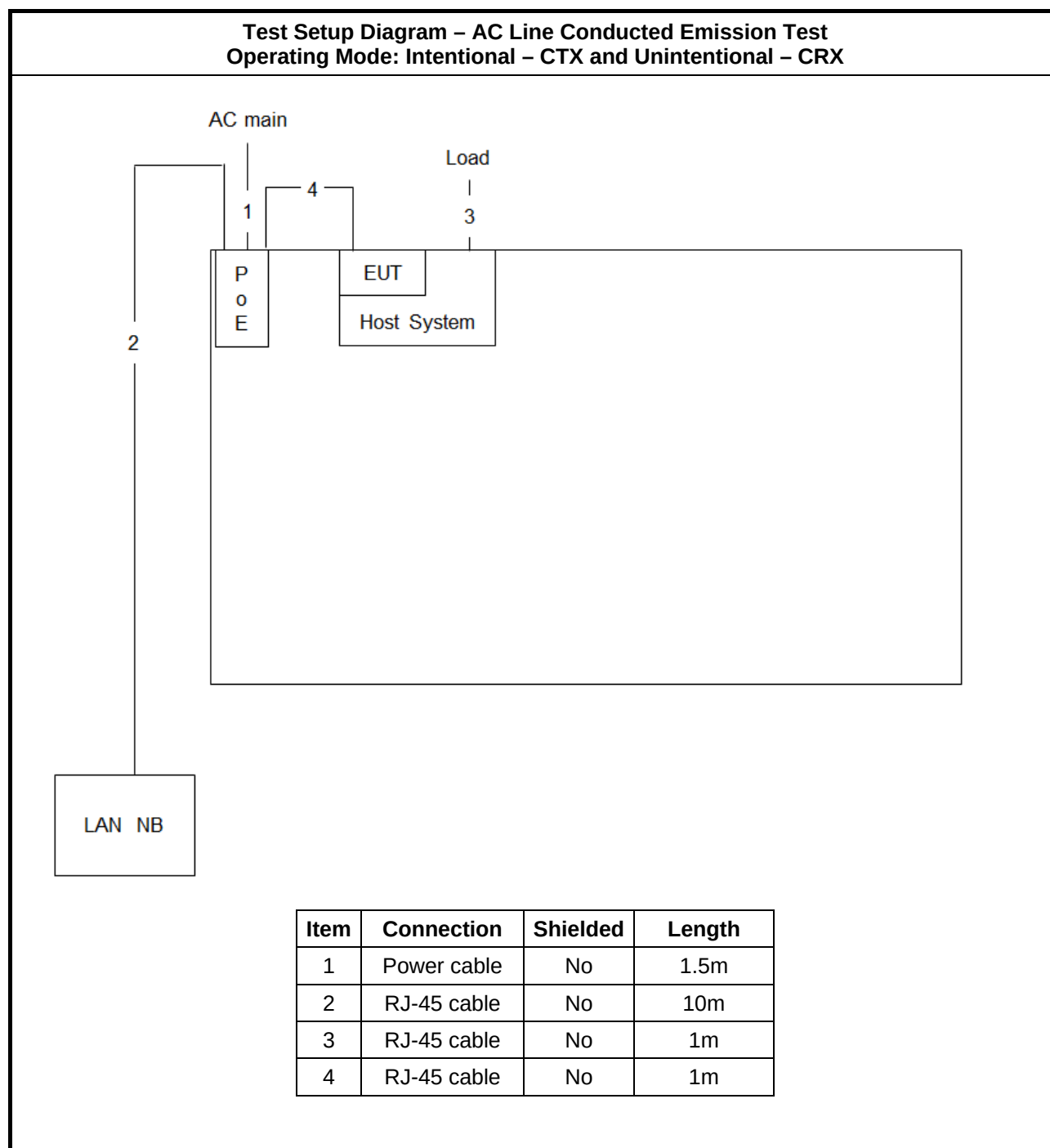
<For Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook*2	DELL	E4300	DoC
2	WLAN module	Broadcom	Bcm4366	N/A
3	PoE	Motorola	PD-7001G	N/A
4	Host system	XIRRUS	XA4240	DoC

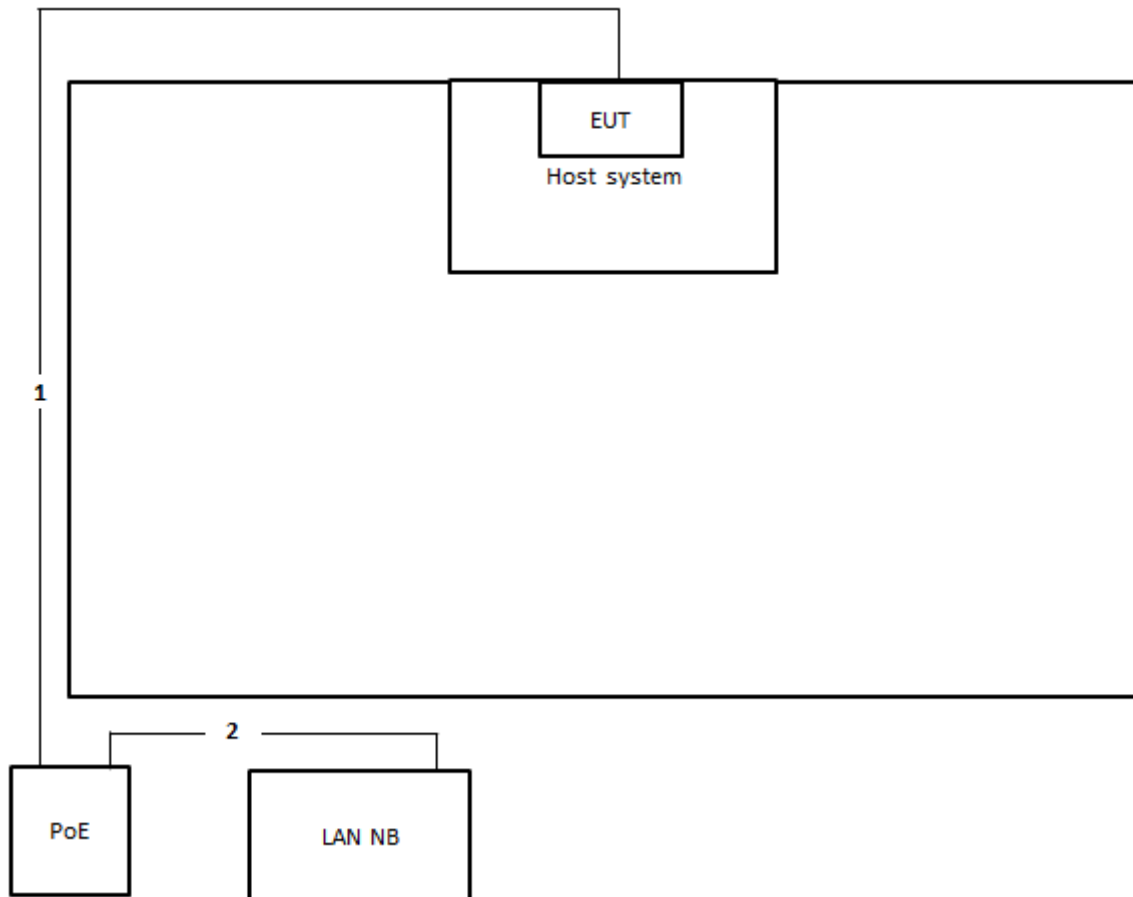
For Test Site No: TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	DoC
2	Host system	XIRRUS	XA4240	DoC
3	PoE	Motorola	PD-7001G	N/A

2.6 Test Setup Diagram

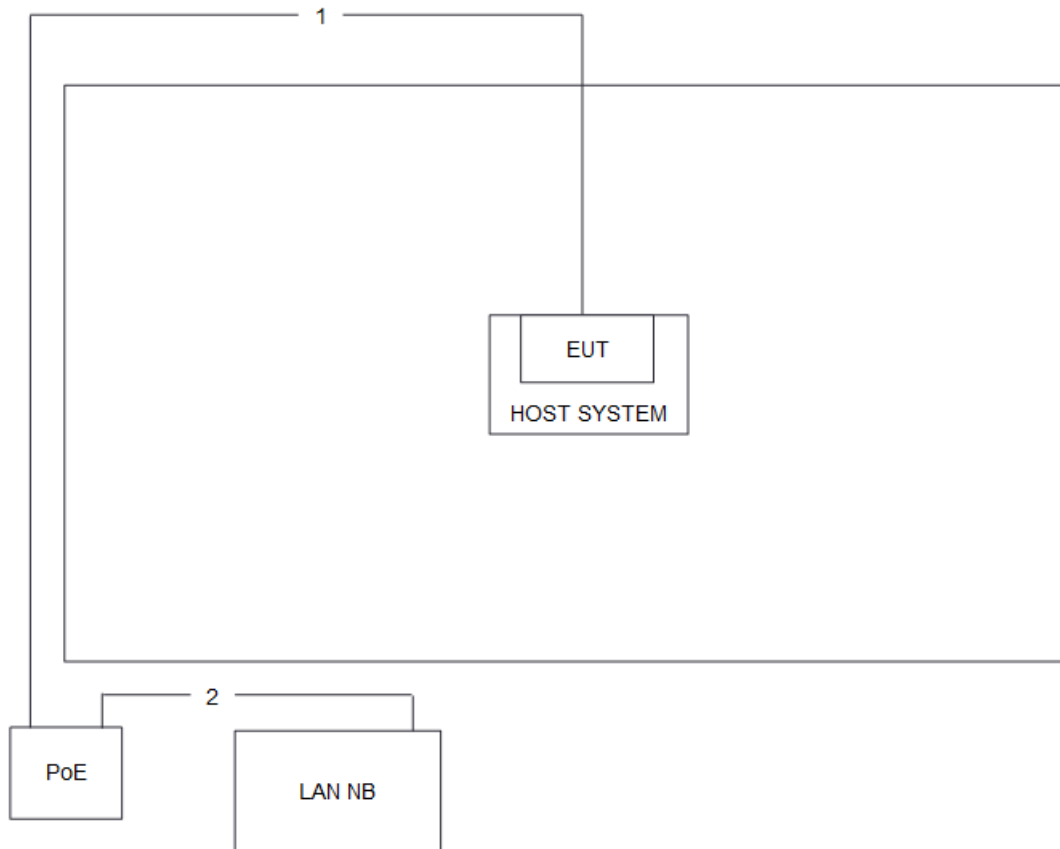


Test Setup Diagram - Radiated Test < 1GHz and Unintentional 1GHz~5th Harmonic
Operating Mode: Intentional – CTX and Unintentional – CRX



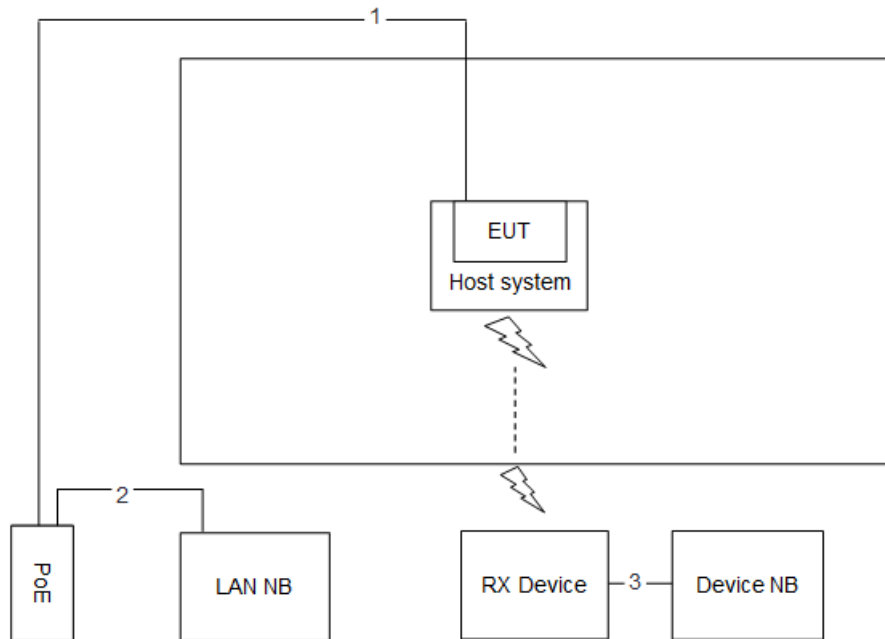
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m

**Test Setup Diagram - Radiated Test > 1GHz <For Non-Beamforming Mode>
Operating Mode: Intentional 1GHz~10th Harmonic**



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m

**Test Setup Diagram - Radiated Test > 1GHz <For Beamforming Mode>
Operating Mode: Intentional 1GHz~10th Harmonic**



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

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.

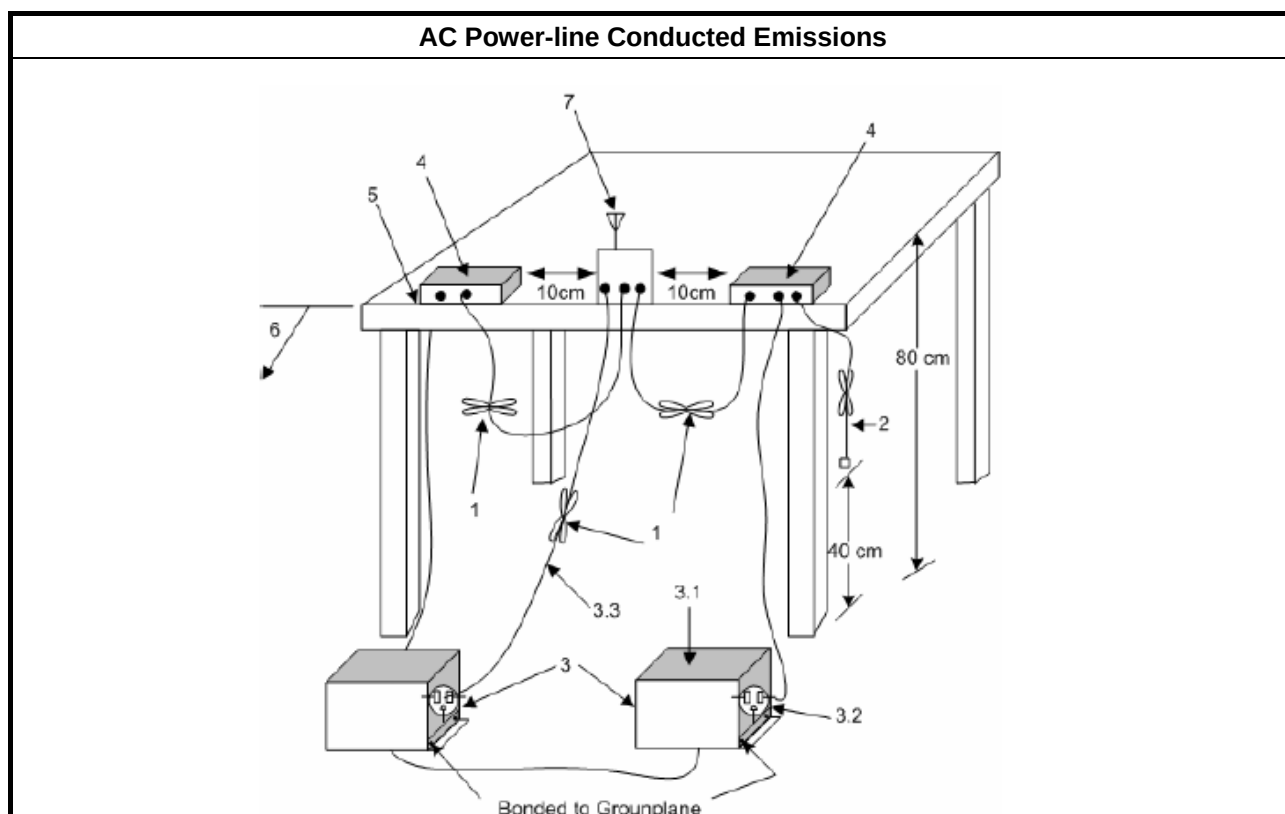
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as 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

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

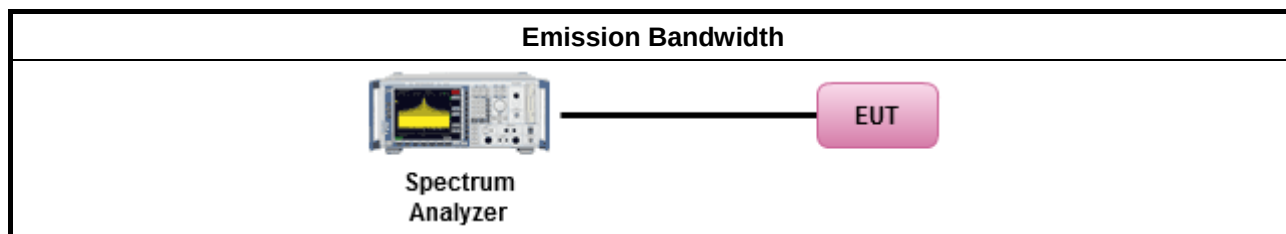
3.2.2 Measuring Instruments

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 FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☒	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

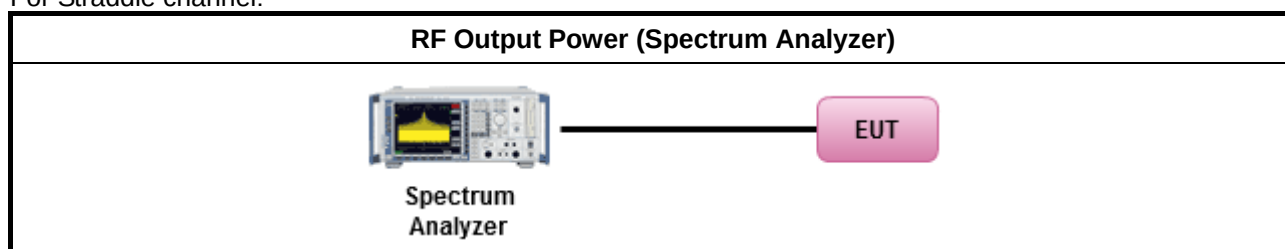
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

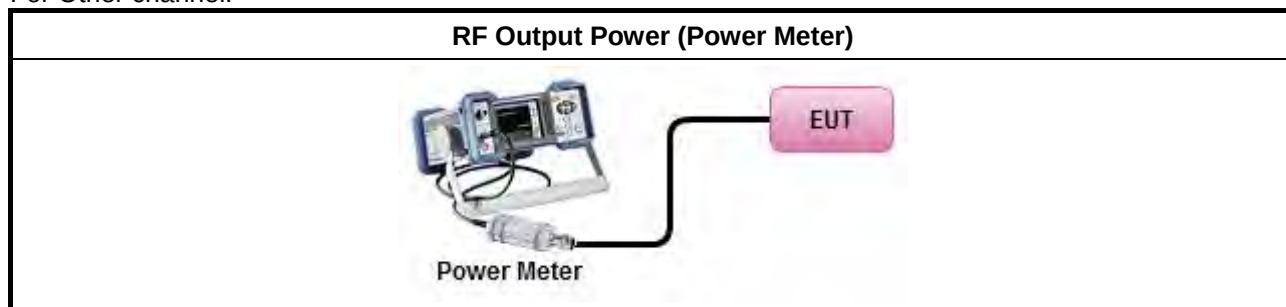
Test Method	
Maximum Conducted Output Power	
	[duty cycle $\geq$ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033 , clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 , clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 789033 , clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 , clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 , clause E Method PM-G (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For Straddle channel:



For Other channel:



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

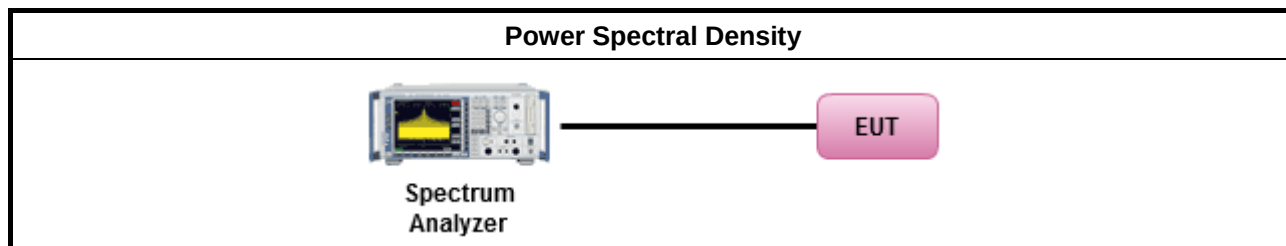
3.4.2 Measuring Instruments

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

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 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.

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

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

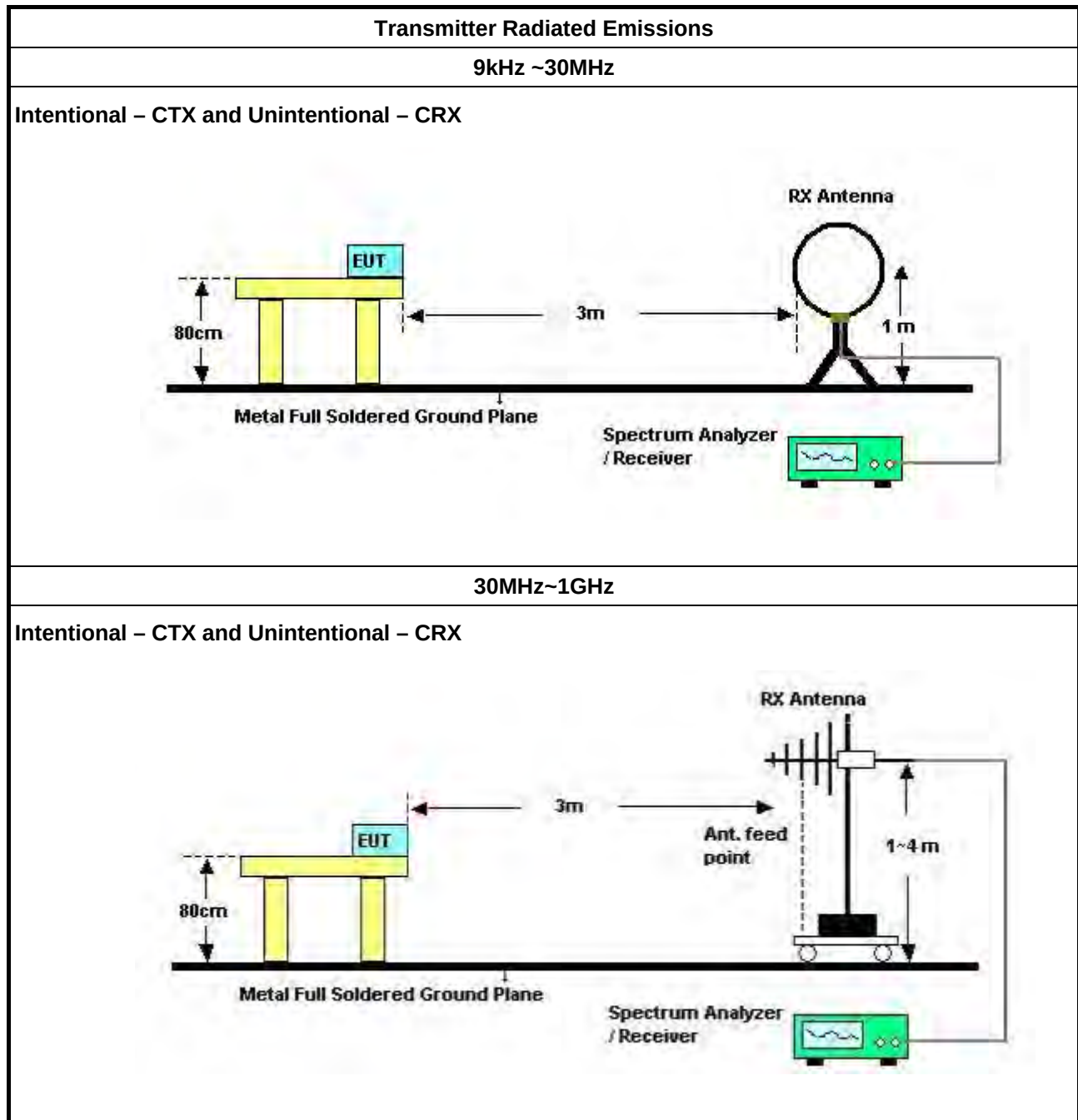
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

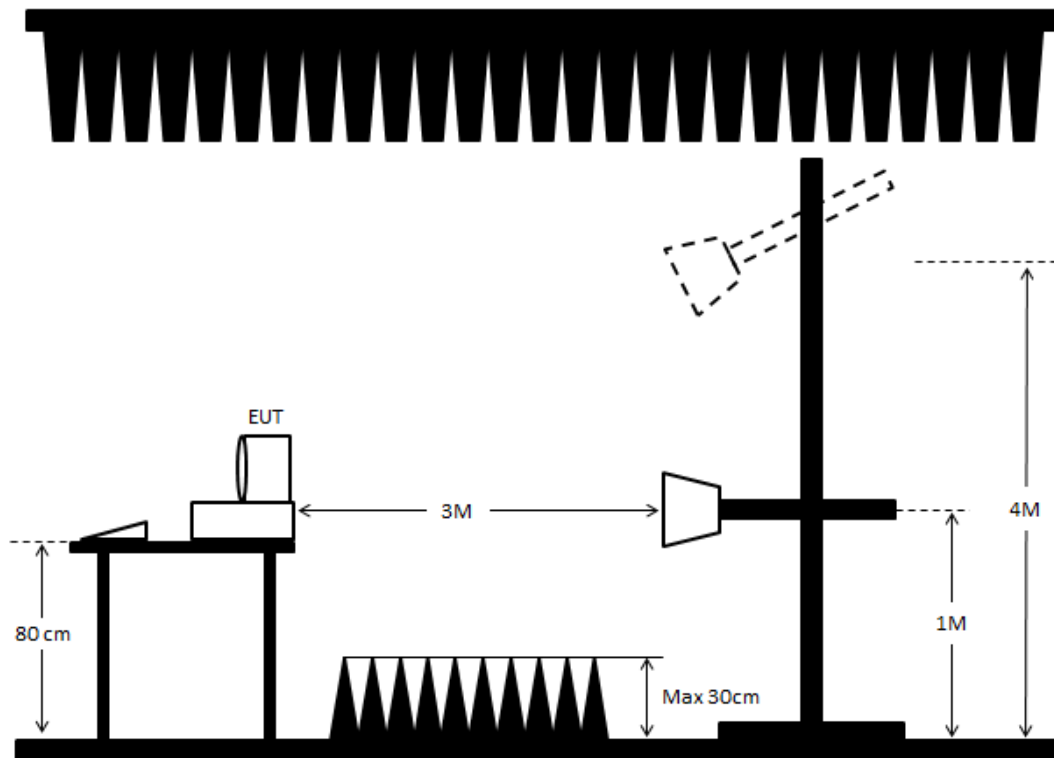
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
	For radiated measurement.
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	The any unwanted emissions level shall not exceed the fundamental emission level.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup

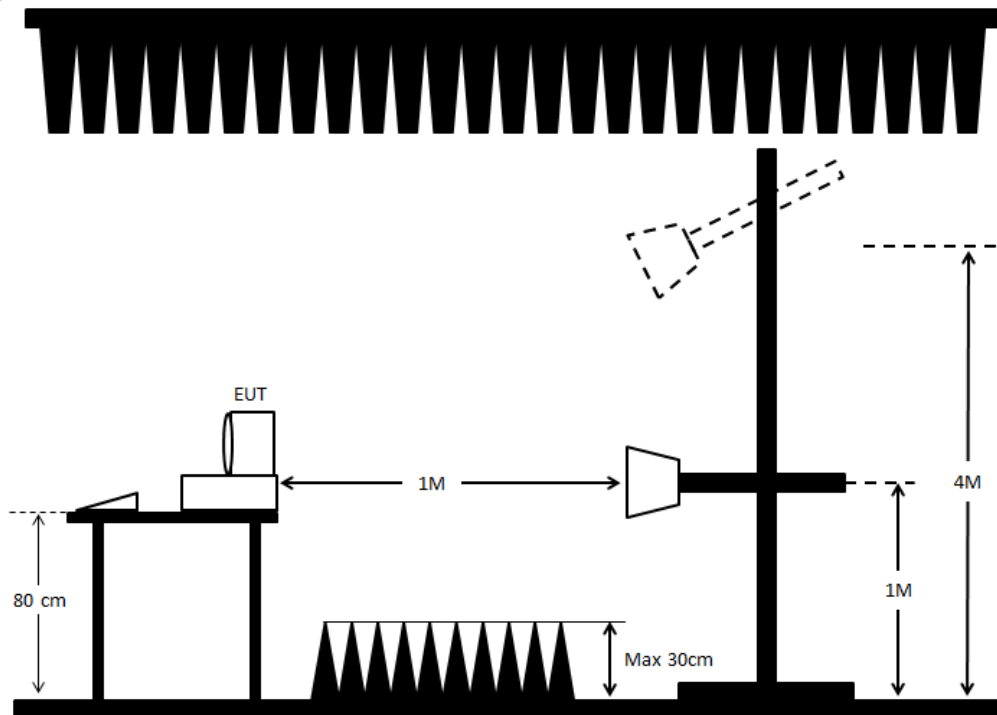


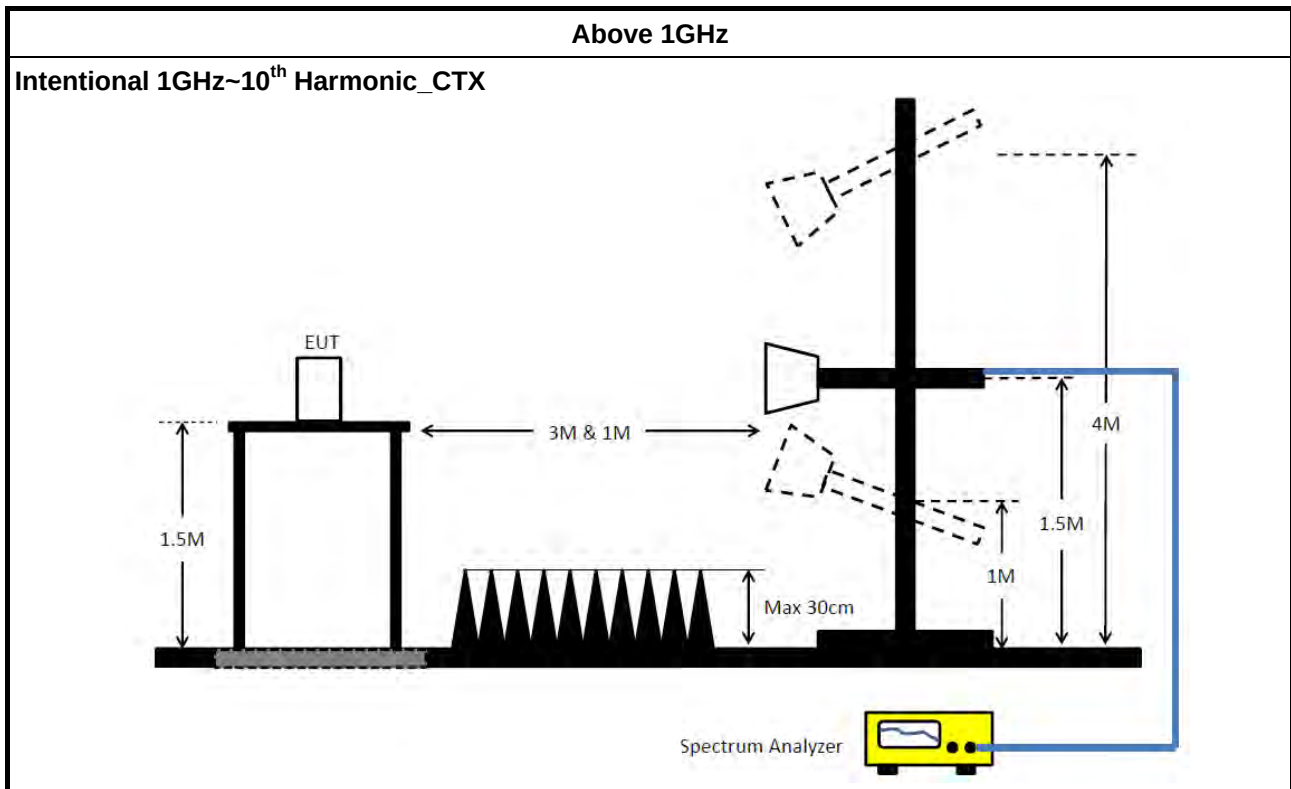
Above 1GHz

Unintentional 1GHz~5th Harmonic_CRX
1,000~18,000 MHz



18,000~30,000 MHz





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
N/A
IEEE Std. 802.11
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

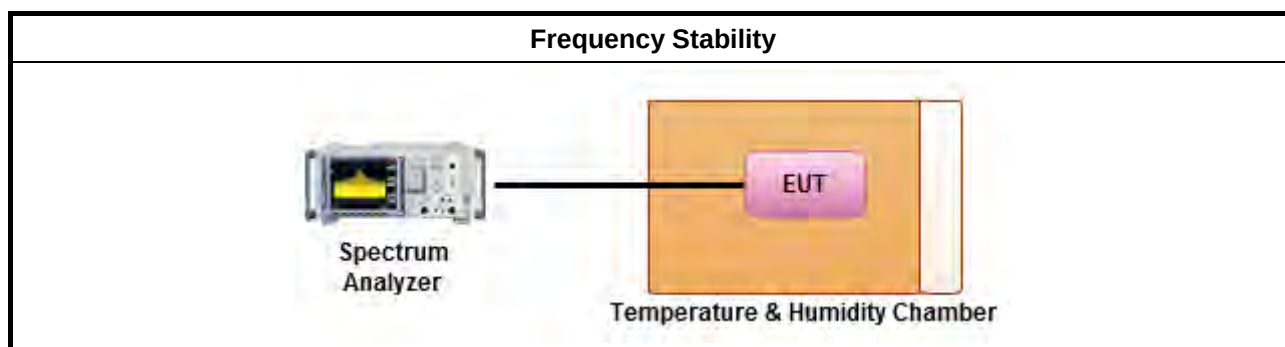
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10, clause 6.8 for frequency stability tests
- Frequency stability with respect to ambient temperature - Frequency stability when varying supply voltage - Extreme temperature is 0°C~50°C.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Jan. 26, 2017	Conduction (CO01-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Dec. 07, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Dec. 22, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	May 23, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Oct. 21, 2016	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Jul. 24, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Jan. 17, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)



NCC Test Report

Report No. : TR681228-07AC

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 13, 2015	Nov. 12, 2016	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Oct. 26, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Nov. 01, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Nov. 01, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Nov. 01, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Nov. 01, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Dec. 08, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Jun. 02, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)



NCC Test Report

Report No. : TR681228-07AC

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	U2021XA	MY53410002	50MHz~18GHz	Nov. 02, 2015	Nov. 01, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 20, 2016	Apr. 19, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Apr. 20, 2016	Apr. 19, 2017	Conducted (TH01-CB)

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



AC Power-line Conducted Emissions Result									
Operating Mode	2			Power Phase			Neutral		
Operating Function	Unintentional – CRX								
Level (dBuV) Date: 2018-01-12 Time: 15:50:46									
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase
	MHz	dBuV	Limit	Line	Level	Factor	Loss		
			dB	dBuV	dBuV	dB	dB		
1	0.2007	37.27	-16.31	53.58	27.13	10.01	0.13	Average	NEUTRAL
2	0.2007	45.36	-18.22	63.58	35.22	10.01	0.13	QP	NEUTRAL
3	0.3035	33.85	-16.30	50.15	23.64	10.15	0.06	Average	NEUTRAL
4	0.3035	40.50	-19.65	60.15	30.29	10.15	0.06	QP	NEUTRAL
5	2.5266	29.85	-16.15	46.00	19.73	9.95	0.17	Average	NEUTRAL
6	2.5266	42.28	-13.72	56.00	32.16	9.95	0.17	QP	NEUTRAL
7	2.7356	33.49	-12.51	46.00	23.38	9.95	0.16	Average	NEUTRAL
8	2.7356	46.85	-9.15	56.00	36.74	9.95	0.16	QP	NEUTRAL
9	2.8390	34.27	-11.73	46.00	24.16	9.95	0.16	Average	NEUTRAL
10	2.8390	49.13	-6.87	56.00	39.02	9.95	0.16	QP	NEUTRAL
11	2.9307	30.13	-15.87	46.00	20.03	9.95	0.15	Average	NEUTRAL
12	2.9307	44.56	-11.44	56.00	34.46	9.95	0.15	QP	NEUTRAL

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.)

AC Power-line Conducted Emissions Result									
Operating Mode	2				Power Phase		Line		
Operating Function	Unintentional – CRX								
Level (dBuV) Date: 2018-01-12 Time: 15:46:19									
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2029	35.72	-17.77	53.49	25.68	9.91	0.13	Average	LINE
2	0.2029	47.83	-15.66	63.49	37.79	9.91	0.13	QP	LINE
3	0.3035	34.78	-15.37	50.15	24.79	9.93	0.06	Average	LINE
4	0.3035	41.22	-18.93	60.15	31.23	9.93	0.06	QP	LINE
5	2.5400	28.31	-17.69	46.00	18.18	9.96	0.17	Average	LINE
6	2.5400	41.48	-14.52	56.00	31.35	9.96	0.17	QP	LINE
7	2.7191	28.64	-17.36	46.00	18.52	9.96	0.16	Average	LINE
8	2.7191	45.38	-10.62	56.00	35.26	9.96	0.16	QP	LINE
9	2.8434	33.18	-12.82	46.00	23.07	9.96	0.15	Average	LINE
10	2.8434	48.30	-7.70	56.00	38.19	9.96	0.15	QP	LINE
11	2.9405	29.67	-16.33	46.00	19.56	9.96	0.15	Average	LINE
12	2.9405	43.42	-12.58	56.00	33.31	9.96	0.15	QP	LINE

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.)



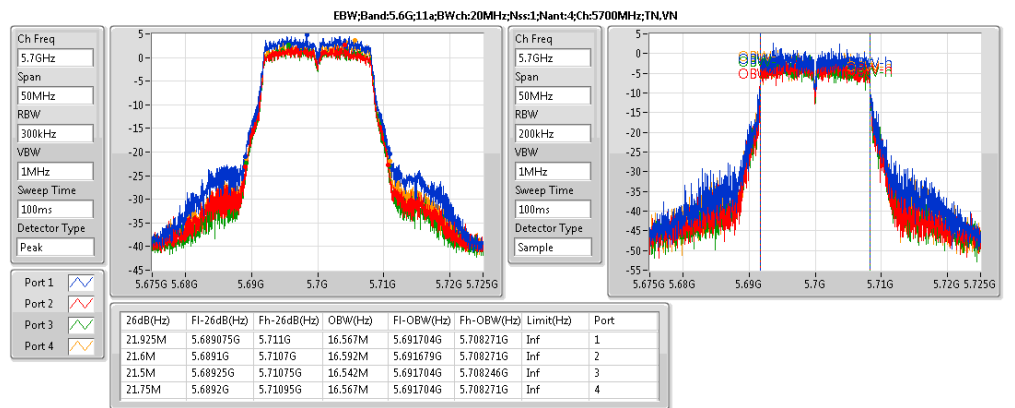
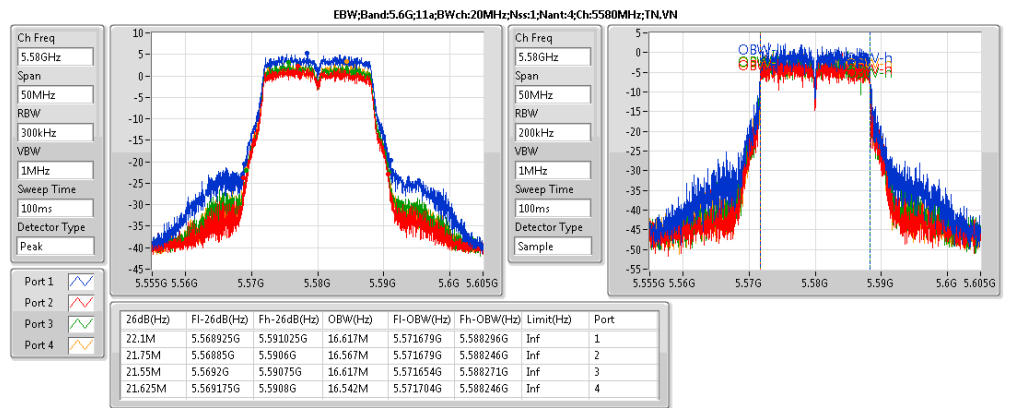
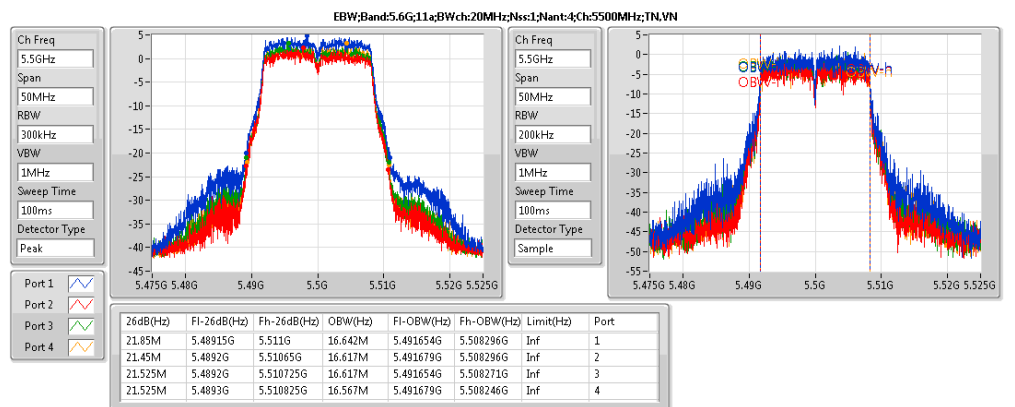
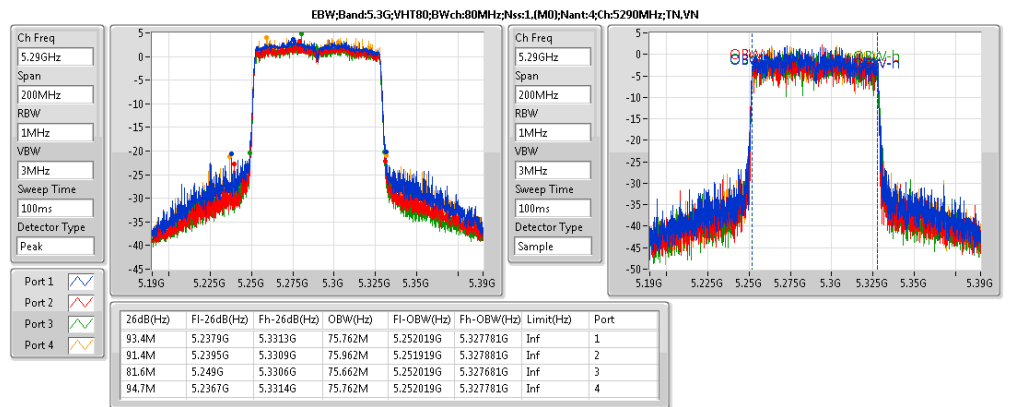
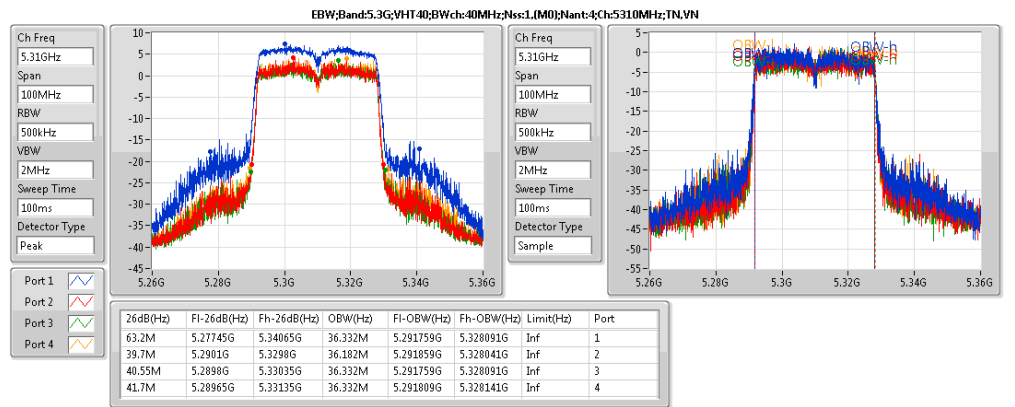
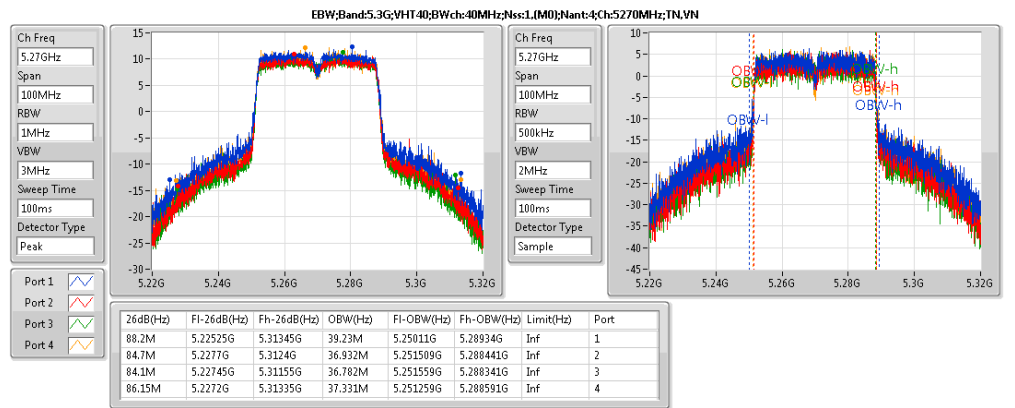
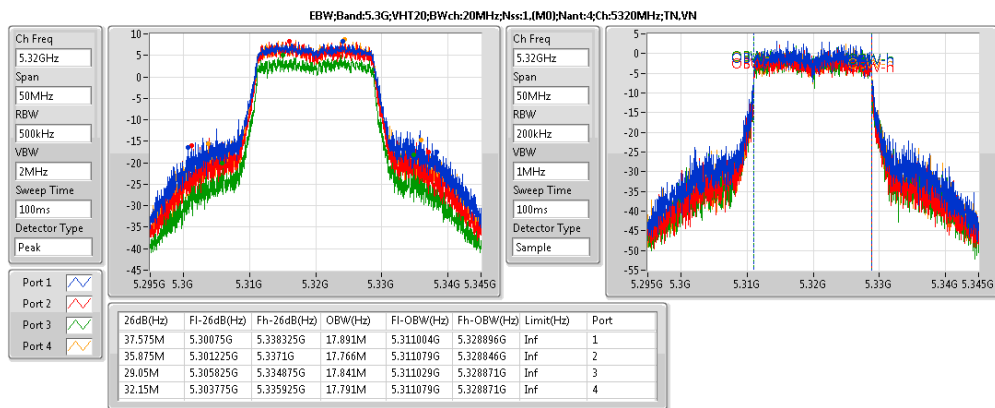
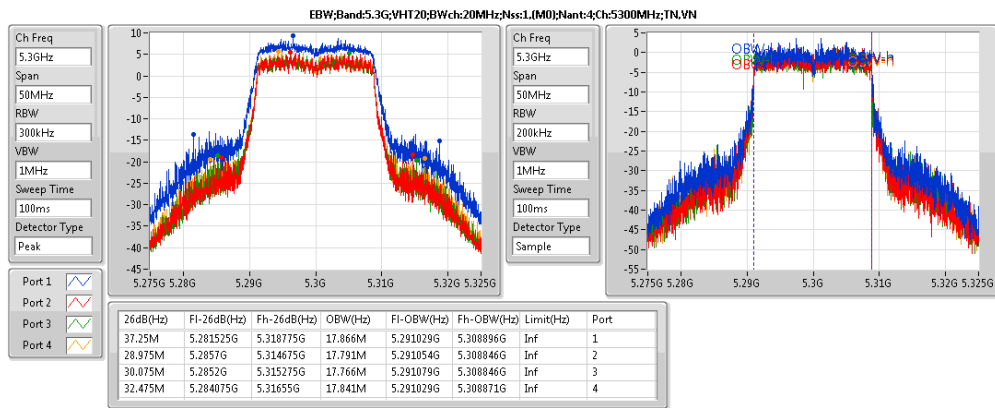
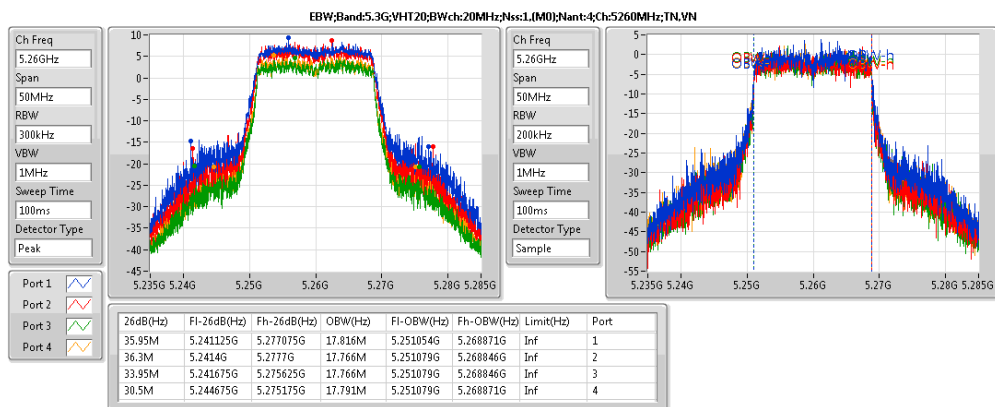
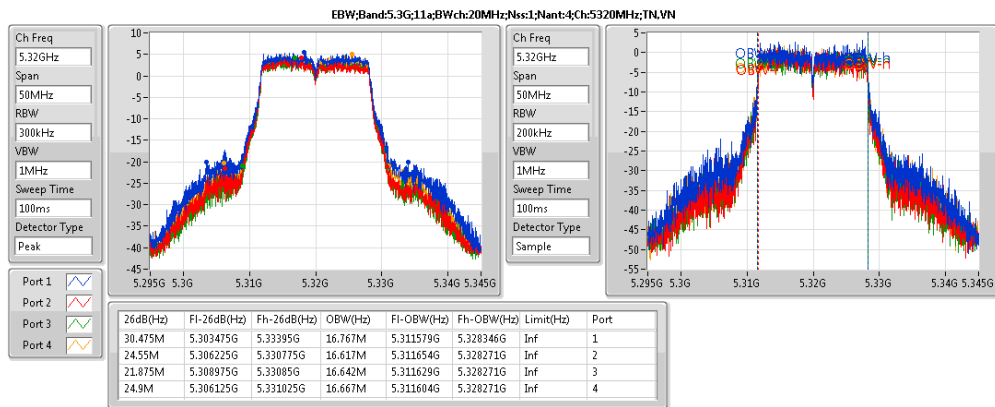
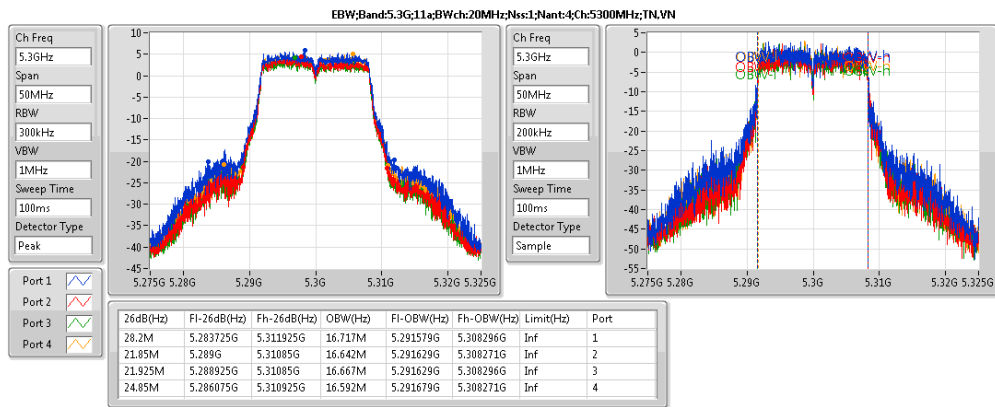
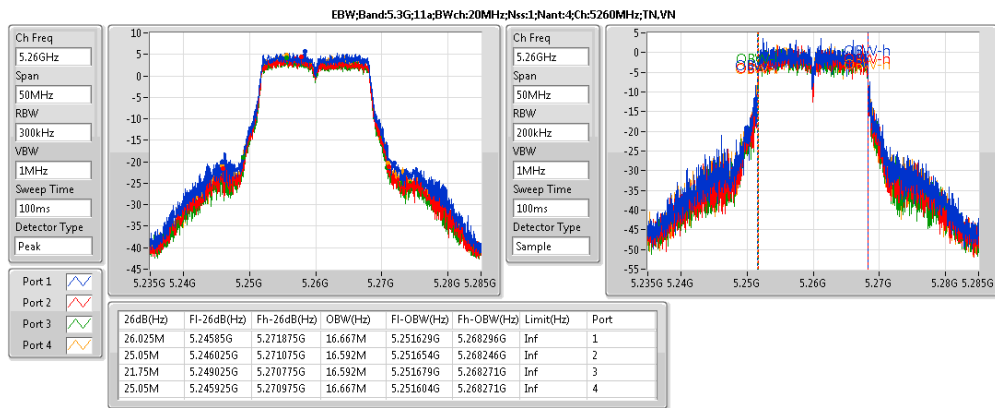
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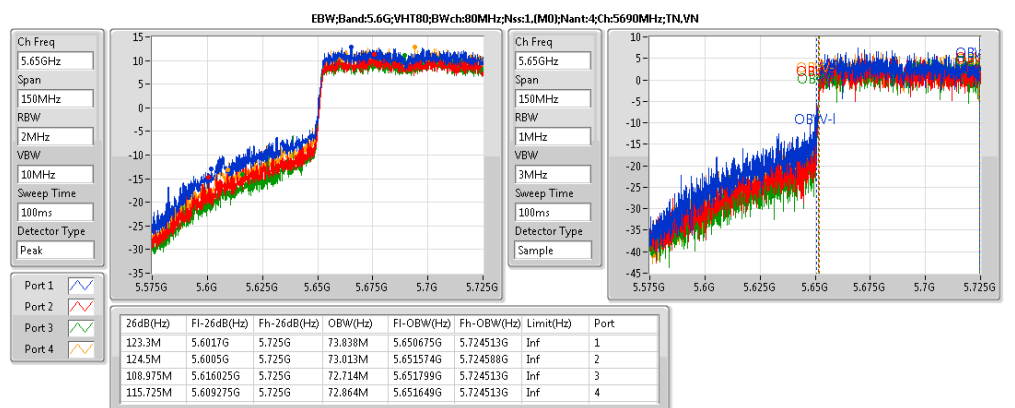
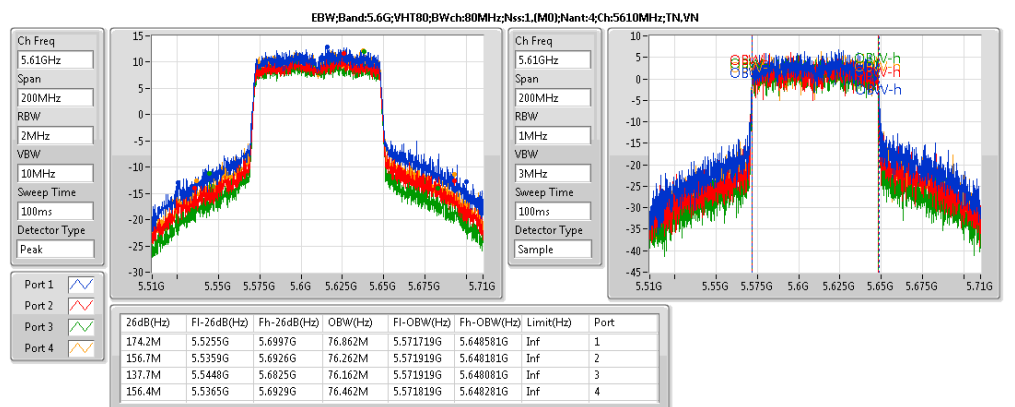
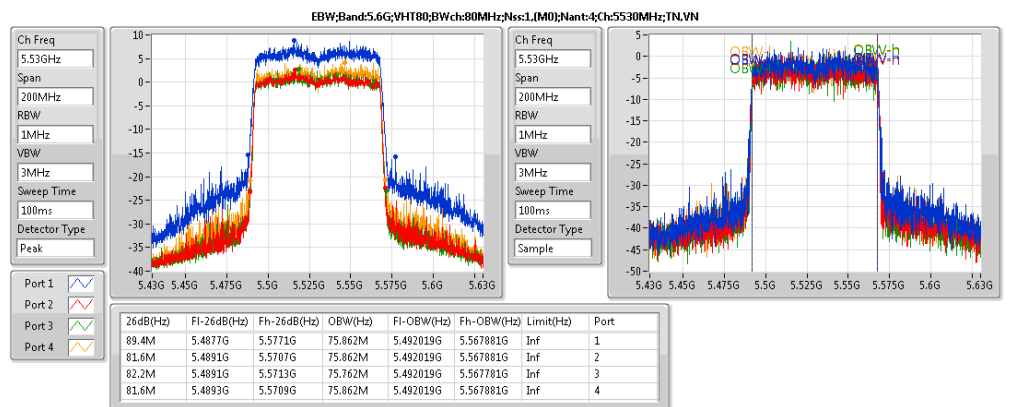
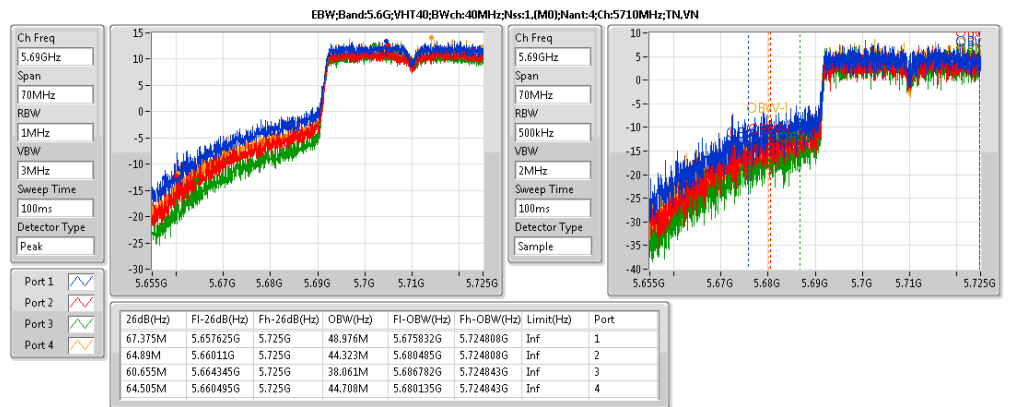
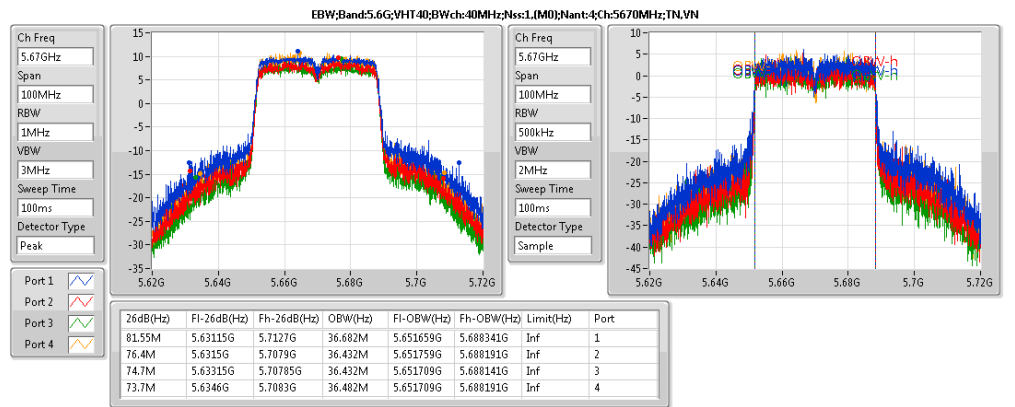
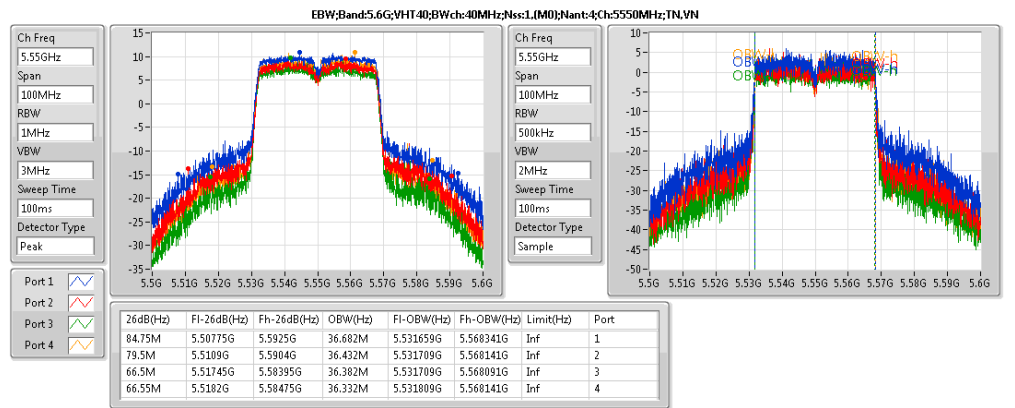
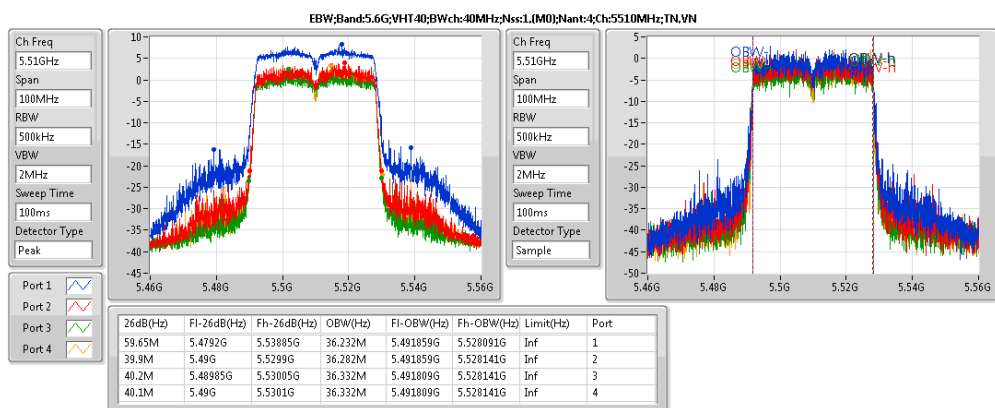
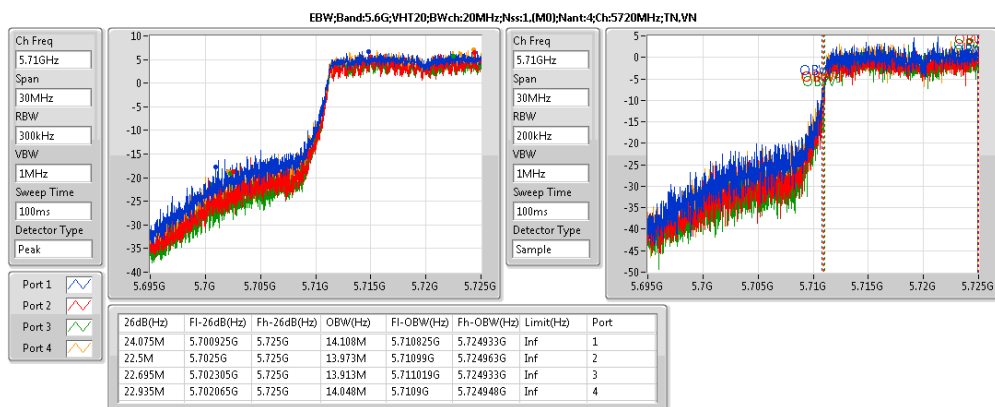
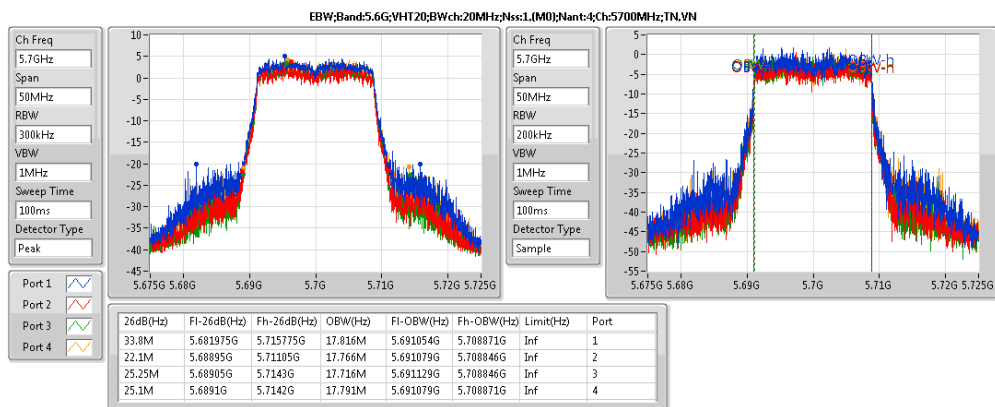
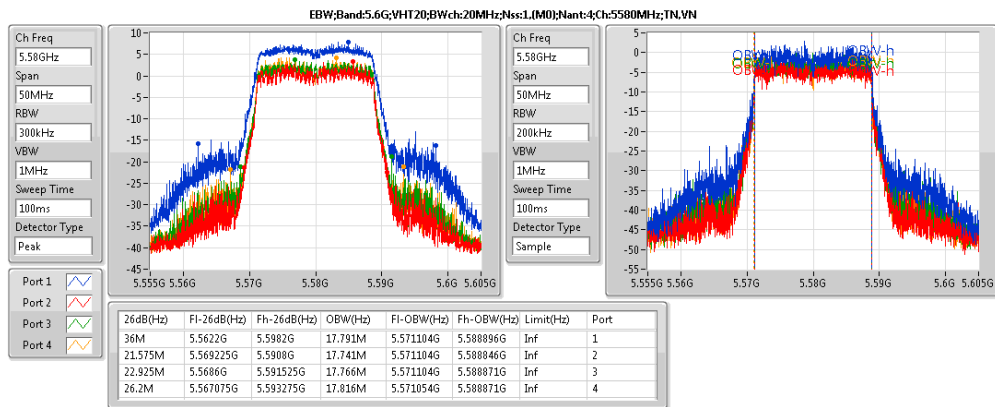
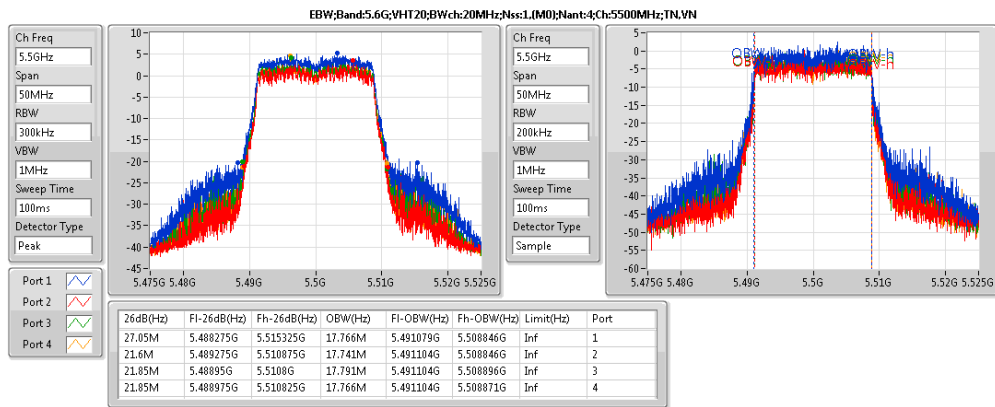
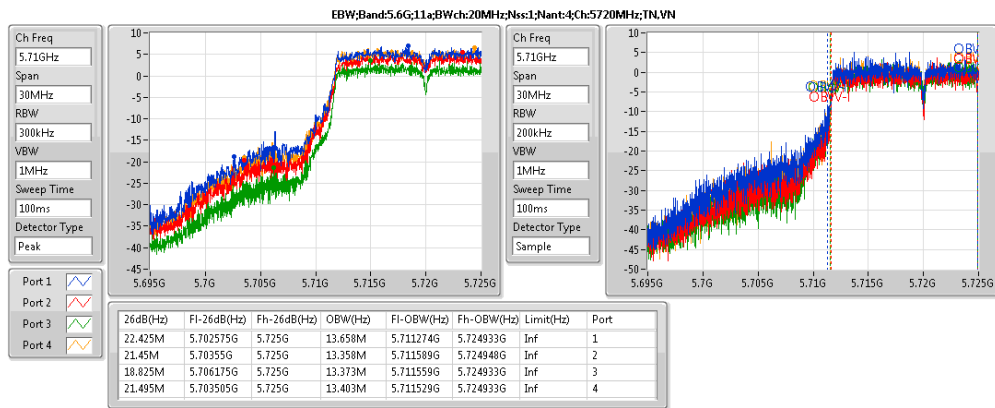
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5.3G;11a;Nss1;Ntx4	30.475M	16.767M	16M8D1D	21.75M	16.592M
5.3G;VHT20;Nss1,(M0);Ntx4	37.575M	17.891M	17M9D1D	28.975M	17.766M
5.3G;VHT40;Nss1,(M0);Ntx4	88.2M	39.23M	39M2D1D	39.7M	36.182M
5.3G;VHT80;Nss1,(M0);Ntx4	94.7M	75.962M	76M0D1D	81.6M	75.662M
5.6G;11a;Nss1;Ntx4	22.425M	16.642M	16M6D1D	18.825M	13.358M
5.6G;VHT20;Nss1,(M0);Ntx4	36M	17.816M	17M8D1D	21.575M	13.913M
5.6G;VHT40;Nss1,(M0);Ntx4	84.75M	48.976M	49M0D1D	39.9M	36.232M
5.6G;VHT80;Nss1,(M0);Ntx4	174.2M	76.862M	76M9D1D	81.6M	72.714M
5.8G;11a;Nss1;Ntx4	3.16M	8.116M	8M12D1D	3.14M	4.718M
5.8G;VHT20;Nss1,(M0);Ntx4	3.78M	8.736M	8M74D1D	3.76M	4.958M
5.8G;VHT40;Nss1,(M0);Ntx4	3.16M	32.704M	32M7D1D	3.14M	27.706M
5.8G;VHT80;Nss1,(M0);Ntx4	3.14M	37.281M	37M3D1D	3.14M	34.443M
5.3G;VHT20,BF;Nss1,(M0);Ntx4	31M	17.841M	17M8D1D	21.75M	17.741M
5.3G;VHT40,BF;Nss1,(M0);Ntx4	63.4M	36.282M	36M3D1D	40.2M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4	86.7M	75.862M	75M9D1D	81.6M	75.862M
5.6G;VHT20,BF;Nss1,(M0);Ntx4	37M	17.816M	17M8D1D	19.485M	13.928M
5.6G;VHT40,BF;Nss1,(M0);Ntx4	65.9M	36.332M	36M3D1D	39.6M	33.058M
5.6G;VHT80,BF;Nss1,(M0);Ntx4	115.05M	75.962M	76M0D1D	80.9M	72.564M
5.8G;VHT20,BF;Nss1,(M0);Ntx4	3.78M	8.716M	8M72D1D	3.76M	4.878M
5.8G;VHT40,BF;Nss1,(M0);Ntx4	3.16M	22.809M	22M8D1D	3.12M	16.532M
5.8G;VHT80,BF;Nss1,(M0);Ntx4	3.14M	35.222M	35M2D1D	3.12M	30.205M

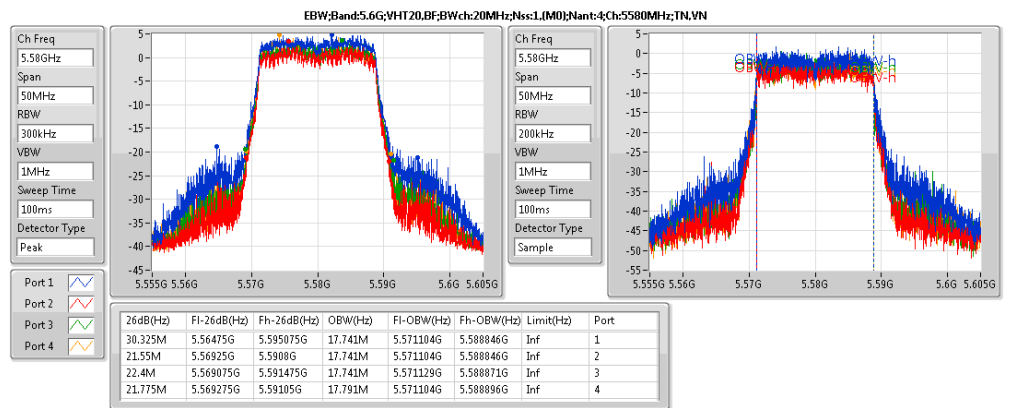
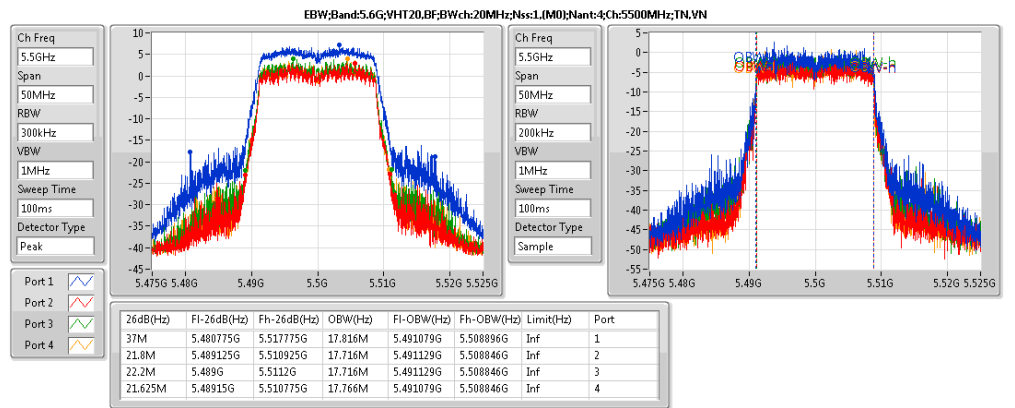
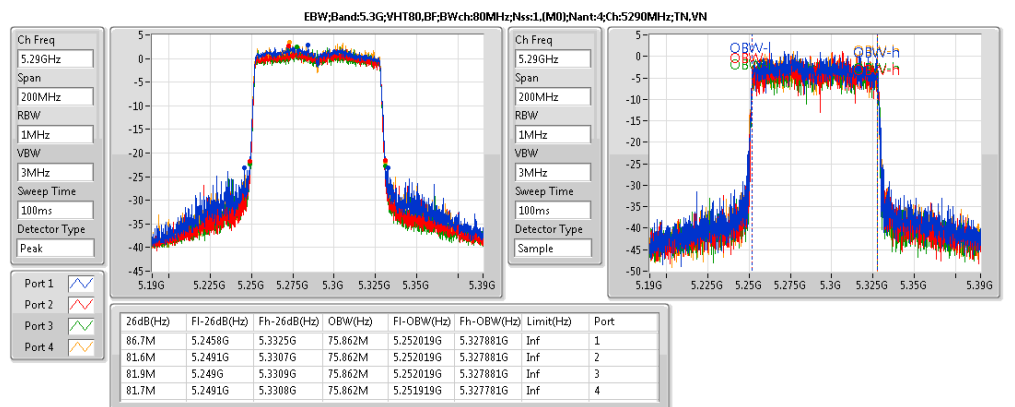
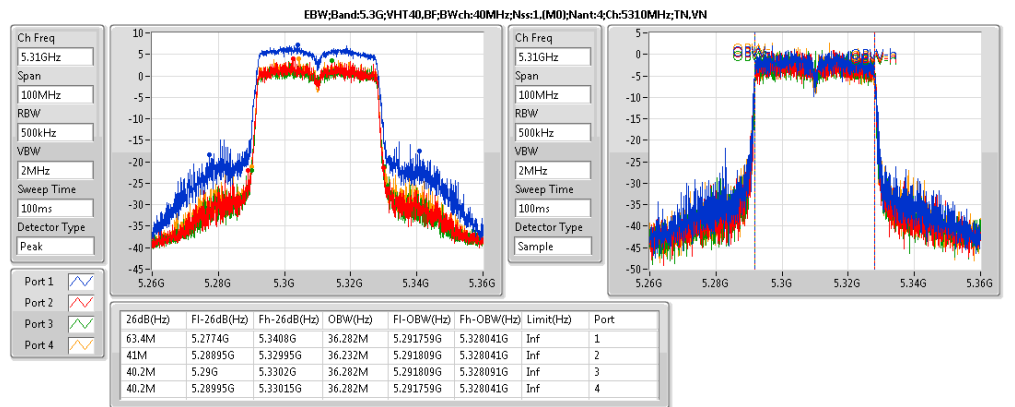
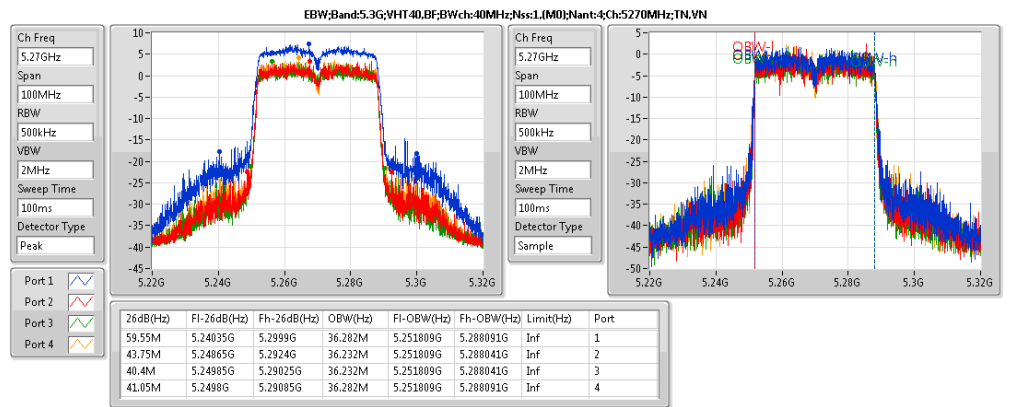
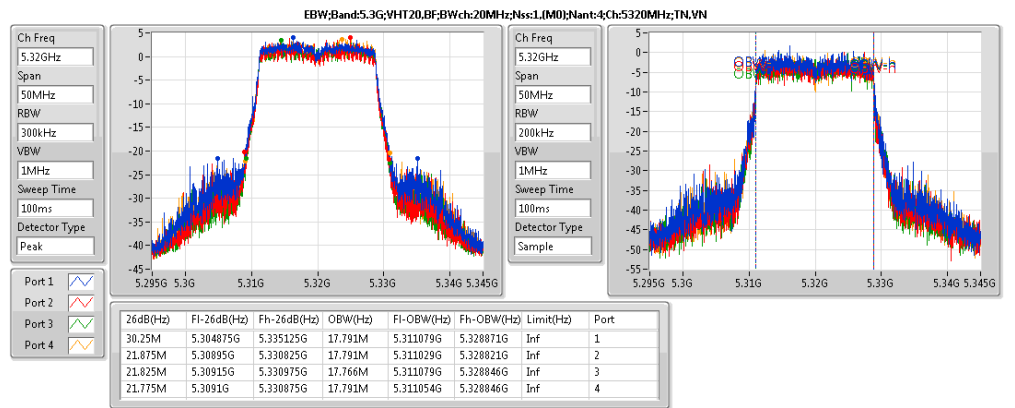
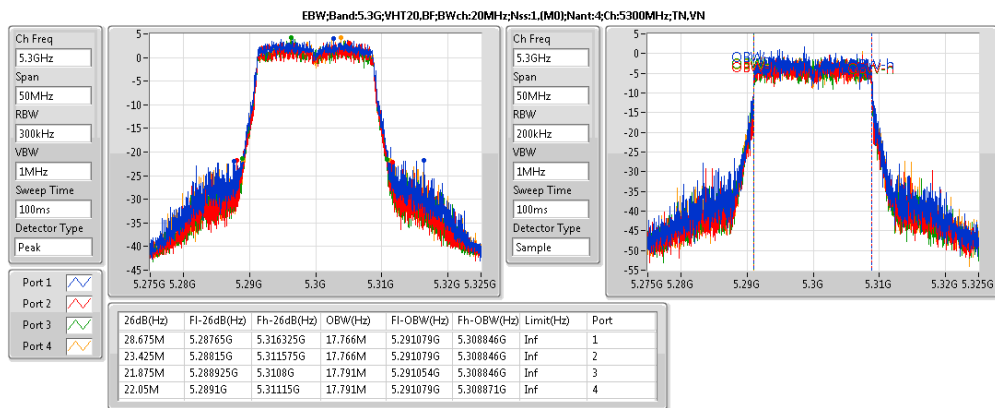
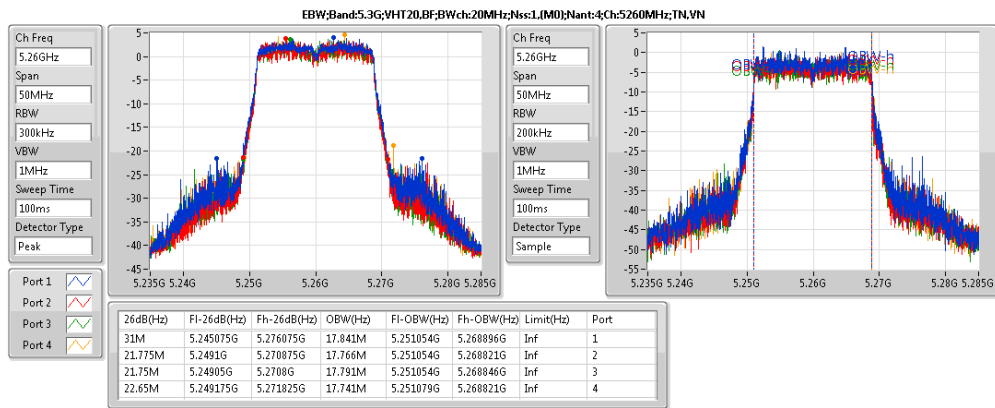
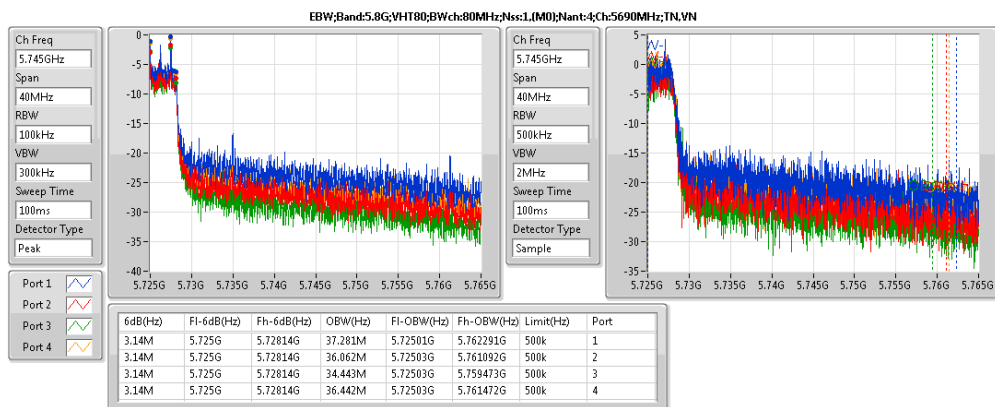
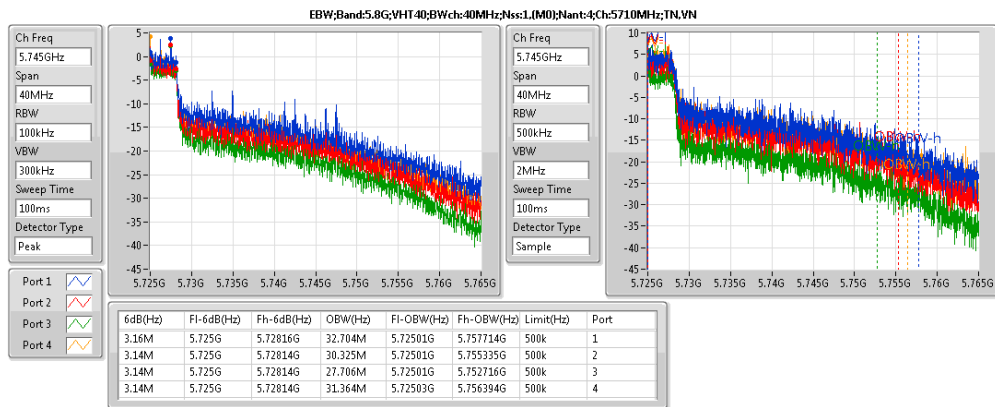
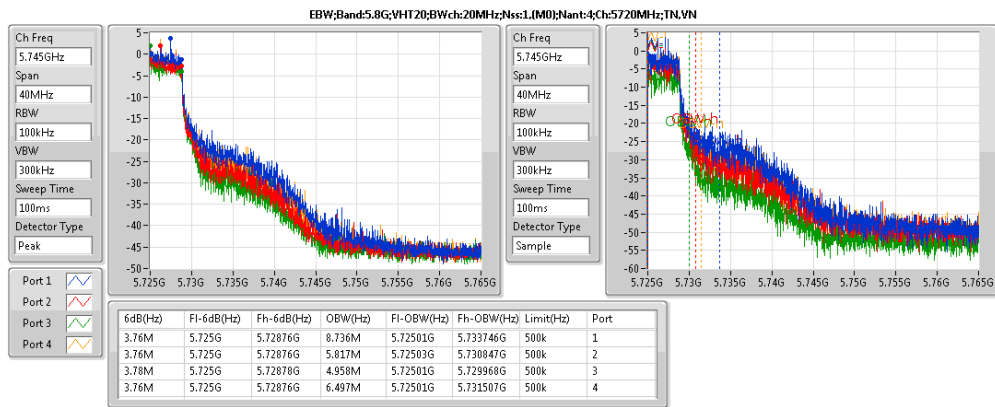
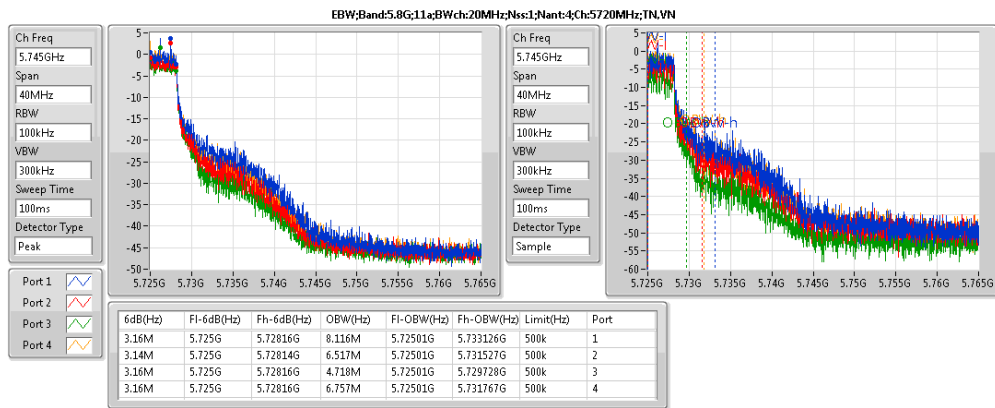


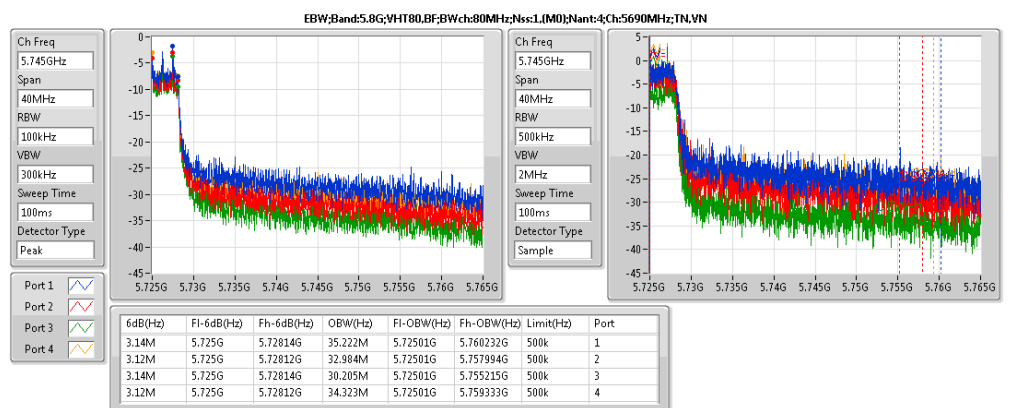
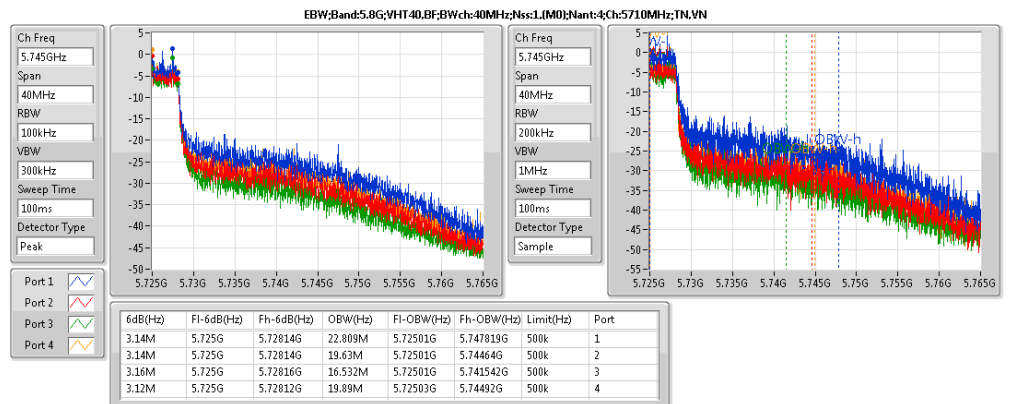
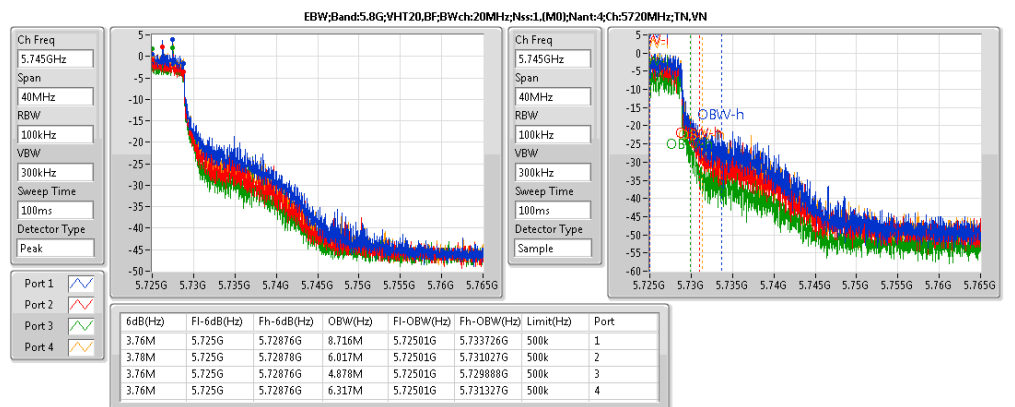
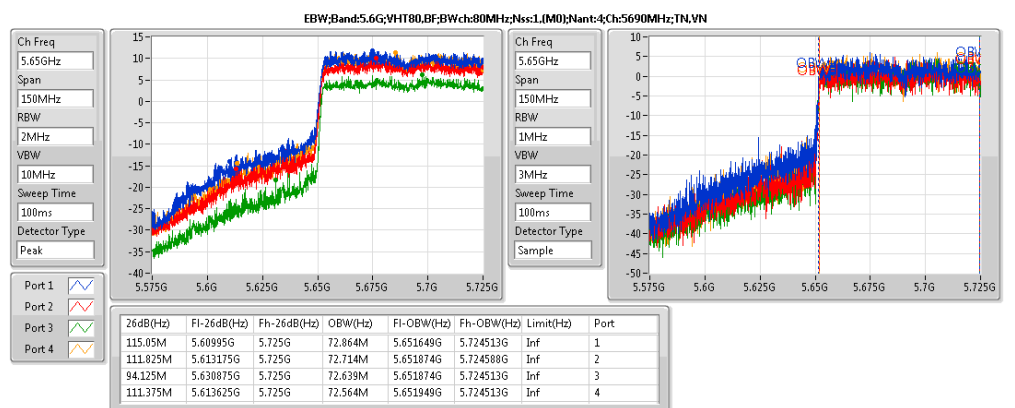
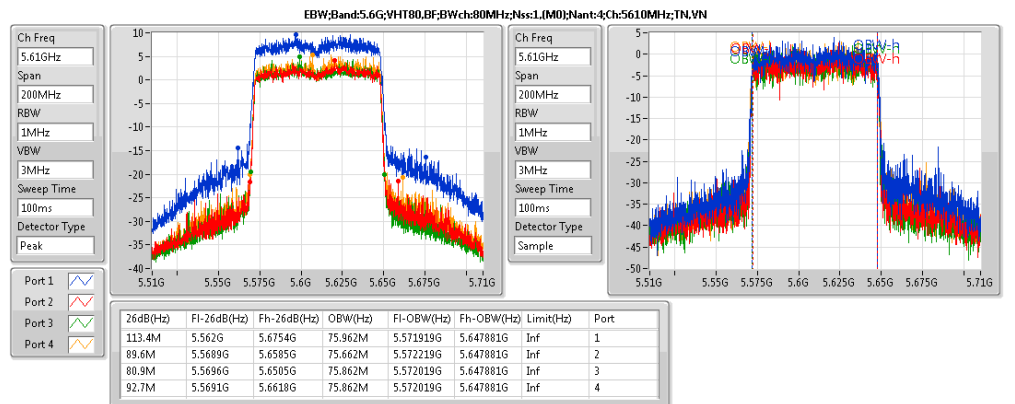
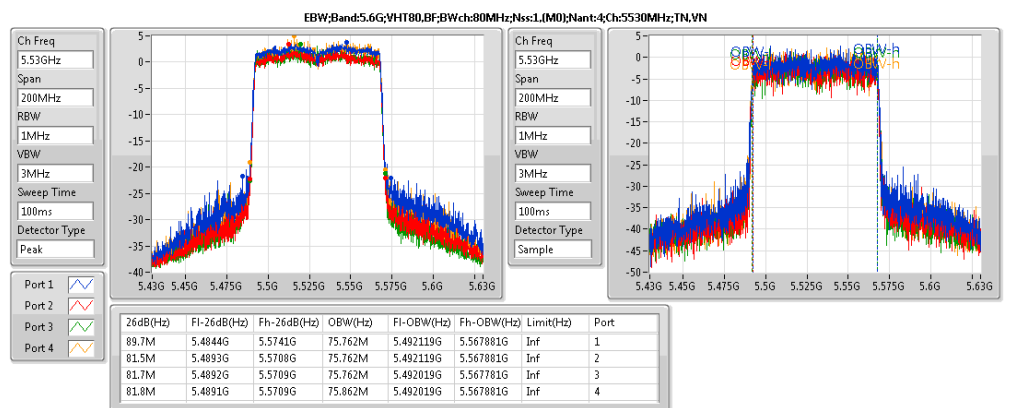
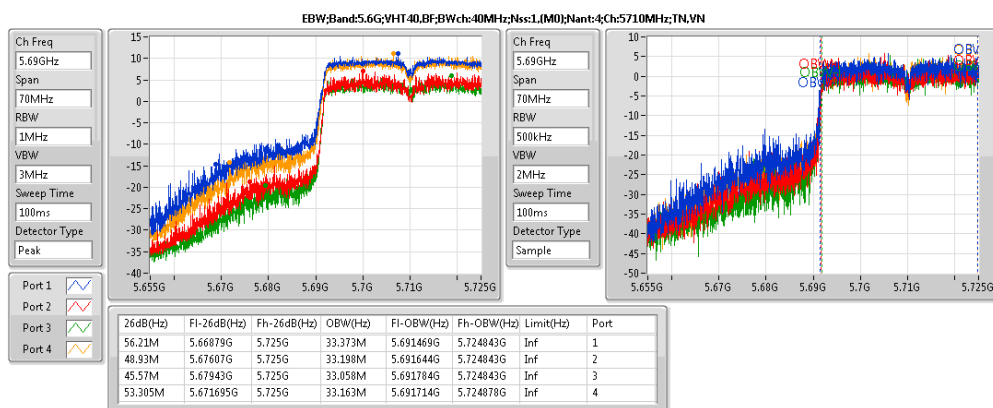
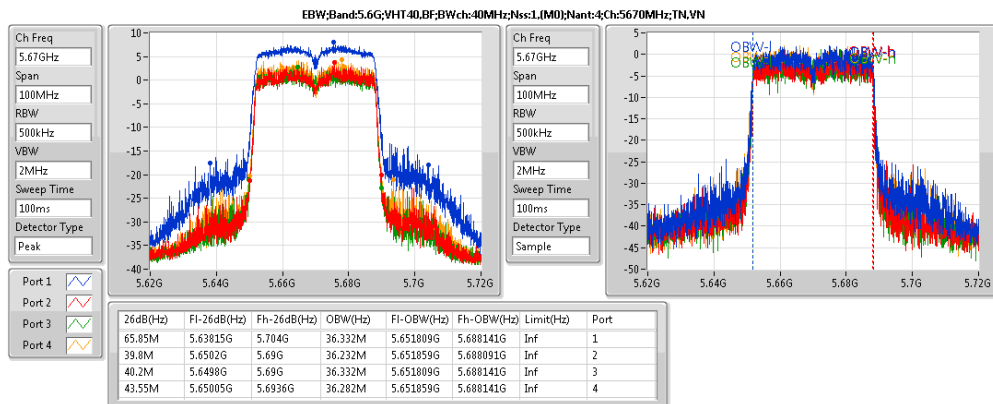
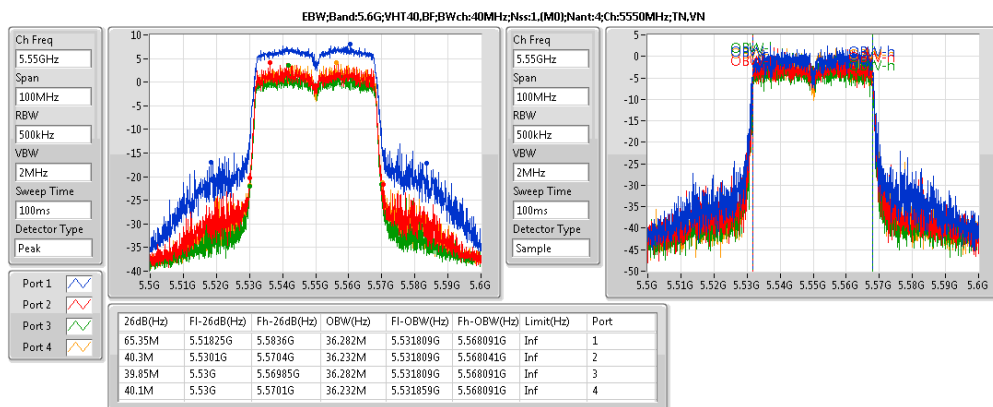
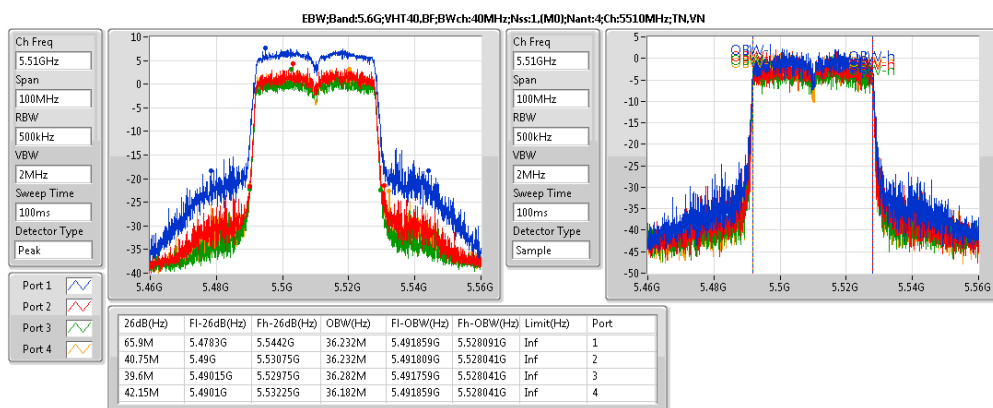
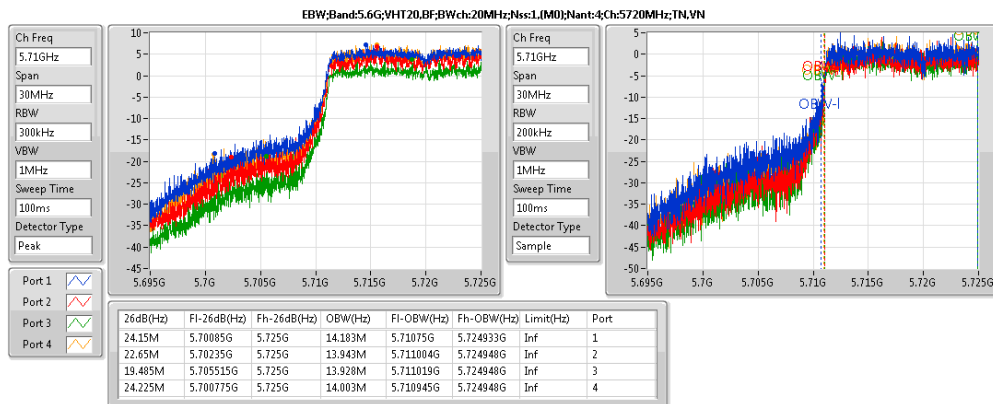
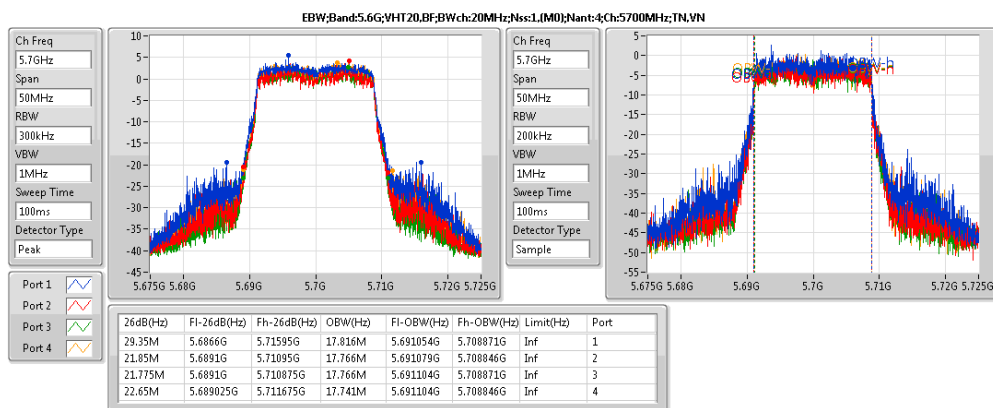
Result

Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)	P3-N dB (Hz)	P3-OBW (Hz)	P4-N dB (Hz)	P4-OBW (Hz)
5.3G;11a;Nss1;Ntx4;5260	Pass	Inf	26.025M	16.667M	25.05M	16.592M	21.75M	16.592M	25.05M	16.667M
5.3G;11a;Nss1;Ntx4;5300	Pass	Inf	28.2M	16.717M	21.85M	16.642M	21.925M	16.667M	24.85M	16.592M
5.3G;11a;Nss1;Ntx4;5320	Pass	Inf	30.475M	16.767M	24.55M	16.617M	21.875M	16.642M	24.9M	16.667M
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	Inf	35.95M	17.816M	36.3M	17.766M	33.95M	17.766M	30.5M	17.791M
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	Inf	37.25M	17.866M	28.975M	17.791M	30.075M	17.766M	32.475M	17.841M
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	Inf	37.575M	17.891M	35.875M	17.766M	29.05M	17.841M	32.15M	17.791M
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	Inf	88.2M	39.23M	84.7M	36.932M	84.1M	36.782M	86.15M	37.331M
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	Inf	63.2M	36.332M	39.7M	36.182M	40.55M	36.332M	41.7M	36.332M
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	Inf	93.4M	75.762M	91.4M	75.962M	81.6M	75.662M	94.7M	75.762M
5.6G;11a;Nss1;Ntx4;5500	Pass	Inf	21.85M	16.642M	21.45M	16.617M	21.525M	16.617M	21.525M	16.567M
5.6G;11a;Nss1;Ntx4;5580	Pass	Inf	22.1M	16.617M	21.75M	16.567M	21.55M	16.617M	21.625M	16.542M
5.6G;11a;Nss1;Ntx4;5700	Pass	Inf	21.925M	16.567M	21.6M	16.592M	21.5M	16.542M	21.75M	16.567M
5.6G;11a;Nss1;Ntx4;5720	Pass	Inf	22.425M	13.658M	21.45M	13.358M	18.825M	13.373M	21.495M	13.403M
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	Inf	27.05M	17.766M	21.6M	17.741M	21.85M	17.791M	21.85M	17.766M
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	Inf	36M	17.791M	21.575M	17.741M	22.925M	17.766M	26.2M	17.816M
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	Inf	33.8M	17.816M	22.1M	17.766M	25.25M	17.716M	25.1M	17.791M
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	Inf	24.075M	14.108M	22.5M	13.973M	22.695M	13.913M	22.935M	14.048M
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	Inf	59.65M	36.232M	39.9M	36.282M	40.2M	36.332M	40.1M	36.332M
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	Inf	84.75M	36.682M	79.5M	36.432M	66.5M	36.382M	66.55M	36.332M
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	Inf	81.55M	36.682M	76.4M	36.432M	74.7M	36.432M	73.7M	36.482M
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	Inf	67.375M	48.976M	64.89M	44.323M	60.655M	38.061M	64.505M	44.708M
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	Inf	89.4M	75.862M	81.6M	75.862M	82.2M	75.762M	81.6M	75.862M
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	Inf	174.2M	76.862M	156.7M	76.262M	137.7M	76.162M	156.4M	76.462M
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	Inf	123.3M	73.838M	124.5M	73.013M	108.975M	72.714M	115.725M	72.864M
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	3.16M	8.116M	3.14M	6.517M	3.16M	4.718M	3.16M	6.757M
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	3.76M	8.736M	3.76M	5.817M	3.78M	4.958M	3.76M	6.497M
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	3.16M	32.704M	3.14M	30.325M	3.14M	27.706M	3.14M	31.364M
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	3.14M	37.281M	3.14M	36.062M	3.14M	34.443M	3.14M	36.442M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	Inf	31M	17.841M	21.775M	17.766M	21.75M	17.791M	22.65M	17.741M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	Inf	28.675M	17.766M	23.425M	17.766M	21.875M	17.791M	22.05M	17.791M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	Inf	30.25M	17.791M	21.875M	17.791M	21.825M	17.766M	21.775M	17.791M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	Inf	59.55M	36.282M	43.75M	36.232M	40.4M	36.232M	41.05M	36.282M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	Inf	63.4M	36.282M	41M	36.232M	40.2M	36.282M	40.2M	36.282M
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	Inf	86.7M	75.862M	81.6M	75.862M	81.9M	75.862M	81.7M	75.862M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	Inf	37M	17.816M	21.8M	17.716M	22.2M	17.716M	21.625M	17.766M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	Inf	30.325M	17.741M	21.55M	17.741M	22.4M	17.741M	21.775M	17.791M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	Inf	29.35M	17.816M	21.85M	17.766M	21.775M	17.766M	22.65M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	Inf	24.15M	14.183M	22.65M	13.943M	19.485M	13.928M	24.225M	14.003M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	Inf	65.9M	36.232M	40.75M	36.232M	39.6M	36.282M	42.15M	36.182M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	Inf	65.35M	36.282M	40.3M	36.232M	39.85M	36.282M	40.1M	36.232M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	Inf	65.85M	36.332M	39.8M	36.232M	40.2M	36.332M	43.55M	36.282M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	Inf	56.21M	33.373M	48.93M	33.198M	45.57M	33.058M	53.305M	33.163M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	Inf	89.7M	75.762M	81.5M	75.762M	81.7M	75.762M	81.8M	75.862M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	Inf	113.4M	75.962M	89.6M	75.662M	80.9M	75.862M	92.7M	75.862M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	Inf	115.05M	72.864M	111.825M	72.714M	94.125M	72.639M	111.375M	72.564M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	3.76M	8.716M	3.78M	6.017M	3.76M	4.878M	3.76M	6.317M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	3.14M	22.809M	3.14M	19.63M	3.16M	16.532M	3.12M	19.89M
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	3.14M	35.222M	3.12M	32.984M	3.14M	30.205M	3.12M	34.323M











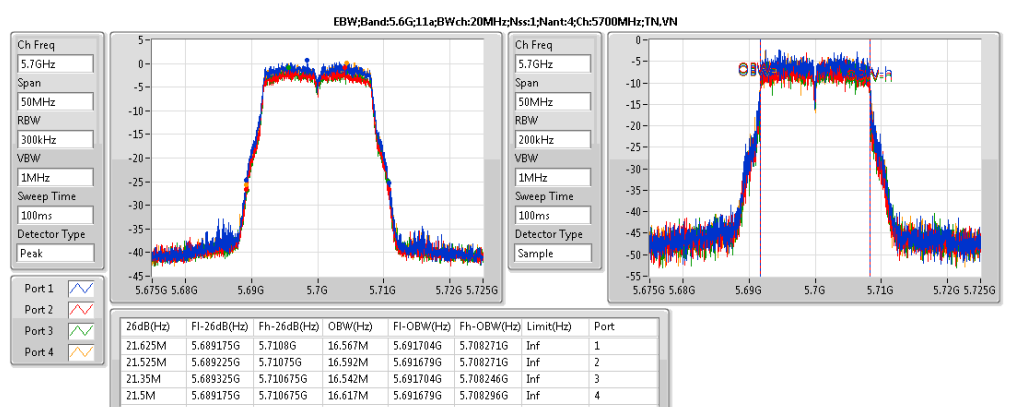
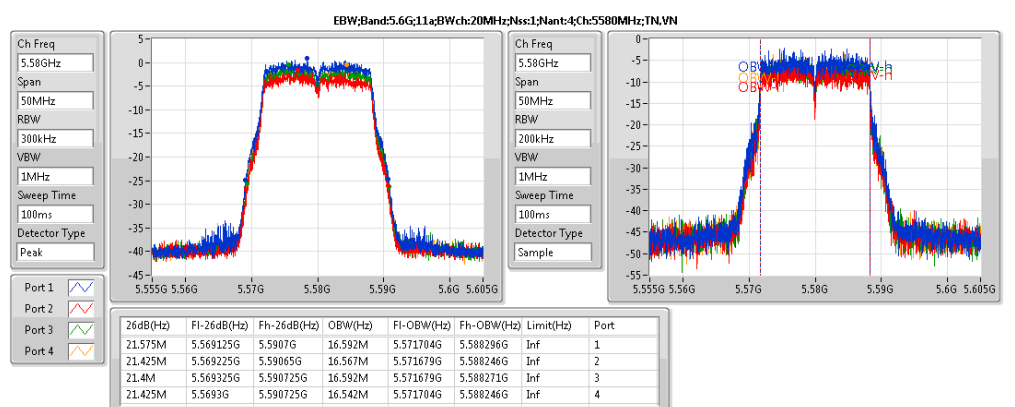
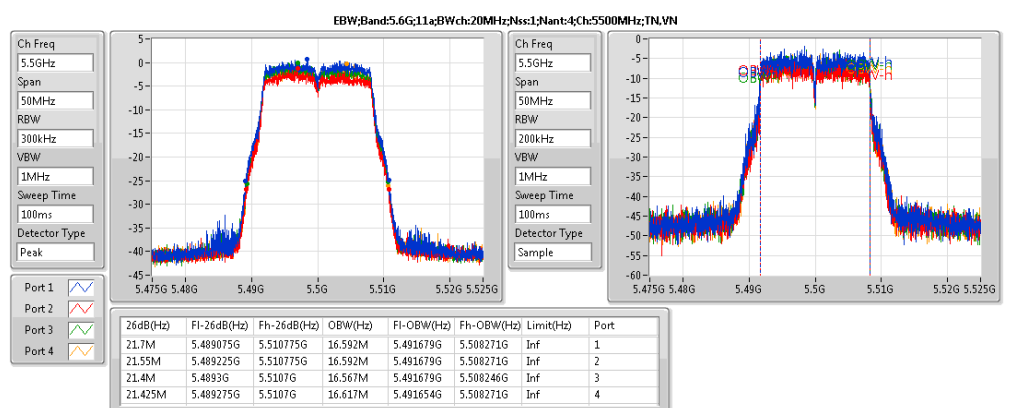
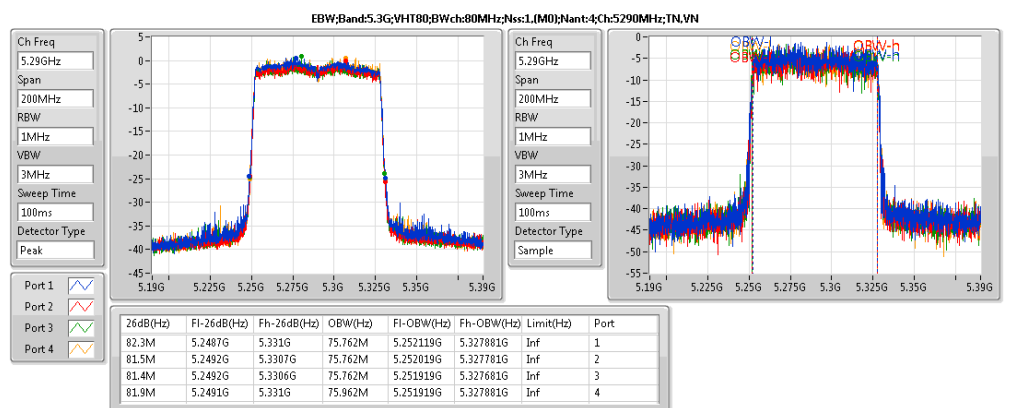
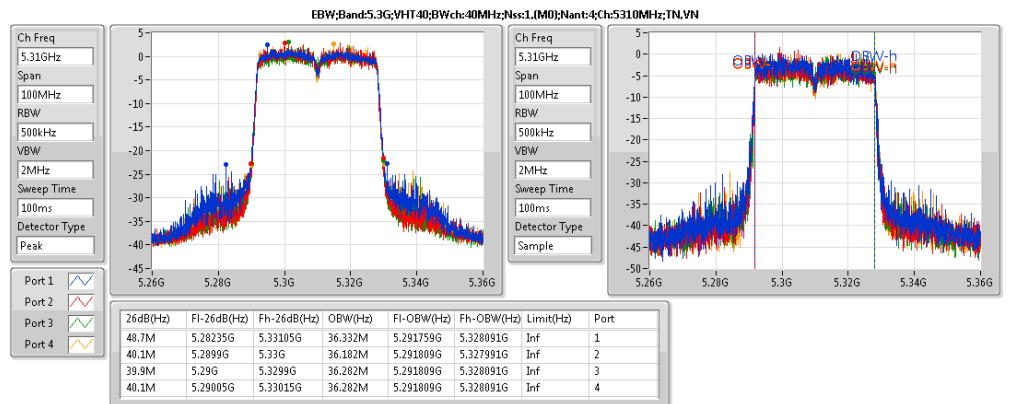
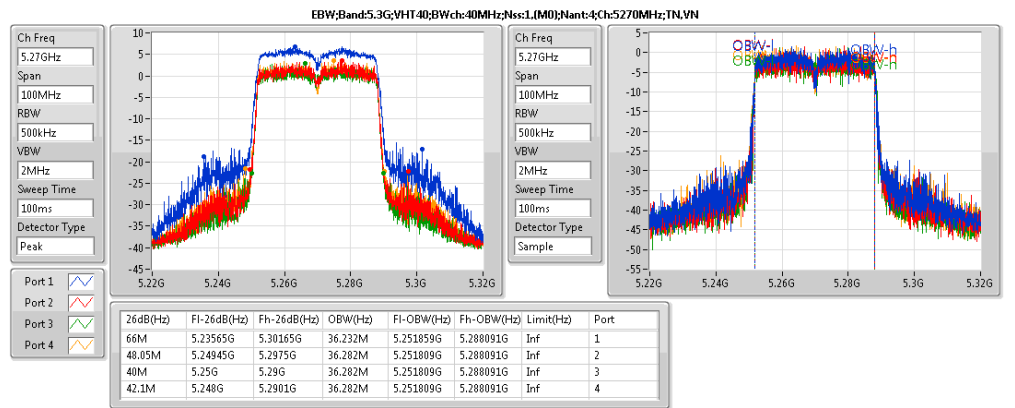
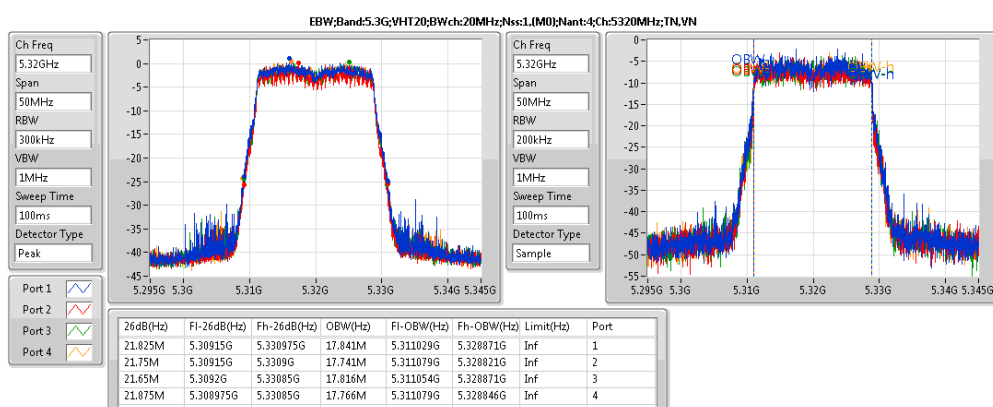
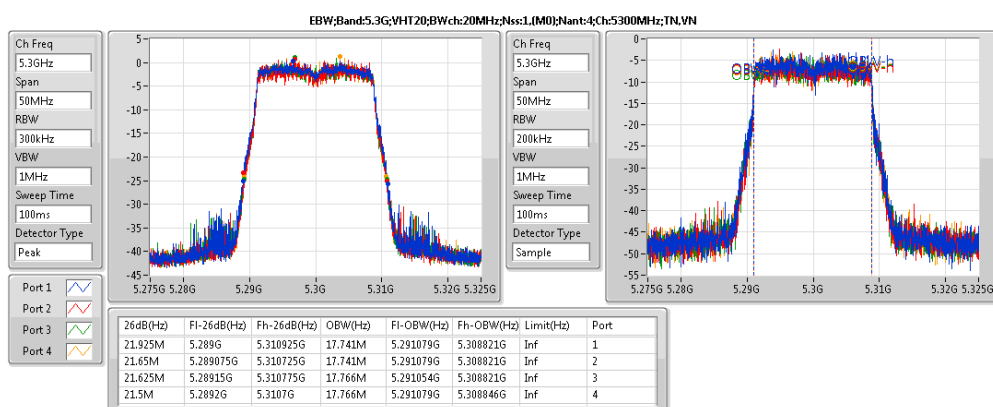
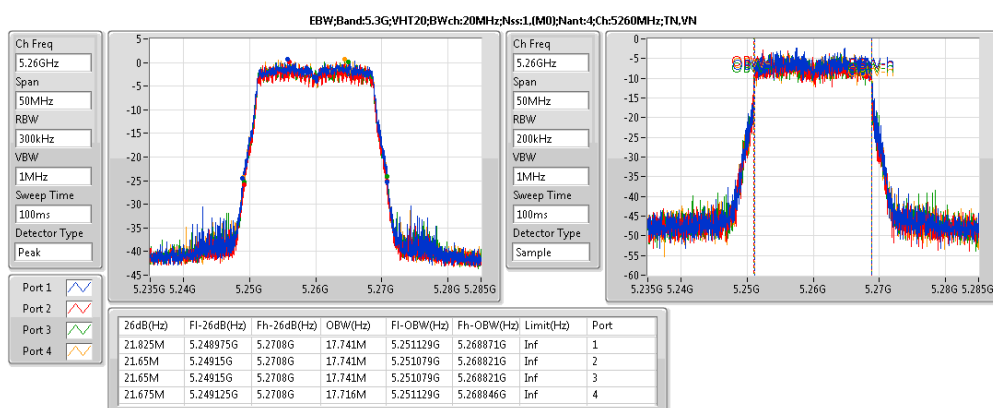
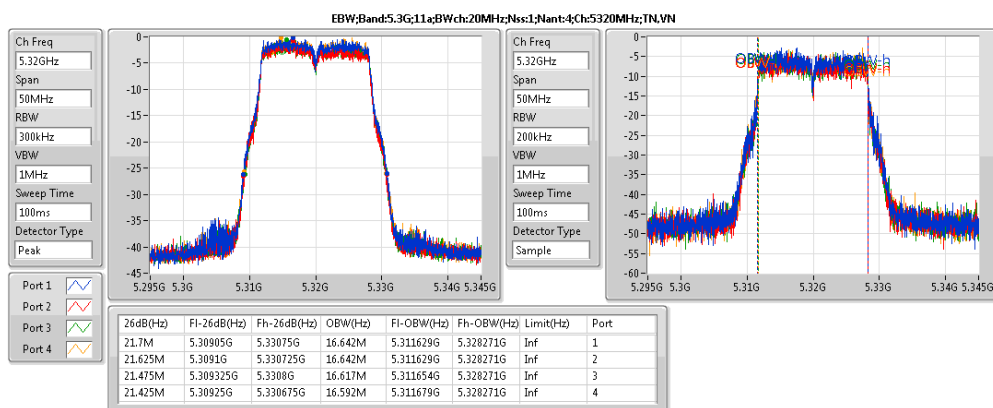
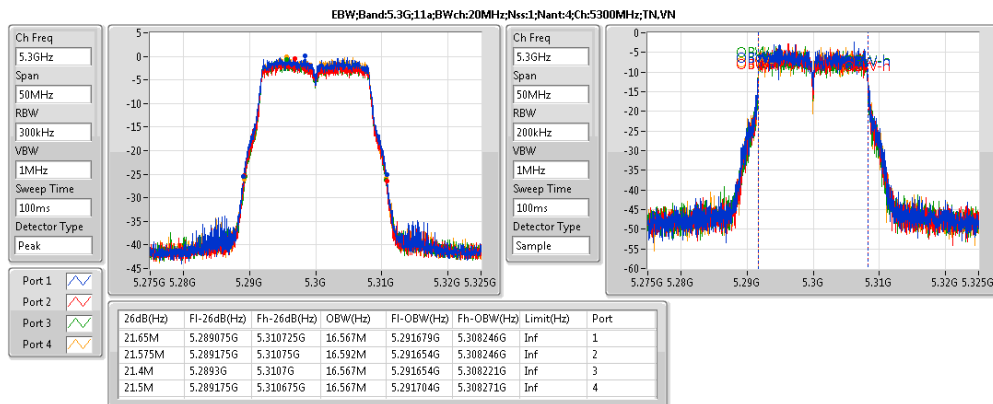
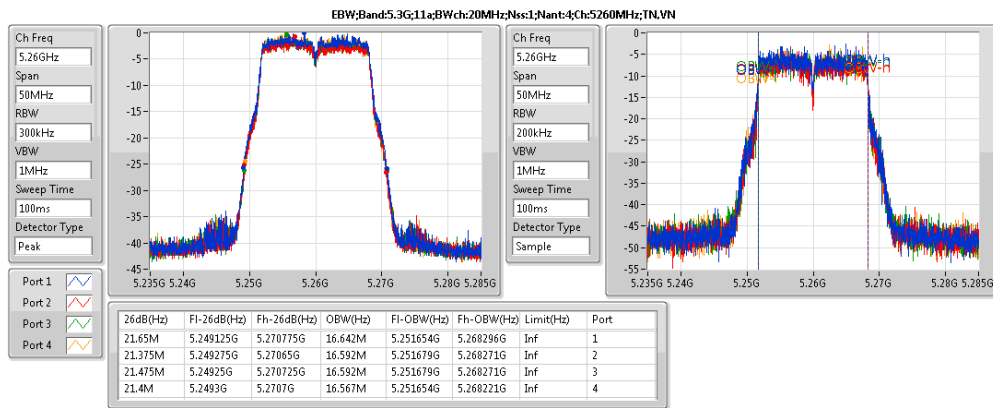
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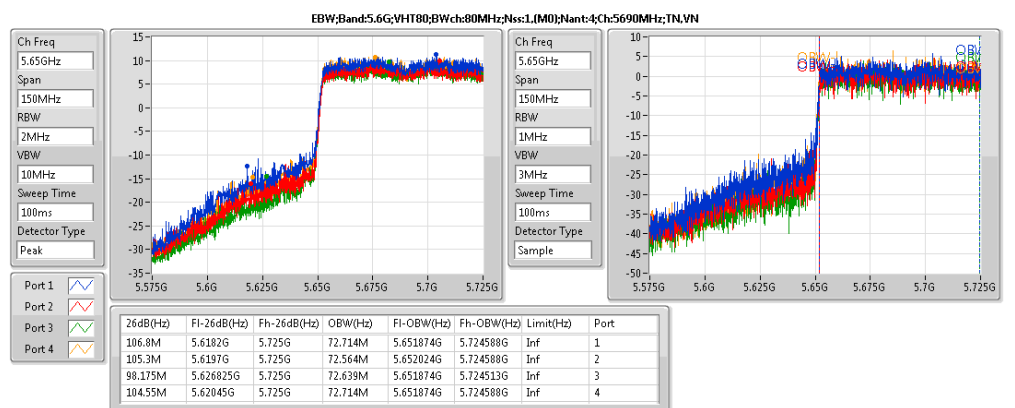
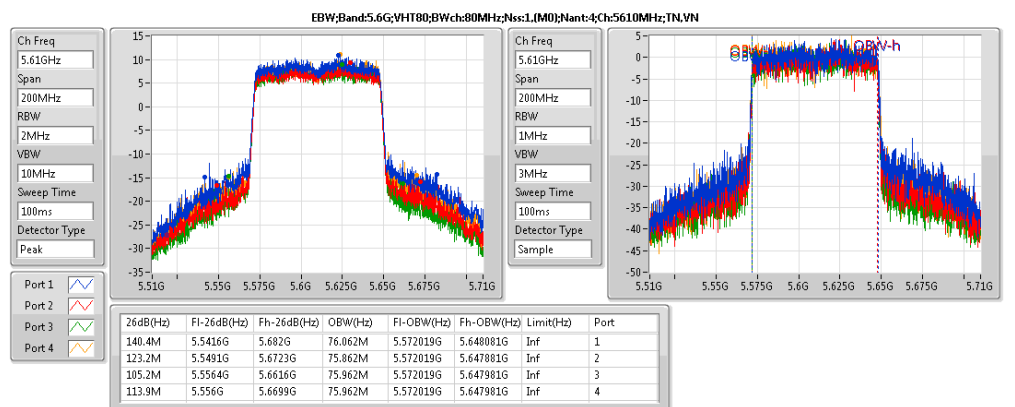
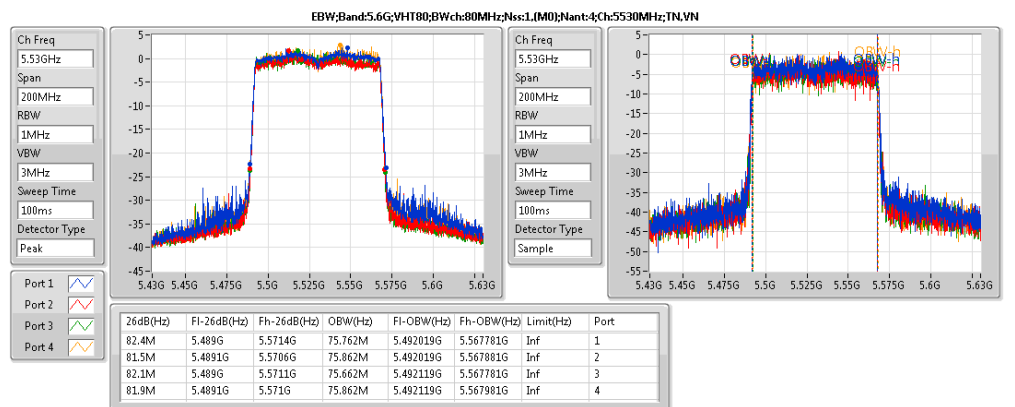
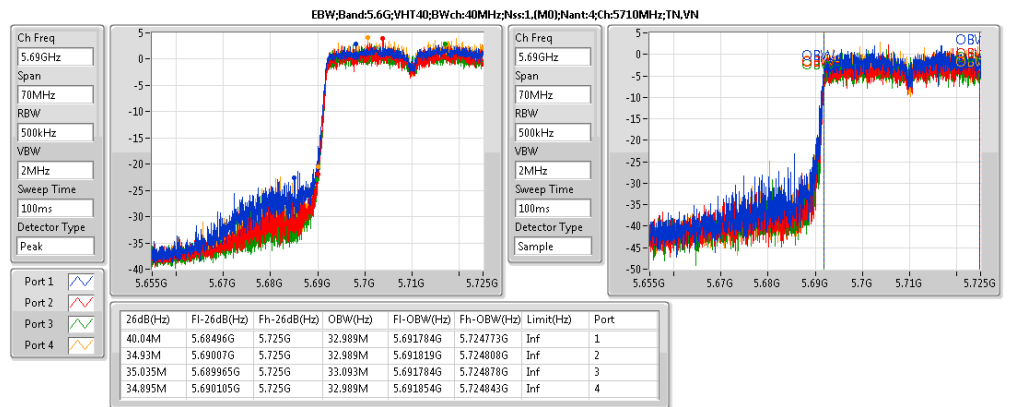
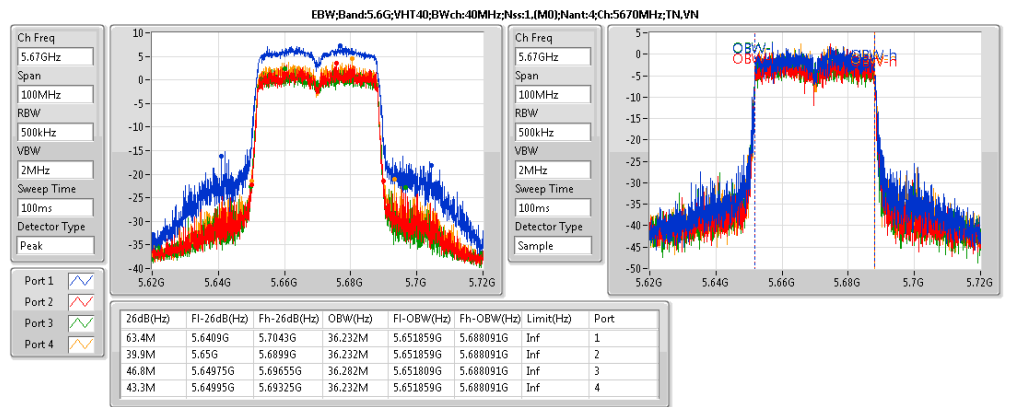
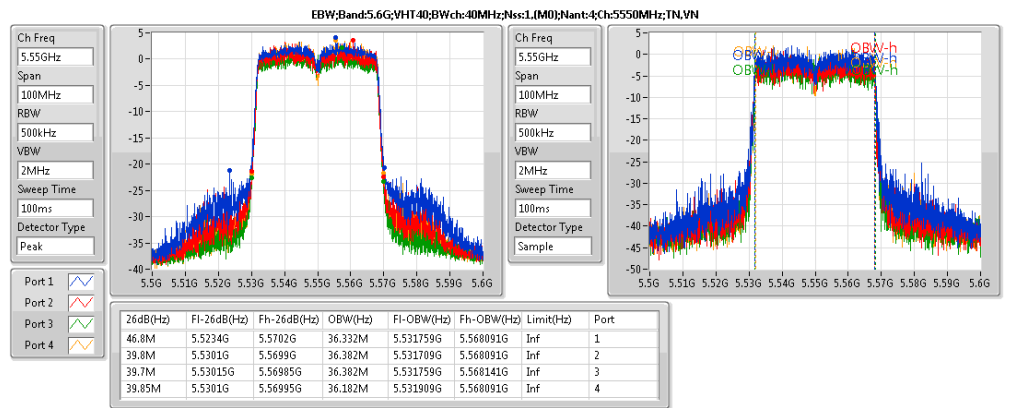
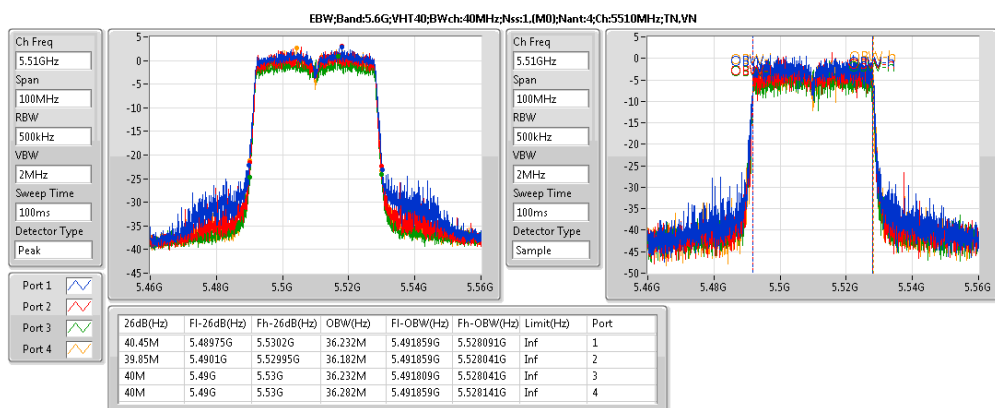
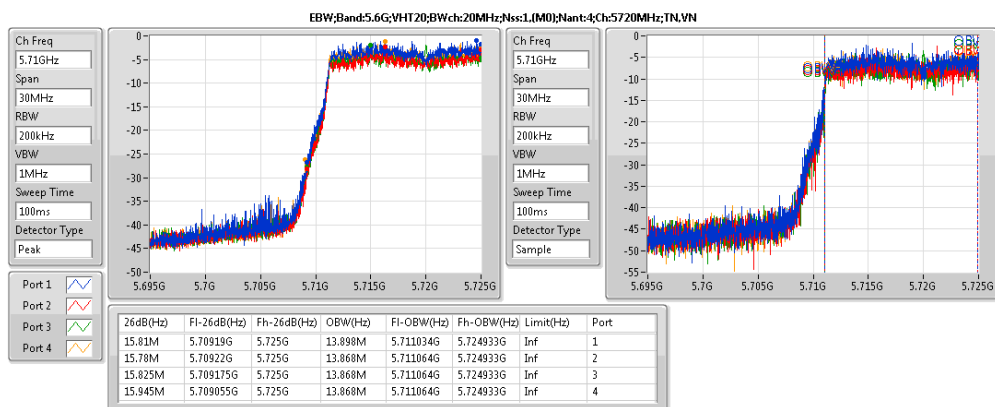
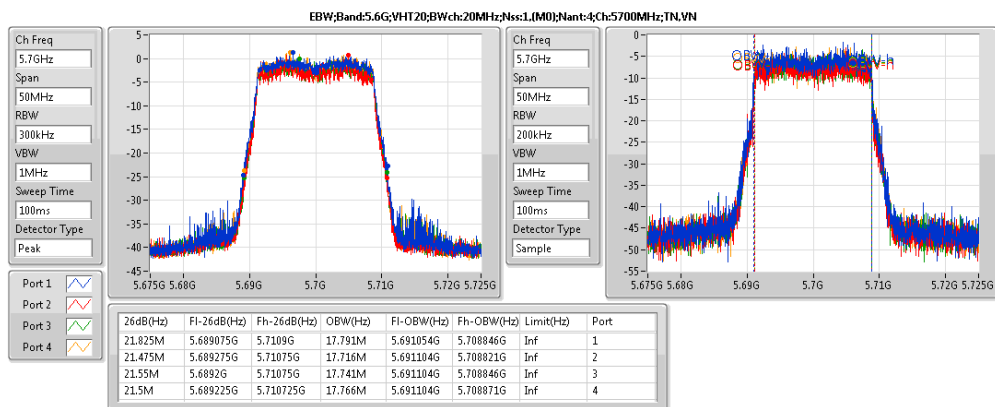
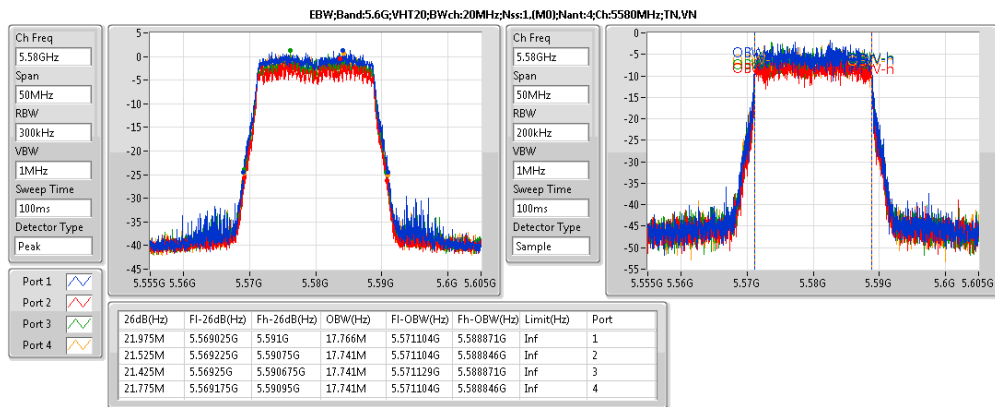
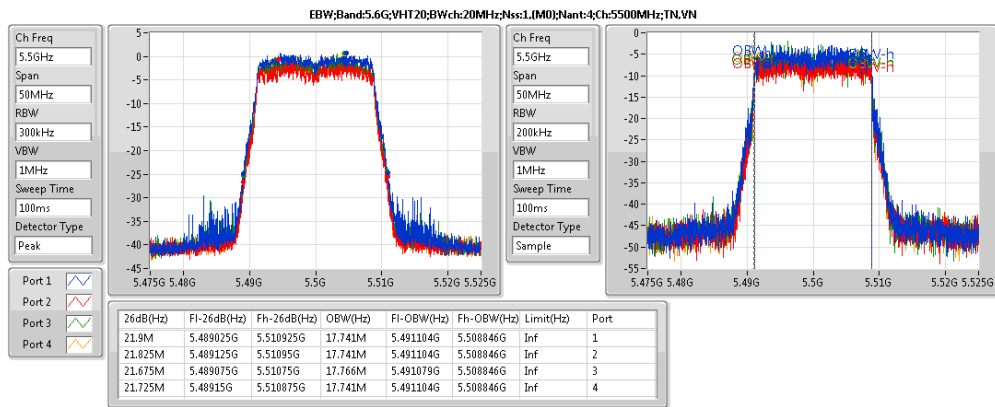
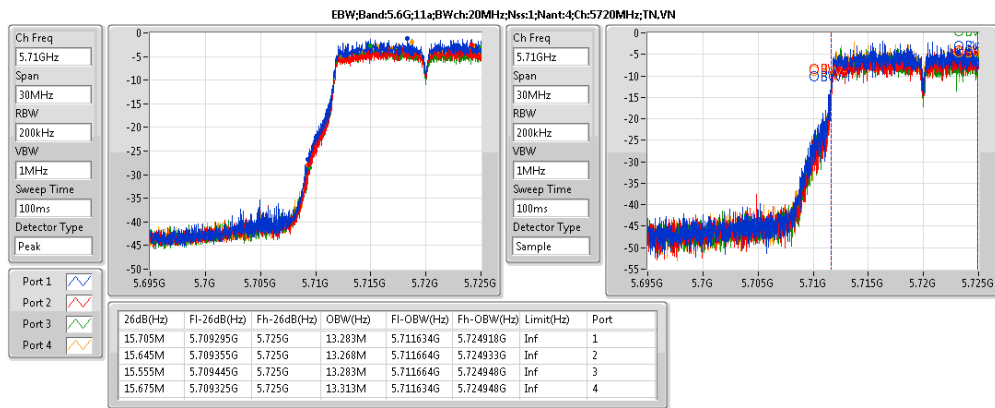
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5.3G;11a;Nss1;Ntx4	21.7M	16.642M	16M6D1D	21.375M	16.567M
5.3G;VHT20;Nss1,(M0);Ntx4	21.925M	17.841M	17M8D1D	21.5M	17.716M
5.3G;VHT40;Nss1,(M0);Ntx4	66M	36.332M	36M3D1D	39.9M	36.182M
5.3G;VHT80;Nss1,(M0);Ntx4	82.3M	75.962M	76M0D1D	81.4M	75.762M
5.6G;11a;Nss1;Ntx4	21.7M	16.617M	16M6D1D	15.555M	13.268M
5.6G;VHT20;Nss1,(M0);Ntx4	21.975M	17.791M	17M8D1D	15.78M	13.868M
5.6G;VHT40;Nss1,(M0);Ntx4	63.4M	36.382M	36M4D1D	34.895M	32.989M
5.6G;VHT80;Nss1,(M0);Ntx4	140.4M	76.062M	76M1D1D	81.5M	72.564M
5.8G;11a;Nss1;Ntx4	3.16M	4.218M	4M22D1D	3.14M	3.938M
5.8G;VHT20;Nss1,(M0);Ntx4	3.78M	4.358M	4M36D1D	3.76M	4.278M
5.8G;VHT40;Nss1,(M0);Ntx4	3.16M	4.398M	4M40D1D	3.14M	3.798M
5.8G;VHT80;Nss1,(M0);Ntx4	3.16M	34.443M	34M4D1D	2.92M	28.546M
5.3G;VHT20,BF;Nss1,(M0);Ntx4	21.95M	17.766M	17M8D1D	21.55M	17.741M
5.3G;VHT40,BF;Nss1,(M0);Ntx4	40.5M	36.282M	36M3D1D	39.75M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4	81.9M	75.962M	76M0D1D	81.3M	75.762M
5.6G;VHT20,BF;Nss1,(M0);Ntx4	21.95M	17.791M	17M8D1D	15.645M	13.868M
5.6G;VHT40,BF;Nss1,(M0);Ntx4	40.3M	36.332M	36M3D1D	34.86M	32.954M
5.6G;VHT80,BF;Nss1,(M0);Ntx4	83M	75.962M	76M0D1D	75.6M	72.489M
5.8G;VHT20,BF;Nss1,(M0);Ntx4	3.78M	4.378M	4M38D1D	3.76M	4.338M
5.8G;VHT40,BF;Nss1,(M0);Ntx4	3.16M	3.938M	3M94D1D	3.12M	3.698M
5.8G;VHT80,BF;Nss1,(M0);Ntx4	3.14M	17.271M	17M3D1D	3.1M	7.616M

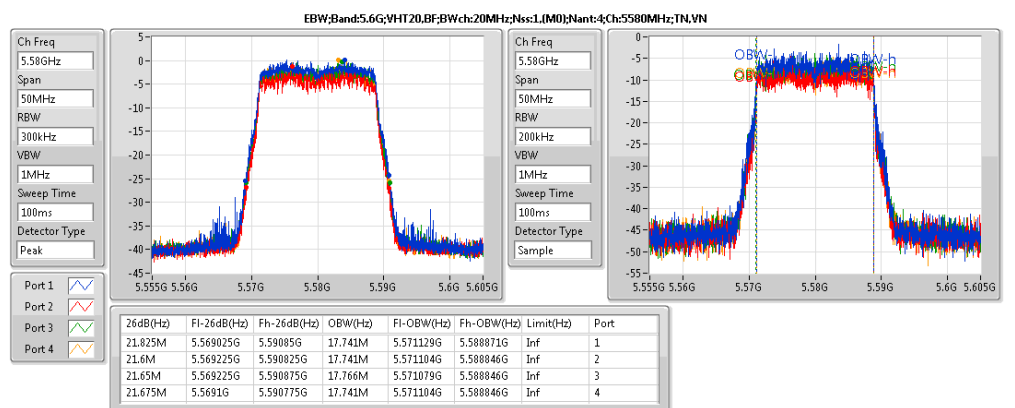
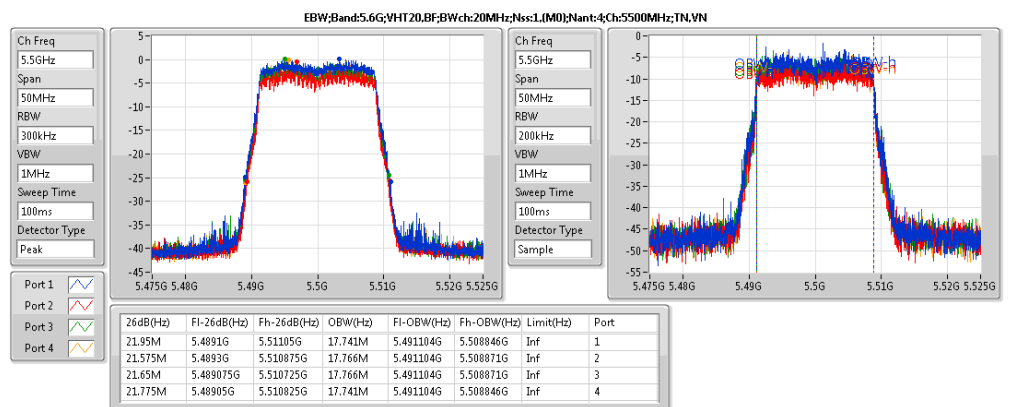
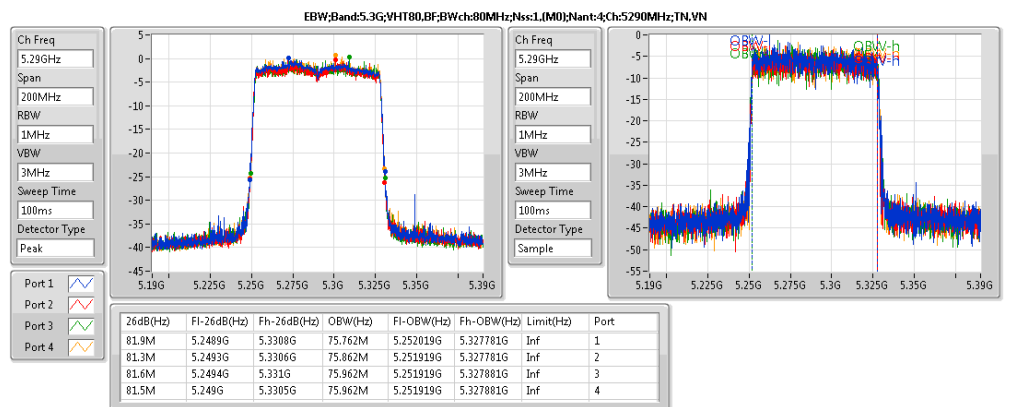
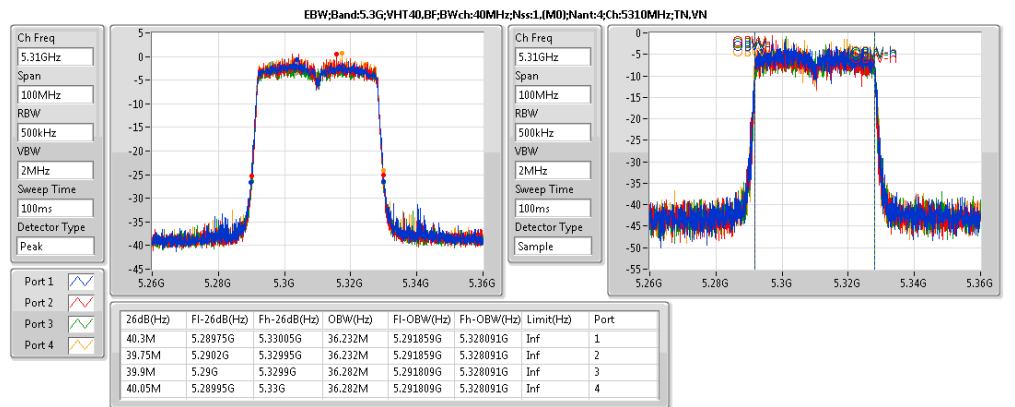
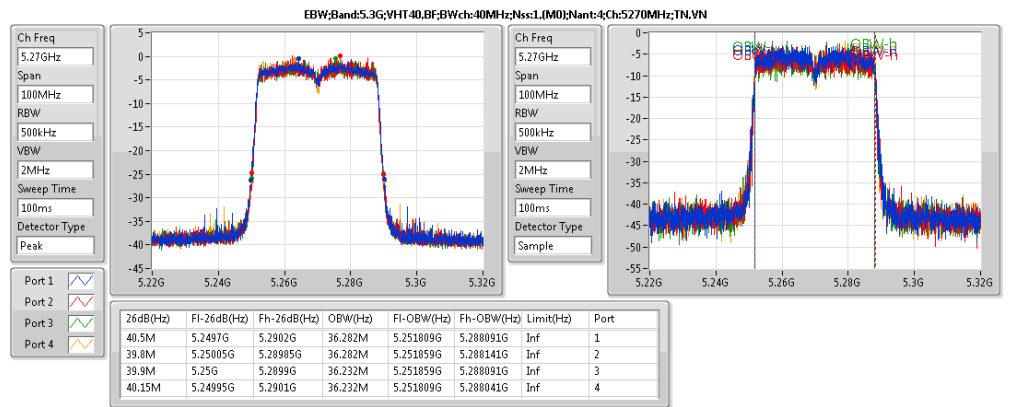
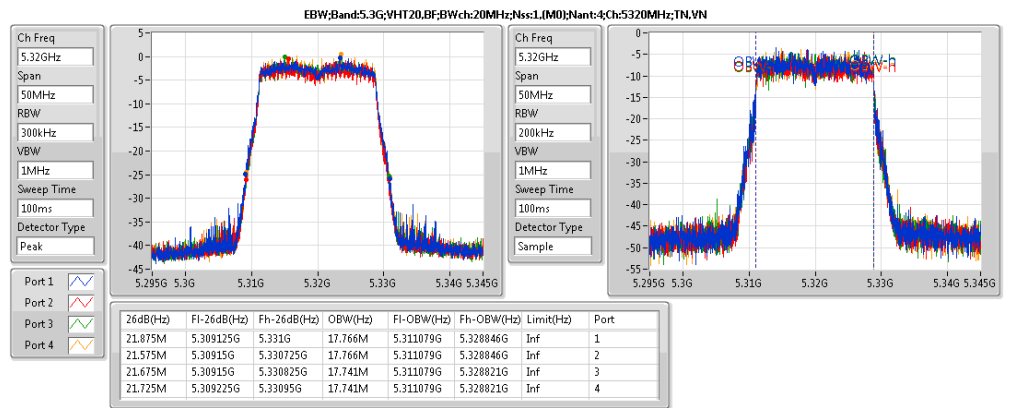
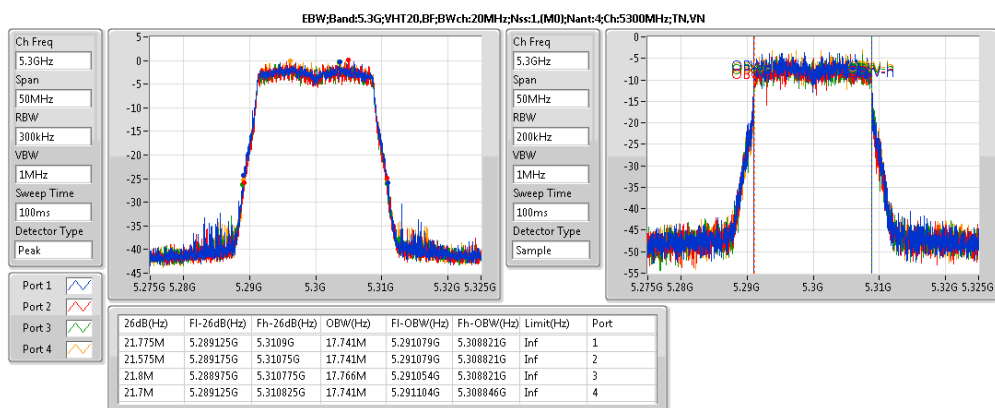
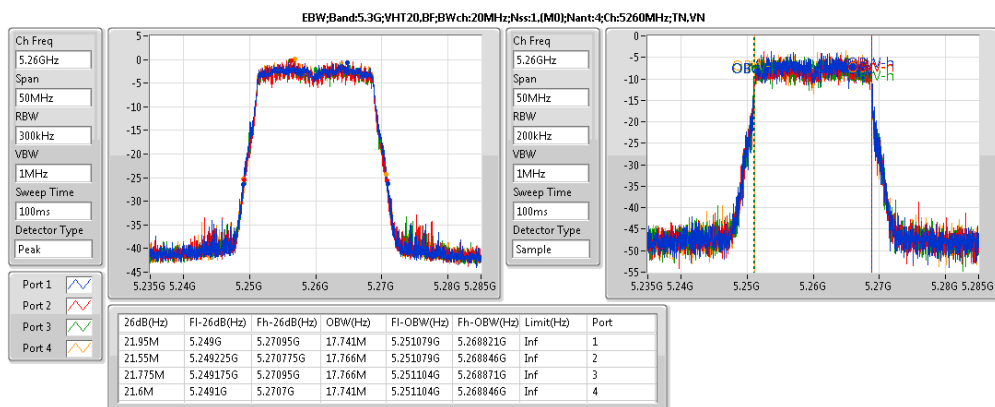
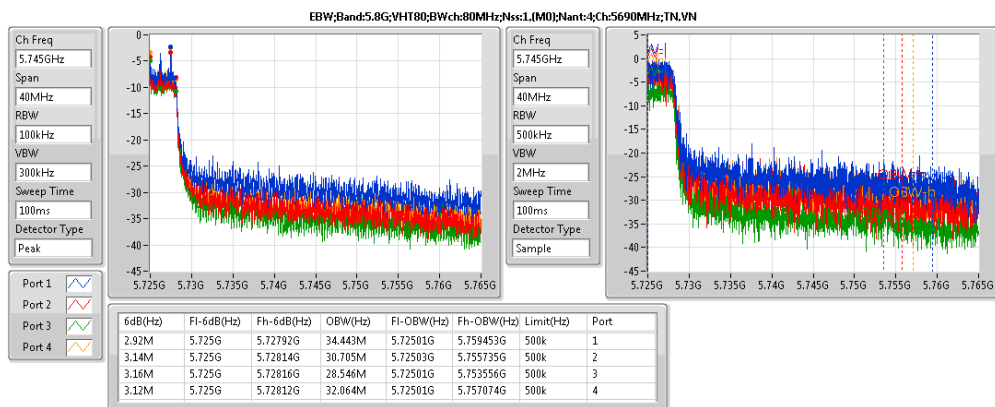
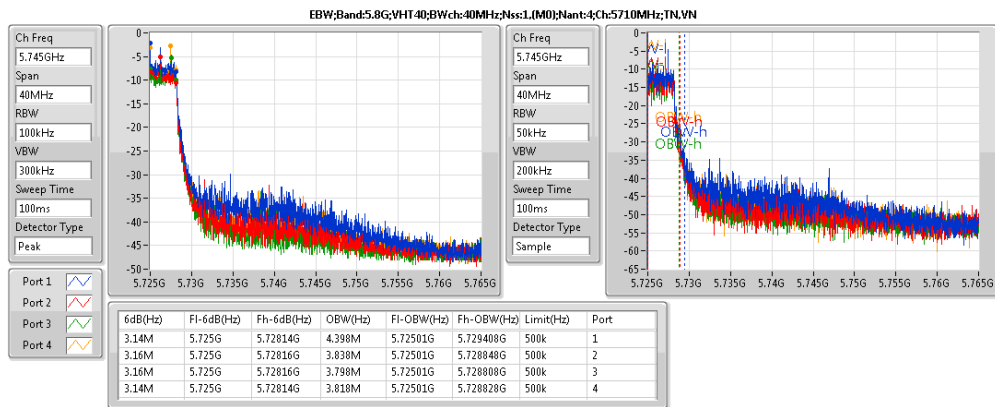
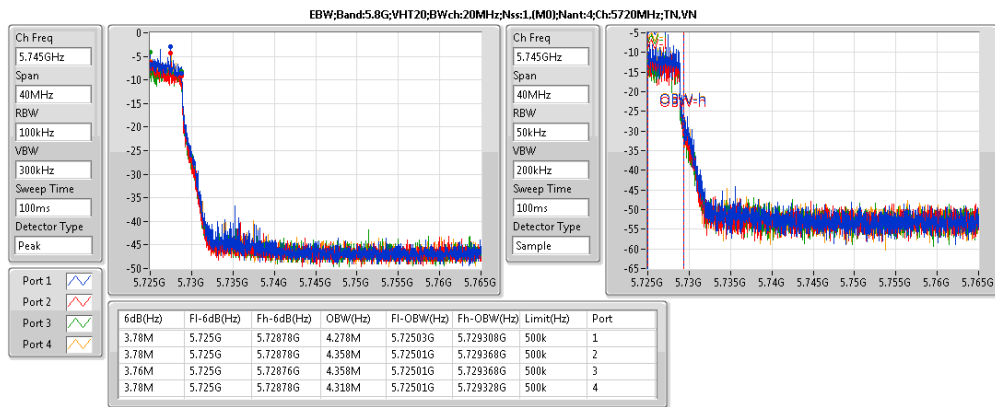
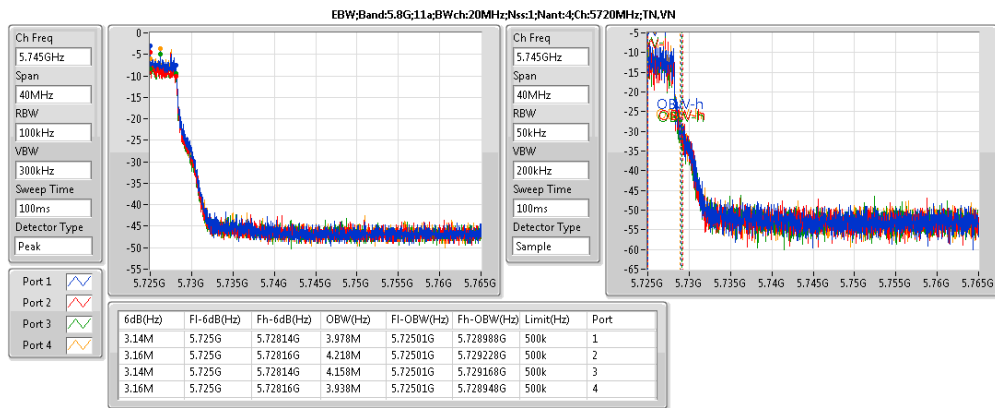


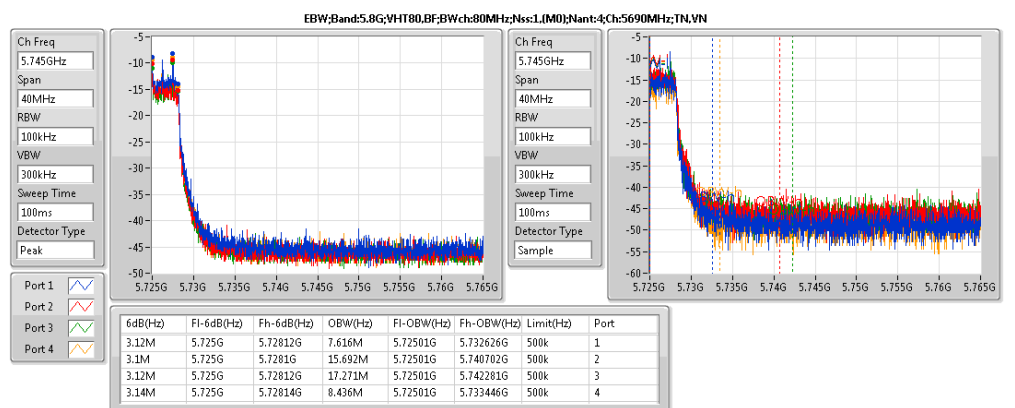
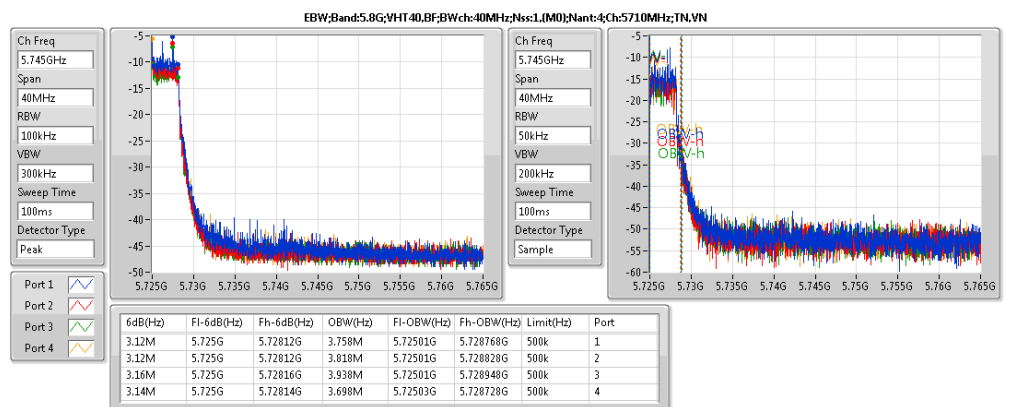
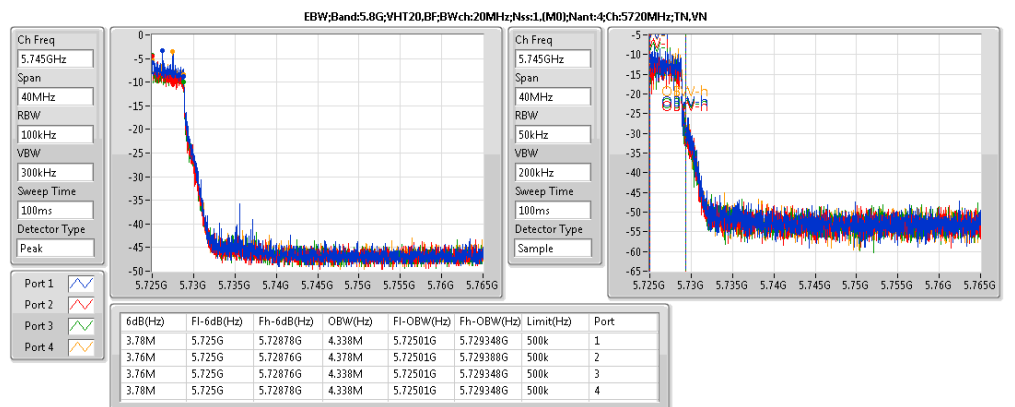
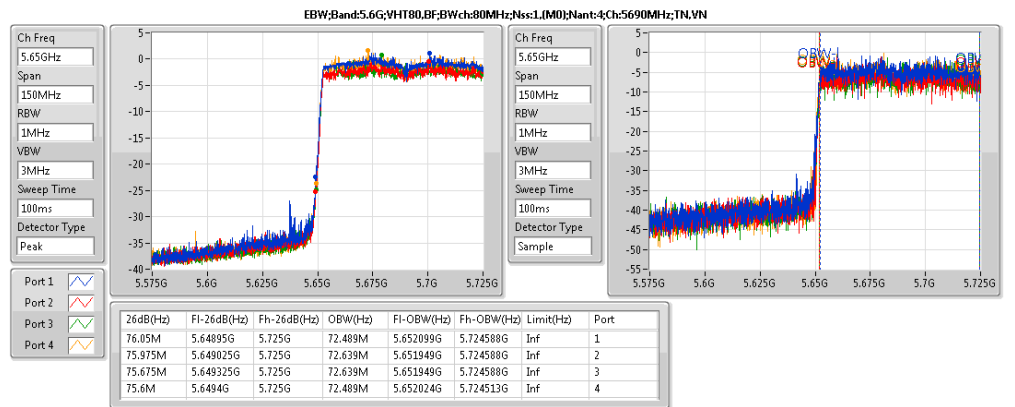
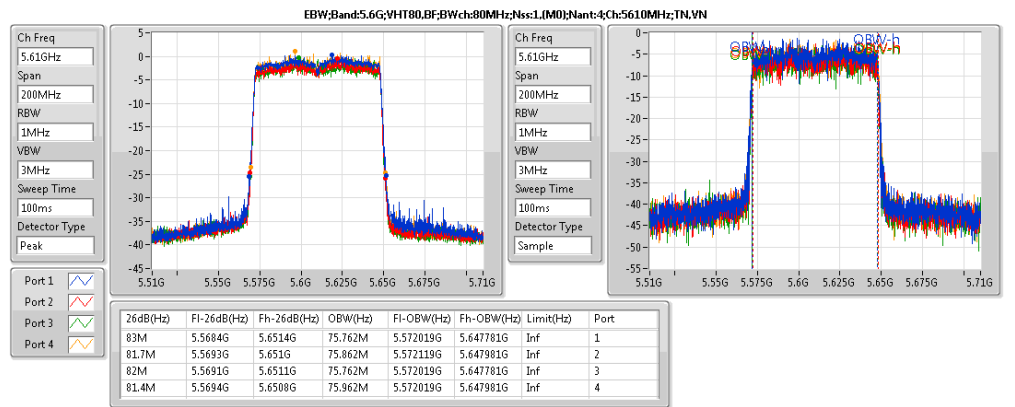
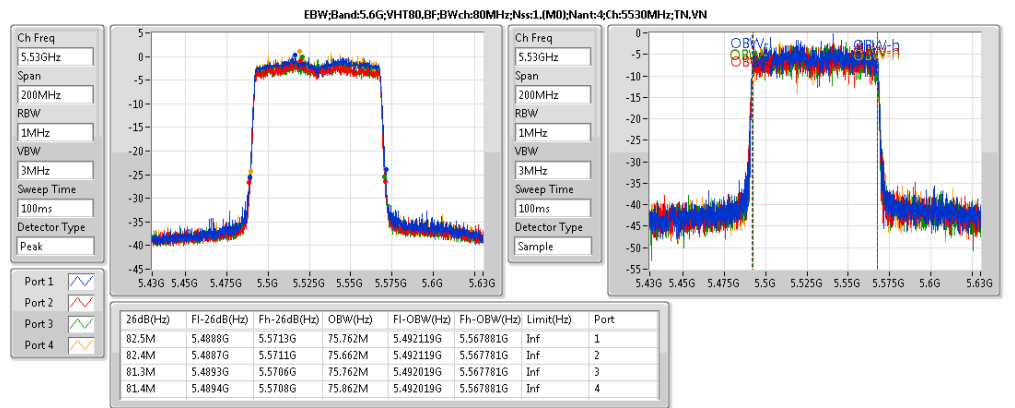
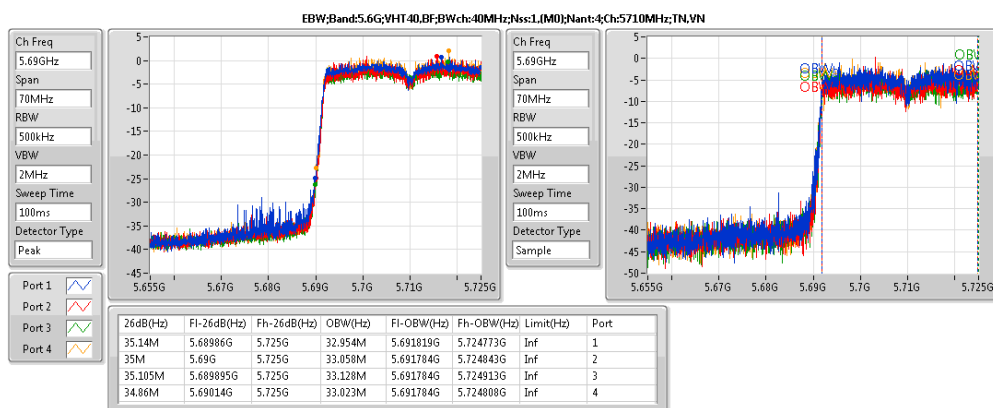
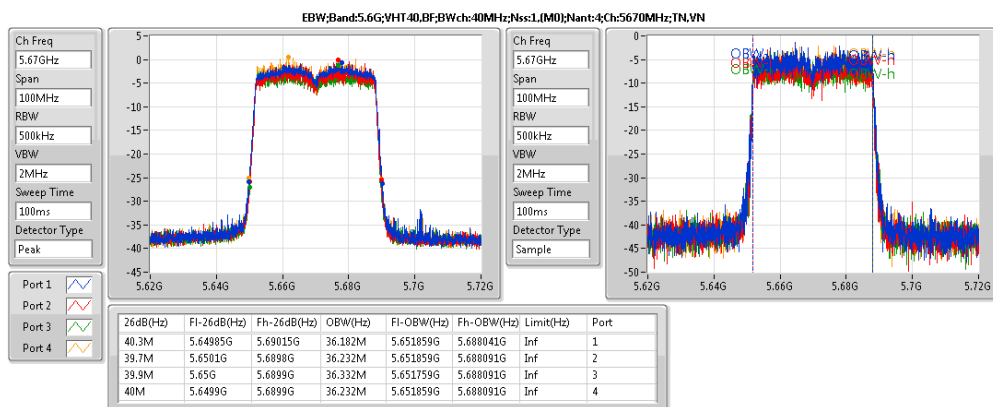
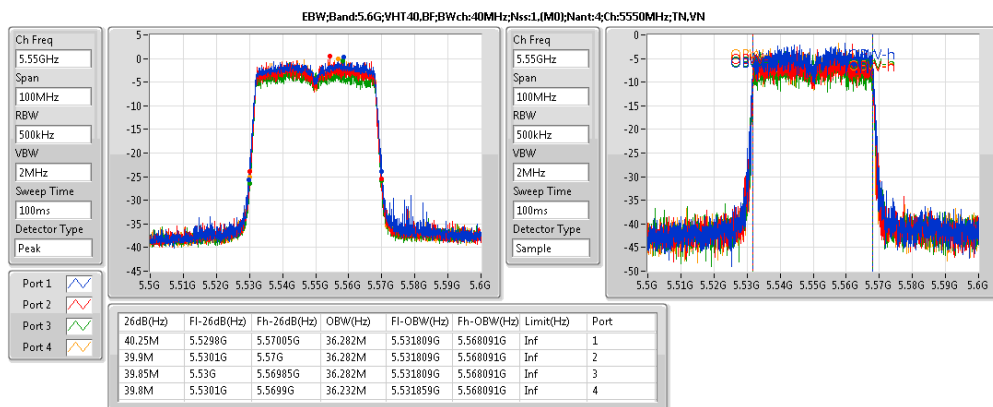
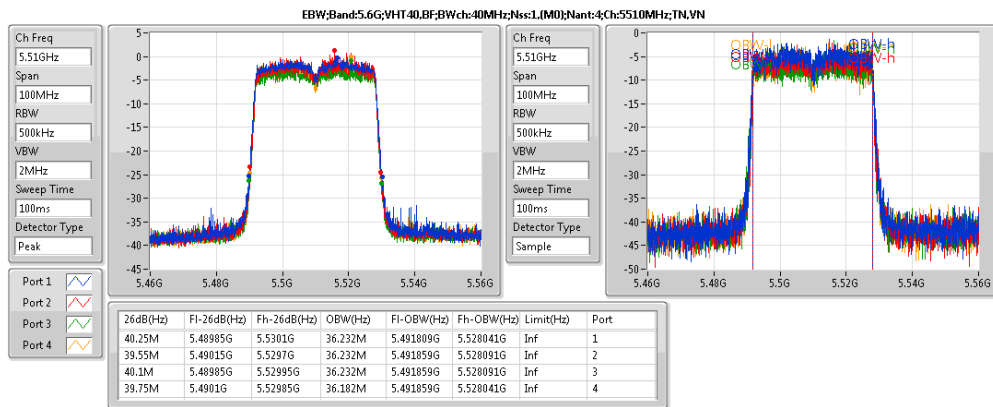
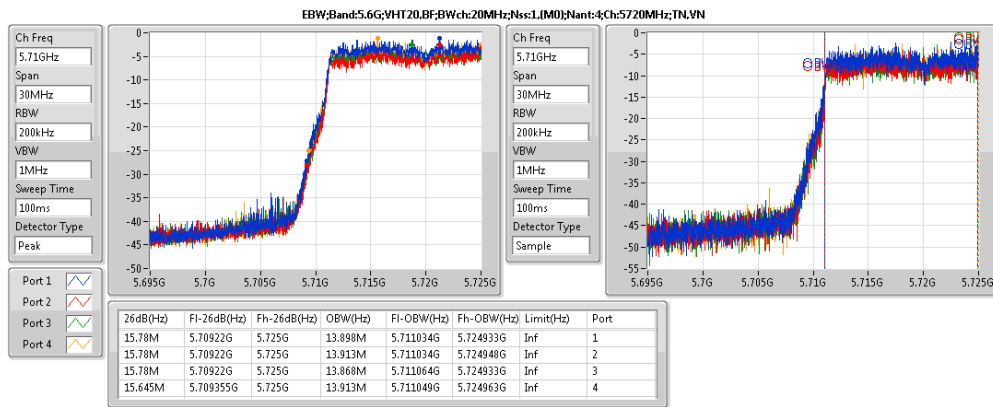
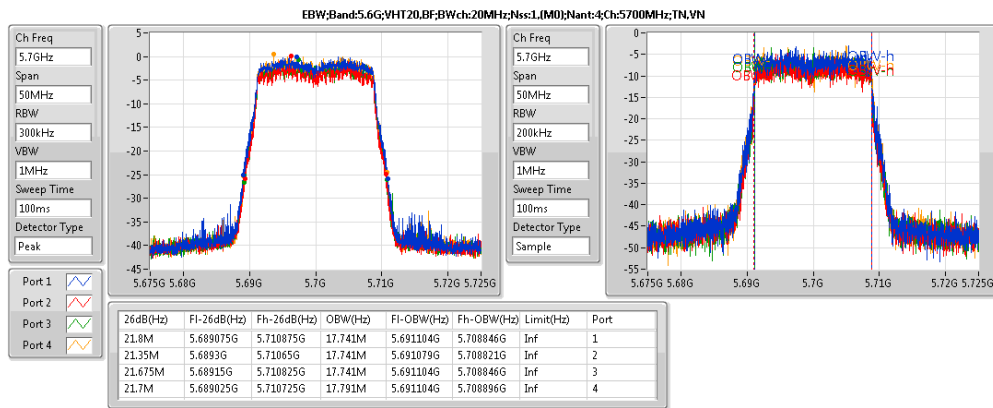
Result

Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)	P3-N dB (Hz)	P3-OBW (Hz)	P4-N dB (Hz)	P4-OBW (Hz)
5.3G;11a;Nss1;Ntx4;5260	Pass	Inf	21.65M	16.642M	21.375M	16.592M	21.475M	16.592M	21.4M	16.567M
5.3G;11a;Nss1;Ntx4;5300	Pass	Inf	21.65M	16.567M	21.575M	16.592M	21.4M	16.567M	21.5M	16.567M
5.3G;11a;Nss1;Ntx4;5320	Pass	Inf	21.7M	16.642M	21.625M	16.642M	21.475M	16.617M	21.425M	16.592M
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	Inf	21.825M	17.741M	21.65M	17.741M	21.65M	17.741M	21.675M	17.716M
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	Inf	21.925M	17.741M	21.65M	17.741M	21.625M	17.766M	21.5M	17.766M
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	Inf	21.825M	17.841M	21.75M	17.741M	21.65M	17.816M	21.875M	17.766M
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	Inf	66M	36.232M	48.05M	36.282M	40M	36.282M	42.1M	36.282M
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	Inf	48.7M	36.332M	40.1M	36.182M	39.9M	36.282M	40.1M	36.282M
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	Inf	82.3M	75.762M	81.5M	75.762M	81.4M	75.762M	81.9M	75.962M
5.6G;11a;Nss1;Ntx4;5500	Pass	Inf	21.7M	16.592M	21.55M	16.592M	21.4M	16.567M	21.425M	16.617M
5.6G;11a;Nss1;Ntx4;5580	Pass	Inf	21.575M	16.592M	21.425M	16.567M	21.4M	16.592M	21.425M	16.542M
5.6G;11a;Nss1;Ntx4;5700	Pass	Inf	21.625M	16.567M	21.525M	16.592M	21.35M	16.542M	21.5M	16.617M
5.6G;11a;Nss1;Ntx4;5720	Pass	Inf	15.705M	13.283M	15.645M	13.268M	15.555M	13.283M	15.675M	13.313M
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	Inf	21.9M	17.741M	21.825M	17.741M	21.675M	17.766M	21.725M	17.741M
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	Inf	21.975M	17.766M	21.525M	17.741M	21.425M	17.741M	21.775M	17.741M
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	Inf	21.825M	17.791M	21.475M	17.716M	21.55M	17.741M	21.5M	17.766M
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	Inf	15.81M	13.898M	15.78M	13.868M	15.825M	13.868M	15.945M	13.868M
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	Inf	40.45M	36.232M	39.85M	36.182M	40M	36.232M	40M	36.282M
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	Inf	46.8M	36.332M	39.8M	36.382M	39.7M	36.382M	39.85M	36.182M
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	Inf	63.4M	36.232M	39.9M	36.232M	46.8M	36.282M	43.3M	36.232M
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	Inf	40.04M	32.989M	34.93M	32.989M	35.035M	33.093M	34.895M	32.989M
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	Inf	82.4M	75.762M	81.5M	75.862M	82.1M	75.662M	81.9M	75.862M
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	Inf	140.4M	76.062M	123.2M	75.862M	105.2M	75.962M	113.9M	75.962M
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	Inf	106.8M	72.714M	105.3M	72.564M	98.175M	72.639M	104.55M	72.714M
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	3.14M	3.978M	3.16M	4.218M	3.14M	4.158M	3.16M	3.938M
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	3.78M	4.278M	3.78M	4.358M	3.76M	4.358M	3.78M	4.318M
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	3.14M	4.398M	3.16M	3.838M	3.16M	3.798M	3.14M	3.818M
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	2.92M	34.443M	3.14M	30.705M	3.16M	28.546M	3.12M	32.064M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	Inf	21.95M	17.741M	21.55M	17.766M	21.775M	17.766M	21.6M	17.741M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	Inf	21.775M	17.741M	21.575M	17.741M	21.8M	17.766M	21.7M	17.741M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	Inf	21.875M	17.766M	21.575M	17.766M	21.675M	17.741M	21.725M	17.741M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	Inf	40.5M	36.282M	39.8M	36.282M	39.9M	36.232M	40.15M	36.232M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	Inf	40.3M	36.232M	39.75M	36.232M	39.9M	36.282M	40.05M	36.282M
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	Inf	81.9M	75.762M	81.3M	75.862M	81.6M	75.962M	81.5M	75.962M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	Inf	21.95M	17.741M	21.575M	17.766M	21.65M	17.766M	21.775M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	Inf	21.825M	17.741M	21.6M	17.741M	21.65M	17.766M	21.675M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	Inf	21.8M	17.741M	21.35M	17.741M	21.675M	17.741M	21.7M	17.791M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	Inf	15.78M	13.898M	15.78M	13.913M	15.78M	13.868M	15.645M	13.913M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	Inf	40.25M	36.232M	39.55M	36.232M	40.1M	36.232M	39.75M	36.182M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	Inf	40.25M	36.282M	39.9M	36.282M	39.85M	36.282M	39.8M	36.232M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	Inf	40.3M	36.182M	39.7M	36.232M	39.9M	36.332M	40M	36.232M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	Inf	35.14M	32.954M	35M	33.058M	35.105M	33.128M	34.86M	33.023M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	Inf	82.5M	75.762M	82.4M	75.662M	81.3M	75.762M	81.4M	75.862M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	Inf	83M	75.762M	81.7M	75.862M	82M	75.762M	81.4M	75.962M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	Inf	76.05M	72.489M	75.975M	72.639M	75.675M	72.639M	75.6M	72.489M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	3.78M	4.338M	3.76M	4.378M	3.76M	4.338M	3.78M	4.338M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	3.12M	3.758M	3.12M	3.818M	3.16M	3.938M	3.14M	3.698M
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	3.12M	7.616M	3.1M	15.692M	3.12M	17.271M	3.14M	8.436M











Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.3G;11a;Nss1;Ntx4	20.35	0.10839	23.35	0.21627
5.3G;VHT20;Nss1,(M0);Ntx4	20.35	0.10839	23.35	0.21627
5.3G;VHT40;Nss1,(M0);Ntx4	23.41	0.21928	26.41	0.43752
5.3G;VHT80;Nss1,(M0);Ntx4	17.84	0.06081	20.84	0.12134
5.6G;11a;Nss1;Ntx4	20.02	0.10046	23.02	0.20045
5.6G;VHT20;Nss1,(M0);Ntx4	19.85	0.09661	22.85	0.19275
5.6G;VHT40;Nss1,(M0);Ntx4	21.97	0.1574	24.97	0.31405
5.6G;VHT80;Nss1,(M0);Ntx4	22.03	0.15959	25.03	0.31842
5.8G;11a;Nss1;Ntx4	13.82	0.0241	16.82	0.04808
5.8G;VHT20;Nss1,(M0);Ntx4	14.21	0.02636	17.21	0.0526
5.8G;VHT40;Nss1,(M0);Ntx4	11.54	0.01426	14.54	0.02844
5.8G;VHT80;Nss1,(M0);Ntx4	8.10	0.00646	11.10	0.01288
5.3G;VHT20,BF;Nss1,(M0);Ntx4	18.58	0.07211	27.60	0.57544
5.3G;VHT40,BF;Nss1,(M0);Ntx4	18.57	0.07194	27.59	0.57412
5.3G;VHT80,BF;Nss1,(M0);Ntx4	17.04	0.05058	26.06	0.40365
5.6G;VHT20,BF;Nss1,(M0);Ntx4	19.91	0.09795	28.93	0.78163
5.6G;VHT40,BF;Nss1,(M0);Ntx4	20.79	0.11995	29.82	0.9594
5.6G;VHT80,BF;Nss1,(M0);Ntx4	20.86	0.1219	29.88	0.97275
5.8G;VHT20,BF;Nss1,(M0);Ntx4	14.22	0.02642	23.24	0.21086
5.8G;VHT40,BF;Nss1,(M0);Ntx4	10.47	0.01114	19.49	0.08892
5.8G;VHT80,BF;Nss1,(M0);Ntx4	7.05	0.00507	16.07	0.04046



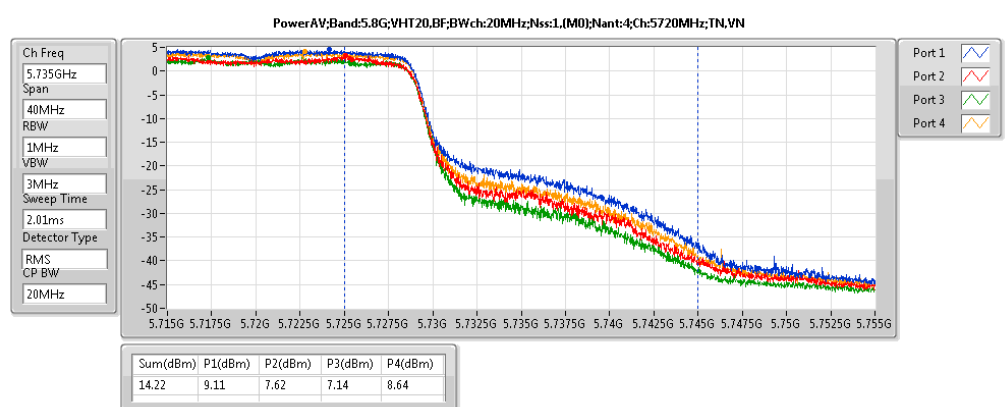
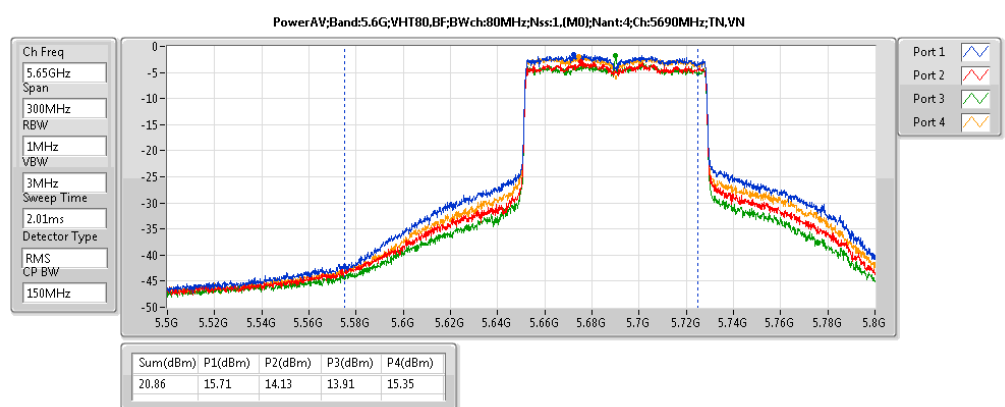
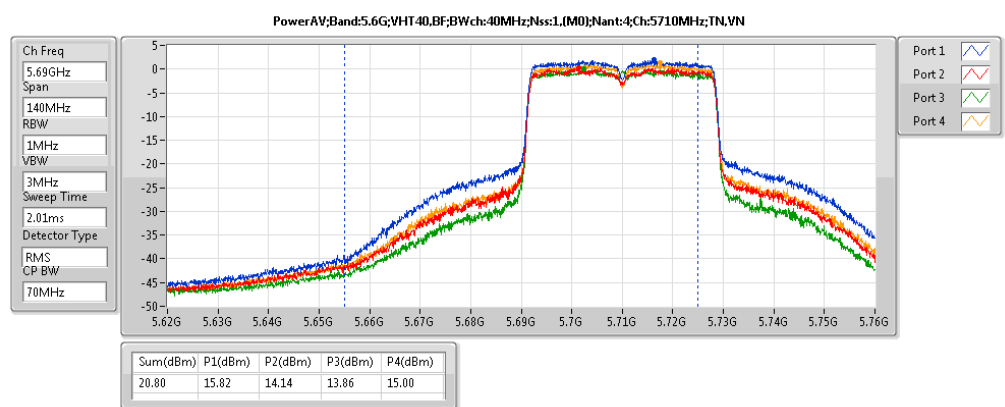
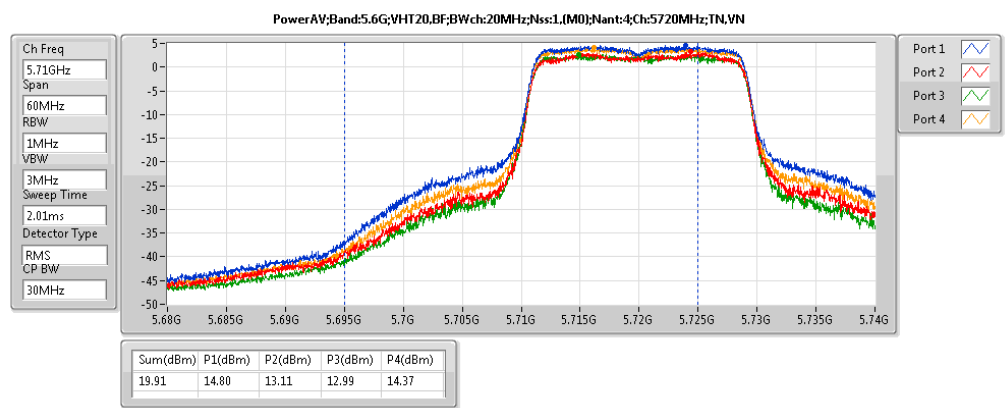
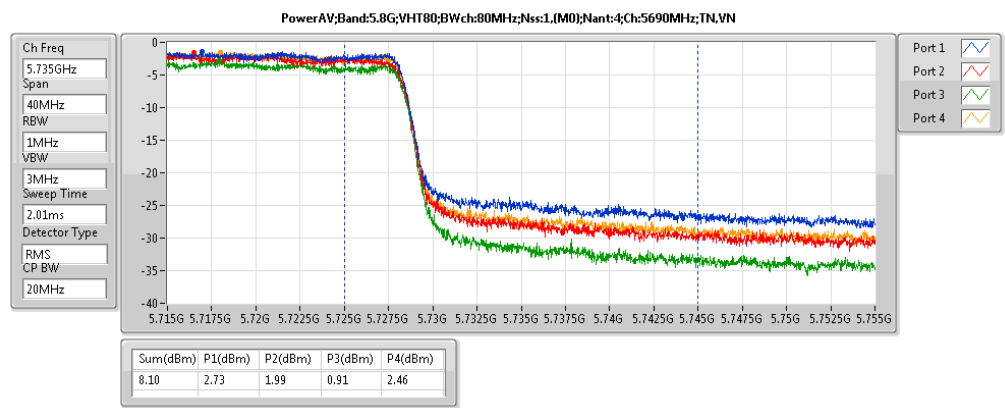
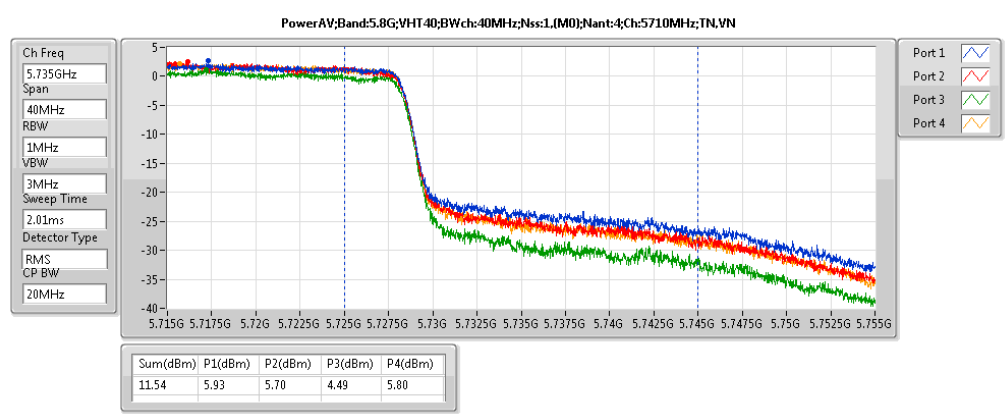
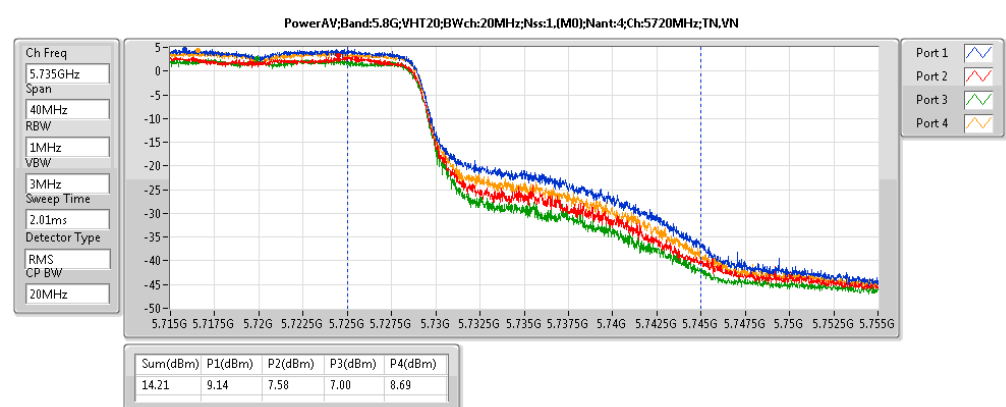
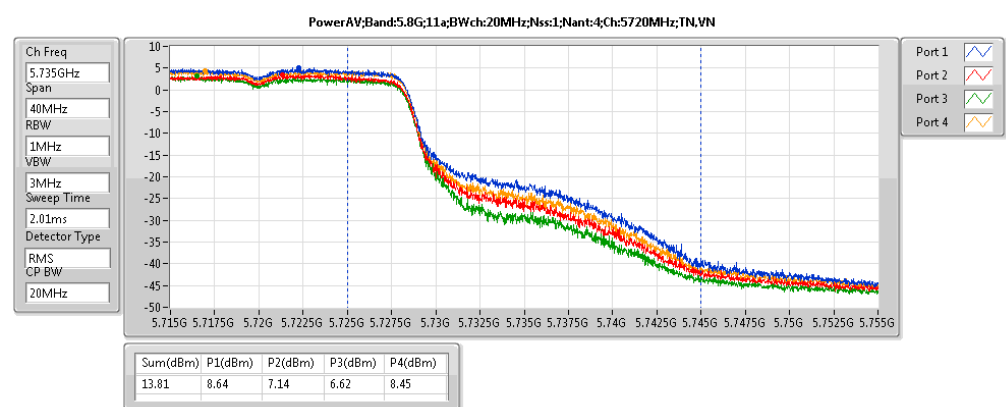
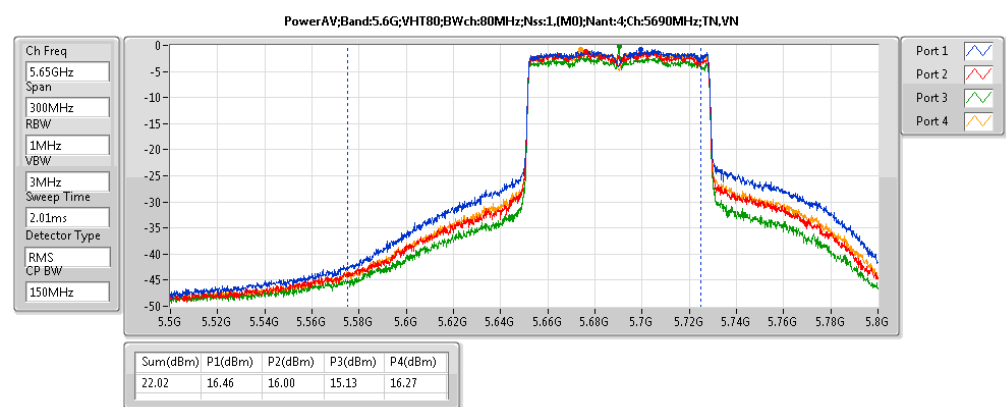
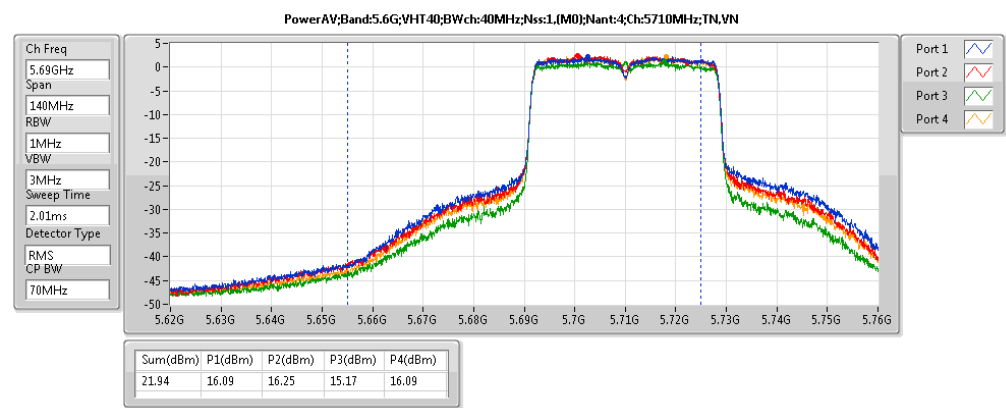
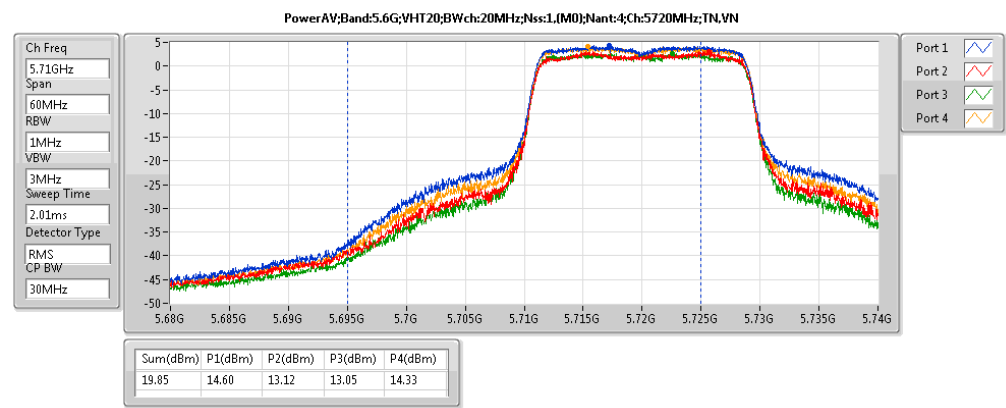
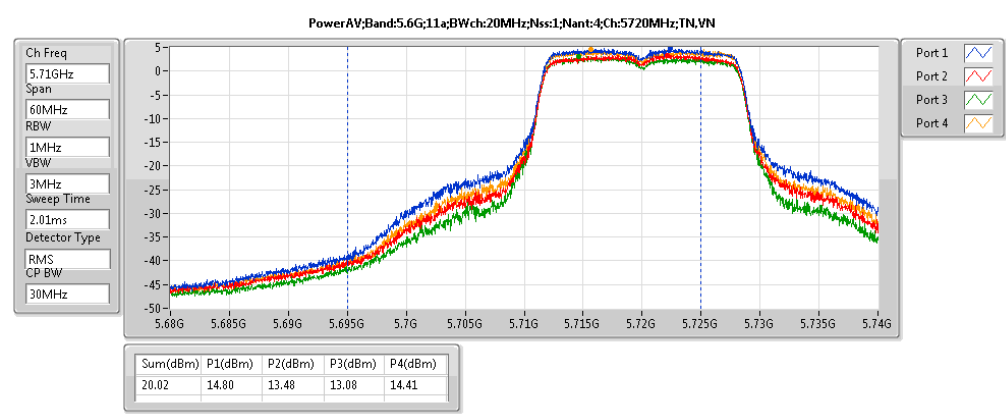
Result

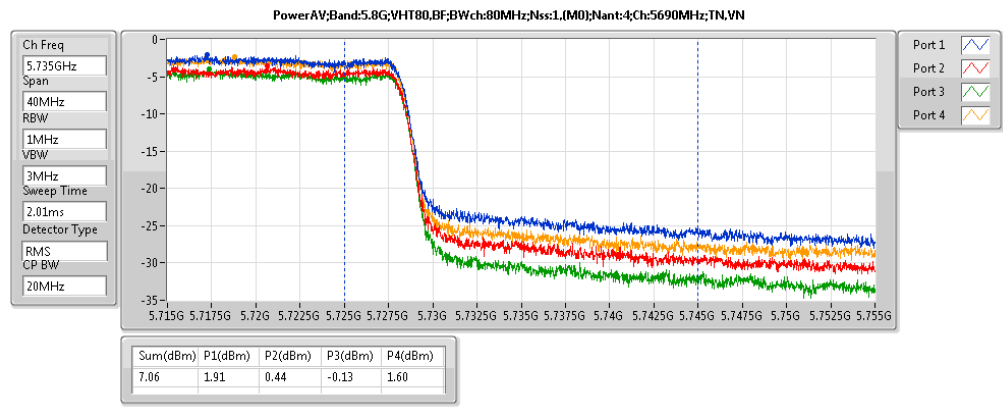
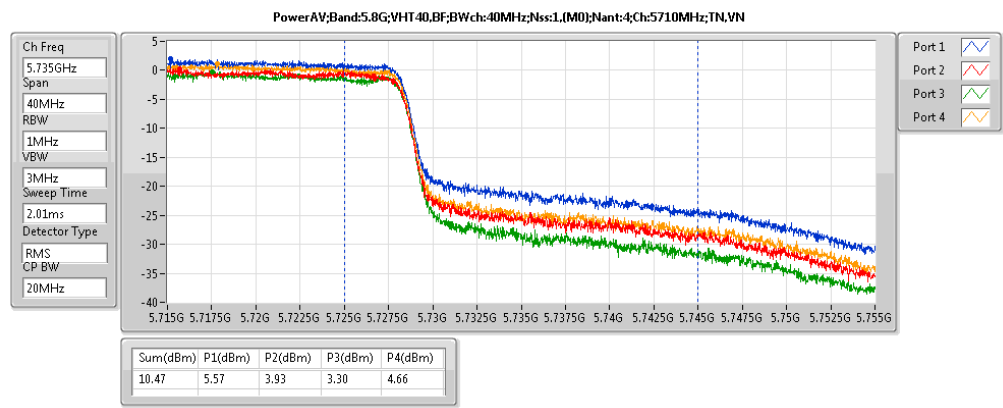
Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)
5.3G;11a;Nss1;Ntx4;5260;TN,VN	Pass	3.00	20.31	24.00	23.31	30.00	15.06	13.92	13.87	14.19
5.3G;11a;Nss1;Ntx4;5300;TN,VN	Pass	3.00	20.35	24.00	23.35	30.00	15.31	13.93	13.92	14.00
5.3G;11a;Nss1;Ntx4;5320;TN,VN	Pass	3.00	20.30	24.00	23.30	30.00	15.47	13.76	13.76	13.89
5.3G;VHT20;Nss1,(M0);Ntx4;5260;TN,VN	Pass	3.00	20.31	24.00	23.31	30.00	14.01	14.37	14.18	14.58
5.3G;VHT20;Nss1,(M0);Ntx4;5300;TN,VN	Pass	3.00	20.35	24.00	23.35	30.00	14.03	14.55	14.29	14.44
5.3G;VHT20;Nss1,(M0);Ntx4;5320;TN,VN	Pass	3.00	20.32	24.00	23.32	30.00	15.41	13.76	13.81	13.99
5.3G;VHT40;Nss1,(M0);Ntx4;5270;TN,VN	Pass	3.00	23.41	24.00	26.41	30.00	16.94	17.32	17.27	17.98
5.3G;VHT40;Nss1,(M0);Ntx4;5310;TN,VN	Pass	3.00	18.98	24.00	21.98	30.00	13.01	12.77	12.89	13.14
5.3G;VHT80;Nss1,(M0);Ntx4;5290;TN,VN	Pass	3.00	17.84	24.00	20.84	30.00	12.13	11.64	11.74	11.75
5.6G;11a;Nss1;Ntx4;5500;TN,VN	Pass	3.00	18.76	24.00	21.76	30.00	14.01	12.07	12.53	12.03
5.6G;11a;Nss1;Ntx4;5580;TN,VN	Pass	3.00	18.85	24.00	21.85	30.00	14.11	12.29	12.5	12.12
5.6G;11a;Nss1;Ntx4;5700;TN,VN	Pass	3.00	18.83	24.00	21.83	30.00	14.06	12.63	12.16	12.09
5.6G;11a;Nss1;Ntx4;5720;TN,VN	Pass	3.00	20.02	23.75	23.02	29.75	14.80	13.48	13.08	14.41
5.6G;VHT20;Nss1,(M0);Ntx4;5500;TN,VN	Pass	3.00	18.99	24.00	21.99	30.00	13.08	12.84	12.67	13.25
5.6G;VHT20;Nss1,(M0);Ntx4;5580;TN,VN	Pass	3.00	18.98	24.00	21.98	30.00	14.07	12.23	12.8	12.48
5.6G;VHT20;Nss1,(M0);Ntx4;5700;TN,VN	Pass	3.00	19.00	24.00	22.00	30.00	13.7	12.64	12.74	12.75
5.6G;VHT20;Nss1,(M0);Ntx4;5720;TN,VN	Pass	3.00	19.85	24.00	22.85	30.00	14.60	13.12	13.05	14.33
5.6G;VHT40;Nss1,(M0);Ntx4;5510;TN,VN	Pass	3.00	18.63	24.00	21.63	30.00	13.96	12.49	11.33	12.23
5.6G;VHT40;Nss1,(M0);Ntx4;5550;TN,VN	Pass	3.00	21.78	24.00	24.78	30.00	15.38	15.53	15.63	16.41
5.6G;VHT40;Nss1,(M0);Ntx4;5670;TN,VN	Pass	3.00	21.90	24.00	24.90	30.00	15.69	15.71	15.63	16.42
5.6G;VHT40;Nss1,(M0);Ntx4;5710;TN,VN	Pass	3.00	21.97	24.00	24.97	30.00	16.09	16.31	15.25	16.09
5.6G;VHT80;Nss1,(M0);Ntx4;5530;TN,VN	Pass	3.00	18.12	24.00	21.12	30.00	12.99	11.43	11.26	12.47
5.6G;VHT80;Nss1,(M0);Ntx4;5610;TN,VN	Pass	3.00	22.03	24.00	25.03	30.00	16.38	15.35	15.76	16.44
5.6G;VHT80;Nss1,(M0);Ntx4;5690;TN,VN	Pass	3.00	22.02	24.00	25.02	30.00	16.46	16.00	15.13	16.27
5.8G;11a;Nss1;Ntx4;5720;TN,VN	Pass	3.00	13.82	30.00	16.82	36.00	8.64	7.14	6.62	8.45
5.8G;VHT20;Nss1,(M0);Ntx4;5720;TN,VN	Pass	3.00	14.21	30.00	17.21	36.00	9.14	7.58	7.00	8.69
5.8G;VHT40;Nss1,(M0);Ntx4;5710;TN,VN	Pass	3.00	11.54	30.00	14.54	36.00	5.93	5.70	4.49	5.80
5.8G;VHT80;Nss1,(M0);Ntx4;5690;TN,VN	Pass	3.00	8.10	30.00	11.10	36.00	2.73	1.99	0.91	2.46
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260;TN,VN	Pass	9.02	18.53	20.98	27.55	30.00	12.85	12.34	12.39	12.43
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300;TN,VN	Pass	9.02	18.58	20.98	27.60	30.00	13.55	12.15	12.12	12.26
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320;TN,VN	Pass	9.02	18.55	20.98	27.57	30.00	13.34	12.07	12.23	12.34
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270;TN,VN	Pass	9.02	18.57	20.98	27.59	30.00	13.31	12.27	12.07	12.44
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310;TN,VN	Pass	9.02	18.38	20.98	27.40	30.00	13.21	12.07	11.84	12.19
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290;TN,VN	Pass	9.02	17.04	20.98	26.06	30.00	11.69	11.13	10.89	10.26
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500;TN,VN	Pass	9.02	18.67	20.98	27.69	30.00	13.47	12.44	12.94	11.51
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580;TN,VN	Pass	9.02	18.67	20.98	27.69	30.00	13.72	11.93	12.52	12.19
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700;TN,VN	Pass	9.02	18.66	20.98	27.68	30.00	13.79	12.54	11.96	12.00
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720;TN,VN	Pass	9.02	19.91	20.88	28.93	29.90	14.80	13.11	12.99	14.37
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510;TN,VN	Pass	9.02	18.63	20.98	27.65	30.00	13.96	12.49	11.33	12.23
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550;TN,VN	Pass	9.02	18.67	20.98	27.69	30.00	13.61	12.62	12.04	12.15
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670;TN,VN	Pass	9.02	18.62	20.98	27.64	30.00	13.03	12.8	11.66	12.79
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710;TN,VN	Pass	9.02	20.79	20.98	29.82	30.00	15.82	14.14	13.86	15.00
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530;TN,VN	Pass	9.02	18.02	20.98	27.05	30.00	12.76	12.1	11.6	11.43
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610;TN,VN	Pass	9.02	18.70	20.98	27.72	30.00	13.98	12.21	12.11	12.09
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690;TN,VN	Pass	9.02	20.86	20.98	29.88	30.00	15.71	14.13	13.91	15.35
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720;TN,VN	Pass	9.02	14.22	26.98	23.24	36.00	9.11	7.62	7.14	8.64
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710;TN,VN	Pass	9.02	10.47	26.98	19.49	36.00	5.57	3.93	3.30	4.66
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690;TN,VN	Pass	9.02	7.05	26.98	16.07	36.00	1.91	0.44	-0.13	1.60



Antenna 1 PowerAV Result

Appendix C







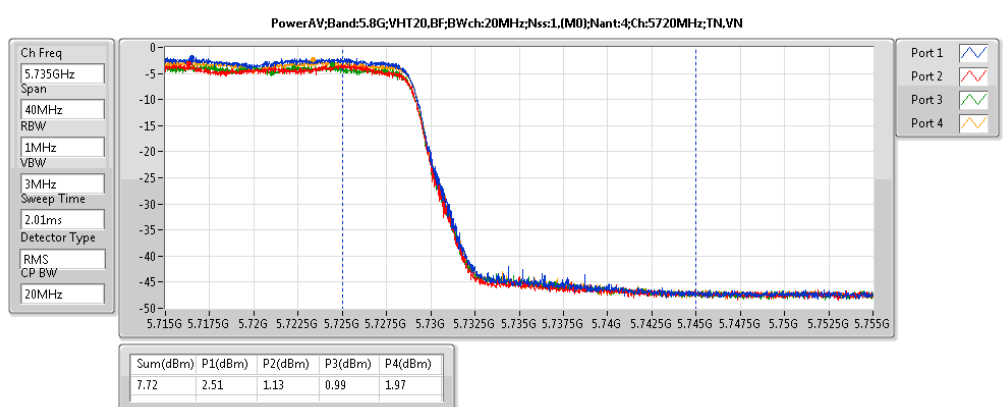
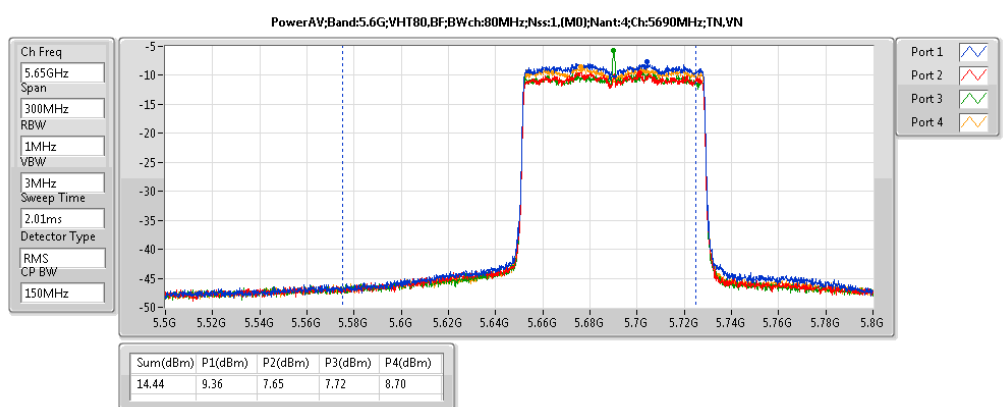
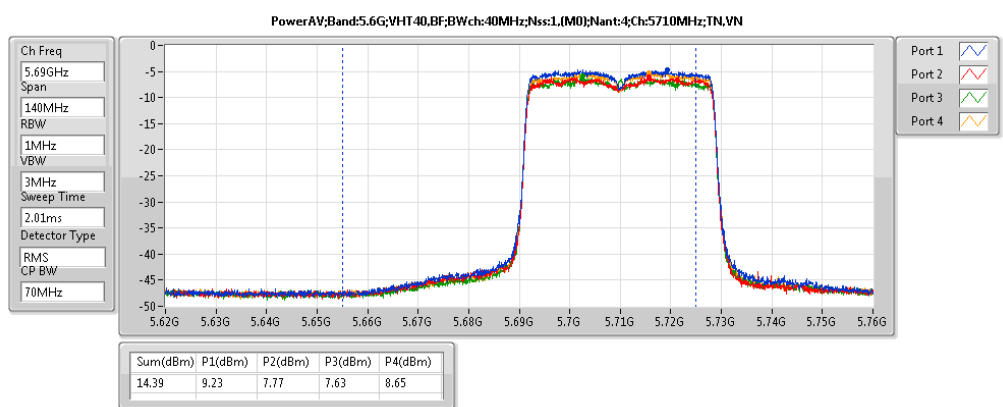
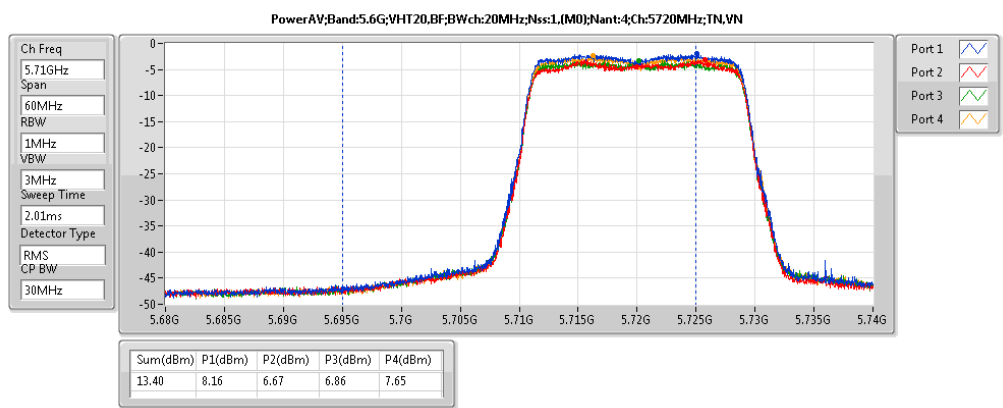
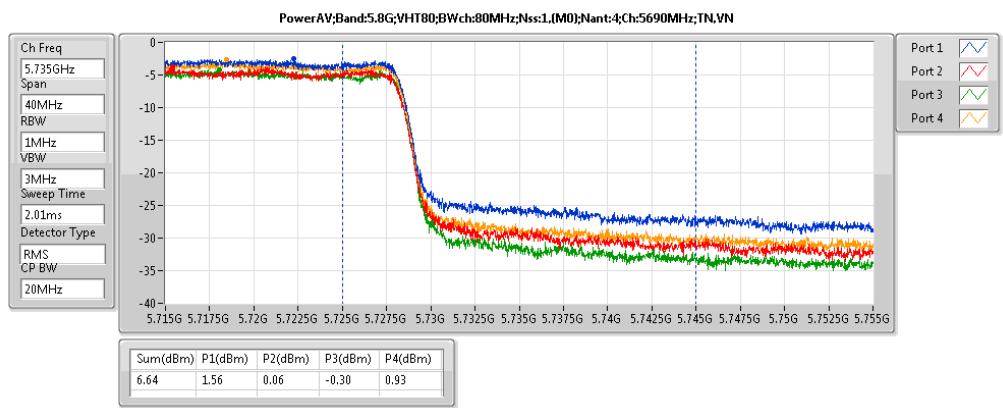
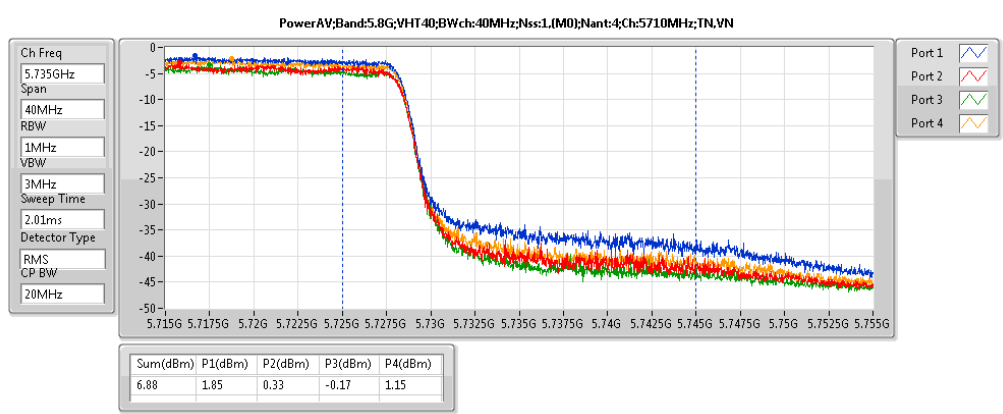
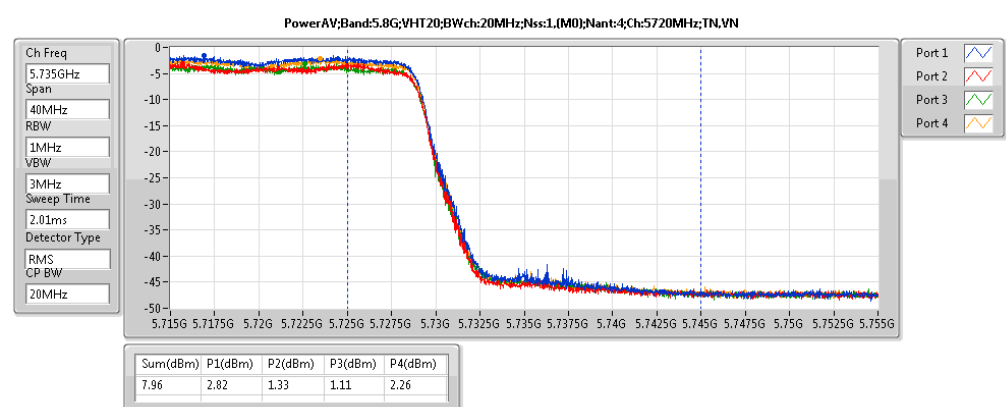
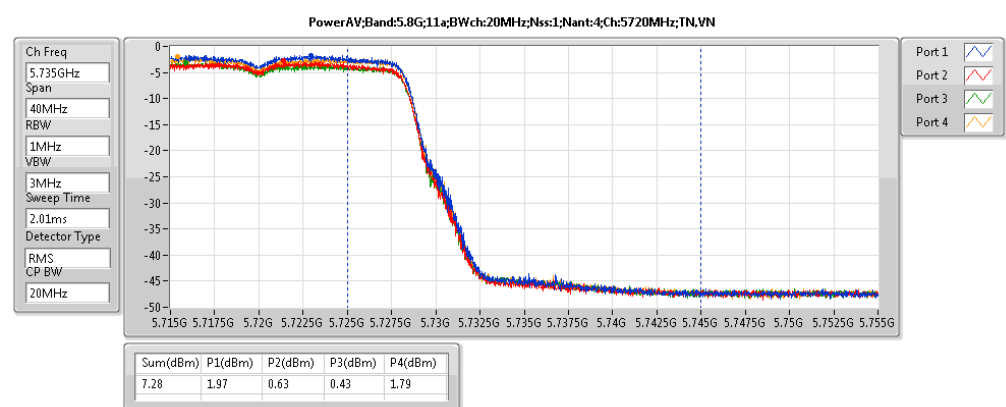
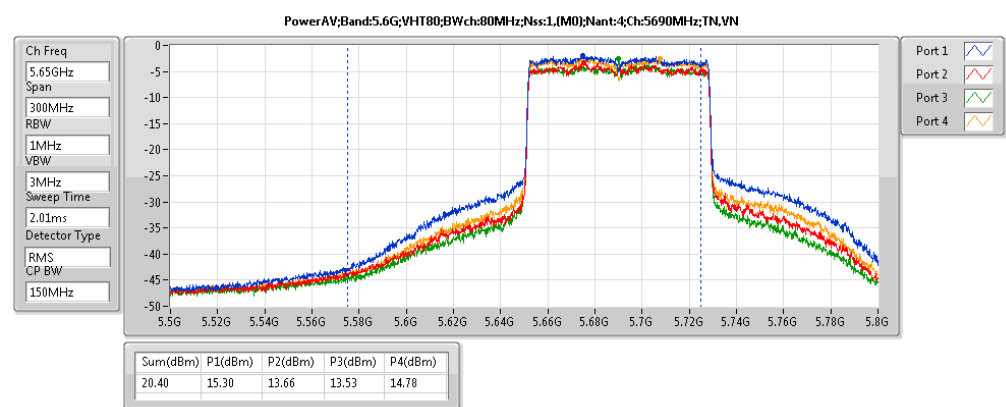
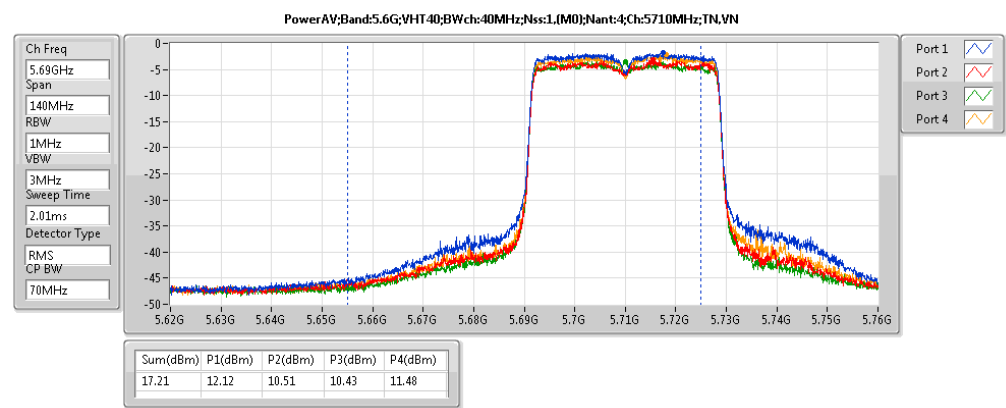
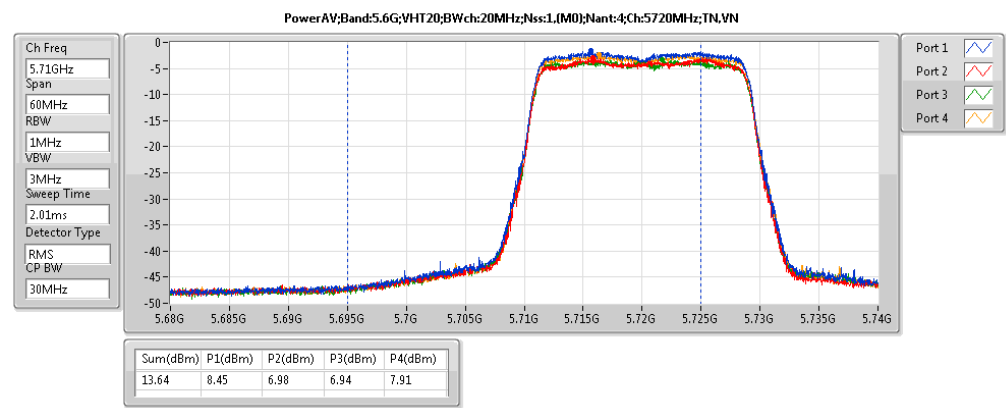
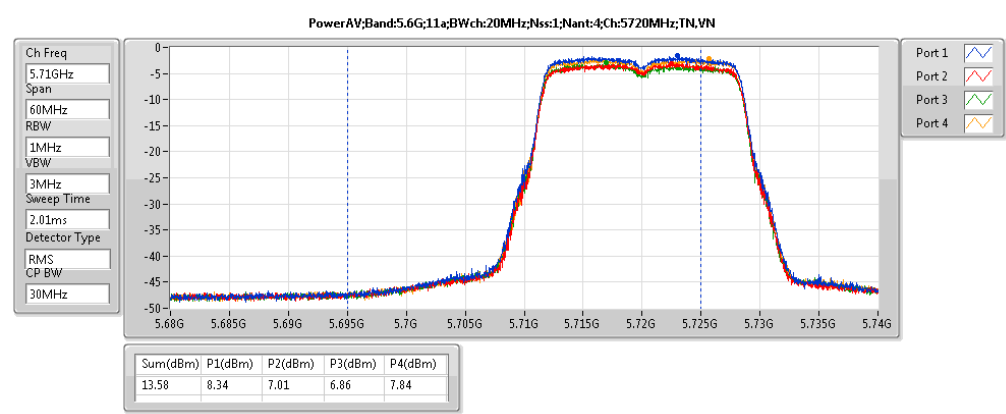
Summary

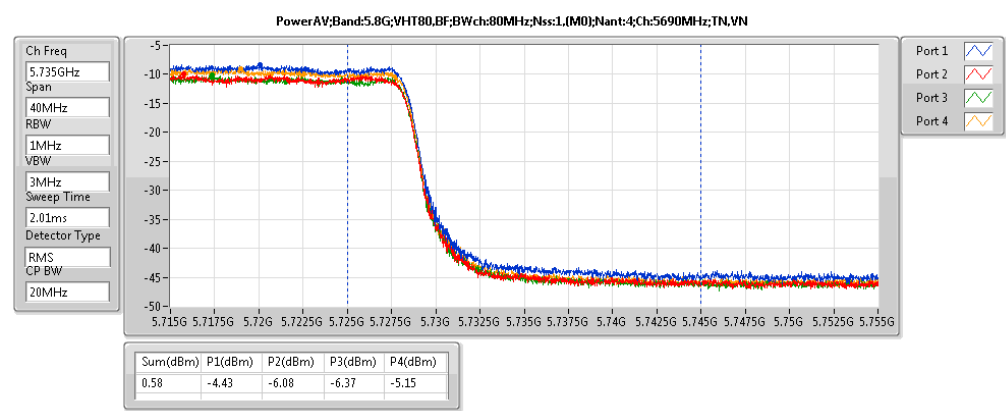
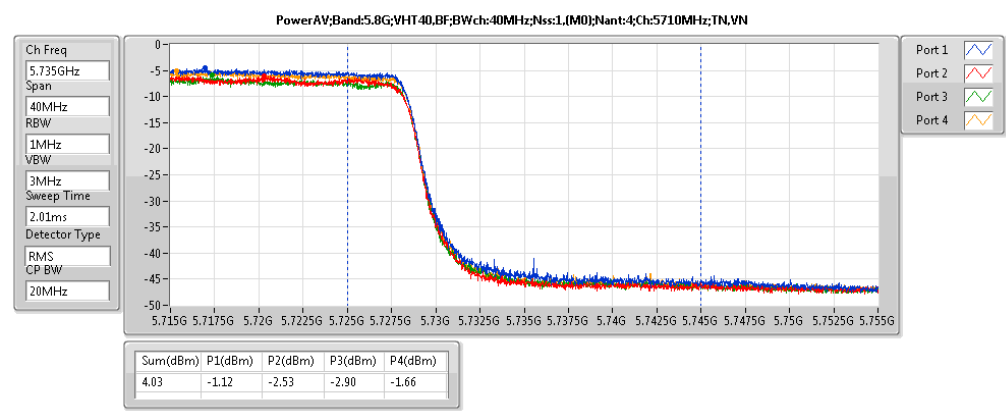
Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.3G;11a;Nss1;Ntx4	15.41	0.03475	24.81	0.30269
5.3G;VHT20;Nss1,(M0);Ntx4	15.74	0.0375	25.14	0.32659
5.3G;VHT40;Nss1,(M0);Ntx4	18.52	0.07112	27.92	0.61944
5.3G;VHT80;Nss1,(M0);Ntx4	15.29	0.03381	24.69	0.29444
5.6G;11a;Nss1;Ntx4	15.23	0.03334	24.63	0.2904
5.6G;VHT20;Nss1,(M0);Ntx4	15.56	0.03597	24.96	0.31333
5.6G;VHT40;Nss1,(M0);Ntx4	18.57	0.07194	27.97	0.62661
5.6G;VHT80;Nss1,(M0);Ntx4	20.44	0.11066	29.84	0.96383
5.8G;11a;Nss1;Ntx4	7.28	0.00535	16.68	0.04656
5.8G;VHT20;Nss1,(M0);Ntx4	7.96	0.00625	17.36	0.05445
5.8G;VHT40;Nss1,(M0);Ntx4	6.88	0.00488	16.28	0.04246
5.8G;VHT80;Nss1,(M0);Ntx4	6.64	0.00461	16.04	0.04018
5.3G;VHT20,BF;Nss1,(M0);Ntx4	14.54	0.02844	29.96	0.99083
5.3G;VHT40,BF;Nss1,(M0);Ntx4	14.51	0.02825	29.93	0.98401
5.3G;VHT80,BF;Nss1,(M0);Ntx4	14.54	0.02844	29.96	0.99083
5.6G;VHT20,BF;Nss1,(M0);Ntx4	14.47	0.02799	29.89	0.97499
5.6G;VHT40,BF;Nss1,(M0);Ntx4	14.42	0.02767	29.84	0.96383
5.6G;VHT80,BF;Nss1,(M0);Ntx4	14.54	0.02844	29.96	0.99083
5.8G;VHT20,BF;Nss1,(M0);Ntx4	7.72	0.00592	23.14	0.20606
5.8G;VHT40,BF;Nss1,(M0);Ntx4	4.02	0.00252	19.45	0.0881
5.8G;VHT80,BF;Nss1,(M0);Ntx4	0.58	0.00114	16.00	0.03981



Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)
5.3G;11a;Nss1;Ntx4;5260	Pass	9.40	15.30	20.58	24.70	30.00	9.77	8.89	9.05	9.34
5.3G;11a;Nss1;Ntx4;5300	Pass	9.40	15.41	20.58	24.81	30.00	9.8	9.13	9.06	9.51
5.3G;11a;Nss1;Ntx4;5320	Pass	9.40	15.36	20.58	24.76	30.00	9.81	8.95	9.03	9.51
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	9.40	15.58	20.58	24.98	30.00	10.11	9.09	9.4	9.57
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	9.40	15.74	20.58	25.14	30.00	10.19	9.46	9.51	9.69
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	9.40	15.66	20.58	25.06	30.00	10.19	9.17	9.46	9.66
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	9.40	18.52	20.58	27.92	30.00	13.17	12.19	11.92	12.62
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	9.40	17.76	20.58	27.16	30.00	12.31	11.37	11.39	11.83
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	9.40	15.29	20.58	24.69	30.00	9.93	8.94	8.92	9.21
5.6G;11a;Nss1;Ntx4;5500	Pass	9.40	15.23	20.58	24.63	30.00	10.32	8.09	9.14	9.01
5.6G;11a;Nss1;Ntx4;5580	Pass	9.40	15.00	20.58	24.40	30.00	10.23	7.66	8.72	8.92
5.6G;11a;Nss1;Ntx4;5700	Pass	9.40	15.19	20.58	24.59	30.00	9.98	8.51	8.54	9.45
5.6G;11a;Nss1;Ntx4;5720	Pass	9.40	13.58	19.52	22.98	28.92	8.34	7.01	6.86	7.84
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	9.40	15.52	20.58	24.92	30.00	10.68	8.29	9.47	9.21
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	9.40	15.56	20.58	24.96	30.00	10.75	8.17	9.43	9.44
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	9.40	15.42	20.58	24.82	30.00	10.28	8.55	8.92	9.63
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	9.40	13.64	19.58	23.04	28.98	8.45	6.98	6.94	7.91
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	9.40	17.46	20.58	26.86	30.00	12.67	11.26	10.38	11.11
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	9.40	18.33	20.58	27.73	30.00	13.55	11.80	11.23	12.30
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	9.40	18.57	20.58	27.97	30.00	13.57	11.78	11.61	12.94
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	9.40	17.21	20.58	26.61	30.00	12.12	10.51	10.43	11.48
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	9.40	16.90	20.58	26.30	30.00	11.65	10.10	10.36	11.21
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	9.40	20.44	20.58	29.84	30.00	15.27	13.93	13.65	14.65
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	9.40	20.40	20.58	29.80	30.00	15.30	13.66	13.53	14.78
5.8G;11a;Nss1;Ntx4;5720	Pass	9.40	7.28	26.60	16.68	36.00	1.97	0.63	0.43	1.79
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	9.40	7.96	26.60	17.36	36.00	2.82	1.33	1.11	2.26
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	9.40	6.88	26.60	16.28	36.00	1.85	0.33	-0.17	1.15
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	9.40	6.64	26.60	16.04	36.00	1.56	0.06	-0.30	0.93
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	15.42	14.54	14.56	29.96	30.00	8.81	8.07	8.56	8.59
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	15.42	14.53	14.56	29.95	30.00	9.15	8.05	8.65	8.11
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	15.42	14.52	14.56	29.94	30.00	9.27	8.21	8.22	8.19
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	15.42	14.49	14.56	29.91	30.00	8.89	7.82	8.41	8.69
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	15.42	14.51	14.56	29.93	30.00	9.09	8.01	8.53	8.26
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	15.42	14.54	14.56	29.96	30.00	9.53	8.06	8.28	8.03
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	15.42	14.47	14.56	29.89	30.00	9.59	7.83	8.44	7.66
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	15.42	14.41	14.56	29.84	30.00	9.55	7.83	8.35	7.57
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	15.42	14.36	14.56	29.78	30.00	9.37	8.16	7.81	7.81
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	15.42	13.40	13.52	28.82	28.94	8.16	6.67	6.86	7.65
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	15.42	14.36	14.56	29.78	30.00	9.45	8.35	7.73	7.56
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	15.42	14.42	14.56	29.84	30.00	9.59	8.16	7.76	7.84
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	15.42	14.23	14.56	29.65	30.00	9.38	8.07	7.59	7.51
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	15.42	14.39	14.56	29.81	30.00	9.23	7.77	7.63	8.65
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	15.42	14.40	14.56	29.82	30.00	9.45	7.98	7.95	7.94
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	15.42	14.54	14.56	29.96	30.00	9.78	8.23	7.86	7.89
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	15.42	14.44	14.56	29.86	30.00	9.36	7.65	7.72	8.70
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	15.42	7.72	20.58	23.14	36.00	2.51	1.13	0.99	1.97
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	15.42	4.02	20.58	19.45	36.00	-1.12	-2.53	-2.90	-1.66
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	15.42	0.58	20.58	16.00	36.00	-4.43	-6.08	-6.37	-5.15







Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.3G;11a;Nss1;Ntx4	6.75	15.77
5.3G;VHT20;Nss1,(M0);Ntx4	6.68	15.70
5.3G;VHT40;Nss1,(M0);Ntx4	6.52	15.54
5.3G;VHT80;Nss1,(M0);Ntx4	-1.41	7.61
5.6G;11a;Nss1;Ntx4	7.86	16.88
5.6G;VHT20;Nss1,(M0);Ntx4	7.59	16.61
5.6G;VHT40;Nss1,(M0);Ntx4	6.03	15.05
5.6G;VHT80;Nss1,(M0);Ntx4	2.79	11.81
5.8G;11a;Nss1;Ntx4	6.16	15.18
5.8G;VHT20;Nss1,(M0);Ntx4	6.01	15.03
5.8G;VHT40;Nss1,(M0);Ntx4	3.87	12.89
5.8G;VHT80;Nss1,(M0);Ntx4	0.49	9.51
5.3G;VHT20,BF;Nss1,(M0);Ntx4	4.73	13.75
5.3G;VHT40,BF;Nss1,(M0);Ntx4	1.71	10.73
5.3G;VHT80,BF;Nss1,(M0);Ntx4	-2.45	6.57
5.6G;VHT20,BF;Nss1,(M0);Ntx4	7.60	16.62
5.6G;VHT40,BF;Nss1,(M0);Ntx4	4.79	13.81
5.6G;VHT80,BF;Nss1,(M0);Ntx4	1.65	10.67
5.8G;VHT20,BF;Nss1,(M0);Ntx4	6.04	15.06
5.8G;VHT40,BF;Nss1,(M0);Ntx4	2.72	11.74
5.8G;VHT80,BF;Nss1,(M0);Ntx4	-0.61	8.41



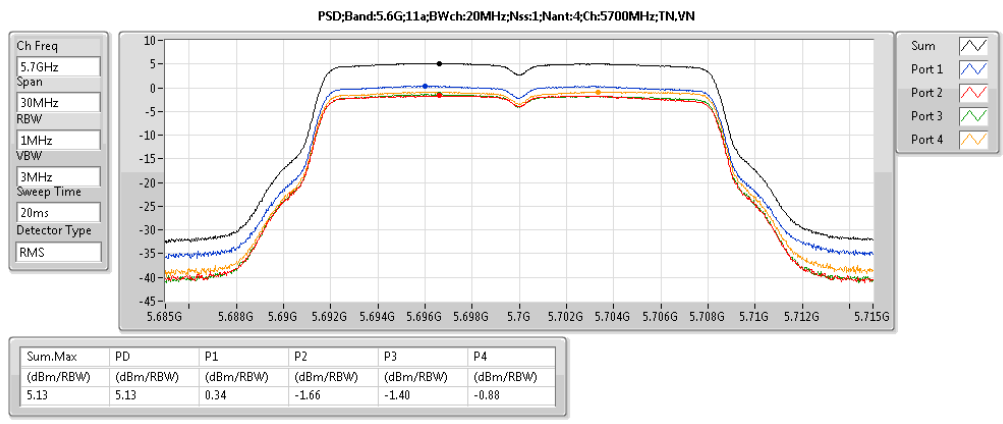
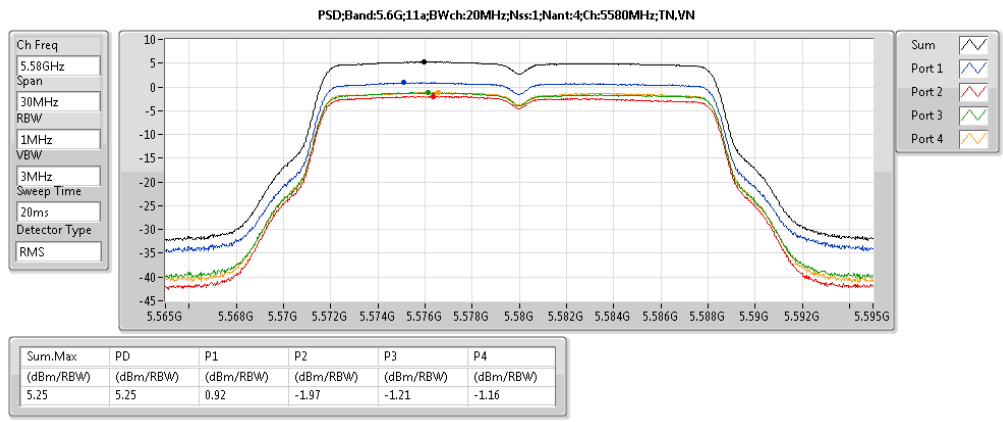
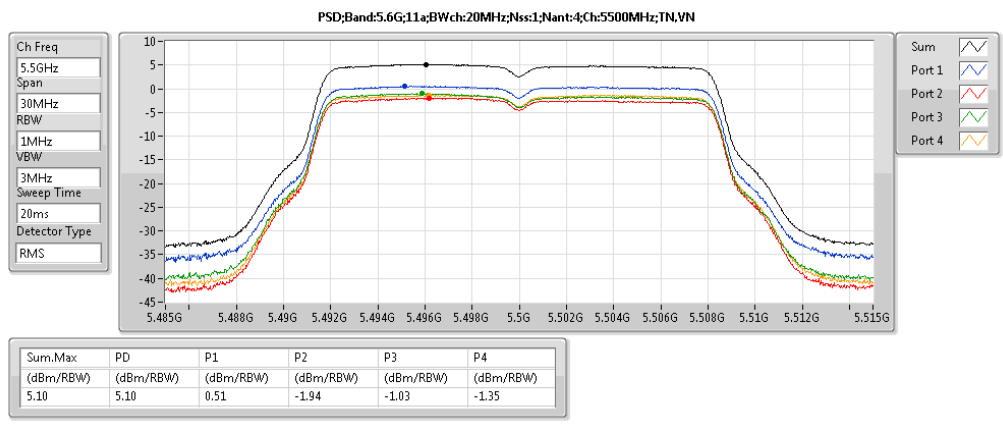
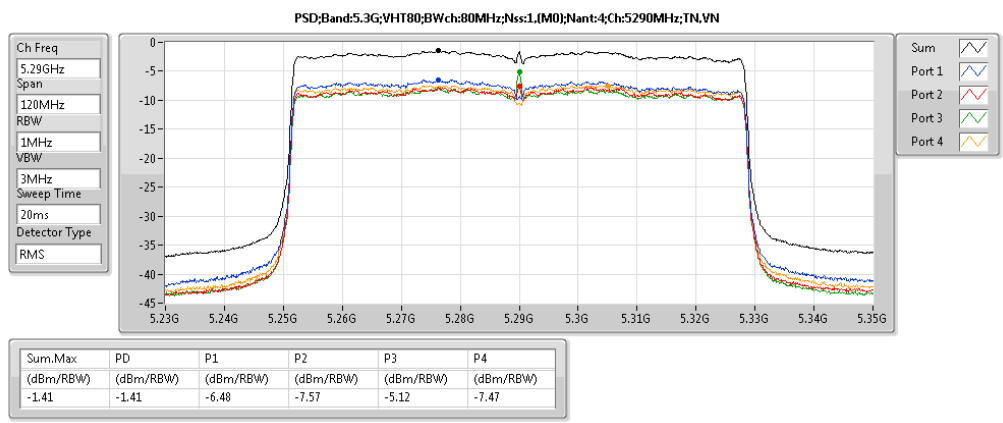
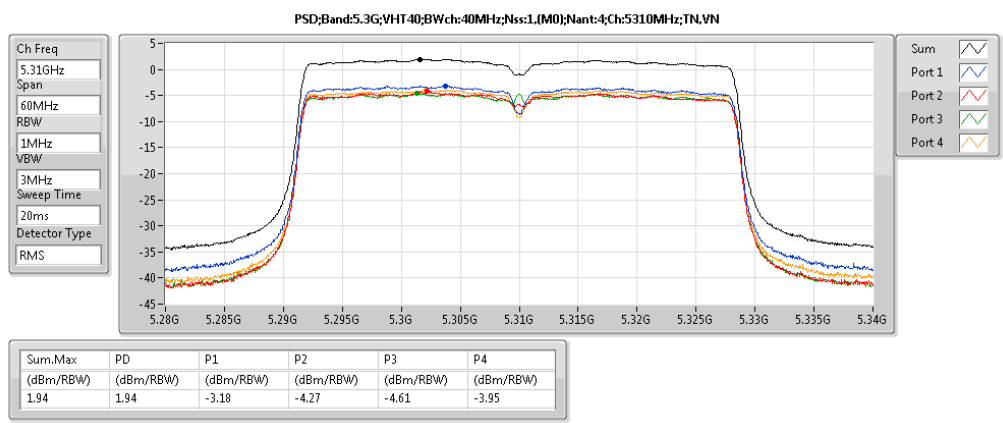
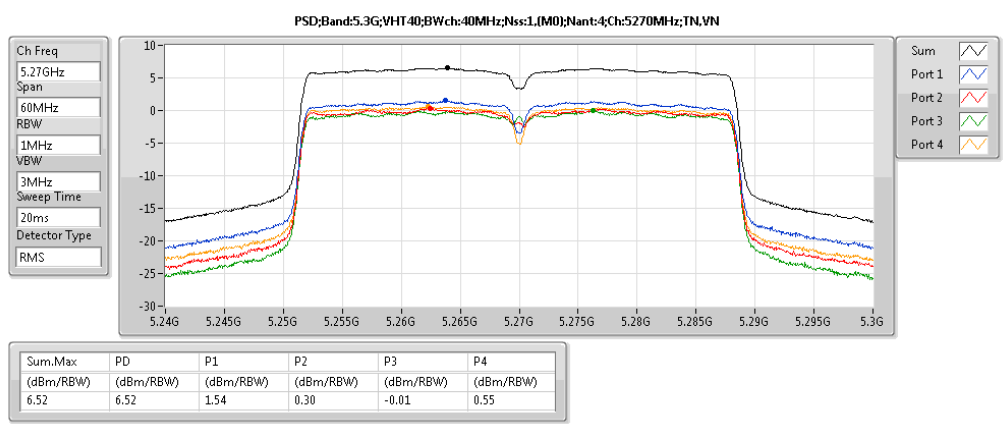
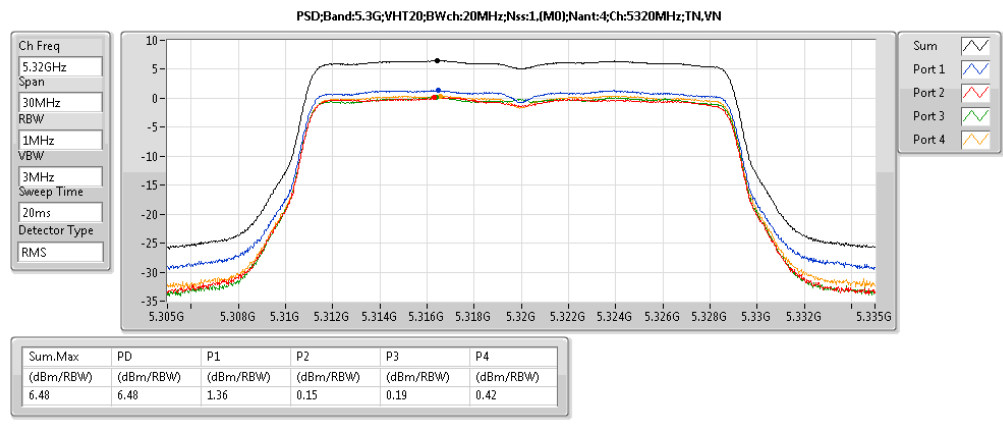
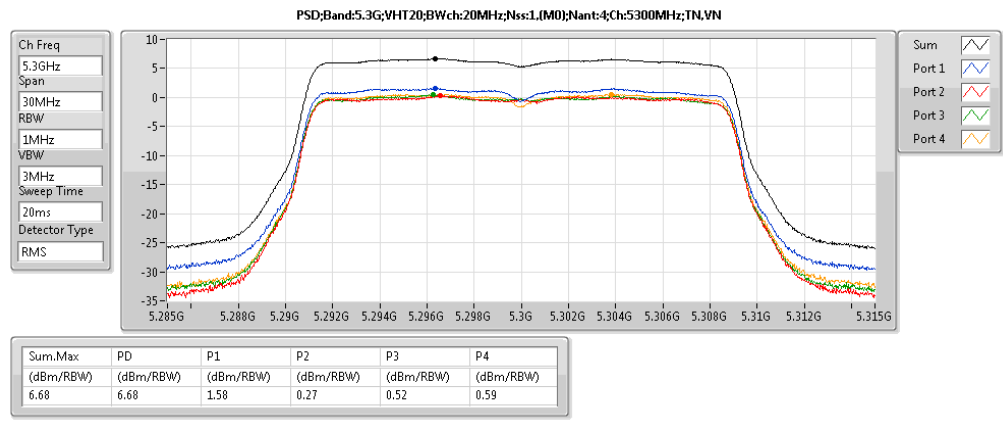
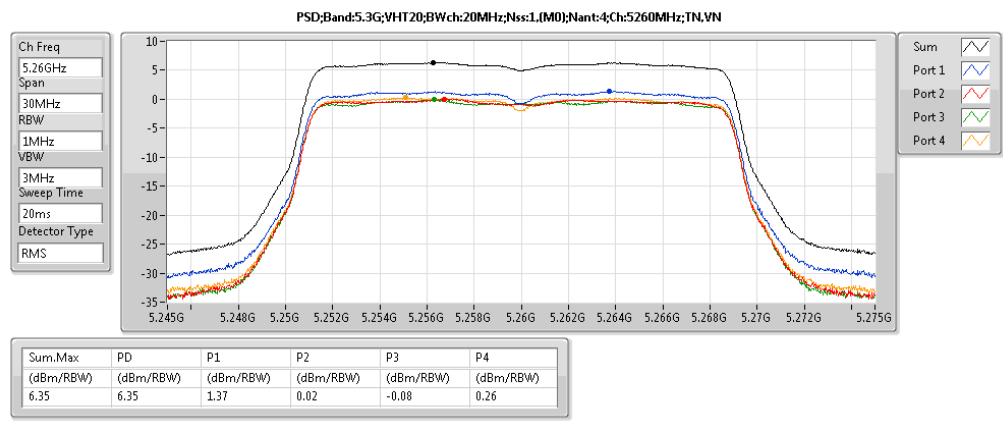
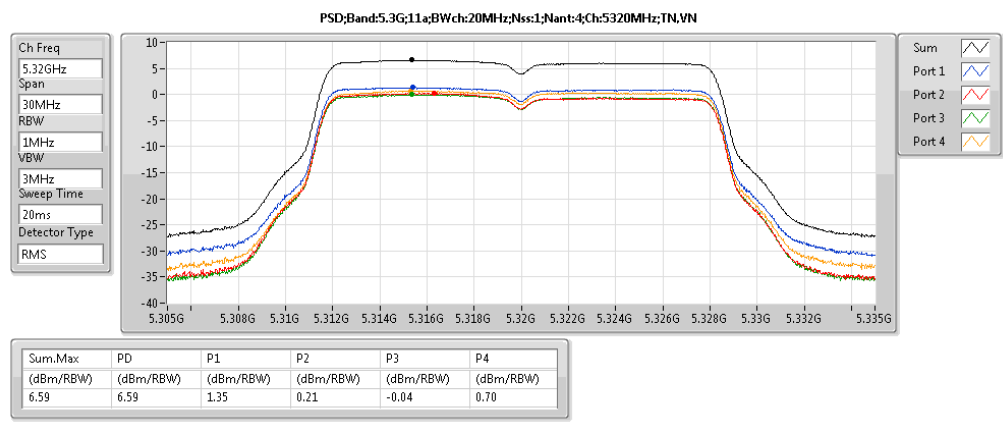
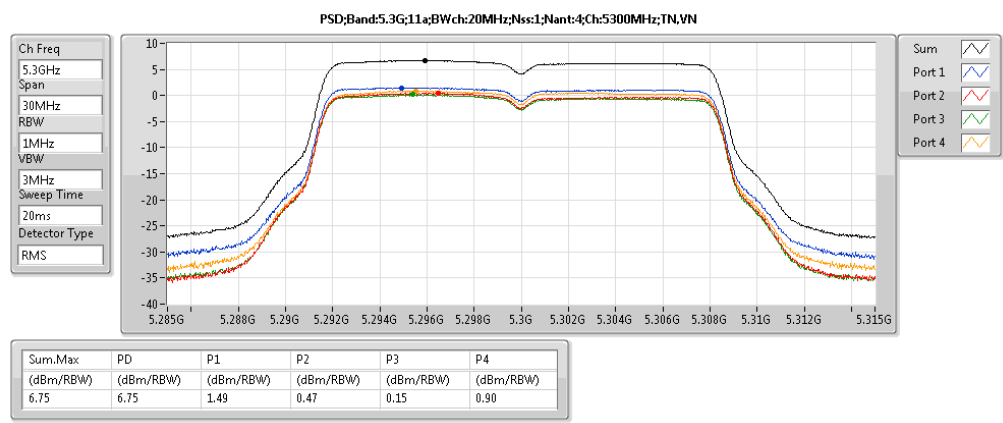
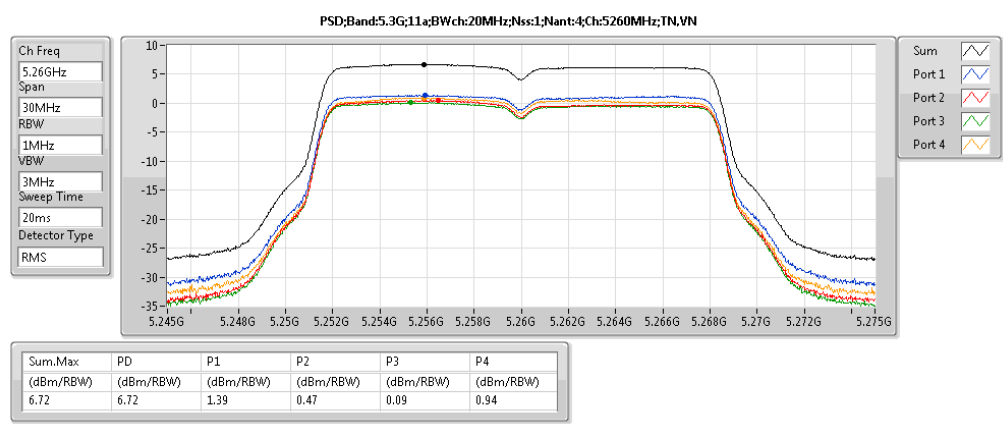
Result

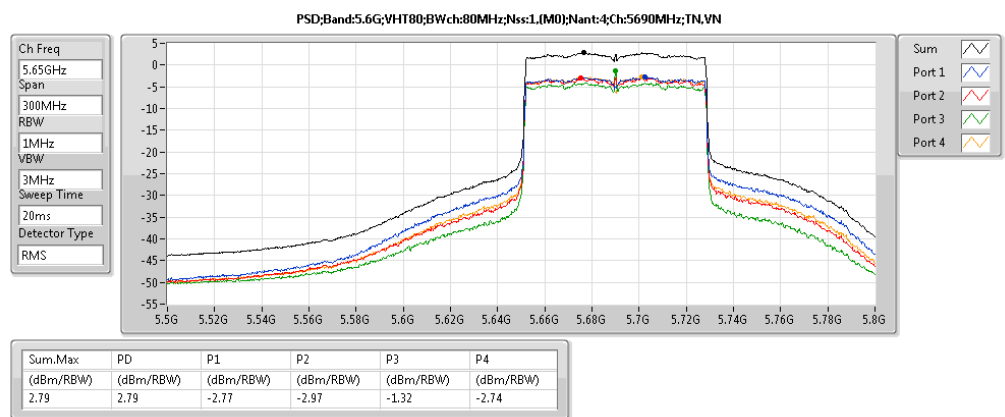
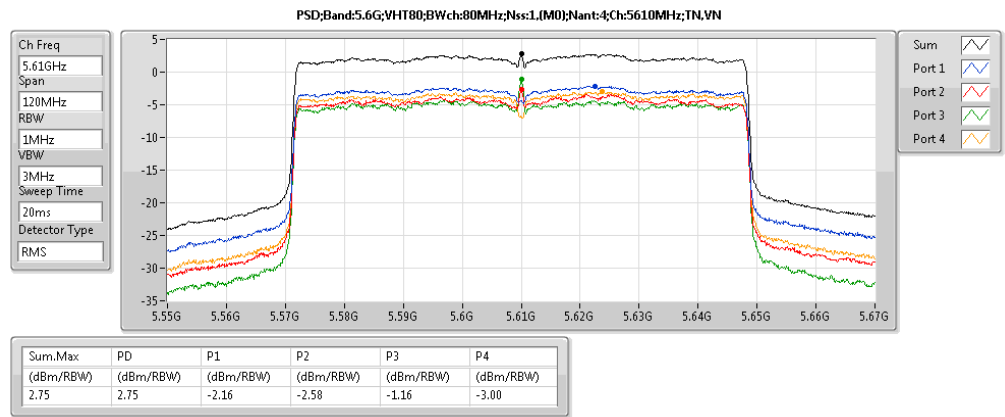
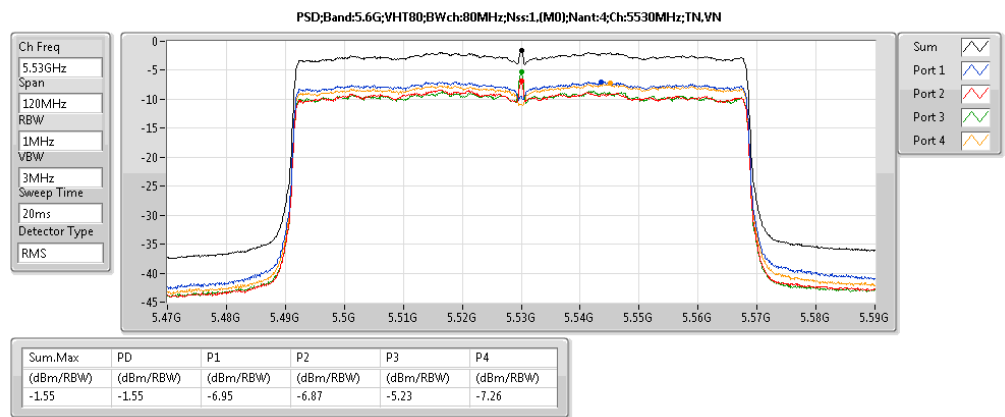
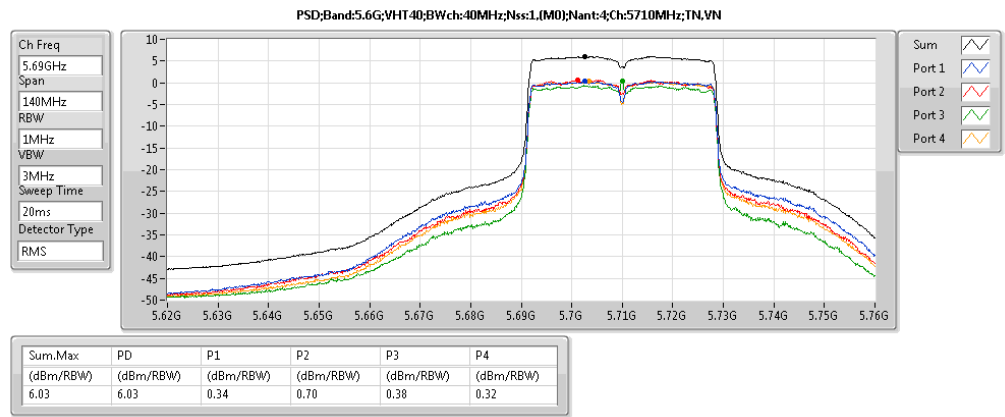
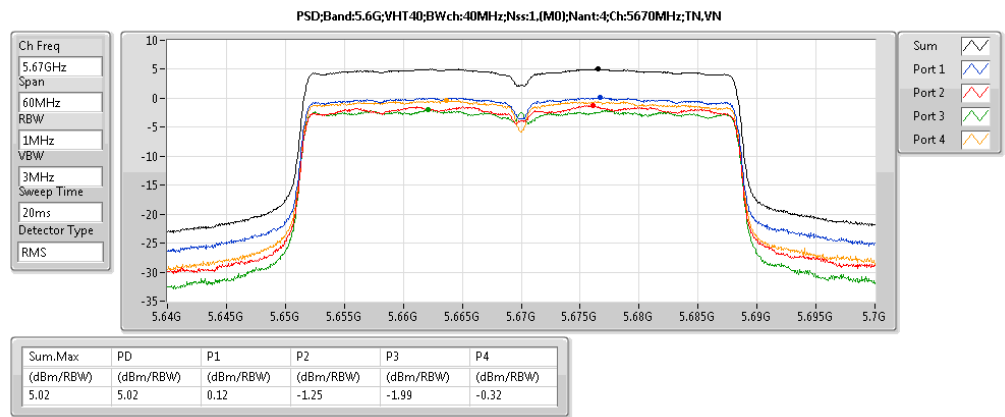
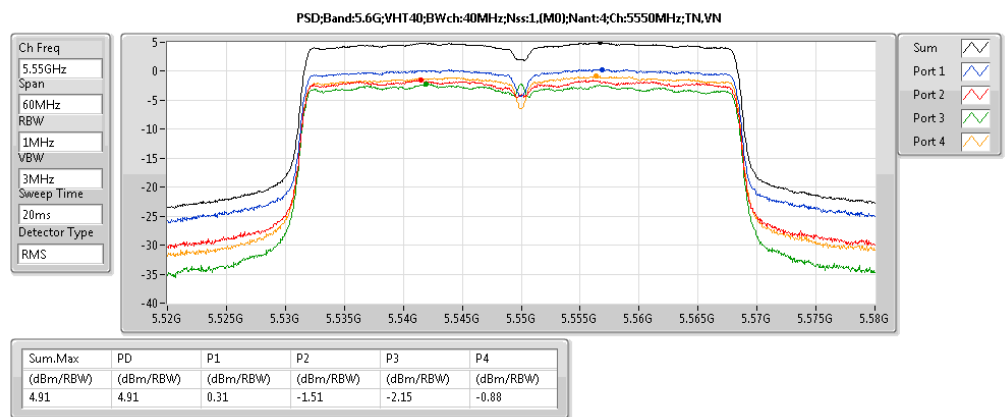
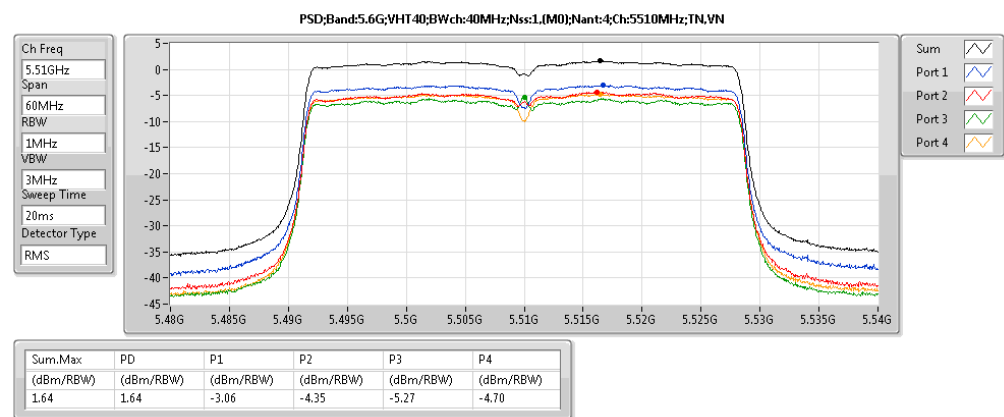
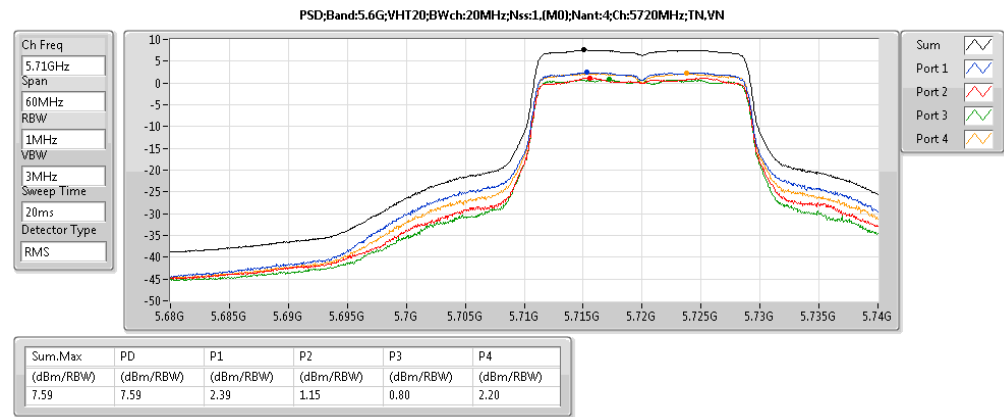
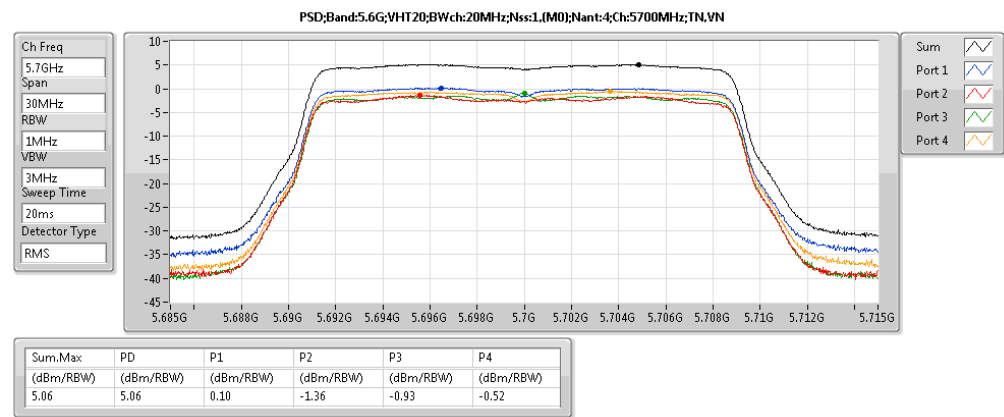
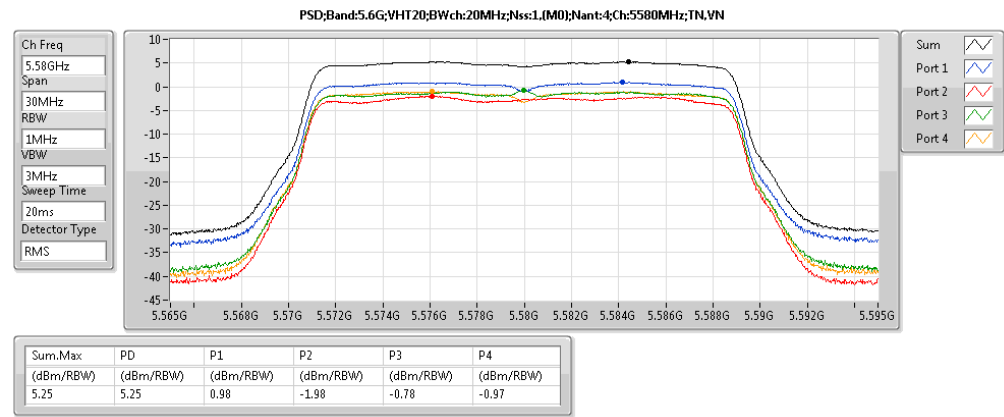
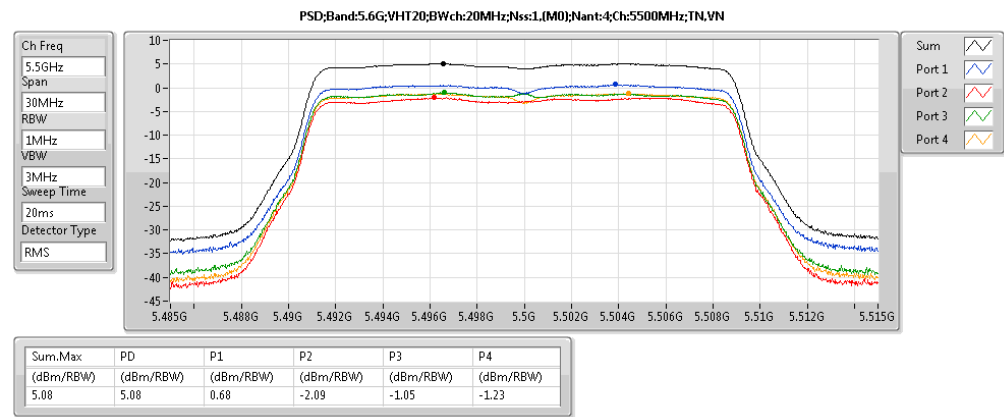
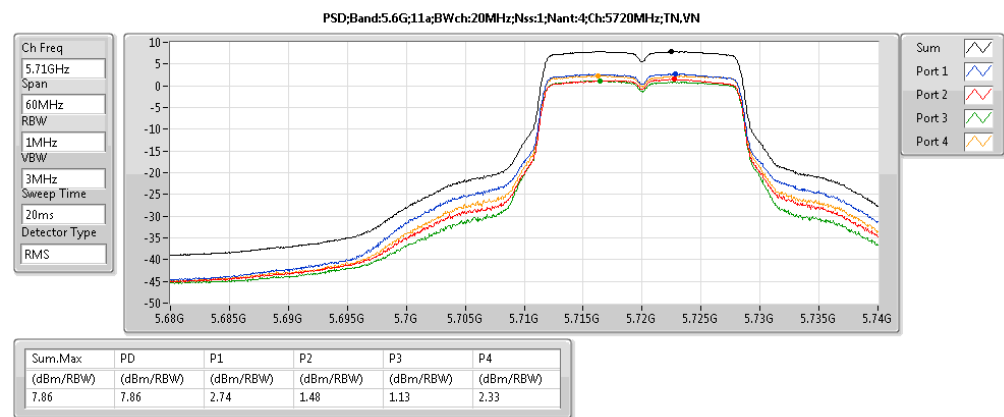
Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.3G;11a;Nss1;Ntx4;5260;TN,VN	Pass	1M	1M	0.00	9.02	6.72	7.98	15.74	Inf	1.39	0.47	0.09	0.94
5.3G;11a;Nss1;Ntx4;5300;TN,VN	Pass	1M	1M	0.00	9.02	6.75	7.98	15.77	Inf	1.49	0.47	0.15	0.90
5.3G;11a;Nss1;Ntx4;5320;TN,VN	Pass	1M	1M	0.00	9.02	6.59	7.98	15.61	Inf	1.35	0.21	-0.04	0.70
5.3G;VHT20;Nss1,(M0);Ntx4;5260;TN,VN	Pass	1M	1M	0.00	9.02	6.35	7.98	15.37	Inf	1.37	0.02	-0.08	0.26
5.3G;VHT20;Nss1,(M0);Ntx4;5300;TN,VN	Pass	1M	1M	0.00	9.02	6.68	7.98	15.70	Inf	1.58	0.27	0.52	0.59
5.3G;VHT20;Nss1,(M0);Ntx4;5320;TN,VN	Pass	1M	1M	0.00	9.02	6.48	7.98	15.50	Inf	1.36	0.15	0.19	0.42
5.3G;VHT40;Nss1,(M0);Ntx4;5270;TN,VN	Pass	1M	1M	0.00	9.02	6.52	7.98	15.54	Inf	1.54	0.30	-0.01	0.55
5.3G;VHT40;Nss1,(M0);Ntx4;5310;TN,VN	Pass	1M	1M	0.00	9.02	1.94	7.98	10.96	Inf	-3.18	-4.27	-4.61	-3.95
5.3G;VHT80;Nss1,(M0);Ntx4;5290;TN,VN	Pass	1M	1M	0.00	9.02	-1.41	7.98	7.61	Inf	-6.48	-7.57	-5.12	-7.47
5.6G;11a;Nss1;Ntx4;5500;TN,VN	Pass	1M	1M	0.00	9.02	5.10	7.98	14.12	Inf	0.51	-1.94	-1.03	-1.35
5.6G;11a;Nss1;Ntx4;5580;TN,VN	Pass	1M	1M	0.00	9.02	5.25	7.98	14.27	Inf	0.92	-1.97	-1.21	-1.16
5.6G;11a;Nss1;Ntx4;5700;TN,VN	Pass	1M	1M	0.00	9.02	5.13	7.98	14.15	Inf	0.34	-1.66	-1.40	-0.88
5.6G;11a;Nss1;Ntx4;5720;TN,VN	Pass	1M	1M	0.00	9.02	7.86	7.98	16.88	Inf	2.74	1.48	1.13	2.33
5.6G;VHT20;Nss1,(M0);Ntx4;5500;TN,VN	Pass	1M	1M	0.00	9.02	5.08	7.98	14.10	Inf	0.68	-2.09	-1.05	-1.23
5.6G;VHT20;Nss1,(M0);Ntx4;5580;TN,VN	Pass	1M	1M	0.00	9.02	5.25	7.98	14.27	Inf	0.98	-1.98	-0.78	-0.97
5.6G;VHT20;Nss1,(M0);Ntx4;5700;TN,VN	Pass	1M	1M	0.00	9.02	5.06	7.98	14.08	Inf	0.10	-1.36	-0.93	-0.52
5.6G;VHT20;Nss1,(M0);Ntx4;5720;TN,VN	Pass	1M	1M	0.00	9.02	7.59	7.98	16.61	Inf	2.39	1.15	0.80	2.20
5.6G;VHT40;Nss1,(M0);Ntx4;5510;TN,VN	Pass	1M	1M	0.00	9.02	1.64	7.98	10.66	Inf	-3.06	-4.35	-5.27	-4.70
5.6G;VHT40;Nss1,(M0);Ntx4;5550;TN,VN	Pass	1M	1M	0.00	9.02	4.91	7.98	13.93	Inf	0.31	-1.51	-2.15	-0.88
5.6G;VHT40;Nss1,(M0);Ntx4;5670;TN,VN	Pass	1M	1M	0.00	9.02	5.02	7.98	14.04	Inf	0.12	-1.25	-1.99	-0.32
5.6G;VHT40;Nss1,(M0);Ntx4;5710;TN,VN	Pass	1M	1M	0.00	9.02	6.03	7.98	15.05	Inf	0.34	0.70	0.38	0.32
5.6G;VHT80;Nss1,(M0);Ntx4;5530;TN,VN	Pass	1M	1M	0.00	9.02	-1.55	7.98	7.47	Inf	-6.95	-6.87	-5.23	-7.26
5.6G;VHT80;Nss1,(M0);Ntx4;5610;TN,VN	Pass	1M	1M	0.00	9.02	2.75	7.98	11.78	Inf	-2.16	-2.58	-1.16	-3.00
5.6G;VHT80;Nss1,(M0);Ntx4;5690;TN,VN	Pass	1M	1M	0.00	9.02	2.79	7.98	11.81	Inf	-2.77	-2.97	-1.32	-2.74
5.8G;11a;Nss1;Ntx4;5720;TN,VN	Pass	500k	500k	0.00	9.02	6.16	26.98	15.18	32.98	1.09	-0.38	-0.93	0.77
5.8G;VHT20;Nss1,(M0);Ntx4;5720;TN,VN	Pass	500k	500k	0.00	9.02	6.01	26.98	15.03	32.98	0.97	-0.43	-1.16	0.39
5.8G;VHT40;Nss1,(M0);Ntx4;5710;TN,VN	Pass	500k	500k	0.00	9.02	3.87	26.98	12.89	32.98	-1.75	-1.70	-2.97	-2.02
5.8G;VHT80;Nss1,(M0);Ntx4;5690;TN,VN	Pass	500k	500k	0.00	9.02	0.49	26.98	9.51	32.98	-4.78	-5.62	-6.37	-5.04
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260;TN,VN	Pass	1M	1M	0.00	9.02	4.64	7.98	13.66	Inf	-0.51	-1.66	-1.53	-1.30
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300;TN,VN	Pass	1M	1M	0.00	9.02	4.73	7.98	13.75	Inf	-0.44	-1.45	-1.60	-1.34
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320;TN,VN	Pass	1M	1M	0.00	9.02	4.60	7.98	13.62	Inf	-0.70	-1.66	-1.66	-1.29
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270;TN,VN	Pass	1M	1M	0.00	9.02	1.65	7.98	10.67	Inf	-3.28	-4.61	-4.69	-4.24
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310;TN,VN	Pass	1M	1M	0.00	9.02	1.71	7.98	10.73	Inf	-3.39	-4.50	-4.71	-4.25
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290;TN,VN	Pass	1M	1M	0.00	9.02	-2.45	7.98	6.57	Inf	-7.55	-7.57	-6.32	-8.52
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500;TN,VN	Pass	1M	1M	0.00	9.02	4.86	7.98	13.88	Inf	0.25	-2.21	-1.19	-1.58
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580;TN,VN	Pass	1M	1M	0.00	9.02	4.97	7.98	13.99	Inf	0.50	-2.14	-0.86	-1.21
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700;TN,VN	Pass	1M	1M	0.00	9.02	4.68	7.98	13.70	Inf	-0.19	-1.72	-1.12	-1.04
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720;TN,VN	Pass	1M	1M	0.00	9.02	7.60	7.98	16.62	Inf	2.58	1.16	0.77	2.17
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510;TN,VN	Pass	1M	1M	0.00	9.02	1.64	7.98	10.66	Inf	-2.99	-4.29	-5.12	-4.65
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550;TN,VN	Pass	1M	1M	0.00	9.02	1.76	7.98	10.78	Inf	-2.78	-4.57	-4.71	-4.30
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670;TN,VN	Pass	1M	1M	0.00	9.02	1.68	7.98	10.70	Inf	-3.01	-4.84	-3.52	-3.75
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710;TN,VN	Pass	1M	1M	0.00	9.02	4.79	7.98	13.81	Inf	-0.10	-1.58	-1.34	-0.86
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530;TN,VN	Pass	1M	1M	0.00	9.02	-0.54	7.98	8.48	Inf	-6.60	-6.96	-3.64	-7.01
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610;TN,VN	Pass	1M	1M	0.00	9.02	-0.54	7.98	8.48	Inf	-5.57	-6.46	-4.49	-6.55
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690;TN,VN	Pass	1M	1M	0.00	9.02	1.65	7.98	10.67	Inf	-3.29	-4.72	-2.56	-3.78
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720;TN,VN	Pass	500k	500k	0.00	9.02	6.04	26.98	15.06	32.98	0.96	-0.24	-1.09	0.28
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710;TN,VN	Pass	500k	500k	0.00	9.02	2.72	26.98	11.74	32.98	-2.31	-3.56	-4.19	-3.09
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690;TN,VN	Pass	500k	500k	0.00	9.02	-0.61	26.98	8.41	32.98	-5.68	-7.33	-7.46	-6.12

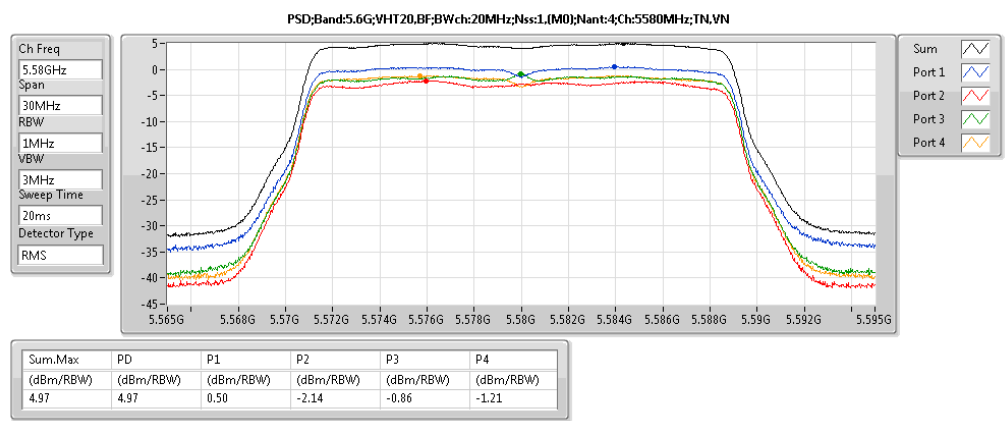
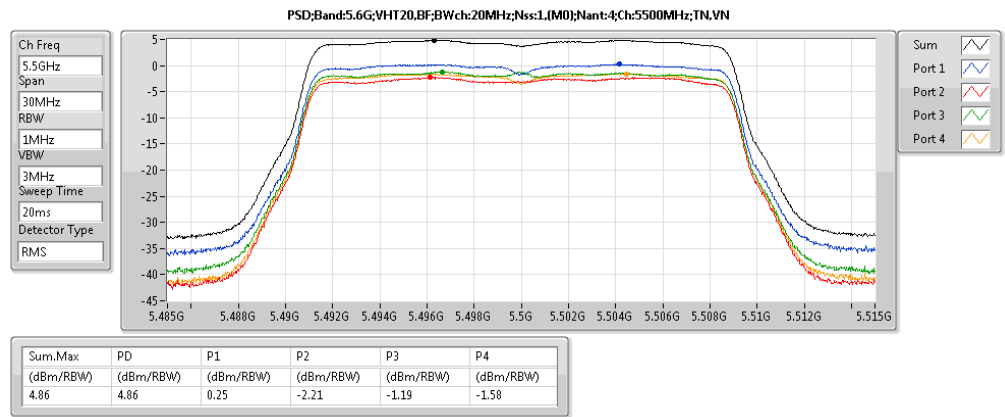
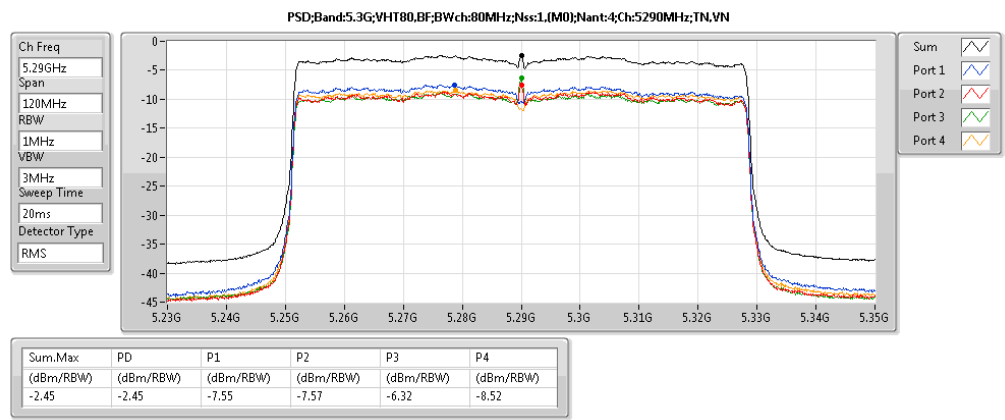
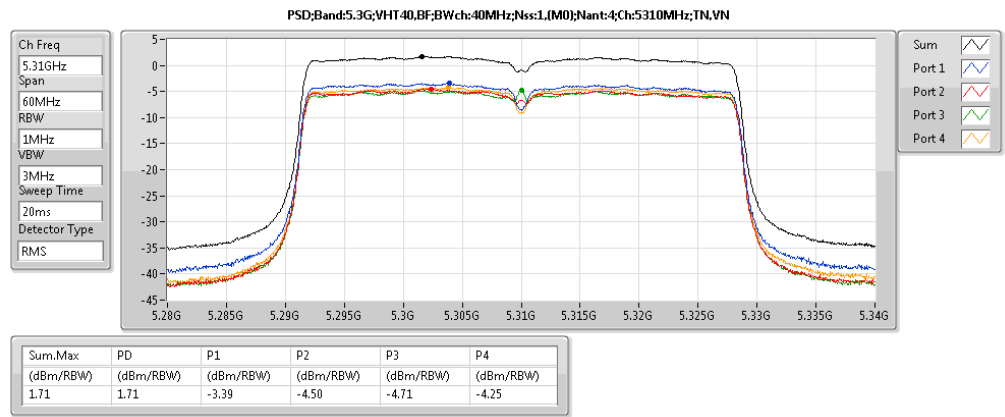
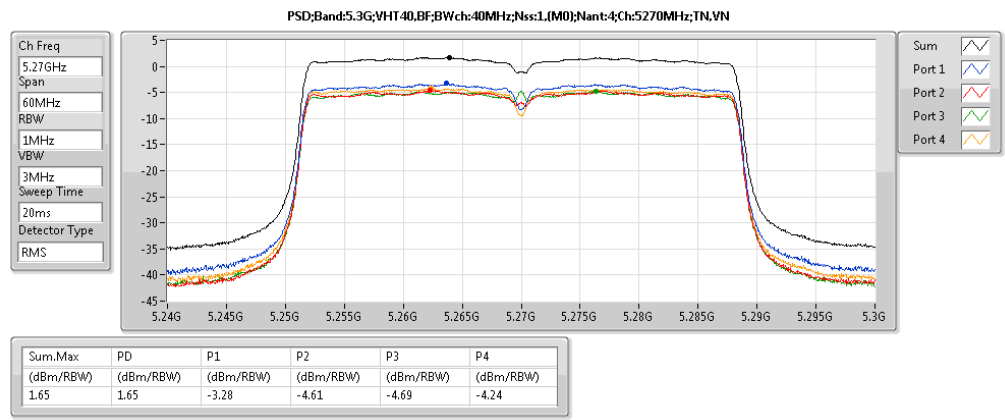
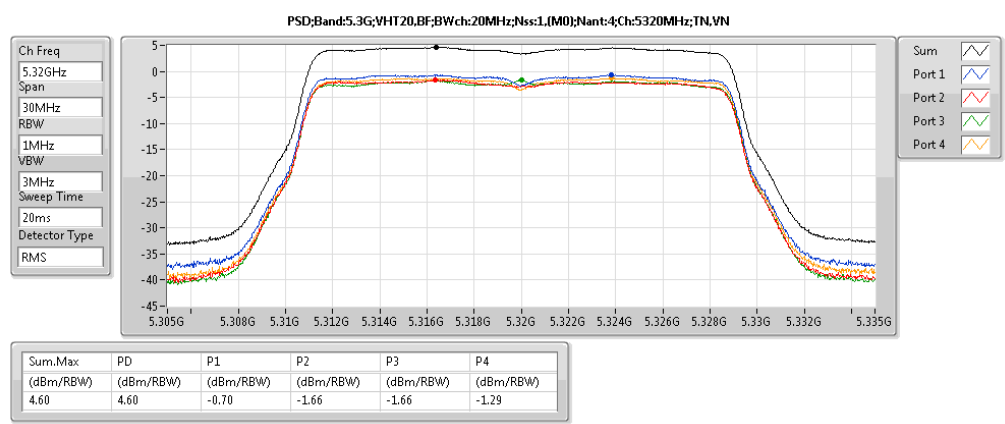
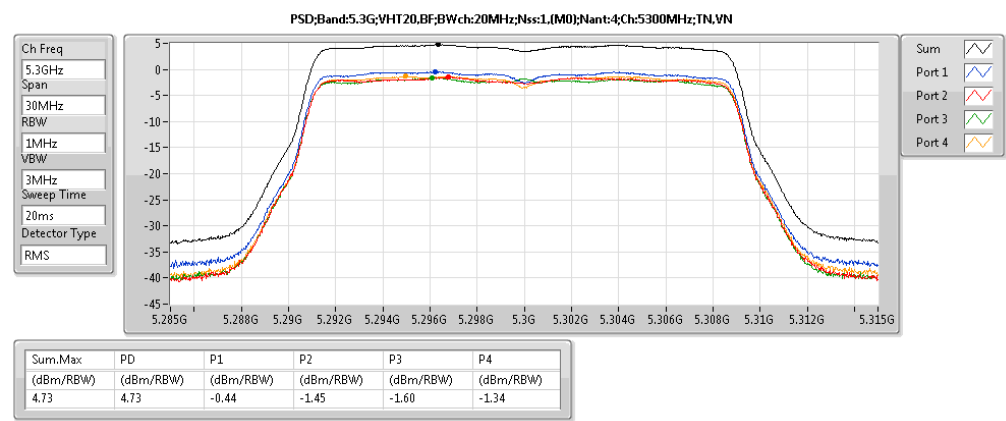
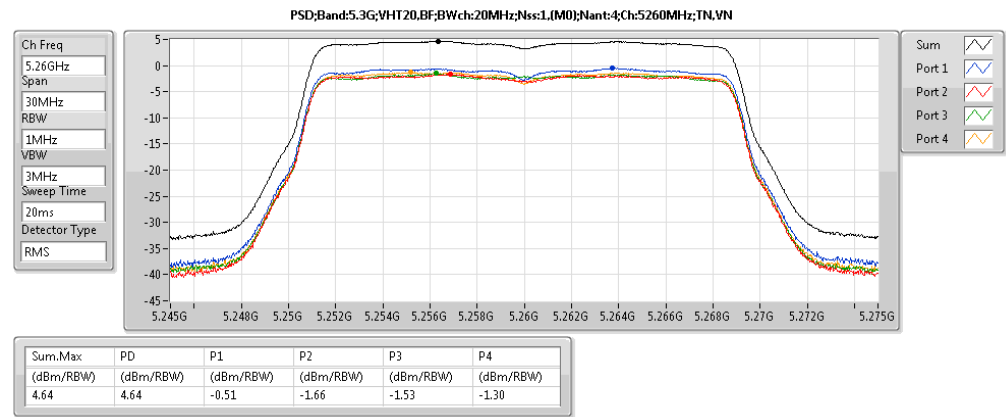
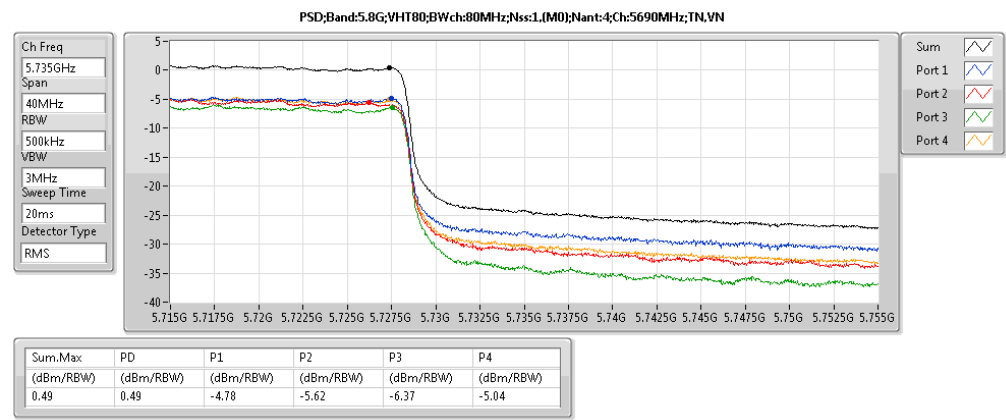
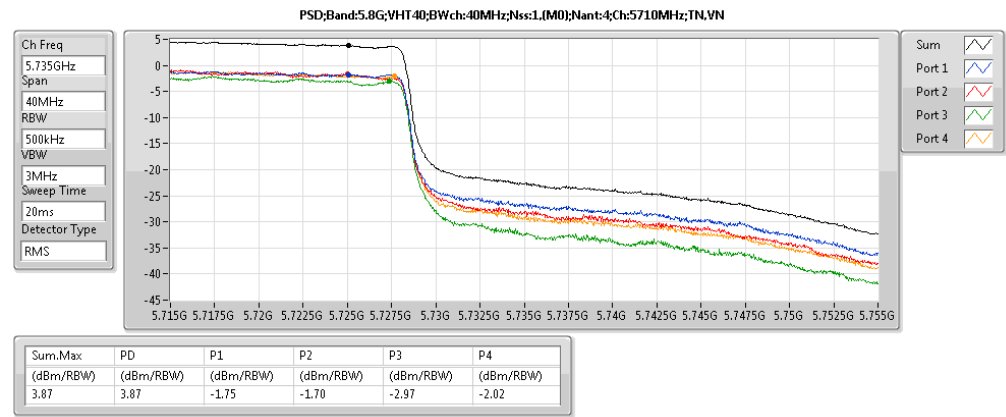
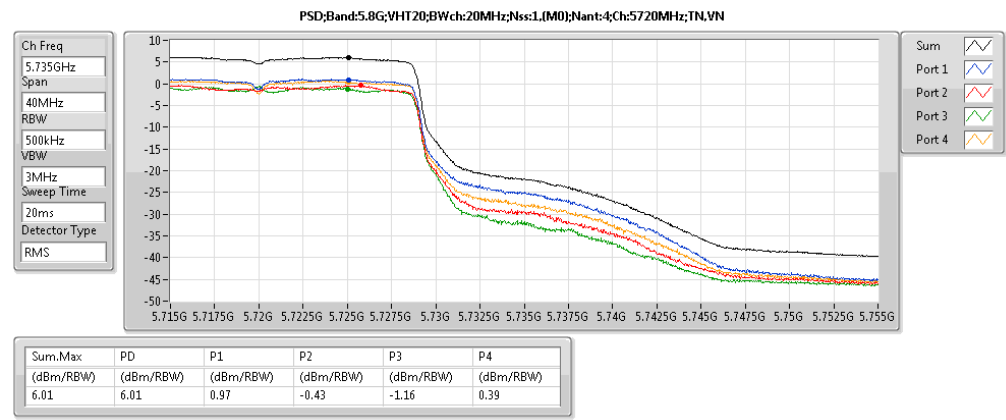
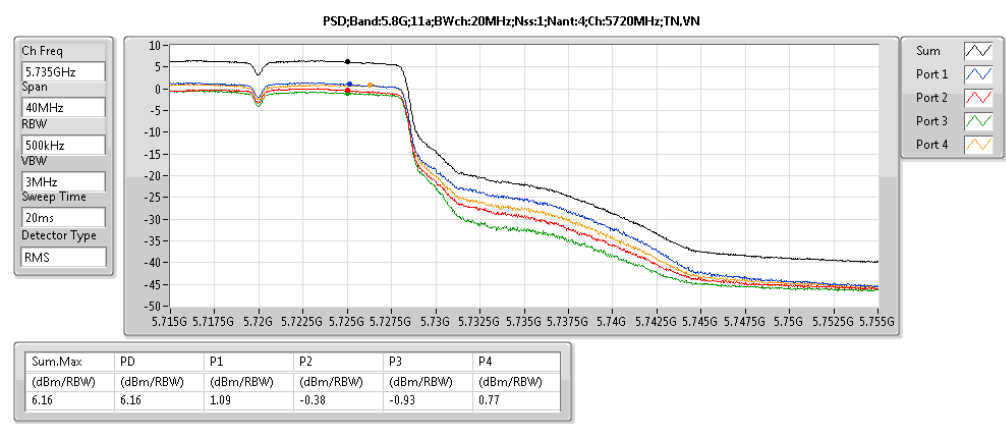


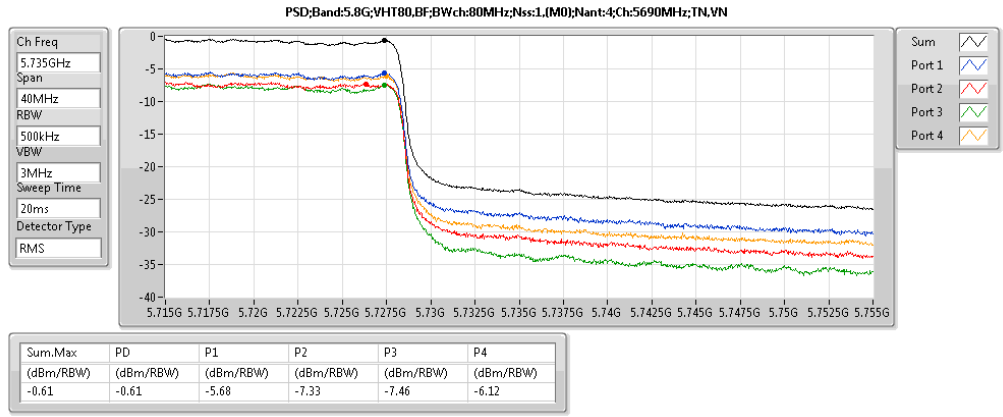
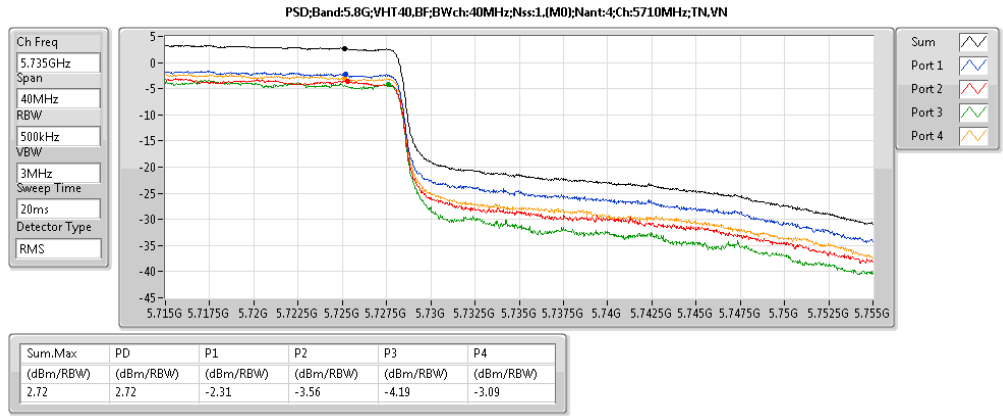
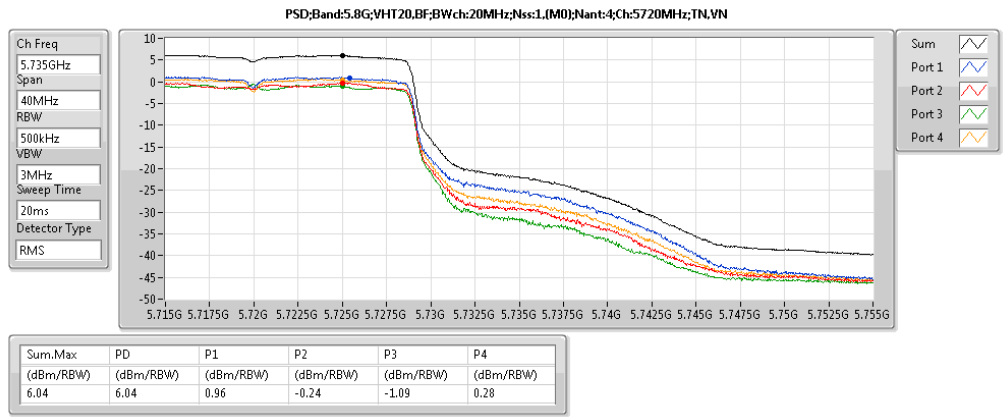
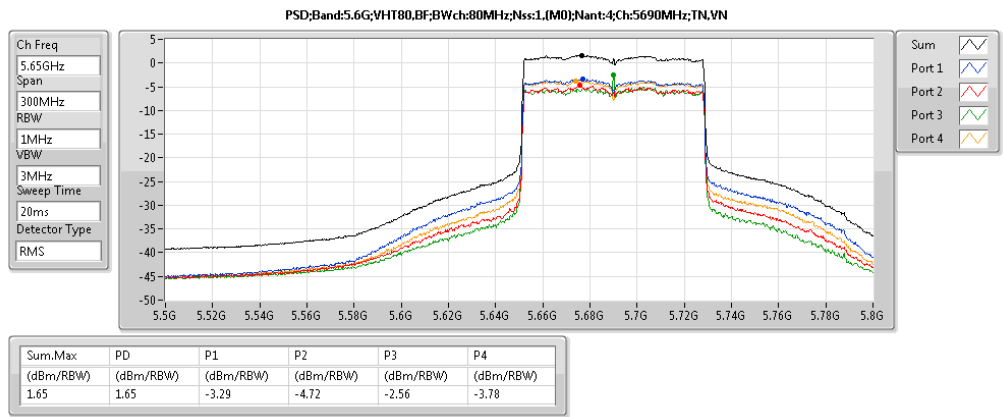
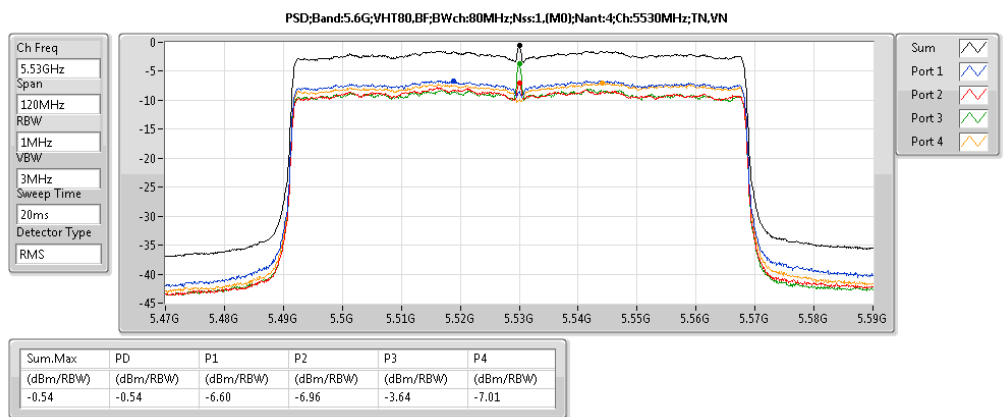
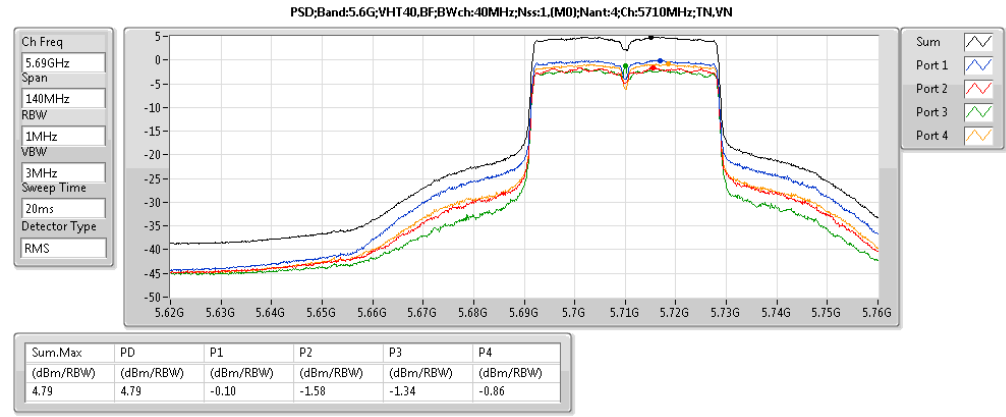
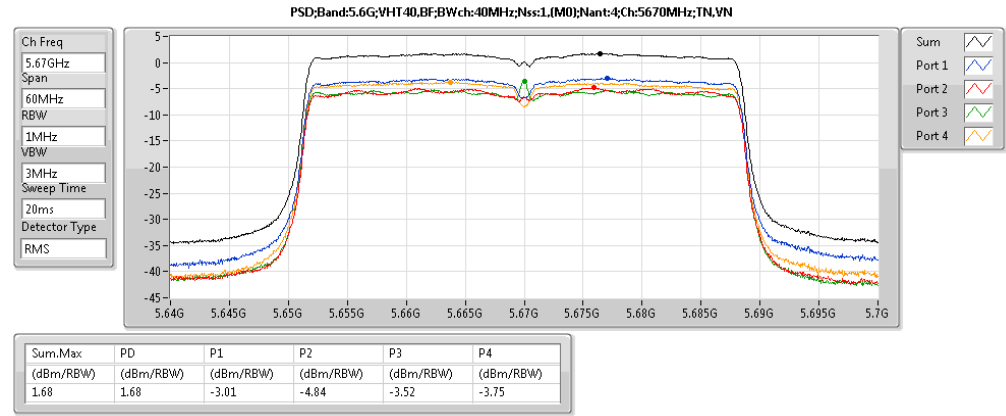
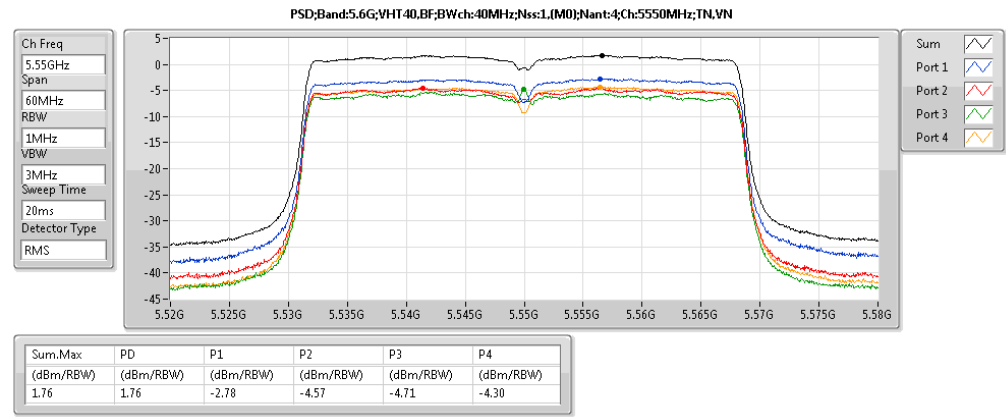
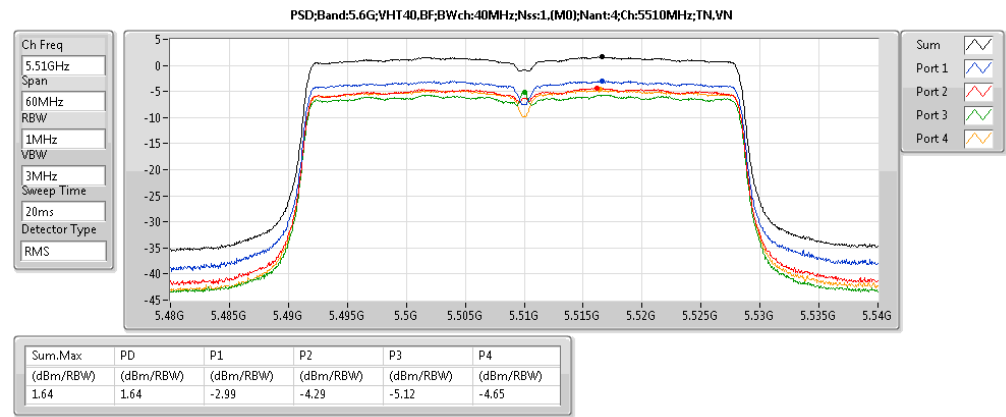
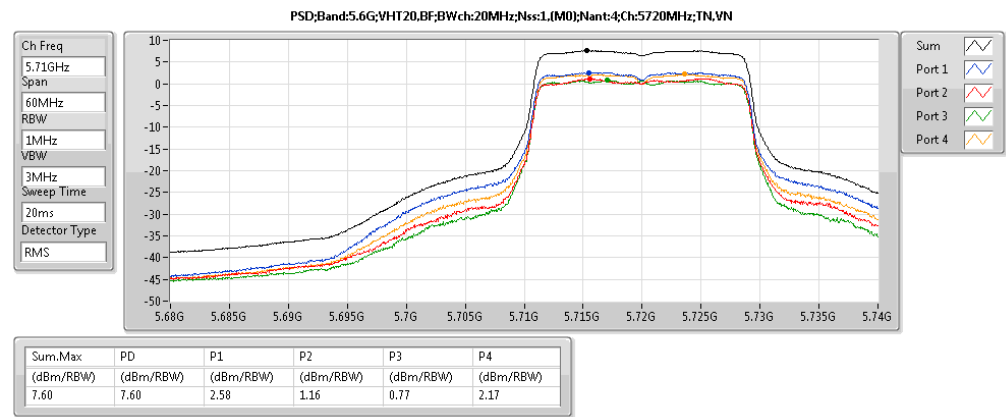
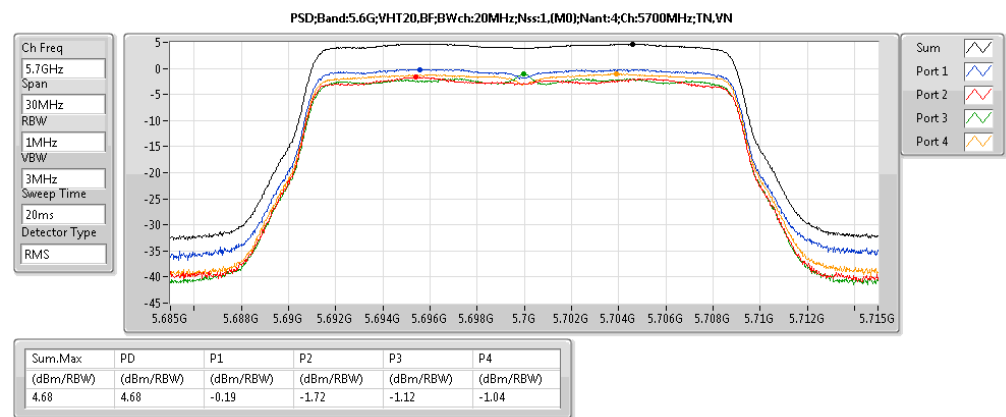
Antenna 1 PSD Result

Appendix D











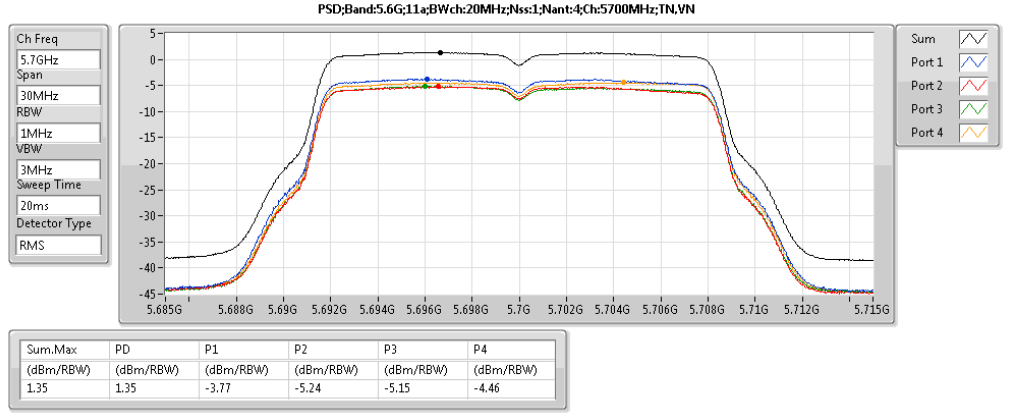
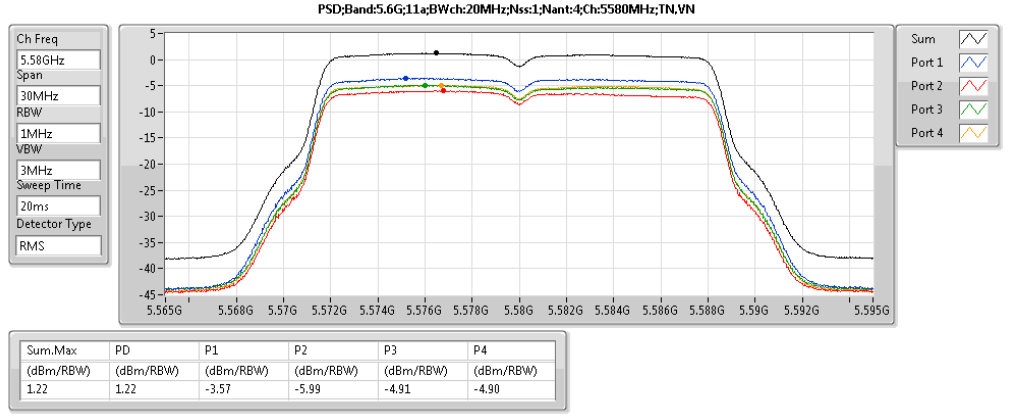
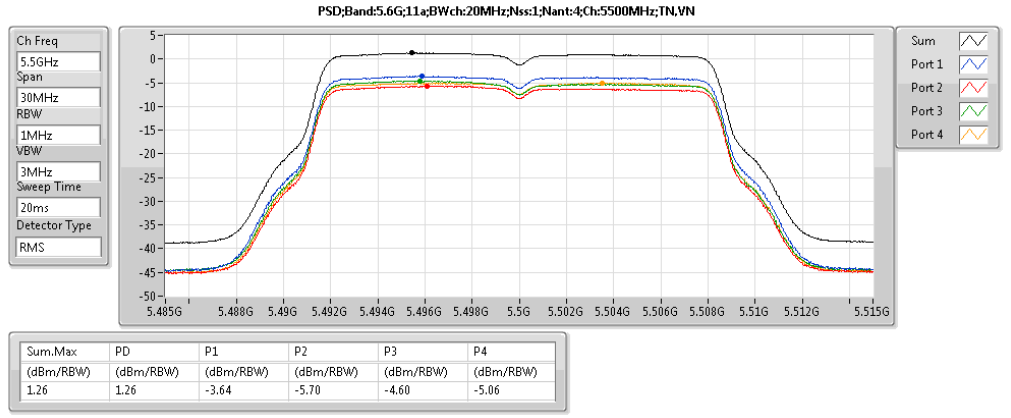
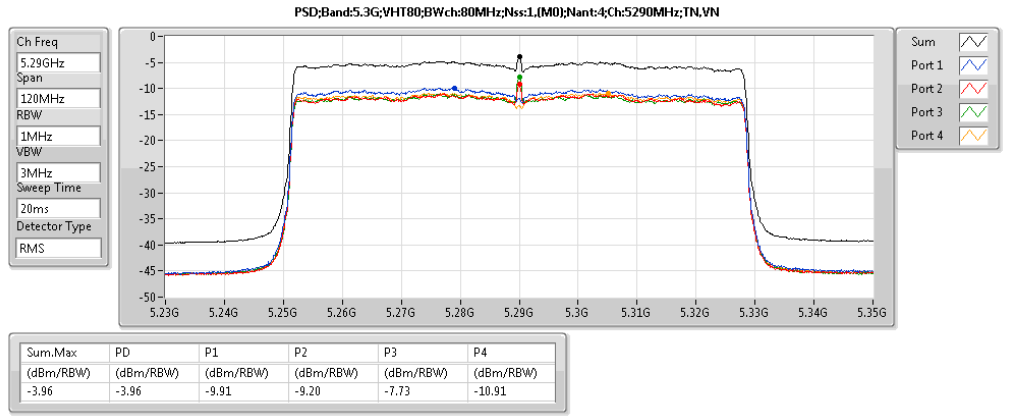
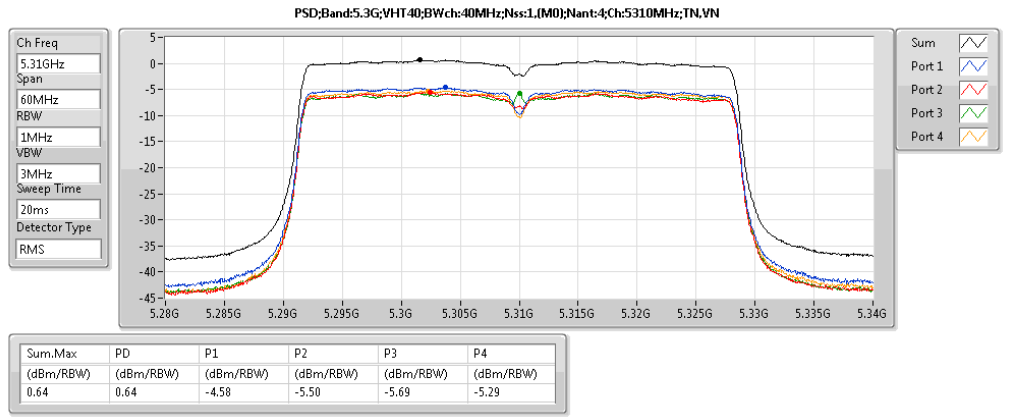
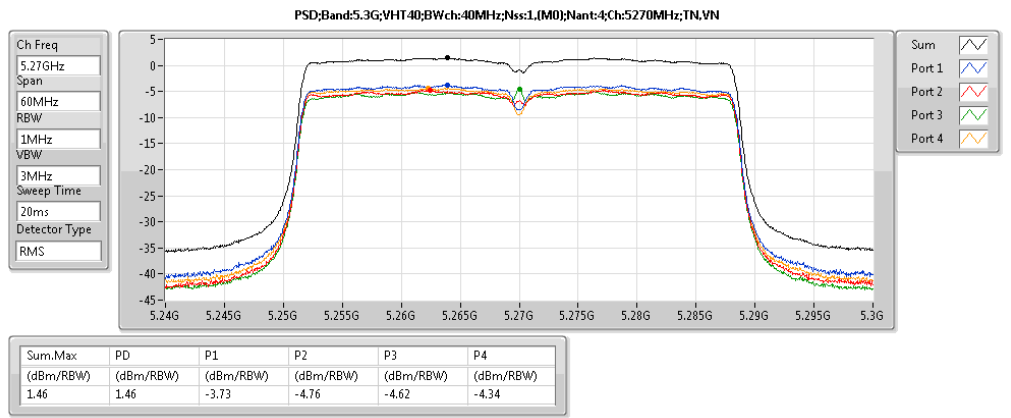
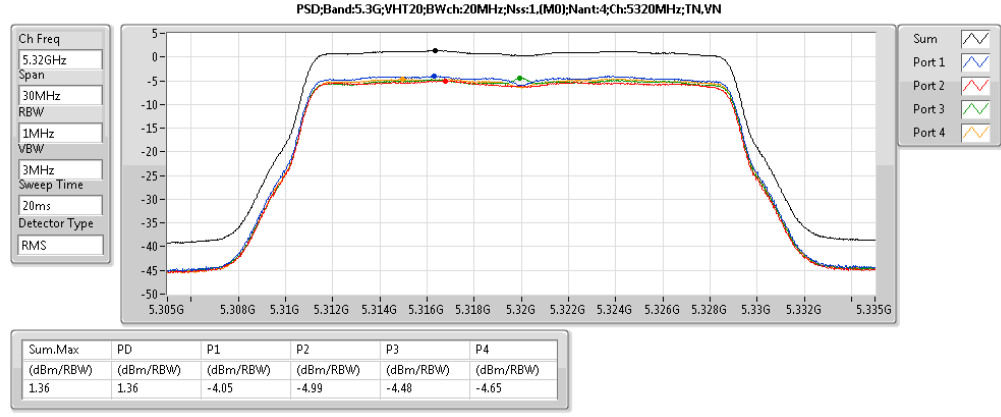
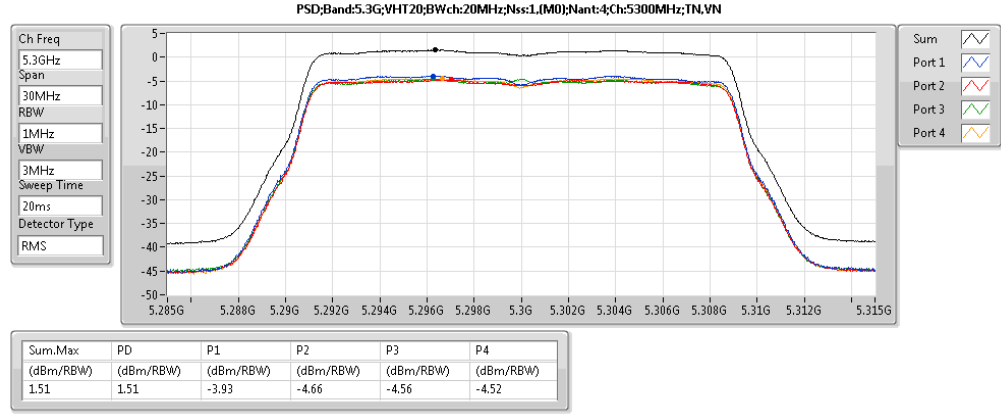
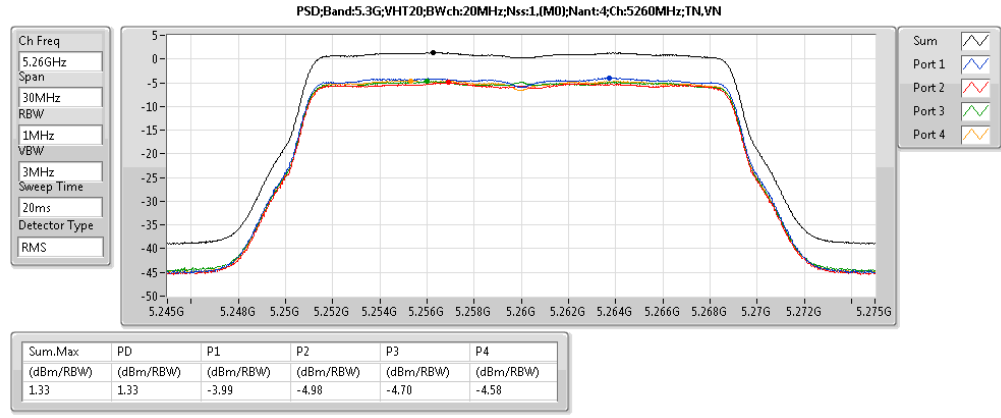
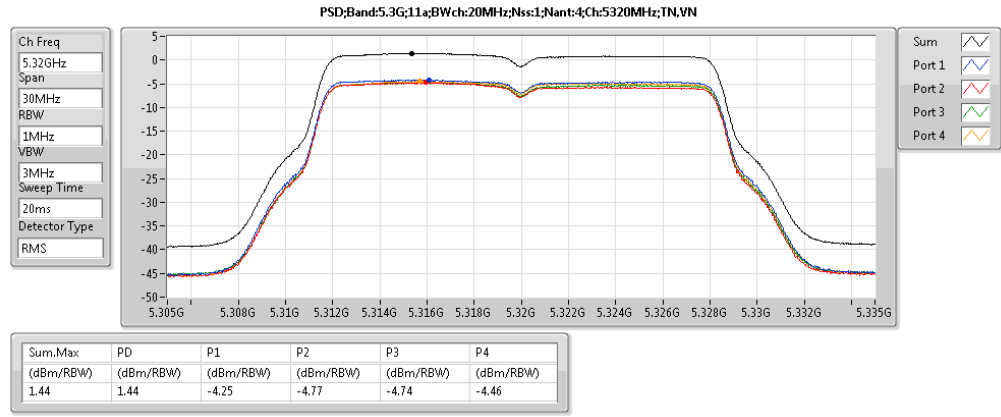
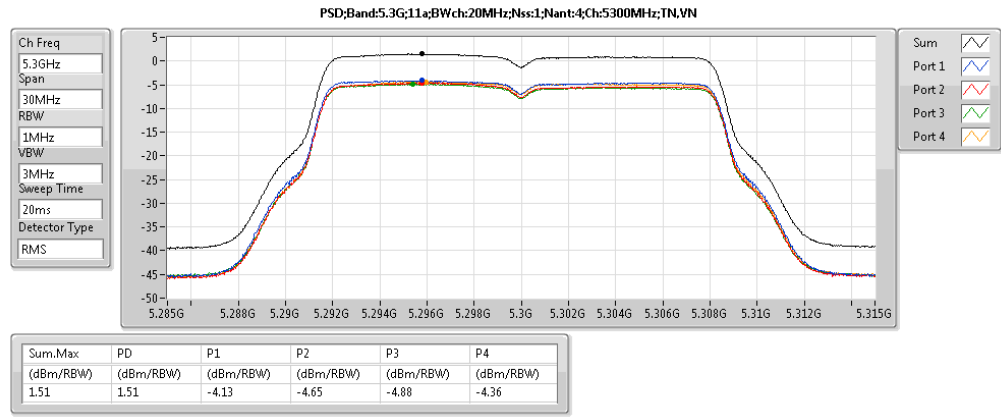
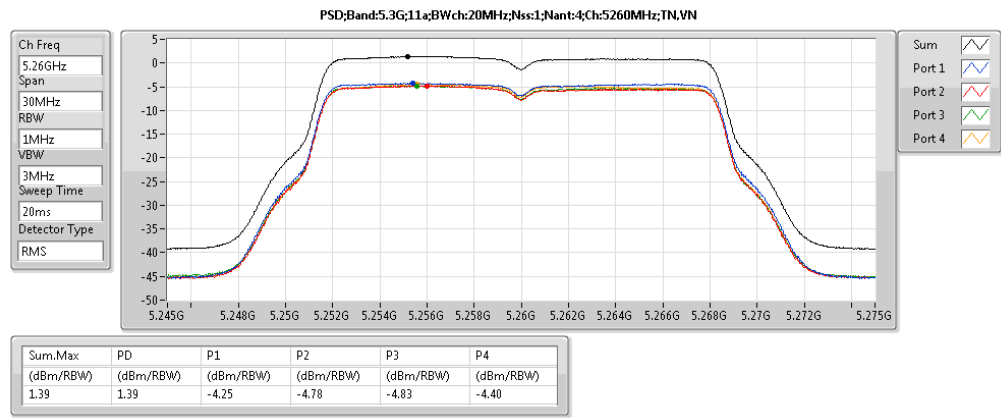
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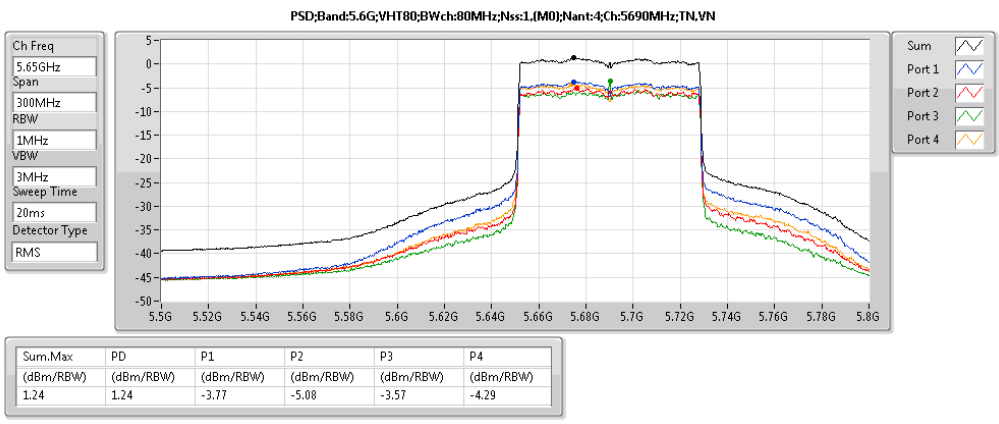
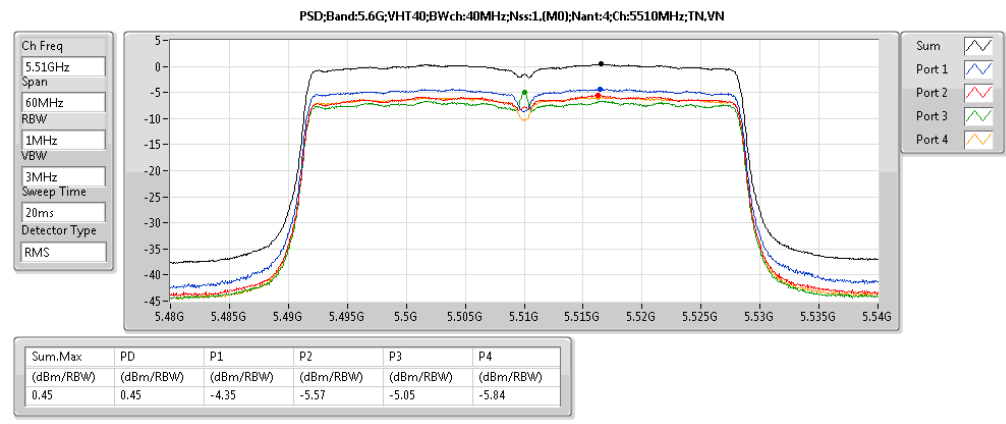
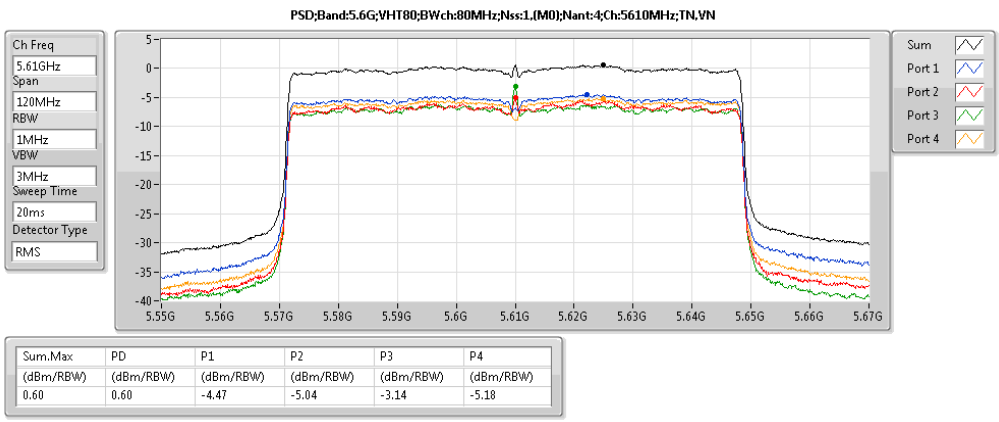
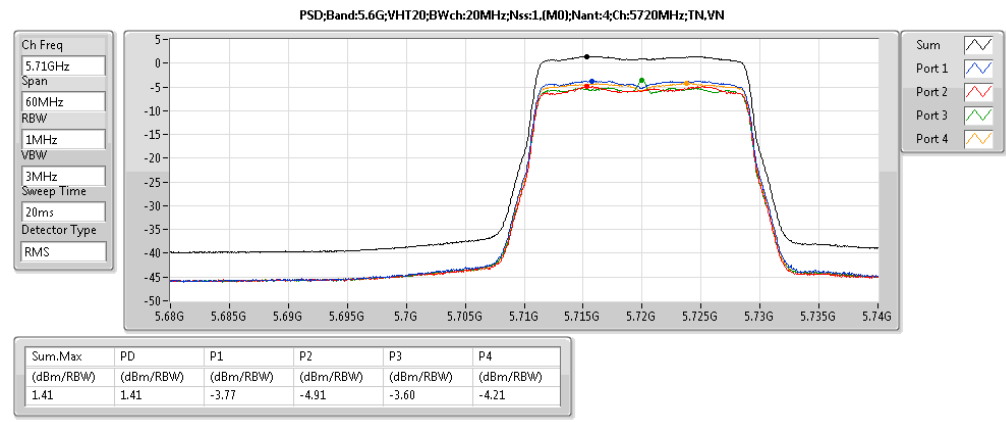
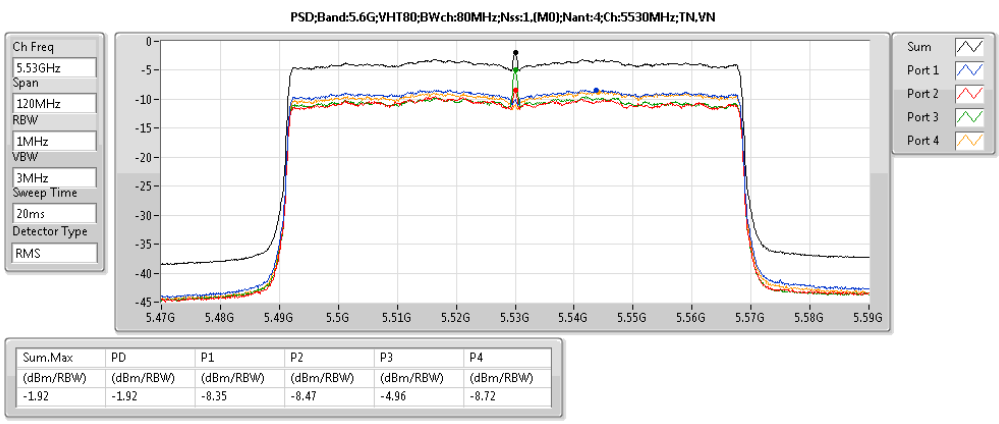
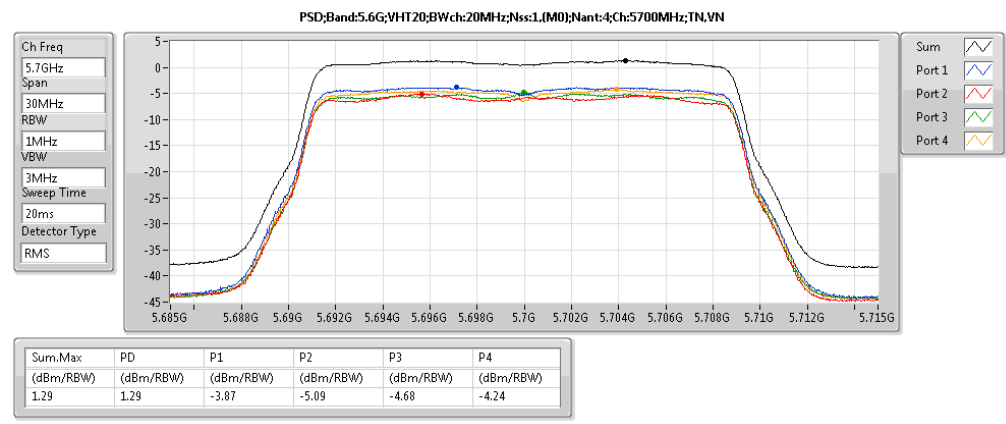
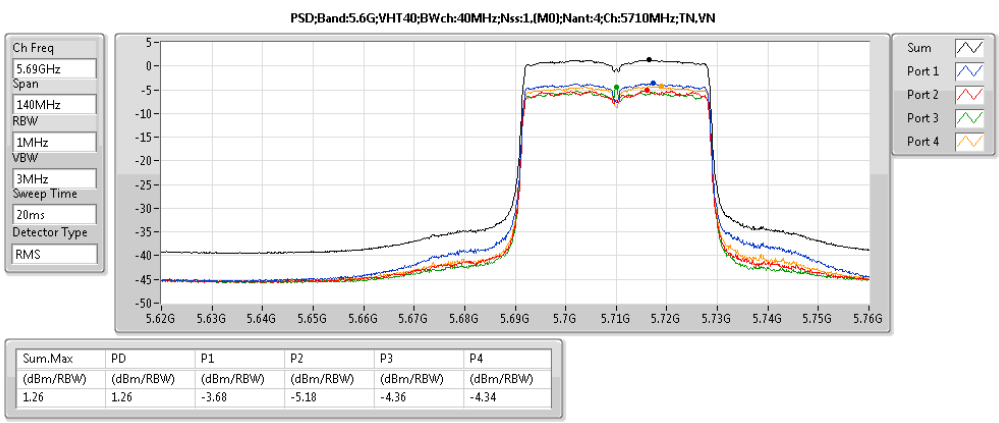
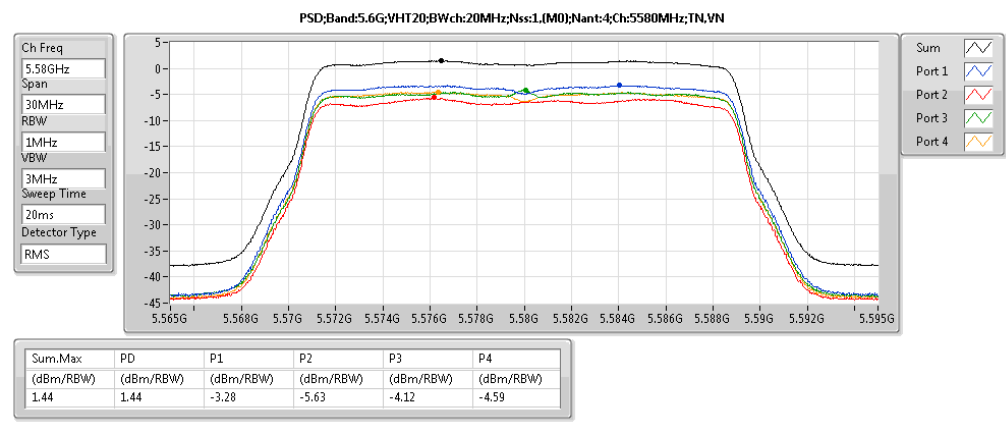
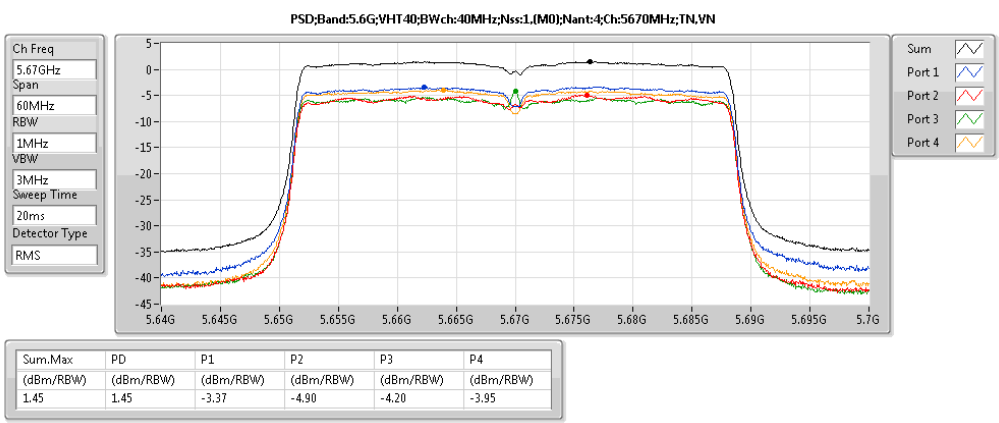
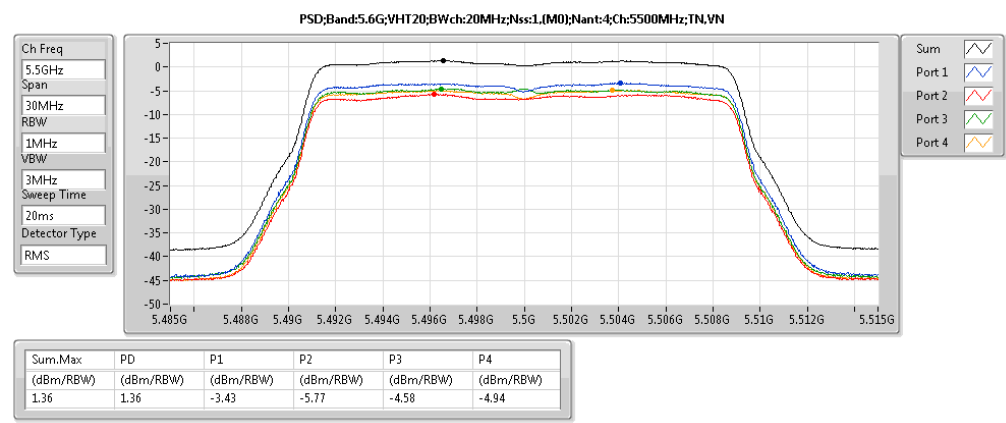
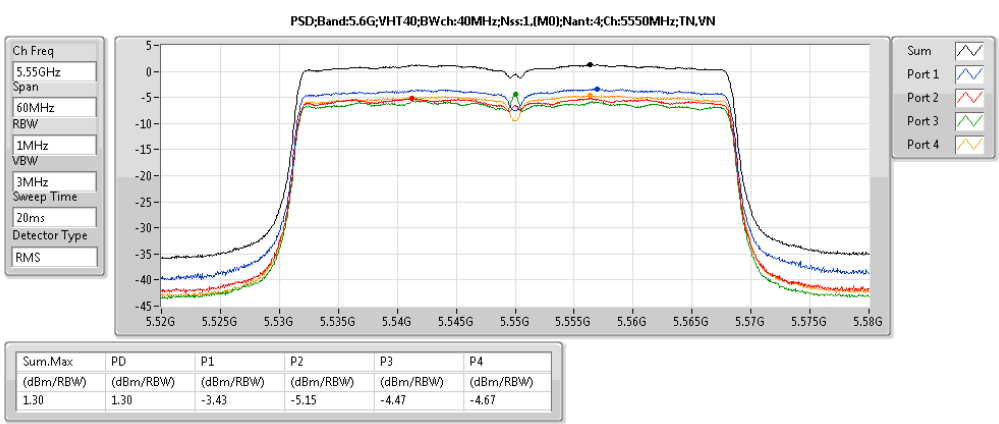
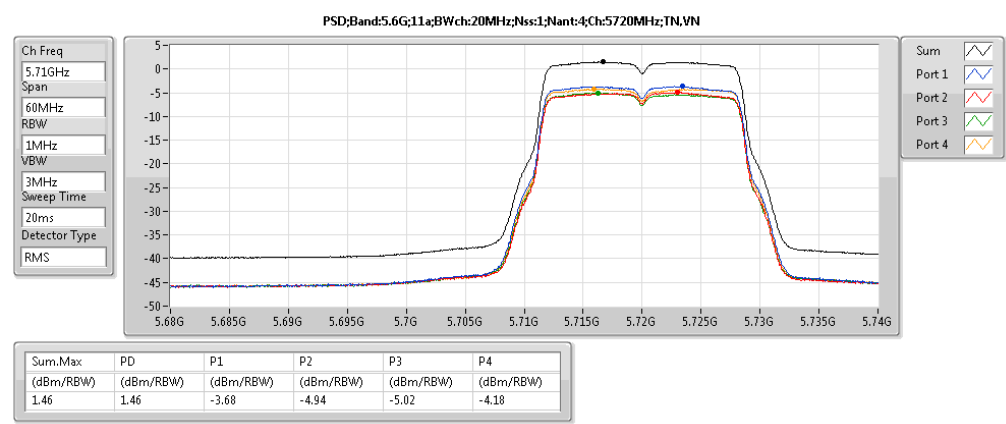
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5.3G;VHT40;Nss1,(M0);Ntx4	1.46	16.88
5.3G;VHT80;Nss1,(M0);Ntx4	-3.96	11.46
5.6G;11a;Nss1;Ntx4	1.46	16.88
5.6G;VHT20;Nss1,(M0);Ntx4	1.44	16.86
5.6G;VHT40;Nss1,(M0);Ntx4	1.45	16.87
5.6G;VHT80;Nss1,(M0);Ntx4	1.24	16.66
5.8G;11a;Nss1;Ntx4	-0.35	15.07
5.8G;VHT20;Nss1,(M0);Ntx4	-0.14	15.29
5.8G;VHT40;Nss1,(M0);Ntx4	-0.69	14.73
5.8G;VHT80;Nss1,(M0);Ntx4	-1.10	14.32
5.3G;VHT20,BF;Nss1,(M0);Ntx4	0.67	16.10
5.3G;VHT40,BF;Nss1,(M0);Ntx4	-2.10	13.32
5.3G;VHT80,BF;Nss1,(M0);Ntx4	-4.32	11.10
5.6G;VHT20,BF;Nss1,(M0);Ntx4	1.16	16.58
5.6G;VHT40,BF;Nss1,(M0);Ntx4	-1.61	13.81
5.6G;VHT80,BF;Nss1,(M0);Ntx4	-3.28	12.14
5.8G;VHT20,BF;Nss1,(M0);Ntx4	-0.40	15.02
5.8G;VHT40,BF;Nss1,(M0);Ntx4	-3.57	11.85
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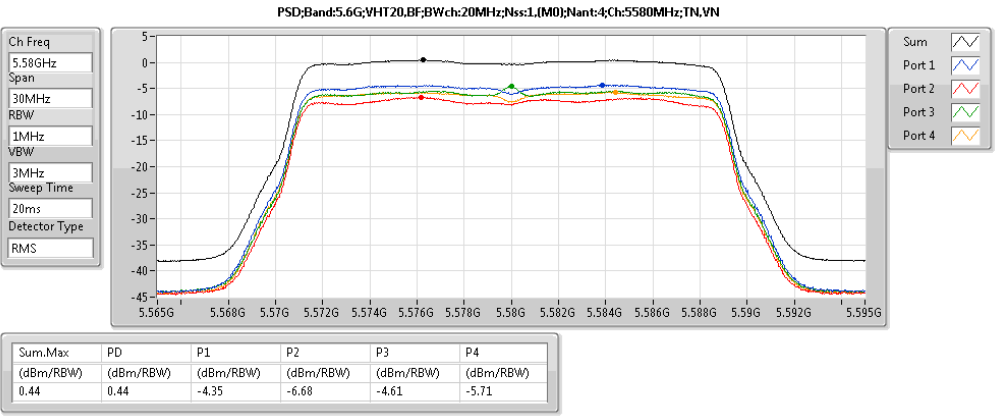
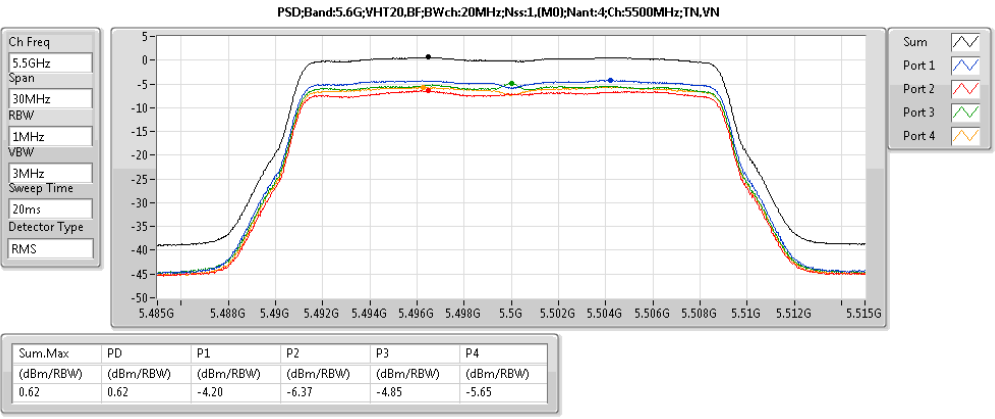
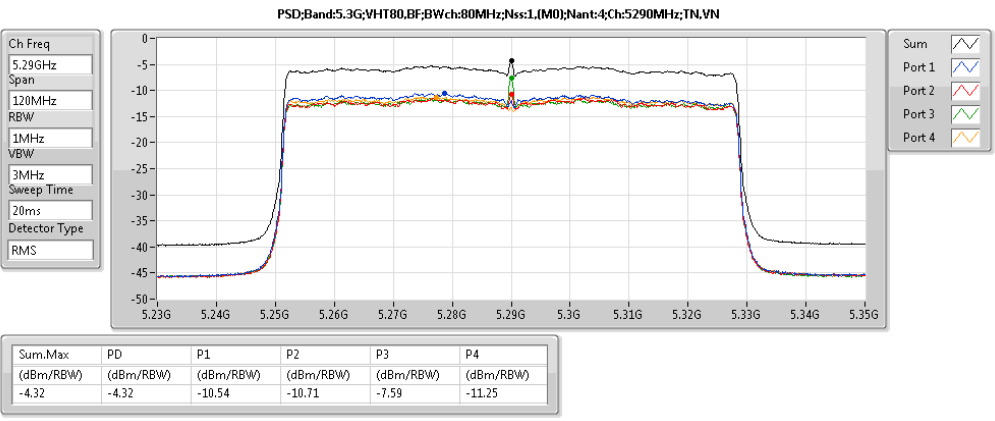
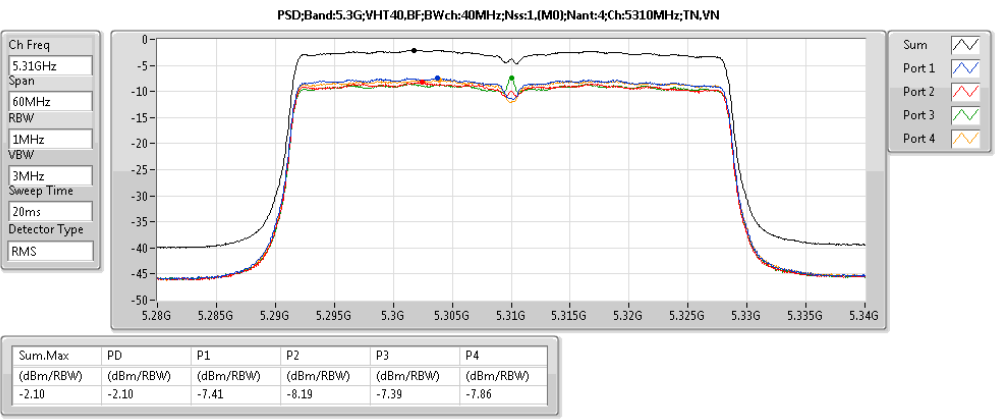
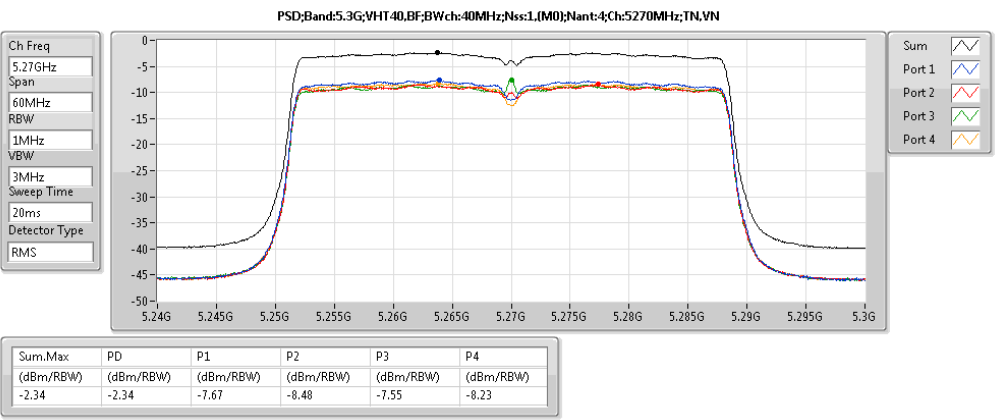
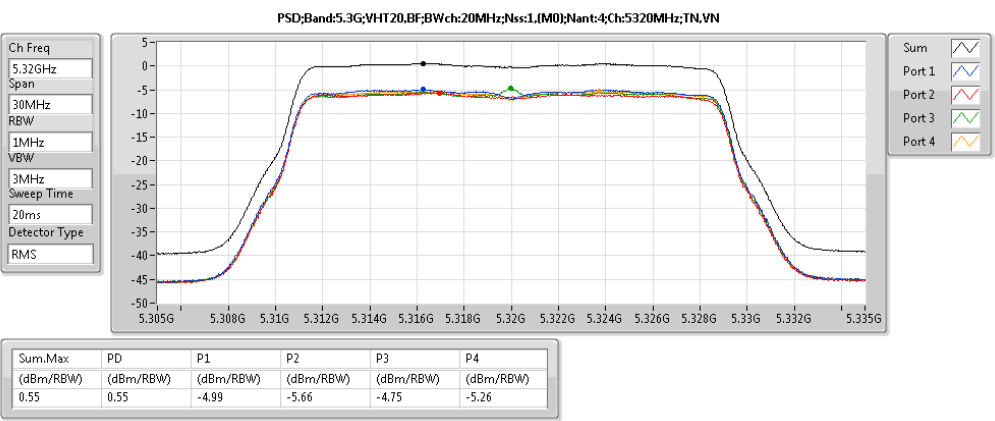
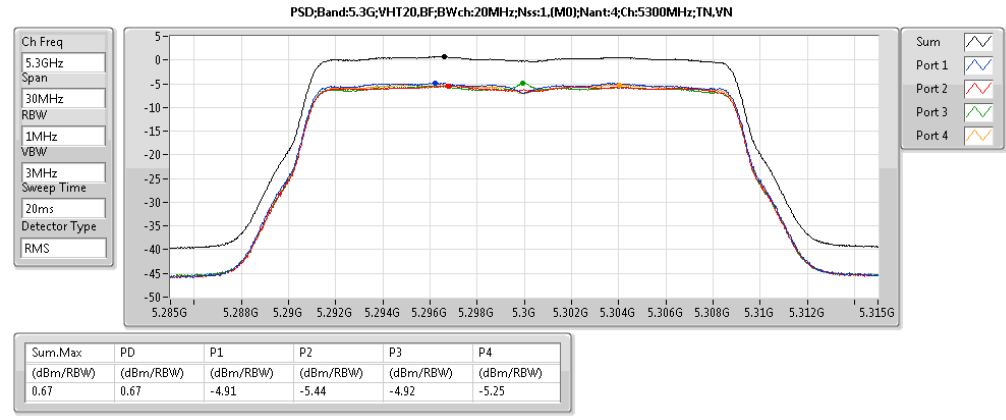
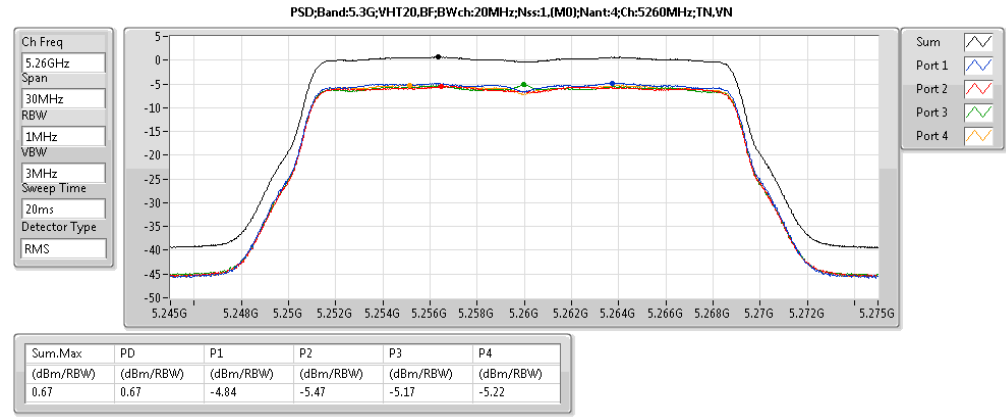
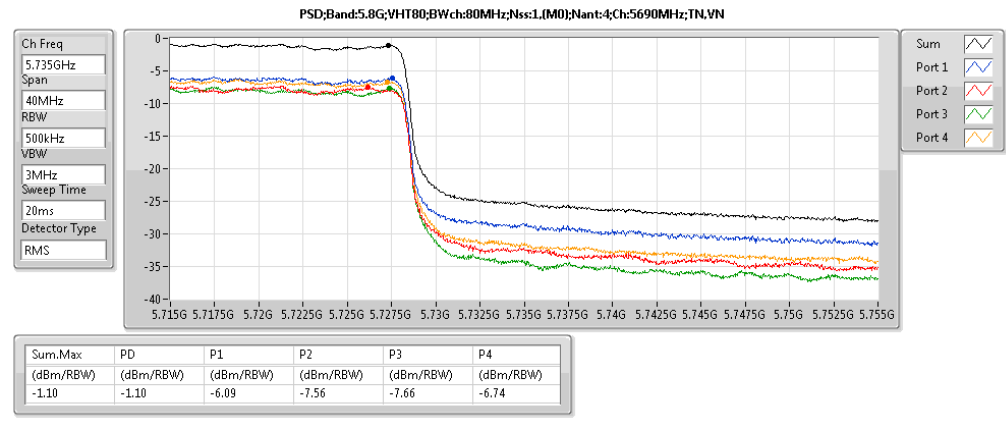
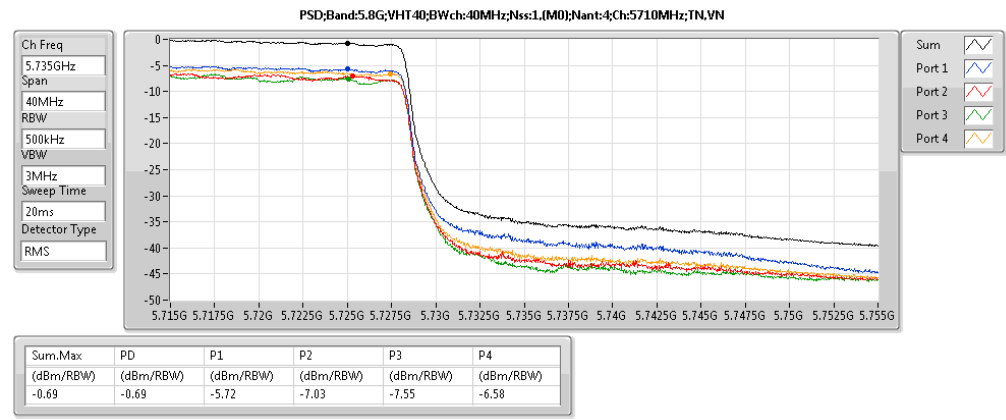
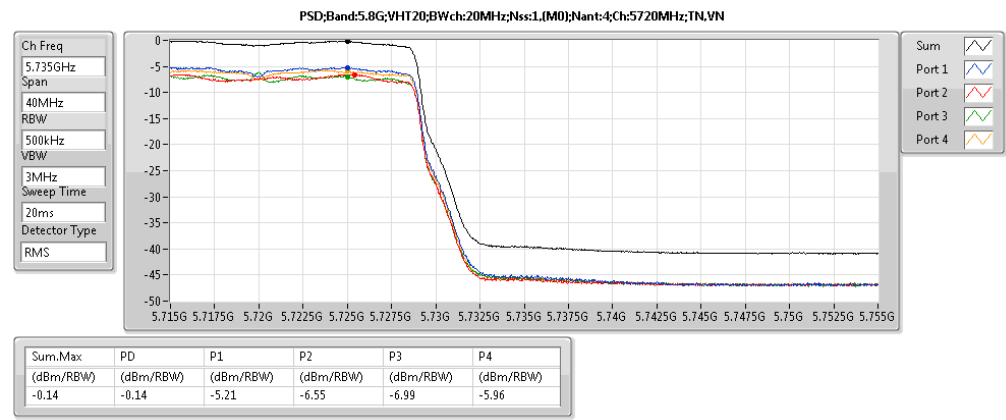
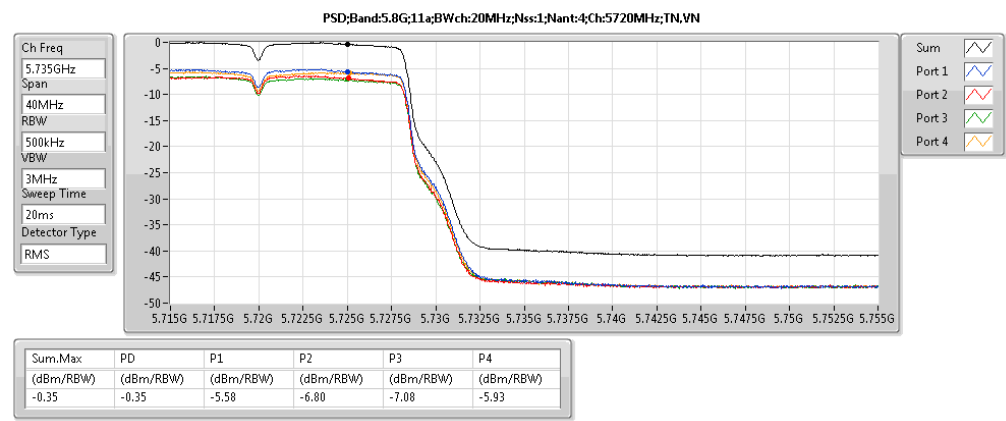


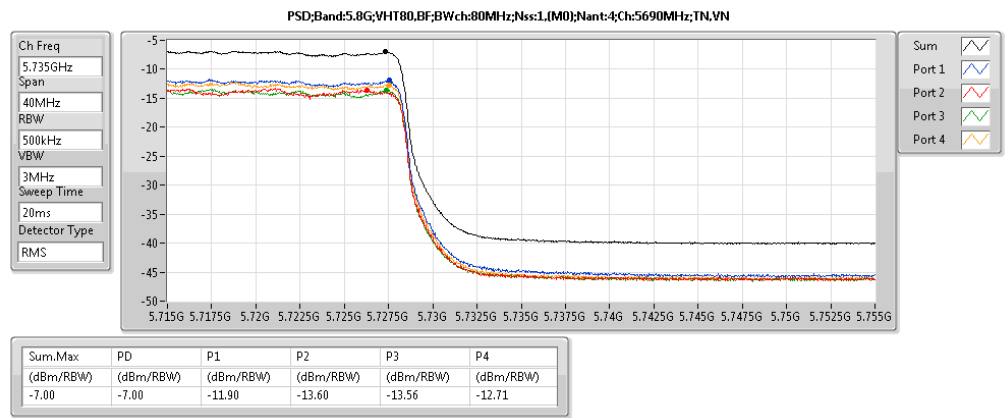
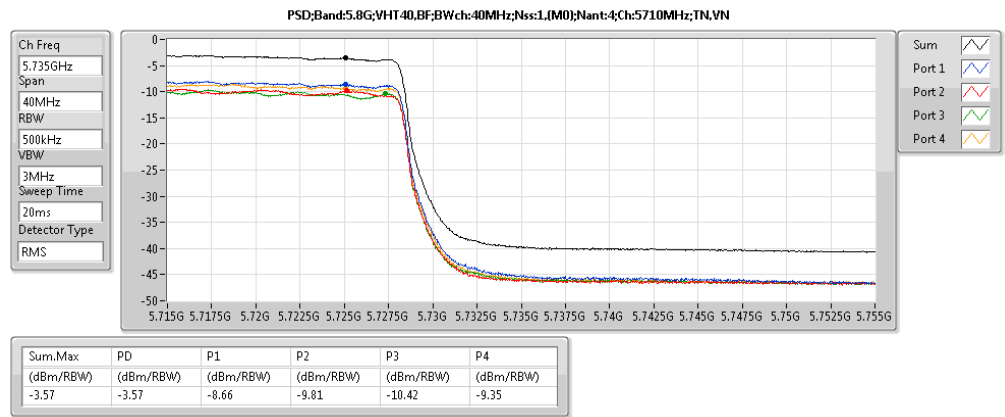
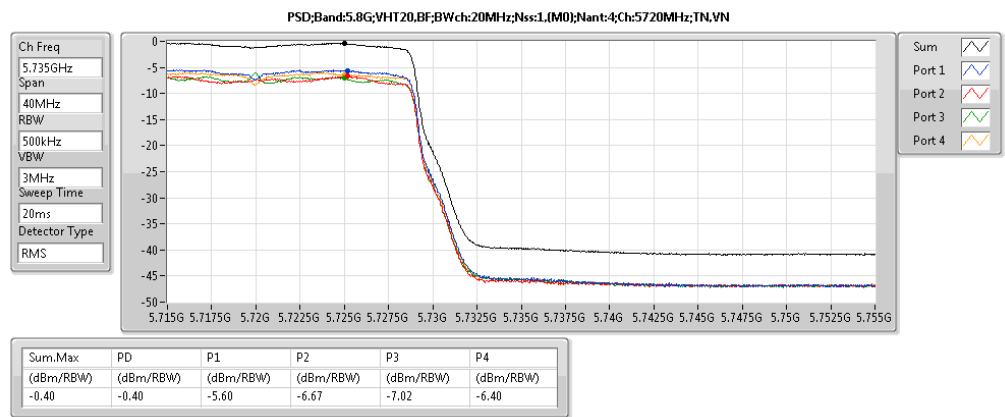
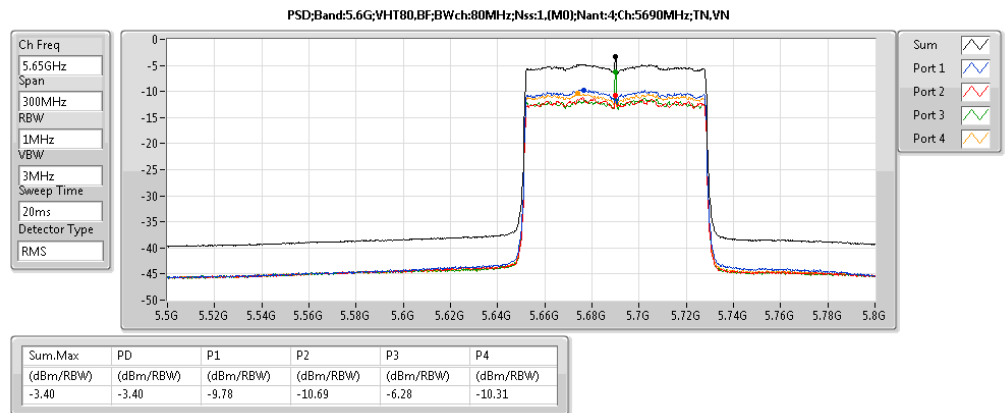
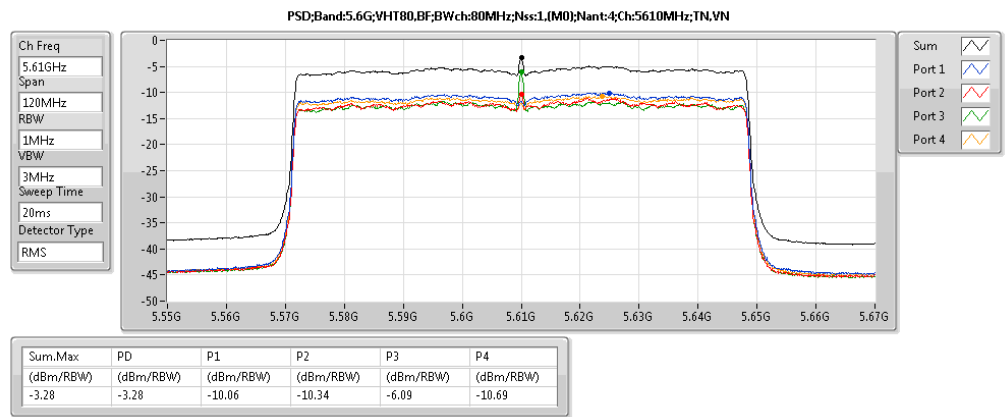
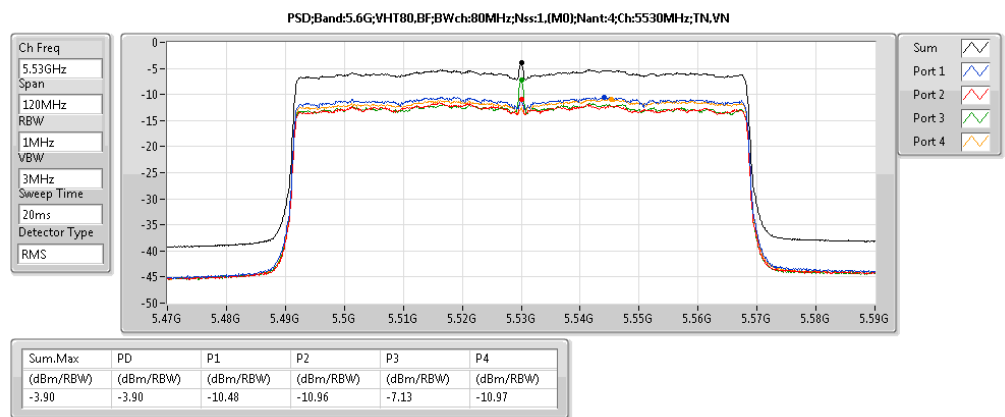
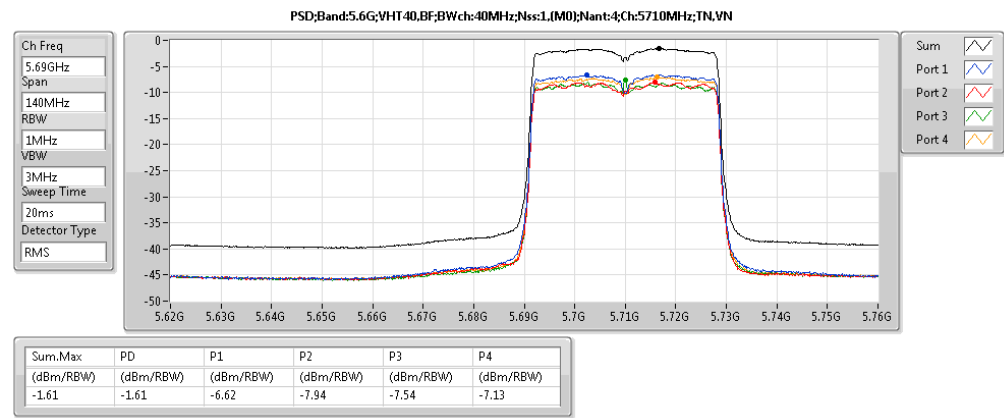
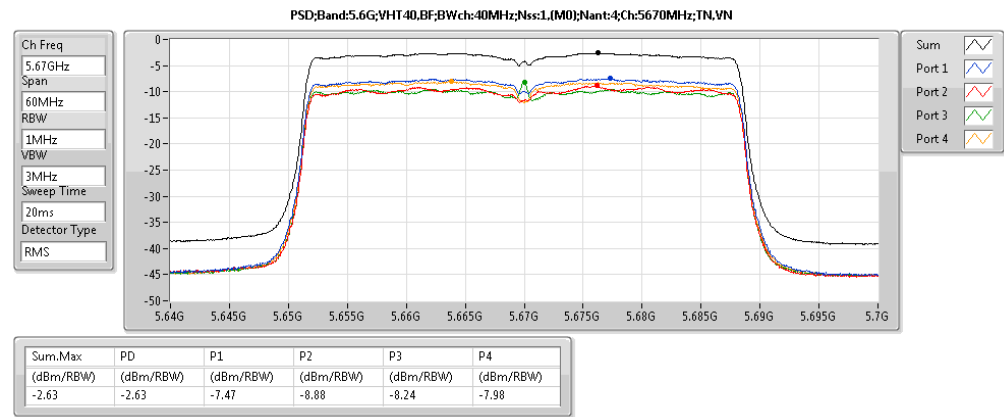
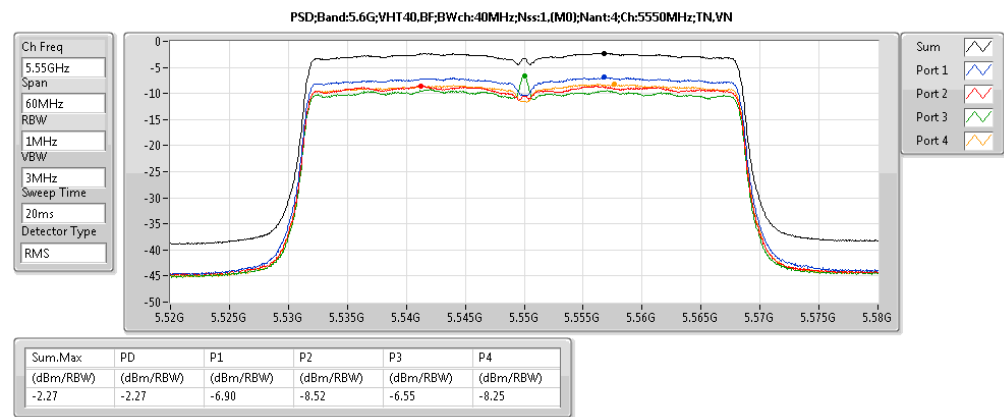
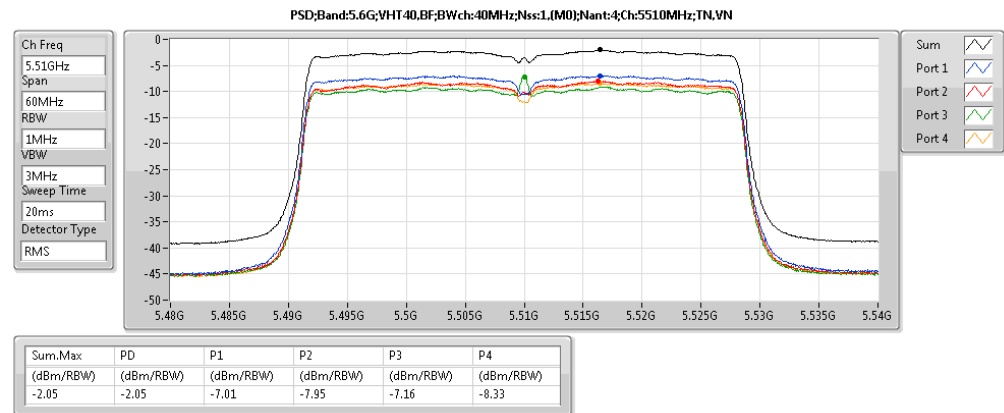
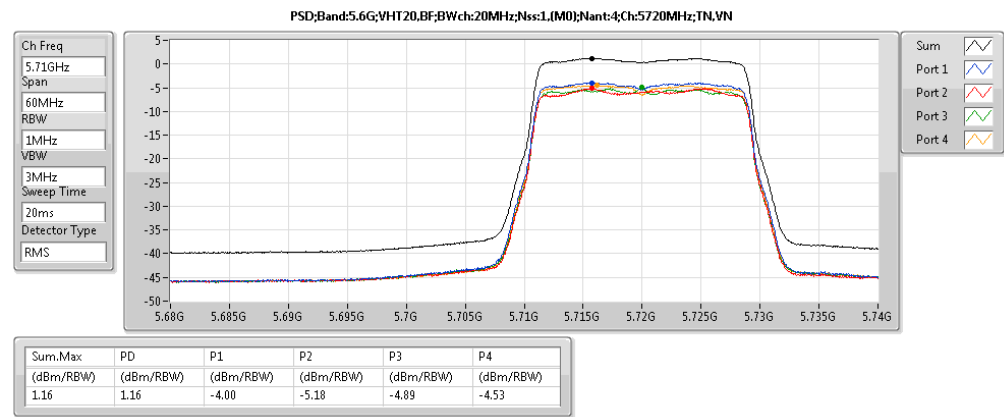
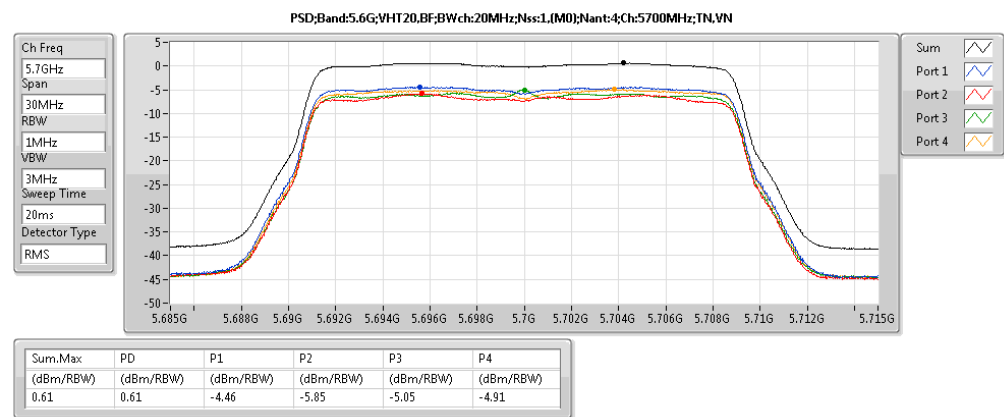
Result

Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.3G;11a;Nss1;Ntx4;5260	Pass	1M	1M	0.00	15.42	1.39	1.58	16.81	Inf	-4.25	-4.78	-4.83	-4.40
5.3G;11a;Nss1;Ntx4;5300	Pass	1M	1M	0.00	15.42	1.51	1.58	16.93	Inf	-4.13	-4.65	-4.88	-4.36
5.3G;11a;Nss1;Ntx4;5320	Pass	1M	1M	0.00	15.42	1.44	1.58	16.86	Inf	-4.25	-4.77	-4.74	-4.46
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	15.42	1.33	1.58	16.75	Inf	-3.99	-4.98	-4.70	-4.58
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	15.42	1.51	1.58	16.93	Inf	-3.93	-4.66	-4.56	-4.52
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	15.42	1.36	1.58	16.78	Inf	-4.05	-4.99	-4.48	-4.65
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	15.42	1.46	1.58	16.88	Inf	-3.73	-4.76	-4.62	-4.34
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	15.42	0.64	1.58	16.06	Inf	-4.58	-5.50	-5.69	-5.29
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	15.42	-3.96	1.58	11.46	Inf	-9.91	-9.20	-7.73	-10.91
5.6G;11a;Nss1;Ntx4;5500	Pass	1M	1M	0.00	15.42	1.26	1.58	16.68	Inf	-3.64	-5.70	-4.60	-5.06
5.6G;11a;Nss1;Ntx4;5580	Pass	1M	1M	0.00	15.42	1.22	1.58	16.64	Inf	-3.57	-5.99	-4.91	-4.90
5.6G;11a;Nss1;Ntx4;5700	Pass	1M	1M	0.00	15.42	1.35	1.58	16.77	Inf	-3.77	-5.24	-5.15	-4.46
5.6G;11a;Nss1;Ntx4;5720	Pass	1M	1M	0.00	15.42	1.46	1.58	16.88	Inf	-3.68	-4.94	-5.02	-4.18
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	15.42	1.36	1.58	16.78	Inf	-3.43	-5.77	-4.58	-4.94
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	15.42	1.44	1.58	16.86	Inf	-3.28	-5.63	-4.12	-4.59
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	15.42	1.29	1.58	16.71	Inf	-3.87	-5.09	-4.68	-4.24
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	15.42	1.41	1.58	16.83	Inf	-3.77	-4.91	-3.60	-4.21
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	15.42	0.45	1.58	15.87	Inf	-4.35	-5.57	-5.05	-5.84
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	15.42	1.30	1.58	16.72	Inf	-3.43	-5.15	-4.47	-4.67
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	15.42	1.45	1.58	16.87	Inf	-3.37	-4.90	-4.20	-3.95
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	15.42	1.26	1.58	16.68	Inf	-3.68	-5.18	-4.36	-4.34
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	15.42	-1.92	1.58	13.50	Inf	-8.35	-8.47	-4.96	-8.72
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	15.42	0.60	1.58	16.02	Inf	-4.47	-5.04	-3.14	-5.18
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	15.42	1.24	1.58	16.66	Inf	-3.77	-5.08	-3.57	-4.29
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.35	20.58	15.07	Inf	-5.58	-6.80	-7.08	-5.93
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.14	20.58	15.29	Inf	-5.21	-6.55	-6.99	-5.96
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	15.42	-0.69	20.58	14.73	Inf	-5.72	-7.03	-7.55	-6.58
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	15.42	-1.10	20.58	14.32	Inf	-6.09	-7.56	-7.66	-6.74
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	15.42	0.67	1.58	16.09	Inf	-4.84	-5.47	-5.17	-5.22
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	15.42	0.67	1.58	16.10	Inf	-4.91	-5.44	-4.92	-5.25
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	15.42	0.55	1.58	15.97	Inf	-4.99	-5.66	-4.75	-5.26
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	15.42	-2.34	1.58	13.08	Inf	-7.67	-8.48	-7.55	-8.23
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	15.42	-2.10	1.58	13.32	Inf	-7.41	-8.19	-7.39	-7.86
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	15.42	-4.32	1.58	11.10	Inf	-10.54	-10.71	-7.59	-11.25
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	15.42	0.62	1.58	16.04	Inf	-4.20	-6.37	-4.85	-5.65
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	15.42	0.44	1.58	15.86	Inf	-4.35	-6.68	-4.61	-5.71
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	15.42	0.61	1.58	16.03	Inf	-4.46	-5.85	-5.05	-4.91
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	15.42	1.16	1.58	16.58	Inf	-4.00	-5.18	-4.89	-4.53
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	15.42	-2.05	1.58	13.37	Inf	-7.01	-7.95	-7.16	-8.33
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	15.42	-2.27	1.58	13.15	Inf	-6.90	-8.52	-6.55	-8.25
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	15.42	-2.63	1.58	12.79	Inf	-7.47	-8.88	-8.24	-7.98
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	15.42	-1.61	1.58	13.81	Inf	-6.62	-7.94	-7.54	-7.13
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	15.42	-3.90	1.58	11.52	Inf	-10.48	-10.96	-7.13	-10.97
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	15.42	-3.28	1.58	12.14	Inf	-10.06	-10.34	-6.09	-10.69
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	15.42	-3.40	1.58	12.02	Inf	-9.78	-10.69	-6.28	-10.31
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.40	20.58	15.02	Inf	-5.60	-6.67	-7.02	-6.40
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	15.42	-3.57	20.58	11.85	Inf	-8.66	-9.81	-10.42	-9.35
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	15.42	-7.00	20.58	8.42	Inf	-11.90	-13.60	-13.56	-12.71









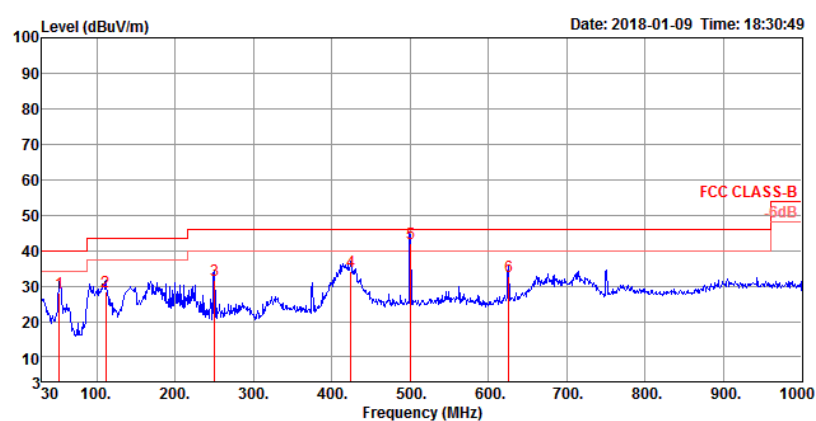


Results of Radiated Emissions (30-1GHz and Unintentional 1GHz~5th Harmonic)

Appendix E.1

Results of Radiated Emissions (30-1GHz)

Operating Mode	3	Polarization	Horizontal
Operating Function	Intentional – CTX		

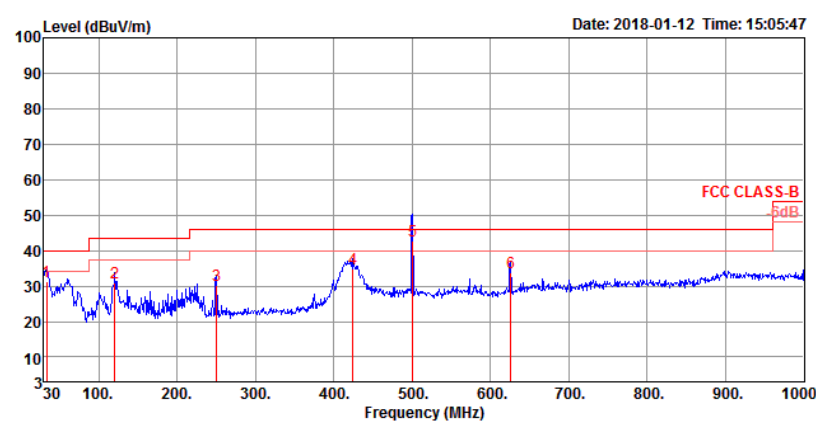


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	52.31	28.21	40.00	-11.79	44.99	1.37	14.27	32.42	200	109 Peak	HORIZONTAL
2	111.48	28.58	43.50	-14.92	41.68	1.01	18.26	32.37	300	161 Peak	HORIZONTAL
3	250.19	31.50	46.00	-14.50	42.61	2.38	18.80	32.29	150	40 Peak	HORIZONTAL
4	424.79	34.13	46.00	-11.87	40.86	2.86	22.71	32.30	100	273 Peak	HORIZONTAL
5	500.45	42.19	46.00	-3.81	47.76	2.94	23.82	32.33	240	274 QP	HORIZONTAL
6	625.58	32.62	46.00	-13.38	37.08	2.76	25.16	32.38	150	256 Peak	HORIZONTAL

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.)

Results of Radiated Emissions (30-1GHz)

Operating Mode	3	Power Phase	Vertical
Operating Function	Intentional – CTX		



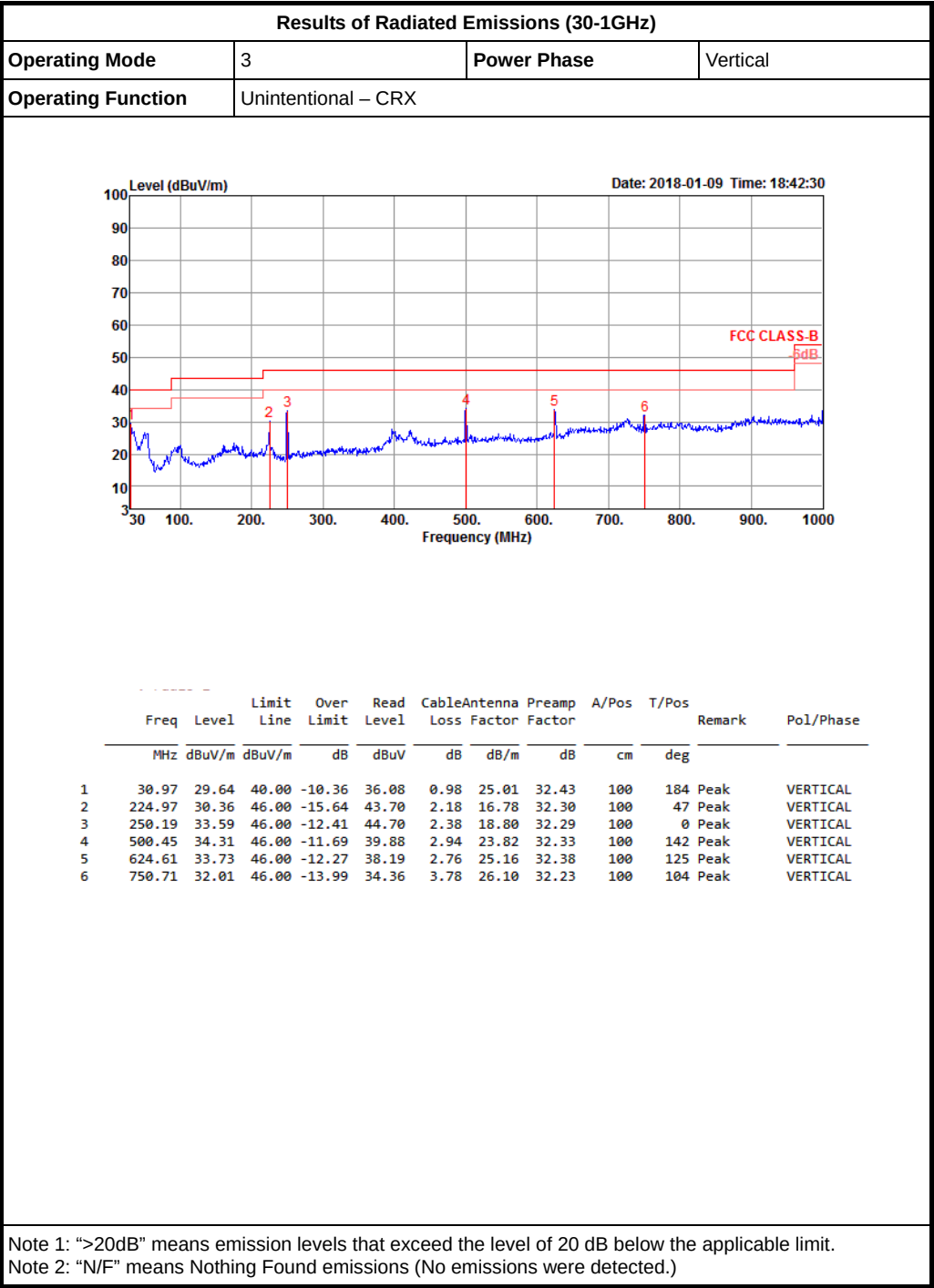
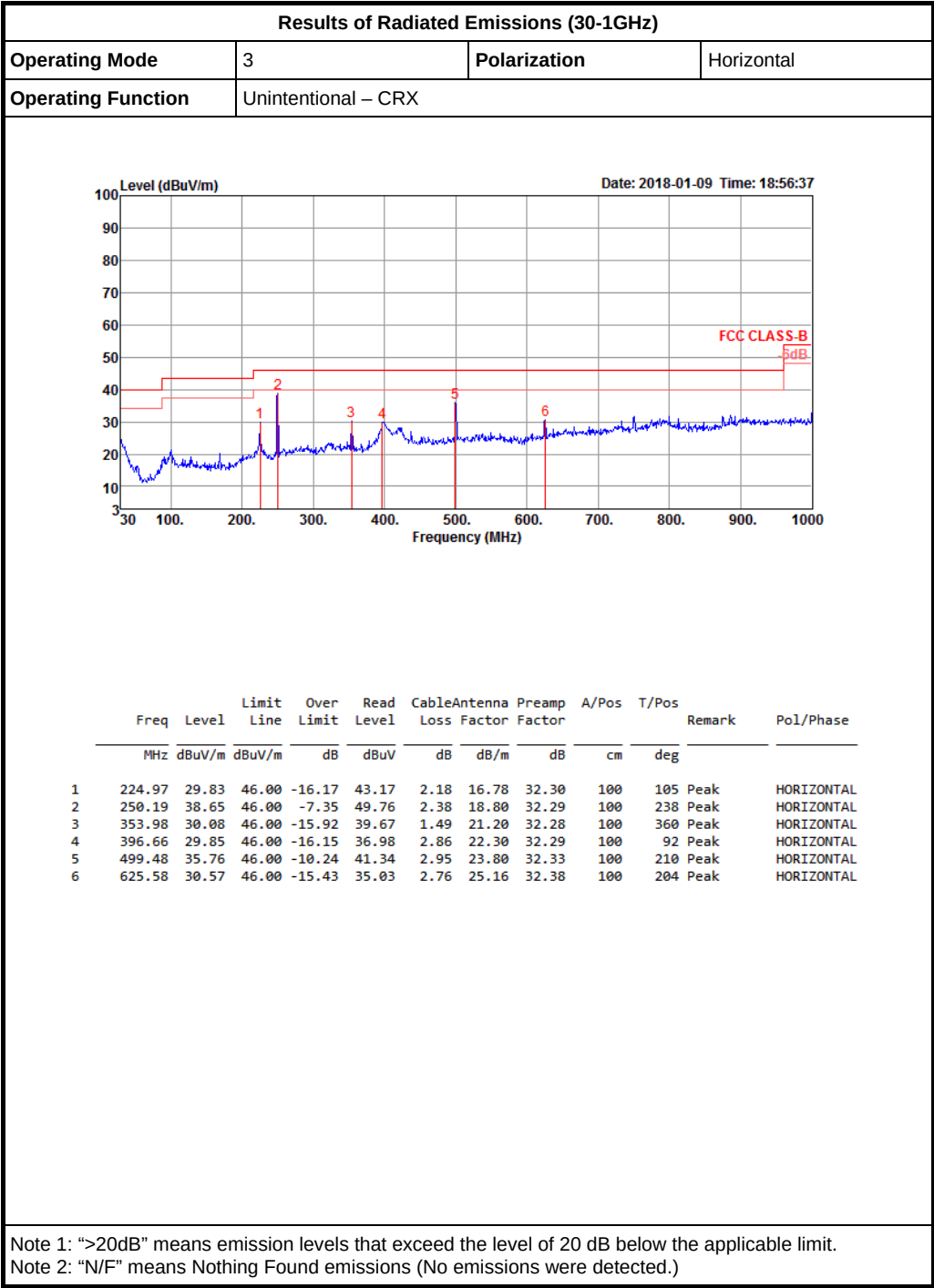
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	33.88	31.37	40.00	-8.63	39.51	1.00	23.29	32.43	100	236 Peak	VERTICAL
2	120.21	30.81	43.50	-12.69	43.34	1.14	18.69	32.36	100	166 Peak	VERTICAL
3	250.19	30.13	46.00	-15.87	41.24	2.38	18.80	32.29	100	87 Peak	VERTICAL
4	424.79	34.77	46.00	-11.23	41.50	2.86	22.71	32.30	100	180 Peak	VERTICAL
5	500.45	42.84	46.00	-3.16	48.41	2.94	23.82	32.33	100	163 QP	VERTICAL
6	625.58	33.68	46.00	-12.32	38.14	2.76	25.16	32.38	100	186 Peak	VERTICAL

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.)



Results of Radiated Emissions
(30-1GHz and Unintentional 1GHz~5th Harmonic)

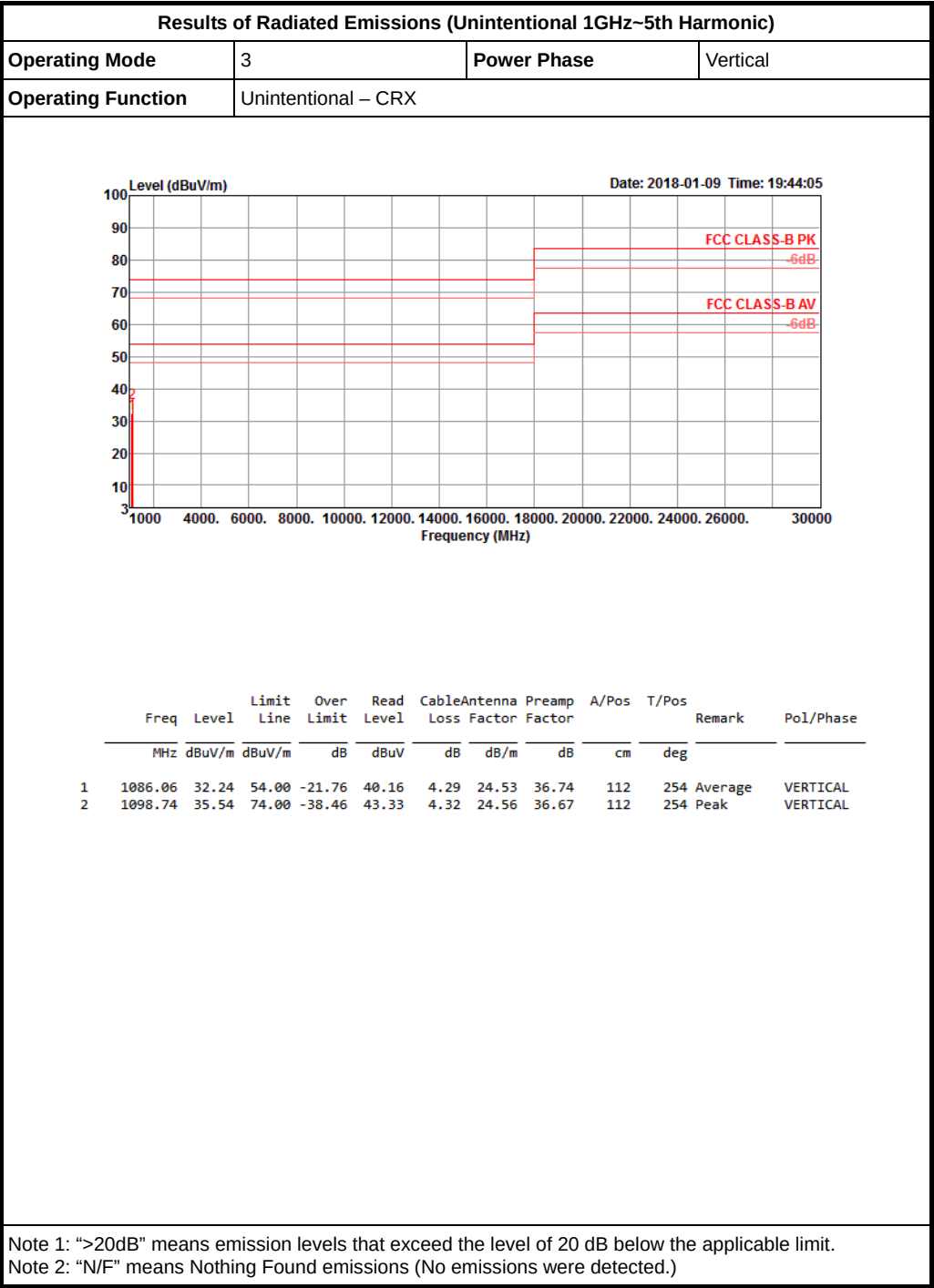
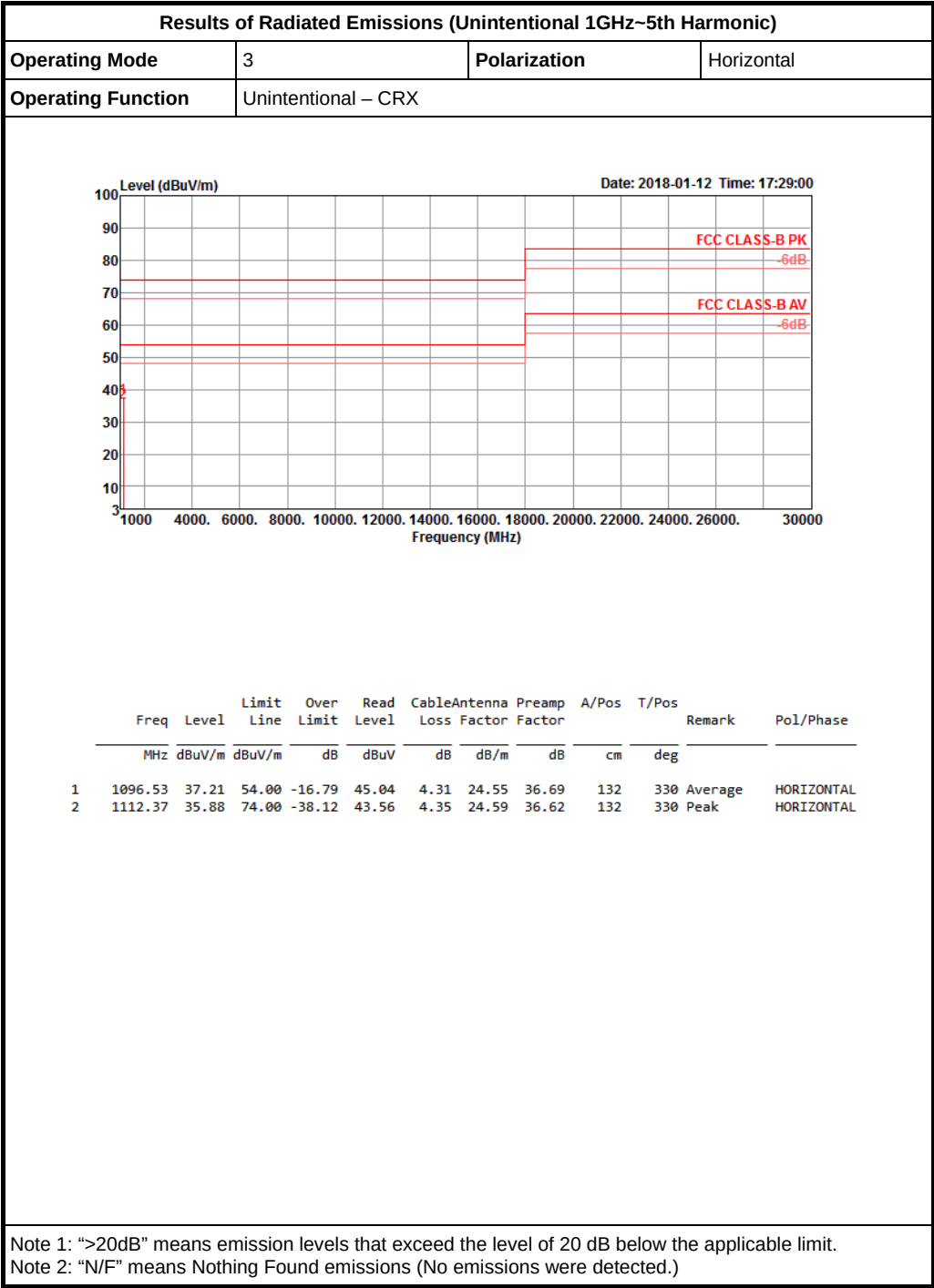
Appendix E.1





Results of Radiated Emissions
(30-1GHz and Unintentional 1GHz~5th Harmonic)

Appendix E.1



Radiated Emissions (1GHz~40GHz)

<For Non-Beamforming Mode>

Dipole Antenna

Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.06	49.56	54.00	-4.44	31.36	14.13	37.97	33.90	174	243	Average	HORIZONTAL
2	15780.99	63.10	74.00	-10.90	44.90	14.13	37.97	33.90	174	243	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.17	63.12	74.00	-10.88	44.92	14.13	37.97	33.90	147	307	Peak	VERTICAL
2	15779.79	49.61	54.00	-4.39	31.41	14.13	37.97	33.90	147	307	Average	VERTICAL

Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.18	47.05	54.00	-6.95	29.26	11.58	39.88	33.67	122	59	Average	HORIZONTAL
2	10600.63	61.00	74.00	-13.00	43.21	11.58	39.88	33.67	122	59	Peak	HORIZONTAL
3	15899.20	63.16	74.00	-10.84	45.10	14.17	37.81	33.92	175	99	Peak	HORIZONTAL
4	15900.74	49.88	54.00	-4.12	31.82	14.17	37.81	33.92	175	99	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.28	47.45	54.00	-6.55	29.66	11.58	39.88	33.67	235	177	Average	VERTICAL
2	10600.44	60.08	74.00	-13.92	42.29	11.58	39.88	33.67	235	177	Peak	VERTICAL
3	15899.80	62.57	74.00	-11.43	44.51	14.17	37.81	33.92	200	138	Peak	VERTICAL
4	15900.48	49.79	54.00	-4.21	31.73	14.17	37.81	33.92	200	138	Average	VERTICAL

Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.56	47.20	54.00	-6.80	29.40	11.59	39.90	33.69	165	105	Average	HORIZONTAL
2	10639.89	61.11	74.00	-12.89	43.31	11.59	39.90	33.69	165	105	Peak	HORIZONTAL
3	15959.18	50.29	54.00	-3.71	32.28	14.19	37.75	33.93	126	160	Average	HORIZONTAL
4	15960.30	63.04	74.00	-10.96	45.03	14.19	37.75	33.93	126	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.49	47.60	54.00	-6.40	29.80	11.59	39.90	33.69	141	142	Average	VERTICAL
2	10639.96	60.65	74.00	-13.35	42.85	11.59	39.90	33.69	141	142	Peak	VERTICAL
3	15960.05	50.13	54.00	-3.87	32.12	14.19	37.75	33.93	164	207	Average	VERTICAL
4	15960.67	63.00	74.00	-11.00	44.99	14.19	37.75	33.93	164	207	Peak	VERTICAL

Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.24	47.05	54.00	-6.95	28.94	11.74	40.20	33.83	186	295	Average	HORIZONTAL
2	11000.24	60.30	74.00	-13.70	42.19	11.74	40.20	33.83	186	295	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.75	46.91	54.00	-7.09	28.80	11.74	40.20	33.83	143	344	Average	VERTICAL
2	11000.34	59.98	74.00	-14.02	41.87	11.74	40.20	33.83	143	344	Peak	VERTICAL

Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.14	61.50	74.00	-12.50	43.39	11.81	40.13	33.83	171	225	Peak	HORIZONTAL
2	11160.96	47.33	54.00	-6.67	29.22	11.81	40.13	33.83	171	225	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.72	60.87	74.00	-13.13	42.76	11.81	40.13	33.83	204	262	Peak	VERTICAL
2	11160.86	47.41	54.00	-6.59	29.30	11.81	40.13	33.83	204	262	Average	VERTICAL

Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.10	48.00	54.00	-6.00	29.88	11.91	40.04	33.83	139	262	Average	HORIZONTAL
2	11400.94	61.54	74.00	-12.46	43.42	11.91	40.04	33.83	139	262	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.33	48.27	54.00	-5.73	30.15	11.91	40.04	33.83	118	305	Average	VERTICAL
2	11400.43	61.25	74.00	-12.75	43.13	11.91	40.04	33.83	118	305	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.12	49.48	54.00	-4.52	31.28	14.13	37.97	33.90	183	141	Average	HORIZONTAL
2	15780.44	63.30	74.00	-10.70	45.10	14.13	37.97	33.90	183	141	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.50	62.50	74.00	-11.50	44.30	14.13	37.97	33.90	203	170	Peak	VERTICAL
2	15780.03	49.57	54.00	-4.43	31.37	14.13	37.97	33.90	203	170	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.69	60.45	74.00	-13.55	42.66	11.58	39.88	33.67	158	113	Peak	HORIZONTAL
2	10600.95	47.03	54.00	-6.97	29.24	11.58	39.88	33.67	158	113	Average	HORIZONTAL
3	15900.06	49.91	54.00	-4.09	31.85	14.17	37.81	33.92	174	129	Average	HORIZONTAL
4	15900.44	63.10	74.00	-10.90	45.04	14.17	37.81	33.92	174	129	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.22	47.52	54.00	-6.48	29.73	11.58	39.88	33.67	227	206	Average	VERTICAL
2	10600.83	60.86	74.00	-13.14	43.07	11.58	39.88	33.67	227	206	Peak	VERTICAL
3	15899.37	63.06	74.00	-10.94	45.00	14.17	37.81	33.92	203	168	Peak	VERTICAL
4	15900.75	49.73	54.00	-4.27	31.67	14.17	37.81	33.92	203	168	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.24	47.23	54.00	-6.77	29.43	11.59	39.90	33.69	163	91	Average	HORIZONTAL
2	10639.68	61.02	74.00	-12.98	43.22	11.59	39.90	33.69	163	91	Peak	HORIZONTAL
3	15960.21	62.96	74.00	-11.04	44.95	14.19	37.75	33.93	201	53	Peak	HORIZONTAL
4	15960.76	49.09	54.00	-4.91	31.08	14.19	37.75	33.93	201	53	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.00	47.49	54.00	-6.51	29.69	11.59	39.90	33.69	187	82	Average	VERTICAL
2	10640.12	60.61	74.00	-13.39	42.81	11.59	39.90	33.69	187	82	Peak	VERTICAL
3	15959.07	62.79	74.00	-11.21	44.78	14.19	37.75	33.93	221	121	Peak	VERTICAL
4	15960.92	49.17	54.00	-4.83	31.16	14.19	37.75	33.93	221	121	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10999.85	60.06	74.00	-13.94	41.95	11.74	40.20	33.83	178	125	Peak
2	11000.37	46.67	54.00	-7.33	28.56	11.74	40.20	33.83	178	125	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10999.61	46.97	54.00	-7.03	28.86	11.74	40.20	33.83	198	149	Average
2	11000.11	59.80	74.00	-14.20	41.69	11.74	40.20	33.83	198	149	Peak

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.70	47.26	54.00	-6.74	29.15	11.81	40.13	33.83	115	271	Average	HORIZONTAL
2	11160.70	60.91	74.00	-13.09	42.80	11.81	40.13	33.83	115	271	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.05	60.55	74.00	-13.45	42.44	11.81	40.13	33.83	160	326	Peak	VERTICAL
2	11160.64	47.35	54.00	-6.65	29.24	11.81	40.13	33.83	160	326	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.00	48.09	54.00	-5.91	29.97	11.91	40.04	33.83	160	270	Average	HORIZONTAL
2	11400.30	61.71	74.00	-12.29	43.59	11.91	40.04	33.83	160	270	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.22	61.03	74.00	-12.97	42.91	11.91	40.04	33.83	132	347	Peak	VERTICAL
2	11400.88	47.99	54.00	-6.01	29.87	11.91	40.04	33.83	132	347	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.32	63.03	74.00	-10.97	44.87	14.14	37.92	33.90	126	287	Peak	HORIZONTAL
2	15810.86	49.18	54.00	-4.82	31.02	14.14	37.92	33.90	126	287	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15810.39	49.33	54.00	-4.67	31.17	14.14	37.92	33.90	172	337	Average	VERTICAL
2	15810.65	62.27	74.00	-11.73	44.11	14.14	37.92	33.90	172	337	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.65	47.18	54.00	-6.82	29.39	11.58	39.88	33.67	124	176	Average	HORIZONTAL
2	10620.55	60.41	74.00	-13.59	42.62	11.58	39.88	33.67	124	176	Peak	HORIZONTAL
3	15929.76	49.16	54.00	-4.84	31.16	14.18	37.75	33.93	152	208	Average	HORIZONTAL
4	15930.38	62.05	74.00	-11.95	44.05	14.18	37.75	33.93	152	208	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10620.45	60.07	74.00	-13.93	42.28	11.58	39.88	33.67	148	264	Peak	VERTICAL
2	10620.48	47.76	54.00	-6.24	29.97	11.58	39.88	33.67	148	264	Average	VERTICAL
3	15930.52	61.89	74.00	-12.11	43.89	14.18	37.75	33.93	171	239	Peak	VERTICAL
4	15930.84	49.21	54.00	-4.79	31.21	14.18	37.75	33.93	171	239	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.33	59.35	74.00	-14.65	41.23	11.75	40.20	33.83	131	271	Peak	HORIZONTAL
2	11020.99	46.53	54.00	-7.47	28.41	11.75	40.20	33.83	131	271	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.52	46.65	54.00	-7.35	28.53	11.75	40.20	33.83	162	229	Average	VERTICAL
2	11020.91	59.55	74.00	-14.45	41.43	11.75	40.20	33.83	162	229	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.27	46.97	54.00	-7.03	28.85	11.79	40.16	33.83	160	281	Average	HORIZONTAL
2	11100.49	60.75	74.00	-13.25	42.63	11.79	40.16	33.83	160	281	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.58	60.20	74.00	-13.80	42.08	11.79	40.16	33.83	190	322	Peak	VERTICAL
2	11099.92	47.01	54.00	-6.99	28.89	11.79	40.16	33.83	190	322	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.40	60.36	74.00	-13.64	42.23	11.89	40.07	33.83	153	188	Peak	HORIZONTAL
2	11340.74	47.51	54.00	-6.49	29.38	11.89	40.07	33.83	153	188	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.40	47.41	54.00	-6.59	29.28	11.89	40.07	33.83	123	234	Average	VERTICAL
2	11340.02	60.56	74.00	-13.44	42.43	11.89	40.07	33.83	123	234	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.18	62.84	74.00	-11.16	44.73	14.16	37.86	33.91	168	122	Peak	HORIZONTAL
2	15869.43	49.57	54.00	-4.43	31.46	14.16	37.86	33.91	168	122	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.62	62.64	74.00	-11.36	44.53	14.16	37.86	33.91	178	154	Peak	VERTICAL
2	15870.42	49.41	54.00	-4.59	31.30	14.16	37.86	33.91	178	154	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.33	59.79	74.00	-14.21	41.66	11.77	40.19	33.83	129	150	Peak	HORIZONTAL
2	11060.30	46.83	54.00	-7.17	28.72	11.77	40.17	33.83	129	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.20	60.22	74.00	-13.78	42.11	11.77	40.17	33.83	103	58	Peak	VERTICAL
2	11060.52	46.79	54.00	-7.21	28.68	11.77	40.17	33.83	103	58	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.10	47.62	54.00	-6.38	29.49	11.84	40.12	33.83	126	155	Average	HORIZONTAL
2	11219.66	61.26	74.00	-12.74	43.13	11.84	40.12	33.83	126	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.29	47.72	54.00	-6.28	29.59	11.84	40.12	33.83	146	184	Average	VERTICAL
2	11219.84	60.34	74.00	-13.66	42.21	11.84	40.12	33.83	146	184	Peak	VERTICAL

Straddle Channel

Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.16	47.61	54.00	-6.39	29.48	11.93	40.03	33.83	161	100	Average	HORIZONTAL
2	11440.86	60.85	74.00	-13.15	42.72	11.93	40.03	33.83	161	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.16	60.54	74.00	-13.46	42.41	11.93	40.03	33.83	185	136	Peak	VERTICAL
2	11439.36	47.71	54.00	-6.29	29.58	11.93	40.03	33.83	185	136	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.32	47.69	54.00	-6.31	29.56	11.93	40.03	33.83	198	176	Average	HORIZONTAL
2	11439.41	61.03	74.00	-12.97	42.90	11.93	40.03	33.83	198	176	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.08	47.67	54.00	-6.33	29.54	11.93	40.03	33.83	212	222	Average	VERTICAL
2	11439.65	60.79	74.00	-13.21	42.66	11.93	40.03	33.83	212	222	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11419.80	60.88	74.00	-13.12	42.76	11.92	40.03	33.83	149	124	Peak
2	11420.07	47.74	54.00	-6.26	29.62	11.92	40.03	33.83	149	124	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11419.27	47.72	54.00	-6.28	29.60	11.92	40.03	33.83	124	151	Average
2	11420.32	61.57	74.00	-12.43	43.45	11.92	40.03	33.83	124	151	Peak

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.25	60.70	74.00	-13.30	42.57	11.91	40.05	33.83	133	177	Peak	HORIZONTAL
2	11380.42	47.79	54.00	-6.21	29.66	11.91	40.05	33.83	133	177	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.70	60.96	74.00	-13.04	42.83	11.91	40.05	33.83	163	115	Peak	VERTICAL
2	11379.95	47.86	54.00	-6.14	29.73	11.91	40.05	33.83	163	115	Average	VERTICAL

Directional Antenna Antenna

Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15763.36	47.66	54.00	-6.34	29.45	14.12	37.97	33.88	150	318	Average	HORIZONTAL
2	15789.64	61.18	74.00	-12.82	43.03	14.13	37.92	33.90	150	318	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15760.32	47.72	54.00	-6.28	29.51	14.12	37.97	33.88	150	135	Average	VERTICAL
2	15763.24	61.86	74.00	-12.14	43.65	14.12	37.97	33.88	150	135	Peak	VERTICAL

Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.96	60.03	74.00	-13.97	42.24	11.58	39.88	33.67	175	92	Peak	HORIZONTAL
2	10617.76	46.78	54.00	-7.22	28.99	11.58	39.88	33.67	175	92	Average	HORIZONTAL
3	15904.32	61.15	74.00	-12.85	43.09	14.17	37.81	33.92	150	255	Peak	HORIZONTAL
4	15918.68	47.59	54.00	-6.41	29.52	14.18	37.81	33.92	150	255	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10582.48	59.85	74.00	-14.15	42.09	11.57	39.85	33.66	177	260	Peak	VERTICAL
2	10617.64	46.62	54.00	-7.38	28.83	11.58	39.88	33.67	177	260	Average	VERTICAL
3	15905.36	60.74	74.00	-13.26	42.68	14.17	37.81	33.92	150	81	Peak	VERTICAL
4	15918.48	47.63	54.00	-6.37	29.56	14.18	37.81	33.92	150	81	Average	VERTICAL

Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10622.84	46.56	54.00	-7.44	28.75	11.58	39.90	33.67	181	162	Average	HORIZONTAL
2	10634.24	60.09	74.00	-13.91	42.29	11.59	39.90	33.69	181	162	Peak	HORIZONTAL
3	15972.68	61.26	74.00	-12.74	43.29	14.20	37.70	33.93	150	295	Peak	HORIZONTAL
4	15978.24	47.83	54.00	-6.17	29.87	14.20	37.70	33.94	150	295	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10622.88	46.83	54.00	-7.17	29.02	11.58	39.90	33.67	172	97	Average	VERTICAL
2	10644.20	59.95	74.00	-14.05	42.15	11.59	39.90	33.69	172	97	Peak	VERTICAL
3	15975.36	60.88	74.00	-13.12	42.92	14.20	37.70	33.94	150	177	Peak	VERTICAL
4	15978.00	47.82	54.00	-6.18	29.86	14.20	37.70	33.94	150	177	Average	VERTICAL

Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11004.56	59.71	74.00	-14.29	41.59	11.75	40.20	33.83	180	206	Peak	HORIZONTAL
2	11019.28	46.35	54.00	-7.65	28.23	11.75	40.20	33.83	180	206	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11005.20	59.66	74.00	-14.34	41.54	11.75	40.20	33.83	169	142	Peak	VERTICAL
2	11019.48	46.42	54.00	-7.58	28.30	11.75	40.20	33.83	169	142	Average	VERTICAL

Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11173.12	61.04	74.00	-12.96	42.93	11.81	40.13	33.83	184	146	Peak	HORIZONTAL
2	11178.36	47.17	54.00	-6.83	29.05	11.82	40.13	33.83	184	146	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11153.32	60.61	74.00	-13.39	42.48	11.81	40.15	33.83	192	220	Peak	VERTICAL
2	11172.12	47.08	54.00	-6.92	28.97	11.81	40.13	33.83	192	220	Average	VERTICAL

Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11388.36	46.93	54.00	-7.07	28.81	11.91	40.04	33.83	181	232	Average
2	11413.48	60.77	74.00	-13.23	42.64	11.92	40.04	33.83	181	232	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11391.12	46.94	54.00	-7.06	28.82	11.91	40.04	33.83	189	132	Average
2	11393.28	60.70	74.00	-13.30	42.58	11.91	40.04	33.83	189	132	Peak

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15763.28	47.59	54.00	-6.41	29.38	14.12	37.97	33.88	150	144	Average
2	15789.52	61.14	74.00	-12.86	42.99	14.13	37.92	33.90	150	144	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15761.84	47.55	54.00	-6.45	29.34	14.12	37.97	33.88	150	239	Average
2	15799.32	60.65	74.00	-13.35	42.49	14.14	37.92	33.90	150	239	Peak

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10582.40	60.00	74.00	-14.00	42.24	11.57	39.85	33.66	181	204	Peak	HORIZONTAL
2	10617.36	46.70	54.00	-7.30	28.91	11.58	39.88	33.67	181	204	Average	HORIZONTAL
3	15891.60	60.93	74.00	-13.07	42.87	14.17	37.81	33.92	150	176	Peak	HORIZONTAL
4	15918.40	47.60	54.00	-6.40	29.53	14.18	37.81	33.92	150	176	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10587.04	59.99	74.00	-14.01	42.23	11.57	39.85	33.66	192	168	Peak	VERTICAL
2	10617.88	46.62	54.00	-7.38	28.83	11.58	39.88	33.67	192	168	Average	VERTICAL
3	15901.68	60.84	74.00	-13.16	42.78	14.17	37.81	33.92	150	221	Peak	VERTICAL
4	15919.00	47.50	54.00	-6.50	29.43	14.18	37.81	33.92	150	221	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.16	46.92	54.00	-7.08	29.11	11.58	39.90	33.67	169	24	Average	HORIZONTAL
2	10636.84	61.06	74.00	-12.94	43.26	11.59	39.90	33.69	169	24	Peak	HORIZONTAL
3	15951.20	61.18	74.00	-12.82	43.18	14.18	37.75	33.93	150	97	Peak	HORIZONTAL
4	15969.52	47.66	54.00	-6.34	29.69	14.20	37.70	33.93	150	97	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10633.60	46.34	54.00	-7.66	28.54	11.59	39.90	33.69	175	228	Average	VERTICAL
2	10643.60	59.99	74.00	-14.01	42.19	11.59	39.90	33.69	175	228	Peak	VERTICAL
3	15953.58	61.63	74.00	-12.37	43.62	14.19	37.75	33.93	150	298	Peak	VERTICAL
4	15966.94	47.65	54.00	-6.35	29.69	14.19	37.70	33.93	150	298	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.06	59.66	74.00	-14.34	41.55	11.74	40.20	33.83	175	123	Peak	HORIZONTAL
2	11008.10	45.95	54.00	-8.05	27.83	11.75	40.20	33.83	175	123	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.34	59.48	74.00	-14.52	41.37	11.74	40.20	33.83	166	223	Peak	VERTICAL
2	11007.90	45.87	54.00	-8.13	27.75	11.75	40.20	33.83	166	223	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11156.36	60.40	74.00	-13.60	42.27	11.81	40.15	33.83	181	248	Peak	HORIZONTAL
2	11167.28	46.95	54.00	-7.05	28.84	11.81	40.13	33.83	181	248	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11156.12	60.56	74.00	-13.44	42.43	11.81	40.15	33.83	176	117	Peak	VERTICAL
2	11161.62	46.92	54.00	-7.08	28.81	11.81	40.13	33.83	176	117	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11393.66	60.27	74.00	-13.73	42.15	11.91	40.04	33.83	167	150	Peak
2	11396.42	46.65	54.00	-7.35	28.53	11.91	40.04	33.83	167	150	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11394.74	60.13	74.00	-13.87	42.01	11.91	40.04	33.83	171	189	Peak
2	11396.30	46.56	54.00	-7.44	28.44	11.91	40.04	33.83	171	189	Average

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15806.42	61.68	74.00	-12.32	43.52	14.14	37.92	33.90	150	218	Peak	HORIZONTAL
2	15817.38	47.20	54.00	-6.80	29.04	14.14	37.92	33.90	150	218	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.06	47.20	54.00	-6.80	29.04	14.14	37.92	33.90	150	105	Average	VERTICAL
2	15815.40	61.27	74.00	-12.73	43.11	14.14	37.92	33.90	150	105	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.02	46.41	54.00	-7.59	28.62	11.58	39.88	33.67	177	153	Average	HORIZONTAL
2	10624.80	60.64	74.00	-13.36	42.83	11.58	39.90	33.67	177	153	Peak	HORIZONTAL
3	15931.76	60.82	74.00	-13.18	42.82	14.18	37.75	33.93	150	236	Peak	HORIZONTAL
4	15935.82	47.51	54.00	-6.49	29.51	14.18	37.75	33.93	150	236	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10613.84	59.88	74.00	-14.12	42.09	11.58	39.88	33.67	174	189	Peak	VERTICAL
2	10622.88	46.46	54.00	-7.54	28.65	11.58	39.90	33.67	174	189	Average	VERTICAL
3	15938.10	61.54	74.00	-12.46	43.54	14.18	37.75	33.93	150	274	Peak	VERTICAL
4	15938.20	47.51	54.00	-6.49	29.51	14.18	37.75	33.93	150	274	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11025.24	59.22	74.00	-14.78	41.09	11.76	40.20	33.83	176	245	Peak	HORIZONTAL
2	11027.82	45.84	54.00	-8.16	27.71	11.76	40.20	33.83	176	245	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.54	45.82	54.00	-8.18	27.70	11.75	40.20	33.83	169	147	Average	VERTICAL
2	11025.36	60.09	74.00	-13.91	41.96	11.76	40.20	33.83	169	147	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11103.36	46.57	54.00	-7.43	28.45	11.79	40.16	33.83	174	183	Average	HORIZONTAL
2	11104.60	59.86	74.00	-14.14	41.74	11.79	40.16	33.83	174	183	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11092.10	60.07	74.00	-13.93	41.94	11.79	40.17	33.83	185	156	Peak	VERTICAL
2	11103.28	46.64	54.00	-7.36	28.52	11.79	40.16	33.83	185	156	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11331.06	46.42	54.00	-7.58	28.29	11.89	40.07	33.83	177	227	Average	HORIZONTAL
2	11336.94	59.68	74.00	-14.32	41.55	11.89	40.07	33.83	177	227	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11333.36	60.99	74.00	-13.01	42.86	11.89	40.07	33.83	182	166	Peak	VERTICAL
2	11334.56	46.39	54.00	-7.61	28.26	11.89	40.07	33.83	182	166	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15867.05	61.71	74.00	-12.29	43.60	14.16	37.86	33.91	150	132	Peak	HORIZONTAL
2	15873.95	47.63	54.00	-6.37	29.58	14.16	37.81	33.92	150	132	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.67	47.74	54.00	-6.26	29.63	14.16	37.86	33.91	150	204	Average	VERTICAL
2	15874.58	61.32	74.00	-12.68	43.27	14.16	37.81	33.92	150	204	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11058.08	59.95	74.00	-14.05	41.82	11.77	40.19	33.83	150	164	Peak	HORIZONTAL
2	11061.50	46.40	54.00	-7.60	28.29	11.77	40.17	33.83	150	164	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.13	61.03	74.00	-12.97	42.90	11.77	40.19	33.83	150	207	Peak	VERTICAL
2	11064.31	46.37	54.00	-7.63	28.26	11.77	40.17	33.83	150	207	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.22	61.15	74.00	-12.85	43.02	11.84	40.12	33.83	150	165	Peak	HORIZONTAL
2	11224.54	47.03	54.00	-6.97	28.91	11.84	40.11	33.83	150	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11216.71	61.01	74.00	-12.99	42.88	11.84	40.12	33.83	150	204	Peak	VERTICAL
2	11219.40	47.08	54.00	-6.92	28.95	11.84	40.12	33.83	150	204	Average	VERTICAL

Straddle Channel

Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11424.48	46.97	54.00	-7.03	28.85	11.92	40.03	33.83	196	209	Average	HORIZONTAL
2	11450.32	61.52	74.00	-12.48	43.38	11.94	40.03	33.83	196	209	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11421.72	46.78	54.00	-7.22	28.66	11.92	40.03	33.83	176	232	Average	VERTICAL
2	11422.12	59.72	74.00	-14.28	41.60	11.92	40.03	33.83	176	232	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11430.34	46.39	54.00	-7.61	28.26	11.93	40.03	33.83	182	204	Average
2	11436.00	59.59	74.00	-14.41	41.46	11.93	40.03	33.83	182	204	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11430.82	46.34	54.00	-7.66	28.21	11.93	40.03	33.83	169	160	Average
2	11441.96	59.64	74.00	-14.36	41.51	11.93	40.03	33.83	169	160	Peak

Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11407.64	46.66	54.00	-7.34	28.54	11.91	40.04	33.83	169	222	Average	HORIZONTAL
2	11413.00	60.17	74.00	-13.83	42.04	11.92	40.04	33.83	169	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11402.16	46.62	54.00	-7.38	28.50	11.91	40.04	33.83	191	124	Average	VERTICAL
2	11405.12	59.92	74.00	-14.08	41.80	11.91	40.04	33.83	191	124	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11380.05	46.68	54.00	-7.32	28.55	11.91	40.05	33.83	160	180	Average
2	11384.99	60.98	74.00	-13.02	42.86	11.91	40.04	33.83	160	180	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11379.99	46.73	54.00	-7.27	28.60	11.91	40.05	33.83	167	156	Average
2	11384.31	60.30	74.00	-13.70	42.17	11.91	40.05	33.83	167	156	Peak

<For Beamforming Mode>

Dipole Antenna

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15775.27	60.18	74.00	-13.82	43.88	13.39	38.17	35.26	150	17	Peak	HORIZONTAL
2	15775.64	46.79	54.00	-7.21	30.49	13.39	38.17	35.26	150	17	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15778.48	46.64	54.00	-7.36	30.34	13.39	38.17	35.26	150	261	Average	VERTICAL
2	15781.91	59.89	74.00	-14.11	43.67	13.39	38.12	35.29	150	261	Peak	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.98	56.01	74.00	-17.99	41.34	10.59	38.94	34.86	150	64	Peak	HORIZONTAL
2	10603.37	42.25	54.00	-11.75	27.58	10.59	38.94	34.86	150	64	Average	HORIZONTAL
3	15895.75	60.09	74.00	-13.91	44.03	13.39	38.01	35.34	150	254	Peak	HORIZONTAL
4	15901.56	46.44	54.00	-7.56	30.38	13.39	38.01	35.34	150	254	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.30	42.49	54.00	-11.51	27.82	10.59	38.94	34.86	150	332	Average	VERTICAL
2	10601.22	56.19	74.00	-17.81	41.52	10.59	38.94	34.86	150	332	Peak	VERTICAL
3	15904.53	60.05	74.00	-13.95	43.99	13.39	38.01	35.34	150	175	Peak	VERTICAL
4	15904.65	46.50	54.00	-7.50	30.44	13.39	38.01	35.34	150	175	Average	VERTICAL

Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.22	41.72	54.00	-12.28	27.01	10.60	38.95	34.84	150	113	Average	HORIZONTAL
2	10642.89	54.88	74.00	-19.12	40.17	10.60	38.95	34.84	150	113	Peak	HORIZONTAL
3	15956.28	61.73	74.00	-12.27	45.75	13.39	37.95	35.36	150	165	Peak	HORIZONTAL
4	15959.25	46.74	54.00	-7.26	30.76	13.39	37.95	35.36	150	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.31	41.84	54.00	-12.16	27.13	10.60	38.95	34.84	150	332	Average	VERTICAL
2	10642.49	55.07	74.00	-18.93	40.36	10.60	38.95	34.84	150	332	Peak	VERTICAL
3	15959.89	46.57	54.00	-7.43	30.59	13.39	37.95	35.36	150	174	Average	VERTICAL
4	15960.84	60.74	74.00	-13.26	44.76	13.39	37.95	35.36	150	174	Peak	VERTICAL