



FCC Test Report

Equipment : Wireless LAN Network Module
Brand Name : Arcadyan
Model No. : WN9711BTAAC-YA
FCC ID : RAXWN9711
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
 5250 MHz – 5350 MHz
 5470 MHz – 5725 MHz
 5725 MHz – 5850 MHz
Applicant : Arcadyan Technology Corporation
 No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
 No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Function : Outdoor; Indoor; Fixed P2P
 Client
TPC Function : With TPC Without TPC

The product sample received on Jun. 05, 2017 and completely tested on Aug. 29, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


 Cliff Chang
 SPORTON INTERNATIONAL INC.





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APPENDIX I. TEST PHOTOS



Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied



Revision History

Report No.	Version	Description	Issued Date
FR770523AB	Rev. 01	Initial issue of report	Sep. 19, 2017



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]

For Master mode:

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX



For Slave mode:

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.25-5.35GHz	802.11a	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11a	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	ACON	AEMEE-10000	Dipole Antenna	Reversed-SMA	3.24	4.54
2	ACON	AEMEE-10000	Dipole Antenna	Reversed-SMA	3.24	4.54

Cable	Brand	Model Name	Cable Length (mm)	Cable Loss (dB)		True Gain (dBi)	
				2.4GHz / BT	5GHz	2.4GHz / BT	5GHz
1	ACON	AEC8P-1000000 (Gray) AEC8P-1000001 (Black)	30	0.08	0.12	3.16	4.42
2	ACON	AEC8P-1000002 (Gray) AEC8P-1000003 (Black)	50	0.13	0.19	3.11	4.35
3	ACON	AEC8P-1000004 (Gray) AEC8P-1000005 (Black)	70	0.19	0.27	3.05	4.27
4	ACON	AEC8P-1000006 (Gray) AEC8P-1000007 (Black)	90	0.24	0.35	3.00	4.19
5	ACON	AEC8P-1000008 (Gray) AEC8P-1000009 (Black)	120	0.32	0.46	2.92	4.08
6	ACON	AEC8P-1000010 (Gray) AEC8P-1000011 (Black)	160	0.43	0.62	2.81	3.92
7	ACON	AEC8P-1000012 (Gray) AEC8P-1000013 (Black)	200	0.54	0.77	2.70	3.77
8	ACON	AEC8P-1000014 (Gray) AEC8P-1000015 (Black)	240	0.64	0.93	2.60	3.61
9	ACON	AEC8P-1000016 (Gray) AEC8P-1000017 (Black)	280	0.75	1.08	2.49	3.46
10	ACON	AEC8P-1000018 (Gray) AEC8P-1000019 (Black)	320	0.86	1.24	2.38	3.30
11	ACON	AEC8P-1000020 (Gray) AEC8P-1000021 (Black)	360	0.96	1.39	2.28	3.15
12	ACON	AEC8P-1000022 (Gray) AEC8P-1000023 (Black)	400	1.07	1.54	2.17	3.00
13	ACON	AEC8P-1000024 (Gray) AEC8P-1000025 (Black)	450	1.21	1.74	2.03	2.80
14	ACON	AEC8P-1000026 (Gray) AEC8P-1000027 (Black)	500	1.34	1.93	1.90	2.61



Note: The EUT has two radios, Radio 1 supports WLAN 2.4GHz, WLAN 5GHz and Bluetooth function, Radio 2 supports WLAN 5GHz function only.

The EUT has one sets of antenna and there are two antennas for each set.

Antenna collocate with 14 set cable selling, only the higher gain antenna “cable 1” was tested and recorded in the report.

For Radio 1 (WLAN 2.4GHz, WLAN 5GHz and Bluetooth):

For IEEE 802.11a/b/g/n/ac mode (1TX/1RX):

Only Ant. 1 (Port 1) can be used as transmitting/receiving antenna.

For Radio 2 (WLAN 5GHz):

For IEEE 802.11a/n/ac mode (1TX/1RX):

Only Ant. 2 (Port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For Radio 1:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.948	0.232	2.06m	1k
802.11ac VHT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.956	0.195	955u	3k
802.11ac VHT80	0.899	0.462	460u	3k

For Radio 2:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.982	0.079	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.956	0.195	955u	3k
802.11ac VHT80	0.906	0.429	455u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz

Note: The EUT supports Master mode in 2.4GHz band and 5GHz band 1, 4 / Slave without radar detection mode in 2.4GHz band and 5GHz band 1~4.



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 v01r04
- ◆ FCC KDB 644545 D03 v01
- ◆ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	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	Serway Li / Peter Lin / Gary Chu	26°C / 62%	Jul. 25, 2017~Aug. 29, 2017
Radiated	03CH01-CB (below 1GHz)	Joy Tseng	23°C / 55%	Jul. 28, 2017
Radiated	03CH01-CB (above1GHz)	Joy Tseng	23°C / 55%	Jul. 11, 2017~Aug. 01, 2017
AC Conduction	CO01-CB	Howard Liu	22°C / 52%	Jul. 18, 2017

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086D with Industry Canada.



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1 - Master mode 5GHz band 1:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	67
5200MHz	80
5240MHz	80
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	65
5200MHz	80
5240MHz	80
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	58
5230MHz	80
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	63



For Radio 1 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	67
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	70
5500MHz	70
5580MHz	58
5700MHz	73
5720MHz Straddle 5.47-5.725GHz	63
5720MHz Straddle 5.725-5.85GHz	63
5745MHz	66
5785MHz	80
5825MHz	80
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	65
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	70
5500MHz	71
5580MHz	58
5700MHz	77
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	58
5230MHz	80
5270MHz	74
5310MHz	60
5510MHz	66
5550MHz	71
5670MHz	80
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80



Mode	Power Setting
5755MHz	80
5795MHz	80
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	63
5290MHz	58
5530MHz	63
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	80



For Radio 2 - Master mode 5GHz band 1:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	64
5200MHz	80
5240MHz	80
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	60
5200MHz	80
5240MHz	80
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	46
5230MHz	80
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	44



For Radio 2 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	64
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	70
5500MHz	66
5580MHz	80
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	60
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	70
5500MHz	64
5580MHz	80
5700MHz	68
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	46
5230MHz	80
5270MHz	80
5310MHz	64
5510MHz	58
5550MHz	80
5670MHz	76
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80



Mode	Power Setting
5755MHz	80
5795MHz	80
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	44
5290MHz	60
5530MHz	62
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	79

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	Master mode - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
2	Master mode - Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Slave mode - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
For operating mode 3 is the worst case and it was record in this test report.	

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	Normal Link
1	EUT Y axis Master mode - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
2	EUT Z axis Master mode - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT Z axis Master mode - Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
Mode 2 has been evaluated to be the worst case between Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT Z axis Slave mode - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT X axis - Radio 1
2	EUT Y axis - Radio 1
3	EUT Z axis - Radio 1
4	EUT X axis - Radio 2
5	EUT Y axis - Radio 2
6	EUT Z axis - Radio 2
Mode 1 and Mode 5 has been evaluated to be the worst case after evaluating. Consequently, measurement will follow this same test mode.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT X axis - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
2	EUT Y axis - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
3	EUT Z axis - Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
4	EUT X axis - Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
5	EUT Y axis - Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
6	EUT Z axis - Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
For operating mode 1 and mode 3 are the worst case and it was record in this test report.	
Refer to Appendix H for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)
2	Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)
Refer to Sporton Test Report No.: FA770523 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	Bluetooth Speaker	MARUS	MSK06C-RD	DoC
3	AP Router	ASUS	DSL-AC68U	DoC
4	AP Router	Planex	GW-AP54SGX	KA220030603014-1
5	Fixture	Arcadyan	WN9711BTAAC Test jig	N/A

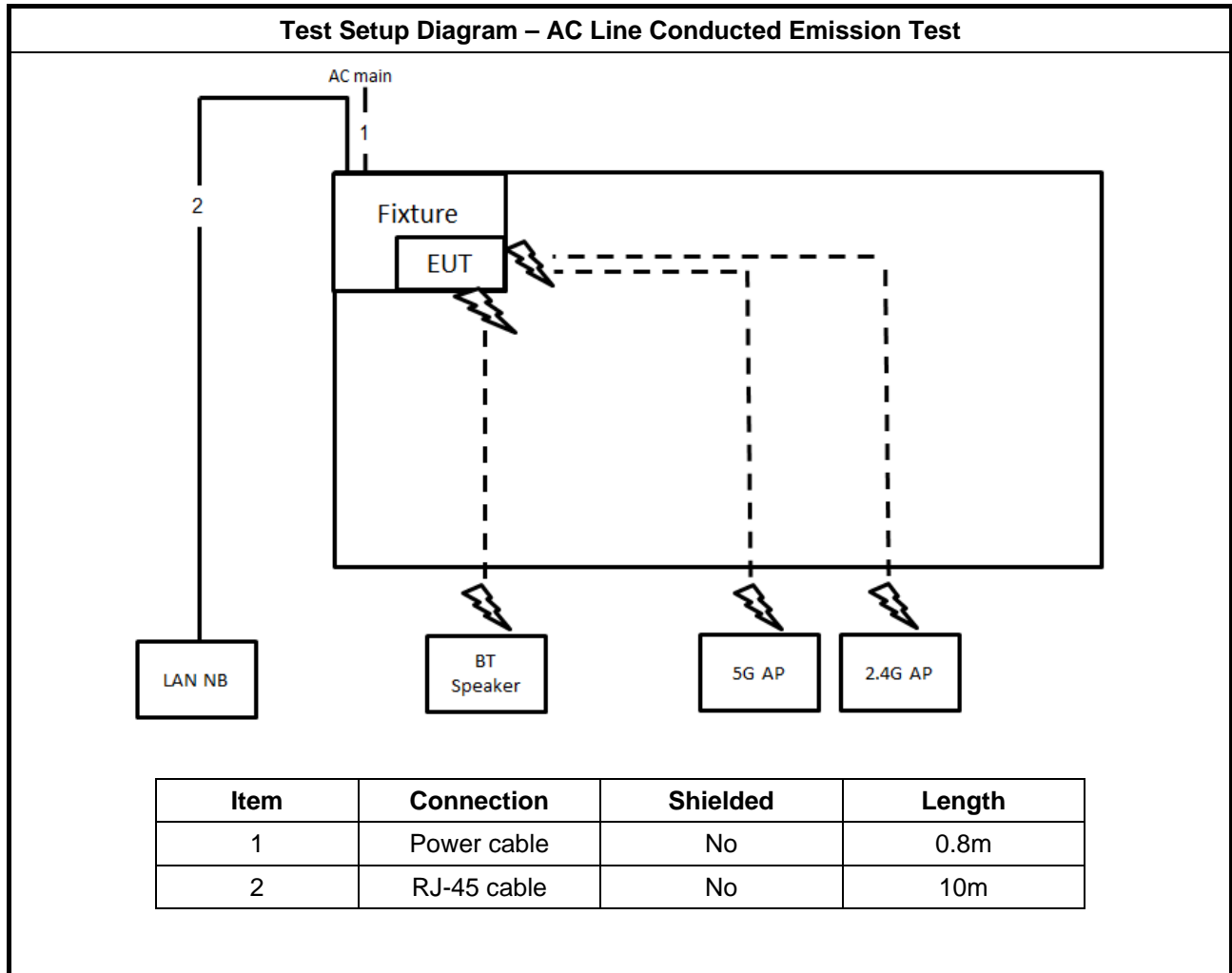
For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC
3	Bluetooth Speaker	MARUS	MSK06C-RD	DoC
4	Fixture	Arcadyan	WN9711BTAAC Test jig	N/A

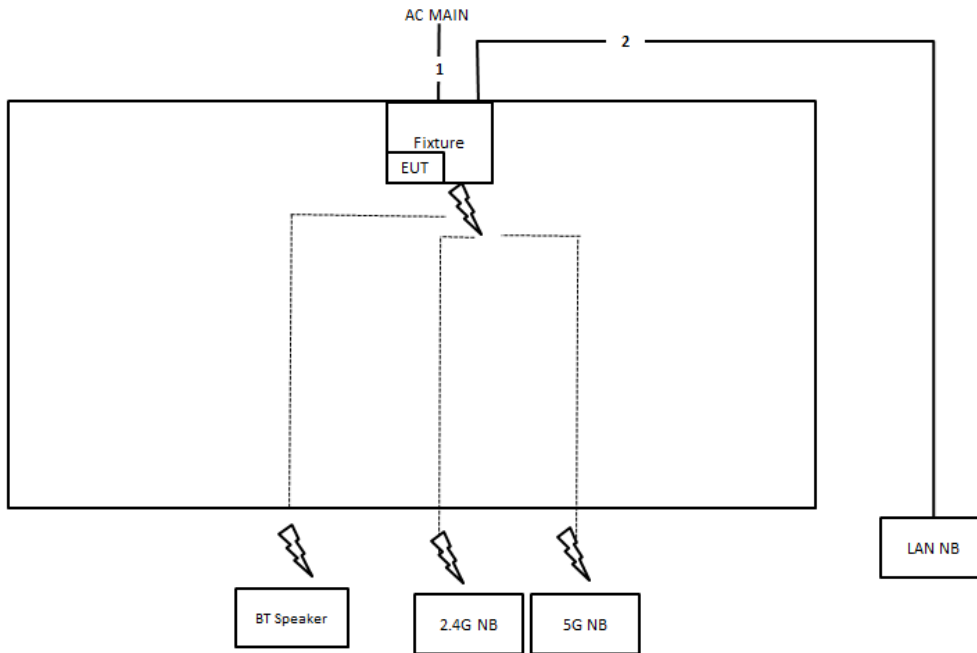
For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Fixture	Arcadyan	WN9711BTAAC Test jig	N/A

2.6 Test Setup Diagram

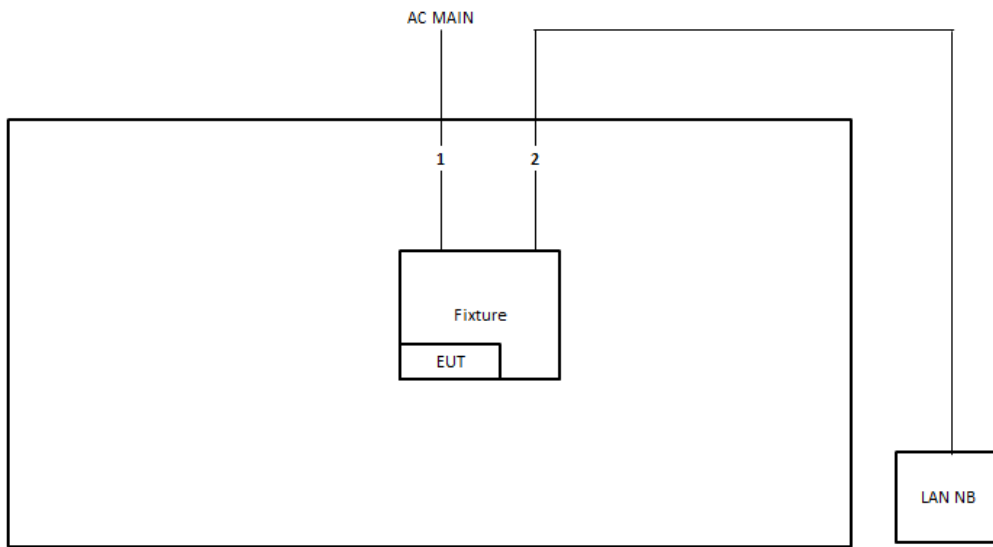


Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

Note 1: * Decreases with the logarithm of the frequency.

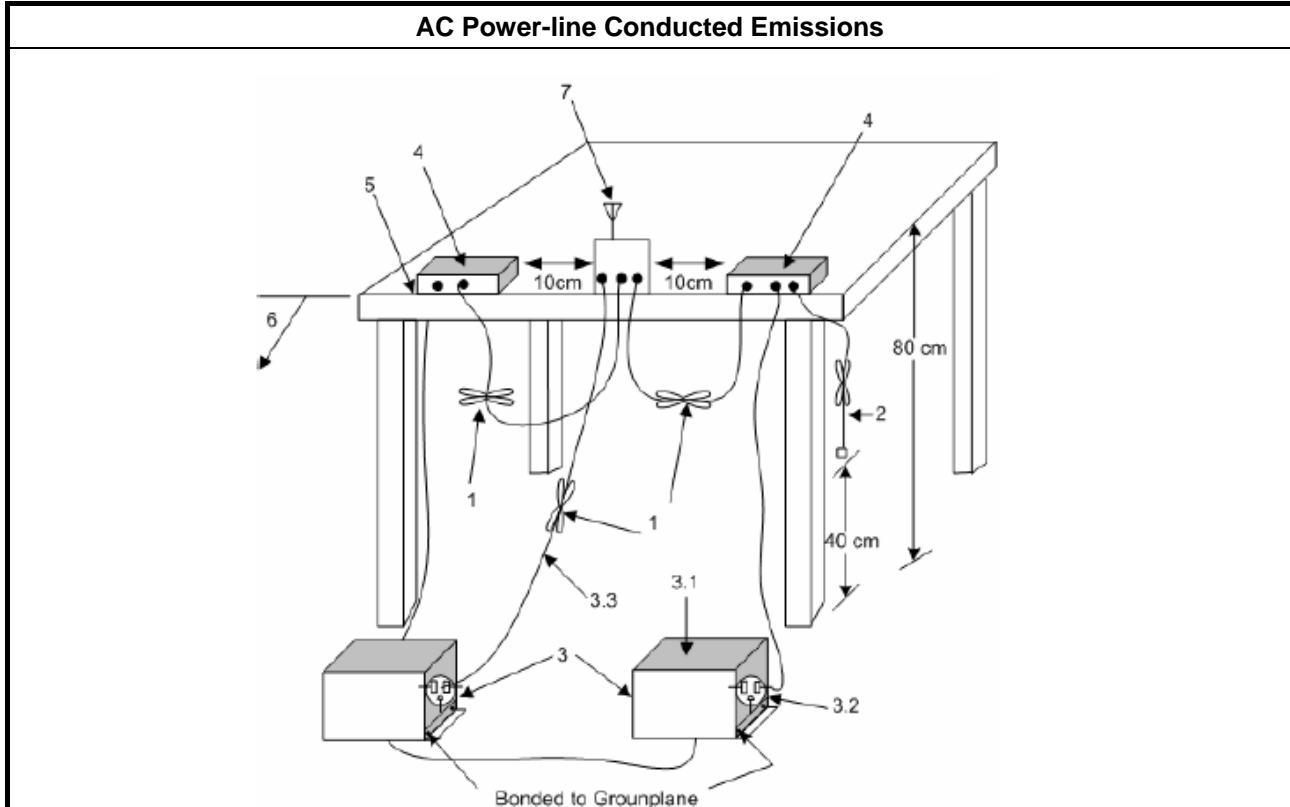
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix B

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

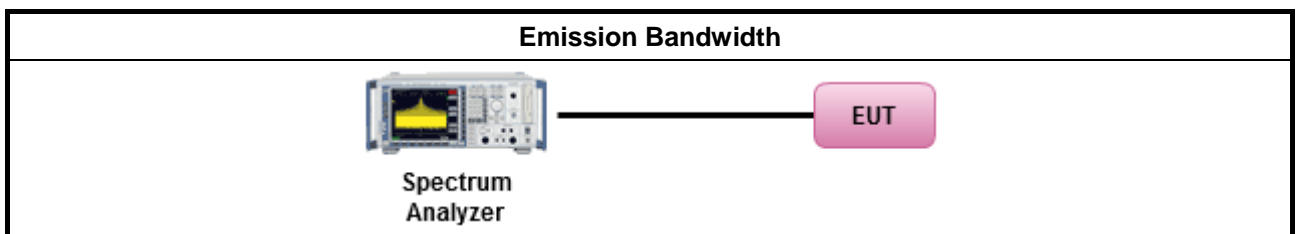
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix C



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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	
<input type="checkbox"/> 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	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

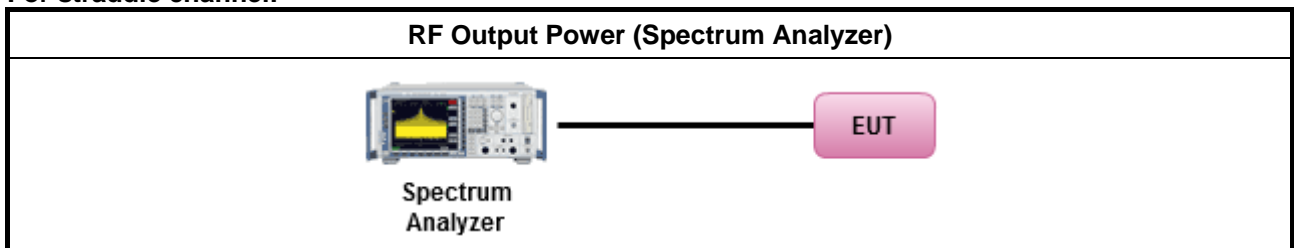
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

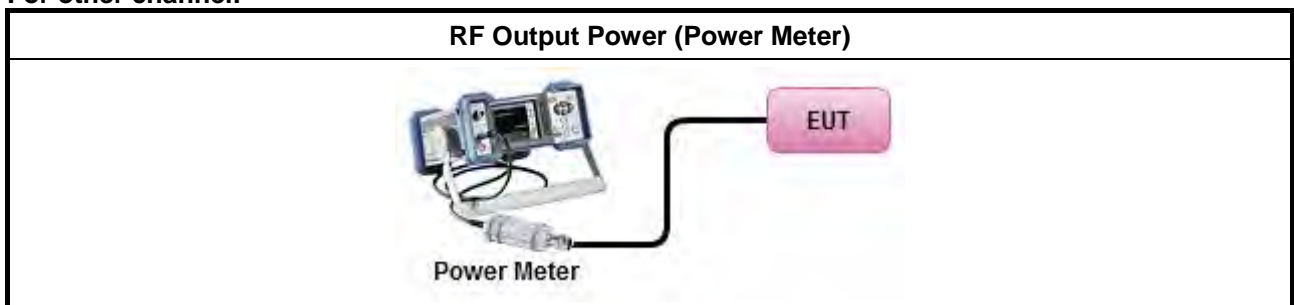
Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
Average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup

For straddle channel:



For other channel:



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix D

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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.	
	<ul style="list-style-type: none"> ▪ 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 ($\theta-8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta-40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> 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.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.
<p>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</p> <p>G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

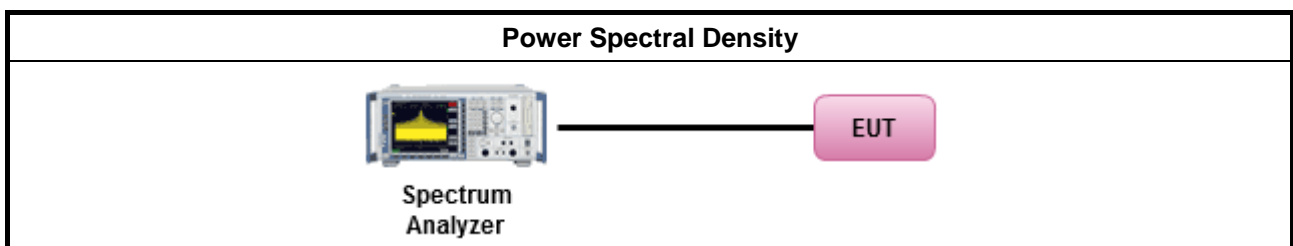
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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.
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ 	

3.4.4 Test Setup





3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix E



3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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



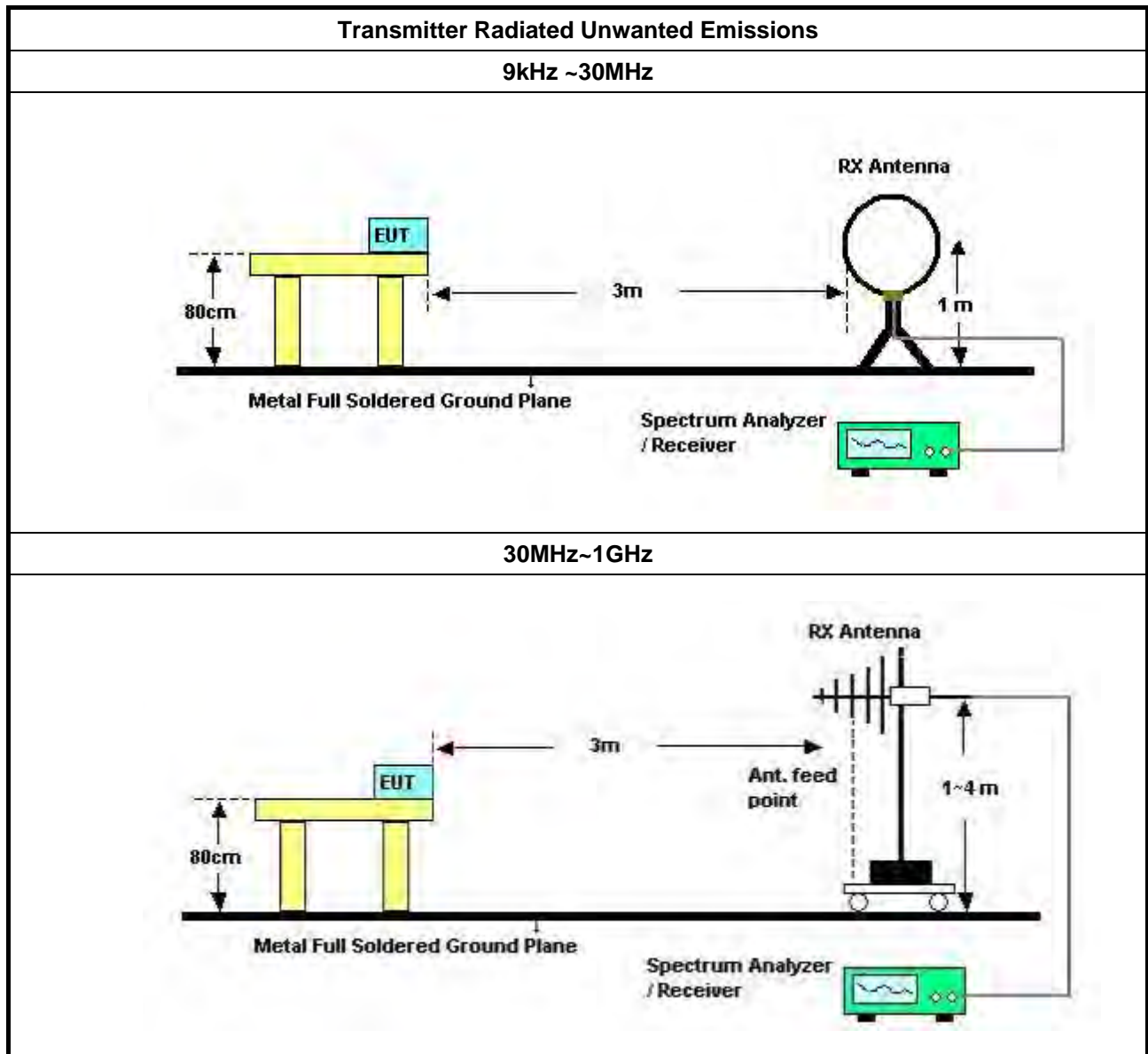
3.5.2 Measuring Instruments

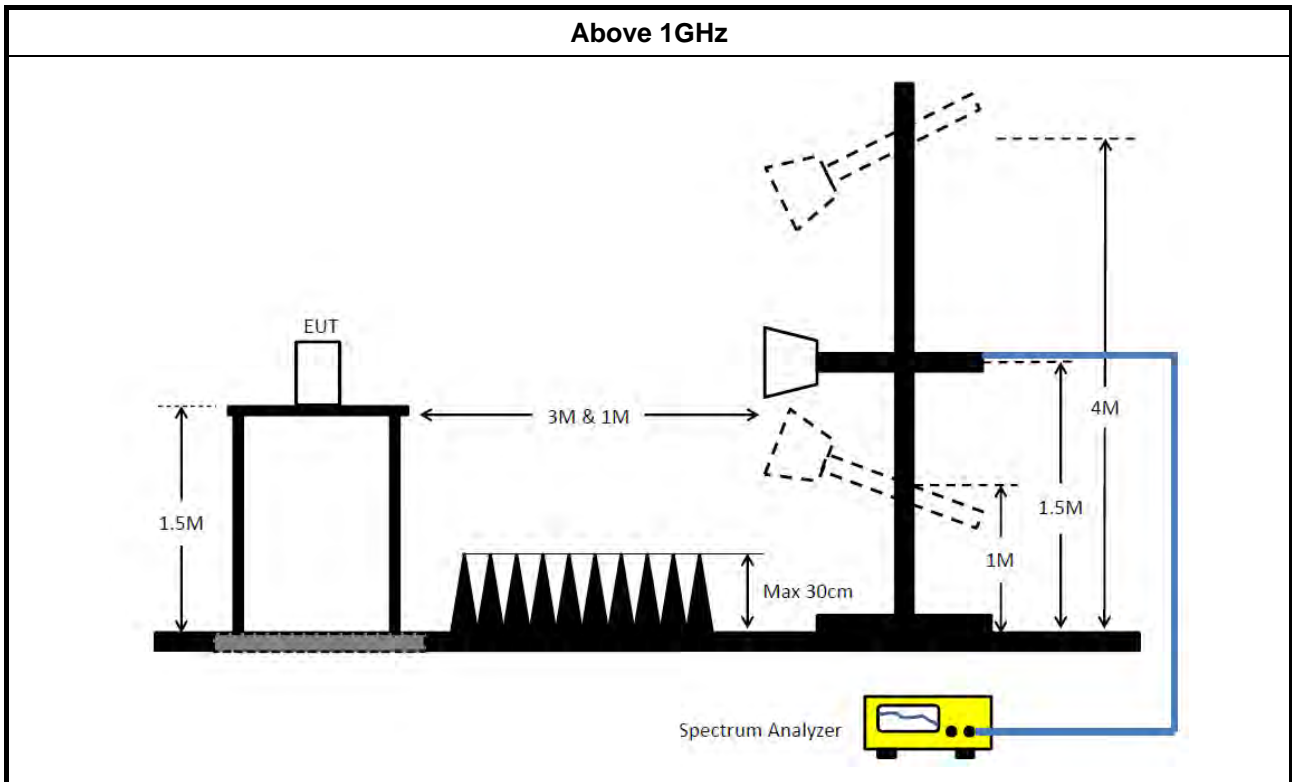
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
	<ul style="list-style-type: none"> <input type="checkbox"/> Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging). <input checked="" type="checkbox"/> Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW). <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions. <input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
	<ul style="list-style-type: none"> ▪ For radiated measurement.
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level.
	<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix F

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> N/A
IEEE Std. 802.11
<ul style="list-style-type: none"> The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

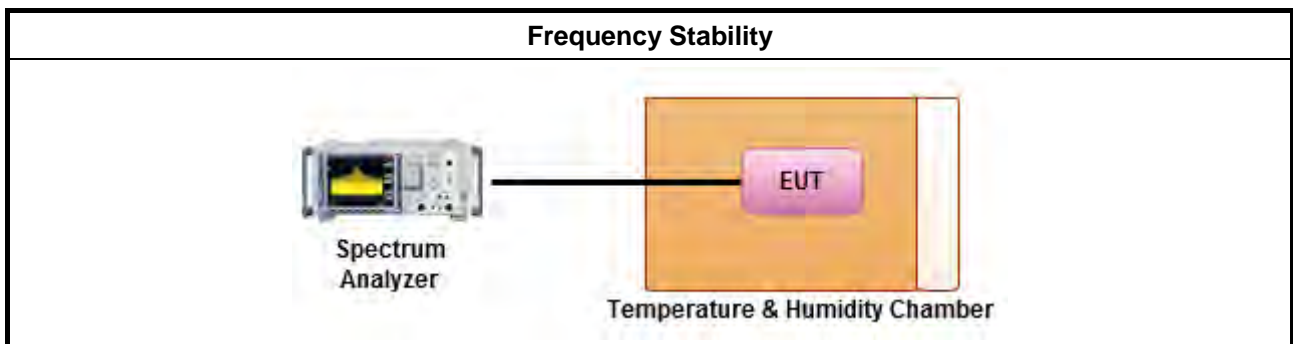
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.8 for frequency stability tests
<ul style="list-style-type: none"> Frequency stability with respect to ambient temperature
<ul style="list-style-type: none"> Frequency stability when varying supply voltage
<ul style="list-style-type: none"> Extreme temperature is 0°C~70°C.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Aug. 29, 2017	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz ~ 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz ~ 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

“**” Calibration Interval of instruments listed above is two years.

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



AC Power-line Conducted Emissions Result

Appendix B

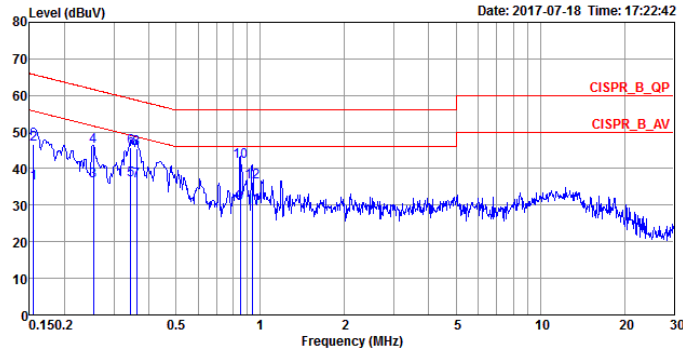
AC Power-line Conducted Emissions Result									
Operating Mode	3	Power Phase	Neutral						
Operating Function	Normal Link								
<p>The graph displays the AC power-line conducted emissions. The y-axis represents Level in dBuV (0 to 80), and the x-axis represents Frequency in MHz (0.1502 to 30). Two red lines indicate the CISPR limits: CISPR_B_QP (Quasi-Peak) and CISPR_B_AV (Average). The blue line shows the measured emission levels, which are generally below the limits, with some peaks at 0.2535, 0.3483, 0.8483, 0.9331, 1.0211, and 12.9199 MHz.</p>									
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.2535	36.69	-14.95	51.64	26.52	10.08	0.09	Average	NEUTRAL
2	0.2535	46.23	-15.41	61.64	36.06	10.08	0.09	QP	NEUTRAL
3	0.3483	36.02	-12.98	49.00	25.80	10.19	0.03	Average	NEUTRAL
4	0.3483	44.98	-14.02	59.00	34.76	10.19	0.03	QP	NEUTRAL
5	0.8483	30.83	-15.17	46.00	20.57	10.10	0.16	Average	NEUTRAL
6	0.8483	42.49	-13.51	56.00	32.23	10.10	0.16	QP	NEUTRAL
7	0.9331	30.32	-15.68	46.00	20.07	10.07	0.18	Average	NEUTRAL
8	0.9331	39.23	-16.77	56.00	28.98	10.07	0.18	QP	NEUTRAL
9	1.0211	28.03	-17.97	46.00	17.79	10.05	0.19	Average	NEUTRAL
10	1.0211	35.41	-20.59	56.00	25.17	10.05	0.19	QP	NEUTRAL
11	12.9199	24.89	-25.11	50.00	14.48	10.24	0.17	Average	NEUTRAL
12	12.9199	32.17	-27.83	60.00	21.76	10.24	0.17	QP	NEUTRAL

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



AC Power-line Conducted Emissions Result

Appendix B

AC Power-line Conducted Emissions Result																																																																																																																																																									
Operating Mode	3	Power Phase	Line																																																																																																																																																						
Operating Function	Normal Link																																																																																																																																																								
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  <p>The graph shows the emission level in dBuV versus frequency in MHz. The y-axis ranges from 0 to 80 dBuV, and the x-axis ranges from 0.1502 to 30 MHz. Two red lines represent the CISPR limits: CISPR_B_QP (upper) and CISPR_B_AV (lower). The blue line represents the measured emission level, which generally stays below the CISPR_B_AV limit, with some peaks around 0.3 MHz and 0.9 MHz.</p> </div> <div style="text-align: right;"> <p>Date: 2017-07-18 Time: 17:22:42</p> </div> </div>																																																																																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>LISN</th> <th>Cable</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>Limit</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th></th> <th></th> </tr> <tr> <th></th> <th></th> <th></th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.1548</td> <td>36.13</td> <td>-19.61</td> <td>55.74</td> <td>25.97</td> <td>10.00</td> <td>0.16</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>2</td> <td>0.1548</td> <td>46.69</td> <td>-19.05</td> <td>65.74</td> <td>36.53</td> <td>10.00</td> <td>0.16</td> <td>QP</td> <td>LINE</td> </tr> <tr> <td>3</td> <td>0.2535</td> <td>36.72</td> <td>-14.92</td> <td>51.64</td> <td>26.71</td> <td>9.92</td> <td>0.09</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>4</td> <td>0.2535</td> <td>46.20</td> <td>-15.44</td> <td>61.64</td> <td>36.19</td> <td>9.92</td> <td>0.09</td> <td>QP</td> <td>LINE</td> </tr> <tr style="background-color: #e0e0e0;"> <td>5</td> <td>0.3446</td> <td>36.95</td> <td>-12.14</td> <td>49.09</td> <td>26.97</td> <td>9.94</td> <td>0.04</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>6</td> <td>0.3446</td> <td>45.83</td> <td>-13.26</td> <td>59.09</td> <td>35.85</td> <td>9.94</td> <td>0.04</td> <td>QP</td> <td>LINE</td> </tr> <tr> <td>7</td> <td>0.3615</td> <td>36.49</td> <td>-12.20</td> <td>48.69</td> <td>26.52</td> <td>9.94</td> <td>0.03</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>8</td> <td>0.3615</td> <td>45.50</td> <td>-13.19</td> <td>58.69</td> <td>35.53</td> <td>9.94</td> <td>0.03</td> <td>QP</td> <td>LINE</td> </tr> <tr> <td>9</td> <td>0.8483</td> <td>30.53</td> <td>-15.47</td> <td>46.00</td> <td>20.41</td> <td>9.96</td> <td>0.16</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>10</td> <td>0.8483</td> <td>42.02</td> <td>-13.98</td> <td>56.00</td> <td>31.90</td> <td>9.96</td> <td>0.16</td> <td>QP</td> <td>LINE</td> </tr> <tr> <td>11</td> <td>0.9381</td> <td>29.47</td> <td>-16.53</td> <td>46.00</td> <td>19.33</td> <td>9.96</td> <td>0.18</td> <td>Average</td> <td>LINE</td> </tr> <tr> <td>12</td> <td>0.9381</td> <td>36.35</td> <td>-19.65</td> <td>56.00</td> <td>26.21</td> <td>9.96</td> <td>0.18</td> <td>QP</td> <td>LINE</td> </tr> </tbody> </table>					Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase		MHz	dBuV	Limit	Line	Level	Factor	Loss						dB	dBuV	dBuV	dB	dB			1	0.1548	36.13	-19.61	55.74	25.97	10.00	0.16	Average	LINE	2	0.1548	46.69	-19.05	65.74	36.53	10.00	0.16	QP	LINE	3	0.2535	36.72	-14.92	51.64	26.71	9.92	0.09	Average	LINE	4	0.2535	46.20	-15.44	61.64	36.19	9.92	0.09	QP	LINE	5	0.3446	36.95	-12.14	49.09	26.97	9.94	0.04	Average	LINE	6	0.3446	45.83	-13.26	59.09	35.85	9.94	0.04	QP	LINE	7	0.3615	36.49	-12.20	48.69	26.52	9.94	0.03	Average	LINE	8	0.3615	45.50	-13.19	58.69	35.53	9.94	0.03	QP	LINE	9	0.8483	30.53	-15.47	46.00	20.41	9.96	0.16	Average	LINE	10	0.8483	42.02	-13.98	56.00	31.90	9.96	0.16	QP	LINE	11	0.9381	29.47	-16.53	46.00	19.33	9.96	0.18	Average	LINE	12	0.9381	36.35	-19.65	56.00	26.21	9.96	0.18	QP	LINE
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark	Pol/Phase																																																																																																																																																
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**For Radio 1 - Master mode 5GHz band 1:
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	33.025M	17.016M	17M0D1D	21.575M	16.542M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	37.4M	17.941M	17M9D1D	23.075M	17.666M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	62.65M	36.332M	36M3D1D	39.9M	36.182M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	81.5M	75.462M	75M5D1D	81.5M	75.462M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

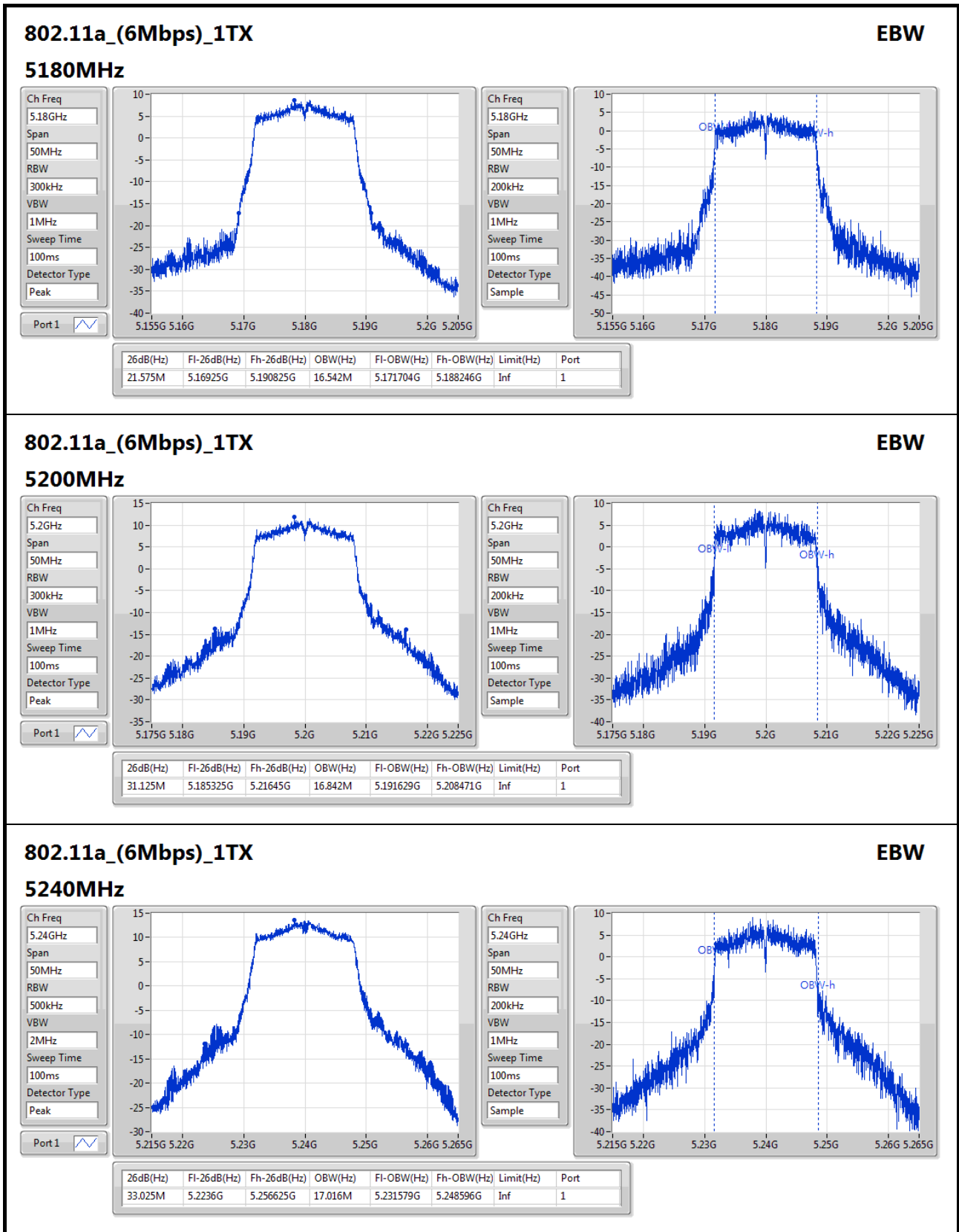


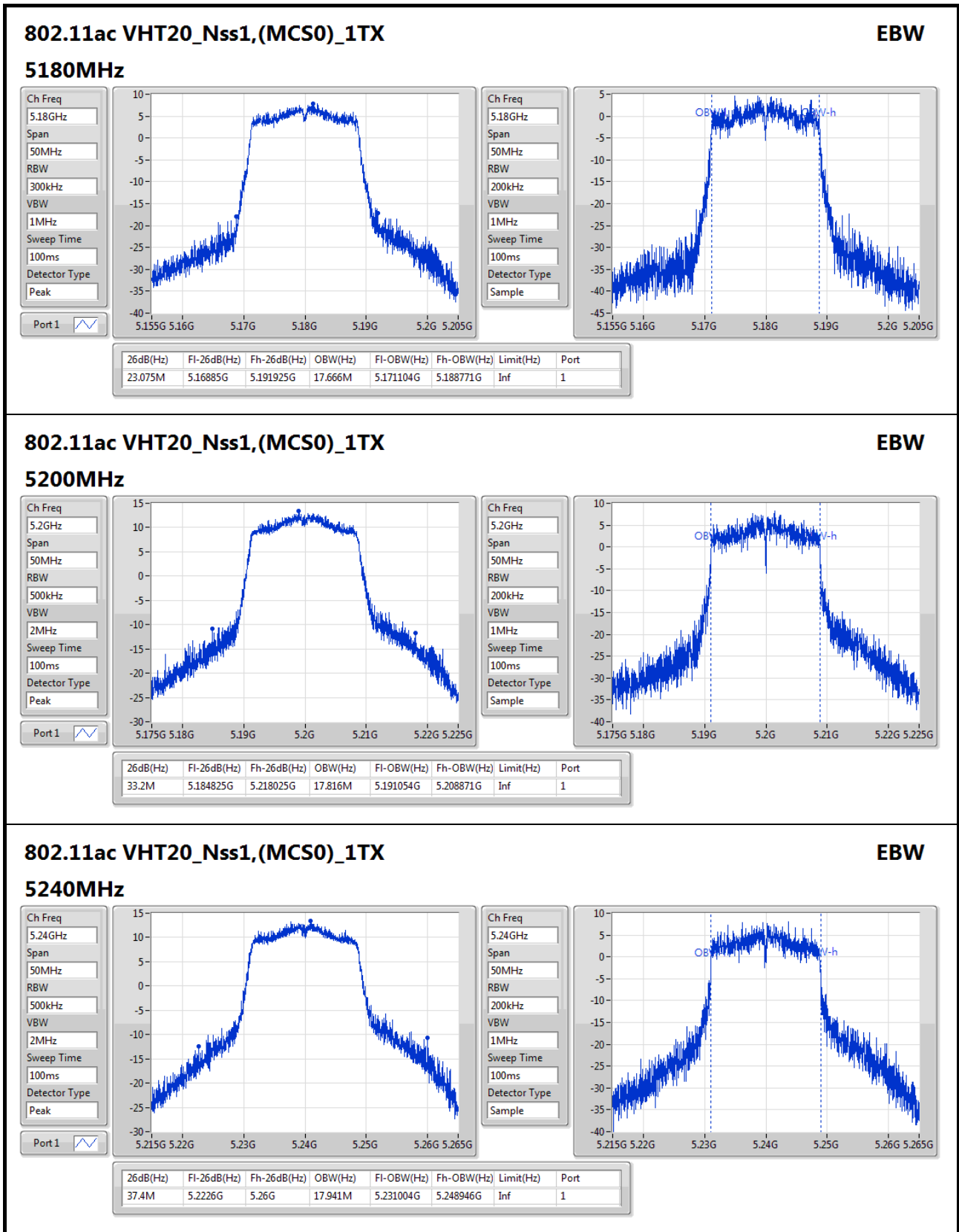
Result

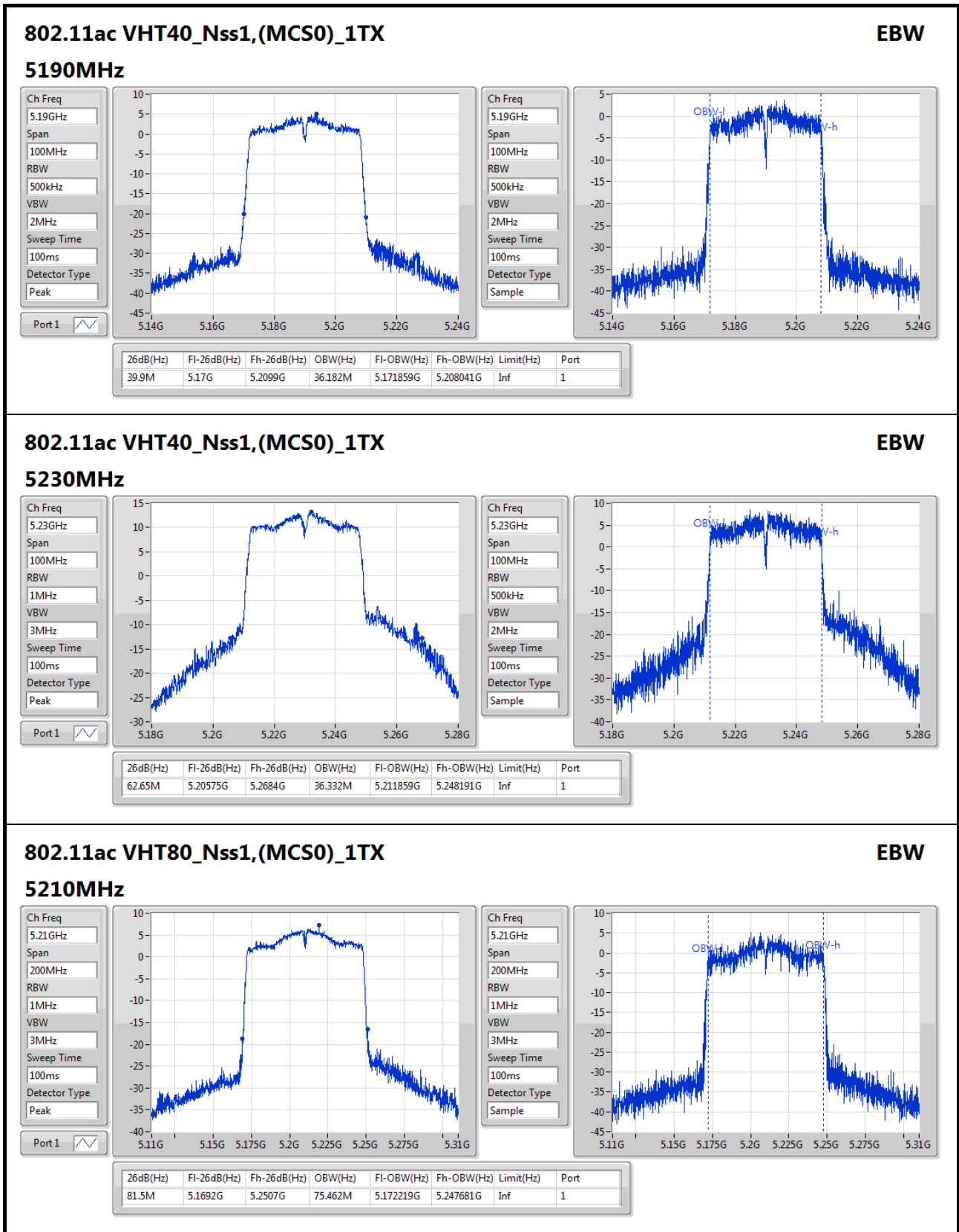
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.575M	16.542M
5200MHz	Pass	Inf	31.125M	16.842M
5240MHz	Pass	Inf	33.025M	17.016M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	23.075M	17.666M
5200MHz	Pass	Inf	33.2M	17.816M
5240MHz	Pass	Inf	37.4M	17.941M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.182M
5230MHz	Pass	Inf	62.65M	36.332M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.5M	75.462M

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

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







**For Radio 1 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	33.025M	17.016M	17M0D1D	21.575M	16.542M
5.25-5.35GHz	32.875M	16.867M	16M9D1D	21.6M	16.542M
5.47-5.725GHz	22.725M	16.567M	16M6D1D	15.63M	13.283M
5.725-5.85GHz	16.3M	16.667M	16M7D1D	3.04M	4.098M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	37.4M	17.941M	17M9D1D	23.075M	17.666M
5.25-5.35GHz	37.125M	17.966M	18M0D1D	26.8M	17.741M
5.47-5.725GHz	26.2M	17.741M	17M7D1D	18.255M	13.928M
5.725-5.85GHz	17.5M	17.841M	17M8D1D	3.64M	6.037M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	62.65M	36.332M	36M3D1D	39.9M	36.182M
5.25-5.35GHz	49.55M	36.182M	36M2D1D	39.9M	36.132M
5.47-5.725GHz	67.55M	36.332M	36M3D1D	39.95M	33.058M
5.725-5.85GHz	36M	36.382M	36M4D1D	3.06M	16.512M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	81.5M	75.462M	75M5D1D	81.5M	75.462M
5.25-5.35GHz	81.2M	75.362M	75M4D1D	81.2M	75.362M
5.47-5.725GHz	122.7M	75.862M	75M9D1D	81.8M	72.564M
5.725-5.85GHz	75.2M	75.662M	75M7D1D	2.8M	31.244M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;



Result

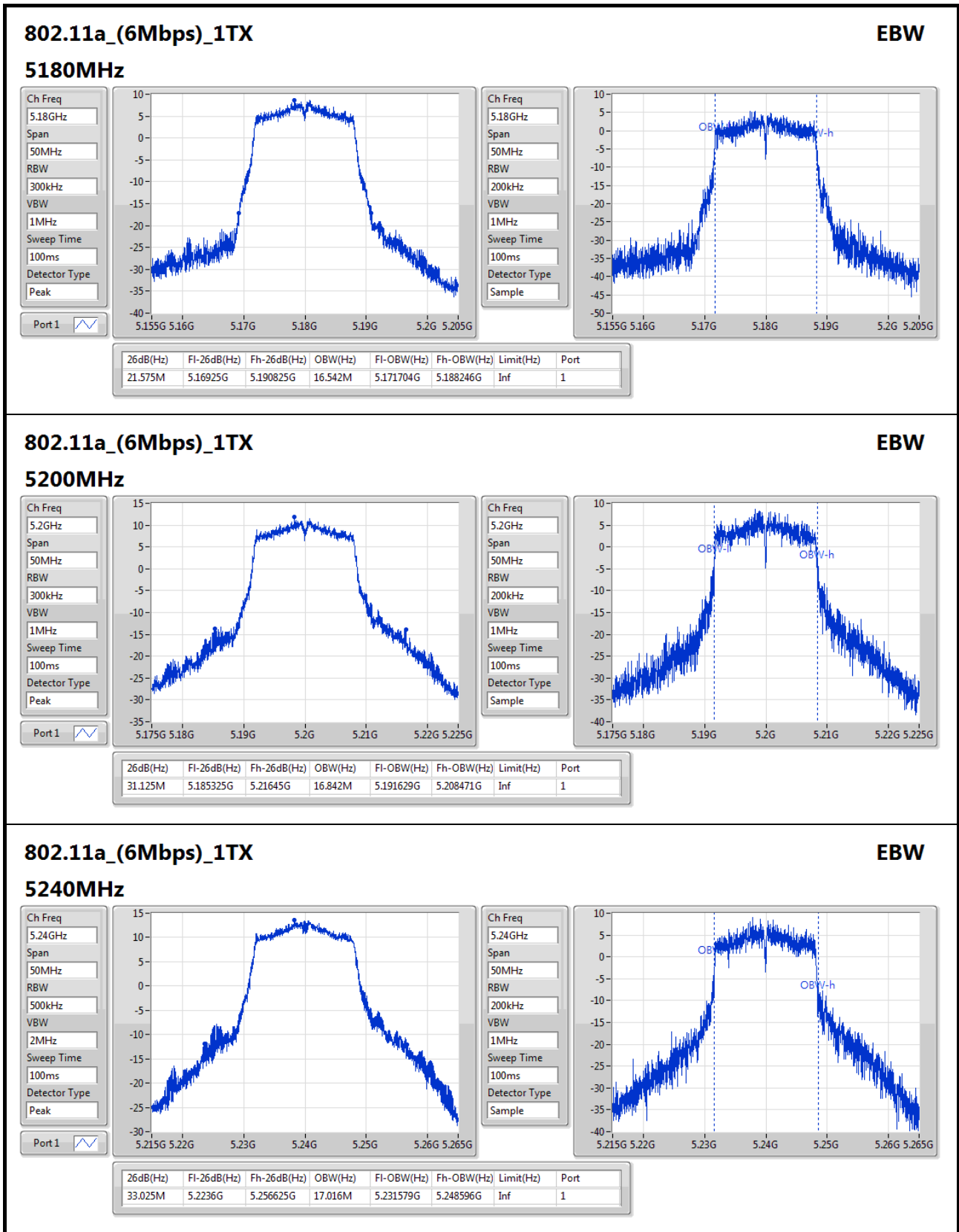
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.575M	16.542M
5200MHz	Pass	Inf	31.125M	16.842M
5240MHz	Pass	Inf	33.025M	17.016M
5260MHz	Pass	Inf	32.875M	16.717M
5300MHz	Pass	Inf	31.4M	16.867M
5320MHz	Pass	Inf	21.6M	16.542M
5500MHz	Pass	Inf	21.775M	16.542M
5580MHz	Pass	Inf	21.3M	16.517M
5700MHz	Pass	Inf	22.725M	16.567M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	13.283M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	4.098M
5745MHz	Pass	500k	16.3M	16.542M
5785MHz	Pass	500k	16.3M	16.667M
5825MHz	Pass	500k	16.25M	16.642M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	23.075M	17.666M
5200MHz	Pass	Inf	33.2M	17.816M
5240MHz	Pass	Inf	37.4M	17.941M
5260MHz	Pass	Inf	37.125M	17.966M
5300MHz	Pass	Inf	32.05M	17.916M
5320MHz	Pass	Inf	26.8M	17.741M
5500MHz	Pass	Inf	26.2M	17.741M
5580MHz	Pass	Inf	21.65M	17.691M
5700MHz	Pass	Inf	25.95M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.255M	13.928M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.64M	6.037M
5745MHz	Pass	500k	17.5M	17.841M
5785MHz	Pass	500k	17.475M	17.741M
5825MHz	Pass	500k	17.15M	17.716M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.182M
5230MHz	Pass	Inf	62.65M	36.332M
5270MHz	Pass	Inf	49.55M	36.182M
5310MHz	Pass	Inf	39.9M	36.132M
5510MHz	Pass	Inf	39.95M	36.182M
5550MHz	Pass	Inf	44.1M	36.132M
5670MHz	Pass	Inf	67.55M	36.332M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	45.92M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.06M	16.512M
5755MHz	Pass	500k	36M	36.382M
5795MHz	Pass	500k	35.75M	36.332M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-

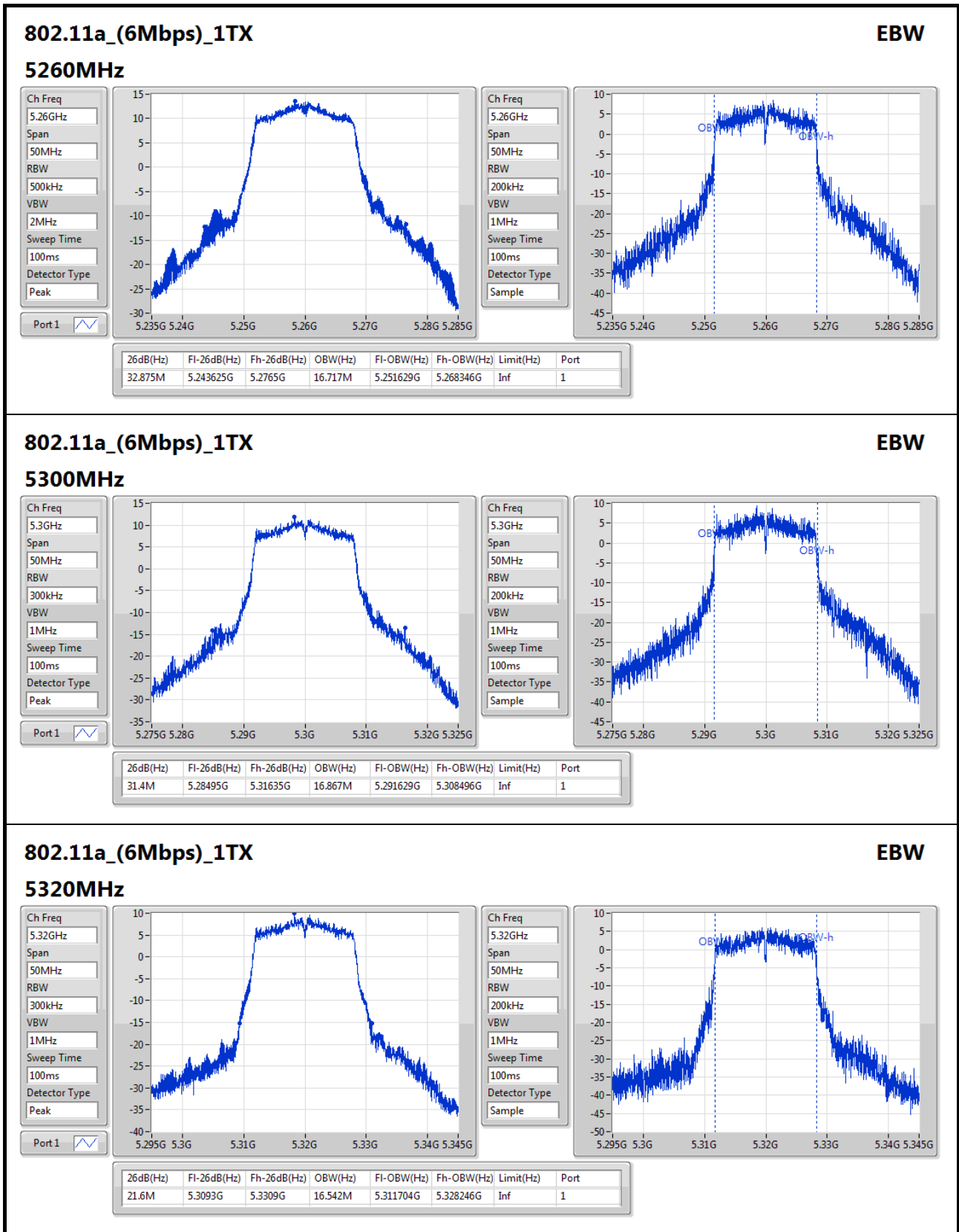


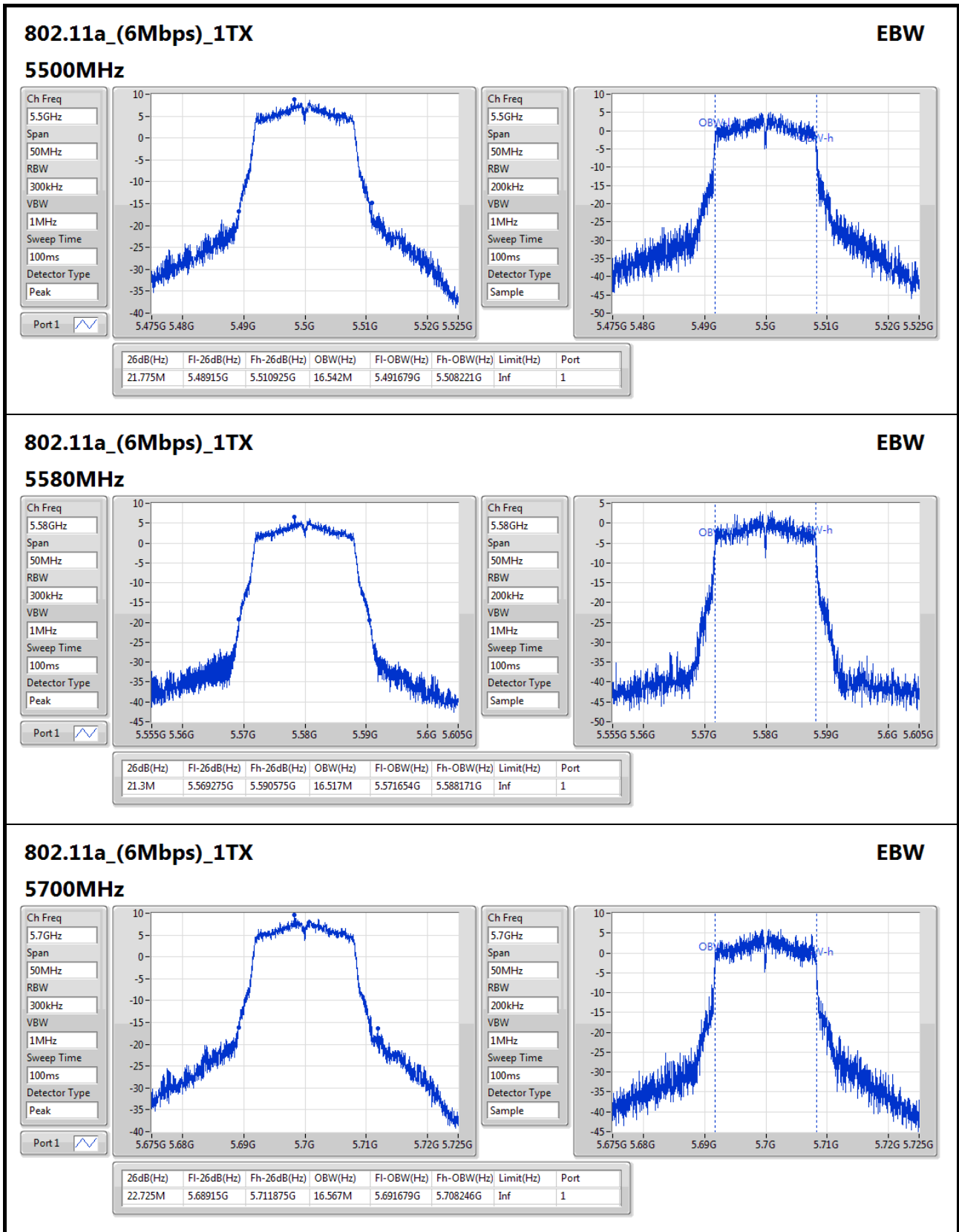
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5210MHz	Pass	Inf	81.5M	75.462M
5290MHz	Pass	Inf	81.2M	75.362M
5530MHz	Pass	Inf	81.8M	75.662M
5610MHz	Pass	Inf	122.7M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	92.025M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.8M	31.244M
5775MHz	Pass	500k	75.2M	75.662M

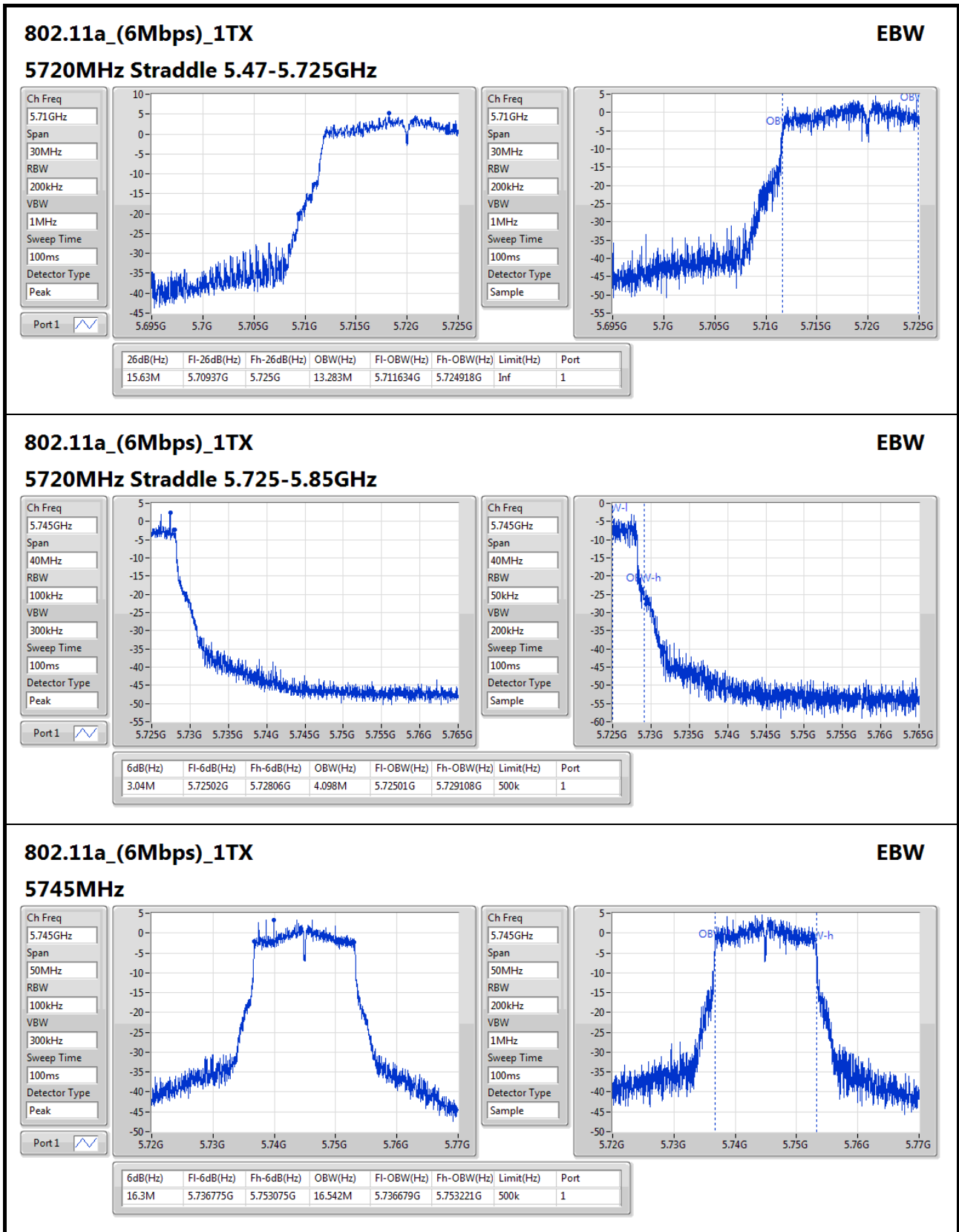
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

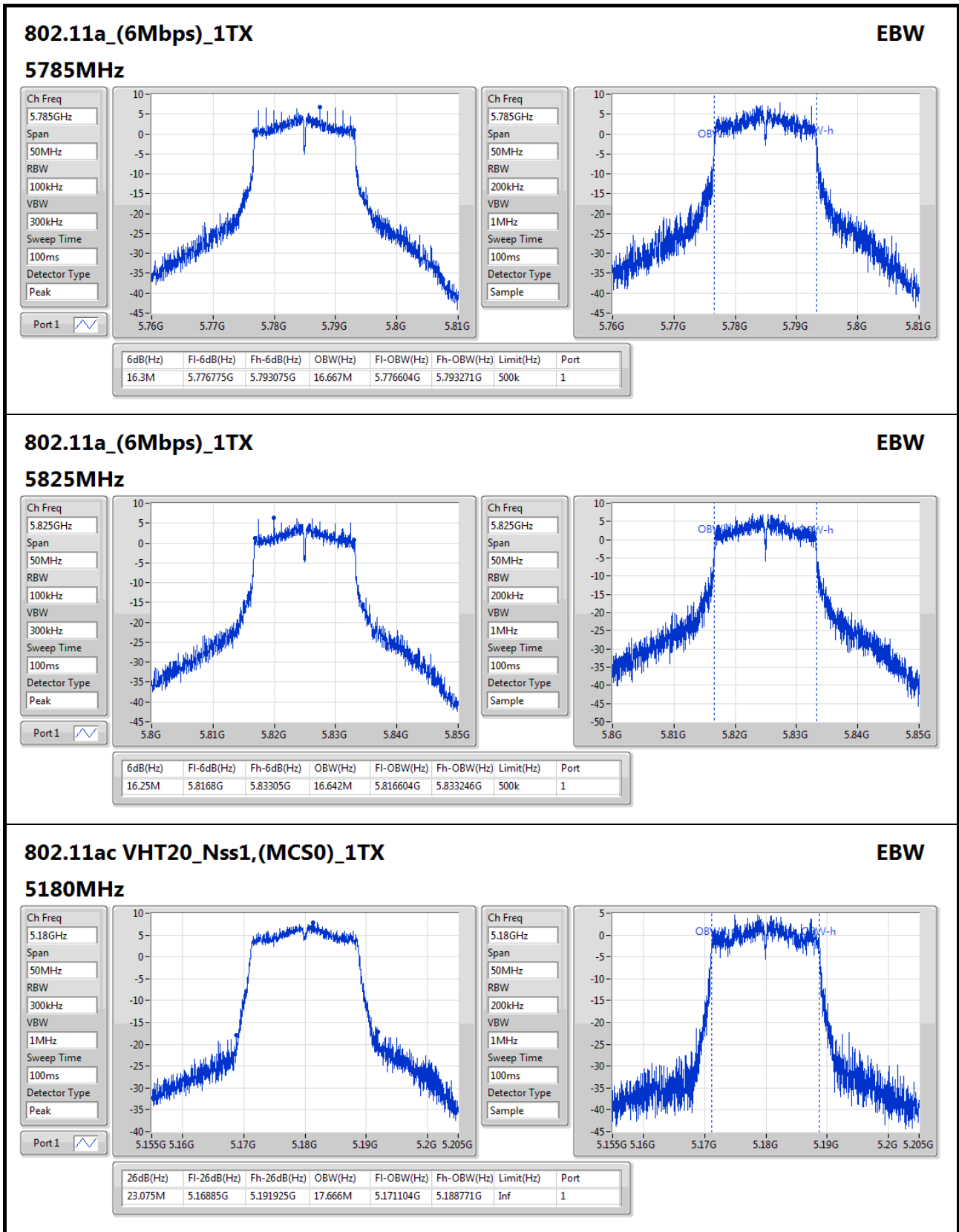
Port X-OBW = Port X 99% occupied bandwidth;

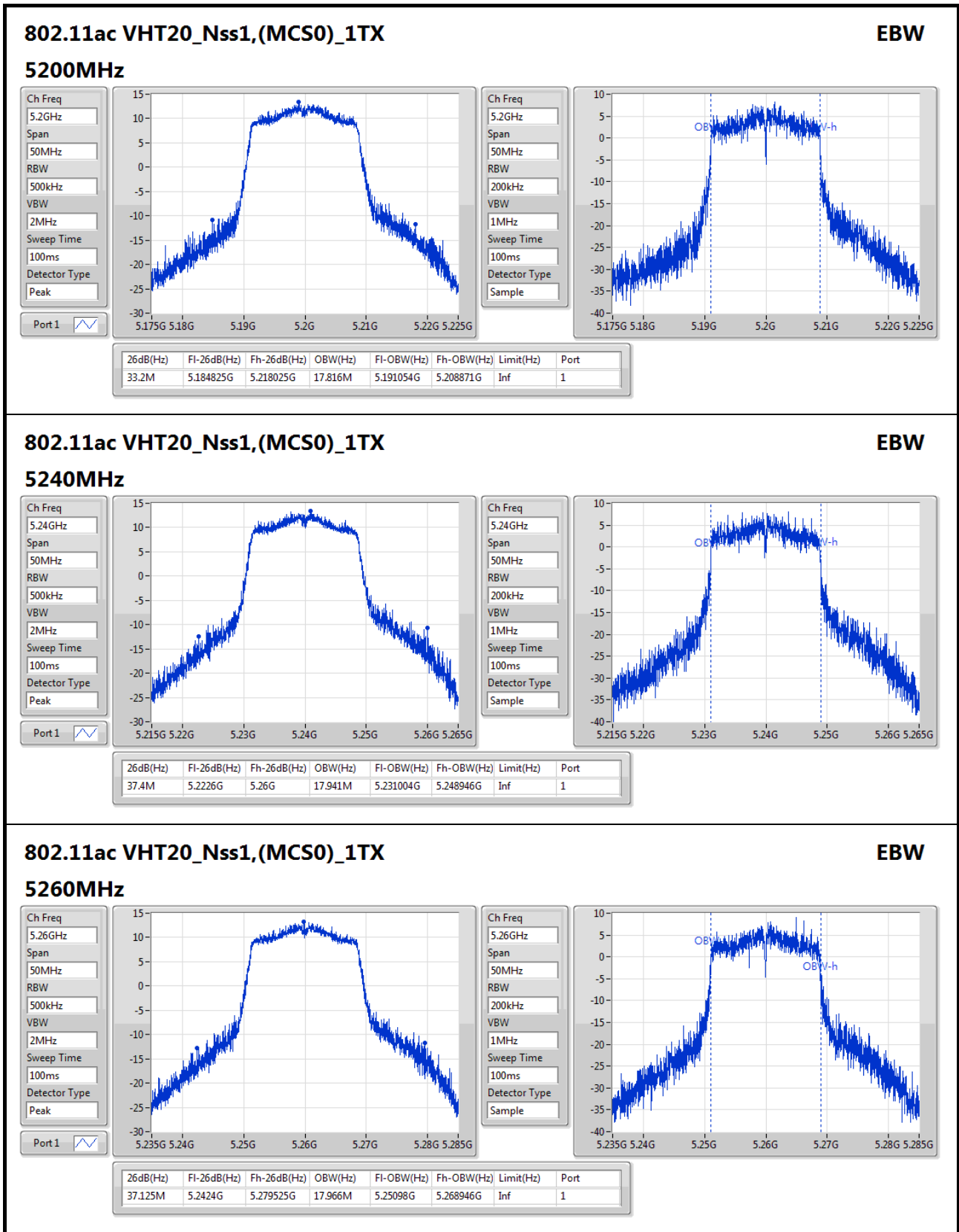


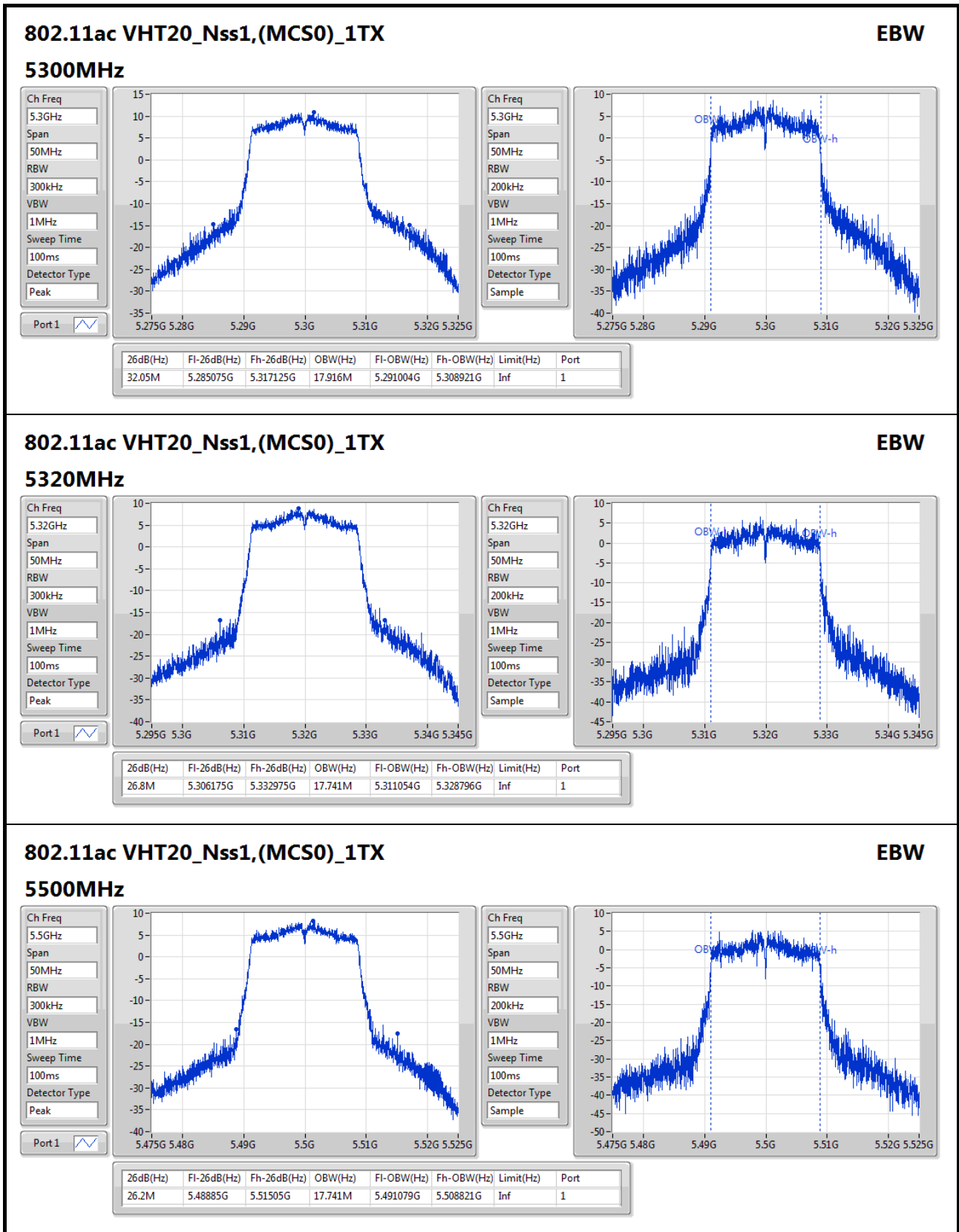


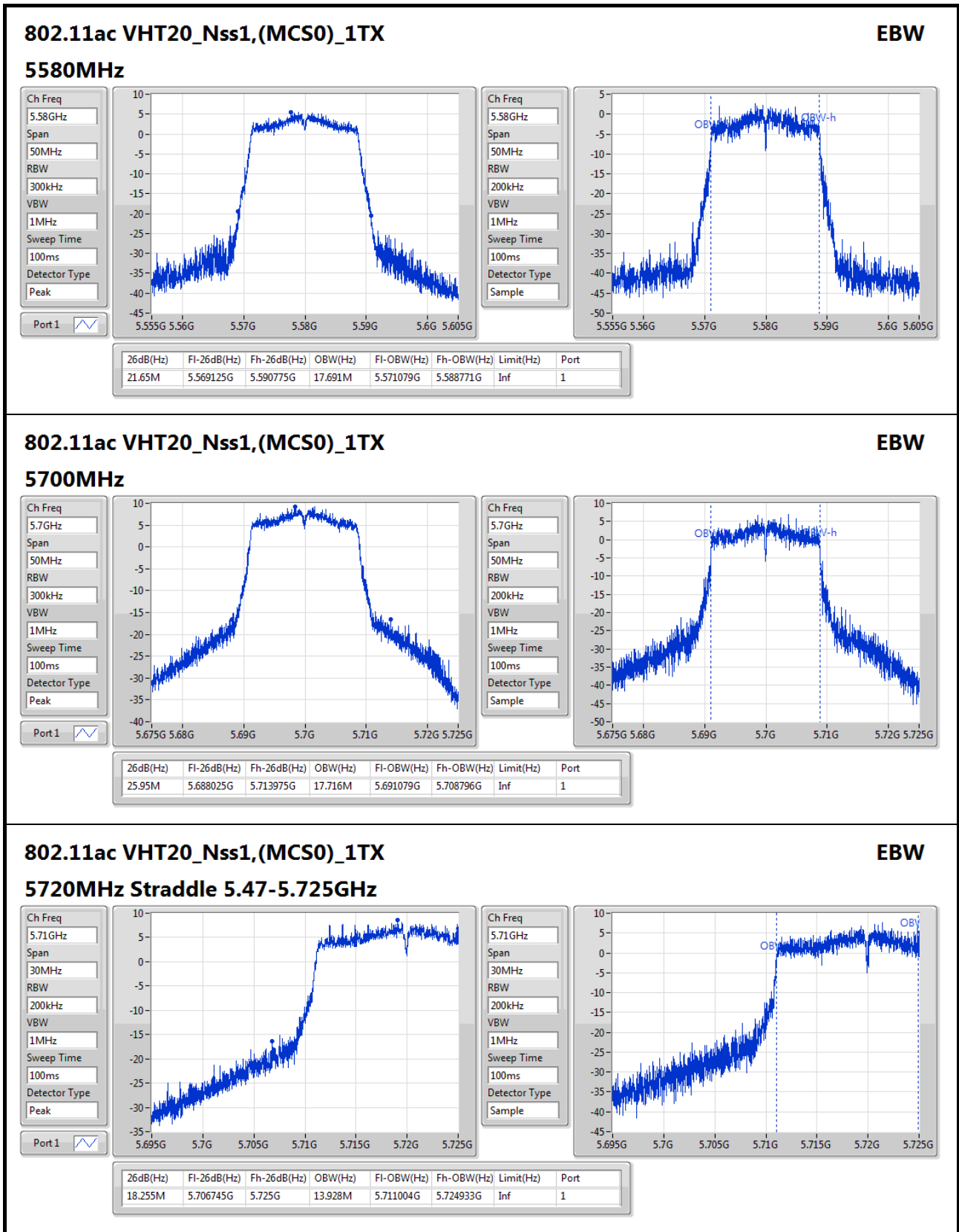










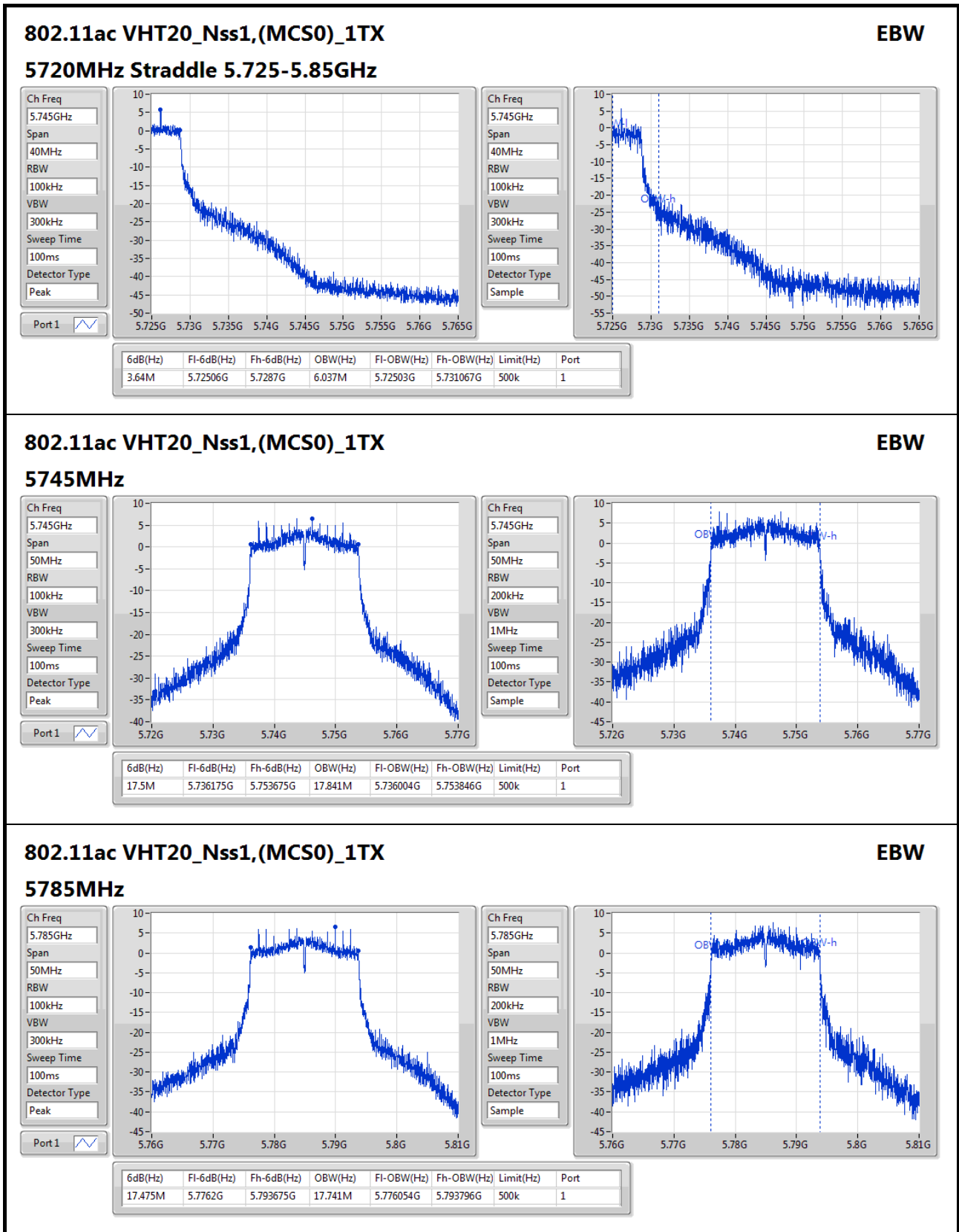

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW

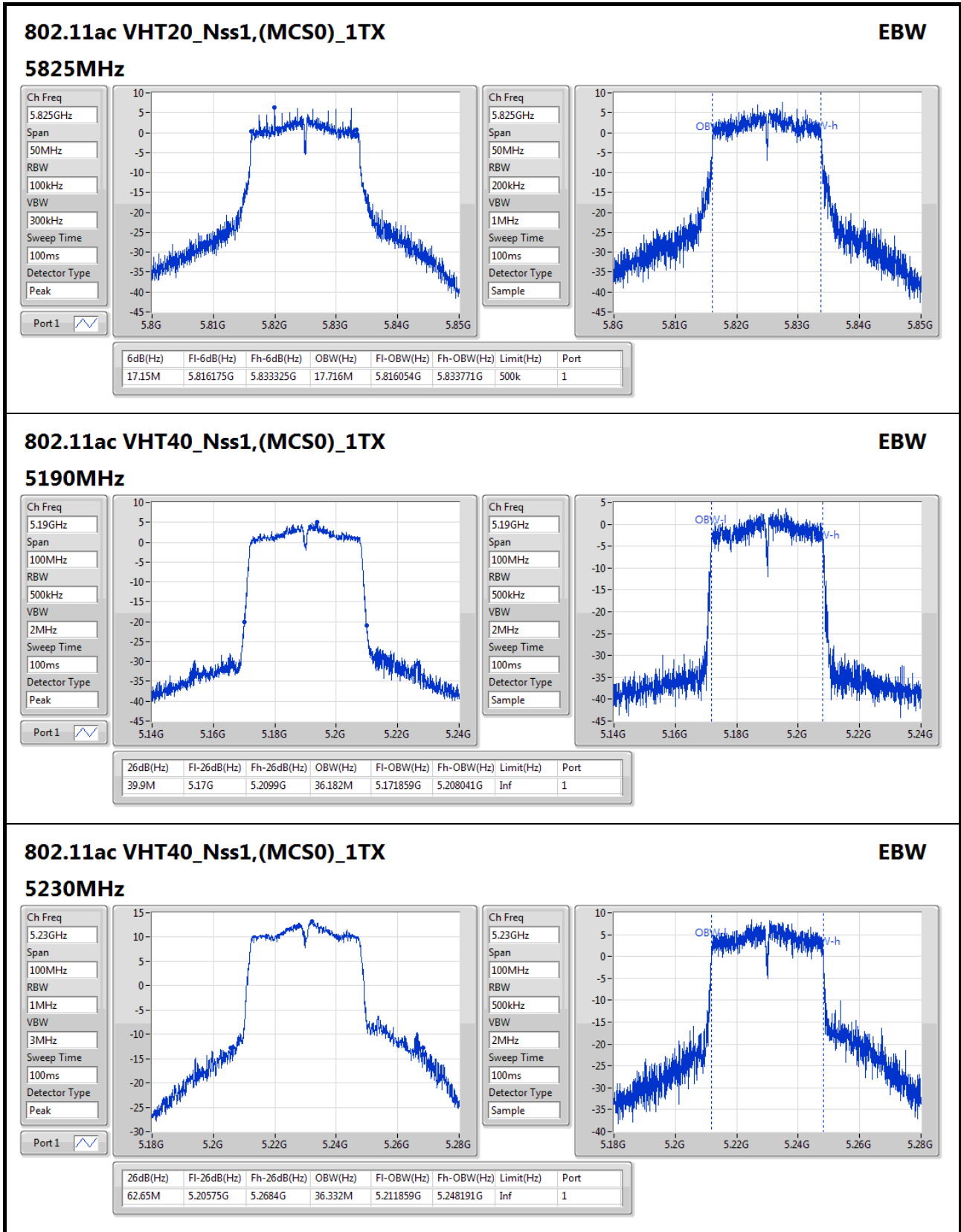
5720MHz Straddle 5.47-5.725GHz

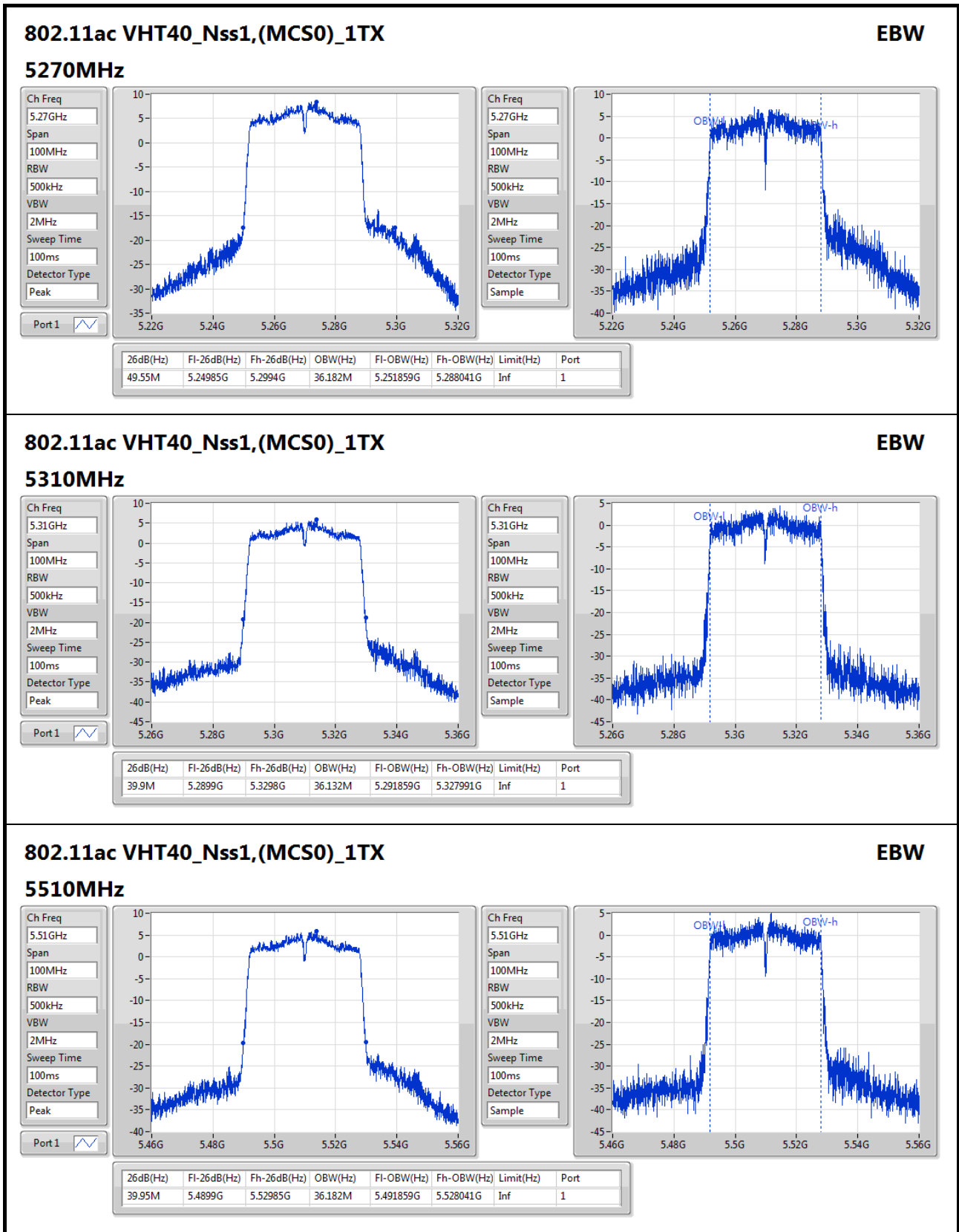
Ch Freq: 5.71GHz
Span: 30MHz
RBW: 200kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Peak

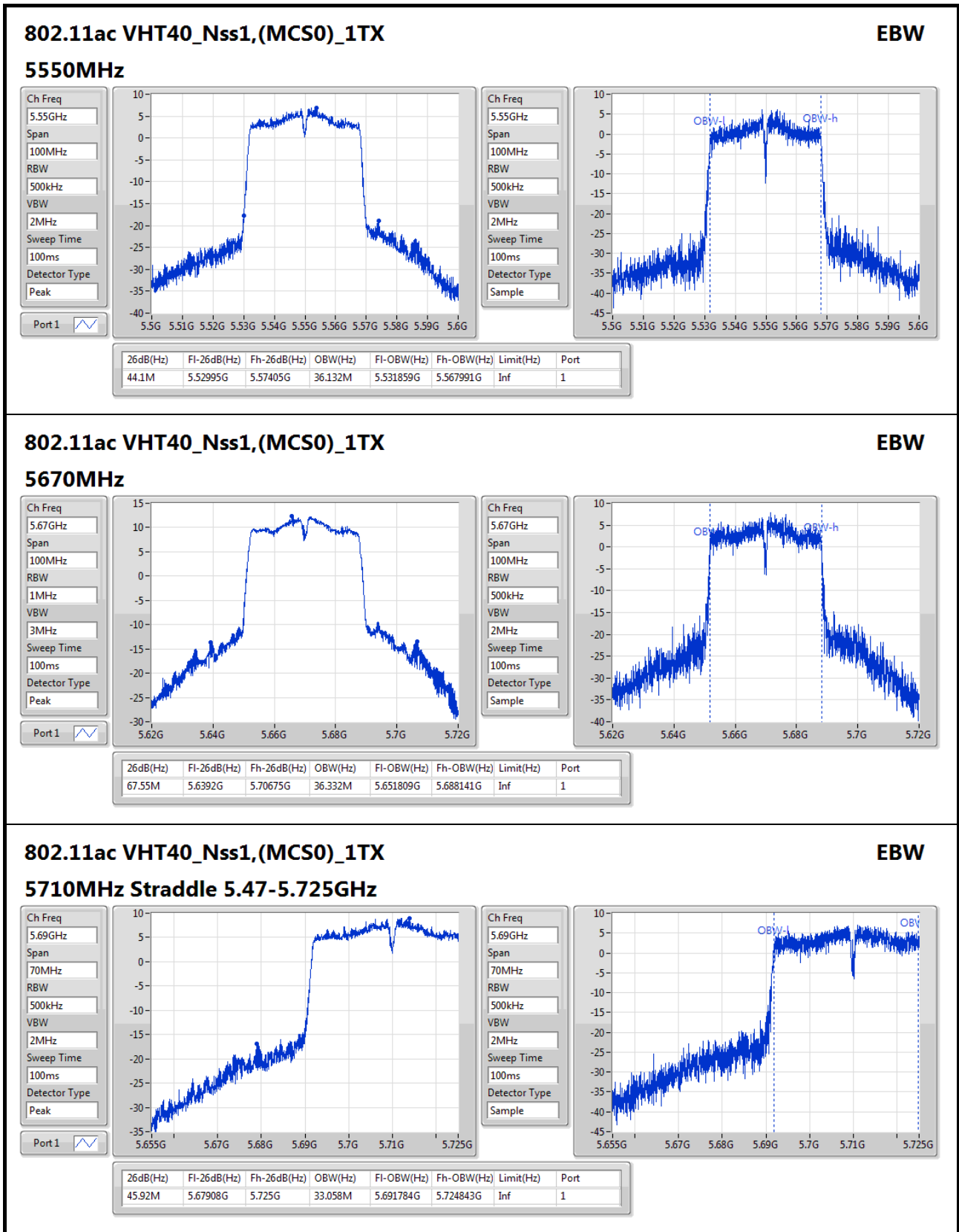
Ch Freq: 5.71GHz
Span: 30MHz
RBW: 200kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Sample

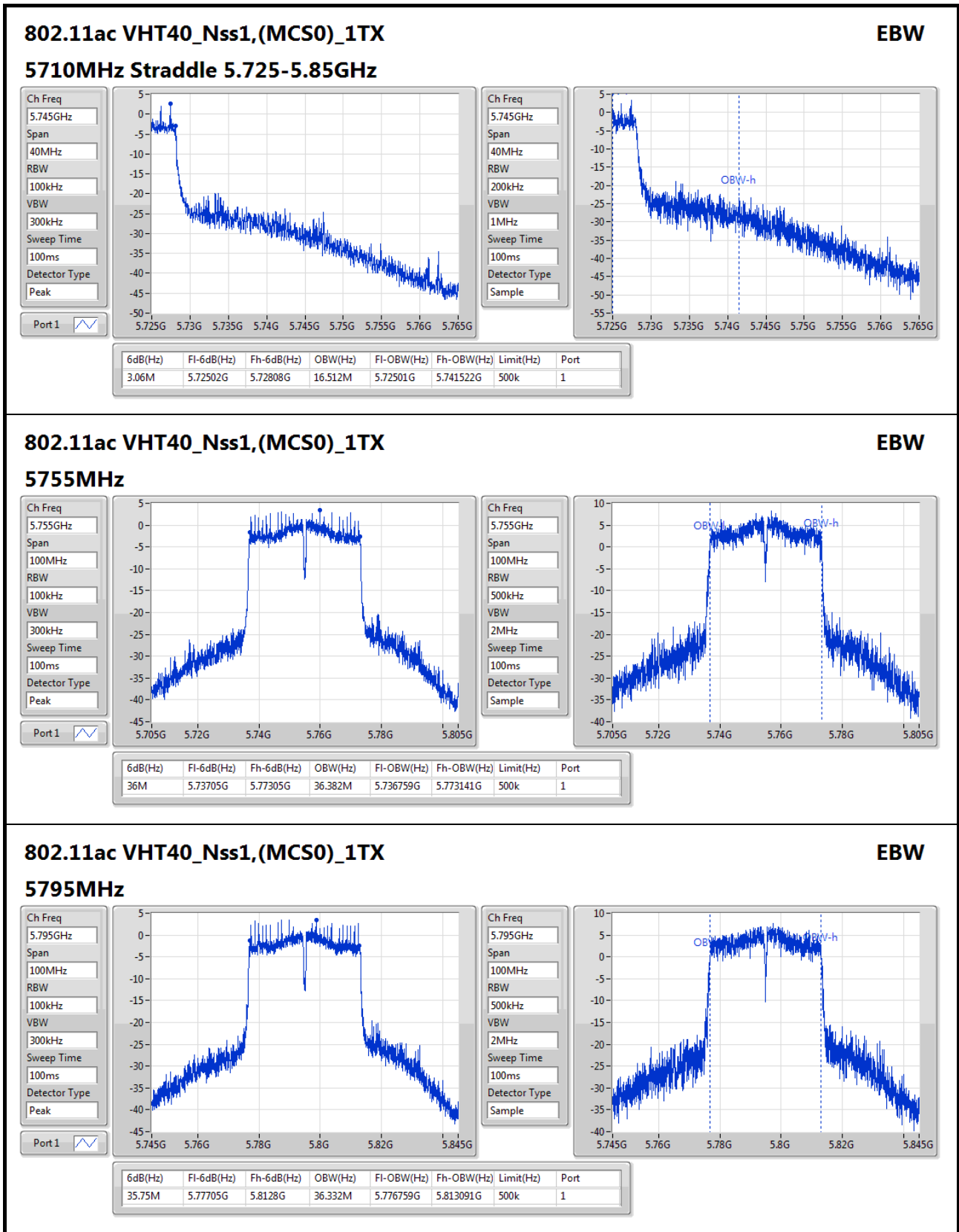
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.255M	5.706745G	5.725G	13.928M	5.711004G	5.724933G	Inf	1

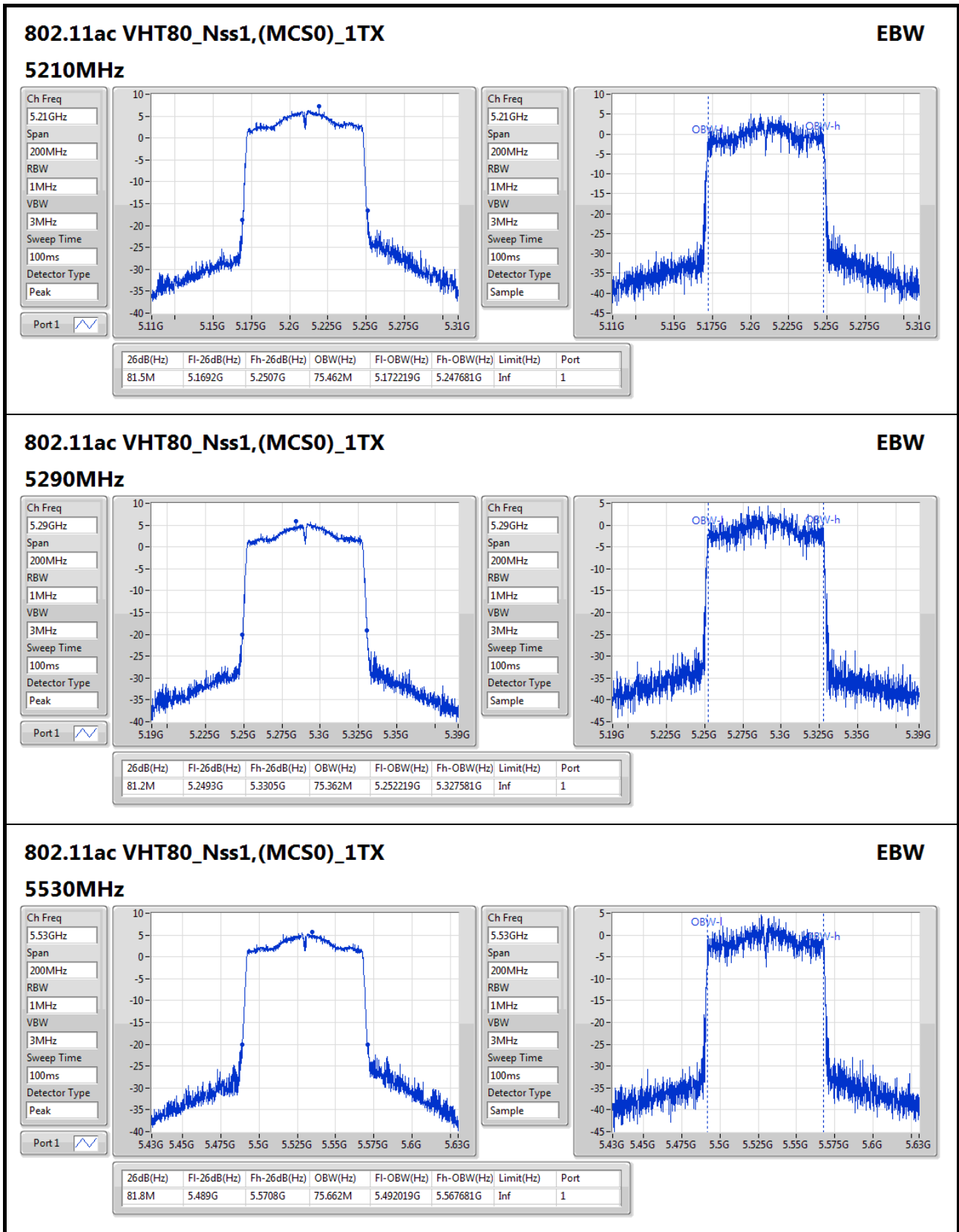


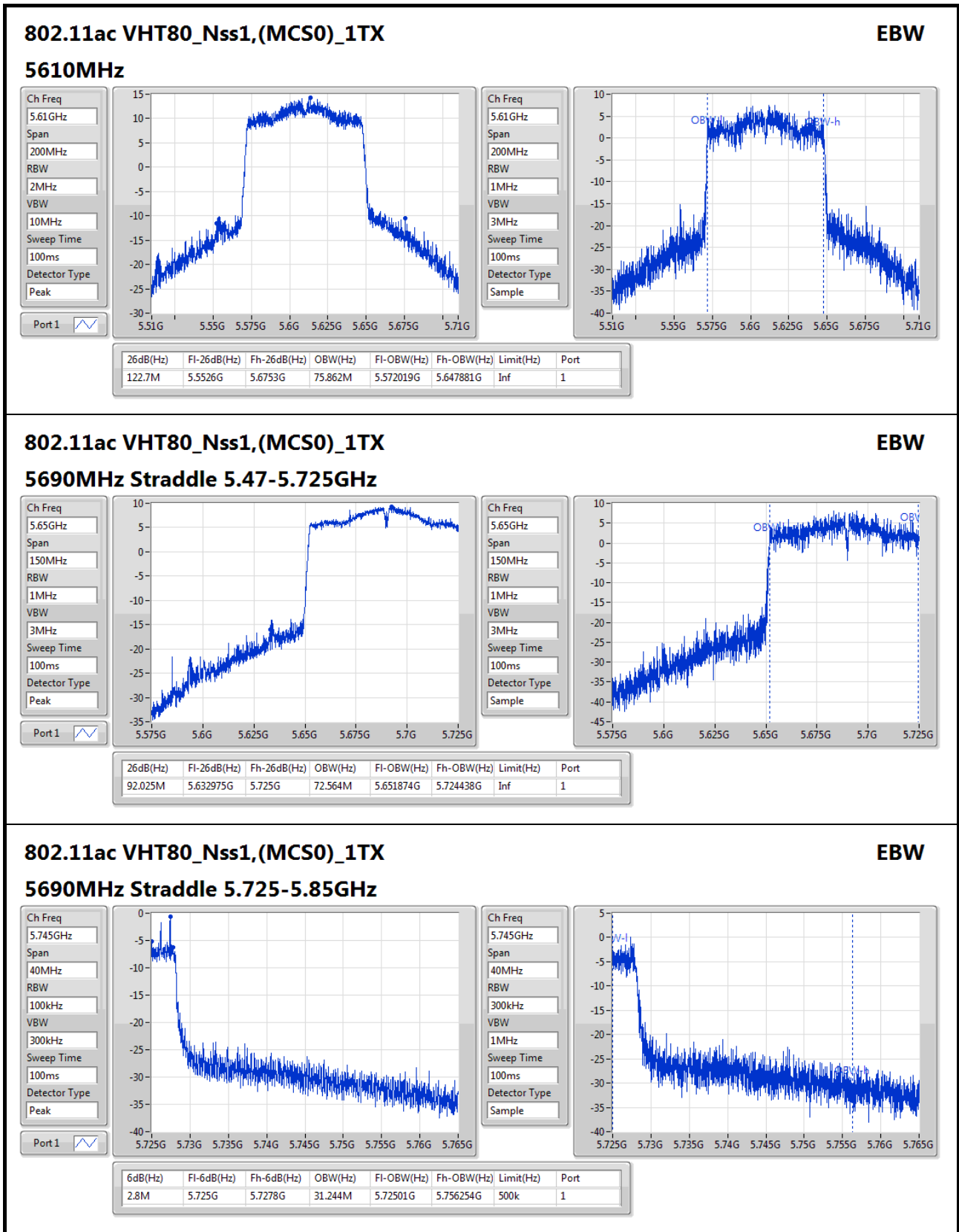


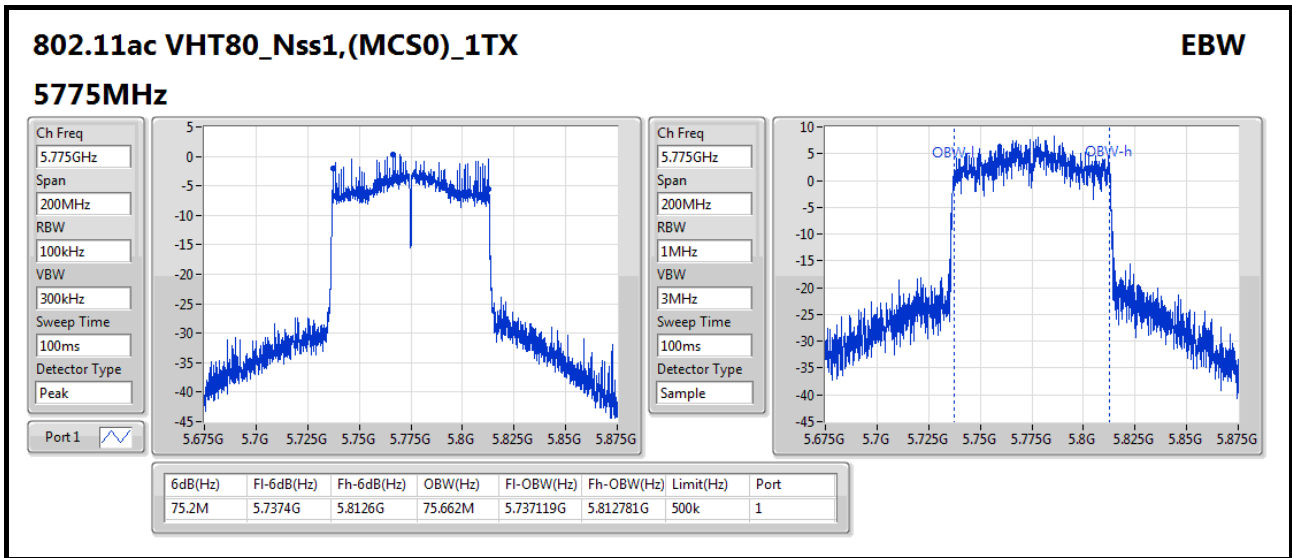














**For Radio 2 - Master mode 5GHz band 1:
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	30.3M	16.717M	16M7D1D	21.55M	16.492M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	35.7M	17.841M	17M8D1D	21.7M	17.666M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	68M	36.232M	36M2D1D	39.85M	36.182M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	81.4M	75.562M	75M6D1D	81.4M	75.562M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

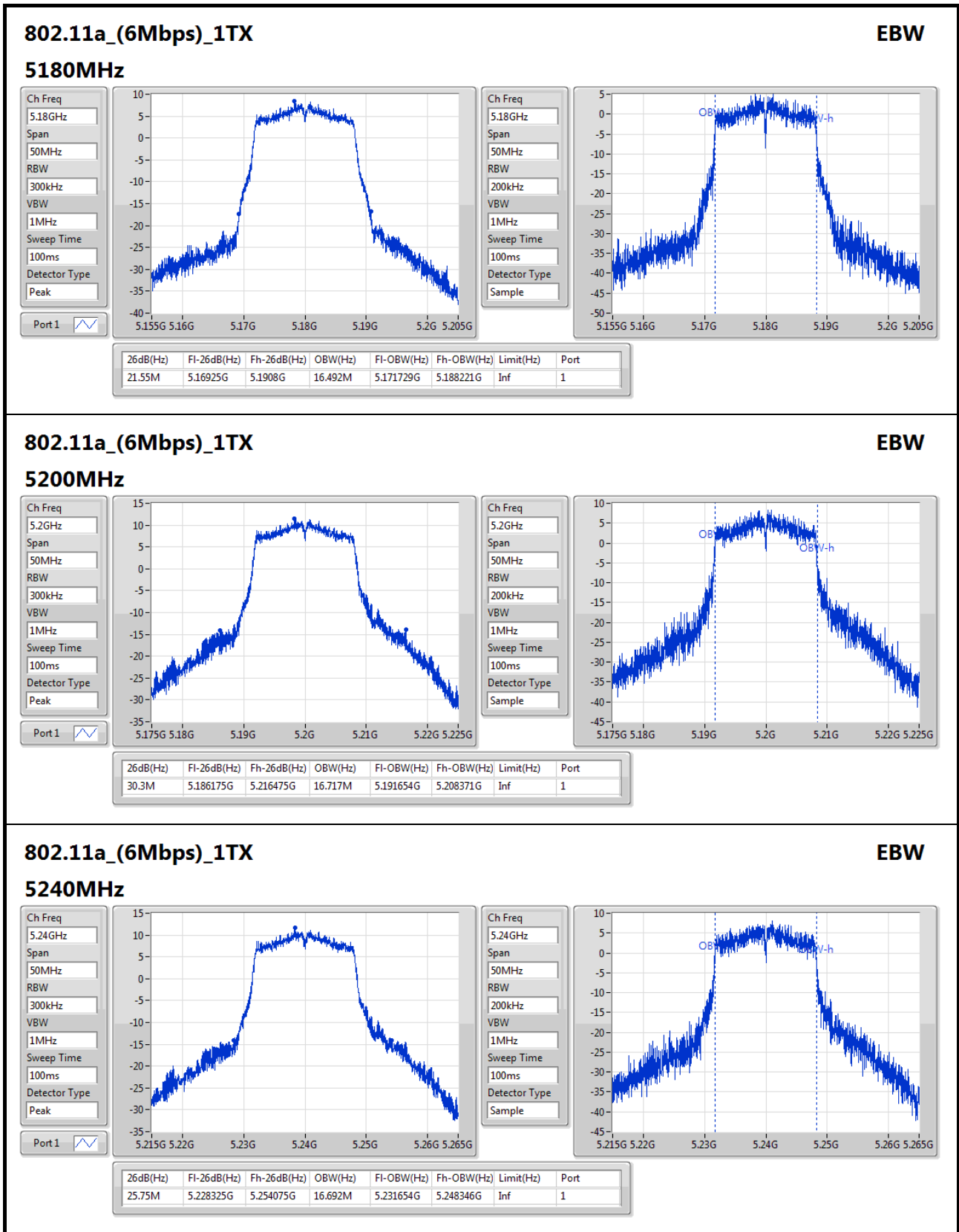


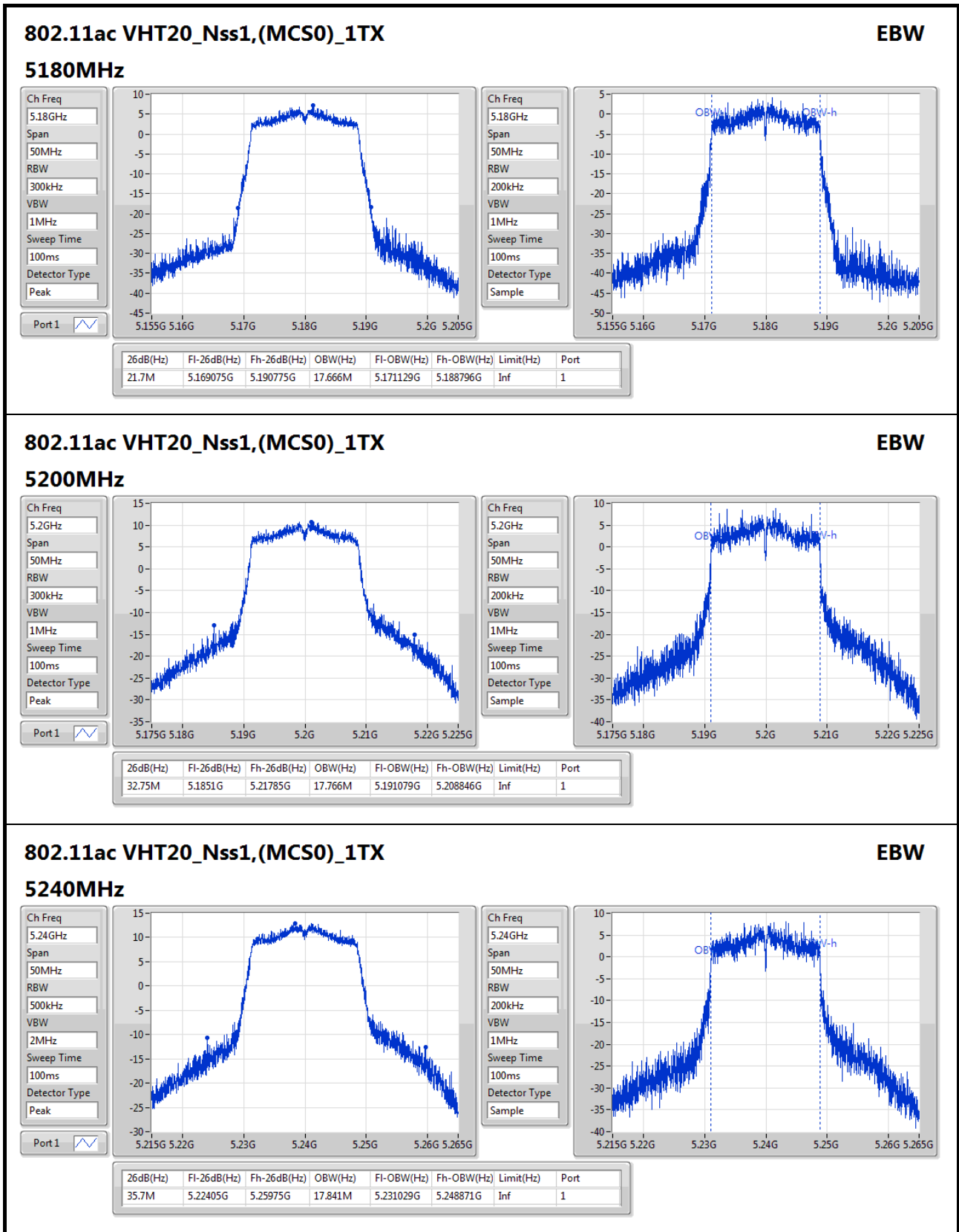
Result

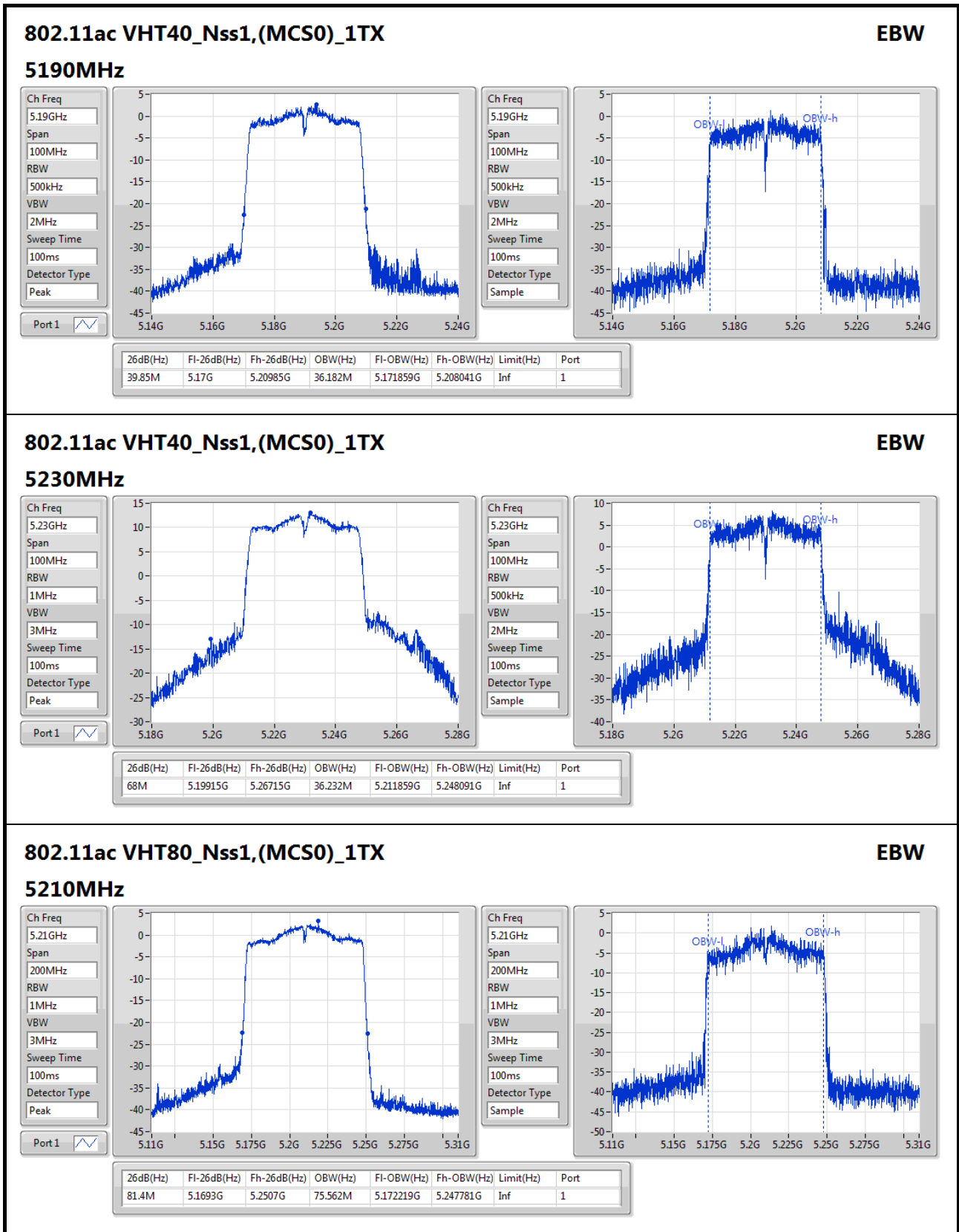
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.55M	16.492M
5200MHz	Pass	Inf	30.3M	16.717M
5240MHz	Pass	Inf	25.75M	16.692M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.7M	17.666M
5200MHz	Pass	Inf	32.75M	17.766M
5240MHz	Pass	Inf	35.7M	17.841M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.85M	36.182M
5230MHz	Pass	Inf	68M	36.232M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.4M	75.562M

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

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







**For Radio 2 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	30.3M	16.717M	16M7D1D	21.55M	16.492M
5.25-5.35GHz	32.9M	16.717M	16M7D1D	21.825M	16.517M
5.47-5.725GHz	31.65M	16.867M	16M9D1D	18.915M	13.433M
5.725-5.85GHz	16.3M	16.817M	16M8D1D	3.18M	8.676M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	35.7M	17.841M	17M8D1D	21.7M	17.666M
5.25-5.35GHz	30.825M	17.866M	17M9D1D	24.325M	17.691M
5.47-5.725GHz	39.7M	17.866M	17M9D1D	19.74M	13.943M
5.725-5.85GHz	17.3M	17.916M	17M9D1D	3.74M	8.696M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	68M	36.232M	36M2D1D	39.85M	36.182M
5.25-5.35GHz	67.9M	36.382M	36M4D1D	40.2M	36.132M
5.47-5.725GHz	69.25M	36.432M	36M4D1D	40M	33.023M
5.725-5.85GHz	35.5M	36.332M	36M3D1D	3.1M	18.951M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5.15-5.25GHz	81.4M	75.562M	75M6D1D	81.4M	75.562M
5.25-5.35GHz	81.2M	75.562M	75M6D1D	81.2M	75.562M
5.47-5.725GHz	125.2M	75.762M	75M8D1D	83.2M	72.339M
5.725-5.85GHz	75.2M	75.762M	75M8D1D	2.86M	32.544M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;



Result

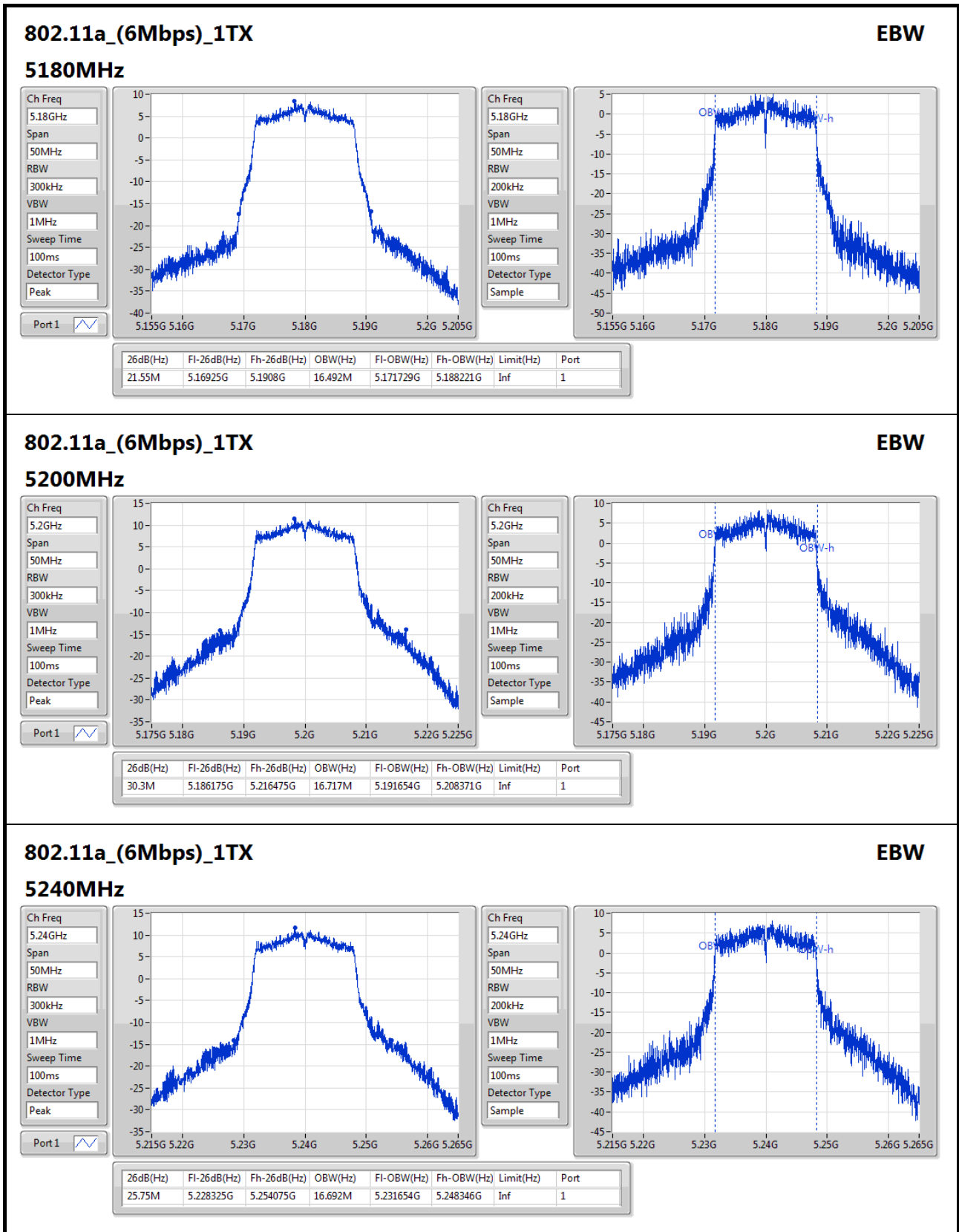
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.55M	16.492M
5200MHz	Pass	Inf	30.3M	16.717M
5240MHz	Pass	Inf	25.75M	16.692M
5260MHz	Pass	Inf	30.25M	16.642M
5300MHz	Pass	Inf	32.9M	16.717M
5320MHz	Pass	Inf	21.825M	16.517M
5500MHz	Pass	Inf	21.6M	16.517M
5580MHz	Pass	Inf	31.65M	16.867M
5700MHz	Pass	Inf	21.8M	16.567M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.915M	13.433M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	8.676M
5745MHz	Pass	500k	16.3M	16.817M
5785MHz	Pass	500k	16.3M	16.767M
5825MHz	Pass	500k	16.275M	16.742M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.7M	17.666M
5200MHz	Pass	Inf	32.75M	17.766M
5240MHz	Pass	Inf	35.7M	17.841M
5260MHz	Pass	Inf	27.875M	17.866M
5300MHz	Pass	Inf	30.825M	17.816M
5320MHz	Pass	Inf	24.325M	17.691M
5500MHz	Pass	Inf	23.675M	17.666M
5580MHz	Pass	Inf	39.7M	17.866M
5700MHz	Pass	Inf	24.675M	17.741M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.74M	13.943M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	8.696M
5745MHz	Pass	500k	17.225M	17.866M
5785MHz	Pass	500k	17.3M	17.866M
5825MHz	Pass	500k	17.125M	17.916M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.85M	36.182M
5230MHz	Pass	Inf	68M	36.232M
5270MHz	Pass	Inf	67.9M	36.382M
5310MHz	Pass	Inf	40.2M	36.132M
5510MHz	Pass	Inf	40M	36.132M
5550MHz	Pass	Inf	69.25M	36.432M
5670MHz	Pass	Inf	60.25M	36.132M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	46.025M	33.023M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	18.951M
5755MHz	Pass	500k	35.45M	36.332M
5795MHz	Pass	500k	35.5M	36.332M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-

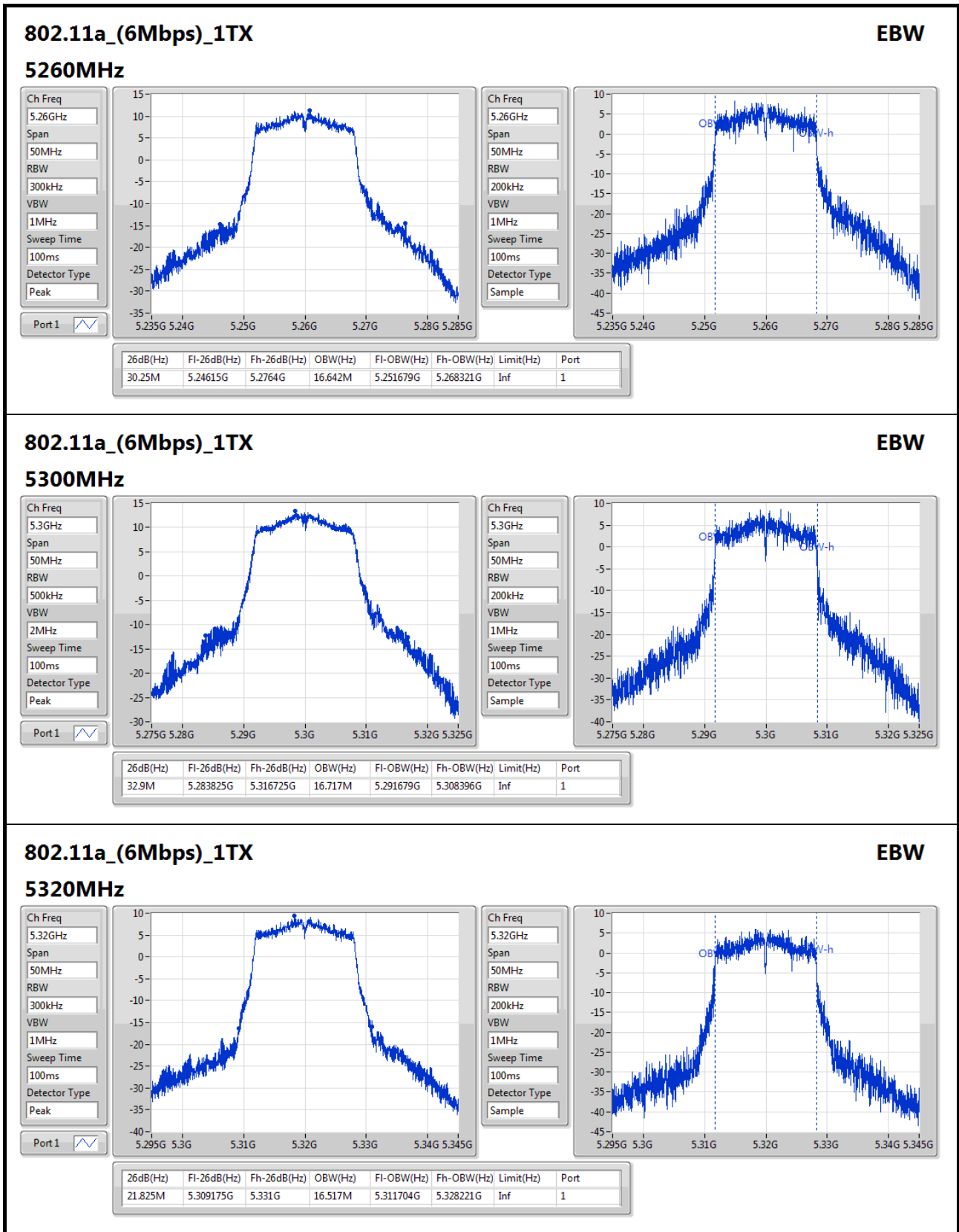


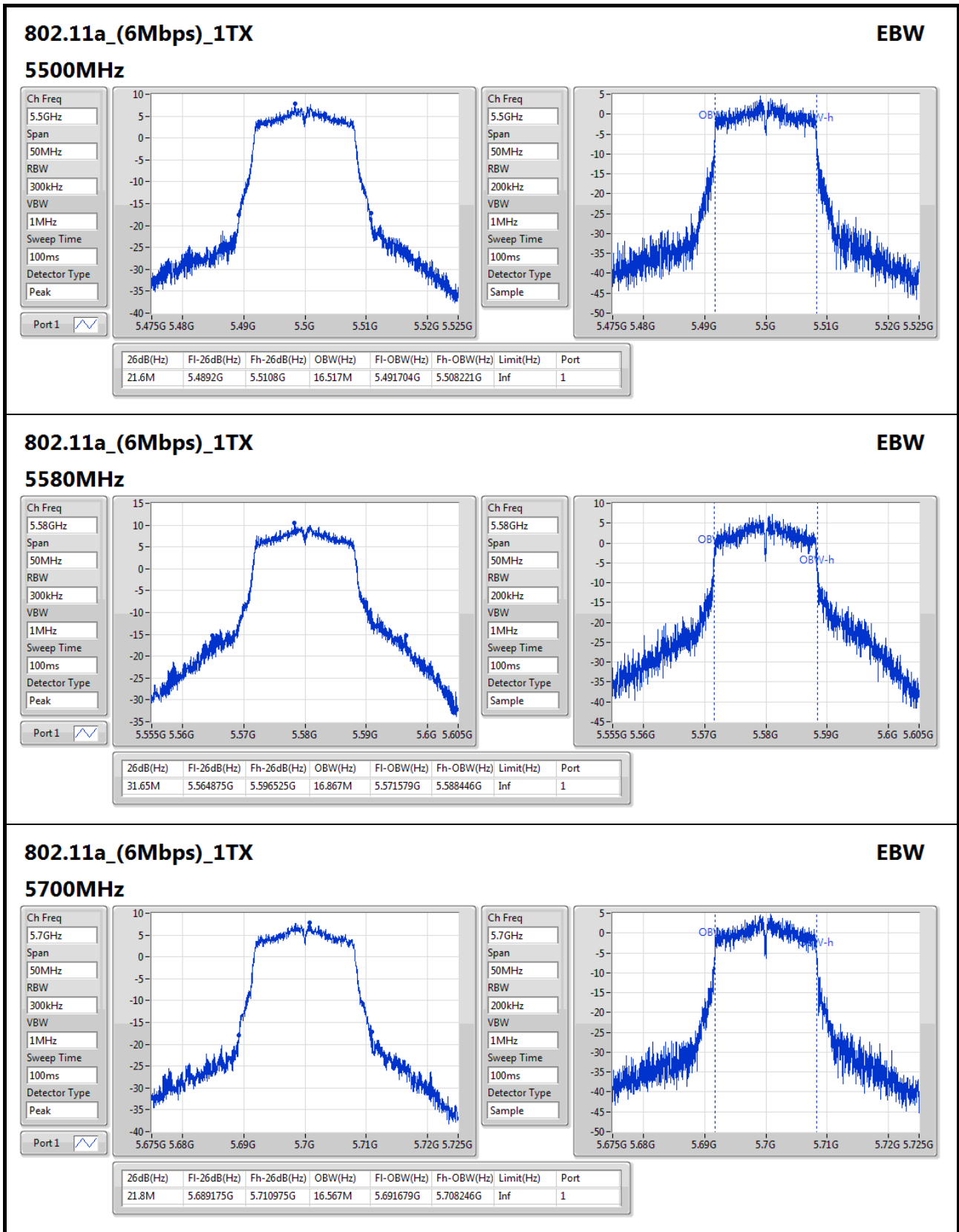
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5210MHz	Pass	Inf	81.4M	75.562M
5290MHz	Pass	Inf	81.2M	75.562M
5530MHz	Pass	Inf	83.2M	75.562M
5610MHz	Pass	Inf	125.2M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	94.275M	72.339M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.86M	32.544M
5775MHz	Pass	500k	75.2M	75.762M

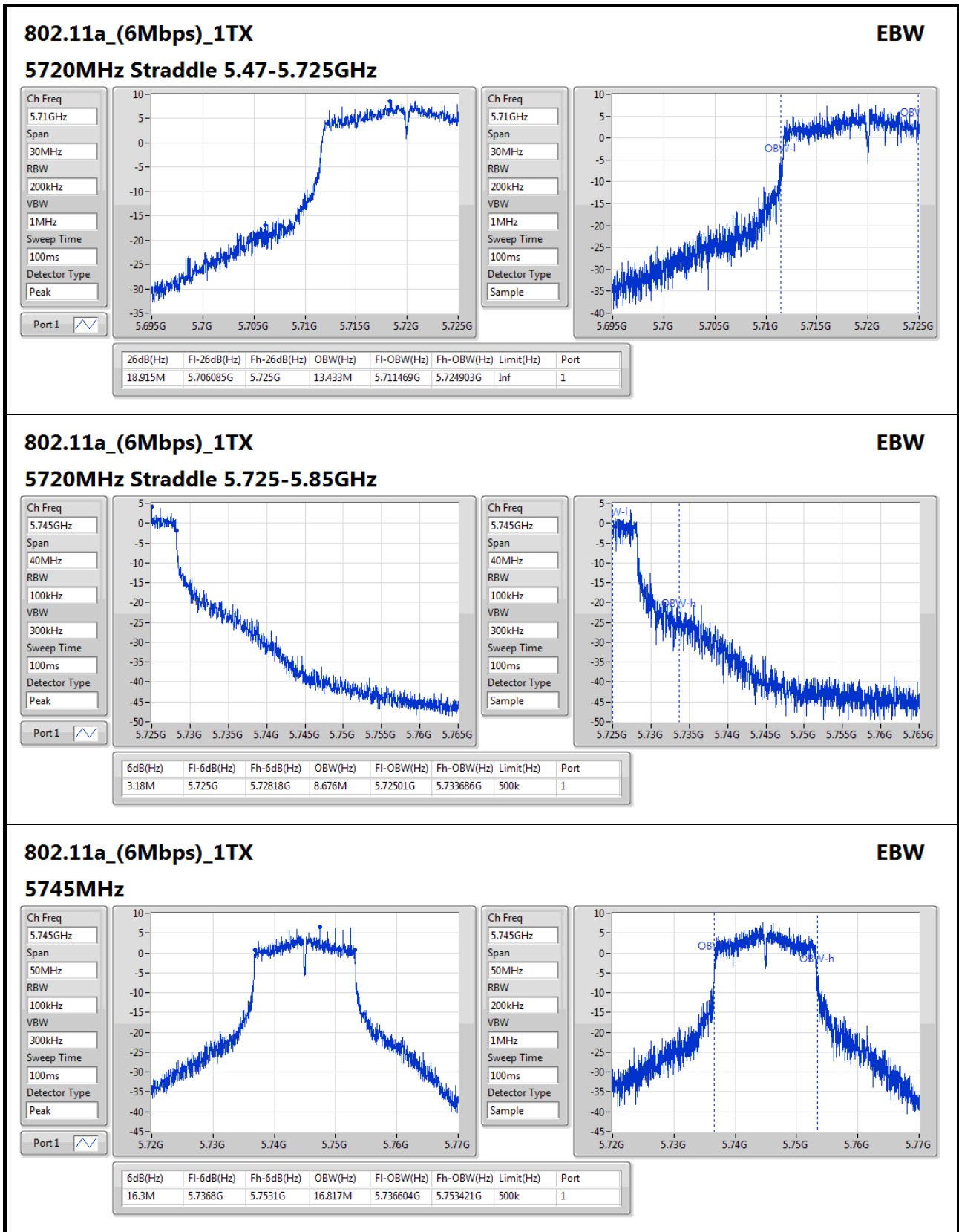
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

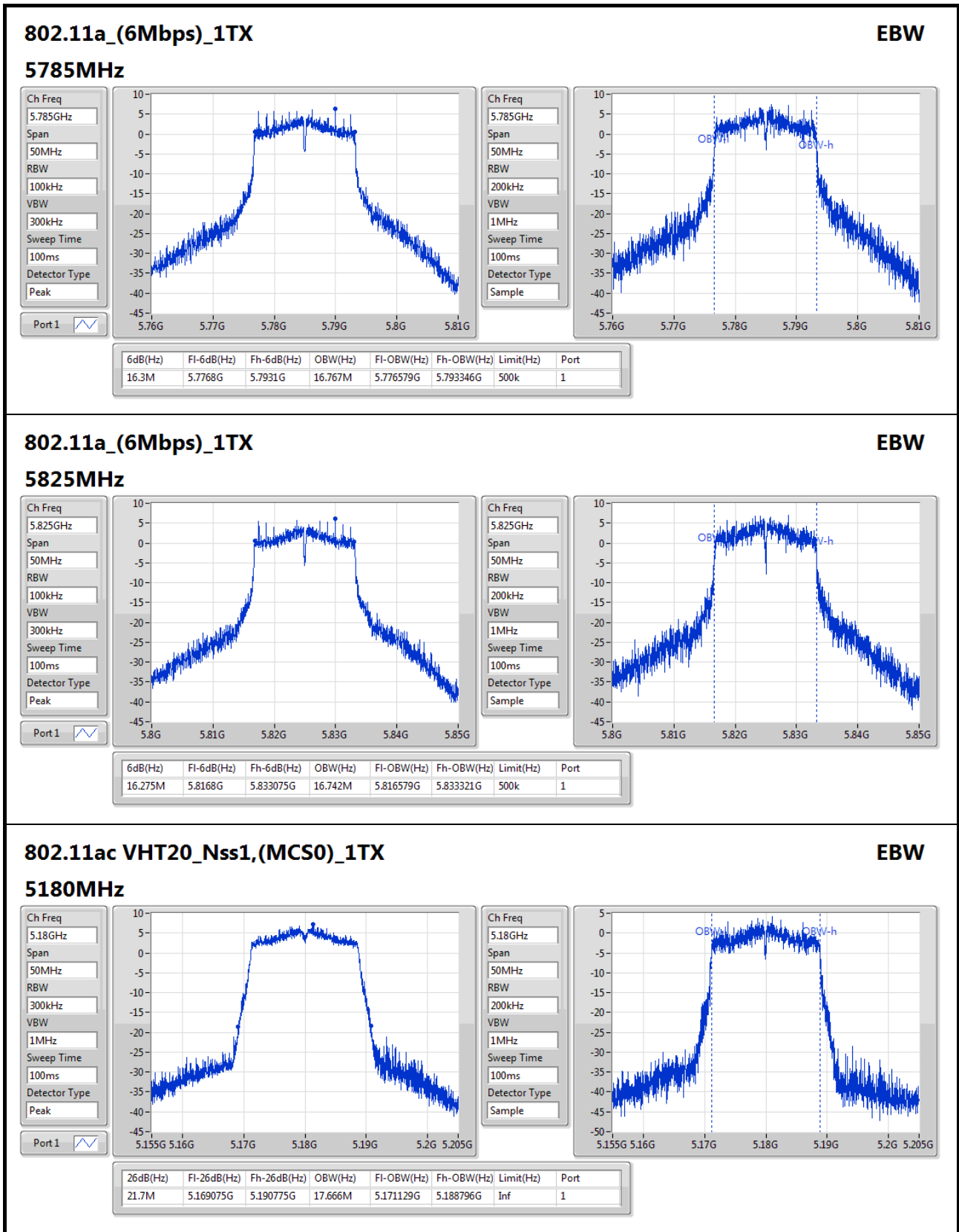
Port X-OBW = Port X 99% occupied bandwidth;

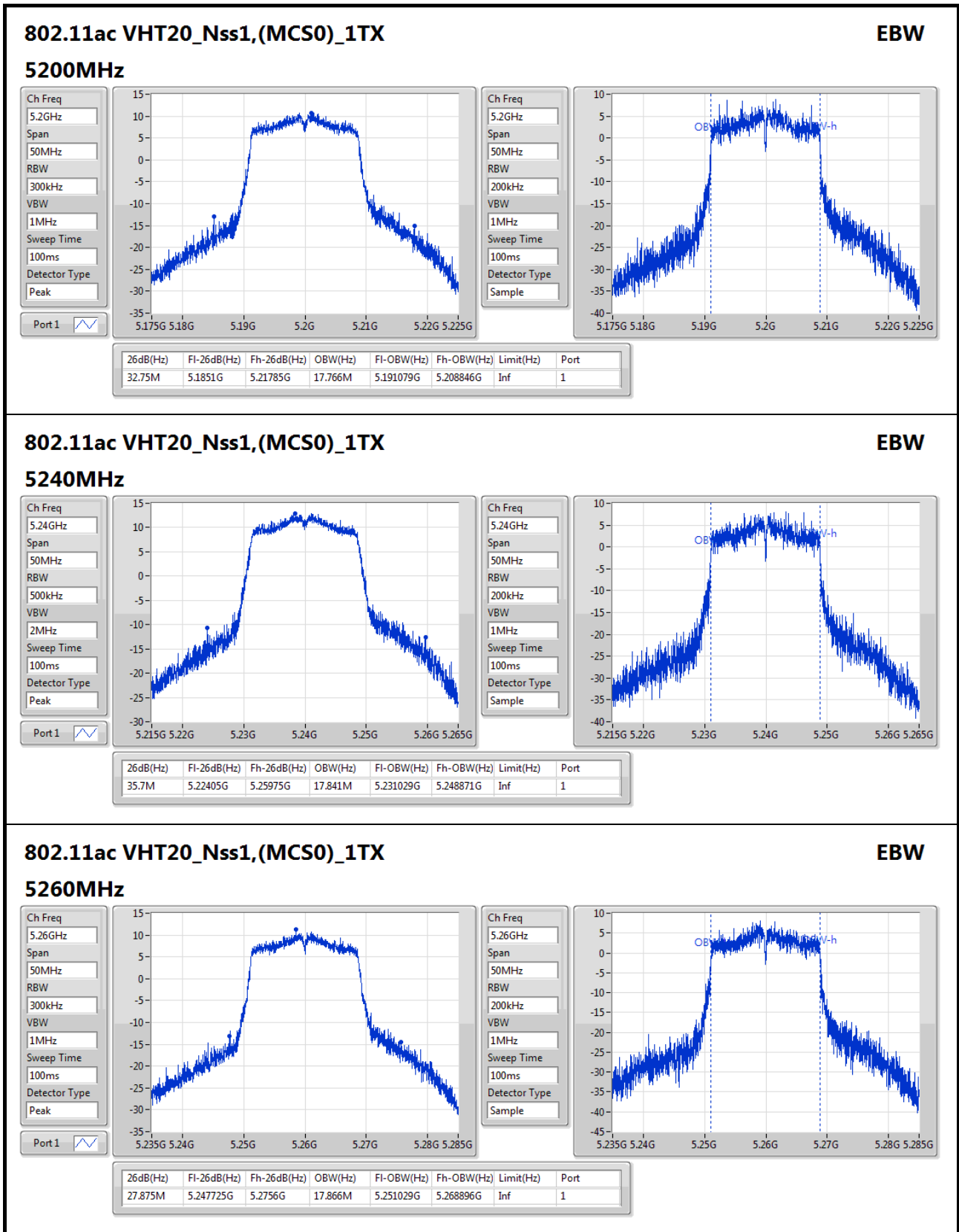










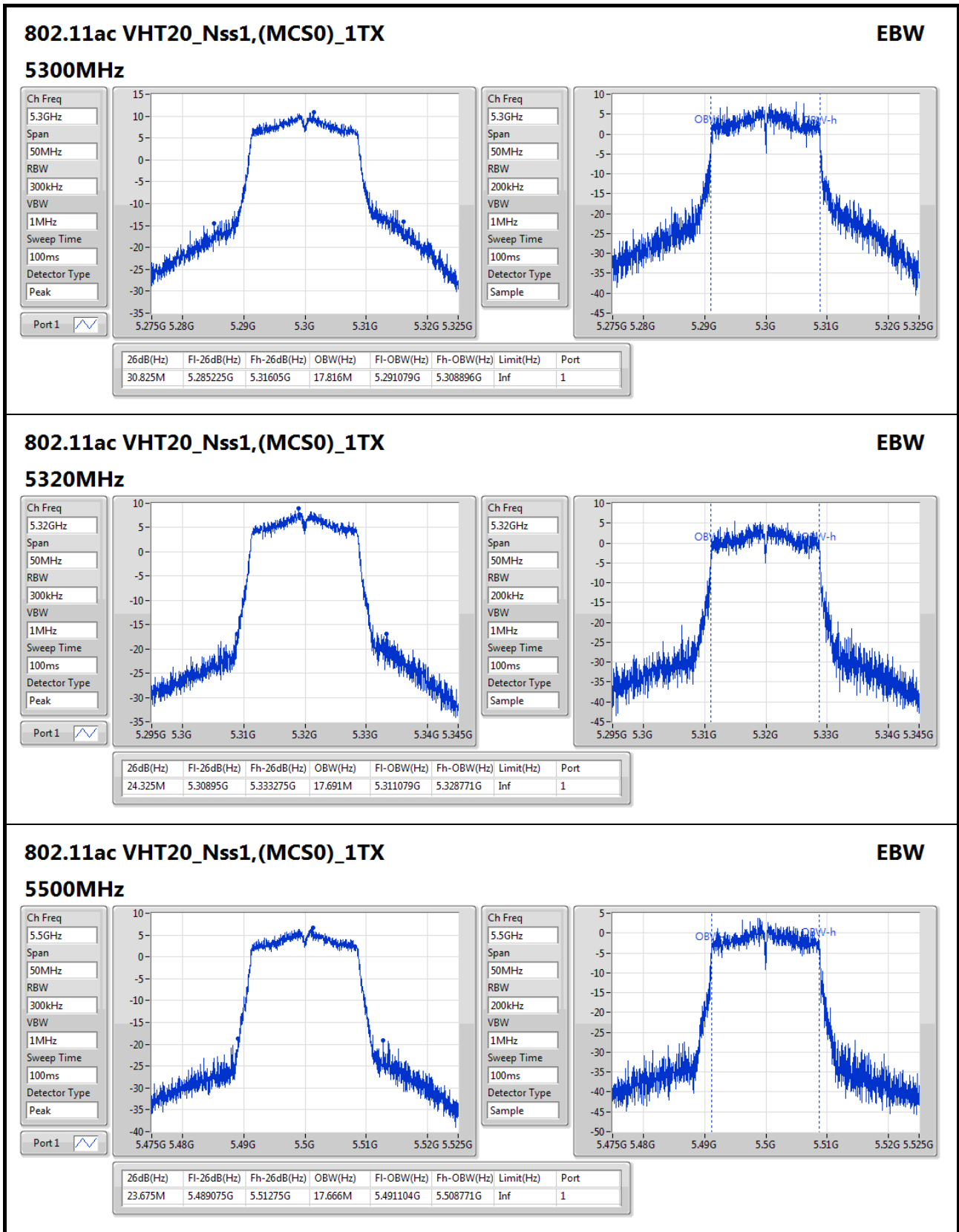

802.11ac VHT20_Nss1,(MCS0)_1TX
EBW

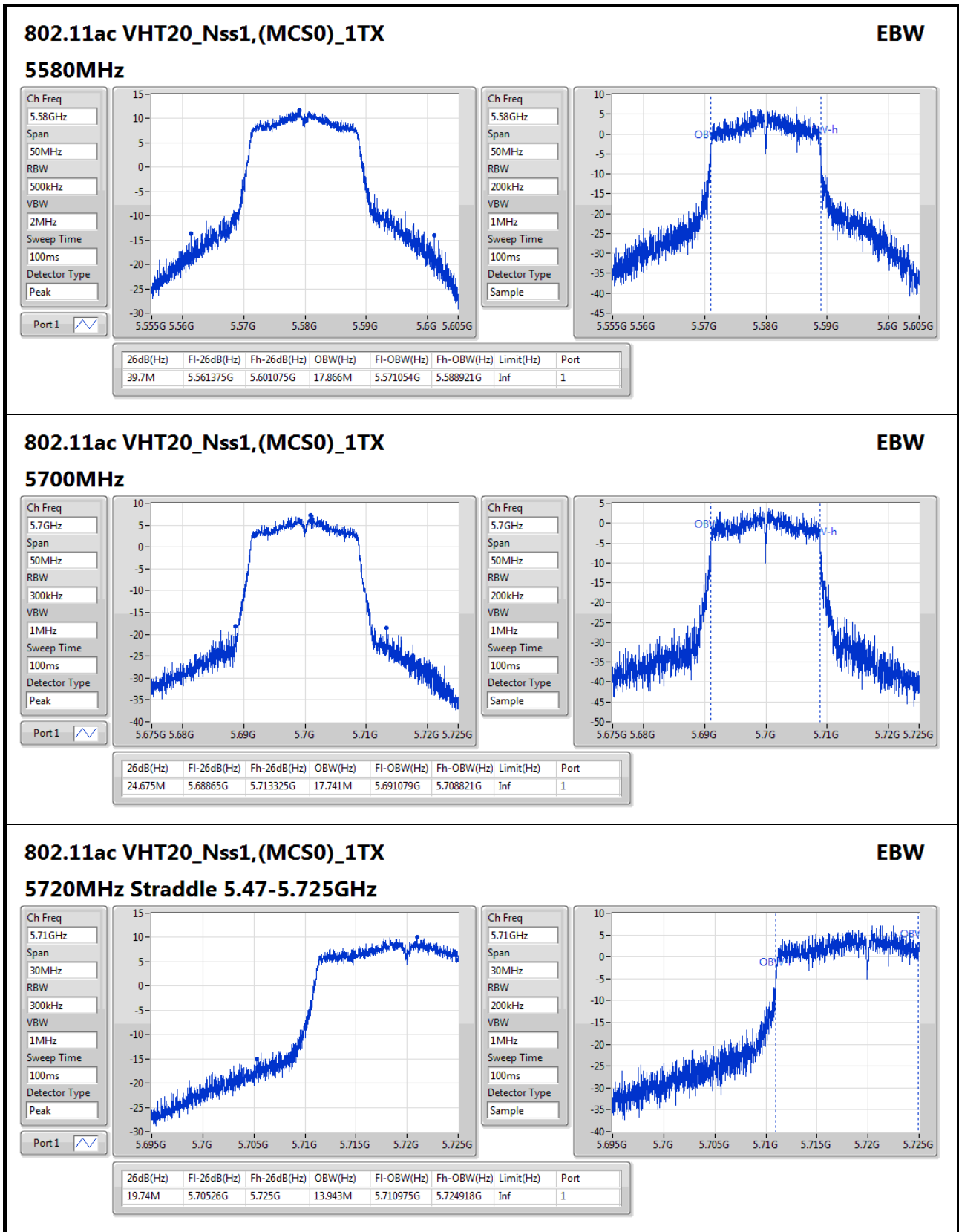
5260MHz

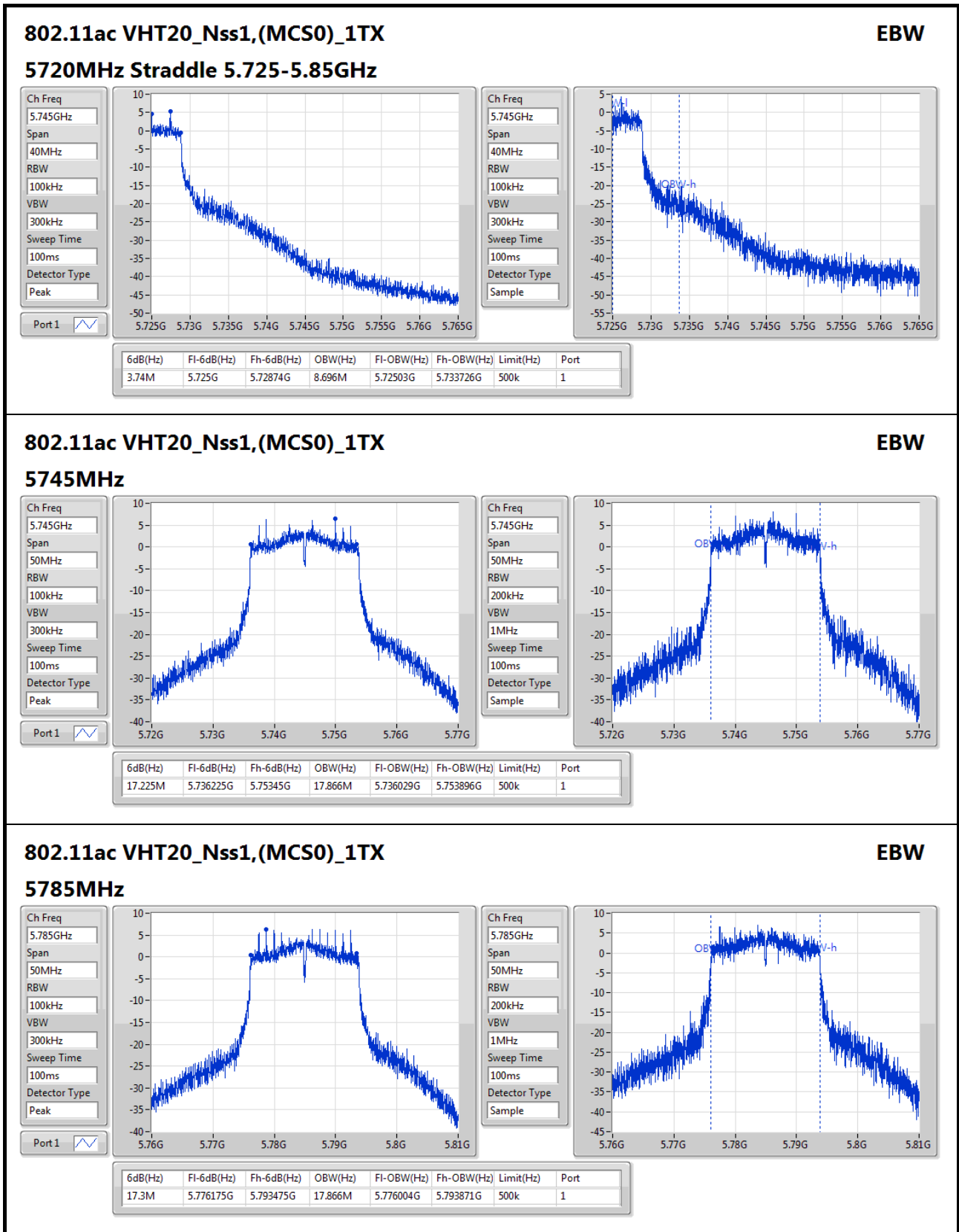
Ch Freq: 5.26GHz
Span: 50MHz
RBW: 300kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Peak

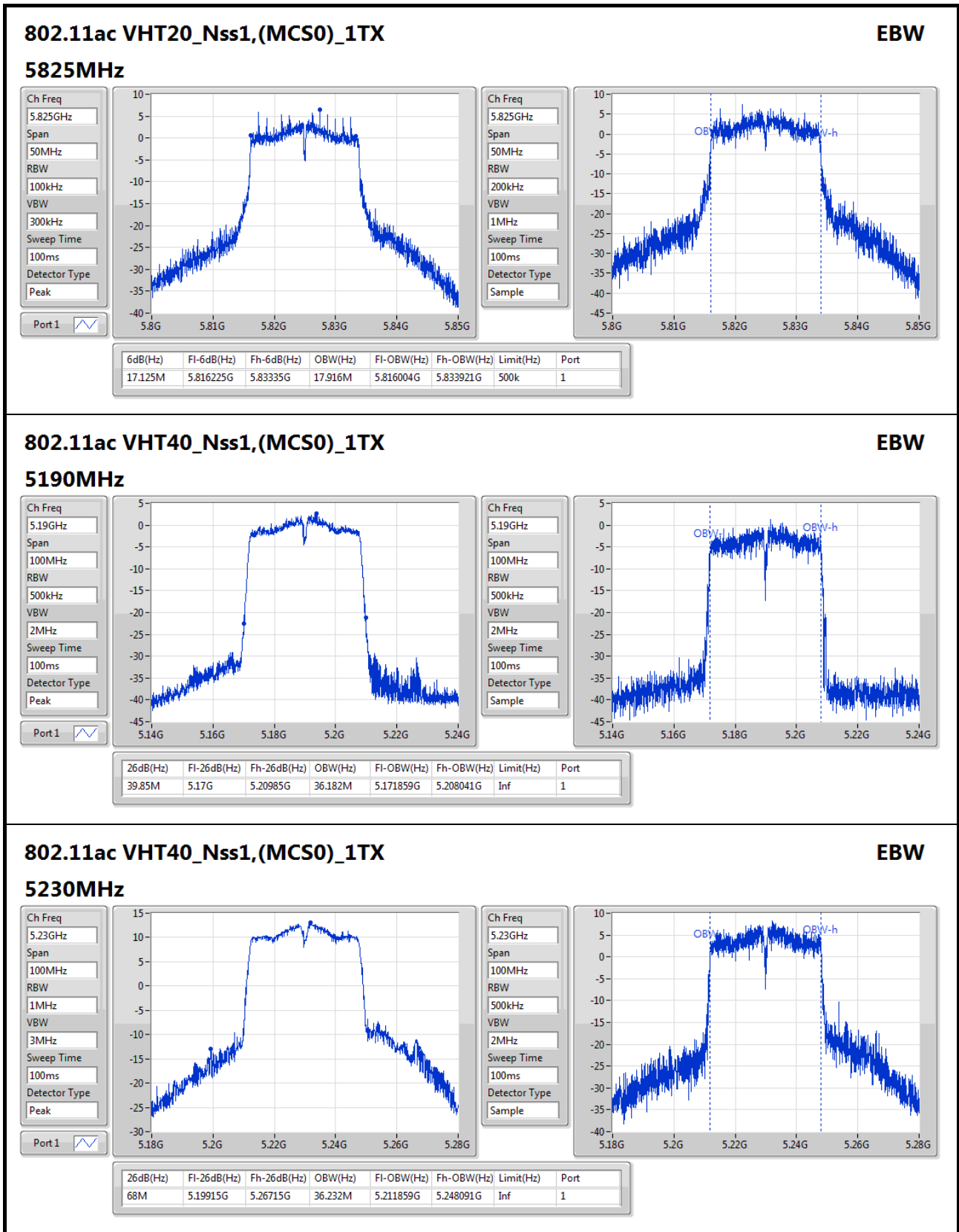
Ch Freq: 5.26GHz
Span: 50MHz
RBW: 200kHz
VBW: 1MHz
Sweep Time: 100ms
Detector Type: Sample

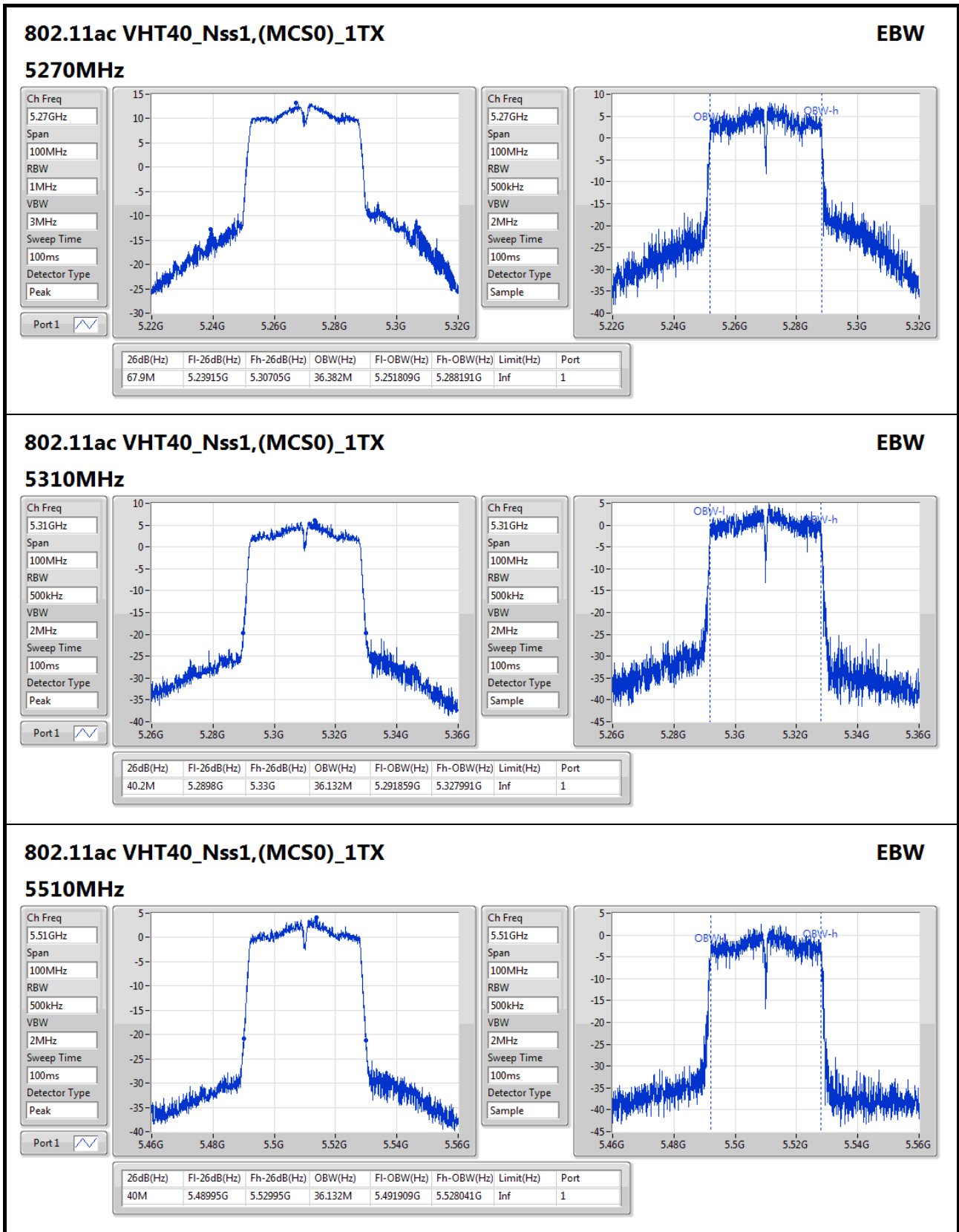
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.875M	5.247725G	5.2756G	17.866M	5.251029G	5.268896G	Inf	1

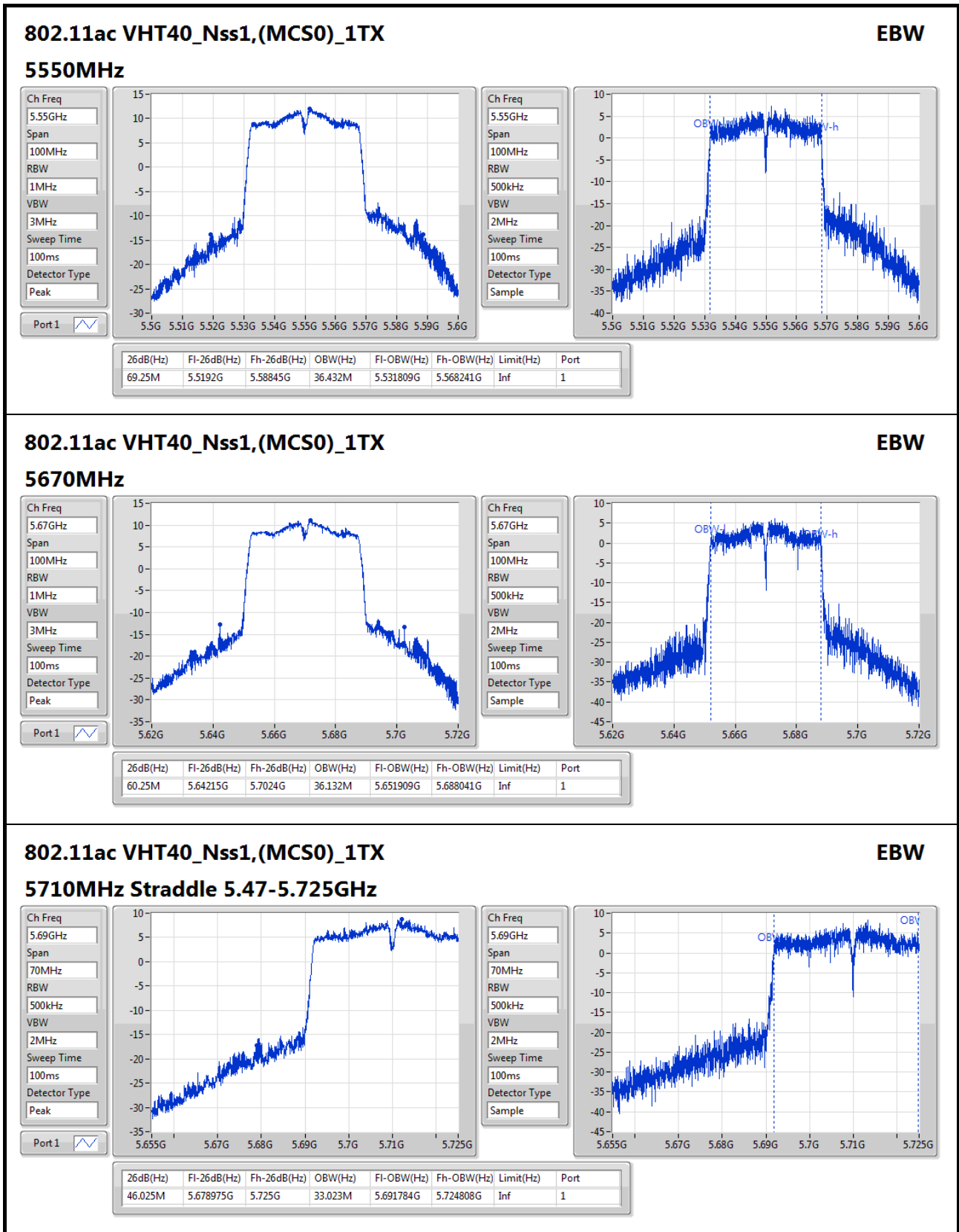


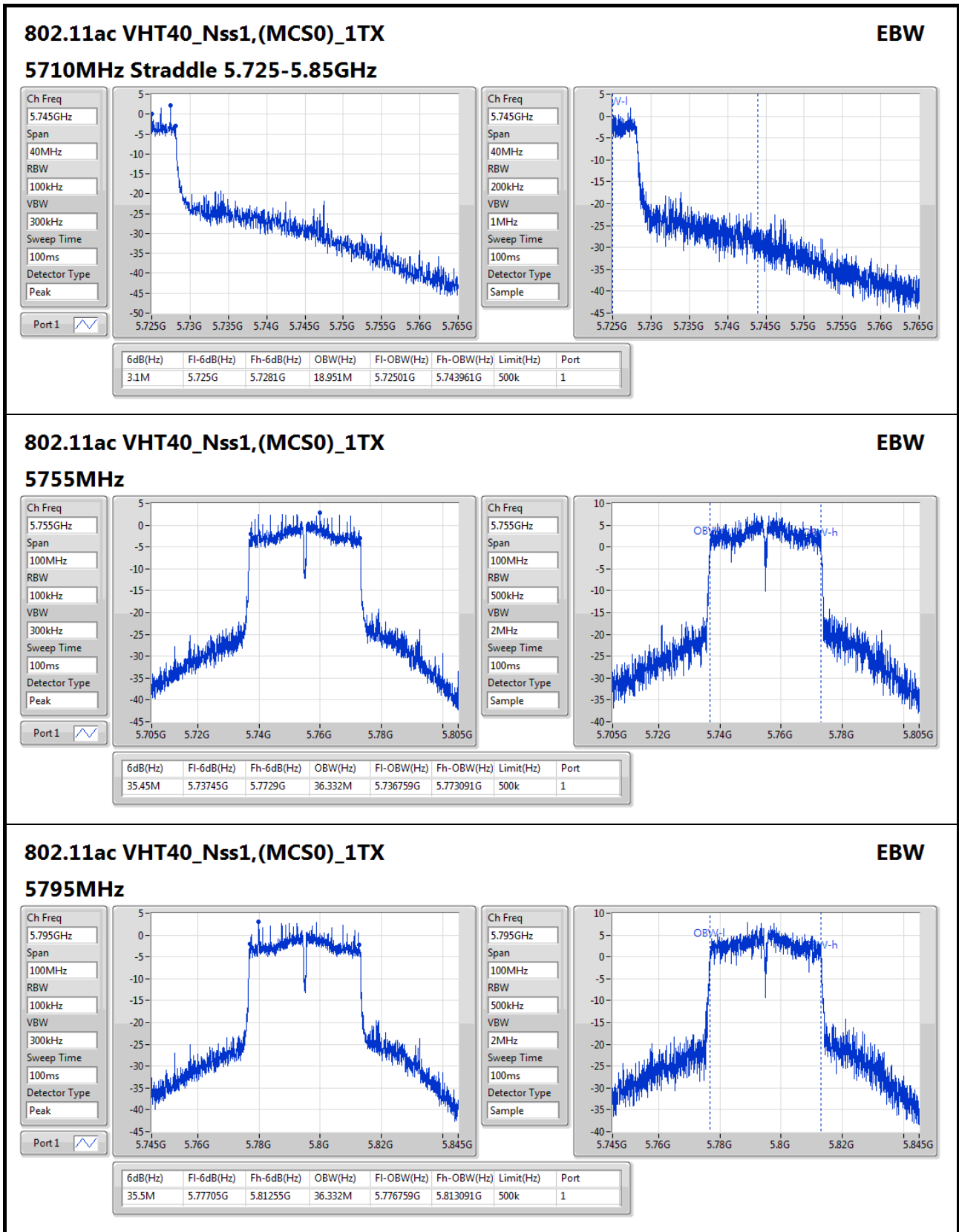


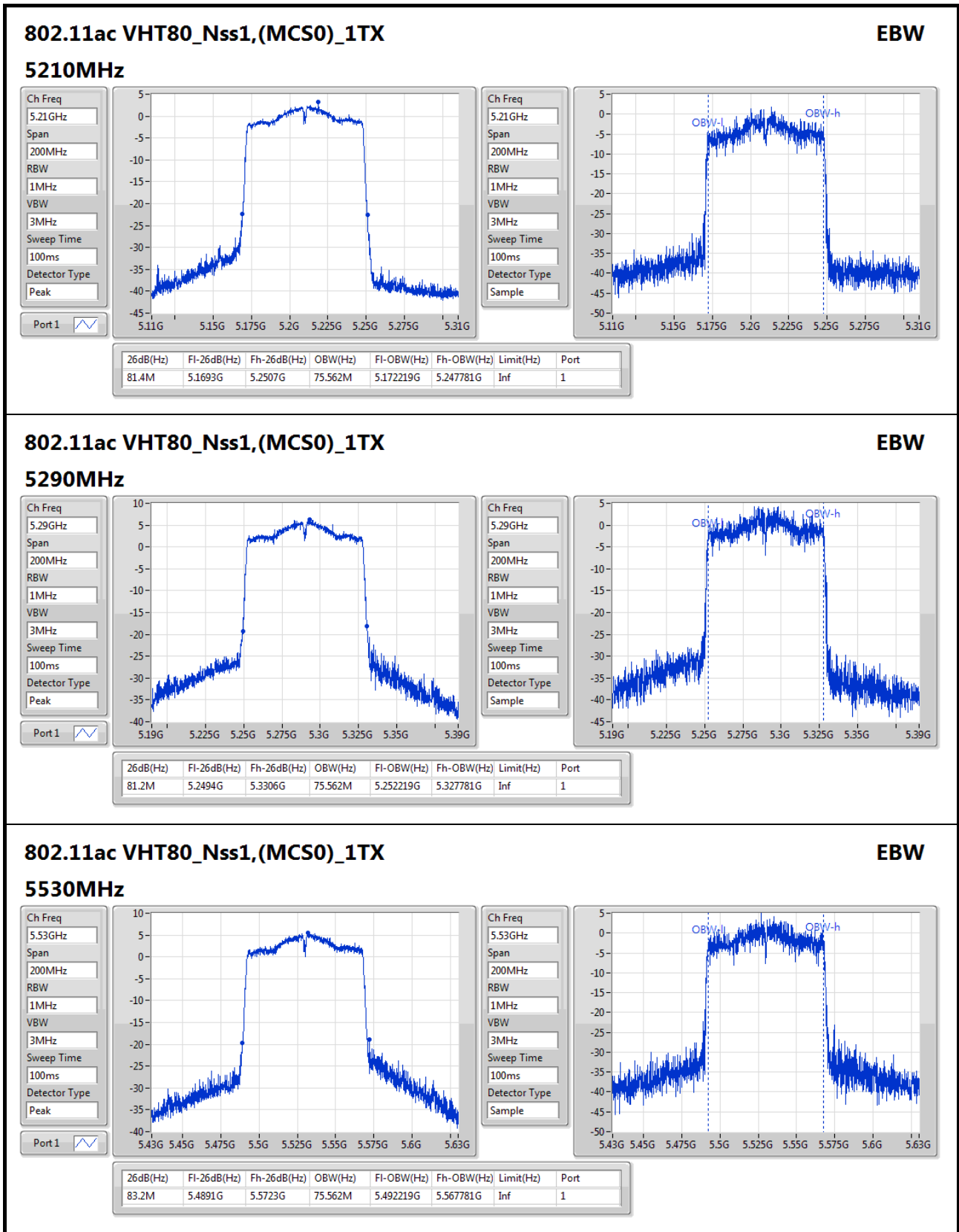


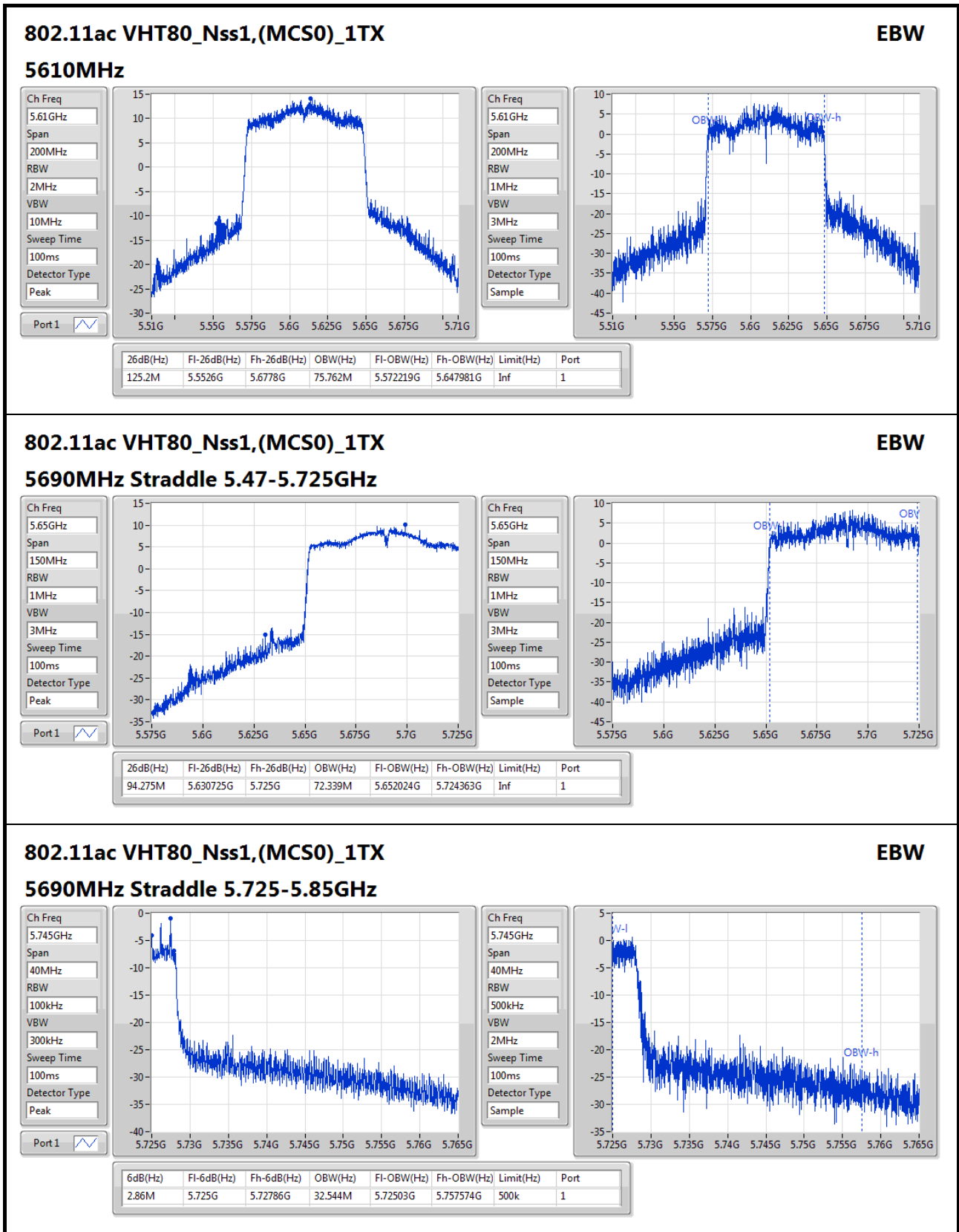


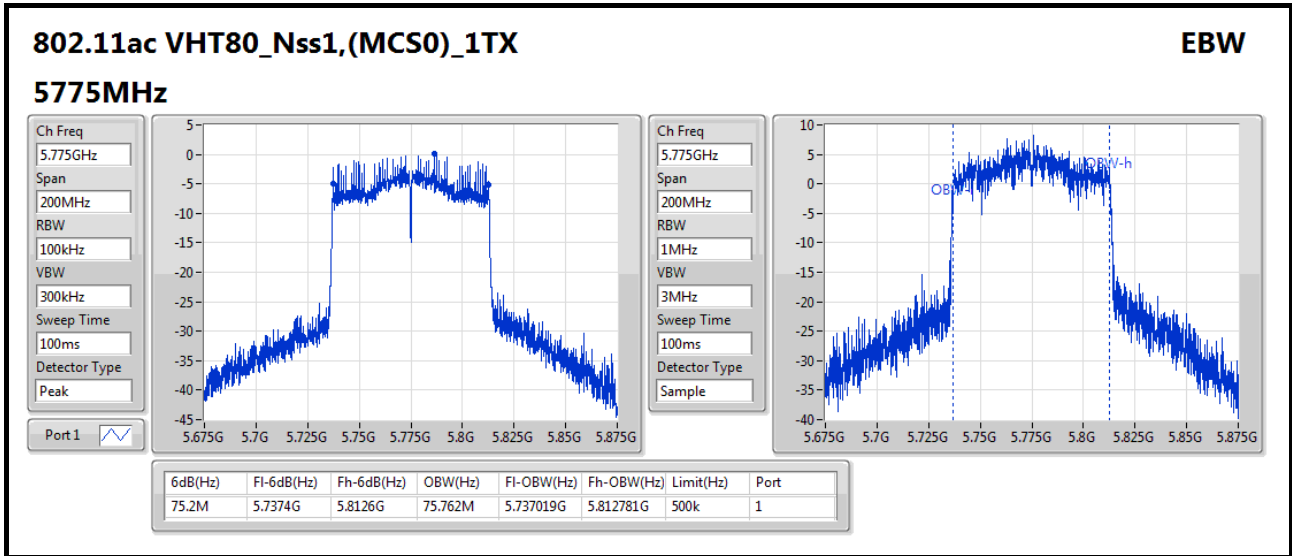














**For Radio 1 - Master mode 5GHz band 1:
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	20.15	0.10351	24.57	0.28642
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	19.95	0.09886	24.37	0.27353
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	19.42	0.08750	23.84	0.24210
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	15.48	0.03532	19.90	0.09772



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	17.46	17.46	30.00
5200MHz	Pass	4.42	20.15	20.15	30.00
5240MHz	Pass	4.42	20.12	20.12	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	17.12	17.12	30.00
5200MHz	Pass	4.42	19.95	19.95	30.00
5240MHz	Pass	4.42	19.88	19.88	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.42	14.52	14.52	30.00
5230MHz	Pass	4.42	19.42	19.42	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.42	15.48	15.48	30.00

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



**For Radio 1 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	20.15	0.10351	24.57	0.28642
5.25-5.35GHz	20.13	0.10304	24.55	0.28510
5.47-5.725GHz	17.58	0.05728	22.00	0.15849
5.725-5.85GHz	19.16	0.08241	23.58	0.22803
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	19.95	0.09886	24.37	0.27353
5.25-5.35GHz	19.82	0.09594	24.24	0.26546
5.47-5.725GHz	18.15	0.06531	22.57	0.18072
5.725-5.85GHz	18.83	0.07638	23.25	0.21135
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	19.42	0.08750	23.84	0.24210
5.25-5.35GHz	17.83	0.06067	22.25	0.16788
5.47-5.725GHz	18.47	0.07031	22.89	0.19454
5.725-5.85GHz	18.53	0.07129	22.95	0.19724
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	15.48	0.03532	19.90	0.09772
5.25-5.35GHz	14.41	0.02761	18.83	0.07638
5.47-5.725GHz	18.25	0.06683	22.67	0.18493
5.725-5.85GHz	18.47	0.07031	22.89	0.19454



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.42	17.46	17.46	23.98	21.88	30.00
5200MHz	Pass	4.42	20.15	20.15	23.98	24.57	30.00
5240MHz	Pass	4.42	20.12	20.12	23.98	24.54	30.00
5260MHz	Pass	4.42	20.07	20.07	23.98	24.49	30.00
5300MHz	Pass	4.42	20.13	20.13	23.98	24.55	30.00
5320MHz	Pass	4.42	17.89	17.89	23.98	22.31	30.00
5500MHz	Pass	4.42	17.51	17.51	23.98	21.93	30.00
5580MHz	Pass	4.42	15.11	15.11	23.98	19.53	30.00
5700MHz	Pass	4.42	17.58	17.58	23.98	22.00	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	14.61	14.61	22.95	19.03	28.95
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	7.19	7.19	30.00	11.61	36.00
5745MHz	Pass	4.42	16.43	16.43	30.00	20.85	36.00
5785MHz	Pass	4.42	17.77	17.77	30.00	22.19	36.00
5825MHz	Pass	4.42	19.16	19.16	30.00	23.58	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.42	17.12	17.12	23.98	21.54	30.00
5200MHz	Pass	4.42	19.95	19.95	23.98	24.37	30.00
5240MHz	Pass	4.42	19.88	19.88	23.98	24.30	30.00
5260MHz	Pass	4.42	19.81	19.81	23.98	24.23	30.00
5300MHz	Pass	4.42	19.82	19.82	23.98	24.24	30.00
5320MHz	Pass	4.42	17.76	17.76	23.98	22.18	30.00
5500MHz	Pass	4.42	17.58	17.58	23.98	22.00	30.00
5580MHz	Pass	4.42	14.39	14.39	23.98	18.81	30.00
5700MHz	Pass	4.42	18.15	18.15	23.98	22.57	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	17.71	17.71	23.41	22.13	29.41
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	10.97	10.97	30.00	15.39	36.00
5745MHz	Pass	4.42	18.83	18.83	30.00	23.25	36.00
5785MHz	Pass	4.42	18.73	18.73	30.00	23.15	36.00
5825MHz	Pass	4.42	18.76	18.76	30.00	23.18	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	4.42	14.52	14.52	23.98	18.94	30.00
5230MHz	Pass	4.42	19.42	19.42	23.98	23.84	30.00
5270MHz	Pass	4.42	17.83	17.83	23.98	22.25	30.00
5310MHz	Pass	4.42	15.17	15.17	23.98	19.59	30.00
5510MHz	Pass	4.42	15.84	15.84	23.98	20.26	30.00
5550MHz	Pass	4.42	16.71	16.71	23.98	21.13	30.00
5670MHz	Pass	4.42	18.47	18.47	23.98	22.89	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.42	17.99	17.99	23.98	22.41	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.42	6.72	6.72	30.00	11.14	36.00
5755MHz	Pass	4.42	18.53	18.53	30.00	22.95	36.00
5795MHz	Pass	4.42	18.51	18.51	30.00	22.93	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-

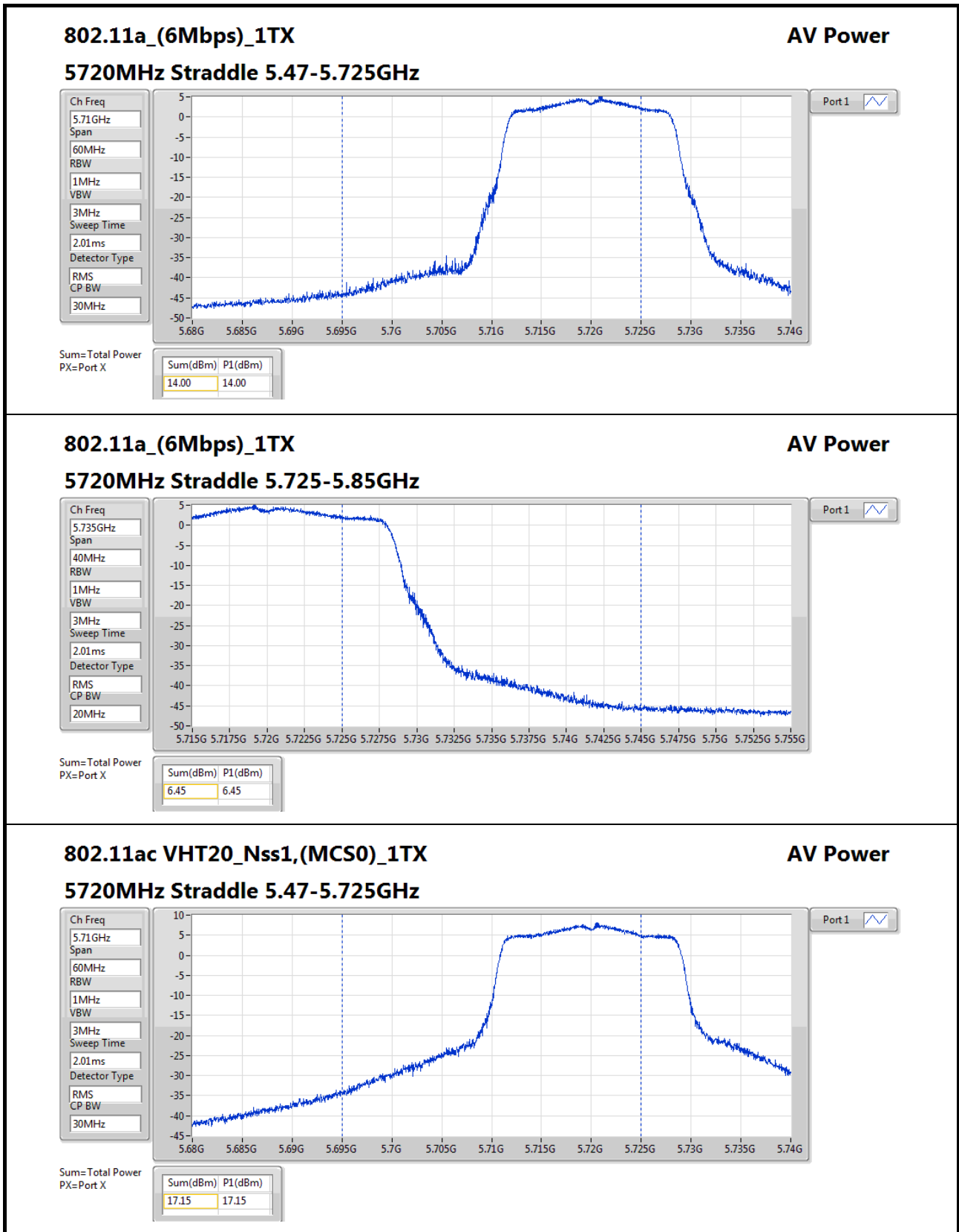


Power Result

Appendix D

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5210MHz	Pass	4.42	15.48	15.48	23.98	19.90	30.00
5290MHz	Pass	4.42	14.41	14.41	23.98	18.83	30.00
5530MHz	Pass	4.42	14.74	14.74	23.98	19.16	30.00
5610MHz	Pass	4.42	18.25	18.25	23.98	22.67	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.42	18.05	18.05	23.98	22.47	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.42	3.02	3.02	30.00	7.44	36.00
5775MHz	Pass	4.42	18.47	18.47	30.00	22.89	36.00

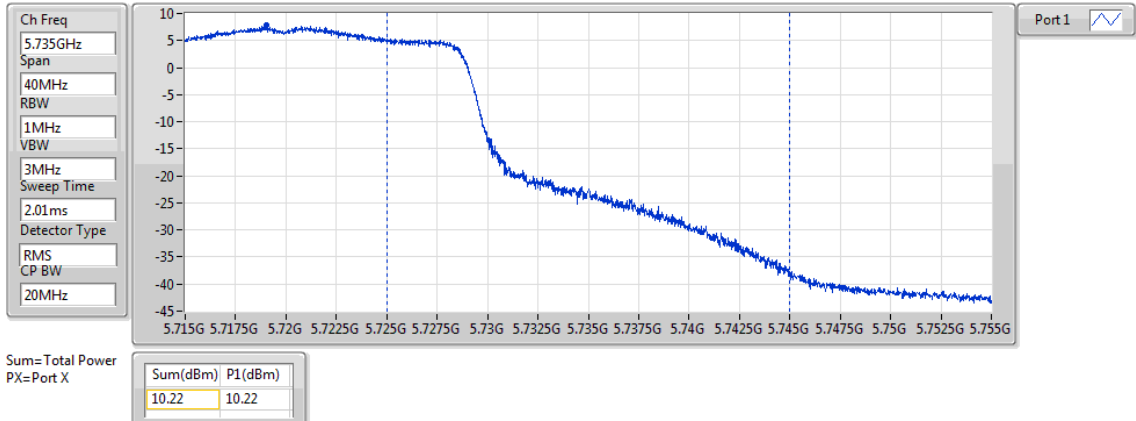
DG = Directional Gain; **Port X** = Port X output power



802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

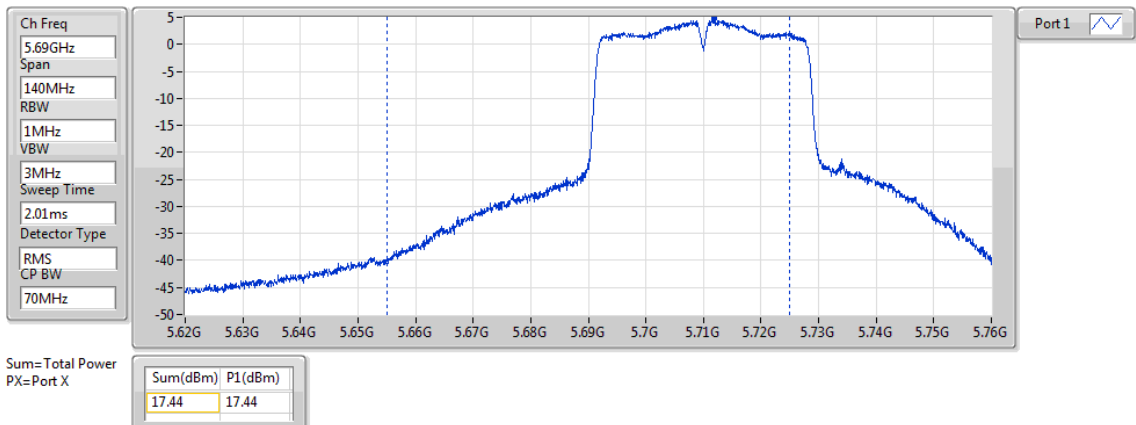
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

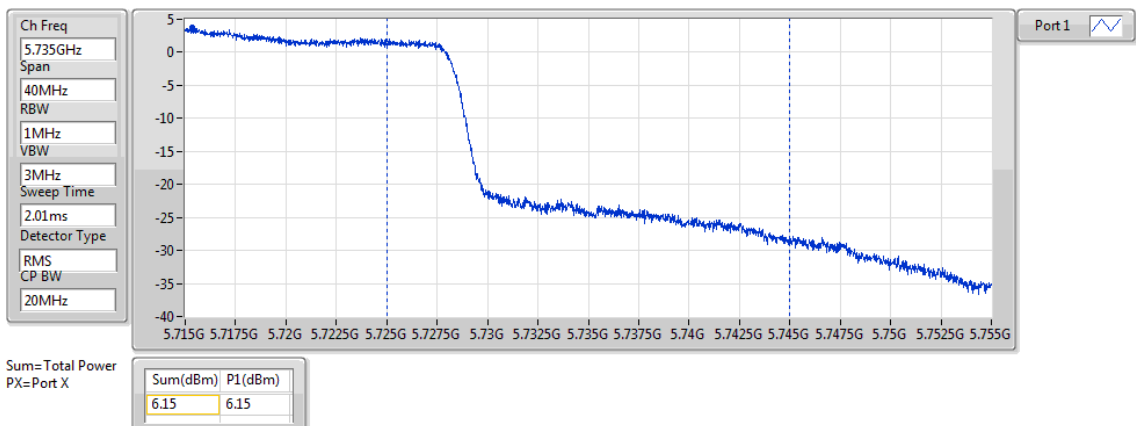
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz

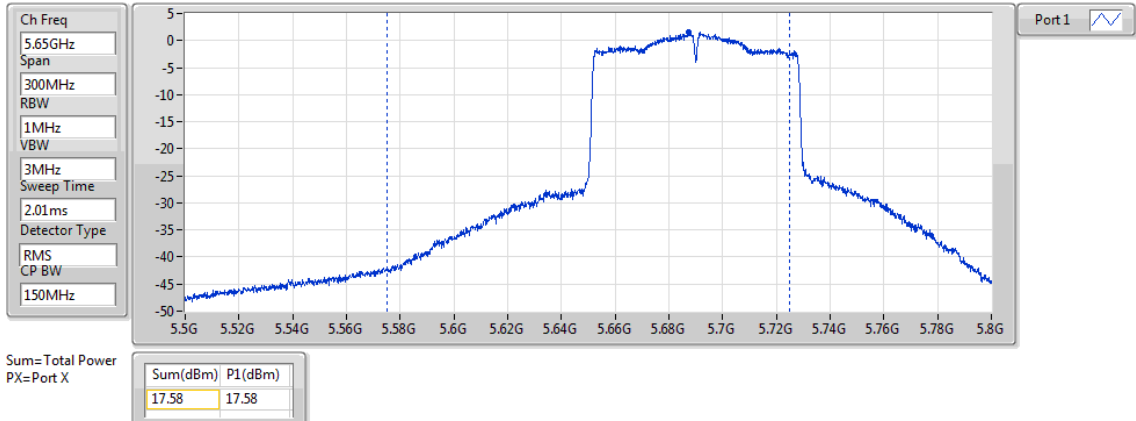




802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

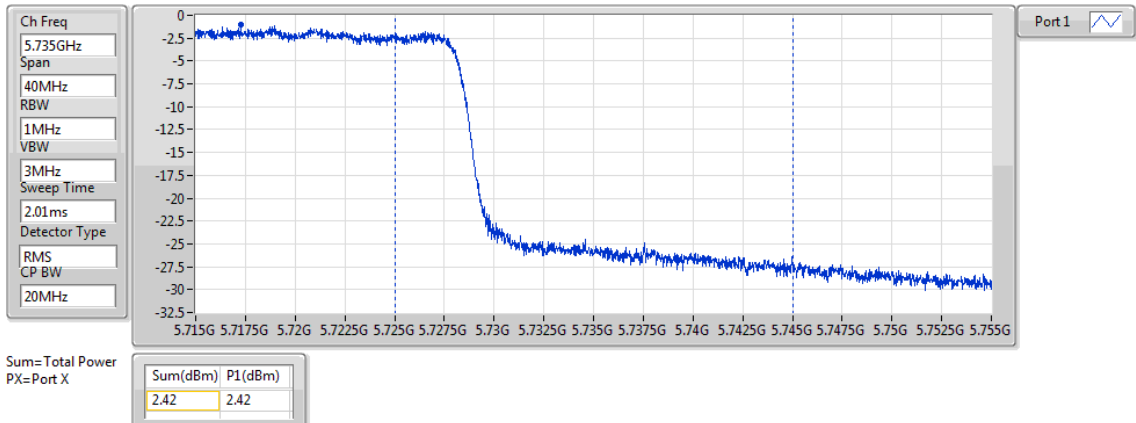
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz





**For Radio 2 - Master mode 5GHz band 1:
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	20.51	0.11246	24.93	0.31117
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	20.11	0.10257	24.53	0.28379
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	20.11	0.10257	24.53	0.28379
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	12.48	0.01770	16.90	0.04898



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	16.57	16.57	30.00
5200MHz	Pass	4.42	20.51	20.51	30.00
5240MHz	Pass	4.42	20.41	20.41	30.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	16.77	16.77	30.00
5200MHz	Pass	4.42	20.11	20.11	30.00
5240MHz	Pass	4.42	20.05	20.05	30.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.42	12.96	12.96	30.00
5230MHz	Pass	4.42	20.11	20.11	30.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.42	12.48	12.48	30.00

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



**For Radio 2 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	20.51	0.11246	24.93	0.31117
5.25-5.35GHz	20.59	0.11455	25.01	0.31696
5.47-5.725GHz	20.39	0.10940	24.81	0.30269
5.725-5.85GHz	20.25	0.10593	24.67	0.29309
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	20.11	0.10257	24.53	0.28379
5.25-5.35GHz	20.26	0.10617	24.68	0.29376
5.47-5.725GHz	19.91	0.09795	24.33	0.27102
5.725-5.85GHz	20.07	0.10162	24.49	0.28119
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	20.11	0.10257	24.53	0.28379
5.25-5.35GHz	20.07	0.10162	24.49	0.28119
5.47-5.725GHz	19.72	0.09376	24.14	0.25942
5.725-5.85GHz	19.26	0.08433	23.68	0.23335
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5.15-5.25GHz	12.48	0.01770	16.90	0.04898
5.25-5.35GHz	15.97	0.03954	20.39	0.10940
5.47-5.725GHz	19.32	0.08551	23.74	0.23659
5.725-5.85GHz	18.95	0.07852	23.37	0.21727



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.42	16.57	16.57	23.98	20.99	30.00
5200MHz	Pass	4.42	20.51	20.51	23.98	24.93	30.00
5240MHz	Pass	4.42	20.41	20.41	23.98	24.83	30.00
5260MHz	Pass	4.42	20.35	20.35	23.98	24.77	30.00
5300MHz	Pass	4.42	20.59	20.59	23.98	25.01	30.00
5320MHz	Pass	4.42	18.81	18.81	23.98	23.23	30.00
5500MHz	Pass	4.42	17.63	17.63	23.98	22.05	30.00
5580MHz	Pass	4.42	20.39	20.39	23.98	24.81	30.00
5700MHz	Pass	4.42	17.59	17.59	23.98	22.01	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	19.49	19.49	23.76	23.91	29.76
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	10.87	10.87	30.00	15.29	36.00
5745MHz	Pass	4.42	20.25	20.25	30.00	24.67	36.00
5785MHz	Pass	4.42	20.16	20.16	30.00	24.58	36.00
5825MHz	Pass	4.42	20.12	20.12	30.00	24.54	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.42	16.77	16.77	23.98	21.19	30.00
5200MHz	Pass	4.42	20.11	20.11	23.98	24.53	30.00
5240MHz	Pass	4.42	20.05	20.05	23.98	24.47	30.00
5260MHz	Pass	4.42	20.26	20.26	23.98	24.68	30.00
5300MHz	Pass	4.42	20.16	20.16	23.98	24.58	30.00
5320MHz	Pass	4.42	18.38	18.38	23.98	22.80	30.00
5500MHz	Pass	4.42	16.85	16.85	23.98	21.27	30.00
5580MHz	Pass	4.42	19.91	19.91	23.98	24.33	30.00
5700MHz	Pass	4.42	17.41	17.41	23.98	21.83	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	18.10	18.10	23.98	22.52	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	11.20	11.20	30.00	15.62	36.00
5745MHz	Pass	4.42	20.07	20.07	30.00	24.49	36.00
5785MHz	Pass	4.42	19.96	19.96	30.00	24.38	36.00
5825MHz	Pass	4.42	19.87	19.87	30.00	24.29	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	4.42	12.96	12.96	23.98	17.38	30.00
5230MHz	Pass	4.42	20.11	20.11	23.98	24.53	30.00
5270MHz	Pass	4.42	20.07	20.07	23.98	24.49	30.00
5310MHz	Pass	4.42	16.59	16.59	23.98	21.01	30.00
5510MHz	Pass	4.42	14.89	14.89	23.98	19.31	30.00
5550MHz	Pass	4.42	19.72	19.72	23.98	24.14	30.00
5670MHz	Pass	4.42	18.38	18.38	23.98	22.80	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.42	18.28	18.28	23.98	22.70	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.42	7.04	7.04	30.00	11.46	36.00
5755MHz	Pass	4.42	19.26	19.26	30.00	23.68	36.00
5795MHz	Pass	4.42	19.22	19.22	30.00	23.64	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-

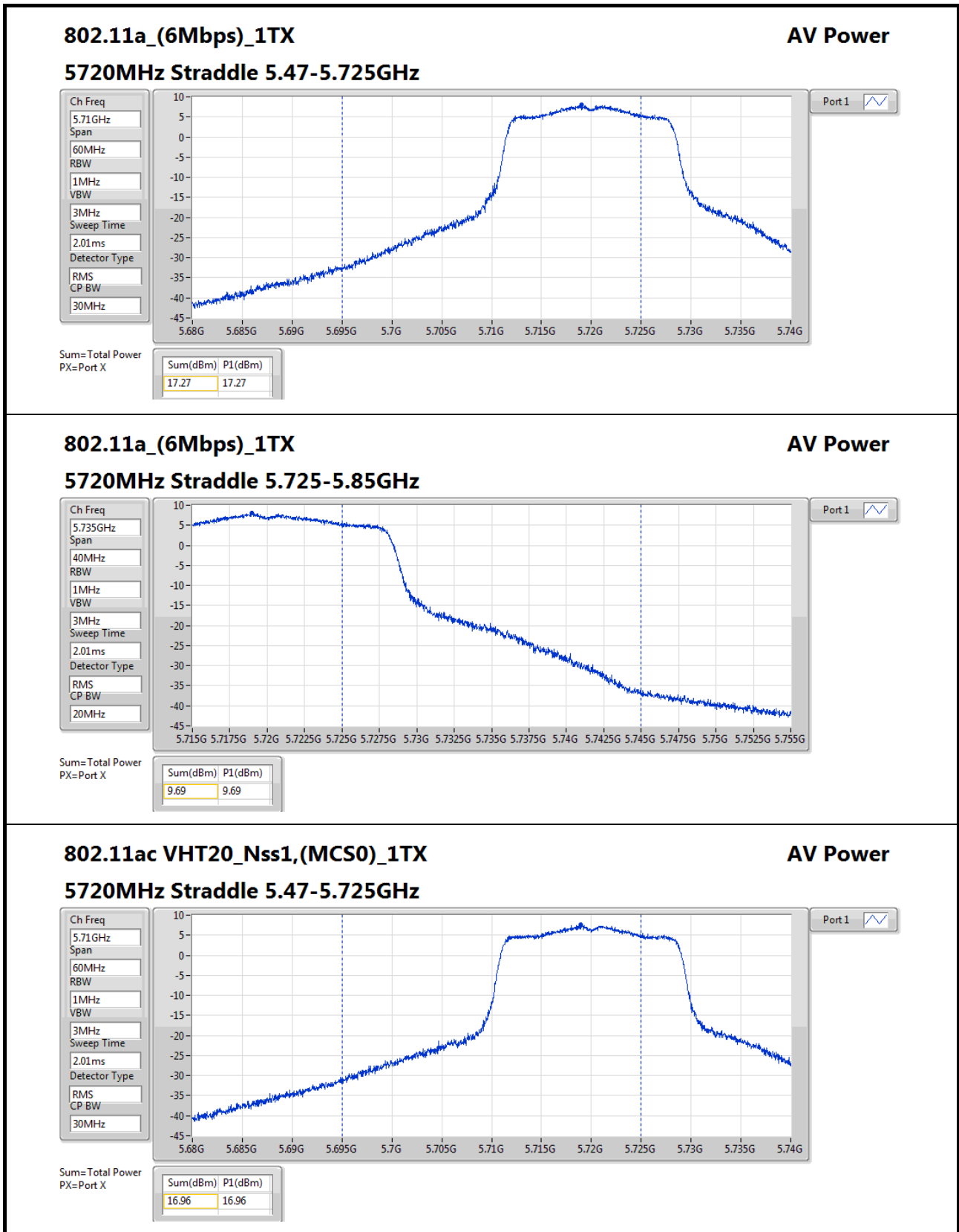


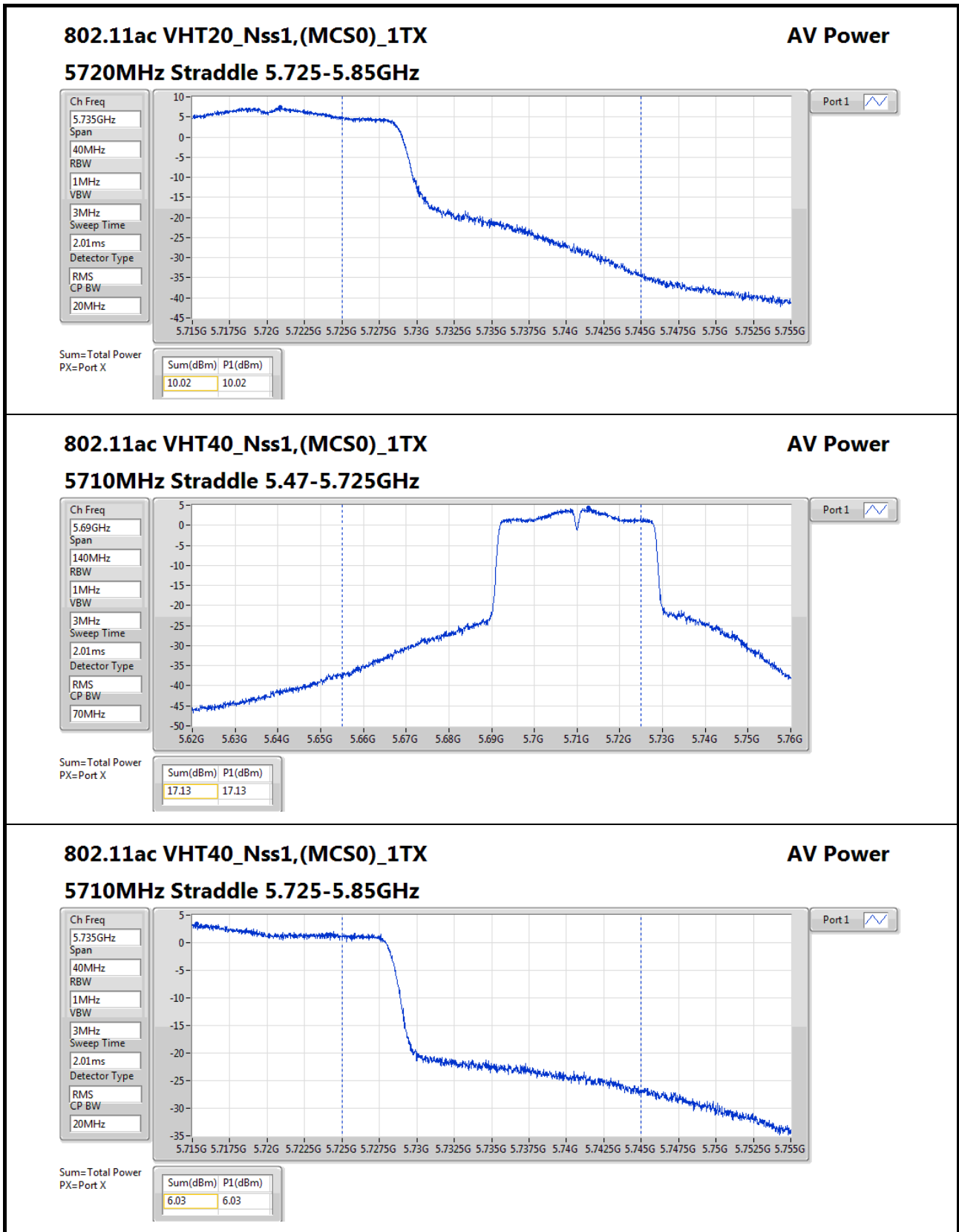
Power Result

Appendix D

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5210MHz	Pass	4.42	12.48	12.48	23.98	16.90	30.00
5290MHz	Pass	4.42	15.97	15.97	23.98	20.39	30.00
5530MHz	Pass	4.42	15.36	15.36	23.98	19.78	30.00
5610MHz	Pass	4.42	19.32	19.32	23.98	23.74	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.42	18.37	18.37	23.98	22.79	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.42	3.19	3.19	30.00	7.61	36.00
5775MHz	Pass	4.42	18.95	18.95	30.00	23.37	36.00

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





802.11ac VHT40_Nss1,(MCS0)_1TX

5710MHz Straddle 5.725-5.85GHz

AV Power

Ch Freq	5.735GHz
Span	40MHz
RBW	1MHz
VBW	3MHz
Sweep Time	2.01ms
Detector Type	RMS
CP BW	20MHz



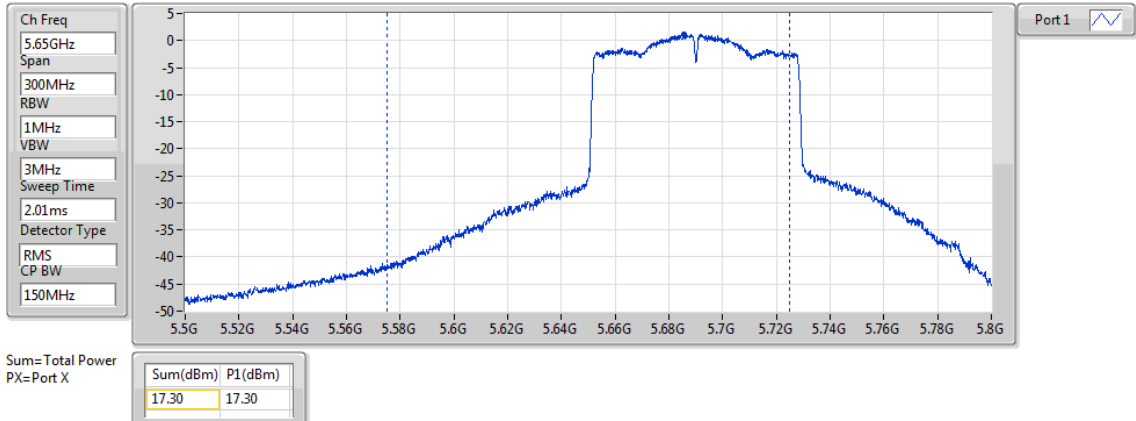
Sum=Total Power	Sum(dBm)	P1(dBm)
PX=Port X	6.03	6.03



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

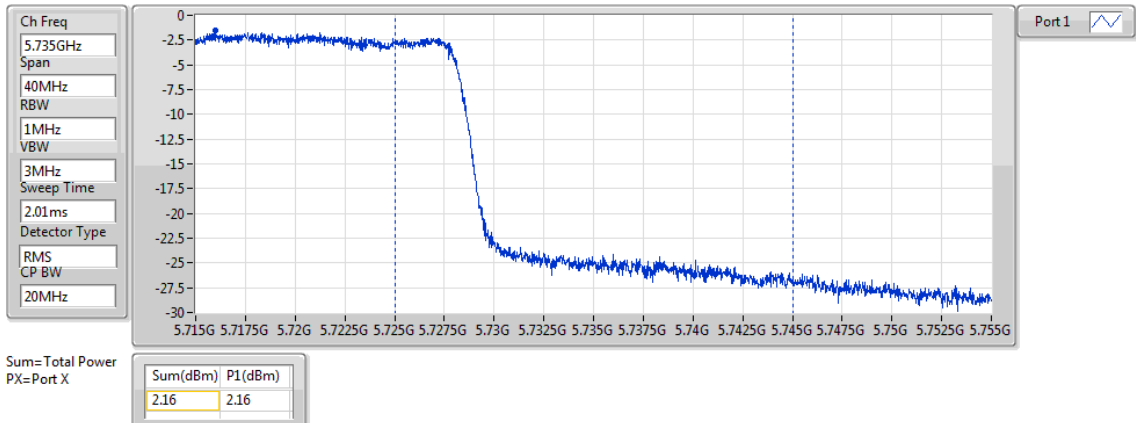
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz





**For Radio 1 - Master mode 5GHz band 1:
Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	7.69	12.11
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	7.19	11.61
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	3.69	8.11
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	-2.68	1.74

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

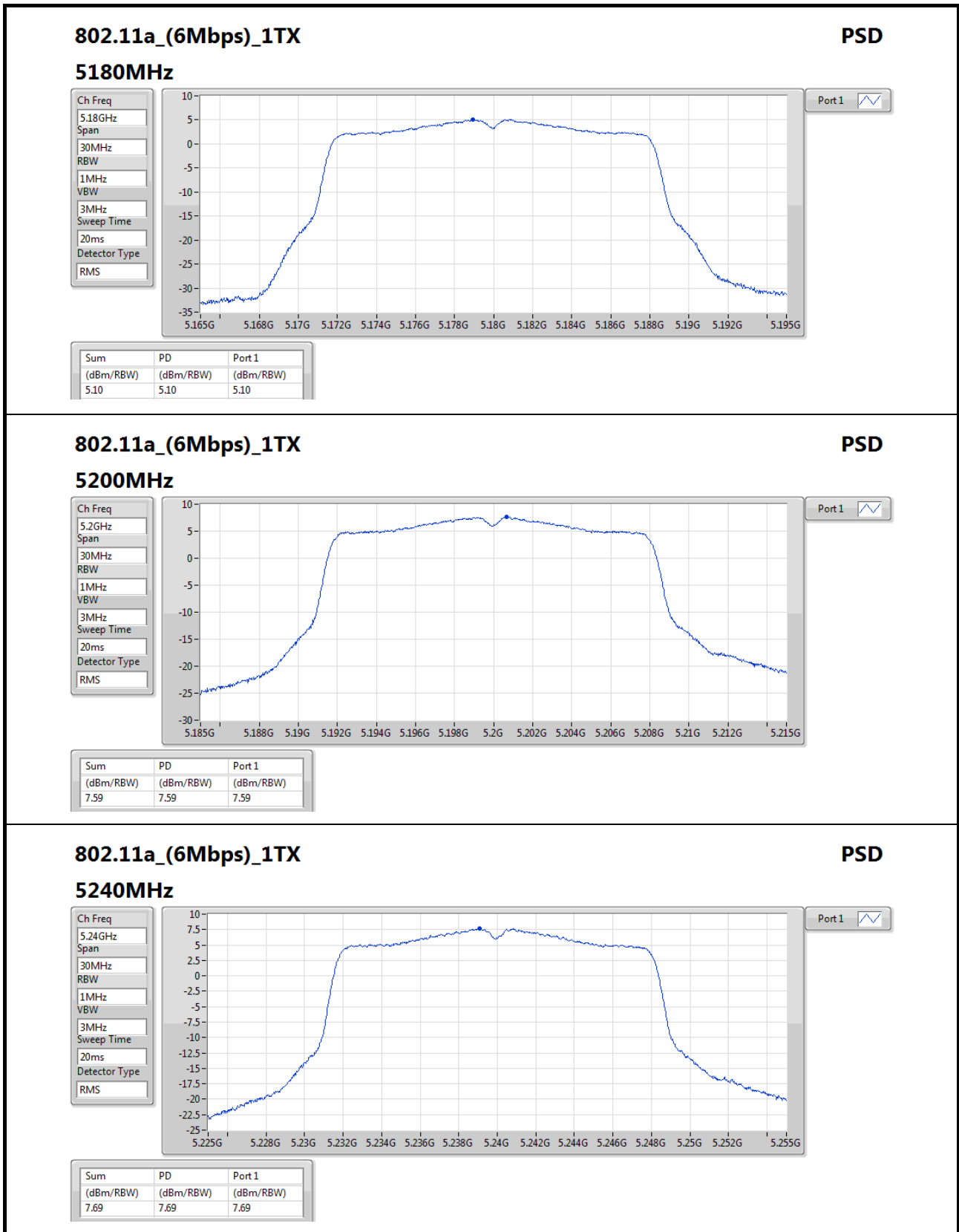


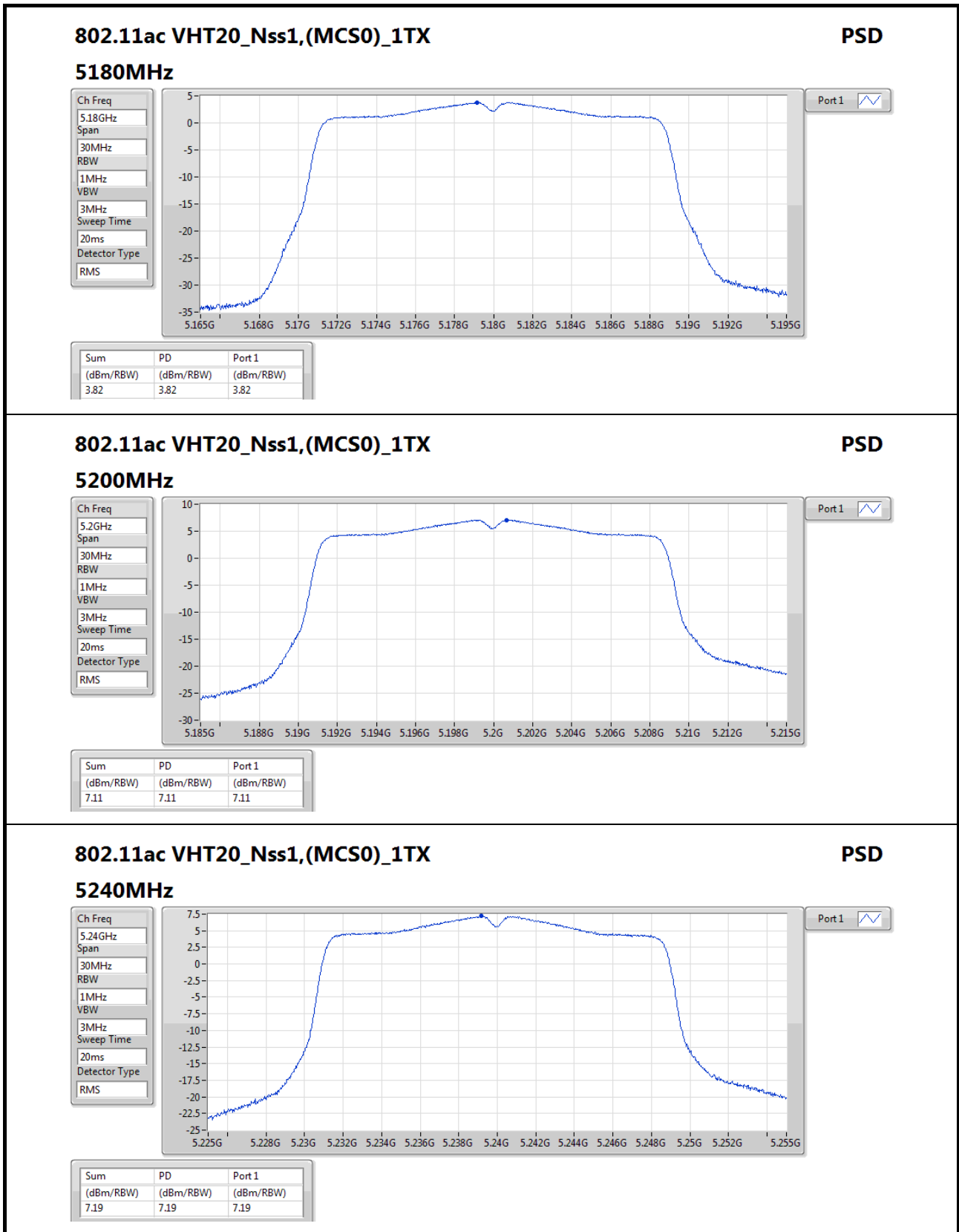
Result

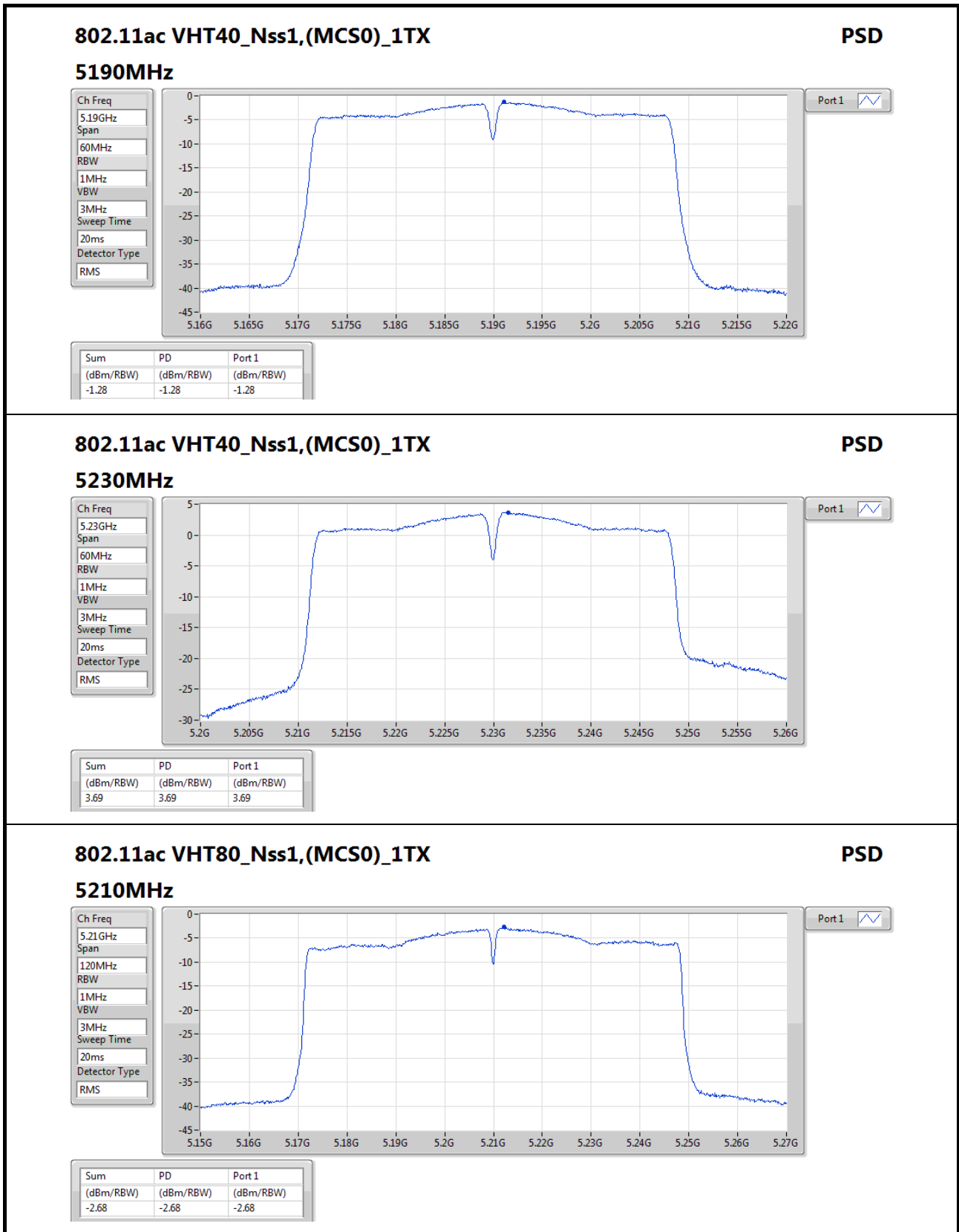
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	5.10	5.10	17.00
5200MHz	Pass	4.42	7.59	7.59	17.00
5240MHz	Pass	4.42	7.69	7.69	17.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	3.82	3.82	17.00
5200MHz	Pass	4.42	7.11	7.11	17.00
5240MHz	Pass	4.42	7.19	7.19	17.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.42	-1.28	-1.28	17.00
5230MHz	Pass	4.42	3.69	3.69	17.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.42	-2.68	-2.68	17.00

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

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;






802.11ac VHT80_Nss1,(MCS0)_1TX
PSD

5210MHz

Ch Freq
5.21GHz

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.68	-2.68	-2.68



**For Radio 1 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	7.69	12.11
5.25-5.35GHz	7.82	12.24
5.47-5.725GHz	5.09	9.51
5.725-5.85GHz	5.13	9.55
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	7.19	11.61
5.25-5.35GHz	7.24	11.66
5.47-5.725GHz	5.99	10.41
5.725-5.85GHz	4.91	9.33
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	3.69	8.11
5.25-5.35GHz	2.25	6.67
5.47-5.725GHz	2.80	7.22
5.725-5.85GHz	1.54	5.96
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	-2.68	1.74
5.25-5.35GHz	-3.83	0.59
5.47-5.725GHz	-0.15	4.27
5.725-5.85GHz	-1.51	2.91

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



Result

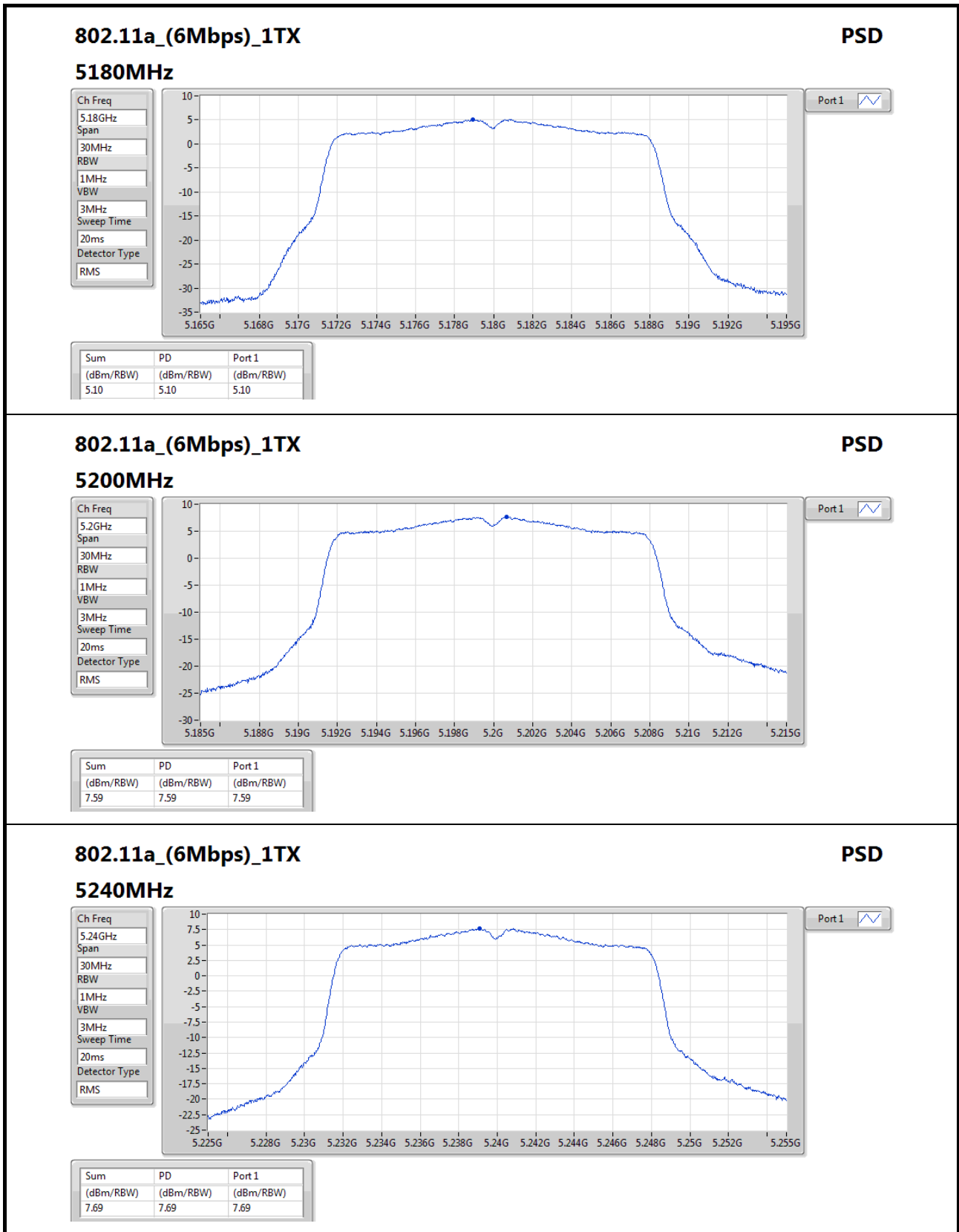
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.42	5.10	5.10	11.00	9.52
5200MHz	Pass	4.42	7.59	7.59	11.00	12.01
5240MHz	Pass	4.42	7.69	7.69	11.00	12.11
5260MHz	Pass	4.42	7.76	7.76	11.00	12.18
5300MHz	Pass	4.42	7.82	7.82	11.00	12.24
5320MHz	Pass	4.42	5.58	5.58	11.00	10.00
5500MHz	Pass	4.42	4.78	4.78	11.00	9.20
5580MHz	Pass	4.42	2.23	2.23	11.00	6.65
5700MHz	Pass	4.42	5.09	5.09	11.00	9.51
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	2.97	2.97	11.00	7.39
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	-0.94	-0.94	30.00	3.48
5745MHz	Pass	4.42	2.36	2.36	30.00	6.78
5785MHz	Pass	4.42	5.13	5.13	30.00	9.55
5825MHz	Pass	4.42	5.12	5.12	30.00	9.54
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.42	3.82	3.82	11.00	8.24
5200MHz	Pass	4.42	7.11	7.11	11.00	11.53
5240MHz	Pass	4.42	7.19	7.19	11.00	11.61
5260MHz	Pass	4.42	7.08	7.08	11.00	11.50
5300MHz	Pass	4.42	7.24	7.24	11.00	11.66
5320MHz	Pass	4.42	5.13	5.13	11.00	9.55
5500MHz	Pass	4.42	4.18	4.18	11.00	8.60
5580MHz	Pass	4.42	1.46	1.46	11.00	5.88
5700MHz	Pass	4.42	5.36	5.36	11.00	9.78
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	5.99	5.99	11.00	10.41
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	2.00	2.00	30.00	6.42
5745MHz	Pass	4.42	4.91	4.91	30.00	9.33
5785MHz	Pass	4.42	4.75	4.75	30.00	9.17
5825MHz	Pass	4.42	4.60	4.60	30.00	9.02
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	4.42	-1.28	-1.28	11.00	3.14
5230MHz	Pass	4.42	3.69	3.69	11.00	8.11
5270MHz	Pass	4.42	2.25	2.25	11.00	6.67
5310MHz	Pass	4.42	-0.67	-0.67	11.00	3.75
5510MHz	Pass	4.42	-0.20	-0.20	11.00	4.22
5550MHz	Pass	4.42	0.67	0.67	11.00	5.09
5670MHz	Pass	4.42	2.77	2.77	11.00	7.19
5710MHz Straddle 5.47-5.725GHz	Pass	4.42	2.80	2.80	11.00	7.22
5710MHz Straddle 5.725-5.85GHz	Pass	4.42	-1.35	-1.35	30.00	3.07
5755MHz	Pass	4.42	1.54	1.54	30.00	5.96
5795MHz	Pass	4.42	1.40	1.40	30.00	5.82
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	4.42	-2.68	-2.68	11.00	1.74

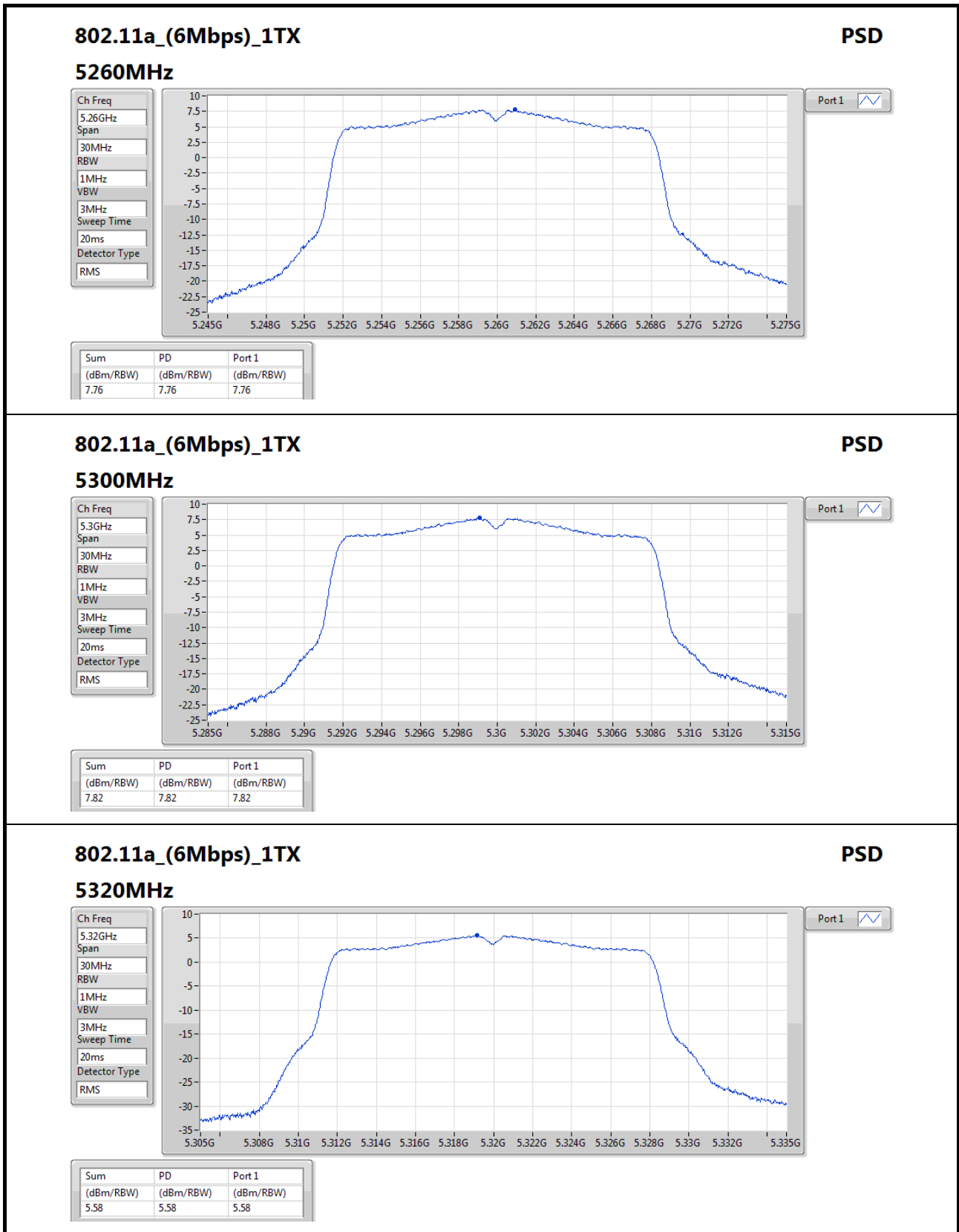


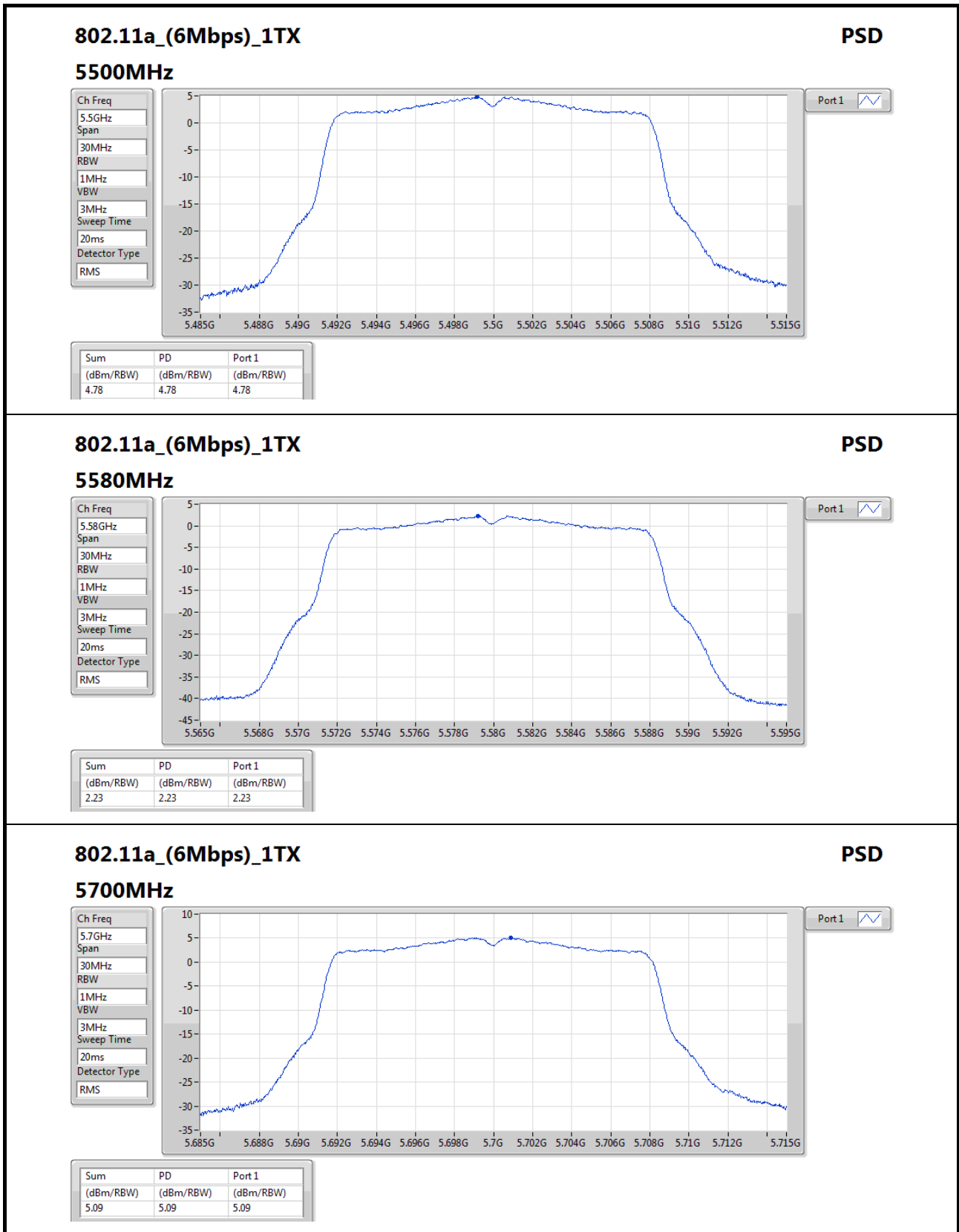
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)
5290MHz	Pass	4.42	-3.83	-3.83	11.00	0.59
5530MHz	Pass	4.42	-3.73	-3.73	11.00	0.69
5610MHz	Pass	4.42	-0.22	-0.22	11.00	4.20
5690MHz Straddle 5.47-5.725GHz	Pass	4.42	-0.15	-0.15	11.00	4.27
5690MHz Straddle 5.725-5.85GHz	Pass	4.42	-4.95	-4.95	30.00	-0.53
5775MHz	Pass	4.42	-1.51	-1.51	30.00	2.91

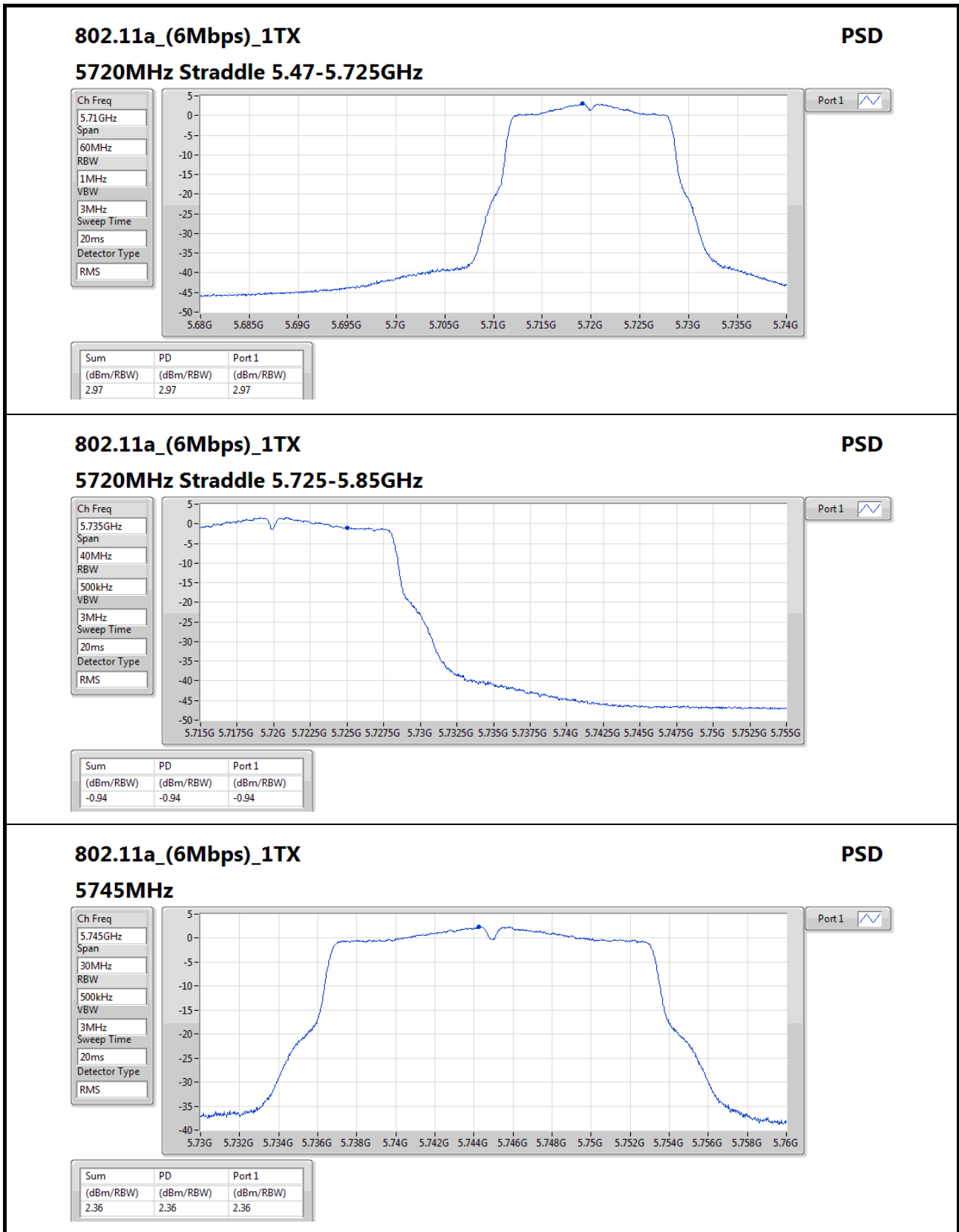
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;








802.11a_(6Mbps)_1TX
PSD
5745MHz

Ch Freq
5.745GHz

Span
30MHz

RBW
500kHz

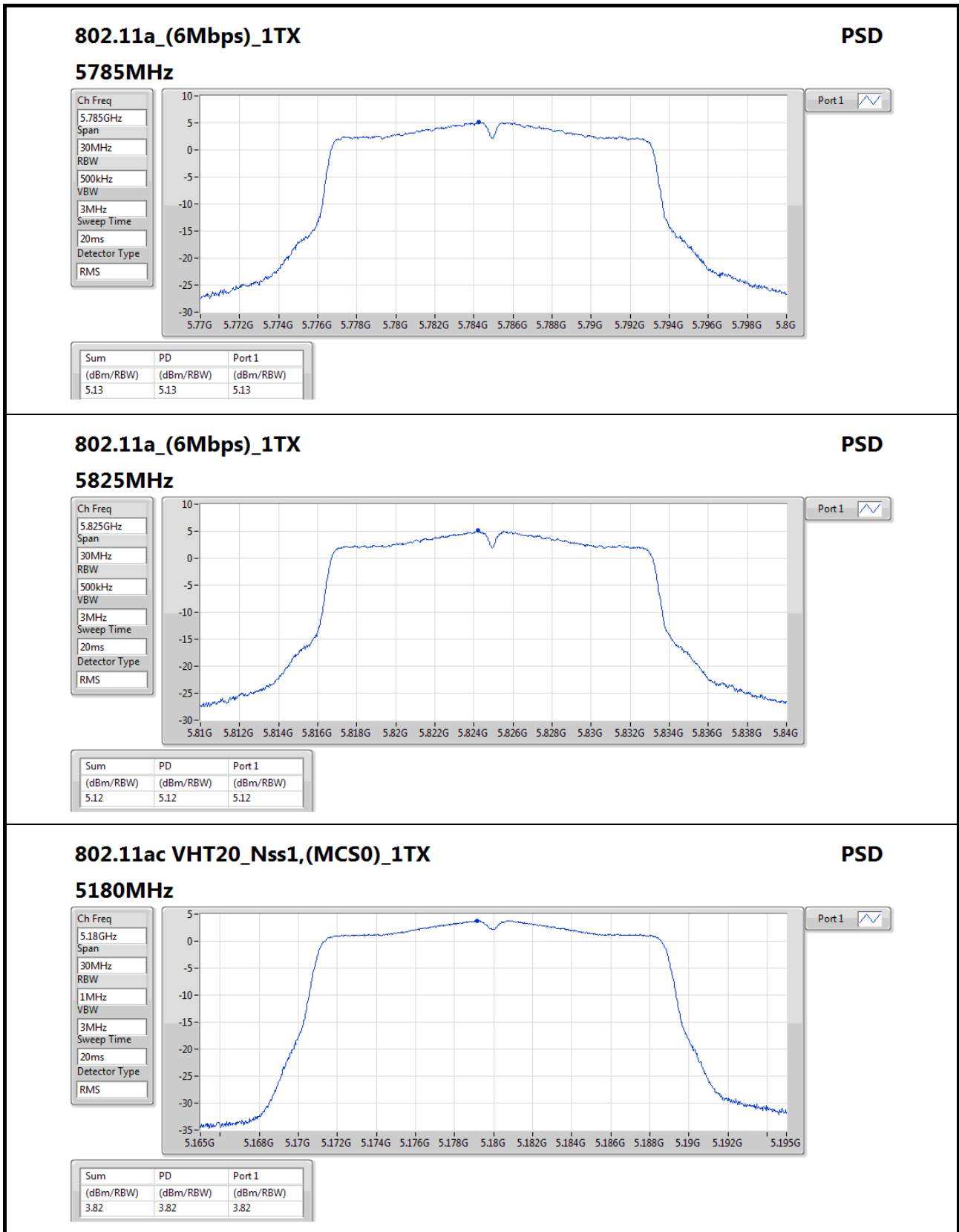
VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1


802.11ac VHT20_Nss1,(MCS0)_1TX
PSD

5180MHz

Ch Freq
5.18GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

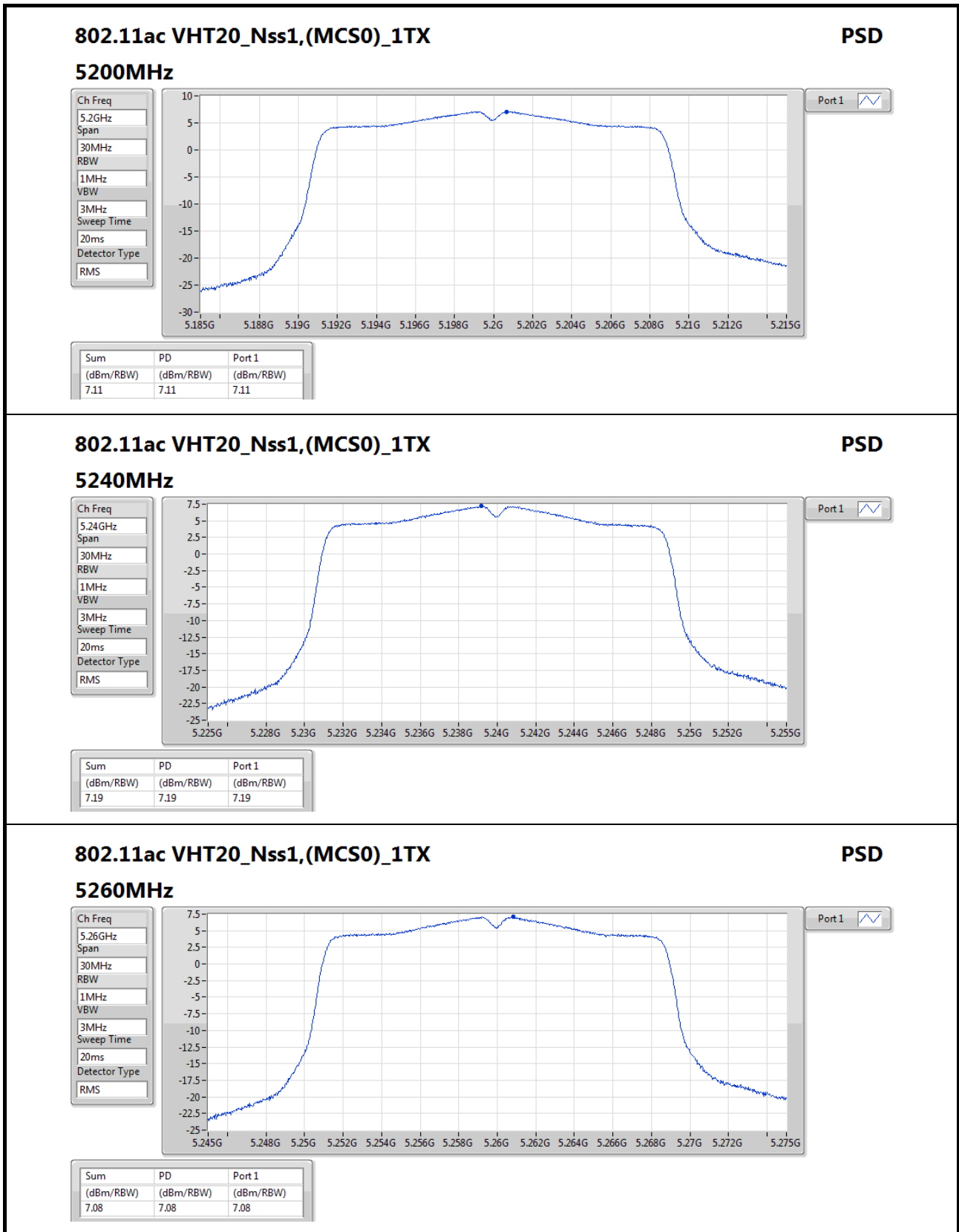
Sweep Time
20ms

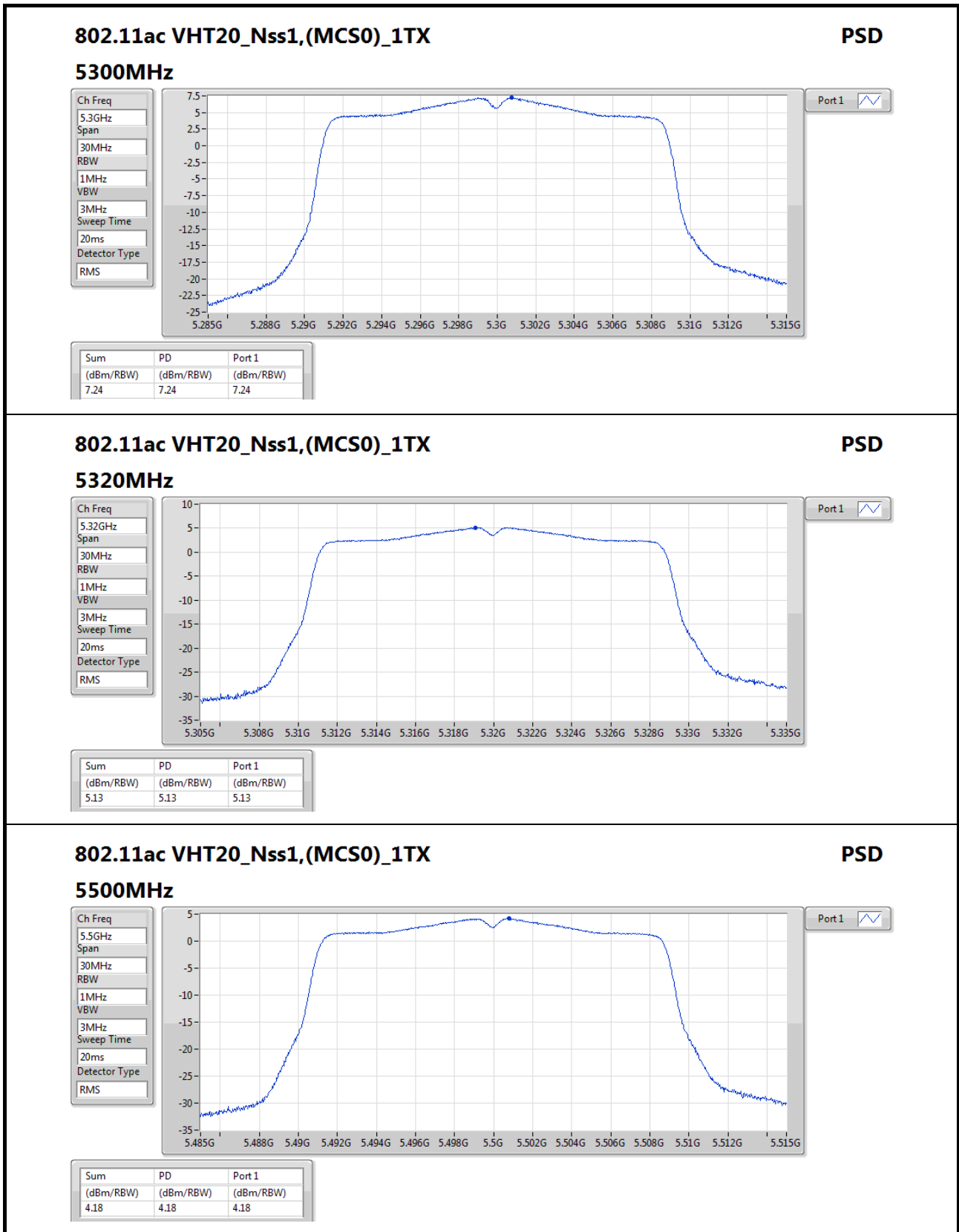
Detector Type
RMS

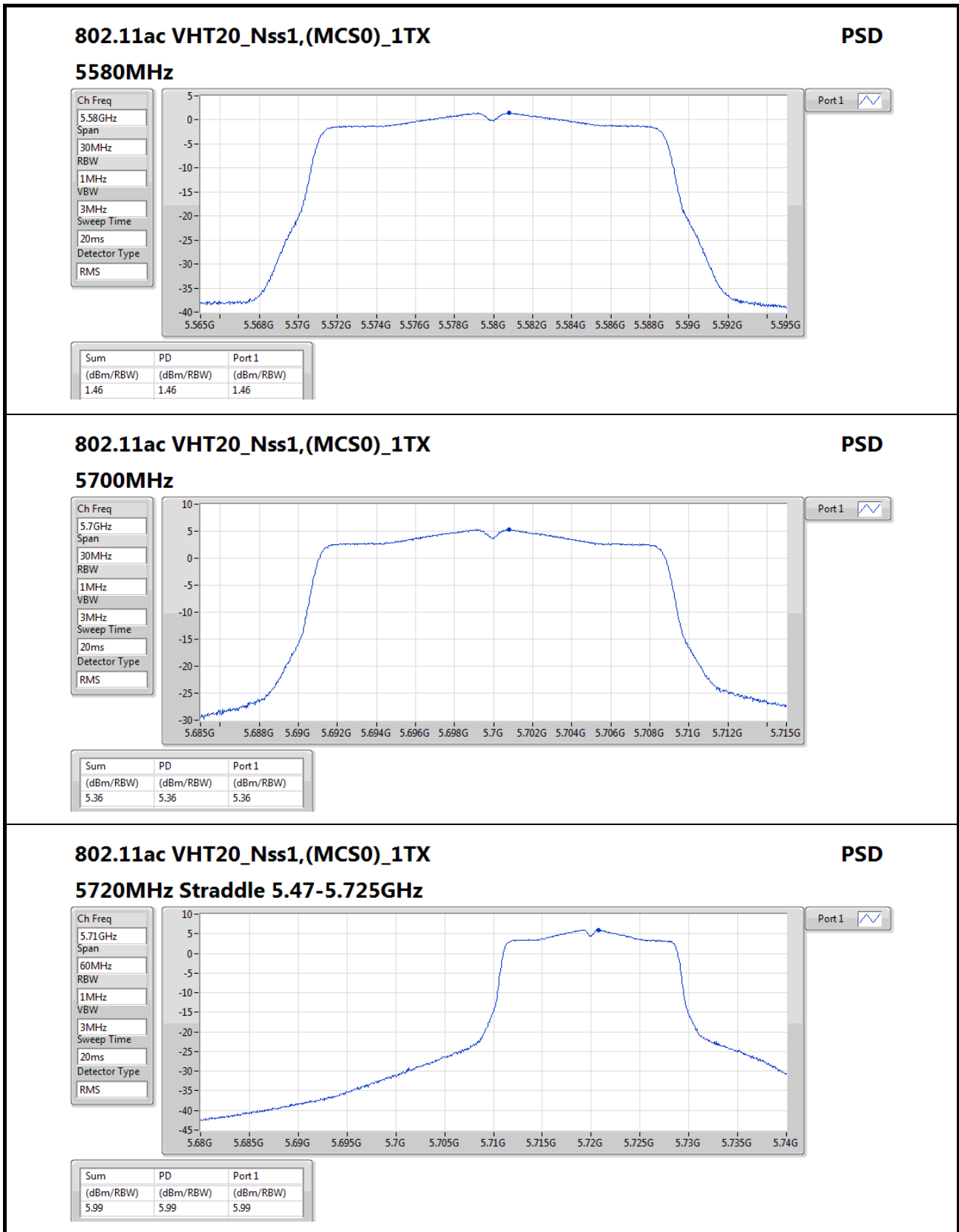


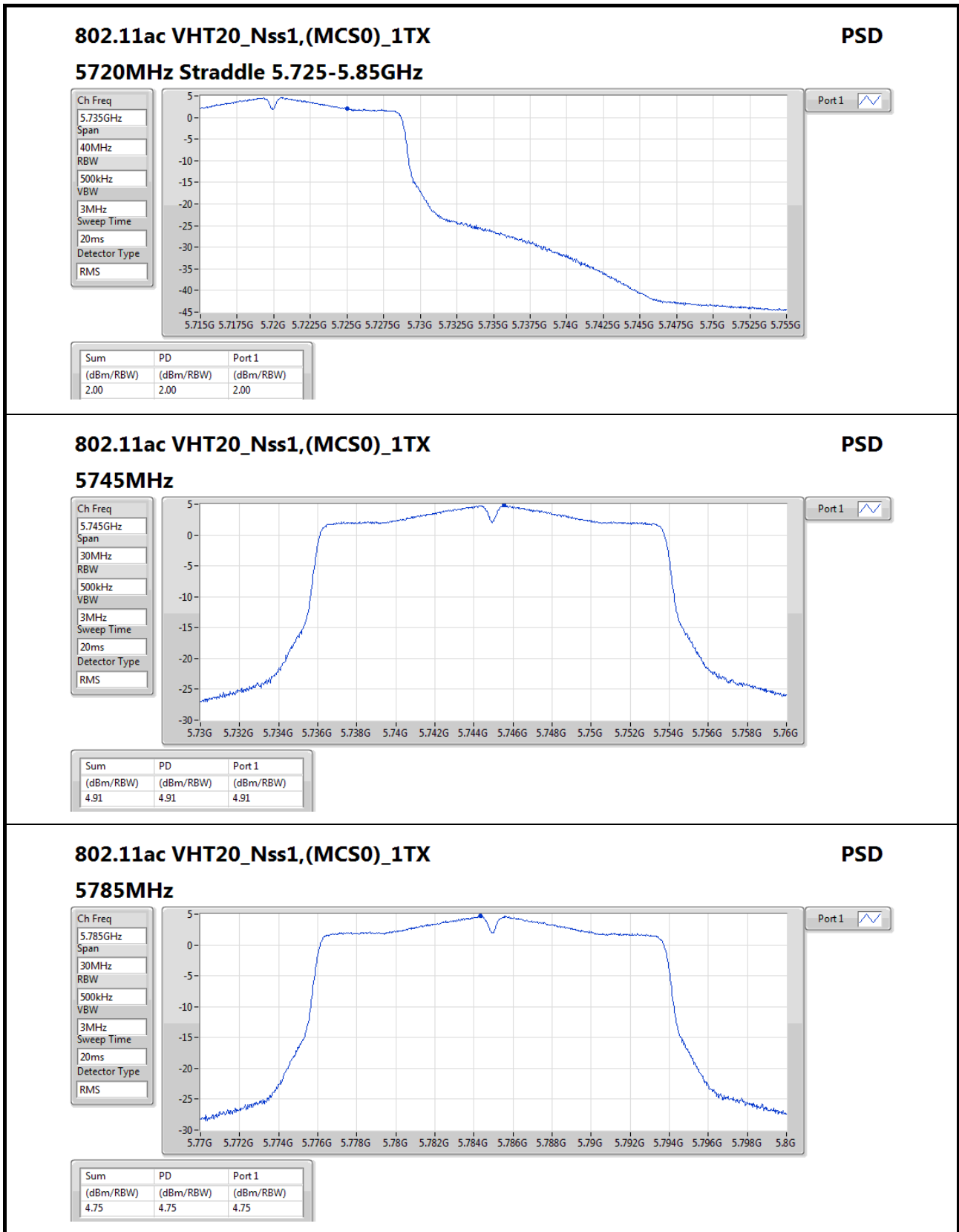
Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.82	3.82	3.82








802.11ac VHT20_Nss1,(MCS0)_1TX
PSD

5785MHz

Ch Freq
5.785GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

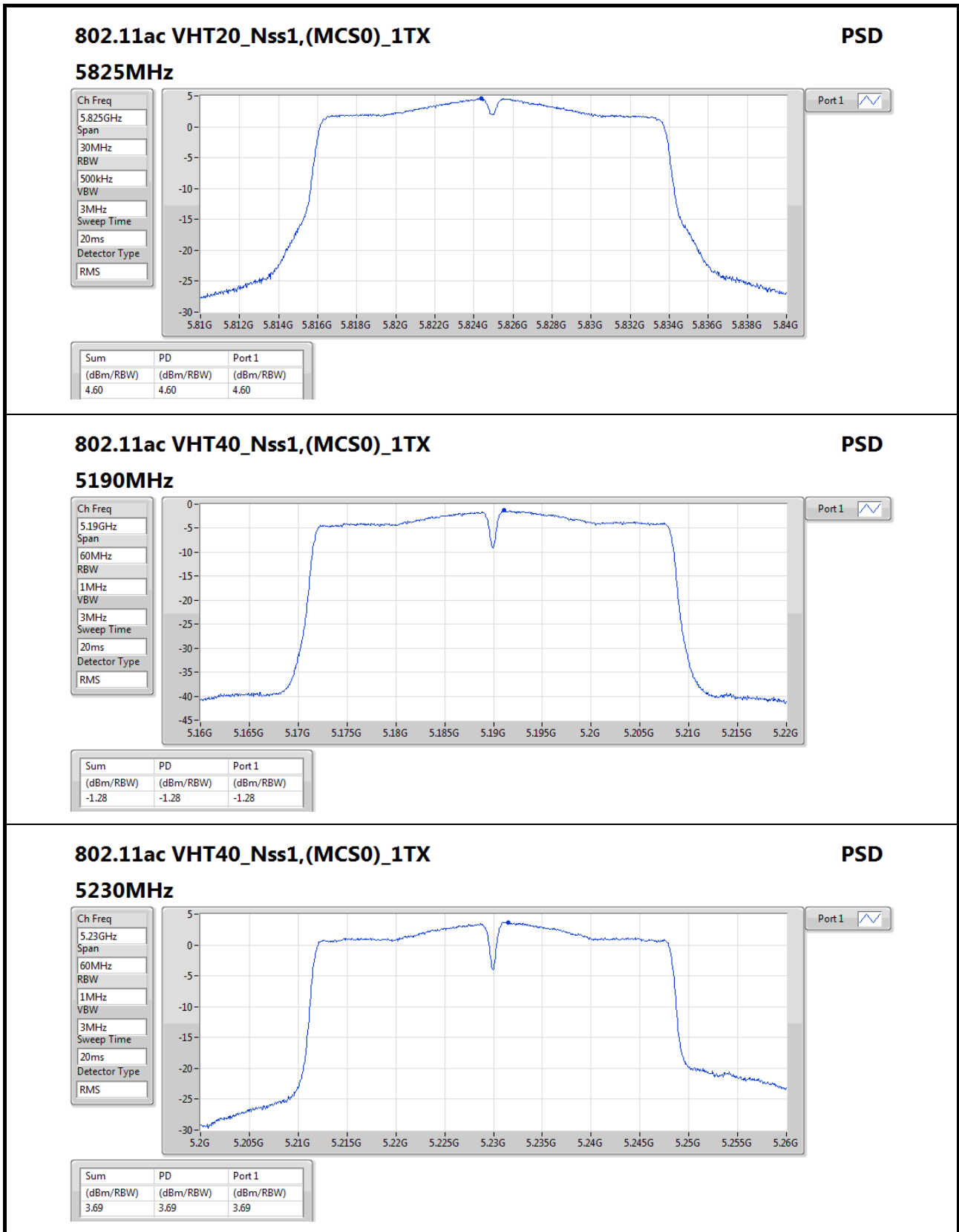
Sweep Time
20ms

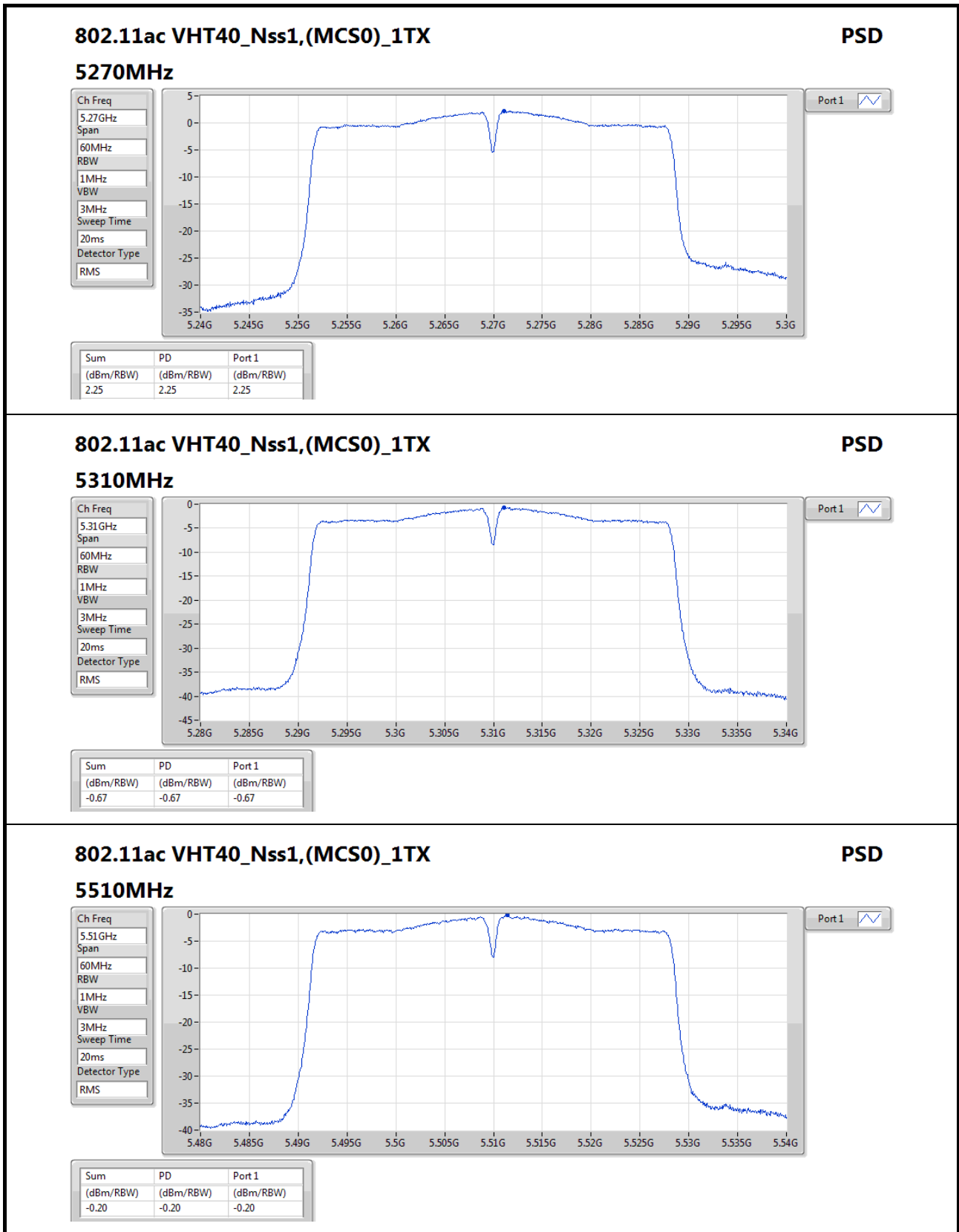
Detector Type
RMS

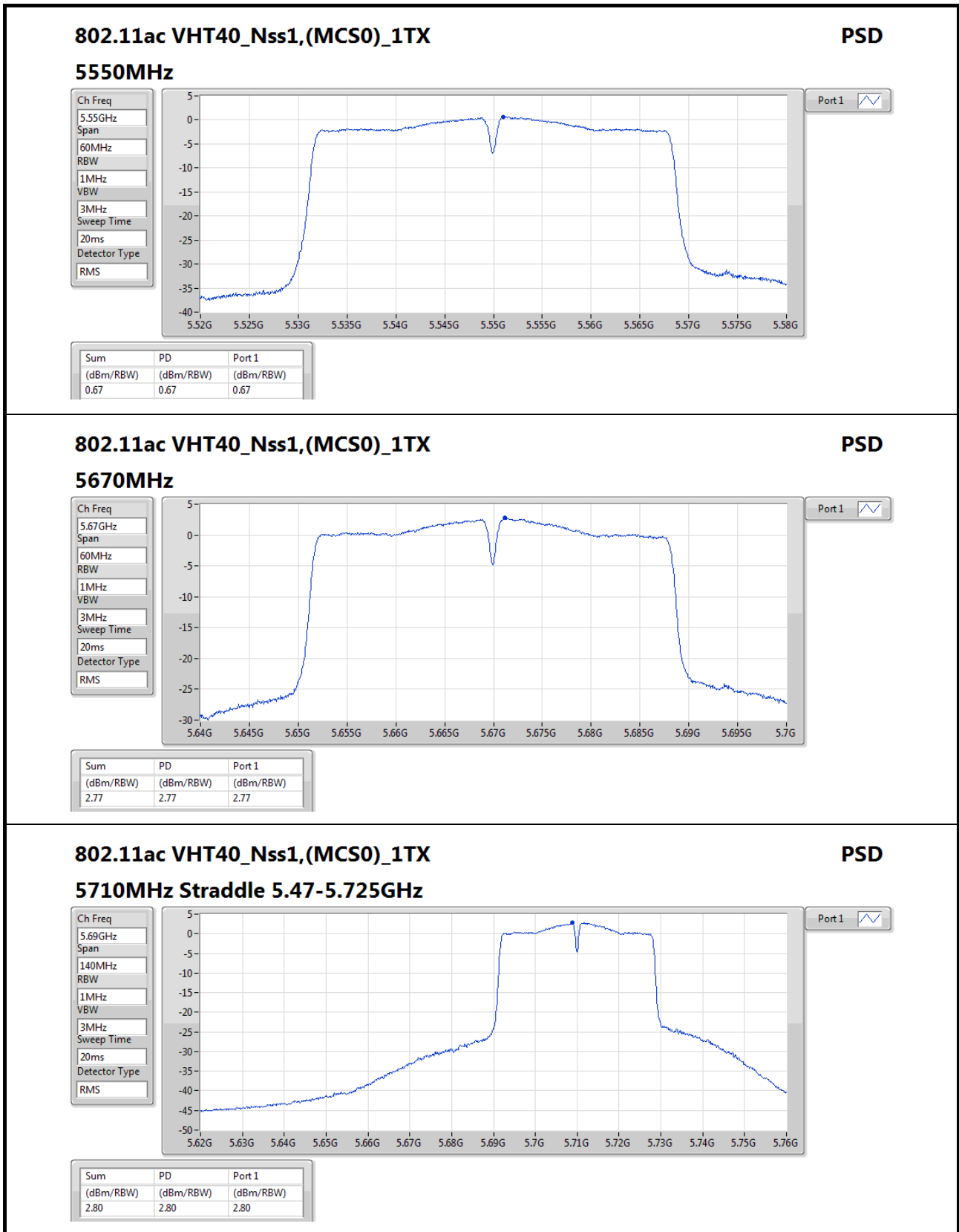


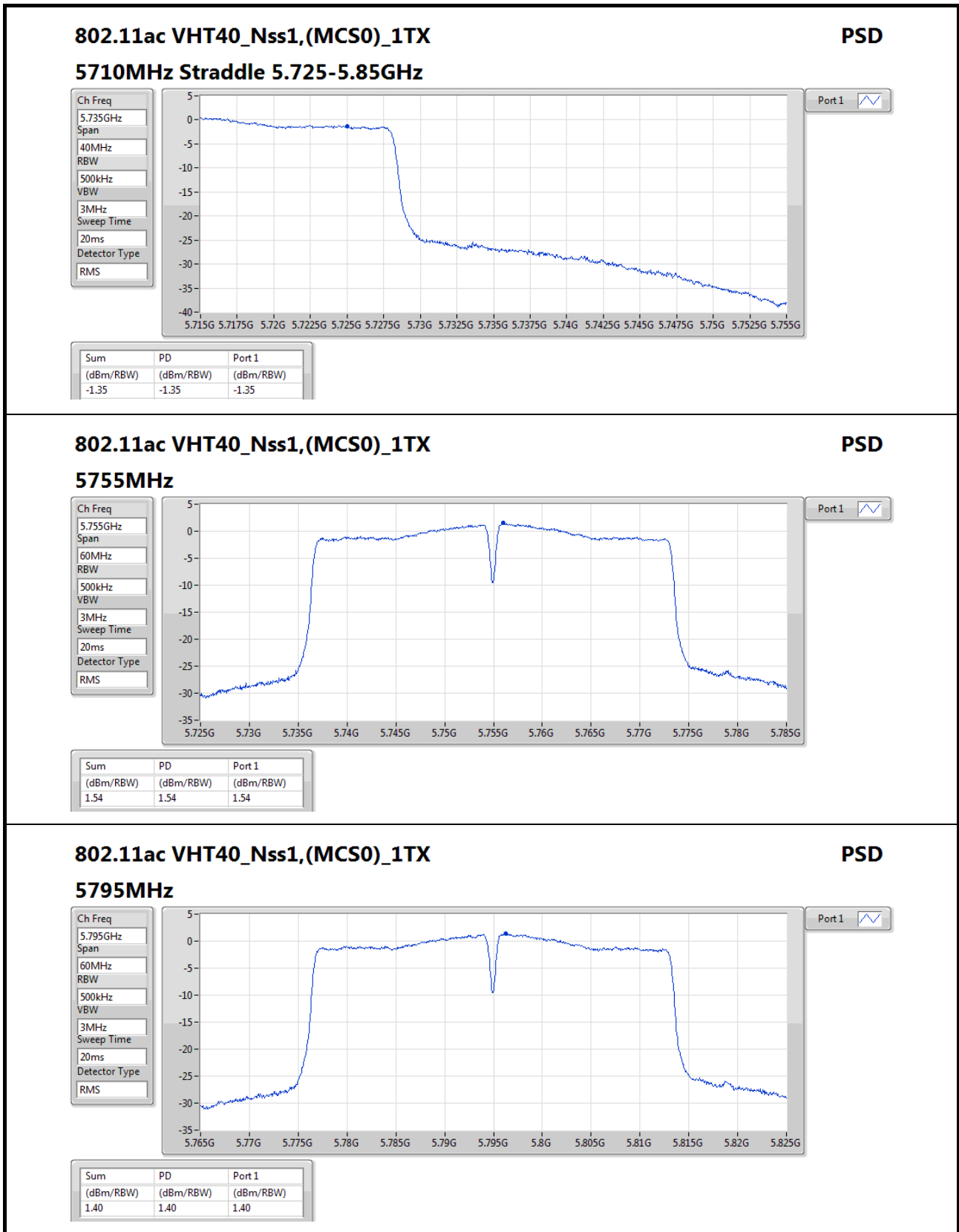
Port 1

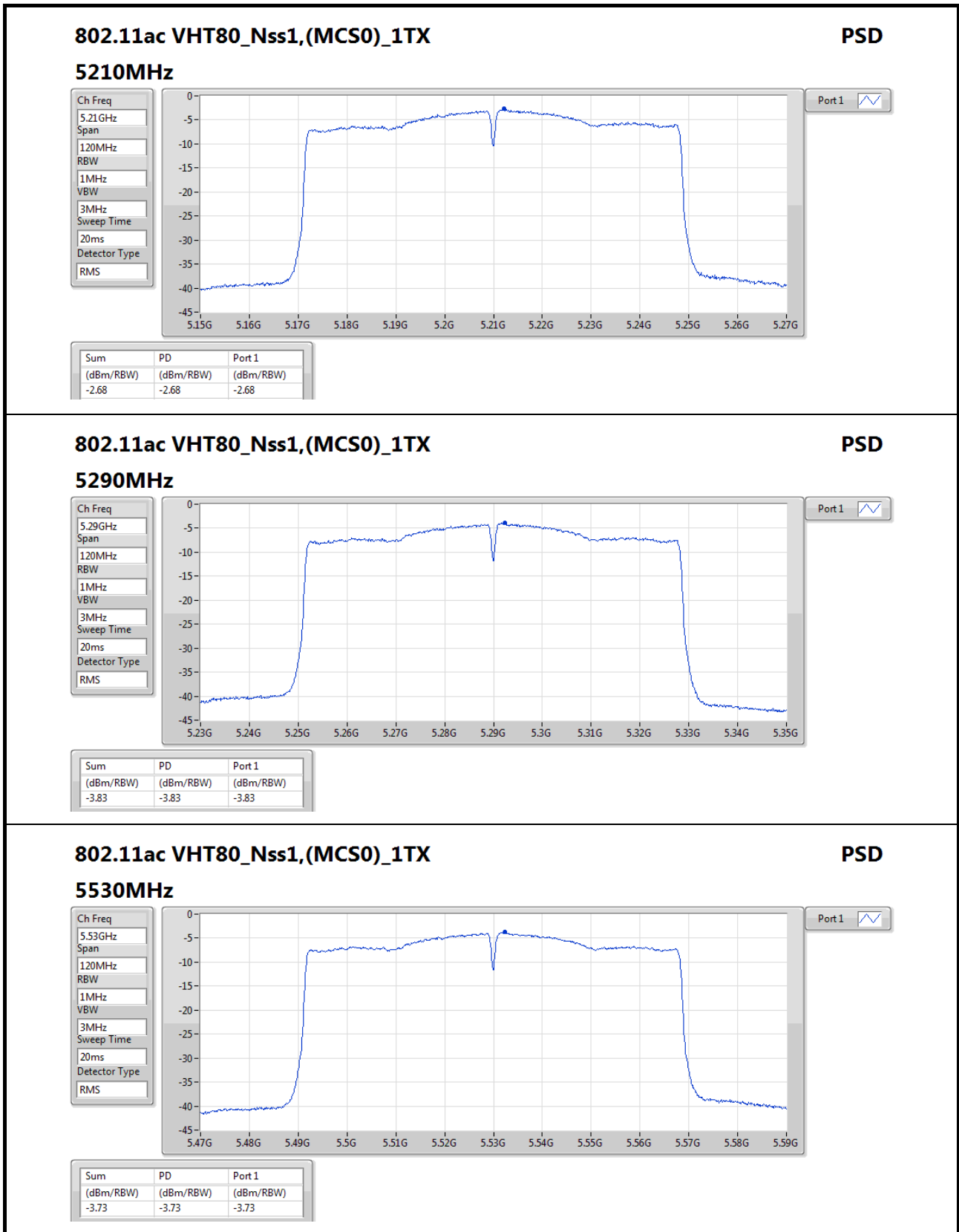
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.75	4.75	4.75

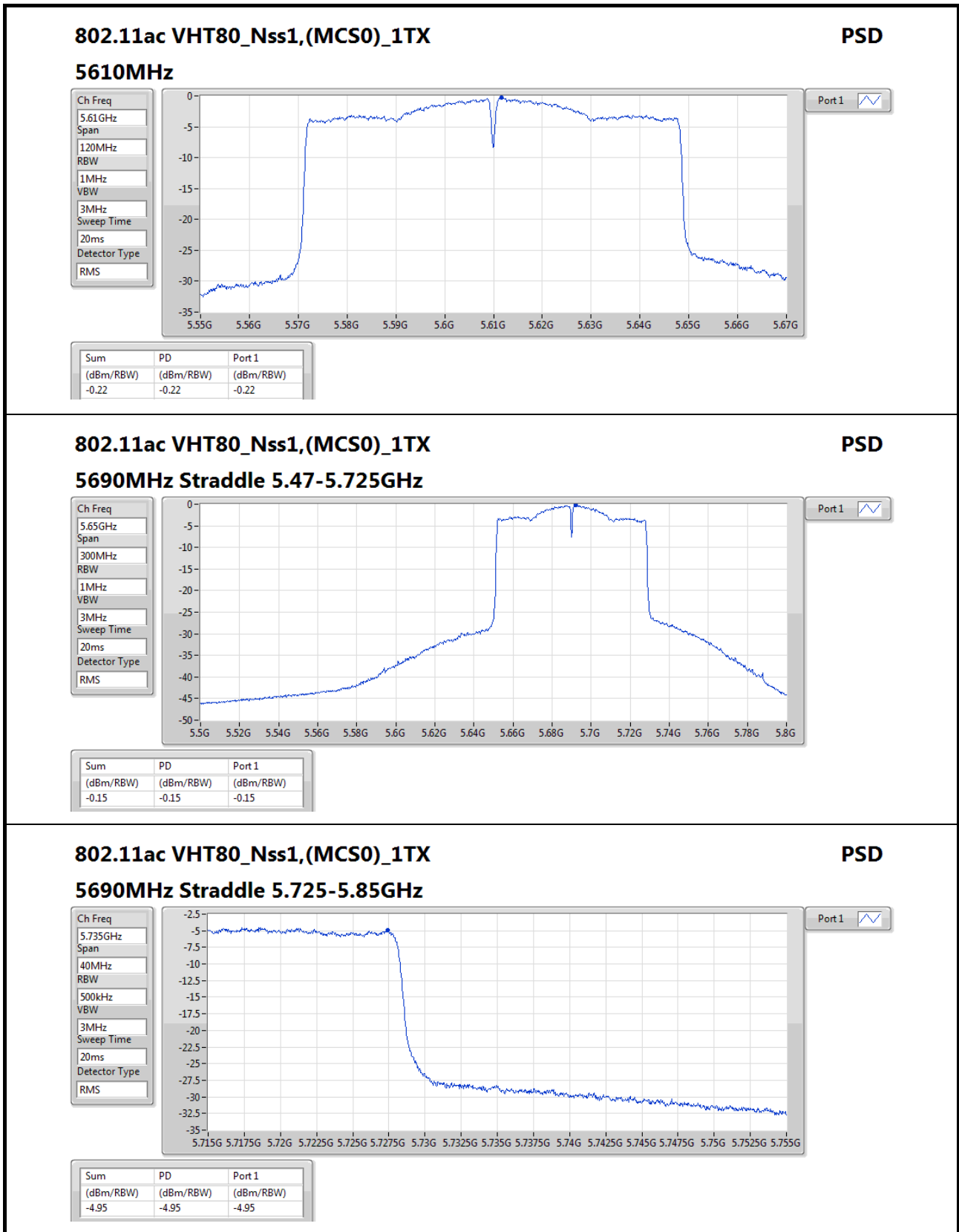


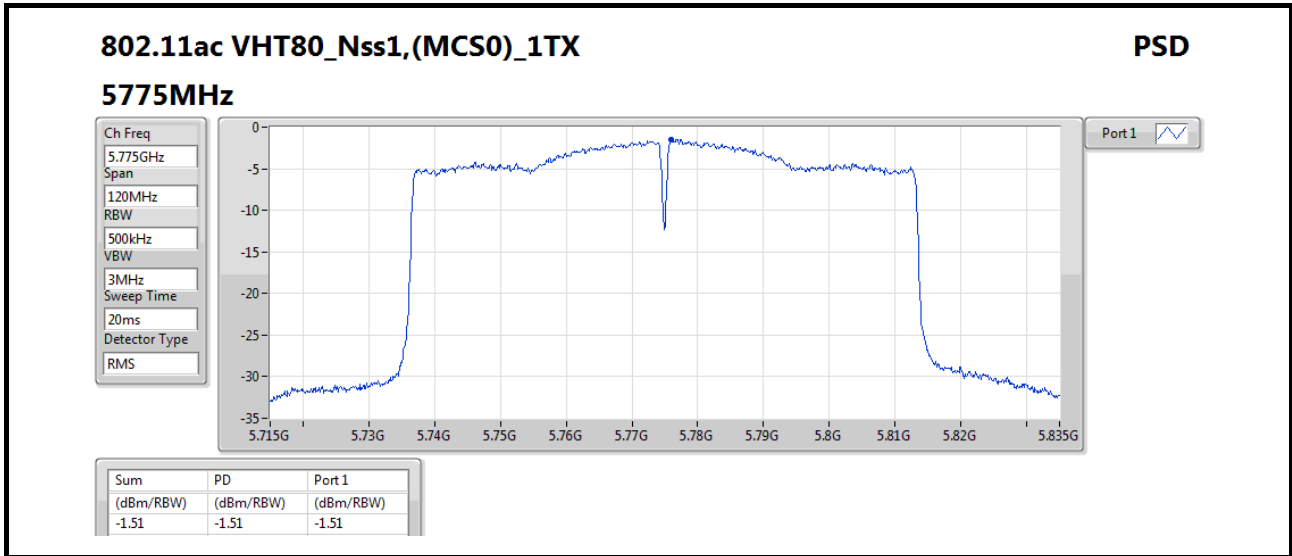














**For Radio 2 - Master mode 5GHz band 1:
Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	7.47	11.89
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	7.11	11.53
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	3.76	8.18
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	-6.93	-2.51

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

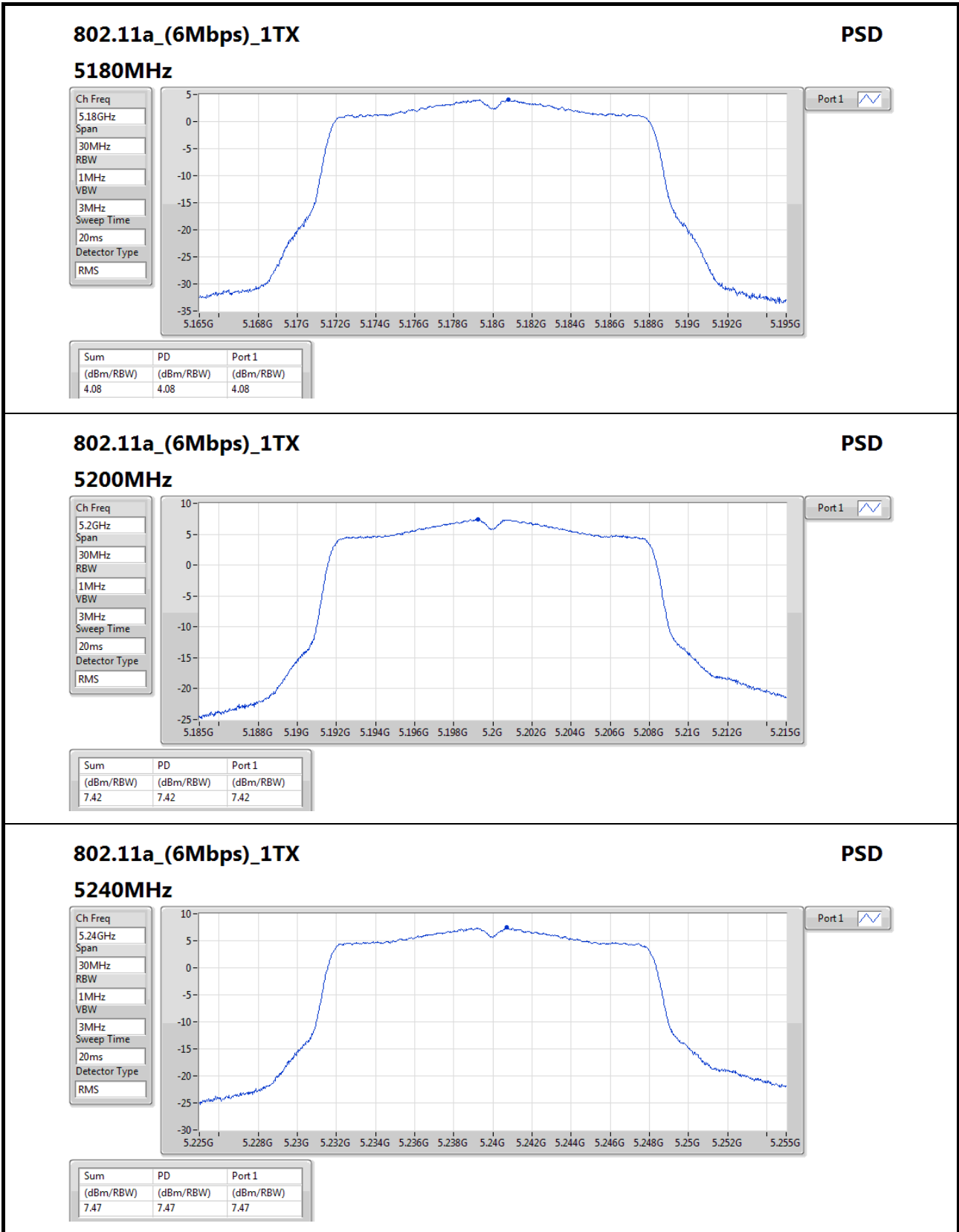


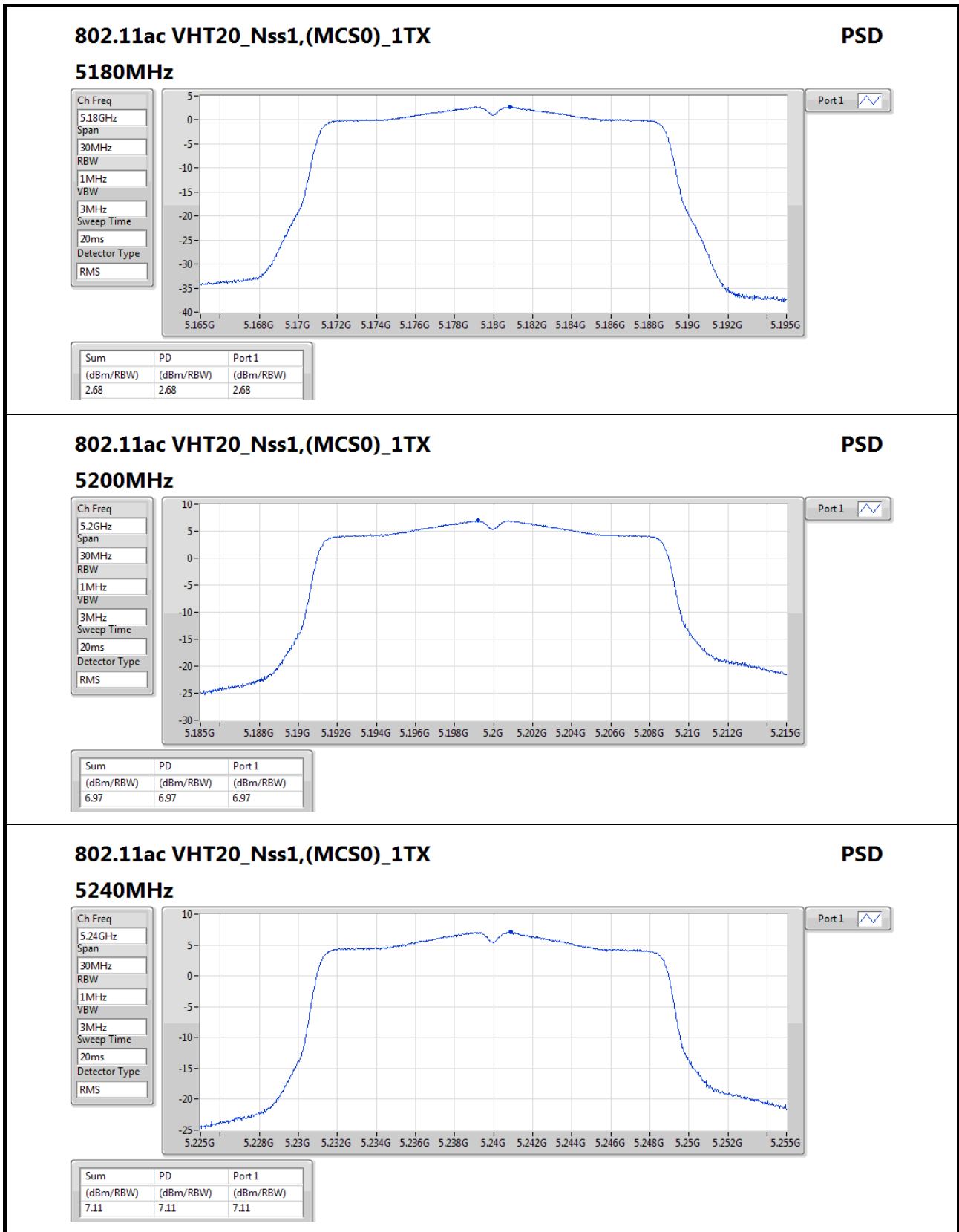
Result

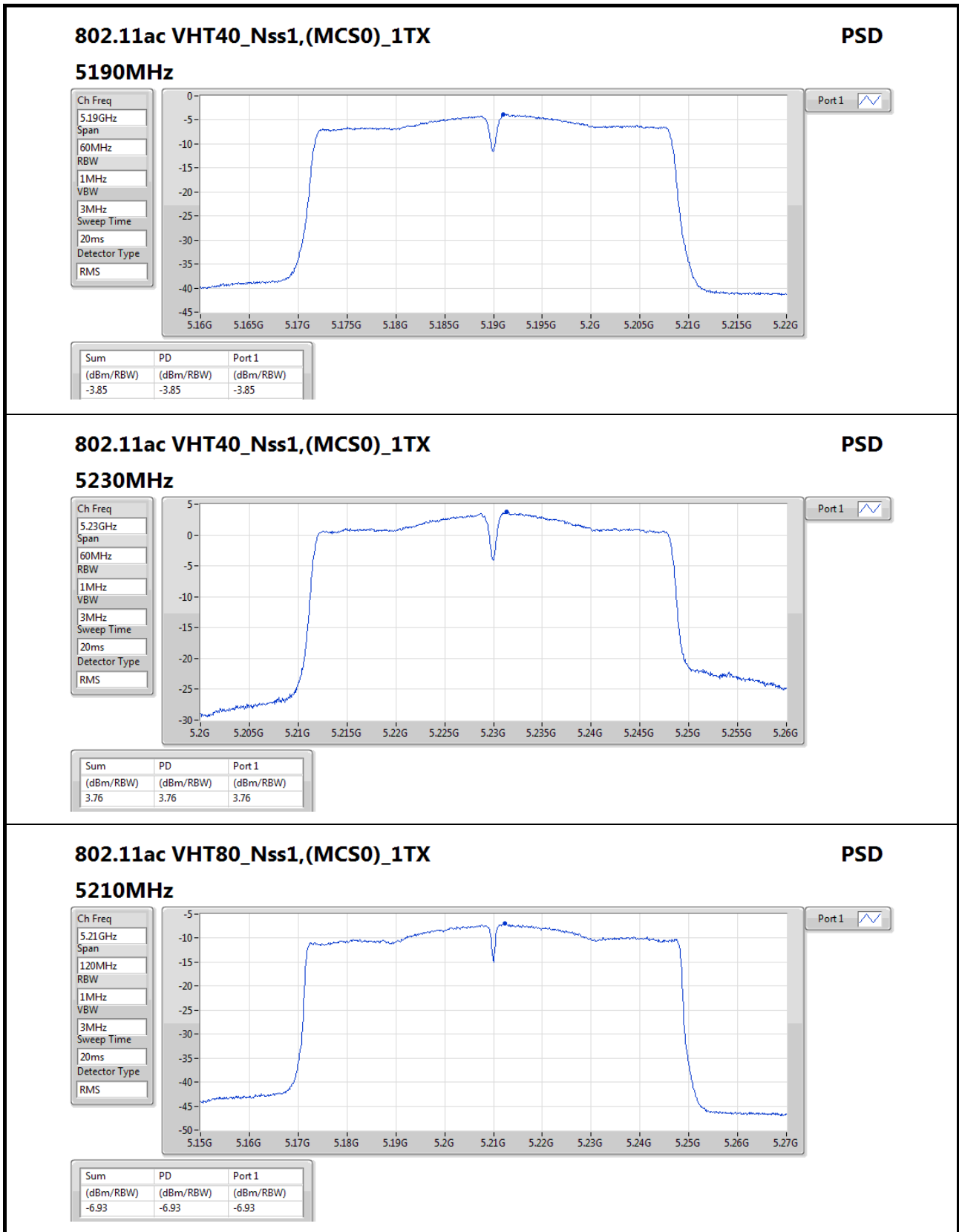
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	4.08	4.08	17.00
5200MHz	Pass	4.42	7.42	7.42	17.00
5240MHz	Pass	4.42	7.47	7.47	17.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.42	2.68	2.68	17.00
5200MHz	Pass	4.42	6.97	6.97	17.00
5240MHz	Pass	4.42	7.11	7.11	17.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.42	-3.85	-3.85	17.00
5230MHz	Pass	4.42	3.76	3.76	17.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.42	-6.93	-6.93	17.00

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

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;









**For Radio 2 - Slave without radar detection mode 5GHz band 1~4 and Master mode 5GHz band 4:
Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	7.47	11.89
5.25-5.35GHz	7.47	11.89
5.47-5.725GHz	6.30	10.72
5.725-5.85GHz	4.94	9.36
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	7.11	11.53
5.25-5.35GHz	6.93	11.35
5.47-5.725GHz	5.74	10.16
5.725-5.85GHz	4.55	8.97
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	3.76	8.18
5.25-5.35GHz	3.74	8.16
5.47-5.725GHz	2.52	6.94
5.725-5.85GHz	1.50	5.92
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-
5.15-5.25GHz	-6.93	-2.51
5.25-5.35GHz	-3.57	0.85
5.47-5.725GHz	-0.39	4.03
5.725-5.85GHz	-2.22	2.20

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



Result

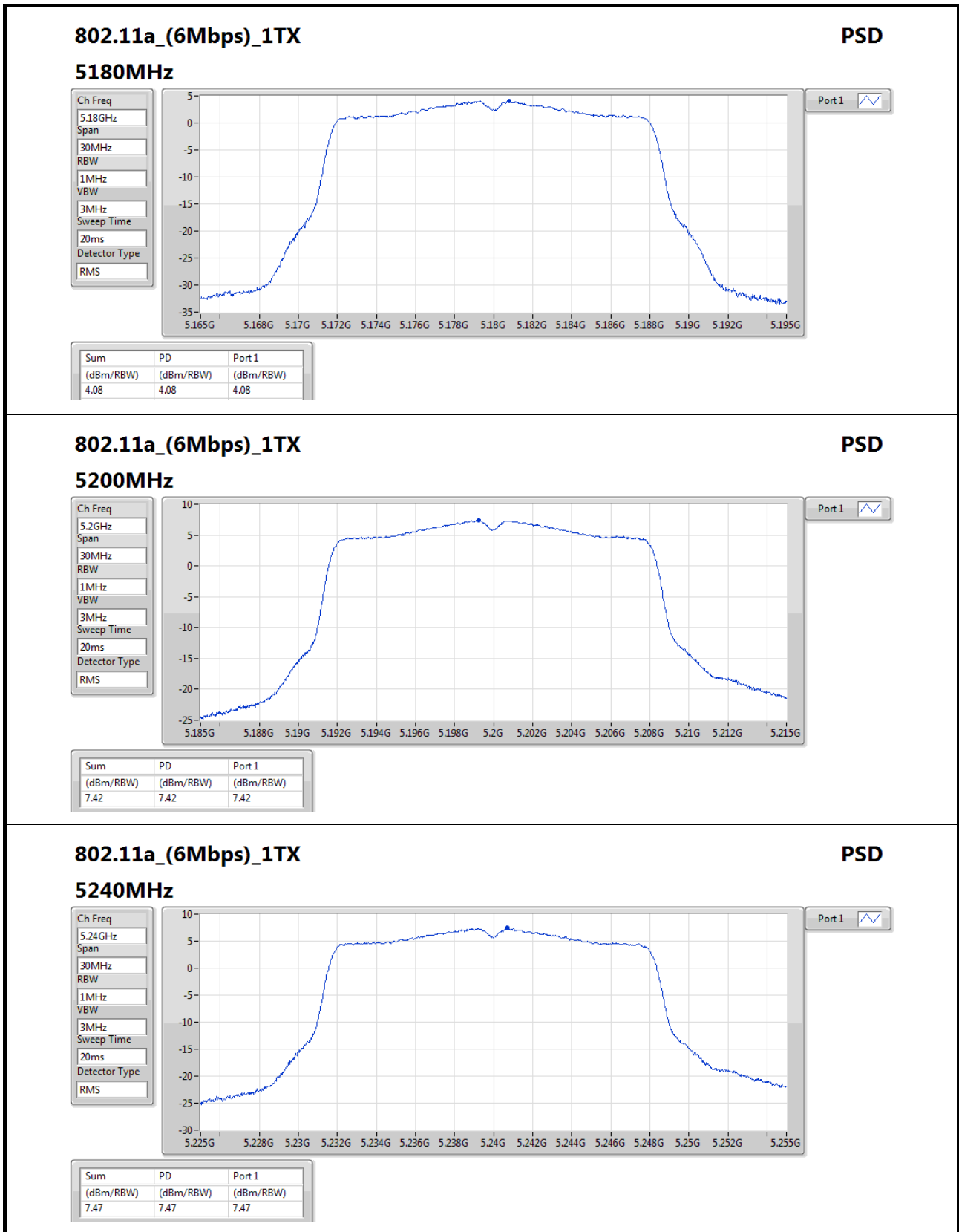
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.42	4.08	4.08	11.00	8.50
5200MHz	Pass	4.42	7.42	7.42	11.00	11.84
5240MHz	Pass	4.42	7.47	7.47	11.00	11.89
5260MHz	Pass	4.42	7.34	7.34	11.00	11.76
5300MHz	Pass	4.42	7.47	7.47	11.00	11.89
5320MHz	Pass	4.42	5.48	5.48	11.00	9.90
5500MHz	Pass	4.42	3.38	3.38	11.00	7.80
5580MHz	Pass	4.42	6.05	6.05	11.00	10.47
5700MHz	Pass	4.42	3.96	3.96	11.00	8.38
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	6.30	6.30	11.00	10.72
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	2.22	2.22	30.00	6.64
5745MHz	Pass	4.42	4.94	4.94	30.00	9.36
5785MHz	Pass	4.42	4.69	4.69	30.00	9.11
5825MHz	Pass	4.42	4.51	4.51	30.00	8.93
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5180MHz	Pass	4.42	2.68	2.68	11.00	7.10
5200MHz	Pass	4.42	6.97	6.97	11.00	11.39
5240MHz	Pass	4.42	7.11	7.11	11.00	11.53
5260MHz	Pass	4.42	6.92	6.92	11.00	11.34
5300MHz	Pass	4.42	6.93	6.93	11.00	11.35
5320MHz	Pass	4.42	4.95	4.95	11.00	9.37
5500MHz	Pass	4.42	2.53	2.53	11.00	6.95
5580MHz	Pass	4.42	5.69	5.69	11.00	10.11
5700MHz	Pass	4.42	3.33	3.33	11.00	7.75
5720MHz Straddle 5.47-5.725GHz	Pass	4.42	5.74	5.74	11.00	10.16
5720MHz Straddle 5.725-5.85GHz	Pass	4.42	1.80	1.80	30.00	6.22
5745MHz	Pass	4.42	4.55	4.55	30.00	8.97
5785MHz	Pass	4.42	4.44	4.44	30.00	8.86
5825MHz	Pass	4.42	4.18	4.18	30.00	8.60
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	4.42	-3.85	-3.85	11.00	0.57
5230MHz	Pass	4.42	3.76	3.76	11.00	8.18
5270MHz	Pass	4.42	3.74	3.74	11.00	8.16
5310MHz	Pass	4.42	0.34	0.34	11.00	4.76
5510MHz	Pass	4.42	-2.38	-2.38	11.00	2.04
5550MHz	Pass	4.42	2.24	2.24	11.00	6.66
5670MHz	Pass	4.42	1.65	1.65	11.00	6.07
5710MHz Straddle 5.47-5.725GHz	Pass	4.42	2.52	2.52	11.00	6.94
5710MHz Straddle 5.725-5.85GHz	Pass	4.42	-1.66	-1.66	30.00	2.76
5755MHz	Pass	4.42	1.50	1.50	30.00	5.92
5795MHz	Pass	4.42	1.22	1.22	30.00	5.64
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	4.42	-6.93	-6.93	11.00	-2.51

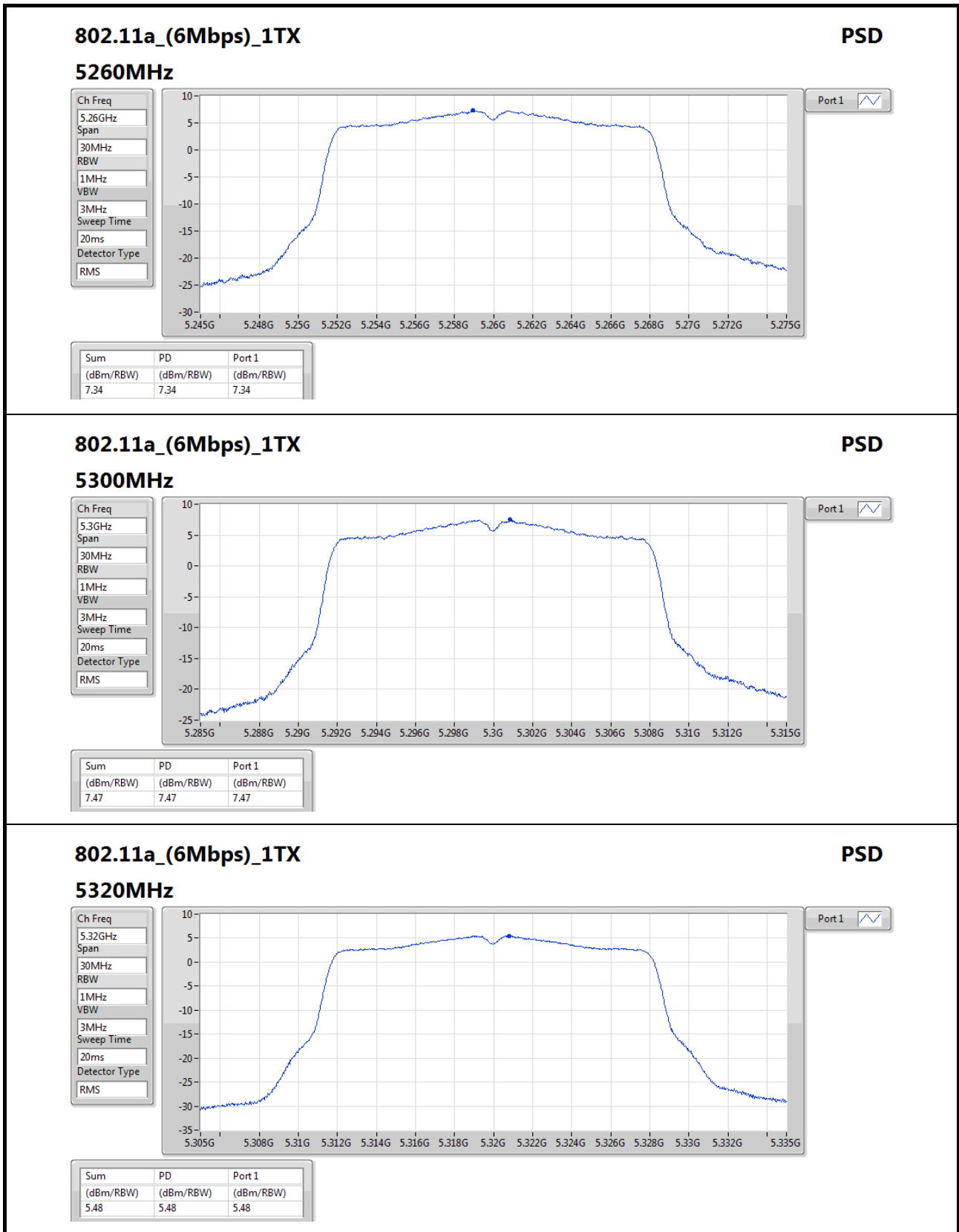


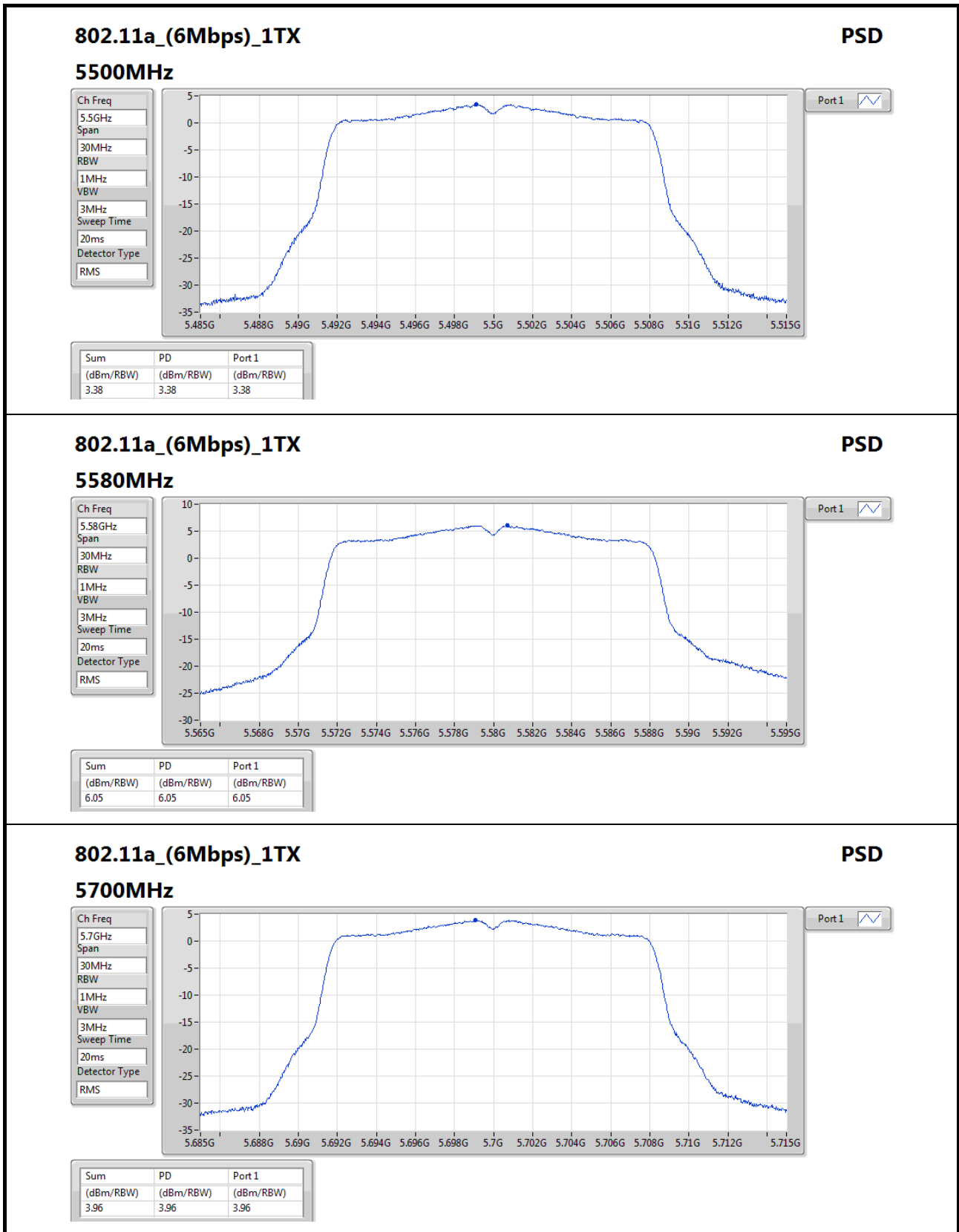
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)
5290MHz	Pass	4.42	-3.57	-3.57	11.00	0.85
5530MHz	Pass	4.42	-4.35	-4.35	11.00	0.07
5610MHz	Pass	4.42	-0.50	-0.50	11.00	3.92
5690MHz Straddle 5.47-5.725GHz	Pass	4.42	-0.39	-0.39	11.00	4.03
5690MHz Straddle 5.725-5.85GHz	Pass	4.42	-5.30	-5.30	30.00	-0.88
5775MHz	Pass	4.42	-2.22	-2.22	30.00	2.20

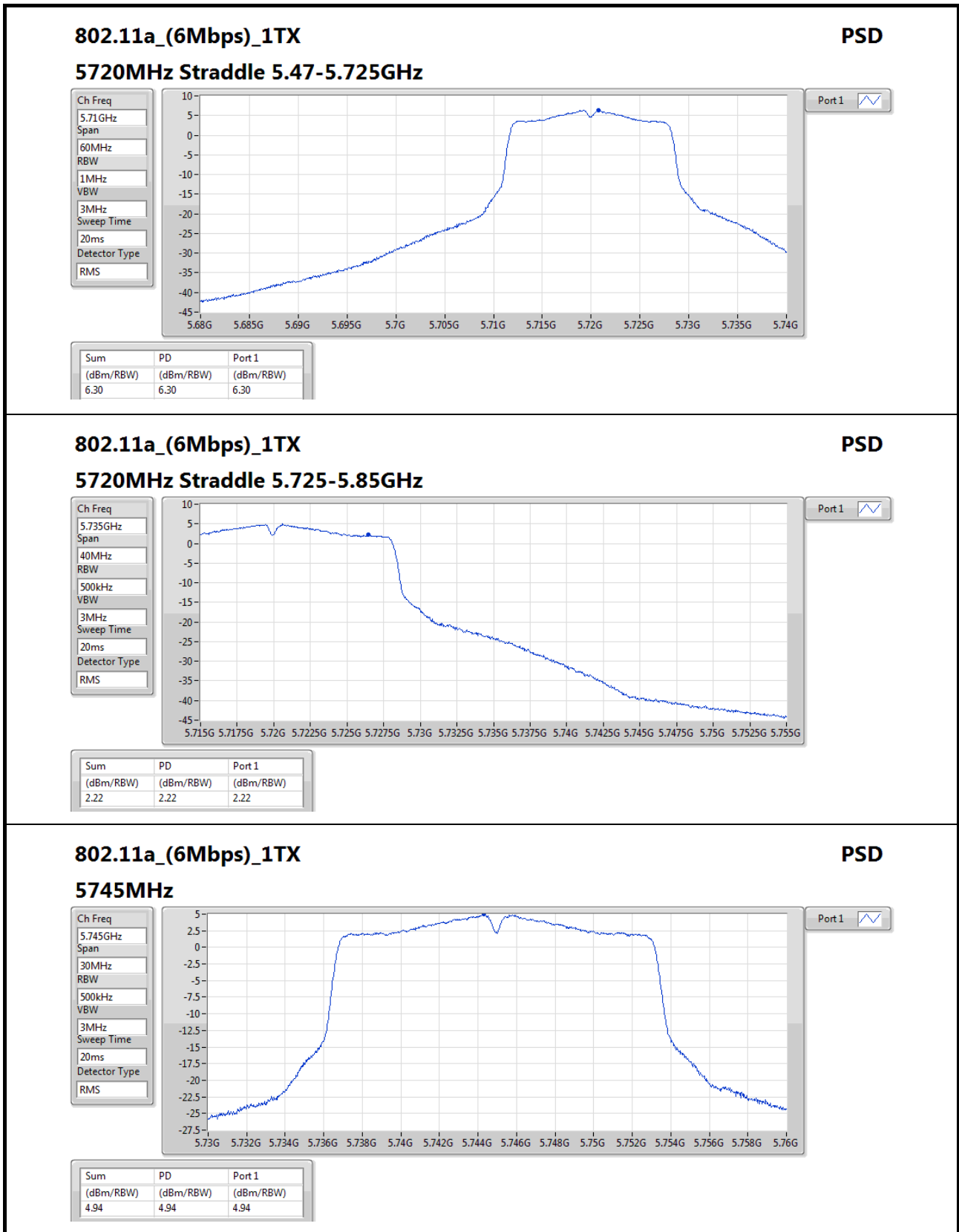
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;








802.11a_(6Mbps)_1TX
PSD

5745MHz

Ch Freq
5.745GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

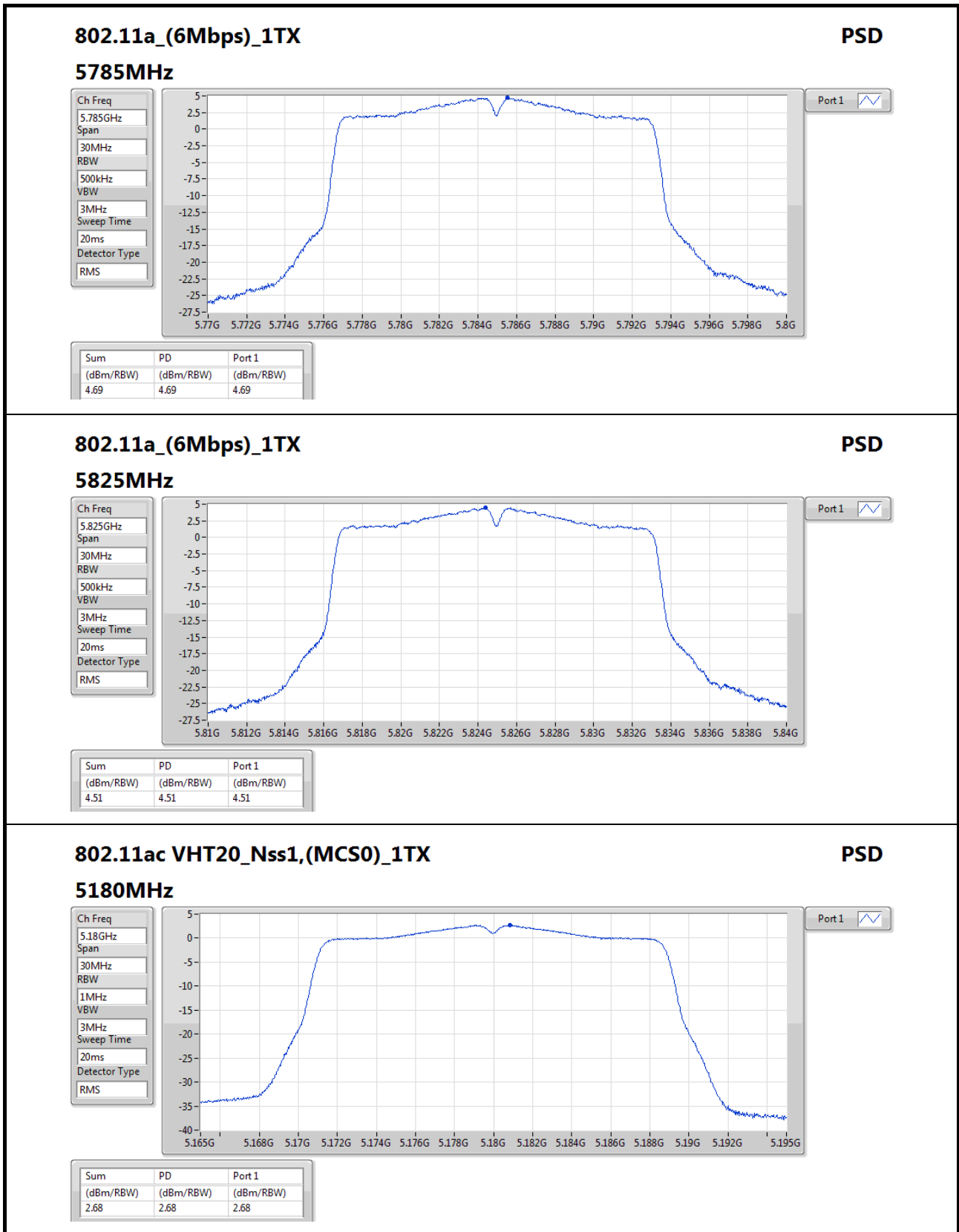
Sweep Time
20ms

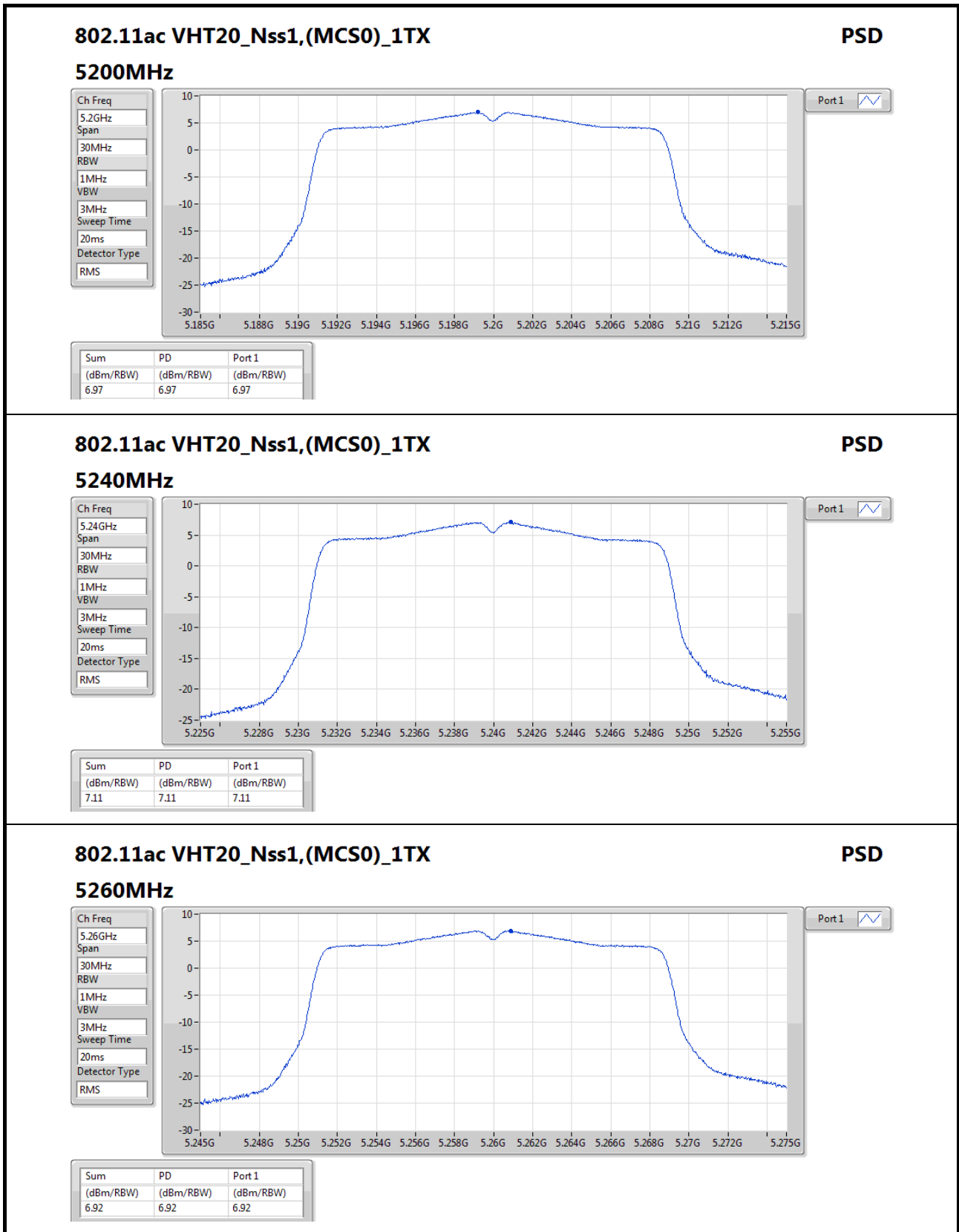
Detector Type
RMS

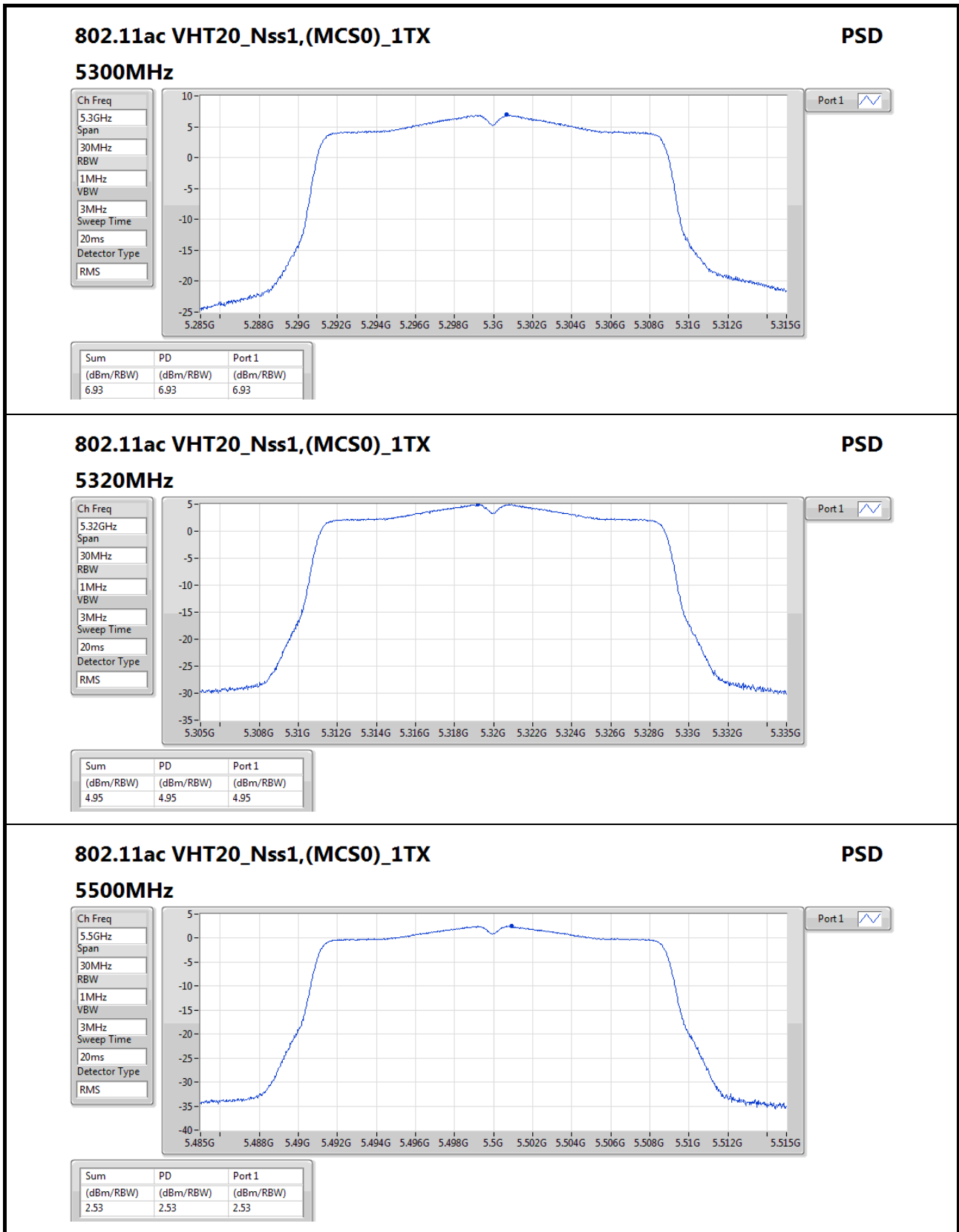


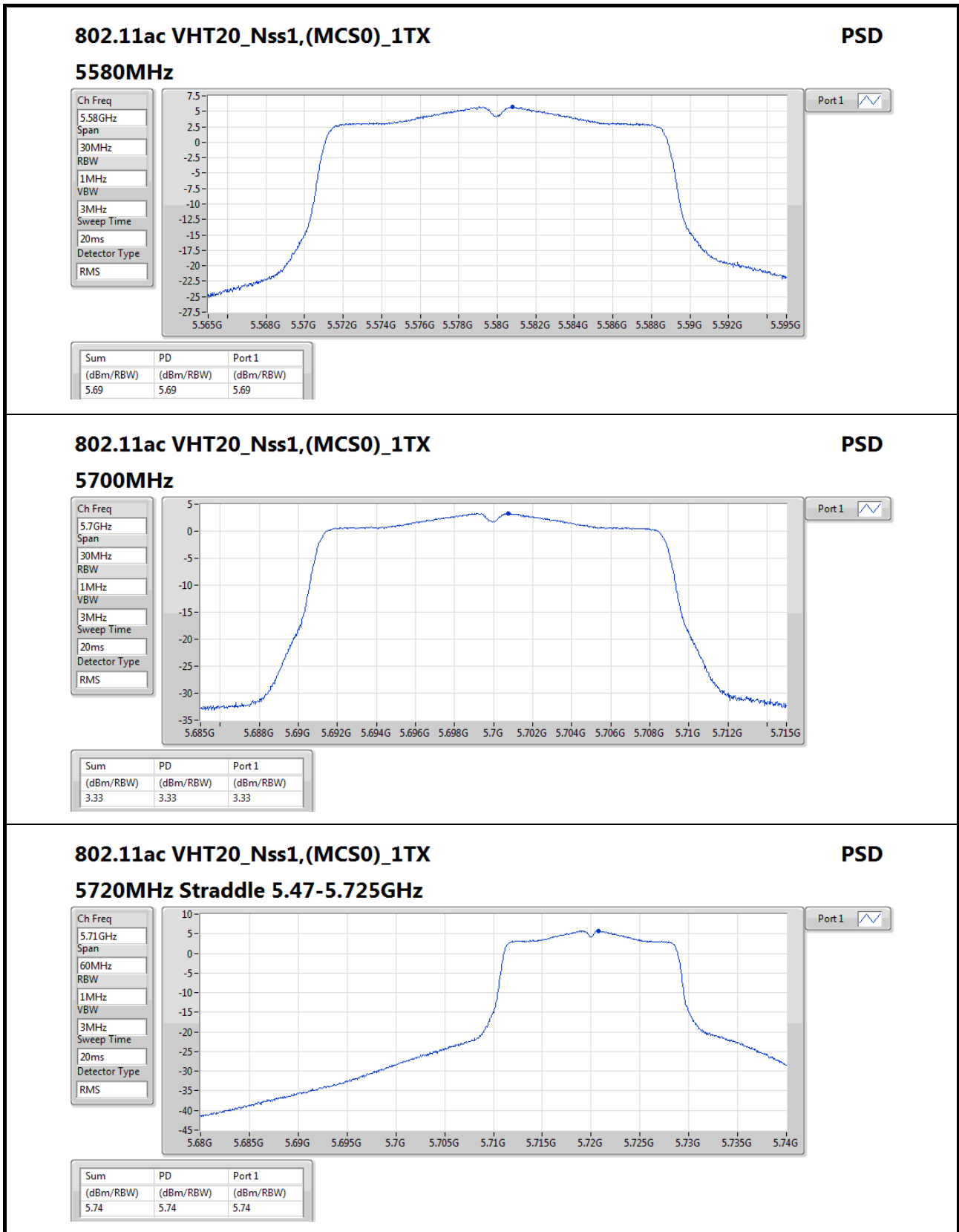
Port 1

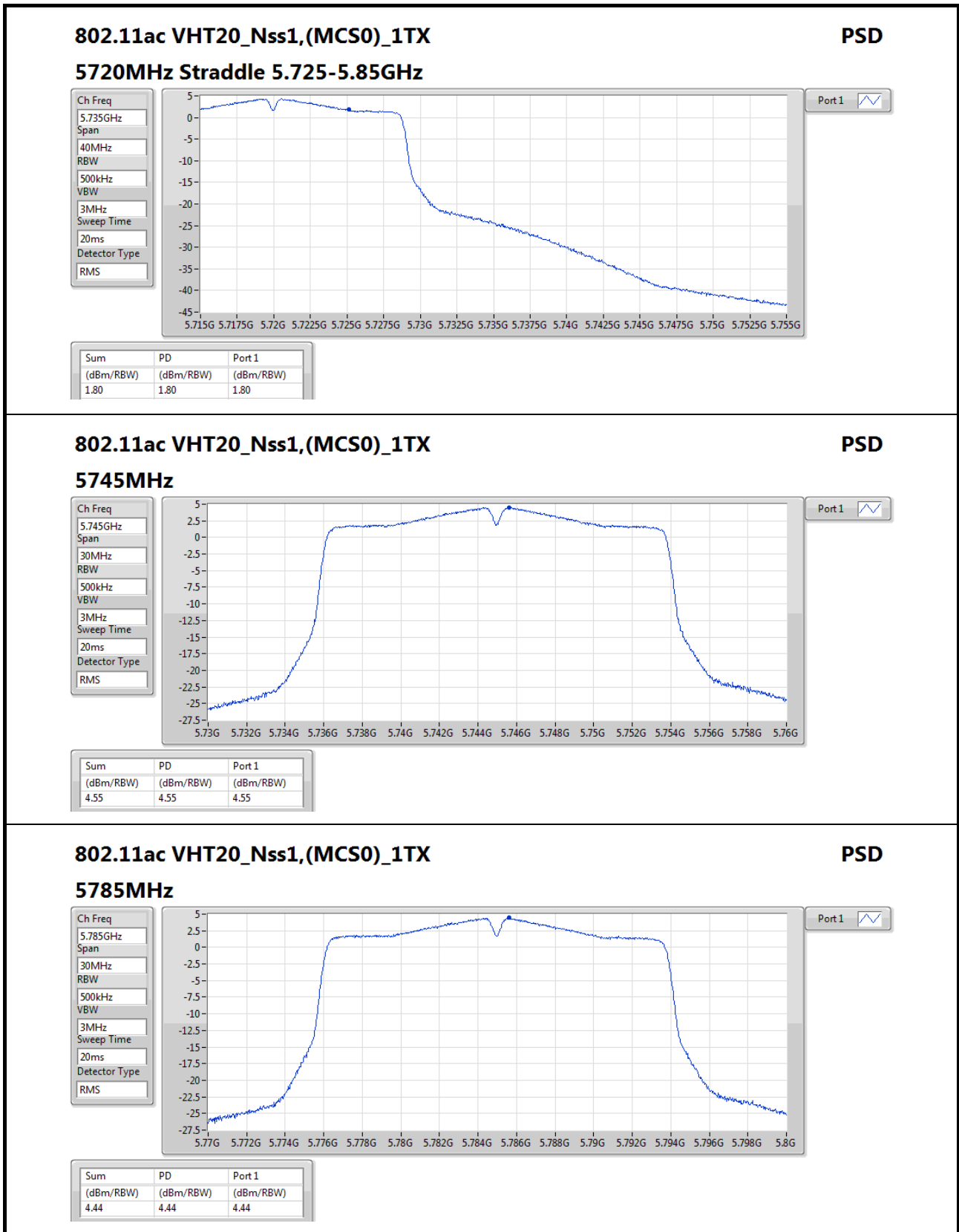
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.94	4.94	4.94

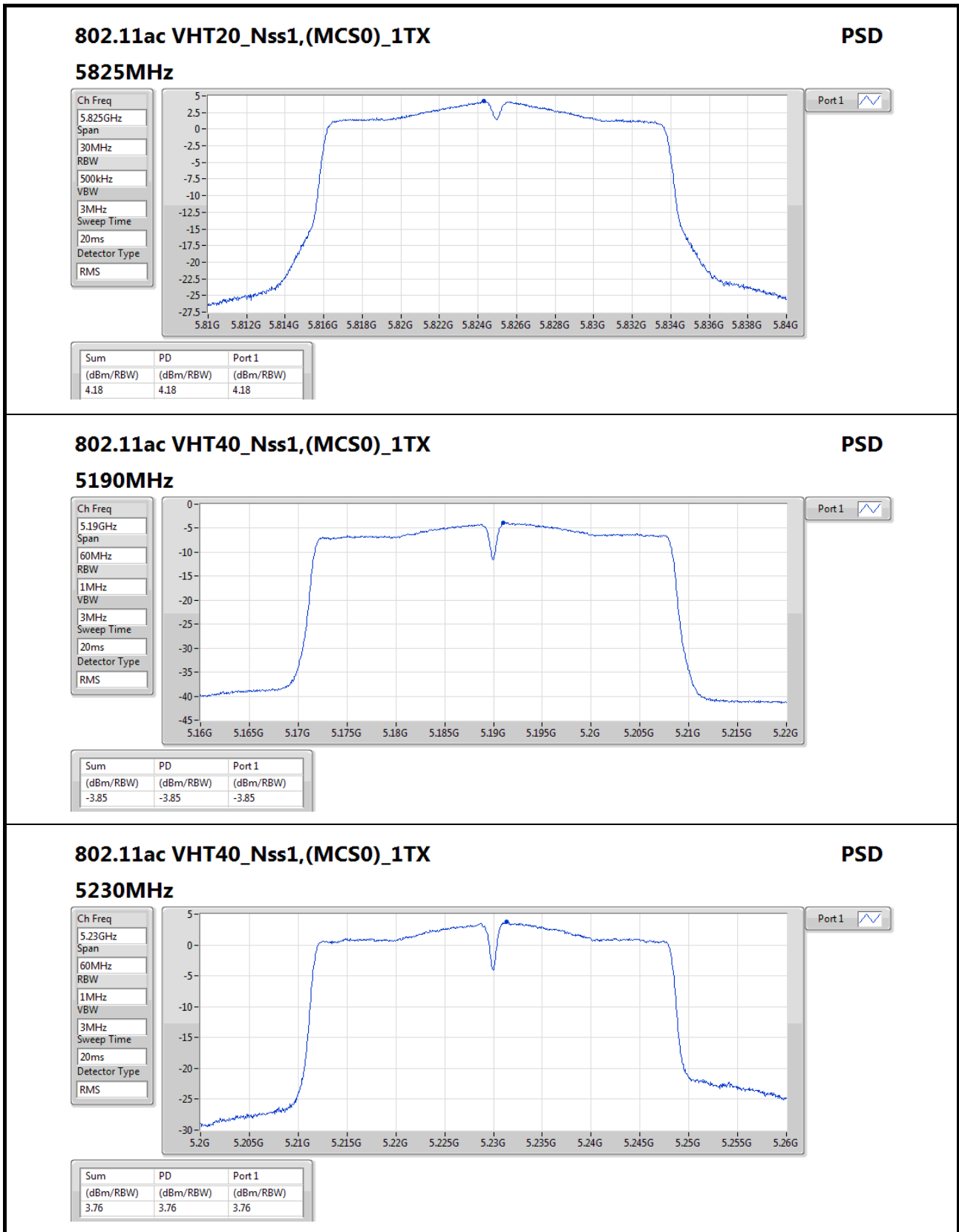


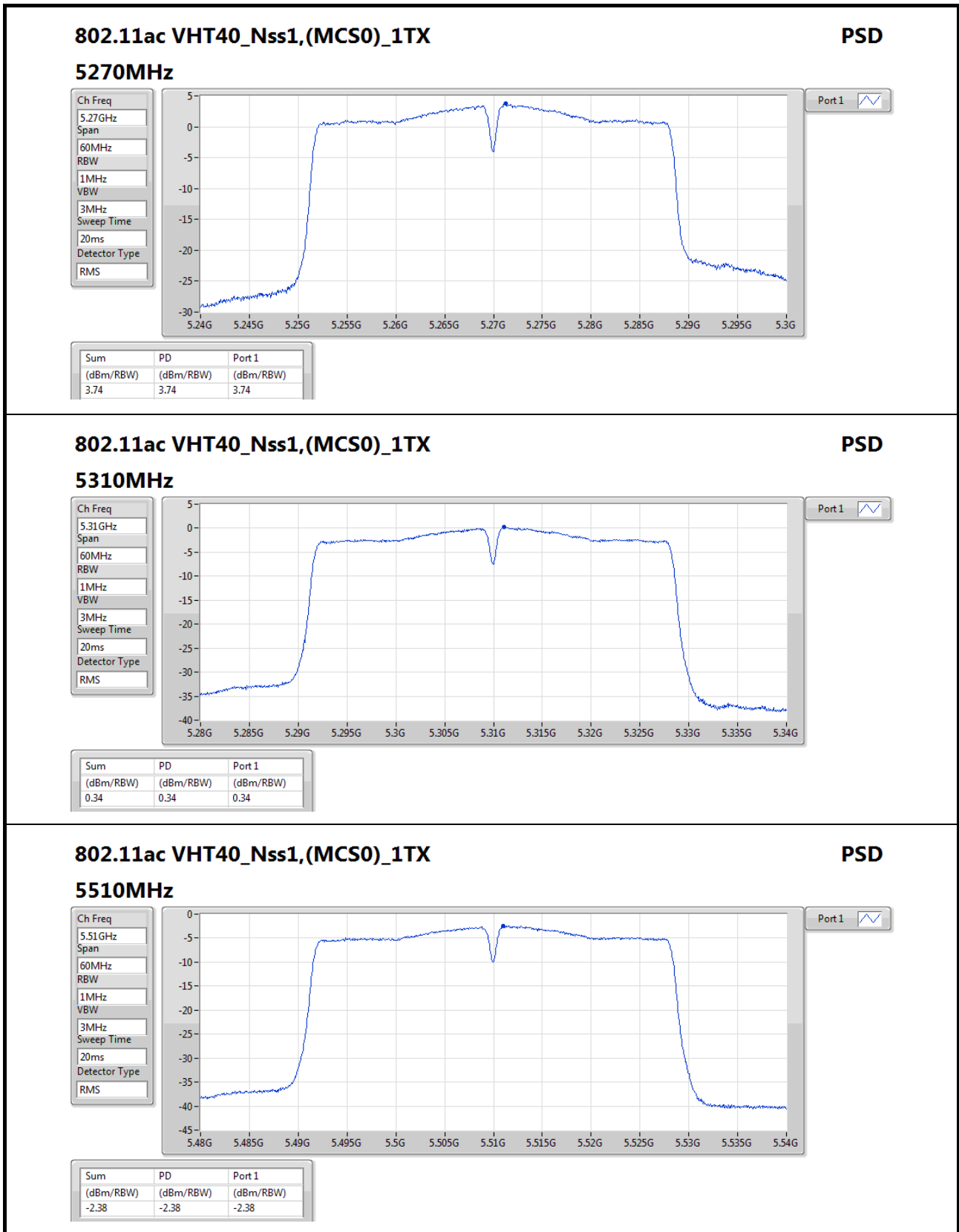


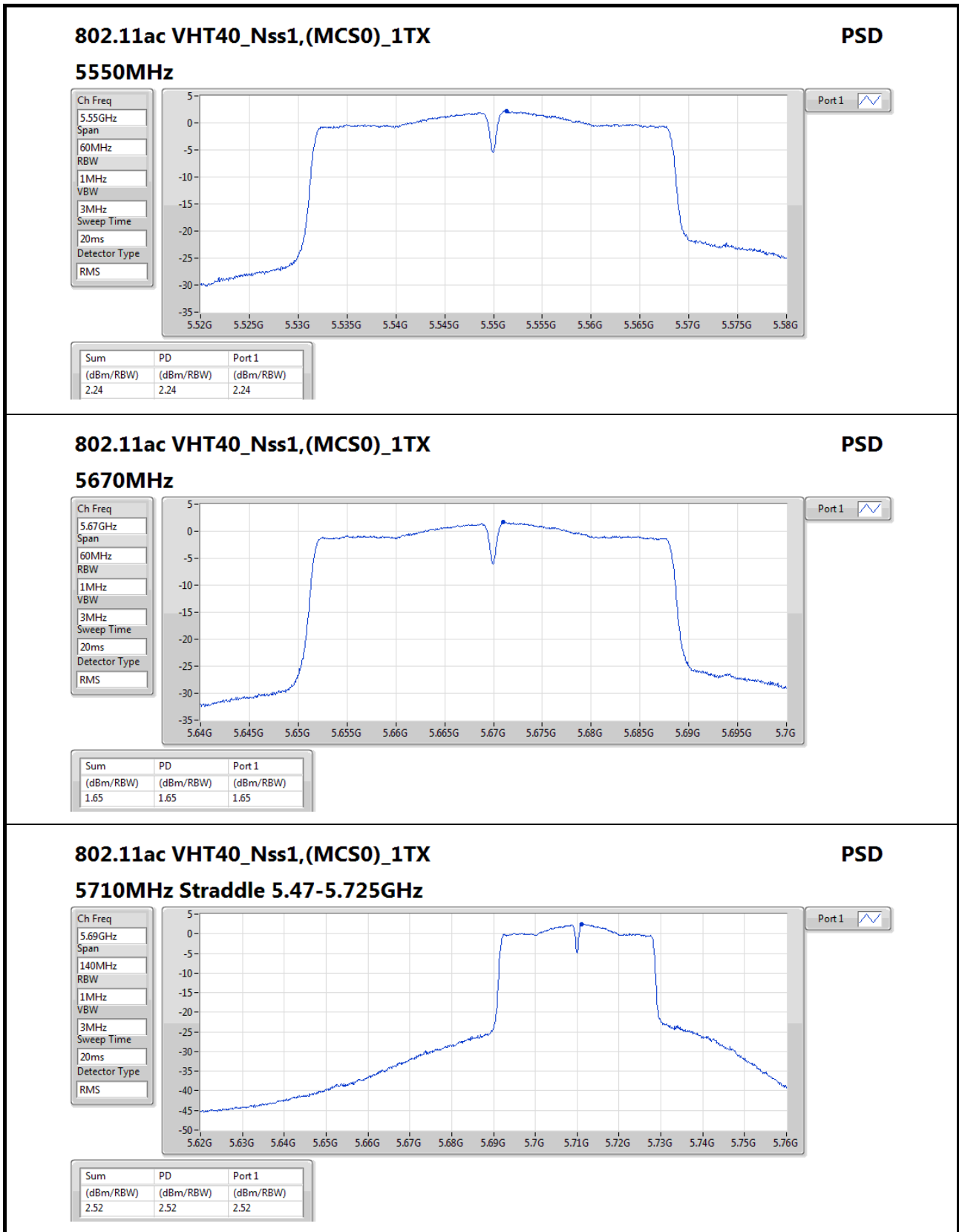


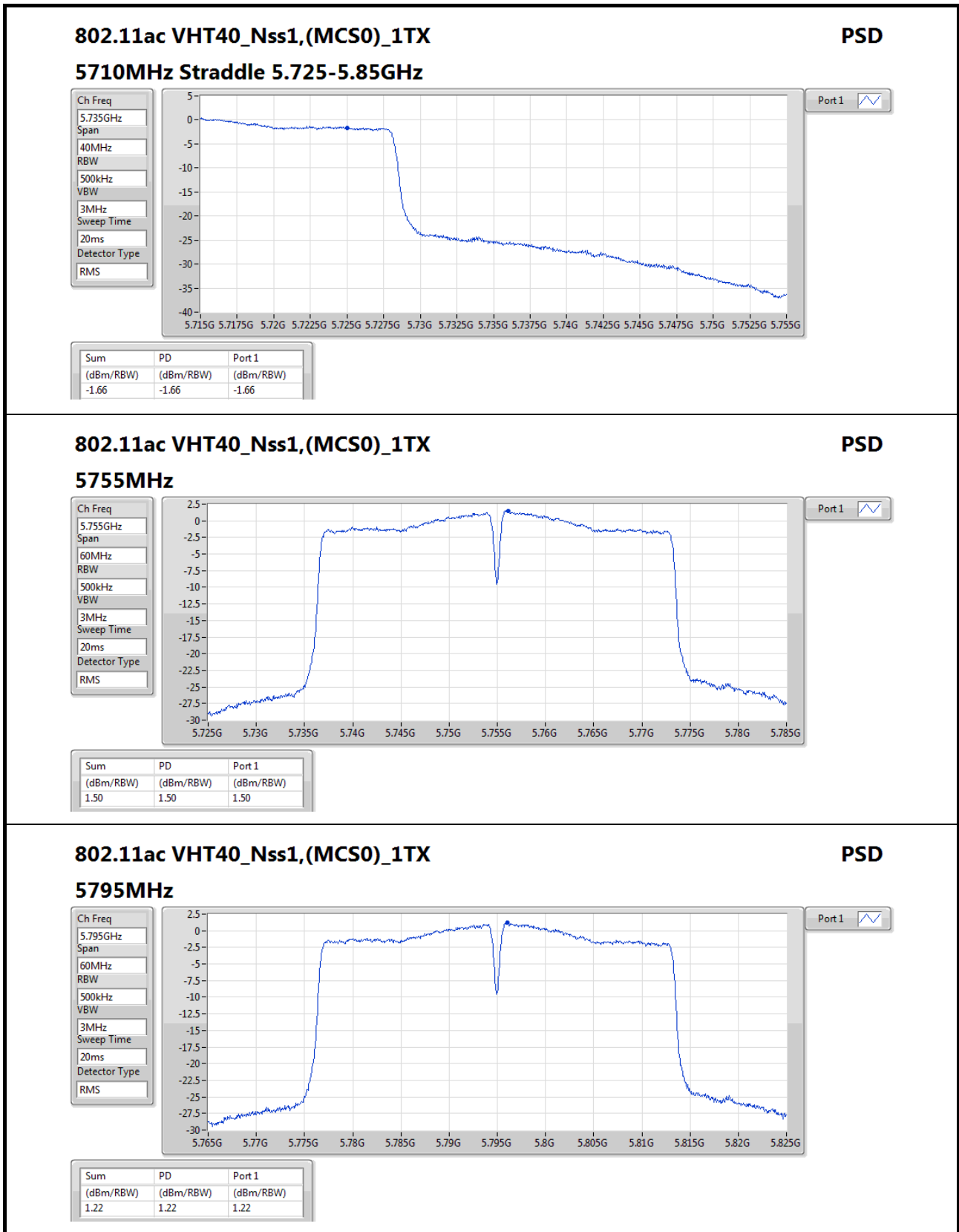











802.11ac VHT40_Nss1,(MCS0)_1TX
PSD

5795MHz

Ch Freq
5.795GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

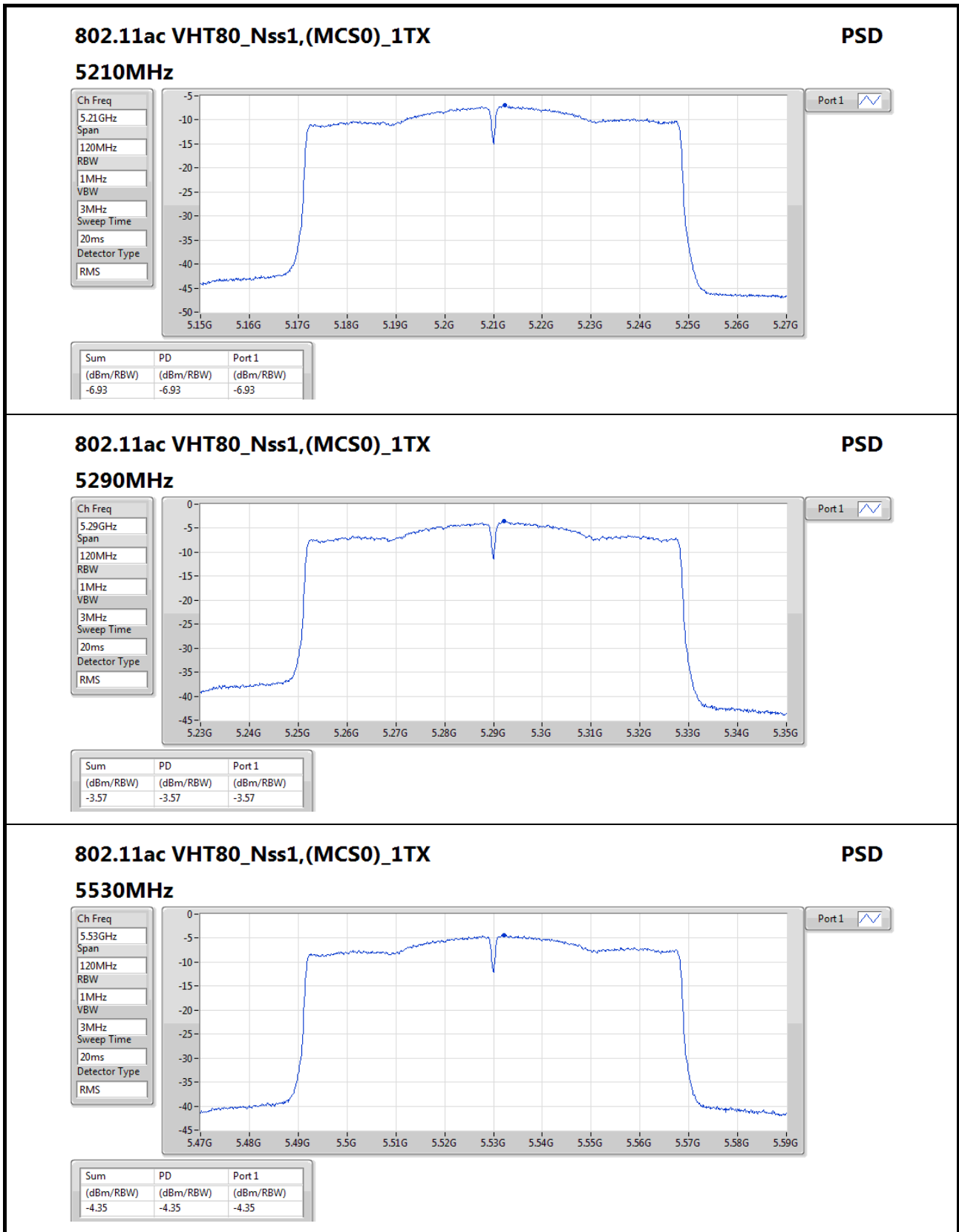
Sweep Time
20ms

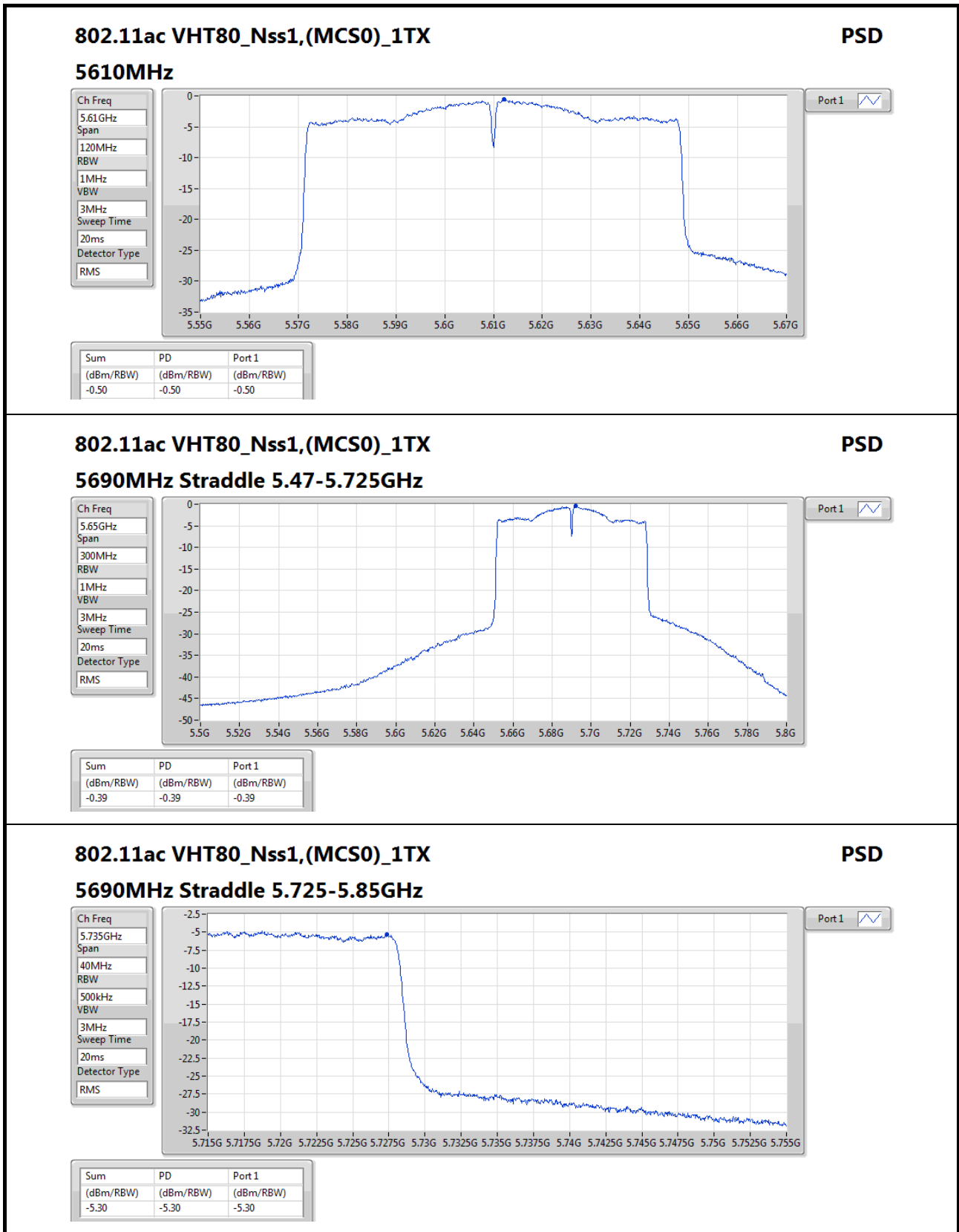
Detector Type
RMS

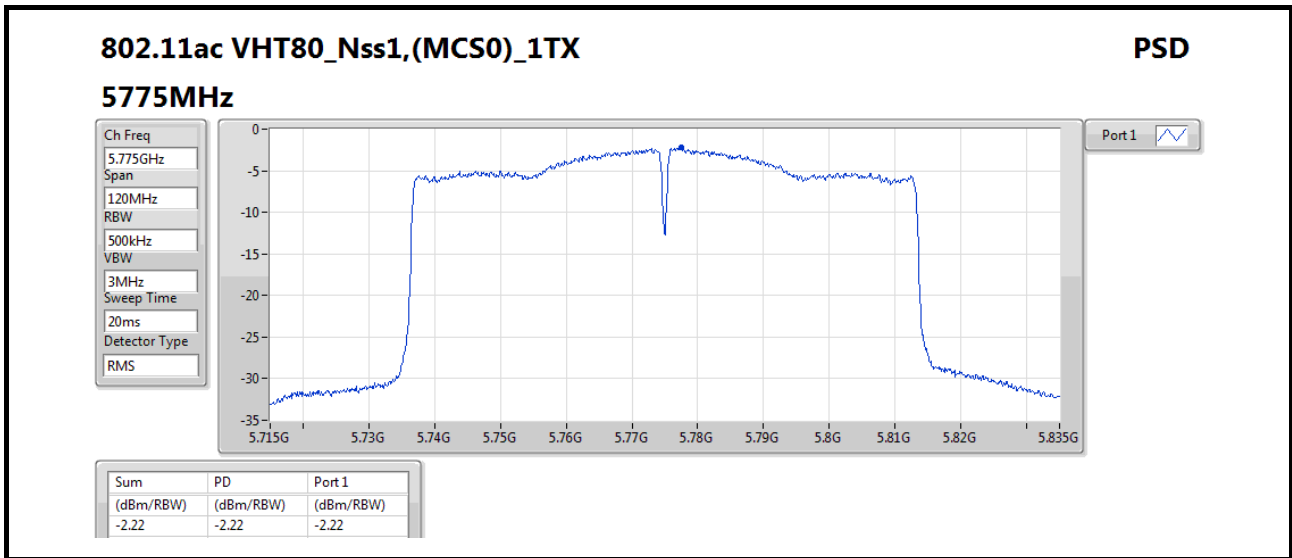


Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.22	1.22	1.22

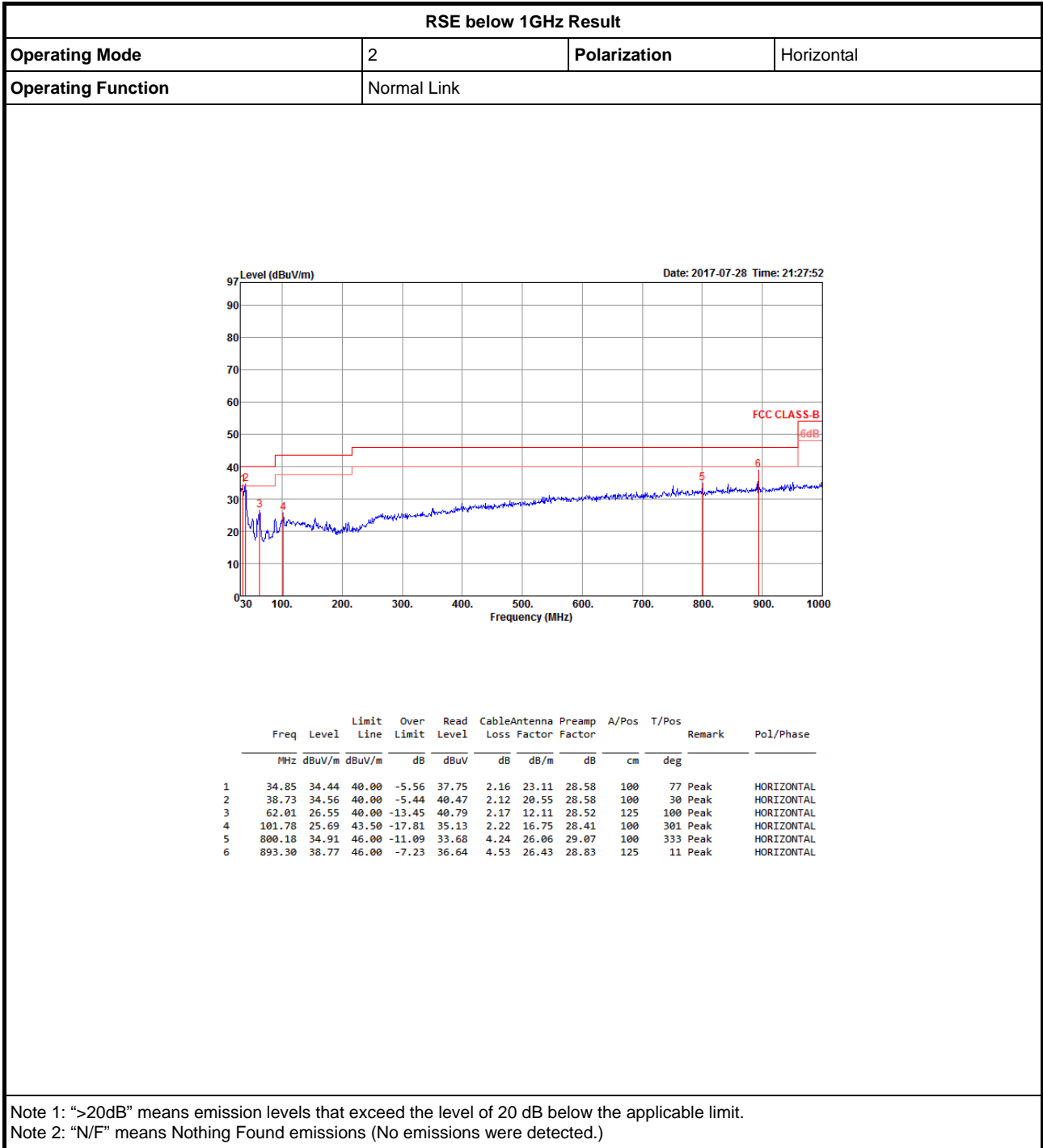








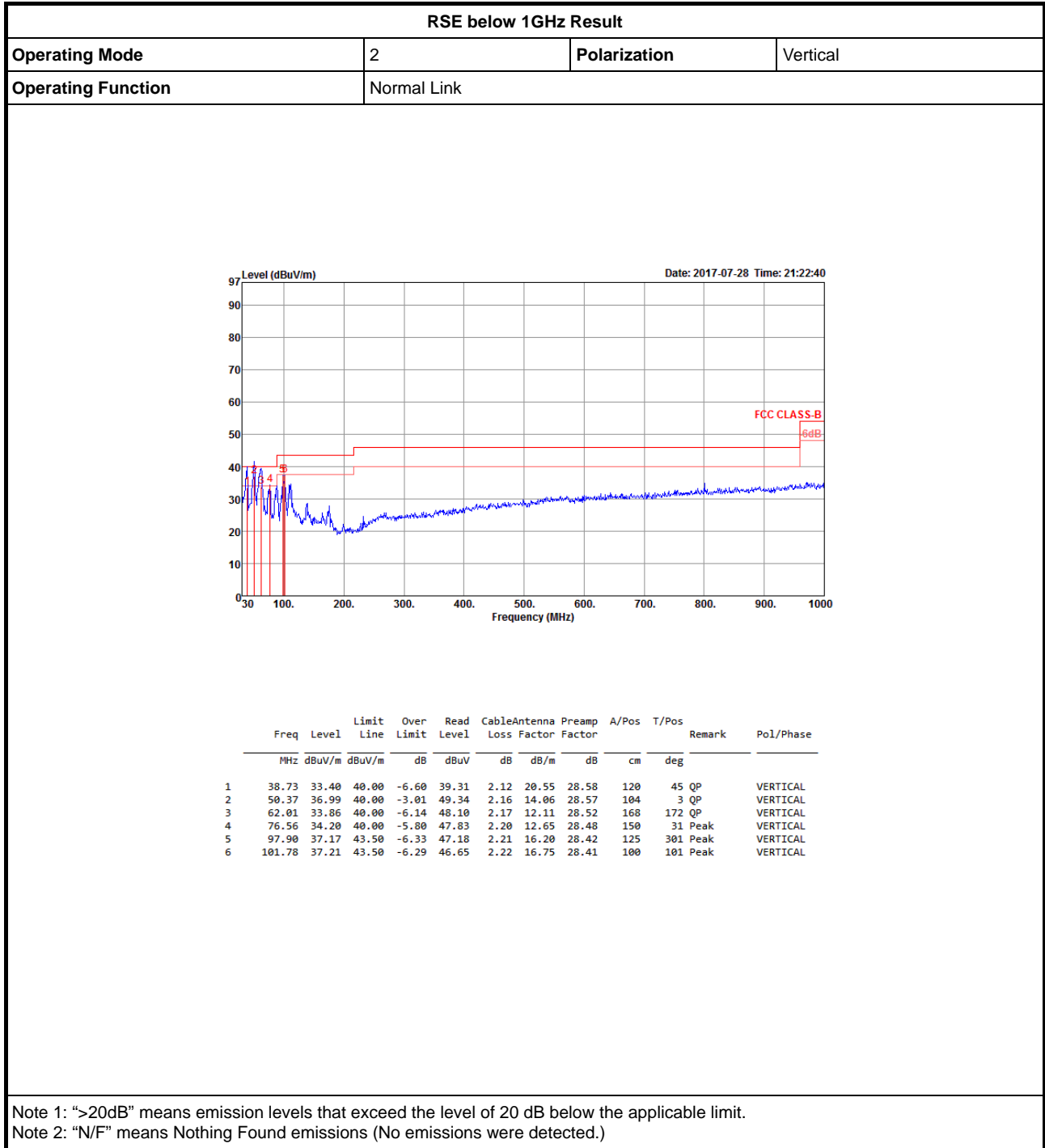
RSE below 1GHz Result





RSE below 1GHz Result

Appendix F.1



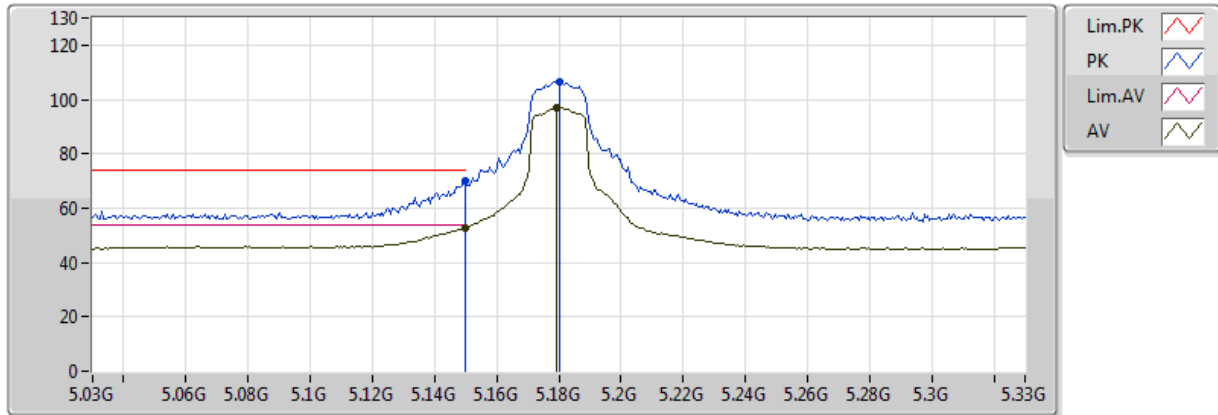


For Radio 1:
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.47-5.725GHz	Pass	AV	5.7252G	52.98	54.00	-1.02	6.25	3	V	19	2.99	-

802.11a_(6Mbps)_1TX

5180MHz_TX

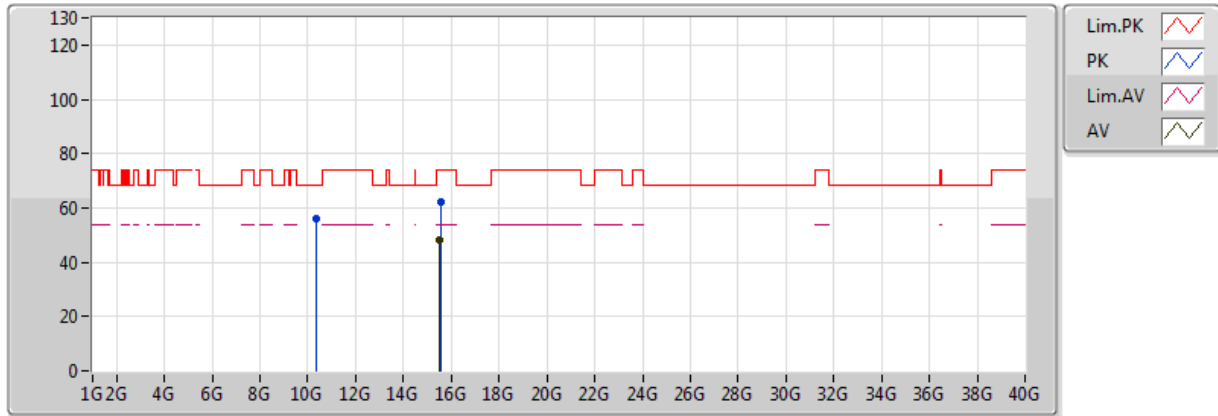


20170705
 EUT X_1TX
 Setting 67
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.92	54.00	-1.08	5.44	3	V	323	2.49	-
AV	5.1794G	97.11	Inf	-Inf	5.51	3	V	323	2.49	-
PK	5.149995G	69.85	74.00	-4.15	5.44	3	V	323	2.49	-
PK	5.18G	106.52	Inf	-Inf	5.51	3	V	323	2.49	-

802.11a_(6Mbps)_1TX

5180MHz_TX

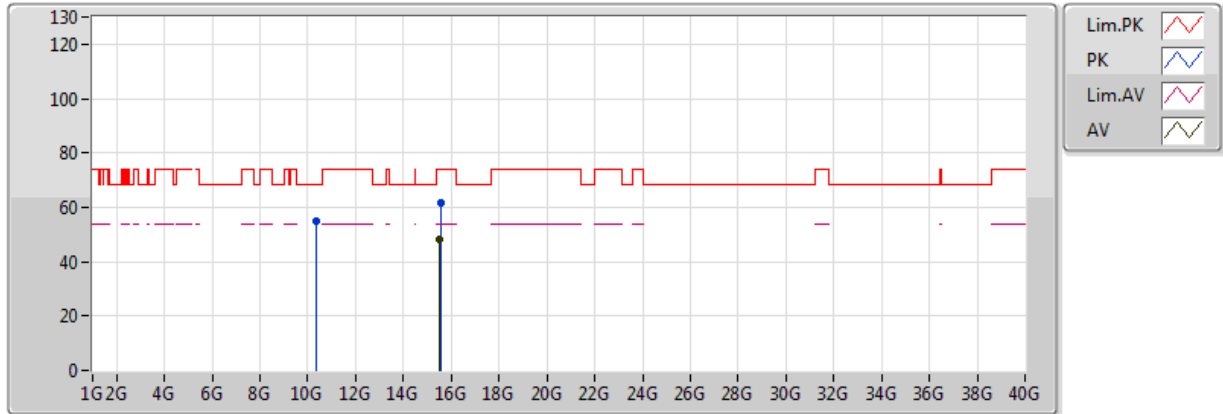


20170705
 EUT X_1TX
 Setting 67
 03-M-01
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53588G	48.32	54.00	-5.68	16.32	3	V	7	1.50	-
PK	10.3692G	55.77	68.20	-12.43	12.33	3	V	235	1.50	-
PK	15.53932G	62.25	74.00	-11.75	16.31	3	V	7	1.50	-

802.11a_(6Mbps)_1TX

5180MHz_TX

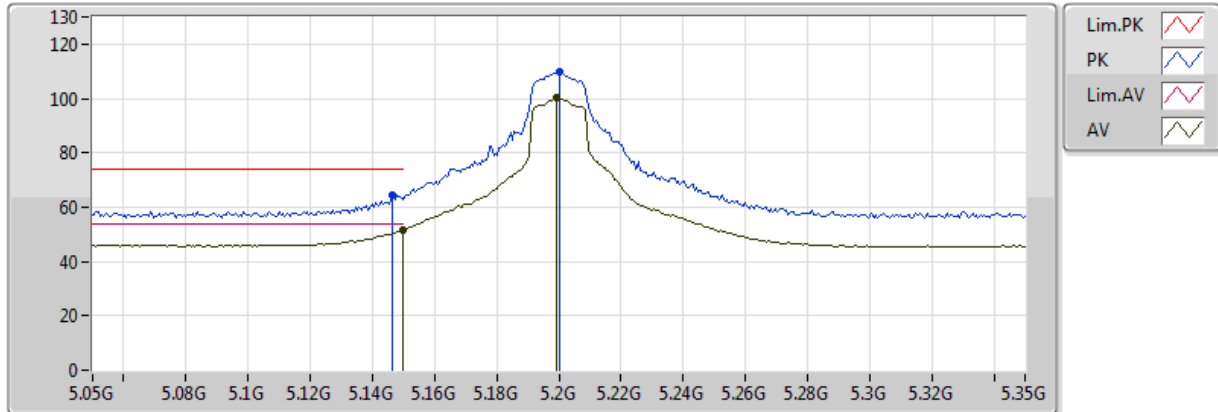


20170705
 EUT X_1TX
 Setting 67
 03-M-01
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53624G	48.35	54.00	-5.65	16.32	3	H	325	1.50	-
PK	10.36624G	55.18	68.20	-13.02	12.32	3	H	198	2.99	-
PK	15.53804G	61.39	74.00	-12.61	16.31	3	H	325	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

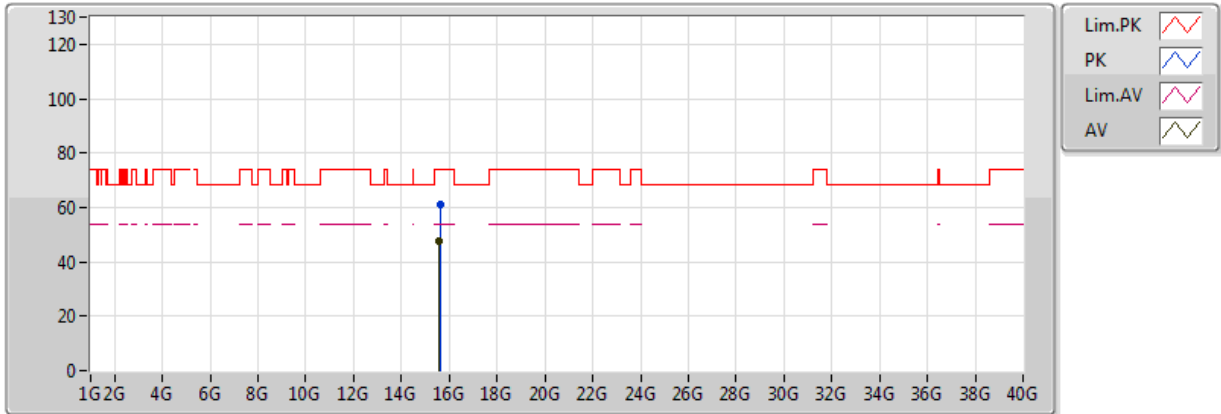


20170705
 EUT X_1TX
 Setting 80
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.83	54.00	-2.17	5.44	3	V	313	1.25	-
AV	5.1994G	100.13	Inf	-Inf	5.55	3	V	313	1.25	-
PK	5.1466G	64.38	74.00	-9.62	5.44	3	V	313	1.25	-
PK	5.2G	109.62	Inf	-Inf	5.55	3	V	313	1.25	-

802.11a_(6Mbps)_1TX

5200MHz_TX

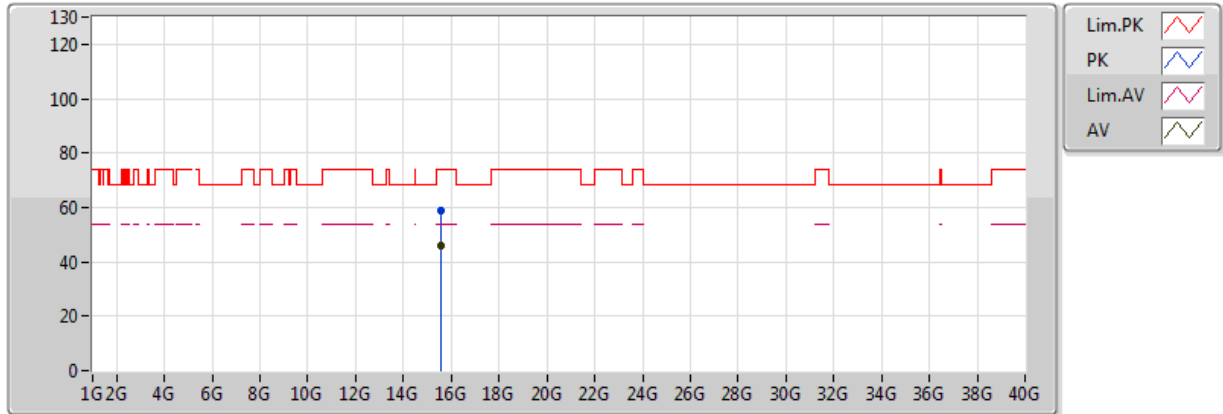


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.60036G	47.68	54.00	-6.32	13.73	3	V	16	1.89	-
PK	15.60144G	60.88	74.00	-13.12	13.72	3	V	16	1.89	-

802.11a_(6Mbps)_1TX

5200MHz_TX

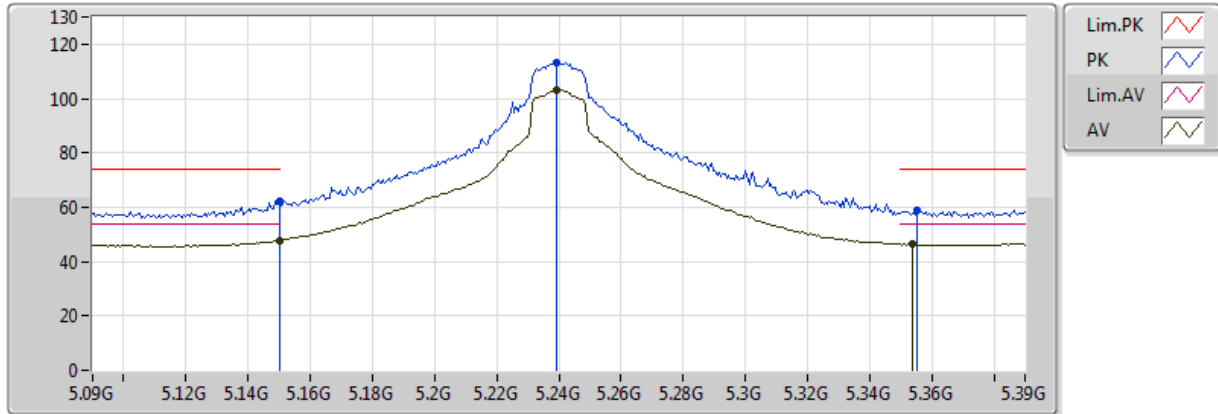


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5868G	45.95	54.00	-8.05	13.74	3	H	13	1.44	-
PK	15.58866G	58.68	74.00	-15.32	13.74	3	H	13	1.44	-

802.11a_(6Mbps)_1TX

5240MHz_TX



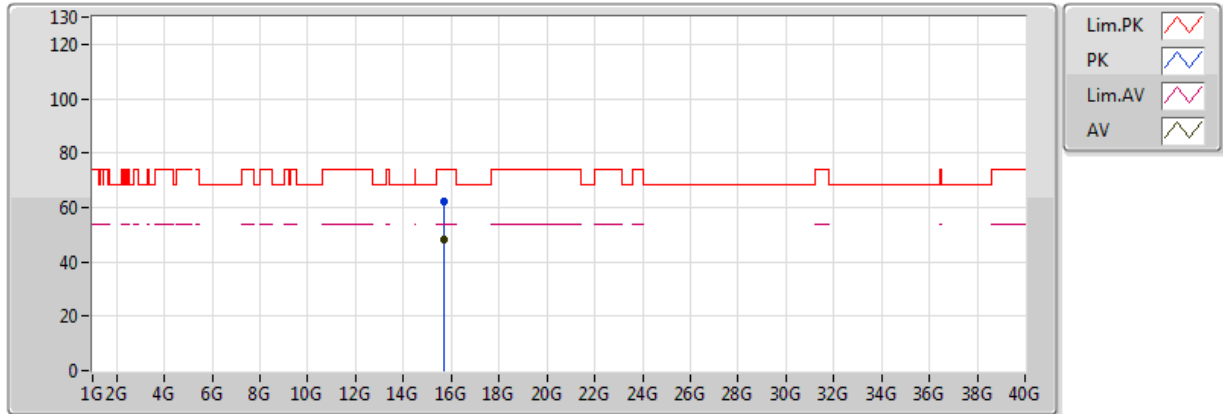
20170705
EUT_X_1TX
Setting 80
03-M-01-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	47.64	54.00	-6.36	5.44	3	V	320	1.11	-
AV	5.2394G	103.29	Inf	-Inf	5.62	3	V	320	1.11	-
AV	5.354G	46.50	54.00	-7.50	5.83	3	V	320	1.11	-
PK	5.149995G	62.43	74.00	-11.57	5.44	3	V	320	1.11	-
PK	5.2394G	113.02	Inf	-Inf	5.62	3	V	320	1.11	-
PK	5.3552G	58.87	74.00	-15.13	5.83	3	V	320	1.11	-



802.11a_(6Mbps)_1TX

5240MHz_TX

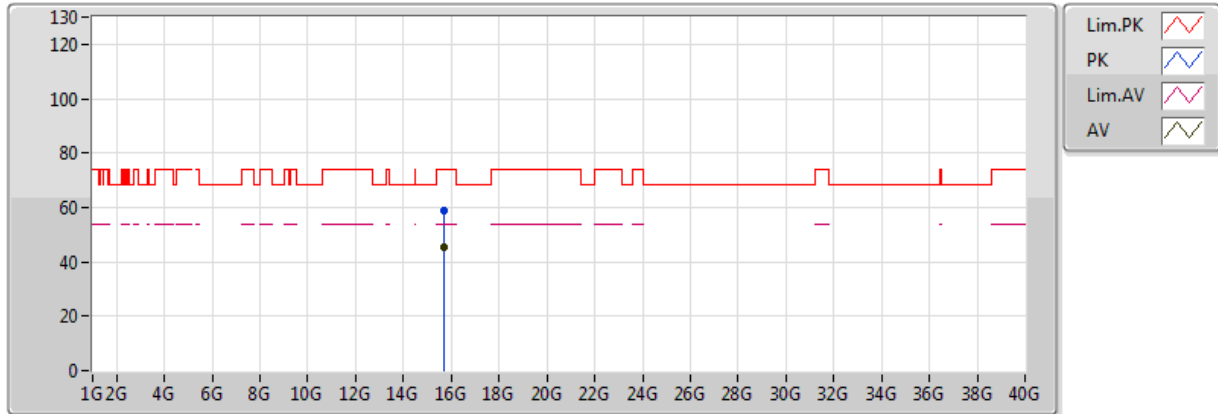


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71682G	48.42	54.00	-5.58	13.58	3	V	13	1.86	-
PK	15.71376G	62.37	74.00	-11.63	13.58	3	V	13	1.86	-

802.11a_(6Mbps)_1TX

5240MHz_TX

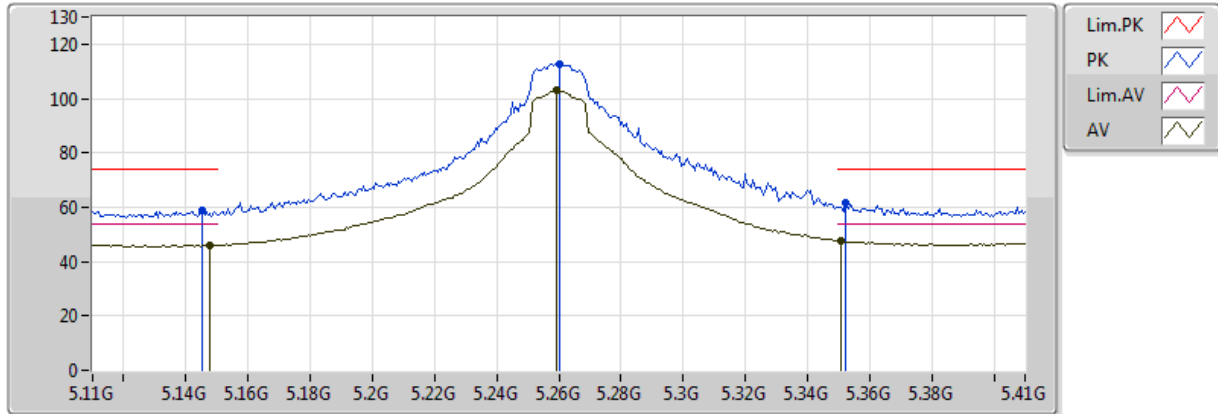


20170722
EUT_X_1TX
Setting 80
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72126G	45.45	54.00	-8.55	13.58	3	H	291	1.65	-
PK	15.7251G	58.62	74.00	-15.38	13.57	3	H	291	1.65	-

802.11a_(6Mbps)_1TX

5260MHz_TX



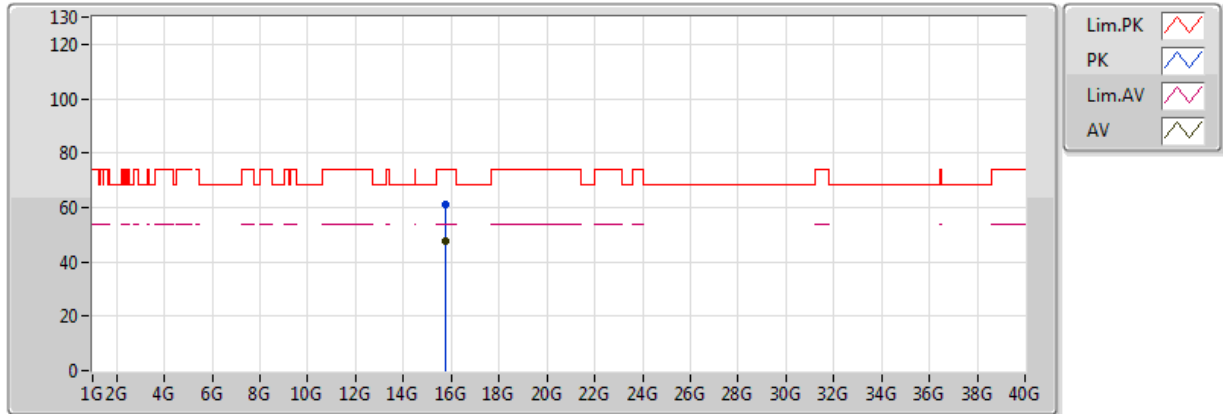
20170705
EUT_X_1TX
Setting 80
03-M-01-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1478G	46.13	54.00	-7.87	5.44	3	V	317	1.33	-
AV	5.2594G	102.98	Inf	-Inf	5.66	3	V	317	1.33	-
AV	5.3506G	47.59	54.00	-6.41	5.83	3	V	317	1.33	-
PK	5.1454G	58.80	74.00	-15.20	5.44	3	V	317	1.33	-
PK	5.26G	112.75	Inf	-Inf	5.66	3	V	317	1.33	-
PK	5.3524G	61.73	74.00	-12.27	5.83	3	V	317	1.33	-



802.11a_(6Mbps)_1TX

5260MHz_TX

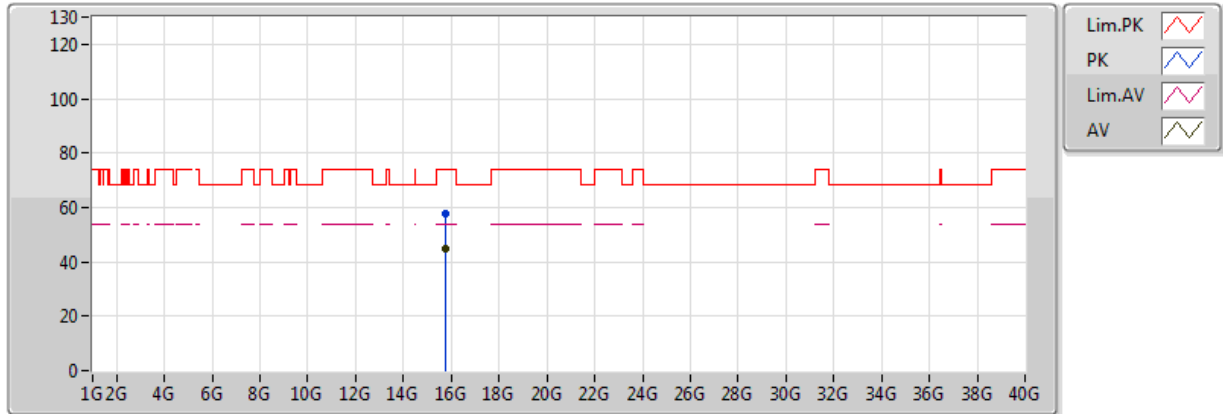


20170722
EUT_X_1TX
Setting 80
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77592G	47.56	54.00	-6.44	13.51	3	V	29	1.92	-
PK	15.78282G	61.20	74.00	-12.80	13.50	3	V	29	1.92	-

802.11a_(6Mbps)_1TX

5260MHz_TX

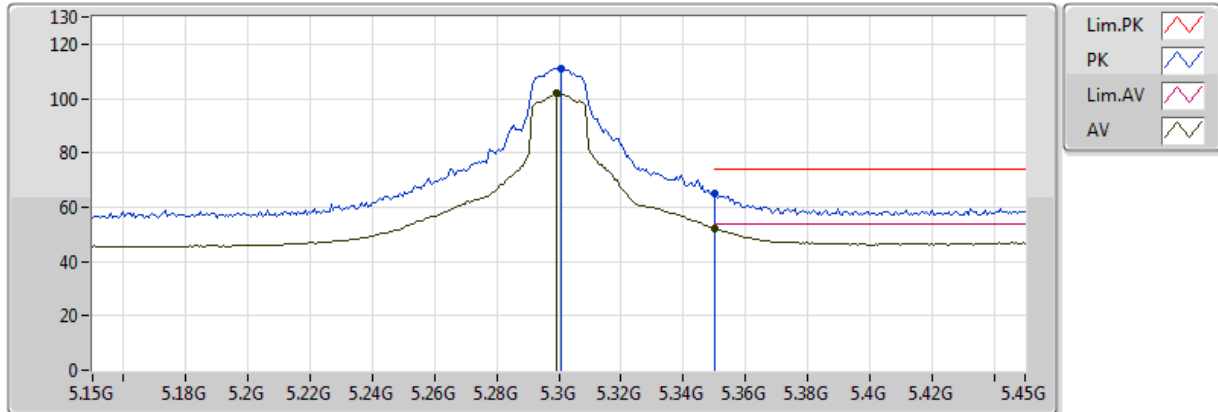


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78978G	44.86	54.00	-9.14	13.49	3	H	253	2.49	-
PK	15.77508G	57.90	74.00	-16.10	13.51	3	H	253	2.49	-

802.11a_(6Mbps)_1TX

5300MHz_TX



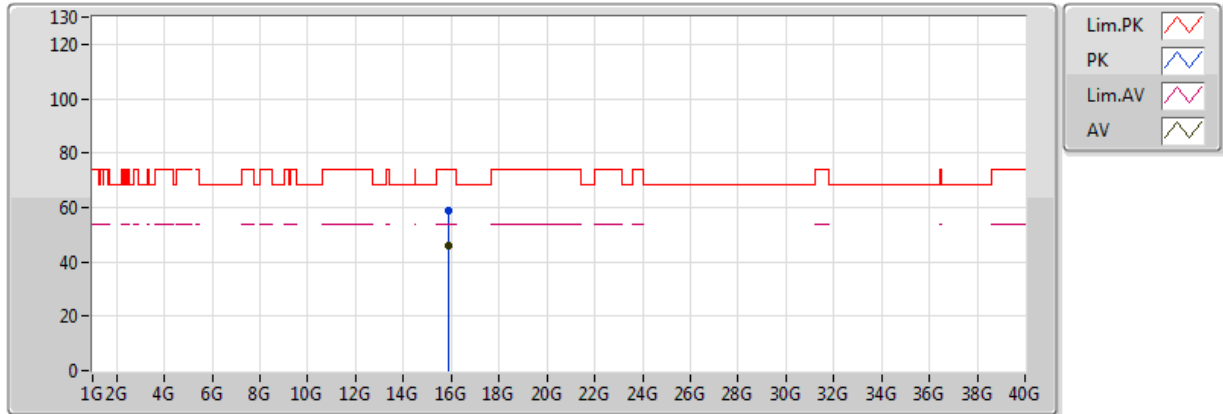
20170710
EUT_X_1TX
Setting 80
03-M-01-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2994G	101.74	Inf	-Inf	5.74	3	V	15	1.79	-
AV	5.3504G	52.34	54.00	-1.66	5.83	3	V	15	1.79	-
PK	5.3006G	110.96	Inf	-Inf	5.74	3	V	15	1.79	-
PK	5.350005G	65.08	74.00	-8.92	5.83	3	V	15	1.79	-



802.11a_(6Mbps)_1TX

5300MHz_TX

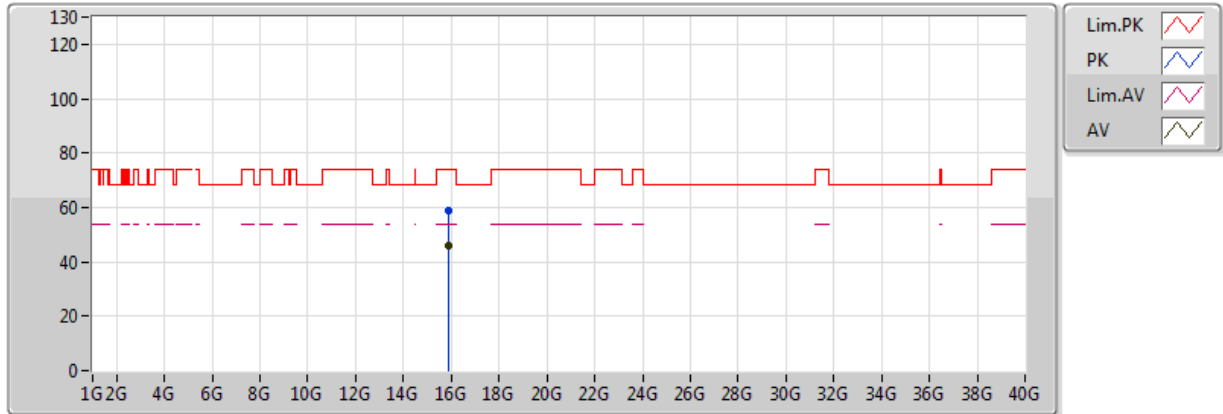


20170722
EUT_X_1TX
Setting 80
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.89994G	45.73	54.00	-8.27	13.35	3	V	338	1.50	-
PK	15.88584G	58.87	74.00	-15.13	13.37	3	V	338	1.50	-

802.11a_(6Mbps)_1TX

5300MHz_TX

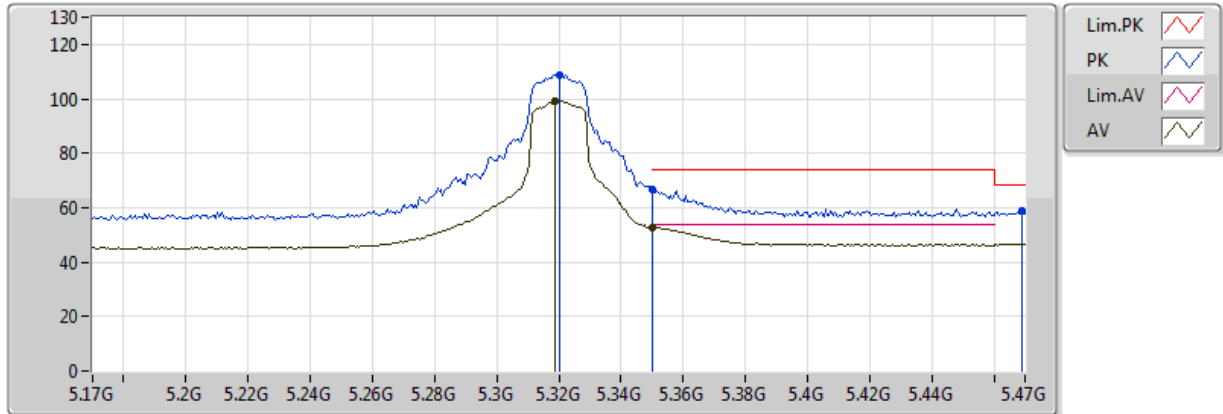


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.8967G	45.70	54.00	-8.30	13.36	3	H	153	2.38	-
PK	15.89202G	58.77	74.00	-15.23	13.36	3	H	153	2.38	-

802.11a_(6Mbps)_1TX

5320MHz_TX

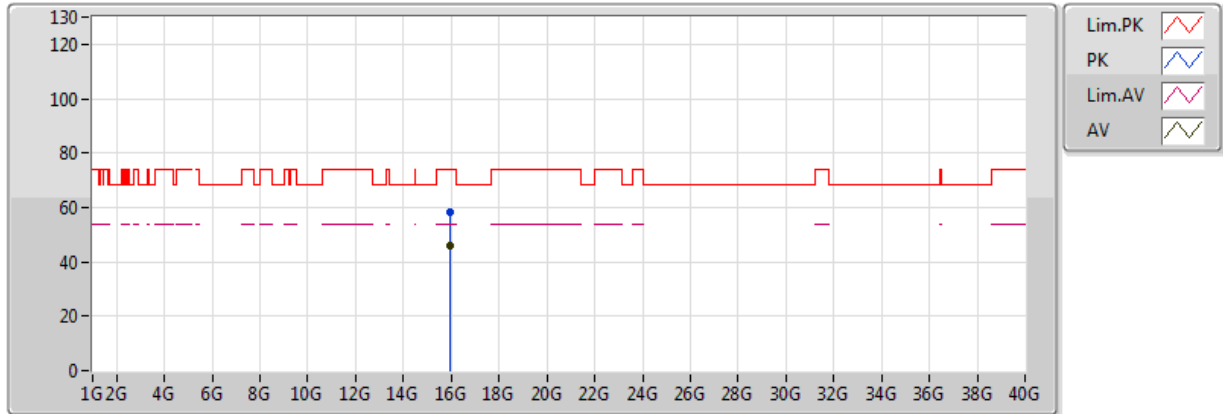


20170705
EUT_X_1TX
Setting 70
03-M-01-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3188G	99.40	Inf	-Inf	5.77	3	V	18	1.66	-
AV	5.350005G	52.89	54.00	-1.11	5.83	3	V	18	1.66	-
PK	5.32G	108.90	Inf	-Inf	5.77	3	V	18	1.66	-
PK	5.350005G	66.85	74.00	-7.15	5.83	3	V	18	1.66	-
PK	5.4688G	58.74	68.20	-9.46	6.08	3	V	18	1.66	-

802.11a_(6Mbps)_1TX

5320MHz_TX

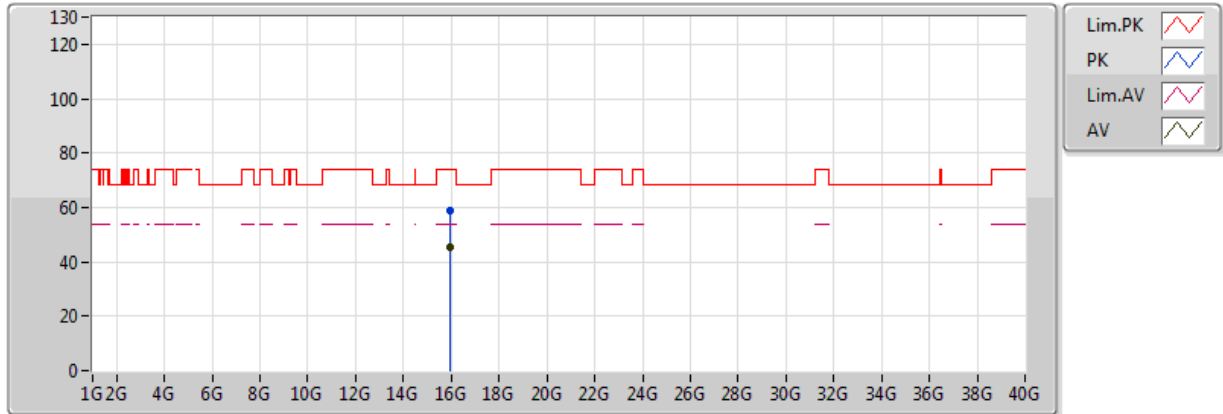


20170722
 EUT X_1TX
 Setting 70
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.96396G	45.67	54.00	-8.33	13.27	3	V	317	1.71	-
PK	15.97308G	58.46	74.00	-15.54	13.26	3	V	317	1.71	-

802.11a_(6Mbps)_1TX

5320MHz_TX

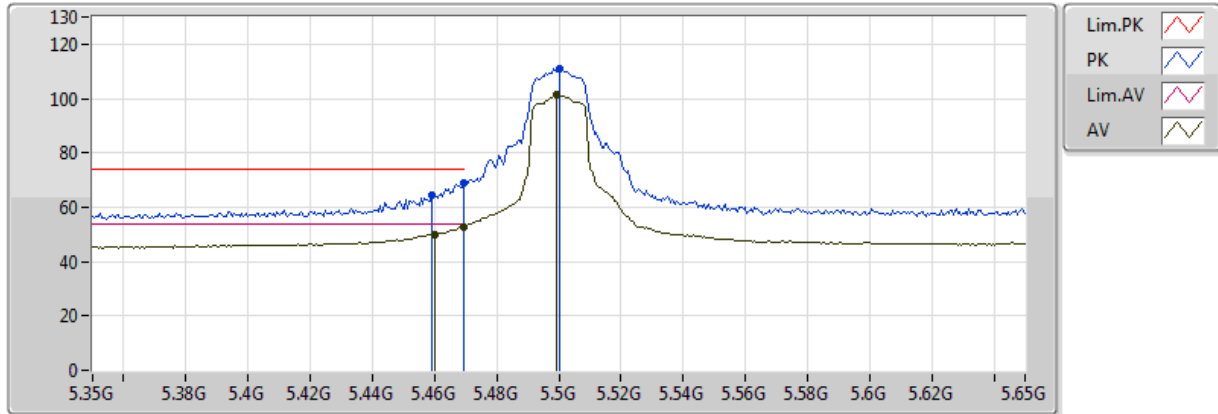


20170722
 EUT_X_1TX
 Setting 70
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.94614G	45.66	54.00	-8.34	13.30	3	H	97	1.17	-
PK	15.94656G	58.62	74.00	-15.38	13.30	3	H	97	1.17	-

802.11a_(6Mbps)_1TX

5500MHz_TX

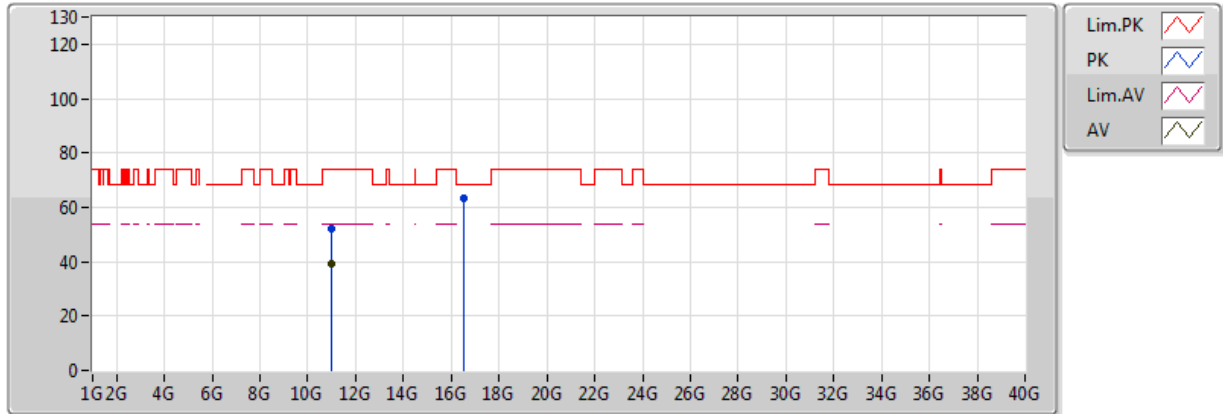


20170705
EUT_X_1TX
Setting 70
03-M-01-10
FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459995G	50.11	54.00	-3.89	6.06	3	V	14	2.93	-
AV	5.4694G	52.77	54.00	-1.23	6.08	3	V	14	2.93	-
AV	5.4994G	101.33	Inf	-Inf	6.16	3	V	14	2.93	-
PK	5.4592G	64.29	74.00	-9.71	6.06	3	V	14	2.93	-
PK	5.4694G	68.68	74.00	-5.32	6.08	3	V	14	2.93	-
PK	5.5G	111.01	Inf	-Inf	6.16	3	V	14	2.93	-

802.11a_(6Mbps)_1TX

5500MHz_TX

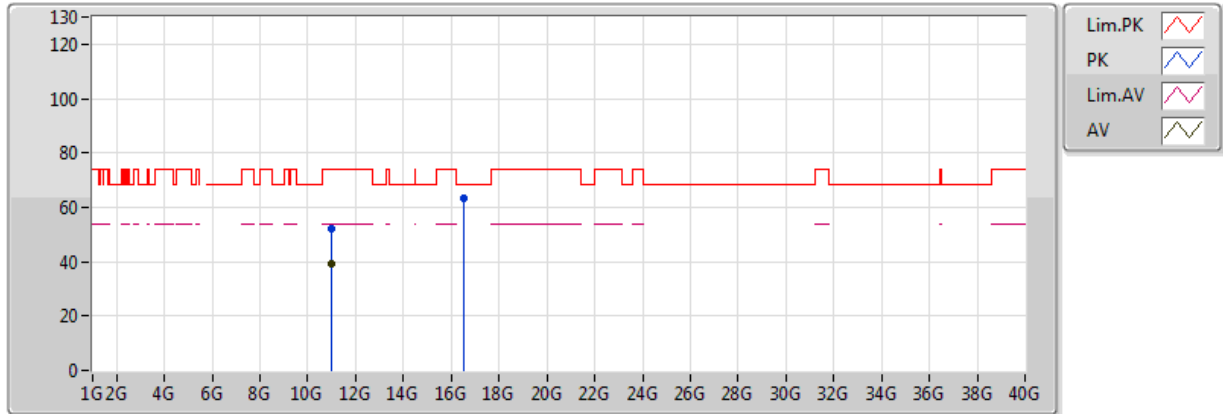


20170722
 EUT X_1TX
 Setting 70
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.0084G	39.31	54.00	-14.69	11.80	3	V	142	2.08	-
PK	10.99646G	52.35	74.00	-21.65	11.80	3	V	142	2.08	-
PK	16.5015G	63.48	68.20	-4.72	15.39	3	V	217	1.10	-

802.11a_(6Mbps)_1TX

5500MHz_TX

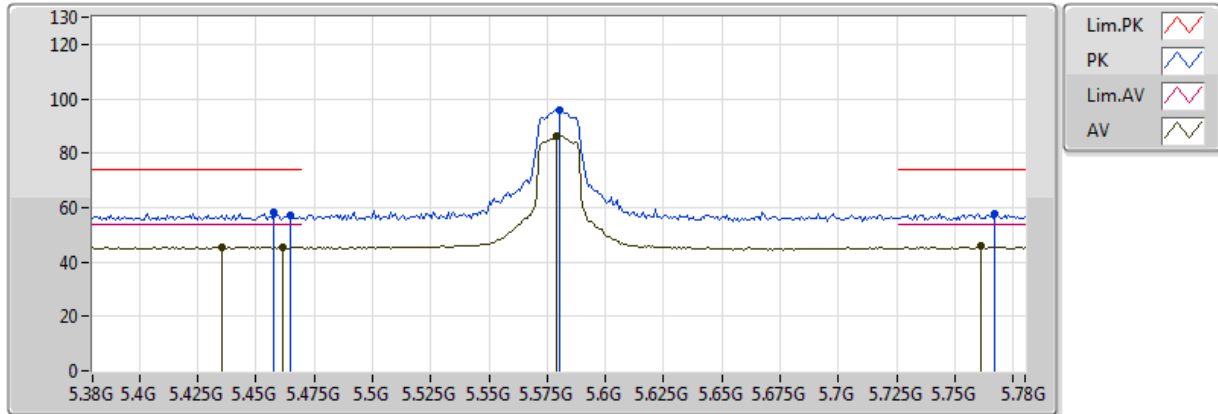


20170722
 EUT X_1TX
 Setting 70
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.98572G	39.01	54.00	-14.99	11.78	3	H	271	1.12	-
PK	11.00024G	52.31	74.00	-21.69	11.80	3	H	271	1.12	-
PK	16.50144G	63.51	68.20	-4.69	15.39	3	H	212	1.88	-

802.11a_(6Mbps)_1TX

5580MHz_TX

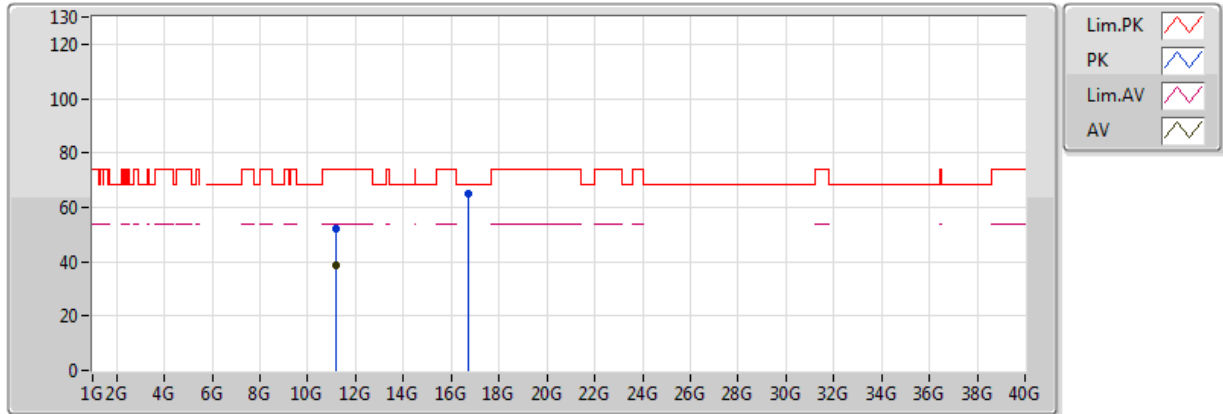


20170722
EUT_X_1TX
Setting 58
01-J-5-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4352G	45.44	54.00	-8.56	4.86	3	V	282	2.64	-
AV	5.4616G	45.28	54.00	-8.72	4.93	3	V	282	2.64	-
AV	5.5792G	86.57	Inf	-Inf	5.31	3	V	282	2.64	-
AV	5.7608G	45.85	54.00	-8.15	5.85	3	V	282	2.64	-
PK	5.4576G	58.19	74.00	-15.81	4.92	3	V	282	2.64	-
PK	5.4648G	57.04	74.00	-16.96	4.94	3	V	282	2.64	-
PK	5.58G	95.84	Inf	-Inf	5.31	3	V	282	2.64	-
PK	5.7672G	57.71	74.00	-16.29	5.87	3	V	282	2.64	-

802.11a_(6Mbps)_1TX

5580MHz_TX

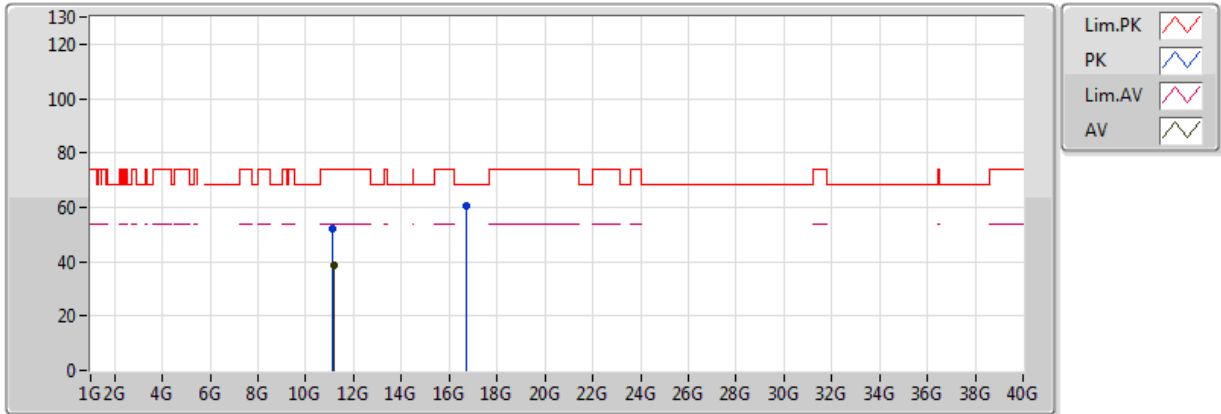


20170722
 EUT X_1TX
 Setting 58
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.1708G	38.86	54.00	-15.14	11.88	3	V	342	2.19	-
PK	11.16498G	52.39	74.00	-21.61	11.88	3	V	342	2.19	-
PK	16.74276G	65.17	68.20	-3.03	16.42	3	V	18	1.85	-

802.11a_(6Mbps)_1TX

5580MHz_TX

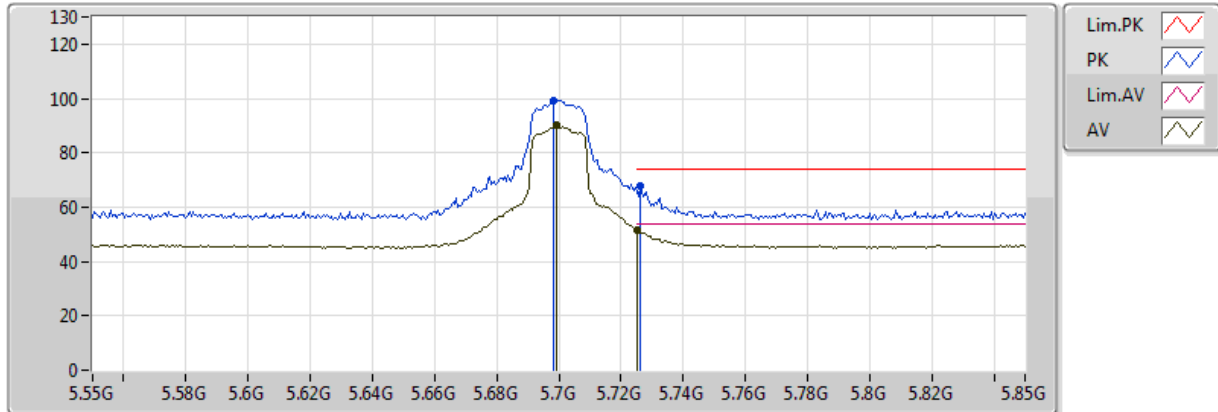


20170722
 EUT_X_1TX
 Setting 58
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.17152G	38.91	54.00	-15.09	11.88	3	H	76	1.05	-
PK	11.145G	51.90	74.00	-22.10	11.87	3	H	76	1.05	-
PK	16.72524G	60.33	68.20	-7.87	16.35	3	H	164	1.50	-

802.11a_(6Mbps)_1TX

5700MHz_TX

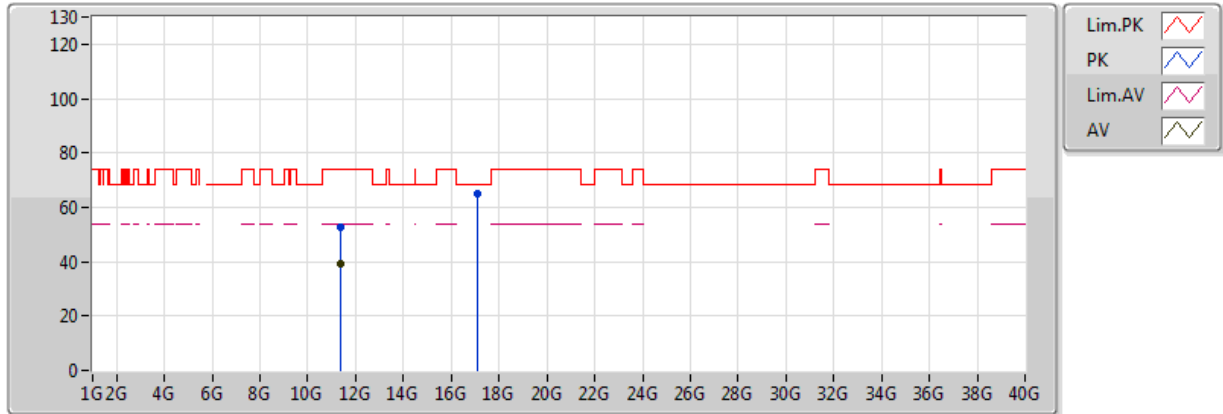


20170722
 EUT_X_1TX
 Setting 73
 01-J-5-10
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6994G	90.02	Inf	-Inf	5.68	3	V	274	2.70	-
AV	5.7252G	51.43	54.00	-2.57	5.75	3	V	274	2.70	-
PK	5.6982G	99.28	Inf	-Inf	5.67	3	V	274	2.70	-
PK	5.7264G	68.00	74.00	-6.00	5.75	3	V	274	2.70	-

802.11a_(6Mbps)_1TX

5700MHz_TX

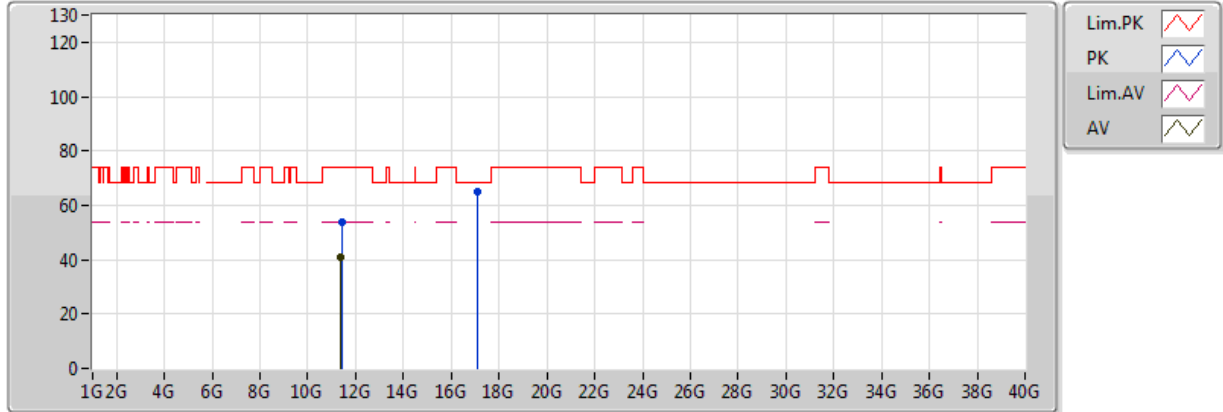


20170722
 EUT X_1TX
 Setting 73
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3997G	39.49	54.00	-14.51	12.00	3	V	191	2.43	-
PK	11.39412G	52.46	74.00	-21.54	11.99	3	V	191	2.43	-
PK	17.10048G	65.18	68.20	-3.02	17.71	3	V	306	2.96	-

802.11a_(6Mbps)_1TX

5700MHz_TX

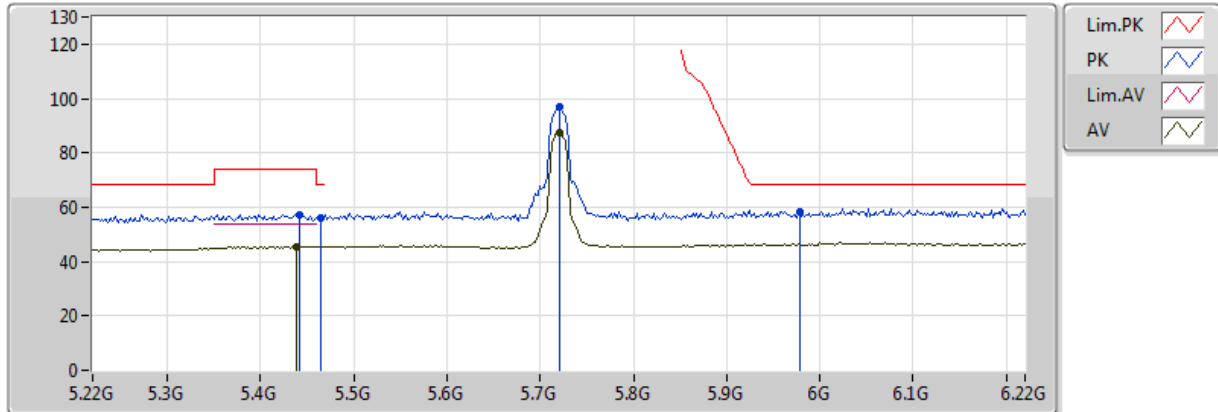


20170722
 EUT_X_1TX
 Setting 73
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.3895G	40.75	54.00	-13.25	13.32	3	H	138	1.04	-
PK	11.40294G	53.77	74.00	-20.23	13.33	3	H	138	1.04	-
PK	17.10444G	64.80	68.20	-3.40	19.27	3	H	158	1.50	-

802.11a_(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

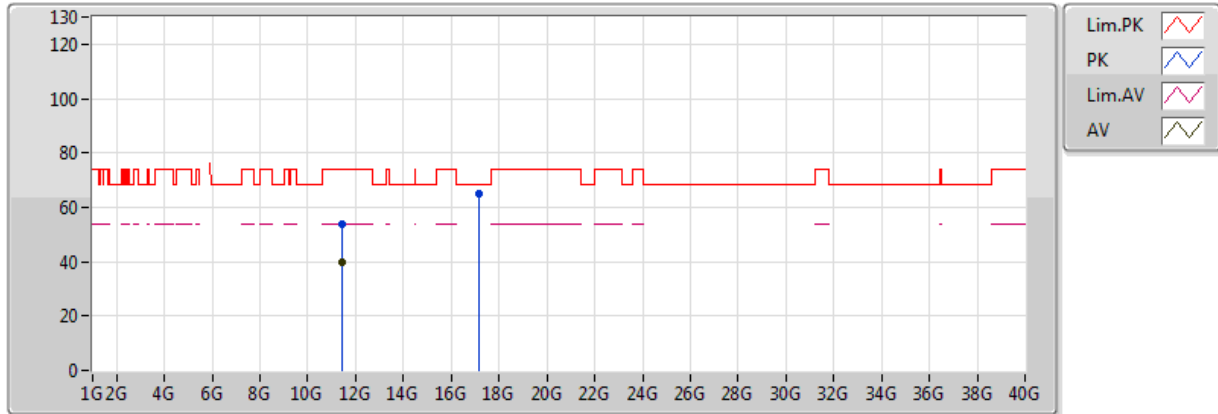


20170722
EUT_X_1TX
Setting 63
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.438G	45.45	54.00	-8.55	4.87	3	V	255	2.58	-
AV	5.72G	87.52	Inf	-Inf	5.74	3	V	255	2.58	-
PK	5.442G	57.31	74.00	-16.69	4.88	3	V	255	2.58	-
PK	5.464G	56.02	68.20	-12.18	4.94	3	V	255	2.58	-
PK	5.72G	96.66	Inf	-Inf	5.74	3	V	255	2.58	-
PK	5.978G	58.25	68.20	-9.95	6.64	3	V	255	2.58	-

802.11a_(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

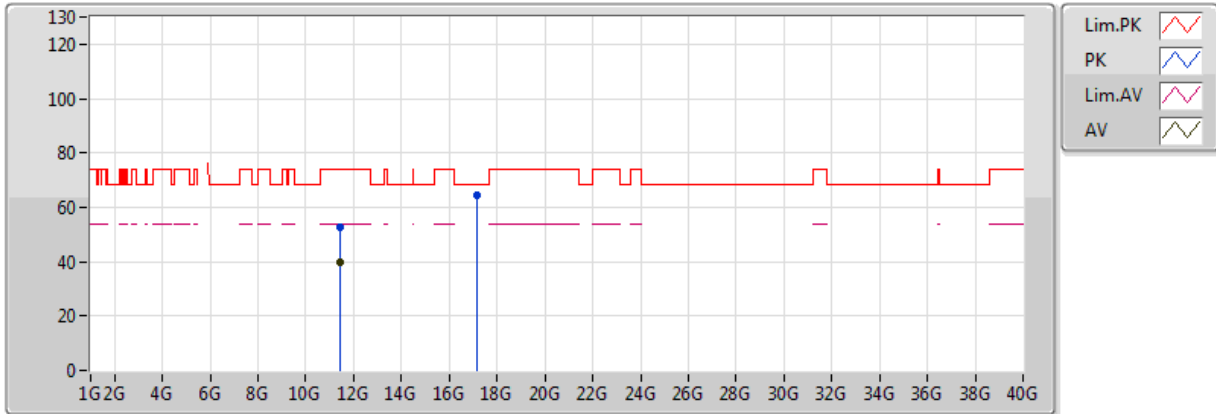


20170722
 EUT_X_1TX
 Setting 63
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4409G	39.99	54.00	-14.01	12.02	3	V	326	1.86	-
PK	11.44318G	53.63	74.00	-20.37	12.02	3	V	326	1.86	-
PK	17.15694G	65.14	68.20	-3.06	17.82	3	V	26	1.83	-

802.11a_(6Mbps)_1TX

5720MHz Straddle 5.47-5.725GHz_TX

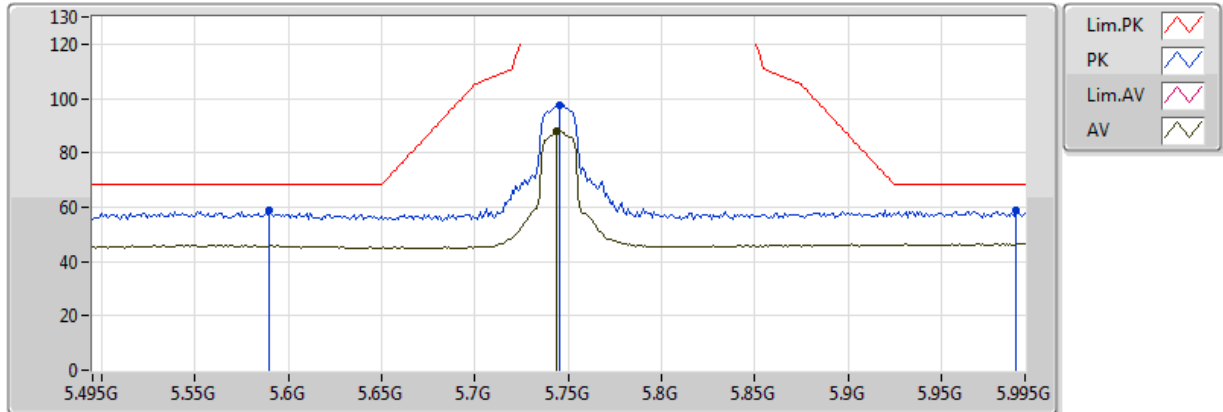


20170722
EUT X_1TX
Setting 63
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.44372G	39.75	54.00	-14.25	12.02	3	H	234	2.22	-
PK	11.43892G	52.68	74.00	-21.32	12.02	3	H	234	2.22	-
PK	17.16216G	64.46	68.20	-3.74	17.83	3	H	200	1.34	-

802.11a_(6Mbps)_1TX

5745MHz_TX

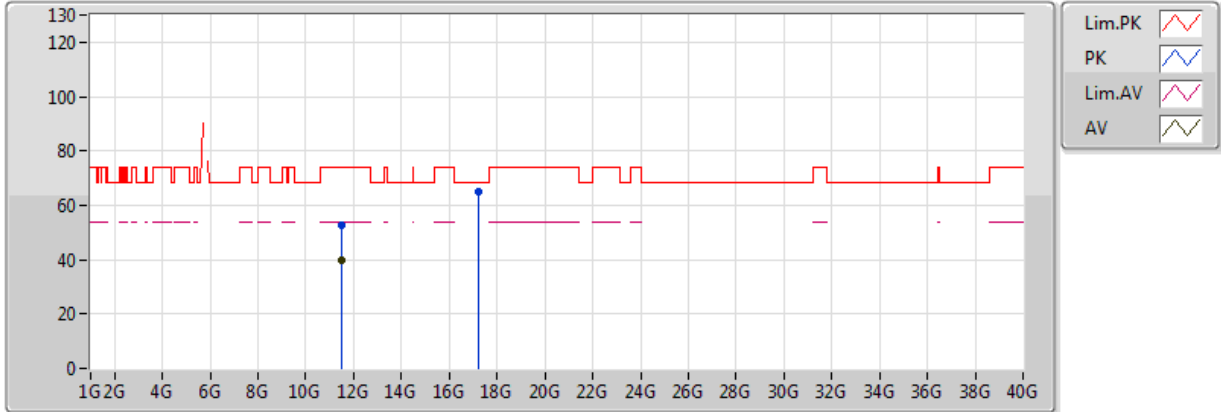


20170722
 EUT_X_1TX
 Setting 66
 01-J-5-10
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.744G	88.11	Inf	-Inf	5.80	3	V	289	2.97	-
PK	5.59G	58.76	68.20	-9.44	5.35	3	V	289	2.97	-
PK	5.745G	97.64	Inf	-Inf	5.81	3	V	289	2.97	-
PK	5.99G	58.83	68.20	-9.37	6.68	3	V	289	2.97	-

802.11a_(6Mbps)_1TX

5745MHz_TX



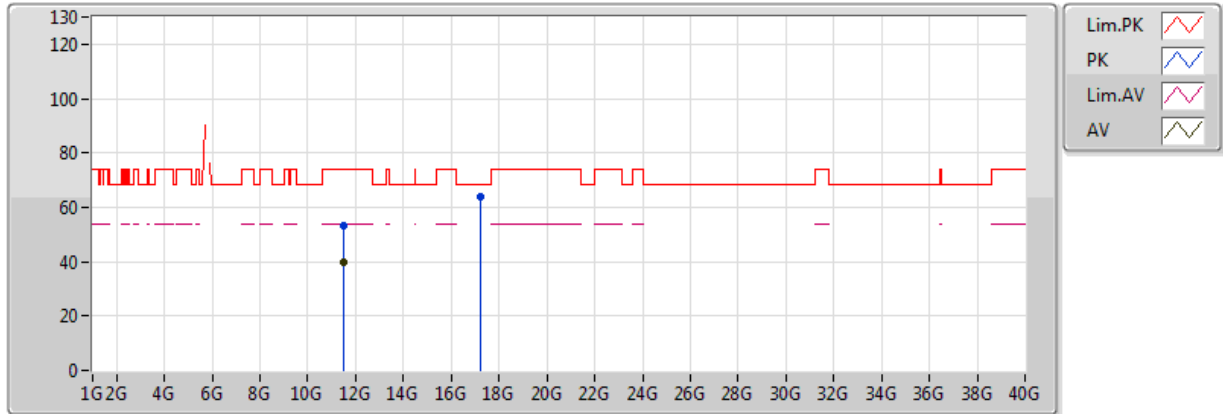
20170722
 EUT X_1TX
 Setting 66
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.496G	39.78	54.00	-14.22	12.04	3	V	143	2.27	-
PK	11.47872G	52.87	74.00	-21.13	12.03	3	V	143	2.27	-
PK	17.23752G	64.99	68.20	-3.21	17.97	3	V	5	1.76	-



802.11a_(6Mbps)_1TX

5745MHz_TX

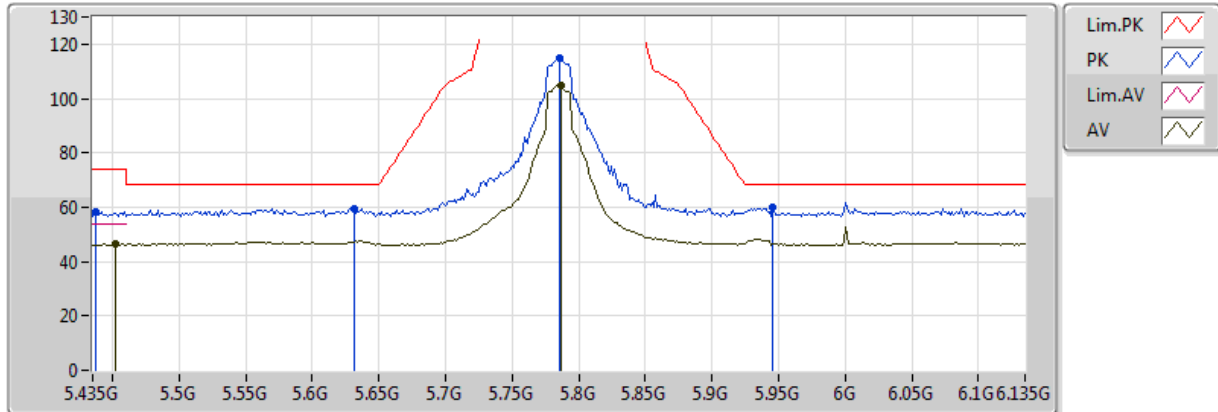


20170722
EUT X_1TX
Setting 66
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4786G	39.92	54.00	-14.08	12.03	3	H	4	2.30	-
PK	11.4813G	53.09	74.00	-20.91	12.04	3	H	4	2.30	-
PK	17.2212G	64.03	68.20	-4.17	17.94	3	H	226	2.08	-

802.11a_(6Mbps)_1TX

5785MHz_TX

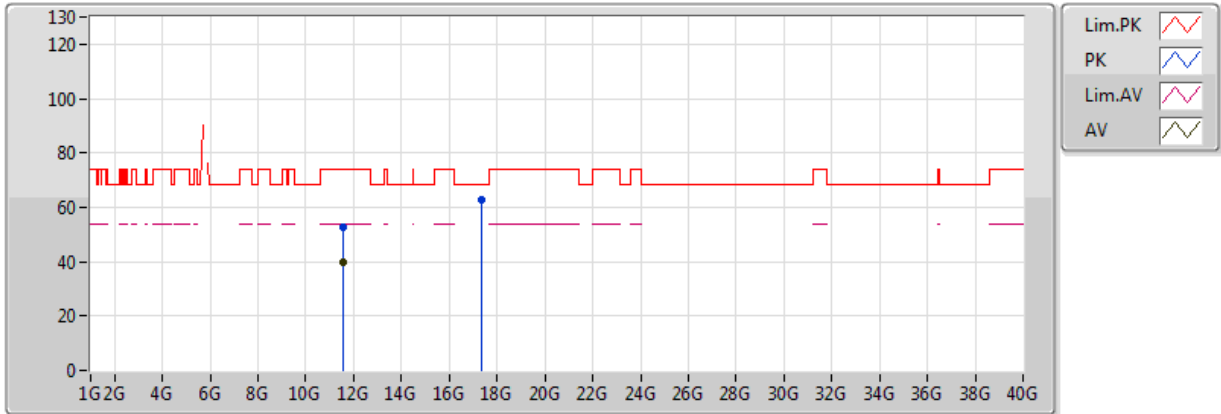


20170705
 EUT_X_1TX
 Setting 80
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7864G	104.94	Inf	-Inf	6.25	3	V	16	2.69	-
PK	5.631G	59.48	68.20	-8.72	6.24	3	V	16	2.69	-
PK	5.785G	114.64	Inf	-Inf	6.25	3	V	16	2.69	-
PK	5.946G	59.82	68.20	-8.38	6.18	3	V	16	2.69	-
PK	5.4378G	58.43	74.00	-15.57	6.00	3	V	16	2.69	-
AV	5.4518G	46.39	54.00	-7.61	6.04	3	V	16	2.69	-

802.11a_(6Mbps)_1TX

5785MHz_TX

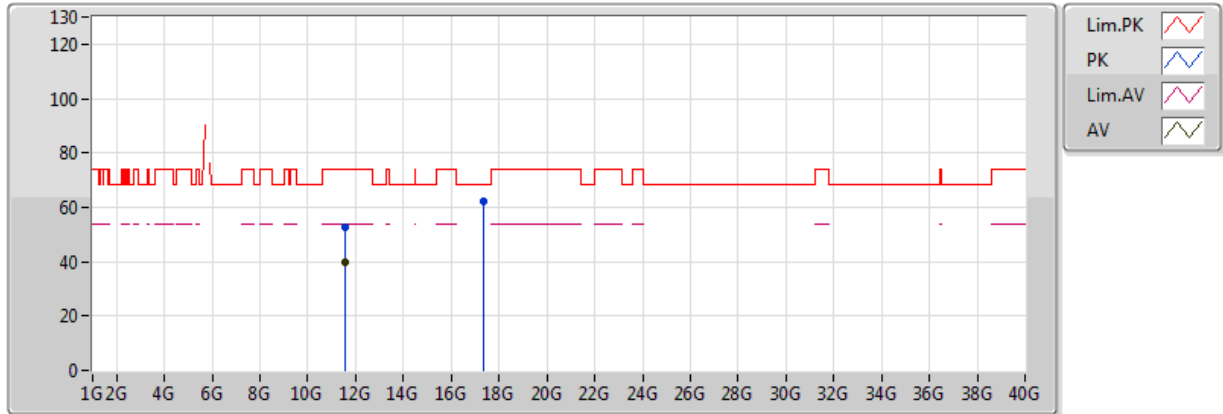


20170722
 EUT_X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57222G	39.94	54.00	-14.06	12.08	3	V	329	1.19	-
PK	11.55506G	52.84	74.00	-21.16	12.07	3	V	329	1.19	-
PK	17.36514G	62.63	68.20	-5.57	18.20	3	V	163	1.50	-

802.11a_(6Mbps)_1TX

5785MHz_TX

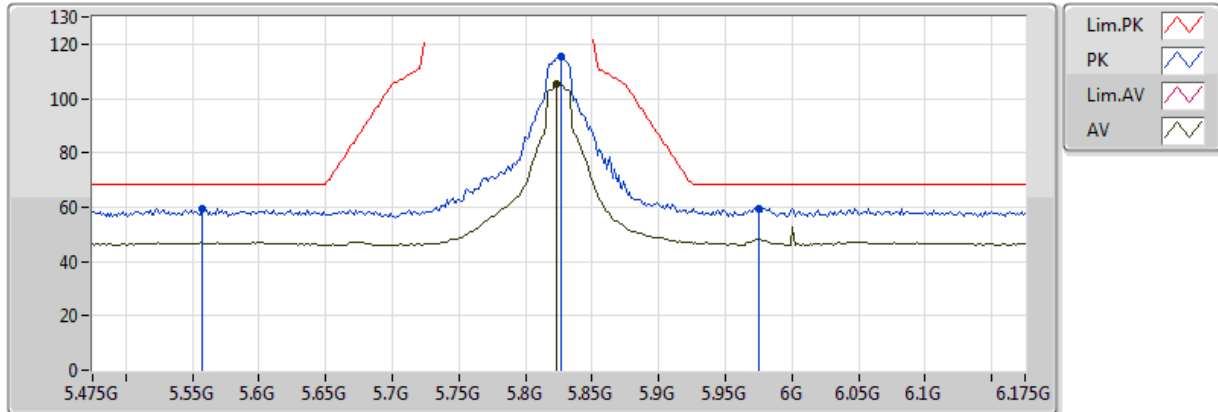


20170722
 EUT X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5727G	39.97	54.00	-14.03	12.08	3	H	63	1.21	-
PK	11.57618G	52.80	74.00	-21.20	12.08	3	H	63	1.21	-
PK	17.35008G	62.44	68.20	-5.76	18.17	3	H	318	1.83	-

802.11a_(6Mbps)_1TX

5825MHz_TX

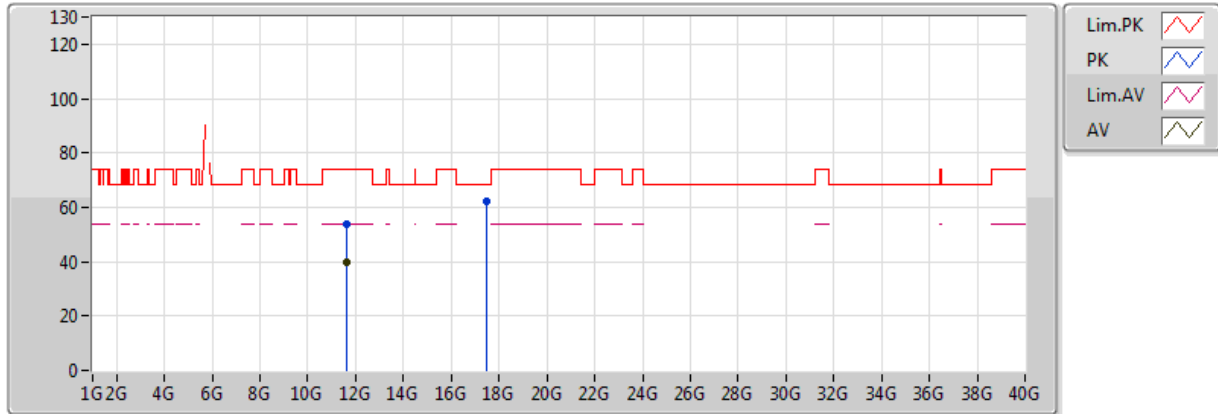


20170705
 EUT X_1TX
 Setting 80
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8236G	105.56	Inf	-Inf	6.24	3	V	17	2.68	-
PK	5.5576G	59.24	68.20	-8.96	6.21	3	V	17	2.68	-
PK	5.8264G	115.29	Inf	-Inf	6.24	3	V	17	2.68	-
PK	5.9748G	59.63	68.20	-8.57	6.16	3	V	17	2.68	-

802.11a_(6Mbps)_1TX

5825MHz_TX

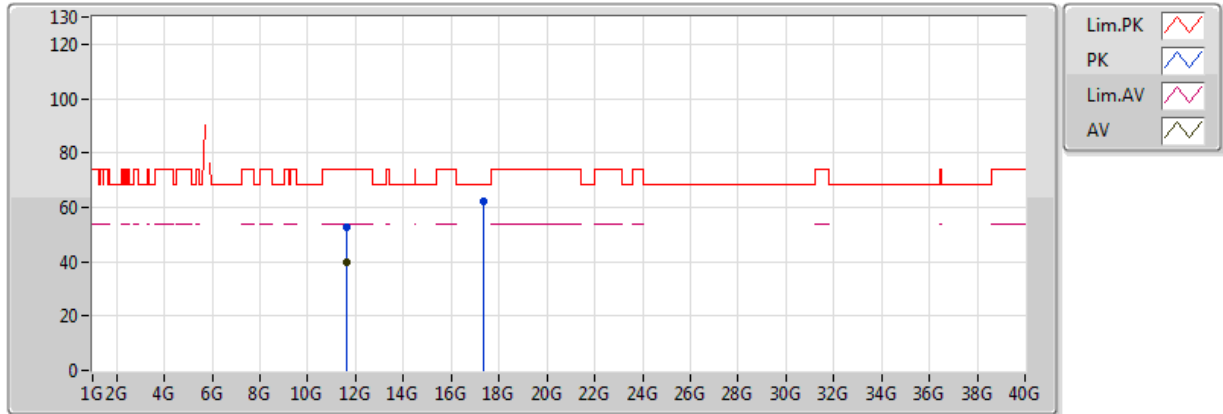


20170722
 EUT X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65108G	39.55	54.00	-14.45	12.12	3	V	52	1.84	-
PK	11.64748G	53.61	74.00	-20.39	12.12	3	V	52	1.84	-
PK	17.4792G	62.11	68.20	-6.09	18.41	3	V	116	2.11	-

802.11a_(6Mbps)_1TX

5825MHz_TX

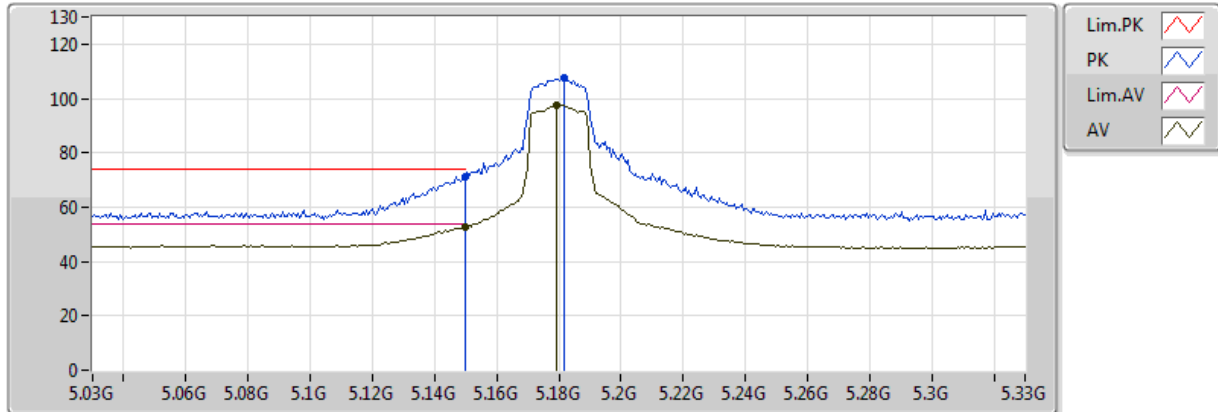


20170722
EUT_X_1TX
Setting 80
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.6518G	39.67	54.00	-14.33	12.12	3	H	152	1.99	-
PK	11.6458G	52.69	74.00	-21.31	12.12	3	H	152	1.99	-
PK	17.34132G	62.03	68.20	-6.17	18.16	3	H	60	1.96	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

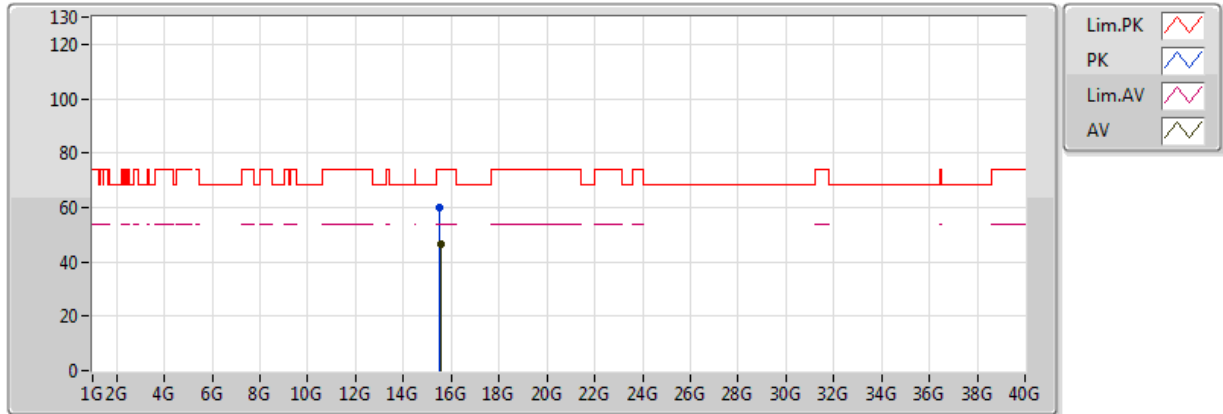


20170705
 EUT X_1TX
 Setting 65
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.76	54.00	-1.24	5.44	3	V	14	1.74	-
AV	5.1794G	97.67	Inf	-Inf	5.51	3	V	14	1.74	-
PK	5.149995G	71.04	74.00	-2.96	5.44	3	V	14	1.74	-
PK	5.1818G	107.52	Inf	-Inf	5.51	3	V	14	1.74	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

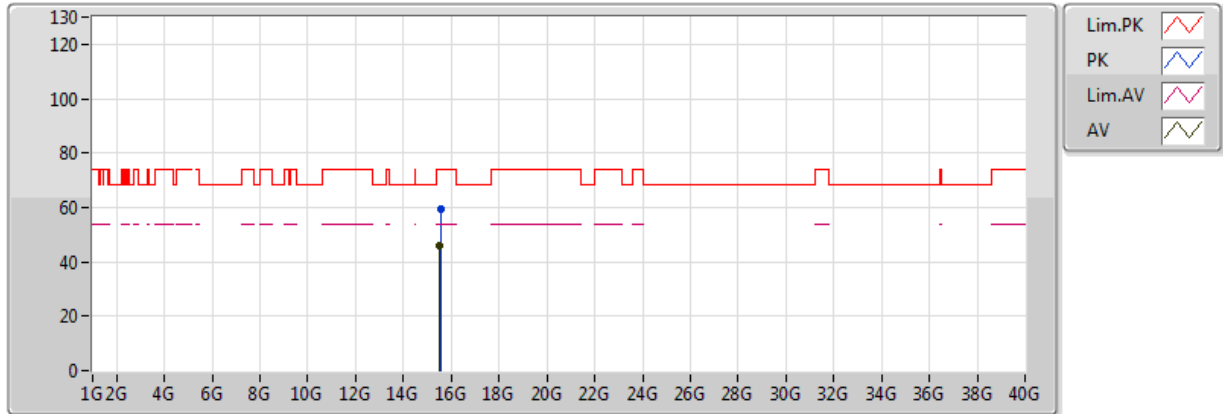


20170722
 EUT_X_1TX
 Setting 65
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53778G	46.66	54.00	-7.34	13.80	3	V	358	1.81	-
PK	15.53358G	59.88	74.00	-14.12	13.81	3	V	358	1.81	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

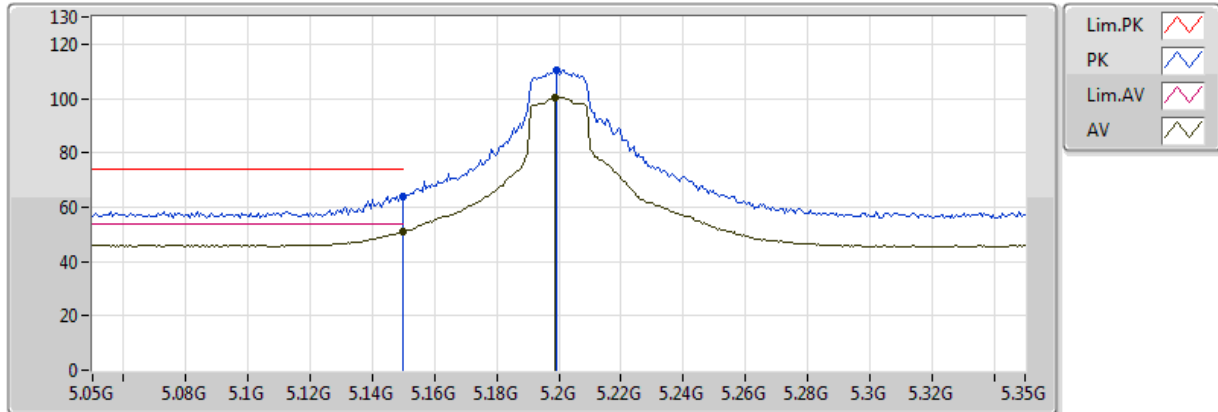


20170722
EUT X_1TX
Setting 65
01-J-5
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53094G	46.08	54.00	-7.92	13.81	3	H	360	1.75	-
PK	15.54G	59.60	74.00	-14.40	13.80	3	H	360	1.75	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

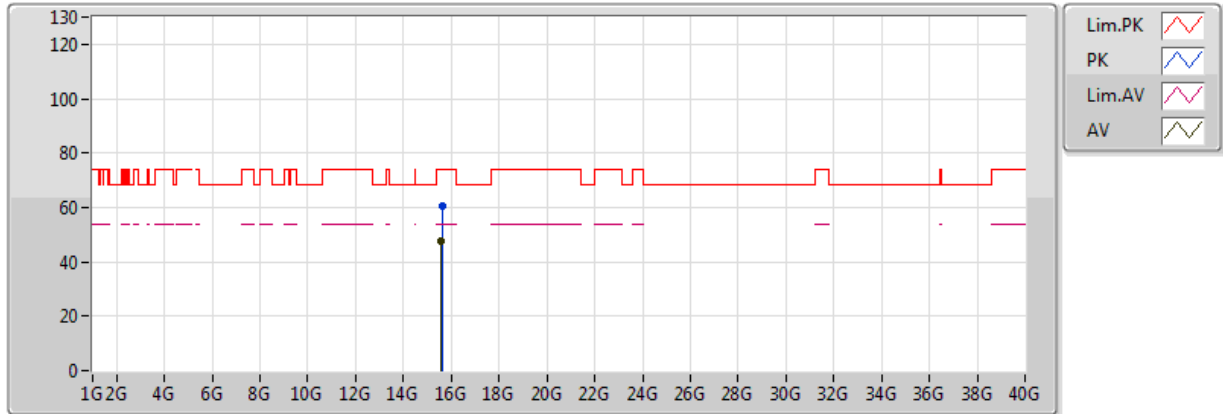


20170705
 EUT X_1TX
 Setting 80
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.10	54.00	-2.90	5.44	3	V	14	1.74	-
AV	5.1988G	100.55	Inf	-Inf	5.55	3	V	14	1.74	-
PK	5.149995G	64.08	74.00	-9.92	5.44	3	V	14	1.74	-
PK	5.1994G	110.35	Inf	-Inf	5.55	3	V	14	1.74	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

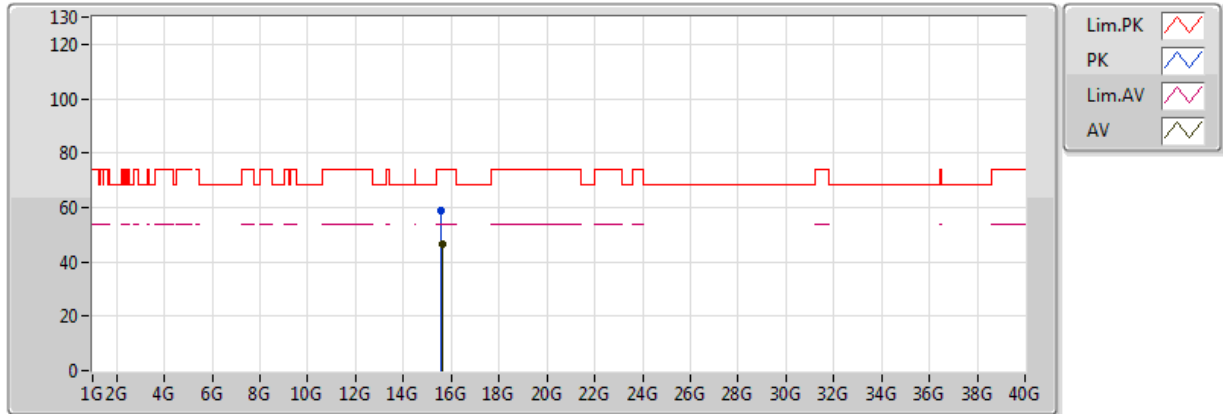


20170722
 EUT X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.59616G	47.55	54.00	-6.45	13.73	3	V	14	1.90	-
PK	15.60252G	60.53	74.00	-13.47	13.72	3	V	14	1.90	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

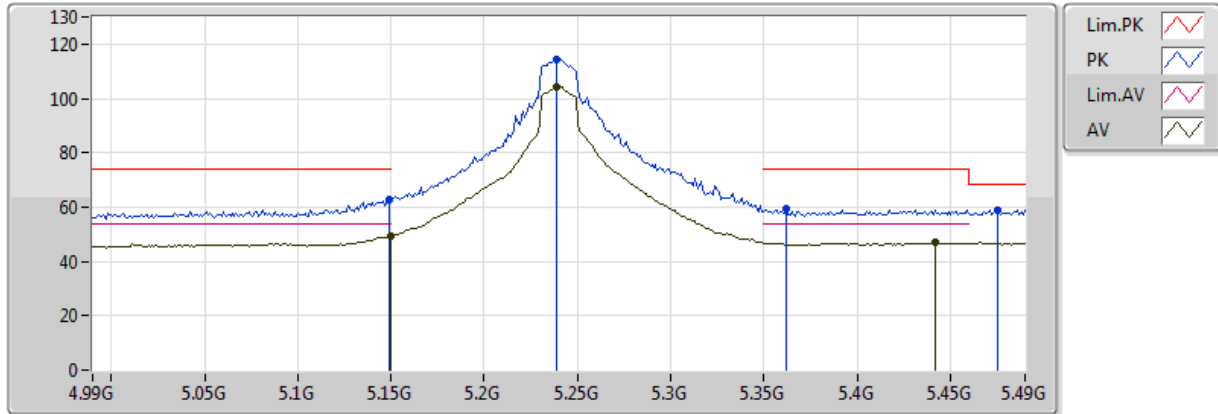


20170722
 EUT X_1TX
 Setting 80
 01-J-5
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6027G	46.27	54.00	-7.73	13.72	3	H	4	1.79	-
PK	15.60036G	59.04	74.00	-14.96	13.73	3	H	4	1.79	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX



20170705
 EUT X_1TX
 Setting 80
 03-M-01-10
 FSP(100019)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.46	54.00	-4.54	5.44	3	V	10	1.73	-
AV	5.239G	104.36	Inf	-Inf	5.62	3	V	10	1.73	-
AV	5.442G	46.79	54.00	-7.21	6.02	3	V	10	1.73	-
PK	5.149G	62.73	74.00	-11.27	5.44	3	V	10	1.73	-
PK	5.239G	114.07	Inf	-Inf	5.62	3	V	10	1.73	-
PK	5.475G	58.90	68.20	-9.30	6.10	3	V	10	1.73	-
PK	5.362G	59.17	74.00	-14.83	5.85	3	V	10	1.73	-