

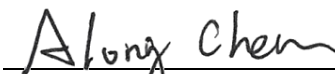
FCC Test Report

FCC ID : JVPVS25R
Equipment : InstaShow Receiver
Model No. : VS25R
(Please refer to section 1.1.1 for more details)
Brand Name : BenQ
Applicant : BenQ Corporation
Address : 16 Jihu Road, Neihu, Taipei 114, Taiwan
Standard : 47 CFR FCC Part 15.407
Received Date : Sep. 08, 2025
Tested Date : Oct. 16 ~ Nov. 10, 2025

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

Reviewed by:

Approved by:


Along Chen / Assistant Manager

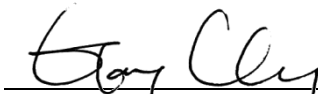

Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
FR590801AN	Rev. 01	Initial issue	Dec. 03, 2025
FR590801AN	Rev. 02	Updated brand name and FCC ID	Dec. 16, 2025

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.156MHz 47.72 (Margin -17.97dB) - QP	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5638.63MHz 67.11 (Margin -1.09dB) – PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	Conducted Output Power	Max Power [dBm]: AP Radio 5150~5250MHz: 19.46 5725~5850MHz: 26.28 MB Radio 5150~5250MHz: 10.06 5725~5850MHz: 10.46	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

The product: InstaShow is available in two sales configurations:

- Model: VS25 (Receiver: VS25R / BUTTON: VS25T / MULTIMEDIA HUB: VS25MT / HOST BUTTON:VS25HT)
- Model: WDC25 (Receiver: WDC25R / BUTTON: WDC25T x2)

The EUT has two radio modules inside. (AP Radio and MB Radio (MB Radio supports 5G only))

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
BenQ	VS25R	InstaShow Receiver	The variation of model number is for strategy of marketing. The PCB circuit of each model is identical.
	WDC25R		

1.1.2 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	Radio
5150-5250 5725-5850	a n (HT20) ac (VHT20) ax (HE20)	5180-5240 5745-5825	36-48 [4] 149-165 [5]	1	6-54 Mbps MCS 0-7 MCS 0-9 MCS 0-11	MB
				2	6-54 Mbps MCS 0-15 MCS 0-9 MCS 0-11	AP
5150-5250 5725-5850	n (HT40) ac (VHT40) ax (HE40)	5190-5230 5755-5795	38-46 [2] 151-159 [2]	1	MCS 0-15 MCS 0-9 MCS 0-11	MB
				2	MCS 0-7 MCS 0-9 MCS 0-11	AP
5150-5250 5725-5850	ac (VHT80) ax (HE80)	5210 5775	42 [1] 155 [1]	1	MCS 0-9 MCS 0-11	MB
				2		AP

Note 1: OFDM - BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation.

1.1.3 Antenna Details

AP Radio

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
					2400~2483.5	5150~5250	5725-5850
1	INPAQ	RFDPA191300SBLB819	Dipole	R-SMA	2.13	2.52	3.5
2	INPAQ	RFDPA191300SBLB819	Dipole	R-SMA	2.25	2.29	3.67

Note: Please refer to antenna report for more details about antenna pattern and other information.

MB Radio

Ant. No.	Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)	
					5150~5250	5725-5850
1	RUI	WF6396B-1131L-100	PIFA	IPEX	4.25	0.81

Note: Please refer to antenna report for more details about antenna pattern and other information.

1.1.4 Configuration of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter	
Beamforming	☐ Support	☒ Not support
RU Configuration	☒ Full RU	☐ Partial RU
Channel Puncturing	☐ Support	☒ Not support

1.1.5 Accessories

Accessories		
No.	Equipment	Description
1	Adapter	Brand: DEE VAN Model: DSA-36PFN-12 FCA 120300 I/P: 100-240Vac, 50/60Hz, 1.0A O/P: 12V=3.0A, 36.0W Power line: 1.5m non-shielded without core
2	HDMI cable	0.8m shielded without core

1.1.6 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	151	5755
48	5240	159	5795
149	5745	802.11ac VHT80 / ax HE80	
153	5765	42	5210
157	5785	155	5775
161	5805	-	-
165	5825	-	-

1.1.7 Test Tool and Duty Cycle

AP Radio

Test Tool	QATool_Dbg, Version: 0.0.2.78		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	98.03%	0.09
	ax HE20	97.63%	0.10
	ax HE40	94.94%	0.23
	ax HE80	90.59%	0.43

MB Radio

Test Tool	Tera Term, Version: 4.105		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	99.68%	0.01
	ax HE20	99.57%	0.02
	ax HE40	99.15%	0.04
	ax HE80	98.43%	0.07

1.1.8 Power Index of Test Tool

AP Radio

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	7.5
11a	5200	7.5
11a	5240	7.5
11a	5745	18
11a	5785	18
11a	5825	18
ax HE20	5180	7.5
ax HE20	5200	7.5
ax HE20	5240	7.5
ax HE20	5745	17
ax HE20	5785	17
ax HE20	5825	17
ax HE40	5190	10
ax HE40	5230	10
ax HE40	5755	17.5
ax HE40	5795	17
ax HE80	5210	7.5
ax HE80	5775	12.5

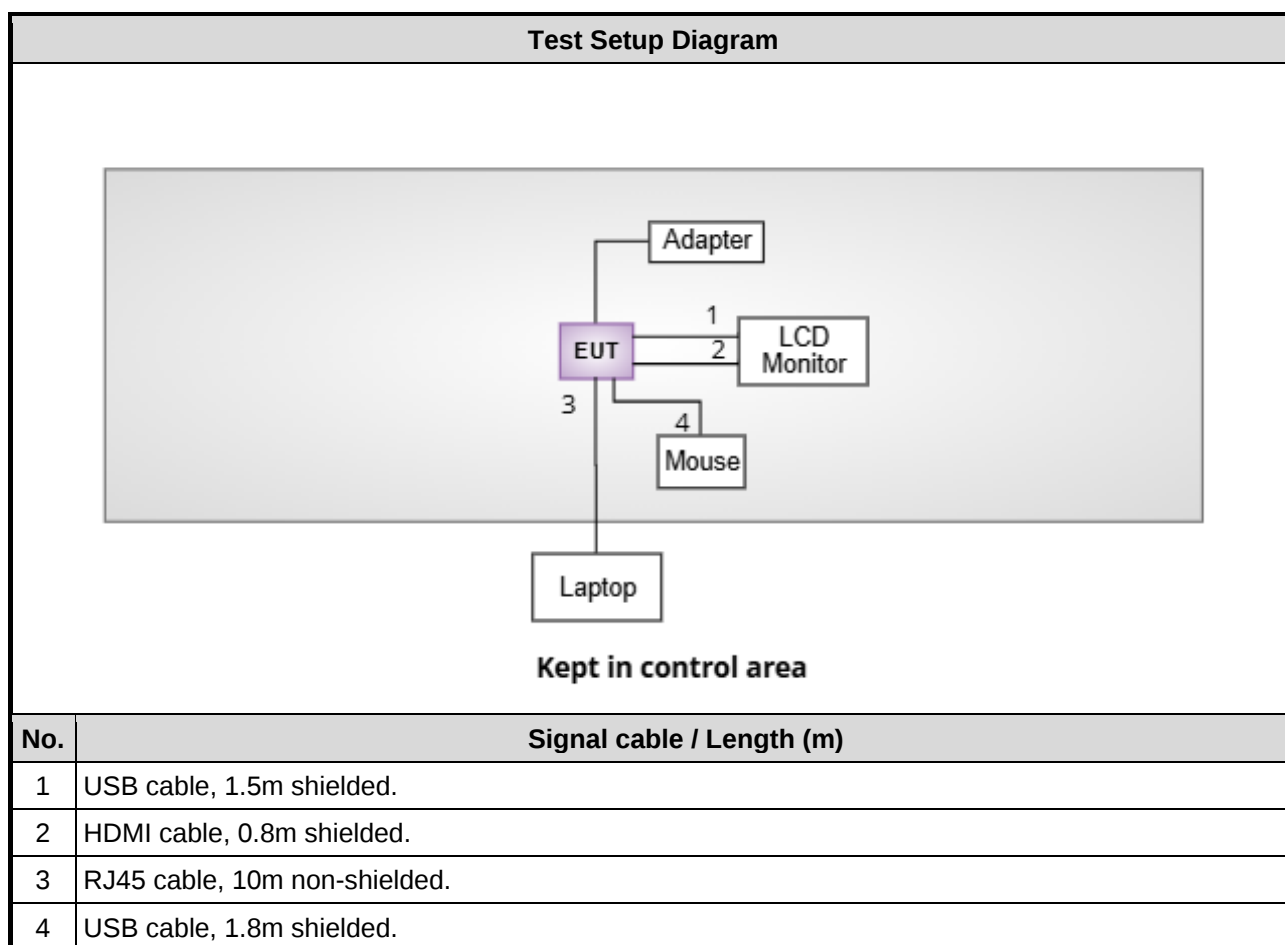
MB Radio

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	10
11a	5200	10
11a	5240	10
11a	5745	10
11a	5785	10
11a	5825	10
ax HE20	5180	10
ax HE20	5200	10
ax HE20	5240	10
ax HE20	5745	10
ax HE20	5785	10
ax HE20	5825	10
ax HE40	5190	10
ax HE40	5230	10
ax HE40	5755	10
ax HE40	5795	10
ax HE80	5210	10
ax HE80	5775	10

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5400	DoC	---
2	LCD Monitor	ASUS(27")	MX27UCS	---	---
3	Mouse	DELL	MS111-L	---	---

1.3 Test Setup Chart



Note: The support laptop and console cable were disconnected from the EUT and removed from the test table after the EUT was set to transmit continuously.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Nov. 05, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 25, 2025	Feb. 24, 2026
LISN	R&S	ENV216	101579	May 07, 2025	May 06, 2026
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Mar. 21, 2025	Mar. 20, 2026
RF Cable-CON	EMC	EMCCFD300-BM-B M-6000	50821	Oct. 07, 2025	Oct. 06, 2026
50 ohm terminal	NA	50	3	Jul. 30, 2025	Jul. 29, 2026
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Nov. 06 ~ Nov. 10, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV3044	101516	Jun. 09, 2025	Jun. 08, 2026
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 26, 2025	Jun. 25, 2026
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 27, 2024	Dec. 26, 2025
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15407_NII	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Oct. 16 ~ Nov. 01, 2025				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Spectrum Analyzer	R&S	FSV40	101498	Nov. 12, 2024	Nov. 11, 2025
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Sep. 05, 2025	Sep. 04, 2026
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 28, 2024	Nov. 27, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025
Preamplifier	EMC	EMC02325	980225	Jun. 13, 2025	Jun. 12, 2026
Preamplifier	EMC	EMC118A45SE	980898	Jun. 24, 2025	Jun. 23, 2026
Preamplifier	EMC	EMC184045SE	980903	Aug. 08, 2025	Aug. 07, 2026
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 01, 2025	Sep. 30, 2026
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 01, 2025	Sep. 30, 2026
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 01, 2025	Sep. 30, 2026
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 01, 2025	Sep. 30, 2026
RF Cable	EMC	EMC104-35M-35M- 3000	210922	Oct. 01, 2025	Sep. 30, 2026
Attenuator	Pasternack	PE7005-10	10-1	Oct. 01, 2025	Sep. 30, 2026
HIGHPASS FILTER 7.5-18G	STI	STI15-9722	STI-HP7.5G-A	Oct. 01, 2025	Sep. 30, 2026
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407

ANSI C63.10-2020

ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

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

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

2 Test Configuration

2.1 Testing Facility

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

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

2.2 The Worst Test Modes and Channel Details

For Frequency band 5150-5250 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Output Power	11a ax HE20 ax HE40 ax HE80	5180 / 5200 / 5240	6 Mbps	1, 2
Power Spectral Density		5180 / 5200 / 5240	MCS 0	
Emission Bandwidth		5190 / 5230	MCS 0	
Unwanted Emissions >1GHz		5210	MCS 0	
Frequency Stability	Un-modulation	5200	---	1, 2
For Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emission	ax HE40	5755	MCS 0	1
	11a	5825	MCS 0	2
Unwanted Emissions ≤1GHz	ax HE40	5755	MCS 0	1
	11a	5825	MCS 0	2
Conducted Output Power	11a ax HE20 ax HE40 ax HE80	5745 / 5785 / 5825	6 Mbps	1, 2
Power Spectral Density		5745 / 5785 / 5825	MCS 0	
Emission Bandwidth		5755 / 5795	MCS 0	
Unwanted Emissions >1GHz		5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	1, 2
NOTE: 1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report. 2. Test configurations are listed as below: 1) Configuration 1: AP Radio 2) Configuration 2: MB Radio				

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 Limit of Emission Bandwidth

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

3.1.2 Test Procedures

26dB Bandwidth

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

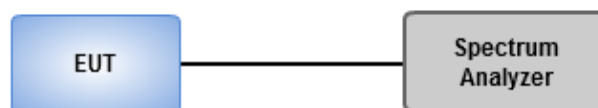
Occupied Bandwidth

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

6dB Bandwidth

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

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	23-24°C / 61-63%	Tested By	Aska Huang & Roger Lu
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Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

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

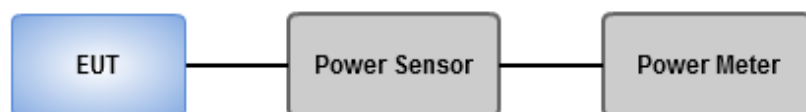
Frequency Band (MHz)	Limit
☒ 5725 ~ 5850	Conducted Power: 1 W
Note: "B" is the 26dB emission bandwidth in MHz.	

3.2.2 Test Procedures

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

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

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	23-24°C / 61-63%	Tested By	Aska Huang & Roger Lu
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Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

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

Frequency Band (MHz)		Limit
☒	5725 ~ 5850	30 dBm /500 kHz

3.3.2 Test Procedures

For 5150 ~ 5250 MHz

Duty cycle $\geq$ 98 %

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

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. Sweep time = auto
3. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

For 5725 ~ 5850 MHz

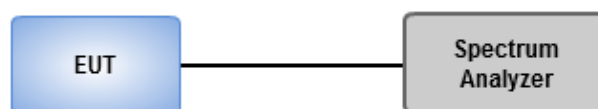
Duty cycle $\geq$ 98 %

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

Duty cycle < 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Detector = RMS.
2. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. Sweep time = auto
3. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23-24°C / 61-63%	Tested By	Aska Huang & Roger Lu
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Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted Emissions

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.850 GHz	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

3.4.2 Test Procedures

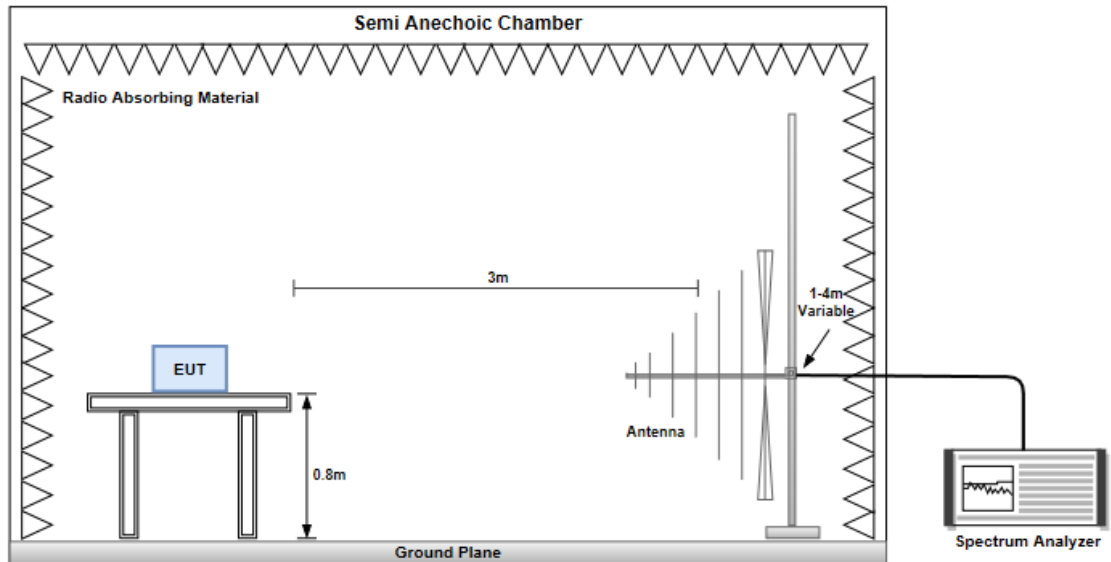
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

Note:

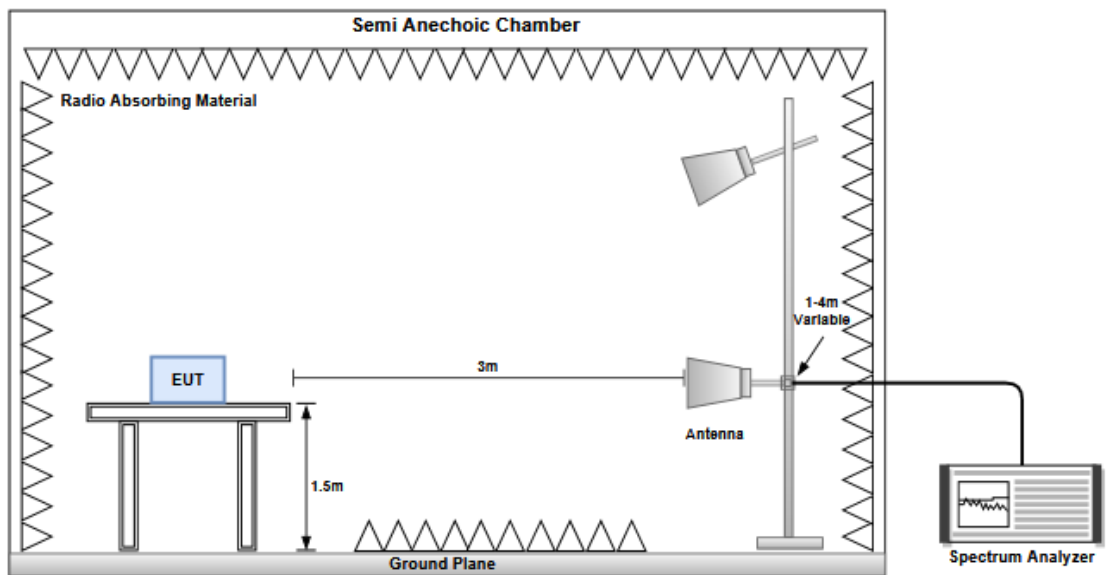
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Ambient Condition	24-26°C / 62-65%	Tested By	Roger Lu & Akun Chun & Brad Wu
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Refer to Appendix D.

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Report Version: Rev. 02

The previous version of the test report has been cancelled and replaced by new version.

3.5 Frequency Stability

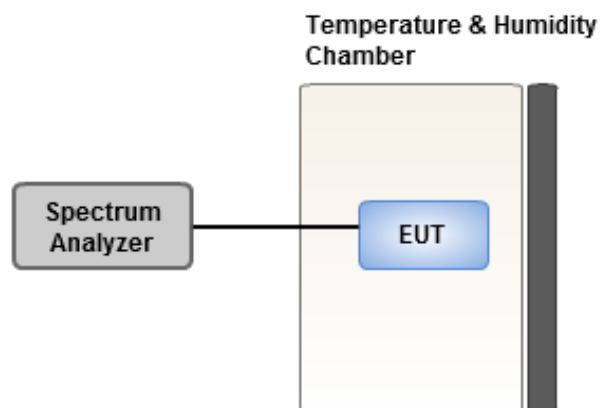
3.5.1 Limit of Frequency Stability

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

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23-24°C / 61-63%	Tested By	Aska Huang & Roger Lu
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Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

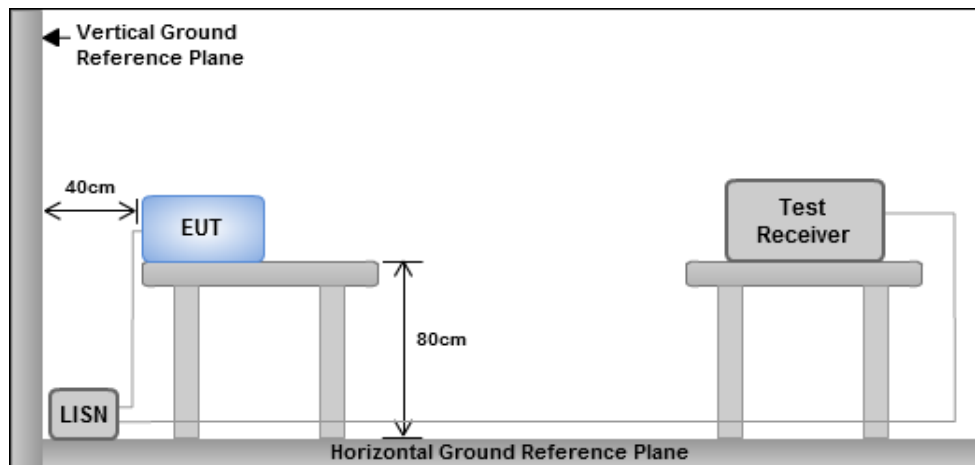
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.6.2 Test Procedures

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

3.6.3 Test Setup



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

3.6.4 Test Results

Refer to Appendix F.

4 Test laboratory information

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

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

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

Linkou

Tel: 886-2-2601-1640

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

Kwei Shan

Tel: 886-3-271-8666

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

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 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

==END==

Configuration 1: AP Radio
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	35.365M	16.815M	16M8D1D	20.075M	16.51M
802.11ax HEW20_Nss1,(MCS0)_2TX	32.175M	19.132M	19M1D1D	20.02M	18.849M
802.11ax HEW40_Nss1,(MCS0)_2TX	49.83M	37.704M	37M7D1D	39.6M	37.52M
802.11ax HEW80_Nss1,(MCS0)_2TX	108.9M	77.109M	77M1D1D	100.32M	77.105M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.28M	19.229M	19M2D1D	16.28M	19.014M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.92M	19.498M	19M5D1D	18.755M	19.415M
802.11ax HEW40_Nss1,(MCS0)_2TX	35.53M	38.153M	38M2D1D	34.98M	37.981M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.24M	76.914M	76M9D1D	75.24M	76.84M

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

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	32.23M	16.715M	33.165M	16.781M
5200MHz	Pass	Inf	34.045M	16.706M	35.365M	16.815M
5240MHz	Pass	Inf	20.075M	16.51M	20.295M	16.642M
5745MHz	Pass	500k	16.28M	19.032M	16.28M	19.014M
5785MHz	Pass	500k	16.28M	19.217M	16.28M	19.229M
5825MHz	Pass	500k	16.28M	19.014M	16.28M	19.026M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	31.515M	19.1M	32.175M	19.116M
5200MHz	Pass	Inf	31.13M	19.132M	31.57M	19.132M
5240MHz	Pass	Inf	20.02M	18.853M	20.075M	18.849M
5745MHz	Pass	500k	18.755M	19.468M	18.92M	19.471M
5785MHz	Pass	500k	18.755M	19.415M	18.865M	19.465M
5825MHz	Pass	500k	18.92M	19.439M	18.865M	19.498M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	48.51M	37.704M	49.83M	37.69M
5230MHz	Pass	Inf	39.6M	37.529M	39.71M	37.52M
5755MHz	Pass	500k	34.98M	38.063M	35.53M	38.153M
5795MHz	Pass	500k	35.09M	37.981M	35.31M	38.004M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	100.32M	77.105M	108.9M	77.109M
5775MHz	Pass	500k	75.24M	76.84M	75.24M	76.914M

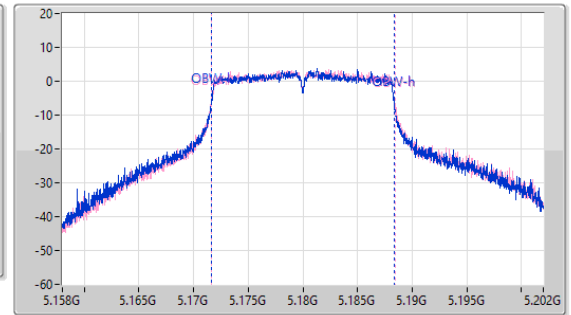
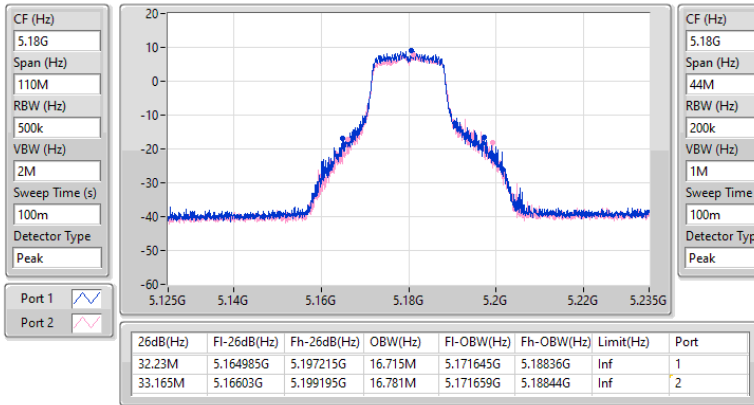
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

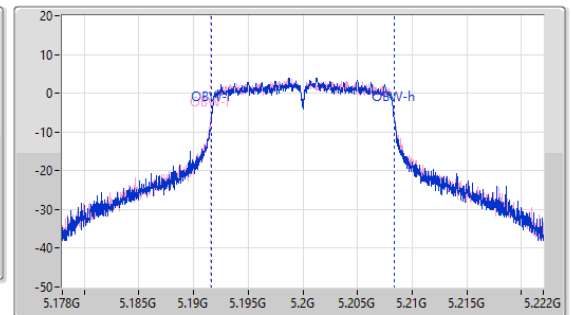
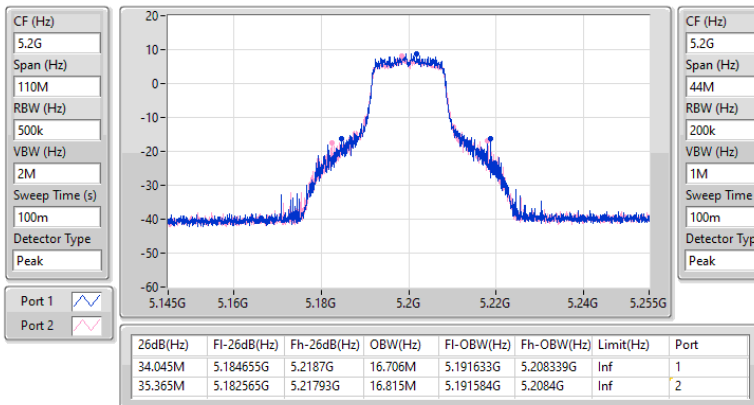
5180MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

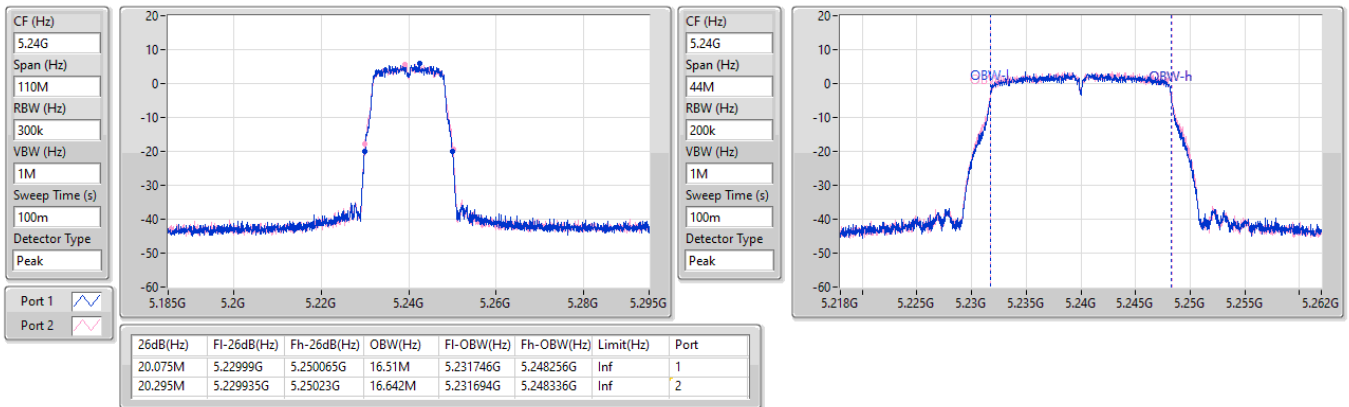




5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

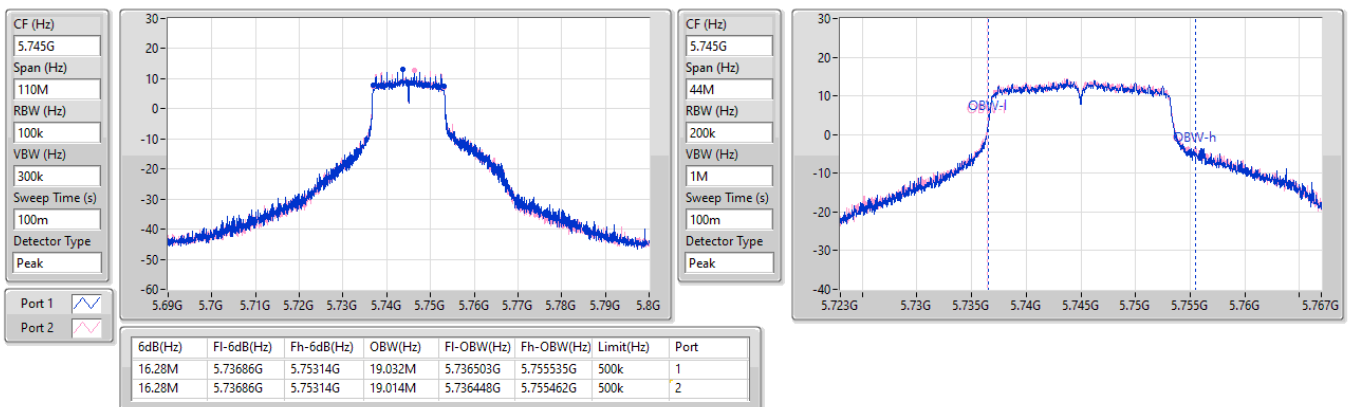
5240MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

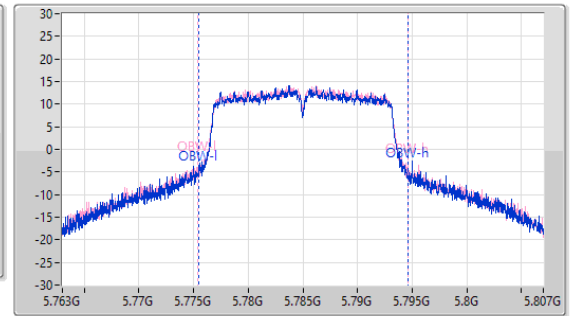
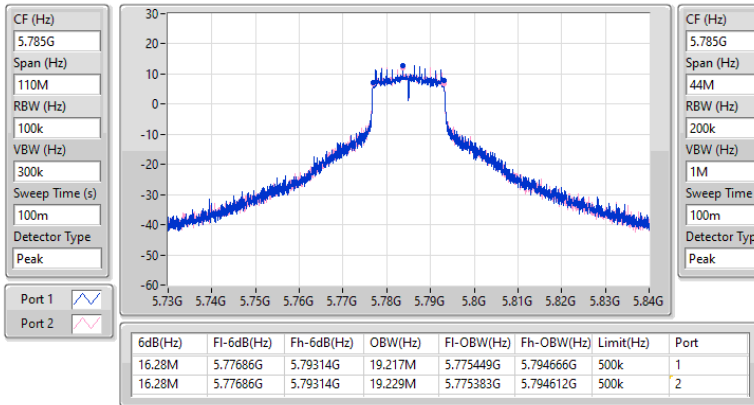




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

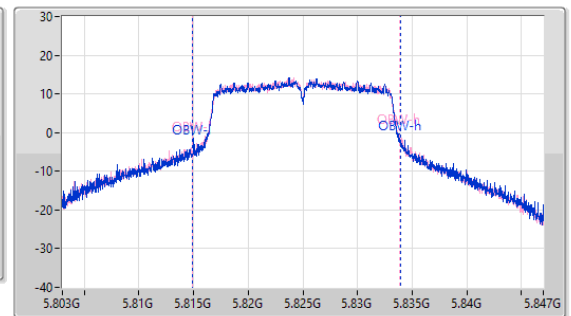
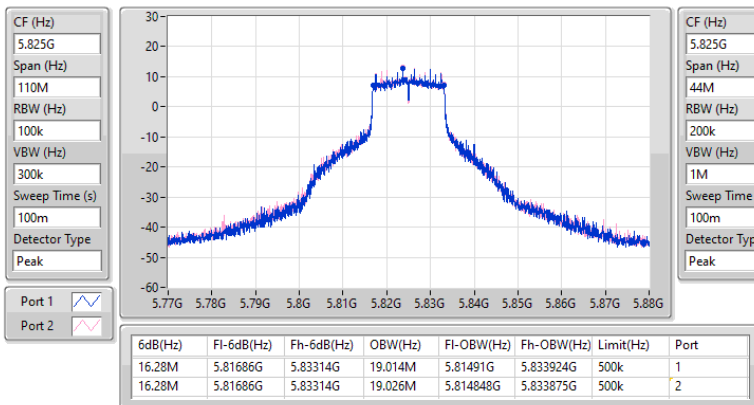
5785MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

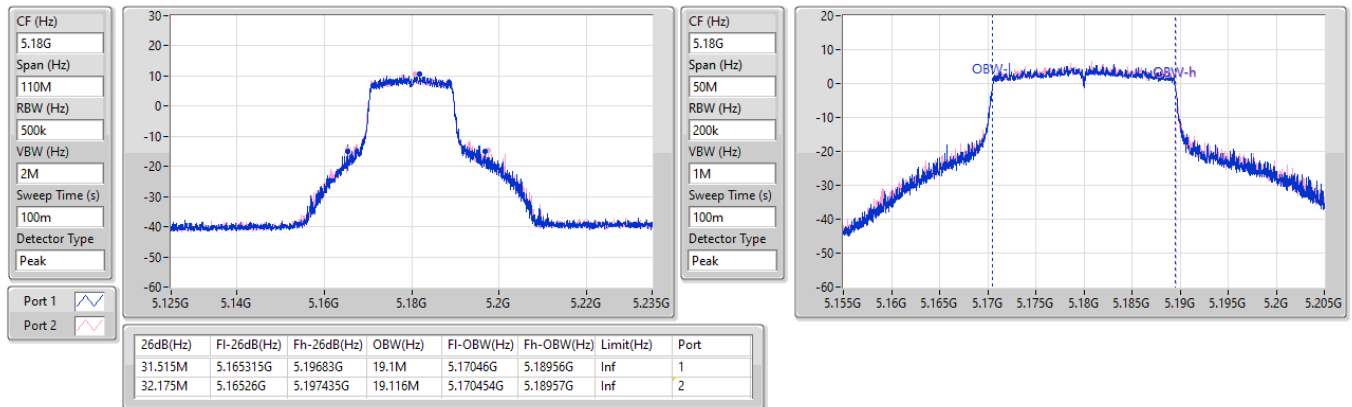




5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

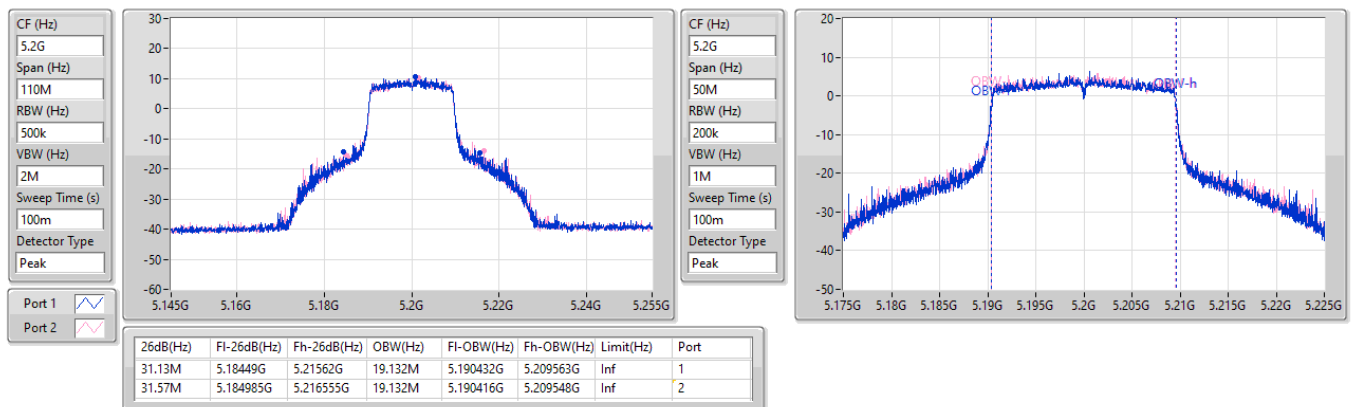
5180MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

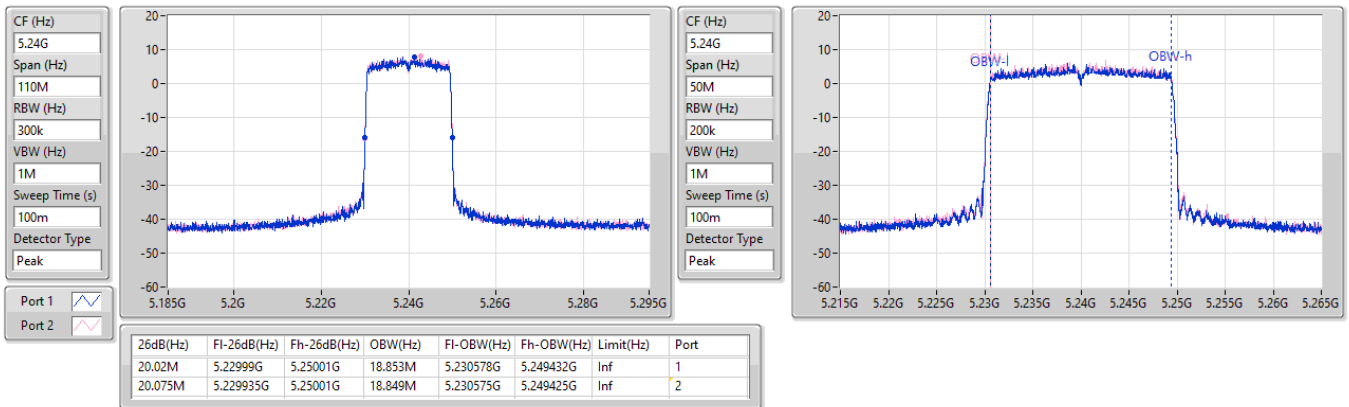




5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

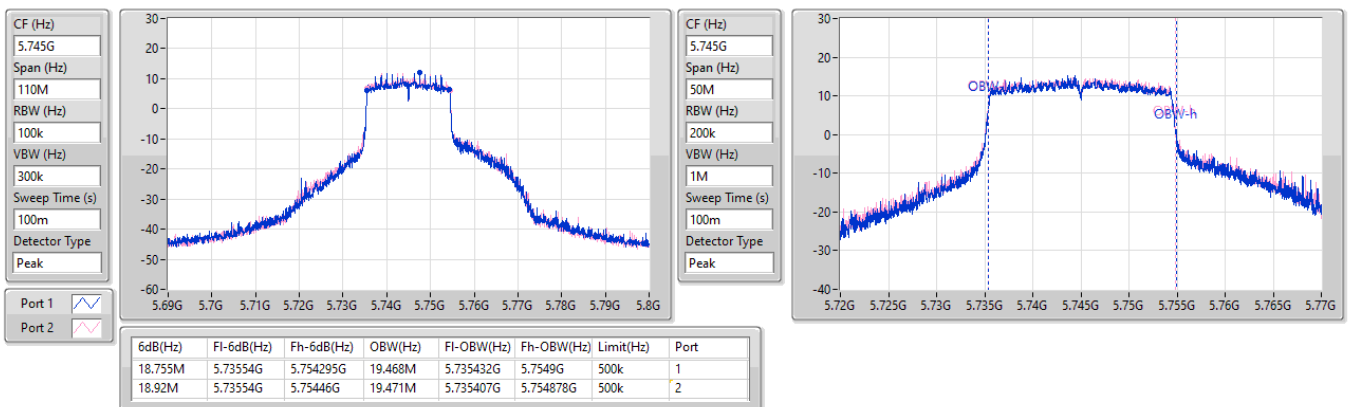
5240MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

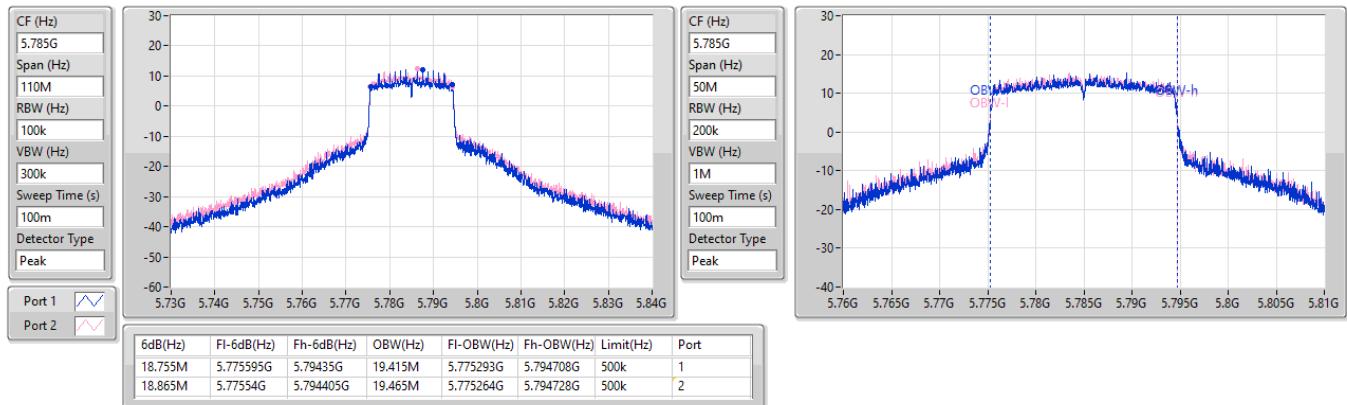




5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

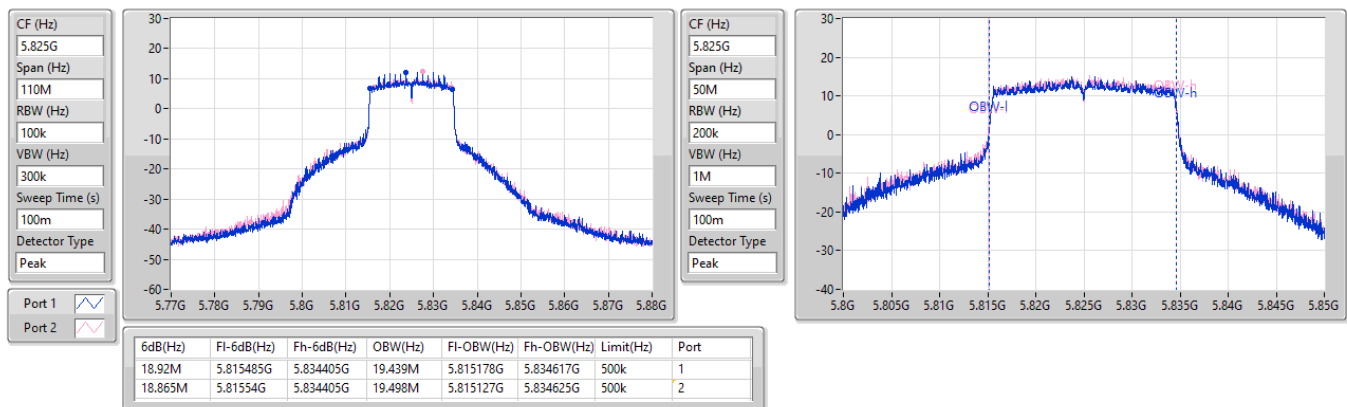
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

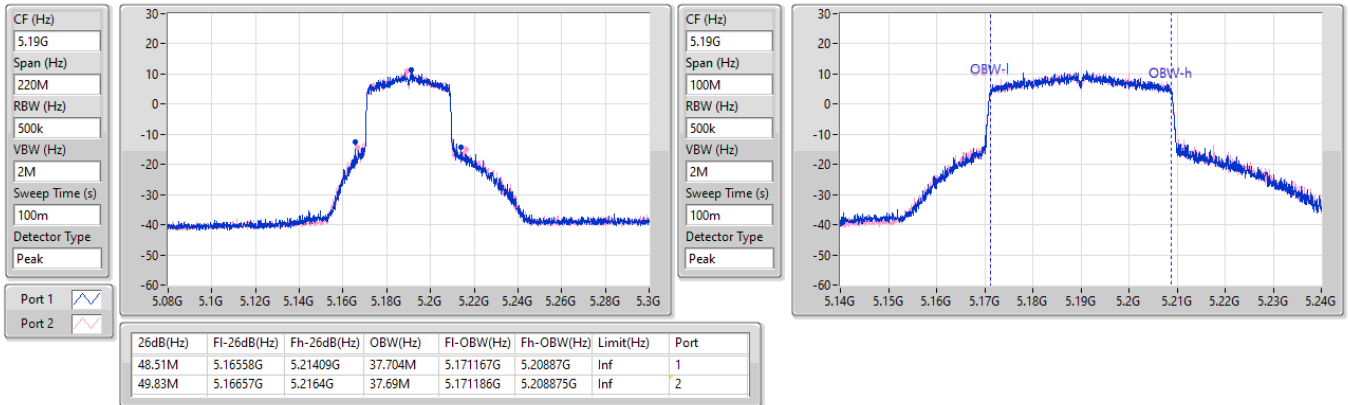
5825MHz



5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

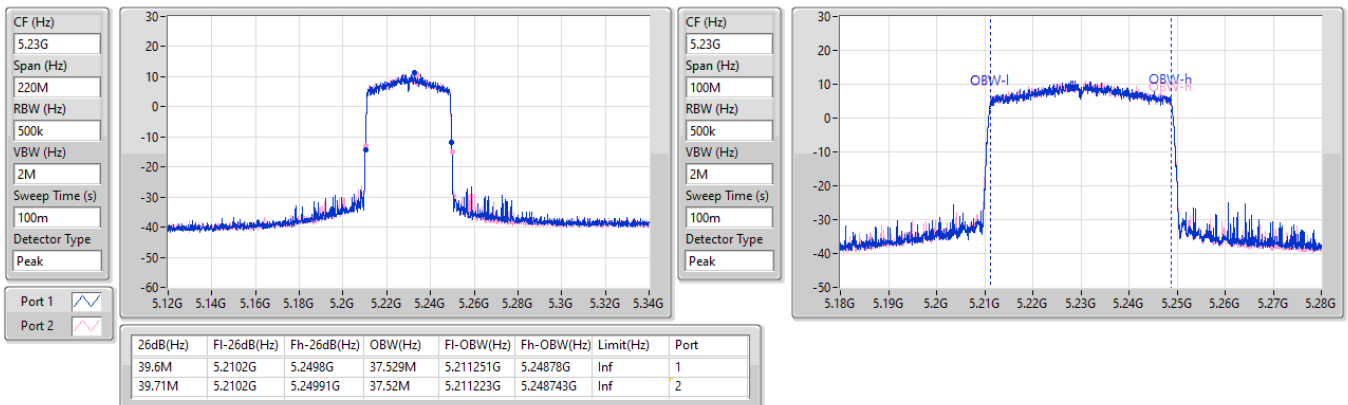
5190MHz



5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

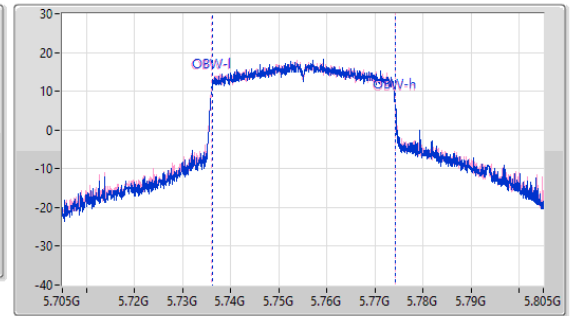
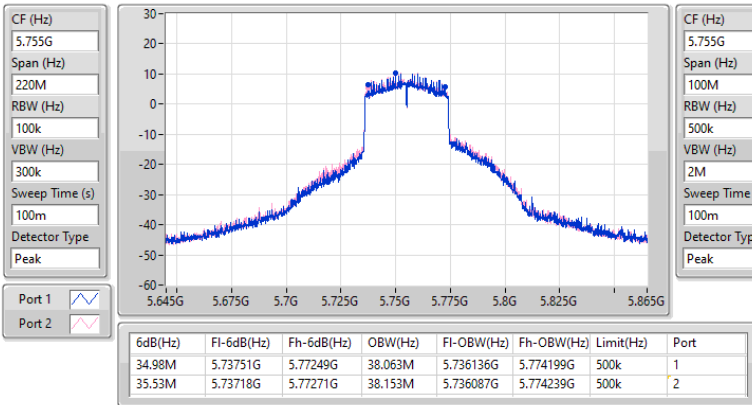




5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

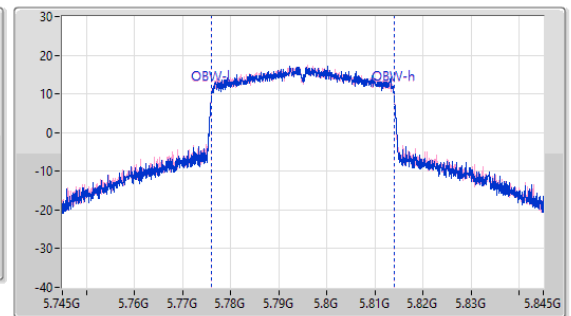
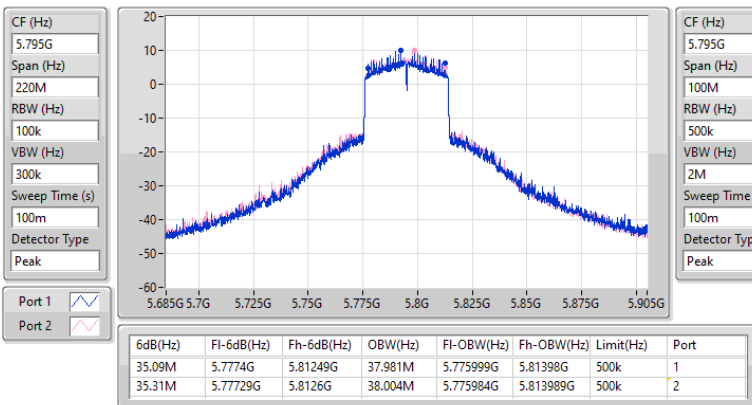
5755MHz



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

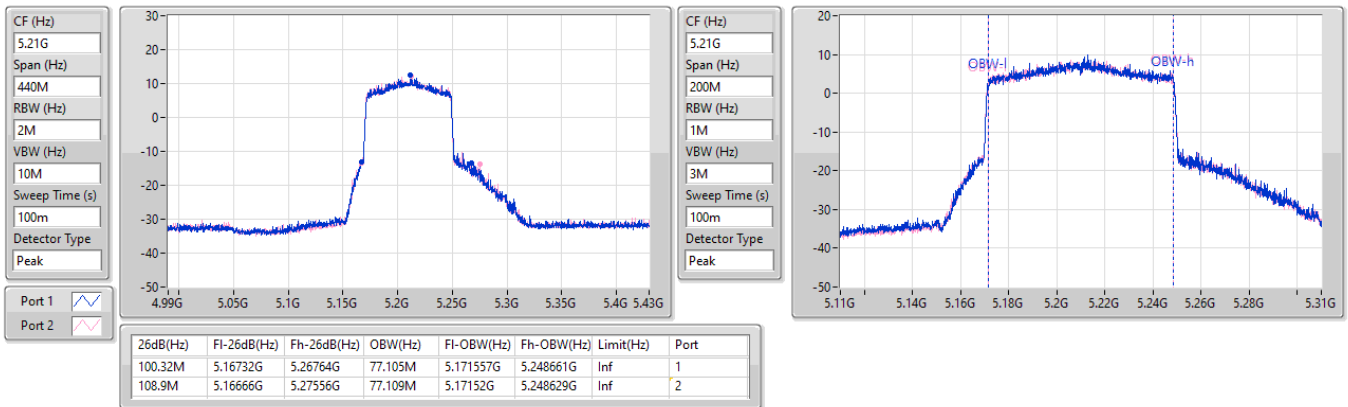




5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

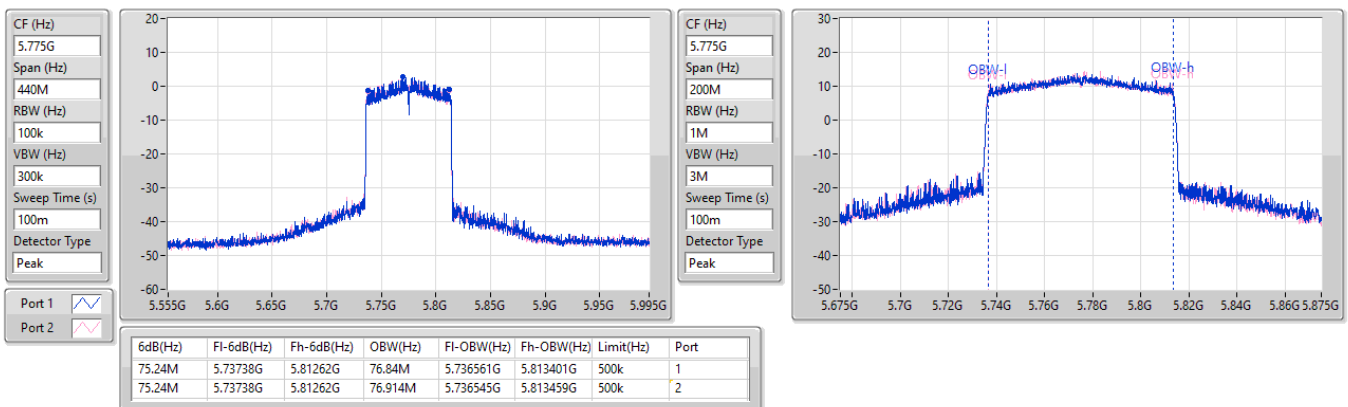
5210MHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz



Configuration 2: MB Radio
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.15M	16.198M	16M2D1D	18.095M	16.194M
802.11ax HEW20_Nss1,(MCS0)_1TX	20.46M	18.763M	18M8D1D	20.405M	18.758M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.82M	37.386M	37M4D1D	39.82M	37.354M
802.11ax HEW80_Nss1,(MCS0)_1TX	80.96M	76.995M	77M0D1D	80.96M	76.995M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	15.07M	16.196M	16M2D1D	15.07M	16.196M
802.11ax HEW20_Nss1,(MCS0)_1TX	15.895M	18.716M	18M7D1D	15.84M	18.706M
802.11ax HEW40_Nss1,(MCS0)_1TX	35.09M	37.391M	37M4D1D	35.09M	37.381M
802.11ax HEW80_Nss1,(MCS0)_1TX	76.34M	77.072M	77M1D1D	76.34M	77.072M

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

Result

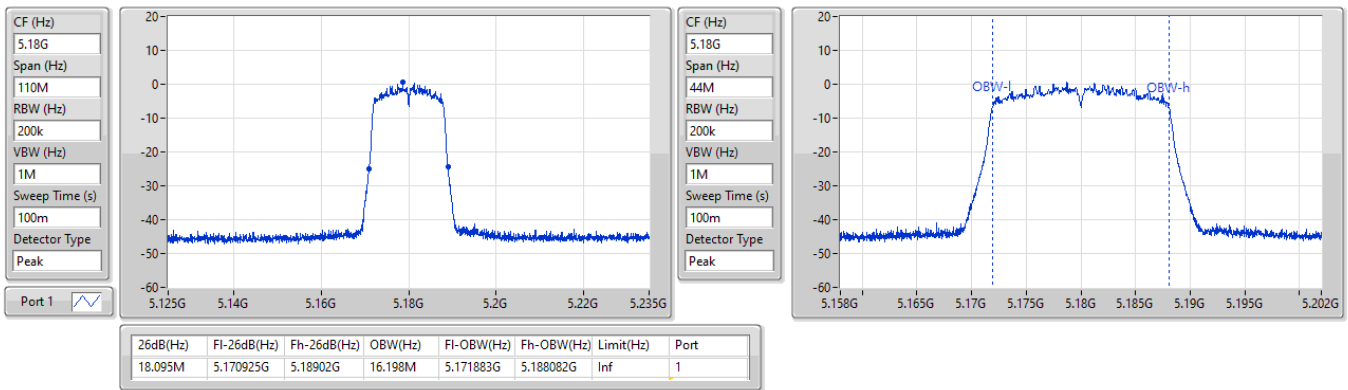
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	18.095M	16.198M
5200MHz	Pass	Inf	18.15M	16.194M
5240MHz	Pass	Inf	18.095M	16.196M
5745MHz	Pass	500k	15.07M	16.196M
5785MHz	Pass	500k	15.07M	16.196M
5825MHz	Pass	500k	15.07M	16.196M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.46M	18.758M
5200MHz	Pass	Inf	20.405M	18.763M
5240MHz	Pass	Inf	20.405M	18.762M
5745MHz	Pass	500k	15.895M	18.709M
5785MHz	Pass	500k	15.895M	18.716M
5825MHz	Pass	500k	15.84M	18.706M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.82M	37.386M
5230MHz	Pass	Inf	39.82M	37.354M
5755MHz	Pass	500k	35.09M	37.381M
5795MHz	Pass	500k	35.09M	37.391M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	80.96M	76.995M
5775MHz	Pass	500k	76.34M	77.072M

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

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

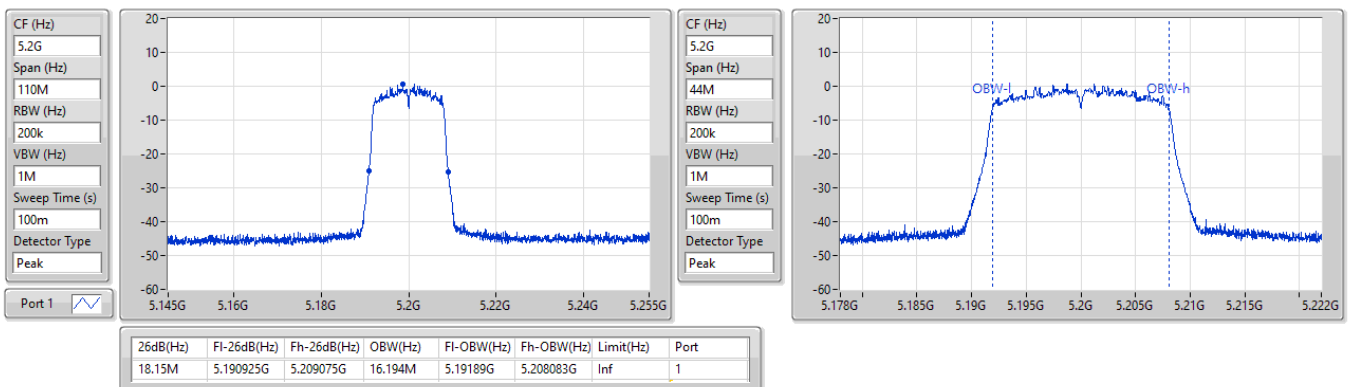
5180MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

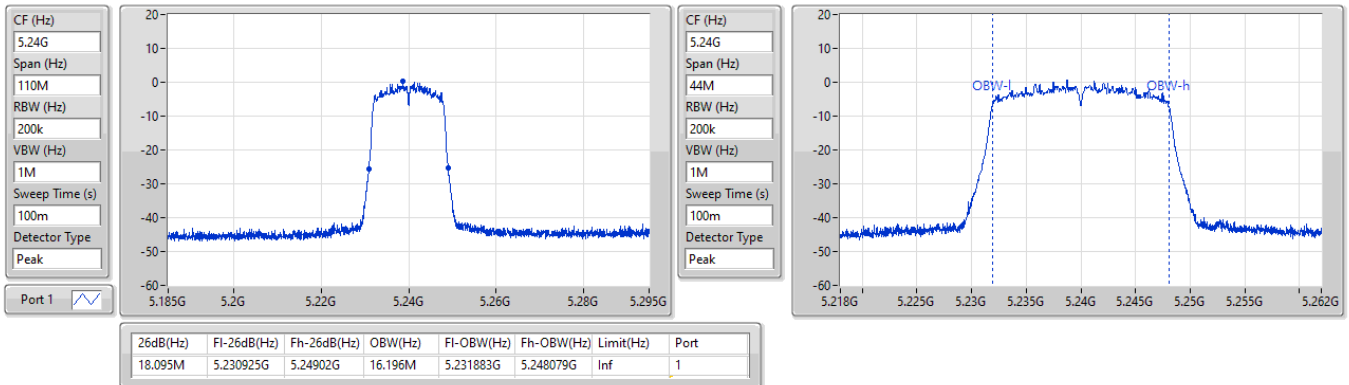
5200MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

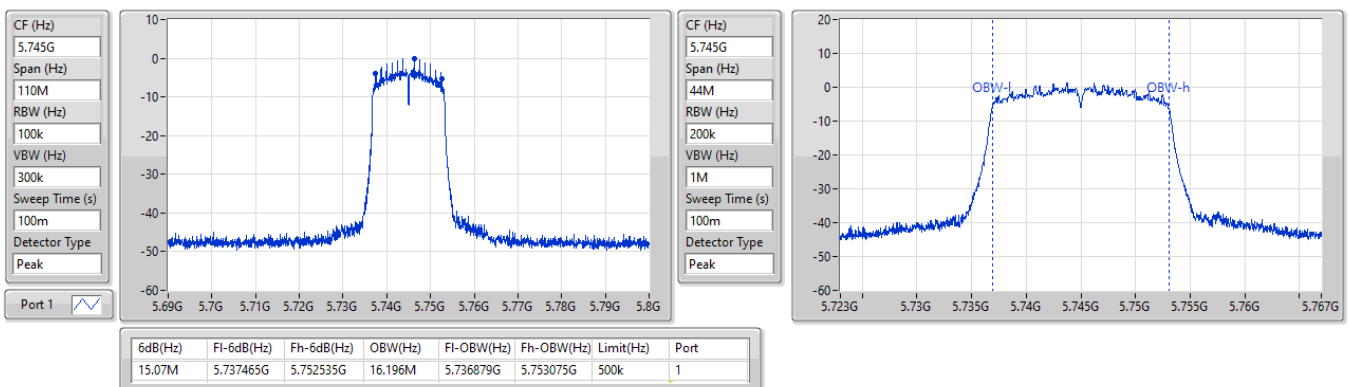
5240MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

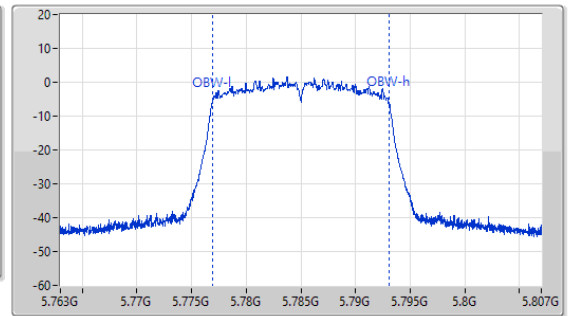
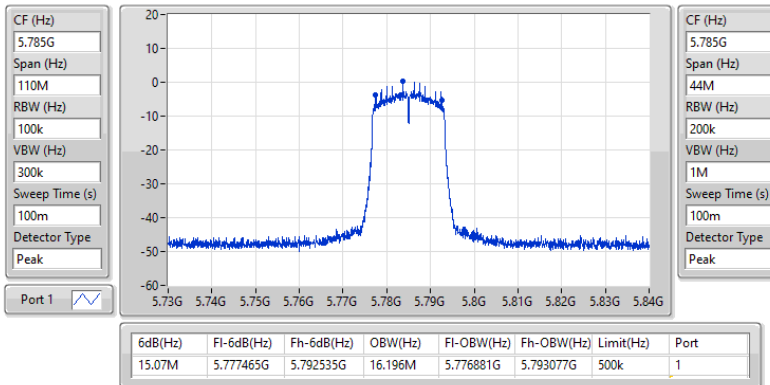
5745MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

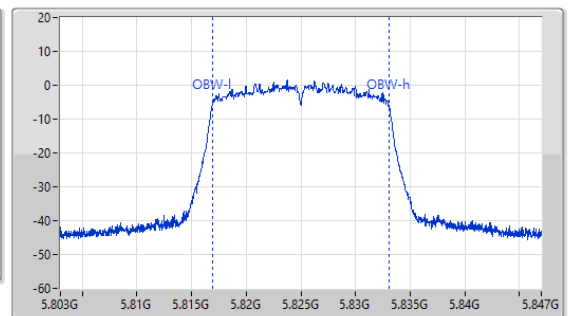
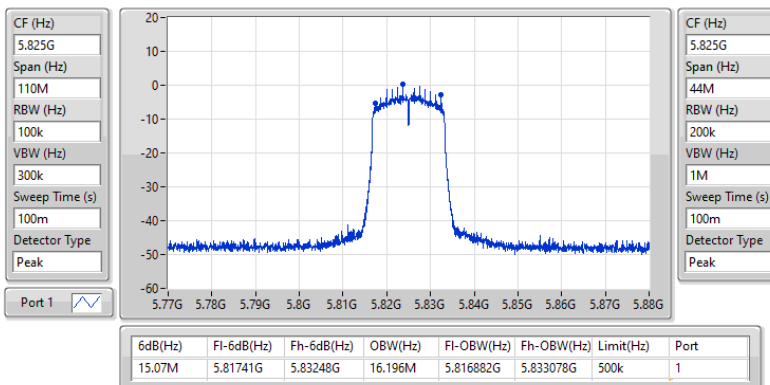
5785MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

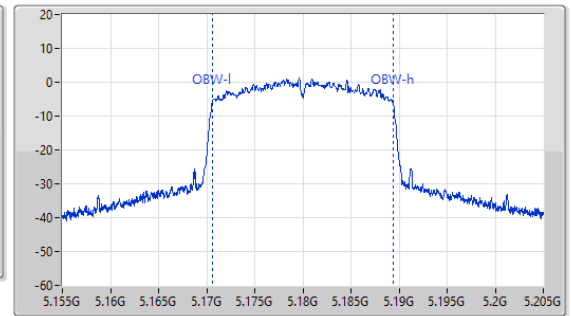
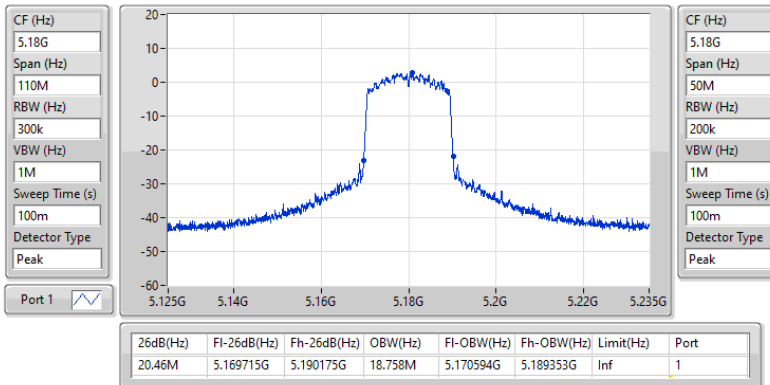
5825MHz



5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

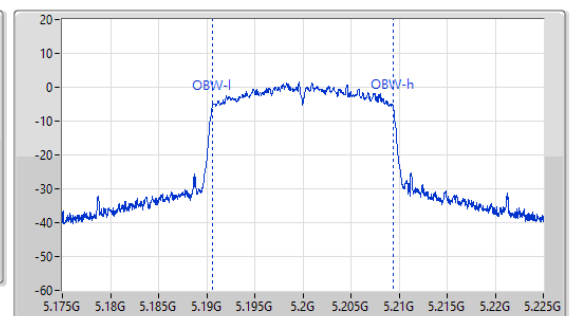
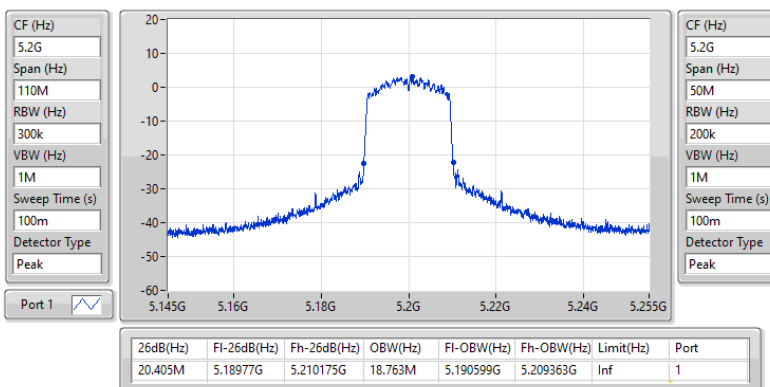
5180MHz



5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

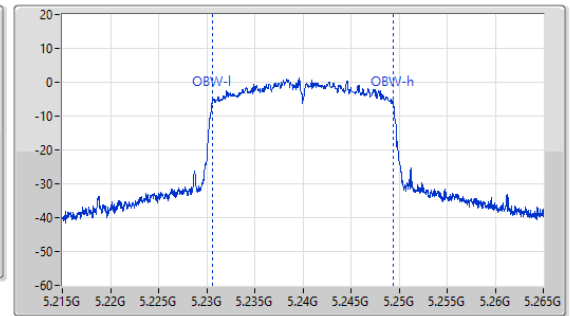
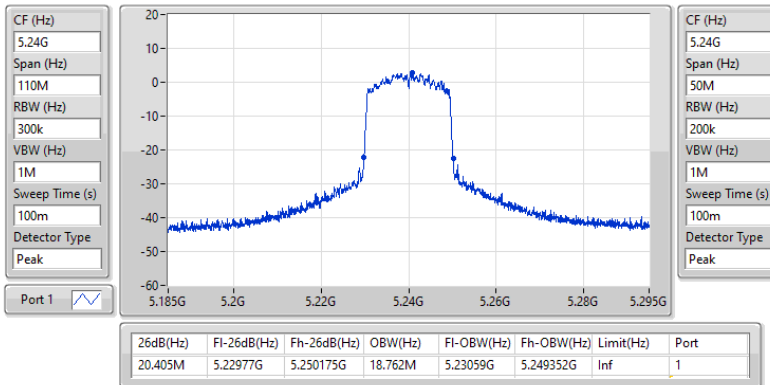
5200MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

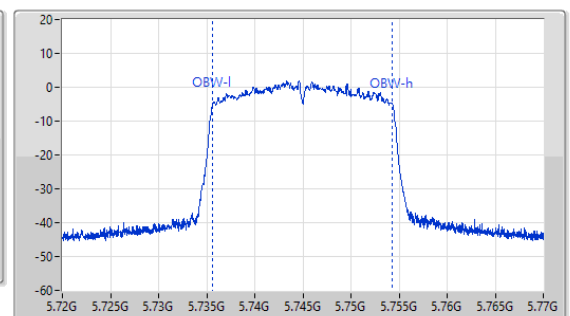
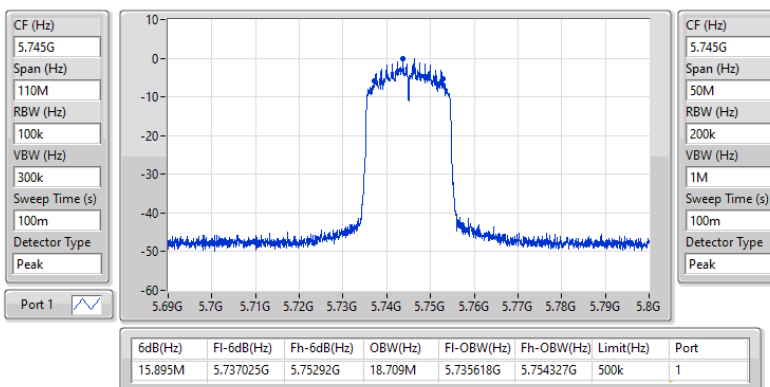
5240MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

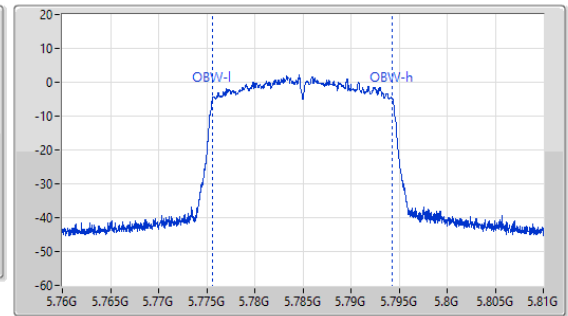
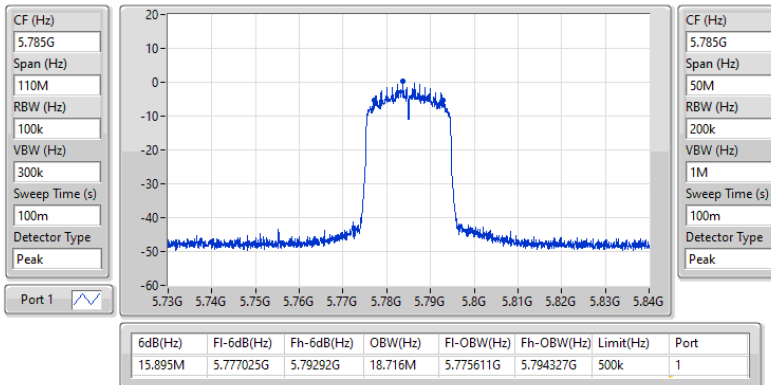
5745MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

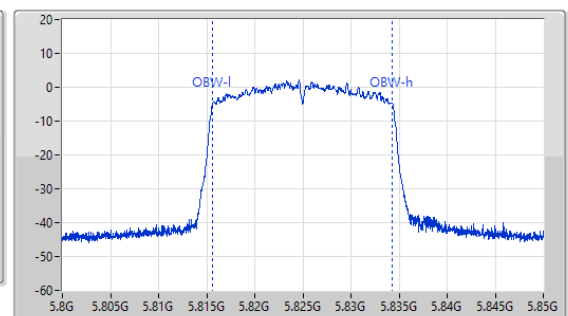
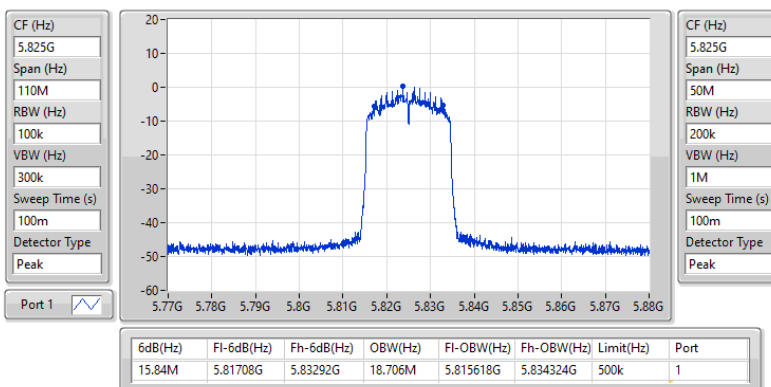
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

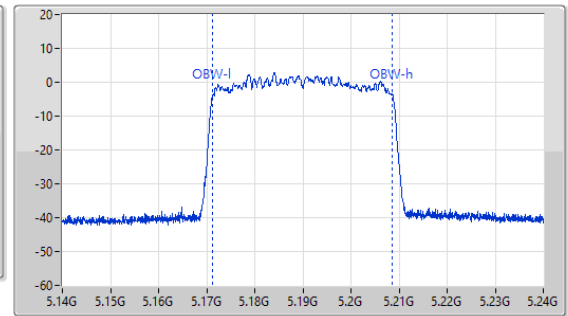
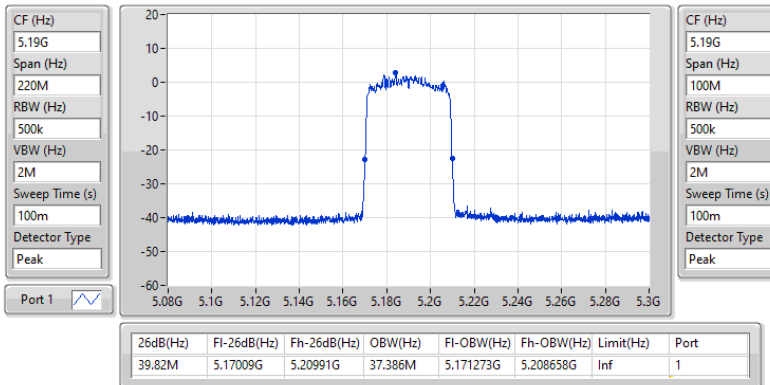
5825MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

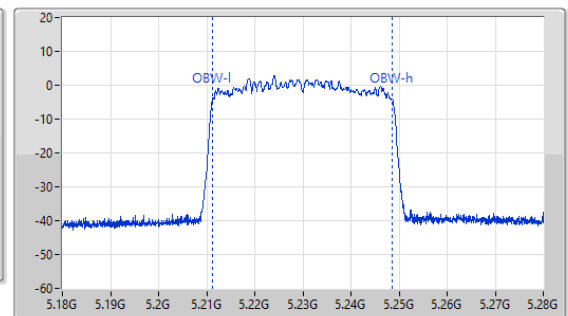
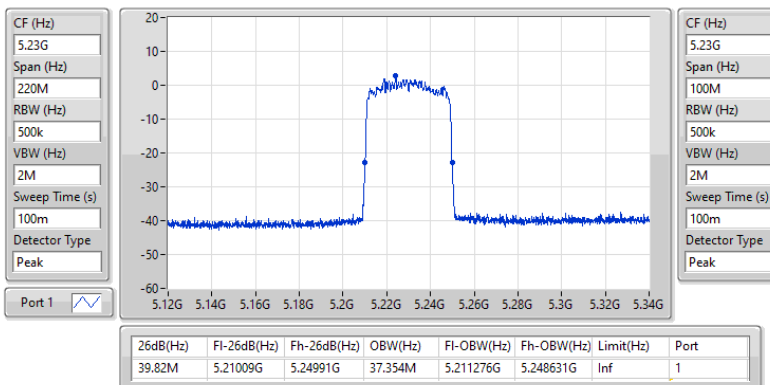
5190MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

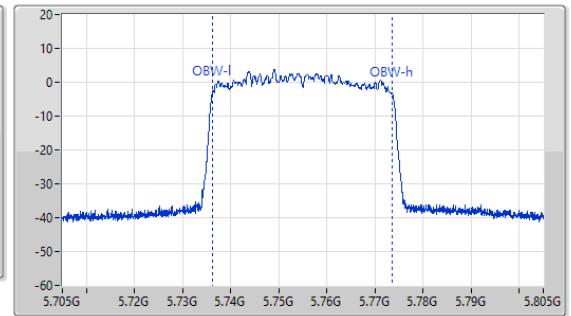
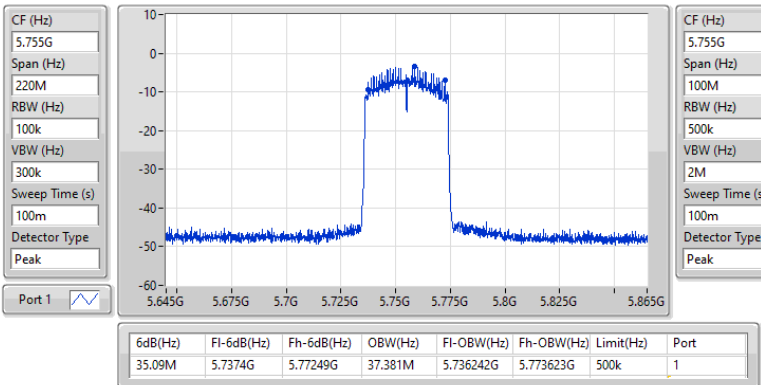
5230MHz



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

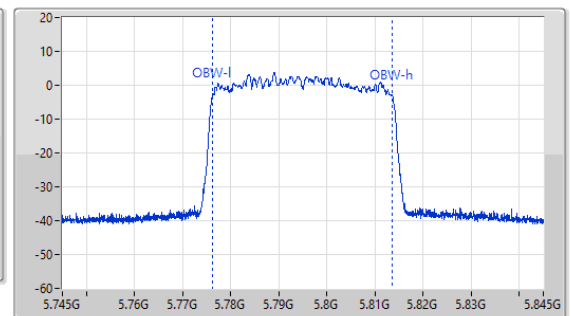
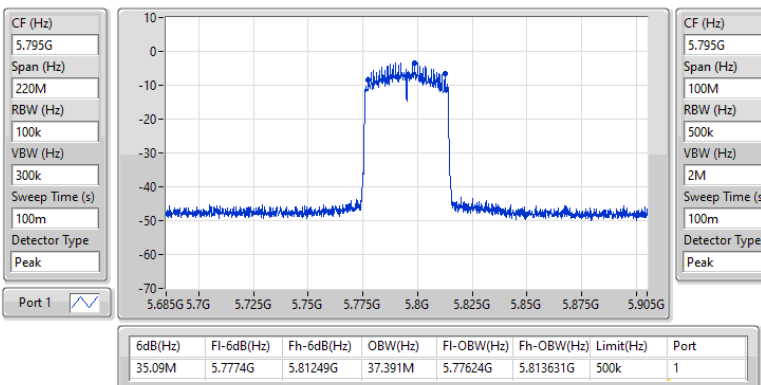
5755MHz



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5795MHz

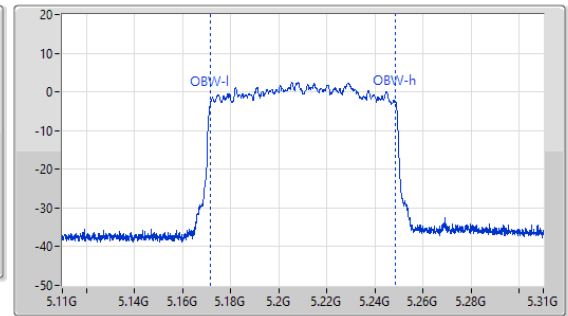
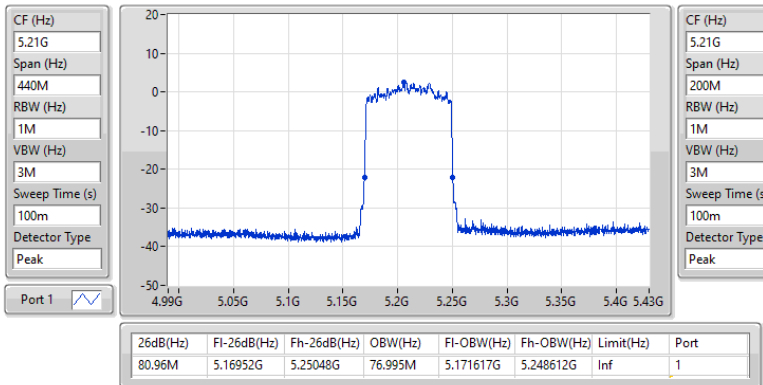




5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

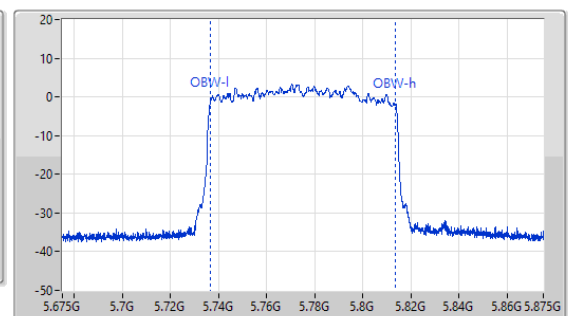
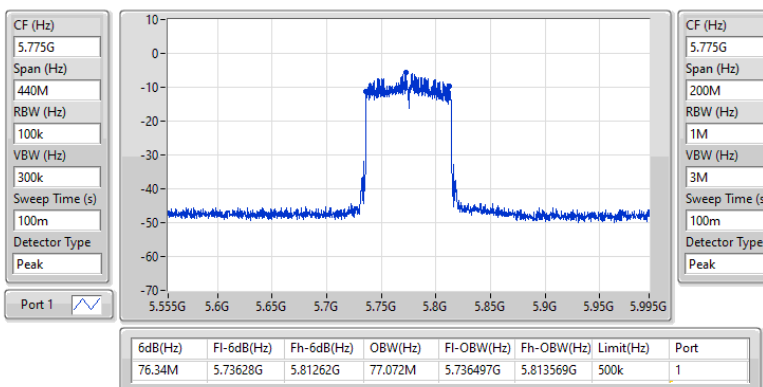
5210MHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5775MHz



Configuration 1: AP Radio
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.79	0.04775	19.31	0.08531
802.11ax HEW20_Nss1,(MCS0)_2TX	17.16	0.05200	19.68	0.09290
802.11ax HEW40_Nss1,(MCS0)_2TX	19.46	0.08831	21.98	0.15776
802.11ax HEW80_Nss1,(MCS0)_2TX	16.70	0.04677	19.22	0.08356
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.21	0.41783	29.88	0.97275
802.11ax HEW20_Nss1,(MCS0)_2TX	26.09	0.40644	29.76	0.94624
802.11ax HEW40_Nss1,(MCS0)_2TX	26.28	0.42462	29.95	0.98855
802.11ax HEW80_Nss1,(MCS0)_2TX	21.67	0.14689	25.34	0.34198

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.52	13.51	13.57	16.55	30.00	19.07	36.00
5200MHz	Pass	2.52	13.49	13.54	16.53	30.00	19.05	36.00
5240MHz	Pass	2.52	13.75	13.81	16.79	30.00	19.31	36.00
5745MHz	Pass	3.67	23.14	23.24	26.20	30.00	29.87	36.00
5785MHz	Pass	3.67	23.17	23.23	26.21	30.00	29.88	36.00
5825MHz	Pass	3.67	23.14	23.21	26.19	30.00	29.86	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.52	14.06	14.11	17.10	30.00	19.62	36.00
5200MHz	Pass	2.52	14.09	14.15	17.13	30.00	19.65	36.00
5240MHz	Pass	2.52	14.13	14.17	17.16	30.00	19.68	36.00
5745MHz	Pass	3.67	23.01	23.07	26.05	30.00	29.72	36.00
5785MHz	Pass	3.67	23.03	23.12	26.09	30.00	29.76	36.00
5825MHz	Pass	3.67	23.01	23.03	26.03	30.00	29.70	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.52	16.2	16.39	19.31	30.00	21.83	36.00
5230MHz	Pass	2.52	16.41	16.48	19.46	30.00	21.98	36.00
5755MHz	Pass	3.67	23.14	23.39	26.28	30.00	29.95	36.00
5795MHz	Pass	3.67	22.72	22.81	25.78	30.00	29.45	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.52	13.61	13.76	16.70	30.00	19.22	36.00
5775MHz	Pass	3.67	18.64	18.68	21.67	30.00	25.34	36.00

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

Configuration 2: MB Radio
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	9.89	0.00975	14.14	0.02594
802.11ax HEW20_Nss1,(MCS0)_1TX	9.71	0.00935	13.96	0.02489
802.11ax HEW40_Nss1,(MCS0)_1TX	9.76	0.00946	14.01	0.02518
802.11ax HEW80_Nss1,(MCS0)_1TX	10.06	0.01014	14.31	0.02698
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	10.46	0.01112	11.27	0.01340
802.11ax HEW20_Nss1,(MCS0)_1TX	10.35	0.01084	11.16	0.01306
802.11ax HEW40_Nss1,(MCS0)_1TX	10.43	0.01104	11.24	0.01330
802.11ax HEW80_Nss1,(MCS0)_1TX	10.46	0.01112	11.27	0.01340

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.25	9.82	9.82	30.00	14.07	36.00
5200MHz	Pass	4.25	9.89	9.89	30.00	14.14	36.00
5240MHz	Pass	4.25	9.61	9.61	30.00	13.86	36.00
5745MHz	Pass	0.81	10.36	10.36	30.00	11.17	36.00
5785MHz	Pass	0.81	10.41	10.41	30.00	11.22	36.00
5825MHz	Pass	0.81	10.46	10.46	30.00	11.27	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.25	9.67	9.67	30.00	13.92	36.00
5200MHz	Pass	4.25	9.71	9.71	30.00	13.96	36.00
5240MHz	Pass	4.25	9.53	9.53	30.00	13.78	36.00
5745MHz	Pass	0.81	10.31	10.31	30.00	11.12	36.00
5785MHz	Pass	0.81	10.35	10.35	30.00	11.16	36.00
5825MHz	Pass	0.81	10.34	10.34	30.00	11.15	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	4.25	9.76	9.76	30.00	14.01	36.00
5230MHz	Pass	4.25	9.57	9.57	30.00	13.82	36.00
5755MHz	Pass	0.81	10.31	10.31	30.00	11.12	36.00
5795MHz	Pass	0.81	10.43	10.43	30.00	11.24	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	4.25	10.06	10.06	30.00	14.31	36.00
5775MHz	Pass	0.81	10.46	10.46	30.00	11.27	36.00

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

Configuration 1: AP Radio
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	4.30	9.38
802.11ax HEW20_Nss1,(MCS0)_2TX	4.19	9.27
802.11ax HEW40_Nss1,(MCS0)_2TX	4.33	9.41
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.16	3.92
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.71	18.96
802.11ax HEW20_Nss1,(MCS0)_2TX	11.75	18.00
802.11ax HEW40_Nss1,(MCS0)_2TX	9.86	16.11
802.11ax HEW80_Nss1,(MCS0)_2TX	2.30	8.55

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.08	1.19	1.28	4.17	17.00	9.25	23.00
5200MHz	Pass	5.08	1.19	1.28	4.13	17.00	9.21	23.00
5240MHz	Pass	5.08	1.37	1.44	4.30	17.00	9.38	23.00
5745MHz	Pass	6.25	9.61	9.83	12.68	29.75	18.93	36.00
5785MHz	Pass	6.25	9.66	9.80	12.71	29.75	18.96	36.00
5825MHz	Pass	6.25	9.54	9.67	12.55	29.75	18.80	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.08	1.15	1.18	4.16	17.00	9.24	23.00
5200MHz	Pass	5.08	1.12	1.23	4.13	17.00	9.21	23.00
5240MHz	Pass	5.08	1.25	1.29	4.19	17.00	9.27	23.00
5745MHz	Pass	6.25	8.59	8.80	11.65	29.75	17.90	36.00
5785MHz	Pass	6.25	8.76	8.91	11.75	29.75	18.00	36.00
5825MHz	Pass	6.25	8.58	8.70	11.63	29.75	17.88	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.08	1.09	1.35	4.16	17.00	9.24	23.00
5230MHz	Pass	5.08	1.39	1.49	4.33	17.00	9.41	23.00
5755MHz	Pass	6.25	6.79	7.05	9.86	29.75	16.11	36.00
5795MHz	Pass	6.25	6.27	6.33	9.27	29.75	15.52	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.08	-4.17	-3.97	-1.16	17.00	3.92	23.00
5775MHz	Pass	6.25	-0.61	-0.70	2.30	29.75	8.55	36.00

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

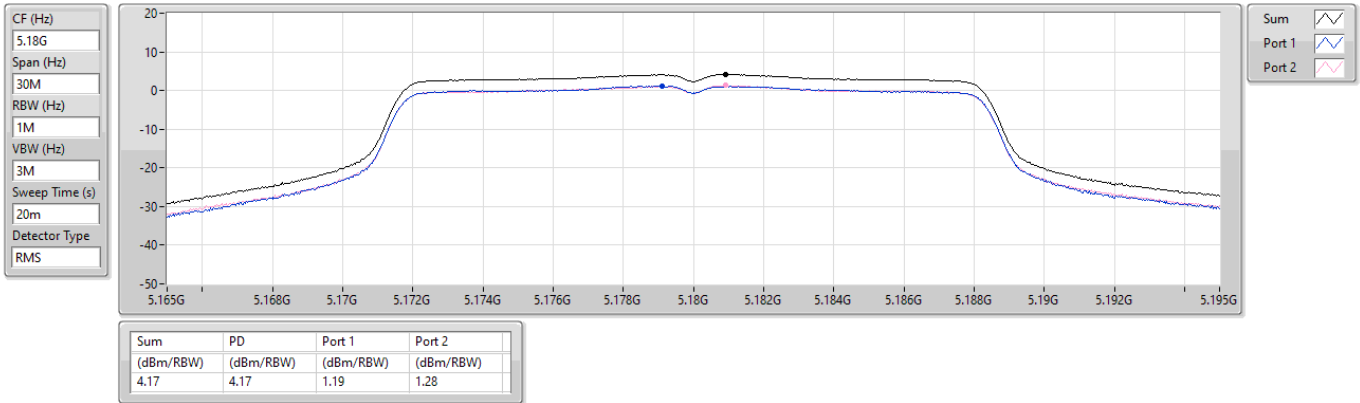
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Directional gain refers to antenna datasheet.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

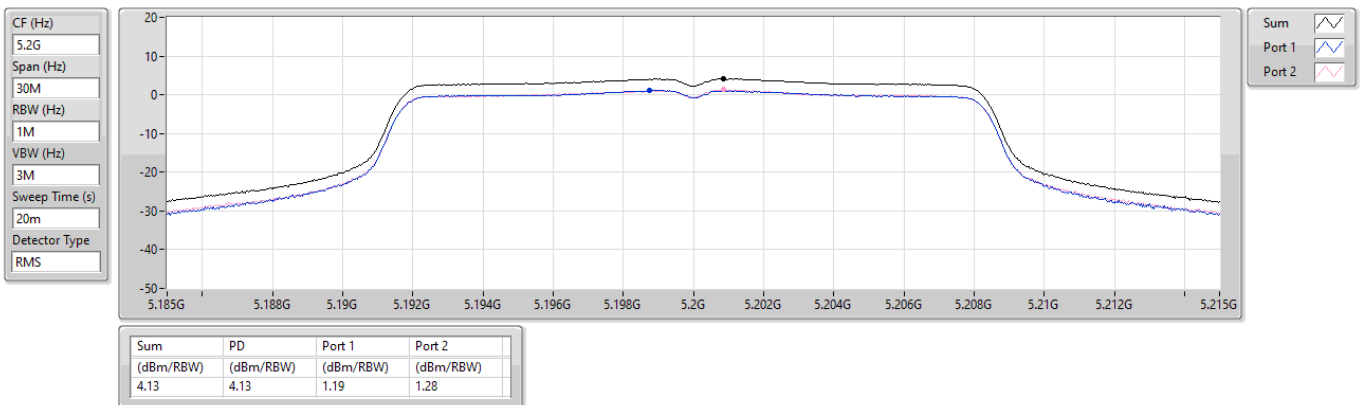
5180MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

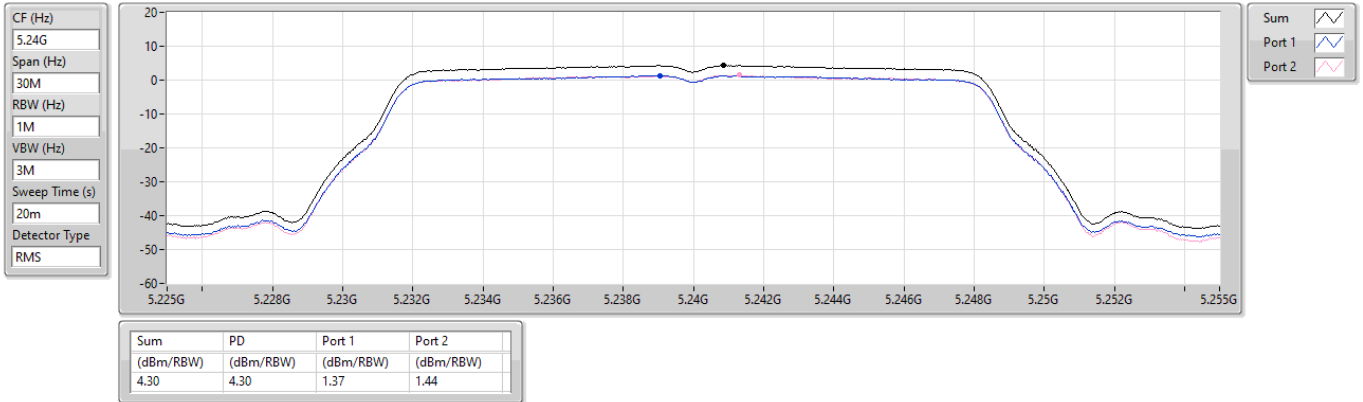
5200MHz



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

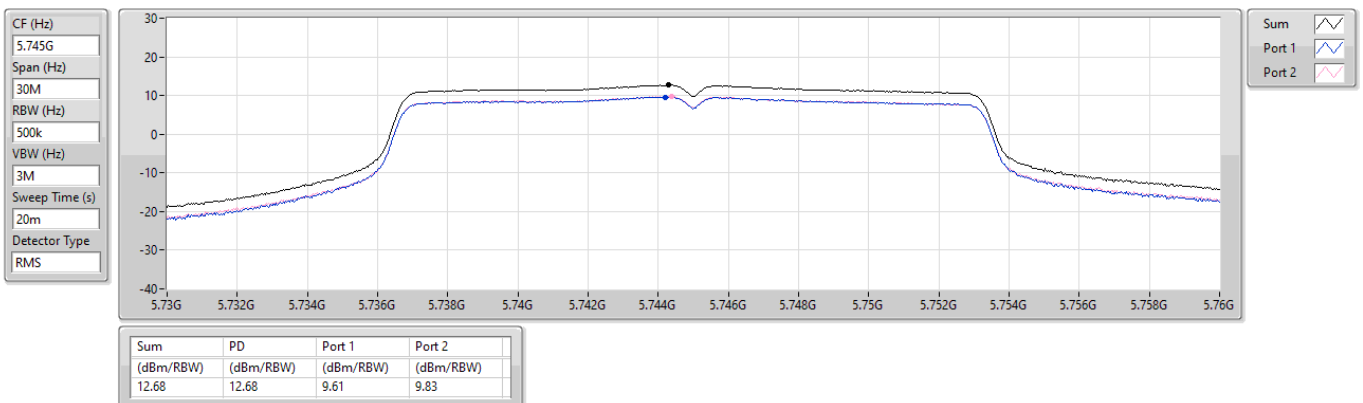
5240MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

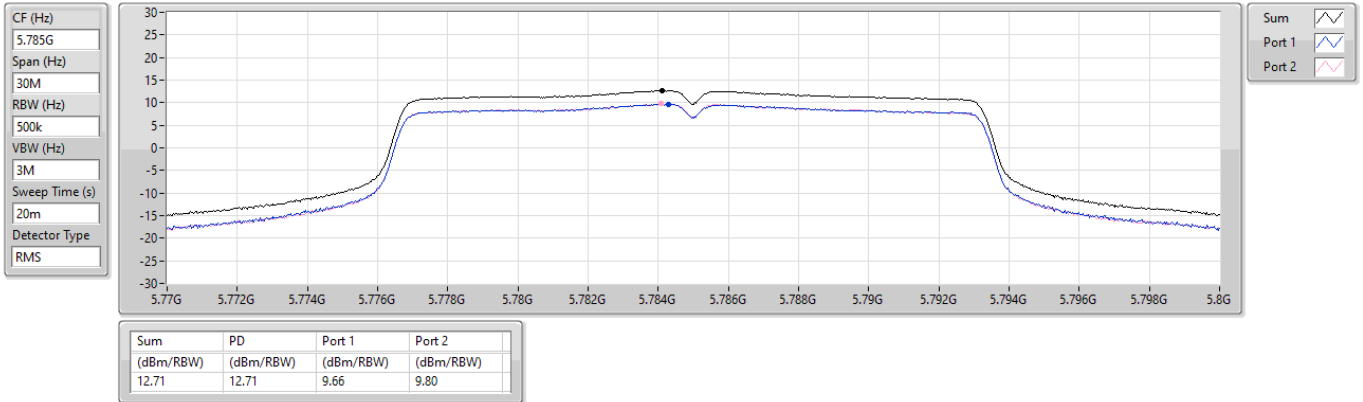
5745MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

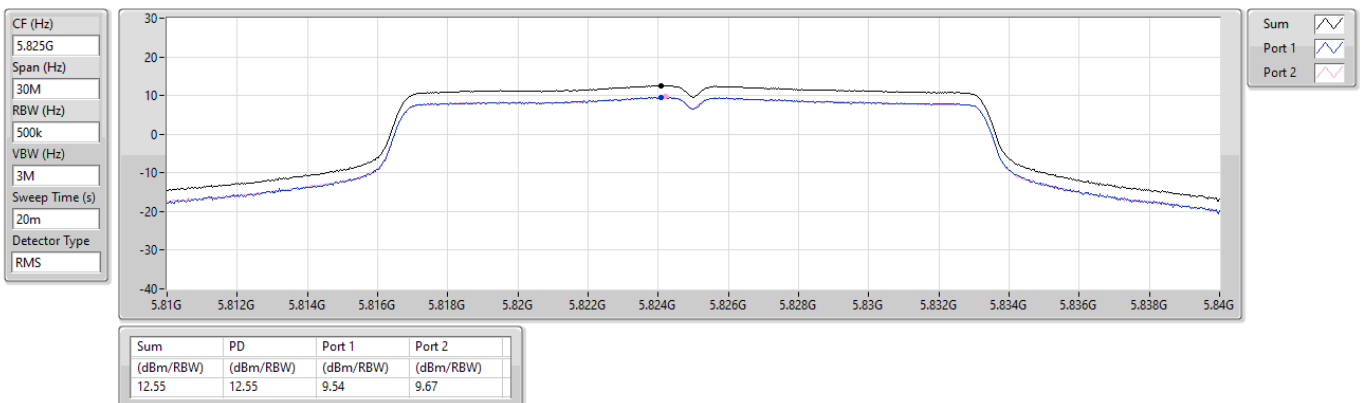
5785MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

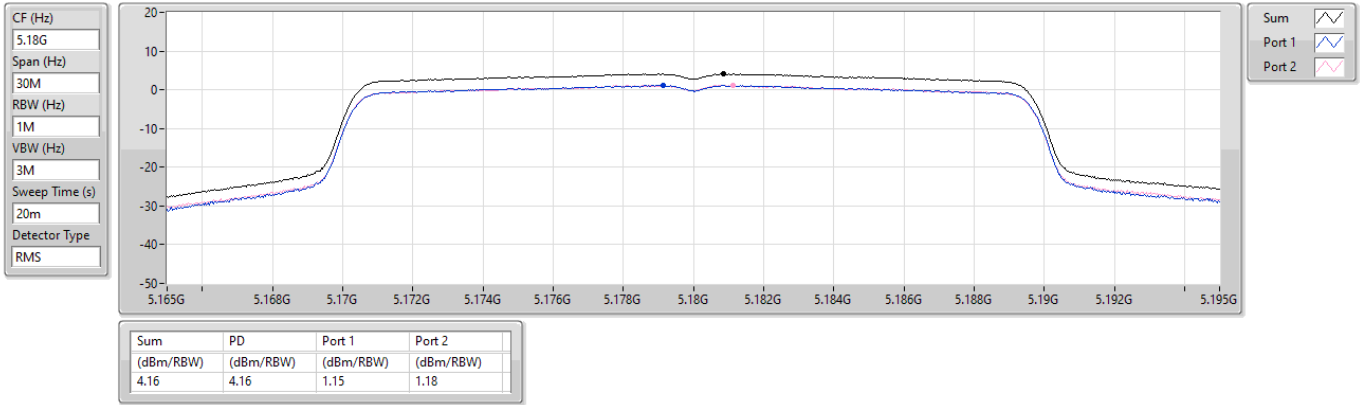
5825MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

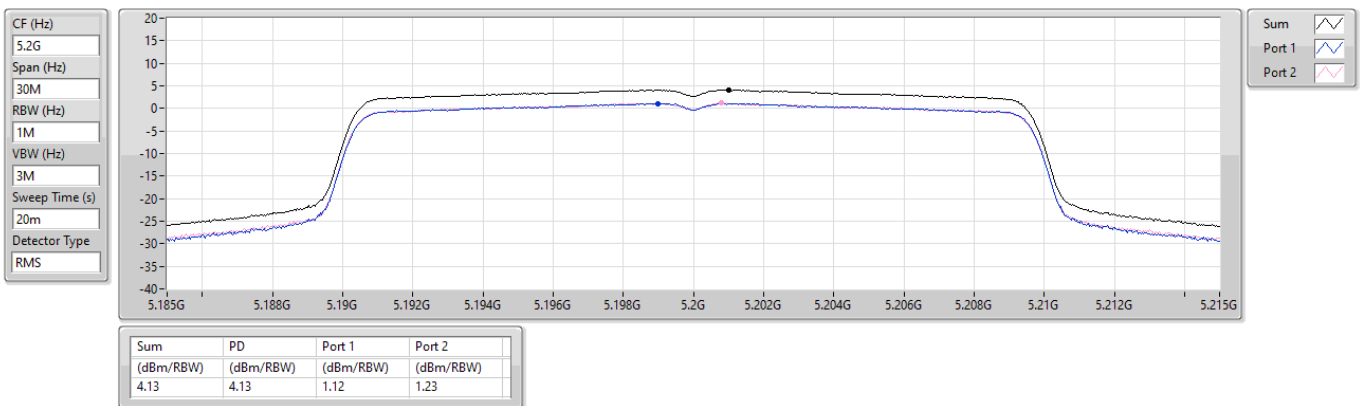
5180MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

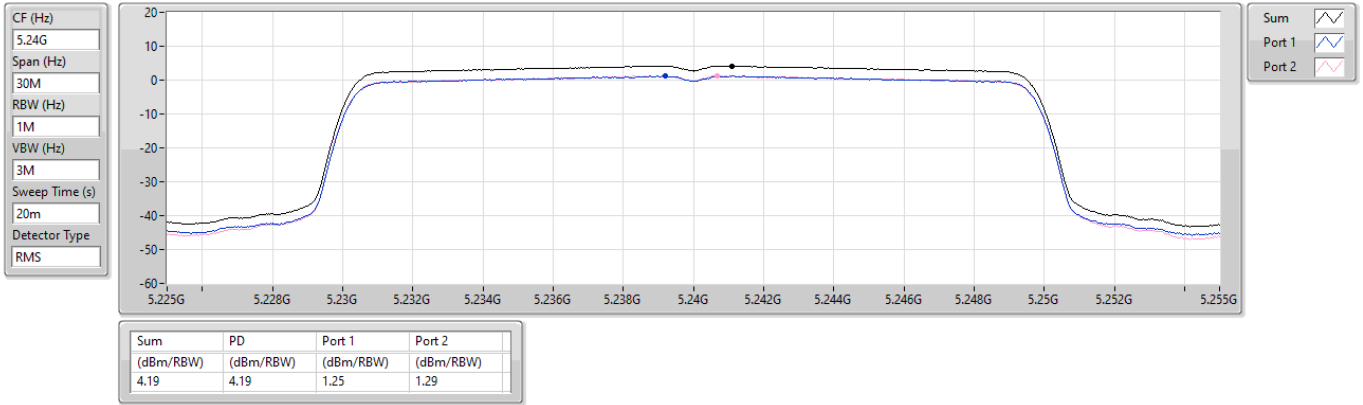
5200MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

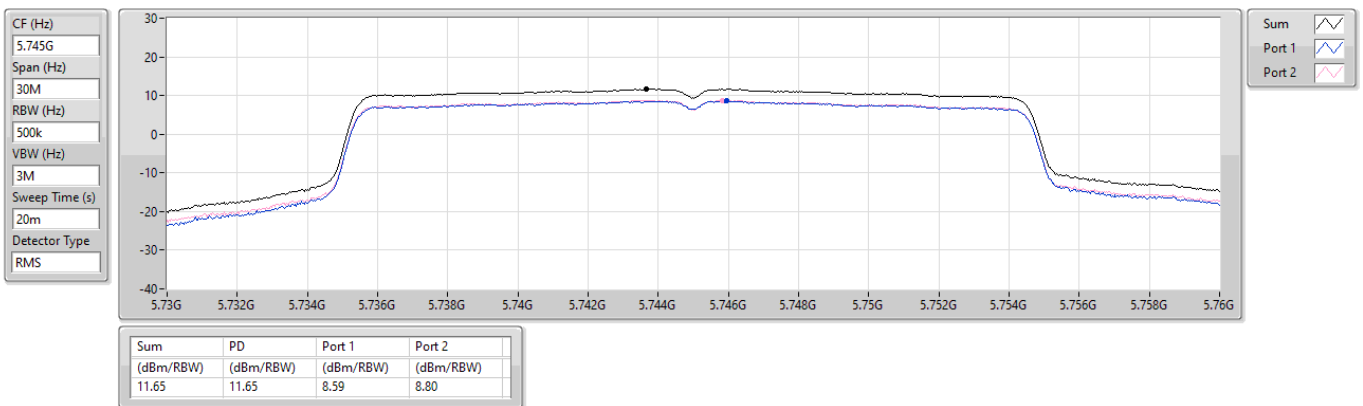
5240MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

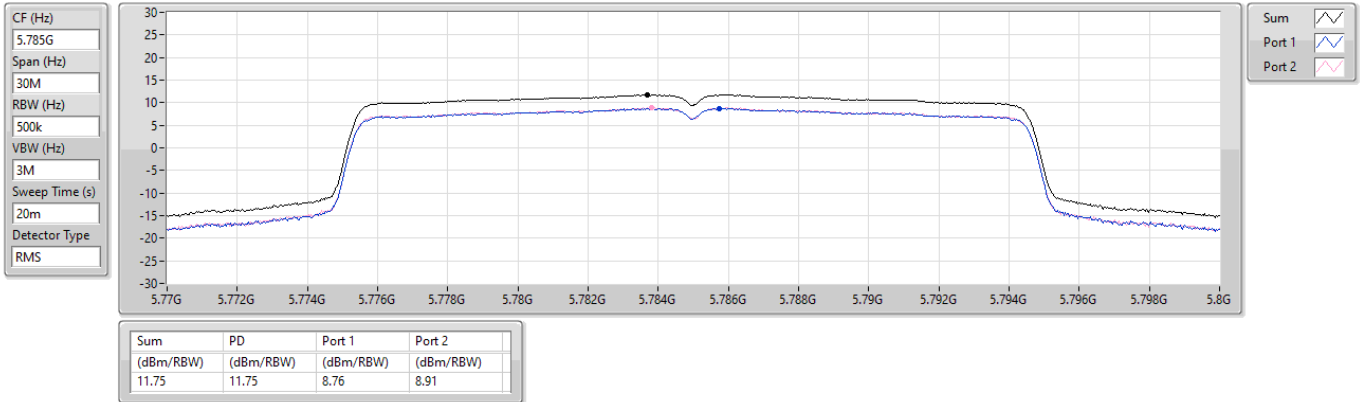
5745MHz



5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

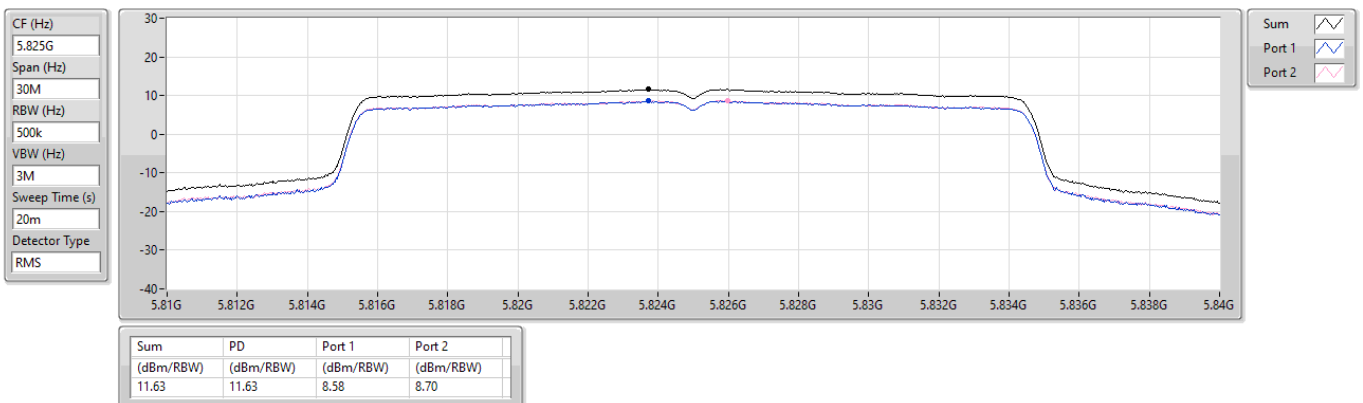
5785MHz



5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

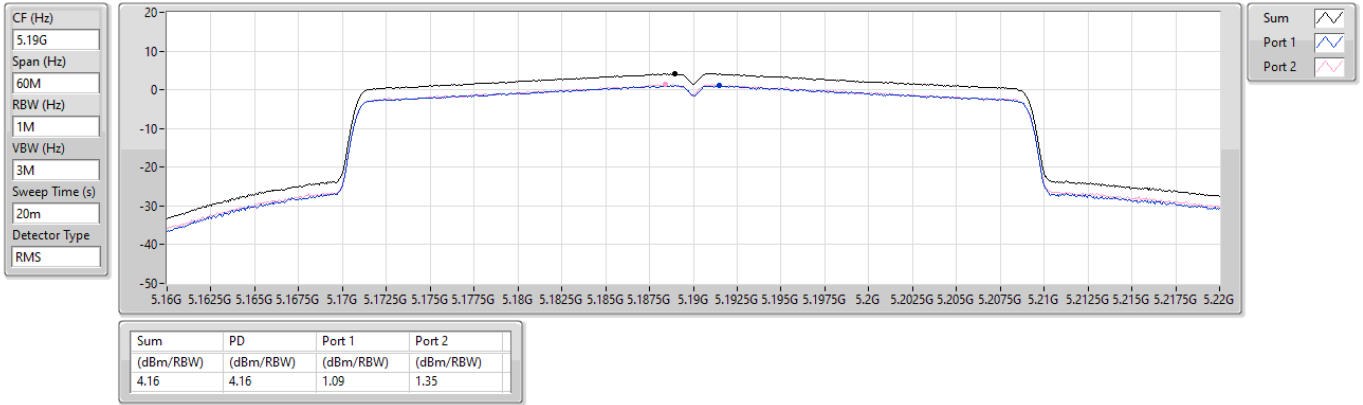
5825MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

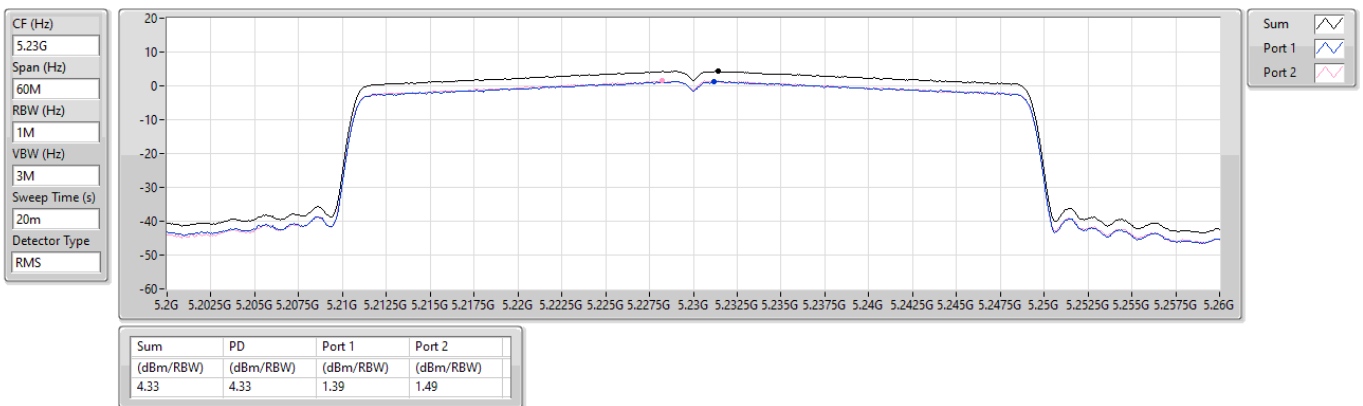
5190MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

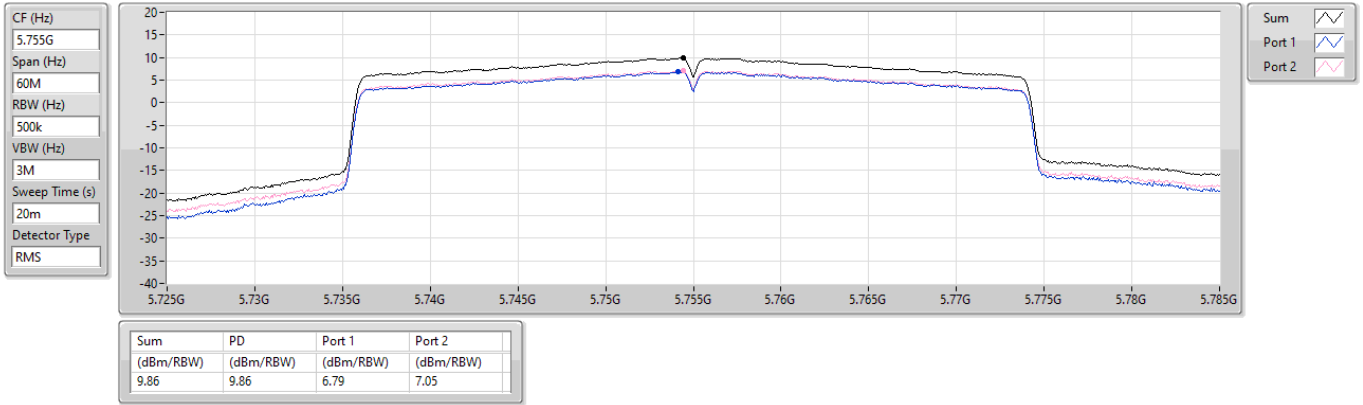
5230MHz



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

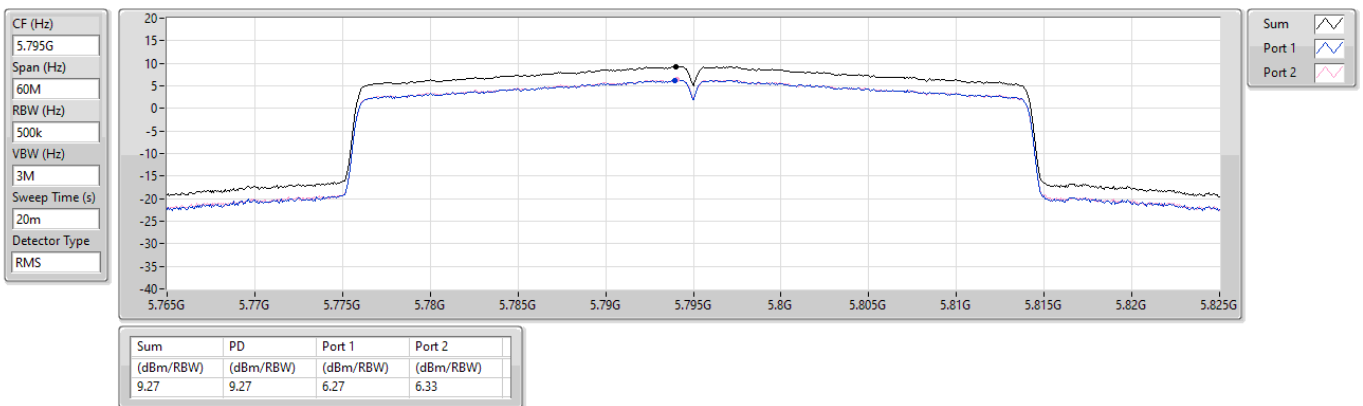
5755MHz



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

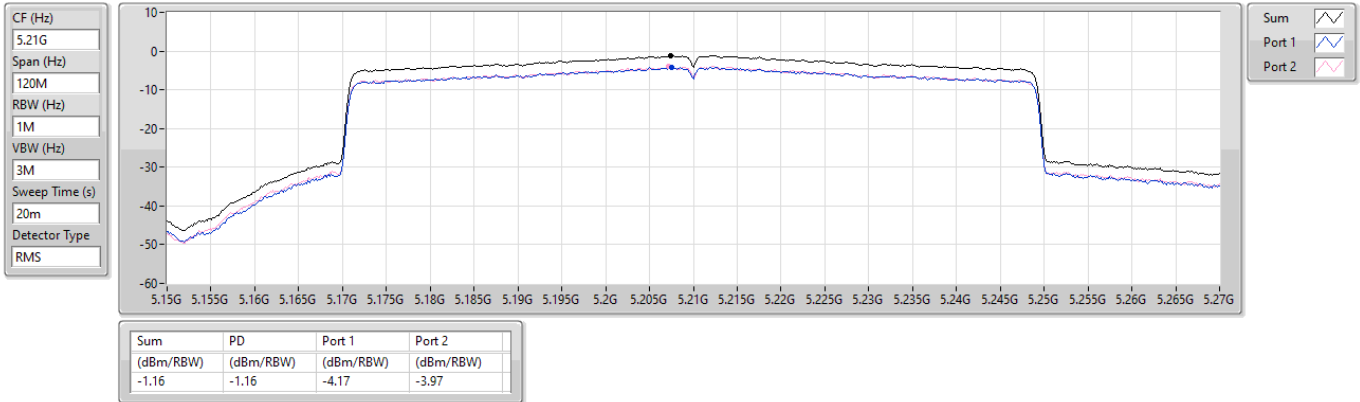
5795MHz



5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

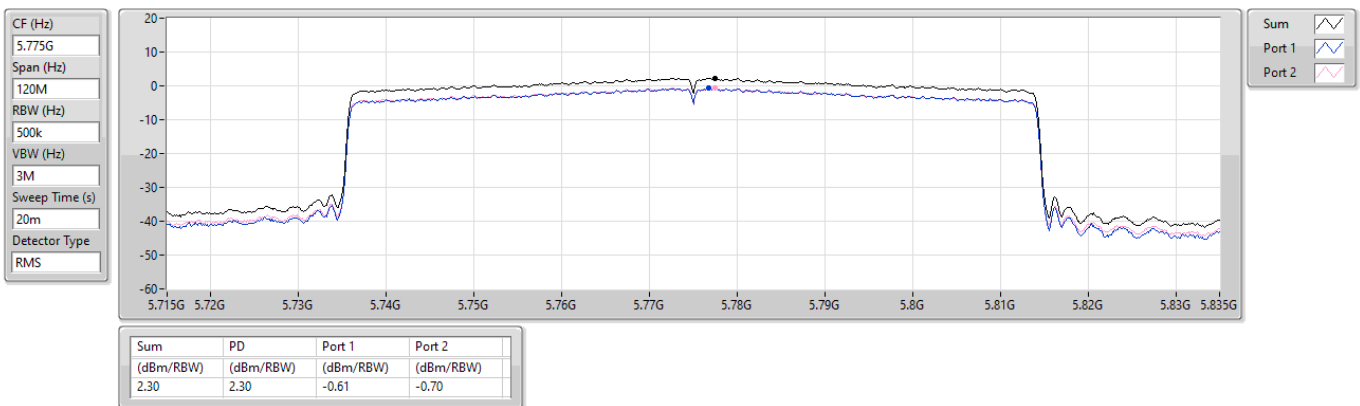
5210MHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz



Configuration 2: MB Radio
Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-1.90	2.35
802.11ax HEW20_Nss1,(MCS0)_1TX	-2.15	2.10
802.11ax HEW40_Nss1,(MCS0)_1TX	-5.55	-1.30
802.11ax HEW80_Nss1,(MCS0)_1TX	-8.27	-4.02
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	-2.53	-1.72
802.11ax HEW20_Nss1,(MCS0)_1TX	-3.01	-2.20
802.11ax HEW40_Nss1,(MCS0)_1TX	-6.19	-5.38
802.11ax HEW80_Nss1,(MCS0)_1TX	-8.88	-8.07

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX							
5180MHz	Pass	4.25	-2.15	-2.15	17.00	2.10	23.00
5200MHz	Pass	4.25	-1.90	-1.90	17.00	2.35	23.00
5240MHz	Pass	4.25	-2.19	-2.19	17.00	2.06	23.00
5745MHz	Pass	0.81	-2.67	-2.67	30.00	-1.86	36.00
5785MHz	Pass	0.81	-2.53	-2.53	30.00	-1.72	36.00
5825MHz	Pass	0.81	-2.53	-2.53	30.00	-1.72	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX							
5180MHz	Pass	4.25	-2.45	-2.45	17.00	1.80	23.00
5200MHz	Pass	4.25	-2.15	-2.15	17.00	2.10	23.00
5240MHz	Pass	4.25	-2.45	-2.45	17.00	1.80	23.00
5745MHz	Pass	0.81	-3.12	-3.12	30.00	-2.31	36.00
5785MHz	Pass	0.81	-3.01	-3.01	30.00	-2.20	36.00
5825MHz	Pass	0.81	-3.05	-3.05	30.00	-2.24	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX							
5190MHz	Pass	4.25	-5.55	-5.55	17.00	-1.30	23.00
5230MHz	Pass	4.25	-5.77	-5.77	17.00	-1.52	23.00
5755MHz	Pass	0.81	-6.19	-6.19	30.00	-5.38	36.00
5795MHz	Pass	0.81	-6.19	-6.19	30.00	-5.38	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX							
5210MHz	Pass	4.25	-8.27	-8.27	17.00	-4.02	23.00
5775MHz	Pass	0.81	-8.88	-8.88	30.00	-8.07	36.00

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

PD = Power density; Port X = Port X Power Density;

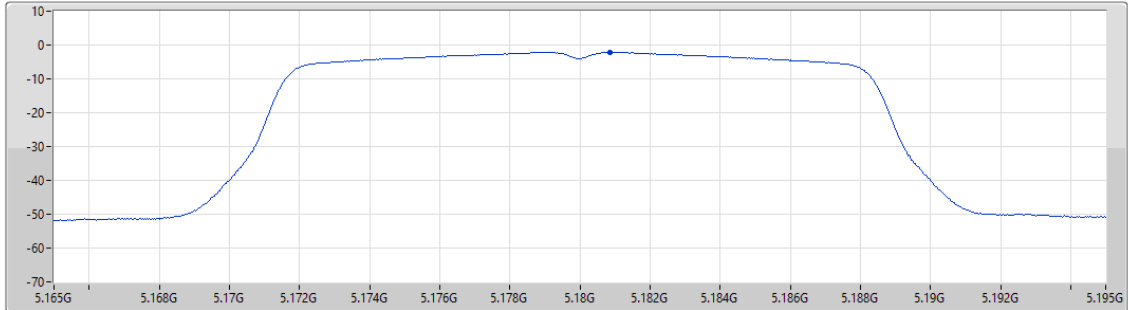


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

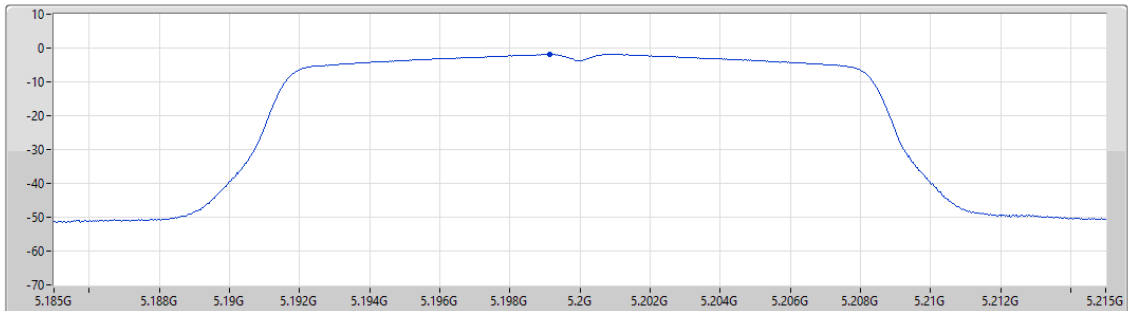
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.15	-2.15	-2.15

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

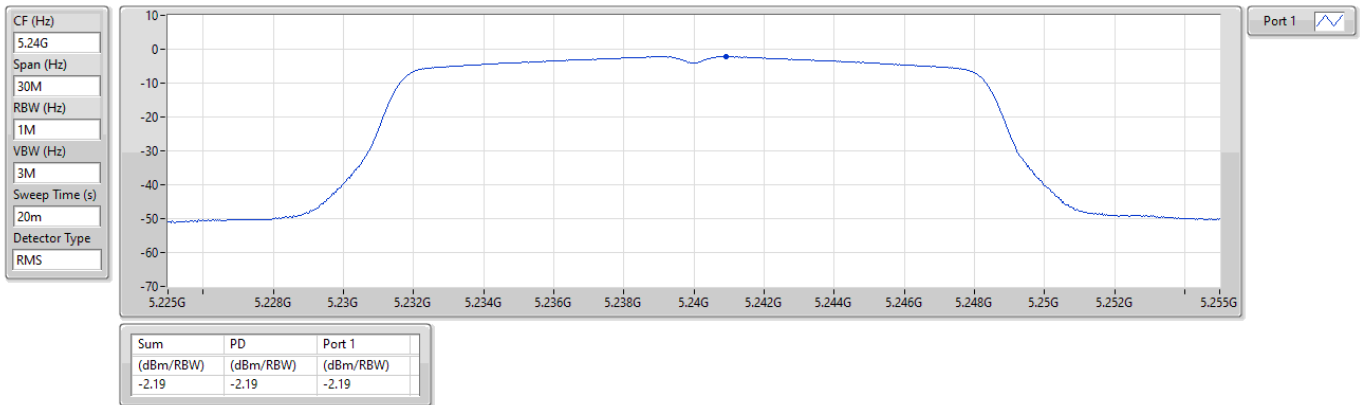
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.90	-1.90	-1.90



5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

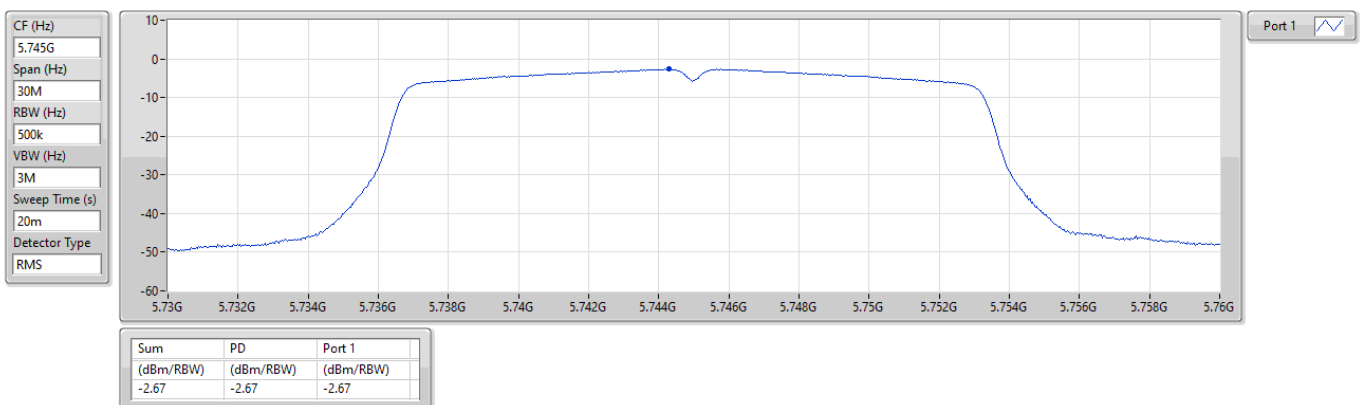
5240MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

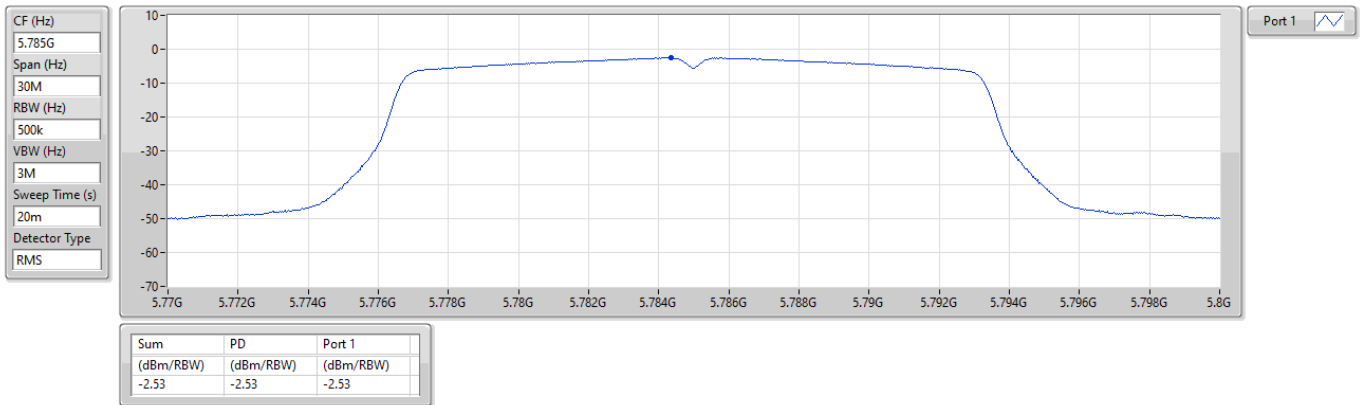




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

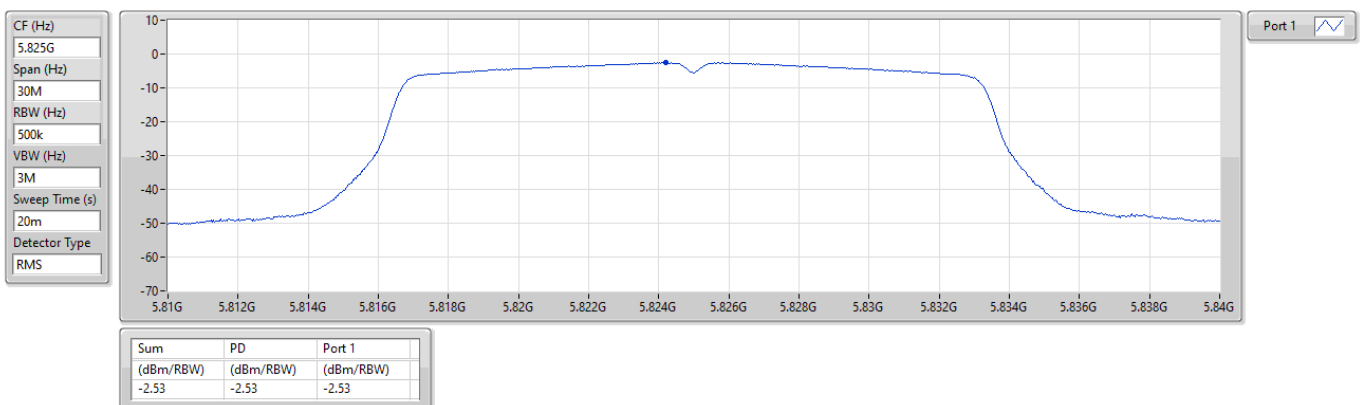
5785MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz



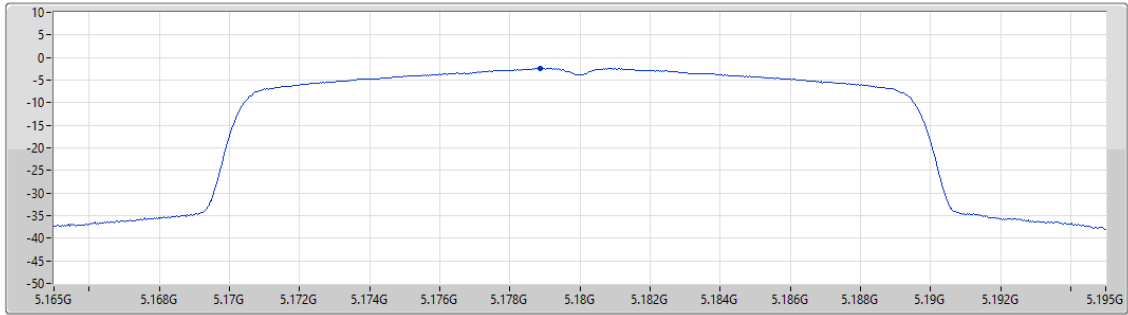


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

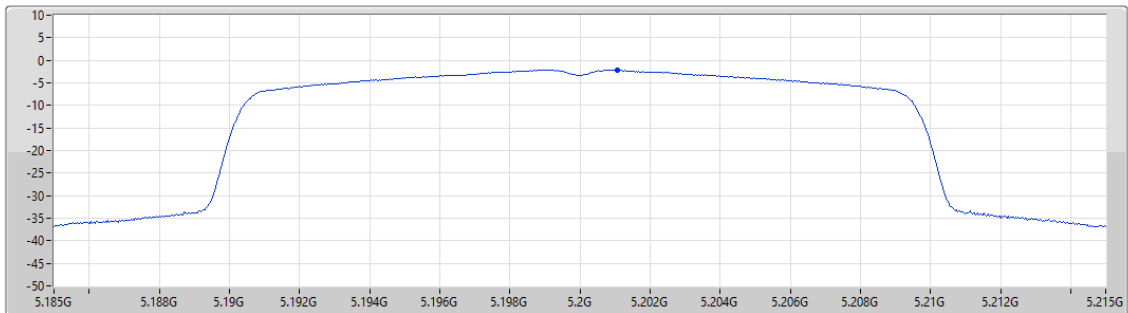
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.45	-2.45	-2.45

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

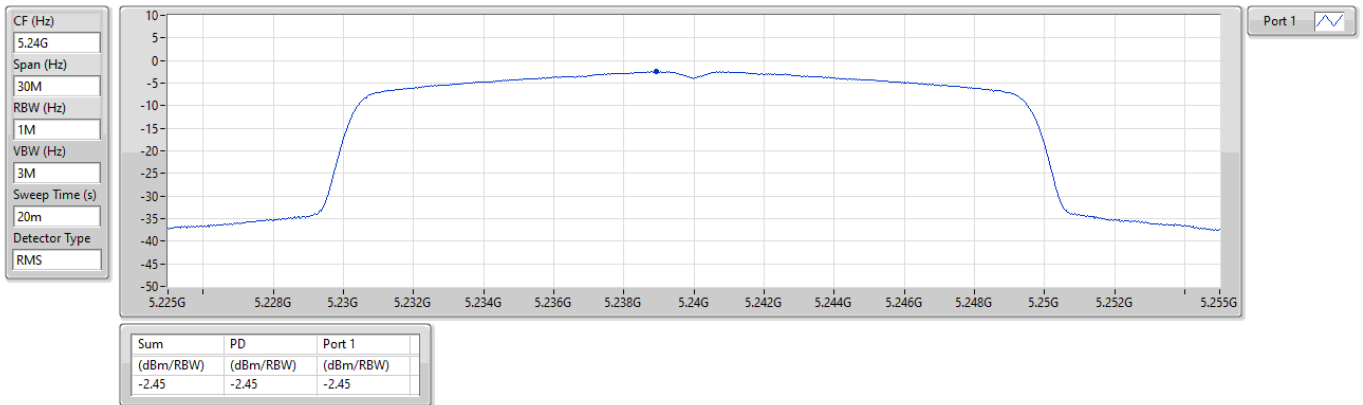
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.15	-2.15	-2.15



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

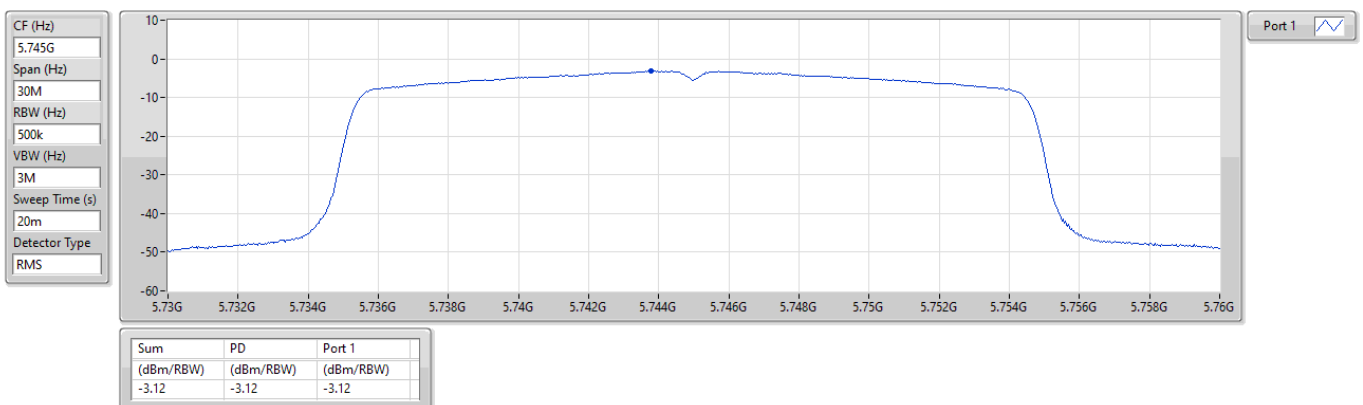
5240MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

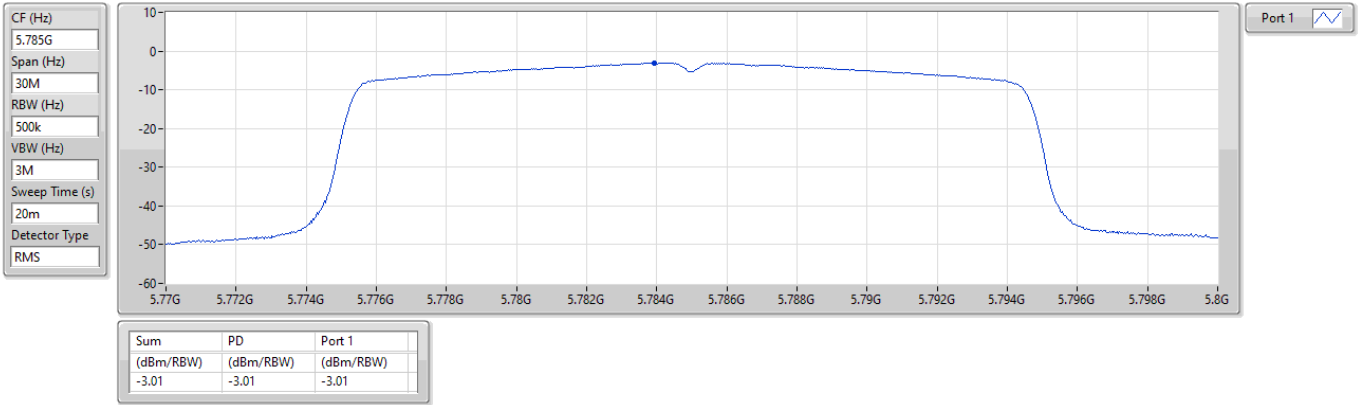




5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

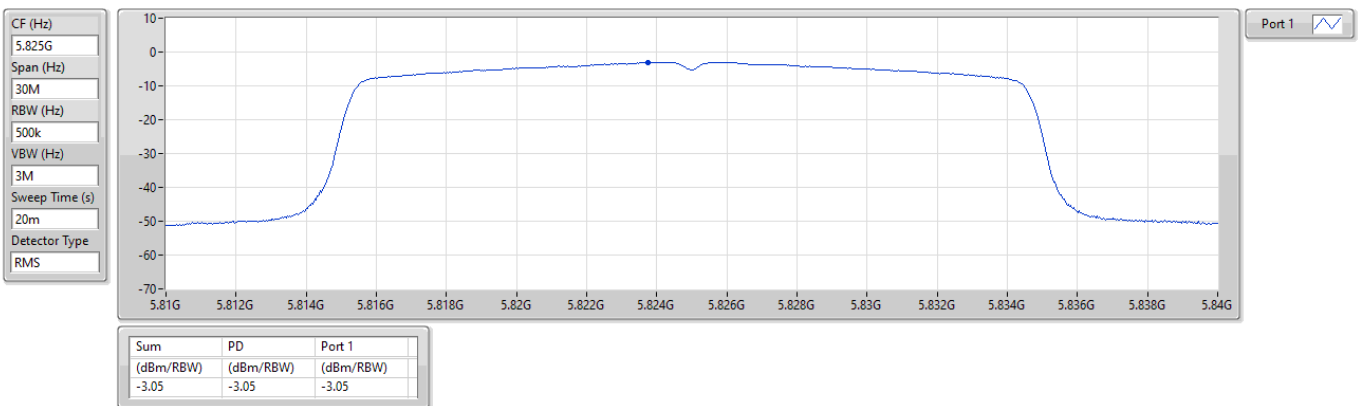
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz



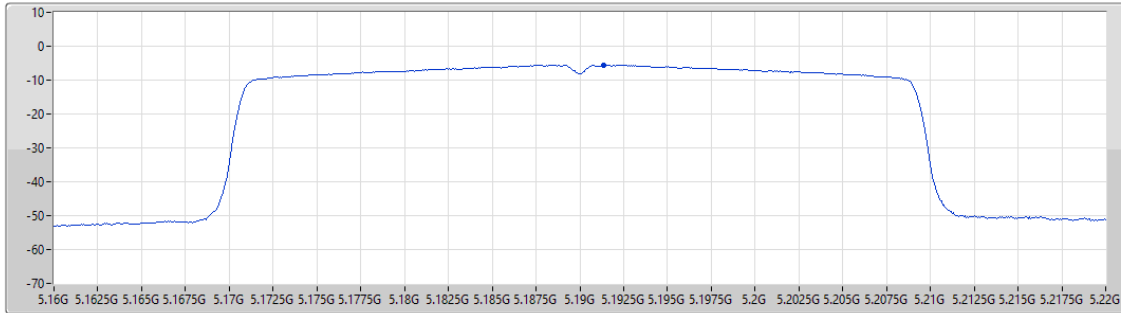


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

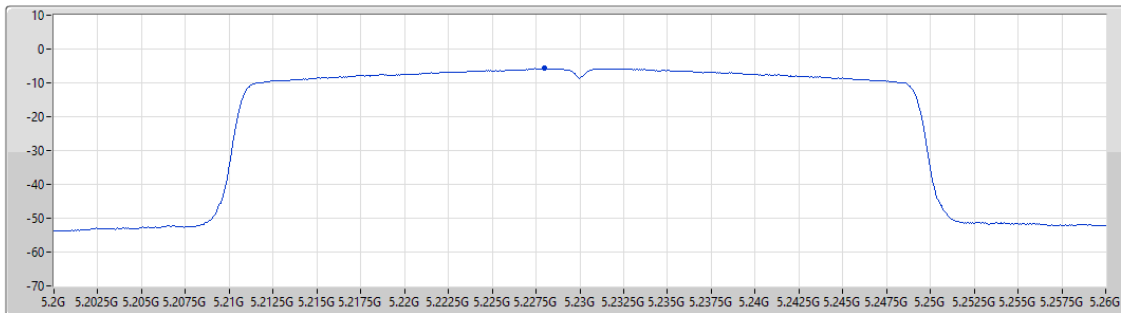
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.55	-5.55	-5.55

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.77	-5.77	-5.77

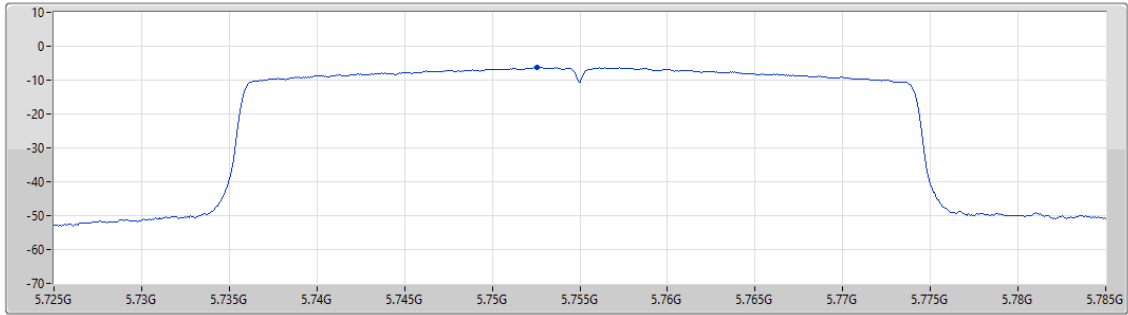


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

CF (Hz)
5.755G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

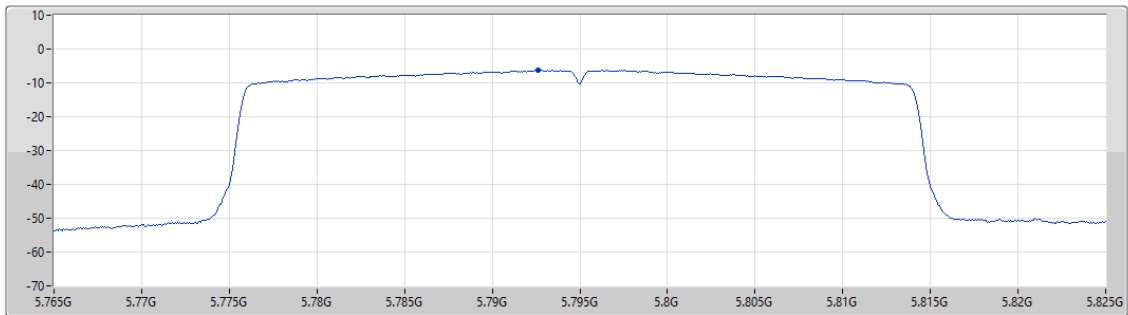
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.19	-6.19	-6.19

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

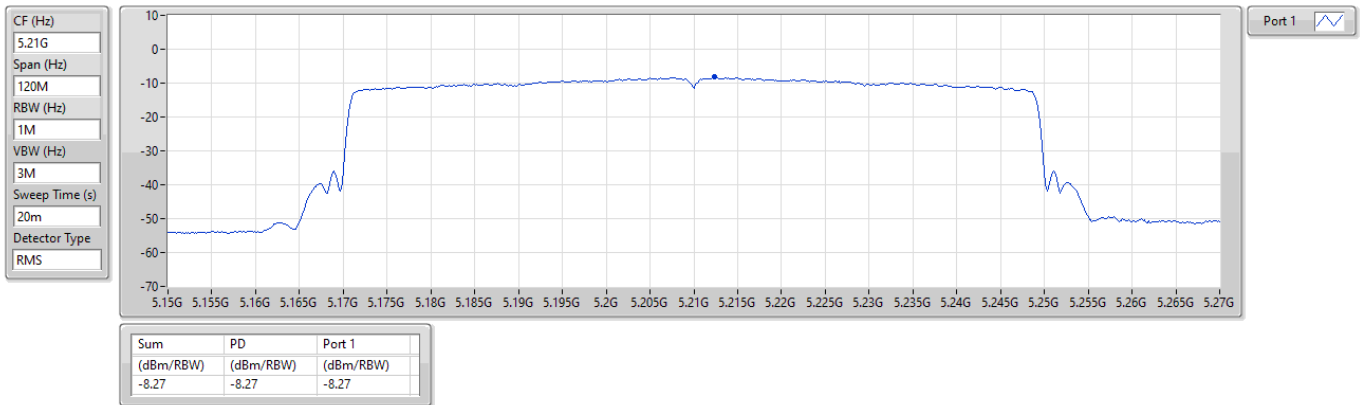
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.19	-6.19	-6.19



5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz



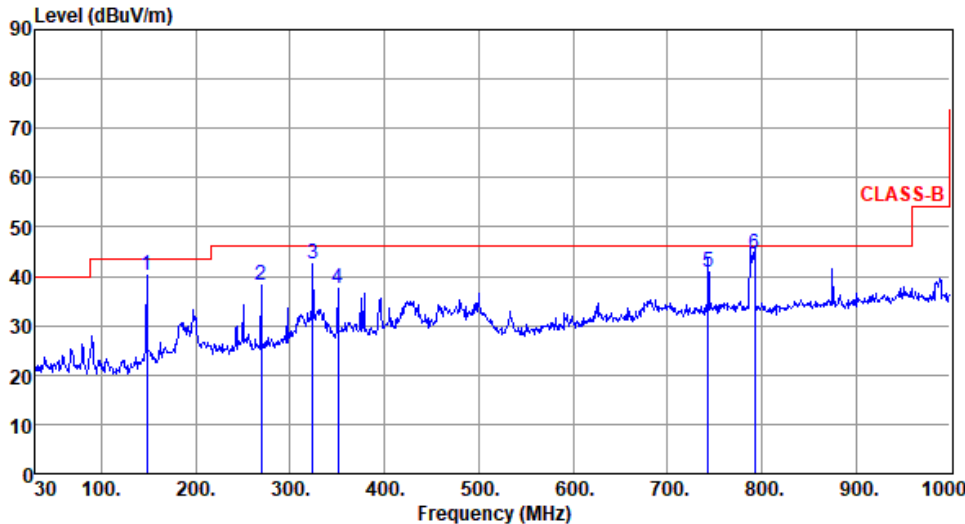


Configuration 1: AP Radio

Unwanted Emissions (Below 1GHz)

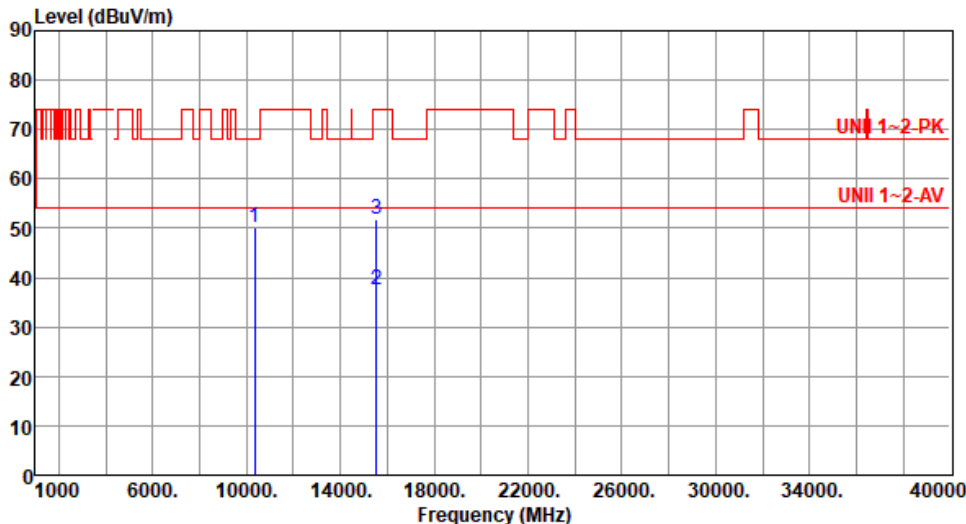
Modulation	ax HE40	Test Freq. (MHz)	5755																																																															
Polarization	Horizontal																																																																	
Test By :Akun Chung Temperature(°C):26 Humidity(%):63																																																																		
Level (dBuV/m) CLASS-B <table><thead><tr><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>39.70</td><td>40.00</td><td>-3.10</td><td>45.81</td><td>-8.91</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>148.34</td><td>43.50</td><td>-7.59</td><td>44.73</td><td>-8.82</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>423.82</td><td>46.00</td><td>-6.19</td><td>44.40</td><td>-4.59</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>458.74</td><td>46.00</td><td>-6.80</td><td>42.85</td><td>-3.65</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>499.48</td><td>46.00</td><td>-4.55</td><td>44.26</td><td>-2.81</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>792.36</td><td>46.00</td><td>-3.12</td><td>39.78</td><td>3.10</td><td>QP</td><td>129</td><td>235</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.				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	39.70	40.00	-3.10	45.81	-8.91	Peak	---	---	2	148.34	43.50	-7.59	44.73	-8.82	Peak	---	---	3	423.82	46.00	-6.19	44.40	-4.59	Peak	---	---	4	458.74	46.00	-6.80	42.85	-3.65	Peak	---	---	5	499.48	46.00	-4.55	44.26	-2.81	Peak	---	---	6	792.36	46.00	-3.12	39.78	3.10	QP	129	235
Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																										
1	39.70	40.00	-3.10	45.81	-8.91	Peak	---	---																																																										
2	148.34	43.50	-7.59	44.73	-8.82	Peak	---	---																																																										
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4	458.74	46.00	-6.80	42.85	-3.65	Peak	---	---																																																										
5	499.48	46.00	-4.55	44.26	-2.81	Peak	---	---																																																										
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Modulation	ax HE40	Test Freq. (MHz)	5755																																																																						
Polarization	Vertical																																																																								
Test By :Akun Chung Temperature(°C):26 Humidity(%):63																																																																									
Level (dBuV/m)  CLASS-B <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>148.26</td><td>40.31</td><td>43.50</td><td>-3.19</td><td>49.13</td><td>-8.82</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>269.55</td><td>38.22</td><td>46.00</td><td>-7.78</td><td>47.25</td><td>-9.03</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>323.91</td><td>42.63</td><td>46.00</td><td>-3.37</td><td>49.88</td><td>-7.25</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>351.07</td><td>37.46</td><td>46.00</td><td>-8.54</td><td>44.26</td><td>-6.80</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>742.95</td><td>40.88</td><td>46.00</td><td>-5.12</td><td>38.43</td><td>2.45</td><td>QP</td><td>100</td><td>168</td></tr><tr><td>6</td><td>792.42</td><td>44.61</td><td>46.00</td><td>-1.39</td><td>41.51</td><td>3.10</td><td>QP</td><td>100</td><td>248</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.					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	148.26	40.31	43.50	-3.19	49.13	-8.82	Peak	---	---	2	269.55	38.22	46.00	-7.78	47.25	-9.03	Peak	---	---	3	323.91	42.63	46.00	-3.37	49.88	-7.25	Peak	---	---	4	351.07	37.46	46.00	-8.54	44.26	-6.80	Peak	---	---	5	742.95	40.88	46.00	-5.12	38.43	2.45	QP	100	168	6	792.42	44.61	46.00	-1.39	41.51	3.10	QP	100	248
	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	148.26	40.31	43.50	-3.19	49.13	-8.82	Peak	---	---																																																																
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5	742.95	40.88	46.00	-5.12	38.43	2.45	QP	100	168																																																																
6	792.42	44.61	46.00	-1.39	41.51	3.10	QP	100	248																																																																



Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>10360.00</td><td>50.22</td><td>68.20</td><td>-17.98</td><td>41.60</td><td>8.62</td><td>Peak</td><td>182</td><td>225</td></tr><tr><td>2</td><td>15540.00</td><td>37.39</td><td>54.00</td><td>-16.61</td><td>31.14</td><td>6.25</td><td>Average</td><td>100</td><td>110</td></tr><tr><td>3</td><td>15540.00</td><td>51.78</td><td>74.00</td><td>-22.22</td><td>45.53</td><td>6.25</td><td>Peak</td><td>100</td><td>110</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	10360.00	50.22	68.20	-17.98	41.60	8.62	Peak	182	225	2	15540.00	37.39	54.00	-16.61	31.14	6.25	Average	100	110	3	15540.00	51.78	74.00	-22.22	45.53	6.25	Peak	100	110
	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	10360.00	50.22	68.20	-17.98	41.60	8.62	Peak	182	225																																		
2	15540.00	37.39	54.00	-16.61	31.14	6.25	Average	100	110																																		
3	15540.00	51.78	74.00	-22.22	45.53	6.25	Peak	100	110																																		



Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) <			



Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			

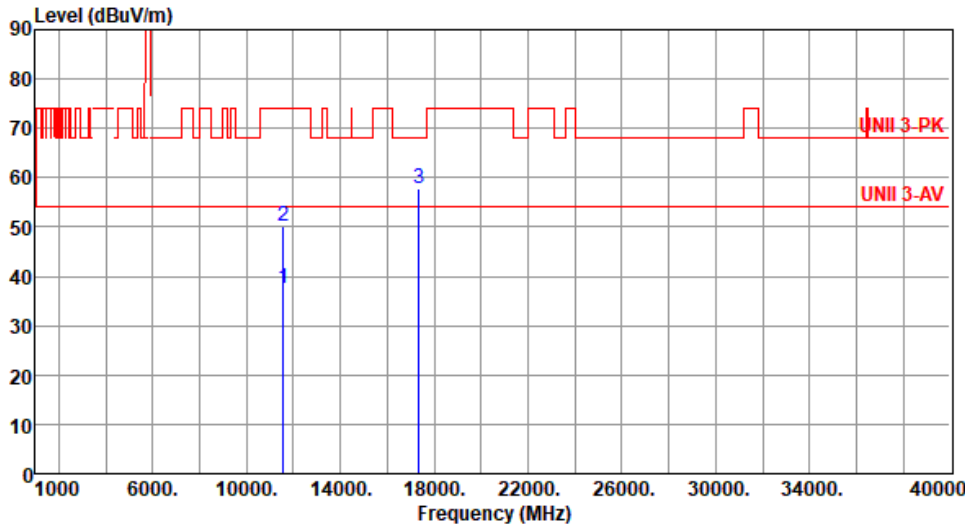


Modulation	11a	Test Freq. (MHz)	5745																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11490.00</td><td>37.77</td><td>54.00</td><td>-16.23</td><td>28.64</td><td>9.13</td><td>Average</td><td>235</td><td>215</td></tr><tr><td>2</td><td>11490.00</td><td>50.77</td><td>74.00</td><td>-23.23</td><td>41.64</td><td>9.13</td><td>Peak</td><td>235</td><td>215</td></tr><tr><td>3</td><td>17235.00</td><td>58.10</td><td>68.20</td><td>-10.10</td><td>49.93</td><td>8.17</td><td>Peak</td><td>284</td><td>176</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11490.00	37.77	54.00	-16.23	28.64	9.13	Average	235	215	2	11490.00	50.77	74.00	-23.23	41.64	9.13	Peak	235	215	3	17235.00	58.10	68.20	-10.10	49.93	8.17	Peak	284	176
	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	11490.00	37.77	54.00	-16.23	28.64	9.13	Average	235	215																																		
2	11490.00	50.77	74.00	-23.23	41.64	9.13	Peak	235	215																																		
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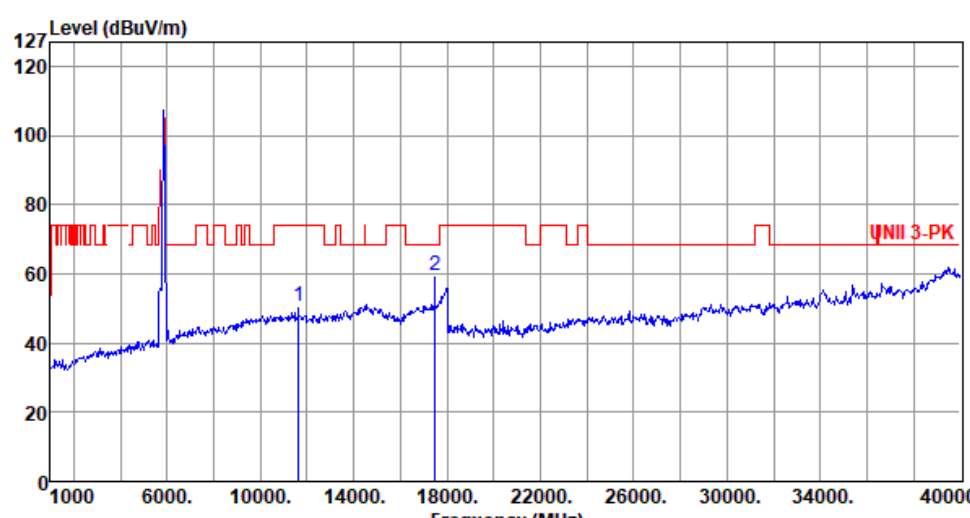


Modulation	11a	Test Freq. (MHz)	5785																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) UNII 3-PK Frequency (MHz) 1000 6000. 10000. 14000. 18000. 22000. 26000. 30000. 34000. 40000 <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11570.00</td><td>38.25</td><td>54.00</td><td>-15.75</td><td>29.31</td><td>8.94</td><td>Average</td><td>301</td><td>113</td></tr><tr><td>2</td><td>11570.00</td><td>51.04</td><td>74.00</td><td>-22.96</td><td>42.10</td><td>8.94</td><td>Peak</td><td>301</td><td>113</td></tr><tr><td>3</td><td>17355.00</td><td>58.60</td><td>68.20</td><td>-9.60</td><td>50.31</td><td>8.29</td><td>Peak</td><td>243</td><td>137</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11570.00	38.25	54.00	-15.75	29.31	8.94	Average	301	113	2	11570.00	51.04	74.00	-22.96	42.10	8.94	Peak	301	113	3	17355.00	58.60	68.20	-9.60	50.31	8.29	Peak	243	137
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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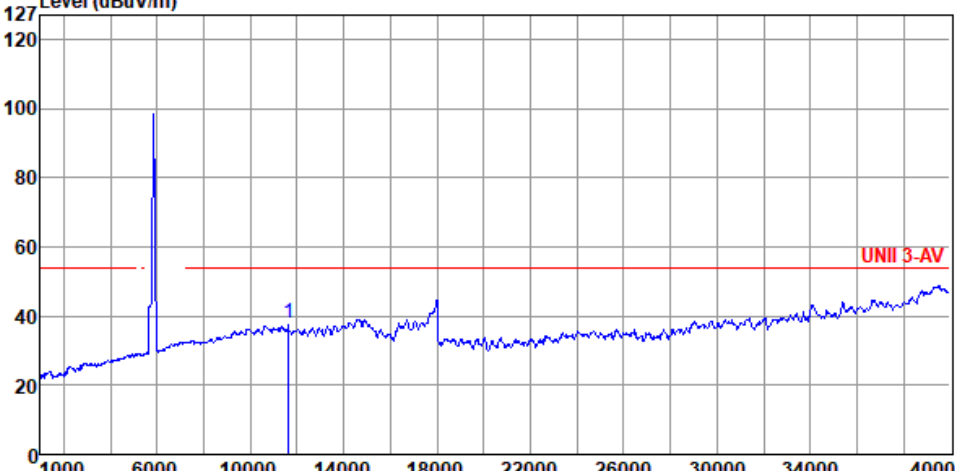


Modulation	11a	Test Freq. (MHz)	5785																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11570.00</td><td>37.44</td><td>54.00</td><td>-16.56</td><td>28.50</td><td>8.94</td><td>Average</td><td>231</td><td>215</td></tr><tr><td>2</td><td>11570.00</td><td>50.22</td><td>74.00</td><td>-23.78</td><td>41.28</td><td>8.94</td><td>Peak</td><td>231</td><td>215</td></tr><tr><td>3</td><td>17355.00</td><td>57.83</td><td>68.20</td><td>-10.37</td><td>49.54</td><td>8.29</td><td>Peak</td><td>101</td><td>196</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11570.00	37.44	54.00	-16.56	28.50	8.94	Average	231	215	2	11570.00	50.22	74.00	-23.78	41.28	8.94	Peak	231	215	3	17355.00	57.83	68.20	-10.37	49.54	8.29	Peak	101	196
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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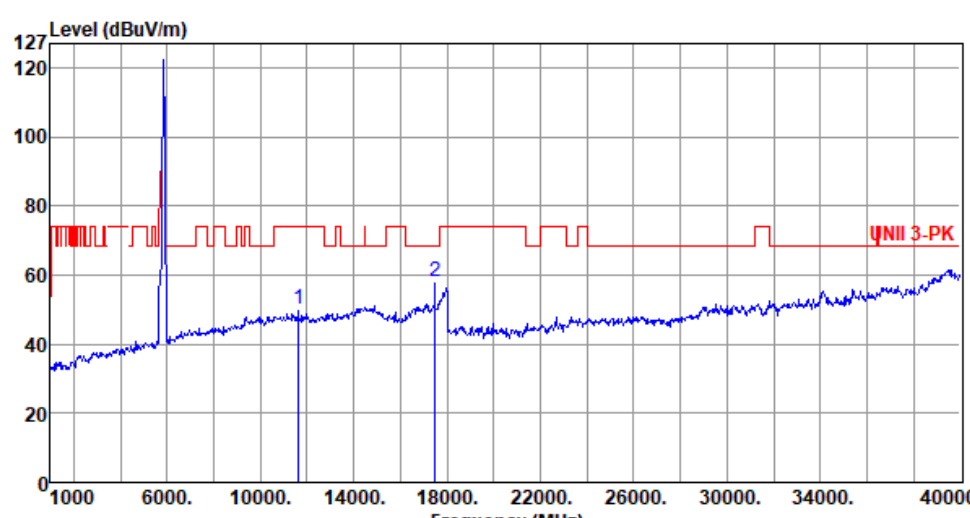


Modulation	11a	Test Freq. (MHz)	5825																														
Polarization	Horizontal-Peak Value																																
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																	
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11650.00</td><td>50.61</td><td>74.00</td><td>-23.39</td><td>42.07</td><td>8.54</td><td>Peak</td><td>303</td><td>115</td></tr><tr><td>2</td><td>17475.00</td><td>59.37</td><td>68.20</td><td>-8.83</td><td>50.75</td><td>8.62</td><td>Peak</td><td>231</td><td>230</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	50.61	74.00	-23.39	42.07	8.54	Peak	303	115	2	17475.00	59.37	68.20	-8.83	50.75	8.62	Peak	231	230
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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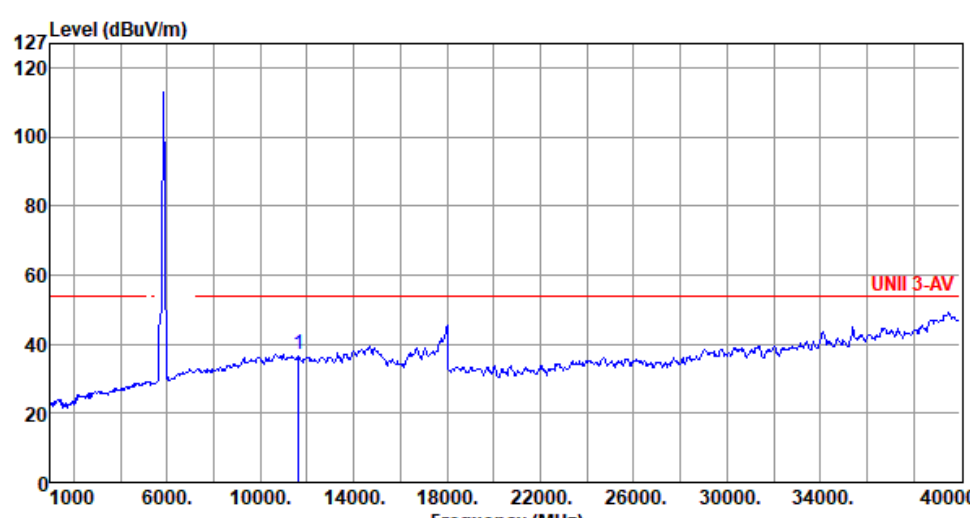


Modulation	11a	Test Freq. (MHz)	5825																				
Polarization	Horizontal-Average Value																						
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																							
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11650.00</td><td>37.80</td><td>54.00</td><td>-16.20</td><td>29.26</td><td>8.54</td><td>Average</td><td>303</td><td>115</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	37.80	54.00	-16.20	29.26	8.54	Average	303	115
	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	11650.00	37.80	54.00	-16.20	29.26	8.54	Average	303	115														
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Modulation	11a	Test Freq. (MHz)	5825																														
Polarization	Vertical-Peak Value																																
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																	
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11650.00</td><td>49.98</td><td>74.00</td><td>-24.02</td><td>41.44</td><td>8.54</td><td>Peak</td><td>116</td><td>2</td></tr><tr><td>2</td><td>17475.00</td><td>58.15</td><td>68.20</td><td>-10.05</td><td>49.53</td><td>8.62</td><td>Peak</td><td>221</td><td>169</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	49.98	74.00	-24.02	41.44	8.54	Peak	116	2	2	17475.00	58.15	68.20	-10.05	49.53	8.62	Peak	221	169
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Modulation	11a	Test Freq. (MHz)	5825																				
Polarization	Vertical -Average Value																						
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																							
Level (dBuV/m)  Frequency (MHz)																							
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>11650.00</td><td>37.15</td><td>54.00</td><td>-16.85</td><td>28.61</td><td>8.54</td><td>Average</td><td>116</td><td>2</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	37.15	54.00	-16.85	28.61	8.54	Average	116	2
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Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) <			



Modulation	ax HE20	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			

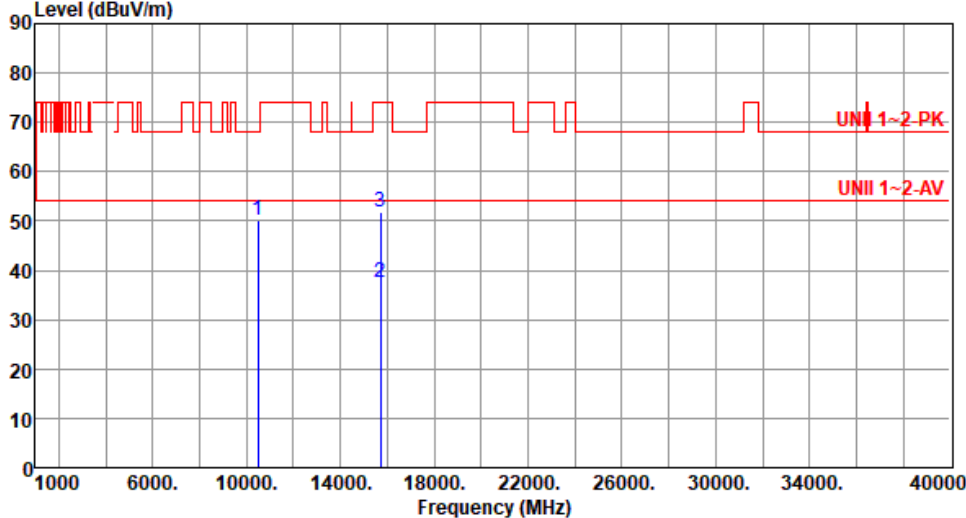


Modulation	ax HE20	Test Freq. (MHz)	5200																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>10400.00</td><td>50.11</td><td>68.20</td><td>-18.09</td><td>41.42</td><td>8.69</td><td>Peak</td><td>177</td><td>222</td></tr><tr><td>2</td><td>15600.00</td><td>37.22</td><td>54.00</td><td>-16.78</td><td>31.24</td><td>5.98</td><td>Average</td><td>227</td><td>150</td></tr><tr><td>3</td><td>15600.00</td><td>51.52</td><td>74.00</td><td>-22.48</td><td>45.54</td><td>5.98</td><td>Peak</td><td>227</td><td>150</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	10400.00	50.11	68.20	-18.09	41.42	8.69	Peak	177	222	2	15600.00	37.22	54.00	-16.78	31.24	5.98	Average	227	150	3	15600.00	51.52	74.00	-22.48	45.54	5.98	Peak	227	150
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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3	15600.00	51.52	74.00	-22.48	45.54	5.98	Peak	227	150																																		



Modulation	ax HE20	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) </			

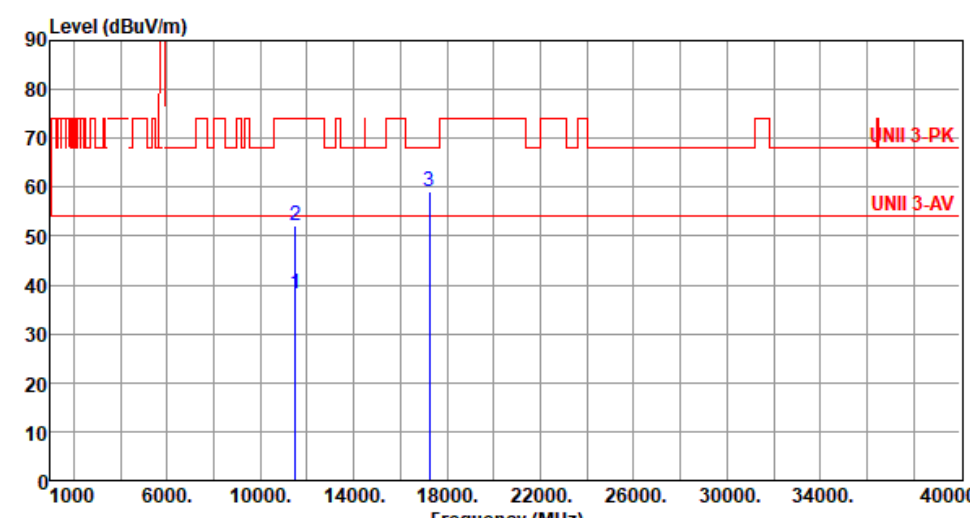


Modulation	ax HE20	Test Freq. (MHz)	5240																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>10480.00</td><td>50.25</td><td>68.20</td><td>-17.95</td><td>41.55</td><td>8.70</td><td>Peak</td><td>175</td><td>233</td></tr><tr><td>2</td><td>15720.00</td><td>37.52</td><td>54.00</td><td>-16.48</td><td>31.36</td><td>6.16</td><td>Average</td><td>223</td><td>147</td></tr><tr><td>3</td><td>15720.00</td><td>51.68</td><td>74.00</td><td>-22.32</td><td>45.52</td><td>6.16</td><td>Peak</td><td>223</td><td>147</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	10480.00	50.25	68.20	-17.95	41.55	8.70	Peak	175	233	2	15720.00	37.52	54.00	-16.48	31.36	6.16	Average	223	147	3	15720.00	51.68	74.00	-22.32	45.52	6.16	Peak	223	147
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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Modulation	ax HE20	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	5745																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11490.00</td><td>38.26</td><td>54.00</td><td>-15.74</td><td>29.13</td><td>9.13</td><td>Average</td><td>210</td><td>250</td></tr><tr><td>2</td><td>11490.00</td><td>52.07</td><td>74.00</td><td>-21.93</td><td>42.94</td><td>9.13</td><td>Peak</td><td>210</td><td>250</td></tr><tr><td>3</td><td>17235.00</td><td>59.08</td><td>68.20</td><td>-9.12</td><td>50.91</td><td>8.17</td><td>Peak</td><td>236</td><td>132</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11490.00	38.26	54.00	-15.74	29.13	9.13	Average	210	250	2	11490.00	52.07	74.00	-21.93	42.94	9.13	Peak	210	250	3	17235.00	59.08	68.20	-9.12	50.91	8.17	Peak	236	132
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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Modulation	ax HE20	Test Freq. (MHz)	5745																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11490.00</td><td>37.51</td><td>54.00</td><td>-16.49</td><td>28.38</td><td>9.13</td><td>Average</td><td>112</td><td>73</td></tr><tr><td>2</td><td>11490.00</td><td>50.31</td><td>74.00</td><td>-23.69</td><td>41.18</td><td>9.13</td><td>Peak</td><td>112</td><td>73</td></tr><tr><td>3</td><td>17235.00</td><td>57.31</td><td>68.20</td><td>-10.89</td><td>49.14</td><td>8.17</td><td>Peak</td><td>219</td><td>169</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11490.00	37.51	54.00	-16.49	28.38	9.13	Average	112	73	2	11490.00	50.31	74.00	-23.69	41.18	9.13	Peak	112	73	3	17235.00	57.31	68.20	-10.89	49.14	8.17	Peak	219	169
	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	11490.00	37.51	54.00	-16.49	28.38	9.13	Average	112	73																																		
2	11490.00	50.31	74.00	-23.69	41.18	9.13	Peak	112	73																																		
3	17235.00	57.31	68.20	-10.89	49.14	8.17	Peak	219	169																																		
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).																																											



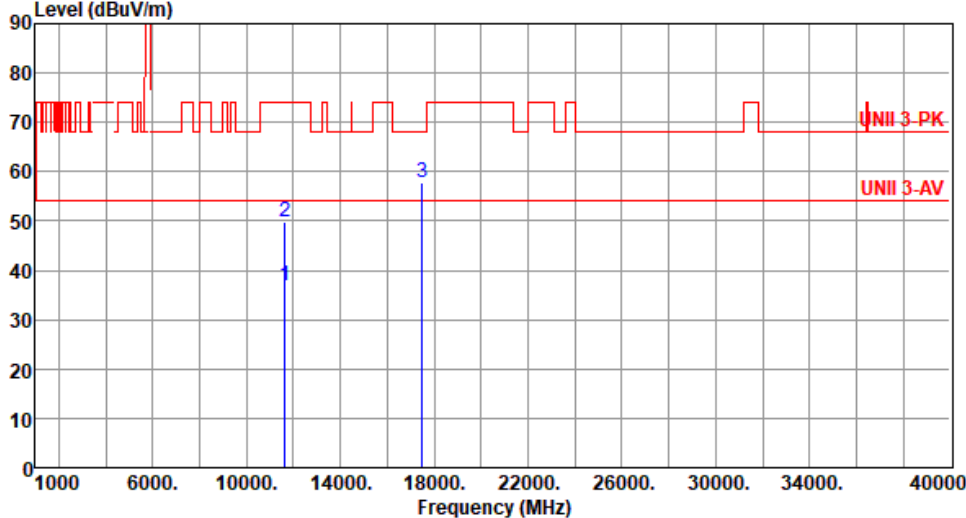
Modulation	ax HE20	Test Freq. (MHz)	5785																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11570.00</td><td>38.22</td><td>54.00</td><td>-15.78</td><td>29.28</td><td>8.94</td><td>Average</td><td>213</td><td>246</td></tr><tr><td>2</td><td>11570.00</td><td>50.99</td><td>74.00</td><td>-23.01</td><td>42.05</td><td>8.94</td><td>Peak</td><td>213</td><td>246</td></tr><tr><td>3</td><td>17355.00</td><td>58.38</td><td>68.20</td><td>-9.82</td><td>50.09</td><td>8.29</td><td>Peak</td><td>242</td><td>137</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11570.00	38.22	54.00	-15.78	29.28	8.94	Average	213	246	2	11570.00	50.99	74.00	-23.01	42.05	8.94	Peak	213	246	3	17355.00	58.38	68.20	-9.82	50.09	8.29	Peak	242	137
	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	11570.00	38.22	54.00	-15.78	29.28	8.94	Average	213	246																																		
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3	17355.00	58.38	68.20	-9.82	50.09	8.29	Peak	242	137																																		



Modulation	ax HE20	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) </			

Modulation	ax HE20	Test Freq. (MHz)	5825																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11650.00</td><td>37.76</td><td>54.00</td><td>-16.24</td><td>29.22</td><td>8.54</td><td>Average</td><td>220</td><td>252</td></tr><tr><td>2</td><td>11650.00</td><td>50.54</td><td>74.00</td><td>-23.46</td><td>42.00</td><td>8.54</td><td>Peak</td><td>220</td><td>252</td></tr><tr><td>3</td><td>17475.00</td><td>58.67</td><td>68.20</td><td>-9.53</td><td>50.05</td><td>8.62</td><td>Peak</td><td>249</td><td>139</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	37.76	54.00	-16.24	29.22	8.54	Average	220	252	2	11650.00	50.54	74.00	-23.46	42.00	8.54	Peak	220	252	3	17475.00	58.67	68.20	-9.53	50.05	8.62	Peak	249	139
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
1	11650.00	37.76	54.00	-16.24	29.22	8.54	Average	220	252																																		
2	11650.00	50.54	74.00	-23.46	42.00	8.54	Peak	220	252																																		
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Modulation	ax HE20	Test Freq. (MHz)	5825																																								
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Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11650.00</td><td>36.98</td><td>54.00</td><td>-17.02</td><td>28.44</td><td>8.54</td><td>Average</td><td>115</td><td>80</td></tr><tr><td>2</td><td>11650.00</td><td>49.74</td><td>74.00</td><td>-24.26</td><td>41.20</td><td>8.54</td><td>Peak</td><td>115</td><td>80</td></tr><tr><td>3</td><td>17475.00</td><td>57.87</td><td>68.20</td><td>-10.33</td><td>49.25</td><td>8.62</td><td>Peak</td><td>225</td><td>176</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11650.00	36.98	54.00	-17.02	28.44	8.54	Average	115	80	2	11650.00	49.74	74.00	-24.26	41.20	8.54	Peak	115	80	3	17475.00	57.87	68.20	-10.33	49.25	8.62	Peak	225	176
	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	11650.00	36.98	54.00	-17.02	28.44	8.54	Average	115	80																																		
2	11650.00	49.74	74.00	-24.26	41.20	8.54	Peak	115	80																																		
3	17475.00	57.87	68.20	-10.33	49.25	8.62	Peak	225	176																																		
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)	5190
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



Modulation	ax HE40	Test Freq. (MHz)	5190
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBUV/m)			



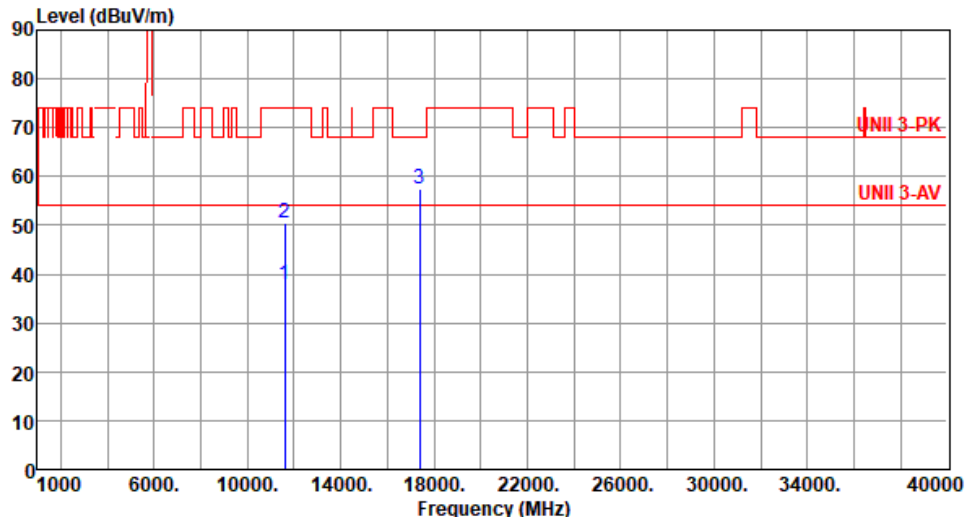
Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBUV/m) </			



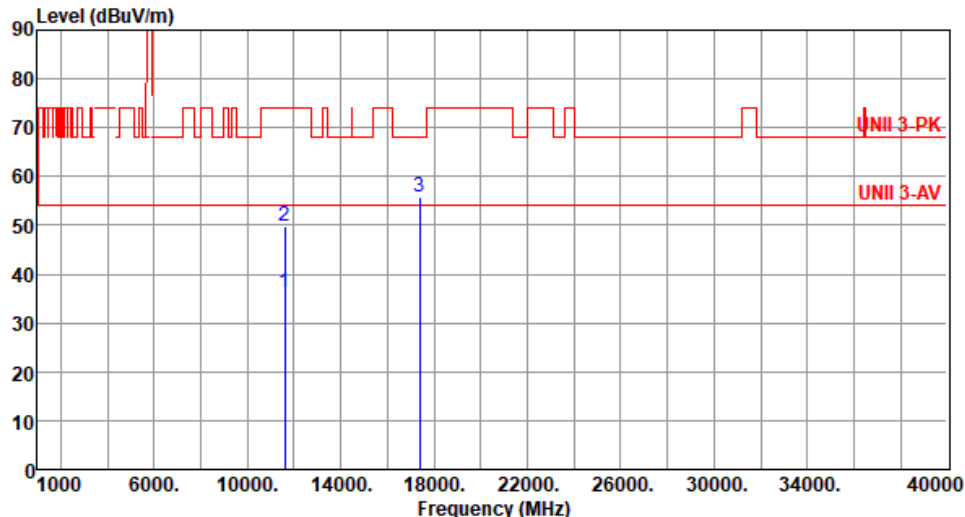
Modulation	ax HE40	Test Freq. (MHz)	5755																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11510.00</td><td>37.20</td><td>54.00</td><td>-16.80</td><td>28.05</td><td>9.15</td><td>Average</td><td>100</td><td>240</td></tr><tr><td>2</td><td>11510.00</td><td>51.02</td><td>74.00</td><td>-22.98</td><td>41.87</td><td>9.15</td><td>Peak</td><td>100</td><td>240</td></tr><tr><td>3</td><td>17265.00</td><td>57.11</td><td>68.20</td><td>-11.09</td><td>48.95</td><td>8.16</td><td>Peak</td><td>100</td><td>135</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11510.00	37.20	54.00	-16.80	28.05	9.15	Average	100	240	2	11510.00	51.02	74.00	-22.98	41.87	9.15	Peak	100	240	3	17265.00	57.11	68.20	-11.09	48.95	8.16	Peak	100	135
	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	11510.00	37.20	54.00	-16.80	28.05	9.15	Average	100	240																																		
2	11510.00	51.02	74.00	-22.98	41.87	9.15	Peak	100	240																																		
3	17265.00	57.11	68.20	-11.09	48.95	8.16	Peak	100	135																																		
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)	5755																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11510.00</td><td>36.39</td><td>54.00</td><td>-17.61</td><td>27.24</td><td>9.15</td><td>Average</td><td>100</td><td>82</td></tr><tr><td>2</td><td>11510.00</td><td>50.23</td><td>74.00</td><td>-23.77</td><td>41.08</td><td>9.15</td><td>Peak</td><td>100</td><td>82</td></tr><tr><td>3</td><td>17265.00</td><td>55.39</td><td>68.20</td><td>-12.81</td><td>47.23</td><td>8.16</td><td>Peak</td><td>100</td><td>175</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11510.00	36.39	54.00	-17.61	27.24	9.15	Average	100	82	2	11510.00	50.23	74.00	-23.77	41.08	9.15	Peak	100	82	3	17265.00	55.39	68.20	-12.81	47.23	8.16	Peak	100	175
	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	11510.00	36.39	54.00	-17.61	27.24	9.15	Average	100	82																																		
2	11510.00	50.23	74.00	-23.77	41.08	9.15	Peak	100	82																																		
3	17265.00	55.39	68.20	-12.81	47.23	8.16	Peak	100	175																																		
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)	5795																																								
Polarization	Horizontal																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11590.00</td><td>37.83</td><td>54.00</td><td>-16.17</td><td>29.01</td><td>8.82</td><td>Average</td><td>100</td><td>243</td></tr><tr><td>2</td><td>11590.00</td><td>50.64</td><td>74.00</td><td>-23.36</td><td>41.82</td><td>8.82</td><td>Peak</td><td>100</td><td>243</td></tr><tr><td>3</td><td>17385.00</td><td>57.44</td><td>68.20</td><td>-10.76</td><td>48.96</td><td>8.48</td><td>Peak</td><td>100</td><td>133</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11590.00	37.83	54.00	-16.17	29.01	8.82	Average	100	243	2	11590.00	50.64	74.00	-23.36	41.82	8.82	Peak	100	243	3	17385.00	57.44	68.20	-10.76	48.96	8.48	Peak	100	133
	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	11590.00	37.83	54.00	-16.17	29.01	8.82	Average	100	243																																		
2	11590.00	50.64	74.00	-23.36	41.82	8.82	Peak	100	243																																		
3	17385.00	57.44	68.20	-10.76	48.96	8.48	Peak	100	133																																		
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)	5795																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11590.00</td><td>36.04</td><td>54.00</td><td>-17.96</td><td>27.22</td><td>8.82</td><td>Average</td><td>100</td><td>75</td></tr><tr><td>2</td><td>11590.00</td><td>49.88</td><td>74.00</td><td>-24.12</td><td>41.06</td><td>8.82</td><td>Peak</td><td>100</td><td>75</td></tr><tr><td>3</td><td>17385.00</td><td>55.72</td><td>68.20</td><td>-12.48</td><td>47.24</td><td>8.48</td><td>Peak</td><td>100</td><td>183</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11590.00	36.04	54.00	-17.96	27.22	8.82	Average	100	75	2	11590.00	49.88	74.00	-24.12	41.06	8.82	Peak	100	75	3	17385.00	55.72	68.20	-12.48	47.24	8.48	Peak	100	183
	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	11590.00	36.04	54.00	-17.96	27.22	8.82	Average	100	75																																		
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																											

Unwanted Emissions (Above 1GHz) for ax HE80

Modulation	ax HE80	Test Freq. (MHz)	5210
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m) </			

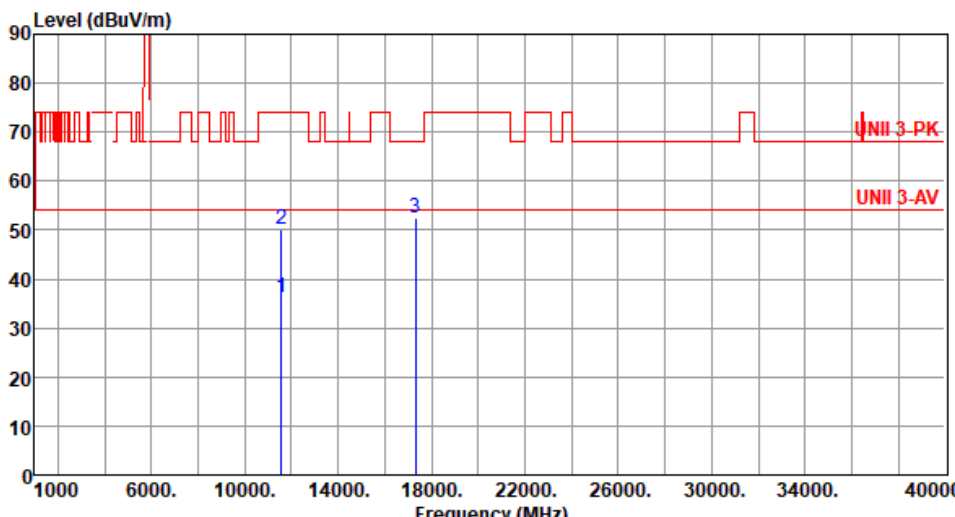


Modulation	ax HE80	Test Freq. (MHz)	5210
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			



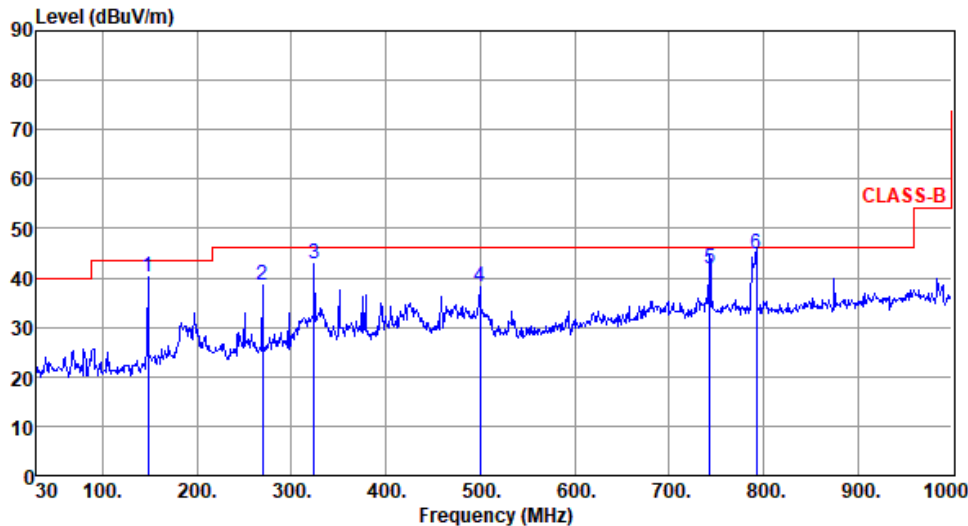
Modulation	ax HE80	Test Freq. (MHz)	5775																																														
Polarization	Horizontal																																																
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																																	
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11550.00</td><td>36.99</td><td>54.00</td><td>-17.01</td><td>27.93</td><td>9.06</td><td>Average</td><td>100</td><td>239</td></tr><tr><td>2</td><td>11550.00</td><td>49.87</td><td>74.00</td><td>-24.13</td><td>40.81</td><td>9.06</td><td>Peak</td><td>100</td><td>239</td></tr><tr><td>3</td><td>17325.00</td><td>53.05</td><td>68.20</td><td>-15.15</td><td>44.83</td><td>8.22</td><td>Peak</td><td>100</td><td>136</td></tr></tbody></table>											Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11550.00	36.99	54.00	-17.01	27.93	9.06	Average	100	239	2	11550.00	49.87	74.00	-24.13	40.81	9.06	Peak	100	239	3	17325.00	53.05	68.20	-15.15	44.83	8.22	Peak	100	136
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																								
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2	11550.00	49.87	74.00	-24.13	40.81	9.06	Peak	100	239																																								
3	17325.00	53.05	68.20	-15.15	44.83	8.22	Peak	100	136																																								
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)	5775																																								
Polarization	Vertical																																										
Test By :Akun Chung Temperature(°C):26 Humidity(%):62																																											
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>11550.00</td><td>36.18</td><td>54.00</td><td>-17.82</td><td>27.12</td><td>9.06</td><td>Average</td><td>100</td><td>88</td></tr><tr><td>2</td><td>11550.00</td><td>50.04</td><td>74.00</td><td>-23.96</td><td>40.98</td><td>9.06</td><td>Peak</td><td>100</td><td>88</td></tr><tr><td>3</td><td>17325.00</td><td>52.35</td><td>68.20</td><td>-15.85</td><td>44.13</td><td>8.22</td><td>Peak</td><td>100</td><td>180</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	11550.00	36.18	54.00	-17.82	27.12	9.06	Average	100	88	2	11550.00	50.04	74.00	-23.96	40.98	9.06	Peak	100	88	3	17325.00	52.35	68.20	-15.85	44.13	8.22	Peak	100	180
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																											

Configuration 2: MB Radio

Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5825																																																																						
Polarization	Horizontal																																																																								
Test By :Akun Chung Temperature(°C):26 Humidity(%):63																																																																									
Level (dBUV/m)  <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>148.36</td><td>40.15</td><td>43.50</td><td>-3.35</td><td>48.98</td><td>-8.83</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>269.41</td><td>38.42</td><td>46.00</td><td>-7.58</td><td>47.46</td><td>-9.04</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>323.86</td><td>42.85</td><td>46.00</td><td>-3.15</td><td>50.10</td><td>-7.25</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>499.55</td><td>38.29</td><td>46.00</td><td>-7.71</td><td>41.10</td><td>-2.81</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>742.92</td><td>41.74</td><td>46.00</td><td>-4.26</td><td>39.29</td><td>2.45</td><td>QP</td><td>100</td><td>159</td></tr><tr><td>6</td><td>792.31</td><td>44.68</td><td>46.00</td><td>-1.32</td><td>41.58</td><td>3.10</td><td>QP</td><td>100</td><td>246</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	148.36	40.15	43.50	-3.35	48.98	-8.83	Peak	---	---	2	269.41	38.42	46.00	-7.58	47.46	-9.04	Peak	---	---	3	323.86	42.85	46.00	-3.15	50.10	-7.25	Peak	---	---	4	499.55	38.29	46.00	-7.71	41.10	-2.81	Peak	---	---	5	742.92	41.74	46.00	-4.26	39.29	2.45	QP	100	159	6	792.31	44.68	46.00	-1.32	41.58	3.10	QP	100	246
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																									



Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):26 Humidity(%):63			
Level (dBuV/m) </			



Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>8288.00</td><td>36.51</td><td>54.00</td><td>-17.49</td><td>30.35</td><td>6.16</td><td>Average</td><td>100</td><td>354</td></tr><tr><td>2</td><td>8288.00</td><td>46.12</td><td>74.00</td><td>-27.88</td><td>39.96</td><td>6.16</td><td>Peak</td><td>100</td><td>354</td></tr><tr><td>3</td><td>10360.00</td><td>47.62</td><td>68.20</td><td>-20.58</td><td>39.00</td><td>8.62</td><td>Peak</td><td>100</td><td>36</td></tr><tr><td>4</td><td>15540.00</td><td>34.62</td><td>54.00</td><td>-19.38</td><td>28.37</td><td>6.25</td><td>Average</td><td>100</td><td>11</td></tr><tr><td>5</td><td>15540.00</td><td>48.89</td><td>74.00</td><td>-25.11</td><td>42.64</td><td>6.25</td><td>Peak</td><td>100</td><td>11</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	8288.00	36.51	54.00	-17.49	30.35	6.16	Average	100	354	2	8288.00	46.12	74.00	-27.88	39.96	6.16	Peak	100	354	3	10360.00	47.62	68.20	-20.58	39.00	8.62	Peak	100	36	4	15540.00	34.62	54.00	-19.38	28.37	6.25	Average	100	11	5	15540.00	48.89	74.00	-25.11	42.64	6.25	Peak	100	11
	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	8288.00	36.51	54.00	-17.49	30.35	6.16	Average	100	354																																																						
2	8288.00	46.12	74.00	-27.88	39.96	6.16	Peak	100	354																																																						
3	10360.00	47.62	68.20	-20.58	39.00	8.62	Peak	100	36																																																						
4	15540.00	34.62	54.00	-19.38	28.37	6.25	Average	100	11																																																						
5	15540.00	48.89	74.00	-25.11	42.64	6.25	Peak	100	11																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															

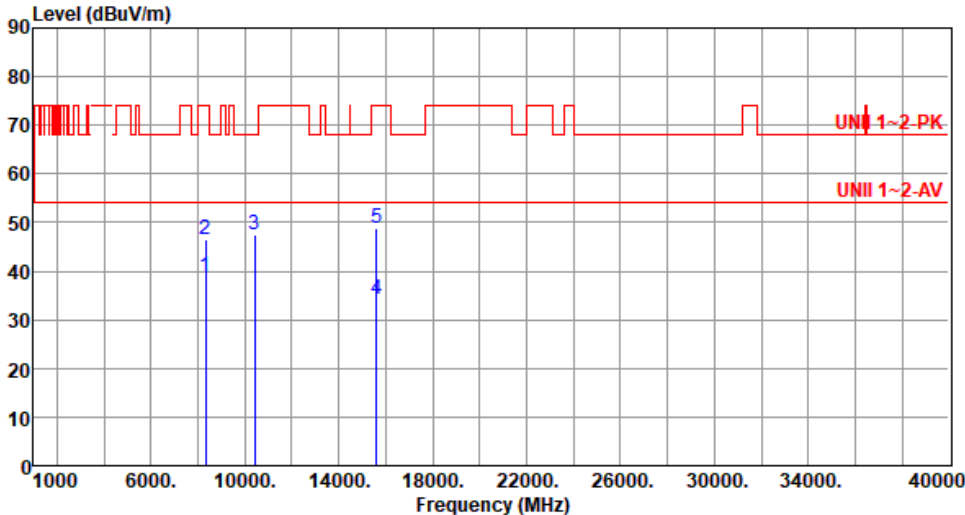


Modulation	11a	Test Freq. (MHz)	5180						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	8288.00	39.12	54.00	-14.88	32.96	6.16	Average	296	75
2	8288.00	46.41	74.00	-27.59	40.25	6.16	Peak	296	75
3	10360.00	47.58	68.20	-20.62	38.96	8.62	Peak	100	32
4	15540.00	34.42	54.00	-19.58	28.17	6.25	Average	100	26
5	15540.00	48.95	74.00	-25.05	42.70	6.25	Peak	100	26
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	11a	Test Freq. (MHz)	5200																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>8320.00</td><td>36.47</td><td>54.00</td><td>-17.53</td><td>30.36</td><td>6.11</td><td>Average</td><td>100</td><td>358</td></tr><tr><td>2</td><td>8320.00</td><td>45.99</td><td>74.00</td><td>-28.01</td><td>39.88</td><td>6.11</td><td>Peak</td><td>100</td><td>358</td></tr><tr><td>3</td><td>10400.00</td><td>47.50</td><td>68.20</td><td>-20.70</td><td>38.81</td><td>8.69</td><td>Peak</td><td>100</td><td>29</td></tr><tr><td>4</td><td>15600.00</td><td>34.57</td><td>54.00</td><td>-19.43</td><td>28.59</td><td>5.98</td><td>Average</td><td>100</td><td>21</td></tr><tr><td>5</td><td>15600.00</td><td>48.79</td><td>74.00</td><td>-25.21</td><td>42.81</td><td>5.98</td><td>Peak</td><td>100</td><td>21</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	8320.00	36.47	54.00	-17.53	30.36	6.11	Average	100	358	2	8320.00	45.99	74.00	-28.01	39.88	6.11	Peak	100	358	3	10400.00	47.50	68.20	-20.70	38.81	8.69	Peak	100	29	4	15600.00	34.57	54.00	-19.43	28.59	5.98	Average	100	21	5	15600.00	48.79	74.00	-25.21	42.81	5.98	Peak	100	21
	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	8320.00	36.47	54.00	-17.53	30.36	6.11	Average	100	358																																																						
2	8320.00	45.99	74.00	-28.01	39.88	6.11	Peak	100	358																																																						
3	10400.00	47.50	68.20	-20.70	38.81	8.69	Peak	100	29																																																						
4	15600.00	34.57	54.00	-19.43	28.59	5.98	Average	100	21																																																						
5	15600.00	48.79	74.00	-25.21	42.81	5.98	Peak	100	21																																																						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																															

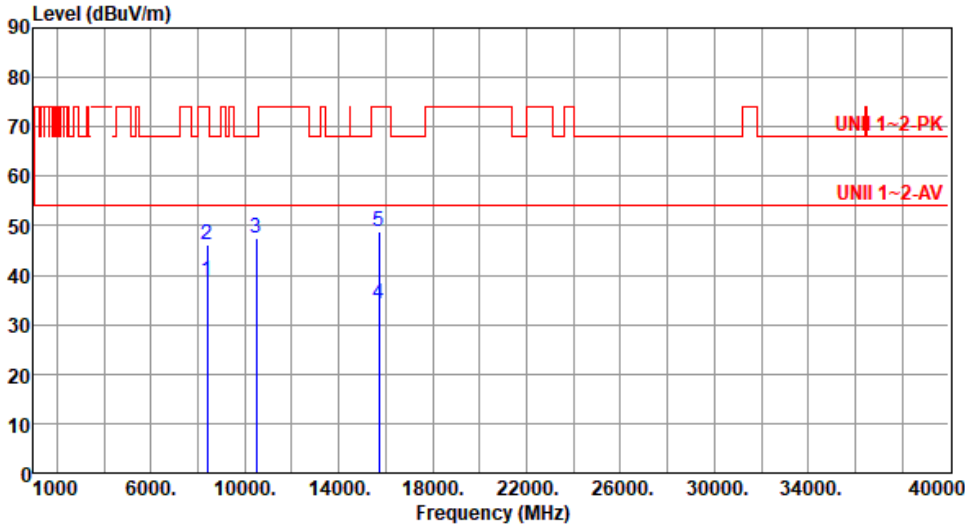


Modulation	11a	Test Freq. (MHz)	5200						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	8320.00	38.99	54.00	-15.01	32.88	6.11	Average	294	74
2	8320.00	46.36	74.00	-27.64	40.25	6.11	Peak	294	74
3	10400.00	47.50	68.20	-20.70	38.81	8.69	Peak	100	29
4	15600.00	34.31	54.00	-19.69	28.33	5.98	Average	100	12
5	15600.00	48.88	74.00	-25.12	42.90	5.98	Peak	100	12
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									

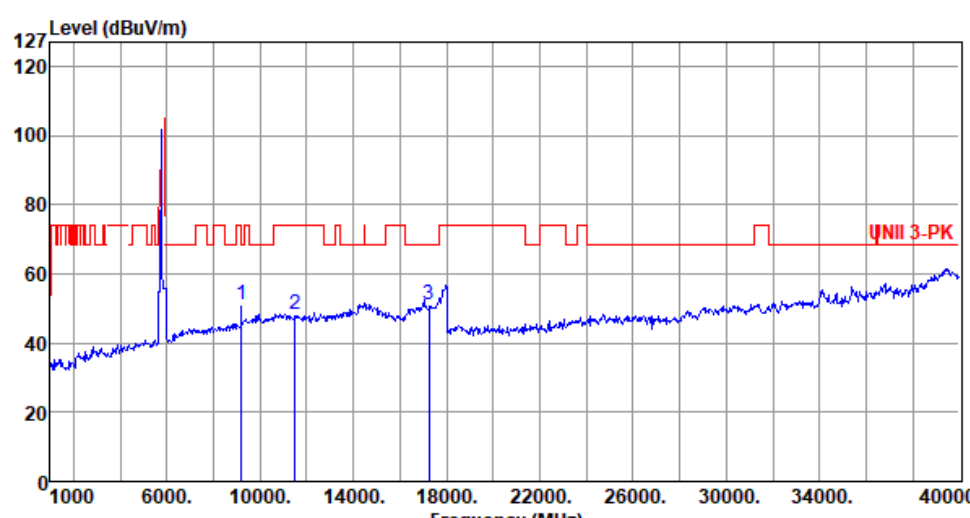


Modulation	11a	Test Freq. (MHz)	5240						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
Level (dBuV/m) UNII 1-2-PK UNII 1-2-AV Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	8384.00	36.42	54.00	-17.58	30.37	6.05	Average	100	348
2	8384.00	45.86	74.00	-28.14	39.81	6.05	Peak	100	348
3	10480.00	47.44	68.20	-20.76	38.74	8.70	Peak	100	52
4	15720.00	34.51	54.00	-19.49	28.35	6.16	Average	100	44
5	15720.00	48.66	74.00	-25.34	42.50	6.16	Peak	100	44
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	11a	Test Freq. (MHz)	5240																																																													
Polarization	Vertical																																																															
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																																
																																																																
	<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>8384.00</td><td>38.92</td><td>54.00</td><td>-15.08</td><td>32.87</td><td>6.05</td><td>Average</td><td>291</td><td>68</td></tr><tr><td>2</td><td>8384.00</td><td>46.29</td><td>74.00</td><td>-27.71</td><td>40.24</td><td>6.05</td><td>Peak</td><td>291</td><td>68</td></tr><tr><td>3</td><td>10480.00</td><td>47.42</td><td>68.20</td><td>-20.78</td><td>38.72</td><td>8.70</td><td>Peak</td><td>100</td><td>46</td></tr><tr><td>4</td><td>15720.00</td><td>34.28</td><td>54.00</td><td>-19.72</td><td>28.12</td><td>6.16</td><td>Average</td><td>100</td><td>39</td></tr><tr><td>5</td><td>15720.00</td><td>48.75</td><td>74.00</td><td>-25.25</td><td>42.59</td><td>6.16</td><td>Peak</td><td>100</td><td>39</td></tr></table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	8384.00	38.92	54.00	-15.08	32.87	6.05	Average	291	68	2	8384.00	46.29	74.00	-27.71	40.24	6.05	Peak	291	68	3	10480.00	47.42	68.20	-20.78	38.72	8.70	Peak	100	46	4	15720.00	34.28	54.00	-19.72	28.12	6.16	Average	100	39	5	15720.00	48.75	74.00	-25.25	42.59	6.16	Peak	100	39			
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																							
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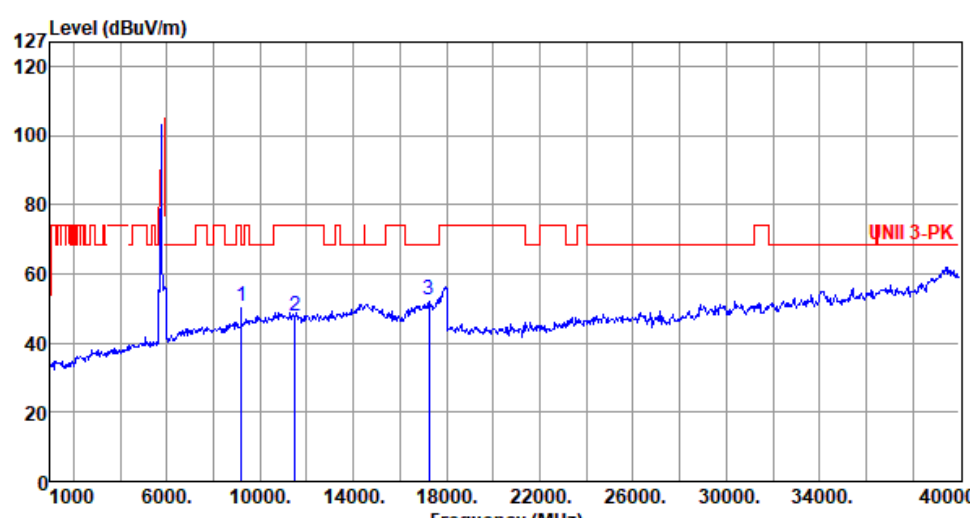


Modulation	11a	Test Freq. (MHz)	5745																																								
Polarization	Horizontal-Peak Value																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
Level (dBuV/m)  <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>9192.00</td><td>51.31</td><td>74.00</td><td>-22.69</td><td>43.49</td><td>7.82</td><td>Peak</td><td>218</td><td>42</td></tr><tr><td>2</td><td>11490.00</td><td>48.49</td><td>74.00</td><td>-25.51</td><td>39.36</td><td>9.13</td><td>Peak</td><td>100</td><td>58</td></tr><tr><td>3</td><td>17235.00</td><td>51.14</td><td>68.20</td><td>-17.06</td><td>42.97</td><td>8.17</td><td>Peak</td><td>100</td><td>22</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9192.00	51.31	74.00	-22.69	43.49	7.82	Peak	218	42	2	11490.00	48.49	74.00	-25.51	39.36	9.13	Peak	100	58	3	17235.00	51.14	68.20	-17.06	42.97	8.17	Peak	100	22
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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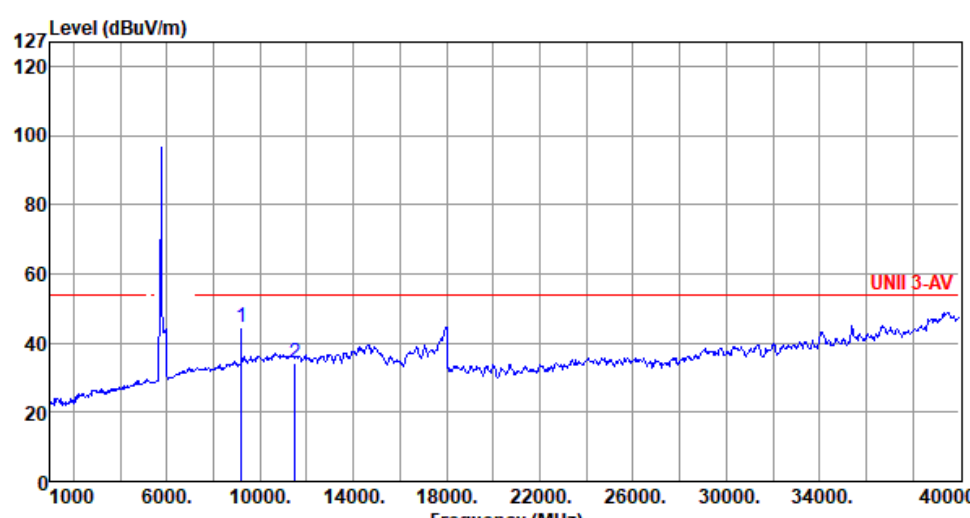
Modulation	11a	Test Freq. (MHz)	5745																														
Polarization	Horizontal-Average Value																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBuV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>9192.00</td><td>44.69</td><td>54.00</td><td>-9.31</td><td>36.87</td><td>7.82</td><td>Average</td><td>218</td><td>42</td></tr><tr><td>2</td><td>11490.00</td><td>34.65</td><td>54.00</td><td>-19.35</td><td>25.52</td><td>9.13</td><td>Average</td><td>100</td><td>58</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9192.00	44.69	54.00	-9.31	36.87	7.82	Average	218	42	2	11490.00	34.65	54.00	-19.35	25.52	9.13	Average	100	58
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
1	9192.00	44.69	54.00	-9.31	36.87	7.82	Average	218	42																								
2	11490.00	34.65	54.00	-19.35	25.52	9.13	Average	100	58																								
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																	



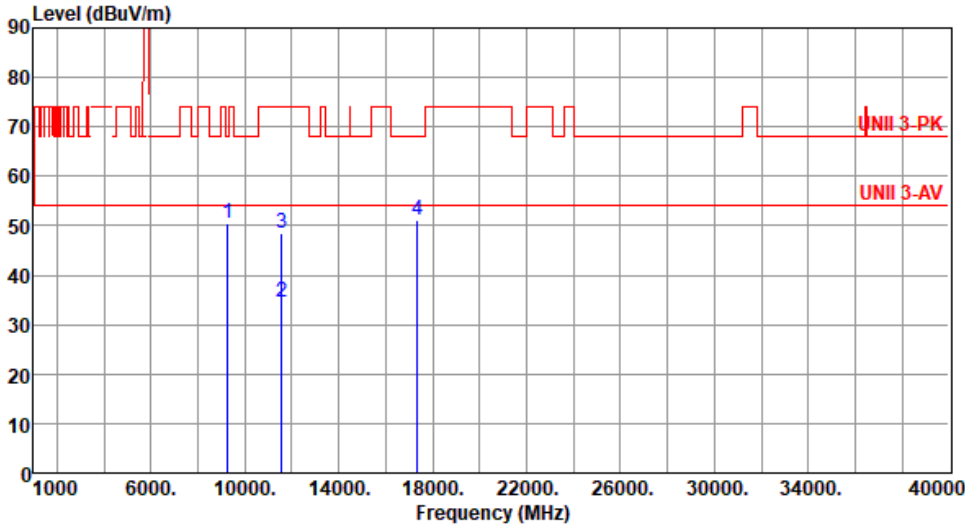
Modulation	11a	Test Freq. (MHz)	5745						
Polarization	Vertical-Peak Value								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	9192.00	50.41	74.00	-23.59	42.59	7.82	Peak	221	5
2	11490.00	47.96	74.00	-26.04	38.83	9.13	Peak	100	28
3	17235.00	52.39	68.20	-15.81	44.22	8.17	Peak	100	16

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

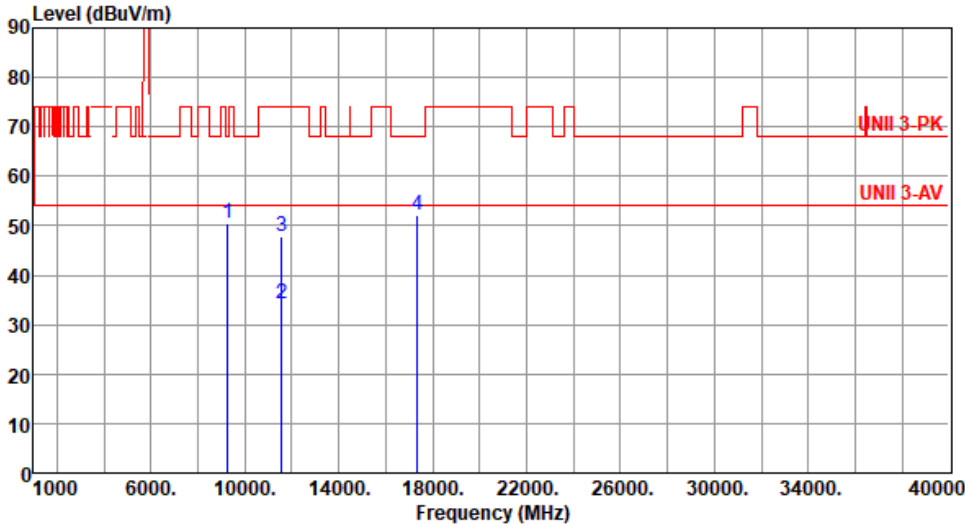


Modulation	11a	Test Freq. (MHz)	5745																														
Polarization	Vertical -Average Value																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9192.00</td><td>44.46</td><td>54.00</td><td>-9.54</td><td>36.64</td><td>7.82</td><td>Average</td><td>221</td><td>5</td></tr><tr><td>2</td><td>11490.00</td><td>34.29</td><td>54.00</td><td>-19.71</td><td>25.16</td><td>9.13</td><td>Average</td><td>100</td><td>28</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9192.00	44.46	54.00	-9.54	36.64	7.82	Average	221	5	2	11490.00	34.29	54.00	-19.71	25.16	9.13	Average	100	28
	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	9192.00	44.46	54.00	-9.54	36.64	7.82	Average	221	5																								
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																	

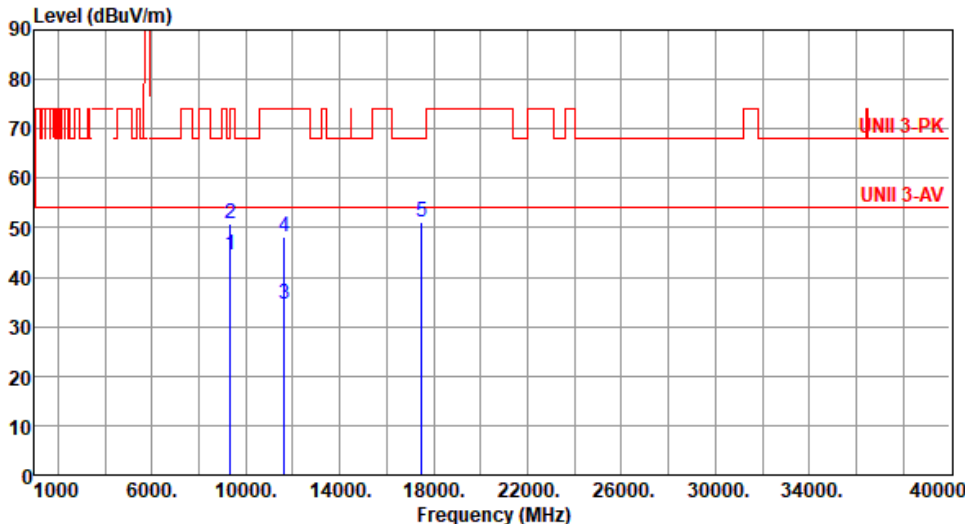


Modulation	11a	Test Freq. (MHz)	5785																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
 <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9256.00</td><td>50.31</td><td>68.20</td><td>-17.89</td><td>42.15</td><td>8.16</td><td>Peak</td><td>216</td><td>41</td></tr><tr><td>2</td><td>11570.00</td><td>34.57</td><td>54.00</td><td>-19.43</td><td>25.63</td><td>8.94</td><td>Average</td><td>100</td><td>55</td></tr><tr><td>3</td><td>11570.00</td><td>48.39</td><td>74.00</td><td>-25.61</td><td>39.45</td><td>8.94</td><td>Peak</td><td>100</td><td>55</td></tr><tr><td>4</td><td>17355.00</td><td>51.06</td><td>68.20</td><td>-17.14</td><td>42.77</td><td>8.29</td><td>Peak</td><td>100</td><td>25</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9256.00	50.31	68.20	-17.89	42.15	8.16	Peak	216	41	2	11570.00	34.57	54.00	-19.43	25.63	8.94	Average	100	55	3	11570.00	48.39	74.00	-25.61	39.45	8.94	Peak	100	55	4	17355.00	51.06	68.20	-17.14	42.77	8.29	Peak	100	25
	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	9256.00	50.31	68.20	-17.89	42.15	8.16	Peak	216	41																																												
2	11570.00	34.57	54.00	-19.43	25.63	8.94	Average	100	55																																												
3	11570.00	48.39	74.00	-25.61	39.45	8.94	Peak	100	55																																												
4	17355.00	51.06	68.20	-17.14	42.77	8.29	Peak	100	25																																												

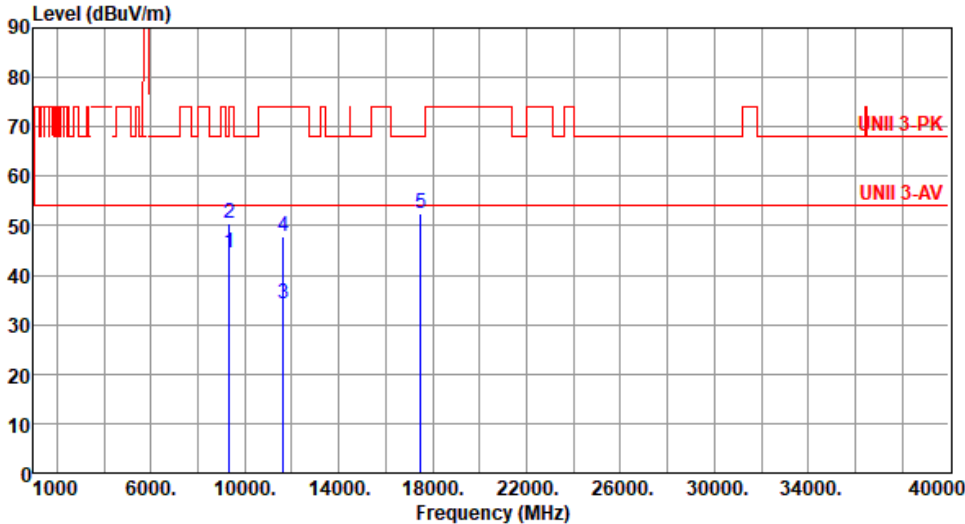


Modulation	11a	Test Freq. (MHz)	5785						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	9256.00	50.36	68.20	-17.84	42.20	8.16	Peak	219	1
2	11570.00	34.18	54.00	-19.82	25.24	8.94	Average	100	14
3	11570.00	47.87	74.00	-26.13	38.93	8.94	Peak	100	14
4	17355.00	52.24	68.20	-15.96	43.95	8.29	Peak	100	11
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)	5825						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	9320.00	44.53	54.00	-9.47	36.28	8.25	Average	214	42
2	9320.00	50.73	74.00	-23.27	42.48	8.25	Peak	214	42
3	11650.00	34.51	54.00	-19.49	25.97	8.54	Average	100	36
4	11650.00	48.32	74.00	-25.68	39.78	8.54	Peak	100	36
5	17475.00	51.14	68.20	-17.06	42.52	8.62	Peak	100	62
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)	5825						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	9320.00	44.51	54.00	-9.49	36.26	8.25	Average	216	4
2	9320.00	50.48	74.00	-23.52	42.23	8.25	Peak	216	4
3	11650.00	34.26	54.00	-19.74	25.72	8.54	Average	100	33
4	11650.00	47.95	74.00	-26.05	39.41	8.54	Peak	100	33
5	17475.00	52.34	68.20	-15.86	43.72	8.62	Peak	100	29
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)	5180																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBuV/m) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>8288.00</td><td>36.45</td><td>54.00</td><td>-17.55</td><td>30.29</td><td>6.16</td><td>Average</td><td>100</td><td>351</td></tr><tr><td>2</td><td>8288.00</td><td>46.04</td><td>74.00</td><td>-27.96</td><td>39.88</td><td>6.16</td><td>Peak</td><td>100</td><td>351</td></tr><tr><td>3</td><td>10360.00</td><td>47.55</td><td>68.20</td><td>-20.65</td><td>38.93</td><td>8.62</td><td>Peak</td><td>100</td><td>44</td></tr><tr><td>4</td><td>15540.00</td><td>34.56</td><td>54.00</td><td>-19.44</td><td>28.31</td><td>6.25</td><td>Average</td><td>100</td><td>29</td></tr><tr><td>5</td><td>15540.00</td><td>48.74</td><td>74.00</td><td>-25.26</td><td>42.49</td><td>6.25</td><td>Peak</td><td>100</td><td>29</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	8288.00	36.45	54.00	-17.55	30.29	6.16	Average	100	351	2	8288.00	46.04	74.00	-27.96	39.88	6.16	Peak	100	351	3	10360.00	47.55	68.20	-20.65	38.93	8.62	Peak	100	44	4	15540.00	34.56	54.00	-19.44	28.31	6.25	Average	100	29	5	15540.00	48.74	74.00	-25.26	42.49	6.25	Peak	100	29
	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	8288.00	36.45	54.00	-17.55	30.29	6.16	Average	100	351																																																						
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3	10360.00	47.55	68.20	-20.65	38.93	8.62	Peak	100	44																																																						
4	15540.00	34.56	54.00	-19.44	28.31	6.25	Average	100	29																																																						
5	15540.00	48.74	74.00	-25.26	42.49	6.25	Peak	100	29																																																						
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).																																																															

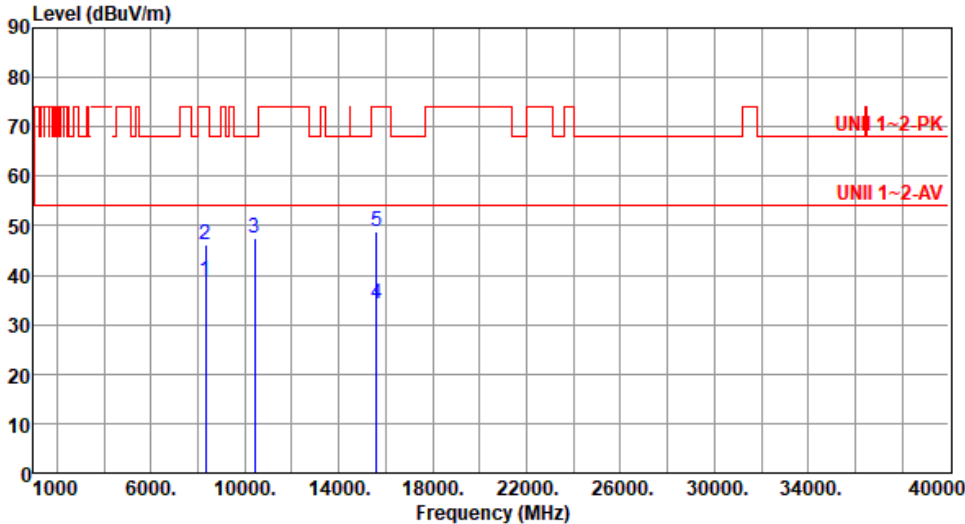


Modulation	ax HE20	Test Freq. (MHz)	5180																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBuV/m) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>8288.00</td><td>39.16</td><td>54.00</td><td>-14.84</td><td>33.00</td><td>6.16</td><td>Average</td><td>294</td><td>81</td></tr><tr><td>2</td><td>8288.00</td><td>46.45</td><td>74.00</td><td>-27.55</td><td>40.29</td><td>6.16</td><td>Peak</td><td>294</td><td>81</td></tr><tr><td>3</td><td>10360.00</td><td>47.51</td><td>68.20</td><td>-20.69</td><td>38.89</td><td>8.62</td><td>Peak</td><td>100</td><td>22</td></tr><tr><td>4</td><td>15540.00</td><td>34.48</td><td>54.00</td><td>-19.52</td><td>28.23</td><td>6.25</td><td>Average</td><td>100</td><td>16</td></tr><tr><td>5</td><td>15540.00</td><td>49.02</td><td>74.00</td><td>-24.98</td><td>42.77</td><td>6.25</td><td>Peak</td><td>100</td><td>16</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	8288.00	39.16	54.00	-14.84	33.00	6.16	Average	294	81	2	8288.00	46.45	74.00	-27.55	40.29	6.16	Peak	294	81	3	10360.00	47.51	68.20	-20.69	38.89	8.62	Peak	100	22	4	15540.00	34.48	54.00	-19.52	28.23	6.25	Average	100	16	5	15540.00	49.02	74.00	-24.98	42.77	6.25	Peak	100	16
	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	8288.00	39.16	54.00	-14.84	33.00	6.16	Average	294	81																																																						
2	8288.00	46.45	74.00	-27.55	40.29	6.16	Peak	294	81																																																						
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4	15540.00	34.48	54.00	-19.52	28.23	6.25	Average	100	16																																																						
5	15540.00	49.02	74.00	-24.98	42.77	6.25	Peak	100	16																																																						
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)	5200
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Modulation	ax HE20	Test Freq. (MHz)	5200						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	8320.00	38.85	54.00	-15.15	32.74	6.11	Average	296	64
2	8320.00	46.29	74.00	-27.71	40.18	6.11	Peak	296	64
3	10400.00	47.41	68.20	-20.79	38.72	8.69	Peak	100	46
4	15600.00	34.25	54.00	-19.75	28.27	5.98	Average	100	21
5	15600.00	48.76	74.00	-25.24	42.78	5.98	Peak	100	21
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)	5240
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Modulation	ax HE20	Test Freq. (MHz)	5745																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9192.00</td><td>44.62</td><td>54.00</td><td>-9.38</td><td>36.80</td><td>7.82</td><td>Average</td><td>211</td><td>35</td></tr><tr><td>2</td><td>9192.00</td><td>51.28</td><td>74.00</td><td>-22.72</td><td>43.46</td><td>7.82</td><td>Peak</td><td>211</td><td>35</td></tr><tr><td>3</td><td>11490.00</td><td>34.61</td><td>54.00</td><td>-19.39</td><td>25.48</td><td>9.13</td><td>Average</td><td>100</td><td>47</td></tr><tr><td>4</td><td>11490.00</td><td>48.42</td><td>74.00</td><td>-25.58</td><td>39.29</td><td>9.13</td><td>Peak</td><td>100</td><td>47</td></tr><tr><td>5</td><td>17235.00</td><td>51.09</td><td>68.20</td><td>-17.11</td><td>42.92</td><td>8.17</td><td>Peak</td><td>100</td><td>34</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9192.00	44.62	54.00	-9.38	36.80	7.82	Average	211	35	2	9192.00	51.28	74.00	-22.72	43.46	7.82	Peak	211	35	3	11490.00	34.61	54.00	-19.39	25.48	9.13	Average	100	47	4	11490.00	48.42	74.00	-25.58	39.29	9.13	Peak	100	47	5	17235.00	51.09	68.20	-17.11	42.92	8.17	Peak	100	34
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																						
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Modulation	ax HE20	Test Freq. (MHz)	5745																																																												
Polarization	Vertical																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBUV/m) Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>9192.00</td><td>44.35</td><td>54.00</td><td>-9.65</td><td>36.53</td><td>7.82</td><td>Average</td><td>224</td><td>2</td></tr><tr><td>2</td><td>9192.00</td><td>50.28</td><td>74.00</td><td>-23.72</td><td>42.46</td><td>7.82</td><td>Peak</td><td>224</td><td>2</td></tr><tr><td>3</td><td>11490.00</td><td>34.24</td><td>54.00</td><td>-19.76</td><td>25.11</td><td>9.13</td><td>Average</td><td>100</td><td>36</td></tr><tr><td>4</td><td>11490.00</td><td>47.92</td><td>74.00</td><td>-26.08</td><td>38.79</td><td>9.13</td><td>Peak</td><td>100</td><td>36</td></tr><tr><td>5</td><td>17235.00</td><td>52.34</td><td>68.20</td><td>-15.86</td><td>44.17</td><td>8.17</td><td>Peak</td><td>100</td><td>19</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9192.00	44.35	54.00	-9.65	36.53	7.82	Average	224	2	2	9192.00	50.28	74.00	-23.72	42.46	7.82	Peak	224	2	3	11490.00	34.24	54.00	-19.76	25.11	9.13	Average	100	36	4	11490.00	47.92	74.00	-26.08	38.79	9.13	Peak	100	36	5	17235.00	52.34	68.20	-15.86	44.17	8.17	Peak	100	19
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Modulation	ax HE20	Test Freq. (MHz)	5785																																																																						
Polarization	Horizontal																																																																								
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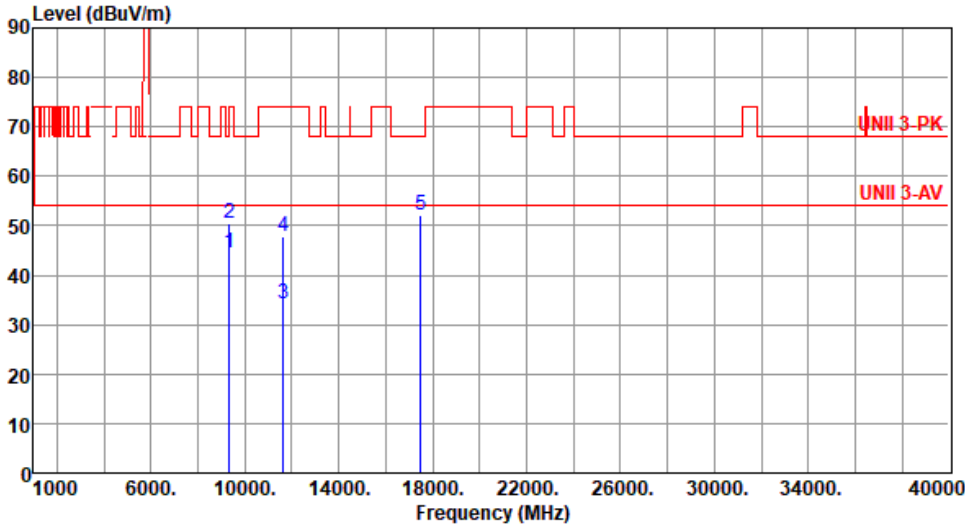


Modulation	ax HE20	Test Freq. (MHz)	5785																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9256.00</td><td>50.24</td><td>68.20</td><td>-17.96</td><td>42.08</td><td>8.16</td><td>Peak</td><td>214</td><td>8</td></tr><tr><td>2</td><td>11570.00</td><td>34.06</td><td>54.00</td><td>-19.94</td><td>25.12</td><td>8.94</td><td>Average</td><td>100</td><td>29</td></tr><tr><td>3</td><td>11570.00</td><td>47.82</td><td>74.00</td><td>-26.18</td><td>38.88</td><td>8.94</td><td>Peak</td><td>100</td><td>29</td></tr><tr><td>4</td><td>17355.00</td><td>52.19</td><td>68.20</td><td>-16.01</td><td>43.90</td><td>8.29</td><td>Peak</td><td>100</td><td>37</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9256.00	50.24	68.20	-17.96	42.08	8.16	Peak	214	8	2	11570.00	34.06	54.00	-19.94	25.12	8.94	Average	100	29	3	11570.00	47.82	74.00	-26.18	38.88	8.94	Peak	100	29	4	17355.00	52.19	68.20	-16.01	43.90	8.29	Peak	100	37
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Modulation	ax HE20	Test Freq. (MHz)	5825																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
Level (dBuV/m) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>9320.00</td><td>44.44</td><td>54.00</td><td>-9.56</td><td>36.19</td><td>8.25</td><td>Average</td><td>218</td><td>52</td></tr><tr><td>2</td><td>9320.00</td><td>50.69</td><td>74.00</td><td>-23.31</td><td>42.44</td><td>8.25</td><td>Peak</td><td>218</td><td>52</td></tr><tr><td>3</td><td>11650.00</td><td>34.61</td><td>54.00</td><td>-19.39</td><td>26.07</td><td>8.54</td><td>Average</td><td>100</td><td>22</td></tr><tr><td>4</td><td>11650.00</td><td>48.36</td><td>74.00</td><td>-25.64</td><td>39.82</td><td>8.54</td><td>Peak</td><td>100</td><td>22</td></tr><tr><td>5</td><td>17475.00</td><td>51.02</td><td>68.20</td><td>-17.18</td><td>42.40</td><td>8.62</td><td>Peak</td><td>100</td><td>58</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9320.00	44.44	54.00	-9.56	36.19	8.25	Average	218	52	2	9320.00	50.69	74.00	-23.31	42.44	8.25	Peak	218	52	3	11650.00	34.61	54.00	-19.39	26.07	8.54	Average	100	22	4	11650.00	48.36	74.00	-25.64	39.82	8.54	Peak	100	22	5	17475.00	51.02	68.20	-17.18	42.40	8.62	Peak	100	58
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Modulation	ax HE20	Test Freq. (MHz)	5825																																																												
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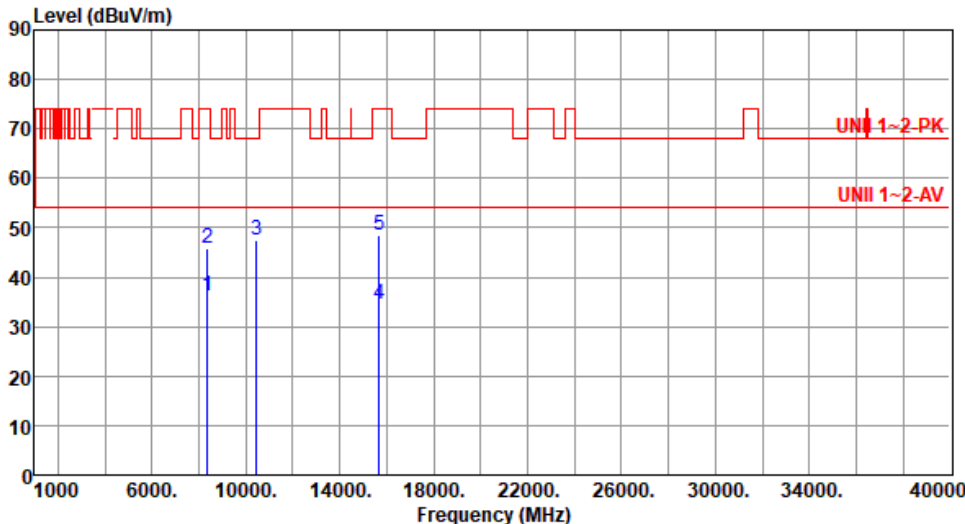
Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	5190
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

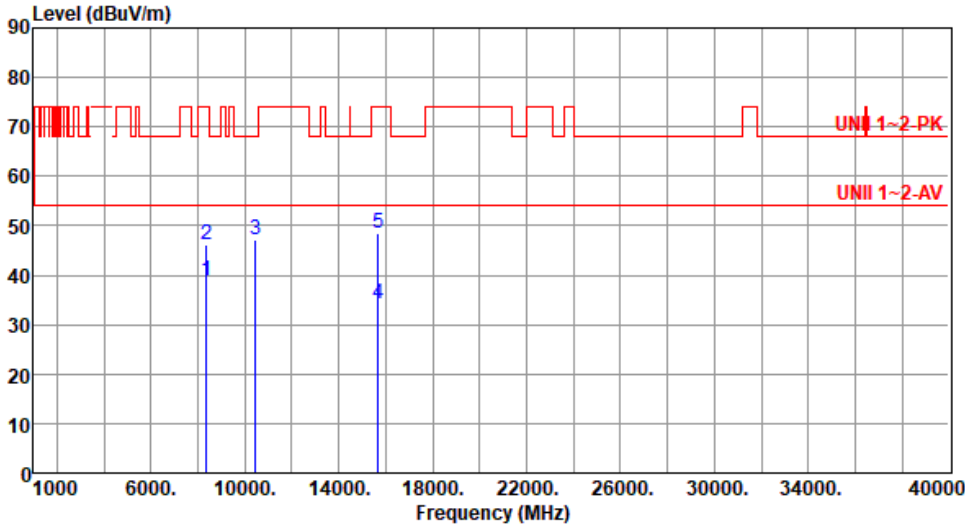


Modulation	ax HE40	Test Freq. (MHz)	5190																																																												
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Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
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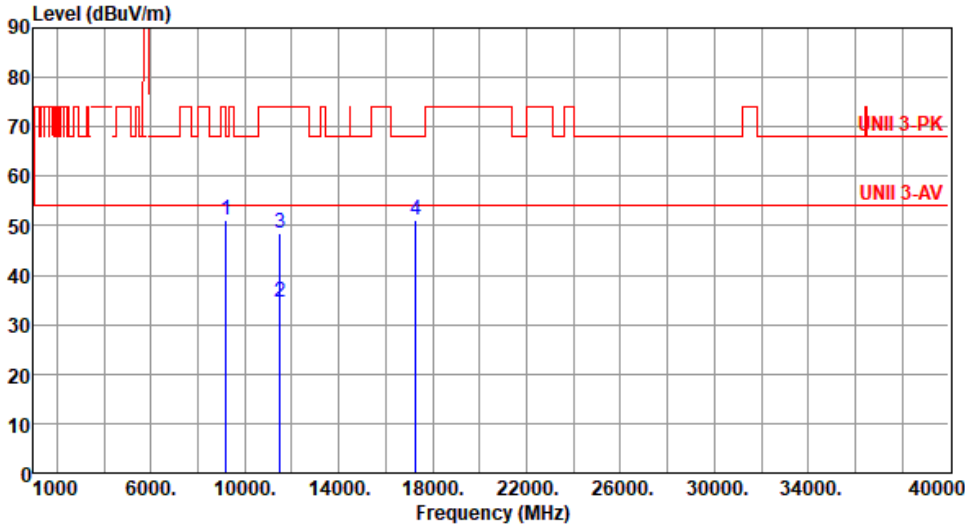


Modulation	ax HE40	Test Freq. (MHz)	5230																																																																																
Polarization	Horizontal																																																																																		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																																																			
Level (dBuV/m)  UNII 1-2-PK UNII 1-2-AV <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>8368.00</td><td>36.28</td><td>54.00</td><td>-17.72</td><td>30.20</td><td>6.08</td><td>Average</td><td>100</td><td>342</td></tr><tr><td>2</td><td>8368.00</td><td>45.69</td><td>74.00</td><td>-28.31</td><td>39.61</td><td>6.08</td><td>Peak</td><td>100</td><td>342</td></tr><tr><td>3</td><td>10460.00</td><td>47.41</td><td>68.20</td><td>-20.79</td><td>38.66</td><td>8.75</td><td>Peak</td><td>100</td><td>56</td></tr><tr><td>4</td><td>15690.00</td><td>34.42</td><td>54.00</td><td>-19.58</td><td>28.42</td><td>6.00</td><td>Average</td><td>100</td><td>31</td></tr><tr><td>5</td><td>15690.00</td><td>48.61</td><td>74.00</td><td>-25.39</td><td>42.61</td><td>6.00</td><td>Peak</td><td>100</td><td>31</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	8368.00	36.28	54.00	-17.72	30.20	6.08	Average	100	342	2	8368.00	45.69	74.00	-28.31	39.61	6.08	Peak	100	342	3	10460.00	47.41	68.20	-20.79	38.66	8.75	Peak	100	56	4	15690.00	34.42	54.00	-19.58	28.42	6.00	Average	100	31	5	15690.00	48.61	74.00	-25.39	42.61	6.00	Peak	100	31
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2	8368.00	45.69	74.00	-28.31	39.61	6.08	Peak	100	342																																																																										
3	10460.00	47.41	68.20	-20.79	38.66	8.75	Peak	100	56																																																																										
4	15690.00	34.42	54.00	-19.58	28.42	6.00	Average	100	31																																																																										
5	15690.00	48.61	74.00	-25.39	42.61	6.00	Peak	100	31																																																																										
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)	5230						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	8368.00	38.76	54.00	-15.24	32.68	6.08	Average	288	61
2	8368.00	46.15	74.00	-27.85	40.07	6.08	Peak	288	61
3	10460.00	47.24	68.20	-20.96	38.49	8.75	Peak	100	52
4	15690.00	34.22	54.00	-19.78	28.22	6.00	Average	100	45
5	15690.00	48.65	74.00	-25.35	42.65	6.00	Peak	100	45
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									

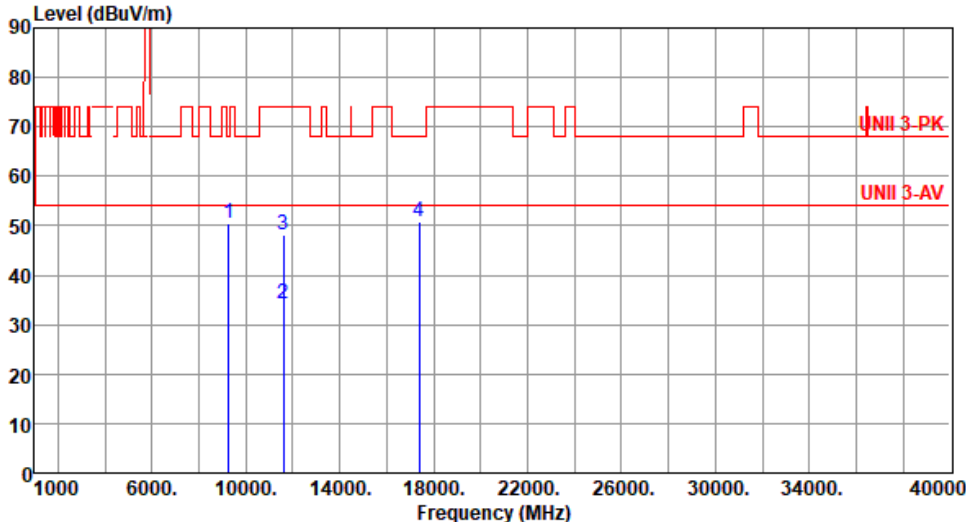


Modulation	ax HE40	Test Freq. (MHz)	5755																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
 <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9208.00</td><td>51.26</td><td>68.20</td><td>-16.94</td><td>43.35</td><td>7.91</td><td>Peak</td><td>214</td><td>35</td></tr><tr><td>2</td><td>11510.00</td><td>34.62</td><td>54.00</td><td>-19.38</td><td>25.47</td><td>9.15</td><td>Average</td><td>100</td><td>56</td></tr><tr><td>3</td><td>11510.00</td><td>48.41</td><td>74.00</td><td>-25.59</td><td>39.26</td><td>9.15</td><td>Peak</td><td>100</td><td>56</td></tr><tr><td>4</td><td>17265.00</td><td>51.03</td><td>68.20</td><td>-17.17</td><td>42.87</td><td>8.16</td><td>Peak</td><td>100</td><td>35</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9208.00	51.26	68.20	-16.94	43.35	7.91	Peak	214	35	2	11510.00	34.62	54.00	-19.38	25.47	9.15	Average	100	56	3	11510.00	48.41	74.00	-25.59	39.26	9.15	Peak	100	56	4	17265.00	51.03	68.20	-17.17	42.87	8.16	Peak	100	35
	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	9208.00	51.26	68.20	-16.94	43.35	7.91	Peak	214	35																																												
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Modulation	ax HE40	Test Freq. (MHz)	5755																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9208.00</td><td>50.28</td><td>68.20</td><td>-17.92</td><td>42.37</td><td>7.91</td><td>Peak</td><td>234</td><td>8</td></tr><tr><td>2</td><td>11510.00</td><td>34.16</td><td>54.00</td><td>-19.84</td><td>25.01</td><td>9.15</td><td>Average</td><td>100</td><td>39</td></tr><tr><td>3</td><td>11510.00</td><td>47.87</td><td>74.00</td><td>-26.13</td><td>38.72</td><td>9.15</td><td>Peak</td><td>100</td><td>39</td></tr><tr><td>4</td><td>17265.00</td><td>52.24</td><td>68.20</td><td>-15.96</td><td>44.08</td><td>8.16</td><td>Peak</td><td>100</td><td>11</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9208.00	50.28	68.20	-17.92	42.37	7.91	Peak	234	8	2	11510.00	34.16	54.00	-19.84	25.01	9.15	Average	100	39	3	11510.00	47.87	74.00	-26.13	38.72	9.15	Peak	100	39	4	17265.00	52.24	68.20	-15.96	44.08	8.16	Peak	100	11
	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	9208.00	50.28	68.20	-17.92	42.37	7.91	Peak	234	8																																												
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Modulation	ax HE40	Test Freq. (MHz)	5795						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	9272.00	50.64	68.20	-17.56	42.45	8.19	Peak	216	33
2	11590.00	34.36	54.00	-19.64	25.54	8.82	Average	100	44
3	11590.00	48.12	74.00	-25.88	39.30	8.82	Peak	100	44
4	17385.00	50.92	68.20	-17.28	42.44	8.48	Peak	100	48
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).									



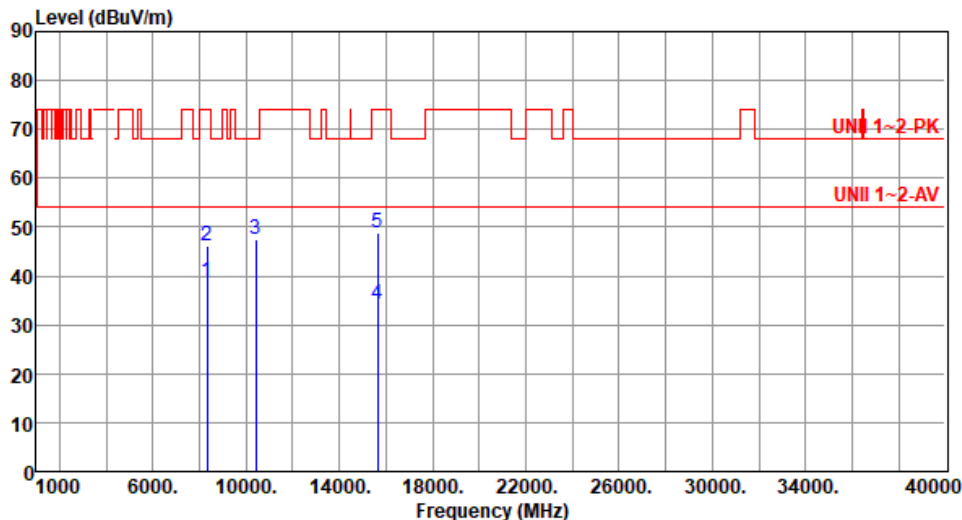
Modulation	ax HE40	Test Freq. (MHz)	5795																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
Level (dBUV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9272.00</td><td>50.34</td><td>68.20</td><td>-17.86</td><td>42.15</td><td>8.19</td><td>Peak</td><td>211</td><td>13</td></tr><tr><td>2</td><td>11590.00</td><td>34.22</td><td>54.00</td><td>-19.78</td><td>25.40</td><td>8.82</td><td>Average</td><td>100</td><td>24</td></tr><tr><td>3</td><td>11590.00</td><td>47.89</td><td>74.00</td><td>-26.11</td><td>39.07</td><td>8.82</td><td>Peak</td><td>100</td><td>24</td></tr><tr><td>4</td><td>17385.00</td><td>52.25</td><td>68.20</td><td>-15.95</td><td>43.77</td><td>8.48</td><td>Peak</td><td>100</td><td>52</td></tr></tbody></table> Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9272.00	50.34	68.20	-17.86	42.15	8.19	Peak	211	13	2	11590.00	34.22	54.00	-19.78	25.40	8.82	Average	100	24	3	11590.00	47.89	74.00	-26.11	39.07	8.82	Peak	100	24	4	17385.00	52.25	68.20	-15.95	43.77	8.48	Peak	100	52
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
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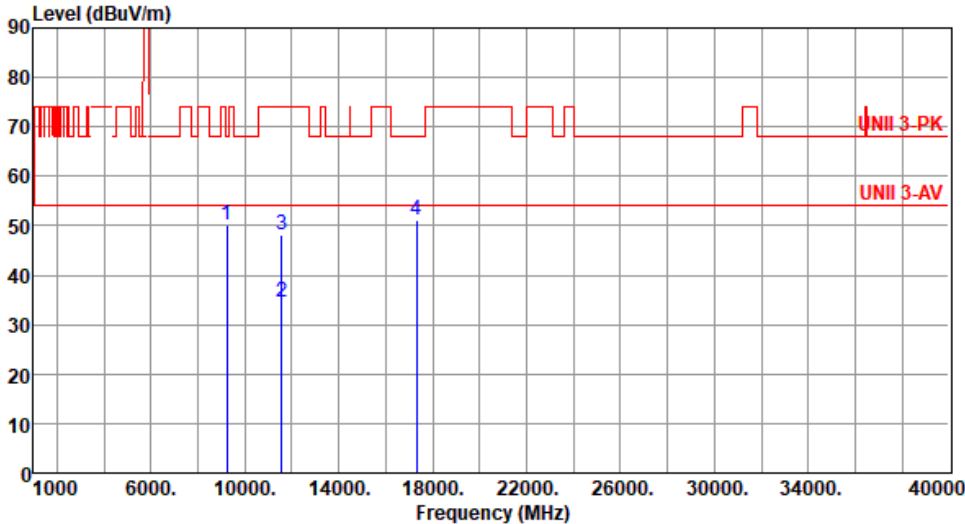
Unwanted Emissions (Above 1GHz) for ax HE80

Modulation	ax HE80	Test Freq. (MHz)	5210																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
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Modulation	ax HE80	Test Freq. (MHz)	5210																																																												
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Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
																																																															
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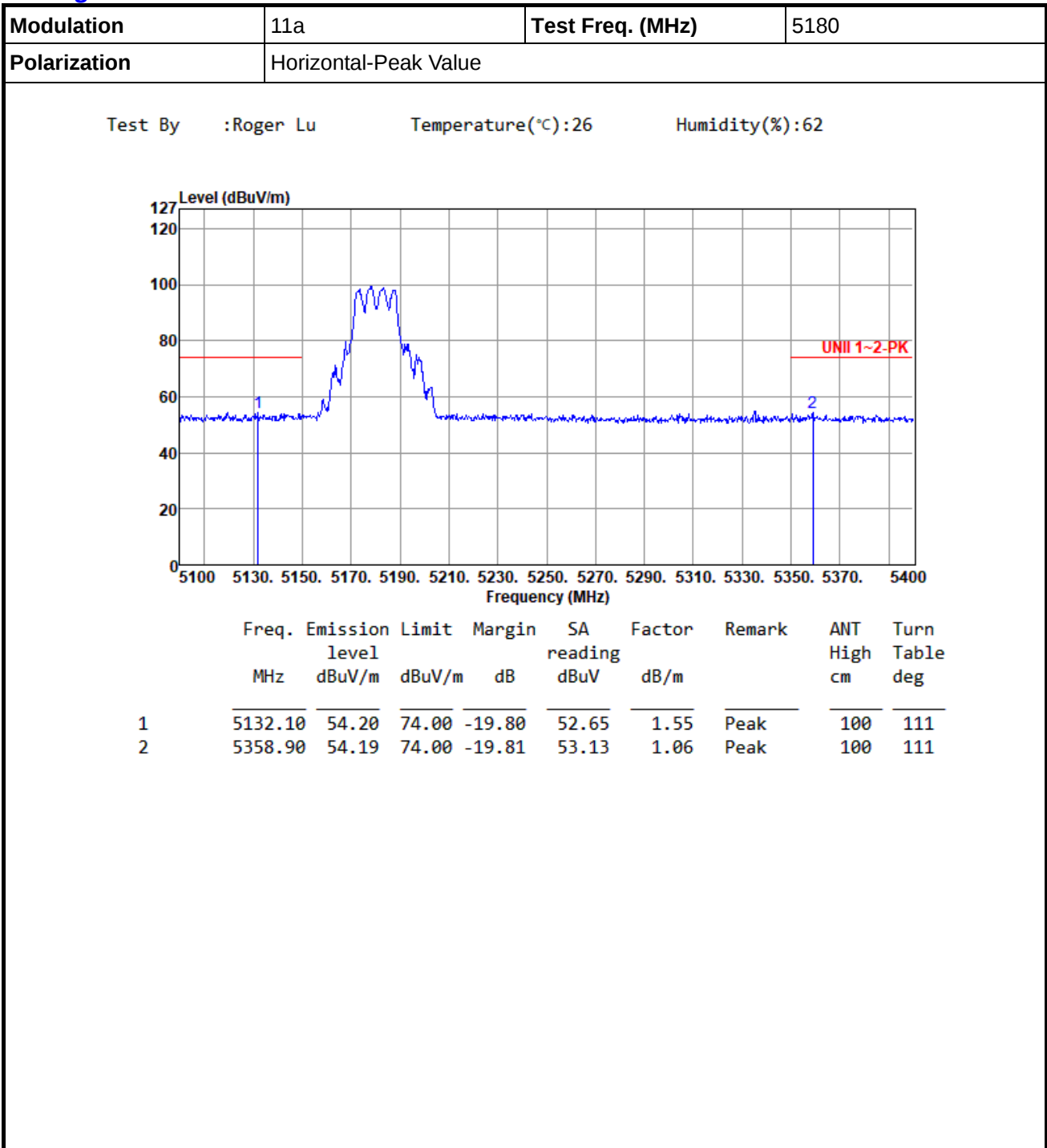
Modulation	ax HE80	Test Freq. (MHz)	5775																																																		
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Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
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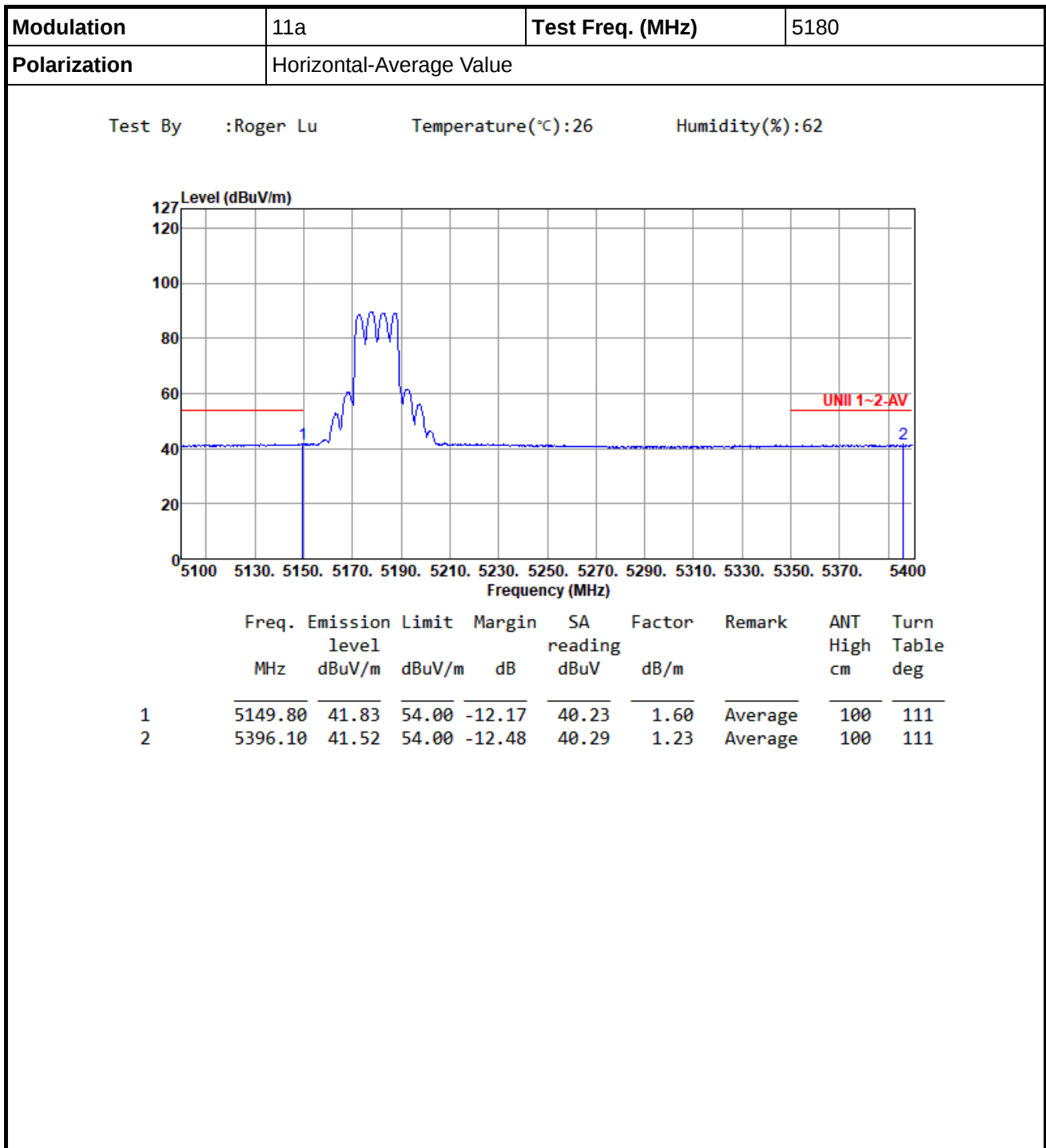


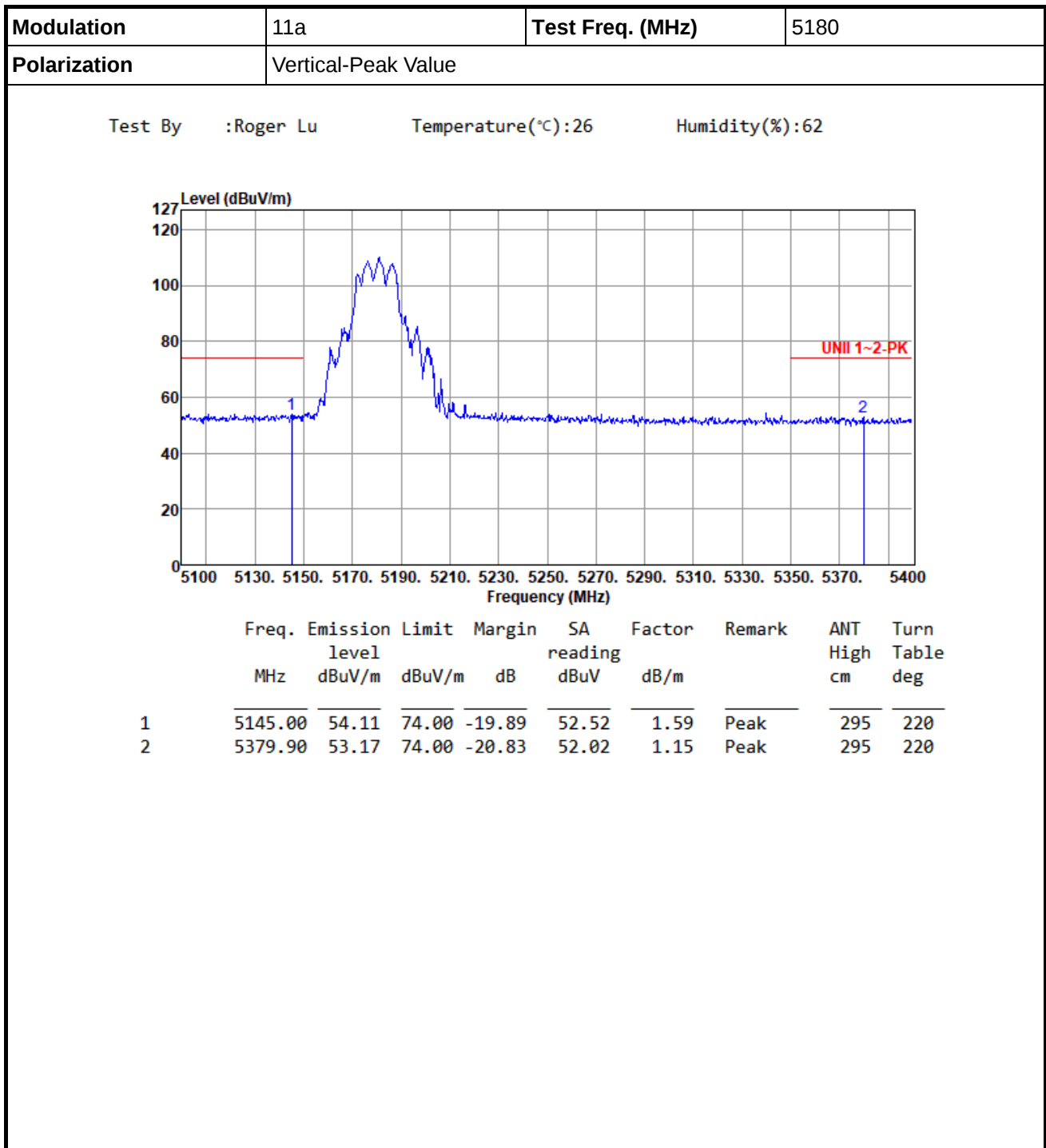
Modulation	ax HE80	Test Freq. (MHz)	5775																																																		
Polarization	Vertical																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>9240.00</td><td>50.14</td><td>68.20</td><td>-18.06</td><td>42.05</td><td>8.09</td><td>Peak</td><td>218</td><td>3</td></tr><tr><td>2</td><td>11550.00</td><td>34.02</td><td>54.00</td><td>-19.98</td><td>24.96</td><td>9.06</td><td>Average</td><td>100</td><td>31</td></tr><tr><td>3</td><td>11550.00</td><td>47.68</td><td>74.00</td><td>-26.32</td><td>38.62</td><td>9.06</td><td>Peak</td><td>100</td><td>31</td></tr><tr><td>4</td><td>17325.00</td><td>52.11</td><td>68.20</td><td>-16.09</td><td>43.89</td><td>8.22</td><td>Peak</td><td>100</td><td>48</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	9240.00	50.14	68.20	-18.06	42.05	8.09	Peak	218	3	2	11550.00	34.02	54.00	-19.98	24.96	9.06	Average	100	31	3	11550.00	47.68	74.00	-26.32	38.62	9.06	Peak	100	31	4	17325.00	52.11	68.20	-16.09	43.89	8.22	Peak	100	48
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
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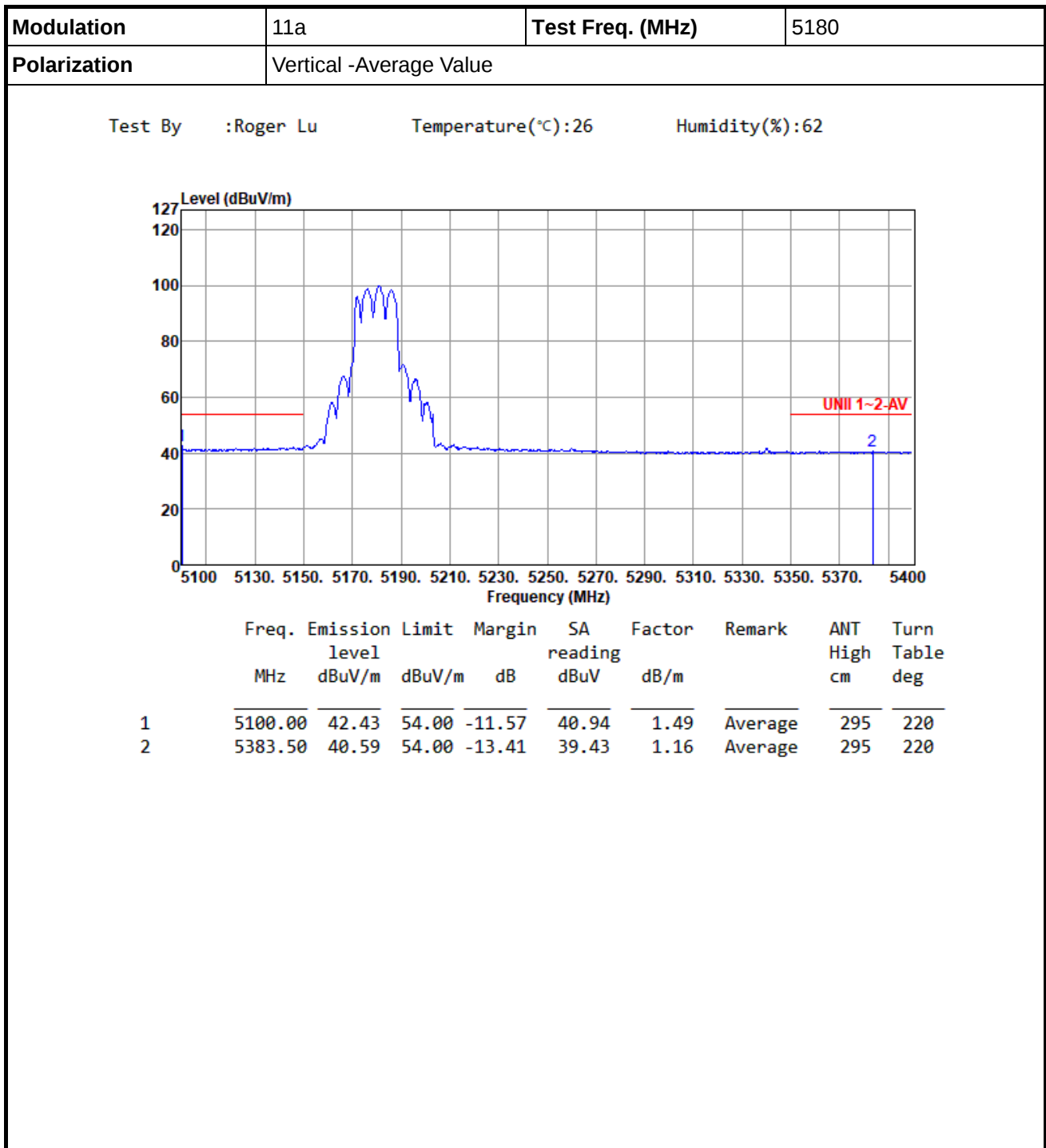


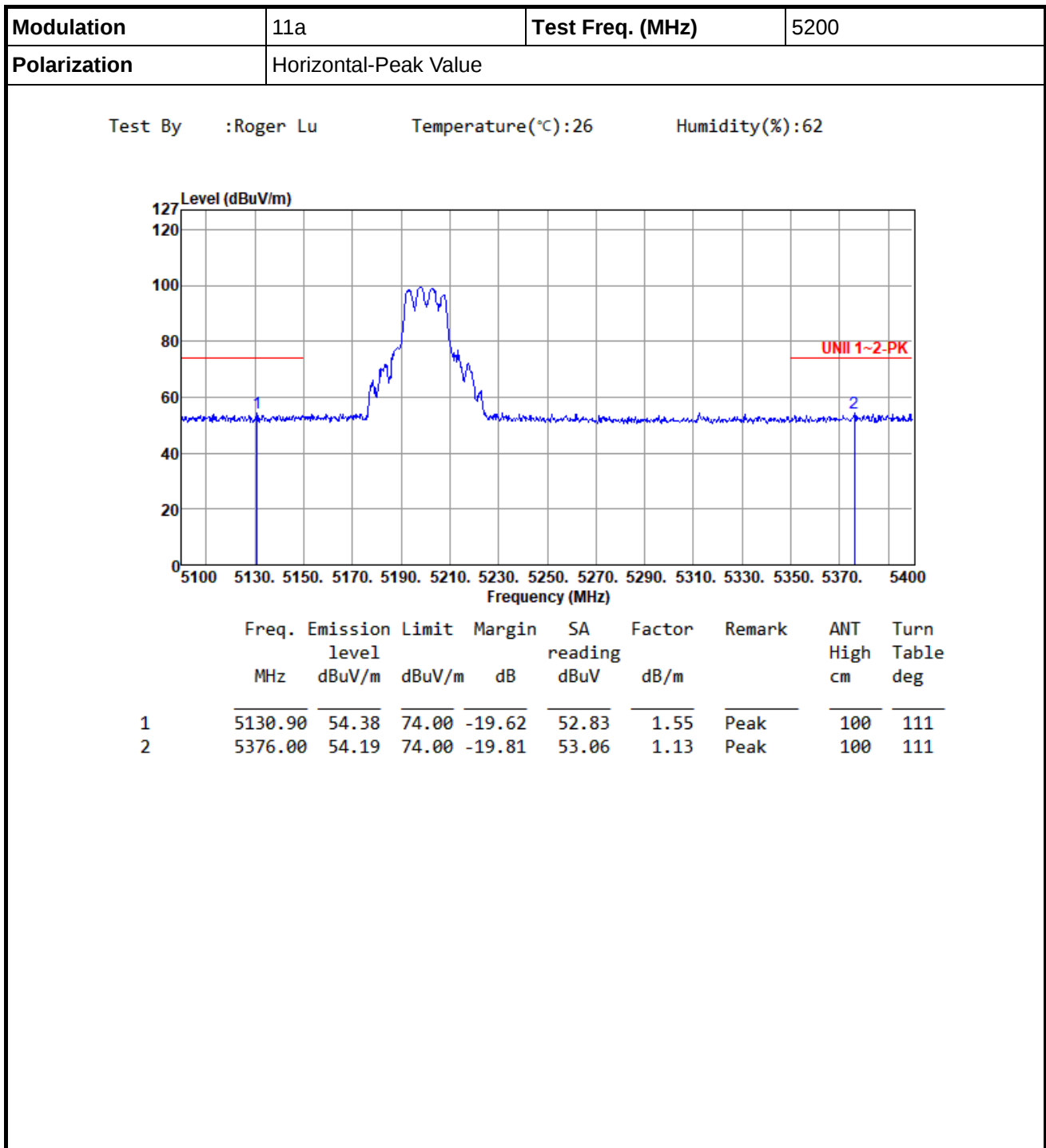
Configuration 1: AP Radio

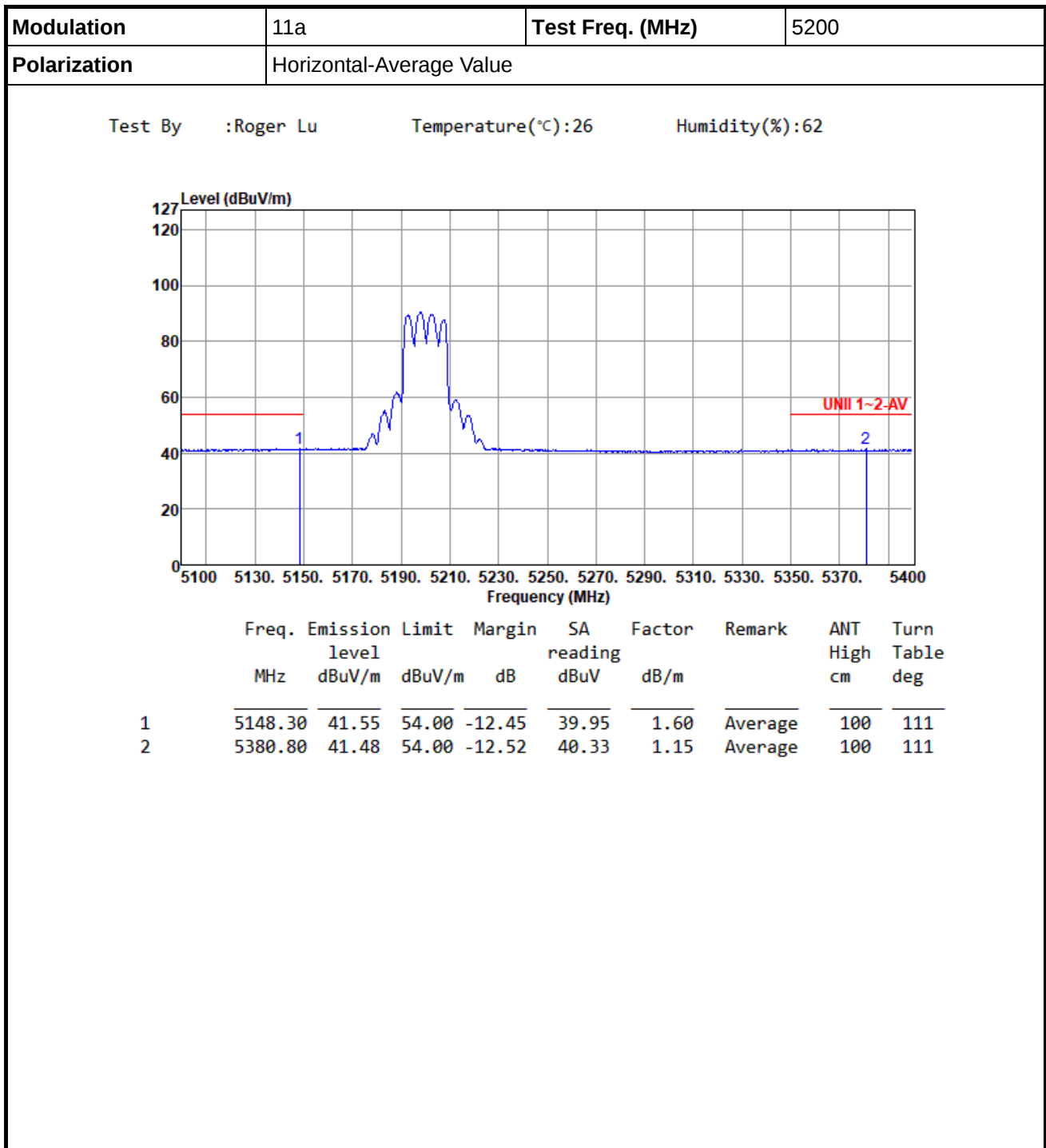


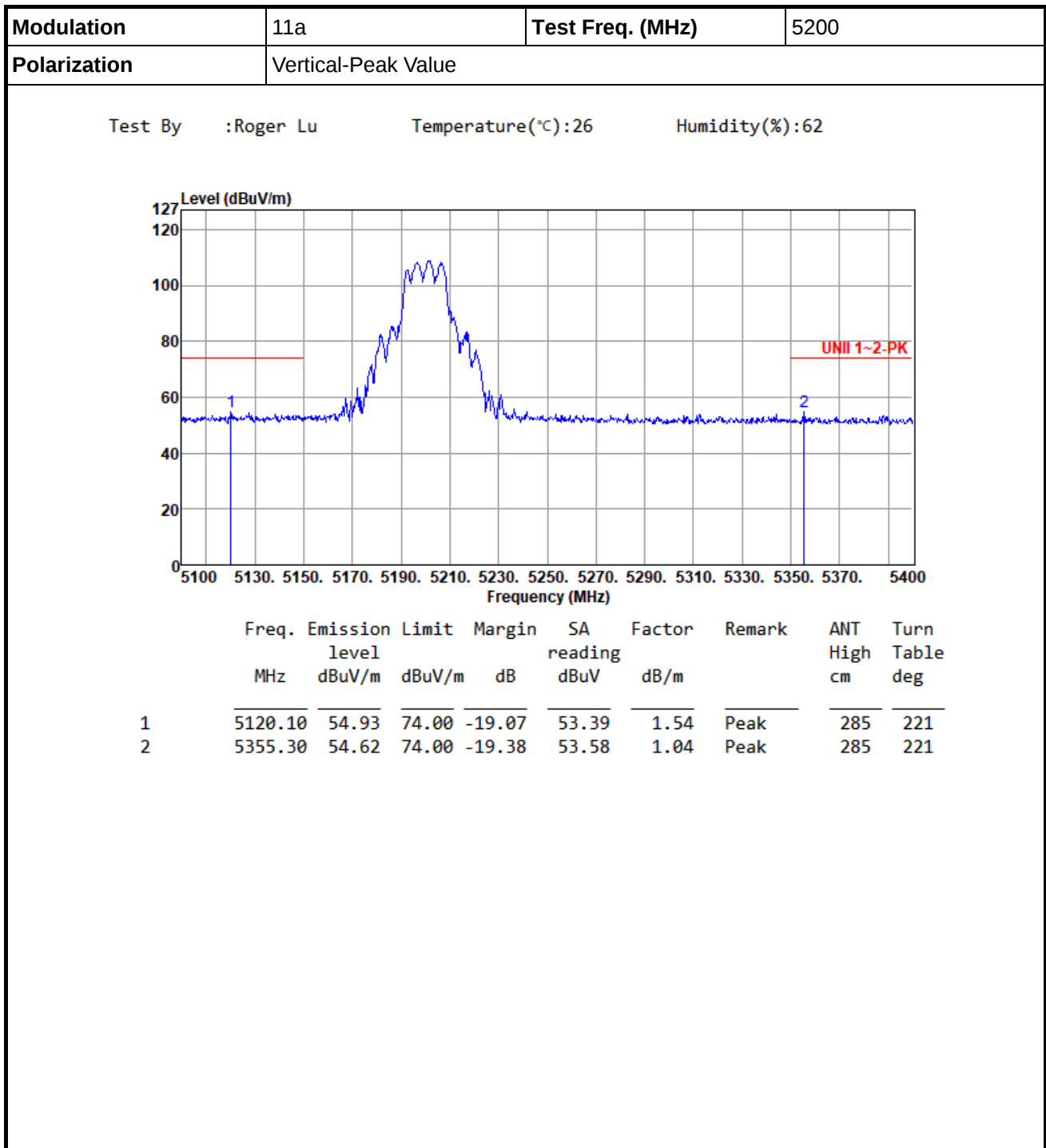


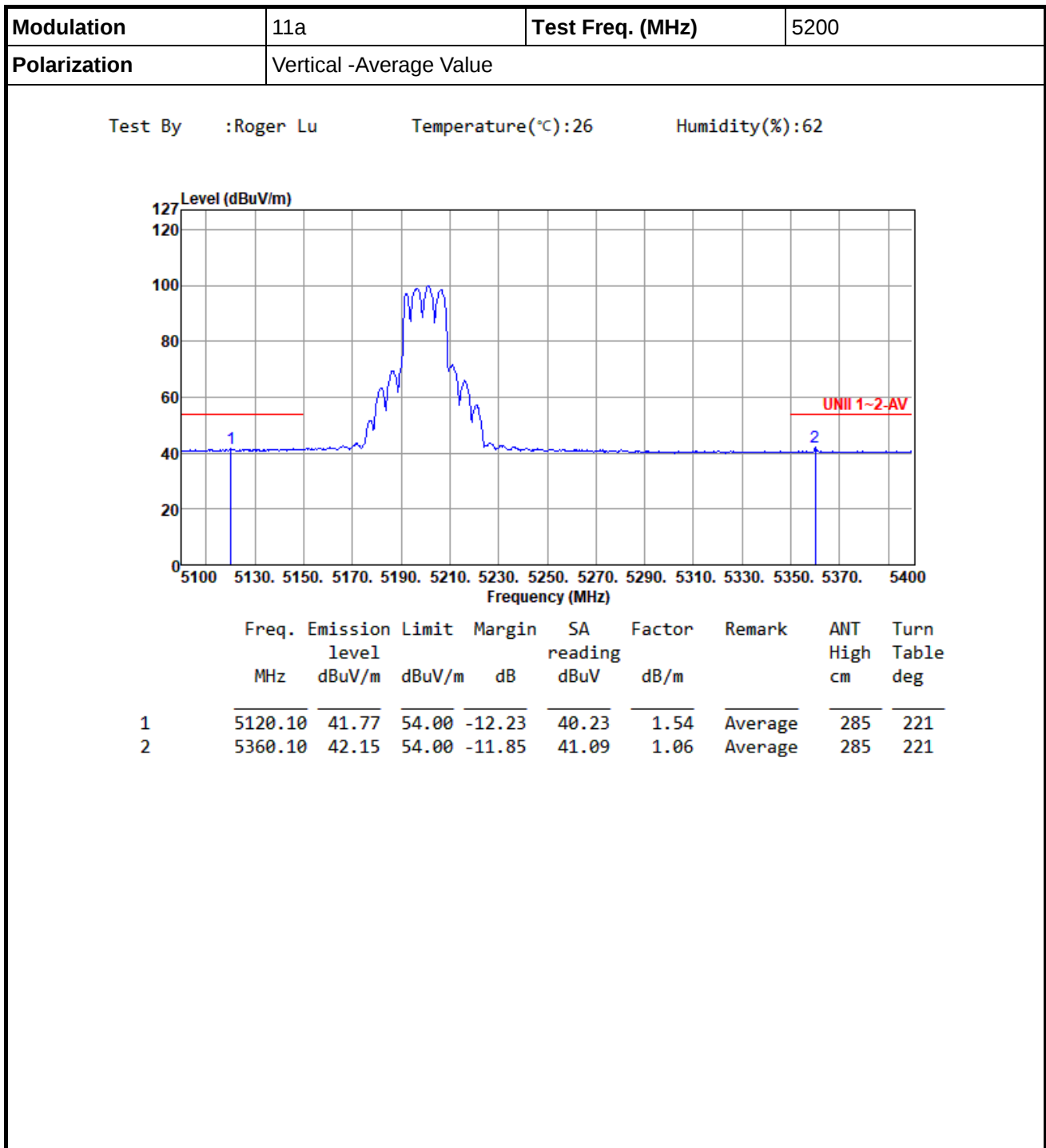


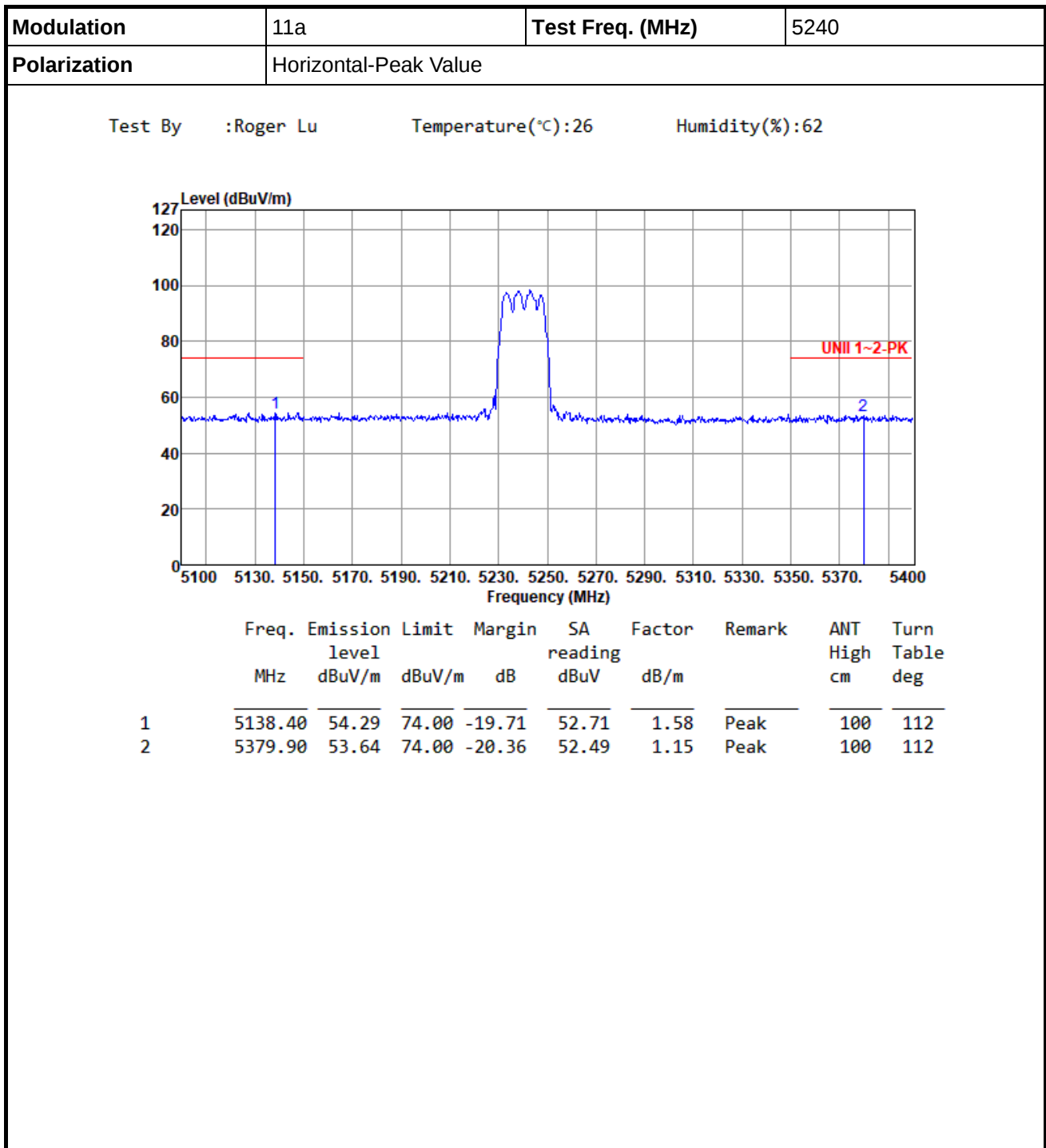


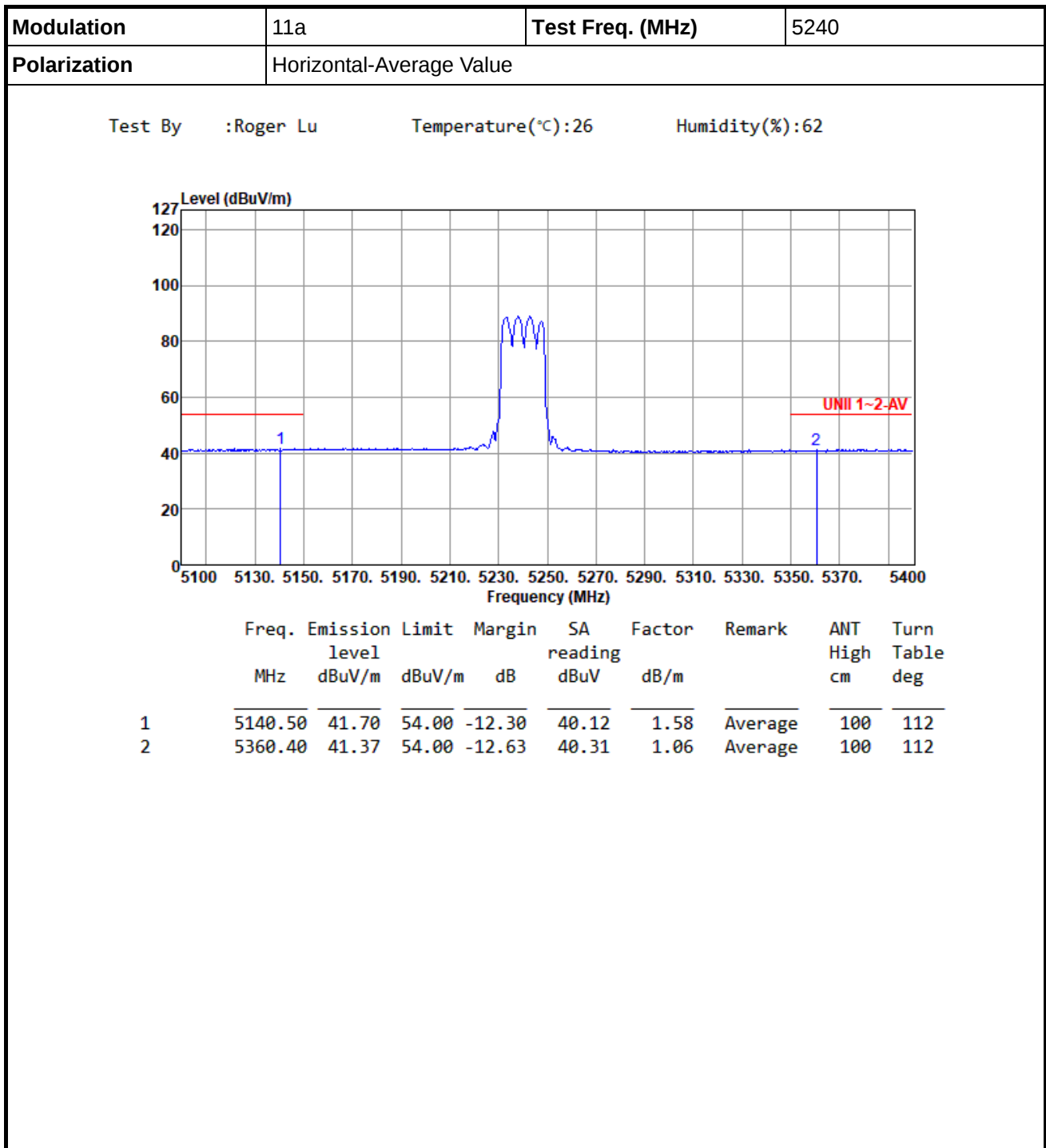


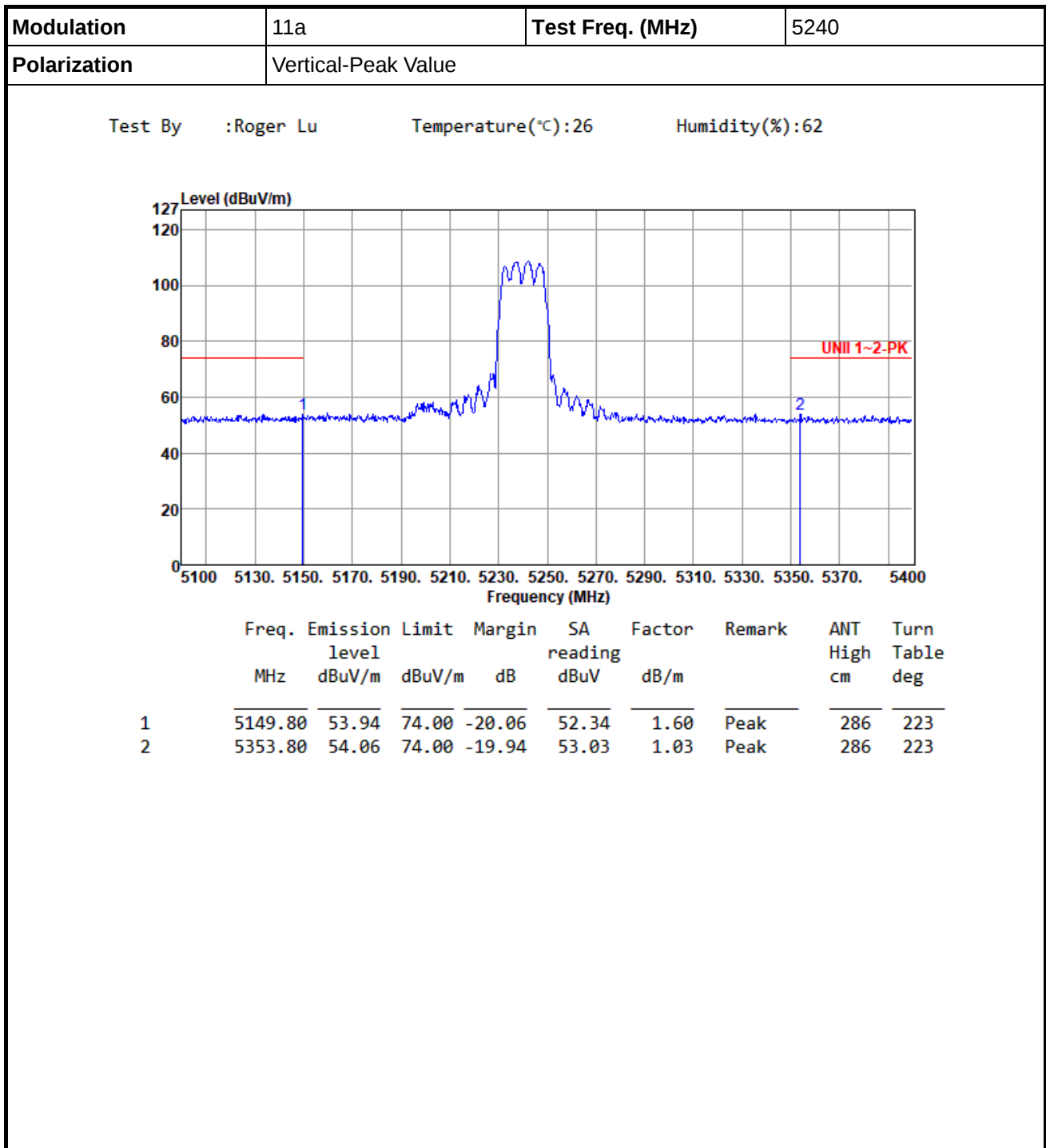


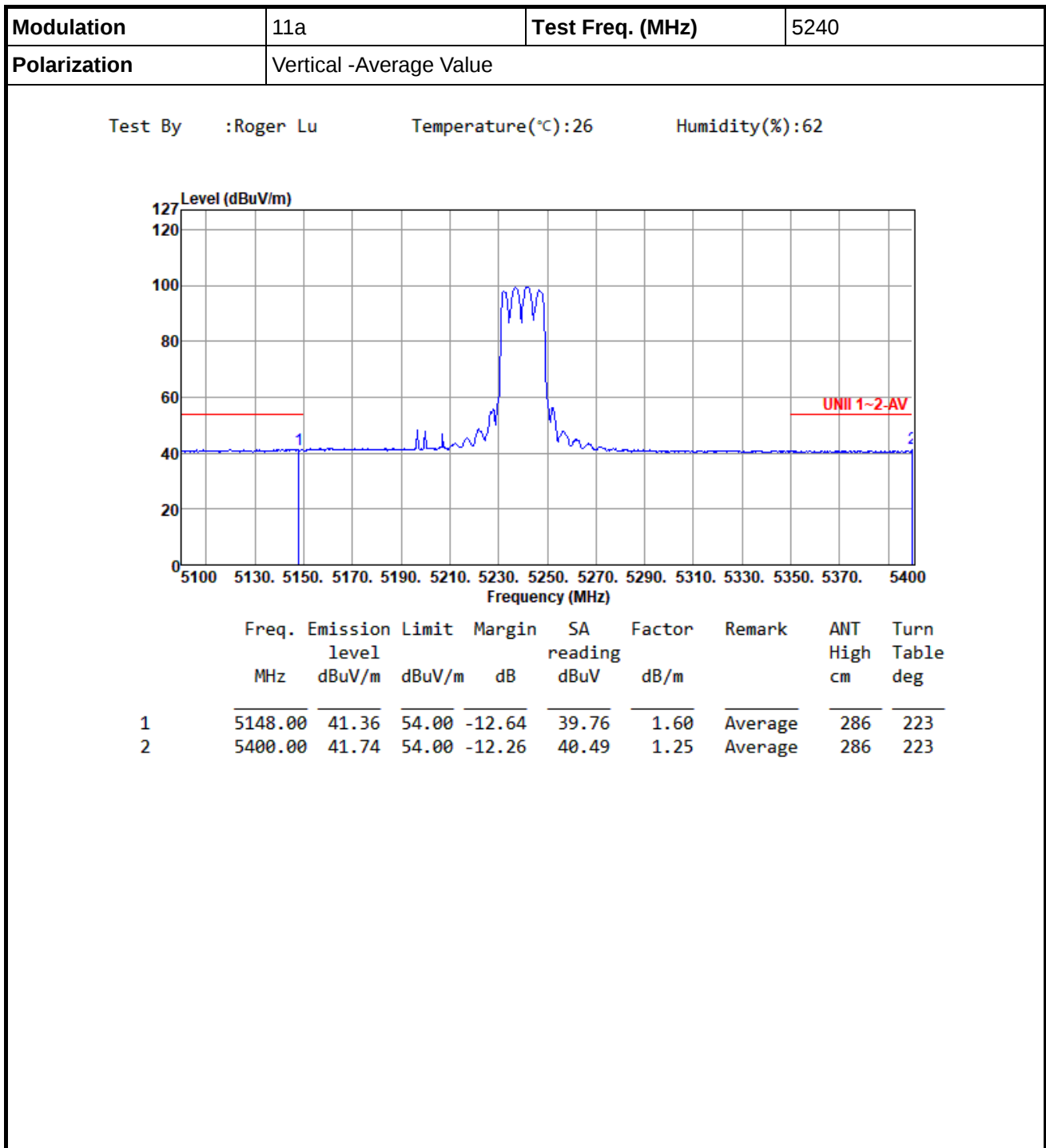


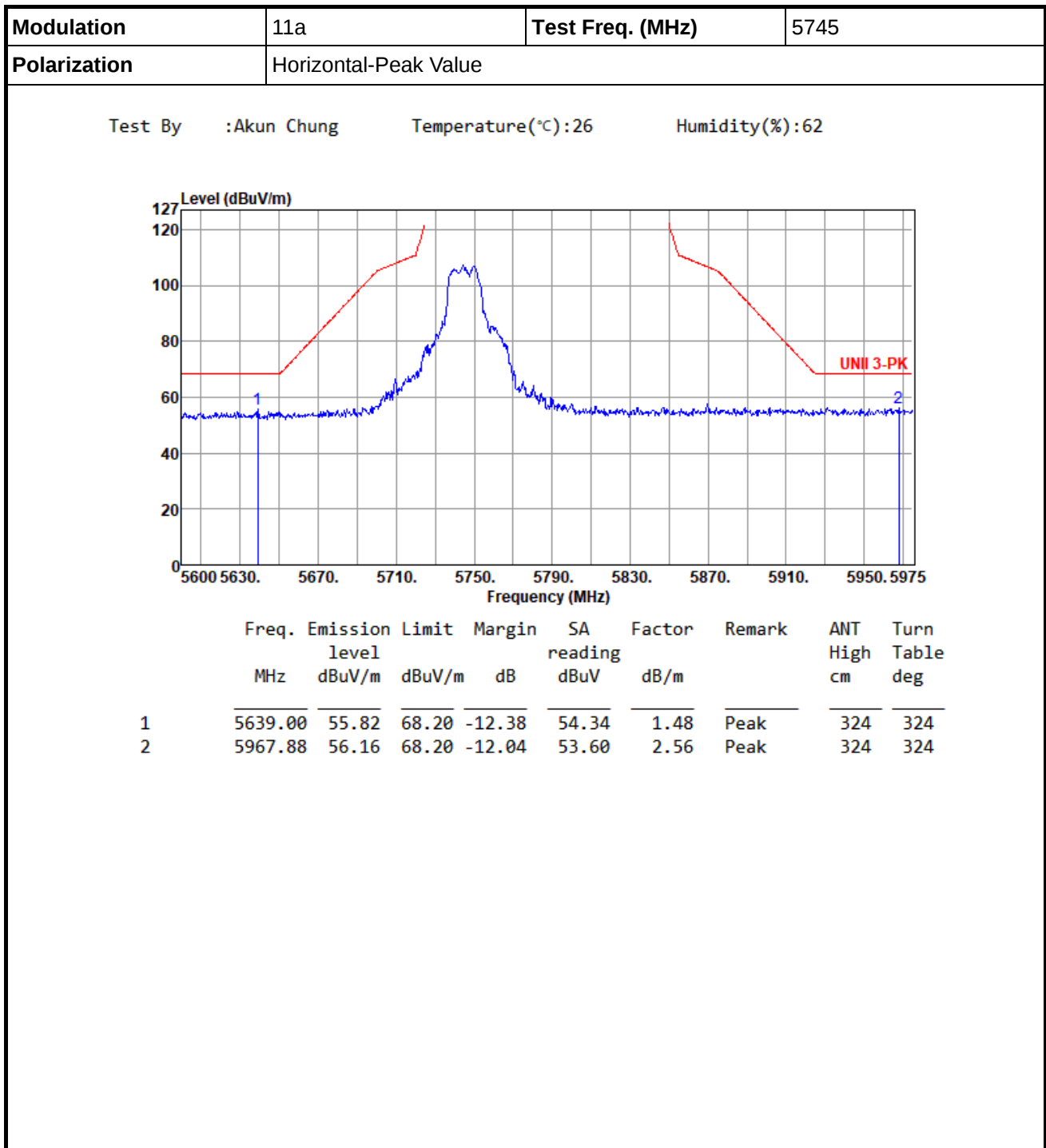


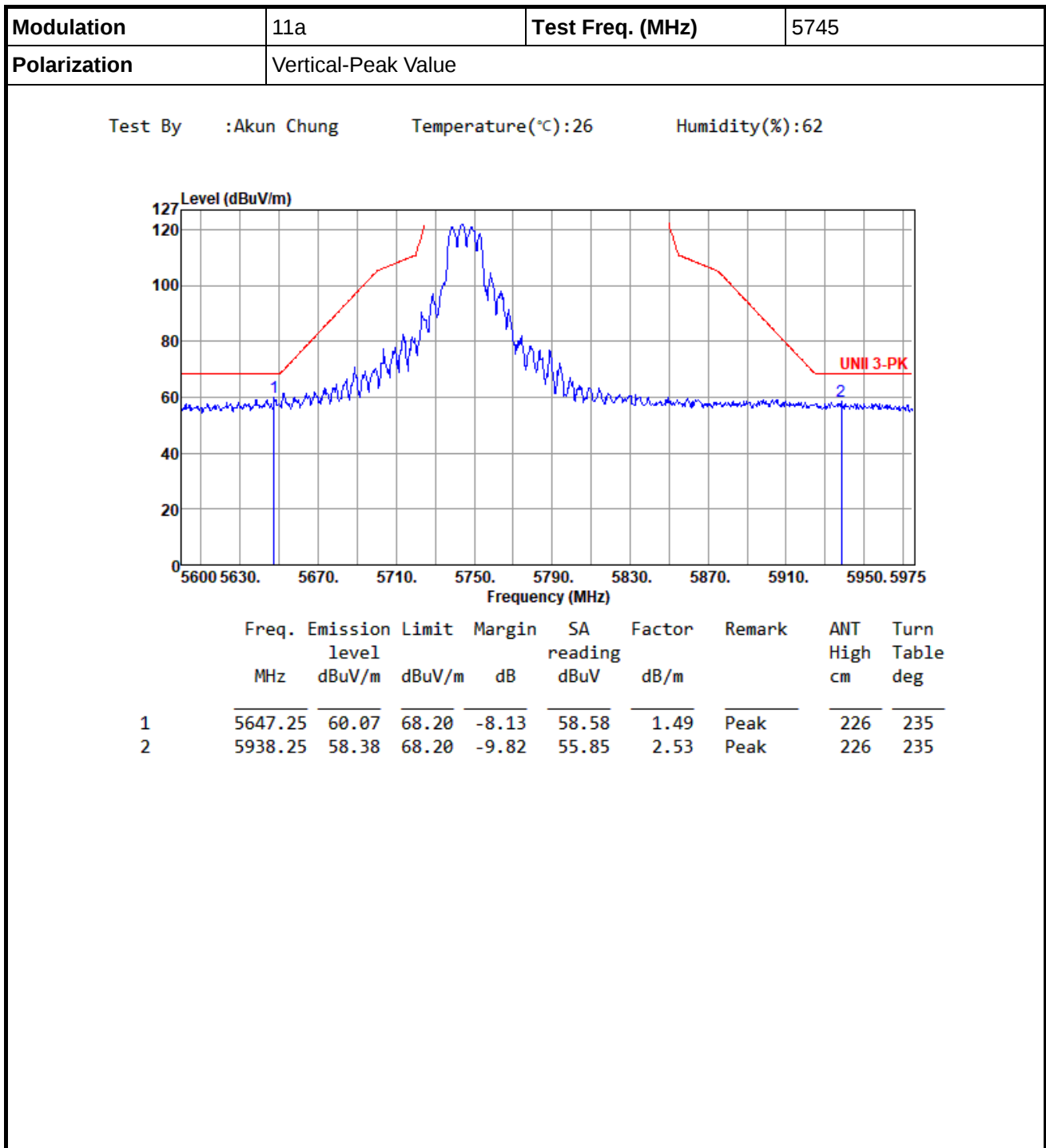


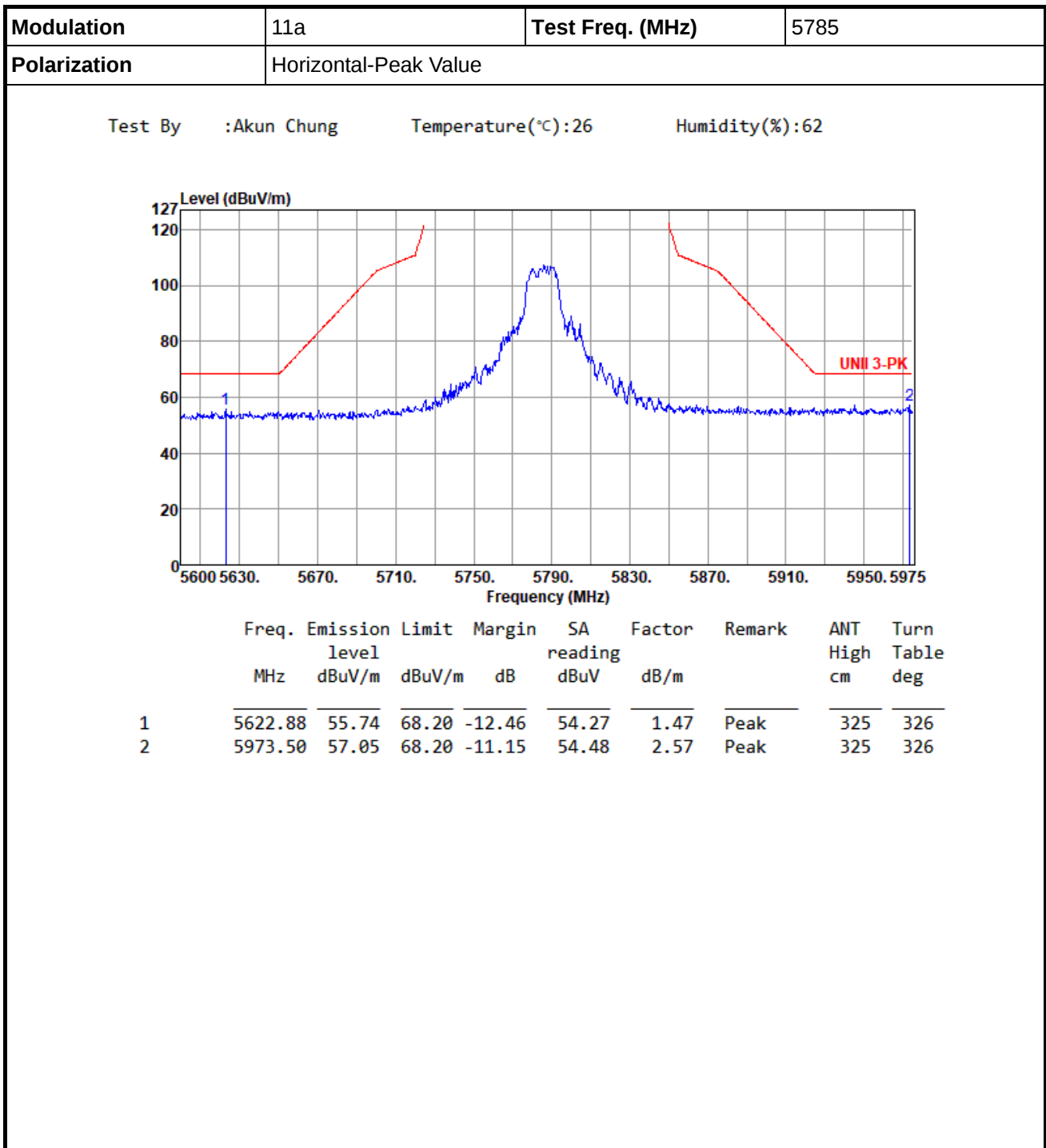


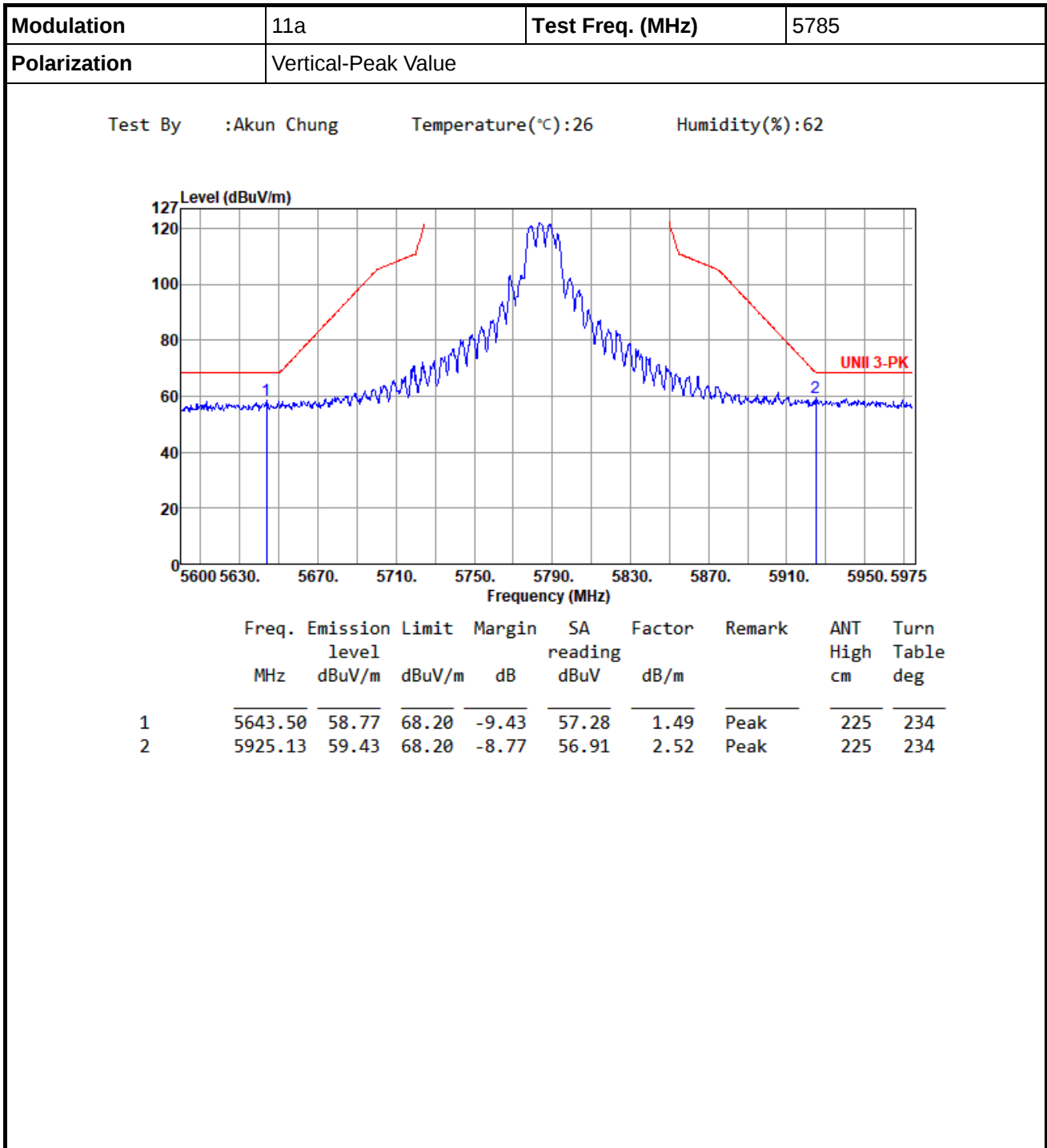


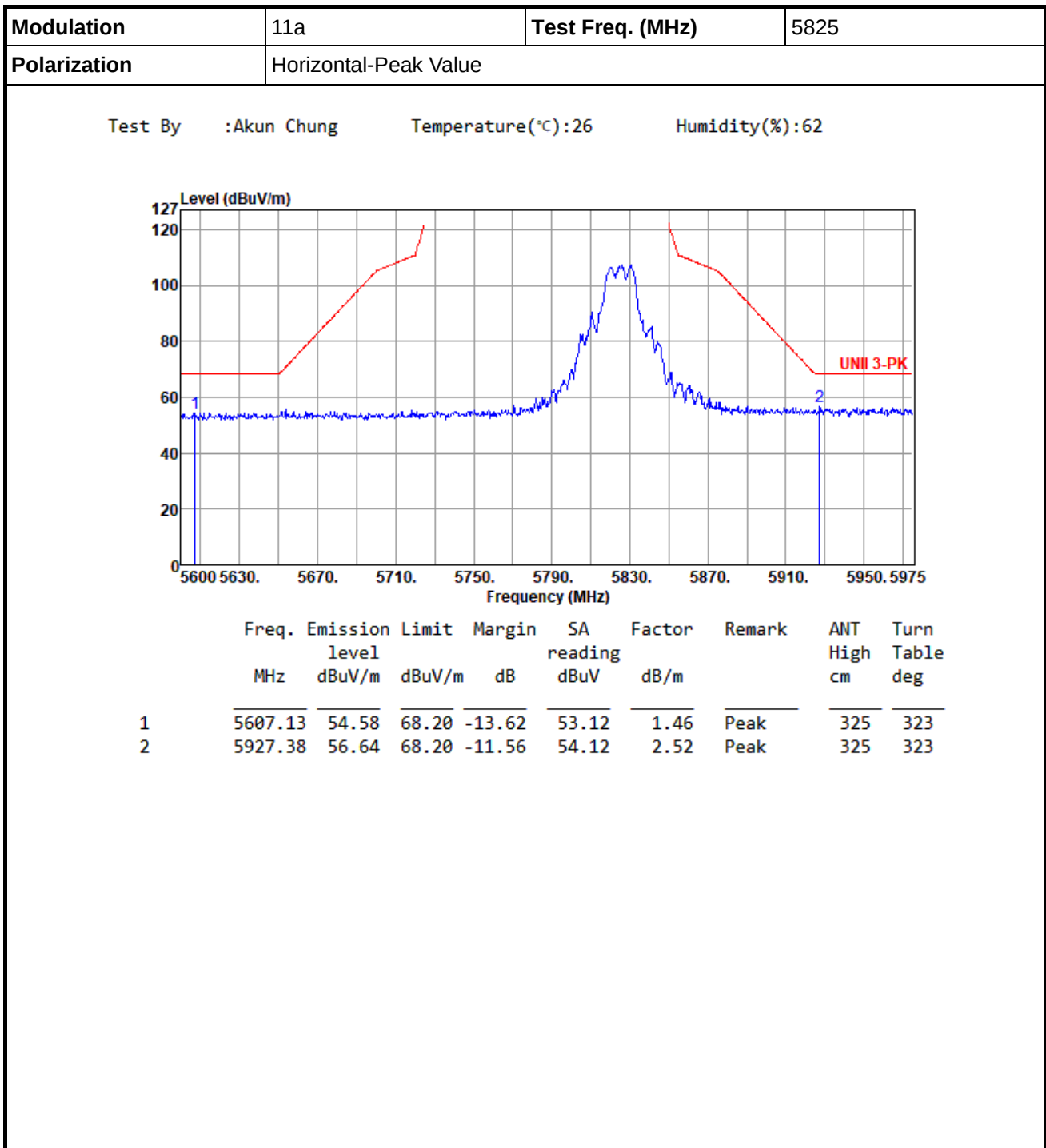


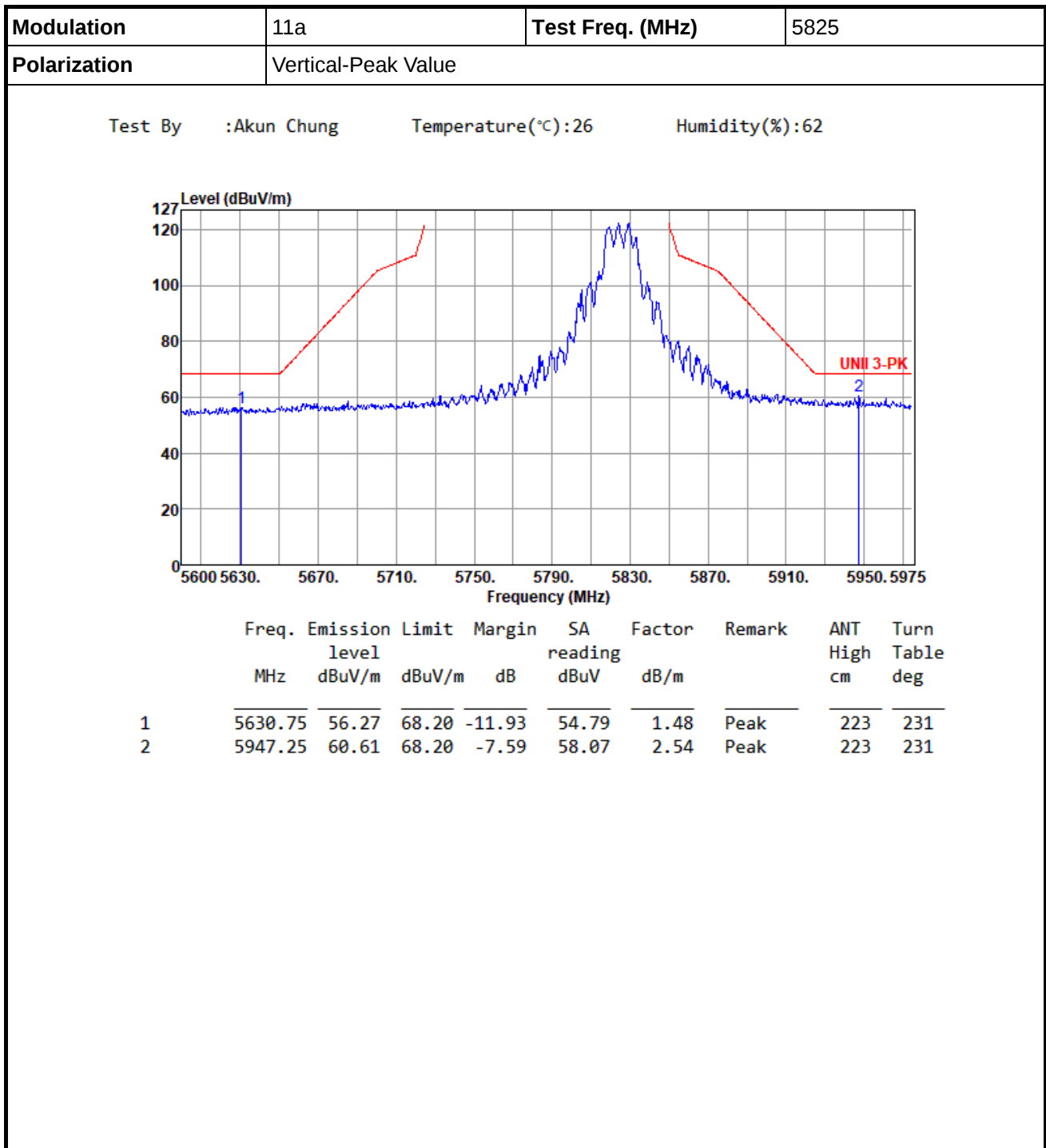


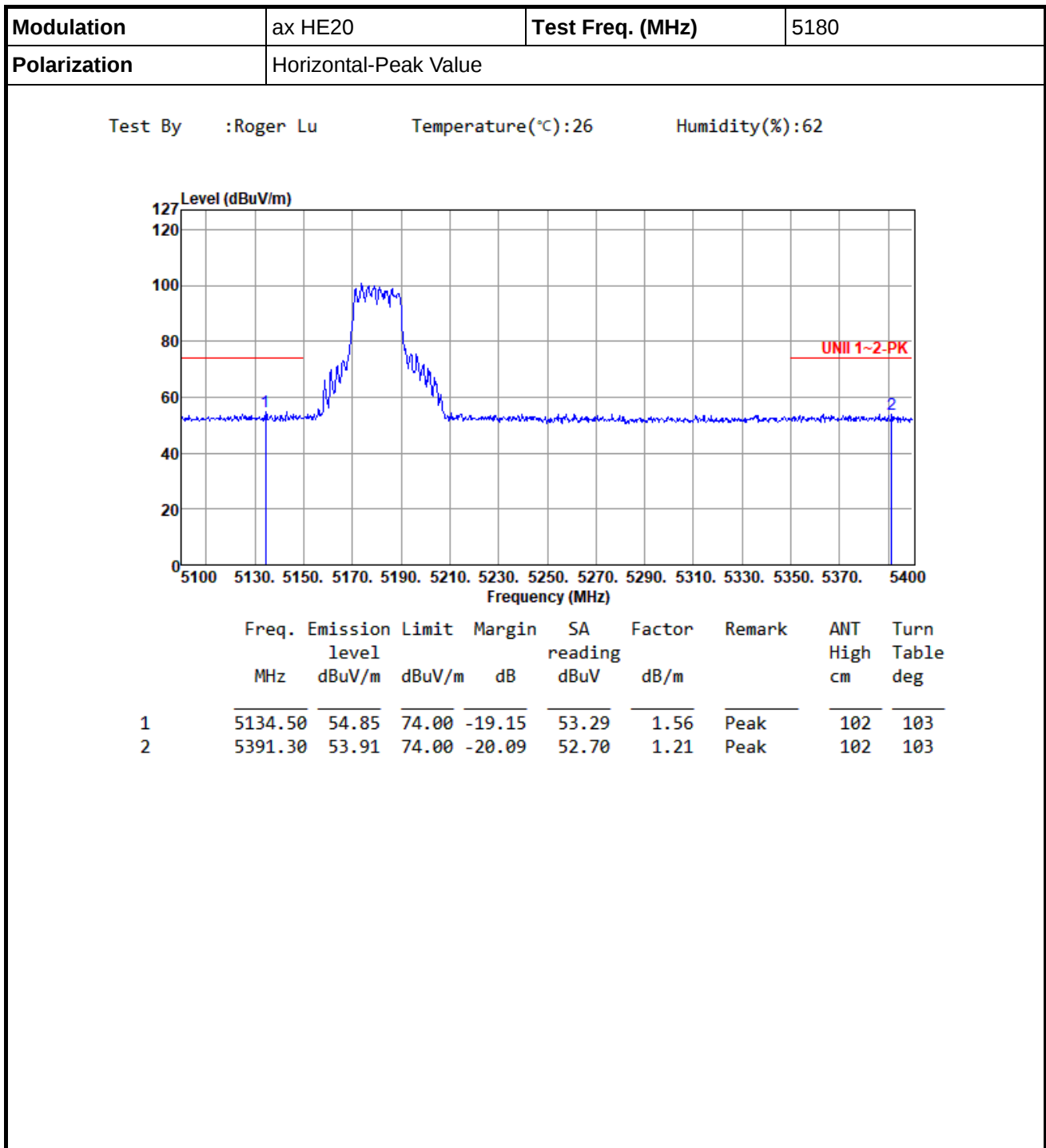


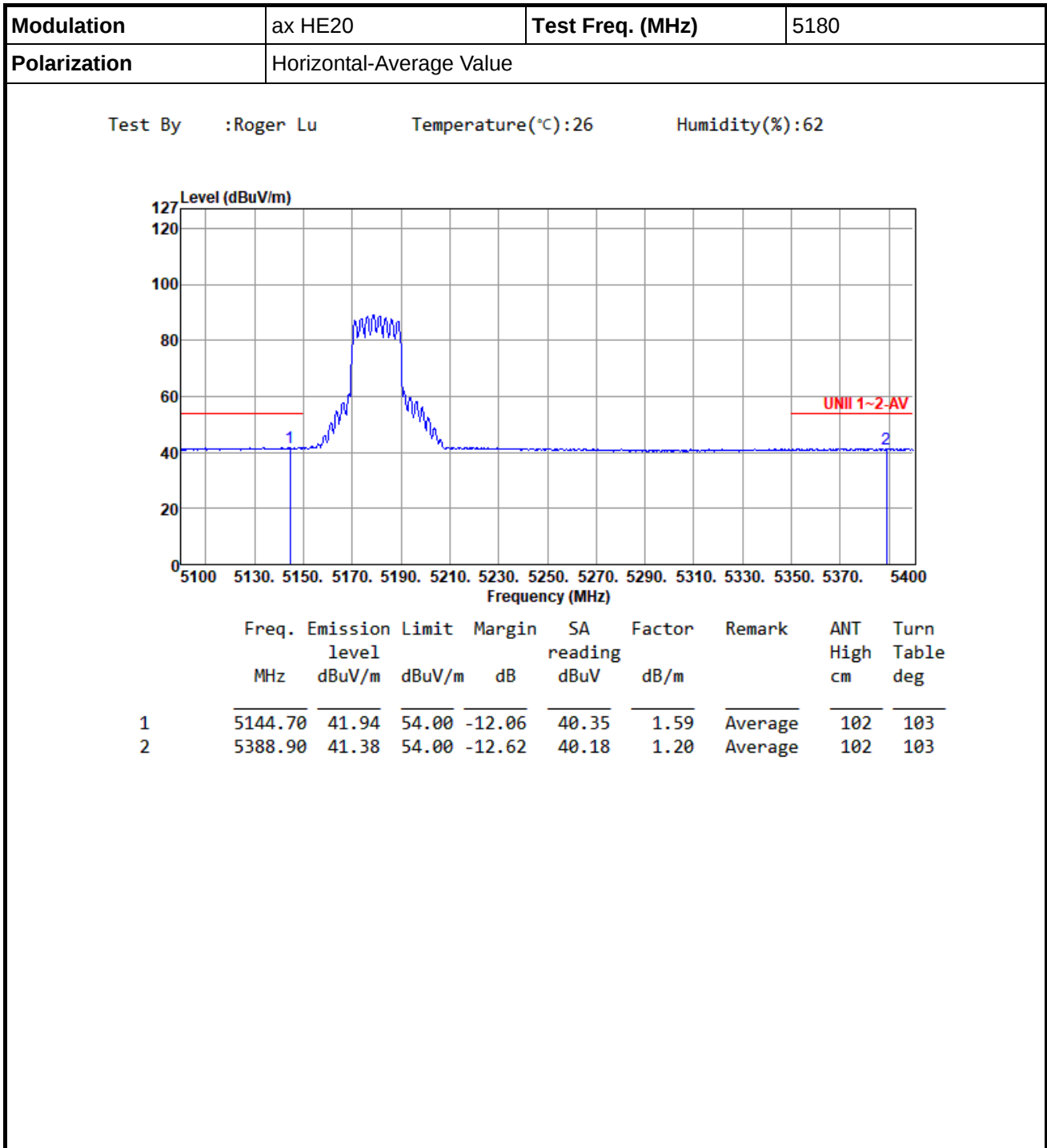


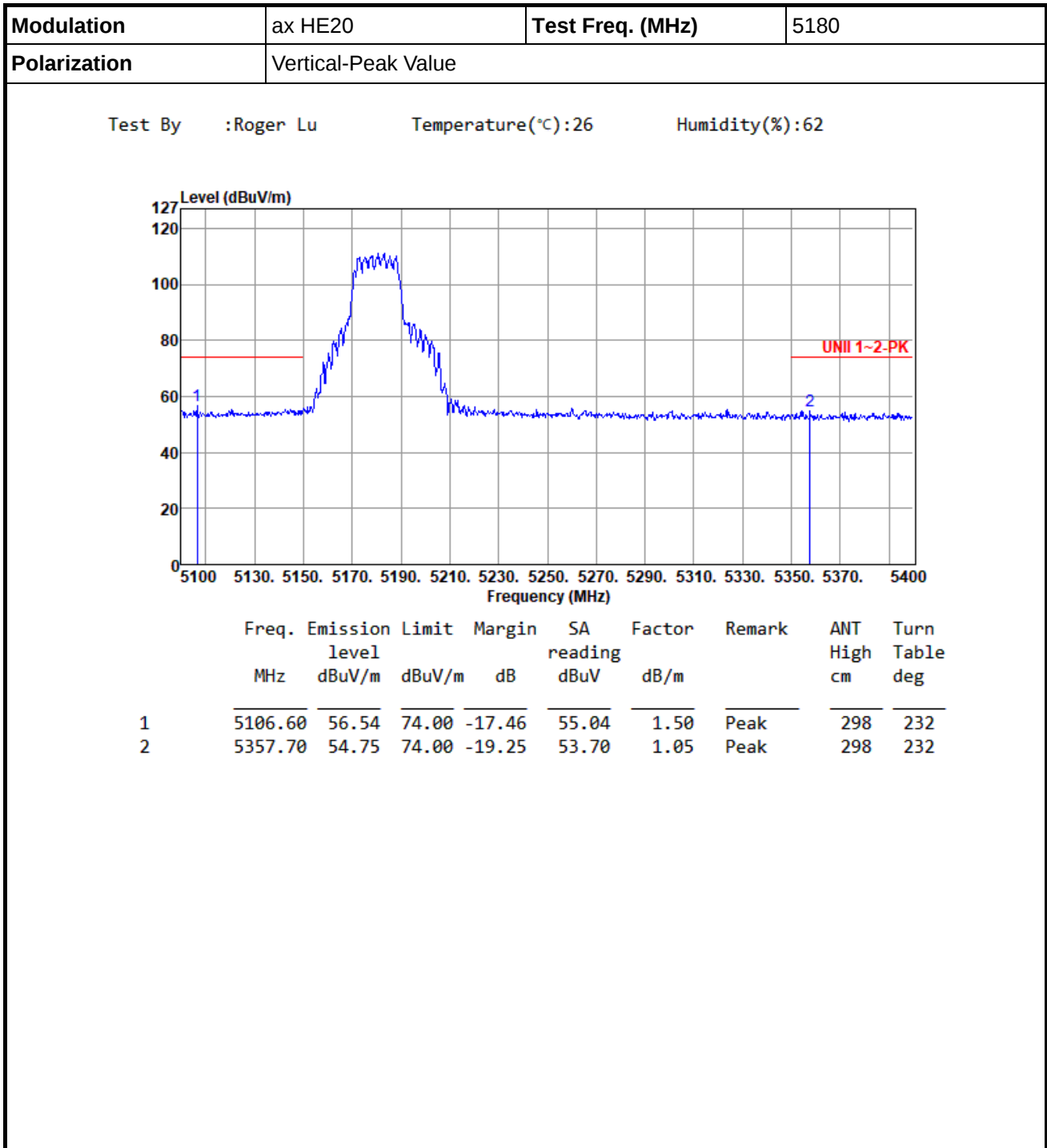


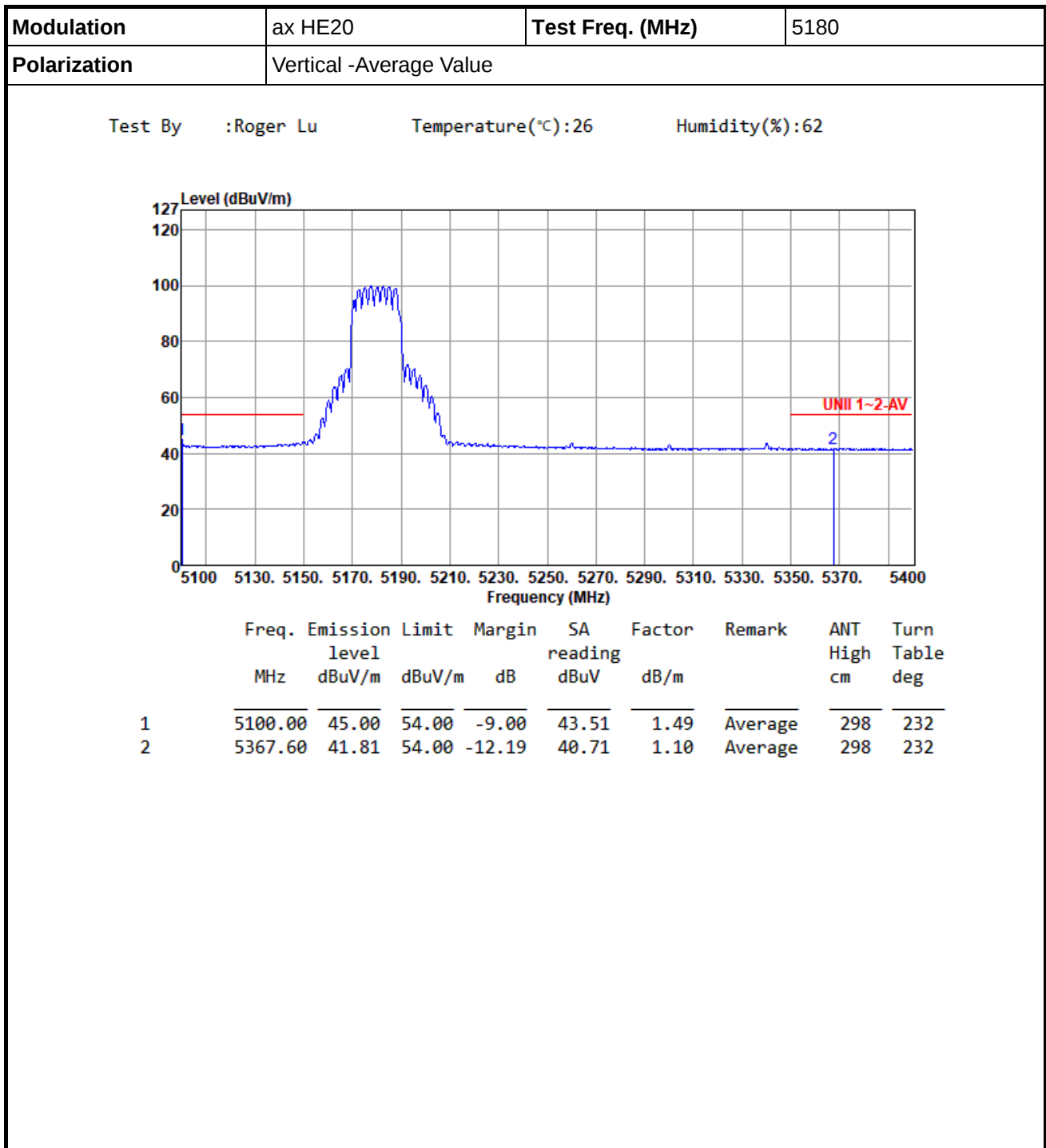


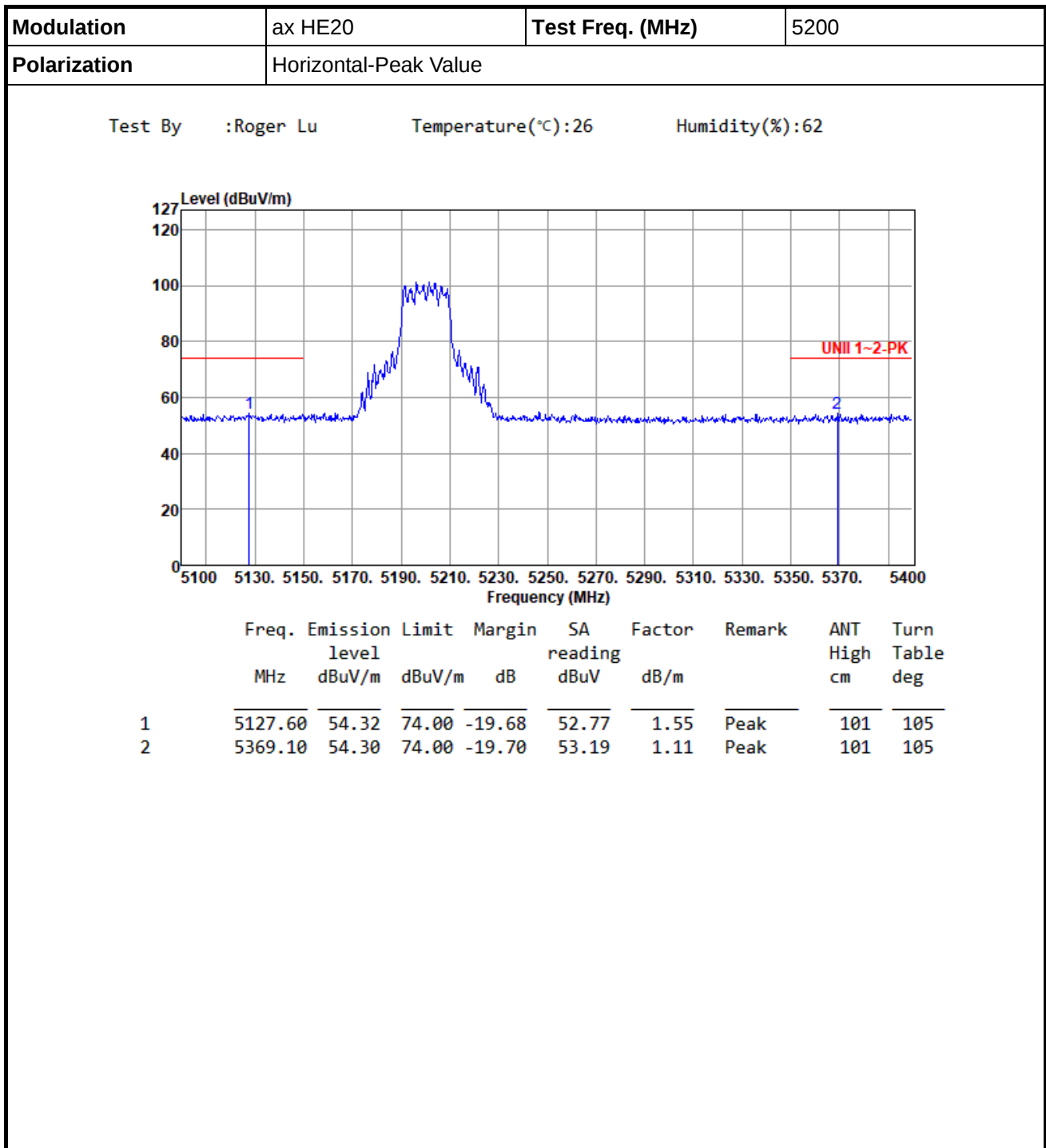


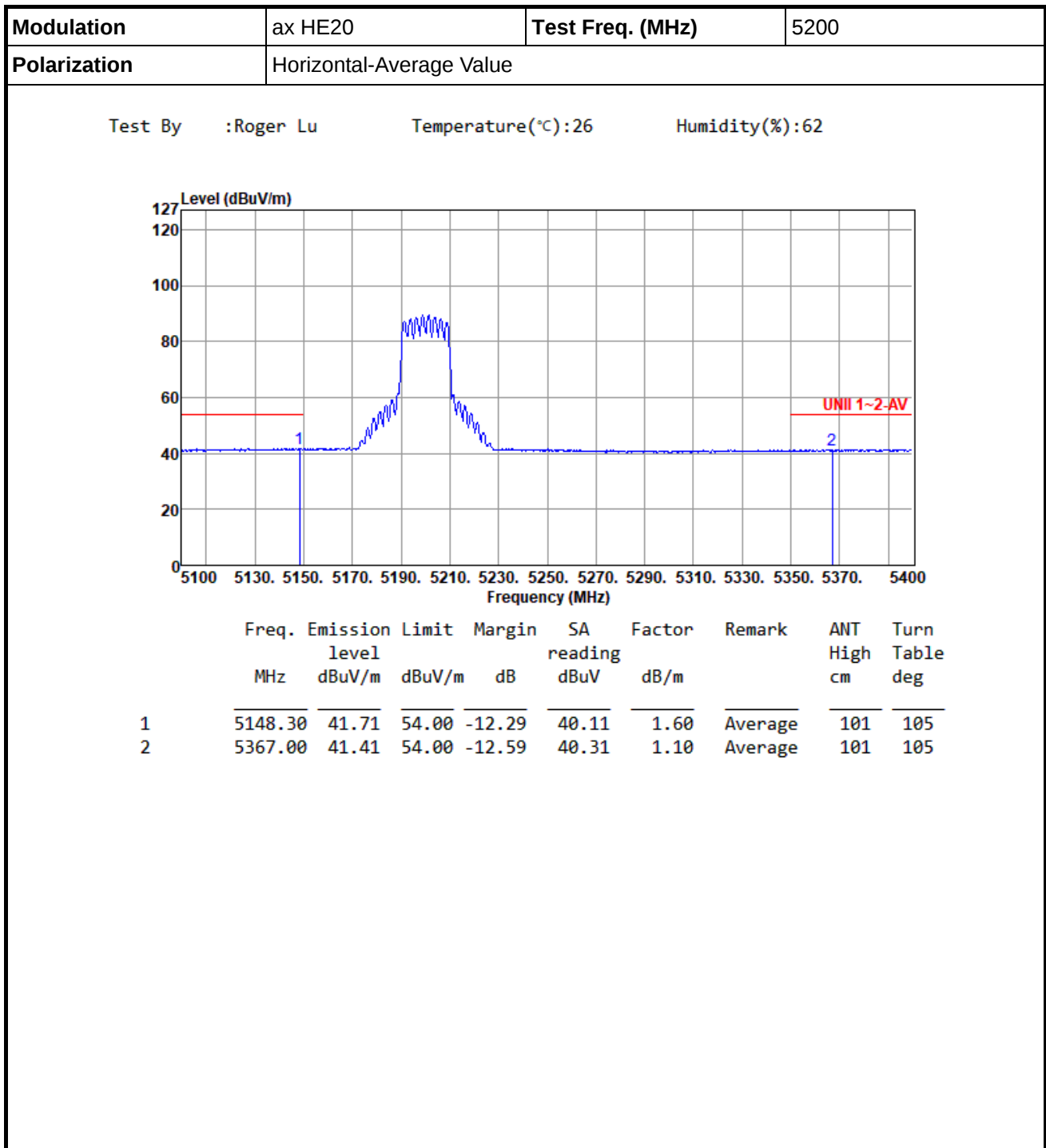


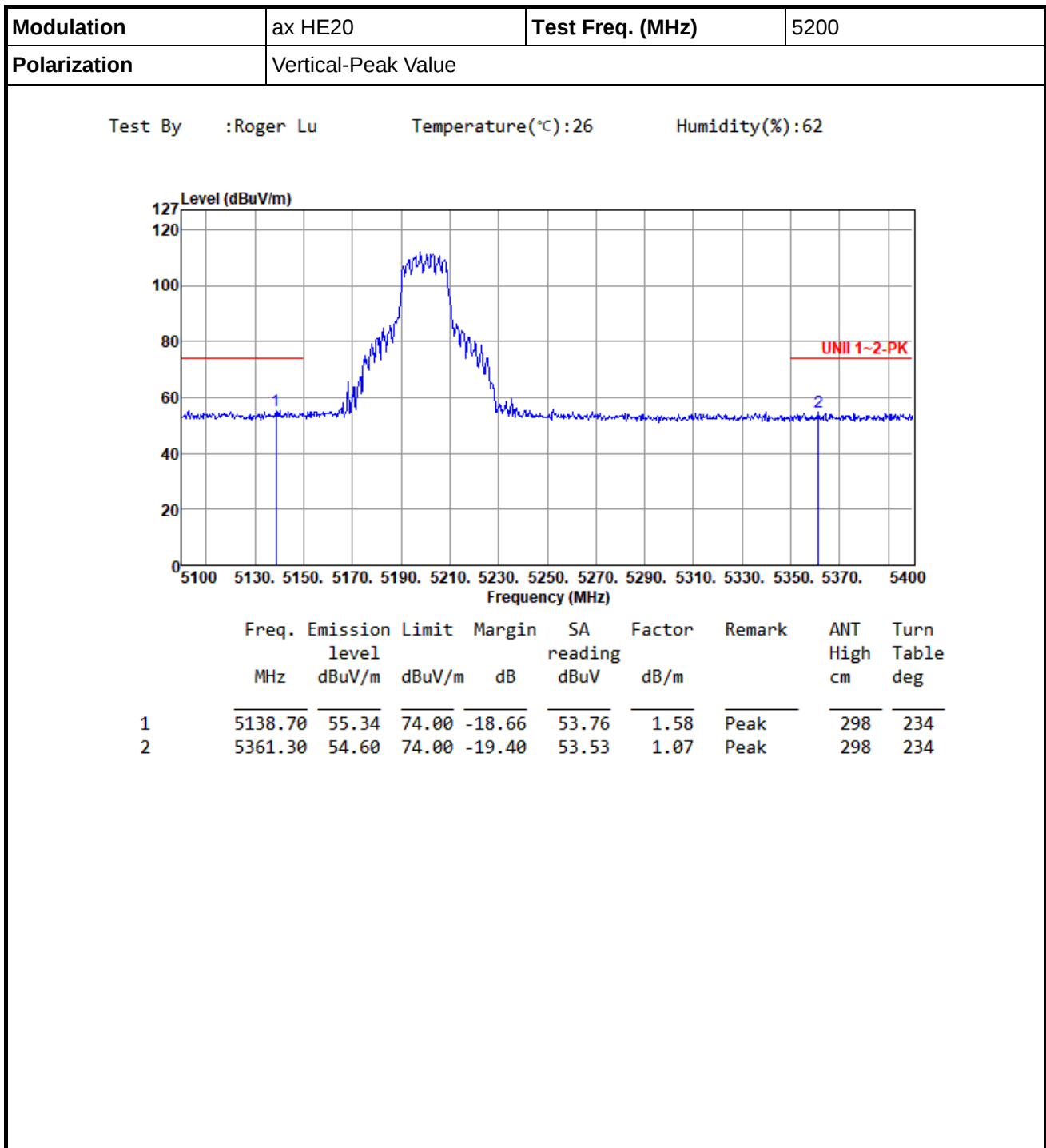


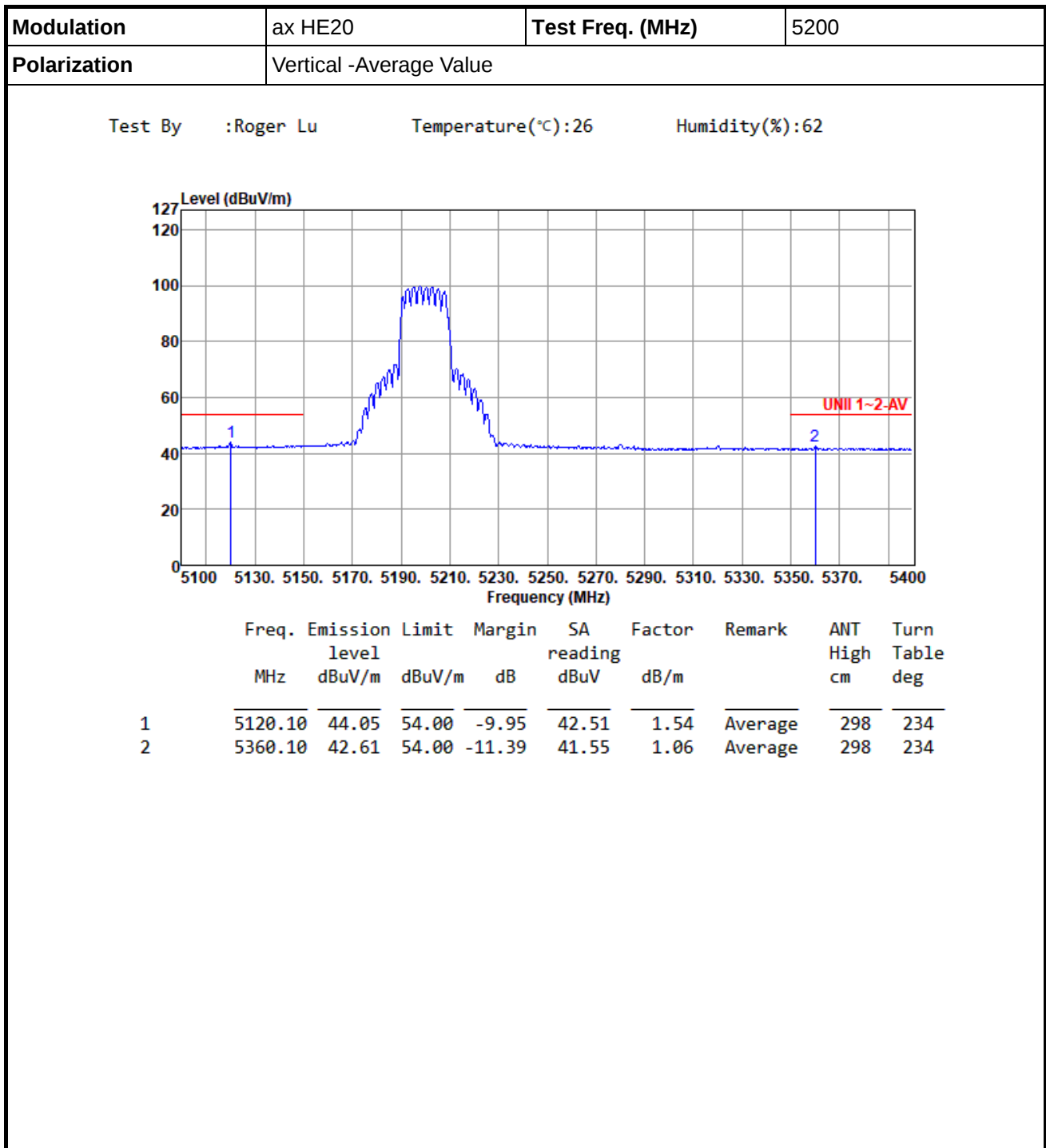


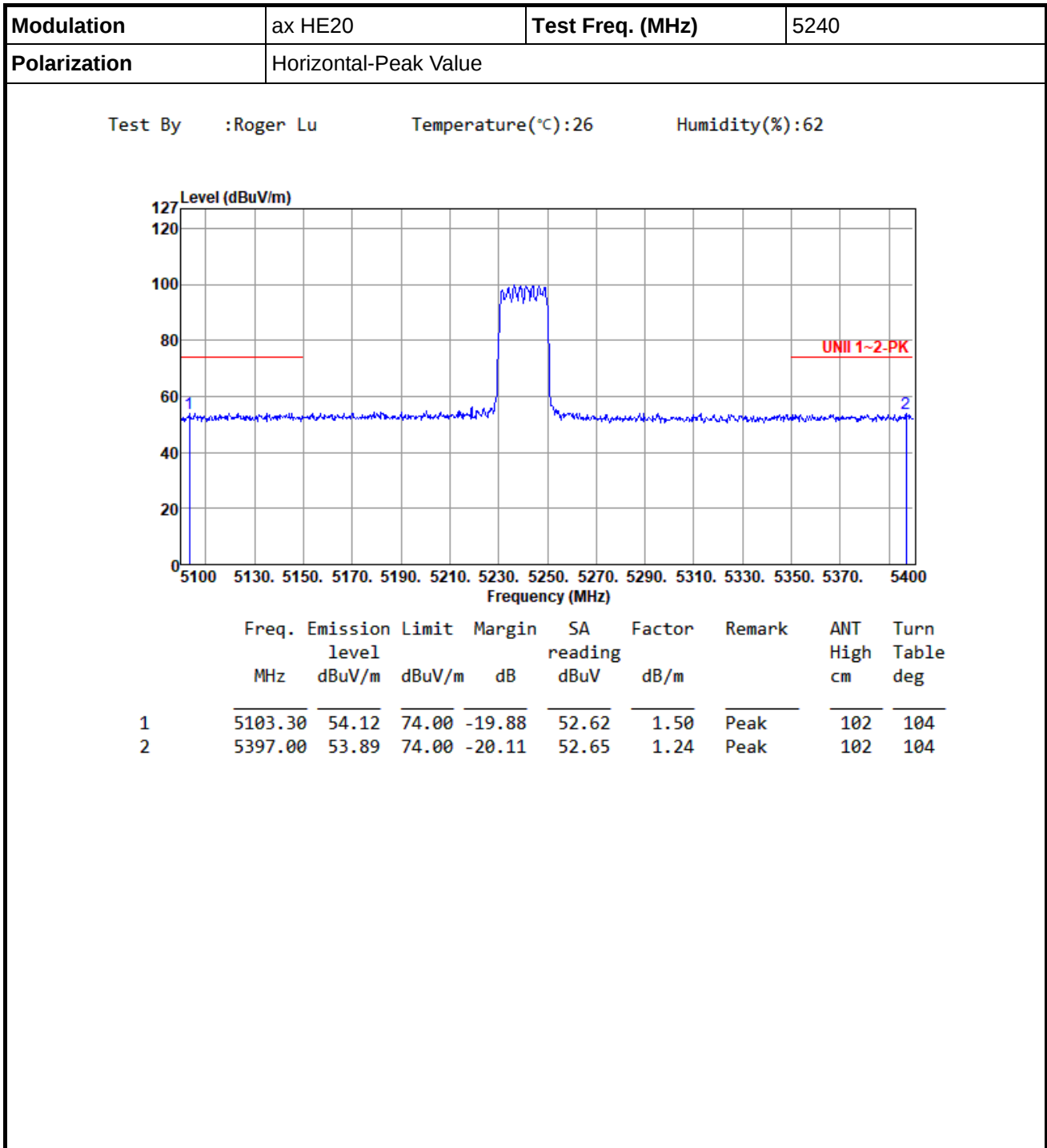


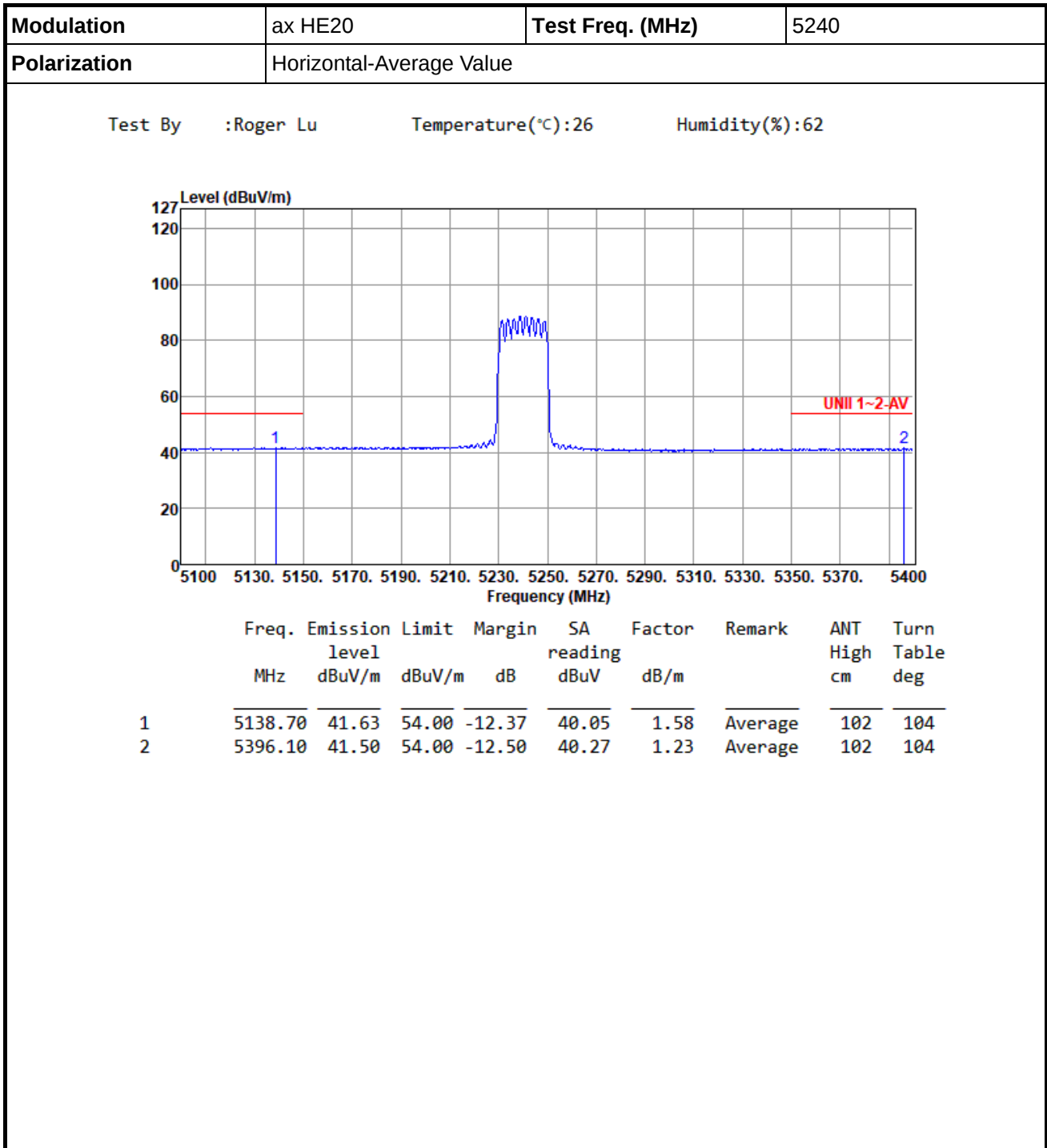


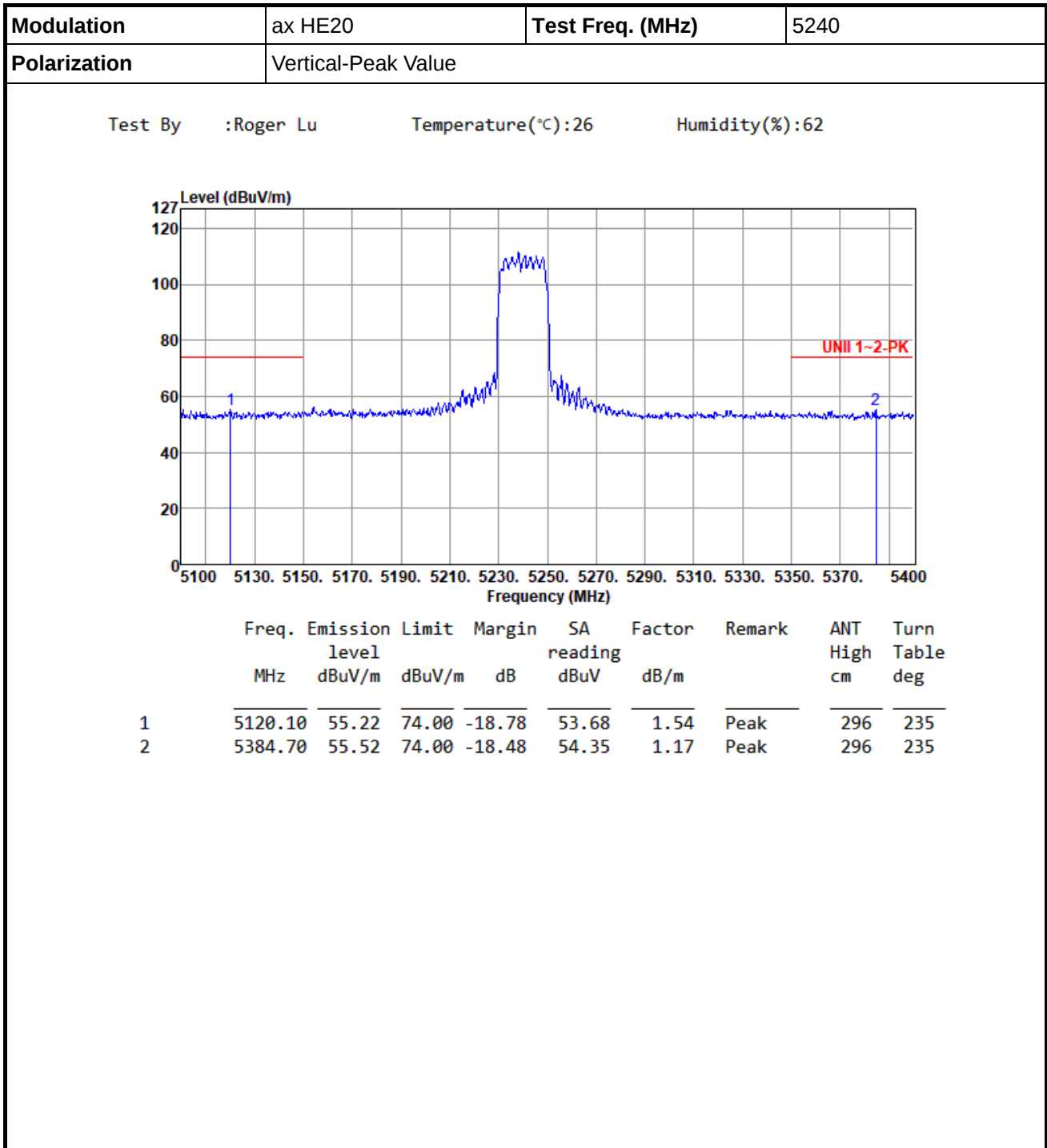


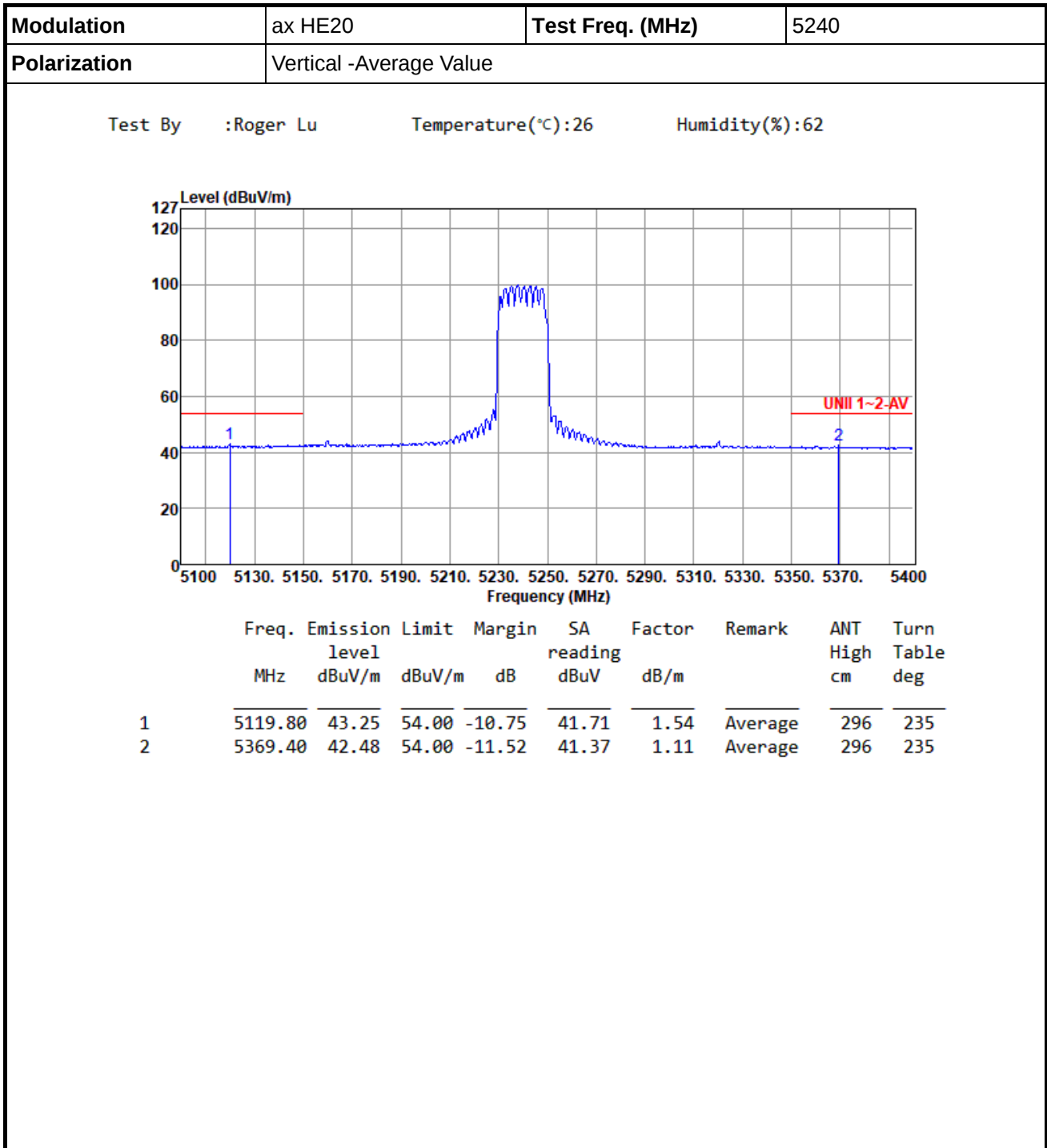


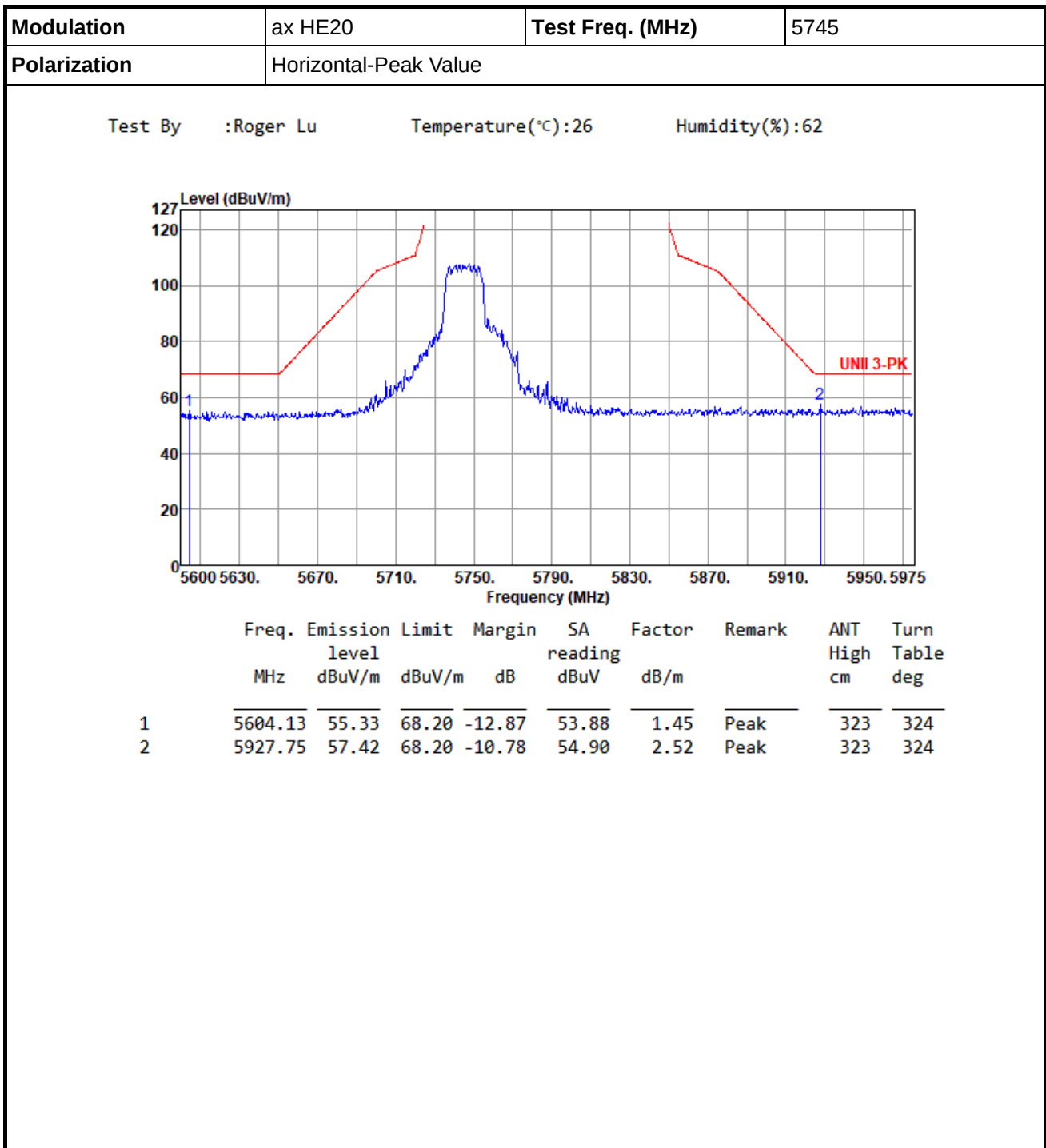


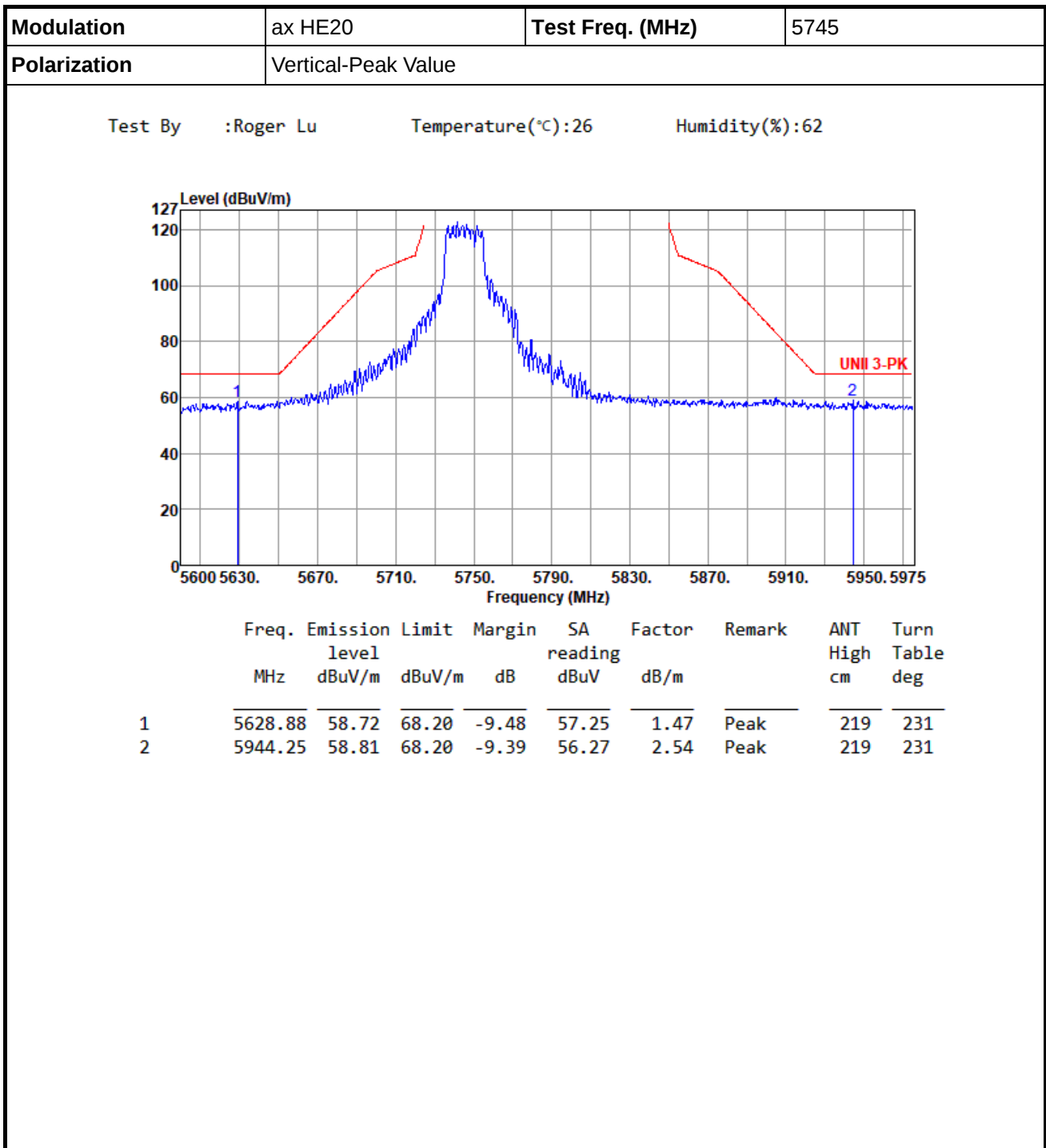


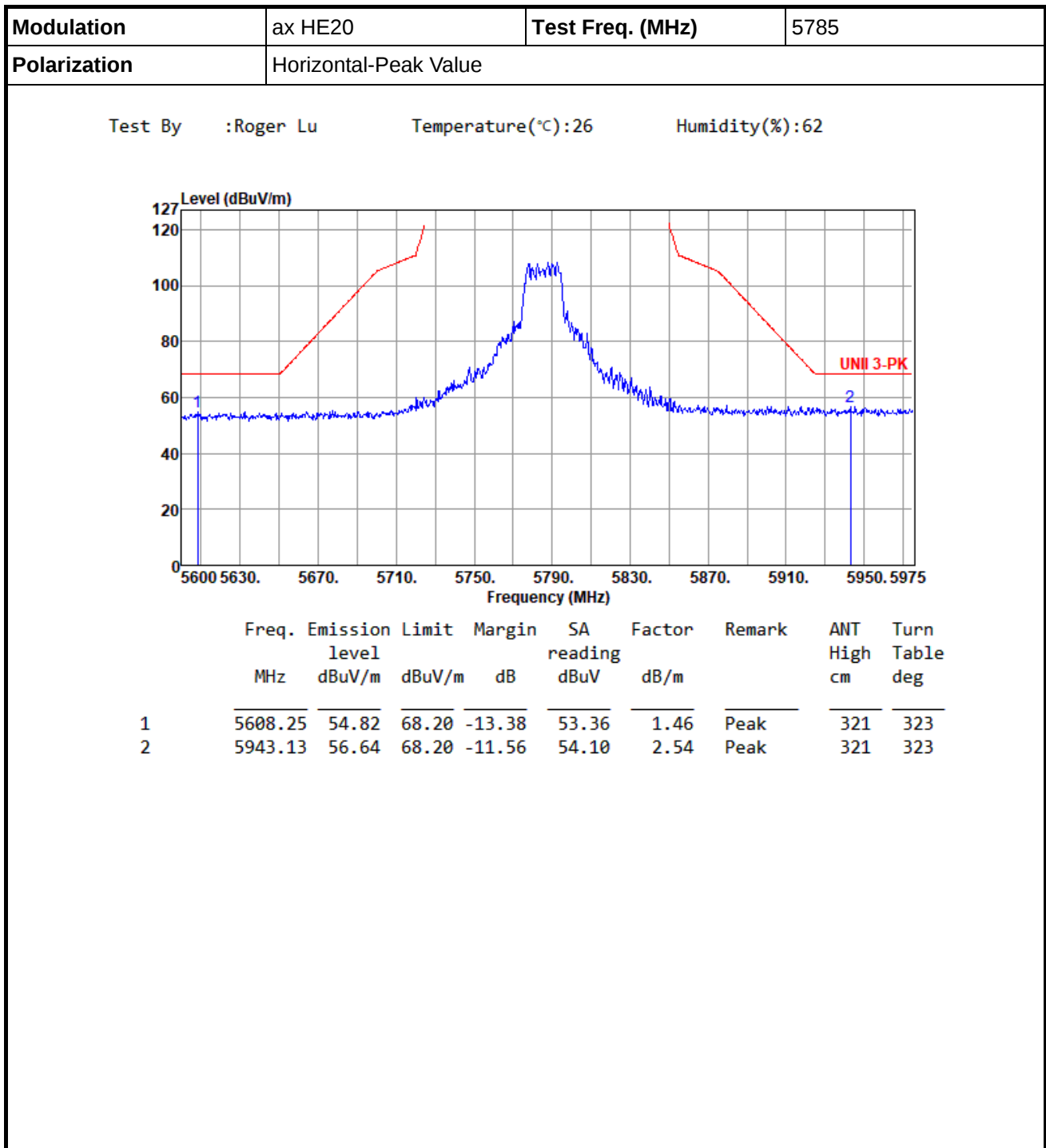


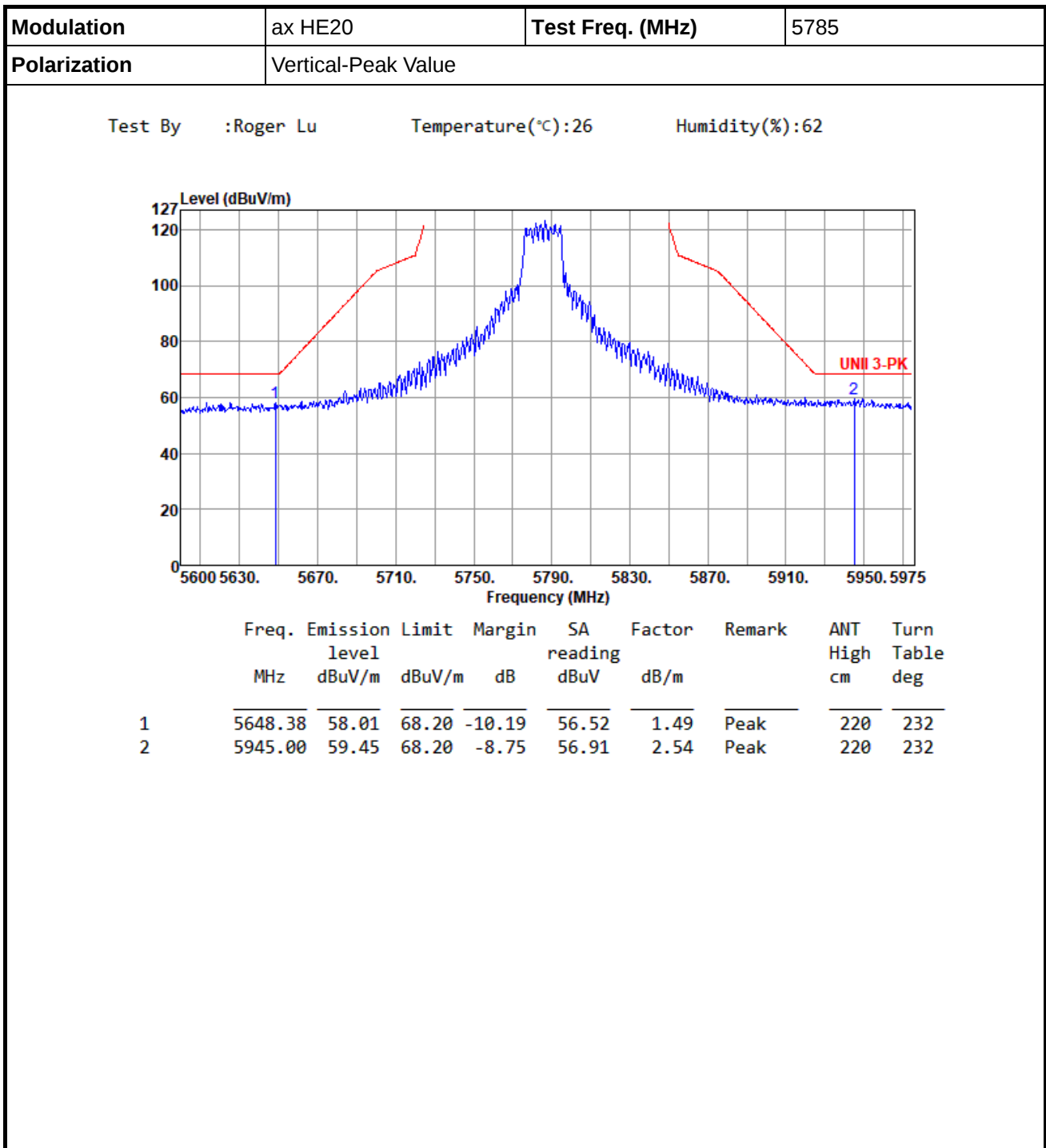


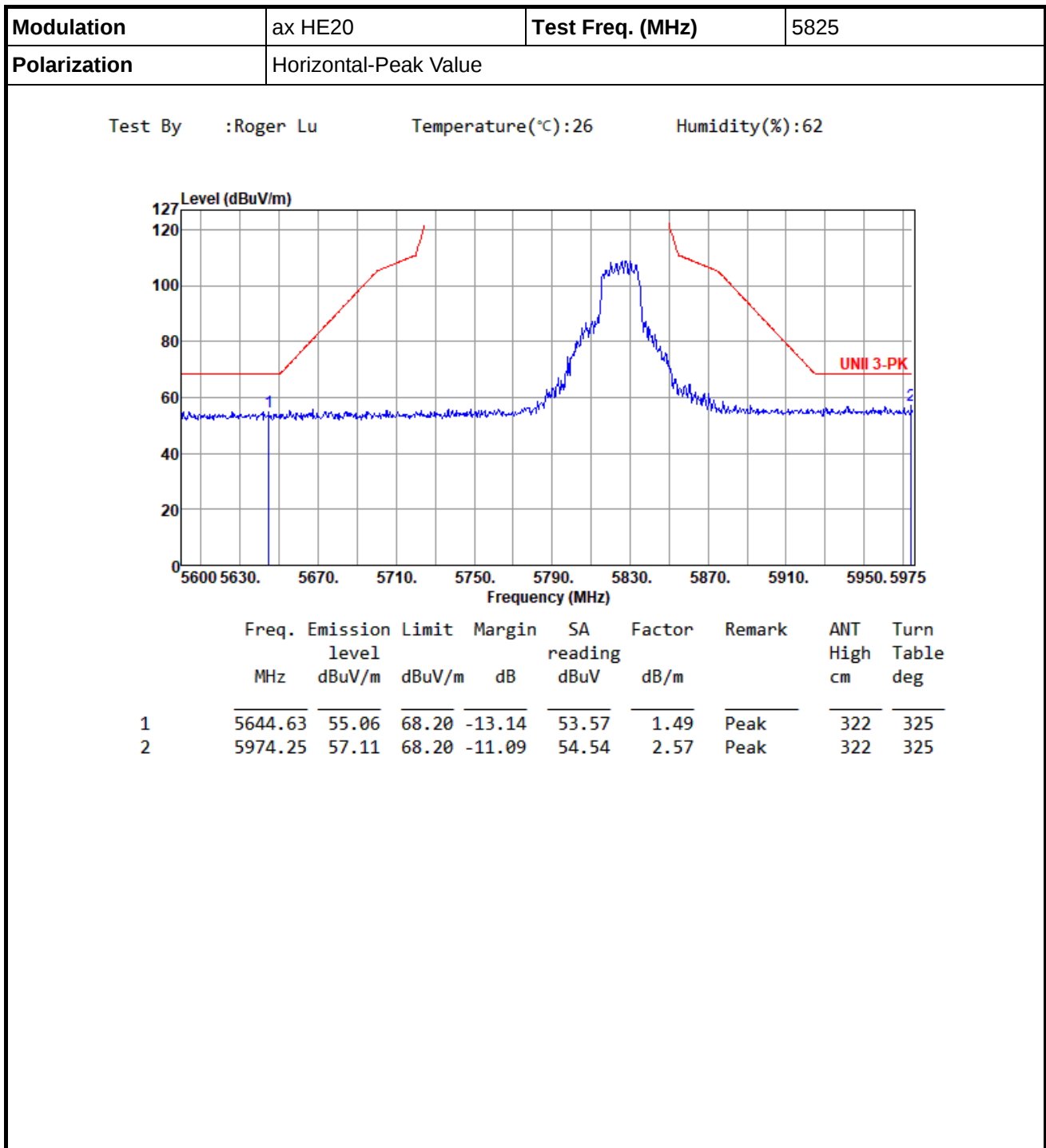


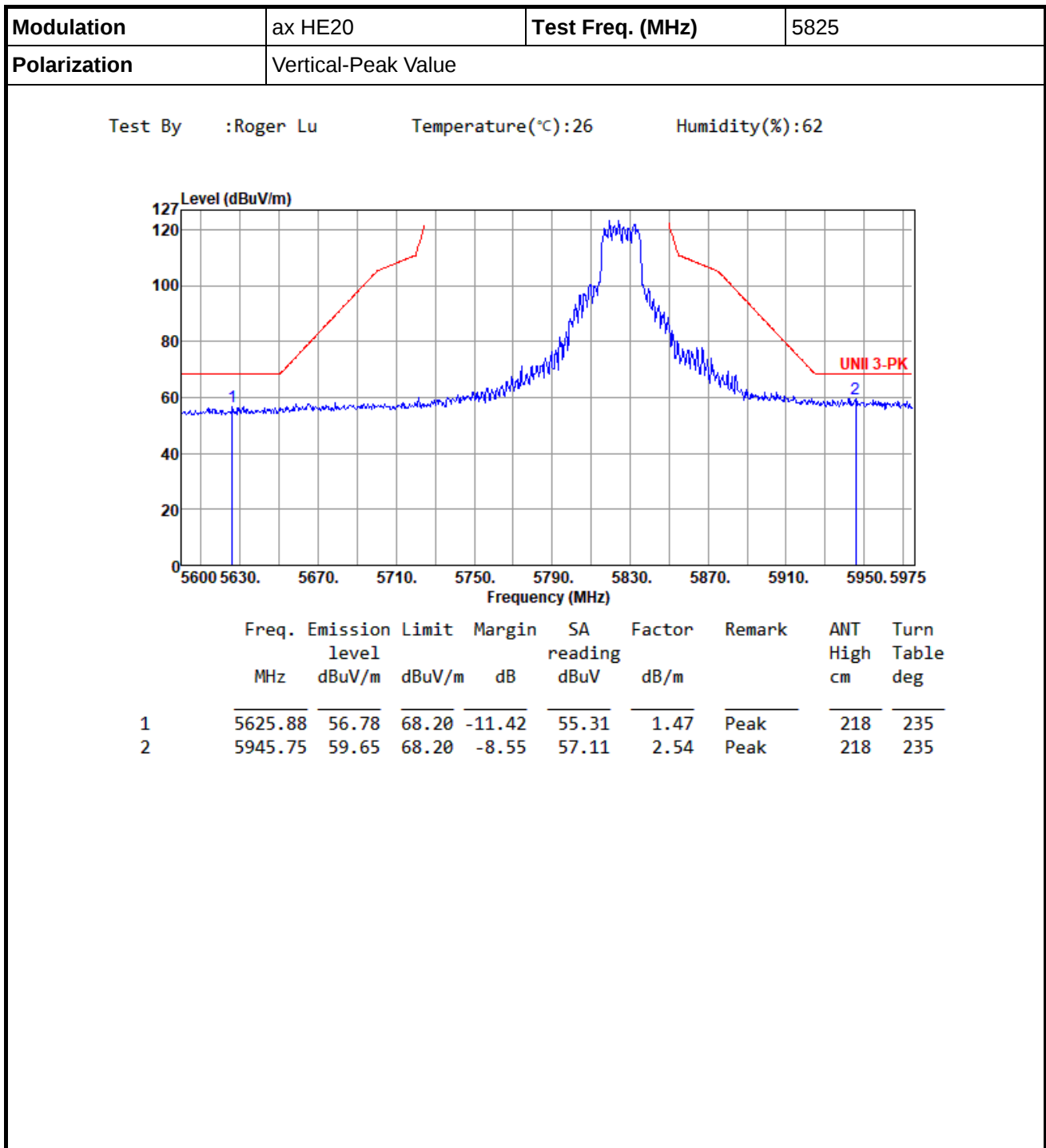






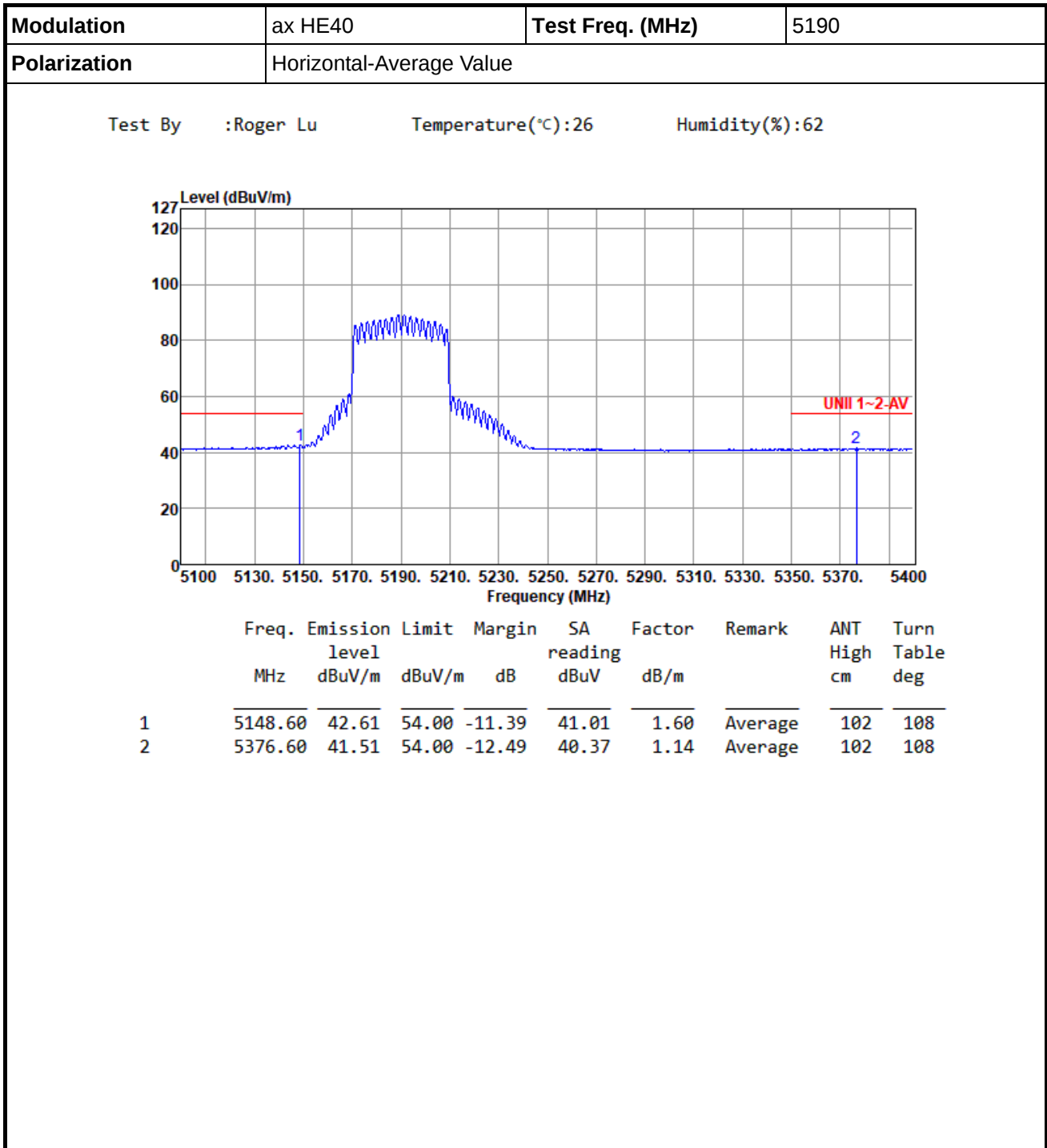


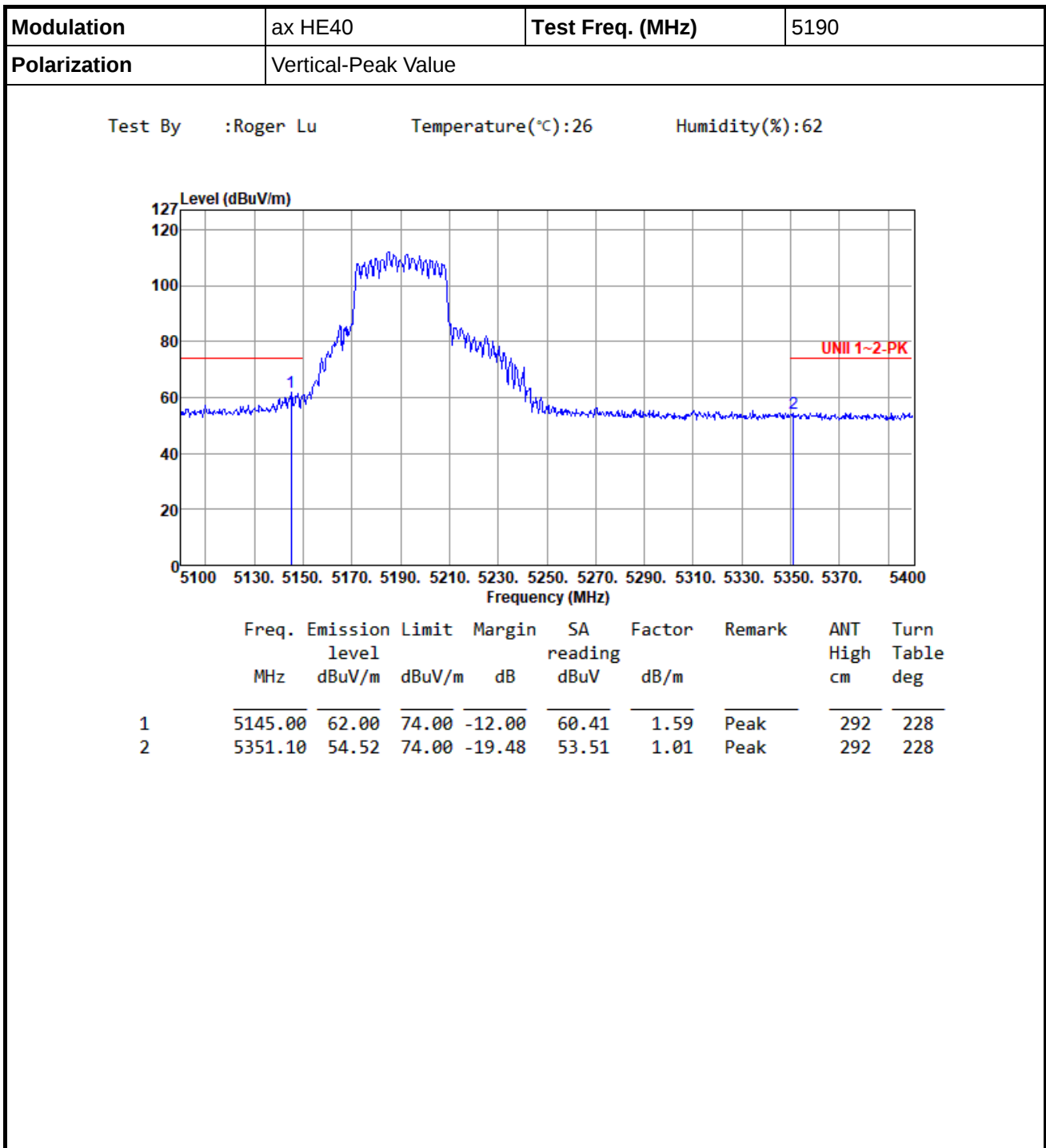


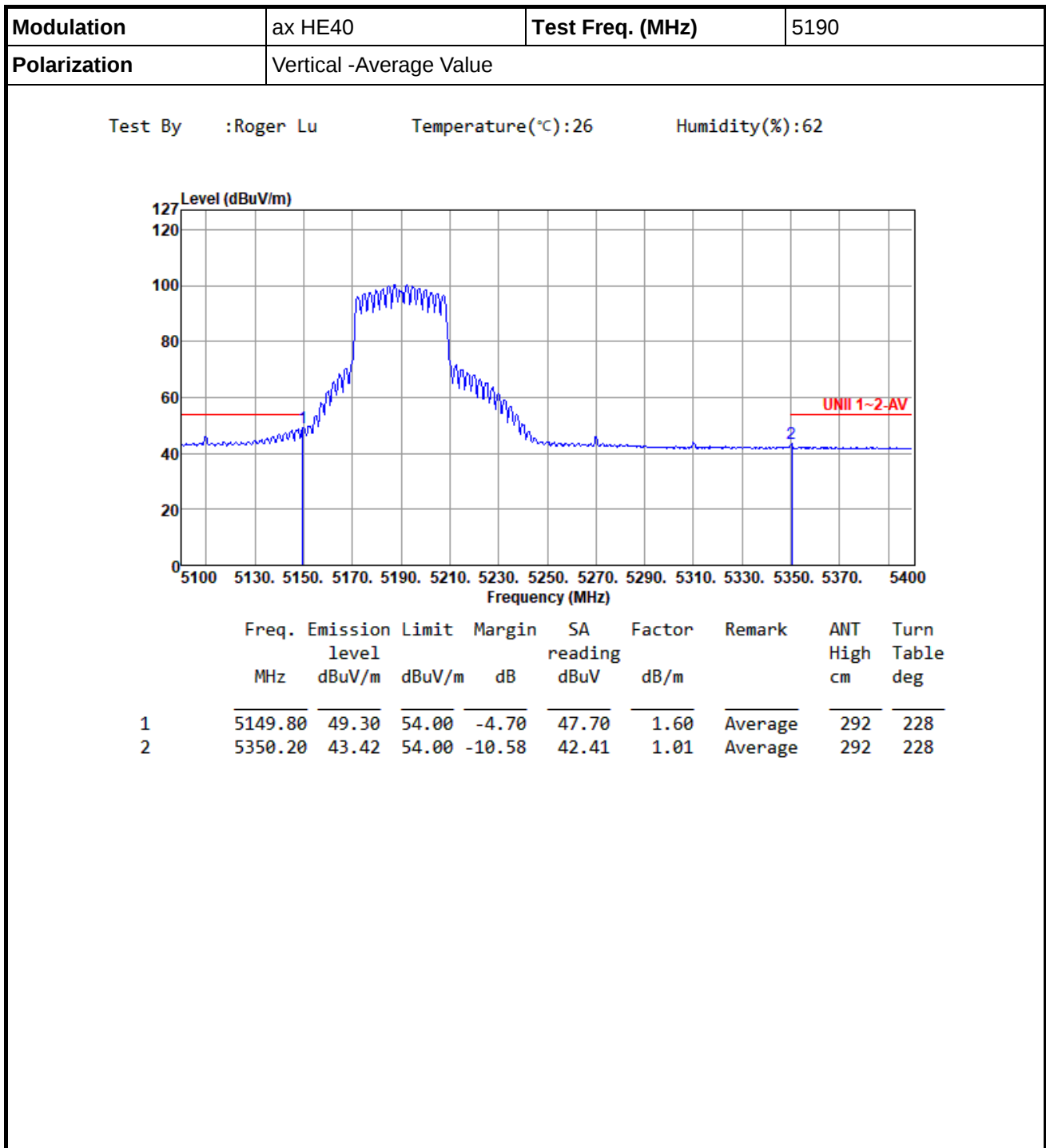




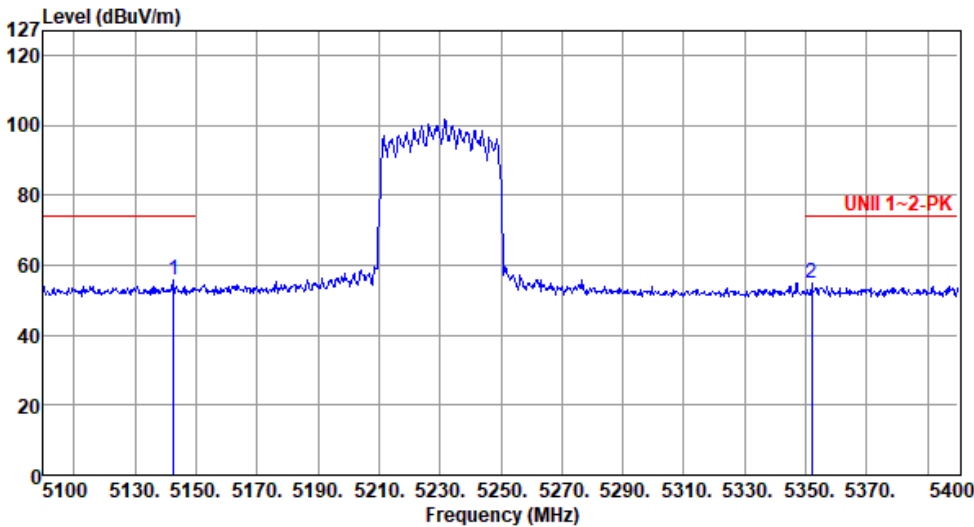
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Test By :Roger Lu Temperature(°C):26 Humidity(%):62			
Level (dBuV/m)			

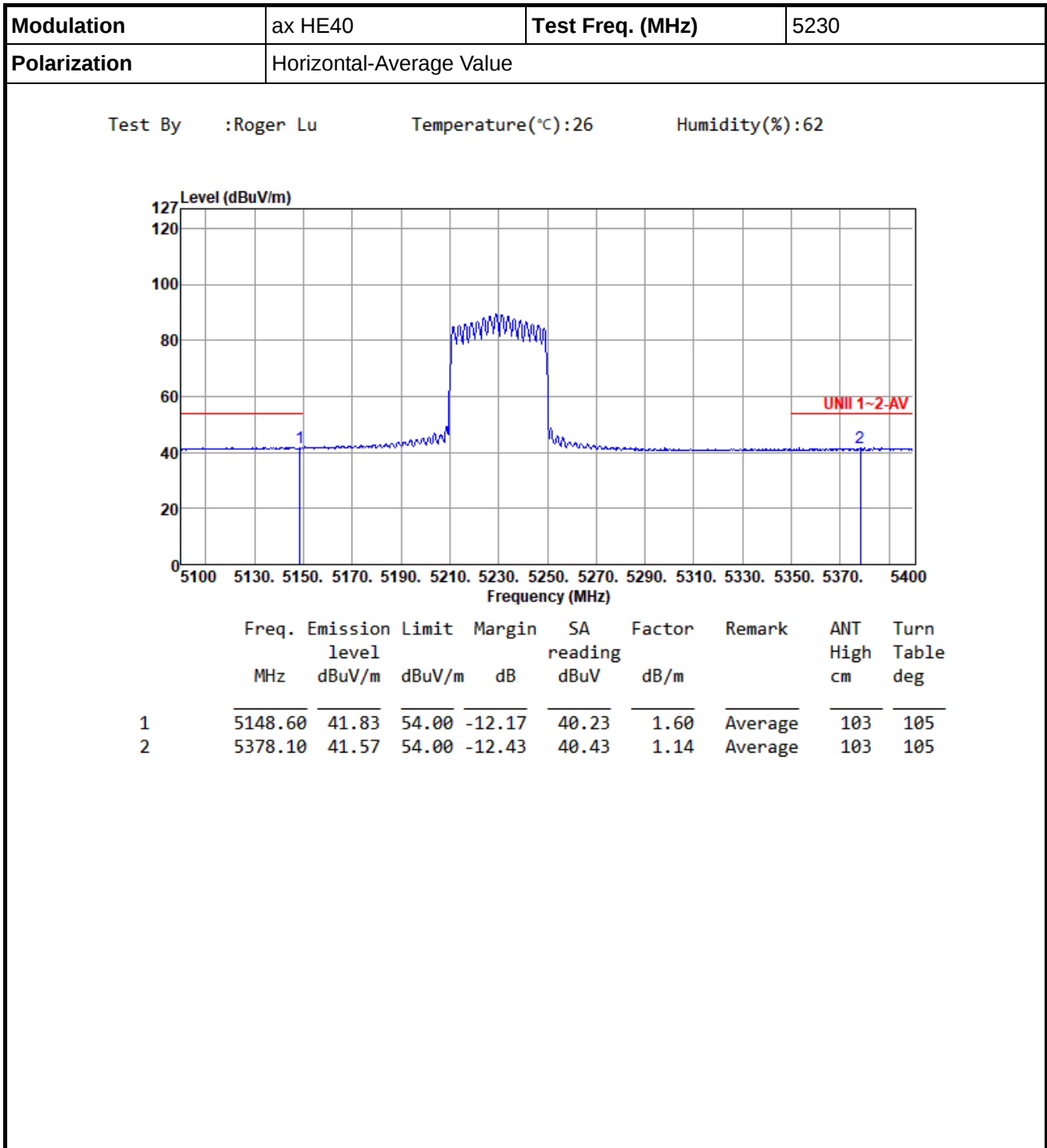


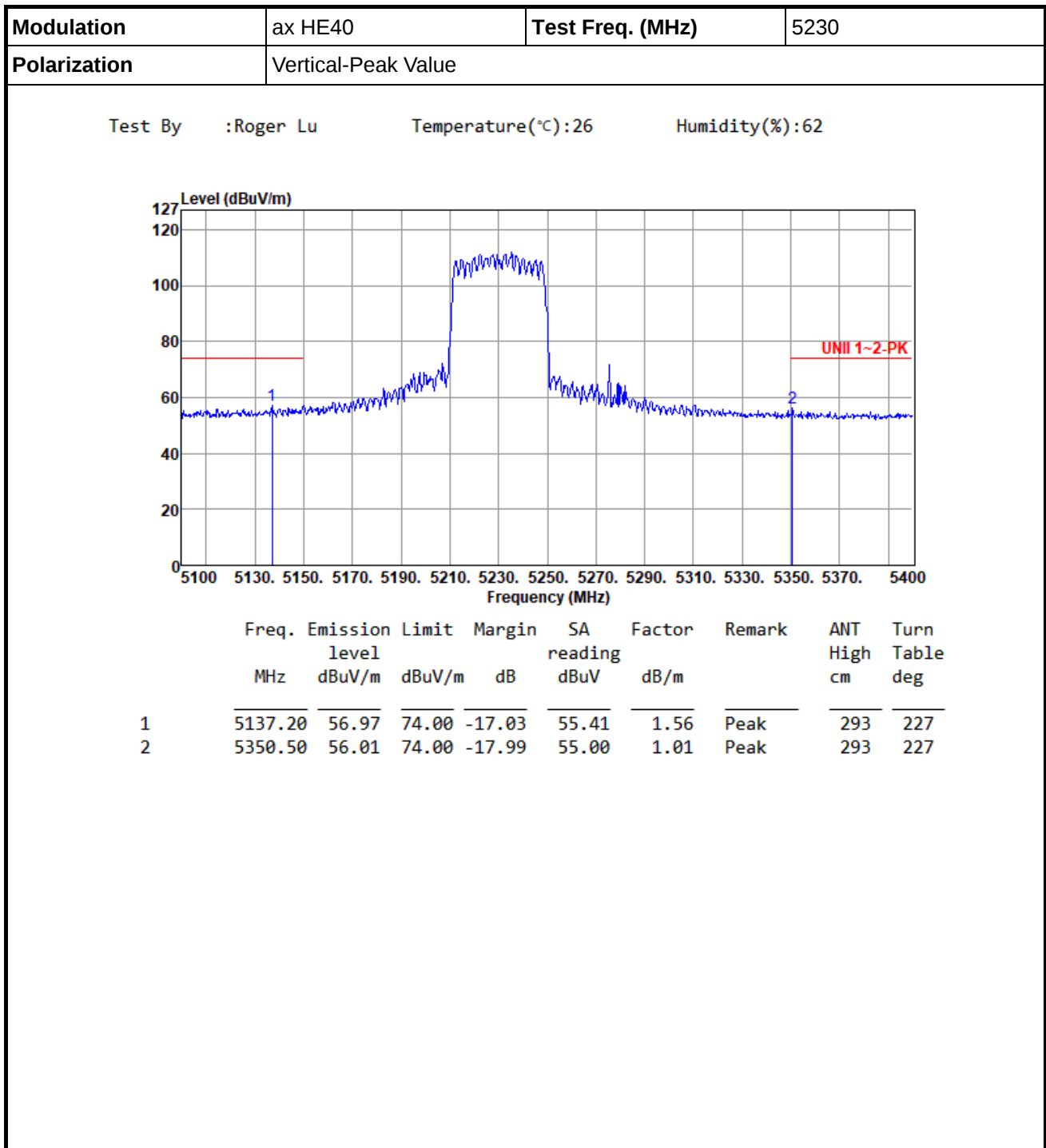


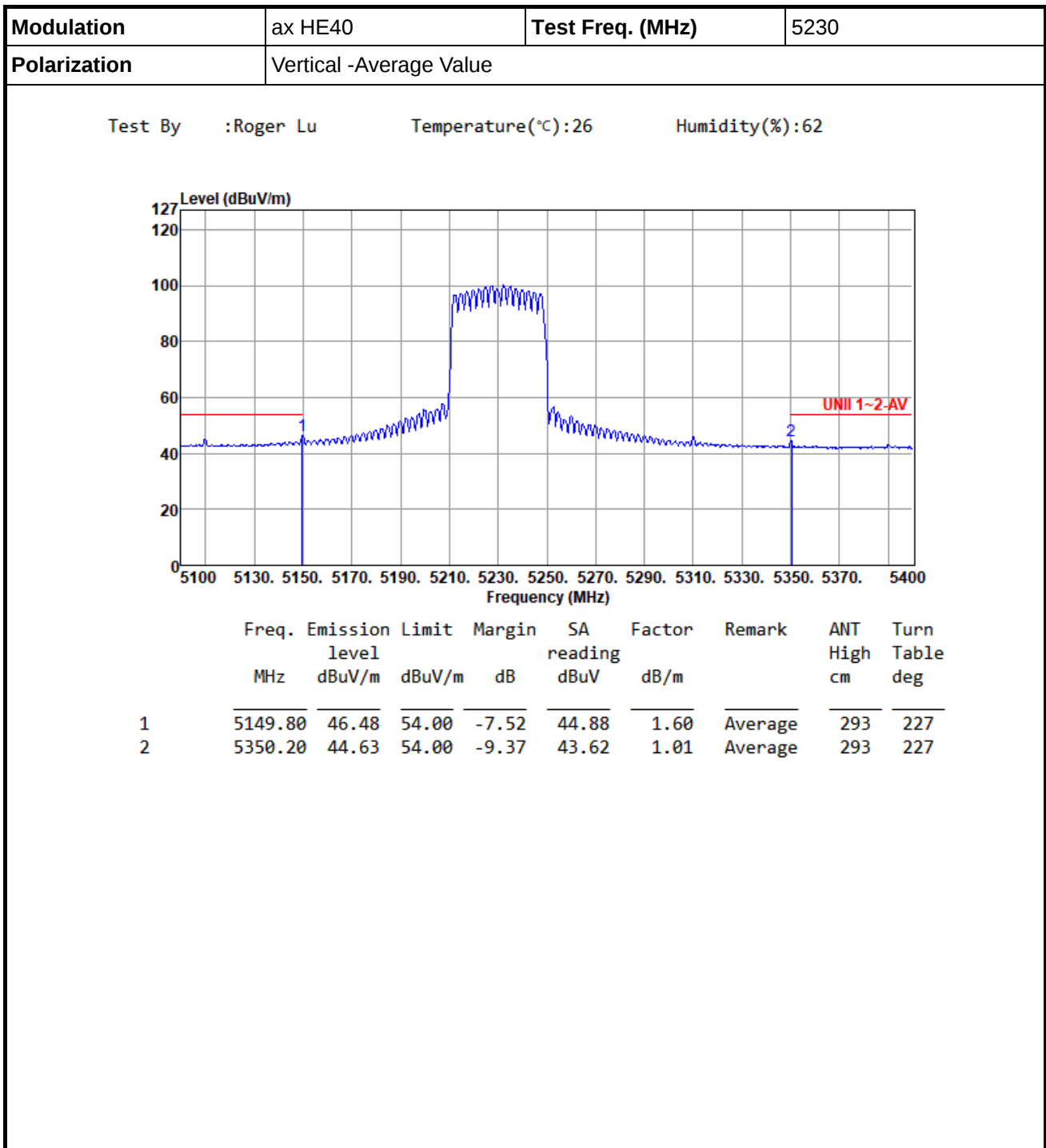


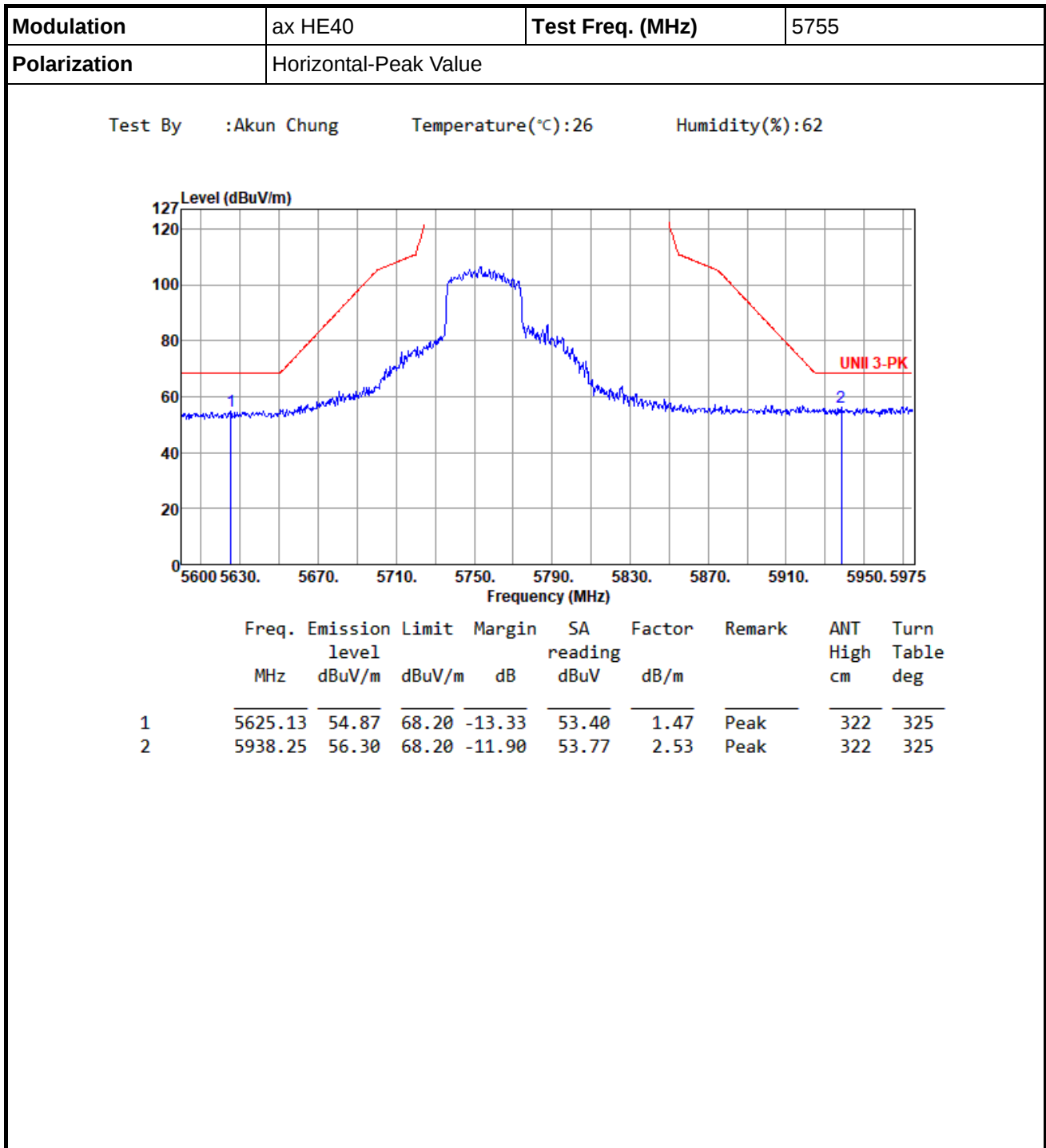


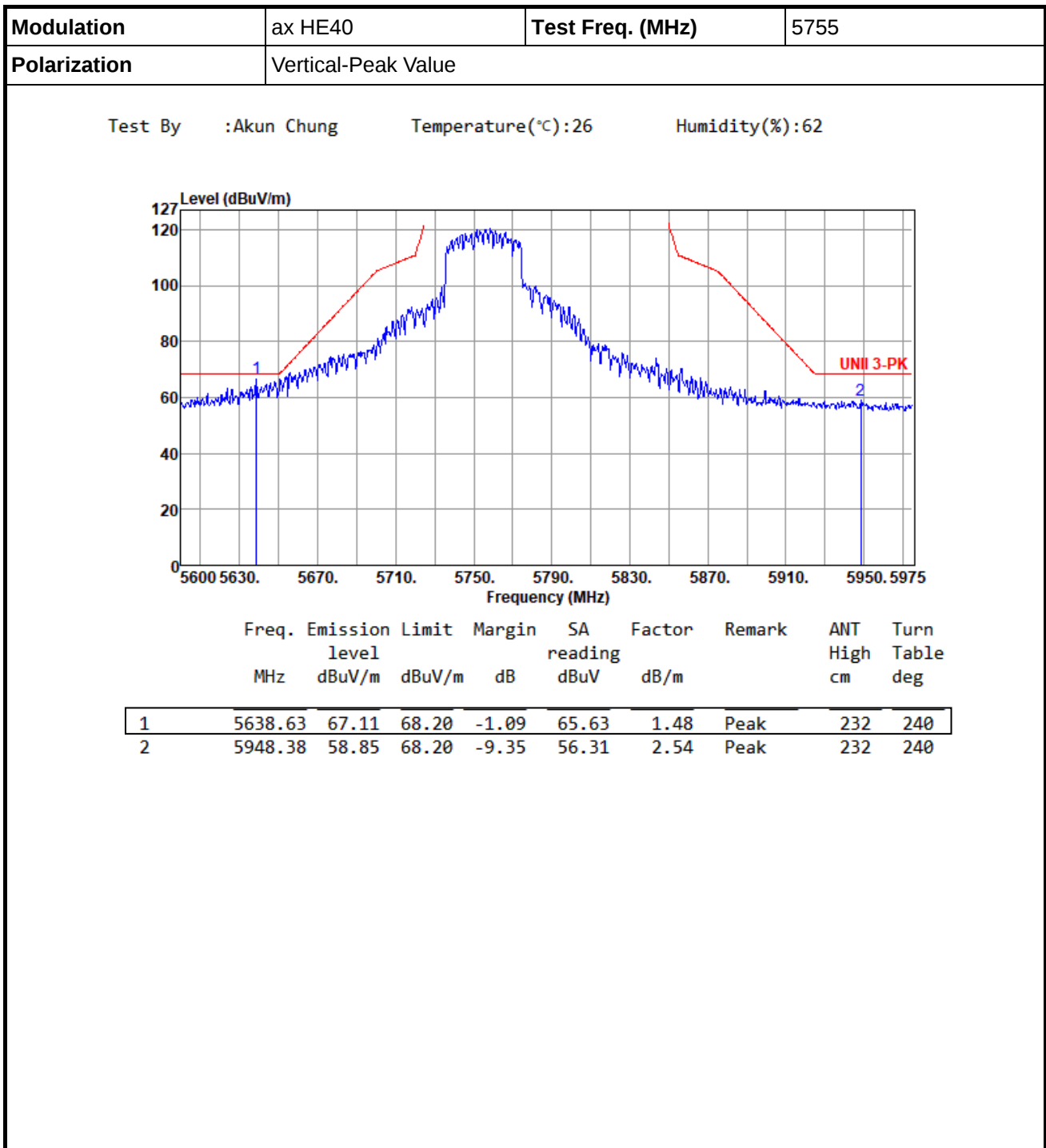
Modulation	ax HE40	Test Freq. (MHz)	5230						
Polarization	Horizontal-Peak Value								
Test By :Roger Lu Temperature(°C):26 Humidity(%):62									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5142.60	55.96	74.00	-18.04	54.37	1.59	Peak	103	105
2	5352.00	54.75	74.00	-19.25	53.73	1.02	Peak	103	105

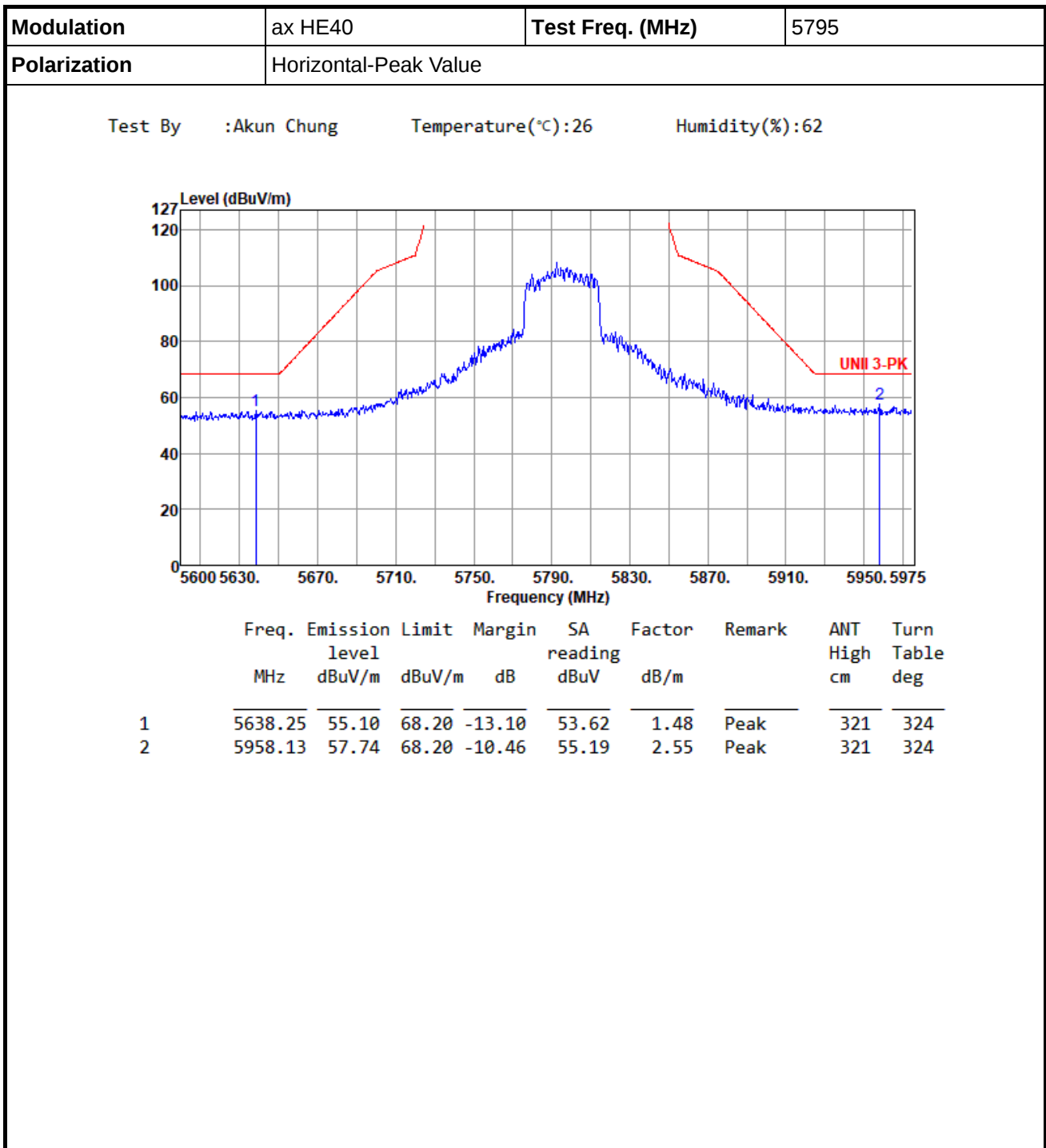


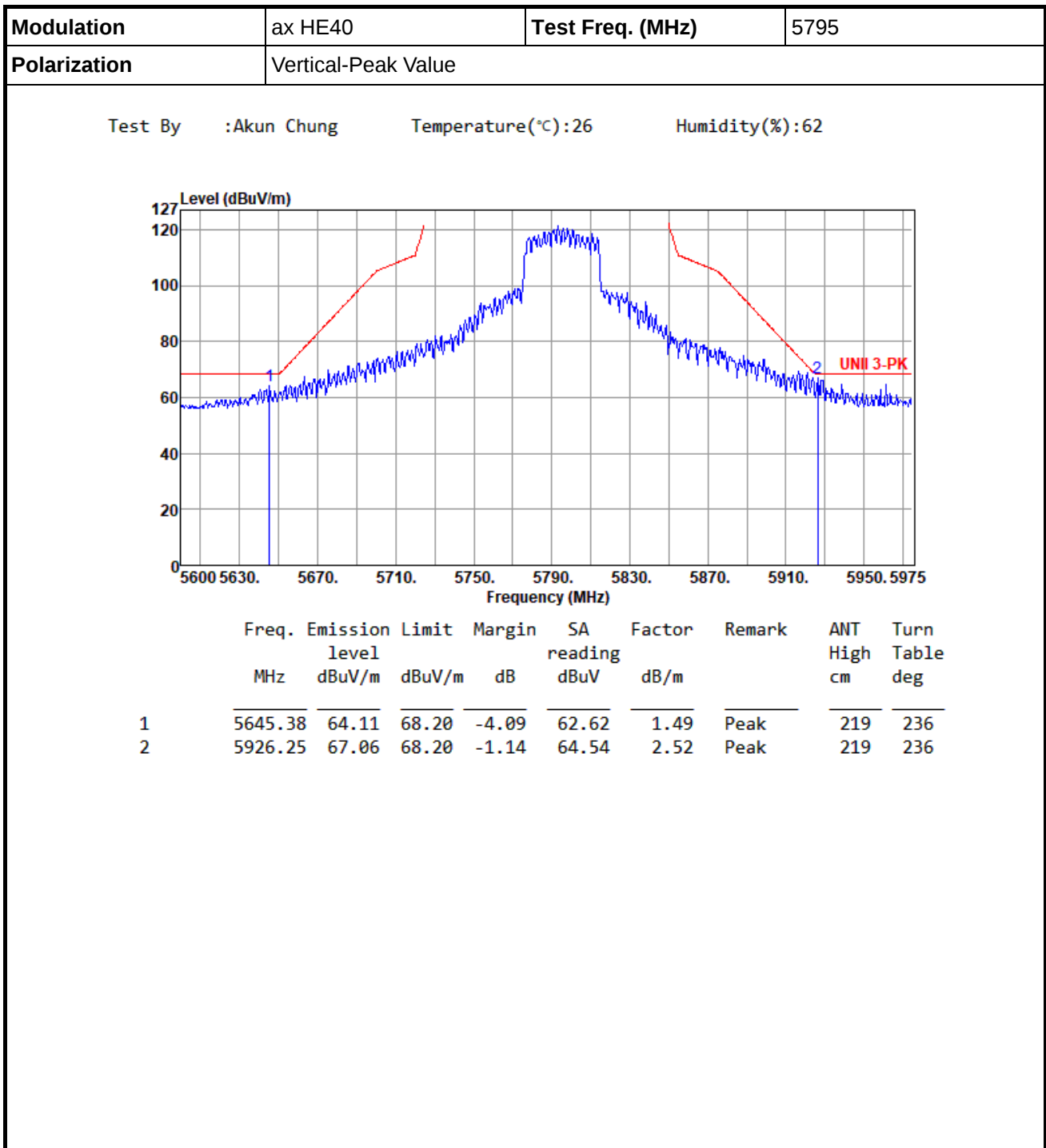


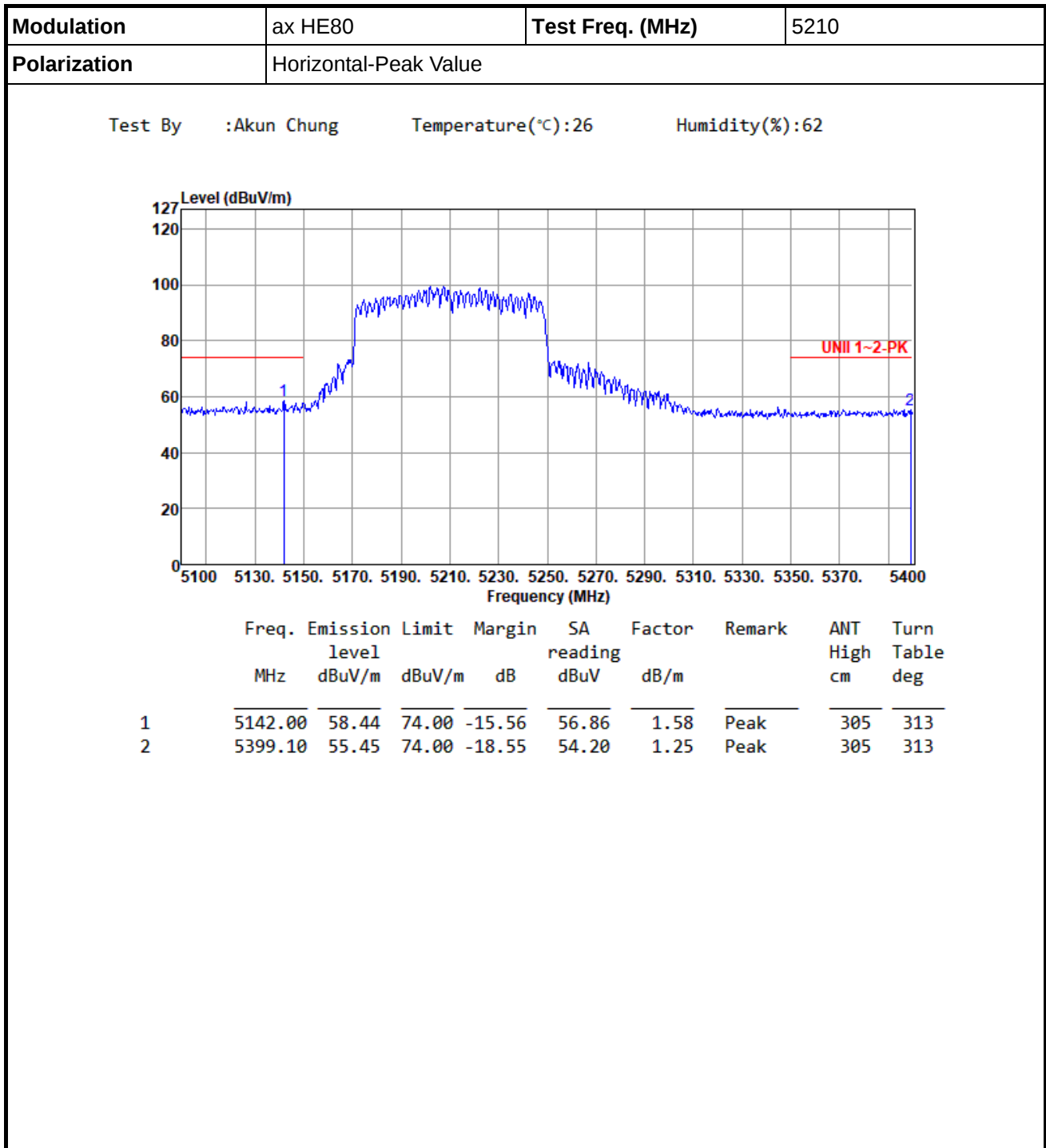


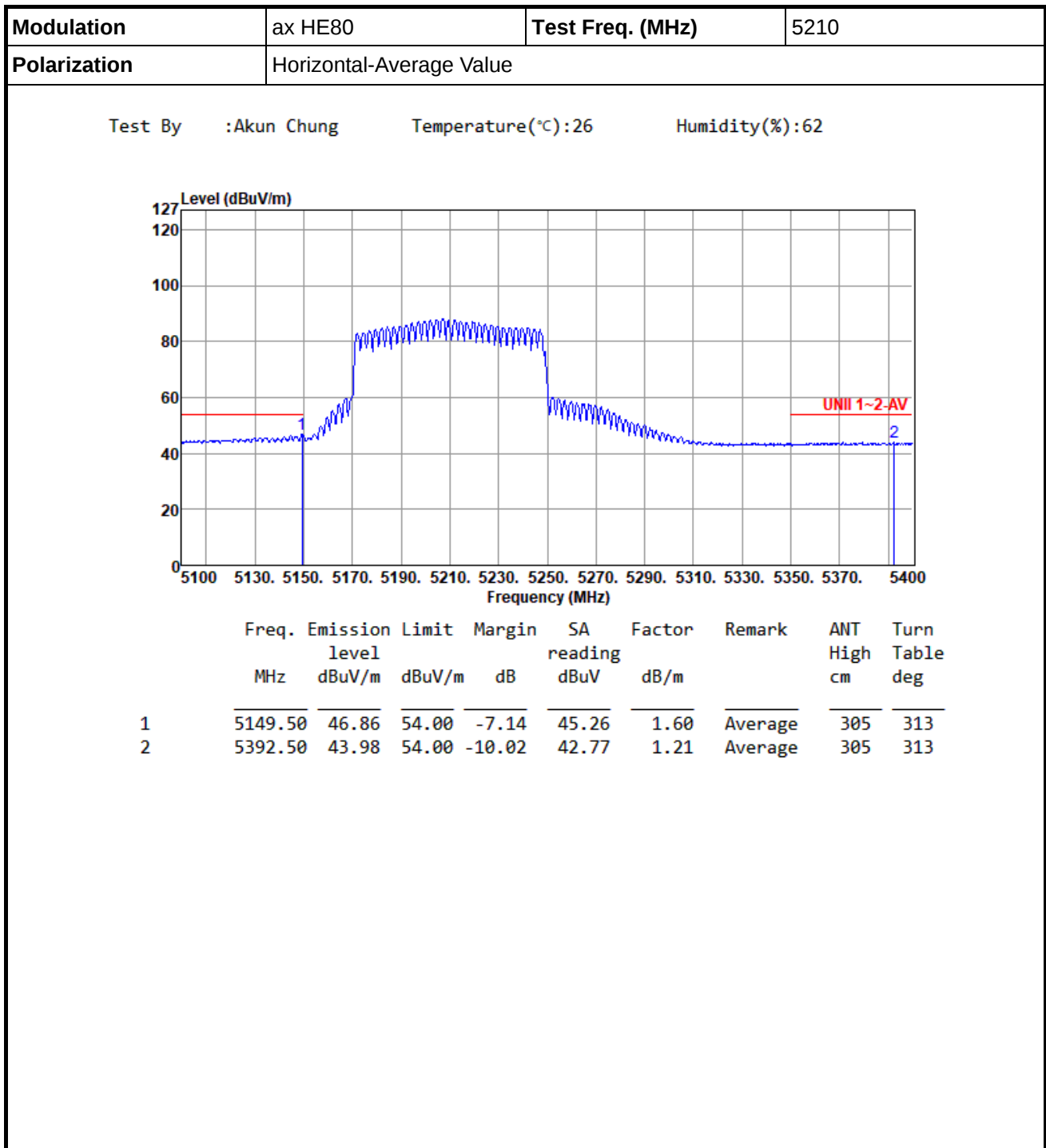


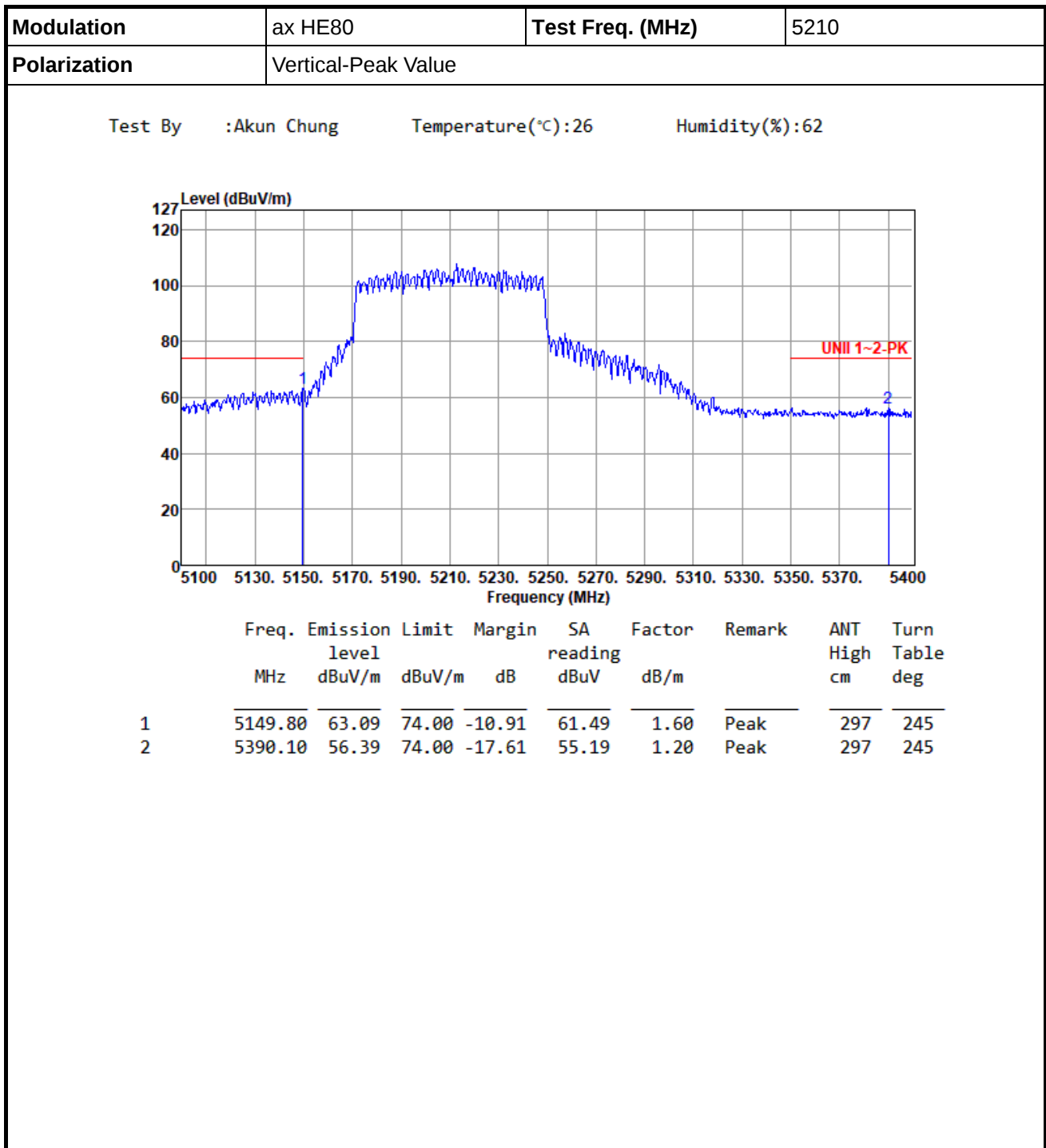


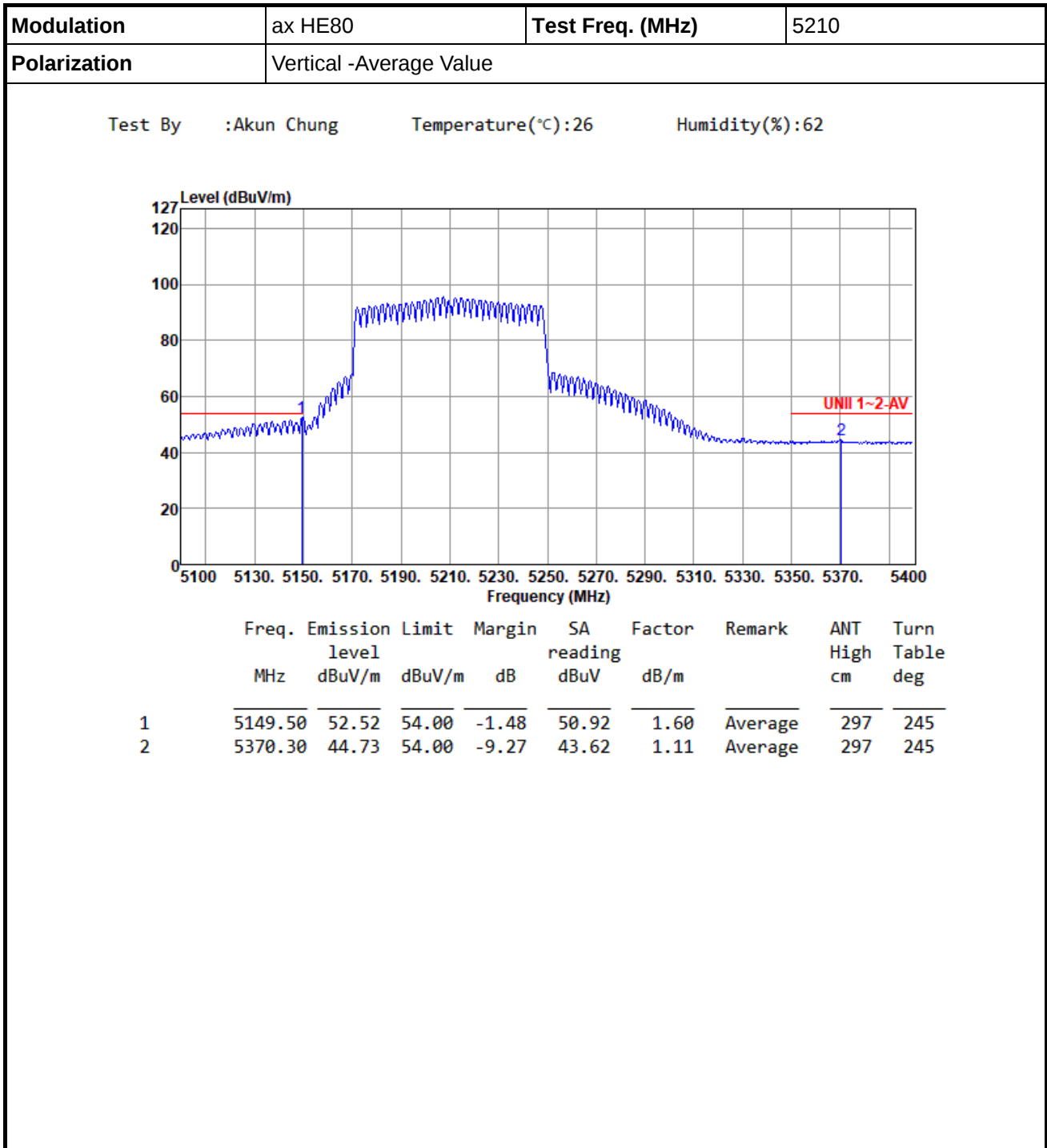


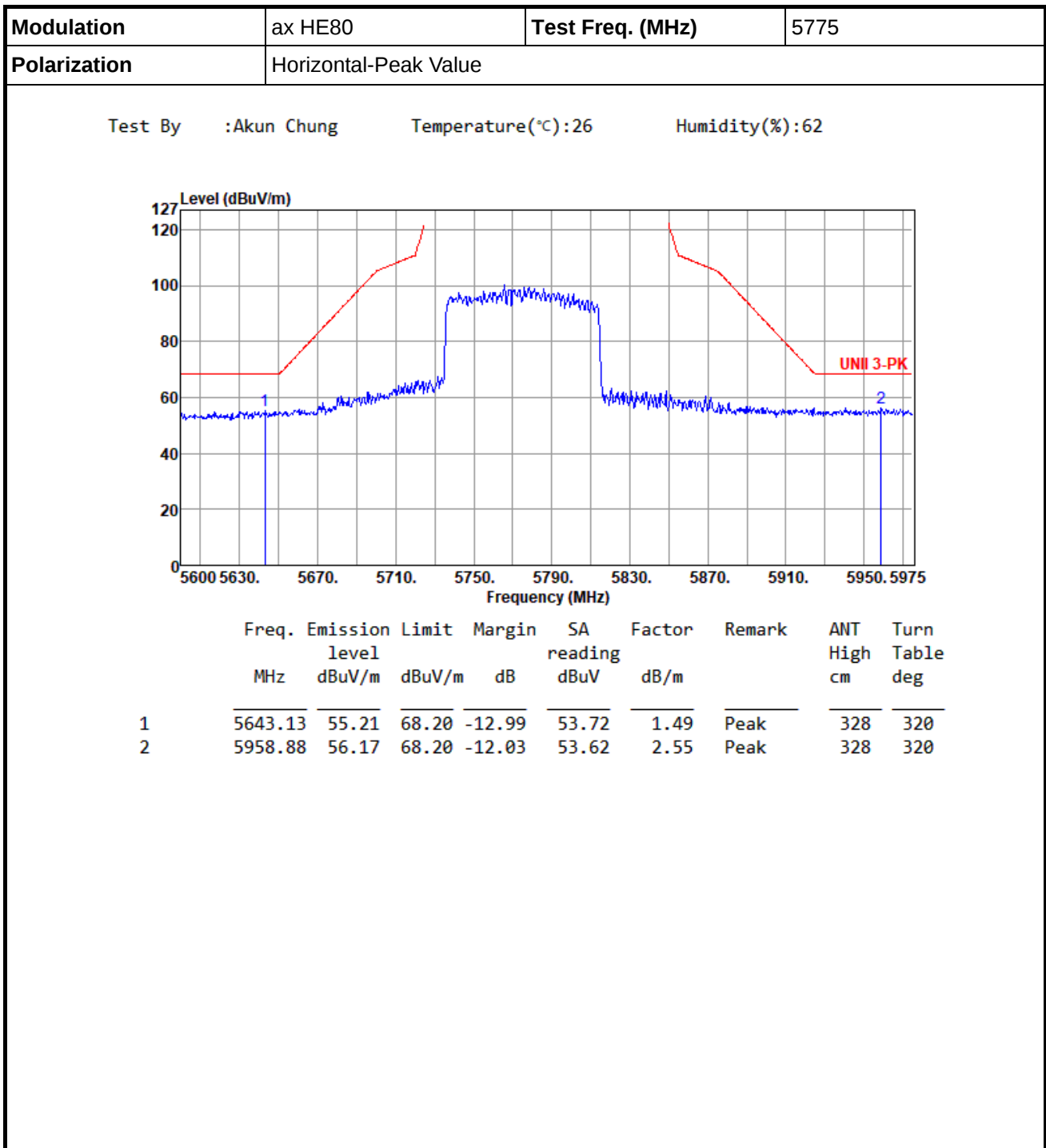


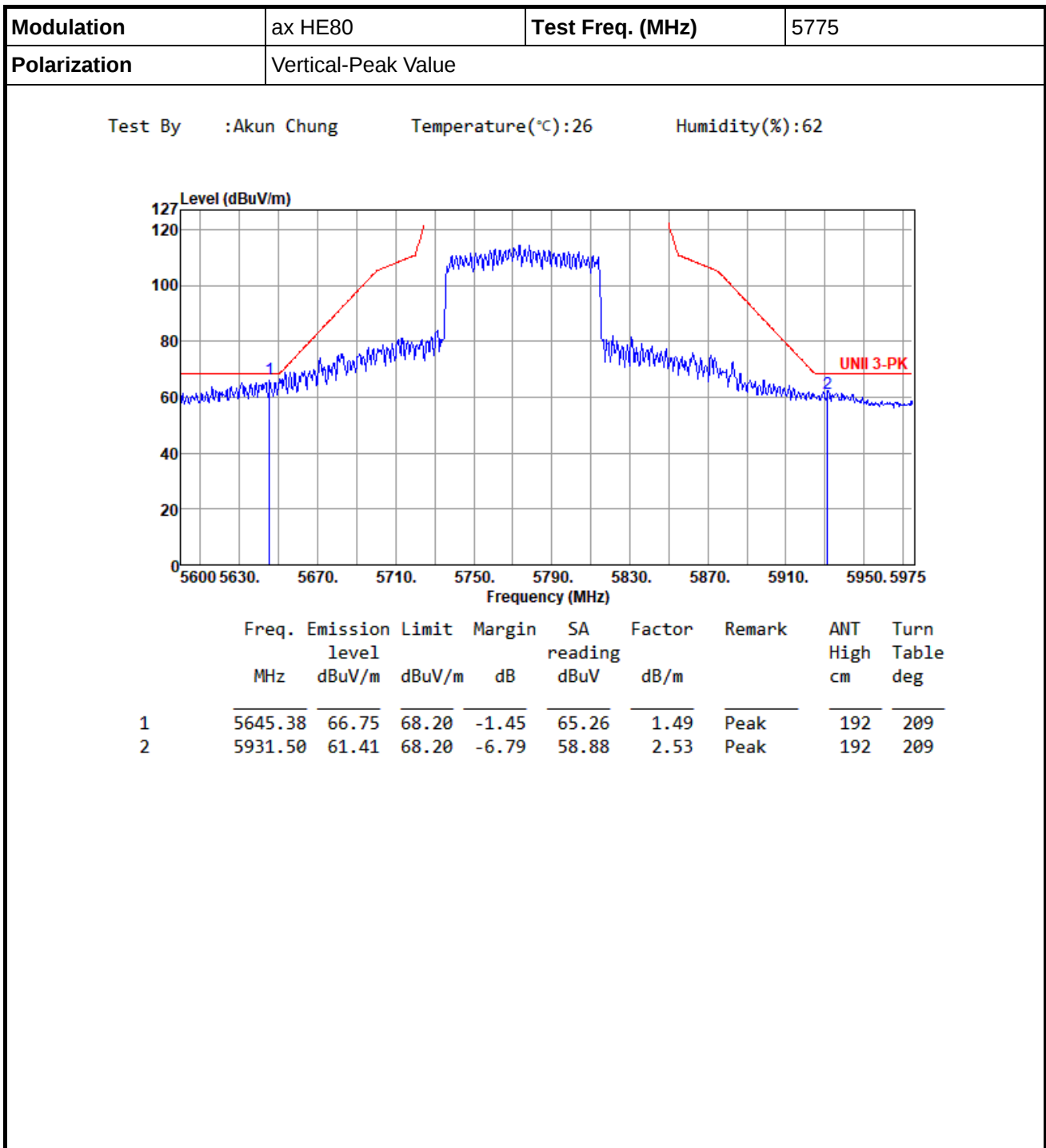






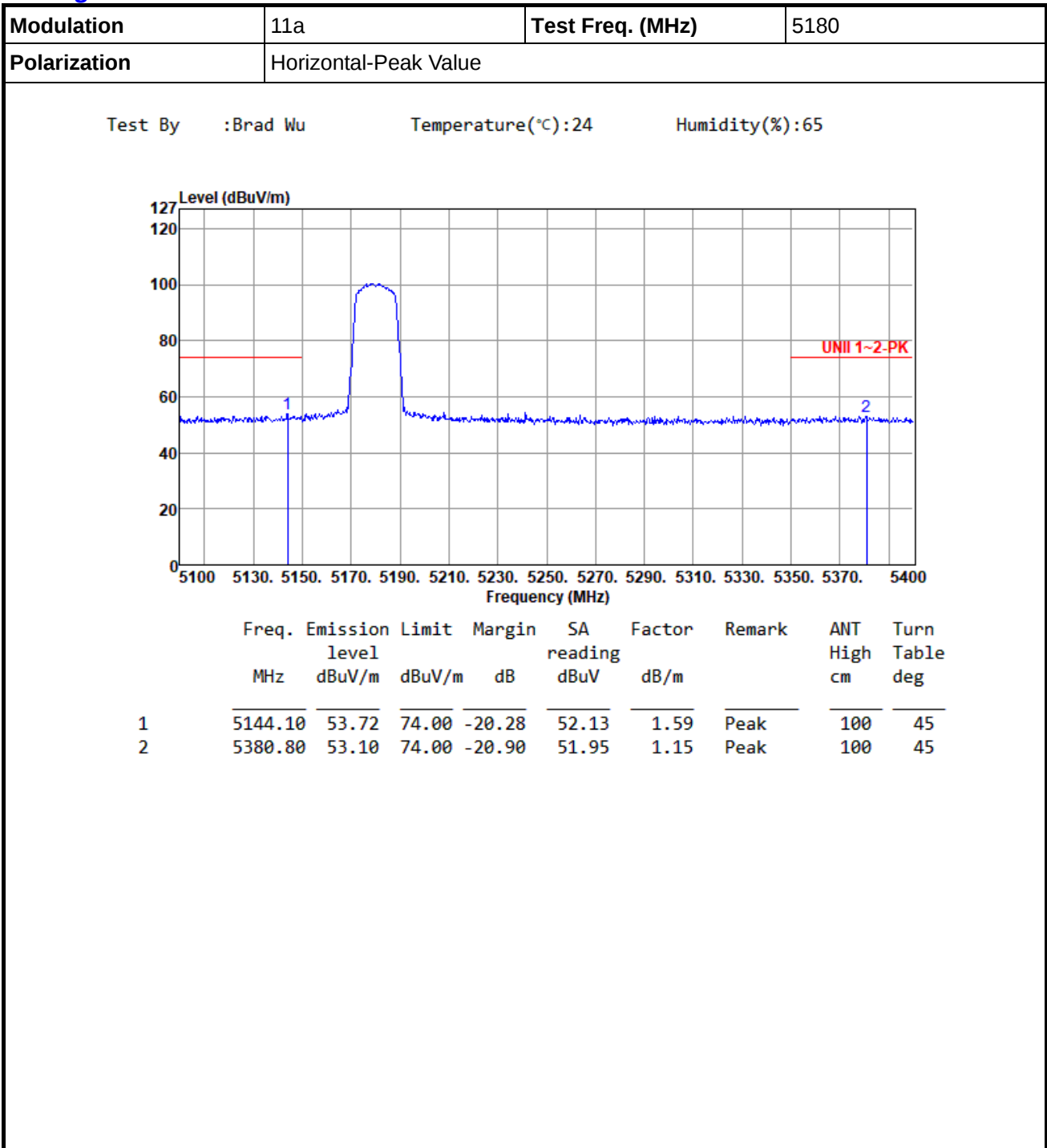


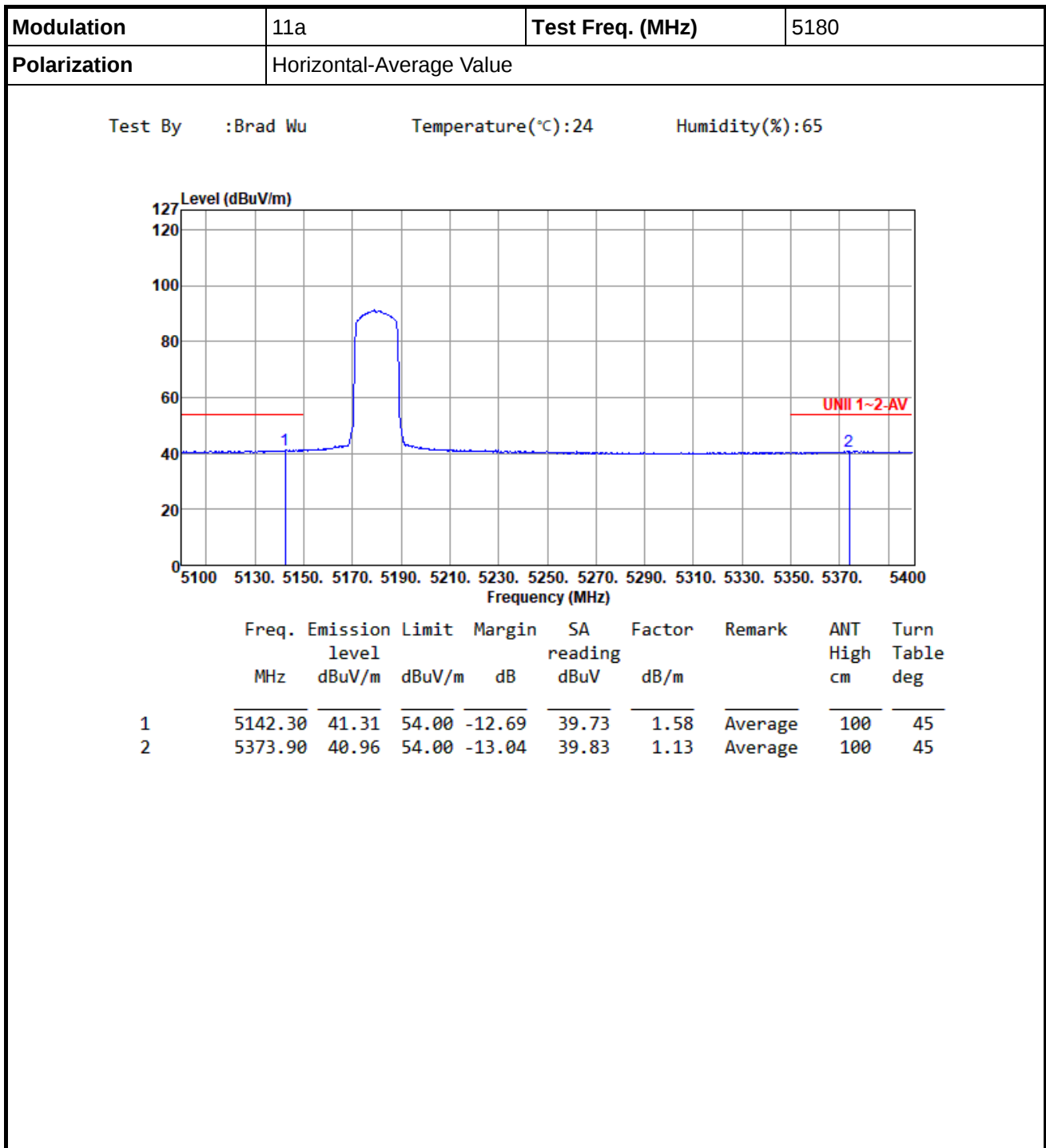


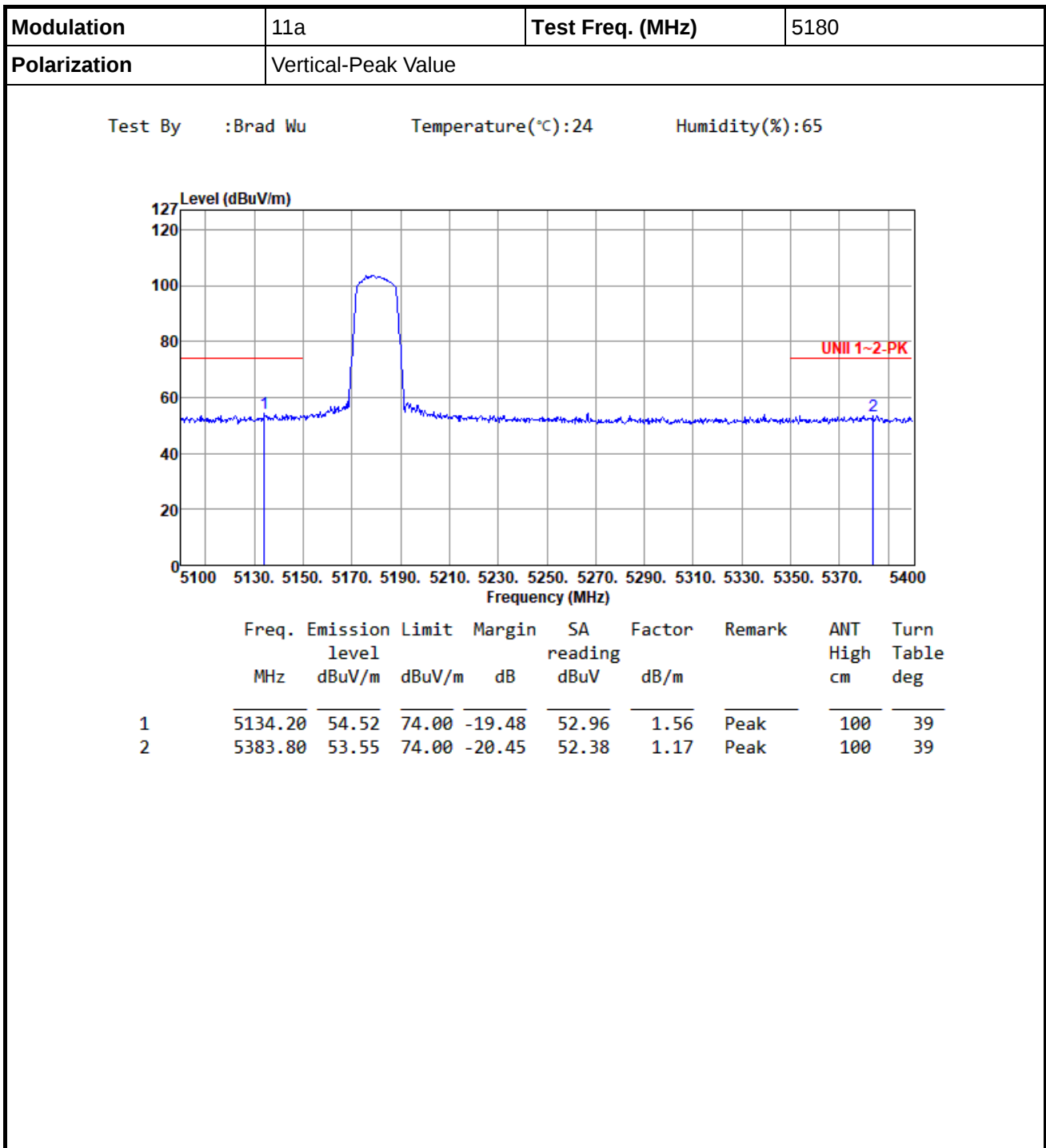


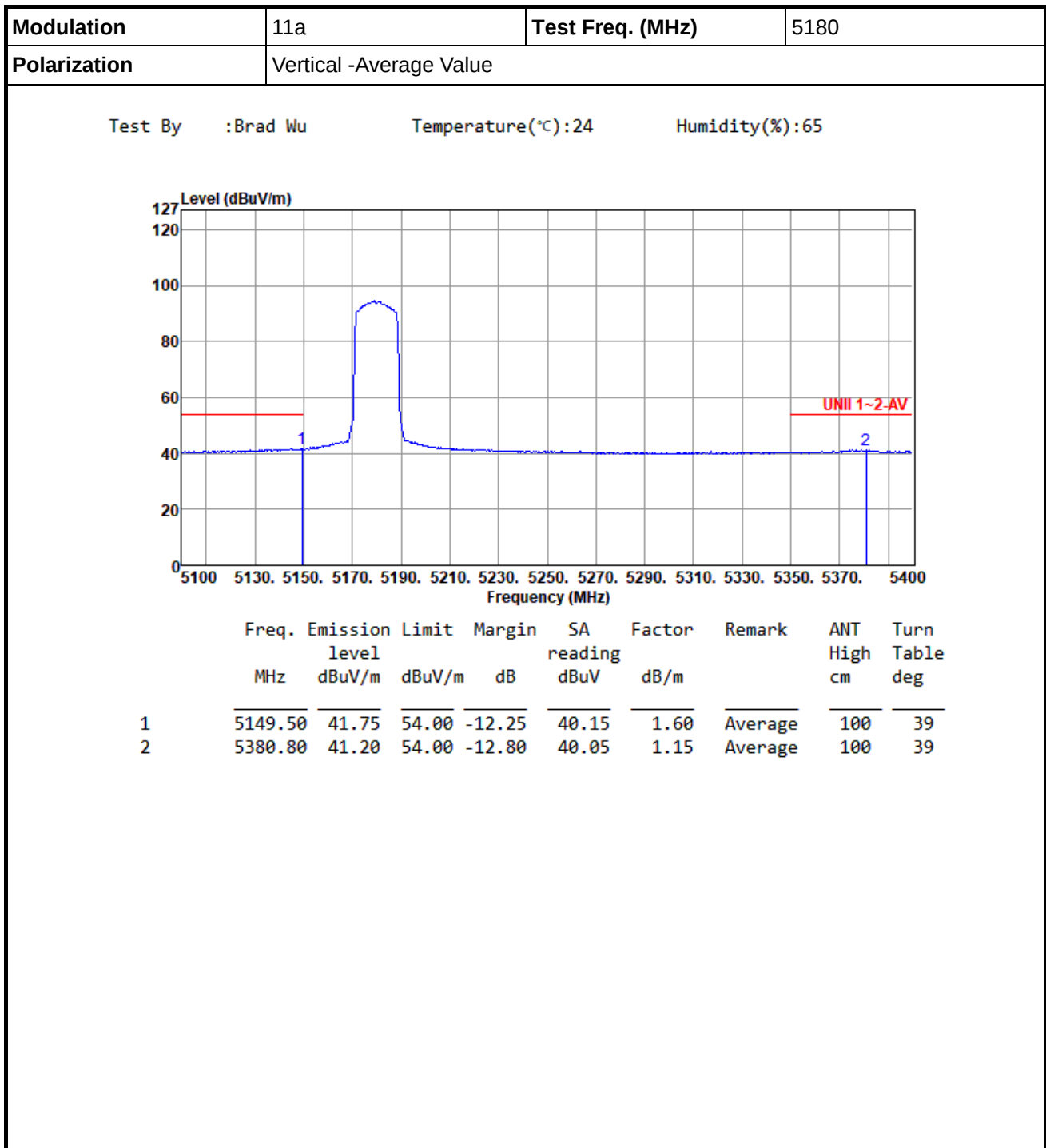


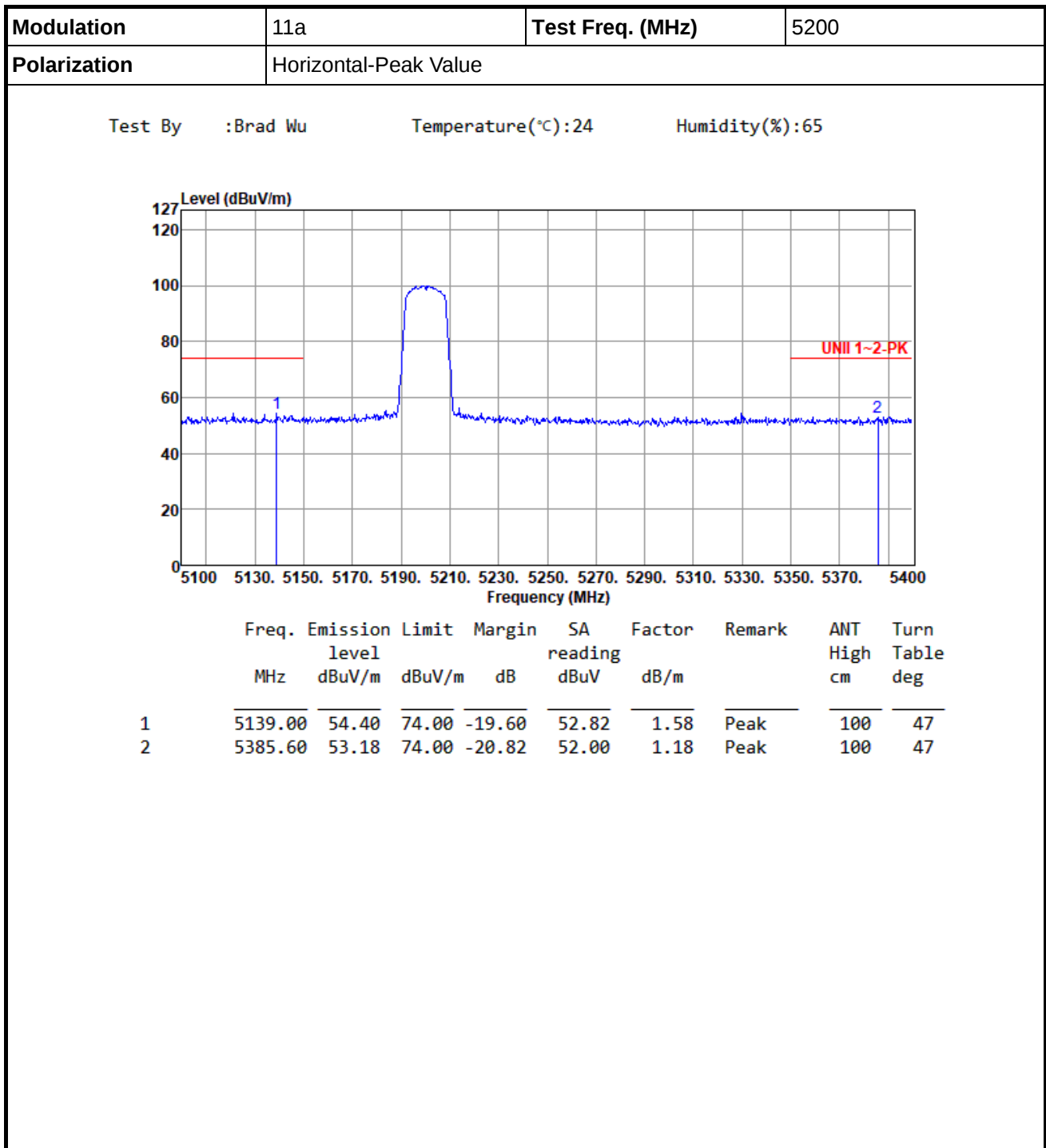
Configuration 2: MB Radio

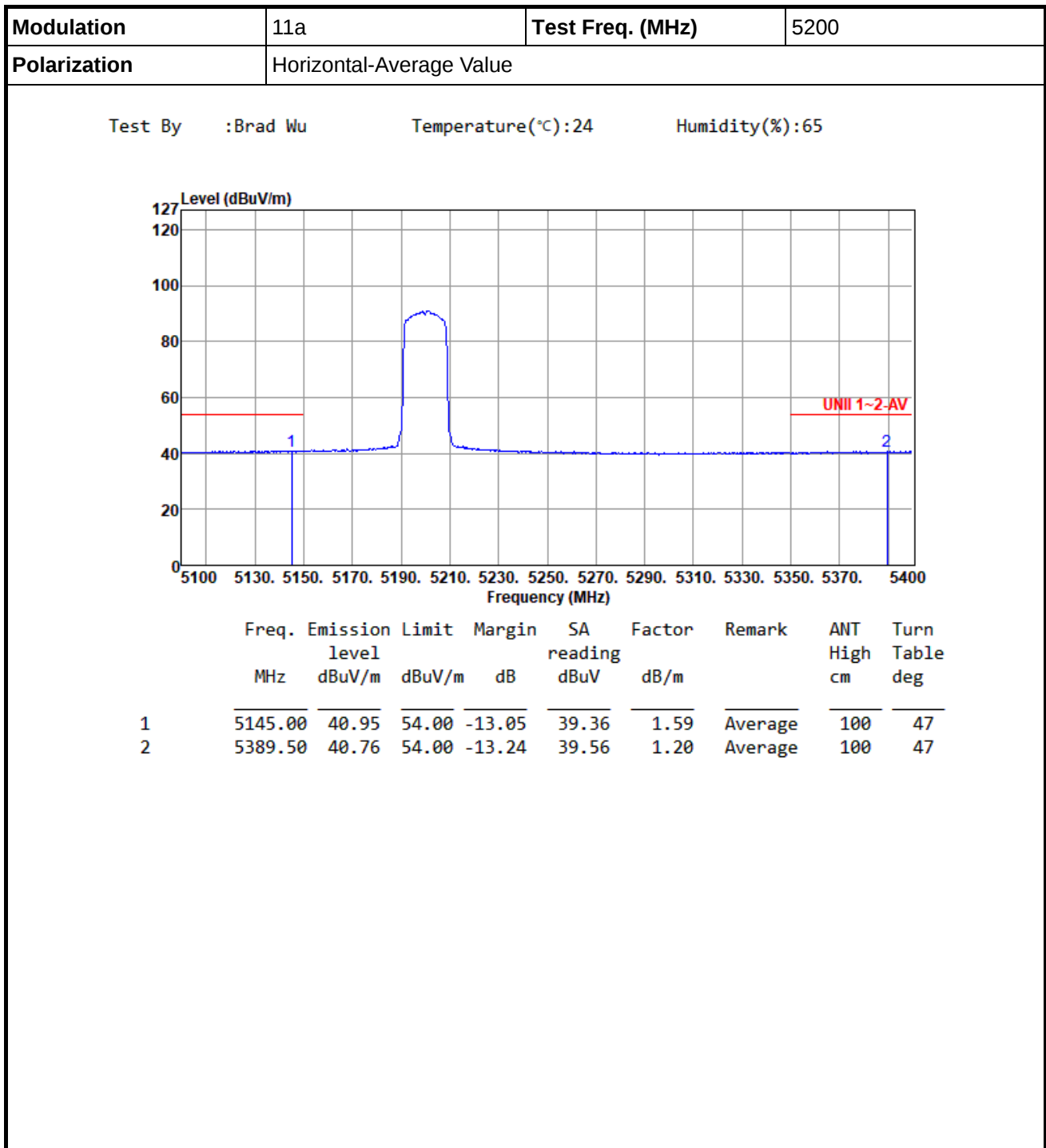


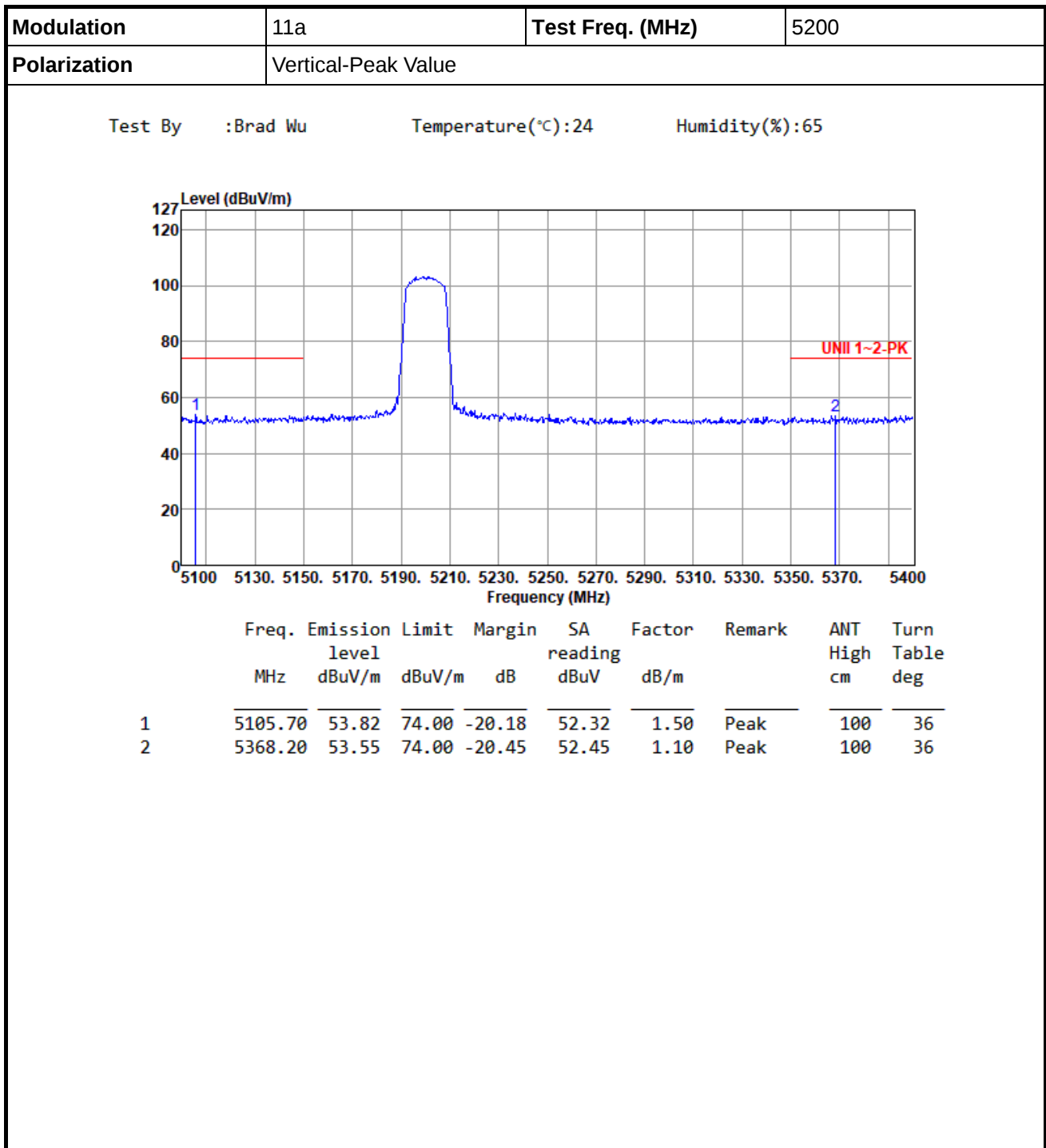


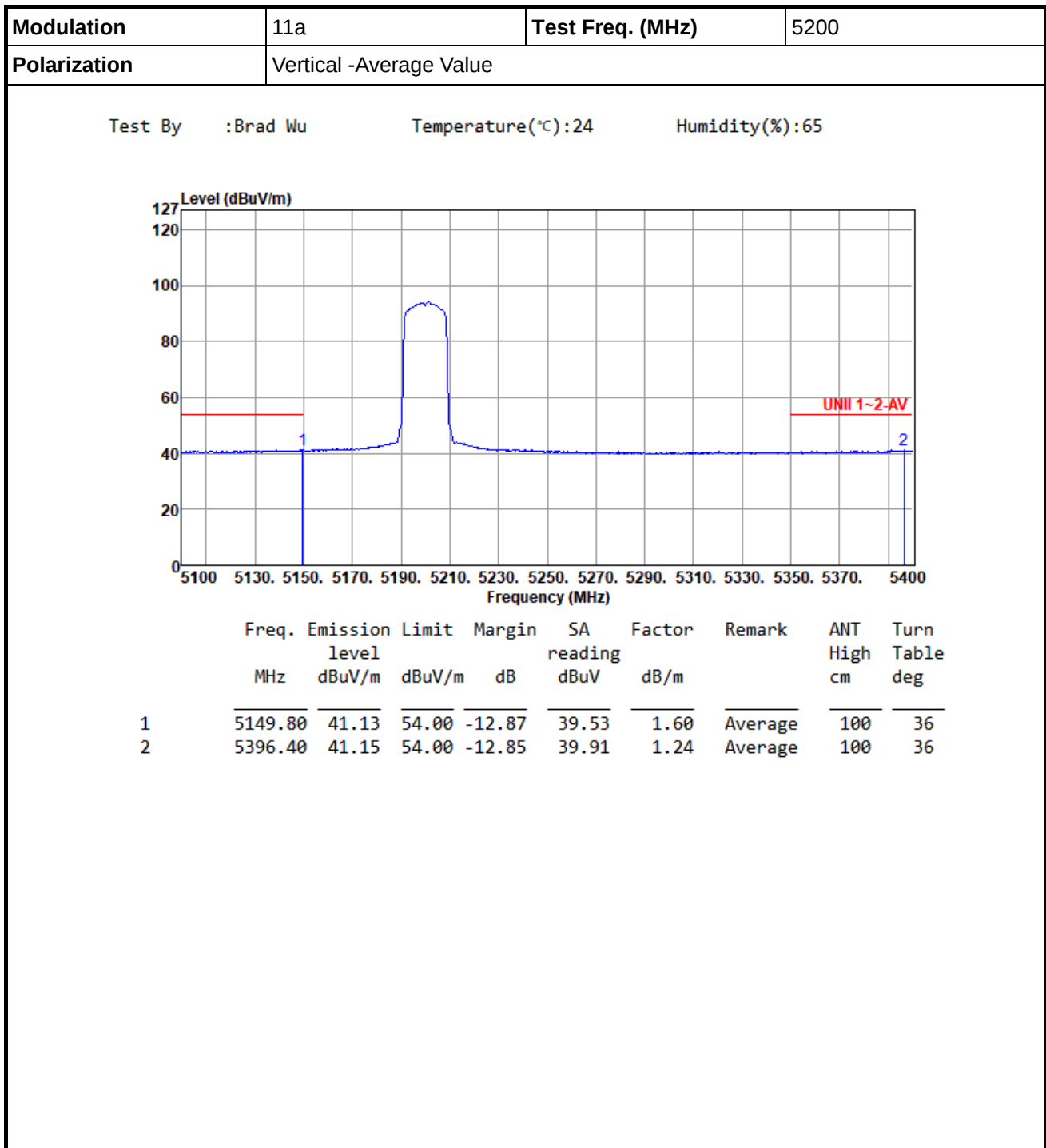


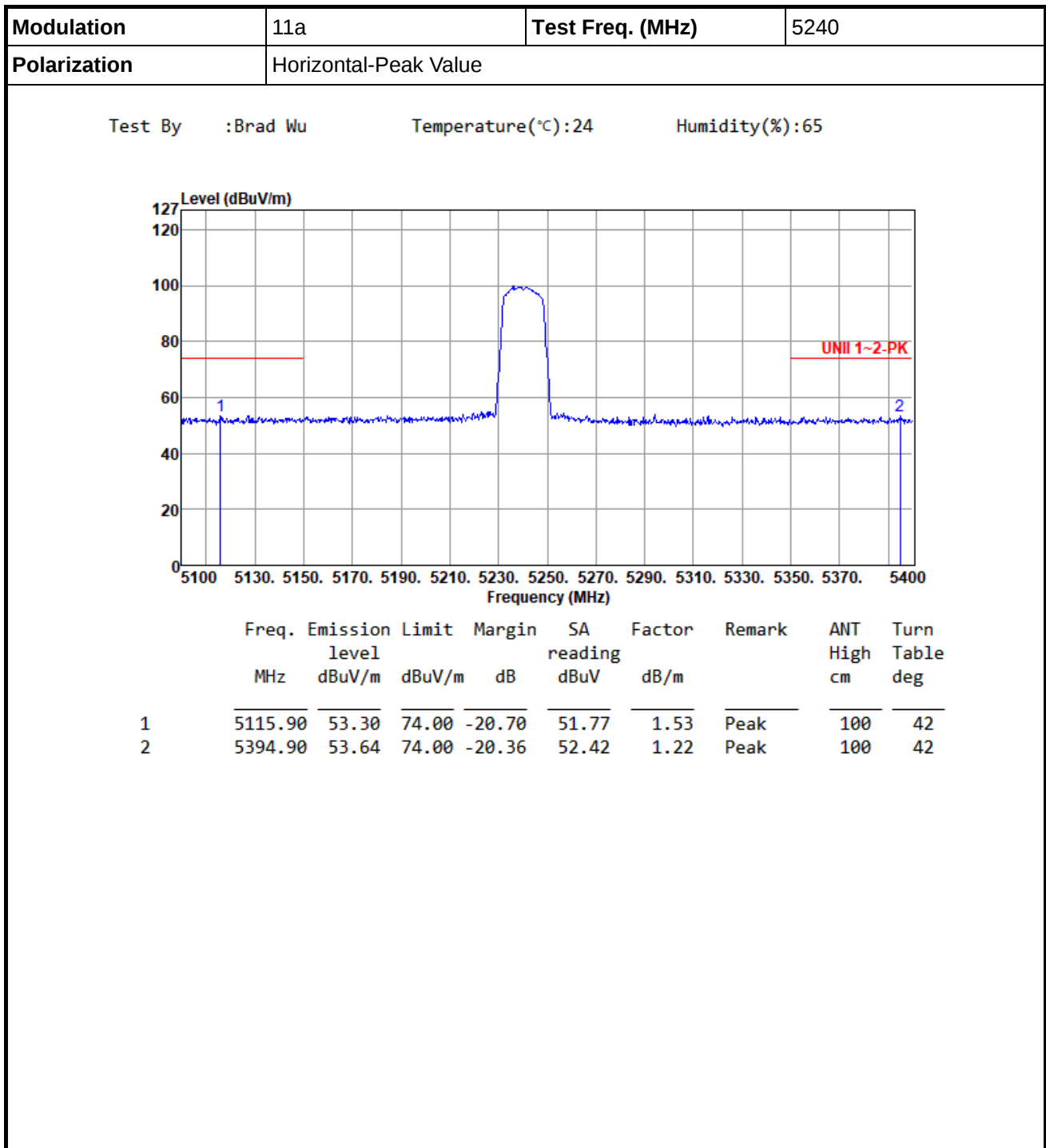


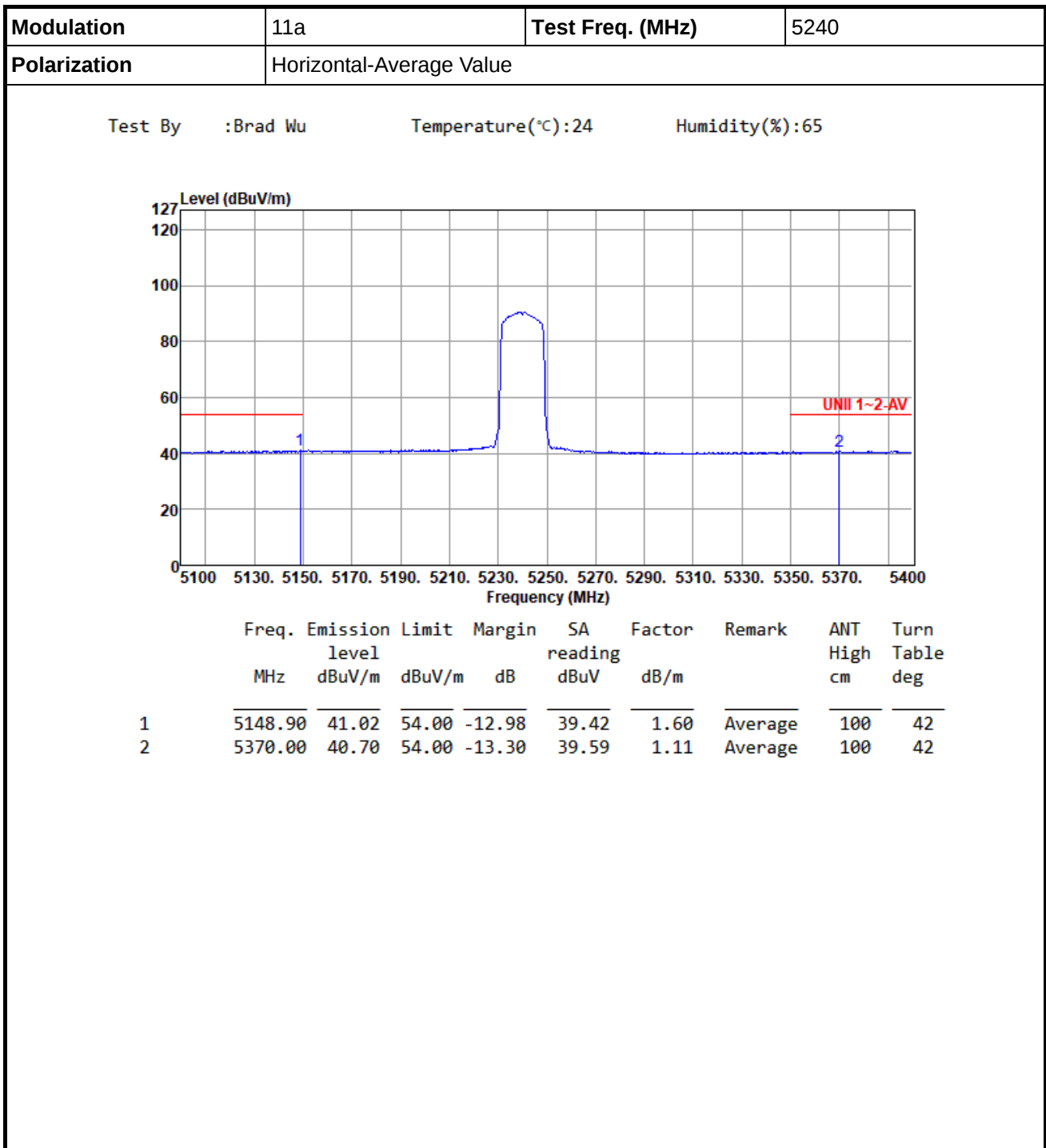


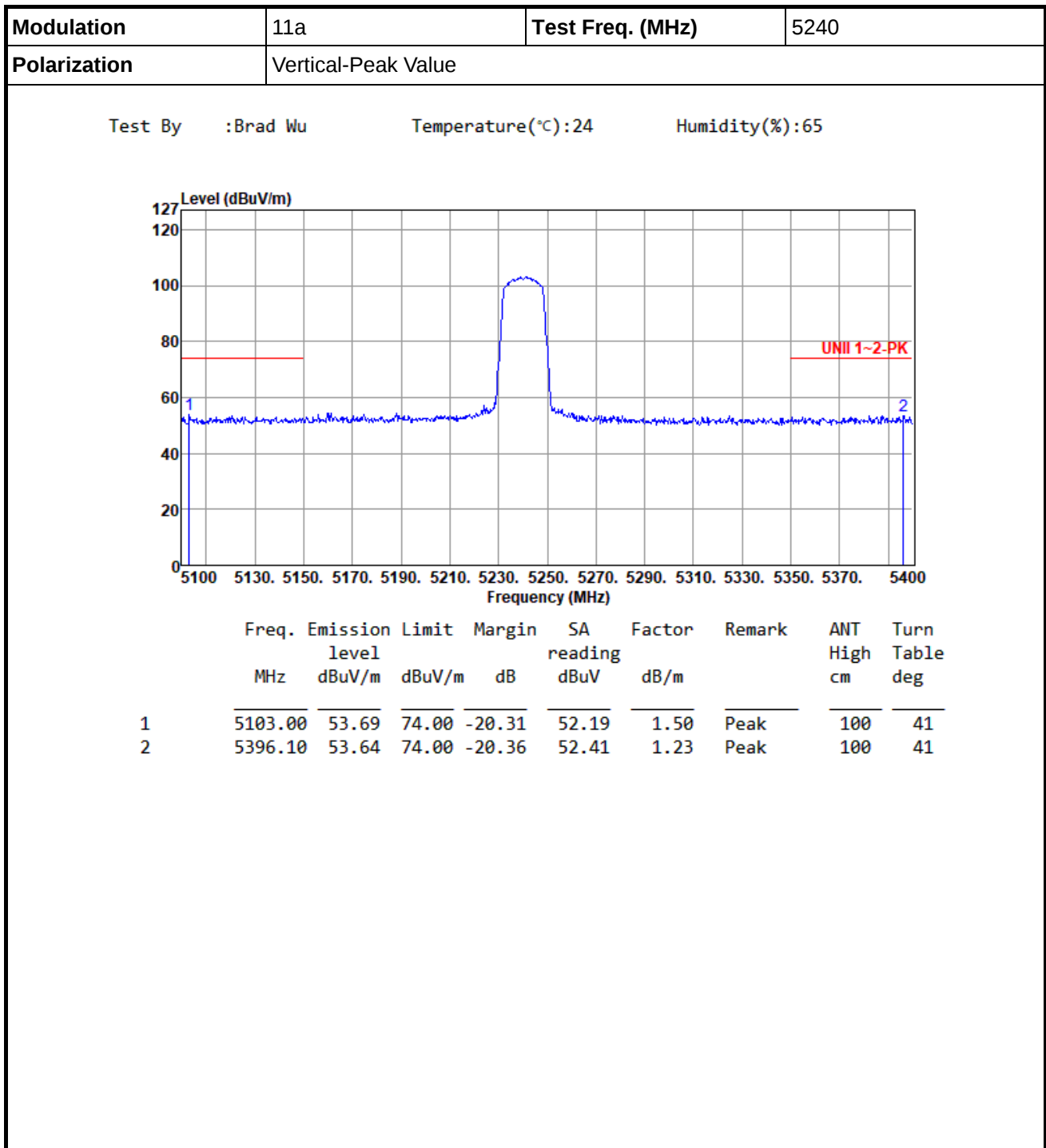


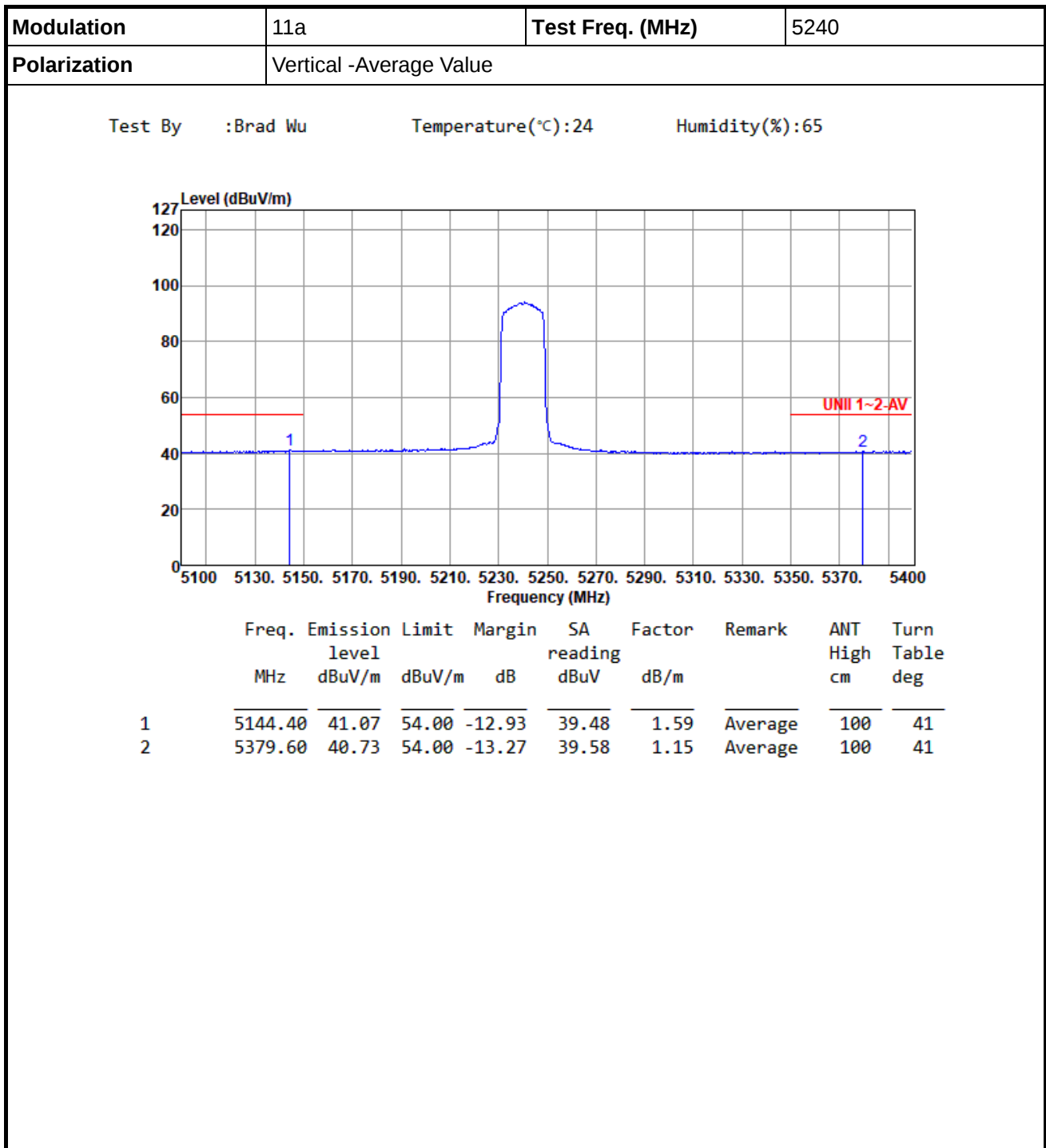


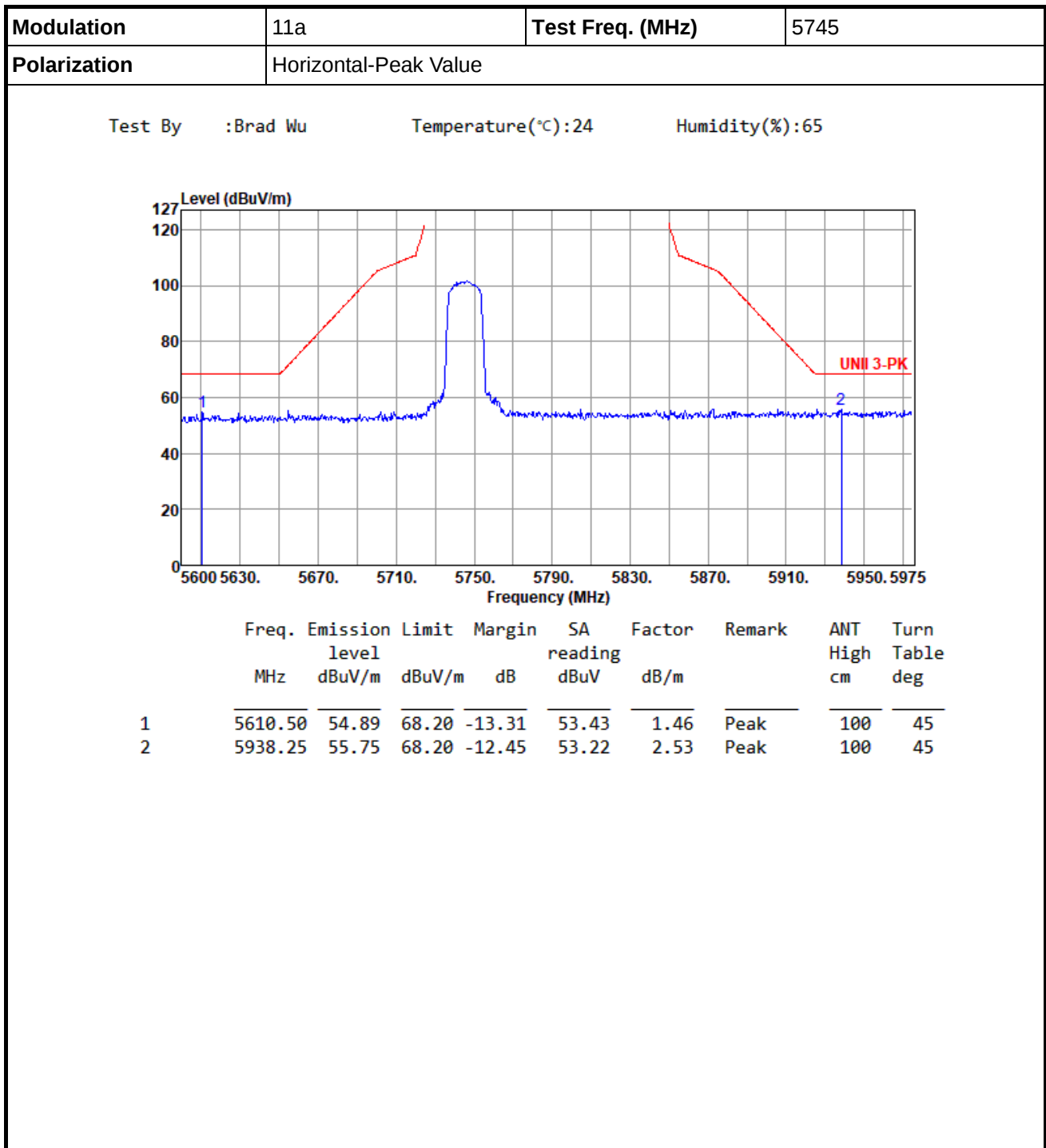


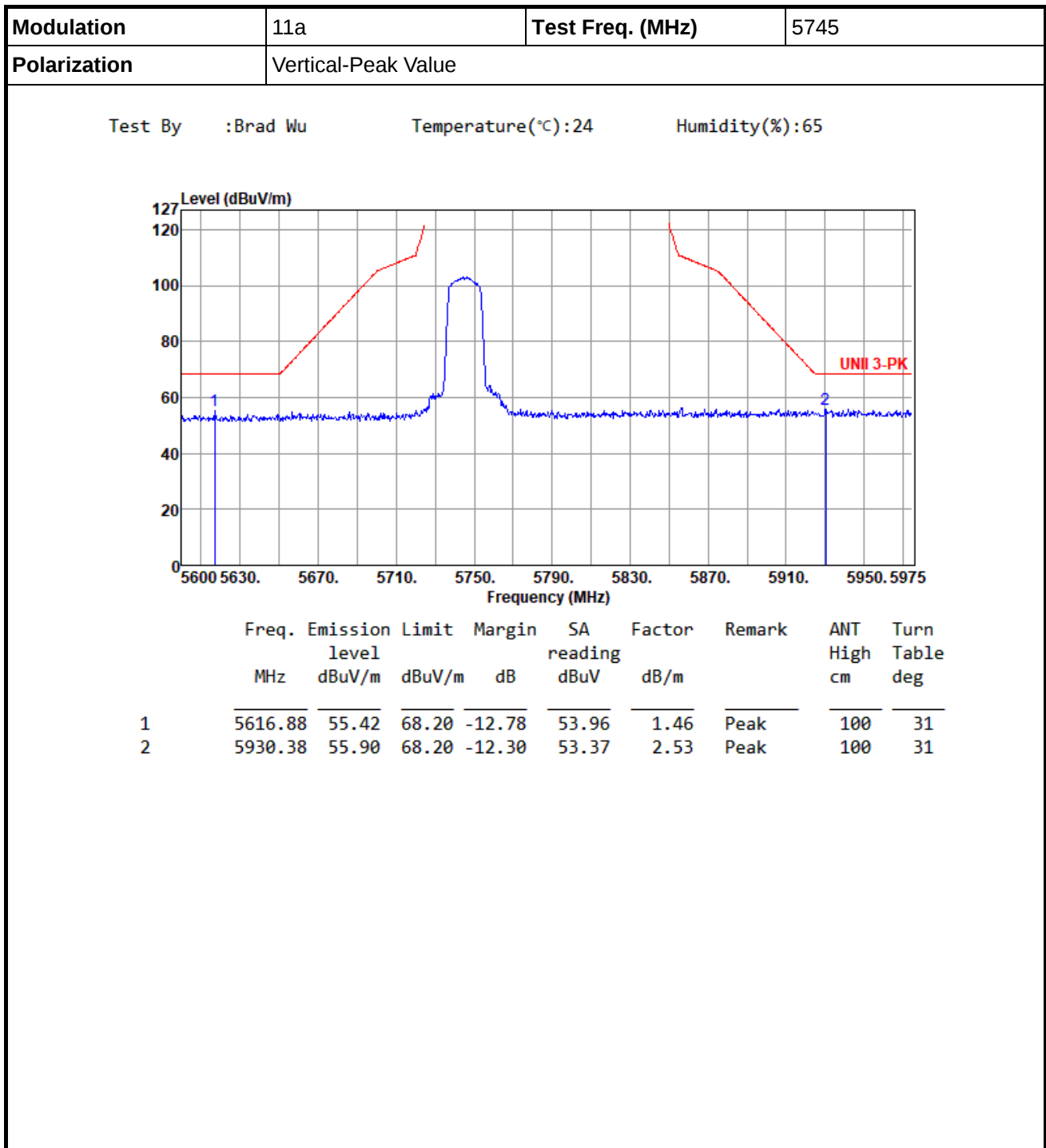


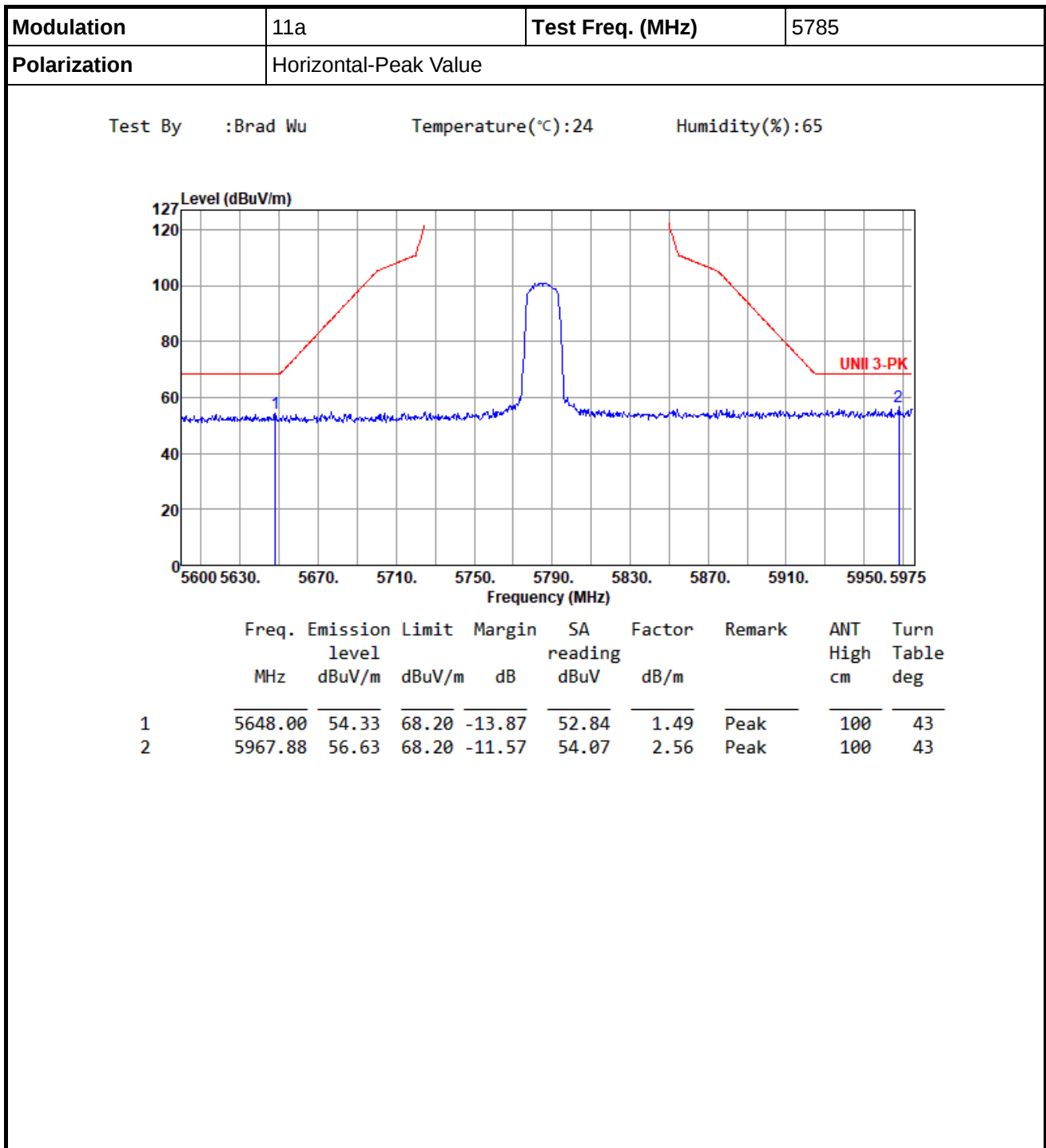


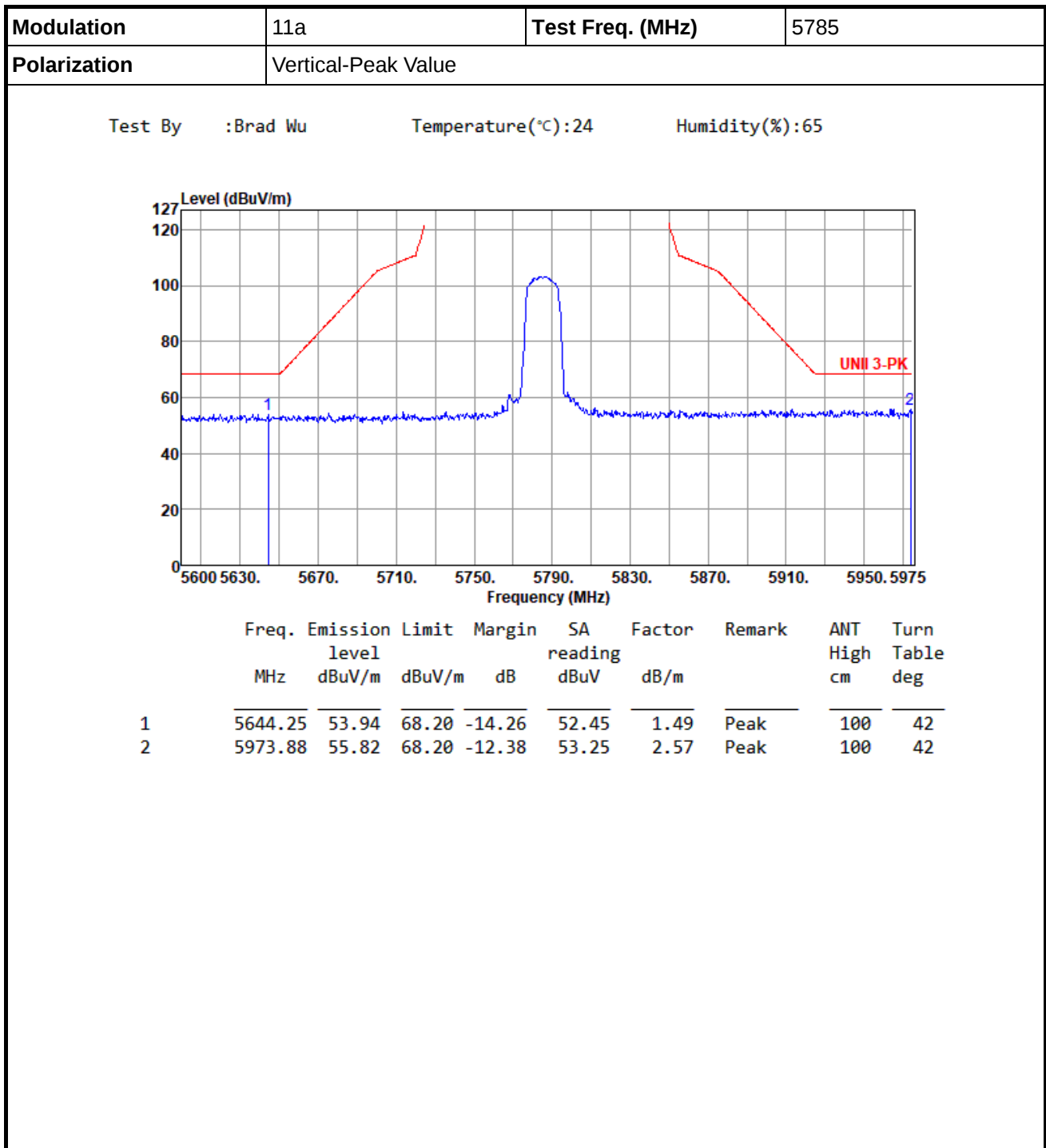


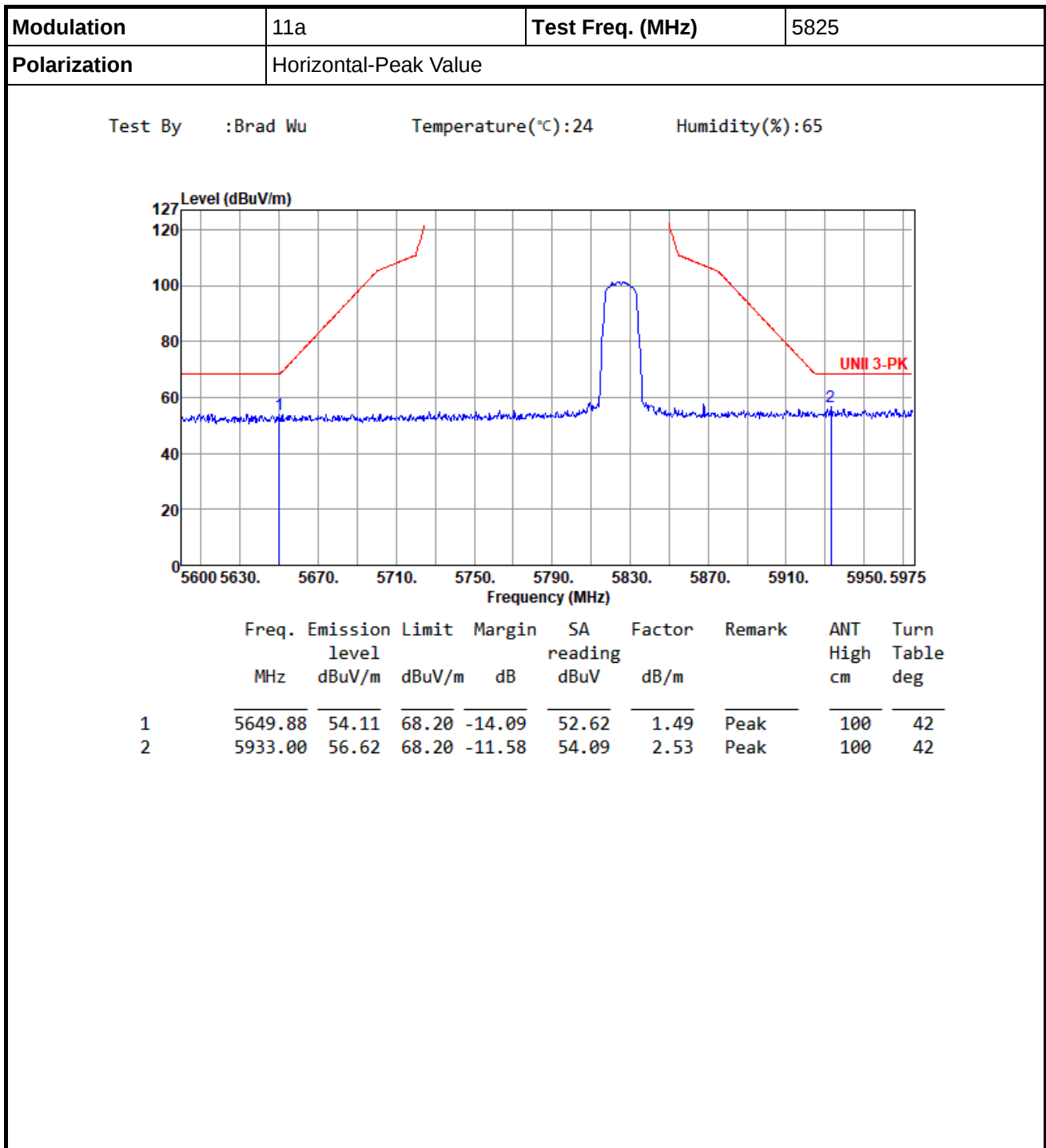


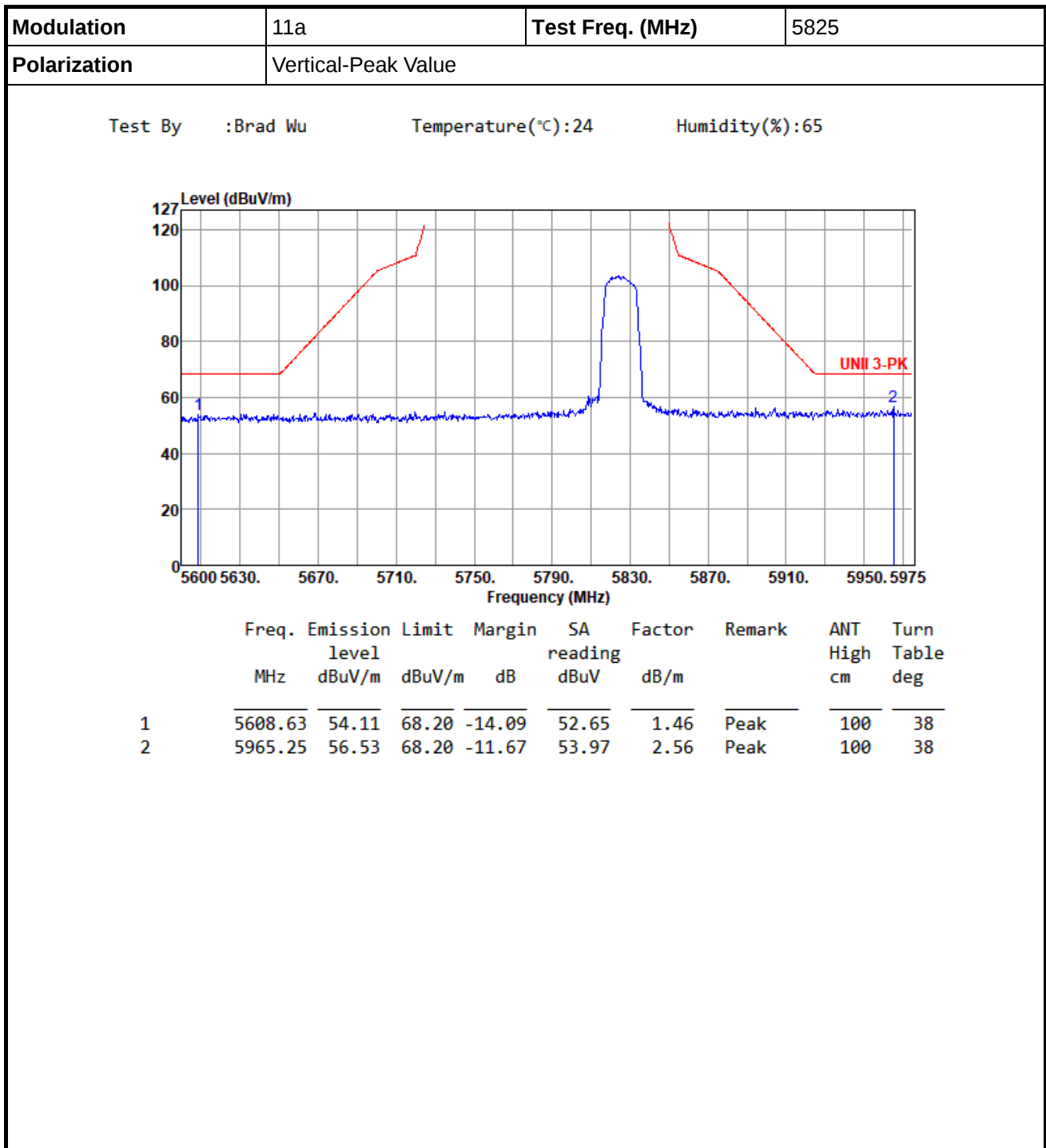


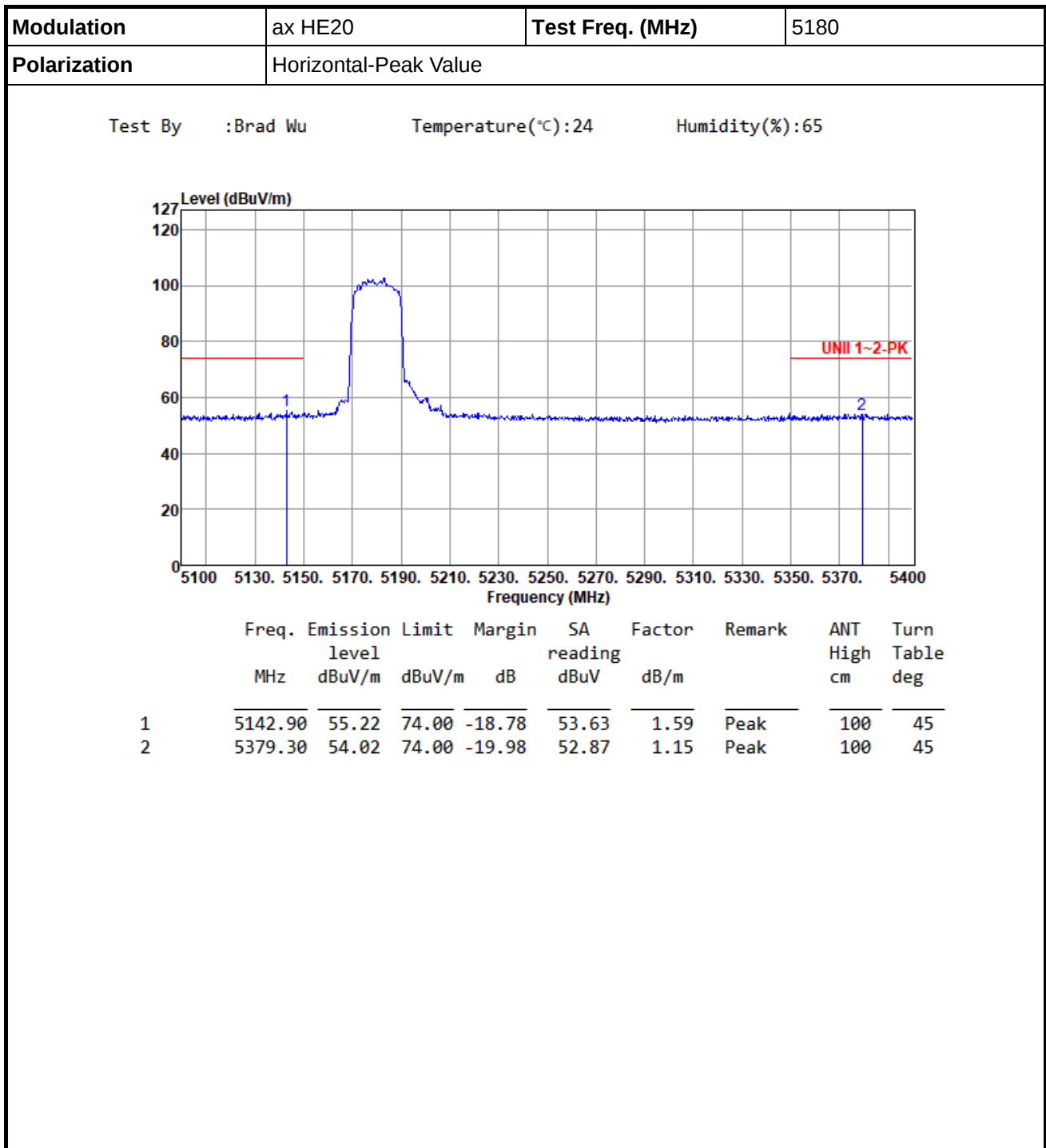


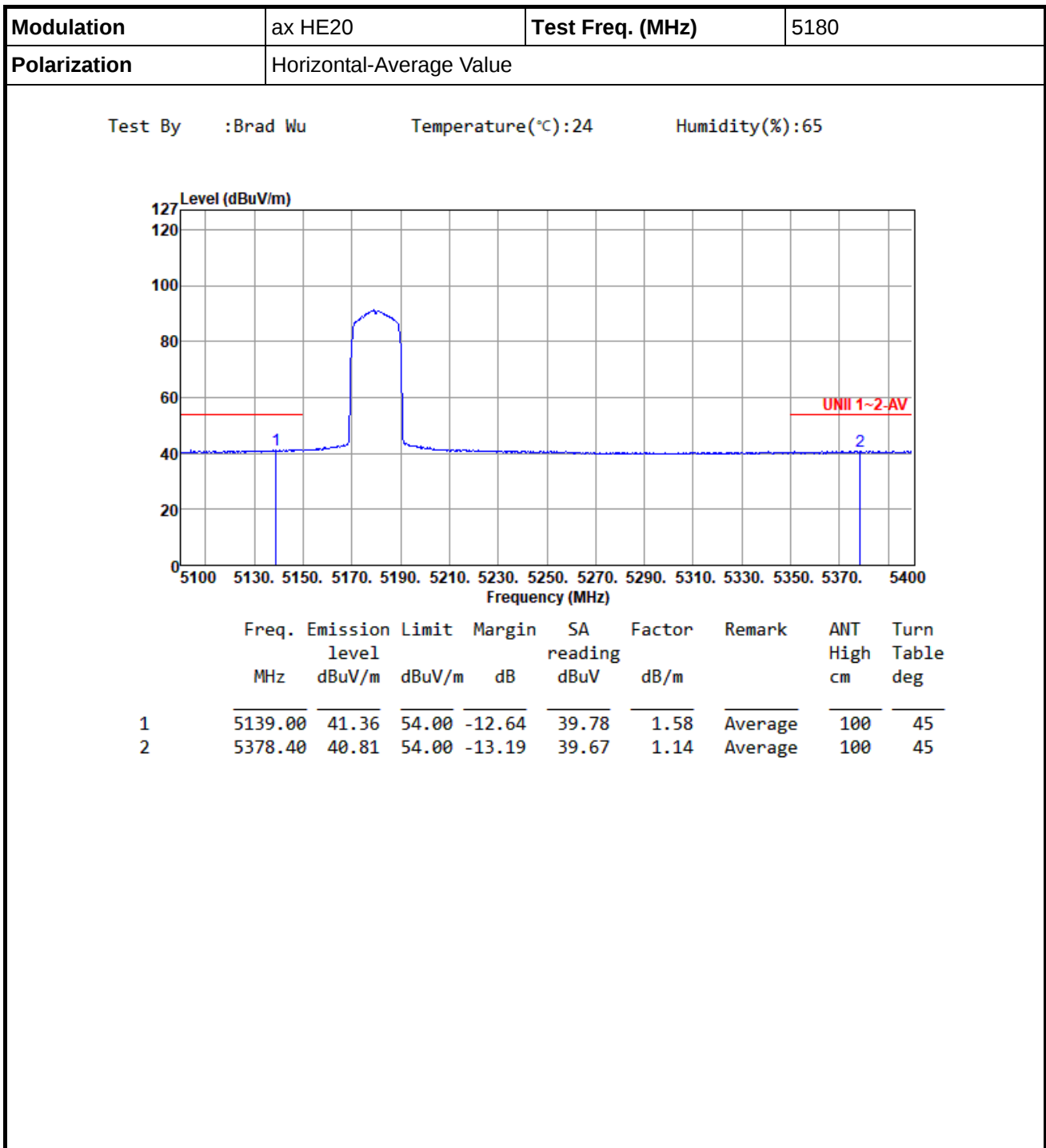


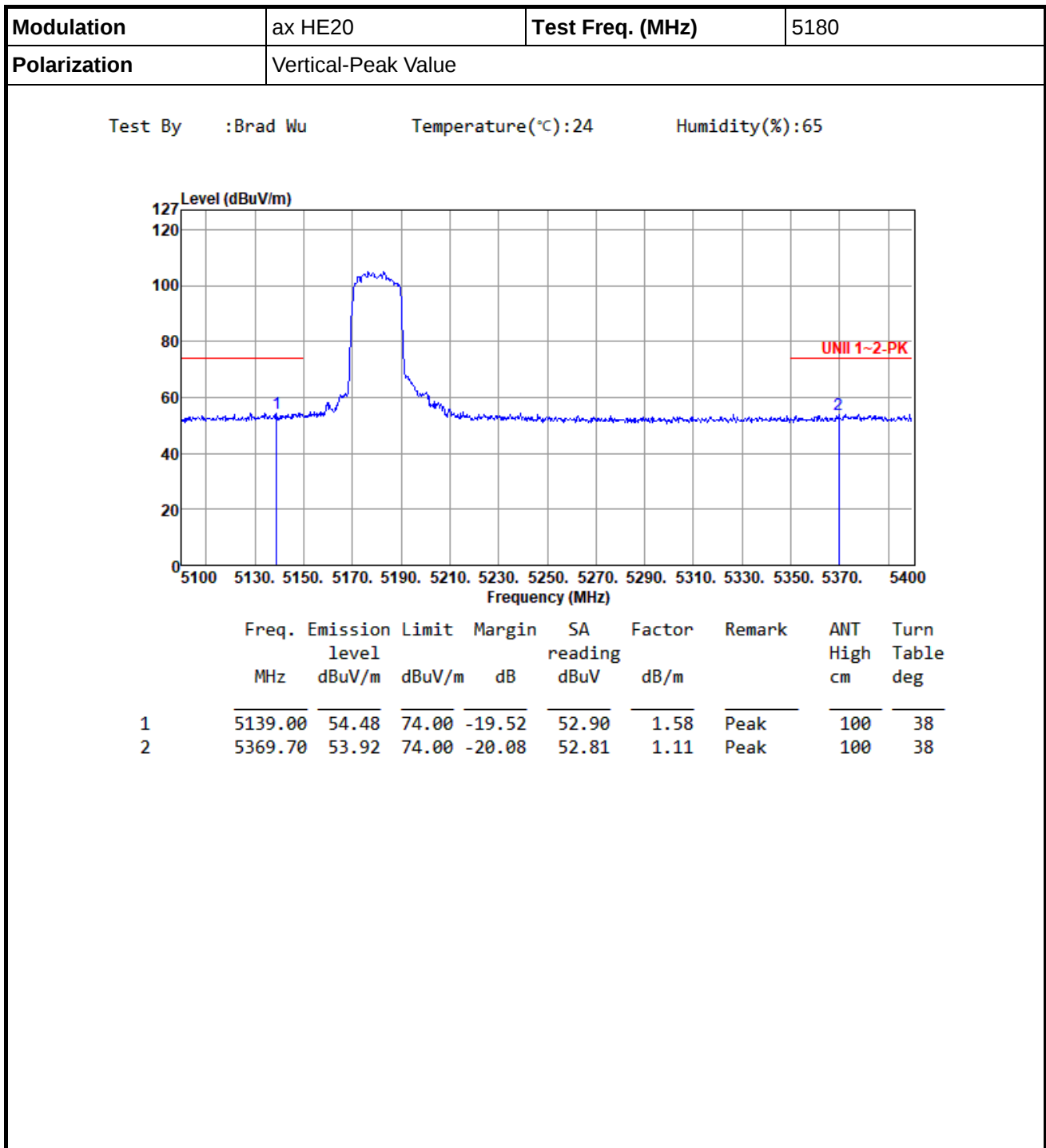


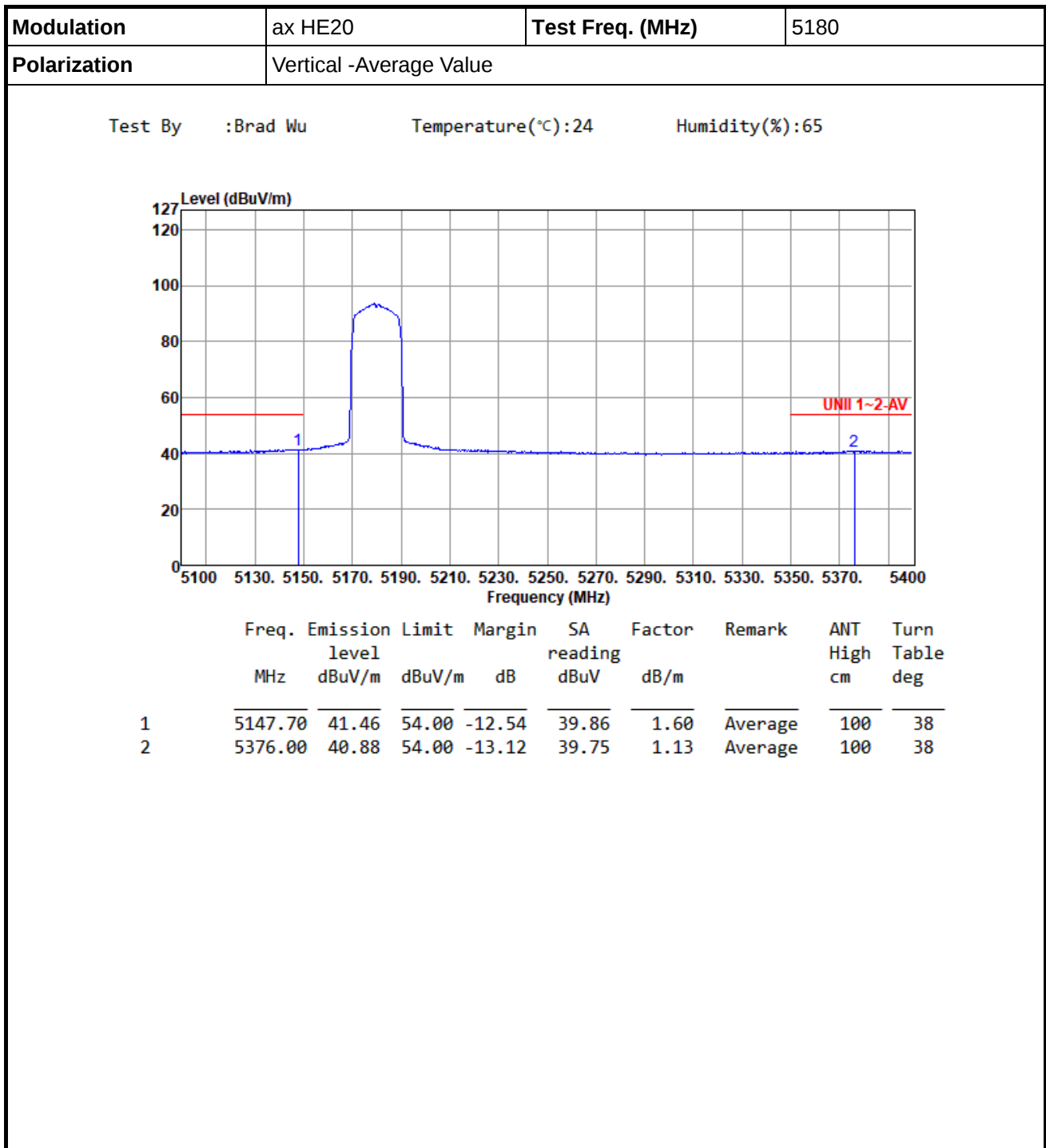


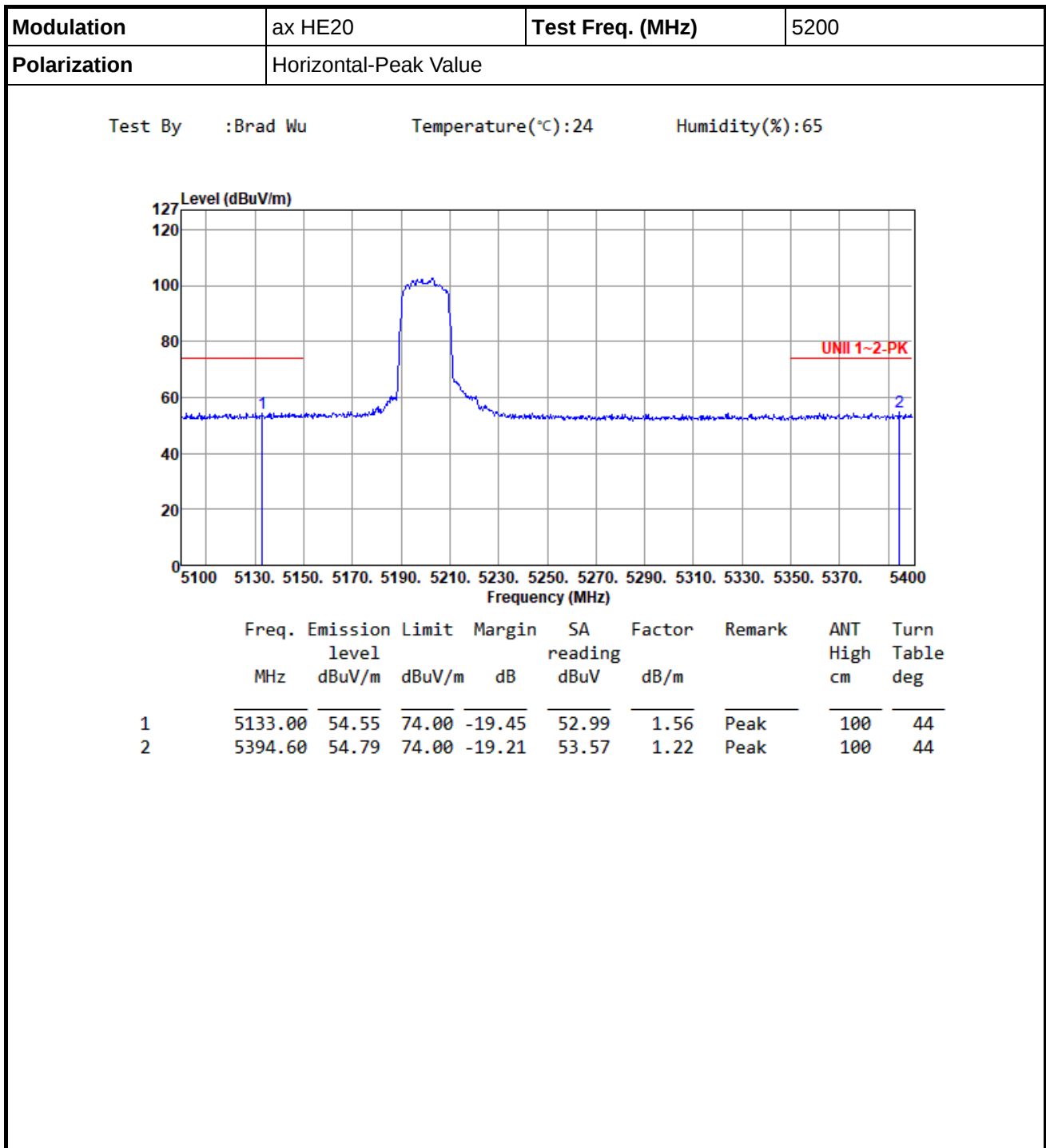








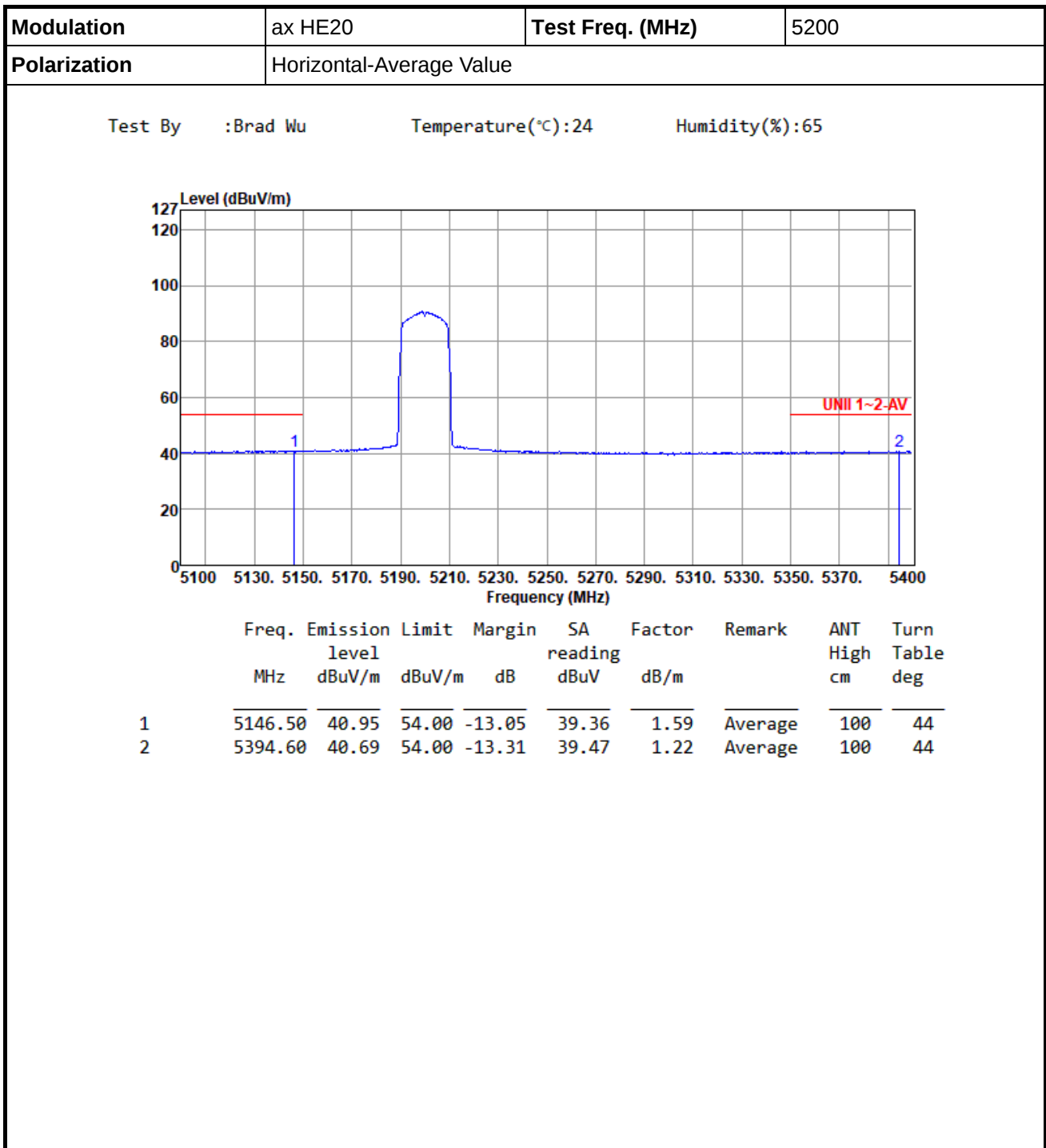


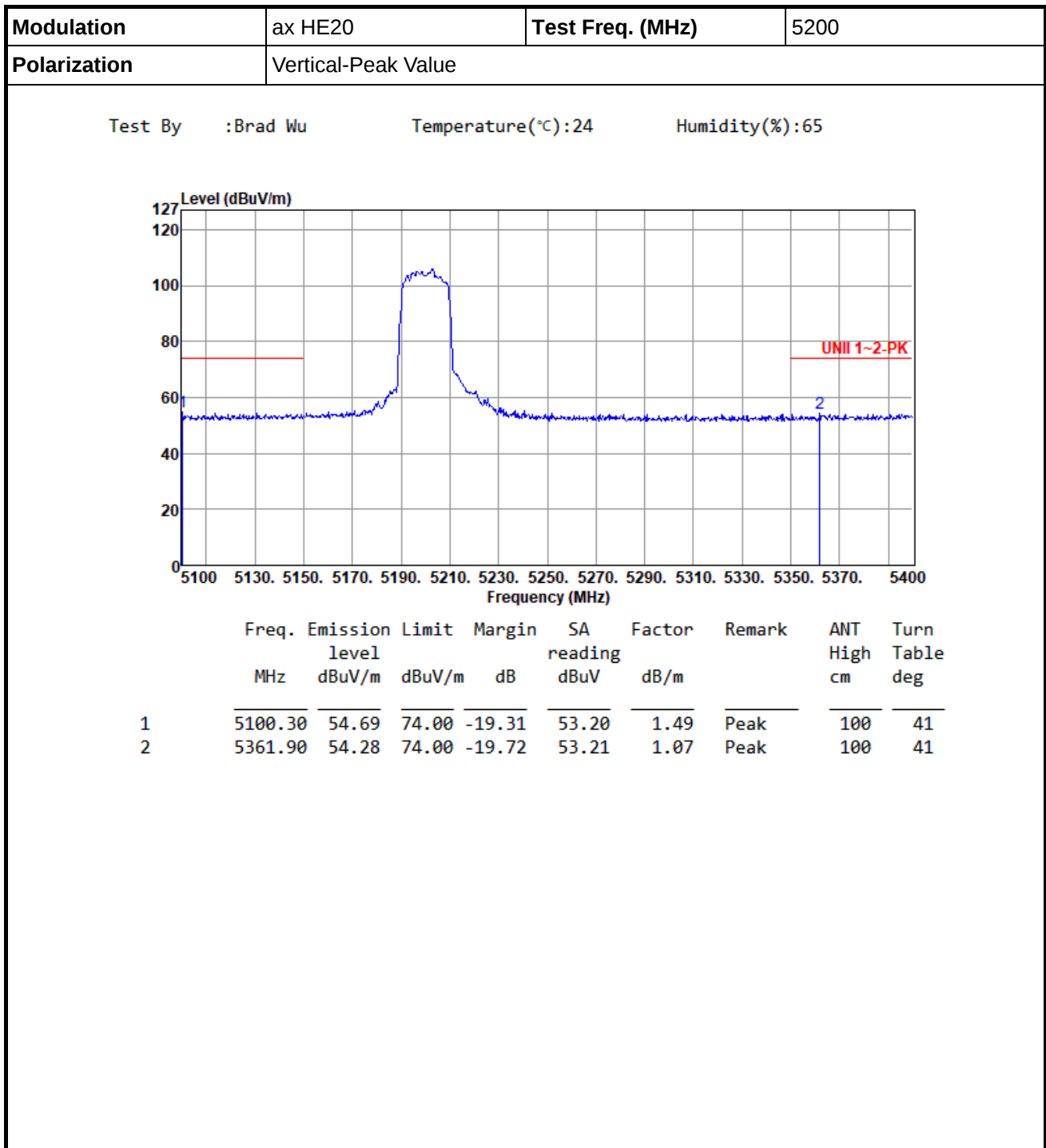




Band Edge measurement

Appendix D

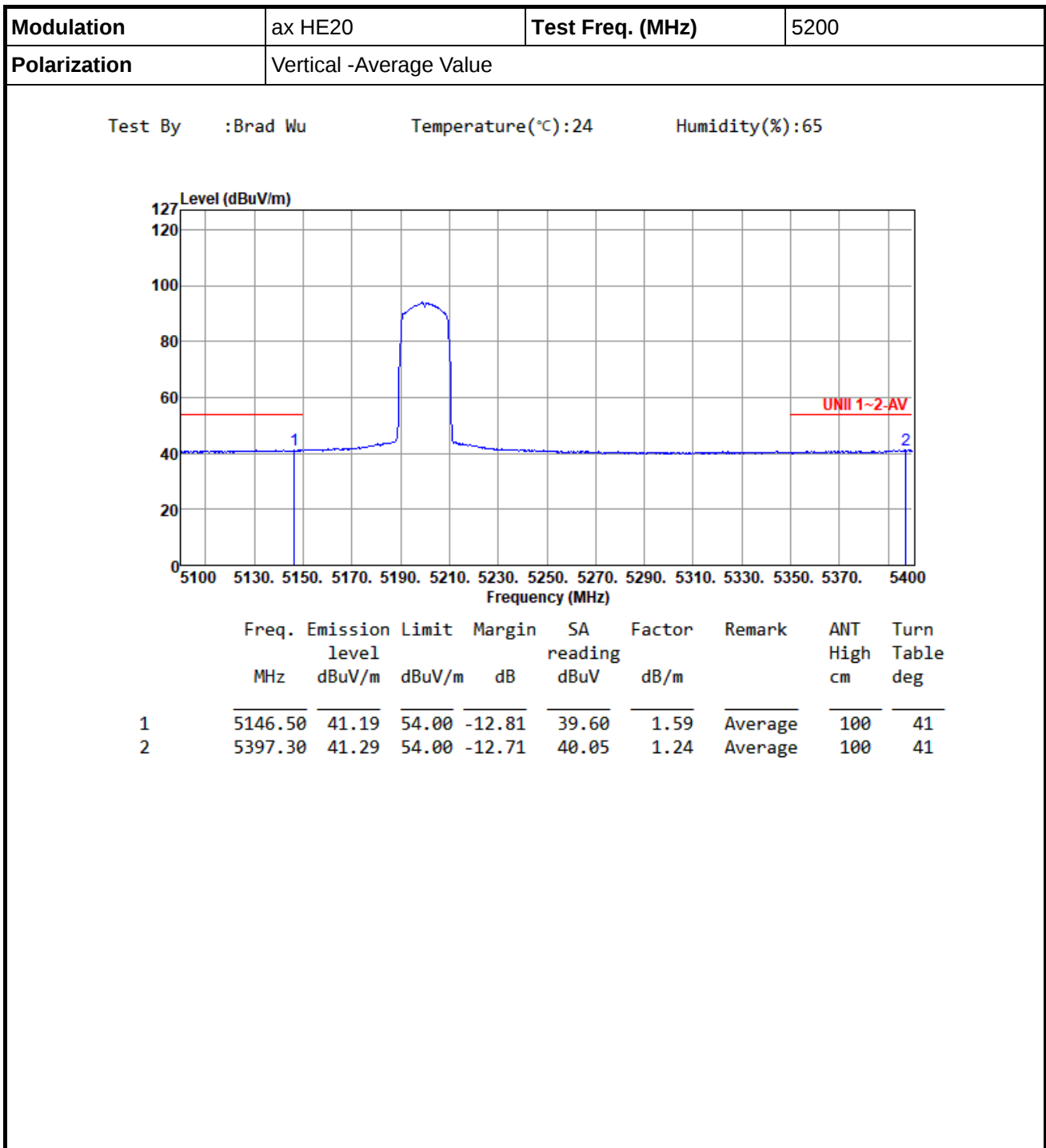


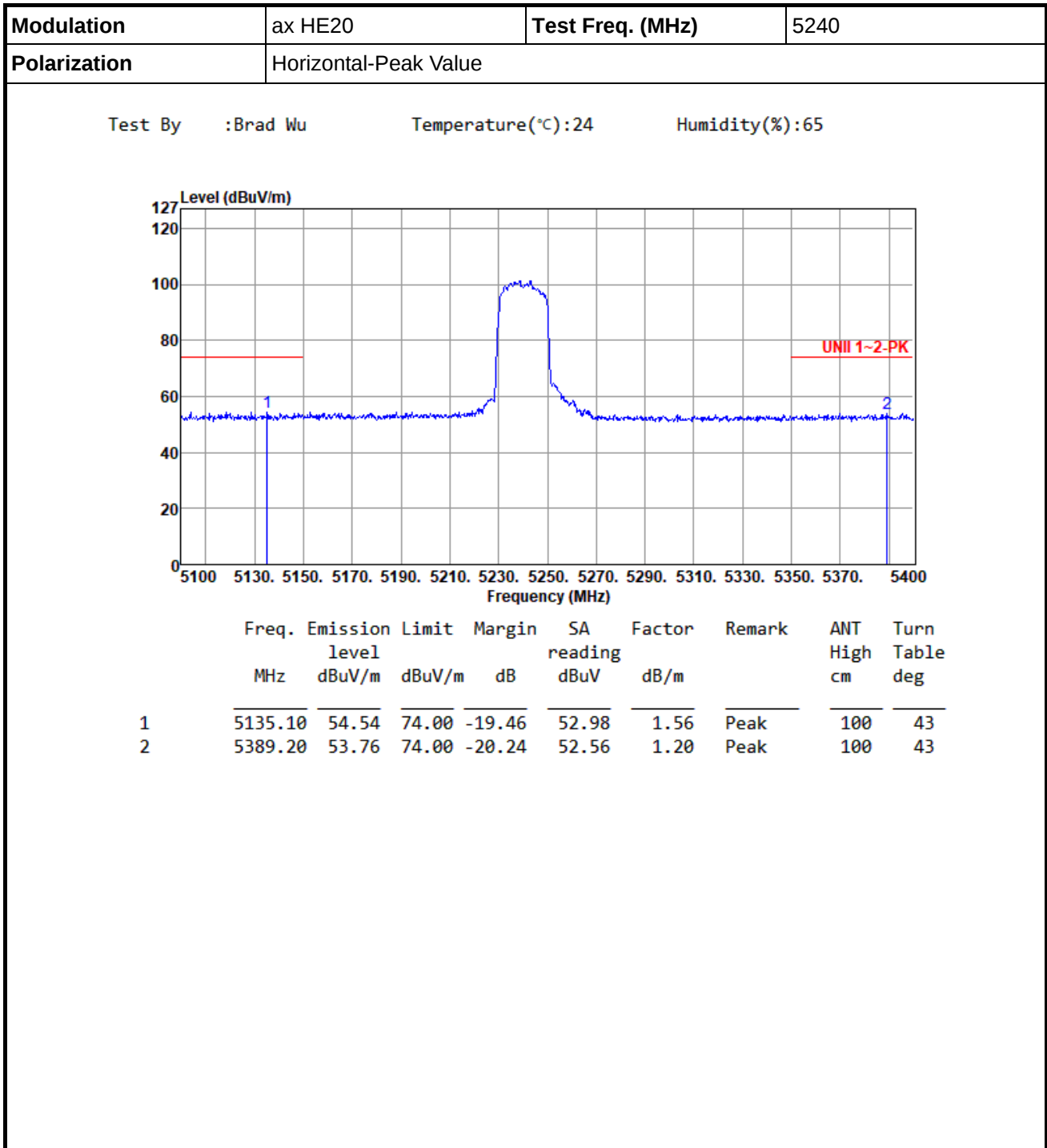


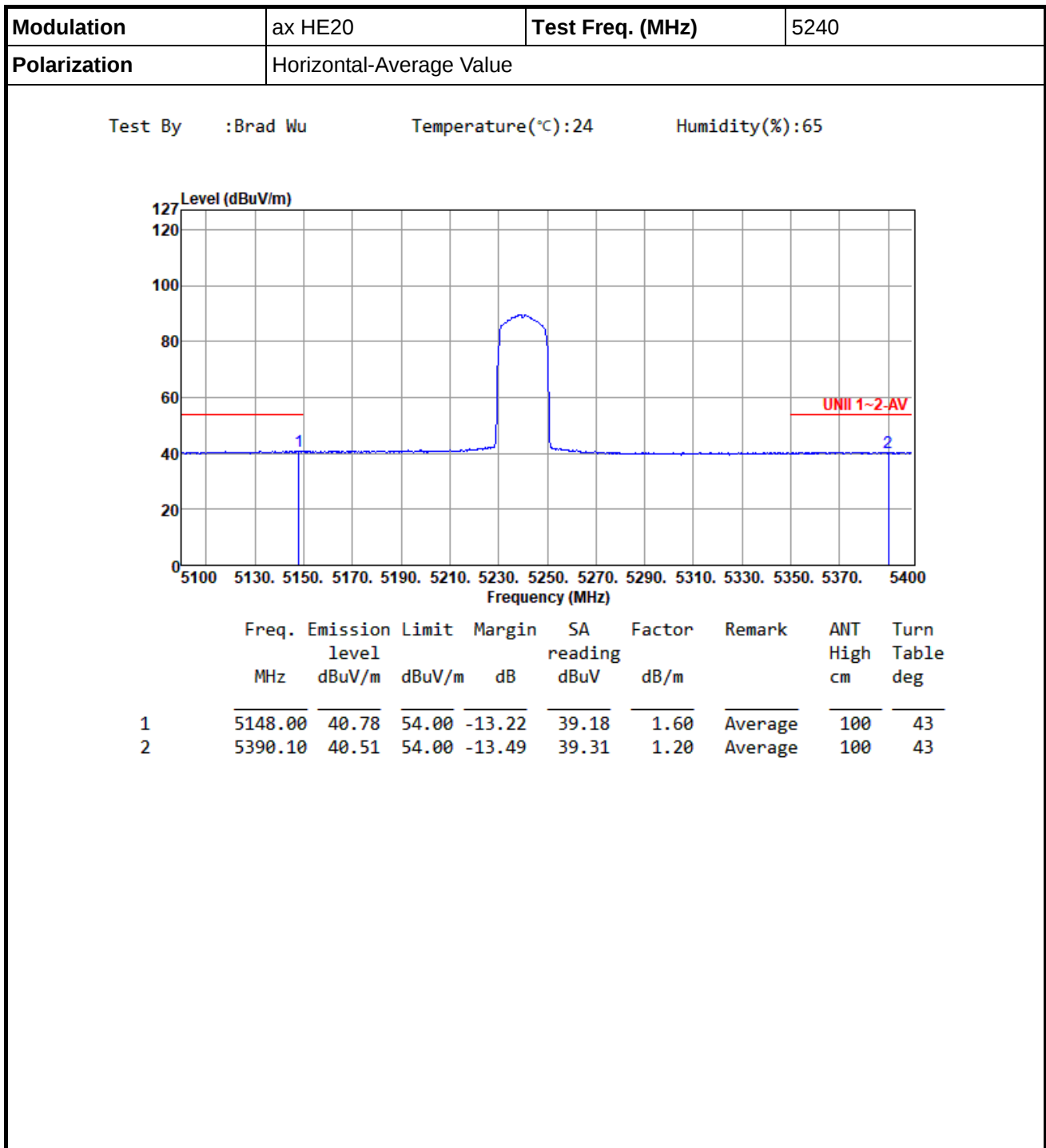


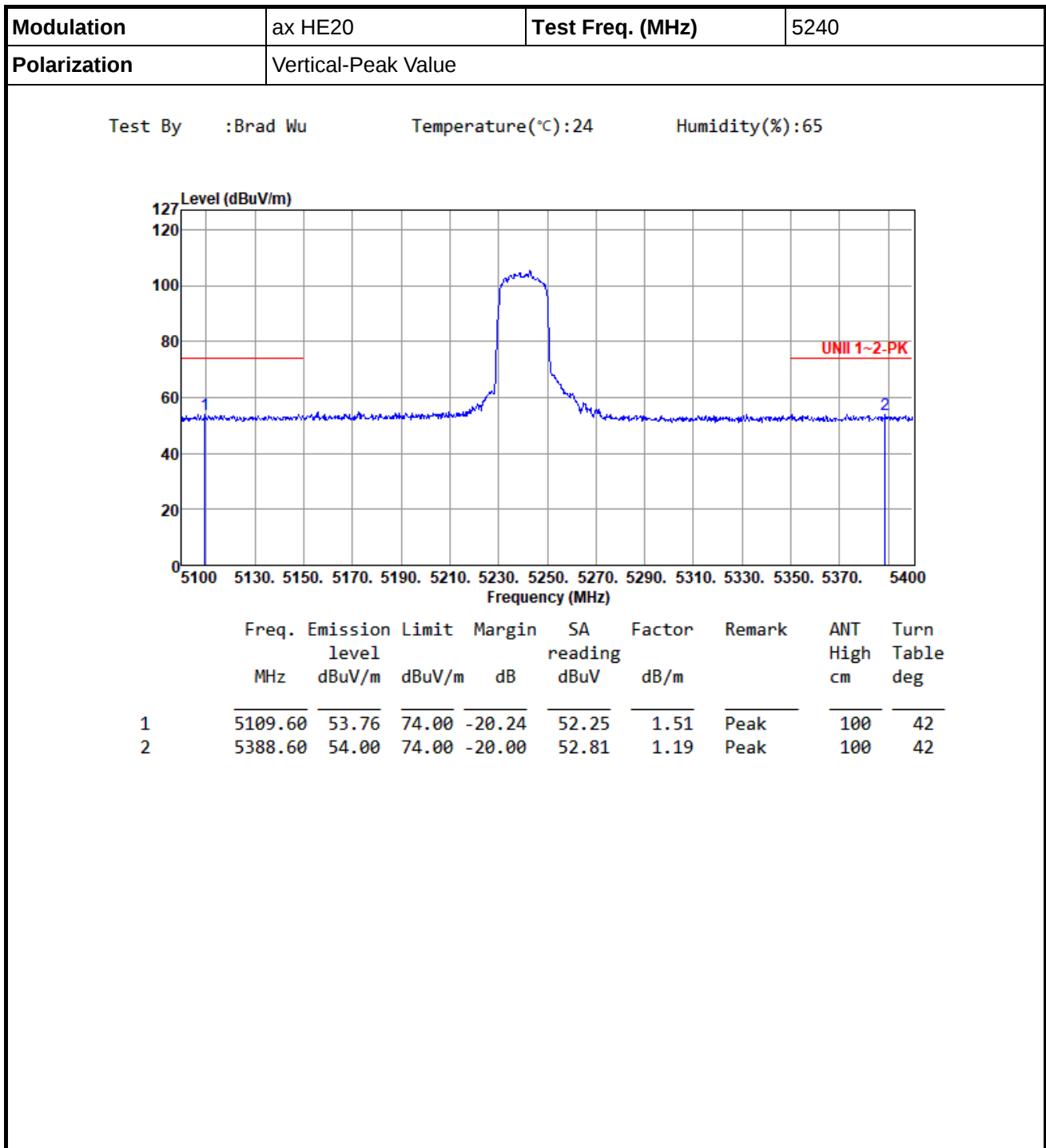
Band Edge measurement

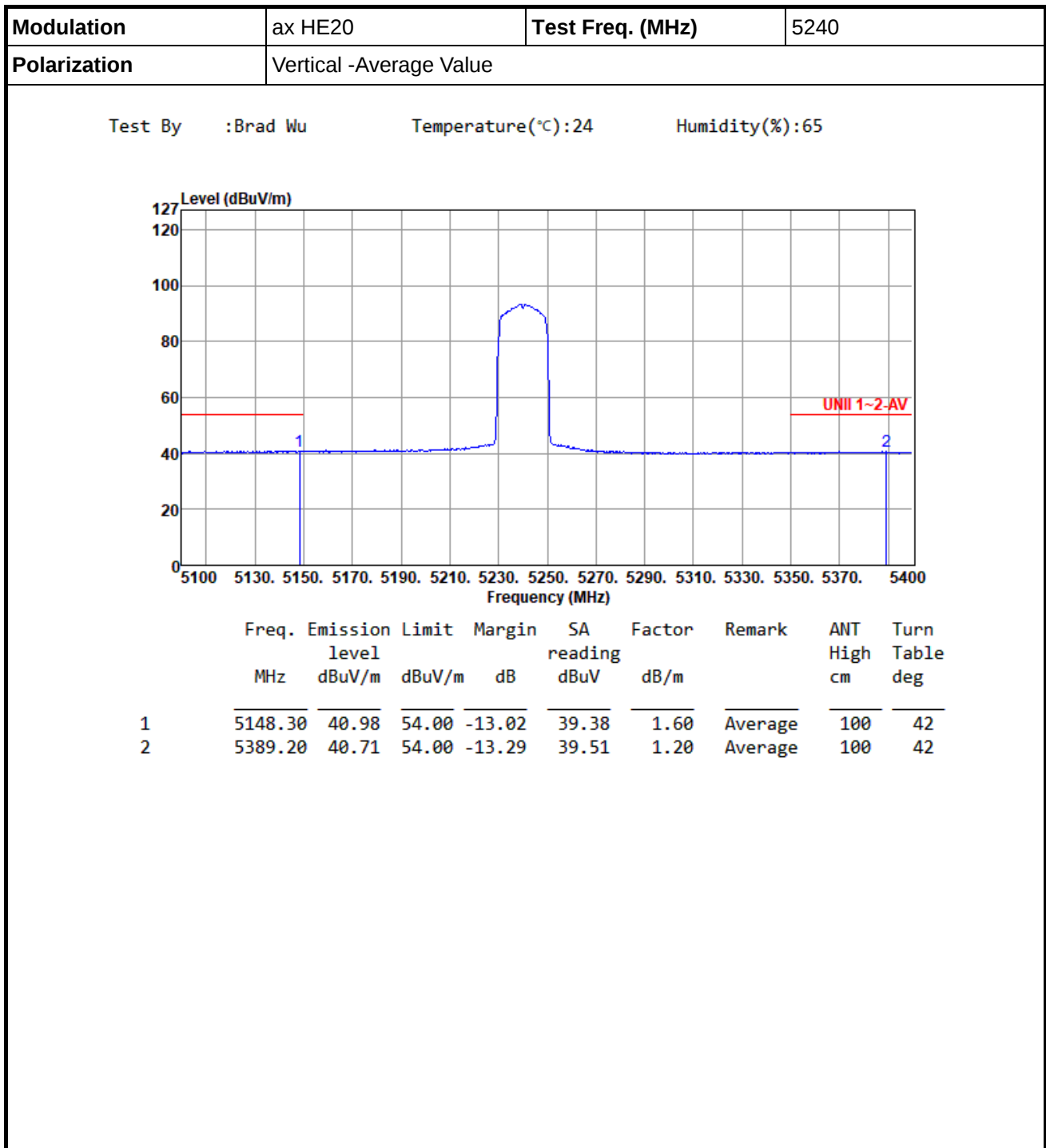
Appendix D

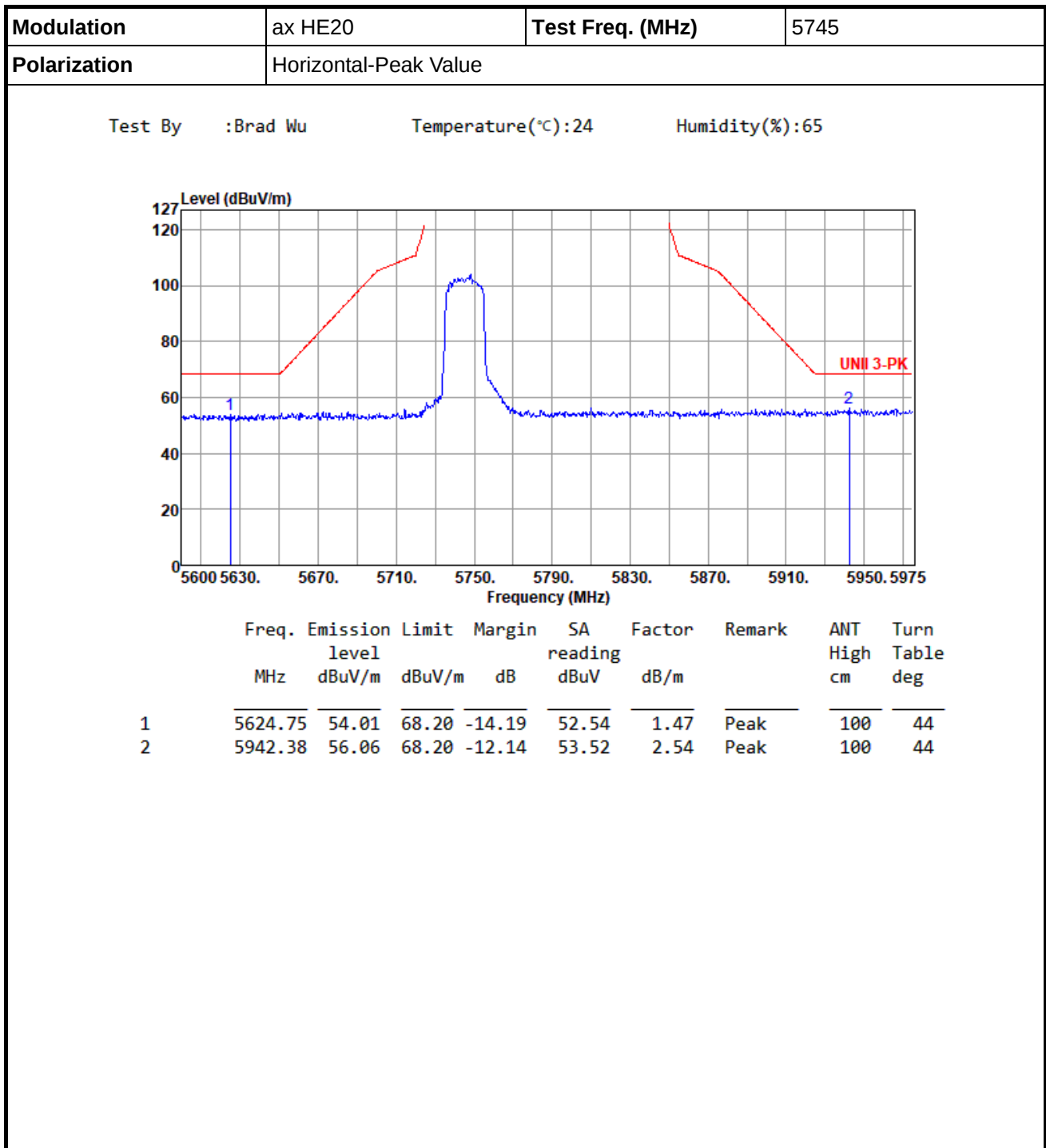


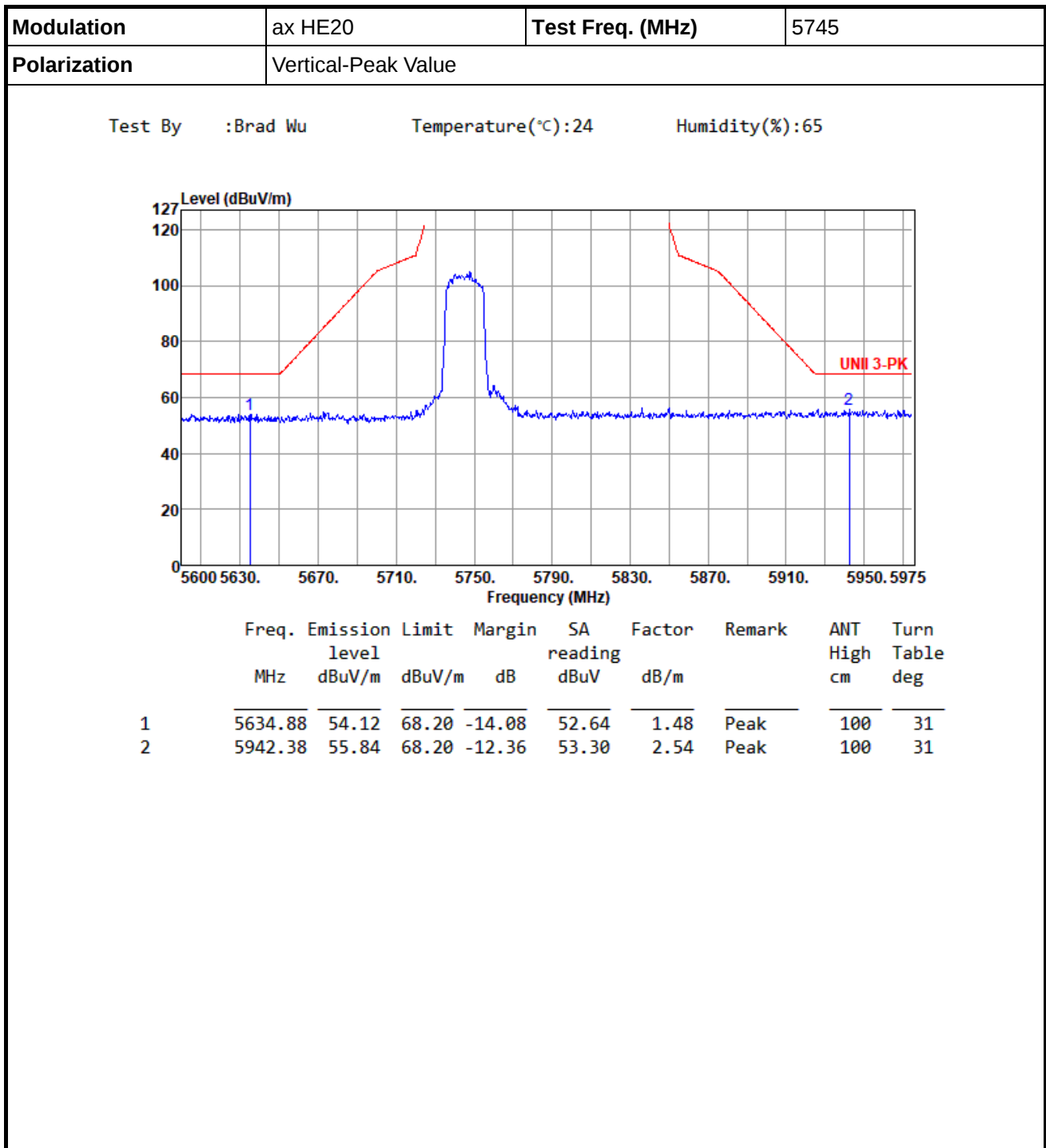


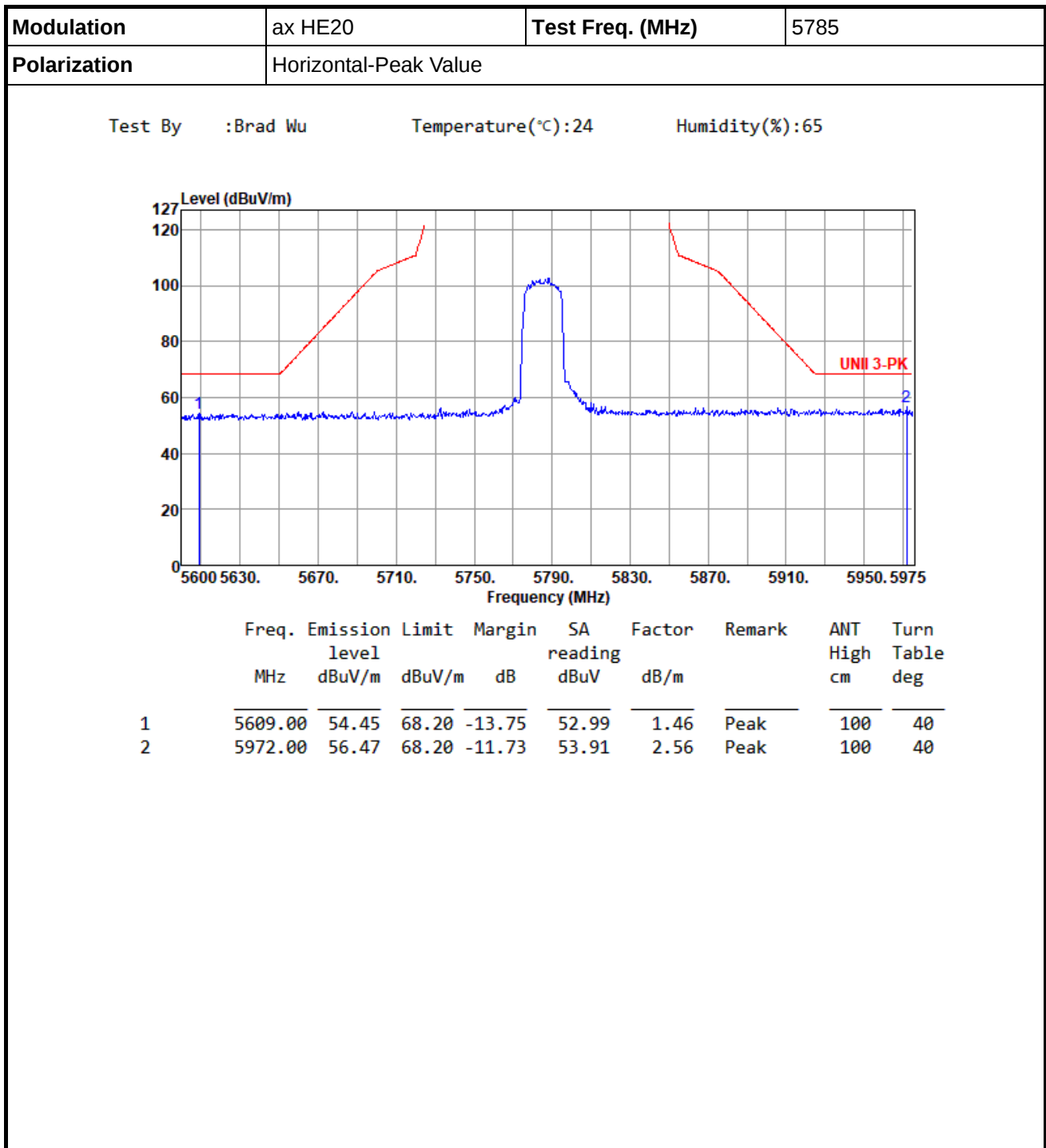


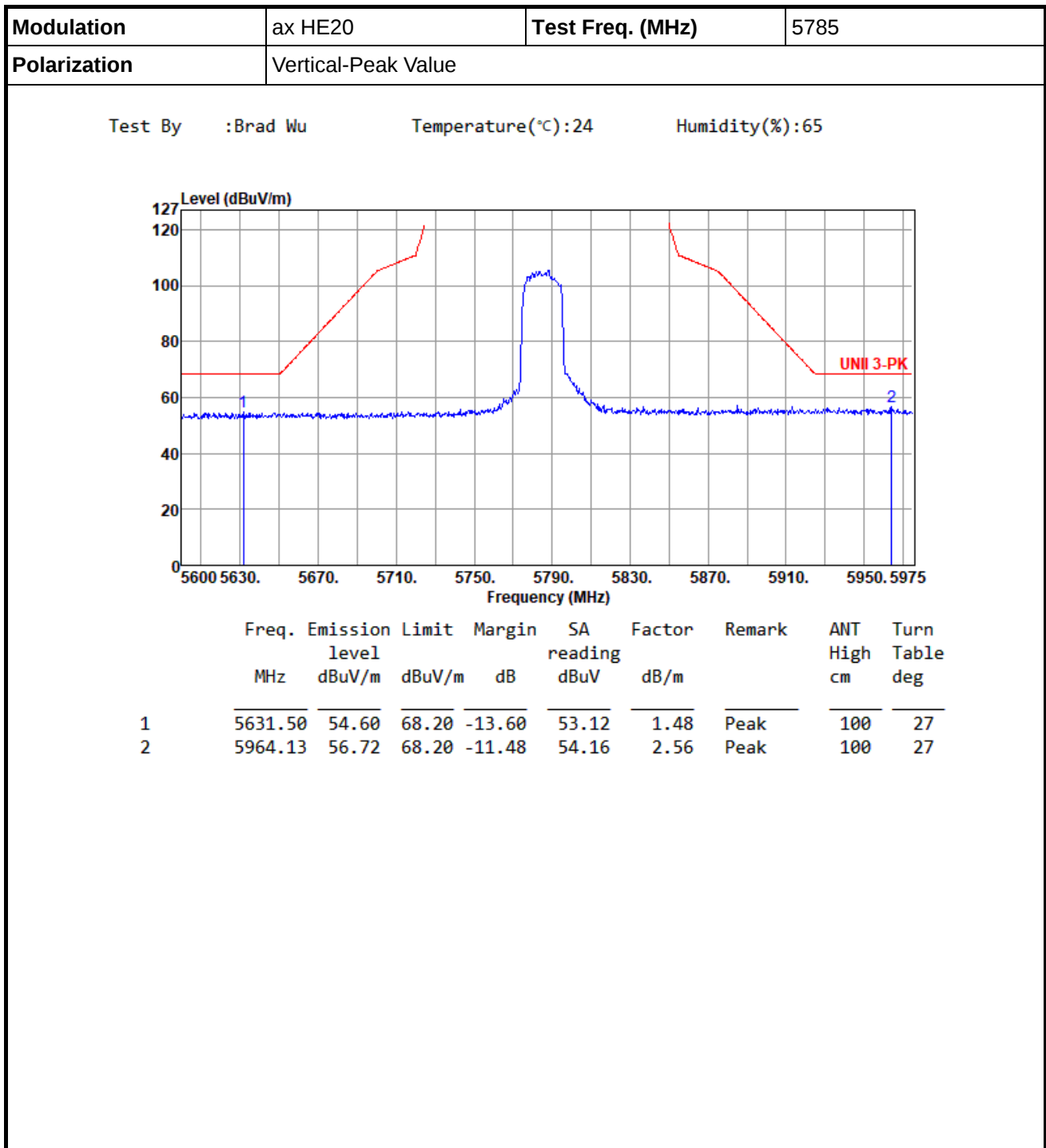


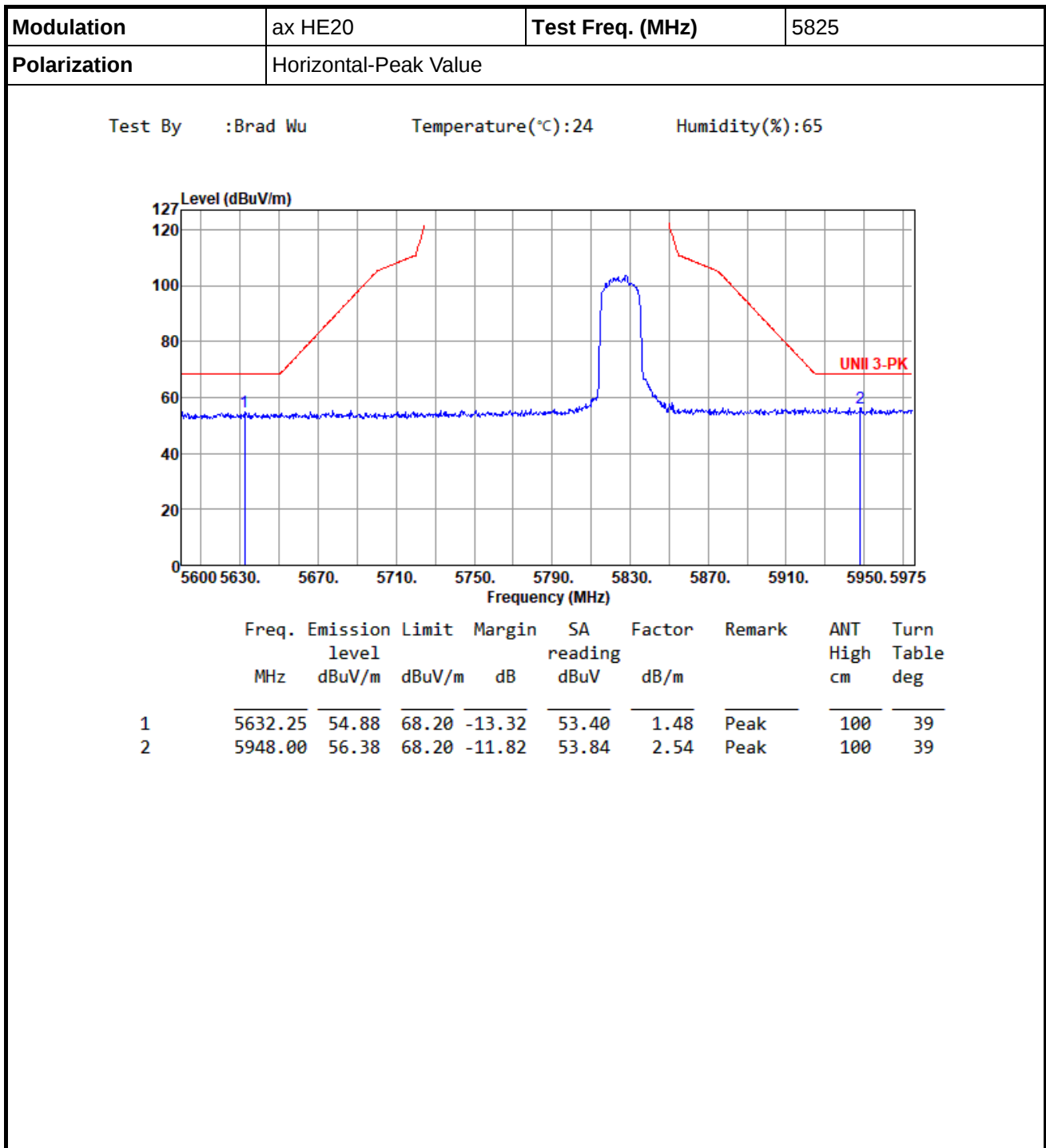


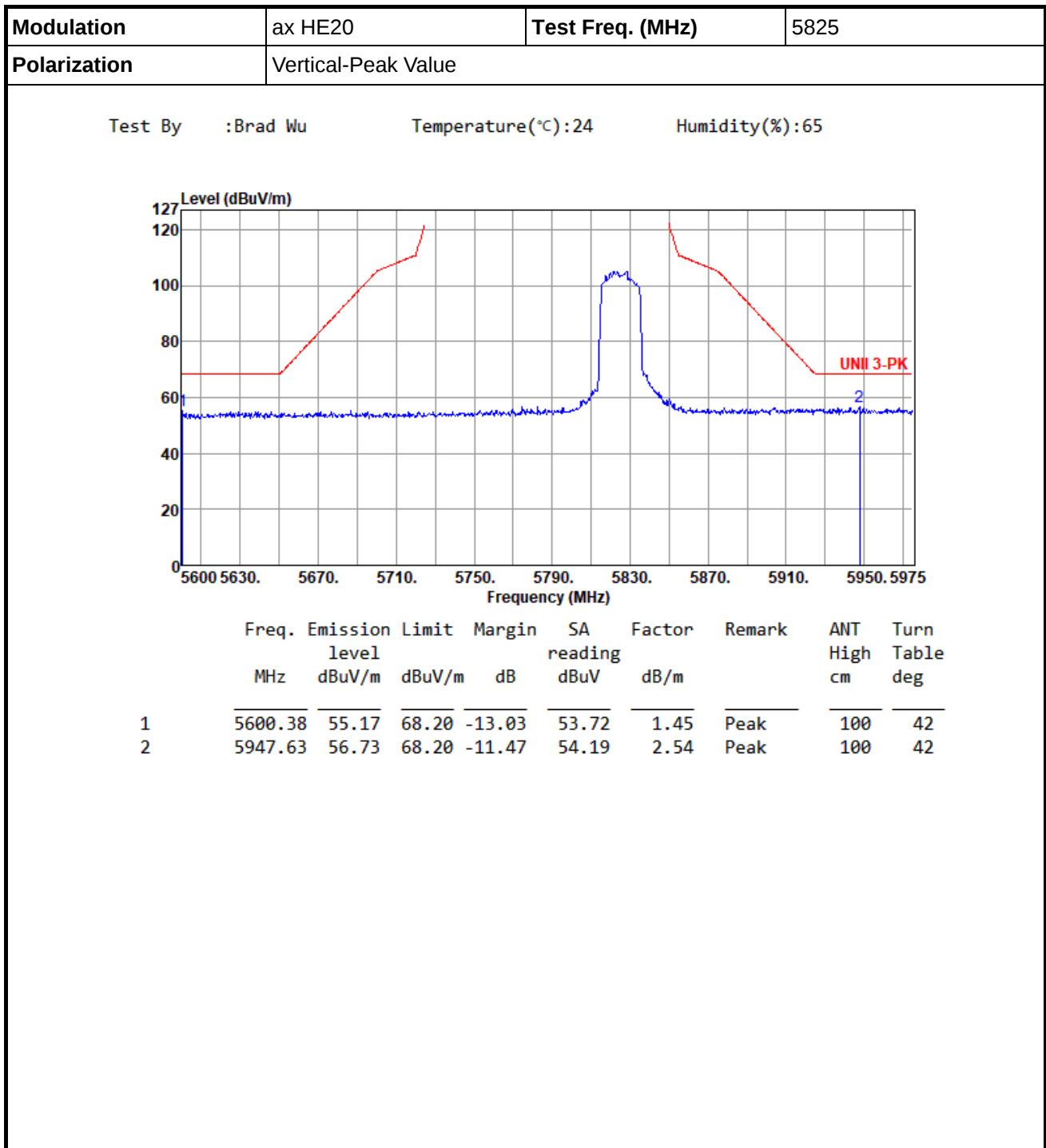






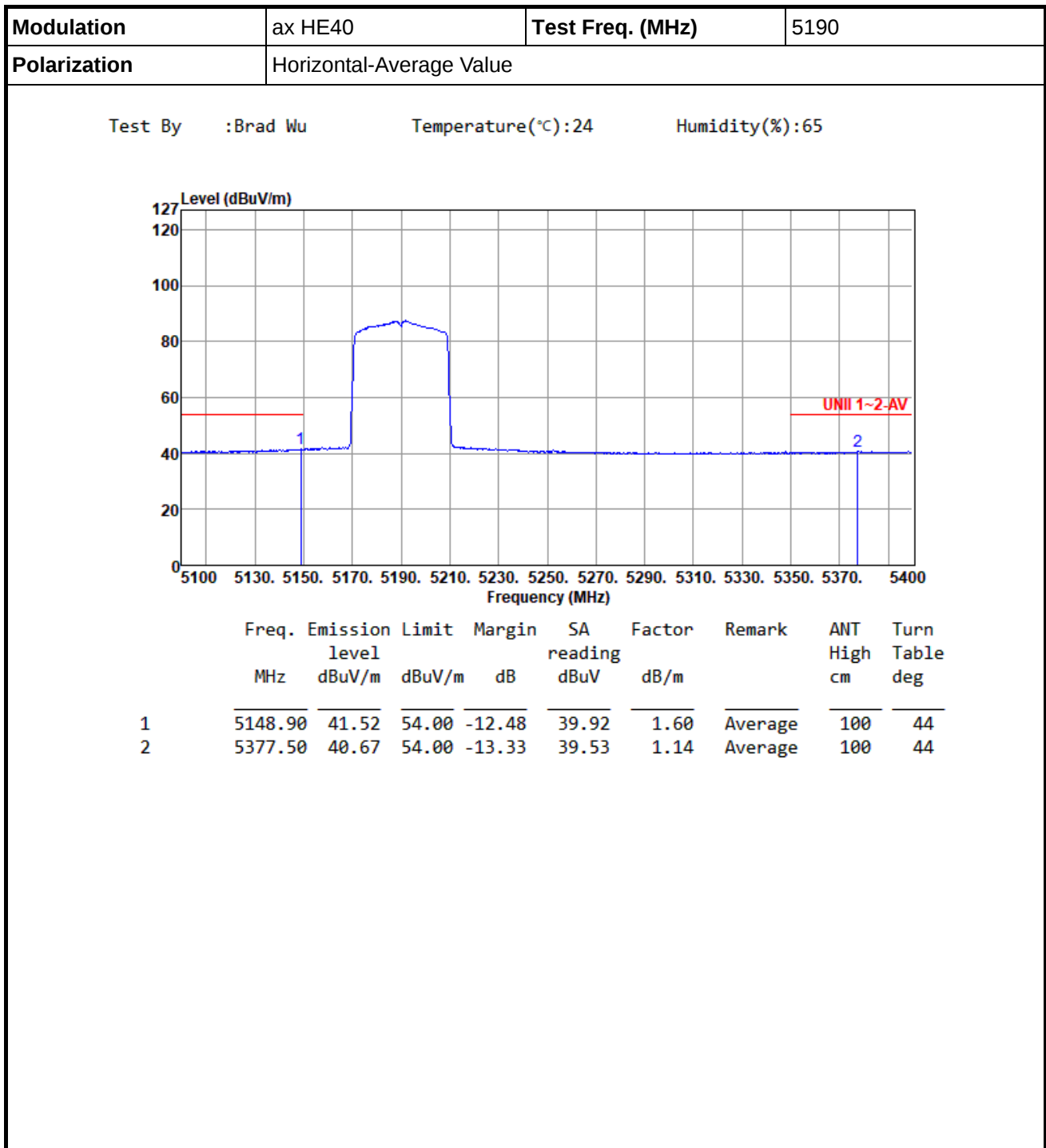


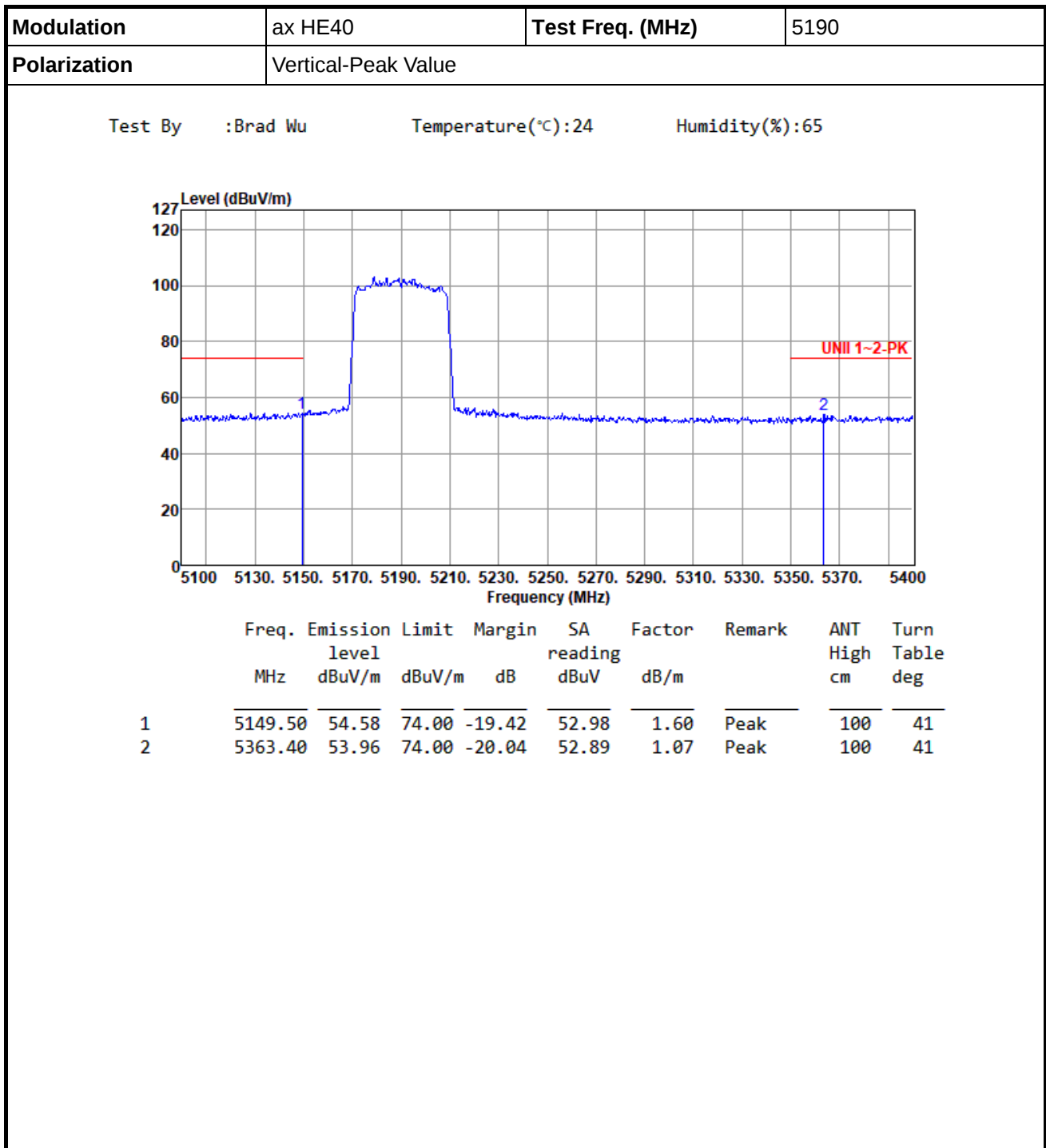






Modulation	ax HE40	Test Freq. (MHz)	5190
Polarization	Horizontal-Peak Value		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

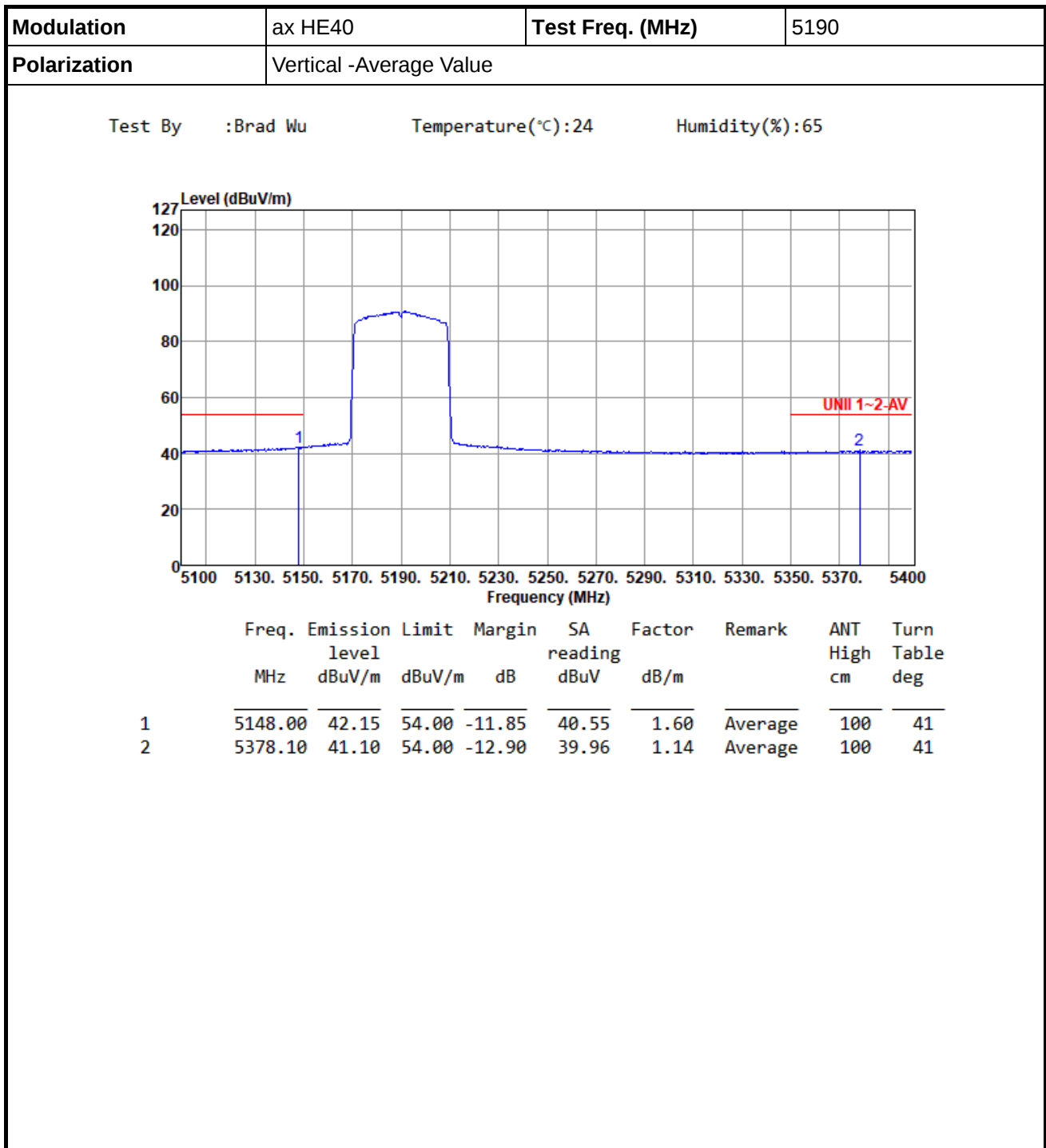


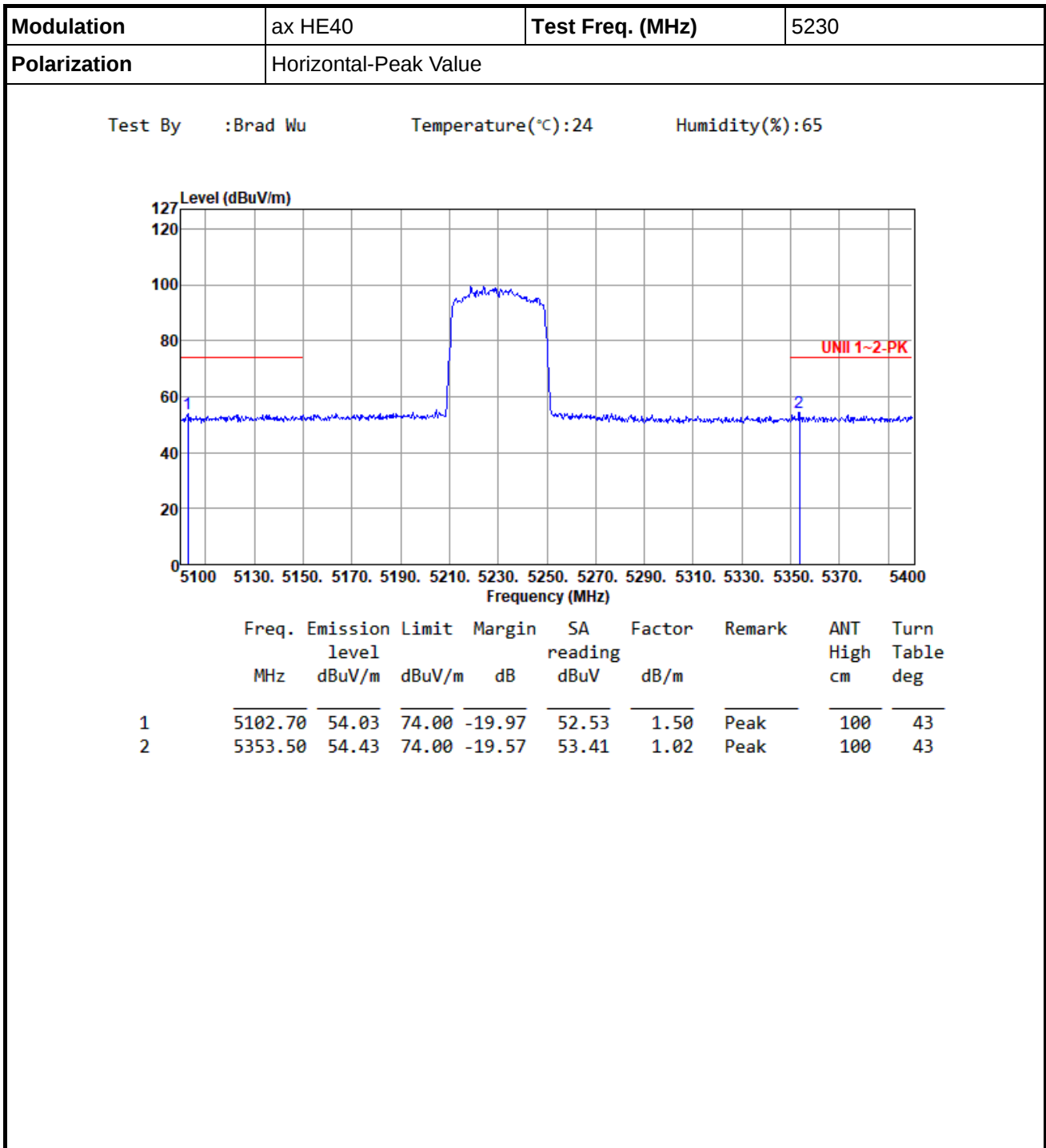


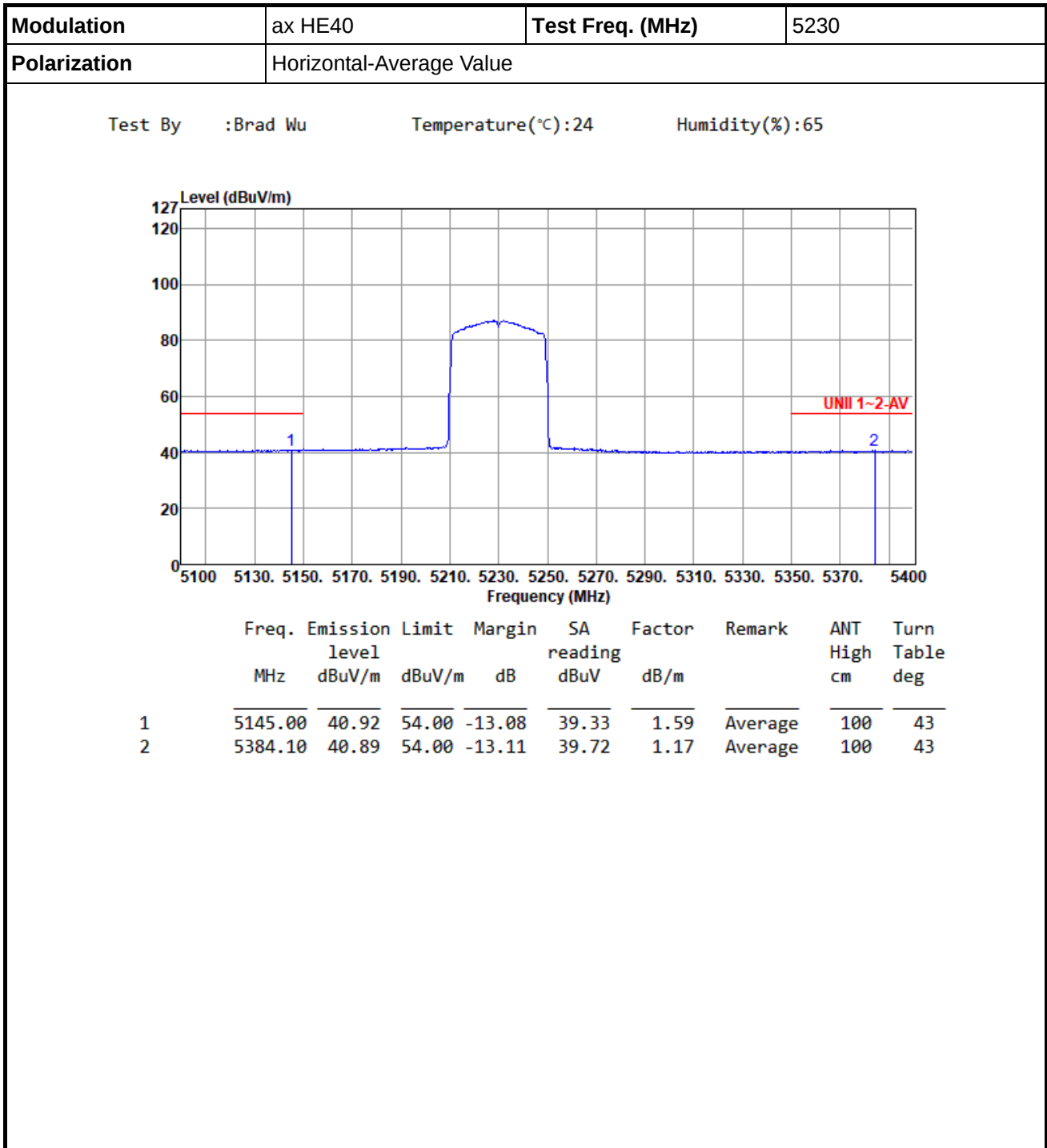


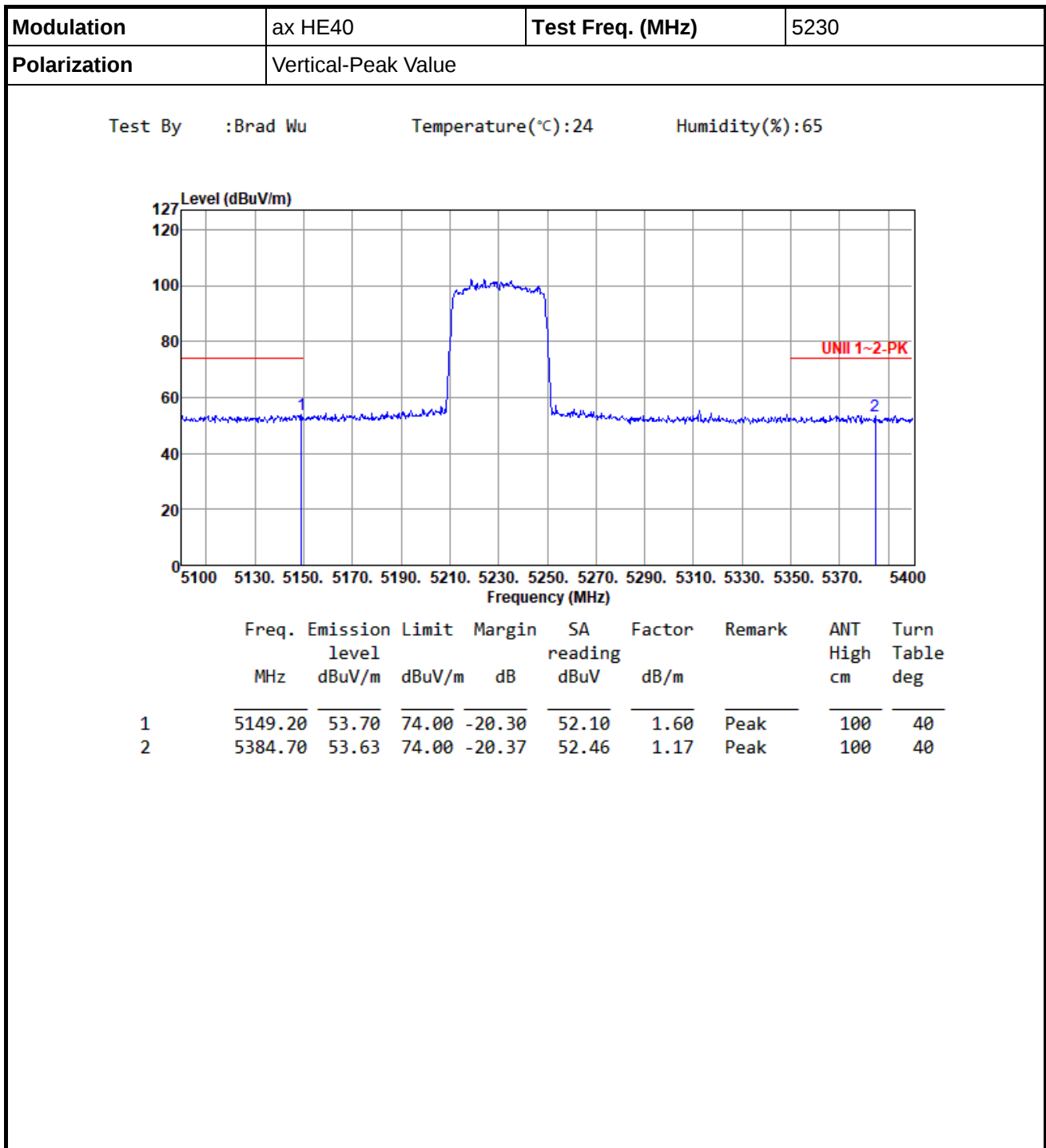
Band Edge measurement

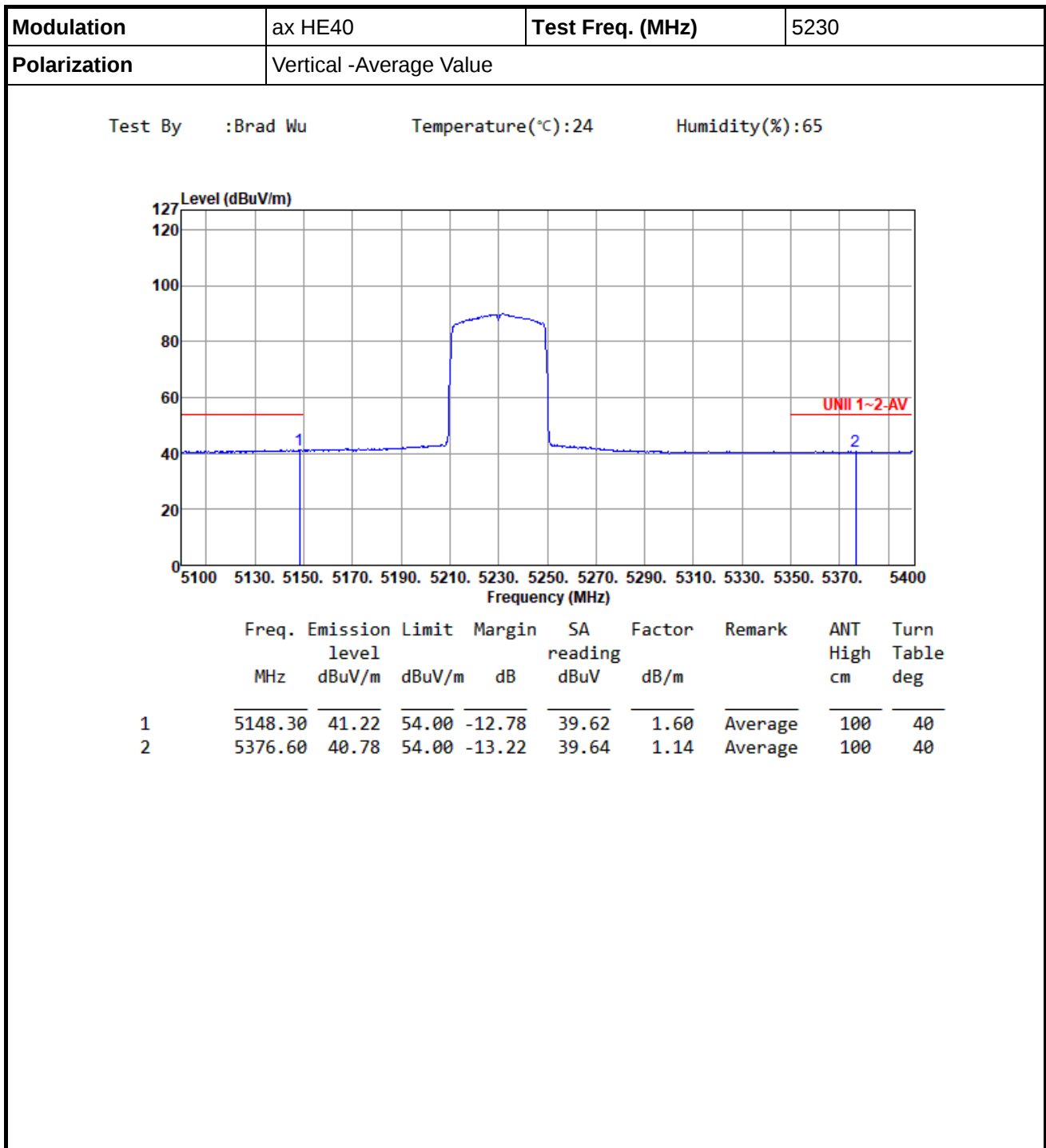
Appendix D

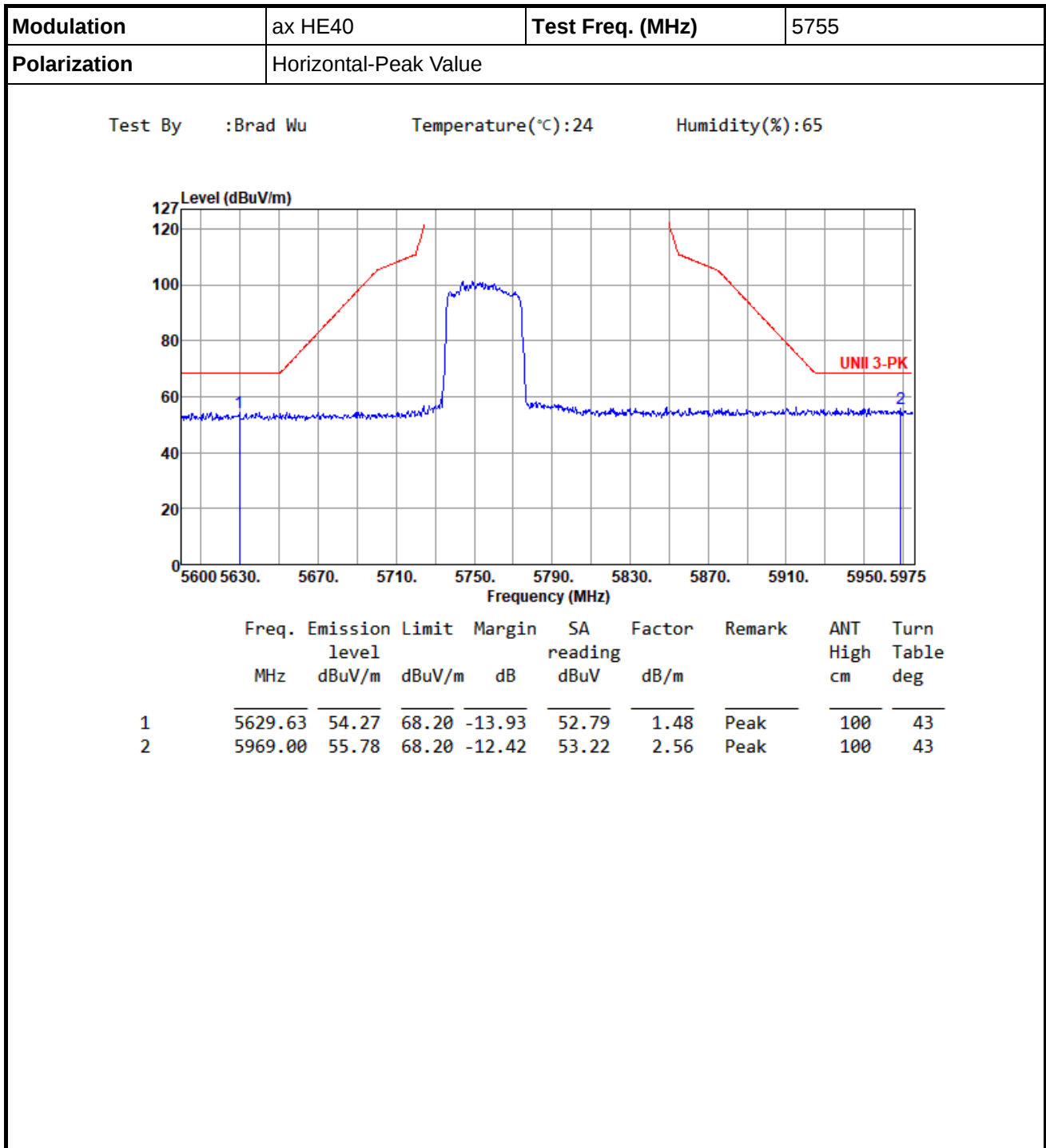


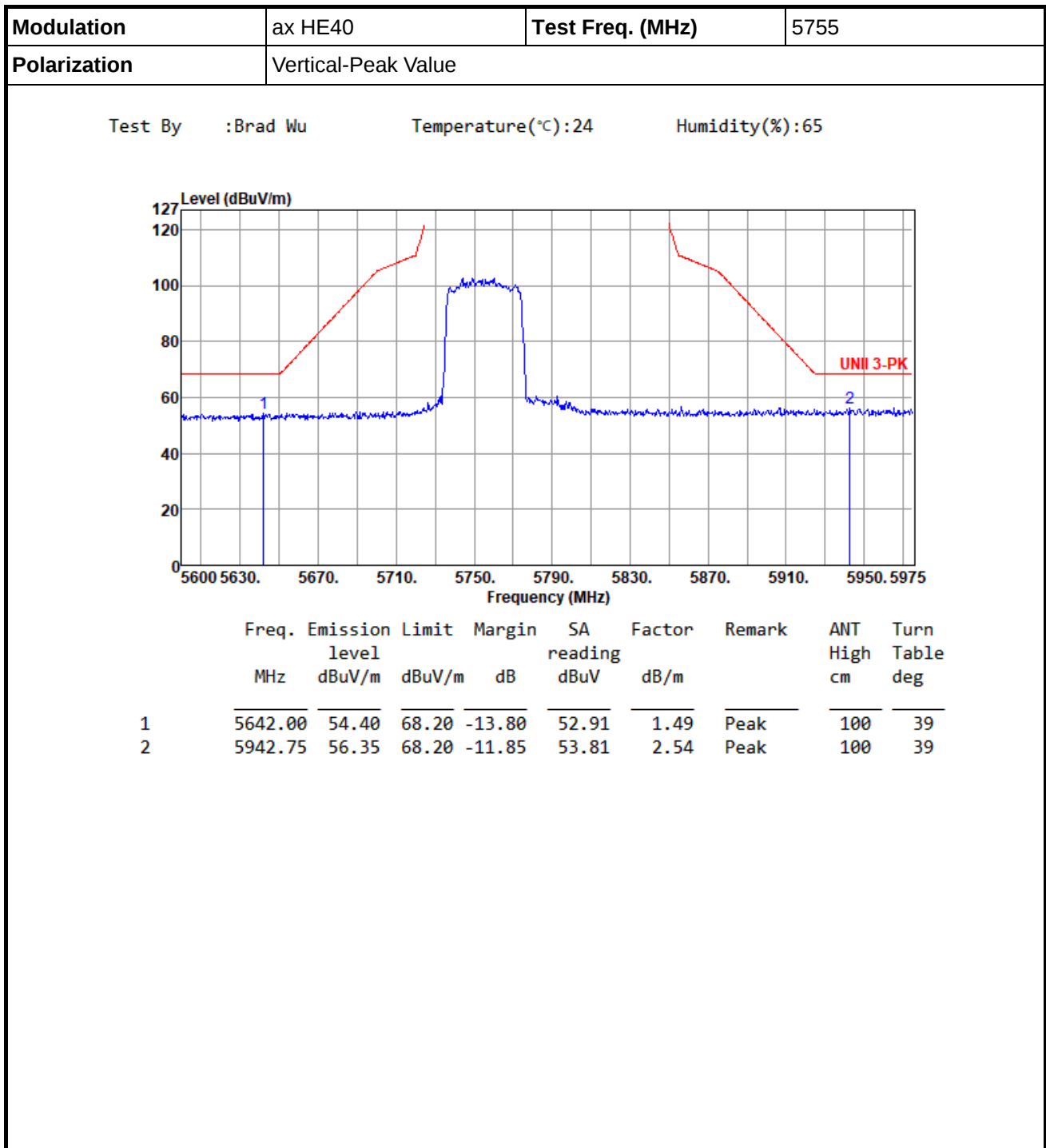


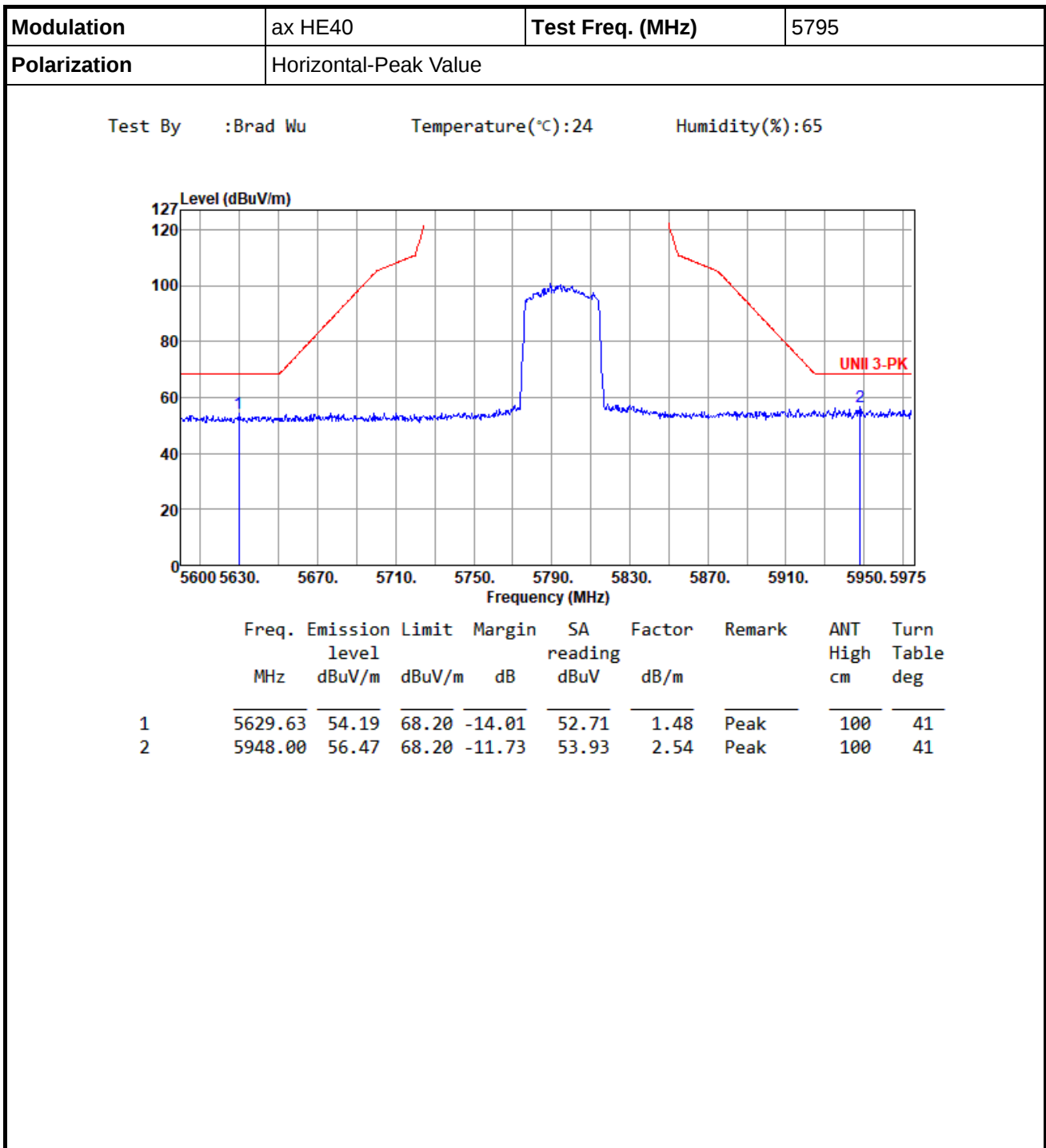


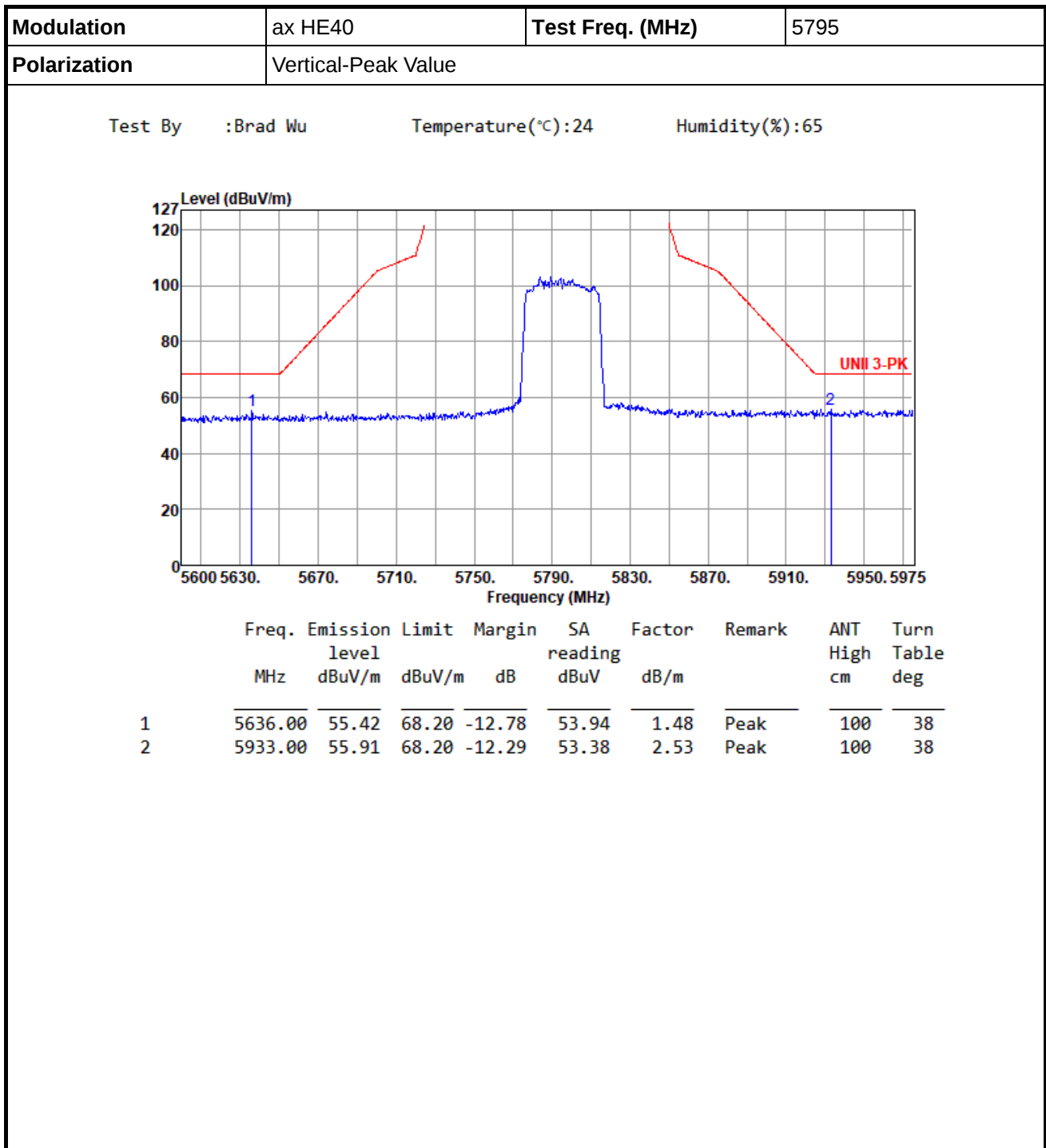


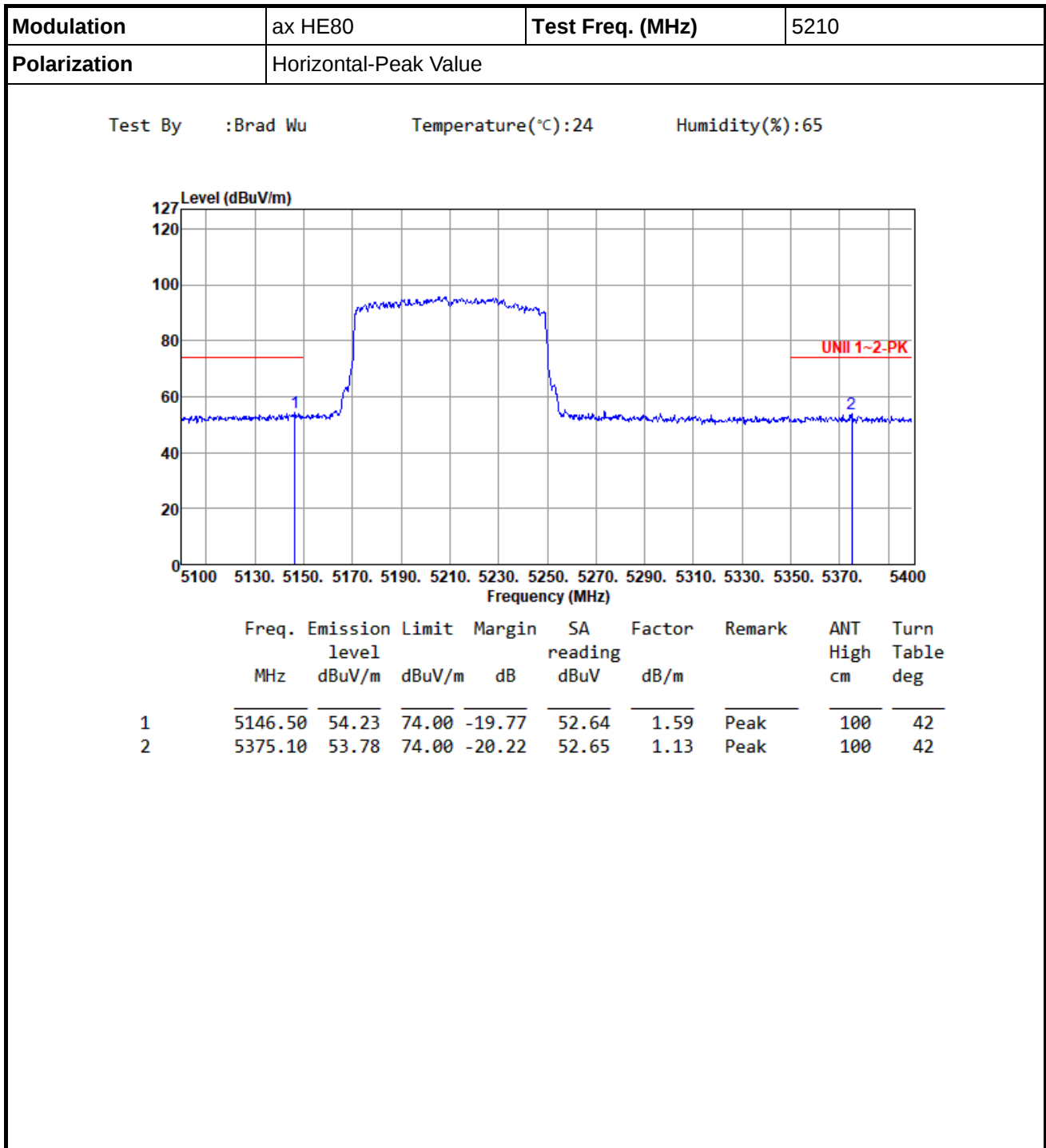


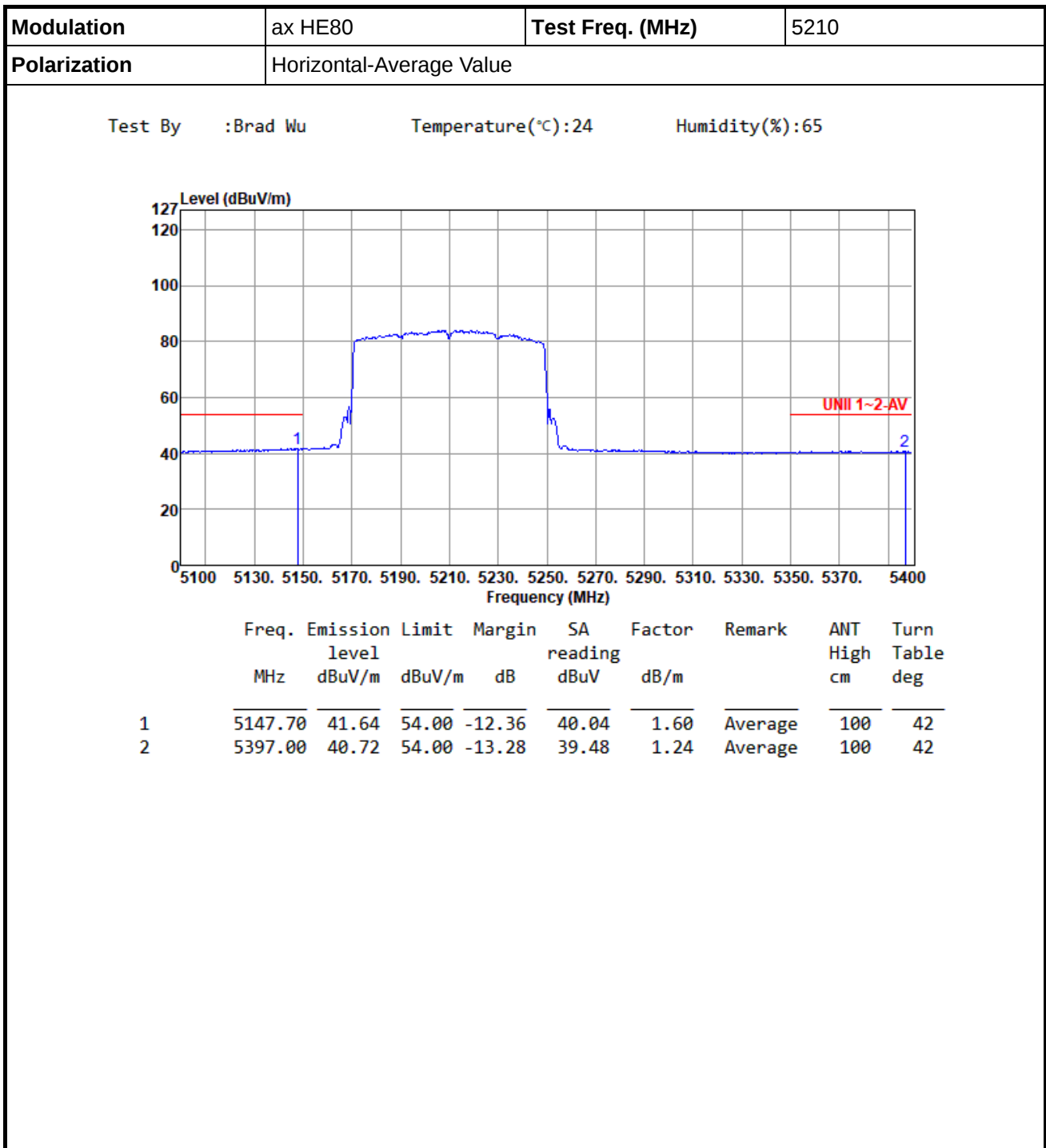


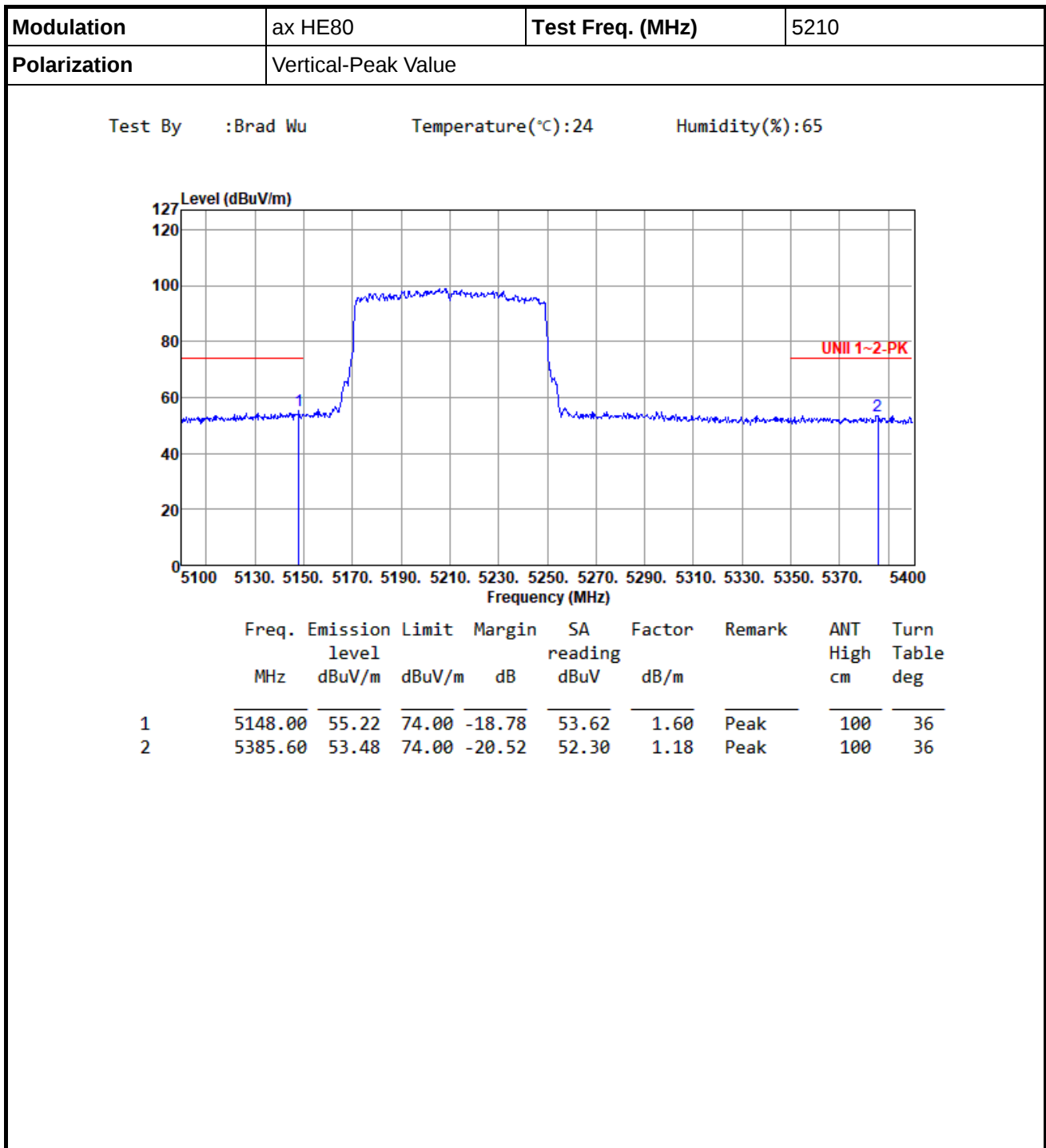


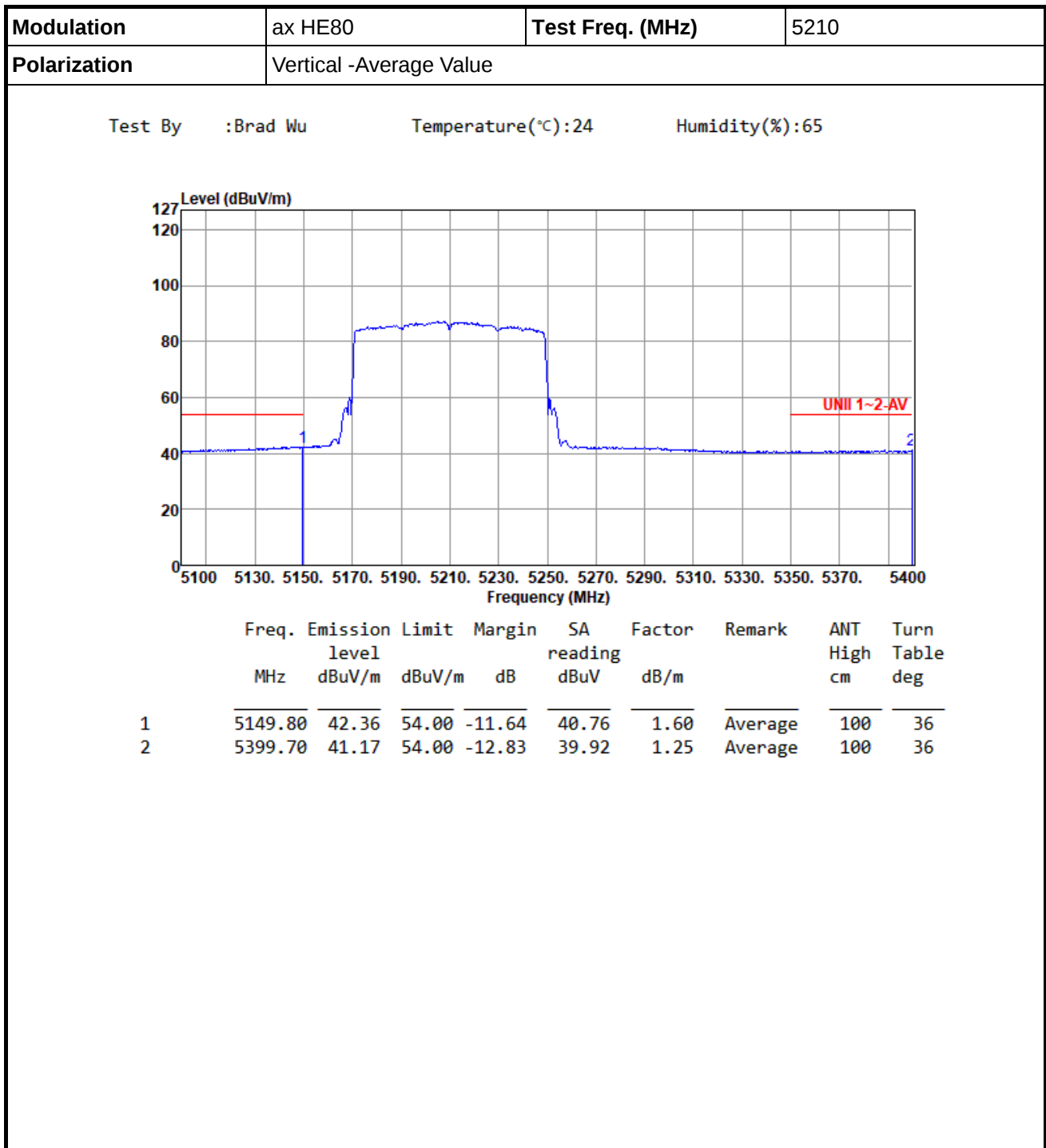


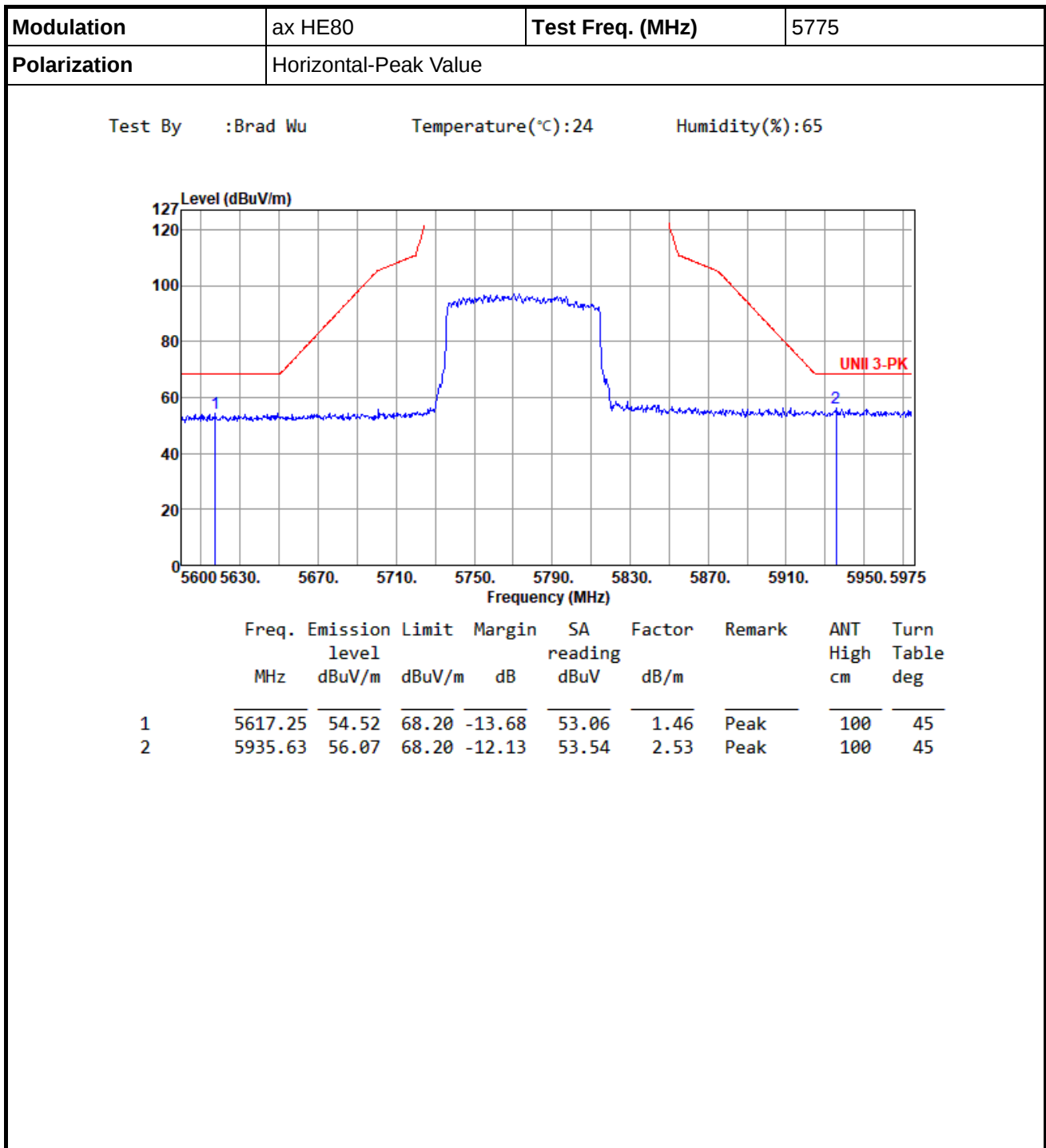


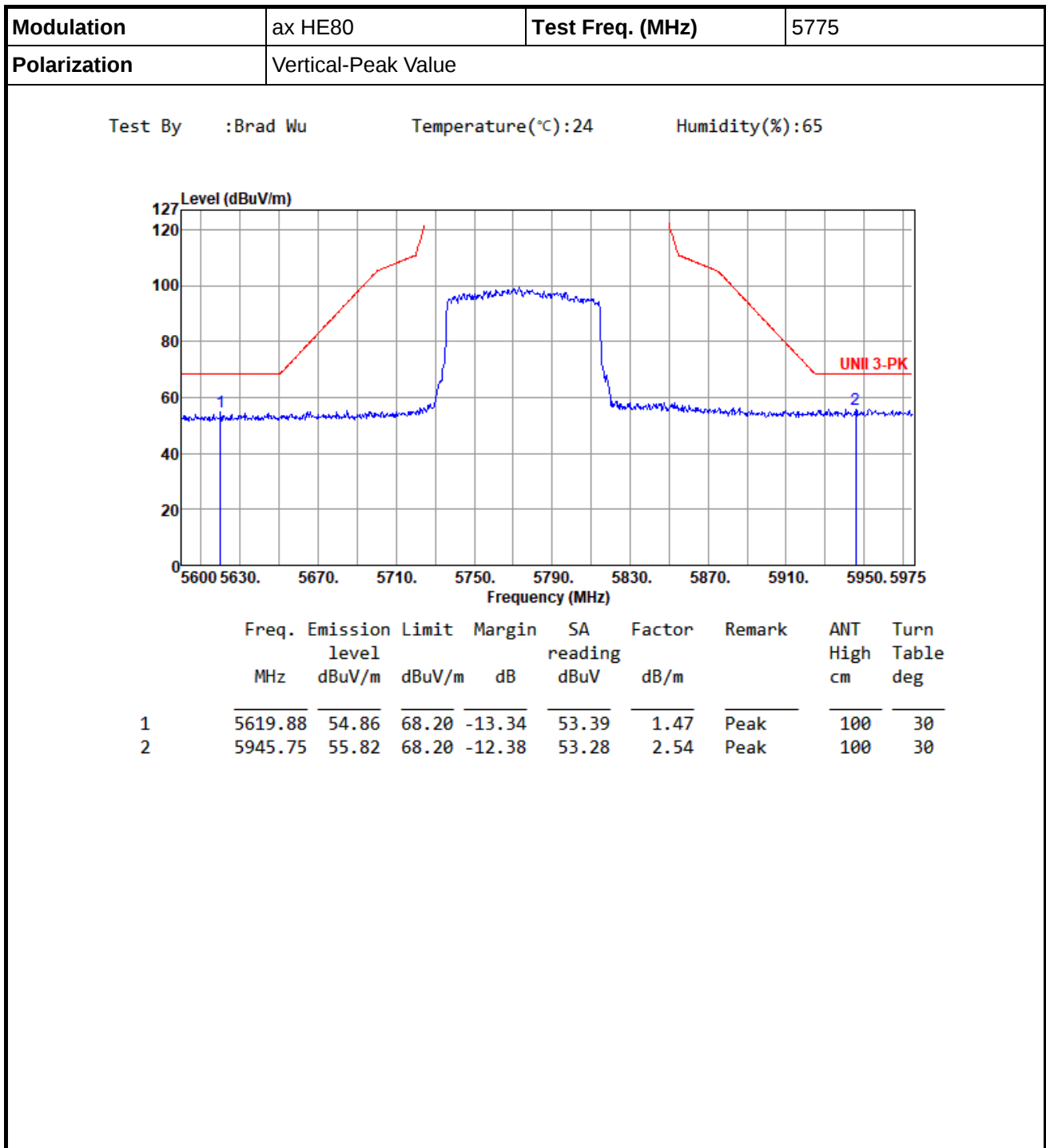












Configuration 1: AP Radio

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	1.73	2.26	2.02	1.64
T20°C Vmin	1.47	1.29	1.83	1.83
T40°C Vnom	-1.75	-1.70	-1.58	-1.04
T30°C Vnom	0.04	0.49	-0.08	0.68
T20°C Vnom	1.95	1.46	2.73	2.52
T10°C Vnom	4.20	4.75	4.63	4.64
T0°C Vnom	8.72	9.20	9.37	9.13
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 40		Tmin [°C]: 0	

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	1.71	1.00	1.98	1.26
T20°C Vmin	1.48	1.53	1.98	1.40
T40°C Vnom	-1.74	-1.66	-1.42	-1.14
T30°C Vnom	0.50	1.36	0.90	0.48
T20°C Vnom	1.84	2.60	2.50	2.09
T10°C Vnom	3.94	3.64	4.48	4.41
T0°C Vnom	8.20	8.30	8.40	8.40
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 40		Tmin [°C]: 0	

Configuration 2: MB Radio

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	-10.40	-10.12	-10.30	-10.40
T20°C Vmin	-10.38	-10.32	-9.80	-10.67
T40°C Vnom	0.27	0.34	0.48	0.27
T30°C Vnom	-3.96	-4.72	-4.14	-4.87
T20°C Vnom	-10.57	-11.50	-10.63	-11.36
T10°C Vnom	-4.60	-4.96	-5.38	-4.26
T0°C Vnom	2.99	3.08	2.87	3.18
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 40		Tmin [°C]: 0	

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	-8.91	-8.73	-8.78	-8.28
T20°C Vmin	-8.88	-9.19	-8.38	-8.46
T40°C Vnom	0.36	0.77	1.00	-0.07
T30°C Vnom	-3.58	-3.73	-3.22	-3.19
T20°C Vnom	-9.60	-9.24	-9.00	-9.47
T10°C Vnom	-3.75	-3.31	-3.57	-3.03
T0°C Vnom	3.20	3.80	3.21	3.70
Vnom [V]: 120	Vmax [V]: 138		Vmin [V]: 102	
Tnom [°C]: 20	Tmax [°C]: 40		Tmin [°C]: 0	



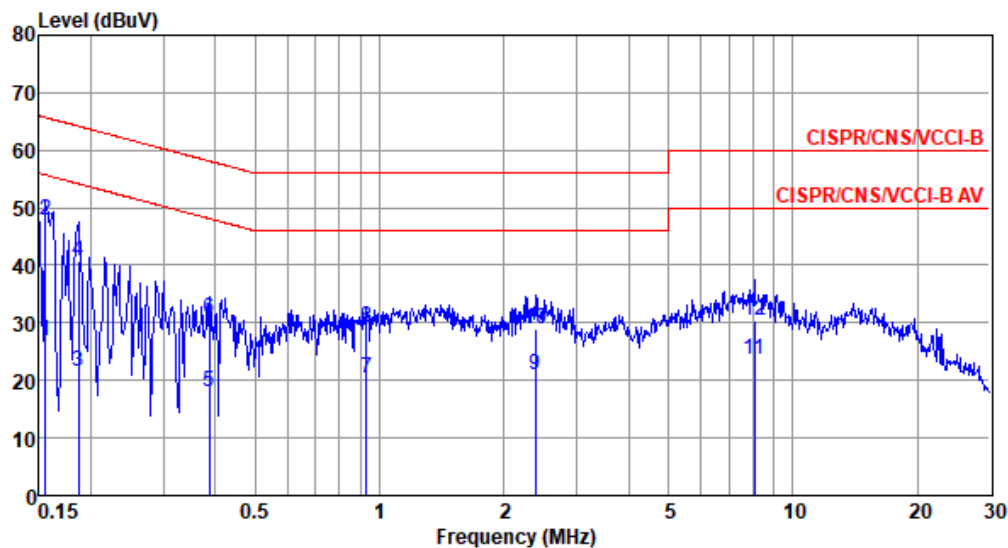
Configuration 1: AP Radio

Modulation Mode	ax HE40	Test Freq. (MHz)	5755
Power Phase	Line		

Test by : Joe Liao

Temperature: 23°C

Humidity: 65%



	Freq MHz	Level dBUV	Limit dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.156	26.90	55.69	-28.79	17.06	9.65	0.03	0.16	Average
2*	0.156	47.72	65.69	-17.97	37.88	9.65	0.03	0.16	QP
3	0.186	21.67	54.20	-32.53	11.83	9.64	0.04	0.16	Average
4	0.186	40.75	64.20	-23.45	30.91	9.64	0.04	0.16	QP
5	0.387	17.92	48.12	-30.20	8.02	9.64	0.04	0.22	Average
6	0.387	30.82	58.12	-27.30	20.92	9.64	0.04	0.22	QP
7	0.928	20.24	46.00	-25.76	10.24	9.65	0.06	0.29	Average
8	0.928	29.18	56.00	-26.82	19.18	9.65	0.06	0.29	QP
9	2.384	21.10	46.00	-24.90	10.89	9.66	0.11	0.44	Average
10	2.384	28.84	56.00	-27.16	18.63	9.66	0.11	0.44	QP
11	8.062	23.66	50.00	-26.34	13.14	9.71	0.21	0.60	Average
12	8.062	30.51	60.00	-29.49	19.99	9.71	0.21	0.60	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).

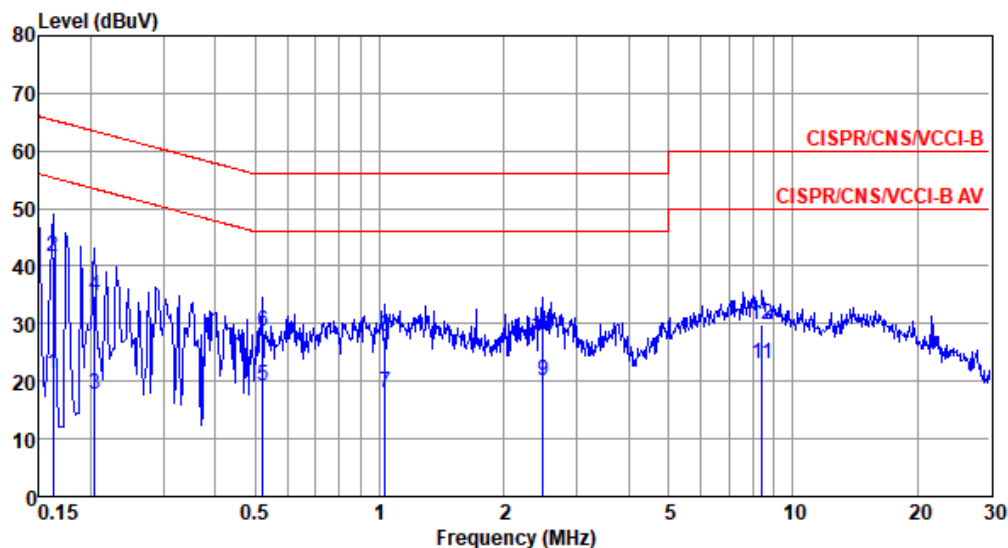


Modulation Mode	ax HE40	Test Freq. (MHz)	5755
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 23°C

Humidity: 65%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.162	21.14	55.34	-34.20	11.23	9.64	0.03	0.24	Average
2*	0.162	41.54	65.34	-23.80	31.63	9.64	0.03	0.24	QP
3	0.204	17.80	53.45	-35.65	7.82	9.64	0.04	0.30	Average
4	0.204	34.77	63.45	-28.68	24.79	9.64	0.04	0.30	QP
5	0.521	19.07	46.00	-26.93	9.01	9.63	0.05	0.38	Average
6	0.521	28.50	56.00	-27.50	18.44	9.63	0.05	0.38	QP
7	1.032	18.13	46.00	-27.87	7.99	9.64	0.06	0.44	Average
8	1.032	27.84	56.00	-28.16	17.70	9.64	0.06	0.44	QP
9	2.487	20.03	46.00	-25.97	9.76	9.65	0.11	0.51	Average
10	2.487	27.67	56.00	-28.33	17.40	9.65	0.11	0.51	QP
11	8.412	23.01	50.00	-26.99	12.49	9.71	0.21	0.60	Average
12	8.412	29.75	60.00	-30.25	19.23	9.71	0.21	0.60	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).



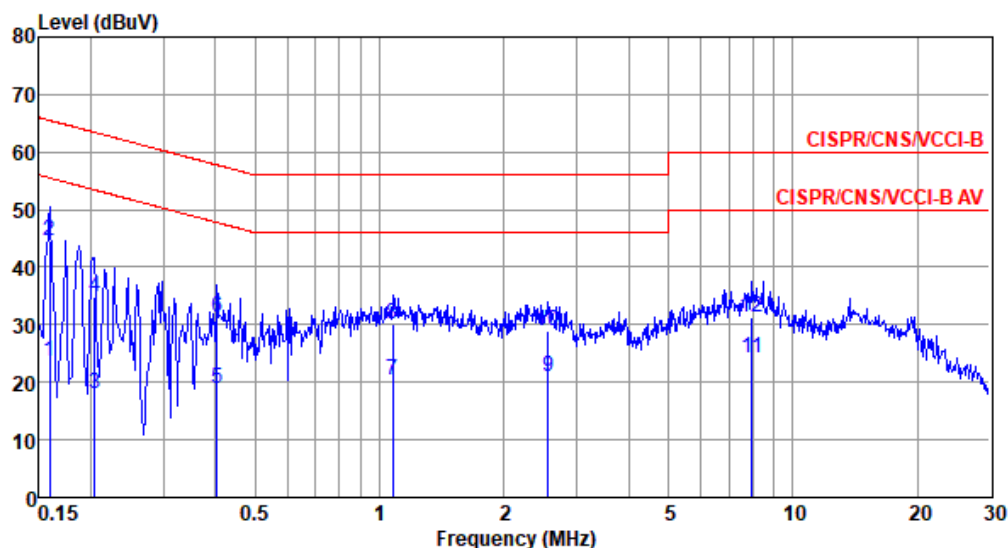
Configuration 2: MB Radio

Modulation Mode	11a	Test Freq. (MHz)	5825
Power Phase	Line		

Test by : Joe Liao

Temperature: 23°C

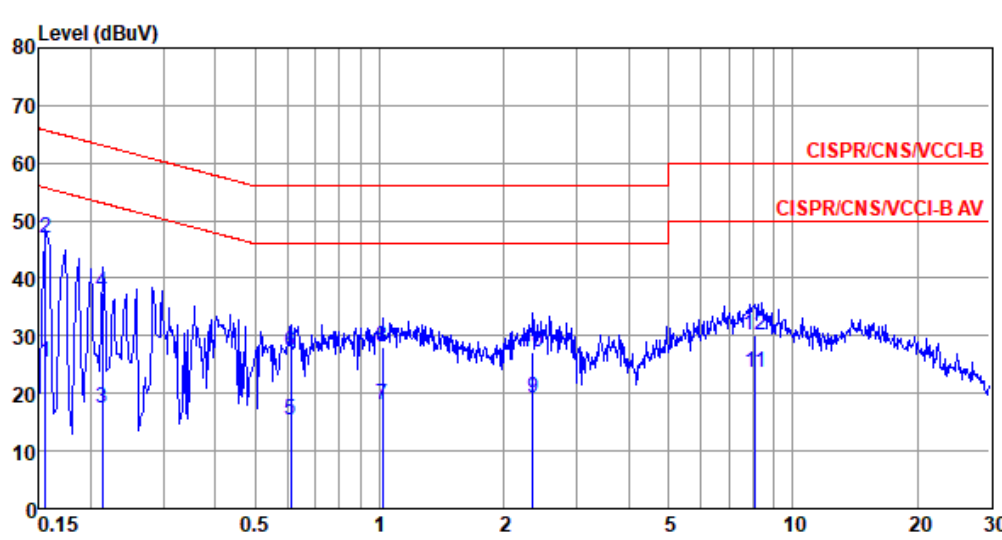
Humidity: 65%



	Freq	Level	Limit	Over	Read	Factor	Cable	Aux	
	MHz	dBuV	Line	Limit	Level		loss		Remark
			dBuV	dB	dBuV	dB	dB	dB	
1	0.159	23.48	55.52	-32.04	13.64	9.65	0.03	0.16	Average
2*	0.159	44.63	65.52	-20.89	34.79	9.65	0.03	0.16	QP
3	0.204	17.99	53.45	-35.46	8.15	9.64	0.04	0.16	Average
4	0.204	34.71	63.45	-28.74	24.87	9.64	0.04	0.16	QP
5	0.404	18.84	47.77	-28.93	8.94	9.64	0.04	0.22	Average
6	0.404	31.24	57.77	-26.53	21.34	9.64	0.04	0.22	QP
7	1.077	20.40	46.00	-25.60	10.38	9.65	0.06	0.31	Average
8	1.077	30.02	56.00	-25.98	20.00	9.65	0.06	0.31	QP
9	2.554	20.85	46.00	-25.15	10.63	9.66	0.11	0.45	Average
10	2.554	28.85	56.00	-27.15	18.63	9.66	0.11	0.45	QP
11	7.977	24.14	50.00	-25.86	13.62	9.71	0.21	0.60	Average
12	7.977	31.34	60.00	-28.66	20.82	9.71	0.21	0.60	QP

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

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

Modulation Mode	11a	Test Freq. (MHz)	5825																																																																																																																																		
Power Phase	Neutral																																																																																																																																				
Test by : Joe Liao Temperature: 23°C Humidity: 65%																																																																																																																																					
 <table><tr><th></th><th>Freq MHz</th><th>Level dBUV</th><th>Limit Line dBUV</th><th>Over Limit dB</th><th>Read Level dBUV</th><th>Factor dB</th><th>Cable loss dB</th><th>Aux dB</th><th>Remark</th></tr><tr><td>1</td><td>0.156</td><td>25.43</td><td>55.69</td><td>-30.26</td><td>15.53</td><td>9.64</td><td>0.03</td><td>0.23</td><td>Average</td></tr><tr><td>2*</td><td>0.156</td><td>46.96</td><td>65.69</td><td>-18.73</td><td>37.06</td><td>9.64</td><td>0.03</td><td>0.23</td><td>QP</td></tr><tr><td>3</td><td>0.213</td><td>17.53</td><td>53.10</td><td>-35.57</td><td>7.55</td><td>9.64</td><td>0.04</td><td>0.30</td><td>Average</td></tr><tr><td>4</td><td>0.213</td><td>37.43</td><td>63.10</td><td>-25.67</td><td>27.45</td><td>9.64</td><td>0.04</td><td>0.30</td><td>QP</td></tr><tr><td>5</td><td>0.611</td><td>15.23</td><td>46.00</td><td>-30.77</td><td>5.16</td><td>9.63</td><td>0.05</td><td>0.39</td><td>Average</td></tr><tr><td>6</td><td>0.611</td><td>27.28</td><td>56.00</td><td>-28.72</td><td>17.21</td><td>9.63</td><td>0.05</td><td>0.39</td><td>QP</td></tr><tr><td>7</td><td>1.016</td><td>18.15</td><td>46.00</td><td>-27.85</td><td>8.01</td><td>9.64</td><td>0.06</td><td>0.44</td><td>Average</td></tr><tr><td>8</td><td>1.016</td><td>27.95</td><td>56.00</td><td>-28.05</td><td>17.81</td><td>9.64</td><td>0.06</td><td>0.44</td><td>QP</td></tr><tr><td>9</td><td>2.346</td><td>19.18</td><td>46.00</td><td>-26.82</td><td>8.92</td><td>9.65</td><td>0.10</td><td>0.51</td><td>Average</td></tr><tr><td>10</td><td>2.346</td><td>27.25</td><td>56.00</td><td>-28.75</td><td>16.99</td><td>9.65</td><td>0.10</td><td>0.51</td><td>QP</td></tr><tr><td>11</td><td>8.105</td><td>23.48</td><td>50.00</td><td>-26.52</td><td>12.96</td><td>9.71</td><td>0.21</td><td>0.60</td><td>Average</td></tr><tr><td>12</td><td>8.105</td><td>30.14</td><td>60.00</td><td>-29.86</td><td>19.62</td><td>9.71</td><td>0.21</td><td>0.60</td><td>QP</td></tr></table>					Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.156	25.43	55.69	-30.26	15.53	9.64	0.03	0.23	Average	2*	0.156	46.96	65.69	-18.73	37.06	9.64	0.03	0.23	QP	3	0.213	17.53	53.10	-35.57	7.55	9.64	0.04	0.30	Average	4	0.213	37.43	63.10	-25.67	27.45	9.64	0.04	0.30	QP	5	0.611	15.23	46.00	-30.77	5.16	9.63	0.05	0.39	Average	6	0.611	27.28	56.00	-28.72	17.21	9.63	0.05	0.39	QP	7	1.016	18.15	46.00	-27.85	8.01	9.64	0.06	0.44	Average	8	1.016	27.95	56.00	-28.05	17.81	9.64	0.06	0.44	QP	9	2.346	19.18	46.00	-26.82	8.92	9.65	0.10	0.51	Average	10	2.346	27.25	56.00	-28.75	16.99	9.65	0.10	0.51	QP	11	8.105	23.48	50.00	-26.52	12.96	9.71	0.21	0.60	Average	12	8.105	30.14	60.00	-29.86	19.62	9.71	0.21	0.60	QP
	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
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11	8.105	23.48	50.00	-26.52	12.96	9.71	0.21	0.60	Average																																																																																																																												
12	8.105	30.14	60.00	-29.86	19.62	9.71	0.21	0.60	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).																																																																																																																																					