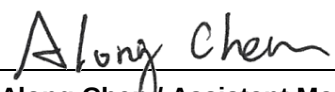


FCC Test Report

FCC ID : ACQ-HC200
Equipment : HC200
Model No. : HC200
Brand Name : HomeSight
Applicant : ARRIS
Address : 101 Tournament Drive, Horsham
Pennsylvania, United States, 19044
Standard : 47 CFR FCC Part 15.407
Received Date : Oct. 01, 2021
Tested Date : Nov. 18 ~ Nov. 25, 2021

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:

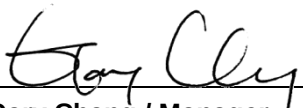

Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
FR1O0103AN	Rev. 01	Initial issue	Jan. 25, 2022
FR1O0103AN	Rev. 02	Revising input power rating of adapter	Feb. 24, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.573MHz 35.02 (Margin -10.98dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5460.00MHz 52.86 (Margin -1.14dB) - AV	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)	RF Output Power	Max Power [dBm]: 5150~5250MHz: 18.06 5250~5350MHz: 18.28 5470~5725MHz: 18.08 5725~5850MHz: 18.48	Pass
15.407(a)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

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

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (GHz) / Antenna Gain (dBi)				
				2.4-2.4835	5.15-5.25	5.25-5.35	5.47-5.725	5.725-5.85
1	PSA/WA-F-L B-02-288	FPC Antenna	UFL	3.76	3.84	3.84	3.89	3.72

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12V from adapter
-------------------	------------------

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: NetBit Model: NPD20AD5 Power Rating: I/P: 100-240V~, 50/60Hz, 0.5A O/P: 20.04W 12.0V 1.67A;5V 3.0A Power Line: 1.5m non-shielded without core
2	HDMI	1.73m shielded without core
3	USB type-C	1.8m shielded without core
4	Remote Control	Brand: Omni Remotes Model: RC4630501/01BRP

1.1.5 Channel List

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

1.1.6 Test Tool and Duty Cycle

Test Tool	QRCT, V4.0.001720		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	98.48%	0.07
	VHT20	98.38%	0.07
	VHT40	95.74%	0.19
	VHT80	90.76%	0.42

1.1.7 Power Index of Test Tool

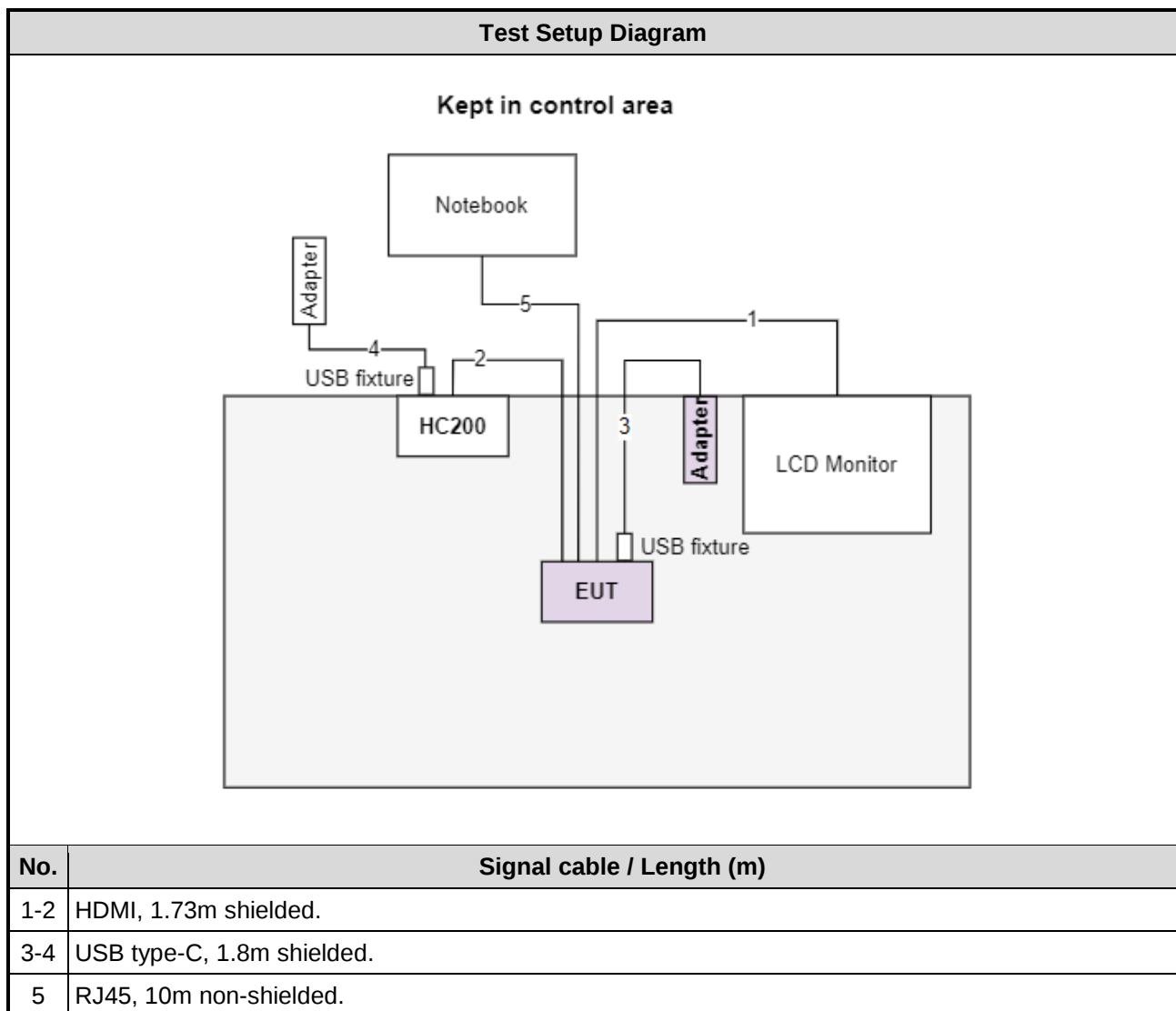
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	19
11a	5200	19
11a	5240	19
11a	5260	19.5
11a	5300	19.5
11a	5320	19.5
11a	5500	19.5
11a	5580	19.5
11a	5700	18.5
11a	5720	19.5
11a	5745	19.5
11a	5785	19.5
11a	5825	19.5
VHT20	5180	18
VHT20	5200	18
VHT20	5240	18
VHT20	5260	18
VHT20	5300	18
VHT20	5320	18
VHT20	5500	18.5
VHT20	5580	18.5
VHT20	5700	17.5
VHT20	5720	18
VHT20	5745	18
VHT20	5785	18
VHT20	5825	18

VHT40	5190	16
VHT40	5230	16
VHT40	5270	16
VHT40	5310	16
VHT40	5510	16.5
VHT40	5590	16.5
VHT40	5670	16.5
VHT40	5710	16
VHT40	5755	16
VHT40	5795	16
VHT80	5210	15.5
VHT80	5290	15.5
VHT80	5530	16
VHT80	5610	16
VHT80	5690	15.5
VHT80	5775	15.5

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude E5470	DoC	---
2	LCD Monitor	ASUS	MX27UCS	---	---
3	USB fixture	---	---	---	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	Nov. 23, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 08, 2021	Feb. 07, 2022
LISN	R&S	ENV216	101579	Mar. 17, 2021	Mar. 16, 2022
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Dec. 29, 2020	Dec. 28, 2021
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	04	May 25, 2021	May 24, 2022
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	Nov. 18 ~ Nov. 25, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
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. 11, 2020	Dec. 10, 2021
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 31, 2020	Dec. 30, 2021
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	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	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	Nov. 23 ~ Nov. 24, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
Power Meter	Anritsu	ML2495A	1218007	Jan. 26, 2021	Jan. 25, 2022
Power Sensor	Anritsu	MA2411B	1207367	Jan. 26, 2021	Jan. 25, 2022
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 04, 2020	Dec. 03, 2021
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	May 25, 2021	May 24, 2022
Measurement Software	Sporton	SENSE-15407_NII	V5.10	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
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB
Time	$\pm 0.1\%$
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Facility

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

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

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Conducted Emissions	11a	5260	6 Mbps	---
Radiated Emissions ≤1GHz	11a	5260	6 Mbps	---
RF Output Power	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	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	---
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	VHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Conducted Emissions	11a	5825	6 Mbps	---
Radiated Emissions ≤1GHz	11a	5825	6 Mbps	---
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	---
	HT20	5745 / 5785 / 5825	MCS 0	
	HT40	5755 / 5795	MCS 0	
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth 6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	---
	VHT20	5745 / 5785 / 5825	MCS 0	
	VHT40	5755 / 5795	MCS 0	
	VHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	---

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

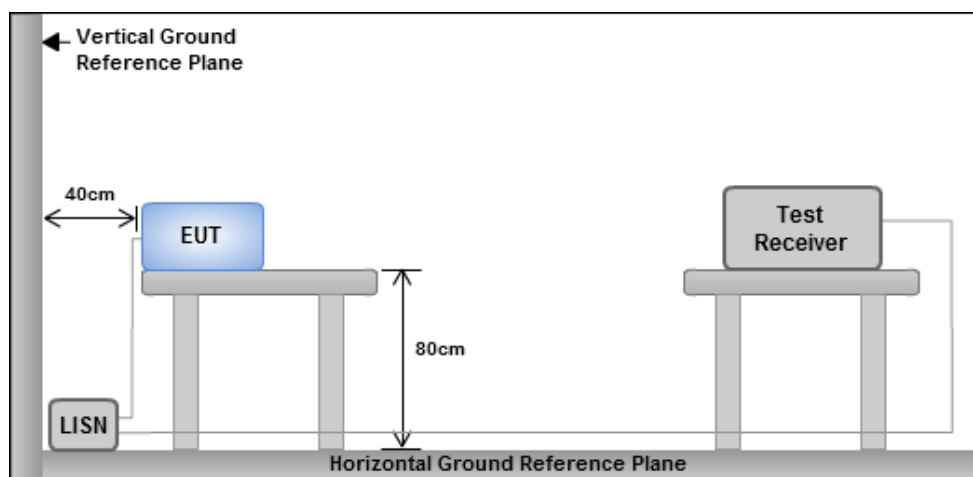
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.1.2 Test Procedures

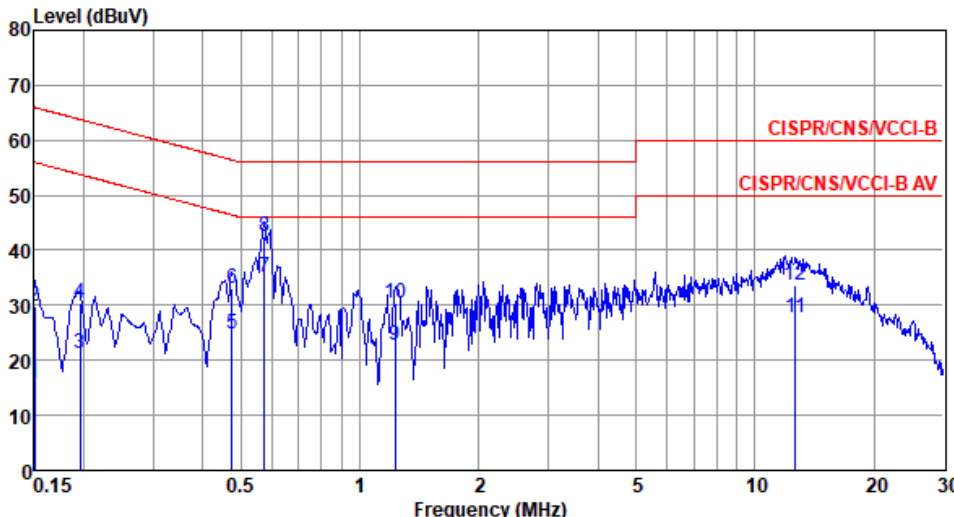
1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels 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

3.1.3 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

3.1.4 Test Result of Conducted Emissions

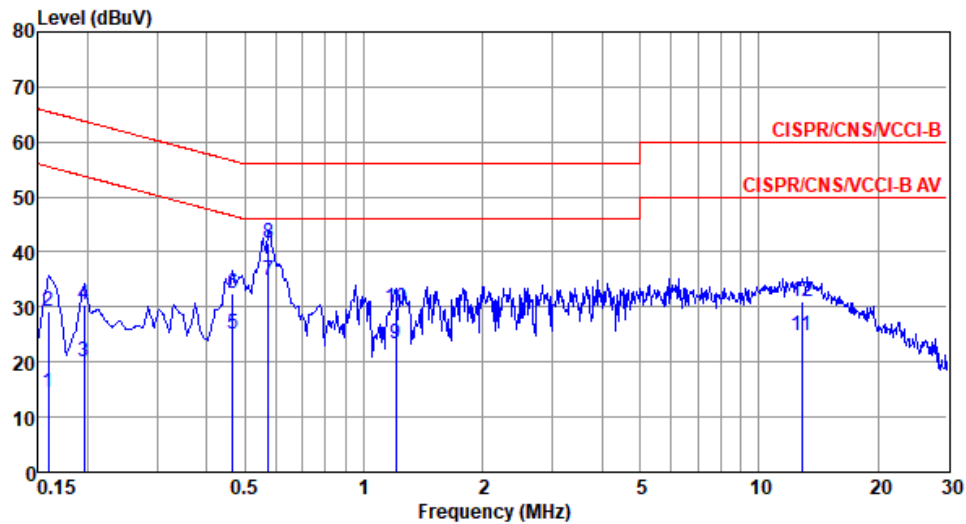
Modulation	11a	Test Freq. (MHz)	5260																																																																																																																																		
Power Phase	Line																																																																																																																																				
Test by : Brad Wu Temperature: 22°C Humidity: 62%																																																																																																																																					
Level (dBuV)  <table><thead><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr></thead><tbody><tr><td>1</td><td>0.150</td><td>16.00</td><td>56.00</td><td>-40.00</td><td>6.06</td><td>9.66</td><td>0.08</td><td>0.20</td><td>Average</td></tr><tr><td>2</td><td>0.150</td><td>29.73</td><td>66.00</td><td>-36.27</td><td>19.79</td><td>9.66</td><td>0.08</td><td>0.20</td><td>QP</td></tr><tr><td>3</td><td>0.195</td><td>21.21</td><td>53.80</td><td>-32.59</td><td>11.26</td><td>9.65</td><td>0.08</td><td>0.22</td><td>Average</td></tr><tr><td>4</td><td>0.195</td><td>30.46</td><td>63.80</td><td>-33.34</td><td>20.51</td><td>9.65</td><td>0.08</td><td>0.22</td><td>QP</td></tr><tr><td>5</td><td>0.474</td><td>24.94</td><td>46.45</td><td>-21.51</td><td>14.85</td><td>9.64</td><td>0.09</td><td>0.36</td><td>Average</td></tr><tr><td>6</td><td>0.474</td><td>33.10</td><td>56.45</td><td>-23.35</td><td>23.01</td><td>9.64</td><td>0.09</td><td>0.36</td><td>QP</td></tr><tr><td>7*</td><td>0.573</td><td>35.02</td><td>46.00</td><td>-10.98</td><td>24.91</td><td>9.64</td><td>0.11</td><td>0.36</td><td>Average</td></tr><tr><td>8</td><td>0.573</td><td>42.66</td><td>56.00</td><td>-13.34</td><td>32.55</td><td>9.64</td><td>0.11</td><td>0.36</td><td>QP</td></tr><tr><td>9</td><td>1.229</td><td>22.66</td><td>46.00</td><td>-23.34</td><td>12.46</td><td>9.65</td><td>0.17</td><td>0.38</td><td>Average</td></tr><tr><td>10</td><td>1.229</td><td>30.36</td><td>56.00</td><td>-25.64</td><td>20.16</td><td>9.65</td><td>0.17</td><td>0.38</td><td>QP</td></tr><tr><td>11</td><td>12.649</td><td>27.69</td><td>50.00</td><td>-22.31</td><td>16.99</td><td>9.70</td><td>0.51</td><td>0.49</td><td>Average</td></tr><tr><td>12</td><td>12.649</td><td>33.79</td><td>60.00</td><td>-26.21</td><td>23.09</td><td>9.70</td><td>0.51</td><td>0.49</td><td>QP</td></tr></tbody></table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.150	16.00	56.00	-40.00	6.06	9.66	0.08	0.20	Average	2	0.150	29.73	66.00	-36.27	19.79	9.66	0.08	0.20	QP	3	0.195	21.21	53.80	-32.59	11.26	9.65	0.08	0.22	Average	4	0.195	30.46	63.80	-33.34	20.51	9.65	0.08	0.22	QP	5	0.474	24.94	46.45	-21.51	14.85	9.64	0.09	0.36	Average	6	0.474	33.10	56.45	-23.35	23.01	9.64	0.09	0.36	QP	7*	0.573	35.02	46.00	-10.98	24.91	9.64	0.11	0.36	Average	8	0.573	42.66	56.00	-13.34	32.55	9.64	0.11	0.36	QP	9	1.229	22.66	46.00	-23.34	12.46	9.65	0.17	0.38	Average	10	1.229	30.36	56.00	-25.64	20.16	9.65	0.17	0.38	QP	11	12.649	27.69	50.00	-22.31	16.99	9.70	0.51	0.49	Average	12	12.649	33.79	60.00	-26.21	23.09	9.70	0.51	0.49	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
1	0.150	16.00	56.00	-40.00	6.06	9.66	0.08	0.20	Average																																																																																																																												
2	0.150	29.73	66.00	-36.27	19.79	9.66	0.08	0.20	QP																																																																																																																												
3	0.195	21.21	53.80	-32.59	11.26	9.65	0.08	0.22	Average																																																																																																																												
4	0.195	30.46	63.80	-33.34	20.51	9.65	0.08	0.22	QP																																																																																																																												
5	0.474	24.94	46.45	-21.51	14.85	9.64	0.09	0.36	Average																																																																																																																												
6	0.474	33.10	56.45	-23.35	23.01	9.64	0.09	0.36	QP																																																																																																																												
7*	0.573	35.02	46.00	-10.98	24.91	9.64	0.11	0.36	Average																																																																																																																												
8	0.573	42.66	56.00	-13.34	32.55	9.64	0.11	0.36	QP																																																																																																																												
9	1.229	22.66	46.00	-23.34	12.46	9.65	0.17	0.38	Average																																																																																																																												
10	1.229	30.36	56.00	-25.64	20.16	9.65	0.17	0.38	QP																																																																																																																												
11	12.649	27.69	50.00	-22.31	16.99	9.70	0.51	0.49	Average																																																																																																																												
12	12.649	33.79	60.00	-26.21	23.09	9.70	0.51	0.49	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	11a	Test Freq. (MHz)	5260
Power Phase	Neutral		

Test by : Brad Wu

Temperature: 22°C

Humidity: 62%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.159	14.39	55.52	-41.13	4.46	9.69	0.08	0.16	Average
2	0.159	29.28	65.52	-36.24	19.35	9.69	0.08	0.16	QP
3	0.195	20.10	53.80	-33.70	10.16	9.68	0.08	0.18	Average
4	0.195	30.30	63.80	-33.50	20.36	9.68	0.08	0.18	QP
5	0.466	25.21	46.58	-21.37	15.24	9.67	0.09	0.21	Average
6	0.466	32.33	56.58	-24.25	22.36	9.67	0.09	0.21	QP
7*	0.573	34.74	46.00	-11.26	24.73	9.67	0.11	0.23	Average
8	0.573	41.64	56.00	-14.36	31.63	9.67	0.11	0.23	QP
9	1.203	23.32	46.00	-22.68	13.18	9.68	0.17	0.29	Average
10	1.203	29.76	56.00	-26.24	19.62	9.68	0.17	0.29	QP
11	12.852	24.94	50.00	-25.06	14.20	9.79	0.52	0.43	Average
12	12.852	31.04	60.00	-28.96	20.30	9.79	0.52	0.43	QP

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

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

Modulation	11a	Test Freq. (MHz)	5825																																																																																																																																		
Power Phase	Line																																																																																																																																				
Test by : Brad Wu Temperature: 22°C Humidity: 62%																																																																																																																																					
Level (dBUV) Frequency (MHz) <table><thead><tr><th></th><th>Freq MHz</th><th>Level dBUV</th><th>Limit Line dBUV</th><th>Over Limit dB</th><th>Read Level dBUV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr></thead><tbody><tr><td>1</td><td>0.150</td><td>16.86</td><td>56.00</td><td>-39.14</td><td>6.92</td><td>9.66</td><td>0.08</td><td>0.20</td><td>Average</td></tr><tr><td>2</td><td>0.150</td><td>30.79</td><td>66.00</td><td>-35.21</td><td>20.85</td><td>9.66</td><td>0.08</td><td>0.20</td><td>QP</td></tr><tr><td>3</td><td>0.186</td><td>15.75</td><td>54.20</td><td>-38.45</td><td>5.81</td><td>9.65</td><td>0.08</td><td>0.21</td><td>Average</td></tr><tr><td>4</td><td>0.186</td><td>28.50</td><td>64.20</td><td>-35.70</td><td>18.56</td><td>9.65</td><td>0.08</td><td>0.21</td><td>QP</td></tr><tr><td>5</td><td>0.474</td><td>24.87</td><td>46.45</td><td>-21.58</td><td>14.78</td><td>9.64</td><td>0.09</td><td>0.36</td><td>Average</td></tr><tr><td>6</td><td>0.474</td><td>32.94</td><td>56.45</td><td>-23.51</td><td>22.85</td><td>9.64</td><td>0.09</td><td>0.36</td><td>QP</td></tr><tr><td>7*</td><td>0.564</td><td>34.29</td><td>46.00</td><td>-11.71</td><td>24.18</td><td>9.64</td><td>0.11</td><td>0.36</td><td>Average</td></tr><tr><td>8</td><td>0.564</td><td>41.74</td><td>56.00</td><td>-14.26</td><td>31.63</td><td>9.64</td><td>0.11</td><td>0.36</td><td>QP</td></tr><tr><td>9</td><td>1.210</td><td>22.13</td><td>46.00</td><td>-23.87</td><td>11.93</td><td>9.65</td><td>0.17</td><td>0.38</td><td>Average</td></tr><tr><td>10</td><td>1.210</td><td>30.16</td><td>56.00</td><td>-25.84</td><td>19.96</td><td>9.65</td><td>0.17</td><td>0.38</td><td>QP</td></tr><tr><td>11</td><td>12.988</td><td>27.59</td><td>50.00</td><td>-22.41</td><td>16.88</td><td>9.70</td><td>0.52</td><td>0.49</td><td>Average</td></tr><tr><td>12</td><td>12.988</td><td>33.92</td><td>60.00</td><td>-26.08</td><td>23.21</td><td>9.70</td><td>0.52</td><td>0.49</td><td>QP</td></tr></tbody></table> Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).					Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.150	16.86	56.00	-39.14	6.92	9.66	0.08	0.20	Average	2	0.150	30.79	66.00	-35.21	20.85	9.66	0.08	0.20	QP	3	0.186	15.75	54.20	-38.45	5.81	9.65	0.08	0.21	Average	4	0.186	28.50	64.20	-35.70	18.56	9.65	0.08	0.21	QP	5	0.474	24.87	46.45	-21.58	14.78	9.64	0.09	0.36	Average	6	0.474	32.94	56.45	-23.51	22.85	9.64	0.09	0.36	QP	7*	0.564	34.29	46.00	-11.71	24.18	9.64	0.11	0.36	Average	8	0.564	41.74	56.00	-14.26	31.63	9.64	0.11	0.36	QP	9	1.210	22.13	46.00	-23.87	11.93	9.65	0.17	0.38	Average	10	1.210	30.16	56.00	-25.84	19.96	9.65	0.17	0.38	QP	11	12.988	27.59	50.00	-22.41	16.88	9.70	0.52	0.49	Average	12	12.988	33.92	60.00	-26.08	23.21	9.70	0.52	0.49	QP
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3.2 Emission Bandwidth

3.2.1 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.

3.2.2 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.

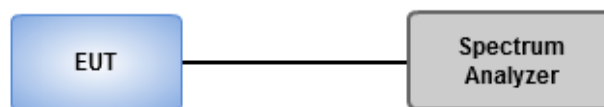
Occupied Bandwidth

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.

3.2.3 Test Setup



3.2.4 Test Result of Emission Bandwidth

Ambient Condition	18-20°C / 63-65%	Tested By	Aska Huang
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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	24.058M	16.57M	16M6D1D	22.319M	16.498M
802.11ac VHT20_Nss1,(MCS0)_1TX	24.42M	17.8M	17M8D1D	23.768M	17.728M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.014M	36.179M	36M2D1D	40.87M	36.179M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.478M	75.832M	75M8D1D	83.478M	75.832M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.768M	16.643M	16M6D1D	23.406M	16.57M
802.11ac VHT20_Nss1,(MCS0)_1TX	24.275M	17.728M	17M7D1D	23.768M	17.656M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.159M	36.324M	36M3D1D	40.58M	36.179M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.188M	75.832M	75M8D1D	83.188M	75.832M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.986M	16.643M	16M6D1D	15.348M	13.285M
802.11ac VHT20_Nss1,(MCS0)_1TX	23.841M	17.8M	17M8D1D	16.391M	13.893M
802.11ac VHT40_Nss1,(MCS0)_1TX	41.739M	36.324M	36M3D1D	35.406M	33.025M
802.11ac VHT80_Nss1,(MCS0)_1TX	83.478M	75.832M	75M8D1D	76.304M	72.287M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.797M	16.643M	16M6D1D	3.13M	6.194M
802.11ac VHT20_Nss1,(MCS0)_1TX	16.232M	17.8M	17M8D1D	3.768M	5.731M
802.11ac VHT40_Nss1,(MCS0)_1TX	35.507M	36.179M	36M2D1D	3.13M	4.515M
802.11ac VHT80_Nss1,(MCS0)_1TX	75.362M	75.832M	75M8D1D	3.13M	15.34M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	24.058M	16.57M
5200MHz	Pass	Inf	22.319M	16.57M
5240MHz	Pass	Inf	23.261M	16.498M
5260MHz	Pass	Inf	23.768M	16.643M
5300MHz	Pass	Inf	23.768M	16.643M
5320MHz	Pass	Inf	23.406M	16.57M
5500MHz	Pass	Inf	23.986M	16.57M
5580MHz	Pass	Inf	23.623M	16.57M
5700MHz	Pass	Inf	23.478M	16.643M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.348M	13.285M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	6.194M
5745MHz	Pass	500k	15.797M	16.57M
5785MHz	Pass	500k	15.072M	16.57M
5825MHz	Pass	500k	14.928M	16.643M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	23.768M	17.728M
5200MHz	Pass	Inf	24.42M	17.8M
5240MHz	Pass	Inf	24.275M	17.728M
5260MHz	Pass	Inf	24.275M	17.656M
5300MHz	Pass	Inf	24.13M	17.728M
5320MHz	Pass	Inf	23.768M	17.728M
5500MHz	Pass	Inf	23.768M	17.8M
5580MHz	Pass	Inf	23.841M	17.728M
5700MHz	Pass	Inf	23.551M	17.728M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.391M	13.893M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.768M	5.731M
5745MHz	Pass	500k	16.232M	17.728M
5785MHz	Pass	500k	14.13M	17.8M
5825MHz	Pass	500k	14.493M	17.728M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.87M	36.179M
5230MHz	Pass	Inf	41.014M	36.179M
5270MHz	Pass	Inf	41.159M	36.179M
5310MHz	Pass	Inf	40.58M	36.324M
5510MHz	Pass	Inf	41.304M	36.179M
5590MHz	Pass	Inf	41.739M	36.179M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5670MHz	Pass	Inf	40.87M	36.324M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.406M	33.025M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	4.515M
5755MHz	Pass	500k	35.507M	36.179M
5795MHz	Pass	500k	35.362M	36.179M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	83.478M	75.832M
5290MHz	Pass	Inf	83.188M	75.832M
5530MHz	Pass	Inf	83.478M	75.832M
5610MHz	Pass	Inf	83.188M	75.543M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.304M	72.287M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.13M	15.34M
5775MHz	Pass	500k	75.362M	75.832M

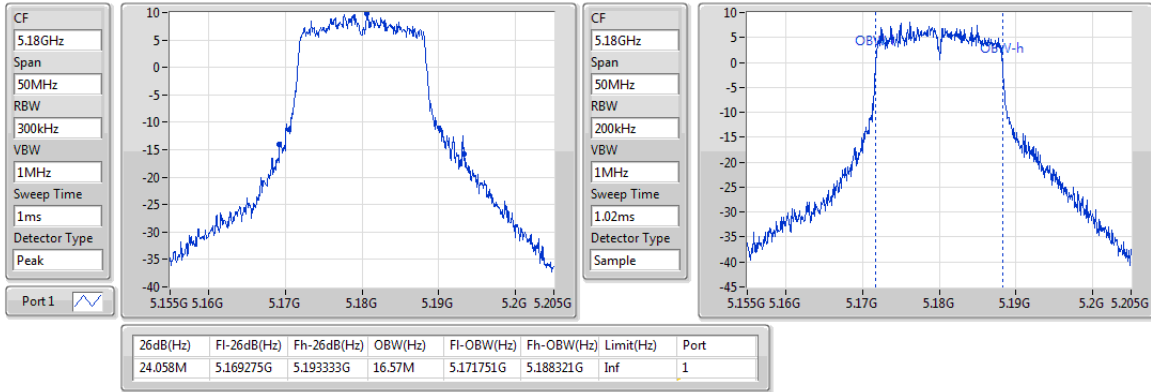
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11a_Nss1,(6Mbps)_1TX

EBW

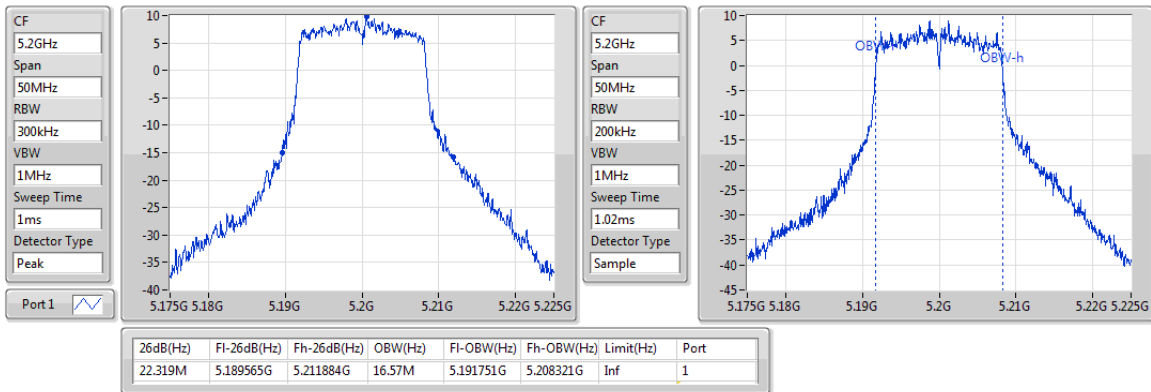
5180MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

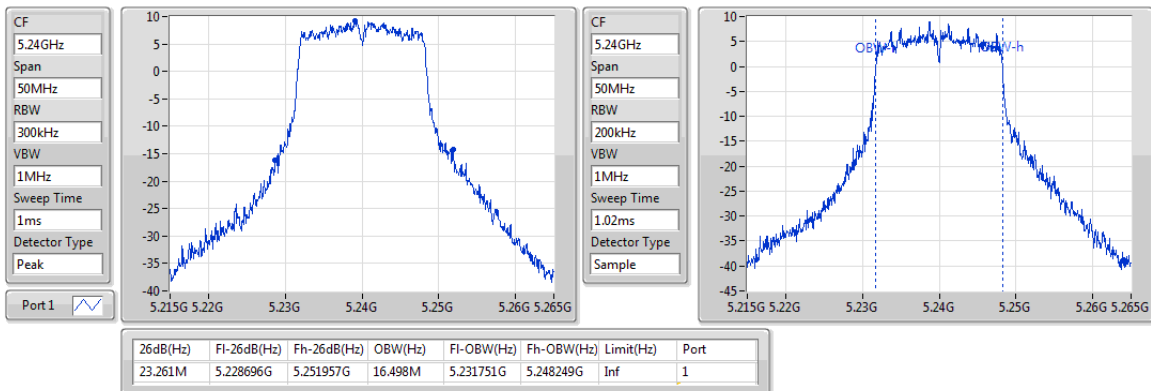
5200MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

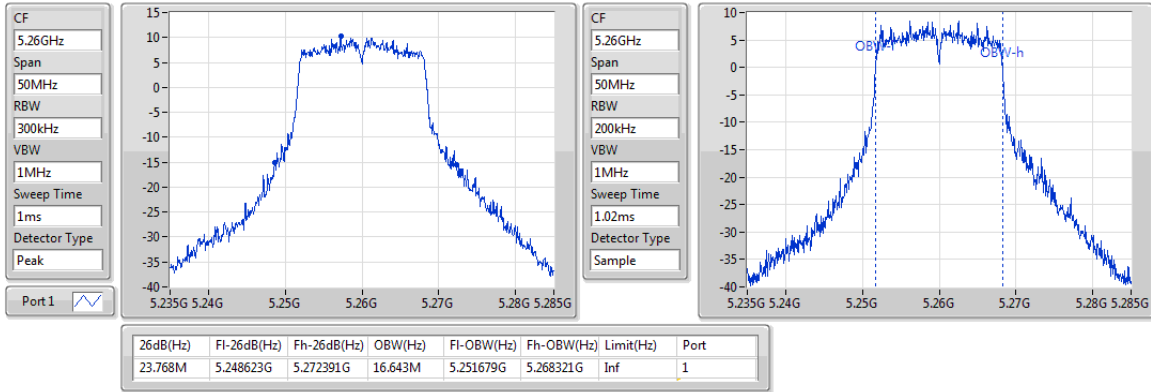
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802.11a_Nss1,(6Mbps)_1TX

EBW

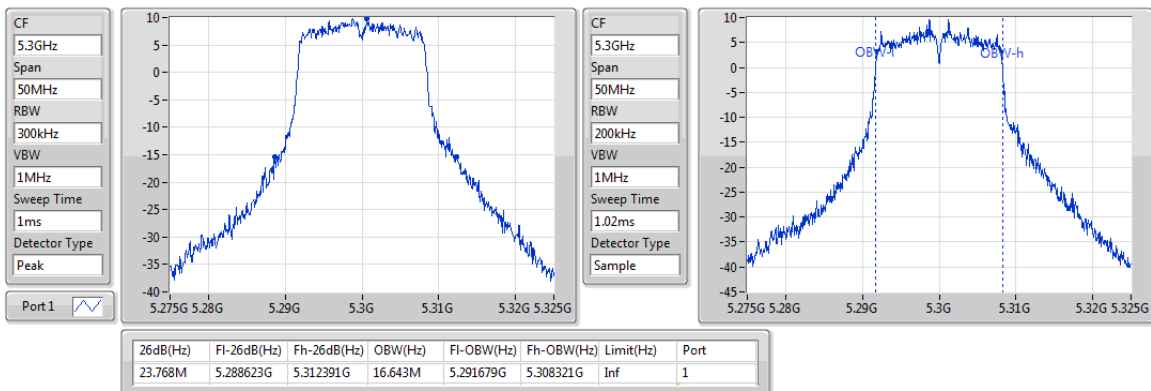
5260MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

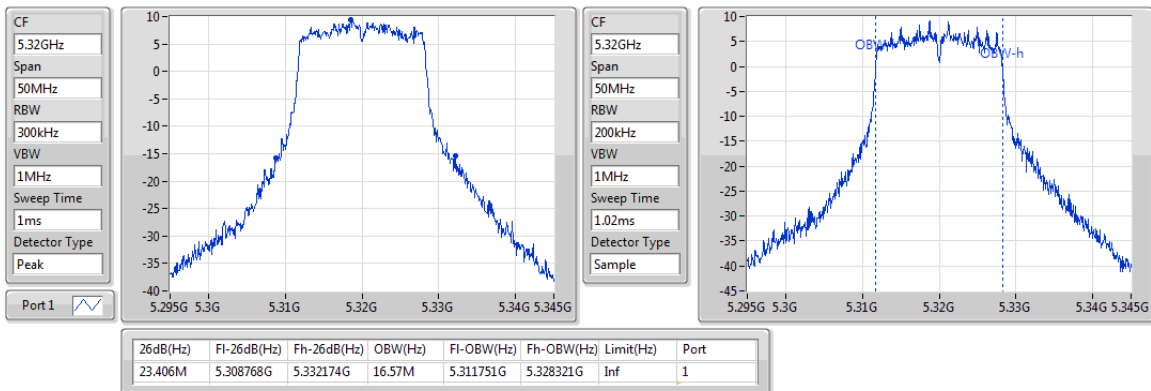
5300MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

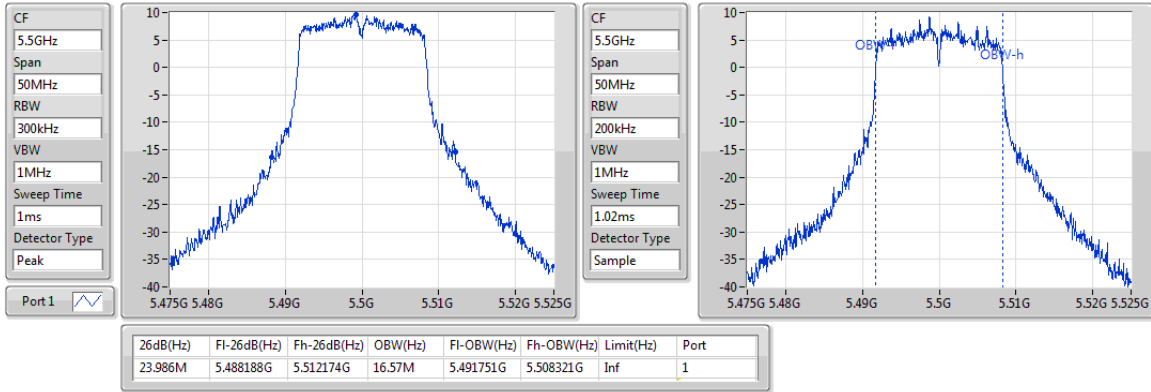
5320MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

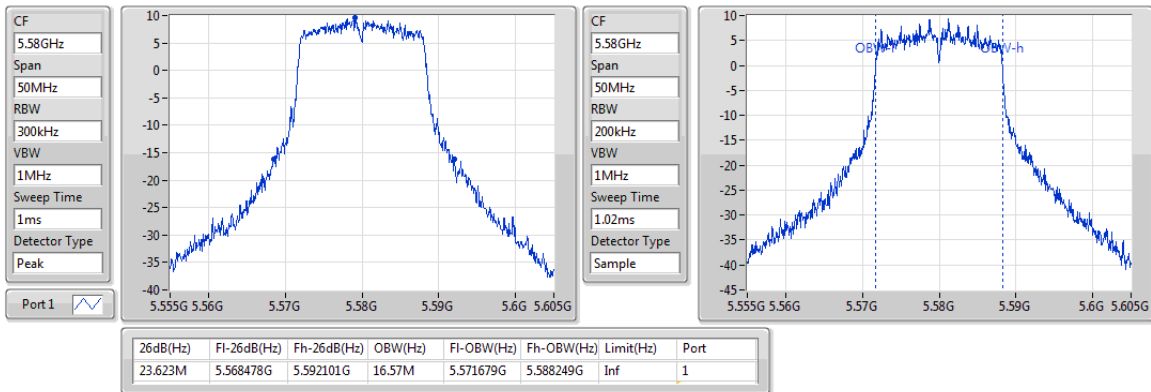
5500MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

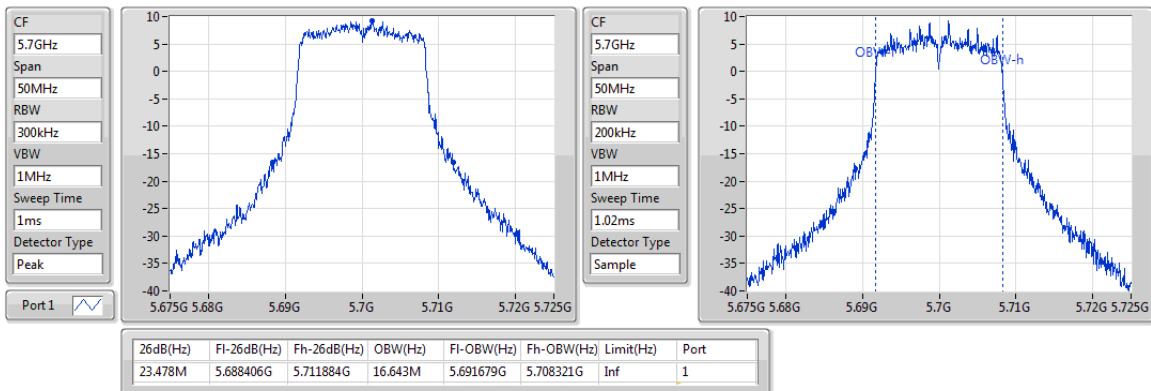
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802.11a_Nss1,(6Mbps)_1TX

EBW

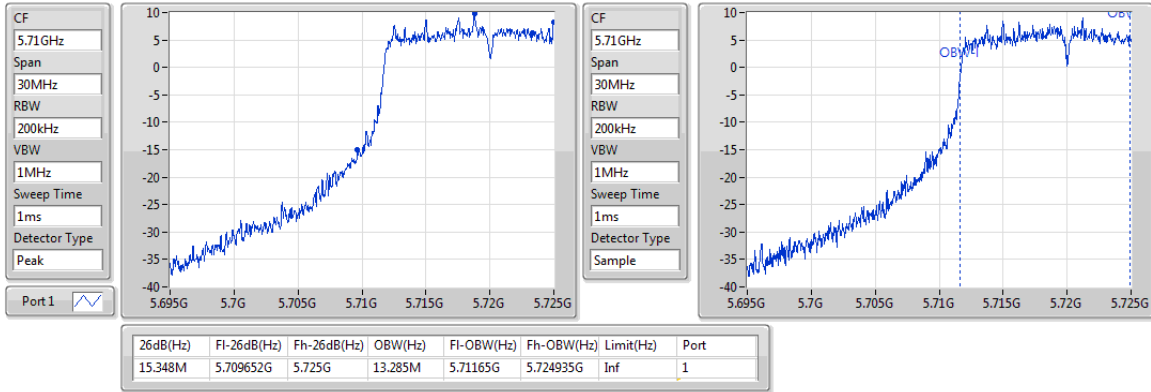
5700MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

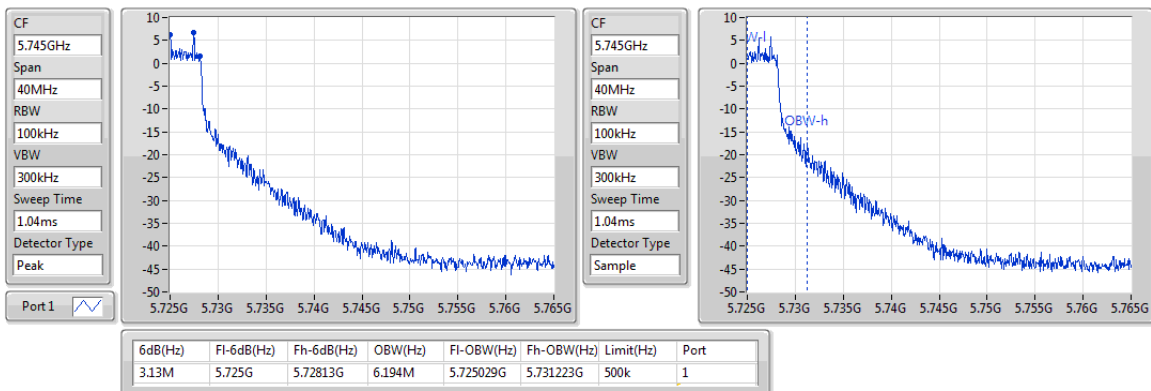
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

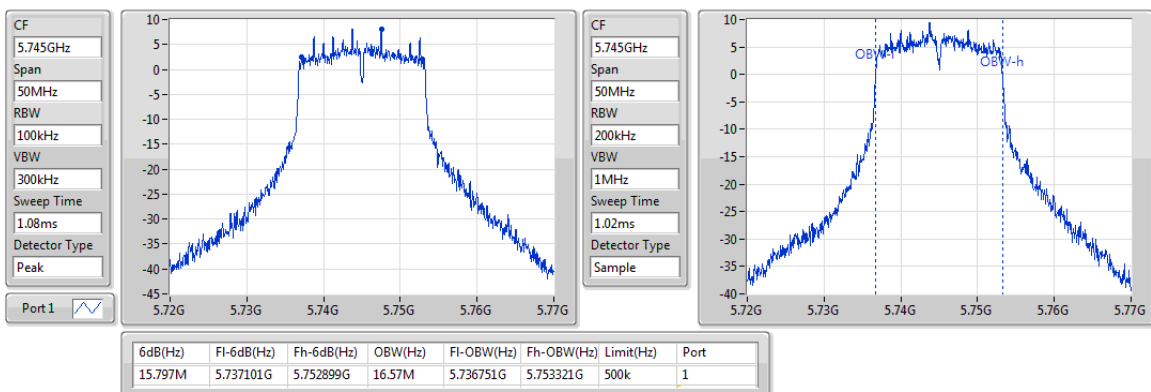
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

EBW

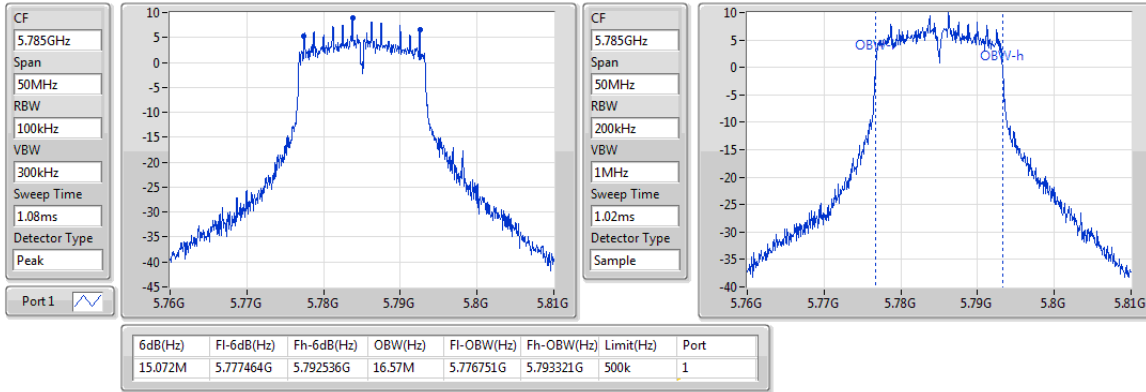
5745MHz



802.11a_Nss1,(6Mbps)_1TX

EBW

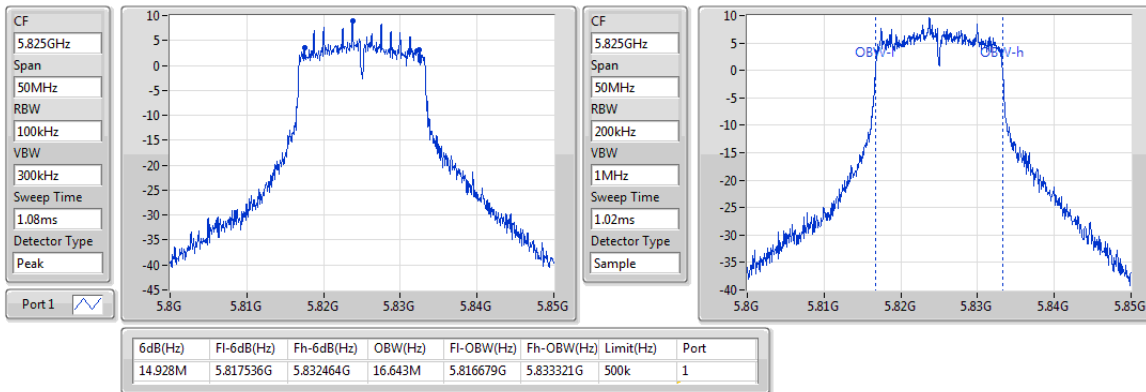
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802.11a_Nss1,(6Mbps)_1TX

EBW

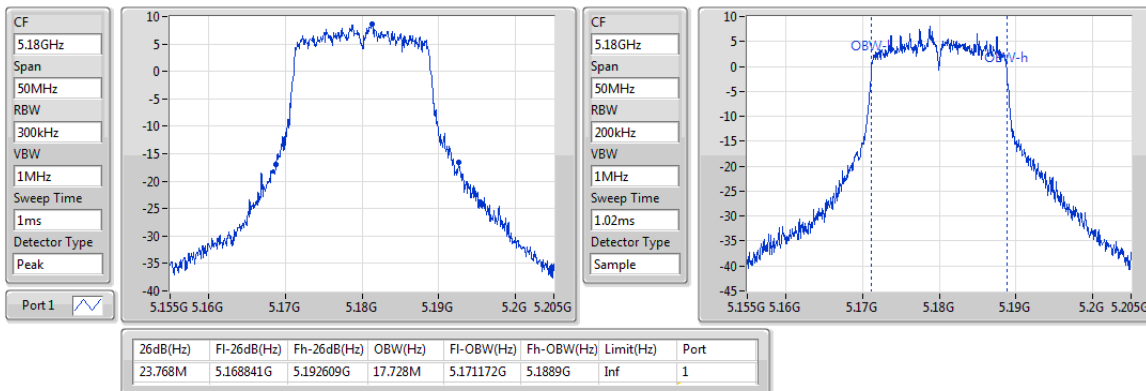
5825MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

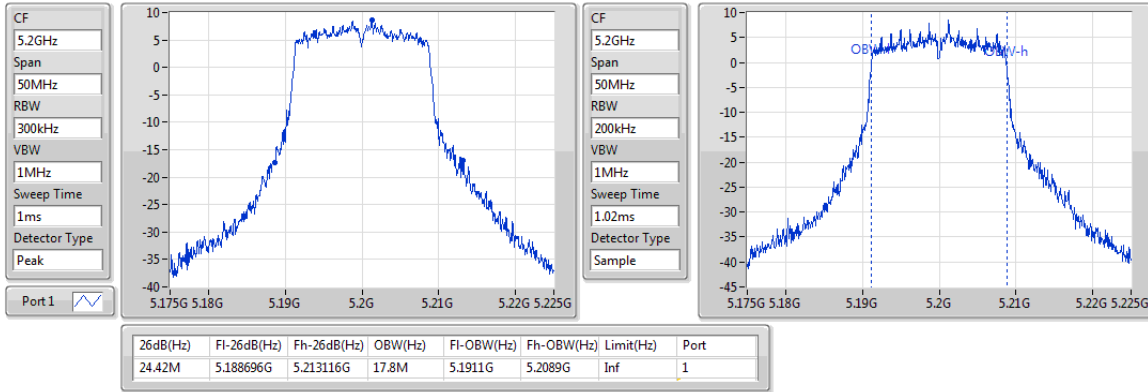
5180MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

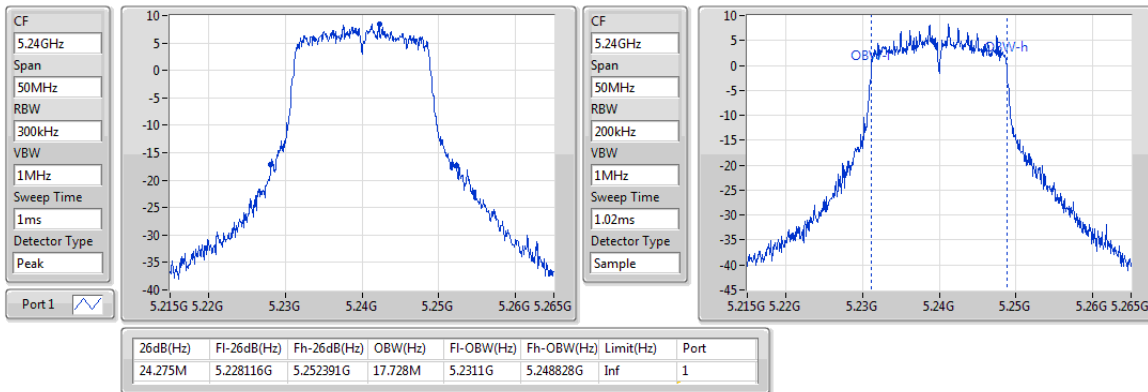
5200MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

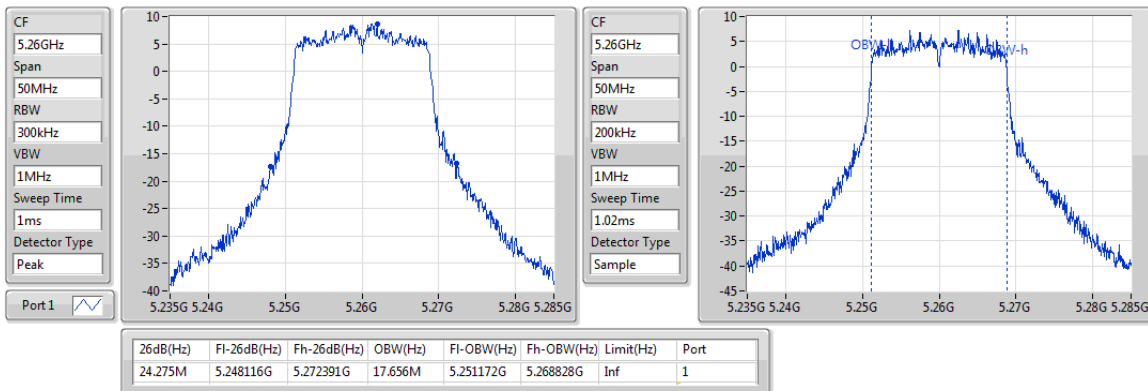
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

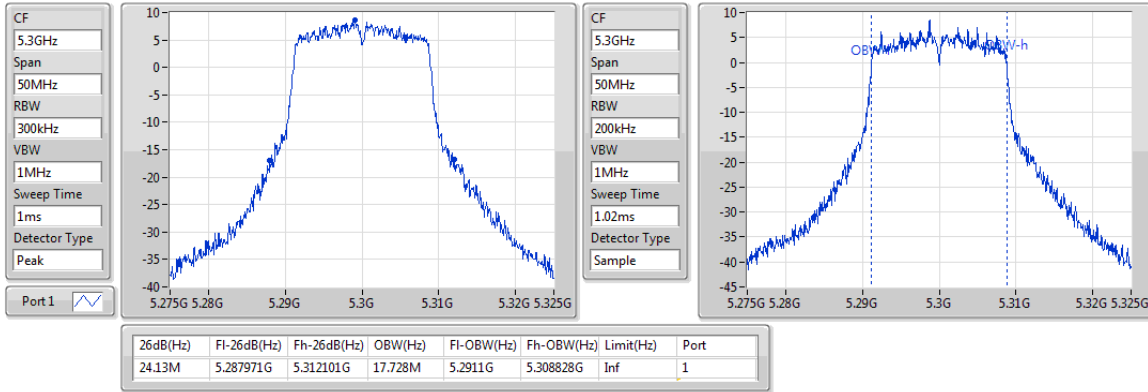
5260MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

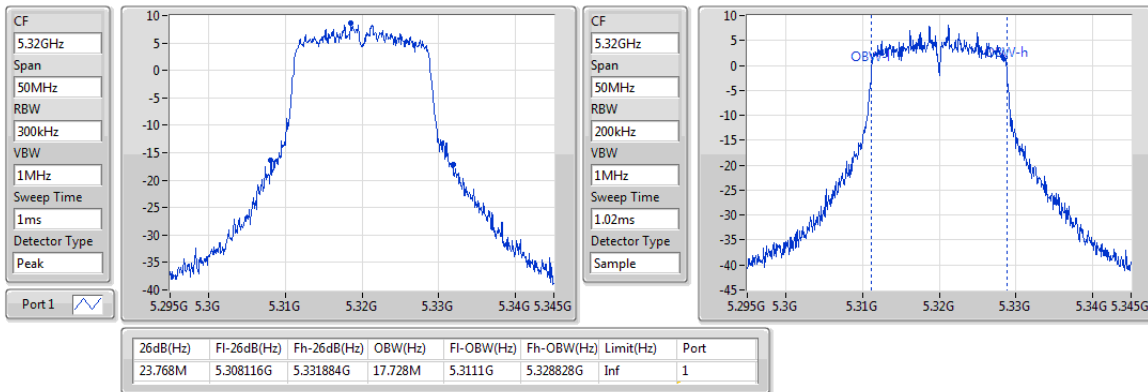
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

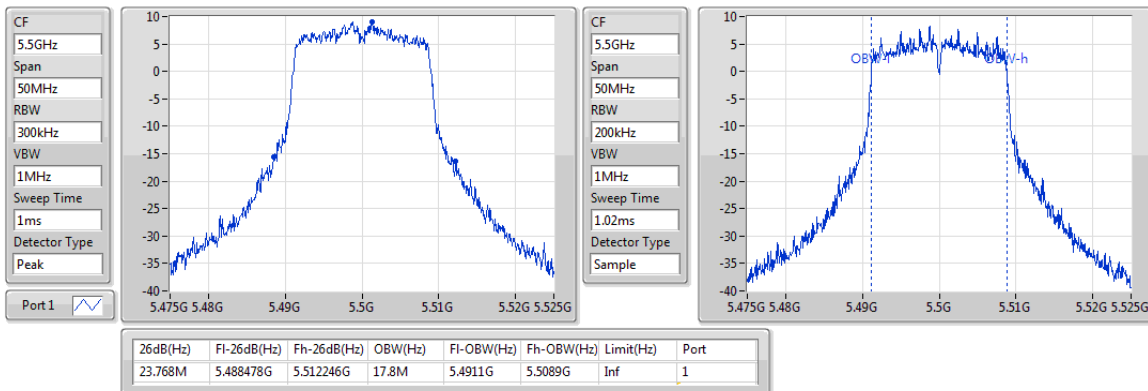
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

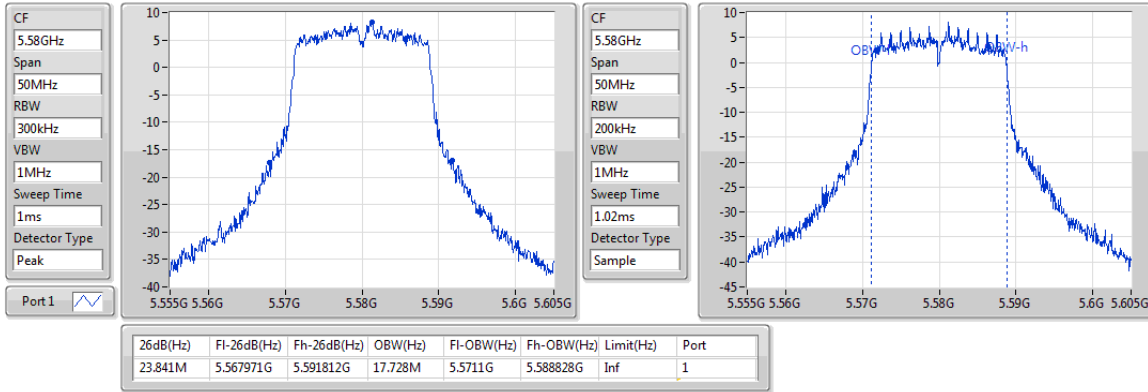
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802.11ac VHT20_Nss1,(MCS0)_1TX

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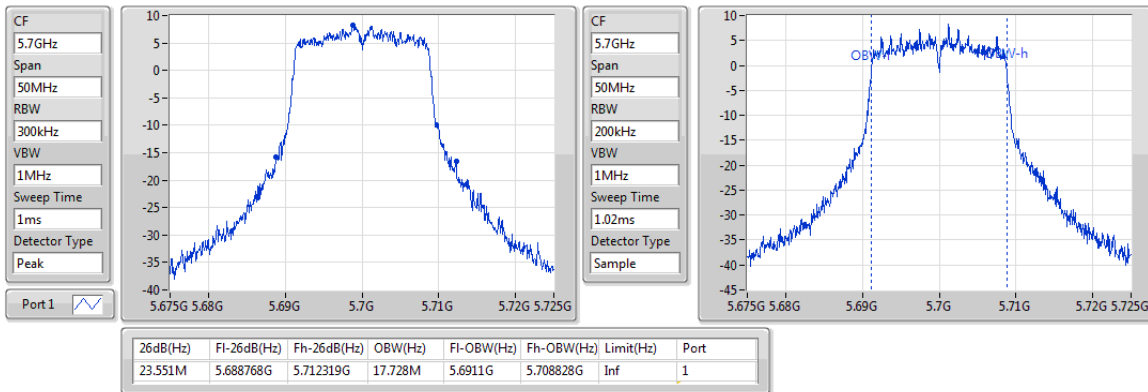
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

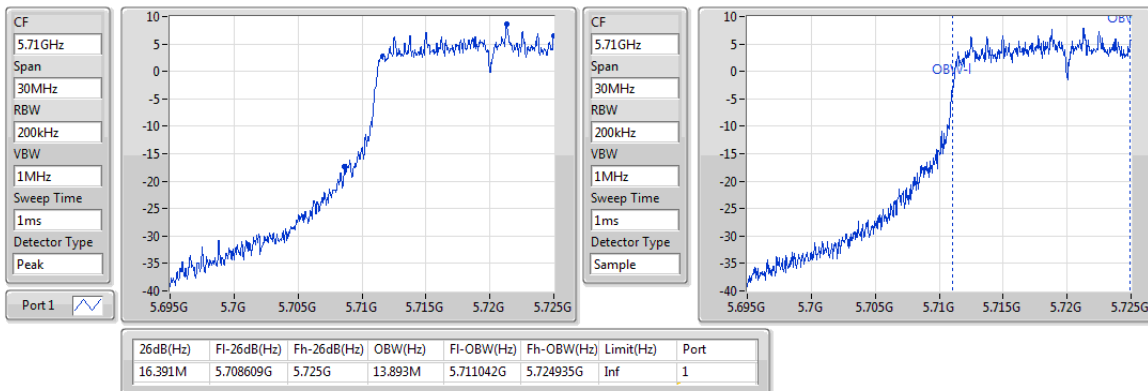
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

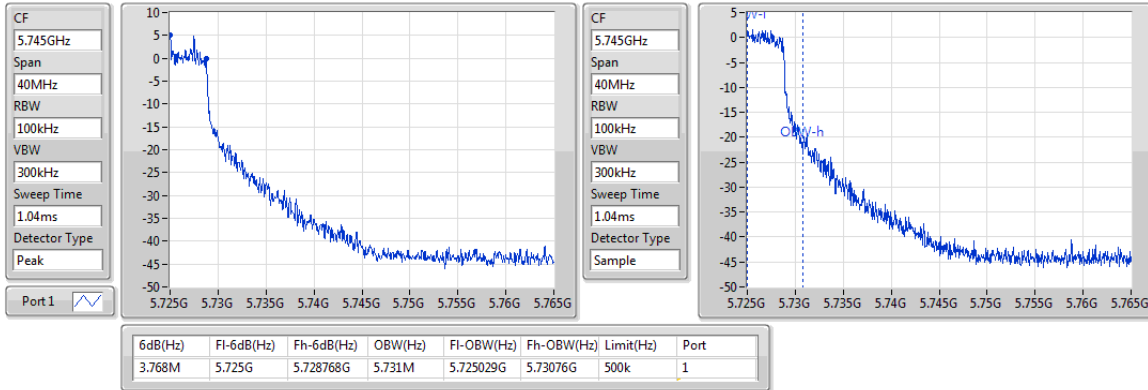
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

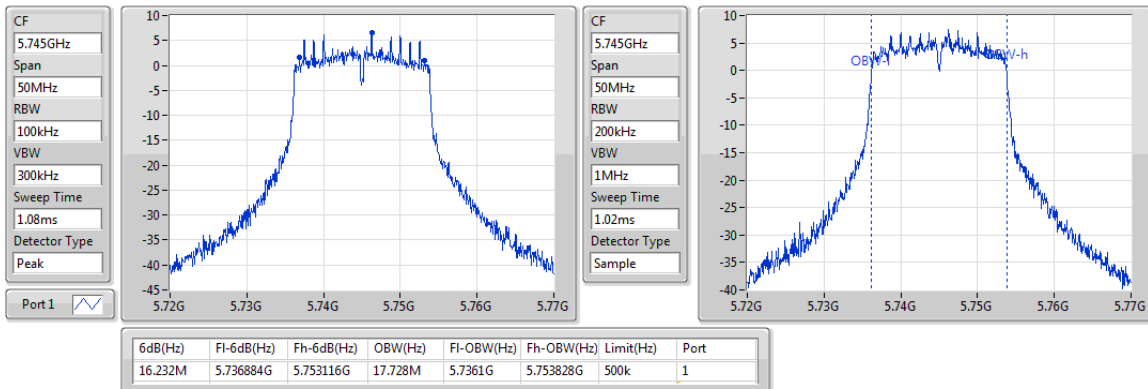
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

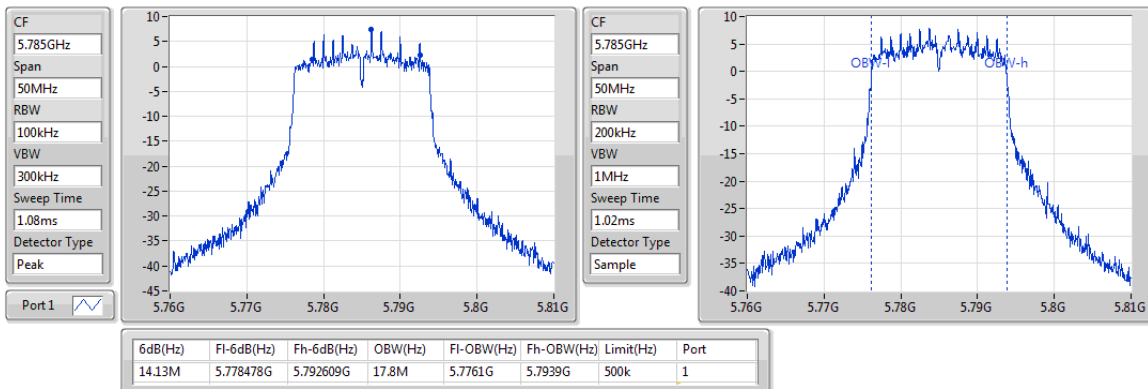
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

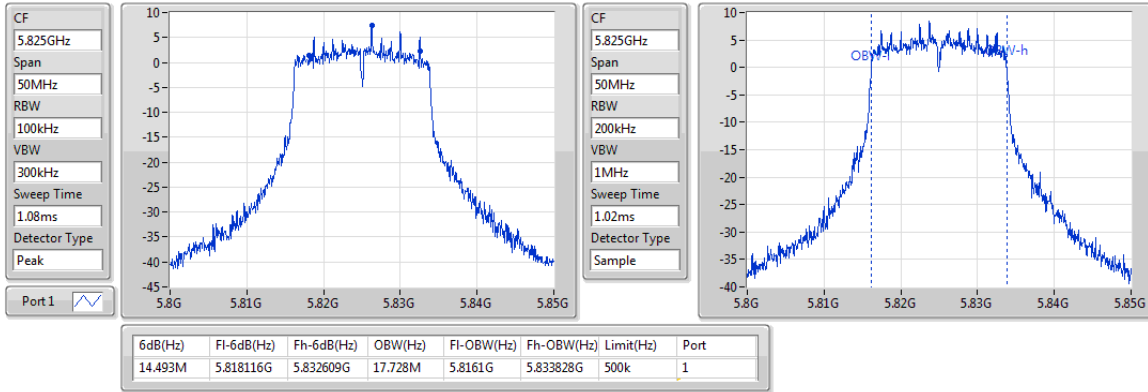
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802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

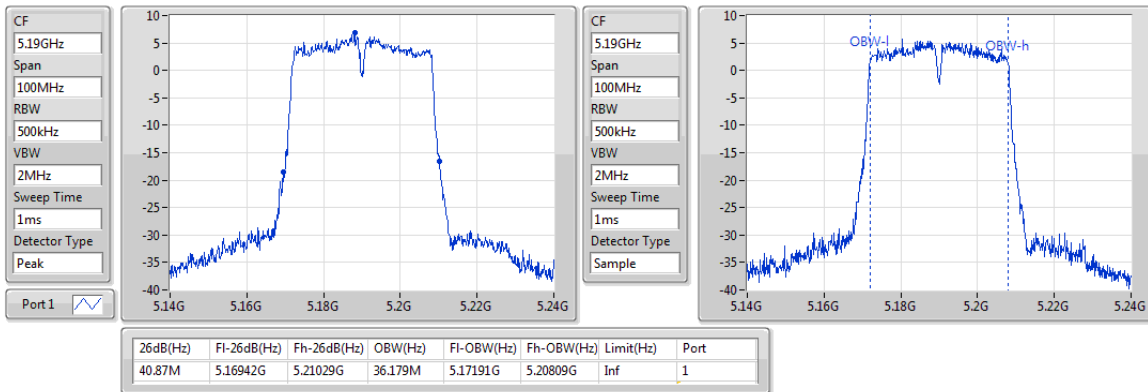
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

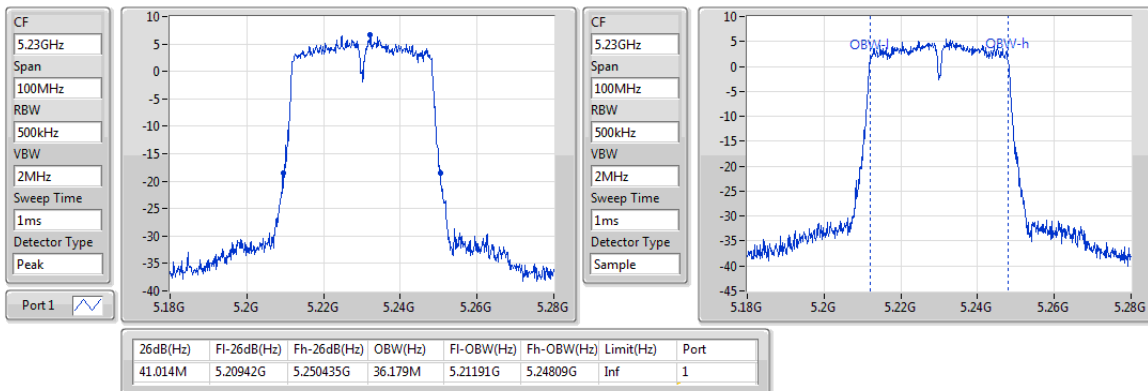
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802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

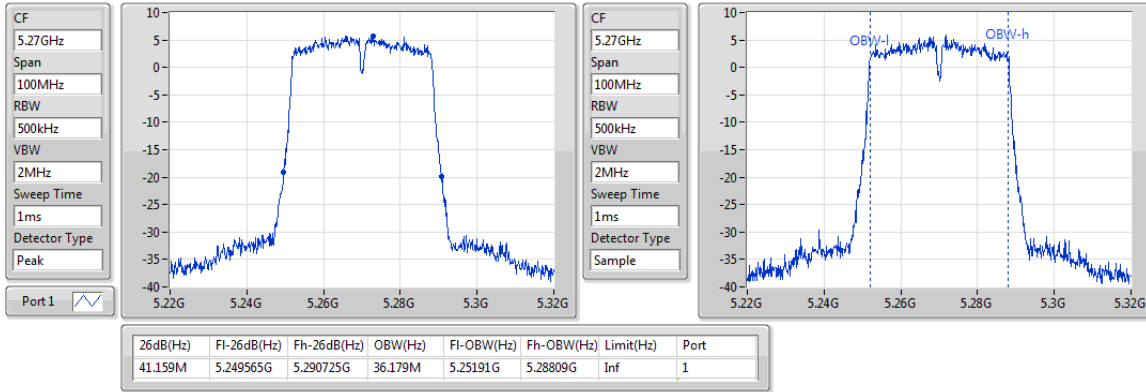
5230MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

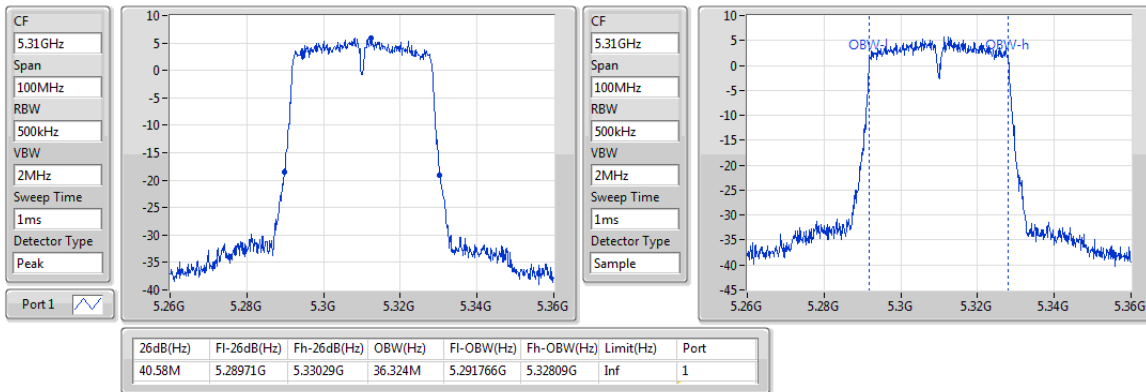
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802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

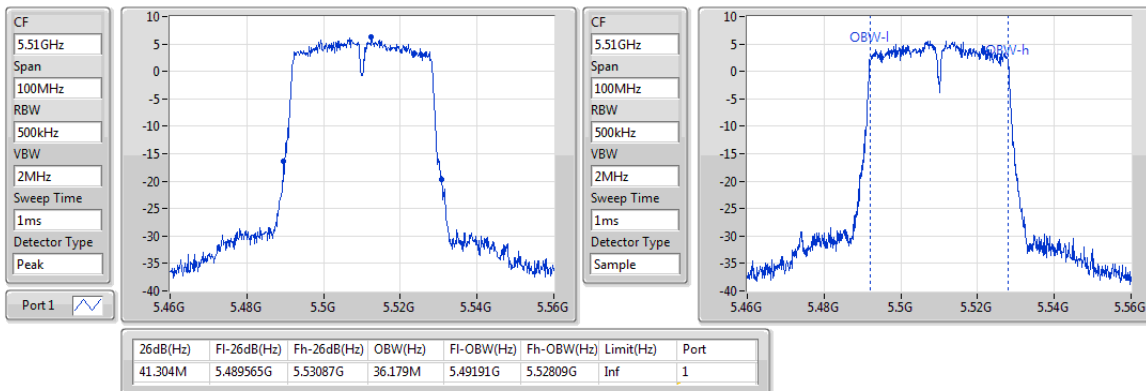
5310MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

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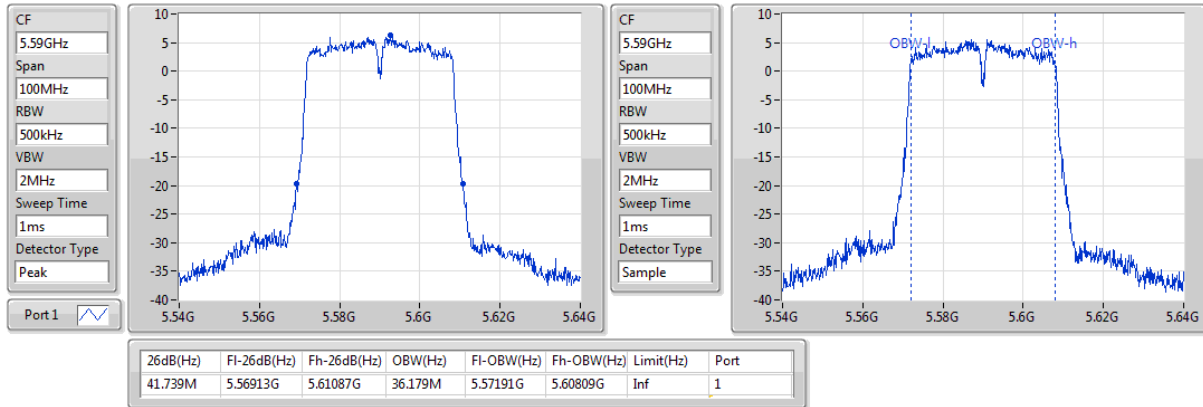
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802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

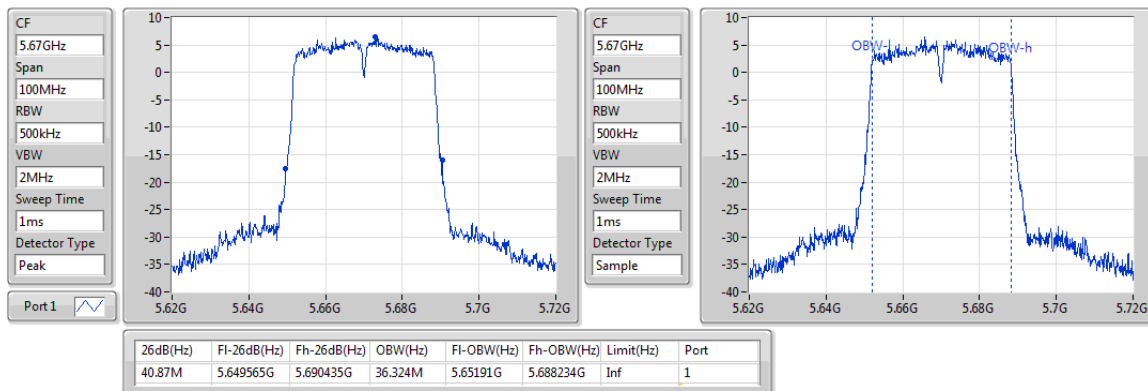
5590MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

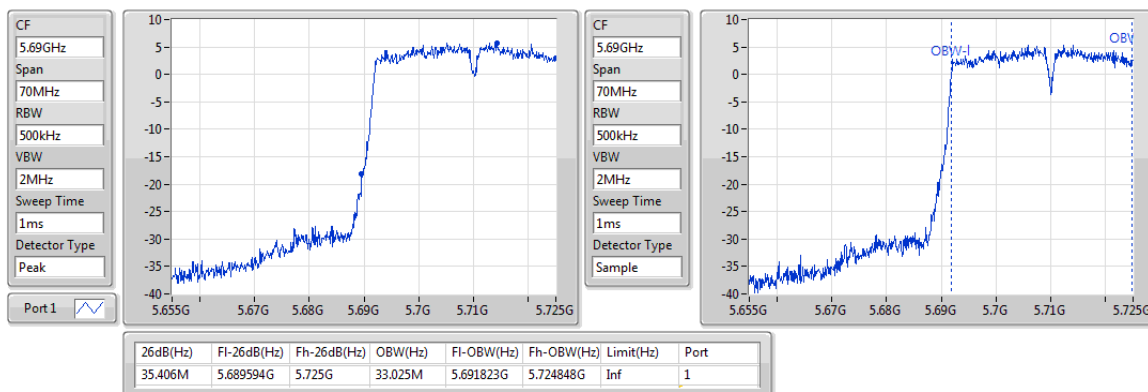
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

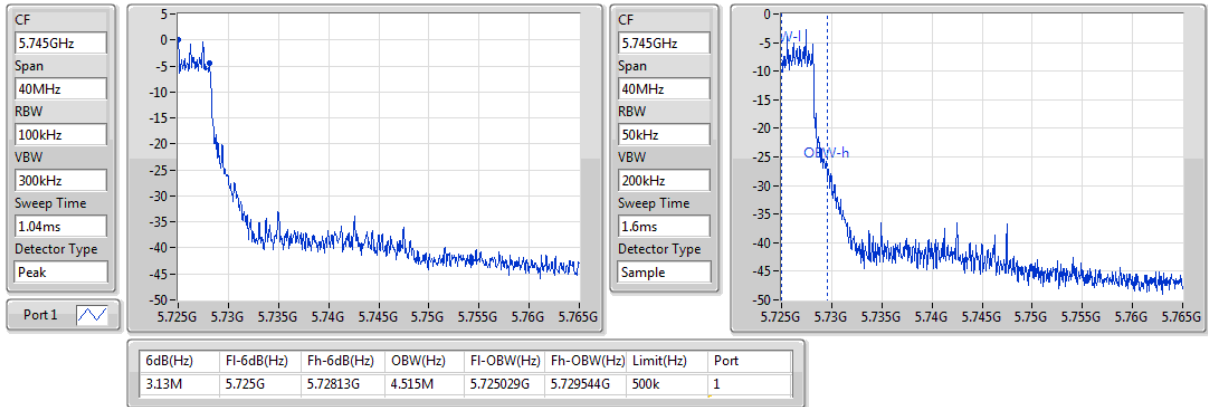
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

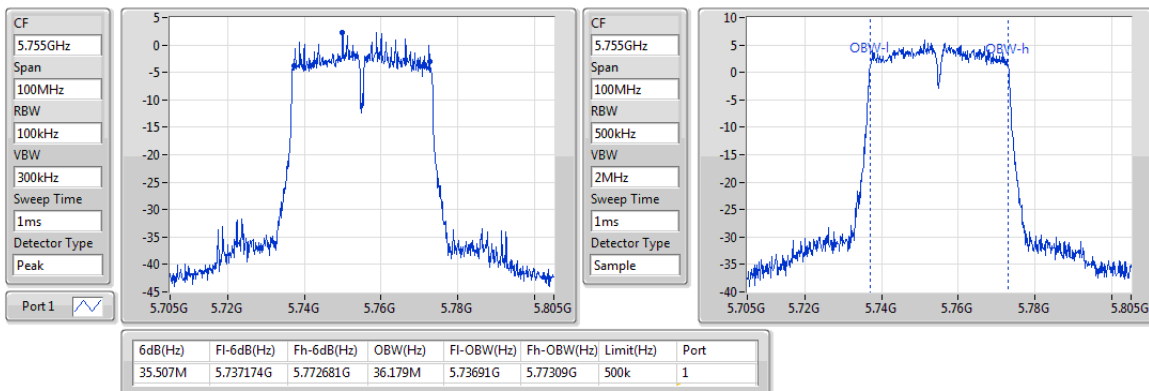
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

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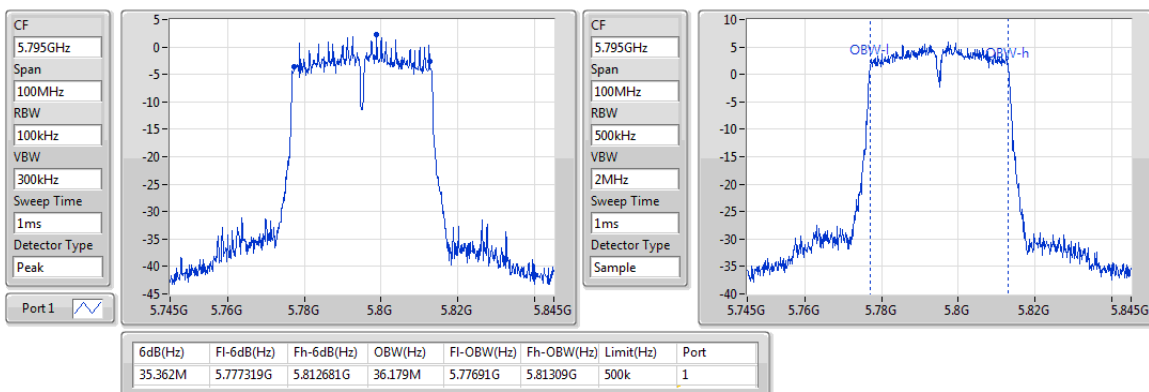
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802.11ac VHT40_Nss1,(MCS0)_1TX

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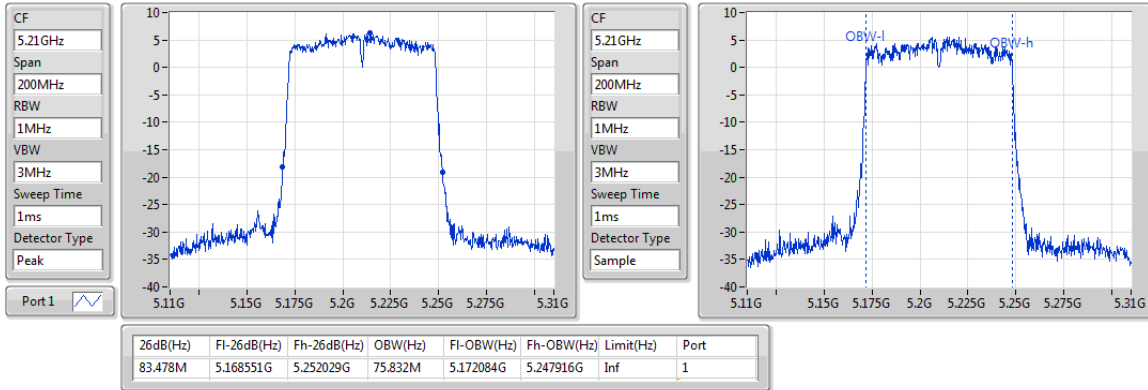
5795MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

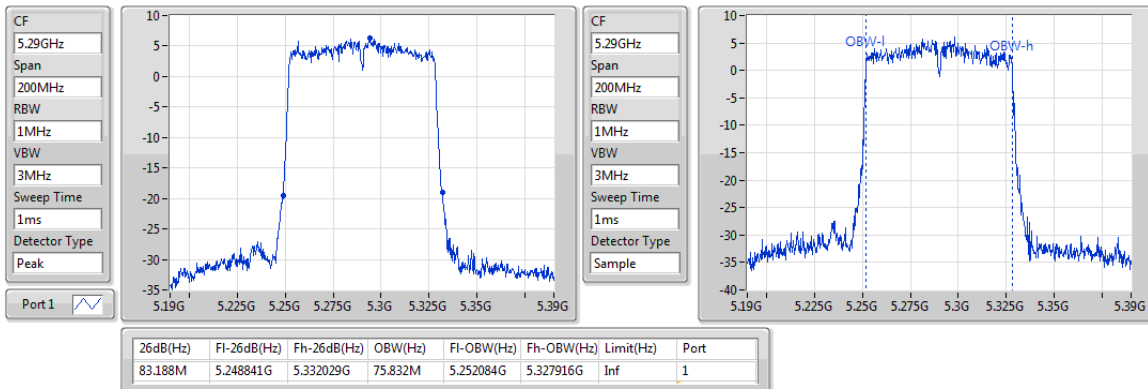
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

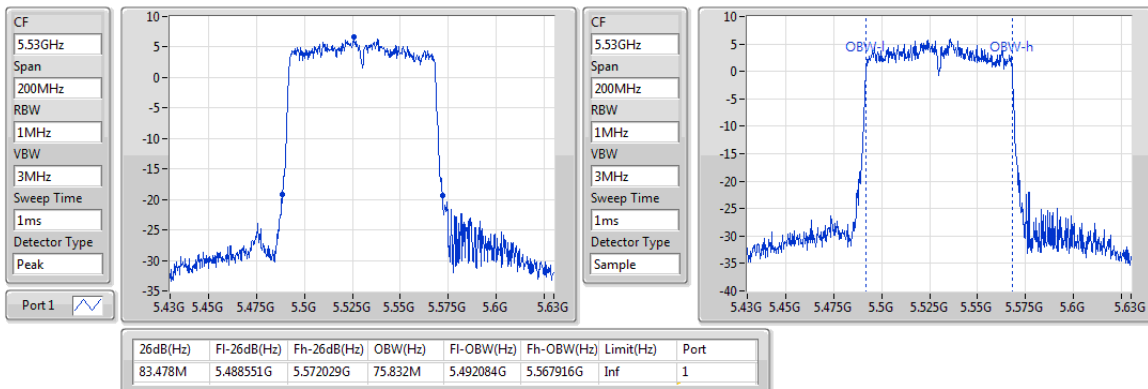
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802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

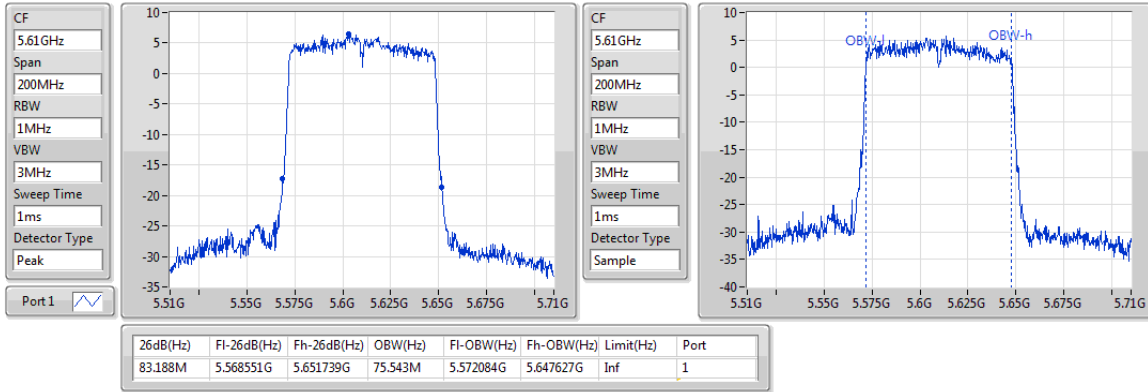
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802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

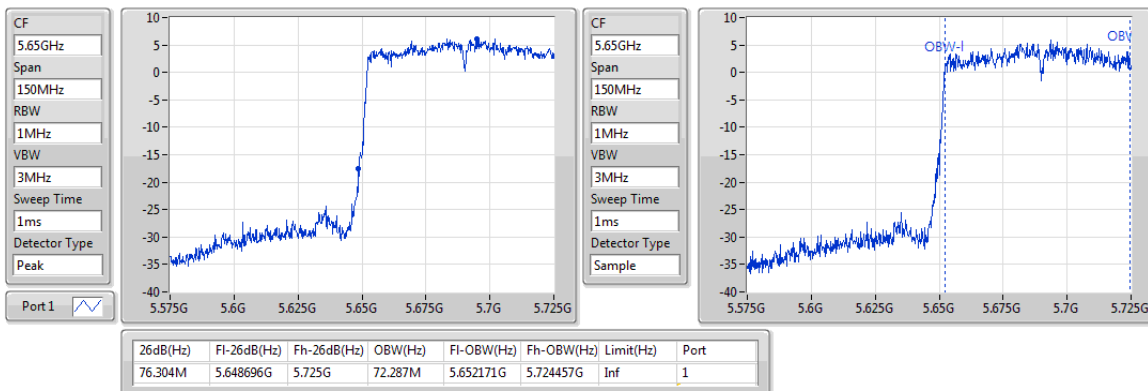
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

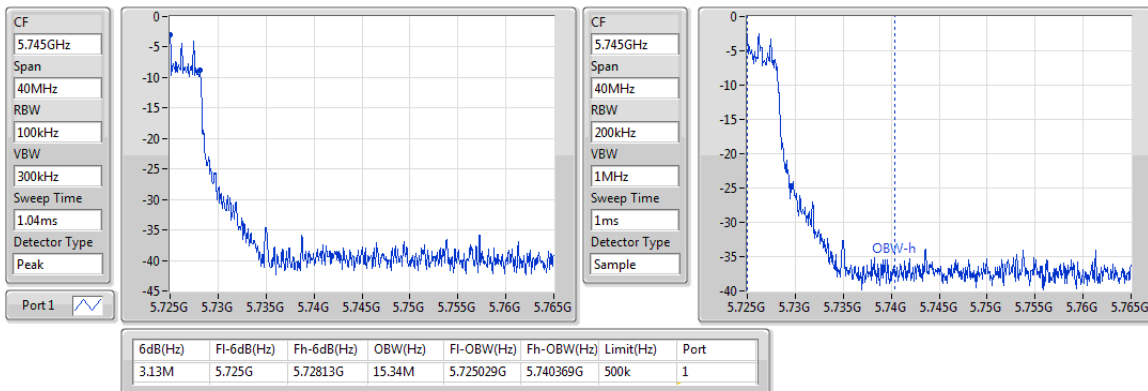
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

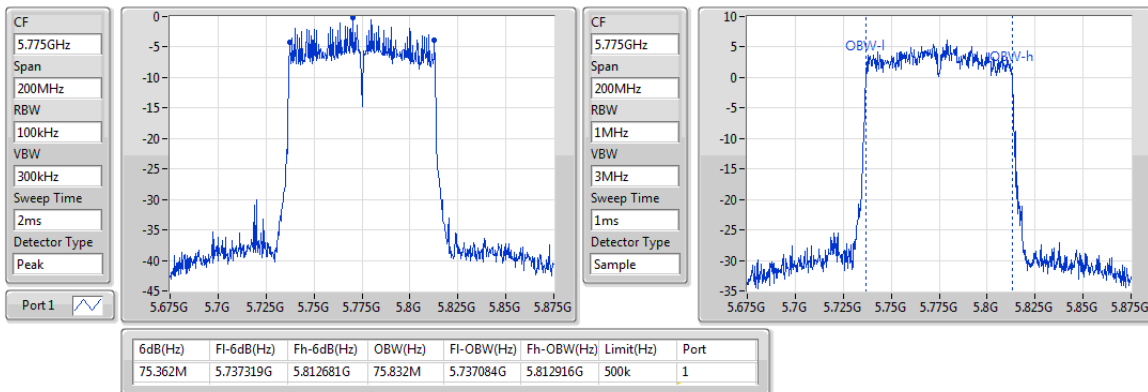
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5775MHz



3.3 RF Output Power

3.3.1 Limit of RF Output Power

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

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

3.3.2 Test Procedures

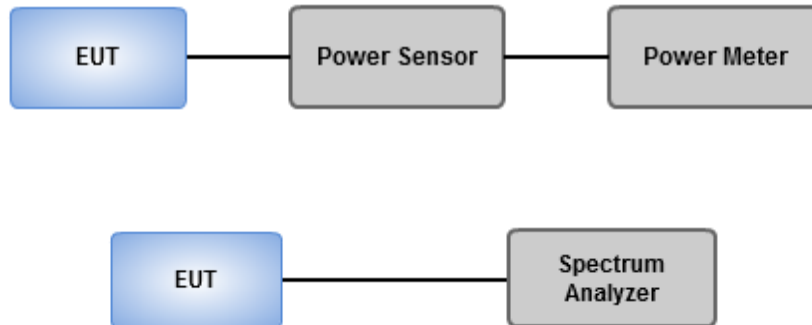
Method PM-G (Measurement using a gated RF average power meter)

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%.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Ambient Condition	18-20°C / 63-65%	Tested By	Aska Huang
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Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.06	0.06397	21.90	0.15488
802.11ac VHT20_Nss1,(MCS0)_1TX	16.83	0.04819	20.67	0.11668
802.11ac VHT40_Nss1,(MCS0)_1TX	15.35	0.03428	19.19	0.08299
802.11ac VHT80_Nss1,(MCS0)_1TX	14.67	0.02931	18.51	0.07096
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.28	0.06730	22.12	0.16293
802.11ac VHT20_Nss1,(MCS0)_1TX	16.75	0.04732	20.59	0.11455
802.11ac VHT40_Nss1,(MCS0)_1TX	15.22	0.03327	19.06	0.08054
802.11ac VHT80_Nss1,(MCS0)_1TX	14.65	0.02917	18.49	0.07063
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.08	0.06427	21.97	0.15740
802.11ac VHT20_Nss1,(MCS0)_1TX	16.86	0.04853	20.75	0.11885
802.11ac VHT40_Nss1,(MCS0)_1TX	15.62	0.03648	19.51	0.08933
802.11ac VHT80_Nss1,(MCS0)_1TX	14.62	0.02897	18.51	0.07096
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.48	0.07047	22.20	0.16596
802.11ac VHT20_Nss1,(MCS0)_1TX	16.89	0.04887	20.61	0.11508
802.11ac VHT40_Nss1,(MCS0)_1TX	15.32	0.03404	19.04	0.08017
802.11ac VHT80_Nss1,(MCS0)_1TX	14.59	0.02877	18.31	0.06776

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	3.84	18.03	18.03	24.00	21.87	30.00
5200MHz	Pass	3.84	18.06	18.06	24.00	21.90	30.00
5240MHz	Pass	3.84	18.01	18.01	24.00	21.85	30.00
5260MHz	Pass	3.84	18.28	18.28	24.00	22.12	30.00
5300MHz	Pass	3.84	18.25	18.25	24.00	22.09	30.00
5320MHz	Pass	3.84	18.02	18.02	24.00	21.86	30.00
5500MHz	Pass	3.89	18.01	18.01	24.00	21.90	30.00
5580MHz	Pass	3.89	18.08	18.08	24.00	21.97	30.00
5700MHz	Pass	3.89	17.77	17.77	24.00	21.66	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.89	17.77	17.77	22.86	21.66	28.86
5720MHz Straddle 5.725-5.85GHz	Pass	3.72	10.79	10.79	30.00	14.51	36.00
5745MHz	Pass	3.72	18.44	18.44	30.00	22.16	36.00
5785MHz	Pass	3.72	18.38	18.38	30.00	22.10	36.00
5825MHz	Pass	3.72	18.48	18.48	30.00	22.20	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-00	-	-	-	-
5180MHz	Pass	3.84	16.82	16.82	24.00	20.66	30.00
5200MHz	Pass	3.84	16.81	16.81	24.00	20.65	30.00
5240MHz	Pass	3.84	16.83	16.83	24.00	20.67	30.00
5260MHz	Pass	3.84	16.73	16.73	24.00	20.57	30.00
5300MHz	Pass	3.84	16.75	16.75	24.00	20.59	30.00
5320MHz	Pass	3.84	16.49	16.49	24.00	20.33	30.00
5500MHz	Pass	3.89	16.84	16.84	24.00	20.73	30.00
5580MHz	Pass	3.89	16.86	16.86	24.00	20.75	30.00
5700MHz	Pass	3.89	16.58	16.58	24.00	20.47	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.89	16.23	16.23	23.15	20.12	29.15
5720MHz Straddle 5.725-5.85GHz	Pass	3.72	9.81	9.81	30.00	13.53	36.00
5745MHz	Pass	3.72	16.89	16.89	30.00	20.61	36.00
5785MHz	Pass	3.72	16.85	16.85	30.00	20.57	36.00
5825MHz	Pass	3.72	16.87	16.87	30.00	20.59	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.84	15.31	15.31	24.00	19.15	30.00
5230MHz	Pass	3.84	15.35	15.35	24.00	19.19	30.00
5270MHz	Pass	3.84	15.22	15.22	24.00	19.06	30.00
5310MHz	Pass	3.84	15.15	15.15	24.00	18.99	30.00
5510MHz	Pass	3.89	15.45	15.45	24.00	19.34	30.00

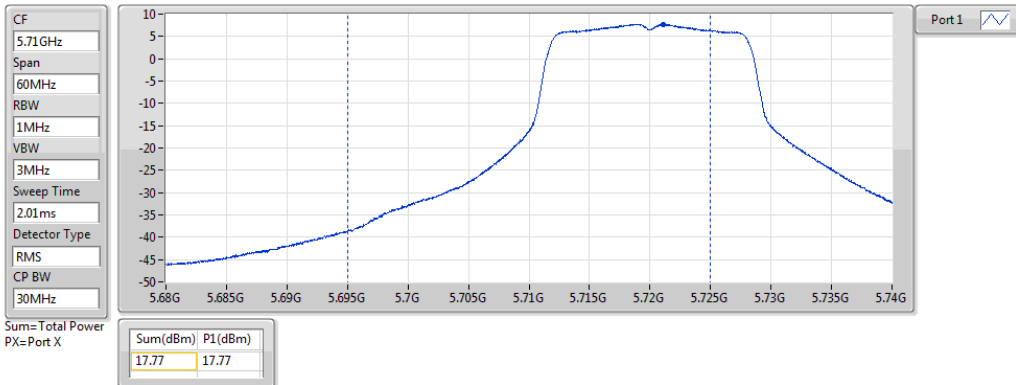
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5590MHz	Pass	3.89	15.29	15.29	24.00	19.18	30.00
5670MHz	Pass	3.89	15.62	15.62	24.00	19.51	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.89	15.07	15.07	24.00	18.96	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.72	4.19	4.19	30.00	7.91	36.00
5755MHz	Pass	3.72	15.32	15.32	30.00	19.04	36.00
5795MHz	Pass	3.72	15.31	15.31	30.00	19.03	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.84	14.67	14.67	24.00	18.51	30.00
5290MHz	Pass	3.84	14.65	14.65	24.00	18.49	30.00
5530MHz	Pass	3.89	14.53	14.53	24.00	18.42	30.00
5610MHz	Pass	3.89	14.61	14.61	24.00	18.50	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.89	14.62	14.62	24.00	18.51	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.72	0.51	0.51	30.00	4.23	36.00
5775MHz	Pass	3.72	14.59	14.59	30.00	18.31	36.00

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

802.11a_Nss1,(6Mbps)_1TX

AV Power

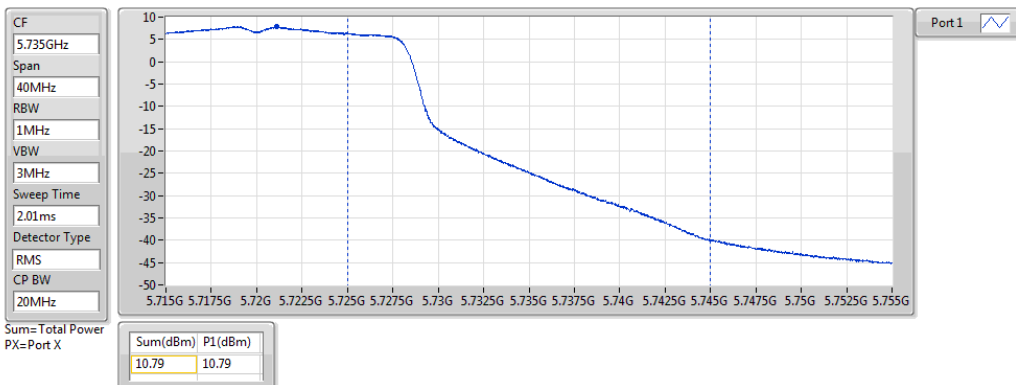
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

AV Power

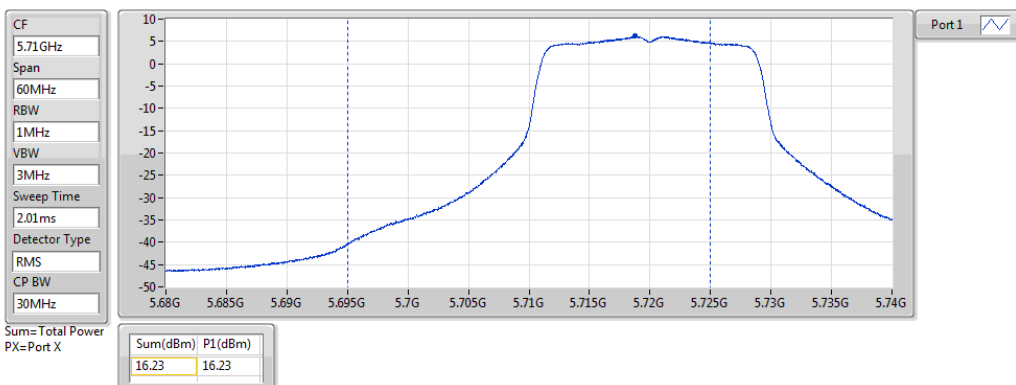
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802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

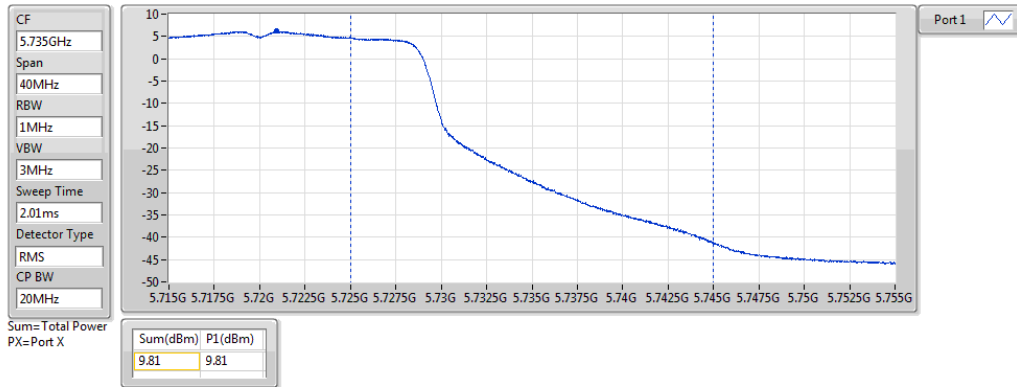
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

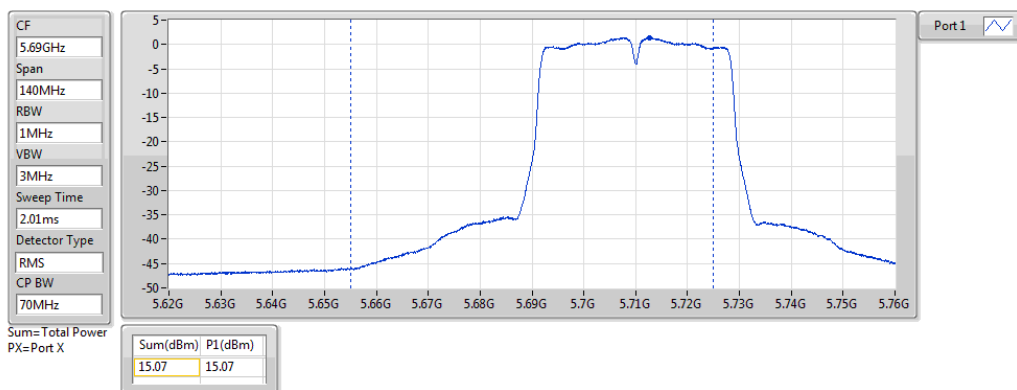
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

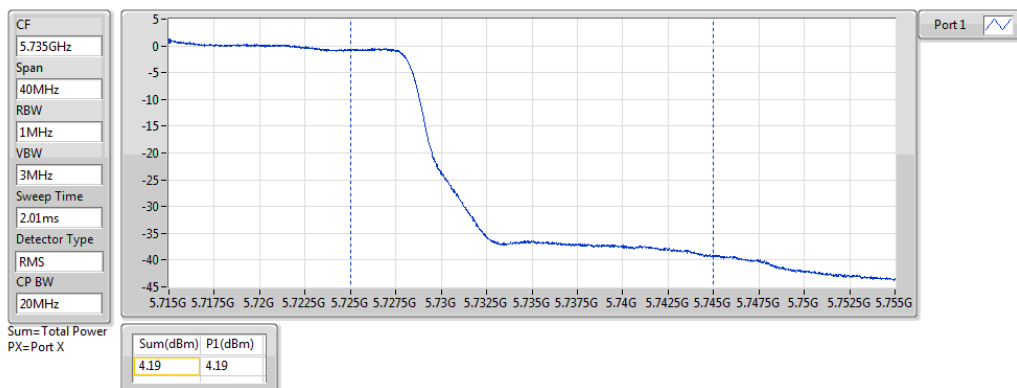
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

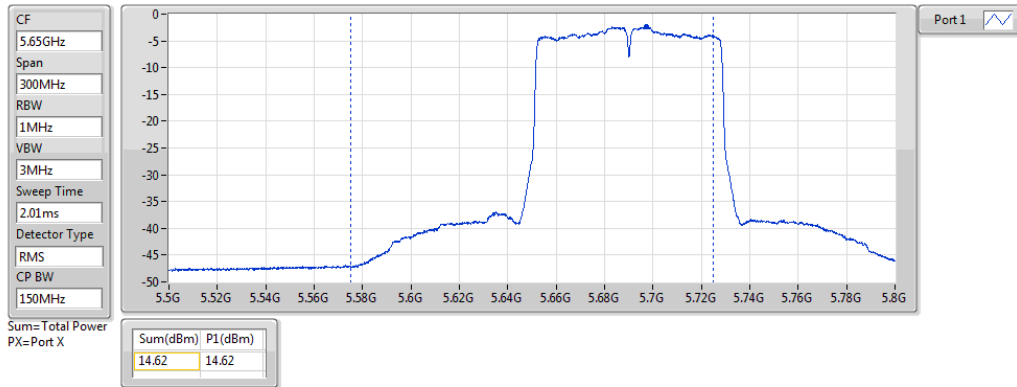
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

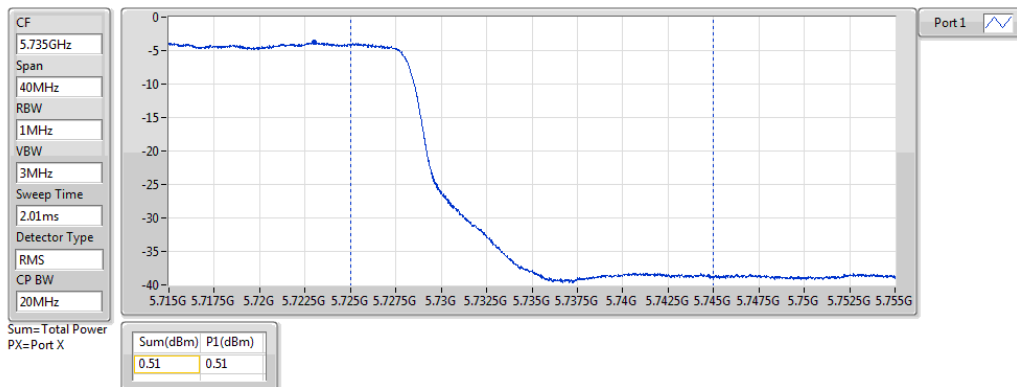
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz



3.4 Peak Power Spectral Density

3.4.1 Limit of Peak 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

3.4.2 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

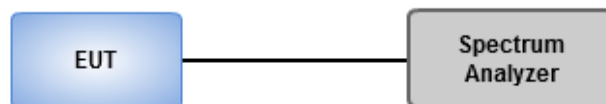
Duty cycle $\geq 98\%$

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.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Ambient Condition	18-20°C / 63-65%	Tested By	Aska Huang
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Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	5.86	9.70
802.11ac VHT20_Nss1,(MCS0)_1TX	4.52	8.36
802.11ac VHT40_Nss1,(MCS0)_1TX	0.18	4.02
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.63	0.21
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	6.15	9.99
802.11ac VHT20_Nss1,(MCS0)_1TX	4.56	8.40
802.11ac VHT40_Nss1,(MCS0)_1TX	-0.06	3.78
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.75	0.09
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	6.27	10.16
802.11ac VHT20_Nss1,(MCS0)_1TX	4.94	8.83
802.11ac VHT40_Nss1,(MCS0)_1TX	0.36	4.25
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.53	0.36
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	4.9	8.62
802.11ac VHT20_Nss1,(MCS0)_1TX	3.2	6.92
802.11ac VHT40_Nss1,(MCS0)_1TX	-1.39	2.33
802.11ac VHT80_Nss1,(MCS0)_1TX	-5.22	-1.50

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	3.84	5.86	5.86	11.00	9.70	17.00
5200MHz	Pass	3.84	5.76	5.76	11.00	9.60	17.00
5240MHz	Pass	3.84	5.7	5.70	11.00	9.54	17.00
5260MHz	Pass	3.84	6.09	6.09	11.00	9.93	17.00
5300MHz	Pass	3.84	6.15	6.15	11.00	9.99	17.00
5320MHz	Pass	3.84	5.82	5.82	11.00	9.66	17.00
5500MHz	Pass	3.89	5.97	5.97	11.00	9.86	17.00
5580MHz	Pass	3.89	5.88	5.88	11.00	9.77	17.00
5700MHz	Pass	3.89	5.6	5.60	11.00	9.49	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.89	6.27	6.27	11.00	10.16	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.72	3.03	3.03	30.00	6.75	36.00
5745MHz	Pass	3.72	4.76	4.76	30.00	8.48	36.00
5785MHz	Pass	3.72	4.88	4.88	30.00	8.60	36.00
5825MHz	Pass	3.72	4.9	4.90	30.00	8.62	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.84	4.52	4.52	11.00	8.36	17.00
5200MHz	Pass	3.84	4.52	4.52	11.00	8.36	17.00
5240MHz	Pass	3.84	4.5	4.50	11.00	8.34	17.00
5260MHz	Pass	3.84	4.54	4.54	11.00	8.38	17.00
5300MHz	Pass	3.84	4.56	4.56	11.00	8.40	17.00
5320MHz	Pass	3.84	4.26	4.26	11.00	8.10	17.00
5500MHz	Pass	3.89	4.94	4.94	11.00	8.83	17.00
5580MHz	Pass	3.89	4.17	4.17	11.00	8.06	17.00
5700MHz	Pass	3.89	4.29	4.29	11.00	8.18	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.89	4.51	4.51	11.00	8.40	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.72	1.38	1.38	30.00	5.10	36.00
5745MHz	Pass	3.72	3.12	3.12	30.00	6.84	36.00
5785MHz	Pass	3.72	3.19	3.19	30.00	6.91	36.00
5825MHz	Pass	3.72	3.2	3.20	30.00	6.92	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.84	0.18	0.18	11.00	4.02	17.00
5230MHz	Pass	3.84	0	0.00	11.00	3.84	17.00
5270MHz	Pass	3.84	-0.06	-0.06	11.00	3.78	17.00
5310MHz	Pass	3.84	-0.07	-0.07	11.00	3.77	17.00
5510MHz	Pass	3.89	0.21	0.21	11.00	4.10	17.00
5590MHz	Pass	3.89	0.02	0.02	11.00	3.91	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5670MHz	Pass	3.89	0.36	0.36	11.00	4.25	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.89	-0.25	-0.25	11.00	3.64	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.72	-3.77	-3.77	30.00	-0.05	36.00
5755MHz	Pass	3.72	-1.5	-1.50	30.00	2.22	36.00
5795MHz	Pass	3.72	-1.39	-1.39	30.00	2.33	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.84	-3.63	-3.63	11.00	0.21	17.00
5290MHz	Pass	3.84	-3.75	-3.75	11.00	0.09	17.00
5530MHz	Pass	3.89	-3.58	-3.58	11.00	0.31	17.00
5610MHz	Pass	3.89	-3.53	-3.53	11.00	0.36	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.89	-4.08	-4.08	11.00	-0.19	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.72	-6.88	-6.88	30.00	-3.16	36.00
5775MHz	Pass	3.72	-5.22	-5.22	30.00	-1.50	36.00

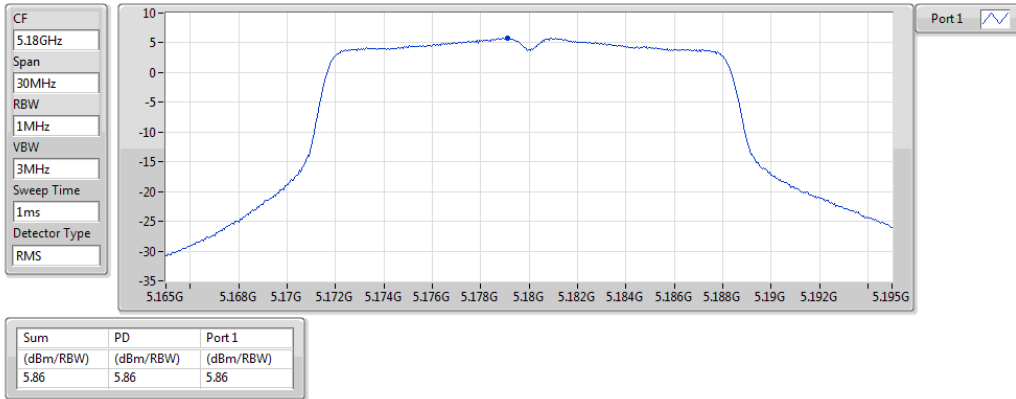
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = Power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_1TX

PSD

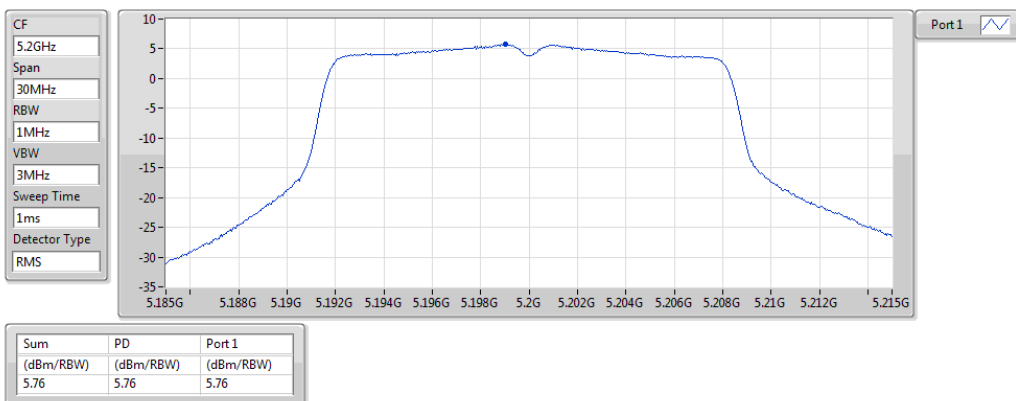
5180MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

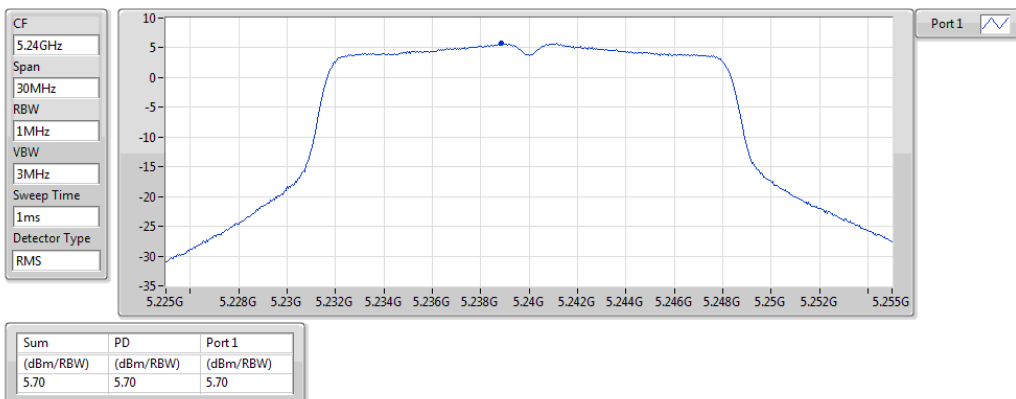
5200MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

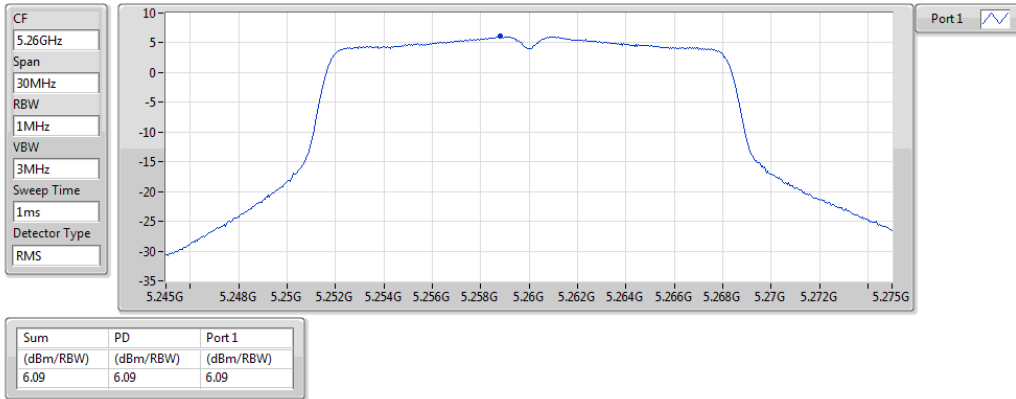
5240MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

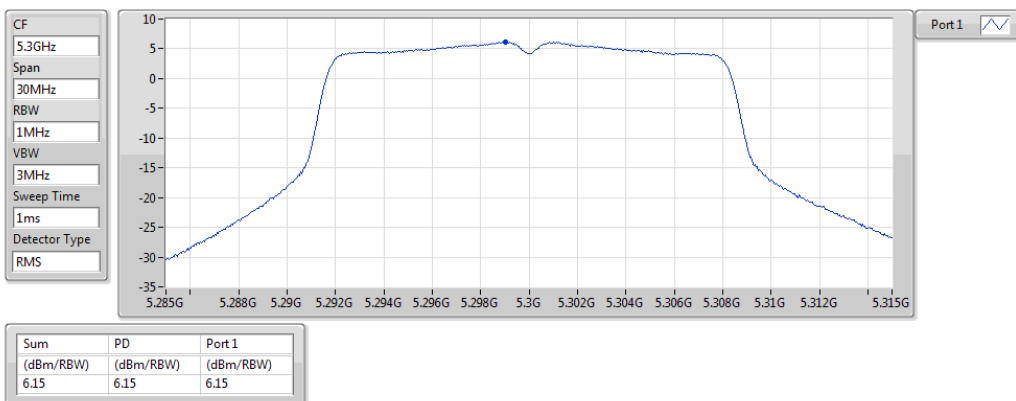
5260MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

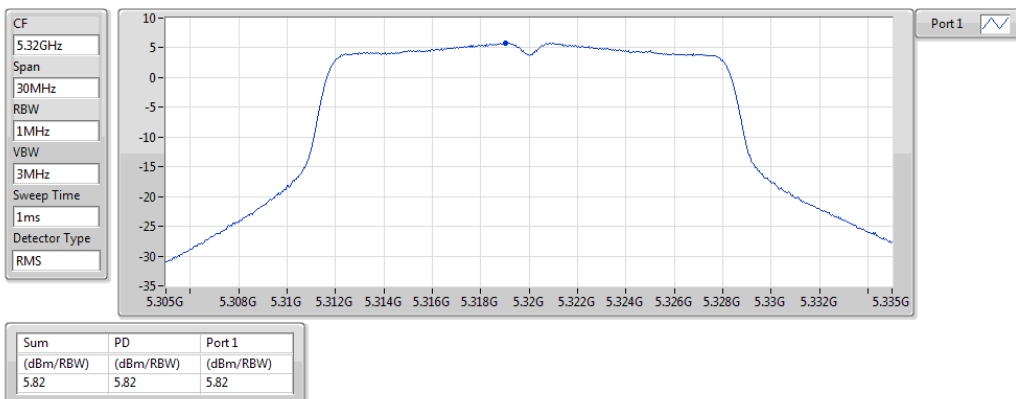
5300MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

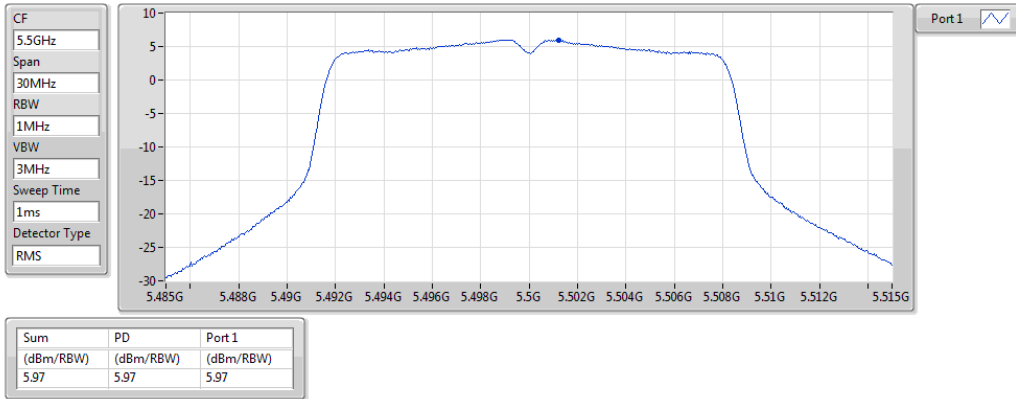
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802.11a_Nss1,(6Mbps)_1TX

PSD

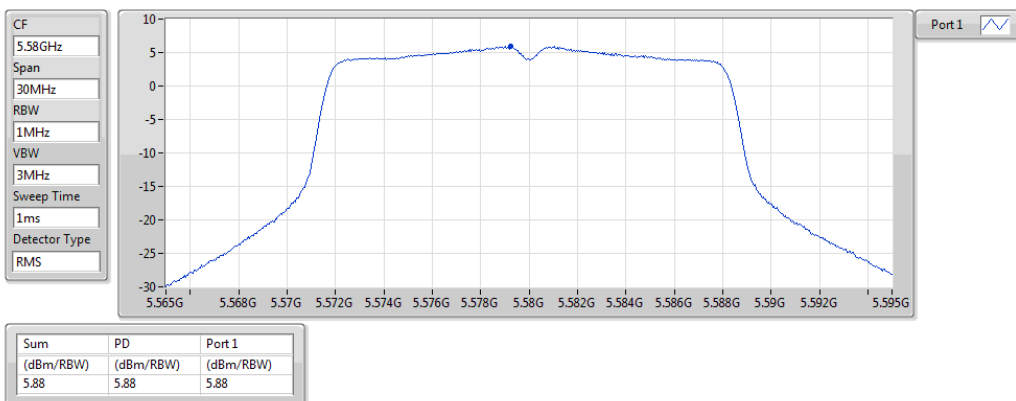
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802.11a_Nss1,(6Mbps)_1TX

PSD

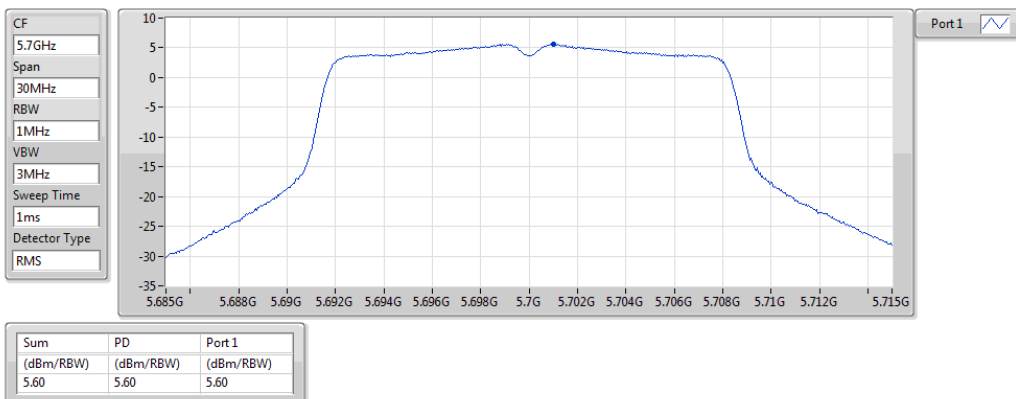
5580MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

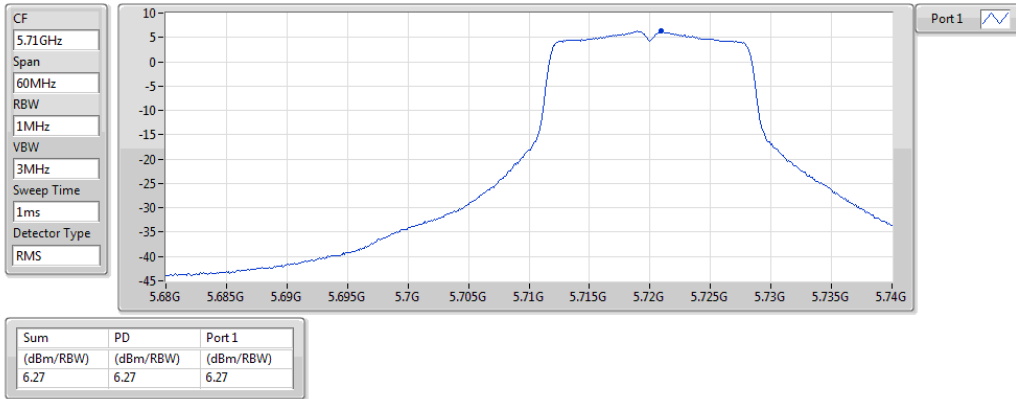
5700MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

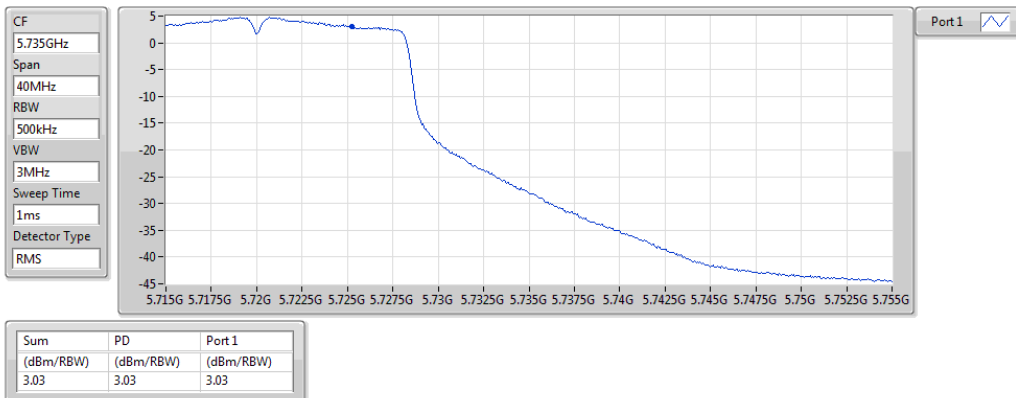
5720MHz Straddle 5.47-5.725GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

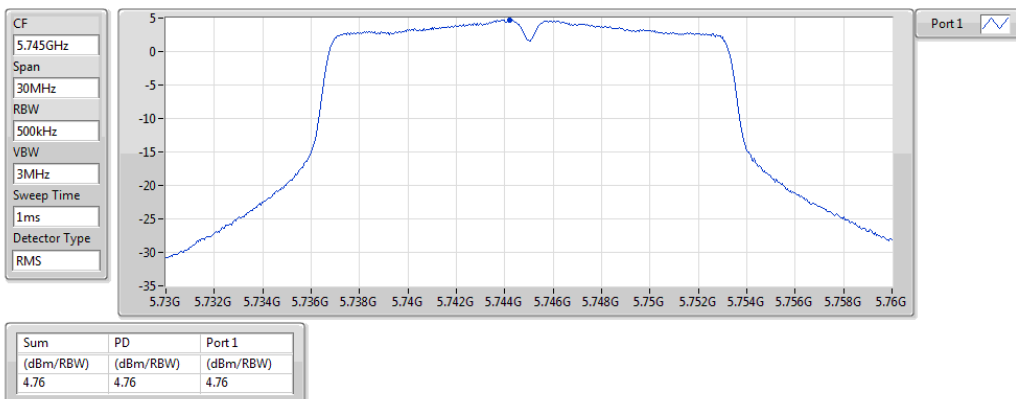
5720MHz Straddle 5.725-5.85GHz



802.11a_Nss1,(6Mbps)_1TX

PSD

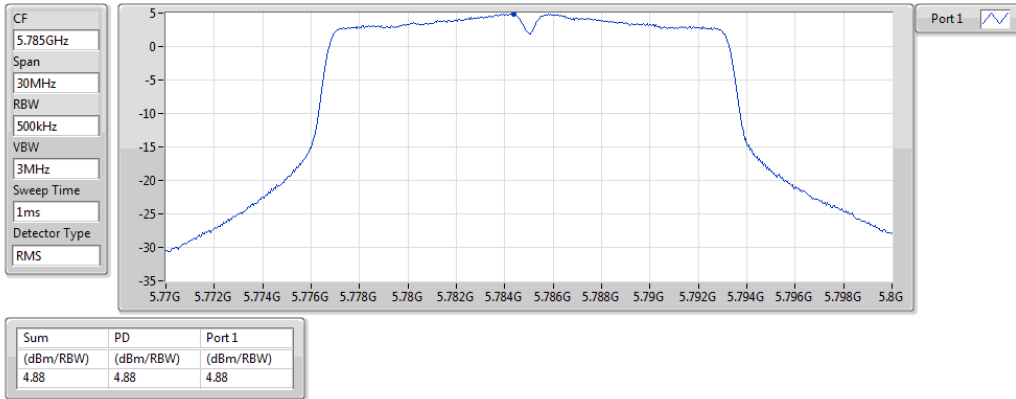
5745MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

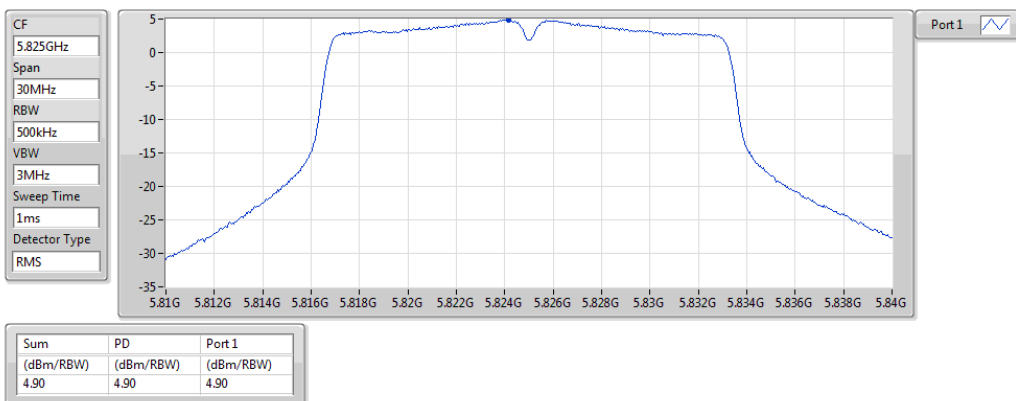
5785MHz



802.11a_Nss1,(6Mbps)_1TX

PSD

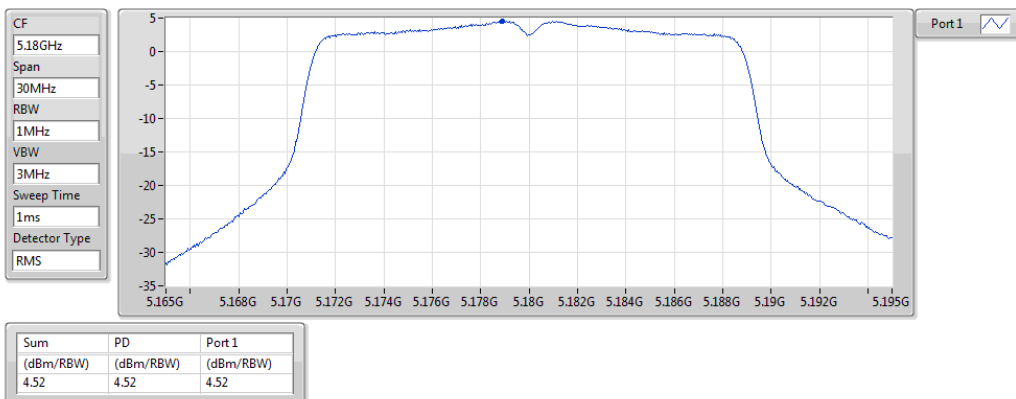
5825MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

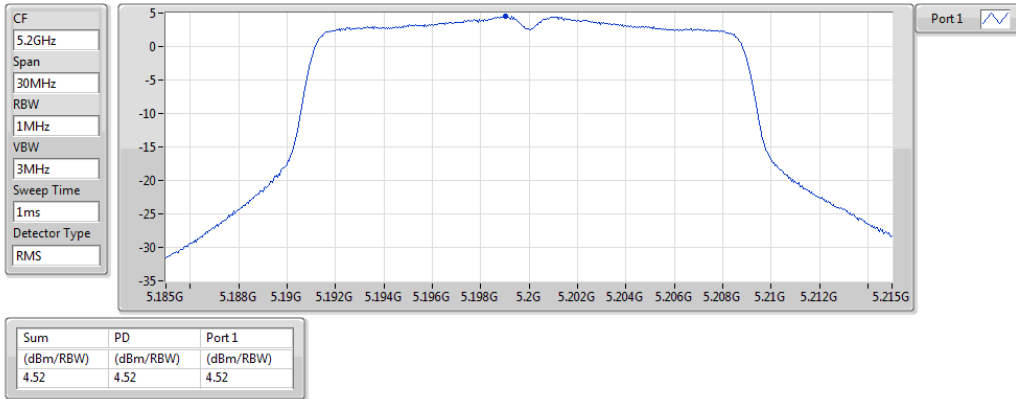
5180MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

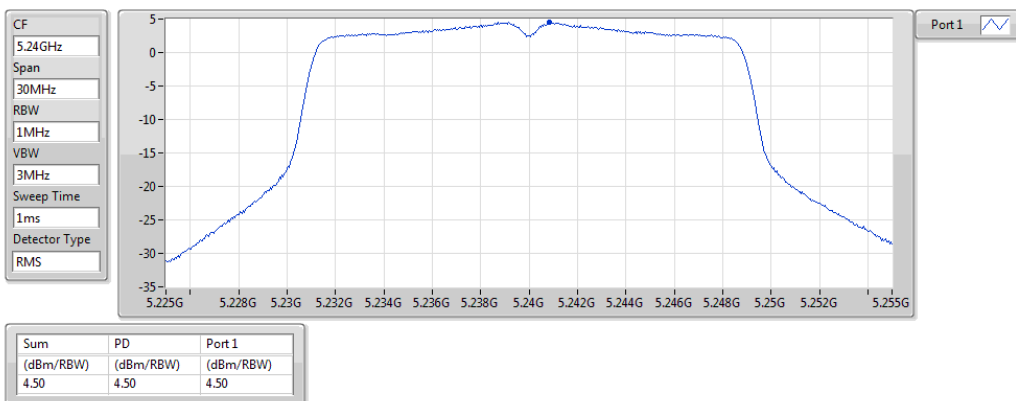
5200MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

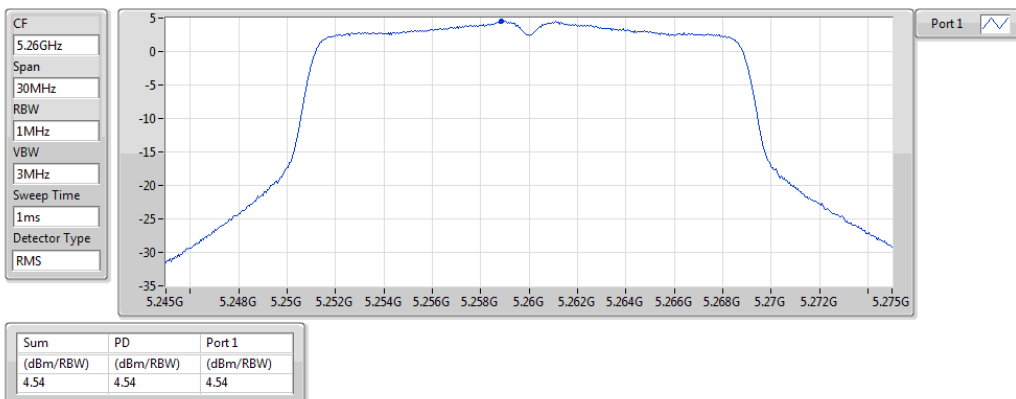
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802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

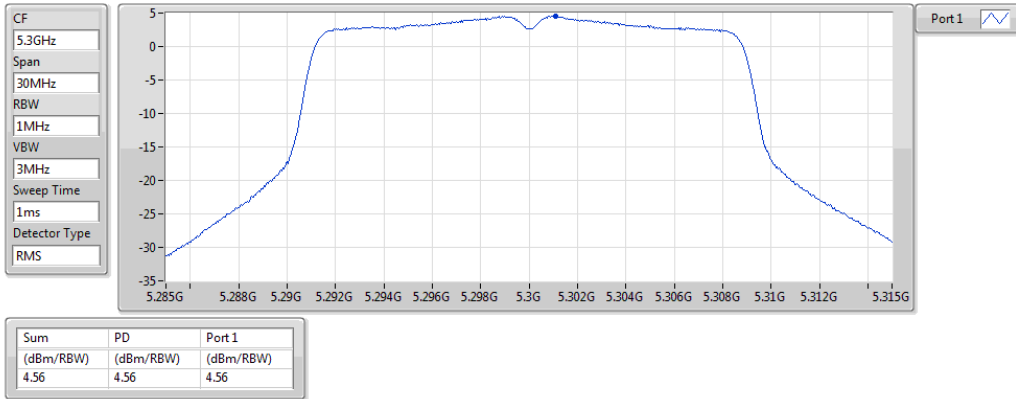
5260MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

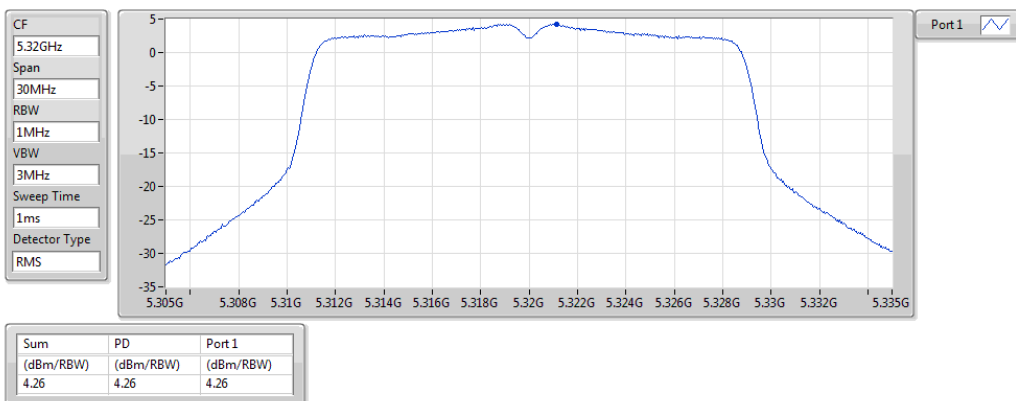
5300MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

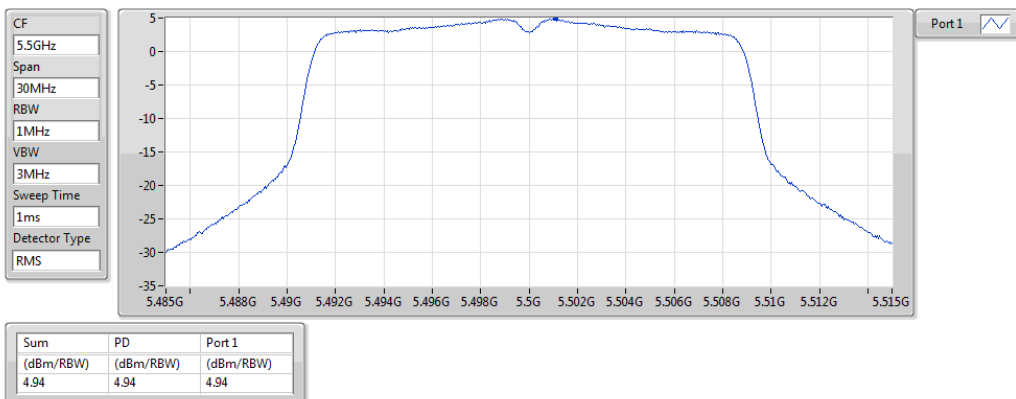
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802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

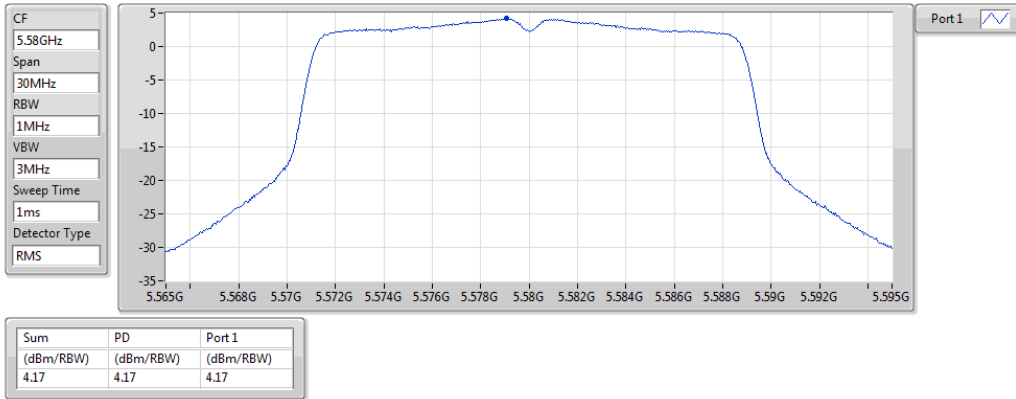
5500MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

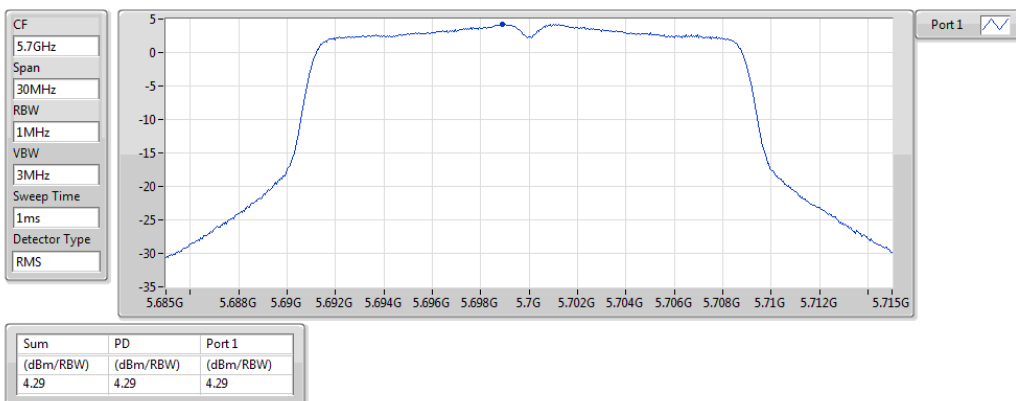
5580MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

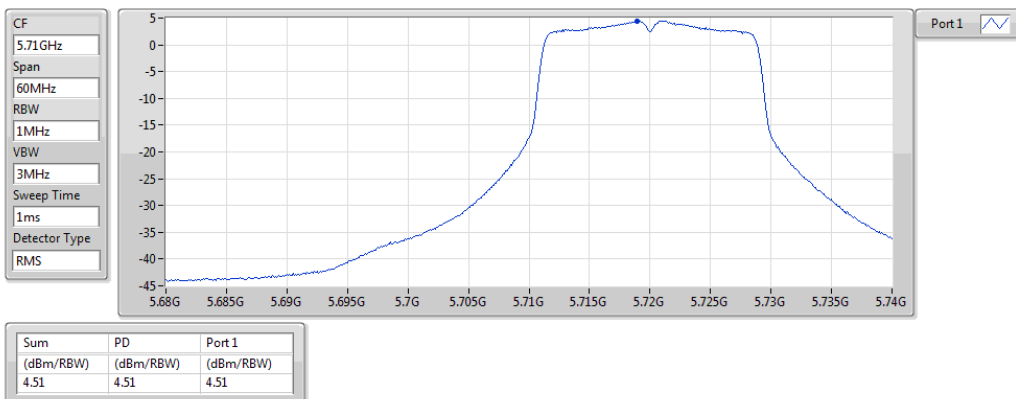
5700MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

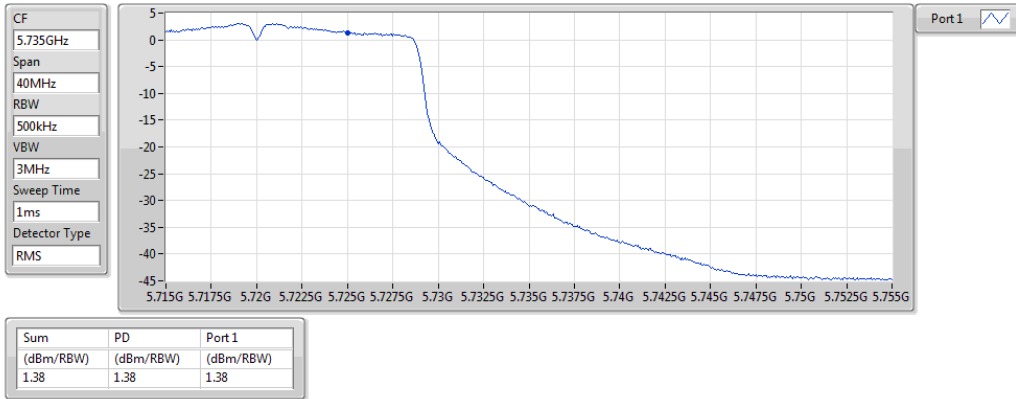
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

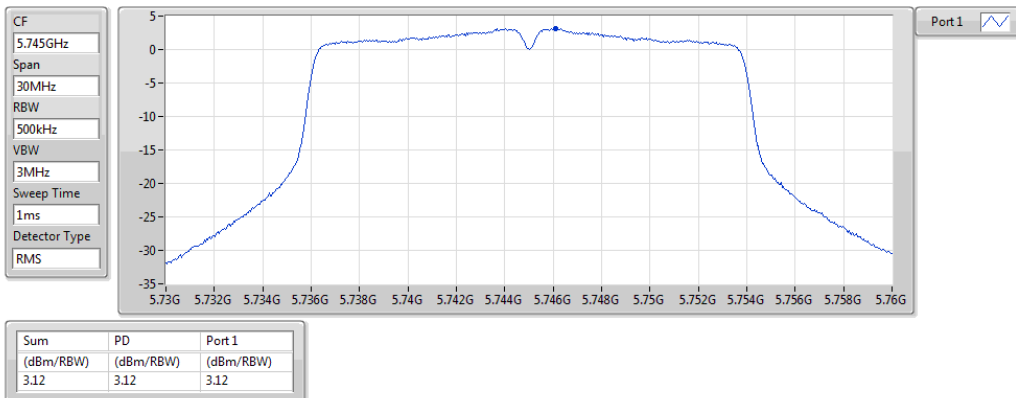
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

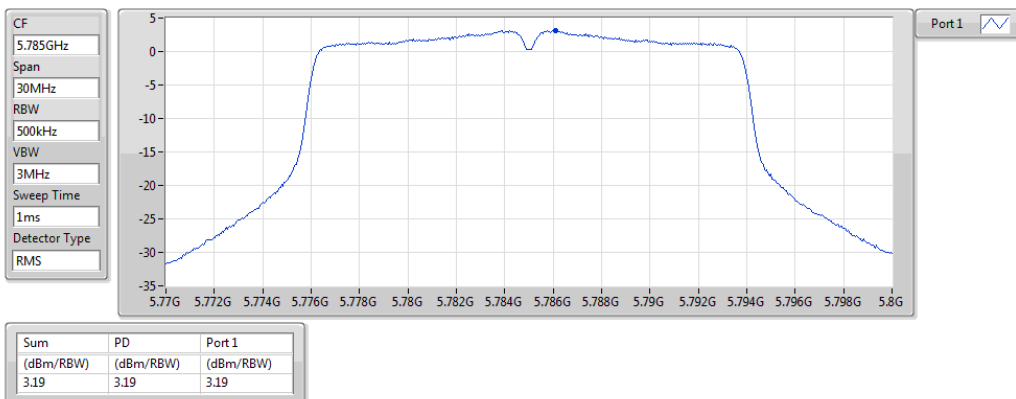
5745MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

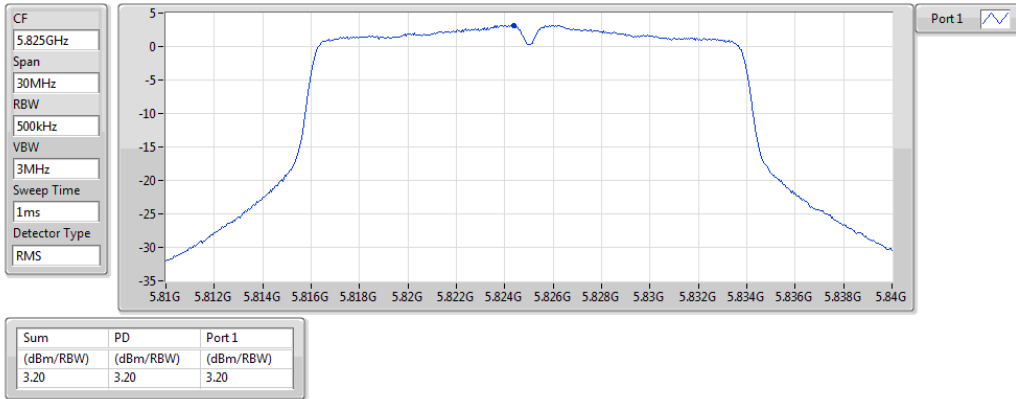
5785MHz



802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

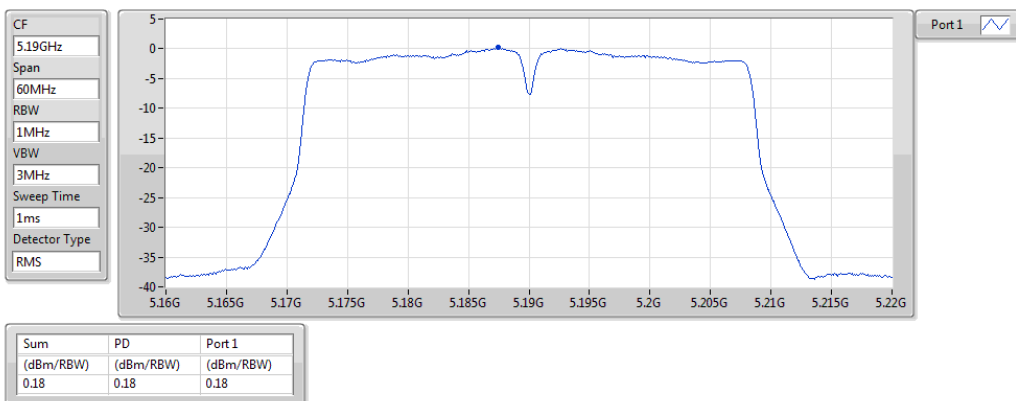
5825MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

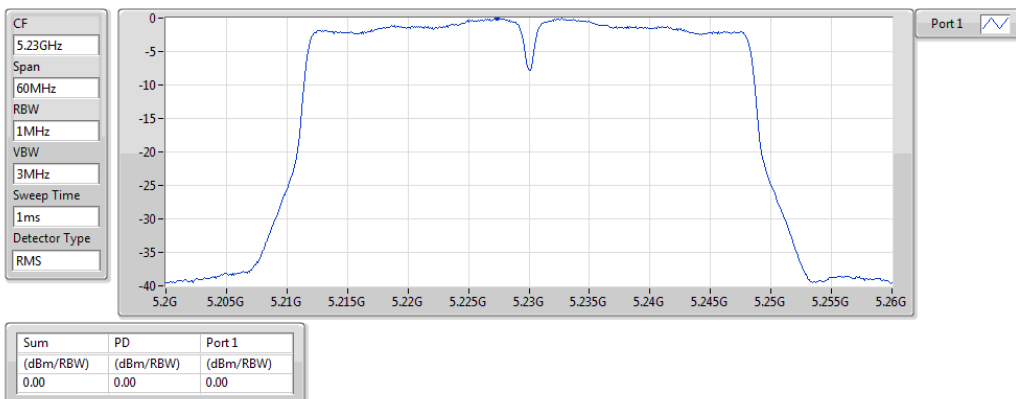
5190MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

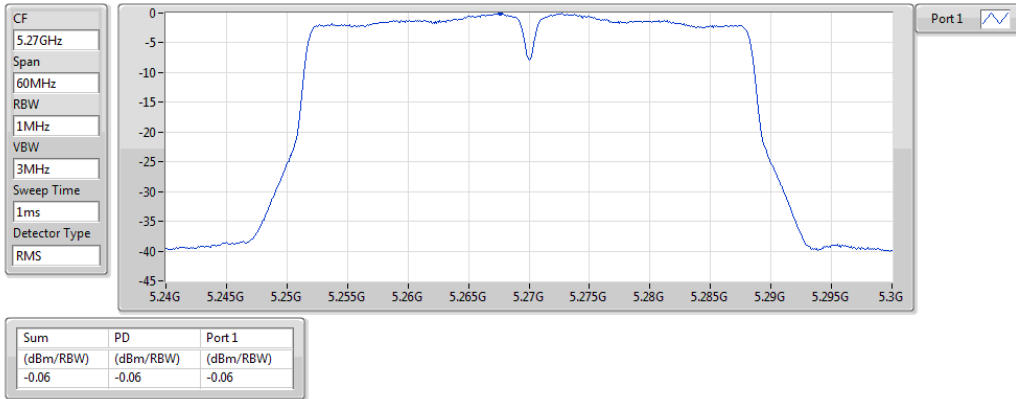
5230MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

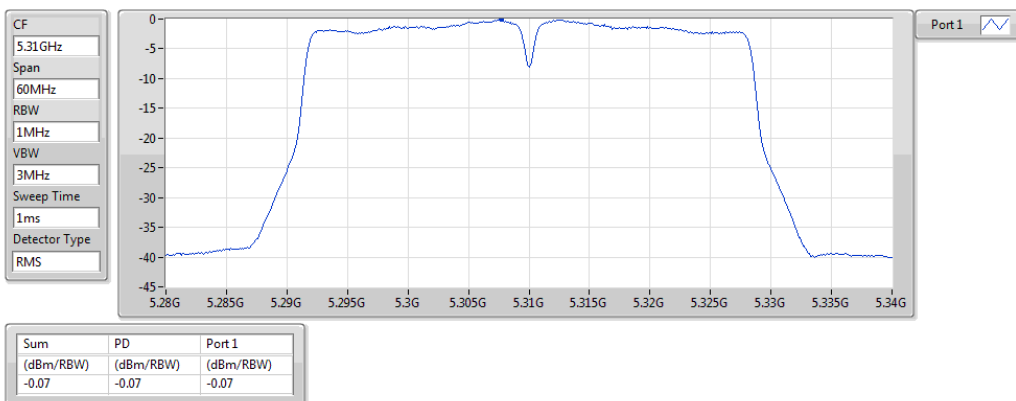
5270MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

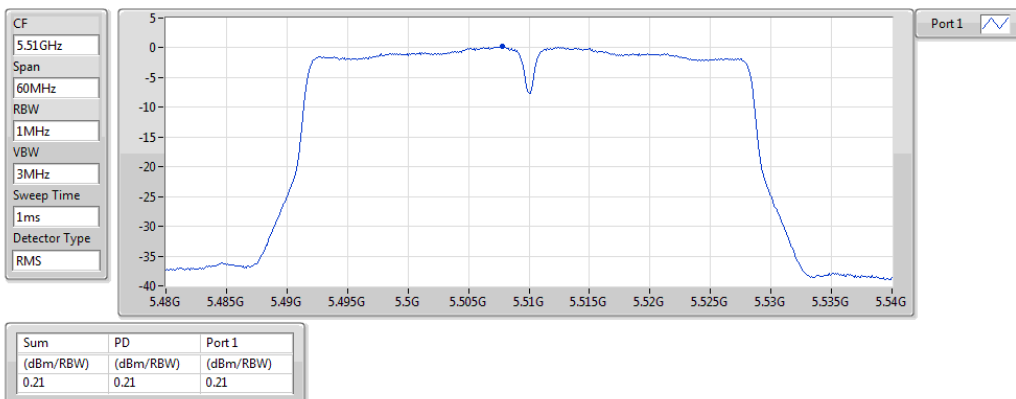
5310MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

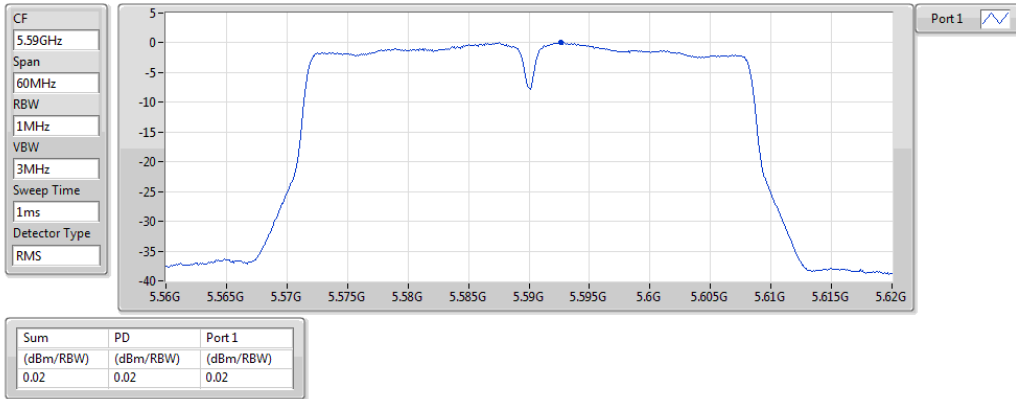
5510MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

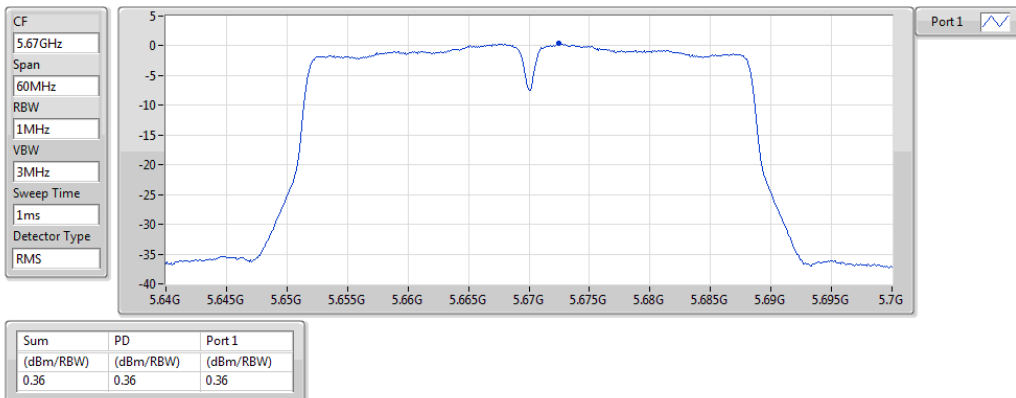
5590MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

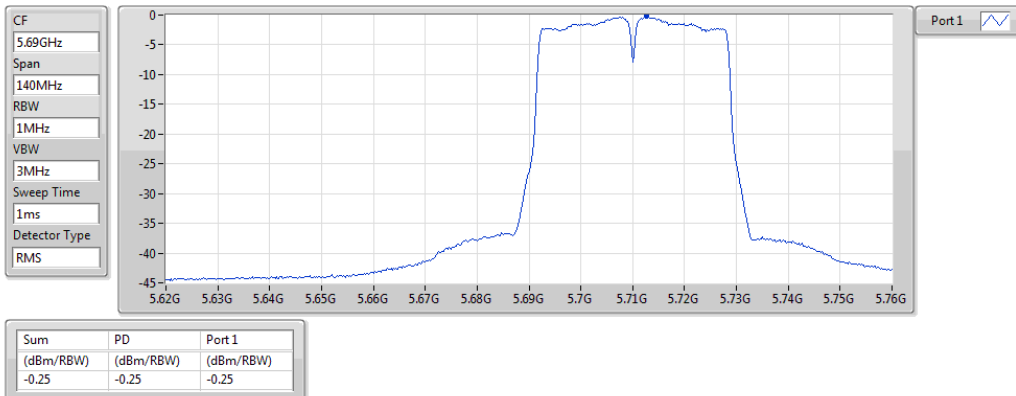
5670MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

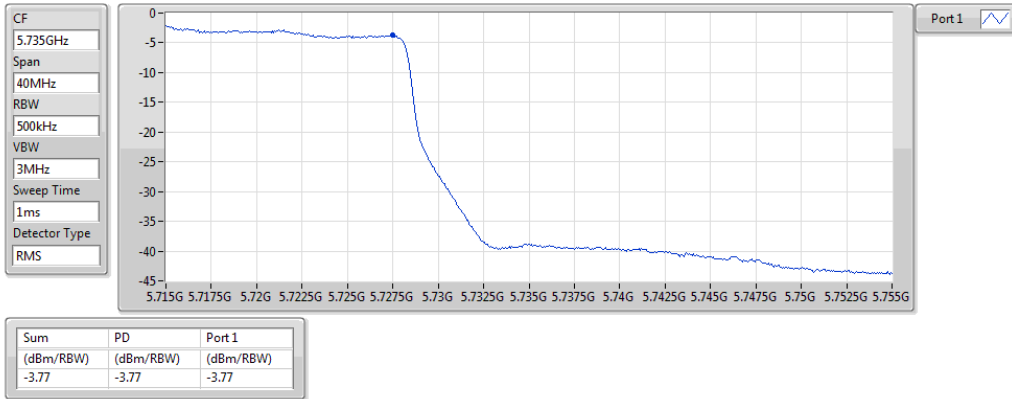
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

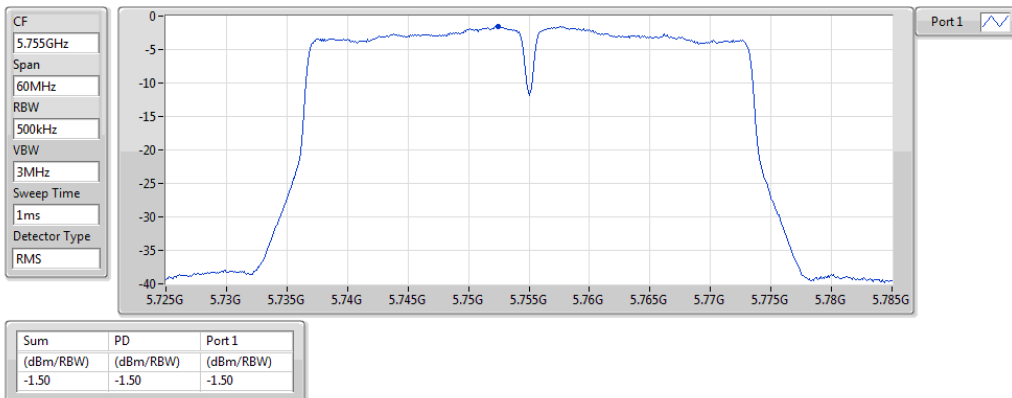
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

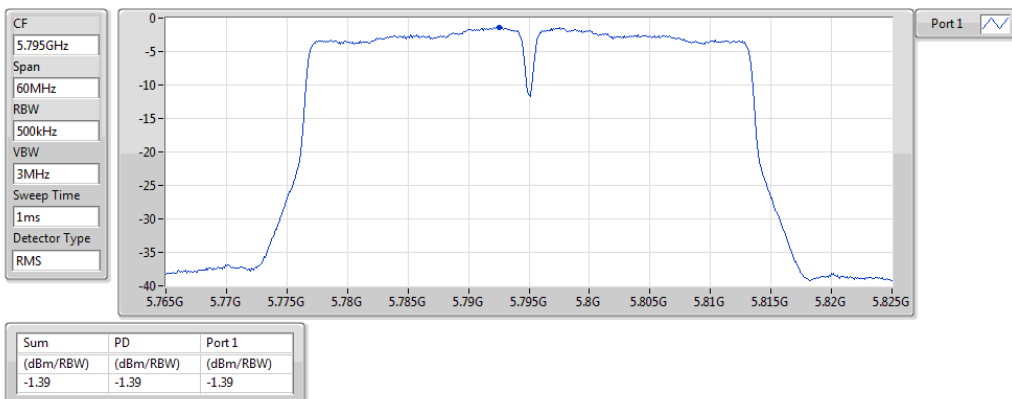
5755MHz



802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

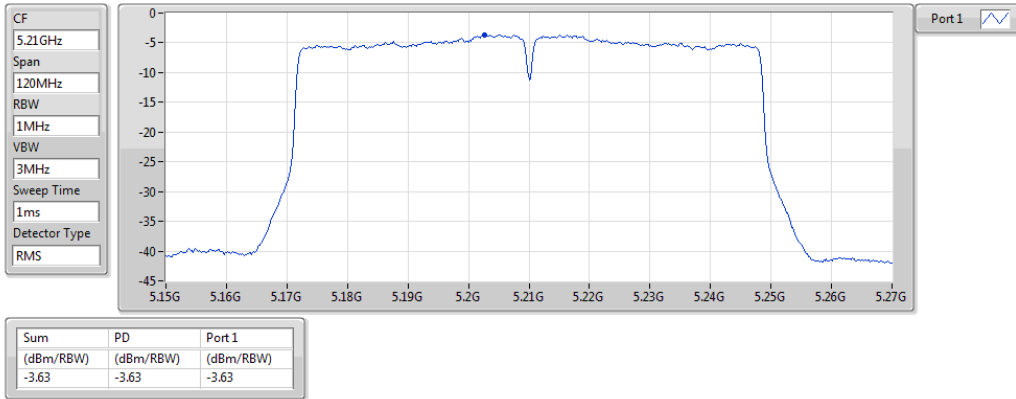
5795MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

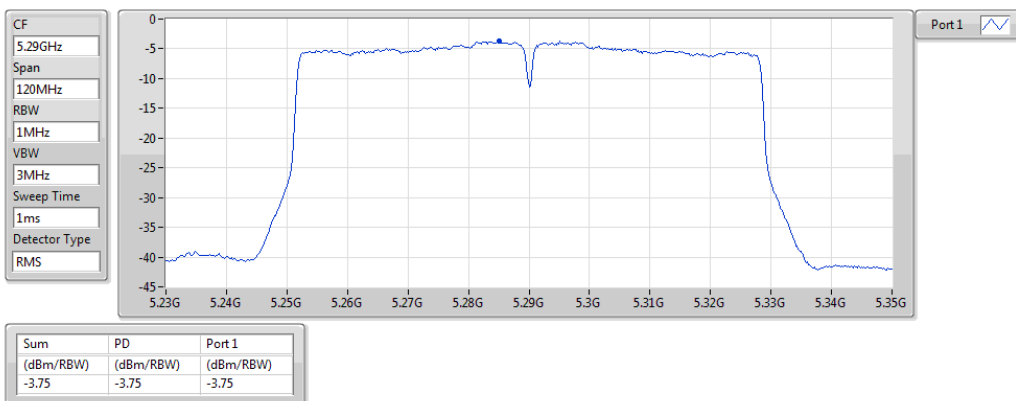
5210MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

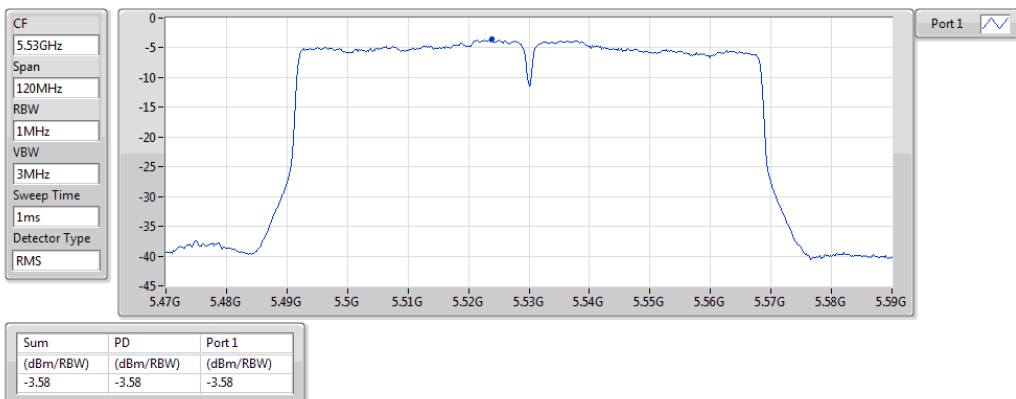
5290MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

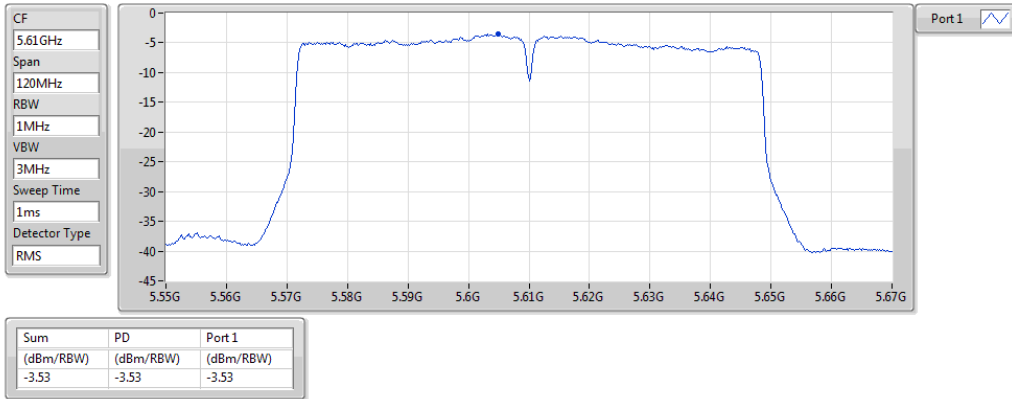
5530MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

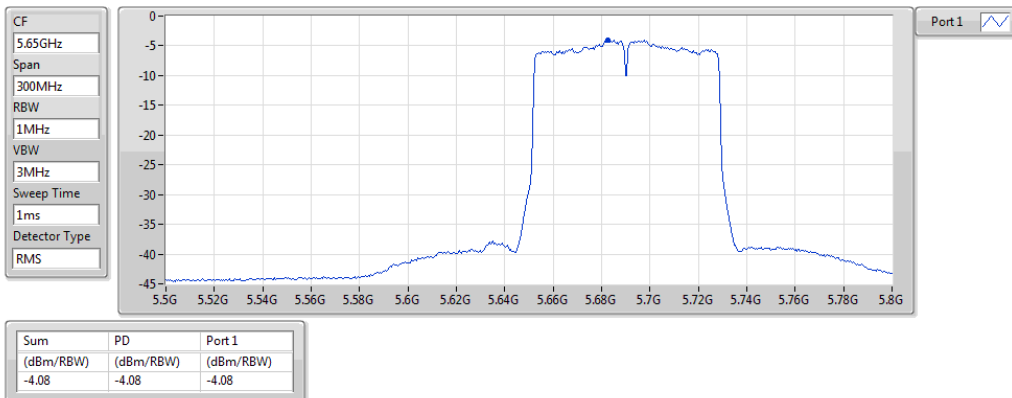
5610MHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

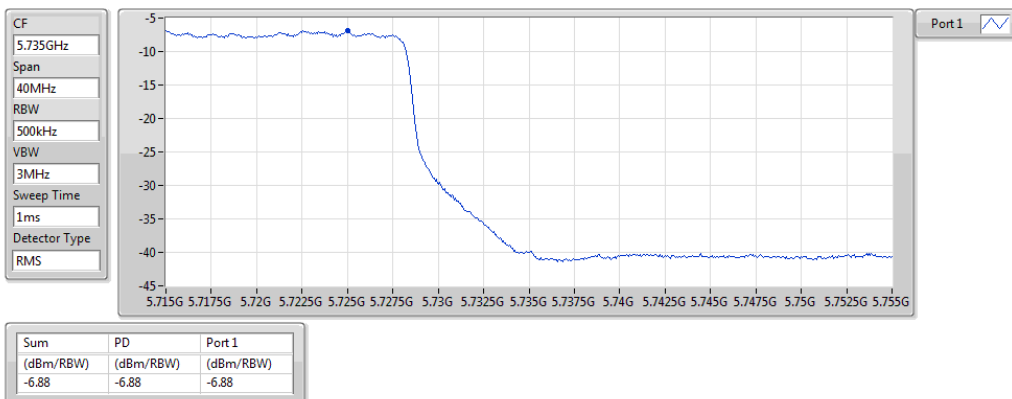
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

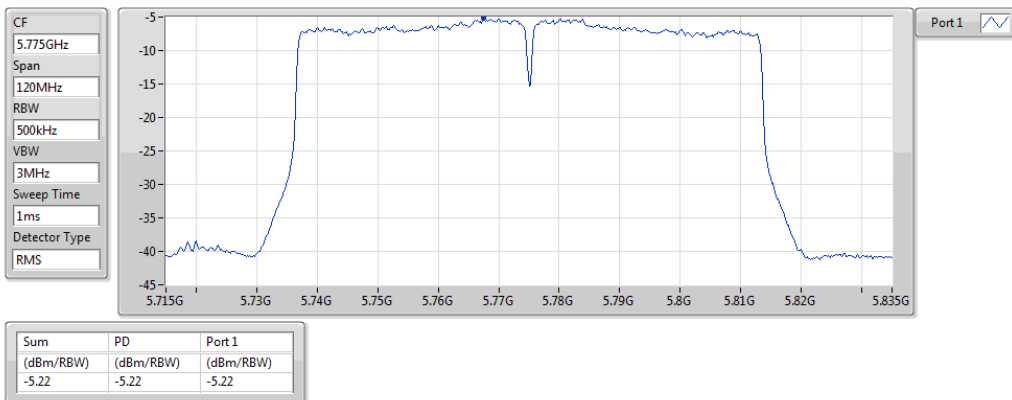
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz



3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge 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).

3.5.2 Test Procedures

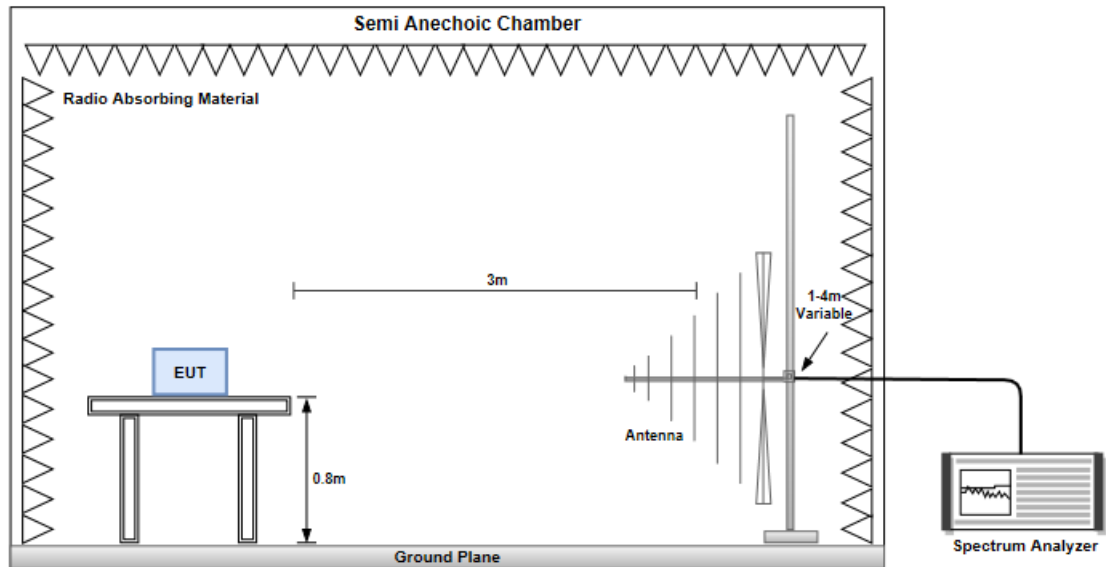
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

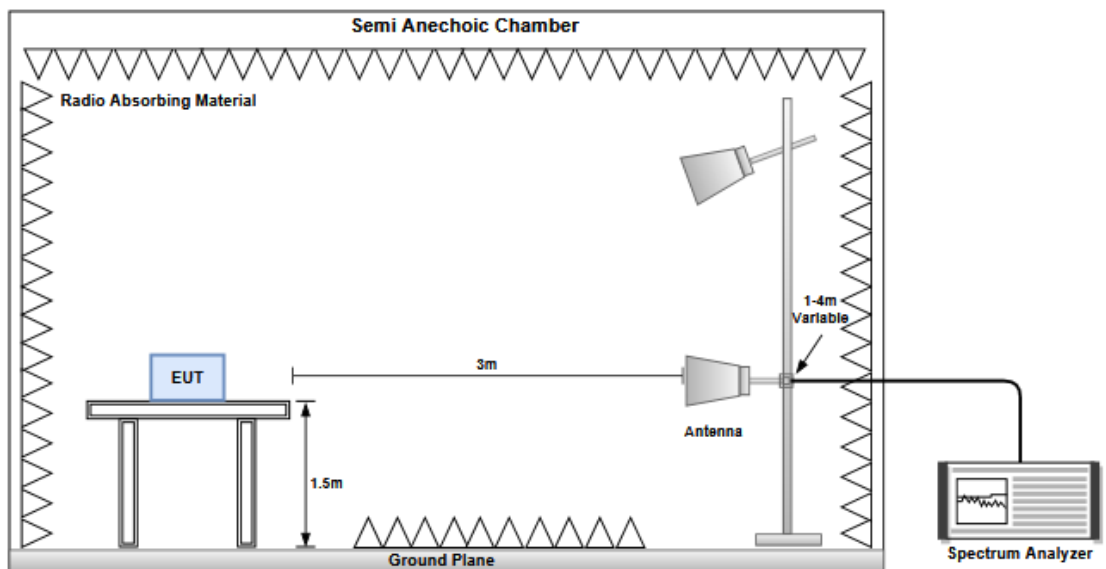
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



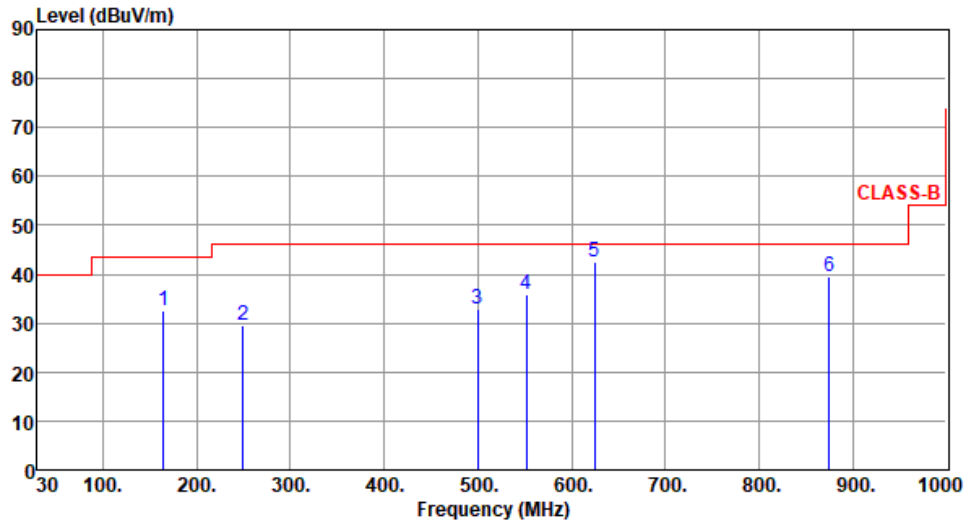
3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5260																																																																						
Polarization	Vertical																																																																								
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																									
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>51.34</td><td>32.21</td><td>40.00</td><td>-7.79</td><td>40.99</td><td>-8.78</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>124.09</td><td>33.27</td><td>43.50</td><td>-10.23</td><td>43.56</td><td>-10.29</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>161.92</td><td>31.09</td><td>43.50</td><td>-12.41</td><td>39.78</td><td>-8.69</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>499.48</td><td>33.16</td><td>46.00</td><td>-12.84</td><td>36.46</td><td>-3.30</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>624.61</td><td>41.04</td><td>46.00</td><td>-4.96</td><td>41.51</td><td>-0.47</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>746.83</td><td>35.55</td><td>46.00</td><td>-10.45</td><td>34.02</td><td>1.53</td><td>Peak</td><td>---</td><td>---</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	51.34	32.21	40.00	-7.79	40.99	-8.78	Peak	---	---	2	124.09	33.27	43.50	-10.23	43.56	-10.29	Peak	---	---	3	161.92	31.09	43.50	-12.41	39.78	-8.69	Peak	---	---	4	499.48	33.16	46.00	-12.84	36.46	-3.30	Peak	---	---	5	624.61	41.04	46.00	-4.96	41.51	-0.47	Peak	---	---	6	746.83	35.55	46.00	-10.45	34.02	1.53	Peak	---	---
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	51.34	32.21	40.00	-7.79	40.99	-8.78	Peak	---	---																																																																
2	124.09	33.27	43.50	-10.23	43.56	-10.29	Peak	---	---																																																																
3	161.92	31.09	43.50	-12.41	39.78	-8.69	Peak	---	---																																																																
4	499.48	33.16	46.00	-12.84	36.46	-3.30	Peak	---	---																																																																
5	624.61	41.04	46.00	-4.96	41.51	-0.47	Peak	---	---																																																																
6	746.83	35.55	46.00	-10.45	34.02	1.53	Peak	---	---																																																																
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *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)	5825
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):23 Humidity(%):65



	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	164.95	32.56	43.50	-10.94	41.43	-8.87	Peak	---	---
2	249.55	29.65	46.00	-16.35	39.72	-10.07	Peak	---	---
3	499.89	33.04	46.00	-12.96	36.33	-3.29	Peak	---	---
4	551.91	35.96	46.00	-10.04	38.37	-2.41	Peak	---	---
5	624.88	42.62	46.00	-3.38	43.08	-0.46	Peak	---	---
6	874.95	39.56	46.00	-6.44	36.42	3.14	Peak	---	---

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

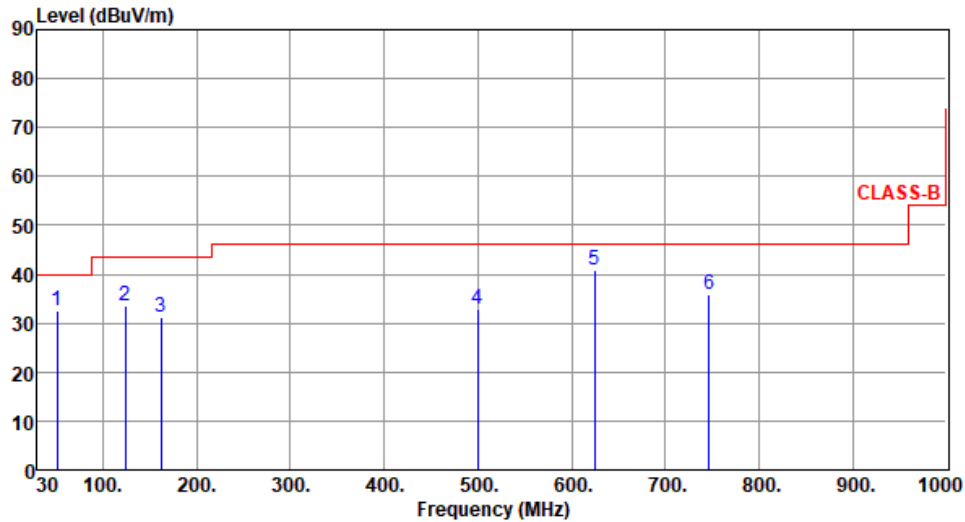
*Factor includes antenna factor , cable loss and amplifier gain

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)	5825
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):23 Humidity(%):65



	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	51.26	32.44	40.00	-7.56	41.22	-8.78	Peak	---	---
2	124.21	33.59	43.50	-9.91	43.88	-10.29	Peak	---	---
3	161.66	31.24	43.50	-12.26	39.95	-8.71	Peak	---	---
4	499.91	33.02	46.00	-12.98	36.31	-3.29	Peak	---	---
5	624.75	40.94	46.00	-5.06	41.40	-0.46	Peak	---	---
6	746.96	35.77	46.00	-10.23	34.23	1.54	Peak	---	---

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

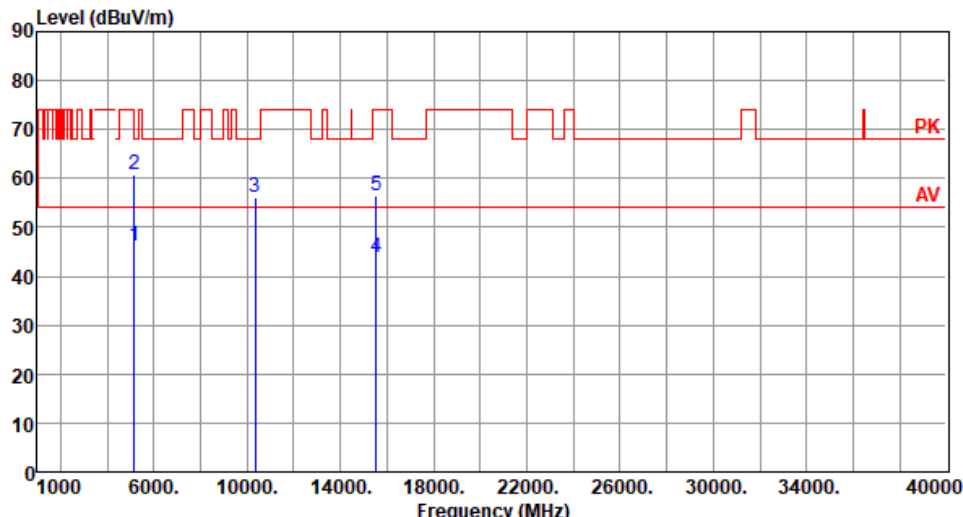
*Factor includes antenna factor , cable loss and amplifier gain

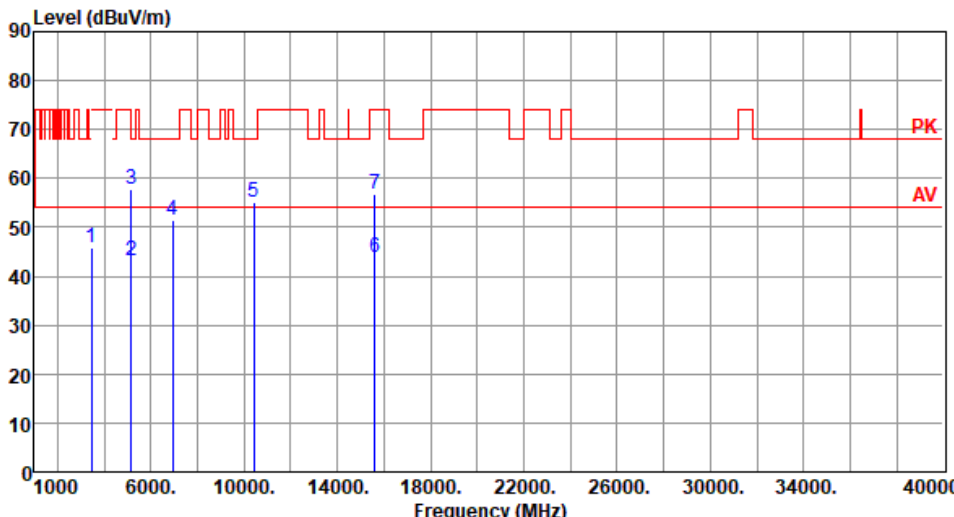
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m) <			

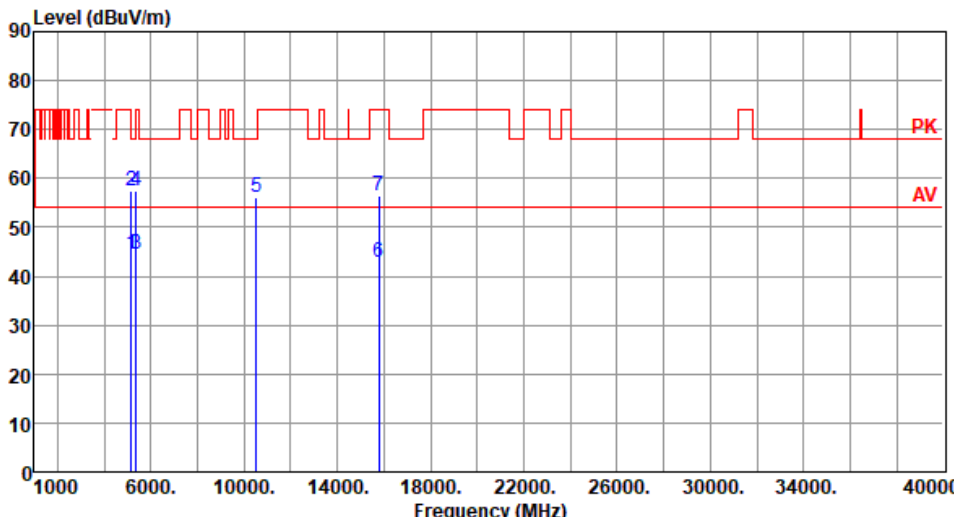
Modulation	11a	Test Freq. (MHz)	5180																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																															
Level (dBuV/m)  <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>46.16</td><td>54.00</td><td>-7.84</td><td>41.95</td><td>4.21</td><td>Average</td><td>100</td><td>1</td></tr><tr><td>2</td><td>5150.00</td><td>60.76</td><td>74.00</td><td>-13.24</td><td>56.55</td><td>4.21</td><td>Peak</td><td>100</td><td>1</td></tr><tr><td>3</td><td>10360.00</td><td>56.02</td><td>68.20</td><td>-12.18</td><td>42.03</td><td>13.99</td><td>Peak</td><td>100</td><td>55</td></tr><tr><td>4</td><td>15540.00</td><td>43.83</td><td>54.00</td><td>-10.17</td><td>29.65</td><td>14.18</td><td>Average</td><td>100</td><td>20</td></tr><tr><td>5</td><td>15540.00</td><td>56.34</td><td>74.00</td><td>-17.66</td><td>42.16</td><td>14.18</td><td>Peak</td><td>100</td><td>20</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	46.16	54.00	-7.84	41.95	4.21	Average	100	1	2	5150.00	60.76	74.00	-13.24	56.55	4.21	Peak	100	1	3	10360.00	56.02	68.20	-12.18	42.03	13.99	Peak	100	55	4	15540.00	43.83	54.00	-10.17	29.65	14.18	Average	100	20	5	15540.00	56.34	74.00	-17.66	42.16	14.18	Peak	100	20
	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	46.16	54.00	-7.84	41.95	4.21	Average	100	1																																																						
2	5150.00	60.76	74.00	-13.24	56.55	4.21	Peak	100	1																																																						
3	10360.00	56.02	68.20	-12.18	42.03	13.99	Peak	100	55																																																						
4	15540.00	43.83	54.00	-10.17	29.65	14.18	Average	100	20																																																						
5	15540.00	56.34	74.00	-17.66	42.16	14.18	Peak	100	20																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															

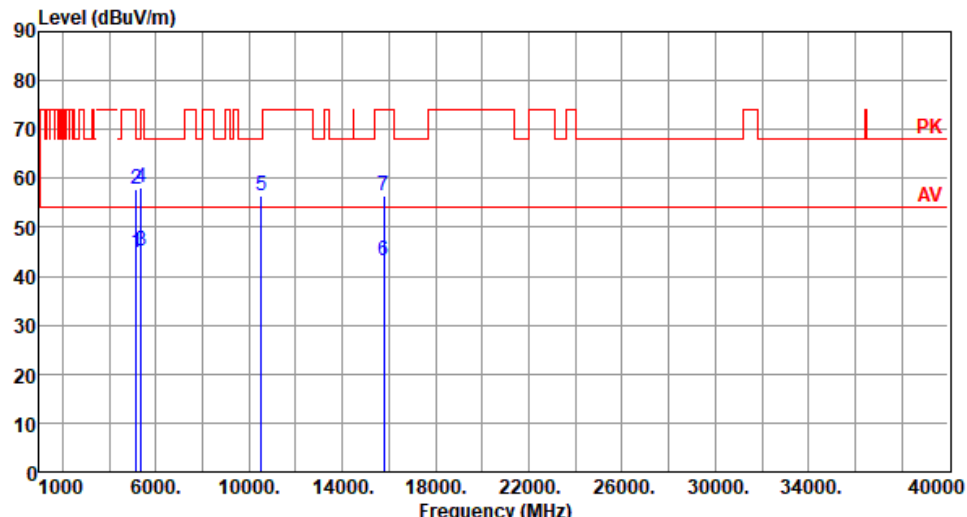
Modulation	11a	Test Freq. (MHz)	5200																																																																																
Polarization	Horizontal																																																																																		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																			
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Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) <			

Modulation	11a	Test Freq. (MHz)	5240																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																			
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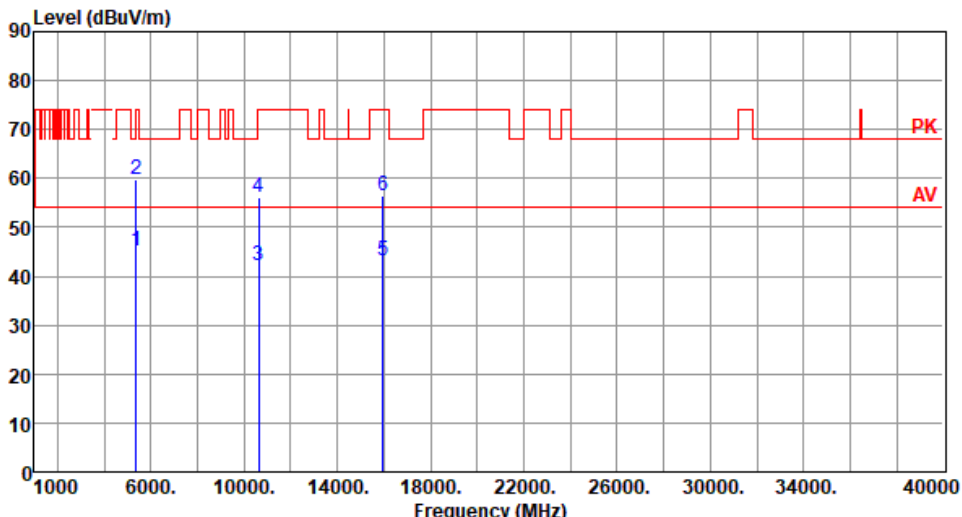
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

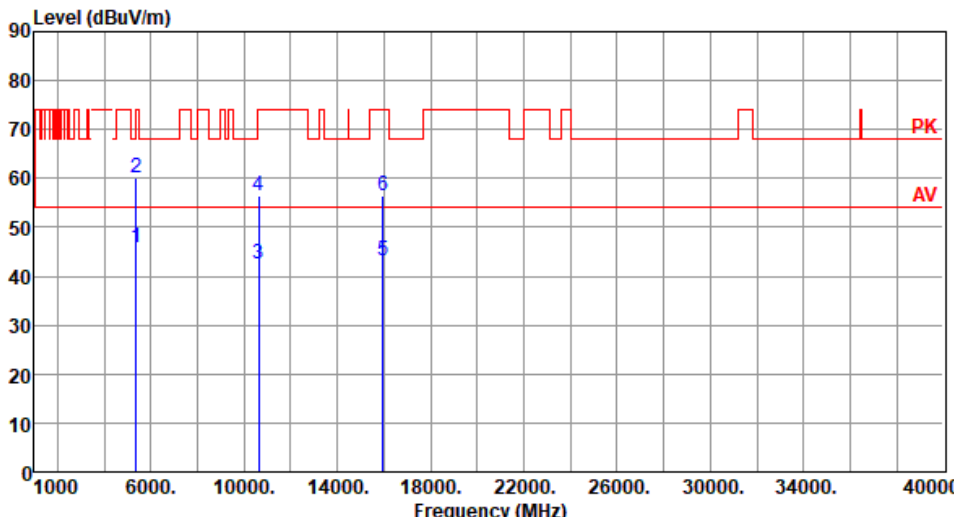
Modulation	11a	Test Freq. (MHz)	5260																																																																																																				
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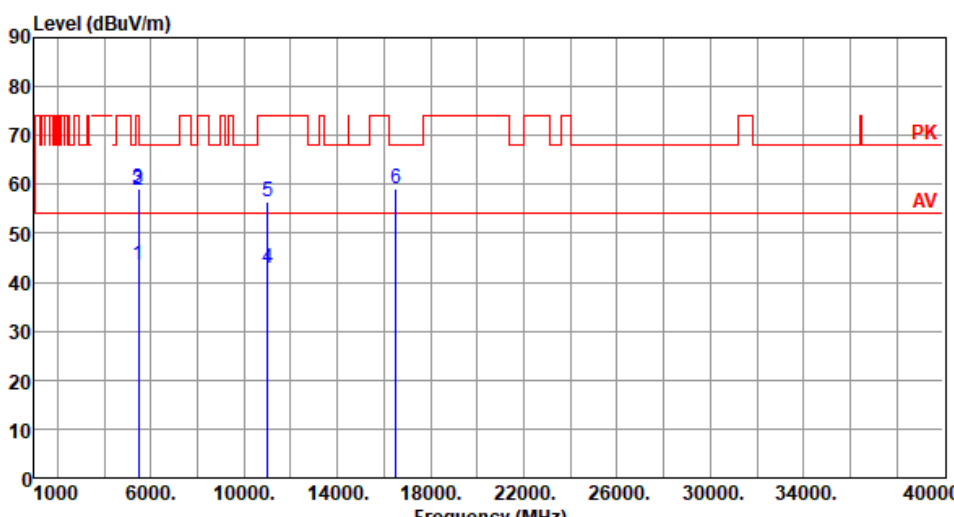
Modulation	11a	Test Freq. (MHz)	5260																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																			
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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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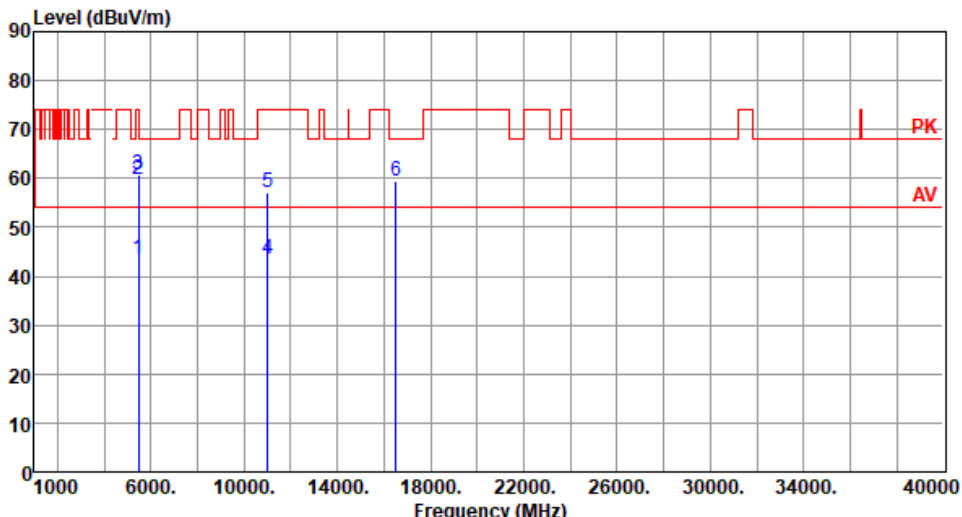
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

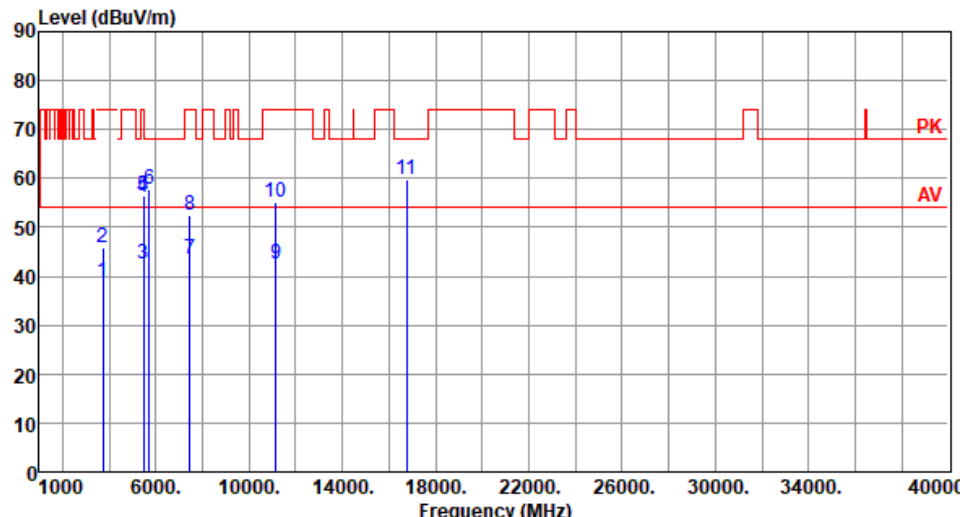
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

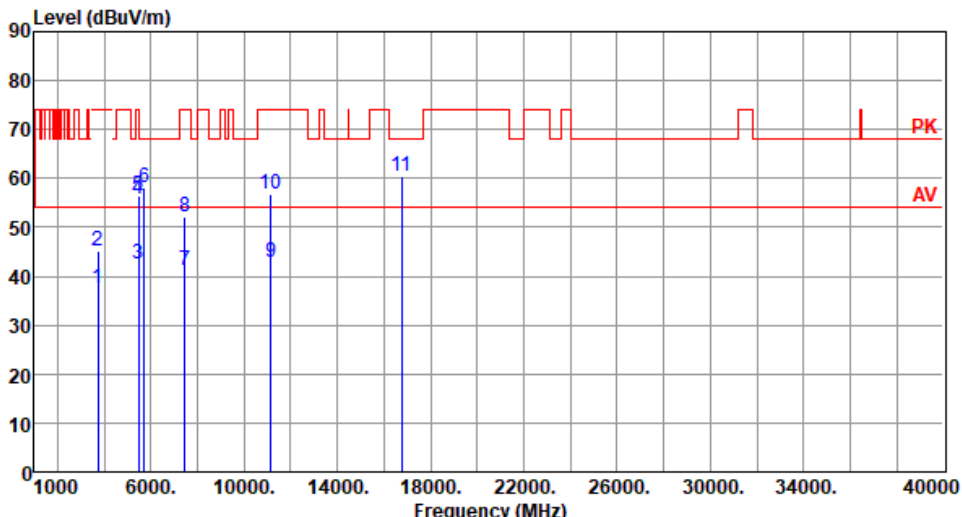
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	<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5350.00</td><td>45.67</td><td>54.00</td><td>-8.33</td><td>41.79</td><td>3.88</td><td>Average</td><td>100</td><td>358</td></tr><tr><td>2</td><td>5350.00</td><td>60.23</td><td>74.00</td><td>-13.77</td><td>56.35</td><td>3.88</td><td>Peak</td><td>100</td><td>358</td></tr><tr><td>3</td><td>10640.00</td><td>42.36</td><td>54.00</td><td>-11.64</td><td>28.32</td><td>14.04</td><td>Average</td><td>100</td><td>20</td></tr><tr><td>4</td><td>10640.00</td><td>56.30</td><td>74.00</td><td>-17.70</td><td>42.26</td><td>14.04</td><td>Peak</td><td>100</td><td>20</td></tr><tr><td>5</td><td>15960.00</td><td>43.17</td><td>54.00</td><td>-10.83</td><td>29.15</td><td>14.02</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>6</td><td>15960.00</td><td>56.61</td><td>74.00</td><td>-17.39</td><td>42.59</td><td>14.02</td><td>Peak</td><td>100</td><td>30</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	45.67	54.00	-8.33	41.79	3.88	Average	100	358	2	5350.00	60.23	74.00	-13.77	56.35	3.88	Peak	100	358	3	10640.00	42.36	54.00	-11.64	28.32	14.04	Average	100	20	4	10640.00	56.30	74.00	-17.70	42.26	14.04	Peak	100	20	5	15960.00	43.17	54.00	-10.83	29.15	14.02	Average	100	30	6	15960.00	56.61	74.00	-17.39	42.59	14.02	Peak	100	30			
	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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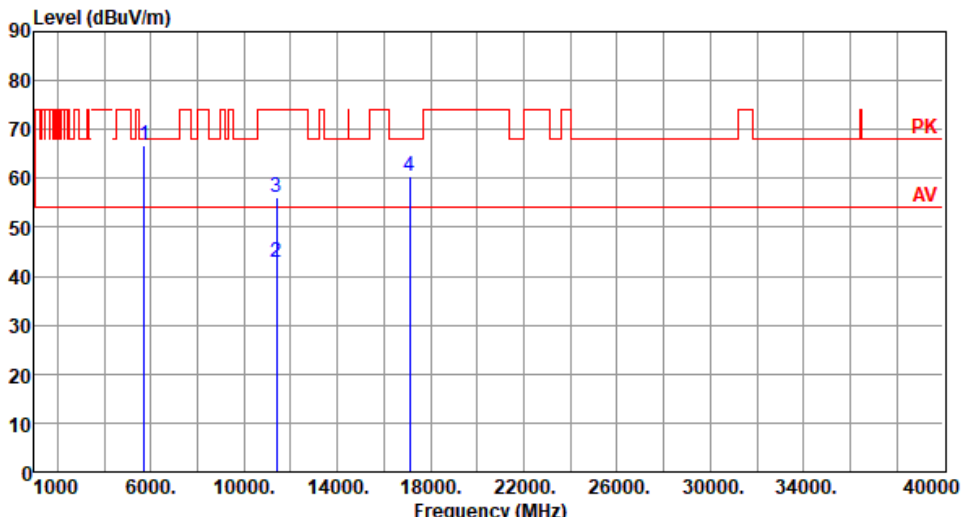
Modulation	11a	Test Freq. (MHz)	5500																																																																						
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	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																				
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3	5460.00	42.41	54.00	-11.59	38.12	4.29	Average	100 348																																																																																																																									
4	5460.00	55.92	74.00	-18.08	51.63	4.29	Peak	100 348																																																																																																																									
5	5470.00	56.46	68.20	-11.74	52.14	4.32	Peak	100 348																																																																																																																									
6	5725.00	58.18	68.20	-10.02	53.38	4.80	Peak	100 348																																																																																																																									
7	7440.00	41.23	54.00	-12.77	32.32	8.91	Average	248 19																																																																																																																									
8	7440.00	51.99	74.00	-22.01	43.08	8.91	Peak	248 19																																																																																																																									
9	11160.00	43.00	54.00	-11.00	29.15	13.85	Average	100 144																																																																																																																									
10	11160.00	56.69	74.00	-17.31	42.84	13.85	Peak	100 144																																																																																																																									
11	16740.00	60.59	68.20	-7.61	43.74	16.85	Peak	100 22																																																																																																																									
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																																																	

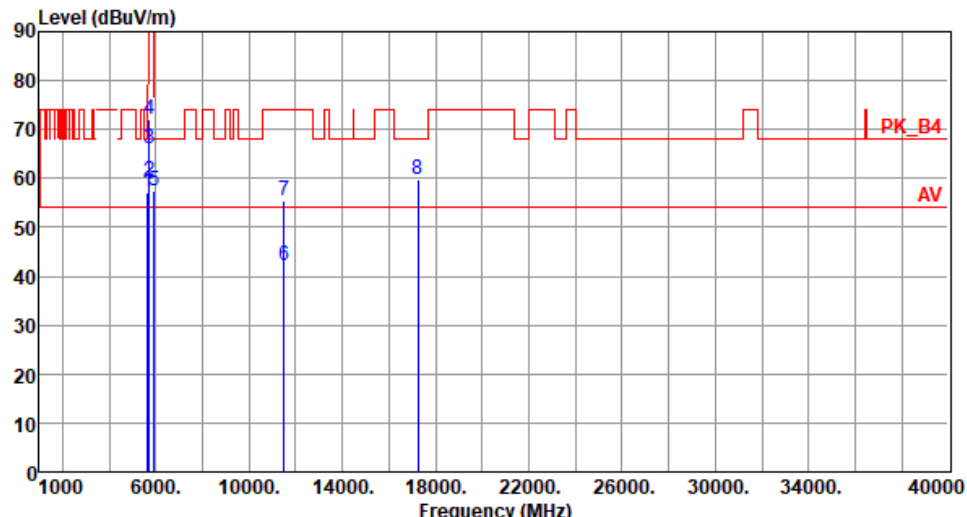
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m) <			

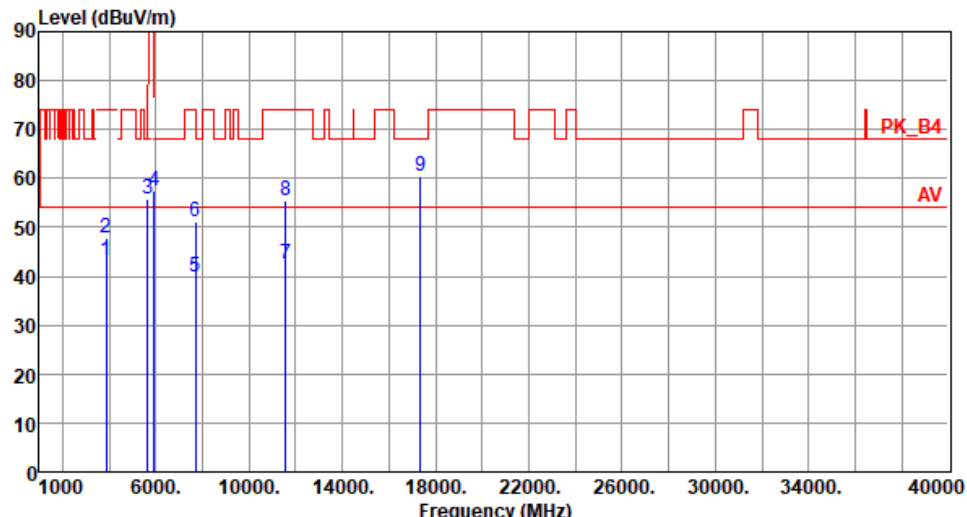
Modulation	11a	Test Freq. (MHz)	5700																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																					
Level (dBuV/m)  <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5725.00</td><td>66.85</td><td>68.20</td><td>-1.35</td><td>62.05</td><td>4.80</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>2</td><td>11400.00</td><td>42.90</td><td>54.00</td><td>-11.10</td><td>28.86</td><td>14.04</td><td>Average</td><td>100</td><td>60</td></tr><tr><td>3</td><td>11400.00</td><td>56.20</td><td>74.00</td><td>-17.80</td><td>42.16</td><td>14.04</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>4</td><td>17100.00</td><td>60.41</td><td>68.20</td><td>-7.79</td><td>43.34</td><td>17.07</td><td>Peak</td><td>100</td><td>55</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	66.85	68.20	-1.35	62.05	4.80	Peak	100	352	2	11400.00	42.90	54.00	-11.10	28.86	14.04	Average	100	60	3	11400.00	56.20	74.00	-17.80	42.16	14.04	Peak	100	60	4	17100.00	60.41	68.20	-7.79	43.34	17.07	Peak	100	55
	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	66.85	68.20	-1.35	62.05	4.80	Peak	100	352																																												
2	11400.00	42.90	54.00	-11.10	28.86	14.04	Average	100	60																																												
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4	17100.00	60.41	68.20	-7.79	43.34	17.07	Peak	100	55																																												
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					

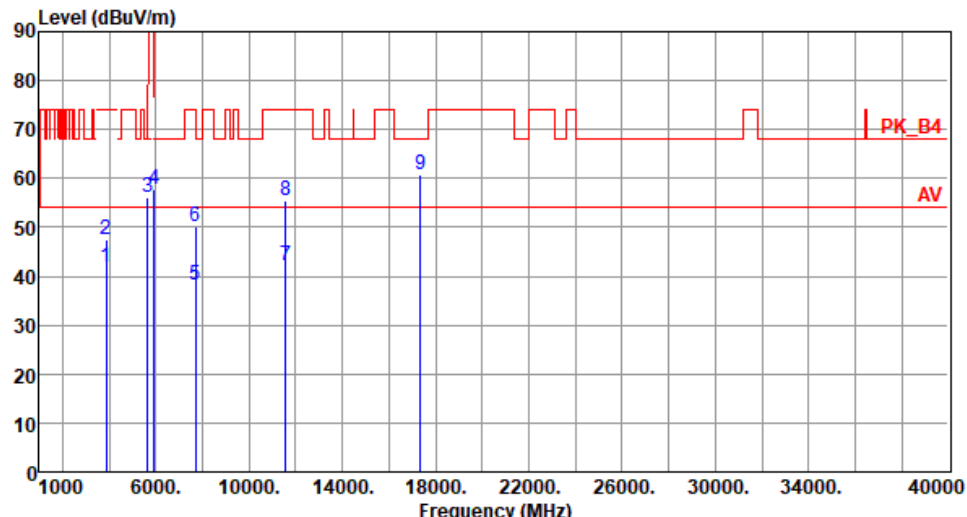
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) <			

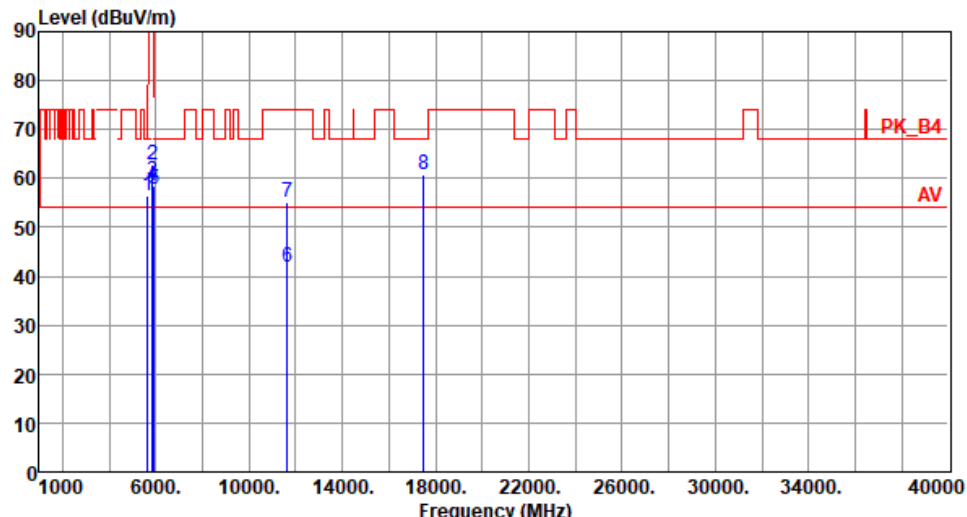
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) <			

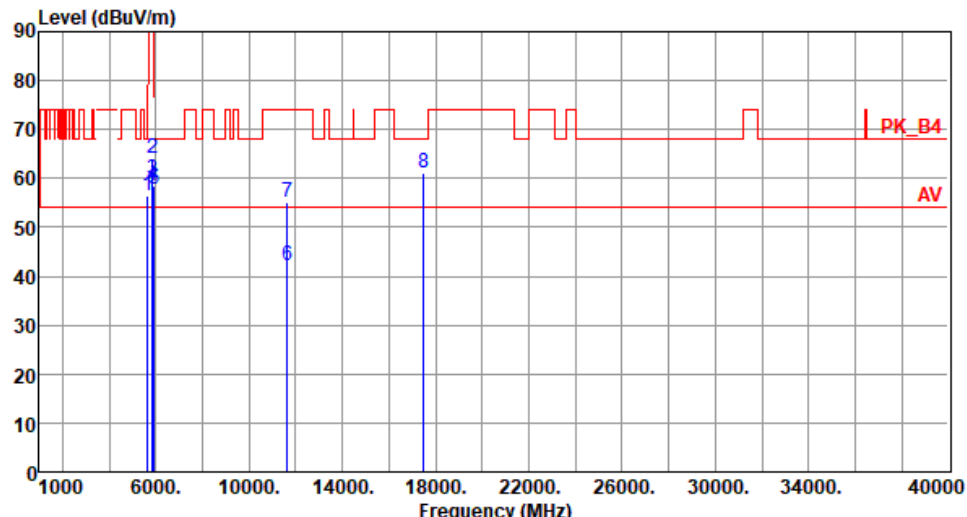
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5745																																																																																										
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Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>56.98</td><td>68.20</td><td>-11.22</td><td>52.56</td><td>4.42</td><td>Peak</td><td>107</td><td>351</td></tr><tr><td>2</td><td>5700.00</td><td>59.33</td><td>105.20</td><td>-45.87</td><td>54.66</td><td>4.67</td><td>Peak</td><td>107</td><td>351</td></tr><tr><td>3</td><td>5720.00</td><td>66.24</td><td>110.80</td><td>-44.56</td><td>61.47</td><td>4.77</td><td>Peak</td><td>107</td><td>351</td></tr><tr><td>4</td><td>5725.00</td><td>72.20</td><td>122.20</td><td>-50.00</td><td>67.40</td><td>4.80</td><td>Peak</td><td>107</td><td>351</td></tr><tr><td>5</td><td>5925.00</td><td>57.57</td><td>68.20</td><td>-10.63</td><td>52.14</td><td>5.43</td><td>Peak</td><td>107</td><td>351</td></tr><tr><td>6</td><td>11490.00</td><td>42.27</td><td>54.00</td><td>-11.73</td><td>28.34</td><td>13.93</td><td>Average</td><td>100</td><td>50</td></tr><tr><td>7</td><td>11490.00</td><td>55.57</td><td>74.00</td><td>-18.43</td><td>41.64</td><td>13.93</td><td>Peak</td><td>100</td><td>50</td></tr><tr><td>8</td><td>17235.00</td><td>59.90</td><td>68.20</td><td>-8.30</td><td>42.58</td><td>17.32</td><td>Peak</td><td>100</td><td>30</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	56.98	68.20	-11.22	52.56	4.42	Peak	107	351	2	5700.00	59.33	105.20	-45.87	54.66	4.67	Peak	107	351	3	5720.00	66.24	110.80	-44.56	61.47	4.77	Peak	107	351	4	5725.00	72.20	122.20	-50.00	67.40	4.80	Peak	107	351	5	5925.00	57.57	68.20	-10.63	52.14	5.43	Peak	107	351	6	11490.00	42.27	54.00	-11.73	28.34	13.93	Average	100	50	7	11490.00	55.57	74.00	-18.43	41.64	13.93	Peak	100	50	8	17235.00	59.90	68.20	-8.30	42.58	17.32	Peak	100	30
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	56.98	68.20	-11.22	52.56	4.42	Peak	107	351																																																																																				
2	5700.00	59.33	105.20	-45.87	54.66	4.67	Peak	107	351																																																																																				
3	5720.00	66.24	110.80	-44.56	61.47	4.77	Peak	107	351																																																																																				
4	5725.00	72.20	122.20	-50.00	67.40	4.80	Peak	107	351																																																																																				
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6	11490.00	42.27	54.00	-11.73	28.34	13.93	Average	100	50																																																																																				
7	11490.00	55.57	74.00	-18.43	41.64	13.93	Peak	100	50																																																																																				
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Modulation	11a	Test Freq. (MHz)	5785																																																																																																																								
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Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																																																											
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	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																																		
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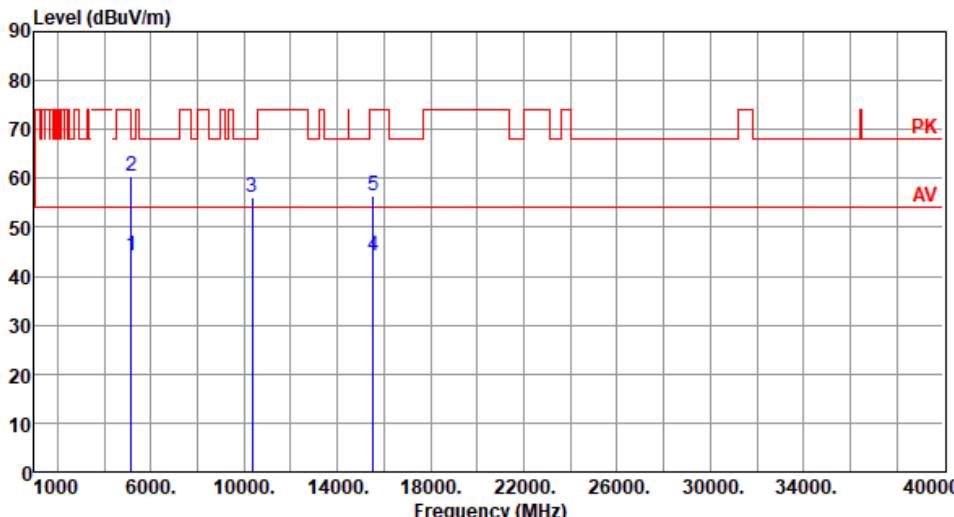
Modulation	11a	Test Freq. (MHz)	5785																																																																																																																								
Polarization	Vertical																																																																																																																										
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Modulation	11a	Test Freq. (MHz)	5825																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																																																	
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5650.00</td><td>56.44</td><td>68.20</td><td>-11.76</td><td>52.02</td><td>4.42</td><td>Peak</td><td>262</td><td>32</td></tr><tr><td>2</td><td>5850.00</td><td>62.65</td><td>122.20</td><td>-59.55</td><td>57.46</td><td>5.19</td><td>Peak</td><td>262</td><td>32</td></tr><tr><td>3</td><td>5855.00</td><td>59.33</td><td>110.80</td><td>-51.47</td><td>54.12</td><td>5.21</td><td>Peak</td><td>262</td><td>32</td></tr><tr><td>4</td><td>5875.00</td><td>58.32</td><td>105.20</td><td>-46.88</td><td>53.02</td><td>5.30</td><td>Peak</td><td>262</td><td>32</td></tr><tr><td>5</td><td>5925.00</td><td>57.64</td><td>68.20</td><td>-10.56</td><td>52.21</td><td>5.43</td><td>Peak</td><td>262</td><td>32</td></tr><tr><td>6</td><td>11650.00</td><td>41.83</td><td>54.00</td><td>-12.17</td><td>28.25</td><td>13.58</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>7</td><td>11650.00</td><td>55.03</td><td>74.00</td><td>-18.97</td><td>41.45</td><td>13.58</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>8</td><td>17475.00</td><td>60.89</td><td>68.20</td><td>-7.31</td><td>42.15</td><td>18.74</td><td>Peak</td><td>100</td><td>60</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5650.00	56.44	68.20	-11.76	52.02	4.42	Peak	262	32	2	5850.00	62.65	122.20	-59.55	57.46	5.19	Peak	262	32	3	5855.00	59.33	110.80	-51.47	54.12	5.21	Peak	262	32	4	5875.00	58.32	105.20	-46.88	53.02	5.30	Peak	262	32	5	5925.00	57.64	68.20	-10.56	52.21	5.43	Peak	262	32	6	11650.00	41.83	54.00	-12.17	28.25	13.58	Average	100	30	7	11650.00	55.03	74.00	-18.97	41.45	13.58	Peak	100	30	8	17475.00	60.89	68.20	-7.31	42.15	18.74	Peak	100	60
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																								
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								cm	deg																																																																																																								
1	5650.00	56.44	68.20	-11.76	52.02	4.42	Peak	262	32																																																																																																								
2	5850.00	62.65	122.20	-59.55	57.46	5.19	Peak	262	32																																																																																																								
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6	11650.00	41.83	54.00	-12.17	28.25	13.58	Average	100	30																																																																																																								
7	11650.00	55.03	74.00	-18.97	41.45	13.58	Peak	100	30																																																																																																								
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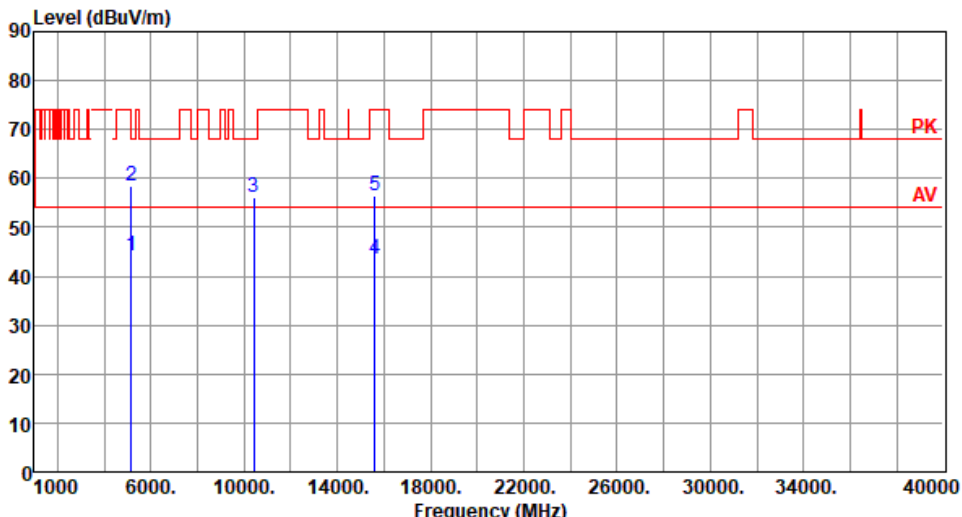
Modulation	11a	Test Freq. (MHz)	5825																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																													
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>56.58</td><td>68.20</td><td>-11.62</td><td>52.16</td><td>4.42</td><td>Peak</td><td>100</td><td>349</td></tr><tr><td>2</td><td>5850.00</td><td>64.12</td><td>122.20</td><td>-58.08</td><td>58.93</td><td>5.19</td><td>Peak</td><td>100</td><td>349</td></tr><tr><td>3</td><td>5855.00</td><td>59.76</td><td>110.80</td><td>-51.04</td><td>54.55</td><td>5.21</td><td>Peak</td><td>100</td><td>349</td></tr><tr><td>4</td><td>5875.00</td><td>58.56</td><td>105.20</td><td>-46.64</td><td>53.26</td><td>5.30</td><td>Peak</td><td>100</td><td>349</td></tr><tr><td>5</td><td>5925.00</td><td>57.88</td><td>68.20</td><td>-10.32</td><td>52.45</td><td>5.43</td><td>Peak</td><td>100</td><td>349</td></tr><tr><td>6</td><td>11650.00</td><td>42.04</td><td>54.00</td><td>-11.96</td><td>28.46</td><td>13.58</td><td>Average</td><td>100</td><td>46</td></tr><tr><td>7</td><td>11650.00</td><td>55.26</td><td>74.00</td><td>-18.74</td><td>41.68</td><td>13.58</td><td>Peak</td><td>100</td><td>46</td></tr><tr><td>8</td><td>17475.00</td><td>61.08</td><td>68.20</td><td>-7.12</td><td>42.34</td><td>18.74</td><td>Peak</td><td>100</td><td>20</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	56.58	68.20	-11.62	52.16	4.42	Peak	100	349	2	5850.00	64.12	122.20	-58.08	58.93	5.19	Peak	100	349	3	5855.00	59.76	110.80	-51.04	54.55	5.21	Peak	100	349	4	5875.00	58.56	105.20	-46.64	53.26	5.30	Peak	100	349	5	5925.00	57.88	68.20	-10.32	52.45	5.43	Peak	100	349	6	11650.00	42.04	54.00	-11.96	28.46	13.58	Average	100	46	7	11650.00	55.26	74.00	-18.74	41.68	13.58	Peak	100	46	8	17475.00	61.08	68.20	-7.12	42.34	18.74	Peak	100	20
	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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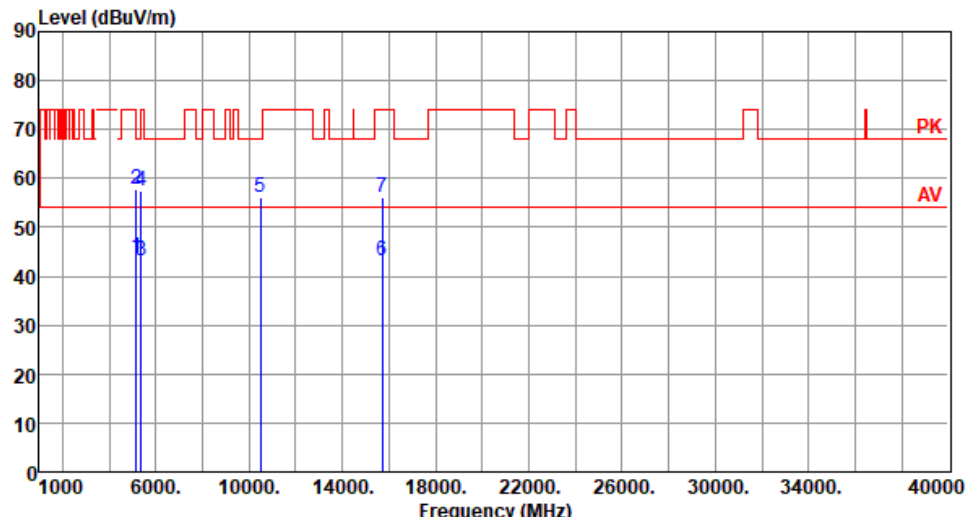
3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

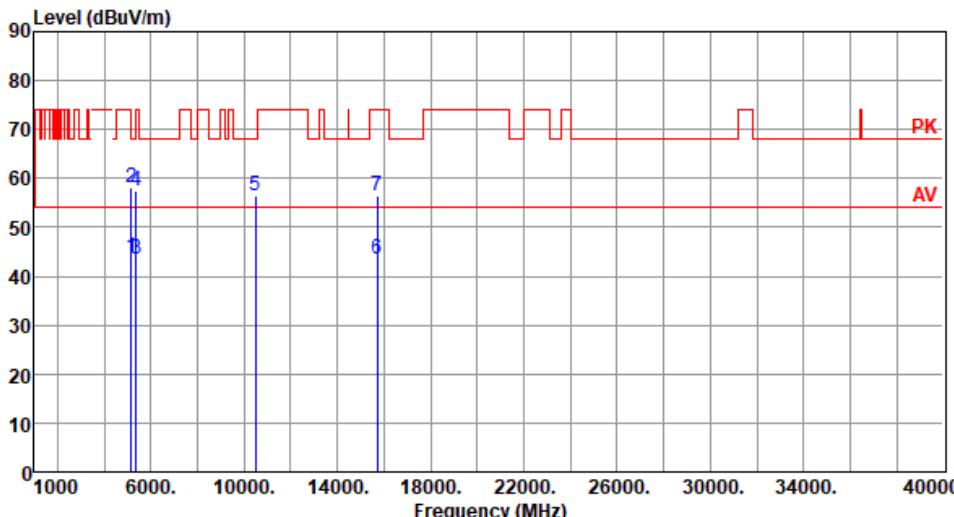
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m)			

Modulation	VHT20	Test Freq. (MHz)	5180																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																															
 <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>44.25</td><td>54.00</td><td>-9.75</td><td>40.04</td><td>4.21</td><td>Average</td><td>100</td><td>1</td></tr><tr><td>2</td><td>5150.00</td><td>60.42</td><td>74.00</td><td>-13.58</td><td>56.21</td><td>4.21</td><td>Peak</td><td>100</td><td>1</td></tr><tr><td>3</td><td>10360.00</td><td>56.26</td><td>68.20</td><td>-11.94</td><td>42.27</td><td>13.99</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>4</td><td>15540.00</td><td>44.33</td><td>54.00</td><td>-9.67</td><td>30.15</td><td>14.18</td><td>Average</td><td>100</td><td>55</td></tr><tr><td>5</td><td>15540.00</td><td>56.56</td><td>74.00</td><td>-17.44</td><td>42.38</td><td>14.18</td><td>Peak</td><td>100</td><td>55</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	44.25	54.00	-9.75	40.04	4.21	Average	100	1	2	5150.00	60.42	74.00	-13.58	56.21	4.21	Peak	100	1	3	10360.00	56.26	68.20	-11.94	42.27	13.99	Peak	100	60	4	15540.00	44.33	54.00	-9.67	30.15	14.18	Average	100	55	5	15540.00	56.56	74.00	-17.44	42.38	14.18	Peak	100	55
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5150.00	44.25	54.00	-9.75	40.04	4.21	Average	100	1																																																						
2	5150.00	60.42	74.00	-13.58	56.21	4.21	Peak	100	1																																																						
3	10360.00	56.26	68.20	-11.94	42.27	13.99	Peak	100	60																																																						
4	15540.00	44.33	54.00	-9.67	30.15	14.18	Average	100	55																																																						
5	15540.00	56.56	74.00	-17.44	42.38	14.18	Peak	100	55																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

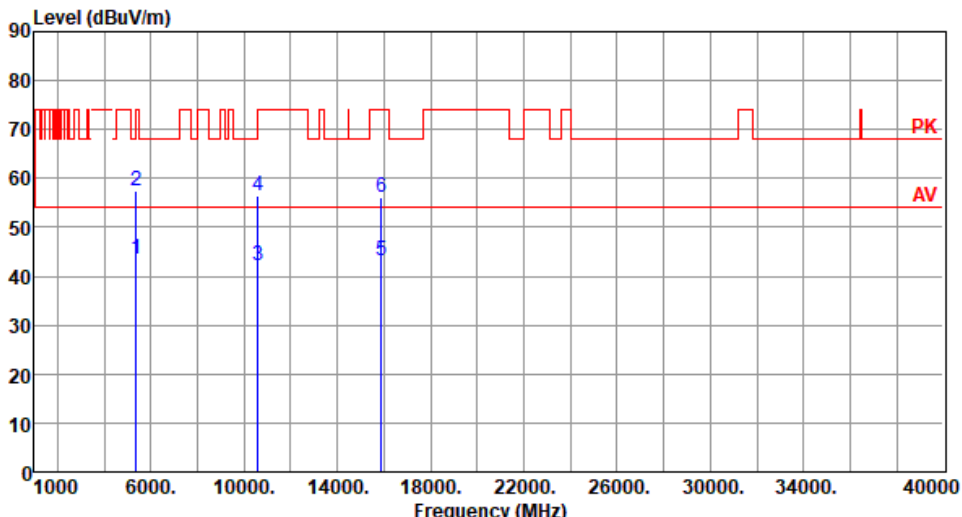
Modulation	VHT20	Test Freq. (MHz)	5200																																																												
Polarization	Vertical																																																														
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																															
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>44.07</td><td>54.00</td><td>-9.93</td><td>39.86</td><td>4.21</td><td>Average</td><td>100</td><td>6</td></tr><tr><td>2</td><td>5150.00</td><td>58.60</td><td>74.00</td><td>-15.40</td><td>54.39</td><td>4.21</td><td>Peak</td><td>100</td><td>6</td></tr><tr><td>3</td><td>10400.00</td><td>56.21</td><td>68.20</td><td>-11.99</td><td>42.15</td><td>14.06</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>4</td><td>15600.00</td><td>43.67</td><td>54.00</td><td>-10.33</td><td>29.58</td><td>14.09</td><td>Average</td><td>100</td><td>4</td></tr><tr><td>5</td><td>15600.00</td><td>56.45</td><td>74.00</td><td>-17.55</td><td>42.36</td><td>14.09</td><td>Peak</td><td>100</td><td>4</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	44.07	54.00	-9.93	39.86	4.21	Average	100	6	2	5150.00	58.60	74.00	-15.40	54.39	4.21	Peak	100	6	3	10400.00	56.21	68.20	-11.99	42.15	14.06	Peak	100	30	4	15600.00	43.67	54.00	-10.33	29.58	14.09	Average	100	4	5	15600.00	56.45	74.00	-17.55	42.36	14.09	Peak	100	4
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5150.00	44.07	54.00	-9.93	39.86	4.21	Average	100	6																																																						
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4	15600.00	43.67	54.00	-10.33	29.58	14.09	Average	100	4																																																						
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															

Modulation	VHT20	Test Freq. (MHz)	5240																																																																																																				
Polarization	Horizontal																																																																																																						
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																																							
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>43.69</td><td>54.00</td><td>-10.31</td><td>39.48</td><td>4.21</td><td>Average</td><td>261</td><td>38</td></tr><tr><td>2</td><td>5150.00</td><td>57.86</td><td>74.00</td><td>-16.14</td><td>53.65</td><td>4.21</td><td>Peak</td><td>261</td><td>38</td></tr><tr><td>3</td><td>5350.00</td><td>43.07</td><td>54.00</td><td>-10.93</td><td>39.19</td><td>3.88</td><td>Average</td><td>261</td><td>38</td></tr><tr><td>4</td><td>5350.00</td><td>57.37</td><td>74.00</td><td>-16.63</td><td>53.49</td><td>3.88</td><td>Peak</td><td>261</td><td>38</td></tr><tr><td>5</td><td>10480.00</td><td>56.22</td><td>68.20</td><td>-11.98</td><td>42.11</td><td>14.11</td><td>Peak</td><td>100</td><td>40</td></tr><tr><td>6</td><td>15720.00</td><td>43.31</td><td>54.00</td><td>-10.69</td><td>29.33</td><td>13.98</td><td>Average</td><td>100</td><td>90</td></tr><tr><td>7</td><td>15720.00</td><td>56.15</td><td>74.00</td><td>-17.85</td><td>42.17</td><td>13.98</td><td>Peak</td><td>100</td><td>90</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	43.69	54.00	-10.31	39.48	4.21	Average	261	38	2	5150.00	57.86	74.00	-16.14	53.65	4.21	Peak	261	38	3	5350.00	43.07	54.00	-10.93	39.19	3.88	Average	261	38	4	5350.00	57.37	74.00	-16.63	53.49	3.88	Peak	261	38	5	10480.00	56.22	68.20	-11.98	42.11	14.11	Peak	100	40	6	15720.00	43.31	54.00	-10.69	29.33	13.98	Average	100	90	7	15720.00	56.15	74.00	-17.85	42.17	13.98	Peak	100	90
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
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Modulation	VHT20	Test Freq. (MHz)	5240																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																																							
Level (dBuV/m)  <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>43.86</td><td>54.00</td><td>-10.14</td><td>39.65</td><td>4.21</td><td>Average</td><td>102</td><td>8</td></tr><tr><td>2</td><td>5150.00</td><td>58.10</td><td>74.00</td><td>-15.90</td><td>53.89</td><td>4.21</td><td>Peak</td><td>102</td><td>8</td></tr><tr><td>3</td><td>5350.00</td><td>43.36</td><td>54.00</td><td>-10.64</td><td>39.48</td><td>3.88</td><td>Average</td><td>102</td><td>8</td></tr><tr><td>4</td><td>5350.00</td><td>57.56</td><td>74.00</td><td>-16.44</td><td>53.68</td><td>3.88</td><td>Peak</td><td>102</td><td>8</td></tr><tr><td>5</td><td>10480.00</td><td>56.37</td><td>68.20</td><td>-11.83</td><td>42.26</td><td>14.11</td><td>Peak</td><td>100</td><td>50</td></tr><tr><td>6</td><td>15720.00</td><td>43.47</td><td>54.00</td><td>-10.53</td><td>29.49</td><td>13.98</td><td>Average</td><td>100</td><td>20</td></tr><tr><td>7</td><td>15720.00</td><td>56.48</td><td>74.00</td><td>-17.52</td><td>42.50</td><td>13.98</td><td>Peak</td><td>100</td><td>20</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	5150.00	43.86	54.00	-10.14	39.65	4.21	Average	102	8	2	5150.00	58.10	74.00	-15.90	53.89	4.21	Peak	102	8	3	5350.00	43.36	54.00	-10.64	39.48	3.88	Average	102	8	4	5350.00	57.56	74.00	-16.44	53.68	3.88	Peak	102	8	5	10480.00	56.37	68.20	-11.83	42.26	14.11	Peak	100	50	6	15720.00	43.47	54.00	-10.53	29.49	13.98	Average	100	20	7	15720.00	56.48	74.00	-17.52	42.50	13.98	Peak	100	20
	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	43.86	54.00	-10.14	39.65	4.21	Average	102	8																																																																																														
2	5150.00	58.10	74.00	-15.90	53.89	4.21	Peak	102	8																																																																																														
3	5350.00	43.36	54.00	-10.64	39.48	3.88	Average	102	8																																																																																														
4	5350.00	57.56	74.00	-16.44	53.68	3.88	Peak	102	8																																																																																														
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																							

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

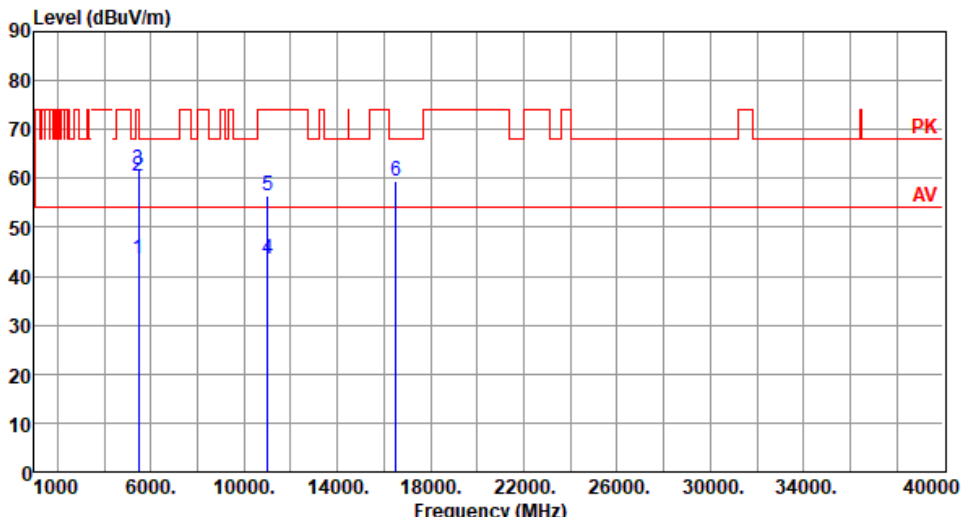
Modulation	VHT20	Test Freq. (MHz)	5300																																																																						
Polarization	Horizontal																																																																								
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																									
Level (dBUV/m)  <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5350.00</td><td>43.46</td><td>54.00</td><td>-10.54</td><td>39.58</td><td>3.88</td><td>Average</td><td>259</td><td>38</td></tr><tr><td>2</td><td>5350.00</td><td>57.55</td><td>74.00</td><td>-16.45</td><td>53.67</td><td>3.88</td><td>Peak</td><td>259</td><td>38</td></tr><tr><td>3</td><td>10600.00</td><td>42.28</td><td>54.00</td><td>-11.72</td><td>28.22</td><td>14.06</td><td>Average</td><td>100</td><td>40</td></tr><tr><td>4</td><td>10600.00</td><td>56.37</td><td>74.00</td><td>-17.63</td><td>42.31</td><td>14.06</td><td>Peak</td><td>100</td><td>40</td></tr><tr><td>5</td><td>15900.00</td><td>43.08</td><td>54.00</td><td>-10.92</td><td>29.15</td><td>13.93</td><td>Average</td><td>100</td><td>90</td></tr><tr><td>6</td><td>15900.00</td><td>56.27</td><td>74.00</td><td>-17.73</td><td>42.34</td><td>13.93</td><td>Peak</td><td>100</td><td>90</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5350.00	43.46	54.00	-10.54	39.58	3.88	Average	259	38	2	5350.00	57.55	74.00	-16.45	53.67	3.88	Peak	259	38	3	10600.00	42.28	54.00	-11.72	28.22	14.06	Average	100	40	4	10600.00	56.37	74.00	-17.63	42.31	14.06	Peak	100	40	5	15900.00	43.08	54.00	-10.92	29.15	13.93	Average	100	90	6	15900.00	56.27	74.00	-17.73	42.34	13.93	Peak	100	90
	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	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

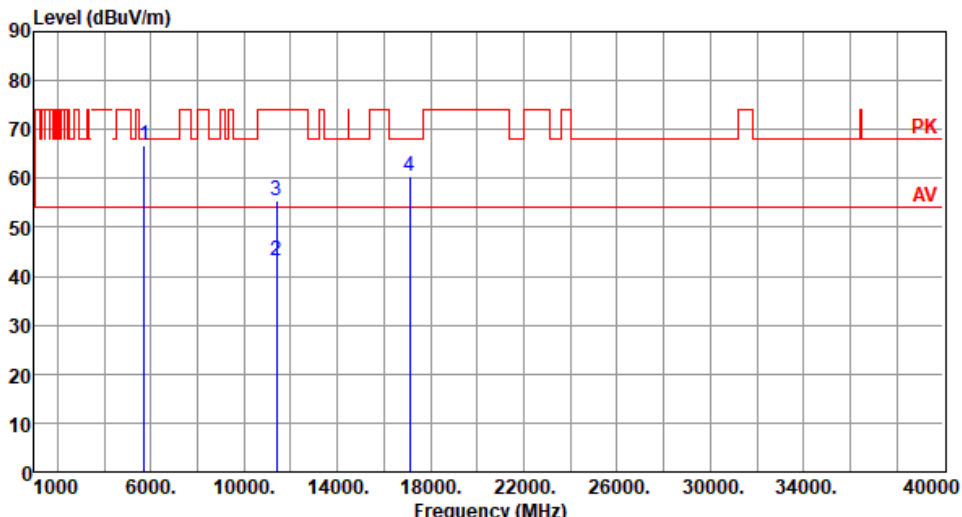
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) <			

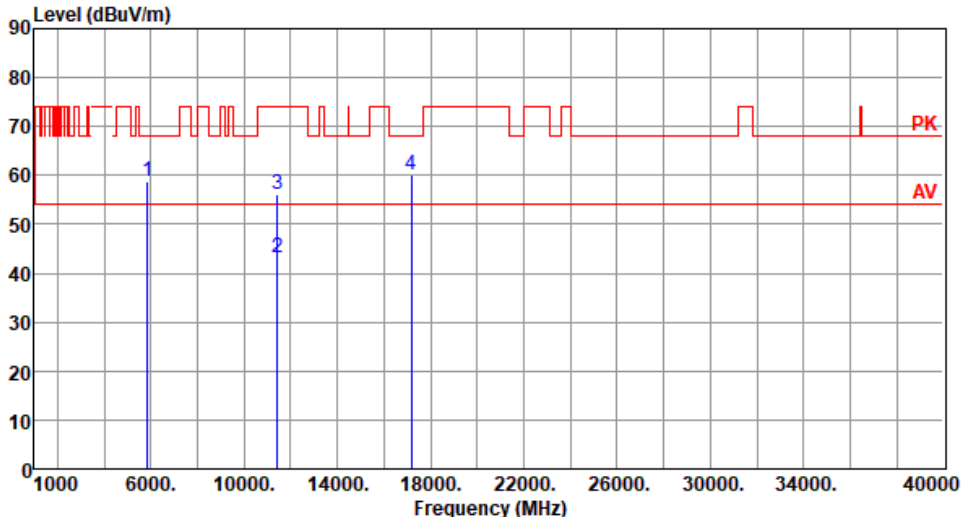
Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)  Freq. Emission Limit Margin SA Factor Remark ANT Turn level MHz dBuV/m dBuV/m dB reading dB/m 			

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m)			

Modulation	VHT20	Test Freq. (MHz)	5700																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																					
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>66.82</td><td>68.20</td><td>-1.38</td><td>62.02</td><td>4.80</td><td>Peak</td><td>105</td><td>352</td></tr><tr><td>2</td><td>11400.00</td><td>43.29</td><td>54.00</td><td>-10.71</td><td>29.25</td><td>14.04</td><td>Average</td><td>100</td><td>50</td></tr><tr><td>3</td><td>11400.00</td><td>55.60</td><td>74.00</td><td>-18.40</td><td>41.56</td><td>14.04</td><td>Peak</td><td>100</td><td>50</td></tr><tr><td>4</td><td>17100.00</td><td>60.33</td><td>68.20</td><td>-7.87</td><td>43.26</td><td>17.07</td><td>Peak</td><td>100</td><td>90</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	66.82	68.20	-1.38	62.02	4.80	Peak	105	352	2	11400.00	43.29	54.00	-10.71	29.25	14.04	Average	100	50	3	11400.00	55.60	74.00	-18.40	41.56	14.04	Peak	100	50	4	17100.00	60.33	68.20	-7.87	43.26	17.07	Peak	100	90
	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	66.82	68.20	-1.38	62.02	4.80	Peak	105	352																																												
2	11400.00	43.29	54.00	-10.71	29.25	14.04	Average	100	50																																												
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4	17100.00	60.33	68.20	-7.87	43.26	17.07	Peak	100	90																																												
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																					

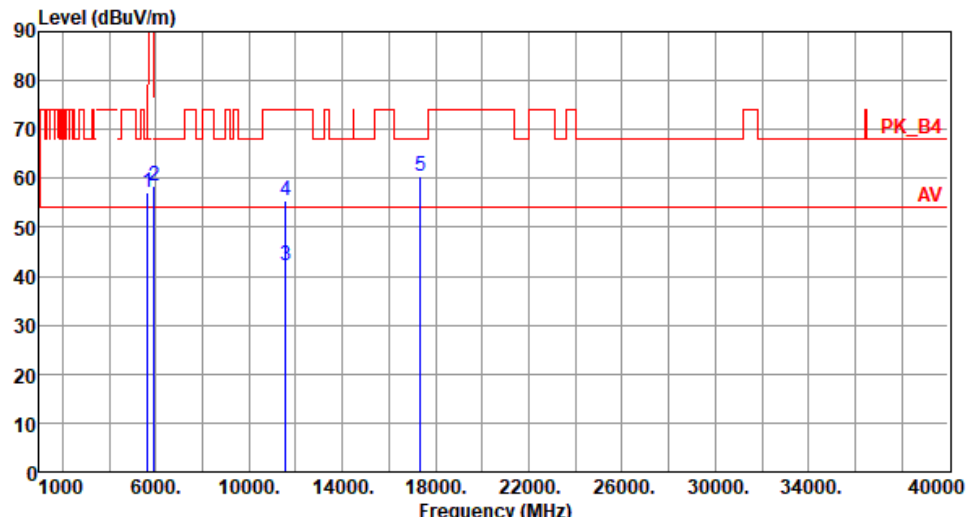
Modulation	VHT20	Test Freq. (MHz)	5720																																																												
Polarization	Horizontal																																																														
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																															
Level (dBUV/m)  <table><tr><th></th><th>Freq.</th><th>Emission level</th><th>Limit</th><th>Margin</th><th>SA reading</th><th>Factor</th><th>Remark</th><th>ANT High</th><th>Turn Table</th></tr><tr><th></th><th>MHz</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>5850.00</td><td>58.65</td><td>68.20</td><td>-9.55</td><td>53.46</td><td>5.19</td><td>Peak</td><td>268</td><td>22</td></tr><tr><td>2</td><td>11440.00</td><td>43.04</td><td>54.00</td><td>-10.96</td><td>29.05</td><td>13.99</td><td>Average</td><td>100</td><td>60</td></tr><tr><td>3</td><td>11440.00</td><td>56.09</td><td>74.00</td><td>-17.91</td><td>42.10</td><td>13.99</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>4</td><td>17160.00</td><td>60.17</td><td>68.20</td><td>-8.03</td><td>43.02</td><td>17.15</td><td>Peak</td><td>100</td><td>80</td></tr></table> Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).					Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table		MHz	dBUV/m	dBUV/m	dB	dBUV	dB/m		cm	deg	1	5850.00	58.65	68.20	-9.55	53.46	5.19	Peak	268	22	2	11440.00	43.04	54.00	-10.96	29.05	13.99	Average	100	60	3	11440.00	56.09	74.00	-17.91	42.10	13.99	Peak	100	60	4	17160.00	60.17	68.20	-8.03	43.02	17.15	Peak	100	80
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																																																						
	MHz	dBUV/m	dBUV/m	dB	dBUV	dB/m		cm	deg																																																						
1	5850.00	58.65	68.20	-9.55	53.46	5.19	Peak	268	22																																																						
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3	11440.00	56.09	74.00	-17.91	42.10	13.99	Peak	100	60																																																						
4	17160.00	60.17	68.20	-8.03	43.02	17.15	Peak	100	80																																																						

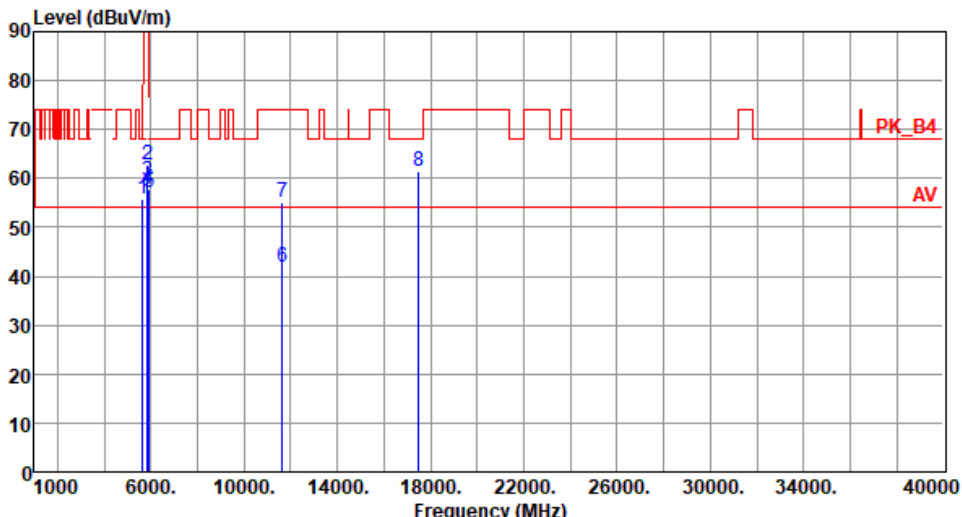
Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

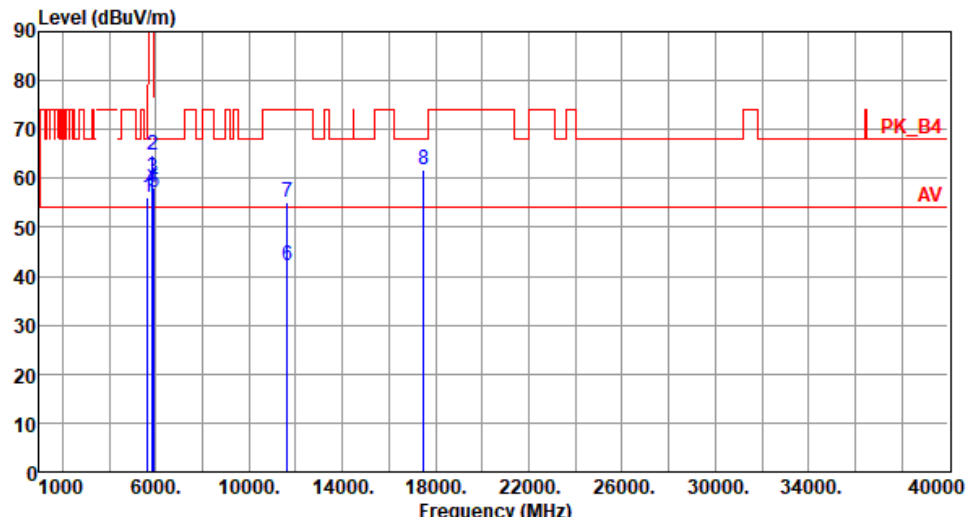
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5785																																																												
Polarization	Vertical																																																														
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																															
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>57.00</td><td>68.20</td><td>-11.20</td><td>52.58</td><td>4.42</td><td>Peak</td><td>105</td><td>355</td></tr><tr><td>2</td><td>5925.00</td><td>58.31</td><td>68.20</td><td>-9.89</td><td>52.88</td><td>5.43</td><td>Peak</td><td>105</td><td>355</td></tr><tr><td>3</td><td>11570.00</td><td>42.29</td><td>54.00</td><td>-11.71</td><td>28.46</td><td>13.83</td><td>Average</td><td>100</td><td>50</td></tr><tr><td>4</td><td>11570.00</td><td>55.49</td><td>74.00</td><td>-18.51</td><td>41.66</td><td>13.83</td><td>Peak</td><td>100</td><td>50</td></tr><tr><td>5</td><td>17355.00</td><td>60.42</td><td>68.20</td><td>-7.78</td><td>42.49</td><td>17.93</td><td>Peak</td><td>100</td><td>46</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	57.00	68.20	-11.20	52.58	4.42	Peak	105	355	2	5925.00	58.31	68.20	-9.89	52.88	5.43	Peak	105	355	3	11570.00	42.29	54.00	-11.71	28.46	13.83	Average	100	50	4	11570.00	55.49	74.00	-18.51	41.66	13.83	Peak	100	50	5	17355.00	60.42	68.20	-7.78	42.49	17.93	Peak	100	46
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	57.00	68.20	-11.20	52.58	4.42	Peak	105	355																																																						
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3	11570.00	42.29	54.00	-11.71	28.46	13.83	Average	100	50																																																						
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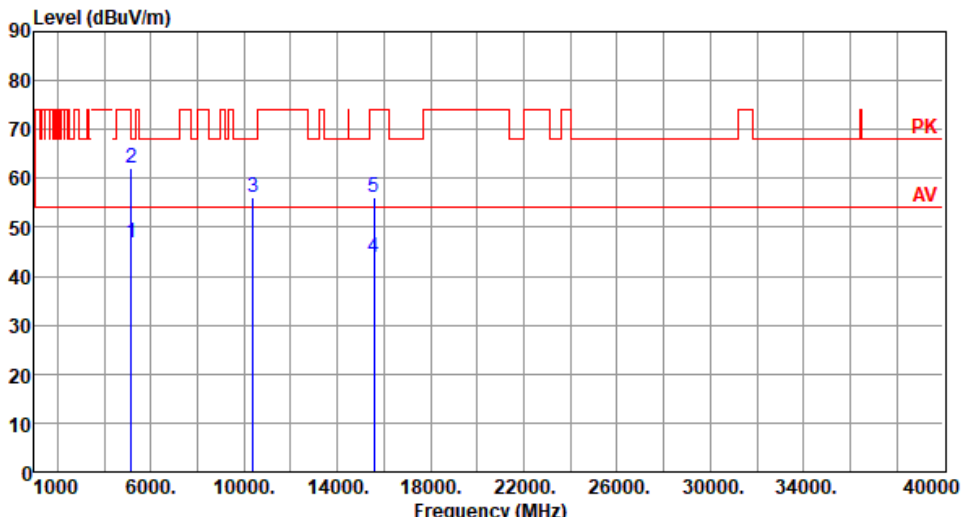
Modulation	VHT20	Test Freq. (MHz)	5825						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):23 Humidity(%):65									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	55.68	68.20	-12.52	51.26	4.42	Peak	268	26
2	5850.00	62.85	122.20	-59.35	57.66	5.19	Peak	268	26
3	5855.00	59.47	110.80	-51.33	54.26	5.21	Peak	268	26
4	5875.00	57.76	105.20	-47.44	52.46	5.30	Peak	268	26
5	5925.00	57.01	68.20	-11.19	51.58	5.43	Peak	268	26
6	11650.00	41.84	54.00	-12.16	28.26	13.58	Average	100	40
7	11650.00	55.03	74.00	-18.97	41.45	13.58	Peak	100	40
8	17475.00	61.34	68.20	-6.86	42.60	18.74	Peak	100	30

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

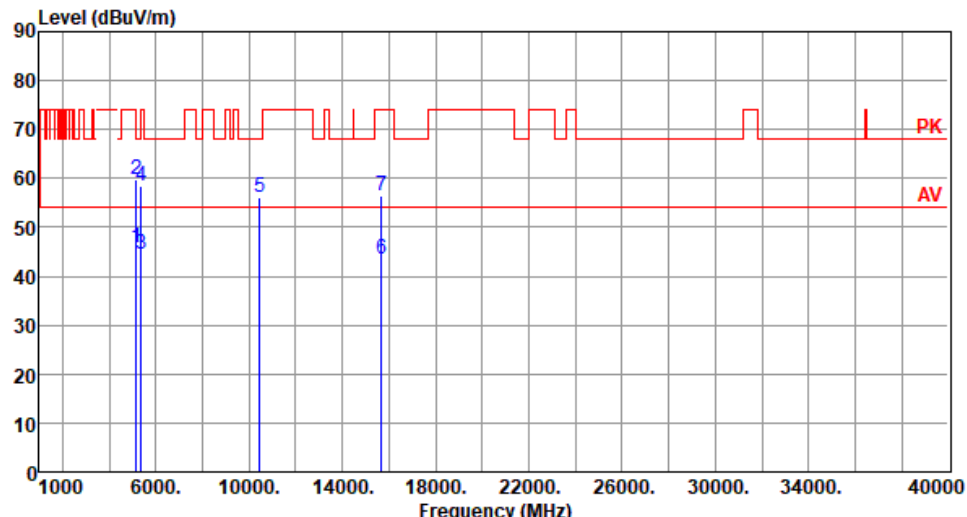
Modulation	VHT20	Test Freq. (MHz)	5825																																																																																										
Polarization	Vertical																																																																																												
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																													
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>56.01</td><td>68.20</td><td>-12.19</td><td>51.59</td><td>4.42</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>2</td><td>5850.00</td><td>64.61</td><td>122.20</td><td>-57.59</td><td>59.42</td><td>5.19</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>3</td><td>5855.00</td><td>60.27</td><td>110.80</td><td>-50.53</td><td>55.06</td><td>5.21</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>4</td><td>5875.00</td><td>58.06</td><td>105.20</td><td>-47.14</td><td>52.76</td><td>5.30</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>5</td><td>5925.00</td><td>57.25</td><td>68.20</td><td>-10.95</td><td>51.82</td><td>5.43</td><td>Peak</td><td>100</td><td>352</td></tr><tr><td>6</td><td>11650.00</td><td>42.02</td><td>54.00</td><td>-11.98</td><td>28.44</td><td>13.58</td><td>Average</td><td>100</td><td>60</td></tr><tr><td>7</td><td>11650.00</td><td>55.25</td><td>74.00</td><td>-18.75</td><td>41.67</td><td>13.58</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>8</td><td>17475.00</td><td>61.63</td><td>68.20</td><td>-6.57</td><td>42.89</td><td>18.74</td><td>Peak</td><td>100</td><td>40</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	56.01	68.20	-12.19	51.59	4.42	Peak	100	352	2	5850.00	64.61	122.20	-57.59	59.42	5.19	Peak	100	352	3	5855.00	60.27	110.80	-50.53	55.06	5.21	Peak	100	352	4	5875.00	58.06	105.20	-47.14	52.76	5.30	Peak	100	352	5	5925.00	57.25	68.20	-10.95	51.82	5.43	Peak	100	352	6	11650.00	42.02	54.00	-11.98	28.44	13.58	Average	100	60	7	11650.00	55.25	74.00	-18.75	41.67	13.58	Peak	100	60	8	17475.00	61.63	68.20	-6.57	42.89	18.74	Peak	100	40
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	56.01	68.20	-12.19	51.59	4.42	Peak	100	352																																																																																				
2	5850.00	64.61	122.20	-57.59	59.42	5.19	Peak	100	352																																																																																				
3	5855.00	60.27	110.80	-50.53	55.06	5.21	Peak	100	352																																																																																				
4	5875.00	58.06	105.20	-47.14	52.76	5.30	Peak	100	352																																																																																				
5	5925.00	57.25	68.20	-10.95	51.82	5.43	Peak	100	352																																																																																				
6	11650.00	42.02	54.00	-11.98	28.44	13.58	Average	100	60																																																																																				
7	11650.00	55.25	74.00	-18.75	41.67	13.58	Peak	100	60																																																																																				
8	17475.00	61.63	68.20	-6.57	42.89	18.74	Peak	100	40																																																																																				
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																													

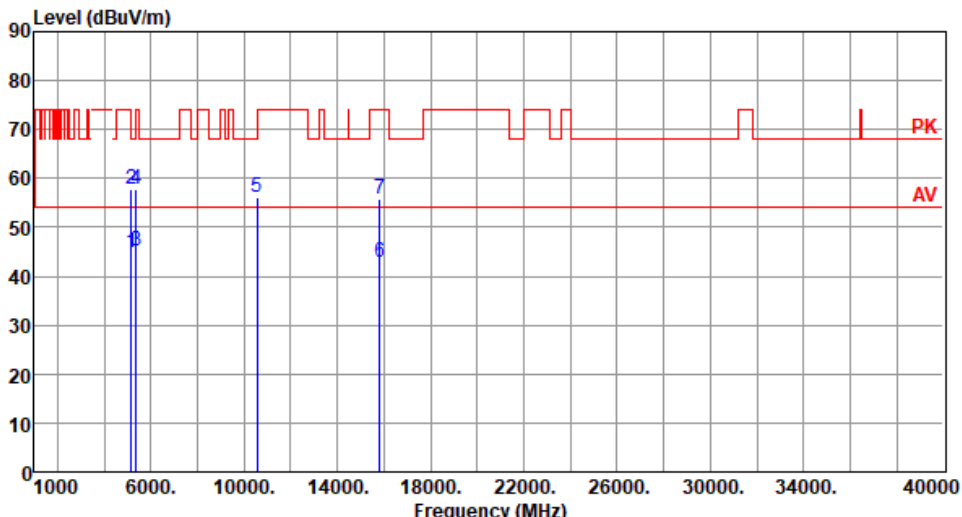
3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

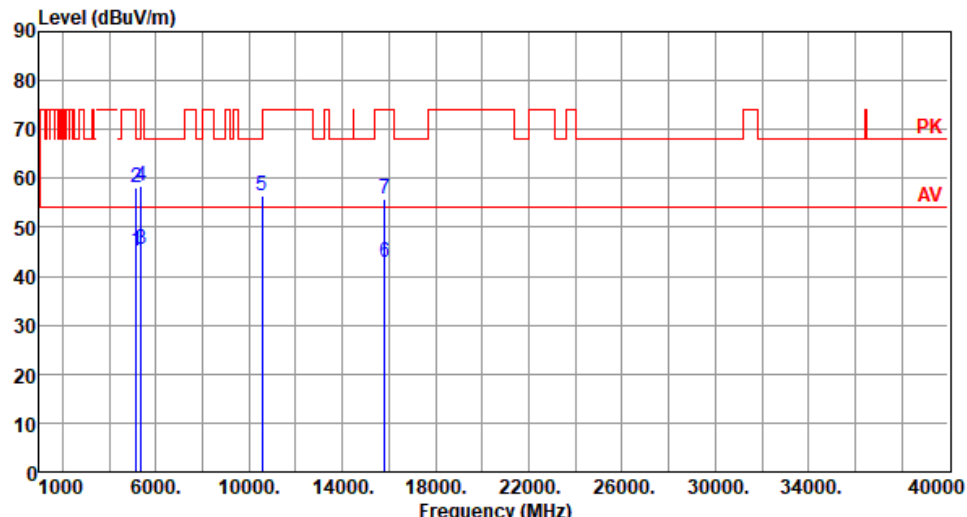
Modulation	VHT40	Test Freq. (MHz)	5190																																																													
Polarization	Vertical																																																															
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																
																																																																
	<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>46.83</td><td>54.00</td><td>-7.17</td><td>42.62</td><td>4.21</td><td>Average</td><td>100</td><td>2</td></tr><tr><td>2</td><td>5150.00</td><td>61.99</td><td>74.00</td><td>-12.01</td><td>57.78</td><td>4.21</td><td>Peak</td><td>100</td><td>2</td></tr><tr><td>3</td><td>10380.00</td><td>56.29</td><td>68.20</td><td>-11.91</td><td>42.26</td><td>14.03</td><td>Peak</td><td>100</td><td>90</td></tr><tr><td>4</td><td>15570.00</td><td>43.69</td><td>54.00</td><td>-10.31</td><td>29.56</td><td>14.13</td><td>Average</td><td>100</td><td>50</td></tr><tr><td>5</td><td>15570.00</td><td>56.26</td><td>74.00</td><td>-17.74</td><td>42.13</td><td>14.13</td><td>Peak</td><td>100</td><td>50</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	46.83	54.00	-7.17	42.62	4.21	Average	100	2	2	5150.00	61.99	74.00	-12.01	57.78	4.21	Peak	100	2	3	10380.00	56.29	68.20	-11.91	42.26	14.03	Peak	100	90	4	15570.00	43.69	54.00	-10.31	29.56	14.13	Average	100	50	5	15570.00	56.26	74.00	-17.74	42.13	14.13	Peak	100	50			
	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	46.83	54.00	-7.17	42.62	4.21	Average	100	2																																																							
2	5150.00	61.99	74.00	-12.01	57.78	4.21	Peak	100	2																																																							
3	10380.00	56.29	68.20	-11.91	42.26	14.03	Peak	100	90																																																							
4	15570.00	43.69	54.00	-10.31	29.56	14.13	Average	100	50																																																							
5	15570.00	56.26	74.00	-17.74	42.13	14.13	Peak	100	50																																																							
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																																

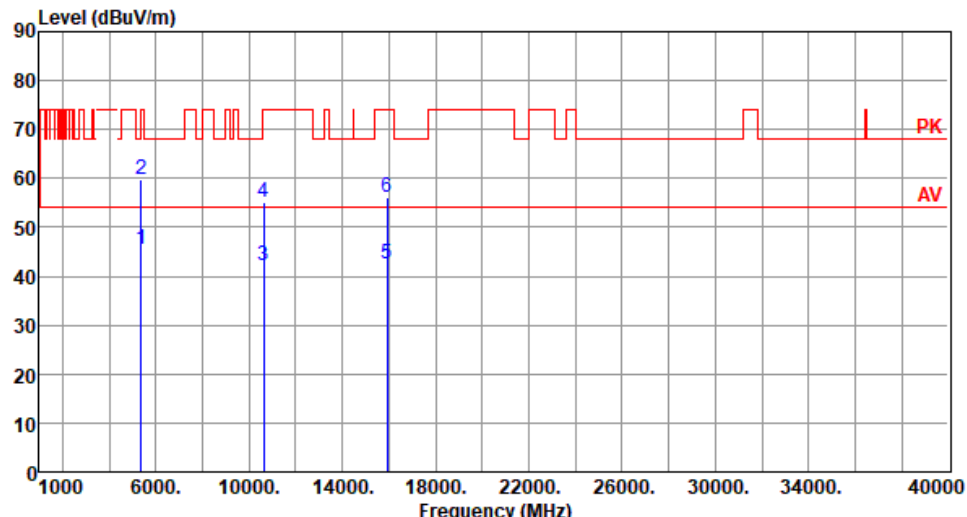
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBuV/m)			

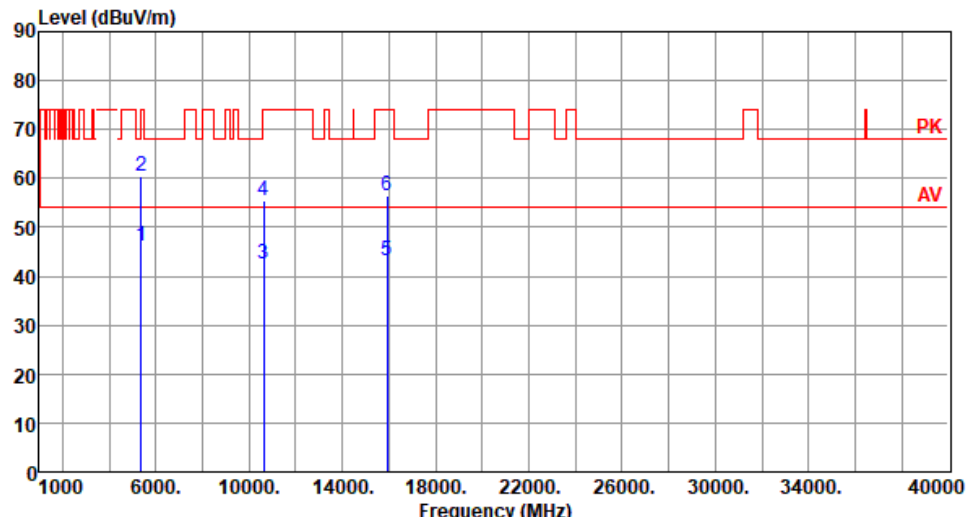
Modulation	VHT40	Test Freq. (MHz)	5230																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																																							
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.77</td><td>54.00</td><td>-8.23</td><td>41.56</td><td>4.21</td><td>Average</td><td>100</td><td>5</td></tr><tr><td>2</td><td>5150.00</td><td>59.80</td><td>74.00</td><td>-14.20</td><td>55.59</td><td>4.21</td><td>Peak</td><td>100</td><td>5</td></tr><tr><td>3</td><td>5350.00</td><td>44.56</td><td>54.00</td><td>-9.44</td><td>40.68</td><td>3.88</td><td>Average</td><td>100</td><td>5</td></tr><tr><td>4</td><td>5350.00</td><td>58.44</td><td>74.00</td><td>-15.56</td><td>54.56</td><td>3.88</td><td>Peak</td><td>100</td><td>5</td></tr><tr><td>5</td><td>10460.00</td><td>56.25</td><td>68.20</td><td>-11.95</td><td>42.16</td><td>14.09</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>6</td><td>15690.00</td><td>43.62</td><td>54.00</td><td>-10.38</td><td>29.58</td><td>14.04</td><td>Average</td><td>100</td><td>70</td></tr><tr><td>7</td><td>15690.00</td><td>56.50</td><td>74.00</td><td>-17.50</td><td>42.46</td><td>14.04</td><td>Peak</td><td>100</td><td>70</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	45.77	54.00	-8.23	41.56	4.21	Average	100	5	2	5150.00	59.80	74.00	-14.20	55.59	4.21	Peak	100	5	3	5350.00	44.56	54.00	-9.44	40.68	3.88	Average	100	5	4	5350.00	58.44	74.00	-15.56	54.56	3.88	Peak	100	5	5	10460.00	56.25	68.20	-11.95	42.16	14.09	Peak	100	30	6	15690.00	43.62	54.00	-10.38	29.58	14.04	Average	100	70	7	15690.00	56.50	74.00	-17.50	42.46	14.04	Peak	100	70
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																														
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1	5150.00	45.77	54.00	-8.23	41.56	4.21	Average	100	5																																																																																														
2	5150.00	59.80	74.00	-14.20	55.59	4.21	Peak	100	5																																																																																														
3	5350.00	44.56	54.00	-9.44	40.68	3.88	Average	100	5																																																																																														
4	5350.00	58.44	74.00	-15.56	54.56	3.88	Peak	100	5																																																																																														
5	10460.00	56.25	68.20	-11.95	42.16	14.09	Peak	100	30																																																																																														
6	15690.00	43.62	54.00	-10.38	29.58	14.04	Average	100	70																																																																																														
7	15690.00	56.50	74.00	-17.50	42.46	14.04	Peak	100	70																																																																																														
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																							

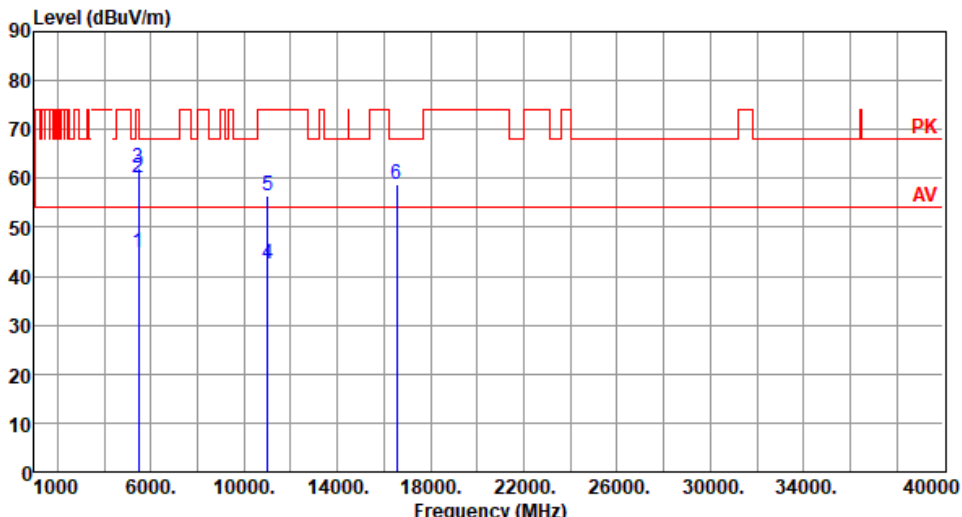
Modulation	VHT40	Test Freq. (MHz)	5270						
Polarization	Horizontal								
Test By :Roger Lu Temperature(°C):24 Humidity(%):62									
Level (dBuV/m)  Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table
		dBuV/m			dBuV			cm	deg
1	5150.00	44.77	54.00	-9.23	40.56	4.21	Average	255	25
2	5150.00	57.85	74.00	-16.15	53.64	4.21	Peak	255	25
3	5350.00	45.13	54.00	-8.87	41.25	3.88	Average	255	25
4	5350.00	57.91	74.00	-16.09	54.03	3.88	Peak	255	25
5	10540.00	56.12	68.20	-12.08	42.02	14.10	Peak	100	80
6	15810.00	42.78	54.00	-11.22	28.98	13.80	Average	100	30
7	15810.00	55.68	74.00	-18.32	41.88	13.80	Peak	100	30

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

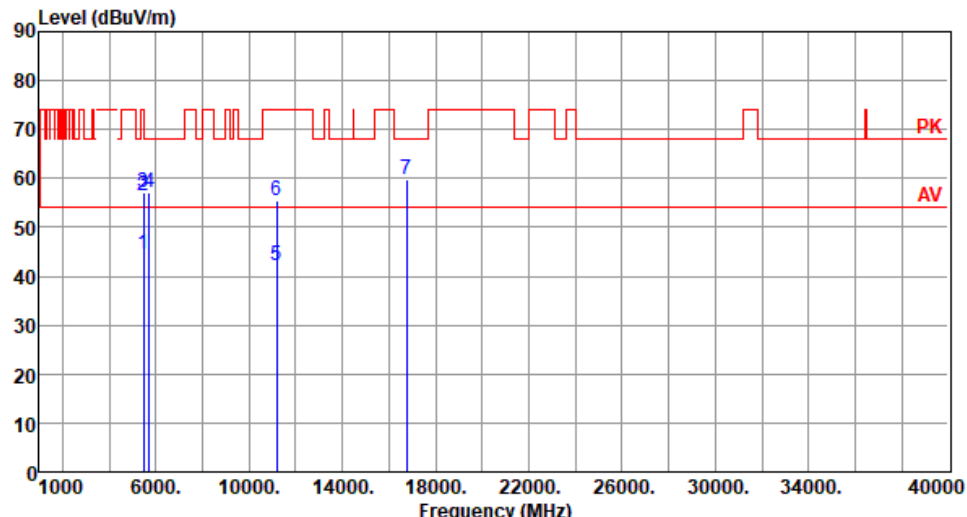
Modulation	VHT40	Test Freq. (MHz)	5270																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																																							
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.07</td><td>54.00</td><td>-8.93</td><td>40.86</td><td>4.21</td><td>Average</td><td>145</td><td>359</td></tr><tr><td>2</td><td>5150.00</td><td>57.97</td><td>74.00</td><td>-16.03</td><td>53.76</td><td>4.21</td><td>Peak</td><td>145</td><td>359</td></tr><tr><td>3</td><td>5350.00</td><td>45.47</td><td>54.00</td><td>-8.53</td><td>41.59</td><td>3.88</td><td>Average</td><td>145</td><td>359</td></tr><tr><td>4</td><td>5350.00</td><td>58.47</td><td>74.00</td><td>-15.53</td><td>54.59</td><td>3.88</td><td>Peak</td><td>145</td><td>359</td></tr><tr><td>5</td><td>10540.00</td><td>56.35</td><td>68.20</td><td>-11.85</td><td>42.25</td><td>14.10</td><td>Peak</td><td>100</td><td>90</td></tr><tr><td>6</td><td>15810.00</td><td>42.96</td><td>54.00</td><td>-11.04</td><td>29.16</td><td>13.80</td><td>Average</td><td>100</td><td>20</td></tr><tr><td>7</td><td>15810.00</td><td>55.93</td><td>74.00</td><td>-18.07</td><td>42.13</td><td>13.80</td><td>Peak</td><td>100</td><td>20</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	45.07	54.00	-8.93	40.86	4.21	Average	145	359	2	5150.00	57.97	74.00	-16.03	53.76	4.21	Peak	145	359	3	5350.00	45.47	54.00	-8.53	41.59	3.88	Average	145	359	4	5350.00	58.47	74.00	-15.53	54.59	3.88	Peak	145	359	5	10540.00	56.35	68.20	-11.85	42.25	14.10	Peak	100	90	6	15810.00	42.96	54.00	-11.04	29.16	13.80	Average	100	20	7	15810.00	55.93	74.00	-18.07	42.13	13.80	Peak	100	20
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
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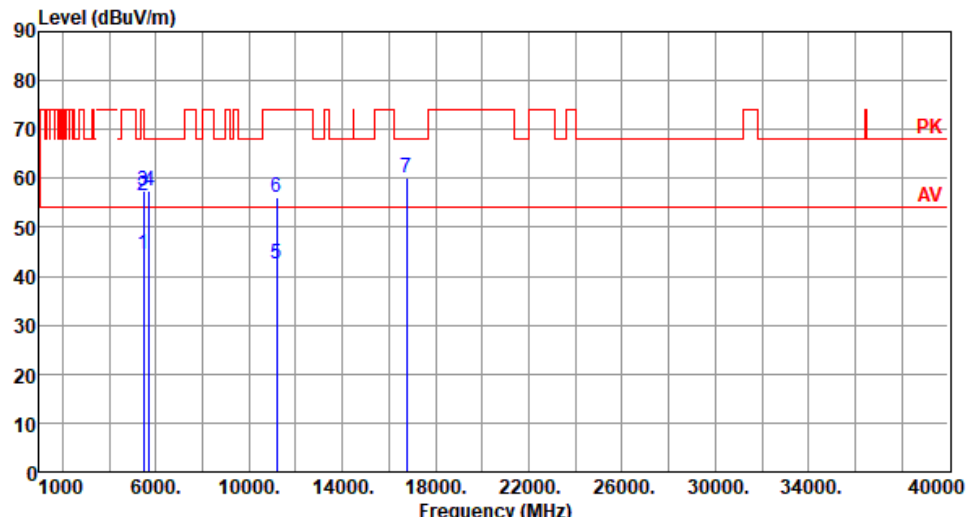
Modulation	VHT40	Test Freq. (MHz)	5310																																																																						
Polarization	Horizontal																																																																								
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																									
 <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>45.58</td><td>54.00</td><td>-8.42</td><td>41.70</td><td>3.88</td><td>Average</td><td>255</td><td>36</td></tr><tr><td>2</td><td>5350.00</td><td>59.74</td><td>74.00</td><td>-14.26</td><td>55.86</td><td>3.88</td><td>Peak</td><td>255</td><td>36</td></tr><tr><td>3</td><td>10620.00</td><td>42.30</td><td>54.00</td><td>-11.70</td><td>28.26</td><td>14.04</td><td>Average</td><td>100</td><td>80</td></tr><tr><td>4</td><td>10620.00</td><td>55.21</td><td>74.00</td><td>-18.79</td><td>41.17</td><td>14.04</td><td>Peak</td><td>100</td><td>80</td></tr><tr><td>5</td><td>15930.00</td><td>42.65</td><td>54.00</td><td>-11.35</td><td>28.67</td><td>13.98</td><td>Average</td><td>100</td><td>55</td></tr><tr><td>6</td><td>15930.00</td><td>56.09</td><td>74.00</td><td>-17.91</td><td>42.11</td><td>13.98</td><td>Peak</td><td>100</td><td>55</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	45.58	54.00	-8.42	41.70	3.88	Average	255	36	2	5350.00	59.74	74.00	-14.26	55.86	3.88	Peak	255	36	3	10620.00	42.30	54.00	-11.70	28.26	14.04	Average	100	80	4	10620.00	55.21	74.00	-18.79	41.17	14.04	Peak	100	80	5	15930.00	42.65	54.00	-11.35	28.67	13.98	Average	100	55	6	15930.00	56.09	74.00	-17.91	42.11	13.98	Peak	100	55
	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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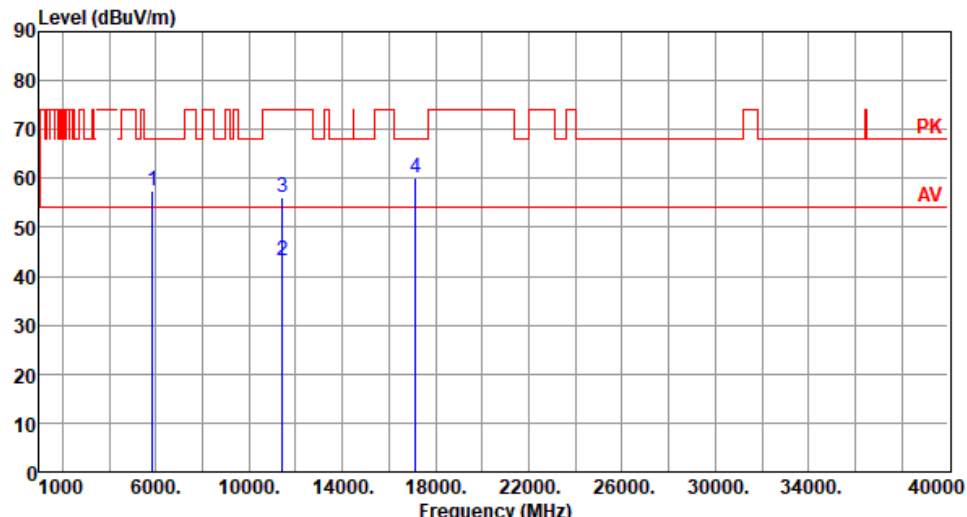
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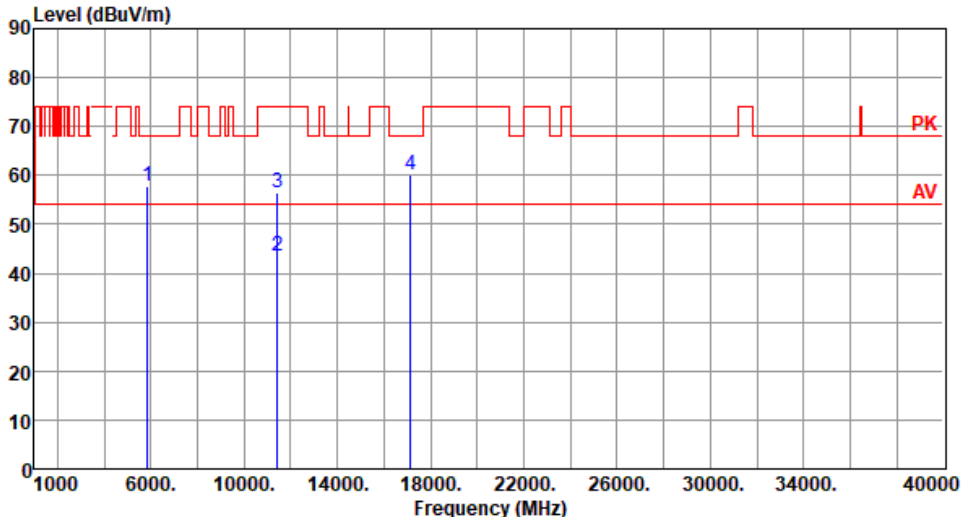
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2	5460.00	56.56	74.00	-17.44	52.27	4.29	Peak	107	350																																																																										
3	5470.00	57.45	68.20	-10.75	53.13	4.32	Peak	107	350																																																																										
4	5725.00	57.46	68.20	-10.74	52.66	4.80	Peak	107	350																																																																										
5	11180.00	42.41	54.00	-11.59	28.64	13.77	Average	100	150																																																																										
6	11180.00	56.02	74.00	-17.98	42.25	13.77	Peak	100	150																																																																										
7	16770.00	60.19	68.20	-8.01	43.21	16.98	Peak	100	40																																																																										
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																			

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m) <			

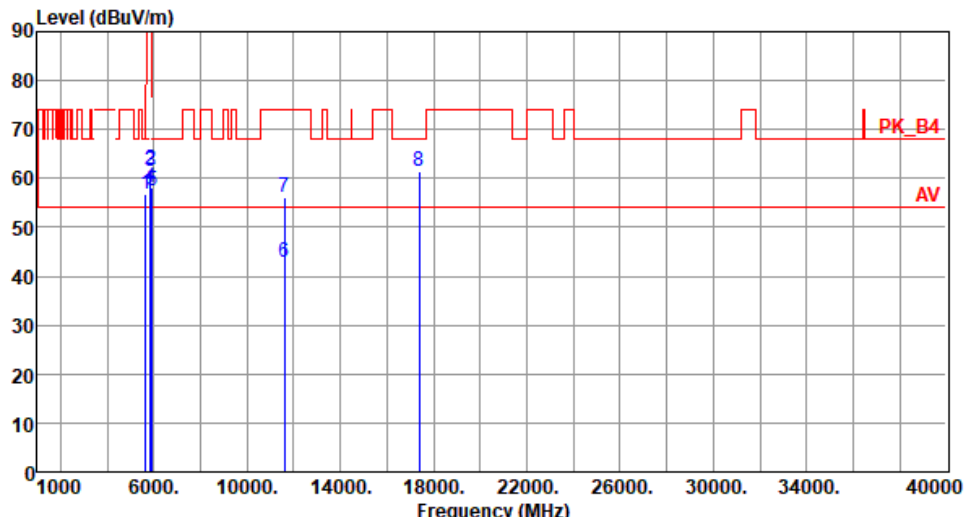
Modulation	VHT40	Test Freq. (MHz)	5710																																																		
Polarization	Horizontal																																																				
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																					
Level (dBuV/m)  Frequency (MHz) <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>5850.00</td><td>57.34</td><td>68.20</td><td>-10.86</td><td>52.15</td><td>5.19</td><td>Peak</td><td>261</td><td>37</td></tr><tr><td>2</td><td>11420.00</td><td>43.17</td><td>54.00</td><td>-10.83</td><td>29.15</td><td>14.02</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>3</td><td>11420.00</td><td>56.07</td><td>74.00</td><td>-17.93</td><td>42.05</td><td>14.02</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>4</td><td>17130.00</td><td>59.98</td><td>68.20</td><td>-8.22</td><td>42.87</td><td>17.11</td><td>Peak</td><td>100</td><td>60</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	5850.00	57.34	68.20	-10.86	52.15	5.19	Peak	261	37	2	11420.00	43.17	54.00	-10.83	29.15	14.02	Average	100	30	3	11420.00	56.07	74.00	-17.93	42.05	14.02	Peak	100	30	4	17130.00	59.98	68.20	-8.22	42.87	17.11	Peak	100	60
	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	5850.00	57.34	68.20	-10.86	52.15	5.19	Peak	261	37																																												
2	11420.00	43.17	54.00	-10.83	29.15	14.02	Average	100	30																																												
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4	17130.00	59.98	68.20	-8.22	42.87	17.11	Peak	100	60																																												
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																					

Modulation	VHT40	Test Freq. (MHz)	5710																																																		
Polarization	Vertical																																																				
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																					
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5850.00</td><td>57.66</td><td>68.20</td><td>-10.54</td><td>52.47</td><td>5.19</td><td>Peak</td><td>105</td><td>349</td></tr><tr><td>2</td><td>11420.00</td><td>43.36</td><td>54.00</td><td>-10.64</td><td>29.34</td><td>14.02</td><td>Average</td><td>100</td><td>80</td></tr><tr><td>3</td><td>11420.00</td><td>56.33</td><td>74.00</td><td>-17.67</td><td>42.31</td><td>14.02</td><td>Peak</td><td>100</td><td>80</td></tr><tr><td>4</td><td>17130.00</td><td>60.27</td><td>68.20</td><td>-7.93</td><td>43.16</td><td>17.11</td><td>Peak</td><td>100</td><td>50</td></tr></tbody></table> Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5850.00	57.66	68.20	-10.54	52.47	5.19	Peak	105	349	2	11420.00	43.36	54.00	-10.64	29.34	14.02	Average	100	80	3	11420.00	56.33	74.00	-17.67	42.31	14.02	Peak	100	80	4	17130.00	60.27	68.20	-7.93	43.16	17.11	Peak	100	50
	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	5850.00	57.66	68.20	-10.54	52.47	5.19	Peak	105	349																																												
2	11420.00	43.36	54.00	-10.64	29.34	14.02	Average	100	80																																												
3	11420.00	56.33	74.00	-17.67	42.31	14.02	Peak	100	80																																												
4	17130.00	60.27	68.20	-7.93	43.16	17.11	Peak	100	50																																												

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m)			

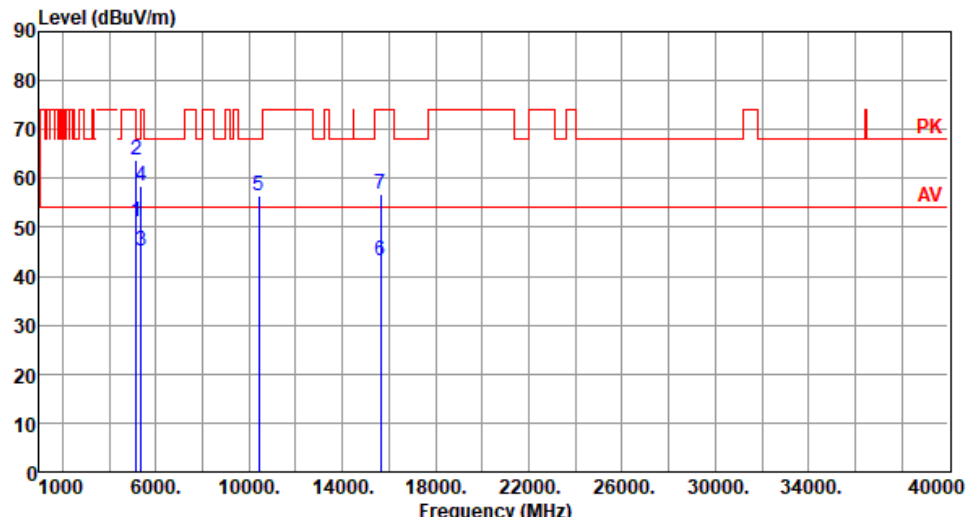
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT40	Test Freq. (MHz)	5795																																																																																										
Polarization	Horizontal																																																																																												
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																													
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>56.40</td><td>68.20</td><td>-11.80</td><td>51.98</td><td>4.42</td><td>Peak</td><td>254</td><td>13</td></tr><tr><td>2</td><td>5850.00</td><td>61.80</td><td>122.20</td><td>-60.40</td><td>56.61</td><td>5.19</td><td>Peak</td><td>254</td><td>13</td></tr><tr><td>3</td><td>5855.00</td><td>60.35</td><td>110.80</td><td>-50.45</td><td>55.14</td><td>5.21</td><td>Peak</td><td>254</td><td>13</td></tr><tr><td>4</td><td>5875.00</td><td>58.42</td><td>105.20</td><td>-46.78</td><td>53.12</td><td>5.30</td><td>Peak</td><td>254</td><td>13</td></tr><tr><td>5</td><td>5925.00</td><td>57.58</td><td>68.20</td><td>-10.62</td><td>52.15</td><td>5.43</td><td>Peak</td><td>254</td><td>13</td></tr><tr><td>6</td><td>11590.00</td><td>42.82</td><td>54.00</td><td>-11.18</td><td>29.02</td><td>13.80</td><td>Average</td><td>100</td><td>60</td></tr><tr><td>7</td><td>11590.00</td><td>55.95</td><td>74.00</td><td>-18.05</td><td>42.15</td><td>13.80</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>8</td><td>17385.00</td><td>61.29</td><td>68.20</td><td>-6.91</td><td>43.13</td><td>18.16</td><td>Peak</td><td>100</td><td>100</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	56.40	68.20	-11.80	51.98	4.42	Peak	254	13	2	5850.00	61.80	122.20	-60.40	56.61	5.19	Peak	254	13	3	5855.00	60.35	110.80	-50.45	55.14	5.21	Peak	254	13	4	5875.00	58.42	105.20	-46.78	53.12	5.30	Peak	254	13	5	5925.00	57.58	68.20	-10.62	52.15	5.43	Peak	254	13	6	11590.00	42.82	54.00	-11.18	29.02	13.80	Average	100	60	7	11590.00	55.95	74.00	-18.05	42.15	13.80	Peak	100	60	8	17385.00	61.29	68.20	-6.91	43.13	18.16	Peak	100	100
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	56.40	68.20	-11.80	51.98	4.42	Peak	254	13																																																																																				
2	5850.00	61.80	122.20	-60.40	56.61	5.19	Peak	254	13																																																																																				
3	5855.00	60.35	110.80	-50.45	55.14	5.21	Peak	254	13																																																																																				
4	5875.00	58.42	105.20	-46.78	53.12	5.30	Peak	254	13																																																																																				
5	5925.00	57.58	68.20	-10.62	52.15	5.43	Peak	254	13																																																																																				
6	11590.00	42.82	54.00	-11.18	29.02	13.80	Average	100	60																																																																																				
7	11590.00	55.95	74.00	-18.05	42.15	13.80	Peak	100	60																																																																																				
8	17385.00	61.29	68.20	-6.91	43.13	18.16	Peak	100	100																																																																																				

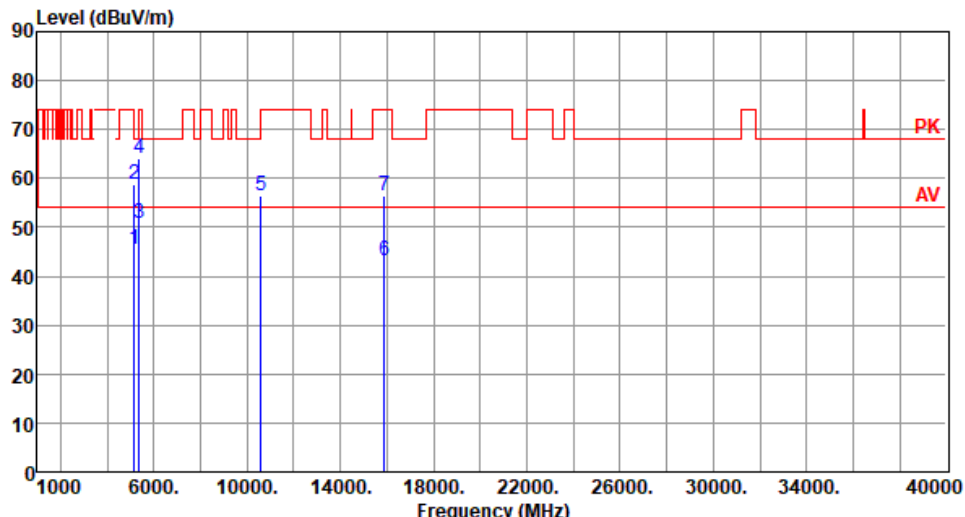
Modulation	VHT40	Test Freq. (MHz)	5795																																																																																																														
Polarization	Vertical																																																																																																																
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																																																	
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5650.00</td><td>56.83</td><td>68.20</td><td>-11.37</td><td>52.41</td><td>4.42</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>2</td><td>5850.00</td><td>61.63</td><td>122.20</td><td>-60.57</td><td>56.44</td><td>5.19</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>3</td><td>5855.00</td><td>61.33</td><td>110.80</td><td>-49.47</td><td>56.12</td><td>5.21</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>4</td><td>5875.00</td><td>58.23</td><td>105.20</td><td>-46.97</td><td>52.93</td><td>5.30</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>5</td><td>5925.00</td><td>57.30</td><td>68.20</td><td>-10.90</td><td>51.87</td><td>5.43</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>6</td><td>11590.00</td><td>42.97</td><td>54.00</td><td>-11.03</td><td>29.17</td><td>13.80</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>7</td><td>11590.00</td><td>56.14</td><td>74.00</td><td>-17.86</td><td>42.34</td><td>13.80</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>8</td><td>17385.00</td><td>61.37</td><td>68.20</td><td>-6.83</td><td>43.21</td><td>18.16</td><td>Peak</td><td>100</td><td>40</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5650.00	56.83	68.20	-11.37	52.41	4.42	Peak	100	351	2	5850.00	61.63	122.20	-60.57	56.44	5.19	Peak	100	351	3	5855.00	61.33	110.80	-49.47	56.12	5.21	Peak	100	351	4	5875.00	58.23	105.20	-46.97	52.93	5.30	Peak	100	351	5	5925.00	57.30	68.20	-10.90	51.87	5.43	Peak	100	351	6	11590.00	42.97	54.00	-11.03	29.17	13.80	Average	100	30	7	11590.00	56.14	74.00	-17.86	42.34	13.80	Peak	100	30	8	17385.00	61.37	68.20	-6.83	43.21	18.16	Peak	100	40
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																								
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																								
								cm	deg																																																																																																								
1	5650.00	56.83	68.20	-11.37	52.41	4.42	Peak	100	351																																																																																																								
2	5850.00	61.63	122.20	-60.57	56.44	5.19	Peak	100	351																																																																																																								
3	5855.00	61.33	110.80	-49.47	56.12	5.21	Peak	100	351																																																																																																								
4	5875.00	58.23	105.20	-46.97	52.93	5.30	Peak	100	351																																																																																																								
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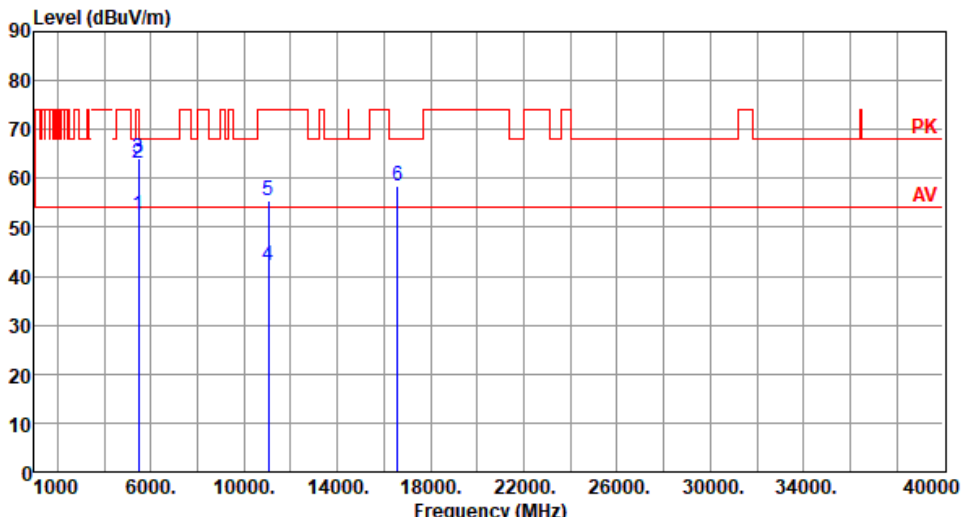
3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5210																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																																							
Level (dBuV/m)  <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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>51.05</td><td>54.00</td><td>-2.95</td><td>46.84</td><td>4.21</td><td>Average</td><td>100</td><td>1</td></tr><tr><td>2</td><td>5150.00</td><td>63.79</td><td>74.00</td><td>-10.21</td><td>59.58</td><td>4.21</td><td>Peak</td><td>100</td><td>1</td></tr><tr><td>3</td><td>5350.00</td><td>45.21</td><td>54.00</td><td>-8.79</td><td>41.33</td><td>3.88</td><td>Average</td><td>100</td><td>1</td></tr><tr><td>4</td><td>5350.00</td><td>58.53</td><td>74.00</td><td>-15.47</td><td>54.65</td><td>3.88</td><td>Peak</td><td>100</td><td>1</td></tr><tr><td>5</td><td>10420.00</td><td>56.44</td><td>68.20</td><td>-11.76</td><td>42.37</td><td>14.07</td><td>Peak</td><td>100</td><td>90</td></tr><tr><td>6</td><td>15630.00</td><td>43.20</td><td>54.00</td><td>-10.80</td><td>29.13</td><td>14.07</td><td>Average</td><td>100</td><td>40</td></tr><tr><td>7</td><td>15630.00</td><td>56.72</td><td>74.00</td><td>-17.28</td><td>42.65</td><td>14.07</td><td>Peak</td><td>100</td><td>40</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	51.05	54.00	-2.95	46.84	4.21	Average	100	1	2	5150.00	63.79	74.00	-10.21	59.58	4.21	Peak	100	1	3	5350.00	45.21	54.00	-8.79	41.33	3.88	Average	100	1	4	5350.00	58.53	74.00	-15.47	54.65	3.88	Peak	100	1	5	10420.00	56.44	68.20	-11.76	42.37	14.07	Peak	100	90	6	15630.00	43.20	54.00	-10.80	29.13	14.07	Average	100	40	7	15630.00	56.72	74.00	-17.28	42.65	14.07	Peak	100	40
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
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								cm	deg																																																																																														
1	5150.00	51.05	54.00	-2.95	46.84	4.21	Average	100	1																																																																																														
2	5150.00	63.79	74.00	-10.21	59.58	4.21	Peak	100	1																																																																																														
3	5350.00	45.21	54.00	-8.79	41.33	3.88	Average	100	1																																																																																														
4	5350.00	58.53	74.00	-15.47	54.65	3.88	Peak	100	1																																																																																														
5	10420.00	56.44	68.20	-11.76	42.37	14.07	Peak	100	90																																																																																														
6	15630.00	43.20	54.00	-10.80	29.13	14.07	Average	100	40																																																																																														
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																							

Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT80	Test Freq. (MHz)	5290																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																																																							
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.47</td><td>54.00</td><td>-8.53</td><td>41.26</td><td>4.21</td><td>Average</td><td>104</td><td>359</td></tr><tr><td>2</td><td>5150.00</td><td>58.80</td><td>74.00</td><td>-15.20</td><td>54.59</td><td>4.21</td><td>Peak</td><td>104</td><td>359</td></tr><tr><td>3</td><td>5350.00</td><td>50.79</td><td>54.00</td><td>-3.21</td><td>46.91</td><td>3.88</td><td>Average</td><td>104</td><td>359</td></tr><tr><td>4</td><td>5350.00</td><td>64.05</td><td>74.00</td><td>-9.95</td><td>60.17</td><td>3.88</td><td>Peak</td><td>104</td><td>359</td></tr><tr><td>5</td><td>10580.00</td><td>56.38</td><td>68.20</td><td>-11.82</td><td>42.30</td><td>14.08</td><td>Peak</td><td>100</td><td>20</td></tr><tr><td>6</td><td>15870.00</td><td>43.23</td><td>54.00</td><td>-10.77</td><td>29.34</td><td>13.89</td><td>Average</td><td>100</td><td>60</td></tr><tr><td>7</td><td>15870.00</td><td>56.38</td><td>74.00</td><td>-17.62</td><td>42.49</td><td>13.89</td><td>Peak</td><td>100</td><td>60</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	45.47	54.00	-8.53	41.26	4.21	Average	104	359	2	5150.00	58.80	74.00	-15.20	54.59	4.21	Peak	104	359	3	5350.00	50.79	54.00	-3.21	46.91	3.88	Average	104	359	4	5350.00	64.05	74.00	-9.95	60.17	3.88	Peak	104	359	5	10580.00	56.38	68.20	-11.82	42.30	14.08	Peak	100	20	6	15870.00	43.23	54.00	-10.77	29.34	13.89	Average	100	60	7	15870.00	56.38	74.00	-17.62	42.49	13.89	Peak	100	60
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
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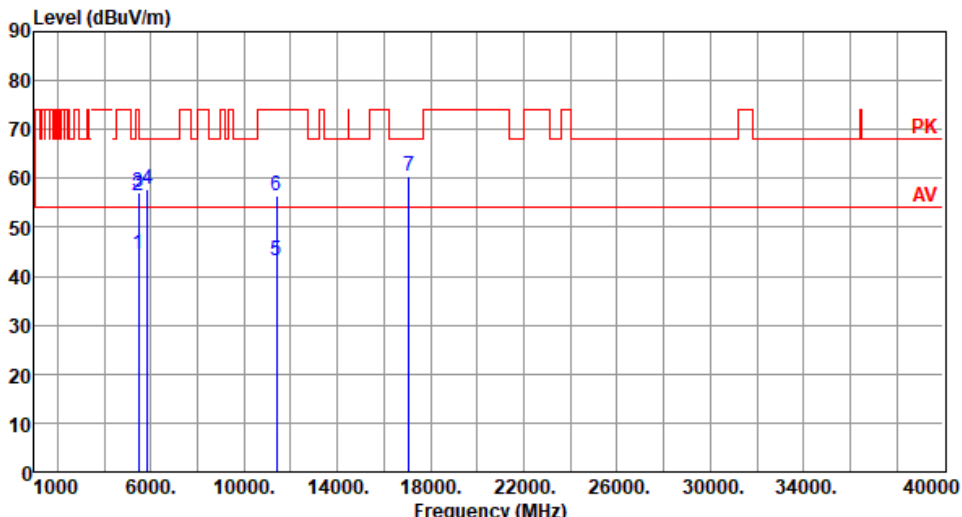
Modulation	VHT80	Test Freq. (MHz)	5530																																																																							
Polarization	Horizontal																																																																									
Test By :Brad Wu Temperature(°C):23 Humidity(%):65																																																																										
																																																																										
	<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>52.45</td><td>54.00</td><td>-1.55</td><td>48.16</td><td>4.29</td><td>Average</td><td>246</td><td>23</td></tr><tr><td>2</td><td>5460.00</td><td>63.23</td><td>74.00</td><td>-10.77</td><td>58.94</td><td>4.29</td><td>Peak</td><td>246</td><td>23</td></tr><tr><td>3</td><td>5470.00</td><td>64.09</td><td>68.20</td><td>-4.11</td><td>59.77</td><td>4.32</td><td>Peak</td><td>246</td><td>23</td></tr><tr><td>4</td><td>11060.00</td><td>42.34</td><td>54.00</td><td>-11.66</td><td>28.11</td><td>14.23</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>5</td><td>11060.00</td><td>55.38</td><td>74.00</td><td>-18.62</td><td>41.15</td><td>14.23</td><td>Peak</td><td>100</td><td>30</td></tr><tr><td>6</td><td>16590.00</td><td>58.57</td><td>68.20</td><td>-9.63</td><td>42.48</td><td>16.09</td><td>Peak</td><td>100</td><td>70</td></tr></table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	52.45	54.00	-1.55	48.16	4.29	Average	246	23	2	5460.00	63.23	74.00	-10.77	58.94	4.29	Peak	246	23	3	5470.00	64.09	68.20	-4.11	59.77	4.32	Peak	246	23	4	11060.00	42.34	54.00	-11.66	28.11	14.23	Average	100	30	5	11060.00	55.38	74.00	-18.62	41.15	14.23	Peak	100	30	6	16590.00	58.57	68.20	-9.63	42.48	16.09	Peak	100	70			
	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	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62			
Level (dBUV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5690																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):62																																																																																			
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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	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBUV/m) <			

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

3.6 Frequency Stability

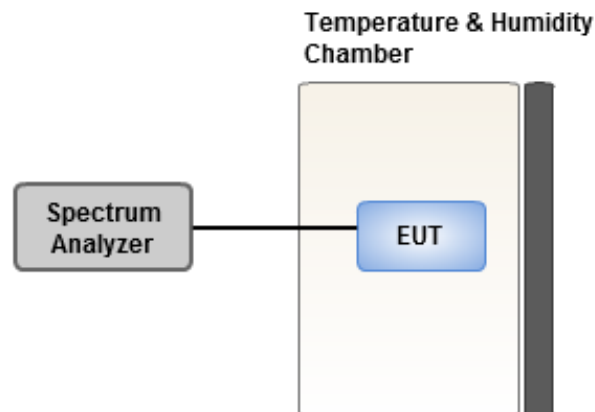
3.6.1 Limit of Frequency Stability

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.

3.6.2 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.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Ambient Condition	18-20°C / 63-65%	Tested By	Aska Huang
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Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	0.84	0.54	1.00	0.58
T20°C Vmin	1.61	0.75	1.40	1.12
T50°C Vnom	-4.39	-3.78	-4.14	-3.49
T40°C Vnom	-1.14	-1.48	-1.46	-1.81
T30°C Vnom	0.61	1.43	0.69	1.22
T20°C Vnom	0.60	1.64	1.50	1.75
T10°C Vnom	1.36	1.92	1.48	1.79
T0°C Vnom	0.82	1.37	1.10	1.49
T-10°C Vnom	1.33	2.25	1.36	1.63
T-20°C Vnom	1.73	2.06	1.50	1.55
T-30°C Vnom	1.89	1.78	2.25	2.24
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	0.81	0.77	0.93	1.38
T20°C Vmin	1.34	1.35	1.59	1.82
T50°C Vnom	-4.39	-4.40	-3.87	-4.18
T40°C Vnom	-0.71	-0.93	-0.86	-0.75
T30°C Vnom	0.56	0.62	0.60	0.30
T20°C Vnom	0.68	0.97	1.14	1.04
T10°C Vnom	1.52	1.59	1.94	2.27
T0°C Vnom	0.32	0.10	0.66	0.36
T-10°C Vnom	1.63	1.79	1.53	2.10
T-20°C Vnom	1.70	1.70	1.89	2.13
T-30°C Vnom	1.74	2.23	1.87	1.49
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

4 Test laboratory information

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

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

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

Linkou

Tel: 886-2-2601-1640

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

Kwei Shan

Tel: 886-3-271-8666

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

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

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