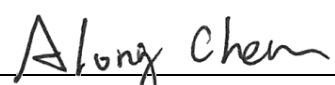


FCC Test Report

FCC ID : QVHDBWIFIBLE05
Equipment : 802.11 abgn + BLE 5.0 module
Model No. : DBWIFIBLE05
Brand Name : Dyson
Applicant : Dyson Technology Ltd
Address : Tetbury Hill Malmesbury Wiltshire SN16 0RP
United Kingdom
Standard : 47 CFR FCC Part 15.407
Received Date : May 30, 2022
Tested Date : Jun. 08 ~ Jun. 15, 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:


Along Chen / Assistant Manager

Approved by:

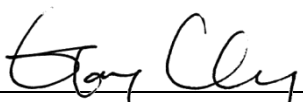

Gary Chang / Manager

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Appendix A. Emission Bandwidth

Appendix B. Conducted Output Power

Appendix C. Power Spectral Density

Appendix D. Unwanted Emissions

Appendix E. Frequency Stability

Appendix F. AC Power Line Conducted Emissions

Release Record

Report No.	Version	Description	Issued Date
FR253002AN	Rev. 01	Initial issue	May. 05, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 2.225MHz 26.93 (Margin -19.07dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 16740.00MHz 64.95 (Margin -3.25dB) - 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: 20.81 5250~5350MHz: 19.75 5470~5725MHz: 21.24 5725~5850MHz: 19.02	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
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: TPC function is not supported.					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
					2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
1	Dyson	ANT2_1370X950	PIFA	No	2.12	2.59	2.62	2.79	3.44

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host
-------------------	------------------

1.1.4 Accessories

N/A

1.1.5 Channel List

802.11a / n HT20	
Channel	Frequency(MHz)
36	5180
40	5200
44	5220
48	5240
52	5260
56	5280
60	5300
64	5320
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700
144	5720
149	5745
153	5765
157	5785
161	5805
165	5825

1.1.6 Test Tool and Duty Cycle

Test Tool	Tera Term, Version: 4.89		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	85.04%	0.70
	HT20	84.06%	0.75

1.1.7 Power Index of Test Tool

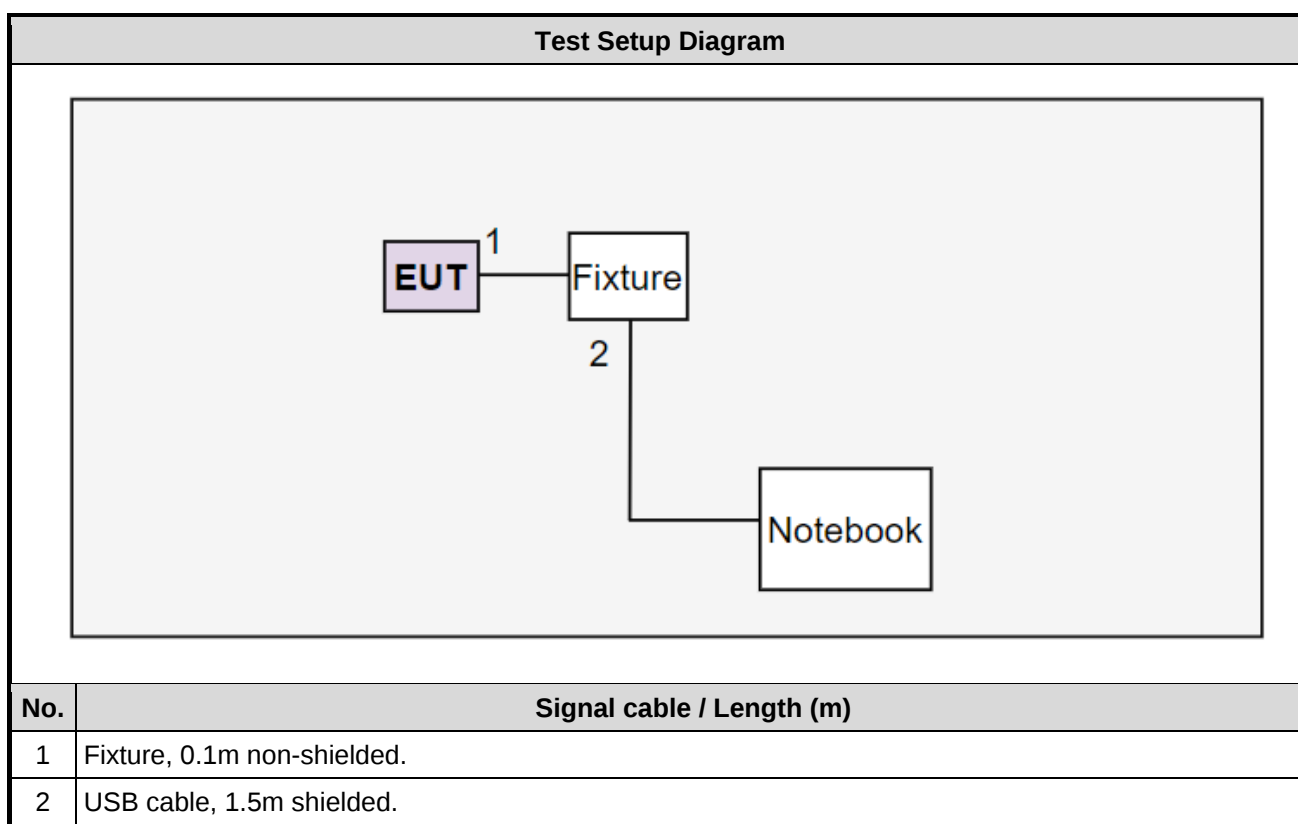
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	15.5
11a	5200	19.5
11a	5240	17.5
11a	5260	17
11a	5300	19
11a	5320	16
11a	5500	13
11a	5580	20
11a	5700	16
11a	5745	19
11a	5785	19.5
11a	5825	19
HT20	5180	16
HT20	5200	19.5
HT20	5240	17.5
HT20	5260	17.5
HT20	5300	19
HT20	5320	16
HT20	5500	12.5
HT20	5580	20
HT20	5700	15
HT20	5745	19
HT20	5785	19.5
HT20	5825	19

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5720	19
HT20	5720	19

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude 5400	DoC	---
2	Fixture	WNC	48DHSK07.SGA	---	Provided by applicant.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Jun. 15, 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	Schwarzbeck 8127	8127667	Jan. 07, 2022	Jan. 06, 2023
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	01	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	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Jun. 08 ~ Jun. 10, 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	Jun. 30, 2021	Jun. 29, 2022
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 9170508	Jan. 11, 2022	Jan. 10, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 28, 2021	Sep. 27, 2022
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Jun. 15, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
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	GTH-150-40-CP-AR-T	MAA1407-012	Sep. 08, 2021	Sep. 07, 2022
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 03, 2021	Dec. 02, 2022
Measurement Software	Sporton	SENSE-15407_NII	V5.10.7.20	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
- ISSED#: 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	5580	6 Mbps	---
Unwanted Emissions ≤1GHz	11a	5580	6 Mbps	---
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	---
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
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	---
Unwanted Emissions ≤1GHz	11a	5785	6 Mbps	---
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth 6dB bandwidth Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	---
	HT20	5745 / 5785 / 5825	MCS 0	
Frequency Stability	Un-modulation	5785	---	---
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.				

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.

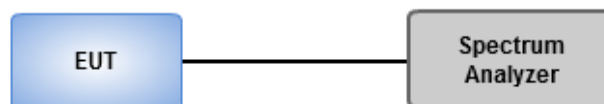
Occupied Bandwidth

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°C / 64%	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 EIRP < = 500 mW *TPC mechanism is not supported.
☒	5470 ~ 5725	Conducted Power: 250mW or 11dBm+10 log B EIRP < = 500 mW *TPC mechanism is not supported.
☒	5725 ~ 5850	Conducted Power: 1 W
Note: "B" is the 26dB emission bandwidth in MHz.		

3.2.2 Test Procedures

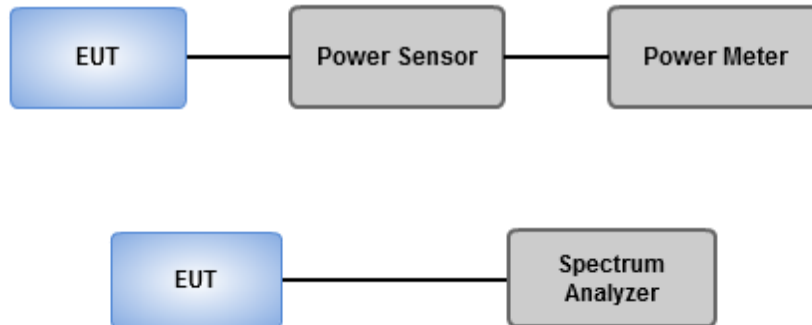
Method PM-G (Measurement using a gated RF average power meter)

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°C / 64%	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 $\geq 10 * (\text{number of points in sweep}) * (\text{total on/off period of the transmitted signal})$.
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

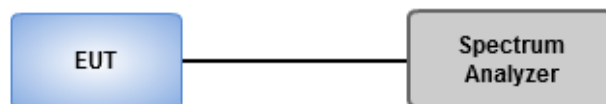
Duty cycle $\geq 98\%$

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 $\geq 10 * (\text{number of points in sweep}) * (\text{total on/off period of the transmitted signal})$.
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°C / 64%	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

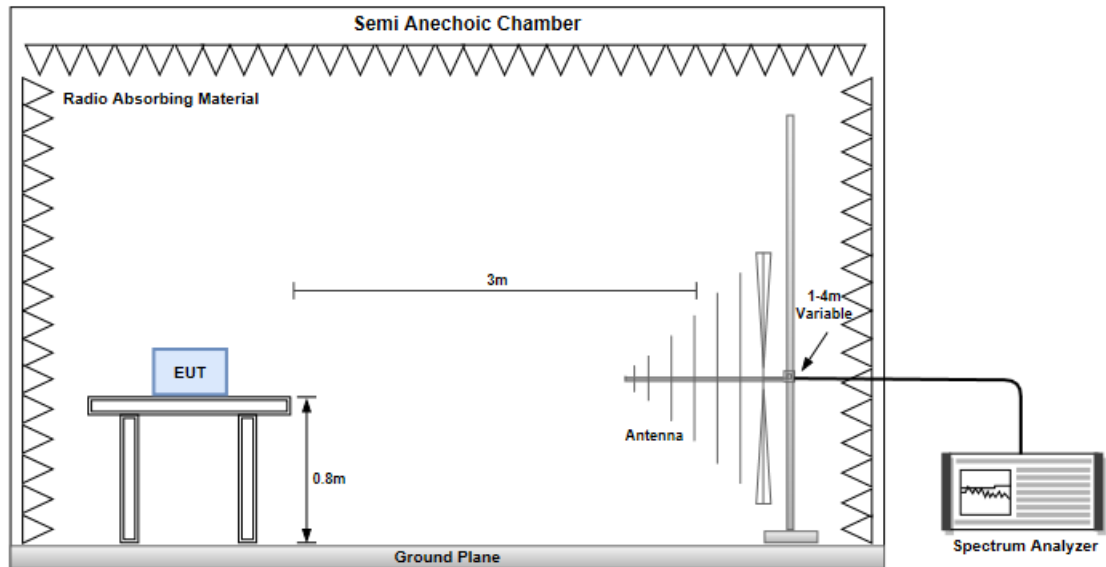
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

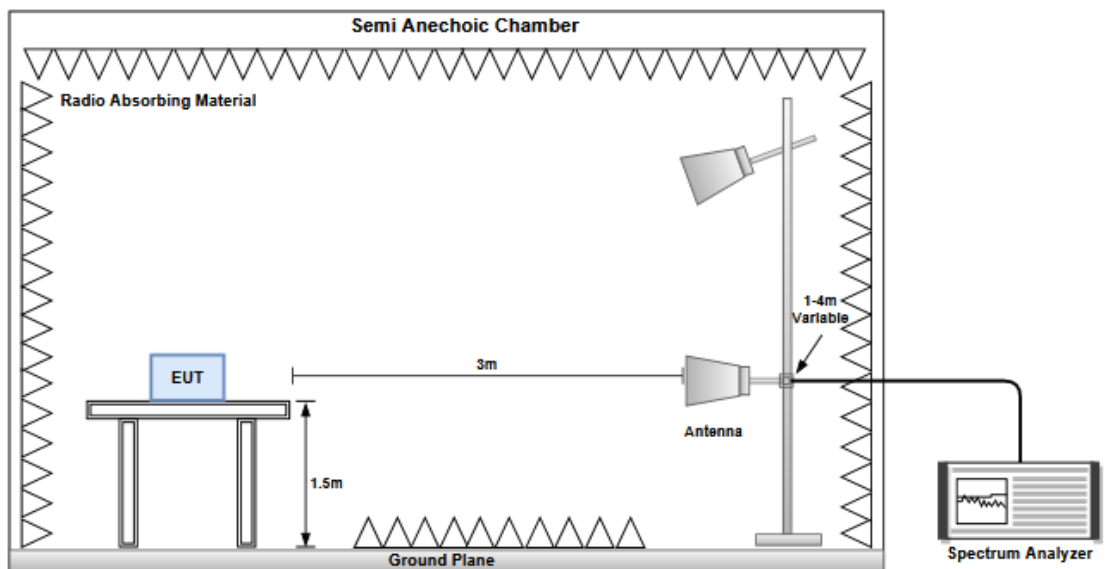
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

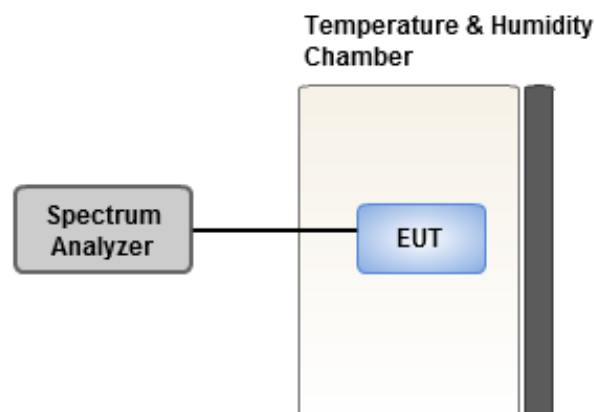
3.5.1 Limit of Frequency Stability

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°C / 64%	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

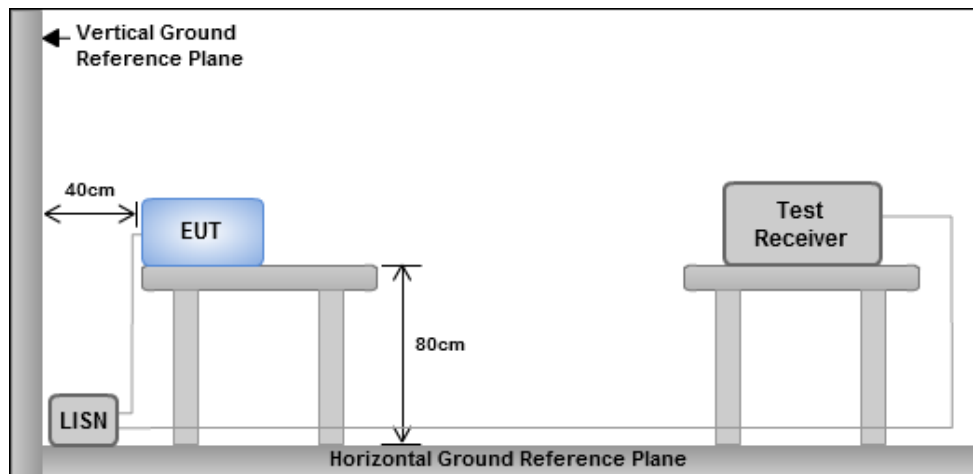
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

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(R.O.C.)

Kwei Shan

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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
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Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

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

Tel: 886-3-271-8666

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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	34.14M	17.991M	18M0D1D	20.34M	16.852M
802.11n HT20_Nss1,(MCS0)_1TX	29.79M	18.051M	18M1D1D	20.46M	17.691M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	26.88M	17.001M	17M0D1D	20.22M	16.792M
802.11n HT20_Nss1,(MCS0)_1TX	27.48M	17.931M	17M9D1D	20.76M	17.721M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	30.24M	17.751M	17M8D1D	19.35M	13.583M
802.11n HT20_Nss1,(MCS0)_1TX	35.49M	18.801M	18M8D1D	16.74M	14.018M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.09M	16.912M	16M9D1D	3.12M	5.837M
802.11n HT20_Nss1,(MCS0)_1TX	15.12M	17.841M	17M8D1D	3.36M	5.617M

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	22.62M	16.912M
5200MHz	Pass	Inf	34.14M	17.991M
5240MHz	Pass	Inf	20.34M	16.852M
5260MHz	Pass	Inf	20.22M	16.822M
5300MHz	Pass	Inf	26.88M	17.001M
5320MHz	Pass	Inf	20.25M	16.792M
5500MHz	Pass	Inf	20.01M	16.732M
5580MHz	Pass	Inf	30.24M	17.751M
5700MHz	Pass	Inf	20.37M	16.732M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.35M	13.583M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	5.837M
5745MHz	Pass	500k	15.09M	16.852M
5785MHz	Pass	500k	15.06M	16.912M
5825MHz	Pass	500k	15.03M	16.852M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.46M	17.691M
5200MHz	Pass	Inf	29.79M	18.051M
5240MHz	Pass	Inf	23.1M	17.781M
5260MHz	Pass	Inf	23.22M	17.811M
5300MHz	Pass	Inf	27.48M	17.931M
5320MHz	Pass	Inf	20.76M	17.721M
5500MHz	Pass	Inf	20.37M	17.631M
5580MHz	Pass	Inf	35.49M	18.801M
5700MHz	Pass	Inf	20.28M	17.691M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.74M	14.018M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.36M	5.617M
5745MHz	Pass	500k	15.06M	17.781M
5785MHz	Pass	500k	15.12M	17.841M
5825MHz	Pass	500k	15.03M	17.781M

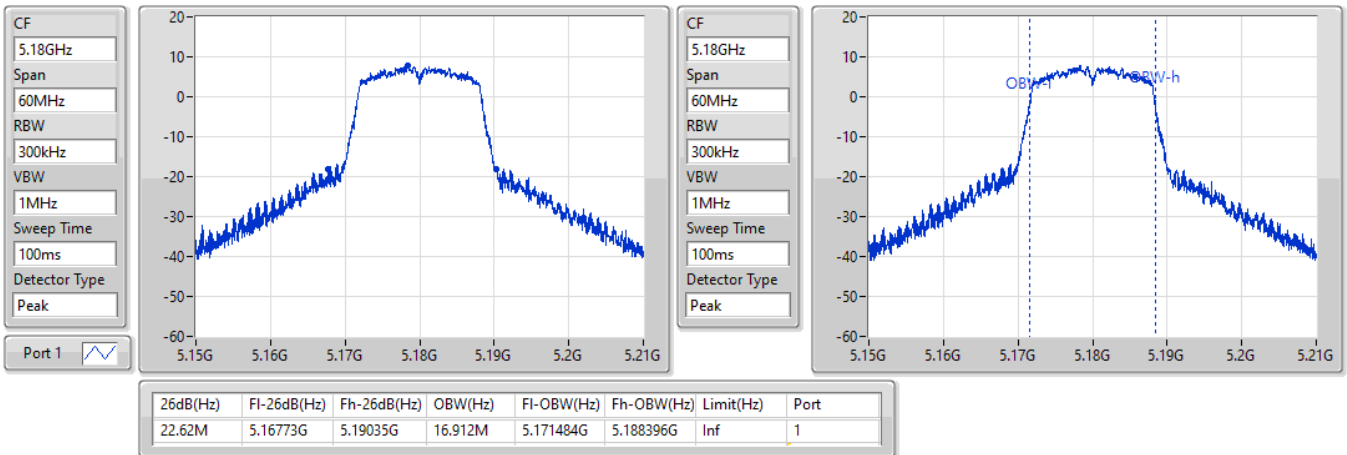
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX

EBW

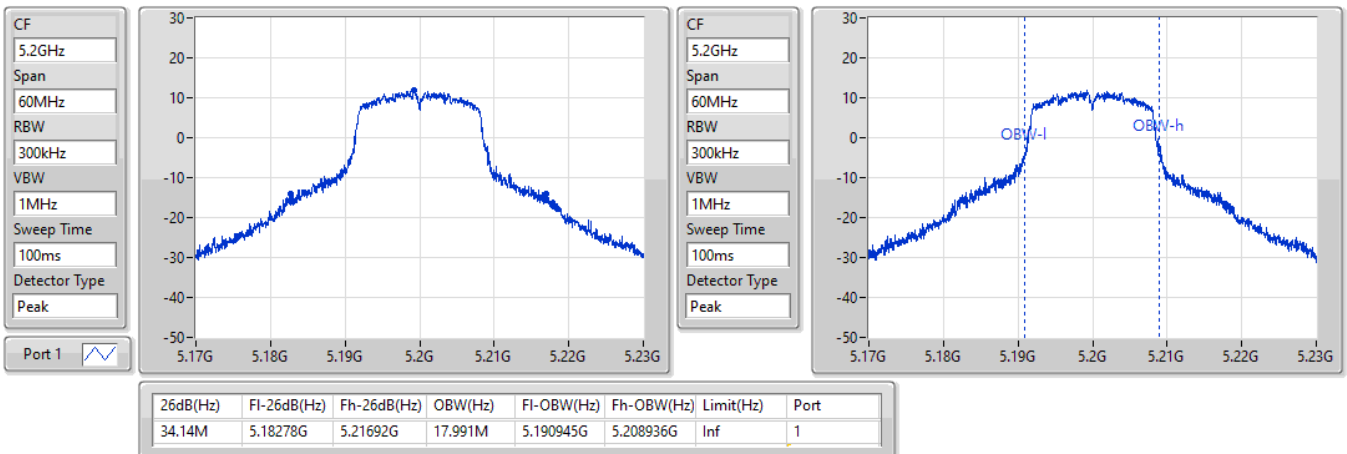
5180MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

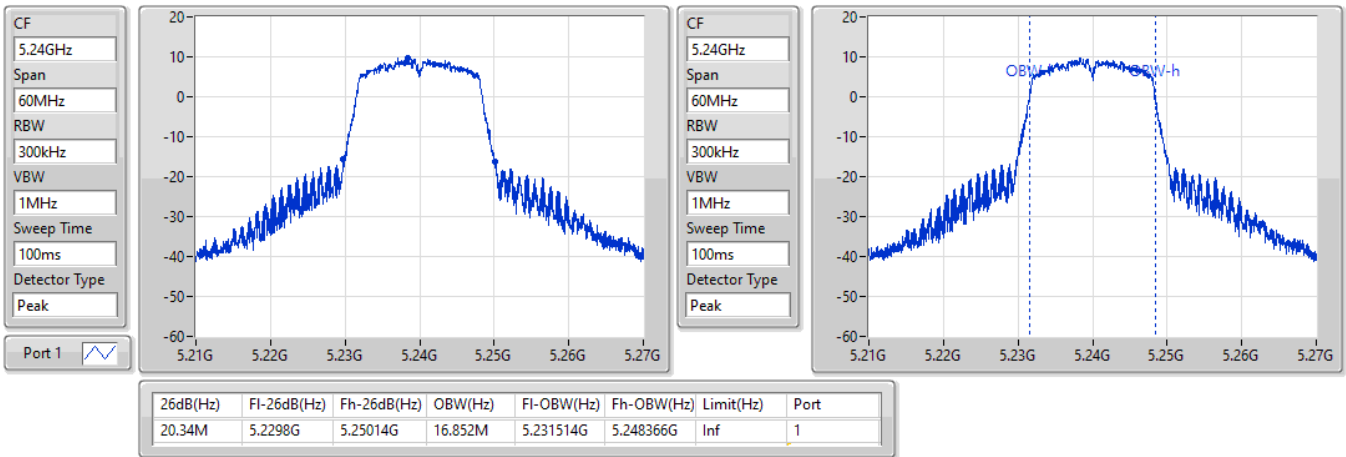
5200MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

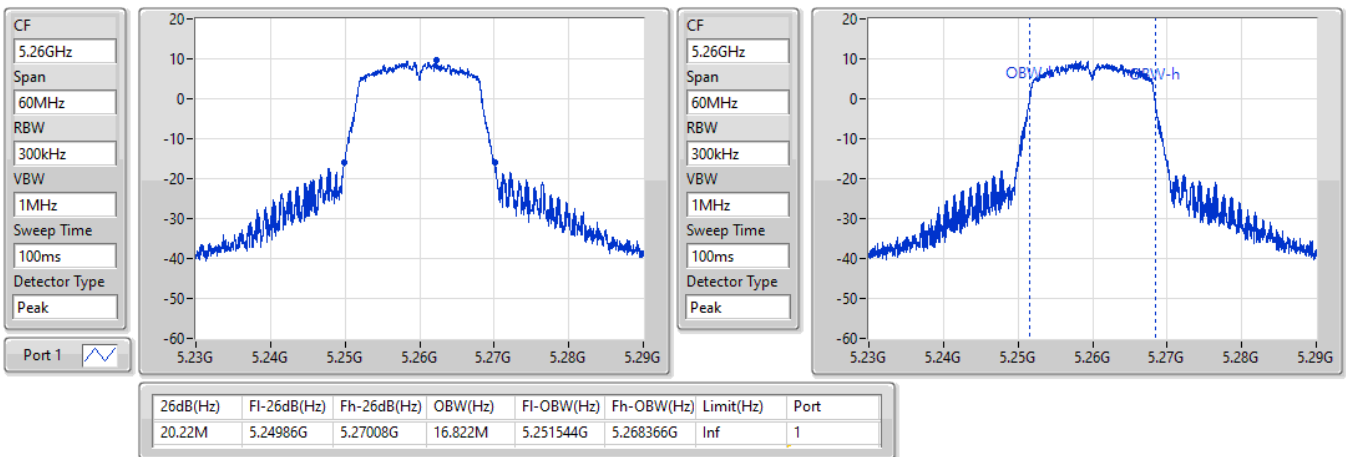
5240MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

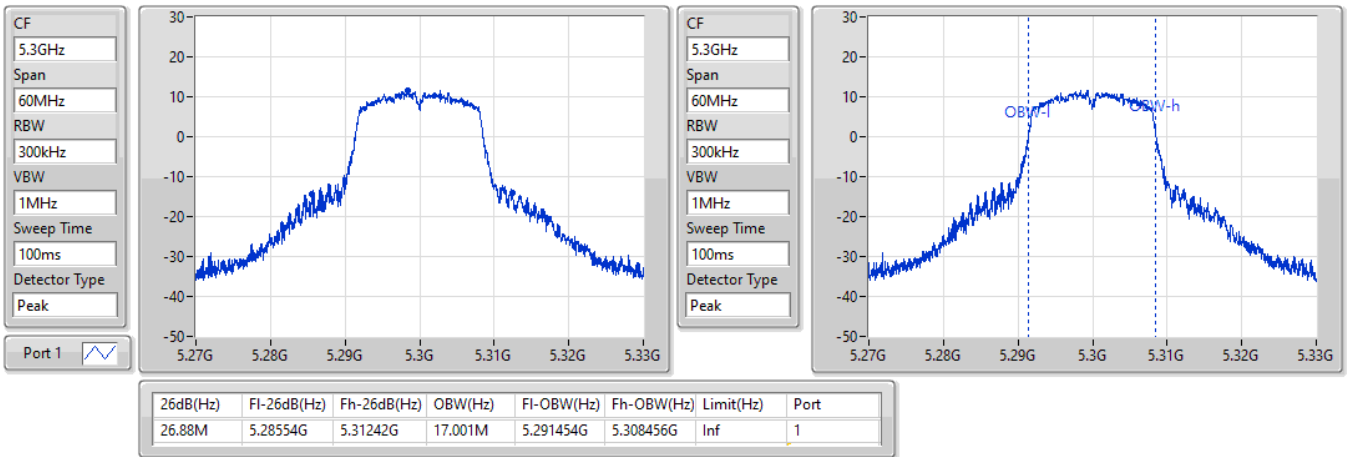
5260MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

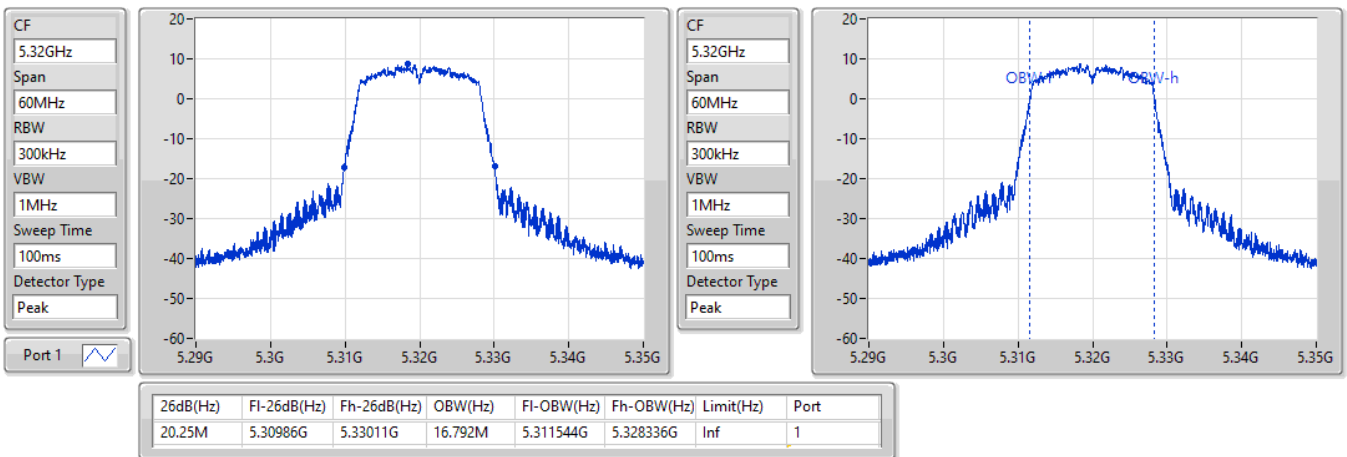
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802.11a_Nss1,(6Mbps)_1TX

EBW

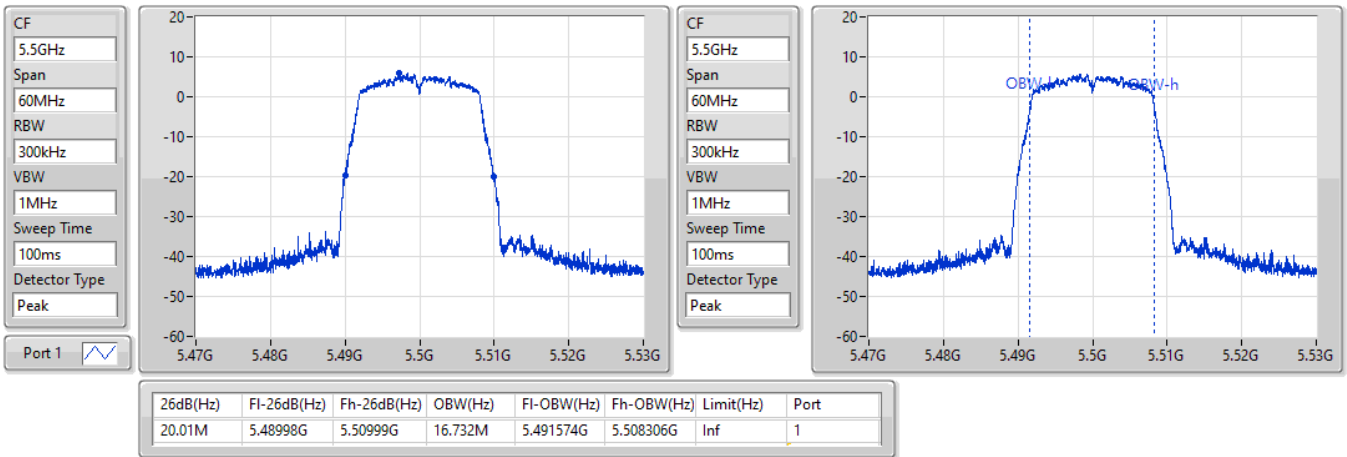
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802.11a_Nss1,(6Mbps)_1TX

EBW

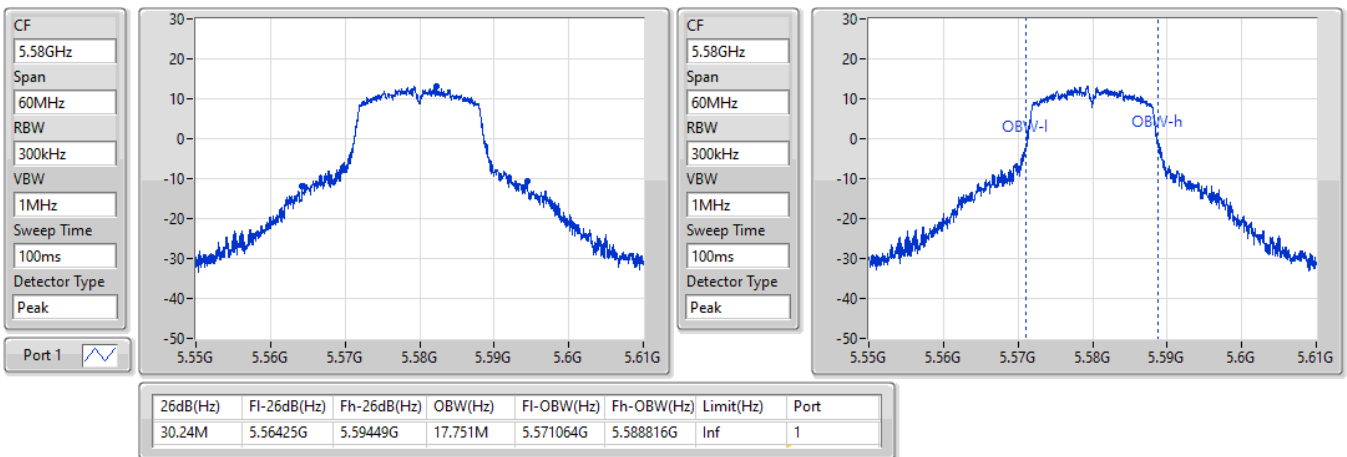
5500MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

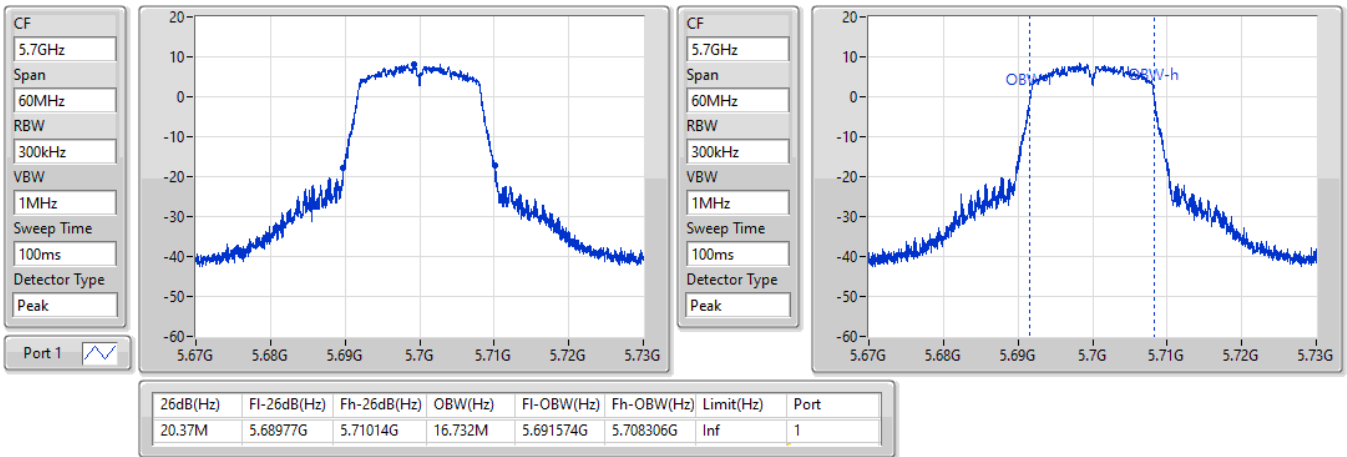
5580MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

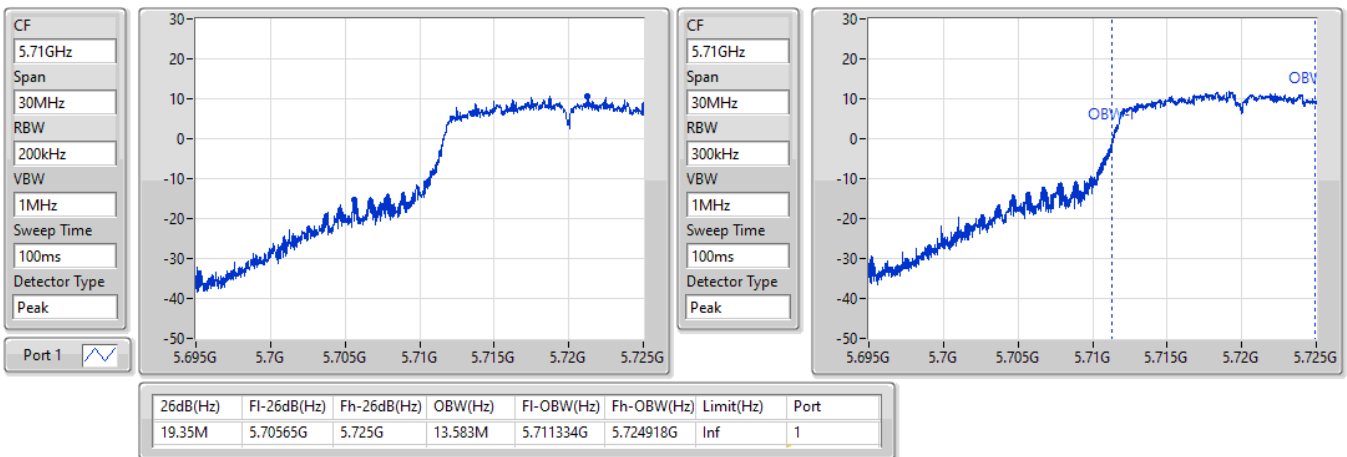
5700MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

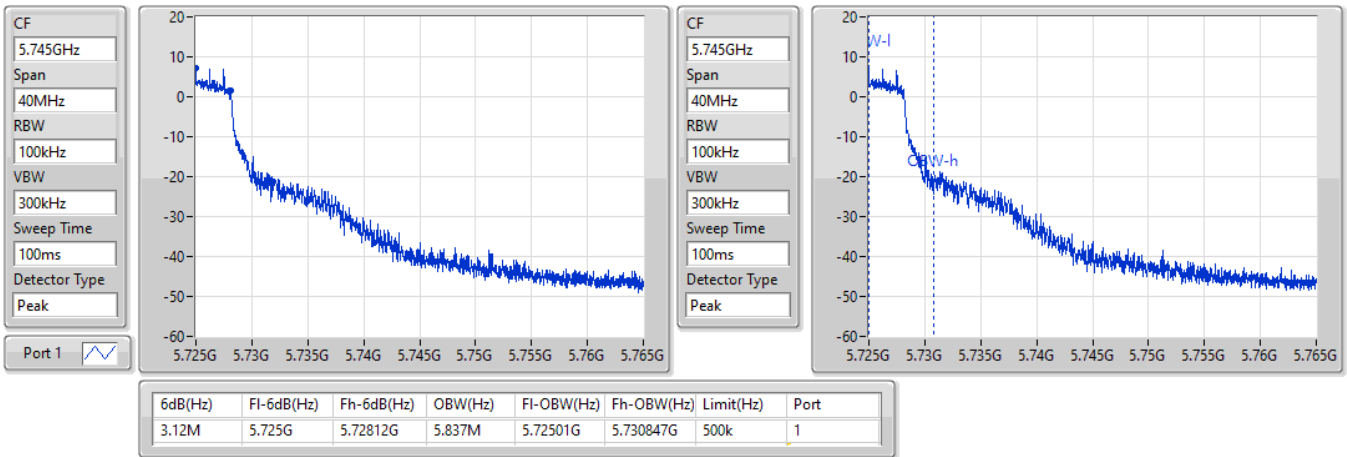
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

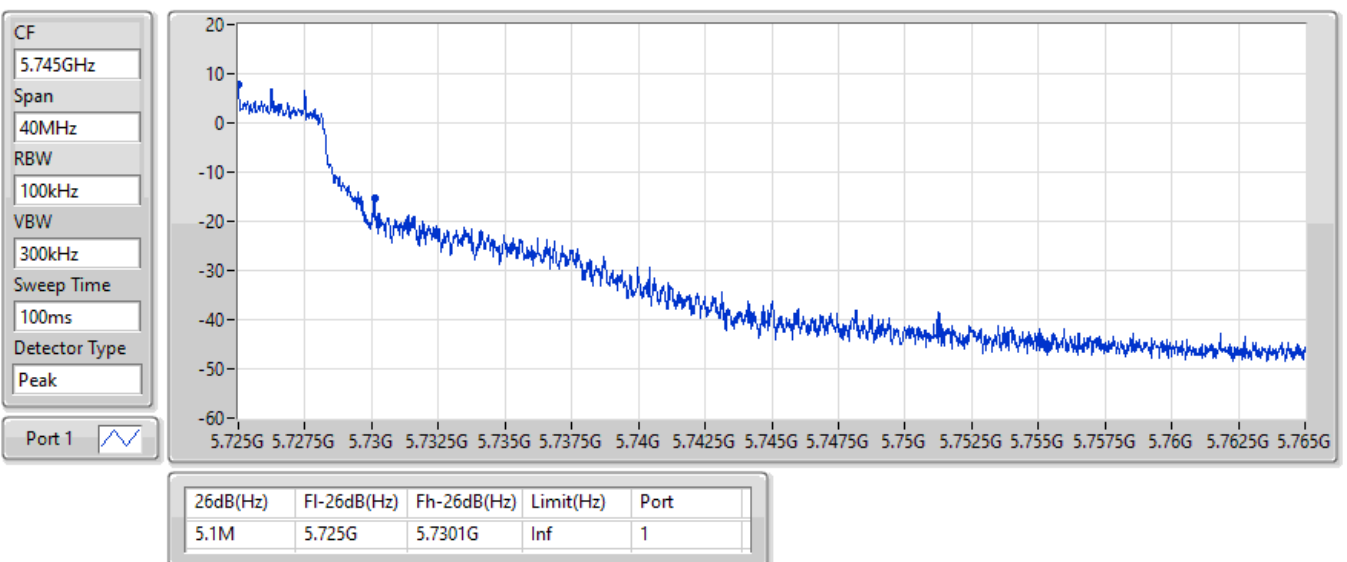
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

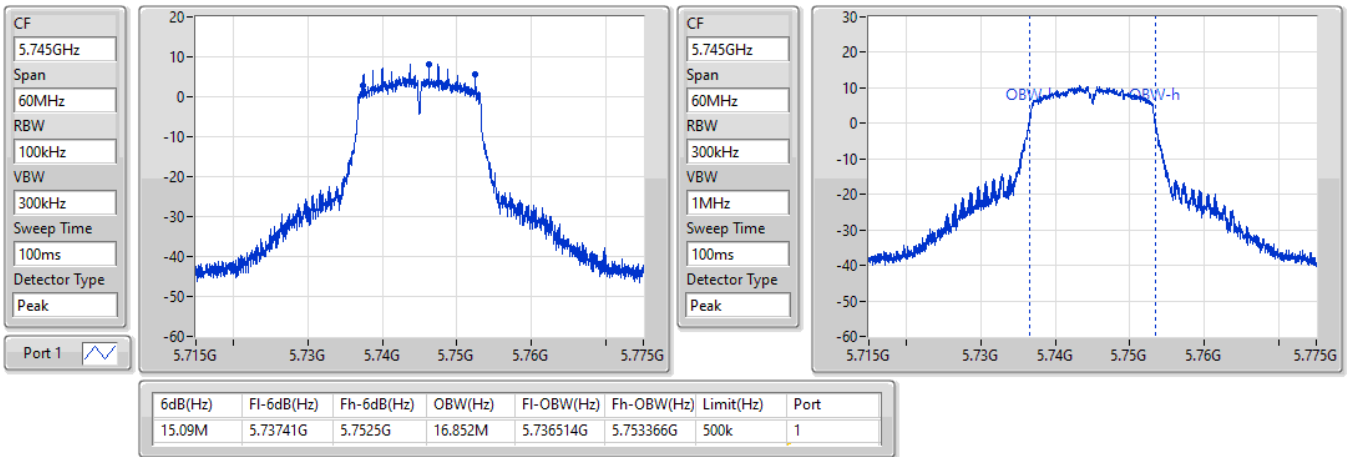
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

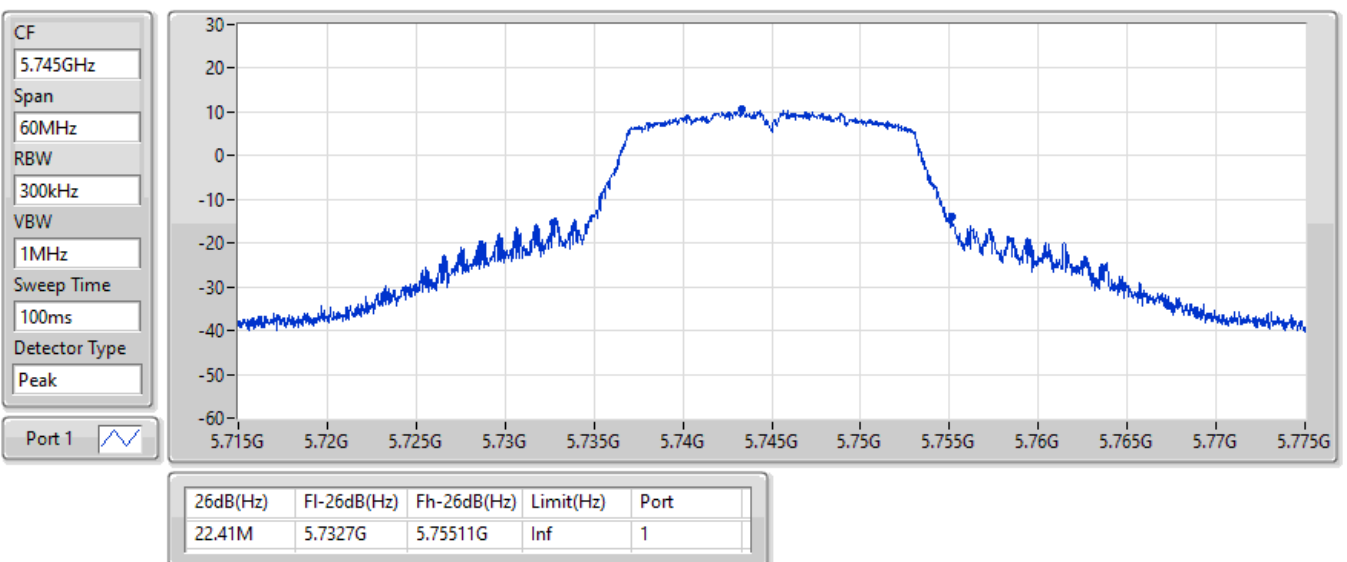
5745MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

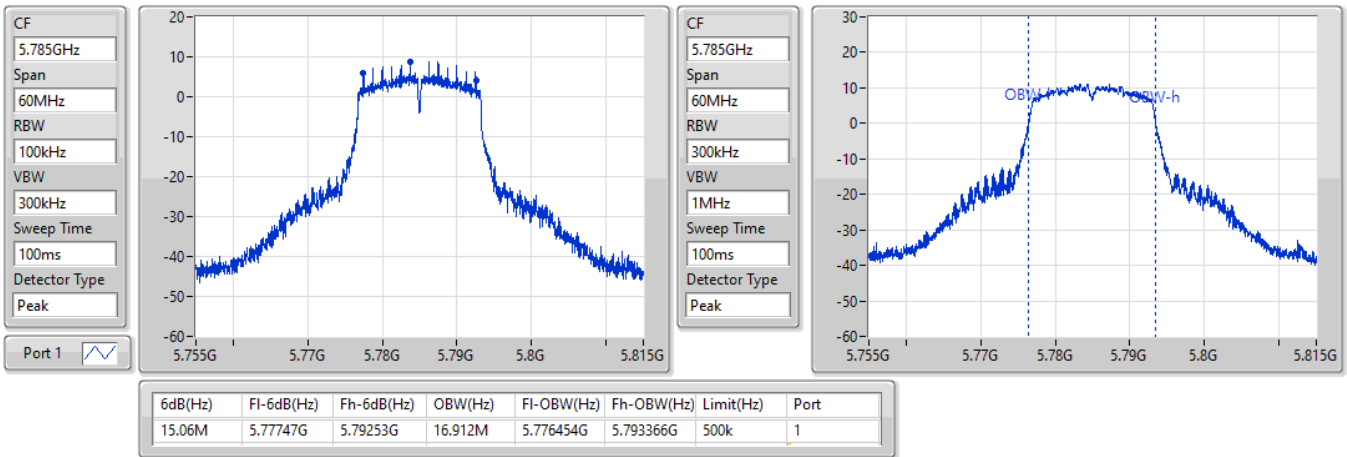
5745MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

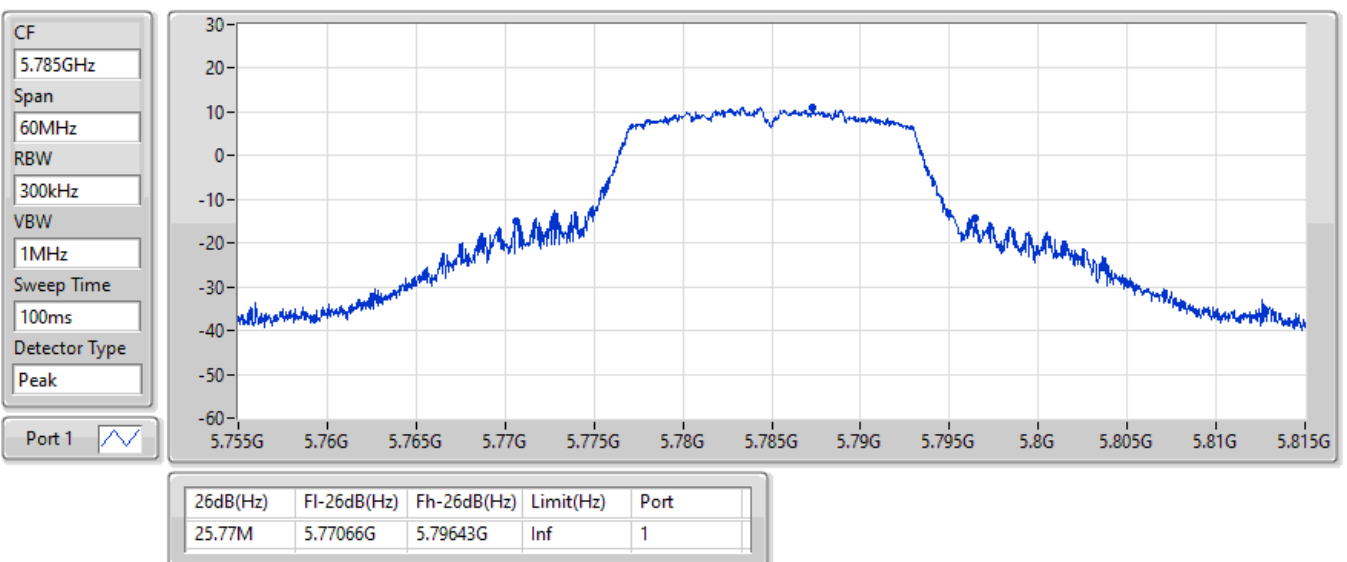
5785MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

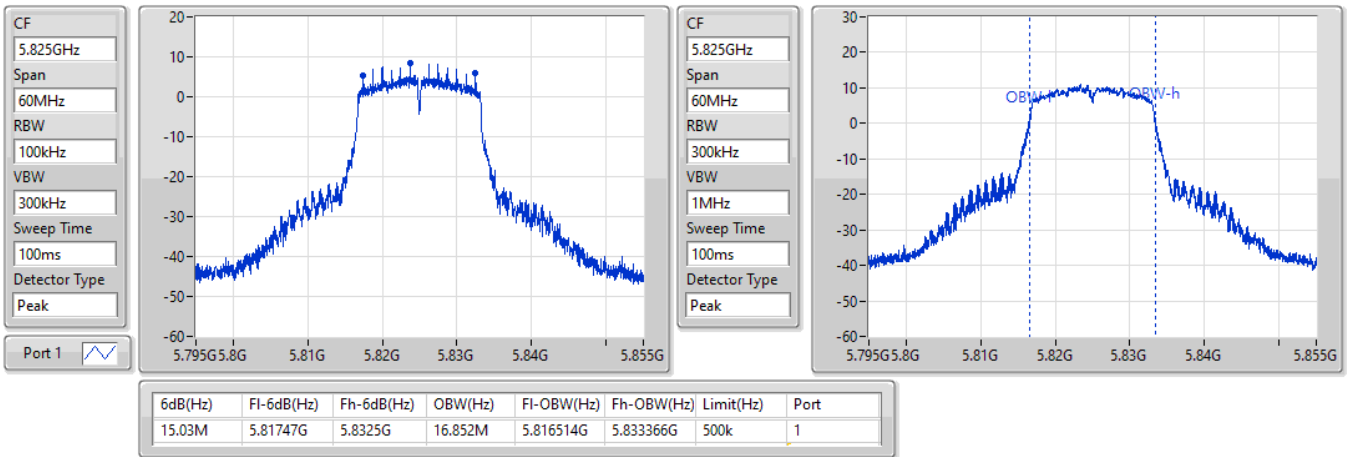
5785MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

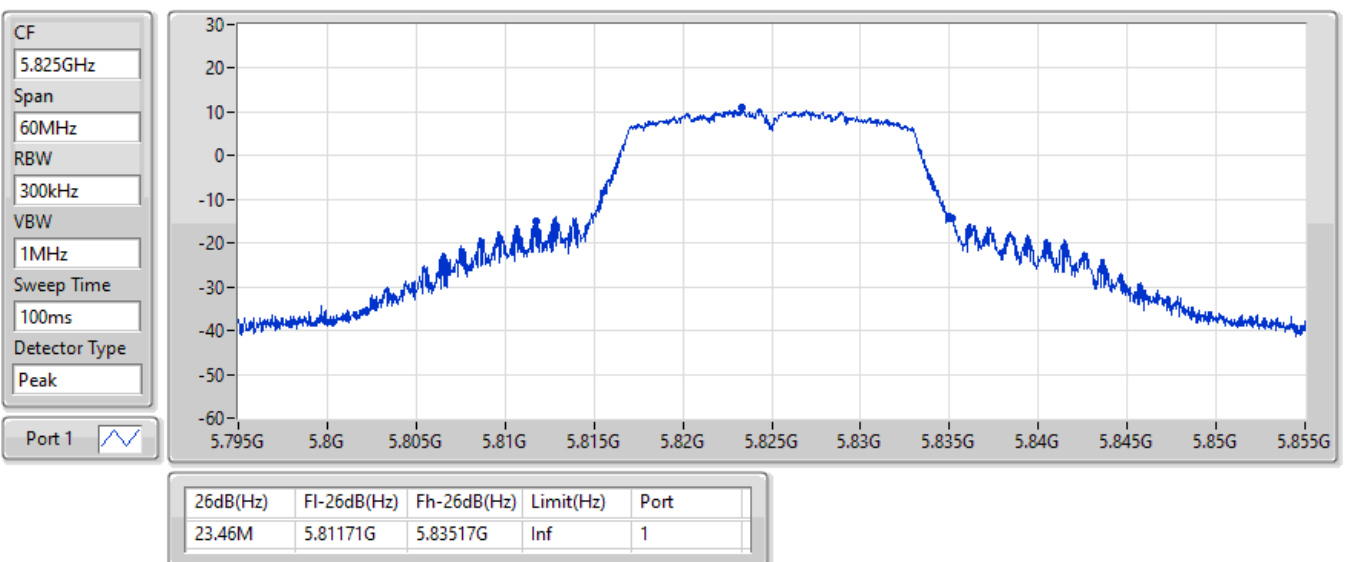
5825MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

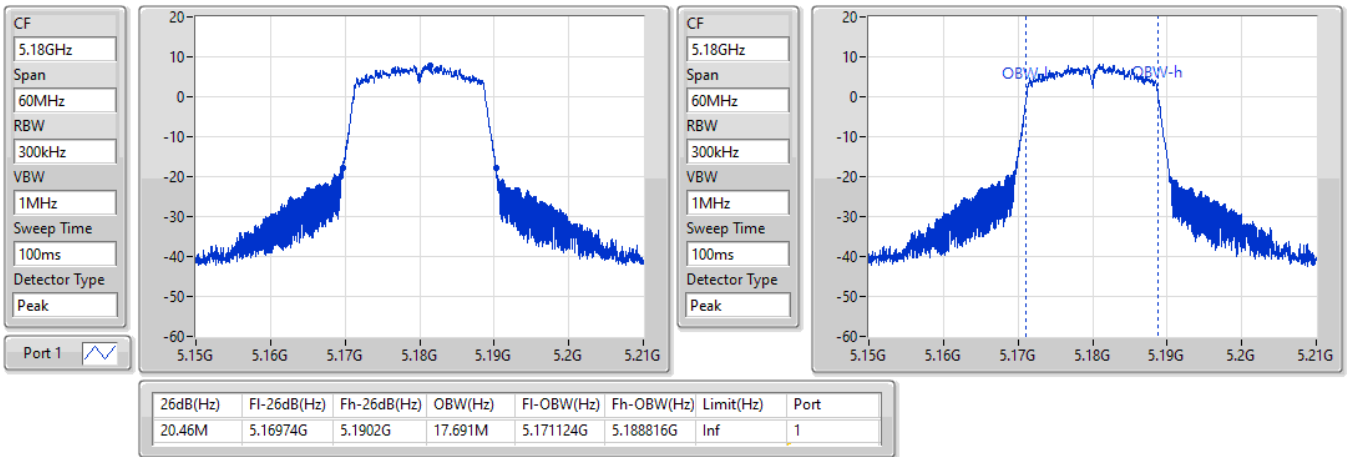
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

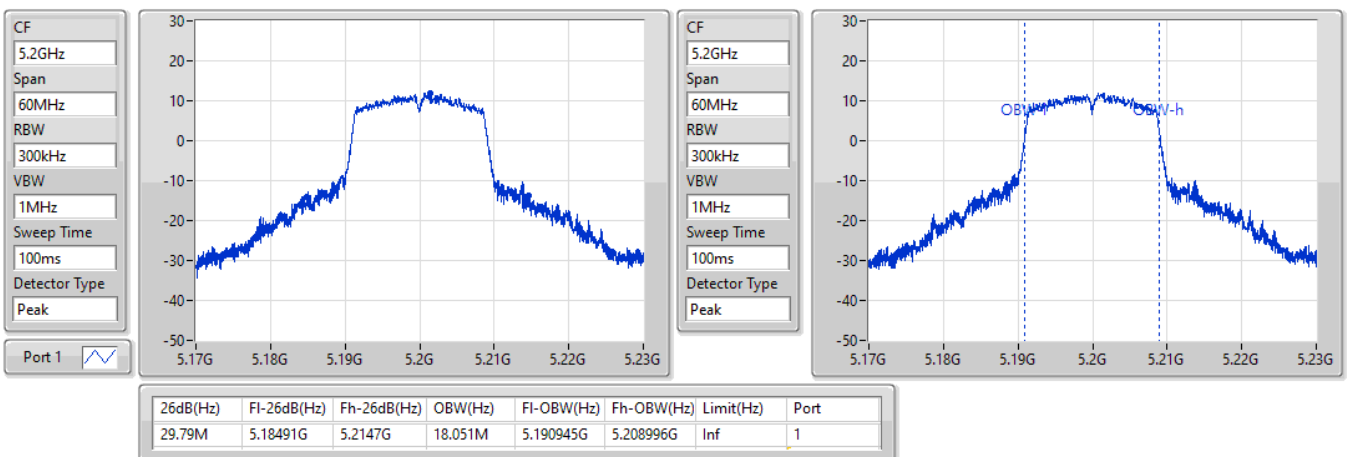
5180MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

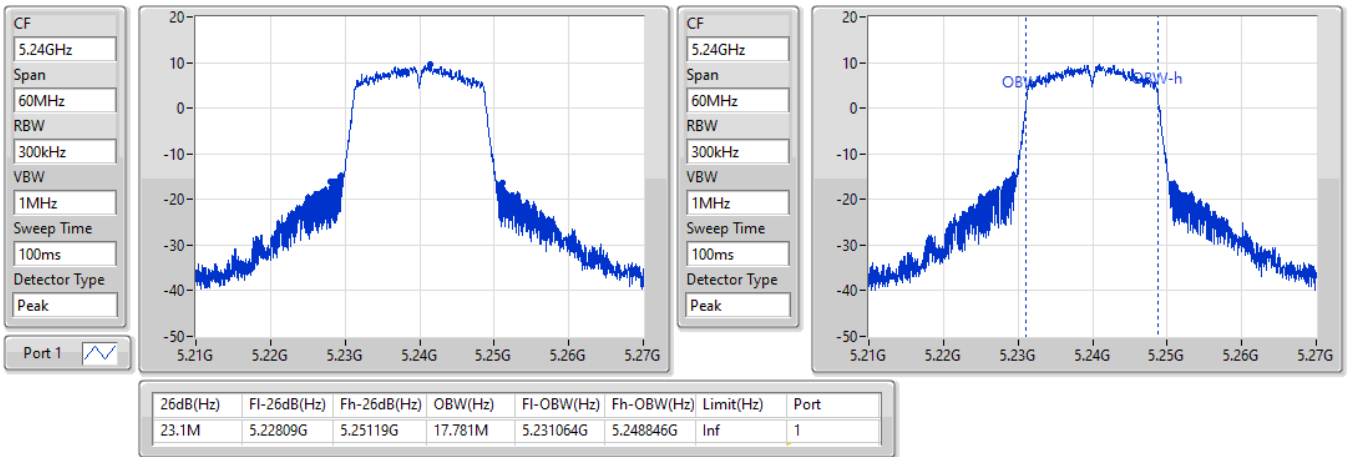
5200MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

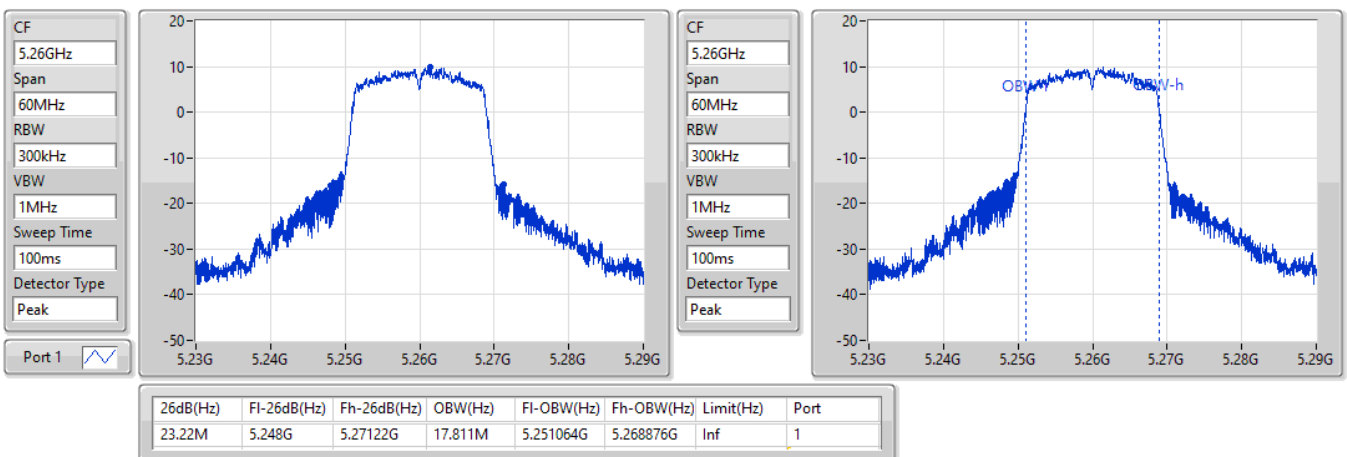
5240MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

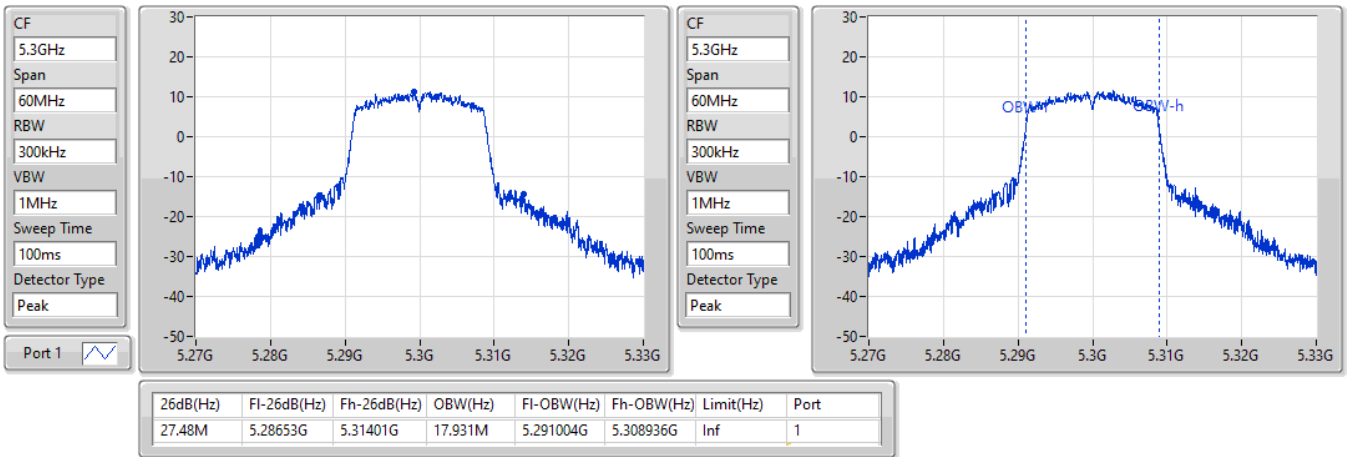
5260MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

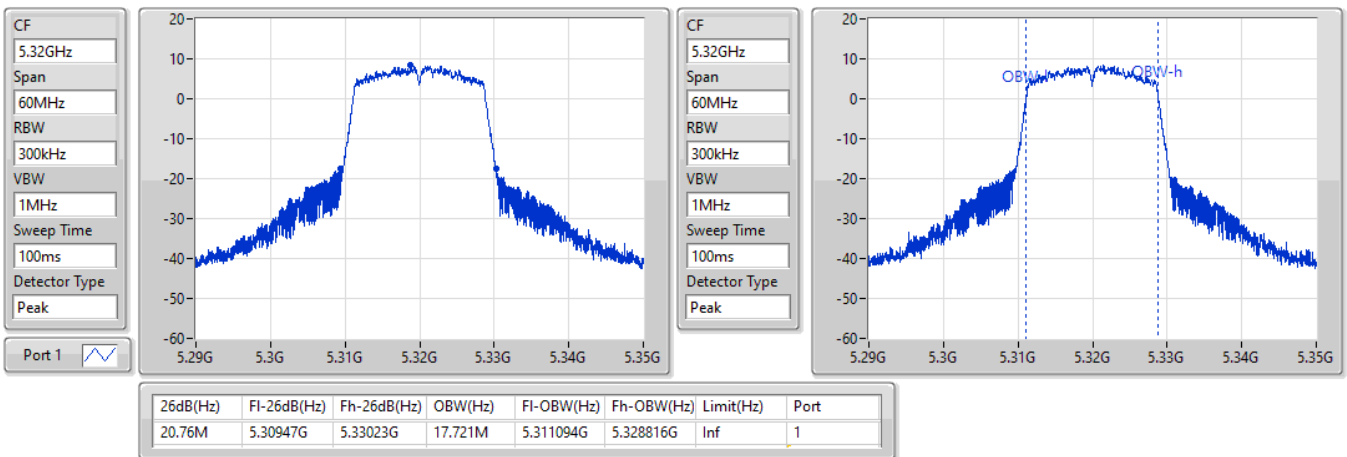
5300MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

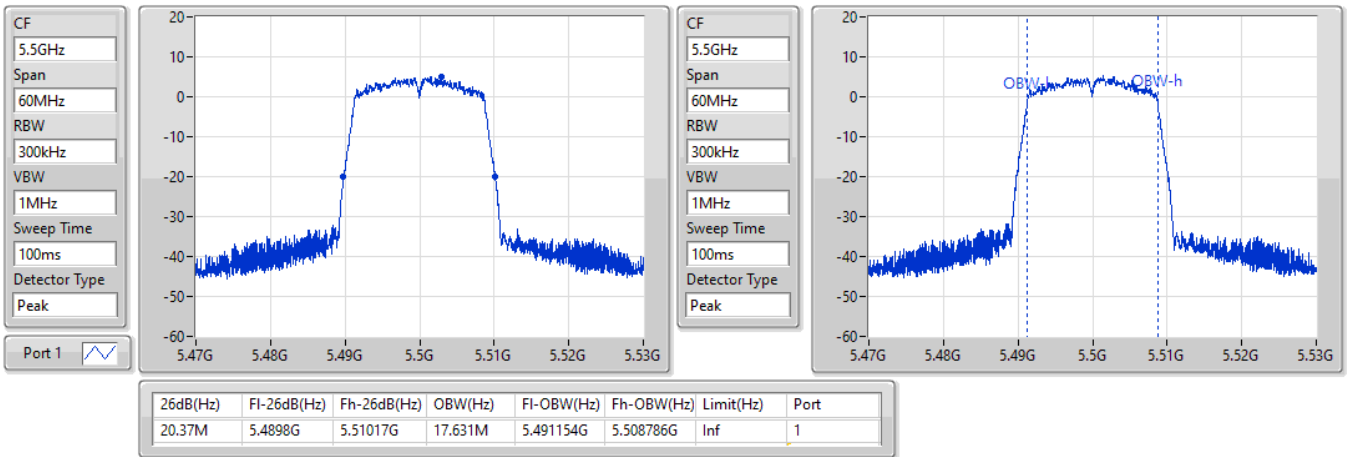
5320MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

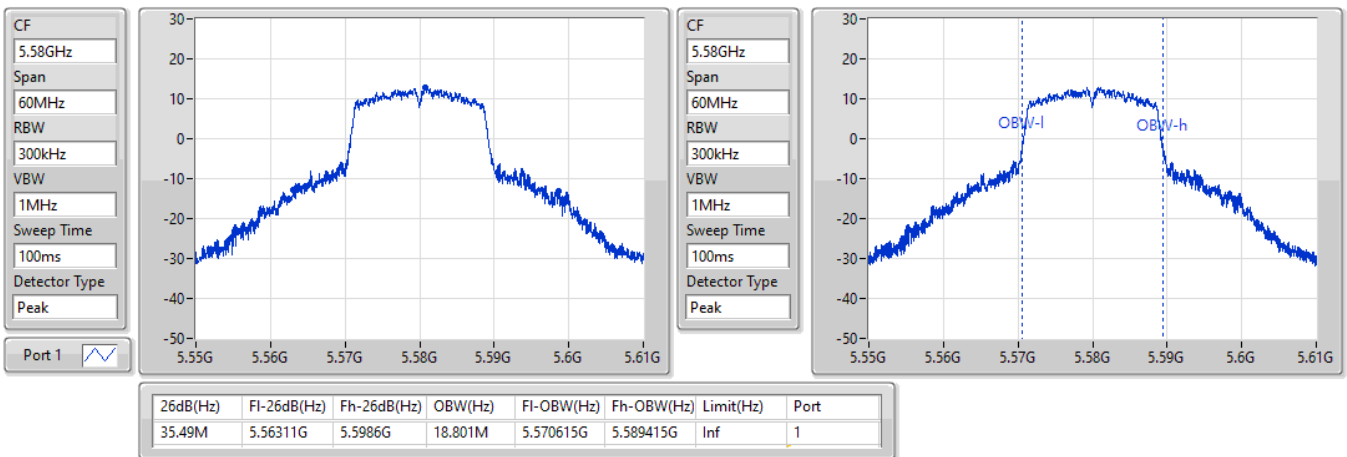
5500MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

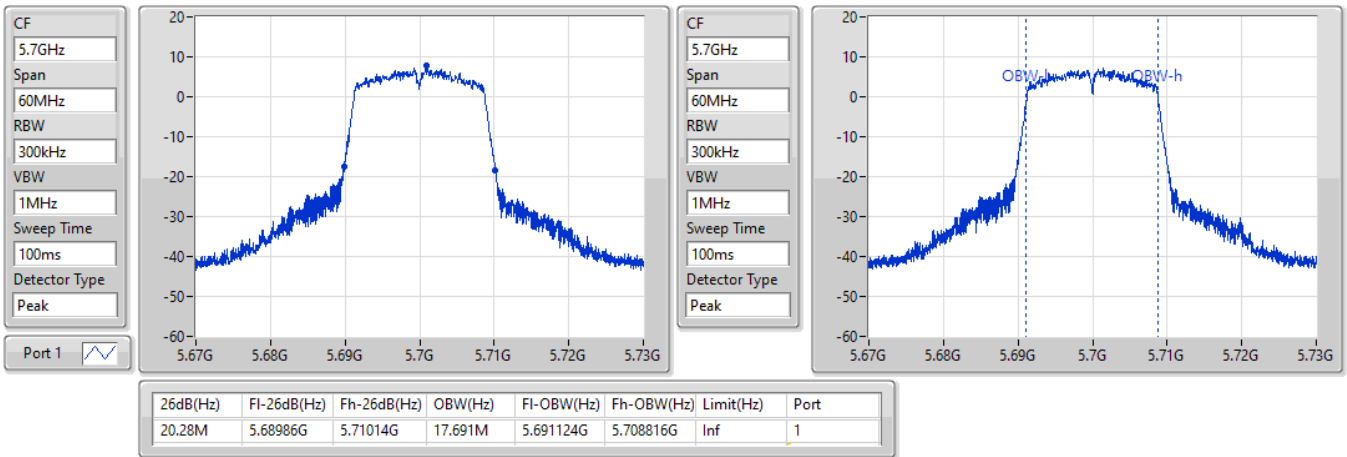
5580MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

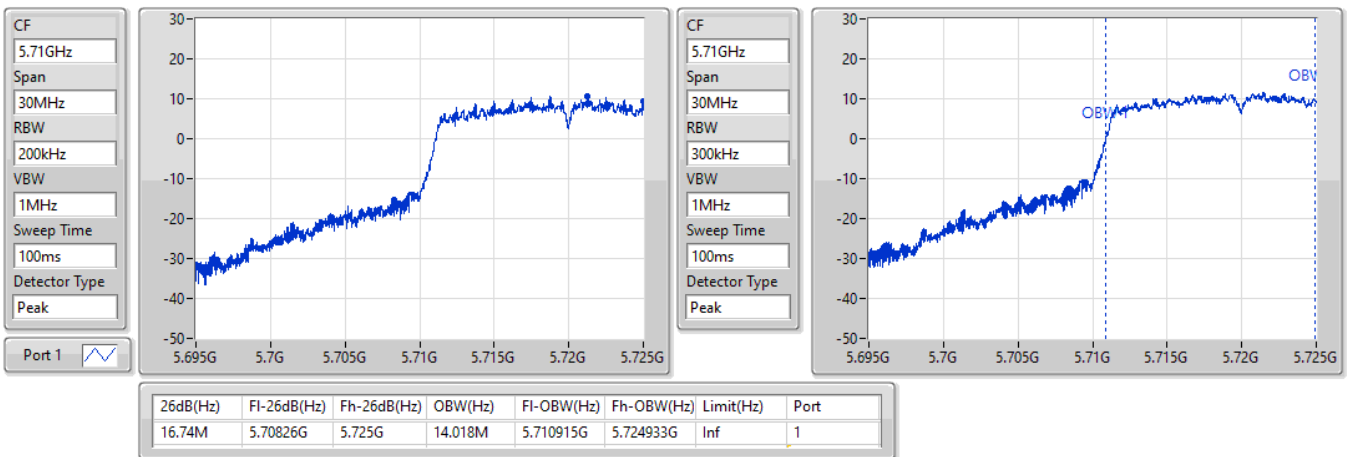
5700MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

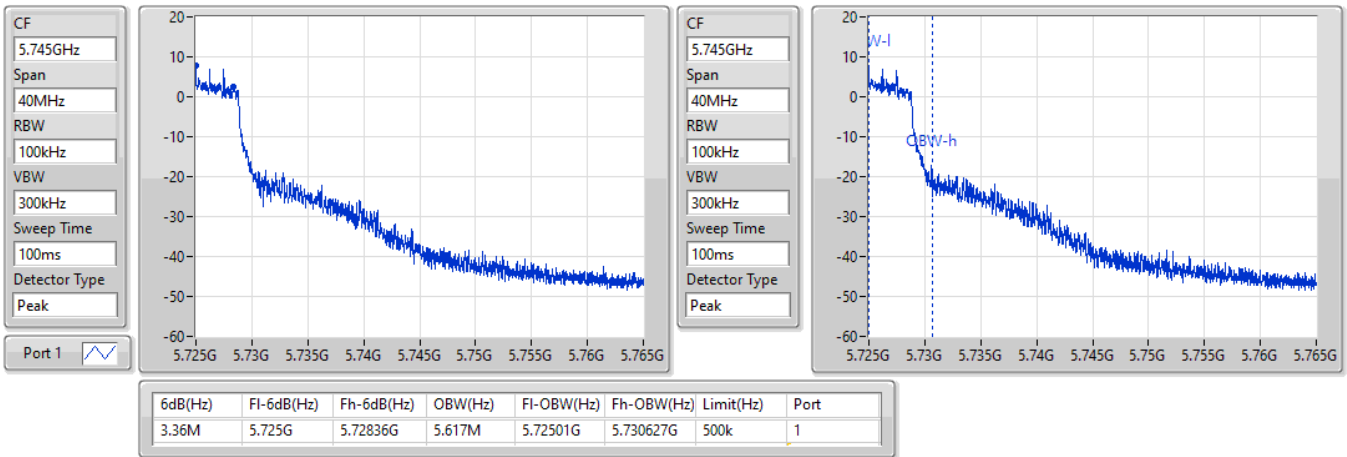
5720MHz Straddle 5.47-5.725GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

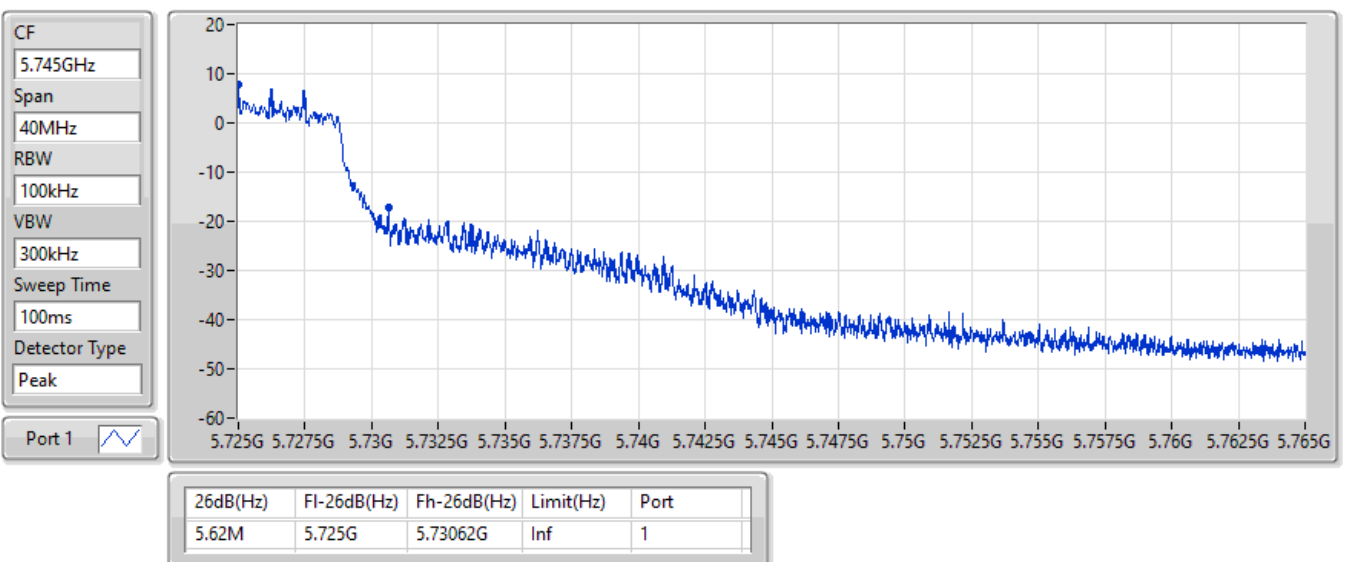
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

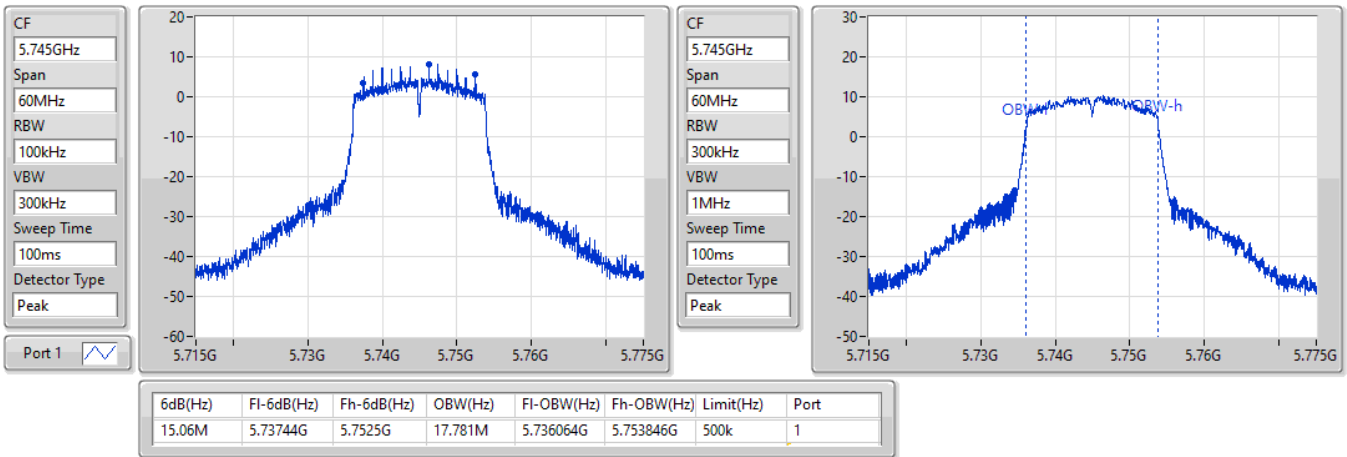
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

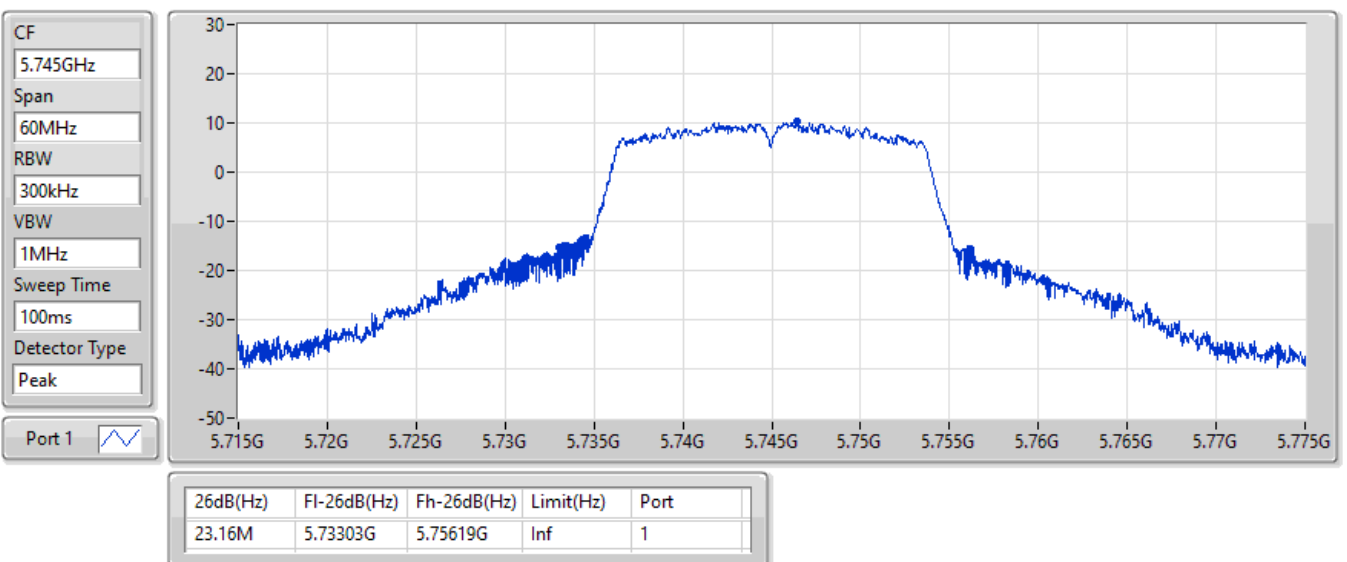
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

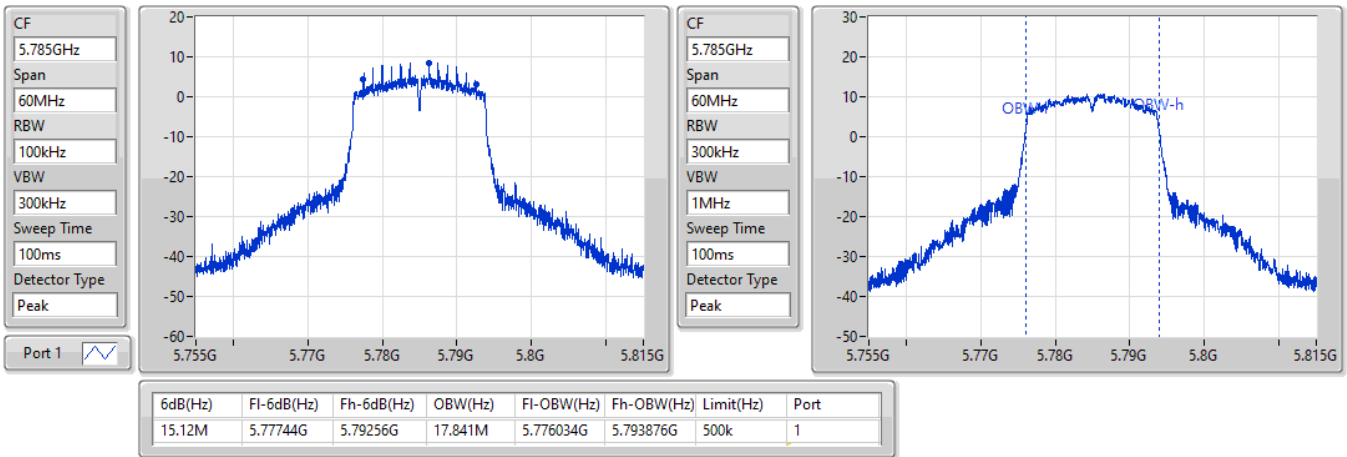
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

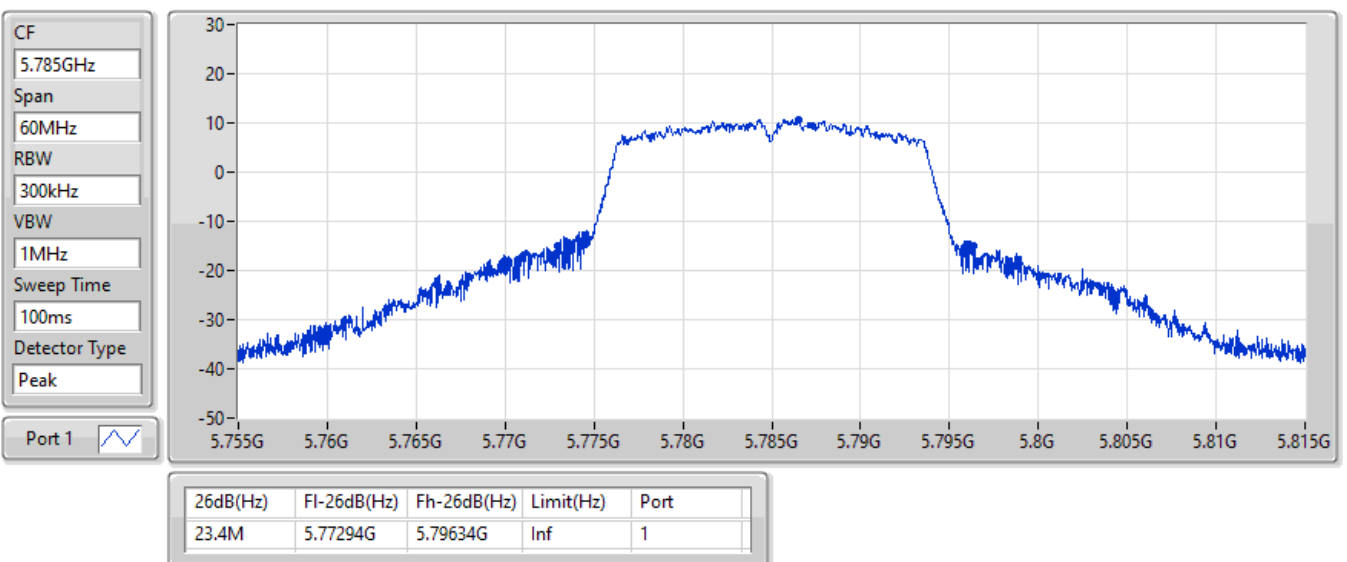
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

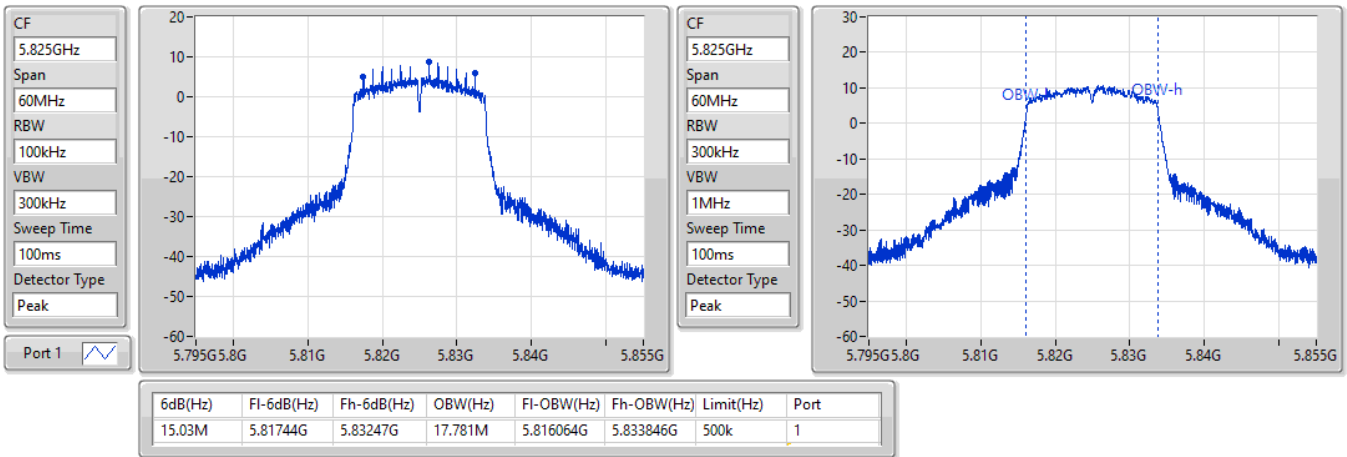
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

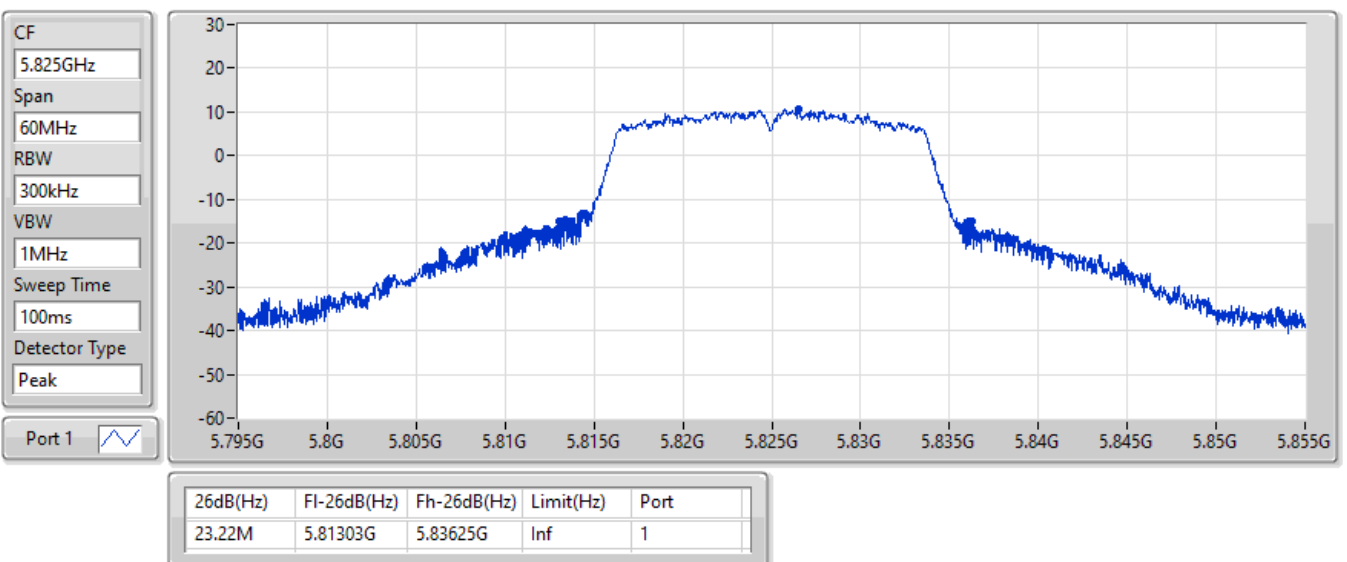
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

EBW

5825MHz



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	20.81	0.12050	23.40	0.21878
802.11n HT20_Nss1,(MCS0)_1TX	20.33	0.10789	22.92	0.19588
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.75	0.09441	22.37	0.17258
802.11n HT20_Nss1,(MCS0)_1TX	19.64	0.09204	22.26	0.16827
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.24	0.13305	24.03	0.25293
802.11n HT20_Nss1,(MCS0)_1TX	21.04	0.12706	23.83	0.24155
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.02	0.07980	22.46	0.17620
802.11n HT20_Nss1,(MCS0)_1TX	18.81	0.07603	22.25	0.16788

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	2.59	16.38	16.38	24.00	18.97	30.00
5200MHz	Pass	2.59	20.81	20.81	24.00	23.40	30.00
5240MHz	Pass	2.59	18.09	18.09	24.00	20.68	30.00
5260MHz	Pass	2.62	17.92	17.92	24.00	20.54	26.99
5300MHz	Pass	2.62	19.75	19.75	24.00	22.37	26.99
5320MHz	Pass	2.62	16.52	16.52	24.00	19.14	26.99
5500MHz	Pass	2.79	14.18	14.18	24.00	16.97	26.99
5580MHz	Pass	2.79	21.24	21.24	24.00	24.03	26.99
5700MHz	Pass	2.79	16.52	16.52	24.00	19.31	26.99
5720MHz Straddle 5.47-5.725GHz	Pass	2.79	19.11	19.11	23.87	21.90	26.99
5720MHz Straddle 5.725-5.85GHz	Pass	3.44	11.64	11.64	30.00	15.08	36.00
5745MHz	Pass	3.44	18.56	18.56	30.00	22.00	36.00
5785MHz	Pass	3.44	19.02	19.02	30.00	22.46	36.00
5825MHz	Pass	3.44	18.79	18.79	30.00	22.23	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.59	16.58	16.58	24.00	19.17	30.00
5200MHz	Pass	2.59	20.33	20.33	24.00	22.92	30.00
5240MHz	Pass	2.59	17.95	17.95	24.00	20.54	30.00
5260MHz	Pass	2.62	18.06	18.06	24.00	20.68	26.99
5300MHz	Pass	2.62	19.64	19.64	24.00	22.26	26.99
5320MHz	Pass	2.62	16.56	16.56	24.00	19.18	26.99
5500MHz	Pass	2.79	13.45	13.45	24.00	16.24	26.99
5580MHz	Pass	2.79	21.04	21.04	24.00	23.83	26.99
5700MHz	Pass	2.79	15.51	15.51	24.00	18.30	26.99
5720MHz Straddle 5.47-5.725GHz	Pass	2.79	18.9	18.90	23.24	21.69	26.99
5720MHz Straddle 5.725-5.85GHz	Pass	3.44	11.92	11.92	30.00	15.36	36.00
5745MHz	Pass	3.44	18.45	18.45	30.00	21.89	36.00
5785MHz	Pass	3.44	18.81	18.81	30.00	22.25	36.00
5825MHz	Pass	3.44	18.59	18.59	30.00	22.03	36.00

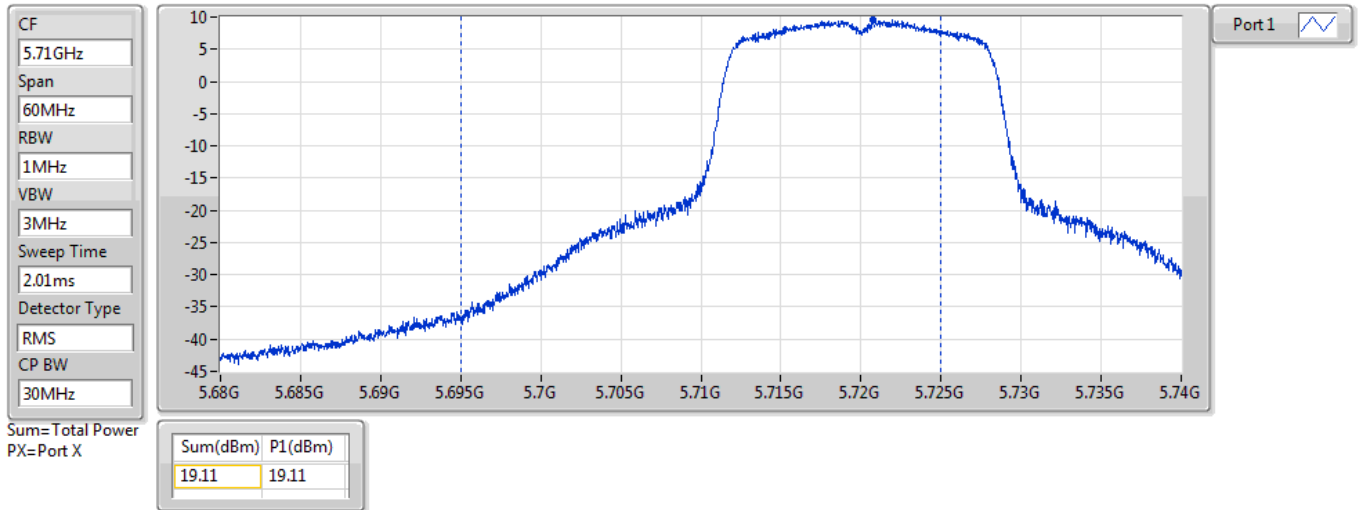
DG = Directional Gain; Port X = Port X output power



802.11a_Nss1,(6Mbps)_1TX

AV Power

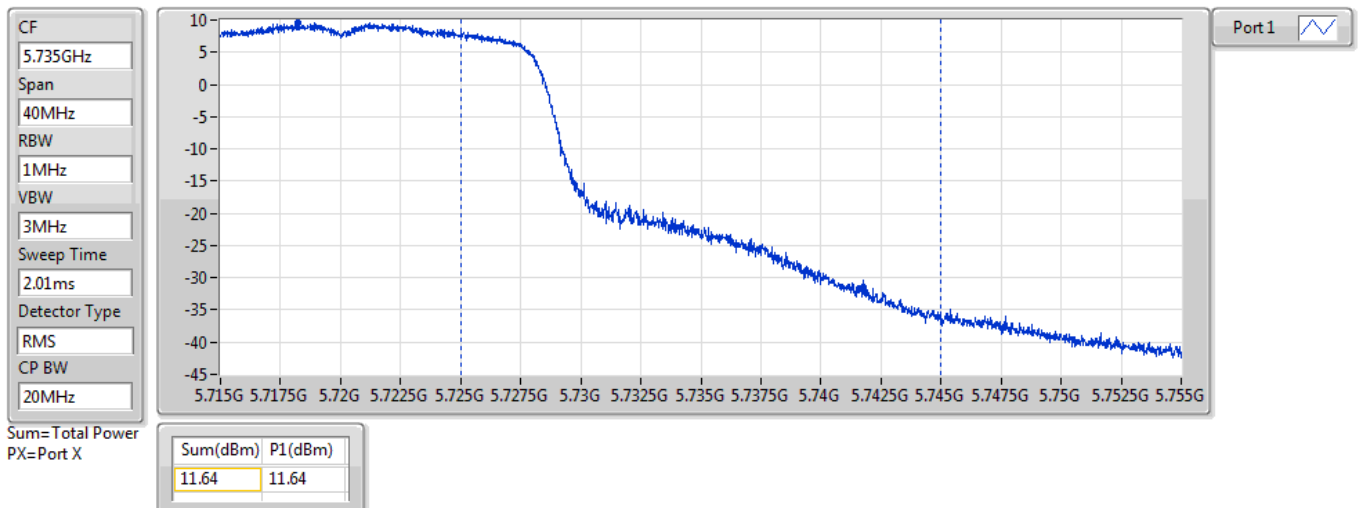
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz

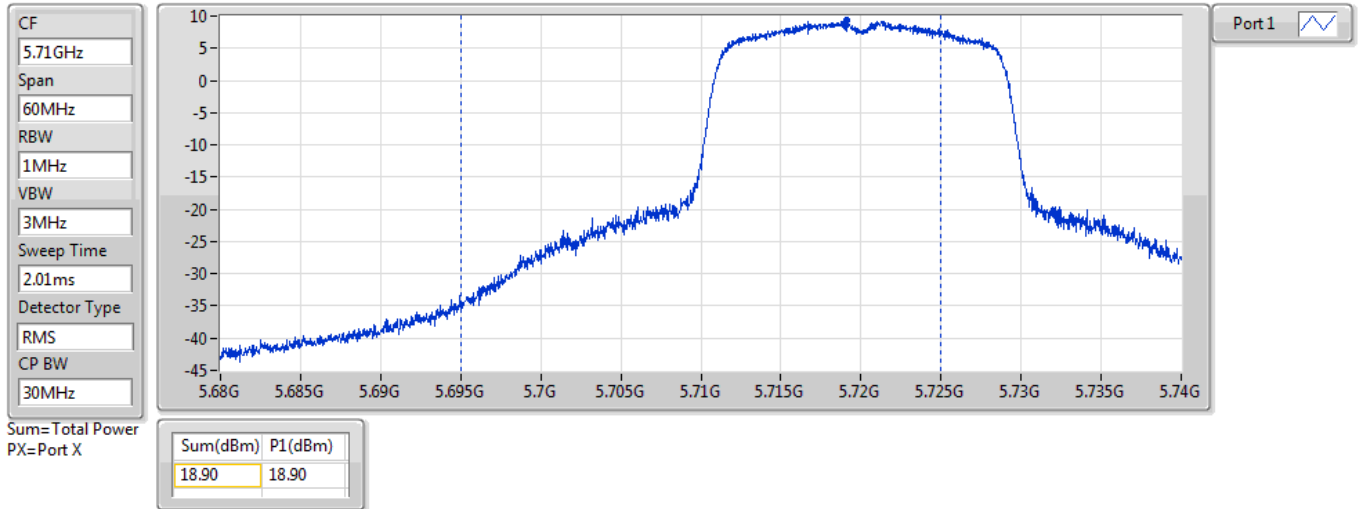




802.11n HT20_Nss1,(MCS0)_1TX

AV Power

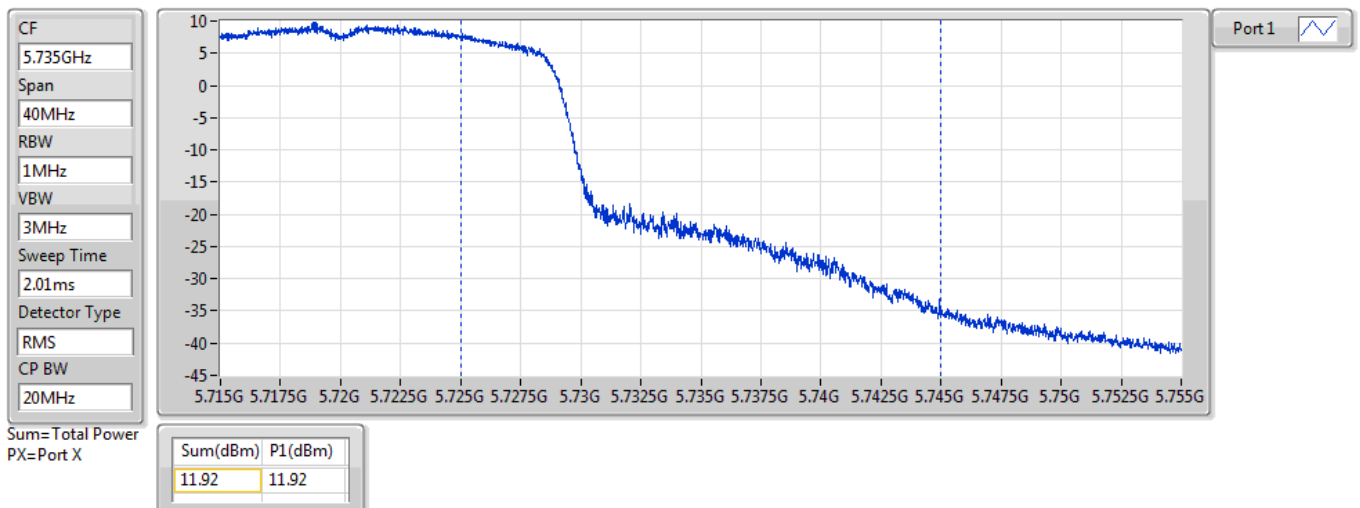
5720MHz Straddle 5.47-5.725GHz



802.11n HT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.27	10.86
802.11n HT20_Nss1,(MCS0)_1TX	8.39	10.98
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	7.79	10.41
802.11n HT20_Nss1,(MCS0)_1TX	7.97	10.59
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.40	12.19
802.11n HT20_Nss1,(MCS0)_1TX	9.02	11.81
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	5.90	9.34
802.11n HT20_Nss1,(MCS0)_1TX	5.66	9.10

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

Result

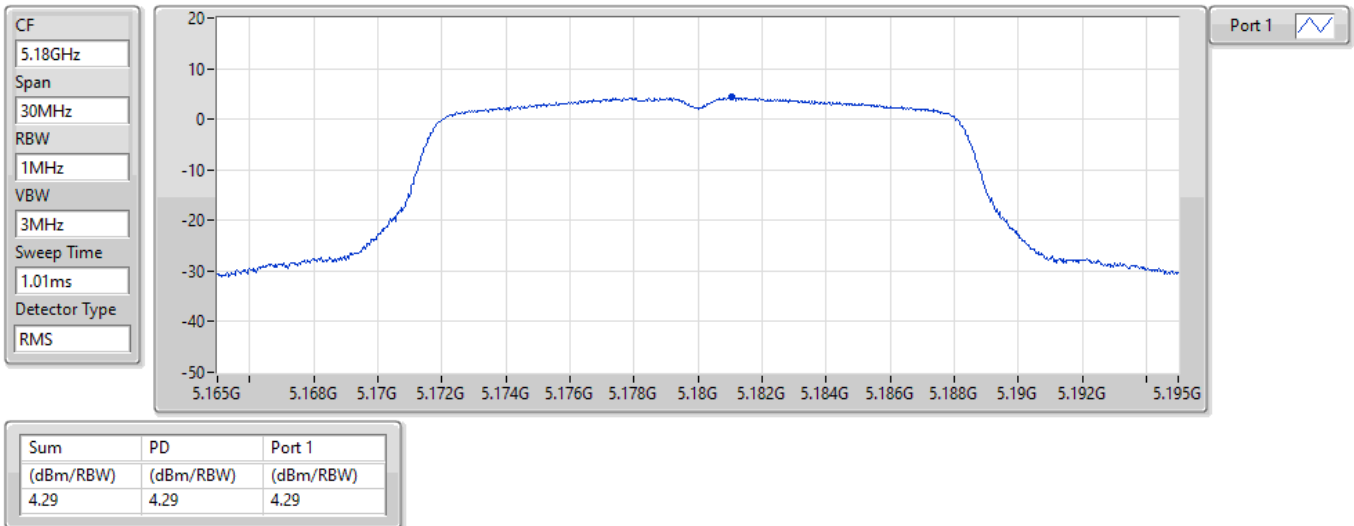
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.59	4.29	4.29	11.00	6.88	17.00
5200MHz	Pass	2.59	8.27	8.27	11.00	10.86	17.00
5240MHz	Pass	2.59	6.14	6.14	11.00	8.73	17.00
5260MHz	Pass	2.62	5.49	5.49	11.00	8.11	17.00
5300MHz	Pass	2.62	7.79	7.79	11.00	10.41	17.00
5320MHz	Pass	2.62	5.27	5.27	11.00	7.89	17.00
5500MHz	Pass	2.79	2.05	2.05	11.00	4.84	17.00
5580MHz	Pass	2.79	9.40	9.40	11.00	12.19	17.00
5700MHz	Pass	2.79	4.77	4.77	11.00	7.56	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.79	7.81	7.81	11.00	10.60	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.44	5.21	5.21	30.00	8.65	36.00
5745MHz	Pass	3.44	5.71	5.71	30.00	9.15	36.00
5785MHz	Pass	3.44	5.90	5.90	30.00	9.34	36.00
5825MHz	Pass	3.44	5.63	5.63	30.00	9.07	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	2.59	4.40	4.40	11.00	6.99	17.00
5200MHz	Pass	2.59	8.39	8.39	11.00	10.98	17.00
5240MHz	Pass	2.59	5.95	5.95	11.00	8.54	17.00
5260MHz	Pass	2.62	6.19	6.19	11.00	8.81	17.00
5300MHz	Pass	2.62	7.97	7.97	11.00	10.59	17.00
5320MHz	Pass	2.62	4.75	4.75	11.00	7.37	17.00
5500MHz	Pass	2.79	1.65	1.65	11.00	4.44	17.00
5580MHz	Pass	2.79	9.02	9.02	11.00	11.81	17.00
5700MHz	Pass	2.79	3.17	3.17	11.00	5.96	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.79	7.64	7.64	11.00	10.43	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.44	4.65	4.65	30.00	8.09	36.00
5745MHz	Pass	3.44	5.26	5.26	30.00	8.70	36.00
5785MHz	Pass	3.44	5.63	5.63	30.00	9.07	36.00
5825MHz	Pass	3.44	5.66	5.66	30.00	9.10	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

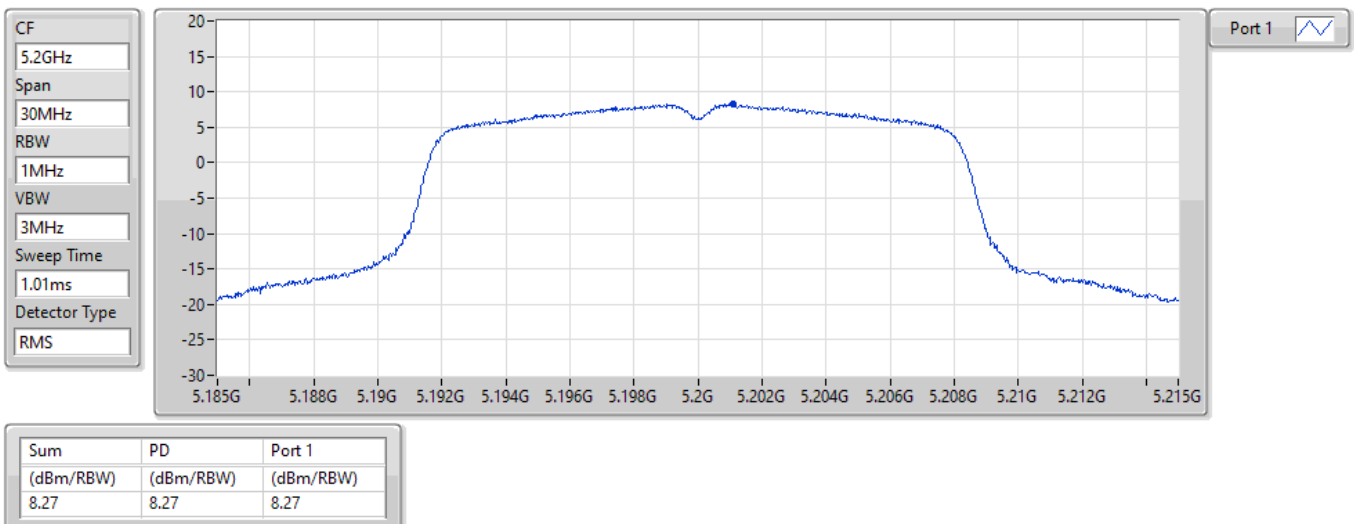
5180MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

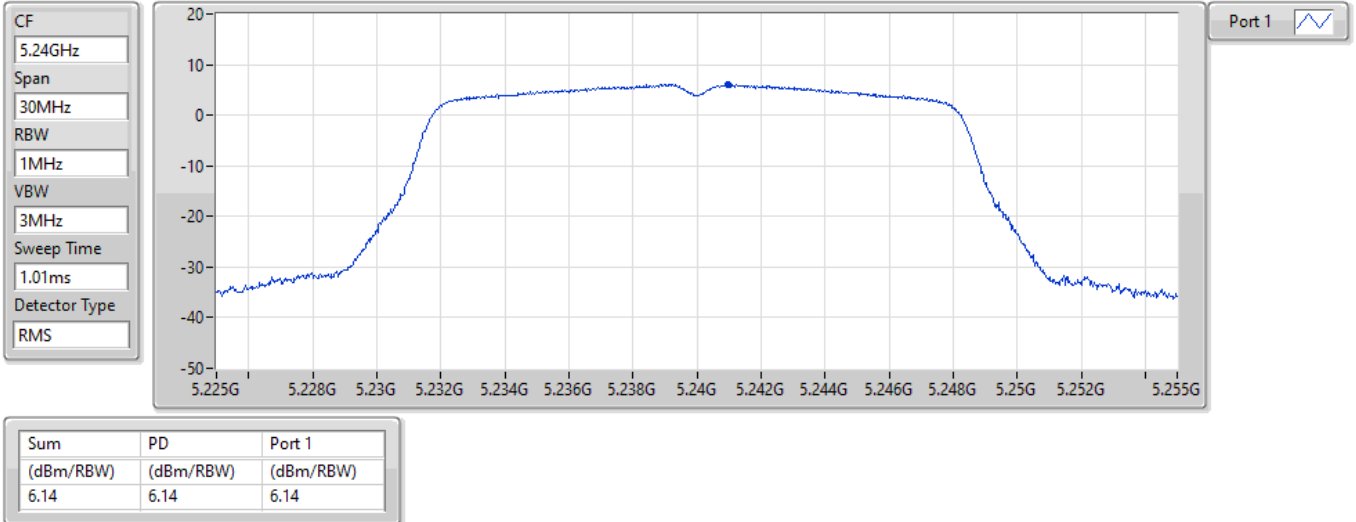
5200MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

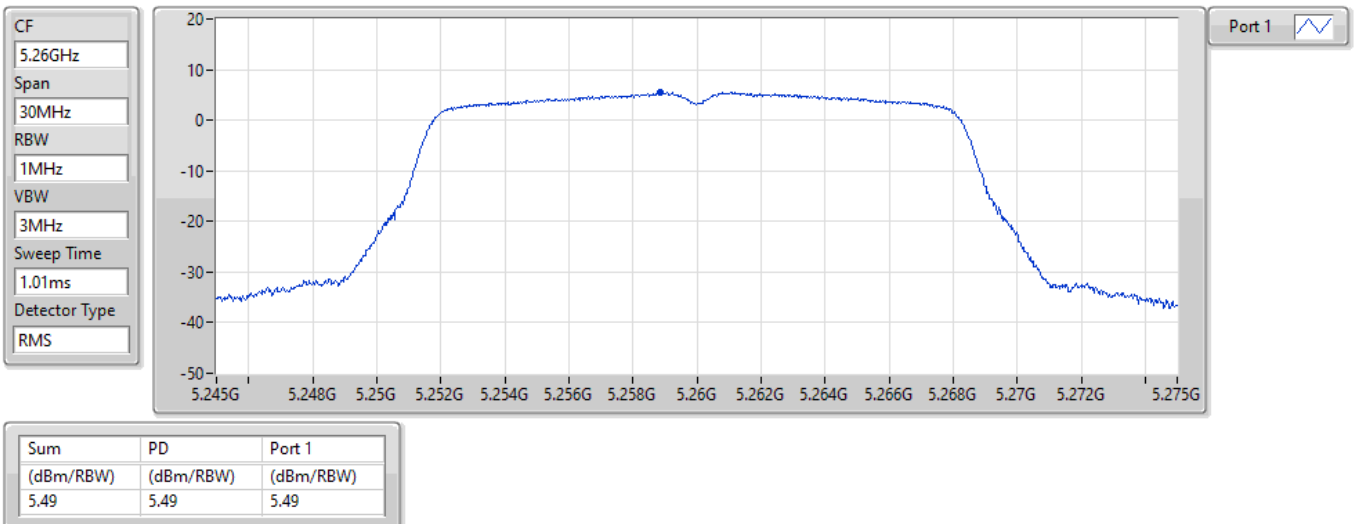
5240MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

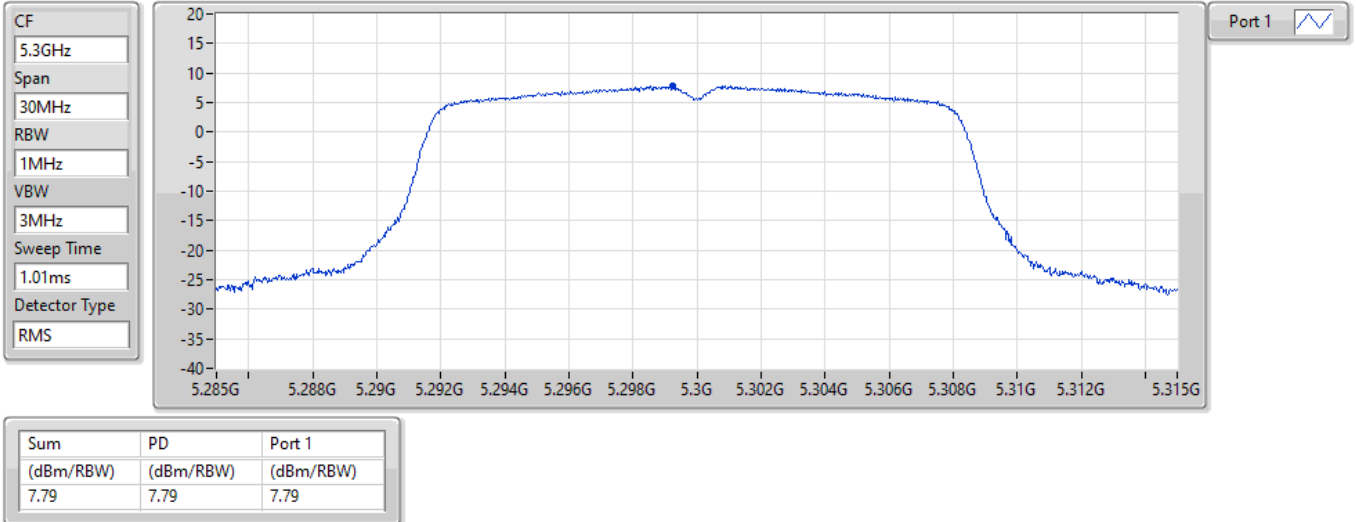
5260MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

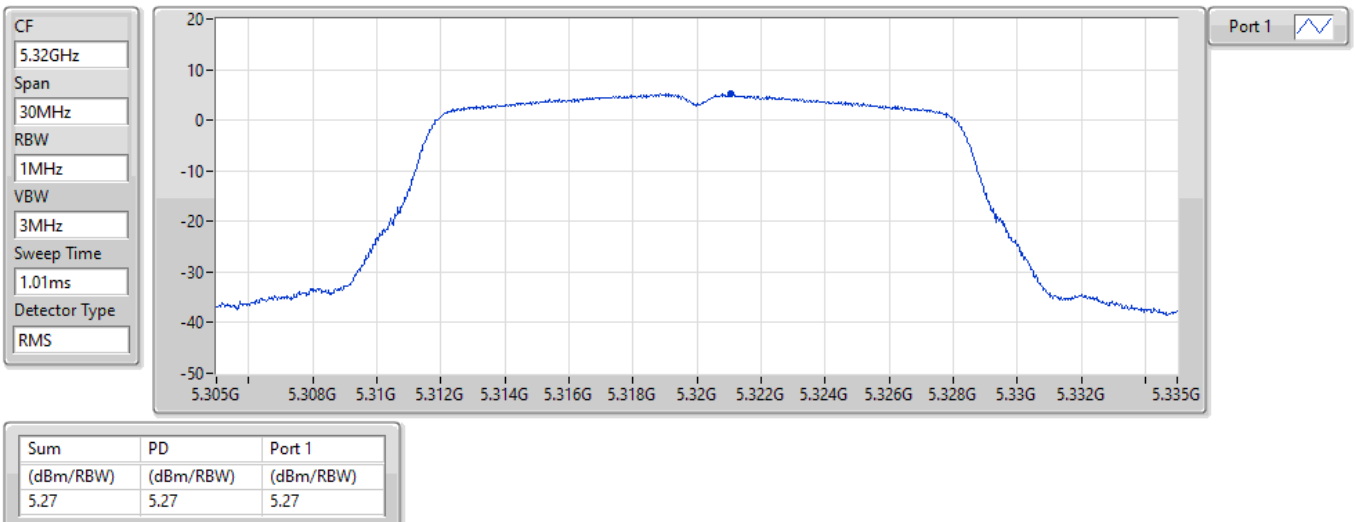
5300MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

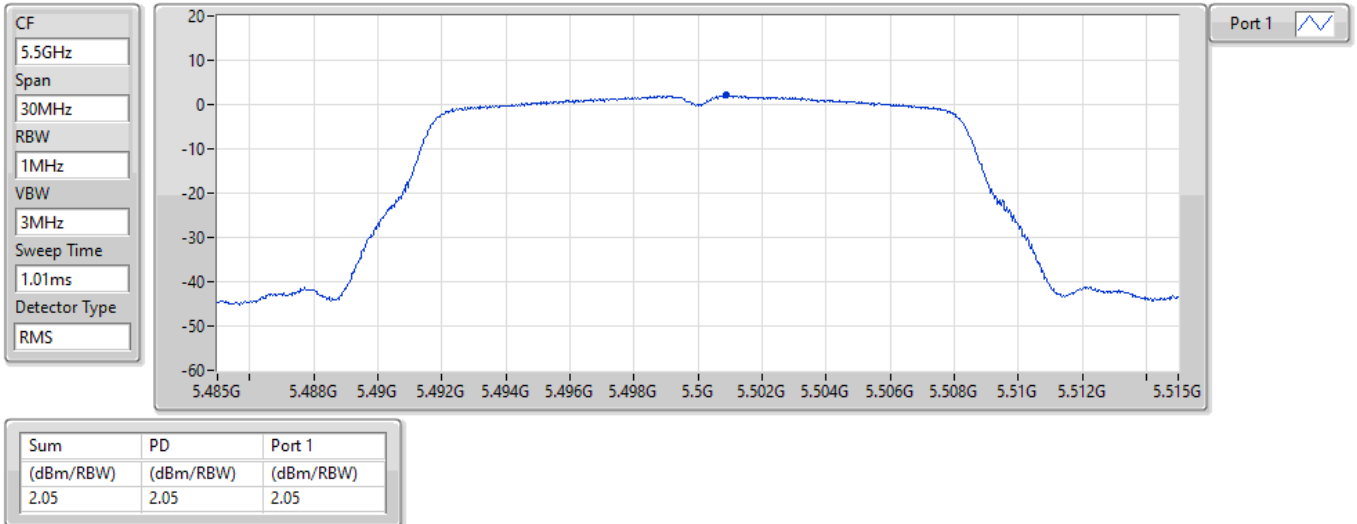
5320MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

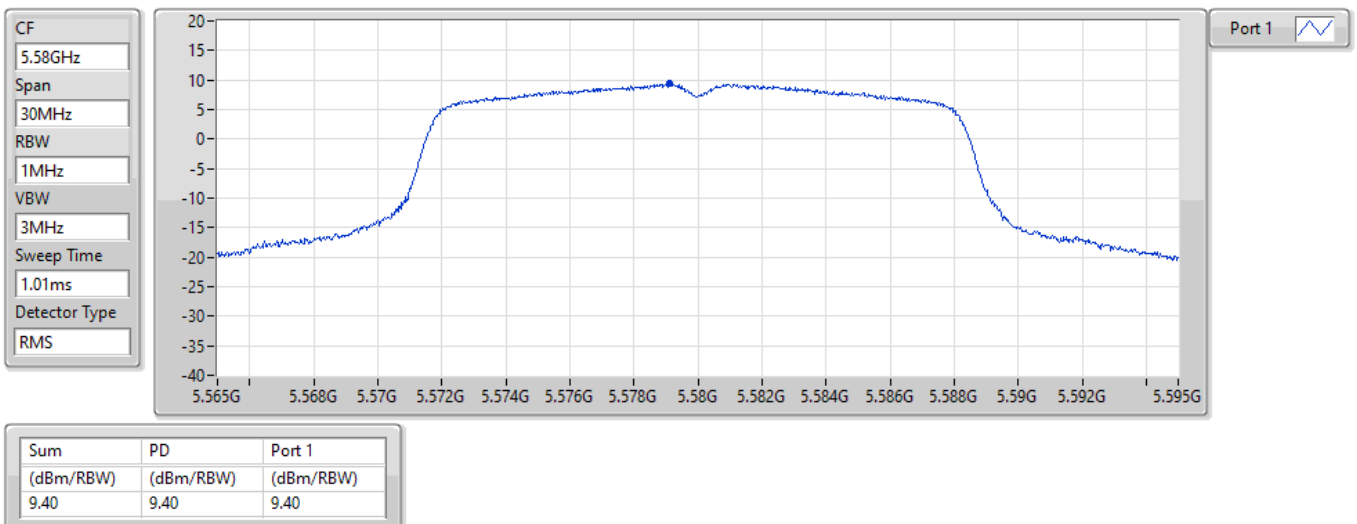
5500MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

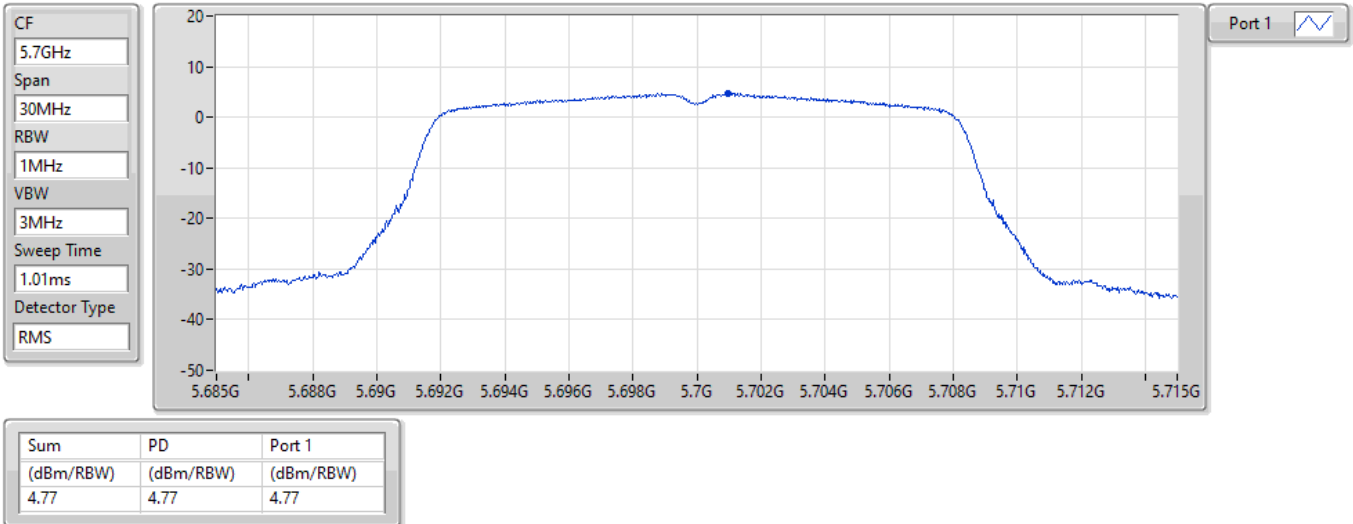
5580MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

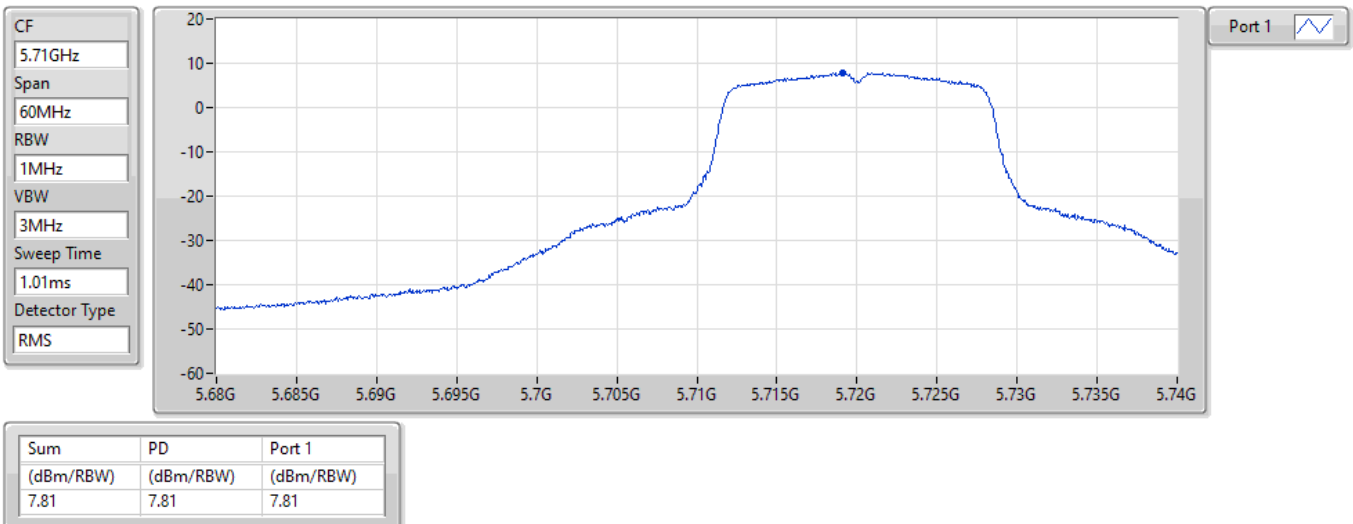
5700MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

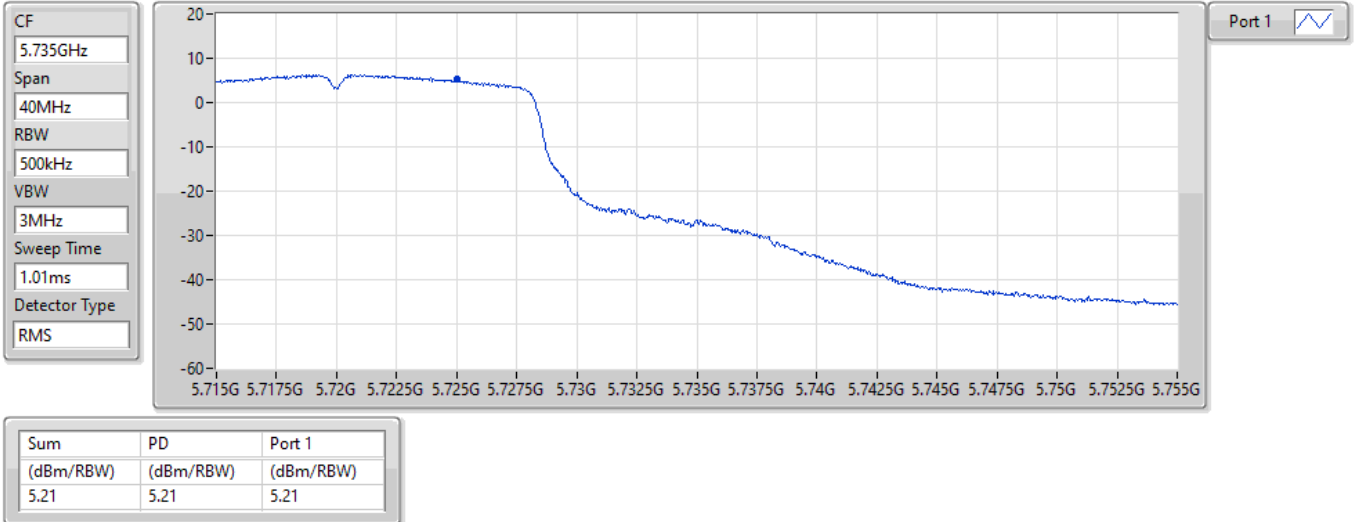
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

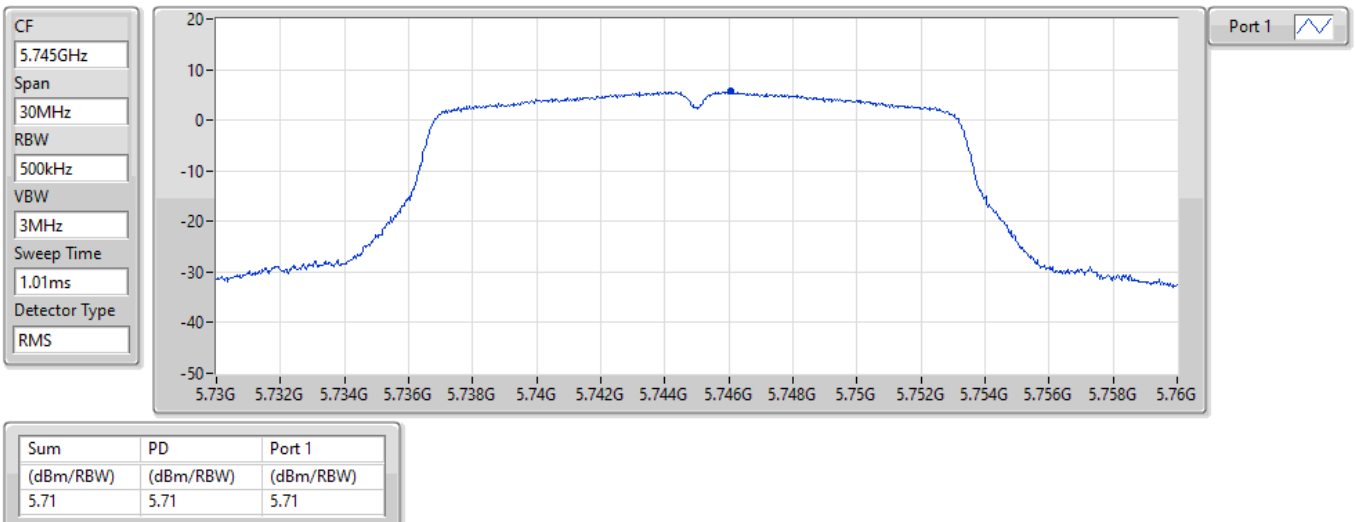
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

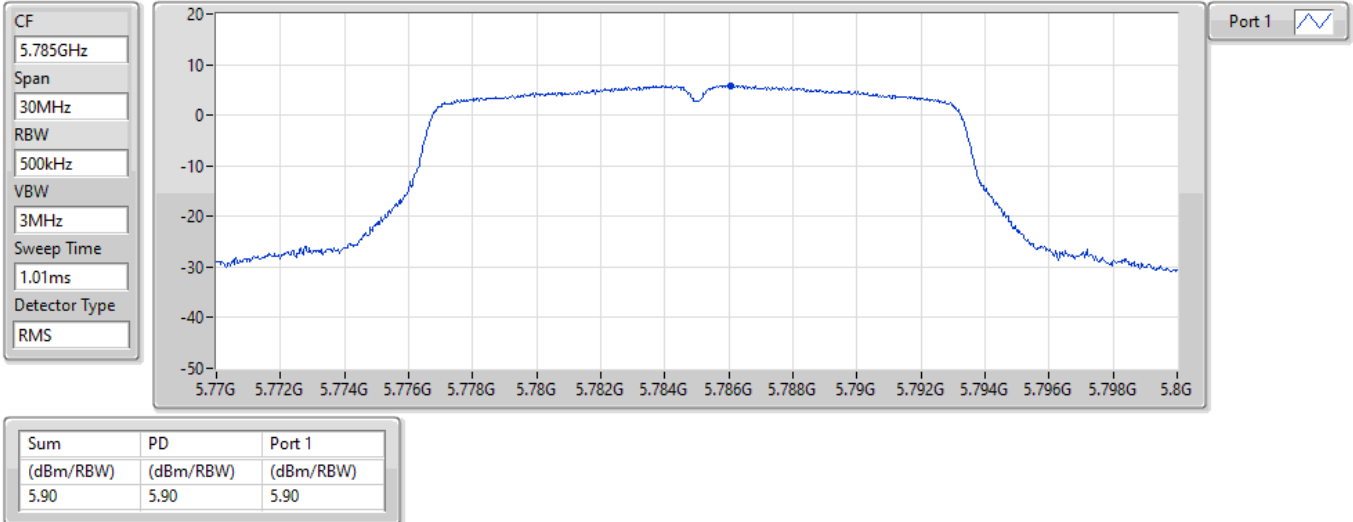
5745MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

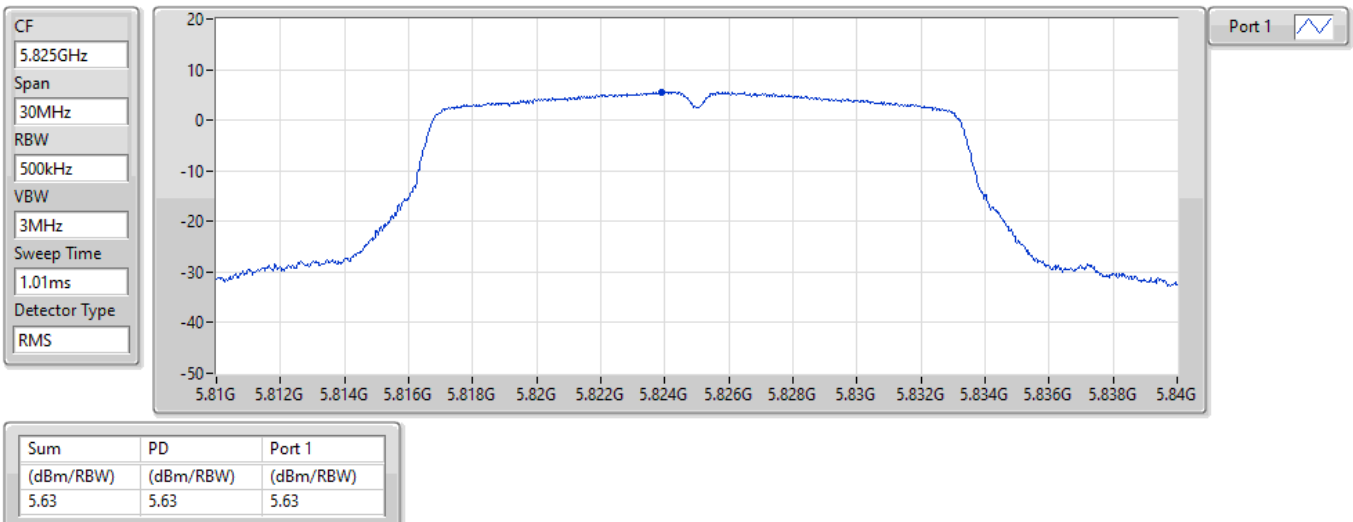
5785MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

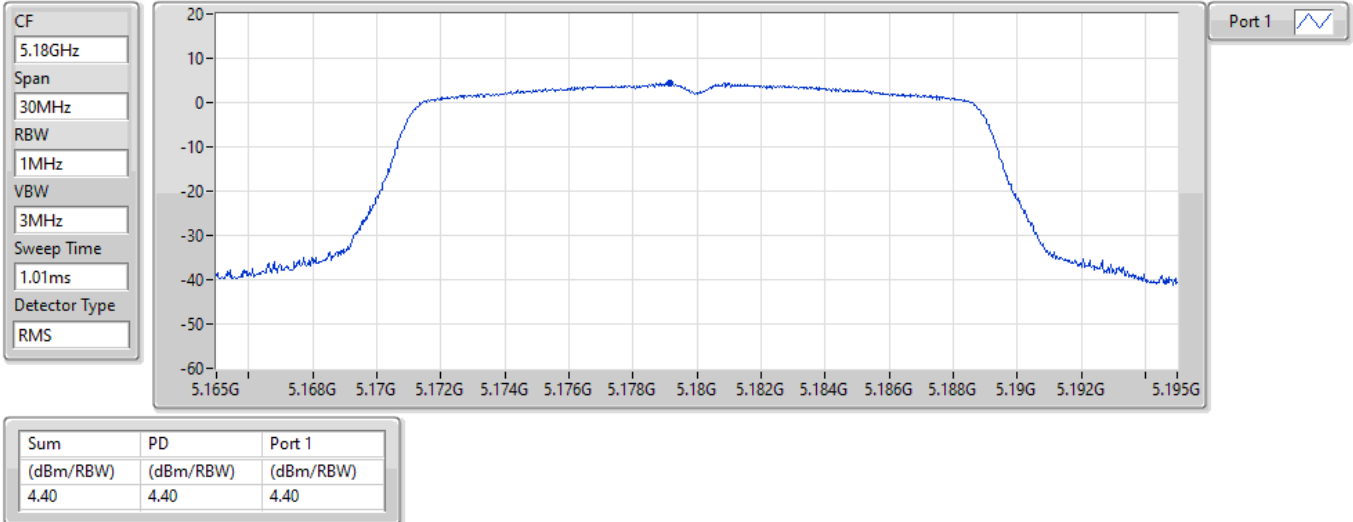
5825MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

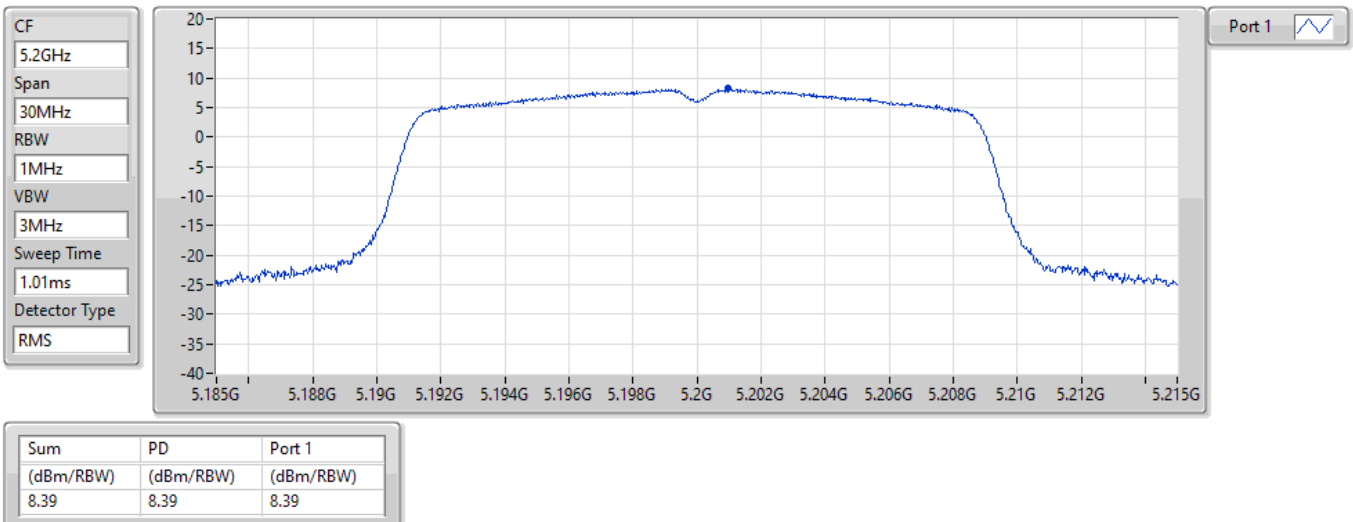
5180MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

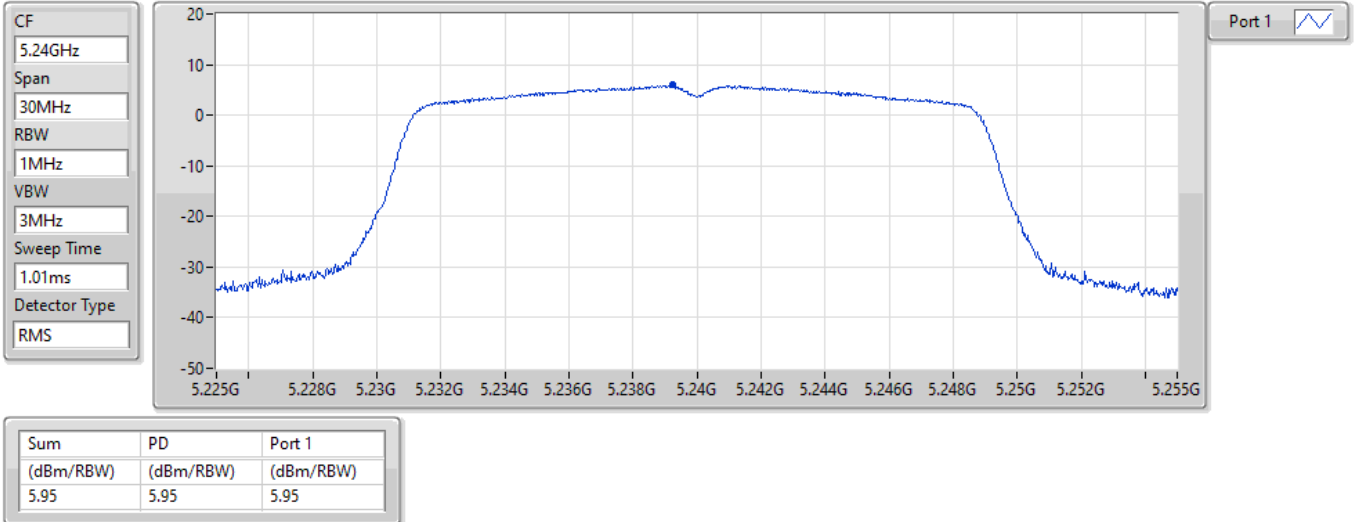
5200MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

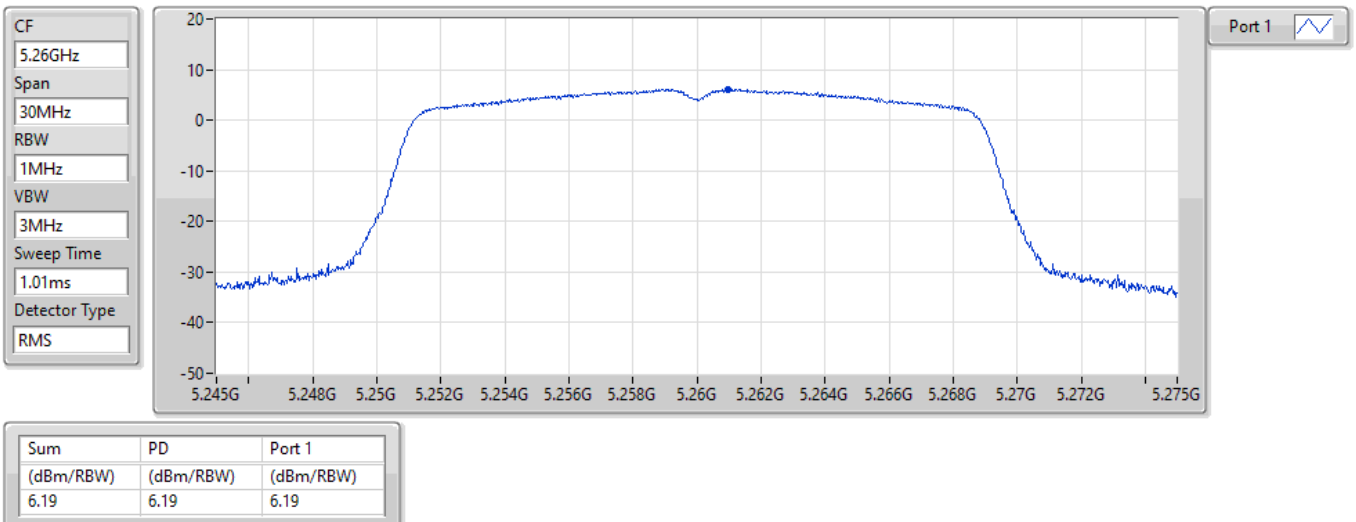
5240MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

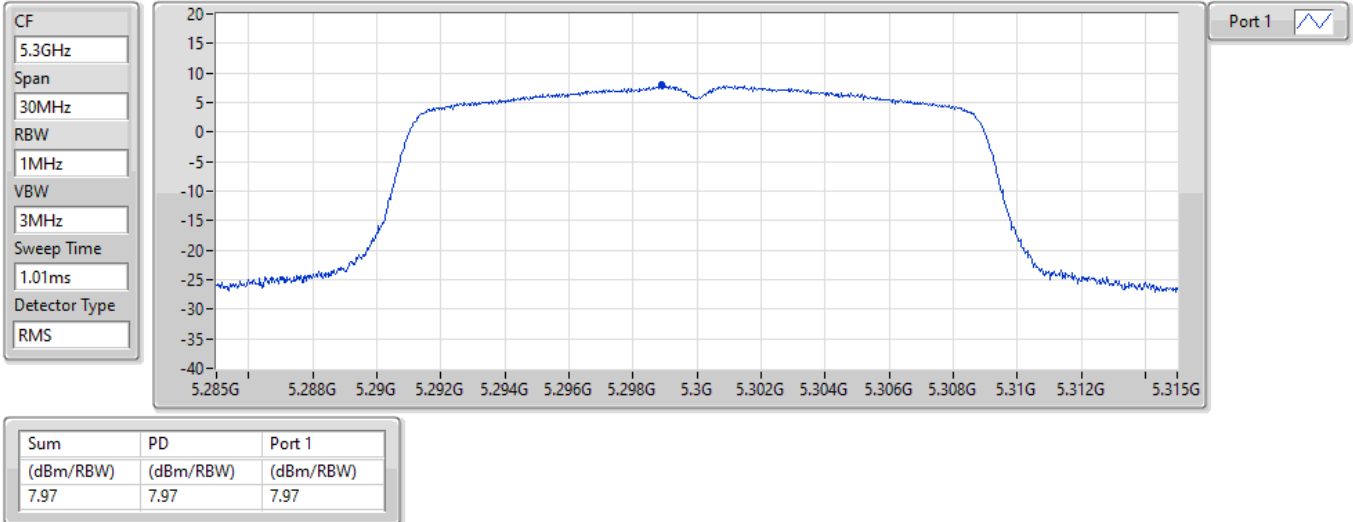
5260MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

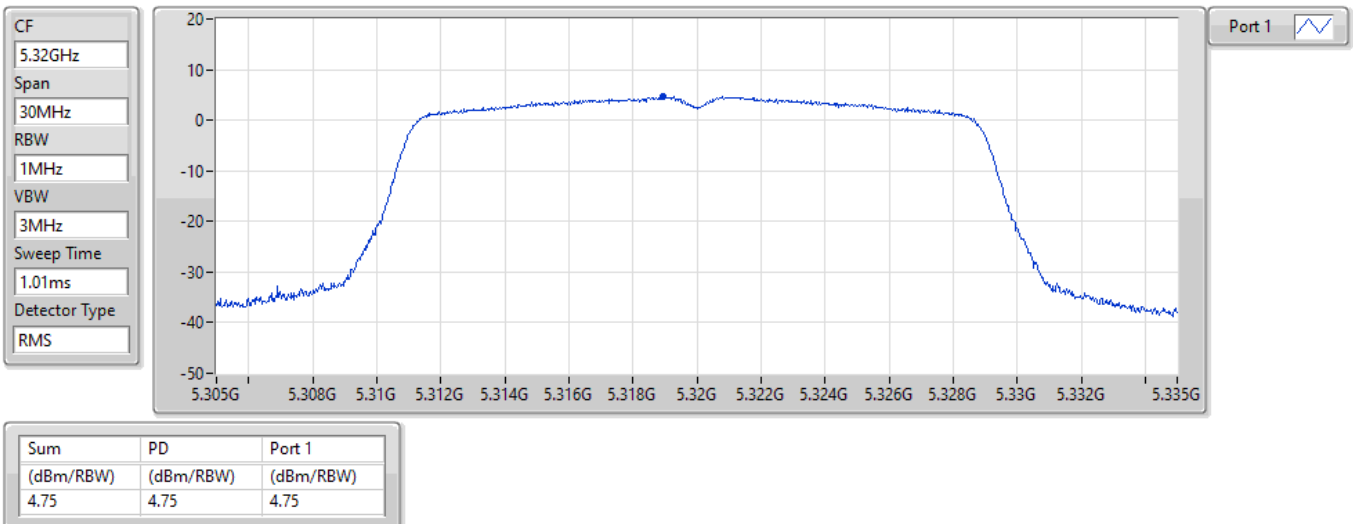
5300MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

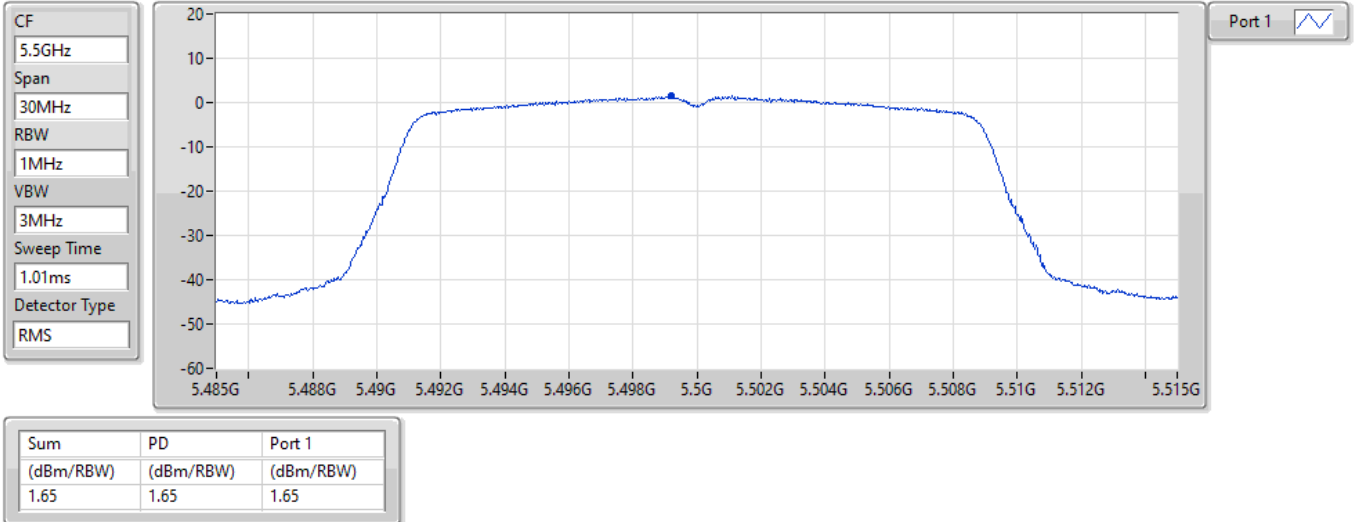
5320MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

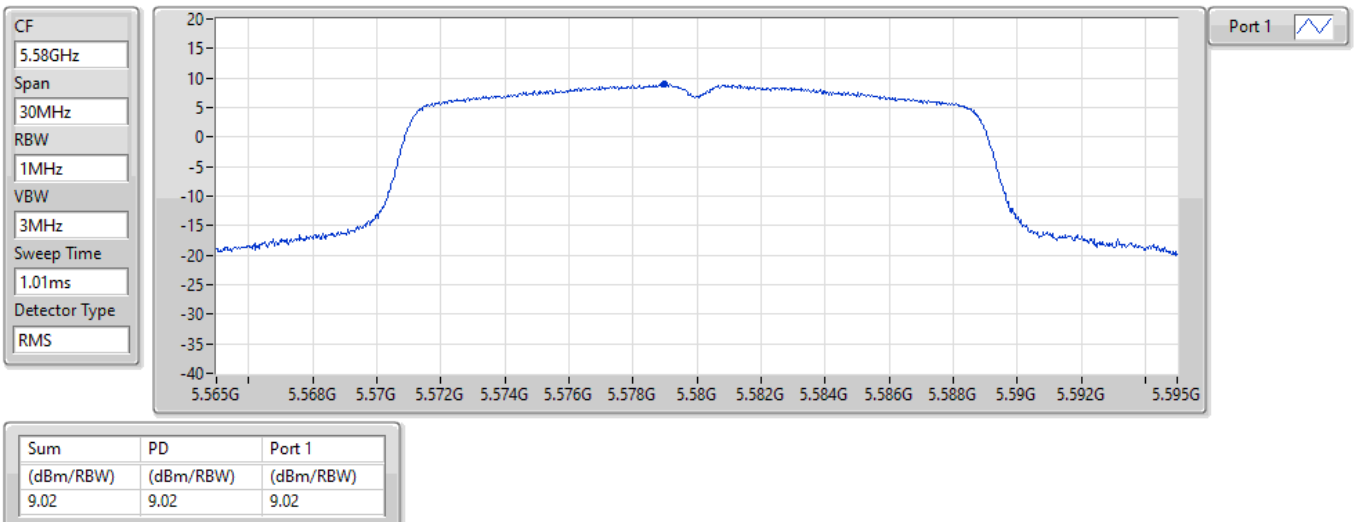
5500MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

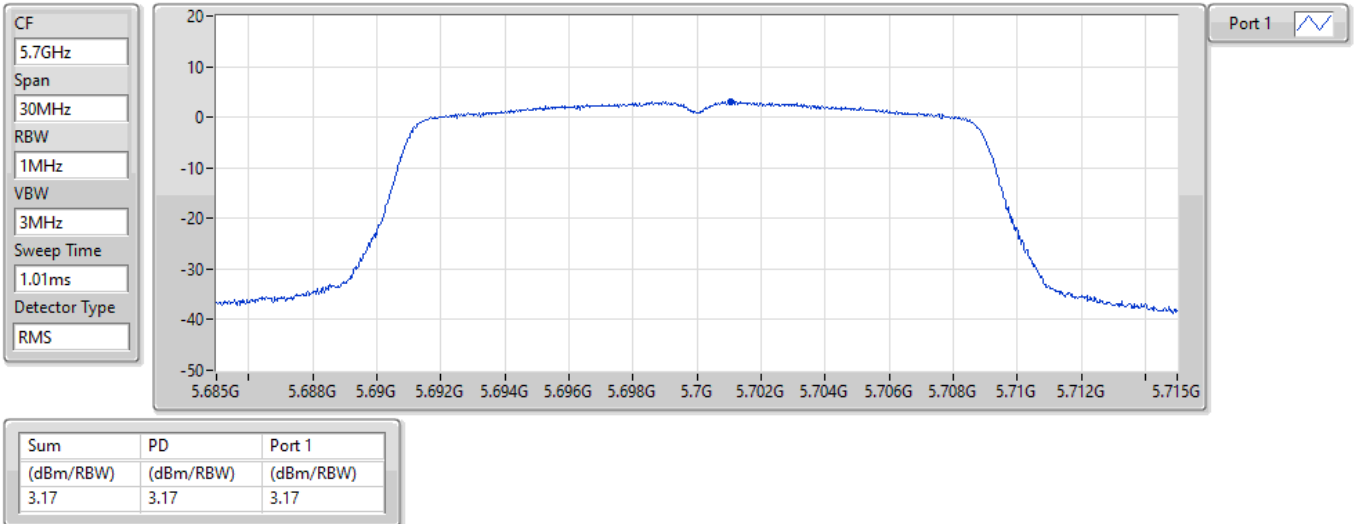
5580MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

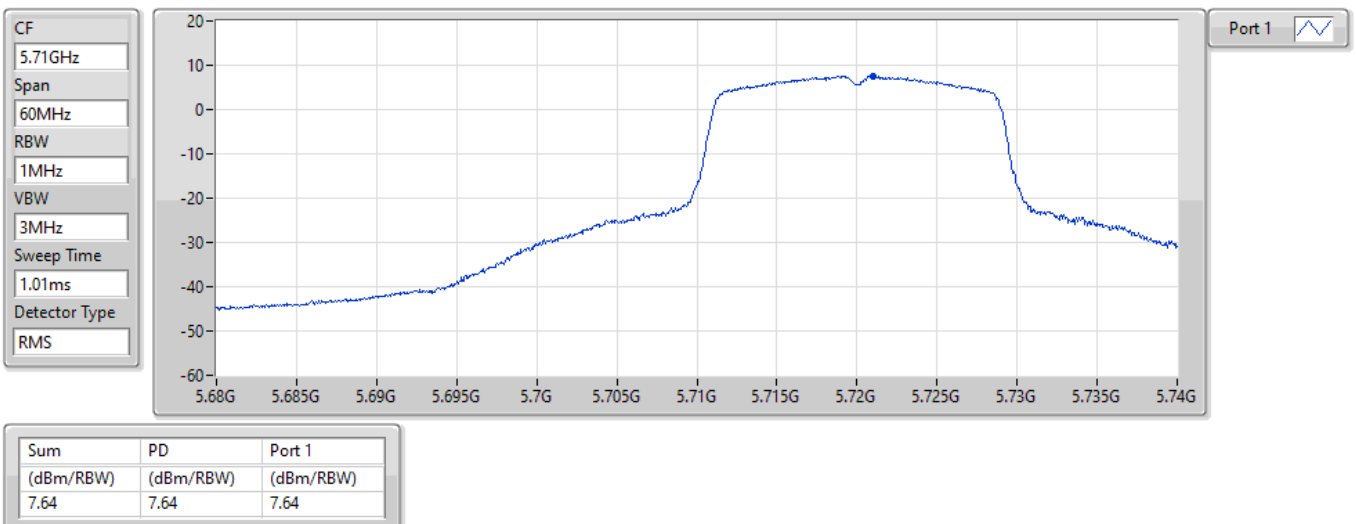
5700MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

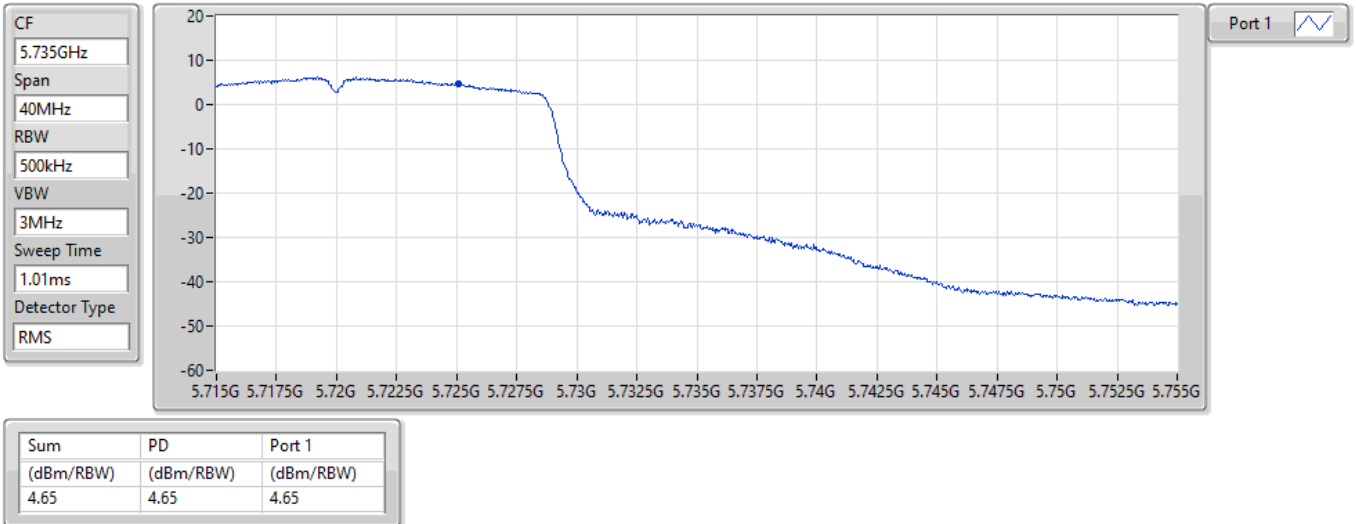
5720MHz Straddle 5.47-5.725GHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

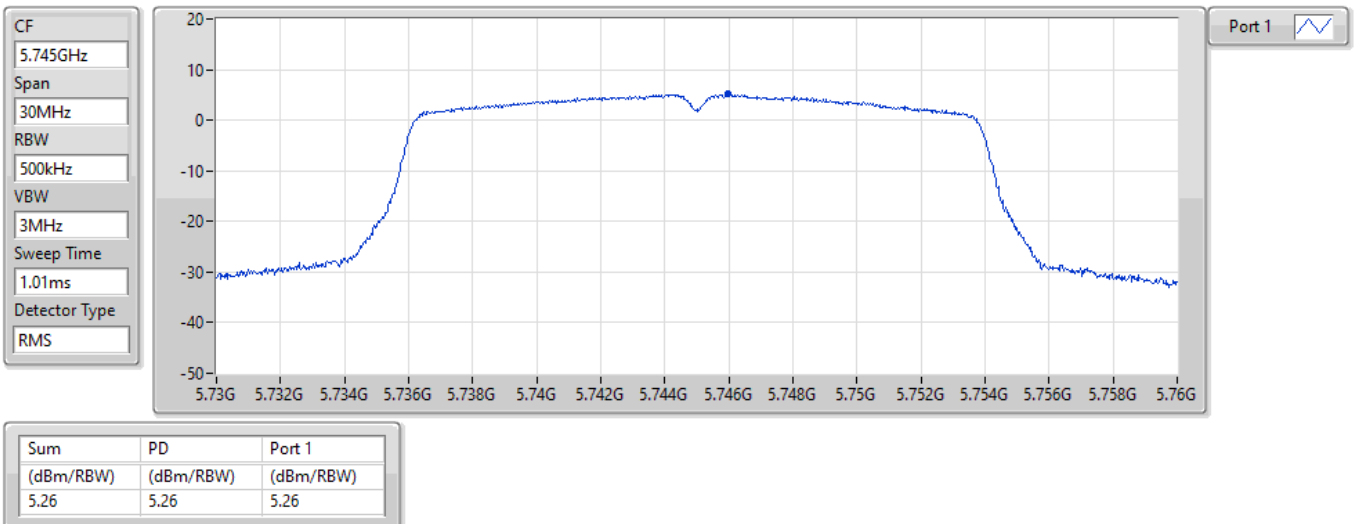
5720MHz Straddle 5.725-5.85GHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

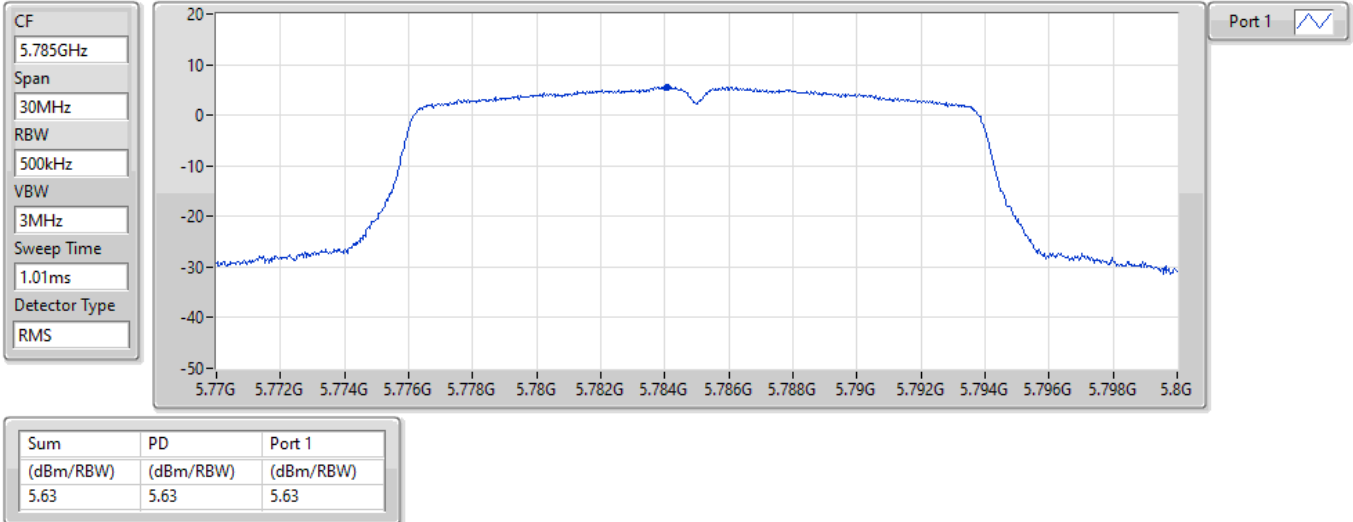
5745MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

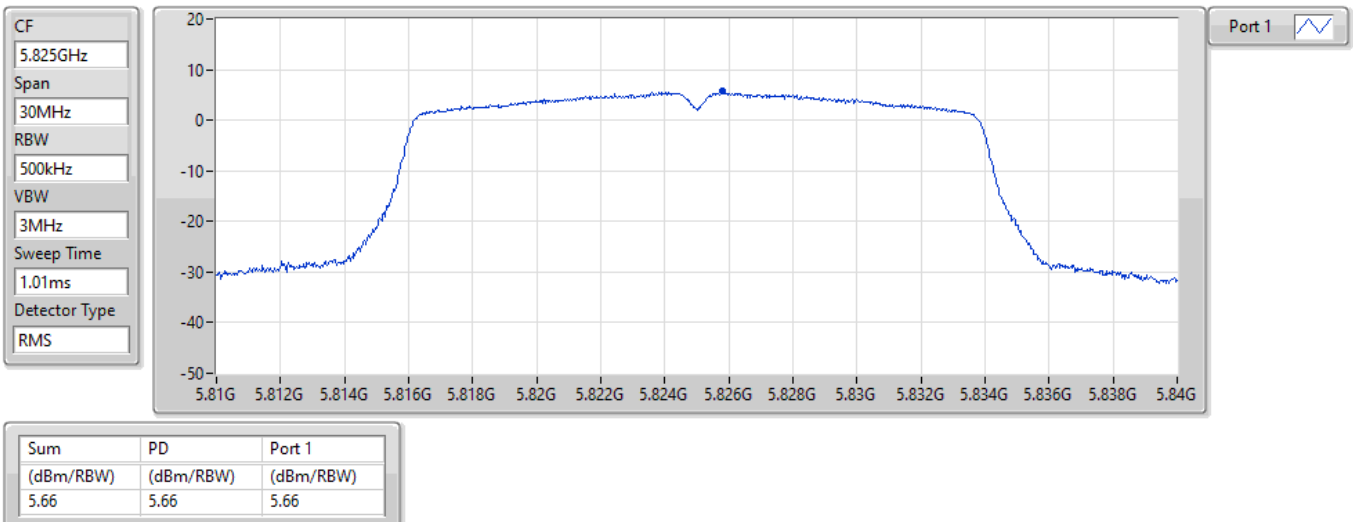
5785MHz



802.11n HT20_Nss1,(MCS0)_1TX

PSD

5825MHz





Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5580						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):23 Humidity(%):66									
Level (dBuV/m) CLASS-B 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	59.10	25.34	40.00	-14.66	34.69	-9.35	Peak	---	---
2	107.60	34.16	43.50	-9.34	46.25	-12.09	Peak	---	---
3	202.66	38.06	43.50	-5.44	49.98	-11.92	Peak	---	---
4	358.83	35.85	46.00	-10.15	42.57	-6.72	Peak	---	---
5	402.48	40.46	46.00	-5.54	46.18	-5.72	Peak	---	---
6	443.22	35.56	46.00	-10.44	39.99	-4.43	Peak	---	---
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)	5580
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):66			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):66			
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Brad Wu		Temperature(°C):23	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	69.42	34.86	40.00	-5.14	45.62	-10.76	Peak	---	---
2	120.65	32.64	43.50	-10.86	43.27	-10.63	Peak	---	---
3	130.91	32.58	43.50	-10.92	42.26	-9.68	Peak	---	---
4	204.51	39.04	43.50	-4.46	51.00	-11.96	Peak	---	---
5	384.26	35.98	46.00	-10.02	42.11	-6.13	Peak	---	---
6	443.67	36.51	46.00	-9.49	40.92	-4.41	Peak	---	---

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.



Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):23 Humidity(%):68									
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	50.38	54.00	-3.62	45.37	5.01	Average	254	207
2	5150.00	66.93	74.00	-7.07	61.92	5.01	Peak	254	207
3	10360.00	60.58	68.20	-7.62	46.37	14.21	Peak	200	281
4	15540.00	47.24	54.00	-6.76	33.60	13.64	Average	205	266
5	15540.00	61.55	74.00	-12.45	47.91	13.64	Peak	205	266

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)	5180																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
<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>48.24</td><td>54.00</td><td>-5.76</td><td>43.23</td><td>5.01</td><td>Average</td><td>346</td><td>175</td></tr><tr><td>2</td><td>5150.00</td><td>64.81</td><td>74.00</td><td>-9.19</td><td>59.80</td><td>5.01</td><td>Peak</td><td>346</td><td>175</td></tr><tr><td>3</td><td>10360.00</td><td>62.08</td><td>68.20</td><td>-6.12</td><td>47.87</td><td>14.21</td><td>Peak</td><td>198</td><td>255</td></tr><tr><td>4</td><td>15540.00</td><td>46.03</td><td>54.00</td><td>-7.97</td><td>32.39</td><td>13.64</td><td>Average</td><td>195</td><td>229</td></tr><tr><td>5</td><td>15540.00</td><td>60.32</td><td>74.00</td><td>-13.68</td><td>46.68</td><td>13.64</td><td>Peak</td><td>195</td><td>229</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	48.24	54.00	-5.76	43.23	5.01	Average	346	175	2	5150.00	64.81	74.00	-9.19	59.80	5.01	Peak	346	175	3	10360.00	62.08	68.20	-6.12	47.87	14.21	Peak	198	255	4	15540.00	46.03	54.00	-7.97	32.39	13.64	Average	195	229	5	15540.00	60.32	74.00	-13.68	46.68	13.64	Peak	195	229
	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	48.24	54.00	-5.76	43.23	5.01	Average	346	175																																																						
2	5150.00	64.81	74.00	-9.19	59.80	5.01	Peak	346	175																																																						
3	10360.00	62.08	68.20	-6.12	47.87	14.21	Peak	198	255																																																						
4	15540.00	46.03	54.00	-7.97	32.39	13.64	Average	195	229																																																						
5	15540.00	60.32	74.00	-13.68	46.68	13.64	Peak	195	229																																																						
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 :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
<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>50.45</td><td>54.00</td><td>-3.55</td><td>45.44</td><td>5.01</td><td>Average</td><td>258</td><td>208</td></tr><tr><td>2</td><td>5150.00</td><td>65.66</td><td>74.00</td><td>-8.34</td><td>60.65</td><td>5.01</td><td>Peak</td><td>258</td><td>208</td></tr><tr><td>3</td><td>10400.00</td><td>62.12</td><td>68.20</td><td>-6.08</td><td>47.79</td><td>14.33</td><td>Peak</td><td>217</td><td>269</td></tr><tr><td>4</td><td>15600.00</td><td>49.24</td><td>54.00</td><td>-4.76</td><td>35.91</td><td>13.33</td><td>Average</td><td>195</td><td>262</td></tr><tr><td>5</td><td>15600.00</td><td>63.83</td><td>74.00</td><td>-10.17</td><td>50.50</td><td>13.33</td><td>Peak</td><td>195</td><td>262</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	50.45	54.00	-3.55	45.44	5.01	Average	258	208	2	5150.00	65.66	74.00	-8.34	60.65	5.01	Peak	258	208	3	10400.00	62.12	68.20	-6.08	47.79	14.33	Peak	217	269	4	15600.00	49.24	54.00	-4.76	35.91	13.33	Average	195	262	5	15600.00	63.83	74.00	-10.17	50.50	13.33	Peak	195	262
	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)	5200																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
<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>48.07</td><td>54.00</td><td>-5.93</td><td>43.06</td><td>5.01</td><td>Average</td><td>345</td><td>178</td></tr><tr><td>2</td><td>5150.00</td><td>64.20</td><td>74.00</td><td>-9.80</td><td>59.19</td><td>5.01</td><td>Peak</td><td>345</td><td>178</td></tr><tr><td>3</td><td>10400.00</td><td>64.52</td><td>68.20</td><td>-3.68</td><td>50.19</td><td>14.33</td><td>Peak</td><td>219</td><td>212</td></tr><tr><td>4</td><td>15600.00</td><td>49.42</td><td>54.00</td><td>-4.58</td><td>36.09</td><td>13.33</td><td>Average</td><td>183</td><td>233</td></tr><tr><td>5</td><td>15600.00</td><td>62.93</td><td>74.00</td><td>-11.07</td><td>49.60</td><td>13.33</td><td>Peak</td><td>183</td><td>233</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	48.07	54.00	-5.93	43.06	5.01	Average	345	178	2	5150.00	64.20	74.00	-9.80	59.19	5.01	Peak	345	178	3	10400.00	64.52	68.20	-3.68	50.19	14.33	Peak	219	212	4	15600.00	49.42	54.00	-4.58	36.09	13.33	Average	183	233	5	15600.00	62.93	74.00	-11.07	49.60	13.33	Peak	183	233
	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	48.07	54.00	-5.93	43.06	5.01	Average	345	178																																																						
2	5150.00	64.20	74.00	-9.80	59.19	5.01	Peak	345	178																																																						
3	10400.00	64.52	68.20	-3.68	50.19	14.33	Peak	219	212																																																						
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Modulation	11a	Test Freq. (MHz)	5240																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
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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)	5240																																																												
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Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
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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)		5260																																																																
Polarization	Horizontal																																																																				
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																															
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>46.40</td><td>54.00</td><td>-7.60</td><td>41.98</td><td>4.42</td><td>Average</td><td>243</td><td>209</td></tr><tr><td>2</td><td>5350.00</td><td>60.11</td><td>74.00</td><td>-13.89</td><td>55.69</td><td>4.42</td><td>Peak</td><td>243</td><td>209</td></tr><tr><td>3</td><td>10520.00</td><td>62.24</td><td>68.20</td><td>-5.96</td><td>47.77</td><td>14.47</td><td>Peak</td><td>205</td><td>278</td></tr><tr><td>4</td><td>15780.00</td><td>47.64</td><td>54.00</td><td>-6.36</td><td>34.16</td><td>13.48</td><td>Average</td><td>210</td><td>266</td></tr><tr><td>5</td><td>15780.00</td><td>61.65</td><td>74.00</td><td>-12.35</td><td>48.17</td><td>13.48</td><td>Peak</td><td>210</td><td>266</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	46.40	54.00	-7.60	41.98	4.42	Average	243	209	2	5350.00	60.11	74.00	-13.89	55.69	4.42	Peak	243	209	3	10520.00	62.24	68.20	-5.96	47.77	14.47	Peak	205	278	4	15780.00	47.64	54.00	-6.36	34.16	13.48	Average	210	266	5	15780.00	61.65	74.00	-12.35	48.17	13.48	Peak	210	266
	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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	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																																																																						
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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)		5320																																																																							
Polarization	Horizontal																																																																											
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																												
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Polarization	Horizontal																																																																								
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																									
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Modulation	11a	Test Freq. (MHz)	5500																																																																						
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Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):68			
Level (dBUV/m)			



Modulation	11a	Test Freq. (MHz)	5580																																																																																
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Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																					
<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>62.48</td><td>68.20</td><td>-5.72</td><td>57.31</td><td>5.17</td><td>Peak</td><td>345</td><td>196</td></tr><tr><td>2</td><td>11400.00</td><td>45.11</td><td>54.00</td><td>-8.89</td><td>30.97</td><td>14.14</td><td>Average</td><td>100</td><td>226</td></tr><tr><td>3</td><td>11400.00</td><td>58.60</td><td>74.00</td><td>-15.40</td><td>44.46</td><td>14.14</td><td>Peak</td><td>100</td><td>226</td></tr><tr><td>4</td><td>17100.00</td><td>61.66</td><td>68.20</td><td>-6.54</td><td>44.24</td><td>17.42</td><td>Peak</td><td>184</td><td>223</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	62.48	68.20	-5.72	57.31	5.17	Peak	345	196	2	11400.00	45.11	54.00	-8.89	30.97	14.14	Average	100	226	3	11400.00	58.60	74.00	-15.40	44.46	14.14	Peak	100	226	4	17100.00	61.66	68.20	-6.54	44.24	17.42	Peak	184	223
	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	62.48	68.20	-5.72	57.31	5.17	Peak	345	196																																												
2	11400.00	45.11	54.00	-8.89	30.97	14.14	Average	100	226																																												
3	11400.00	58.60	74.00	-15.40	44.46	14.14	Peak	100	226																																												
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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 :Brad Wu			Temperature(°C):23			Humidity(%):68			
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	45.04	54.00	-8.96	40.37	4.67	Average	253	213
2	5460.00	58.12	74.00	-15.88	53.45	4.67	Peak	253	213
3	5470.00	58.35	68.20	-9.85	53.65	4.70	Peak	253	213
4	5850.00	59.86	68.20	-8.34	54.21	5.65	Peak	253	213
5	11440.00	45.36	54.00	-8.64	31.10	14.26	Average	205	288
6	11440.00	57.52	74.00	-16.48	43.26	14.26	Peak	205	288
7	17160.00	64.45	68.20	-3.75	47.03	17.42	Peak	205	269
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	Vertical																																																																																		
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																																			
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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)	5745																																																																																										
Polarization	Horizontal																																																																																												
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																																													
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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)		5745																																																																																																																		
Polarization	Vertical																																																																																																																						
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																																																	
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>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></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5650.00</td><td>58.91</td><td>68.20</td><td>-9.29</td><td>54.10</td><td>4.81</td><td>Peak</td><td>358</td><td>196</td></tr><tr><td>2</td><td>5700.00</td><td>59.45</td><td>105.20</td><td>-45.75</td><td>54.43</td><td>5.02</td><td>Peak</td><td>358</td><td>196</td></tr><tr><td>3</td><td>5720.00</td><td>64.21</td><td>110.80</td><td>-46.59</td><td>59.07</td><td>5.14</td><td>Peak</td><td>358</td><td>196</td></tr><tr><td>4</td><td>5725.00</td><td>72.68</td><td>122.20</td><td>-49.52</td><td>67.51</td><td>5.17</td><td>Peak</td><td>358</td><td>196</td></tr><tr><td>5</td><td>5925.00</td><td>59.46</td><td>68.20</td><td>-8.74</td><td>53.85</td><td>5.61</td><td>Peak</td><td>358</td><td>196</td></tr><tr><td>6</td><td>11490.00</td><td>45.65</td><td>54.00</td><td>-8.35</td><td>31.26</td><td>14.39</td><td>Average</td><td>210</td><td>292</td></tr><tr><td>7</td><td>11490.00</td><td>58.63</td><td>74.00</td><td>-15.37</td><td>44.24</td><td>14.39</td><td>Peak</td><td>210</td><td>292</td></tr><tr><td>8</td><td>17235.00</td><td>64.32</td><td>68.20</td><td>-3.88</td><td>46.86</td><td>17.46</td><td>Peak</td><td>192</td><td>143</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	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m	dBuV/m		dBuV			cm	deg	1	5650.00	58.91	68.20	-9.29	54.10	4.81	Peak	358	196	2	5700.00	59.45	105.20	-45.75	54.43	5.02	Peak	358	196	3	5720.00	64.21	110.80	-46.59	59.07	5.14	Peak	358	196	4	5725.00	72.68	122.20	-49.52	67.51	5.17	Peak	358	196	5	5925.00	59.46	68.20	-8.74	53.85	5.61	Peak	358	196	6	11490.00	45.65	54.00	-8.35	31.26	14.39	Average	210	292	7	11490.00	58.63	74.00	-15.37	44.24	14.39	Peak	210	292	8	17235.00	64.32	68.20	-3.88	46.86	17.46	Peak	192	143
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																														
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																														
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Modulation	11a	Test Freq. (MHz)	5785																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
Level (dBUV/m) UNII 3-PK UNII 3-AV 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>5650.00</td><td>58.74</td><td>68.20</td><td>-9.46</td><td>53.93</td><td>4.81</td><td>Peak</td><td>260</td><td>209</td></tr><tr><td>2</td><td>5925.00</td><td>58.90</td><td>68.20</td><td>-9.30</td><td>53.29</td><td>5.61</td><td>Peak</td><td>260</td><td>209</td></tr><tr><td>3</td><td>11570.00</td><td>43.37</td><td>54.00</td><td>-10.63</td><td>29.12</td><td>14.25</td><td>Average</td><td>202</td><td>215</td></tr><tr><td>4</td><td>11570.00</td><td>56.40</td><td>74.00</td><td>-17.60</td><td>42.15</td><td>14.25</td><td>Peak</td><td>202</td><td>215</td></tr><tr><td>5</td><td>17355.00</td><td>61.31</td><td>68.20</td><td>-6.89</td><td>43.40</td><td>17.91</td><td>Peak</td><td>201</td><td>282</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	58.74	68.20	-9.46	53.93	4.81	Peak	260	209	2	5925.00	58.90	68.20	-9.30	53.29	5.61	Peak	260	209	3	11570.00	43.37	54.00	-10.63	29.12	14.25	Average	202	215	4	11570.00	56.40	74.00	-17.60	42.15	14.25	Peak	202	215	5	17355.00	61.31	68.20	-6.89	43.40	17.91	Peak	201	282
	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	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
<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>58.48</td><td>68.20</td><td>-9.72</td><td>53.67</td><td>4.81</td><td>Peak</td><td>360</td><td>194</td></tr><tr><td>2</td><td>5925.00</td><td>59.06</td><td>68.20</td><td>-9.14</td><td>53.45</td><td>5.61</td><td>Peak</td><td>360</td><td>194</td></tr><tr><td>3</td><td>11570.00</td><td>46.31</td><td>54.00</td><td>-7.69</td><td>32.06</td><td>14.25</td><td>Average</td><td>220</td><td>302</td></tr><tr><td>4</td><td>11570.00</td><td>59.37</td><td>74.00</td><td>-14.63</td><td>45.12</td><td>14.25</td><td>Peak</td><td>220</td><td>302</td></tr><tr><td>5</td><td>17355.00</td><td>64.21</td><td>68.20</td><td>-3.99</td><td>46.30</td><td>17.91</td><td>Peak</td><td>189</td><td>139</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	58.48	68.20	-9.72	53.67	4.81	Peak	360	194	2	5925.00	59.06	68.20	-9.14	53.45	5.61	Peak	360	194	3	11570.00	46.31	54.00	-7.69	32.06	14.25	Average	220	302	4	11570.00	59.37	74.00	-14.63	45.12	14.25	Peak	220	302	5	17355.00	64.21	68.20	-3.99	46.30	17.91	Peak	189	139
	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)	5825																																																																																										
Polarization	Horizontal																																																																																												
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																																													
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>5650.00</td><td>59.34</td><td>68.20</td><td>-8.86</td><td>54.53</td><td>4.81</td><td>Peak</td><td>238</td><td>211</td></tr><tr><td>2</td><td>5850.00</td><td>67.30</td><td>122.20</td><td>-54.90</td><td>61.65</td><td>5.65</td><td>Peak</td><td>238</td><td>211</td></tr><tr><td>3</td><td>5855.00</td><td>64.61</td><td>110.80</td><td>-46.19</td><td>58.96</td><td>5.65</td><td>Peak</td><td>238</td><td>211</td></tr><tr><td>4</td><td>5875.00</td><td>60.07</td><td>105.20</td><td>-45.13</td><td>54.41</td><td>5.66</td><td>Peak</td><td>238</td><td>211</td></tr><tr><td>5</td><td>5925.00</td><td>59.92</td><td>68.20</td><td>-8.28</td><td>54.31</td><td>5.61</td><td>Peak</td><td>238</td><td>211</td></tr><tr><td>6</td><td>11650.00</td><td>43.46</td><td>54.00</td><td>-10.54</td><td>29.56</td><td>13.90</td><td>Average</td><td>205</td><td>224</td></tr><tr><td>7</td><td>11650.00</td><td>56.45</td><td>74.00</td><td>-17.55</td><td>42.55</td><td>13.90</td><td>Peak</td><td>205</td><td>224</td></tr><tr><td>8</td><td>17475.00</td><td>62.36</td><td>68.20</td><td>-5.84</td><td>43.81</td><td>18.55</td><td>Peak</td><td>200</td><td>276</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	59.34	68.20	-8.86	54.53	4.81	Peak	238	211	2	5850.00	67.30	122.20	-54.90	61.65	5.65	Peak	238	211	3	5855.00	64.61	110.80	-46.19	58.96	5.65	Peak	238	211	4	5875.00	60.07	105.20	-45.13	54.41	5.66	Peak	238	211	5	5925.00	59.92	68.20	-8.28	54.31	5.61	Peak	238	211	6	11650.00	43.46	54.00	-10.54	29.56	13.90	Average	205	224	7	11650.00	56.45	74.00	-17.55	42.55	13.90	Peak	205	224	8	17475.00	62.36	68.20	-5.84	43.81	18.55	Peak	200	276
	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)		5825																																																																																																																		
Polarization	Vertical																																																																																																																						
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																																																	
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	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																														
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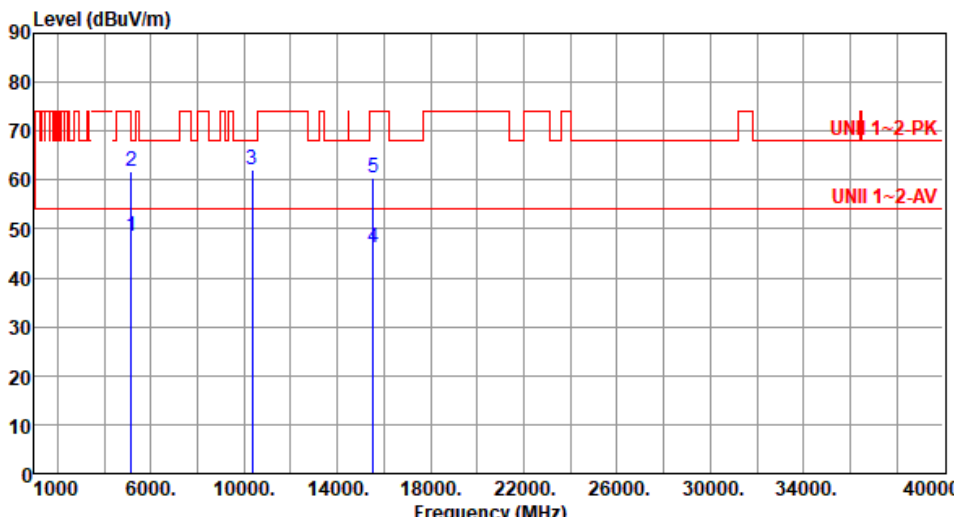


Unwanted Emissions (Above 1GHz) for HT20

Modulation	HT20	Test Freq. (MHz)	5180						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):23 Humidity(%):68									
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	50.42	54.00	-3.58	45.41	5.01	Average	255	209
2	5150.00	65.99	74.00	-8.01	60.98	5.01	Peak	255	209
3	10360.00	60.62	68.20	-7.58	46.41	14.21	Peak	201	286
4	15540.00	47.29	54.00	-6.71	33.65	13.64	Average	203	265
5	15540.00	61.65	74.00	-12.35	48.01	13.64	Peak	203	265

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)		5180																																																																																				
Polarization	Vertical																																																																																								
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																			
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>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>5150.00</td><td>48.35</td><td>54.00</td><td>-5.65</td><td>43.34</td><td>5.01</td><td>Average</td><td>345</td><td>176</td></tr><tr><td>2</td><td>5150.00</td><td>61.88</td><td>74.00</td><td>-12.12</td><td>56.87</td><td>5.01</td><td>Peak</td><td>345</td><td>176</td></tr><tr><td>3</td><td>10360.00</td><td>62.15</td><td>68.20</td><td>-6.05</td><td>47.94</td><td>14.21</td><td>Peak</td><td>203</td><td>256</td></tr><tr><td>4</td><td>15540.00</td><td>46.11</td><td>54.00</td><td>-7.89</td><td>32.47</td><td>13.64</td><td>Average</td><td>199</td><td>225</td></tr><tr><td>5</td><td>15540.00</td><td>60.38</td><td>74.00</td><td>-13.62</td><td>46.74</td><td>13.64</td><td>Peak</td><td>199</td><td>225</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	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m			dBuV			cm	deg	1	5150.00	48.35	54.00	-5.65	43.34	5.01	Average	345	176	2	5150.00	61.88	74.00	-12.12	56.87	5.01	Peak	345	176	3	10360.00	62.15	68.20	-6.05	47.94	14.21	Peak	203	256	4	15540.00	46.11	54.00	-7.89	32.47	13.64	Average	199	225	5	15540.00	60.38	74.00	-13.62	46.74	13.64	Peak	199	225
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Modulation	HT20	Test Freq. (MHz)	5200																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
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Modulation	HT20	Test Freq. (MHz)	5200																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
<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>47.96</td><td>54.00</td><td>-6.04</td><td>42.95</td><td>5.01</td><td>Average</td><td>344</td><td>179</td></tr><tr><td>2</td><td>5150.00</td><td>64.15</td><td>74.00</td><td>-9.85</td><td>59.14</td><td>5.01</td><td>Peak</td><td>344</td><td>179</td></tr><tr><td>3</td><td>10400.00</td><td>64.42</td><td>68.20</td><td>-3.78</td><td>50.09</td><td>14.33</td><td>Peak</td><td>220</td><td>215</td></tr><tr><td>4</td><td>15600.00</td><td>47.35</td><td>54.00</td><td>-6.65</td><td>34.02</td><td>13.33</td><td>Average</td><td>188</td><td>235</td></tr><tr><td>5</td><td>15600.00</td><td>61.89</td><td>74.00</td><td>-12.11</td><td>48.56</td><td>13.33</td><td>Peak</td><td>188</td><td>235</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	47.96	54.00	-6.04	42.95	5.01	Average	344	179	2	5150.00	64.15	74.00	-9.85	59.14	5.01	Peak	344	179	3	10400.00	64.42	68.20	-3.78	50.09	14.33	Peak	220	215	4	15600.00	47.35	54.00	-6.65	34.02	13.33	Average	188	235	5	15600.00	61.89	74.00	-12.11	48.56	13.33	Peak	188	235
	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 :Brad Wu Temperature(°C):23 Humidity(%):68																																																															
Level (dBUV/m) UNI 1~2-PK UNII 1~2-AV 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>46.32</td><td>54.00</td><td>-7.68</td><td>41.31</td><td>5.01</td><td>Average</td><td>249</td><td>215</td></tr><tr><td>2</td><td>5150.00</td><td>60.18</td><td>74.00</td><td>-13.82</td><td>55.17</td><td>5.01</td><td>Peak</td><td>249</td><td>215</td></tr><tr><td>3</td><td>10480.00</td><td>62.24</td><td>68.20</td><td>-5.96</td><td>47.78</td><td>14.46</td><td>Peak</td><td>203</td><td>281</td></tr><tr><td>4</td><td>15720.00</td><td>47.65</td><td>54.00</td><td>-6.35</td><td>34.23</td><td>13.42</td><td>Average</td><td>211</td><td>265</td></tr><tr><td>5</td><td>15720.00</td><td>61.68</td><td>74.00</td><td>-12.32</td><td>48.26</td><td>13.42</td><td>Peak</td><td>211</td><td>265</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	46.32	54.00	-7.68	41.31	5.01	Average	249	215	2	5150.00	60.18	74.00	-13.82	55.17	5.01	Peak	249	215	3	10480.00	62.24	68.20	-5.96	47.78	14.46	Peak	203	281	4	15720.00	47.65	54.00	-6.35	34.23	13.42	Average	211	265	5	15720.00	61.68	74.00	-12.32	48.26	13.42	Peak	211	265
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Modulation	HT20	Test Freq. (MHz)	5240																																																												
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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)	5260																																																												
Polarization	Horizontal																																																														
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Modulation	HT20	Test Freq. (MHz)	5260																																																												
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Modulation	HT20		Test Freq. (MHz)		5300																																																																																														
Polarization	Horizontal																																																																																																		
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																													
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>5350.00</td><td>50.32</td><td>54.00</td><td>-3.68</td><td>45.90</td><td>4.42</td><td>Average</td><td>242</td><td>208</td></tr><tr><td>2</td><td>5350.00</td><td>65.88</td><td>74.00</td><td>-8.12</td><td>61.46</td><td>4.42</td><td>Peak</td><td>242</td><td>208</td></tr><tr><td>3</td><td>10600.00</td><td>47.85</td><td>54.00</td><td>-6.15</td><td>33.50</td><td>14.35</td><td>Average</td><td>203</td><td>274</td></tr><tr><td>4</td><td>10600.00</td><td>61.42</td><td>74.00</td><td>-12.58</td><td>47.07</td><td>14.35</td><td>Peak</td><td>203</td><td>274</td></tr><tr><td>5</td><td>15900.00</td><td>48.72</td><td>54.00</td><td>-5.28</td><td>35.15</td><td>13.57</td><td>Average</td><td>211</td><td>265</td></tr><tr><td>6</td><td>15900.00</td><td>62.68</td><td>74.00</td><td>-11.32</td><td>49.11</td><td>13.57</td><td>Peak</td><td>211</td><td>265</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	5350.00	50.32	54.00	-3.68	45.90	4.42	Average	242	208	2	5350.00	65.88	74.00	-8.12	61.46	4.42	Peak	242	208	3	10600.00	47.85	54.00	-6.15	33.50	14.35	Average	203	274	4	10600.00	61.42	74.00	-12.58	47.07	14.35	Peak	203	274	5	15900.00	48.72	54.00	-5.28	35.15	13.57	Average	211	265	6	15900.00	62.68	74.00	-11.32	49.11	13.57	Peak	211	265
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Modulation	HT20		Test Freq. (MHz)		5300																																																																																														
Polarization	Vertical																																																																																																		
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																													
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>5350.00</td><td>47.69</td><td>54.00</td><td>-6.31</td><td>43.27</td><td>4.42</td><td>Average</td><td>346</td><td>188</td></tr><tr><td>2</td><td>5350.00</td><td>63.18</td><td>74.00</td><td>-10.82</td><td>58.76</td><td>4.42</td><td>Peak</td><td>346</td><td>188</td></tr><tr><td>3</td><td>10600.00</td><td>50.18</td><td>54.00</td><td>-3.82</td><td>35.83</td><td>14.35</td><td>Average</td><td>205</td><td>221</td></tr><tr><td>4</td><td>10600.00</td><td>64.14</td><td>74.00</td><td>-9.86</td><td>49.79</td><td>14.35</td><td>Peak</td><td>205</td><td>221</td></tr><tr><td>5</td><td>15900.00</td><td>48.58</td><td>54.00</td><td>-5.42</td><td>35.01</td><td>13.57</td><td>Average</td><td>199</td><td>232</td></tr><tr><td>6</td><td>15900.00</td><td>61.95</td><td>74.00</td><td>-12.05</td><td>48.38</td><td>13.57</td><td>Peak</td><td>199</td><td>232</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	5350.00	47.69	54.00	-6.31	43.27	4.42	Average	346	188	2	5350.00	63.18	74.00	-10.82	58.76	4.42	Peak	346	188	3	10600.00	50.18	54.00	-3.82	35.83	14.35	Average	205	221	4	10600.00	64.14	74.00	-9.86	49.79	14.35	Peak	205	221	5	15900.00	48.58	54.00	-5.42	35.01	13.57	Average	199	232	6	15900.00	61.95	74.00	-12.05	48.38	13.57	Peak	199	232
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																										
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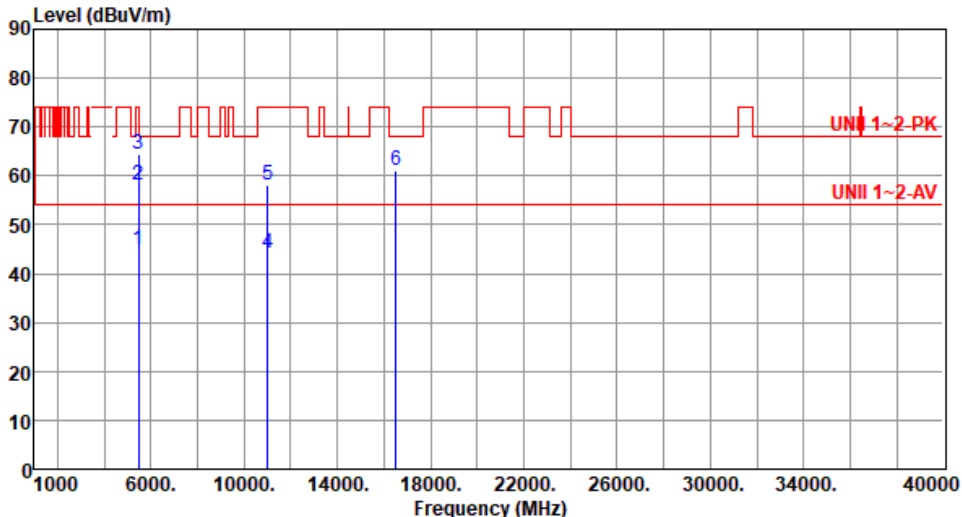


Modulation	HT20	Test Freq. (MHz)	5320																																																																						
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Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																																									
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Modulation	HT20		Test Freq. (MHz)		5320																																																																							
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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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	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 :Brad Wu Temperature(°C):23 Humidity(%):68									
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	45.14	54.00	-8.86	40.47	4.67	Average	269	210
2	5460.00	58.26	74.00	-15.74	53.59	4.67	Peak	269	210
3	5470.00	58.42	68.20	-9.78	53.72	4.70	Peak	269	210
4	5725.00	58.96	68.20	-9.24	53.79	5.17	Peak	269	210
5	11160.00	45.07	54.00	-8.93	31.10	13.97	Average	205	289
6	11160.00	57.52	74.00	-16.48	43.55	13.97	Peak	205	289
7	16740.00	64.32	68.20	-3.88	47.15	17.17	Peak	209	261
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)		5580																																																																																																								
Polarization	Vertical																																																																																																												
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																																							
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>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>44.86</td><td>54.00</td><td>-9.14</td><td>40.19</td><td>4.67</td><td>Average</td><td>345</td><td>196</td></tr><tr><td>2</td><td>5460.00</td><td>58.15</td><td>74.00</td><td>-15.85</td><td>53.48</td><td>4.67</td><td>Peak</td><td>345</td><td>196</td></tr><tr><td>3</td><td>5470.00</td><td>58.46</td><td>68.20</td><td>-9.74</td><td>53.76</td><td>4.70</td><td>Peak</td><td>345</td><td>196</td></tr><tr><td>4</td><td>5725.00</td><td>58.74</td><td>68.20</td><td>-9.46</td><td>53.57</td><td>5.17</td><td>Peak</td><td>345</td><td>196</td></tr><tr><td>5</td><td>11160.00</td><td>46.94</td><td>54.00</td><td>-7.06</td><td>32.97</td><td>13.97</td><td>Average</td><td>100</td><td>218</td></tr><tr><td>6</td><td>11160.00</td><td>58.52</td><td>74.00</td><td>-15.48</td><td>44.55</td><td>13.97</td><td>Peak</td><td>100</td><td>218</td></tr><tr><td>7</td><td>16740.00</td><td>64.89</td><td>68.20</td><td>-3.31</td><td>47.72</td><td>17.17</td><td>Peak</td><td>188</td><td>209</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	44.86	54.00	-9.14	40.19	4.67	Average	345	196	2	5460.00	58.15	74.00	-15.85	53.48	4.67	Peak	345	196	3	5470.00	58.46	68.20	-9.74	53.76	4.70	Peak	345	196	4	5725.00	58.74	68.20	-9.46	53.57	5.17	Peak	345	196	5	11160.00	46.94	54.00	-7.06	32.97	13.97	Average	100	218	6	11160.00	58.52	74.00	-15.48	44.55	13.97	Peak	100	218	7	16740.00	64.89	68.20	-3.31	47.72	17.17	Peak	188	209
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																				
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1	5460.00	44.86	54.00	-9.14	40.19	4.67	Average	345	196																																																																																																				
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Modulation	HT20	Test Freq. (MHz)	5700																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																					
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>5725.00</td><td>64.52</td><td>68.20</td><td>-3.68</td><td>59.35</td><td>5.17</td><td>Peak</td><td>266</td><td>212</td></tr><tr><td>2</td><td>11400.00</td><td>44.93</td><td>54.00</td><td>-9.07</td><td>30.79</td><td>14.14</td><td>Average</td><td>205</td><td>288</td></tr><tr><td>3</td><td>11400.00</td><td>58.26</td><td>74.00</td><td>-15.74</td><td>44.12</td><td>14.14</td><td>Peak</td><td>205</td><td>288</td></tr><tr><td>4</td><td>17100.00</td><td>61.25</td><td>68.20</td><td>-6.95</td><td>43.83</td><td>17.42</td><td>Peak</td><td>188</td><td>229</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	64.52	68.20	-3.68	59.35	5.17	Peak	266	212	2	11400.00	44.93	54.00	-9.07	30.79	14.14	Average	205	288	3	11400.00	58.26	74.00	-15.74	44.12	14.14	Peak	205	288	4	17100.00	61.25	68.20	-6.95	43.83	17.42	Peak	188	229
	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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Test By :Brad Wu Temperature(°C):23 Humidity(%):68																																																								
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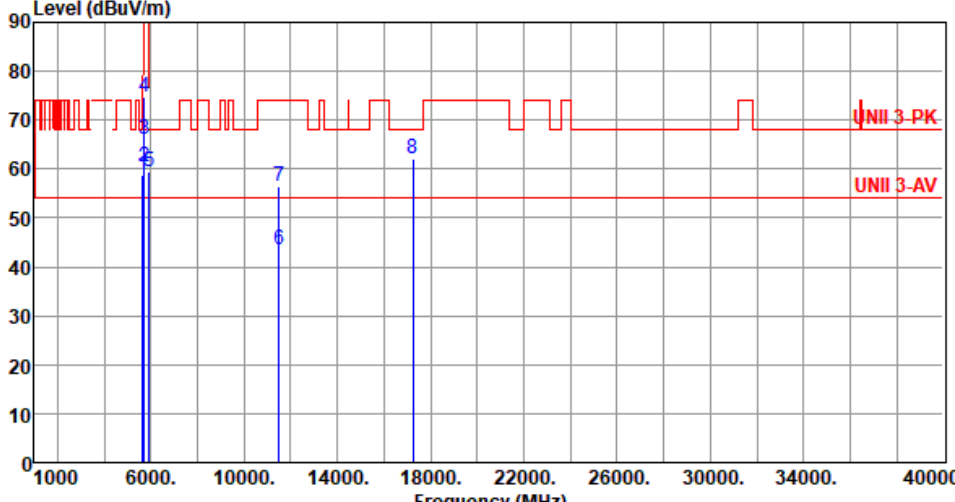


Modulation	HT20		Test Freq. (MHz)		5720																																																																																				
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	58.92	68.20	-9.28	54.11	4.81	Peak	246	211																																																																																				
2	5700.00	60.45	105.20	-44.75	55.43	5.02	Peak	246	211																																																																																				
3	5720.00	66.21	110.80	-44.59	61.07	5.14	Peak	246	211																																																																																				
4	5725.00	74.72	122.20	-47.48	69.55	5.17	Peak	246	211																																																																																				
5	5925.00	59.48	68.20	-8.72	53.87	5.61	Peak	246	211																																																																																				
6	11490.00	43.39	54.00	-10.61	29.00	14.39	Average	205	223																																																																																				
7	11490.00	56.31	74.00	-17.69	41.92	14.39	Peak	205	223																																																																																				
8	17235.00	62.16	68.20	-6.04	44.70	17.46	Peak	202	287																																																																																				

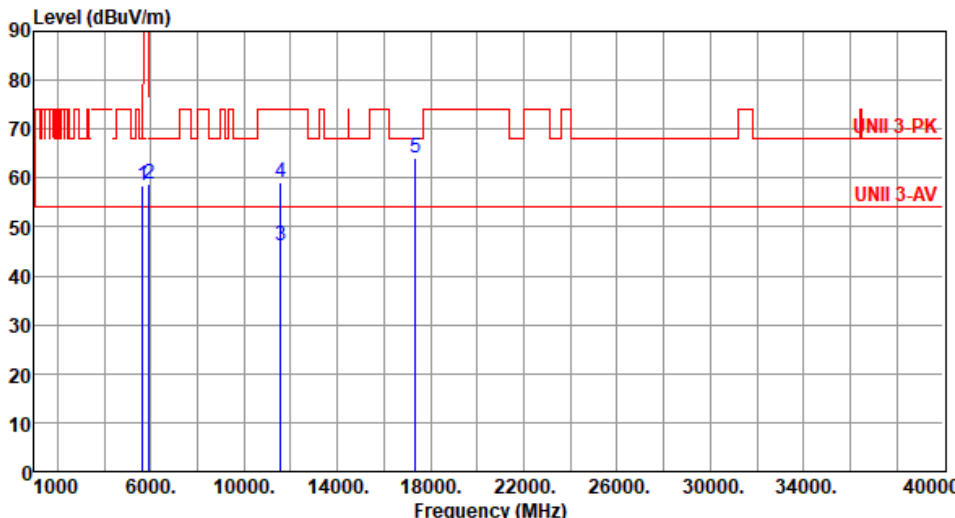


Modulation	HT20	Test Freq. (MHz)	5745
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):68			
Level (dBUV/m) <			



Modulation	HT20		Test Freq. (MHz)		5785																																																																																				
Polarization	Horizontal																																																																																								
Test By :Brad Wu			Temperature(°C):23			Humidity(%):68																																																																																			
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>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>5650.00</td><td>58.62</td><td>68.20</td><td>-9.58</td><td>53.81</td><td>4.81</td><td>Peak</td><td>258</td><td>212</td></tr><tr><td>2</td><td>5925.00</td><td>58.74</td><td>68.20</td><td>-9.46</td><td>53.13</td><td>5.61</td><td>Peak</td><td>258</td><td>212</td></tr><tr><td>3</td><td>11570.00</td><td>43.28</td><td>54.00</td><td>-10.72</td><td>29.03</td><td>14.25</td><td>Average</td><td>207</td><td>219</td></tr><tr><td>4</td><td>11570.00</td><td>56.32</td><td>74.00</td><td>-17.68</td><td>42.07</td><td>14.25</td><td>Peak</td><td>207</td><td>219</td></tr><tr><td>5</td><td>17355.00</td><td>62.38</td><td>68.20</td><td>-5.82</td><td>44.47</td><td>17.91</td><td>Peak</td><td>206</td><td>284</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	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m			dBuV			cm	deg	1	5650.00	58.62	68.20	-9.58	53.81	4.81	Peak	258	212	2	5925.00	58.74	68.20	-9.46	53.13	5.61	Peak	258	212	3	11570.00	43.28	54.00	-10.72	29.03	14.25	Average	207	219	4	11570.00	56.32	74.00	-17.68	42.07	14.25	Peak	207	219	5	17355.00	62.38	68.20	-5.82	44.47	17.91	Peak	206	284
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																
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Polarization	Vertical																																																														
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Modulation	HT20	Test Freq. (MHz)	5825																																																																																										
Polarization	Horizontal																																																																																												
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Level (dBUV/m) <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>59.28</td><td>68.20</td><td>-8.92</td><td>54.47</td><td>4.81</td><td>Peak</td><td>241</td><td>216</td></tr><tr><td>2</td><td>5850.00</td><td>67.24</td><td>122.20</td><td>-54.96</td><td>61.59</td><td>5.65</td><td>Peak</td><td>241</td><td>216</td></tr><tr><td>3</td><td>5855.00</td><td>64.55</td><td>110.80</td><td>-46.25</td><td>58.90</td><td>5.65</td><td>Peak</td><td>241</td><td>216</td></tr><tr><td>4</td><td>5875.00</td><td>60.16</td><td>105.20</td><td>-45.04</td><td>54.50</td><td>5.66</td><td>Peak</td><td>241</td><td>216</td></tr><tr><td>5</td><td>5925.00</td><td>59.84</td><td>68.20</td><td>-8.36</td><td>54.23</td><td>5.61</td><td>Peak</td><td>241</td><td>216</td></tr><tr><td>6</td><td>11650.00</td><td>43.41</td><td>54.00</td><td>-10.59</td><td>29.51</td><td>13.90</td><td>Average</td><td>201</td><td>226</td></tr><tr><td>7</td><td>11650.00</td><td>56.35</td><td>74.00</td><td>-17.65</td><td>42.45</td><td>13.90</td><td>Peak</td><td>201</td><td>226</td></tr><tr><td>8</td><td>17475.00</td><td>62.29</td><td>68.20</td><td>-5.91</td><td>43.74</td><td>18.55</td><td>Peak</td><td>196</td><td>272</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	59.28	68.20	-8.92	54.47	4.81	Peak	241	216	2	5850.00	67.24	122.20	-54.96	61.59	5.65	Peak	241	216	3	5855.00	64.55	110.80	-46.25	58.90	5.65	Peak	241	216	4	5875.00	60.16	105.20	-45.04	54.50	5.66	Peak	241	216	5	5925.00	59.84	68.20	-8.36	54.23	5.61	Peak	241	216	6	11650.00	43.41	54.00	-10.59	29.51	13.90	Average	201	226	7	11650.00	56.35	74.00	-17.65	42.45	13.90	Peak	201	226	8	17475.00	62.29	68.20	-5.91	43.74	18.55	Peak	196	272
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Modulation	HT20		Test Freq. (MHz)		5825																																																																																											
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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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Frequency: 5300 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	-6.70	-6.05	-6.61	-6.99
T20°CVmin	-6.53	-6.48	-5.94	-6.91
T60°CVnom	-5.11	-4.88	-4.98	-5.18
T50°CVnom	-5.42	-4.87	-5.65	-5.33
T40°CVnom	-6.70	-6.61	-6.56	-6.75
T30°CVnom	-6.11	-5.61	-6.01	-5.68
T20°CVnom	-6.83	-6.59	-6.42	-6.72
T10°CVnom	-7.32	-7.24	-6.95	-7.17
T0°CVnom	-7.49	-7.24	-7.82	-6.77
T-10°CVnom	-8.42	-8.02	-7.98	-8.32
T-20°CVnom	-8.72	-8.27	-8.55	-8.14
T-30°CVnom	-9.21	-9.04	-8.70	-9.38
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 60		Tmin [°C]: -30	

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	-6.14	-6.14	-6.46	-5.48
T20°CVmin	-5.98	-5.99	-5.63	-5.69
T60°CVnom	-4.68	-4.31	-5.18	-4.19
T50°CVnom	-4.96	-4.97	-4.83	-5.02
T40°CVnom	-6.14	-5.77	-5.49	-6.25
T30°CVnom	-5.60	-4.95	-5.87	-5.27
T20°CVnom	-6.26	-5.76	-6.19	-6.43
T10°CVnom	-6.71	-6.35	-6.85	-6.77
T0°CVnom	-6.86	-6.31	-6.35	-6.48
T-10°CVnom	-7.71	-7.68	-7.69	-7.59
T-20°CVnom	-7.99	-7.42	-7.90	-7.74
T-30°CVnom	-8.44	-8.44	-8.28	-7.81
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 60		Tmin [°C]: -30	

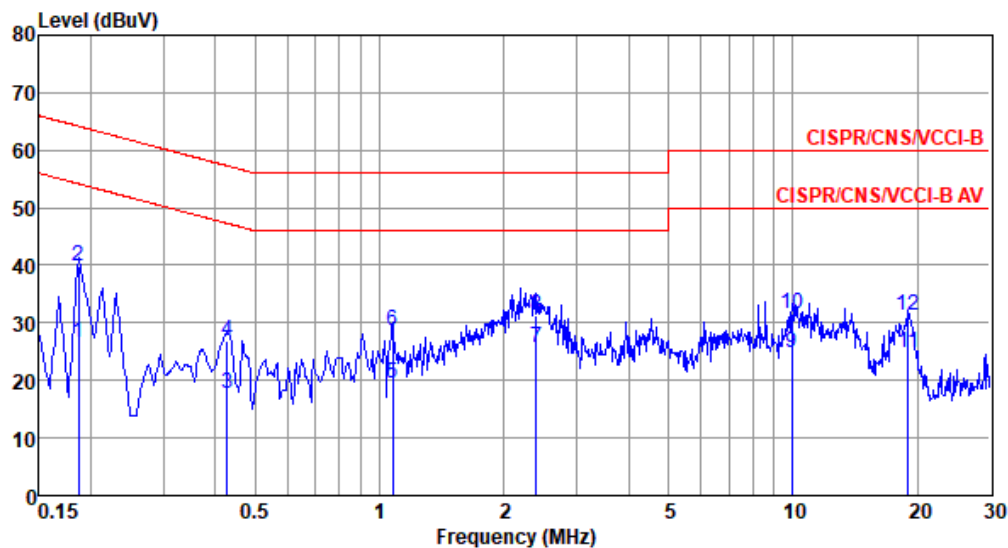


Modulation Mode	11a	Test Freq. (MHz)	5580
Power Phase	Line		

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	0.186	26.56	54.20	-27.64	16.80	9.68	0.08	0.00	Average
2	0.186	39.73	64.20	-24.47	29.97	9.68	0.08	0.00	QP
3	0.428	17.70	47.29	-29.59	7.94	9.67	0.09	0.00	Average
4	0.428	26.78	57.29	-30.51	17.02	9.67	0.09	0.00	QP
5	1.077	19.54	46.00	-26.46	9.70	9.68	0.16	0.00	Average
6	1.077	28.51	56.00	-27.49	18.67	9.68	0.16	0.00	QP
7*	2.396	25.77	46.00	-20.23	15.88	9.69	0.20	0.00	Average
8	2.396	31.44	56.00	-24.56	21.55	9.69	0.20	0.00	QP
9	9.966	24.79	50.00	-25.21	14.60	9.74	0.45	0.00	Average
10	9.966	31.62	60.00	-28.38	21.43	9.74	0.45	0.00	QP
11	19.021	24.70	50.00	-25.30	14.33	9.73	0.64	0.00	Average
12	19.021	31.30	60.00	-28.70	20.93	9.73	0.64	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)	5580																																																																																																																																																						
Power Phase	Neutral																																																																																																																																																								
Test by : Joe Liao Temperature: 21°C Humidity: 64%																																																																																																																																																									
<table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>Read</th><th>Factor</th><th>Cable</th><th>Aux</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>Line</th><th>Limit</th><th>Level</th><th>dB</th><th>loss</th><th>dB</th><th></th></tr><tr><th></th><th></th><th></th><th>dBuV</th><th>dB</th><th>dBuV</th><th></th><th>dB</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>0.151</td><td>19.18</td><td>55.96</td><td>-36.78</td><td>9.49</td><td>9.61</td><td>0.08</td><td>0.00</td><td>Average</td></tr><tr><td>2</td><td>0.151</td><td>40.94</td><td>65.96</td><td>-25.02</td><td>31.25</td><td>9.61</td><td>0.08</td><td>0.00</td><td>QP</td></tr><tr><td>3</td><td>0.177</td><td>32.88</td><td>54.64</td><td>-21.76</td><td>23.19</td><td>9.61</td><td>0.08</td><td>0.00</td><td>Average</td></tr><tr><td>4</td><td>0.177</td><td>44.23</td><td>64.64</td><td>-20.41</td><td>34.54</td><td>9.61</td><td>0.08</td><td>0.00</td><td>QP</td></tr><tr><td>5</td><td>0.474</td><td>23.91</td><td>46.45</td><td>-22.54</td><td>14.21</td><td>9.61</td><td>0.09</td><td>0.00</td><td>Average</td></tr><tr><td>6</td><td>0.474</td><td>31.35</td><td>56.45</td><td>-25.10</td><td>21.65</td><td>9.61</td><td>0.09</td><td>0.00</td><td>QP</td></tr><tr><td>7*</td><td>2.225</td><td>26.66</td><td>46.00</td><td>-19.34</td><td>16.84</td><td>9.62</td><td>0.20</td><td>0.00</td><td>Average</td></tr><tr><td>8</td><td>2.225</td><td>33.48</td><td>56.00</td><td>-22.52</td><td>23.66</td><td>9.62</td><td>0.20</td><td>0.00</td><td>QP</td></tr><tr><td>9</td><td>4.549</td><td>20.96</td><td>46.00</td><td>-25.04</td><td>11.07</td><td>9.65</td><td>0.24</td><td>0.00</td><td>Average</td></tr><tr><td>10</td><td>4.549</td><td>27.27</td><td>56.00</td><td>-28.73</td><td>17.38</td><td>9.65</td><td>0.24</td><td>0.00</td><td>QP</td></tr><tr><td>11</td><td>10.733</td><td>27.80</td><td>50.00</td><td>-22.20</td><td>17.63</td><td>9.70</td><td>0.47</td><td>0.00</td><td>Average</td></tr><tr><td>12</td><td>10.733</td><td>34.81</td><td>60.00</td><td>-25.19</td><td>24.64</td><td>9.70</td><td>0.47</td><td>0.00</td><td>QP</td></tr></tbody></table>					Freq	Level	Limit	Over	Read	Factor	Cable	Aux	Remark		MHz	dBuV	Line	Limit	Level	dB	loss	dB					dBuV	dB	dBuV		dB			1	0.151	19.18	55.96	-36.78	9.49	9.61	0.08	0.00	Average	2	0.151	40.94	65.96	-25.02	31.25	9.61	0.08	0.00	QP	3	0.177	32.88	54.64	-21.76	23.19	9.61	0.08	0.00	Average	4	0.177	44.23	64.64	-20.41	34.54	9.61	0.08	0.00	QP	5	0.474	23.91	46.45	-22.54	14.21	9.61	0.09	0.00	Average	6	0.474	31.35	56.45	-25.10	21.65	9.61	0.09	0.00	QP	7*	2.225	26.66	46.00	-19.34	16.84	9.62	0.20	0.00	Average	8	2.225	33.48	56.00	-22.52	23.66	9.62	0.20	0.00	QP	9	4.549	20.96	46.00	-25.04	11.07	9.65	0.24	0.00	Average	10	4.549	27.27	56.00	-28.73	17.38	9.65	0.24	0.00	QP	11	10.733	27.80	50.00	-22.20	17.63	9.70	0.47	0.00	Average	12	10.733	34.81	60.00	-25.19	24.64	9.70	0.47	0.00	QP
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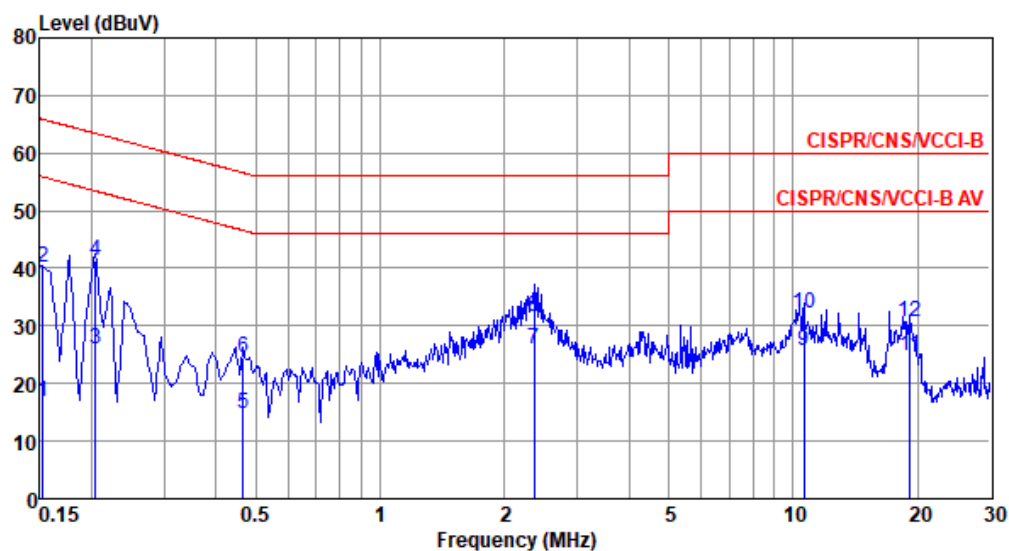


Modulation Mode	11a	Test Freq. (MHz)	5785
Power Phase	Line		

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	0.152	16.94	55.87	-38.93	7.18	9.68	0.08	0.00	Average
2	0.152	40.05	65.87	-25.82	30.29	9.68	0.08	0.00	QP
3	0.204	26.07	53.45	-27.38	16.31	9.68	0.08	0.00	Average
4	0.204	41.37	63.45	-22.08	31.61	9.68	0.08	0.00	QP
5	0.466	14.65	46.58	-31.93	4.89	9.67	0.09	0.00	Average
6	0.466	24.58	56.58	-32.00	14.82	9.67	0.09	0.00	QP
7*	2.358	26.01	46.00	-19.99	16.12	9.69	0.20	0.00	Average
8	2.358	31.45	56.00	-24.55	21.56	9.69	0.20	0.00	QP
9	10.620	25.71	50.00	-24.29	15.50	9.74	0.47	0.00	Average
10	10.620	32.20	60.00	-27.80	21.99	9.74	0.47	0.00	QP
11	19.224	24.69	50.00	-25.31	14.31	9.73	0.65	0.00	Average
12	19.224	30.70	60.00	-29.30	20.32	9.73	0.65	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).

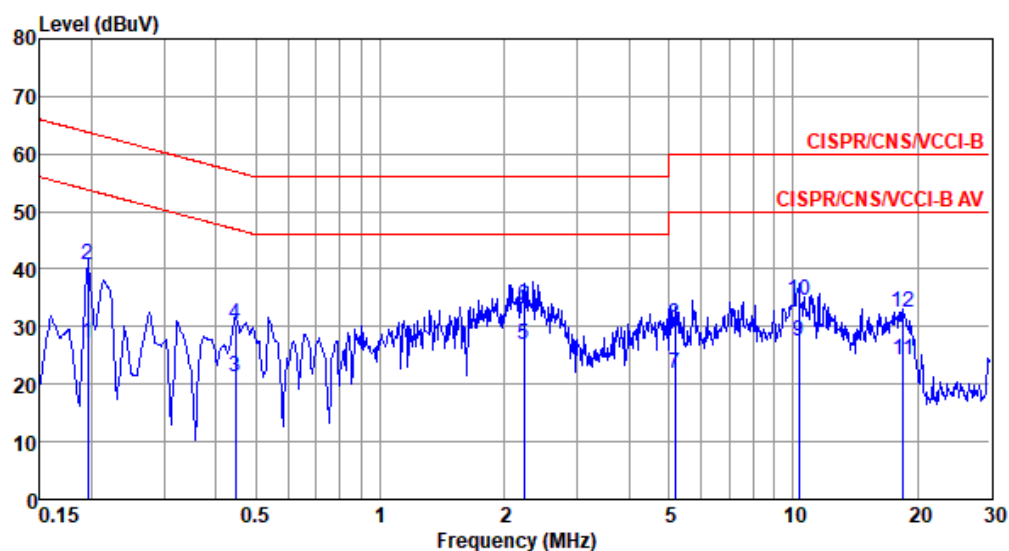


Modulation Mode	11a	Test Freq. (MHz)	5785
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 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	27.09	53.80	-26.71	17.40	9.61	0.08	0.00	Average
2	0.195	40.75	63.80	-23.05	31.06	9.61	0.08	0.00	QP
3	0.447	21.15	46.93	-25.78	11.45	9.61	0.09	0.00	Average
4	0.447	30.54	56.93	-26.39	20.84	9.61	0.09	0.00	QP
5*	2.225	26.93	46.00	-19.07	17.11	9.62	0.20	0.00	Average
6	2.225	33.68	56.00	-22.32	23.86	9.62	0.20	0.00	QP
7	5.166	21.71	50.00	-28.29	11.78	9.65	0.28	0.00	Average
8	5.166	30.32	60.00	-29.68	20.39	9.65	0.28	0.00	QP
9	10.342	27.46	50.00	-22.54	17.31	9.69	0.46	0.00	Average
10	10.342	34.46	60.00	-25.54	24.31	9.69	0.46	0.00	QP
11	18.524	24.12	50.00	-25.88	13.71	9.78	0.63	0.00	Average
12	18.524	32.58	60.00	-27.42	22.17	9.78	0.63	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).