



FCC Test Report

Equipment : Wireless Access Point Radio module
Brand Name : XIRRUS
Model No. : XDR241
FCC ID : SK6-XDR241
Standard : 47 CFR FCC Part 15.407
Operating Band : 5250 MHz – 5350 MHz
5470 MHz – 5725 MHz
Applicant : Xirrus, Inc.
2101 Corporate Center Drive, Thousand Oaks, CA 91320
USA
Manufacturer : Lite-On Network Communication (Dongguan) Limited
30#Keji Rd., Yin Hu Industrial Area, Qingxi Town,
DongGuan City, Guangdong, China
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client
TPC Function : TPC

The product sample received on Jul. 22, 2016 and completely tested on Oct. 13, 2016. 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.

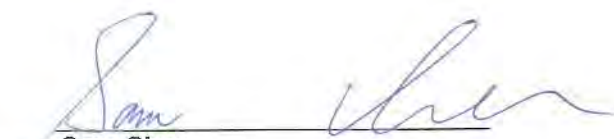

Sam Chen
SPORTON INTERNATIONAL INC.



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Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.407(a)	Emission Bandwidth	Complied
3.2	15.407(a)	Maximum Conducted Output Power	Complied
3.3	15.407(a)	Peak Power Spectral Density	Complied
3.4	15.407(b)	Unwanted Emissions	Complied
3.5	15.407(g)	Frequency Stability	Complied

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

The EUT was installed to the Wireless Access Point (brand: XIRRUS / 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.



SPORTON INTERNATIONAL INC.
TEL : 886-3-3273456
FAX : 886-3-3270973
FCC ID: SK6-XDR241

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
5.3G	HT20	20	4
5.3G	HT20,BF	20	4
5.3G	VHT20	20	4
5.3G	VHT20,BF	20	4
5.3G	HT40	40	4
5.3G	HT40,BF	40	4
5.3G	VHT40	40	4
5.3G	VHT40,BF	40	4
5.3G	VHT80	80	4
5.3G	VHT80,BF	80	4
5.6G	11a	20	4
5.6G	HT20	20	4
5.6G	HT20,BF	20	4
5.6G	VHT20	20	4
5.6G	VHT20,BF	20	4
5.6G	HT40	40	4
5.6G	HT40,BF	40	4
5.6G	VHT40	40	4
5.6G	VHT40,BF	40	4
5.6G	VHT80	80	4
5.6G	VHT80,BF	80	4
5.8G	11a	20	4

Band	Mode	BWch (MHz)	Nant
5.8G	HT20	20	4
5.8G	HT20,BF	20	4
5.8G	VHT20	20	4
5.8G	VHT20,BF	20	4
5.8G	HT40	40	4
5.8G	HT40,BF	40	4
5.8G	VHT40	40	4
5.8G	VHT40,BF	40	4
5.8G	VHT80	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)
1	EMBEDDED WORKS	EW2458-02	Dipole Antenna	Reversed-SMA	3
Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
2	Laird	PDQ24499	Directional Antenna	Reversed-SMA	9.4

Note: The EUT has two type antennas.

The system will install four modules (Radio 1(FCC ID: SK6-XDR240), Radio 2~ Radio 4(FCC ID: SK6-XDR241)).

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

Each Radio could connect to 4 chains.

After evaluated, the Radio 2 was selected to test and record in this report.

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	0.991	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	0.981	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40,BF	0.982	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT80	0.963	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 for 802.11 n/ac in 5GHz.	☐	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR681228

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

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

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v01r03
- ♦ FCC KDB 644545 D03 v01
- ♦ 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	Gino Huang	25°C / 61%	Oct. 13, 2016
Radiated	03CH01-CB	Nyle Chang, Steven Liang	26°C / 59%	Oct. 04, 2016 Oct. 11, 2016

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%



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	56
5.3G	11a	20	1	4	5300	M	56
5.3G	11a	20	1	4	5320	H	56
5.3G	VHT20	20	1,(M0)	4	5260	L	58
5.3G	VHT20	20	1,(M0)	4	5300	M	58
5.3G	VHT20	20	1,(M0)	4	5320	H	58
5.3G	VHT40	40	1,(M0)	4	5270	L	66
5.3G	VHT40	40	1,(M0)	4	5310	H	50
5.3G	VHT80	80	1,(M0)	4	5290	S	45
5.6G	11a	20	1	4	5500	L	59
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	56
5.6G	VHT20	20	1,(M0)	4	5500	L	60
5.6G	VHT20	20	1,(M0)	4	5580	M	60
5.6G	VHT20	20	1,(M0)	4	5700	H	62
5.6G	VHT20	20	1,(M0)	4	5720	C	62
5.6G	VHT40	40	1,(M0)	4	5510	L	55
5.6G	VHT40	40	1,(M0)	4	5550	M	69
5.6G	VHT40	40	1,(M0)	4	5670	H	69
5.6G	VHT40	40	1,(M0)	4	5710	C	70
5.6G	VHT80	80	1,(M0)	4	5530	L	53
5.6G	VHT80	80	1,(M0)	4	5610	H	70
5.6G	VHT80	80	1,(M0)	4	5690	C	70
5.8G	11a	20	1	4	5720	C	56
5.8G	VHT20	20	1,(M0)	4	5720	C	62
5.8G	VHT40	40	1,(M0)	4	5710	C	70
5.8G	VHT80	80	1,(M0)	4	5690	C	70
5.3G	VHT20,BF	20	1,(M0)	4	5260	L	54
5.3G	VHT20,BF	20	1,(M0)	4	5300	M	54
5.3G	VHT20,BF	20	1,(M0)	4	5320	H	53
5.3G	VHT40,BF	40	1,(M0)	4	5270	L	55
5.3G	VHT40,BF	40	1,(M0)	4	5310	H	53
5.3G	VHT80,BF	80	1,(M0)	4	5290	S	52
5.6G	VHT20,BF	20	1,(M0)	4	5500	L	55
5.6G	VHT20,BF	20	1,(M0)	4	5580	M	55



Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.6G	VHT20,BF	20	1,(M0)	4	5700	H	56
5.6G	VHT20,BF	20	1,(M0)	4	5720	C	55
5.6G	VHT40,BF	40	1,(M0)	4	5510	L	56
5.6G	VHT40,BF	40	1,(M0)	4	5550	M	56
5.6G	VHT40,BF	40	1,(M0)	4	5670	H	56
5.6G	VHT40,BF	40	1,(M0)	4	5710	C	57
5.6G	VHT80,BF	80	1,(M0)	4	5530	L	58
5.6G	VHT80,BF	80	1,(M0)	4	5610	H	56
5.6G	VHT80,BF	80	1,(M0)	4	5690	C	56
5.8G	VHT20,BF	20	1,(M0)	4	5720	C	55
5.8G	VHT40,BF	40	1,(M0)	4	5710	C	57
5.8G	VHT80,BF	80	1,(M0)	4	5690	C	56



For Directional Antenna:

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.3G	11a	20	1	4	5260	L	28
5.3G	11a	20	1	4	5300	M	28
5.3G	11a	20	1	4	5320	H	28
5.3G	VHT20	20	1,(M0)	4	5260	L	29
5.3G	VHT20	20	1,(M0)	4	5300	M	29
5.3G	VHT20	20	1,(M0)	4	5320	H	29
5.3G	VHT40	40	1,(M0)	4	5270	L	41
5.3G	VHT40	40	1,(M0)	4	5310	H	42
5.3G	VHT80	80	1,(M0)	4	5290	S	36
5.6G	11a	20	1	4	5500	L	31
5.6G	11a	20	1	4	5580	M	31
5.6G	11a	20	1	4	5700	H	31
5.6G	11a	20	1	4	5720	C	31
5.6G	VHT20	20	1,(M0)	4	5500	L	32
5.6G	VHT20	20	1,(M0)	4	5580	M	32
5.6G	VHT20	20	1,(M0)	4	5700	H	31
5.6G	VHT20	20	1,(M0)	4	5720	C	31
5.6G	VHT40	40	1,(M0)	4	5510	L	45
5.6G	VHT40	40	1,(M0)	4	5550	M	45
5.6G	VHT40	40	1,(M0)	4	5670	H	44
5.6G	VHT40	40	1,(M0)	4	5710	C	43
5.6G	VHT80	80	1,(M0)	4	5530	L	40
5.6G	VHT80	80	1,(M0)	4	5610	H	55
5.6G	VHT80	80	1,(M0)	4	5690	C	56
5.8G	11a	20	1	4	5720	C	31
5.8G	VHT20	20	1,(M0)	4	5720	C	31
5.8G	VHT40	40	1,(M0)	4	5710	C	56
5.8G	VHT80	80	1,(M0)	4	5690	C	56
5.3G	VHT20,BF	20	1,(M0)	4	5260	L	28
5.3G	VHT20,BF	20	1,(M0)	4	5300	M	28
5.3G	VHT20,BF	20	1,(M0)	4	5320	H	27
5.3G	VHT40,BF	40	1,(M0)	4	5270	L	29
5.3G	VHT40,BF	40	1,(M0)	4	5310	H	29
5.3G	VHT80,BF	80	1,(M0)	4	5290	S	30
5.6G	VHT20,BF	20	1,(M0)	4	5500	L	31
5.6G	VHT20,BF	20	1,(M0)	4	5580	M	31
5.6G	VHT20,BF	20	1,(M0)	4	5700	H	30
5.6G	VHT20,BF	20	1,(M0)	4	5720	C	31
5.6G	VHT40,BF	40	1,(M0)	4	5510	L	31
5.6G	VHT40,BF	40	1,(M0)	4	5550	M	32
5.6G	VHT40,BF	40	1,(M0)	4	5670	H	31

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.6G	VHT40,BF	40	1,(M0)	4	5710	C	31
5.6G	VHT80,BF	80	1,(M0)	4	5530	L	31
5.6G	VHT80,BF	80	1,(M0)	4	5610	H	31
5.6G	VHT80,BF	80	1,(M0)	4	5690	C	32
5.8G	VHT20,BF	20	1,(M0)	4	5720	C	31
5.8G	VHT40,BF	40	1,(M0)	4	5710	C	31
5.8G	VHT80,BF	80	1,(M0)	4	5690	C	32

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	
1	Radio 1 (2.4GHz) + Radio 2 (5GHz Band 1) + Radio 3 (5GHz Band 2) + Radio 4 (5GHz Band 4)
2	Radio 1 (5GHz Band 1) + Radio 2 (5GHz Band 2) + Radio 3 (5GHz Band 3) + Radio 4 (5GHz Band 4)
3	Radio 1 (5GHz Band 2) + Radio 2 (5GHz Band 3) + Radio 3 (5GHz Band 4) + Radio 4 (5GHz Band 1)
4	Radio 1 (5GHz Band 3) + Radio 2 (5GHz Band 4) + Radio 3 (5GHz Band 1) + Radio 4 (5GHz Band 2)
5	Radio 1 (5GHz Band 4) + Radio 2 (5GHz Band 1) + Radio 3 (5GHz Band 2) + Radio 4 (5GHz Band 3)
Refer to Sporton Test Report No.: FA681228-01 for Co-location RF Exposure Evaluation.	

Note: The Wireless Access Point (brand: XIRRUS / model: XA4240) will install four radio modules (Radio 1 (FCC ID: SK6-XDR240), Radio 2~ Radio 4(FCC ID: SK6-XDR241). These four radios will be operated in different bands.



2.3 EUT Operation during Test

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 98%

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: 03CH01-CB

<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

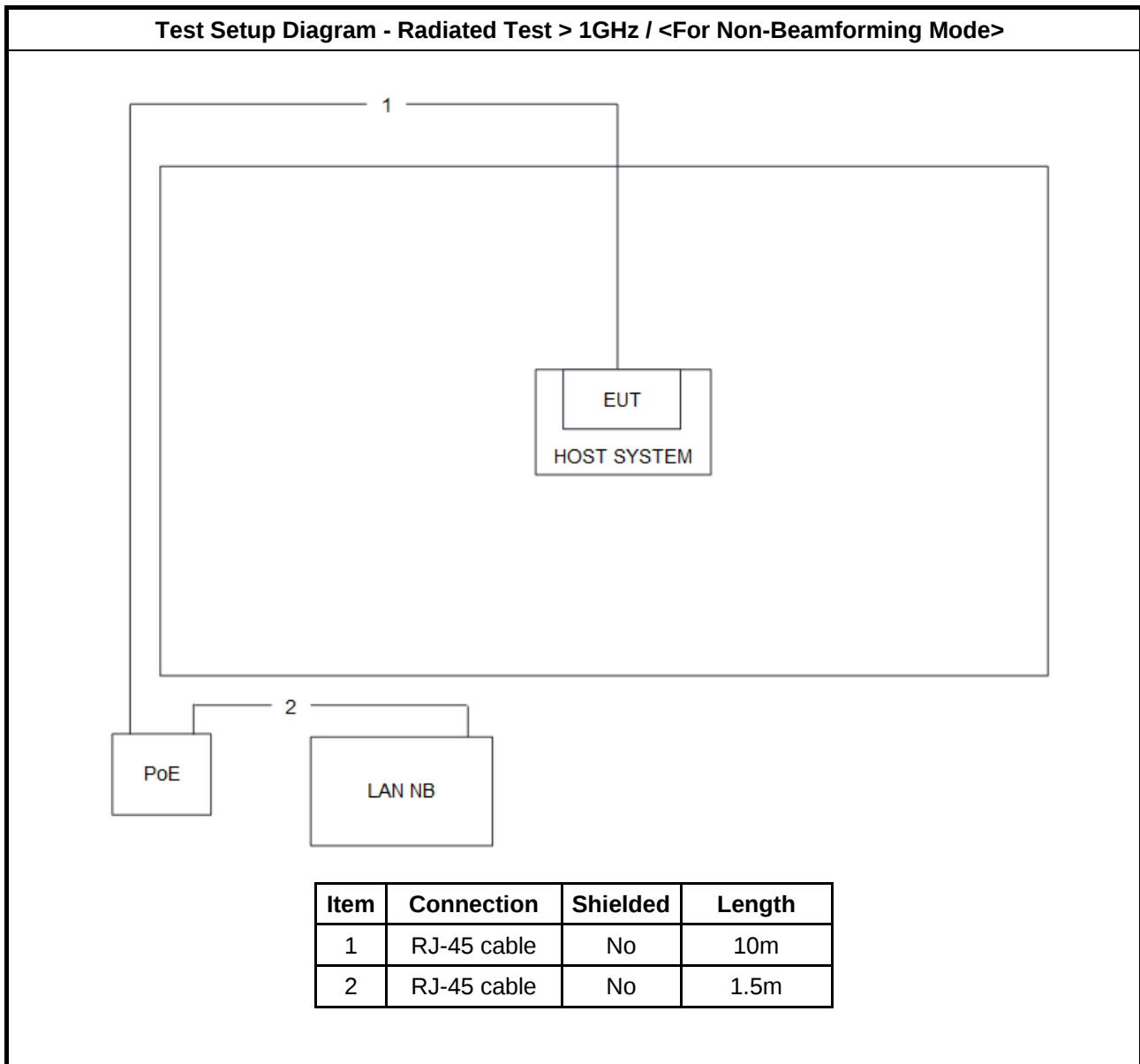
<For Beamforming Mode>

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

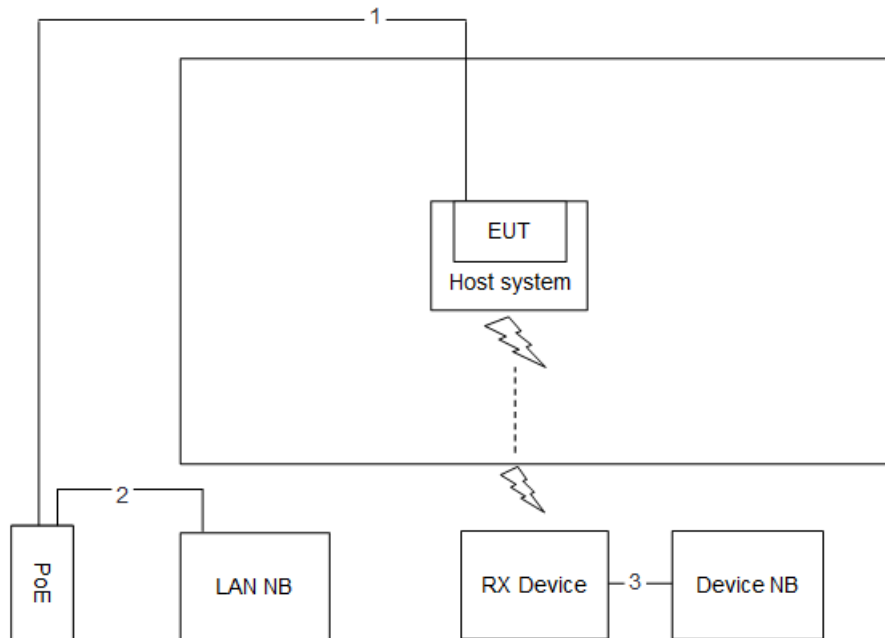
For Test Site No: TH01-CB

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 / <For Beamforming Mode>



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 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 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.

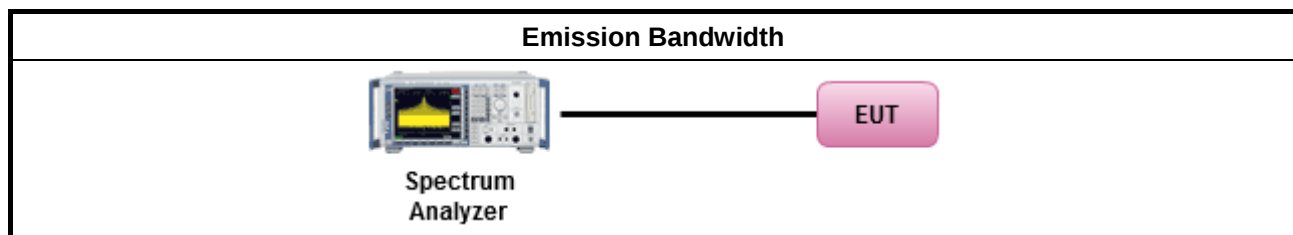
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

3.2.2 Measuring Instruments

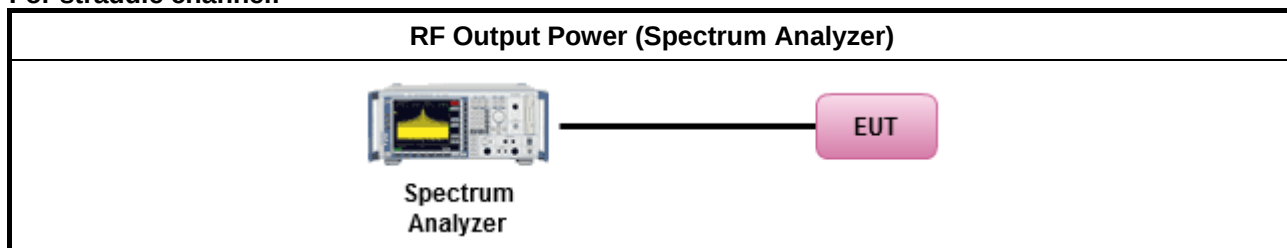
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

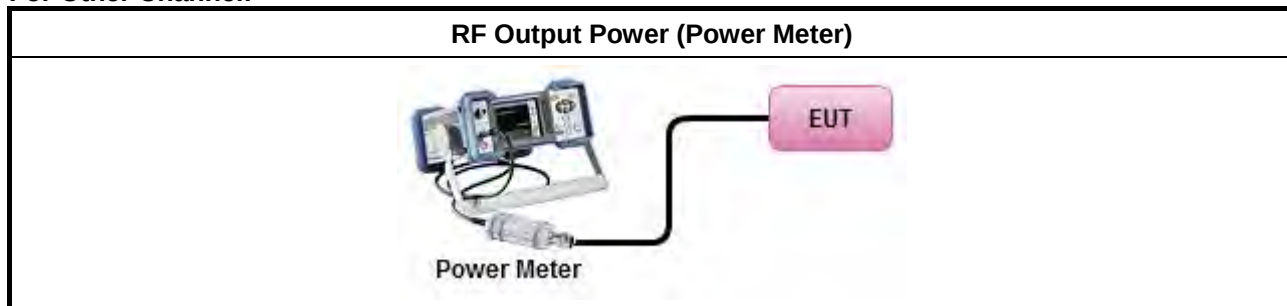
Test Method	
Maximum Conducted Output Power	
	[duty cycle $\geq$ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

For straddle channel:



For Other Channel:





3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the 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.	

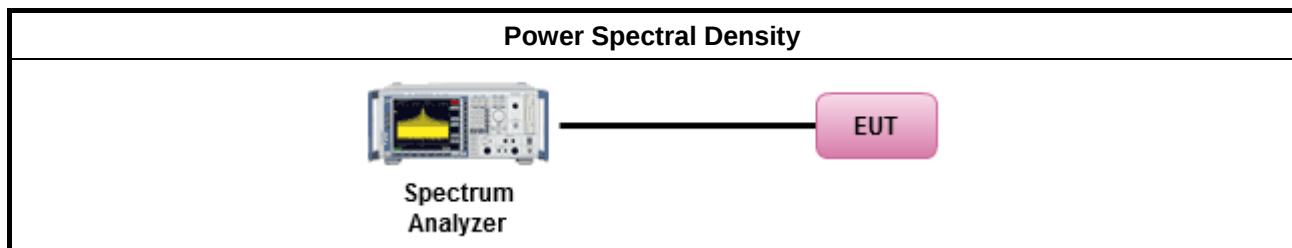
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as FCC KDB 789033, F5) 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]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup





3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

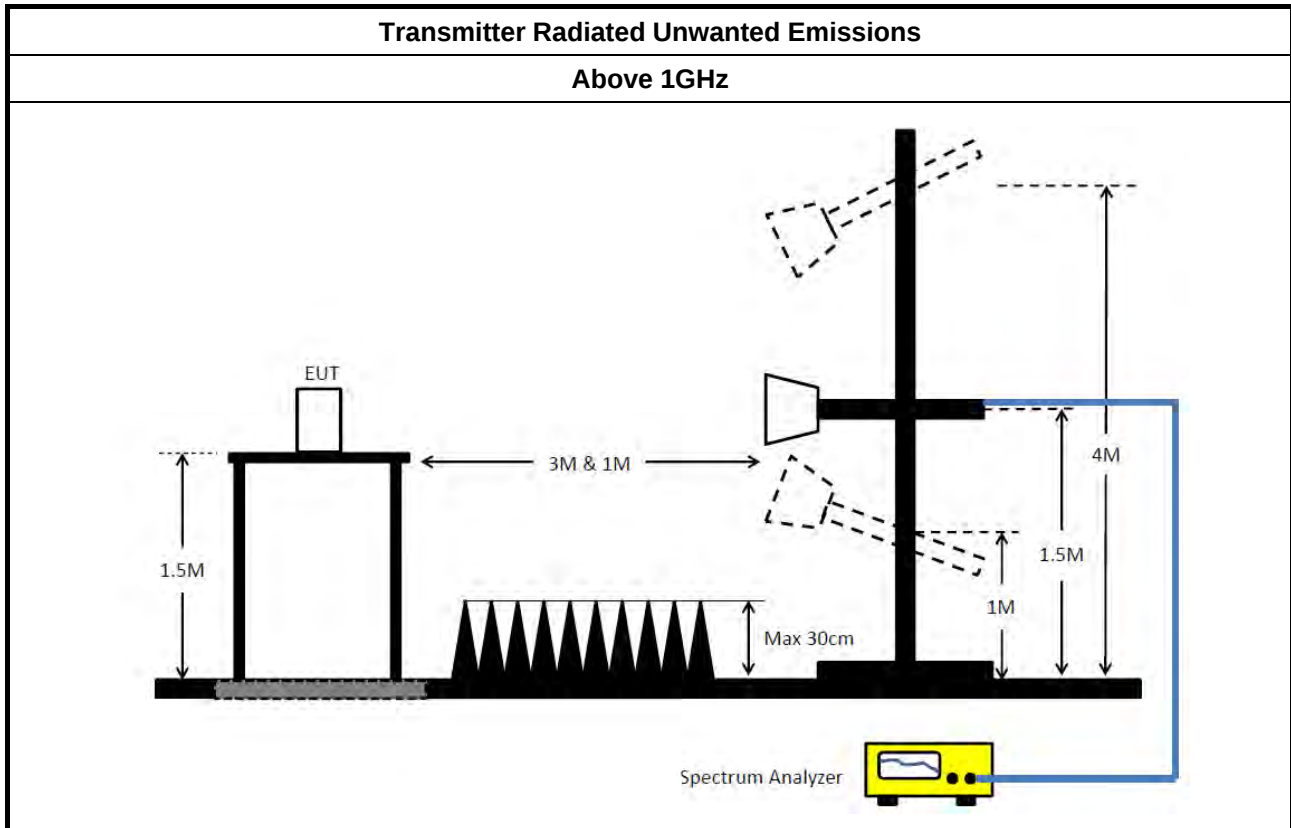
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, 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.	

3.4.4 Test Setup



3.4.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

3.5 Frequency Stability

3.5.1 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.	

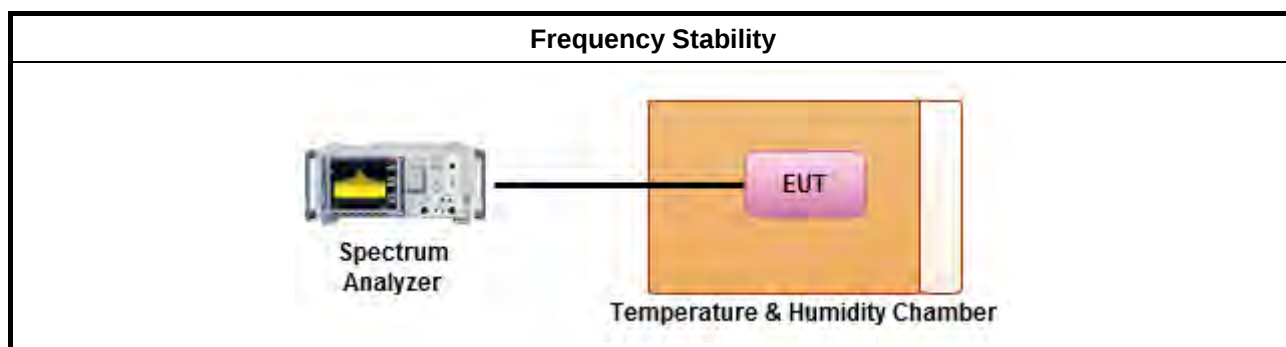
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
Refer as 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.

3.5.4 Test Setup





3.5.5 Test Result of Frequency Stability

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 13, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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



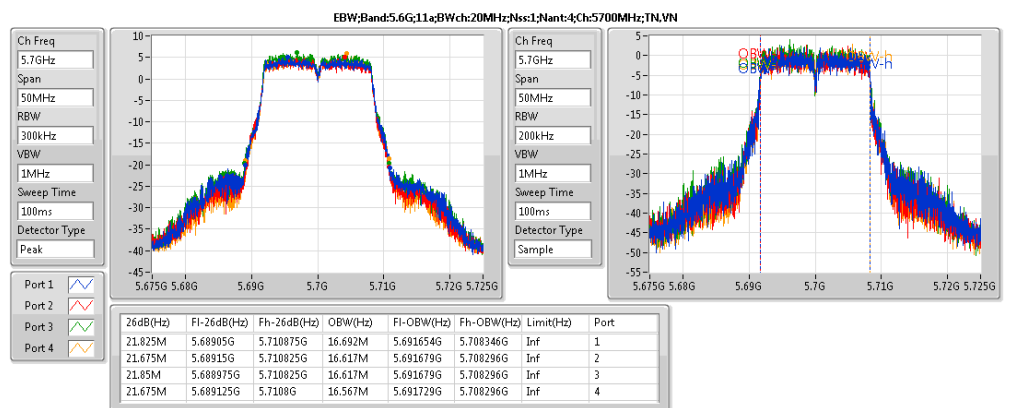
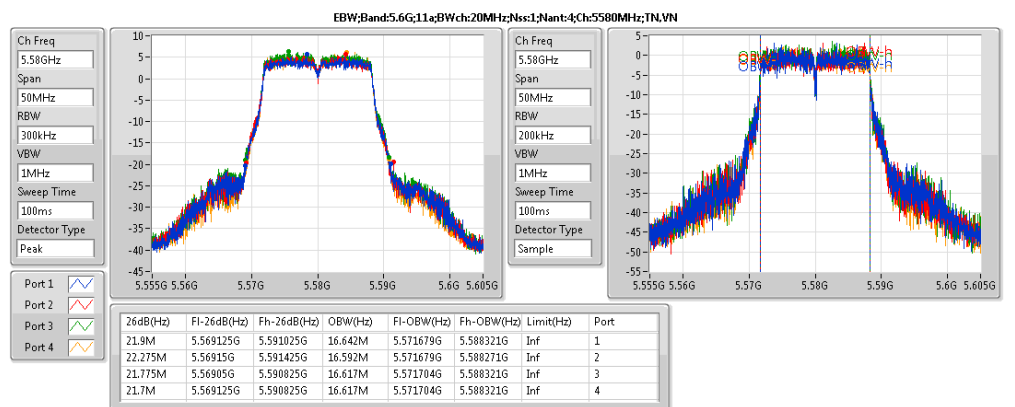
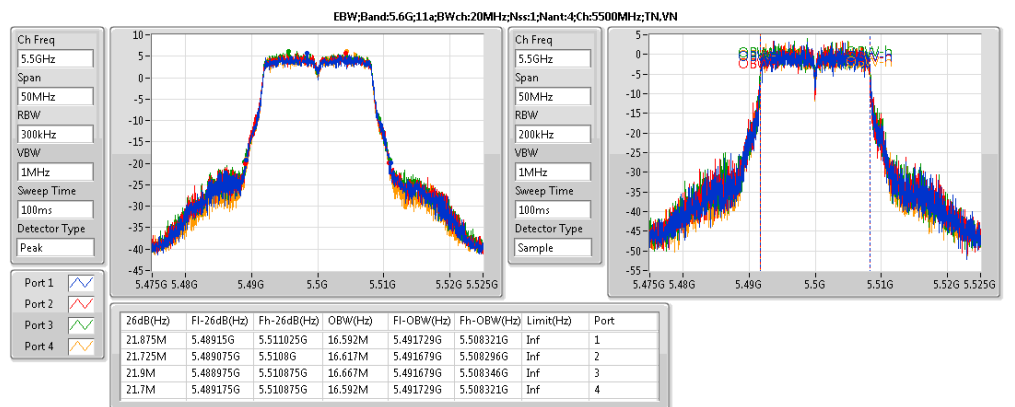
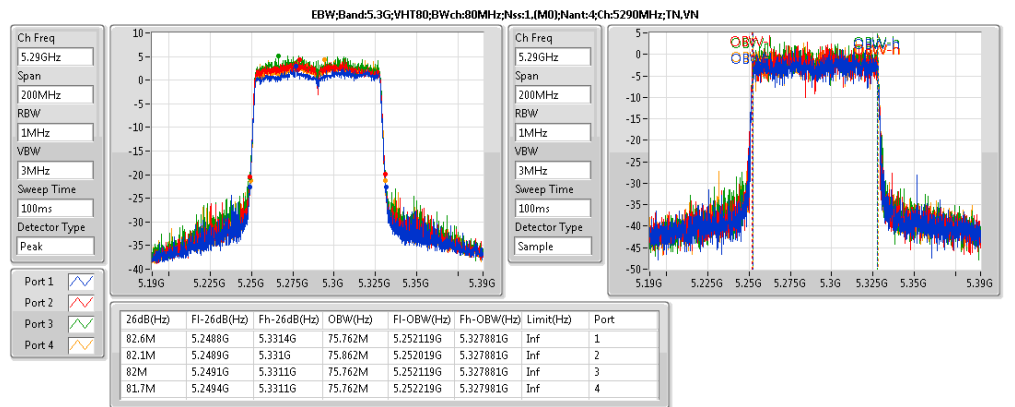
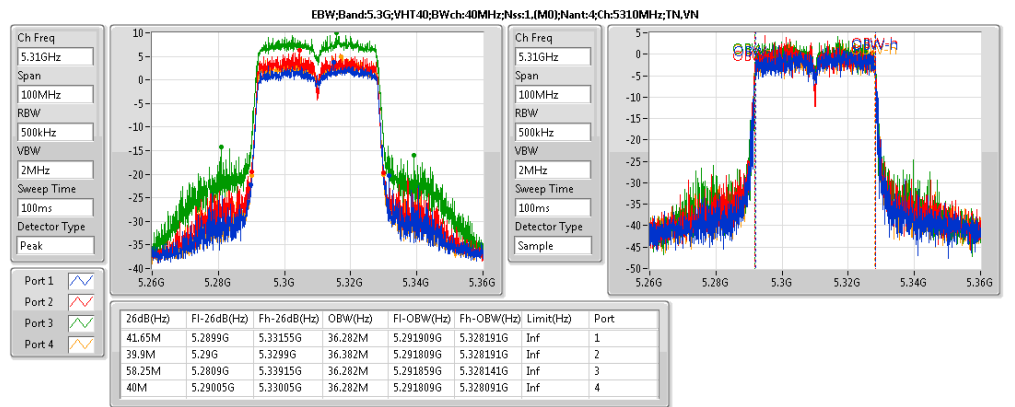
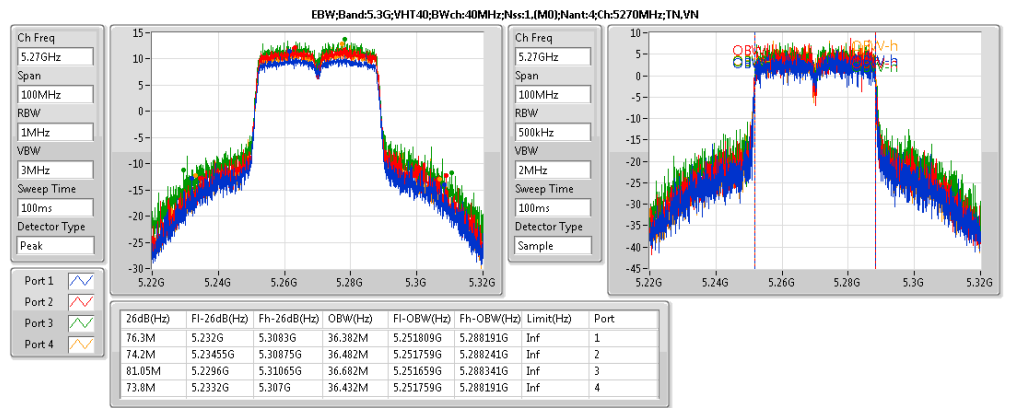
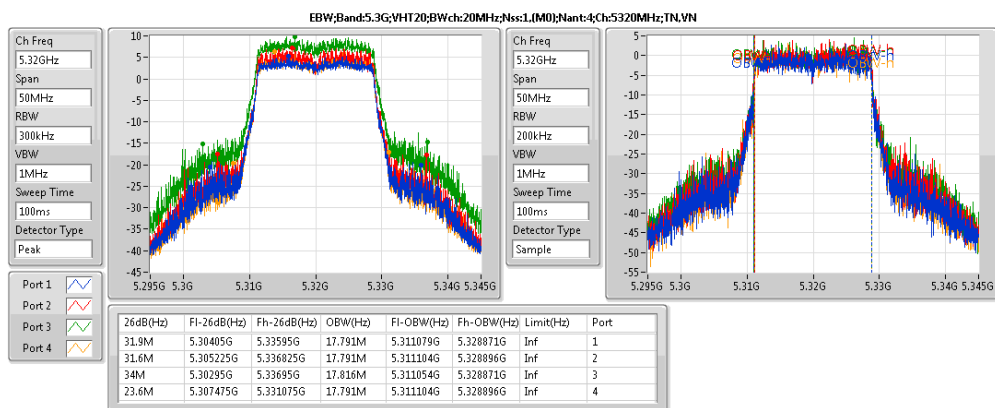
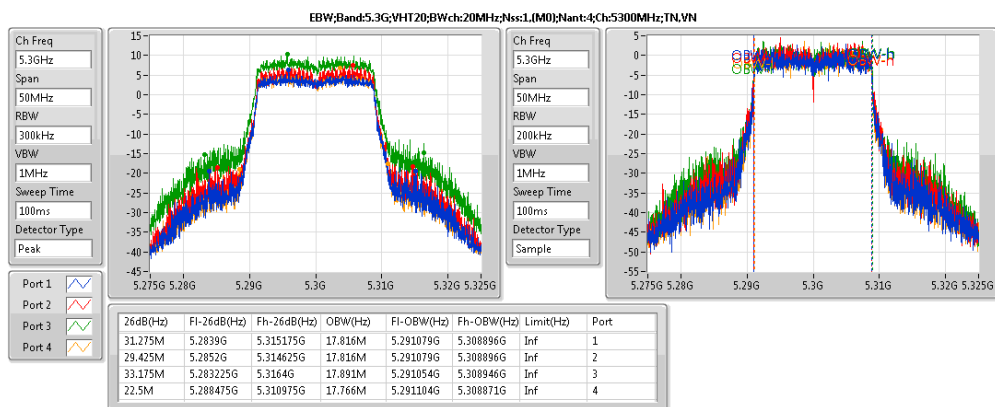
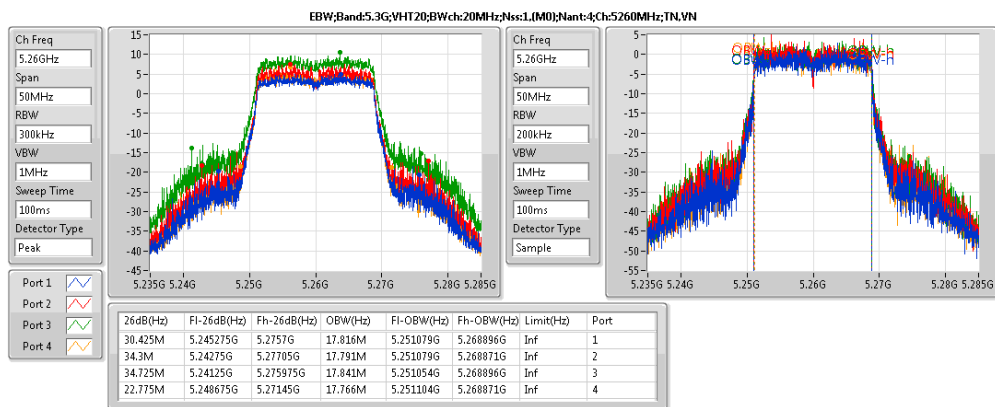
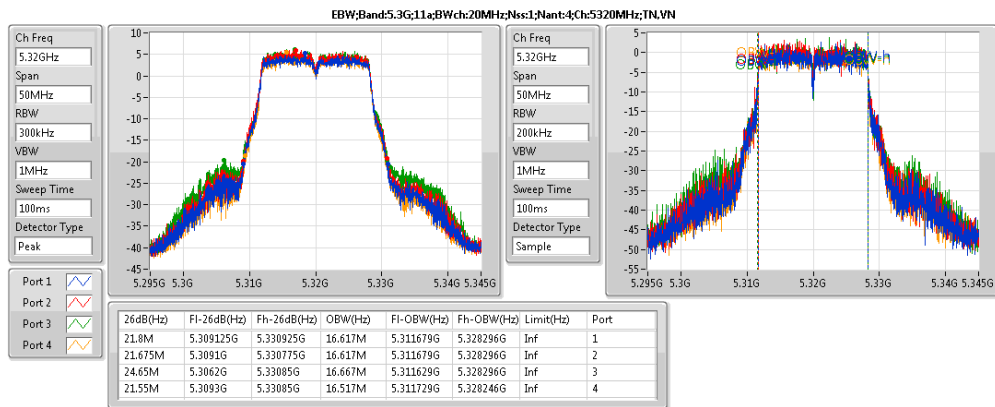
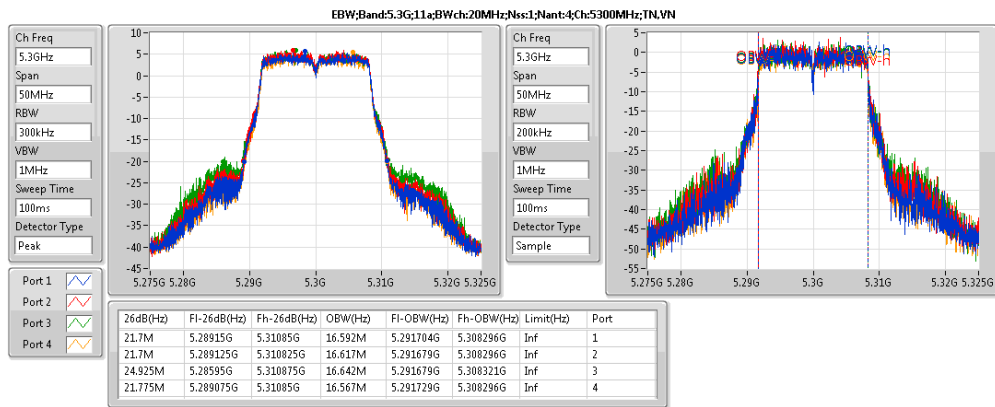
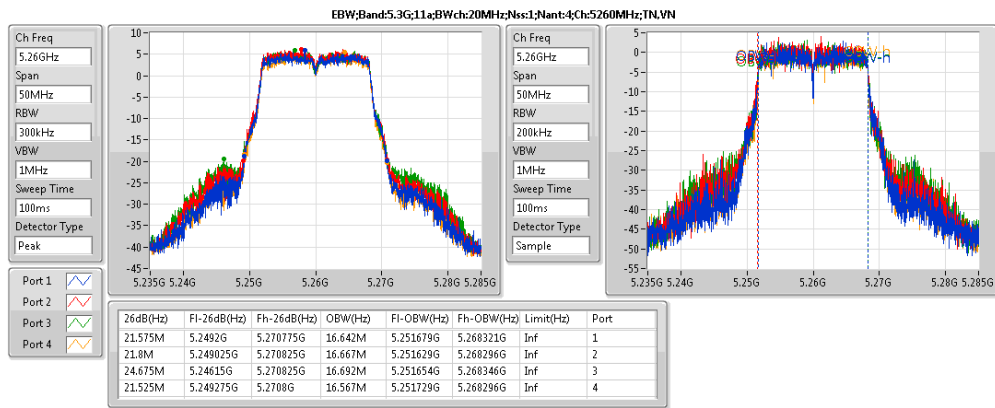
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.3G;11a;Nss1;Ntx4	24.925M	16.692M	16M7D1D	21.525M	16.517M
5.3G;VHT20;Nss1,(M0);Ntx4	34.725M	17.891M	17M9D1D	22.5M	17.766M
5.3G;VHT40;Nss1,(M0);Ntx4	81.05M	36.682M	36M7D1D	39.9M	36.282M
5.3G;VHT80;Nss1,(M0);Ntx4	82.6M	75.862M	75M9D1D	81.7M	75.762M
5.6G;11a;Nss1;Ntx4	22.275M	16.692M	16M7D1D	15.705M	13.253M
5.6G;VHT20;Nss1,(M0);Ntx4	35.95M	17.866M	17M9D1D	16.23M	13.868M
5.6G;VHT40;Nss1,(M0);Ntx4	83.4M	36.632M	36M6D1D	39.75M	33.093M
5.6G;VHT80;Nss1,(M0);Ntx4	163.9M	76.362M	76M4D1D	81.5M	72.639M
5.8G;11a;Nss1;Ntx4	3.2M	4.418M	4M42D1D	3.16M	4.058M
5.8G;VHT20;Nss1,(M0);Ntx4	3.88M	4.658M	4M66D1D	3.78M	4.418M
5.8G;VHT40;Nss1,(M0);Ntx4	3.16M	20.83M	20M8D1D	3.14M	17.311M
5.8G;VHT80;Nss1,(M0);Ntx4	3.16M	33.963M	34M0D1D	3.14M	31.744M
5.3G;VHT20,BF;Nss1,(M0);Ntx4	36.025M	17.791M	17M8D1D	21.95M	17.716M
5.3G;VHT40,BF;Nss1,(M0);Ntx4	48.5M	36.282M	36M3D1D	40.15M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4	85.2M	75.962M	76M0D1D	81.8M	75.762M
5.6G;VHT20,BF;Nss1,(M0);Ntx4	27.375M	17.816M	17M8D1D	15.84M	13.868M
5.6G;VHT40,BF;Nss1,(M0);Ntx4	65.2M	36.382M	36M4D1D	35.035M	32.954M
5.6G;VHT80,BF;Nss1,(M0);Ntx4	97.5M	75.962M	76M0D1D	75.75M	72.414M
5.8G;VHT20,BF;Nss1,(M0);Ntx4	3.8M	4.378M	4M38D1D	3.8M	4.318M
5.8G;VHT40,BF;Nss1,(M0);Ntx4	3.16M	4.158M	4M16D1D	3.16M	3.738M
5.8G;VHT80,BF;Nss1,(M0);Ntx4	3.16M	13.893M	13M9D1D	3.14M	6.197M



Result

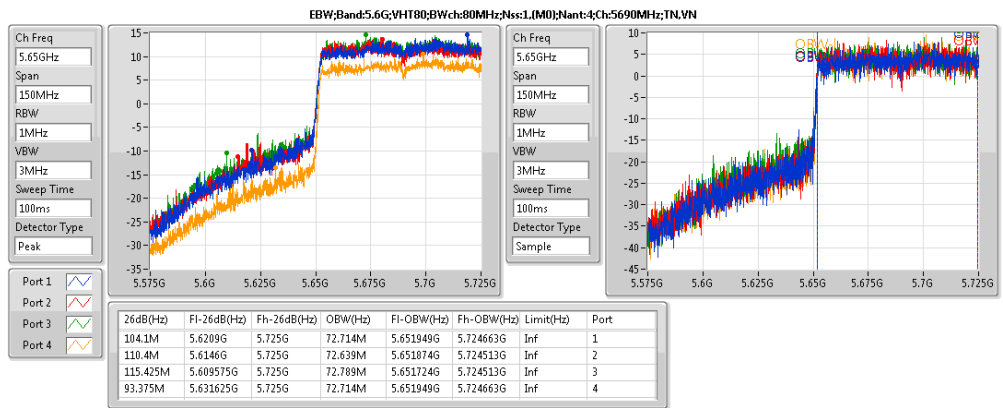
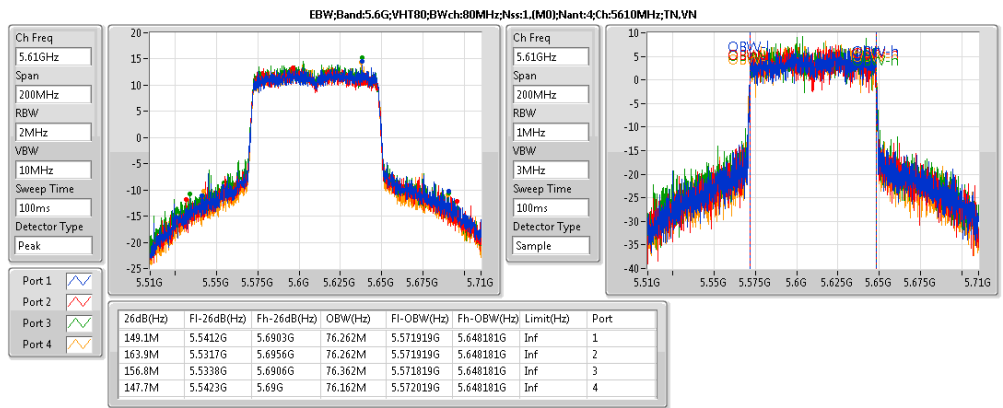
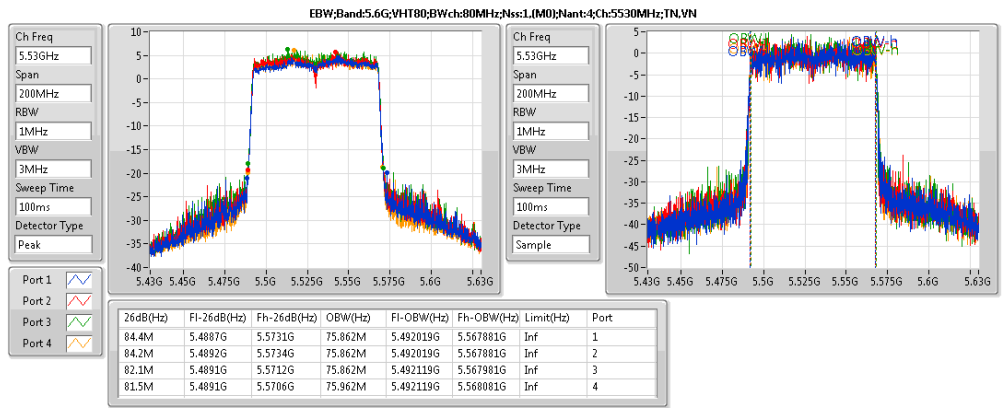
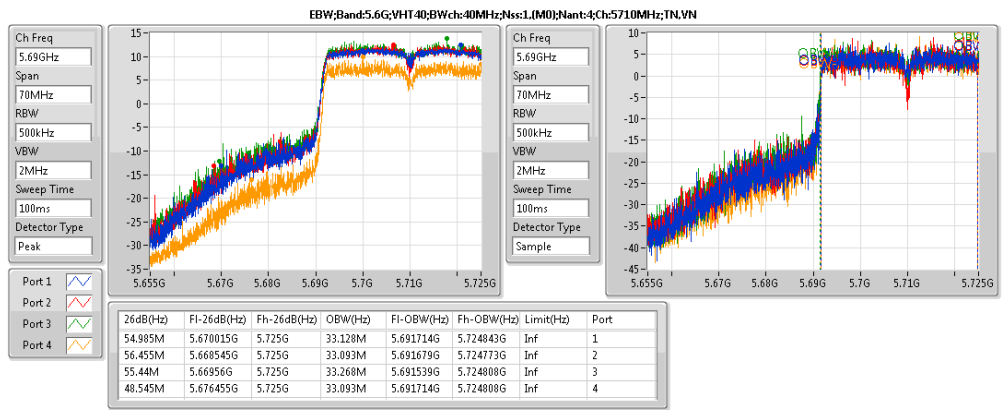
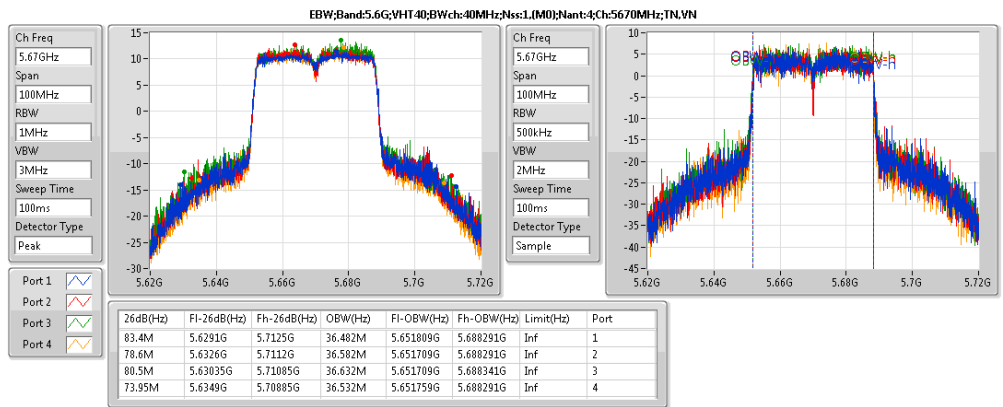
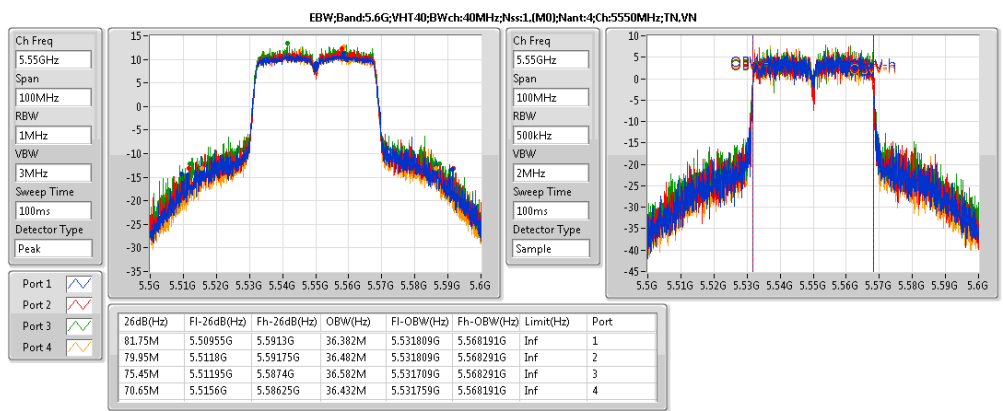
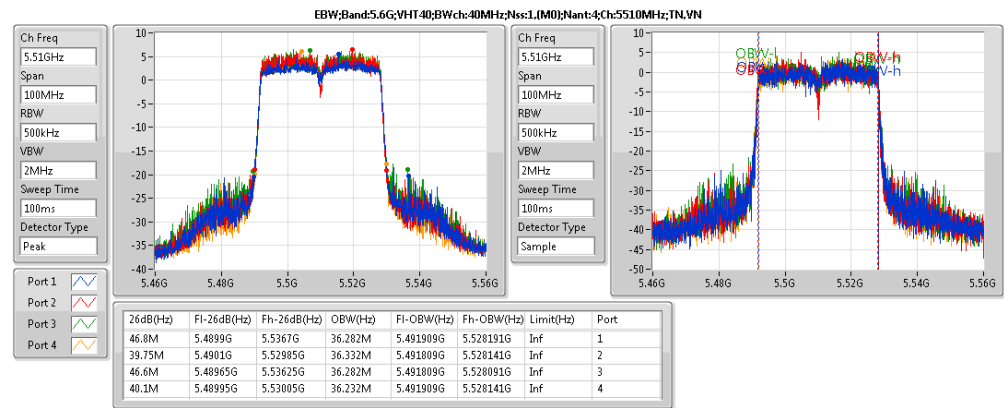
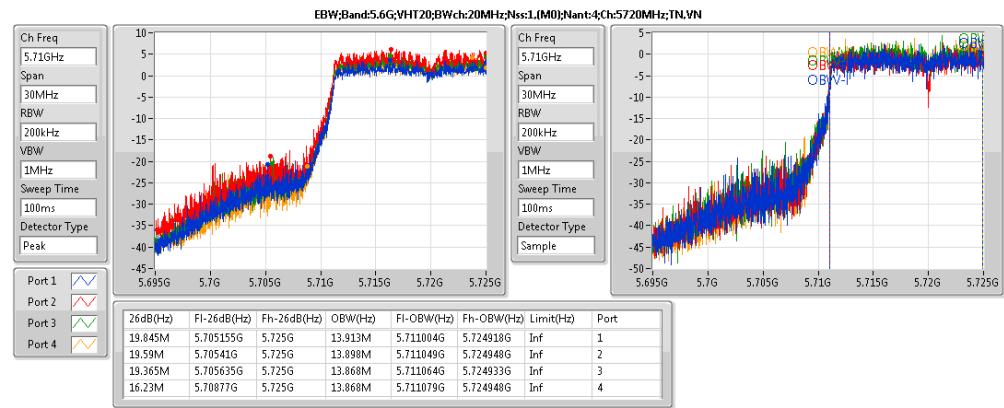
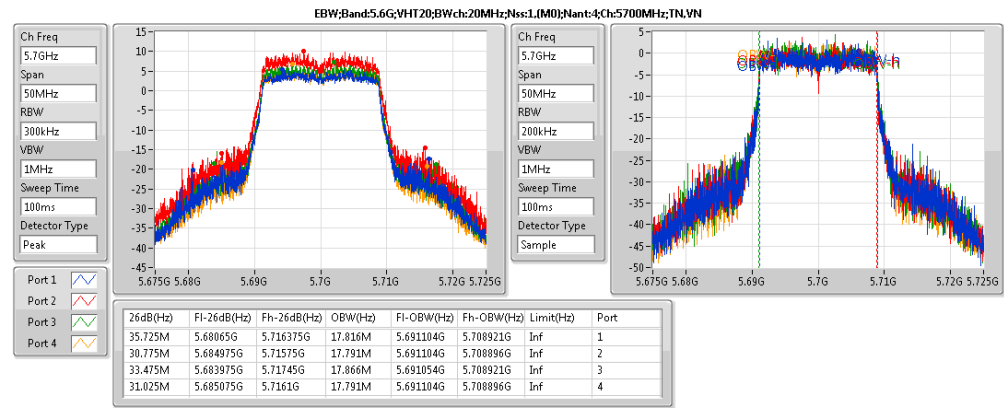
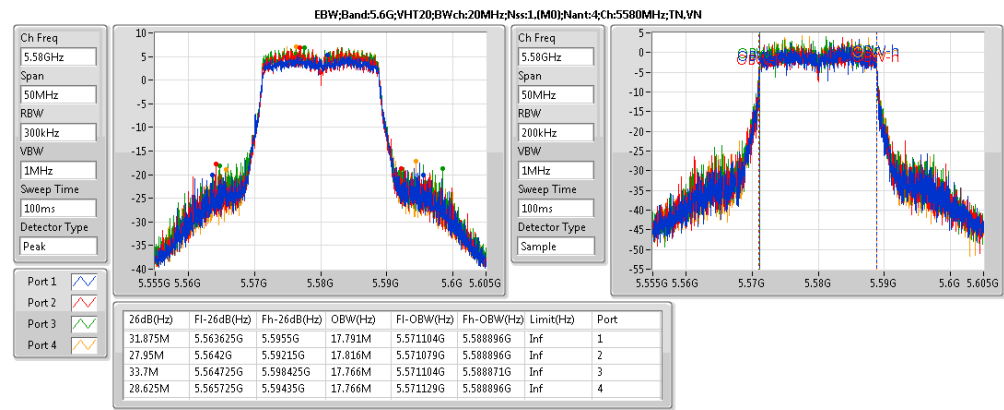
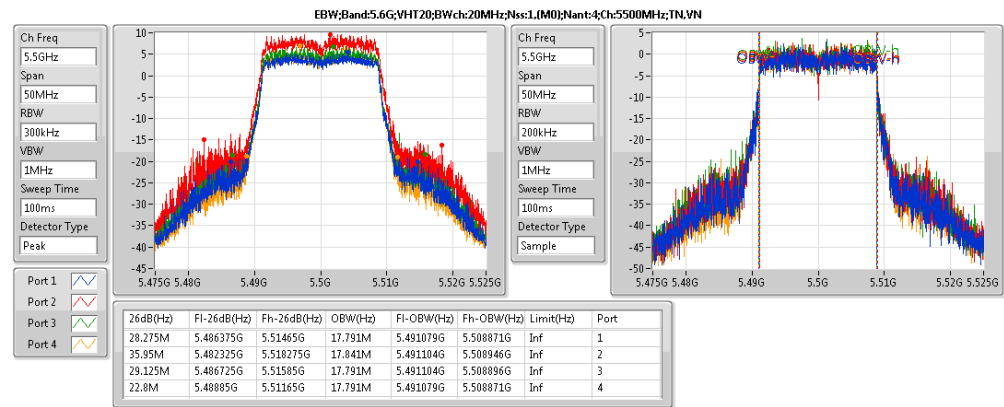
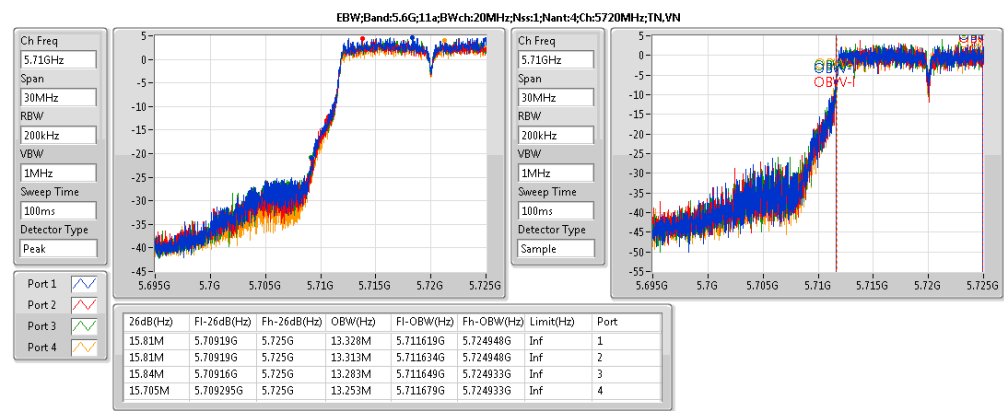
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5.3G;11a;Nss1;Ntx4;5260	Pass	Inf	21.575M	16.642M	21.8M	16.667M	24.675M	16.692M	21.525M	16.567M
5.3G;11a;Nss1;Ntx4;5300	Pass	Inf	21.7M	16.592M	21.7M	16.617M	24.925M	16.642M	21.775M	16.567M
5.3G;11a;Nss1;Ntx4;5320	Pass	Inf	21.8M	16.617M	21.675M	16.617M	24.65M	16.667M	21.55M	16.517M
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	Inf	30.425M	17.816M	34.3M	17.791M	34.725M	17.841M	22.775M	17.766M
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	Inf	31.275M	17.816M	29.425M	17.816M	33.175M	17.891M	22.5M	17.766M
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	Inf	31.9M	17.791M	31.6M	17.791M	34M	17.816M	23.6M	17.791M
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	Inf	76.3M	36.382M	74.2M	36.482M	81.05M	36.682M	73.8M	36.432M
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	Inf	41.65M	36.282M	39.9M	36.382M	58.25M	36.282M	40M	36.282M
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	Inf	82.6M	75.762M	82.1M	75.862M	82M	75.762M	81.7M	75.762M
5.6G;11a;Nss1;Ntx4;5500	Pass	Inf	21.875M	16.592M	21.725M	16.617M	21.9M	16.667M	21.7M	16.592M
5.6G;11a;Nss1;Ntx4;5580	Pass	Inf	21.9M	16.642M	22.275M	16.592M	21.775M	16.617M	21.7M	16.617M
5.6G;11a;Nss1;Ntx4;5700	Pass	Inf	21.825M	16.692M	21.675M	16.617M	21.85M	16.617M	21.675M	16.567M
5.6G;11a;Nss1;Ntx4;5720	Pass	Inf	15.81M	13.328M	15.81M	13.313M	15.84M	13.283M	15.705M	13.253M
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	Inf	28.275M	17.791M	35.95M	17.841M	29.125M	17.791M	22.8M	17.791M
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	Inf	31.875M	17.791M	27.95M	17.816M	33.7M	17.766M	28.625M	17.766M
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	Inf	35.725M	17.816M	30.775M	17.791M	33.475M	17.866M	31.025M	17.791M
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	Inf	19.845M	13.913M	19.59M	13.898M	19.365M	13.868M	16.23M	13.868M
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	Inf	46.8M	36.282M	39.75M	36.332M	46.6M	36.282M	40.1M	36.232M
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	Inf	81.75M	36.382M	79.95M	36.482M	75.45M	36.582M	70.65M	36.432M
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	Inf	83.4M	36.482M	78.6M	36.582M	80.5M	36.632M	73.95M	36.532M
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	Inf	54.985M	33.128M	56.455M	33.093M	55.44M	33.268M	48.545M	33.093M
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	Inf	84.4M	75.862M	84.2M	75.862M	82.1M	75.862M	81.5M	75.962M
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	Inf	149.1M	76.262M	163.9M	76.262M	156.8M	76.362M	147.7M	76.162M
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	Inf	104.1M	72.714M	110.4M	72.639M	115.425M	72.789M	93.375M	72.714M
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	3.18M	4.418M	3.16M	4.278M	3.16M	4.058M	3.2M	4.198M
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	3.88M	4.658M	3.8M	4.518M	3.78M	4.618M	3.8M	4.418M
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	3.16M	20.23M	3.16M	20.49M	3.14M	20.83M	3.16M	17.311M
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	3.16M	33.523M	3.16M	33.683M	3.14M	33.963M	3.14M	31.744M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	Inf	22.025M	17.791M	22.725M	17.791M	29.225M	17.791M	21.95M	17.791M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	Inf	26.075M	17.791M	22.175M	17.741M	36.025M	17.791M	22.05M	17.741M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	Inf	22.05M	17.791M	24.875M	17.716M	26.95M	17.766M	21.975M	17.716M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	Inf	48.35M	36.232M	43.55M	36.232M	48.5M	36.282M	40.15M	36.232M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	Inf	40.15M	36.232M	47.25M	36.282M	43.55M	36.282M	40.2M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	Inf	85.2M	75.962M	82.5M	75.862M	82.5M	75.762M	81.8M	75.862M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	Inf	25.175M	17.766M	21.6M	17.741M	21.725M	17.816M	21.55M	17.766M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	Inf	24.375M	17.741M	21.625M	17.766M	21.9M	17.716M	21.55M	17.716M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	Inf	22.3M	17.791M	27.375M	17.791M	22.2M	17.766M	22.025M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	Inf	15.99M	13.928M	15.975M	13.883M	15.84M	13.868M	15.87M	13.868M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	Inf	62.4M	36.282M	41.75M	36.282M	46.95M	36.282M	40.5M	36.232M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	Inf	47.05M	36.182M	40.7M	36.232M	57.15M	36.332M	47.85M	36.182M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	Inf	65.2M	36.282M	48.2M	36.282M	42.55M	36.332M	48.5M	36.382M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	Inf	43.54M	32.954M	35.91M	33.023M	43.575M	33.023M	35.035M	33.023M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	Inf	96.5M	75.662M	87.6M	75.862M	97.5M	75.662M	82.2M	75.862M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	Inf	91.3M	75.962M	86.8M	75.762M	87.9M	75.962M	82M	75.662M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	Inf	78.6M	72.414M	76.8M	72.639M	76.125M	72.489M	75.75M	72.414M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	3.8M	4.378M	3.8M	4.318M	3.8M	4.358M	3.8M	4.318M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	3.16M	3.998M	3.16M	4.158M	3.16M	4.098M	3.16M	3.738M
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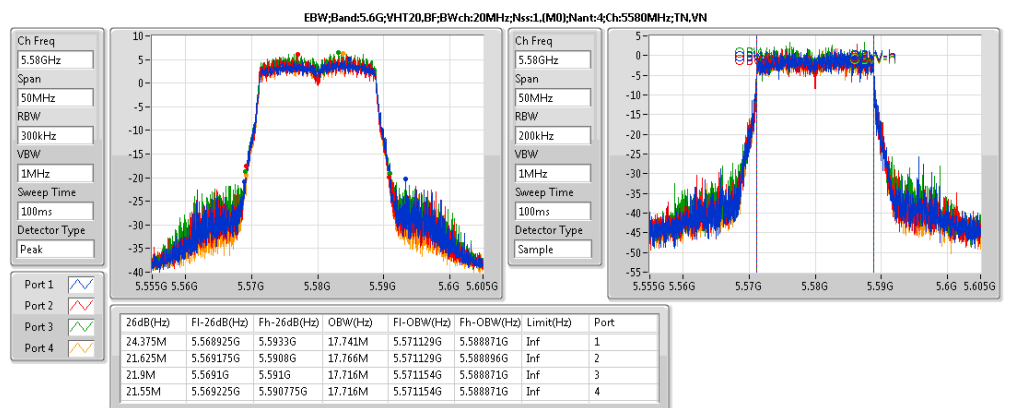
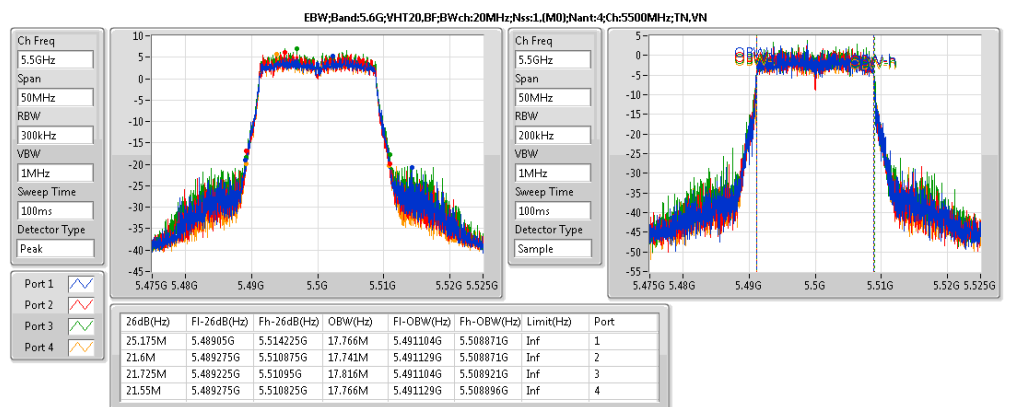
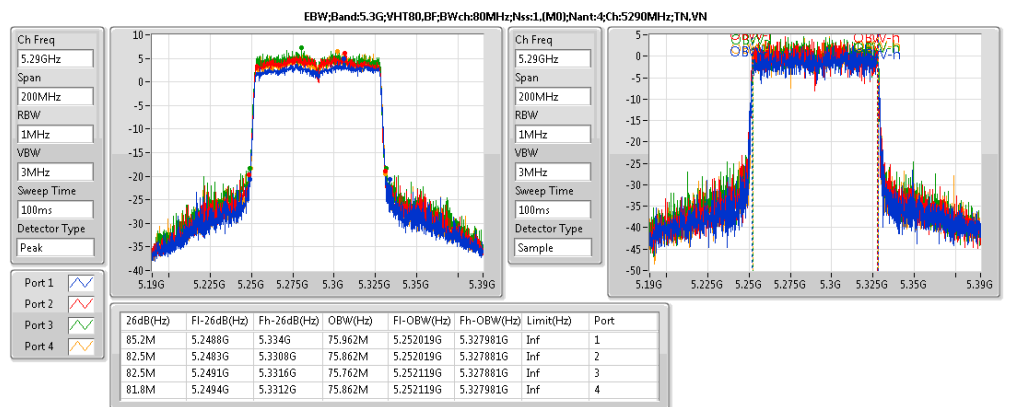
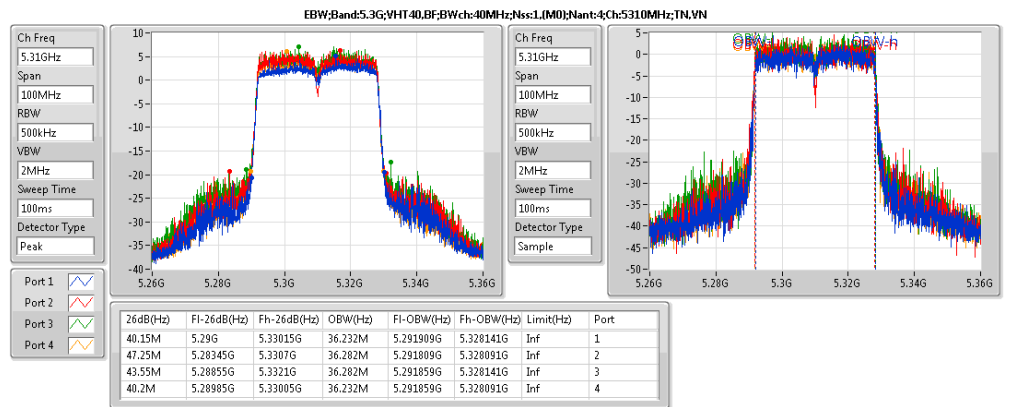
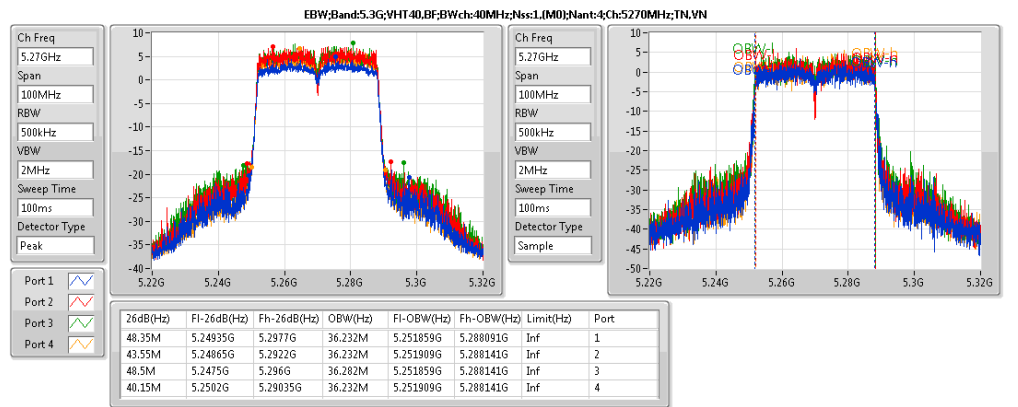
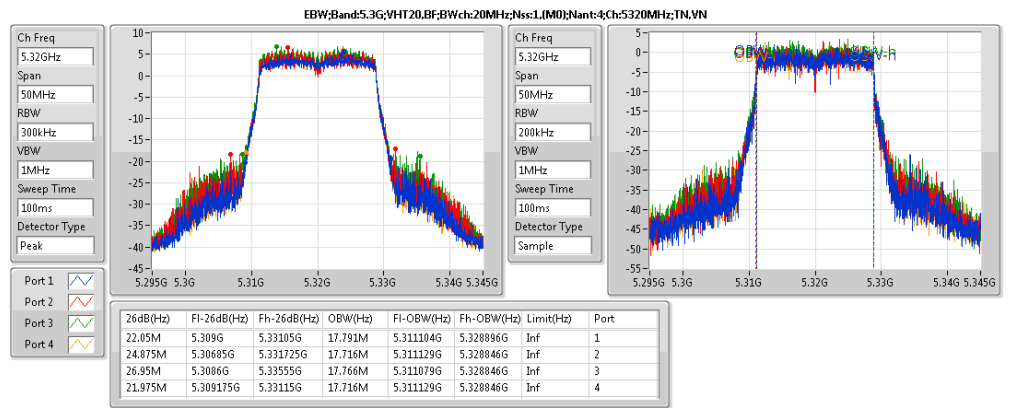
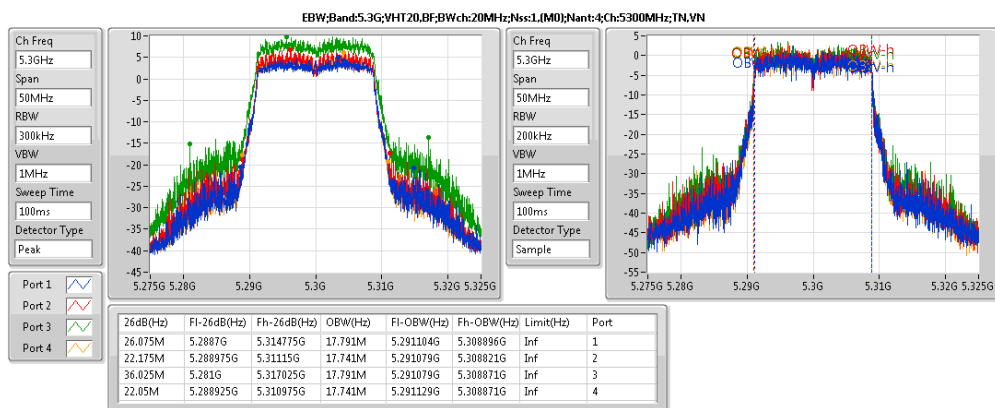
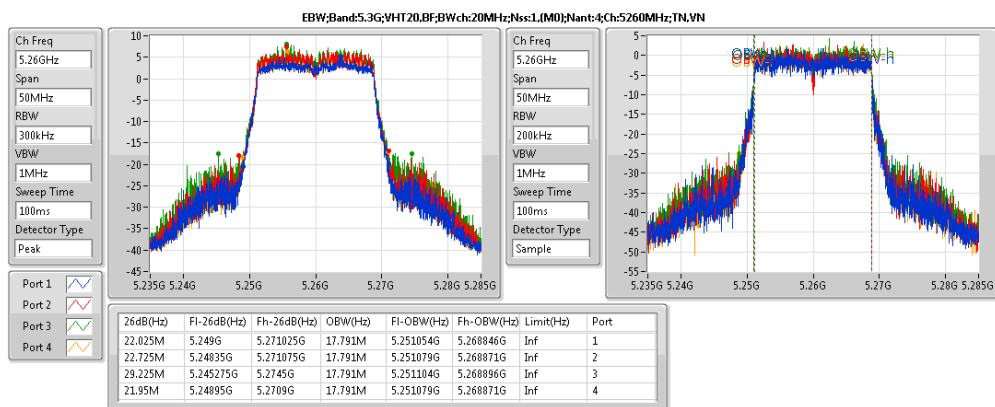
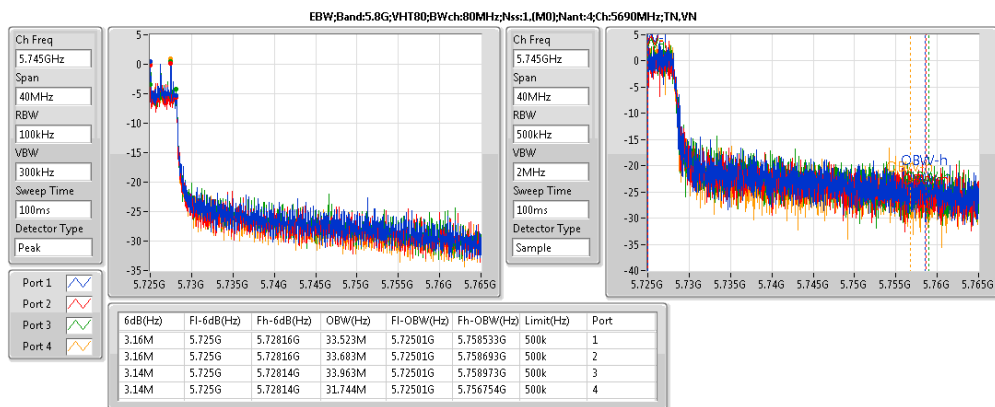
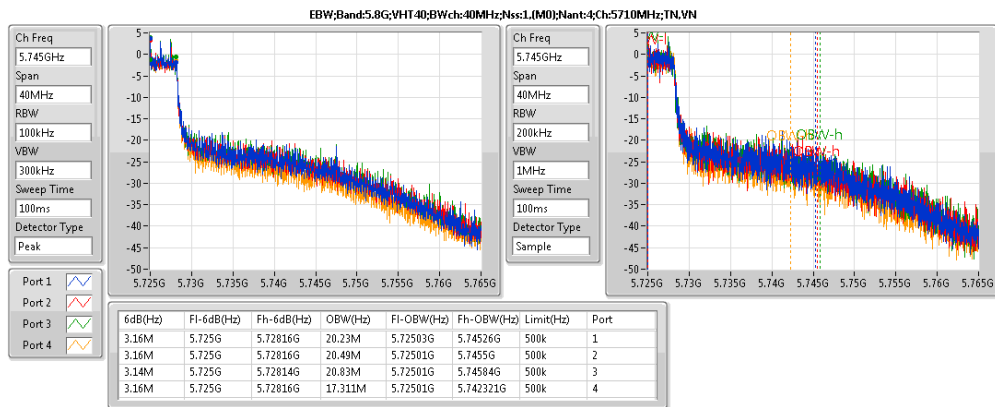
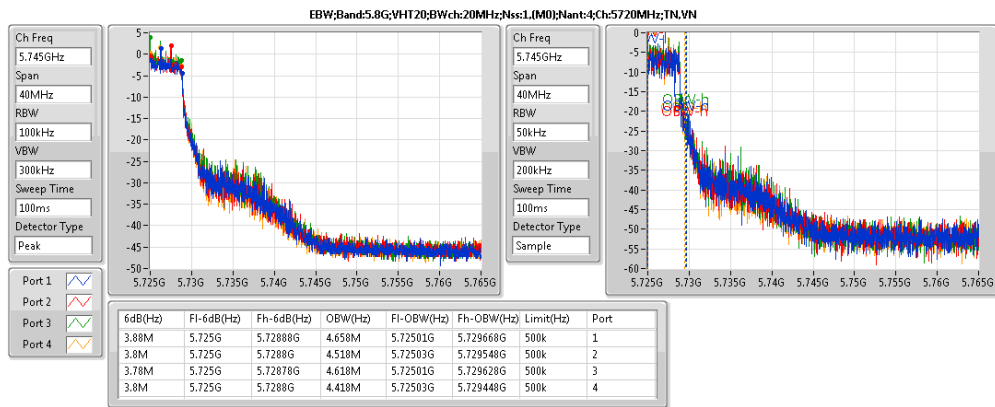
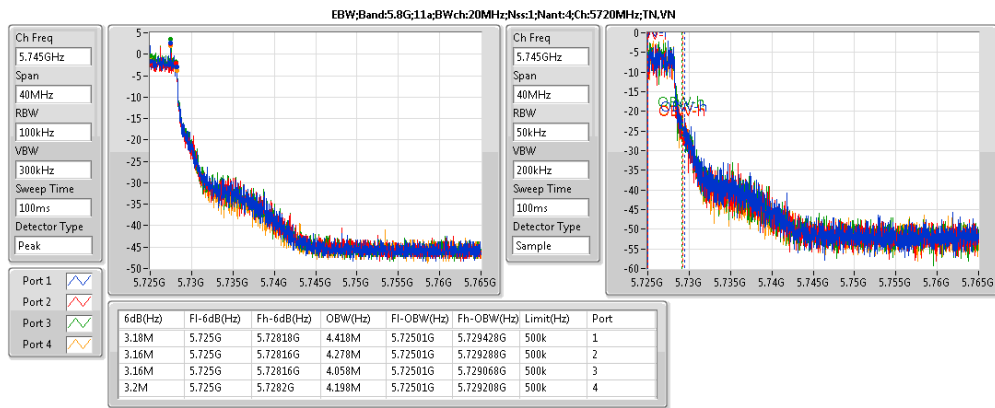


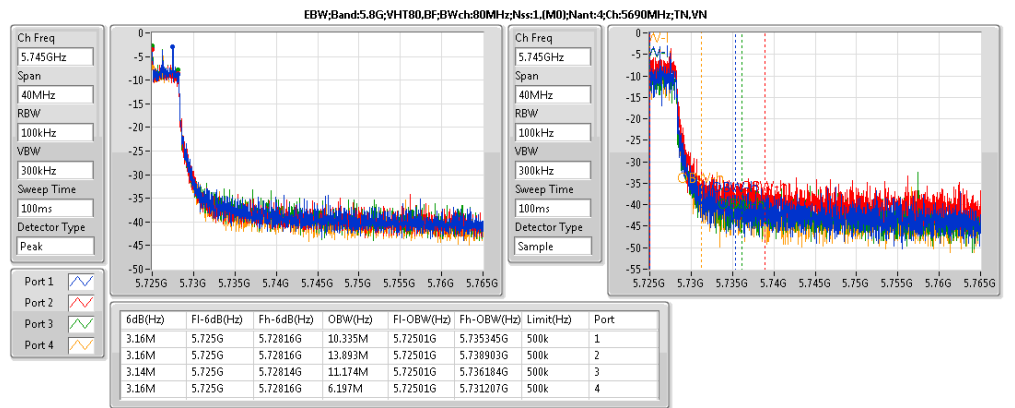
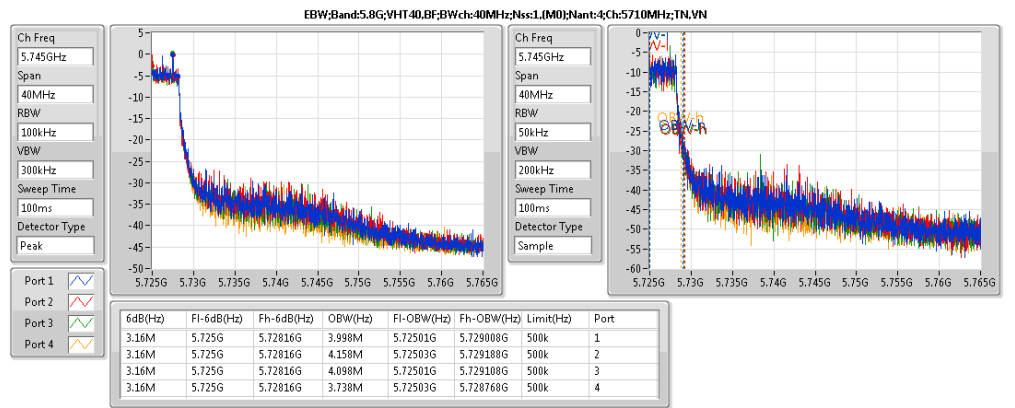
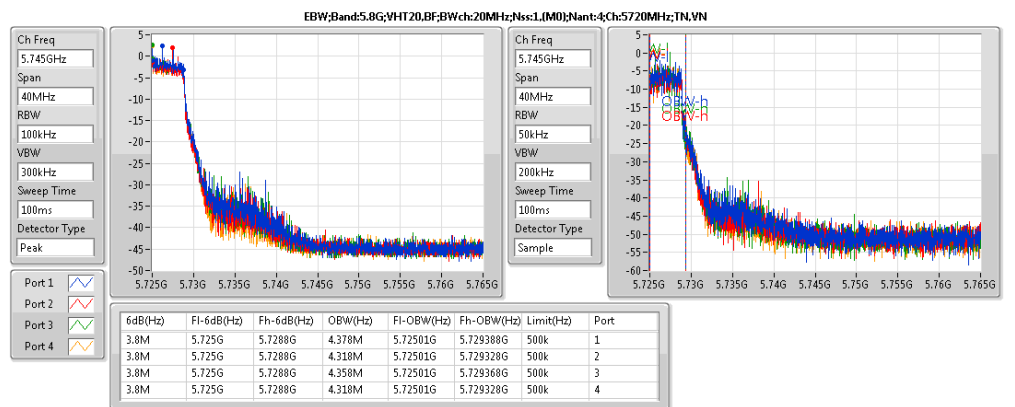
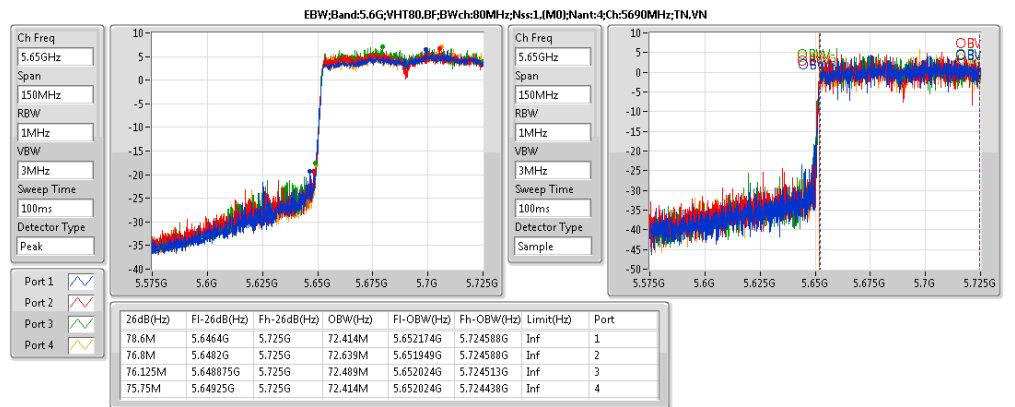
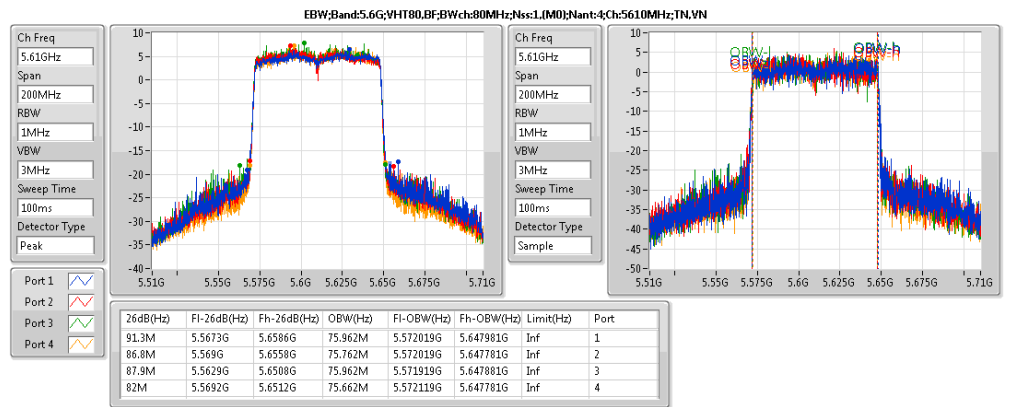
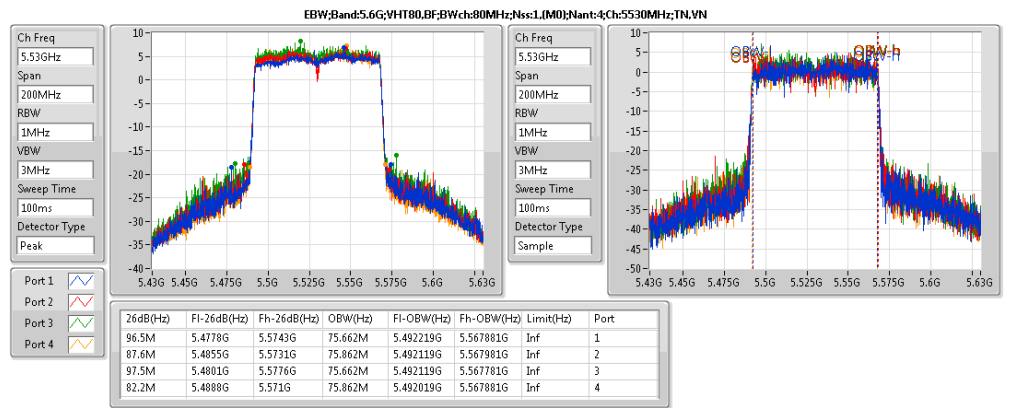
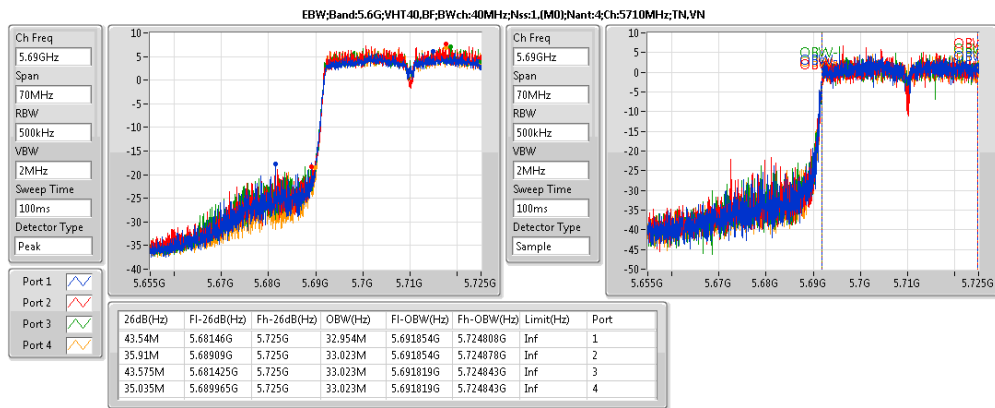
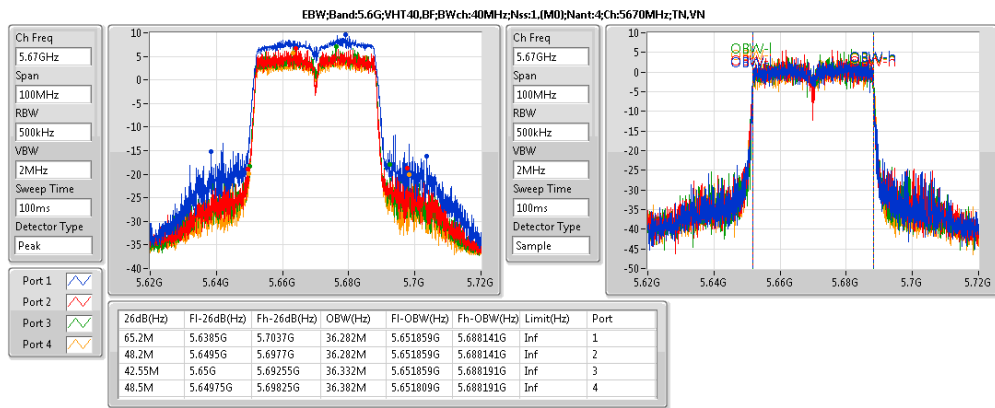
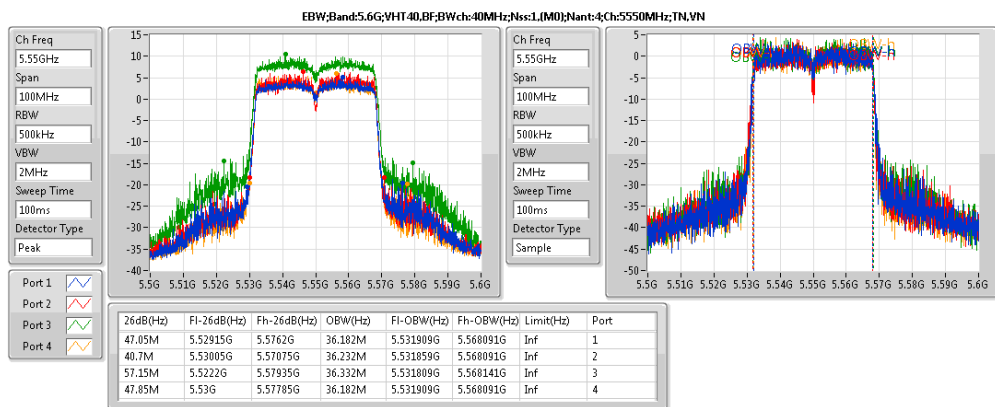
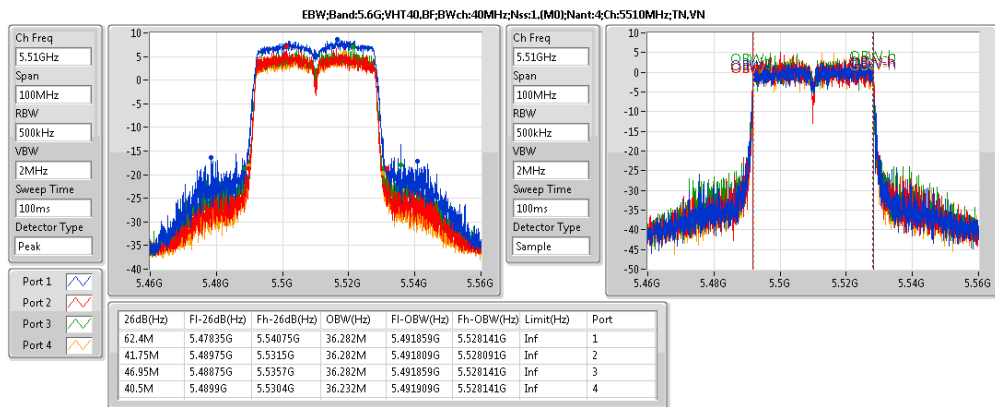
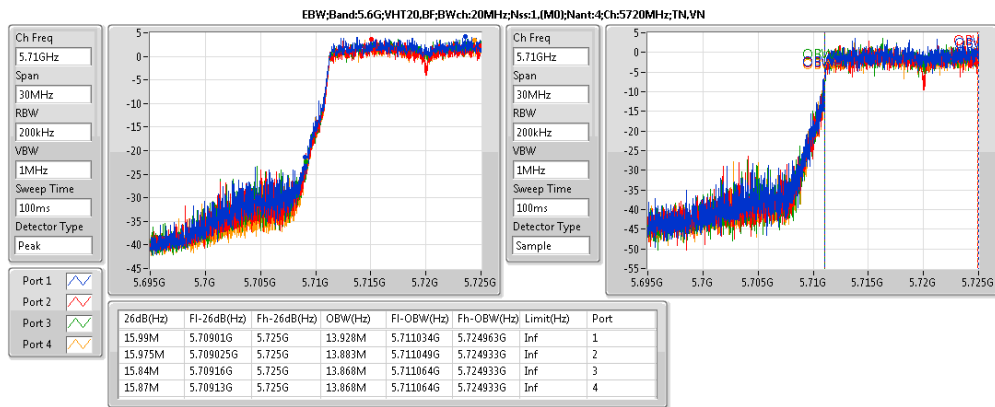
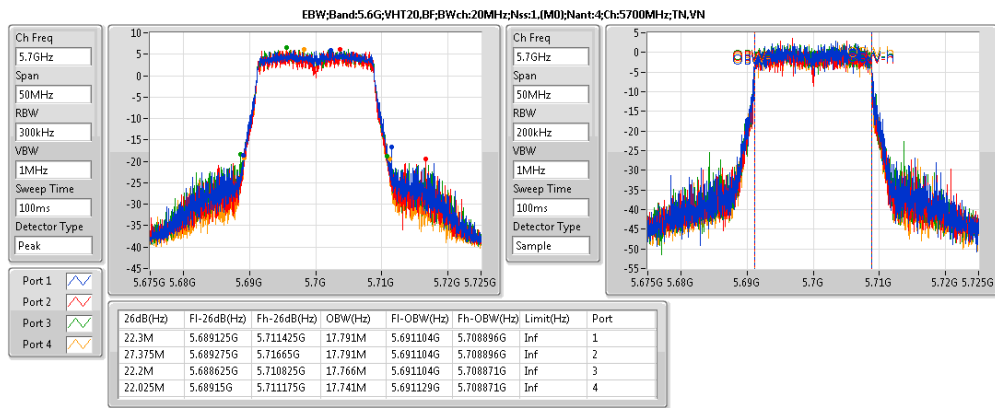


Antenna 1 EBW Result

Appendix A









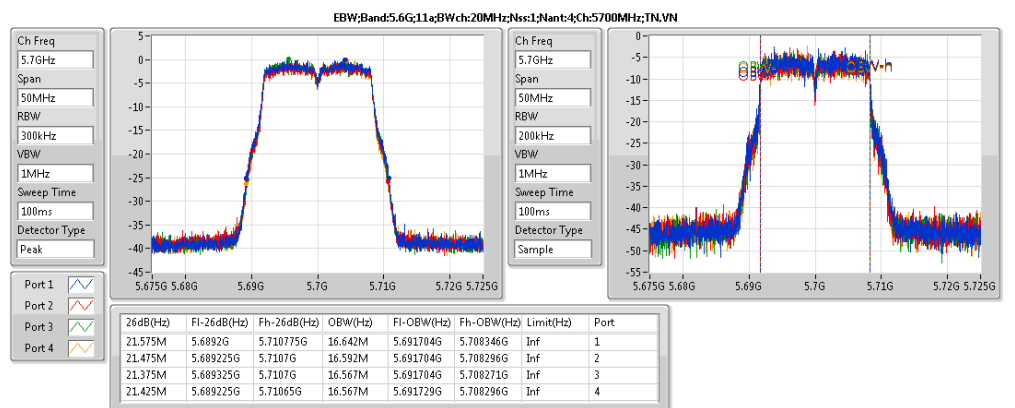
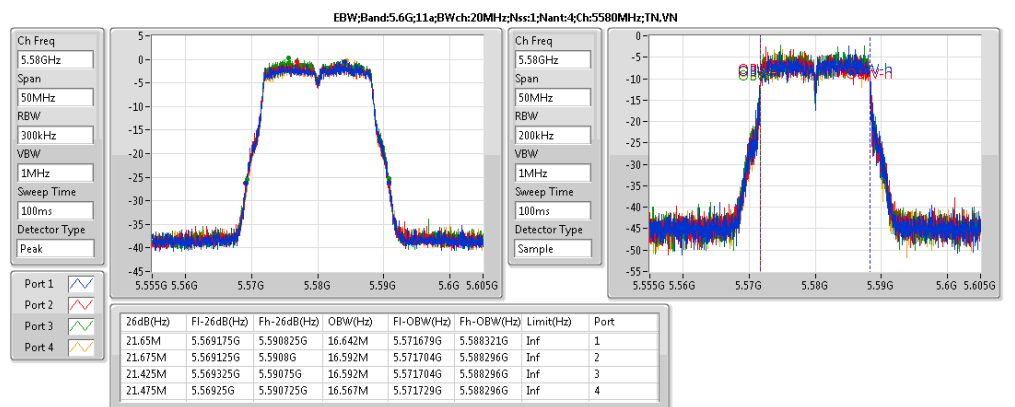
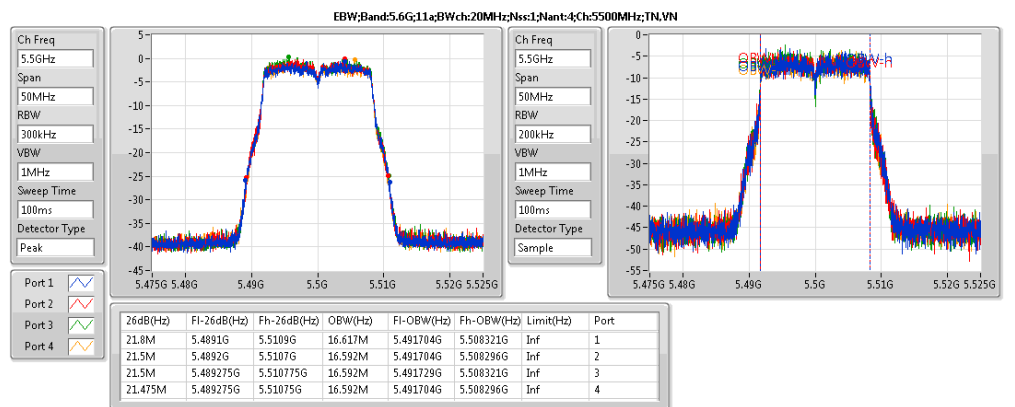
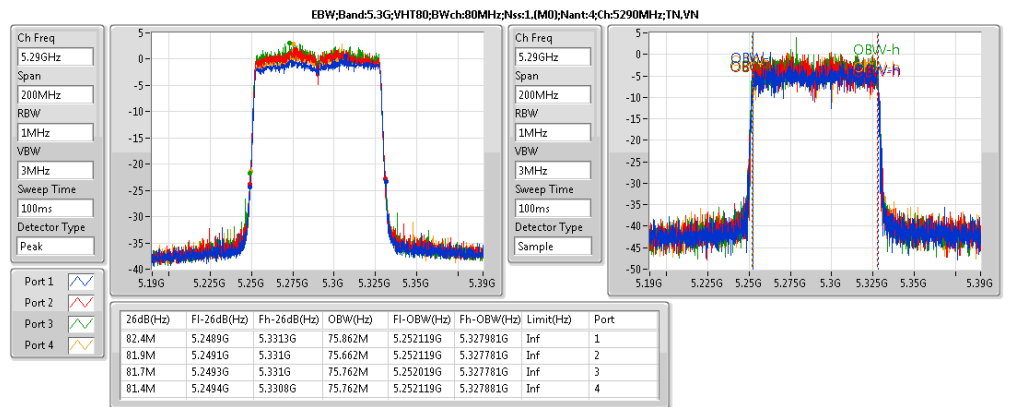
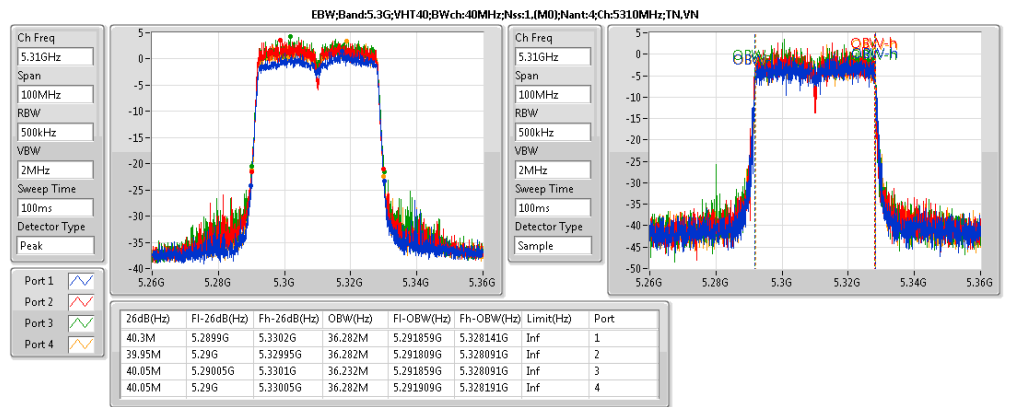
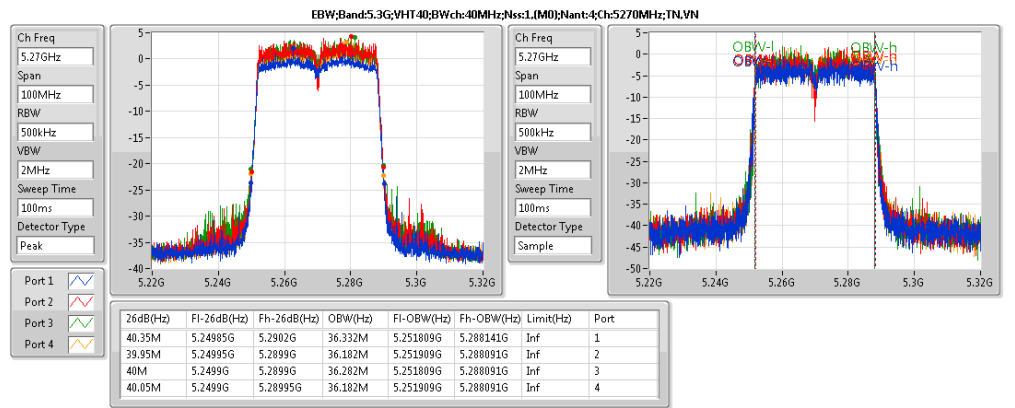
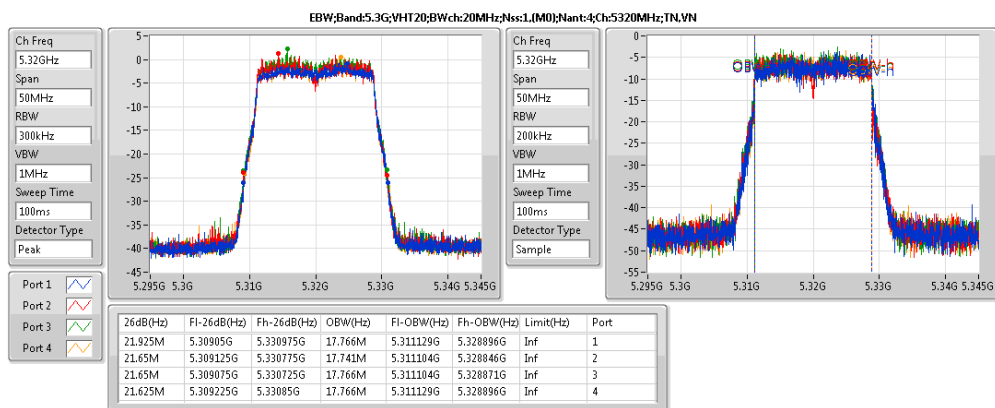
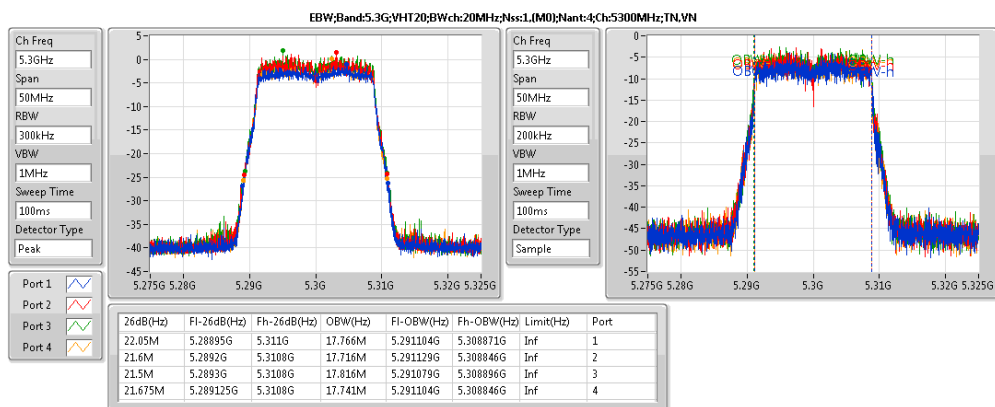
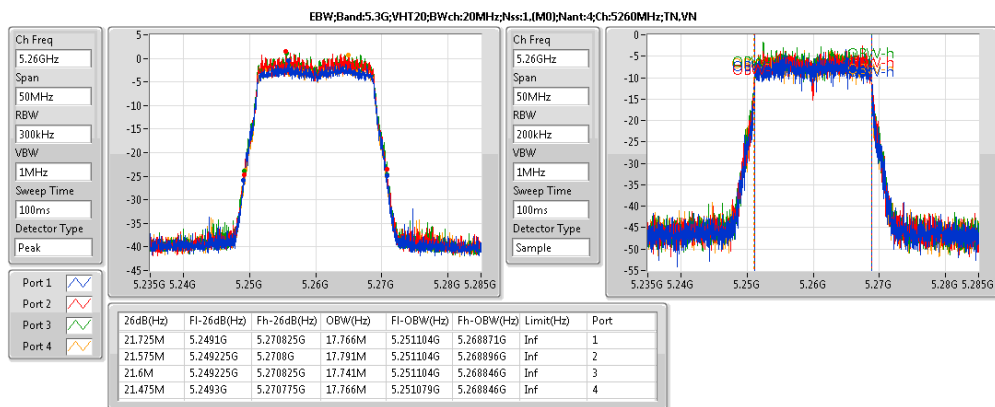
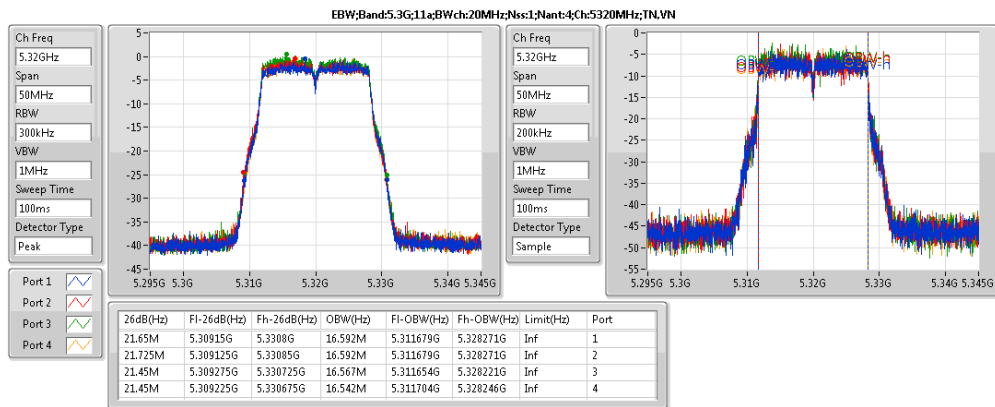
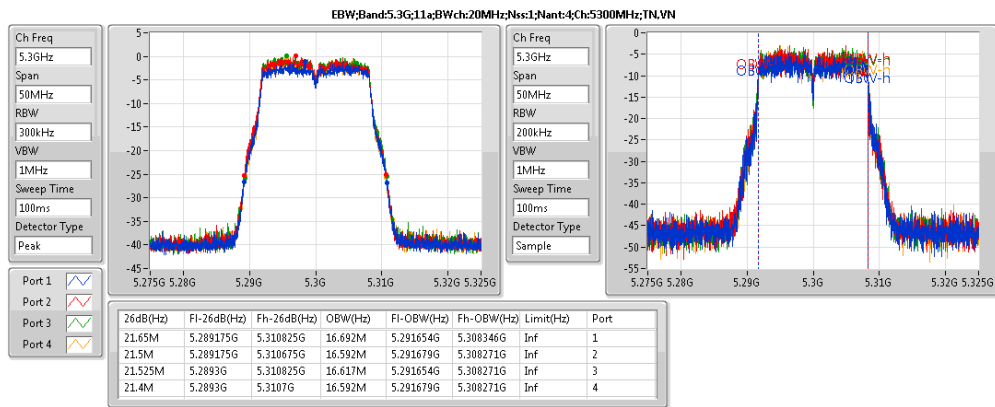
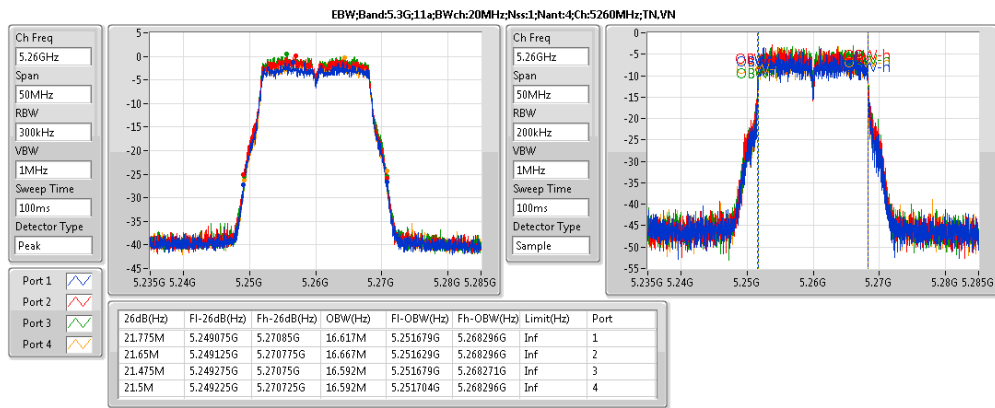
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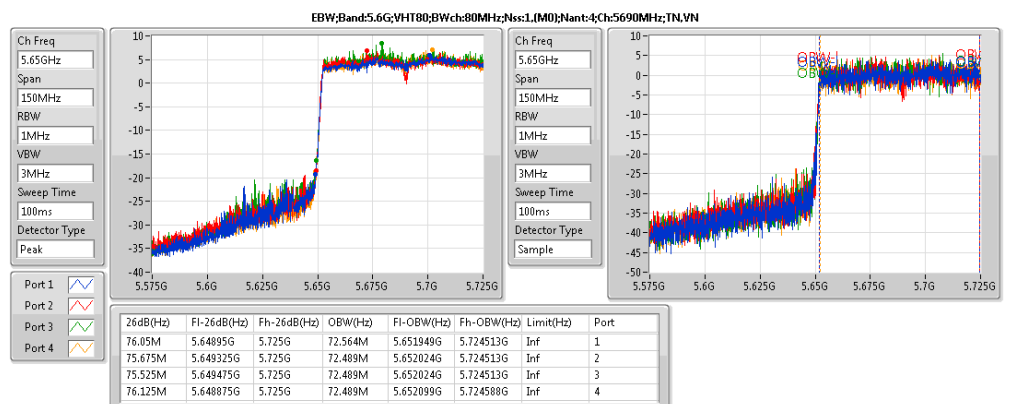
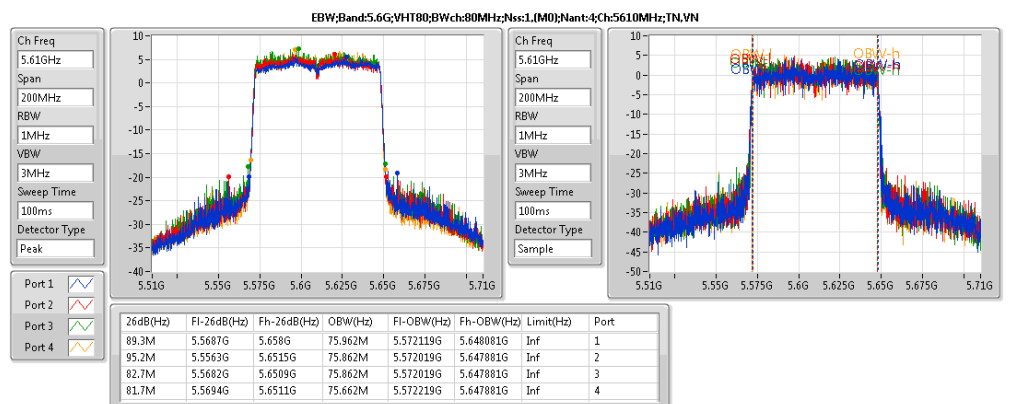
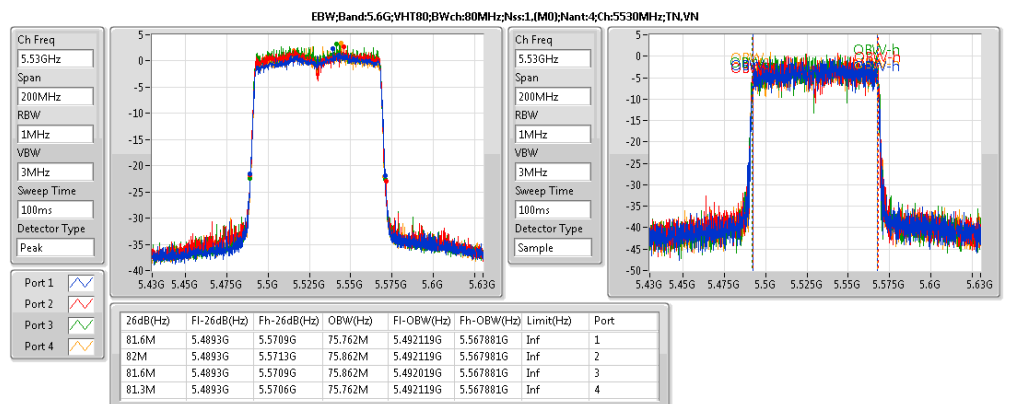
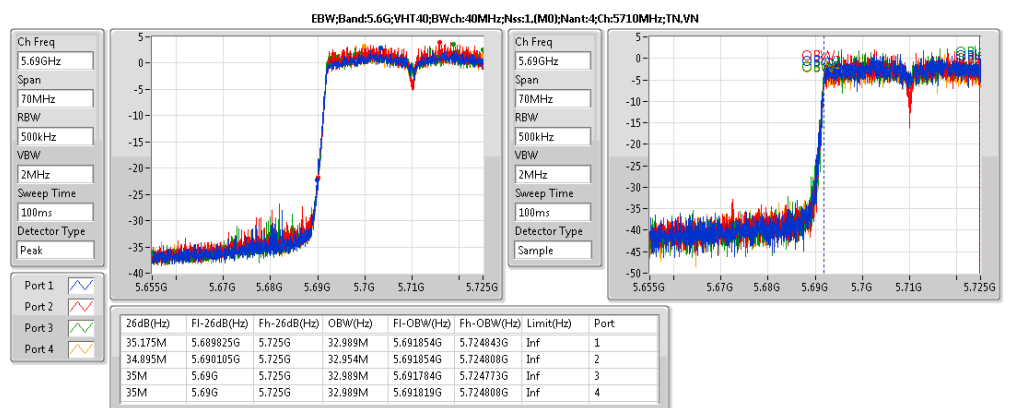
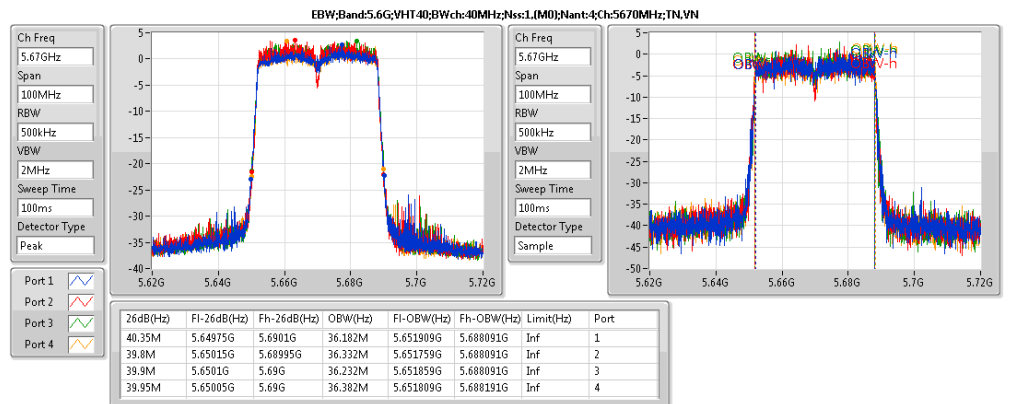
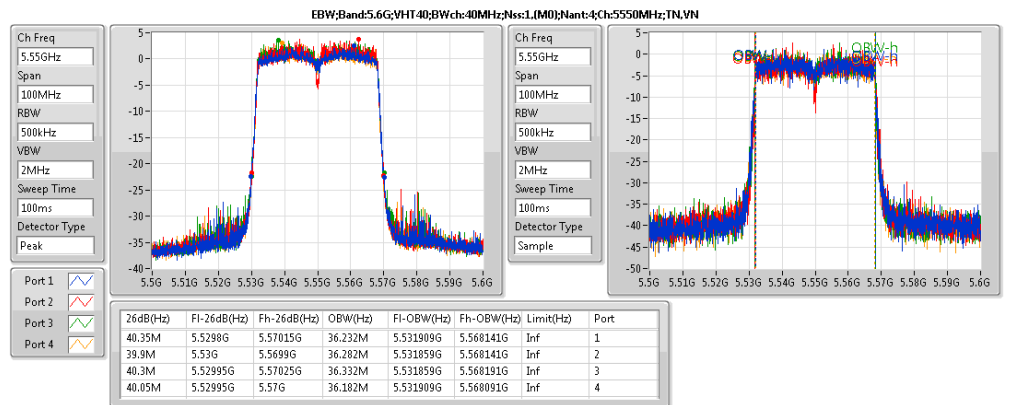
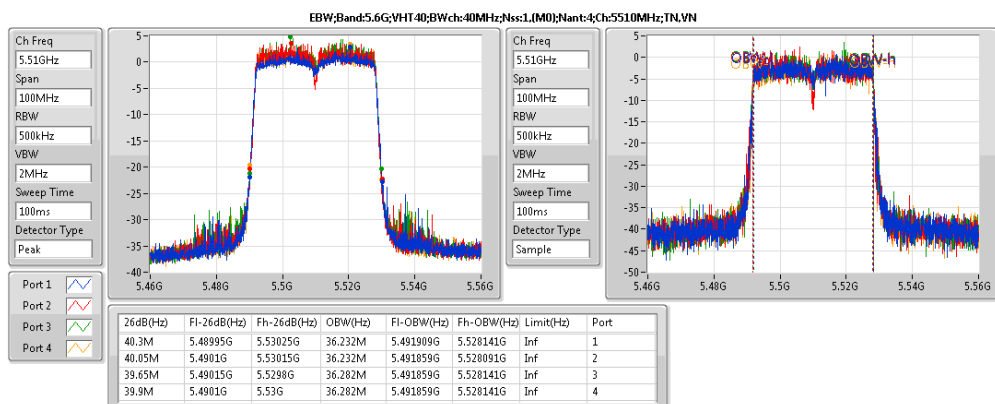
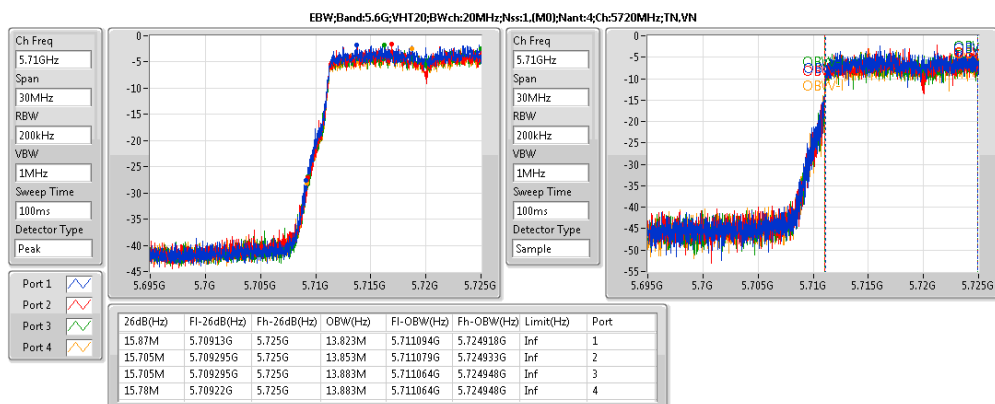
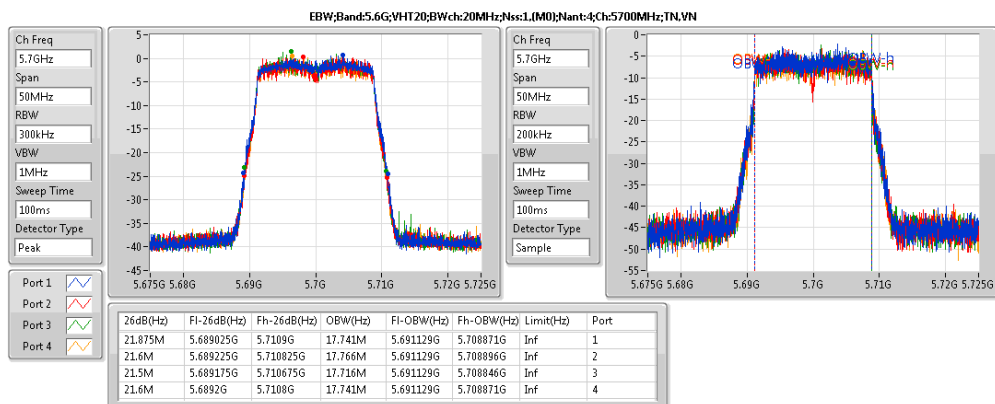
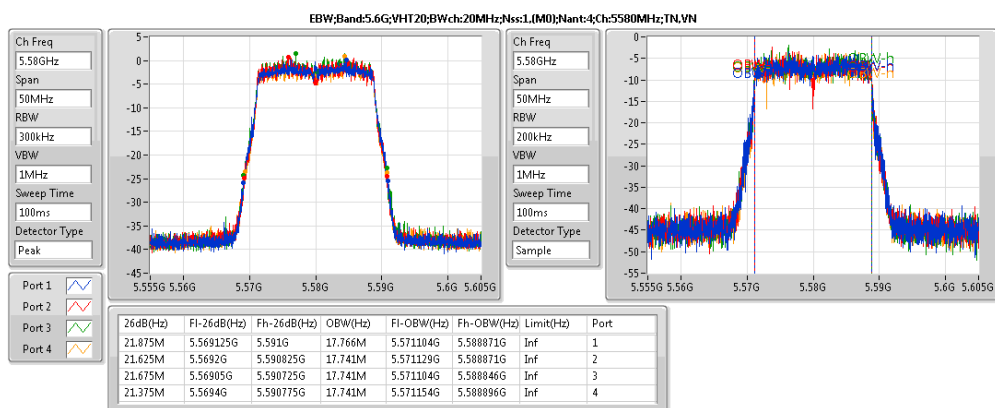
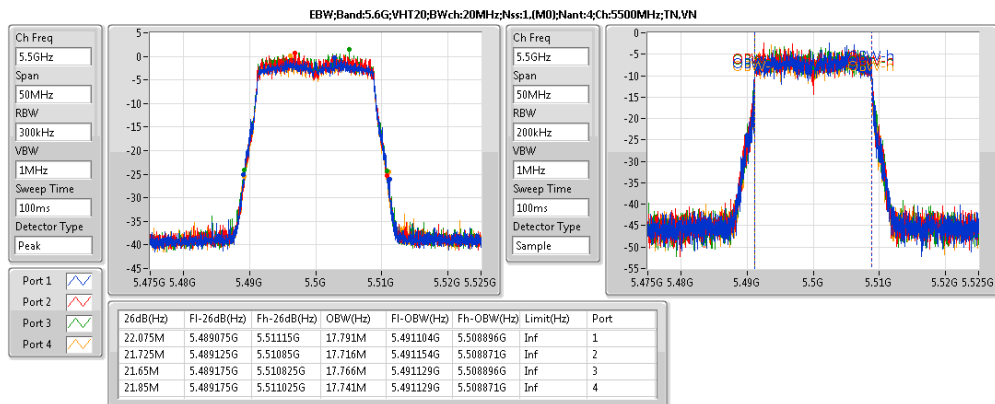
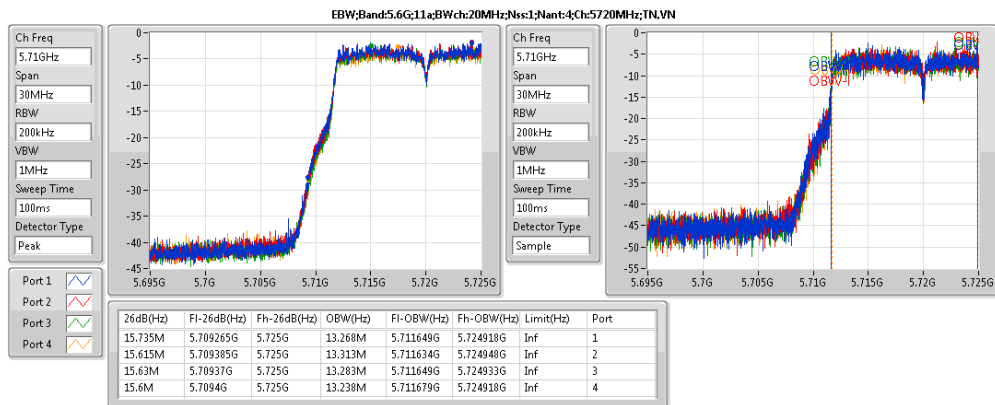
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.3G;11a;Nss1;Ntx4	21.775M	16.692M	16M7D1D	21.4M	16.542M
5.3G;VHT20;Nss1,(M0);Ntx4	22.05M	17.816M	17M8D1D	21.475M	17.716M
5.3G;VHT40;Nss1,(M0);Ntx4	40.35M	36.332M	36M3D1D	39.95M	36.182M
5.3G;VHT80;Nss1,(M0);Ntx4	82.4M	75.862M	75M9D1D	81.4M	75.662M
5.6G;11a;Nss1;Ntx4	21.8M	16.642M	16M6D1D	15.6M	13.238M
5.6G;VHT20;Nss1,(M0);Ntx4	22.075M	17.791M	17M8D1D	15.705M	13.823M
5.6G;VHT40;Nss1,(M0);Ntx4	40.35M	36.382M	36M4D1D	34.895M	32.954M
5.6G;VHT80;Nss1,(M0);Ntx4	95.2M	75.962M	76M0D1D	75.525M	72.489M
5.8G;11a;Nss1;Ntx4	3.18M	4.198M	4M20D1D	3.16M	4.058M
5.8G;VHT20;Nss1,(M0);Ntx4	3.82M	4.418M	4M42D1D	3.78M	4.358M
5.8G;VHT40;Nss1,(M0);Ntx4	3.2M	3.718M	3M72D1D	3.16M	3.698M
5.8G;VHT80;Nss1,(M0);Ntx4	3.16M	14.953M	15M0D1D	3.14M	6.237M
5.3G;VHT20,BF;Nss1,(M0);Ntx4	21.825M	17.816M	17M8D1D	21.475M	17.716M
5.3G;VHT40,BF;Nss1,(M0);Ntx4	40.3M	36.282M	36M3D1D	39.6M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4	82M	75.962M	76M0D1D	81.6M	75.762M
5.6G;VHT20,BF;Nss1,(M0);Ntx4	21.825M	17.791M	17M8D1D	15.66M	13.853M
5.6G;VHT40,BF;Nss1,(M0);Ntx4	40.6M	36.432M	36M4D1D	34.825M	32.954M
5.6G;VHT80,BF;Nss1,(M0);Ntx4	82.5M	75.962M	76M0D1D	75.6M	72.489M
5.8G;VHT20,BF;Nss1,(M0);Ntx4	3.8M	4.418M	4M42D1D	3.8M	4.378M
5.8G;VHT40,BF;Nss1,(M0);Ntx4	3.18M	4.018M	4M02D1D	3.14M	3.878M
5.8G;VHT80,BF;Nss1,(M0);Ntx4	3.16M	17.411M	17M4D1D	3.14M	15.492M

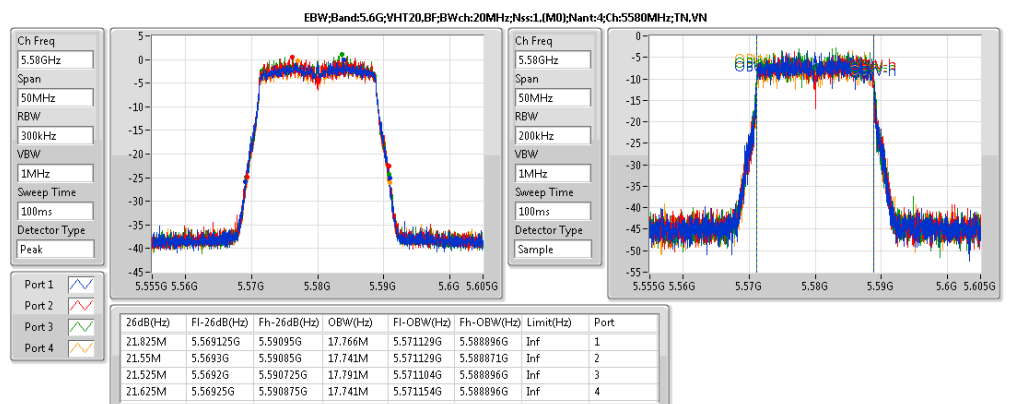
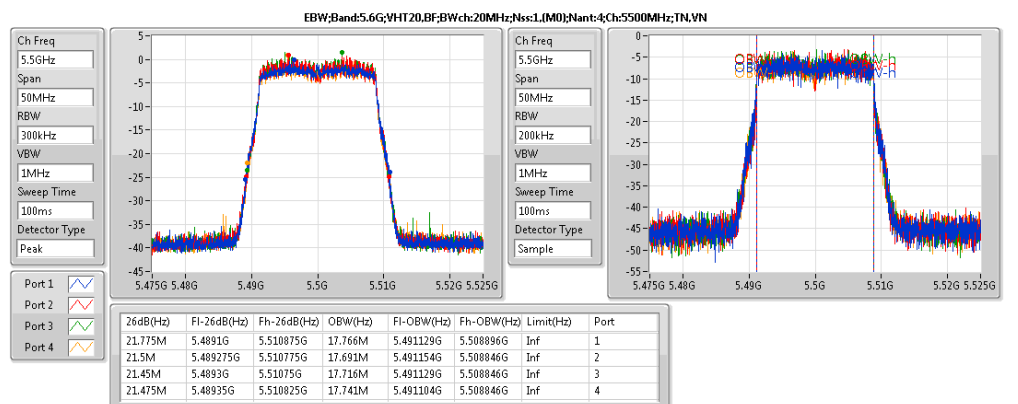
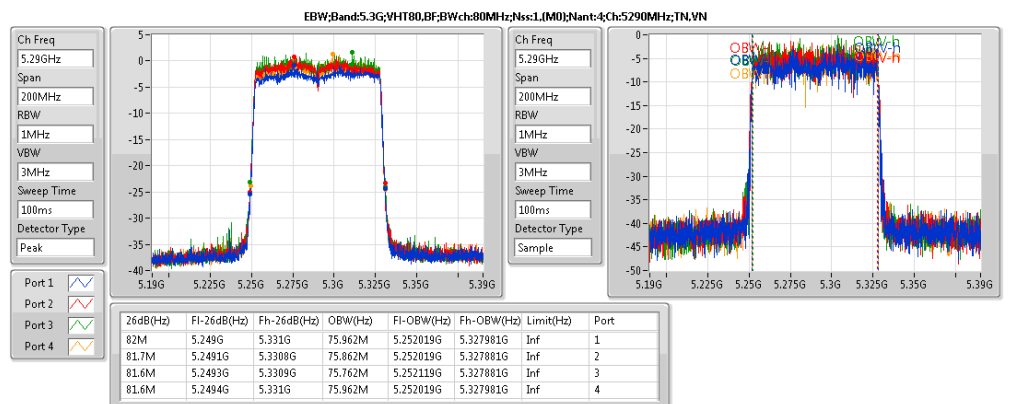
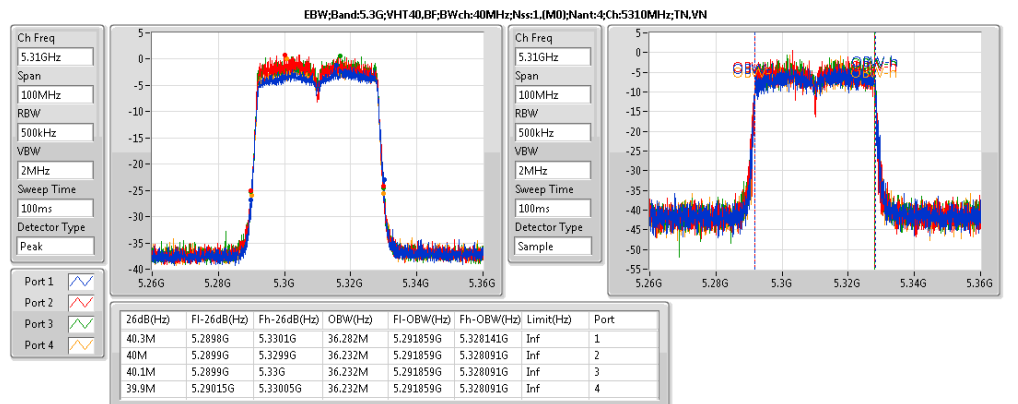
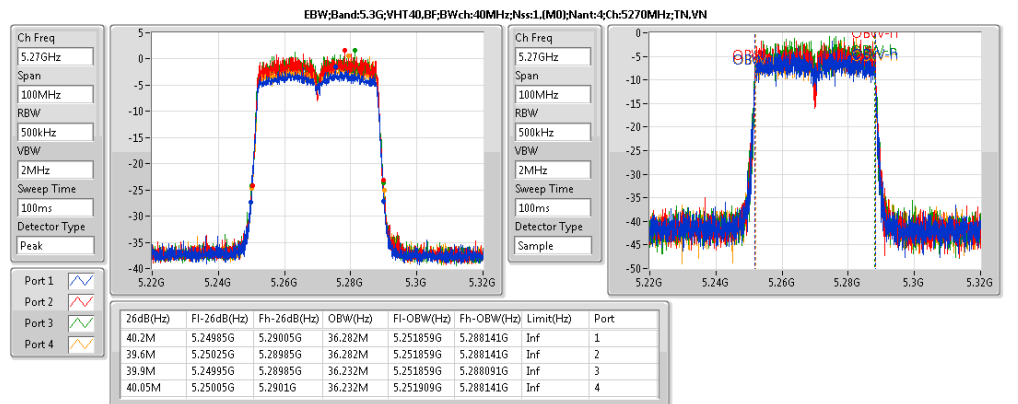
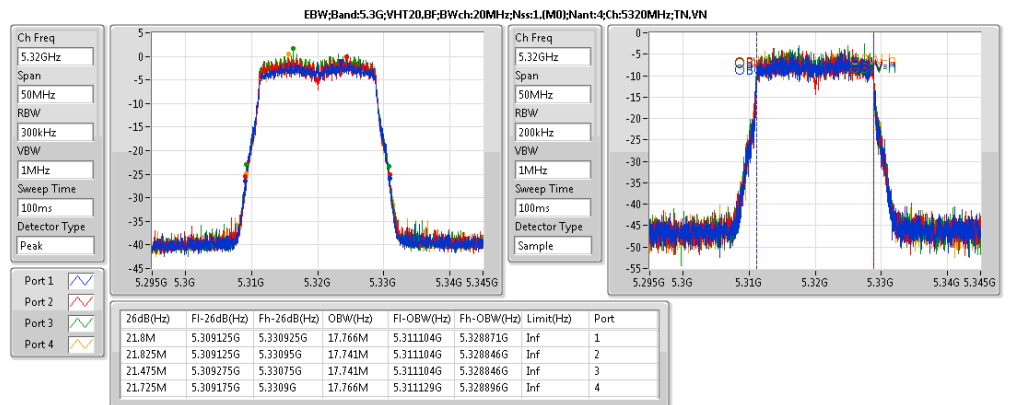
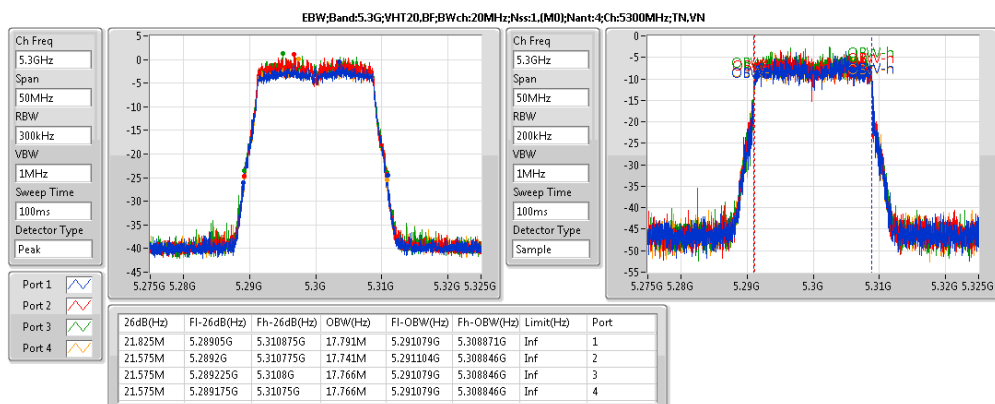
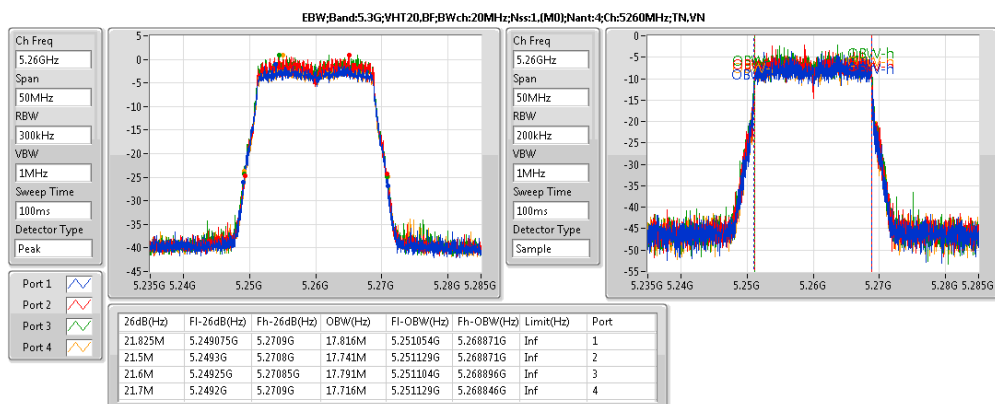
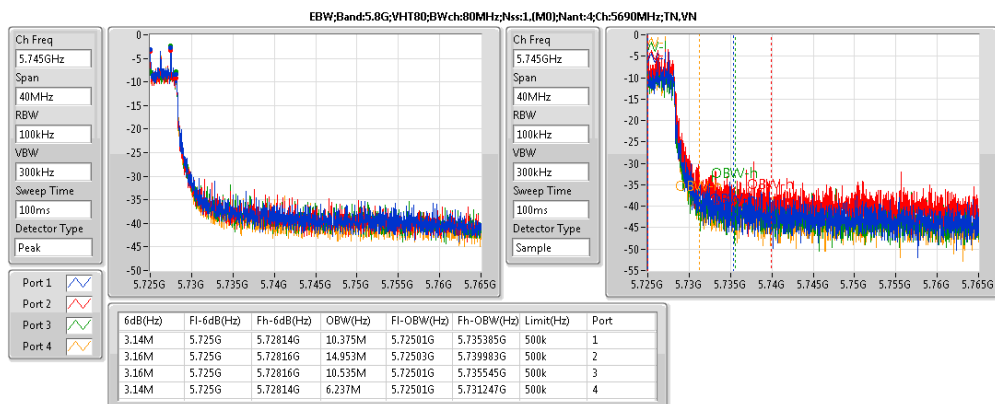
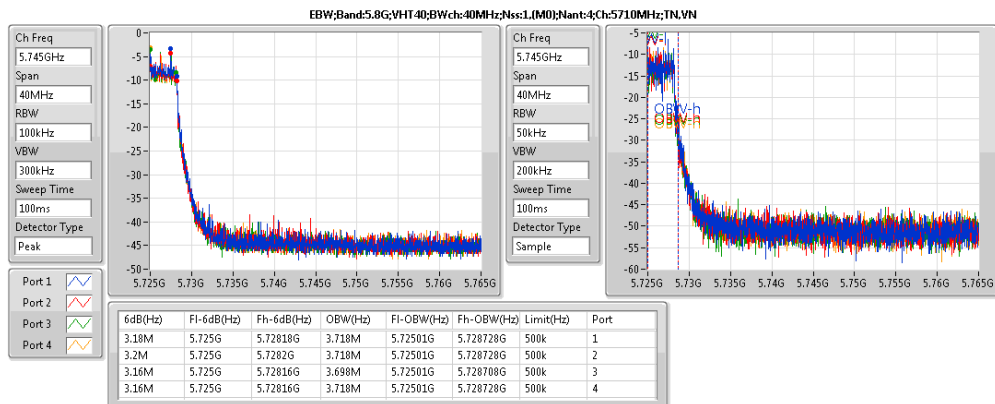
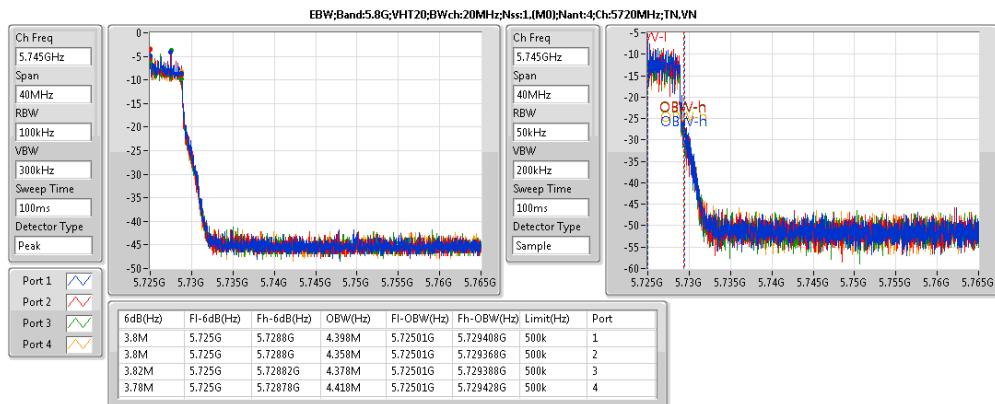
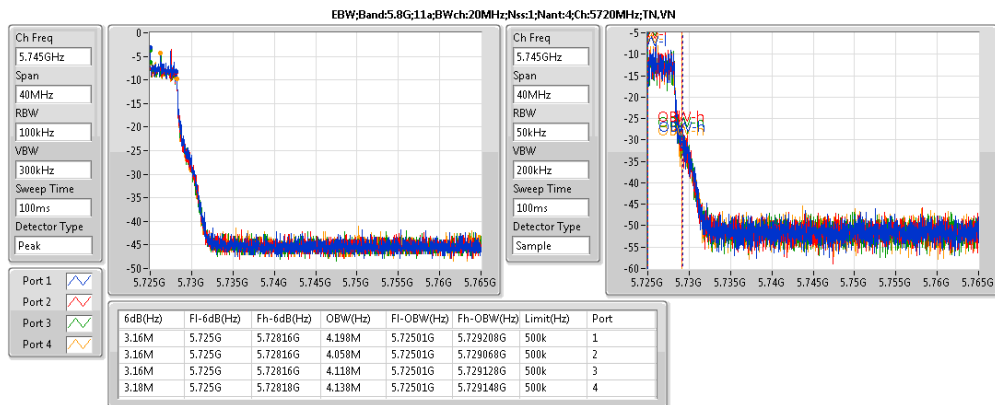


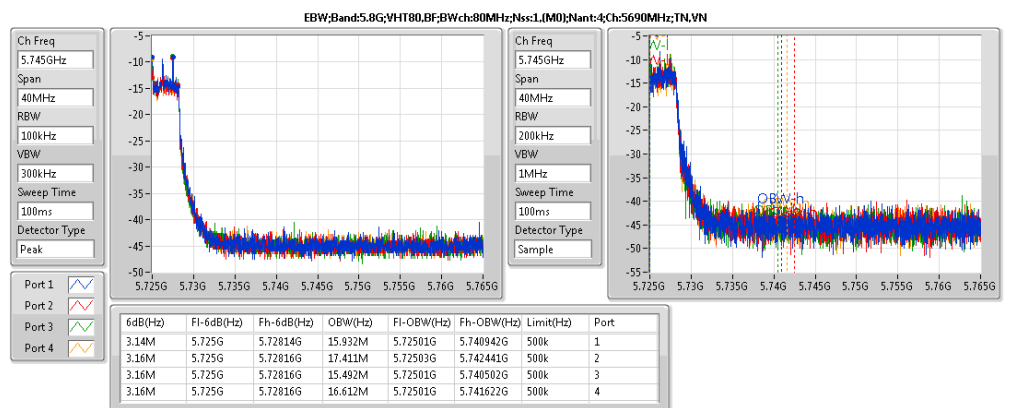
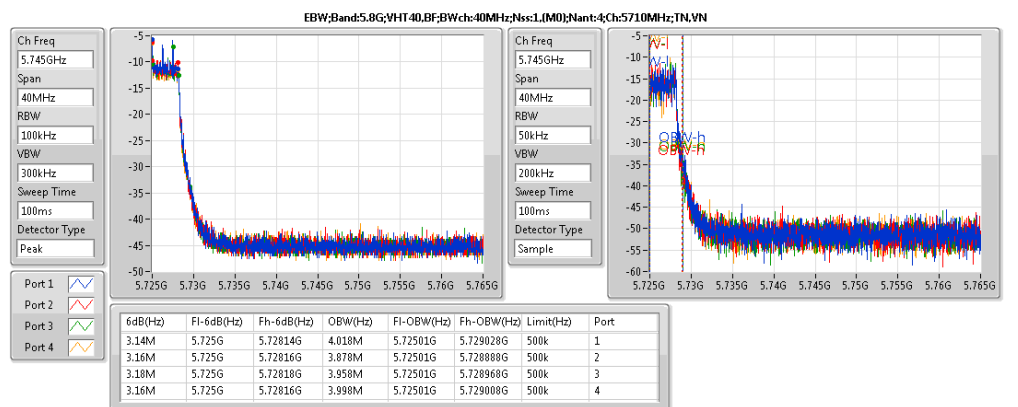
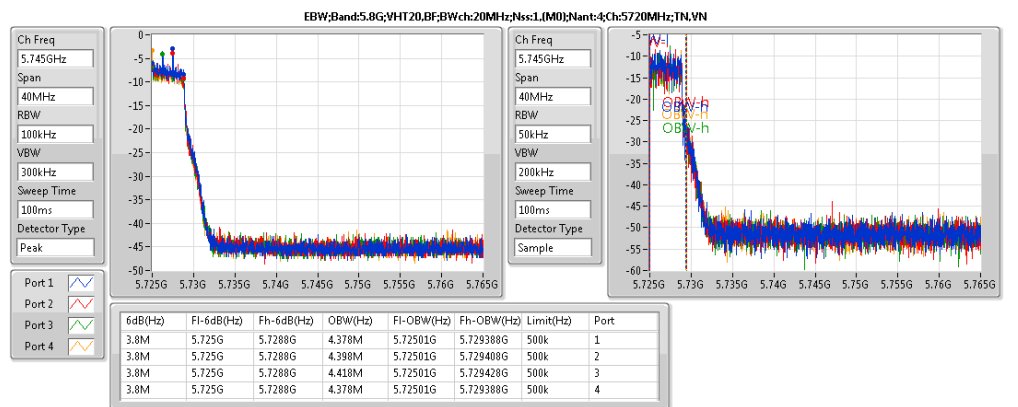
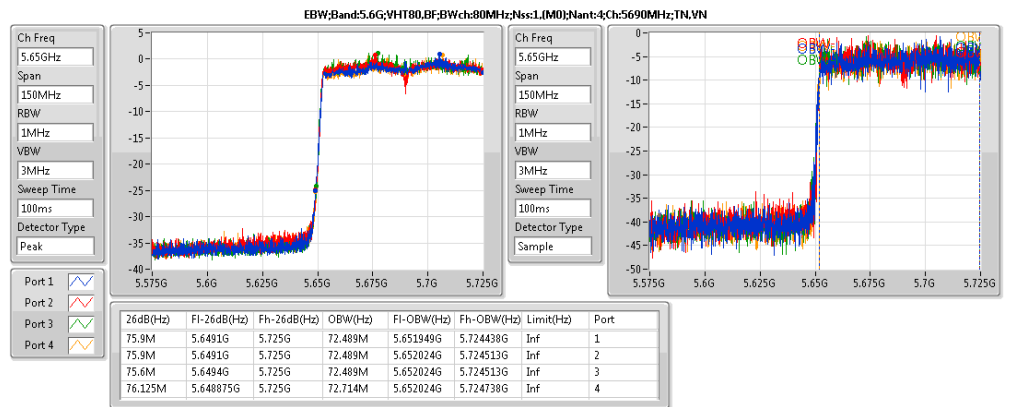
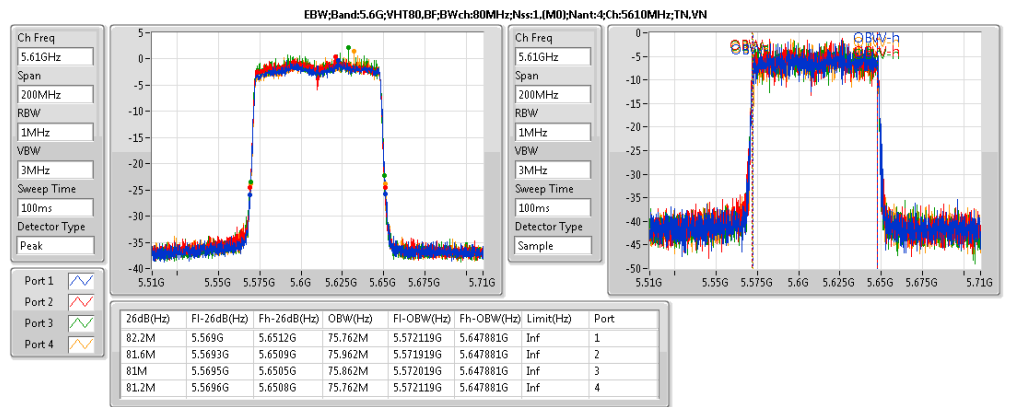
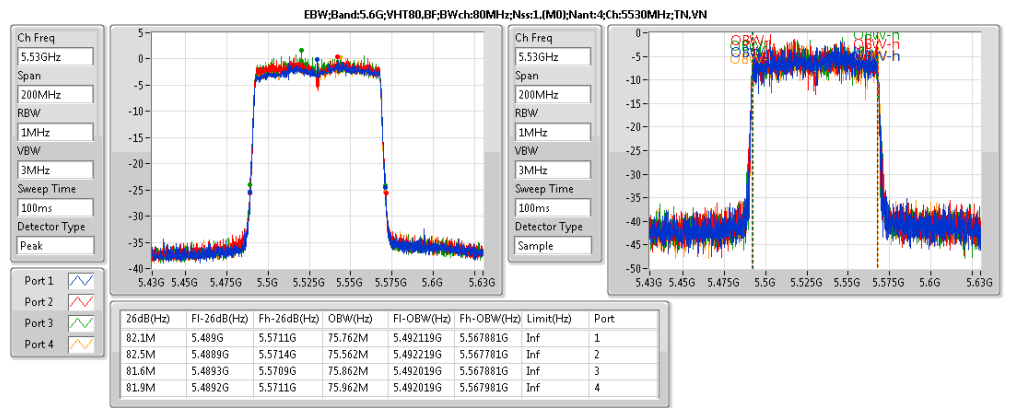
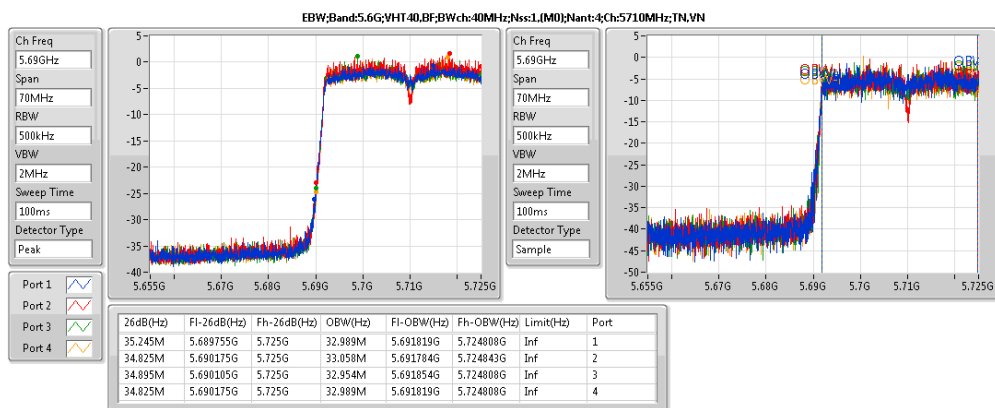
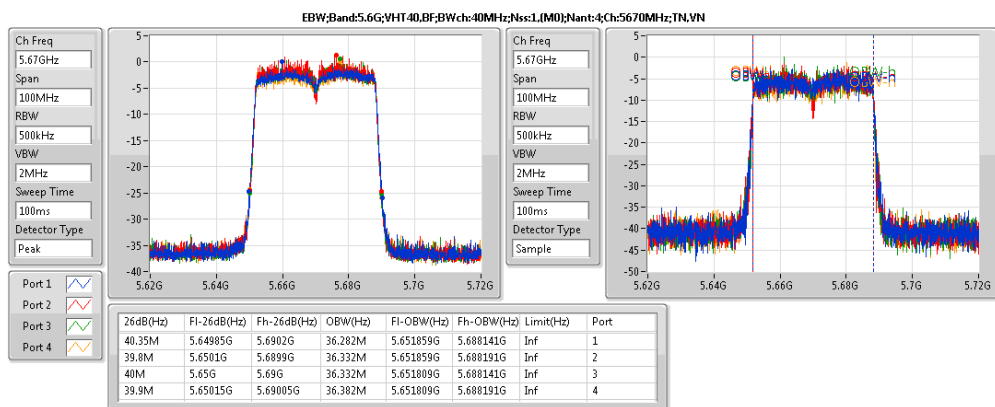
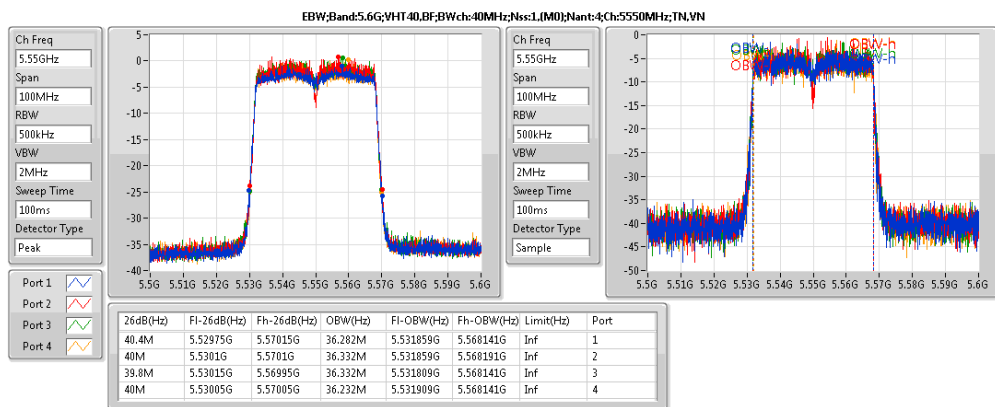
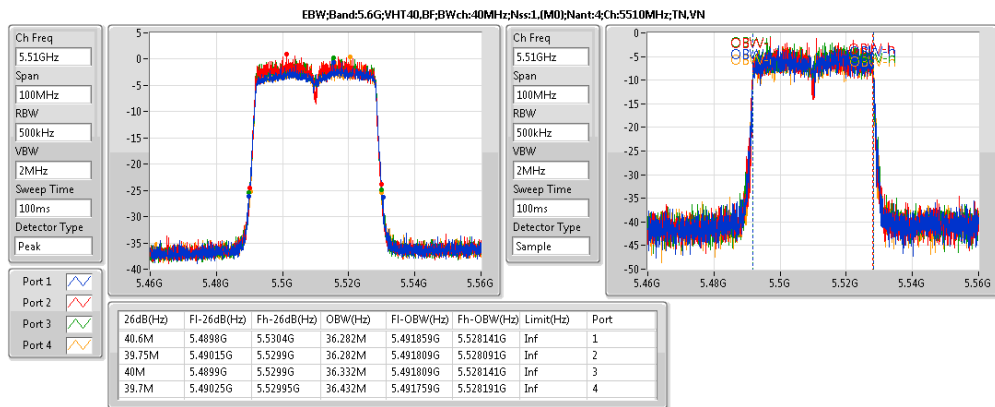
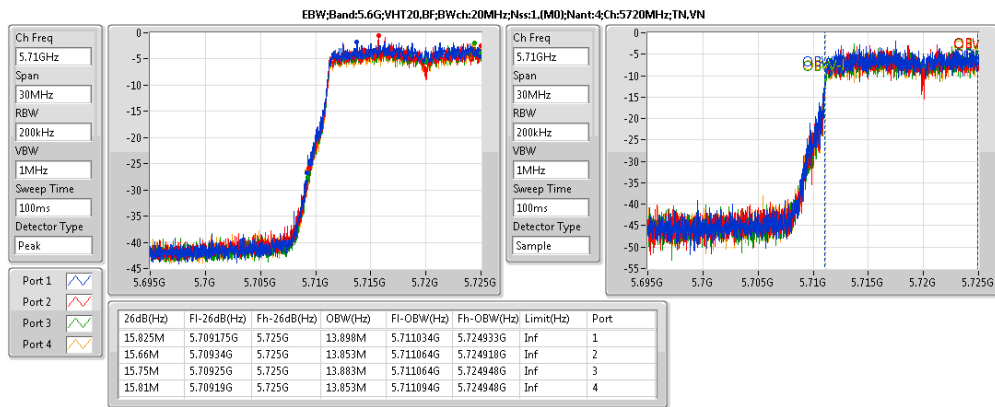
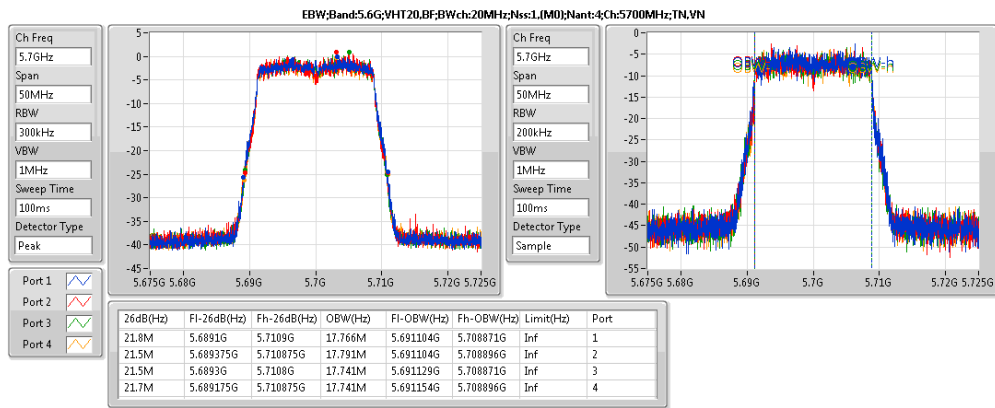
Result

Mode	Result	Limit (Hz)	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	21.775M	16.617M	21.65M	16.667M	21.475M	16.592M	21.5M	16.592M
5.3G;11a;Nss1;Ntx4;5300	Pass	Inf	21.65M	16.692M	21.5M	16.592M	21.525M	16.617M	21.4M	16.592M
5.3G;11a;Nss1;Ntx4;5320	Pass	Inf	21.65M	16.592M	21.725M	16.592M	21.45M	16.567M	21.45M	16.542M
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	Inf	21.725M	17.766M	21.575M	17.791M	21.6M	17.741M	21.475M	17.766M
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	Inf	22.05M	17.766M	21.6M	17.716M	21.5M	17.816M	21.675M	17.741M
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	Inf	21.925M	17.766M	21.65M	17.741M	21.65M	17.766M	21.625M	17.766M
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	Inf	40.35M	36.332M	39.95M	36.182M	40M	36.282M	40.05M	36.182M
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	Inf	40.3M	36.282M	39.95M	36.282M	40.05M	36.232M	40.05M	36.282M
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	Inf	82.4M	75.862M	81.9M	75.662M	81.7M	75.762M	81.4M	75.762M
5.6G;11a;Nss1;Ntx4;5500	Pass	Inf	21.8M	16.617M	21.5M	16.592M	21.5M	16.592M	21.475M	16.592M
5.6G;11a;Nss1;Ntx4;5580	Pass	Inf	21.65M	16.642M	21.675M	16.592M	21.425M	16.592M	21.475M	16.567M
5.6G;11a;Nss1;Ntx4;5700	Pass	Inf	21.575M	16.642M	21.475M	16.592M	21.375M	16.567M	21.425M	16.567M
5.6G;11a;Nss1;Ntx4;5720	Pass	Inf	15.735M	13.268M	15.615M	13.313M	15.63M	13.283M	15.6M	13.238M
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	Inf	22.075M	17.791M	21.725M	17.716M	21.65M	17.766M	21.85M	17.741M
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	Inf	21.875M	17.766M	21.625M	17.741M	21.675M	17.741M	21.375M	17.741M
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	Inf	21.875M	17.741M	21.6M	17.766M	21.5M	17.716M	21.6M	17.741M
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	Inf	15.87M	13.823M	15.705M	13.853M	15.705M	13.883M	15.78M	13.883M
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	Inf	40.3M	36.232M	40.05M	36.232M	39.65M	36.282M	39.9M	36.282M
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	Inf	40.35M	36.232M	39.9M	36.282M	40.3M	36.332M	40.05M	36.182M
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	Inf	40.35M	36.182M	39.8M	36.332M	39.9M	36.232M	39.95M	36.382M
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	Inf	35.175M	32.989M	34.895M	32.954M	35M	32.989M	35M	32.989M
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	Inf	81.6M	75.762M	82M	75.862M	81.6M	75.862M	81.3M	75.762M
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	Inf	89.3M	75.962M	95.2M	75.862M	82.7M	75.862M	81.7M	75.662M
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	Inf	76.05M	72.564M	75.675M	72.489M	75.525M	72.489M	76.125M	72.489M
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	3.16M	4.198M	3.16M	4.058M	3.16M	4.118M	3.18M	4.138M
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	3.8M	4.398M	3.8M	4.358M	3.82M	4.378M	3.78M	4.418M
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	3.18M	3.718M	3.2M	3.718M	3.16M	3.698M	3.16M	3.718M
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	3.14M	10.375M	3.16M	14.953M	3.16M	10.535M	3.14M	6.237M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	Inf	21.825M	17.816M	21.5M	17.741M	21.6M	17.791M	21.7M	17.716M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	Inf	21.825M	17.791M	21.575M	17.741M	21.575M	17.766M	21.575M	17.766M
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	Inf	21.8M	17.766M	21.825M	17.741M	21.475M	17.741M	21.725M	17.766M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	Inf	40.2M	36.282M	39.6M	36.282M	39.9M	36.232M	40.05M	36.232M
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	Inf	40.3M	36.282M	40M	36.232M	40.1M	36.232M	39.9M	36.232M
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	Inf	82M	75.962M	81.7M	75.862M	81.6M	75.762M	81.6M	75.962M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	Inf	21.775M	17.766M	21.5M	17.691M	21.45M	17.716M	21.475M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	Inf	21.825M	17.766M	21.55M	17.741M	21.525M	17.791M	21.625M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	Inf	21.8M	17.766M	21.5M	17.791M	21.5M	17.741M	21.7M	17.741M
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	Inf	15.825M	13.898M	15.66M	13.853M	15.75M	13.883M	15.81M	13.853M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	Inf	40.6M	36.282M	39.75M	36.282M	40M	36.332M	39.7M	36.432M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	Inf	40.4M	36.282M	40M	36.332M	39.8M	36.332M	40M	36.232M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	Inf	40.35M	36.282M	39.8M	36.332M	40M	36.332M	39.9M	36.382M
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	Inf	35.245M	32.989M	34.825M	33.058M	34.895M	32.954M	34.825M	32.989M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	Inf	82.1M	75.762M	82.5M	75.562M	81.6M	75.862M	81.9M	75.962M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	Inf	82.2M	75.762M	81.6M	75.962M	81M	75.862M	81.2M	75.762M
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	Inf	75.9M	72.489M	75.9M	72.489M	75.6M	72.489M	76.125M	72.714M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	3.8M	4.378M	3.8M	4.398M	3.8M	4.418M	3.8M	4.378M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	3.14M	4.018M	3.16M	3.878M	3.18M	3.958M	3.16M	3.998M
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	3.14M	15.932M	3.16M	17.411M	3.16M	15.492M	3.16M	16.612M











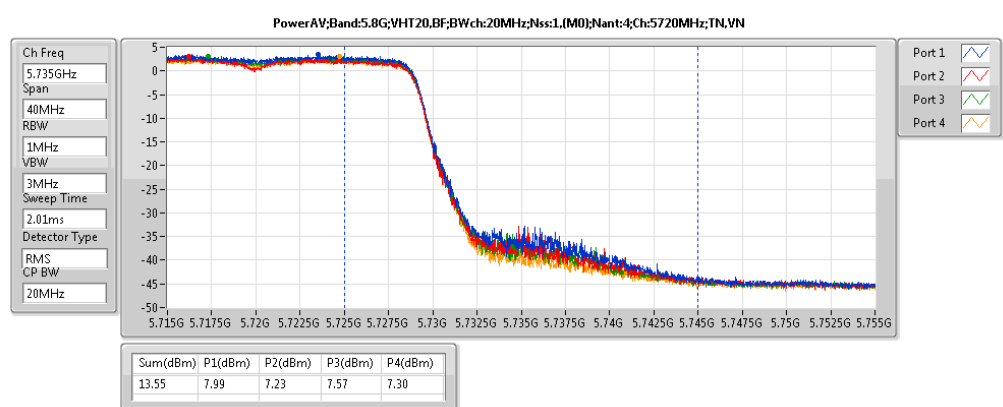
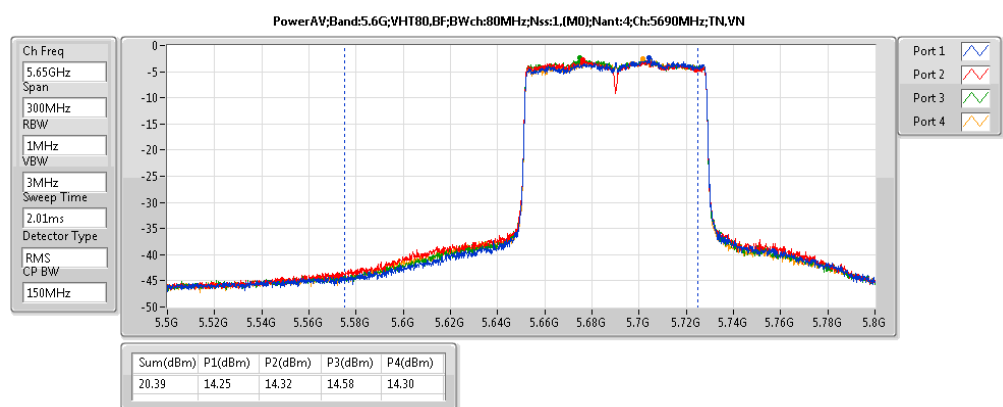
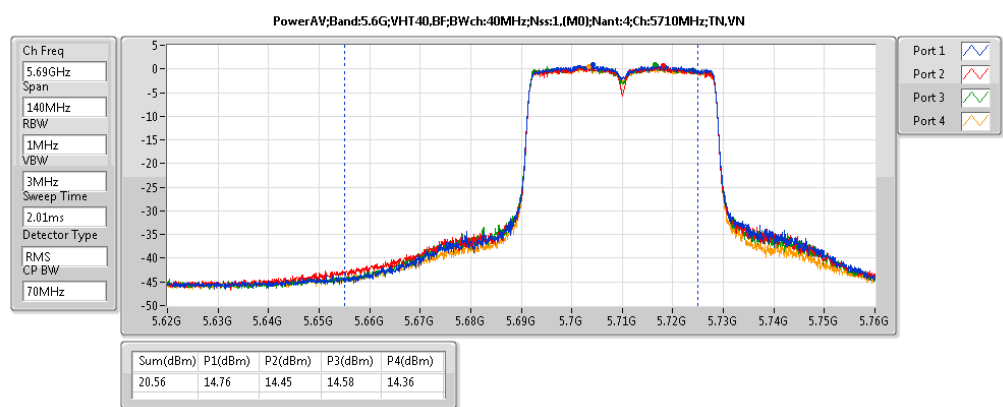
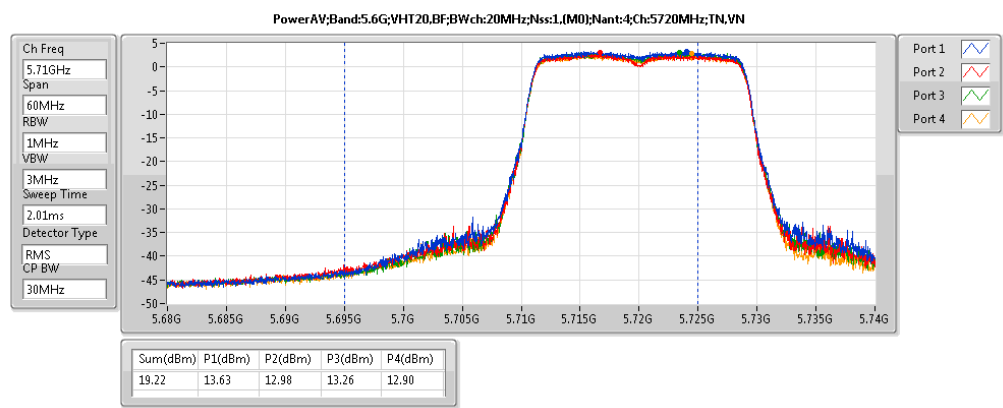
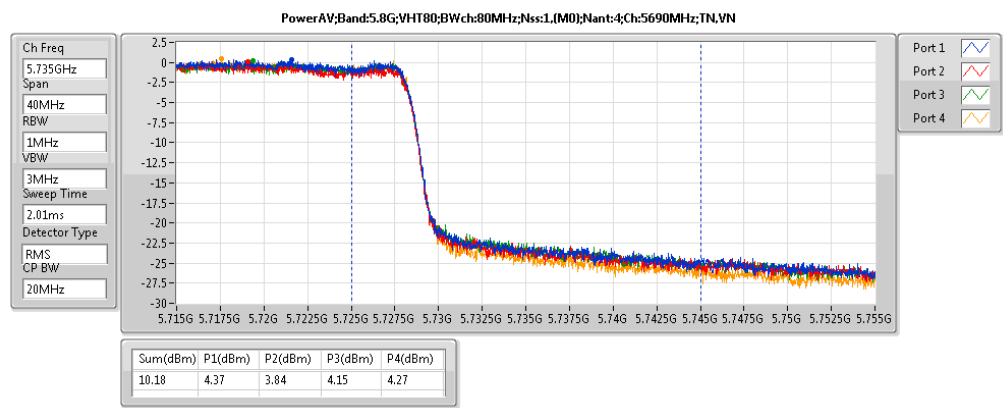
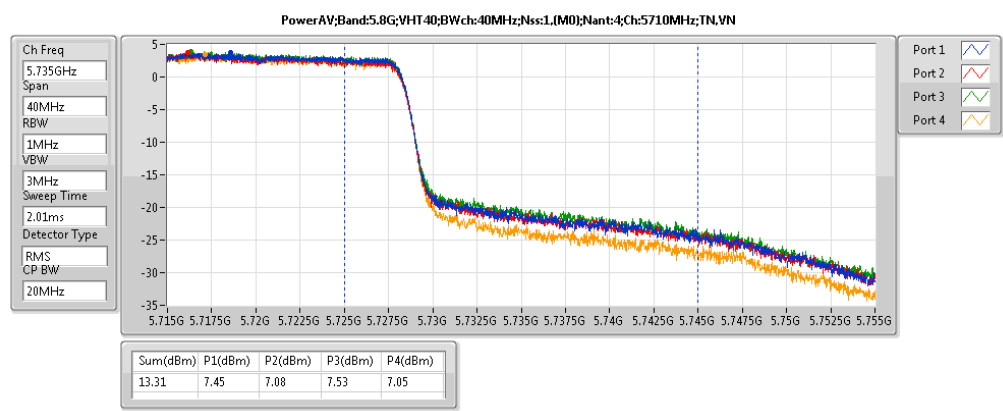
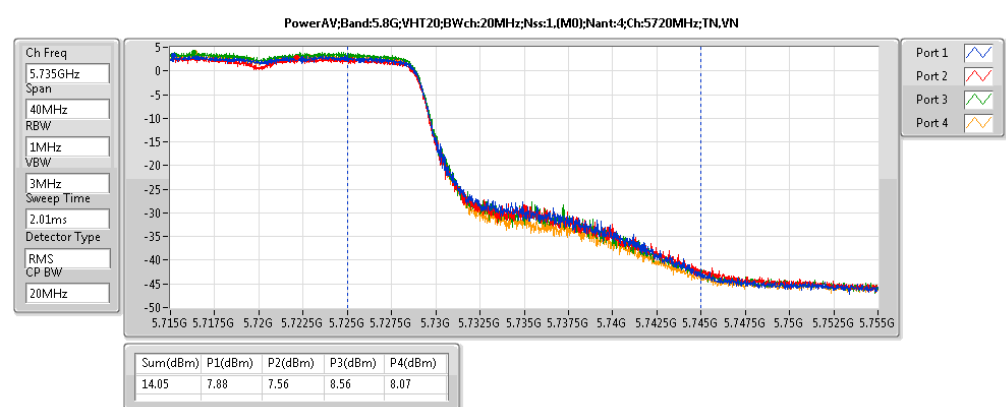
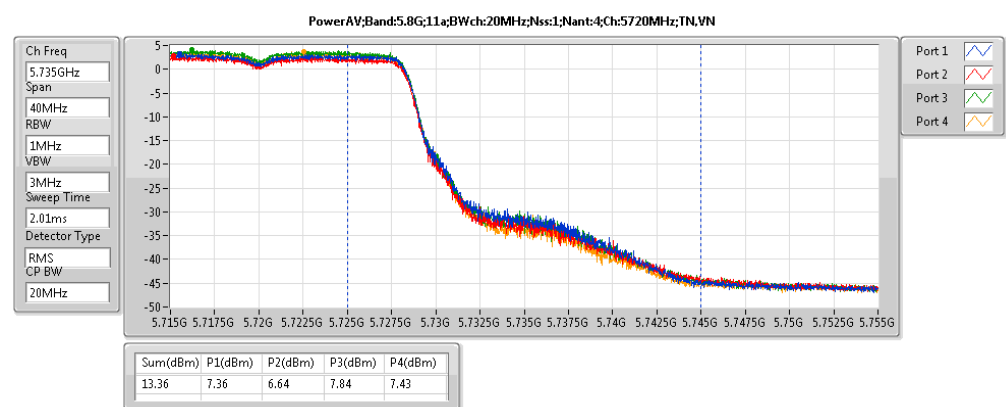
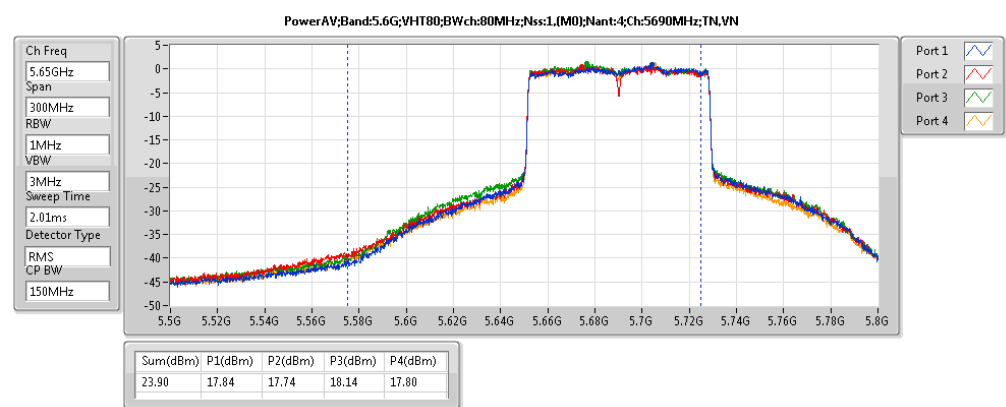
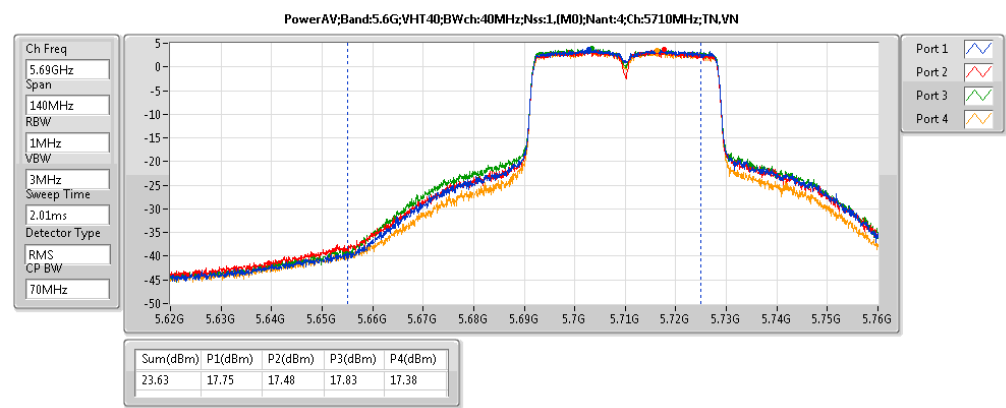
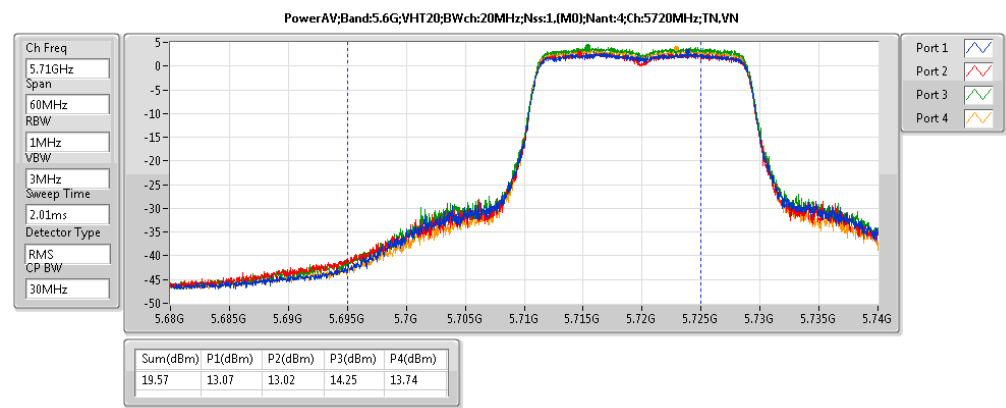
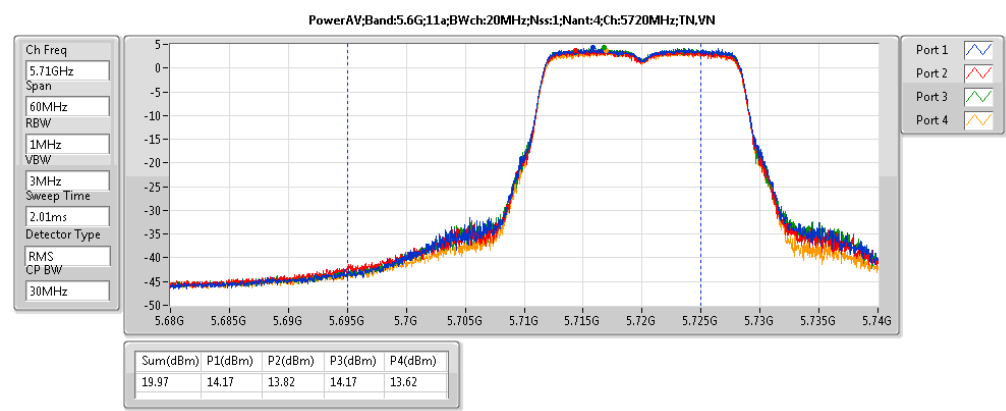
Summary

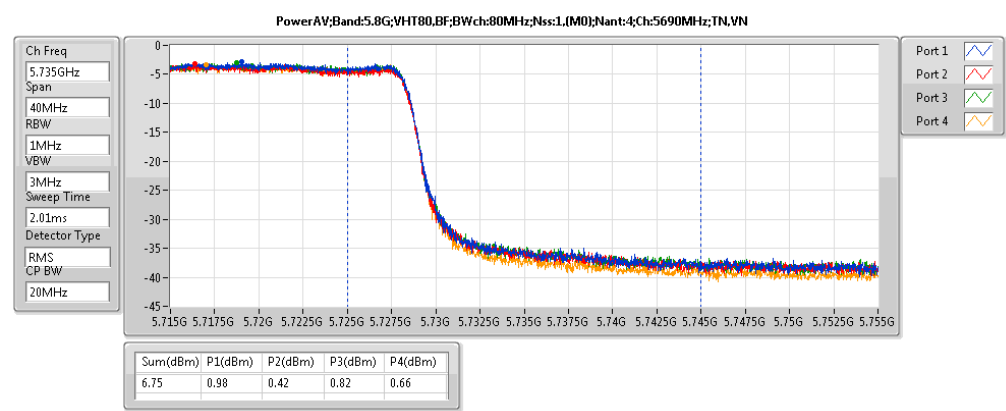
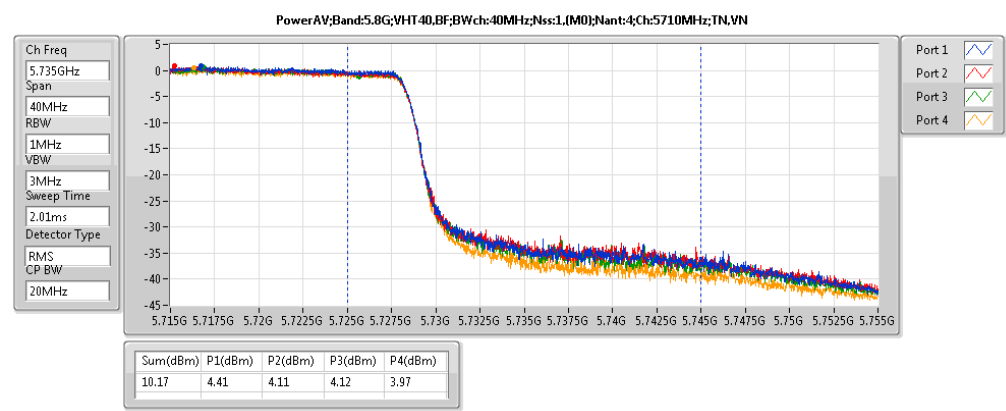
Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.3G;11a;Nss1;Ntx4	21.10	0.12882	24.10	0.25704
5.3G;VHT20;Nss1,(M0);Ntx4	20.74	0.11858	23.74	0.23659
5.3G;VHT40;Nss1,(M0);Ntx4	23.76	0.23768	26.76	0.47424
5.3G;VHT80;Nss1,(M0);Ntx4	18.63	0.07295	21.63	0.14555
5.6G;11a;Nss1;Ntx4	20.83	0.12106	23.83	0.24155
5.6G;VHT20;Nss1,(M0);Ntx4	20.68	0.11695	23.68	0.23335
5.6G;VHT40;Nss1,(M0);Ntx4	23.82	0.24099	26.82	0.48084
5.6G;VHT80;Nss1,(M0);Ntx4	23.90	0.24547	26.90	0.48978
5.8G;11a;Nss1;Ntx4	13.36	0.02168	16.36	0.04325
5.8G;VHT20;Nss1,(M0);Ntx4	14.05	0.02541	17.05	0.0507
5.8G;VHT40;Nss1,(M0);Ntx4	13.30	0.02138	16.30	0.04266
5.8G;VHT80;Nss1,(M0);Ntx4	10.18	0.01042	13.18	0.0208
5.3G;VHT20,BF;Nss1,(M0);Ntx4	20.93	0.12388	29.95	0.98855
5.3G;VHT40,BF;Nss1,(M0);Ntx4	20.95	0.12445	29.97	0.99312
5.3G;VHT80,BF;Nss1,(M0);Ntx4	19.81	0.09572	28.83	0.76384
5.6G;VHT20,BF;Nss1,(M0);Ntx4	20.88	0.12246	29.90	0.97724
5.6G;VHT40,BF;Nss1,(M0);Ntx4	20.71	0.11776	29.73	0.93972
5.6G;VHT80,BF;Nss1,(M0);Ntx4	20.88	0.12246	29.90	0.97724
5.8G;VHT20,BF;Nss1,(M0);Ntx4	13.55	0.02265	22.57	0.18072
5.8G;VHT40,BF;Nss1,(M0);Ntx4	10.18	0.01042	19.20	0.08318
5.8G;VHT80,BF;Nss1,(M0);Ntx4	6.75	0.00473	15.77	0.03776



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	3.00	21.10	23.98	24.10	30.00	14.94	15.21	15.22	14.95
5.3G;11a;Nss1;Ntx4;5300	Pass	3.00	20.75	23.98	23.75	30.00	14.51	14.49	14.95	14.93
5.3G;11a;Nss1;Ntx4;5320	Pass	3.00	20.71	23.98	23.71	30.00	14.18	14.19	15.15	15.14
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	3.00	20.74	23.98	23.74	30.00	13.82	15.34	15.21	14.35
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	3.00	20.73	23.98	23.73	30.00	14.08	15.22	15.16	14.27
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	3.00	20.67	23.98	23.67	30.00	13.87	15.13	15.18	14.29
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	3.00	23.76	23.98	26.76	30.00	17.62	17.85	17.86	17.63
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	3.00	19.56	23.98	22.56	30.00	13.35	13.74	13.74	13.32
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	3.00	18.63	23.98	21.63	30.00	11.80	11.80	13.28	13.29
5.6G;11a;Nss1;Ntx4;5500	Pass	3.00	20.72	23.98	23.72	30.00	14.65	14.87	14.64	14.65
5.6G;11a;Nss1;Ntx4;5580	Pass	3.00	20.83	23.98	23.83	30.00	14.33	14.33	15.24	15.23
5.6G;11a;Nss1;Ntx4;5700	Pass	3.00	20.58	23.98	23.58	30.00	14.12	14.12	14.97	14.95
5.6G;11a;Nss1;Ntx4;5720	Pass	3.00	19.97	22.96	22.97	28.96	14.17	13.82	14.17	13.62
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	3.00	20.63	23.98	23.63	30.00	14.15	14.61	15.06	14.56
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	3.00	20.68	23.98	23.68	30.00	14.16	14.34	15.21	14.83
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	3.00	20.57	23.98	23.57	30.00	14.08	14.37	15.13	14.54
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	3.00	19.57	23.10	22.57	29.10	13.07	13.02	14.25	13.74
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	3.00	20.27	23.98	23.27	30.00	14.08	14.07	14.73	14.06
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	3.00	23.82	23.98	26.82	30.00	17.53	17.53	18.05	18.05
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	3.00	23.56	23.98	26.56	30.00	17.43	17.65	17.65	17.44
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	3.00	23.63	23.98	26.63	30.00	17.75	17.48	17.83	17.38
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	3.00	20.09	23.98	23.09	30.00	13.81	13.79	14.34	14.32
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	3.00	23.86	23.98	26.86	30.00	17.91	17.78	17.76	17.92
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	3.00	23.90	23.98	26.90	30.00	17.84	17.74	18.14	17.80
5.8G;11a;Nss1;Ntx4;5720	Pass	3.00	13.36	30.00	16.36	36.00	7.36	6.64	7.84	7.43
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	3.00	14.05	30.00	17.05	36.00	7.88	7.56	8.56	8.07
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	3.00	13.30	30.00	16.30	36.00	7.45	7.08	7.53	7.05
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	3.00	10.18	30.00	13.18	36.00	4.37	3.84	4.15	4.27
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	9.02	20.86	20.96	29.88	30.00	13.86	13.86	15.65	15.64
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	9.02	20.83	20.96	29.85	30.00	14.02	14.03	15.51	15.44
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	9.02	20.93	20.96	29.95	30.00	14.28	14.25	15.48	15.47
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	9.02	20.95	20.96	29.97	30.00	13.93	13.94	15.73	15.73
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	9.02	20.44	20.96	29.46	30.00	14.34	14.50	14.51	14.34
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	9.02	19.81	20.96	28.83	30.00	12.91	13.86	14.48	13.77
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	9.02	20.55	20.96	29.57	30.00	14.02	14.13	14.93	14.94
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	9.02	20.50	20.96	29.52	30.00	14.12	14.11	14.80	14.82
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	9.02	20.88	20.96	29.90	30.00	15.00	14.99	14.72	14.71
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	9.02	19.22	19.98	28.24	29.00	13.63	12.98	13.26	12.90
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	9.02	20.70	20.96	29.72	30.00	14.26	14.26	15.05	15.06
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	9.02	20.62	20.96	29.64	30.00	14.44	14.43	14.76	14.77
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	9.02	20.71	20.96	29.73	30.00	14.64	14.65	14.73	14.75
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	9.02	20.56	20.96	29.58	30.00	14.76	14.45	14.58	14.36
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	9.02	20.88	20.96	29.90	30.00	14.71	14.65	15.41	14.62
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	9.02	20.50	20.96	29.52	30.00	14.37	14.43	14.36	14.75
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	9.02	20.39	20.96	29.41	30.00	14.25	14.32	14.58	14.30
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	9.02	13.55	26.98	22.57	36.00	7.99	7.23	7.57	7.30
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	9.02	10.18	26.98	19.20	36.00	4.41	4.11	4.12	3.97
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	9.02	6.75	26.98	15.77	36.00	0.98	0.42	0.82	0.66







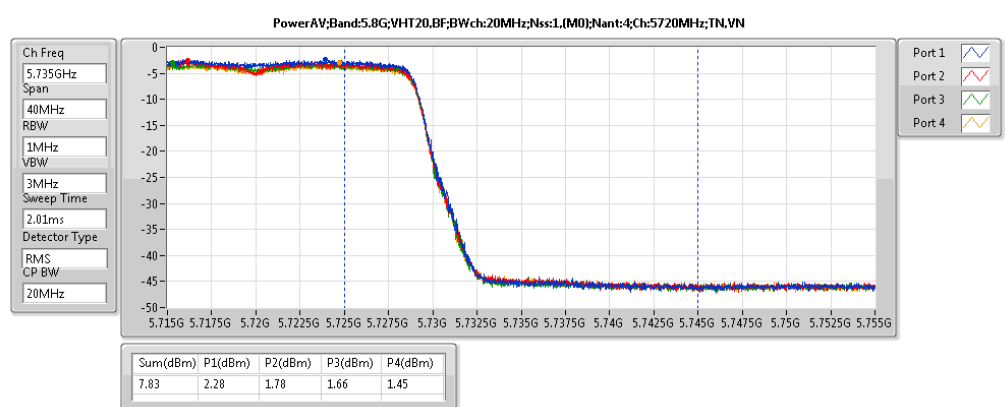
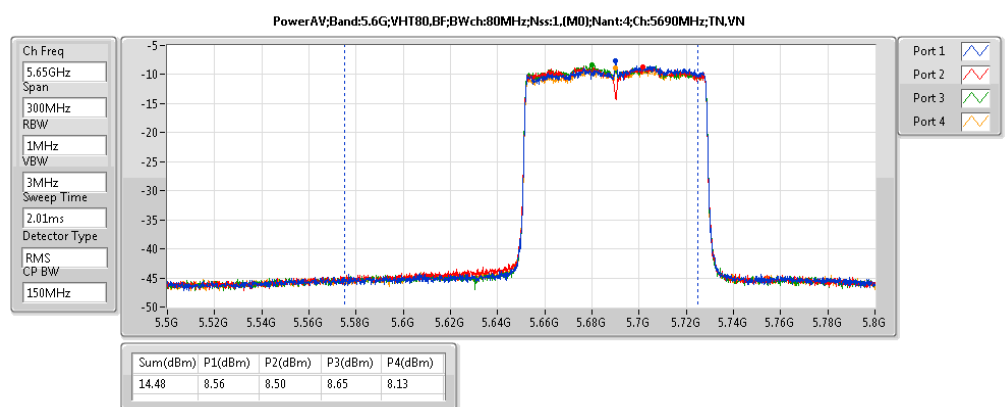
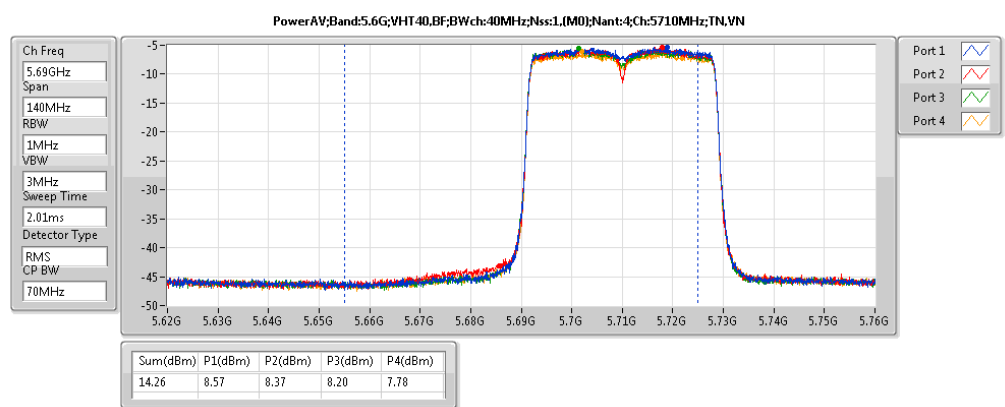
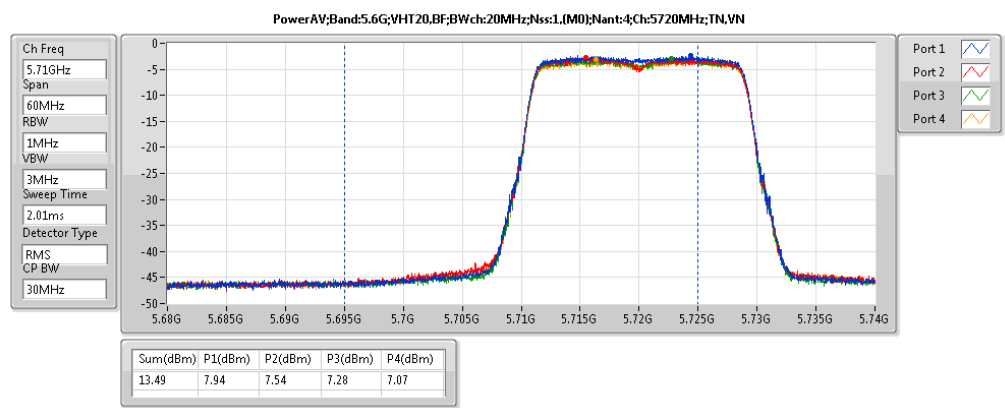
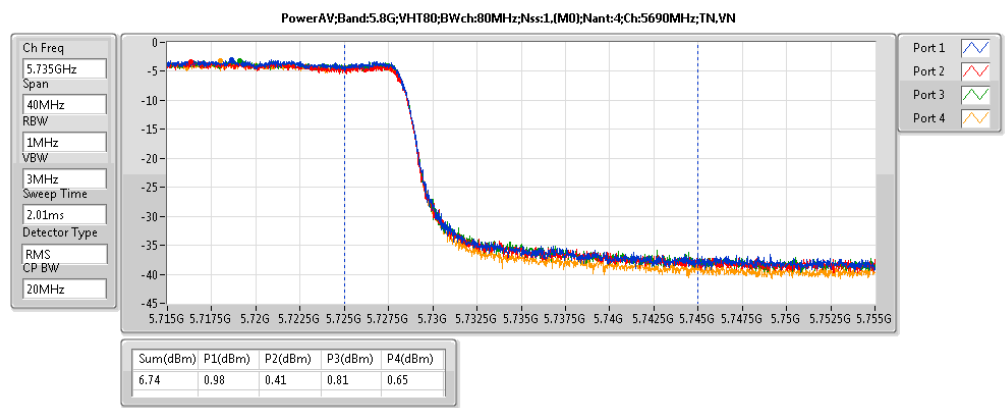
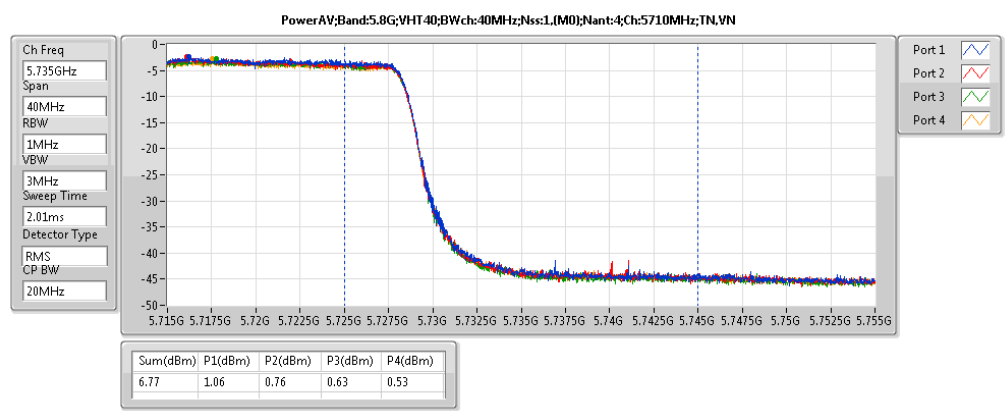
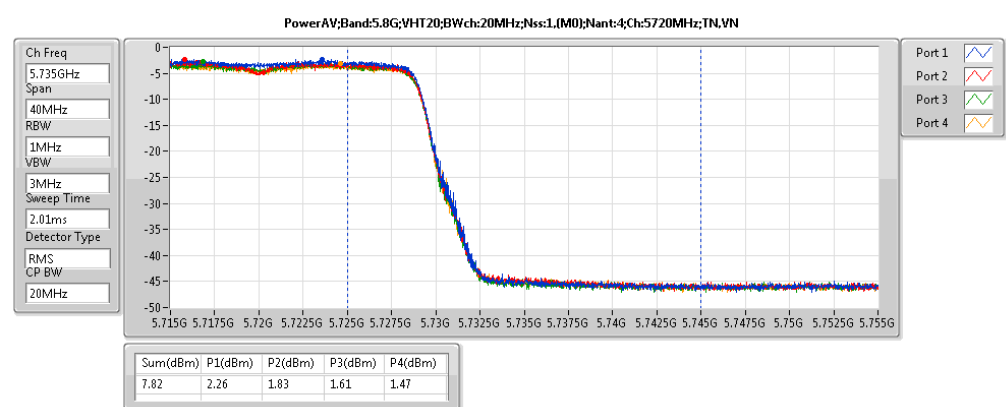
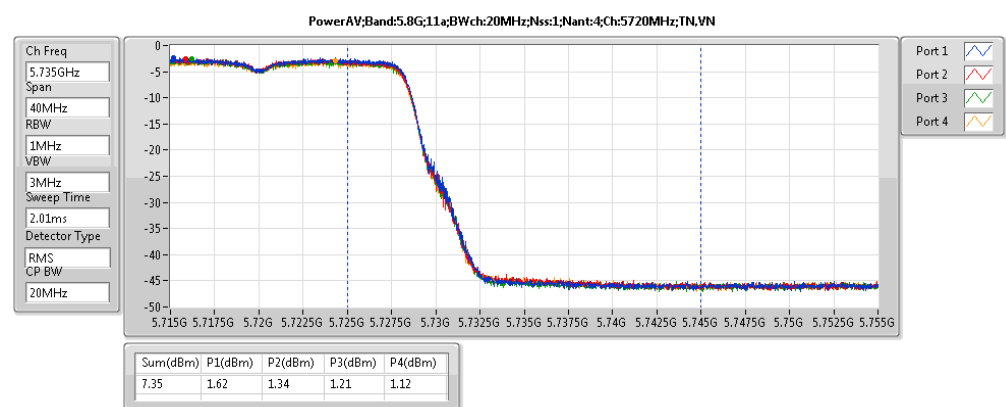
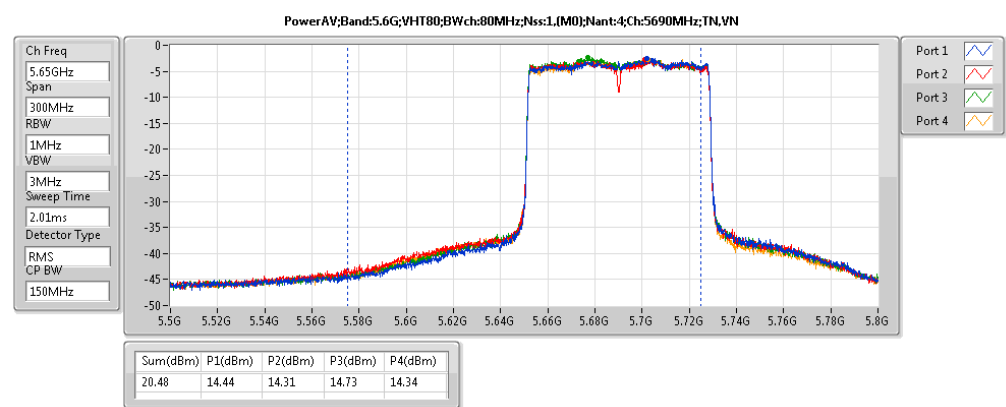
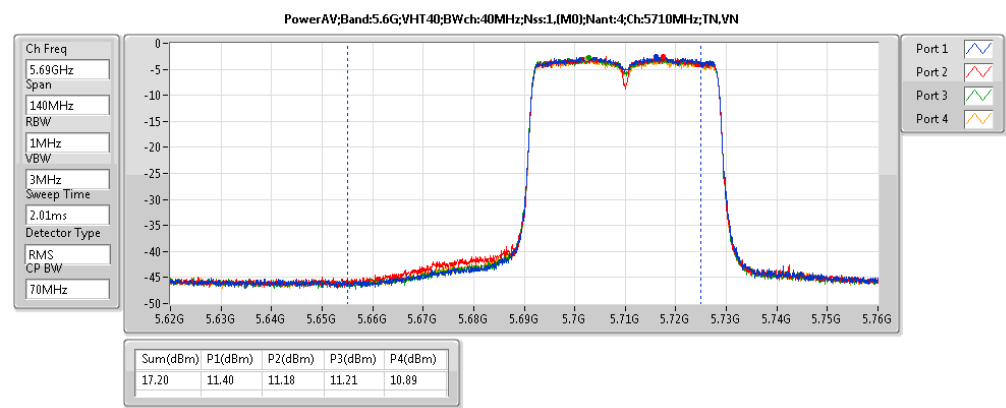
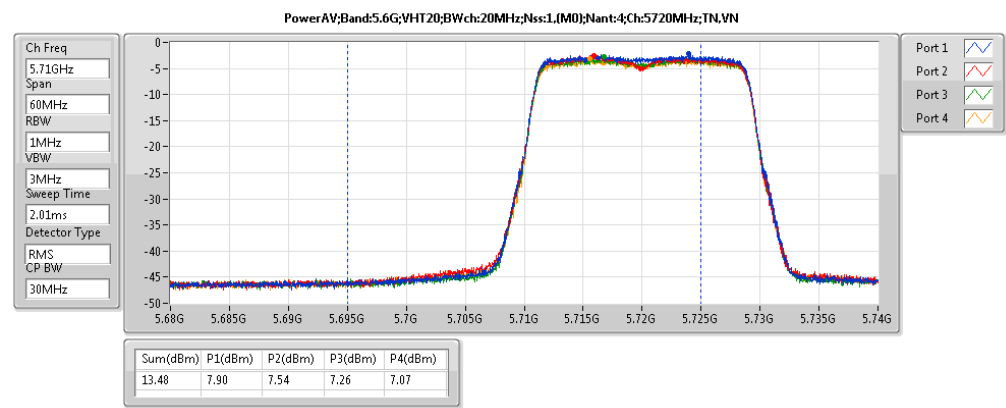
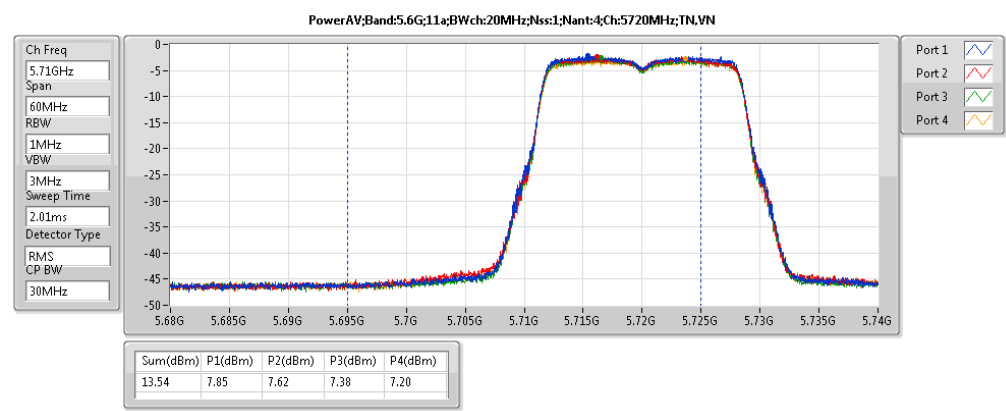
Summary

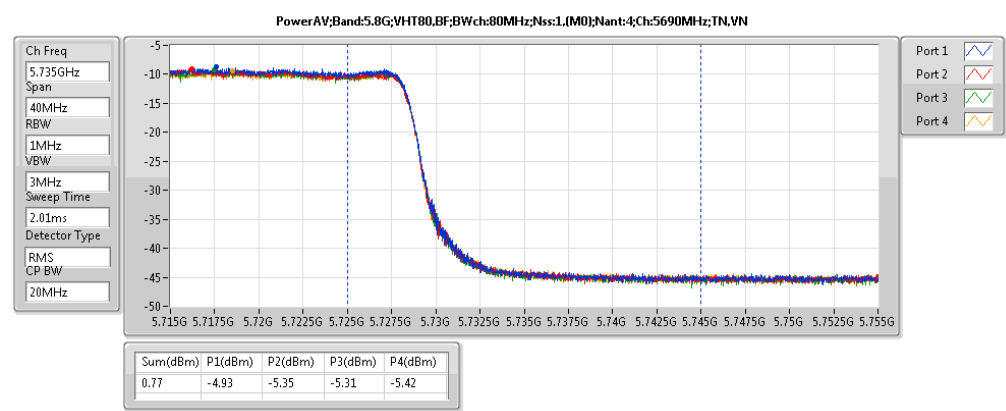
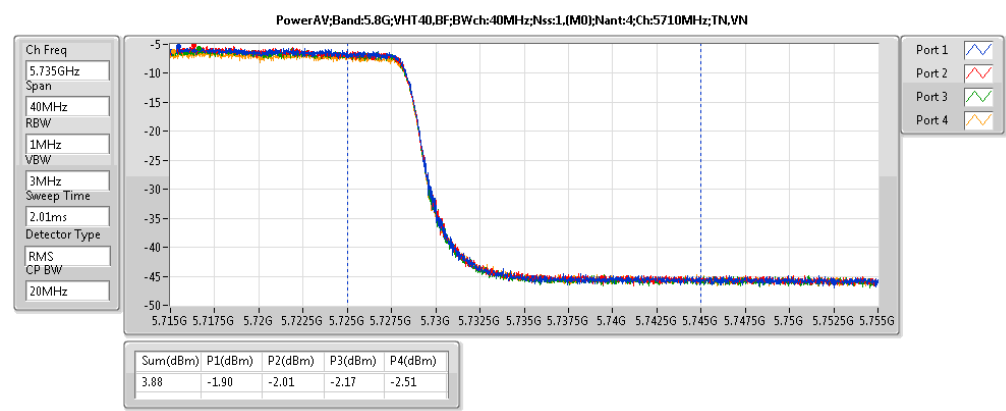
Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.3G;11a;Nss1;Ntx4	14.18	0.02618	23.58	0.22803
5.3G;VHT20;Nss1,(M0);Ntx4	14.65	0.02917	24.05	0.2541
5.3G;VHT40;Nss1,(M0);Ntx4	17.73	0.05929	27.13	0.51642
5.3G;VHT80;Nss1,(M0);Ntx4	16.10	0.04074	25.50	0.35481
5.6G;11a;Nss1;Ntx4	14.55	0.02851	23.95	0.24831
5.6G;VHT20;Nss1,(M0);Ntx4	14.82	0.03034	24.22	0.26424
5.6G;VHT40;Nss1,(M0);Ntx4	17.90	0.06166	27.30	0.53703
5.6G;VHT80;Nss1,(M0);Ntx4	20.48	0.11169	29.88	0.97275
5.8G;11a;Nss1;Ntx4	7.35	0.00543	16.75	0.04732
5.8G;VHT20;Nss1,(M0);Ntx4	7.82	0.00605	17.22	0.05272
5.8G;VHT40;Nss1,(M0);Ntx4	6.77	0.00475	16.17	0.0414
5.8G;VHT80;Nss1,(M0);Ntx4	6.74	0.00472	16.14	0.04111
5.3G;VHT20,BF;Nss1,(M0);Ntx4	14.51	0.02825	29.93	0.98401
5.3G;VHT40,BF;Nss1,(M0);Ntx4	14.39	0.02748	29.81	0.95719
5.3G;VHT80,BF;Nss1,(M0);Ntx4	14.42	0.02767	29.84	0.96383
5.6G;VHT20,BF;Nss1,(M0);Ntx4	14.55	0.02851	29.97	0.99312
5.6G;VHT40,BF;Nss1,(M0);Ntx4	14.39	0.02748	29.81	0.95719
5.6G;VHT80,BF;Nss1,(M0);Ntx4	14.48	0.02805	29.90	0.97724
5.8G;VHT20,BF;Nss1,(M0);Ntx4	7.83	0.00607	23.25	0.21135
5.8G;VHT40,BF;Nss1,(M0);Ntx4	3.88	0.00244	19.30	0.08511
5.8G;VHT80,BF;Nss1,(M0);Ntx4	0.77	0.00119	16.19	0.04159



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	13.96	20.58	23.36	30.00	7.47	7.38	8.65	8.13
5.3G;11a;Nss1;Ntx4;5300	Pass	9.40	14.06	20.58	23.46	30.00	7.59	7.60	8.67	8.20
5.3G;11a;Nss1;Ntx4;5320	Pass	9.40	14.18	20.58	23.58	30.00	8.05	8.15	8.28	8.16
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	9.40	14.65	20.58	24.05	30.00	8.39	8.86	8.86	8.38
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	9.40	14.56	20.58	23.96	30.00	7.83	8.81	8.99	8.44
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	9.40	14.58	20.58	23.98	30.00	8.19	8.23	8.49	9.25
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	9.40	17.44	20.58	26.84	30.00	11.02	11.71	11.71	11.21
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	9.40	17.73	20.58	27.13	30.00	10.92	10.91	12.37	12.38
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	9.40	16.10	20.58	25.50	30.00	9.31	9.26	10.76	10.75
5.6G;11a;Nss1;Ntx4;5500	Pass	9.40	14.49	20.58	23.89	30.00	8.21	8.20	8.72	8.73
5.6G;11a;Nss1;Ntx4;5580	Pass	9.40	14.08	20.58	23.48	30.00	8.10	8.05	8.22	7.88
5.6G;11a;Nss1;Ntx4;5700	Pass	9.40	14.55	20.58	23.95	30.00	8.66	8.65	8.40	8.38
5.6G;11a;Nss1;Ntx4;5720	Pass	9.40	13.54	19.53	22.94	28.93	7.85	7.62	7.38	7.20
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	9.40	14.64	20.58	24.04	30.00	8.48	8.46	9.16	8.31
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	9.40	14.82	20.58	24.22	30.00	8.60	8.61	8.99	9.00
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	9.40	14.82	20.58	24.22	30.00	9.01	9.04	8.53	8.61
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	9.40	13.48	19.56	22.88	28.96	7.90	7.54	7.26	7.07
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	9.40	17.90	20.58	27.30	30.00	11.62	11.62	12.12	12.14
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	9.40	17.85	20.58	27.25	30.00	11.68	11.71	11.95	11.98
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	9.40	17.76	20.58	27.16	30.00	11.58	11.56	11.91	11.90
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	9.40	17.20	20.58	26.60	30.00	11.40	11.18	11.21	10.89
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	9.40	16.74	20.58	26.14	30.00	10.39	10.38	11.02	11.03
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	9.40	20.24	20.58	29.64	30.00	14.24	14.20	14.18	14.23
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	9.40	20.48	20.58	29.88	30.00	14.44	14.31	14.73	14.34
5.8G;11a;Nss1;Ntx4;5720	Pass	9.40	7.35	26.60	16.75	36.00	1.62	1.34	1.21	1.12
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	9.40	7.82	26.60	17.22	36.00	2.26	1.83	1.61	1.47
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	9.40	6.77	26.60	16.17	36.00	1.06	0.76	0.63	0.53
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	9.40	6.74	26.60	16.14	36.00	0.98	0.41	0.81	0.65
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	15.42	14.51	14.56	29.93	30.00	7.69	7.68	9.17	9.17
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	15.42	14.29	14.56	29.71	30.00	7.61	8.61	8.65	8.11
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	15.42	14.25	14.56	29.67	30.00	8.12	8.02	8.02	8.72
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	15.42	14.37	14.56	29.79	30.00	7.61	8.80	8.79	8.09
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	15.42	14.39	14.56	29.81	30.00	7.96	8.62	8.66	8.20
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	15.42	14.42	14.56	29.84	30.00	7.82	7.82	9.28	8.50
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	15.42	14.55	14.56	29.97	30.00	8.37	8.34	8.55	8.84
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	15.42	14.55	14.56	29.97	30.00	8.27	8.21	8.84	8.77
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	15.42	14.40	14.56	29.82	30.00	8.52	8.53	8.22	8.23
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	15.42	13.49	13.53	28.91	28.95	7.94	7.54	7.28	7.07
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	15.42	14.39	14.56	29.81	30.00	7.99	8.25	8.60	8.59
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	15.42	14.28	14.56	29.70	30.00	8.03	8.48	8.48	8.03
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	15.42	14.30	14.56	29.72	30.00	7.70	8.57	8.41	8.40
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	15.42	14.26	14.56	29.68	30.00	8.57	8.37	8.20	7.78
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	15.42	14.18	14.56	29.60	30.00	8.14	8.13	8.38	7.98
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	15.42	14.33	14.56	29.75	30.00	8.21	8.46	8.48	8.05
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	15.42	14.48	14.56	29.90	30.00	8.56	8.50	8.65	8.13
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	15.42	7.83	20.58	23.25	36.00	2.28	1.78	1.66	1.45
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	15.42	3.88	20.58	19.30	36.00	-1.90	-2.01	-2.17	-2.51
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	15.42	0.77	20.58	16.19	36.00	-4.93	-5.35	-5.31	-5.42







Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.3G;11a;Nss1;Ntx4	7.84	16.86
5.3G;VHT20;Nss1,(M0);Ntx4	7.93	16.95
5.3G;VHT40;Nss1,(M0);Ntx4	7.38	16.40
5.3G;VHT80;Nss1,(M0);Ntx4	-1.08	7.94
5.6G;11a;Nss1;Ntx4	7.87	16.89
5.6G;VHT20;Nss1,(M0);Ntx4	7.87	16.89
5.6G;VHT40;Nss1,(M0);Ntx4	7.75	16.77
5.6G;VHT80;Nss1,(M0);Ntx4	4.84	13.86
5.8G;11a;Nss1;Ntx4	6.00	15.02
5.8G;VHT20;Nss1,(M0);Ntx4	5.86	14.88
5.8G;VHT40;Nss1,(M0);Ntx4	5.55	14.57
5.8G;VHT80;Nss1,(M0);Ntx4	2.56	11.58
5.3G;VHT20,BF;Nss1,(M0);Ntx4	7.32	16.34
5.3G;VHT40,BF;Nss1,(M0);Ntx4	4.59	13.61
5.3G;VHT80,BF;Nss1,(M0);Ntx4	0.66	9.68
5.6G;VHT20,BF;Nss1,(M0);Ntx4	7.27	16.29
5.6G;VHT40,BF;Nss1,(M0);Ntx4	4.77	13.79
5.6G;VHT80,BF;Nss1,(M0);Ntx4	1.83	10.85
5.8G;VHT20,BF;Nss1,(M0);Ntx4	5.34	14.36
5.8G;VHT40,BF;Nss1,(M0);Ntx4	2.53	11.55
5.8G;VHT80,BF;Nss1,(M0);Ntx4	-0.75	8.28



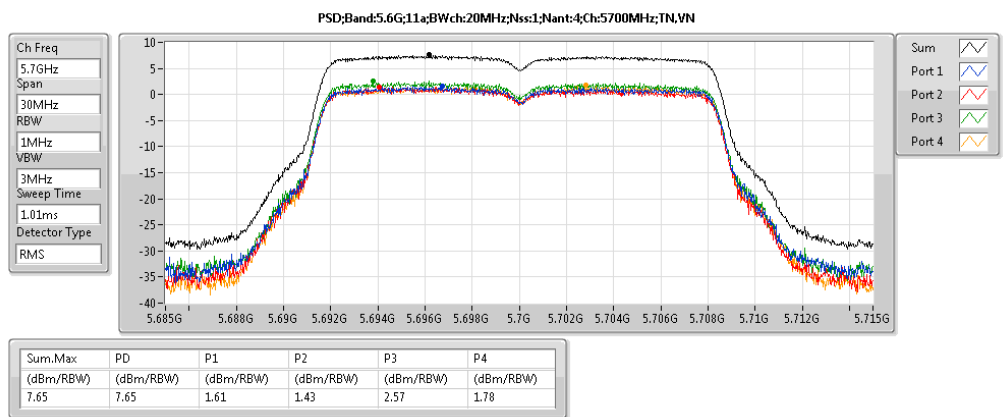
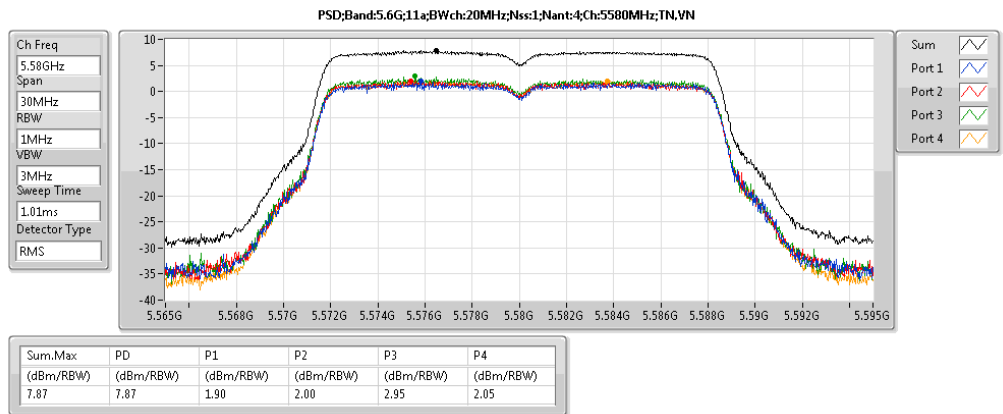
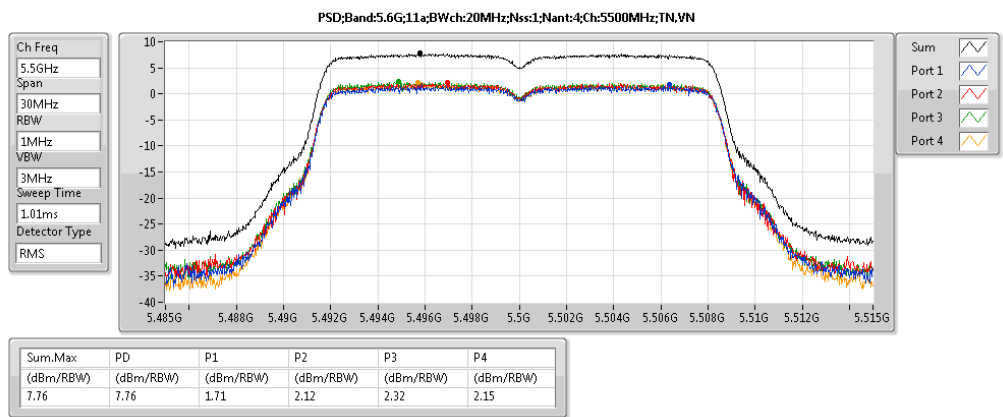
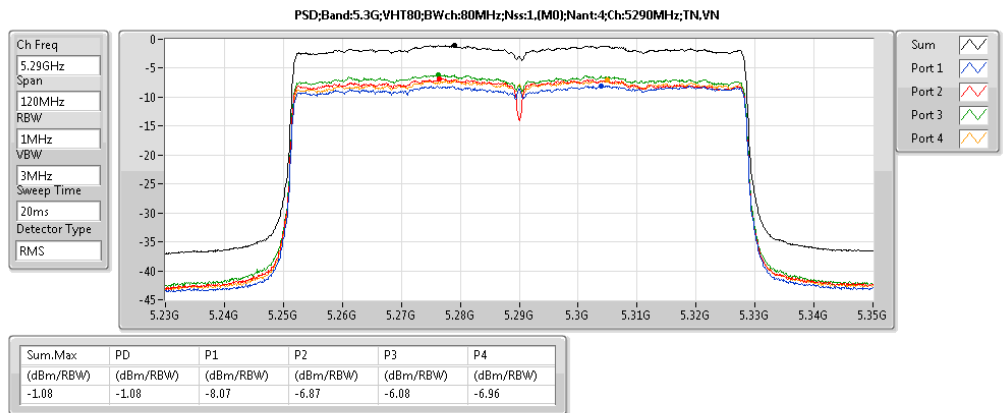
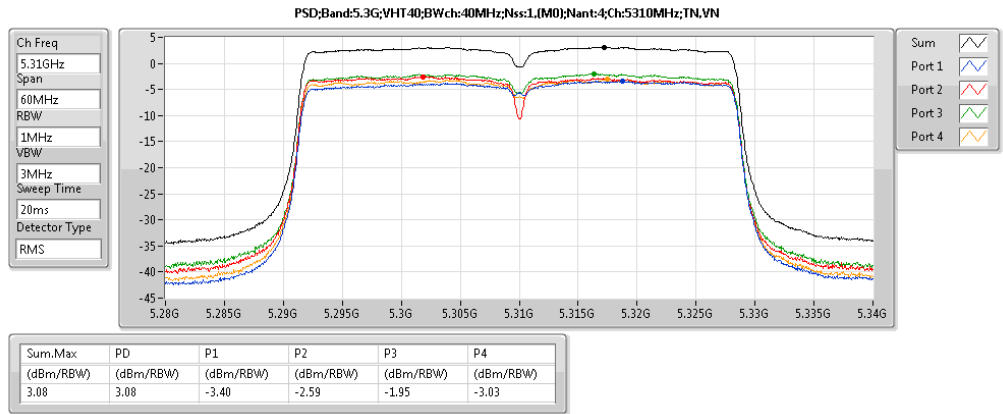
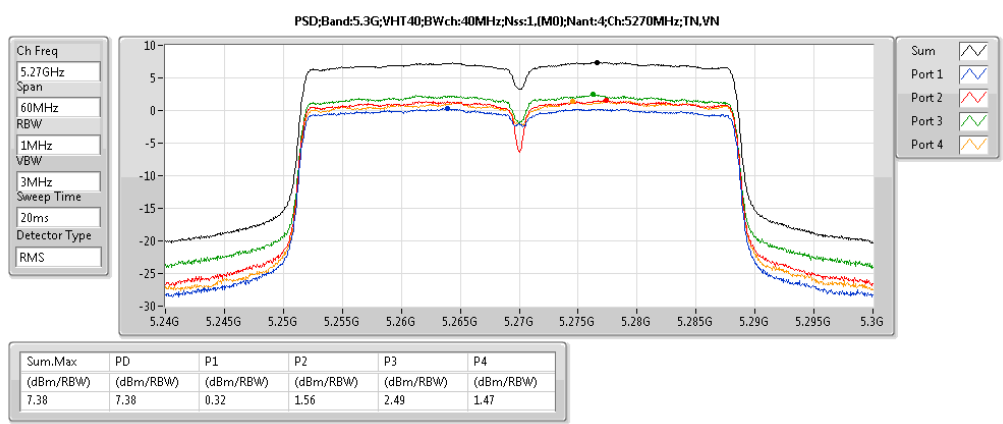
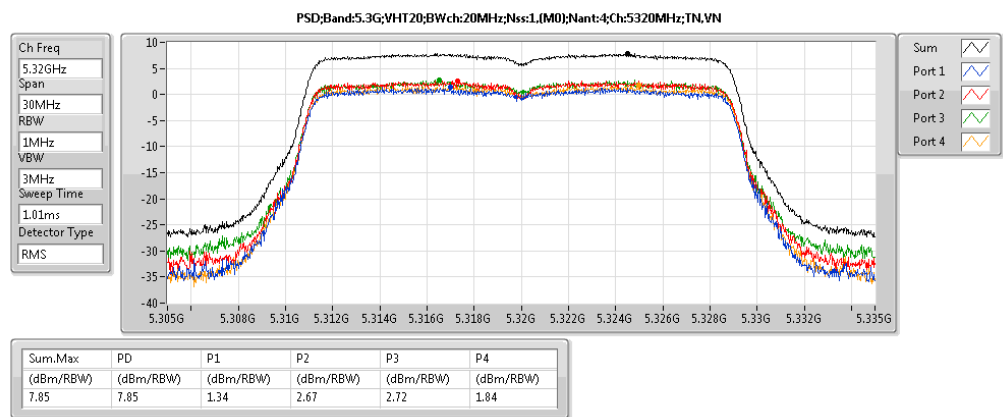
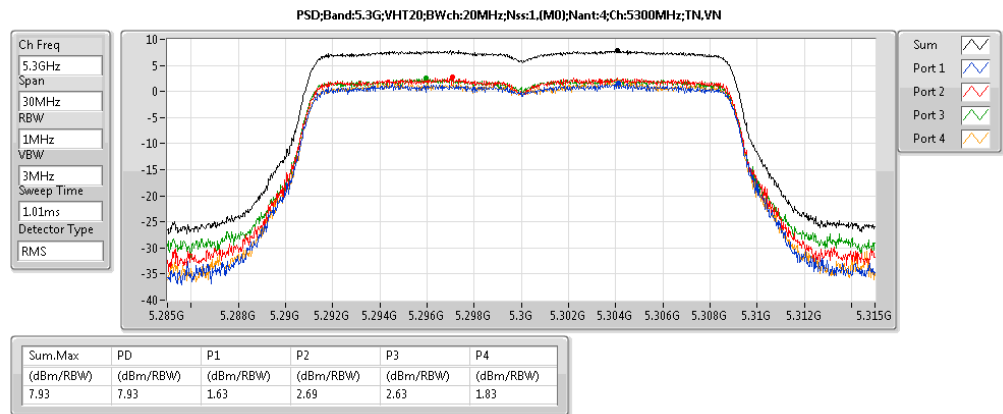
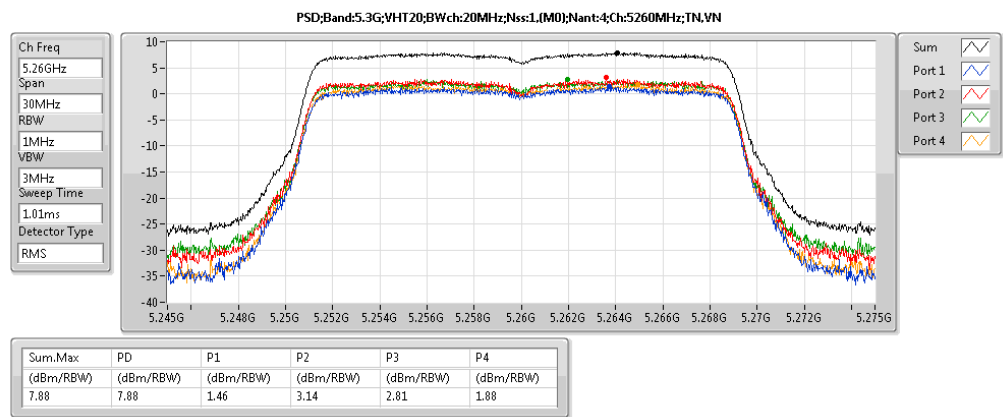
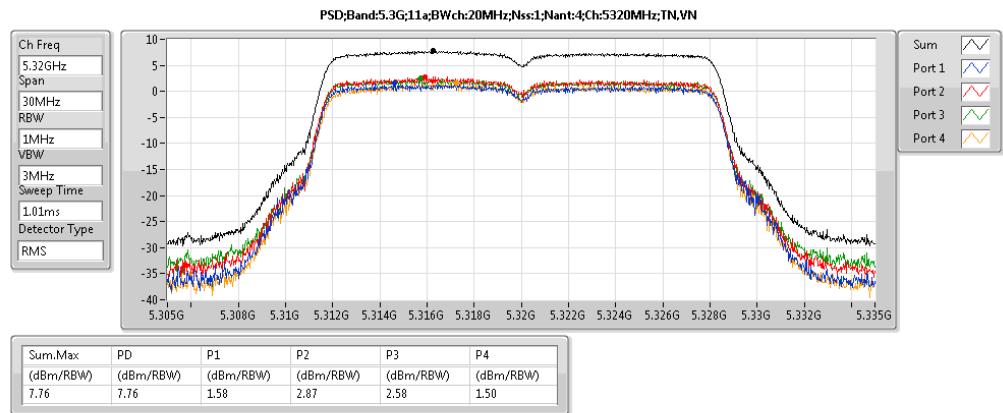
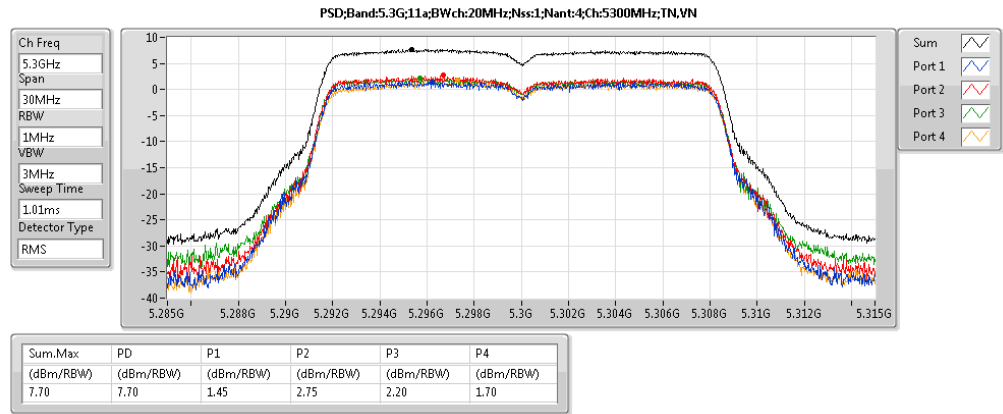
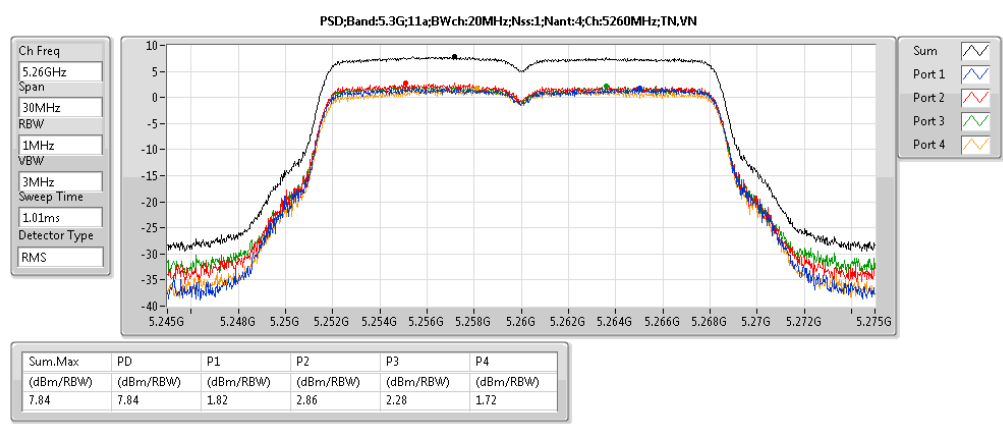
Result

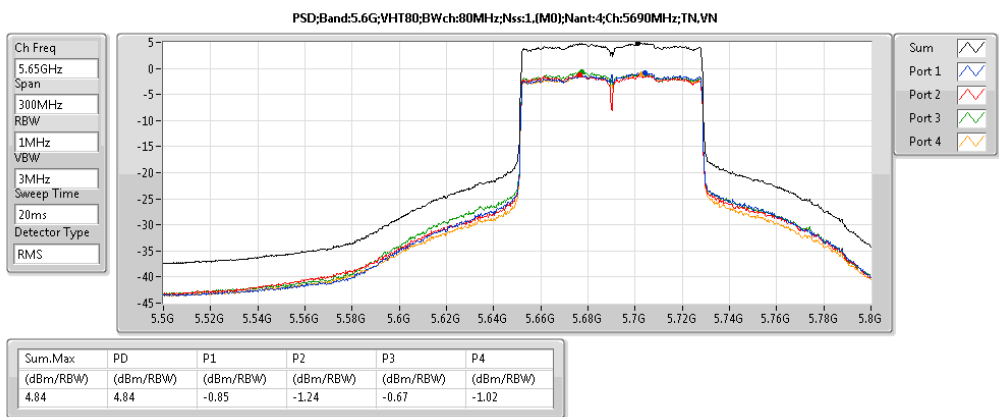
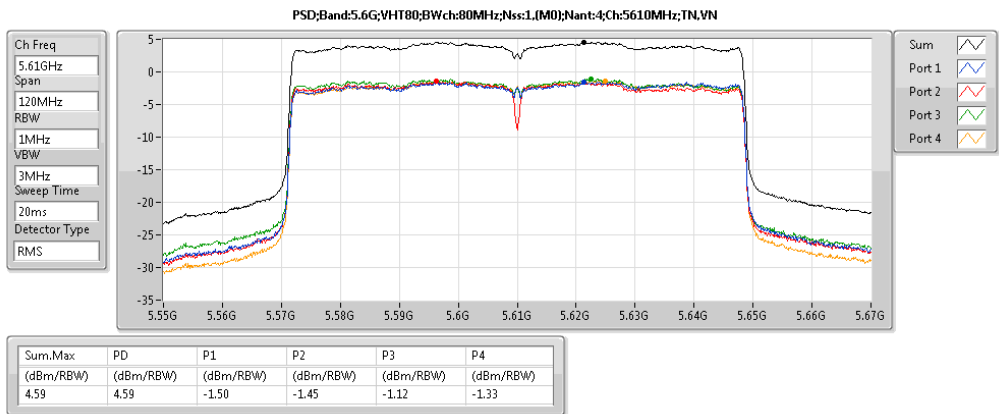
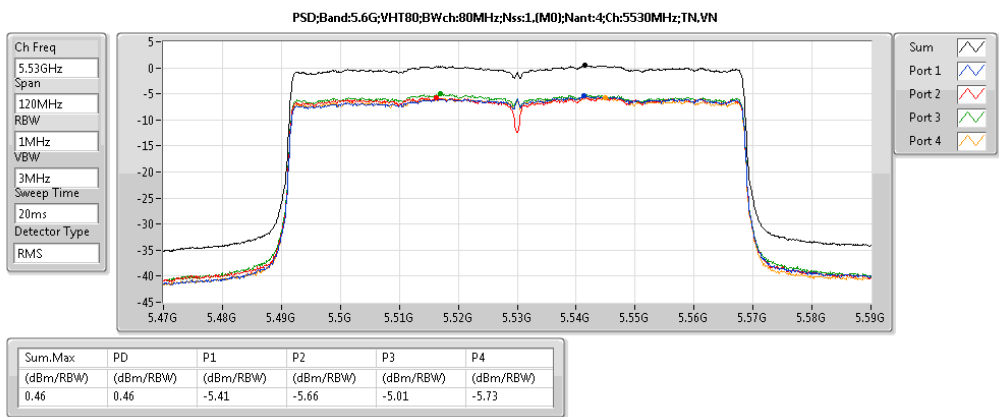
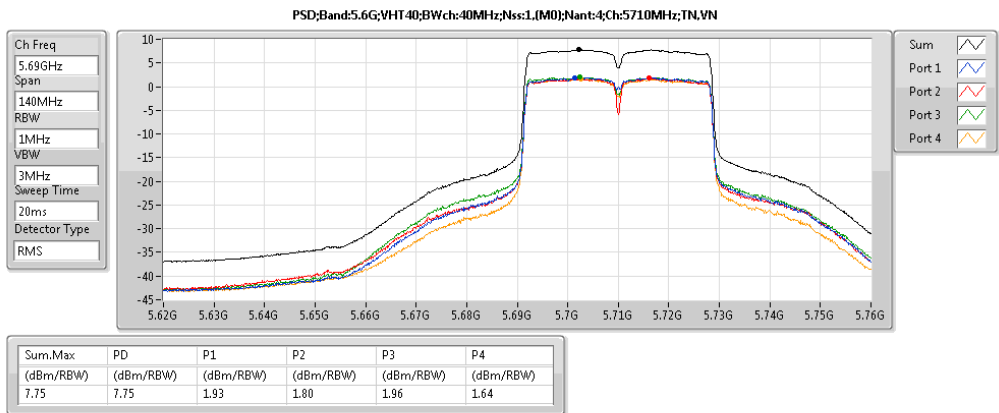
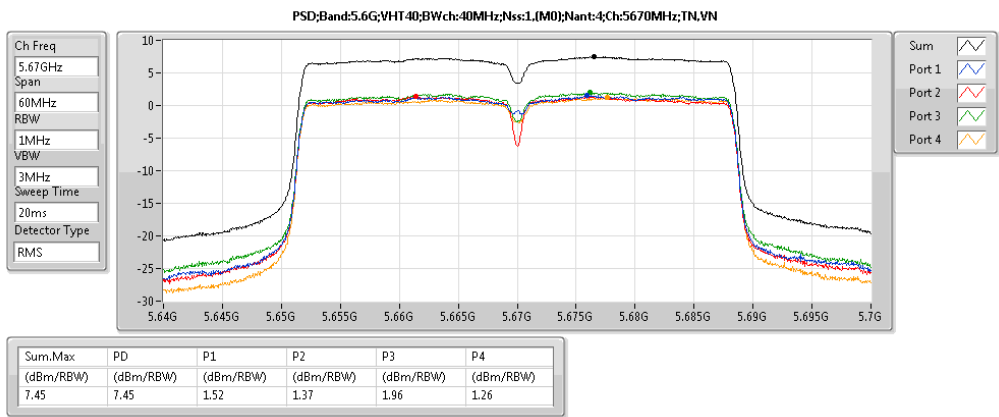
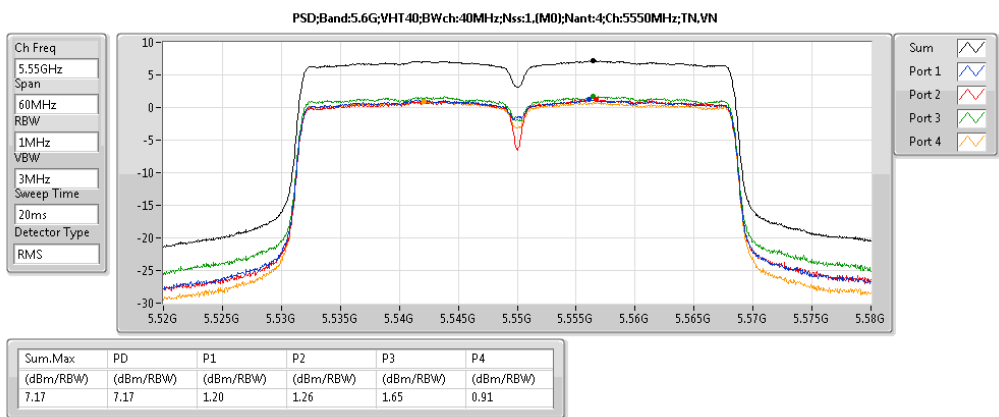
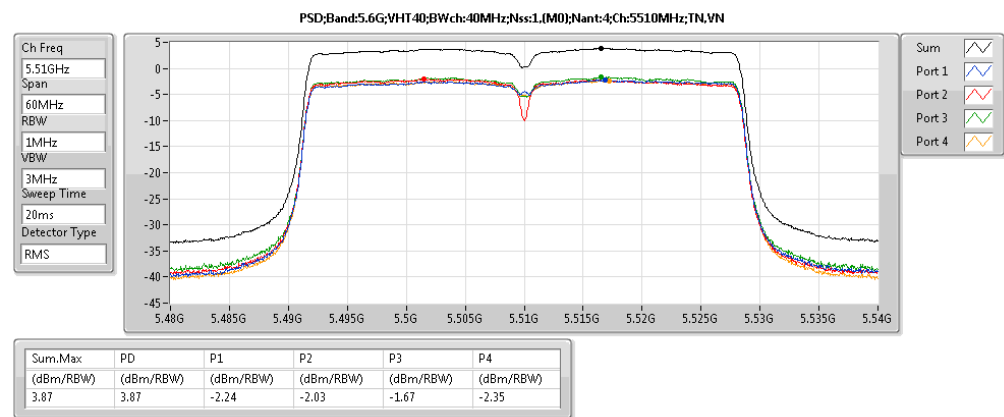
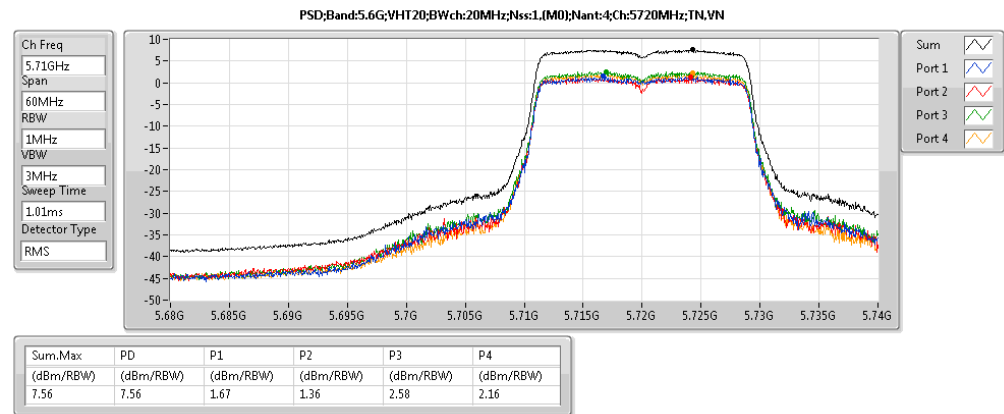
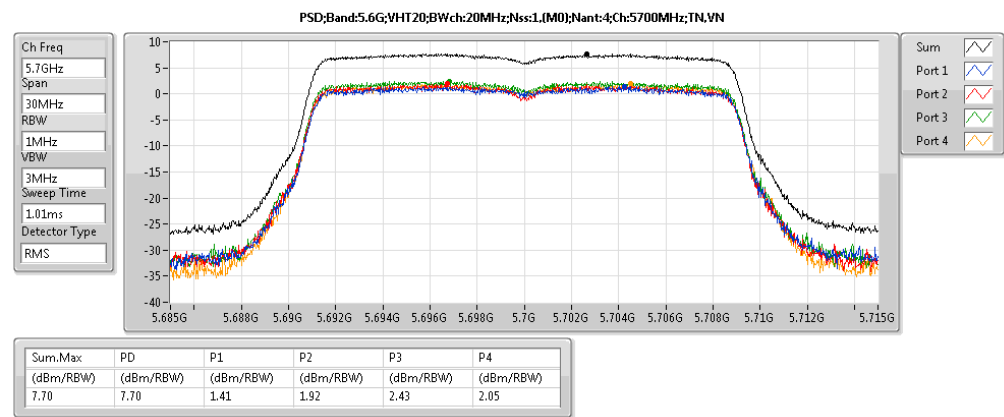
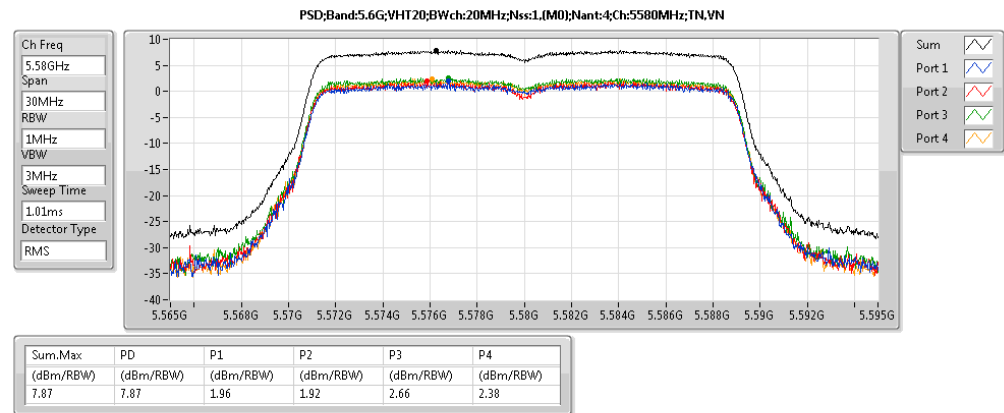
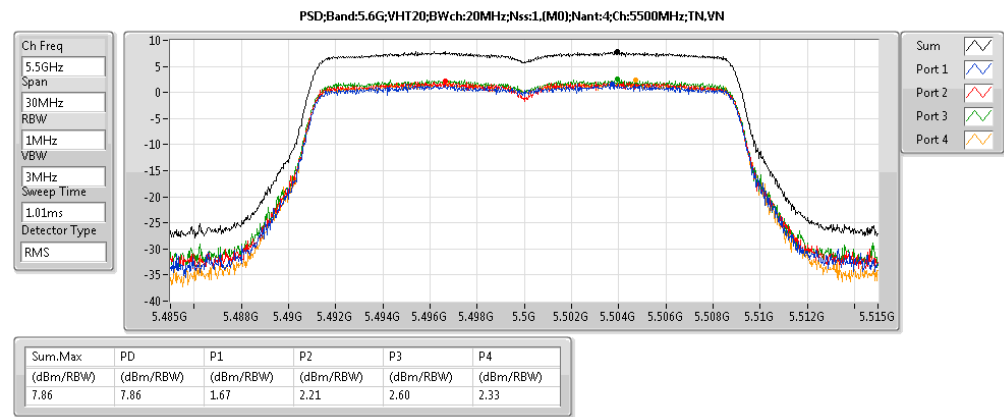
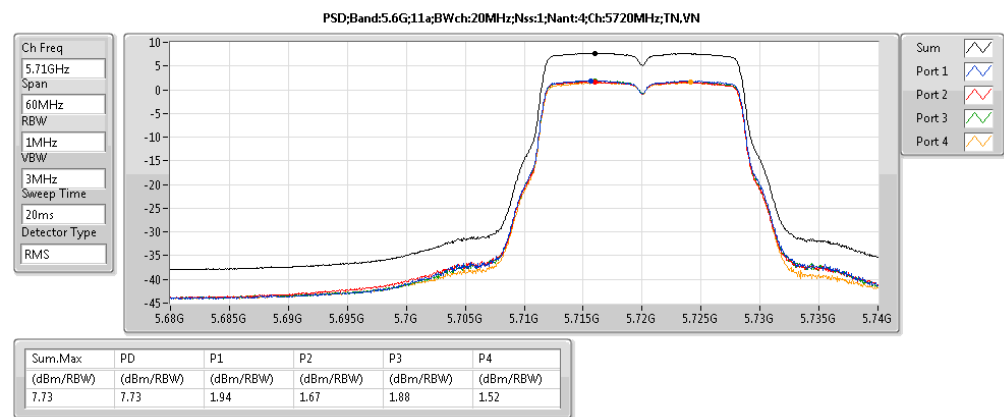
Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.3G;11a;Nss1;Ntx4;5260	Pass	1M	1M	0.00	9.02	7.84	7.98	16.86	Inf	1.82	2.86	2.28	1.72
5.3G;11a;Nss1;Ntx4;5300	Pass	1M	1M	0.00	9.02	7.70	7.98	16.73	Inf	1.45	2.75	2.20	1.70
5.3G;11a;Nss1;Ntx4;5320	Pass	1M	1M	0.00	9.02	7.76	7.98	16.78	Inf	1.58	2.87	2.58	1.50
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	9.02	7.88	7.98	16.91	Inf	1.46	3.14	2.81	1.88
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	9.02	7.93	7.98	16.95	Inf	1.63	2.69	2.63	1.83
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	9.02	7.85	7.98	16.88	Inf	1.34	2.67	2.72	1.84
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	9.02	7.38	7.98	16.40	Inf	0.32	1.56	2.49	1.47
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	9.02	3.08	7.98	12.10	Inf	-3.40	-2.59	-1.95	-3.03
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	9.02	-1.08	7.98	7.94	Inf	-8.07	-6.87	-6.08	-6.96
5.6G;11a;Nss1;Ntx4;5500	Pass	1M	1M	0.00	9.02	7.76	7.98	16.78	Inf	1.71	2.12	2.32	2.15
5.6G;11a;Nss1;Ntx4;5580	Pass	1M	1M	0.00	9.02	7.87	7.98	16.89	Inf	1.90	2.00	2.95	2.05
5.6G;11a;Nss1;Ntx4;5700	Pass	1M	1M	0.00	9.02	7.65	7.98	16.67	Inf	1.61	1.43	2.57	1.78
5.6G;11a;Nss1;Ntx4;5720	Pass	1M	1M	0.00	9.02	7.73	7.98	16.75	Inf	1.94	1.67	1.88	1.52
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	9.02	7.86	7.98	16.88	Inf	1.67	2.21	2.60	2.33
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	9.02	7.87	7.98	16.89	Inf	1.96	1.92	2.66	2.38
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	9.02	7.70	7.98	16.72	Inf	1.41	1.92	2.43	2.05
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	9.02	7.56	7.98	16.58	Inf	1.67	1.36	2.58	2.16
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	9.02	3.87	7.98	12.89	Inf	-2.24	-2.03	-1.67	-2.35
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	9.02	7.17	7.98	16.20	Inf	1.20	1.26	1.65	0.91
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	9.02	7.45	7.98	16.47	Inf	1.52	1.37	1.96	1.26
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	9.02	7.75	7.98	16.77	Inf	1.93	1.80	1.96	1.64
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	9.02	0.46	7.98	9.48	Inf	-5.41	-5.66	-5.01	-5.73
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	9.02	4.59	7.98	13.61	Inf	-1.50	-1.45	-1.12	-1.33
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	9.02	4.84	7.98	13.86	Inf	-0.85	-1.24	-0.67	-1.02
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	500k	0.00	9.02	6.00	26.98	15.02	Inf	0.24	-0.12	0.05	-0.15
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	9.02	5.86	26.98	14.88	Inf	-0.30	-0.50	0.79	0.13
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	9.02	5.55	26.98	14.57	Inf	-0.24	-0.61	-0.15	-0.57
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	9.02	2.56	26.98	11.58	Inf	-3.19	-3.72	-3.39	-3.23
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	9.02	7.32	7.98	16.34	Inf	0.42	1.49	2.24	1.31
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	9.02	7.26	7.98	16.28	Inf	0.58	1.52	2.03	1.19
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	9.02	7.10	7.98	16.12	Inf	0.81	0.91	1.90	1.00
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	9.02	4.59	7.98	13.61	Inf	-2.47	-0.97	-0.45	-1.55
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	9.02	3.93	7.98	12.95	Inf	-2.66	-1.82	-1.10	-2.09
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	9.02	0.66	7.98	9.68	Inf	-6.25	-5.07	-4.35	-5.19
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	9.02	6.87	7.98	15.89	Inf	0.73	0.87	1.53	0.47
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	9.02	6.87	7.98	15.89	Inf	0.89	0.75	1.53	0.54
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	9.02	7.27	7.98	16.29	Inf	1.74	1.13	1.45	1.03
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	9.02	7.08	7.98	16.11	Inf	1.55	1.08	1.16	0.75
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	9.02	4.14	7.98	13.16	Inf	-2.00	-1.78	-1.25	-2.12
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	9.02	4.02	7.98	13.04	Inf	-1.90	-1.78	-1.60	-2.34
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	9.02	4.31	7.98	13.33	Inf	-1.51	-1.74	-1.31	-2.00
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	9.02	4.77	7.98	13.79	Inf	-0.94	-1.03	-1.18	-1.33
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	9.02	1.75	7.98	10.77	Inf	-4.10	-4.57	-3.66	-4.33
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	9.02	1.83	7.98	10.85	Inf	-4.19	-4.17	-3.78	-4.34
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	9.02	1.45	7.98	10.47	Inf	-4.24	-4.64	-4.05	-4.49
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	9.02	5.34	26.98	14.36	Inf	-0.32	-0.85	-0.56	-0.75
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	9.02	2.53	26.98	11.55	Inf	-3.30	-3.55	-3.36	-3.57
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	9.02	-0.75	26.98	8.28	Inf	-6.54	-7.03	-6.53	-6.74

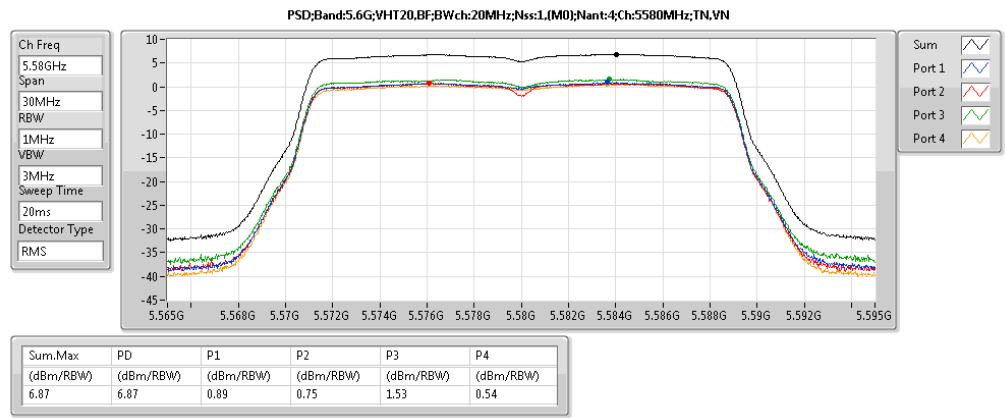
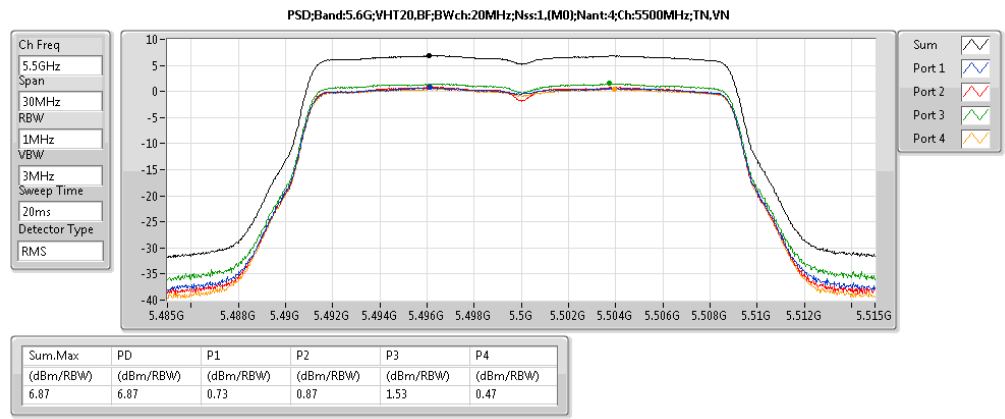
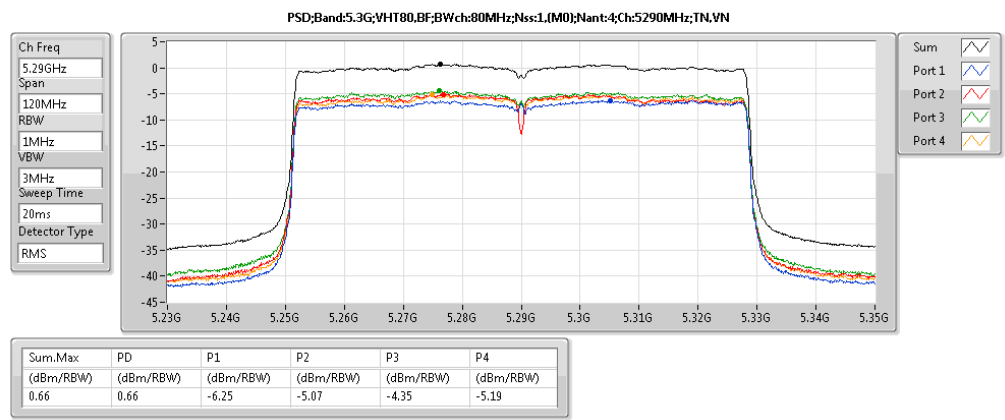
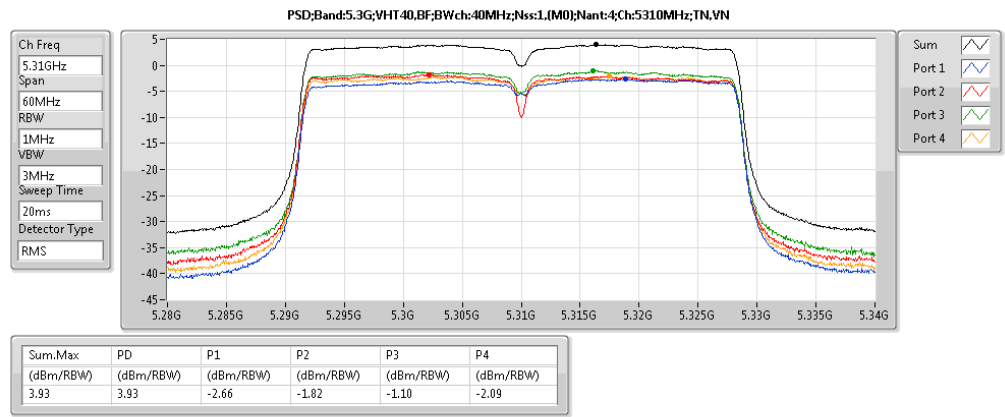
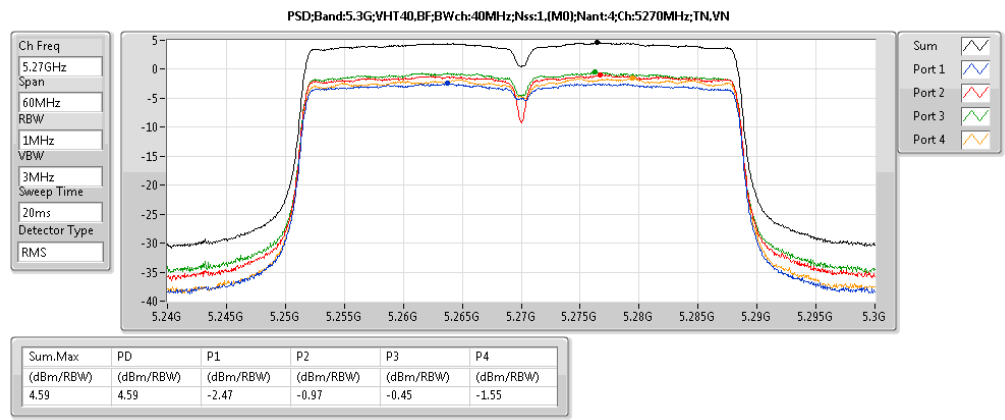
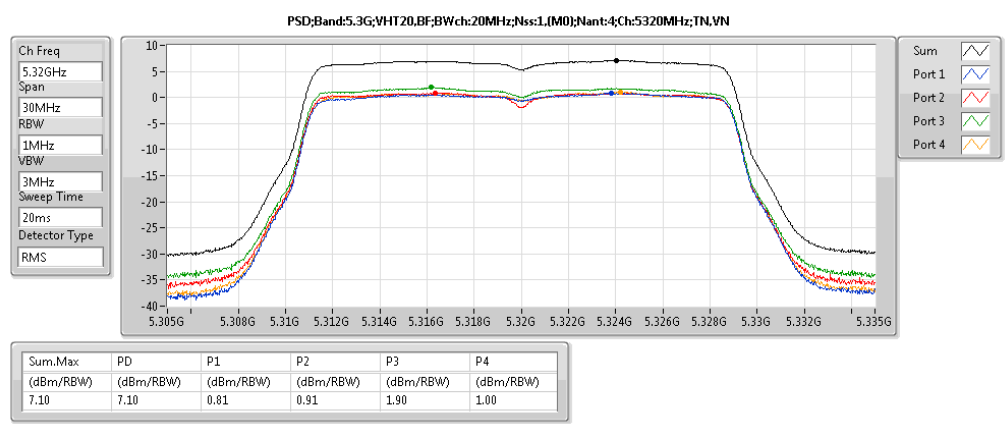
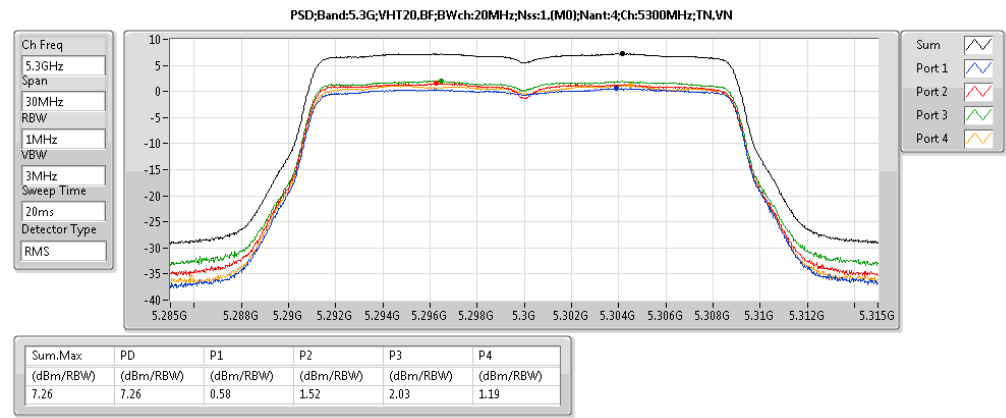
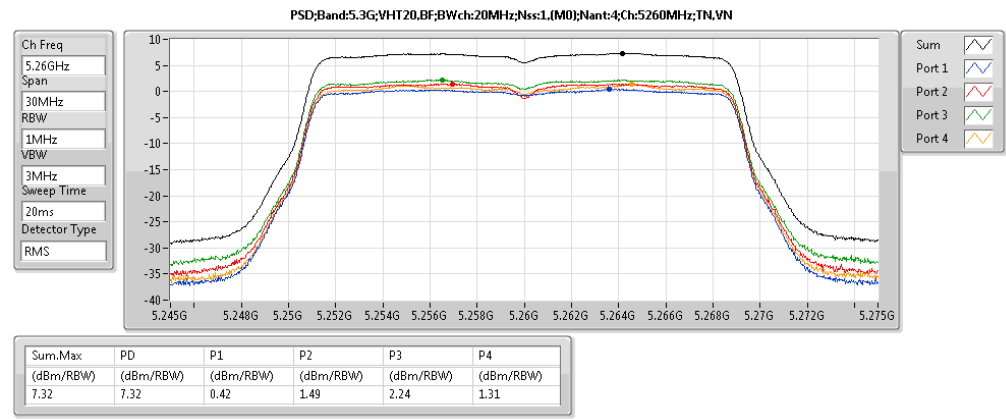
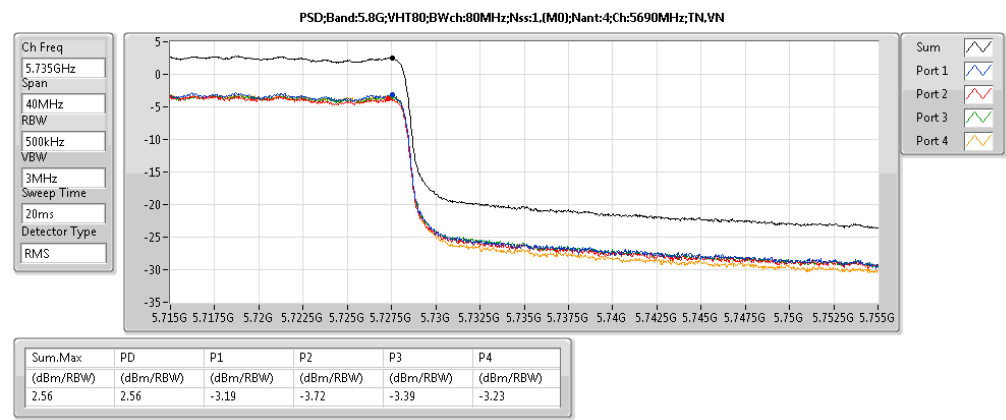
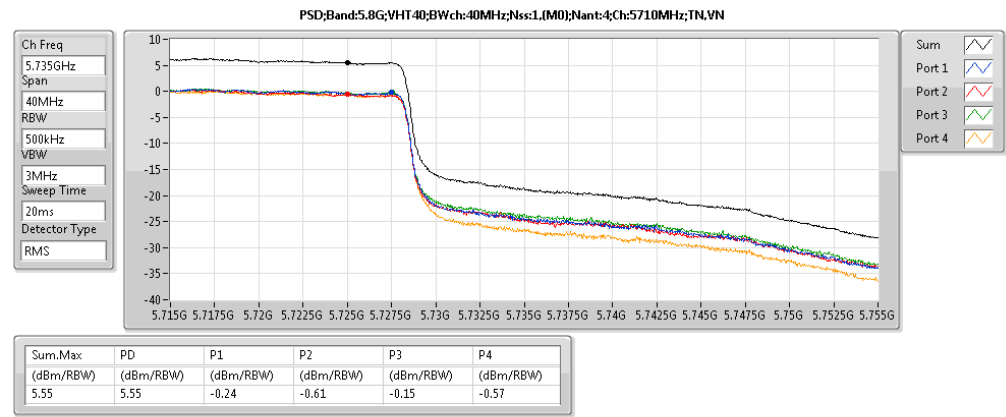
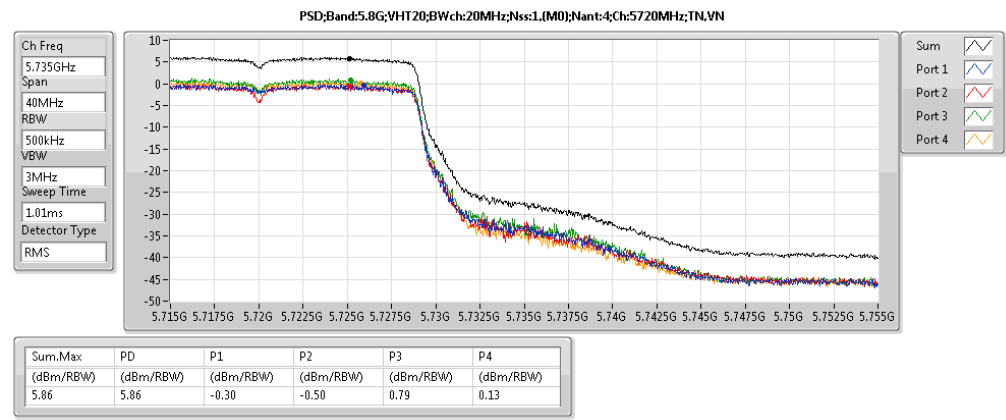
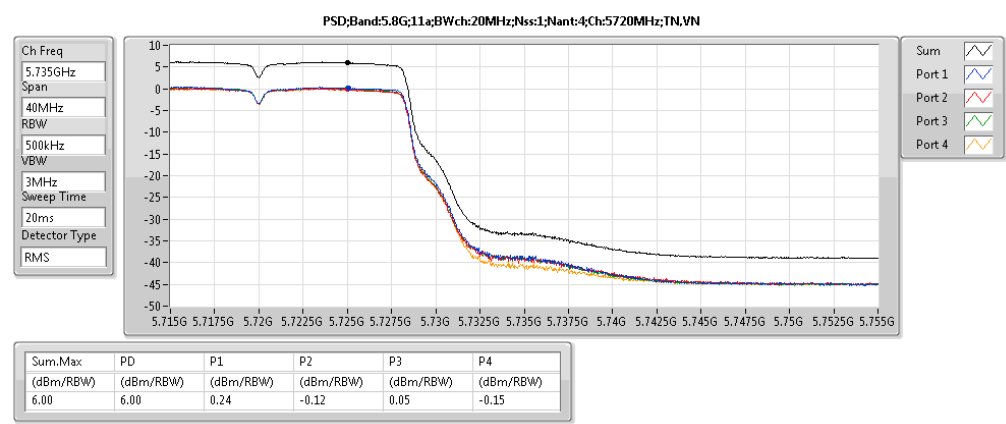


Antenna 1 PSD Result

Appendix C



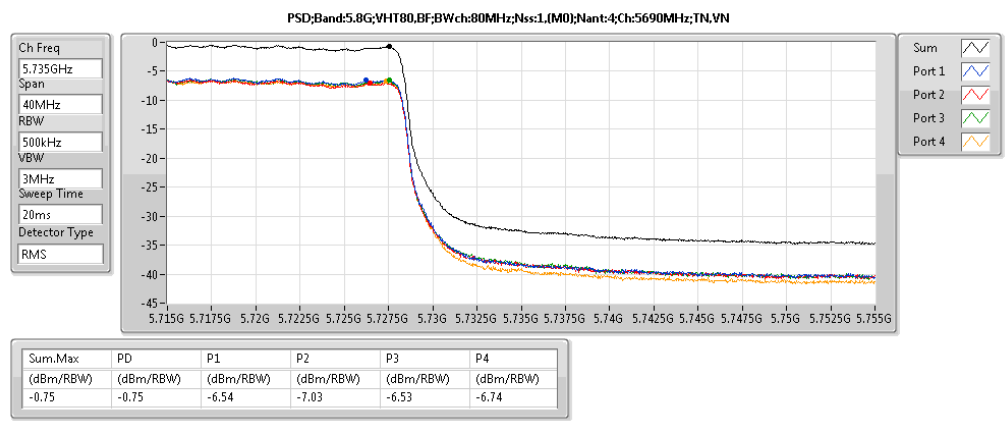
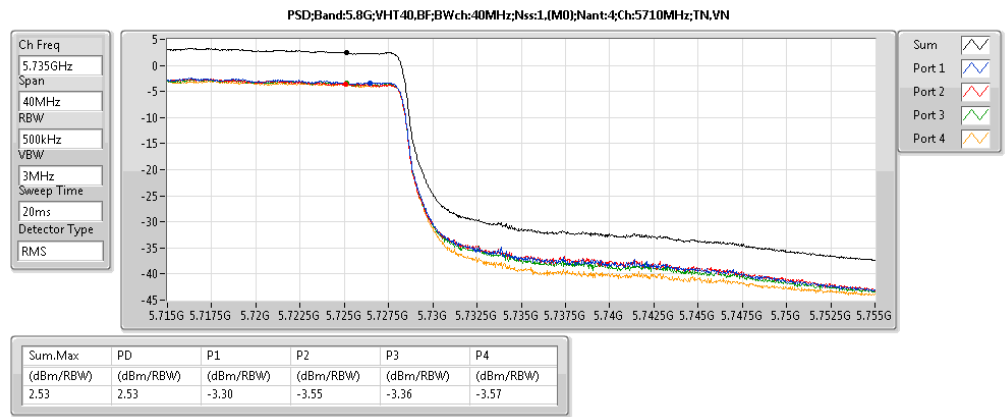
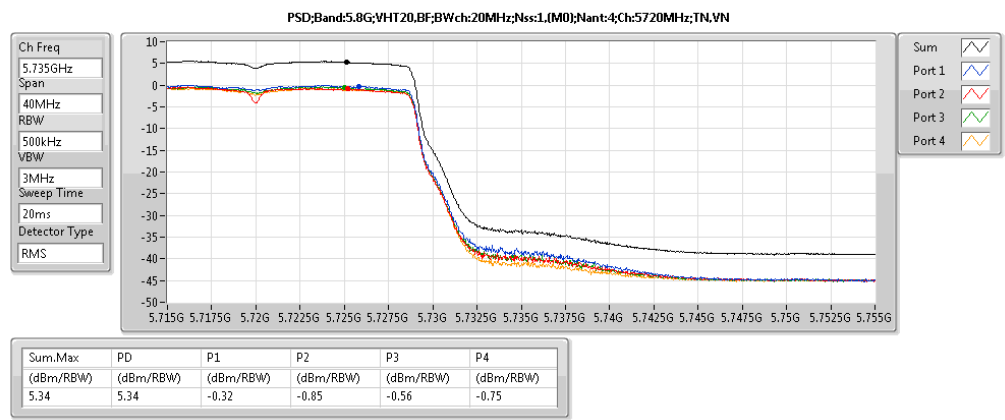
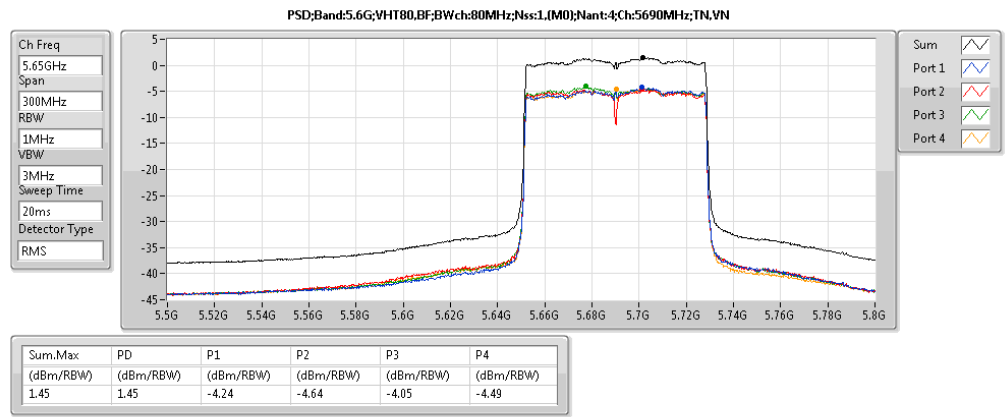
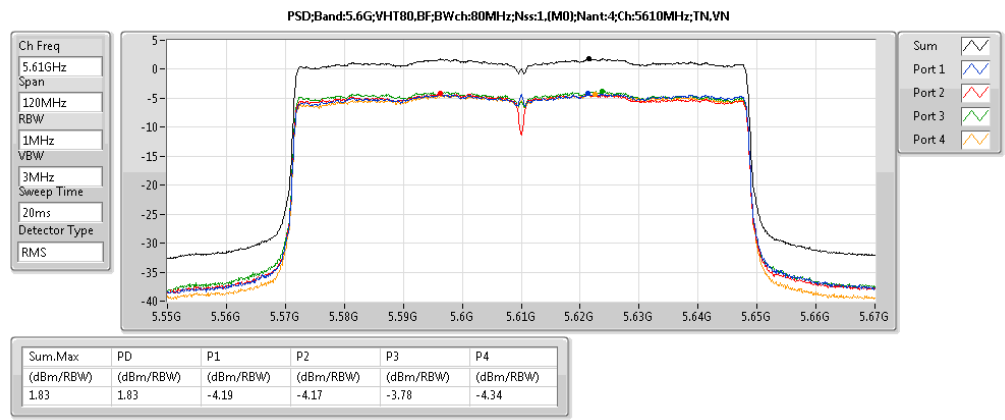
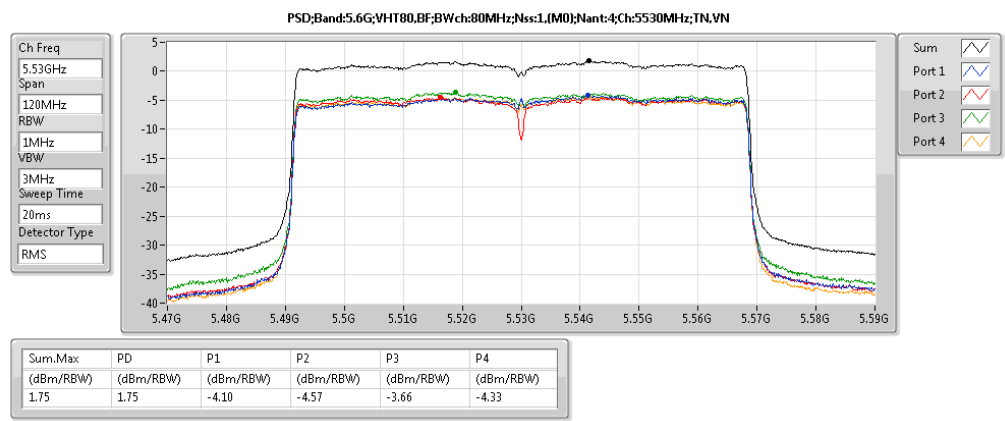
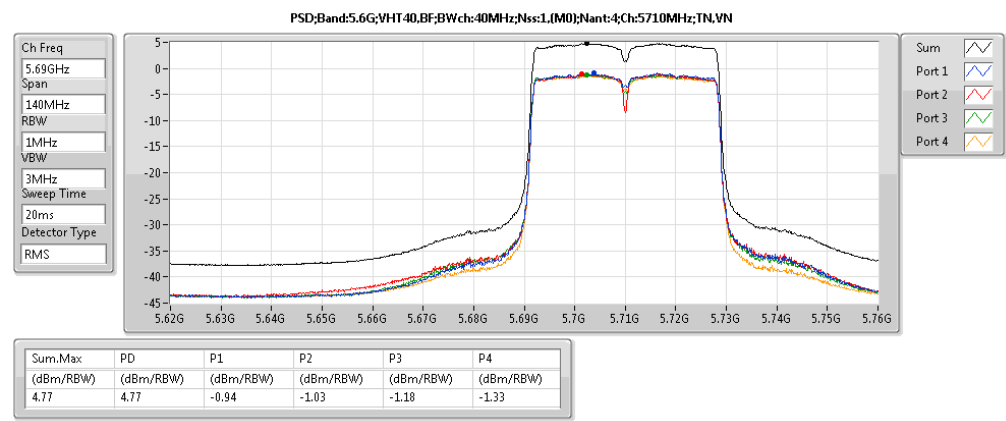
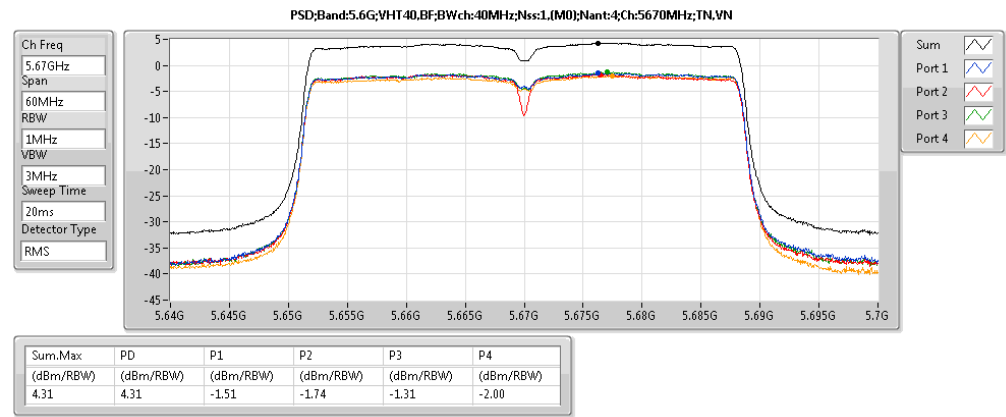
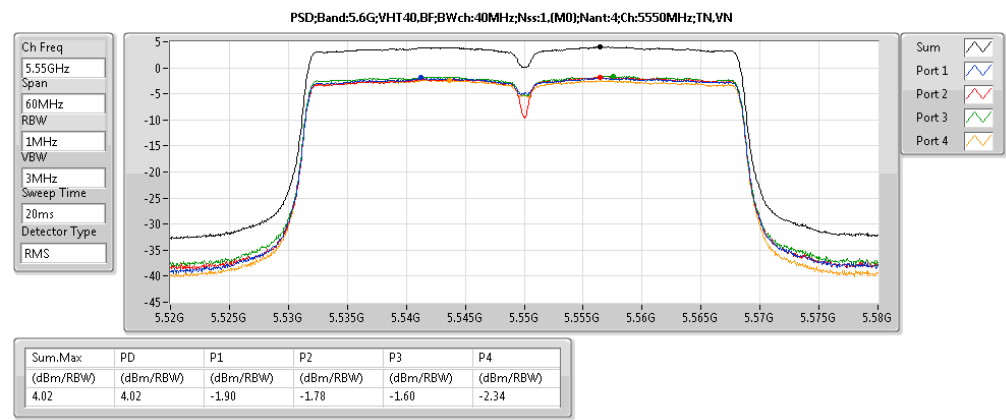
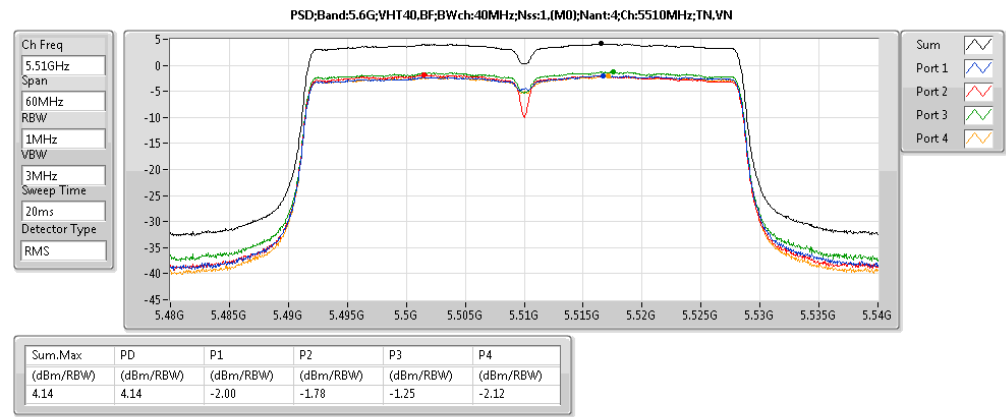
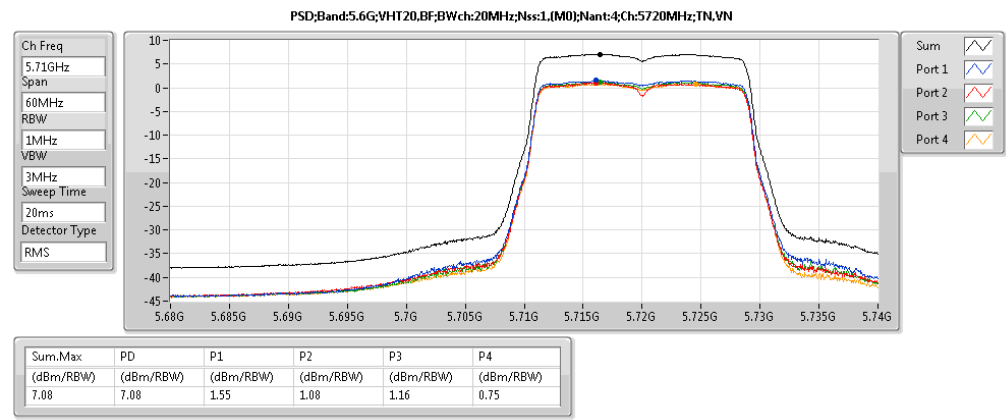
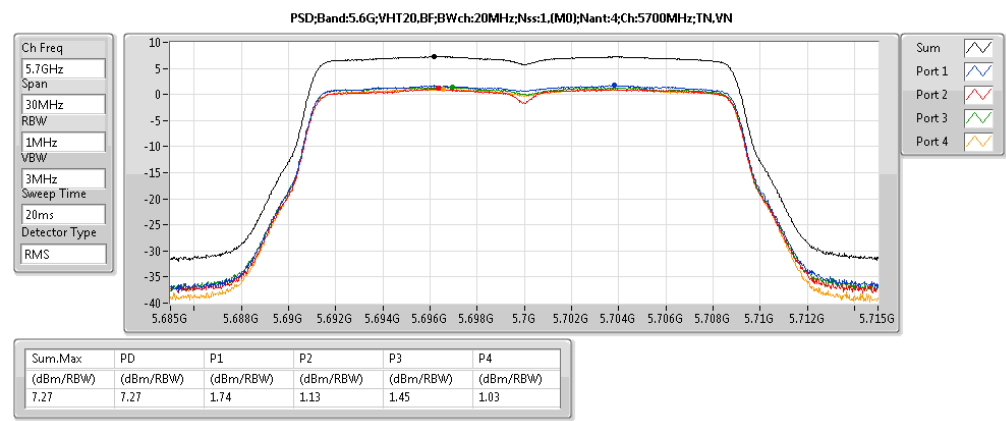






Antenna 1 PSD Result

Appendix C





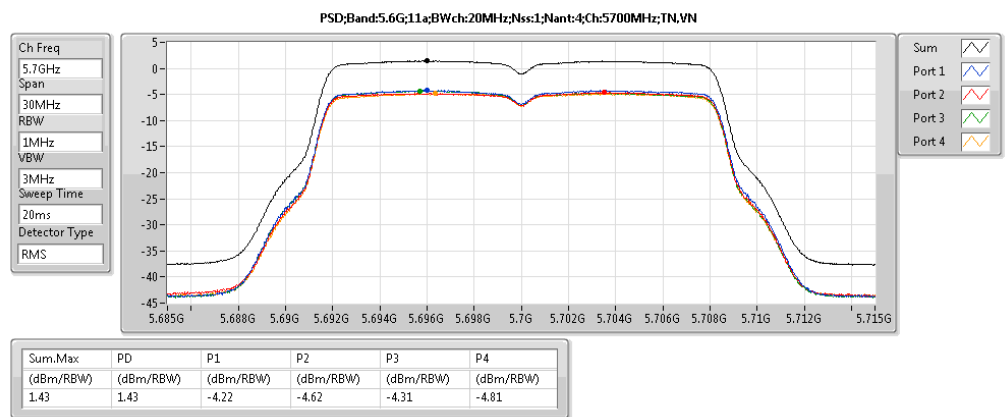
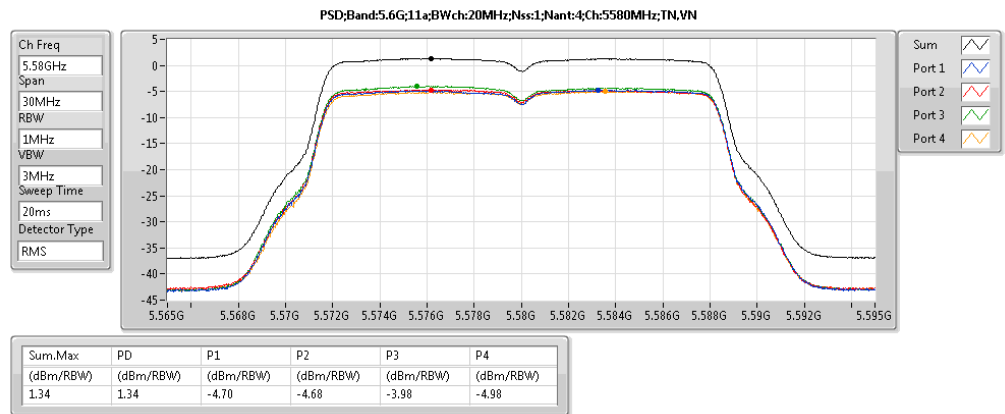
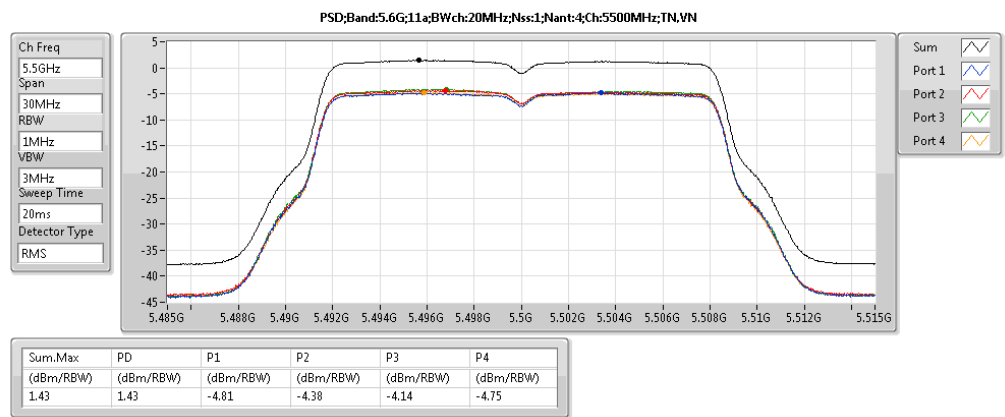
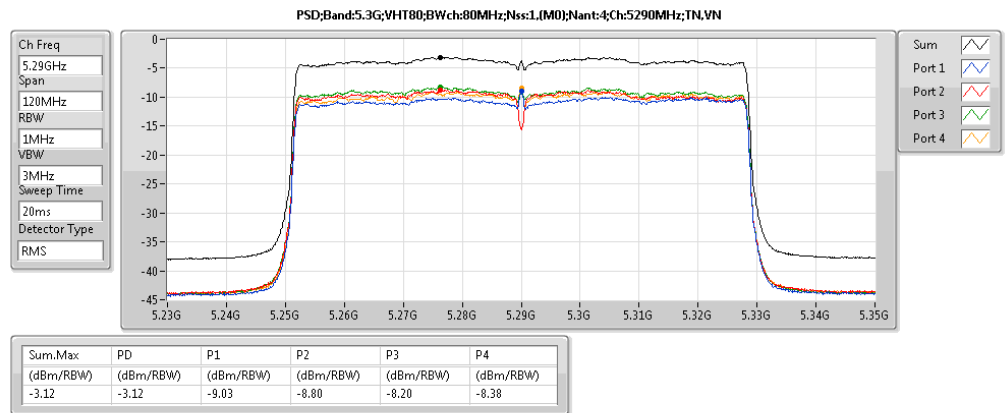
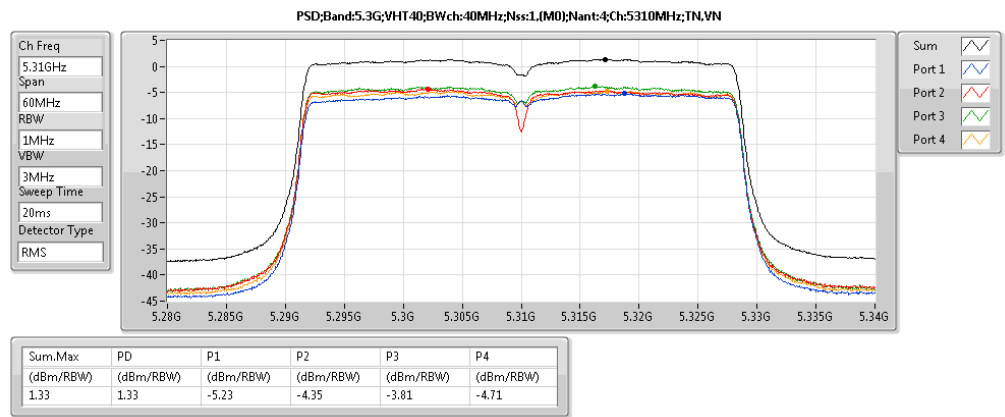
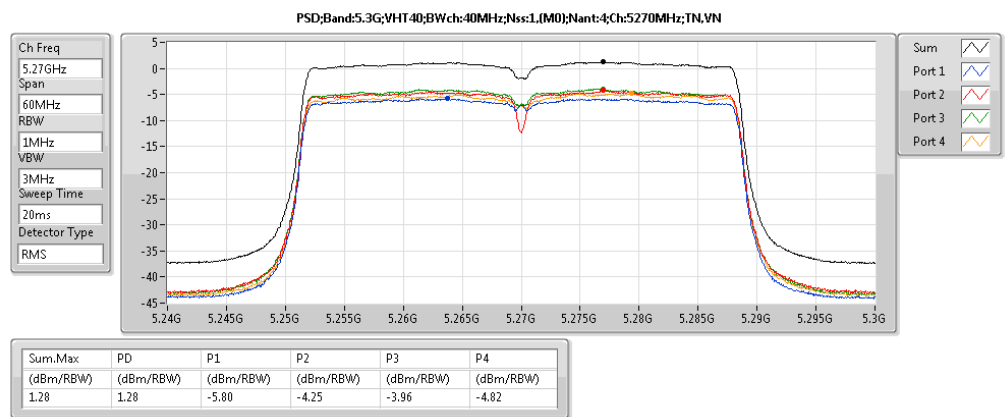
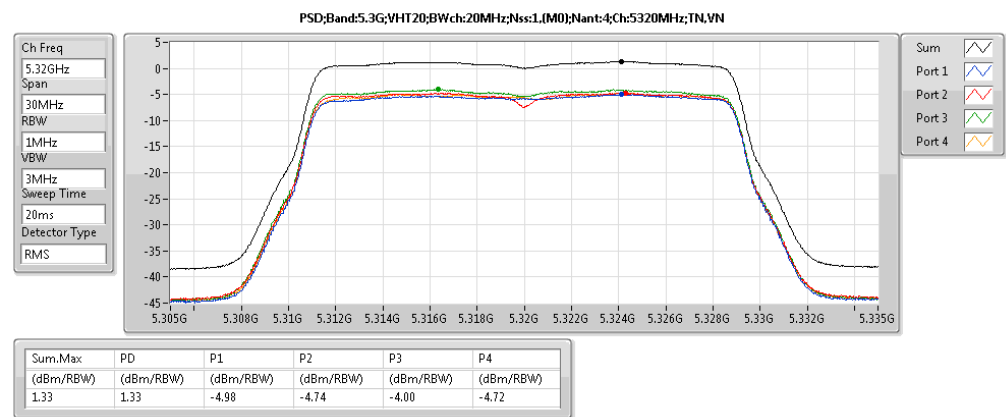
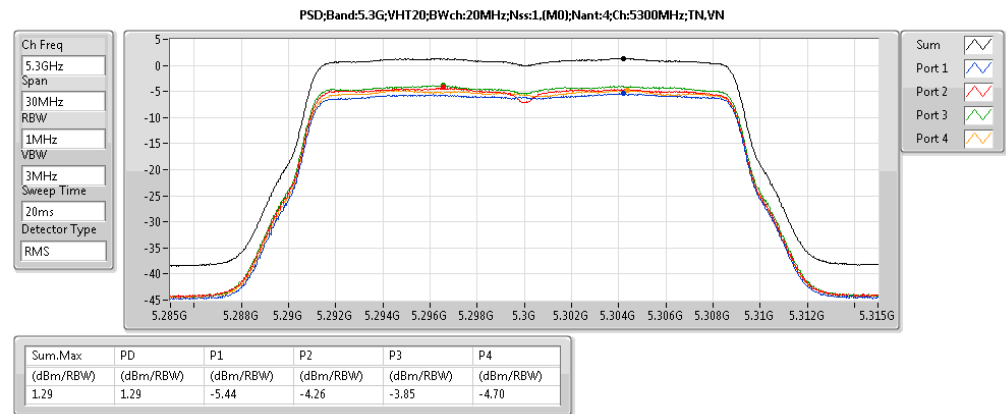
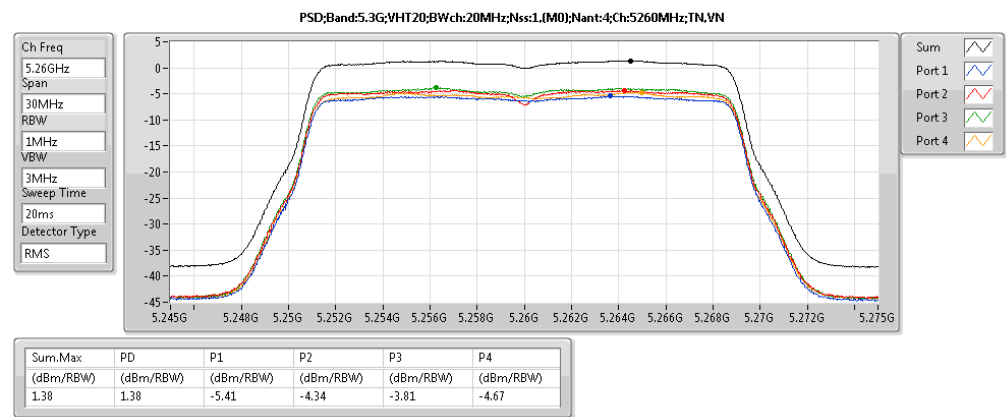
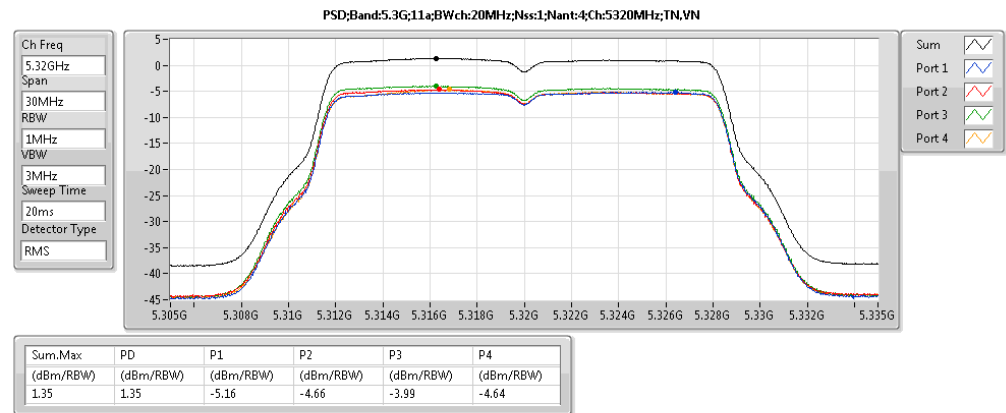
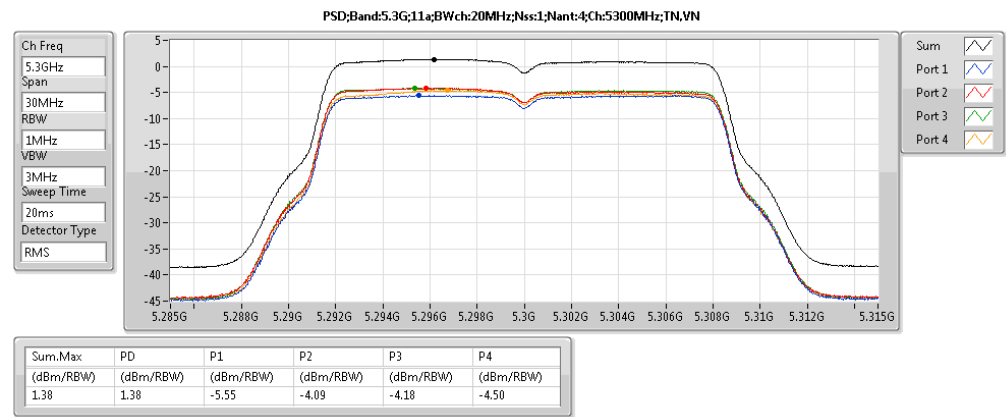
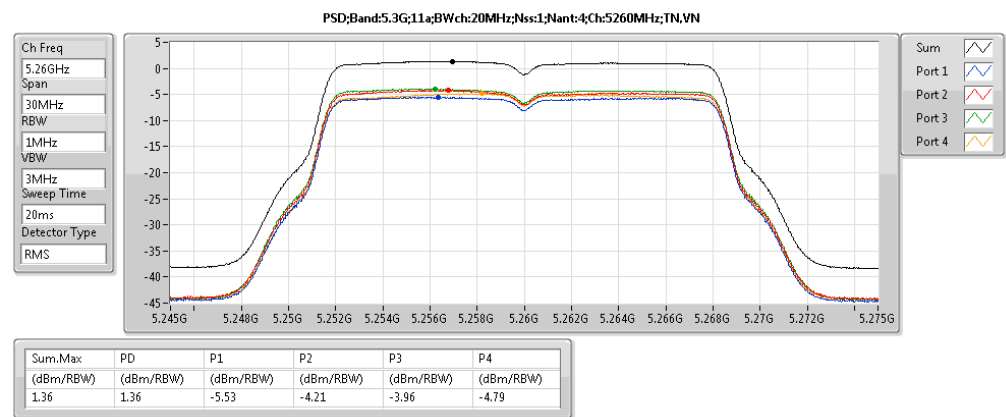
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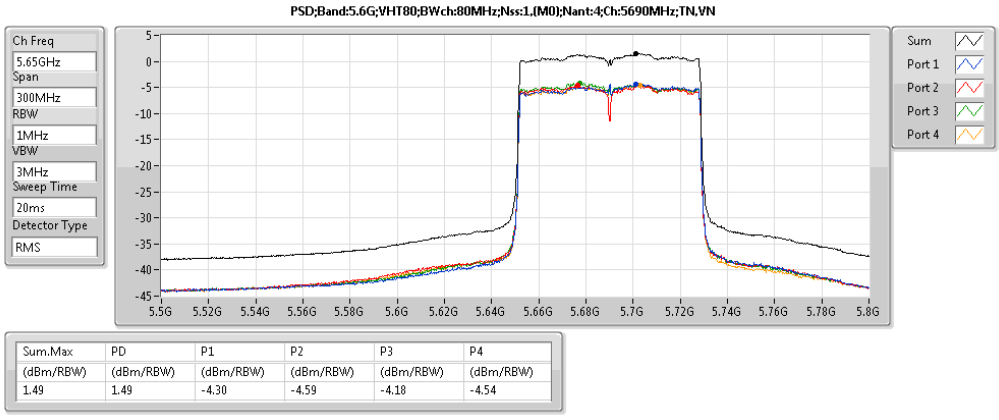
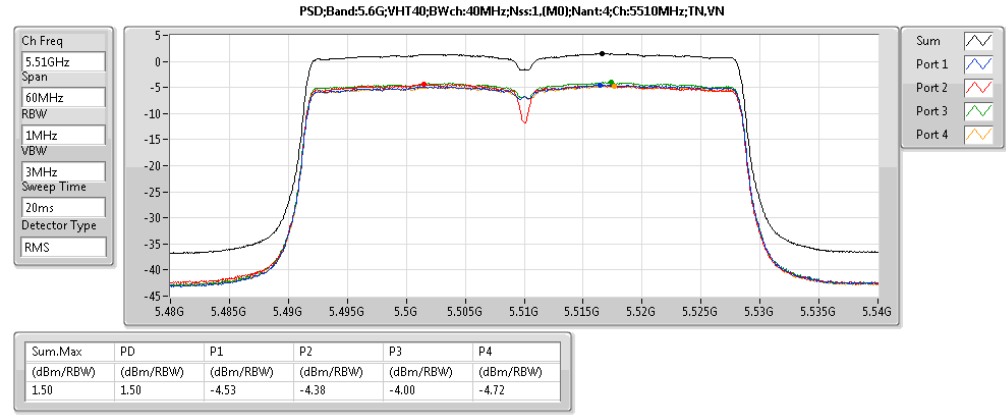
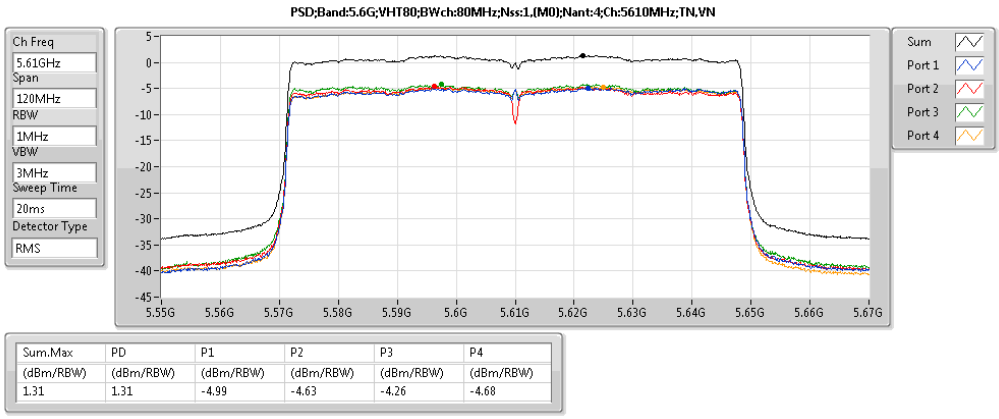
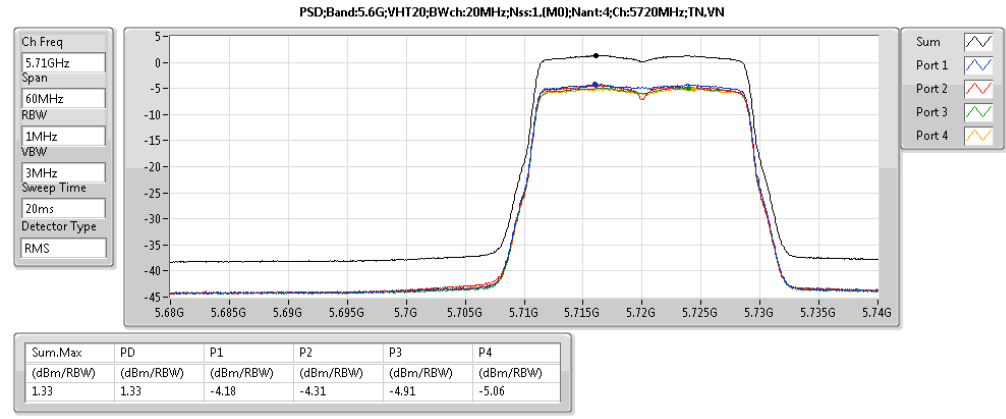
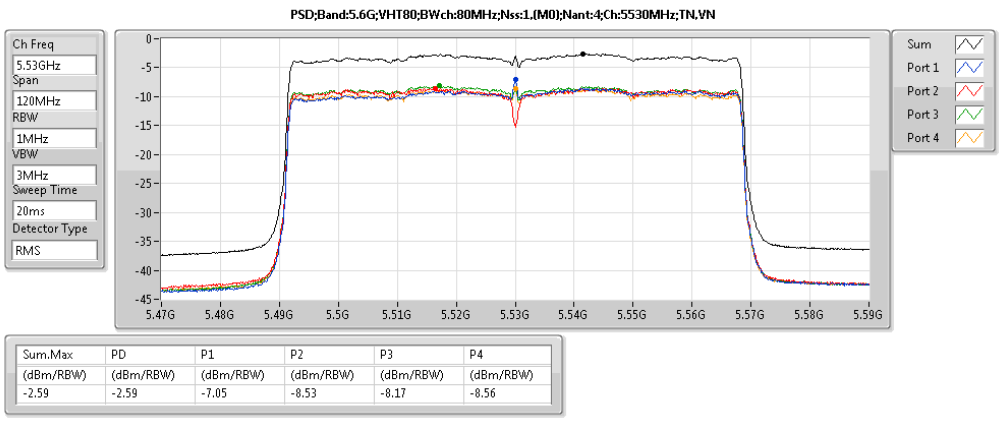
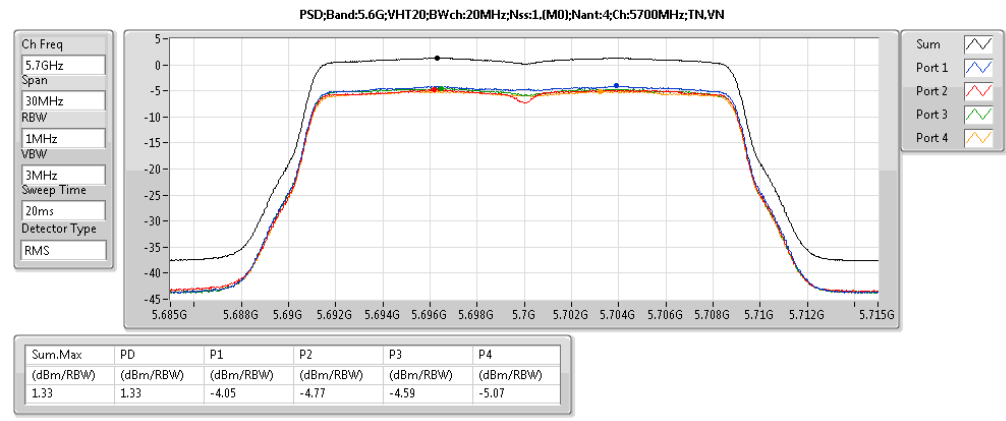
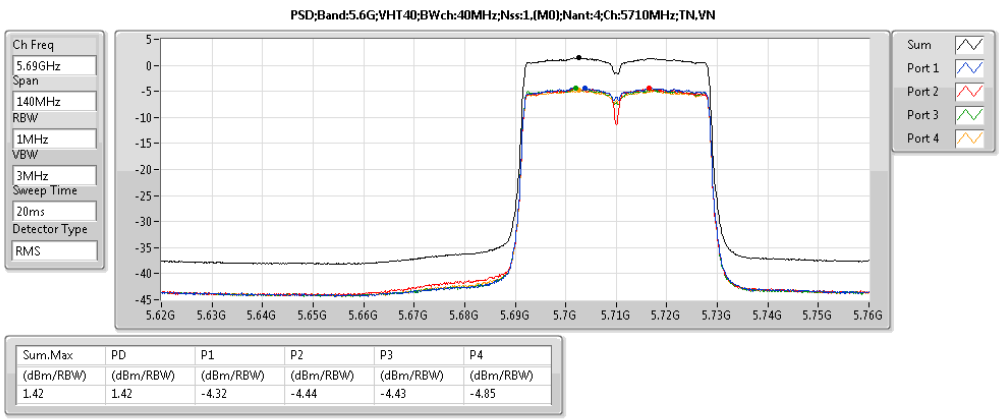
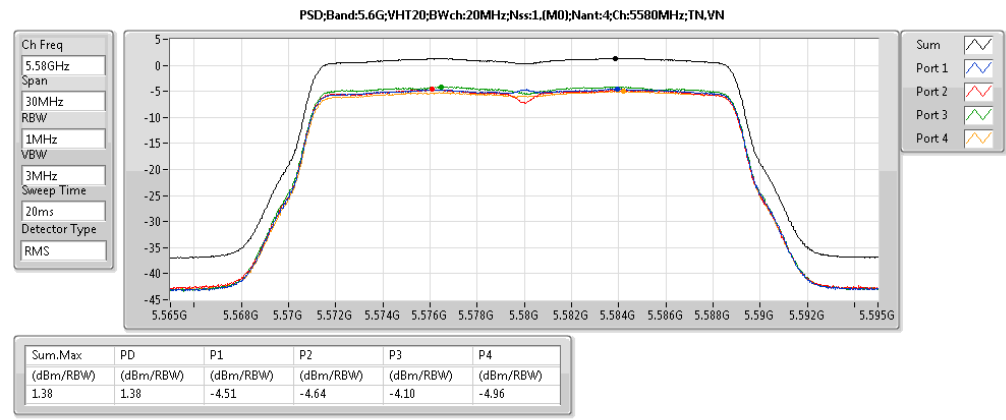
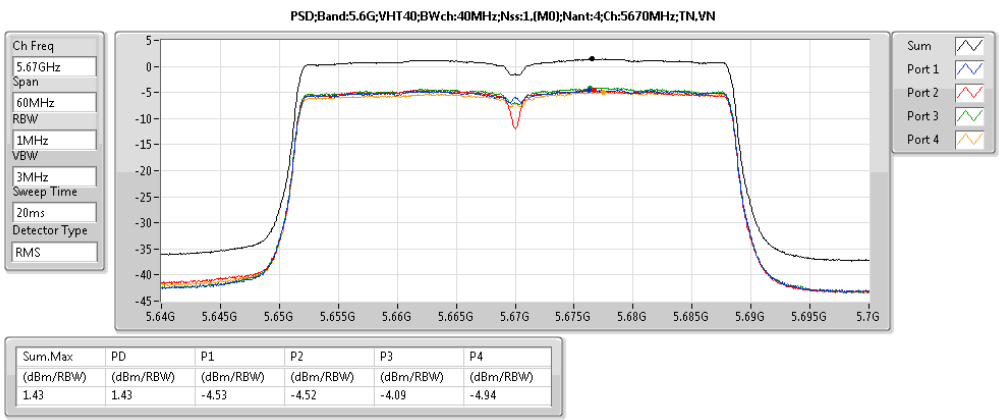
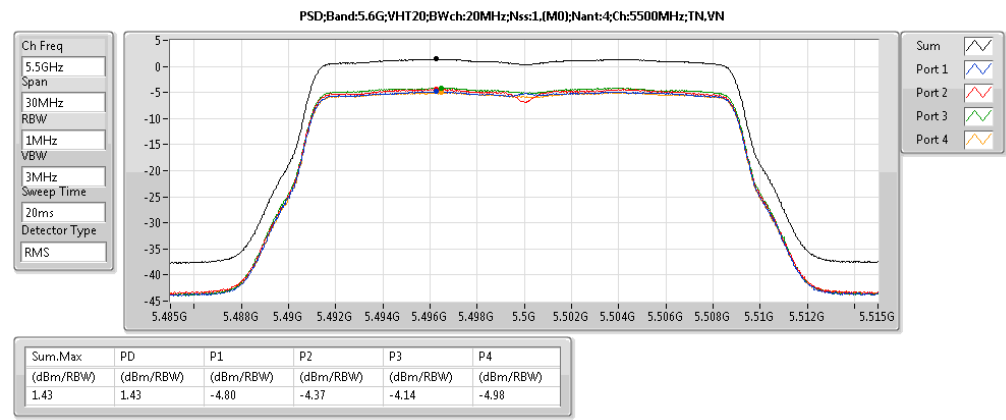
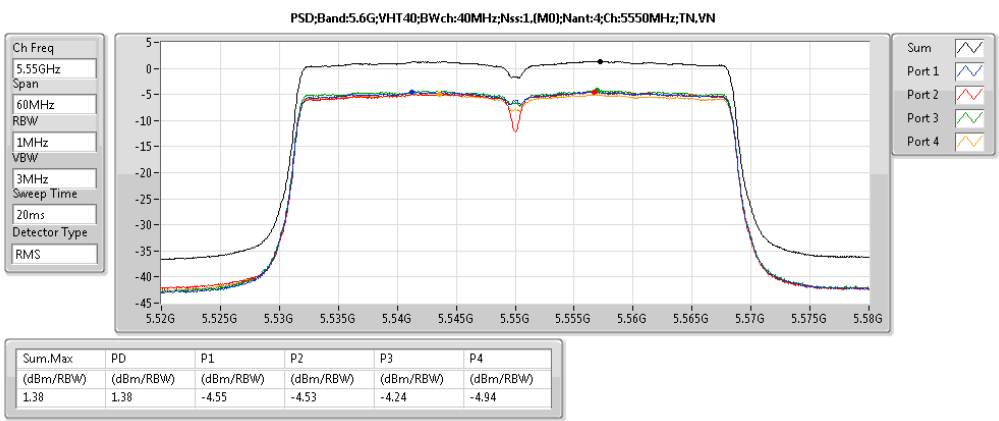
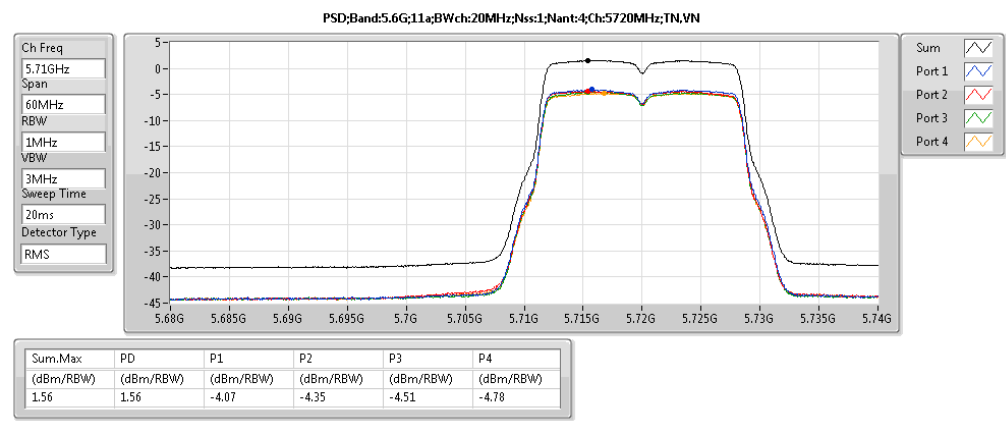
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5.3G;11a;Nss1;Ntx4	1.38	16.80
5.3G;VHT20;Nss1,(M0);Ntx4	1.38	16.80
5.3G;VHT40;Nss1,(M0);Ntx4	1.33	16.75
5.3G;VHT80;Nss1,(M0);Ntx4	-3.12	12.30
5.6G;11a;Nss1;Ntx4	1.56	16.98
5.6G;VHT20;Nss1,(M0);Ntx4	1.43	16.85
5.6G;VHT40;Nss1,(M0);Ntx4	1.50	16.92
5.6G;VHT80;Nss1,(M0);Ntx4	1.49	16.91
5.8G;11a;Nss1;Ntx4	-0.19	15.23
5.8G;VHT20;Nss1,(M0);Ntx4	-0.41	15.01
5.8G;VHT40;Nss1,(M0);Ntx4	-0.94	14.48
5.8G;VHT80;Nss1,(M0);Ntx4	-0.78	14.64
5.3G;VHT20,BF;Nss1,(M0);Ntx4	1.17	16.59
5.3G;VHT40,BF;Nss1,(M0);Ntx4	-1.77	13.65
5.3G;VHT80,BF;Nss1,(M0);Ntx4	-4.61	10.81
5.6G;VHT20,BF;Nss1,(M0);Ntx4	1.36	16.79
5.6G;VHT40,BF;Nss1,(M0);Ntx4	-1.59	13.83
5.6G;VHT80,BF;Nss1,(M0);Ntx4	-4.23	11.19
5.8G;VHT20,BF;Nss1,(M0);Ntx4	-0.41	15.01
5.8G;VHT40,BF;Nss1,(M0);Ntx4	-3.77	11.66
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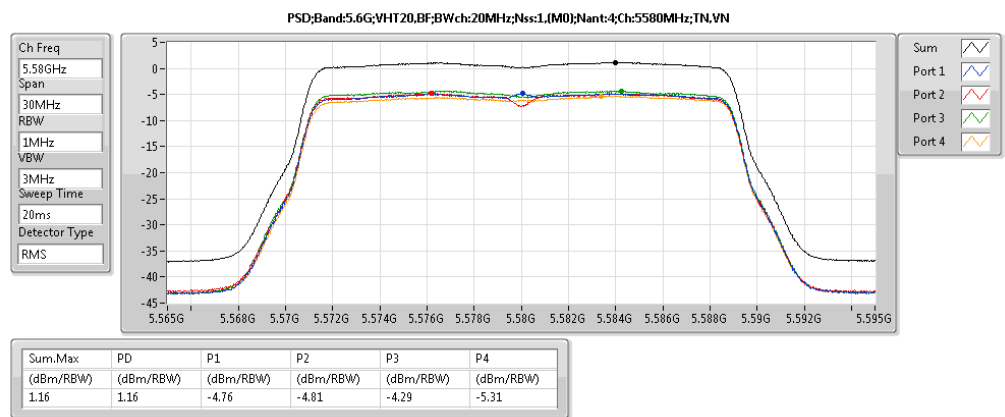
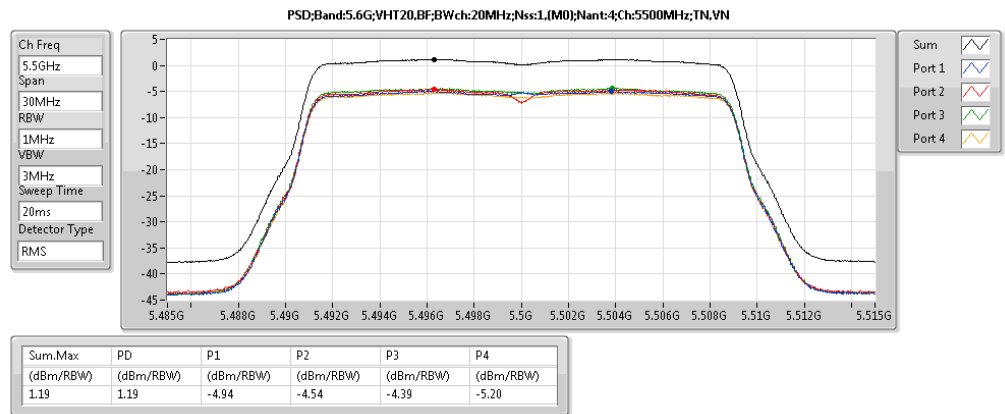
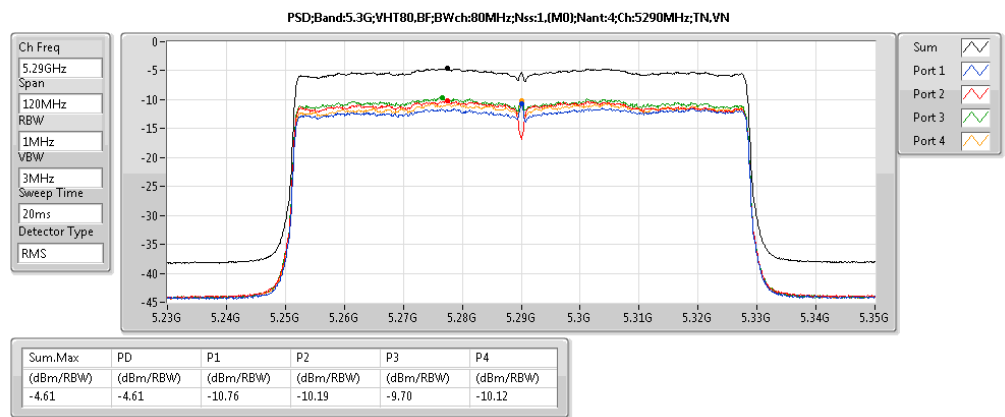
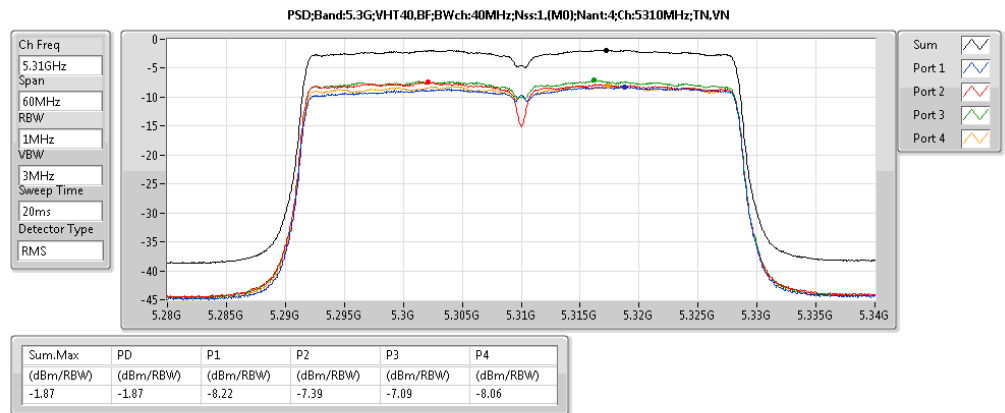
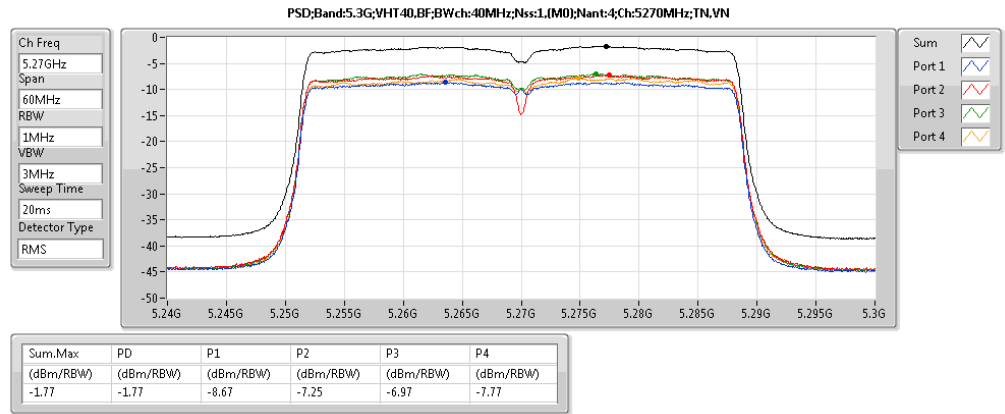
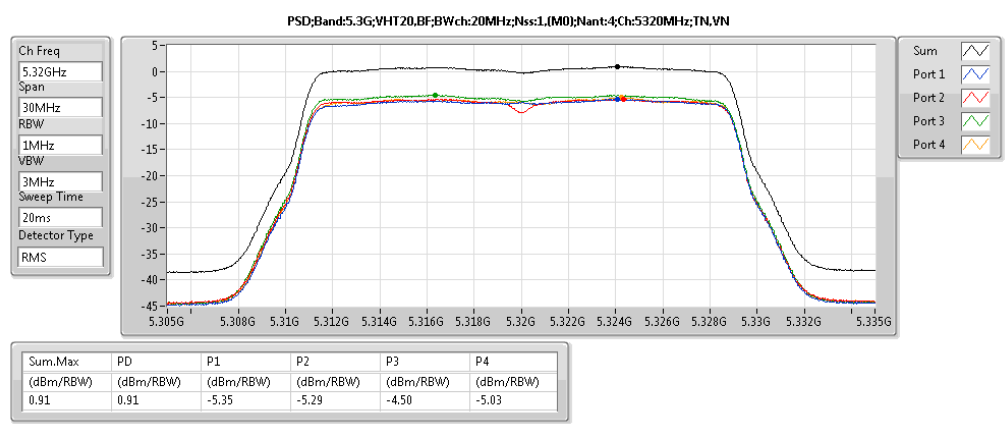
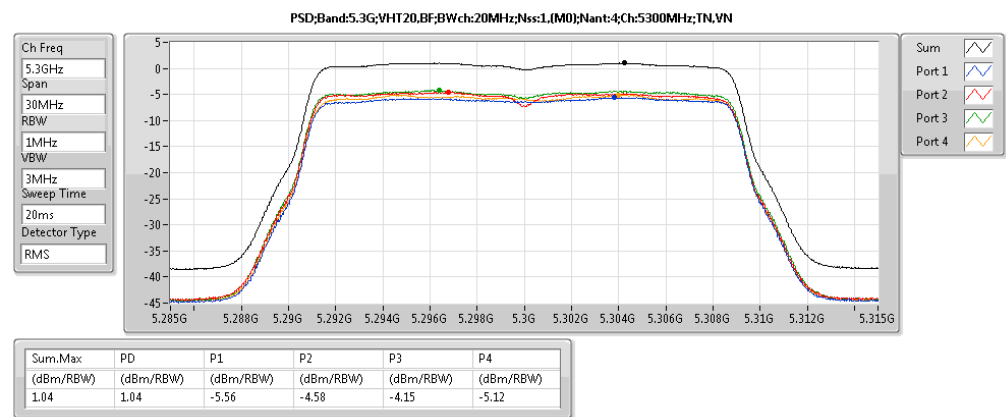
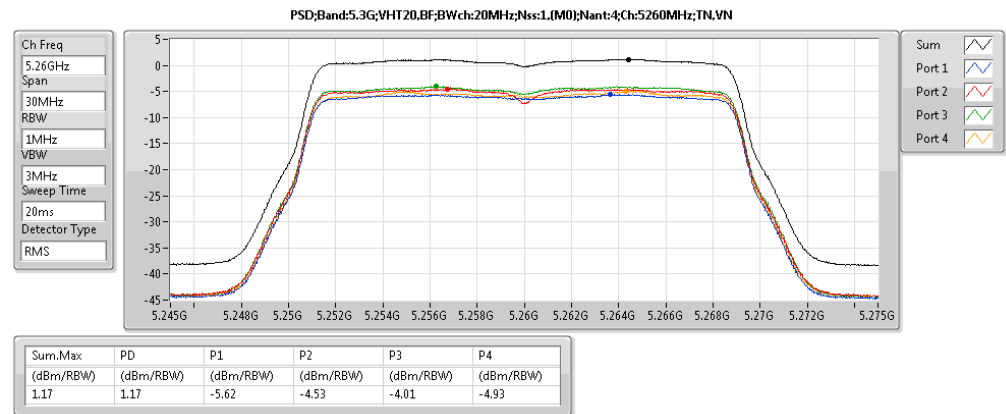
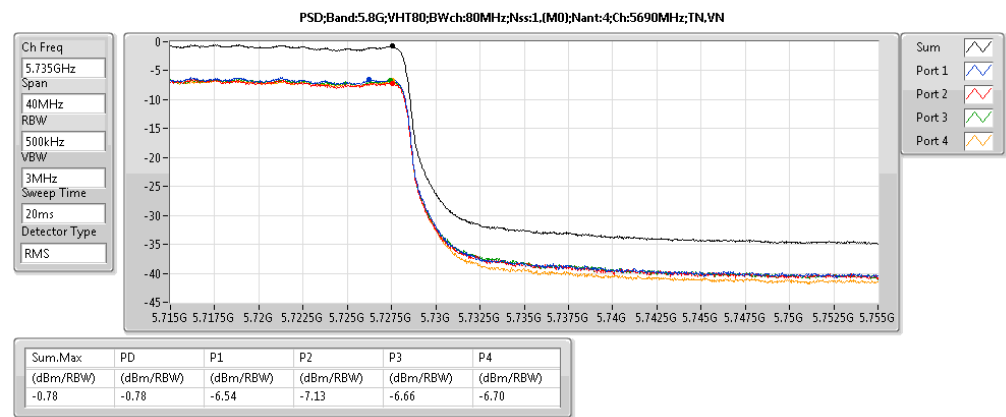
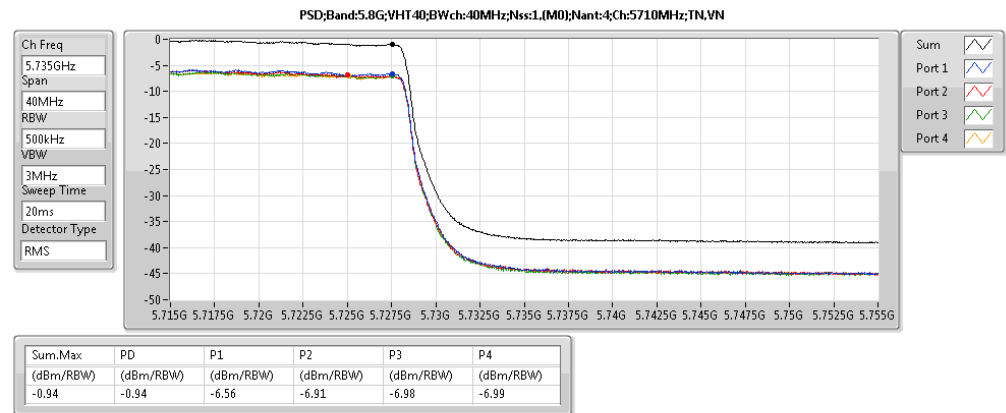
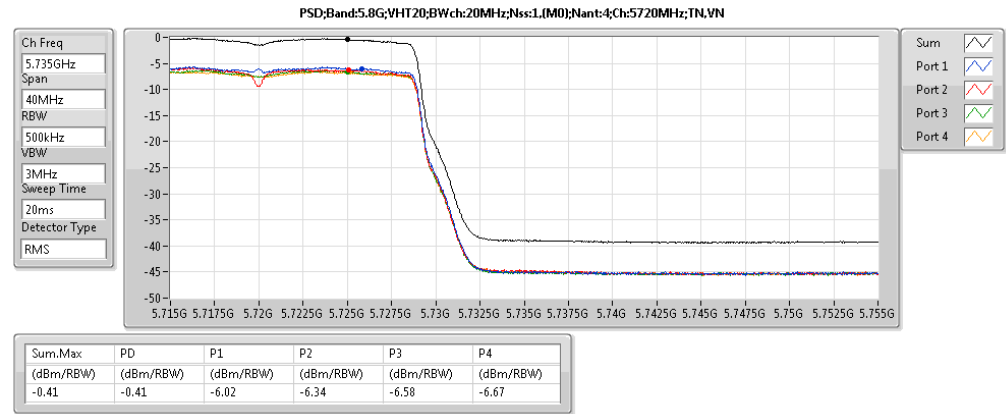
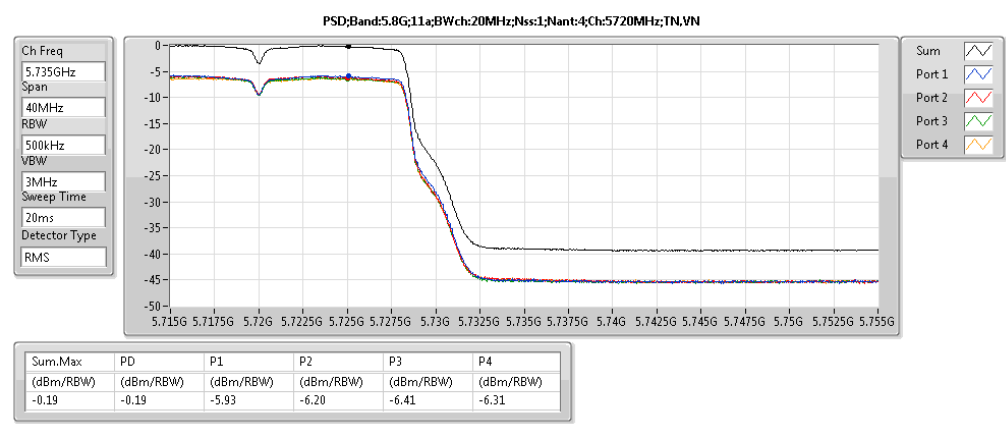


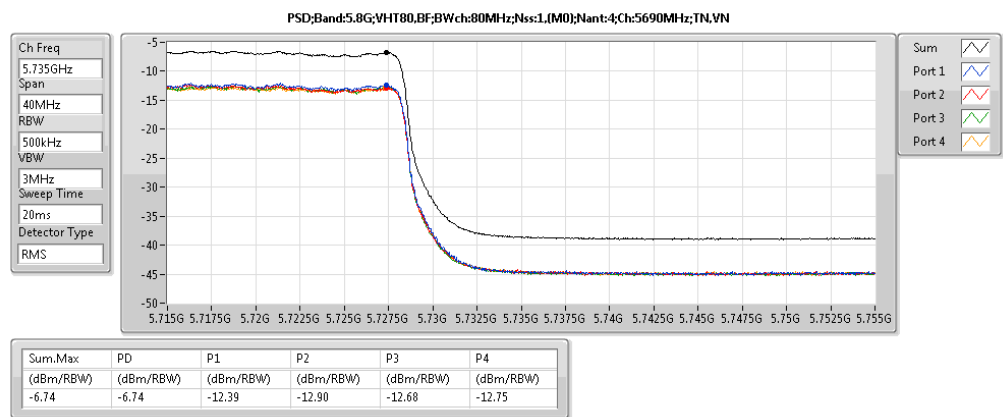
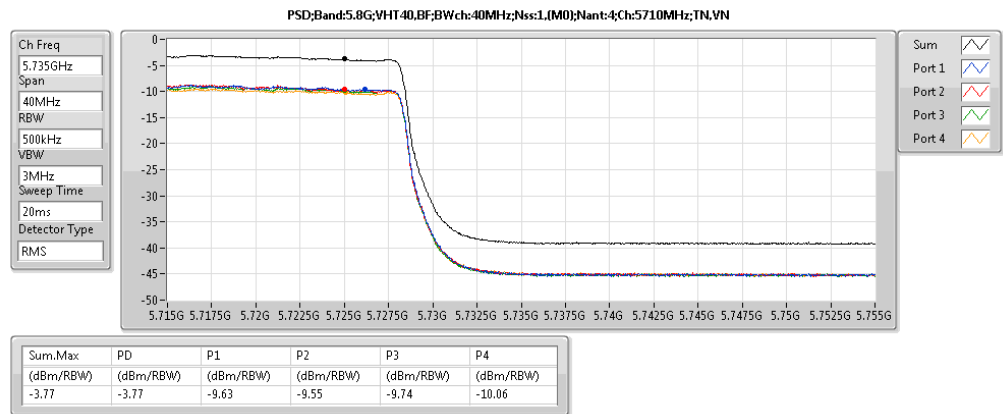
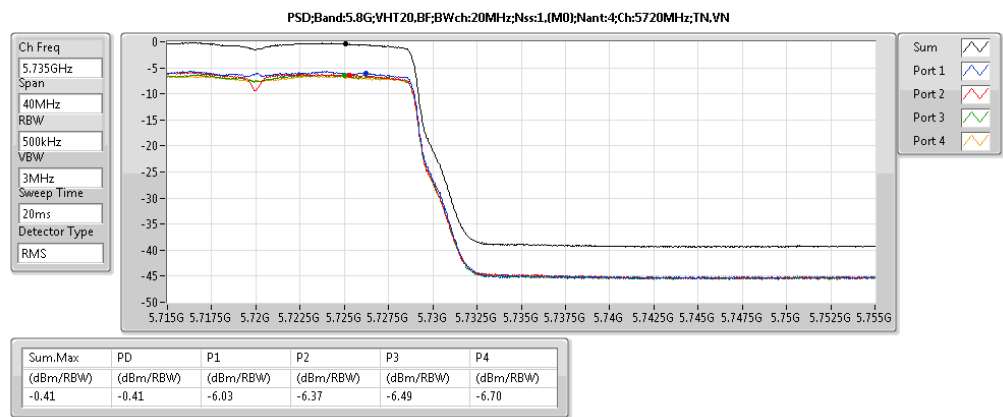
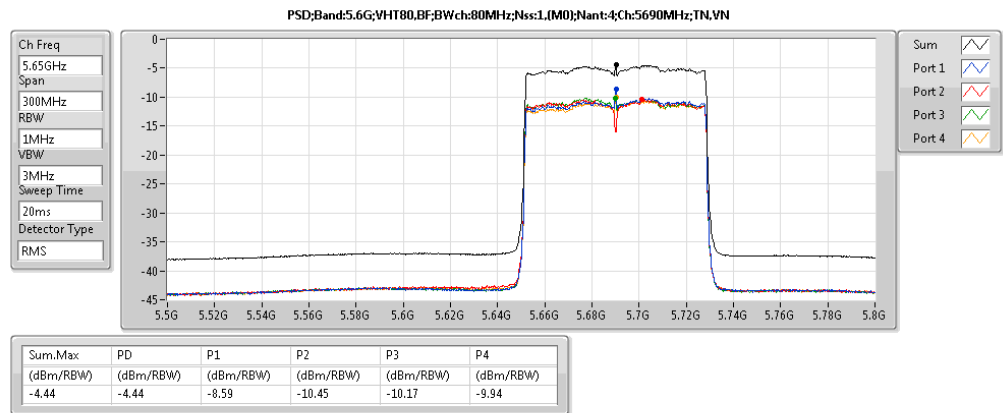
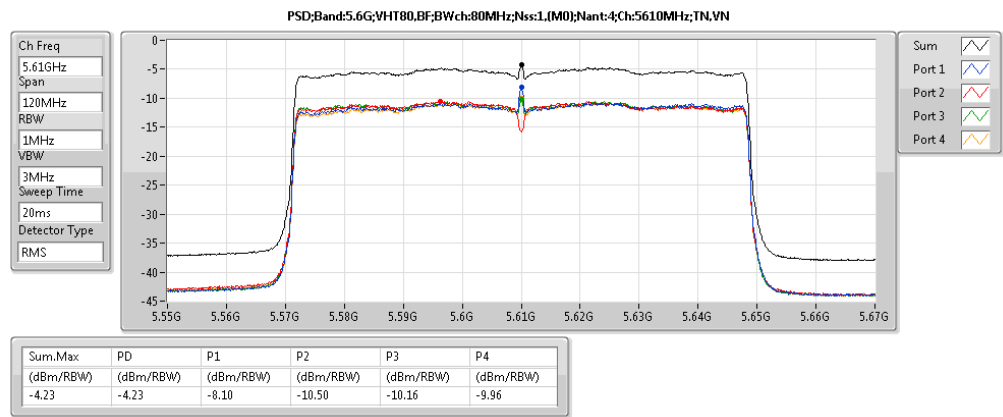
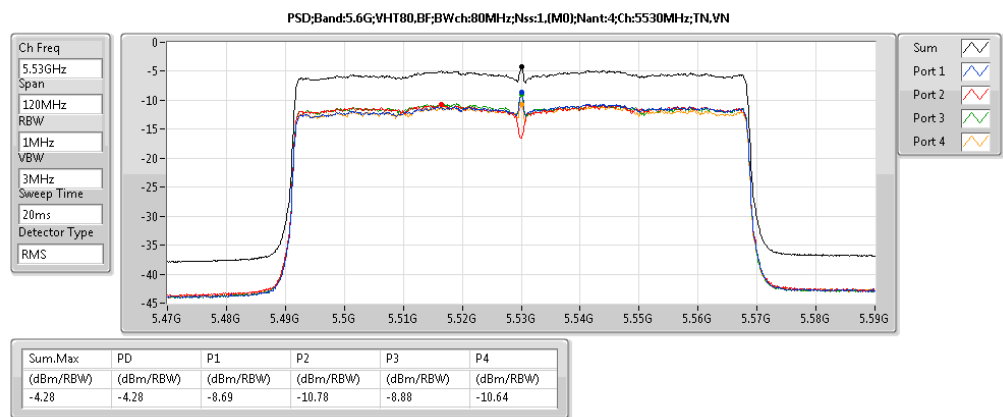
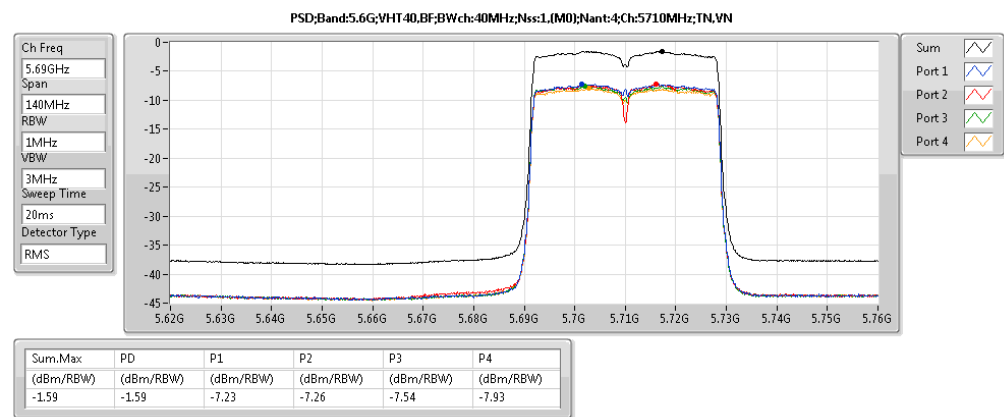
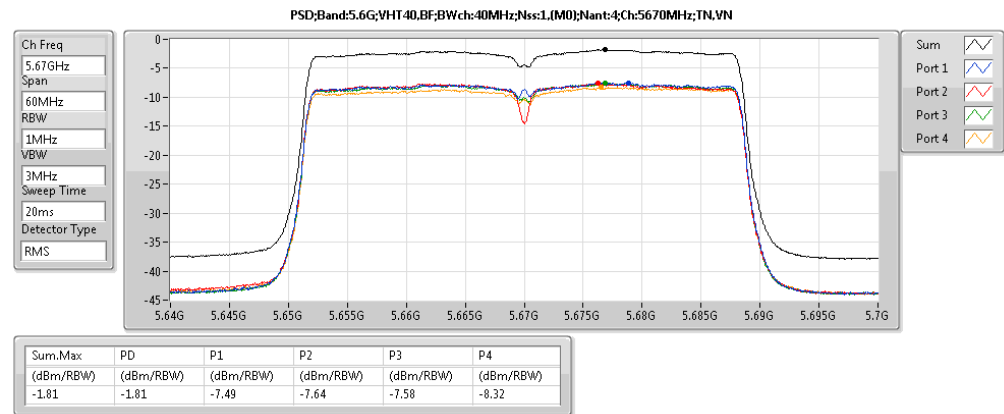
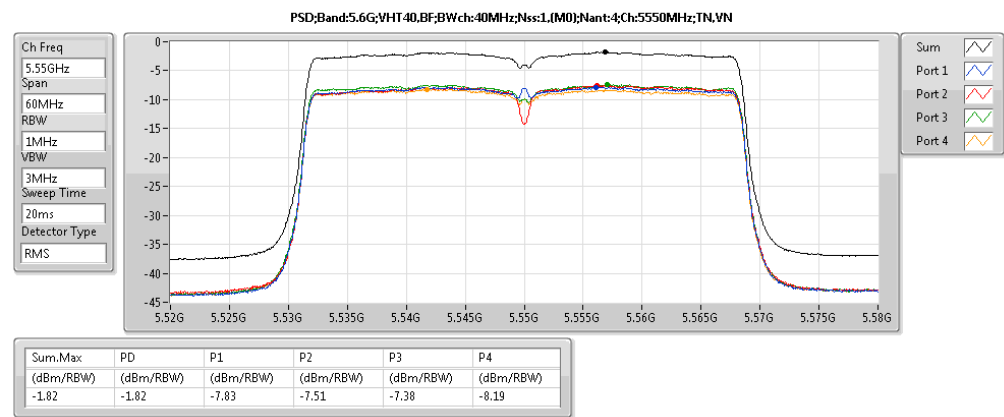
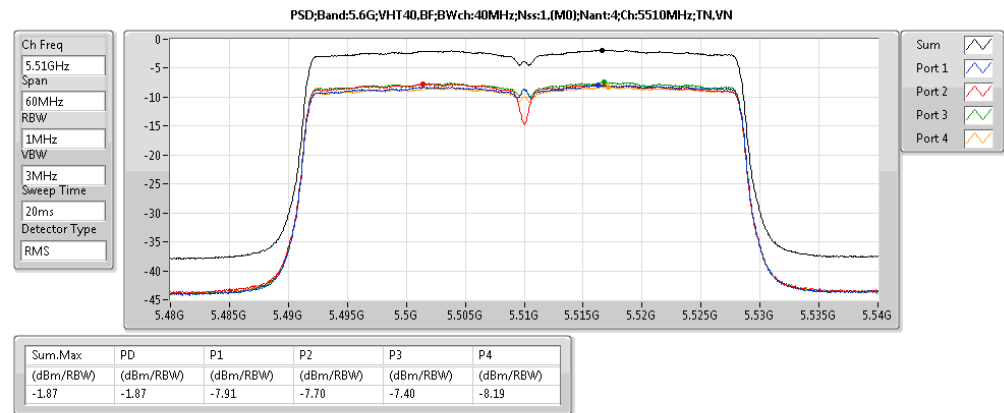
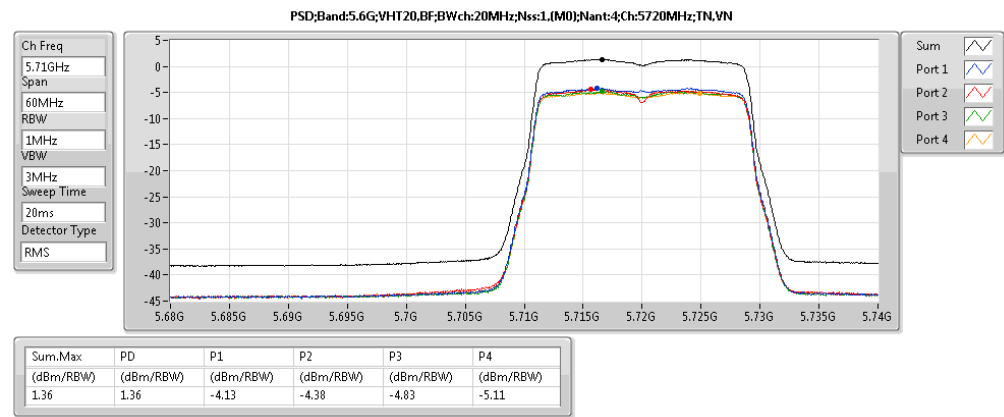
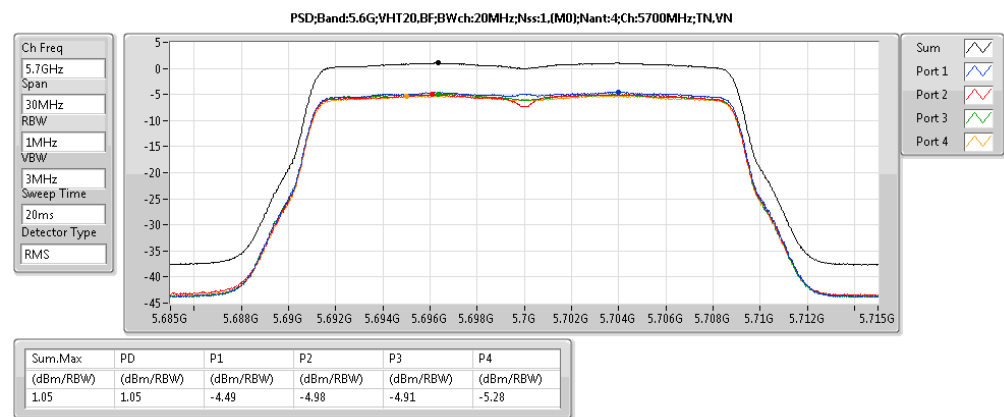
Result

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	1.36	1.58	16.78	Inf	-5.53	-4.21	-3.96	-4.79
5.3G;11a;Nss1;Ntx4;5300	Pass	1M	1M	0.00	15.42	1.38	1.58	16.80	Inf	-5.55	-4.09	-4.18	-4.50
5.3G;11a;Nss1;Ntx4;5320	Pass	1M	1M	0.00	15.42	1.35	1.58	16.77	Inf	-5.16	-4.66	-3.99	-4.64
5.3G;VHT20;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	15.42	1.38	1.58	16.80	Inf	-5.41	-4.34	-3.81	-4.67
5.3G;VHT20;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	15.42	1.29	1.58	16.72	Inf	-5.44	-4.26	-3.85	-4.70
5.3G;VHT20;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	15.42	1.33	1.58	16.75	Inf	-4.98	-4.74	-4.00	-4.72
5.3G;VHT40;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	15.42	1.28	1.58	16.70	Inf	-5.80	-4.25	-3.96	-4.82
5.3G;VHT40;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	15.42	1.33	1.58	16.75	Inf	-5.23	-4.35	-3.81	-4.71
5.3G;VHT80;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	15.42	-3.12	1.58	12.30	Inf	-9.03	-8.80	-8.20	-8.38
5.6G;11a;Nss1;Ntx4;5500	Pass	1M	1M	0.00	15.42	1.43	1.58	16.85	Inf	-4.81	-4.38	-4.14	-4.75
5.6G;11a;Nss1;Ntx4;5580	Pass	1M	1M	0.00	15.42	1.34	1.58	16.76	Inf	-4.70	-4.68	-3.98	-4.98
5.6G;11a;Nss1;Ntx4;5700	Pass	1M	1M	0.00	15.42	1.43	1.58	16.85	Inf	-4.22	-4.62	-4.31	-4.81
5.6G;11a;Nss1;Ntx4;5720	Pass	1M	1M	0.00	15.42	1.56	1.58	16.98	Inf	-4.07	-4.35	-4.51	-4.78
5.6G;VHT20;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	15.42	1.43	1.58	16.85	Inf	-4.80	-4.37	-4.14	-4.98
5.6G;VHT20;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	15.42	1.38	1.58	16.81	Inf	-4.51	-4.64	-4.10	-4.96
5.6G;VHT20;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	15.42	1.33	1.58	16.75	Inf	-4.05	-4.77	-4.59	-5.07
5.6G;VHT20;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	15.42	1.33	1.58	16.75	Inf	-4.18	-4.31	-4.91	-5.06
5.6G;VHT40;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	15.42	1.50	1.58	16.92	Inf	-4.53	-4.38	-4.00	-4.72
5.6G;VHT40;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	15.42	1.38	1.58	16.80	Inf	-4.55	-4.53	-4.24	-4.94
5.6G;VHT40;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	15.42	1.43	1.58	16.85	Inf	-4.53	-4.52	-4.09	-4.94
5.6G;VHT40;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	15.42	1.42	1.58	16.84	Inf	-4.32	-4.44	-4.43	-4.85
5.6G;VHT80;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	15.42	-2.59	1.58	12.83	Inf	-7.05	-8.53	-8.17	-8.56
5.6G;VHT80;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	15.42	1.31	1.58	16.73	Inf	-4.99	-4.63	-4.26	-4.68
5.6G;VHT80;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	15.42	1.49	1.58	16.91	Inf	-4.30	-4.59	-4.18	-4.54
5.8G;11a;Nss1;Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.19	20.58	15.23	26.58	-5.93	-6.20	-6.41	-6.31
5.8G;VHT20;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.41	20.58	15.01	26.58	-6.02	-6.34	-6.58	-6.67
5.8G;VHT40;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	15.42	-0.94	20.58	14.48	26.58	-6.56	-6.91	-6.98	-6.99
5.8G;VHT80;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	15.42	-0.78	20.58	14.64	26.58	-6.54	-7.13	-6.66	-6.70
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5260	Pass	1M	1M	0.00	15.42	1.17	1.58	16.59	Inf	-5.62	-4.53	-4.01	-4.93
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5300	Pass	1M	1M	0.00	15.42	1.04	1.58	16.46	Inf	-5.56	-4.58	-4.15	-5.12
5.3G;VHT20,BF;Nss1,(M0);Ntx4;5320	Pass	1M	1M	0.00	15.42	0.91	1.58	16.33	Inf	-5.35	-5.29	-4.50	-5.03
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5270	Pass	1M	1M	0.00	15.42	-1.77	1.58	13.65	Inf	-8.67	-7.25	-6.97	-7.77
5.3G;VHT40,BF;Nss1,(M0);Ntx4;5310	Pass	1M	1M	0.00	15.42	-1.87	1.58	13.55	Inf	-8.22	-7.39	-7.09	-8.06
5.3G;VHT80,BF;Nss1,(M0);Ntx4;5290	Pass	1M	1M	0.00	15.42	-4.61	1.58	10.81	Inf	-10.76	-10.19	-9.70	-10.12
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5500	Pass	1M	1M	0.00	15.42	1.19	1.58	16.61	Inf	-4.94	-4.54	-4.39	-5.20
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5580	Pass	1M	1M	0.00	15.42	1.16	1.58	16.58	Inf	-4.76	-4.81	-4.29	-5.31
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5700	Pass	1M	1M	0.00	15.42	1.05	1.58	16.47	Inf	-4.49	-4.98	-4.91	-5.28
5.6G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	1M	1M	0.00	15.42	1.36	1.58	16.79	Inf	-4.13	-4.38	-4.83	-5.11
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5510	Pass	1M	1M	0.00	15.42	-1.87	1.58	13.55	Inf	-7.91	-7.70	-7.40	-8.19
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5550	Pass	1M	1M	0.00	15.42	-1.82	1.58	13.60	Inf	-7.83	-7.51	-7.38	-8.19
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5670	Pass	1M	1M	0.00	15.42	-1.81	1.58	13.61	Inf	-7.49	-7.64	-7.58	-8.32
5.6G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	1M	1M	0.00	15.42	-1.59	1.58	13.83	Inf	-7.23	-7.26	-7.54	-7.93
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5530	Pass	1M	1M	0.00	15.42	-4.28	1.58	11.14	Inf	-8.69	-10.78	-8.88	-10.64
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5610	Pass	1M	1M	0.00	15.42	-4.23	1.58	11.19	Inf	-8.10	-10.50	-10.16	-9.96
5.6G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	1M	1M	0.00	15.42	-4.44	1.58	10.98	Inf	-8.59	-10.45	-10.17	-9.94
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5720	Pass	500k	500k	0.00	15.42	-0.41	20.58	15.01	26.58	-6.03	-6.37	-6.49	-6.70
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5710	Pass	500k	500k	0.00	15.42	-3.77	20.58	11.66	26.58	-9.63	-9.55	-9.74	-10.06
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5690	Pass	500k	500k	0.00	15.42	-6.74	20.58	8.68	26.58	-12.39	-12.90	-12.68	-12.75









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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.28	49.74	54.00	-4.26	31.54	14.13	37.97	33.90	100	360	Average	HORIZONTAL
2	15780.52	62.75	74.00	-11.25	44.55	14.13	37.97	33.90	100	360	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	15778.44	49.92	54.00	-4.08	31.72	14.13	37.97	33.90	129	306	Average	VERTICAL
2	15778.48	62.72	74.00	-11.28	44.52	14.13	37.97	33.90	129	306	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	10599.68	60.80	74.00	-13.20	43.01	11.58	39.88	33.67	171	263	Peak	HORIZONTAL
2	10600.73	48.03	54.00	-5.97	30.24	11.58	39.88	33.67	171	263	Average	HORIZONTAL
3	15900.21	62.38	74.00	-11.62	44.32	14.17	37.81	33.92	175	93	Peak	HORIZONTAL
4	15900.62	49.59	54.00	-4.41	31.53	14.17	37.81	33.92	175	93	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	10600.41	60.89	74.00	-13.11	43.10	11.58	39.88	33.67	207	296	Peak	VERTICAL
2	10600.46	47.95	54.00	-6.05	30.16	11.58	39.88	33.67	207	296	Average	VERTICAL
3	15899.46	62.69	74.00	-11.31	44.63	14.17	37.81	33.92	143	219	Peak	VERTICAL
4	15900.84	49.81	54.00	-4.19	31.75	14.17	37.81	33.92	143	219	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	10639.63	60.77	74.00	-13.23	42.97	11.59	39.90	33.69	130	244	Peak	HORIZONTAL
2	10640.86	47.64	54.00	-6.36	29.84	11.59	39.90	33.69	130	244	Average	HORIZONTAL
3	15960.67	49.65	54.00	-4.35	31.64	14.19	37.75	33.93	174	218	Average	HORIZONTAL
4	15960.72	62.25	74.00	-11.75	44.24	14.19	37.75	33.93	174	218	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	10639.13	47.80	54.00	-6.20	30.00	11.59	39.90	33.69	139	77	Average	VERTICAL
2	10640.74	60.43	74.00	-13.57	42.63	11.59	39.90	33.69	139	77	Peak	VERTICAL
3	15959.41	62.87	74.00	-11.13	44.86	14.19	37.75	33.93	200	135	Peak	VERTICAL
4	15960.18	49.79	54.00	-4.21	31.78	14.19	37.75	33.93	200	135	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	10999.19	60.45	74.00	-13.55	42.34	11.74	40.20	33.83	142	196	Peak	HORIZONTAL
2	11000.99	47.96	54.00	-6.04	29.85	11.74	40.20	33.83	142	196	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	10999.05	60.14	74.00	-13.86	42.03	11.74	40.20	33.83	174	326	Peak	VERTICAL
2	11000.60	47.17	54.00	-6.83	29.06	11.74	40.20	33.83	174	326	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	11160.56	61.63	74.00	-12.37	43.52	11.81	40.13	33.83	157	305	Peak	HORIZONTAL
2	11160.90	48.77	54.00	-5.23	30.66	11.81	40.13	33.83	157	305	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	11159.73	61.50	74.00	-12.50	43.39	11.81	40.13	33.83	202	354	Peak	VERTICAL
2	11160.72	48.83	54.00	-5.17	30.72	11.81	40.13	33.83	202	354	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	11399.14	47.90	54.00	-6.10	29.78	11.91	40.04	33.83	205	158	Average	HORIZONTAL
2	11400.68	60.83	74.00	-13.17	42.71	11.91	40.04	33.83	205	158	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	11399.20	47.79	54.00	-6.21	29.67	11.91	40.04	33.83	240	214	Average	VERTICAL
2	11399.46	61.45	74.00	-12.55	43.33	11.91	40.04	33.83	240	214	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	15779.43	61.86	74.00	-12.14	43.66	14.13	37.97	33.90	117	142	Peak	HORIZONTAL
2	15779.56	48.90	54.00	-5.10	30.70	14.13	37.97	33.90	117	142	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	15780.37	49.01	54.00	-4.99	30.81	14.13	37.97	33.90	135	179	Average	VERTICAL
2	15780.93	61.89	74.00	-12.11	43.69	14.13	37.97	33.90	135	179	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	10599.30	60.95	74.00	-13.05	43.16	11.58	39.88	33.67	153	210	Peak	HORIZONTAL
2	10600.00	47.87	54.00	-6.13	30.08	11.58	39.88	33.67	153	210	Average	HORIZONTAL
3	15899.08	62.40	74.00	-11.60	44.34	14.17	37.81	33.92	120	253	Peak	HORIZONTAL
4	15899.35	49.12	54.00	-4.88	31.06	14.17	37.81	33.92	120	253	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	10599.02	47.93	54.00	-6.07	30.14	11.58	39.88	33.67	192	190	Average	VERTICAL
2	10600.88	61.28	74.00	-12.72	43.49	11.58	39.88	33.67	192	190	Peak	VERTICAL
3	15899.70	49.17	54.00	-4.83	31.11	14.17	37.81	33.92	146	225	Average	VERTICAL
4	15900.52	62.10	74.00	-11.90	44.04	14.17	37.81	33.92	146	225	Peak	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	10639.00	48.16	54.00	-5.84	30.36	11.59	39.90	33.69	119	75	Average	HORIZONTAL
2	10640.01	60.76	74.00	-13.24	42.96	11.59	39.90	33.69	119	75	Peak	HORIZONTAL
3	15959.96	62.76	74.00	-11.24	44.75	14.19	37.75	33.93	189	125	Peak	HORIZONTAL
4	15960.30	49.53	54.00	-4.47	31.52	14.19	37.75	33.93	189	125	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	10639.33	47.97	54.00	-6.03	30.17	11.59	39.90	33.69	210	174	Average	VERTICAL
2	10639.46	61.05	74.00	-12.95	43.25	11.59	39.90	33.69	210	174	Peak	VERTICAL
3	15959.43	62.77	74.00	-11.23	44.76	14.19	37.75	33.93	237	157	Peak	VERTICAL
4	15959.49	49.55	54.00	-4.45	31.54	14.19	37.75	33.93	237	157	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	10999.10	47.90	54.00	-6.10	29.79	11.74	40.20	33.83	235	253	Average	HORIZONTAL
2	11000.30	60.06	74.00	-13.94	41.95	11.74	40.20	33.83	235	253	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	10999.01	47.09	54.00	-6.91	28.98	11.74	40.20	33.83	138	177	Average	VERTICAL
2	11000.53	60.01	74.00	-13.99	41.90	11.74	40.20	33.83	138	177	Peak	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.09	61.69	74.00	-12.31	43.58	11.81	40.13	33.83	200	125	Peak	HORIZONTAL
2	11159.30	48.43	54.00	-5.57	30.32	11.81	40.13	33.83	200	125	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	11159.24	49.17	54.00	-4.83	31.06	11.81	40.13	33.83	167	209	Average	VERTICAL
2	11160.14	61.58	74.00	-12.42	43.47	11.81	40.13	33.83	167	209	Peak	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	11399.64	60.39	74.00	-13.61	42.27	11.91	40.04	33.83	121	186	Peak	HORIZONTAL
2	11400.60	47.12	54.00	-6.88	29.00	11.91	40.04	33.83	121	186	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	11399.23	60.89	74.00	-13.11	42.77	11.91	40.04	33.83	147	175	Peak	VERTICAL
2	11399.52	47.45	54.00	-6.55	29.33	11.91	40.04	33.83	147	175	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	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	15809.48	62.00	74.00	-12.00	43.84	14.14	37.92	33.90	130	202	Peak	HORIZONTAL
2	15810.21	48.82	54.00	-5.18	30.66	14.14	37.92	33.90	130	202	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	15809.85	61.86	74.00	-12.14	43.70	14.14	37.92	33.90	178	274	Peak	VERTICAL
2	15810.40	48.76	54.00	-5.24	30.60	14.14	37.92	33.90	178	274	Average	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.43	60.93	74.00	-13.07	43.14	11.58	39.88	33.67	238	175	Peak	HORIZONTAL
2	10620.53	47.40	54.00	-6.60	29.61	11.58	39.88	33.67	238	175	Average	HORIZONTAL
3	15929.85	62.67	74.00	-11.33	44.67	14.18	37.75	33.93	158	91	Peak	HORIZONTAL
4	15930.81	49.29	54.00	-4.71	31.29	14.18	37.75	33.93	158	91	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	10619.87	47.60	54.00	-6.40	29.81	11.58	39.88	33.67	195	246	Average	VERTICAL
2	10619.93	60.96	74.00	-13.04	43.17	11.58	39.88	33.67	195	246	Peak	VERTICAL
3	15930.30	62.41	74.00	-11.59	44.41	14.18	37.75	33.93	212	138	Peak	VERTICAL
4	15930.66	49.38	54.00	-4.62	31.38	14.18	37.75	33.93	212	138	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	11019.72	60.10	74.00	-13.90	41.98	11.75	40.20	33.83	243	157	Peak	HORIZONTAL
2	11020.79	46.78	54.00	-7.22	28.66	11.75	40.20	33.83	243	157	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	11020.11	59.91	74.00	-14.09	41.79	11.75	40.20	33.83	281	201	Peak	VERTICAL
2	11020.19	47.15	54.00	-6.85	29.03	11.75	40.20	33.83	281	201	Average	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	11100.13	47.62	54.00	-6.38	29.50	11.79	40.16	33.83	195	170	Average	HORIZONTAL
2	11100.53	60.39	74.00	-13.61	42.27	11.79	40.16	33.83	195	170	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	11099.00	47.80	54.00	-6.20	29.68	11.79	40.16	33.83	255	100	Average	VERTICAL
2	11100.22	61.19	74.00	-12.81	43.07	11.79	40.16	33.83	255	100	Peak	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	11339.21	47.21	54.00	-6.79	29.08	11.89	40.07	33.83	197	200	Average	HORIZONTAL
2	11340.41	60.43	74.00	-13.57	42.30	11.89	40.07	33.83	197	200	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	11340.10	47.32	54.00	-6.68	29.19	11.89	40.07	33.83	155	233	Average	VERTICAL
2	11340.94	60.46	74.00	-13.54	42.33	11.89	40.07	33.83	155	233	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.33	49.52	54.00	-4.48	31.41	14.16	37.86	33.91	115	165	Average	HORIZONTAL
2	15870.02	62.43	74.00	-11.57	44.32	14.16	37.86	33.91	115	165	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	15869.23	49.55	54.00	-4.45	31.44	14.16	37.86	33.91	139	205	Average	VERTICAL
2	15870.73	62.82	74.00	-11.18	44.71	14.16	37.86	33.91	139	205	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	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.33	60.19	74.00	-13.81	42.08	11.77	40.17	33.83	154	140	Peak	HORIZONTAL
2	11060.84	47.60	54.00	-6.40	29.49	11.77	40.17	33.83	154	140	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	11059.52	60.96	74.00	-13.04	42.83	11.77	40.19	33.83	188	114	Peak	VERTICAL
2	11060.47	47.62	54.00	-6.38	29.51	11.77	40.17	33.83	188	114	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	11219.99	47.91	54.00	-6.09	29.78	11.84	40.12	33.83	187	127	Average	HORIZONTAL
2	11220.00	61.49	74.00	-12.51	43.36	11.84	40.12	33.83	187	127	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	11219.99	62.07	74.00	-11.93	43.94	11.84	40.12	33.83	209	184	Peak	VERTICAL
2	11220.00	48.20	54.00	-5.80	30.07	11.84	40.12	33.83	209	184	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	11439.55	46.63	54.00	-7.37	28.50	11.93	40.03	33.83	182	71	Average	HORIZONTAL
2	11440.36	60.04	74.00	-13.96	41.91	11.93	40.03	33.83	182	71	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	11439.14	47.54	54.00	-6.46	29.41	11.93	40.03	33.83	135	96	Average	VERTICAL
2	11439.25	60.92	74.00	-13.08	42.79	11.93	40.03	33.83	135	96	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	11439.67	47.15	54.00	-6.85	29.02	11.93	40.03	33.83	208	206	Average	HORIZONTAL
2	11440.36	60.43	74.00	-13.57	42.30	11.93	40.03	33.83	208	206	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	11439.54	60.77	74.00	-13.23	42.64	11.93	40.03	33.83	144	250	Peak	VERTICAL
2	11440.05	47.85	54.00	-6.15	29.72	11.93	40.03	33.83	144	250	Average	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	11339.24	61.40	74.00	-12.60	43.27	11.89	40.07	33.83	204	147	Peak	HORIZONTAL
2	11340.27	47.15	54.00	-6.85	29.02	11.89	40.07	33.83	204	147	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	11339.08	47.27	54.00	-6.73	29.14	11.89	40.07	33.83	246	177	Average	VERTICAL
2	11339.67	60.69	74.00	-13.31	42.56	11.89	40.07	33.83	246	177	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	11380.00	47.22	54.00	-6.78	29.09	11.91	40.05	33.83	190	155	Average	HORIZONTAL
2	11380.01	60.42	74.00	-13.58	42.29	11.91	40.05	33.83	190	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	11380.00	60.36	74.00	-13.64	42.23	11.91	40.05	33.83	159	198	Peak	VERTICAL
2	11380.00	47.19	54.00	-6.81	29.06	11.91	40.05	33.83	159	198	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	15778.58	47.69	54.00	-6.31	29.49	14.13	37.97	33.90	150	53	Average	HORIZONTAL
2	15780.46	61.64	74.00	-12.36	43.44	14.13	37.97	33.90	150	53	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	15777.15	61.29	74.00	-12.71	43.09	14.13	37.97	33.90	150	324	Peak	VERTICAL
2	15777.44	47.70	54.00	-6.30	29.50	14.13	37.97	33.90	150	324	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	10591.08	47.67	54.00	-6.33	29.88	11.57	39.88	33.66	219	357	Average	HORIZONTAL
2	10613.76	60.69	74.00	-13.31	42.90	11.58	39.88	33.67	219	357	Peak	HORIZONTAL
3	15900.00	60.85	74.00	-13.15	42.79	14.17	37.81	33.92	150	312	Peak	HORIZONTAL
4	15918.08	47.66	54.00	-6.34	29.59	14.18	37.81	33.92	150	312	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	10601.40	48.45	54.00	-5.55	30.66	11.58	39.88	33.67	289	21	Average	VERTICAL
2	10603.32	61.78	74.00	-12.22	43.99	11.58	39.88	33.67	289	21	Peak	VERTICAL
3	15915.28	61.02	74.00	-12.98	42.96	14.17	37.81	33.92	150	83	Peak	VERTICAL
4	15918.36	47.56	54.00	-6.44	29.49	14.18	37.81	33.92	150	83	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	10635.44	47.50	54.00	-6.50	29.70	11.59	39.90	33.69	218	355	Average	HORIZONTAL
2	10648.20	61.21	74.00	-12.79	43.40	11.60	39.90	33.69	218	355	Peak	HORIZONTAL
3	15977.64	46.81	54.00	-7.19	28.85	14.20	37.70	33.94	150	151	Average	HORIZONTAL
4	15978.16	59.84	74.00	-14.16	41.88	14.20	37.70	33.94	150	151	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	10634.68	60.58	74.00	-13.42	42.78	11.59	39.90	33.69	220	0	Peak	VERTICAL
2	10638.24	46.99	54.00	-7.01	29.19	11.59	39.90	33.69	220	0	Average	VERTICAL
3	15969.08	46.77	54.00	-7.23	28.80	14.20	37.70	33.93	150	43	Average	VERTICAL
4	15978.64	60.29	74.00	-13.71	42.33	14.20	37.70	33.94	150	43	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	10992.64	60.67	74.00	-13.33	42.59	11.74	40.17	33.83	211	350	Peak	HORIZONTAL
2	10994.48	47.28	54.00	-6.72	29.20	11.74	40.17	33.83	211	350	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	10992.84	47.18	54.00	-6.82	29.10	11.74	40.17	33.83	217	4	Average	VERTICAL
2	11014.88	60.39	74.00	-13.61	42.27	11.75	40.20	33.83	217	4	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	11155.28	47.90	54.00	-6.10	29.77	11.81	40.15	33.83	212	348	Average	HORIZONTAL
2	11171.12	61.19	74.00	-12.81	43.08	11.81	40.13	33.83	212	348	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	11157.52	61.34	74.00	-12.66	43.23	11.81	40.13	33.83	212	0	Peak	VERTICAL
2	11160.88	48.03	54.00	-5.97	29.92	11.81	40.13	33.83	212	0	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	11389.04	46.90	54.00	-7.10	28.78	11.91	40.04	33.83	212	354	Average	HORIZONTAL
2	11399.24	60.71	74.00	-13.29	42.59	11.91	40.04	33.83	212	354	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	11398.60	47.15	54.00	-6.85	29.03	11.91	40.04	33.83	221	7	Average	VERTICAL
2	11413.00	60.36	74.00	-13.64	42.23	11.92	40.04	33.83	221	7	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	15780.07	62.39	74.00	-11.61	44.19	14.13	37.97	33.90	223	233	Peak	HORIZONTAL
2	15780.33	49.92	54.00	-4.08	31.72	14.13	37.97	33.90	223	233	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	15778.44	62.59	74.00	-11.41	44.39	14.13	37.97	33.90	220	283	Peak	VERTICAL
2	15781.56	49.72	54.00	-4.28	31.52	14.13	37.97	33.90	220	283	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.25	61.67	74.00	-12.33	43.88	11.58	39.88	33.67	206	236	Peak	HORIZONTAL
2	10600.54	48.38	54.00	-5.62	30.59	11.58	39.88	33.67	206	236	Average	HORIZONTAL
3	15899.44	50.31	54.00	-3.69	32.25	14.17	37.81	33.92	125	158	Average	HORIZONTAL
4	15900.48	63.64	74.00	-10.36	45.58	14.17	37.81	33.92	125	158	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	10600.23	49.58	54.00	-4.42	31.79	11.58	39.88	33.67	128	122	Average	VERTICAL
2	10600.56	63.12	74.00	-10.88	45.33	11.58	39.88	33.67	128	122	Peak	VERTICAL
3	15899.96	50.24	54.00	-3.76	32.18	14.17	37.81	33.92	237	267	Average	VERTICAL
4	15900.92	62.99	74.00	-11.01	44.93	14.17	37.81	33.92	237	267	Peak	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	10639.86	61.28	74.00	-12.72	43.48	11.59	39.90	33.69	216	156	Peak	HORIZONTAL
2	10640.46	48.48	54.00	-5.52	30.68	11.59	39.90	33.69	216	156	Average	HORIZONTAL
3	15959.40	64.06	74.00	-9.94	46.05	14.19	37.75	33.93	164	112	Peak	HORIZONTAL
4	15959.58	50.59	54.00	-3.41	32.58	14.19	37.75	33.93	164	112	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	10639.12	47.81	54.00	-6.19	30.01	11.59	39.90	33.69	172	83	Average	VERTICAL
2	10640.52	60.86	74.00	-13.14	43.06	11.59	39.90	33.69	172	83	Peak	VERTICAL
3	15953.04	63.62	74.00	-10.38	45.61	14.19	37.75	33.93	117	154	Peak	VERTICAL
4	15967.96	50.75	54.00	-3.25	32.79	14.19	37.70	33.93	117	154	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	10999.04	60.16	74.00	-13.84	42.05	11.74	40.20	33.83	164	39	Peak	HORIZONTAL
2	11000.13	47.58	54.00	-6.42	29.47	11.74	40.20	33.83	164	39	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	11000.17	47.95	54.00	-6.05	29.84	11.74	40.20	33.83	297	175	Average	VERTICAL
2	11000.96	60.75	74.00	-13.25	42.64	11.74	40.20	33.83	297	175	Peak	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.46	48.26	54.00	-5.74	30.15	11.81	40.13	33.83	166	70	Average	HORIZONTAL
2	11160.23	61.15	74.00	-12.85	43.04	11.81	40.13	33.83	166	70	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	11160.08	61.17	74.00	-12.83	43.06	11.81	40.13	33.83	219	164	Peak	VERTICAL
2	11160.24	48.09	54.00	-5.91	29.98	11.81	40.13	33.83	219	164	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	11399.76	61.51	74.00	-12.49	43.39	11.91	40.04	33.83	156	207	Peak	HORIZONTAL
2	11400.78	48.61	54.00	-5.39	30.49	11.91	40.04	33.83	156	207	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	11399.00	61.74	74.00	-12.26	43.62	11.91	40.04	33.83	111	166	Peak	VERTICAL
2	11399.81	48.44	54.00	-5.56	30.32	11.91	40.04	33.83	111	166	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	15809.01	49.28	54.00	-4.72	31.12	14.14	37.92	33.90	184	73	Average	HORIZONTAL
2	15810.41	62.66	74.00	-11.34	44.50	14.14	37.92	33.90	184	73	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	15810.03	49.44	54.00	-4.56	31.28	14.14	37.92	33.90	123	161	Average	VERTICAL
2	15810.51	63.04	74.00	-10.96	44.88	14.14	37.92	33.90	123	161	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10620.00	61.64	74.00	-12.36	43.85	11.58	39.88	33.67	169	165	Peak	HORIZONTAL
2	10620.00	48.14	54.00	-5.86	30.35	11.58	39.88	33.67	169	165	Average	HORIZONTAL
3	15929.94	63.09	74.00	-10.91	45.09	14.18	37.75	33.93	189	203	Peak	HORIZONTAL
4	15930.11	50.21	54.00	-3.79	32.21	14.18	37.75	33.93	189	203	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	10619.74	61.07	74.00	-12.93	43.28	11.58	39.88	33.67	262	159	Peak	VERTICAL
2	10620.45	48.02	54.00	-5.98	30.23	11.58	39.88	33.67	262	159	Average	VERTICAL
3	15929.14	50.37	54.00	-3.63	32.37	14.18	37.75	33.93	142	218	Average	VERTICAL
4	15930.49	63.24	74.00	-10.76	45.24	14.18	37.75	33.93	142	218	Peak	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	11020.00	60.24	74.00	-13.76	42.12	11.75	40.20	33.83	178	284	Peak	HORIZONTAL
2	11020.00	47.01	54.00	-6.99	28.89	11.75	40.20	33.83	178	284	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	11019.99	47.23	54.00	-6.77	29.11	11.75	40.20	33.83	139	351	Average	VERTICAL
2	11020.00	59.93	74.00	-14.07	41.81	11.75	40.20	33.83	139	351	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	11099.15	47.49	54.00	-6.51	29.37	11.79	40.16	33.83	210	292	Average	HORIZONTAL
2	11099.32	60.52	74.00	-13.48	42.40	11.79	40.16	33.83	210	292	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	11099.99	47.33	54.00	-6.67	29.21	11.79	40.16	33.83	274	326	Average	VERTICAL
2	11100.00	60.01	74.00	-13.99	41.89	11.79	40.16	33.83	274	326	Peak	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	11339.48	60.79	74.00	-13.21	42.66	11.89	40.07	33.83	118	141	Peak	HORIZONTAL
2	11339.67	47.85	54.00	-6.15	29.72	11.89	40.07	33.83	118	141	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	11339.26	47.91	54.00	-6.09	29.78	11.89	40.07	33.83	177	216	Average	VERTICAL
2	11340.94	60.96	74.00	-13.04	42.83	11.89	40.07	33.83	177	216	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.31	49.57	54.00	-4.43	31.46	14.16	37.86	33.91	171	195	Average	HORIZONTAL
2	15869.53	62.45	74.00	-11.55	44.34	14.16	37.86	33.91	171	195	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	15869.18	49.52	54.00	-4.48	31.41	14.16	37.86	33.91	130	237	Average	VERTICAL
2	15870.92	62.96	74.00	-11.04	44.85	14.16	37.86	33.91	130	237	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	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.62	47.08	54.00	-6.92	28.95	11.77	40.19	33.83	118	203	Average	HORIZONTAL
2	11060.58	59.87	74.00	-14.13	41.76	11.77	40.17	33.83	118	203	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	11059.61	47.36	54.00	-6.64	29.23	11.77	40.19	33.83	136	235	Average	VERTICAL
2	11059.74	60.36	74.00	-13.64	42.23	11.77	40.19	33.83	136	235	Peak	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	11219.53	47.93	54.00	-6.07	29.80	11.84	40.12	33.83	136	93	Average	HORIZONTAL
2	11220.82	61.05	74.00	-12.95	42.92	11.84	40.12	33.83	136	93	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	11220.00	60.82	74.00	-13.18	42.69	11.84	40.12	33.83	178	154	Peak	VERTICAL
2	11220.92	48.00	54.00	-6.00	29.87	11.84	40.12	33.83	178	154	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	11440.08	60.92	74.00	-13.08	42.79	11.93	40.03	33.83	239	222	Peak	HORIZONTAL
2	11441.00	48.45	54.00	-5.55	30.32	11.93	40.03	33.83	239	222	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	11437.24	61.31	74.00	-12.69	43.18	11.93	40.03	33.83	215	322	Peak	VERTICAL
2	11437.68	48.54	54.00	-5.46	30.41	11.93	40.03	33.83	215	322	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	11440.03	47.87	54.00	-6.13	29.74	11.93	40.03	33.83	152	105	Average	HORIZONTAL
2	11440.48	60.79	74.00	-13.21	42.66	11.93	40.03	33.83	152	105	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	11440.05	48.14	54.00	-5.86	30.01	11.93	40.03	33.83	203	30	Average	VERTICAL
2	11440.40	61.12	74.00	-12.88	42.99	11.93	40.03	33.83	203	30	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	11420.26	47.88	54.00	-6.12	29.76	11.92	40.03	33.83	195	147	Average	HORIZONTAL
2	11420.77	60.97	74.00	-13.03	42.85	11.92	40.03	33.83	195	147	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	11420.78	61.00	74.00	-13.00	42.88	11.92	40.03	33.83	205	194	Peak	VERTICAL
2	11420.84	47.82	54.00	-6.18	29.70	11.92	40.03	33.83	205	194	Average	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	11379.67	60.58	74.00	-13.42	42.45	11.91	40.05	33.83	200	146	Peak	HORIZONTAL
2	11379.99	47.22	54.00	-6.78	29.09	11.91	40.05	33.83	200	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	11379.64	60.44	74.00	-13.56	42.31	11.91	40.05	33.83	159	124	Peak	VERTICAL
2	11379.87	47.35	54.00	-6.65	29.22	11.91	40.05	33.83	159	124	Average	VERTICAL

<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	15779.36	60.90	74.00	-13.10	44.60	13.39	38.17	35.26	228	181	Peak	HORIZONTAL
2	15781.88	48.50	54.00	-5.50	32.28	13.39	38.12	35.29	228	181	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	15785.80	47.98	54.00	-6.02	31.76	13.39	38.12	35.29	171	323	Average	VERTICAL
2	15789.64	60.67	74.00	-13.33	44.45	13.39	38.12	35.29	171	323	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	15892.48	47.73	54.00	-6.27	31.67	13.39	38.01	35.34	196	125	Average	HORIZONTAL
2	15906.08	60.21	74.00	-13.79	44.15	13.39	38.01	35.34	196	126	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	15891.36	47.70	54.00	-6.30	31.64	13.39	38.01	35.34	131	327	Average	VERTICAL
2	15894.52	60.37	74.00	-13.63	44.31	13.39	38.01	35.34	131	327	Peak	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	10630.48	55.22	74.00	-18.78	40.51	10.60	38.95	34.84	272	56	Peak	HORIZONTAL
2	10640.08	42.57	54.00	-11.43	27.86	10.60	38.95	34.84	272	56	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	10639.16	42.18	54.00	-11.82	27.47	10.60	38.95	34.84	244	21	Average	VERTICAL
2	10641.68	55.49	74.00	-18.51	40.78	10.60	38.95	34.84	244	21	Peak	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	11001.56	45.45	54.00	-8.55	30.36	10.66	39.10	34.67	231	228	Average	HORIZONTAL
2	11003.80	56.73	74.00	-17.27	41.64	10.66	39.10	34.67	231	228	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	10995.28	43.21	54.00	-10.79	28.14	10.66	39.09	34.68	148	251	Average	VERTICAL
2	11006.12	55.42	74.00	-18.58	40.33	10.66	39.10	34.67	148	251	Peak	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11150.36	56.89	74.00	-17.11	41.63	10.69	39.26	34.69	177	315	Peak	HORIZONTAL
2	11159.84	44.69	54.00	-9.31	29.40	10.69	39.30	34.70	177	315	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	11153.72	56.92	74.00	-17.08	41.66	10.69	39.26	34.69	243	12	Peak	VERTICAL
2	11159.72	43.62	54.00	-10.38	28.33	10.69	39.30	34.70	243	12	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	11407.00	43.46	54.00	-10.54	27.88	10.73	39.58	34.73	142	274	Average	HORIZONTAL
2	11409.84	56.16	74.00	-17.84	40.58	10.73	39.58	34.73	142	274	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	11399.40	43.62	54.00	-10.38	28.04	10.73	39.58	34.73	206	104	Average	VERTICAL
2	11407.08	56.83	74.00	-17.17	41.25	10.73	39.58	34.73	206	104	Peak	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	15796.80	47.63	54.00	-6.37	31.41	13.39	38.12	35.29	135	112	Average	HORIZONTAL
2	15822.00	60.20	74.00	-13.80	43.98	13.39	38.12	35.29	135	112	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	15827.68	60.37	74.00	-13.63	44.23	13.39	38.06	35.31	190	273	Peak	VERTICAL
2	15829.76	47.74	54.00	-6.26	31.60	13.39	38.06	35.31	190	273	Average	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15920.48	47.66	54.00	-6.34	31.68	13.39	37.95	35.36	220	30	Average	HORIZONTAL
2	15926.08	60.03	74.00	-13.97	44.05	13.39	37.95	35.36	220	30	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	15912.16	47.90	54.00	-6.10	31.84	13.39	38.01	35.34	186	242	Average	VERTICAL
2	15918.16	60.77	74.00	-13.23	44.71	13.39	38.01	35.34	186	242	Peak	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	11020.08	58.26	74.00	-15.74	43.17	10.66	39.10	34.67	228	38	Peak	HORIZONTAL
2	11020.32	45.27	54.00	-8.73	30.18	10.66	39.10	34.67	228	38	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	11007.68	43.38	54.00	-10.62	28.29	10.66	39.10	34.67	176	320	Average	VERTICAL
2	11030.48	56.18	74.00	-17.82	41.05	10.67	39.14	34.68	176	320	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	11099.92	59.77	74.00	-14.23	44.56	10.68	39.22	34.69	240	38	Peak	HORIZONTAL
2	11100.56	45.06	54.00	-8.94	29.85	10.68	39.22	34.69	240	38	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	11086.24	43.53	54.00	-10.47	28.36	10.67	39.18	34.68	247	254	Average	VERTICAL
2	11106.88	56.20	74.00	-17.80	40.99	10.68	39.22	34.69	247	254	Peak	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	11324.96	43.82	54.00	-10.18	28.32	10.72	39.50	34.72	194	309	Average	HORIZONTAL
2	11332.64	56.24	74.00	-17.76	40.74	10.72	39.50	34.72	194	309	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	11343.20	43.38	54.00	-10.62	27.88	10.72	39.50	34.72	268	106	Average	VERTICAL
2	11343.60	56.12	74.00	-17.88	40.62	10.72	39.50	34.72	268	106	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15866.00	46.61	54.00	-7.39	30.47	13.39	38.06	35.31	204	135	Average	HORIZONTAL
2	15878.24	55.45	74.00	-18.55	39.39	13.39	38.01	35.34	204	135	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	15863.48	55.02	74.00	-18.98	38.88	13.39	38.06	35.31	267	44	Peak	VERTICAL
2	15865.96	46.24	54.00	-7.76	30.10	13.39	38.06	35.31	267	44	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	11057.72	56.10	74.00	-17.90	40.97	10.67	39.14	34.68	165	294	Peak	HORIZONTAL
2	11058.88	43.45	54.00	-10.55	28.32	10.67	39.14	34.68	165	294	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	11062.40	43.20	54.00	-10.80	28.03	10.67	39.18	34.68	221	74	Average	VERTICAL
2	11062.92	56.31	74.00	-17.69	41.14	10.67	39.18	34.68	221	74	Peak	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	11217.28	55.57	74.00	-18.43	40.23	10.70	39.34	34.70	135	283	Peak	HORIZONTAL
2	11217.64	43.05	54.00	-10.95	27.71	10.70	39.34	34.70	135	283	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	11218.76	42.82	54.00	-11.18	27.48	10.70	39.34	34.70	209	61	Average	VERTICAL
2	11225.24	56.05	74.00	-17.95	40.68	10.70	39.38	34.71	209	61	Peak	VERTICAL



Straddle Channel

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	11432.76	43.65	54.00	-10.35	28.03	10.74	39.62	34.74	102	72	Average	HORIZONTAL
2	11441.12	56.31	74.00	-17.69	40.69	10.74	39.62	34.74	102	72	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	11437.24	56.59	74.00	-17.41	40.97	10.74	39.62	34.74	172	339	Peak	VERTICAL
2	11439.72	43.64	54.00	-10.36	28.02	10.74	39.62	34.74	172	339	Average	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	11416.08	56.08	74.00	-17.92	40.50	10.73	39.58	34.73	166	61	Peak	HORIZONTAL
2	11437.60	44.32	54.00	-9.68	28.70	10.74	39.62	34.74	166	61	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	11427.36	44.02	54.00	-9.98	28.40	10.74	39.62	34.74	180	322	Average	VERTICAL
2	11429.52	56.16	74.00	-17.84	40.54	10.74	39.62	34.74	180	322	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	11377.00	56.13	74.00	-17.87	40.60	10.72	39.54	34.73	237	214	Peak	HORIZONTAL
2	11384.16	42.64	54.00	-11.36	27.11	10.72	39.54	34.73	237	214	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	11370.48	43.14	54.00	-10.86	27.61	10.72	39.54	34.73	191	134	Average	VERTICAL
2	11385.32	56.73	74.00	-17.27	41.15	10.73	39.58	34.73	191	134	Peak	VERTICAL



Directional Antenna 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	15776.92	60.12	74.00	-13.88	43.82	13.39	38.17	35.26	152	300	Peak	HORIZONTAL
2	15778.36	47.45	54.00	-6.55	31.15	13.39	38.17	35.26	152	300	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	15778.72	47.34	54.00	-6.66	31.04	13.39	38.17	35.26	204	50	Average	VERTICAL
2	15782.00	60.72	74.00	-13.28	44.50	13.39	38.12	35.29	204	50	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	10608.80	43.89	54.00	-10.11	29.22	10.59	38.94	34.86	154	123	Average	HORIZONTAL
2	10609.96	56.27	74.00	-17.73	41.60	10.59	38.94	34.86	154	123	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	10597.88	56.66	74.00	-17.34	41.99	10.59	38.94	34.86	102	129	Peak	VERTICAL
2	10605.44	43.90	54.00	-10.10	29.23	10.59	38.94	34.86	102	129	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	10634.12	42.17	54.00	-11.83	27.46	10.60	38.95	34.84	187	273	Average	HORIZONTAL
2	10647.52	55.05	74.00	-18.95	40.34	10.60	38.95	34.84	187	273	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	10640.08	42.92	54.00	-11.08	28.21	10.60	38.95	34.84	166	91	Average	VERTICAL
2	10645.16	54.93	74.00	-19.07	40.22	10.60	38.95	34.84	166	91	Peak	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	10996.64	43.01	54.00	-10.99	27.92	10.66	39.10	34.67	188	61	Average	HORIZONTAL
2	11001.80	55.60	74.00	-18.40	40.51	10.66	39.10	34.67	188	61	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	10997.08	42.56	54.00	-11.44	27.47	10.66	39.10	34.67	150	314	Average	VERTICAL
2	11006.80	55.44	74.00	-18.56	40.35	10.66	39.10	34.67	150	314	Peak	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.96	55.68	74.00	-18.32	40.39	10.69	39.30	34.70	212	227	Peak	HORIZONTAL
2	11161.76	43.14	54.00	-10.86	27.85	10.69	39.30	34.70	212	227	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	11151.80	55.70	74.00	-18.30	40.44	10.69	39.26	34.69	193	31	Peak	VERTICAL
2	11167.16	43.09	54.00	-10.91	27.80	10.69	39.30	34.70	193	31	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	11396.68	55.88	74.00	-18.12	40.30	10.73	39.58	34.73	170	276	Peak	HORIZONTAL
2	11404.68	42.99	54.00	-11.01	27.41	10.73	39.58	34.73	170	276	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	11397.20	56.32	74.00	-17.68	40.74	10.73	39.58	34.73	204	183	Peak	VERTICAL
2	11406.16	43.21	54.00	-10.79	27.63	10.73	39.58	34.73	204	183	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	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	15813.36	47.23	54.00	-6.77	31.01	13.39	38.12	35.29	262	46	Average	HORIZONTAL
2	15817.40	60.17	74.00	-13.83	43.95	13.39	38.12	35.29	262	46	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	15803.56	60.15	74.00	-13.85	43.93	13.39	38.12	35.29	159	320	Peak	VERTICAL
2	15813.80	47.31	54.00	-6.69	31.09	13.39	38.12	35.29	159	320	Average	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.04	42.38	54.00	-11.62	27.71	10.59	38.94	34.86	168	75	Average	HORIZONTAL
2	10621.16	55.27	74.00	-18.73	40.60	10.59	38.94	34.86	168	75	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	10613.40	42.62	54.00	-11.38	27.95	10.59	38.94	34.86	174	265	Average	VERTICAL
2	10625.16	55.24	74.00	-18.76	40.53	10.60	38.95	34.84	174	265	Peak	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	11021.08	42.96	54.00	-11.04	27.87	10.66	39.10	34.67	190	66	Average	HORIZONTAL
2	11029.76	55.63	74.00	-18.37	40.50	10.67	39.14	34.68	190	66	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	11021.68	55.15	74.00	-18.85	40.06	10.66	39.10	34.67	196	200	Peak	VERTICAL
2	11026.80	43.06	54.00	-10.94	27.97	10.66	39.10	34.67	196	200	Average	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	11061.00	55.62	74.00	-18.38	40.45	10.67	39.18	34.68	185	243	Peak	HORIZONTAL
2	11068.12	43.00	54.00	-11.00	27.83	10.67	39.18	34.68	185	243	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	11055.60	56.26	74.00	-17.74	41.13	10.67	39.14	34.68	168	2	Peak	VERTICAL
2	11068.32	43.02	54.00	-10.98	27.85	10.67	39.18	34.68	168	2	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	11347.76	43.00	54.00	-11.00	27.50	10.72	39.50	34.72	198	273	Average	HORIZONTAL
2	11349.92	55.91	74.00	-18.09	40.41	10.72	39.50	34.72	198	273	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	11334.80	43.13	54.00	-10.87	27.63	10.72	39.50	34.72	184	149	Average	VERTICAL
2	11347.12	55.79	74.00	-18.21	40.29	10.72	39.50	34.72	184	149	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	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.00	60.32	74.00	-13.68	44.18	13.39	38.06	35.31	170	246	Peak	HORIZONTAL
2	15874.02	47.90	54.00	-6.10	31.84	13.39	38.01	35.34	170	246	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	15859.68	60.80	74.00	-13.20	44.66	13.39	38.06	35.31	215	357	Peak	VERTICAL
2	15884.28	48.00	54.00	-6.00	31.94	13.39	38.01	35.34	215	357	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	11056.64	55.83	74.00	-18.17	40.70	10.67	39.14	34.68	139	114	Peak	HORIZONTAL
2	11068.70	43.13	54.00	-10.87	27.96	10.67	39.18	34.68	139	114	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	11062.94	55.87	74.00	-18.13	40.70	10.67	39.18	34.68	163	195	Peak	VERTICAL
2	11065.76	43.27	54.00	-10.73	28.10	10.67	39.18	34.68	163	195	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	11205.06	42.81	54.00	-11.19	27.47	10.70	39.34	34.70	189	148	Average	HORIZONTAL
2	11227.02	56.28	74.00	-17.72	40.91	10.70	39.38	34.71	189	148	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	11222.94	42.98	54.00	-11.02	27.61	10.70	39.38	34.71	213	294	Average	VERTICAL
2	11224.98	55.56	74.00	-18.44	40.19	10.70	39.38	34.71	213	294	Peak	VERTICAL