

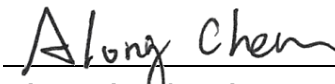
FCC Test Report

FCC ID : 2AAS9-WSMK161
Equipment : VENUE Tag
Model No. : WSMK-161
Brand Name : BROWAN
Applicant : BROWAN COMMUNICATIONS
INCORPORATION
Address : No.15-1, Zhonghua Rd., Hsinchu Industrial
Park, Hukou Hsinchu Hsien Taiwan 303
Standard : 47 CFR FCC Part 15.407
Received Date : Aug. 18, 2022
Tested Date : Oct. 18 ~ Nov. 04, 2022

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:


Along Chen / Assistant Manager

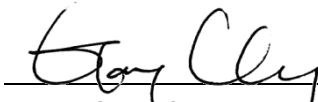

Gary Chang / Manager

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Appendix A. Emission Bandwidth

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Release Record

Report No.	Version	Description	Issued Date
FR281802AN	Rev. 01	Initial issue	Dec. 06, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 19.326MHz 38.27 (Margin -11.73dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5470.00MHz 67.84 (Margin -0.36dB) - PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	Conducted Output Power	Max Power [dBm]: 5150~5250MHz: 14.48 5250~5350MHz: 14.48 5470~5725MHz: 14.48 5725~5850MHz: 14.49	Pass
15.407(a)	Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	MCS 0-7
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	1	MCS 0-7
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	1	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	1	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	1	MCS 0-9
Note 1: OFDM- BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation. Note 2: TPC function is supported.					

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	ANT5320LL24R2455A	Chip	No	1.7	2.7	2.7	0.8	0.2

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	5V / 0.5A
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1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	USB type C charging cable	1.2m non-shielded without core
2	Cradle	--

1.1.5 Channel List

802.11a / n HT20 / ac VHT20		802.11n HT40 / ac VHT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	802.11ac VHT80	
120	5600	42	5210
124	5620	58	5290
128	5640	106	5530
132	5660	122	5610
136	5680	138	5690
140	5700	155	5775
144	5720	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	adb, V1.0.40		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	99.65%	0.02
	HT20	97.48%	0.11
	ac VHT40	91.77%	0.37
	ac VHT80	84.10%	0.75

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	54
11a	5200	54
11a	5240	54
11a	5260	54
11a	5300	54
11a	5320	54
11a	5500	56
11a	5580	56
11a	5700	58
11a	5745	56
11a	5785	56
11a	5825	58
HT20	5180	54
HT20	5200	54
HT20	5240	54
HT20	5260	56
HT20	5300	56
HT20	5320	56
HT20	5500	58
HT20	5580	58
HT20	5700	58
HT20	5745	58
HT20	5785	58
HT20	5825	60

Modulation Mode	Test Frequency (MHz)	Power Index
ac VHT40	5190	56
ac VHT40	5230	56
ac VHT40	5270	56
ac VHT40	5310	56
ac VHT40	5510	50
ac VHT40	5590	58
ac VHT40	5670	58
ac VHT40	5755	58
ac VHT40	5795	58
ac VHT80	5210	50
ac VHT80	5290	52
ac VHT80	5530	46
ac VHT80	5610	54
ac VHT80	5775	54

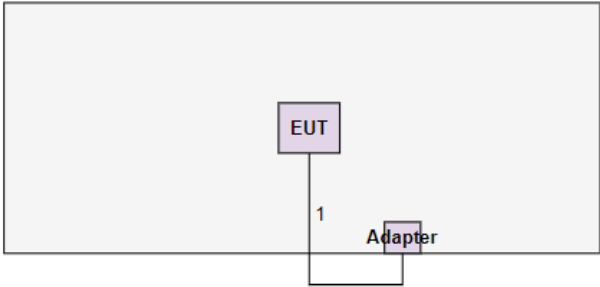
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5720	60
HT20	5720	60
ac VHT40	5710	60
ac VHT80	5690	54

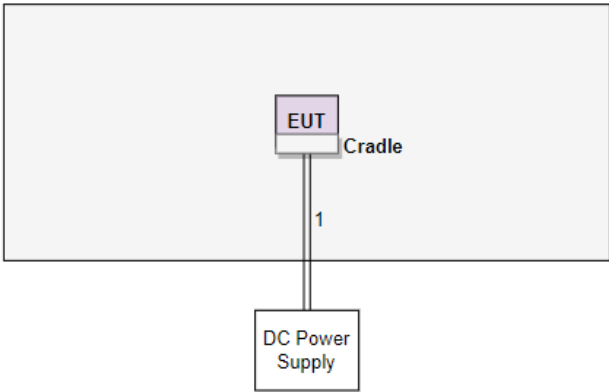
1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude 5400	DoC	---
2	Adapter	Samsung	ETA-U90JWs	---	---
3	DC Power Supply	GWINSTEK	GPC-60300	---	---
4	Cradle	---	---	---	---

Note: The support notebook was disconnected from EUT and was removed from test table after sending command to control EUT to transmit continuously

1.3 Test Setup Chart

Test Setup Diagram (Adapter mode)	
	
No.	Signal cable / Length (m)
1	USB type C, 1.2m non-shielded.

Test Setup Diagram (Cradle mode)	
	
No.	Signal cable / Length (m)
1	DC, 10m(x2) non-shielded.

1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Oct. 18 ~ Nov. 02, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 15, 2022	Mar. 14, 2023
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 03, 2022	Aug. 02, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2021	Nov. 03, 2022
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045B	980192	Jul. 08, 2022	Jul. 07, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 04, 2022	Oct. 03, 2023
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 04, 2022	Oct. 03, 2023
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 04, 2022	Oct. 03, 2023
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Oct. 20 ~ Oct. 26, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 16, 2022	Feb. 15, 2023
LISN	R&S	ENV216	101579	Apr. 21, 2022	Apr. 20, 2023
LISN (Support Unit)	SCHWARZBECK	NSLK 8127	8127667	Jan. 07, 2022	Jan. 06, 2023
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 17, 2022	Oct. 16, 2023
50 ohm terminal (Support Unit)	NA	50	04	May 10, 2022	May 09, 2023
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 18 ~ Nov. 04, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 08, 2022	Apr. 07, 2023
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 22, 2022	Jun. 21, 2023
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 03, 2021	Dec. 02, 2022
Measurement Software	Sporton	SENSE-15407_NII	V5.10.8.3	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407
ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	± 0.583 dB
Conducted emission	± 2.715 dB
AC conducted emission	± 2.92 dB
Unwanted Emission ≤ 1 GHz	± 3.41 dB
Unwanted Emission > 1 GHz	± 4.59 dB
Time	$\pm 0.1\%$
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emissions	11a	5300	6 Mbps	1, 2
Unwanted Emissions ≤1GHz	11a	5300	6 Mbps	1, 2
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	2
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	ac VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	ac VHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
Frequency Stability	Un-modulation	5200	---	2
Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emissions	11a	5785	6 Mbps	1, 2
Unwanted Emissions ≤1GHz	11a	5785	6 Mbps	1, 2
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth 6dB bandwidth Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	2
	HT20	5745 / 5785 / 5825	MCS 0	
	ac VHT40	5755 / 5795	MCS 0	
	ac VHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	2
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report. 2. Test configurations are listed as follows: 1) Test configuration 1: Cradle mode 2) Test configuration 2: Adapter mode				

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 Limit of Emission Bandwidth

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.1.2 Test Procedures

26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

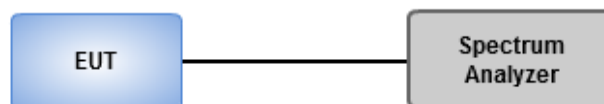
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW $\geq$ 3 RBW.
3. Sample detection and single sweep mode shall be used.
4. Use the 99 % power bandwidth function of the instrument.

6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz.
2. Detector = Peak, Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	23-24°C / 64-65%	Tested By	Brad Wu
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Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Frequency band 5150-5250 MHz		
Operating Mode		Limit
☐	Outdoor access point	Conducted Power: 1 W The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm)
☒	Indoor access point	Conducted Power: 1 W
☐	Fixed point-to-point access points	Conducted Power: 1 W
☐	Client devices	Conducted Power: 250 mW

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	Conducted Power: 250mW or 11dBm+10 log B
☒	5470 ~ 5725	Conducted Power: 250mW or 11dBm+10 log B
☒	5725 ~ 5850	Conducted Power: 1 W
Note: "B" is the 26dB emission bandwidth in MHz.		

3.2.2 Test Procedures

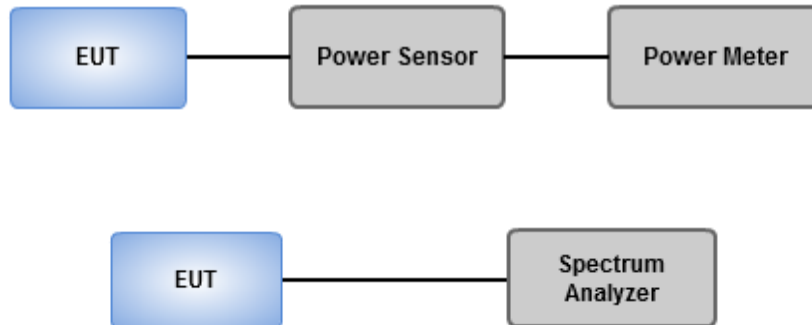
Method PM-G (Measurement using a gated RF average power meter)

Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Spectrum analyzer (For channel that extends across the 5.725 GHz boundary)

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add 10 log(1/X, X:duty cycle) if duty cycle is <98%.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	23-24°C / 64-65%	Tested By	Brad Wu
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Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Frequency band 5150-5250 MHz		
Operating Mode		Limit
☐	Outdoor access point	17 dBm / MHz
☒	Indoor access point	17 dBm / MHz
☐	Fixed point-to-point access points	17 dBm / MHz
☐	Client devices	11 dBm / MHz

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz
☒	5725 ~ 5850	30 dBm /500 kHz

3.3.2 Test Procedures

For 5150 ~ 5250 MHz / 5250 ~ 5350 MHz / 5470 ~ 5725 MHz

Duty cycle $\geq 98\%$

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle $< 98\%$

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

For 5725 ~ 5850 MHz

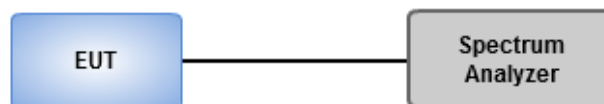
Duty cycle $\geq 98\%$

1. Set RBW = 500 kHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle $< 98\%$

1. Set RBW = 500 kHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23-24°C / 64-65%	Tested By	Brad Wu
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Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

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 - 5.850 GHz	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

3.4.2 Test Procedures

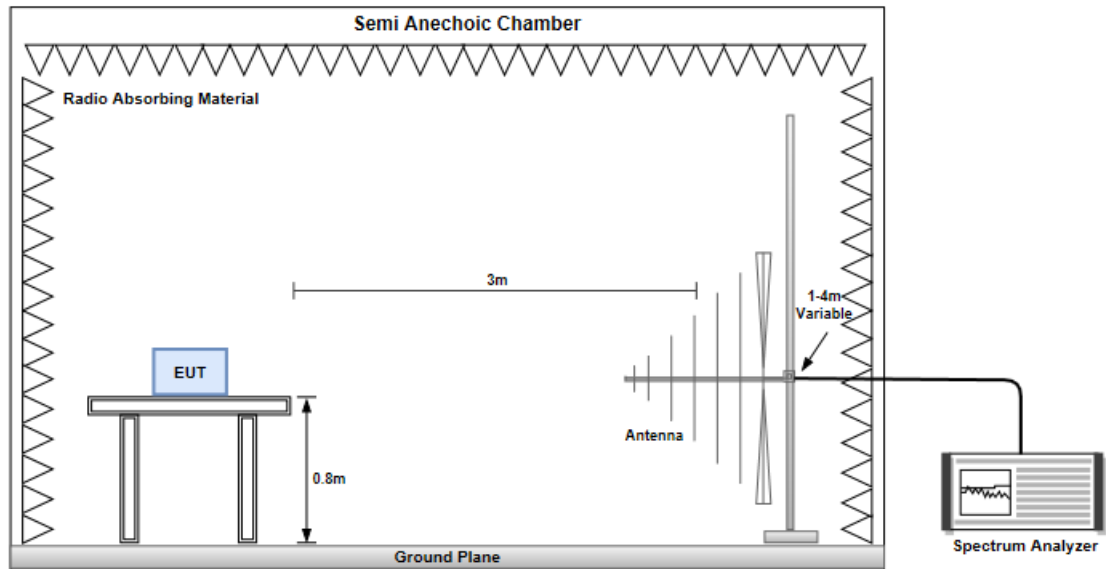
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

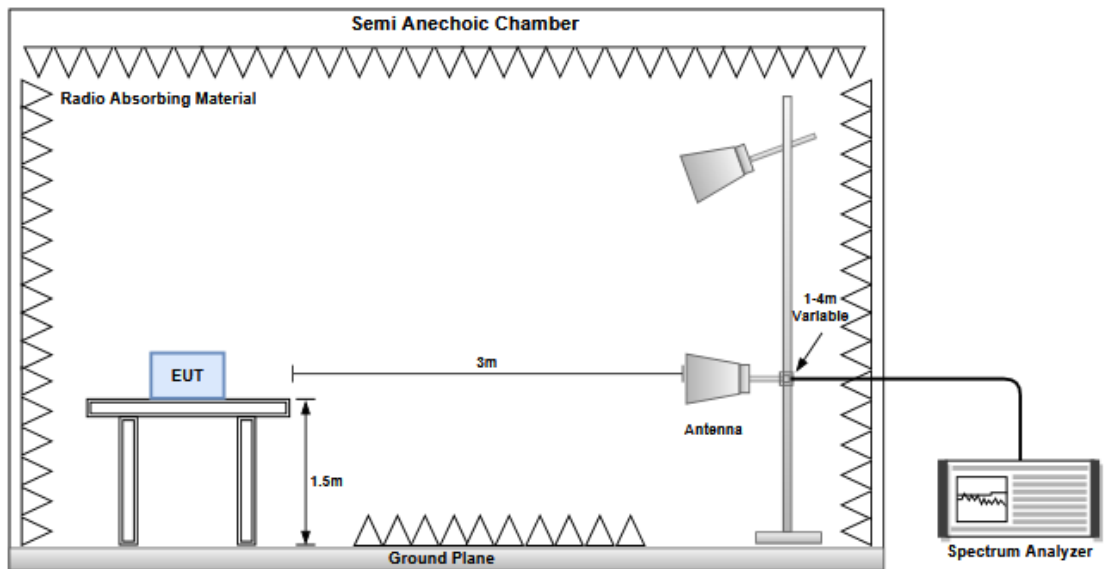
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Unwanted Emissions below 1 GHz



Unwanted Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

3.5 Frequency Stability

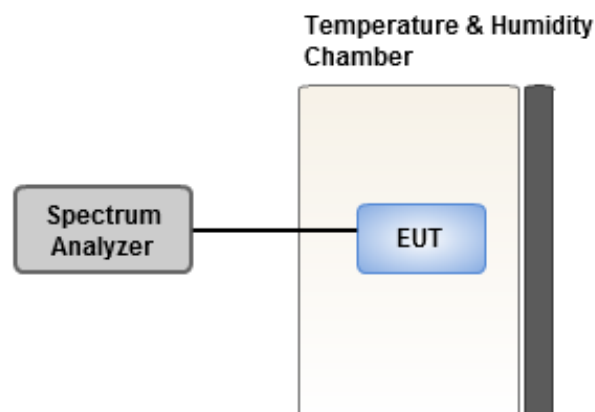
3.5.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.5.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 20 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under normal and extreme condition for temperature and voltage.

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23-24°C / 64-65%	Tested By	Brad Wu
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Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

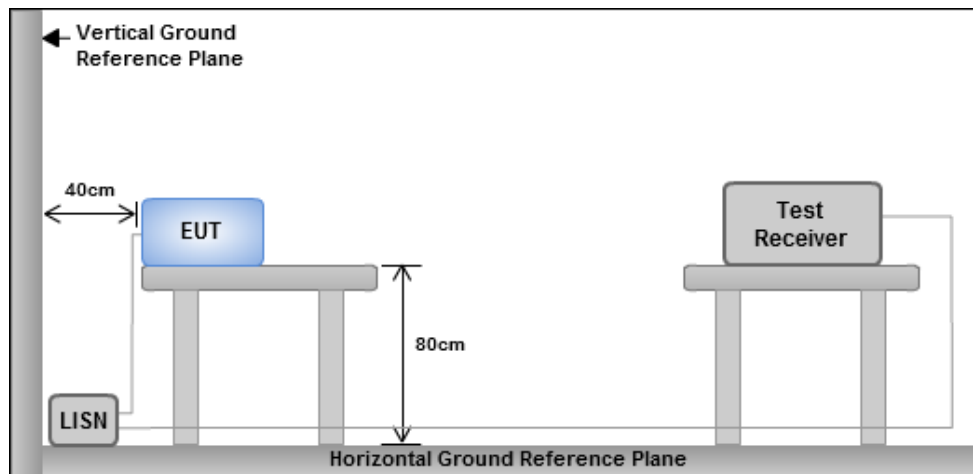
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.6.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 333, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.36M	16.972M	17M0D1D	21.33M	16.942M
802.11n HT20_Nss1,(MCS0)_1TX	21.96M	18.081M	18M1D1D	21.72M	18.021M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.02M	36.702M	36M8D1D	40.02M	36.702M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.48M	75.922M	76M0D1D	81.48M	75.922M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.36M	16.972M	17M0D1D	21.3M	16.912M
802.11n HT20_Nss1,(MCS0)_1TX	21.84M	18.081M	18M1D1D	21.75M	18.051M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.5M	36.642M	36M7D1D	40.08M	36.642M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.24M	75.922M	76M0D1D	81.24M	75.922M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.33M	16.972M	17M0D1D	15.63M	13.553M
802.11n HT20_Nss1,(MCS0)_1TX	21.6M	18.081M	18M1D1D	15.795M	14.078M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.14M	36.642M	36M7D1D	35.07M	33.198M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.6M	75.922M	76M0D1D	75.9M	72.264M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.32M	17.001M	17M0D1D	3.14M	4.498M
802.11n HT20_Nss1,(MCS0)_1TX	17.52M	18.111M	18M2D1D	3.76M	4.618M
802.11ac VHT40_Nss1,(MCS0)_1TX	36M	36.762M	36M8D1D	3.12M	5.677M
802.11ac VHT80_Nss1,(MCS0)_1TX	75.12M	75.922M	76M0D1D	2.72M	10.135M

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 / Minimum 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_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.36M	16.942M
5200MHz	Pass	Inf	21.33M	16.942M
5240MHz	Pass	Inf	21.33M	16.972M
5260MHz	Pass	Inf	21.36M	16.972M
5300MHz	Pass	Inf	21.3M	16.912M
5320MHz	Pass	Inf	21.36M	16.972M
5500MHz	Pass	Inf	21.33M	16.942M
5580MHz	Pass	Inf	21.3M	16.972M
5700MHz	Pass	Inf	21.3M	16.972M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	13.553M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.498M
5745MHz	Pass	500k	16.29M	16.942M
5785MHz	Pass	500k	16.29M	17.001M
5825MHz	Pass	500k	16.32M	16.972M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.81M	18.081M
5200MHz	Pass	Inf	21.72M	18.021M
5240MHz	Pass	Inf	21.96M	18.051M
5260MHz	Pass	Inf	21.84M	18.051M
5300MHz	Pass	Inf	21.78M	18.081M
5320MHz	Pass	Inf	21.75M	18.051M
5500MHz	Pass	Inf	21.57M	18.051M
5580MHz	Pass	Inf	21.6M	18.051M
5700MHz	Pass	Inf	21.6M	18.081M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	14.078M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.618M
5745MHz	Pass	500k	17.52M	18.081M
5785MHz	Pass	500k	17.19M	18.111M
5825MHz	Pass	500k	17.52M	18.081M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.02M	36.702M
5230MHz	Pass	Inf	40.02M	36.702M
5270MHz	Pass	Inf	40.08M	36.642M
5310MHz	Pass	Inf	40.5M	36.642M
5510MHz	Pass	Inf	40.02M	36.462M
5590MHz	Pass	Inf	40.14M	36.642M
5670MHz	Pass	Inf	40.02M	36.642M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.07M	33.198M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	5.677M
5755MHz	Pass	500k	35.82M	36.702M
5795MHz	Pass	500k	36M	36.762M



Emission Bandwidth

Appendix A

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.48M	75.922M
5290MHz	Pass	Inf	81.24M	75.922M
5530MHz	Pass	Inf	81.24M	75.802M
5610MHz	Pass	Inf	81.6M	75.922M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.9M	72.264M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.72M	10.135M
5775MHz	Pass	500k	75.12M	75.922M

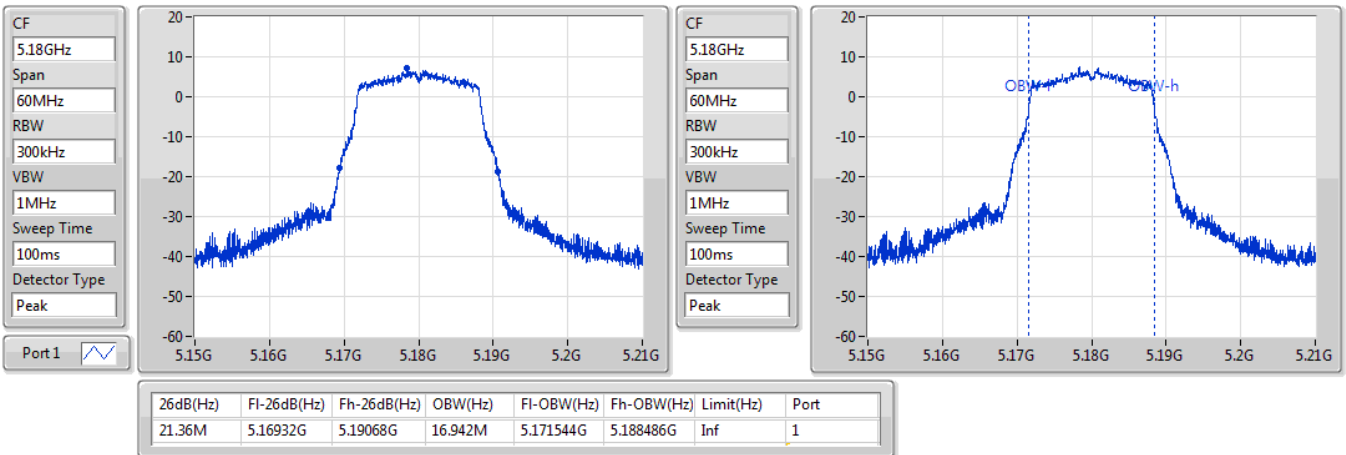
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX

EBW

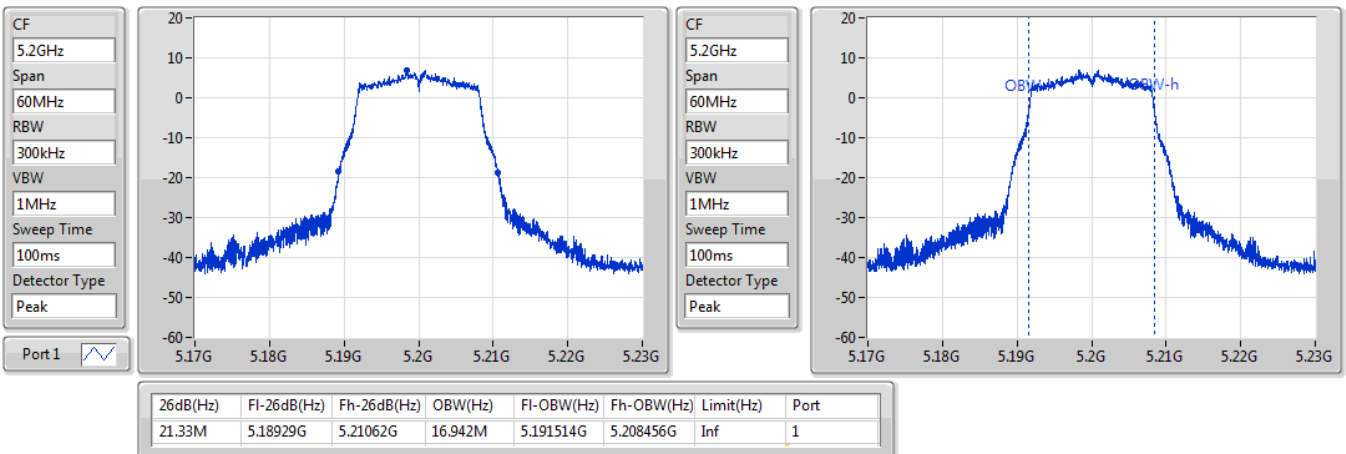
5180MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

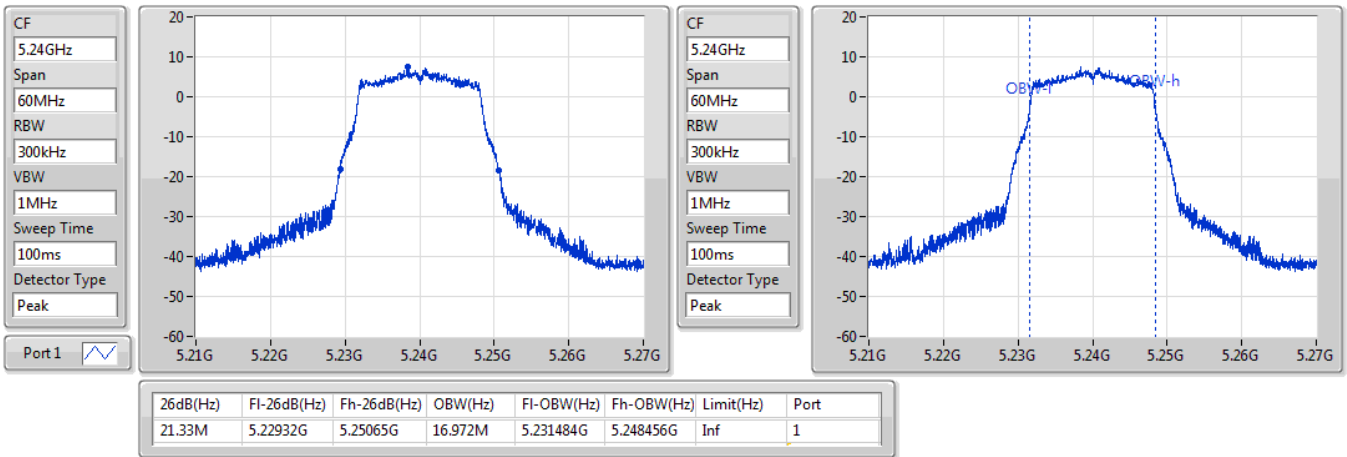
5200MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

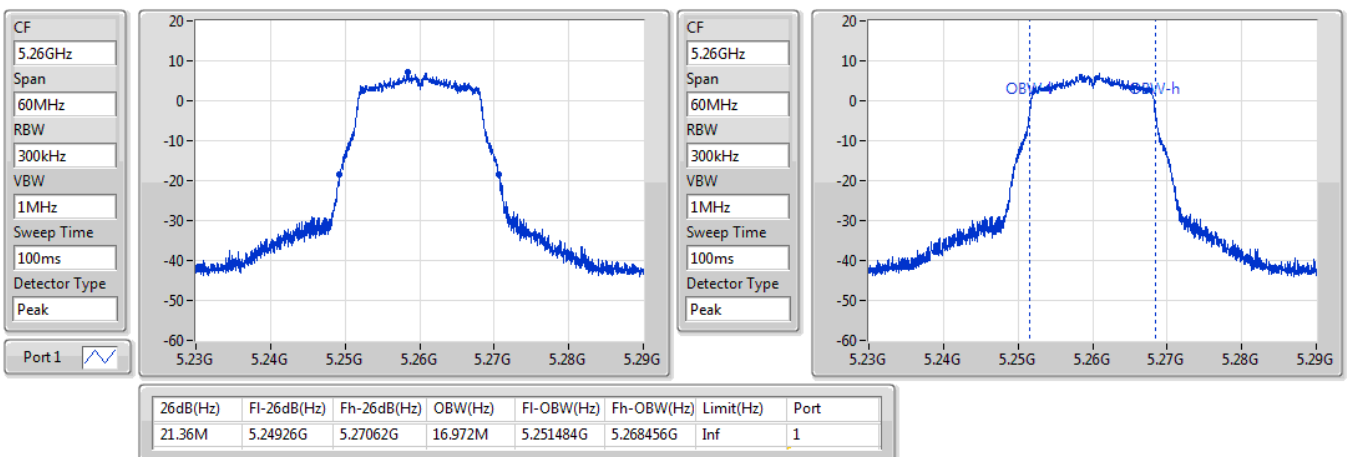
5240MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

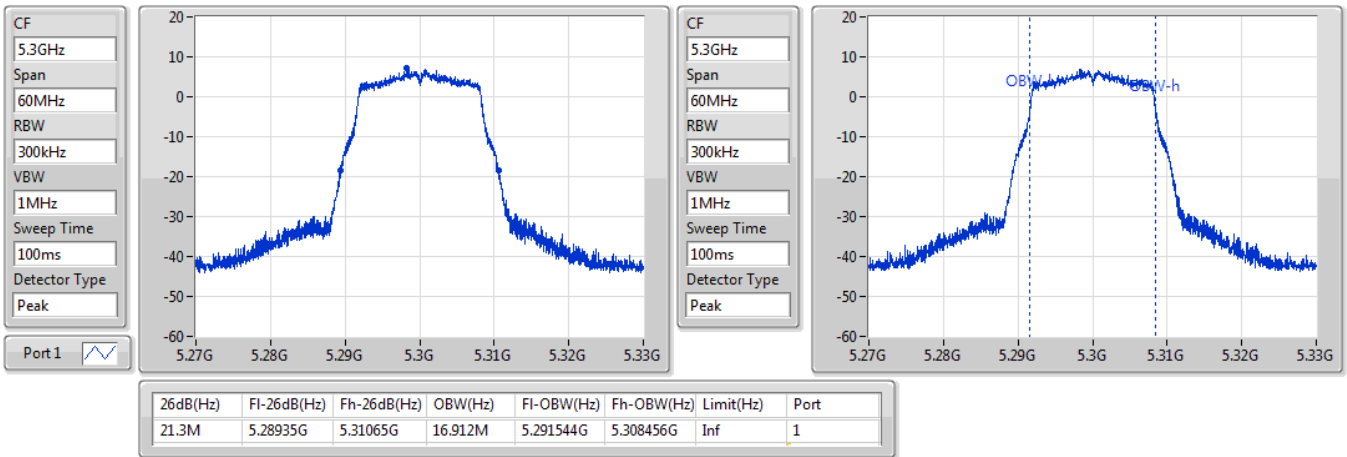
5260MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

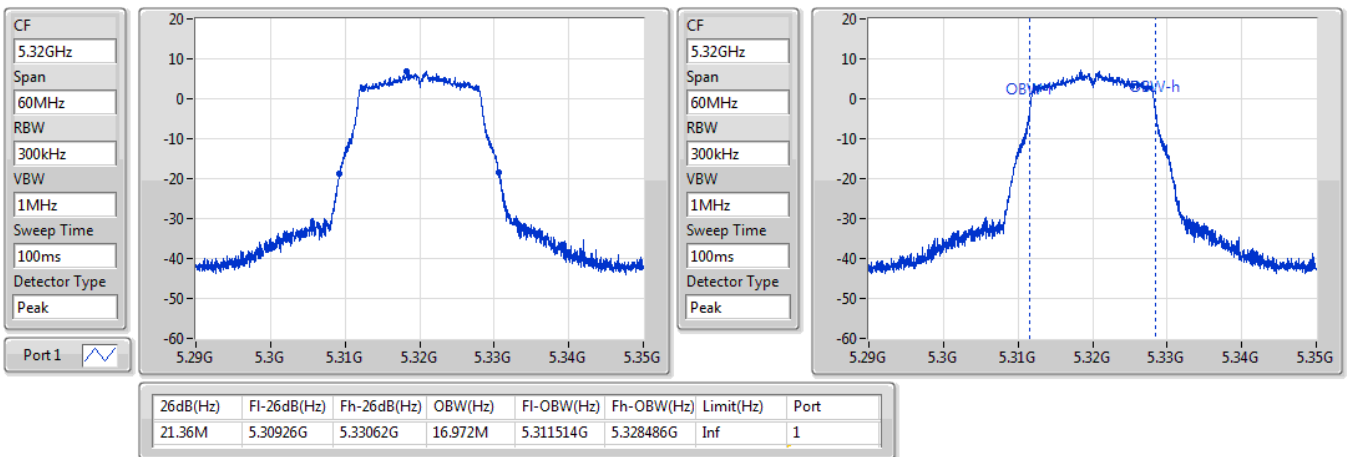
5300MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

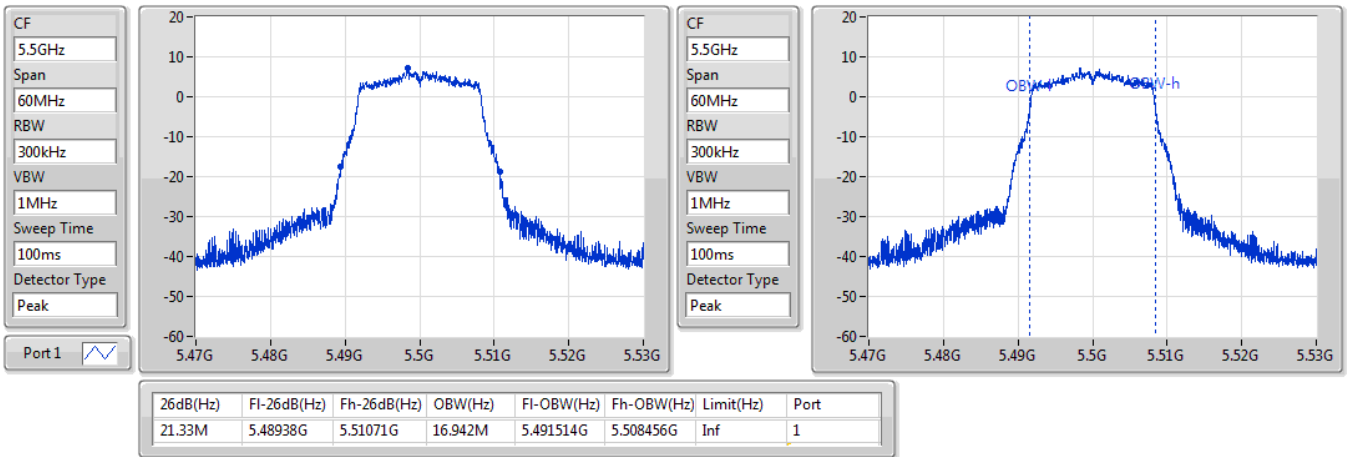
5320MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

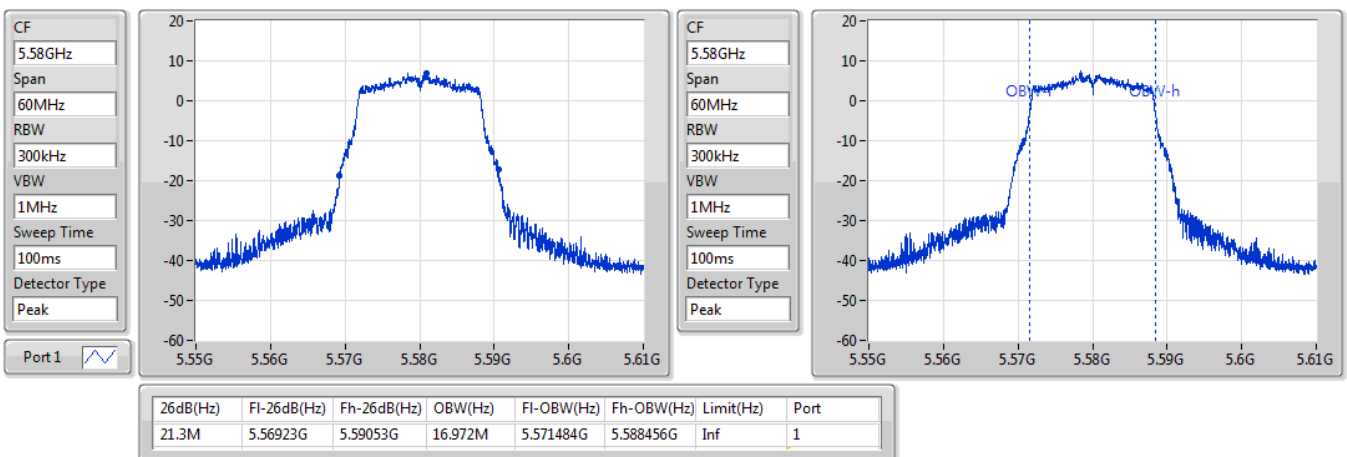
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802.11a_Nss1,(6Mbps)_1TX

EBW

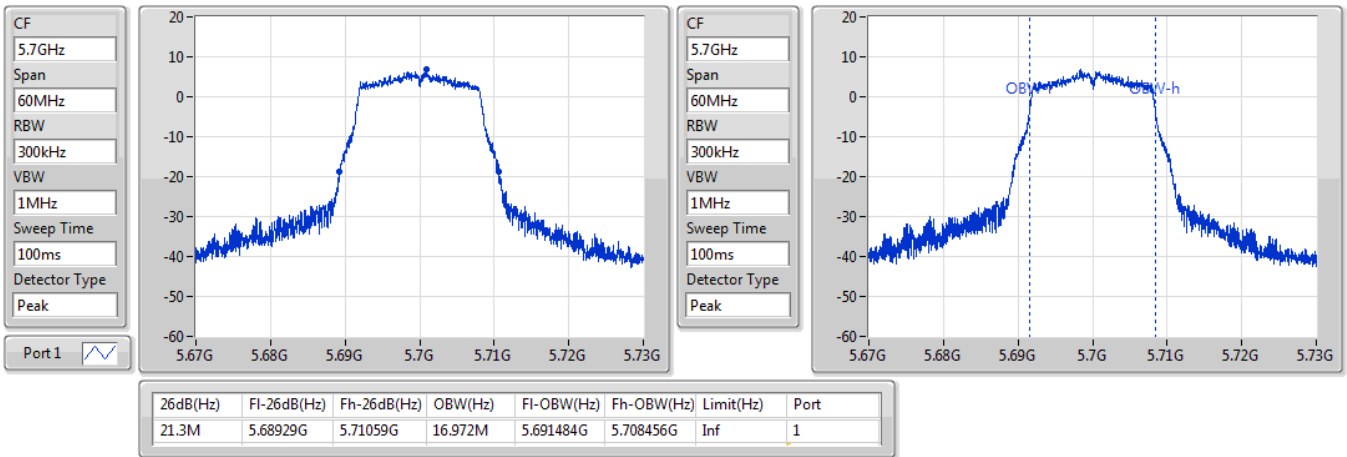
5580MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

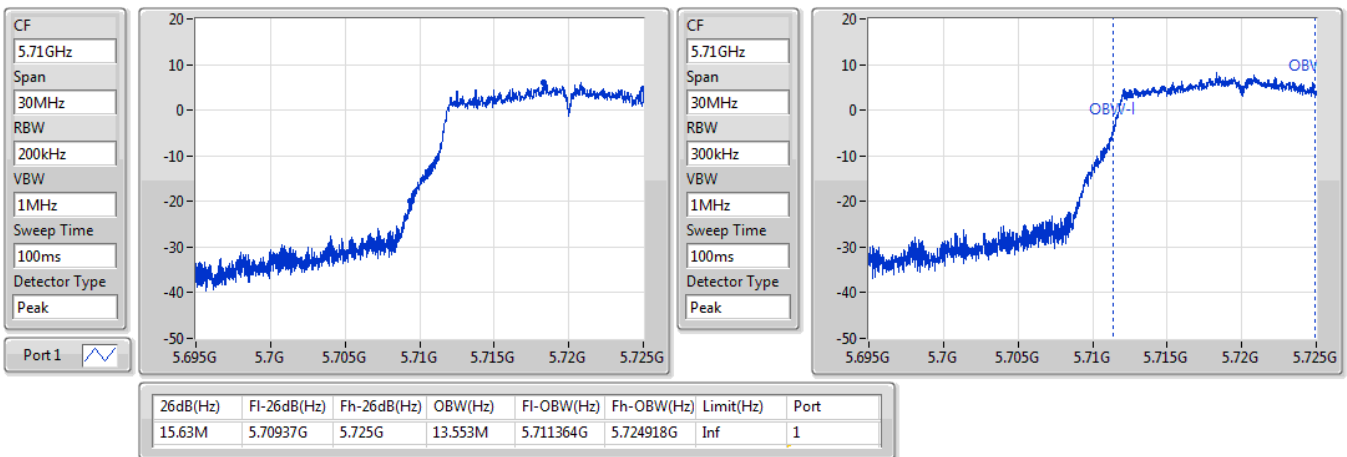
5700MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

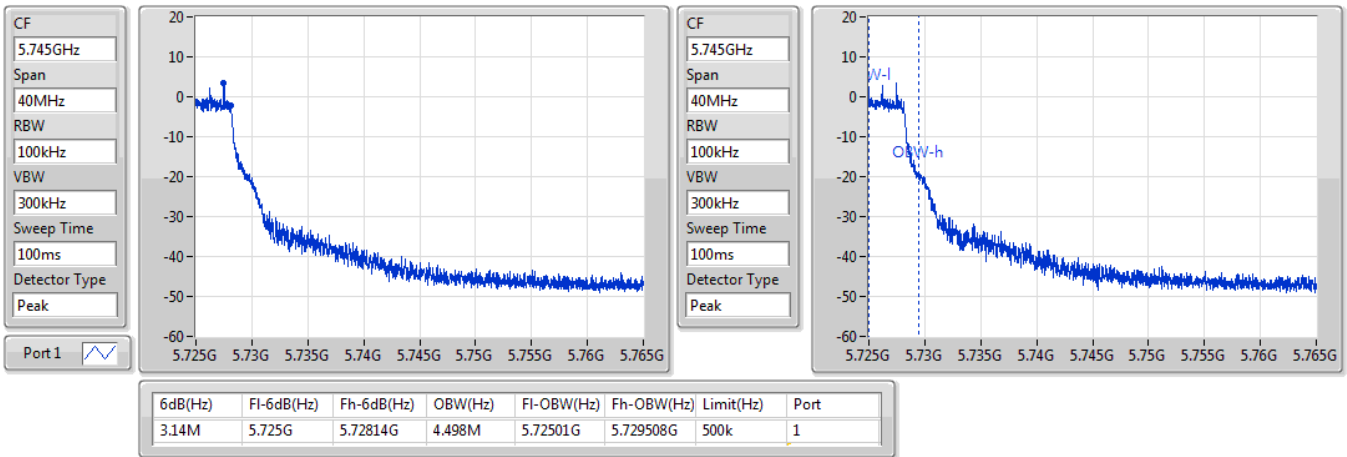
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

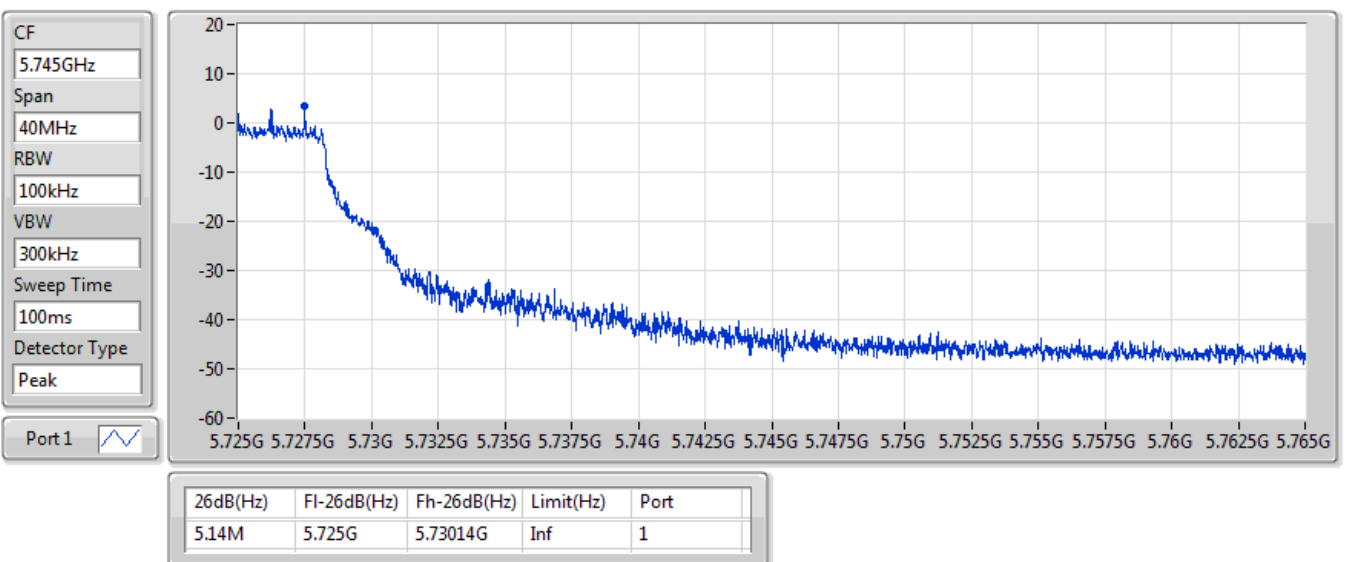
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

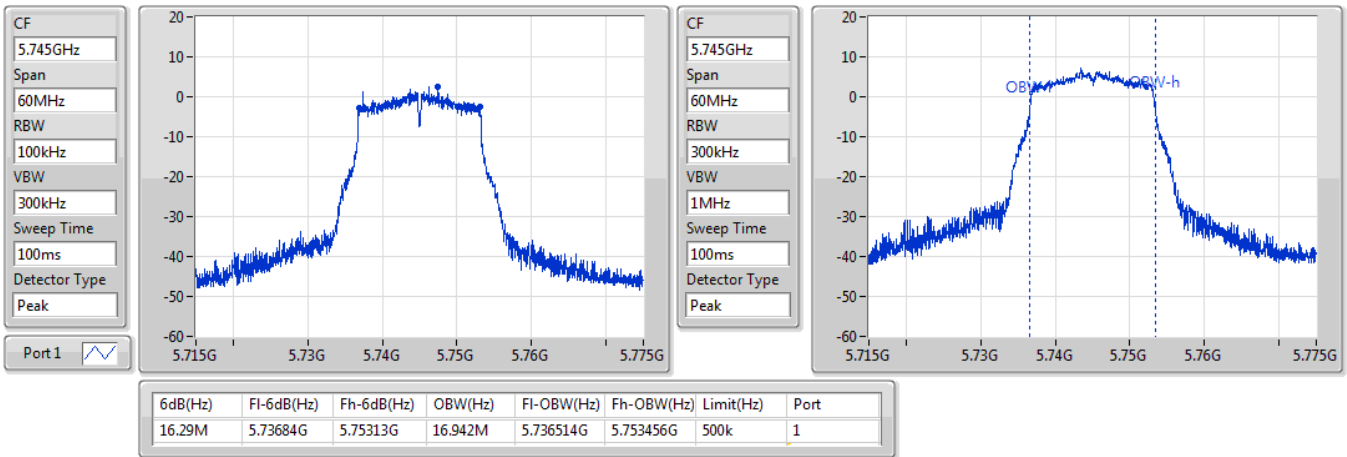
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

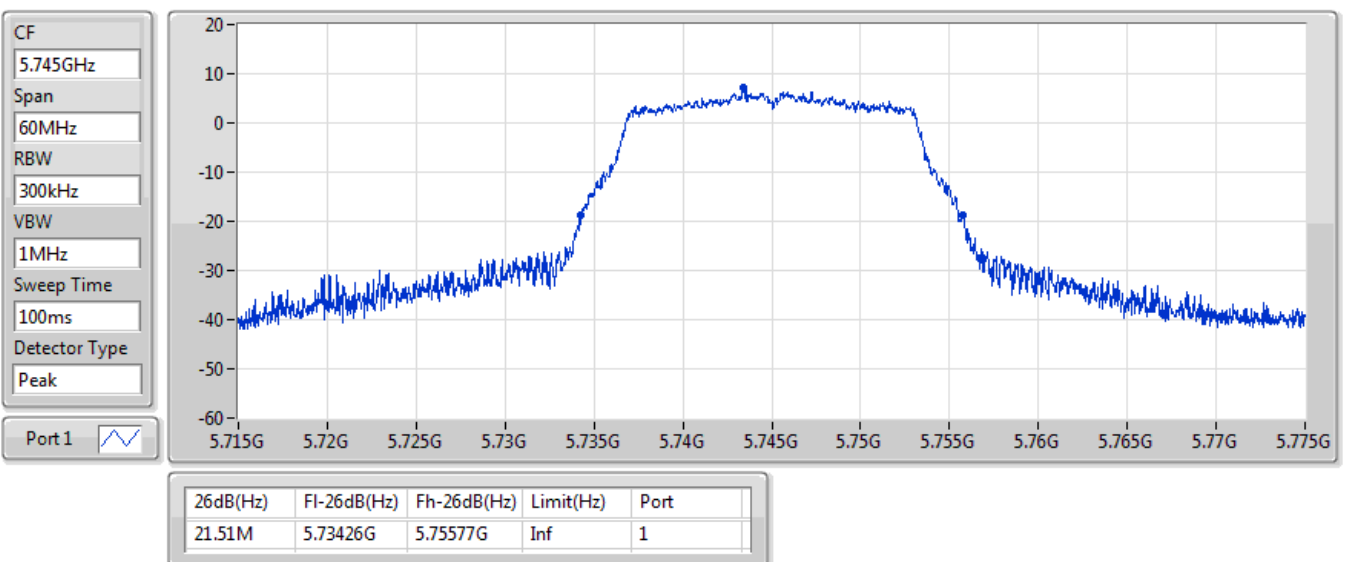
5745MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

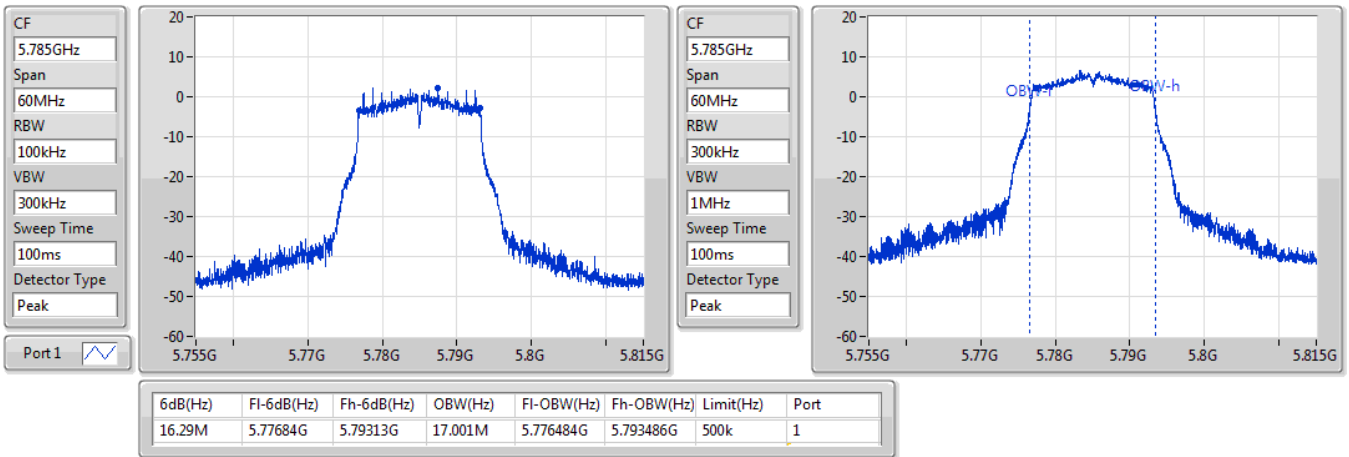
5745MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

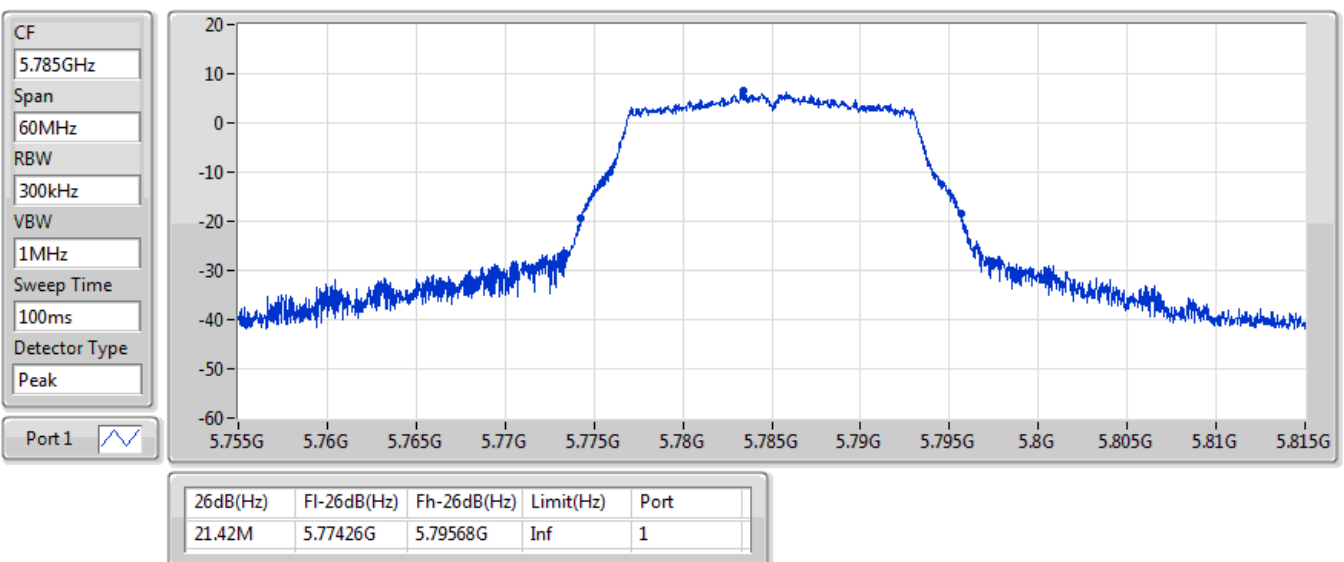
5785MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

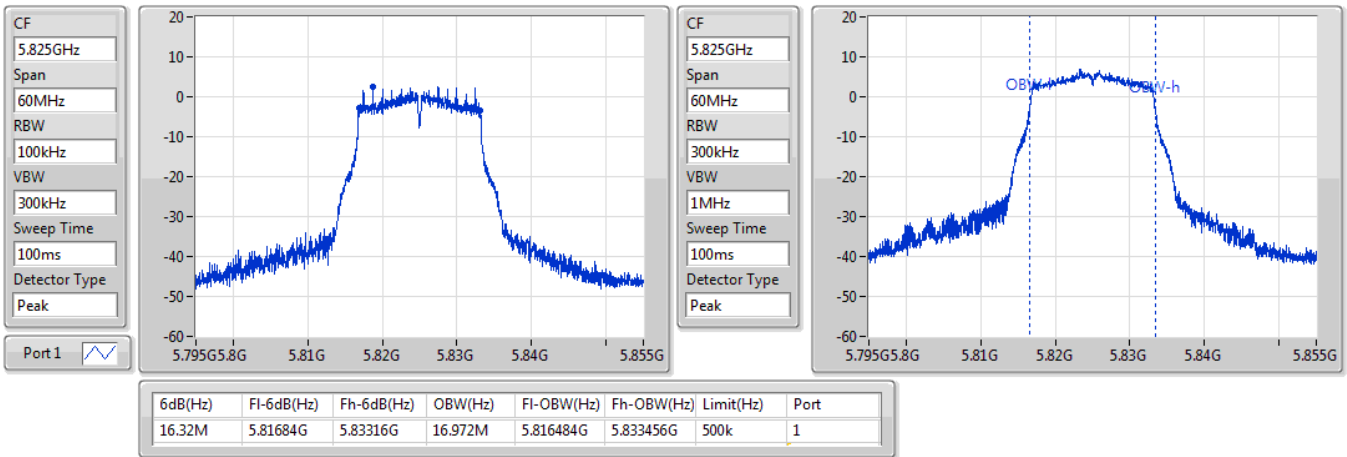
5785MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

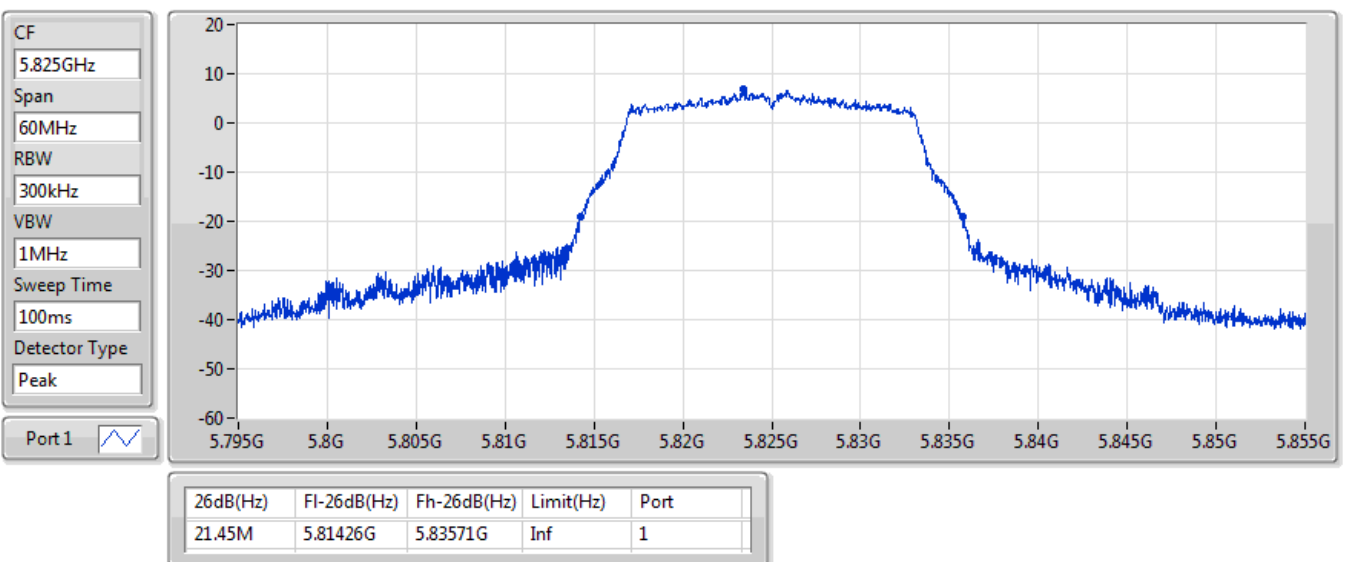
5825MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

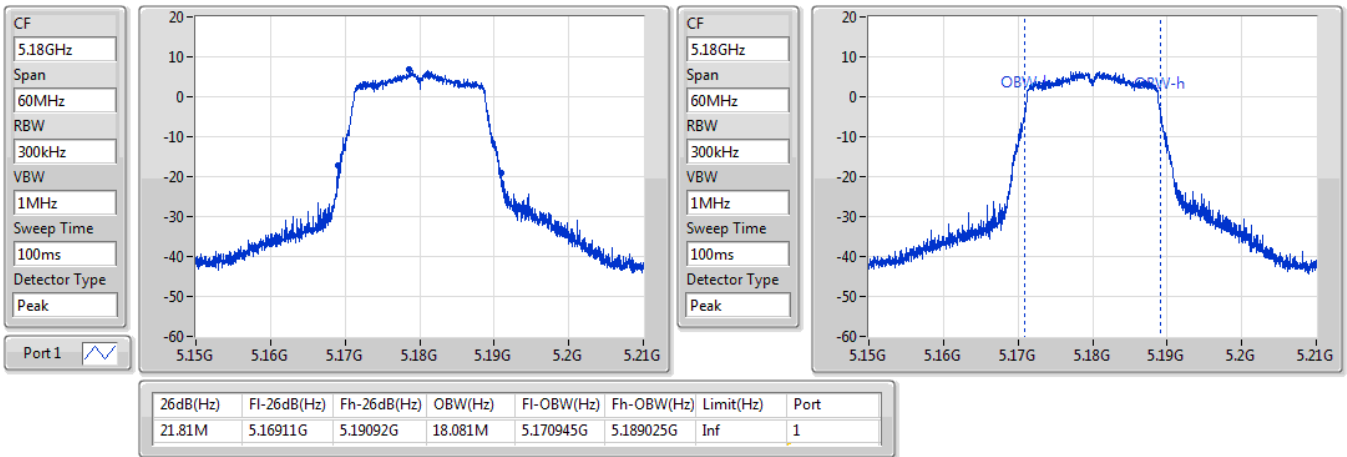
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

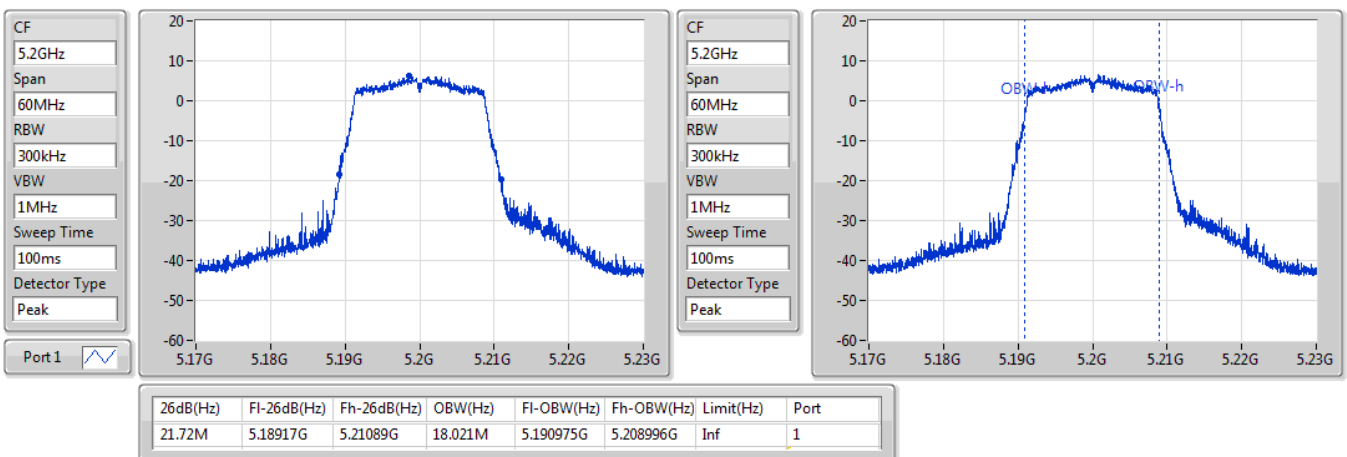
5180MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

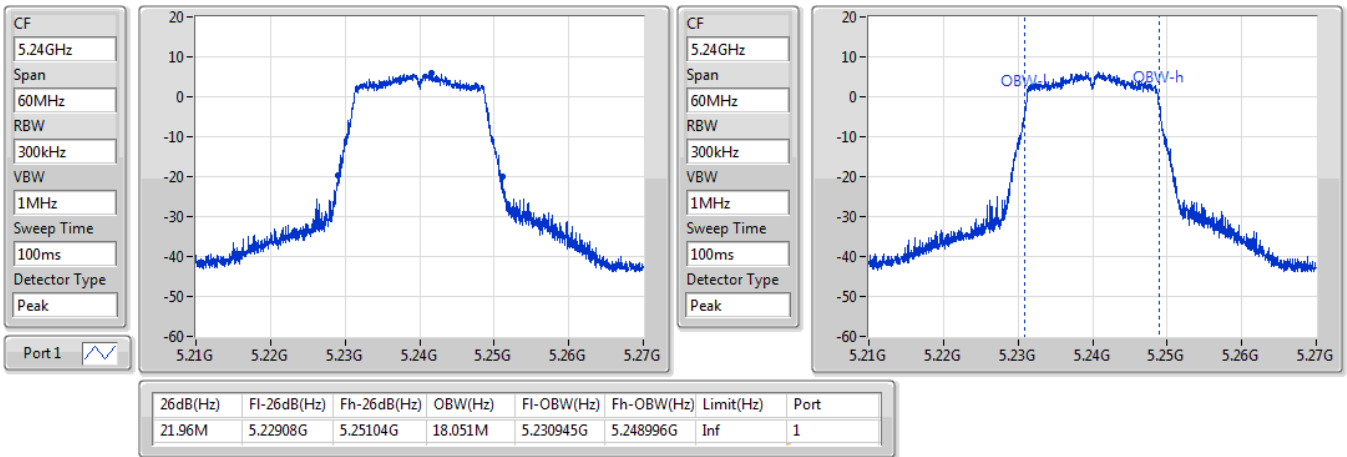
5200MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

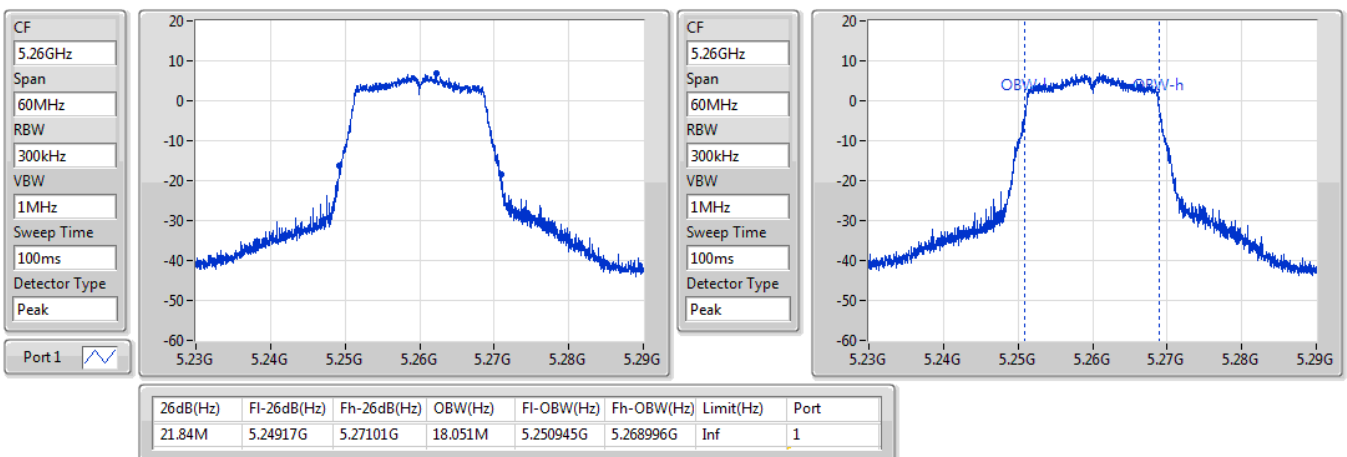
5240MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

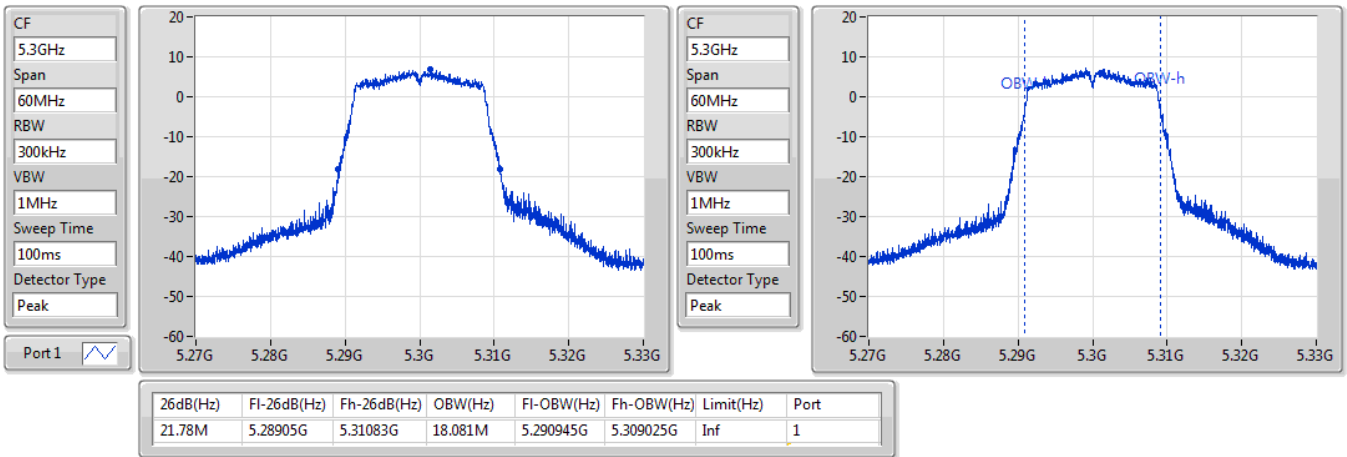
5260MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

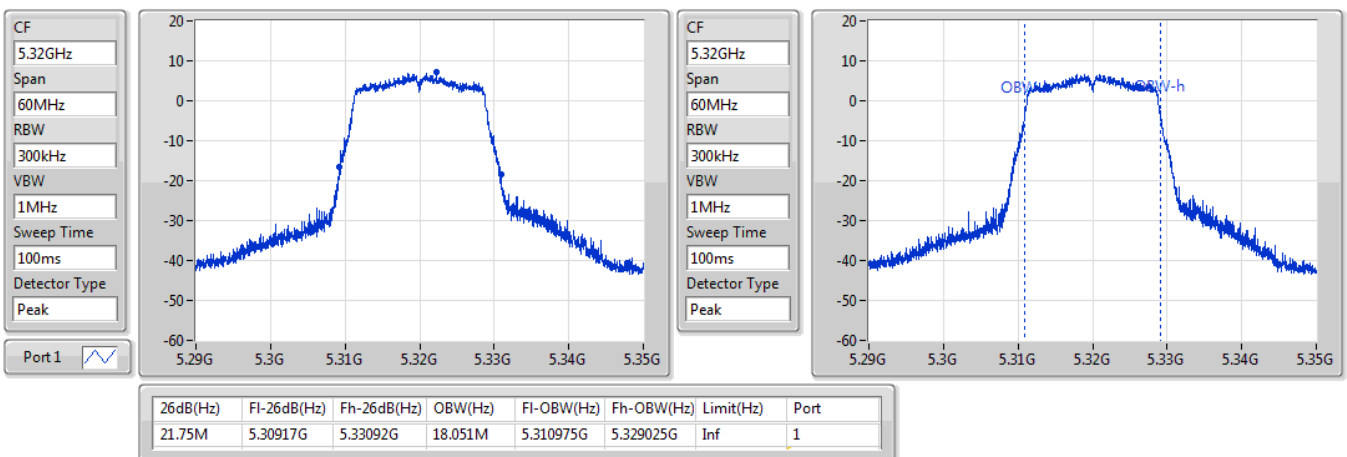
5300MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

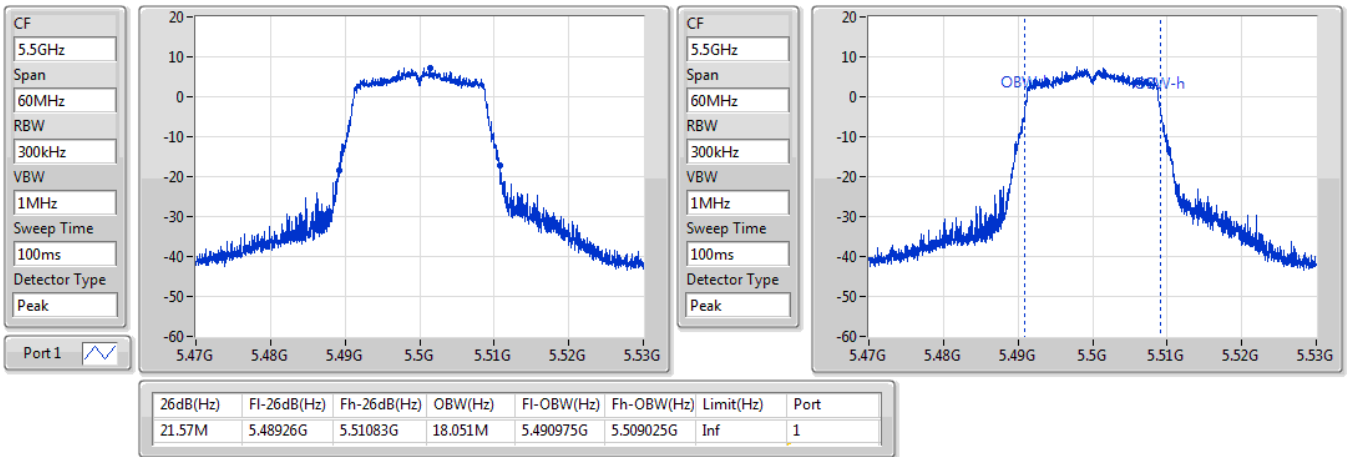
5320MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

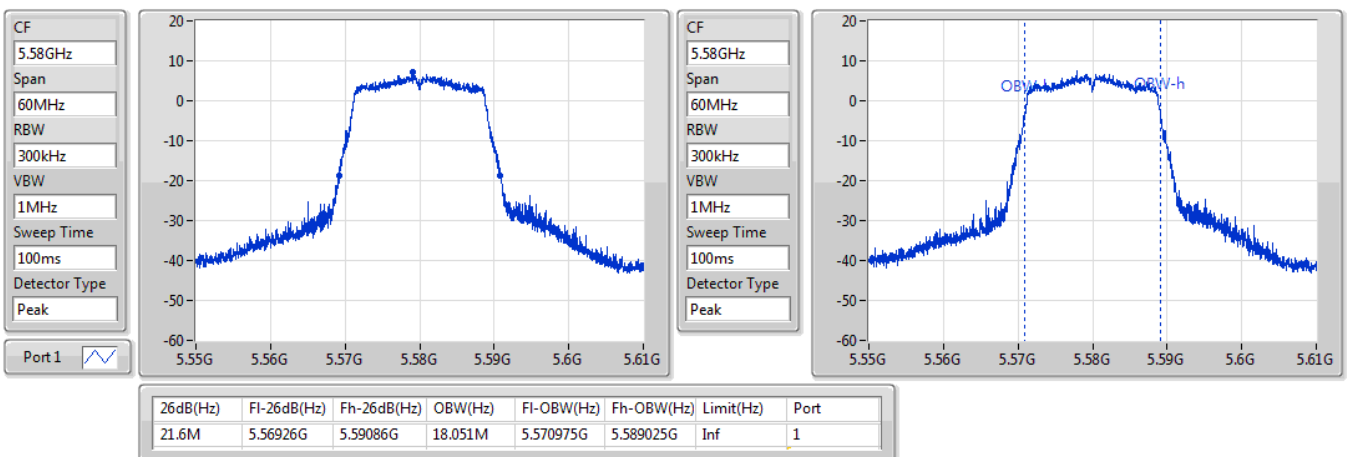
5500MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

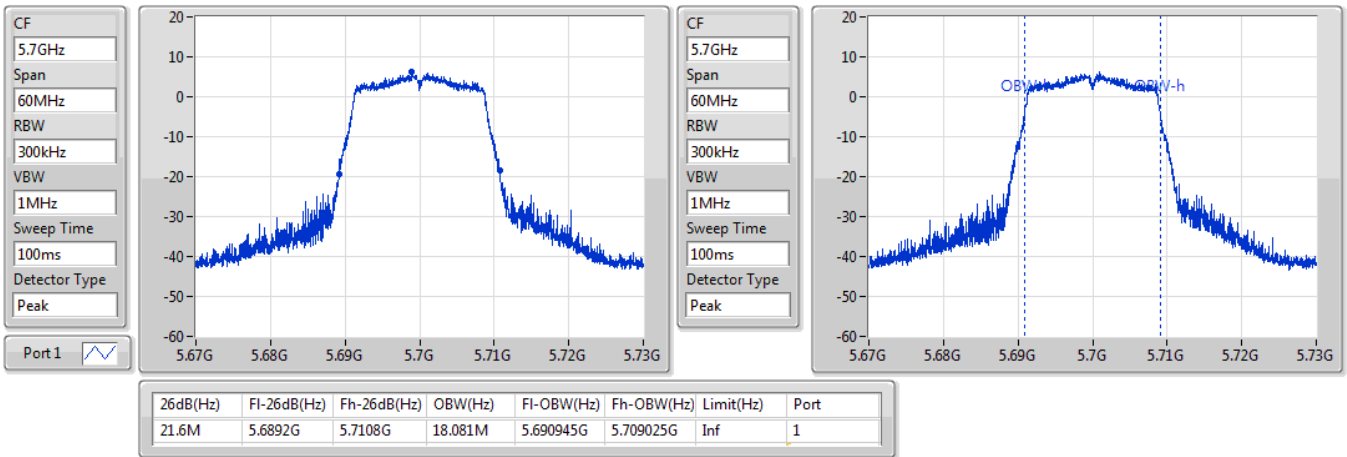
5580MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

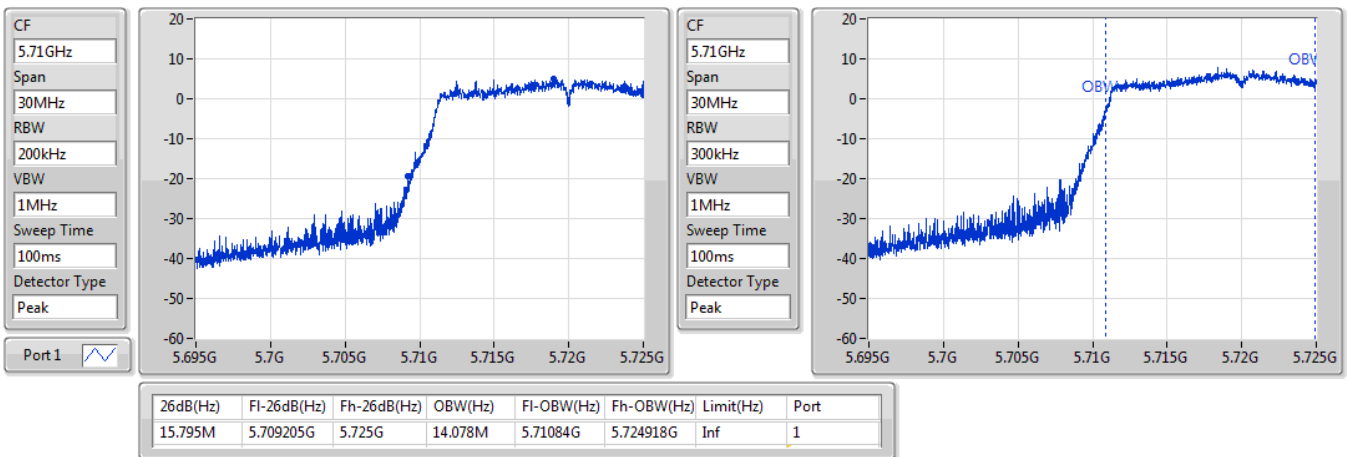
5700MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

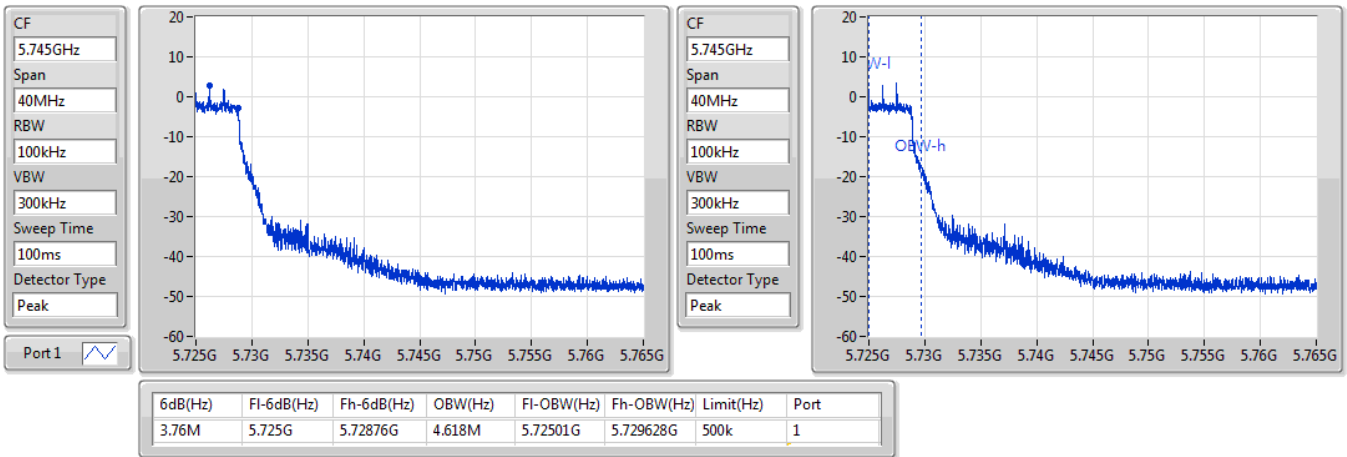
5720MHz Straddle 5.67-5.725GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

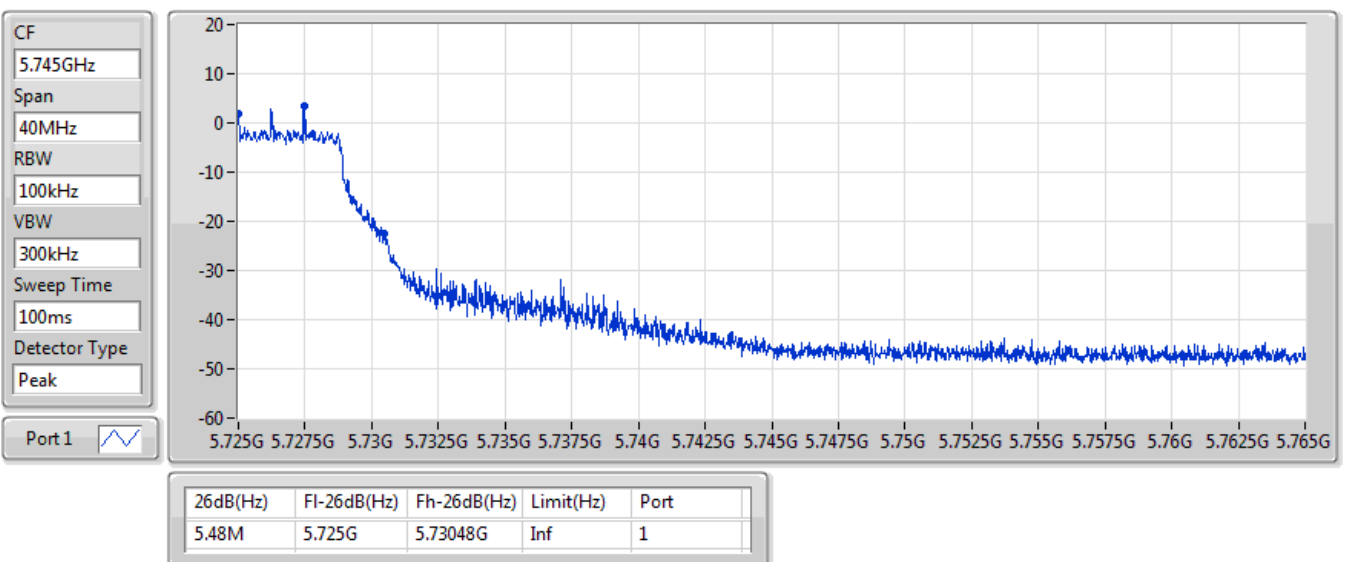
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

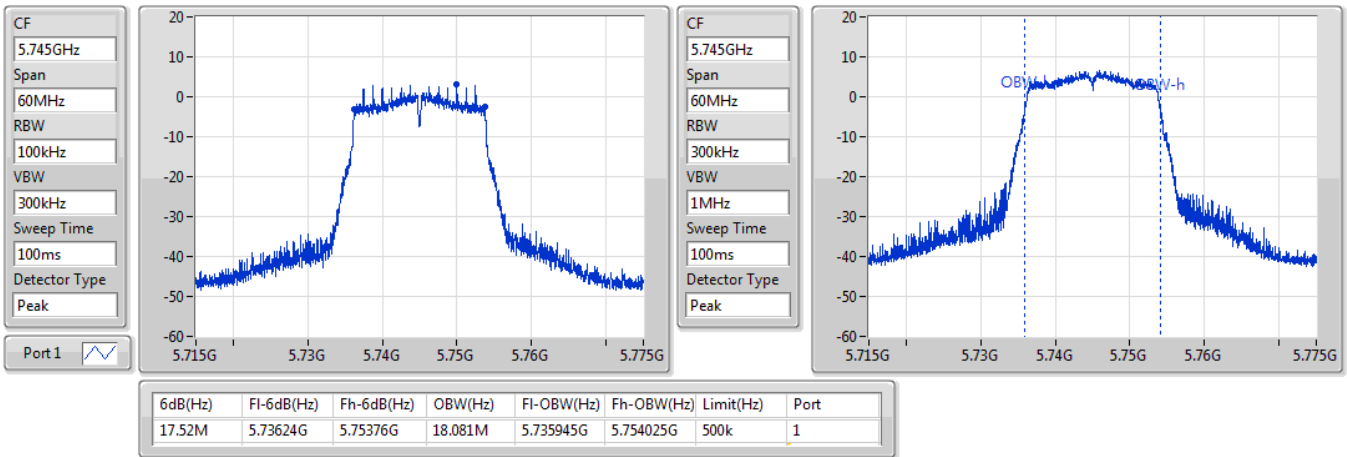
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

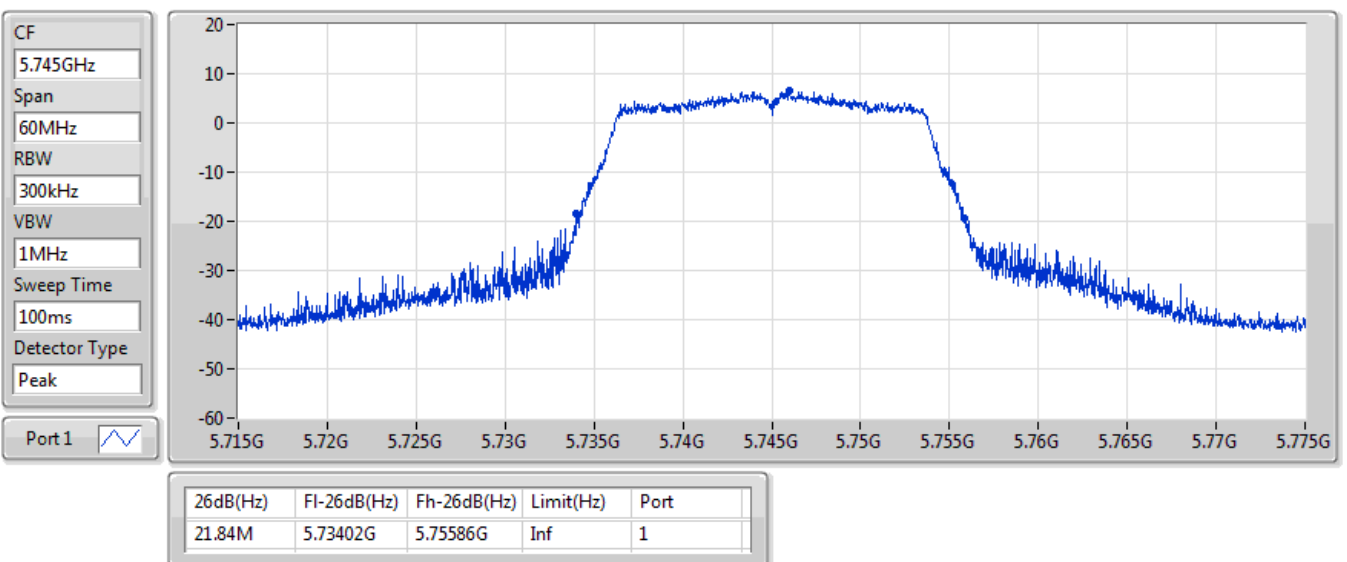
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

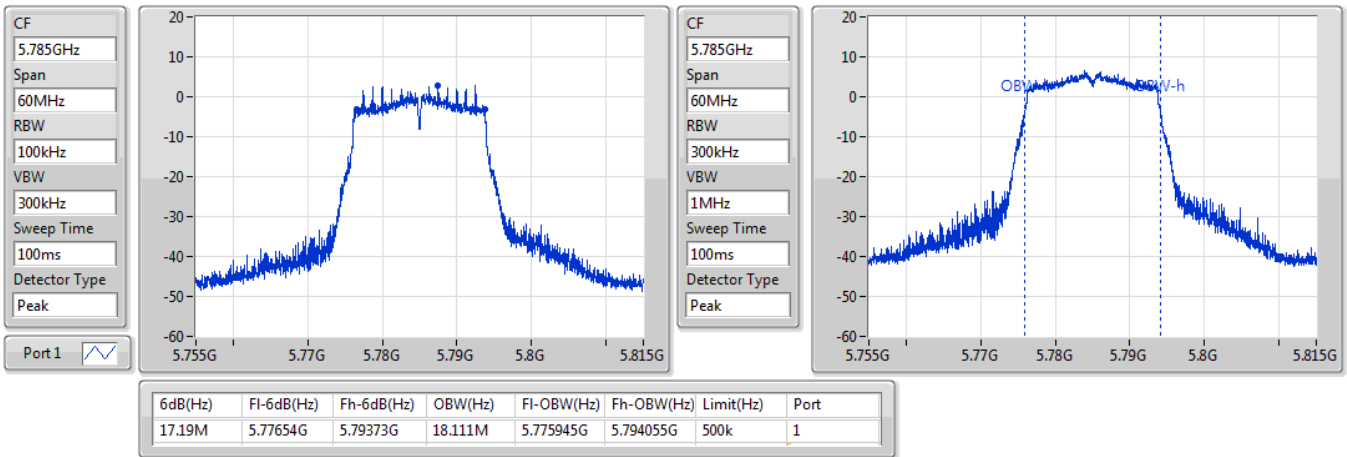
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

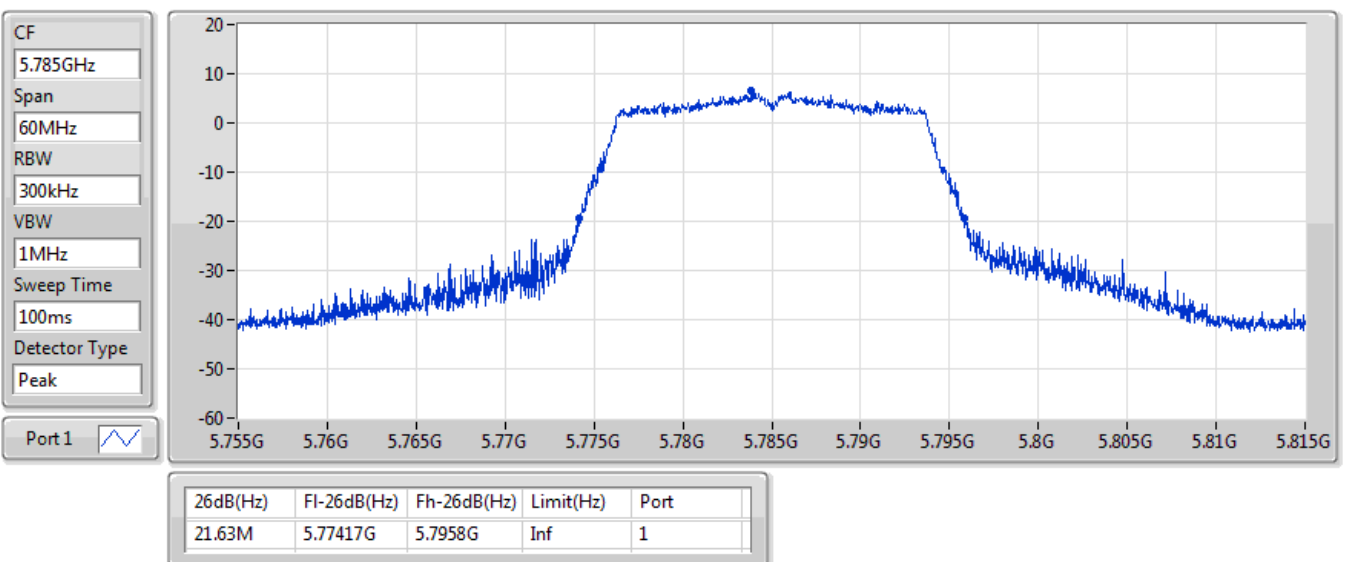
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

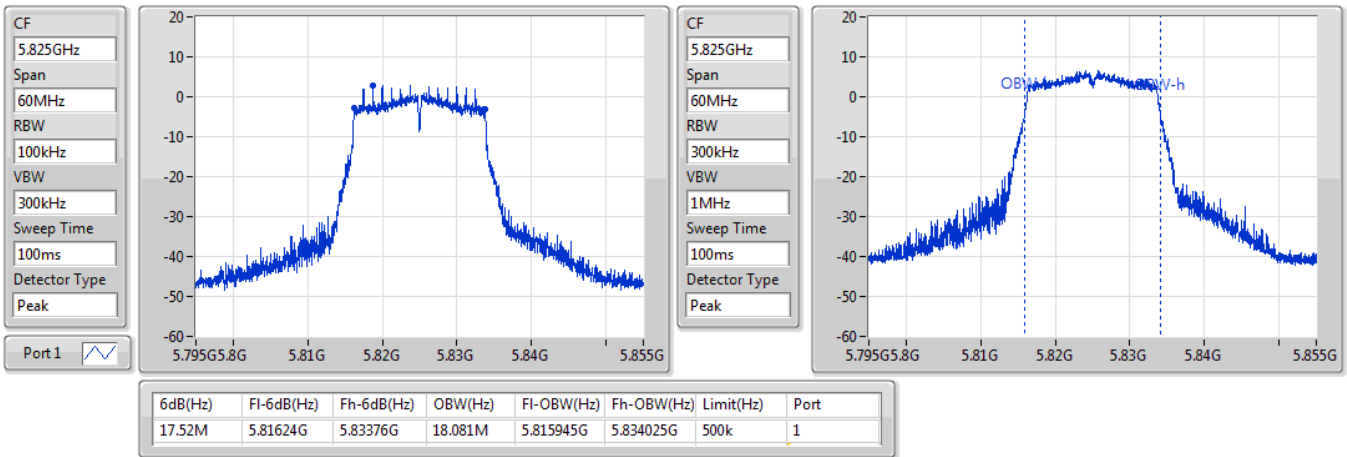
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

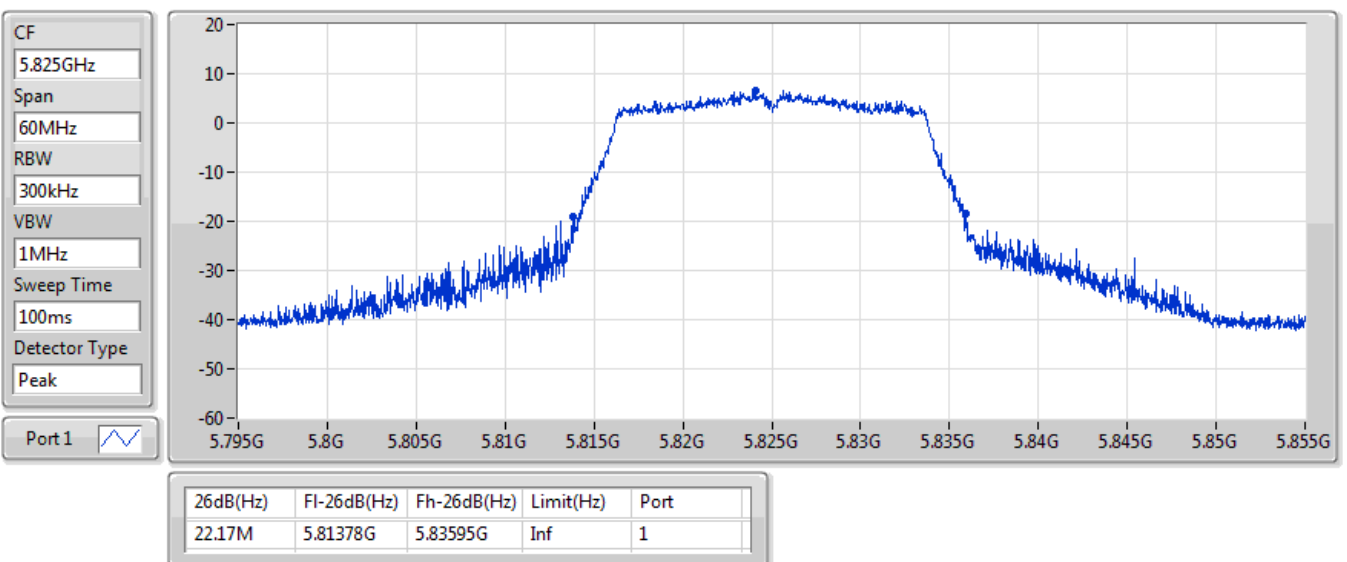
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

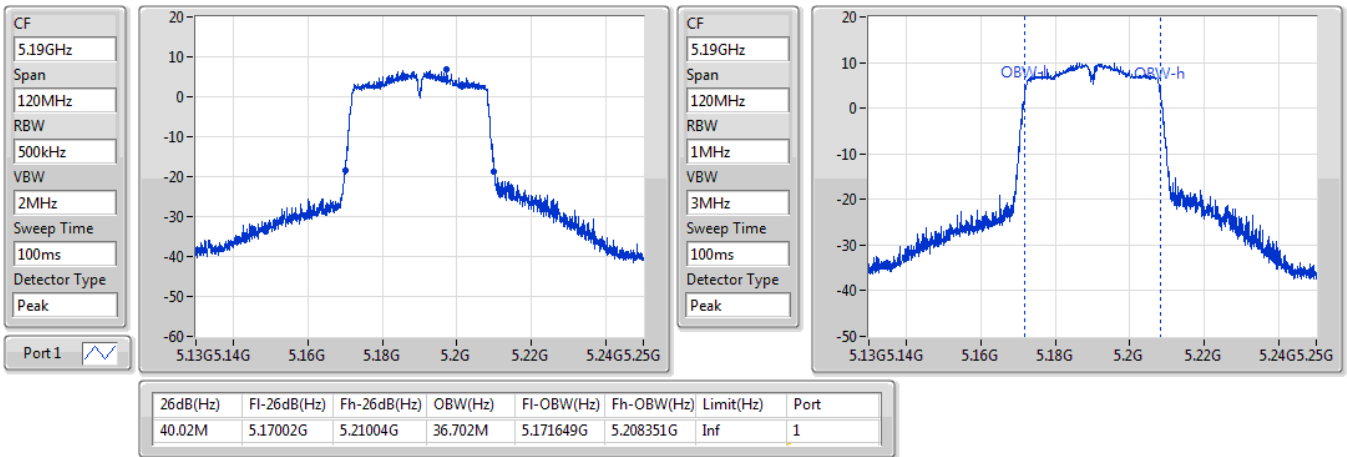
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

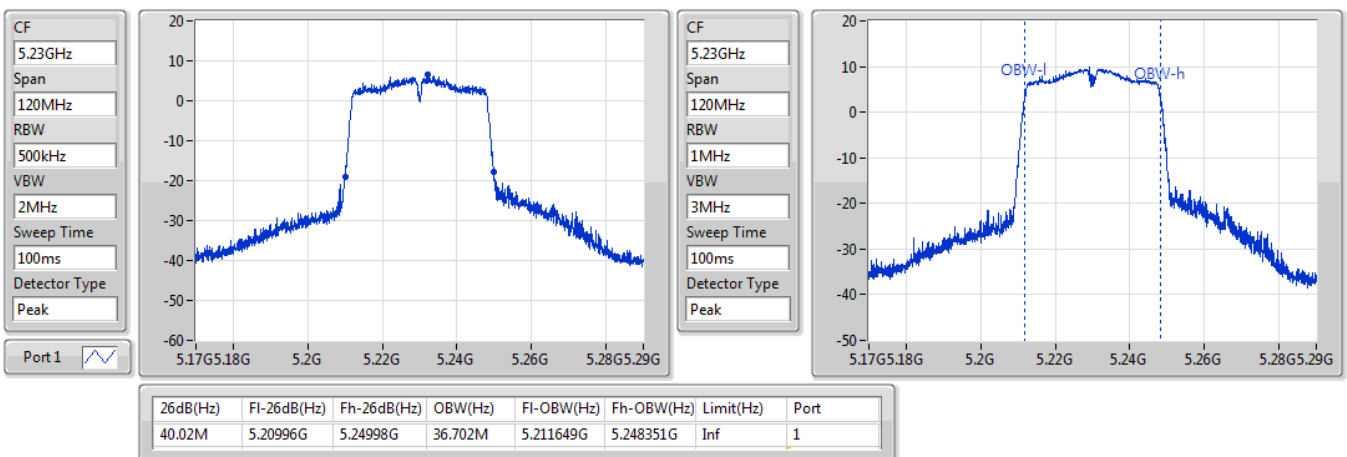
5190MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

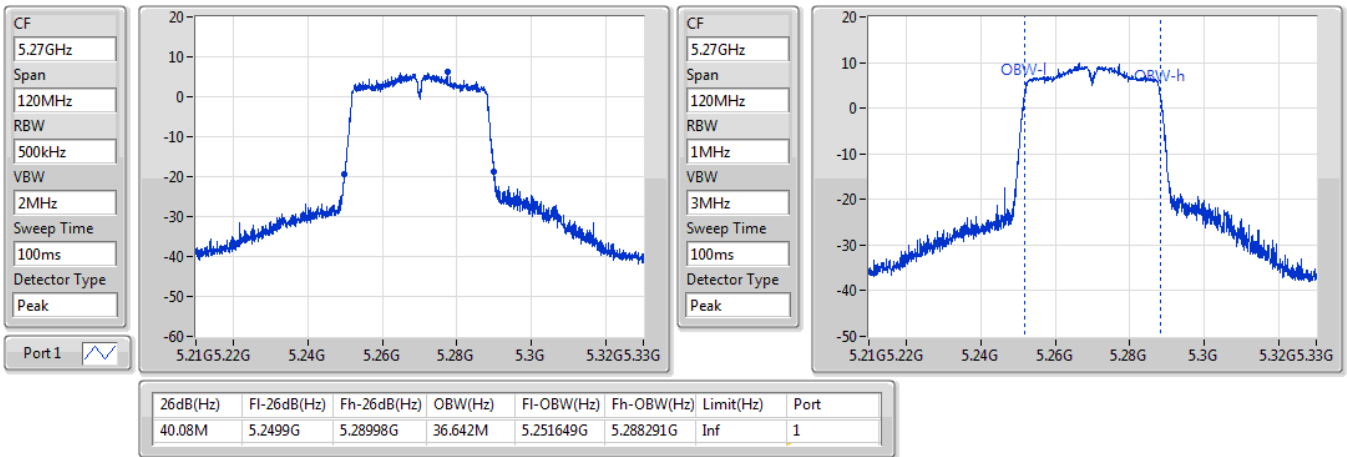
5230MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

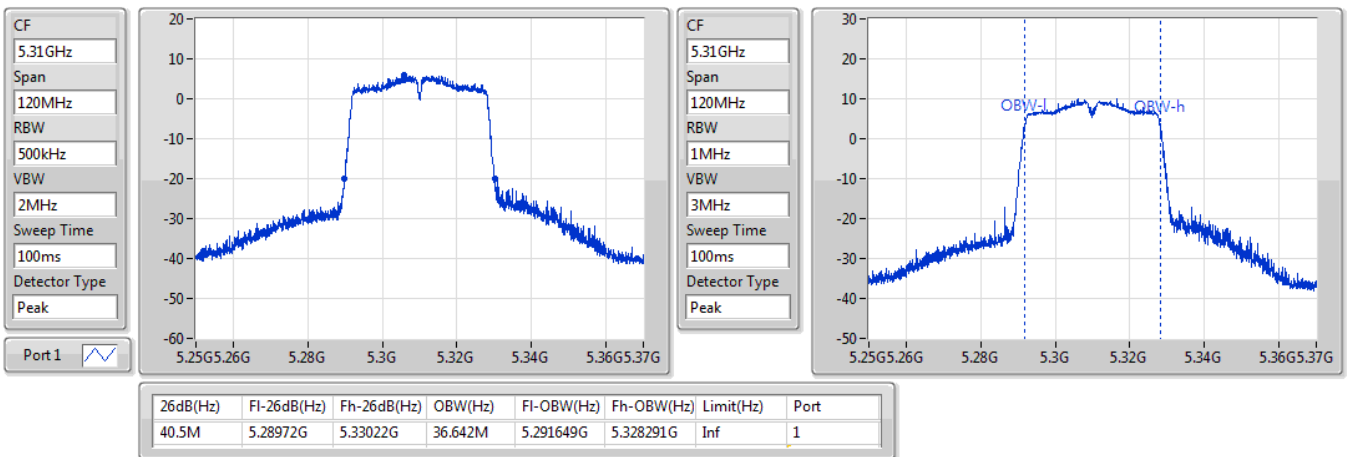
5270MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

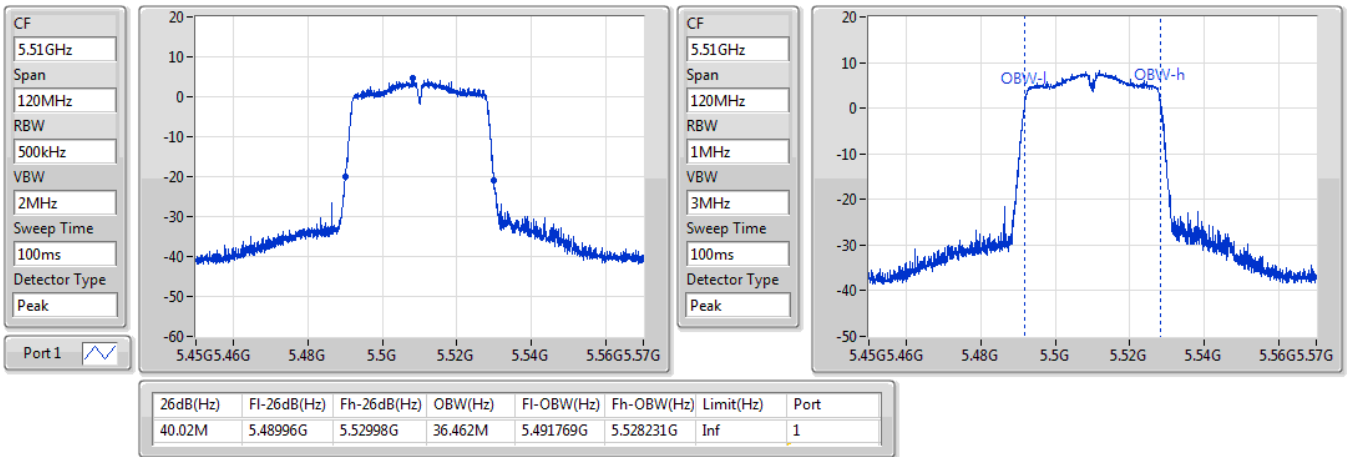
5310MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

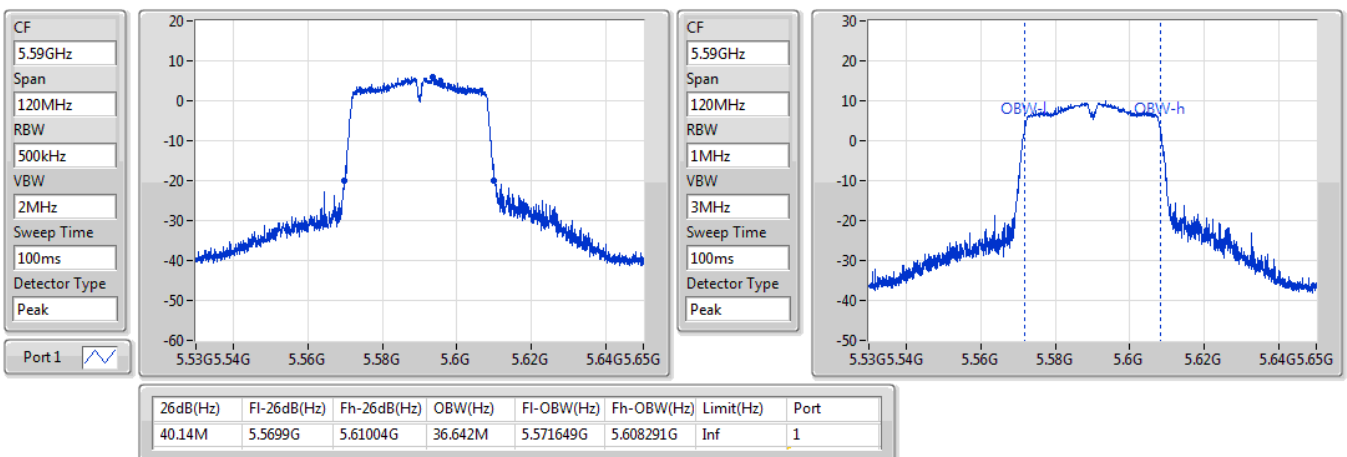
5510MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

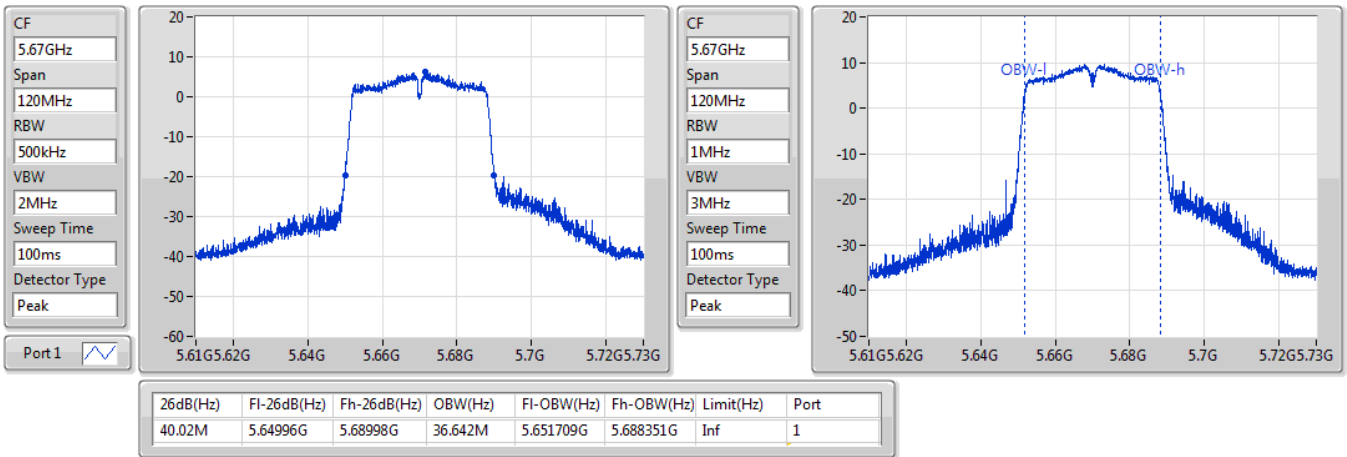
5590MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

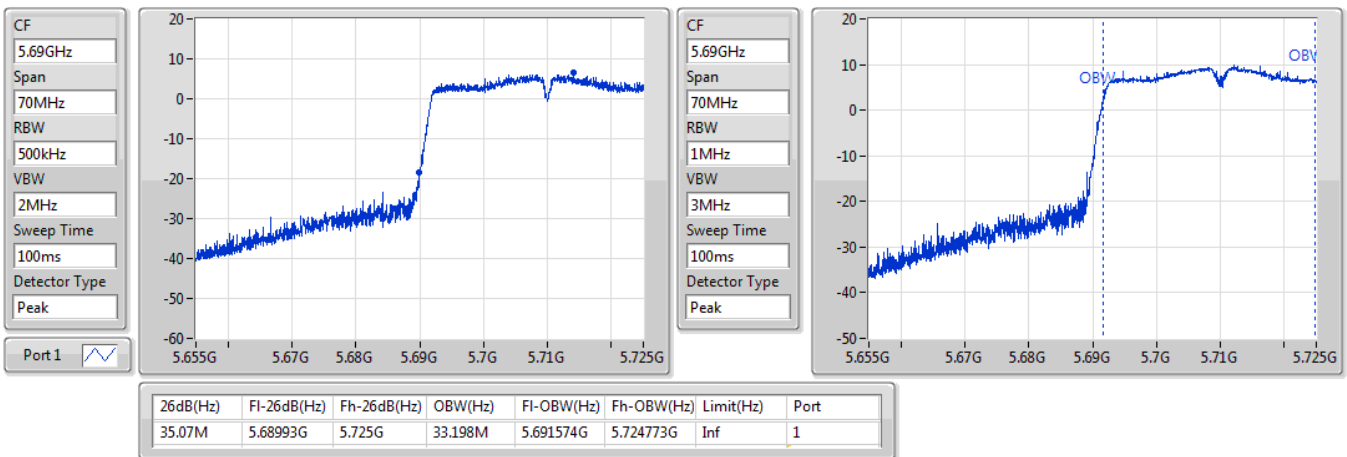
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

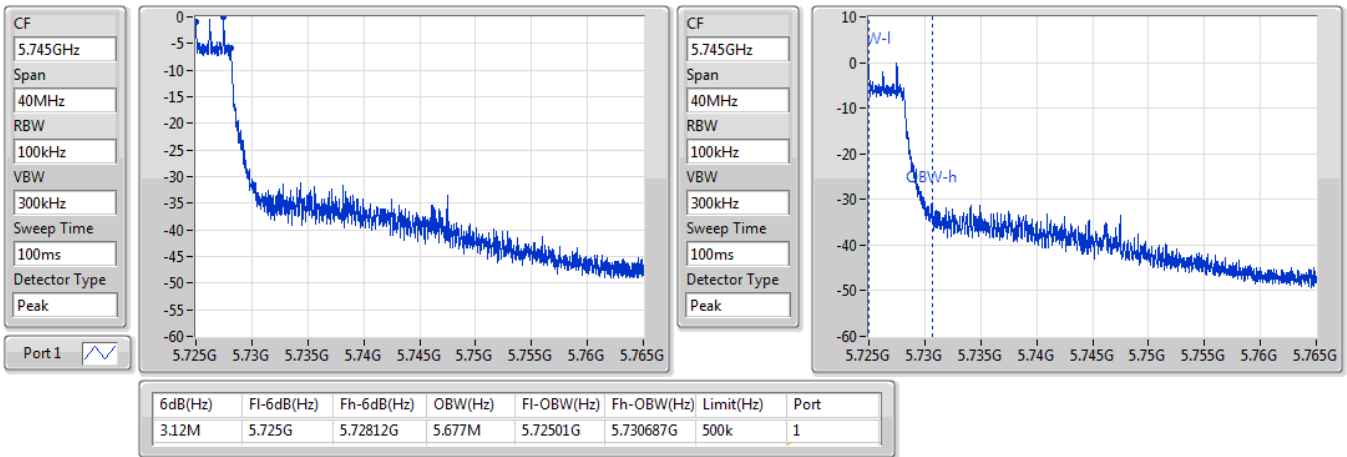
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

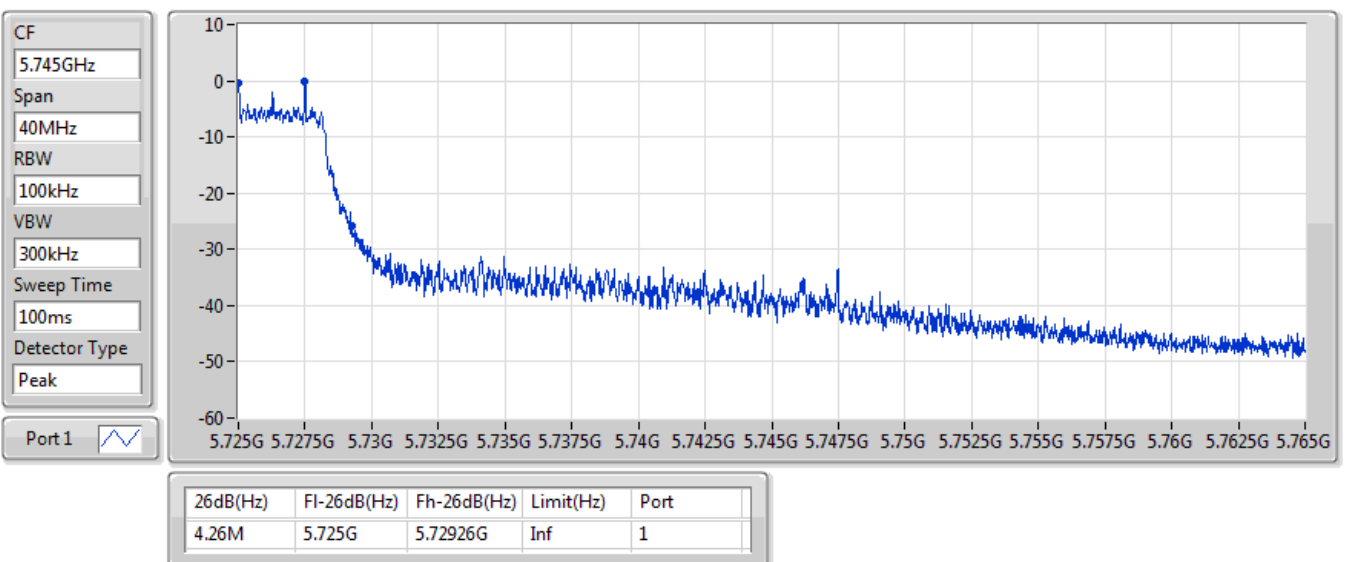
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

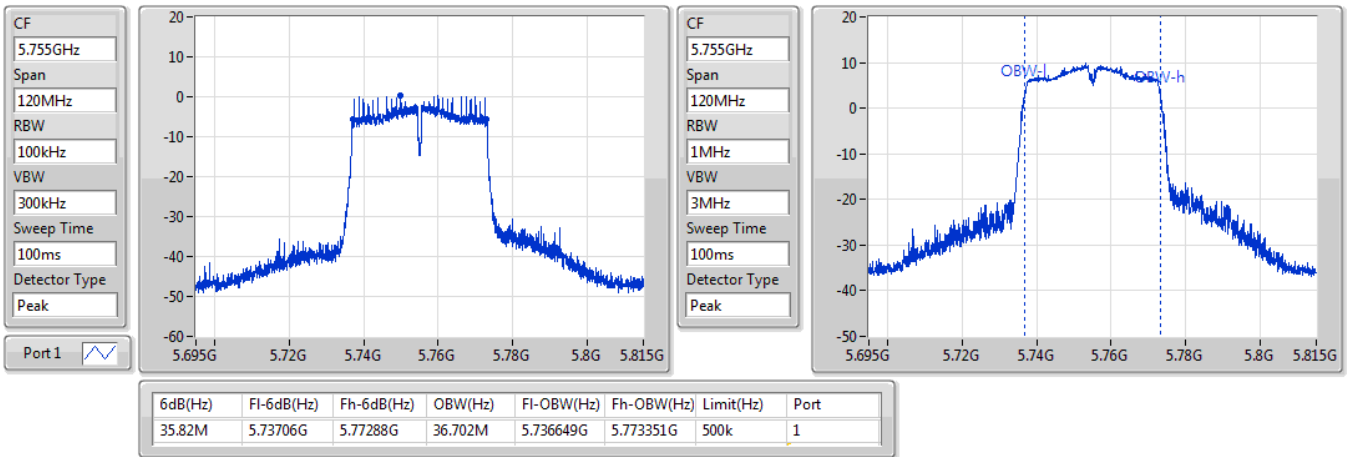
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

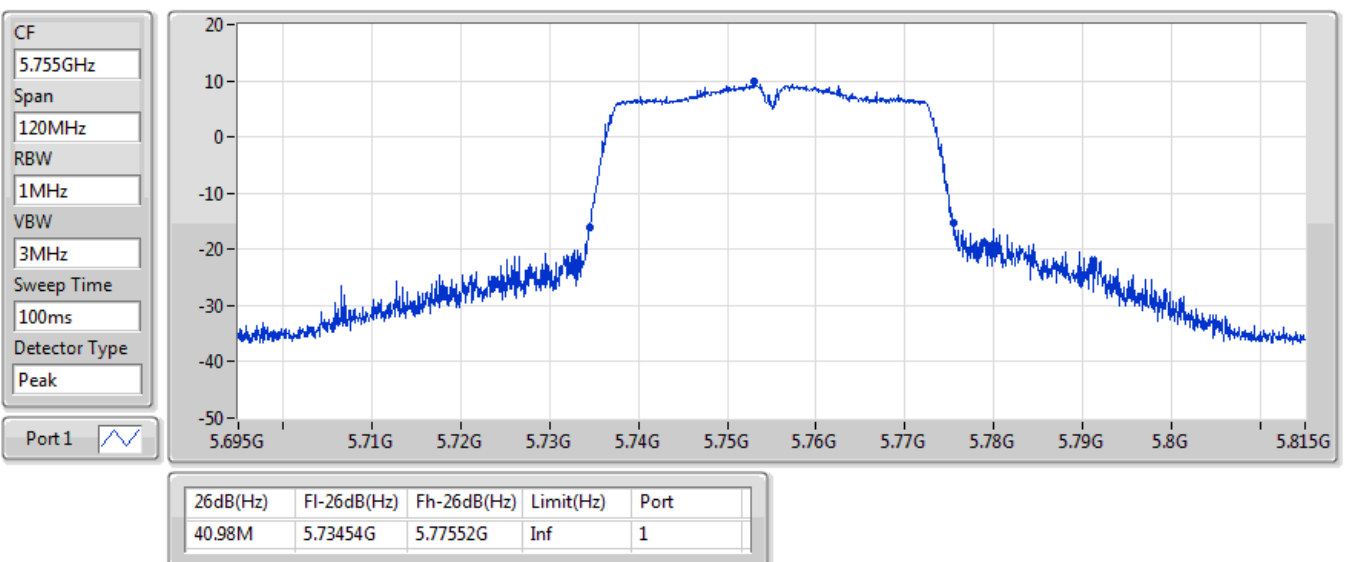
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

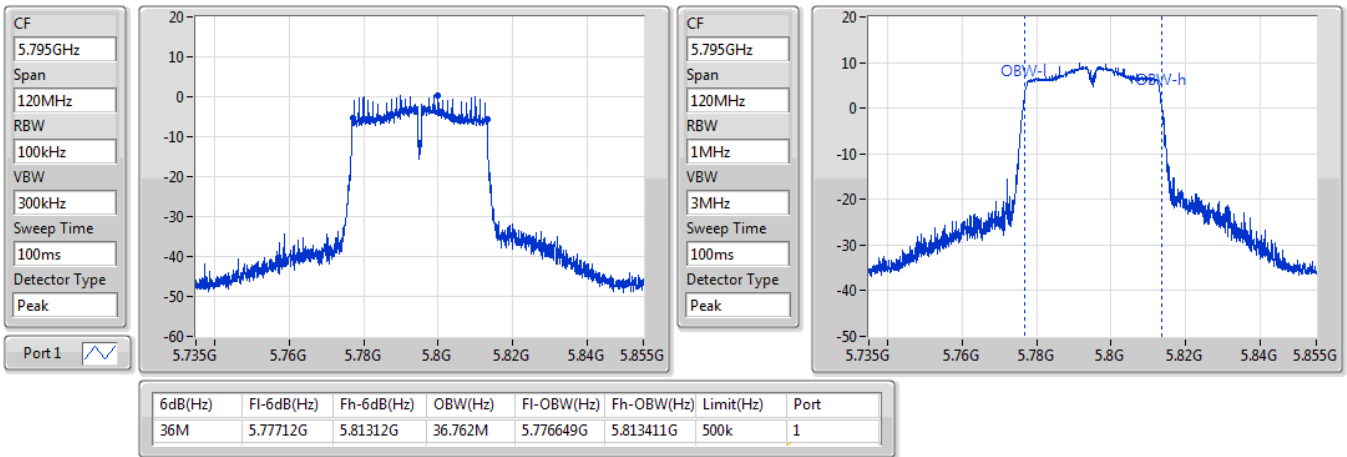
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

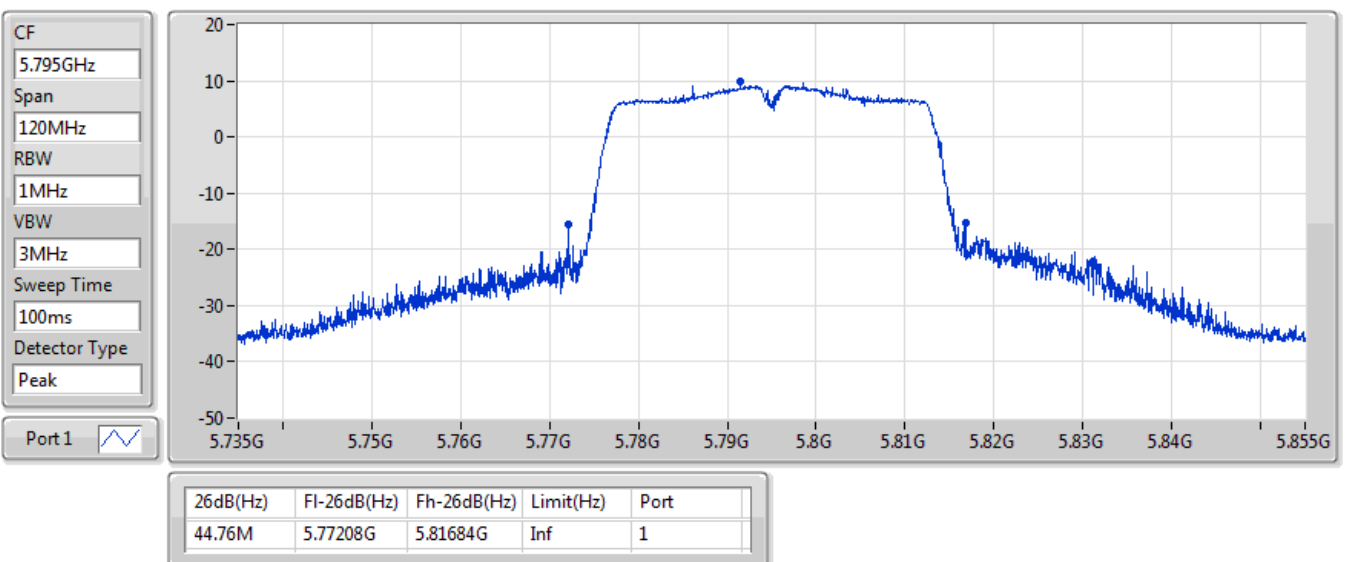
5795MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

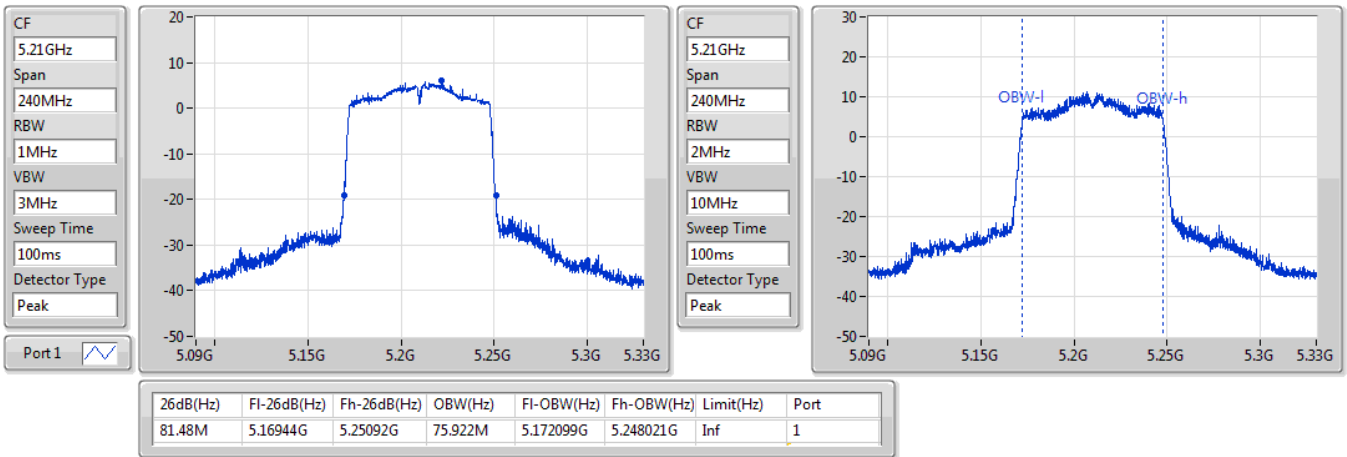
5795MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

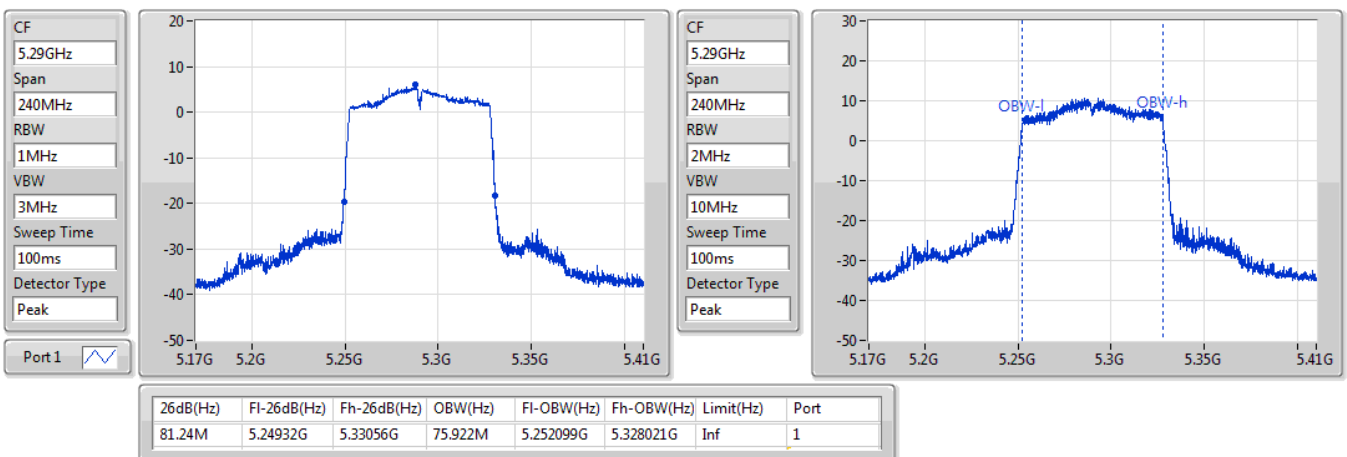
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

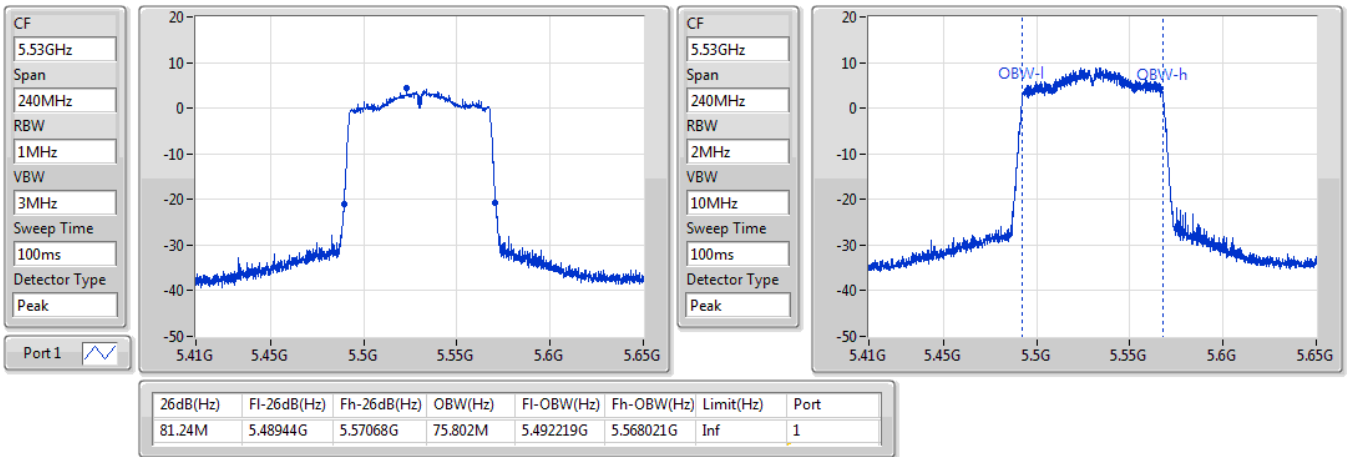
5290MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

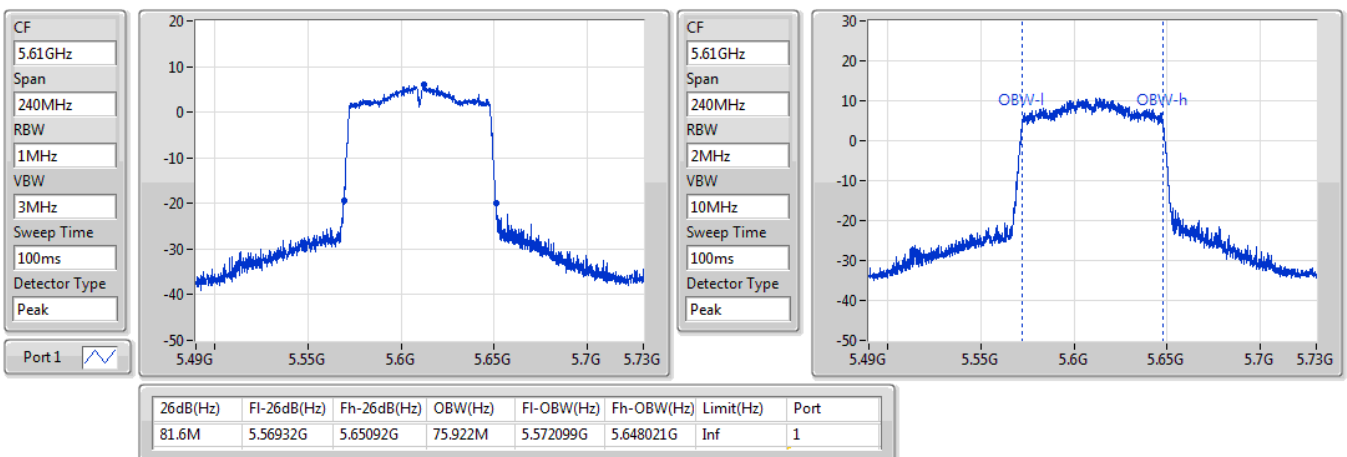
5530MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

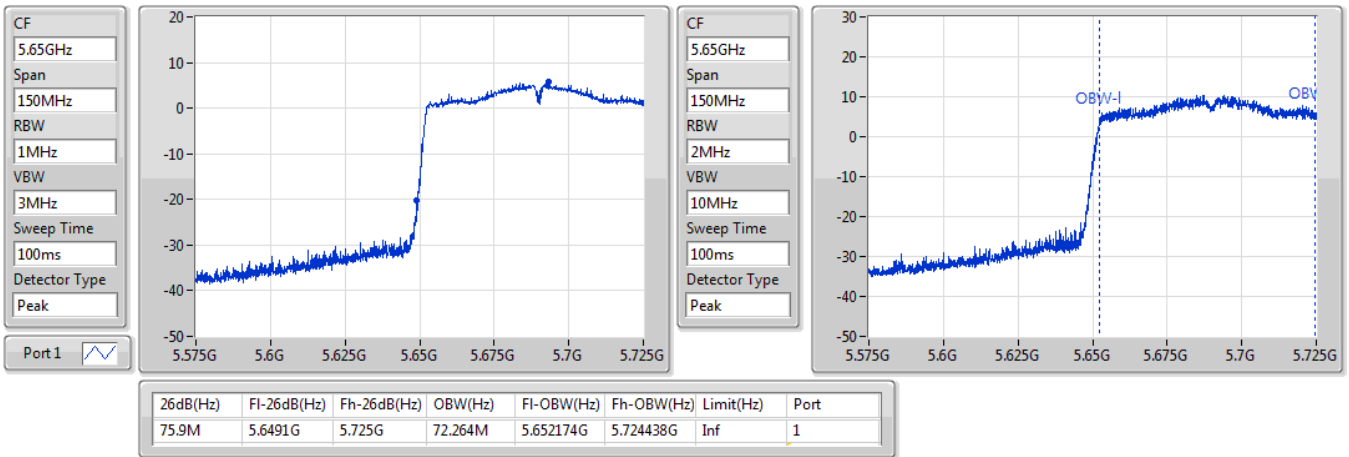
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

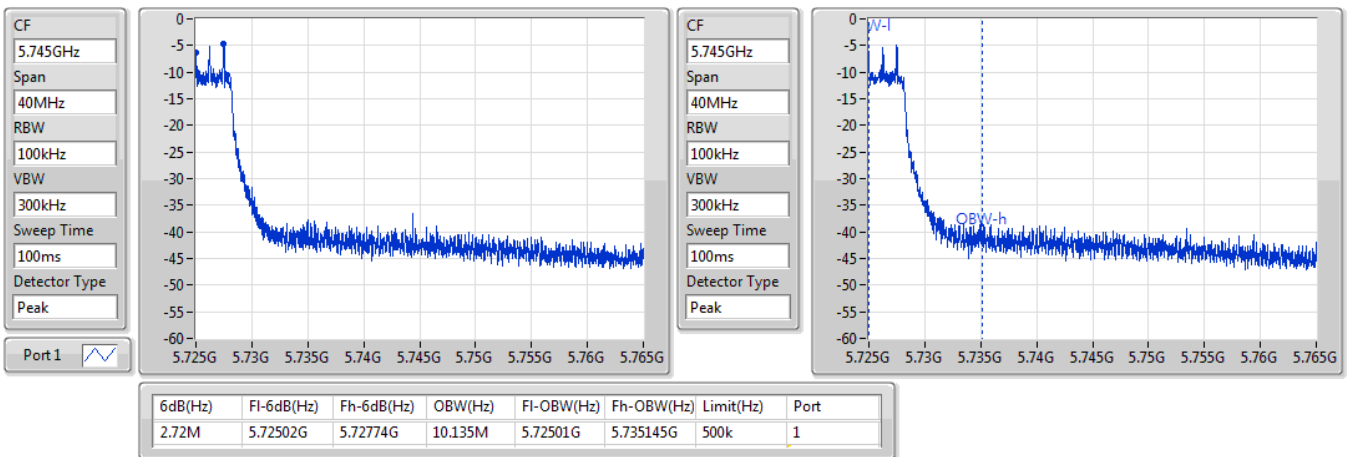
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

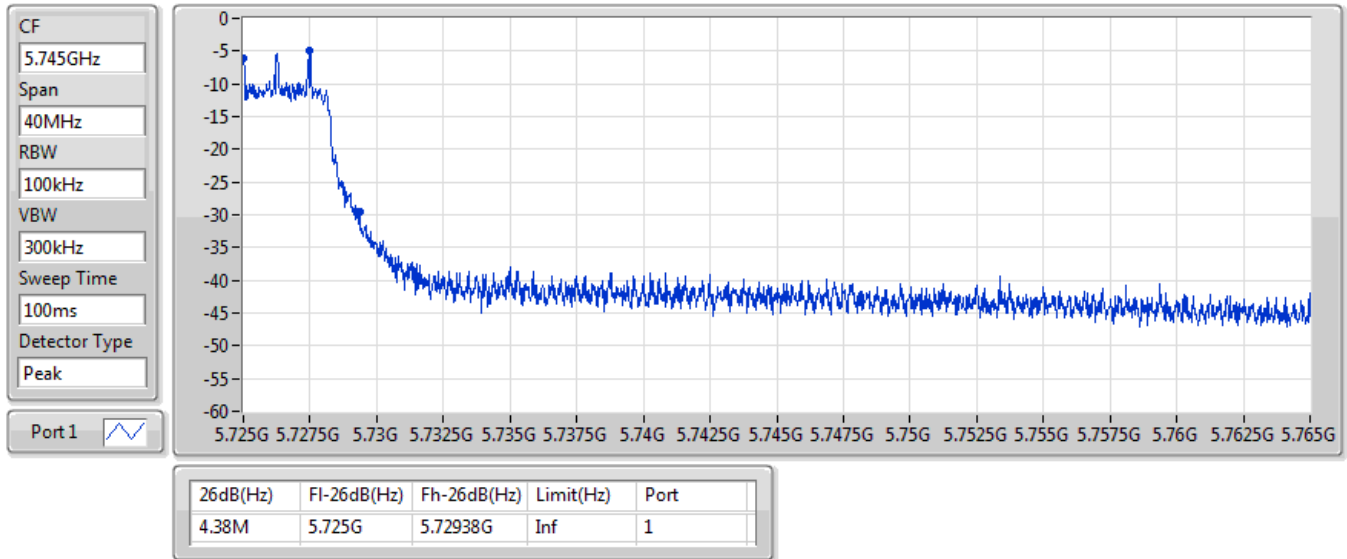
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

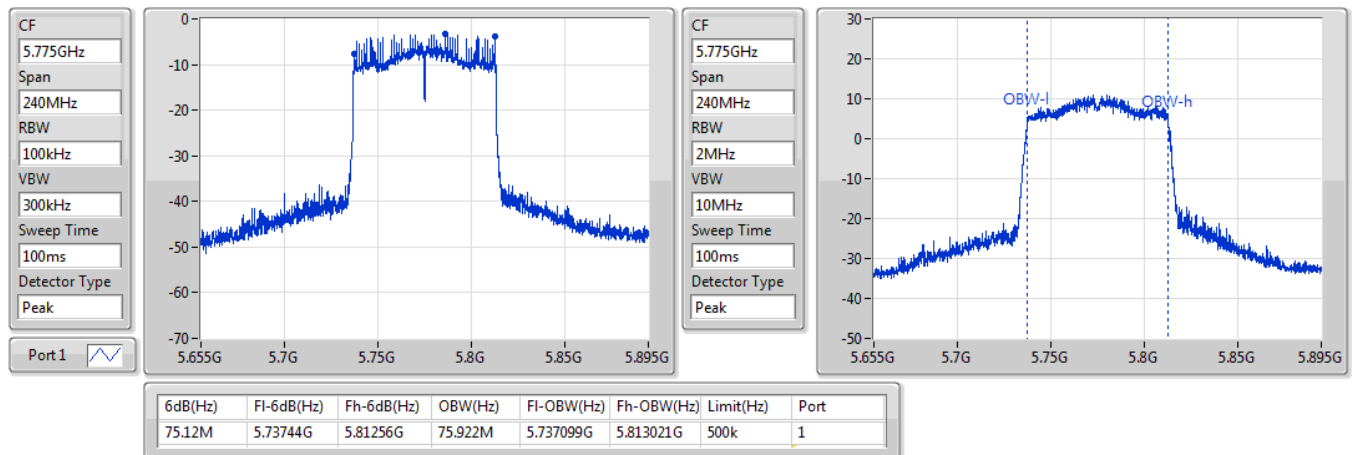
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

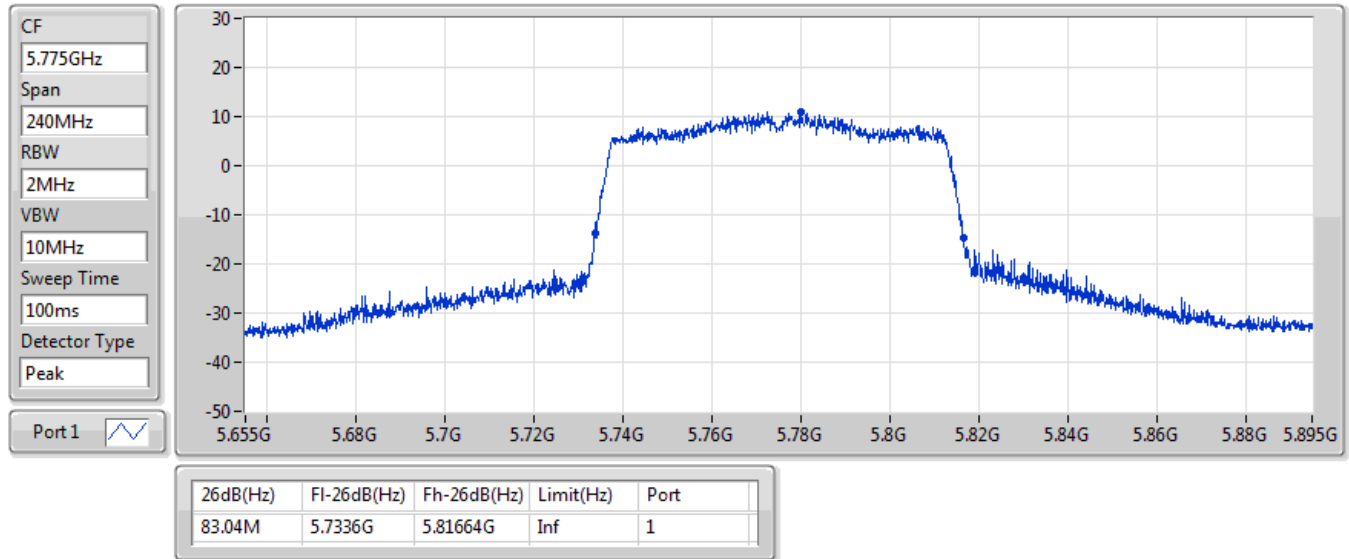
5775MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5775MHz



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.48	0.02805	17.18	0.05224
802.11n HT20_Nss1,(MCS0)_1TX	14.35	0.02723	17.05	0.05070
802.11ac VHT40_Nss1,(MCS0)_1TX	14.48	0.02805	17.18	0.05224
802.11ac VHT80_Nss1,(MCS0)_1TX	13.07	0.02028	15.77	0.03776
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.24	0.02655	16.94	0.04943
802.11n HT20_Nss1,(MCS0)_1TX	14.31	0.02698	17.01	0.05023
802.11ac VHT40_Nss1,(MCS0)_1TX	14.48	0.02805	17.18	0.05224
802.11ac VHT80_Nss1,(MCS0)_1TX	13.44	0.02208	16.14	0.04111
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.41	0.02761	15.21	0.03319
802.11n HT20_Nss1,(MCS0)_1TX	14.43	0.02773	15.23	0.03334
802.11ac VHT40_Nss1,(MCS0)_1TX	14.48	0.02805	15.28	0.03373
802.11ac VHT80_Nss1,(MCS0)_1TX	13.28	0.02128	14.08	0.02559
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.49	0.02812	14.69	0.02944
802.11n HT20_Nss1,(MCS0)_1TX	14.48	0.02805	14.68	0.02938
802.11ac VHT40_Nss1,(MCS0)_1TX	14.43	0.02773	14.63	0.02904
802.11ac VHT80_Nss1,(MCS0)_1TX	13.45	0.02213	13.65	0.02317

**Conducted Output Power(Average)****Appendix B****Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.70	14.46	14.46	24.00	17.16	30.00
5200MHz	Pass	2.70	14.48	14.48	24.00	17.18	30.00
5240MHz	Pass	2.70	14.37	14.37	24.00	17.07	30.00
5260MHz	Pass	2.70	14.24	14.24	24.00	16.94	30.00
5300MHz	Pass	2.70	14.20	14.20	24.00	16.90	30.00
5320MHz	Pass	2.70	14.21	14.21	24.00	16.91	30.00
5500MHz	Pass	0.80	14.39	14.39	24.00	15.19	30.00
5580MHz	Pass	0.80	14.41	14.41	24.00	15.21	30.00
5700MHz	Pass	0.80	14.27	14.27	24.00	15.07	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	0.80	14.18	14.18	22.94	14.98	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	0.20	7.12	7.12	30.00	7.32	36.00
5745MHz	Pass	0.20	14.24	14.24	30.00	14.44	36.00
5785MHz	Pass	0.20	14.22	14.22	30.00	14.42	36.00
5825MHz	Pass	0.20	14.49	14.49	30.00	14.69	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.70	14.31	14.31	24.00	17.01	30.00
5200MHz	Pass	2.70	14.35	14.35	24.00	17.05	30.00
5240MHz	Pass	2.70	14.31	14.31	24.00	17.01	30.00
5260MHz	Pass	2.70	14.18	14.18	24.00	16.88	30.00
5300MHz	Pass	2.70	14.28	14.28	24.00	16.98	30.00
5320MHz	Pass	2.70	14.31	14.31	24.00	17.01	30.00
5500MHz	Pass	0.80	14.43	14.43	24.00	15.23	30.00
5580MHz	Pass	0.80	14.35	14.35	24.00	15.15	30.00
5700MHz	Pass	0.80	13.83	13.83	24.00	14.63	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	0.80	13.96	13.96	22.99	14.76	28.99
5720MHz Straddle 5.725-5.85GHz	Pass	0.20	7.15	7.15	30.00	7.35	36.00
5745MHz	Pass	0.20	14.4	14.40	30.00	14.60	36.00
5785MHz	Pass	0.20	14.2	14.20	30.00	14.40	36.00
5825MHz	Pass	0.20	14.48	14.48	30.00	14.68	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	2.70	14.48	14.48	24.00	17.18	30.00
5230MHz	Pass	2.70	14.47	14.47	24.00	17.17	30.00
5270MHz	Pass	2.70	14.48	14.48	24.00	17.18	30.00
5310MHz	Pass	2.70	14.47	14.47	24.00	17.17	30.00
5510MHz	Pass	0.80	12.9	12.90	24.00	13.70	30.00
5590MHz	Pass	0.80	14.48	14.48	24.00	15.28	30.00
5670MHz	Pass	0.80	14.31	14.31	24.00	15.11	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	0.80	14.43	14.43	24.00	15.23	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	0.20	3.13	3.13	30.00	3.33	36.00
5755MHz	Pass	0.20	14.43	14.43	30.00	14.63	36.00
5795MHz	Pass	0.20	14.42	14.42	30.00	14.62	36.00

**Conducted Output Power(Average)****Appendix B**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	2.70	13.07	13.07	24.00	15.77	30.00
5290MHz	Pass	2.70	13.44	13.44	24.00	16.14	30.00
5530MHz	Pass	0.80	11.61	11.61	24.00	12.41	30.00
5610MHz	Pass	0.80	13.28	13.28	24.00	14.08	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	0.80	13.02	13.02	24.00	13.82	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	0.20	-2.03	-2.03	30.00	-1.83	36.00
5775MHz	Pass	0.20	13.45	13.45	30.00	13.65	36.00

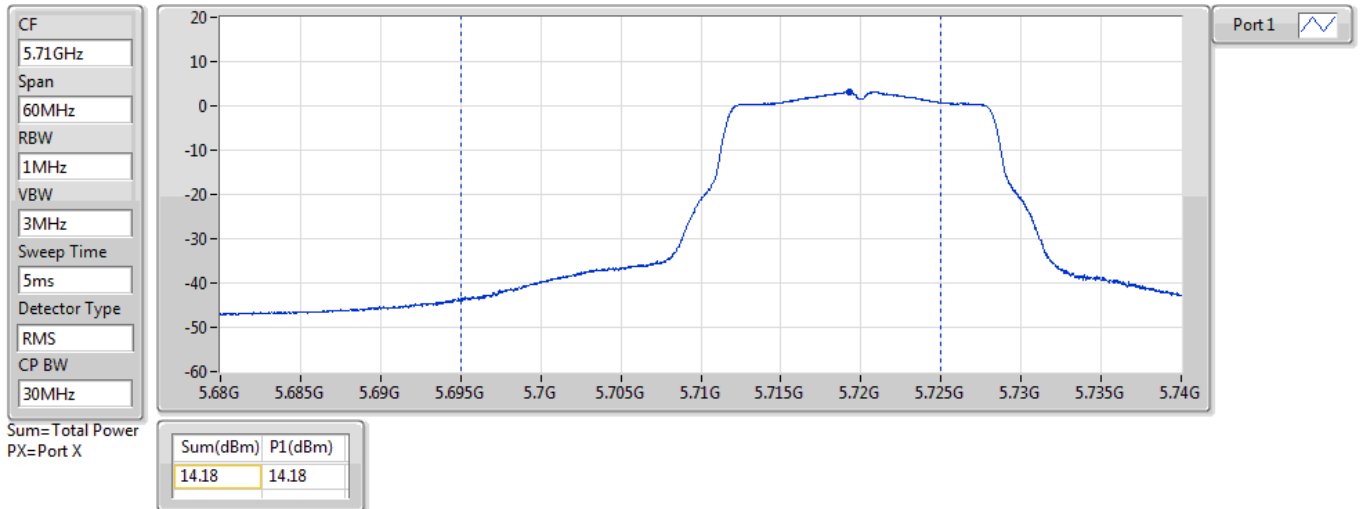
DG = Directional Gain; Port X = Port X output power



802.11a_Nss1,(6Mbps)_1TX

AV Power

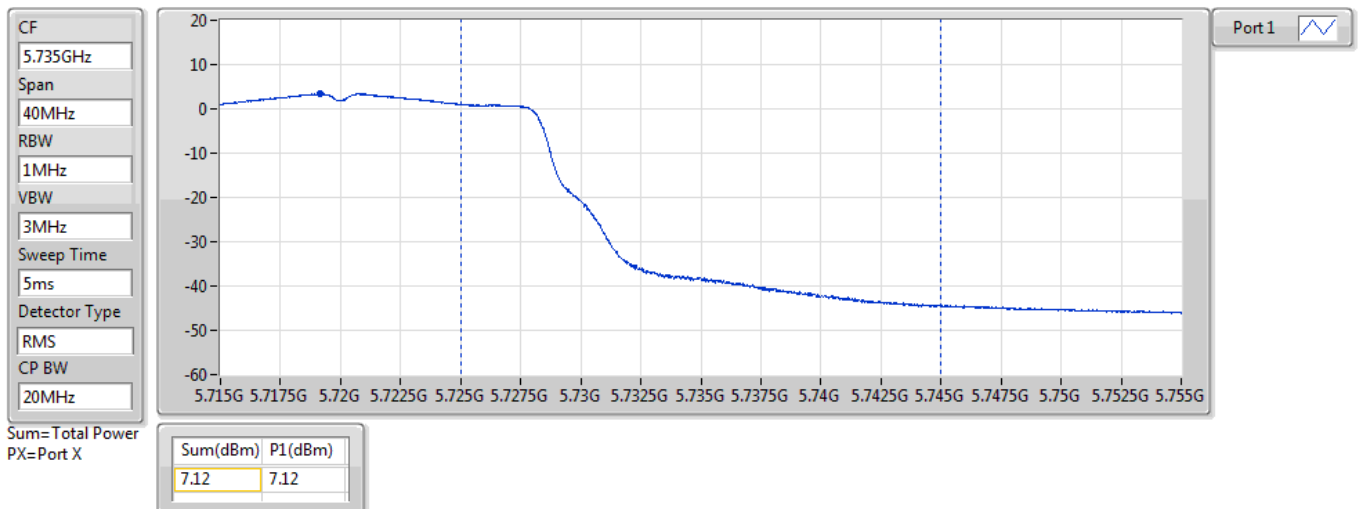
5720MHz Straddle 5.47-5.725GHz_TX



802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

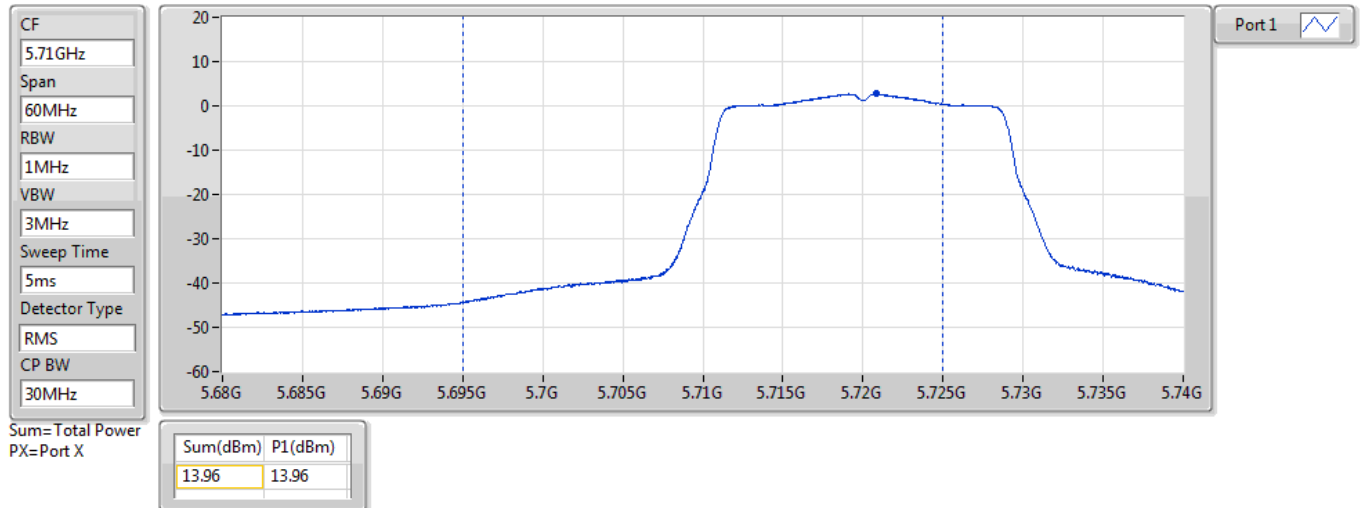




802.11n HT20_Nss1,(MCS0)_1TX

AV Power

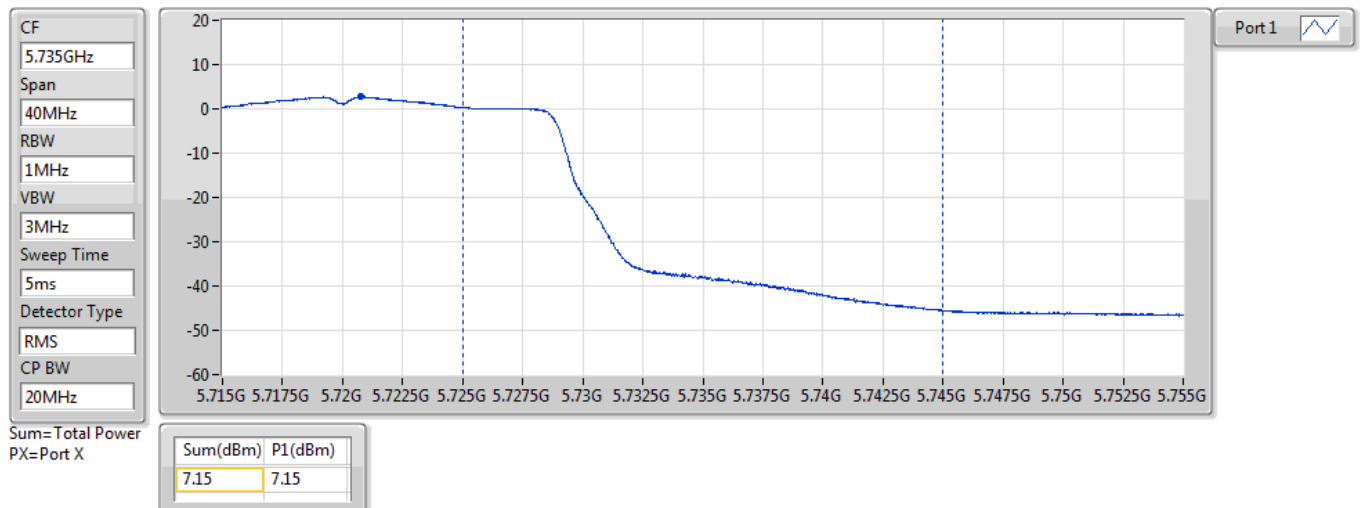
5720MHz Straddle 5.47-5.725GHz_TX



802.11n HT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

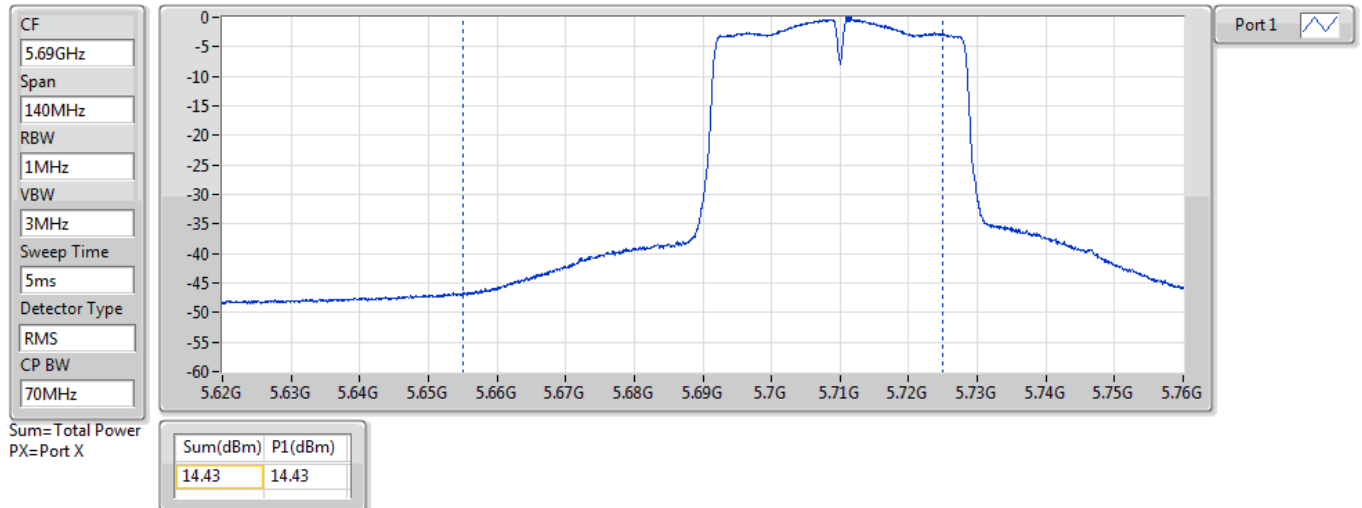




802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

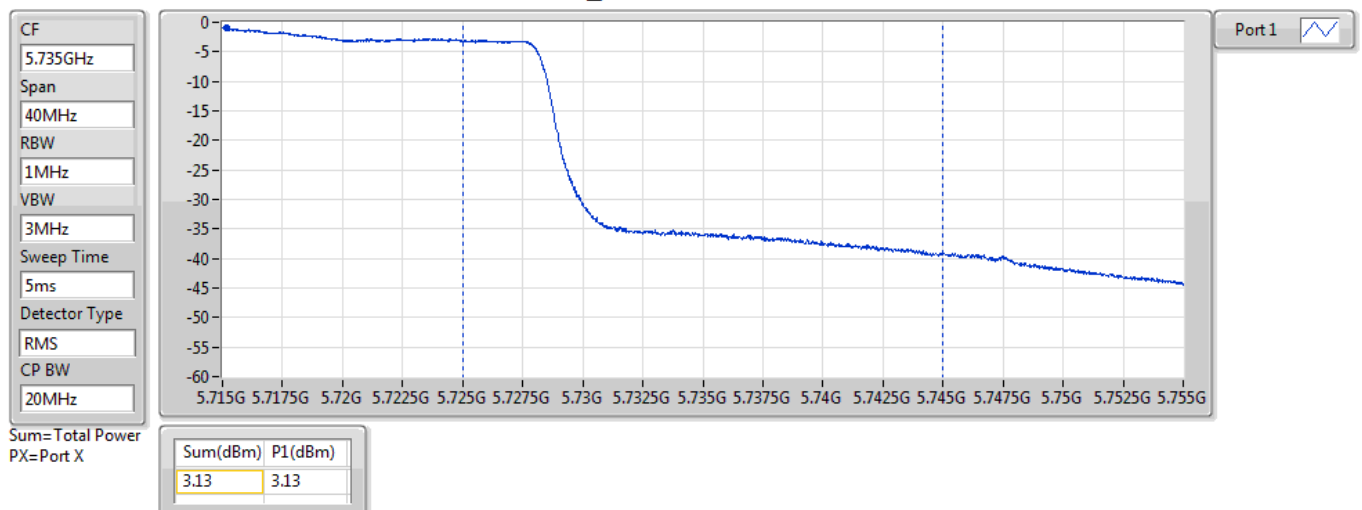
5710MHz Straddle 5.47-5.725GHz_TX



802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

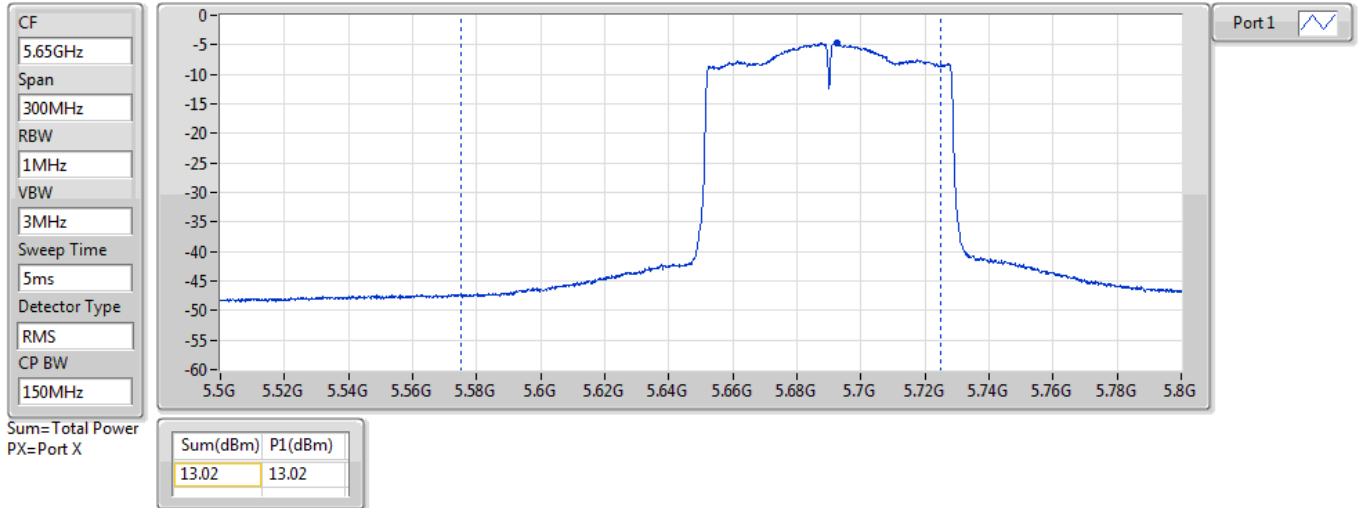




802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

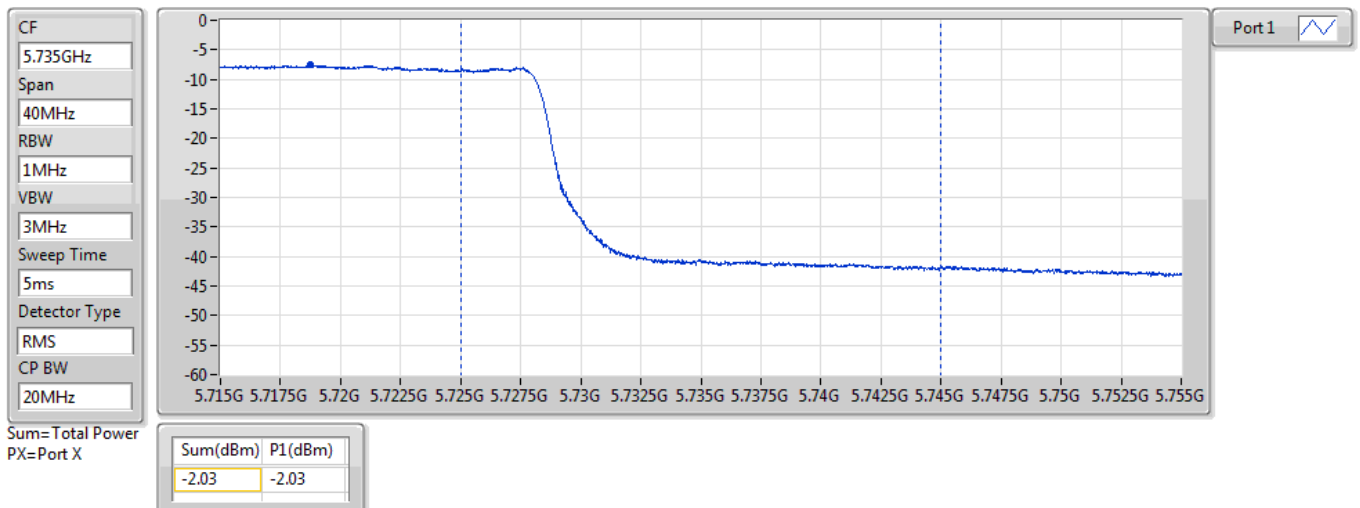
5690MHz Straddle 5.47-5.725GHz_TX



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.13	5.83
802.11n HT20_Nss1,(MCS0)_1TX	2.71	5.41
802.11ac VHT40_Nss1,(MCS0)_1TX	0.09	2.79
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.13	-1.43
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	2.92	5.62
802.11n HT20_Nss1,(MCS0)_1TX	2.88	5.58
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.29	2.41
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.32	-1.62
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.43	4.23
802.11n HT20_Nss1,(MCS0)_1TX	2.91	3.71
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.12	0.68
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.50	-3.70
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	1.37	1.57
802.11n HT20_Nss1,(MCS0)_1TX	1.29	1.49
802.11ac VHT40_Nss1,(MCS0)_1TX	-1.83	-1.63
802.11ac VHT80_Nss1,(MCS0)_1TX	-5.60	-5.40

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)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.70	3.11	3.11	11.00	5.81	17.00
5200MHz	Pass	2.70	3.13	3.13	11.00	5.83	17.00
5240MHz	Pass	2.70	3.08	3.08	11.00	5.78	17.00
5260MHz	Pass	2.70	2.81	2.81	11.00	5.51	17.00
5300MHz	Pass	2.70	2.92	2.92	11.00	5.62	17.00
5320MHz	Pass	2.70	2.87	2.87	11.00	5.57	17.00
5500MHz	Pass	0.80	3.03	3.03	11.00	3.83	17.00
5580MHz	Pass	0.80	3.00	3.00	11.00	3.80	17.00
5700MHz	Pass	0.80	2.68	2.68	11.00	3.48	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	0.80	3.43	3.43	11.00	4.23	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	0.20	-0.49	-0.49	30.00	-0.29	36.00
5745MHz	Pass	0.20	1.37	1.37	30.00	1.57	36.00
5785MHz	Pass	0.20	1.12	1.12	30.00	1.32	36.00
5825MHz	Pass	0.20	1.35	1.35	30.00	1.55	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.70	2.71	2.71	11.00	5.41	17.00
5200MHz	Pass	2.70	2.43	2.43	11.00	5.13	17.00
5240MHz	Pass	2.70	2.41	2.41	11.00	5.11	17.00
5260MHz	Pass	2.70	2.70	2.70	11.00	5.40	17.00
5300MHz	Pass	2.70	2.88	2.88	11.00	5.58	17.00
5320MHz	Pass	2.70	2.77	2.77	11.00	5.47	17.00
5500MHz	Pass	0.80	2.91	2.91	11.00	3.71	17.00
5580MHz	Pass	0.80	2.87	2.87	11.00	3.67	17.00
5700MHz	Pass	0.80	1.99	1.99	11.00	2.79	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	0.80	2.80	2.80	11.00	3.60	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	0.20	-1.00	-1.00	30.00	-0.80	36.00
5745MHz	Pass	0.20	1.29	1.29	30.00	1.49	36.00
5785MHz	Pass	0.20	0.90	0.90	30.00	1.10	36.00
5825MHz	Pass	0.20	0.97	0.97	30.00	1.17	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	2.70	0.09	0.09	11.00	2.79	17.00
5230MHz	Pass	2.70	-0.02	-0.02	11.00	2.68	17.00
5270MHz	Pass	2.70	-0.33	-0.33	11.00	2.37	17.00
5310MHz	Pass	2.70	-0.29	-0.29	11.00	2.41	17.00
5510MHz	Pass	0.80	-1.79	-1.79	11.00	-0.99	17.00
5590MHz	Pass	0.80	-0.12	-0.12	11.00	0.68	17.00
5670MHz	Pass	0.80	-0.54	-0.54	11.00	0.26	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	0.80	-0.19	-0.19	11.00	0.61	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	0.20	-4.25	-4.25	30.00	-4.05	36.00
5755MHz	Pass	0.20	-1.83	-1.83	30.00	-1.63	36.00
5795MHz	Pass	0.20	-1.89	-1.89	30.00	-1.69	36.00



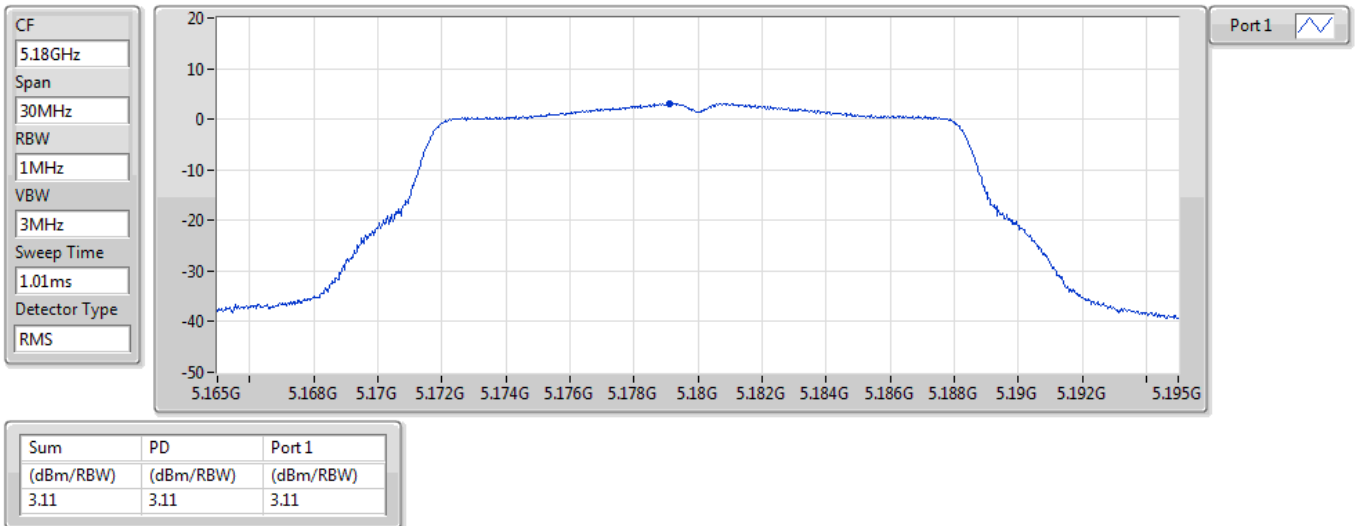
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	2.70	-4.13	-4.13	11.00	-1.43	17.00
5290MHz	Pass	2.70	-4.32	-4.32	11.00	-1.62	17.00
5530MHz	Pass	0.80	-5.95	-5.95	11.00	-5.15	17.00
5610MHz	Pass	0.80	-4.50	-4.50	11.00	-3.70	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	0.80	-4.61	-4.61	11.00	-3.81	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	0.20	-9.45	-9.45	30.00	-9.25	36.00
5775MHz	Pass	0.20	-5.60	-5.60	30.00	-5.40	36.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD =Power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_1TX

PSD

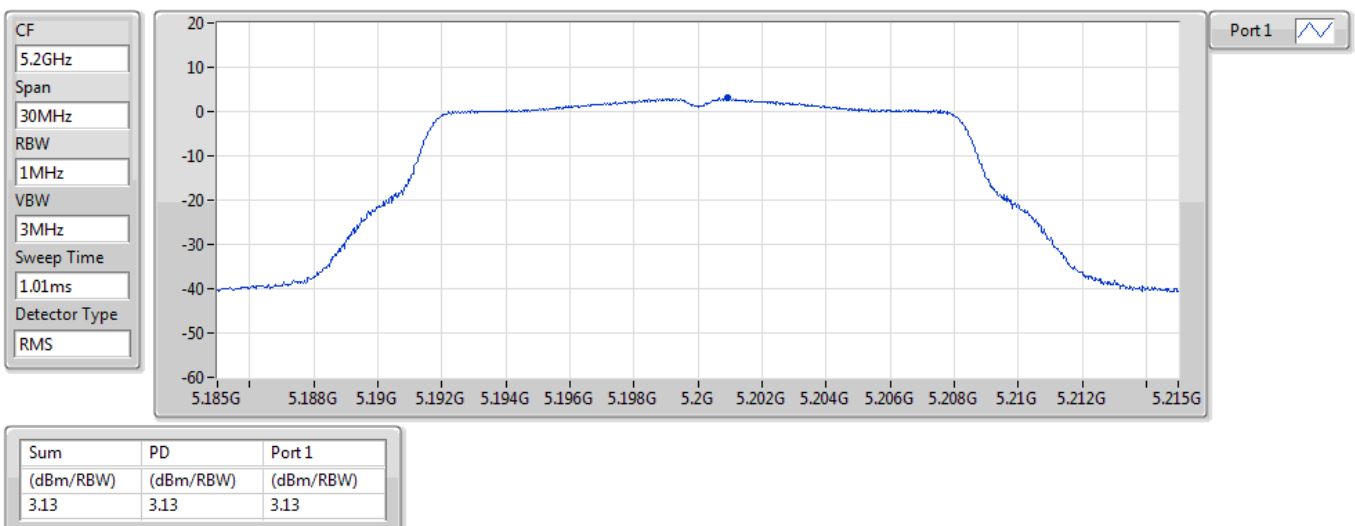
5180MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

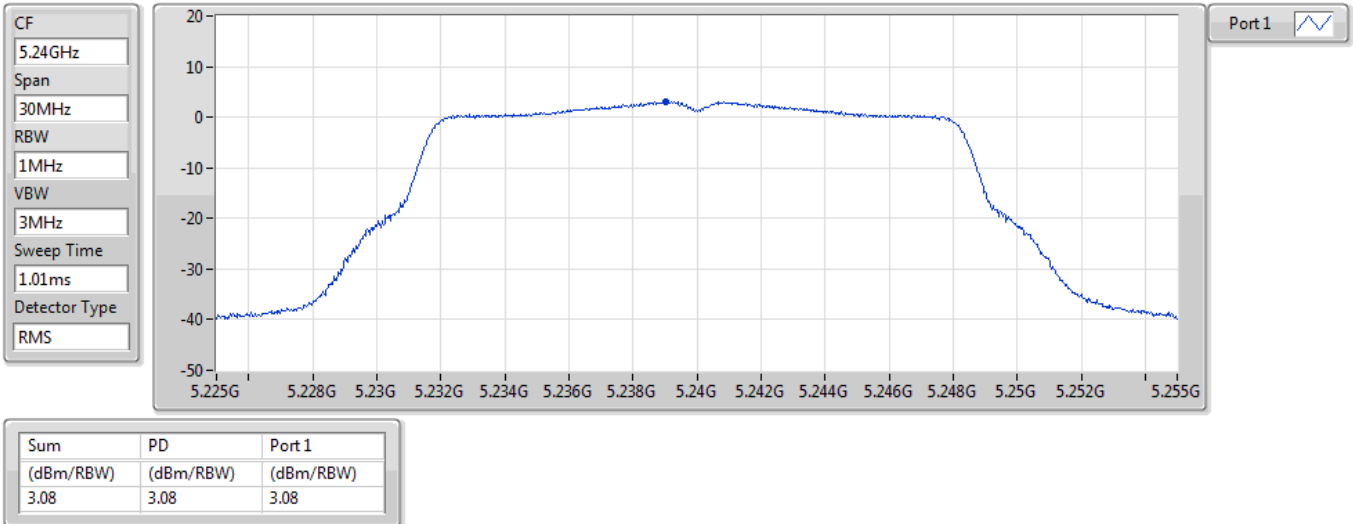
5200MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

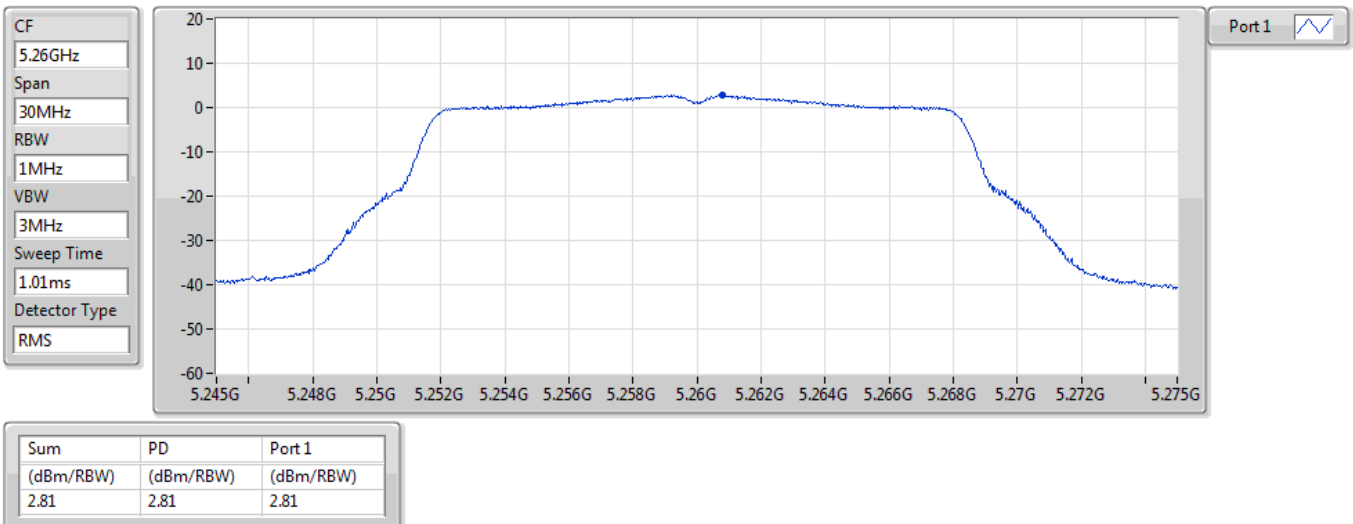
5240MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

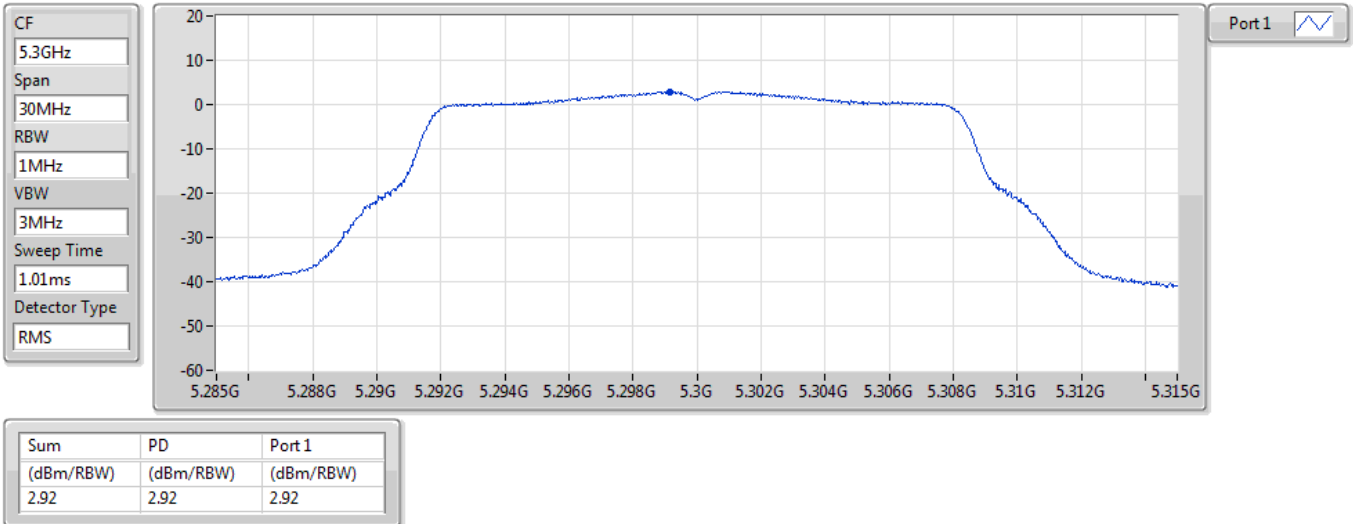
5260MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

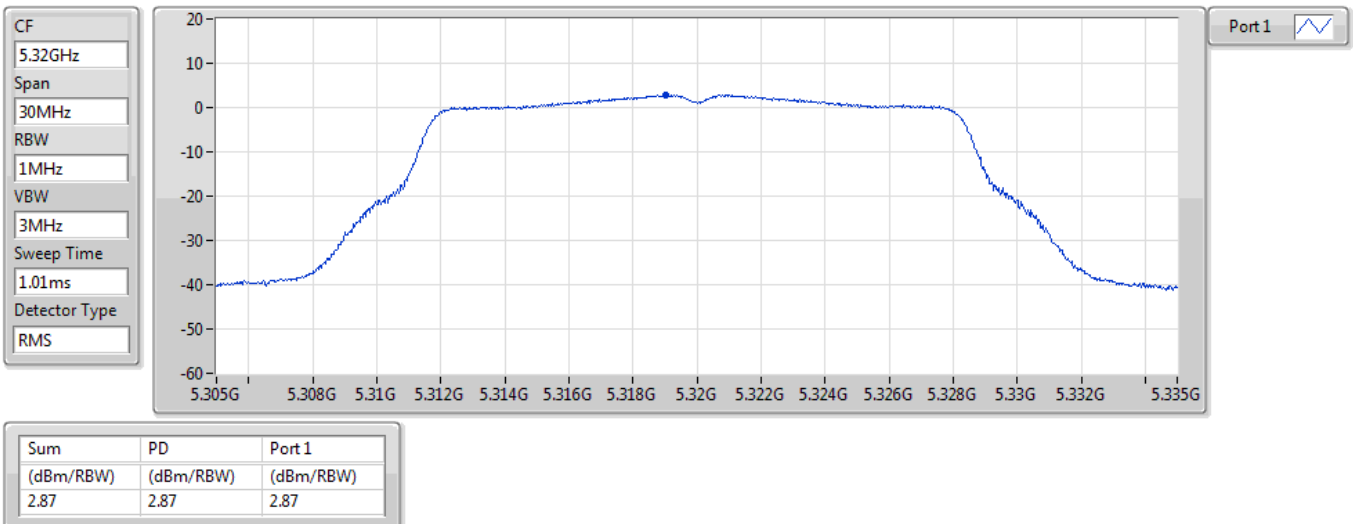
5300MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

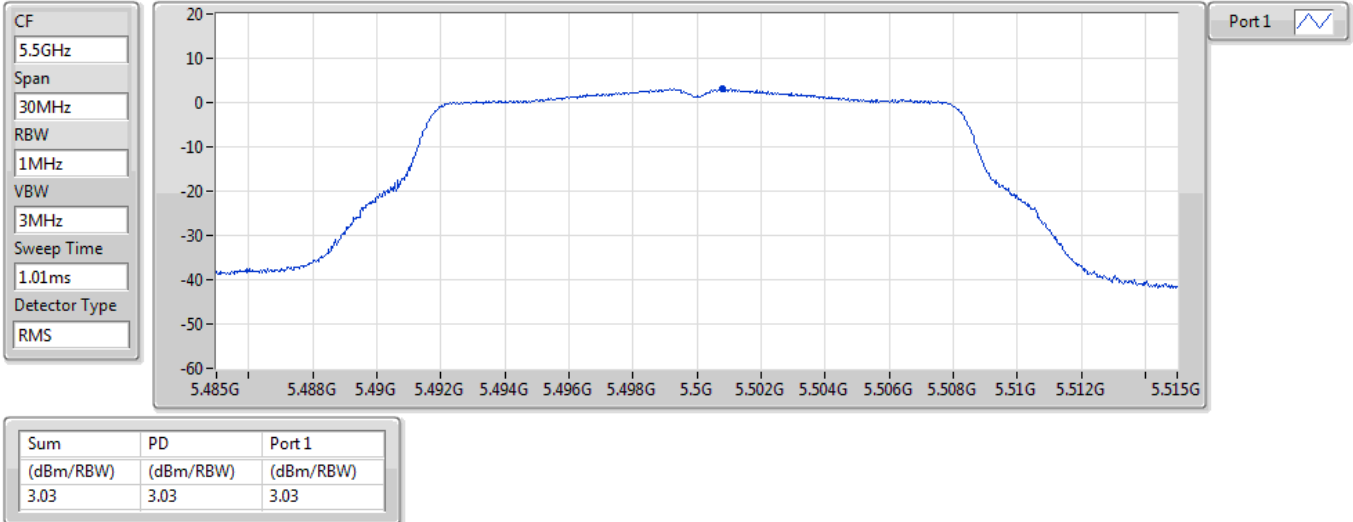
5320MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

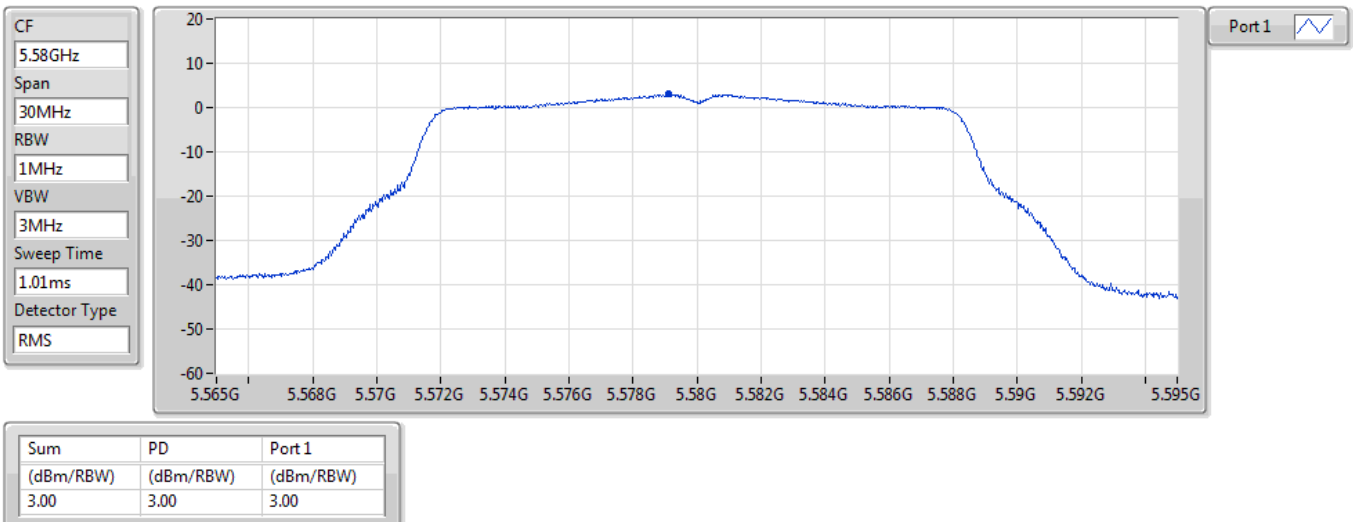
5500MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

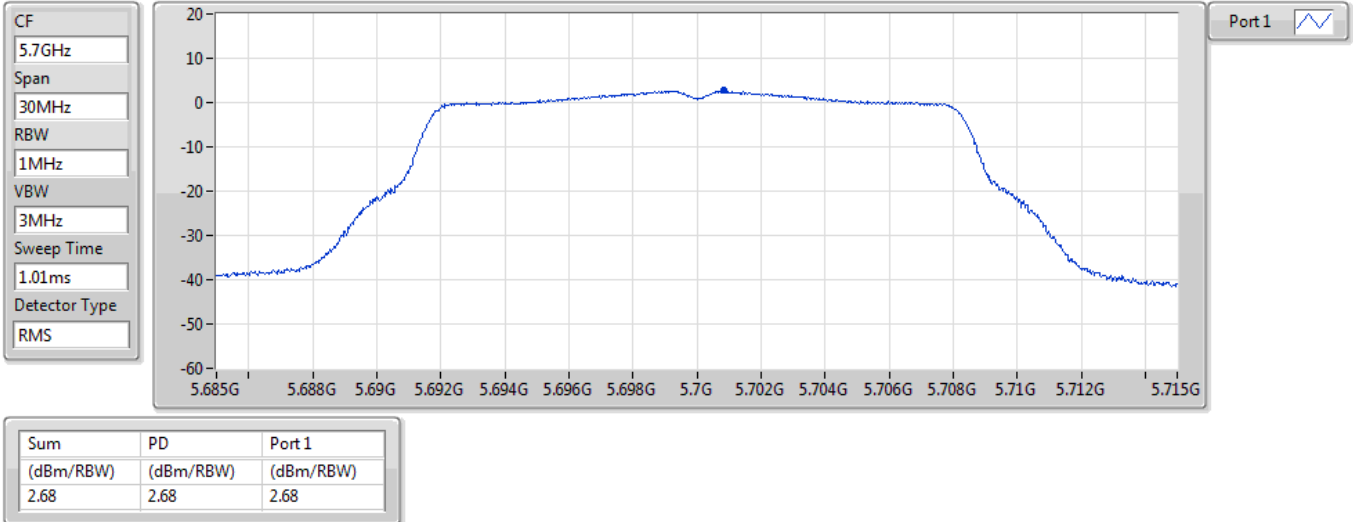
5580MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

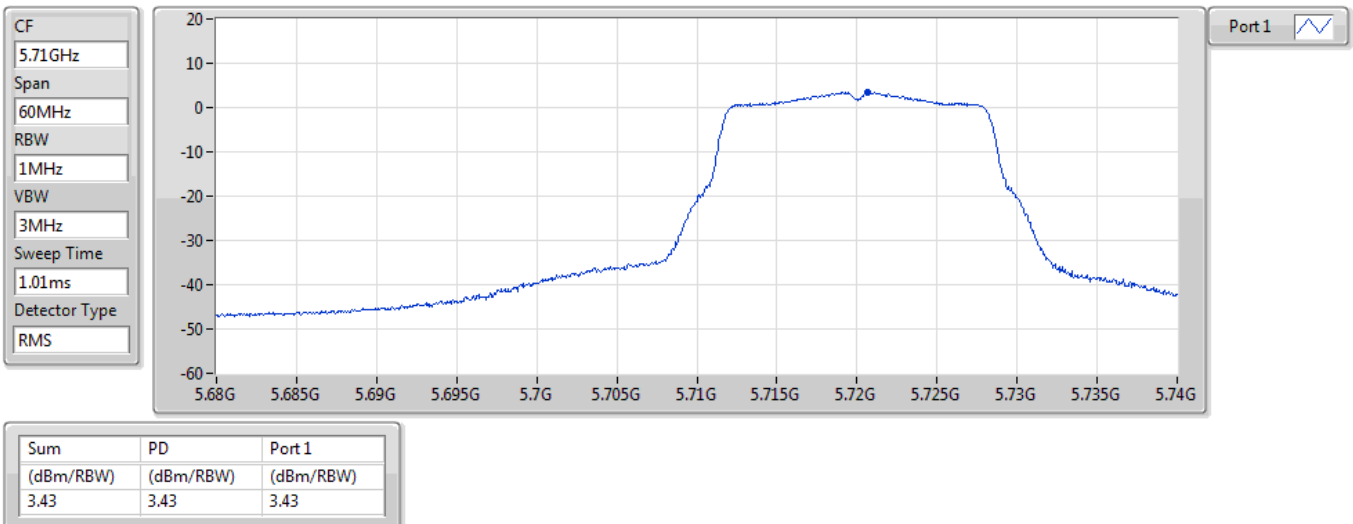
5700MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

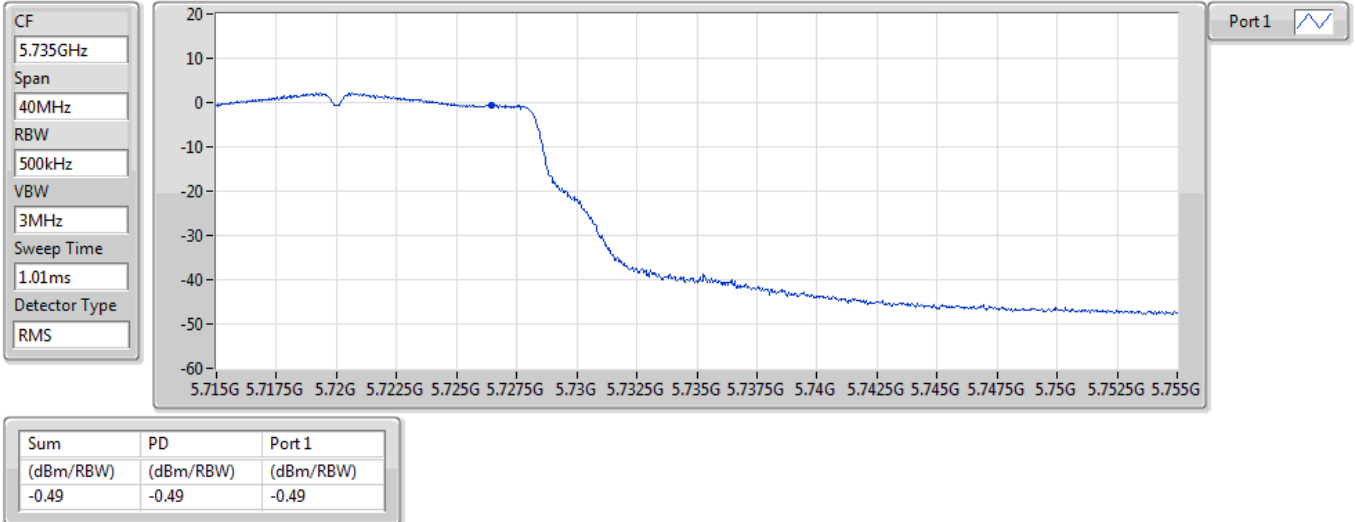
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

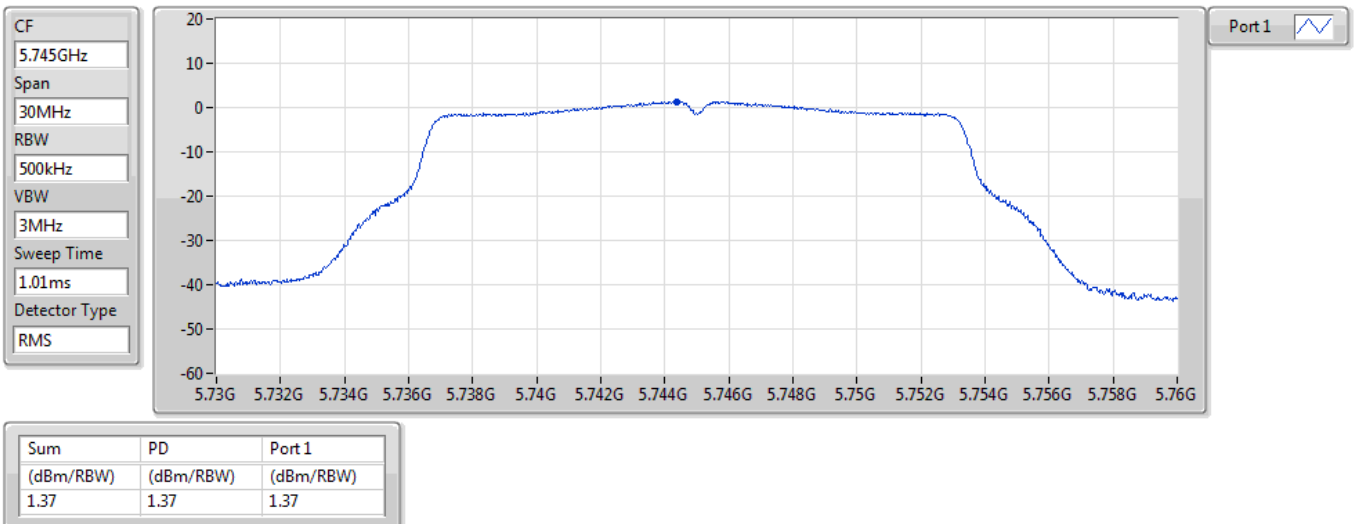
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

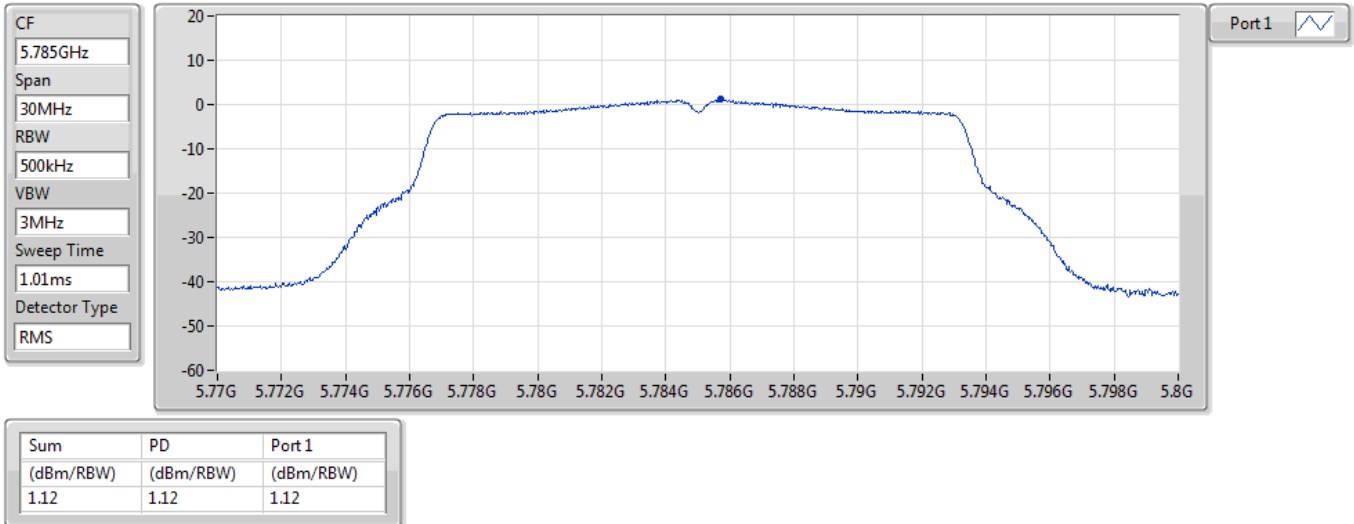
5745MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

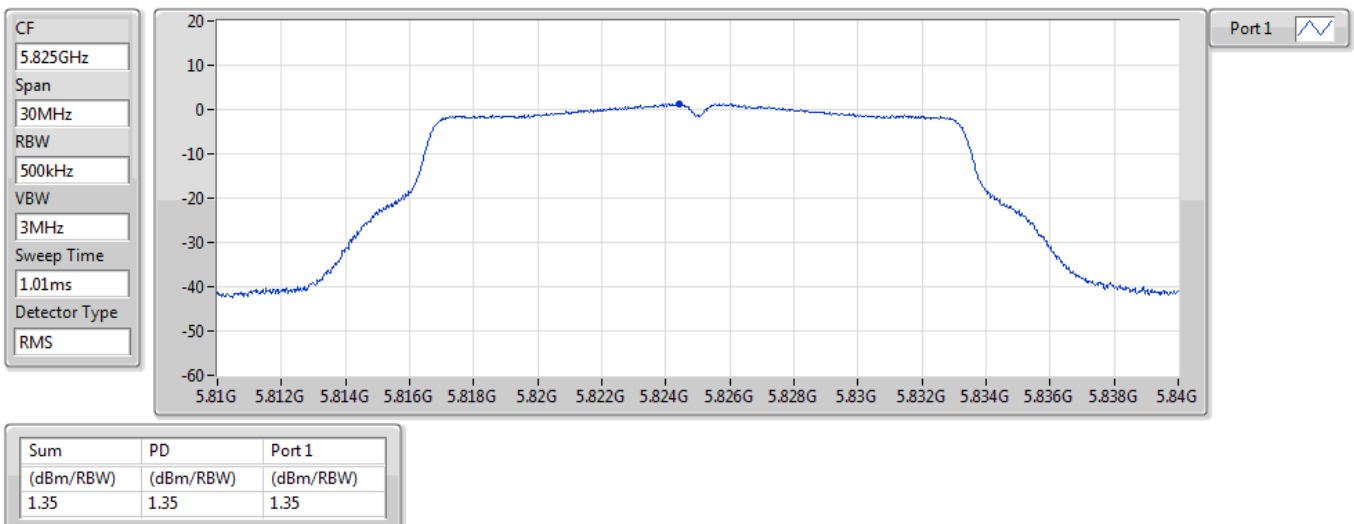
5785MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

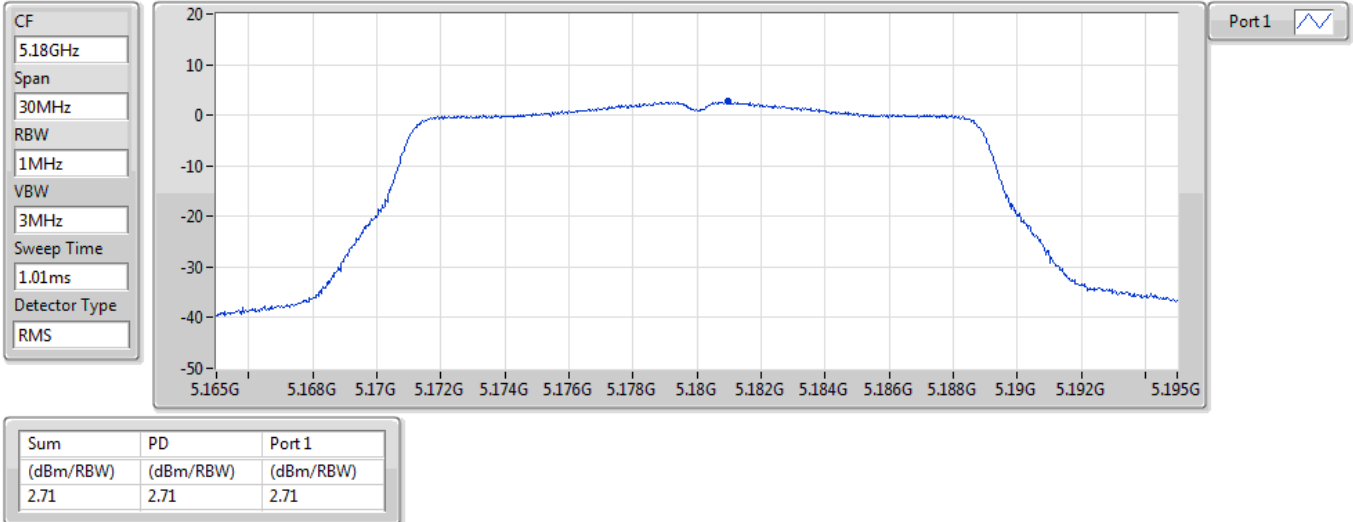
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

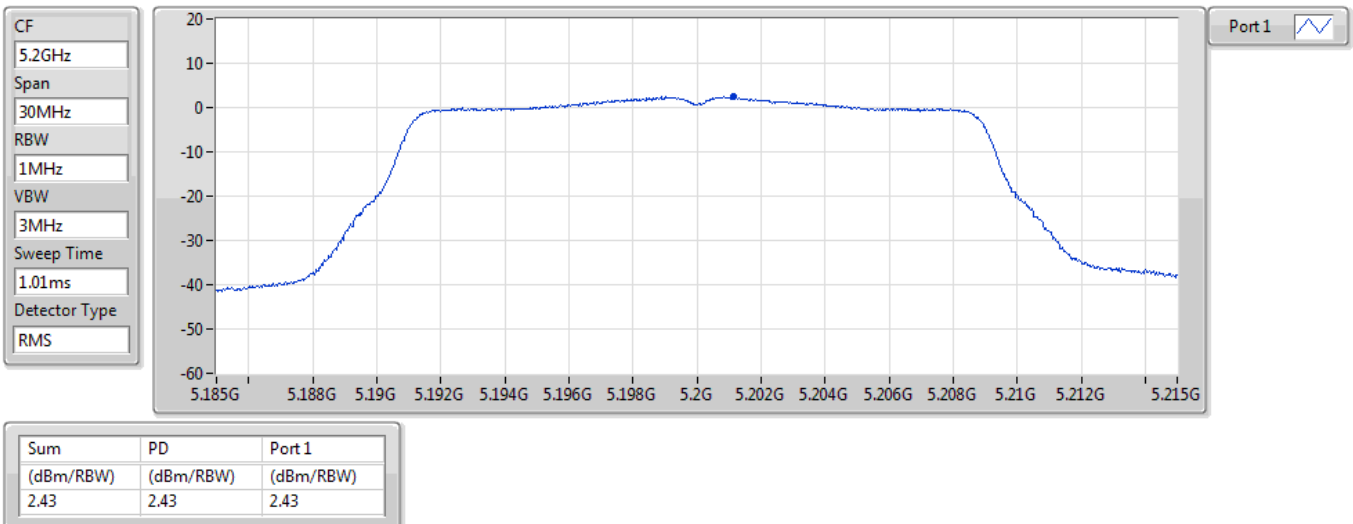
5180MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

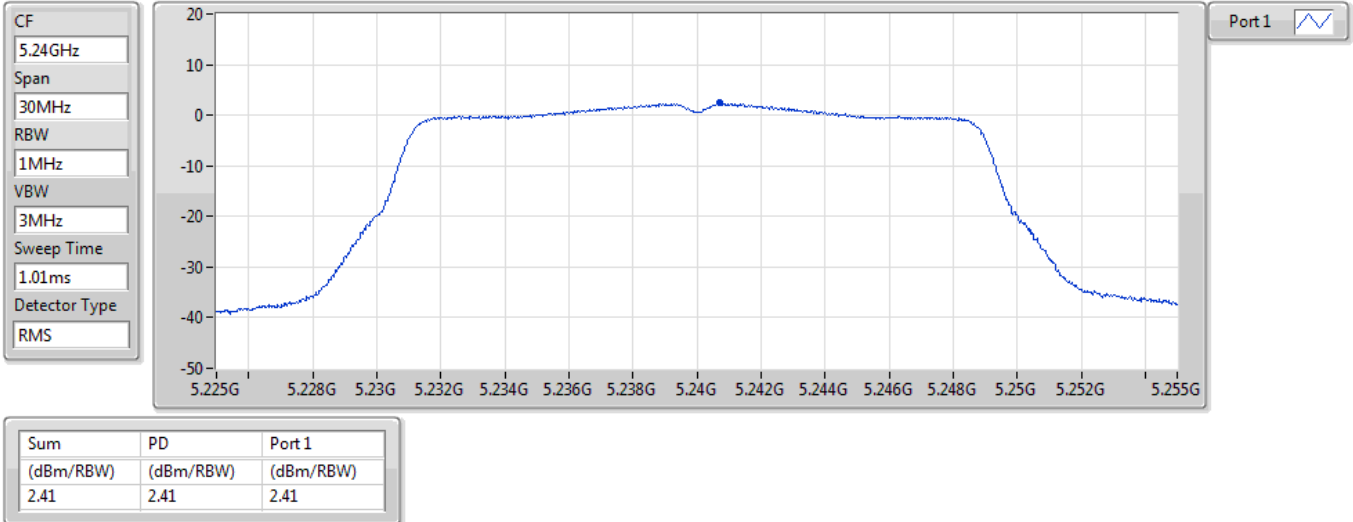
5200MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

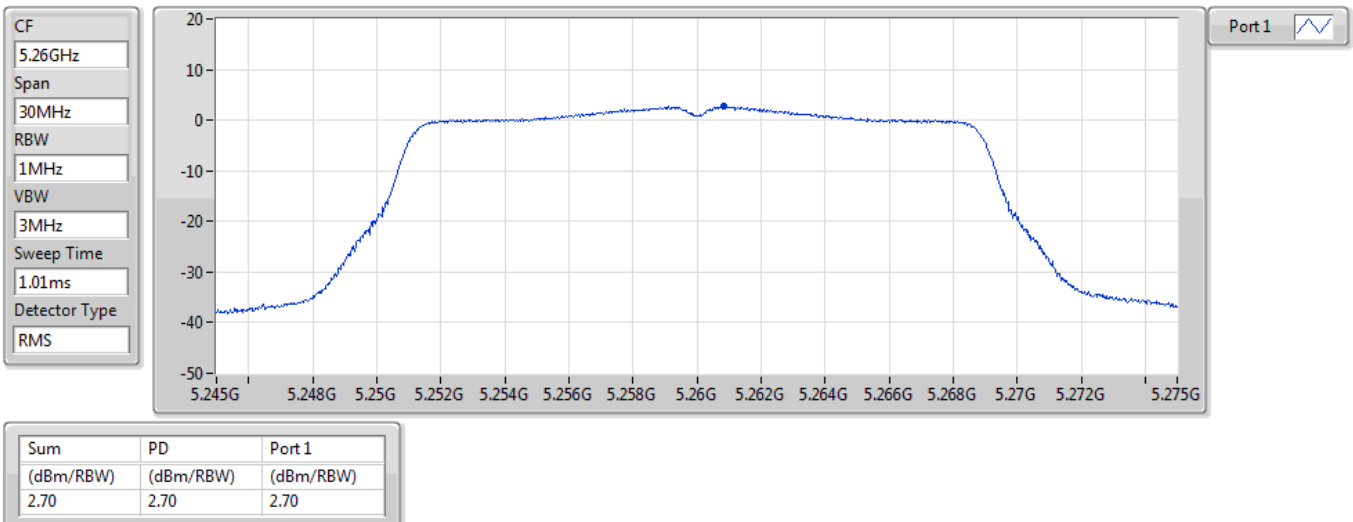
5240MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

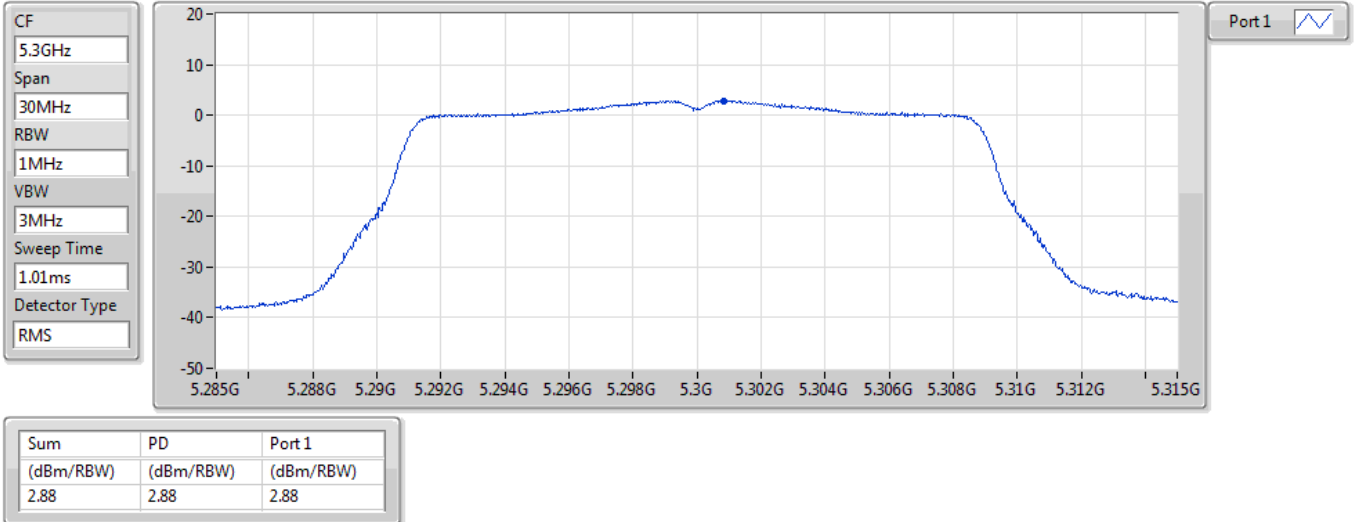
5260MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

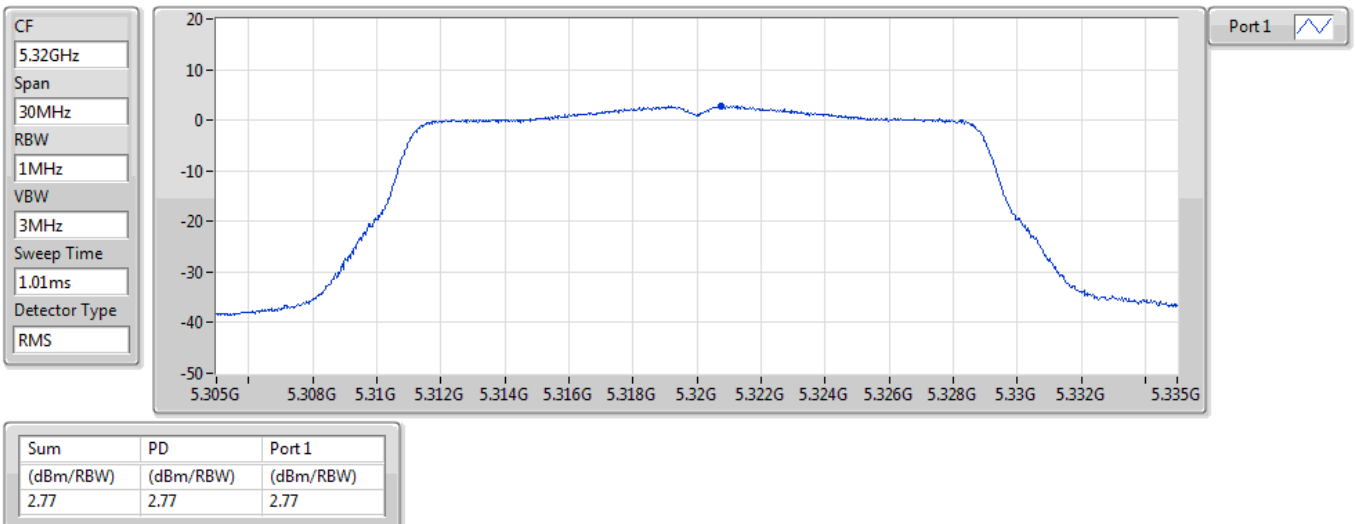
5300MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

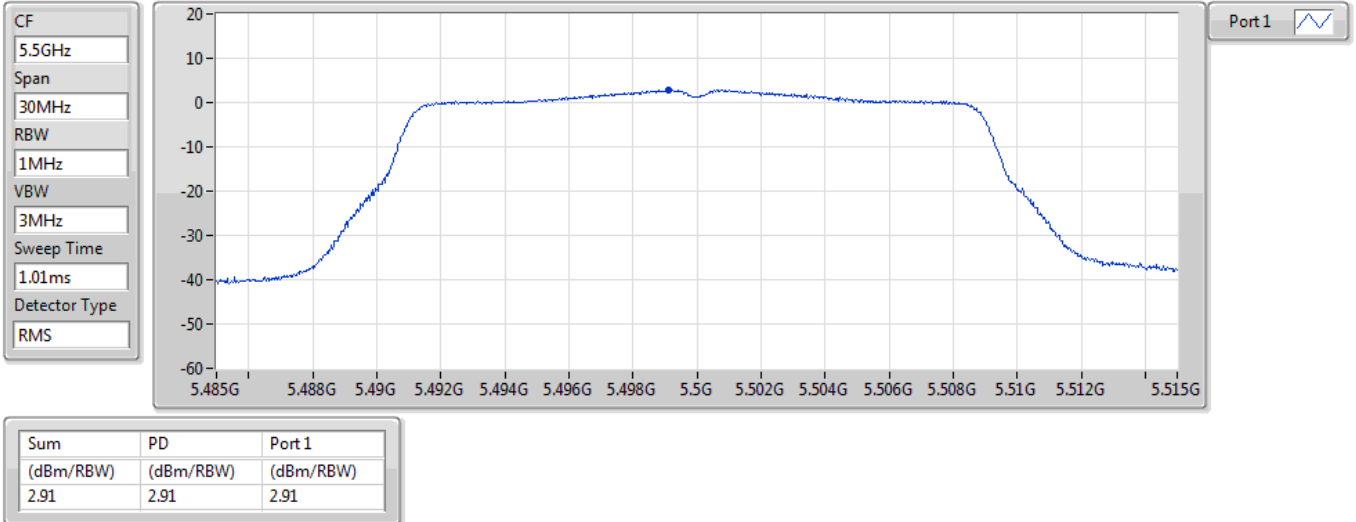
5320MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

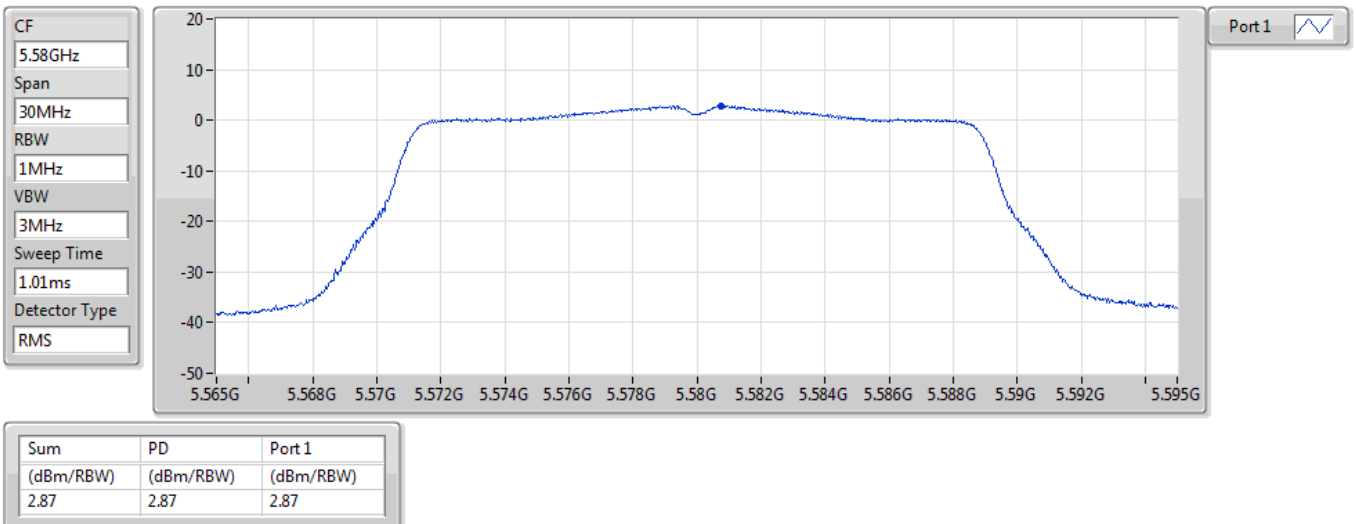
5500MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

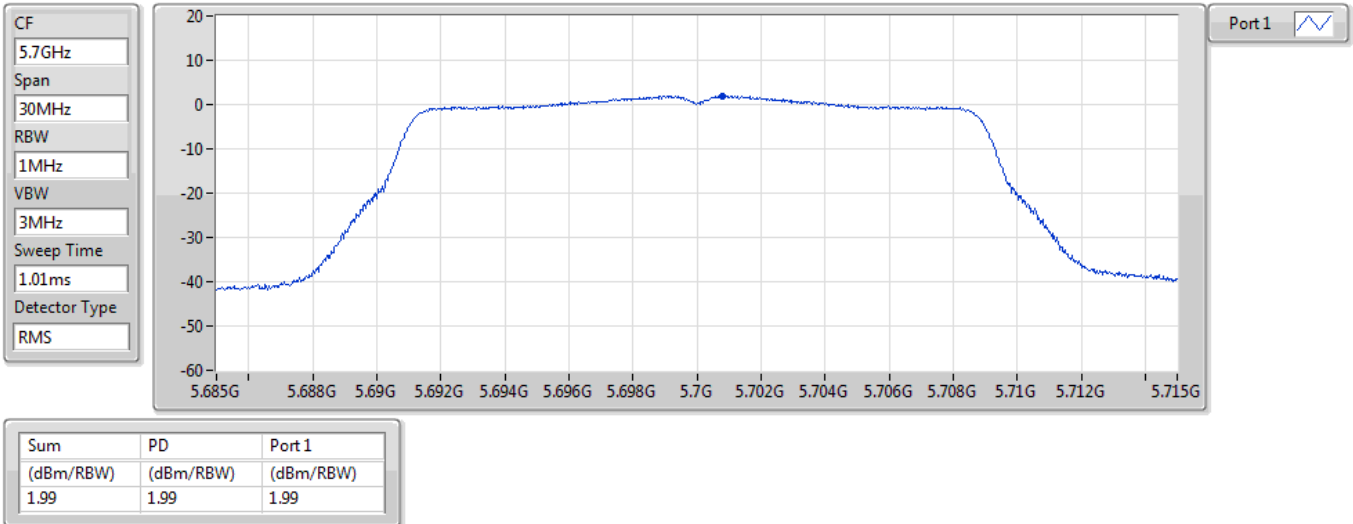
5580MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

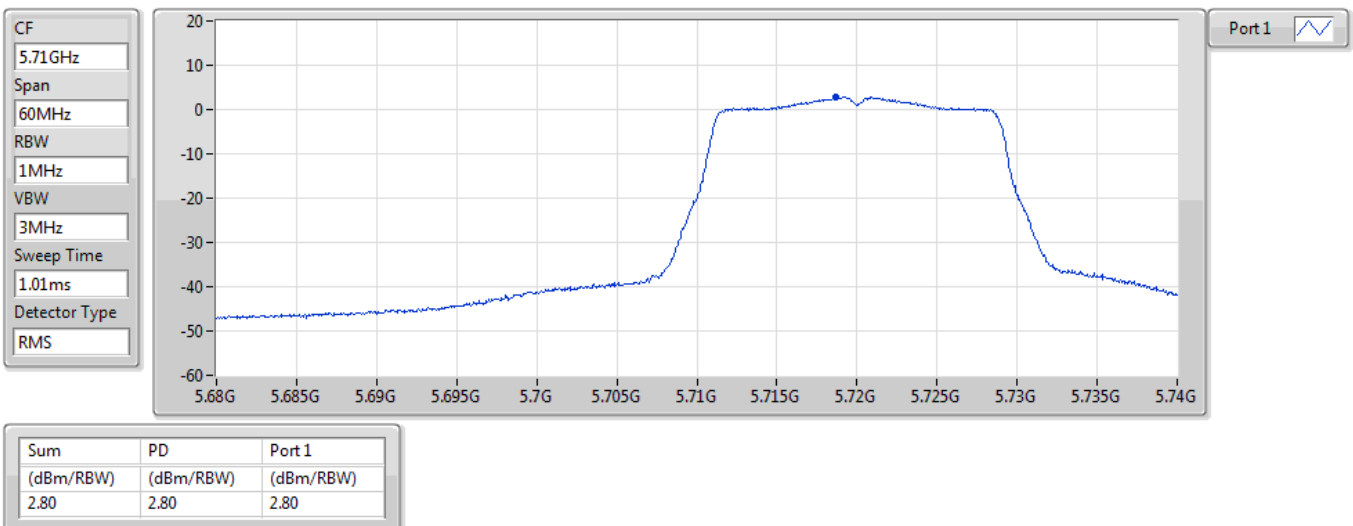
5700MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

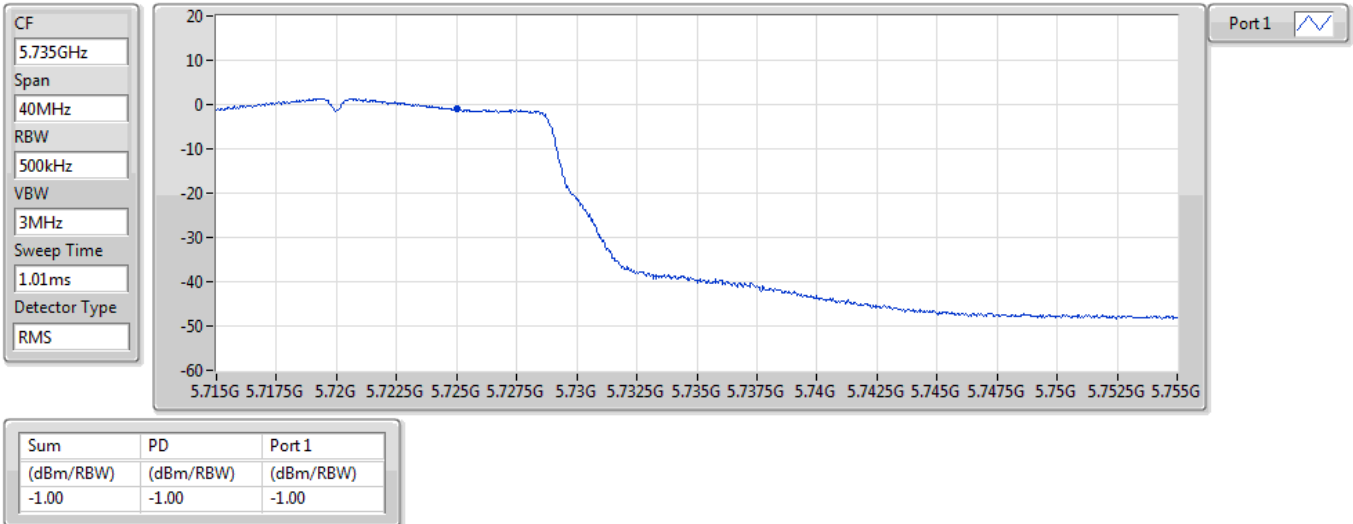
5720MHz Straddle 5.47-5.725GHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

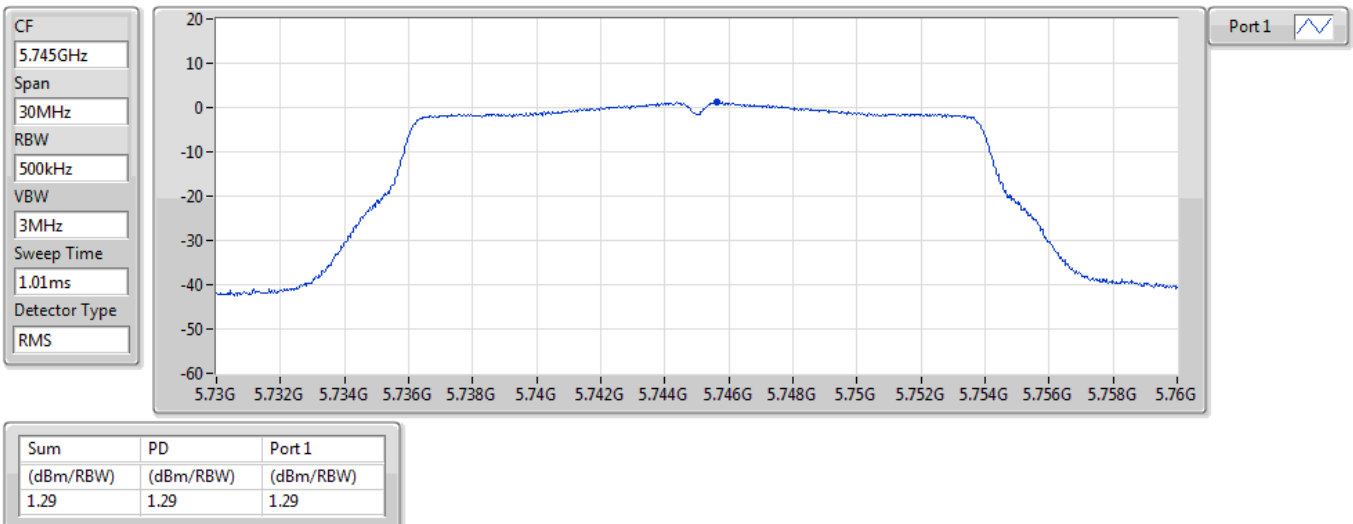
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

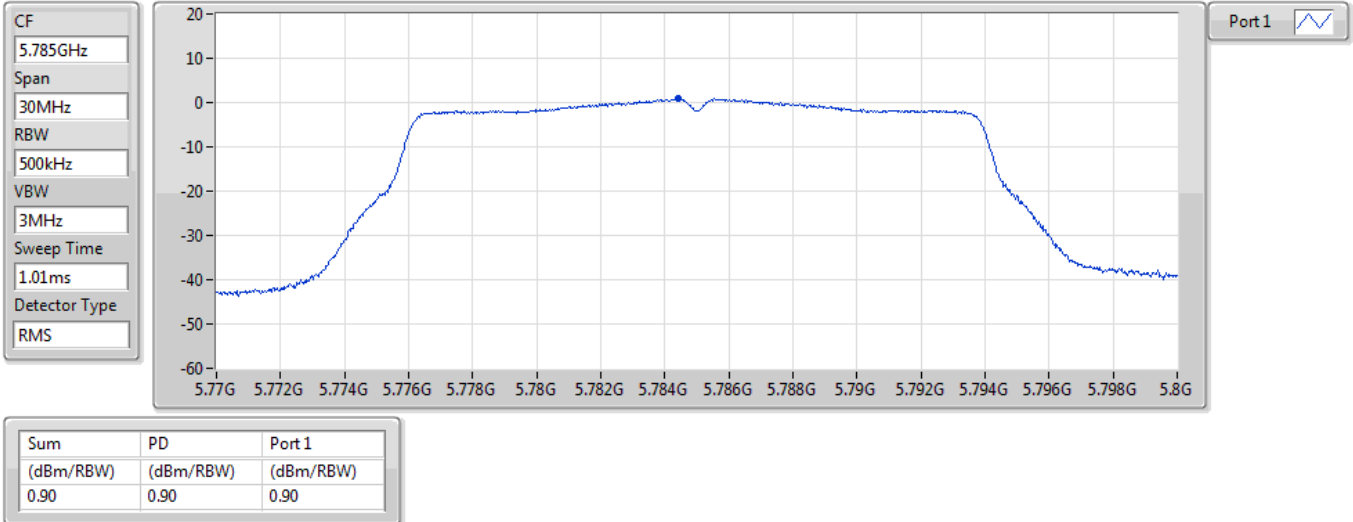
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

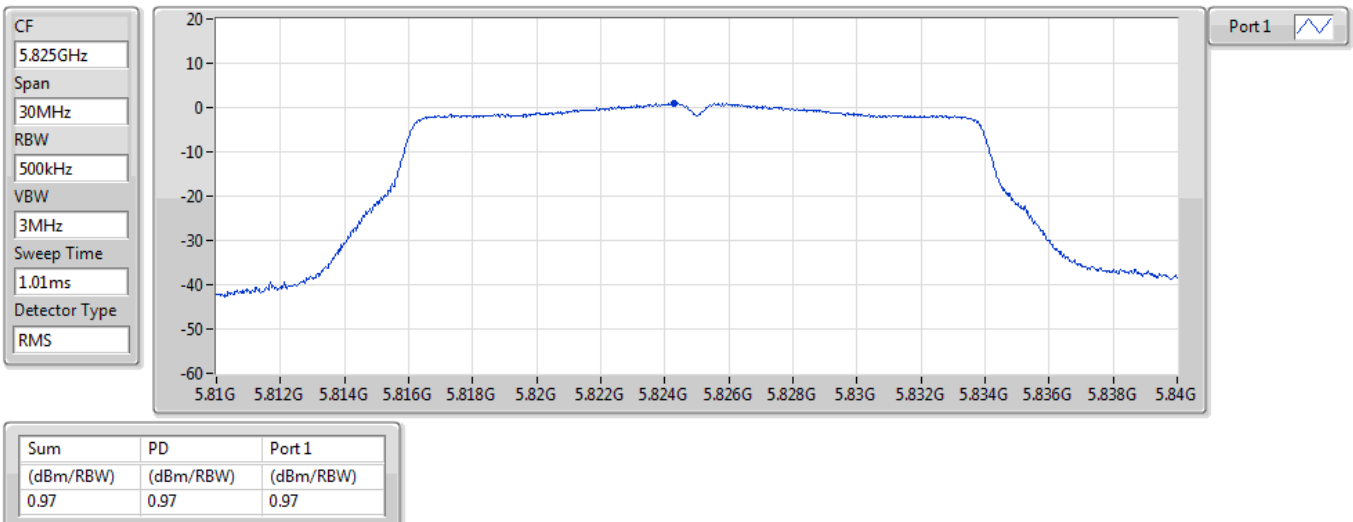
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

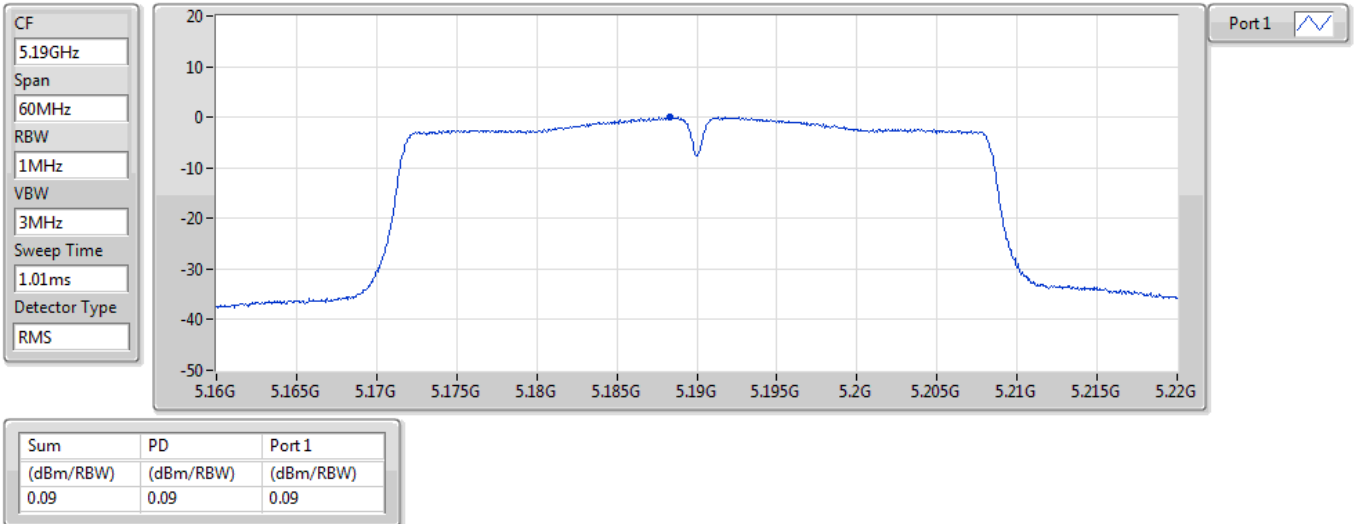
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

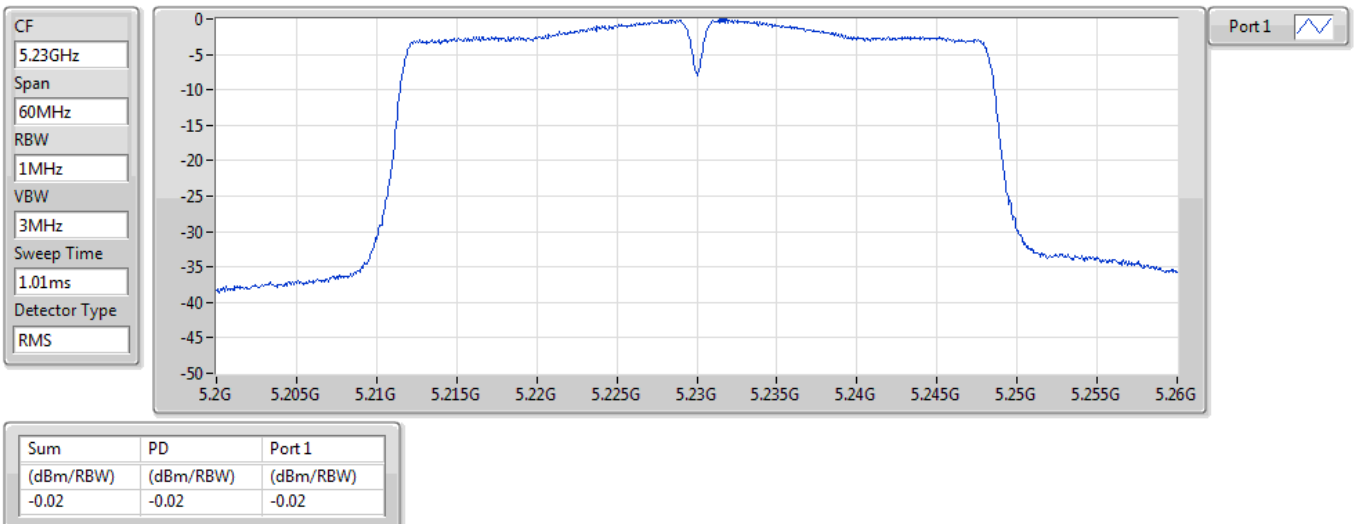
5190MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

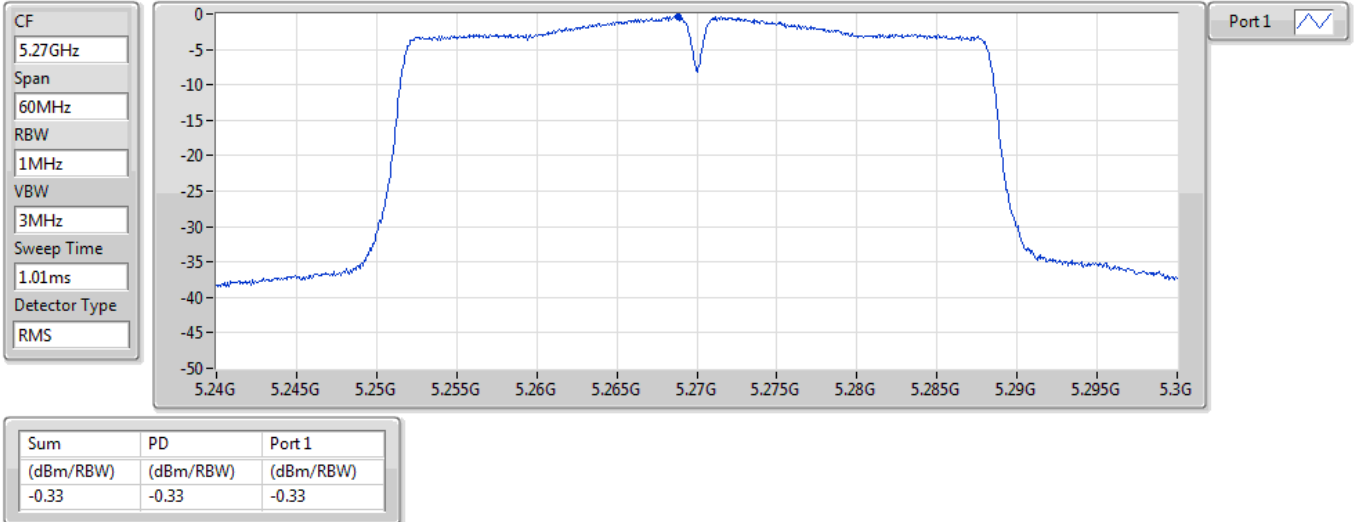
5230MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

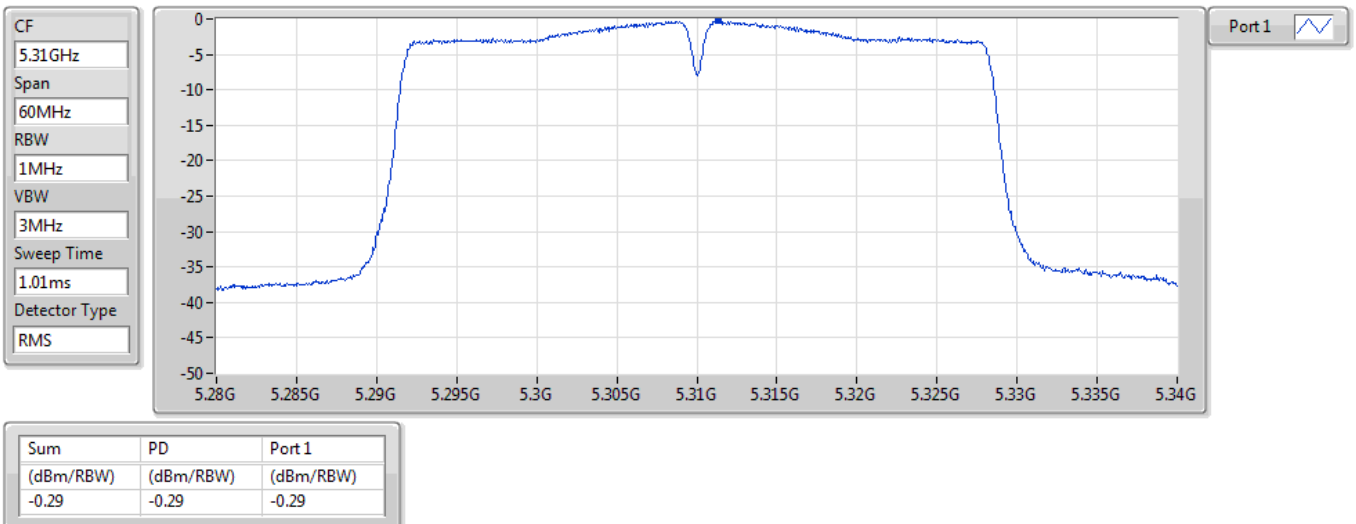
5270MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

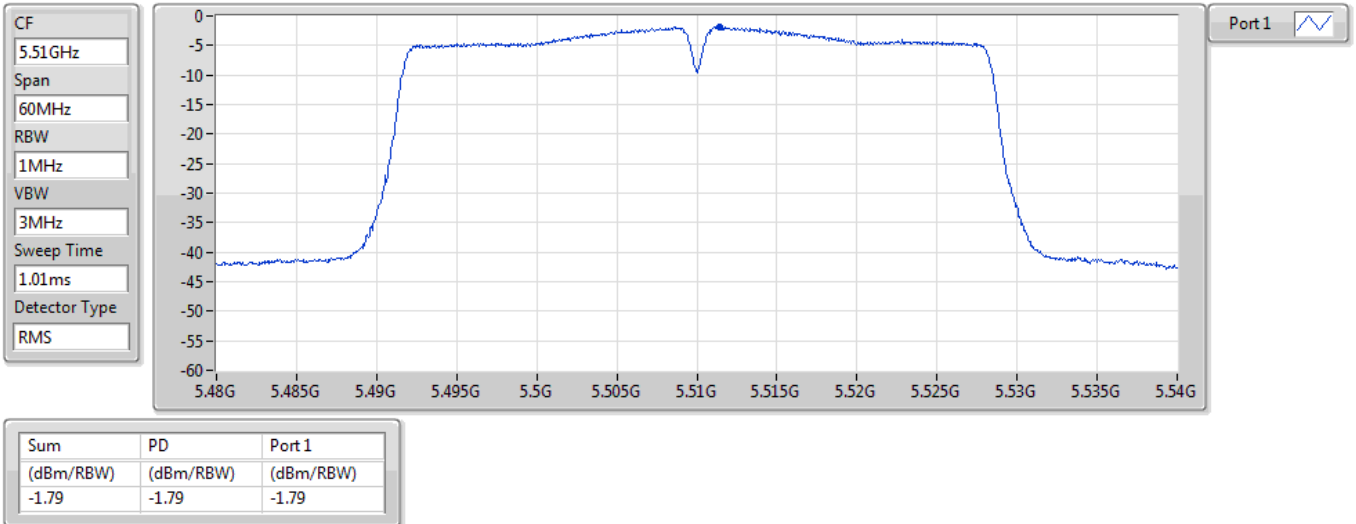
5310MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

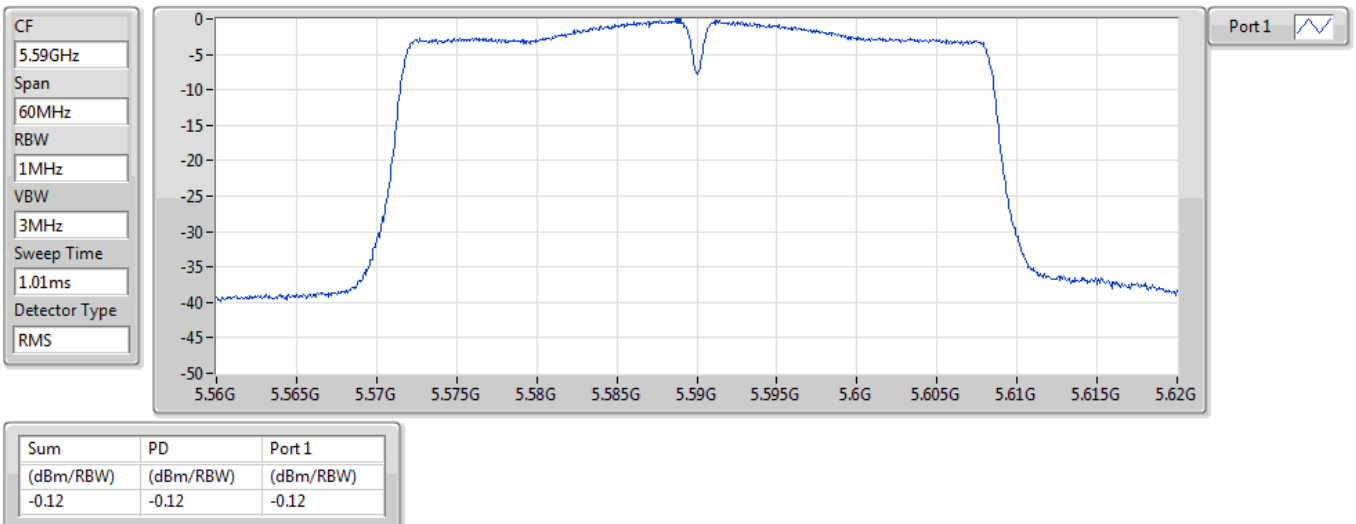
5510MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5590MHz

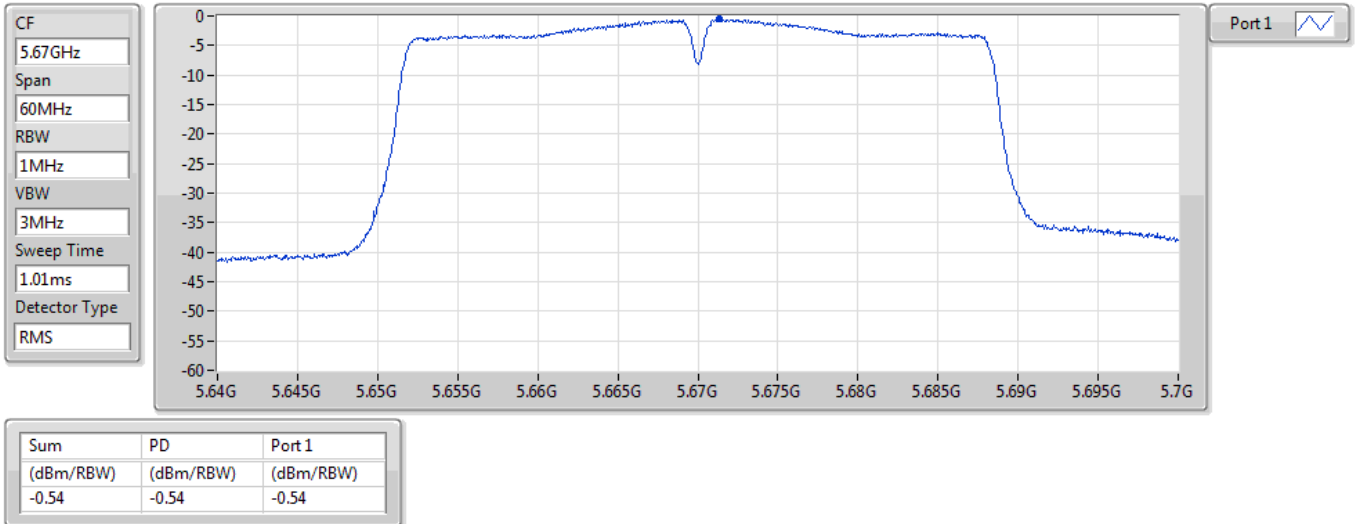




802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

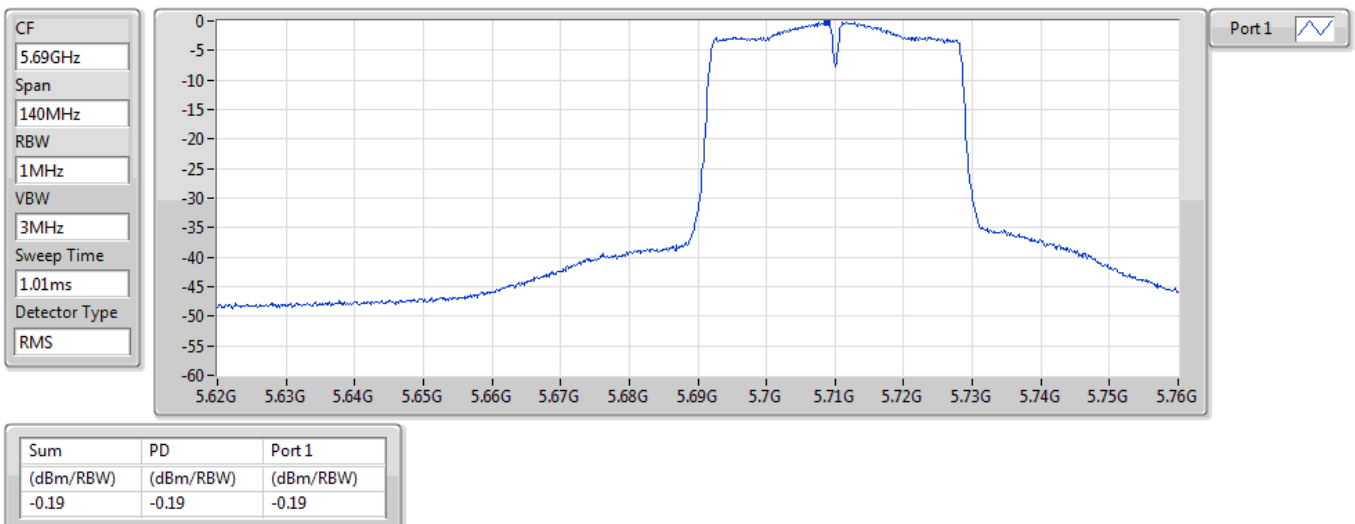
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

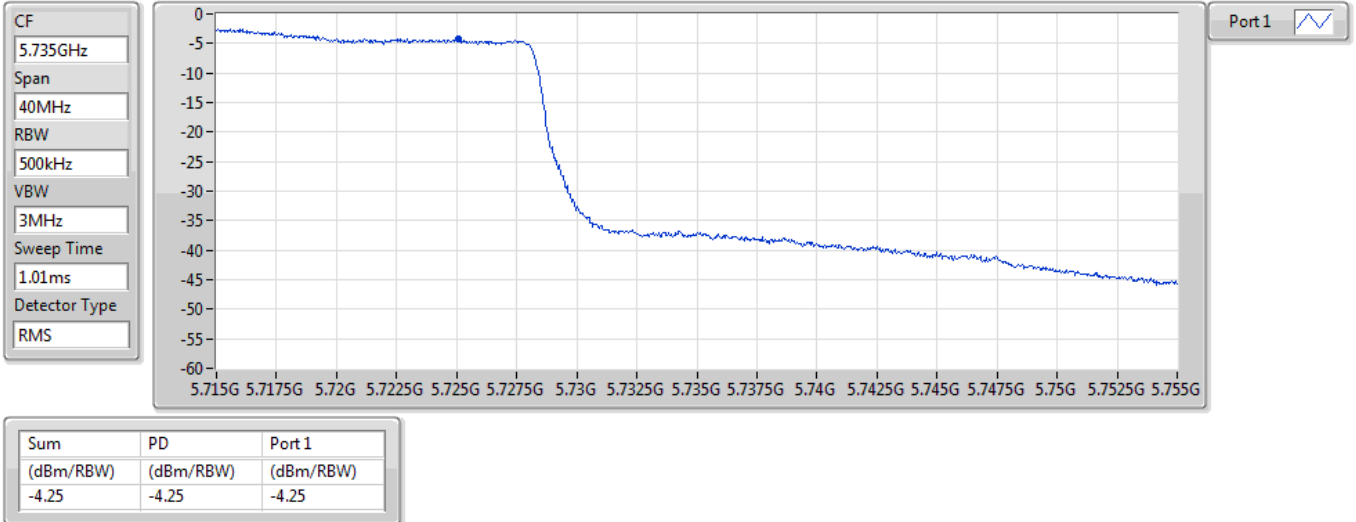
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

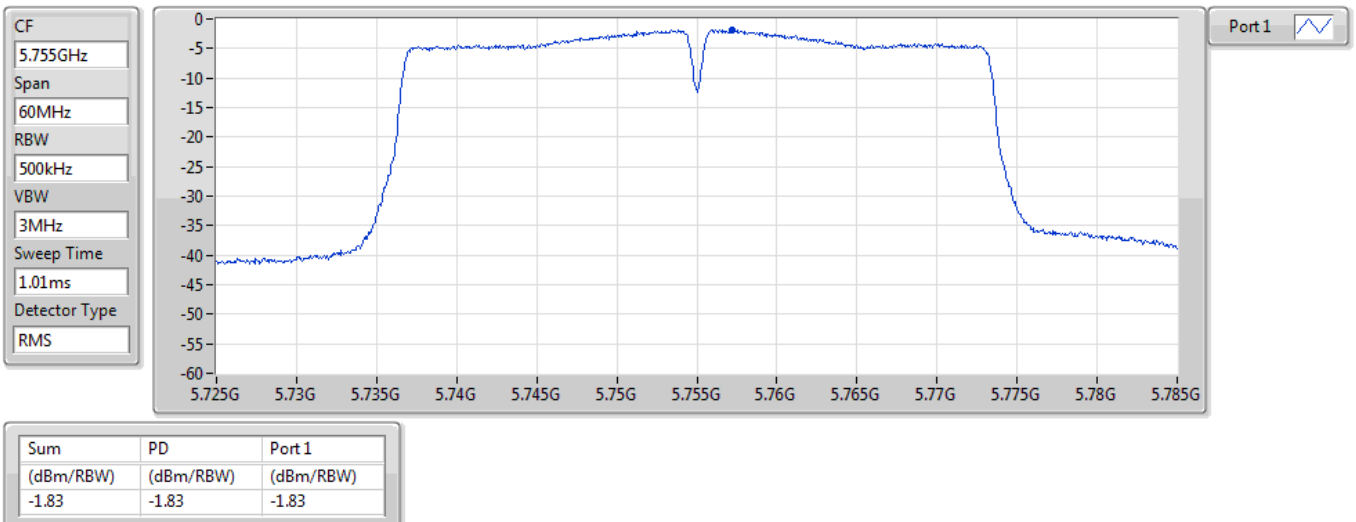
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

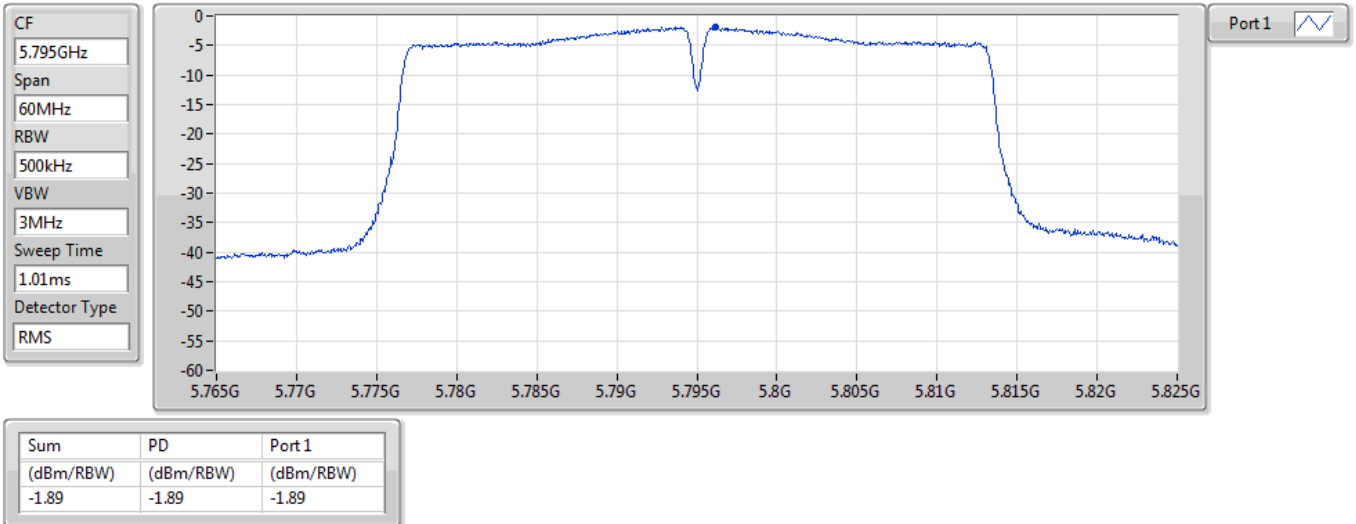
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

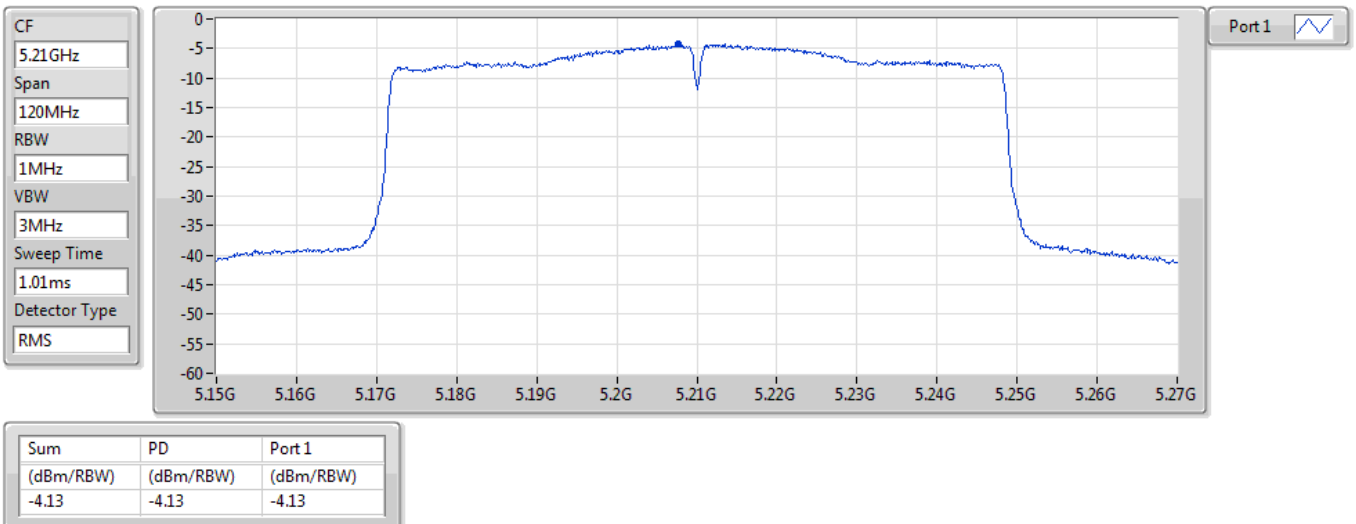
5795MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

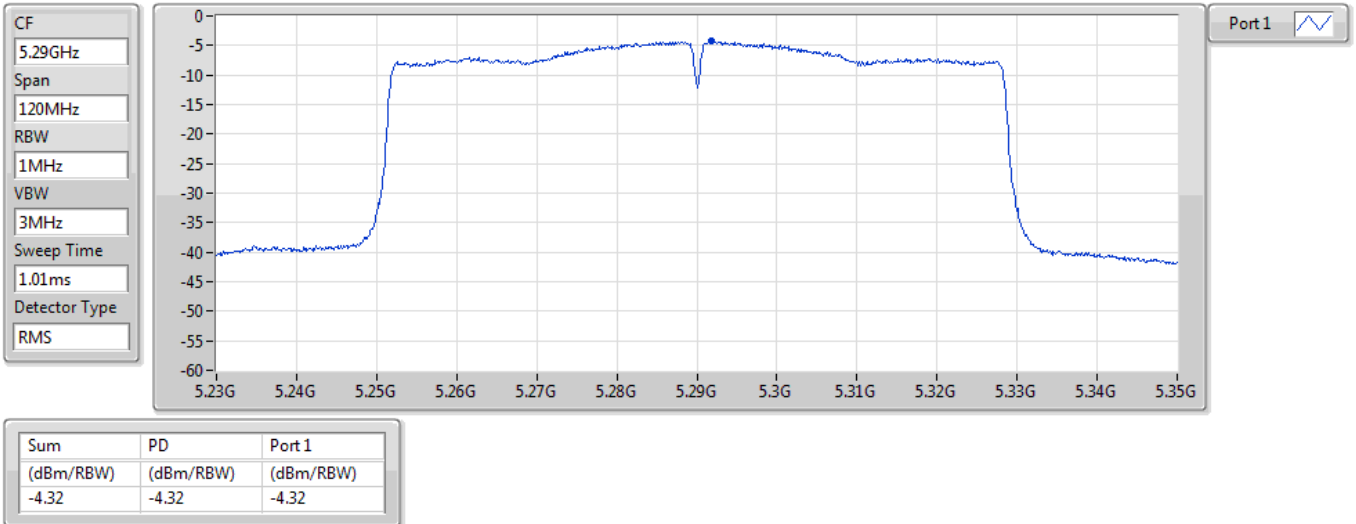
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

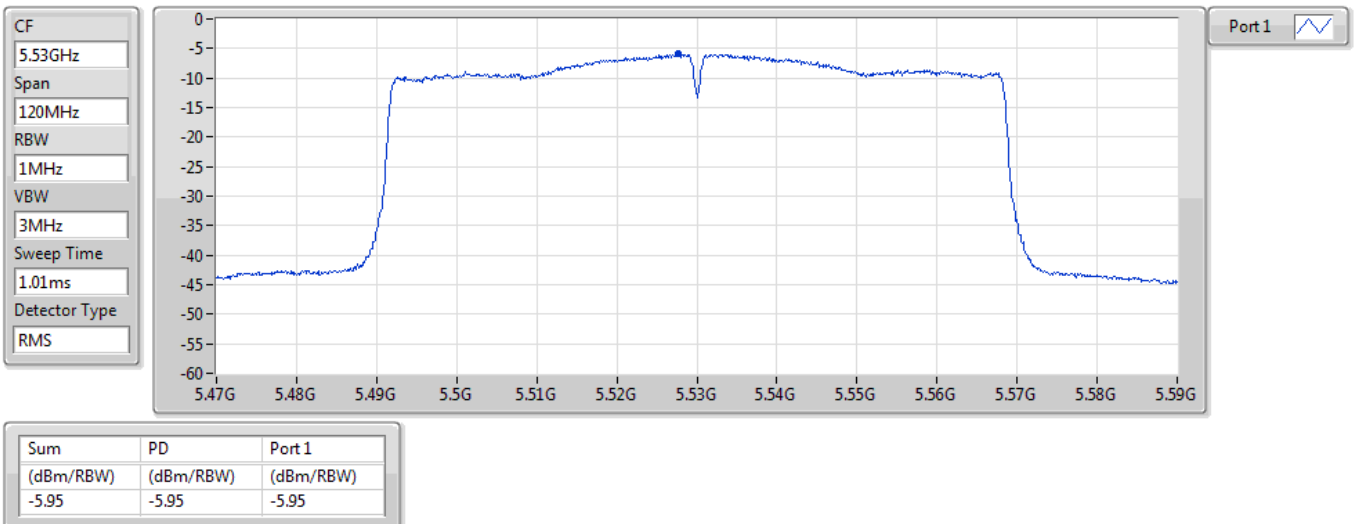
5290MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

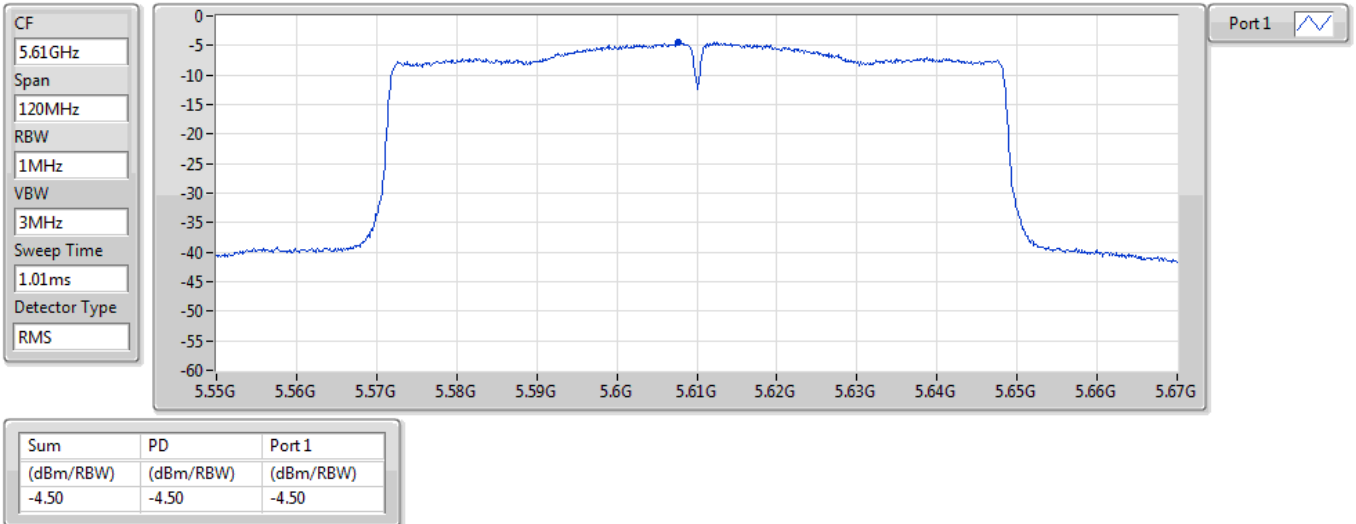
5530MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

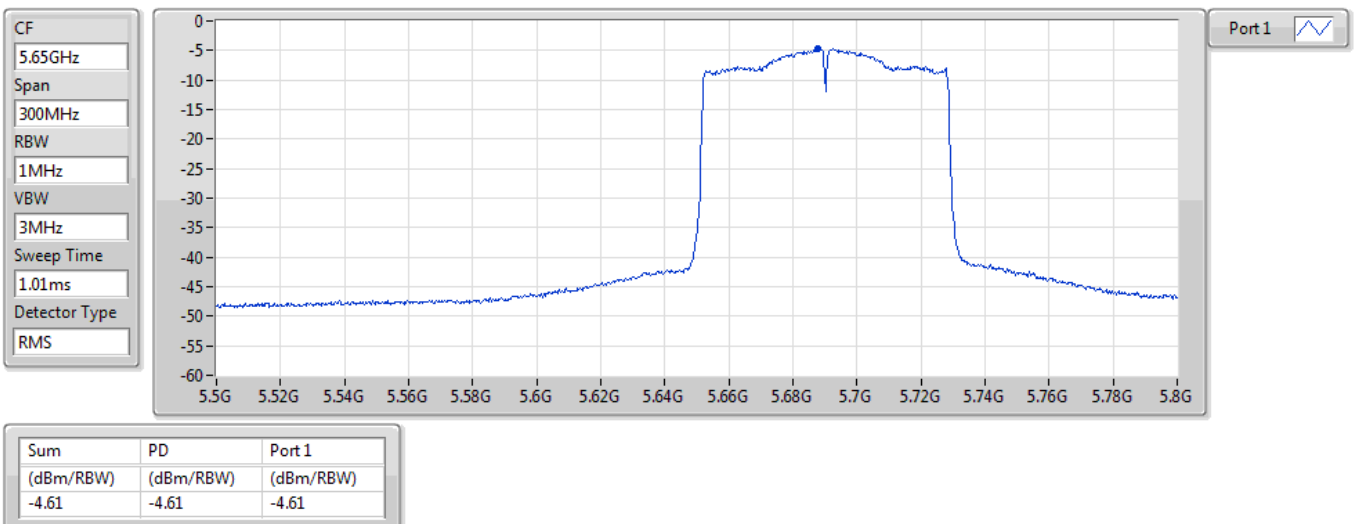
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

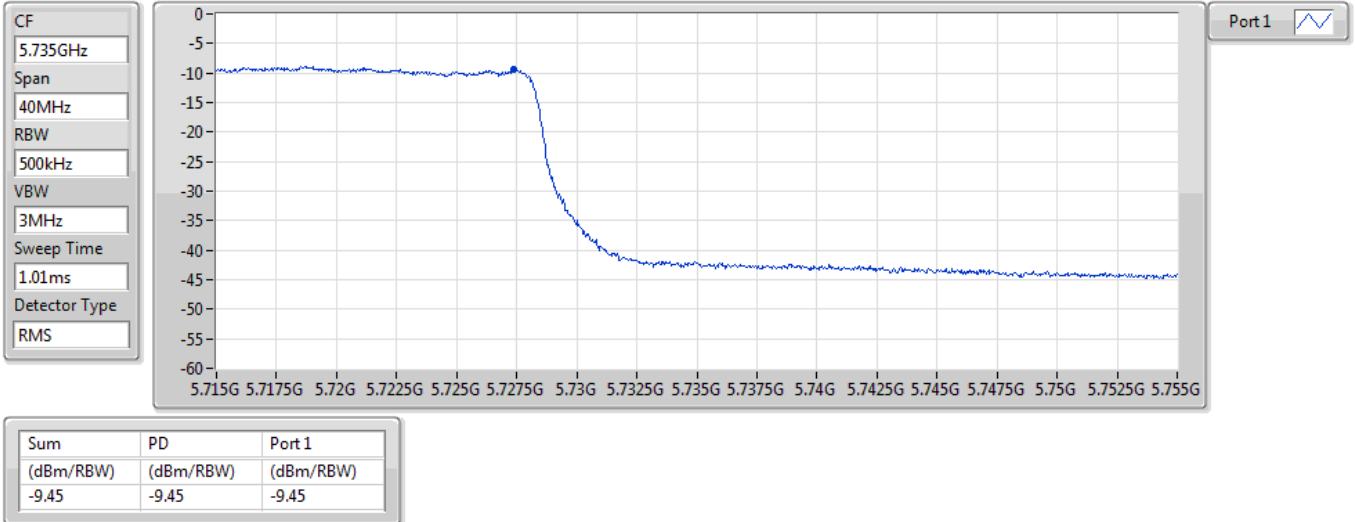
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

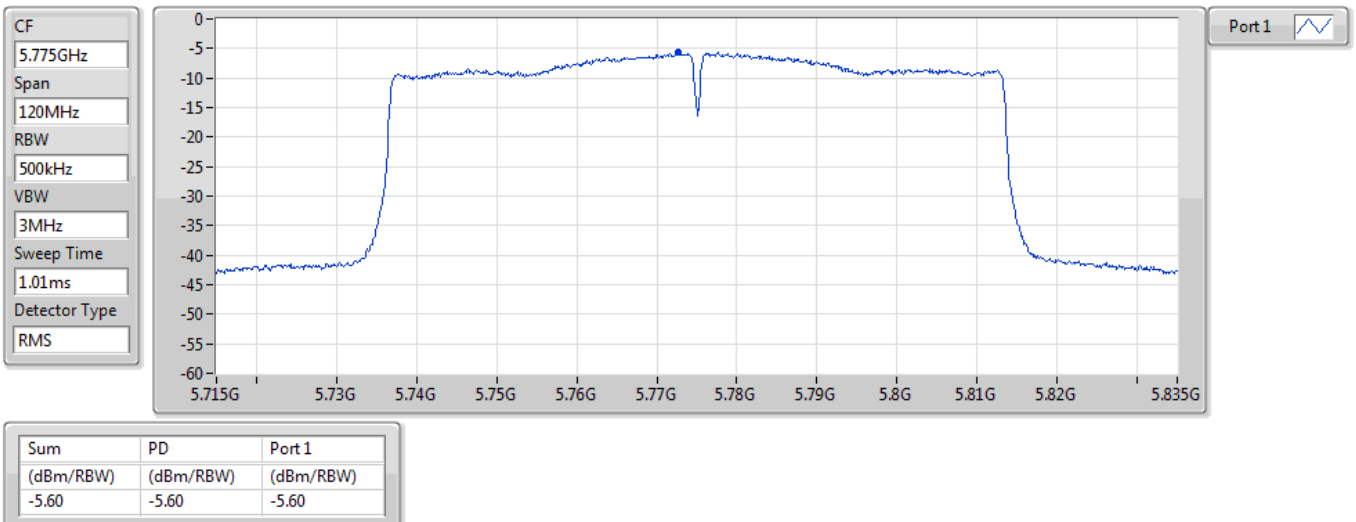
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz





Test configuration 1: Cradle mode

Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):63			
Level (dBuV/m)			



Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):63			
Level (dBUV/m)			



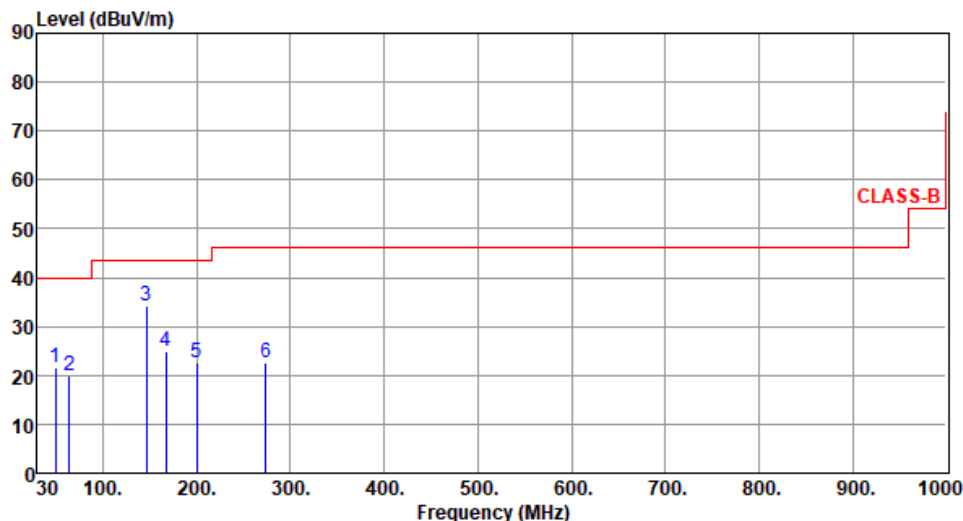
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):63			
Level (dBUV/m)			



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):63			
Level (dBuV/m) </			

Test configuration 2: Adapter mode

Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5300																																																																						
Polarization	Horizontal																																																																								
Test By :Akun Chung- Temperature(°C):24 Humidity(%):63																																																																									
Level (dBUV/m)  CLASS-B <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>49.40</td><td>21.52</td><td>40.00</td><td>-18.48</td><td>29.81</td><td>-8.29</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>63.95</td><td>19.98</td><td>40.00</td><td>-20.02</td><td>29.80</td><td>-9.82</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>146.40</td><td>34.19</td><td>43.50</td><td>-9.31</td><td>43.18</td><td>-8.99</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>166.77</td><td>24.76</td><td>43.50</td><td>-18.74</td><td>34.05</td><td>-9.29</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>199.75</td><td>22.51</td><td>43.50</td><td>-20.99</td><td>34.35</td><td>-11.84</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>273.47</td><td>22.65</td><td>46.00</td><td>-23.35</td><td>31.49</td><td>-8.84</td><td>Peak</td><td>---</td><td>---</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	49.40	21.52	40.00	-18.48	29.81	-8.29	Peak	---	---	2	63.95	19.98	40.00	-20.02	29.80	-9.82	Peak	---	---	3	146.40	34.19	43.50	-9.31	43.18	-8.99	Peak	---	---	4	166.77	24.76	43.50	-18.74	34.05	-9.29	Peak	---	---	5	199.75	22.51	43.50	-20.99	34.35	-11.84	Peak	---	---	6	273.47	22.65	46.00	-23.35	31.49	-8.84	Peak	---	---
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	49.40	21.52	40.00	-18.48	29.81	-8.29	Peak	---	---																																																																
2	63.95	19.98	40.00	-20.02	29.80	-9.82	Peak	---	---																																																																
3	146.40	34.19	43.50	-9.31	43.18	-8.99	Peak	---	---																																																																
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																									



Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):24 Humidity(%):63			
Level (dBUV/m) </			



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Akun Chung- Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):24 Humidity(%):63			
Level (dBuV/m)			

Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5180																																																												
Polarization	Vertical																																																														
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																															
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.51</td><td>54.00</td><td>-8.49</td><td>45.44</td><td>0.07</td><td>Average</td><td>354</td><td>259</td></tr><tr><td>2</td><td>5150.00</td><td>61.92</td><td>74.00</td><td>-12.08</td><td>61.85</td><td>0.07</td><td>Peak</td><td>354</td><td>259</td></tr><tr><td>3</td><td>10360.00</td><td>53.85</td><td>68.20</td><td>-14.35</td><td>47.09</td><td>6.76</td><td>Peak</td><td>100</td><td>63</td></tr><tr><td>4</td><td>15540.00</td><td>41.54</td><td>54.00</td><td>-12.46</td><td>37.95</td><td>3.59</td><td>Average</td><td>100</td><td>168</td></tr><tr><td>5</td><td>15540.00</td><td>55.08</td><td>74.00</td><td>-18.92</td><td>51.49</td><td>3.59</td><td>Peak</td><td>100</td><td>168</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	45.51	54.00	-8.49	45.44	0.07	Average	354	259	2	5150.00	61.92	74.00	-12.08	61.85	0.07	Peak	354	259	3	10360.00	53.85	68.20	-14.35	47.09	6.76	Peak	100	63	4	15540.00	41.54	54.00	-12.46	37.95	3.59	Average	100	168	5	15540.00	55.08	74.00	-18.92	51.49	3.59	Peak	100	168
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5150.00	45.51	54.00	-8.49	45.44	0.07	Average	354	259																																																						
2	5150.00	61.92	74.00	-12.08	61.85	0.07	Peak	354	259																																																						
3	10360.00	53.85	68.20	-14.35	47.09	6.76	Peak	100	63																																																						
4	15540.00	41.54	54.00	-12.46	37.95	3.59	Average	100	168																																																						
5	15540.00	55.08	74.00	-18.92	51.49	3.59	Peak	100	168																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															



Modulation	11a	Test Freq. (MHz)	5200																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>43.56</td><td>54.00</td><td>-10.44</td><td>43.49</td><td>0.07</td><td>Average</td><td>100</td><td>113</td></tr><tr><td>2</td><td>5150.00</td><td>55.22</td><td>74.00</td><td>-18.78</td><td>55.15</td><td>0.07</td><td>Peak</td><td>100</td><td>113</td></tr><tr><td>3</td><td>5350.00</td><td>41.45</td><td>54.00</td><td>-12.55</td><td>42.03</td><td>-0.58</td><td>Average</td><td>100</td><td>113</td></tr><tr><td>4</td><td>5350.00</td><td>53.63</td><td>74.00</td><td>-20.37</td><td>54.21</td><td>-0.58</td><td>Peak</td><td>100</td><td>113</td></tr><tr><td>5</td><td>10400.00</td><td>54.24</td><td>68.20</td><td>-13.96</td><td>47.38</td><td>6.86</td><td>Peak</td><td>100</td><td>56</td></tr><tr><td>6</td><td>15600.00</td><td>41.68</td><td>54.00</td><td>-12.32</td><td>38.37</td><td>3.31</td><td>Average</td><td>100</td><td>192</td></tr><tr><td>7</td><td>15600.00</td><td>55.73</td><td>74.00</td><td>-18.27</td><td>52.42</td><td>3.31</td><td>Peak</td><td>100</td><td>192</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.56	54.00	-10.44	43.49	0.07	Average	100	113	2	5150.00	55.22	74.00	-18.78	55.15	0.07	Peak	100	113	3	5350.00	41.45	54.00	-12.55	42.03	-0.58	Average	100	113	4	5350.00	53.63	74.00	-20.37	54.21	-0.58	Peak	100	113	5	10400.00	54.24	68.20	-13.96	47.38	6.86	Peak	100	56	6	15600.00	41.68	54.00	-12.32	38.37	3.31	Average	100	192	7	15600.00	55.73	74.00	-18.27	52.42	3.31	Peak	100	192
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																			



Modulation	11a	Test Freq. (MHz)	5200																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
Level (dBuV/m) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.33</td><td>54.00</td><td>-11.67</td><td>42.26</td><td>0.07</td><td>Average</td><td>363</td><td>225</td></tr><tr><td>2</td><td>5150.00</td><td>53.62</td><td>74.00</td><td>-20.38</td><td>53.55</td><td>0.07</td><td>Peak</td><td>363</td><td>225</td></tr><tr><td>3</td><td>5350.00</td><td>41.56</td><td>54.00</td><td>-12.44</td><td>42.14</td><td>-0.58</td><td>Average</td><td>363</td><td>225</td></tr><tr><td>4</td><td>5350.00</td><td>54.25</td><td>74.00</td><td>-19.75</td><td>54.83</td><td>-0.58</td><td>Peak</td><td>363</td><td>225</td></tr><tr><td>5</td><td>10400.00</td><td>54.05</td><td>68.20</td><td>-14.15</td><td>47.19</td><td>6.86</td><td>Peak</td><td>100</td><td>90</td></tr><tr><td>6</td><td>15600.00</td><td>41.76</td><td>54.00</td><td>-12.24</td><td>38.45</td><td>3.31</td><td>Average</td><td>100</td><td>126</td></tr><tr><td>7</td><td>15600.00</td><td>55.27</td><td>74.00</td><td>-18.73</td><td>51.96</td><td>3.31</td><td>Peak</td><td>100</td><td>126</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.33	54.00	-11.67	42.26	0.07	Average	363	225	2	5150.00	53.62	74.00	-20.38	53.55	0.07	Peak	363	225	3	5350.00	41.56	54.00	-12.44	42.14	-0.58	Average	363	225	4	5350.00	54.25	74.00	-19.75	54.83	-0.58	Peak	363	225	5	10400.00	54.05	68.20	-14.15	47.19	6.86	Peak	100	90	6	15600.00	41.76	54.00	-12.24	38.45	3.31	Average	100	126	7	15600.00	55.27	74.00	-18.73	51.96	3.31	Peak	100	126
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																			



Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5240																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.28</td><td>54.00</td><td>-11.72</td><td>42.21</td><td>0.07</td><td>Average</td><td>368</td><td>269</td></tr><tr><td>2</td><td>5150.00</td><td>54.44</td><td>74.00</td><td>-19.56</td><td>54.37</td><td>0.07</td><td>Peak</td><td>368</td><td>269</td></tr><tr><td>3</td><td>5350.00</td><td>41.74</td><td>54.00</td><td>-12.26</td><td>42.32</td><td>-0.58</td><td>Average</td><td>368</td><td>269</td></tr><tr><td>4</td><td>5350.00</td><td>54.40</td><td>74.00</td><td>-19.60</td><td>54.98</td><td>-0.58</td><td>Peak</td><td>368</td><td>269</td></tr><tr><td>5</td><td>10480.00</td><td>54.23</td><td>68.20</td><td>-13.97</td><td>47.23</td><td>7.00</td><td>Peak</td><td>100</td><td>120</td></tr><tr><td>6</td><td>15720.00</td><td>41.60</td><td>54.00</td><td>-12.40</td><td>38.13</td><td>3.47</td><td>Average</td><td>100</td><td>132</td></tr><tr><td>7</td><td>15720.00</td><td>55.52</td><td>74.00</td><td>-18.48</td><td>52.05</td><td>3.47</td><td>Peak</td><td>100</td><td>132</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.28	54.00	-11.72	42.21	0.07	Average	368	269	2	5150.00	54.44	74.00	-19.56	54.37	0.07	Peak	368	269	3	5350.00	41.74	54.00	-12.26	42.32	-0.58	Average	368	269	4	5350.00	54.40	74.00	-19.60	54.98	-0.58	Peak	368	269	5	10480.00	54.23	68.20	-13.97	47.23	7.00	Peak	100	120	6	15720.00	41.60	54.00	-12.40	38.13	3.47	Average	100	132	7	15720.00	55.52	74.00	-18.48	52.05	3.47	Peak	100	132
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	11a		Test Freq. (MHz)		5260																																																																																	
Polarization	Horizontal																																																																																					
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																						
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.26</td><td>54.00</td><td>-11.74</td><td>42.19</td><td>0.07</td><td>Average</td><td>100</td><td>312</td></tr><tr><td>2</td><td>5150.00</td><td>54.31</td><td>74.00</td><td>-19.69</td><td>54.24</td><td>0.07</td><td>Peak</td><td>100</td><td>312</td></tr><tr><td>3</td><td>5350.00</td><td>41.98</td><td>54.00</td><td>-12.02</td><td>42.56</td><td>-0.58</td><td>Average</td><td>100</td><td>312</td></tr><tr><td>4</td><td>5350.00</td><td>54.10</td><td>74.00</td><td>-19.90</td><td>54.68</td><td>-0.58</td><td>Peak</td><td>100</td><td>312</td></tr><tr><td>5</td><td>10520.00</td><td>54.80</td><td>68.20</td><td>-13.40</td><td>47.78</td><td>7.02</td><td>Peak</td><td>100</td><td>24</td></tr><tr><td>6</td><td>15780.00</td><td>42.72</td><td>54.00</td><td>-11.28</td><td>39.16</td><td>3.56</td><td>Average</td><td>100</td><td>162</td></tr><tr><td>7</td><td>15780.00</td><td>55.02</td><td>74.00</td><td>-18.98</td><td>51.46</td><td>3.56</td><td>Peak</td><td>100</td><td>162</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.26	54.00	-11.74	42.19	0.07	Average	100	312	2	5150.00	54.31	74.00	-19.69	54.24	0.07	Peak	100	312	3	5350.00	41.98	54.00	-12.02	42.56	-0.58	Average	100	312	4	5350.00	54.10	74.00	-19.90	54.68	-0.58	Peak	100	312	5	10520.00	54.80	68.20	-13.40	47.78	7.02	Peak	100	24	6	15780.00	42.72	54.00	-11.28	39.16	3.56	Average	100	162	7	15780.00	55.02	74.00	-18.98	51.46	3.56	Peak	100	162
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																													
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																						



Modulation	11a		Test Freq. (MHz)		5260																																																																																	
Polarization	Vertical																																																																																					
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																						
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.33</td><td>54.00</td><td>-11.67</td><td>42.26</td><td>0.07</td><td>Average</td><td>390</td><td>215</td></tr><tr><td>2</td><td>5150.00</td><td>54.22</td><td>74.00</td><td>-19.78</td><td>54.15</td><td>0.07</td><td>Peak</td><td>390</td><td>215</td></tr><tr><td>3</td><td>5350.00</td><td>42.06</td><td>54.00</td><td>-11.94</td><td>42.64</td><td>-0.58</td><td>Average</td><td>390</td><td>215</td></tr><tr><td>4</td><td>5350.00</td><td>53.68</td><td>74.00</td><td>-20.32</td><td>54.26</td><td>-0.58</td><td>Peak</td><td>390</td><td>215</td></tr><tr><td>5</td><td>10520.00</td><td>55.73</td><td>68.20</td><td>-12.47</td><td>48.71</td><td>7.02</td><td>Peak</td><td>100</td><td>137</td></tr><tr><td>6</td><td>15780.00</td><td>42.63</td><td>54.00</td><td>-11.37</td><td>39.07</td><td>3.56</td><td>Average</td><td>100</td><td>68</td></tr><tr><td>7</td><td>15780.00</td><td>55.93</td><td>74.00</td><td>-18.07</td><td>52.37</td><td>3.56</td><td>Peak</td><td>100</td><td>68</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.33	54.00	-11.67	42.26	0.07	Average	390	215	2	5150.00	54.22	74.00	-19.78	54.15	0.07	Peak	390	215	3	5350.00	42.06	54.00	-11.94	42.64	-0.58	Average	390	215	4	5350.00	53.68	74.00	-20.32	54.26	-0.58	Peak	390	215	5	10520.00	55.73	68.20	-12.47	48.71	7.02	Peak	100	137	6	15780.00	42.63	54.00	-11.37	39.07	3.56	Average	100	68	7	15780.00	55.93	74.00	-18.07	52.37	3.56	Peak	100	68
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																													
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Modulation	11a	Test Freq. (MHz)	5300																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.46</td><td>54.00</td><td>-11.54</td><td>42.39</td><td>0.07</td><td>Average</td><td>100</td><td>315</td></tr><tr><td>2</td><td>5150.00</td><td>53.70</td><td>74.00</td><td>-20.30</td><td>53.63</td><td>0.07</td><td>Peak</td><td>100</td><td>315</td></tr><tr><td>3</td><td>5350.00</td><td>42.83</td><td>54.00</td><td>-11.17</td><td>43.41</td><td>-0.58</td><td>Average</td><td>100</td><td>315</td></tr><tr><td>4</td><td>5350.00</td><td>55.30</td><td>74.00</td><td>-18.70</td><td>55.88</td><td>-0.58</td><td>Peak</td><td>100</td><td>315</td></tr><tr><td>5</td><td>10600.00</td><td>41.67</td><td>54.00</td><td>-12.33</td><td>34.75</td><td>6.92</td><td>Average</td><td>100</td><td>66</td></tr><tr><td>6</td><td>10600.00</td><td>55.18</td><td>74.00</td><td>-18.82</td><td>48.26</td><td>6.92</td><td>Peak</td><td>100</td><td>66</td></tr><tr><td>7</td><td>15900.00</td><td>42.45</td><td>54.00</td><td>-11.55</td><td>38.73</td><td>3.72</td><td>Average</td><td>100</td><td>82</td></tr><tr><td>8</td><td>15900.00</td><td>55.53</td><td>74.00</td><td>-18.47</td><td>51.81</td><td>3.72</td><td>Peak</td><td>100</td><td>82</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.46	54.00	-11.54	42.39	0.07	Average	100	315	2	5150.00	53.70	74.00	-20.30	53.63	0.07	Peak	100	315	3	5350.00	42.83	54.00	-11.17	43.41	-0.58	Average	100	315	4	5350.00	55.30	74.00	-18.70	55.88	-0.58	Peak	100	315	5	10600.00	41.67	54.00	-12.33	34.75	6.92	Average	100	66	6	10600.00	55.18	74.00	-18.82	48.26	6.92	Peak	100	66	7	15900.00	42.45	54.00	-11.55	38.73	3.72	Average	100	82	8	15900.00	55.53	74.00	-18.47	51.81	3.72	Peak	100	82
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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5	10600.00	41.67	54.00	-12.33	34.75	6.92	Average	100	66																																																																																				
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Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63			
Level (dBUV/m) <			



Modulation	11a	Test Freq. (MHz)	5320																																																																						
Polarization	Horizontal																																																																								
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																									
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5350.00</td><td>44.33</td><td>54.00</td><td>-9.67</td><td>44.91</td><td>-0.58</td><td>Average</td><td>100</td><td>313</td></tr><tr><td>2</td><td>5350.00</td><td>59.47</td><td>74.00</td><td>-14.53</td><td>60.05</td><td>-0.58</td><td>Peak</td><td>100</td><td>313</td></tr><tr><td>3</td><td>10640.00</td><td>41.63</td><td>54.00</td><td>-12.37</td><td>34.68</td><td>6.95</td><td>Average</td><td>100</td><td>128</td></tr><tr><td>4</td><td>10640.00</td><td>54.60</td><td>74.00</td><td>-19.40</td><td>47.65</td><td>6.95</td><td>Peak</td><td>100</td><td>128</td></tr><tr><td>5</td><td>15960.00</td><td>42.73</td><td>54.00</td><td>-11.27</td><td>38.87</td><td>3.86</td><td>Average</td><td>100</td><td>24</td></tr><tr><td>6</td><td>15960.00</td><td>55.12</td><td>74.00</td><td>-18.88</td><td>51.26</td><td>3.86</td><td>Peak</td><td>100</td><td>24</td></tr></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5350.00	44.33	54.00	-9.67	44.91	-0.58	Average	100	313	2	5350.00	59.47	74.00	-14.53	60.05	-0.58	Peak	100	313	3	10640.00	41.63	54.00	-12.37	34.68	6.95	Average	100	128	4	10640.00	54.60	74.00	-19.40	47.65	6.95	Peak	100	128	5	15960.00	42.73	54.00	-11.27	38.87	3.86	Average	100	24	6	15960.00	55.12	74.00	-18.88	51.26	3.86	Peak	100	24
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
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Modulation	11a		Test Freq. (MHz)		5320																																																																							
Polarization	Vertical																																																																											
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																												
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5350.00</td><td>43.31</td><td>54.00</td><td>-10.69</td><td>43.89</td><td>-0.58</td><td>Average</td><td>390</td><td>273</td></tr><tr><td>2</td><td>5350.00</td><td>56.36</td><td>74.00</td><td>-17.64</td><td>56.94</td><td>-0.58</td><td>Peak</td><td>390</td><td>273</td></tr><tr><td>3</td><td>10640.00</td><td>41.50</td><td>54.00</td><td>-12.50</td><td>34.55</td><td>6.95</td><td>Average</td><td>100</td><td>244</td></tr><tr><td>4</td><td>10640.00</td><td>54.66</td><td>74.00</td><td>-19.34</td><td>47.71</td><td>6.95</td><td>Peak</td><td>100</td><td>244</td></tr><tr><td>5</td><td>15960.00</td><td>42.78</td><td>54.00</td><td>-11.22</td><td>38.92</td><td>3.86</td><td>Average</td><td>100</td><td>162</td></tr><tr><td>6</td><td>15960.00</td><td>55.28</td><td>74.00</td><td>-18.72</td><td>51.42</td><td>3.86</td><td>Peak</td><td>100</td><td>162</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5350.00	43.31	54.00	-10.69	43.89	-0.58	Average	390	273	2	5350.00	56.36	74.00	-17.64	56.94	-0.58	Peak	390	273	3	10640.00	41.50	54.00	-12.50	34.55	6.95	Average	100	244	4	10640.00	54.66	74.00	-19.34	47.71	6.95	Peak	100	244	5	15960.00	42.78	54.00	-11.22	38.92	3.86	Average	100	162	6	15960.00	55.28	74.00	-18.72	51.42	3.86	Peak	100	162
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																			
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																												



Modulation	11a	Test Freq. (MHz)	5500																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
Level (dBUV/m) UNII 1~2-PK UNII 1~2-AV Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5460.00</td><td>45.21</td><td>54.00</td><td>-8.79</td><td>45.52</td><td>-0.31</td><td>Average</td><td>100</td><td>307</td></tr><tr><td>2</td><td>5460.00</td><td>61.64</td><td>74.00</td><td>-12.36</td><td>61.95</td><td>-0.31</td><td>Peak</td><td>100</td><td>307</td></tr><tr><td>3</td><td>5470.00</td><td>65.61</td><td>68.20</td><td>-2.59</td><td>65.89</td><td>-0.28</td><td>Peak</td><td>100</td><td>307</td></tr><tr><td>4</td><td>11000.00</td><td>42.30</td><td>54.00</td><td>-11.70</td><td>34.96</td><td>7.34</td><td>Average</td><td>100</td><td>146</td></tr><tr><td>5</td><td>11000.00</td><td>55.26</td><td>74.00</td><td>-18.74</td><td>47.92</td><td>7.34</td><td>Peak</td><td>100</td><td>146</td></tr><tr><td>6</td><td>16500.00</td><td>58.73</td><td>68.20</td><td>-9.47</td><td>52.25</td><td>6.48</td><td>Peak</td><td>100</td><td>23</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m			dBuV			cm	deg	1	5460.00	45.21	54.00	-8.79	45.52	-0.31	Average	100	307	2	5460.00	61.64	74.00	-12.36	61.95	-0.31	Peak	100	307	3	5470.00	65.61	68.20	-2.59	65.89	-0.28	Peak	100	307	4	11000.00	42.30	54.00	-11.70	34.96	7.34	Average	100	146	5	11000.00	55.26	74.00	-18.74	47.92	7.34	Peak	100	146	6	16500.00	58.73	68.20	-9.47	52.25	6.48	Peak	100	23
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																				
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		dBuV/m			dBuV			cm	deg																																																																																				
1	5460.00	45.21	54.00	-8.79	45.52	-0.31	Average	100	307																																																																																				
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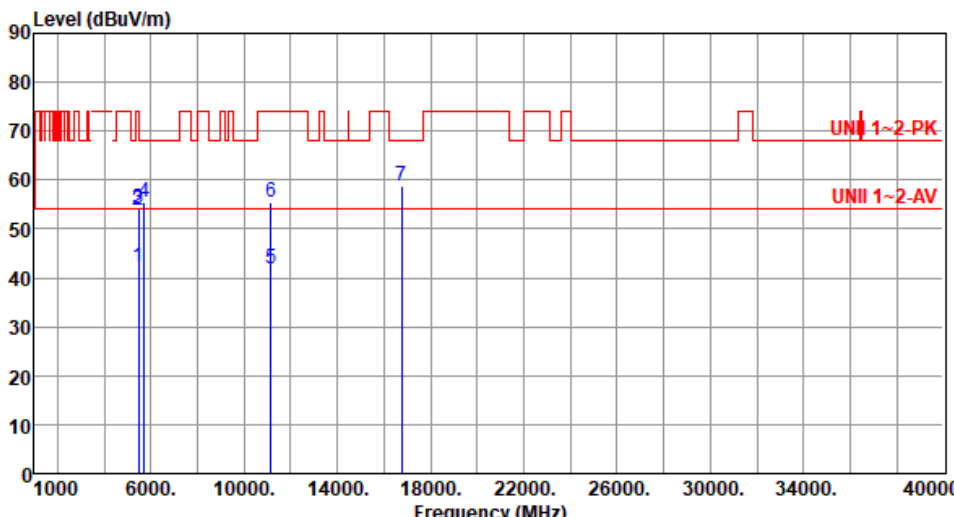


Modulation	11a		Test Freq. (MHz)		5500																																																																							
Polarization	Vertical																																																																											
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																												
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>43.02</td><td>54.00</td><td>-10.98</td><td>43.33</td><td>-0.31</td><td>Average</td><td>383</td><td>251</td></tr><tr><td>2</td><td>5460.00</td><td>57.69</td><td>74.00</td><td>-16.31</td><td>58.00</td><td>-0.31</td><td>Peak</td><td>383</td><td>251</td></tr><tr><td>3</td><td>5470.00</td><td>60.94</td><td>68.20</td><td>-7.26</td><td>61.22</td><td>-0.28</td><td>Peak</td><td>383</td><td>251</td></tr><tr><td>4</td><td>11000.00</td><td>42.28</td><td>54.00</td><td>-11.72</td><td>34.94</td><td>7.34</td><td>Average</td><td>100</td><td>48</td></tr><tr><td>5</td><td>11000.00</td><td>55.09</td><td>74.00</td><td>-18.91</td><td>47.75</td><td>7.34</td><td>Peak</td><td>100</td><td>48</td></tr><tr><td>6</td><td>16500.00</td><td>58.78</td><td>68.20</td><td>-9.42</td><td>52.30</td><td>6.48</td><td>Peak</td><td>100</td><td>122</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	43.02	54.00	-10.98	43.33	-0.31	Average	383	251	2	5460.00	57.69	74.00	-16.31	58.00	-0.31	Peak	383	251	3	5470.00	60.94	68.20	-7.26	61.22	-0.28	Peak	383	251	4	11000.00	42.28	54.00	-11.72	34.94	7.34	Average	100	48	5	11000.00	55.09	74.00	-18.91	47.75	7.34	Peak	100	48	6	16500.00	58.78	68.20	-9.42	52.30	6.48	Peak	100	122
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																			
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Modulation	11a	Test Freq. (MHz)	5580																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>42.50</td><td>54.00</td><td>-11.50</td><td>42.81</td><td>-0.31</td><td>Average</td><td>100</td><td>306</td></tr><tr><td>2</td><td>5460.00</td><td>54.05</td><td>74.00</td><td>-19.95</td><td>54.36</td><td>-0.31</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>3</td><td>5470.00</td><td>54.79</td><td>68.20</td><td>-13.41</td><td>55.07</td><td>-0.28</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>4</td><td>5725.00</td><td>56.03</td><td>68.20</td><td>-12.17</td><td>55.72</td><td>0.31</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>5</td><td>11160.00</td><td>41.65</td><td>54.00</td><td>-12.35</td><td>35.01</td><td>6.64</td><td>Average</td><td>100</td><td>52</td></tr><tr><td>6</td><td>11160.00</td><td>55.22</td><td>74.00</td><td>-18.78</td><td>48.58</td><td>6.64</td><td>Peak</td><td>100</td><td>52</td></tr><tr><td>7</td><td>16740.00</td><td>58.62</td><td>68.20</td><td>-9.58</td><td>51.64</td><td>6.98</td><td>Peak</td><td>100</td><td>128</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	42.50	54.00	-11.50	42.81	-0.31	Average	100	306	2	5460.00	54.05	74.00	-19.95	54.36	-0.31	Peak	100	306	3	5470.00	54.79	68.20	-13.41	55.07	-0.28	Peak	100	306	4	5725.00	56.03	68.20	-12.17	55.72	0.31	Peak	100	306	5	11160.00	41.65	54.00	-12.35	35.01	6.64	Average	100	52	6	11160.00	55.22	74.00	-18.78	48.58	6.64	Peak	100	52	7	16740.00	58.62	68.20	-9.58	51.64	6.98	Peak	100	128
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	11a		Test Freq. (MHz)		5580																																																																																																								
Polarization	Vertical																																																																																																												
Test By :Roger Lu-			Temperature(°C):26			Humidity(%):63																																																																																																							
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>42.14</td><td>54.00</td><td>-11.86</td><td>42.45</td><td>-0.31</td><td>Average</td><td>374</td><td>262</td></tr><tr><td>2</td><td>5460.00</td><td>53.81</td><td>74.00</td><td>-20.19</td><td>54.12</td><td>-0.31</td><td>Peak</td><td>374</td><td>262</td></tr><tr><td>3</td><td>5470.00</td><td>54.10</td><td>68.20</td><td>-14.10</td><td>54.38</td><td>-0.28</td><td>Peak</td><td>374</td><td>262</td></tr><tr><td>4</td><td>5725.00</td><td>55.43</td><td>68.20</td><td>-12.77</td><td>55.12</td><td>0.31</td><td>Peak</td><td>374</td><td>262</td></tr><tr><td>5</td><td>11160.00</td><td>41.76</td><td>54.00</td><td>-12.24</td><td>35.12</td><td>6.64</td><td>Average</td><td>100</td><td>148</td></tr><tr><td>6</td><td>11160.00</td><td>55.54</td><td>74.00</td><td>-18.46</td><td>48.90</td><td>6.64</td><td>Peak</td><td>100</td><td>148</td></tr><tr><td>7</td><td>16740.00</td><td>58.83</td><td>68.20</td><td>-9.37</td><td>51.85</td><td>6.98</td><td>Peak</td><td>100</td><td>55</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m	dB	dBuV			cm	deg	1	5460.00	42.14	54.00	-11.86	42.45	-0.31	Average	374	262	2	5460.00	53.81	74.00	-20.19	54.12	-0.31	Peak	374	262	3	5470.00	54.10	68.20	-14.10	54.38	-0.28	Peak	374	262	4	5725.00	55.43	68.20	-12.77	55.12	0.31	Peak	374	262	5	11160.00	41.76	54.00	-12.24	35.12	6.64	Average	100	148	6	11160.00	55.54	74.00	-18.46	48.90	6.64	Peak	100	148	7	16740.00	58.83	68.20	-9.37	51.85	6.98	Peak	100	55
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																				
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Modulation	11a	Test Freq. (MHz)	5700																																																		
Polarization	Horizontal																																																				
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66																																																					
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					



Modulation	11a	Test Freq. (MHz)	5700																																																		
Polarization	Vertical																																																				
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66																																																					
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					



Modulation	11a	Test Freq. (MHz)	5720																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	11a		Test Freq. (MHz)		5720				
Polarization	Vertical								
Test By :Roger Lu-			Temperature(°C):26			Humidity(%):63			
Level (dBuV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	42.15	54.00	-11.85	42.46	-0.31	Average	100	141
2	5460.00	53.63	74.00	-20.37	53.94	-0.31	Peak	100	141
3	5470.00	55.47	68.20	-12.73	55.75	-0.28	Peak	100	141
4	5850.00	57.31	68.20	-10.89	56.49	0.82	Peak	100	141
5	11440.00	42.02	54.00	-11.98	35.15	6.87	Average	100	83
6	11440.00	53.47	74.00	-20.53	46.60	6.87	Peak	100	83
7	17160.00	60.55	68.20	-7.65	54.14	6.41	Peak	100	134
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63			
Level (dBUV/m)			



Modulation	11a	Test Freq. (MHz)	5745																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>58.21</td><td>68.20</td><td>-9.99</td><td>58.31</td><td>-0.10</td><td>Peak</td><td>382</td><td>223</td></tr><tr><td>2</td><td>5700.00</td><td>59.25</td><td>105.20</td><td>-45.95</td><td>59.11</td><td>0.14</td><td>Peak</td><td>382</td><td>223</td></tr><tr><td>3</td><td>5720.00</td><td>70.26</td><td>110.80</td><td>-40.54</td><td>69.99</td><td>0.27</td><td>Peak</td><td>382</td><td>223</td></tr><tr><td>4</td><td>5725.00</td><td>74.13</td><td>122.20</td><td>-48.07</td><td>73.82</td><td>0.31</td><td>Peak</td><td>382</td><td>223</td></tr><tr><td>5</td><td>5925.00</td><td>60.33</td><td>68.20</td><td>-7.87</td><td>59.53</td><td>0.80</td><td>Peak</td><td>382</td><td>223</td></tr><tr><td>6</td><td>11490.00</td><td>42.21</td><td>54.00</td><td>-11.79</td><td>35.20</td><td>7.01</td><td>Average</td><td>100</td><td>21</td></tr><tr><td>7</td><td>11490.00</td><td>55.39</td><td>74.00</td><td>-18.61</td><td>48.38</td><td>7.01</td><td>Peak</td><td>100</td><td>21</td></tr><tr><td>8</td><td>17235.00</td><td>60.08</td><td>68.20</td><td>-8.12</td><td>53.85</td><td>6.23</td><td>Peak</td><td>100</td><td>38</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	58.21	68.20	-9.99	58.31	-0.10	Peak	382	223	2	5700.00	59.25	105.20	-45.95	59.11	0.14	Peak	382	223	3	5720.00	70.26	110.80	-40.54	69.99	0.27	Peak	382	223	4	5725.00	74.13	122.20	-48.07	73.82	0.31	Peak	382	223	5	5925.00	60.33	68.20	-7.87	59.53	0.80	Peak	382	223	6	11490.00	42.21	54.00	-11.79	35.20	7.01	Average	100	21	7	11490.00	55.39	74.00	-18.61	48.38	7.01	Peak	100	21	8	17235.00	60.08	68.20	-8.12	53.85	6.23	Peak	100	38
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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Modulation	11a	Test Freq. (MHz)	5785																																																												
Polarization	Horizontal																																																														
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																															
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	56.25	68.20	-11.95	56.35	-0.10	Peak	100	300																																																						
2	5925.00	57.56	68.20	-10.64	56.76	0.80	Peak	100	300																																																						
3	11570.00	42.36	54.00	-11.64	35.56	6.80	Average	100	55																																																						
4	11570.00	55.53	74.00	-18.47	48.73	6.80	Peak	100	55																																																						
5	17355.00	59.65	68.20	-8.55	53.30	6.35	Peak	100	121																																																						
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																															



Modulation	11a	Test Freq. (MHz)	5785																																																												
Polarization	Vertical																																																														
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																															
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	55.24	68.20	-12.96	55.34	-0.10	Peak	372	226																																																						
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Modulation	11a	Test Freq. (MHz)	5825																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
Level (dBUV/m) UNII 3-PK UNII 3-AV <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>55.69</td><td>68.20</td><td>-12.51</td><td>55.79</td><td>-0.10</td><td>Peak</td><td>100</td><td>296</td></tr><tr><td>2</td><td>5850.00</td><td>70.79</td><td>122.20</td><td>-51.41</td><td>69.97</td><td>0.82</td><td>Peak</td><td>100</td><td>296</td></tr><tr><td>3</td><td>5855.00</td><td>65.96</td><td>110.80</td><td>-44.84</td><td>65.14</td><td>0.82</td><td>Peak</td><td>100</td><td>296</td></tr><tr><td>4</td><td>5875.00</td><td>57.89</td><td>105.20</td><td>-47.31</td><td>57.06</td><td>0.83</td><td>Peak</td><td>100</td><td>296</td></tr><tr><td>5</td><td>5925.00</td><td>56.20</td><td>68.20</td><td>-12.00</td><td>55.40</td><td>0.80</td><td>Peak</td><td>100</td><td>296</td></tr><tr><td>6</td><td>11650.00</td><td>41.79</td><td>54.00</td><td>-12.21</td><td>35.41</td><td>6.38</td><td>Average</td><td>100</td><td>16</td></tr><tr><td>7</td><td>11650.00</td><td>54.78</td><td>74.00</td><td>-19.22</td><td>48.40</td><td>6.38</td><td>Peak</td><td>100</td><td>16</td></tr><tr><td>8</td><td>17475.00</td><td>60.06</td><td>68.20</td><td>-8.14</td><td>53.43</td><td>6.63</td><td>Peak</td><td>100</td><td>210</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	55.69	68.20	-12.51	55.79	-0.10	Peak	100	296	2	5850.00	70.79	122.20	-51.41	69.97	0.82	Peak	100	296	3	5855.00	65.96	110.80	-44.84	65.14	0.82	Peak	100	296	4	5875.00	57.89	105.20	-47.31	57.06	0.83	Peak	100	296	5	5925.00	56.20	68.20	-12.00	55.40	0.80	Peak	100	296	6	11650.00	41.79	54.00	-12.21	35.41	6.38	Average	100	16	7	11650.00	54.78	74.00	-19.22	48.40	6.38	Peak	100	16	8	17475.00	60.06	68.20	-8.14	53.43	6.63	Peak	100	210
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	55.69	68.20	-12.51	55.79	-0.10	Peak	100	296																																																																																				
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Modulation	11a	Test Freq. (MHz)	5825																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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Unwanted Emissions (Above 1GHz) for HT20

Modulation	HT20	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63			
Level (dBuV/m) </			

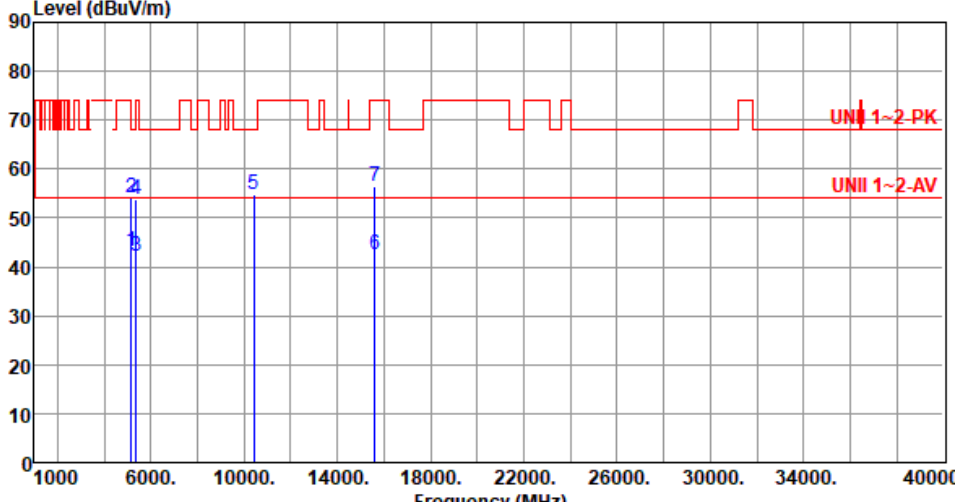


Modulation	HT20		Test Freq. (MHz)		5180																																																													
Polarization	Vertical																																																																	
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																		
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>44.73</td><td>54.00</td><td>-9.27</td><td>44.66</td><td>0.07</td><td>Average</td><td>369</td><td>258</td></tr><tr><td>2</td><td>5150.00</td><td>62.55</td><td>74.00</td><td>-11.45</td><td>62.48</td><td>0.07</td><td>Peak</td><td>369</td><td>258</td></tr><tr><td>3</td><td>10360.00</td><td>55.91</td><td>68.20</td><td>-12.29</td><td>49.15</td><td>6.76</td><td>Peak</td><td>100</td><td>56</td></tr><tr><td>4</td><td>15540.00</td><td>42.63</td><td>54.00</td><td>-11.37</td><td>39.04</td><td>3.59</td><td>Average</td><td>100</td><td>97</td></tr><tr><td>5</td><td>15540.00</td><td>55.72</td><td>74.00</td><td>-18.28</td><td>52.13</td><td>3.59</td><td>Peak</td><td>100</td><td>97</td></tr></table>								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	44.73	54.00	-9.27	44.66	0.07	Average	369	258	2	5150.00	62.55	74.00	-11.45	62.48	0.07	Peak	369	258	3	10360.00	55.91	68.20	-12.29	49.15	6.76	Peak	100	56	4	15540.00	42.63	54.00	-11.37	39.04	3.59	Average	100	97	5	15540.00	55.72	74.00	-18.28	52.13	3.59	Peak	100	97
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																									
1	5150.00	44.73	54.00	-9.27	44.66	0.07	Average	369	258																																																									
2	5150.00	62.55	74.00	-11.45	62.48	0.07	Peak	369	258																																																									
3	10360.00	55.91	68.20	-12.29	49.15	6.76	Peak	100	56																																																									
4	15540.00	42.63	54.00	-11.37	39.04	3.59	Average	100	97																																																									
5	15540.00	55.72	74.00	-18.28	52.13	3.59	Peak	100	97																																																									
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																		



Modulation	HT20		Test Freq. (MHz)		5200				
Polarization	Horizontal								
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63									
Level (dBuV/m) Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.37	54.00	-9.63	44.30	0.07	Average	100	113
2	5150.00	54.78	74.00	-19.22	54.71	0.07	Peak	100	113
3	5350.00	42.44	54.00	-11.56	43.02	-0.58	Average	100	113
4	5350.00	53.48	74.00	-20.52	54.06	-0.58	Peak	100	113
5	10400.00	54.89	68.20	-13.31	48.03	6.86	Peak	100	52
6	15600.00	42.71	54.00	-11.29	39.40	3.31	Average	100	103
7	15600.00	54.95	74.00	-19.05	51.64	3.31	Peak	100	103
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)									
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Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	HT20	Test Freq. (MHz)	5200																																																																																
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Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
Level (dBUV/m)  Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>43.09</td><td>54.00</td><td>-10.91</td><td>43.02</td><td>0.07</td><td>Average</td><td>366</td><td>242</td></tr><tr><td>2</td><td>5150.00</td><td>54.03</td><td>74.00</td><td>-19.97</td><td>53.96</td><td>0.07</td><td>Peak</td><td>366</td><td>242</td></tr><tr><td>3</td><td>5350.00</td><td>42.22</td><td>54.00</td><td>-11.78</td><td>42.80</td><td>-0.58</td><td>Average</td><td>366</td><td>242</td></tr><tr><td>4</td><td>5350.00</td><td>53.67</td><td>74.00</td><td>-20.33</td><td>54.25</td><td>-0.58</td><td>Peak</td><td>366</td><td>242</td></tr><tr><td>5</td><td>10400.00</td><td>54.67</td><td>68.20</td><td>-13.53</td><td>47.81</td><td>6.86</td><td>Peak</td><td>100</td><td>153</td></tr><tr><td>6</td><td>15600.00</td><td>42.50</td><td>54.00</td><td>-11.50</td><td>39.19</td><td>3.31</td><td>Average</td><td>100</td><td>46</td></tr><tr><td>7</td><td>15600.00</td><td>56.29</td><td>74.00</td><td>-17.71</td><td>52.98</td><td>3.31</td><td>Peak</td><td>100</td><td>46</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.09	54.00	-10.91	43.02	0.07	Average	366	242	2	5150.00	54.03	74.00	-19.97	53.96	0.07	Peak	366	242	3	5350.00	42.22	54.00	-11.78	42.80	-0.58	Average	366	242	4	5350.00	53.67	74.00	-20.33	54.25	-0.58	Peak	366	242	5	10400.00	54.67	68.20	-13.53	47.81	6.86	Peak	100	153	6	15600.00	42.50	54.00	-11.50	39.19	3.31	Average	100	46	7	15600.00	56.29	74.00	-17.71	52.98	3.31	Peak	100	46
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	HT20		Test Freq. (MHz)		5240																																																																																	
Polarization	Horizontal																																																																																					
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																						
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																													
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5	10480.00	55.63	68.20	-12.57	48.63	7.00	Peak	100	24																																																																													
6	15720.00	42.36	54.00	-11.64	38.89	3.47	Average	100	133																																																																													
7	15720.00	56.11	74.00	-17.89	52.64	3.47	Peak	100	133																																																																													
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Modulation	HT20		Test Freq. (MHz)		5240				
Polarization	Vertical								
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63									
Level (dBuV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	43.10	54.00	-10.90	43.03	0.07	Average	358	252
2	5150.00	53.32	74.00	-20.68	53.25	0.07	Peak	358	252
3	5350.00	41.76	54.00	-12.24	42.34	-0.58	Average	358	252
4	5350.00	52.79	74.00	-21.21	53.37	-0.58	Peak	358	252
5	10480.00	55.04	68.20	-13.16	48.04	7.00	Peak	100	74
6	15720.00	42.35	54.00	-11.65	38.88	3.47	Average	100	45
7	15720.00	55.33	74.00	-18.67	51.86	3.47	Peak	100	45
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)									
*Factor includes antenna factor , cable loss and amplifier gain									
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	HT20		Test Freq. (MHz)		5260																																																																																																								
Polarization	Horizontal																																																																																																												
Test By :Roger Lu-			Temperature(°C):26			Humidity(%):63																																																																																																							
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>44.02</td><td>54.00</td><td>-9.98</td><td>43.95</td><td>0.07</td><td>Average</td><td>100</td><td>113</td></tr><tr><td>2</td><td>5150.00</td><td>53.93</td><td>74.00</td><td>-20.07</td><td>53.86</td><td>0.07</td><td>Peak</td><td>100</td><td>113</td></tr><tr><td>3</td><td>5350.00</td><td>43.62</td><td>54.00</td><td>-10.38</td><td>44.20</td><td>-0.58</td><td>Average</td><td>100</td><td>113</td></tr><tr><td>4</td><td>5350.00</td><td>54.79</td><td>74.00</td><td>-19.21</td><td>55.37</td><td>-0.58</td><td>Peak</td><td>100</td><td>113</td></tr><tr><td>5</td><td>10520.00</td><td>56.05</td><td>68.20</td><td>-12.15</td><td>49.03</td><td>7.02</td><td>Peak</td><td>100</td><td>105</td></tr><tr><td>6</td><td>15780.00</td><td>42.75</td><td>54.00</td><td>-11.25</td><td>39.19</td><td>3.56</td><td>Average</td><td>100</td><td>118</td></tr><tr><td>7</td><td>15780.00</td><td>55.80</td><td>74.00</td><td>-18.20</td><td>52.24</td><td>3.56</td><td>Peak</td><td>100</td><td>118</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m	dB	dBuV			cm	deg	1	5150.00	44.02	54.00	-9.98	43.95	0.07	Average	100	113	2	5150.00	53.93	74.00	-20.07	53.86	0.07	Peak	100	113	3	5350.00	43.62	54.00	-10.38	44.20	-0.58	Average	100	113	4	5350.00	54.79	74.00	-19.21	55.37	-0.58	Peak	100	113	5	10520.00	56.05	68.20	-12.15	49.03	7.02	Peak	100	105	6	15780.00	42.75	54.00	-11.25	39.19	3.56	Average	100	118	7	15780.00	55.80	74.00	-18.20	52.24	3.56	Peak	100	118
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																				
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Modulation	HT20	Test Freq. (MHz)	5260																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																			
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	HT20	Test Freq. (MHz)	5300																																																																																										
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Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
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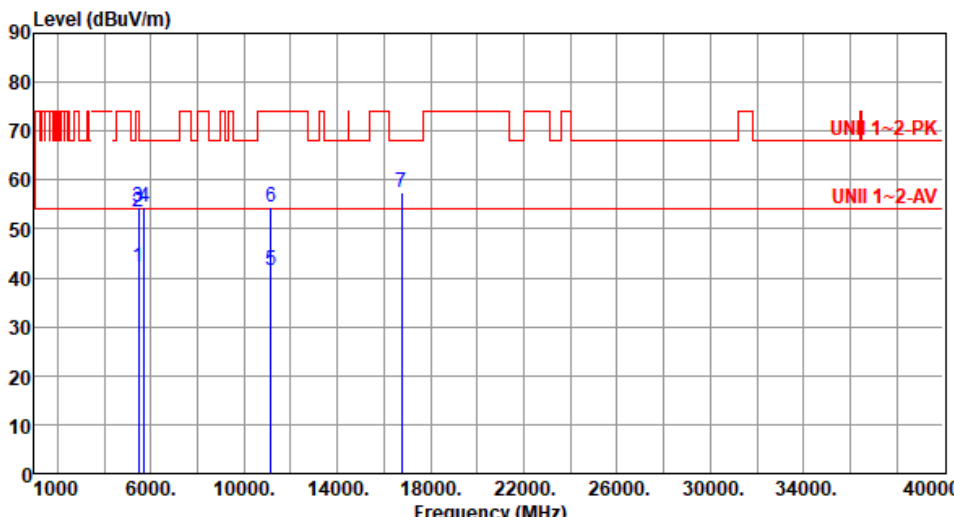


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Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>43.07</td><td>54.00</td><td>-10.93</td><td>43.38</td><td>-0.31</td><td>Average</td><td>390</td><td>251</td></tr><tr><td>2</td><td>5460.00</td><td>57.83</td><td>74.00</td><td>-16.17</td><td>58.14</td><td>-0.31</td><td>Peak</td><td>390</td><td>251</td></tr><tr><td>3</td><td>5470.00</td><td>62.43</td><td>68.20</td><td>-5.77</td><td>62.71</td><td>-0.28</td><td>Peak</td><td>390</td><td>251</td></tr><tr><td>4</td><td>11000.00</td><td>42.13</td><td>54.00</td><td>-11.87</td><td>34.79</td><td>7.34</td><td>Average</td><td>100</td><td>68</td></tr><tr><td>5</td><td>11000.00</td><td>54.72</td><td>74.00</td><td>-19.28</td><td>47.38</td><td>7.34</td><td>Peak</td><td>100</td><td>68</td></tr><tr><td>6</td><td>16500.00</td><td>57.81</td><td>68.20</td><td>-10.39</td><td>51.33</td><td>6.48</td><td>Peak</td><td>100</td><td>58</td></tr></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).								Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	43.07	54.00	-10.93	43.38	-0.31	Average	390	251	2	5460.00	57.83	74.00	-16.17	58.14	-0.31	Peak	390	251	3	5470.00	62.43	68.20	-5.77	62.71	-0.28	Peak	390	251	4	11000.00	42.13	54.00	-11.87	34.79	7.34	Average	100	68	5	11000.00	54.72	74.00	-19.28	47.38	7.34	Peak	100	68	6	16500.00	57.81	68.20	-10.39	51.33	6.48	Peak	100	58
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																			
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Modulation	HT20		Test Freq. (MHz)		5580																																																																																	
Polarization	Horizontal																																																																																					
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																						
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																													
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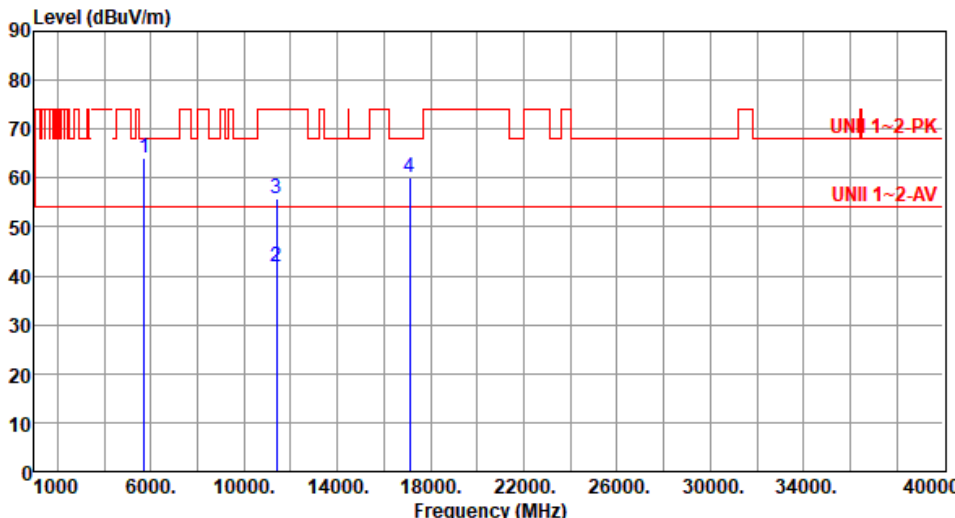


Modulation	HT20		Test Freq. (MHz)		5580																																																																																																								
Polarization	Vertical																																																																																																												
Test By :Roger Lu-			Temperature(°C):26			Humidity(%):63																																																																																																							
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>42.13</td><td>54.00</td><td>-11.87</td><td>42.44</td><td>-0.31</td><td>Average</td><td>373</td><td>255</td></tr><tr><td>2</td><td>5460.00</td><td>53.62</td><td>74.00</td><td>-20.38</td><td>53.93</td><td>-0.31</td><td>Peak</td><td>373</td><td>255</td></tr><tr><td>3</td><td>5470.00</td><td>54.54</td><td>68.20</td><td>-13.66</td><td>54.82</td><td>-0.28</td><td>Peak</td><td>373</td><td>255</td></tr><tr><td>4</td><td>5725.00</td><td>54.56</td><td>68.20</td><td>-13.64</td><td>54.25</td><td>0.31</td><td>Peak</td><td>373</td><td>255</td></tr><tr><td>5</td><td>11160.00</td><td>41.56</td><td>54.00</td><td>-12.44</td><td>34.92</td><td>6.64</td><td>Average</td><td>373</td><td>122</td></tr><tr><td>6</td><td>11160.00</td><td>54.44</td><td>74.00</td><td>-19.56</td><td>47.80</td><td>6.64</td><td>Peak</td><td>373</td><td>122</td></tr><tr><td>7</td><td>16740.00</td><td>57.50</td><td>68.20</td><td>-10.70</td><td>50.52</td><td>6.98</td><td>Peak</td><td>373</td><td>24</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	5460.00	42.13	54.00	-11.87	42.44	-0.31	Average	373	255	2	5460.00	53.62	74.00	-20.38	53.93	-0.31	Peak	373	255	3	5470.00	54.54	68.20	-13.66	54.82	-0.28	Peak	373	255	4	5725.00	54.56	68.20	-13.64	54.25	0.31	Peak	373	255	5	11160.00	41.56	54.00	-12.44	34.92	6.64	Average	373	122	6	11160.00	54.44	74.00	-19.56	47.80	6.64	Peak	373	122	7	16740.00	57.50	68.20	-10.70	50.52	6.98	Peak	373	24
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Modulation	HT20	Test Freq. (MHz)	5700																																																		
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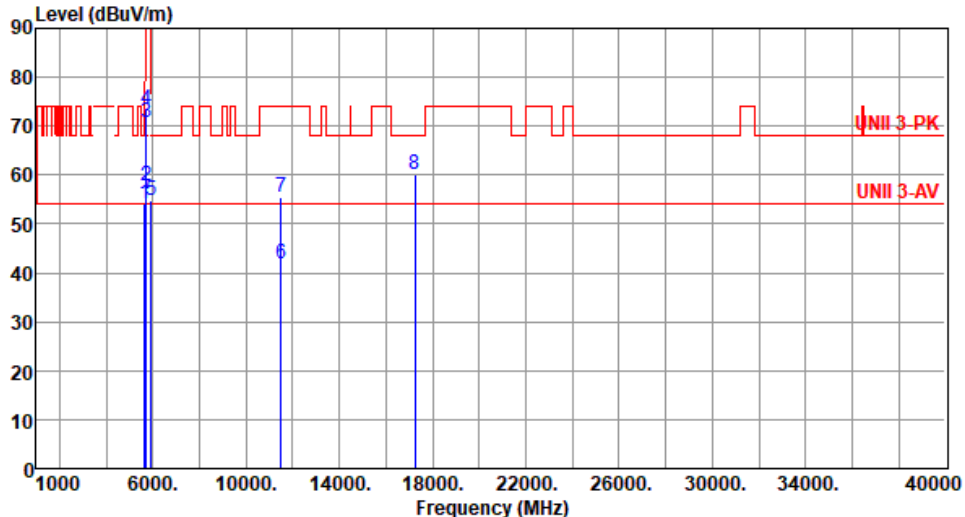


Modulation	HT20	Test Freq. (MHz)	5720																																																																																
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<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>42.61</td><td>54.00</td><td>-11.39</td><td>42.92</td><td>-0.31</td><td>Average</td><td>365</td><td>245</td></tr><tr><td>2</td><td>5460.00</td><td>54.20</td><td>74.00</td><td>-19.80</td><td>54.51</td><td>-0.31</td><td>Peak</td><td>365</td><td>245</td></tr><tr><td>3</td><td>5470.00</td><td>53.95</td><td>68.20</td><td>-14.25</td><td>54.23</td><td>-0.28</td><td>Peak</td><td>365</td><td>245</td></tr><tr><td>4</td><td>5850.00</td><td>55.22</td><td>68.20</td><td>-12.98</td><td>54.40</td><td>0.82</td><td>Peak</td><td>365</td><td>245</td></tr><tr><td>5</td><td>11440.00</td><td>42.68</td><td>54.00</td><td>-11.32</td><td>35.81</td><td>6.87</td><td>Average</td><td>100</td><td>93</td></tr><tr><td>6</td><td>11440.00</td><td>55.66</td><td>74.00</td><td>-18.34</td><td>48.79</td><td>6.87</td><td>Peak</td><td>100</td><td>93</td></tr><tr><td>7</td><td>17160.00</td><td>61.07</td><td>68.20</td><td>-7.13</td><td>54.66</td><td>6.41</td><td>Peak</td><td>100</td><td>157</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	42.61	54.00	-11.39	42.92	-0.31	Average	365	245	2	5460.00	54.20	74.00	-19.80	54.51	-0.31	Peak	365	245	3	5470.00	53.95	68.20	-14.25	54.23	-0.28	Peak	365	245	4	5850.00	55.22	68.20	-12.98	54.40	0.82	Peak	365	245	5	11440.00	42.68	54.00	-11.32	35.81	6.87	Average	100	93	6	11440.00	55.66	74.00	-18.34	48.79	6.87	Peak	100	93	7	17160.00	61.07	68.20	-7.13	54.66	6.41	Peak	100	157
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	HT20	Test Freq. (MHz)	5745																																																																																										
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Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																													
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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8	17235.00	60.12	68.20	-8.08	53.89	6.23	Peak	100	21																																																																																				
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Modulation	HT20		Test Freq. (MHz)	5745																																																																																																																			
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Test By :Roger Lu-			Temperature(°C):26			Humidity(%):63																																																																																																																	
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5650.00</td><td>54.80</td><td>68.20</td><td>-13.40</td><td>54.90</td><td>-0.10</td><td>Peak</td><td>367</td><td>254</td></tr><tr><td>2</td><td>5700.00</td><td>54.35</td><td>105.20</td><td>-50.85</td><td>54.21</td><td>0.14</td><td>Peak</td><td>367</td><td>254</td></tr><tr><td>3</td><td>5720.00</td><td>65.15</td><td>110.80</td><td>-45.65</td><td>64.88</td><td>0.27</td><td>Peak</td><td>367</td><td>254</td></tr><tr><td>4</td><td>5725.00</td><td>70.32</td><td>122.20</td><td>-51.88</td><td>70.01</td><td>0.31</td><td>Peak</td><td>367</td><td>254</td></tr><tr><td>5</td><td>5925.00</td><td>55.25</td><td>68.20</td><td>-12.95</td><td>54.45</td><td>0.80</td><td>Peak</td><td>367</td><td>254</td></tr><tr><td>6</td><td>11490.00</td><td>41.94</td><td>54.00</td><td>-12.06</td><td>34.93</td><td>7.01</td><td>Average</td><td>100</td><td>264</td></tr><tr><td>7</td><td>11490.00</td><td>55.86</td><td>74.00</td><td>-18.14</td><td>48.85</td><td>7.01</td><td>Peak</td><td>100</td><td>264</td></tr><tr><td>8</td><td>17235.00</td><td>59.08</td><td>68.20</td><td>-9.12</td><td>52.85</td><td>6.23</td><td>Peak</td><td>100</td><td>53</td></tr></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level			reading			High	Table			dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	5650.00	54.80	68.20	-13.40	54.90	-0.10	Peak	367	254	2	5700.00	54.35	105.20	-50.85	54.21	0.14	Peak	367	254	3	5720.00	65.15	110.80	-45.65	64.88	0.27	Peak	367	254	4	5725.00	70.32	122.20	-51.88	70.01	0.31	Peak	367	254	5	5925.00	55.25	68.20	-12.95	54.45	0.80	Peak	367	254	6	11490.00	41.94	54.00	-12.06	34.93	7.01	Average	100	264	7	11490.00	55.86	74.00	-18.14	48.85	7.01	Peak	100	264	8	17235.00	59.08	68.20	-9.12	52.85	6.23	Peak	100	53
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																														
	MHz	level			reading			High	Table																																																																																																														
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7	11490.00	55.86	74.00	-18.14	48.85	7.01	Peak	100	264																																																																																																														
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Modulation	HT20	Test Freq. (MHz)	5785																																																												
Polarization	Horizontal																																																														
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																															
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>55.25</td><td>68.20</td><td>-12.95</td><td>55.35</td><td>-0.10</td><td>Peak</td><td>100</td><td>311</td></tr><tr><td>2</td><td>5925.00</td><td>55.84</td><td>68.20</td><td>-12.36</td><td>55.04</td><td>0.80</td><td>Peak</td><td>100</td><td>311</td></tr><tr><td>3</td><td>11570.00</td><td>42.26</td><td>54.00</td><td>-11.74</td><td>35.46</td><td>6.80</td><td>Average</td><td>100</td><td>244</td></tr><tr><td>4</td><td>11570.00</td><td>55.88</td><td>74.00</td><td>-18.12</td><td>49.08</td><td>6.80</td><td>Peak</td><td>100</td><td>244</td></tr><tr><td>5</td><td>17355.00</td><td>59.60</td><td>68.20</td><td>-8.60</td><td>53.25</td><td>6.35</td><td>Peak</td><td>100</td><td>12</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	55.25	68.20	-12.95	55.35	-0.10	Peak	100	311	2	5925.00	55.84	68.20	-12.36	55.04	0.80	Peak	100	311	3	11570.00	42.26	54.00	-11.74	35.46	6.80	Average	100	244	4	11570.00	55.88	74.00	-18.12	49.08	6.80	Peak	100	244	5	17355.00	59.60	68.20	-8.60	53.25	6.35	Peak	100	12
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	55.25	68.20	-12.95	55.35	-0.10	Peak	100	311																																																						
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3	11570.00	42.26	54.00	-11.74	35.46	6.80	Average	100	244																																																						
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	55.44	68.20	-12.76	55.54	-0.10	Peak	362	247																																																						
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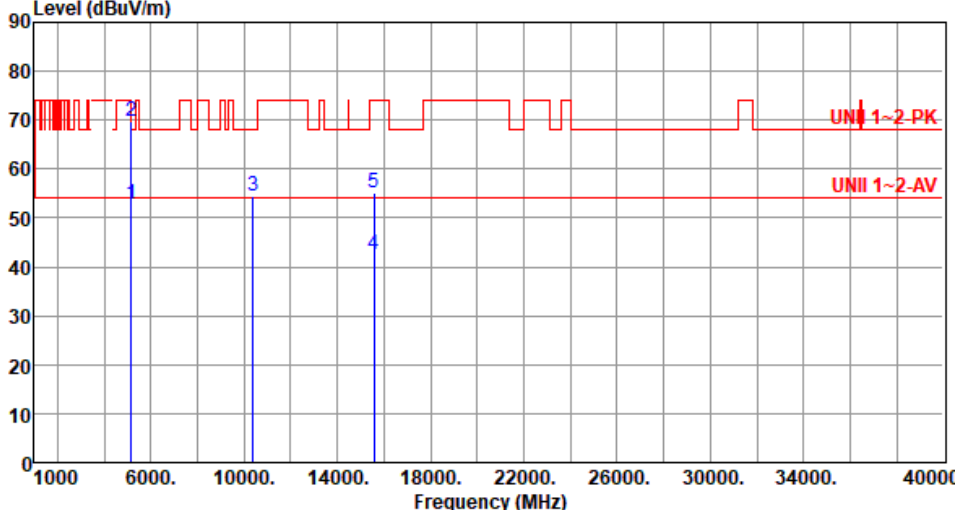
Modulation	HT20		Test Freq. (MHz)		5825																																																																																											
Polarization	Horizontal																																																																																															
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Modulation	HT20		Test Freq. (MHz)		5825																																																																																											
Polarization	Vertical																																																																																															
Test By :Roger Lu- Temperature(°C):26 Humidity(%):63																																																																																																
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Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40		Test Freq. (MHz)	5190																																																													
Polarization	Horizontal																																																																
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																	
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Modulation	ax HE40	Test Freq. (MHz)	5190																																																												
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Modulation	ax HE40	Test Freq. (MHz)	5230																																																																																
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Modulation	ax HE40		Test Freq. (MHz)		5230																																																																																	
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Modulation	ax HE40	Test Freq. (MHz)	5270																																																																																
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Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																																			
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Test By :Roger Lu-			Temperature(°C):25			Humidity(%):61																																																																																			
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Modulation	ax HE40		Test Freq. (MHz)		5310																																																																							
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1	5460.00	47.89	54.00	-6.11	48.20	-0.31	Average	100	310																																																																
2	5460.00	63.76	74.00	-10.24	64.07	-0.31	Peak	100	310																																																																
3	5470.00	67.84	68.20	-0.36	68.12	-0.28	Peak	100	310																																																																
4	11020.00	42.39	54.00	-11.61	35.14	7.25	Average	100	62																																																																
5	11020.00	55.30	74.00	-18.70	48.05	7.25	Peak	100	62																																																																
6	16530.00	59.14	68.20	-9.06	52.80	6.34	Peak	100	22																																																																
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																																									



Modulation	ax HE40	Test Freq. (MHz)	5510																																																																						
Polarization	Vertical																																																																								
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																									
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>46.03</td><td>54.00</td><td>-7.97</td><td>46.34</td><td>-0.31</td><td>Average</td><td>375</td><td>262</td></tr><tr><td>2</td><td>5460.00</td><td>58.54</td><td>74.00</td><td>-15.46</td><td>58.85</td><td>-0.31</td><td>Peak</td><td>375</td><td>262</td></tr><tr><td>3</td><td>5470.00</td><td>63.22</td><td>68.20</td><td>-4.98</td><td>63.50</td><td>-0.28</td><td>Peak</td><td>375</td><td>262</td></tr><tr><td>4</td><td>11020.00</td><td>42.02</td><td>54.00</td><td>-11.98</td><td>34.77</td><td>7.25</td><td>Average</td><td>100</td><td>128</td></tr><tr><td>5</td><td>11020.00</td><td>54.75</td><td>74.00</td><td>-19.25</td><td>47.50</td><td>7.25</td><td>Peak</td><td>100</td><td>128</td></tr><tr><td>6</td><td>16530.00</td><td>57.97</td><td>68.20</td><td>-10.23</td><td>51.63</td><td>6.34</td><td>Peak</td><td>100</td><td>46</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	46.03	54.00	-7.97	46.34	-0.31	Average	375	262	2	5460.00	58.54	74.00	-15.46	58.85	-0.31	Peak	375	262	3	5470.00	63.22	68.20	-4.98	63.50	-0.28	Peak	375	262	4	11020.00	42.02	54.00	-11.98	34.77	7.25	Average	100	128	5	11020.00	54.75	74.00	-19.25	47.50	7.25	Peak	100	128	6	16530.00	57.97	68.20	-10.23	51.63	6.34	Peak	100	46
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	5460.00	46.03	54.00	-7.97	46.34	-0.31	Average	375	262																																																																
2	5460.00	58.54	74.00	-15.46	58.85	-0.31	Peak	375	262																																																																
3	5470.00	63.22	68.20	-4.98	63.50	-0.28	Peak	375	262																																																																
4	11020.00	42.02	54.00	-11.98	34.77	7.25	Average	100	128																																																																
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Modulation	ax HE40		Test Freq. (MHz)		5590																																																																																																								
Polarization	Horizontal																																																																																																												
Test By :Roger Lu-			Temperature(°C):25			Humidity(%):61																																																																																																							
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>43.50</td><td>54.00</td><td>-10.50</td><td>43.81</td><td>-0.31</td><td>Average</td><td>100</td><td>306</td></tr><tr><td>2</td><td>5460.00</td><td>54.36</td><td>74.00</td><td>-19.64</td><td>54.67</td><td>-0.31</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>3</td><td>5470.00</td><td>55.54</td><td>68.20</td><td>-12.66</td><td>55.82</td><td>-0.28</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>4</td><td>5725.00</td><td>55.74</td><td>68.20</td><td>-12.46</td><td>55.43</td><td>0.31</td><td>Peak</td><td>100</td><td>306</td></tr><tr><td>5</td><td>11180.00</td><td>41.70</td><td>54.00</td><td>-12.30</td><td>35.15</td><td>6.55</td><td>Average</td><td>100</td><td>49</td></tr><tr><td>6</td><td>11180.00</td><td>54.17</td><td>74.00</td><td>-19.83</td><td>47.62</td><td>6.55</td><td>Peak</td><td>100</td><td>49</td></tr><tr><td>7</td><td>16770.00</td><td>57.89</td><td>68.20</td><td>-10.31</td><td>50.79</td><td>7.10</td><td>Peak</td><td>100</td><td>128</td></tr></tbody></table>											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	5460.00	43.50	54.00	-10.50	43.81	-0.31	Average	100	306	2	5460.00	54.36	74.00	-19.64	54.67	-0.31	Peak	100	306	3	5470.00	55.54	68.20	-12.66	55.82	-0.28	Peak	100	306	4	5725.00	55.74	68.20	-12.46	55.43	0.31	Peak	100	306	5	11180.00	41.70	54.00	-12.30	35.15	6.55	Average	100	49	6	11180.00	54.17	74.00	-19.83	47.62	6.55	Peak	100	49	7	16770.00	57.89	68.20	-10.31	50.79	7.10	Peak	100	128
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																				
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																				
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7	16770.00	57.89	68.20	-10.31	50.79	7.10	Peak	100	128																																																																																																				
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																													



Modulation	ax HE40		Test Freq. (MHz)		5590				
Polarization	Vertical								
Test By :Roger Lu-			Temperature(°C):25			Humidity(%):61			
Level (dBuV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	42.54	54.00	-11.46	42.85	-0.31	Average	340	256
2	5460.00	54.05	74.00	-19.95	54.36	-0.31	Peak	340	256
3	5470.00	55.13	68.20	-13.07	55.41	-0.28	Peak	340	256
4	5725.00	56.58	68.20	-11.62	56.27	0.31	Peak	340	256
5	11180.00	41.83	54.00	-12.17	35.28	6.55	Average	100	162
6	11180.00	54.61	74.00	-19.39	48.06	6.55	Peak	100	162
7	16770.00	58.49	68.20	-9.71	51.39	7.10	Peak	100	73

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	ax HE40	Test Freq. (MHz)	5670																																																		
Polarization	Horizontal																																																				
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																					
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5725.00</td><td>60.75</td><td>68.20</td><td>-7.45</td><td>60.44</td><td>0.31</td><td>Peak</td><td>100</td><td>298</td></tr><tr><td>2</td><td>11340.00</td><td>41.81</td><td>54.00</td><td>-12.19</td><td>35.20</td><td>6.61</td><td>Average</td><td>100</td><td>158</td></tr><tr><td>3</td><td>11340.00</td><td>55.80</td><td>74.00</td><td>-18.20</td><td>49.19</td><td>6.61</td><td>Peak</td><td>100</td><td>158</td></tr><tr><td>4</td><td>17010.00</td><td>58.54</td><td>68.20</td><td>-9.66</td><td>51.89</td><td>6.65</td><td>Peak</td><td>100</td><td>72</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5725.00	60.75	68.20	-7.45	60.44	0.31	Peak	100	298	2	11340.00	41.81	54.00	-12.19	35.20	6.61	Average	100	158	3	11340.00	55.80	74.00	-18.20	49.19	6.61	Peak	100	158	4	17010.00	58.54	68.20	-9.66	51.89	6.65	Peak	100	72
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
1	5725.00	60.75	68.20	-7.45	60.44	0.31	Peak	100	298																																												
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4	17010.00	58.54	68.20	-9.66	51.89	6.65	Peak	100	72																																												
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					



Modulation	ax HE40	Test Freq. (MHz)	5670																																																		
Polarization	Vertical																																																				
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																					
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5725.00</td><td>58.68</td><td>68.20</td><td>-9.52</td><td>58.37</td><td>0.31</td><td>Peak</td><td>379</td><td>250</td></tr><tr><td>2</td><td>11340.00</td><td>41.94</td><td>54.00</td><td>-12.06</td><td>35.33</td><td>6.61</td><td>Average</td><td>100</td><td>65</td></tr><tr><td>3</td><td>11340.00</td><td>55.16</td><td>74.00</td><td>-18.84</td><td>48.55</td><td>6.61</td><td>Peak</td><td>100</td><td>65</td></tr><tr><td>4</td><td>17010.00</td><td>58.71</td><td>68.20</td><td>-9.49</td><td>52.06</td><td>6.65</td><td>Peak</td><td>100</td><td>162</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5725.00	58.68	68.20	-9.52	58.37	0.31	Peak	379	250	2	11340.00	41.94	54.00	-12.06	35.33	6.61	Average	100	65	3	11340.00	55.16	74.00	-18.84	48.55	6.61	Peak	100	65	4	17010.00	58.71	68.20	-9.49	52.06	6.65	Peak	100	162
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
1	5725.00	58.68	68.20	-9.52	58.37	0.31	Peak	379	250																																												
2	11340.00	41.94	54.00	-12.06	35.33	6.61	Average	100	65																																												
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4	17010.00	58.71	68.20	-9.49	52.06	6.65	Peak	100	162																																												
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					



Modulation	ax HE40		Test Freq. (MHz)		5710				
Polarization	Horizontal								
Test By :Roger Lu-			Temperature(°C):25			Humidity(%):61			
Level (dBuV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	43.07	54.00	-10.93	43.38	-0.31	Average	278	301
2	5460.00	55.35	74.00	-18.65	55.66	-0.31	Peak	278	301
3	5470.00	55.21	68.20	-12.99	55.49	-0.28	Peak	278	301
4	5850.00	56.51	68.20	-11.69	55.69	0.82	Peak	278	301
5	11420.00	42.44	54.00	-11.56	35.61	6.83	Average	100	238
6	11420.00	55.74	74.00	-18.26	48.91	6.83	Peak	100	238
7	17130.00	62.22	68.20	-5.98	55.73	6.49	Peak	100	324
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)									
*Factor includes antenna factor , cable loss and amplifier gain									
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	ax HE40		Test Freq. (MHz)		5710																																																																																																								
Polarization	Vertical																																																																																																												
Test By :Roger Lu-			Temperature(°C):25			Humidity(%):61																																																																																																							
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>43.05</td><td>54.00</td><td>-10.95</td><td>43.36</td><td>-0.31</td><td>Average</td><td>100</td><td>153</td></tr><tr><td>2</td><td>5460.00</td><td>54.41</td><td>74.00</td><td>-19.59</td><td>54.72</td><td>-0.31</td><td>Peak</td><td>100</td><td>153</td></tr><tr><td>3</td><td>5470.00</td><td>55.18</td><td>68.20</td><td>-13.02</td><td>55.46</td><td>-0.28</td><td>Peak</td><td>100</td><td>153</td></tr><tr><td>4</td><td>5850.00</td><td>55.74</td><td>68.20</td><td>-12.46</td><td>54.92</td><td>0.82</td><td>Peak</td><td>100</td><td>153</td></tr><tr><td>5</td><td>11420.00</td><td>42.25</td><td>54.00</td><td>-11.75</td><td>35.42</td><td>6.83</td><td>Average</td><td>100</td><td>78</td></tr><tr><td>6</td><td>11420.00</td><td>55.05</td><td>74.00</td><td>-18.95</td><td>48.22</td><td>6.83</td><td>Peak</td><td>100</td><td>78</td></tr><tr><td>7</td><td>17130.00</td><td>62.82</td><td>68.20</td><td>-5.38</td><td>56.33</td><td>6.49</td><td>Peak</td><td>100</td><td>78</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m	dB	dBuV			cm	deg	1	5460.00	43.05	54.00	-10.95	43.36	-0.31	Average	100	153	2	5460.00	54.41	74.00	-19.59	54.72	-0.31	Peak	100	153	3	5470.00	55.18	68.20	-13.02	55.46	-0.28	Peak	100	153	4	5850.00	55.74	68.20	-12.46	54.92	0.82	Peak	100	153	5	11420.00	42.25	54.00	-11.75	35.42	6.83	Average	100	78	6	11420.00	55.05	74.00	-18.95	48.22	6.83	Peak	100	78	7	17130.00	62.82	68.20	-5.38	56.33	6.49	Peak	100	78
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																				
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																				
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1	5460.00	43.05	54.00	-10.95	43.36	-0.31	Average	100	153																																																																																																				
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7	17130.00	62.82	68.20	-5.38	56.33	6.49	Peak	100	78																																																																																																				



Modulation	ax HE40	Test Freq. (MHz)	5755																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																																													
Level (dBUV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>56.11</td><td>68.20</td><td>-12.09</td><td>56.21</td><td>-0.10</td><td>Peak</td><td>100</td><td>299</td></tr><tr><td>2</td><td>5700.00</td><td>60.38</td><td>105.20</td><td>-44.82</td><td>60.24</td><td>0.14</td><td>Peak</td><td>100</td><td>299</td></tr><tr><td>3</td><td>5720.00</td><td>68.87</td><td>110.80</td><td>-41.93</td><td>68.60</td><td>0.27</td><td>Peak</td><td>100</td><td>299</td></tr><tr><td>4</td><td>5725.00</td><td>69.54</td><td>122.20</td><td>-52.66</td><td>69.23</td><td>0.31</td><td>Peak</td><td>100</td><td>299</td></tr><tr><td>5</td><td>5925.00</td><td>56.61</td><td>68.20</td><td>-11.59</td><td>55.81</td><td>0.80</td><td>Peak</td><td>100</td><td>299</td></tr><tr><td>6</td><td>11510.00</td><td>42.33</td><td>54.00</td><td>-11.67</td><td>35.33</td><td>7.00</td><td>Average</td><td>100</td><td>28</td></tr><tr><td>7</td><td>11510.00</td><td>55.60</td><td>74.00</td><td>-18.40</td><td>48.60</td><td>7.00</td><td>Peak</td><td>100</td><td>28</td></tr><tr><td>8</td><td>17265.00</td><td>59.88</td><td>68.20</td><td>-8.32</td><td>53.70</td><td>6.18</td><td>Peak</td><td>100</td><td>163</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	56.11	68.20	-12.09	56.21	-0.10	Peak	100	299	2	5700.00	60.38	105.20	-44.82	60.24	0.14	Peak	100	299	3	5720.00	68.87	110.80	-41.93	68.60	0.27	Peak	100	299	4	5725.00	69.54	122.20	-52.66	69.23	0.31	Peak	100	299	5	5925.00	56.61	68.20	-11.59	55.81	0.80	Peak	100	299	6	11510.00	42.33	54.00	-11.67	35.33	7.00	Average	100	28	7	11510.00	55.60	74.00	-18.40	48.60	7.00	Peak	100	28	8	17265.00	59.88	68.20	-8.32	53.70	6.18	Peak	100	163
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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Modulation	ax HE40	Test Freq. (MHz)	5755																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																																													
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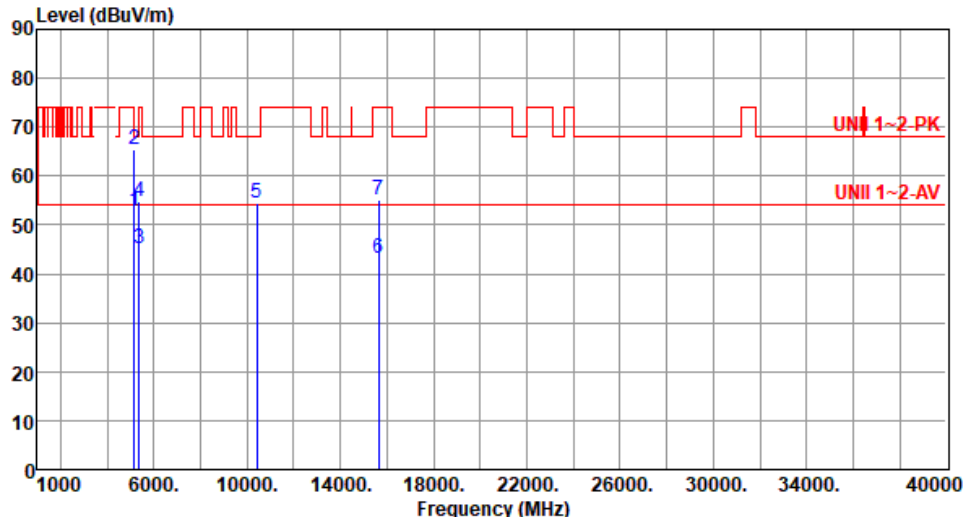


Modulation	ax HE40		Test Freq. (MHz)		5795																																																																																											
Polarization	Horizontal																																																																																															
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																																																
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Modulation	ax HE40	Test Freq. (MHz)	5795																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu- Temperature(°C):25 Humidity(%):61																																																																																													
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																																																													

Unwanted Emissions (Above 1GHz) for ax HE80

Modulation	ax HE80	Test Freq. (MHz)	5210						
Polarization	Horizontal								
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.83	54.00	-1.17	52.76	0.07	Average	100	309
2	5150.00	65.53	74.00	-8.47	65.46	0.07	Peak	100	309
3	5350.00	45.04	54.00	-8.96	45.62	-0.58	Average	100	309
4	5350.00	54.67	74.00	-19.33	55.25	-0.58	Peak	100	309
5	10420.00	54.51	68.20	-13.69	47.61	6.90	Peak	100	144
6	15630.00	43.25	54.00	-10.75	39.91	3.34	Average	100	208
7	15630.00	54.98	74.00	-19.02	51.64	3.34	Peak	100	208

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	ax HE80	Test Freq. (MHz)	5210																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66																																																																																			
Level (dBUV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>49.85</td><td>54.00</td><td>-4.15</td><td>49.78</td><td>0.07</td><td>Average</td><td>364</td><td>226</td></tr><tr><td>2</td><td>5150.00</td><td>61.95</td><td>74.00</td><td>-12.05</td><td>61.88</td><td>0.07</td><td>Peak</td><td>364</td><td>226</td></tr><tr><td>3</td><td>5350.00</td><td>43.80</td><td>54.00</td><td>-10.20</td><td>44.38</td><td>-0.58</td><td>Average</td><td>364</td><td>226</td></tr><tr><td>4</td><td>5350.00</td><td>54.01</td><td>74.00</td><td>-19.99</td><td>54.59</td><td>-0.58</td><td>Peak</td><td>364</td><td>226</td></tr><tr><td>5</td><td>10420.00</td><td>53.78</td><td>68.20</td><td>-14.42</td><td>46.88</td><td>6.90</td><td>Peak</td><td>100</td><td>127</td></tr><tr><td>6</td><td>15630.00</td><td>43.25</td><td>54.00</td><td>-10.75</td><td>39.91</td><td>3.34</td><td>Average</td><td>100</td><td>196</td></tr><tr><td>7</td><td>15630.00</td><td>56.11</td><td>74.00</td><td>-17.89</td><td>52.77</td><td>3.34</td><td>Peak</td><td>100</td><td>196</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	49.85	54.00	-4.15	49.78	0.07	Average	364	226	2	5150.00	61.95	74.00	-12.05	61.88	0.07	Peak	364	226	3	5350.00	43.80	54.00	-10.20	44.38	-0.58	Average	364	226	4	5350.00	54.01	74.00	-19.99	54.59	-0.58	Peak	364	226	5	10420.00	53.78	68.20	-14.42	46.88	6.90	Peak	100	127	6	15630.00	43.25	54.00	-10.75	39.91	3.34	Average	100	196	7	15630.00	56.11	74.00	-17.89	52.77	3.34	Peak	100	196
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Modulation	ax HE80		Test Freq. (MHz)		5290																																																																																	
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Test By :Roger Lu- Temperature(°C):26 Humidity(%):66																																																																																						
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Modulation	ax HE80		Test Freq. (MHz)		5290																																																																																																								
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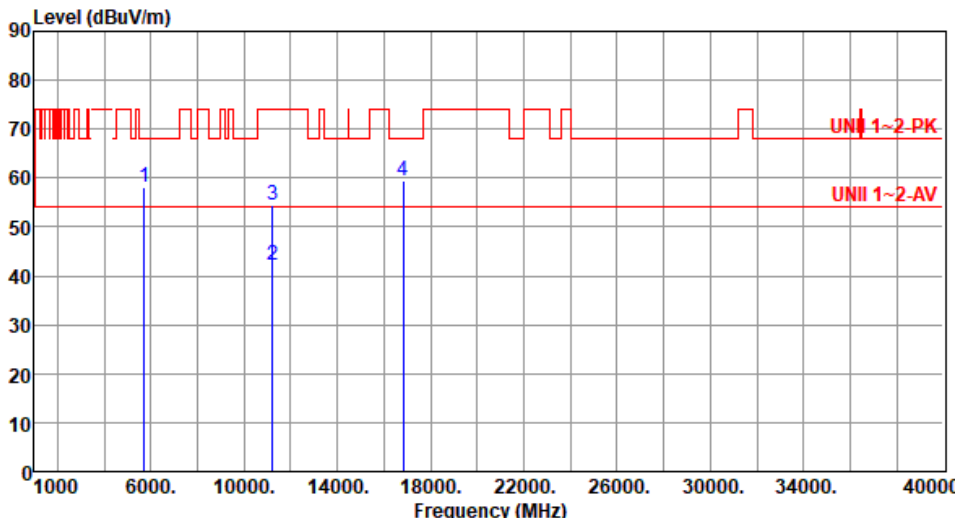


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Polarization	Horizontal																																																																														
Test By :Roger Lu-			Temperature(°C):26			Humidity(%):66																																																																									
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5725.00</td><td>56.62</td><td>68.20</td><td>-11.58</td><td>56.31</td><td>0.31</td><td>Peak</td><td>100</td><td>304</td></tr><tr><td>2</td><td>11220.00</td><td>42.61</td><td>54.00</td><td>-11.39</td><td>36.14</td><td>6.47</td><td>Average</td><td>100</td><td>124</td></tr><tr><td>3</td><td>11220.00</td><td>54.02</td><td>74.00</td><td>-19.98</td><td>47.55</td><td>6.47</td><td>Peak</td><td>100</td><td>124</td></tr><tr><td>4</td><td>16830.00</td><td>58.52</td><td>68.20</td><td>-9.68</td><td>51.37</td><td>7.15</td><td>Peak</td><td>100</td><td>58</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).											Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level			reading			High	Table			dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	5725.00	56.62	68.20	-11.58	56.31	0.31	Peak	100	304	2	11220.00	42.61	54.00	-11.39	36.14	6.47	Average	100	124	3	11220.00	54.02	74.00	-19.98	47.55	6.47	Peak	100	124	4	16830.00	58.52	68.20	-9.68	51.37	7.15	Peak	100	58
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																						
	MHz	level			reading			High	Table																																																																						
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg																																																																						
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4	16830.00	58.52	68.20	-9.68	51.37	7.15	Peak	100	58																																																																						



Modulation	ax HE80	Test Freq. (MHz)	5610						
Polarization	Vertical								
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	58.00	68.20	-10.20	57.69	0.31	Peak	382	249
2	11220.00	42.10	54.00	-11.90	35.63	6.47	Average	100	124
3	11220.00	54.39	74.00	-19.61	47.92	6.47	Peak	100	124
4	16830.00	59.39	68.20	-8.81	52.24	7.15	Peak	100	66
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	ax HE80	Test Freq. (MHz)	5690
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66			
Level (dBUV/m) <			

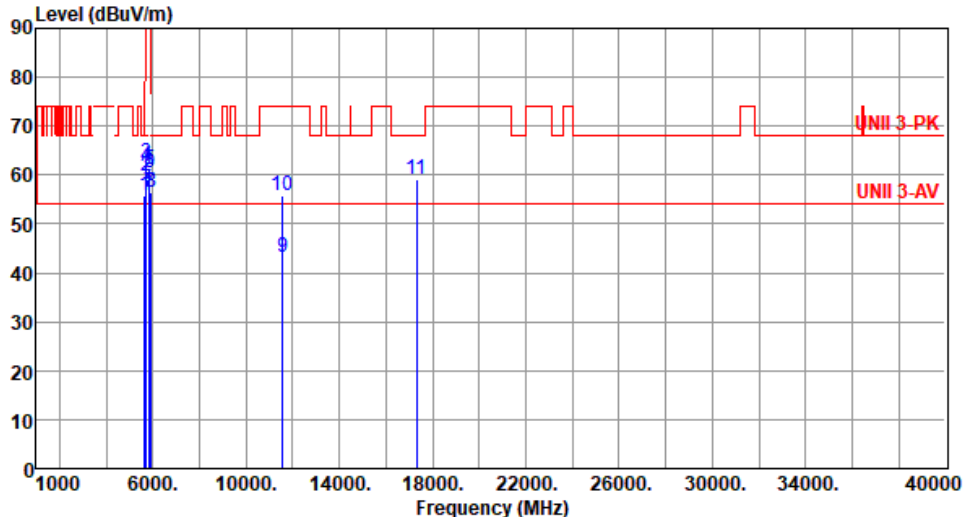


Modulation	ax HE80	Test Freq. (MHz)	5690																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66																																																																																			
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	ax HE80	Test Freq. (MHz)	5775
Polarization	Horizontal		
Test By :Roger Lu- Temperature(°C):26 Humidity(%):66			
Level (dBuV/m) <			



Modulation	ax HE80	Test Freq. (MHz)	5775																																																																																																																									
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Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	5.95	5.84	6.24	6.56
T20°CVmin	4.89	5.33	4.97	4.93
T50°CVnom	3.72	3.49	3.82	4.21
T40°CVnom	3.70	3.40	4.41	3.64
T30°CVnom	3.06	2.92	3.17	2.99
T20°CVnom	3.64	3.33	3.88	3.49
T10°CVnom	3.49	3.90	3.66	3.93
T0°CVnom	3.14	4.00	2.87	2.91
T-10°CVnom	3.35	3.45	3.80	3.18
T-20°CVnom	1.02	1.40	1.44	0.81
T-30°CVnom	0.58	0.64	0.95	0.41
Vnom [V]: 3.7	Vmax [V]: 4.255		Vmin [V]: 3.145	
Tnom [°C]: 20	Tmax [°C]: 50		Tmin [°C]: -30	

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	5.39	5.24	5.86	5.10
T20°CVmin	3.78	3.87	4.10	3.89
T50°CVnom	3.88	3.62	4.08	3.83
T40°CVnom	3.30	3.84	3.38	3.38
T30°CVnom	2.22	2.73	2.57	1.98
T20°CVnom	2.92	3.04	2.90	3.13
T10°CVnom	3.22	3.29	3.69	2.87
T0°CVnom	3.02	2.56	2.97	2.65
T-10°CVnom	2.98	3.59	3.33	3.33
T-20°CVnom	0.98	1.35	0.72	1.00
T-30°CVnom	0.61	1.07	1.17	1.13
Vnom [V]: 3.7	Vmax [V]: 4.255		Vmin [V]: 3.145	
Tnom [°C]: 20	Tmax [°C]: 50		Tmin [°C]: -30	



Test configuration 1: Cradle mode

Modulation Mode	11a	Test Freq. (MHz)	5300																																																																																																																																		
Power Phase	Line																																																																																																																																				
Test by : Joe Liao Temperature: 20°C Humidity: 63%																																																																																																																																					
Level (dBuV) Frequency (MHz) <table><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr><tr><td>1</td><td>0.240</td><td>7.40</td><td>52.08</td><td>-44.68</td><td>-2.34</td><td>9.68</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>2</td><td>0.240</td><td>32.10</td><td>62.08</td><td>-29.98</td><td>22.36</td><td>9.68</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>3</td><td>0.276</td><td>5.74</td><td>50.94</td><td>-45.20</td><td>-4.00</td><td>9.68</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>4</td><td>0.276</td><td>27.56</td><td>60.94</td><td>-33.38</td><td>17.82</td><td>9.68</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>5</td><td>0.303</td><td>5.88</td><td>50.15</td><td>-44.27</td><td>-3.85</td><td>9.67</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>6</td><td>0.303</td><td>22.96</td><td>60.15</td><td>-37.19</td><td>13.23</td><td>9.67</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>7*</td><td>19.224</td><td>38.23</td><td>50.00</td><td>-11.77</td><td>28.00</td><td>9.73</td><td>0.50</td><td>0.00</td><td>Average</td></tr><tr><td>8</td><td>19.224</td><td>43.67</td><td>60.00</td><td>-16.33</td><td>33.44</td><td>9.73</td><td>0.50</td><td>0.00</td><td>QP</td></tr><tr><td>9</td><td>24.790</td><td>24.92</td><td>50.00</td><td>-25.08</td><td>14.68</td><td>9.70</td><td>0.54</td><td>0.00</td><td>Average</td></tr><tr><td>10</td><td>24.790</td><td>29.61</td><td>60.00</td><td>-30.39</td><td>19.37</td><td>9.70</td><td>0.54</td><td>0.00</td><td>QP</td></tr><tr><td>11</td><td>25.864</td><td>26.29</td><td>50.00</td><td>-23.71</td><td>16.05</td><td>9.69</td><td>0.55</td><td>0.00</td><td>Average</td></tr><tr><td>12</td><td>25.864</td><td>30.55</td><td>60.00</td><td>-29.45</td><td>20.31</td><td>9.69</td><td>0.55</td><td>0.00</td><td>QP</td></tr></table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.240	7.40	52.08	-44.68	-2.34	9.68	0.06	0.00	Average	2	0.240	32.10	62.08	-29.98	22.36	9.68	0.06	0.00	QP	3	0.276	5.74	50.94	-45.20	-4.00	9.68	0.06	0.00	Average	4	0.276	27.56	60.94	-33.38	17.82	9.68	0.06	0.00	QP	5	0.303	5.88	50.15	-44.27	-3.85	9.67	0.06	0.00	Average	6	0.303	22.96	60.15	-37.19	13.23	9.67	0.06	0.00	QP	7*	19.224	38.23	50.00	-11.77	28.00	9.73	0.50	0.00	Average	8	19.224	43.67	60.00	-16.33	33.44	9.73	0.50	0.00	QP	9	24.790	24.92	50.00	-25.08	14.68	9.70	0.54	0.00	Average	10	24.790	29.61	60.00	-30.39	19.37	9.70	0.54	0.00	QP	11	25.864	26.29	50.00	-23.71	16.05	9.69	0.55	0.00	Average	12	25.864	30.55	60.00	-29.45	20.31	9.69	0.55	0.00	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
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7*	19.224	38.23	50.00	-11.77	28.00	9.73	0.50	0.00	Average																																																																																																																												
8	19.224	43.67	60.00	-16.33	33.44	9.73	0.50	0.00	QP																																																																																																																												
9	24.790	24.92	50.00	-25.08	14.68	9.70	0.54	0.00	Average																																																																																																																												
10	24.790	29.61	60.00	-30.39	19.37	9.70	0.54	0.00	QP																																																																																																																												
11	25.864	26.29	50.00	-23.71	16.05	9.69	0.55	0.00	Average																																																																																																																												
12	25.864	30.55	60.00	-29.45	20.31	9.69	0.55	0.00	QP																																																																																																																												
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).																																																																																																																																					



Modulation Mode	11a	Test Freq. (MHz)	5300																																																																																																																																		
Power Phase	Neutral																																																																																																																																				
Test by : Joe Liao Temperature: 20°C Humidity: 63%																																																																																																																																					
Level (dBuV) Frequency (MHz) <table><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr><tr><td>1</td><td>0.195</td><td>13.95</td><td>53.80</td><td>-39.85</td><td>4.28</td><td>9.61</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>2</td><td>0.195</td><td>29.33</td><td>63.80</td><td>-34.47</td><td>19.66</td><td>9.61</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>3</td><td>0.213</td><td>9.67</td><td>53.10</td><td>-43.43</td><td>0.00</td><td>9.61</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>4</td><td>0.213</td><td>26.64</td><td>63.10</td><td>-36.46</td><td>16.97</td><td>9.61</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>5*</td><td>19.224</td><td>33.92</td><td>50.00</td><td>-16.08</td><td>23.64</td><td>9.78</td><td>0.50</td><td>0.00</td><td>Average</td></tr><tr><td>6</td><td>19.224</td><td>40.63</td><td>60.00</td><td>-19.37</td><td>30.35</td><td>9.78</td><td>0.50</td><td>0.00</td><td>QP</td></tr><tr><td>7</td><td>22.063</td><td>26.21</td><td>50.00</td><td>-23.79</td><td>15.90</td><td>9.79</td><td>0.52</td><td>0.00</td><td>Average</td></tr><tr><td>8</td><td>22.063</td><td>31.38</td><td>60.00</td><td>-28.62</td><td>21.07</td><td>9.79</td><td>0.52</td><td>0.00</td><td>QP</td></tr><tr><td>9</td><td>24.922</td><td>24.86</td><td>50.00</td><td>-25.14</td><td>14.54</td><td>9.78</td><td>0.54</td><td>0.00</td><td>Average</td></tr><tr><td>10</td><td>24.922</td><td>29.78</td><td>60.00</td><td>-30.22</td><td>19.46</td><td>9.78</td><td>0.54</td><td>0.00</td><td>QP</td></tr><tr><td>11</td><td>26.001</td><td>25.16</td><td>50.00</td><td>-24.84</td><td>14.82</td><td>9.78</td><td>0.56</td><td>0.00</td><td>Average</td></tr><tr><td>12</td><td>26.001</td><td>29.32</td><td>60.00</td><td>-30.68</td><td>18.98</td><td>9.78</td><td>0.56</td><td>0.00</td><td>QP</td></tr></table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.195	13.95	53.80	-39.85	4.28	9.61	0.06	0.00	Average	2	0.195	29.33	63.80	-34.47	19.66	9.61	0.06	0.00	QP	3	0.213	9.67	53.10	-43.43	0.00	9.61	0.06	0.00	Average	4	0.213	26.64	63.10	-36.46	16.97	9.61	0.06	0.00	QP	5*	19.224	33.92	50.00	-16.08	23.64	9.78	0.50	0.00	Average	6	19.224	40.63	60.00	-19.37	30.35	9.78	0.50	0.00	QP	7	22.063	26.21	50.00	-23.79	15.90	9.79	0.52	0.00	Average	8	22.063	31.38	60.00	-28.62	21.07	9.79	0.52	0.00	QP	9	24.922	24.86	50.00	-25.14	14.54	9.78	0.54	0.00	Average	10	24.922	29.78	60.00	-30.22	19.46	9.78	0.54	0.00	QP	11	26.001	25.16	50.00	-24.84	14.82	9.78	0.56	0.00	Average	12	26.001	29.32	60.00	-30.68	18.98	9.78	0.56	0.00	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
1	0.195	13.95	53.80	-39.85	4.28	9.61	0.06	0.00	Average																																																																																																																												
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3	0.213	9.67	53.10	-43.43	0.00	9.61	0.06	0.00	Average																																																																																																																												
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11	26.001	25.16	50.00	-24.84	14.82	9.78	0.56	0.00	Average																																																																																																																												
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Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).																																																																																																																																					



Modulation Mode	11a	Test Freq. (MHz)	5785																																																																																																																																		
Power Phase	Line																																																																																																																																				
Test by : Joe Liao Temperature: 20°C Humidity: 63%																																																																																																																																					
Level (dBuV) Frequency (MHz) <table><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr><tr><td>1</td><td>0.168</td><td>11.04</td><td>55.08</td><td>-44.04</td><td>1.30</td><td>9.68</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>2</td><td>0.168</td><td>38.55</td><td>65.08</td><td>-26.53</td><td>28.81</td><td>9.68</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>3</td><td>0.195</td><td>13.82</td><td>53.80</td><td>-39.98</td><td>4.08</td><td>9.68</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>4</td><td>0.195</td><td>34.78</td><td>63.80</td><td>-29.02</td><td>25.04</td><td>9.68</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>5</td><td>0.230</td><td>6.92</td><td>52.44</td><td>-45.52</td><td>-2.82</td><td>9.68</td><td>0.06</td><td>0.00</td><td>Average</td></tr><tr><td>6</td><td>0.230</td><td>30.55</td><td>62.44</td><td>-31.89</td><td>20.81</td><td>9.68</td><td>0.06</td><td>0.00</td><td>QP</td></tr><tr><td>7*</td><td>19.326</td><td>38.27</td><td>50.00</td><td>-11.73</td><td>28.04</td><td>9.73</td><td>0.50</td><td>0.00</td><td>Average</td></tr><tr><td>8</td><td>19.326</td><td>43.13</td><td>60.00</td><td>-16.87</td><td>32.90</td><td>9.73</td><td>0.50</td><td>0.00</td><td>QP</td></tr><tr><td>9</td><td>21.035</td><td>22.78</td><td>50.00</td><td>-27.22</td><td>12.54</td><td>9.72</td><td>0.52</td><td>0.00</td><td>Average</td></tr><tr><td>10</td><td>21.035</td><td>29.21</td><td>60.00</td><td>-30.79</td><td>18.97</td><td>9.72</td><td>0.52</td><td>0.00</td><td>QP</td></tr><tr><td>11</td><td>24.922</td><td>26.01</td><td>50.00</td><td>-23.99</td><td>15.77</td><td>9.70</td><td>0.54</td><td>0.00</td><td>Average</td></tr><tr><td>12</td><td>24.922</td><td>30.51</td><td>60.00</td><td>-29.49</td><td>20.27</td><td>9.70</td><td>0.54</td><td>0.00</td><td>QP</td></tr></table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.168	11.04	55.08	-44.04	1.30	9.68	0.06	0.00	Average	2	0.168	38.55	65.08	-26.53	28.81	9.68	0.06	0.00	QP	3	0.195	13.82	53.80	-39.98	4.08	9.68	0.06	0.00	Average	4	0.195	34.78	63.80	-29.02	25.04	9.68	0.06	0.00	QP	5	0.230	6.92	52.44	-45.52	-2.82	9.68	0.06	0.00	Average	6	0.230	30.55	62.44	-31.89	20.81	9.68	0.06	0.00	QP	7*	19.326	38.27	50.00	-11.73	28.04	9.73	0.50	0.00	Average	8	19.326	43.13	60.00	-16.87	32.90	9.73	0.50	0.00	QP	9	21.035	22.78	50.00	-27.22	12.54	9.72	0.52	0.00	Average	10	21.035	29.21	60.00	-30.79	18.97	9.72	0.52	0.00	QP	11	24.922	26.01	50.00	-23.99	15.77	9.70	0.54	0.00	Average	12	24.922	30.51	60.00	-29.49	20.27	9.70	0.54	0.00	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
1	0.168	11.04	55.08	-44.04	1.30	9.68	0.06	0.00	Average																																																																																																																												
2	0.168	38.55	65.08	-26.53	28.81	9.68	0.06	0.00	QP																																																																																																																												
3	0.195	13.82	53.80	-39.98	4.08	9.68	0.06	0.00	Average																																																																																																																												
4	0.195	34.78	63.80	-29.02	25.04	9.68	0.06	0.00	QP																																																																																																																												
5	0.230	6.92	52.44	-45.52	-2.82	9.68	0.06	0.00	Average																																																																																																																												
6	0.230	30.55	62.44	-31.89	20.81	9.68	0.06	0.00	QP																																																																																																																												
7*	19.326	38.27	50.00	-11.73	28.04	9.73	0.50	0.00	Average																																																																																																																												
8	19.326	43.13	60.00	-16.87	32.90	9.73	0.50	0.00	QP																																																																																																																												
9	21.035	22.78	50.00	-27.22	12.54	9.72	0.52	0.00	Average																																																																																																																												
10	21.035	29.21	60.00	-30.79	18.97	9.72	0.52	0.00	QP																																																																																																																												
11	24.922	26.01	50.00	-23.99	15.77	9.70	0.54	0.00	Average																																																																																																																												
12	24.922	30.51	60.00	-29.49	20.27	9.70	0.54	0.00	QP																																																																																																																												
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).																																																																																																																																					

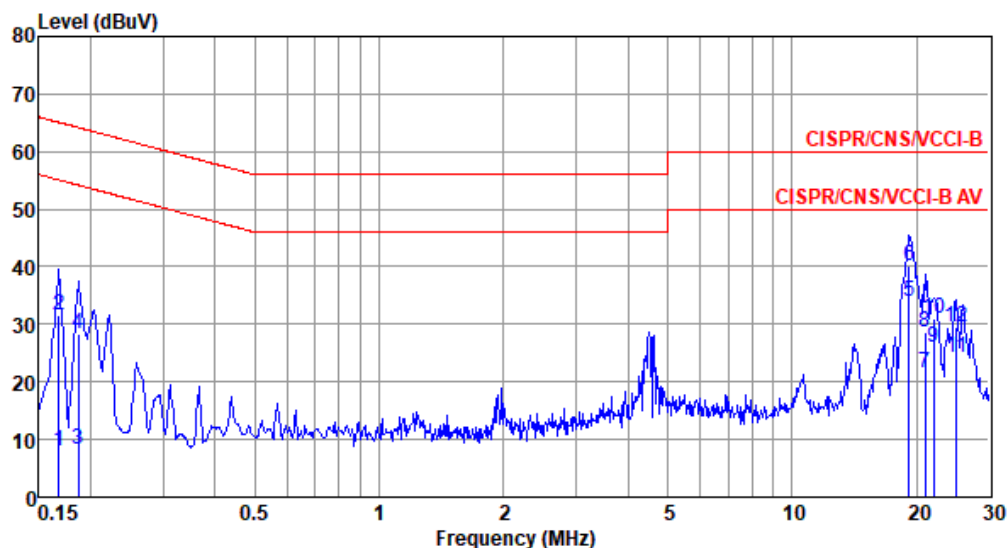


Modulation Mode	11a	Test Freq. (MHz)	5785
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 20°C

Humidity: 63%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	8.00	55.08	-47.08	-1.67	9.61	0.06	0.00	Average
2	0.168	31.45	65.08	-33.63	21.78	9.61	0.06	0.00	QP
3	0.186	8.19	54.20	-46.01	-1.48	9.61	0.06	0.00	Average
4	0.186	28.21	64.20	-35.99	18.54	9.61	0.06	0.00	QP
5*	19.224	33.87	50.00	-16.13	23.59	9.78	0.50	0.00	Average
6	19.224	40.03	60.00	-19.97	29.75	9.78	0.50	0.00	QP
7	21.035	21.55	50.00	-28.45	11.24	9.79	0.52	0.00	Average
8	21.035	28.61	60.00	-31.39	18.30	9.79	0.52	0.00	QP
9	22.063	26.04	50.00	-23.96	15.73	9.79	0.52	0.00	Average
10	22.063	30.99	60.00	-29.01	20.68	9.79	0.52	0.00	QP
11	25.055	24.19	50.00	-25.81	13.87	9.78	0.54	0.00	Average
12	25.055	29.38	60.00	-30.62	19.06	9.78	0.54	0.00	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

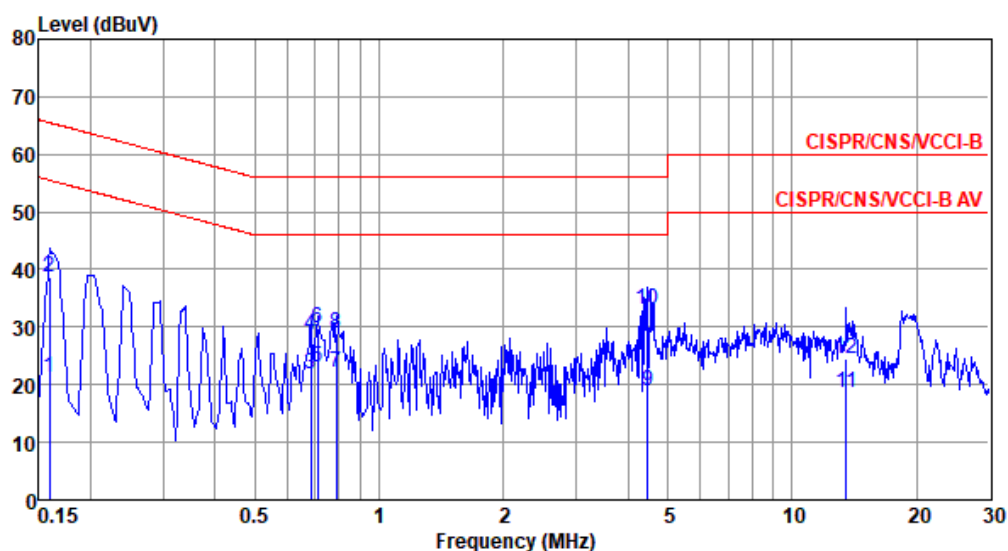
Test configuration 2: Adapter mode

Modulation Mode	11a	Test Freq. (MHz)	5300
Power Phase	Line		

Test by : Joe Liao

Temperature: 21°C

Humidity: 64%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.159	21.13	55.52	-34.39	11.21	9.68	0.06	0.18	Average
2	0.159	38.78	65.52	-26.74	28.86	9.68	0.06	0.18	QP
3	0.683	21.90	46.00	-24.10	11.81	9.68	0.09	0.32	Average
4	0.683	28.76	56.00	-27.24	18.67	9.68	0.09	0.32	QP
5	0.708	22.93	46.00	-23.07	12.84	9.68	0.09	0.32	Average
6	0.708	29.76	56.00	-26.24	19.67	9.68	0.09	0.32	QP
7	0.788	22.15	46.00	-23.85	12.05	9.68	0.10	0.32	Average
8	0.788	28.83	56.00	-27.17	18.73	9.68	0.10	0.32	QP
9	4.478	18.90	46.00	-27.10	8.58	9.70	0.20	0.42	Average
10*	4.478	33.09	56.00	-22.91	22.77	9.70	0.20	0.42	QP
11	13.551	18.70	50.00	-31.30	8.06	9.74	0.42	0.48	Average
12	13.551	24.62	60.00	-35.38	13.98	9.74	0.42	0.48	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

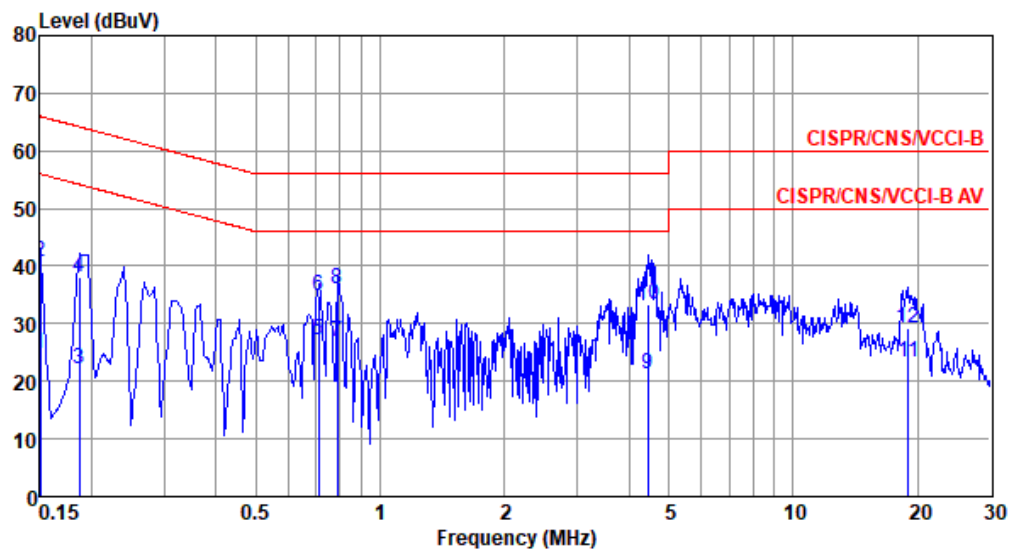


Modulation Mode	11a	Test Freq. (MHz)	5300
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 21°C

Humidity: 64%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.150	24.75	56.00	-31.25	14.90	9.61	0.06	0.18	Average
2	0.150	40.61	66.00	-25.39	30.76	9.61	0.06	0.18	QP
3	0.186	22.15	54.20	-32.05	12.29	9.61	0.06	0.19	Average
4	0.186	38.03	64.20	-26.17	28.17	9.61	0.06	0.19	QP
5*	0.708	27.14	46.00	-18.86	17.12	9.61	0.09	0.32	Average
6	0.708	34.92	56.00	-21.08	24.90	9.61	0.09	0.32	QP
7	0.788	26.97	46.00	-19.03	16.94	9.61	0.10	0.32	Average
8	0.788	35.93	56.00	-20.07	25.90	9.61	0.10	0.32	QP
9	4.454	21.22	46.00	-24.78	10.95	9.65	0.20	0.42	Average
10	4.454	33.24	56.00	-22.76	22.97	9.65	0.20	0.42	QP
11	19.021	23.25	50.00	-26.75	12.46	9.78	0.50	0.51	Average
12	19.021	29.37	60.00	-30.63	18.58	9.78	0.50	0.51	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

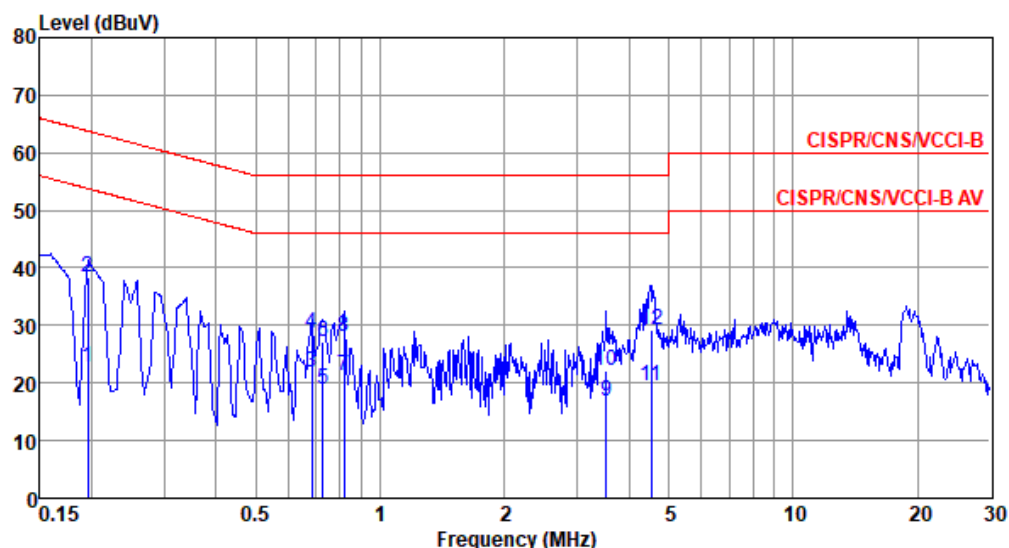


Modulation Mode	11a	Test Freq. (MHz)	5785
Power Phase	Line		

Test by : Joe Liao

Temperature: 21°C

Humidity: 64%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.195	22.67	53.80	-31.13	12.74	9.68	0.06	0.19	Average
2	0.195	38.51	63.80	-25.29	28.58	9.68	0.06	0.19	QP
3*	0.683	21.97	46.00	-24.03	11.88	9.68	0.09	0.32	Average
4	0.683	28.70	56.00	-27.30	18.61	9.68	0.09	0.32	QP
5	0.727	18.80	46.00	-27.20	8.71	9.68	0.09	0.32	Average
6	0.727	27.10	56.00	-28.90	17.01	9.68	0.09	0.32	QP
7	0.817	21.15	46.00	-24.85	11.05	9.68	0.10	0.32	Average
8	0.817	28.07	56.00	-27.93	17.97	9.68	0.10	0.32	QP
9	3.528	16.72	46.00	-29.28	6.44	9.70	0.17	0.41	Average
10	3.528	22.22	56.00	-33.78	11.94	9.70	0.17	0.41	QP
11	4.525	19.55	46.00	-26.45	9.22	9.71	0.20	0.42	Average
12	4.525	29.35	56.00	-26.65	19.02	9.71	0.20	0.42	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBUV) - Limit Line (dBUV).

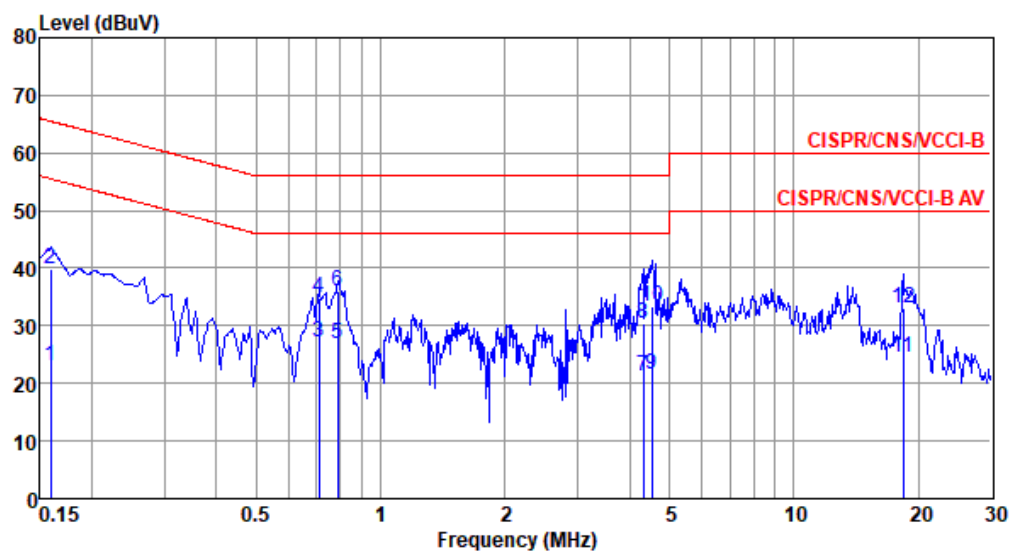


Modulation Mode	11a	Test Freq. (MHz)	5785
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 21°C

Humidity: 64%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.159	23.13	55.52	-32.39	13.28	9.61	0.06	0.18	Average
2	0.159	39.77	65.52	-25.75	29.92	9.61	0.06	0.18	QP
3*	0.708	27.17	46.00	-18.83	17.15	9.61	0.09	0.32	Average
4	0.708	34.98	56.00	-21.02	24.96	9.61	0.09	0.32	QP
5	0.788	26.98	46.00	-19.02	16.95	9.61	0.10	0.32	Average
6	0.788	35.95	56.00	-20.05	25.92	9.61	0.10	0.32	QP
7	4.315	21.14	46.00	-24.86	10.89	9.64	0.19	0.42	Average
8	4.315	30.38	56.00	-25.62	20.13	9.64	0.19	0.42	QP
9	4.525	21.69	46.00	-24.31	11.42	9.65	0.20	0.42	Average
10	4.525	33.31	56.00	-22.69	23.04	9.65	0.20	0.42	QP
11	18.426	24.48	50.00	-25.52	13.70	9.78	0.49	0.51	Average
12	18.426	33.03	60.00	-26.97	22.25	9.78	0.49	0.51	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).