FCC C2PC Test Report

FCC ID	:	**2AAS9-MI12**
Equipment	:	**Wi-Fi 6 AX6000 Dual-Radio Indoor Router**
Model No.	:	**MI12**
Brand Name	:	**PRISM**
Applicant	:	**BROWAN COMMUNICATIONS INCORPORATION**
Address	:	**No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou Hsinchu Hsien Taiwan 303**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Mar. 17, 2023**
Tested Date	:	**Mar. 23 ~ May 02, 2023**

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

Reviewed by:	**Approved by:**
Along Chen / Assistant Manager	**Gary Chang / Manager**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR331702-01	Rev. 01	Initial issue	May 23, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.474MHz 34.93 (Margin -11.52dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5460.00MHz 53.86 (Margin -0.14dB) - AV	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(a)	Conducted Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5250~5350MHz: 23.43 5470~5725MHz: 23.67 ***Beamforming mode*** 5250~5350MHz: 17.41 5470~5725MHz: 17.65	Pass
15.407(a)	Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This report is issued as a Class II Permissive Change.

The modification is only concerned with adding 5250~5350MHz and 5470~5725 MHz band by software setting.

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5250-5350 5470-5725	a	5260-5320 5500-5720	52-64 [4] 100-144 [12]	4	6-54 Mbps
5250-5350 5470-5725	n (HT20)	5260-5320 5500-5720	52-64 [4] 100-144 [12]	4	MCS 0-31
5250-5350 5470-5725	n (HT40)	5270-5310 5510-5710	54-62 [2] 102-142 [6]	4	MCS 0-31
5250-5350 5470-5725	ac (VHT20)	5260-5320 5500-5720	52-64 [4] 100-144 [12]	4	MCS 0-9
5250-5350 5470-5725	ac (VHT40)	5270-5310 5510-5710	54-62 [2] 102-142 [6]	4	MCS 0-9
5250-5350 5470-5725	ac (VHT80)	5290 5530-5690	58 [1] 106-138 [3]	4	MCS 0-9
5250-5350 5470-5725	ac (VHT160)	5250 5570	50 [1] 114 [1]	4	MCS 0-11
5250-5350 5470-5725	ax (HE20)	5260-5320 5500-5720	52-64 [4] 100-144 [12]	4	MCS 0-11
5250-5350 5470-5725	ax (HE40)	5270-5310 5510-5710	54-62 [2] 102-142 [6]	4	MCS 0-11
5250-5350 5470-5725	ax (HE80)	5290 5530-5690	58 [1] 106-138 [3]	4	MCS 0-11
5250-5350 5470-5725	ac (HE160)	5250 5570	50 [1] 114 [1]	4	MCS 0-11
Note 1: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation. Note 2: 802.11n/ac/ax supports beamforming function.					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)	
					5250~5350	5470~5725
Ant 1	LYNwave	AEX22M-222AA1-00	PIFA	UFL	2.71	2.13
Ant 2	LYNwave	AEX22M-222AA2-00	PIFA	UFL	2.71	2.13
Ant 3	LYNwave	AEX22M-222AA4-00	PIFA	UFL	2.71	2.13
Ant 4	LYNwave	AEX22M-222AA3-00	PIFA	UFL	2.71	2.13

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	56Vdc from POE

Note: The above power supply is not bundled in market.

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	MOUNTING-BRACKET	--

1.1.5 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
52	5260	54	5270
56	5280	62	5310
60	5300	102	5510
64	5320	110	5550
100	5500	118	5590
104	5520	126	5630
108	5540	134	5670
112	5560	142	5710
116	5580	**802.11ac VHT80 / ax HE80**	
120	5600	58	5290
124	5620	106	5530
128	5640	122	5610
132	5660	138	5690
136	5680	**802.11ac VHT160 / ax HE160**	
140	5700	50	5250
144	5720	114	5570

1.1.6 Test Tool and Duty Cycle

Test Tool	QATool, Version: UIv2.88_DLLv6.93_ap_2022.01.04(V14)c		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	98.97%	0.04
	ax HE20	98.51%	0.07
	ax HE40	95.97%	0.18
	ax HE80	91.04%	0.41
	ax HE160	77.58%	1.10

1.1.7 Power Index of Test Tool

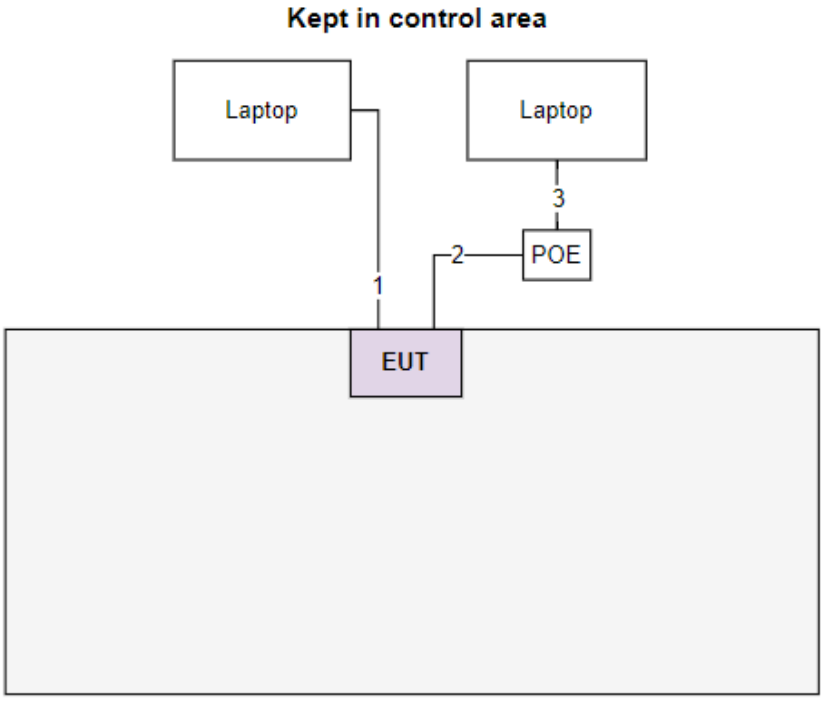
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5260	11
11a	5300	11.5
11a	5320	11
11a	5500	11
11a	5580	11
11a	5700	11
11a	5720	11
ax HE20	5260	12
ax HE20	5300	12.5
ax HE20	5320	12.5
ax HE20	5500	12
ax HE20	5580	12
ax HE20	5700	12
ax HE20	5720	12
ax HE40	5270	13.5
ax HE40	5310	14
ax HE40	5510	13.5
ax HE40	5590	13.5
ax HE40	5670	13.5
ax HE40	5710	13.5
ax HE80	5290	10
ax HE80	5530	11.5
ax HE80	5610	14.5
ax HE80	5690	14.5
ax HE160	5250	12
ax HE160	5570	11

1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Laptop	DELL	Latitude 5400	DoC	---
2	Laptop	DELL	Latitude E5470	DoC	---
3	POE	DELTA	ADH-45AR B	---	I/P: 100-240V~, 1.5A, 50-60Hz O/P: 56Vdc, 0.805A, 45.08W

1.3 Test Setup Chart

Test Setup Diagram



No.	Signal cable / Length (m)
1-2	RJ45, 10m non-shielded.
3	RJ45, 1.3m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 02, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 17, 2023	Feb. 16, 2024
LISN	R&S	ENV216	101295	Jan. 31, 2023	Jan. 30, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan .03, 2023	Jan .02, 2024
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 17, 2022	Oct. 16, 2023
50 ohm terminal (Support Unit)	NA	50	01	May 10, 2022	May 09, 2023
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Mar. 23 ~ Apr. 21, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 03, 2022	Aug. 02, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 25, 2022	Nov. 24, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045SE	980903	Jul. 16, 2022	Jul. 15, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 04, 2022	Oct. 03, 2023
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 04, 2022	Oct. 03, 2023
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Apr. 06 ~ Apr. 12, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 22, 2022	Jun. 21, 2023
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 09, 2022	Dec. 08, 2023
Measurement Software	Sporton	SENSE-15407_NII	V5.11	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
FCC KDB 291074 D02 EMC Measurement v01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

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

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

2 Test Configuration

2.1 Testing Facility

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

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

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Mode
Non-beamforming mode				
Conducted Emissions	ax HE80	5610	MCS 0	---
Radiated Emissions ≤1GHz	ax HE80	5610	MCS 0	---
RF Output Power Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720	6 Mbps	---
	ax HE20	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720	MCS 0	
	ax HE40	5270 / 5310 5510 / 5590 / 5670 / 5710	MCS 0	
	ax HE80	5290 / 5530 / 5610 / 5690	MCS 0	
	ax HE160	5250 / 5570	MCS 0	
Frequency Stability	Un-modulation	5320	---	---
Beamforming mode				
RF Output Power	ax HE20	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720	MCS 0	---
	ax HE40	5270 / 5310 5510 / 5590 / 5670 / 5710	MCS 0	---
	ax HE80	5290 / 5530 / 5610 / 5690	MCS 0	---
	ax HE160	5250 / 5570	MCS 0	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.

3 Transmitter Test Results

3.1 Emission Bandwidth

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

3.1.1 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.

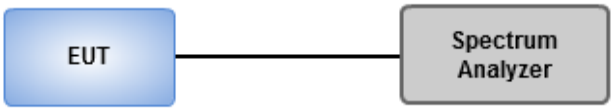
Occupied Bandwidth

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

6dB Bandwidth

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

3.1.2 Test Setup



3.1.3 Test Results

Ambient Condition	23-25°C / 63-64%	**Tested By**	Akun Chung

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

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

3.2.2 Test Procedures

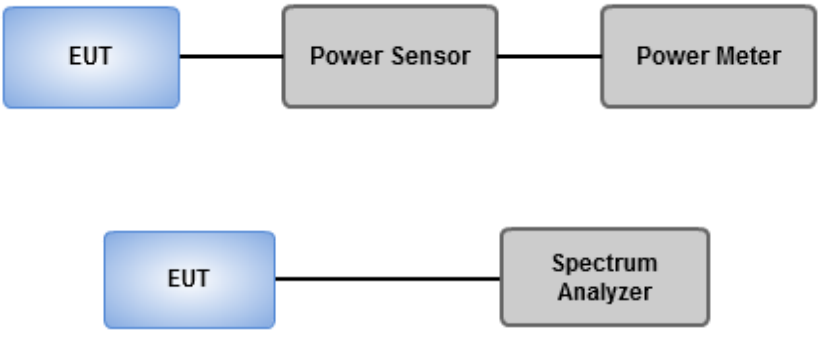
Method PM-G (Measurement using a gated RF average power meter)

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

Spectrum analyzer

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

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	23-25°C / 63-64%	Tested By	Akun Chung

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz

3.3.2 Test Procedures

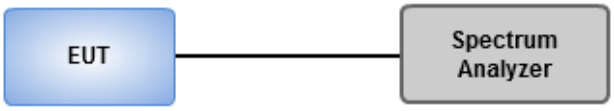
Duty cycle ≥ 98 %

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

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23-25°C / 63-64%	Tested By	Akun Chung

Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted Emissions

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

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.25 - 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]

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

3.4.2 Test Procedures

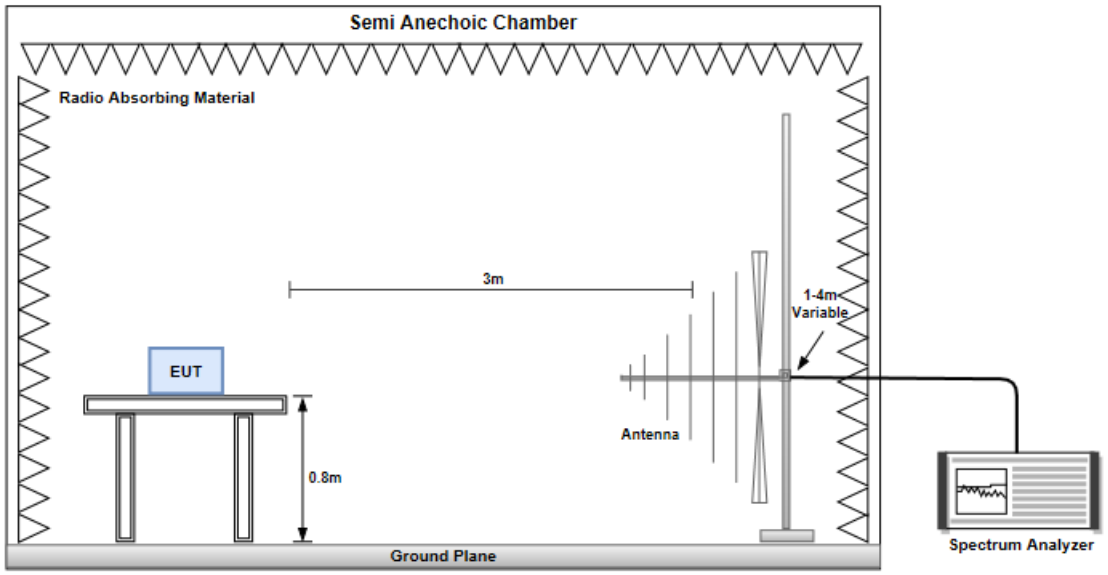
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Note:

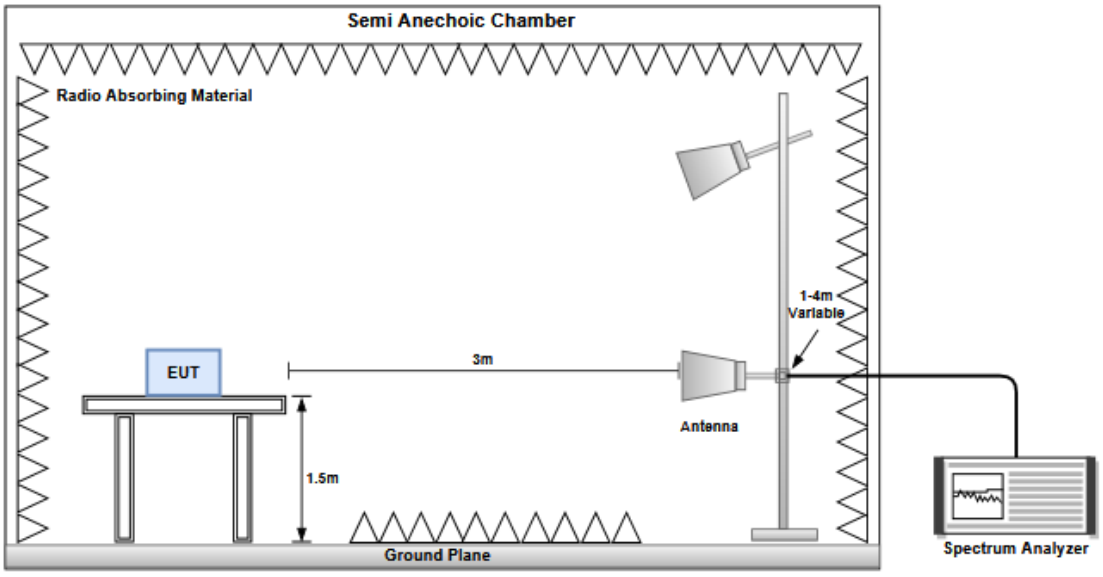
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

3.5 Frequency Stability

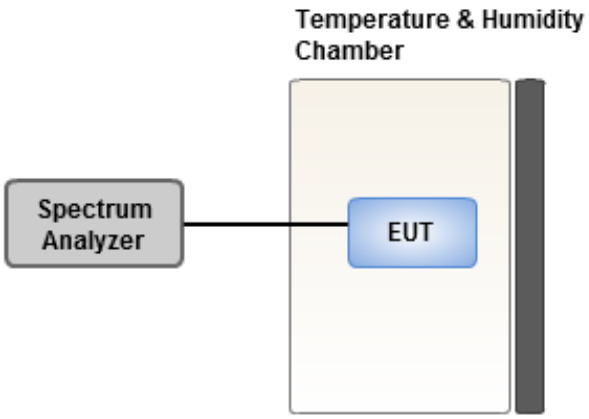
3.5.1 Limit of Frequency Stability

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

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23-25°C / 63-64%	**Tested By**	Akun Chung

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

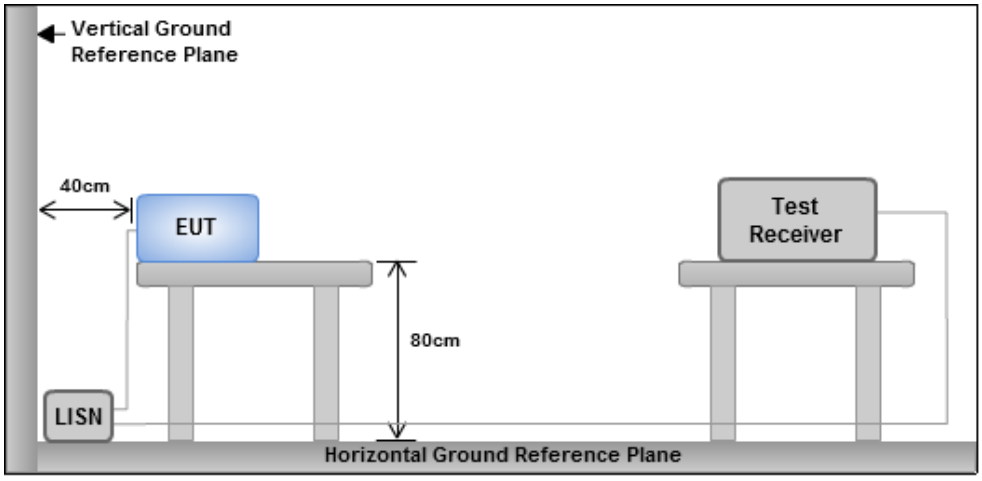
3.6.1 Limit of AC Power Line Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.6.2 Test Procedures

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

3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

4 Test laboratory information

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

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

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Linkou

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Kwei Shan

Tel: 886-3-271-8666

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

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

Kwei Shan Site II

Tel: 886-3-271-8640

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

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

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

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Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	80.32M	77.641M	77M6D1D	80.24M	77.481M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	32.45M	16.844M	16M8D1D	20.9M	16.58M
802.11ax HEW20_Nss1,(MCS0)_4TX	38.115M	19.265M	19M3D1D	21.725M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	47.08M	37.681M	37M7D1D	39.27M	37.531M
802.11ax HEW80_Nss1,(MCS0)_4TX	94.776M	77.121M	77M1D1D	83.424M	77.001M
802.11ax HEW160_Nss1,(MCS0)_4TX	80.24M	77.721M	77M7D1D	80.08M	77.401M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	30.096M	16.94M	16M9D1D	14.595M	13.343M
802.11ax HEW20_Nss1,(MCS0)_4TX	30.36M	19.19M	19M2D1D	16.05M	14.558M
802.11ax HEW40_Nss1,(MCS0)_4TX	47.652M	37.781M	37M8D1D	34.65M	33.583M
802.11ax HEW80_Nss1,(MCS0)_4TX	91.872M	77.121M	77M1D1D	74.775M	72.939M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.736M	155.682M	156MD1D	161.568M	155.202M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.2M	3.678M	3M68D1D	3.12M	3.658M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.48M	4.558M	4M56D1D	4.44M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.02M	4.058M	4M06D1D	3.9M	4.038M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.02M	4.578M	4M58D1D	3.88M	4.218M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.9M	16.646M	20.955M	16.602M	20.9M	16.624M	21.01M	16.58M
5300MHz	Pass	Inf	31.79M	16.844M	29.535M	16.822M	30.195M	16.844M	32.45M	16.822M
5320MHz	Pass	Inf	27.775M	16.844M	30.36M	16.822M	30.03M	16.8M	29.205M	16.8M
5500MHz	Pass	Inf	27.39M	16.808M	27.918M	16.756M	27.456M	16.835M	27.258M	16.808M
5580MHz	Pass	Inf	21.318M	16.676M	20.856M	16.676M	20.988M	16.571M	20.79M	16.597M
5700MHz	Pass	Inf	28.446M	16.835M	30.096M	16.94M	29.634M	16.861M	26.796M	16.808M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.03M	13.388M	14.82M	13.343M	14.595M	13.343M	14.79M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	3.678M	3.14M	3.678M	3.14M	3.658M	3.12M	3.658M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	22.33M	19.09M	21.725M	19.065M	21.725M	19.09M	22.825M	19.09M
5300MHz	Pass	Inf	32.89M	19.19M	31.57M	19.19M	38.115M	19.165M	30.03M	19.265M
5320MHz	Pass	Inf	29.315M	19.215M	28.16M	19.19M	29.59M	19.19M	29.095M	19.19M
5500MHz	Pass	Inf	26.73M	19.16M	25.014M	19.19M	28.974M	19.16M	30.36M	19.19M
5580MHz	Pass	Inf	22.638M	19.07M	22.044M	19.07M	22.242M	19.04M	22.11M	19.07M
5700MHz	Pass	Inf	27.456M	19.19M	26.994M	19.16M	25.608M	19.13M	25.542M	19.19M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.275M	14.588M	16.05M	14.573M	16.185M	14.558M	16.095M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.538M	4.46M	4.558M	4.48M	4.558M	4.46M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.27M	37.581M	39.38M	37.531M	39.38M	37.581M	39.27M	37.631M
5310MHz	Pass	Inf	45.87M	37.681M	47.08M	37.681M	43.34M	37.681M	44.55M	37.681M
5510MHz	Pass	Inf	40.92M	37.661M	43.296M	37.721M	40.524M	37.601M	47.652M	37.661M
5590MHz	Pass	Inf	39.468M	37.601M	39.336M	37.601M	39.204M	37.601M	39.336M	37.601M
5670MHz	Pass	Inf	46.332M	37.781M	45.936M	37.661M	46.332M	37.781M	47.256M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	33.618M	34.65M	33.583M	34.79M	33.583M	34.72M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	4.058M	3.9M	4.058M	4.02M	4.038M	4M	4.038M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	83.424M	77.121M	86.328M	77.001M	89.496M	77.121M	94.776M	77.121M
5530MHz	Pass	Inf	91.872M	77.121M	82.368M	77.001M	86.064M	77.001M	82.104M	77.001M
5610MHz	Pass	Inf	80.256M	76.882M	80.256M	76.882M	80.256M	77.001M	80.52M	76.882M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75M	73.013M	74.85M	72.939M	74.775M	73.013M	74.85M	73.013M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.218M	3.88M	4.238M	4.02M	4.578M	3.98M	4.358M

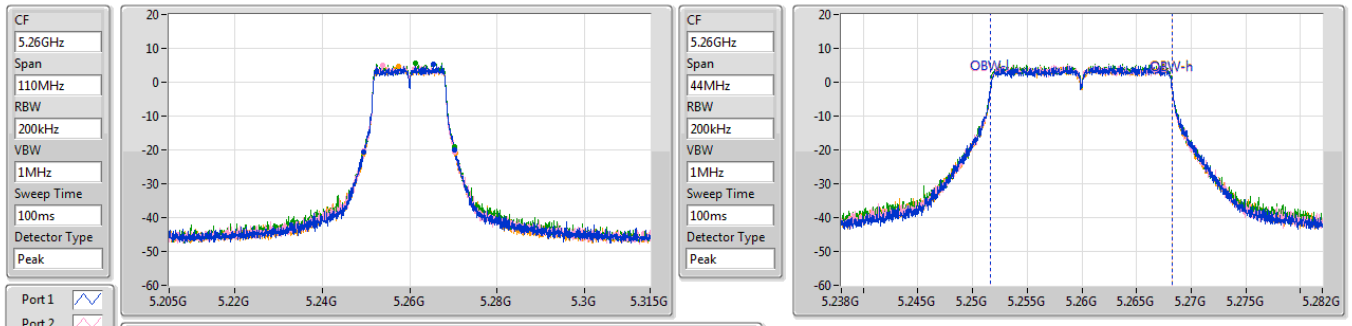
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	77.481M	80.24M	77.481M	80.24M	77.641M	80.32M	77.561M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.16M	77.721M	80.08M	77.401M	80.24M	77.481M	80.16M	77.561M
5570MHz	Pass	Inf	162.096M	155.442M	164.736M	155.682M	164.736M	155.442M	161.568M	155.202M

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

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5260MHz

30/03/2023

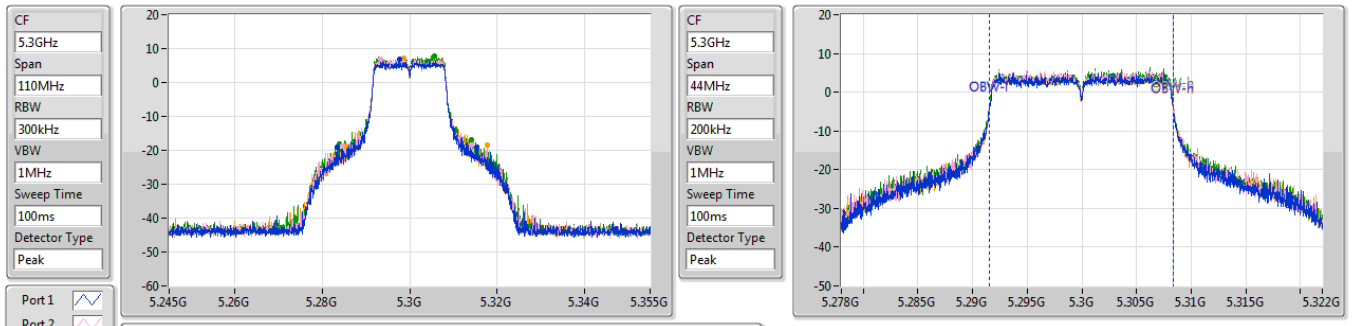


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	5.249495G	5.270395G	16.646M	5.251644G	5.26829G	Inf	1
20.955M	5.24944G	5.270395G	16.602M	5.251644G	5.268246G	Inf	2
20.9M	5.249385G	5.270285G	16.624M	5.251644G	5.268268G	Inf	3
21.01M	5.24955G	5.27056G	16.58M	5.251666G	5.268246G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5300MHz

30/03/2023

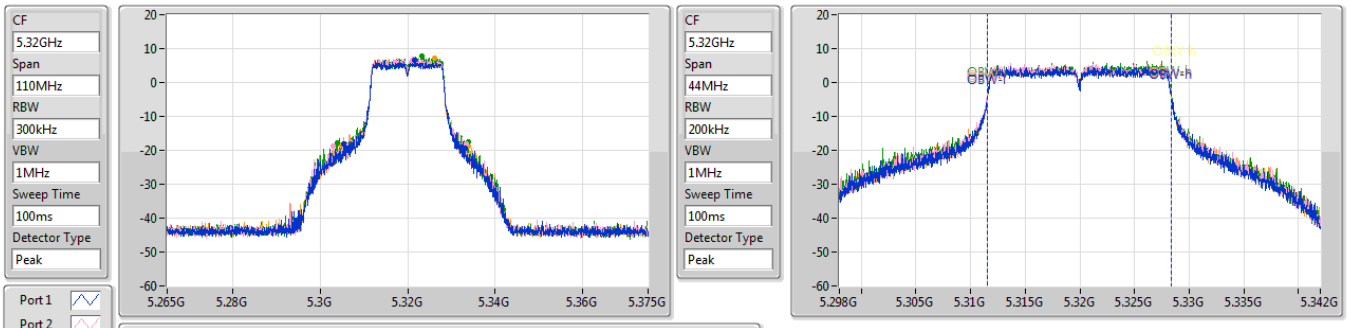


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.79M	5.283445G	5.315235G	16.844M	5.291534G	5.308378G	Inf	1
29.535M	5.2846G	5.314135G	16.822M	5.291556G	5.308378G	Inf	2
30.195M	5.28383G	5.314025G	16.844M	5.291534G	5.308378G	Inf	3
32.45M	5.285315G	5.317765G	16.822M	5.291556G	5.308378G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5320MHz

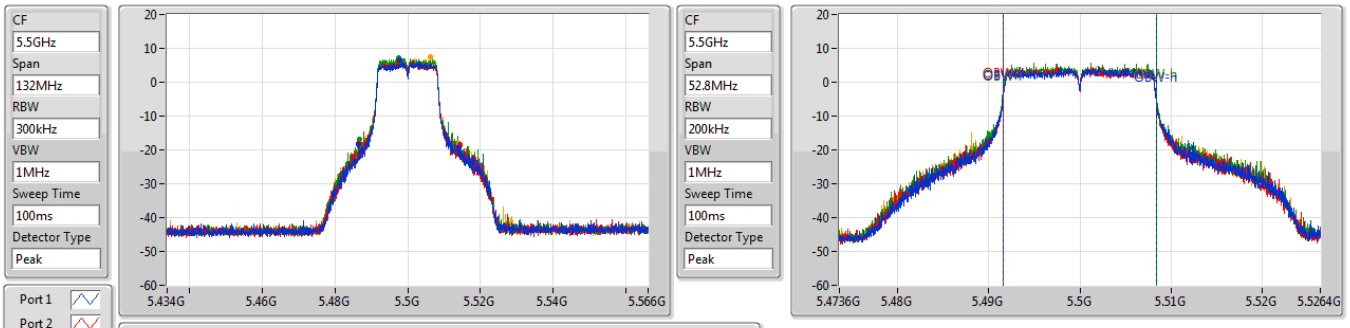
30/03/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.775M	5.30537G	5.333145G	16.844M	5.311512G	5.328356G	Inf	1
30.36M	5.30306G	5.33342G	16.822M	5.311512G	5.328334G	Inf	2
30.03M	5.30383G	5.33386G	16.8M	5.311556G	5.328356G	Inf	3
29.205M	5.3046G	5.333805G	16.8M	5.311534G	5.328334G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

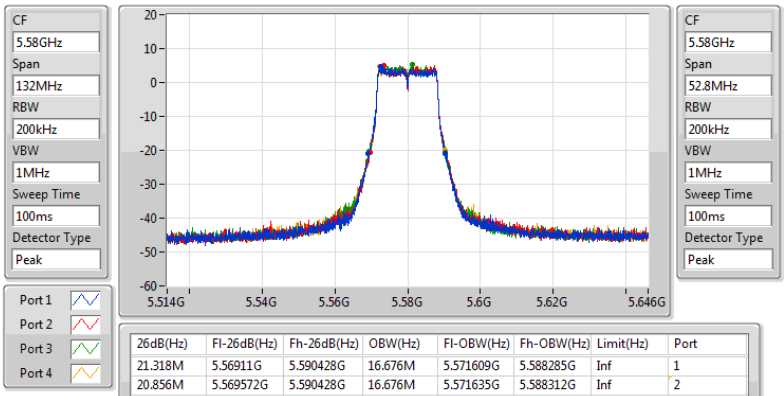
5500MHz

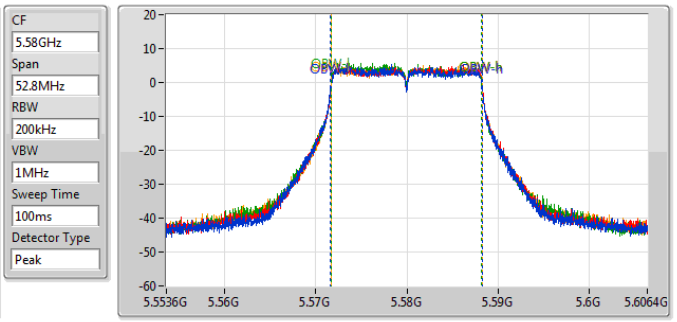


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.39M	5.486536G	5.513926G	16.808M	5.491583G	5.508391G	Inf	1
27.918M	5.486404G	5.514322G	16.756M	5.491609G	5.508365G	Inf	2
27.456M	5.486866G	5.514322G	16.835M	5.491556G	5.508391G	Inf	3
27.258M	5.4868G	5.514058G	16.808M	5.491583G	5.508391G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5580MHz

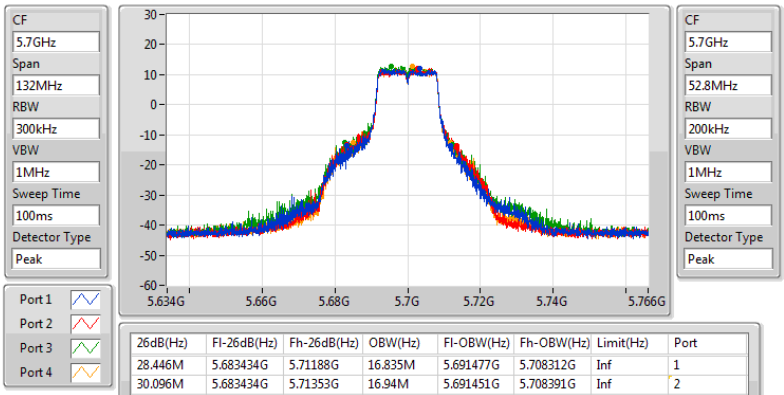


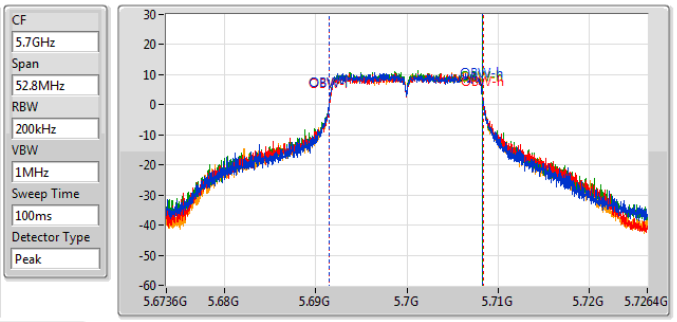


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.318M	5.56911G	5.590428G	16.676M	5.571609G	5.588285G	Inf	1
20.856M	5.569572G	5.590428G	16.676M	5.571635G	5.588312G	Inf	2
20.988M	5.569308G	5.590296G	16.571M	5.571662G	5.588233G	Inf	3
20.79M	5.569572G	5.590362G	16.597M	5.571662G	5.588259G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5700MHz

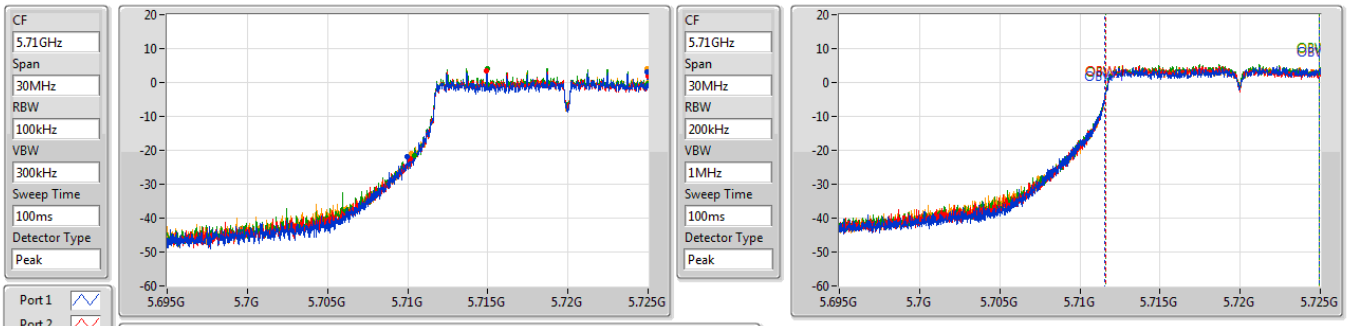




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.446M	5.683434G	5.71188G	16.835M	5.691477G	5.708312G	Inf	1
30.096M	5.683434G	5.71353G	16.94M	5.691451G	5.708391G	Inf	2
29.634M	5.682708G	5.712342G	16.861M	5.691451G	5.708312G	Inf	3
26.796M	5.684952G	5.711748G	16.808M	5.691503G	5.708312G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

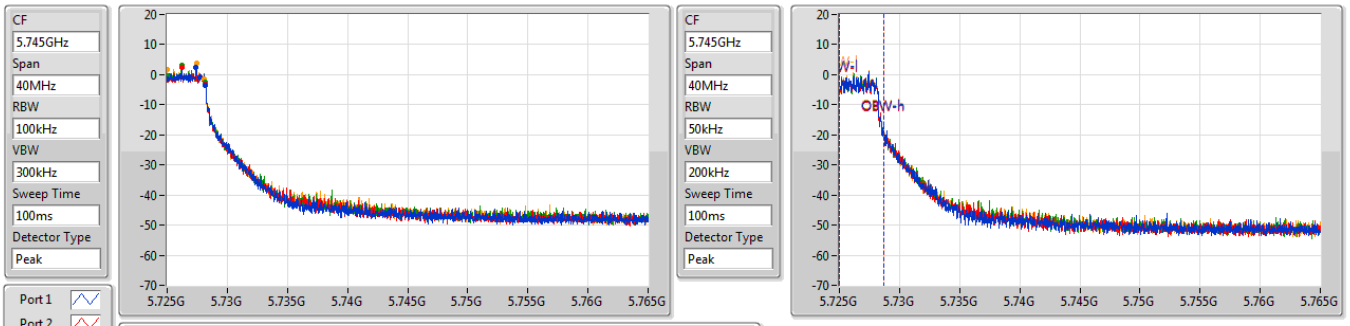
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.03M	5.70997G	5.725G	13.388M	5.711559G	5.724948G	Inf	1
14.82M	5.71018G	5.725G	13.343M	5.711589G	5.724933G	Inf	2
14.595M	5.710405G	5.725G	13.343M	5.711604G	5.724948G	Inf	3
14.79M	5.71021G	5.725G	13.343M	5.711604G	5.724948G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

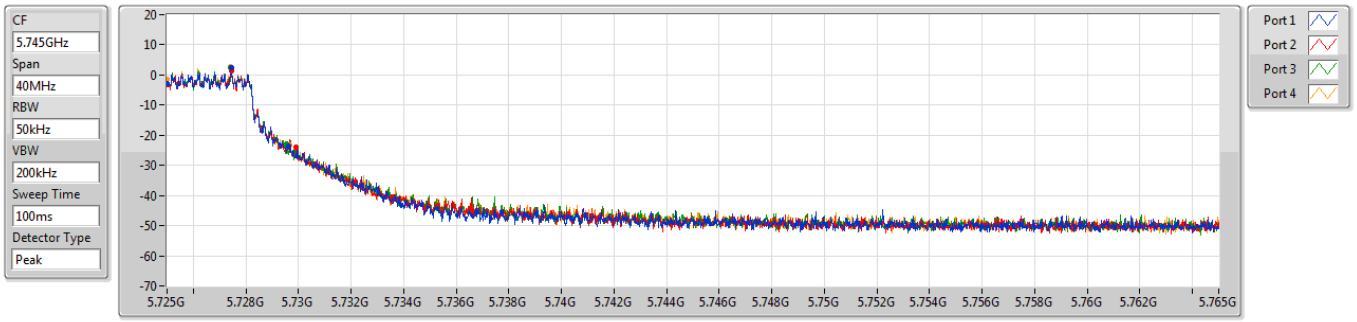
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.2M	5.725G	5.7282G	3.678M	5.72503G	5.728708G	500k	1
3.14M	5.725G	5.72814G	3.678M	5.72503G	5.728708G	500k	2
3.14M	5.725G	5.72814G	3.658M	5.72503G	5.728688G	500k	3
3.12M	5.725G	5.72812G	3.658M	5.72501G	5.728668G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

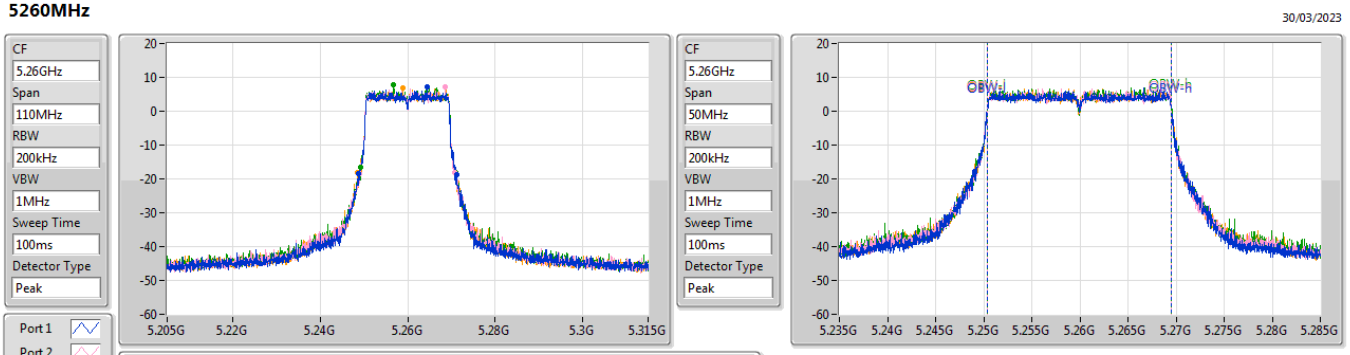
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.62M	5.725G	5.72962G	Inf	1
4.92M	5.725G	5.72992G	Inf	2
4.56M	5.725G	5.72956G	Inf	3
4.66M	5.725G	5.72966G	Inf	4

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5260MHz

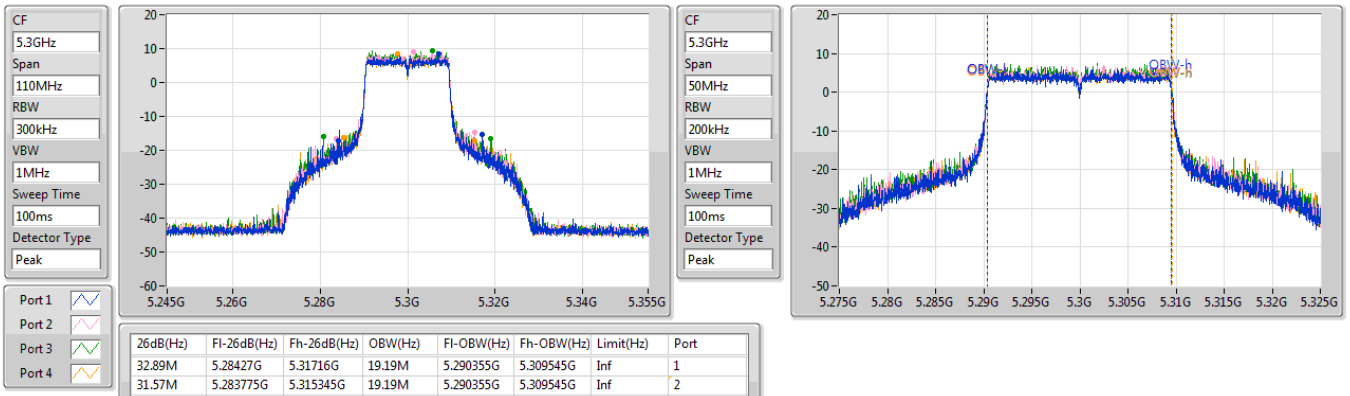


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.33M	5.248835G	5.271165G	19.09M	5.250405G	5.269495G	Inf	1
21.725M	5.24911G	5.270835G	19.065M	5.250405G	5.26947G	Inf	2
21.725M	5.24922G	5.270945G	19.09M	5.250405G	5.269495G	Inf	3
22.825M	5.24845G	5.271275G	19.09M	5.250405G	5.269495G	Inf	4

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5300MHz

30/03/2023

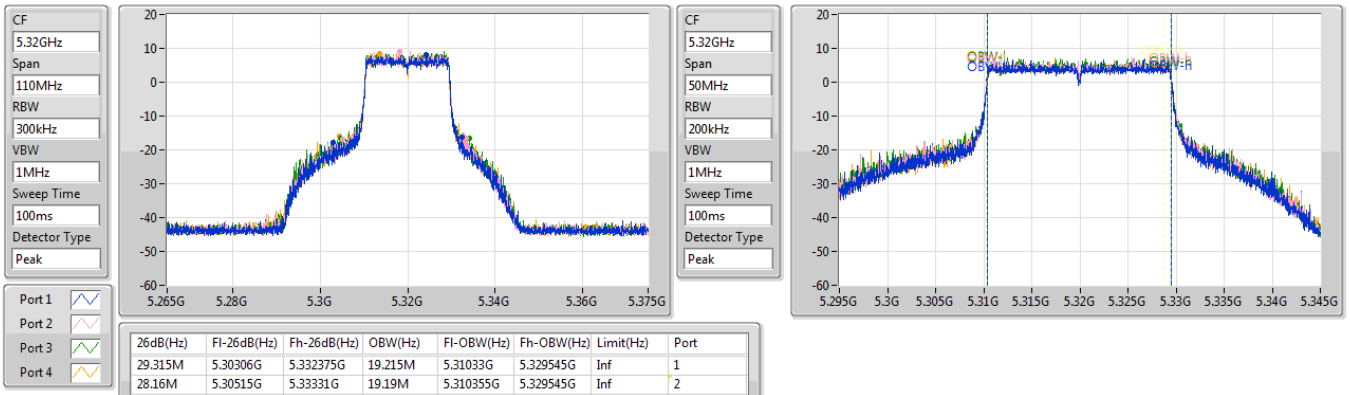


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.89M	5.28427G	5.31716G	19.19M	5.290355G	5.309545G	Inf	1
31.57M	5.283775G	5.315345G	19.19M	5.290355G	5.309545G	Inf	2
38.115M	5.280805G	5.31892G	19.165M	5.29038G	5.309545G	Inf	3
30.03M	5.28526G	5.31529G	19.265M	5.29033G	5.309595G	Inf	4

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5320MHz

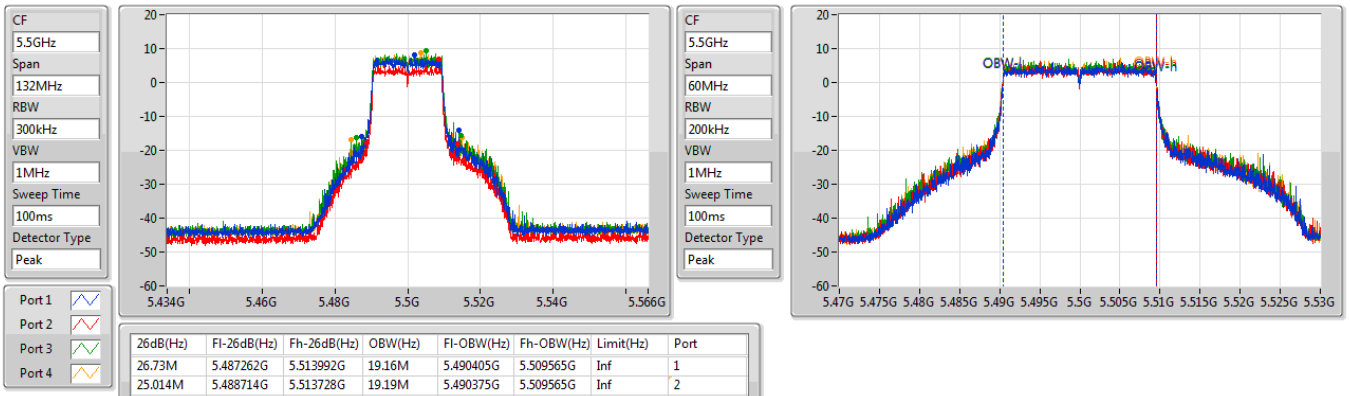
30/03/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.315M	5.30306G	5.332375G	19.215M	5.31033G	5.329545G	Inf	1
28.16M	5.30515G	5.33331G	19.19M	5.310355G	5.329545G	Inf	2
29.59M	5.304545G	5.334135G	19.19M	5.31033G	5.32952G	Inf	3
29.095M	5.304325G	5.33342G	19.19M	5.31033G	5.32952G	Inf	4

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

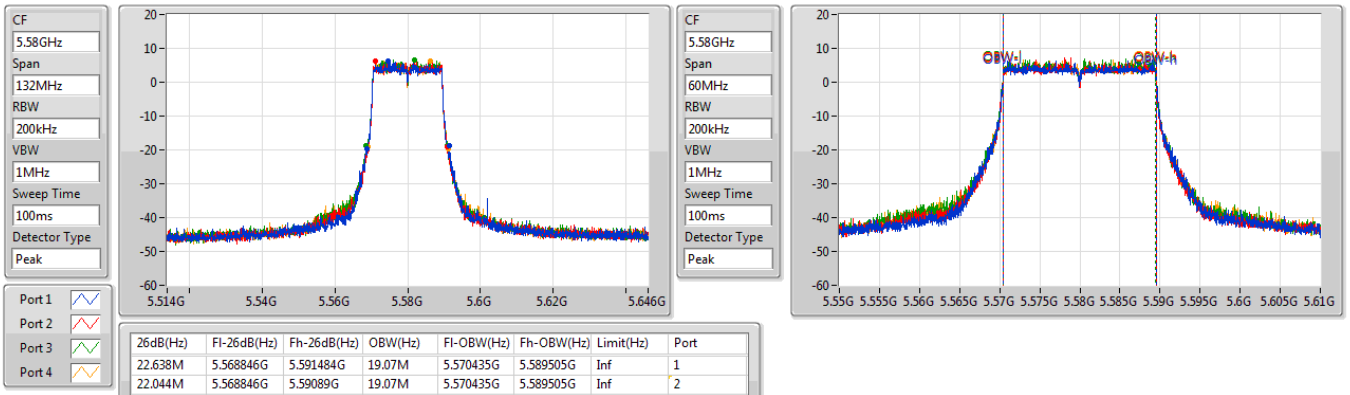
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.73M	5.487262G	5.513992G	19.16M	5.490405G	5.509565G	Inf	1
25.014M	5.488714G	5.513728G	19.19M	5.490375G	5.509565G	Inf	2
28.974M	5.48581G	5.514784G	19.16M	5.490405G	5.509565G	Inf	3
30.36M	5.484622G	5.514982G	19.19M	5.490375G	5.509565G	Inf	4

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

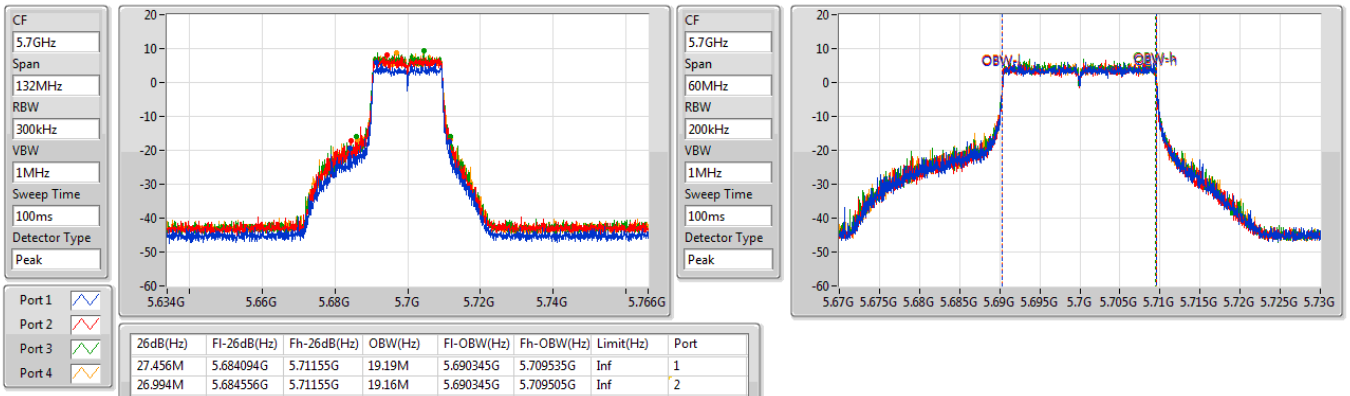
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.638M	5.568846G	5.591484G	19.07M	5.570435G	5.589505G	Inf	1
22.044M	5.568846G	5.59089G	19.07M	5.570435G	5.589505G	Inf	2
22.242M	5.568648G	5.59089G	19.04M	5.570435G	5.589475G	Inf	3
22.11M	5.568978G	5.591088G	19.07M	5.570435G	5.589505G	Inf	4

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

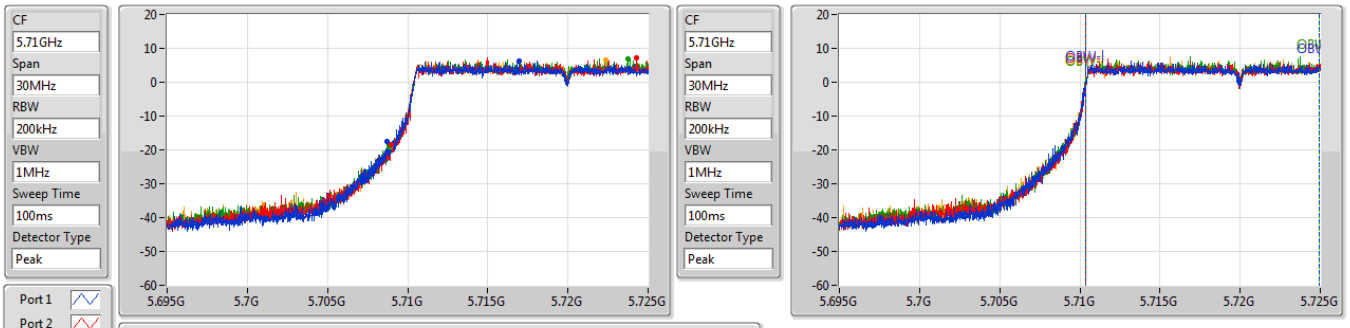
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.456M	5.684094G	5.71155G	19.19M	5.690345G	5.709535G	Inf	1
26.994M	5.684556G	5.71155G	19.16M	5.690345G	5.709505G	Inf	2
25.608M	5.686008G	5.711616G	19.13M	5.690345G	5.709475G	Inf	3
25.542M	5.686272G	5.711814G	19.19M	5.690345G	5.709535G	Inf	4

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

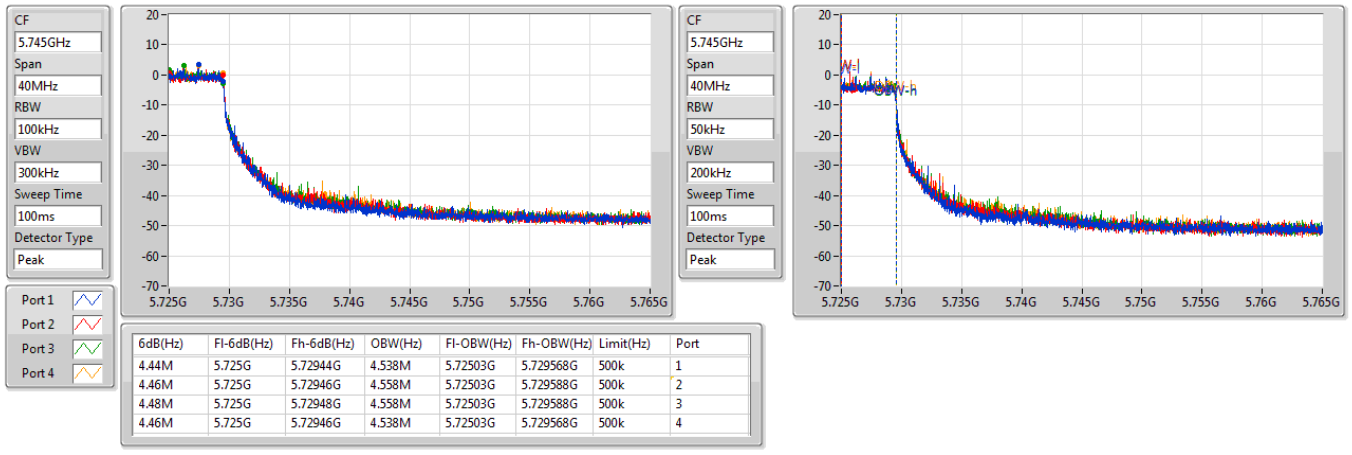
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.708725G	5.725G	14.588M	5.710345G	5.724933G	Inf	1
16.05M	5.70895G	5.725G	14.573M	5.71036G	5.724933G	Inf	2
16.185M	5.708815G	5.725G	14.558M	5.710375G	5.724933G	Inf	3
16.095M	5.708905G	5.725G	14.588M	5.71036G	5.724948G	Inf	4

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

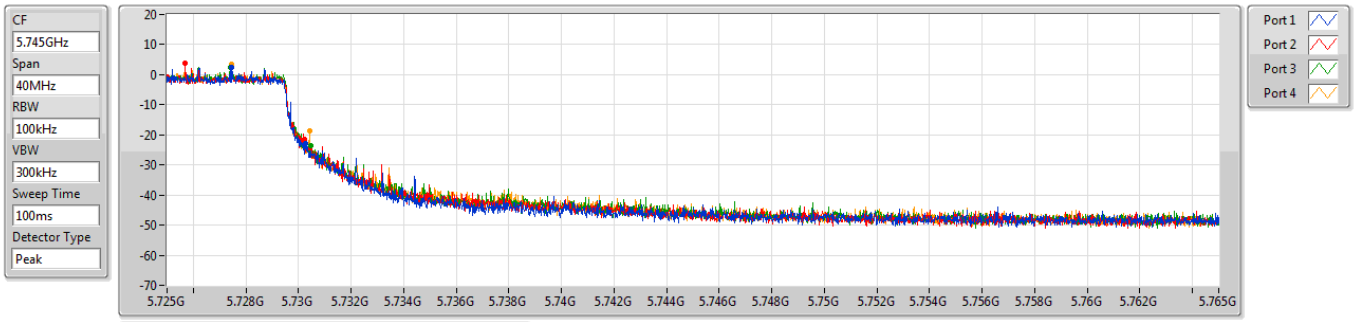
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.538M	5.72503G	5.729568G	500k	1
4.46M	5.725G	5.72946G	4.558M	5.72503G	5.729588G	500k	2
4.48M	5.725G	5.72948G	4.558M	5.72503G	5.729588G	500k	3
4.46M	5.725G	5.72946G	4.538M	5.72503G	5.729568G	500k	4

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

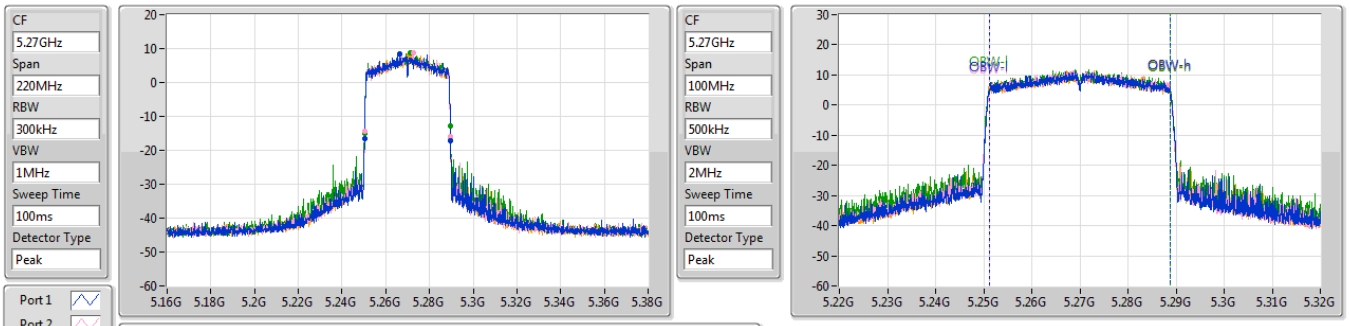


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.28M	5.725G	5.73028G	Inf	1
5.22M	5.725G	5.73022G	Inf	2
5.48M	5.725G	5.73048G	Inf	3
5.42M	5.725G	5.73042G	Inf	4

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5270MHz

30/03/2023

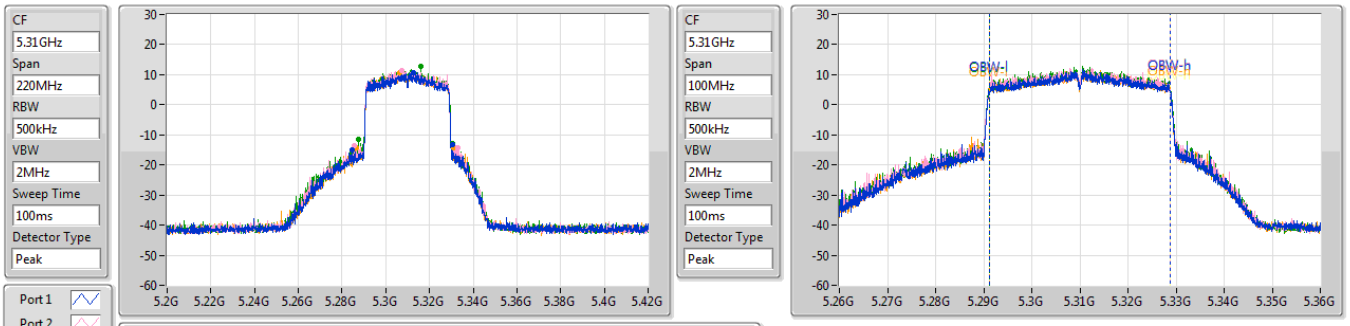


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.25031G	5.28958G	37.581M	5.251159G	5.288741G	Inf	1
39.38M	5.25031G	5.28969G	37.531M	5.251209G	5.288741G	Inf	2
39.38M	5.2502G	5.28958G	37.581M	5.251159G	5.288741G	Inf	3
39.27M	5.25031G	5.28958G	37.631M	5.251109G	5.288741G	Inf	4

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5310MHz

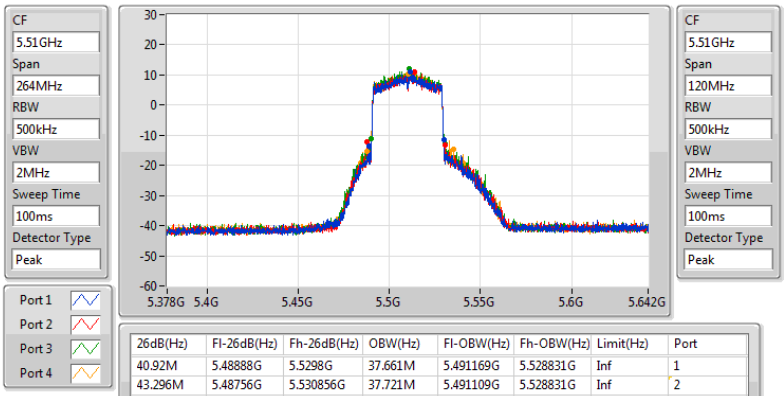
30/03/2023

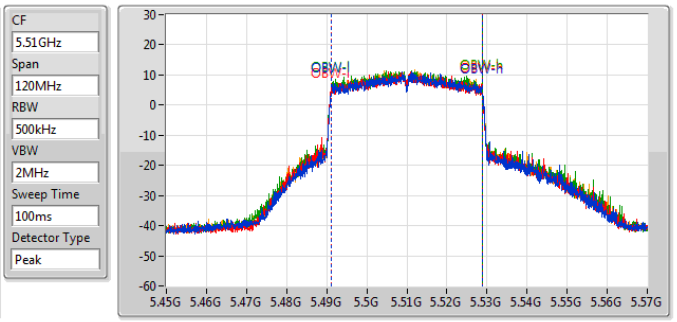


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.87M	5.28481G	5.33068G	37.681M	5.291109G	5.328791G	Inf	1
47.08M	5.28569G	5.33277G	37.681M	5.291109G	5.328791G	Inf	2
43.34M	5.28734G	5.33068G	37.681M	5.291109G	5.328791G	Inf	3
44.55M	5.28657G	5.33112G	37.681M	5.291109G	5.328791G	Inf	4

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5510MHz

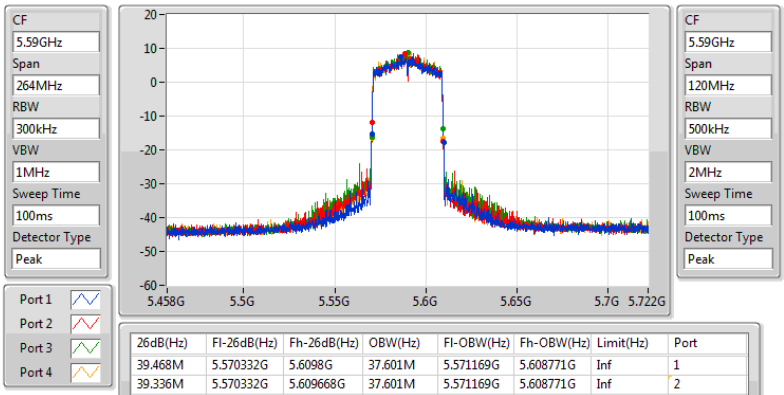


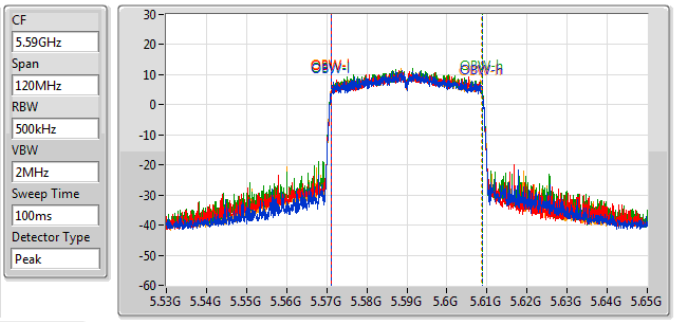


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.92M	5.48888G	5.5298G	37.661M	5.491169G	5.528831G	Inf	1
43.296M	5.48756G	5.530856G	37.721M	5.491109G	5.528831G	Inf	2
40.524M	5.489936G	5.53046G	37.601M	5.491169G	5.528771G	Inf	3
47.652M	5.48756G	5.535212G	37.661M	5.491169G	5.528831G	Inf	4

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5590MHz

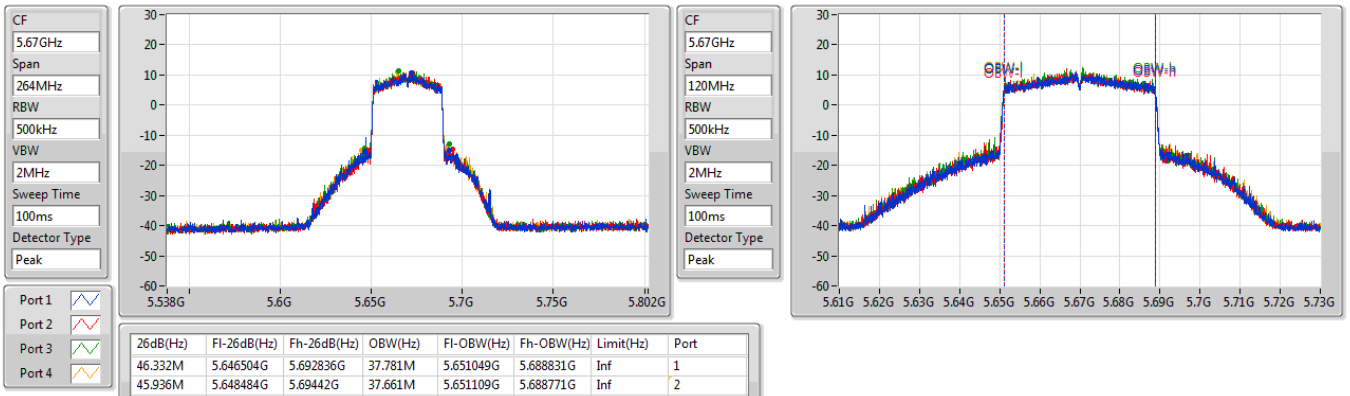




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.468M	5.570332G	5.6098G	37.601M	5.571169G	5.608771G	Inf	1
39.336M	5.570332G	5.609668G	37.601M	5.571169G	5.608771G	Inf	2
39.204M	5.570332G	5.609536G	37.601M	5.571169G	5.608771G	Inf	3
39.336M	5.570332G	5.609668G	37.601M	5.571109G	5.608711G	Inf	4

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

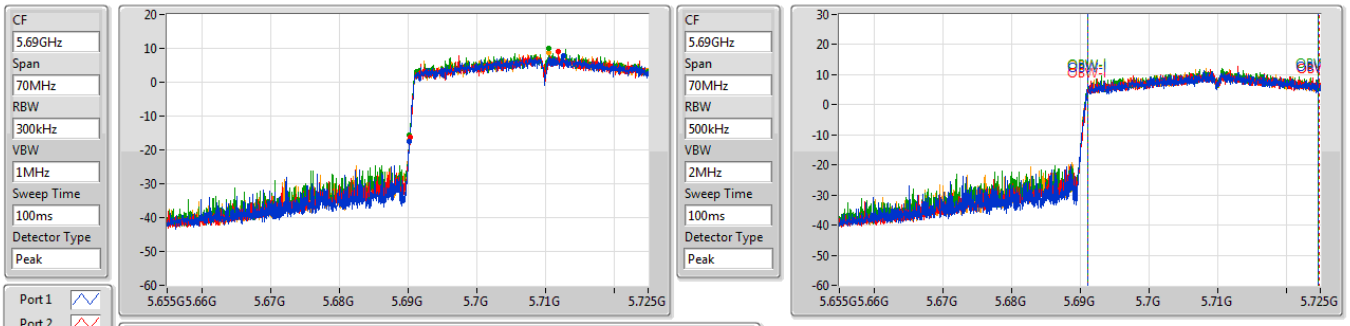
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.332M	5.646504G	5.692836G	37.781M	5.651049G	5.688831G	Inf	1
45.936M	5.648484G	5.69442G	37.661M	5.651109G	5.688771G	Inf	2
46.332M	5.646504G	5.692836G	37.781M	5.651049G	5.688831G	Inf	3
47.256M	5.644524G	5.69178G	37.781M	5.651049G	5.688831G	Inf	4

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

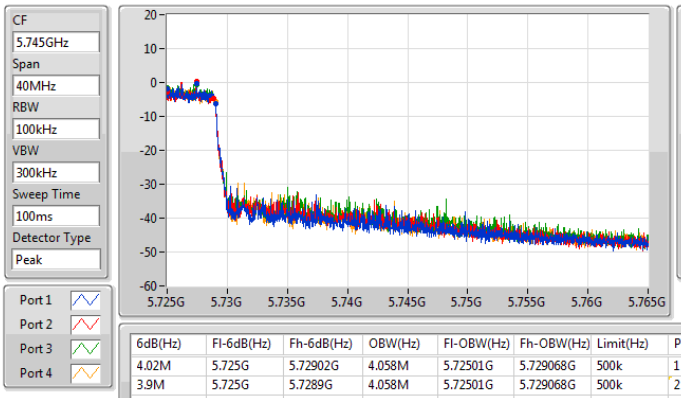
5710MHz Straddle 5.47-5.725GHz

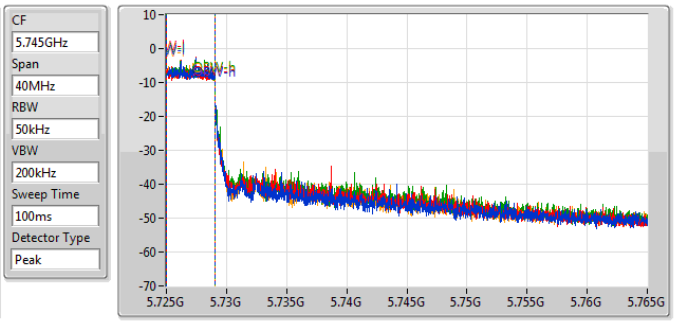


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.755M	5.690245G	5.725G	33.618M	5.691119G	5.724738G	Inf	1
34.65M	5.69035G	5.725G	33.583M	5.691189G	5.724773G	Inf	2
34.79M	5.69021G	5.725G	33.583M	5.691119G	5.724703G	Inf	3
34.72M	5.69028G	5.725G	33.653M	5.691119G	5.724773G	Inf	4

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

5710MHz Straddle 5.725-5.85GHz

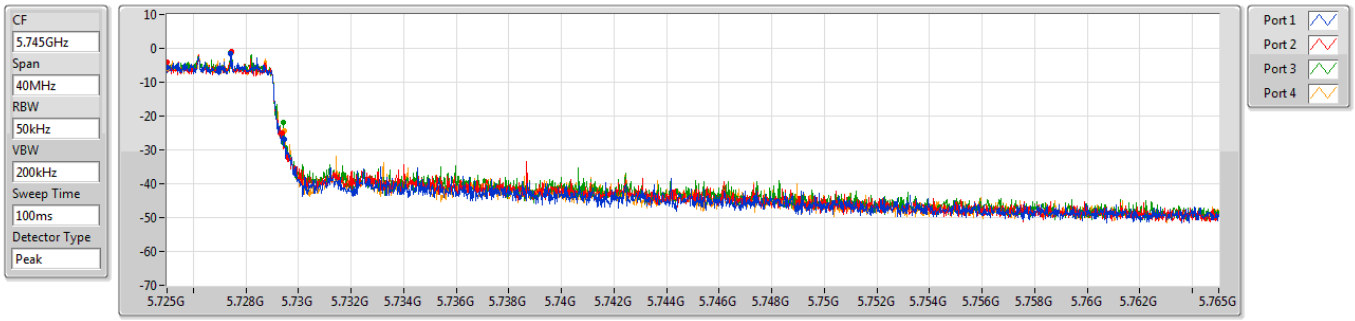




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.02M	5.725G	5.72902G	4.058M	5.72501G	5.729068G	500k	1
3.9M	5.725G	5.7289G	4.058M	5.72501G	5.729068G	500k	2
4.02M	5.725G	5.72902G	4.038M	5.72503G	5.729068G	500k	3
4M	5.725G	5.729G	4.038M	5.72503G	5.729068G	500k	4

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

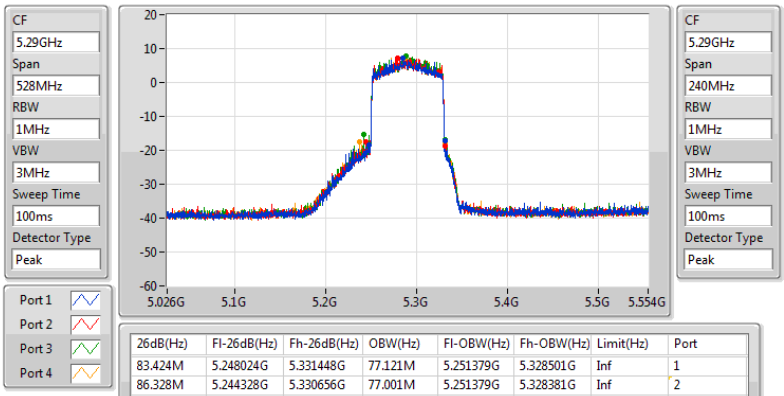
5710MHz Straddle 5.725-5.85GHz

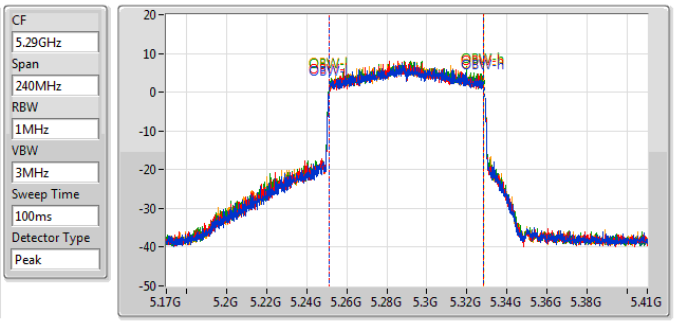


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.46M	5.725G	5.72946G	Inf	1
4.4M	5.725G	5.7294G	Inf	2
4.44M	5.725G	5.72944G	Inf	3
4.46M	5.725G	5.72946G	Inf	4

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5290MHz

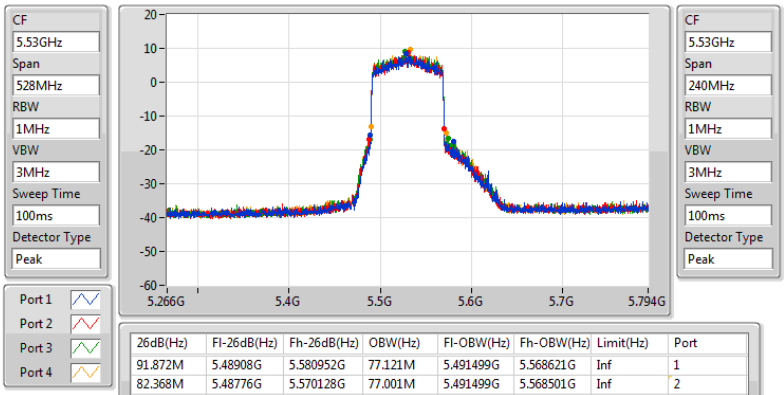


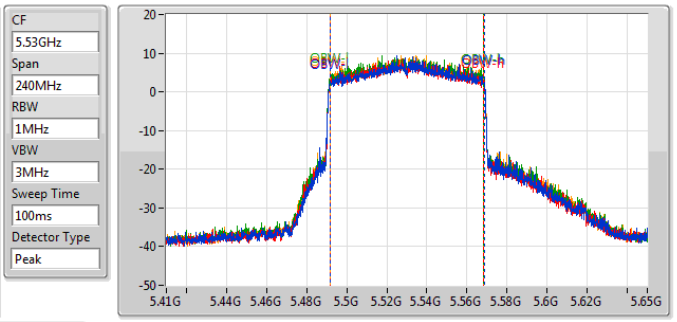


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.424M	5.248024G	5.331448G	77.121M	5.251379G	5.328501G	Inf	1
86.328M	5.244328G	5.330656G	77.001M	5.251379G	5.328381G	Inf	2
89.496M	5.241688G	5.331184G	77.121M	5.251379G	5.328501G	Inf	3
94.776M	5.236936G	5.331712G	77.121M	5.251379G	5.328501G	Inf	4

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5530MHz

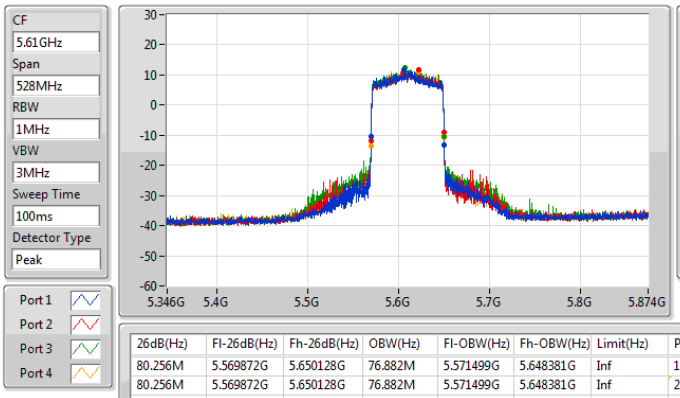


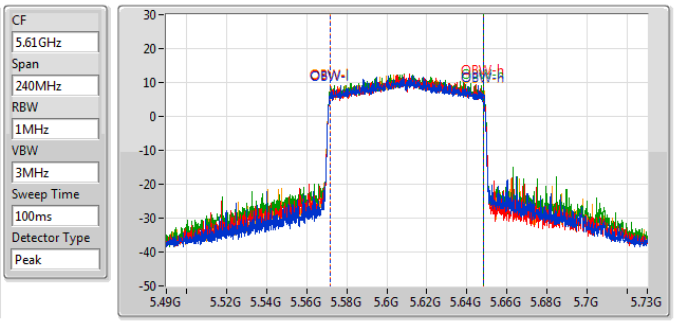


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
91.872M	5.48908G	5.580952G	77.121M	5.491499G	5.568621G	Inf	1
82.368M	5.48776G	5.570128G	77.001M	5.491499G	5.568501G	Inf	2
86.064M	5.488288G	5.574352G	77.001M	5.491499G	5.568501G	Inf	3
82.104M	5.489872G	5.571976G	77.001M	5.491499G	5.568501G	Inf	4

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5610MHz

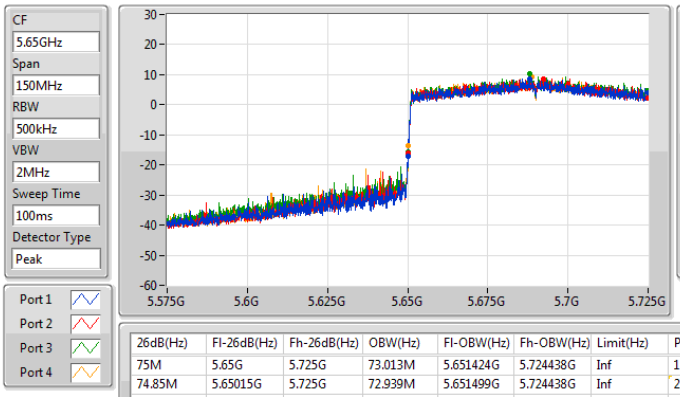


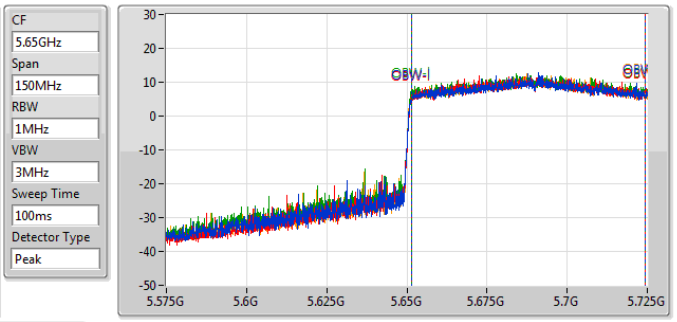


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.256M	5.569872G	5.650128G	76.882M	5.571499G	5.648381G	Inf	1
80.256M	5.569872G	5.650128G	76.882M	5.571499G	5.648381G	Inf	2
80.256M	5.569872G	5.650128G	77.001M	5.571499G	5.648501G	Inf	3
80.52M	5.569608G	5.650128G	76.882M	5.571499G	5.648381G	Inf	4

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5690MHz Straddle 5.47-5.725GHz

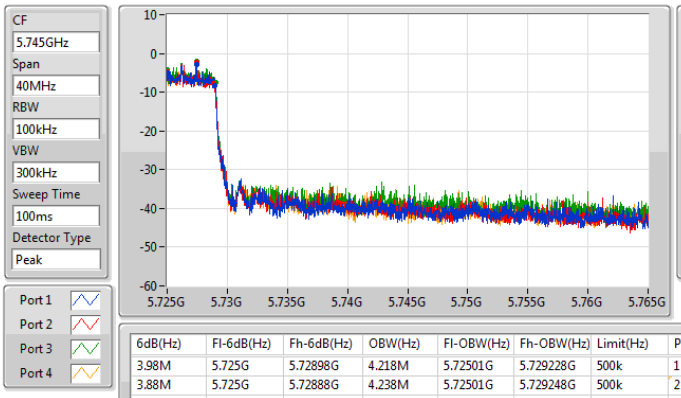


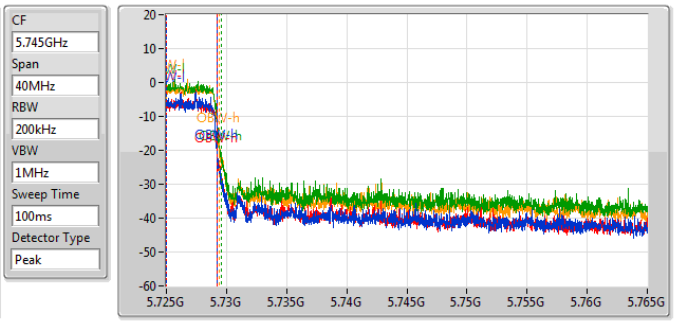


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.65G	5.725G	73.013M	5.651424G	5.724438G	Inf	1
74.85M	5.65015G	5.725G	72.939M	5.651499G	5.724438G	Inf	2
74.775M	5.650225G	5.725G	73.013M	5.651424G	5.724438G	Inf	3
74.85M	5.65015G	5.725G	73.013M	5.651424G	5.724438G	Inf	4

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

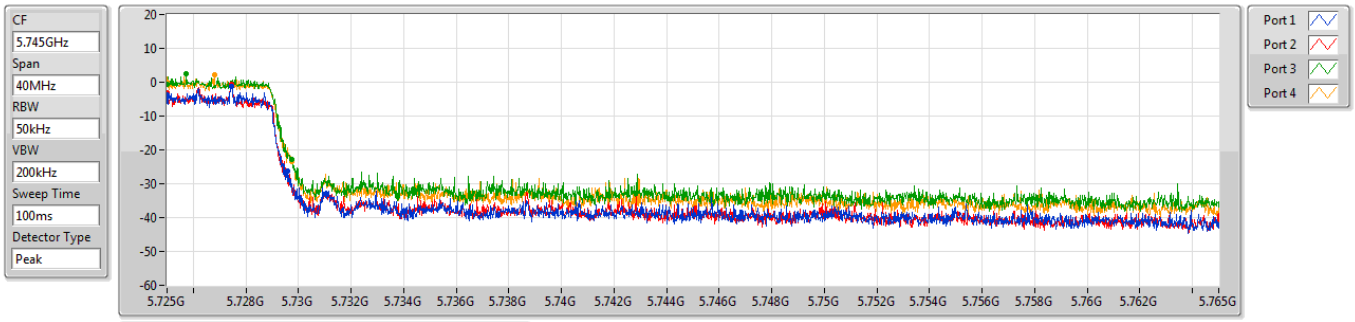




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.98M	5.725G	5.72898G	4.218M	5.72501G	5.729228G	500k	1
3.88M	5.725G	5.72888G	4.238M	5.72501G	5.729248G	500k	2
4.02M	5.725G	5.72902G	4.578M	5.72503G	5.729608G	500k	3
3.98M	5.725G	5.72898G	4.358M	5.72501G	5.729368G	500k	4

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

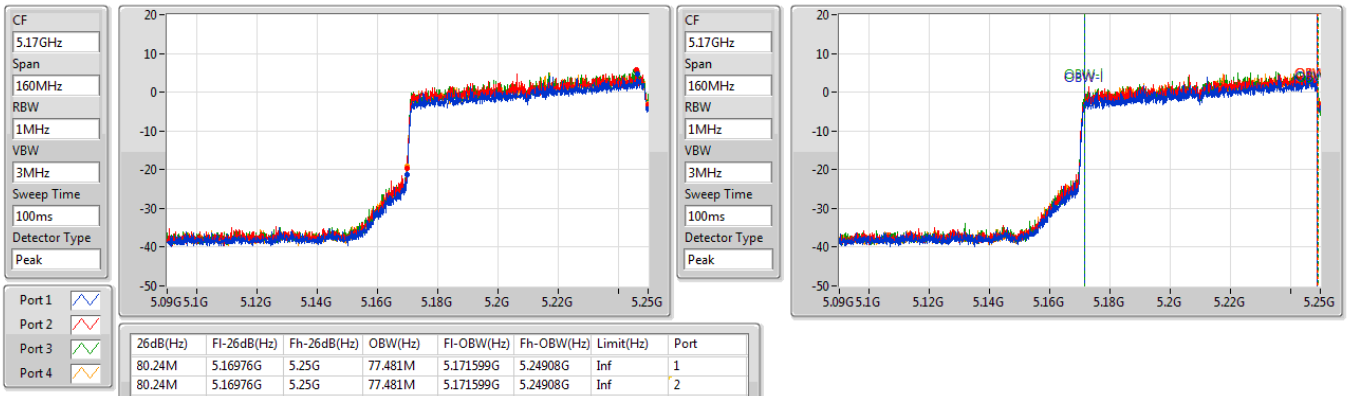
5690MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.58M	5.725G	5.72958G	Inf	1
4.58M	5.725G	5.72958G	Inf	2
4.76M	5.725G	5.72976G	Inf	3
4.76M	5.725G	5.72976G	Inf	4

5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

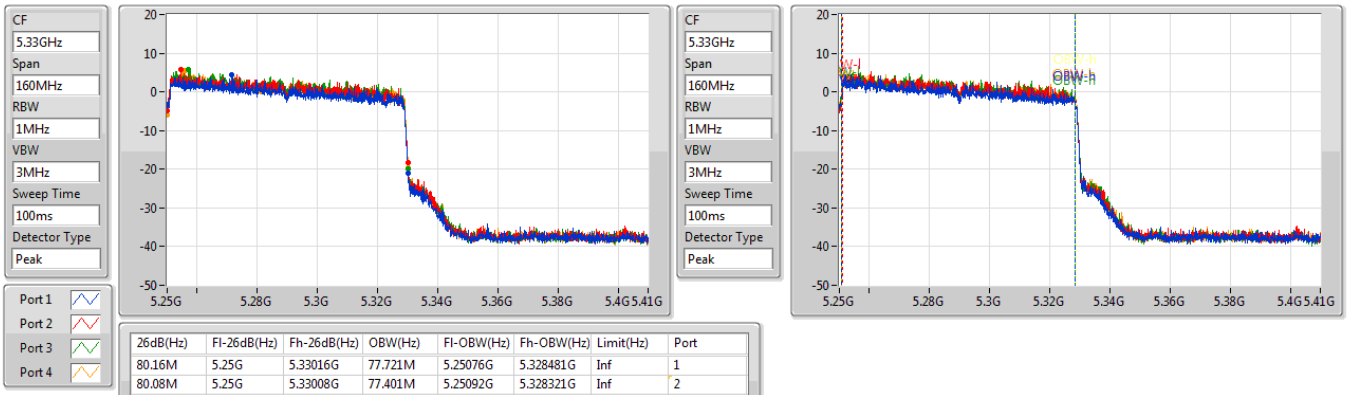
5250MHz Straddle 5.15-5.25GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.24M	5.16976G	5.25G	77.481M	5.171599G	5.24908G	Inf	1
80.24M	5.16976G	5.25G	77.481M	5.171599G	5.24908G	Inf	2
80.24M	5.16976G	5.25G	77.641M	5.171519G	5.24916G	Inf	3
80.32M	5.16968G	5.25G	77.561M	5.171599G	5.24916G	Inf	4

5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

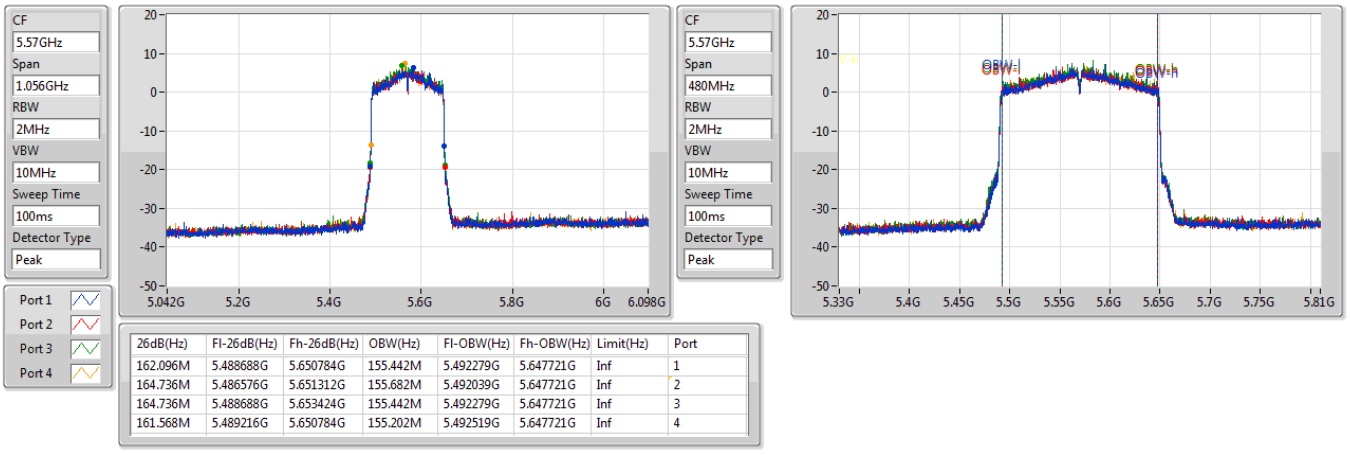
5250MHz Straddle 5.25-5.35GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.16M	5.25G	5.33016G	77.721M	5.25076G	5.328481G	Inf	1
80.08M	5.25G	5.33008G	77.401M	5.25092G	5.328321G	Inf	2
80.24M	5.25G	5.33024G	77.481M	5.25084G	5.328321G	Inf	3
80.16M	5.25G	5.33016G	77.561M	5.25084G	5.328401G	Inf	4

5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **EBW**

5570MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.096M	5.488688G	5.650784G	155.442M	5.492279G	5.647721G	Inf	1
164.736M	5.486576G	5.651312G	155.682M	5.492039G	5.647721G	Inf	2
164.736M	5.488688G	5.653424G	155.442M	5.492279G	5.647721G	Inf	3
161.568M	5.489216G	5.650784G	155.202M	5.492519G	5.647721G	Inf	4

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	16.34	0.04305	18.47	0.07031
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.47	0.14028	23.64	0.23121
802.11ax HEW20_Nss1,(MCS0)_4TX	21.88	0.15417	24.05	0.25410
802.11ax HEW40_Nss1,(MCS0)_4TX	23.43	0.22029	25.60	0.36308
802.11ax HEW80_Nss1,(MCS0)_4TX	19.54	0.08995	21.71	0.14825
802.11ax HEW160_Nss1,(MCS0)_4TX	16.53	0.04498	18.70	0.07413
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.32	0.13552	23.74	0.23659
802.11ax HEW20_Nss1,(MCS0)_4TX	21.58	0.14388	24.00	0.25119
802.11ax HEW40_Nss1,(MCS0)_4TX	23.13	0.20559	25.55	0.35892
802.11ax HEW80_Nss1,(MCS0)_4TX	23.67	0.23281	26.09	0.40644
802.11ax HEW160_Nss1,(MCS0)_4TX	18.07	0.06412	20.49	0.11194
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	14.33	0.02710	17.23	0.05284
802.11ax HEW20_Nss1,(MCS0)_4TX	15.51	0.03556	18.41	0.06934
802.11ax HEW40_Nss1,(MCS0)_4TX	11.75	0.01496	14.65	0.02917
802.11ax HEW80_Nss1,(MCS0)_4TX	9.05	0.00804	11.95	0.01567

Result

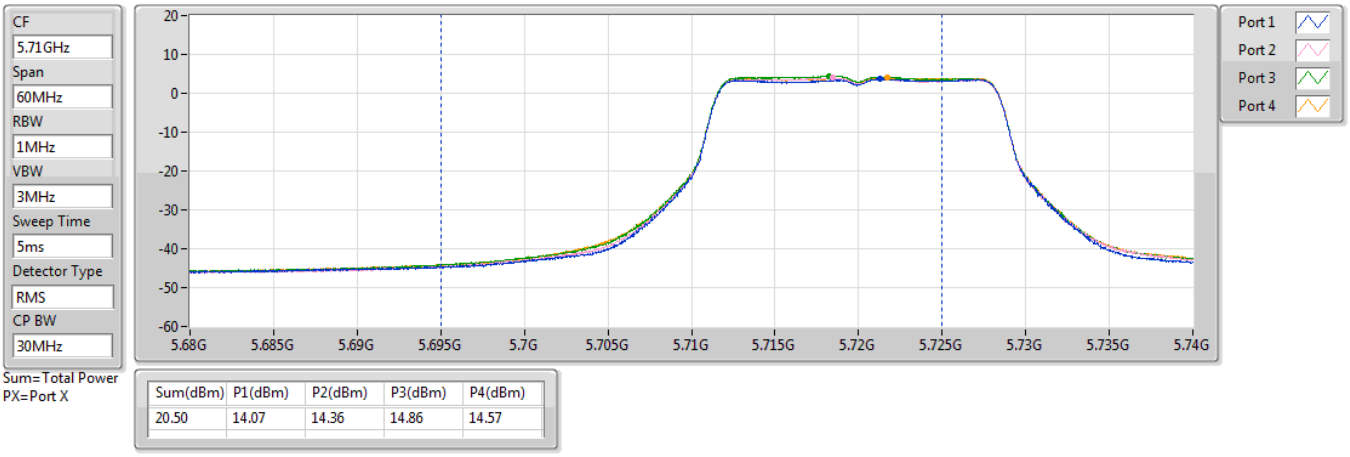
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	2.17	15.27	15.43	15.75	15.32	21.47	24.00	23.64	30.00
5300MHz	Pass	2.17	14.92	15.41	15.83	15.15	21.36	24.00	23.53	30.00
5320MHz	Pass	2.17	14.56	15.13	15.52	14.87	21.05	24.00	23.22	30.00
5500MHz	Pass	2.42	14.69	14.67	15.73	15.43	21.18	24.00	23.60	30.00
5580MHz	Pass	2.42	14.95	15.18	15.69	15.33	21.32	24.00	23.74	30.00
5700MHz	Pass	2.42	14.95	14.73	15.47	15.31	21.15	24.00	23.57	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.42	14.07	14.36	14.86	14.57	20.50	22.64	22.92	28.64
5720MHz Straddle 5.725-5.85GHz	Pass	2.90	8.23	8.09	8.42	8.49	14.33	30.00	17.23	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	2.17	15.56	15.92	16.12	15.82	21.88	24.00	24.05	30.00
5300MHz	Pass	2.17	15.35	15.88	16.26	15.61	21.81	24.00	23.98	30.00
5320MHz	Pass	2.17	15.36	15.91	16.32	15.63	21.84	24.00	24.01	30.00
5500MHz	Pass	2.42	14.95	14.96	15.83	15.65	21.39	24.00	23.81	30.00
5580MHz	Pass	2.42	15.27	15.32	15.97	15.63	21.58	24.00	24.00	30.00
5700MHz	Pass	2.42	15.12	14.82	15.73	15.36	21.29	24.00	23.71	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.42	14.11	14.28	14.71	14.56	20.44	23.05	22.86	29.05
5720MHz Straddle 5.725-5.85GHz	Pass	2.90	9.23	9.27	9.84	9.59	15.51	30.00	18.41	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	2.17	17.05	17.27	17.62	17.12	23.29	24.00	25.46	30.00
5310MHz	Pass	2.17	17.05	17.56	17.82	17.15	23.43	24.00	25.60	30.00
5510MHz	Pass	2.42	16.77	16.56	17.6	17.12	23.05	24.00	25.47	30.00
5590MHz	Pass	2.42	16.83	16.85	17.61	17.12	23.13	24.00	25.55	30.00
5670MHz	Pass	2.42	16.93	16.71	17.38	17.08	23.05	24.00	25.47	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.42	16.68	16.81	17.24	16.91	22.94	24.00	25.36	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.90	5.55	5.57	6.08	5.69	11.75	30.00	14.65	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	2.17	13.33	13.55	13.71	13.49	19.54	24.00	21.71	30.00
5530MHz	Pass	2.42	13.79	13.82	14.65	14.42	20.21	24.00	22.63	30.00
5610MHz	Pass	2.42	17.56	17.47	17.91	17.65	23.67	24.00	26.09	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.42	17.36	17.53	17.94	17.6	23.63	24.00	26.05	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.90	2.82	2.77	3.42	3.07	9.05	30.00	11.95	36.00
802.11ax	-	-	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
HEW160_Nss1,(MCS0)_4TX										
5250MHz Straddle 5.15-5.25GHz	Pass	2.13	9.46	10.66	10.71	10.35	16.34	30.00	18.47	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.17	9.8	10.71	10.91	10.54	16.53	24.00	18.70	30.00
5570MHz	Pass	2.42	11.73	11.85	12.62	11.95	18.07	24.00	20.49	30.00

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

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

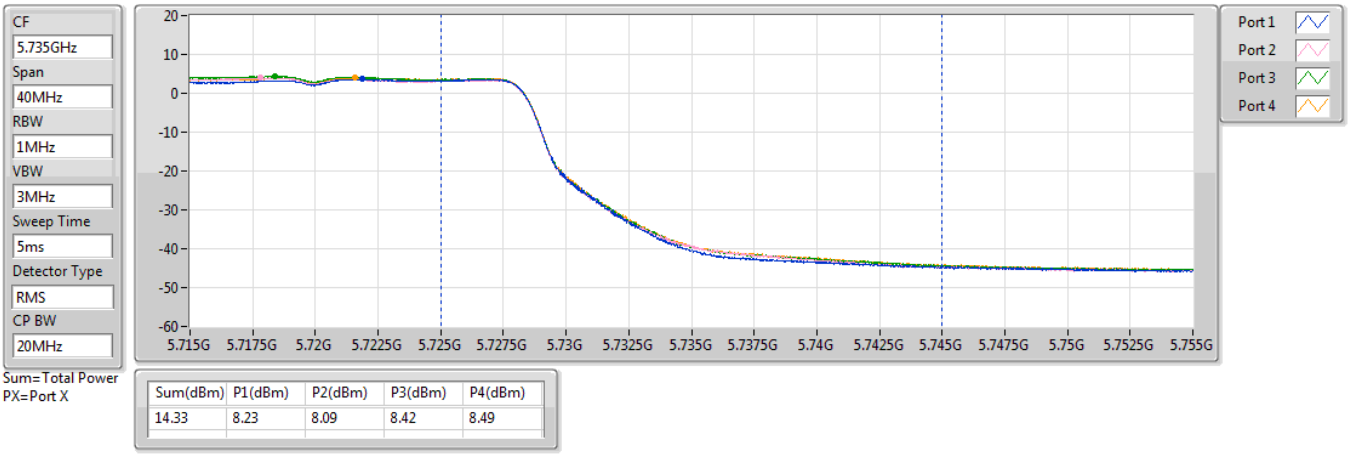
5720MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.50	14.07	14.36	14.86	14.57

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

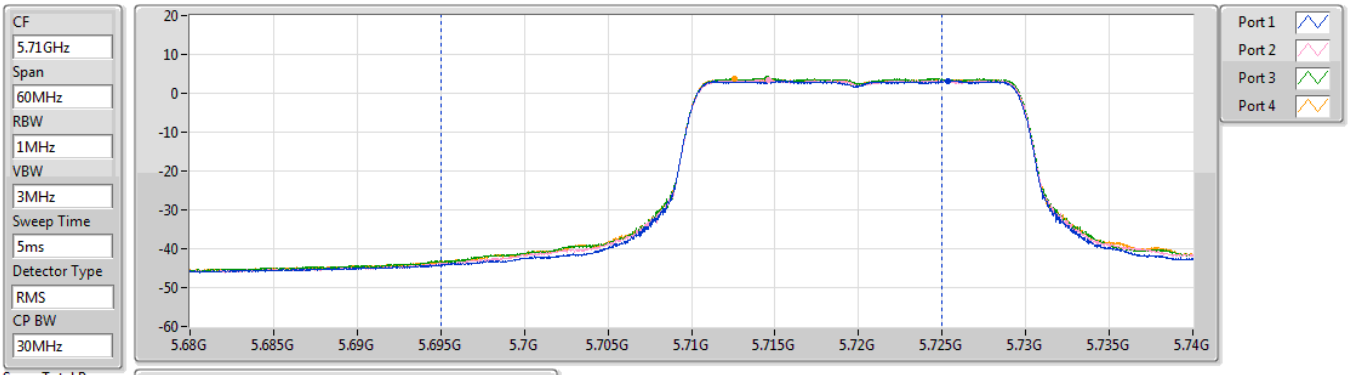
5720MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.33	8.23	8.09	8.42	8.49

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

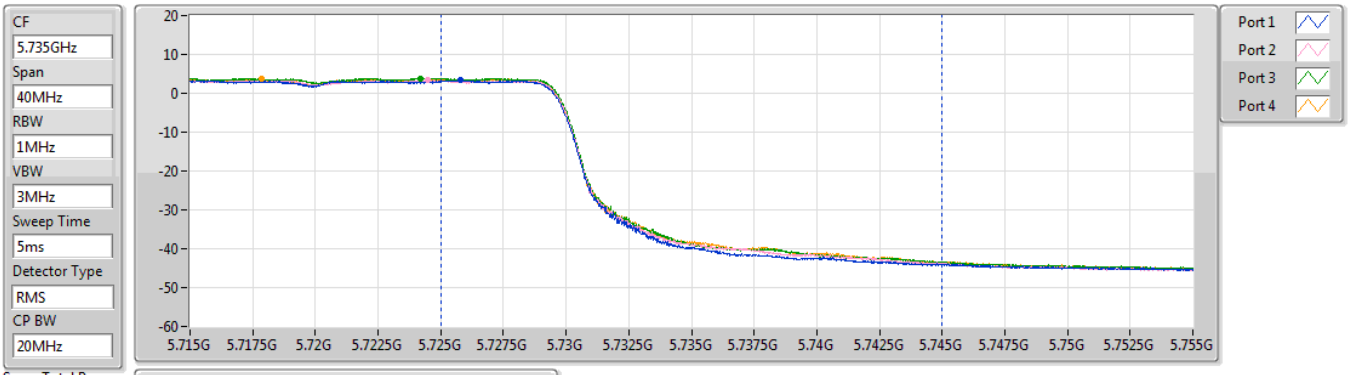
5720MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.44	14.11	14.28	14.71	14.56

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

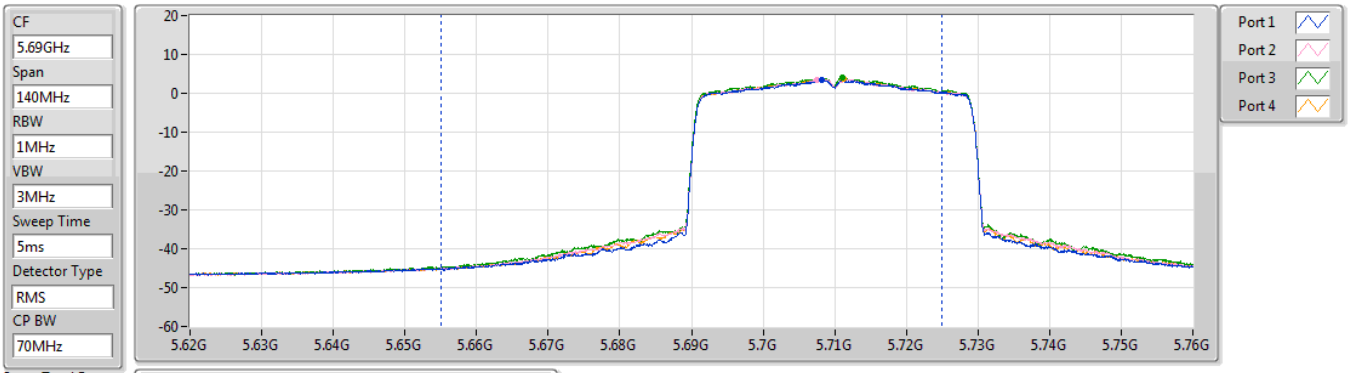
5720MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.51	9.23	9.27	9.84	9.59

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TX

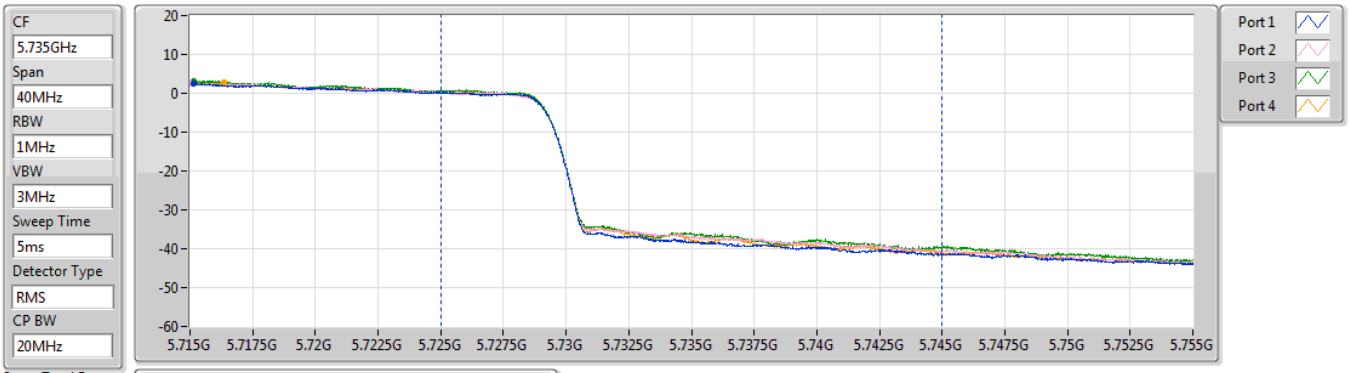


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.94	16.68	16.81	17.24	16.91

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz_TX

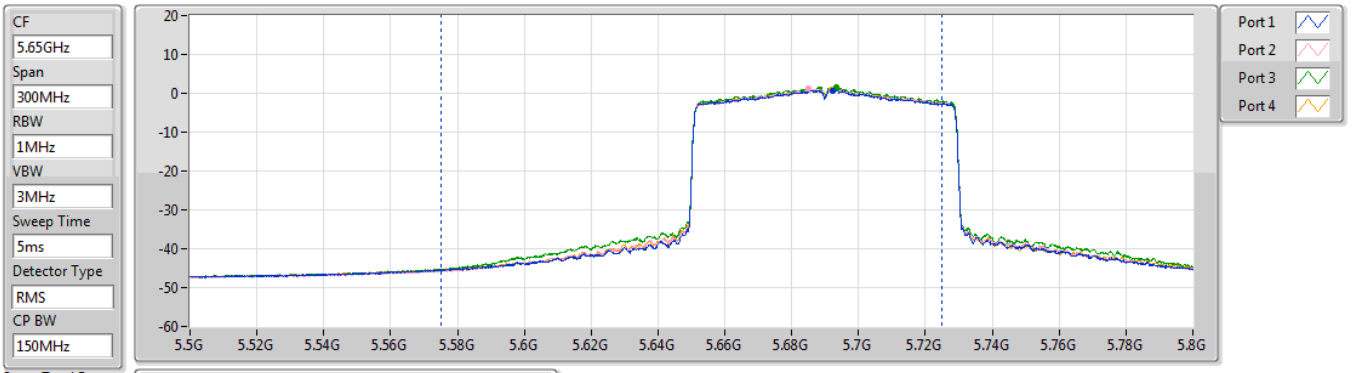


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.75	5.55	5.57	6.08	5.69

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

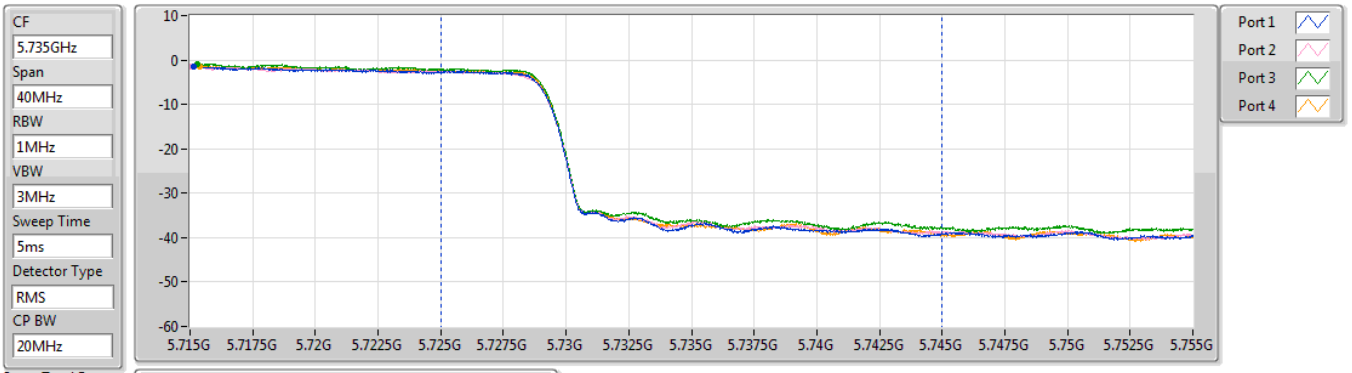
5690MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.63	17.36	17.53	17.94	17.60

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

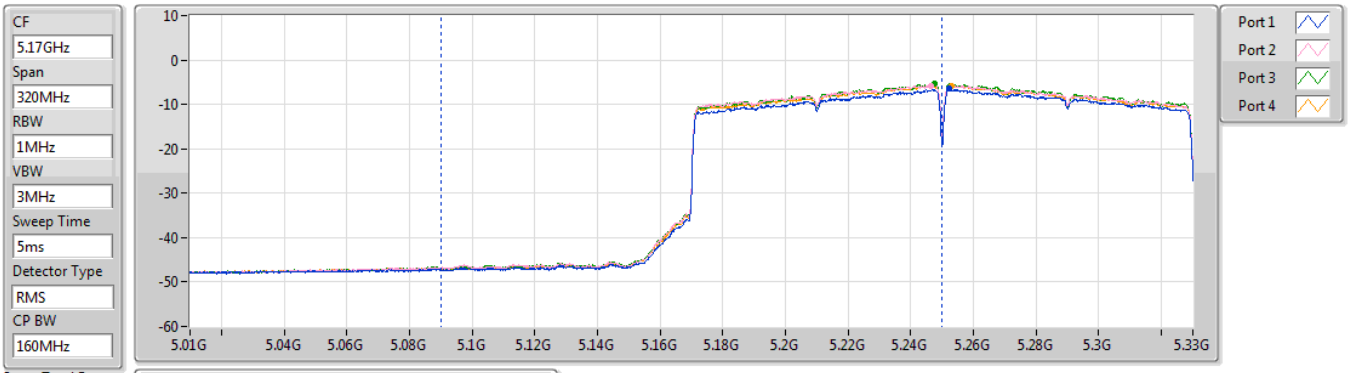
5690MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.05	2.82	2.77	3.42	3.07

5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **AV Power**

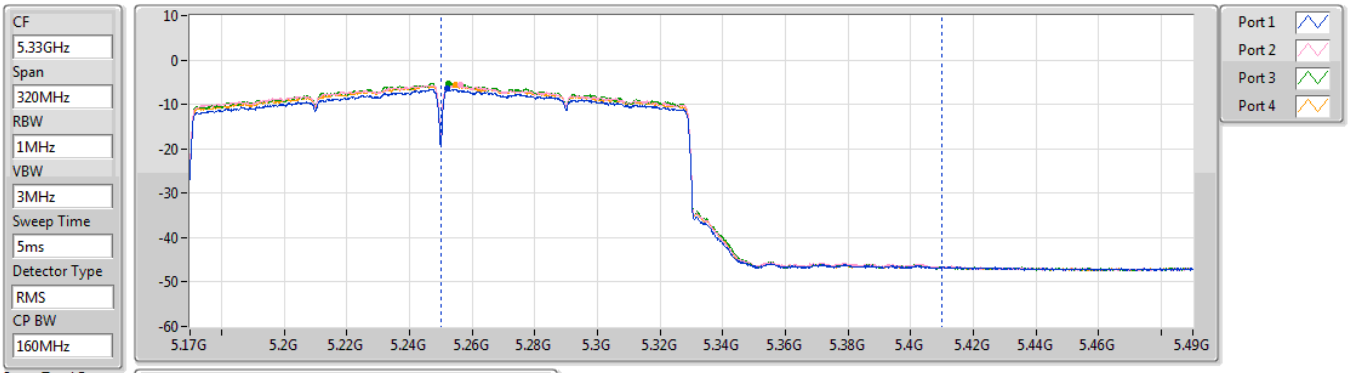
5250MHz Straddle 5.15-5.25GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.34	9.46	10.66	10.71	10.35

5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.25-5.35GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.53	9.80	10.71	10.91	10.54

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	10.32	0.01076	18.47	0.07031
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.86	0.03855	24.05	0.25410
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.41	0.05508	25.60	0.36308
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.52	0.02249	21.71	0.14825
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	10.51	0.01125	18.70	0.07413
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.56	0.03597	24.00	0.25119
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.11	0.05140	25.55	0.35892
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.65	0.05821	26.09	0.40644
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	12.05	0.01603	20.49	0.11194
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.49	0.00889	18.41	0.06934
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.73	0.00374	14.65	0.02917
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.03	0.00201	11.95	0.01567

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.19	9.54	9.9	10.1	9.8	15.86	21.81	24.05	30.00
5300MHz	Pass	8.19	9.33	9.86	10.24	9.59	15.79	21.81	23.98	30.00
5320MHz	Pass	8.19	9.34	9.89	10.3	9.61	15.82	21.81	24.01	30.00
5500MHz	Pass	8.44	8.93	8.94	9.81	9.63	15.37	21.56	23.81	30.00
5580MHz	Pass	8.44	9.25	9.3	9.95	9.61	15.56	21.56	24.00	30.00
5700MHz	Pass	8.44	9.1	8.8	9.71	9.34	15.27	21.56	23.71	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.44	8.09	8.26	8.69	8.54	14.42	20.61	22.86	29.05
5720MHz Straddle 5.725-5.85GHz	Pass	8.92	3.21	3.25	3.82	3.57	9.49	27.08	18.41	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8.19	11.03	11.25	11.6	11.1	17.27	21.81	25.46	30.00
5310MHz	Pass	8.19	11.03	11.54	11.8	11.13	17.41	21.81	25.60	30.00
5510MHz	Pass	8.44	10.75	10.54	11.58	11.1	17.03	21.56	25.47	30.00
5590MHz	Pass	8.44	10.81	10.83	11.59	11.1	17.11	21.56	25.55	30.00
5670MHz	Pass	8.44	10.91	10.69	11.36	11.06	17.03	21.56	25.47	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.44	10.66	10.79	11.22	10.89	16.92	21.56	25.36	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.92	-0.47	-0.45	0.06	-0.33	5.73	27.08	14.65	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8.19	7.31	7.53	7.69	7.47	13.52	21.81	21.71	30.00
5530MHz	Pass	8.44	7.77	7.8	8.63	8.4	14.19	21.56	22.63	30.00
5610MHz	Pass	8.44	11.54	11.45	11.89	11.63	17.65	21.56	26.09	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.44	11.34	11.51	11.92	11.58	17.61	21.56	26.05	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.92	-3.2	-3.25	-2.6	-2.95	3.03	27.08	11.95	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.15	3.44	4.64	4.69	4.33	10.32	27.85	18.47	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	8.19	3.78	4.69	4.89	4.52	10.51	21.81	18.70	30.00
5570MHz	Pass	8.44	5.71	5.83	6.6	5.93	12.05	21.56	20.49	30.00

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

Note:
For 5180~5240MHz:
Directional gain = 2.13+10* log(4/1)=8.15 dBi > 6dBi, so the limit of output power shall be reduced to 30 dBm – (8.15dBi – 6dBi) =27.85 dBm
For 5260~5320MHz:
Directional gain = 2.17+10* log(4/1)=8.19 dBi > 6dBi, so the limit of output power shall be reduced to 24 dBm – (8.19dBi – 6dBi) =21.81 dBm
For 5500~5720MHz:
Directional gain = 2.42+10* log(4/1)=8.44 dBi > 6dBi, so the limit of output power shall be reduced to 24 dBm – (8.44dBi – 6dBi) =21.56 dBm
For 5745~5825MHz:
Directional gain = 2.9+10* log(4/1)=8.92 dBi > 6dBi, so the limit of output power shall be reduced to 30 dBm – (8.92dBi – 6dBi) =27.08 dBm

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.28	6.87
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	8.68	16.87
802.11ax HEW20_Nss1,(MCS0)_4TX	8.44	16.63
802.11ax HEW40_Nss1,(MCS0)_4TX	8.62	16.81
802.11ax HEW80_Nss1,(MCS0)_4TX	1.56	9.75
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.16	7.03
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	8.40	16.84
802.11ax HEW20_Nss1,(MCS0)_4TX	8.15	16.59
802.11ax HEW40_Nss1,(MCS0)_4TX	8.23	16.67
802.11ax HEW80_Nss1,(MCS0)_4TX	5.57	14.01
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.37	6.07
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.62	15.54
802.11ax HEW20_Nss1,(MCS0)_4TX	6.45	15.37
802.11ax HEW40_Nss1,(MCS0)_4TX	3.42	12.34
802.11ax HEW80_Nss1,(MCS0)_4TX	0.74	9.66

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.19	2.69	2.93	3.22	2.71	8.68	8.81	16.87	17.00
5300MHz	Pass	8.19	2.25	2.93	3.40	2.58	8.66	8.81	16.85	17.00
5320MHz	Pass	8.19	2.04	2.61	3.28	2.28	8.42	8.81	16.61	17.00
5500MHz	Pass	8.44	2.00	1.96	3.01	2.67	8.18	8.56	16.62	17.00
5580MHz	Pass	8.44	2.35	2.57	2.99	2.68	8.35	8.56	16.79	17.00
5700MHz	Pass	8.44	2.22	2.08	2.83	2.43	8.23	8.56	16.67	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.44	2.31	2.48	2.99	2.55	8.40	8.56	16.84	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.92	0.66	0.53	0.88	0.97	6.62	27.08	15.54	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.19	2.45	2.67	2.90	2.41	8.44	8.81	16.63	17.00
5300MHz	Pass	8.19	2.02	2.74	3.30	2.33	8.35	8.81	16.54	17.00
5320MHz	Pass	8.19	2.18	2.89	3.15	2.46	8.43	8.81	16.62	17.00
5500MHz	Pass	8.44	1.81	1.73	2.84	2.44	7.95	8.56	16.39	17.00
5580MHz	Pass	8.44	1.94	2.26	2.97	2.43	8.15	8.56	16.59	17.00
5700MHz	Pass	8.44	1.80	1.70	2.45	2.21	7.84	8.56	16.28	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.44	1.93	2.21	2.51	2.22	7.98	8.56	16.42	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.92	0.56	0.51	0.98	0.84	6.45	27.08	15.37	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8.19	2.38	2.48	2.99	2.33	8.37	8.81	16.56	17.00
5310MHz	Pass	8.19	2.29	2.97	3.42	2.47	8.62	8.81	16.81	17.00
5510MHz	Pass	8.44	1.91	2.01	3.09	2.24	8.07	8.56	16.51	17.00
5590MHz	Pass	8.44	2.23	2.06	2.93	2.34	8.23	8.56	16.67	17.00
5670MHz	Pass	8.44	2.47	1.95	2.60	2.24	8.10	8.56	16.54	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.44	1.87	2.30	3.03	2.29	8.17	8.56	16.61	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.92	-2.61	-2.49	-2.00	-2.45	3.42	27.08	12.34	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8.19	-4.44	-4.34	-4.00	-4.47	1.56	8.81	9.75	17.00
5530MHz	Pass	8.44	-3.46	-3.62	-2.76	-3.08	2.53	8.56	10.97	17.00
5610MHz	Pass	8.44	-0.26	-0.27	0.10	-0.34	5.57	8.56	14.01	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.44	-0.44	-0.48	0.25	-0.64	5.50	8.56	13.94	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.92	-5.14	-5.24	-4.82	-5.07	0.74	27.08	9.66	36.00
802.11ax	-	-	-	-	-	-	-	-	-	-

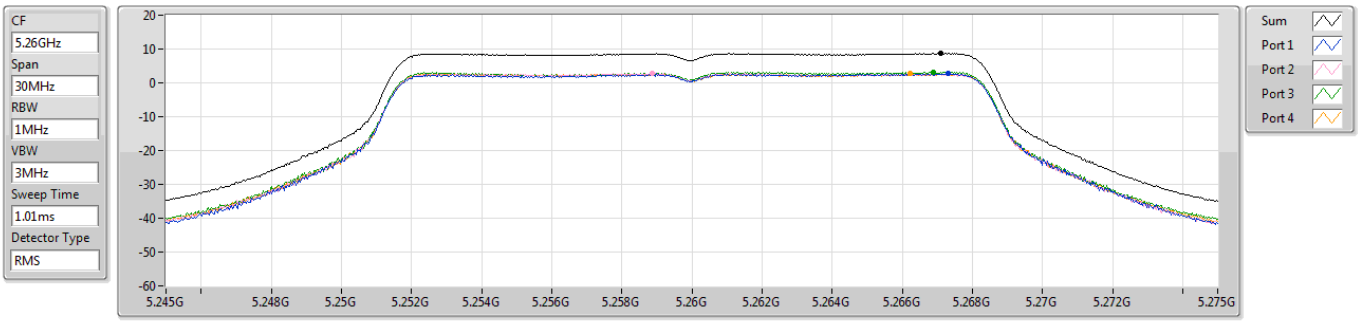
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
HEW160_Nss1,(MCS0)_4TX										
5250MHz Straddle 5.15-5.25GHz	Pass	8.15	-7.88	-6.97	-6.73	-7.06	-1.28	14.85	6.87	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	8.19	-7.74	-6.76	-6.60	-7.12	-1.16	8.81	7.03	17.00
5570MHz	Pass	8.44	-8.46	-8.59	-7.59	-8.28	-2.37	8.56	6.07	17.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Note:
For 5180~5240MHz:
Directional gain = 2.13+10* log(4/1)=8.15 dBi > 6dBi, so the limit of output power shall be reduced to 17 dBm – (8.15dBi – 6dBi) =14.85 dBm
For 5260~5320MHz:
Directional gain = 2.17+10* log(4/1)=8.19 dBi > 6dBi, so the limit of output power shall be reduced to 11 dBm – (8.19dBi – 6dBi) =8.81 dBm
For 5500~5720MHz:
Directional gain = 2.42+10* log(4/1)=8.44 dBi > 6dBi, so the limit of output power shall be reduced to 11 dBm – (8.44dBi – 6dBi) =8.56 dBm
For 5745~5825MHz:
Directional gain = 2.9+10* log(4/1)=8.92 dBi > 6dBi, so the limit of output power shall be reduced to 30 dBm – (8.92dBi – 6dBi) =27.08 dBm

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

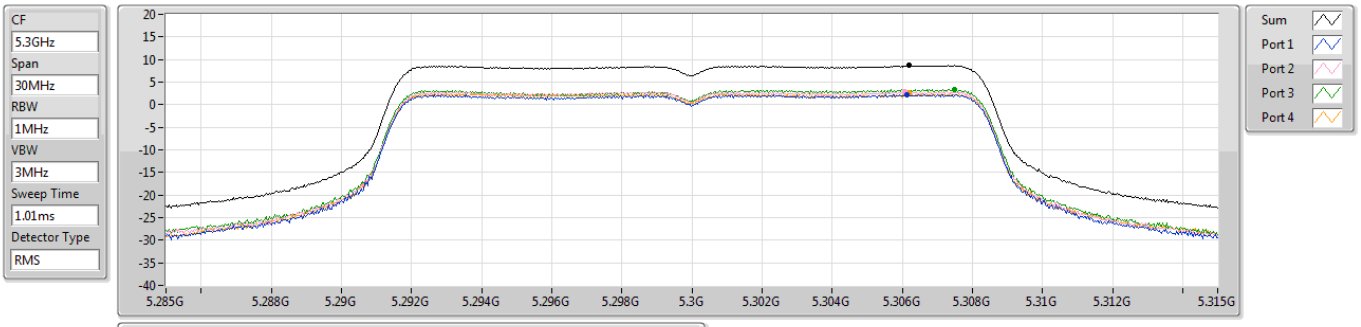
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.68	8.68	2.69	2.93	3.22	2.71

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

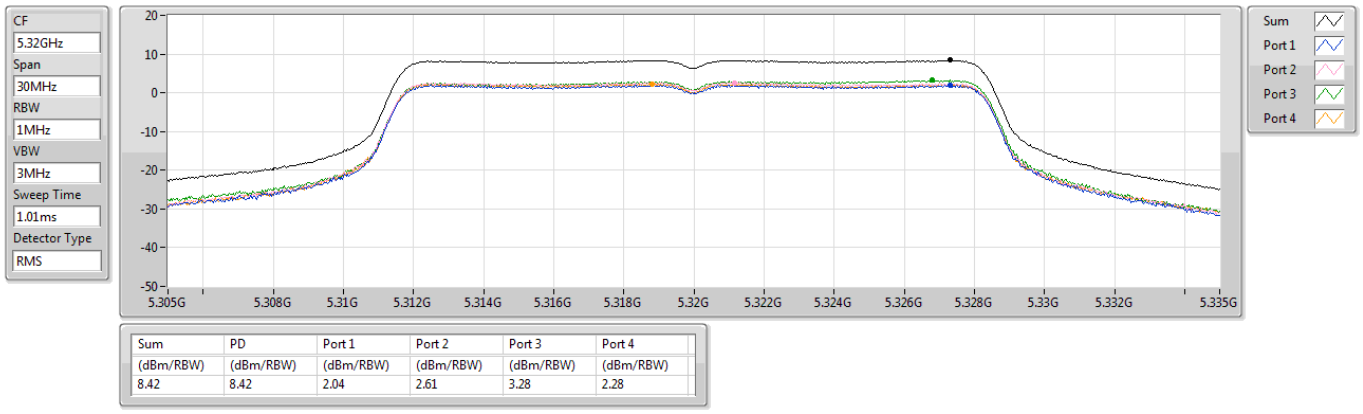
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.66	8.66	2.25	2.93	3.40	2.58

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

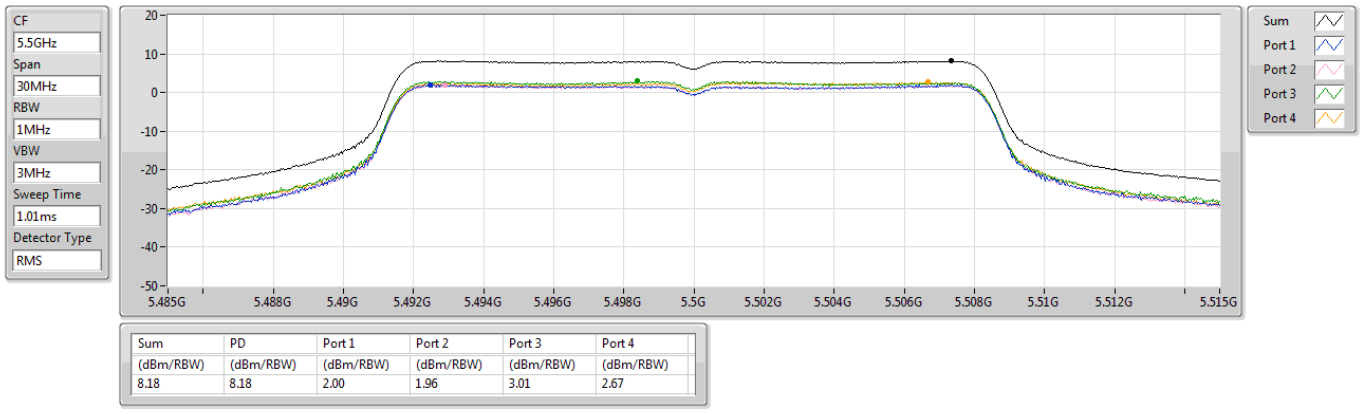
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	2.04	2.61	3.28	2.28

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

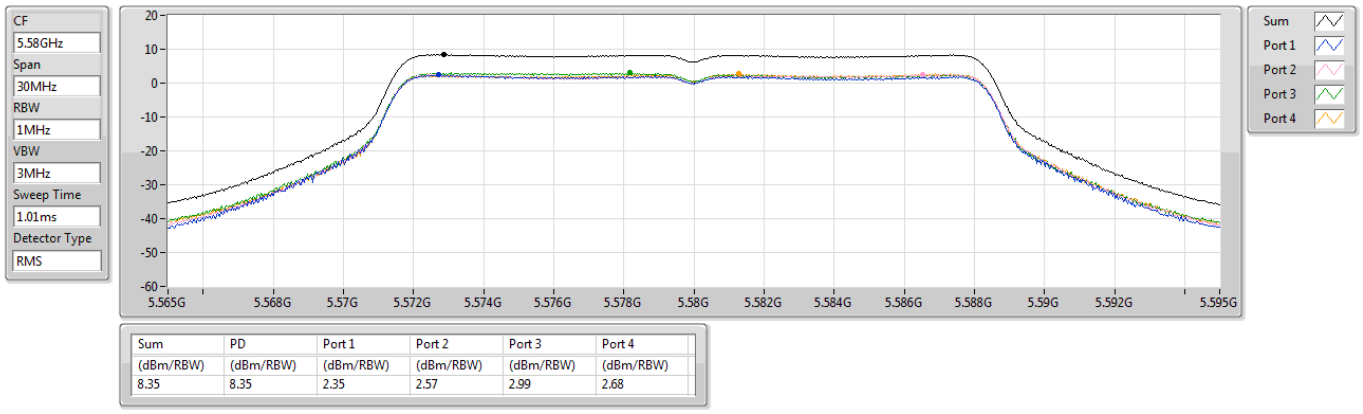
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.18	8.18	2.00	1.96	3.01	2.67

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

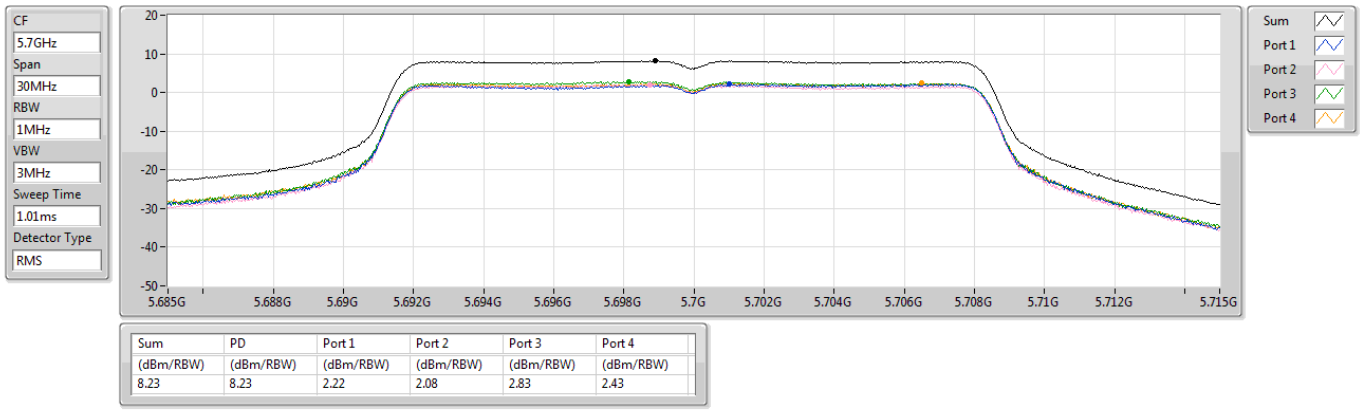
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.35	8.35	2.35	2.57	2.99	2.68

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

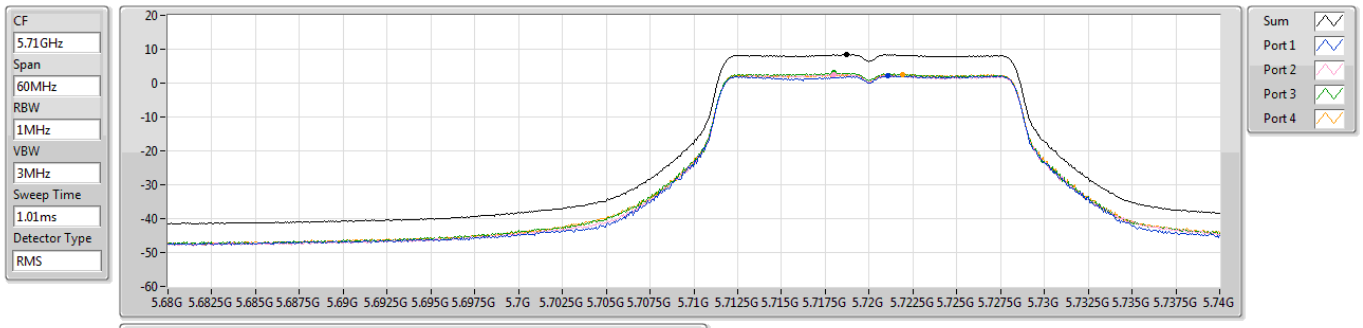
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	2.22	2.08	2.83	2.43

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

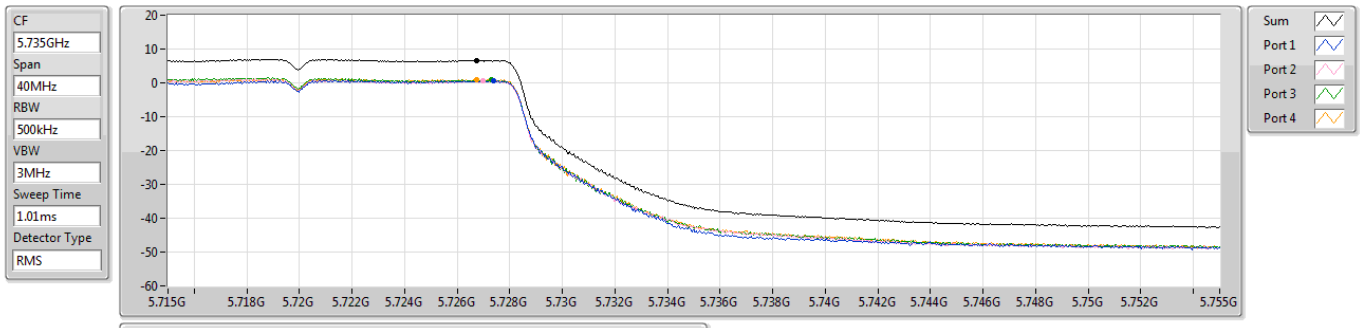
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.40	8.40	2.31	2.48	2.99	2.55

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

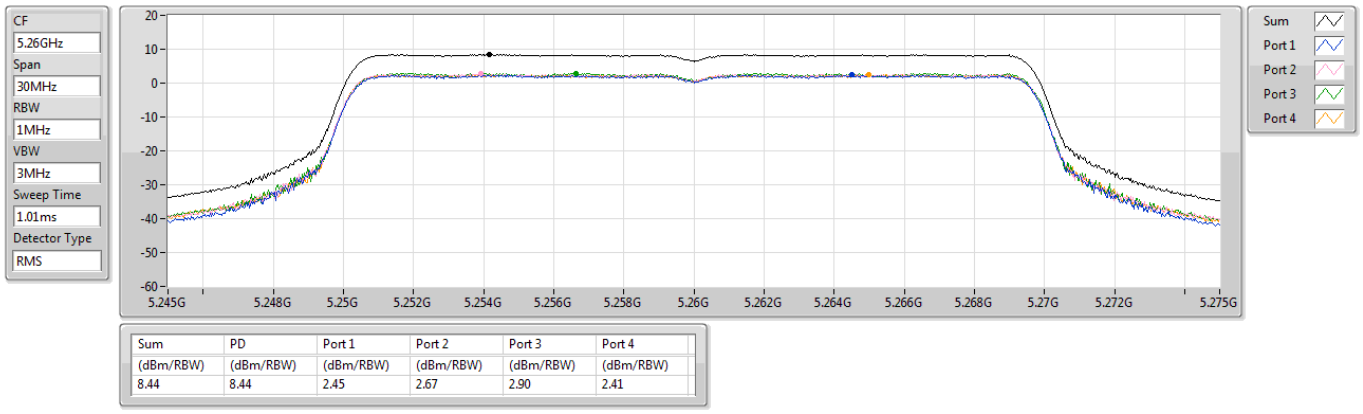
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.62	6.62	0.66	0.53	0.88	0.97

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

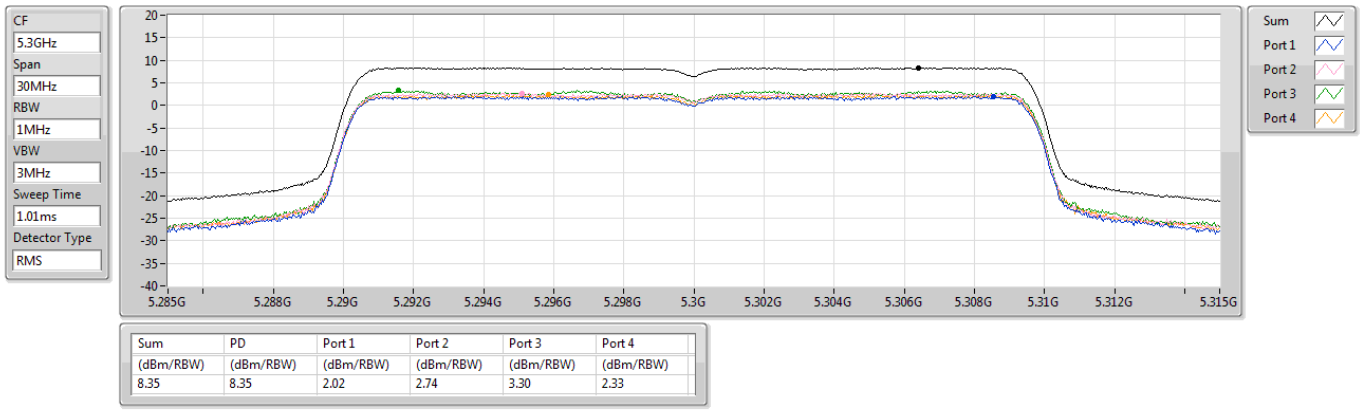
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.44	8.44	2.45	2.67	2.90	2.41

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

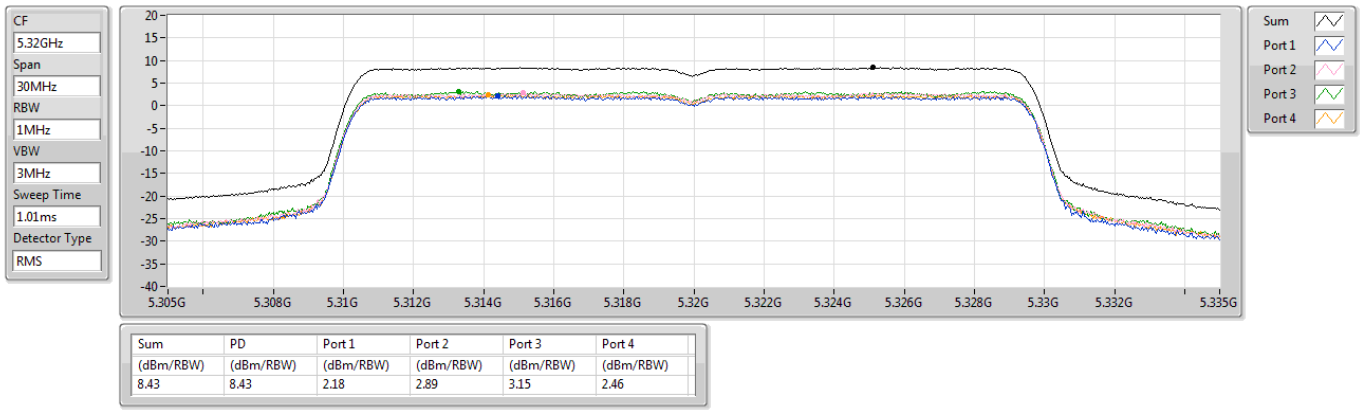
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.35	8.35	2.02	2.74	3.30	2.33

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

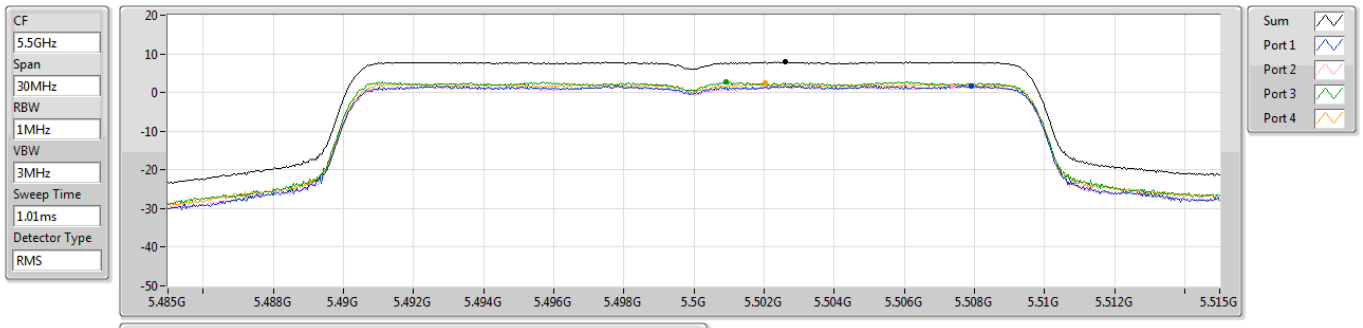
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.43	8.43	2.18	2.89	3.15	2.46

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

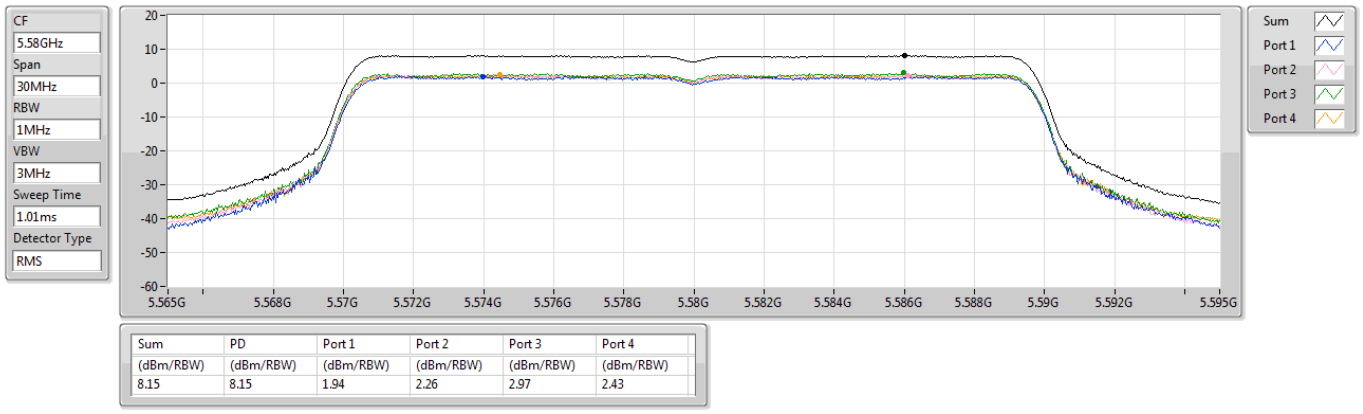
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.95	7.95	1.81	1.73	2.84	2.44

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

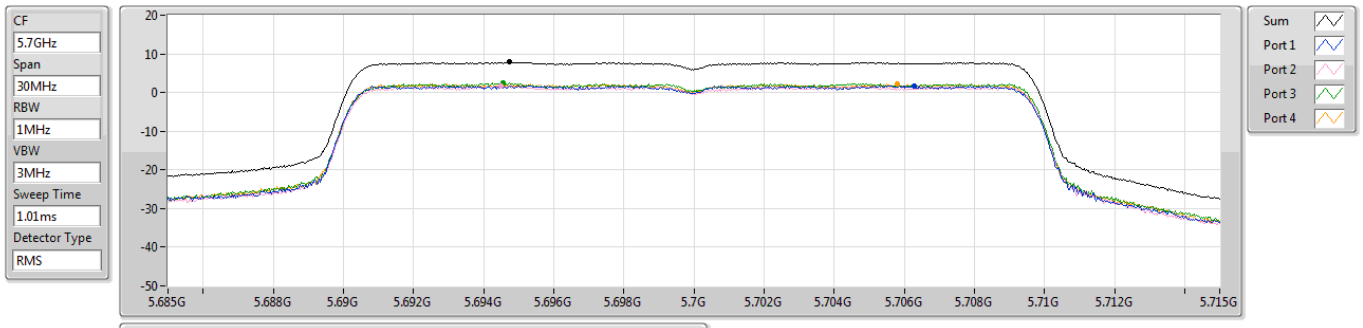
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.15	8.15	1.94	2.26	2.97	2.43

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

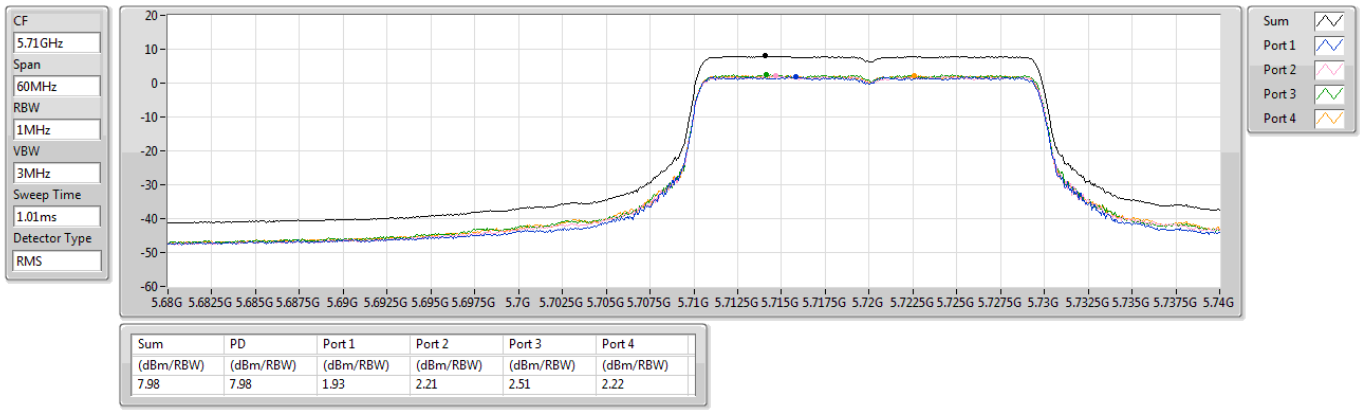
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	1.80	1.70	2.45	2.21

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

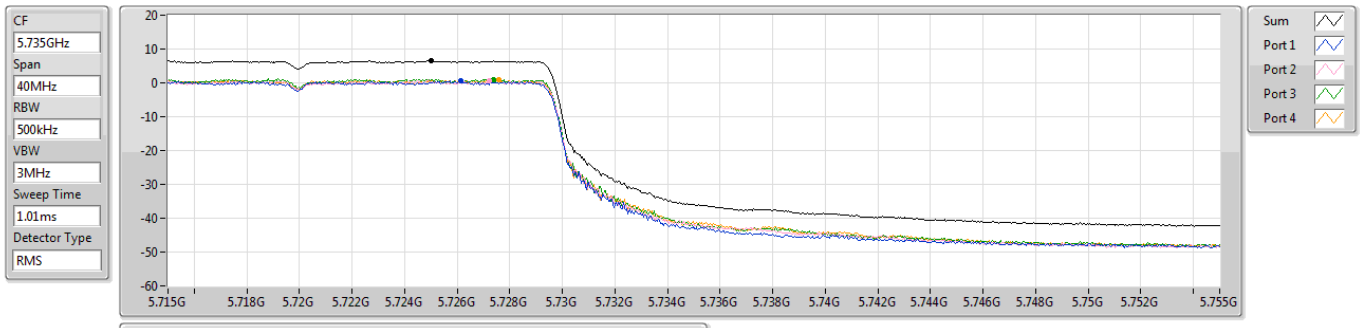
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	1.93	2.21	2.51	2.22

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

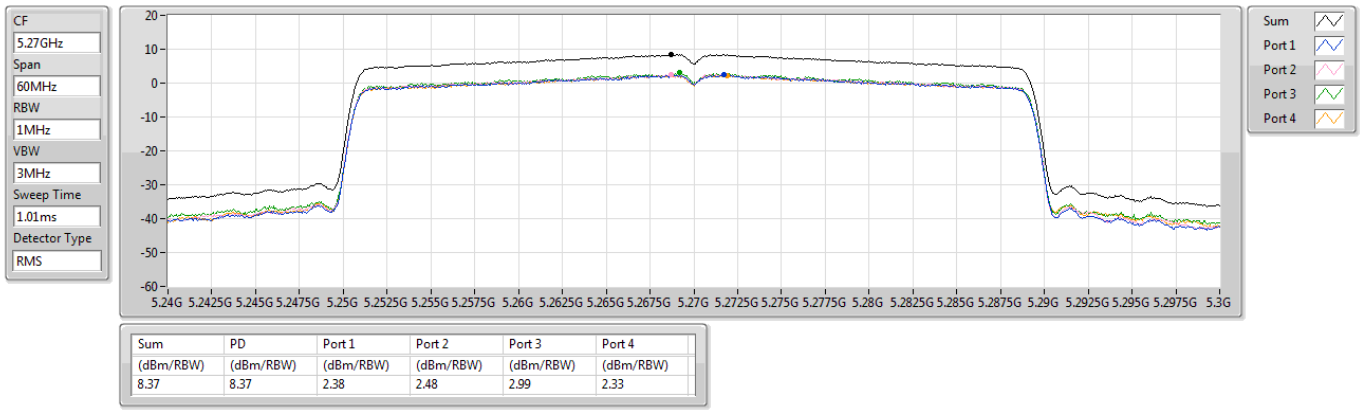
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.45	6.45	0.56	0.51	0.98	0.84

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

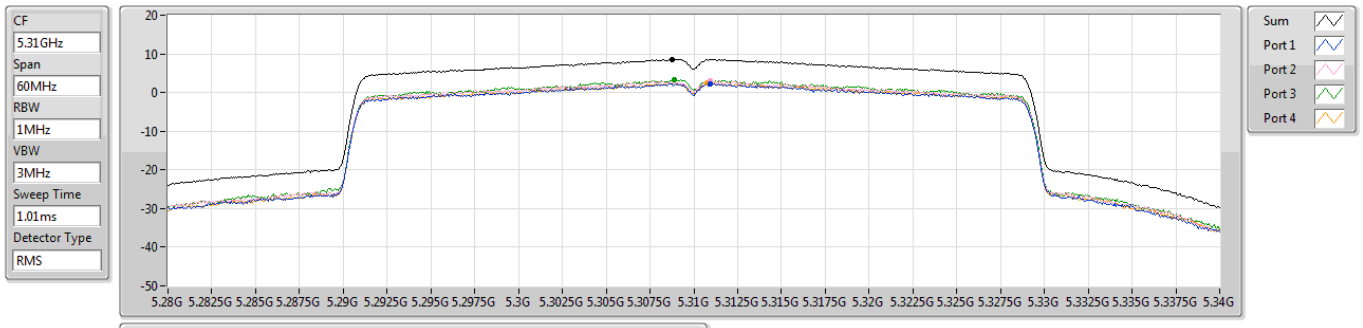
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.37	8.37	2.38	2.48	2.99	2.33

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

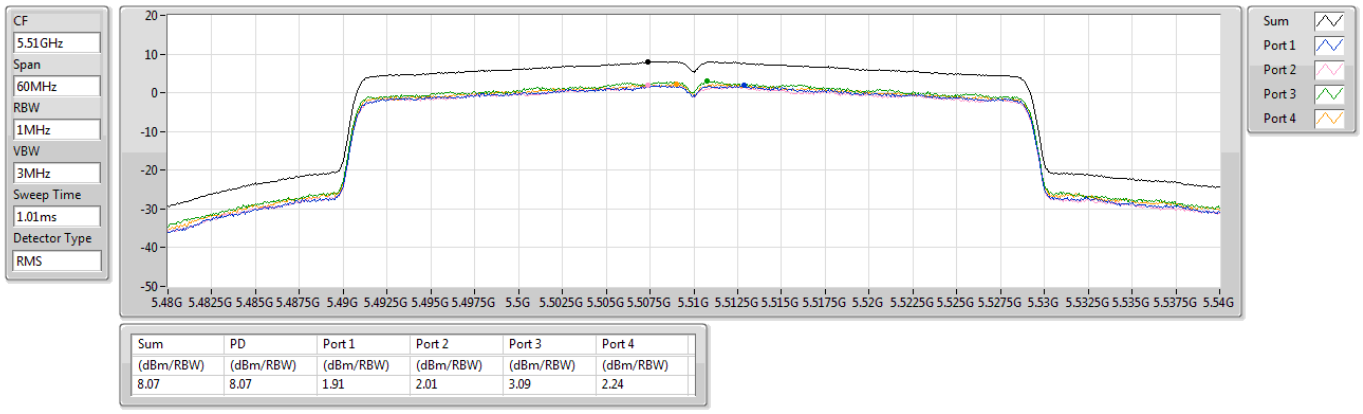
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.62	8.62	2.29	2.97	3.42	2.47

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

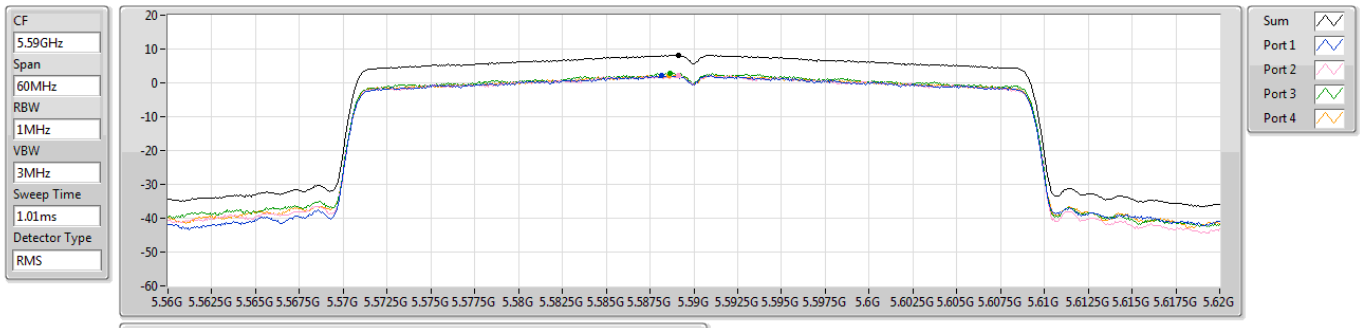
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.07	8.07	1.91	2.01	3.09	2.24

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

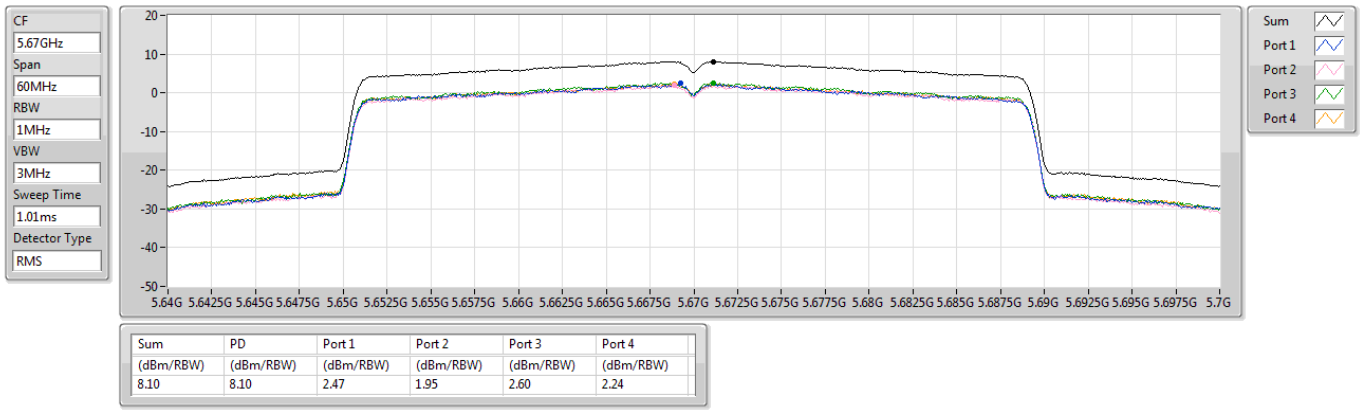
5590MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	2.23	2.06	2.93	2.34

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

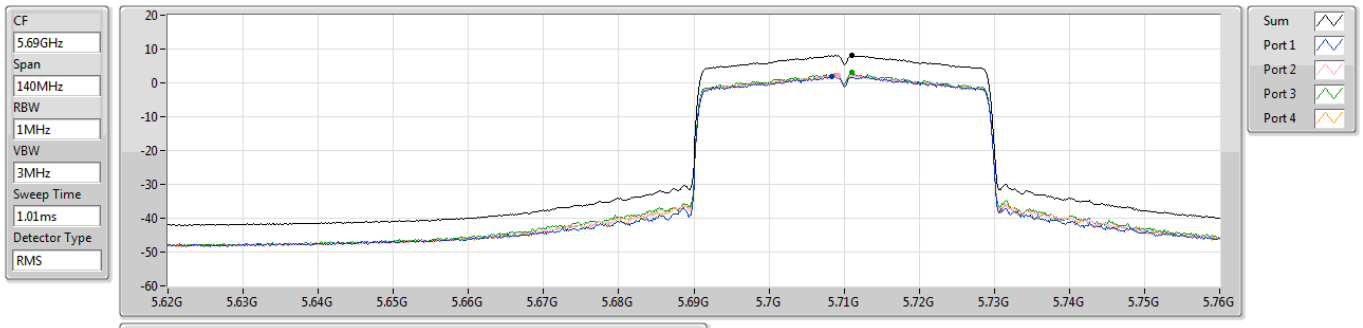
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.10	8.10	2.47	1.95	2.60	2.24

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

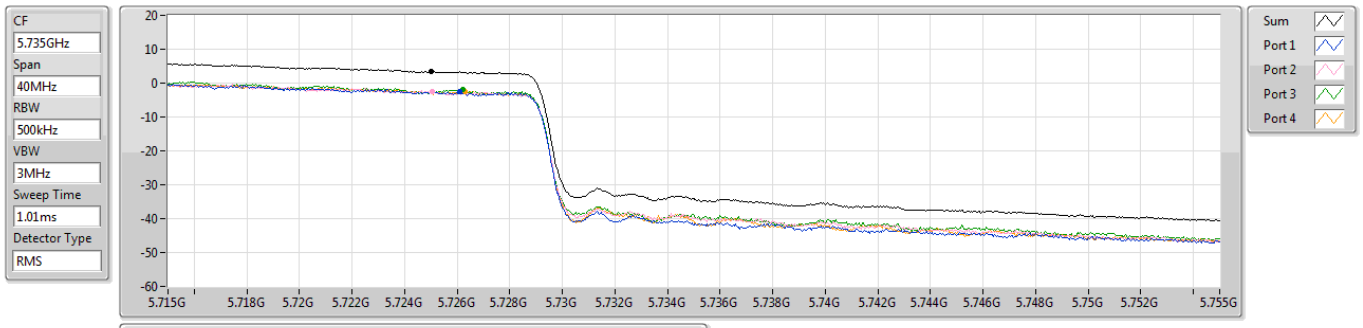
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.17	8.17	1.87	2.30	3.03	2.29

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

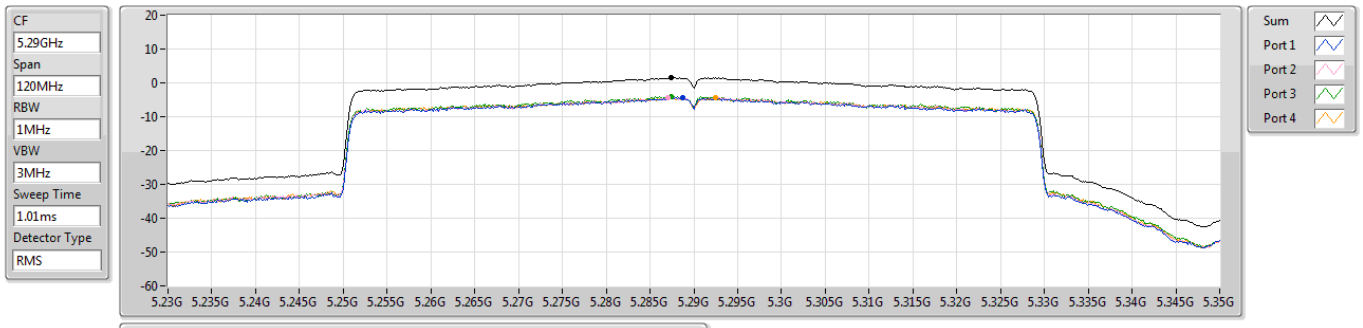
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.42	3.42	-2.61	-2.49	-2.00	-2.45

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

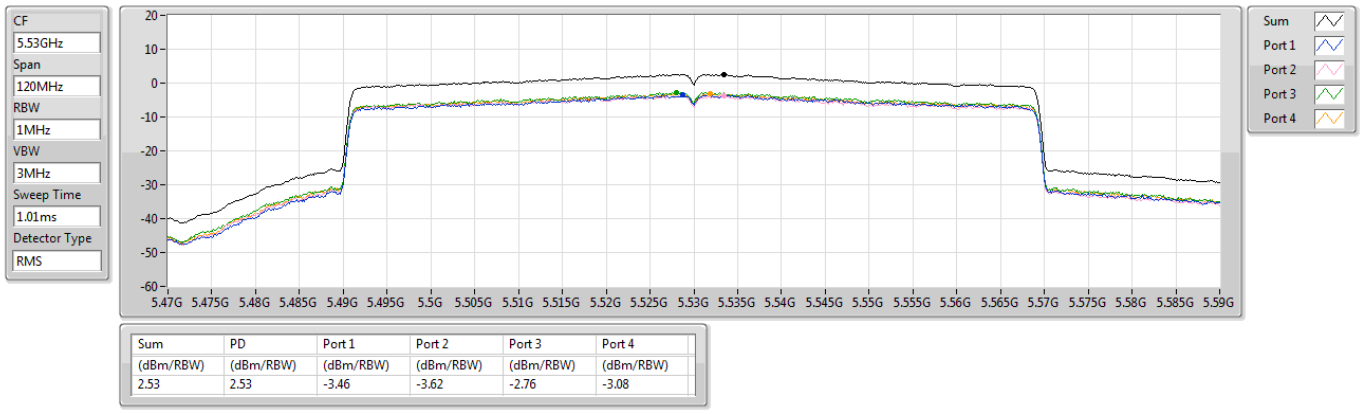
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.56	1.56	-4.44	-4.34	-4.00	-4.47

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

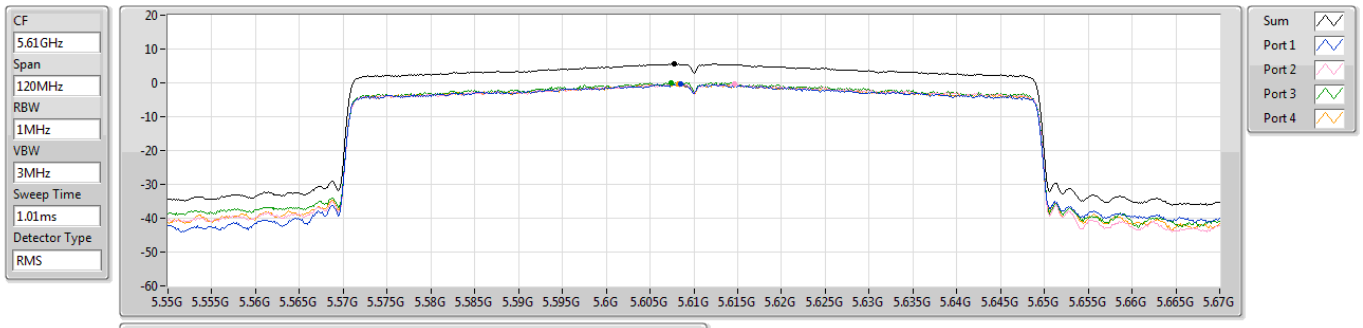
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.53	2.53	-3.46	-3.62	-2.76	-3.08

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

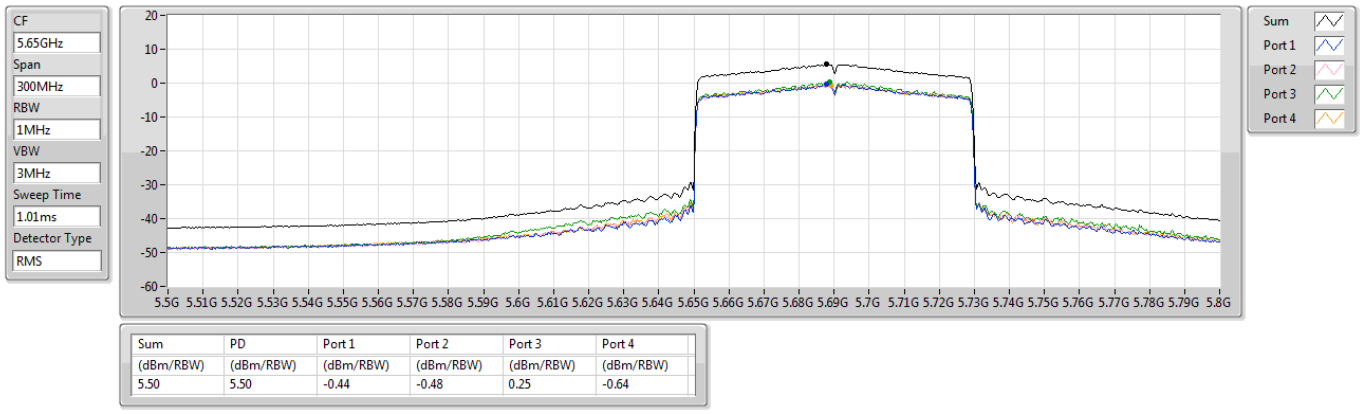
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.57	5.57	-0.26	-0.27	0.10	-0.34

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

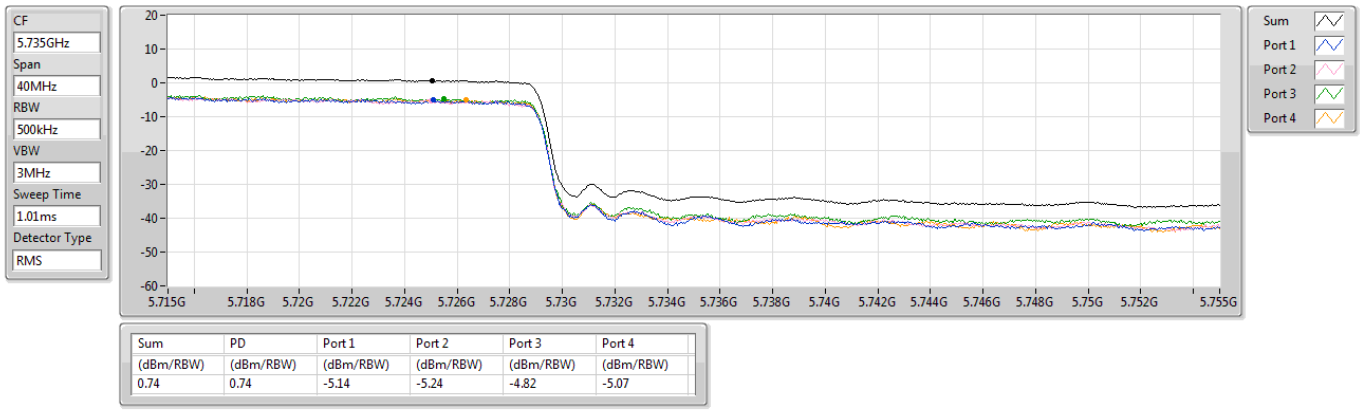
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.50	5.50	-0.44	-0.48	0.25	-0.64

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

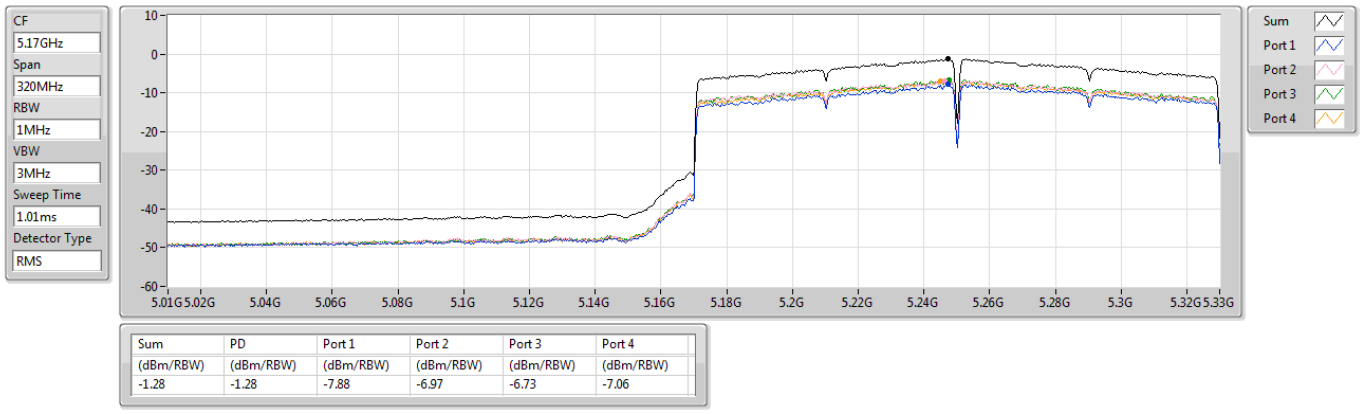
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.74	0.74	-5.14	-5.24	-4.82	-5.07

5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **PSD**

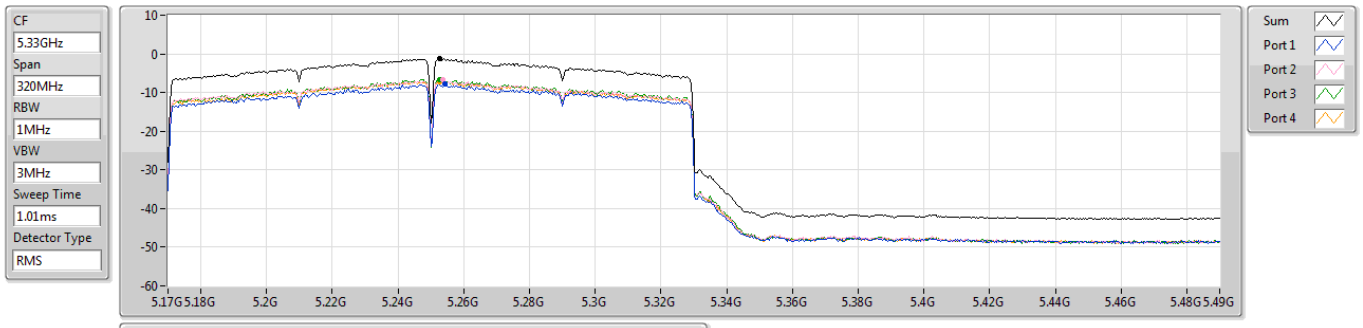
5250MHz Straddle 5.15-5.25GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.28	-1.28	-7.88	-6.97	-6.73	-7.06

5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **PSD**

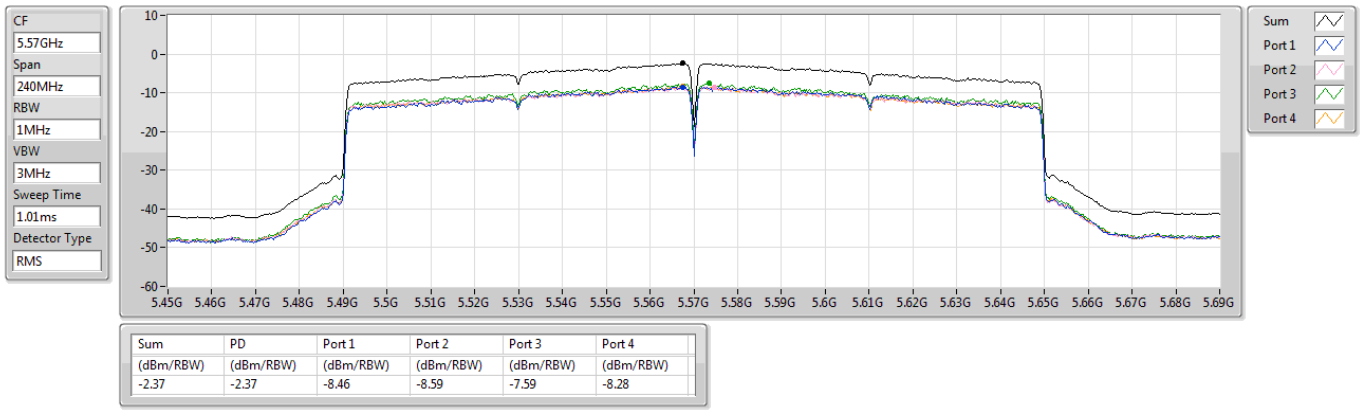
5250MHz Straddle 5.25-5.35GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.16	-1.16	-7.74	-6.76	-6.60	-7.12

5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX **PSD**

5570MHz

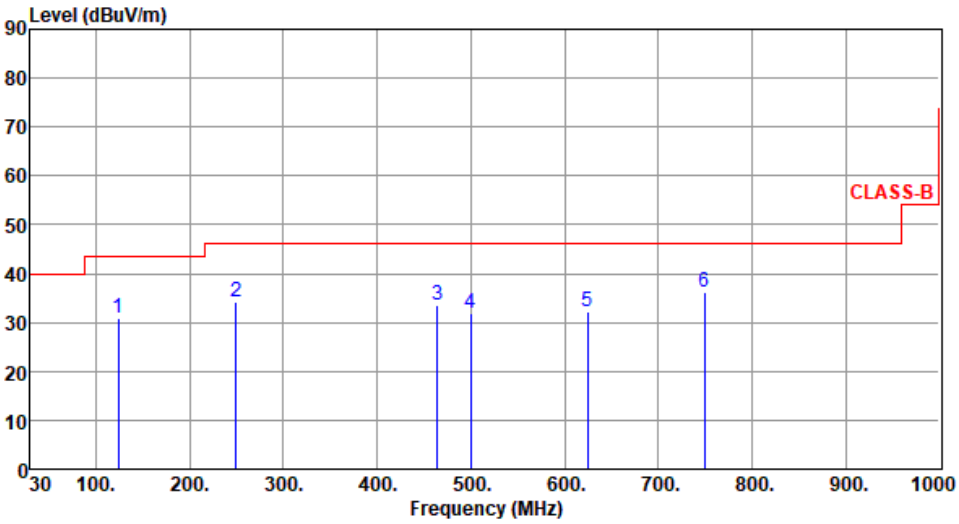


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.37	-2.37	-8.46	-8.59	-7.59	-8.28

Unwanted Emissions (Below 1GHz)

Modulation	ax HE80	**Test Freq. (MHz)**	5610
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):26 Humidity(%):64

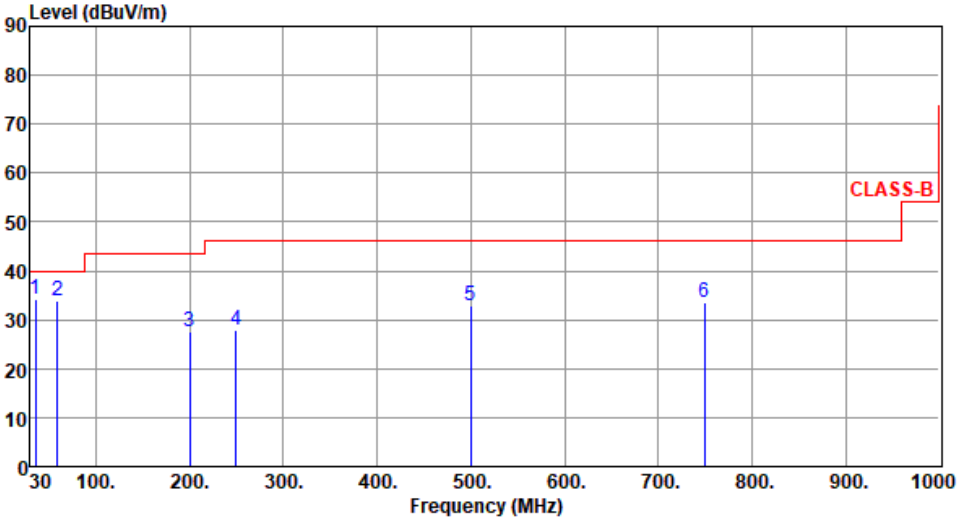


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	124.09	30.96	43.50	-12.54	41.95	-10.99	Peak	---	---
2	249.22	34.23	46.00	-11.77	44.32	-10.09	Peak	---	---
3	464.56	33.38	46.00	-12.62	37.25	-3.87	Peak	---	---
4	499.48	31.99	46.00	-14.01	35.21	-3.22	Peak	---	---
5	624.61	32.28	46.00	-13.72	32.63	-0.35	Peak	---	---
6	749.74	36.25	46.00	-9.75	34.65	1.60	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE80	**Test Freq. (MHz)**	5610
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):26 Humidity(%):64



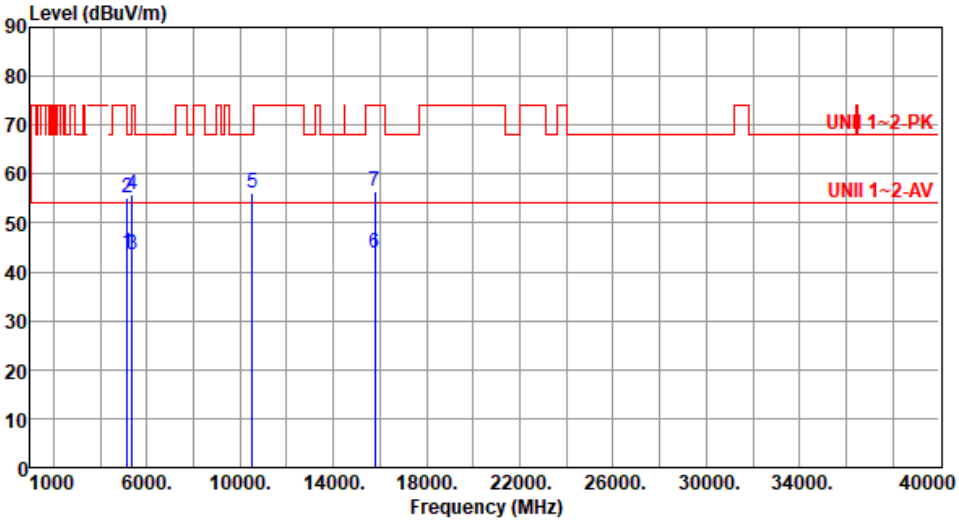
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	35.82	34.11	40.00	-5.89	43.49	-9.38	QP	100	212
2	59.10	33.88	40.00	-6.12	42.88	-9.00	Peak	---	---
3	199.75	27.69	43.50	-15.81	39.53	-11.84	Peak	---	---
4	249.22	27.95	46.00	-18.05	38.04	-10.09	Peak	---	---
5	499.48	32.93	46.00	-13.07	36.15	-3.22	Peak	---	---
6	749.74	33.68	46.00	-12.32	32.08	1.60	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

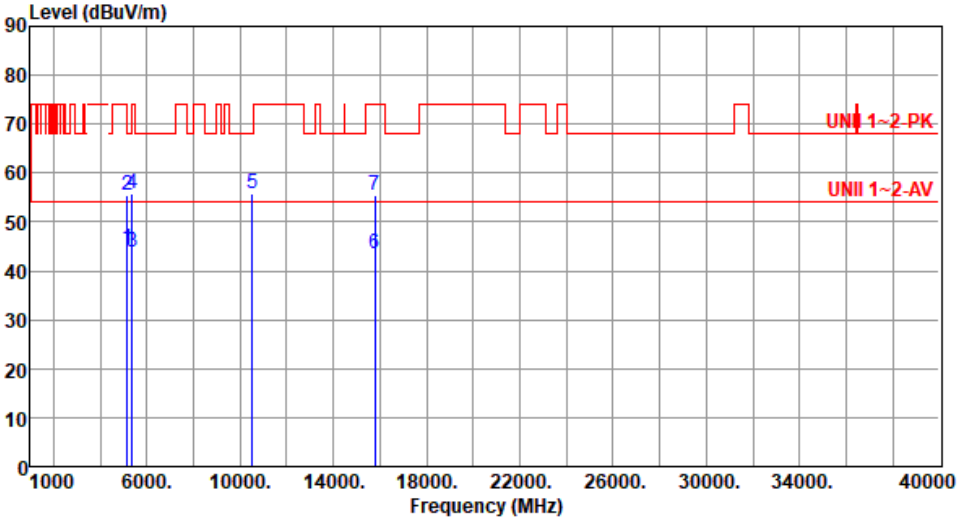


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.79	54.00	-10.21	43.65	0.14	Average	116	353
2	5150.00	55.01	74.00	-18.99	54.87	0.14	Peak	116	353
3	5350.00	43.50	54.00	-10.50	43.79	-0.29	Average	116	353
4	5350.00	55.90	74.00	-18.10	56.19	-0.29	Peak	116	353
5	10520.00	56.18	68.20	-12.02	48.99	7.19	Peak	122	251
6	15780.00	43.77	54.00	-10.23	39.90	3.87	Average	152	233
7	15780.00	56.42	74.00	-17.58	52.55	3.87	Peak	152	233

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

Modulation	11a	**Test Freq. (MHz)**	5260
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

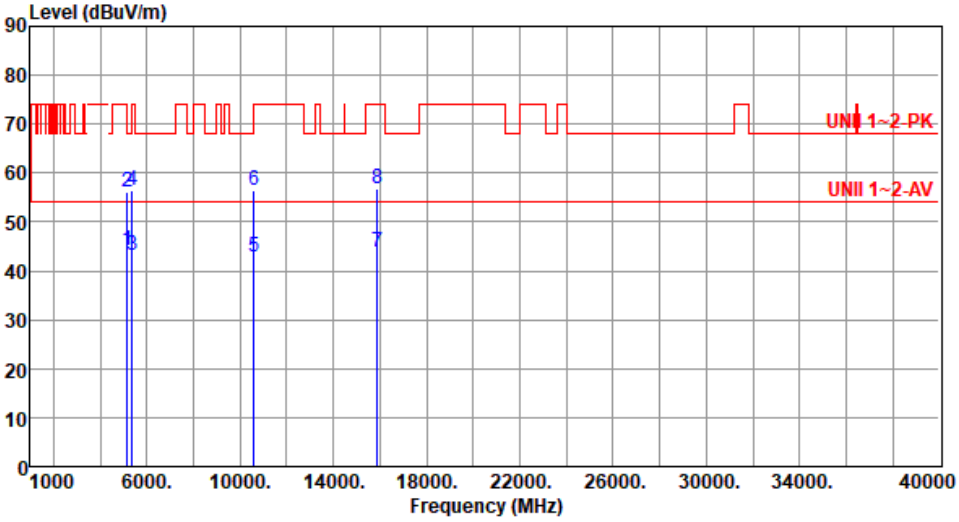


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.48	54.00	-9.52	44.34	0.14	Average	249	10
2	5150.00	55.45	74.00	-18.55	55.31	0.14	Peak	249	10
3	5350.00	43.89	54.00	-10.11	44.18	-0.29	Average	249	10
4	5350.00	55.86	74.00	-18.14	56.15	-0.29	Peak	249	10
5	10520.00	55.64	68.20	-12.56	48.45	7.19	Peak	100	129
6	15780.00	43.51	54.00	-10.49	39.64	3.87	Average	100	183
7	15780.00	55.57	74.00	-18.43	51.70	3.87	Peak	100	183

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

Modulation	11a	**Test Freq. (MHz)**	5300
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

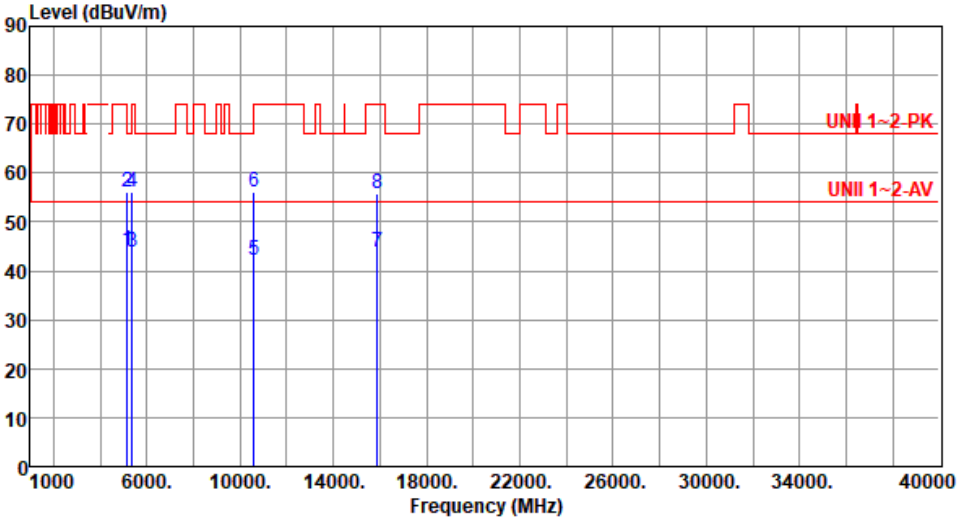


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.32	54.00	-9.68	44.18	0.14	Average	105	355
2	5150.00	56.19	74.00	-17.81	56.05	0.14	Peak	105	355
3	5350.00	43.22	54.00	-10.78	43.51	-0.29	Average	105	355
4	5350.00	56.40	74.00	-17.60	56.69	-0.29	Peak	105	355
5	10600.00	42.95	54.00	-11.05	35.78	7.17	Average	125	243
6	10600.00	56.40	74.00	-17.60	49.23	7.17	Peak	125	243
7	15900.00	43.82	54.00	-10.18	39.77	4.05	Average	157	234
8	15900.00	56.84	74.00	-17.16	52.79	4.05	Peak	157	234

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

Modulation	11a	**Test Freq. (MHz)**	5300
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

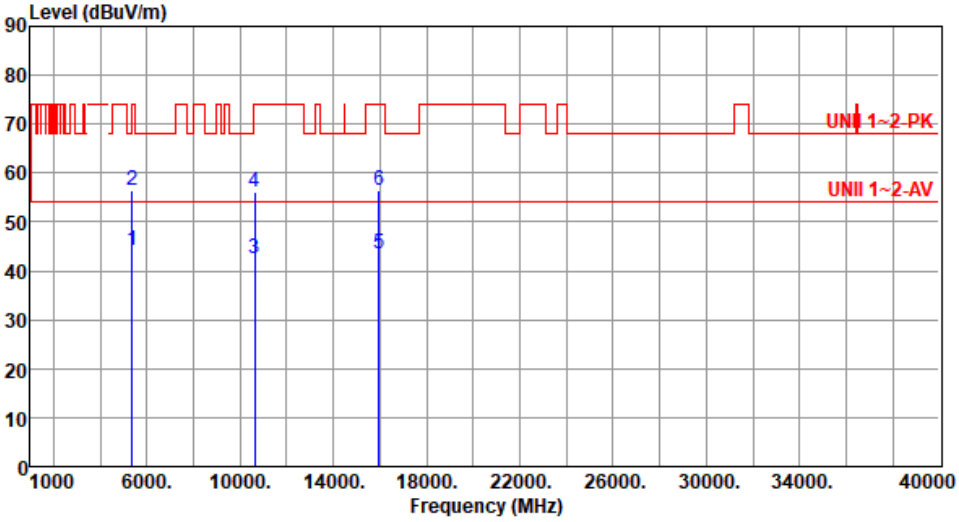


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.28	54.00	-9.72	44.14	0.14	Average	262	9
2	5150.00	56.11	74.00	-17.89	55.97	0.14	Peak	262	9
3	5350.00	43.79	54.00	-10.21	44.08	-0.29	Average	262	9
4	5350.00	56.02	74.00	-17.98	56.31	-0.29	Peak	262	9
5	10600.00	42.12	54.00	-11.88	34.95	7.17	Average	100	138
6	10600.00	55.97	74.00	-18.03	48.80	7.17	Peak	100	138
7	15900.00	43.74	54.00	-10.26	39.69	4.05	Average	100	173
8	15900.00	55.89	74.00	-18.11	51.84	4.05	Peak	100	173

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

Modulation	11a	**Test Freq. (MHz)**	5320
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

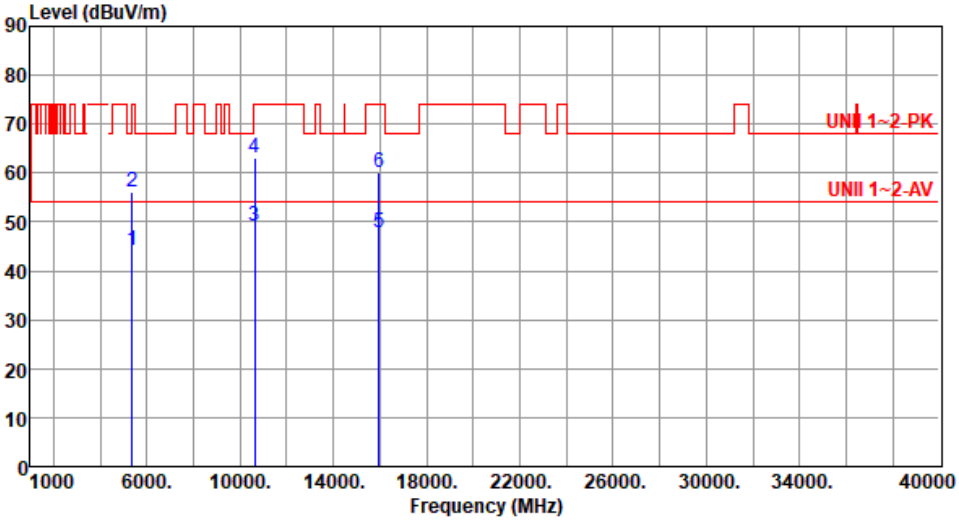


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.30	54.00	-9.70	44.59	-0.29	Average	105	355
2	5350.00	56.52	74.00	-17.48	56.81	-0.29	Peak	105	355
3	10640.00	42.61	54.00	-11.39	35.49	7.12	Average	127	242
4	10640.00	56.18	74.00	-17.82	49.06	7.12	Peak	127	242
5	15960.00	43.57	54.00	-10.43	39.54	4.03	Average	161	230
6	15960.00	56.48	74.00	-17.52	52.45	4.03	Peak	161	230

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

Modulation	11a	**Test Freq. (MHz)**	5320
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

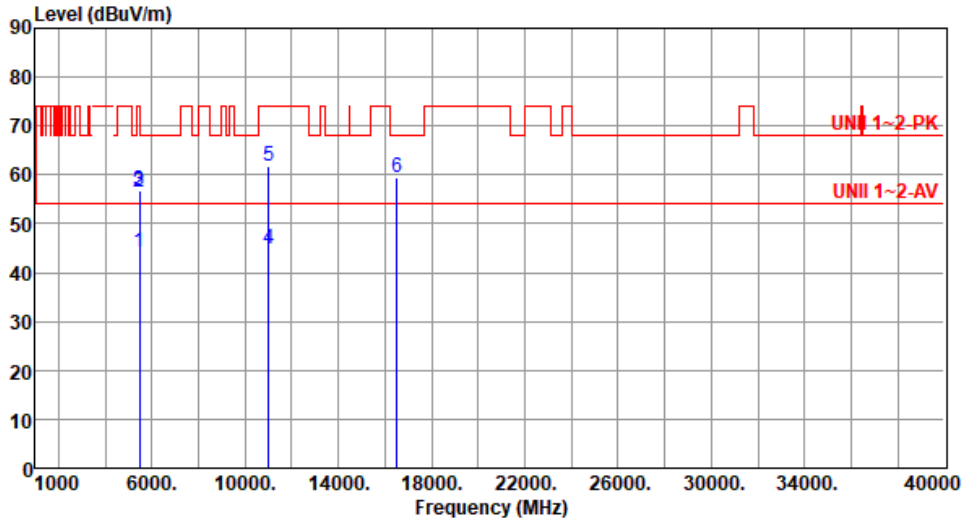


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.19	54.00	-9.81	44.48	-0.29	Average	276	4
2	5350.00	56.27	74.00	-17.73	56.56	-0.29	Peak	276	4
3	10640.00	49.30	54.00	-4.70	42.18	7.12	Average	100	144
4	10640.00	63.01	74.00	-10.99	55.89	7.12	Peak	100	144
5	15960.00	47.86	54.00	-6.14	43.83	4.03	Average	100	184
6	15960.00	59.99	74.00	-14.01	55.96	4.03	Peak	100	184

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

Modulation	11a	**Test Freq. (MHz)**	5500
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

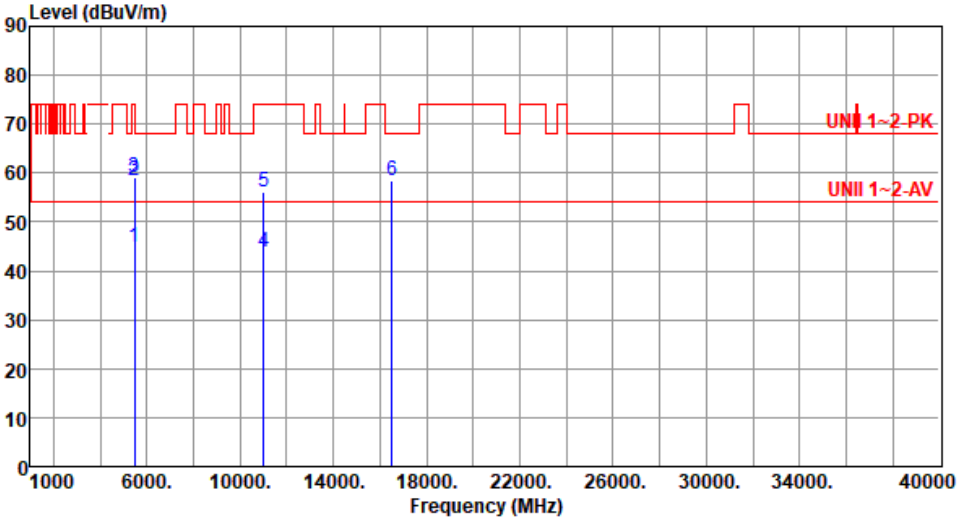


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.12	54.00	-9.88	44.15	-0.03	Average	116	357
2	5460.00	56.53	74.00	-17.47	56.56	-0.03	Peak	116	357
3	5470.00	56.83	68.20	-11.37	56.84	-0.01	Peak	116	357
4	11000.00	44.81	54.00	-9.19	37.32	7.49	Average	146	233
5	11000.00	61.76	74.00	-12.24	54.27	7.49	Peak	146	233
6	16500.00	59.56	68.20	-8.64	53.57	5.99	Peak	100	251

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

Modulation	11a	**Test Freq. (MHz)**	5500
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

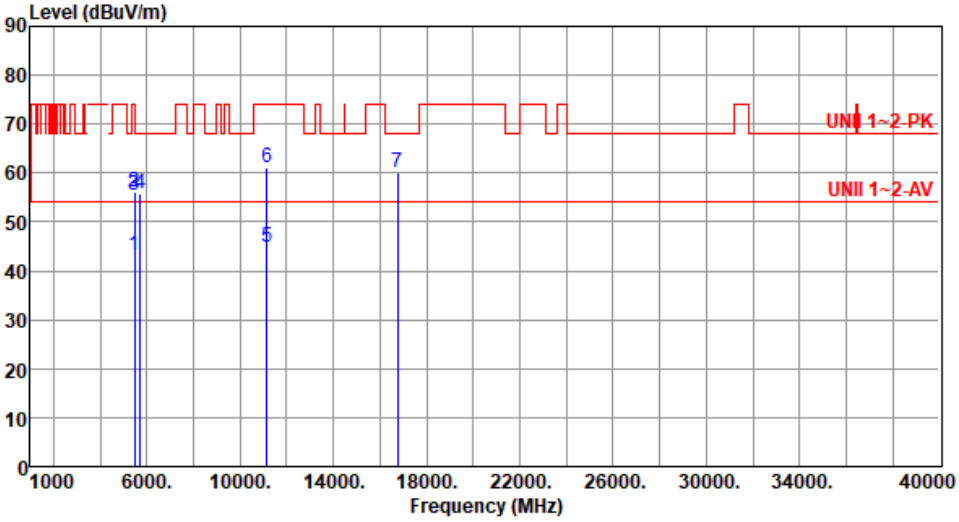


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.70	54.00	-9.30	44.73	-0.03	Average	269	12
2	5460.00	58.47	74.00	-15.53	58.50	-0.03	Peak	269	12
3	5470.00	59.13	68.20	-9.07	59.14	-0.01	Peak	269	12
4	11000.00	43.86	54.00	-10.14	36.37	7.49	Average	100	144
5	11000.00	56.17	74.00	-17.83	48.68	7.49	Peak	100	144
6	16500.00	58.46	68.20	-9.74	52.47	5.99	Peak	100	196

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

Modulation	11a	**Test Freq. (MHz)**	5580
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

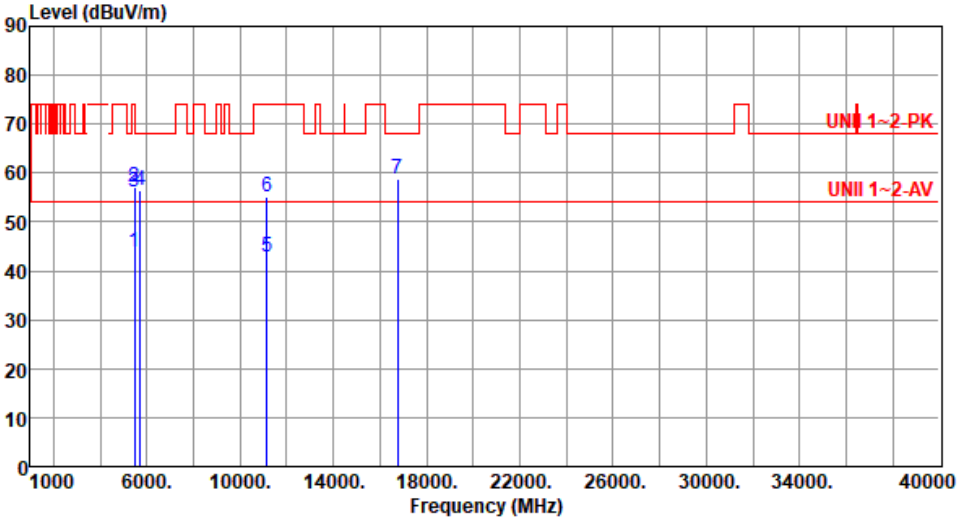


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.24	54.00	-10.76	43.27	-0.03	Average	114	1
2	5460.00	55.99	74.00	-18.01	56.02	-0.03	Peak	114	1
3	5470.00	55.49	68.20	-12.71	55.50	-0.01	Peak	114	1
4	5725.00	55.96	68.20	-12.24	55.48	0.48	Peak	114	1
5	11160.00	44.73	54.00	-9.27	37.80	6.93	Average	153	240
6	11160.00	61.03	74.00	-12.97	54.10	6.93	Peak	153	240
7	16740.00	60.01	68.20	-8.19	53.66	6.35	Peak	100	239

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

Modulation	11a	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

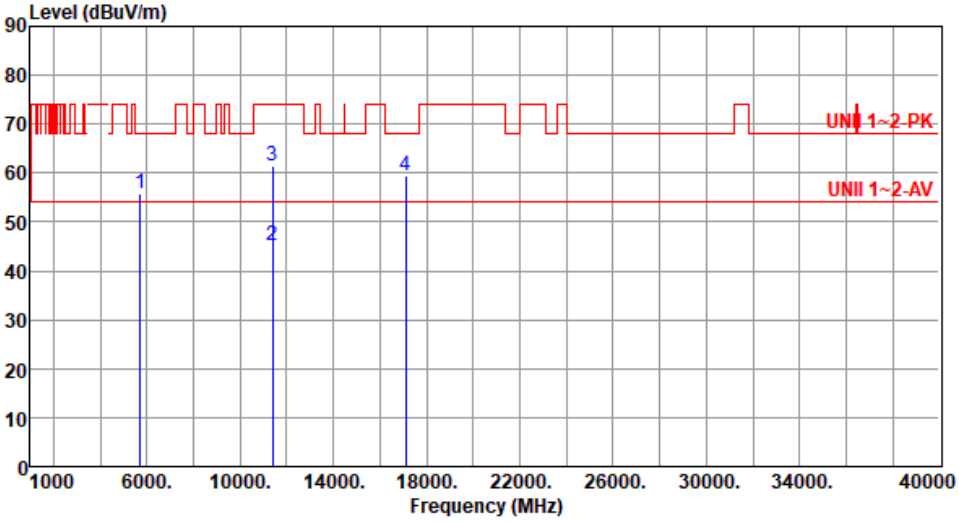


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.68	54.00	-10.32	43.71	-0.03	Average	192	6
2	5460.00	57.00	74.00	-17.00	57.03	-0.03	Peak	192	6
3	5470.00	56.22	68.20	-11.98	56.23	-0.01	Peak	192	6
4	5725.00	56.30	68.20	-11.90	55.82	0.48	Peak	192	6
5	11160.00	42.85	54.00	-11.15	35.92	6.93	Average	100	154
6	11160.00	55.18	74.00	-18.82	48.25	6.93	Peak	100	154
7	16740.00	58.91	68.20	-9.29	52.56	6.35	Peak	100	186

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

Modulation	11a	**Test Freq. (MHz)**	5700
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

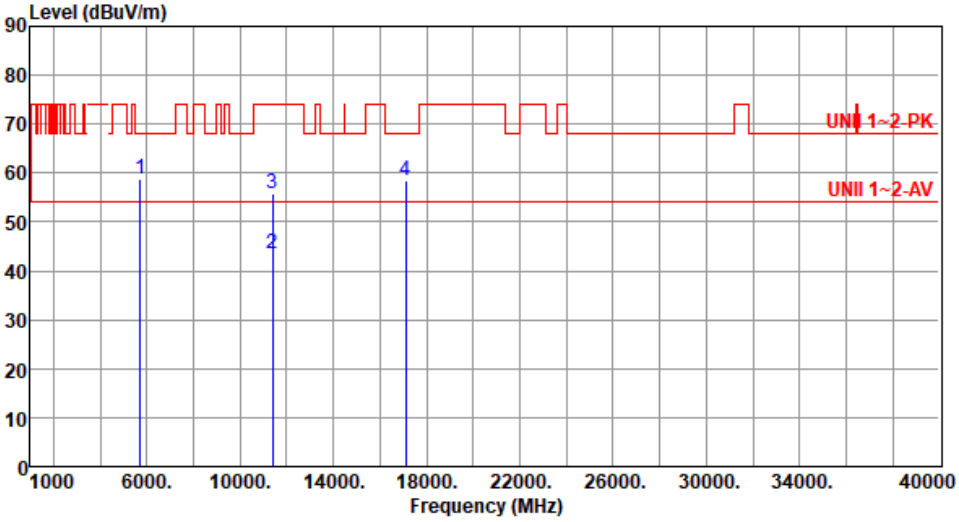


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	55.95	68.20	-12.25	55.47	0.48	Peak	114	348
2	11400.00	45.14	54.00	-8.86	38.12	7.02	Average	152	246
3	11400.00	61.33	74.00	-12.67	54.31	7.02	Peak	152	246
4	17100.00	59.32	68.20	-8.88	53.37	5.95	Peak	100	244

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

Modulation	11a	**Test Freq. (MHz)**	5700
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

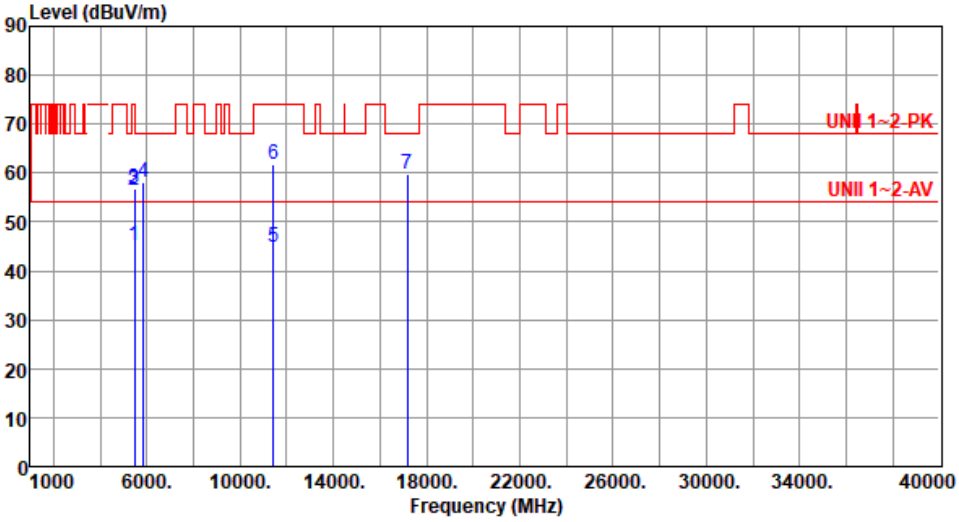


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	58.80	68.20	-9.40	58.32	0.48	Peak	249	2
2	11400.00	43.51	54.00	-10.49	36.49	7.02	Average	100	158
3	11400.00	55.77	74.00	-18.23	48.75	7.02	Peak	100	158
4	17100.00	58.51	68.20	-9.69	52.56	5.95	Peak	100	211

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

Modulation	11a	**Test Freq. (MHz)**	5720
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64

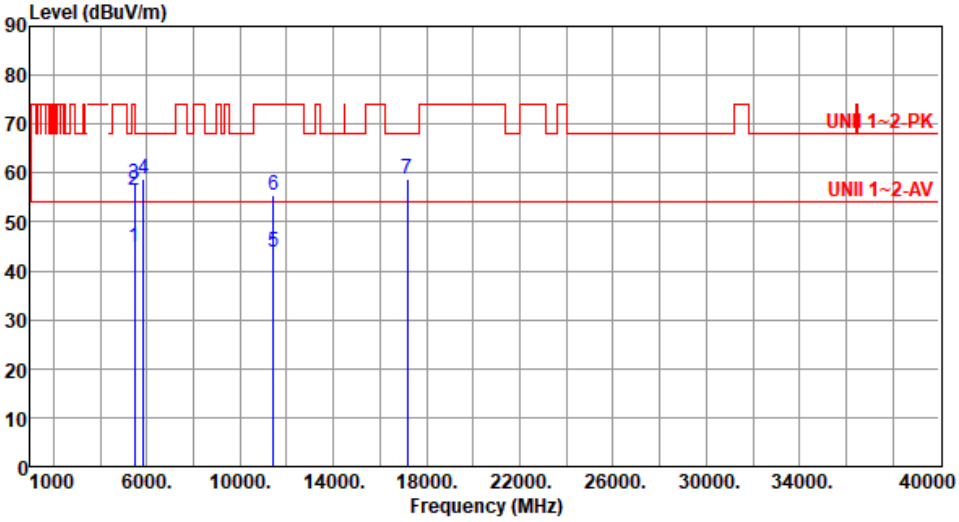


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.08	54.00	-8.92	45.11	-0.03	Average	126	328
2	5460.00	56.56	74.00	-17.44	56.59	-0.03	Peak	126	328
3	5470.00	56.87	68.20	-11.33	56.88	-0.01	Peak	126	328
4	5850.00	58.08	68.20	-10.12	57.33	0.75	Peak	126	328
5	11440.00	44.87	54.00	-9.13	37.79	7.08	Average	155	249
6	11440.00	61.68	74.00	-12.32	54.60	7.08	Peak	155	249
7	17160.00	59.91	68.20	-8.29	53.85	6.06	Peak	100	235

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

Modulation	11a	**Test Freq. (MHz)**	5720
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):64



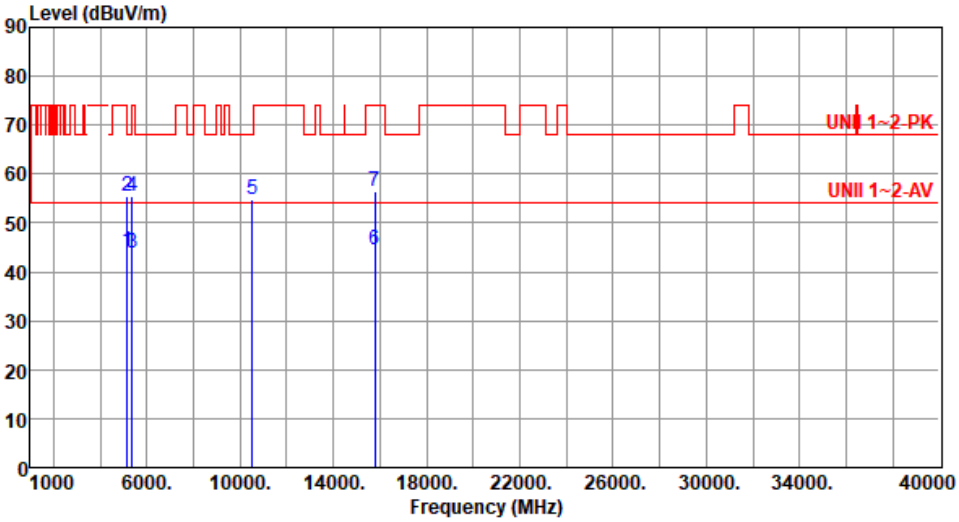
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.94	54.00	-9.06	44.97	-0.03	Average	193	25
2	5460.00	56.36	74.00	-17.64	56.39	-0.03	Peak	193	25
3	5470.00	57.87	68.20	-10.33	57.88	-0.01	Peak	193	25
4	5850.00	58.87	68.20	-9.33	58.12	0.75	Peak	193	25
5	11440.00	43.70	54.00	-10.30	36.62	7.08	Average	100	139
6	11440.00	55.38	74.00	-18.62	48.30	7.08	Peak	100	139
7	17160.00	58.92	68.20	-9.28	52.86	6.06	Peak	100	182

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

Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):24 Humidity(%):64

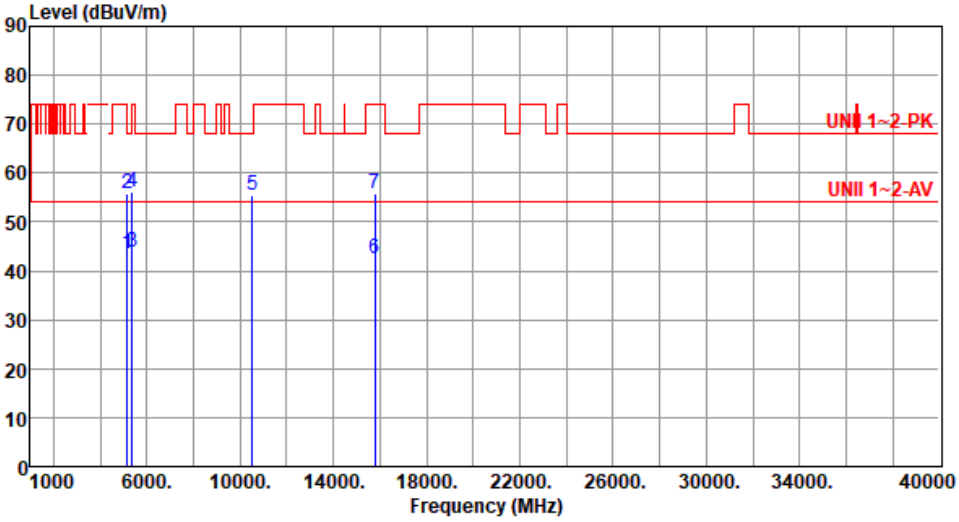


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.11	54.00	-9.89	43.97	0.14	Average	213	82
2	5150.00	55.37	74.00	-18.63	55.23	0.14	Peak	213	82
3	5350.00	43.96	54.00	-10.04	44.25	-0.29	Average	213	82
4	5350.00	55.32	74.00	-18.68	55.61	-0.29	Peak	213	82
5	10520.00	54.86	68.20	-13.34	47.67	7.19	Peak	100	177
6	15780.00	44.55	54.00	-9.45	40.68	3.87	Average	100	112
7	15780.00	56.51	74.00	-17.49	52.64	3.87	Peak	100	112

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

Modulation	ax HE20	**Test Freq. (MHz)**	5260
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):64

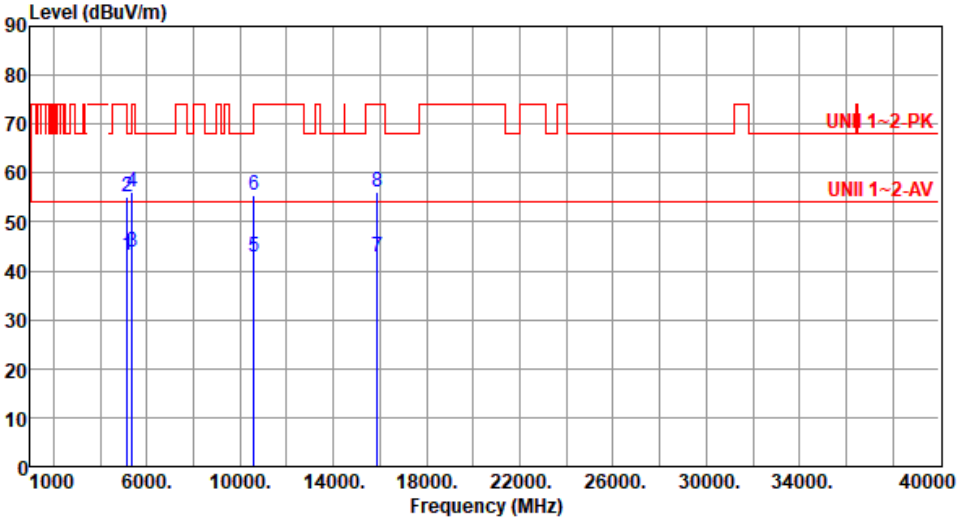


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.58	54.00	-10.42	43.44	0.14	Average	230	340
2	5150.00	55.95	74.00	-18.05	55.81	0.14	Peak	230	340
3	5350.00	43.96	54.00	-10.04	44.25	-0.29	Average	230	340
4	5350.00	56.16	74.00	-17.84	56.45	-0.29	Peak	230	340
5	10520.00	55.37	68.20	-12.83	48.18	7.19	Peak	100	144
6	15780.00	42.59	54.00	-11.41	38.72	3.87	Average	100	86
7	15780.00	55.70	74.00	-18.30	51.83	3.87	Peak	100	86

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

Modulation	ax HE20	**Test Freq. (MHz)**	5300
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):24 Humidity(%):64

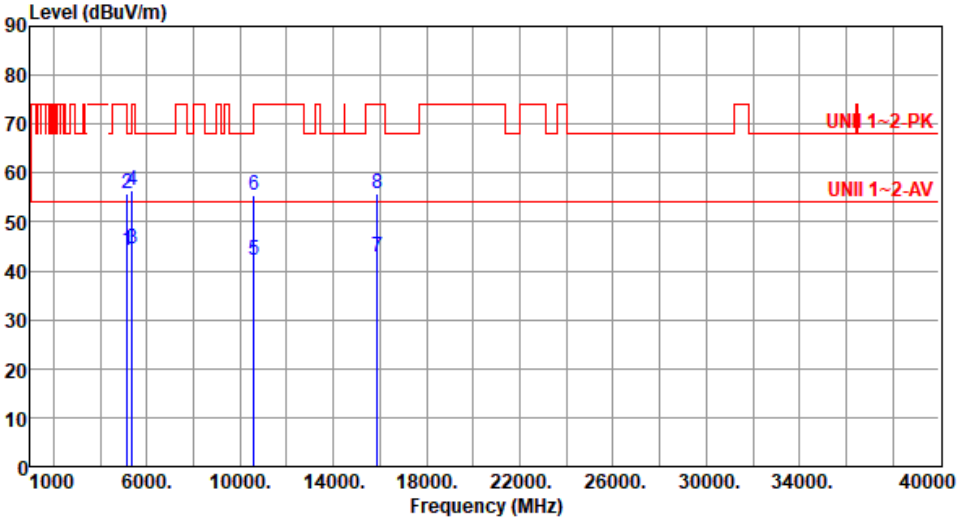


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.28	54.00	-10.72	43.14	0.14	Average	219	77
2	5150.00	55.25	74.00	-18.75	55.11	0.14	Peak	219	77
3	5350.00	43.94	54.00	-10.06	44.23	-0.29	Average	219	77
4	5350.00	56.04	74.00	-17.96	56.33	-0.29	Peak	219	77
5	10600.00	42.89	54.00	-11.11	35.72	7.17	Average	100	171
6	10600.00	55.51	74.00	-18.49	48.34	7.17	Peak	100	171
7	15900.00	42.85	54.00	-11.15	38.80	4.05	Average	100	106
8	15900.00	56.07	74.00	-17.93	52.02	4.05	Peak	100	106

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

Modulation	ax HE20	**Test Freq. (MHz)**	5300
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):64

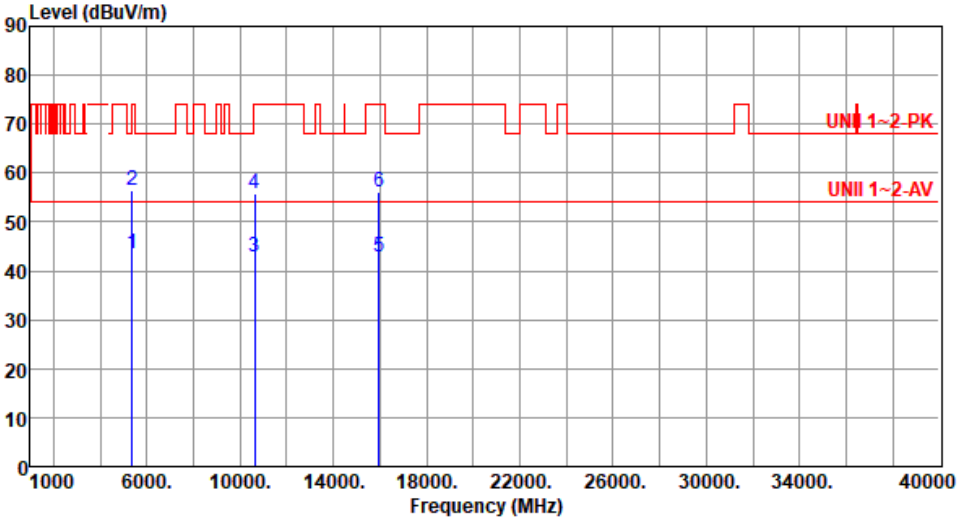


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.13	54.00	-9.87	43.99	0.14	Average	226	340
2	5150.00	55.72	74.00	-18.28	55.58	0.14	Peak	226	340
3	5350.00	44.52	54.00	-9.48	44.81	-0.29	Average	226	340
4	5350.00	56.43	74.00	-17.57	56.72	-0.29	Peak	226	340
5	10600.00	42.29	54.00	-11.71	35.12	7.17	Average	100	142
6	10600.00	55.57	74.00	-18.43	48.40	7.17	Peak	100	142
7	15900.00	42.73	54.00	-11.27	38.68	4.05	Average	100	68
8	15900.00	55.63	74.00	-18.37	51.58	4.05	Peak	100	68

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

Modulation	ax HE20	**Test Freq. (MHz)**	5320
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

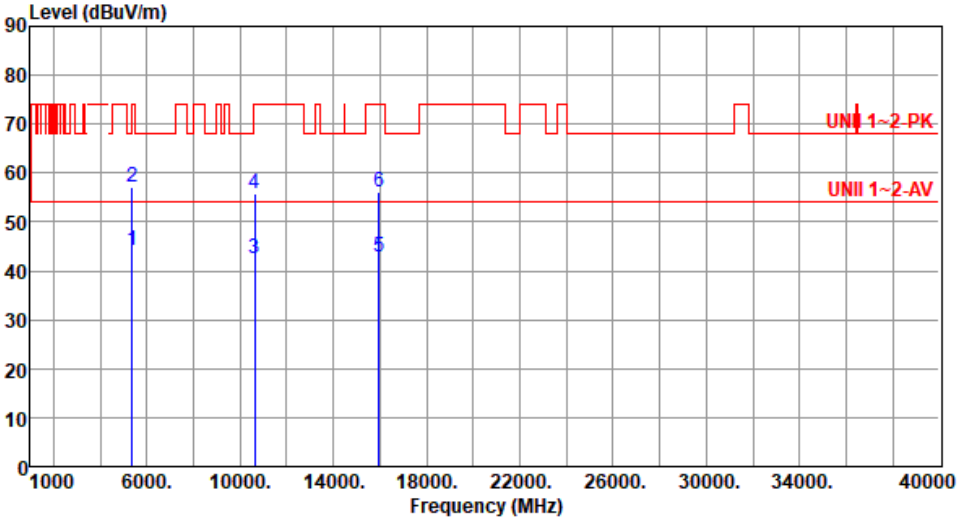


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	43.40	54.00	-10.60	43.69	-0.29	Average	263	75
2	5350.00	56.35	74.00	-17.65	56.64	-0.29	Peak	263	75
3	10640.00	43.00	54.00	-11.00	35.88	7.12	Average	100	168
4	10640.00	55.67	74.00	-18.33	48.55	7.12	Peak	100	168
5	15960.00	42.79	54.00	-11.21	38.76	4.03	Average	100	112
6	15960.00	56.16	74.00	-17.84	52.13	4.03	Peak	100	112

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

Modulation	ax HE20	**Test Freq. (MHz)**	5320
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

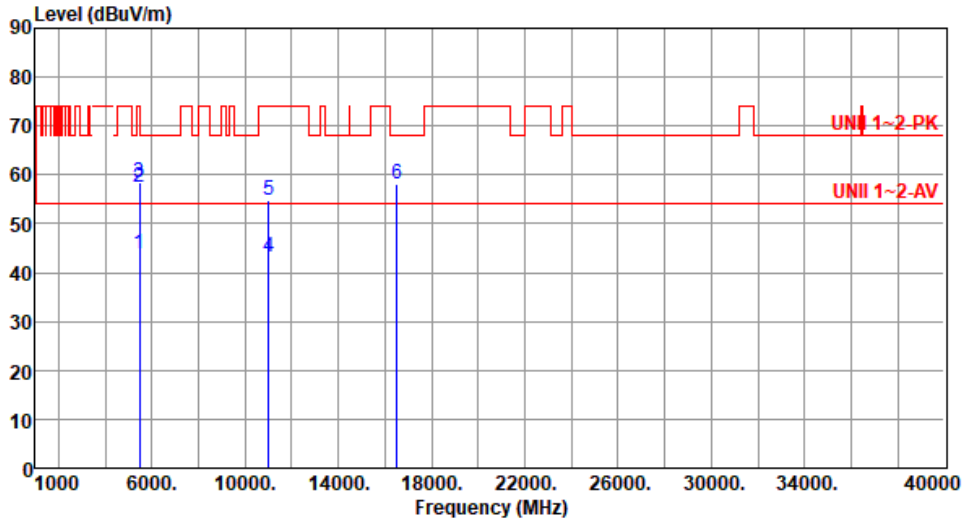


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.14	54.00	-9.86	44.43	-0.29	Average	231	336
2	5350.00	57.18	74.00	-16.82	57.47	-0.29	Peak	231	336
3	10640.00	42.60	54.00	-11.40	35.48	7.12	Average	100	151
4	10640.00	55.71	74.00	-18.29	48.59	7.12	Peak	100	151
5	15960.00	42.94	54.00	-11.06	38.91	4.03	Average	100	65
6	15960.00	55.99	74.00	-18.01	51.96	4.03	Peak	100	65

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

Modulation	ax HE20	**Test Freq. (MHz)**	5500
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

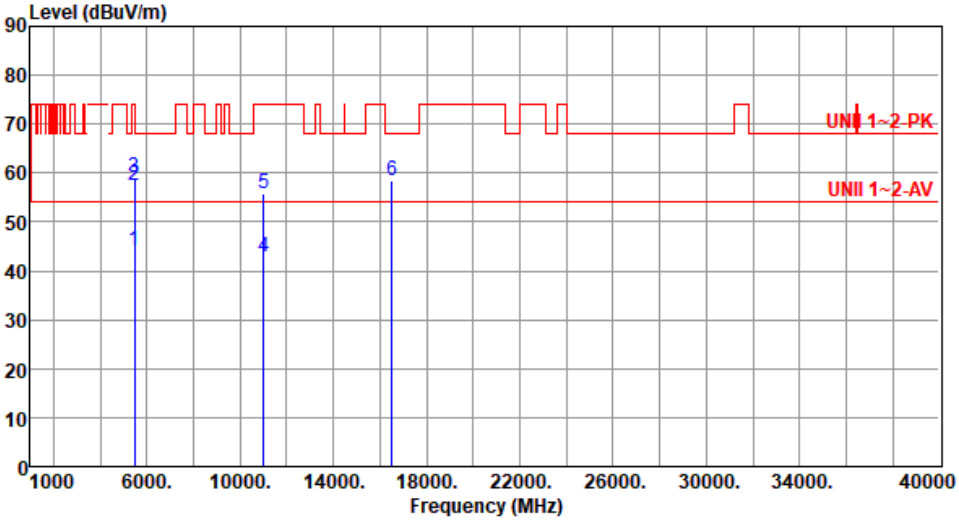


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.85	54.00	-10.15	43.88	-0.03	Average	227	282
2	5460.00	57.53	74.00	-16.47	57.56	-0.03	Peak	227	282
3	5470.00	58.46	68.20	-9.74	58.47	-0.01	Peak	227	282
4	11000.00	43.01	54.00	-10.99	35.52	7.49	Average	100	133
5	11000.00	54.82	74.00	-19.18	47.33	7.49	Peak	100	133
6	16500.00	58.24	68.20	-9.96	52.25	5.99	Peak	100	168

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

Modulation	ax HE20	**Test Freq. (MHz)**	5500
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

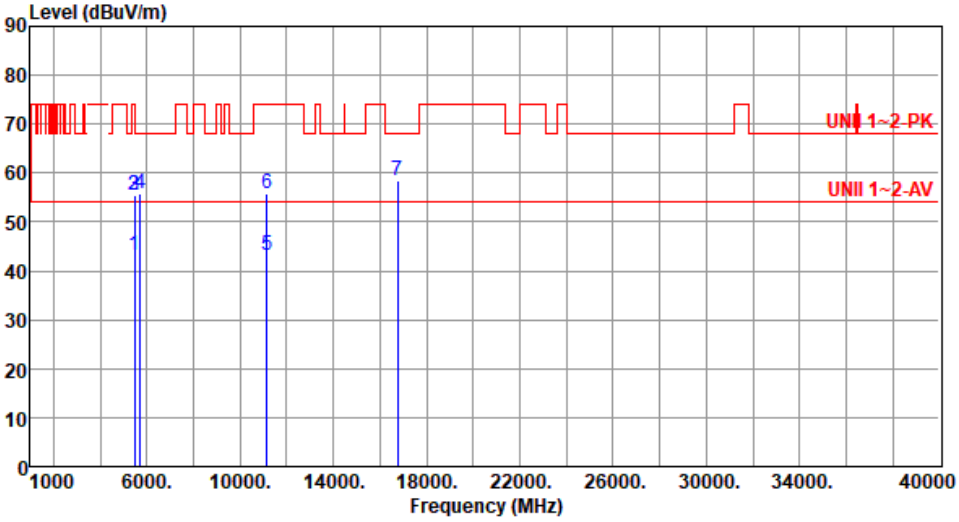


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.25	54.00	-9.75	44.28	-0.03	Average	207	345
2	5460.00	57.30	74.00	-16.70	57.33	-0.03	Peak	207	345
3	5470.00	59.27	68.20	-8.93	59.28	-0.01	Peak	207	345
4	11000.00	42.87	54.00	-11.13	35.38	7.49	Average	100	192
5	11000.00	55.77	74.00	-18.23	48.28	7.49	Peak	100	192
6	16500.00	58.36	68.20	-9.84	52.37	5.99	Peak	100	227

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

Modulation	ax HE20	**Test Freq. (MHz)**	5580
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

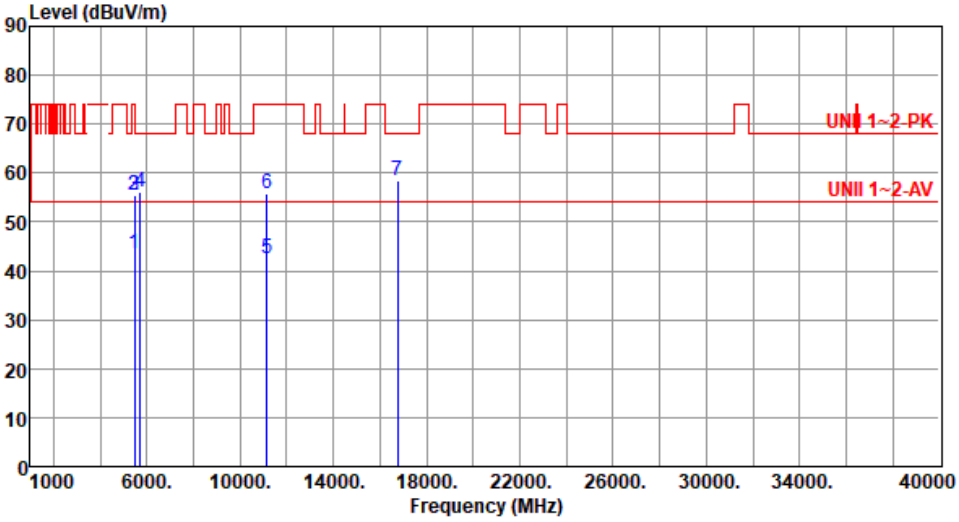


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.21	54.00	-10.79	43.24	-0.03	Average	180	276
2	5460.00	55.37	74.00	-18.63	55.40	-0.03	Peak	180	276
3	5470.00	55.53	68.20	-12.67	55.54	-0.01	Peak	180	276
4	5725.00	55.89	68.20	-12.31	55.41	0.48	Peak	180	276
5	11160.00	43.21	54.00	-10.79	36.28	6.93	Average	100	220
6	11160.00	55.64	74.00	-18.36	48.71	6.93	Peak	100	220
7	16740.00	58.38	68.20	-9.82	52.03	6.35	Peak	100	147

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

Modulation	ax HE20	**Test Freq. (MHz)**	5580
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

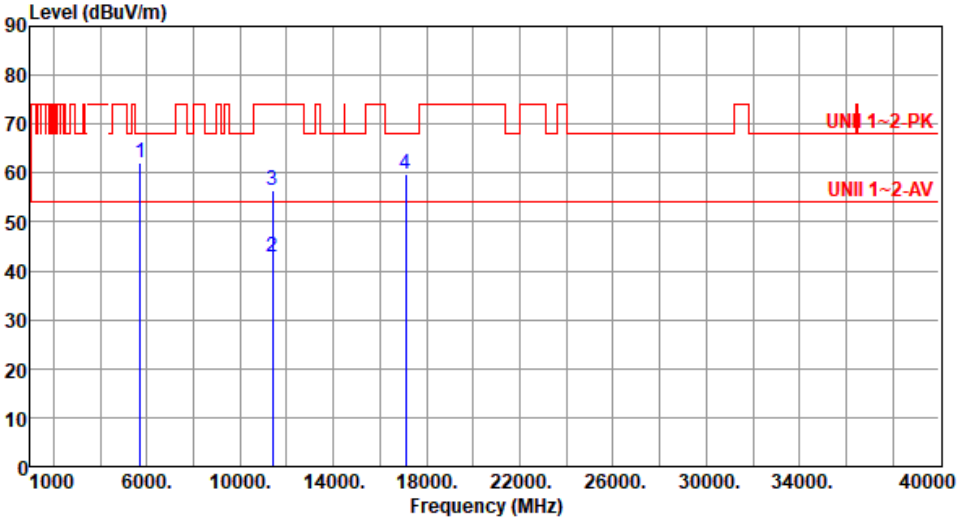


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.52	54.00	-10.48	43.55	-0.03	Average	203	348
2	5460.00	55.32	74.00	-18.68	55.35	-0.03	Peak	203	348
3	5470.00	55.52	68.20	-12.68	55.53	-0.01	Peak	203	348
4	5725.00	56.22	68.20	-11.98	55.74	0.48	Peak	203	348
5	11160.00	42.44	54.00	-11.56	35.51	6.93	Average	100	241
6	11160.00	55.80	74.00	-18.20	48.87	6.93	Peak	100	241
7	16740.00	58.59	68.20	-9.61	52.24	6.35	Peak	100	117

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

Modulation	ax HE20	**Test Freq. (MHz)**	5700
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

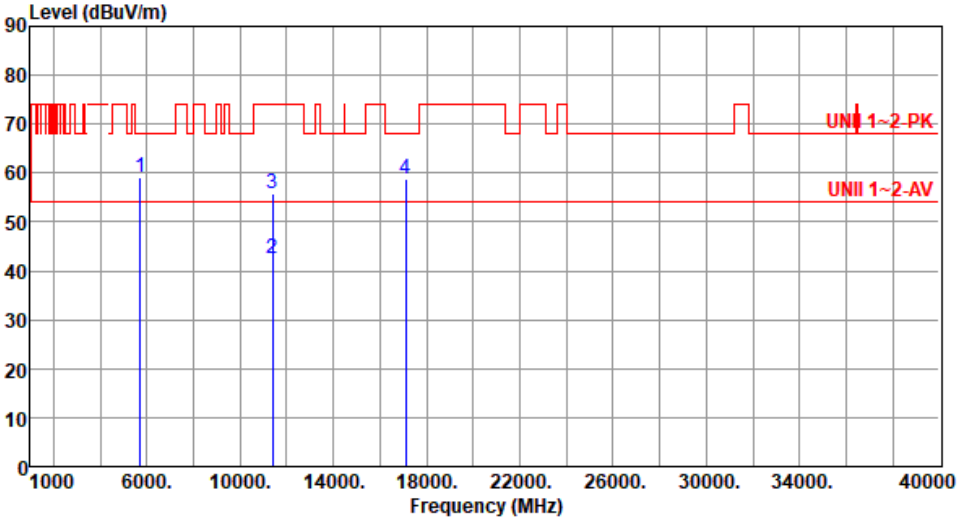


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	62.05	68.20	-6.15	61.57	0.48	Peak	215	325
2	11400.00	42.80	54.00	-11.20	35.78	7.02	Average	100	152
3	11400.00	56.40	74.00	-17.60	49.38	7.02	Peak	100	152
4	17100.00	59.77	68.20	-8.43	53.82	5.95	Peak	100	106

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

Modulation	ax HE20	**Test Freq. (MHz)**	5700
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

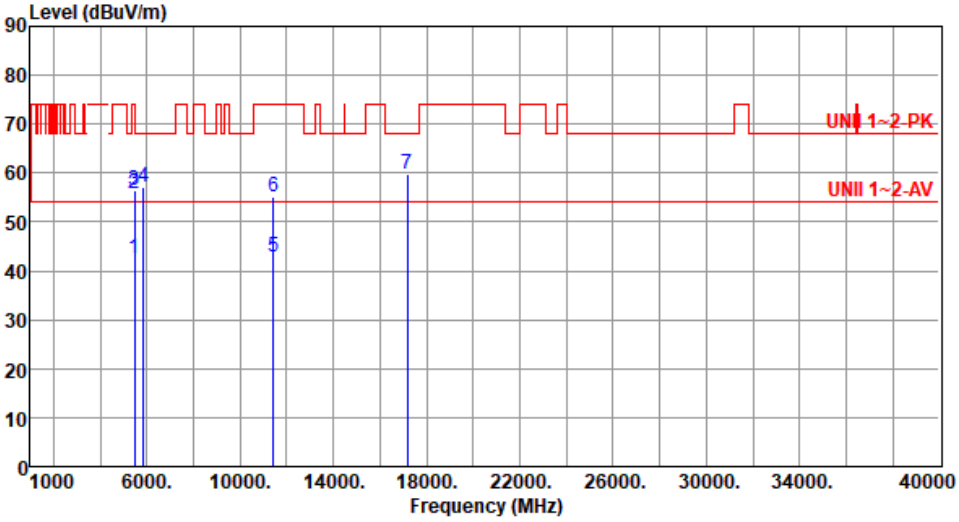


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	59.08	68.20	-9.12	58.60	0.48	Peak	204	353
2	11400.00	42.60	54.00	-11.40	35.58	7.02	Average	100	188
3	11400.00	55.70	74.00	-18.30	48.68	7.02	Peak	100	188
4	17100.00	58.94	68.20	-9.26	52.99	5.95	Peak	100	207

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

Modulation	ax HE20	**Test Freq. (MHz)**	5720
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

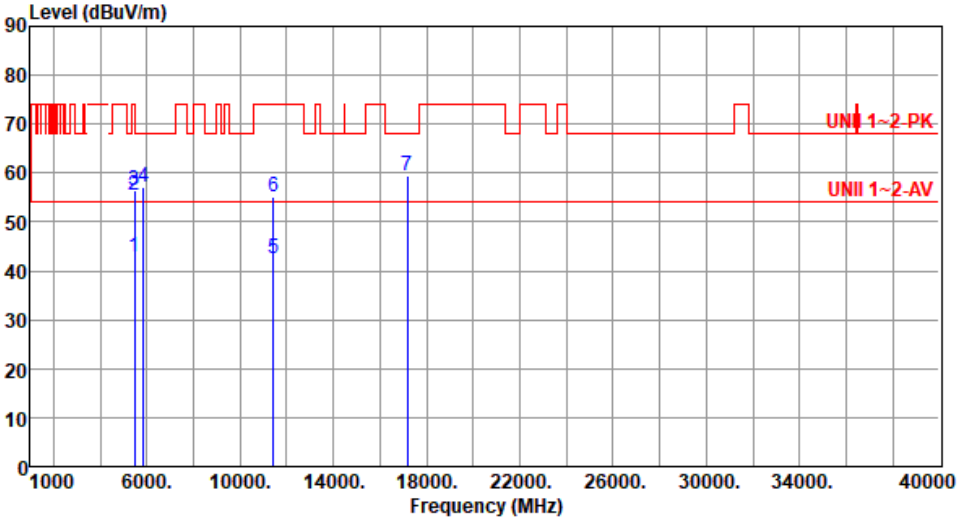


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	42.51	54.00	-11.49	42.54	-0.03	Average	200	325
2	5460.00	55.75	74.00	-18.25	55.78	-0.03	Peak	200	325
3	5470.00	56.53	68.20	-11.67	56.54	-0.01	Peak	200	325
4	5850.00	56.98	68.20	-11.22	56.23	0.75	Peak	200	325
5	11440.00	42.75	54.00	-11.25	35.67	7.08	Average	100	57
6	11440.00	55.22	74.00	-18.78	48.14	7.08	Peak	100	57
7	17160.00	59.92	68.20	-8.28	53.86	6.06	Peak	100	125

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

Modulation	ax HE20	**Test Freq. (MHz)**	5720
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66



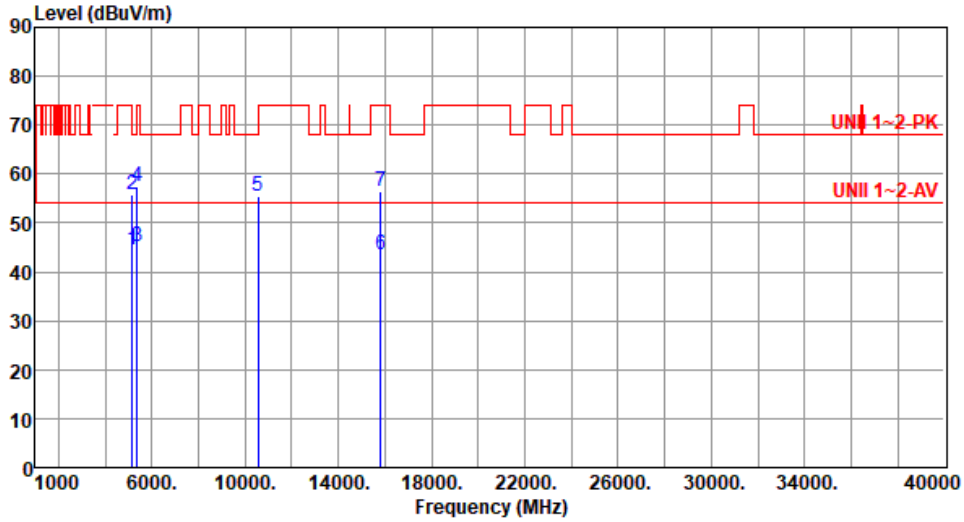
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	42.79	54.00	-11.21	42.82	-0.03	Average	202	335
2	5460.00	55.44	74.00	-18.56	55.47	-0.03	Peak	202	335
3	5470.00	56.41	68.20	-11.79	56.42	-0.01	Peak	202	335
4	5850.00	57.15	68.20	-11.05	56.40	0.75	Peak	202	335
5	11440.00	42.45	54.00	-11.55	35.37	7.08	Average	100	158
6	11440.00	55.07	74.00	-18.93	47.99	7.08	Peak	100	158
7	17160.00	59.53	68.20	-8.67	53.47	6.06	Peak	100	235

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

Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

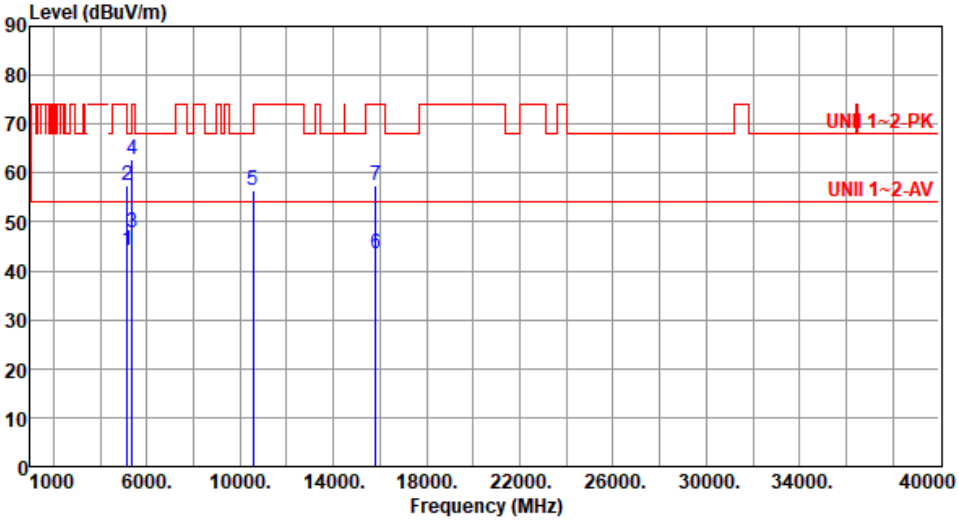


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.40	54.00	-9.60	44.26	0.14	Average	208	359
2	5150.00	55.95	74.00	-18.05	55.81	0.14	Peak	208	359
3	5350.00	45.05	54.00	-8.95	45.34	-0.29	Average	208	359
4	5350.00	57.35	74.00	-16.65	57.64	-0.29	Peak	208	359
5	10540.00	55.51	68.20	-12.69	48.33	7.18	Peak	100	211
6	15810.00	43.42	54.00	-10.58	39.52	3.90	Average	100	196
7	15810.00	56.51	74.00	-17.49	52.61	3.90	Peak	100	196

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

Modulation	ax HE40	**Test Freq. (MHz)**	5270
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

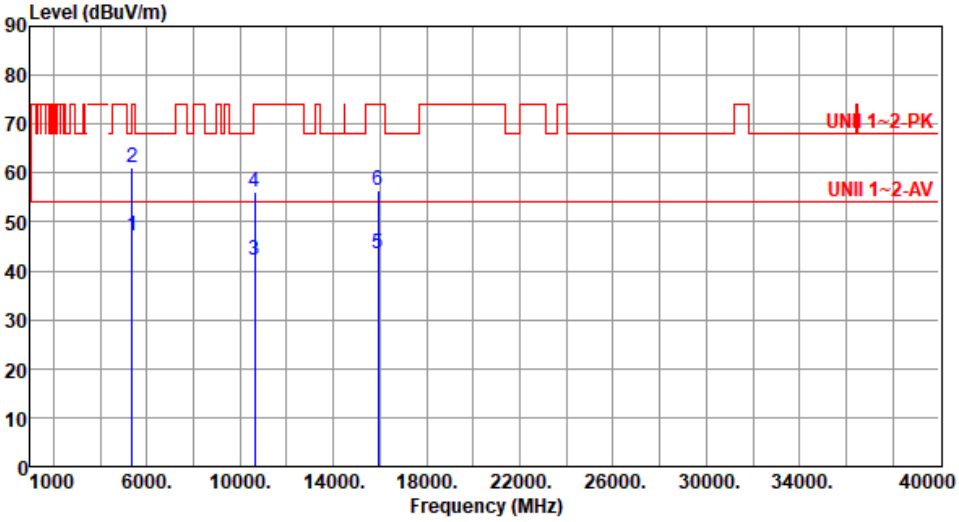


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.28	54.00	-9.72	44.14	0.14	Average	201	342
2	5150.00	57.55	74.00	-16.45	57.41	0.14	Peak	201	342
3	5350.00	47.92	54.00	-6.08	48.21	-0.29	Average	201	342
4	5350.00	62.71	74.00	-11.29	63.00	-0.29	Peak	201	342
5	10540.00	56.50	68.20	-11.70	49.32	7.18	Peak	100	154
6	15810.00	43.59	54.00	-10.41	39.69	3.90	Average	100	221
7	15810.00	57.39	74.00	-16.61	53.49	3.90	Peak	100	221

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

Modulation	ax HE40	**Test Freq. (MHz)**	5310
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

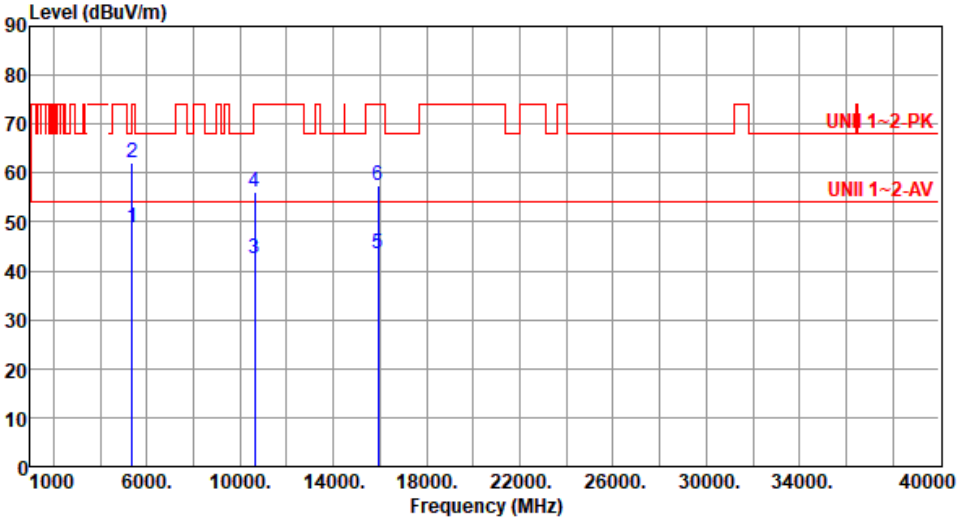


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	47.00	54.00	-7.00	47.29	-0.29	Average	187	16
2	5350.00	61.26	74.00	-12.74	61.55	-0.29	Peak	187	16
3	10620.00	42.26	54.00	-11.74	35.11	7.15	Average	100	209
4	10620.00	56.12	74.00	-17.88	48.97	7.15	Peak	100	209
5	15930.00	43.48	54.00	-10.52	39.43	4.05	Average	100	179
6	15930.00	56.52	74.00	-17.48	52.47	4.05	Peak	100	179

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

Modulation	ax HE40	**Test Freq. (MHz)**	5310
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

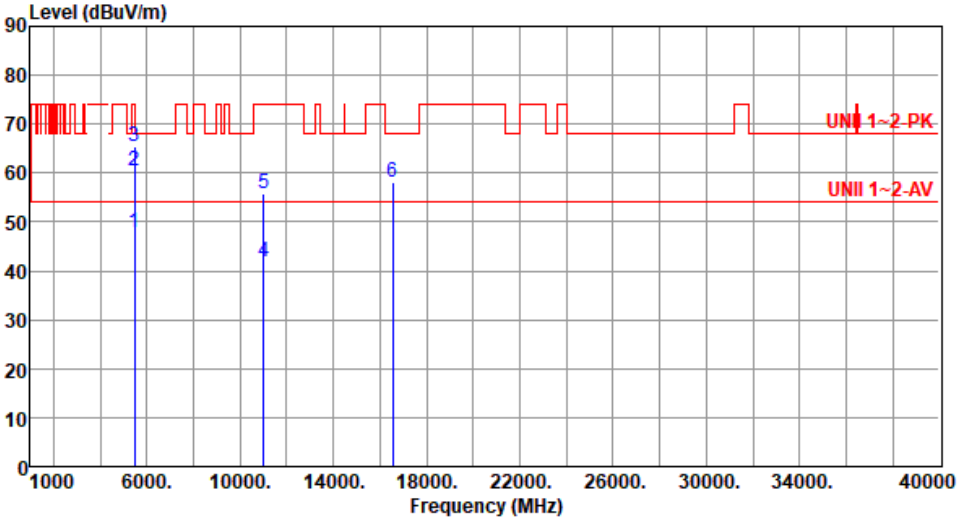


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	48.82	54.00	-5.18	49.11	-0.29	Average	243	342
2	5350.00	62.12	74.00	-11.88	62.41	-0.29	Peak	243	342
3	10620.00	42.63	54.00	-11.37	35.48	7.15	Average	100	124
4	10620.00	56.22	74.00	-17.78	49.07	7.15	Peak	100	124
5	15930.00	43.60	54.00	-10.40	39.55	4.05	Average	100	253
6	15930.00	57.34	74.00	-16.66	53.29	4.05	Peak	100	253

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

Modulation	ax HE40	**Test Freq. (MHz)**	5510
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

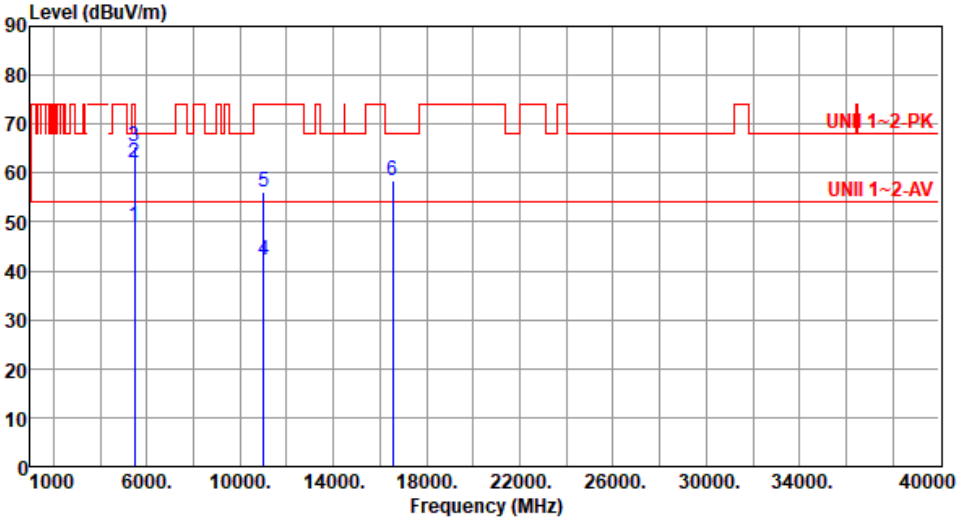


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	47.70	54.00	-6.30	47.73	-0.03	Average	233	326
2	5460.00	60.45	74.00	-13.55	60.48	-0.03	Peak	233	326
3	5470.00	65.37	68.20	-2.83	65.38	-0.01	Peak	233	326
4	11020.00	41.89	54.00	-12.11	34.45	7.44	Average	100	76
5	11020.00	55.75	74.00	-18.25	48.31	7.44	Peak	100	76
6	16530.00	58.27	68.20	-9.93	52.29	5.98	Peak	100	182

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

Modulation	ax HE40	**Test Freq. (MHz)**	5510
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

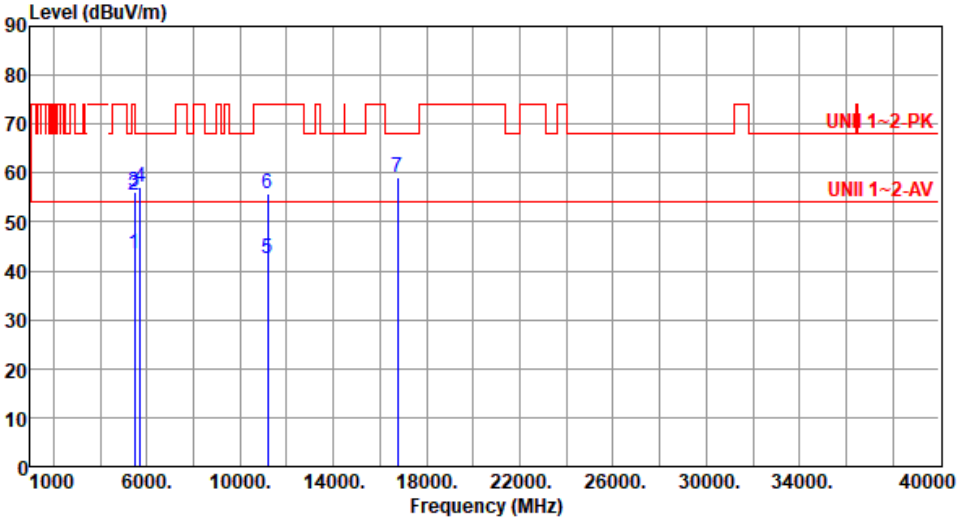


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	49.13	54.00	-4.87	49.16	-0.03	Average	217	341
2	5460.00	62.25	74.00	-11.75	62.28	-0.03	Peak	217	341
3	5470.00	65.49	68.20	-2.71	65.50	-0.01	Peak	217	341
4	11020.00	42.06	54.00	-11.94	34.62	7.44	Average	100	101
5	11020.00	56.01	74.00	-17.99	48.57	7.44	Peak	100	101
6	16530.00	58.44	68.20	-9.76	52.46	5.98	Peak	100	155

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

Modulation	ax HE40	**Test Freq. (MHz)**	5590
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

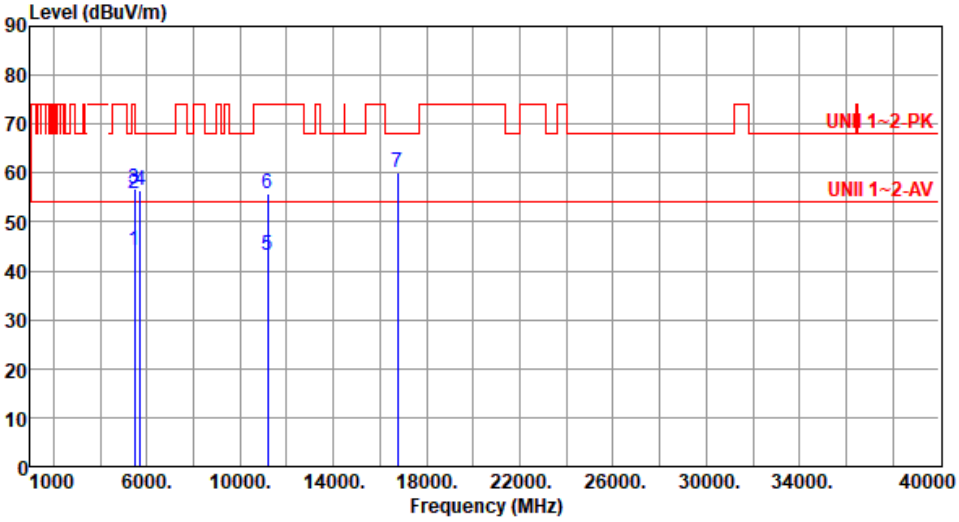


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.39	54.00	-10.61	43.42	-0.03	Average	173	324
2	5460.00	55.61	74.00	-18.39	55.64	-0.03	Peak	173	324
3	5470.00	56.20	68.20	-12.00	56.21	-0.01	Peak	173	324
4	5725.00	57.21	68.20	-10.99	56.73	0.48	Peak	173	324
5	11180.00	42.56	54.00	-11.44	35.74	6.82	Average	100	136
6	11180.00	55.83	74.00	-18.17	49.01	6.82	Peak	100	136
7	16770.00	59.17	68.20	-9.03	52.71	6.46	Peak	100	188

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

Modulation	ax HE40	**Test Freq. (MHz)**	5590
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

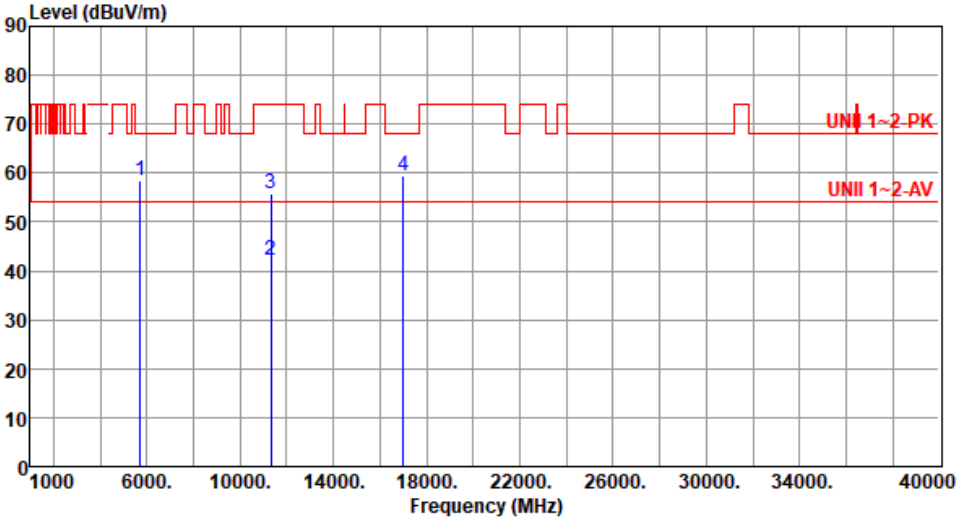


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.20	54.00	-9.80	44.23	-0.03	Average	260	347
2	5460.00	55.68	74.00	-18.32	55.71	-0.03	Peak	260	347
3	5470.00	56.81	68.20	-11.39	56.82	-0.01	Peak	260	347
4	5725.00	56.59	68.20	-11.61	56.11	0.48	Peak	260	347
5	11180.00	43.20	54.00	-10.80	36.38	6.82	Average	100	128
6	11180.00	55.89	74.00	-18.11	49.07	6.82	Peak	100	128
7	16770.00	59.95	68.20	-8.25	53.49	6.46	Peak	100	68

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

Modulation	ax HE40	**Test Freq. (MHz)**	5670
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

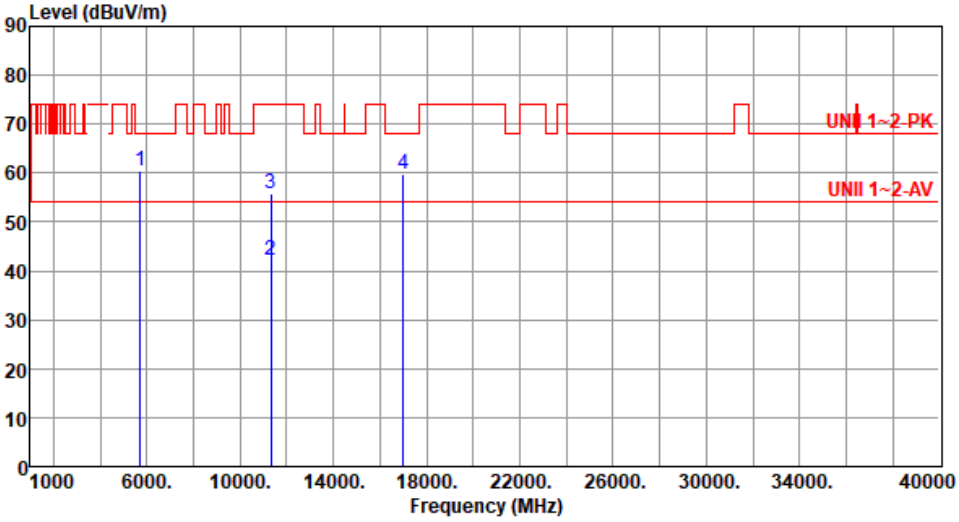


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	58.43	68.20	-9.77	57.95	0.48	Peak	215	20
2	11340.00	42.03	54.00	-11.97	35.17	6.86	Average	100	203
3	11340.00	55.69	74.00	-18.31	48.83	6.86	Peak	100	203
4	17010.00	59.59	68.20	-8.61	53.34	6.25	Peak	100	146

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

Modulation	ax HE40	**Test Freq. (MHz)**	5670
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

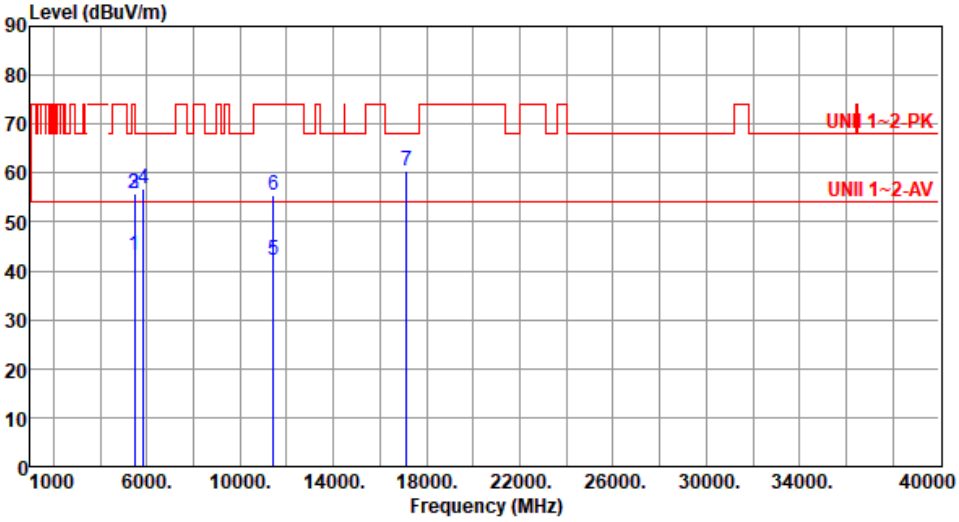


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	60.31	68.20	-7.89	59.83	0.48	Peak	232	339
2	11340.00	42.13	54.00	-11.87	35.27	6.86	Average	100	114
3	11340.00	55.83	74.00	-18.17	48.97	6.86	Peak	100	114
4	17010.00	59.84	68.20	-8.36	53.59	6.25	Peak	100	226

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

Modulation	ax HE40	**Test Freq. (MHz)**	5710
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

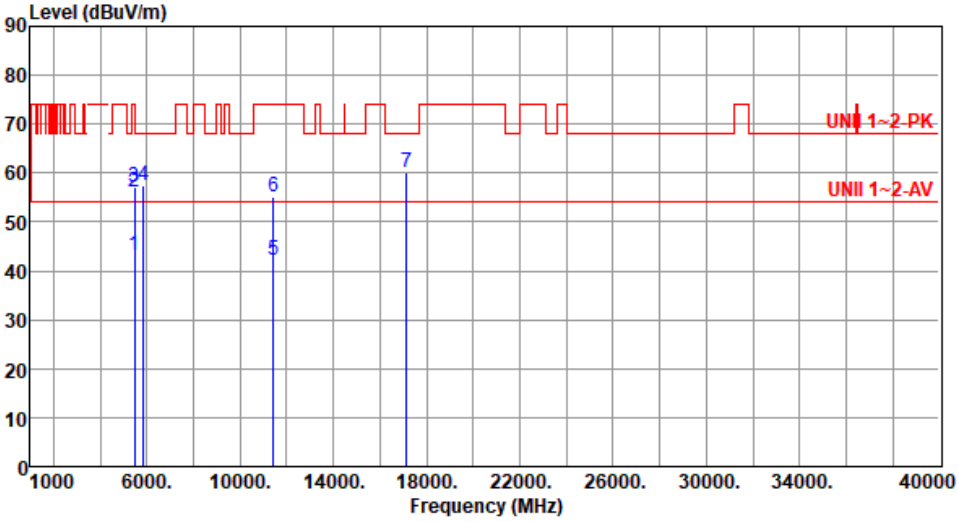


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.08	54.00	-10.92	43.11	-0.03	Average	230	332
2	5460.00	55.70	74.00	-18.30	55.73	-0.03	Peak	230	332
3	5470.00	55.91	68.20	-12.29	55.92	-0.01	Peak	230	332
4	5850.00	56.89	68.20	-11.31	56.14	0.75	Peak	230	332
5	11420.00	42.22	54.00	-11.78	35.16	7.06	Average	100	233
6	11420.00	55.48	74.00	-18.52	48.42	7.06	Peak	100	233
7	17130.00	60.48	68.20	-7.72	54.48	6.00	Peak	100	143

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

Modulation	ax HE40	**Test Freq. (MHz)**	5710
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66



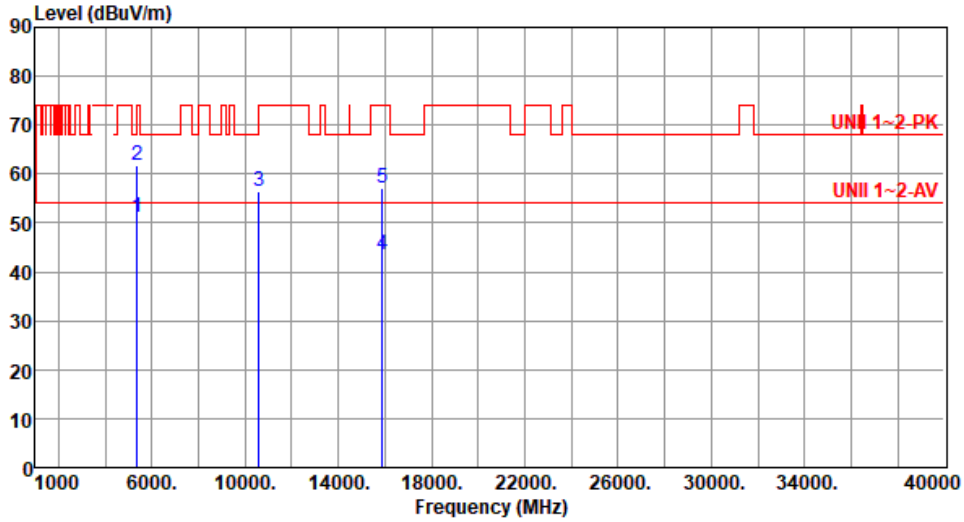
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.13	54.00	-10.87	43.16	-0.03	Average	263	340
2	5460.00	56.05	74.00	-17.95	56.08	-0.03	Peak	263	340
3	5470.00	57.14	68.20	-11.06	57.15	-0.01	Peak	263	340
4	5850.00	57.43	68.20	-10.77	56.68	0.75	Peak	263	340
5	11420.00	42.31	54.00	-11.69	35.25	7.06	Average	100	142
6	11420.00	55.18	74.00	-18.82	48.12	7.06	Peak	100	142
7	17130.00	60.18	68.20	-8.02	54.18	6.00	Peak	100	153

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

Unwanted Emissions (Above 1GHz) for ax HE80

Modulation	ax HE80	Test Freq. (MHz)	5290
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

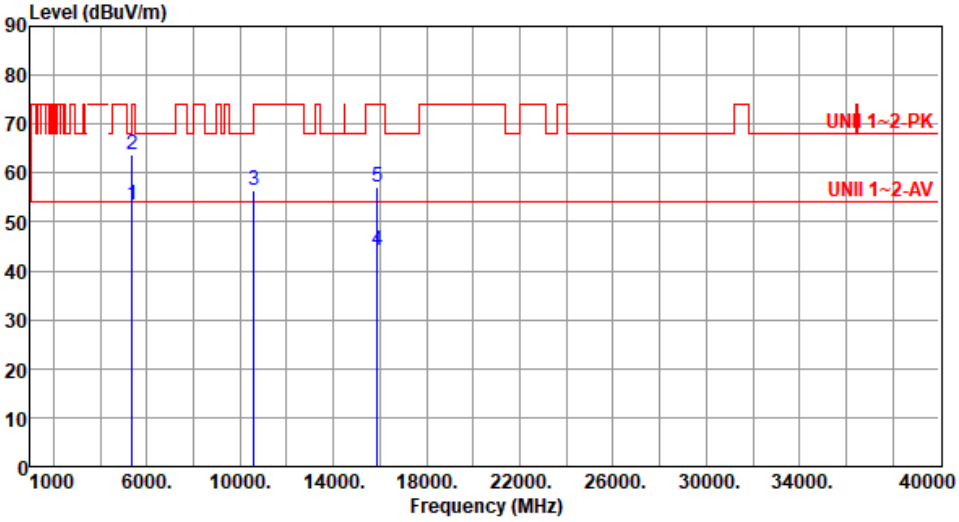


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	51.01	54.00	-2.99	51.30	-0.29	Average	182	3
2	5350.00	61.87	74.00	-12.13	62.16	-0.29	Peak	182	3
3	10580.00	56.48	68.20	-11.72	49.30	7.18	Peak	100	198
4	15870.00	43.52	54.00	-10.48	39.51	4.01	Average	100	261
5	15870.00	57.12	74.00	-16.88	53.11	4.01	Peak	100	261

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

Modulation	ax HE80	**Test Freq. (MHz)**	5290
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

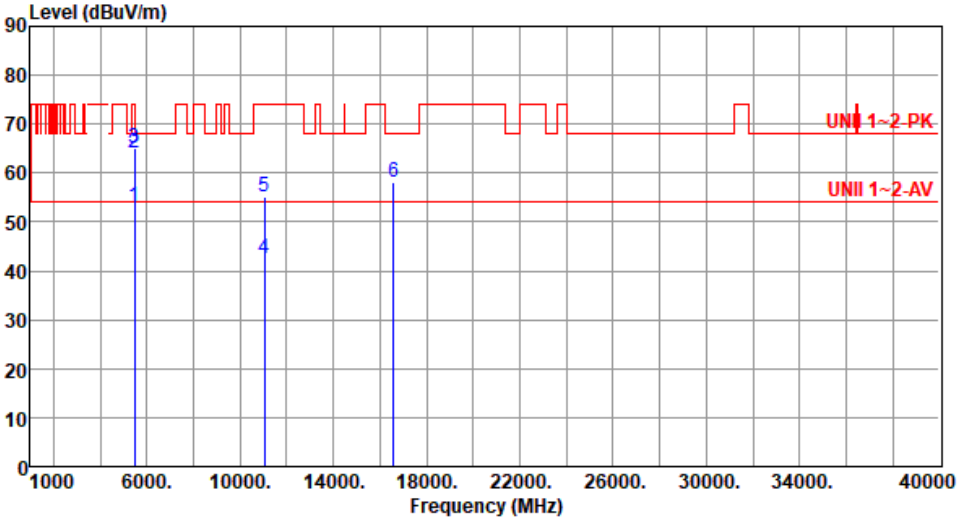


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	53.60	54.00	-0.40	53.89	-0.29	Average	217	345
2	5350.00	63.81	74.00	-10.19	64.10	-0.29	Peak	217	345
3	10580.00	56.35	68.20	-11.85	49.17	7.18	Peak	100	113
4	15870.00	44.03	54.00	-9.97	40.02	4.01	Average	100	178
5	15870.00	57.25	74.00	-16.75	53.24	4.01	Peak	100	178

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

Modulation	ax HE80	**Test Freq. (MHz)**	5530
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

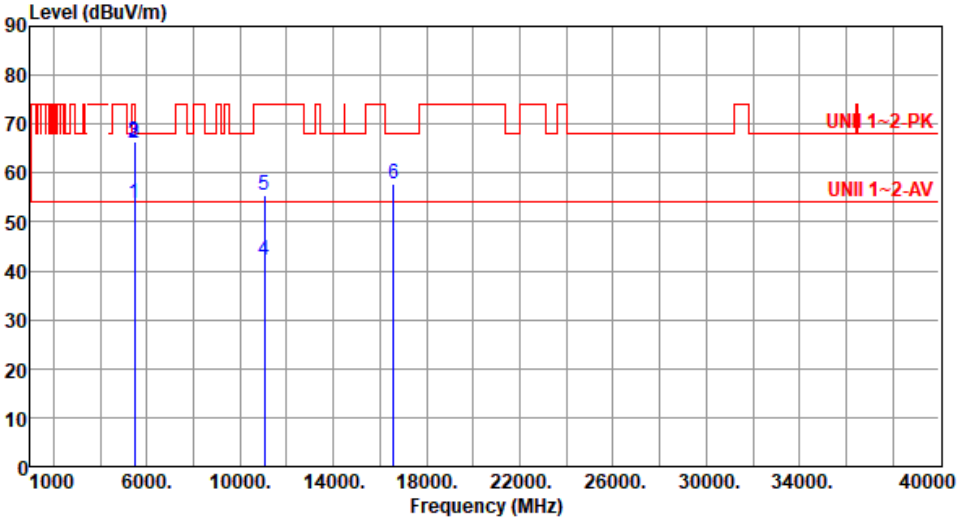


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	53.08	54.00	-0.92	53.11	-0.03	Average	193	8
2	5460.00	64.06	74.00	-9.94	64.09	-0.03	Peak	193	8
3	5470.00	65.02	68.20	-3.18	65.03	-0.01	Peak	210	20
4	11060.00	42.45	54.00	-11.55	35.10	7.35	Average	100	143
5	11060.00	55.20	74.00	-18.80	47.85	7.35	Peak	100	143
6	16590.00	58.13	68.20	-10.07	52.18	5.95	Peak	100	112

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

Modulation	ax HE80	**Test Freq. (MHz)**	5530
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

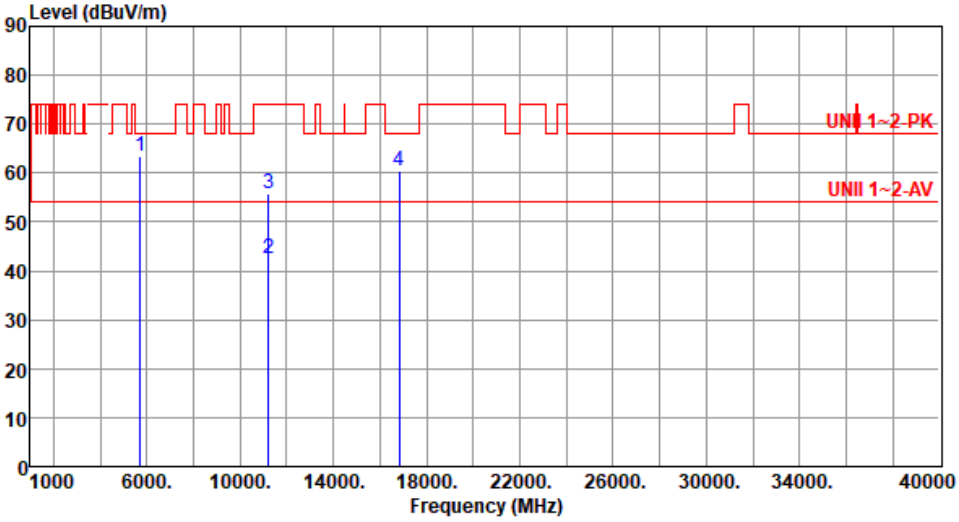


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	53.86	54.00	-0.14	53.89	-0.03	Average	236	340
2	5460.00	66.08	74.00	-7.92	66.11	-0.03	Peak	236	340
3	5470.00	66.31	68.20	-1.89	66.32	-0.01	Peak	209	358
4	11060.00	42.16	54.00	-11.84	34.81	7.35	Average	100	121
5	11060.00	55.57	74.00	-18.43	48.22	7.35	Peak	100	121
6	16590.00	57.81	68.20	-10.39	51.86	5.95	Peak	100	211

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

Modulation	ax HE80	**Test Freq. (MHz)**	5610
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

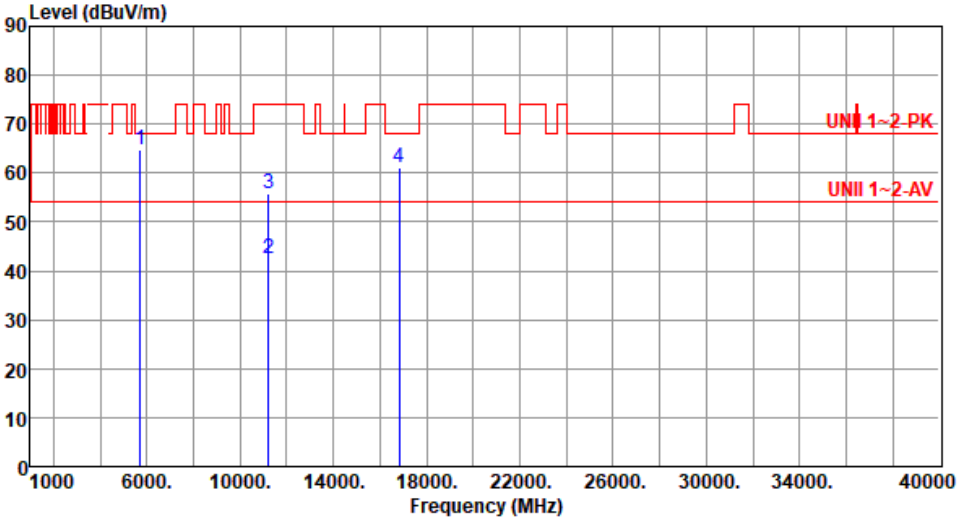


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	63.27	68.20	-4.93	62.79	0.48	Peak	225	337
2	11220.00	42.38	54.00	-11.62	35.66	6.72	Average	100	211
3	11220.00	55.67	74.00	-18.33	48.95	6.72	Peak	100	211
4	16830.00	60.39	68.20	-7.81	53.74	6.65	Peak	100	172

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

Modulation	ax HE80	**Test Freq. (MHz)**	5610
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

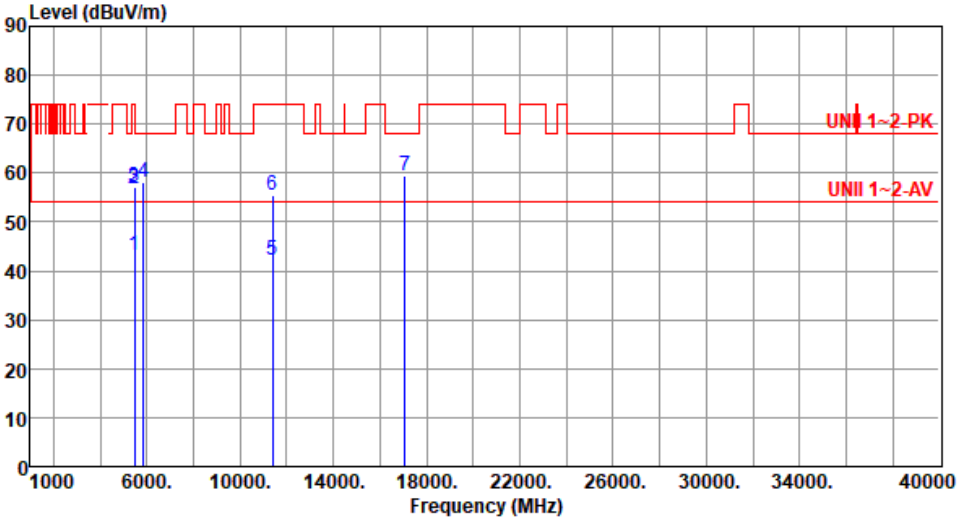


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	64.63	68.20	-3.57	64.15	0.48	Peak	221	9
2	11220.00	42.56	54.00	-11.44	35.84	6.72	Average	100	186
3	11220.00	55.87	74.00	-18.13	49.15	6.72	Peak	100	186
4	16830.00	61.06	68.20	-7.14	54.41	6.65	Peak	100	127

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

Modulation	ax HE80	**Test Freq. (MHz)**	5690
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66

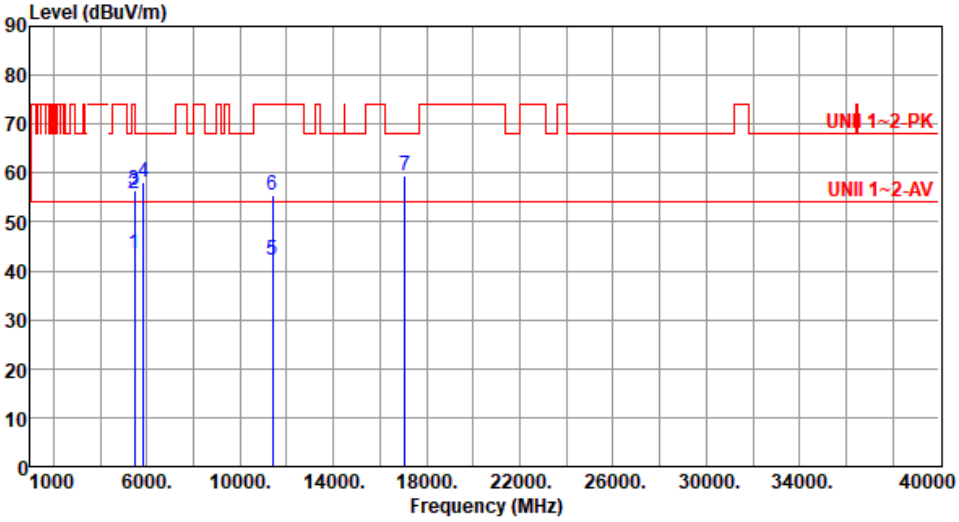


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.07	54.00	-10.93	43.10	-0.03	Average	228	293
2	5460.00	56.70	74.00	-17.30	56.73	-0.03	Peak	228	293
3	5470.00	57.25	68.20	-10.95	57.26	-0.01	Peak	228	293
4	5850.00	58.09	68.20	-10.11	57.34	0.75	Peak	228	293
5	11380.00	42.23	54.00	-11.77	35.26	6.97	Average	100	158
6	11380.00	55.43	74.00	-18.57	48.46	6.97	Peak	100	158
7	17070.00	59.49	68.20	-8.71	53.44	6.05	Peak	100	110

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

Modulation	ax HE80	**Test Freq. (MHz)**	5690
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):24 Humidity(%):66



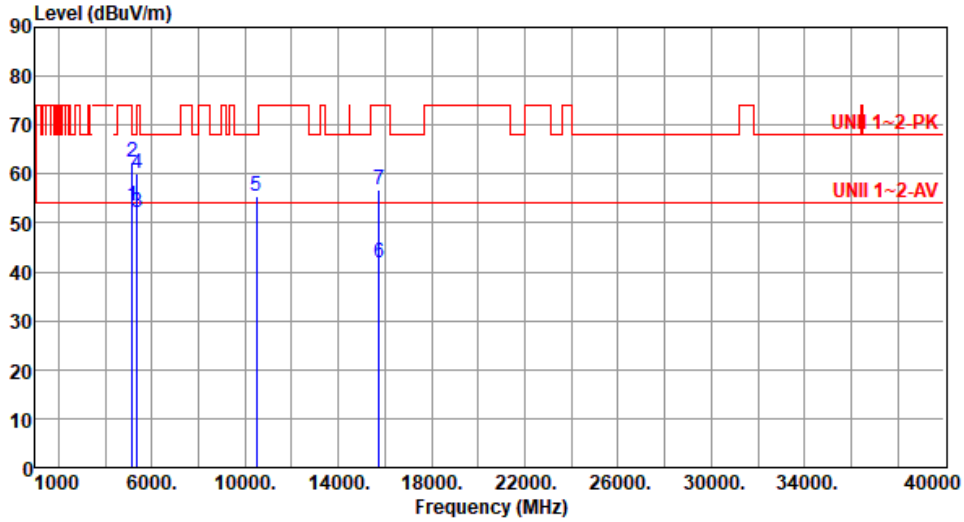
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.44	54.00	-10.56	43.47	-0.03	Average	262	349
2	5460.00	55.89	74.00	-18.11	55.92	-0.03	Peak	262	349
3	5470.00	56.62	68.20	-11.58	56.63	-0.01	Peak	262	349
4	5850.00	58.21	68.20	-9.99	57.46	0.75	Peak	262	349
5	11380.00	42.25	54.00	-11.75	35.28	6.97	Average	100	97
6	11380.00	55.48	74.00	-18.52	48.51	6.97	Peak	100	97
7	17070.00	59.46	68.20	-8.74	53.41	6.05	Peak	100	223

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

Unwanted Emissions (Above 1GHz) for ax HE160

Modulation	ax HE160	Test Freq. (MHz)	5250
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

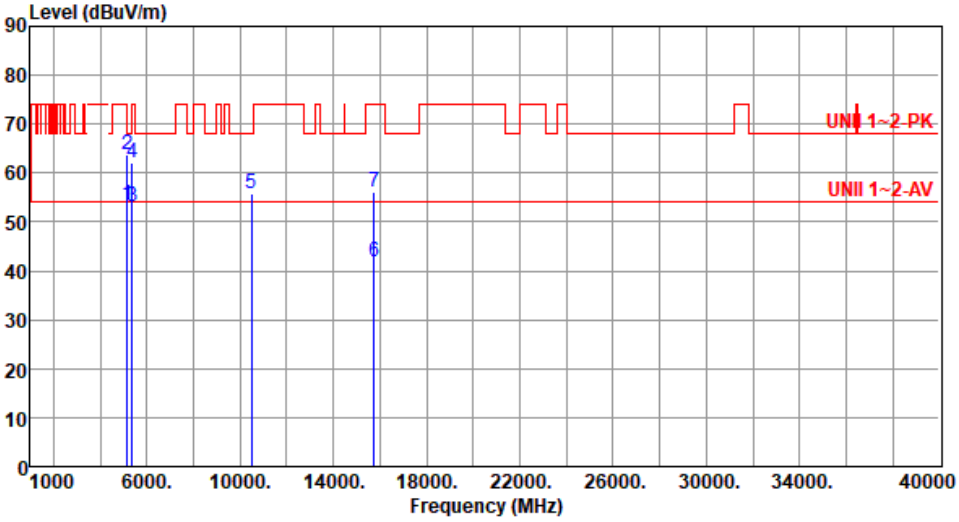


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	53.34	54.00	-0.66	53.20	0.14	Average	218	20
2	5150.00	62.45	74.00	-11.55	62.31	0.14	Peak	218	20
3	5350.00	51.99	54.00	-2.01	52.28	-0.29	Average	218	20
4	5350.00	60.19	74.00	-13.81	60.48	-0.29	Peak	218	20
5	10500.00	55.32	68.20	-12.88	48.13	7.19	Peak	100	120
6	15750.00	42.00	54.00	-12.00	38.15	3.85	Average	100	106
7	15750.00	56.73	74.00	-17.27	52.88	3.85	Peak	100	106

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

Modulation	ax HE160	**Test Freq. (MHz)**	5250
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

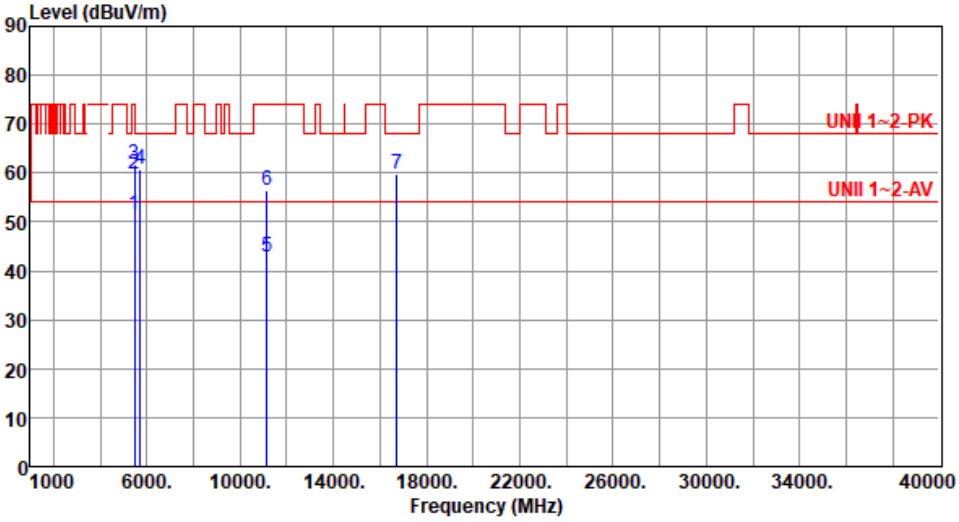


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	53.57	54.00	-0.43	53.43	0.14	Average	215	332
2	5150.00	63.70	74.00	-10.30	63.56	0.14	Peak	215	332
3	5350.00	53.16	54.00	-0.84	53.45	-0.29	Average	215	332
4	5350.00	62.26	74.00	-11.74	62.55	-0.29	Peak	215	332
5	10500.00	55.63	68.20	-12.57	48.44	7.19	Peak	100	149
6	15750.00	41.81	54.00	-12.19	37.96	3.85	Average	100	194
7	15750.00	56.18	74.00	-17.82	52.33	3.85	Peak	100	194

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

Modulation	ax HE160	**Test Freq. (MHz)**	5570
Polarization	Horizontal		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

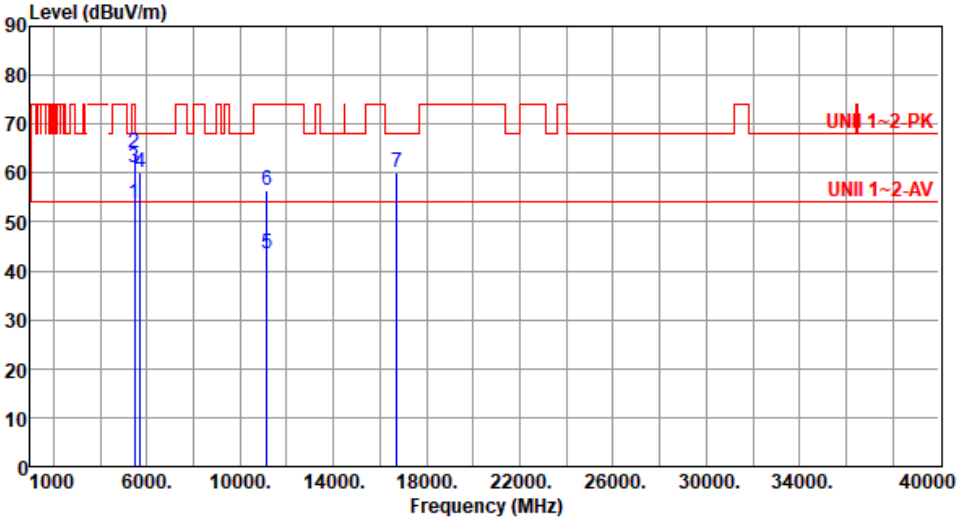


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	51.45	54.00	-2.55	51.48	-0.03	Average	211	323
2	5460.00	59.69	74.00	-14.31	59.72	-0.03	Peak	211	323
3	5470.00	61.68	68.20	-6.52	61.69	-0.01	Peak	211	323
4	5725.00	60.77	68.20	-7.43	60.29	0.48	Peak	211	323
5	11140.00	42.95	54.00	-11.05	35.92	7.03	Average	100	225
6	11140.00	56.60	74.00	-17.40	49.57	7.03	Peak	100	225
7	16710.00	59.85	68.20	-8.35	53.61	6.24	Peak	100	179

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

Modulation	ax HE160	**Test Freq. (MHz)**	5570
Polarization	Vertical		

Test By :Sean Yu Temperature(℃):23 Humidity(%):66



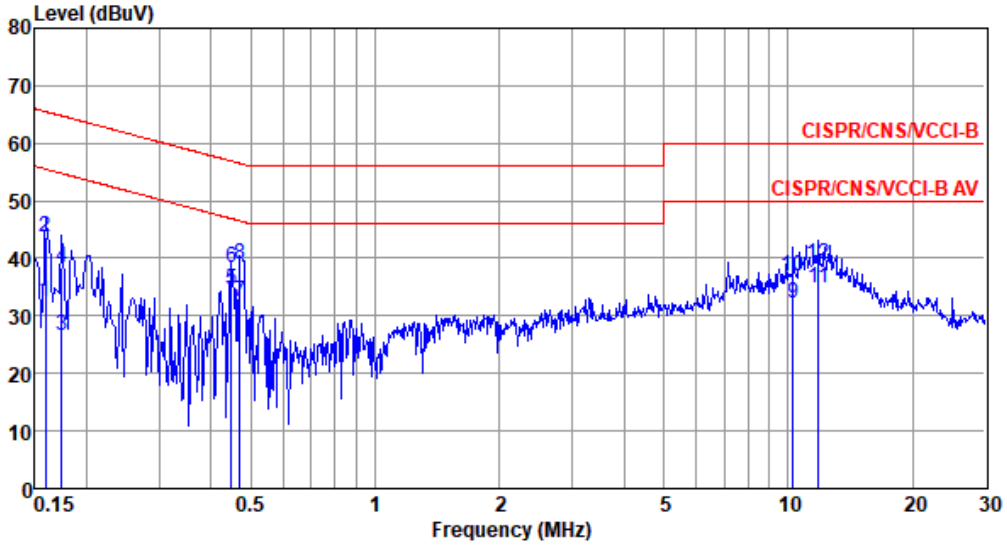
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	53.73	54.00	-0.27	53.76	-0.03	Average	180	346
2	5460.00	64.08	74.00	-9.92	64.11	-0.03	Peak	180	346
3	5470.00	61.03	68.20	-7.17	61.04	-0.01	Peak	180	346
4	5725.00	60.14	68.20	-8.06	59.66	0.48	Peak	180	329
5	11140.00	43.40	54.00	-10.60	36.37	7.03	Average	100	129
6	11140.00	56.31	74.00	-17.69	49.28	7.03	Peak	100	129
7	16710.00	60.04	68.20	-8.16	53.80	6.24	Peak	100	161

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

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (ºC)	**0 minute**	**2 minutes**	**5 minutes**	**10 minutes**
T20°CVmax	5.09	4.90	5.44	5.22
T20°CVmin	4.74	4.77	4.98	4.64
T50°CVnom	9.72	9.87	9.88	9.32
T40°CVnom	5.31	5.34	5.86	5.80
T30°CVnom	3.57	3.99	4.18	3.82
T20°CVnom	5.17	5.69	5.44	4.90
T10°CVnom	4.34	4.77	4.86	4.41
T0°CVnom	3.73	4.45	3.92	3.83
T-10°CVnom	3.41	3.73	3.09	3.55
T-20°CVnom	0.28	-0.14	0.91	0.52
T-30°CVnom	-2.77	-2.10	-2.46	-2.88
Vnom [V]: 120		Vmax [V]: 138		Vmin [V]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Modulation Mode	ax HE80	**Test Freq. (MHz)**	5610
Power Phase	Line		

Test by : Wish Yu Temperature: 22°C Humidity: 62%

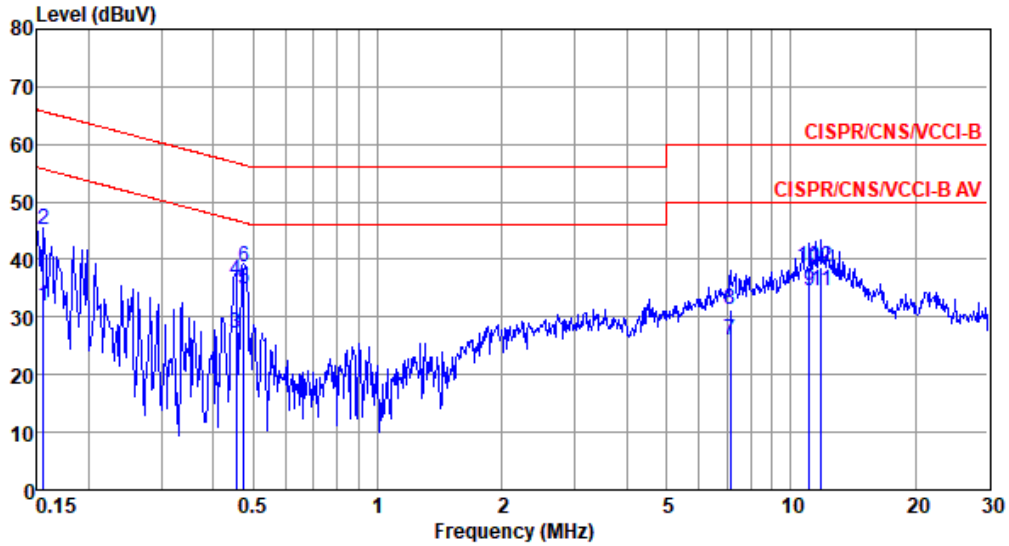


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	32.62	55.52	-22.90	22.97	9.59	0.06	0.00	Average
2	0.159	43.57	65.52	-21.95	33.92	9.59	0.06	0.00	QP
3	0.174	26.70	54.77	-28.07	17.05	9.59	0.06	0.00	Average
4	0.174	38.37	64.77	-26.40	28.72	9.59	0.06	0.00	QP
5*	0.449	34.61	46.89	-12.28	24.95	9.59	0.07	0.00	Average
6	0.449	38.46	56.89	-18.43	28.80	9.59	0.07	0.00	QP
7	0.471	32.58	46.49	-13.91	22.92	9.59	0.07	0.00	Average
8	0.471	39.10	56.49	-17.39	29.44	9.59	0.07	0.00	QP
9	10.288	32.21	50.00	-17.79	22.19	9.65	0.37	0.00	Average
10	10.288	36.78	60.00	-23.22	26.76	9.65	0.37	0.00	QP
11	11.870	34.89	50.00	-15.11	24.86	9.64	0.39	0.00	Average
12	11.870	39.08	60.00	-20.92	29.05	9.64	0.39	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation Mode	ax HE80	**Test Freq. (MHz)**	5610
Power Phase	Neutral		

Test by : Wish Yu Temperature: 22°C Humidity: 62%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.156	31.99	55.69	-23.70	22.33	9.60	0.06	0.00	Average
2	0.156	45.21	65.69	-20.48	35.55	9.60	0.06	0.00	QP
3	0.454	27.30	46.80	-19.50	17.63	9.60	0.07	0.00	Average
4	0.454	36.29	56.80	-20.51	26.62	9.60	0.07	0.00	QP
5*	0.474	34.93	46.45	-11.52	25.26	9.60	0.07	0.00	Average
6	0.474	38.54	56.45	-17.91	28.87	9.60	0.07	0.00	QP
7	7.137	25.87	50.00	-24.13	15.93	9.65	0.29	0.00	Average
8	7.137	31.40	60.00	-28.60	21.46	9.65	0.29	0.00	QP
9	11.080	34.61	50.00	-15.39	24.56	9.67	0.38	0.00	Average
10	11.080	38.53	60.00	-21.47	28.48	9.67	0.38	0.00	QP
11	11.870	34.40	50.00	-15.60	24.34	9.67	0.39	0.00	Average
12	11.870	38.73	60.00	-21.27	28.67	9.67	0.39	0.00	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).