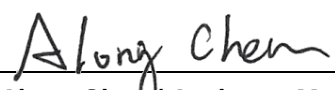


FCC Test Report

FCC ID : 2ALXJ-WBC100
Equipment : Whiteboard Owl
Model No. : WBC100
Brand Name : OWLLabs™
Applicant : Owl Labs Inc
Address : 33-1/2 Union Sq
Somerville US 02143 United States Of America
Standard : 47 CFR FCC Part 15.407
Received Date : Dec. 14, 2020
Tested Date : Jan. 21 ~ Jan. 28, 2021

We, International Certification Corp., 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 may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Assistant Manager

Approved by:

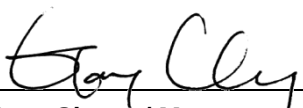

Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR0D1401AN	Rev. 01	Initial issue	Feb. 08, 2021

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.513MHz 42.57 (Margin -3.43dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5350.00MHz 52.97 (Margin -1.03dB) - 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: 21.45 5250~5350MHz: 21.57 5470~5725MHz: 21.51 5725~5850MHz: 20.80	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
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [9] 149-165 [5]	2	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-140 [9] 149-165 [5]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-142 [4] 151-159 [2]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5700 5745-5825	36-48 [4] 52-64 [4] 100-144 [9] 149-165 [5]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5670 5755-5795	38-46 [2] 54-62 [2] 102-142 [4] 151-159 [2]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530 5775	42 [1] 58 [1] 106 [1] 155 [1]	2	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.

Note 3: The device has disabled the 5600-5650MHz band by S/W setting.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)			
				5150~5250	5250~5350	5470~5725	5725~5850
1	WPANT101 40-S1 A	Metal	IPX/MHF	2.4			

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter
--------------------------	--------------------

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	Adapter	Brand: APX Model: PS120I1000 Power Rating: I/P: 100-240Vac, 50/60Hz, 0.5A Max O/P: 12Vdc, 1.0A, 12W Power Line: 6.06m non-shielded without core
2	Meeting Owl Pro	Brand: OWLLabs™ Model: MTW200

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	134	5670
64	5320	151	5755
100	5500	159	5795
104	5520	VHT80	
108	5540	42	5210
112	5560	58	5290
116	5580	106	5530
132	5660	155	5775
136	5680	---	---
140	5700	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	Qualcomm Radio Control Tool, Version: 4.0.00134.0		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	99.52%	0.02
	VHT20	99.01%	0.04
	VHT40	98.02%	0.09
	VHT80	94.85%	0.23

1.1.7 Power Index of Test Tool

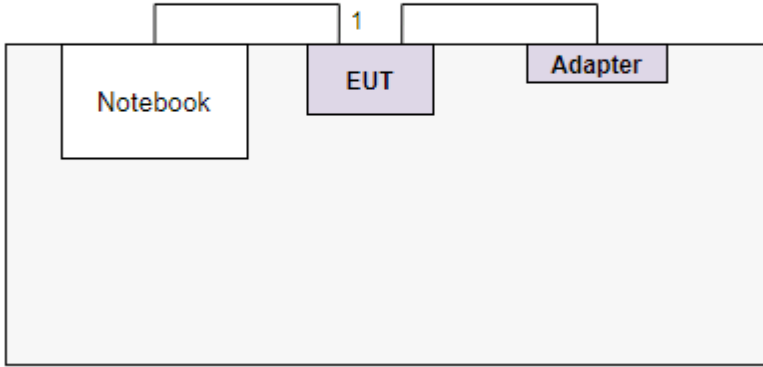
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	17.5
11a	5200	18
11a	5240	18
11a	5260	18
11a	5300	18
11a	5320	17.5
11a	5500	16.5
11a	5580	17.5
11a	5700	15.5
11a	5745	17.5
11a	5785	17.5
11a	5825	17.5
VHT20	5180	17
VHT20	5200	18
VHT20	5240	18
VHT20	5260	18
VHT20	5300	18
VHT20	5320	17.5
VHT20	5500	16.5
VHT20	5580	17.5
VHT20	5700	15.5
VHT20	5745	17.5
VHT20	5785	17.5
VHT20	5825	17.5

Modulation Mode	Test Frequency (MHz)	Power Index
VHT40	5190	13
VHT40	5230	14.5
VHT40	5270	14.5
VHT40	5310	13
VHT40	5510	13
VHT40	5550	14.5
VHT40	5670	14.5
VHT40	5755	15
VHT40	5795	15
VHT80	5210	12
VHT80	5290	12
VHT80	5530	12
VHT80	5775	15

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude 5400	DoC	---

1.3 Test Setup Chart

Test Setup Diagram	
Kept in control area  <pre> graph LR Notebook[Notebook] --- 1[1] --- EUT[EUT] EUT --- Adapter[Adapter] </pre>	
No.	Signal cable / Length (m)
1	Type C, 1.8m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
LISN	R&S	ENV216	101579	Mar. 12, 2020	Mar. 11, 2021
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 21, 2020	Oct. 20, 2021
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 chamber 3 / (03CH03-WS)				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 30, 2020	Apr. 29, 2021
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 29, 2020	Apr. 28, 2021
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 22, 2020	Dec. 21, 2021
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 06, 2020	Nov. 05, 2021
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2020	Nov. 16, 2021
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 06, 2020	Oct. 05, 2021
Preamplifier	EMC	EMC02325	980187	Aug. 05, 2020	Aug. 04, 2021
Preamplifier	Agilent	83017A	MY39501309	Sep. 02, 2020	Sep. 01, 2021
Preamplifier	EMC	EMC184045B	980192	Jul. 21, 2020	Jul. 20, 2021
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 26, 2020	Sep. 25, 2021
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 26, 2020	Sep. 25, 2021
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Sep. 26, 2020	Sep. 25, 2021
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 26, 2020	Sep. 25, 2021
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 26, 2020	Sep. 25, 2021
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 26, 2020	Sep. 25, 2021
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)				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 30, 2020	Apr. 29, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 04, 2020	Dec. 03, 2021
Measurement Software	--	SENSE-15247_DTS	V5.10.7	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 662911 D01 Multiple Transmitter Output v02r01

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	± 3.96 dB
Radiated emission > 1 GHz	± 4.51 dB
Time	$\pm 0.1\%$
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	CO01-WS, TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.
Test Site	03CH03-WS
Address of Test Site	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
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	6 Mbps	---
	HT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	HT40	5190 / 5230 / 5270 / 5310 / 5510 5550 / 5670	MCS 0	
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5550 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530	MCS 0	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	6 Mbps	---
	VHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700	MCS 0	
	VHT40	5190 / 5230 / 5270 / 5310 / 5510 5550 / 5670	MCS 0	
	VHT80	5210 / 5290 / 5530	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.				

Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Emissions	VHT20	5785	MCS 0	---
Radiated Emissions ≤ 1 GHz	VHT20	5785	MCS 0	---
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 > 1 GHz 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	---	---
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.				

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

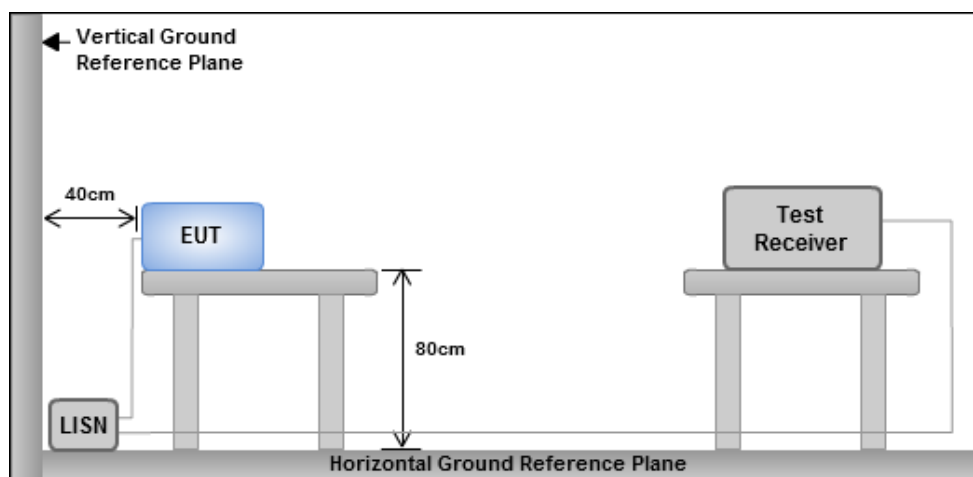
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.1.2 Test Procedures

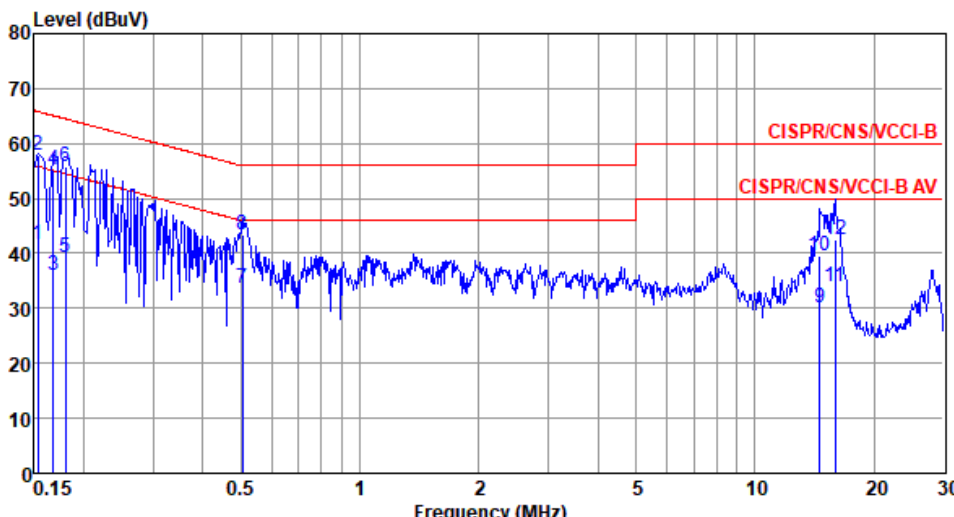
1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels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

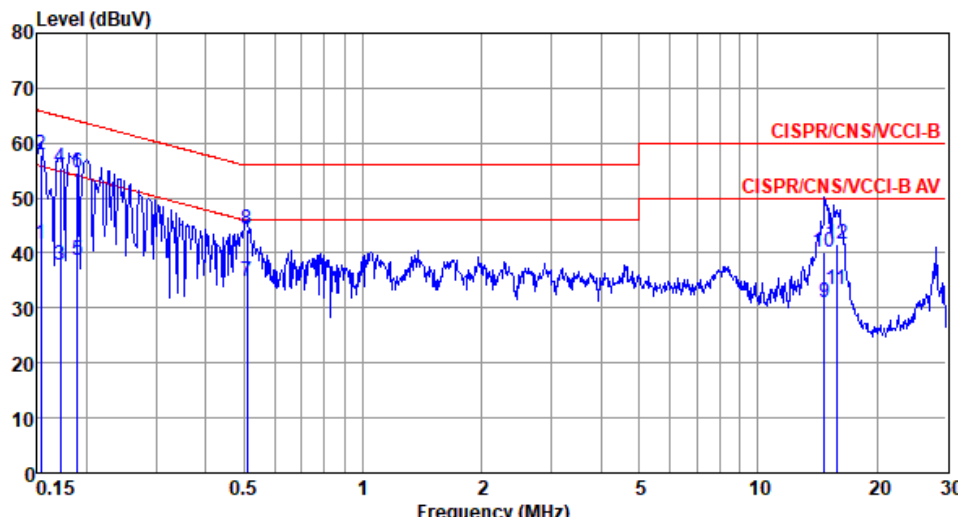


- Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

Modulation	11a	Test Freq. (MHz)	5260																																																																																																																					
Power Phase	Line																																																																																																																							
Test by : Alex Tsai Temperature: 22°C Humidity: 61%																																																																																																																								
Level (dBuV)  <table><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>Factor dB</th><th>Cable loss dB</th><th>Remark</th></tr><tr><td>1</td><td>0.153</td><td>41.55</td><td>55.82</td><td>-14.27</td><td>31.69</td><td>9.81</td><td>0.05</td><td>Average</td></tr><tr><td>2*</td><td>0.153</td><td>57.88</td><td>65.82</td><td>-7.94</td><td>48.02</td><td>9.81</td><td>0.05</td><td>QP</td></tr><tr><td>3</td><td>0.168</td><td>36.08</td><td>55.08</td><td>-19.00</td><td>26.22</td><td>9.81</td><td>0.05</td><td>Average</td></tr><tr><td>4</td><td>0.168</td><td>55.30</td><td>65.08</td><td>-9.78</td><td>45.44</td><td>9.81</td><td>0.05</td><td>QP</td></tr><tr><td>5</td><td>0.180</td><td>39.38</td><td>54.50</td><td>-15.12</td><td>29.50</td><td>9.82</td><td>0.06</td><td>Average</td></tr><tr><td>6</td><td>0.180</td><td>55.86</td><td>64.50</td><td>-8.64</td><td>45.98</td><td>9.82</td><td>0.06</td><td>QP</td></tr><tr><td>7</td><td>0.505</td><td>33.75</td><td>46.00</td><td>-12.25</td><td>23.76</td><td>9.90</td><td>0.09</td><td>Average</td></tr><tr><td>8</td><td>0.505</td><td>43.39</td><td>56.00</td><td>-12.61</td><td>33.40</td><td>9.90</td><td>0.09</td><td>QP</td></tr><tr><td>9</td><td>14.594</td><td>30.05</td><td>50.00</td><td>-19.95</td><td>19.28</td><td>10.18</td><td>0.59</td><td>Average</td></tr><tr><td>10</td><td>14.594</td><td>39.66</td><td>60.00</td><td>-20.34</td><td>28.89</td><td>10.18</td><td>0.59</td><td>QP</td></tr><tr><td>11</td><td>15.970</td><td>33.88</td><td>50.00</td><td>-16.12</td><td>23.05</td><td>10.21</td><td>0.62</td><td>Average</td></tr><tr><td>12</td><td>15.970</td><td>42.44</td><td>60.00</td><td>-17.56</td><td>31.61</td><td>10.21</td><td>0.62</td><td>QP</td></tr></table> Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (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	Remark	1	0.153	41.55	55.82	-14.27	31.69	9.81	0.05	Average	2*	0.153	57.88	65.82	-7.94	48.02	9.81	0.05	QP	3	0.168	36.08	55.08	-19.00	26.22	9.81	0.05	Average	4	0.168	55.30	65.08	-9.78	45.44	9.81	0.05	QP	5	0.180	39.38	54.50	-15.12	29.50	9.82	0.06	Average	6	0.180	55.86	64.50	-8.64	45.98	9.82	0.06	QP	7	0.505	33.75	46.00	-12.25	23.76	9.90	0.09	Average	8	0.505	43.39	56.00	-12.61	33.40	9.90	0.09	QP	9	14.594	30.05	50.00	-19.95	19.28	10.18	0.59	Average	10	14.594	39.66	60.00	-20.34	28.89	10.18	0.59	QP	11	15.970	33.88	50.00	-16.12	23.05	10.21	0.62	Average	12	15.970	42.44	60.00	-17.56	31.61	10.21	0.62	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Remark																																																																																																																
1	0.153	41.55	55.82	-14.27	31.69	9.81	0.05	Average																																																																																																																
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5	0.180	39.38	54.50	-15.12	29.50	9.82	0.06	Average																																																																																																																
6	0.180	55.86	64.50	-8.64	45.98	9.82	0.06	QP																																																																																																																
7	0.505	33.75	46.00	-12.25	23.76	9.90	0.09	Average																																																																																																																
8	0.505	43.39	56.00	-12.61	33.40	9.90	0.09	QP																																																																																																																
9	14.594	30.05	50.00	-19.95	19.28	10.18	0.59	Average																																																																																																																
10	14.594	39.66	60.00	-20.34	28.89	10.18	0.59	QP																																																																																																																
11	15.970	33.88	50.00	-16.12	23.05	10.21	0.62	Average																																																																																																																
12	15.970	42.44	60.00	-17.56	31.61	10.21	0.62	QP																																																																																																																

Modulation	11a	Test Freq. (MHz)	5260																																																																																																																																							
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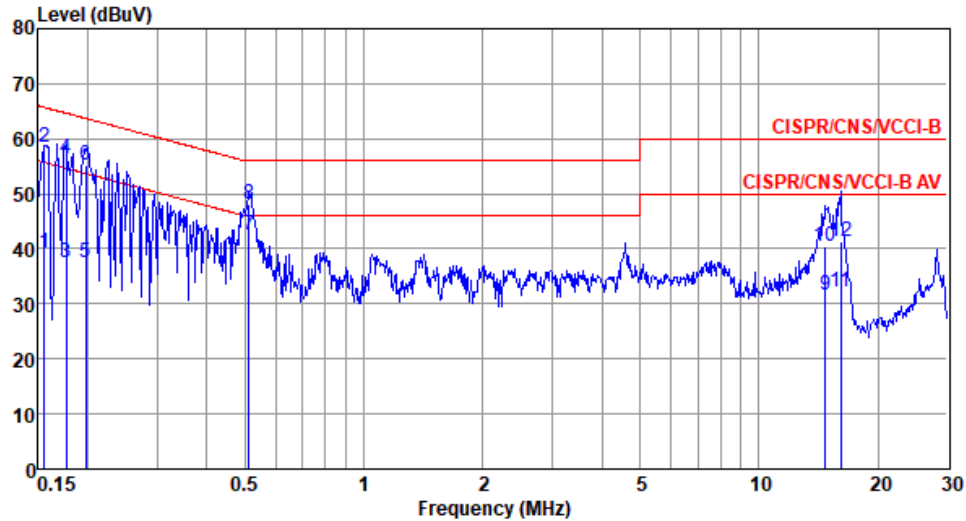
Modulation	VHT20	Test Freq. (MHz)	5785																																																																																																																					
Power Phase	Line																																																																																																																							
Test by : Alex Tsai Temperature: 22°C Humidity: 61%																																																																																																																								
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Modulation	VHT20	Test Freq. (MHz)	5785
Power Phase	Neutral		

Test by : Alex Tsai

Temperature: 22°C

Humidity: 61%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Remark
1	0.156	39.32	55.69	-16.37	29.48	9.79	0.05	Average
2	0.156	58.37	65.69	-7.32	48.53	9.79	0.05	QP
3	0.177	37.48	54.64	-17.16	27.62	9.80	0.06	Average
4	0.177	56.24	64.64	-8.40	46.38	9.80	0.06	QP
5	0.198	37.38	53.71	-16.33	27.52	9.80	0.06	Average
6	0.198	55.24	63.71	-8.47	45.38	9.80	0.06	QP
7*	0.513	42.44	46.00	-3.56	32.51	9.84	0.09	Average
8	0.513	48.17	56.00	-7.83	38.24	9.84	0.09	QP
9	14.750	31.65	50.00	-18.35	20.90	10.16	0.59	Average
10	14.750	40.33	60.00	-19.67	29.58	10.16	0.59	QP
11	16.140	32.05	50.00	-17.95	21.23	10.20	0.62	Average
12	16.140	41.44	60.00	-18.56	30.62	10.20	0.62	QP

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

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

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.

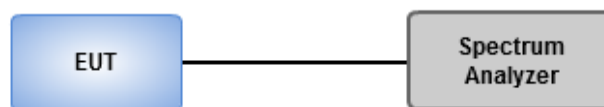
Occupied Bandwidth

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	20~22°C / 63~66%	Tested By	Brad Wu
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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)_2TX	29.058M	16.715M	16M7D1D	21.304M	16.498M
802.11ac VHT20_Nss1,(MCS0)_2TX	27.609M	17.873M	17M9D1D	22.464M	17.728M
802.11ac VHT40_Nss1,(MCS0)_2TX	41.304M	36.324M	36M3D1D	40.435M	36.035M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.478M	75.543M	75M5D1D	83.188M	75.543M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.652M	16.787M	16M8D1D	21.667M	16.425M
802.11ac VHT20_Nss1,(MCS0)_2TX	32.029M	17.8M	17M8D1D	22.319M	17.583M
802.11ac VHT40_Nss1,(MCS0)_2TX	41.449M	36.324M	36M3D1D	40.58M	36.179M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.478M	75.543M	75M5D1D	82.899M	75.543M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	30M	17.366M	17M4D1D	21.159M	16.425M
802.11ac VHT20_Nss1,(MCS0)_2TX	29.203M	18.017M	18M0D1D	22.101M	17.656M
802.11ac VHT40_Nss1,(MCS0)_2TX	41.304M	36.324M	36M3D1D	40.58M	36.179M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.478M	75.832M	75M8D1D	82.609M	75.543M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.304M	16.643M	16M6D1D	15.145M	16.498M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.536M	17.8M	17M8D1D	15.217M	17.656M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.362M	36.324M	36M3D1D	34.493M	36.179M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.362M	75.832M	75M8D1D	75.362M	75.543M

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)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	28.841M	16.715M	27.971M	16.715M
5200MHz	Pass	Inf	26.014M	16.498M	29.058M	16.715M
5240MHz	Pass	Inf	21.304M	16.498M	23.768M	16.643M
5260MHz	Pass	Inf	22.826M	16.57M	22.971M	16.57M
5300MHz	Pass	Inf	23.406M	16.57M	25.652M	16.787M
5320MHz	Pass	Inf	21.667M	16.425M	22.029M	16.498M
5500MHz	Pass	Inf	22.826M	16.57M	21.159M	16.498M
5580MHz	Pass	Inf	30M	16.86M	28.478M	17.366M
5700MHz	Pass	Inf	22.029M	16.425M	21.304M	16.498M
5745MHz	Pass	500k	16.304M	16.498M	16.304M	16.57M
5785MHz	Pass	500k	15.29M	16.643M	15.29M	16.643M
5825MHz	Pass	500k	15.145M	16.57M	16.014M	16.643M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.464M	17.728M	22.464M	17.728M
5200MHz	Pass	Inf	23.333M	17.728M	27.609M	17.873M
5240MHz	Pass	Inf	22.681M	17.728M	26.594M	17.8M
5260MHz	Pass	Inf	23.623M	17.583M	27.609M	17.8M
5300MHz	Pass	Inf	24.565M	17.728M	32.029M	17.8M
5320MHz	Pass	Inf	23.261M	17.656M	22.319M	17.8M
5500MHz	Pass	Inf	23.696M	17.8M	23.043M	17.728M
5580MHz	Pass	Inf	29.203M	17.873M	28.841M	18.017M
5700MHz	Pass	Inf	22.101M	17.728M	22.609M	17.656M
5745MHz	Pass	500k	15.217M	17.656M	15.362M	17.8M
5785MHz	Pass	500k	16.957M	17.8M	17.536M	17.8M
5825MHz	Pass	500k	16.522M	17.8M	17.536M	17.8M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.304M	36.179M	40.58M	36.035M
5230MHz	Pass	Inf	41.014M	36.179M	40.435M	36.324M
5270MHz	Pass	Inf	40.87M	36.179M	40.725M	36.179M
5310MHz	Pass	Inf	41.449M	36.324M	40.58M	36.179M
5510MHz	Pass	Inf	40.725M	36.179M	40.725M	36.324M
5550MHz	Pass	Inf	41.014M	36.324M	41.159M	36.324M
5670MHz	Pass	Inf	41.304M	36.179M	40.58M	36.179M
5755MHz	Pass	500k	35.217M	36.179M	35.072M	36.179M
5795MHz	Pass	500k	35.362M	36.324M	34.493M	36.179M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5210MHz	Pass	Inf	83.478M	75.543M	83.188M	75.543M
5290MHz	Pass	Inf	83.478M	75.543M	82.899M	75.543M
5530MHz	Pass	Inf	82.609M	75.543M	83.478M	75.832M
5775MHz	Pass	500k	75.362M	75.832M	75.362M	75.543M

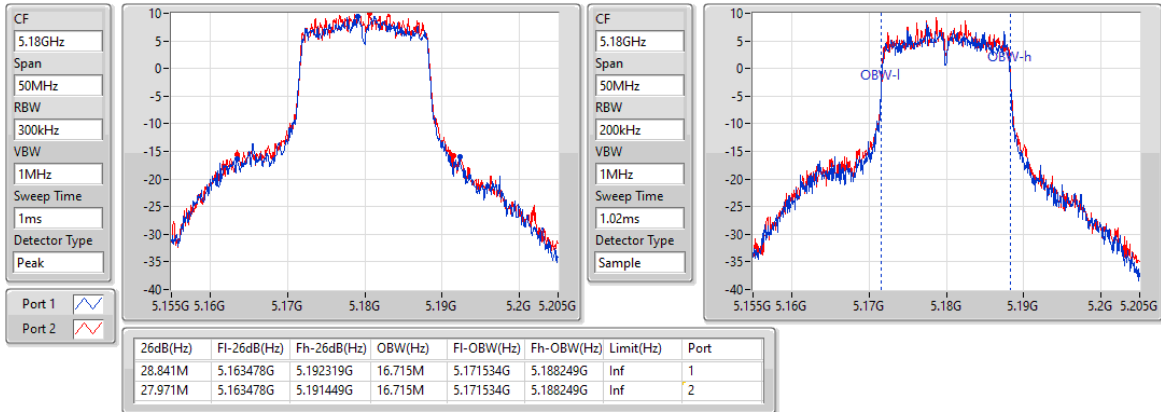
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11a_Nss1,(6Mbps)_2TX

EBW

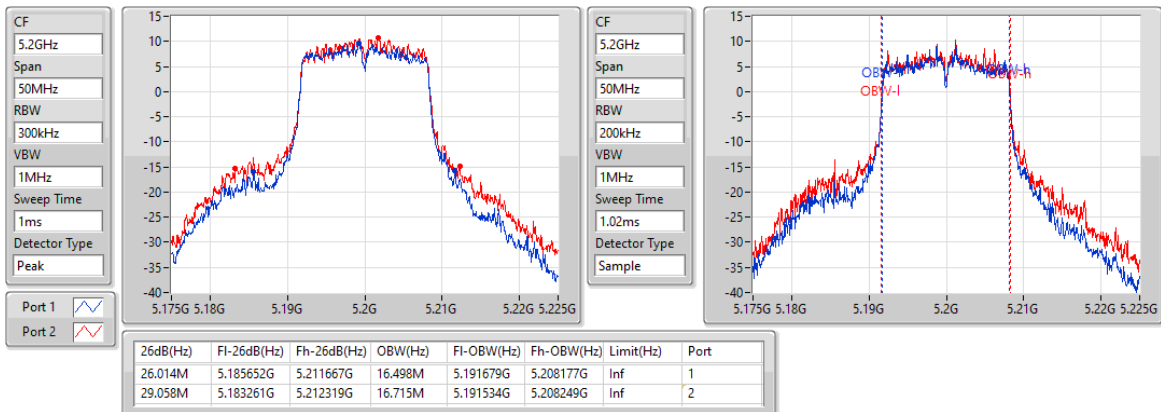
5180MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

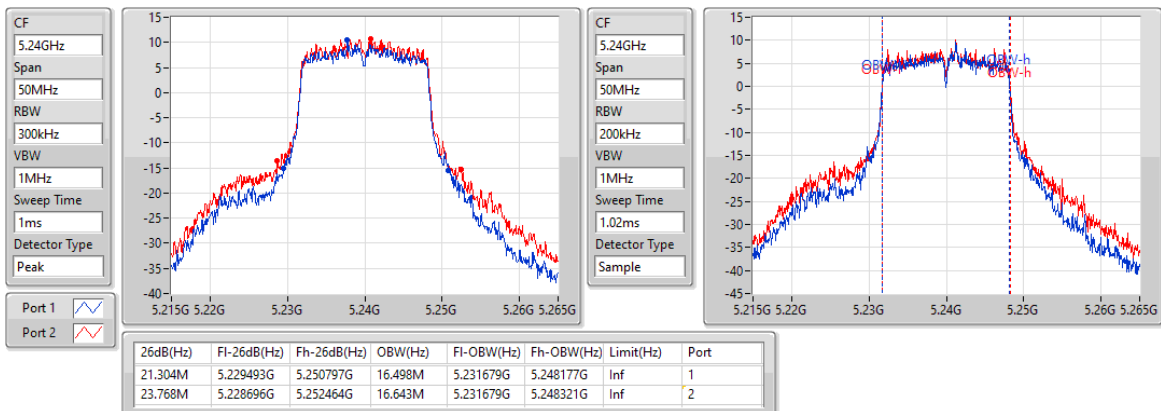
5200MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

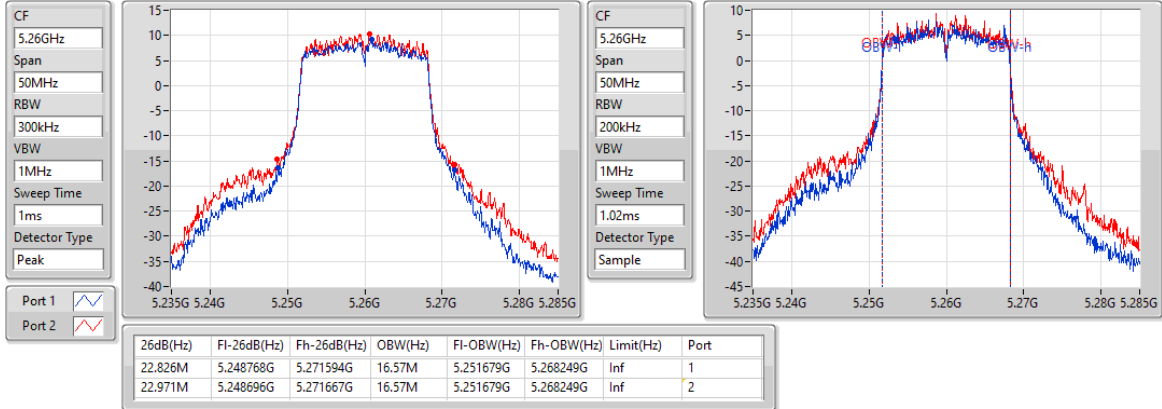
5240MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

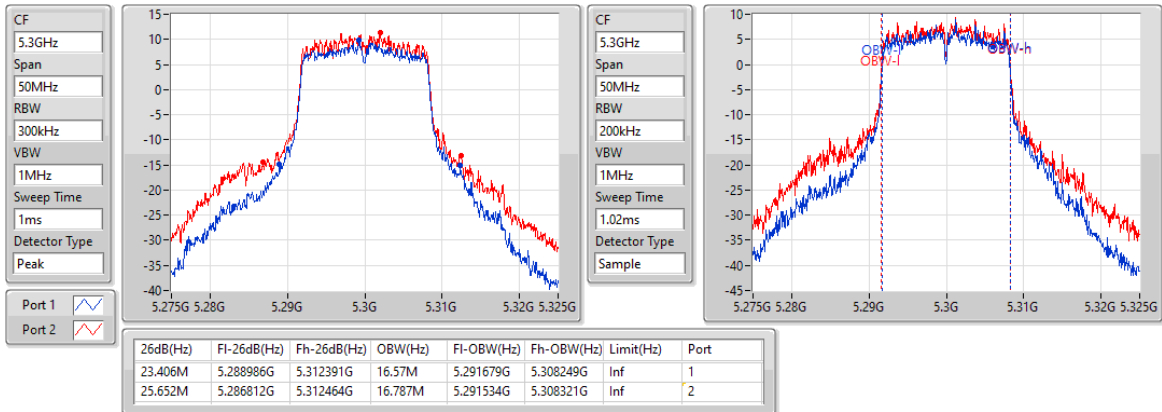
5260MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

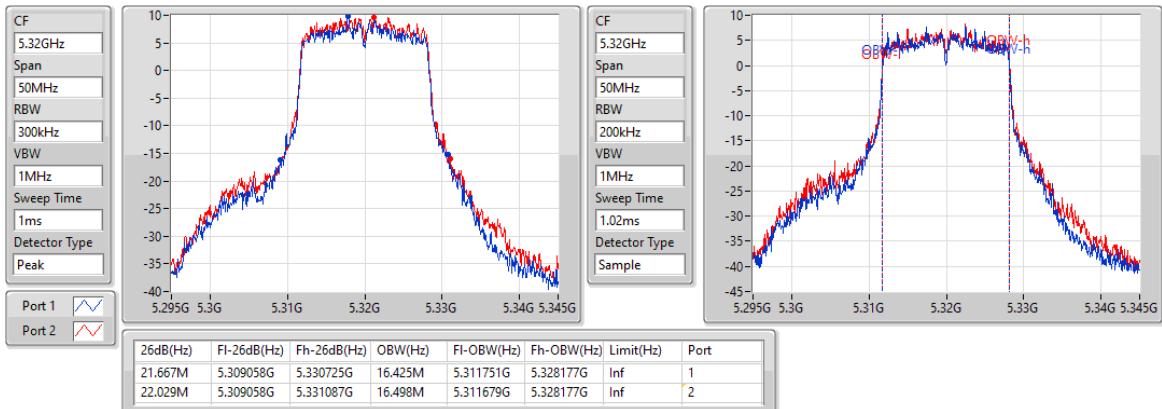
5300MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

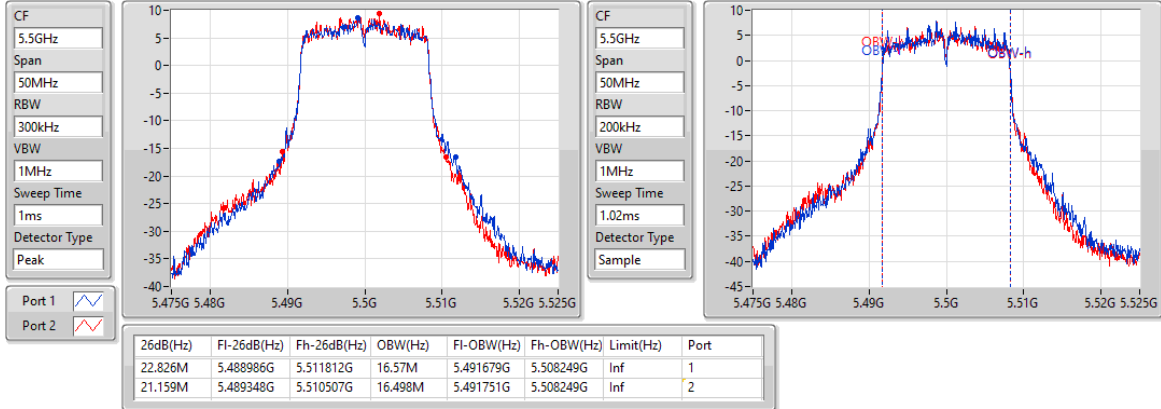
5320MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

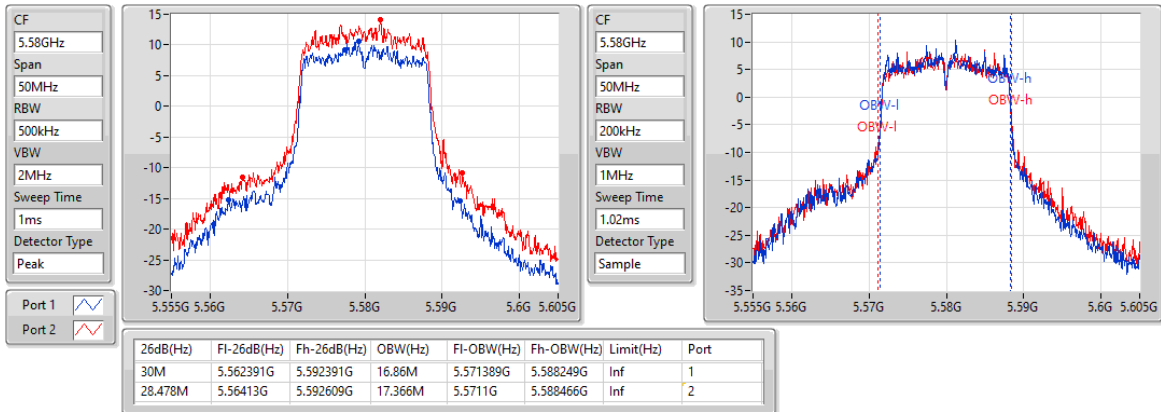
5500MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

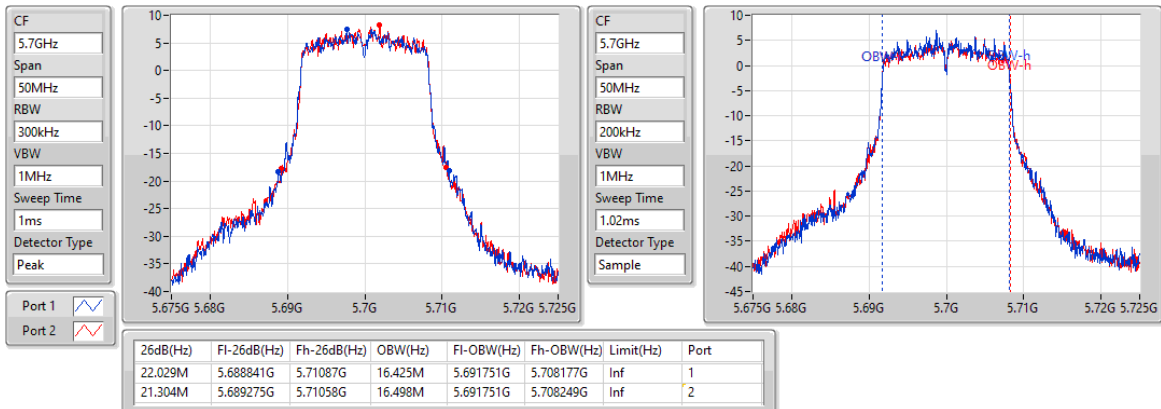
5580MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

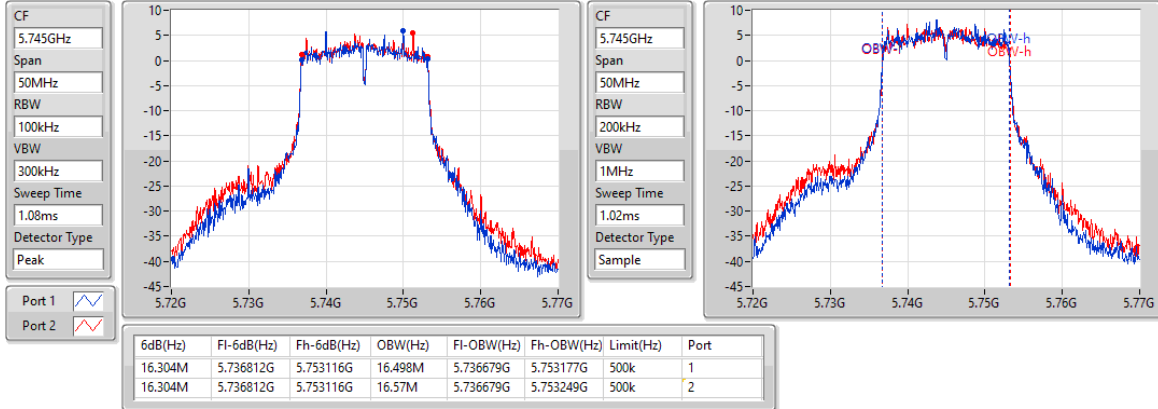
5700MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

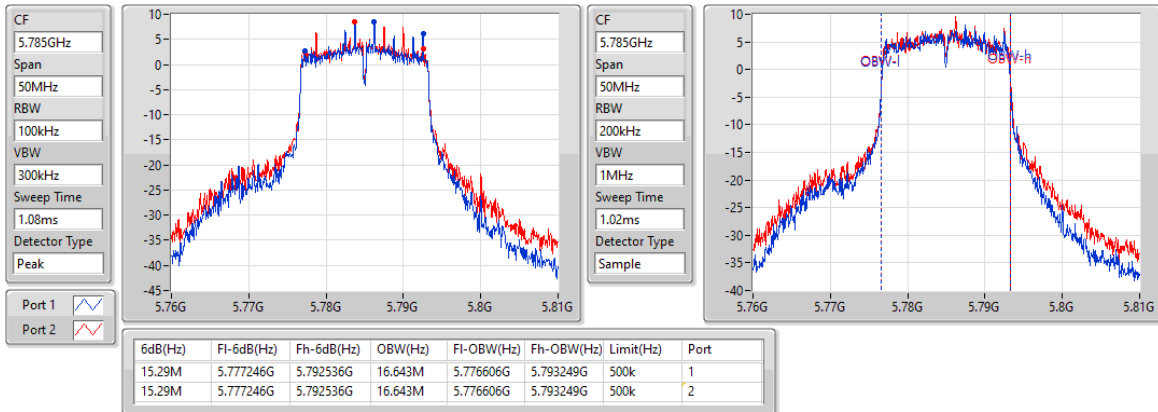
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802.11a_Nss1,(6Mbps)_2TX

EBW

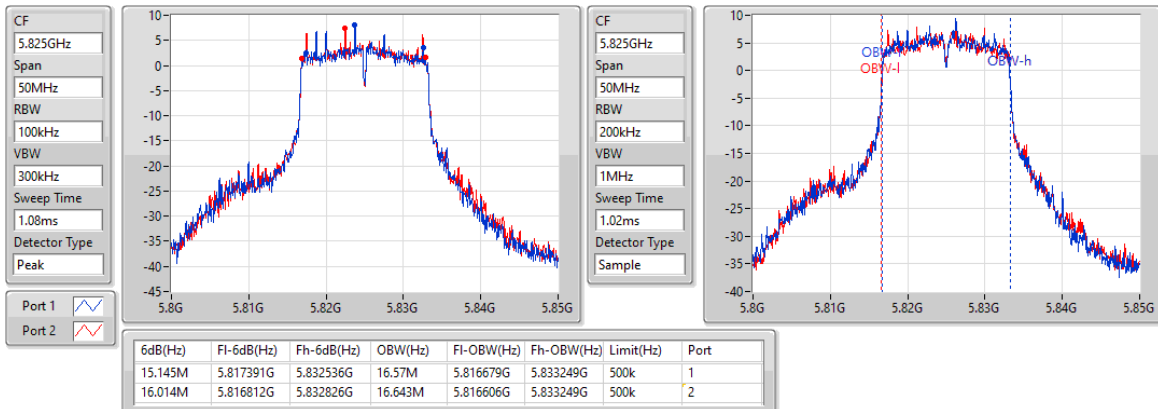
5785MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

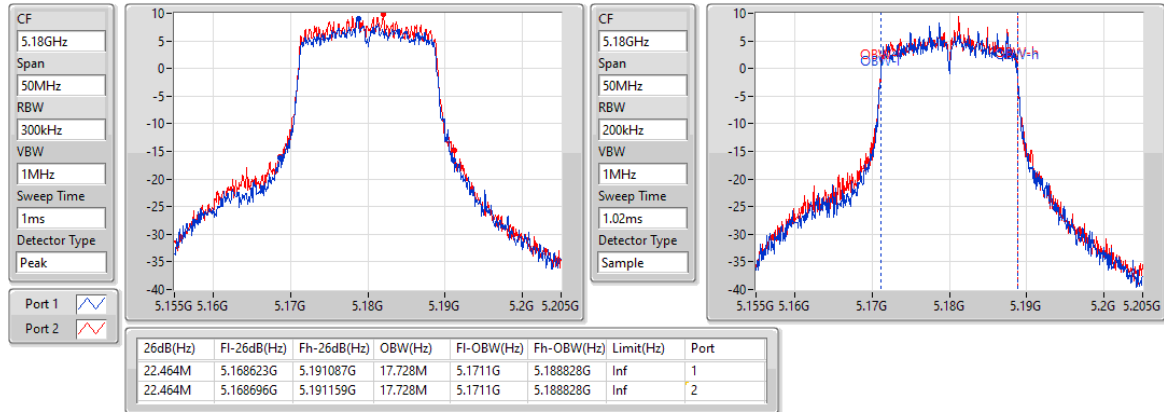
5825MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

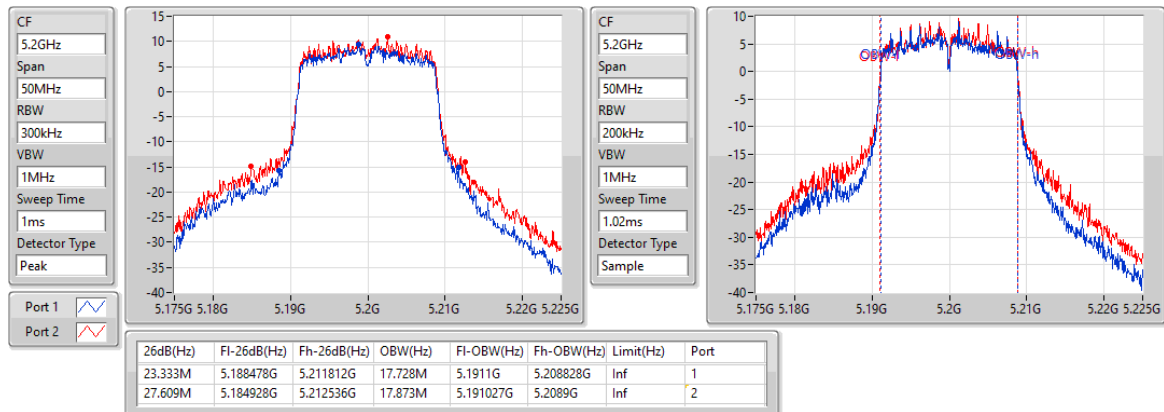
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

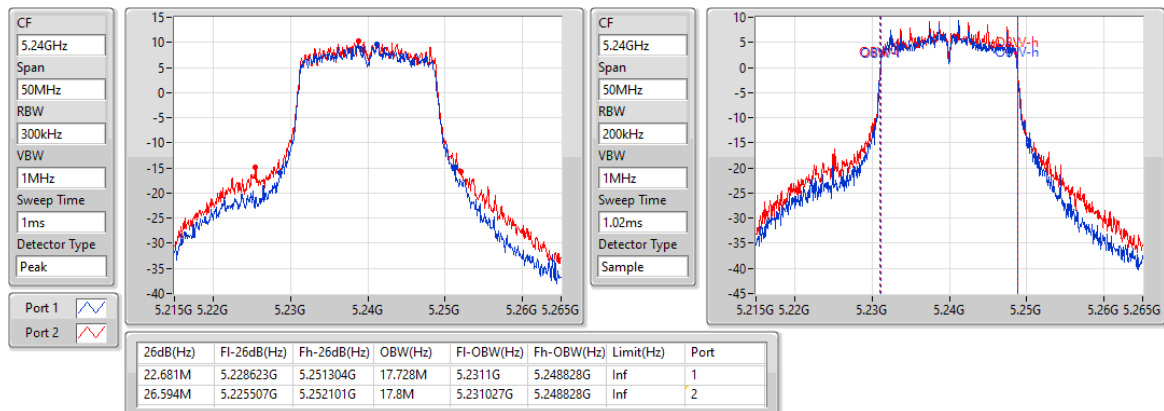
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

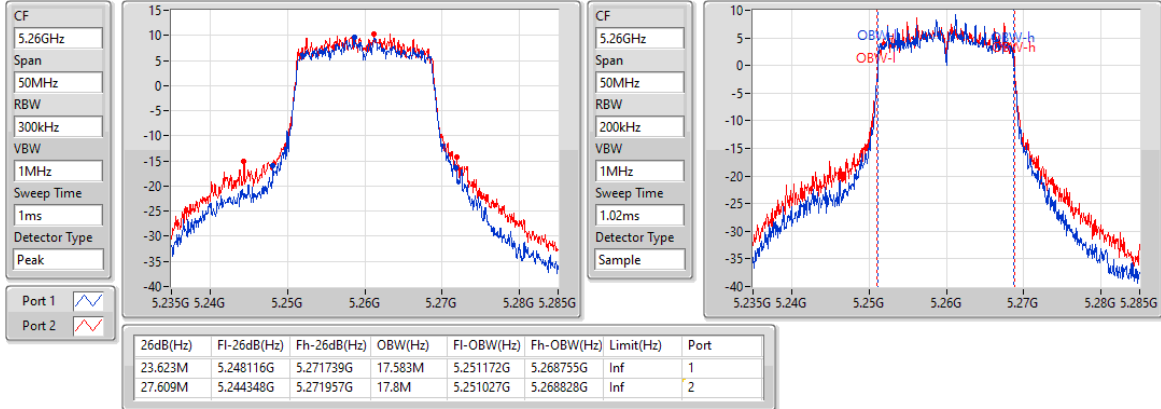
5240MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

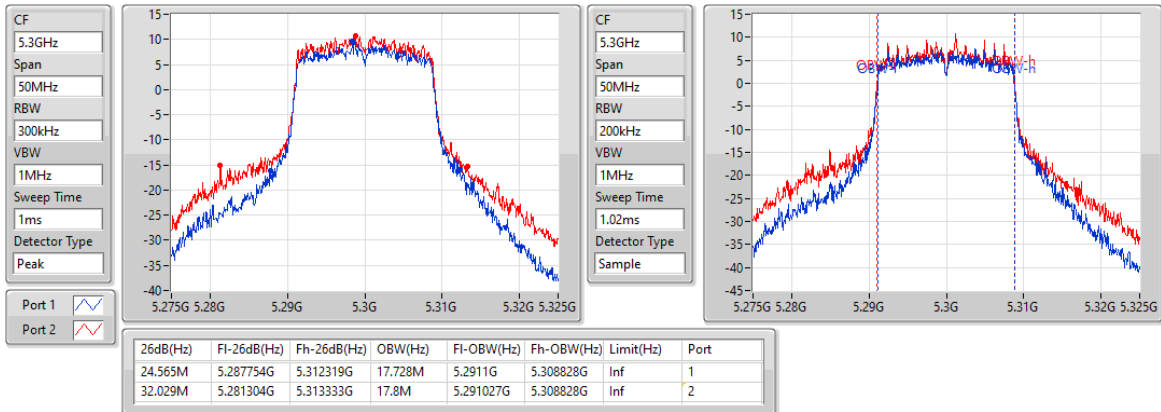
5260MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

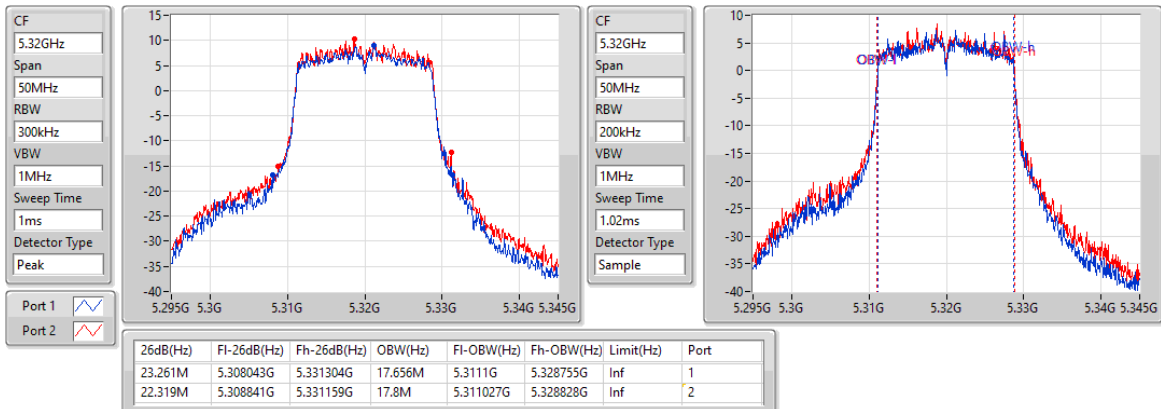
5300MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

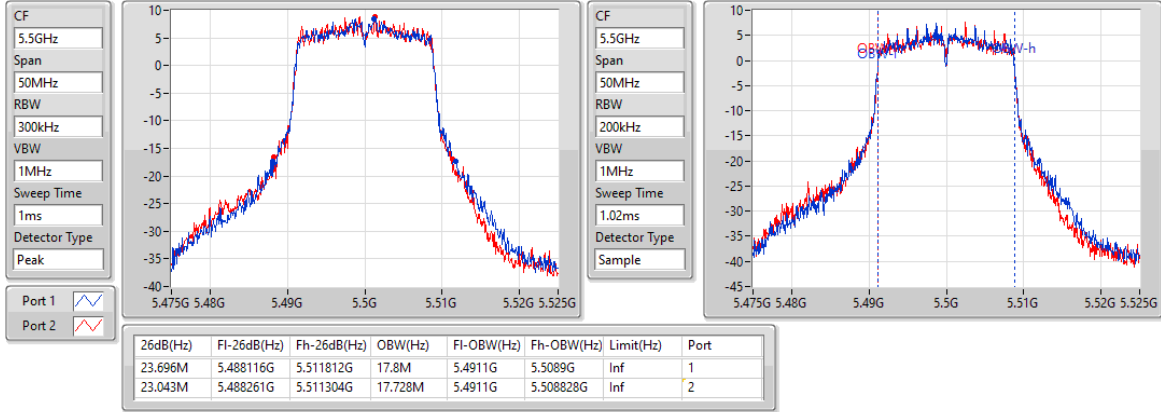
5320MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

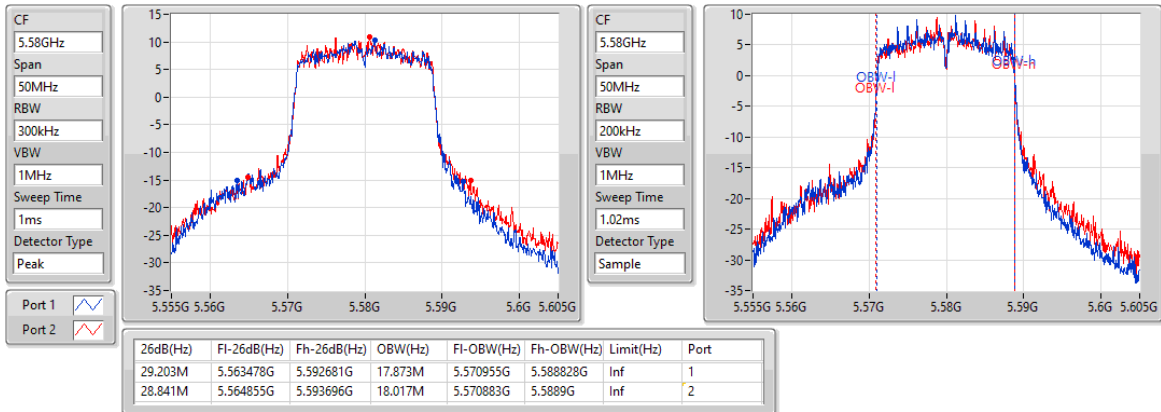
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

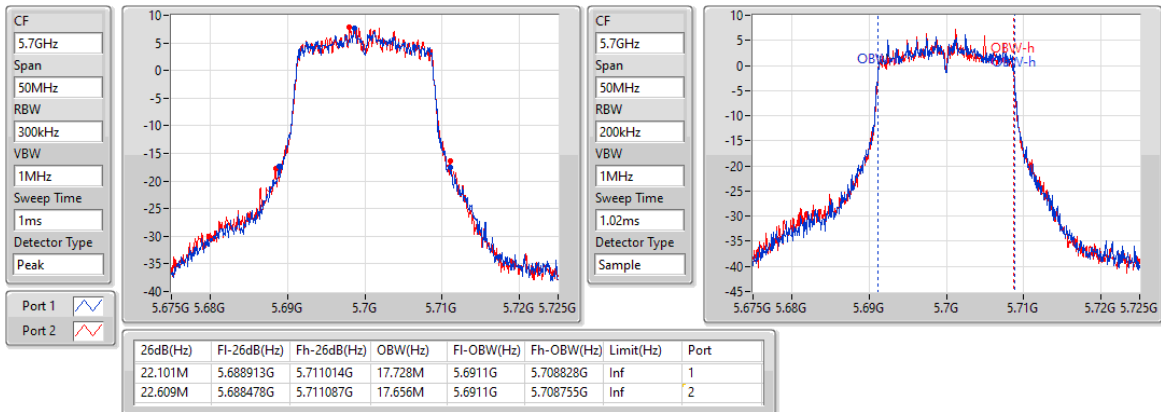
5580MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

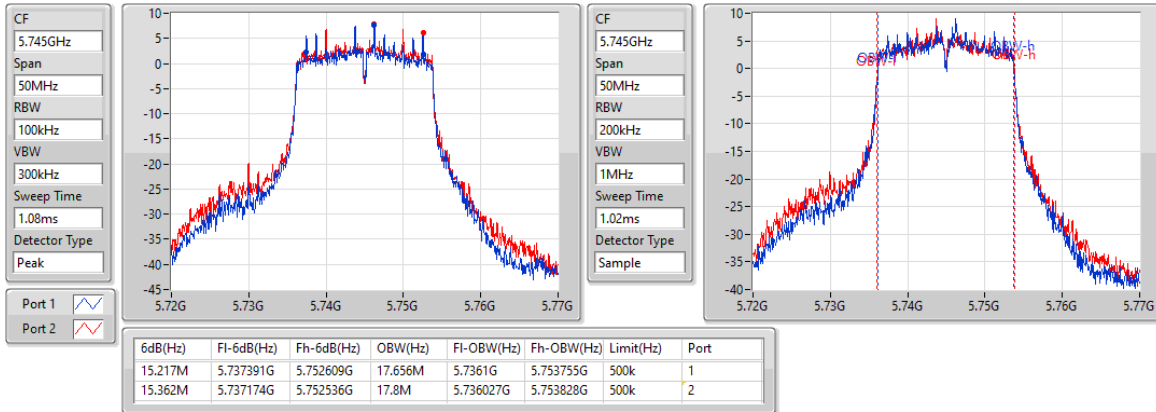
5700MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

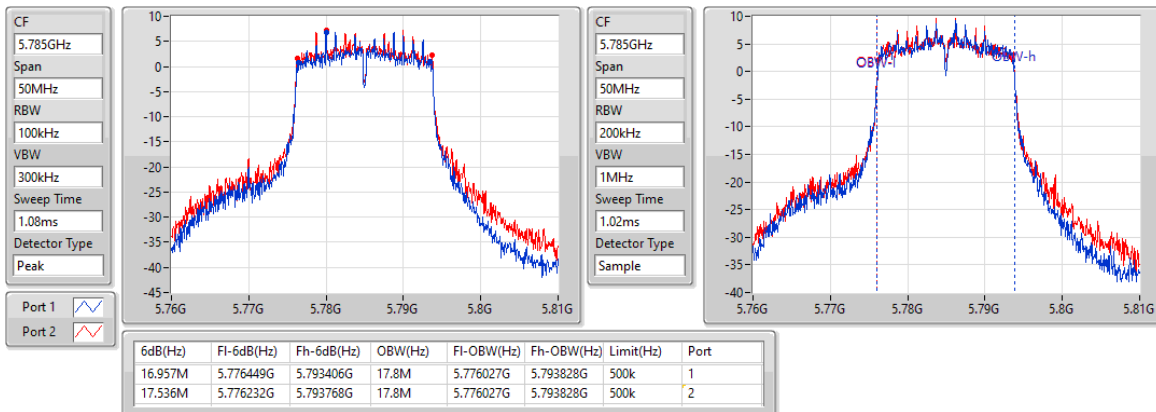
5745MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

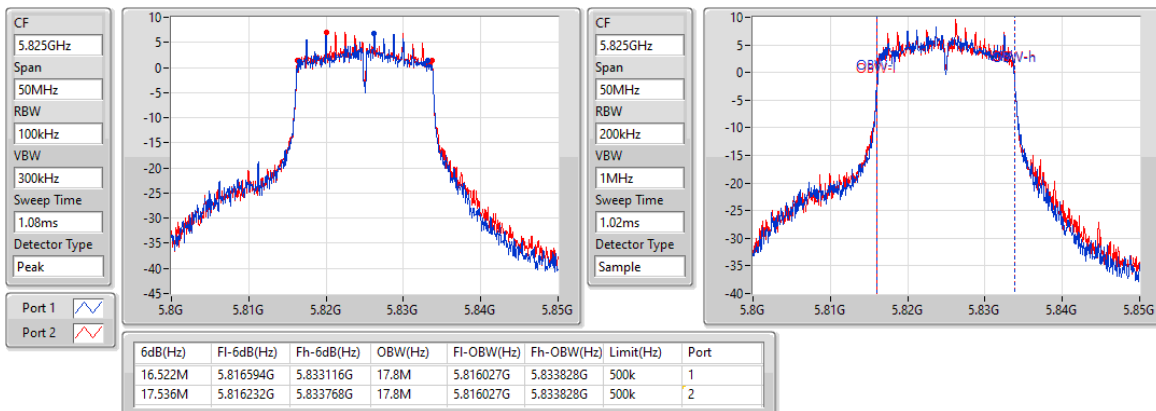
5785MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

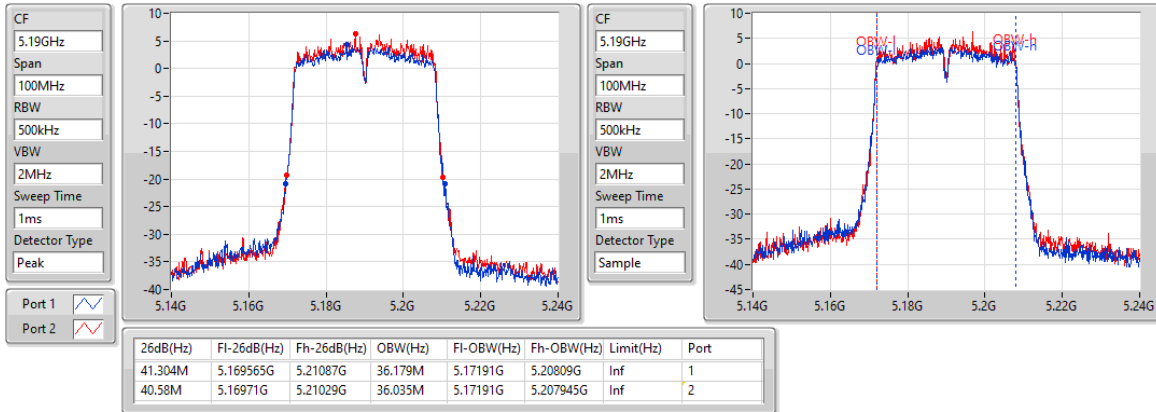
5825MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

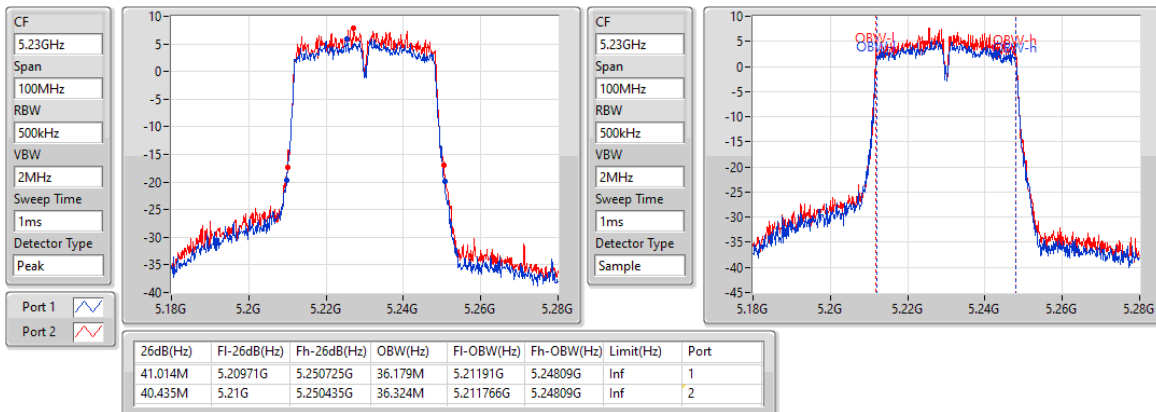
5190MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

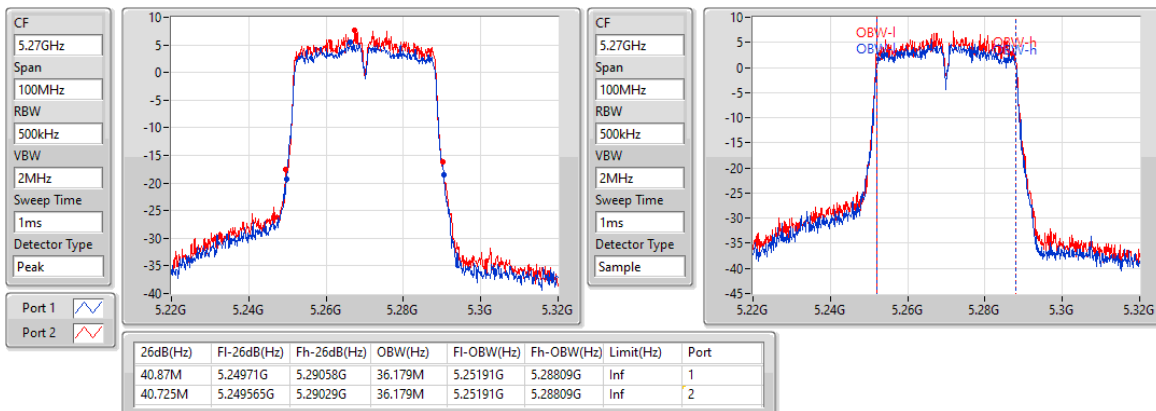
5230MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

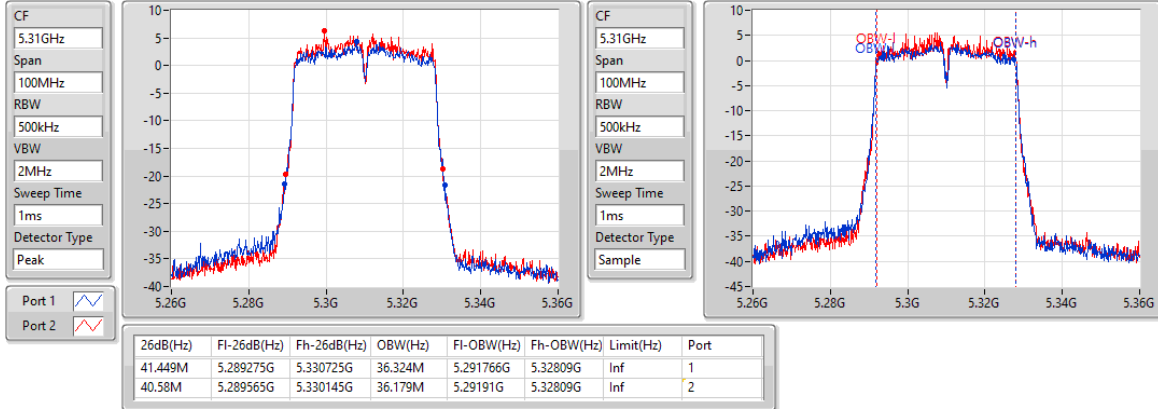
5270MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

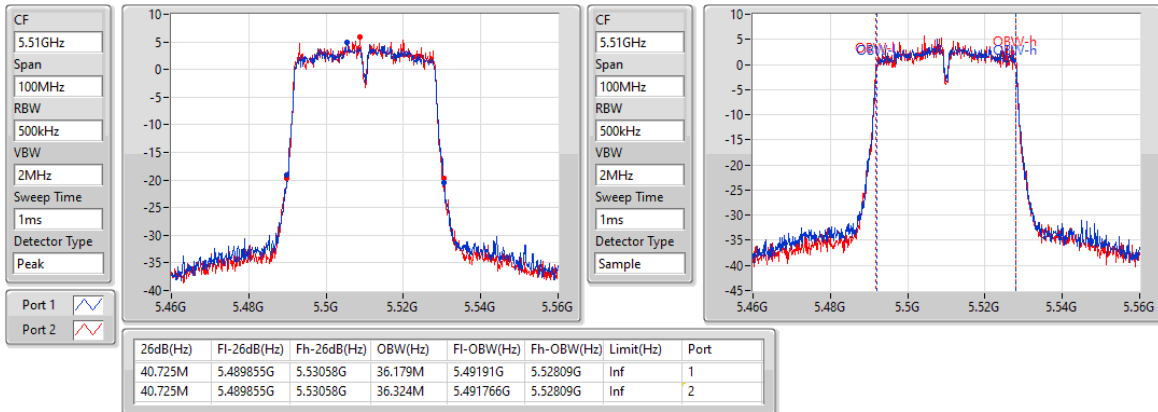
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802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

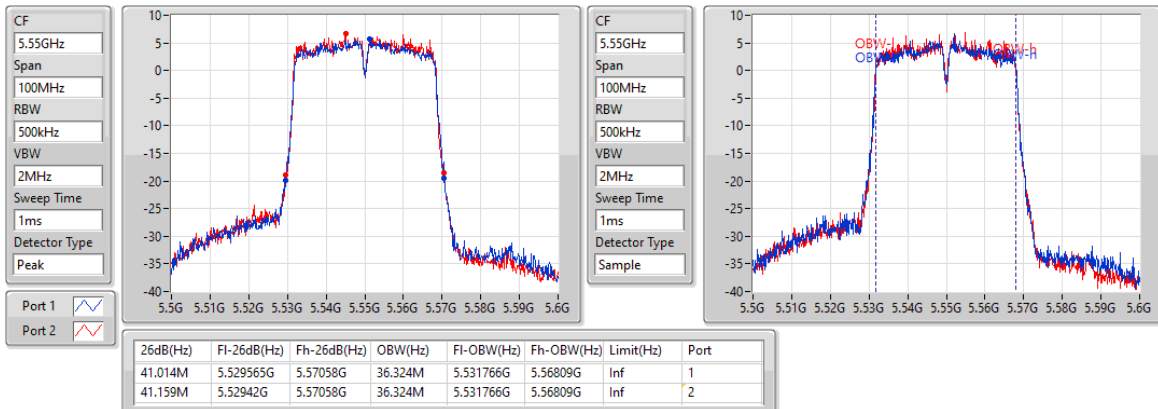
5510MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

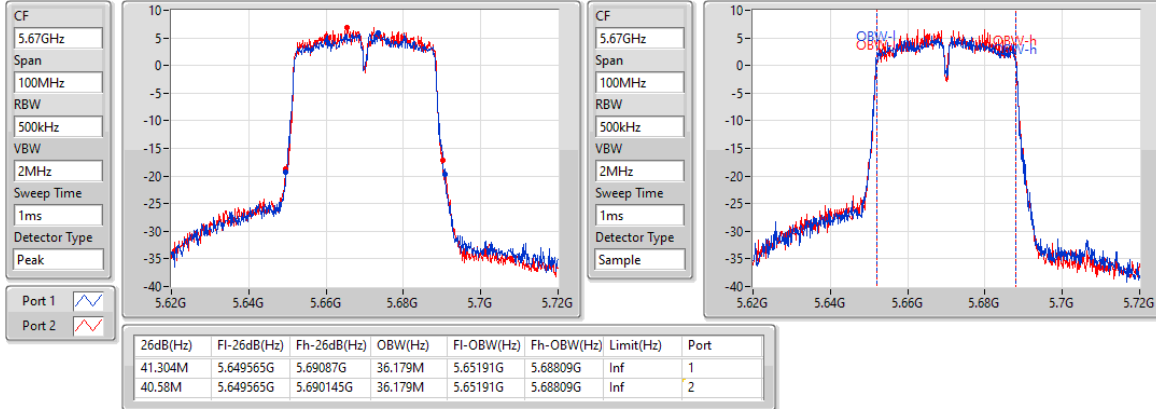
5550MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

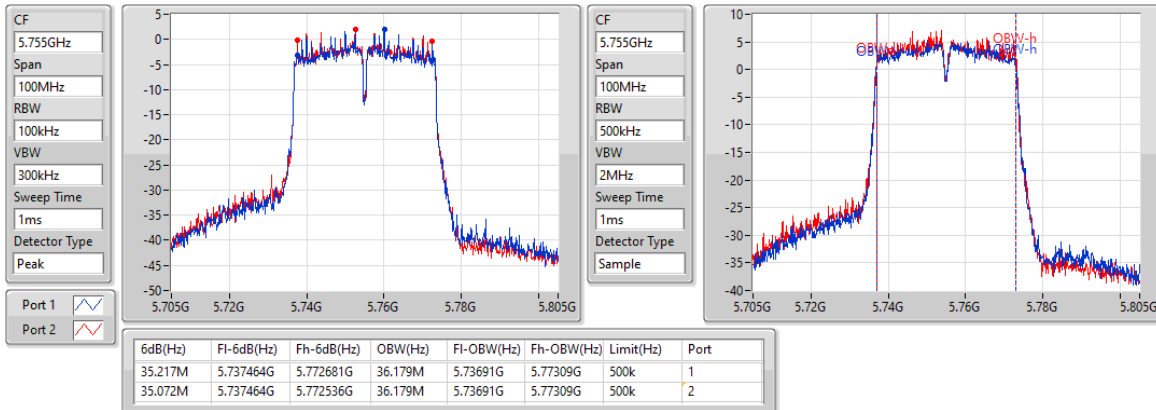
5670MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

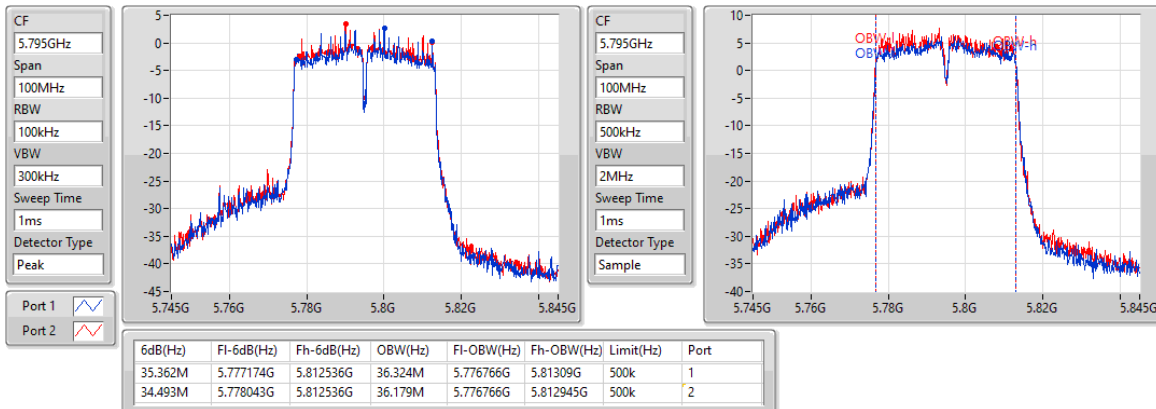
5755MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

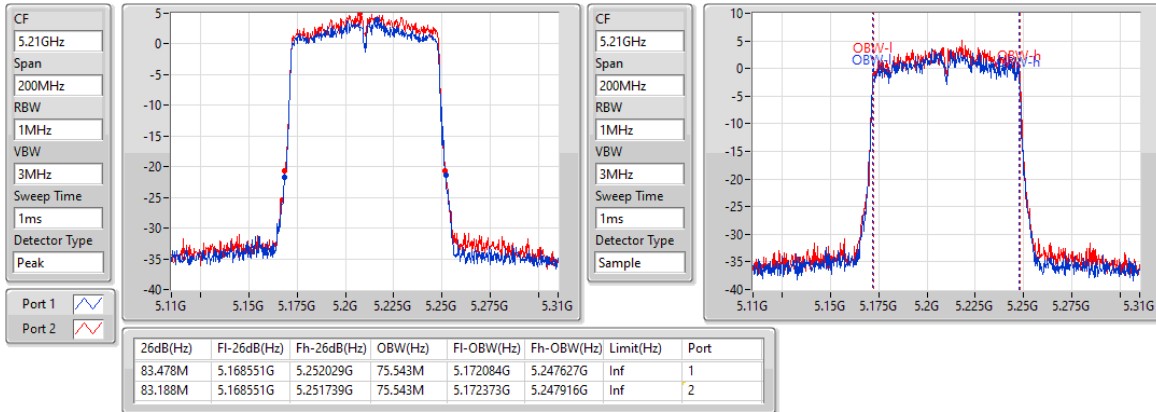
5795MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

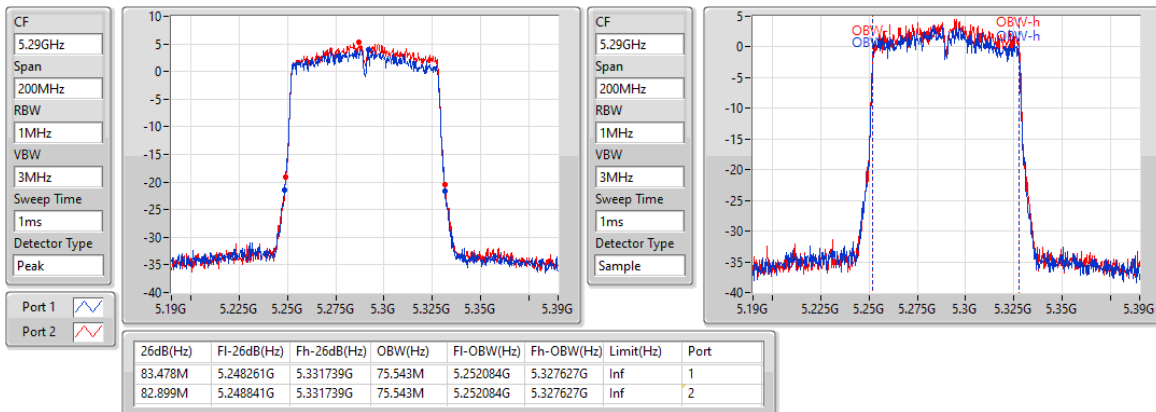
5210MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

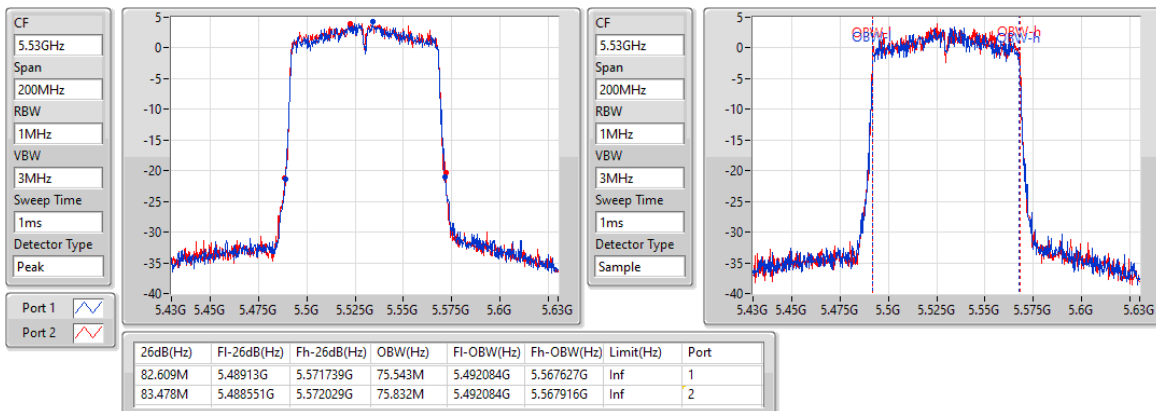
5290MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

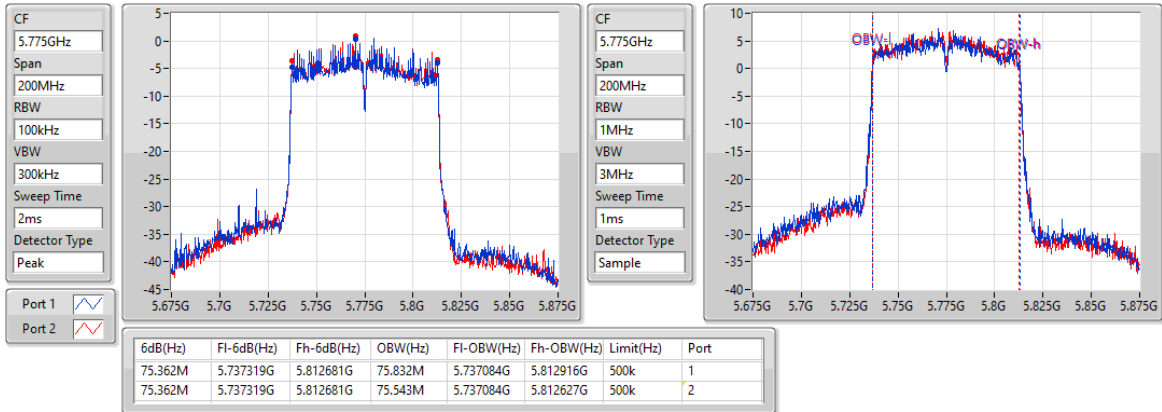
5530MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

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

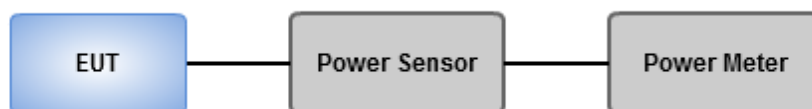
Note: "B" is the 26dB emission bandwidth in MHz.

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.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Ambient Condition	20~22°C / 63~66%	Tested By	Brad Wu
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Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.45	0.13964	23.85	0.24266
802.11ac VHT20_Nss1,(MCS0)_2TX	21.17	0.13092	23.57	0.22751
802.11ac VHT40_Nss1,(MCS0)_2TX	18.21	0.06622	20.61	0.11508
802.11ac VHT80_Nss1,(MCS0)_2TX	15.48	0.03532	17.88	0.06138
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.57	0.14355	23.97	0.24946
802.11ac VHT20_Nss1,(MCS0)_2TX	21.32	0.13552	23.72	0.23550
802.11ac VHT40_Nss1,(MCS0)_2TX	18.00	0.06310	20.40	0.10965
802.11ac VHT80_Nss1,(MCS0)_2TX	15.53	0.03573	17.93	0.06209
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.51	0.14158	23.91	0.24604
802.11ac VHT20_Nss1,(MCS0)_2TX	21.48	0.14060	23.88	0.24434
802.11ac VHT40_Nss1,(MCS0)_2TX	18.12	0.06486	20.52	0.11272
802.11ac VHT80_Nss1,(MCS0)_2TX	15.31	0.03396	17.71	0.05902
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.66	0.11641	23.06	0.20230
802.11ac VHT20_Nss1,(MCS0)_2TX	20.80	0.12023	23.20	0.20893
802.11ac VHT40_Nss1,(MCS0)_2TX	18.87	0.07709	21.27	0.13397
802.11ac VHT80_Nss1,(MCS0)_2TX	18.15	0.06531	20.55	0.11350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.40	17.51	18.29	20.93	24.00	23.33	30.00
5200MHz	Pass	2.40	17.85	18.61	21.26	24.00	23.66	30.00
5240MHz	Pass	2.40	18.02	18.83	21.45	24.00	23.85	30.00
5260MHz	Pass	2.40	18.03	19.03	21.57	24.00	23.97	30.00
5300MHz	Pass	2.40	17.85	18.89	21.41	24.00	23.81	30.00
5320MHz	Pass	2.40	17.05	18.02	20.57	24.00	22.97	30.00
5500MHz	Pass	2.40	16.81	16.99	19.91	24.00	22.31	30.00
5580MHz	Pass	2.40	18.41	18.58	21.51	24.00	23.91	30.00
5700MHz	Pass	2.40	15.68	15.35	18.53	24.00	20.93	30.00
5745MHz	Pass	2.40	17.43	17.52	20.49	30.00	22.89	36.00
5785MHz	Pass	2.40	17.68	17.61	20.66	30.00	23.06	36.00
5825MHz	Pass	2.40	17.72	17.56	20.65	30.00	23.05	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.40	17.02	17.75	20.41	24.00	22.81	30.00
5200MHz	Pass	2.40	17.71	18.46	21.11	24.00	23.51	30.00
5240MHz	Pass	2.40	17.77	18.51	21.17	24.00	23.57	30.00
5260MHz	Pass	2.40	17.61	18.45	21.06	24.00	23.46	30.00
5300MHz	Pass	2.40	17.74	18.81	21.32	24.00	23.72	30.00
5320MHz	Pass	2.40	17.04	17.51	20.29	24.00	22.69	30.00
5500MHz	Pass	2.40	16.73	16.78	19.77	24.00	22.17	30.00
5580MHz	Pass	2.40	18.42	18.51	21.48	24.00	23.88	30.00
5700MHz	Pass	2.40	15.55	15.26	18.42	24.00	20.82	30.00
5745MHz	Pass	2.40	17.15	17.31	20.24	30.00	22.64	36.00
5785MHz	Pass	2.40	17.62	17.96	20.80	30.00	23.20	36.00
5825MHz	Pass	2.40	17.61	17.65	20.64	30.00	23.04	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.40	13.31	13.95	16.65	24.00	19.05	30.00
5230MHz	Pass	2.40	14.81	15.56	18.21	24.00	20.61	30.00
5270MHz	Pass	2.40	14.61	15.33	18.00	24.00	20.40	30.00
5310MHz	Pass	2.40	13.31	13.69	16.51	24.00	18.91	30.00
5510MHz	Pass	2.40	13.93	13.64	16.80	24.00	19.20	30.00
5550MHz	Pass	2.40	15.04	15.11	18.09	24.00	20.49	30.00
5670MHz	Pass	2.40	15.15	15.06	18.12	24.00	20.52	30.00
5755MHz	Pass	2.40	15.18	15.19	18.20	30.00	20.60	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5795MHz	Pass	2.40	15.75	15.97	18.87	30.00	21.27	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.40	12.07	12.83	15.48	24.00	17.88	30.00
5290MHz	Pass	2.40	12.16	12.86	15.53	24.00	17.93	30.00
5530MHz	Pass	2.40	12.33	12.26	15.31	24.00	17.71	30.00
5775MHz	Pass	2.40	15.16	15.12	18.15	30.00	20.55	36.00

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

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

For 5725 ~ 5850 MHz

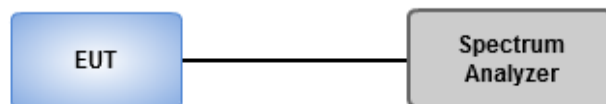
Duty cycle $\geq 98\%$

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

Duty cycle $< 98\%$

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

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Ambient Condition	20~22°C / 63~66%	Tested By	Brad Wu
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Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.52	14.93
802.11ac VHT20_Nss1,(MCS0)_2TX	9.20	14.61
802.11ac VHT40_Nss1,(MCS0)_2TX	3.10	8.51
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.83	2.58
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.59	15.00
802.11ac VHT20_Nss1,(MCS0)_2TX	9.28	14.69
802.11ac VHT40_Nss1,(MCS0)_2TX	2.82	8.23
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.76	2.65
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.65	15.06
802.11ac VHT20_Nss1,(MCS0)_2TX	9.37	14.78
802.11ac VHT40_Nss1,(MCS0)_2TX	2.78	8.19
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.17	2.24
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.47	12.88
802.11ac VHT20_Nss1,(MCS0)_2TX	7.18	12.59
802.11ac VHT40_Nss1,(MCS0)_2TX	2.42	7.83
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.60	3.81

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/R BW)	Port 2 (dBm/R BW)	PD (dBm/R BW)	PD Limit (dBm/R BW)	EIRP PD (dBm/R BW)	EIRP PD Limit (dBm/R BW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.41	5.90	6.53	9.10	11.00	14.51	17.00
5200MHz	Pass	5.41	6.09	7.19	9.52	11.00	14.93	17.00
5240MHz	Pass	5.41	6.14	6.89	9.39	11.00	14.80	17.00
5260MHz	Pass	5.41	5.94	6.89	9.28	11.00	14.69	17.00
5300MHz	Pass	5.41	6.10	7.27	9.59	11.00	15.00	17.00
5320MHz	Pass	5.41	5.29	6.26	8.61	11.00	14.02	17.00
5500MHz	Pass	5.41	4.94	5.02	7.91	11.00	13.32	17.00
5580MHz	Pass	5.41	6.83	6.64	9.65	11.00	15.06	17.00
5700MHz	Pass	5.41	3.81	3.69	6.65	11.00	12.06	17.00
5745MHz	Pass	5.41	3.77	4.66	7.12	30.00	12.53	36.00
5785MHz	Pass	5.41	4.54	4.79	7.47	30.00	12.88	36.00
5825MHz	Pass	5.41	4.62	4.62	7.39	30.00	12.80	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.41	4.77	5.51	8.00	11.00	13.41	17.00
5200MHz	Pass	5.41	5.91	6.72	9.14	11.00	14.55	17.00
5240MHz	Pass	5.41	5.77	6.88	9.20	11.00	14.61	17.00
5260MHz	Pass	5.41	5.55	6.54	8.80	11.00	14.21	17.00
5300MHz	Pass	5.41	5.79	7.01	9.28	11.00	14.69	17.00
5320MHz	Pass	5.41	5.09	5.91	8.32	11.00	13.73	17.00
5500MHz	Pass	5.41	3.55	4.86	7.18	11.00	12.59	17.00
5580MHz	Pass	5.41	6.40	6.36	9.37	11.00	14.78	17.00
5700MHz	Pass	5.41	3.48	3.33	6.25	11.00	11.66	17.00
5745MHz	Pass	5.41	3.65	3.88	6.52	30.00	11.93	36.00
5785MHz	Pass	5.41	3.95	4.65	7.18	30.00	12.59	36.00
5825MHz	Pass	5.41	4.05	4.12	7.01	30.00	12.42	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.41	-2.28	-1.48	1.05	11.00	6.46	17.00
5230MHz	Pass	5.41	-0.30	0.57	3.10	11.00	8.51	17.00
5270MHz	Pass	5.41	-0.48	0.14	2.82	11.00	8.23	17.00
5310MHz	Pass	5.41	-1.74	-1.38	1.19	11.00	6.60	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/R BW)	Port 2 (dBm/R BW)	PD (dBm/R BW)	PD Limit (dBm/R BW)	EIRP PD (dBm/R BW)	EIRP PD Limit (dBm/R BW)
5510MHz	Pass	5.41	-1.15	-1.59	1.65	11.00	7.06	17.00
5550MHz	Pass	5.41	-0.09	-0.27	2.71	11.00	8.12	17.00
5670MHz	Pass	5.41	0.02	-0.14	2.78	11.00	8.19	17.00
5755MHz	Pass	5.41	-1.38	-1.34	1.45	30.00	6.86	36.00
5795MHz	Pass	5.41	-0.89	-0.30	2.42	30.00	7.83	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.41	-6.21	-5.46	-2.83	11.00	2.58	17.00
5290MHz	Pass	5.41	-6.15	-5.31	-2.76	11.00	2.65	17.00
5530MHz	Pass	5.41	-6.14	-6.20	-3.17	11.00	2.24	17.00
5775MHz	Pass	5.41	-4.64	-4.55	-1.60	30.00	3.81	36.00

DG = Directional Gain=2.4 + 10*log(2/1) = 5.41 dBi

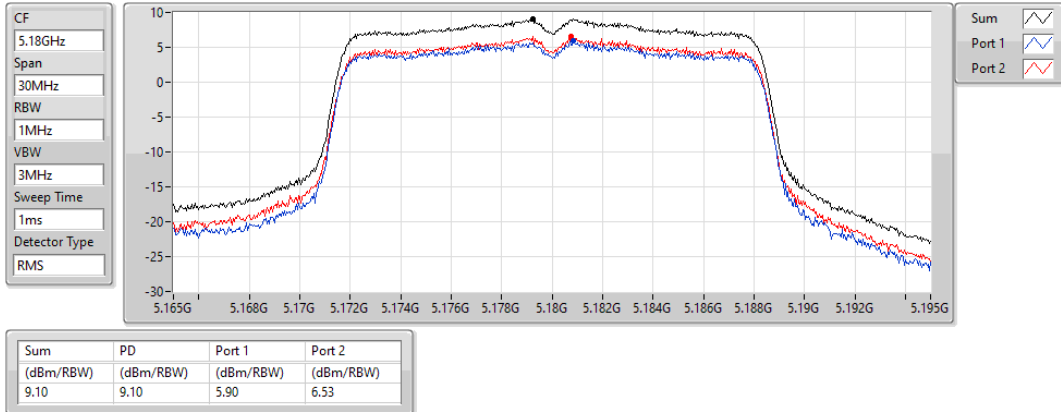
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

802.11a_Nss1,(6Mbps)_2TX

PSD

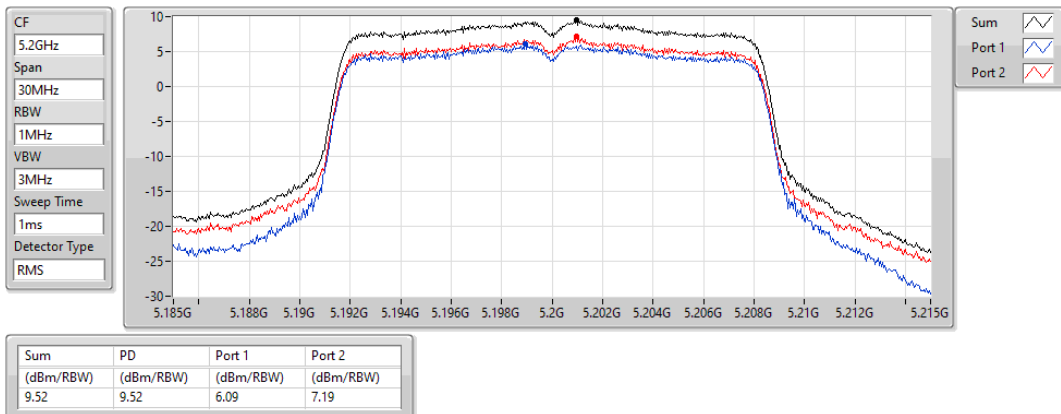
5180MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

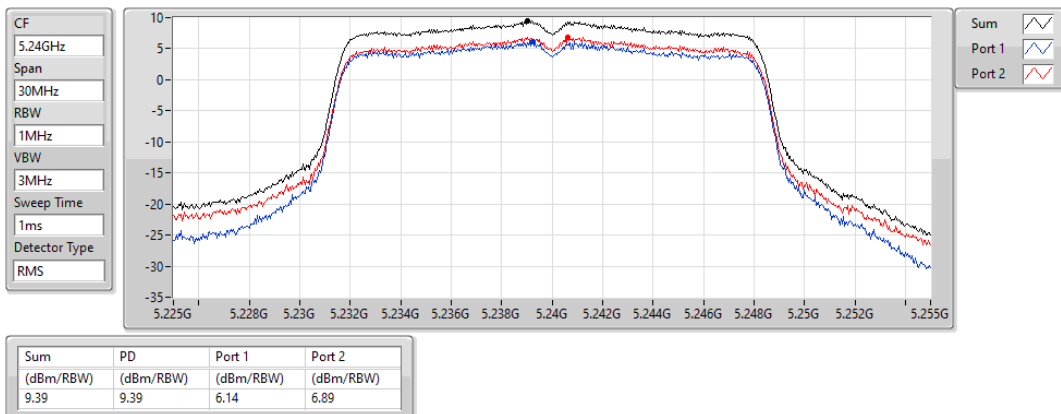
5200MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

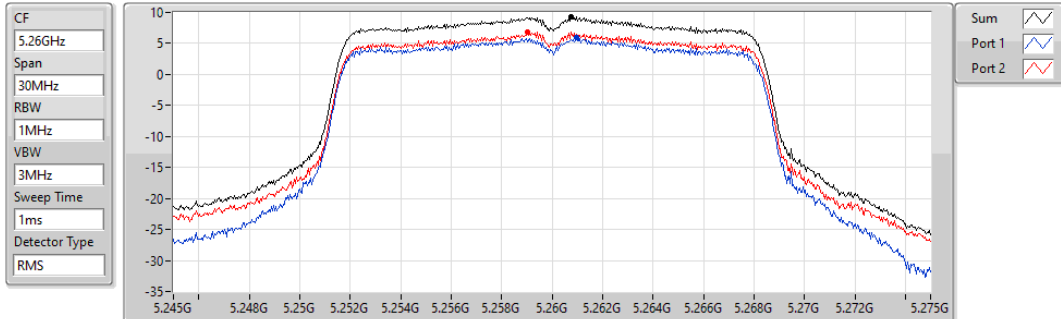
5240MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

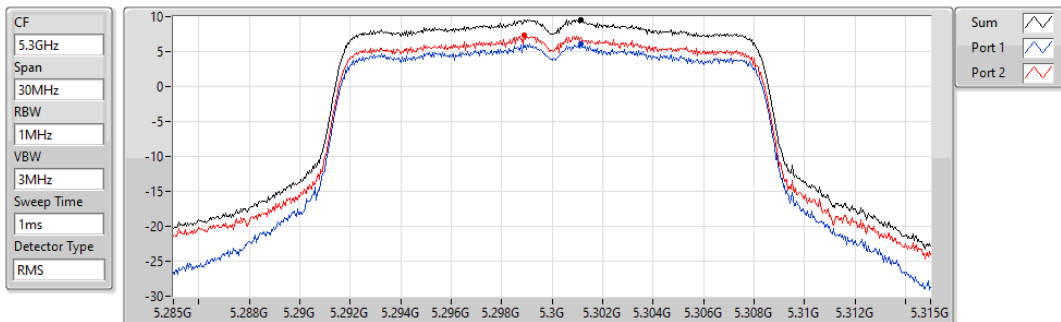


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.28	9.28	5.94	6.89

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

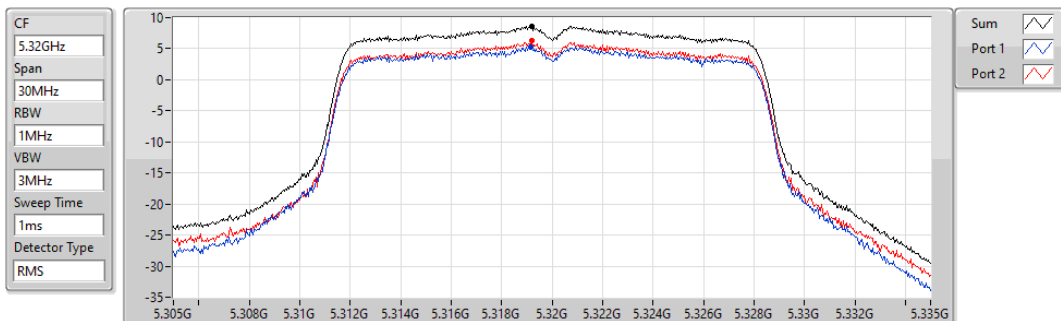


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.59	9.59	6.10	7.27

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

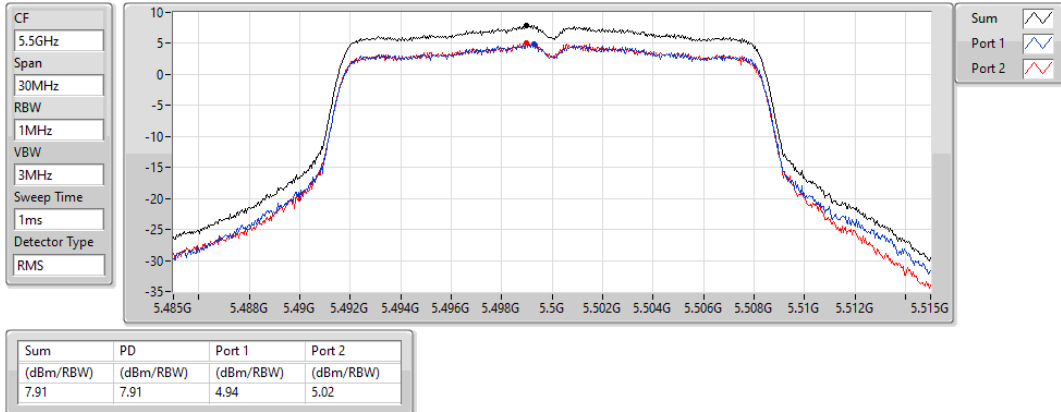


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.61	8.61	5.29	6.26

802.11a_Nss1,(6Mbps)_2TX

PSD

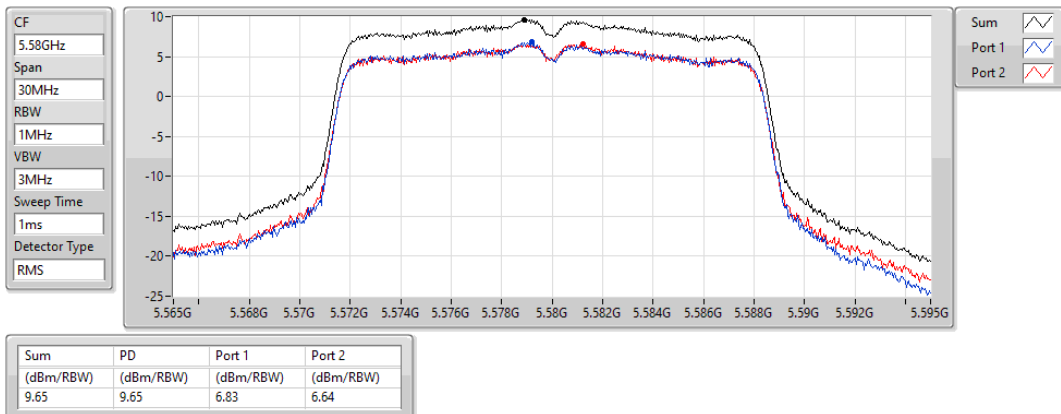
5500MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

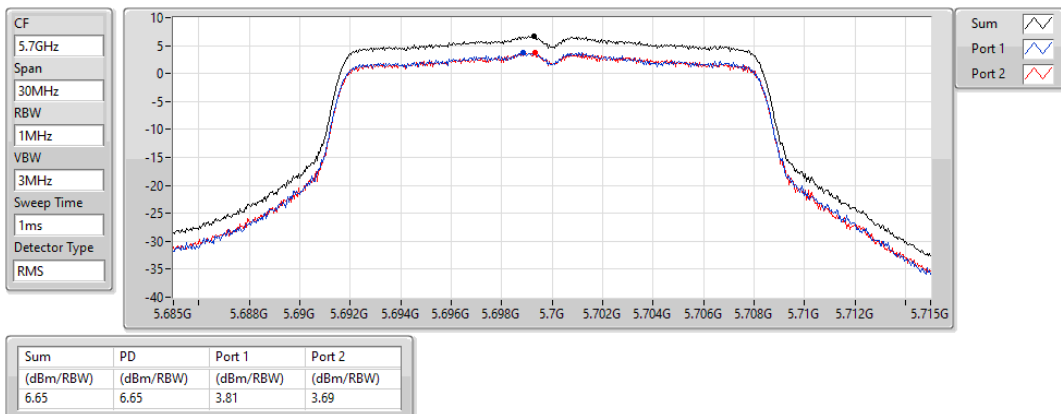
5580MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

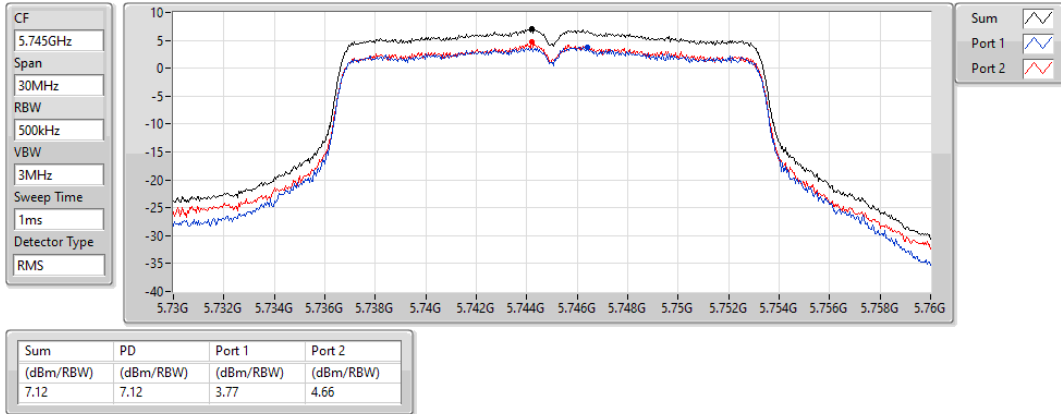
5700MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

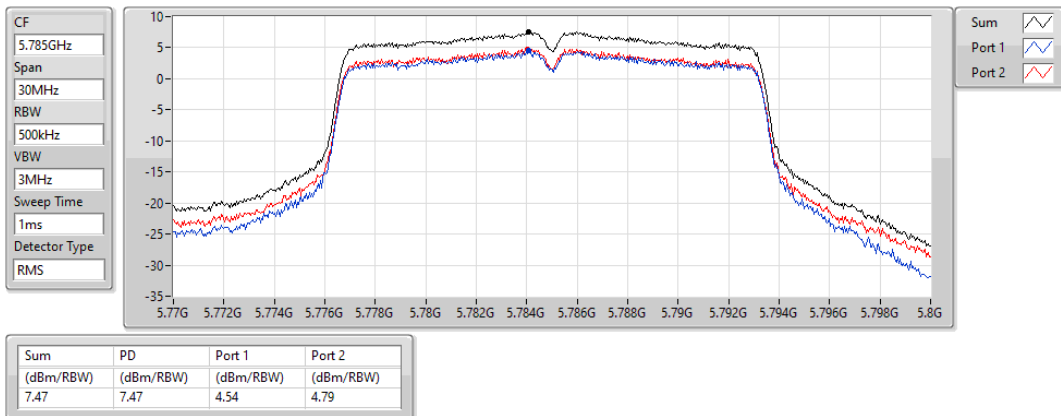
5745MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

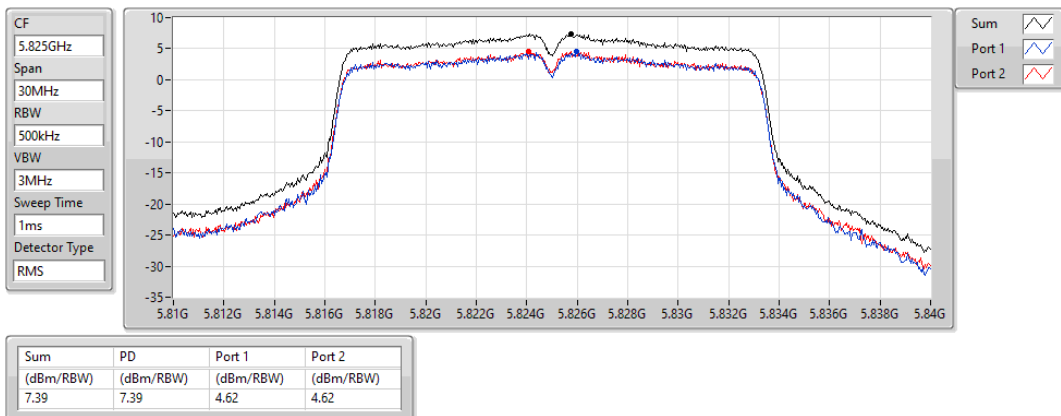
5785MHz



802.11a_Nss1,(6Mbps)_2TX

PSD

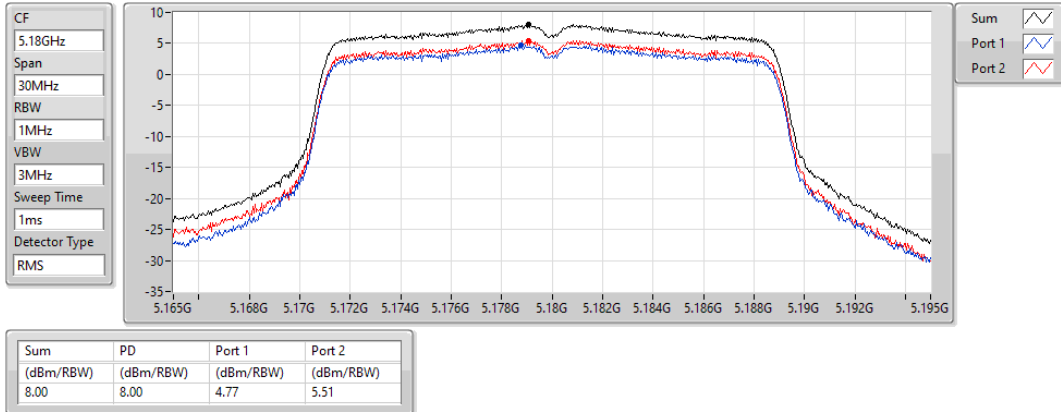
5825MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

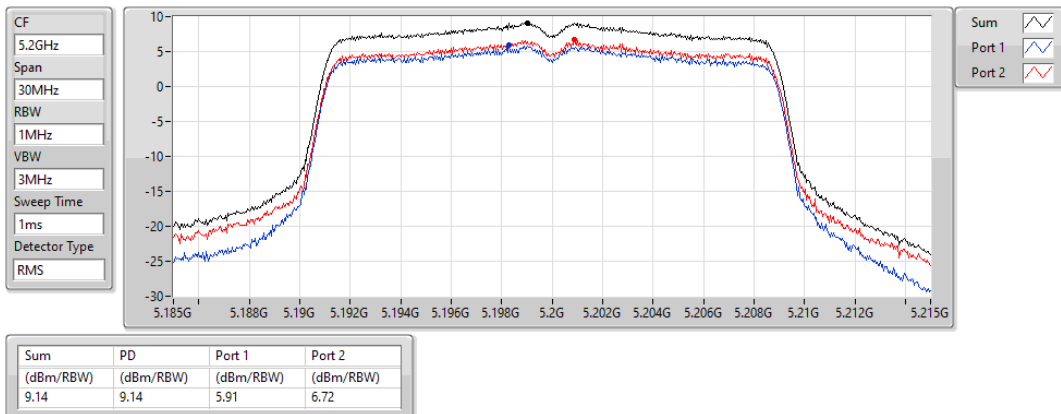
5180MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

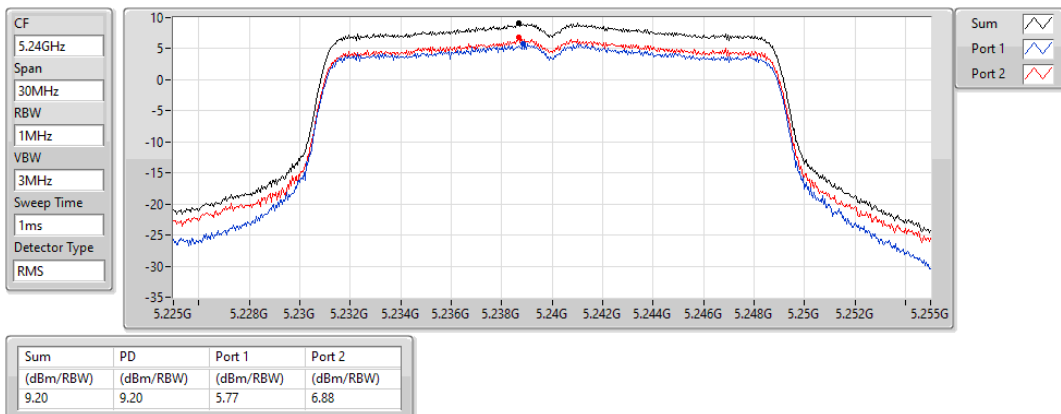
5200MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

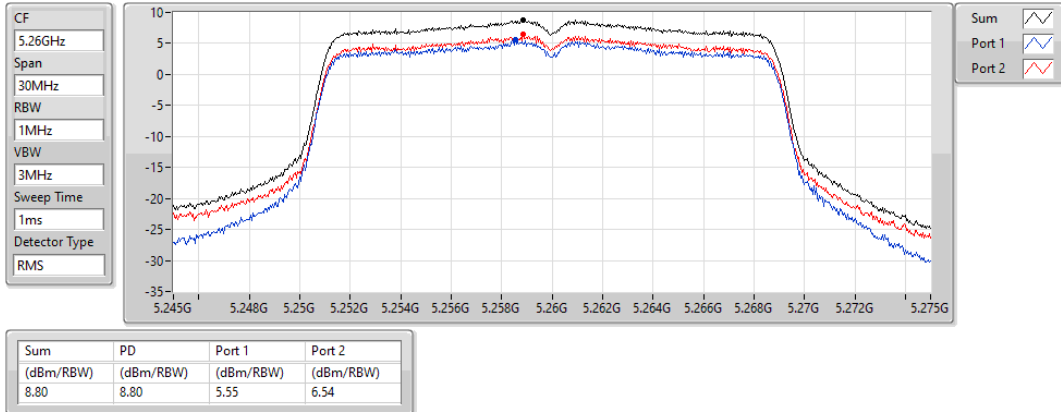
5240MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

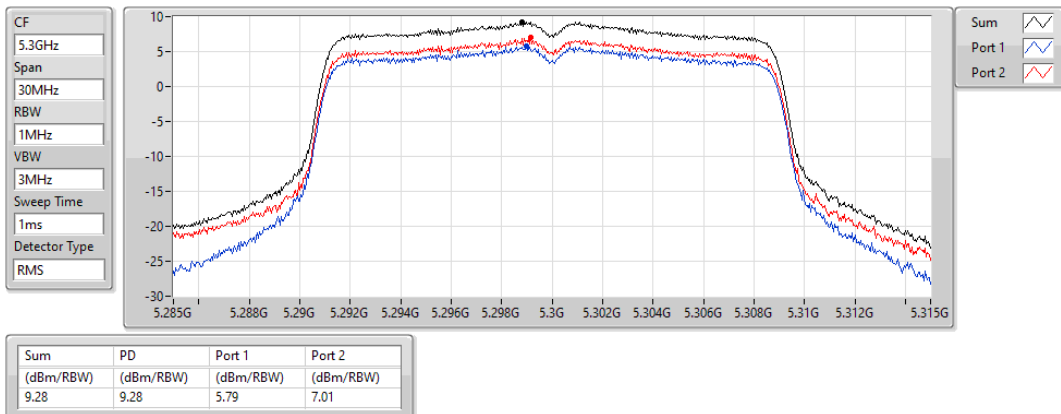
5260MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

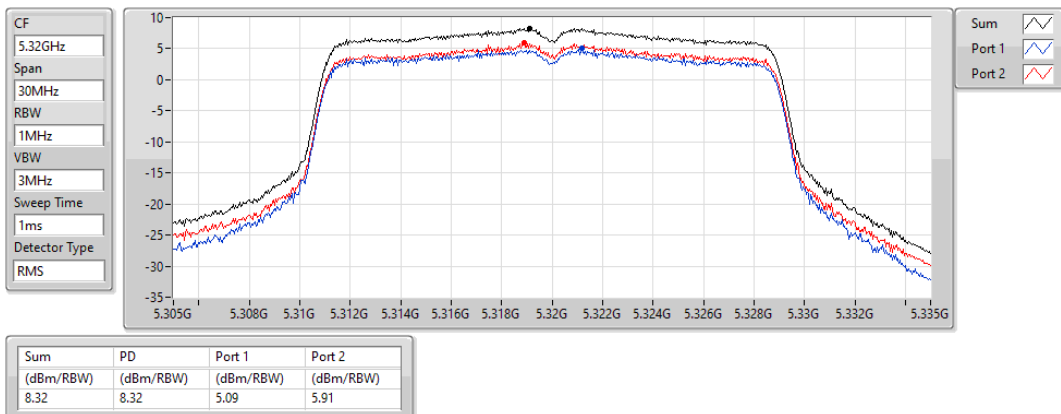
5300MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

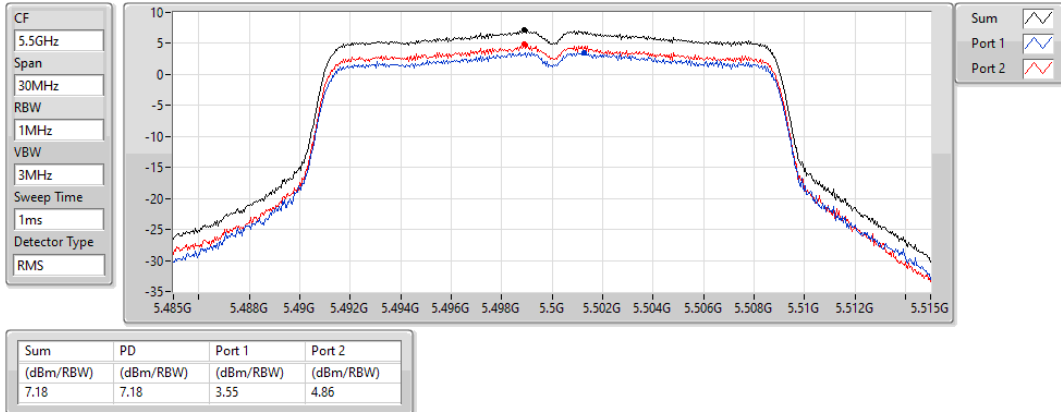
5320MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

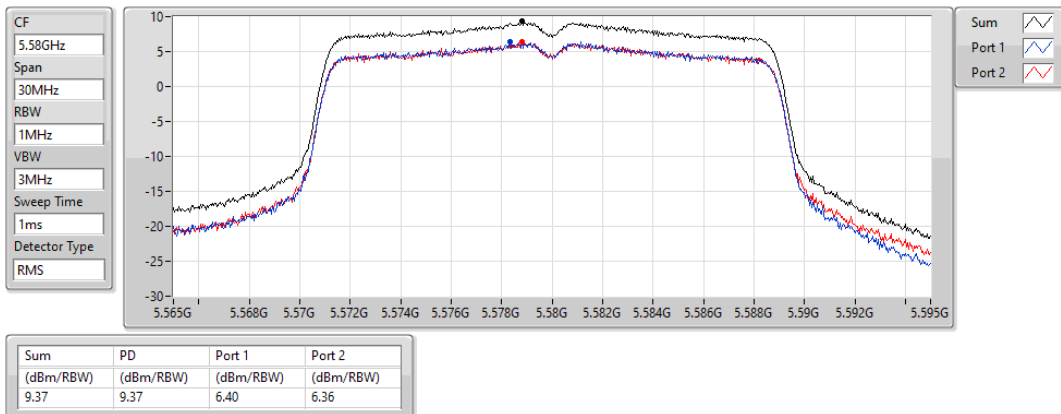
5500MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

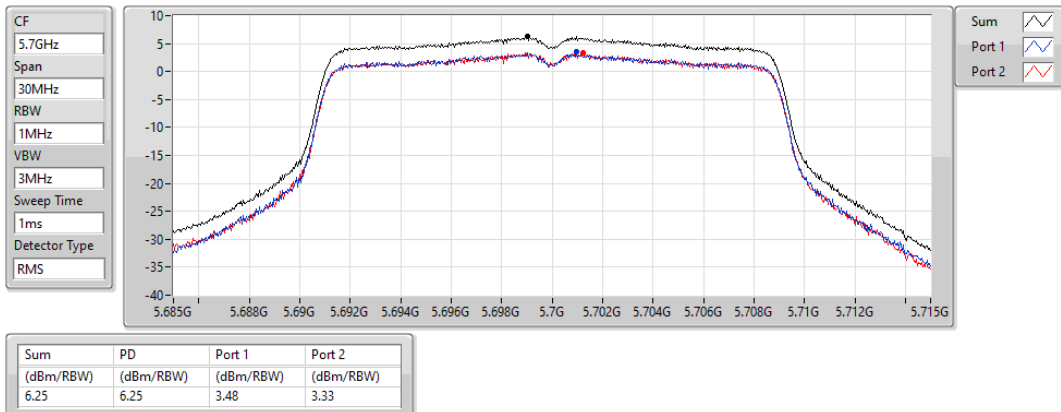
5580MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

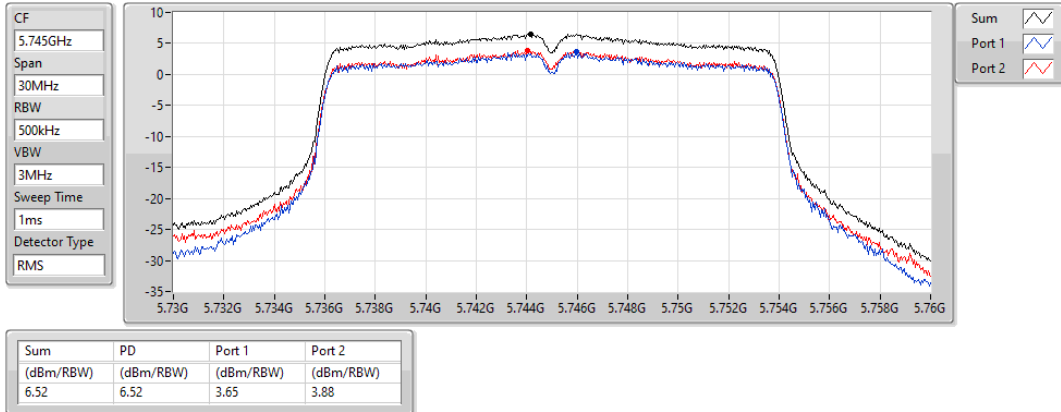
5700MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

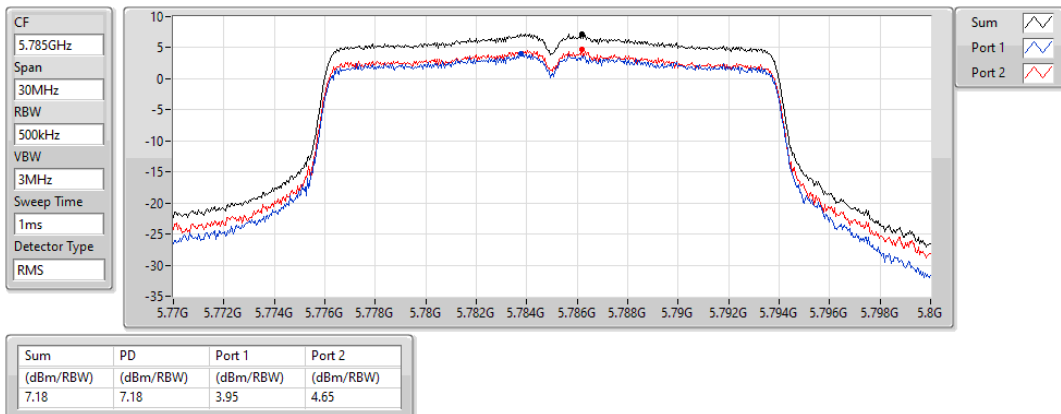
5745MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

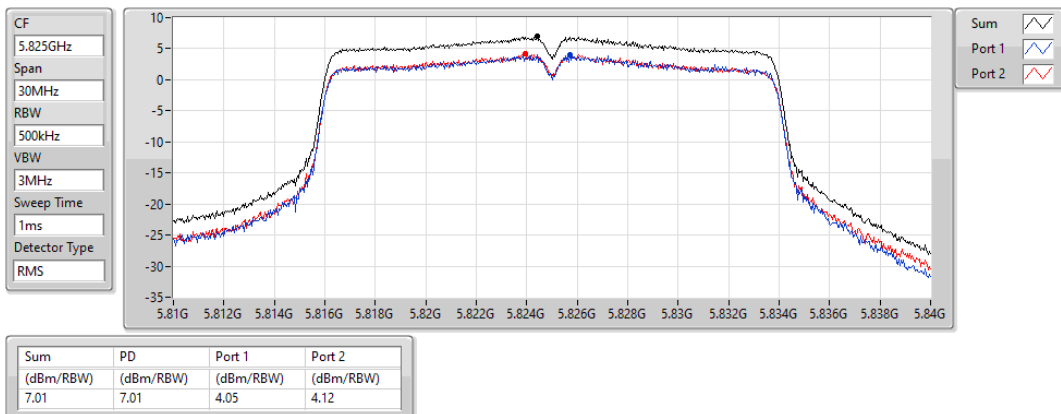
5785MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

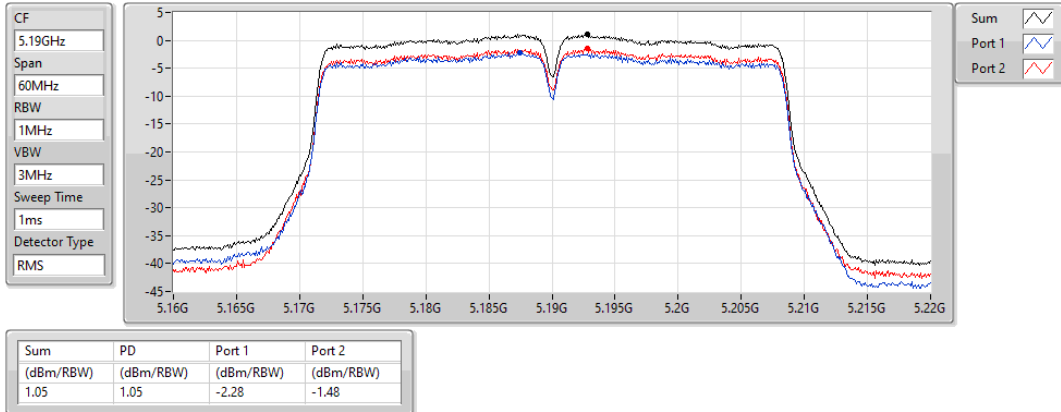
5825MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

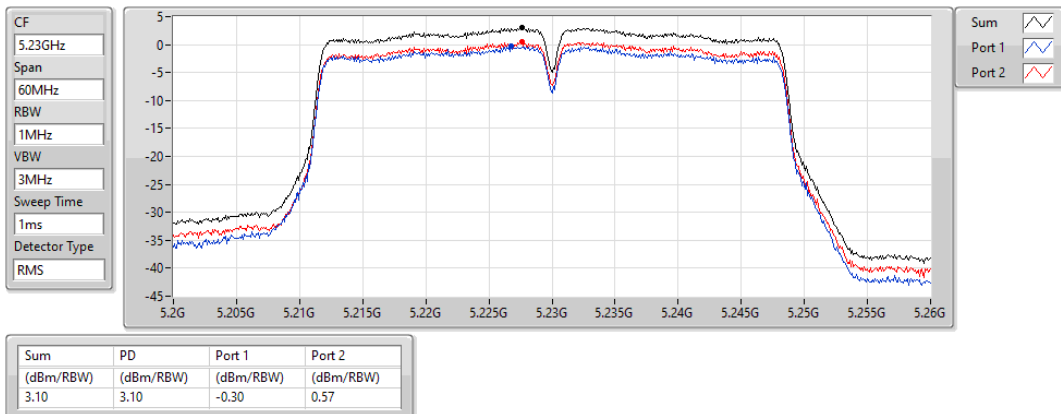
5190MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

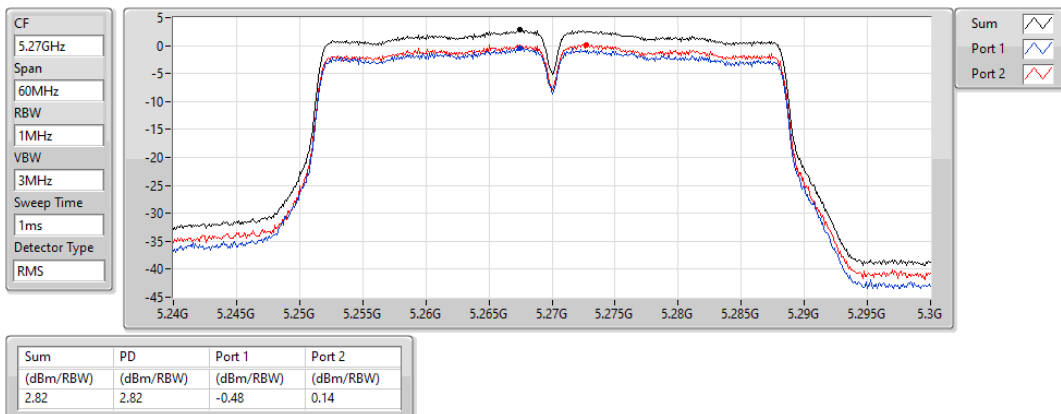
5230MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

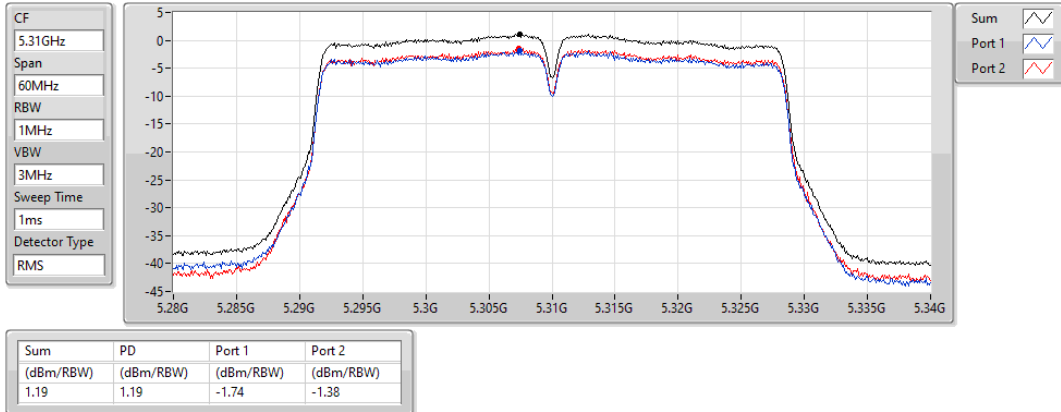
5270MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

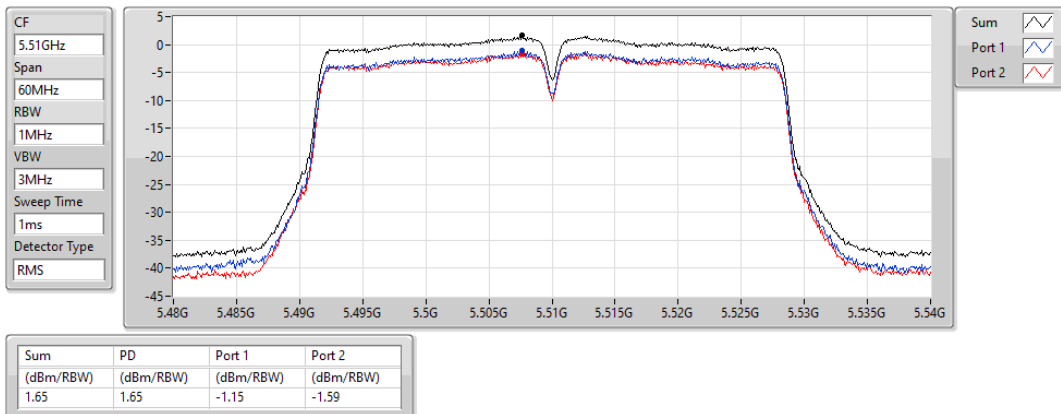
5310MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

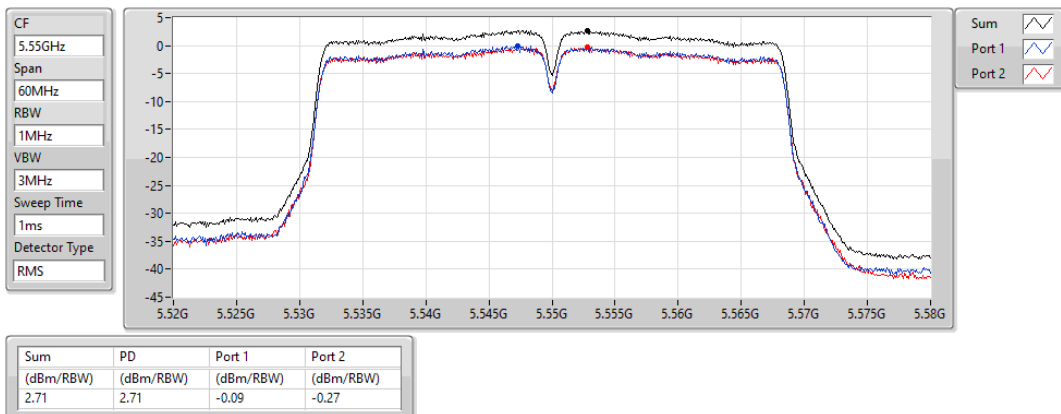
5510MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

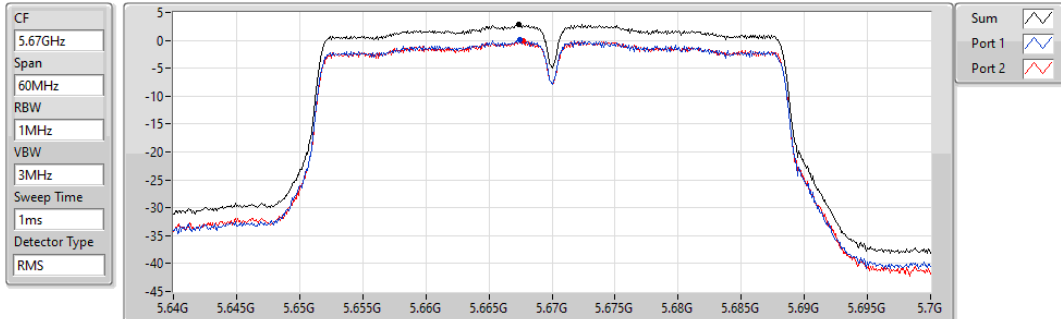
5550MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

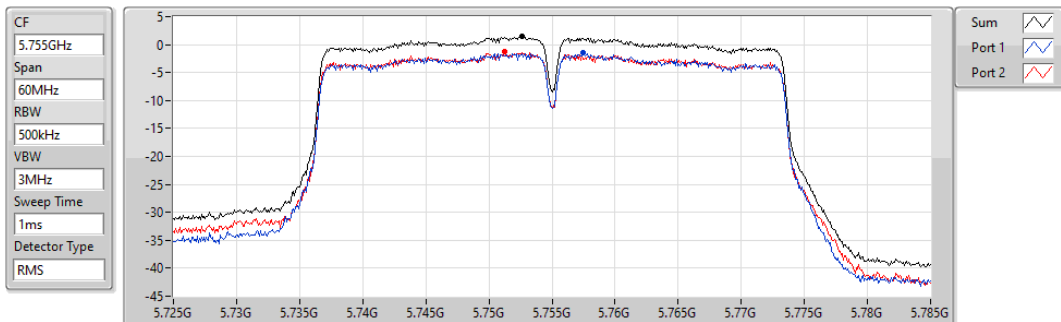


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.78	2.78	0.02	-0.14

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

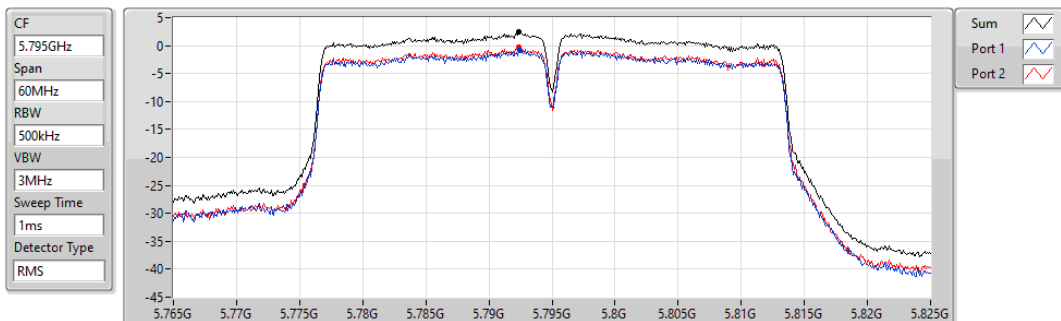


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.45	1.45	-1.38	-1.34

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

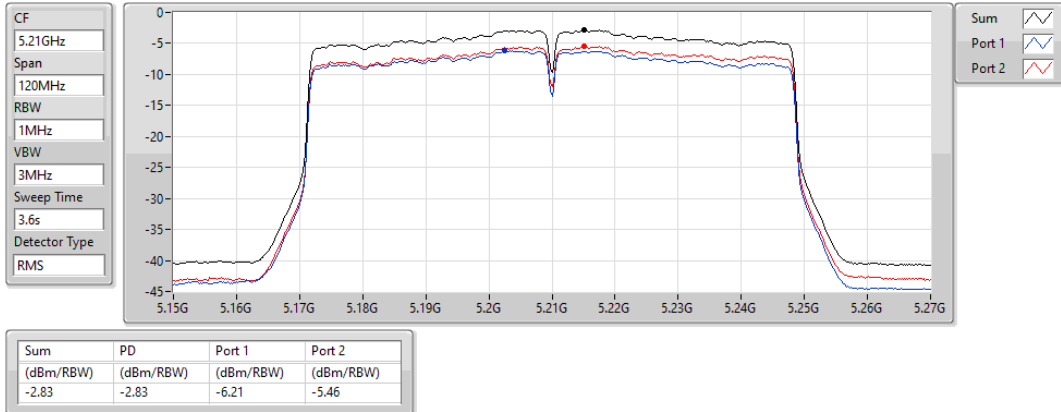


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.42	2.42	-0.89	-0.30

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

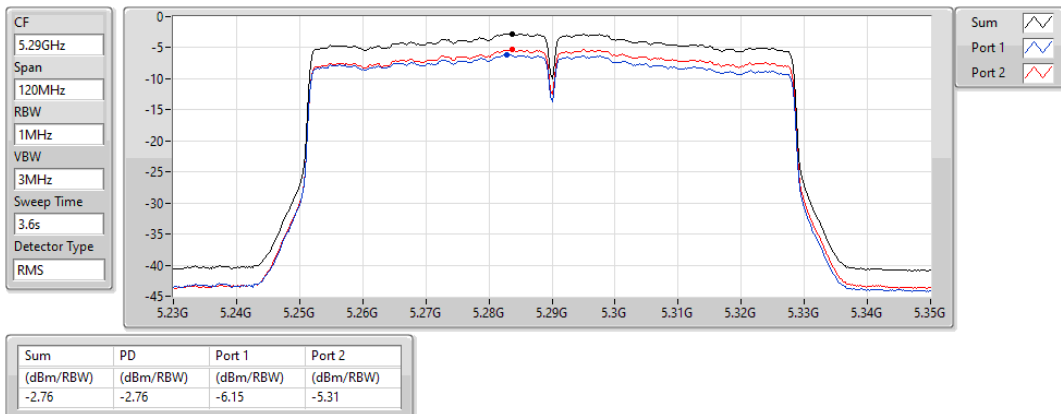
5210MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

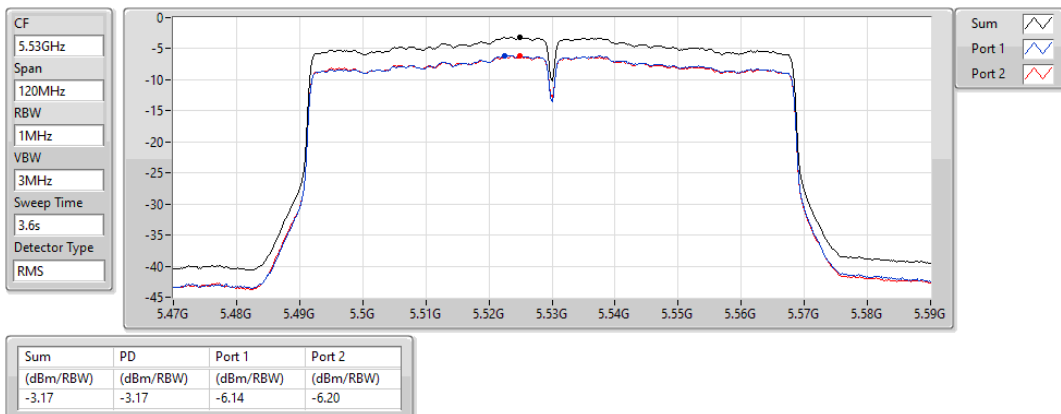
5290MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

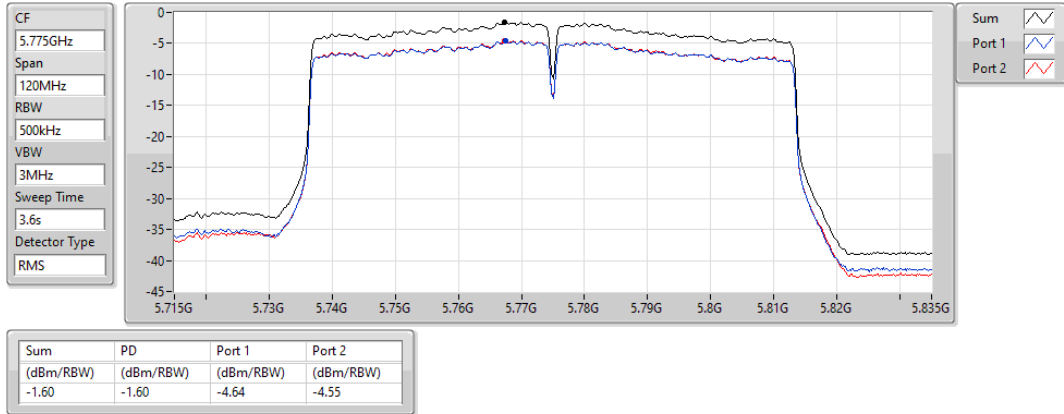
5530MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

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

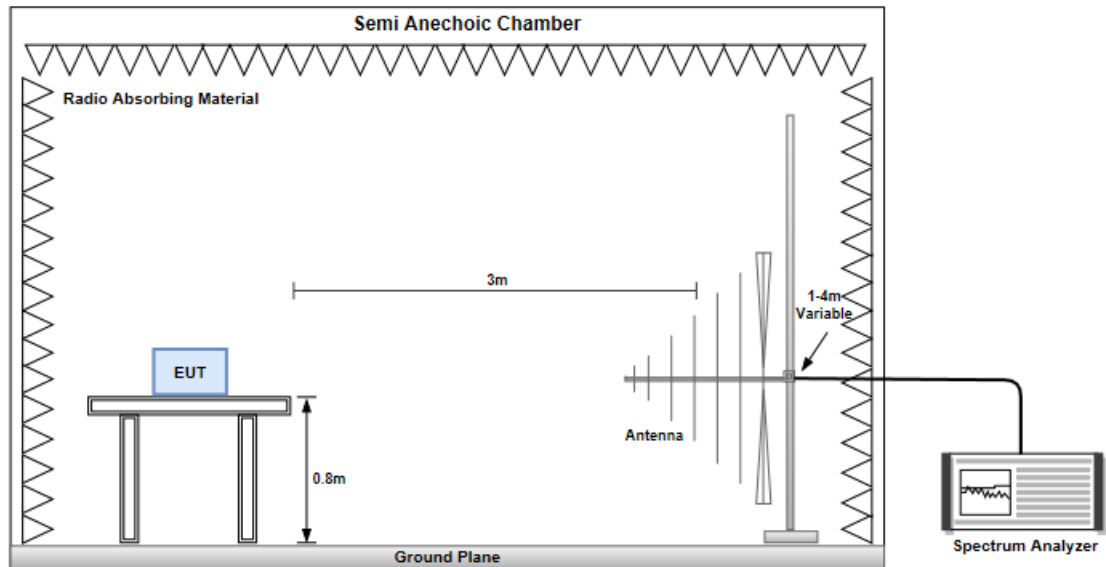
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360° . A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

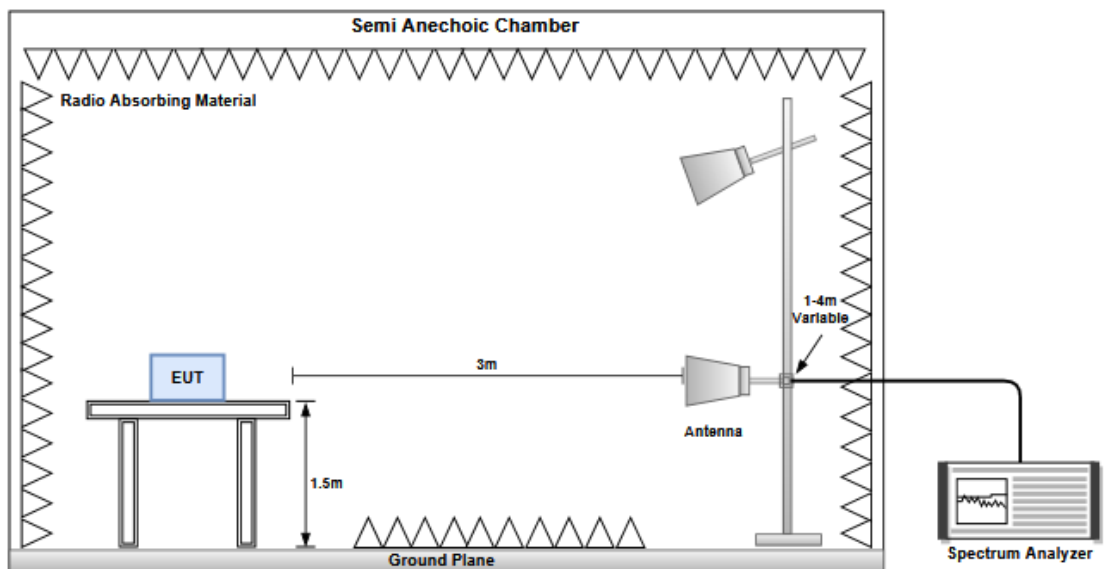
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.5.1 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

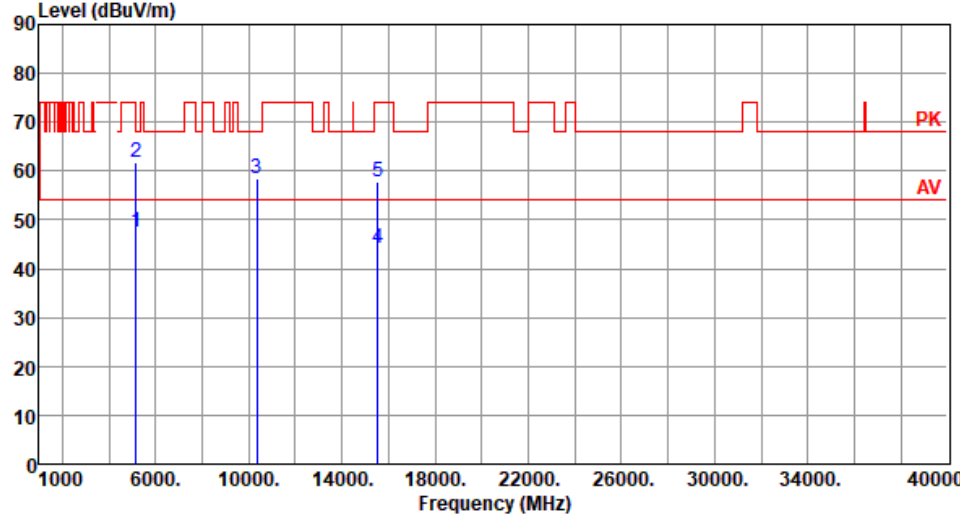
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):22 Humidity(%):68			
Level (dBUV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):22 Humidity(%):68			
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):22 Humidity(%):68			
Level (dBUV/m) </			

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

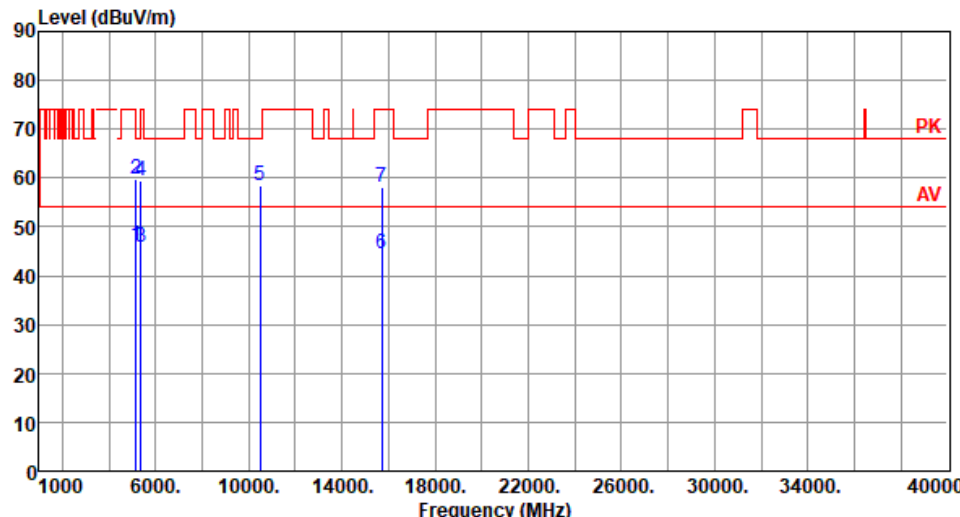
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBuV/m)			

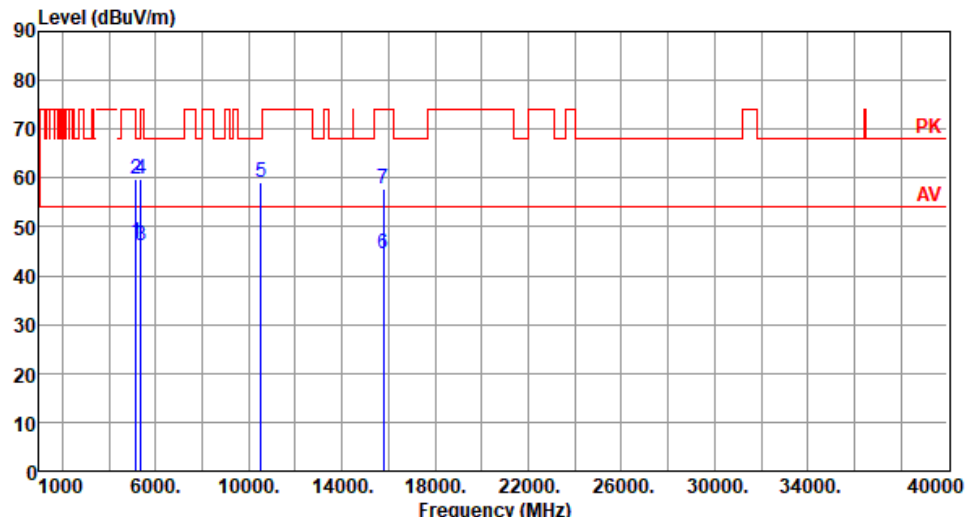
Modulation	11a	Test Freq. (MHz)	5180																																																												
Polarization	Vertical																																																														
Test By :Roger Lu Temperature(°C):23 Humidity(%):62																																																															
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																						
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Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5200																																																												
Polarization	Vertical																																																														
Test By :Roger Lu Temperature(°C):23 Humidity(%):62																																																															
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Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5240																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):23 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>46.28</td><td>54.00</td><td>-7.72</td><td>40.17</td><td>6.11</td><td>Average</td><td>134</td><td>45</td></tr><tr><td>2</td><td>5150.00</td><td>59.81</td><td>74.00</td><td>-14.19</td><td>53.70</td><td>6.11</td><td>Peak</td><td>134</td><td>45</td></tr><tr><td>3</td><td>5350.00</td><td>45.94</td><td>54.00</td><td>-8.06</td><td>40.36</td><td>5.58</td><td>Average</td><td>134</td><td>45</td></tr><tr><td>4</td><td>5350.00</td><td>59.55</td><td>74.00</td><td>-14.45</td><td>53.97</td><td>5.58</td><td>Peak</td><td>134</td><td>45</td></tr><tr><td>5</td><td>10480.00</td><td>58.46</td><td>68.20</td><td>-9.74</td><td>44.06</td><td>14.40</td><td>Peak</td><td>148</td><td>324</td></tr><tr><td>6</td><td>15720.00</td><td>44.46</td><td>54.00</td><td>-9.54</td><td>28.75</td><td>15.71</td><td>Average</td><td>100</td><td>52</td></tr><tr><td>7</td><td>15720.00</td><td>58.14</td><td>74.00</td><td>-15.86</td><td>42.43</td><td>15.71</td><td>Peak</td><td>100</td><td>52</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	46.28	54.00	-7.72	40.17	6.11	Average	134	45	2	5150.00	59.81	74.00	-14.19	53.70	6.11	Peak	134	45	3	5350.00	45.94	54.00	-8.06	40.36	5.58	Average	134	45	4	5350.00	59.55	74.00	-14.45	53.97	5.58	Peak	134	45	5	10480.00	58.46	68.20	-9.74	44.06	14.40	Peak	148	324	6	15720.00	44.46	54.00	-9.54	28.75	15.71	Average	100	52	7	15720.00	58.14	74.00	-15.86	42.43	15.71	Peak	100	52
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	11a	Test Freq. (MHz)	5260																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62																																																																																			
Level (dBuV/m)  <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>46.67</td><td>54.00</td><td>-7.33</td><td>40.56</td><td>6.11</td><td>Average</td><td>188</td><td>5</td></tr><tr><td>2</td><td>5150.00</td><td>59.90</td><td>74.00</td><td>-14.10</td><td>53.79</td><td>6.11</td><td>Peak</td><td>188</td><td>5</td></tr><tr><td>3</td><td>5350.00</td><td>46.17</td><td>54.00</td><td>-7.83</td><td>40.59</td><td>5.58</td><td>Average</td><td>188</td><td>5</td></tr><tr><td>4</td><td>5350.00</td><td>59.73</td><td>74.00</td><td>-14.27</td><td>54.15</td><td>5.58</td><td>Peak</td><td>188</td><td>5</td></tr><tr><td>5</td><td>10520.00</td><td>59.02</td><td>68.20</td><td>-9.18</td><td>44.58</td><td>14.44</td><td>Peak</td><td>245</td><td>355</td></tr><tr><td>6</td><td>15780.00</td><td>44.63</td><td>54.00</td><td>-9.37</td><td>29.15</td><td>15.48</td><td>Average</td><td>100</td><td>20</td></tr><tr><td>7</td><td>15780.00</td><td>57.86</td><td>74.00</td><td>-16.14</td><td>42.38</td><td>15.48</td><td>Peak</td><td>100</td><td>20</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	46.67	54.00	-7.33	40.56	6.11	Average	188	5	2	5150.00	59.90	74.00	-14.10	53.79	6.11	Peak	188	5	3	5350.00	46.17	54.00	-7.83	40.59	5.58	Average	188	5	4	5350.00	59.73	74.00	-14.27	54.15	5.58	Peak	188	5	5	10520.00	59.02	68.20	-9.18	44.58	14.44	Peak	245	355	6	15780.00	44.63	54.00	-9.37	29.15	15.48	Average	100	20	7	15780.00	57.86	74.00	-16.14	42.38	15.48	Peak	100	20
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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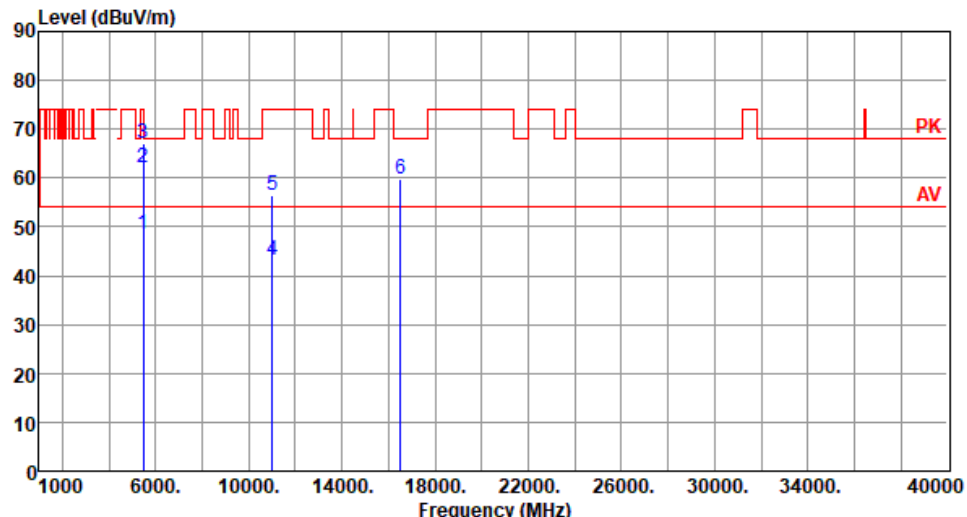
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m) </			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m) </			

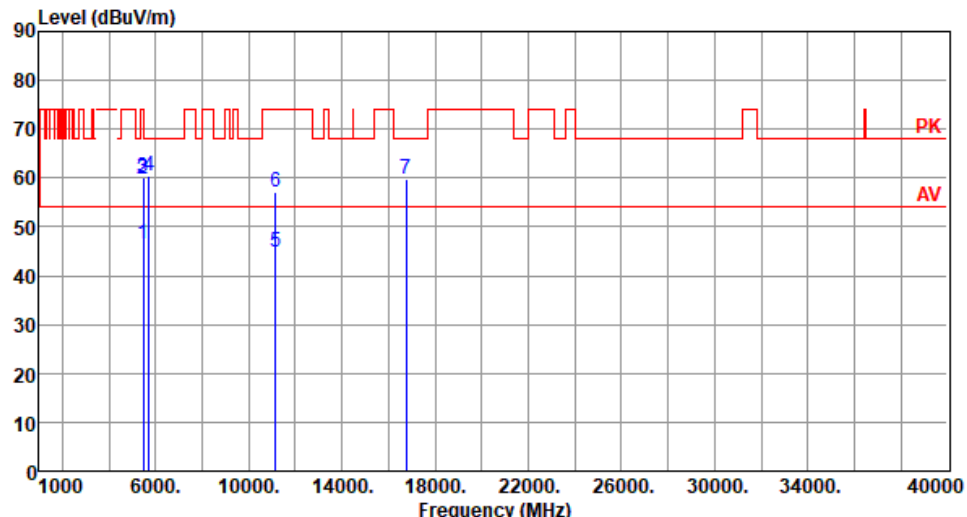
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m) </			

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5500																																																																						
Polarization	Horizontal																																																																								
Test By :Roger Lu Temperature(°C):23 Humidity(%):62																																																																									
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Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m) <			

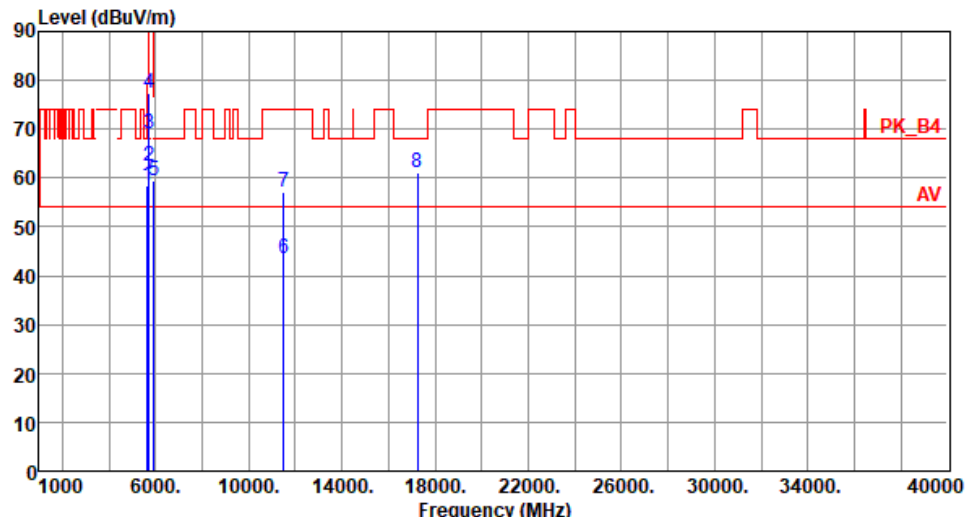
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBuV/m) <			

Modulation	11a	Test Freq. (MHz)	5580																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):23 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>46.33</td><td>54.00</td><td>-7.67</td><td>40.11</td><td>6.22</td><td>Average</td><td>157</td><td>359</td></tr><tr><td>2</td><td>5460.00</td><td>59.90</td><td>74.00</td><td>-14.10</td><td>53.68</td><td>6.22</td><td>Peak</td><td>157</td><td>359</td></tr><tr><td>3</td><td>5470.00</td><td>60.12</td><td>68.20</td><td>-8.08</td><td>53.86</td><td>6.26</td><td>Peak</td><td>157</td><td>359</td></tr><tr><td>4</td><td>5725.00</td><td>60.44</td><td>68.20</td><td>-7.76</td><td>53.91</td><td>6.53</td><td>Peak</td><td>157</td><td>359</td></tr><tr><td>5</td><td>11160.00</td><td>44.68</td><td>54.00</td><td>-9.32</td><td>29.84</td><td>14.84</td><td>Average</td><td>155</td><td>51</td></tr><tr><td>6</td><td>11160.00</td><td>57.20</td><td>74.00</td><td>-16.80</td><td>42.36</td><td>14.84</td><td>Peak</td><td>155</td><td>51</td></tr><tr><td>7</td><td>16740.00</td><td>59.80</td><td>68.20</td><td>-8.40</td><td>42.25</td><td>17.55</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	Remark	ANT High cm	Turn Table deg	1	5460.00	46.33	54.00	-7.67	40.11	6.22	Average	157	359	2	5460.00	59.90	74.00	-14.10	53.68	6.22	Peak	157	359	3	5470.00	60.12	68.20	-8.08	53.86	6.26	Peak	157	359	4	5725.00	60.44	68.20	-7.76	53.91	6.53	Peak	157	359	5	11160.00	44.68	54.00	-9.32	29.84	14.84	Average	155	51	6	11160.00	57.20	74.00	-16.80	42.36	14.84	Peak	155	51	7	16740.00	59.80	68.20	-8.40	42.25	17.55	Peak	100	30
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
1	5460.00	46.33	54.00	-7.67	40.11	6.22	Average	157	359																																																																										
2	5460.00	59.90	74.00	-14.10	53.68	6.22	Peak	157	359																																																																										
3	5470.00	60.12	68.20	-8.08	53.86	6.26	Peak	157	359																																																																										
4	5725.00	60.44	68.20	-7.76	53.91	6.53	Peak	157	359																																																																										
5	11160.00	44.68	54.00	-9.32	29.84	14.84	Average	155	51																																																																										
6	11160.00	57.20	74.00	-16.80	42.36	14.84	Peak	155	51																																																																										
7	16740.00	59.80	68.20	-8.40	42.25	17.55	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).																																																																																			

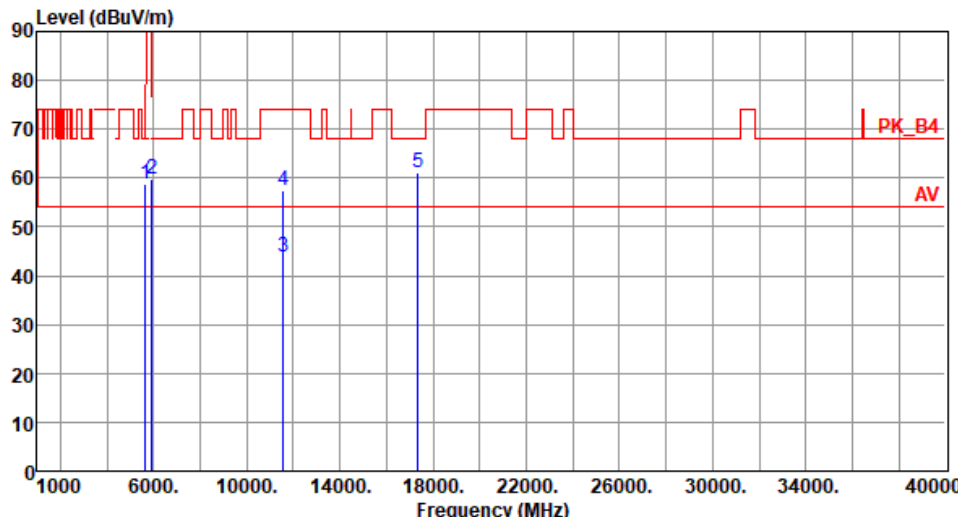
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

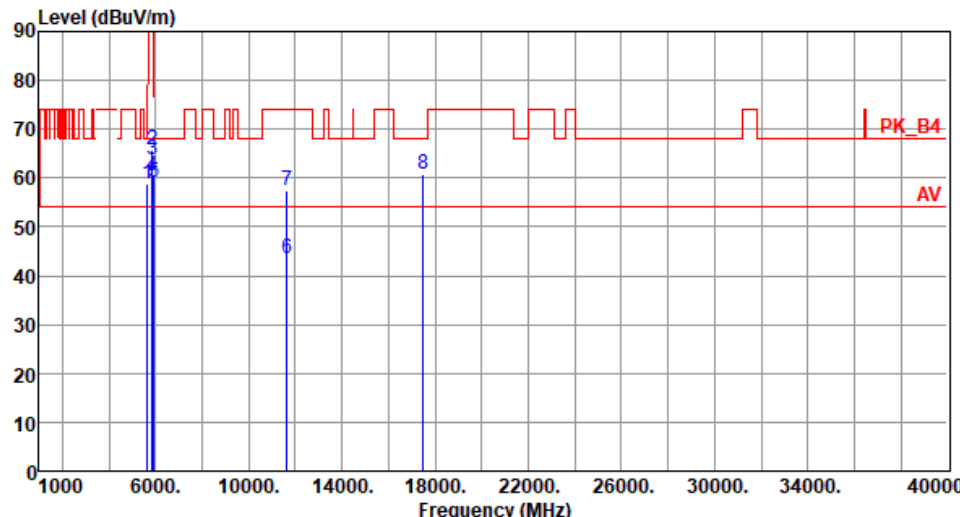
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5745																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu Temperature(°C):23 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>58.59</td><td>68.20</td><td>-9.61</td><td>52.32</td><td>6.27</td><td>Peak</td><td>165</td><td>358</td></tr><tr><td>2</td><td>5700.00</td><td>62.41</td><td>105.20</td><td>-42.79</td><td>55.94</td><td>6.47</td><td>Peak</td><td>165</td><td>358</td></tr><tr><td>3</td><td>5720.00</td><td>68.95</td><td>110.80</td><td>-41.85</td><td>62.43</td><td>6.52</td><td>Peak</td><td>165</td><td>358</td></tr><tr><td>4</td><td>5725.00</td><td>77.54</td><td>122.20</td><td>-44.66</td><td>71.01</td><td>6.53</td><td>Peak</td><td>165</td><td>358</td></tr><tr><td>5</td><td>5925.00</td><td>59.41</td><td>68.20</td><td>-8.79</td><td>52.38</td><td>7.03</td><td>Peak</td><td>165</td><td>358</td></tr><tr><td>6</td><td>11490.00</td><td>43.55</td><td>54.00</td><td>-10.45</td><td>28.47</td><td>15.08</td><td>Average</td><td>100</td><td>21</td></tr><tr><td>7</td><td>11490.00</td><td>57.26</td><td>74.00</td><td>-16.74</td><td>42.18</td><td>15.08</td><td>Peak</td><td>100</td><td>21</td></tr><tr><td>8</td><td>17235.00</td><td>61.22</td><td>68.20</td><td>-6.98</td><td>43.42</td><td>17.80</td><td>Peak</td><td>100</td><td>53</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	58.59	68.20	-9.61	52.32	6.27	Peak	165	358	2	5700.00	62.41	105.20	-42.79	55.94	6.47	Peak	165	358	3	5720.00	68.95	110.80	-41.85	62.43	6.52	Peak	165	358	4	5725.00	77.54	122.20	-44.66	71.01	6.53	Peak	165	358	5	5925.00	59.41	68.20	-8.79	52.38	7.03	Peak	165	358	6	11490.00	43.55	54.00	-10.45	28.47	15.08	Average	100	21	7	11490.00	57.26	74.00	-16.74	42.18	15.08	Peak	100	21	8	17235.00	61.22	68.20	-6.98	43.42	17.80	Peak	100	53
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	58.59	68.20	-9.61	52.32	6.27	Peak	165	358																																																																																				
2	5700.00	62.41	105.20	-42.79	55.94	6.47	Peak	165	358																																																																																				
3	5720.00	68.95	110.80	-41.85	62.43	6.52	Peak	165	358																																																																																				
4	5725.00	77.54	122.20	-44.66	71.01	6.53	Peak	165	358																																																																																				
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6	11490.00	43.55	54.00	-10.45	28.47	15.08	Average	100	21																																																																																				
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8	17235.00	61.22	68.20	-6.98	43.42	17.80	Peak	100	53																																																																																				
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)	5785
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

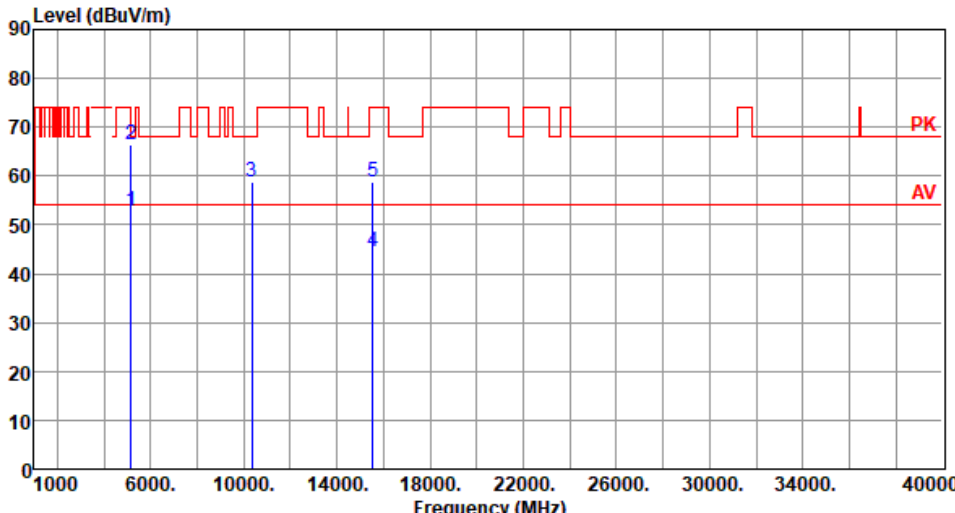
Modulation	11a	Test Freq. (MHz)	5785						
Polarization	Vertical								
Test By :Roger Lu Temperature(°C):23 Humidity(%):62									
									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5650.00	58.72	68.20	-9.48	52.45	6.27	Peak	167	359
2	5925.00	59.62	68.20	-8.58	52.59	7.03	Peak	167	359
3	11570.00	43.68	54.00	-10.32	28.65	15.03	Average	100	9
4	11570.00	57.40	74.00	-16.60	42.37	15.03	Peak	100	9
5	17355.00	61.02	68.20	-7.18	42.48	18.54	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	11a	Test Freq. (MHz)	5825																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu Temperature(°C):23 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>58.72</td><td>68.20</td><td>-9.48</td><td>52.45</td><td>6.27</td><td>Peak</td><td>202</td><td>350</td></tr><tr><td>2</td><td>5850.00</td><td>65.81</td><td>122.20</td><td>-56.39</td><td>58.92</td><td>6.89</td><td>Peak</td><td>202</td><td>350</td></tr><tr><td>3</td><td>5855.00</td><td>63.60</td><td>110.80</td><td>-47.20</td><td>56.70</td><td>6.90</td><td>Peak</td><td>202</td><td>350</td></tr><tr><td>4</td><td>5875.00</td><td>60.39</td><td>105.20</td><td>-44.81</td><td>53.46</td><td>6.93</td><td>Peak</td><td>202</td><td>350</td></tr><tr><td>5</td><td>5925.00</td><td>59.21</td><td>68.20</td><td>-8.99</td><td>52.18</td><td>7.03</td><td>Peak</td><td>202</td><td>350</td></tr><tr><td>6</td><td>11650.00</td><td>43.60</td><td>54.00</td><td>-10.40</td><td>28.89</td><td>14.71</td><td>Average</td><td>100</td><td>355</td></tr><tr><td>7</td><td>11650.00</td><td>57.29</td><td>74.00</td><td>-16.71</td><td>42.58</td><td>14.71</td><td>Peak</td><td>100</td><td>355</td></tr><tr><td>8</td><td>17475.00</td><td>60.91</td><td>68.20</td><td>-7.29</td><td>41.46</td><td>19.45</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	Remark	ANT High cm	Turn Table deg	1	5650.00	58.72	68.20	-9.48	52.45	6.27	Peak	202	350	2	5850.00	65.81	122.20	-56.39	58.92	6.89	Peak	202	350	3	5855.00	63.60	110.80	-47.20	56.70	6.90	Peak	202	350	4	5875.00	60.39	105.20	-44.81	53.46	6.93	Peak	202	350	5	5925.00	59.21	68.20	-8.99	52.18	7.03	Peak	202	350	6	11650.00	43.60	54.00	-10.40	28.89	14.71	Average	100	355	7	11650.00	57.29	74.00	-16.71	42.58	14.71	Peak	100	355	8	17475.00	60.91	68.20	-7.29	41.46	19.45	Peak	100	40
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	58.72	68.20	-9.48	52.45	6.27	Peak	202	350																																																																																				
2	5850.00	65.81	122.20	-56.39	58.92	6.89	Peak	202	350																																																																																				
3	5855.00	63.60	110.80	-47.20	56.70	6.90	Peak	202	350																																																																																				
4	5875.00	60.39	105.20	-44.81	53.46	6.93	Peak	202	350																																																																																				
5	5925.00	59.21	68.20	-8.99	52.18	7.03	Peak	202	350																																																																																				
6	11650.00	43.60	54.00	-10.40	28.89	14.71	Average	100	355																																																																																				
7	11650.00	57.29	74.00	-16.71	42.58	14.71	Peak	100	355																																																																																				
8	17475.00	60.91	68.20	-7.29	41.46	19.45	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).																																																																																													

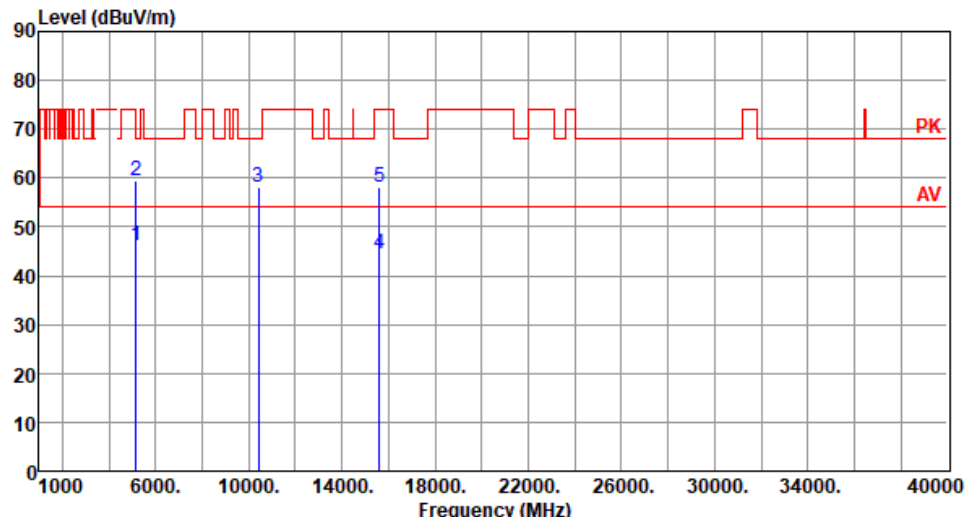
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):23 Humidity(%):62			
Level (dBUV/m)			

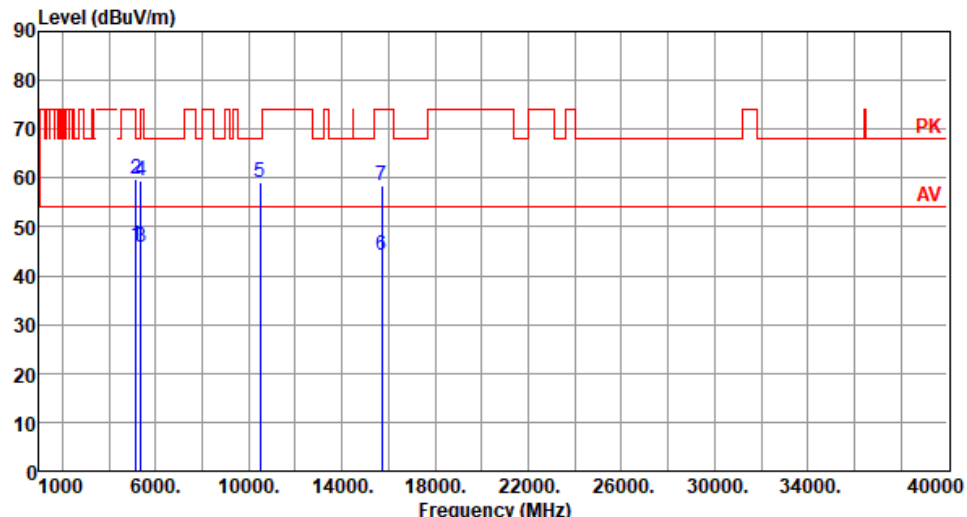
3.5.3 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

Modulation	VHT20	Test Freq. (MHz)	5180																																																												
Polarization	Horizontal																																																														
Test By :Roger Lu Temperature(°C):24 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</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>52.79</td><td>54.00</td><td>-1.21</td><td>46.68</td><td>6.11</td><td>Average</td><td>190</td><td>19</td></tr><tr><td>2</td><td>5150.00</td><td>66.29</td><td>74.00</td><td>-7.71</td><td>60.18</td><td>6.11</td><td>Peak</td><td>190</td><td>19</td></tr><tr><td>3</td><td>10360.00</td><td>58.69</td><td>68.20</td><td>-9.51</td><td>44.48</td><td>14.21</td><td>Peak</td><td>228</td><td>351</td></tr><tr><td>4</td><td>15540.00</td><td>44.63</td><td>54.00</td><td>-9.37</td><td>28.58</td><td>16.05</td><td>Average</td><td>100</td><td>51</td></tr><tr><td>5</td><td>15540.00</td><td>58.69</td><td>74.00</td><td>-15.31</td><td>42.64</td><td>16.05</td><td>Peak</td><td>100</td><td>51</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	52.79	54.00	-1.21	46.68	6.11	Average	190	19	2	5150.00	66.29	74.00	-7.71	60.18	6.11	Peak	190	19	3	10360.00	58.69	68.20	-9.51	44.48	14.21	Peak	228	351	4	15540.00	44.63	54.00	-9.37	28.58	16.05	Average	100	51	5	15540.00	58.69	74.00	-15.31	42.64	16.05	Peak	100	51
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																						
1	5150.00	52.79	54.00	-1.21	46.68	6.11	Average	190	19																																																						
2	5150.00	66.29	74.00	-7.71	60.18	6.11	Peak	190	19																																																						
3	10360.00	58.69	68.20	-9.51	44.48	14.21	Peak	228	351																																																						
4	15540.00	44.63	54.00	-9.37	28.58	16.05	Average	100	51																																																						
5	15540.00	58.69	74.00	-15.31	42.64	16.05	Peak	100	51																																																						
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).																																																															

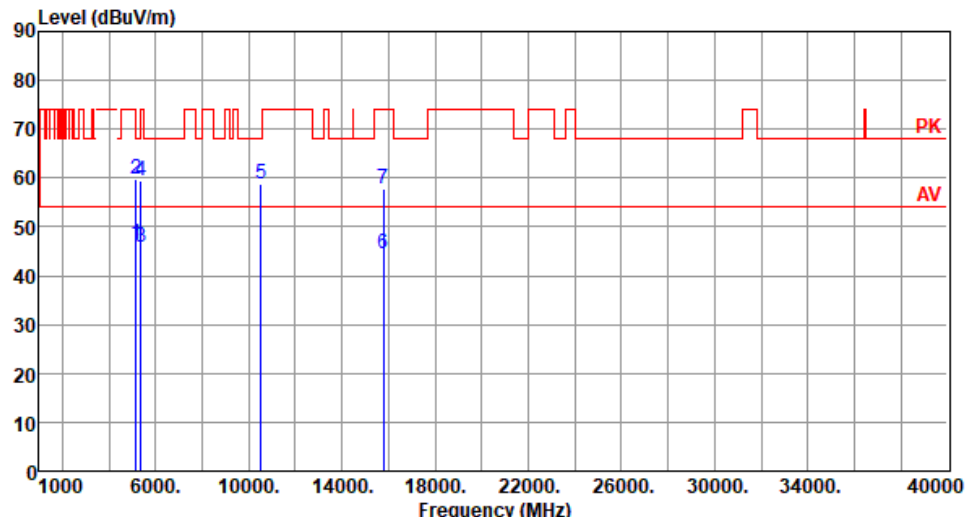
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) </			

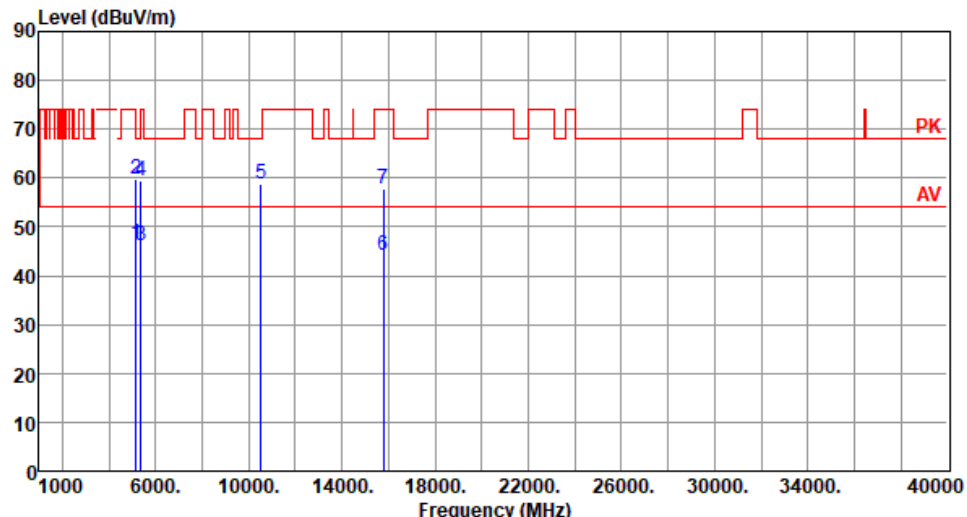
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5200																																																													
Polarization	Vertical																																																															
Test By :Roger Lu Temperature(°C):24 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>46.24</td><td>54.00</td><td>-7.76</td><td>40.13</td><td>6.11</td><td>Average</td><td>134</td><td>42</td></tr><tr><td>2</td><td>5150.00</td><td>59.48</td><td>74.00</td><td>-14.52</td><td>53.37</td><td>6.11</td><td>Peak</td><td>134</td><td>42</td></tr><tr><td>3</td><td>10400.00</td><td>58.19</td><td>68.20</td><td>-10.01</td><td>43.73</td><td>14.46</td><td>Peak</td><td>155</td><td>314</td></tr><tr><td>4</td><td>15600.00</td><td>44.41</td><td>54.00</td><td>-9.59</td><td>28.66</td><td>15.75</td><td>Average</td><td>100</td><td>54</td></tr><tr><td>5</td><td>15600.00</td><td>58.06</td><td>74.00</td><td>-15.94</td><td>42.31</td><td>15.75</td><td>Peak</td><td>100</td><td>54</td></tr></table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	46.24	54.00	-7.76	40.13	6.11	Average	134	42	2	5150.00	59.48	74.00	-14.52	53.37	6.11	Peak	134	42	3	10400.00	58.19	68.20	-10.01	43.73	14.46	Peak	155	314	4	15600.00	44.41	54.00	-9.59	28.66	15.75	Average	100	54	5	15600.00	58.06	74.00	-15.94	42.31	15.75	Peak	100	54			
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																							
1	5150.00	46.24	54.00	-7.76	40.13	6.11	Average	134	42																																																							
2	5150.00	59.48	74.00	-14.52	53.37	6.11	Peak	134	42																																																							
3	10400.00	58.19	68.20	-10.01	43.73	14.46	Peak	155	314																																																							
4	15600.00	44.41	54.00	-9.59	28.66	15.75	Average	100	54																																																							
5	15600.00	58.06	74.00	-15.94	42.31	15.75	Peak	100	54																																																							
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(%):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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>46.24</td><td>54.00</td><td>-7.76</td><td>40.13</td><td>6.11</td><td>Average</td><td>188</td><td>8</td></tr><tr><td>2</td><td>5150.00</td><td>59.76</td><td>74.00</td><td>-14.24</td><td>53.65</td><td>6.11</td><td>Peak</td><td>188</td><td>8</td></tr><tr><td>3</td><td>5350.00</td><td>45.73</td><td>54.00</td><td>-8.27</td><td>40.15</td><td>5.58</td><td>Average</td><td>188</td><td>8</td></tr><tr><td>4</td><td>5350.00</td><td>59.47</td><td>74.00</td><td>-14.53</td><td>53.89</td><td>5.58</td><td>Peak</td><td>188</td><td>8</td></tr><tr><td>5</td><td>10480.00</td><td>58.95</td><td>68.20</td><td>-9.25</td><td>44.55</td><td>14.40</td><td>Peak</td><td>235</td><td>359</td></tr><tr><td>6</td><td>15720.00</td><td>44.05</td><td>54.00</td><td>-9.95</td><td>28.34</td><td>15.71</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>7</td><td>15720.00</td><td>58.29</td><td>74.00</td><td>-15.71</td><td>42.58</td><td>15.71</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	Remark	ANT High cm	Turn Table deg	1	5150.00	46.24	54.00	-7.76	40.13	6.11	Average	188	8	2	5150.00	59.76	74.00	-14.24	53.65	6.11	Peak	188	8	3	5350.00	45.73	54.00	-8.27	40.15	5.58	Average	188	8	4	5350.00	59.47	74.00	-14.53	53.89	5.58	Peak	188	8	5	10480.00	58.95	68.20	-9.25	44.55	14.40	Peak	235	359	6	15720.00	44.05	54.00	-9.95	28.34	15.71	Average	100	30	7	15720.00	58.29	74.00	-15.71	42.58	15.71	Peak	100	30
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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4	5350.00	59.47	74.00	-14.53	53.89	5.58	Peak	188	8																																																																										
5	10480.00	58.95	68.20	-9.25	44.55	14.40	Peak	235	359																																																																										
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Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5260																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):24 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>46.36</td><td>54.00</td><td>-7.64</td><td>40.25</td><td>6.11</td><td>Average</td><td>175</td><td>6</td></tr><tr><td>2</td><td>5150.00</td><td>59.70</td><td>74.00</td><td>-14.30</td><td>53.59</td><td>6.11</td><td>Peak</td><td>175</td><td>6</td></tr><tr><td>3</td><td>5350.00</td><td>45.91</td><td>54.00</td><td>-8.09</td><td>40.33</td><td>5.58</td><td>Average</td><td>175</td><td>6</td></tr><tr><td>4</td><td>5350.00</td><td>59.47</td><td>74.00</td><td>-14.53</td><td>53.89</td><td>5.58</td><td>Peak</td><td>175</td><td>6</td></tr><tr><td>5</td><td>10520.00</td><td>58.65</td><td>68.20</td><td>-9.55</td><td>44.21</td><td>14.44</td><td>Peak</td><td>244</td><td>356</td></tr><tr><td>6</td><td>15780.00</td><td>44.50</td><td>54.00</td><td>-9.50</td><td>29.02</td><td>15.48</td><td>Average</td><td>100</td><td>30</td></tr><tr><td>7</td><td>15780.00</td><td>57.77</td><td>74.00</td><td>-16.23</td><td>42.29</td><td>15.48</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	Remark	ANT High cm	Turn Table deg	1	5150.00	46.36	54.00	-7.64	40.25	6.11	Average	175	6	2	5150.00	59.70	74.00	-14.30	53.59	6.11	Peak	175	6	3	5350.00	45.91	54.00	-8.09	40.33	5.58	Average	175	6	4	5350.00	59.47	74.00	-14.53	53.89	5.58	Peak	175	6	5	10520.00	58.65	68.20	-9.55	44.21	14.44	Peak	244	356	6	15780.00	44.50	54.00	-9.50	29.02	15.48	Average	100	30	7	15780.00	57.77	74.00	-16.23	42.29	15.48	Peak	100	30
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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Modulation	VHT20	Test Freq. (MHz)	5260																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):24 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>46.45</td><td>54.00</td><td>-7.55</td><td>40.34</td><td>6.11</td><td>Average</td><td>124</td><td>51</td></tr><tr><td>2</td><td>5150.00</td><td>59.77</td><td>74.00</td><td>-14.23</td><td>53.66</td><td>6.11</td><td>Peak</td><td>124</td><td>51</td></tr><tr><td>3</td><td>5350.00</td><td>46.15</td><td>54.00</td><td>-7.85</td><td>40.57</td><td>5.58</td><td>Average</td><td>124</td><td>51</td></tr><tr><td>4</td><td>5350.00</td><td>59.38</td><td>74.00</td><td>-14.62</td><td>53.80</td><td>5.58</td><td>Peak</td><td>124</td><td>51</td></tr><tr><td>5</td><td>10520.00</td><td>58.85</td><td>68.20</td><td>-9.35</td><td>44.41</td><td>14.44</td><td>Peak</td><td>138</td><td>326</td></tr><tr><td>6</td><td>15780.00</td><td>44.31</td><td>54.00</td><td>-9.69</td><td>28.83</td><td>15.48</td><td>Average</td><td>100</td><td>22</td></tr><tr><td>7</td><td>15780.00</td><td>57.86</td><td>74.00</td><td>-16.14</td><td>42.38</td><td>15.48</td><td>Peak</td><td>100</td><td>22</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	46.45	54.00	-7.55	40.34	6.11	Average	124	51	2	5150.00	59.77	74.00	-14.23	53.66	6.11	Peak	124	51	3	5350.00	46.15	54.00	-7.85	40.57	5.58	Average	124	51	4	5350.00	59.38	74.00	-14.62	53.80	5.58	Peak	124	51	5	10520.00	58.85	68.20	-9.35	44.41	14.44	Peak	138	326	6	15780.00	44.31	54.00	-9.69	28.83	15.48	Average	100	22	7	15780.00	57.86	74.00	-16.14	42.38	15.48	Peak	100	22
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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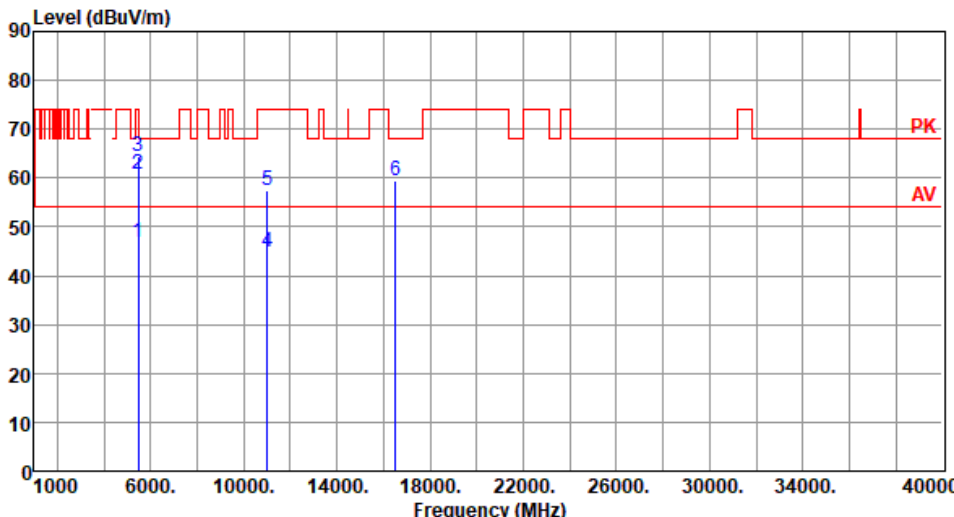
Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

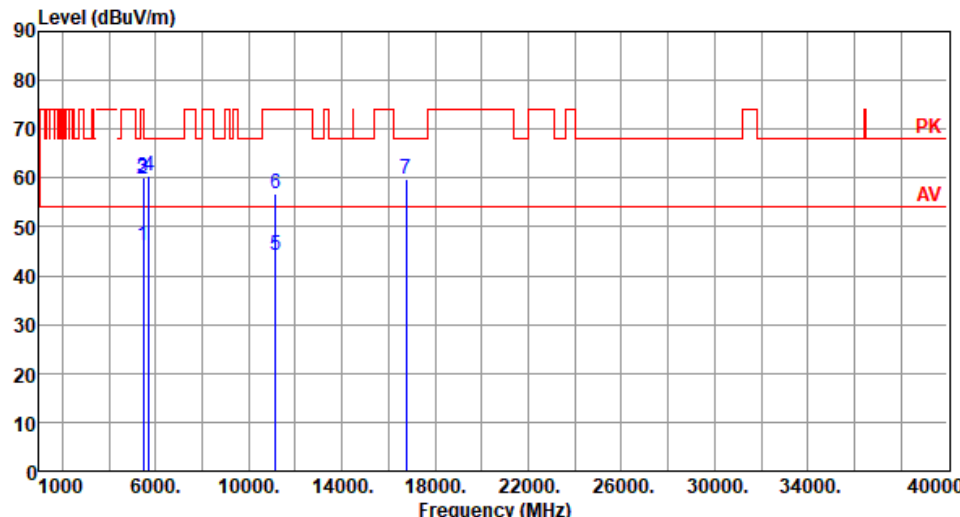
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m)			

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5500																																																																						
Polarization	Horizontal																																																																								
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																									
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																
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Modulation	VHT20	Test Freq. (MHz)	5500																																																																						
Polarization	Vertical																																																																								
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																									
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																
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Modulation	VHT20	Test Freq. (MHz)	5580																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																			
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>46.37</td><td>54.00</td><td>-7.63</td><td>40.15</td><td>6.22</td><td>Average</td><td>184</td><td>6</td></tr><tr><td>2</td><td>5460.00</td><td>59.90</td><td>74.00</td><td>-14.10</td><td>53.68</td><td>6.22</td><td>Peak</td><td>184</td><td>6</td></tr><tr><td>3</td><td>5470.00</td><td>60.25</td><td>68.20</td><td>-7.95</td><td>53.99</td><td>6.26</td><td>Peak</td><td>184</td><td>6</td></tr><tr><td>4</td><td>5725.00</td><td>60.51</td><td>68.20</td><td>-7.69</td><td>53.98</td><td>6.53</td><td>Peak</td><td>184</td><td>6</td></tr><tr><td>5</td><td>11160.00</td><td>43.44</td><td>54.00</td><td>-10.56</td><td>28.60</td><td>14.84</td><td>Average</td><td>100</td><td>55</td></tr><tr><td>6</td><td>11160.00</td><td>56.75</td><td>74.00</td><td>-17.25</td><td>41.91</td><td>14.84</td><td>Peak</td><td>100</td><td>55</td></tr><tr><td>7</td><td>16740.00</td><td>59.48</td><td>68.20</td><td>-8.72</td><td>41.93</td><td>17.55</td><td>Peak</td><td>100</td><td>12</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5460.00	46.37	54.00	-7.63	40.15	6.22	Average	184	6	2	5460.00	59.90	74.00	-14.10	53.68	6.22	Peak	184	6	3	5470.00	60.25	68.20	-7.95	53.99	6.26	Peak	184	6	4	5725.00	60.51	68.20	-7.69	53.98	6.53	Peak	184	6	5	11160.00	43.44	54.00	-10.56	28.60	14.84	Average	100	55	6	11160.00	56.75	74.00	-17.25	41.91	14.84	Peak	100	55	7	16740.00	59.48	68.20	-8.72	41.93	17.55	Peak	100	12
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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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)	5580																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):24 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>46.15</td><td>54.00</td><td>-7.85</td><td>39.93</td><td>6.22</td><td>Average</td><td>154</td><td>358</td></tr><tr><td>2</td><td>5460.00</td><td>59.72</td><td>74.00</td><td>-14.28</td><td>53.50</td><td>6.22</td><td>Peak</td><td>154</td><td>358</td></tr><tr><td>3</td><td>5470.00</td><td>59.96</td><td>68.20</td><td>-8.24</td><td>53.70</td><td>6.26</td><td>Peak</td><td>154</td><td>358</td></tr><tr><td>4</td><td>5725.00</td><td>60.36</td><td>68.20</td><td>-7.84</td><td>53.83</td><td>6.53</td><td>Peak</td><td>154</td><td>358</td></tr><tr><td>5</td><td>11160.00</td><td>44.09</td><td>54.00</td><td>-9.91</td><td>29.25</td><td>14.84</td><td>Average</td><td>149</td><td>48</td></tr><tr><td>6</td><td>11160.00</td><td>56.89</td><td>74.00</td><td>-17.11</td><td>42.05</td><td>14.84</td><td>Peak</td><td>149</td><td>48</td></tr><tr><td>7</td><td>16740.00</td><td>59.86</td><td>68.20</td><td>-8.34</td><td>42.31</td><td>17.55</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	Remark	ANT High cm	Turn Table deg	1	5460.00	46.15	54.00	-7.85	39.93	6.22	Average	154	358	2	5460.00	59.72	74.00	-14.28	53.50	6.22	Peak	154	358	3	5470.00	59.96	68.20	-8.24	53.70	6.26	Peak	154	358	4	5725.00	60.36	68.20	-7.84	53.83	6.53	Peak	154	358	5	11160.00	44.09	54.00	-9.91	29.25	14.84	Average	149	48	6	11160.00	56.89	74.00	-17.11	42.05	14.84	Peak	149	48	7	16740.00	59.86	68.20	-8.34	42.31	17.55	Peak	100	50
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
1	5460.00	46.15	54.00	-7.85	39.93	6.22	Average	154	358																																																																										
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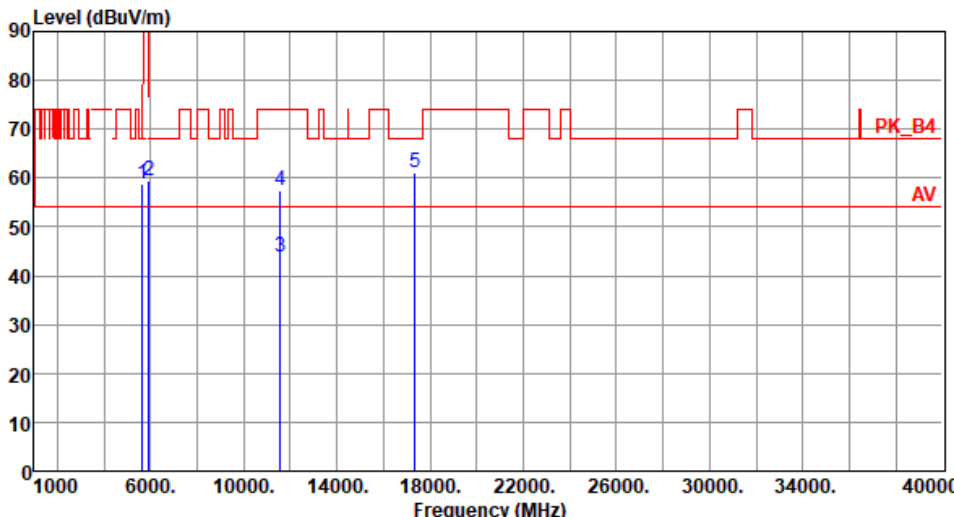
Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m)			

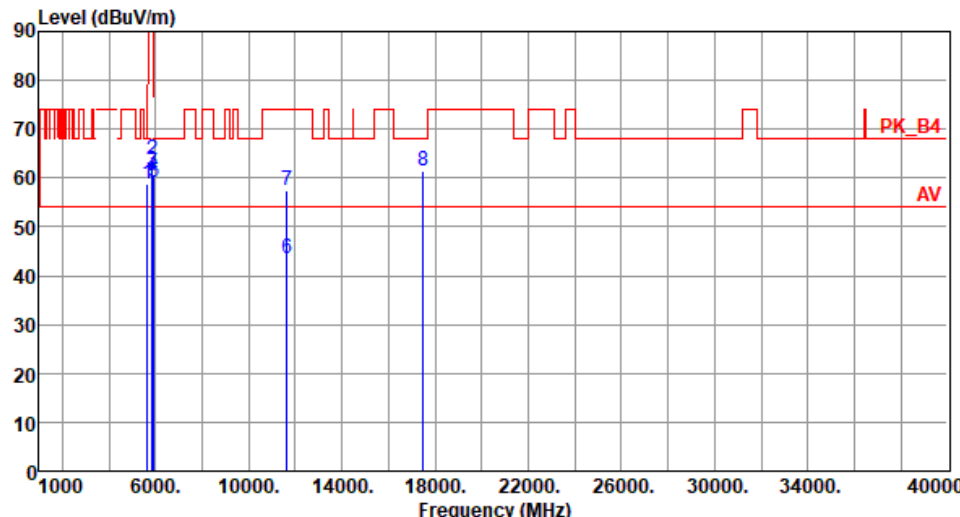
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m)			

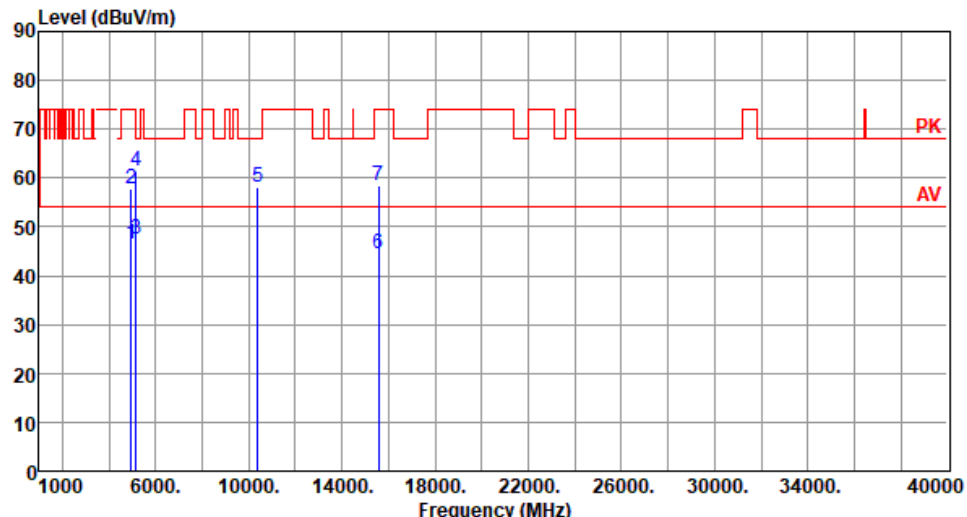
Modulation	VHT20	Test Freq. (MHz)	5785																																																												
Polarization	Vertical																																																														
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																															
Level (dBUV/m)  <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB</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>58.64</td><td>68.20</td><td>-9.56</td><td>52.37</td><td>6.27</td><td>Peak</td><td>165</td><td>356</td></tr><tr><td>2</td><td>5925.00</td><td>59.38</td><td>68.20</td><td>-8.82</td><td>52.35</td><td>7.03</td><td>Peak</td><td>165</td><td>356</td></tr><tr><td>3</td><td>11570.00</td><td>43.82</td><td>54.00</td><td>-10.18</td><td>28.79</td><td>15.03</td><td>Average</td><td>100</td><td>11</td></tr><tr><td>4</td><td>11570.00</td><td>57.46</td><td>74.00</td><td>-16.54</td><td>42.43</td><td>15.03</td><td>Peak</td><td>100</td><td>11</td></tr><tr><td>5</td><td>17355.00</td><td>61.17</td><td>68.20</td><td>-7.03</td><td>42.63</td><td>18.54</td><td>Peak</td><td>100</td><td>39</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	Remark	ANT High cm	Turn Table deg	1	5650.00	58.64	68.20	-9.56	52.37	6.27	Peak	165	356	2	5925.00	59.38	68.20	-8.82	52.35	7.03	Peak	165	356	3	11570.00	43.82	54.00	-10.18	28.79	15.03	Average	100	11	4	11570.00	57.46	74.00	-16.54	42.43	15.03	Peak	100	11	5	17355.00	61.17	68.20	-7.03	42.63	18.54	Peak	100	39
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																						
1	5650.00	58.64	68.20	-9.56	52.37	6.27	Peak	165	356																																																						
2	5925.00	59.38	68.20	-8.82	52.35	7.03	Peak	165	356																																																						
3	11570.00	43.82	54.00	-10.18	28.79	15.03	Average	100	11																																																						
4	11570.00	57.46	74.00	-16.54	42.43	15.03	Peak	100	11																																																						
5	17355.00	61.17	68.20	-7.03	42.63	18.54	Peak	100	39																																																						

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

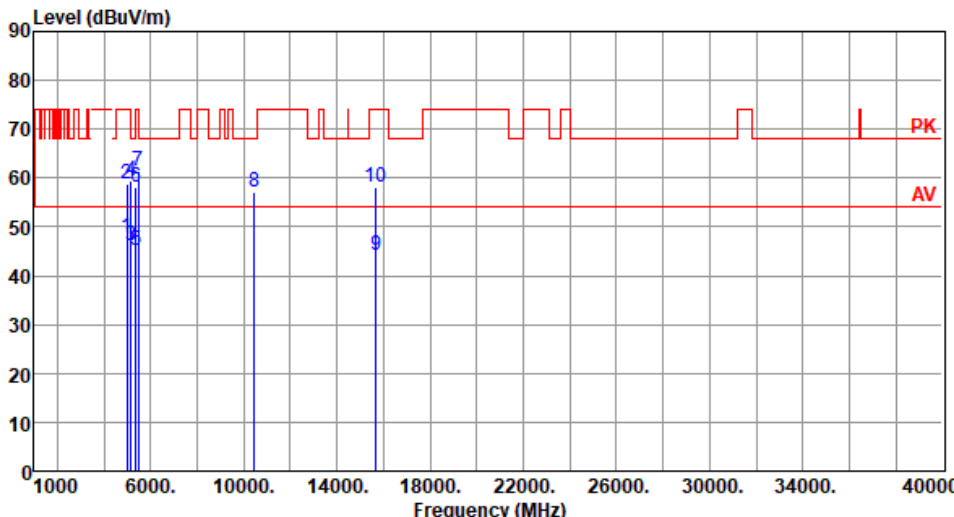
Modulation	VHT20	Test Freq. (MHz)	5825																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																													
Level (dBUV/m)  <table><tr><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>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB</th><th></th><th>High</th><th>Table</th></tr><tr><td>1</td><td>5650.00</td><td>58.69</td><td>68.20</td><td>-9.51</td><td>52.42</td><td>6.27</td><td>Peak</td><td>351</td></tr><tr><td>2</td><td>5850.00</td><td>63.64</td><td>122.20</td><td>-58.56</td><td>56.75</td><td>6.89</td><td>Peak</td><td>351</td></tr><tr><td>3</td><td>5855.00</td><td>61.56</td><td>110.80</td><td>-49.24</td><td>54.66</td><td>6.90</td><td>Peak</td><td>351</td></tr><tr><td>4</td><td>5875.00</td><td>60.34</td><td>105.20</td><td>-44.86</td><td>53.41</td><td>6.93</td><td>Peak</td><td>351</td></tr><tr><td>5</td><td>5925.00</td><td>59.22</td><td>68.20</td><td>-8.98</td><td>52.19</td><td>7.03</td><td>Peak</td><td>351</td></tr><tr><td>6</td><td>11650.00</td><td>43.65</td><td>54.00</td><td>-10.35</td><td>28.94</td><td>14.71</td><td>Average</td><td>21</td></tr><tr><td>7</td><td>11650.00</td><td>57.42</td><td>74.00</td><td>-16.58</td><td>42.71</td><td>14.71</td><td>Peak</td><td>21</td></tr><tr><td>8</td><td>17475.00</td><td>61.29</td><td>68.20</td><td>-6.91</td><td>41.84</td><td>19.45</td><td>Peak</td><td>68</td></tr></table>				Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	reading	dB		High	Table	1	5650.00	58.69	68.20	-9.51	52.42	6.27	Peak	351	2	5850.00	63.64	122.20	-58.56	56.75	6.89	Peak	351	3	5855.00	61.56	110.80	-49.24	54.66	6.90	Peak	351	4	5875.00	60.34	105.20	-44.86	53.41	6.93	Peak	351	5	5925.00	59.22	68.20	-8.98	52.19	7.03	Peak	351	6	11650.00	43.65	54.00	-10.35	28.94	14.71	Average	21	7	11650.00	57.42	74.00	-16.58	42.71	14.71	Peak	21	8	17475.00	61.29	68.20	-6.91	41.84	19.45	Peak	68
Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																					
MHz	level	dBuV/m	dB	reading	dB		High	Table																																																																																					
1	5650.00	58.69	68.20	-9.51	52.42	6.27	Peak	351																																																																																					
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3	5855.00	61.56	110.80	-49.24	54.66	6.90	Peak	351																																																																																					
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8	17475.00	61.29	68.20	-6.91	41.84	19.45	Peak	68																																																																																					
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).																																																																																													

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

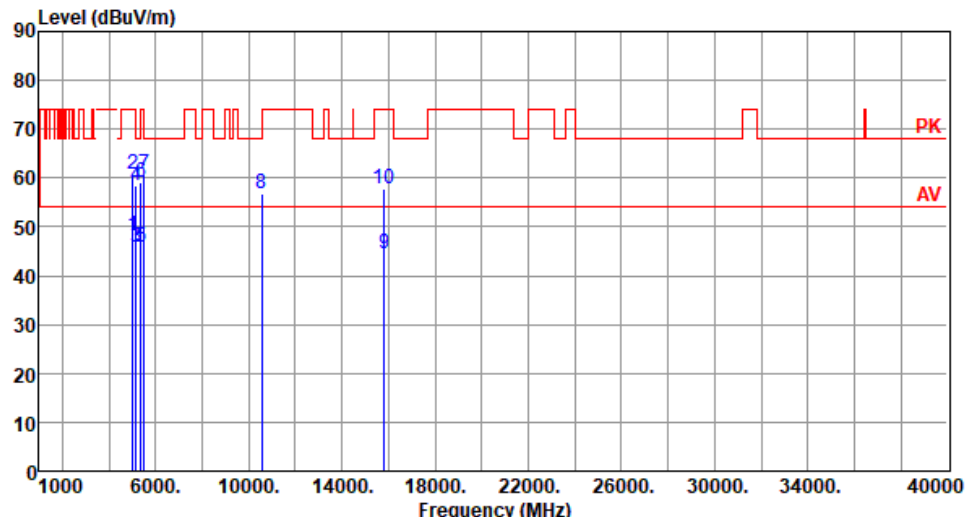
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5190						
Polarization	Vertical								
Test By :Roger Lu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4950.00	46.55	54.00	-7.45	41.30	5.25	Average	211	355
2	4950.00	57.92	74.00	-16.08	52.67	5.25	Peak	211	355
3	5150.00	47.62	54.00	-6.38	41.51	6.11	Average	138	49
4	5150.00	61.45	74.00	-12.55	55.34	6.11	Peak	138	49
5	10380.00	58.14	68.20	-10.06	43.80	14.34	Peak	124	39
6	15570.00	44.39	54.00	-9.61	28.49	15.90	Average	100	94
7	15570.00	58.44	74.00	-15.56	42.54	15.90	Peak	100	94

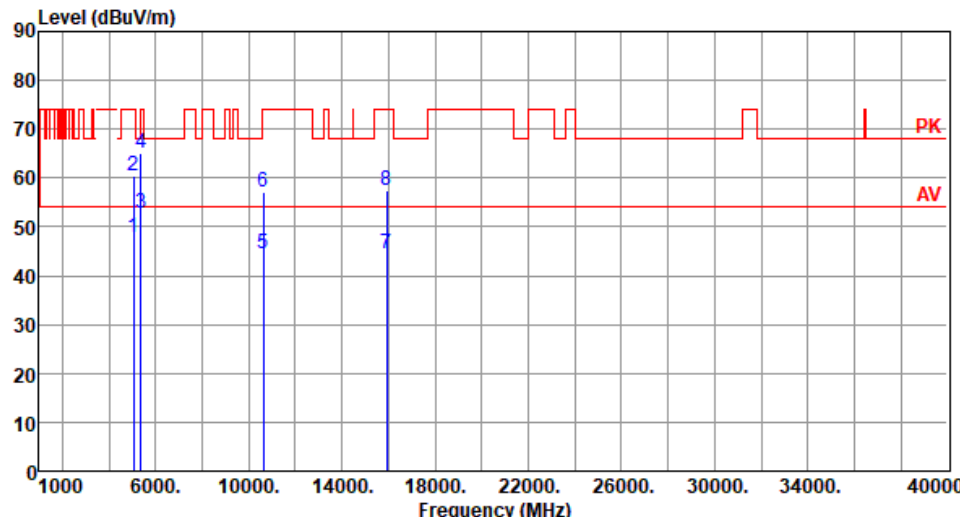
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

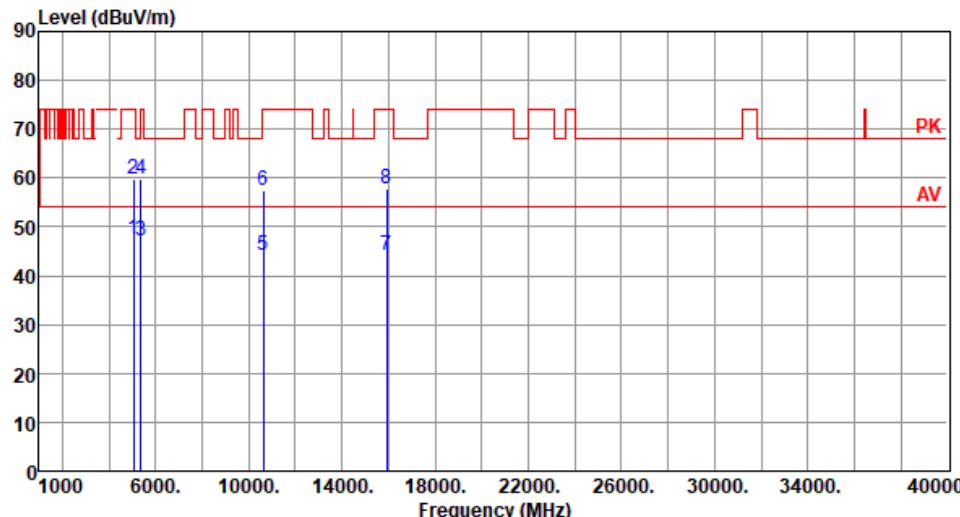
Modulation	VHT40	Test Freq. (MHz)	5230																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Roger Lu Temperature(°C):24 Humidity(%):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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>4990.00</td><td>47.82</td><td>54.00</td><td>-6.18</td><td>42.37</td><td>5.45</td><td>Average</td><td>167</td><td>6</td></tr><tr><td>2</td><td>4990.00</td><td>58.68</td><td>74.00</td><td>-15.32</td><td>53.23</td><td>5.45</td><td>Peak</td><td>167</td><td>6</td></tr><tr><td>3</td><td>5150.00</td><td>46.26</td><td>54.00</td><td>-7.74</td><td>40.15</td><td>6.11</td><td>Average</td><td>167</td><td>6</td></tr><tr><td>4</td><td>5150.00</td><td>59.59</td><td>74.00</td><td>-14.41</td><td>53.48</td><td>6.11</td><td>Peak</td><td>167</td><td>6</td></tr><tr><td>5</td><td>5350.00</td><td>45.20</td><td>54.00</td><td>-8.80</td><td>39.62</td><td>5.58</td><td>Average</td><td>167</td><td>6</td></tr><tr><td>6</td><td>5350.00</td><td>58.26</td><td>74.00</td><td>-15.74</td><td>52.68</td><td>5.58</td><td>Peak</td><td>167</td><td>6</td></tr><tr><td>7</td><td>5470.00</td><td>61.31</td><td>68.20</td><td>-6.89</td><td>55.05</td><td>6.26</td><td>Peak</td><td>167</td><td>6</td></tr><tr><td>8</td><td>10460.00</td><td>57.00</td><td>68.20</td><td>-11.20</td><td>42.58</td><td>14.42</td><td>Peak</td><td>100</td><td>60</td></tr><tr><td>9</td><td>15690.00</td><td>44.23</td><td>54.00</td><td>-9.77</td><td>28.45</td><td>15.78</td><td>Average</td><td>100</td><td>40</td></tr><tr><td>10</td><td>15690.00</td><td>58.26</td><td>74.00</td><td>-15.74</td><td>42.48</td><td>15.78</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	Remark	ANT High cm	Turn Table deg	1	4990.00	47.82	54.00	-6.18	42.37	5.45	Average	167	6	2	4990.00	58.68	74.00	-15.32	53.23	5.45	Peak	167	6	3	5150.00	46.26	54.00	-7.74	40.15	6.11	Average	167	6	4	5150.00	59.59	74.00	-14.41	53.48	6.11	Peak	167	6	5	5350.00	45.20	54.00	-8.80	39.62	5.58	Average	167	6	6	5350.00	58.26	74.00	-15.74	52.68	5.58	Peak	167	6	7	5470.00	61.31	68.20	-6.89	55.05	6.26	Peak	167	6	8	10460.00	57.00	68.20	-11.20	42.58	14.42	Peak	100	60	9	15690.00	44.23	54.00	-9.77	28.45	15.78	Average	100	40	10	15690.00	58.26	74.00	-15.74	42.48	15.78	Peak	100	40
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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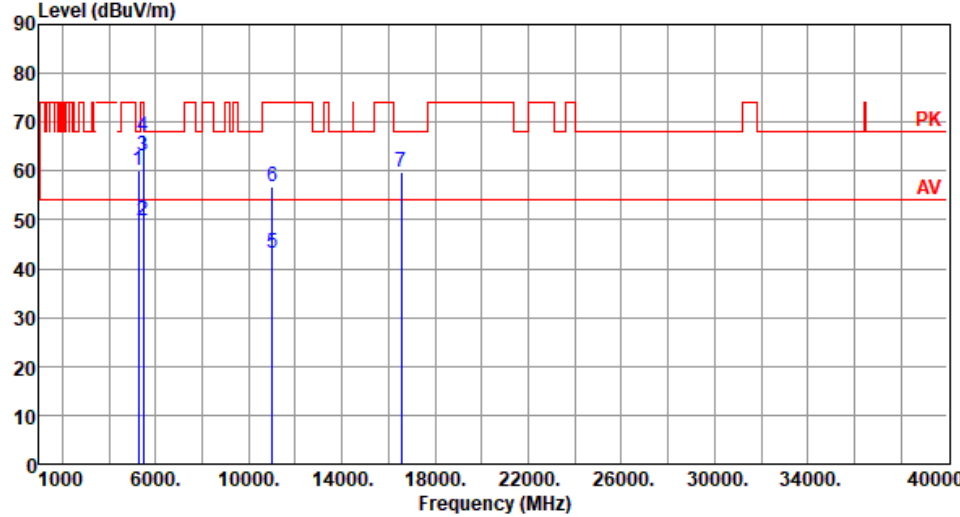
Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

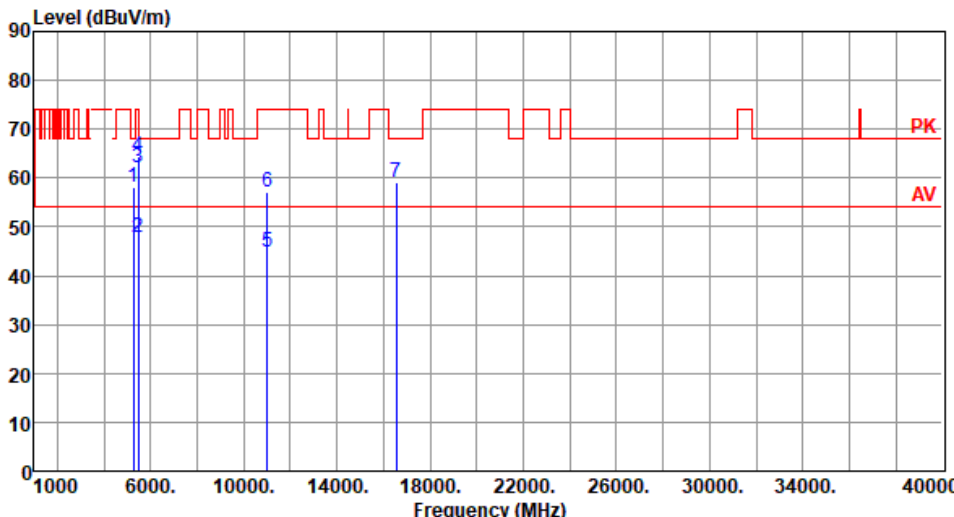
Modulation	VHT40	Test Freq. (MHz)	5270																																																																																																														
Polarization	Horizontal																																																																																																																
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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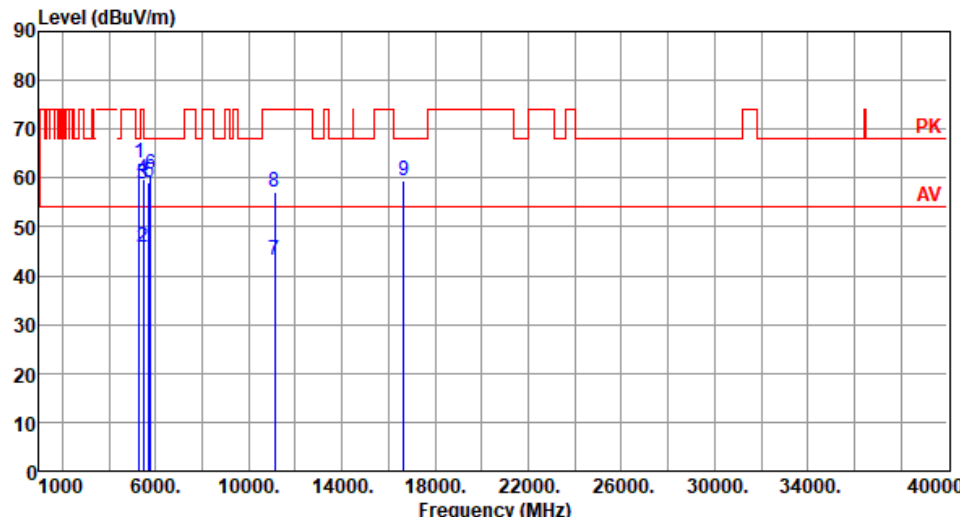
Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

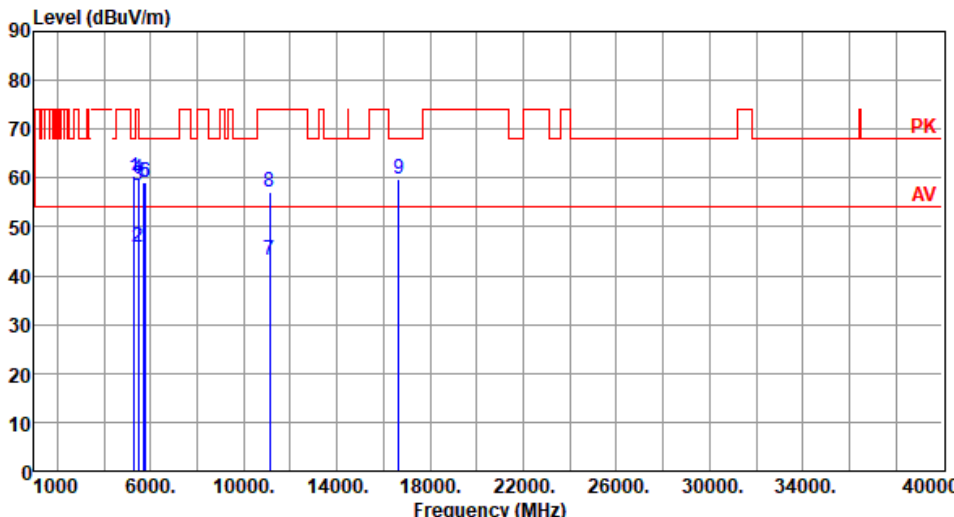
Modulation	VHT40	Test Freq. (MHz)	5310																																																																																										
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
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4	5350.00	65.06	74.00	-8.94	59.48	5.58	Peak	185	12																																																																																				
5	10620.00	44.42	54.00	-9.58	29.78	14.64	Average	251	355																																																																																				
6	10620.00	57.16	74.00	-16.84	42.52	14.64	Peak	251	355																																																																																				
7	15930.00	44.52	54.00	-9.48	29.23	15.29	Average	100	95																																																																																				
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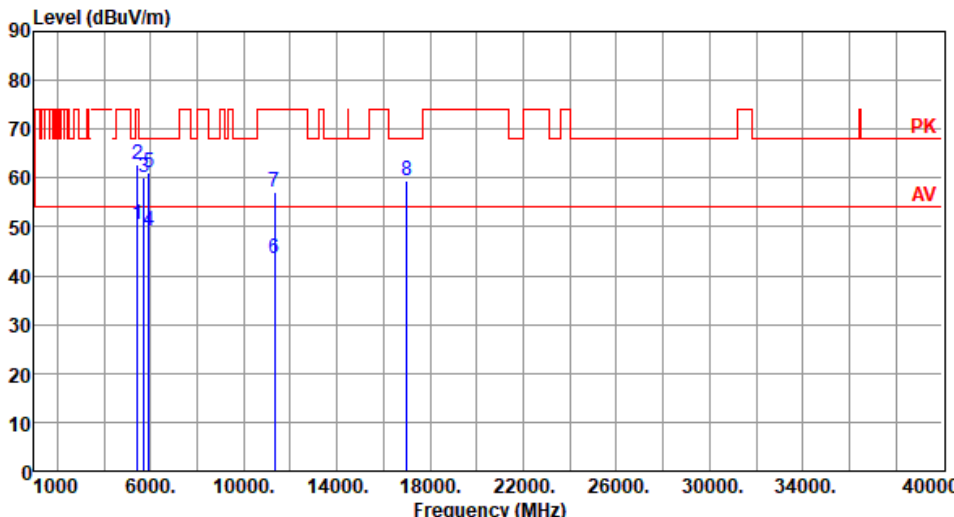
Modulation	VHT40	Test Freq. (MHz)	5310																																																																																										
Polarization	Vertical																																																																																												
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																													
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5070.00</td><td>47.52</td><td>54.00</td><td>-6.48</td><td>41.65</td><td>5.87</td><td>Average</td><td>215</td><td>356</td></tr><tr><td>2</td><td>5070.00</td><td>59.88</td><td>74.00</td><td>-14.12</td><td>54.01</td><td>5.87</td><td>Peak</td><td>215</td><td>356</td></tr><tr><td>3</td><td>5350.00</td><td>47.26</td><td>54.00</td><td>-6.74</td><td>41.68</td><td>5.58</td><td>Average</td><td>133</td><td>38</td></tr><tr><td>4</td><td>5350.00</td><td>59.94</td><td>74.00</td><td>-14.06</td><td>54.36</td><td>5.58</td><td>Peak</td><td>133</td><td>38</td></tr><tr><td>5</td><td>10620.00</td><td>44.31</td><td>54.00</td><td>-9.69</td><td>29.67</td><td>14.64</td><td>Average</td><td>149</td><td>314</td></tr><tr><td>6</td><td>10620.00</td><td>57.29</td><td>74.00</td><td>-16.71</td><td>42.65</td><td>14.64</td><td>Peak</td><td>149</td><td>314</td></tr><tr><td>7</td><td>15930.00</td><td>44.15</td><td>54.00</td><td>-9.85</td><td>28.86</td><td>15.29</td><td>Average</td><td>100</td><td>59</td></tr><tr><td>8</td><td>15930.00</td><td>57.74</td><td>74.00</td><td>-16.26</td><td>42.45</td><td>15.29</td><td>Peak</td><td>100</td><td>59</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5070.00	47.52	54.00	-6.48	41.65	5.87	Average	215	356	2	5070.00	59.88	74.00	-14.12	54.01	5.87	Peak	215	356	3	5350.00	47.26	54.00	-6.74	41.68	5.58	Average	133	38	4	5350.00	59.94	74.00	-14.06	54.36	5.58	Peak	133	38	5	10620.00	44.31	54.00	-9.69	29.67	14.64	Average	149	314	6	10620.00	57.29	74.00	-16.71	42.65	14.64	Peak	149	314	7	15930.00	44.15	54.00	-9.85	28.86	15.29	Average	100	59	8	15930.00	57.74	74.00	-16.26	42.45	15.29	Peak	100	59
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
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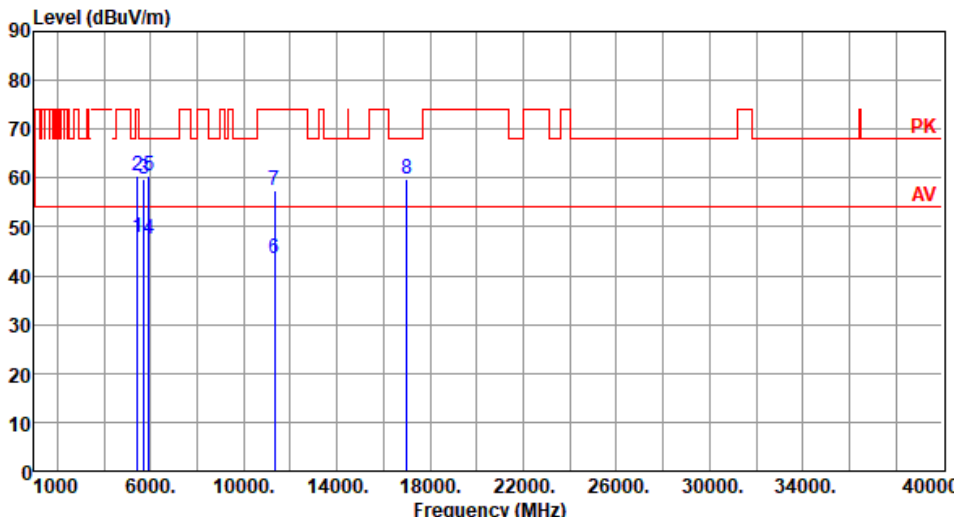
Modulation	VHT40	Test Freq. (MHz)	5510																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																			
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5270.00</td><td>60.27</td><td>68.20</td><td>-7.93</td><td>54.70</td><td>5.57</td><td>Peak</td><td>175</td><td>15</td></tr><tr><td>2</td><td>5460.00</td><td>49.96</td><td>54.00</td><td>-4.04</td><td>43.74</td><td>6.22</td><td>Average</td><td>175</td><td>15</td></tr><tr><td>3</td><td>5460.00</td><td>62.96</td><td>74.00</td><td>-11.04</td><td>56.74</td><td>6.22</td><td>Peak</td><td>175</td><td>15</td></tr><tr><td>4</td><td>5470.00</td><td>67.12</td><td>68.20</td><td>-1.08</td><td>60.86</td><td>6.26</td><td>Peak</td><td>175</td><td>15</td></tr><tr><td>5</td><td>11020.00</td><td>43.24</td><td>54.00</td><td>-10.76</td><td>27.93</td><td>15.31</td><td>Average</td><td>105</td><td>68</td></tr><tr><td>6</td><td>11020.00</td><td>56.69</td><td>74.00</td><td>-17.31</td><td>41.38</td><td>15.31</td><td>Peak</td><td>105</td><td>68</td></tr><tr><td>7</td><td>16530.00</td><td>59.88</td><td>68.20</td><td>-8.32</td><td>42.93</td><td>16.95</td><td>Peak</td><td>102</td><td>35</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	Remark	ANT High cm	Turn Table deg	1	5270.00	60.27	68.20	-7.93	54.70	5.57	Peak	175	15	2	5460.00	49.96	54.00	-4.04	43.74	6.22	Average	175	15	3	5460.00	62.96	74.00	-11.04	56.74	6.22	Peak	175	15	4	5470.00	67.12	68.20	-1.08	60.86	6.26	Peak	175	15	5	11020.00	43.24	54.00	-10.76	27.93	15.31	Average	105	68	6	11020.00	56.69	74.00	-17.31	41.38	15.31	Peak	105	68	7	16530.00	59.88	68.20	-8.32	42.93	16.95	Peak	102	35
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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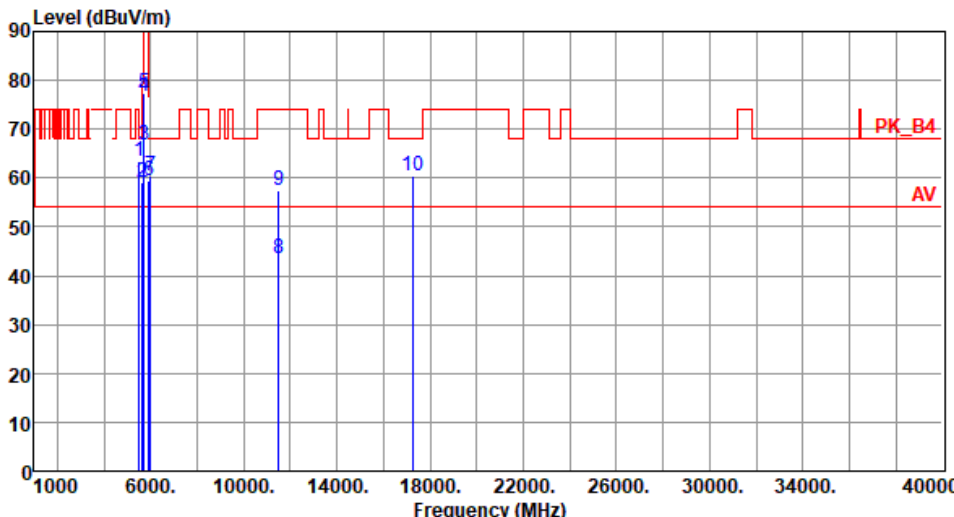
Modulation	VHT40	Test Freq. (MHz)	5510																																																																																
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Modulation	VHT40	Test Freq. (MHz)	5550																																																																																																				
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																														
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Modulation	VHT40	Test Freq. (MHz)	5550																																																																																																				
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	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																														
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6	11340.00	43.36	54.00	-10.64	28.46	14.90	Average	100	59																																																																																				
7	11340.00	57.28	74.00	-16.72	42.38	14.90	Peak	100	59																																																																																				
8	17010.00	59.61	68.20	-8.59	41.91	17.70	Peak	100	28																																																																																				
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	Vertical																																																																																												
Test By :Roger Lu Temperature(°C):24 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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5430.00</td><td>47.76</td><td>54.00</td><td>-6.24</td><td>41.68</td><td>6.08</td><td>Average</td><td>161</td><td>355</td></tr><tr><td>2</td><td>5430.00</td><td>60.33</td><td>74.00</td><td>-13.67</td><td>54.25</td><td>6.08</td><td>Peak</td><td>161</td><td>355</td></tr><tr><td>3</td><td>5725.00</td><td>59.68</td><td>68.20</td><td>-8.52</td><td>53.15</td><td>6.53</td><td>Peak</td><td>161</td><td>355</td></tr><tr><td>4</td><td>5910.00</td><td>47.55</td><td>54.00</td><td>-6.45</td><td>40.55</td><td>7.00</td><td>Average</td><td>161</td><td>355</td></tr><tr><td>5</td><td>5910.00</td><td>60.58</td><td>68.20</td><td>-7.62</td><td>53.58</td><td>7.00</td><td>Peak</td><td>161</td><td>355</td></tr><tr><td>6</td><td>11340.00</td><td>43.45</td><td>54.00</td><td>-10.55</td><td>28.55</td><td>14.90</td><td>Average</td><td>101</td><td>56</td></tr><tr><td>7</td><td>11340.00</td><td>57.29</td><td>74.00</td><td>-16.71</td><td>42.39</td><td>14.90</td><td>Peak</td><td>101</td><td>56</td></tr><tr><td>8</td><td>17010.00</td><td>59.82</td><td>68.20</td><td>-8.38</td><td>42.12</td><td>17.70</td><td>Peak</td><td>108</td><td>52</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	Remark	ANT High cm	Turn Table deg	1	5430.00	47.76	54.00	-6.24	41.68	6.08	Average	161	355	2	5430.00	60.33	74.00	-13.67	54.25	6.08	Peak	161	355	3	5725.00	59.68	68.20	-8.52	53.15	6.53	Peak	161	355	4	5910.00	47.55	54.00	-6.45	40.55	7.00	Average	161	355	5	5910.00	60.58	68.20	-7.62	53.58	7.00	Peak	161	355	6	11340.00	43.45	54.00	-10.55	28.55	14.90	Average	101	56	7	11340.00	57.29	74.00	-16.71	42.39	14.90	Peak	101	56	8	17010.00	59.82	68.20	-8.38	42.12	17.70	Peak	108	52
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
1	5430.00	47.76	54.00	-6.24	41.68	6.08	Average	161	355																																																																																				
2	5430.00	60.33	74.00	-13.67	54.25	6.08	Peak	161	355																																																																																				
3	5725.00	59.68	68.20	-8.52	53.15	6.53	Peak	161	355																																																																																				
4	5910.00	47.55	54.00	-6.45	40.55	7.00	Average	161	355																																																																																				
5	5910.00	60.58	68.20	-7.62	53.58	7.00	Peak	161	355																																																																																				
6	11340.00	43.45	54.00	-10.55	28.55	14.90	Average	101	56																																																																																				
7	11340.00	57.29	74.00	-16.71	42.39	14.90	Peak	101	56																																																																																				
8	17010.00	59.82	68.20	-8.38	42.12	17.70	Peak	108	52																																																																																				

Modulation	VHT40	Test Freq. (MHz)	5755																																																																																																																					
Polarization	Horizontal																																																																																																																							
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																																																								
Level (dBuV/m)  <table><tr><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>MHz</th><th>level</th><th></th><th></th><th>reading</th><th></th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5515.00</td><td>63.49</td><td>68.20</td><td>-4.71</td><td>57.18</td><td>6.31</td><td>Peak</td><td>198 347</td></tr><tr><td>2</td><td>5650.00</td><td>59.06</td><td>68.20</td><td>-9.14</td><td>52.79</td><td>6.27</td><td>Peak</td><td>198 347</td></tr><tr><td>3</td><td>5700.00</td><td>66.76</td><td>105.20</td><td>-38.44</td><td>60.29</td><td>6.47</td><td>Peak</td><td>198 347</td></tr><tr><td>4</td><td>5720.00</td><td>76.81</td><td>110.80</td><td>-33.99</td><td>70.29</td><td>6.52</td><td>Peak</td><td>198 347</td></tr><tr><td>5</td><td>5725.00</td><td>77.51</td><td>122.20</td><td>-44.69</td><td>70.98</td><td>6.53</td><td>Peak</td><td>198 347</td></tr><tr><td>6</td><td>5925.00</td><td>59.48</td><td>68.20</td><td>-8.72</td><td>52.45</td><td>7.03</td><td>Peak</td><td>198 347</td></tr><tr><td>7</td><td>5995.00</td><td>60.43</td><td>68.20</td><td>-7.77</td><td>53.45</td><td>6.98</td><td>Peak</td><td>198 347</td></tr><tr><td>8</td><td>11510.00</td><td>43.58</td><td>54.00</td><td>-10.42</td><td>28.50</td><td>15.08</td><td>Average</td><td>100 20</td></tr><tr><td>9</td><td>11510.00</td><td>57.40</td><td>74.00</td><td>-16.60</td><td>42.32</td><td>15.08</td><td>Peak</td><td>100 20</td></tr><tr><td>10</td><td>17265.00</td><td>60.38</td><td>68.20</td><td>-7.82</td><td>42.47</td><td>17.91</td><td>Peak</td><td>100 40</td></tr></table>				Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level			reading			High	Table								cm	deg	1	5515.00	63.49	68.20	-4.71	57.18	6.31	Peak	198 347	2	5650.00	59.06	68.20	-9.14	52.79	6.27	Peak	198 347	3	5700.00	66.76	105.20	-38.44	60.29	6.47	Peak	198 347	4	5720.00	76.81	110.80	-33.99	70.29	6.52	Peak	198 347	5	5725.00	77.51	122.20	-44.69	70.98	6.53	Peak	198 347	6	5925.00	59.48	68.20	-8.72	52.45	7.03	Peak	198 347	7	5995.00	60.43	68.20	-7.77	53.45	6.98	Peak	198 347	8	11510.00	43.58	54.00	-10.42	28.50	15.08	Average	100 20	9	11510.00	57.40	74.00	-16.60	42.32	15.08	Peak	100 20	10	17265.00	60.38	68.20	-7.82	42.47	17.91	Peak	100 40
Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																																
MHz	level			reading			High	Table																																																																																																																
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1	5515.00	63.49	68.20	-4.71	57.18	6.31	Peak	198 347																																																																																																																
2	5650.00	59.06	68.20	-9.14	52.79	6.27	Peak	198 347																																																																																																																
3	5700.00	66.76	105.20	-38.44	60.29	6.47	Peak	198 347																																																																																																																
4	5720.00	76.81	110.80	-33.99	70.29	6.52	Peak	198 347																																																																																																																
5	5725.00	77.51	122.20	-44.69	70.98	6.53	Peak	198 347																																																																																																																
6	5925.00	59.48	68.20	-8.72	52.45	7.03	Peak	198 347																																																																																																																
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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).																																																																																																																								

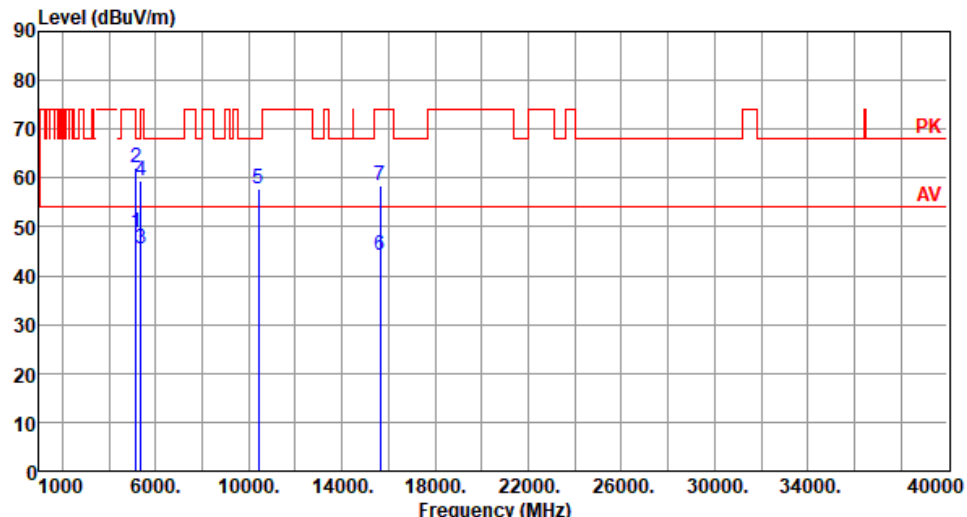
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

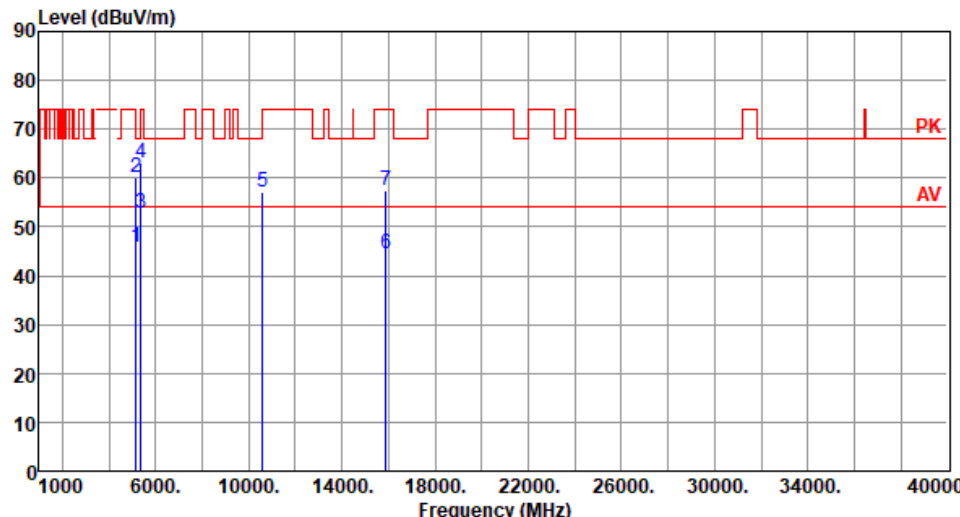
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

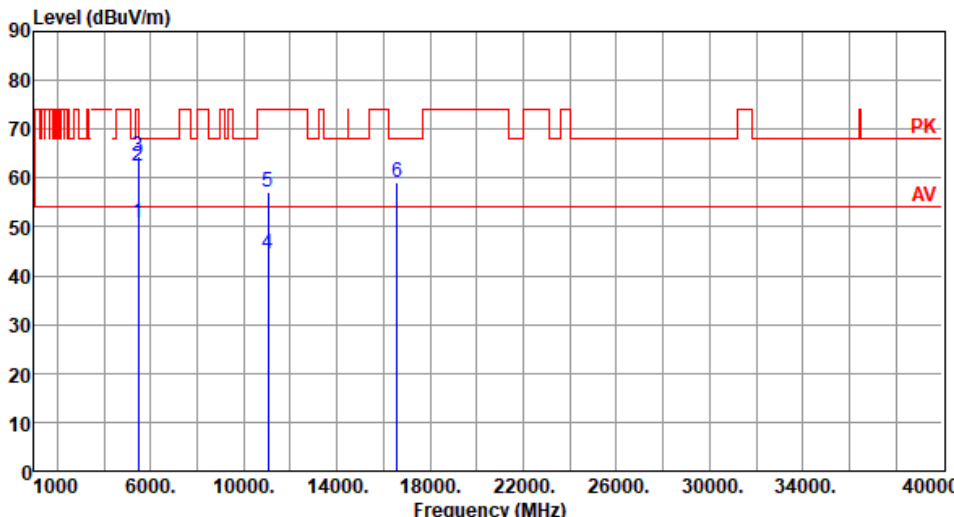
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

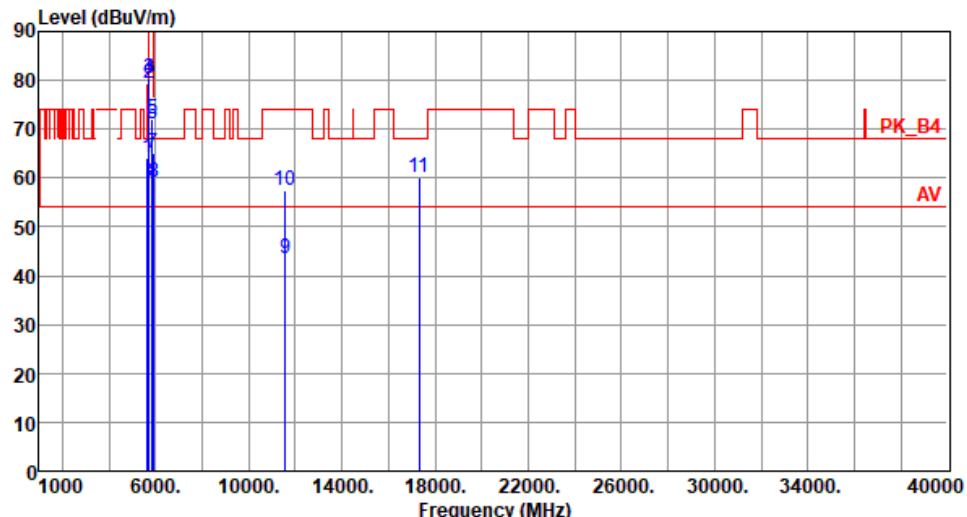
Modulation	VHT80	Test Freq. (MHz)	5210																																																																																
Polarization	Vertical																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																			
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>48.79</td><td>54.00</td><td>-5.21</td><td>42.68</td><td>6.11</td><td>Average</td><td>133</td><td>42</td></tr><tr><td>2</td><td>5150.00</td><td>62.00</td><td>74.00</td><td>-12.00</td><td>55.89</td><td>6.11</td><td>Peak</td><td>133</td><td>42</td></tr><tr><td>3</td><td>5350.00</td><td>45.60</td><td>54.00</td><td>-8.40</td><td>40.02</td><td>5.58</td><td>Average</td><td>133</td><td>42</td></tr><tr><td>4</td><td>5350.00</td><td>59.44</td><td>74.00</td><td>-14.56</td><td>53.86</td><td>5.58</td><td>Peak</td><td>133</td><td>42</td></tr><tr><td>5</td><td>10420.00</td><td>57.94</td><td>68.20</td><td>-10.26</td><td>43.49</td><td>14.45</td><td>Peak</td><td>121</td><td>42</td></tr><tr><td>6</td><td>15630.00</td><td>44.26</td><td>54.00</td><td>-9.74</td><td>28.50</td><td>15.76</td><td>Average</td><td>100</td><td>81</td></tr><tr><td>7</td><td>15630.00</td><td>58.32</td><td>74.00</td><td>-15.68</td><td>42.56</td><td>15.76</td><td>Peak</td><td>100</td><td>81</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	48.79	54.00	-5.21	42.68	6.11	Average	133	42	2	5150.00	62.00	74.00	-12.00	55.89	6.11	Peak	133	42	3	5350.00	45.60	54.00	-8.40	40.02	5.58	Average	133	42	4	5350.00	59.44	74.00	-14.56	53.86	5.58	Peak	133	42	5	10420.00	57.94	68.20	-10.26	43.49	14.45	Peak	121	42	6	15630.00	44.26	54.00	-9.74	28.50	15.76	Average	100	81	7	15630.00	58.32	74.00	-15.68	42.56	15.76	Peak	100	81
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	48.79	54.00	-5.21	42.68	6.11	Average	133	42																																																																										
2	5150.00	62.00	74.00	-12.00	55.89	6.11	Peak	133	42																																																																										
3	5350.00	45.60	54.00	-8.40	40.02	5.58	Average	133	42																																																																										
4	5350.00	59.44	74.00	-14.56	53.86	5.58	Peak	133	42																																																																										
5	10420.00	57.94	68.20	-10.26	43.49	14.45	Peak	121	42																																																																										
6	15630.00	44.26	54.00	-9.74	28.50	15.76	Average	100	81																																																																										
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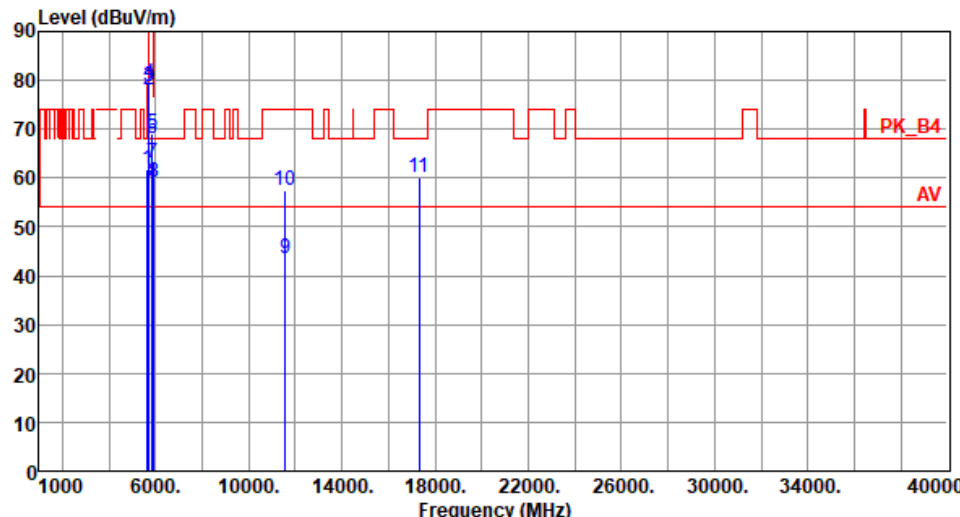
Modulation	VHT80	Test Freq. (MHz)	5290																																																																																
Polarization	Horizontal																																																																																		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																			
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.69</td><td>54.00</td><td>-8.31</td><td>39.58</td><td>6.11</td><td>Average</td><td>188</td><td>14</td></tr><tr><td>2</td><td>5150.00</td><td>59.98</td><td>74.00</td><td>-14.02</td><td>53.87</td><td>6.11</td><td>Peak</td><td>188</td><td>14</td></tr><tr><td>3</td><td>5350.00</td><td>52.97</td><td>54.00</td><td>-1.03</td><td>47.39</td><td>5.58</td><td>Average</td><td>188</td><td>14</td></tr><tr><td>4</td><td>5350.00</td><td>63.15</td><td>74.00</td><td>-10.85</td><td>57.57</td><td>5.58</td><td>Peak</td><td>188</td><td>14</td></tr><tr><td>5</td><td>10580.00</td><td>57.04</td><td>68.20</td><td>-11.16</td><td>42.44</td><td>14.60</td><td>Peak</td><td>100</td><td>326</td></tr><tr><td>6</td><td>15870.00</td><td>44.49</td><td>54.00</td><td>-9.51</td><td>29.21</td><td>15.28</td><td>Average</td><td>100</td><td>32</td></tr><tr><td>7</td><td>15870.00</td><td>57.61</td><td>74.00</td><td>-16.39</td><td>42.33</td><td>15.28</td><td>Peak</td><td>100</td><td>32</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	45.69	54.00	-8.31	39.58	6.11	Average	188	14	2	5150.00	59.98	74.00	-14.02	53.87	6.11	Peak	188	14	3	5350.00	52.97	54.00	-1.03	47.39	5.58	Average	188	14	4	5350.00	63.15	74.00	-10.85	57.57	5.58	Peak	188	14	5	10580.00	57.04	68.20	-11.16	42.44	14.60	Peak	100	326	6	15870.00	44.49	54.00	-9.51	29.21	15.28	Average	100	32	7	15870.00	57.61	74.00	-16.39	42.33	15.28	Peak	100	32
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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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	Vertical		
Test By :Roger Lu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			

Modulation	VHT80	Test Freq. (MHz)	5530																																																																																										
Polarization	Horizontal																																																																																												
Test By :Roger Lu Temperature(°C):24 Humidity(%):65																																																																																													
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3.6 Frequency Stability

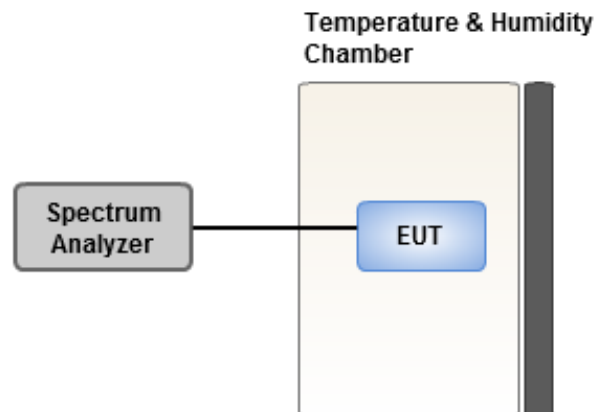
3.6.1 Limit of Frequency Stability

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	20~22°C / 63~66%	Tested By	Brad Wu
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Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	0.91	1.19	1.61	1.35
T20°C Vmin	1.47	1.64	1.63	1.67
T50°C Vnom	-2.74	-2.77	-2.94	-2.06
T40°C Vnom	-3.69	-3.44	-2.99	-3.52
T30°C Vnom	0.85	1.44	1.22	1.37
T20°C Vnom	1.04	1.50	1.00	1.53
T10°C Vnom	0.09	0.61	0.81	0.24
T0°C Vnom	-1.73	-1.74	-1.81	-1.37
T-10°C Vnom	-3.61	-3.68	-3.33	-3.56
T-20°C Vnom	-0.77	-0.42	-0.09	0.02
T-30°C Vnom	-0.06	0.82	0.24	0.11
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	0.98	0.40	1.33	0.68
T20°C Vmin	2.31	2.30	2.63	1.90
T50°C Vnom	-2.70	-2.09	-2.57	-3.07
T40°C Vnom	-3.13	-3.39	-3.41	-2.98
T30°C Vnom	2.04	2.05	2.20	2.07
T20°C Vnom	1.41	1.90	1.20	2.17
T10°C Vnom	0.28	0.01	0.78	0.69
T0°C Vnom	-0.97	-1.09	-0.49	-1.20
T-10°C Vnom	-3.47	-3.56	-2.99	-3.63
T-20°C Vnom	-0.29	-1.35	-0.57	-1.05
T-30°C Vnom	0.32	-0.53	0.24	-0.01
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 Corp (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 District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, 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: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

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