

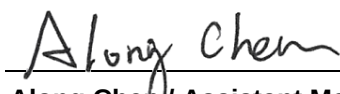
FCC Test Report

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 15.247
Received Date : Sep. 08, 2025
Tested Date : Oct. 16 ~ Nov. 07, 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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Appendix A. 6dB and Occupied Bandwidth

Appendix B. Conducted Output Power

Appendix C. Power Spectral Density

Appendix D. Unwanted Emissions into Restricted Frequency Bands

Appendix E. Emissions in Non-Restricted Frequency Bands

Appendix F. AC Power Line Conducted Emissions

Release Record

Report No.	Version	Description	Issued Date
FR590801AC	Rev. 01	Initial issue	Dec. 03, 2025
FR590801AC	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 Emission	[dBuV]: 0.150MHz 50.78 (Margin -15.22dB) - QP	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 7311.00MHz 52.99(Margin -1.01dB) - AV 2390.00MHz 52.99(Margin -1.01dB) – AV	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 29.21	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	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)

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
2400-2483.5	b	2412-2462	1-11 [11]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15
2400-2483.5	ax (HE20)	2412-2462	1-11 [11]	2	MCS 0-11
2400-2483.5	ax (HE40)	2422-2452	3-9 [7]	2	MCS 0-11
Note 1: RF output power specifies that Maximum Peak Conducted Output Power.					
Note 2: DSSS-DBPSK, DQPSK, CCK modulation					
OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation.					

1.1.3 Antenna Details

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.

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

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

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20 / ax HE20		802.11n HT40 / ax HE40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	---	---
9	2452	---	---
10	2457	---	---
11	2462	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	QATool_Dbg, Version: 0.0.2.78		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	99.47%	0.02
	11g	98.21%	0.08
	ax HE20	97.32%	0.12
	ax HE40	95.15%	0.22

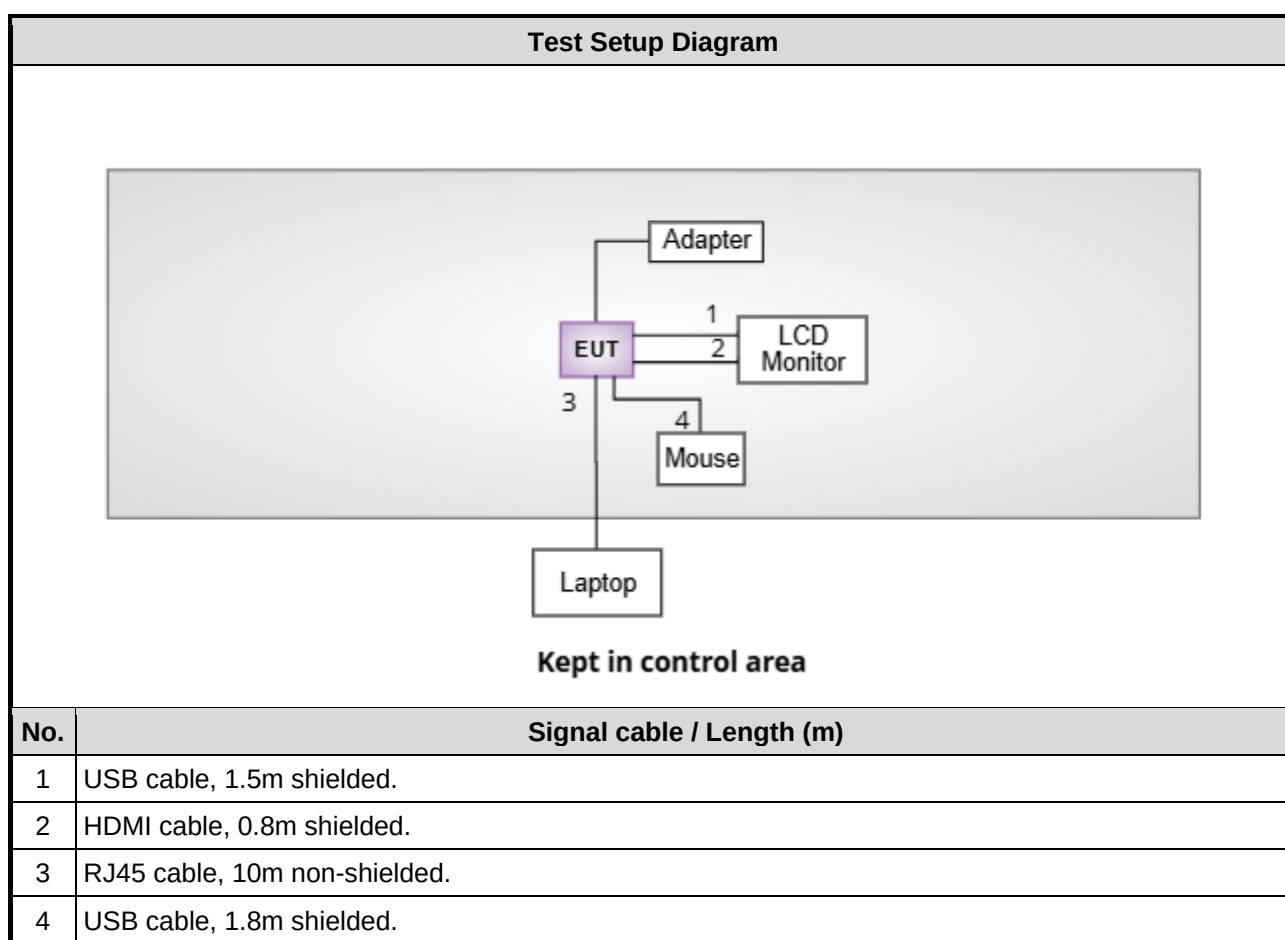
1.1.8 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	16
11b	2437	14.5
11b	2462	14.5
11g	2412	14.5
11g	2417	16
11g	2422	16.5
11g	2427	17.5
11g	2437	17.5
11g	2447	17.5
11g	2452	17
11g	2457	16.5
11g	2462	16
ax HE20	2412	13.5
ax HE20	2417	15.5
ax HE20	2422	16.5
ax HE20	2427	17
ax HE20	2437	17
ax HE20	2447	17
ax HE20	2452	16.5
ax HE20	2457	16
ax HE20	2462	15.5
ax HE40	2422	11.5
ax HE40	2427	12.5
ax HE40	2437	12.5
ax HE40	2447	12.5
ax HE40	2452	11.5

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. 07, 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
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15247_DTS	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 3.1-18G	WHK	WHK3.1/18G-10SS	39	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 15.247

ANSI C63.10-2020

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

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output 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
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	± 4.90 dB

2 Test Configuration

2.1 Testing Facility

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

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

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emission	11g	2437	6 Mbps	---
Unwanted Emissions ≤ 1GHz	11g	2437	6 Mbps	---
Unwanted Emissions >1GHz	11b	2412 / 2437 / 2462	1 Mbps	---
6dB bandwidth	11g	2412 / 2437 / 2462	6 Mbps	
Power spectral density	ax HE20	2412 / 2437 / 2462	MCS 0	
	ax HE40	2422 / 2437 / 2452	MCS 0	
Conducted Output Power	11b	2412 / 2437 / 2462	1 Mbps	---
	11g HT20 ax HE20	2412 / 2417 / 2422 / 2427 / 2437 / 2447 / 2452 / 2457 / 2462	6 Mbps MCS 0 MCS 0	
	HT40 ax HE40	2422 / 2427 / 2437 / 2447 / 2452	MCS 0 MCS 0	
NOTE:				
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The Z-plane results were found as the worst case and were shown in this report.				

3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

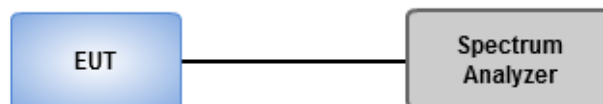
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = No faster than coupled (auto) time, Allow the trace to stabilize.
4. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value

Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Akun Chung
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Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.

Antenna gain $> 6\text{dBi}$

Non Fixed, point to point operations.

The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

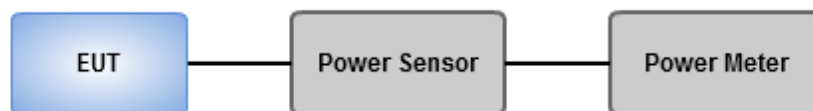
Fixed, point to point operations

Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Akun Chung
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Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

Peak PSD

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

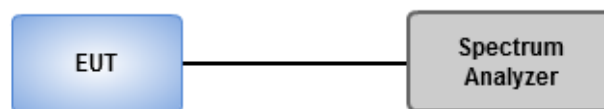
Average PSD, duty cycle $\geq 98\%$

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle $< 98\%$

1. Set the RBW = 3 kHz, VBW = 10 kHz
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.
6. Add $10 \log (1/x)$, where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Akun Chung
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Refer to Appendix C.

3.4 Unwanted Emissions into Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

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:
Quasi-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.

3.4.2 Test Procedures

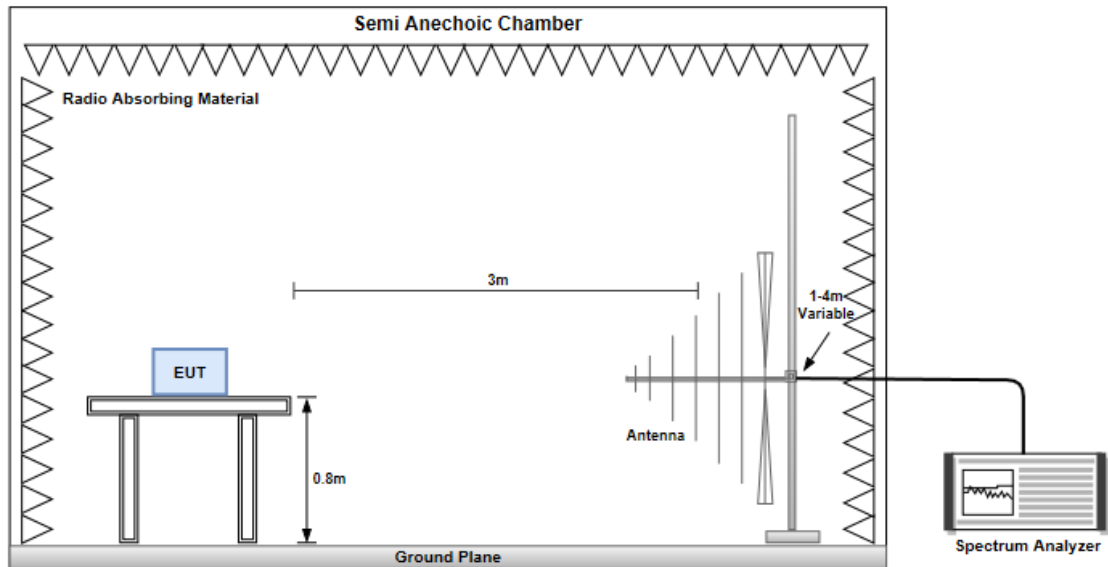
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

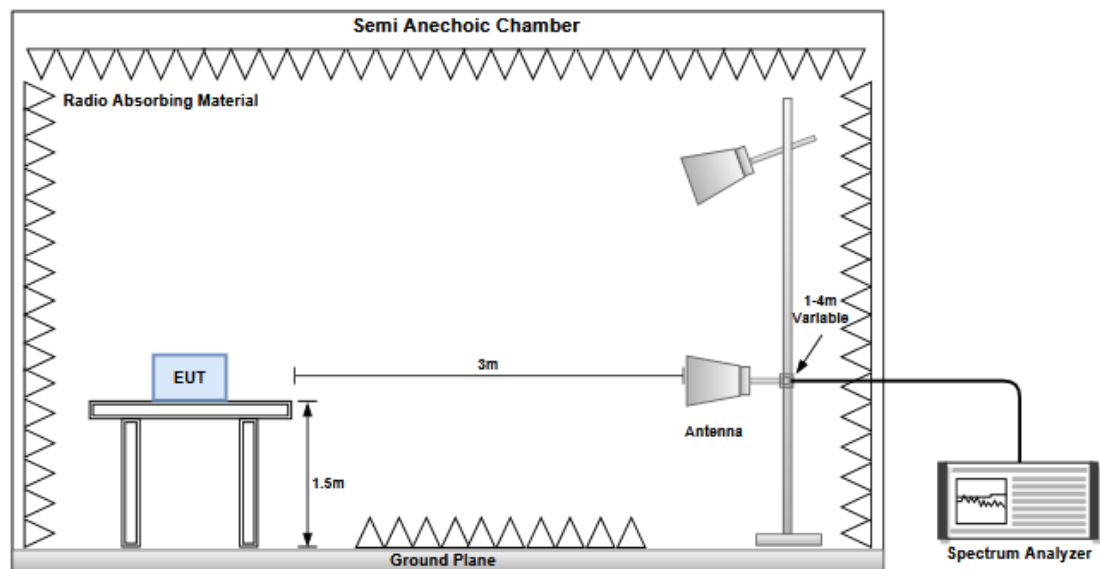
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Ambient Condition	22-26°C / 63-65%	Tested By	Brad Wu & Akun Chung
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Refer to Appendix D.

3.5 Emissions in Non-Restricted Frequency Bands

3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

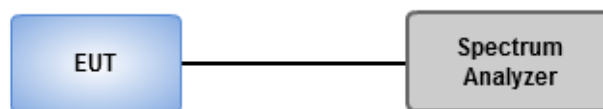
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	24°C / 62%	Tested By	Akun Chung
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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

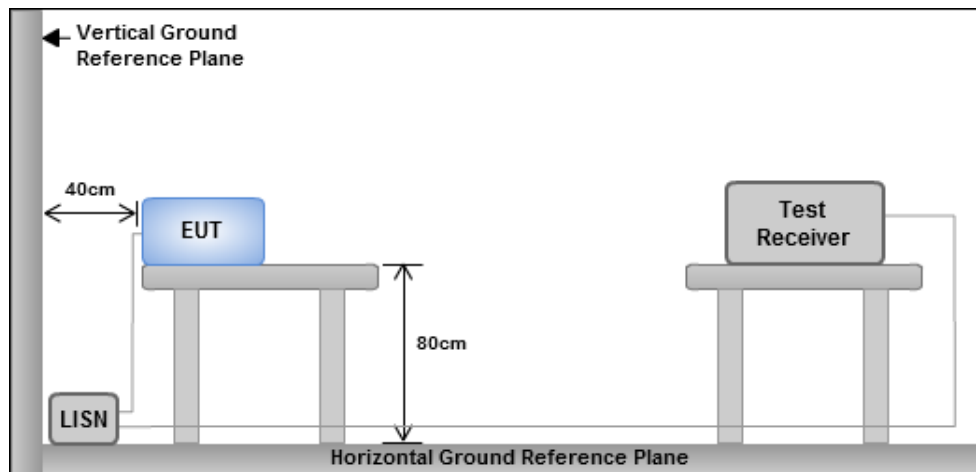
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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==

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.125M	12.973M	13M0G1D	8.1M	12.604M
802.11g_Nss1,(6Mbps)_2TX	16.375M	16.999M	17M0D1D	16.25M	16.714M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.95M	19.119M	19M1D1D	18.9M	18.901M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.732M	37M7D1D	36.55M	37.693M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth; 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)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.125M	12.973M	8.1M	12.709M
2437MHz	Pass	500k	8.1M	12.608M	8.1M	12.702M
2462MHz	Pass	500k	8.1M	12.604M	8.1M	12.664M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.275M	16.808M	16.375M	16.73M
2437MHz	Pass	500k	16.25M	16.793M	16.325M	16.999M
2462MHz	Pass	500k	16.325M	16.74M	16.3M	16.714M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.902M	18.925M	18.901M
2437MHz	Pass	500k	18.925M	19.059M	18.9M	19.119M
2462MHz	Pass	500k	18.95M	19.041M	18.925M	19.061M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.693M	37.4M	37.703M
2437MHz	Pass	500k	37.7M	37.732M	37.45M	37.712M
2452MHz	Pass	500k	37.6M	37.71M	36.55M	37.709M

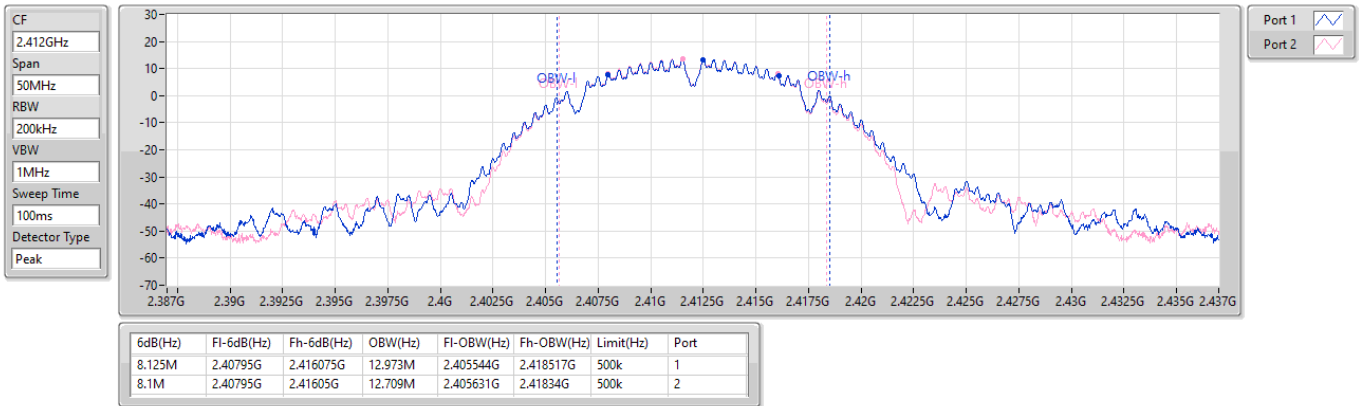
Port X-N dB = Port X 6dB down bandwidth;

Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

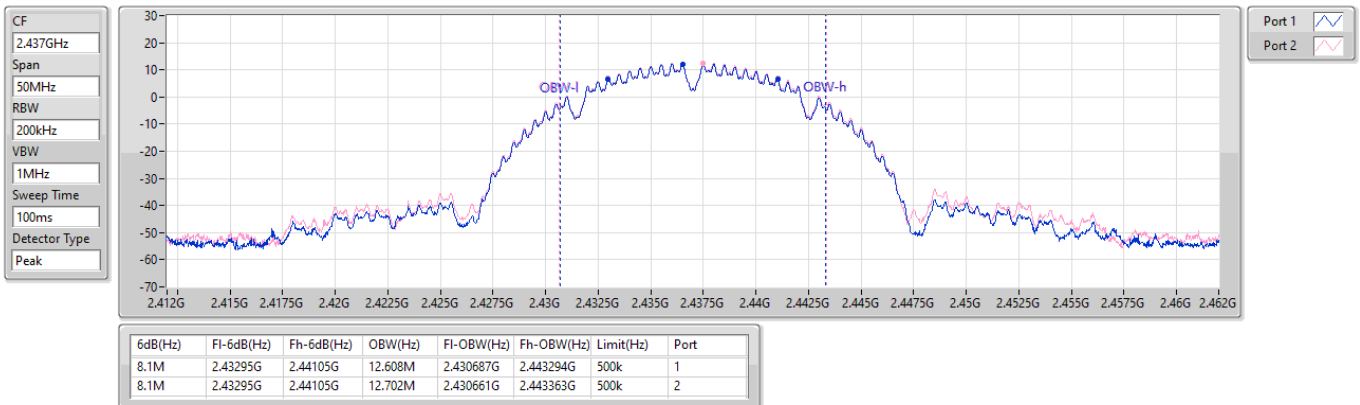
2412MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

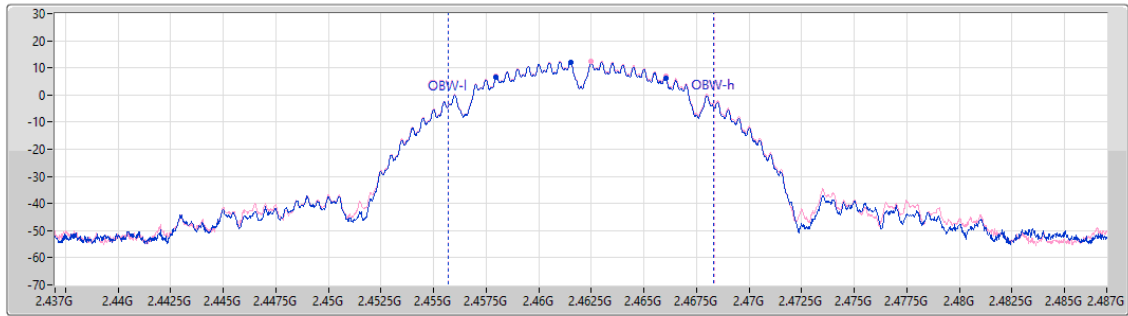


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



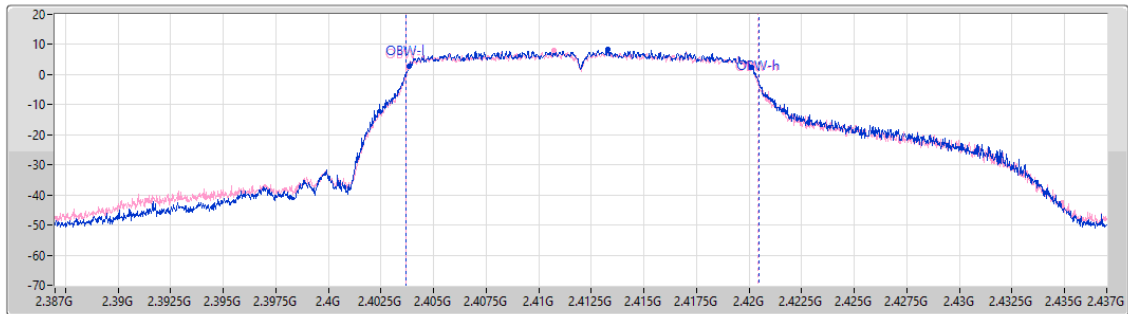
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.1M	2.45795G	2.46605G	12.604M	2.45568G	2.468284G	500k	1
8.1M	2.45795G	2.46605G	12.664M	2.455687G	2.468332G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

CF
2.412GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.40385G	2.420125G	16.808M	2.403677G	2.420485G	500k	1
16.375M	2.4038G	2.420175G	16.73M	2.403707G	2.420437G	500k	2

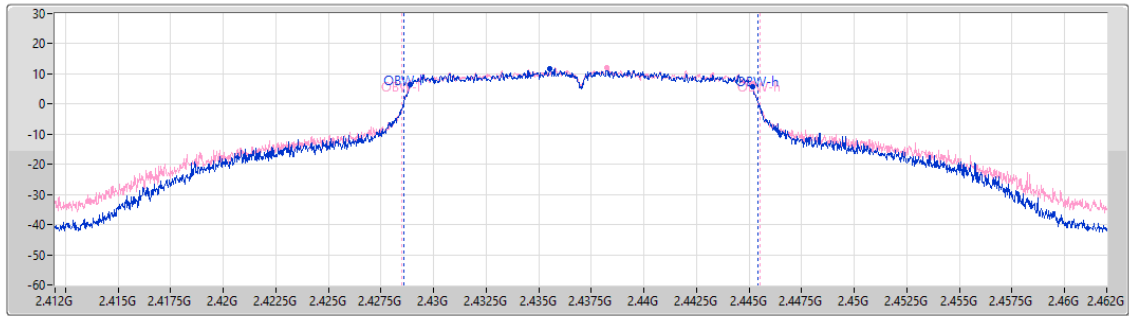


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

CF
2.437GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



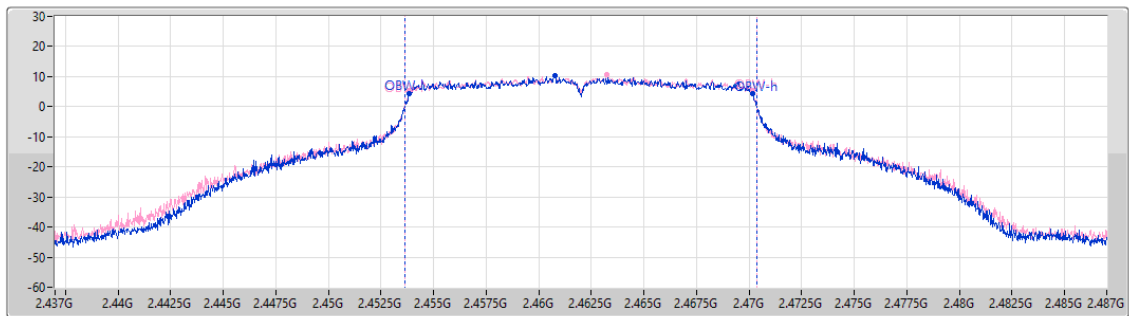
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	2.4289G	2.44515G	16.793M	2.428607G	2.4454G	500k	1
16.325M	2.428825G	2.44515G	16.999M	2.428494G	2.445492G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.74M	2.453631G	2.470371G	500k	1
16.3M	2.45385G	2.47015G	16.714M	2.45363G	2.470344G	500k	2

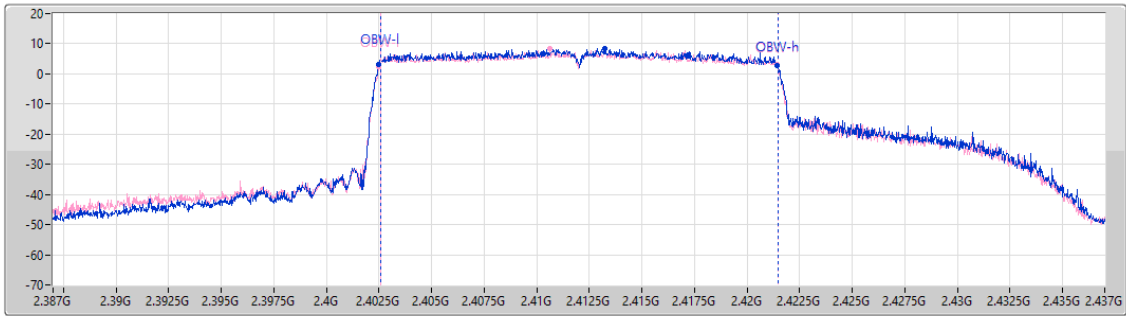


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

CF
2.412GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

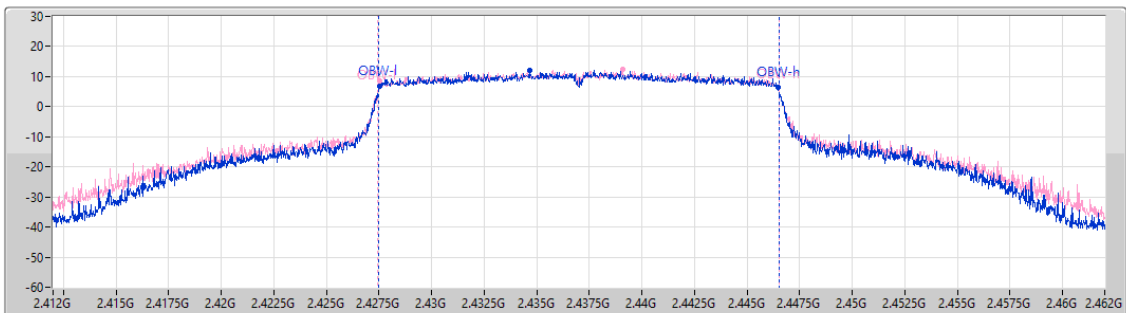
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4025G	2.421425G	18.902M	2.402559G	2.421461G	500k	1
18.925M	2.4025G	2.421425G	18.901M	2.402556G	2.421456G	500k	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

CF
2.437GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.427525G	2.44645G	19.059M	2.427473G	2.446532G	500k	1
18.9M	2.42755G	2.44645G	19.119M	2.427429G	2.446548G	500k	2

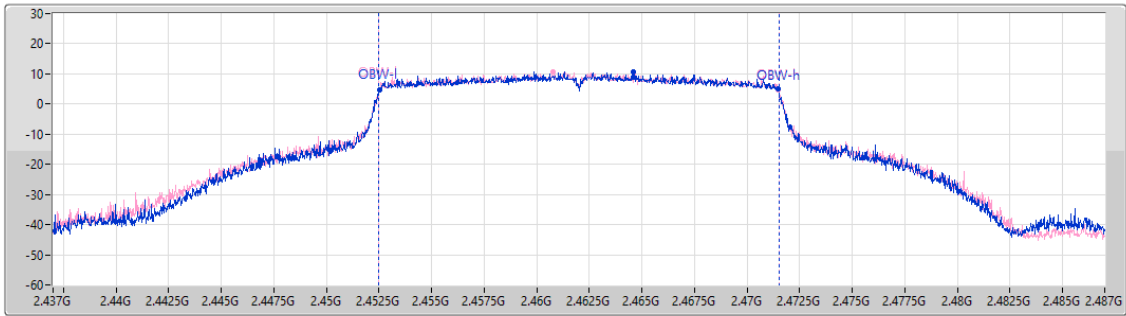


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

CF
2.462GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



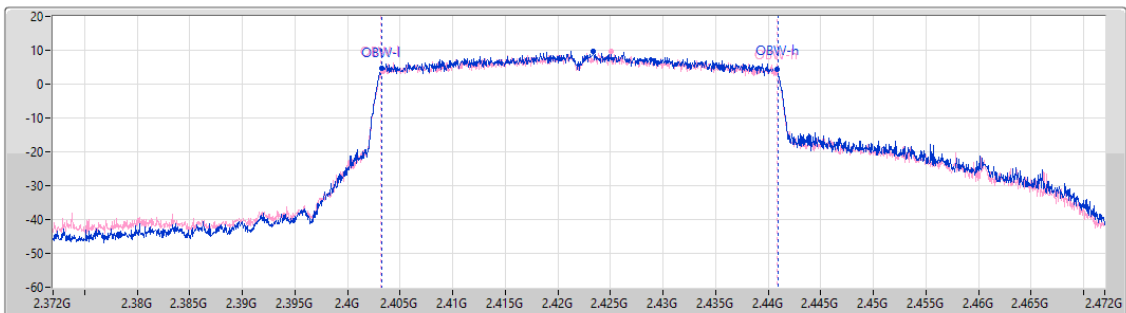
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.452525G	2.471475G	19.041M	2.452471G	2.471512G	500k	1
18.925M	2.452525G	2.47145G	19.061M	2.452469G	2.47153G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

CF
2.422GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.40325G	2.4408G	37.693M	2.403209G	2.440902G	500k	1
37.4M	2.40335G	2.44075G	37.703M	2.403184G	2.440887G	500k	2

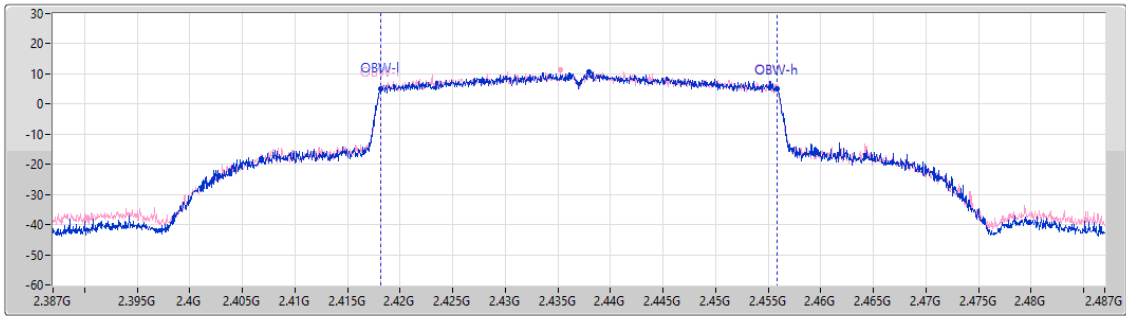


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

CF
2.437GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



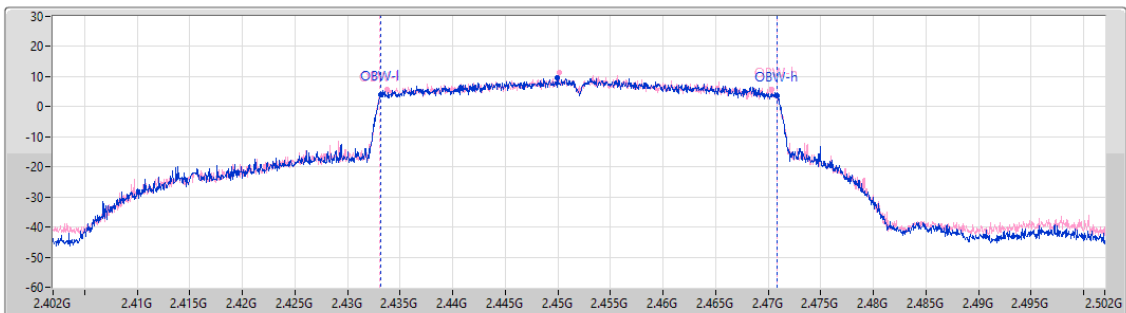
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.7M	2.41815G	2.45585G	37.732M	2.418139G	2.455871G	500k	1
37.45M	2.41825G	2.4557G	37.712M	2.418128G	2.455839G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

CF
2.452GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.4332G	2.4708G	37.71M	2.433112G	2.470822G	500k	1
36.55M	2.43375G	2.4703G	37.709M	2.4331G	2.470809G	500k	2

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.78	0.47643
802.11g_Nss1,(6Mbps)_2TX	29.21	0.83368
802.11ax HEW20_Nss1,(MCS0)_2TX	29.20	0.83176
802.11ax HEW40_Nss1,(MCS0)_2TX	25.43	0.34914

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.25	23.51	24.01	26.78	30.00	29.03	36.00
2437MHz	Pass	2.25	22.32	23.21	25.80	30.00	28.05	36.00
2462MHz	Pass	2.25	22.32	22.86	25.61	30.00	27.86	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.25	24.35	24.26	27.32	30.00	29.57	36.00
2417MHz	Pass	2.25	24.71	24.78	27.76	30.00	30.01	36.00
2422MHz	Pass	2.25	25.37	25.21	28.30	30.00	30.55	36.00
2427MHz	Pass	2.25	26.2	26.1	29.16	30.00	31.41	36.00
2437MHz	Pass	2.25	26.12	26.28	29.21	30.00	31.46	36.00
2447MHz	Pass	2.25	26.19	26.09	29.15	30.00	31.40	36.00
2452MHz	Pass	2.25	25.84	25.91	28.89	30.00	31.14	36.00
2457MHz	Pass	2.25	25.32	25.68	28.51	30.00	30.76	36.00
2462MHz	Pass	2.25	25.58	25.65	28.63	30.00	30.88	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.25	23.68	23.42	26.56	30.00	28.81	36.00
2417MHz	Pass	2.25	24.75	24.54	27.66	30.00	29.91	36.00
2422MHz	Pass	2.25	25.65	25.48	28.58	30.00	30.83	36.00
2427MHz	Pass	2.25	26.02	25.92	28.98	30.00	31.23	36.00
2437MHz	Pass	2.25	26.17	26.21	29.20	30.00	31.45	36.00
2447MHz	Pass	2.25	26.11	26.01	29.07	30.00	31.32	36.00
2452MHz	Pass	2.25	25.58	25.81	28.71	30.00	30.96	36.00
2457MHz	Pass	2.25	25.02	25.48	28.27	30.00	30.52	36.00
2462MHz	Pass	2.25	25.02	25.59	28.32	30.00	30.57	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.25	21.53	21.12	24.34	30.00	26.59	36.00
2427MHz	Pass	2.25	22.21	22.02	25.13	30.00	27.38	36.00
2437MHz	Pass	2.25	22.23	22.61	25.43	30.00	27.68	36.00
2447MHz	Pass	2.25	22.08	22.13	25.12	30.00	27.37	36.00
2452MHz	Pass	2.25	21.39	21.52	24.47	30.00	26.72	36.00

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

**Conducted Output Power(Average)****Appendix B****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.26	0.26669
802.11g_Nss1,(6Mbps)_2TX	24.27	0.26730
802.11ax HEW20_Nss1,(MCS0)_2TX	23.78	0.23878
802.11ax HEW40_Nss1,(MCS0)_2TX	19.60	0.09120

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX								
2412MHz	Pass	2.25	21.01	21.47	24.26	-	26.51	-
2437MHz	Pass	2.25	19.84	20.65	23.27	-	25.52	-
2462MHz	Pass	2.25	19.74	20.35	23.07	-	25.32	-
802.11g_Nss1,(6Mbps)_2TX								
2412MHz	Pass	2.25	17.85	17.72	20.80	-	23.05	-
2417MHz	Pass	2.25	19.25	19.05	22.16	-	24.41	-
2422MHz	Pass	2.25	19.78	19.61	22.71	-	24.96	-
2427MHz	Pass	2.25	20.71	20.83	23.78	-	26.03	-
2437MHz	Pass	2.25	20.94	21.56	24.27	-	26.52	-
2447MHz	Pass	2.25	20.76	21.33	24.06	-	26.31	-
2452MHz	Pass	2.25	20.27	20.71	23.51	-	25.76	-
2457MHz	Pass	2.25	19.75	20.27	23.03	-	25.28	-
2462MHz	Pass	2.25	19.42	20.01	22.74	-	24.99	-
802.11ax HEW20_Nss1,(MCS0)_2TX								
2412MHz	Pass	2.25	16.96	16.72	19.85	-	22.10	-
2417MHz	Pass	2.25	18.95	18.76	21.87	-	24.12	-
2422MHz	Pass	2.25	19.93	19.76	22.86	-	25.11	-
2427MHz	Pass	2.25	20.34	20.28	23.32	-	25.57	-
2437MHz	Pass	2.25	20.42	21.09	23.78	-	26.03	-
2447MHz	Pass	2.25	20.34	20.93	23.66	-	25.91	-
2452MHz	Pass	2.25	19.93	20.29	23.12	-	25.37	-
2457MHz	Pass	2.25	19.42	19.76	22.60	-	24.85	-
2462MHz	Pass	2.25	18.89	19.46	22.19	-	24.44	-
802.11ax HEW40_Nss1,(MCS0)_2TX								
2422MHz	Pass	2.25	15.35	15.12	18.25	-	20.50	-
2427MHz	Pass	2.25	16.53	16.15	19.35	-	21.60	-
2437MHz	Pass	2.25	16.46	16.71	19.60	-	21.85	-
2447MHz	Pass	2.25	16.51	16.46	19.50	-	21.75	-
2452MHz	Pass	2.25	15.47	15.62	18.56	-	20.81	-

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

Note : Conducted average output power is for reference

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.74
802.11g_Nss1,(6Mbps)_2TX	-1.66
802.11n HT20_Nss1,(MCS0)_2TX	-2.74
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.52
802.11n HT40_Nss1,(MCS0)_2TX	-10.47
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.05

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.27	-0.60	-0.77	0.74	8.00
2437MHz	Pass	4.27	-2.76	-2.25	-1.06	8.00
2462MHz	Pass	4.27	-2.37	-0.30	0.36	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.27	-6.91	-6.10	-4.93	8.00
2437MHz	Pass	4.27	-2.93	-2.71	-1.66	8.00
2462MHz	Pass	4.27	-5.20	-4.80	-2.92	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.27	-10.11	-10.46	-8.17	8.00
2437MHz	Pass	4.27	-4.68	-3.69	-2.74	8.00
2462MHz	Pass	4.27	-6.99	-6.09	-4.57	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.27	-13.34	-11.82	-10.92	8.00
2437MHz	Pass	4.27	-11.19	-12.41	-10.47	8.00
2452MHz	Pass	4.27	-11.79	-13.32	-10.94	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.27	-9.02	-9.71	-7.45	8.00
2437MHz	Pass	4.27	-5.47	-4.43	-2.52	8.00
2462MHz	Pass	4.27	-7.04	-7.04	-4.30	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.27	-12.25	-13.80	-10.47	8.00
2437MHz	Pass	4.27	-11.59	-12.57	-10.05	8.00
2452MHz	Pass	4.27	-13.20	-11.35	-10.65	8.00

DG = Directional Gain; RBW = 3kHz;

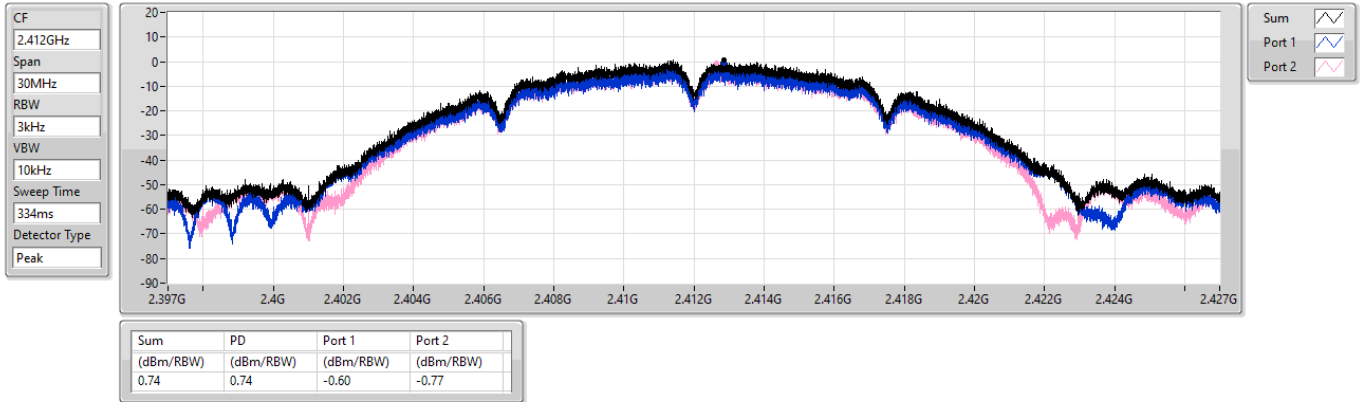
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Directional gain refers to antenna datasheet.

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

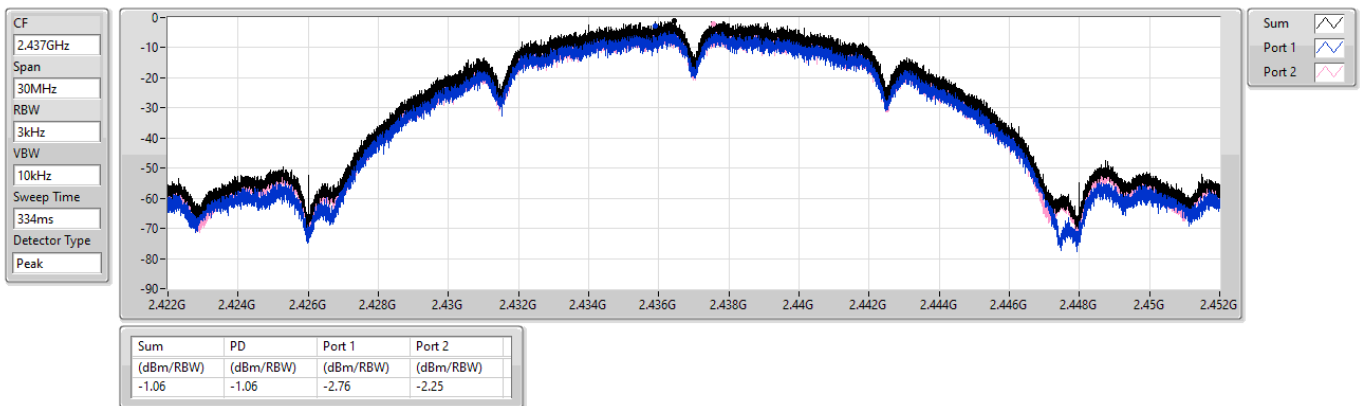
2412MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

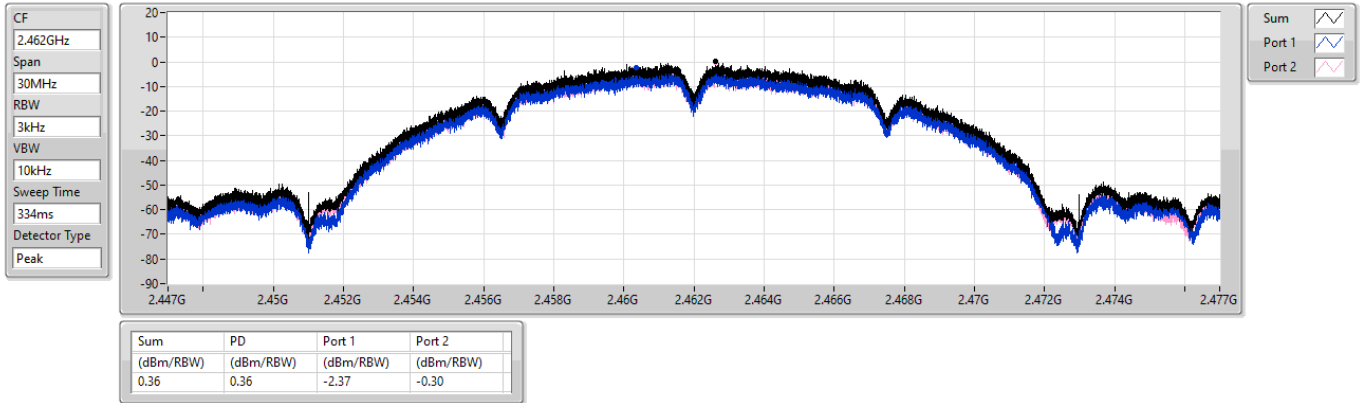
2437MHz



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

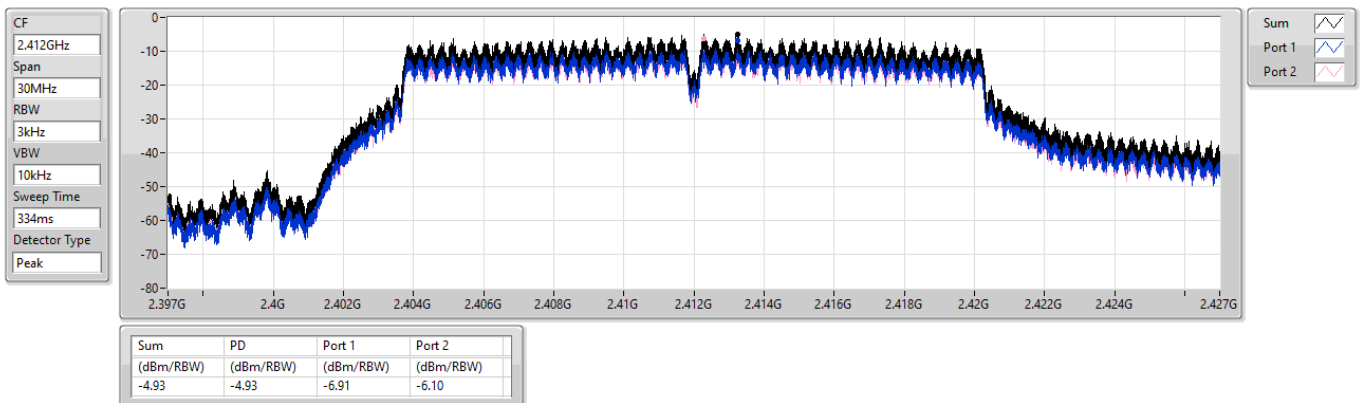
2462MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

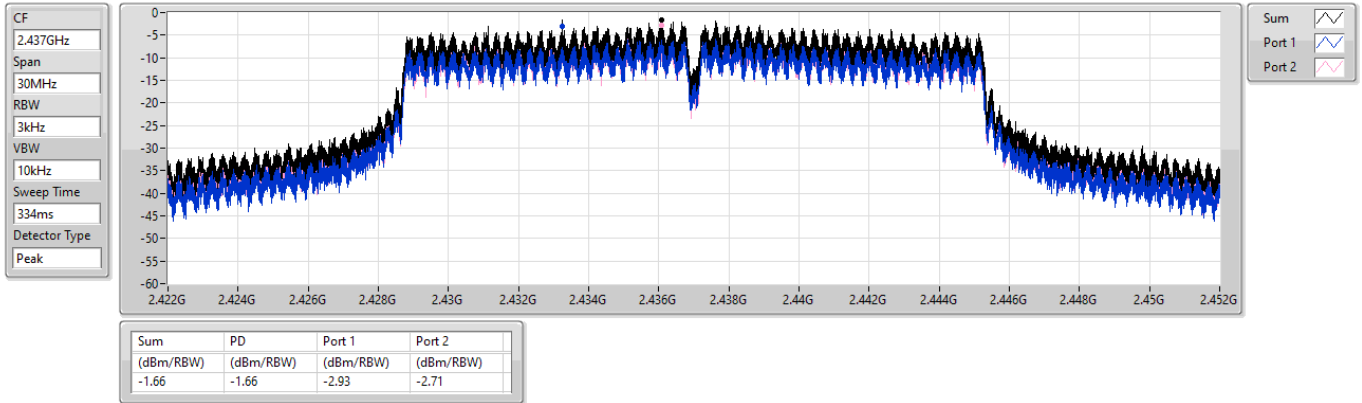
2412MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

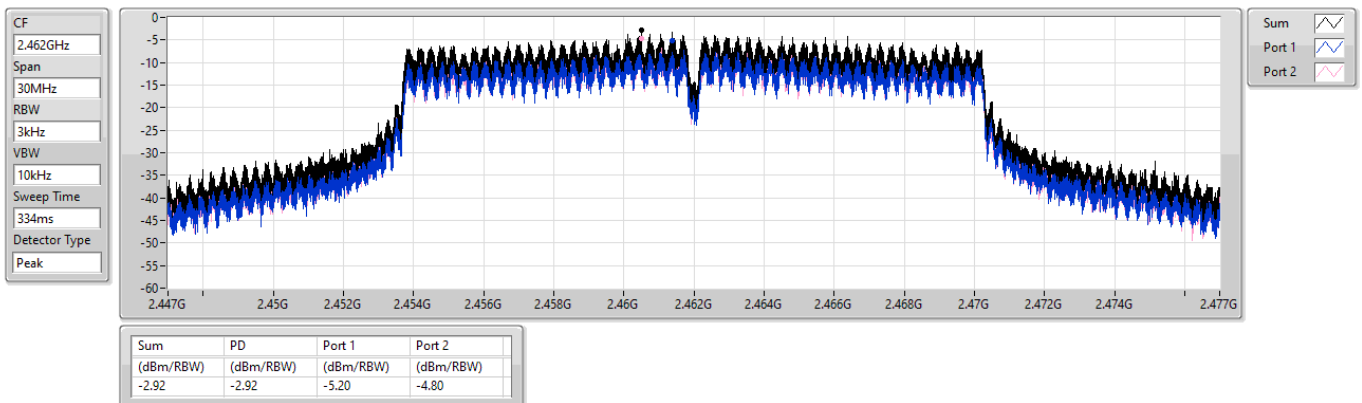
2437MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

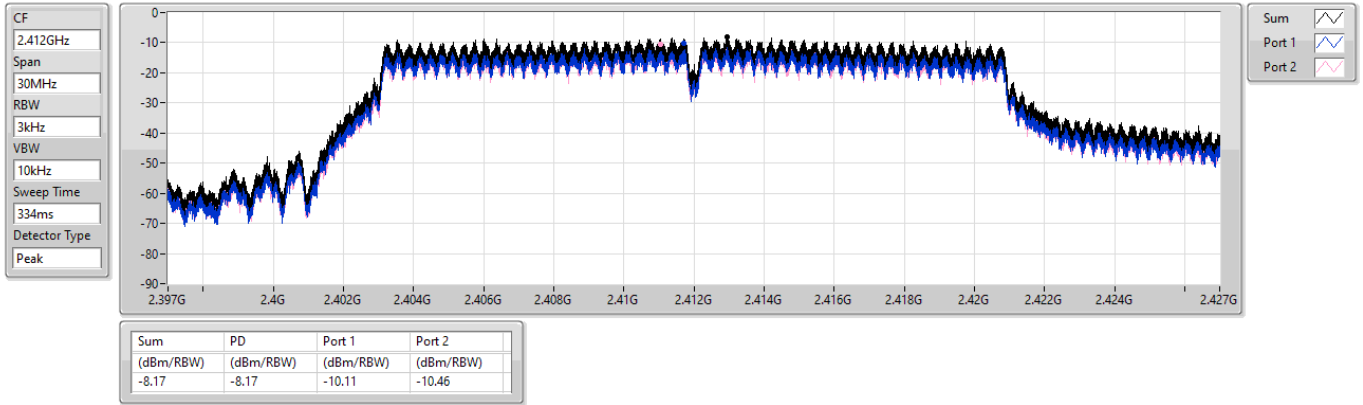
2462MHz



2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_2TX

PSD

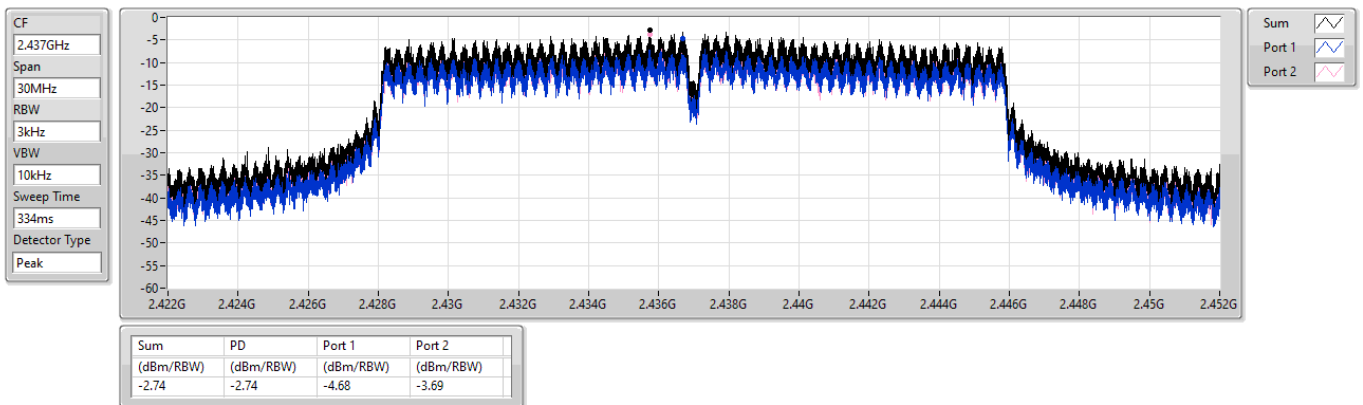
2412MHz



2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_2TX

PSD

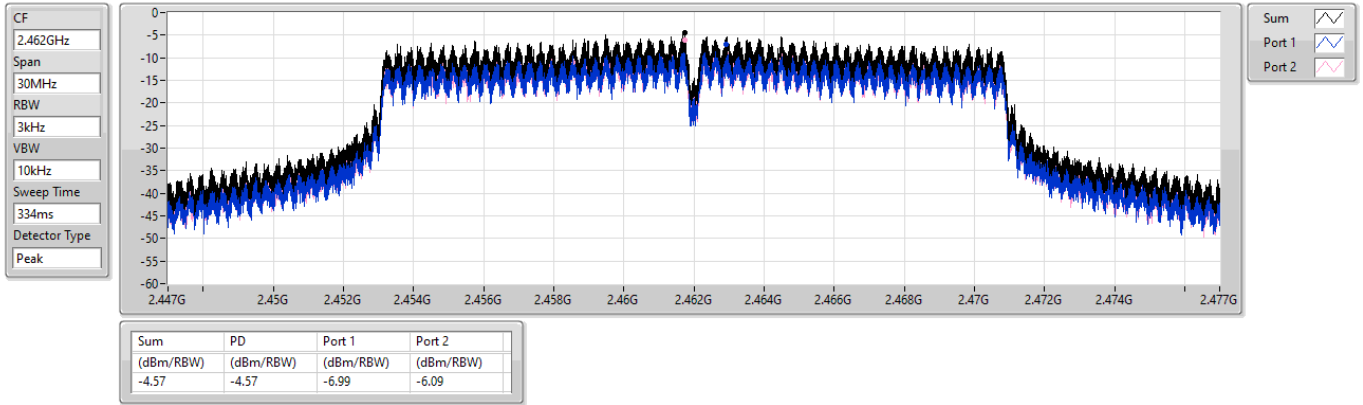
2437MHz



2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_2TX

PSD

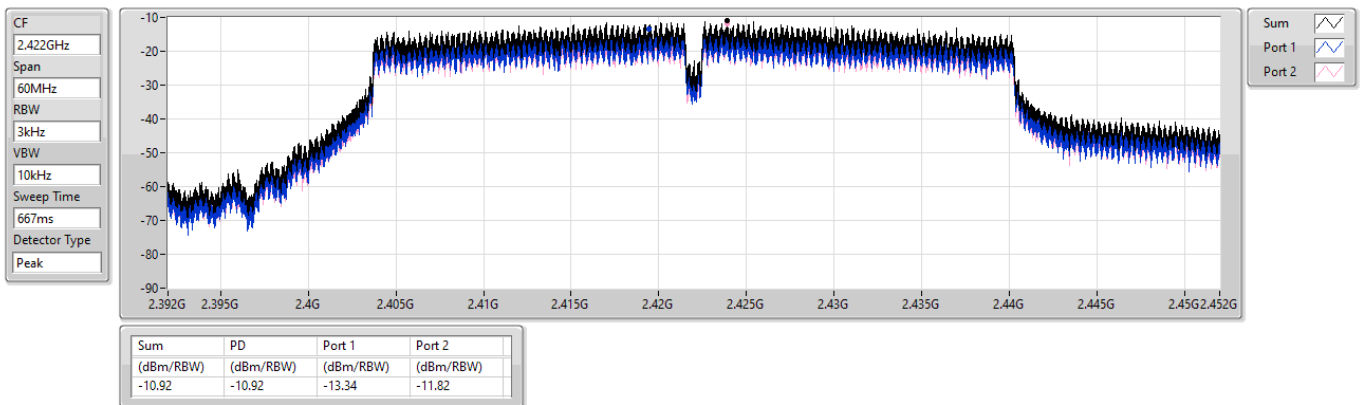
2462MHz



2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

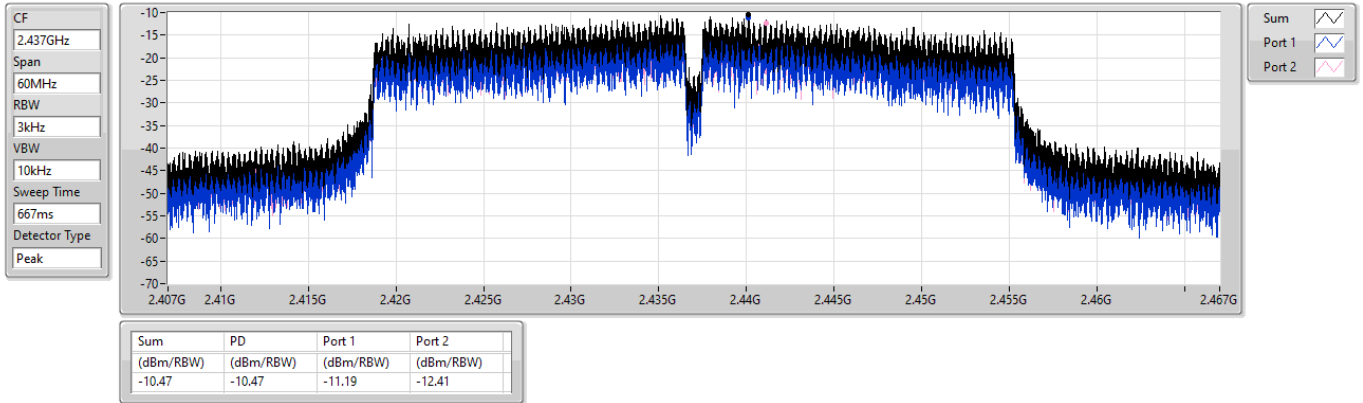




2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_2TX

PSD

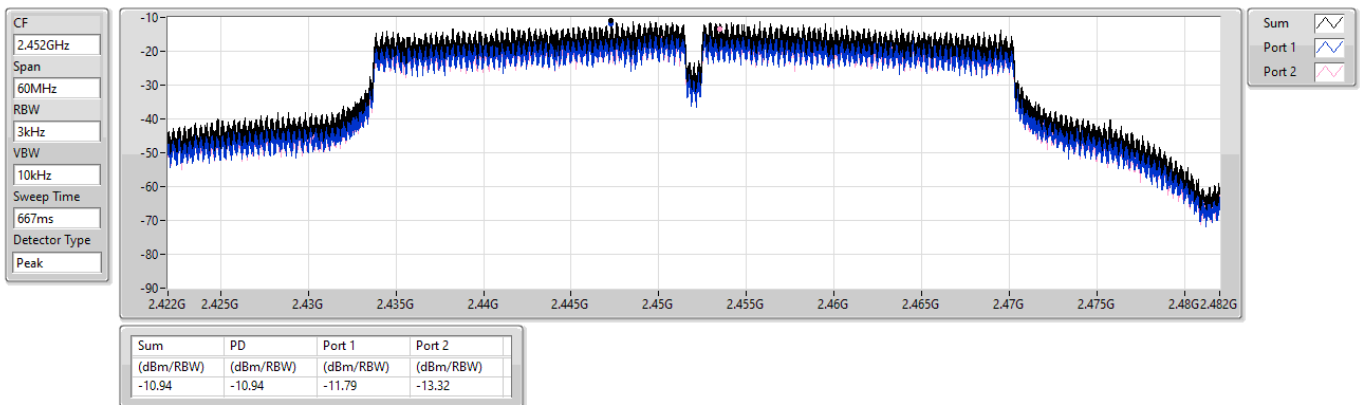
2437MHz



2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_2TX

PSD

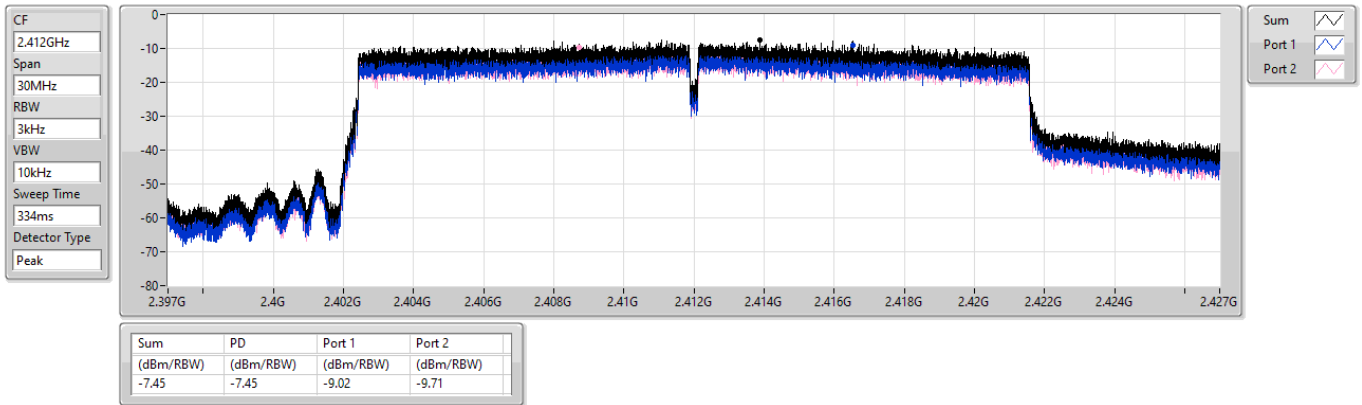
2452MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

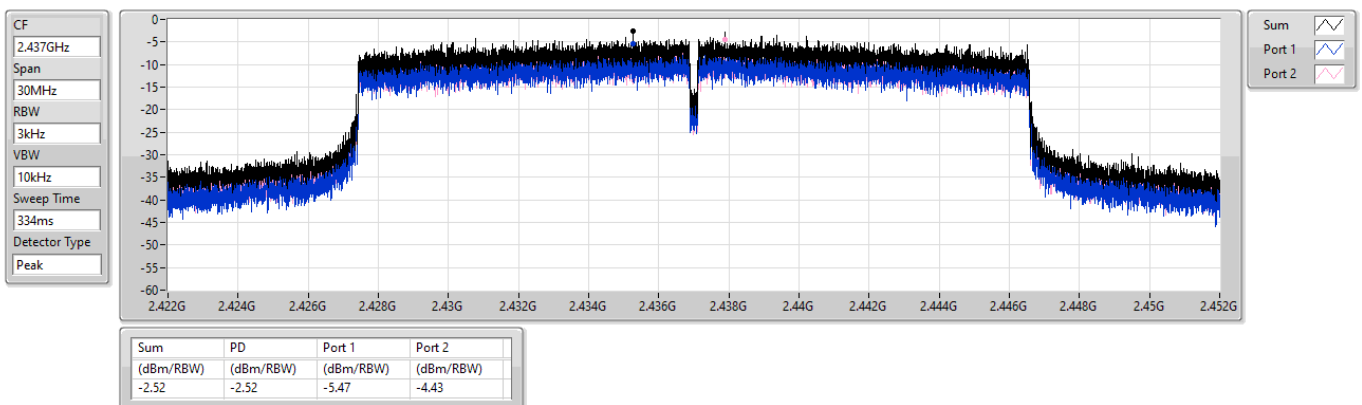
2412MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

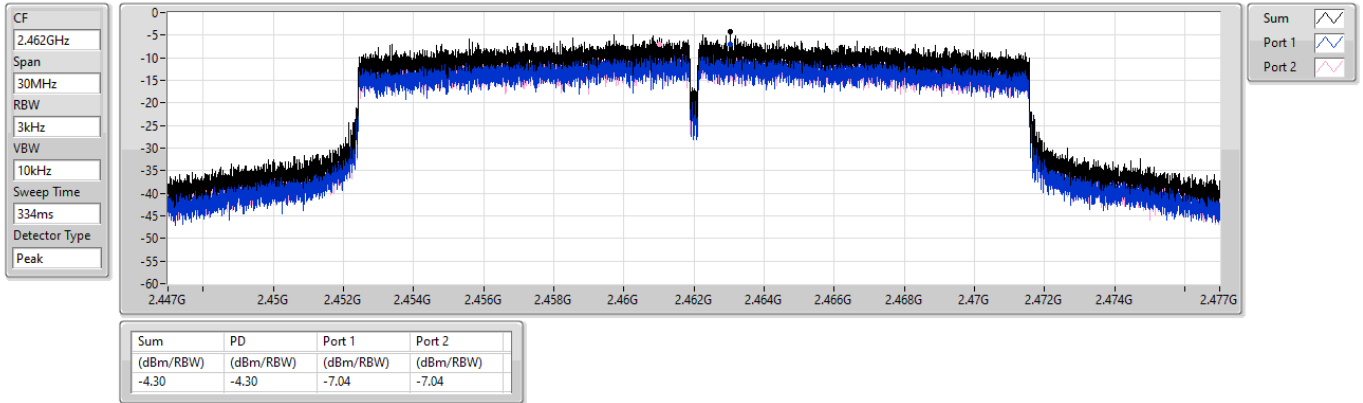




2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

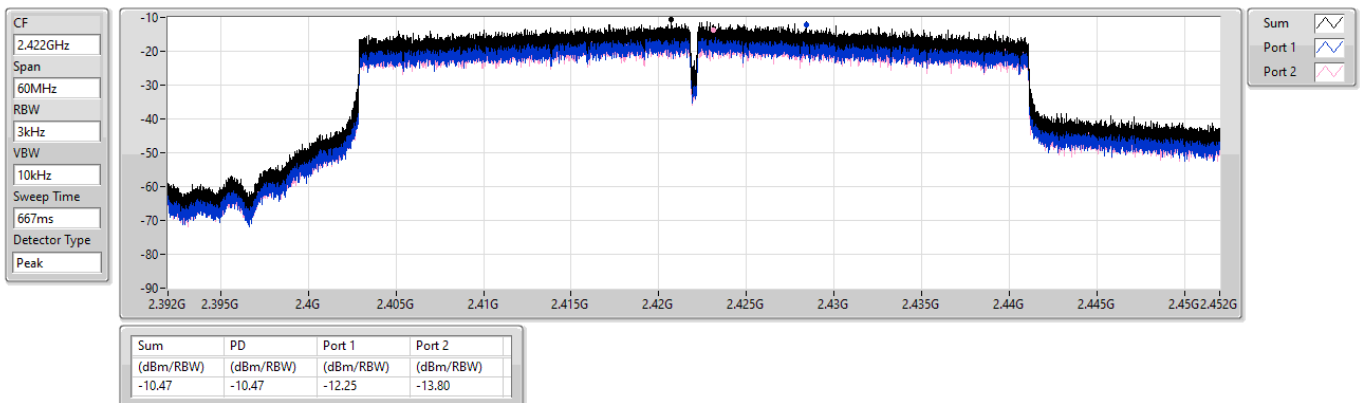
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

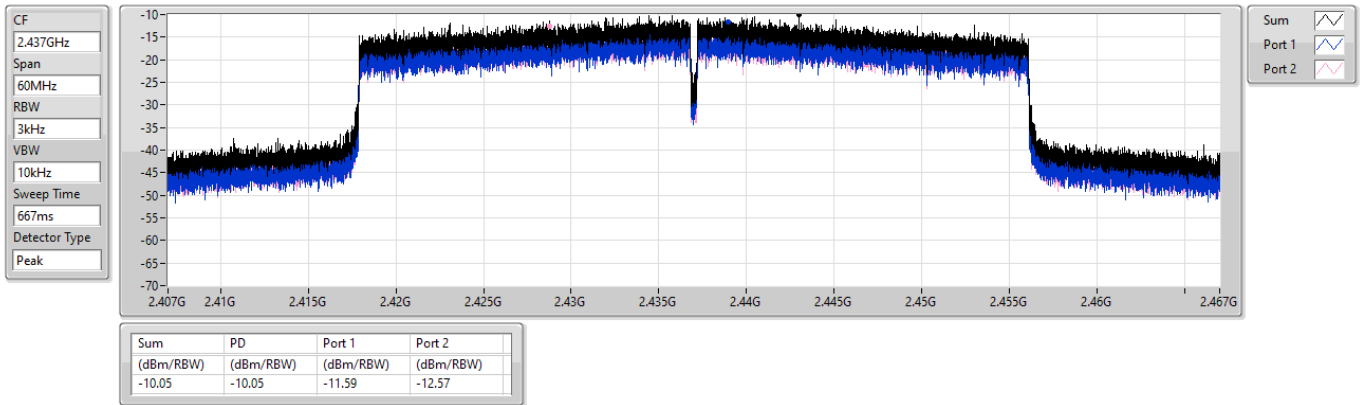




2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

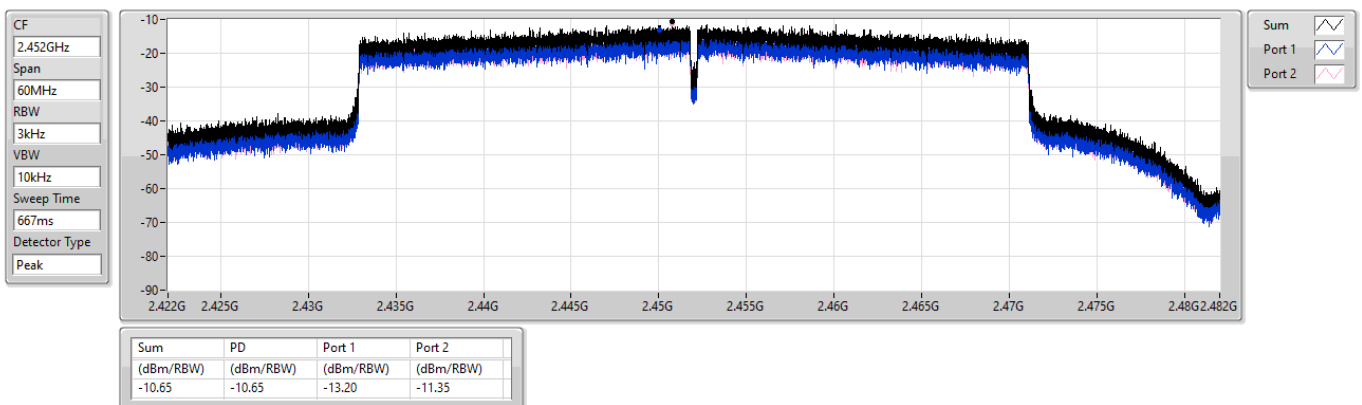
2437MHz



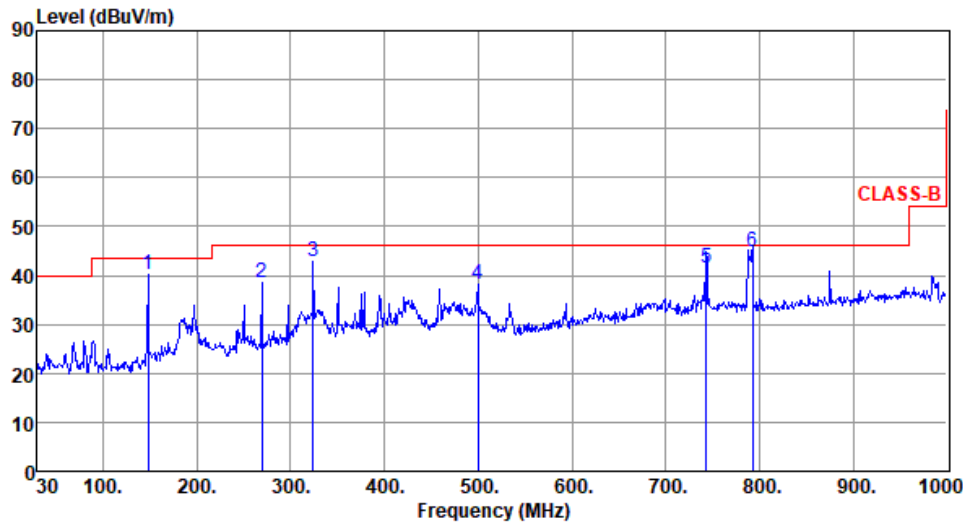
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

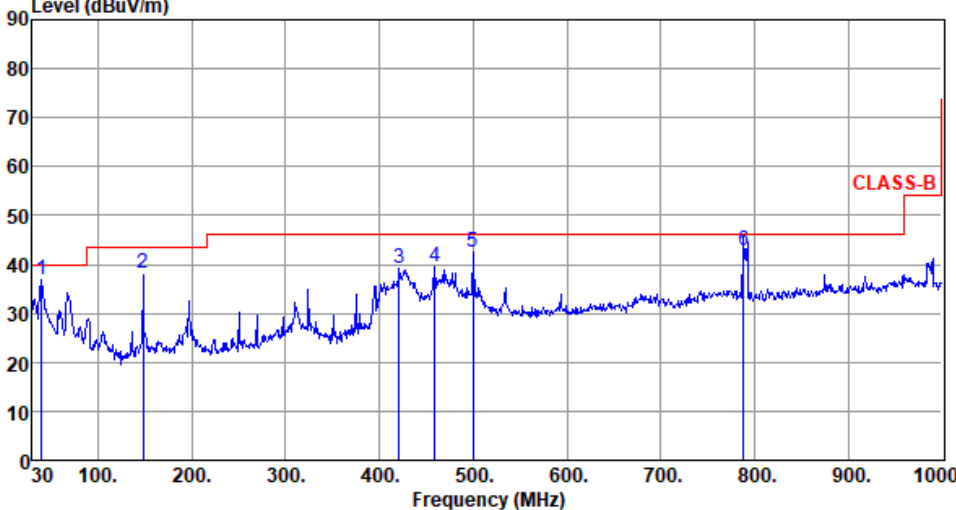
2452MHz



Unwanted Emissions (Below 1GHz)

Modulation	11g	Test Freq. (MHz)	2437																																																																						
Polarization	Horizontal																																																																								
Test By :Akun Chung Temperature(°C):26 Humidity(%):63																																																																									
 <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>148.41</td><td>40.07</td><td>43.50</td><td>-3.43</td><td>48.90</td><td>-8.83</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>269.52</td><td>38.36</td><td>46.00</td><td>-7.64</td><td>47.39</td><td>-9.03</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>323.91</td><td>42.78</td><td>46.00</td><td>-3.22</td><td>50.03</td><td>-7.25</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>499.48</td><td>38.14</td><td>46.00</td><td>-7.86</td><td>40.95</td><td>-2.81</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>742.95</td><td>41.62</td><td>46.00</td><td>-4.38</td><td>39.17</td><td>2.45</td><td>QP</td><td>100</td><td>159</td></tr><tr><td>6</td><td>792.35</td><td>44.76</td><td>46.00</td><td>-1.24</td><td>41.66</td><td>3.10</td><td>QP</td><td>100</td><td>241</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	148.41	40.07	43.50	-3.43	48.90	-8.83	Peak	---	---	2	269.52	38.36	46.00	-7.64	47.39	-9.03	Peak	---	---	3	323.91	42.78	46.00	-3.22	50.03	-7.25	Peak	---	---	4	499.48	38.14	46.00	-7.86	40.95	-2.81	Peak	---	---	5	742.95	41.62	46.00	-4.38	39.17	2.45	QP	100	159	6	792.35	44.76	46.00	-1.24	41.66	3.10	QP	100	241
	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	148.41	40.07	43.50	-3.43	48.90	-8.83	Peak	---	---																																																																
2	269.52	38.36	46.00	-7.64	47.39	-9.03	Peak	---	---																																																																
3	323.91	42.78	46.00	-3.22	50.03	-7.25	Peak	---	---																																																																
4	499.48	38.14	46.00	-7.86	40.95	-2.81	Peak	---	---																																																																
5	742.95	41.62	46.00	-4.38	39.17	2.45	QP	100	159																																																																
6	792.35	44.76	46.00	-1.24	41.66	3.10	QP	100	241																																																																
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	11g	Test Freq. (MHz)	2437																																																																						
Polarization	Vertical																																																																								
Test By :Akun Chung Temperature(°C):26 Humidity(%):63																																																																									
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>39.70</td><td>36.97</td><td>40.00</td><td>-3.03</td><td>45.88</td><td>-8.91</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>148.34</td><td>38.17</td><td>43.50</td><td>-5.33</td><td>46.99</td><td>-8.82</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>420.91</td><td>39.26</td><td>46.00</td><td>-6.74</td><td>43.92</td><td>-4.66</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>458.74</td><td>39.46</td><td>46.00</td><td>-6.54</td><td>43.11</td><td>-3.65</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>499.48</td><td>42.58</td><td>46.00</td><td>-3.42</td><td>45.39</td><td>-2.81</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>788.54</td><td>42.85</td><td>46.00</td><td>-3.15</td><td>39.81</td><td>3.04</td><td>QP</td><td>135</td><td>236</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	39.70	36.97	40.00	-3.03	45.88	-8.91	Peak	---	---	2	148.34	38.17	43.50	-5.33	46.99	-8.82	Peak	---	---	3	420.91	39.26	46.00	-6.74	43.92	-4.66	Peak	---	---	4	458.74	39.46	46.00	-6.54	43.11	-3.65	Peak	---	---	5	499.48	42.58	46.00	-3.42	45.39	-2.81	Peak	---	---	6	788.54	42.85	46.00	-3.15	39.81	3.04	QP	135	236
	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	36.97	40.00	-3.03	45.88	-8.91	Peak	---	---																																																																
2	148.34	38.17	43.50	-5.33	46.99	-8.82	Peak	---	---																																																																
3	420.91	39.26	46.00	-6.74	43.92	-4.66	Peak	---	---																																																																
4	458.74	39.46	46.00	-6.54	43.11	-3.65	Peak	---	---																																																																
5	499.48	42.58	46.00	-3.42	45.39	-2.81	Peak	---	---																																																																
6	788.54	42.85	46.00	-3.15	39.81	3.04	QP	135	236																																																																
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor, cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																									

Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) </			



Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) </			

Modulation	11b	Test Freq. (MHz)	2462						
Polarization	Vertical								
Test By :Akun Chung Temperature(°C):22 Humidity(%):64									
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	4924.00	47.01	54.00	-6.99	46.26	0.75	Average	108	209
2	4924.00	51.14	74.00	-22.86	50.39	0.75	Peak	108	209
3	7386.00	52.51	54.00	-1.49	46.28	6.23	Average	103	330
4	7386.00	58.26	74.00	-15.74	52.03	6.23	Peak	103	330
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 11g

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			



Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal-Peak Value		
Test By :Akun Chung Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			

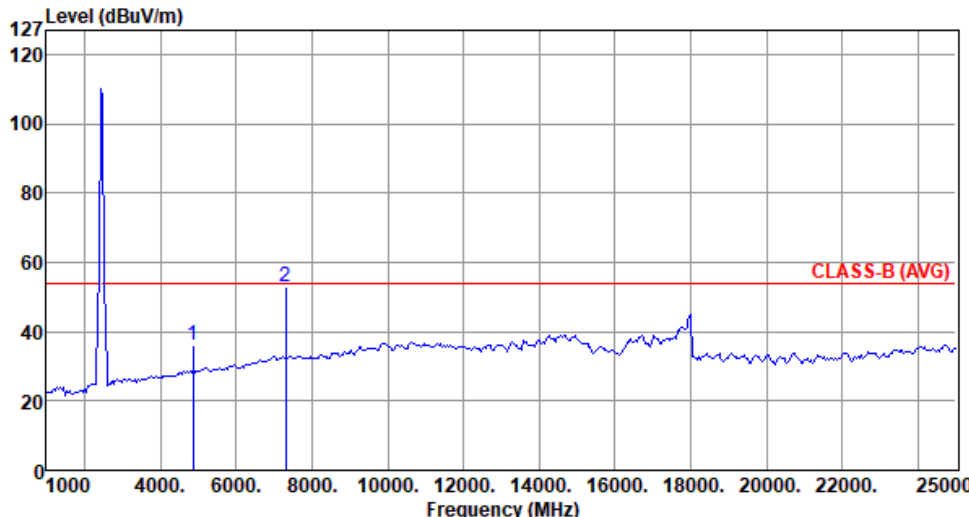


Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal-Average Value		
Test By :Akun Chung Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) </			



Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical-Peak Value		
Test By :Akun Chung Temperature(°C):23 Humidity(%):65			
Level (dBuV/m) </			



Modulation	11g	Test Freq. (MHz)	2437																														
Polarization	Vertical -Average Value																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):65																																	
Level (dBuV/m)  Frequency (MHz)																																	
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>4874.00</td><td>35.92</td><td>54.00</td><td>-18.08</td><td>35.18</td><td>0.74</td><td>Average</td><td>174</td><td>153</td></tr><tr><td>2</td><td>7311.00</td><td>52.99</td><td>54.00</td><td>-1.01</td><td>46.63</td><td>6.36</td><td>Average</td><td>117</td><td>334</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	4874.00	35.92	54.00	-18.08	35.18	0.74	Average	174	153	2	7311.00	52.99	54.00	-1.01	46.63	6.36	Average	117	334
	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	4874.00	35.92	54.00	-18.08	35.18	0.74	Average	174	153																								
2	7311.00	52.99	54.00	-1.01	46.63	6.36	Average	117	334																								
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	11g	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			

Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	2412
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2412
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) </			

Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBUV/m) <			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	2462
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			

Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	2422
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE40	Test Freq. (MHz)	2422
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE40	Test Freq. (MHz)	2437
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			



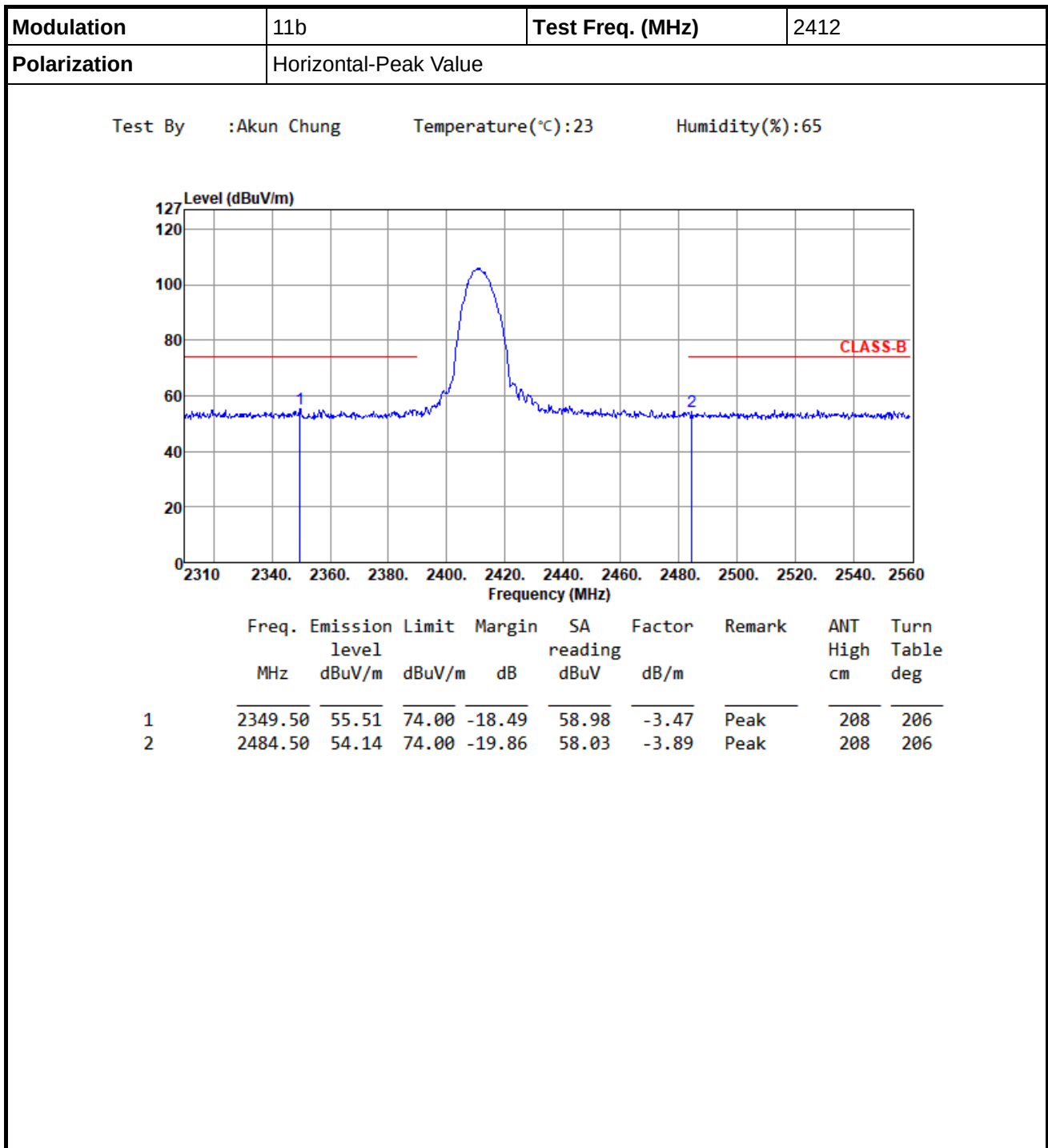
Modulation	ax HE40	Test Freq. (MHz)	2437
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) </			

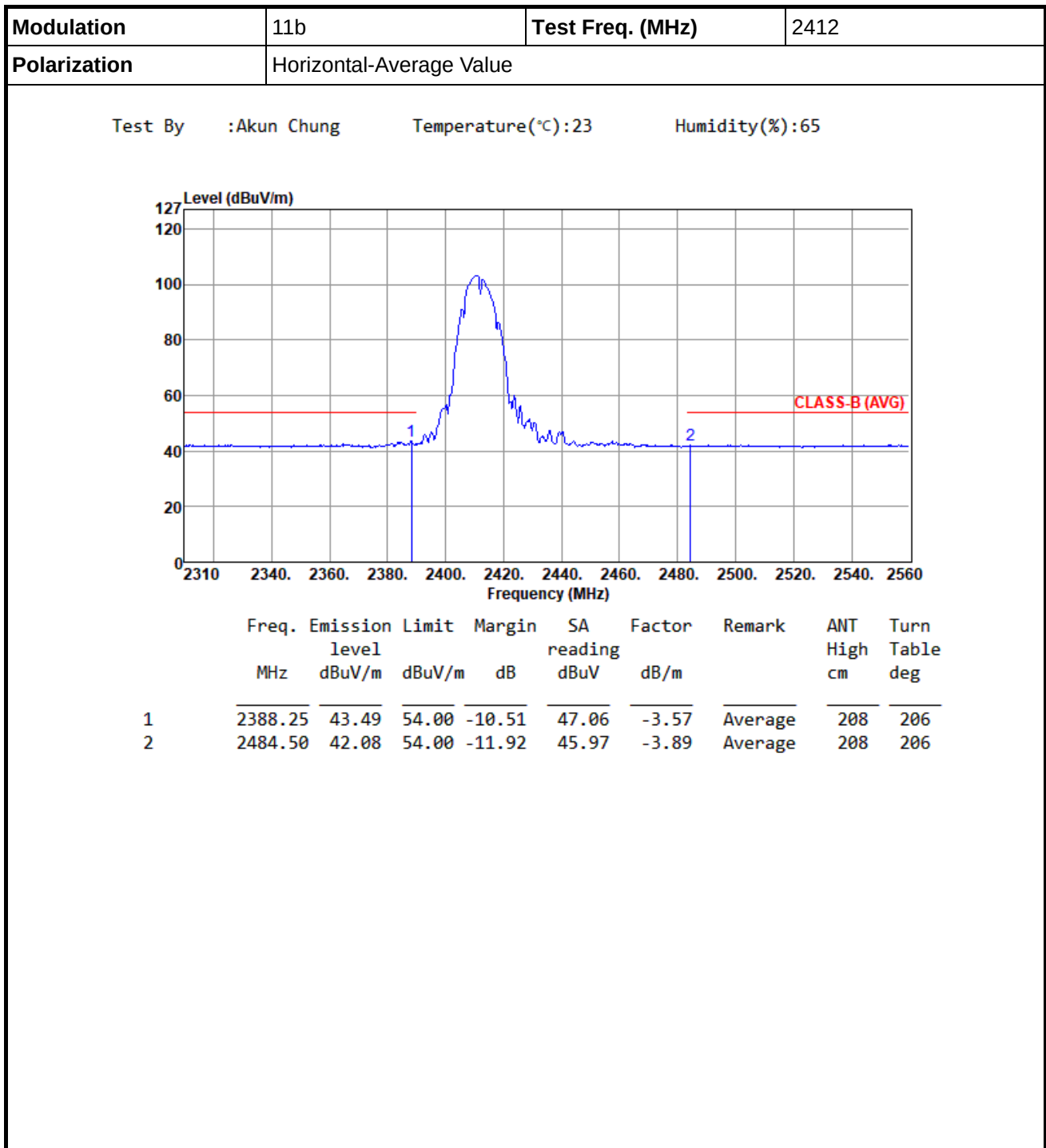


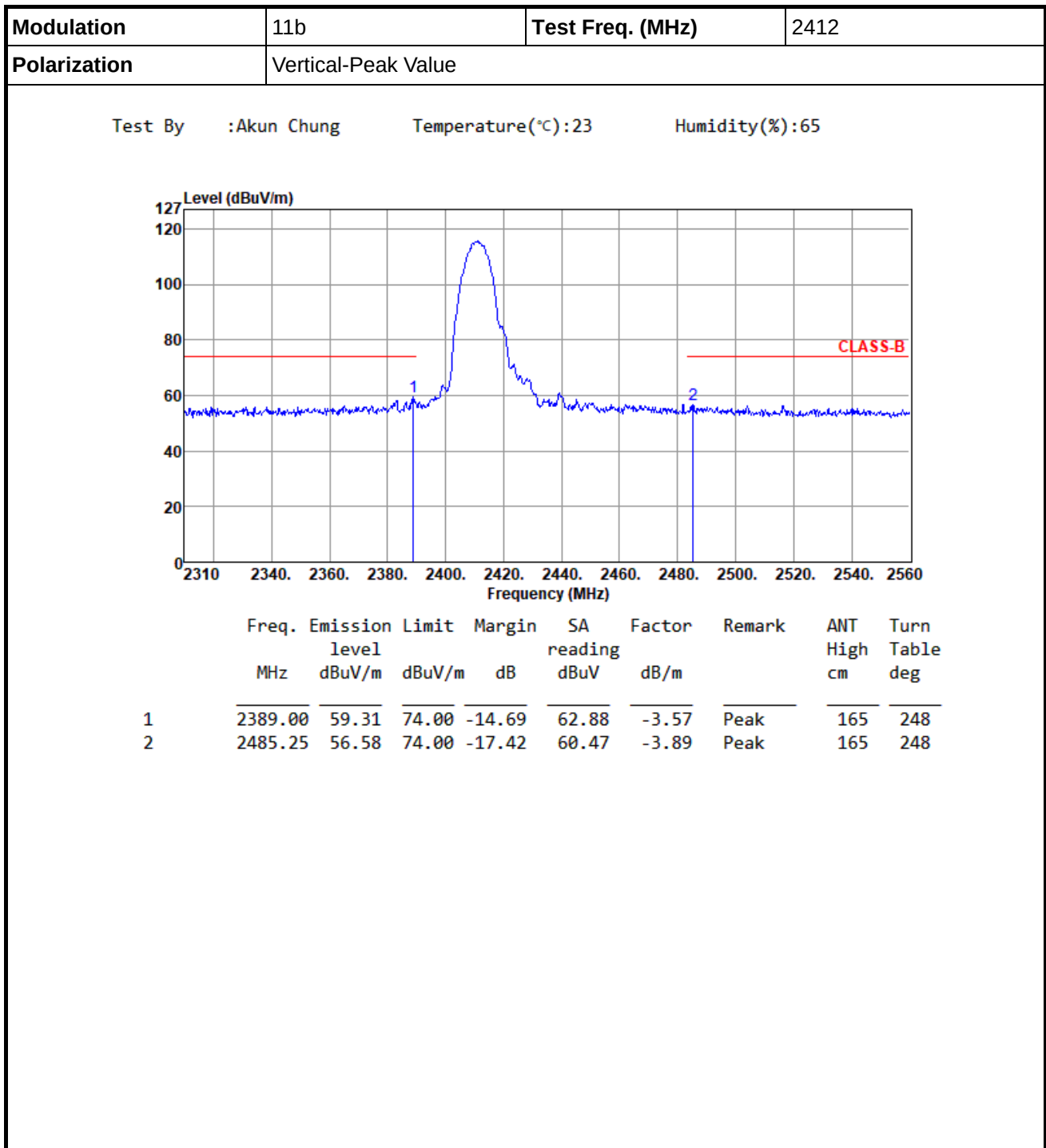
Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			

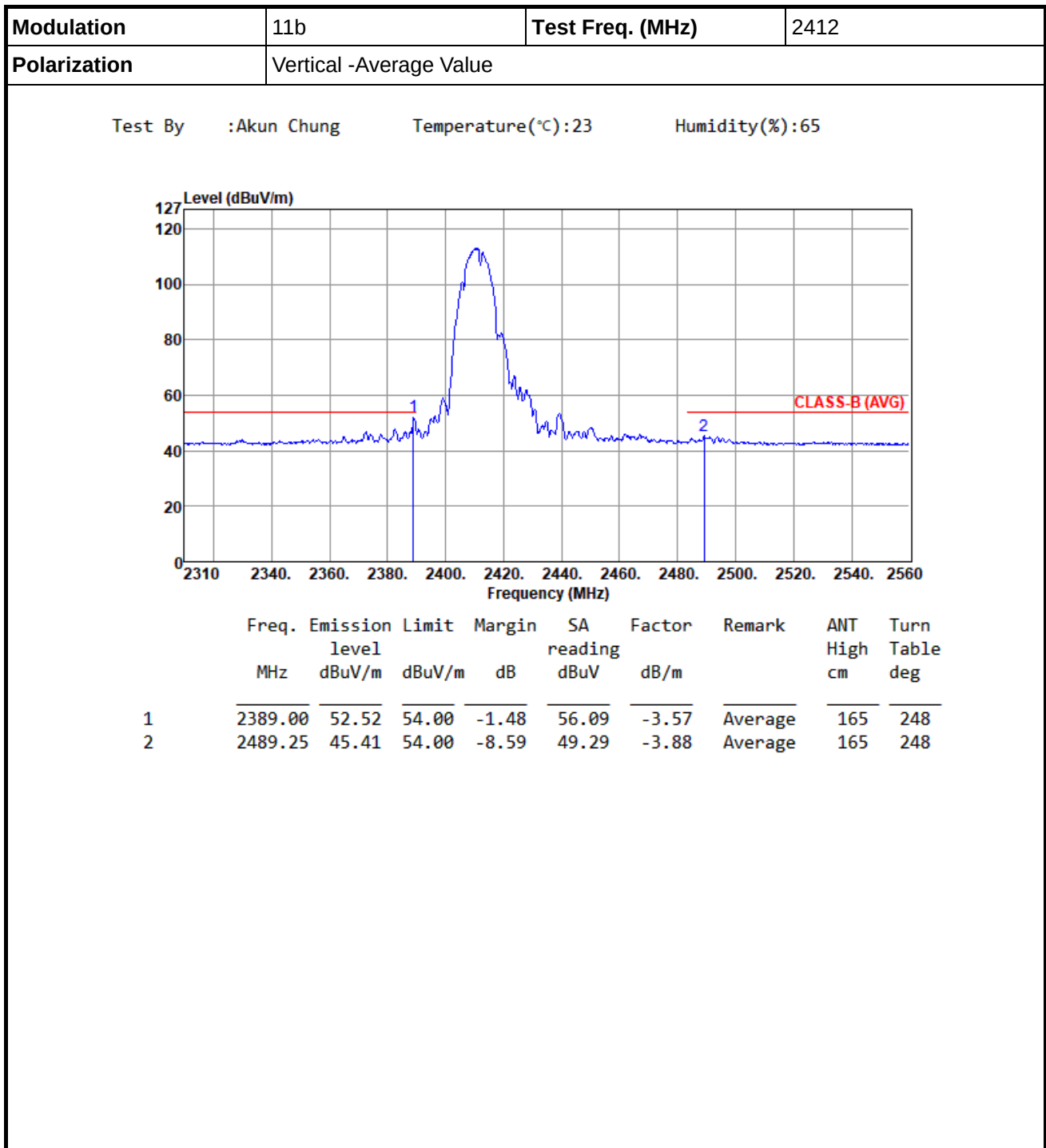


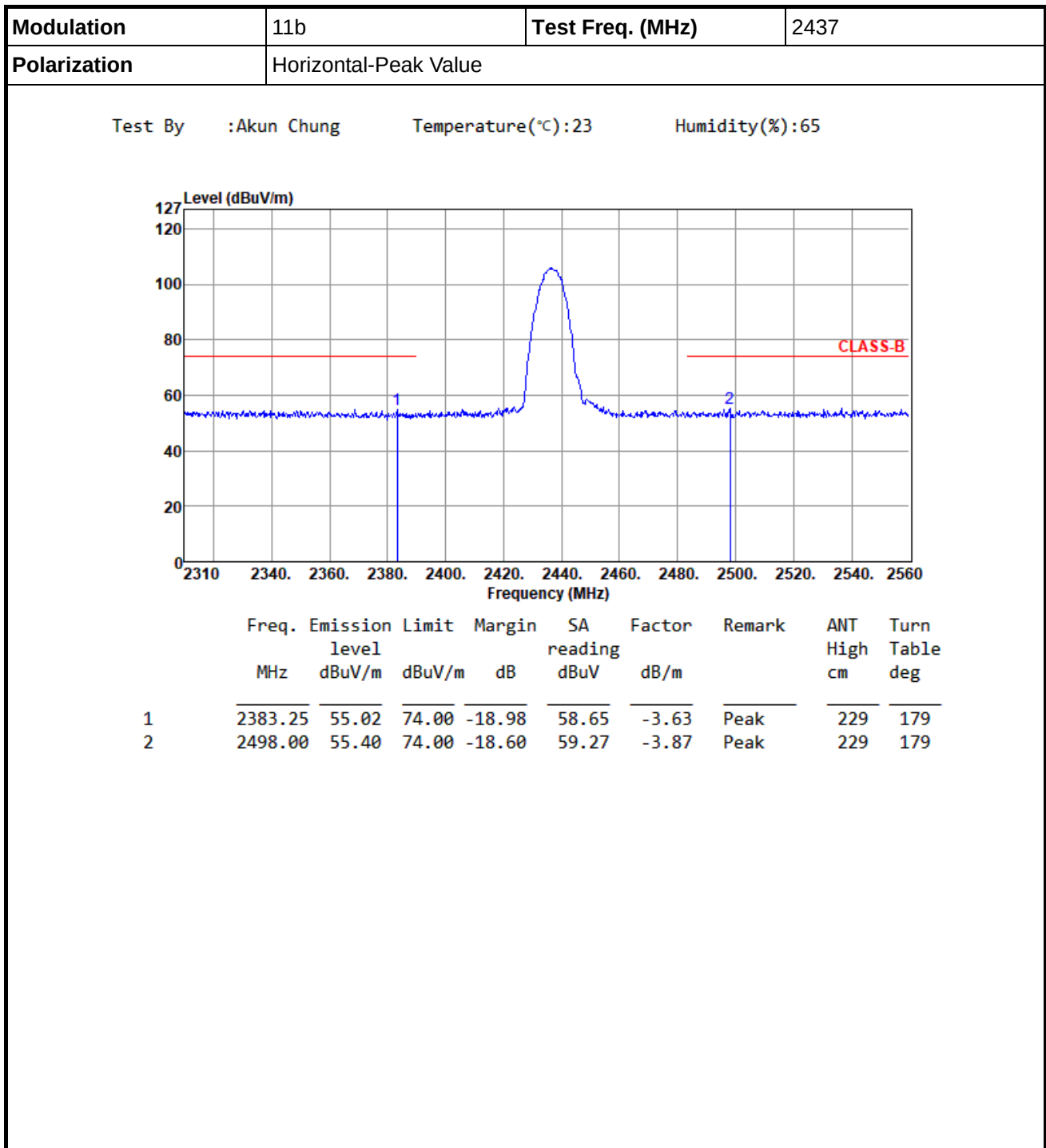
Modulation	ax HE40	Test Freq. (MHz)	2452
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):64			
Level (dBuV/m) <			

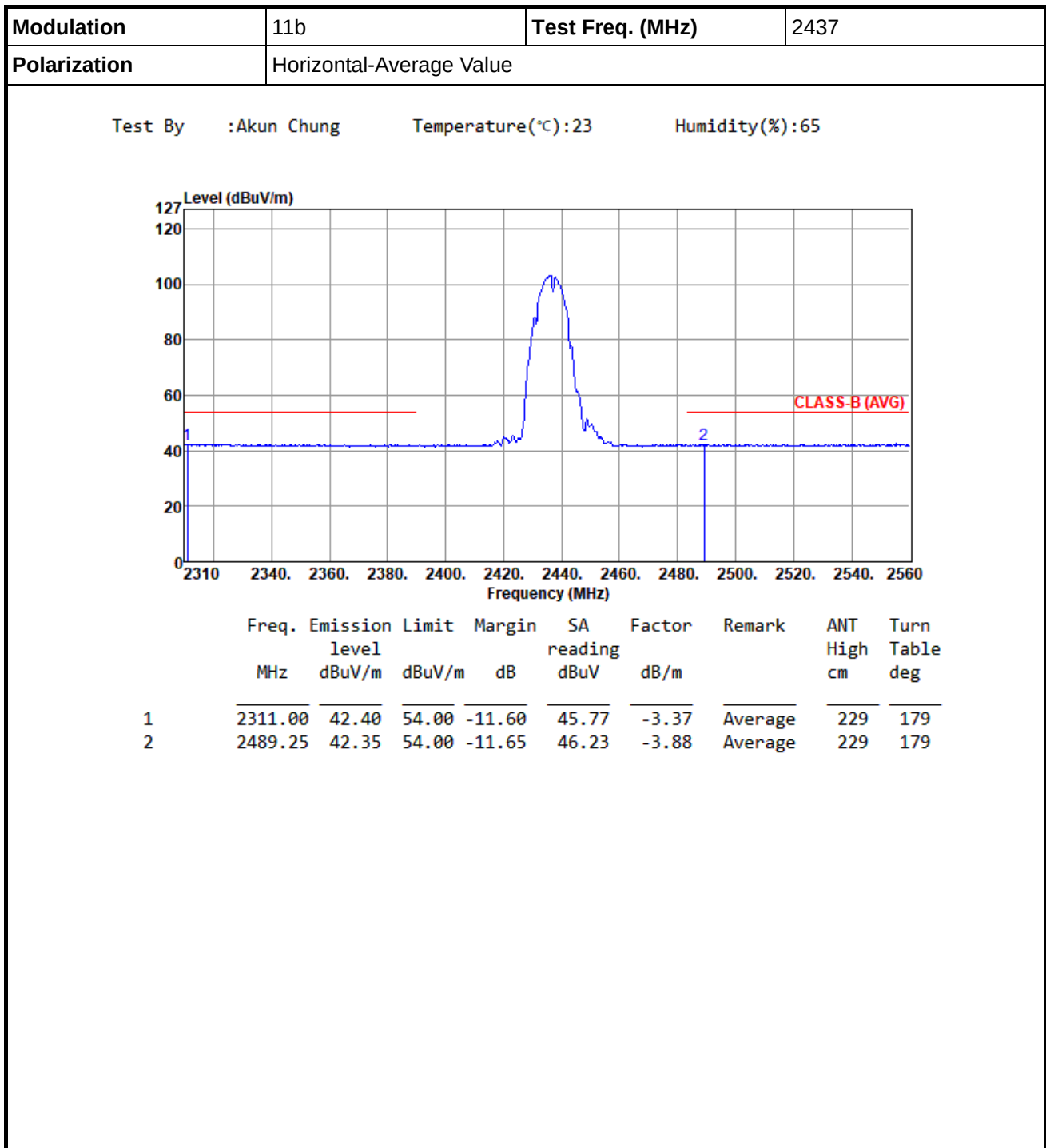


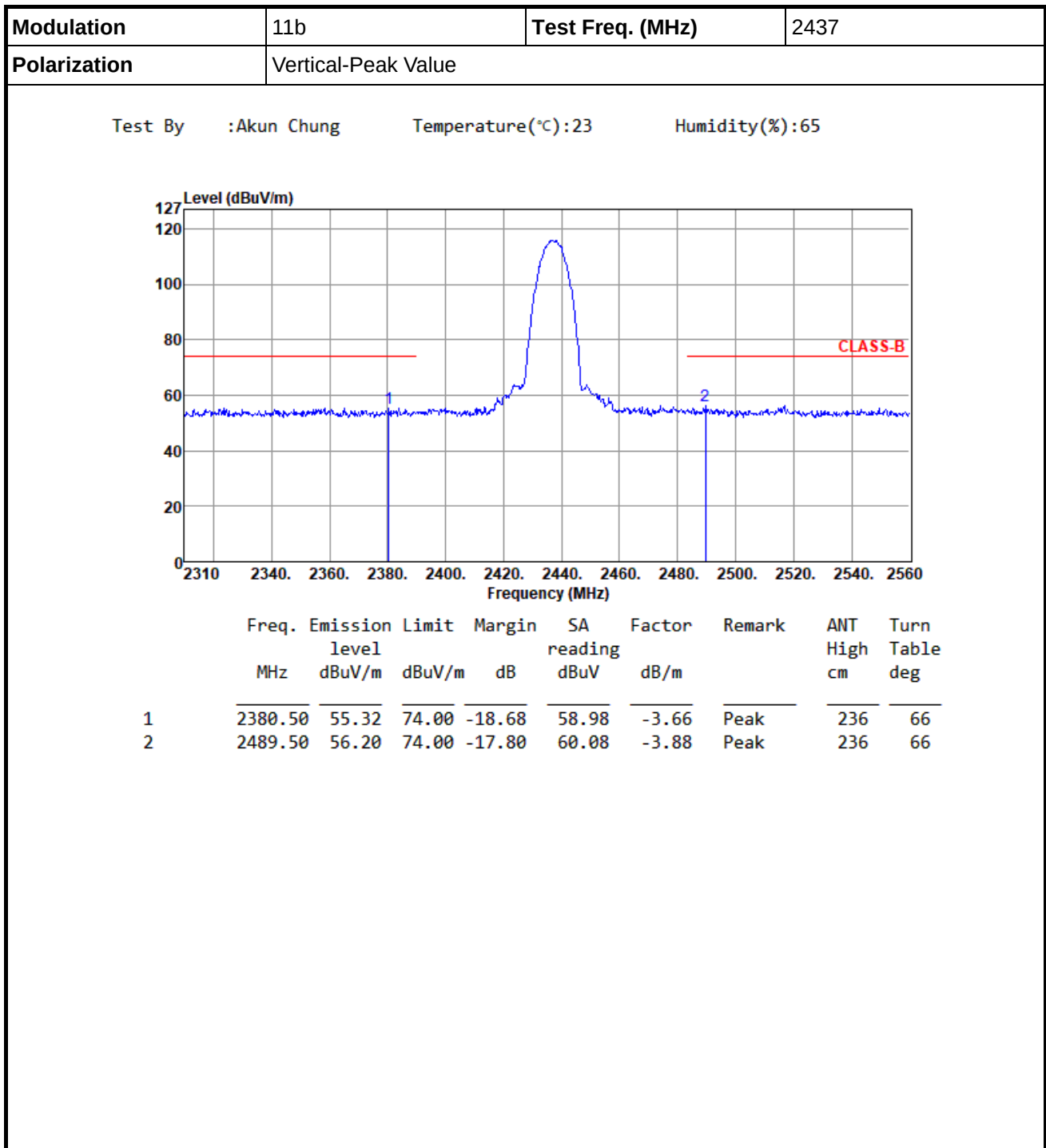


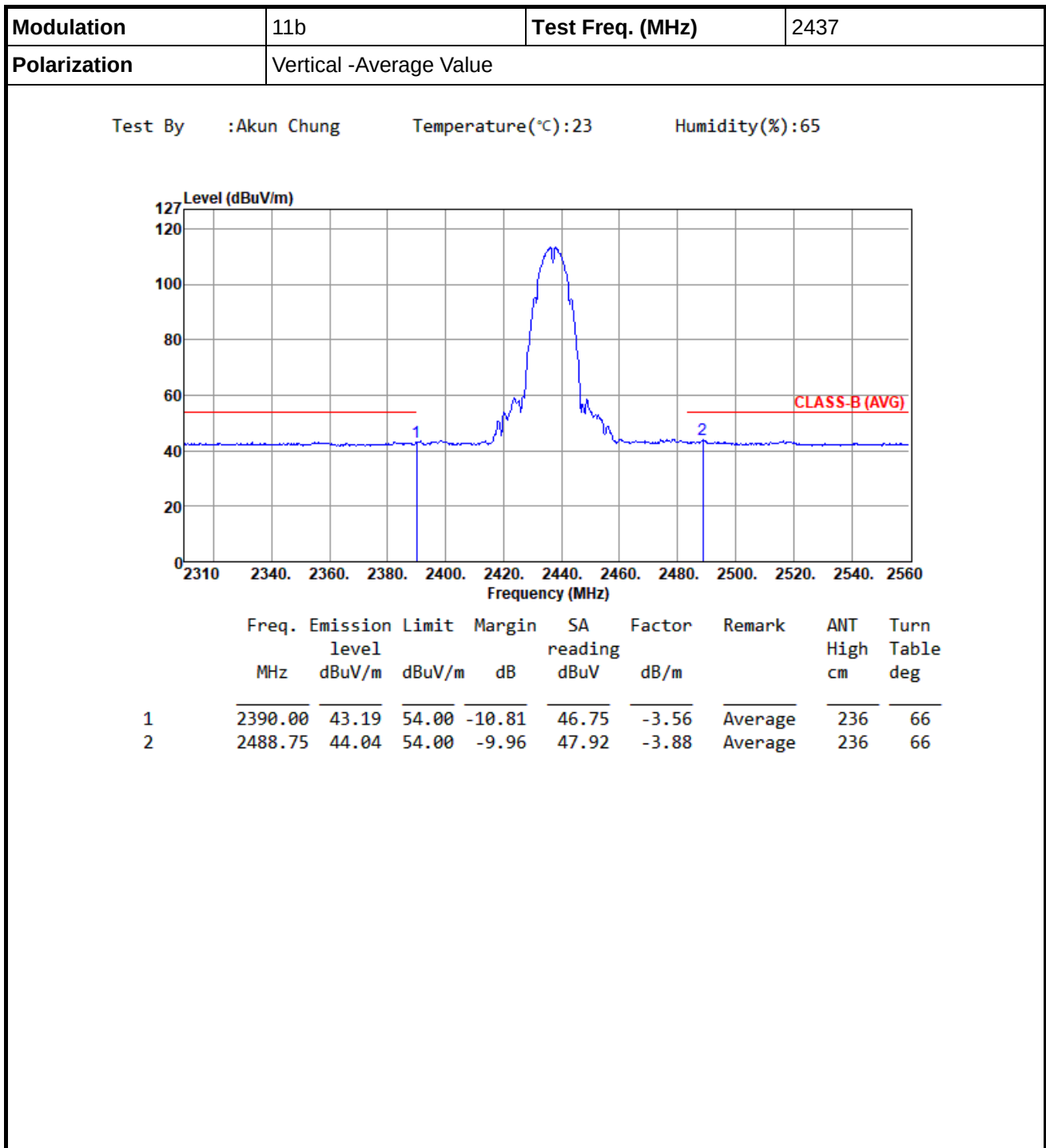


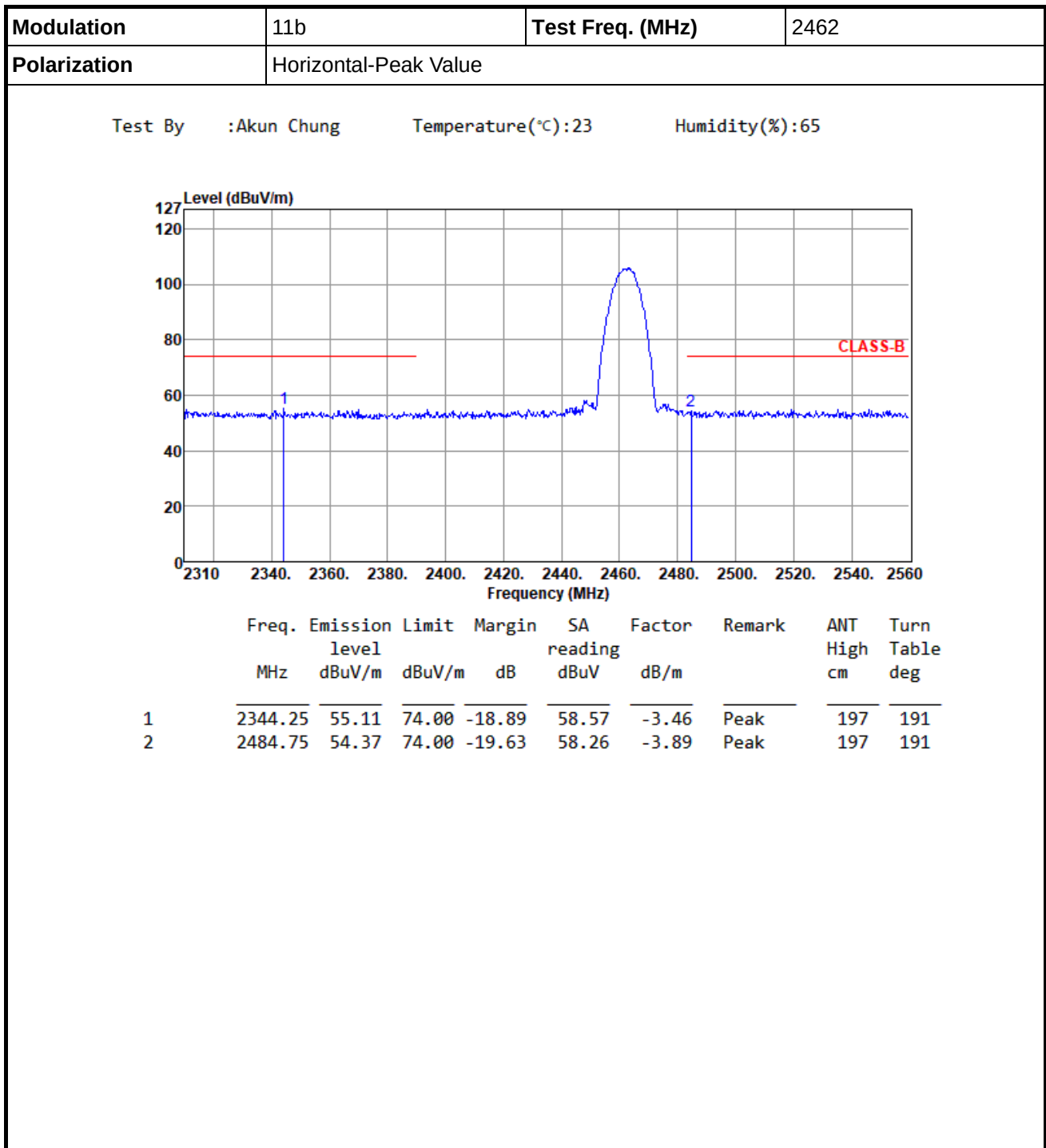


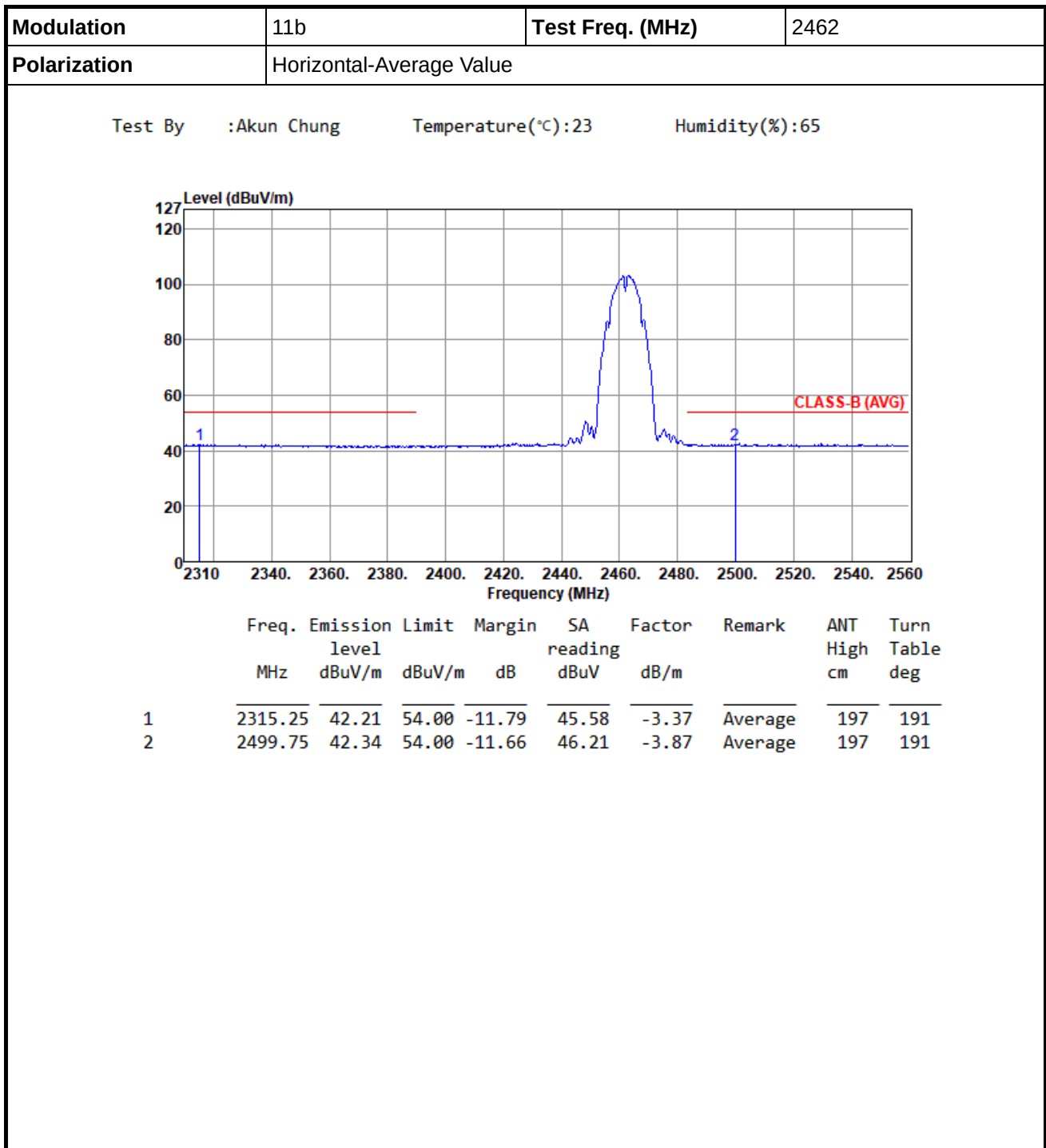


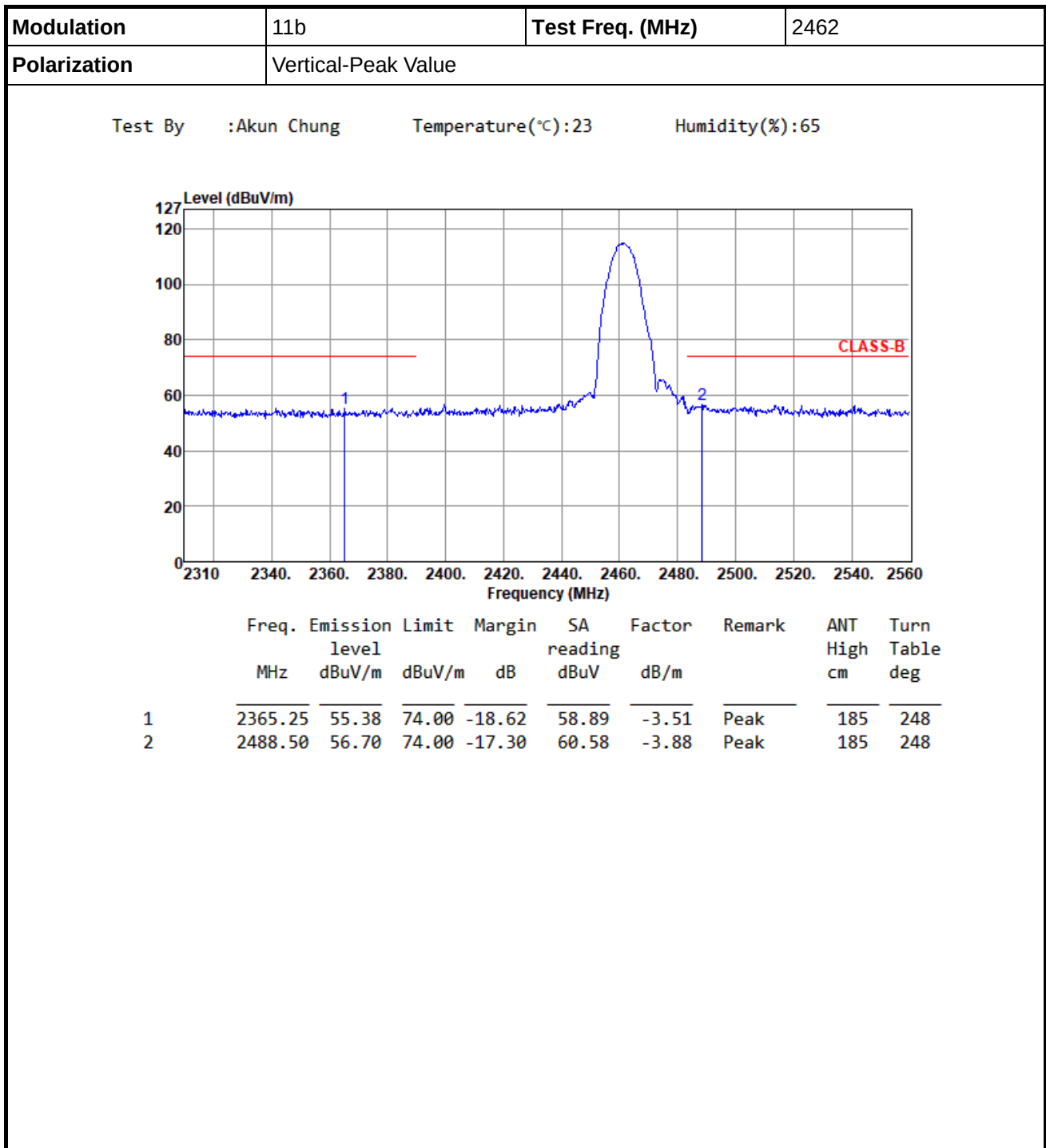


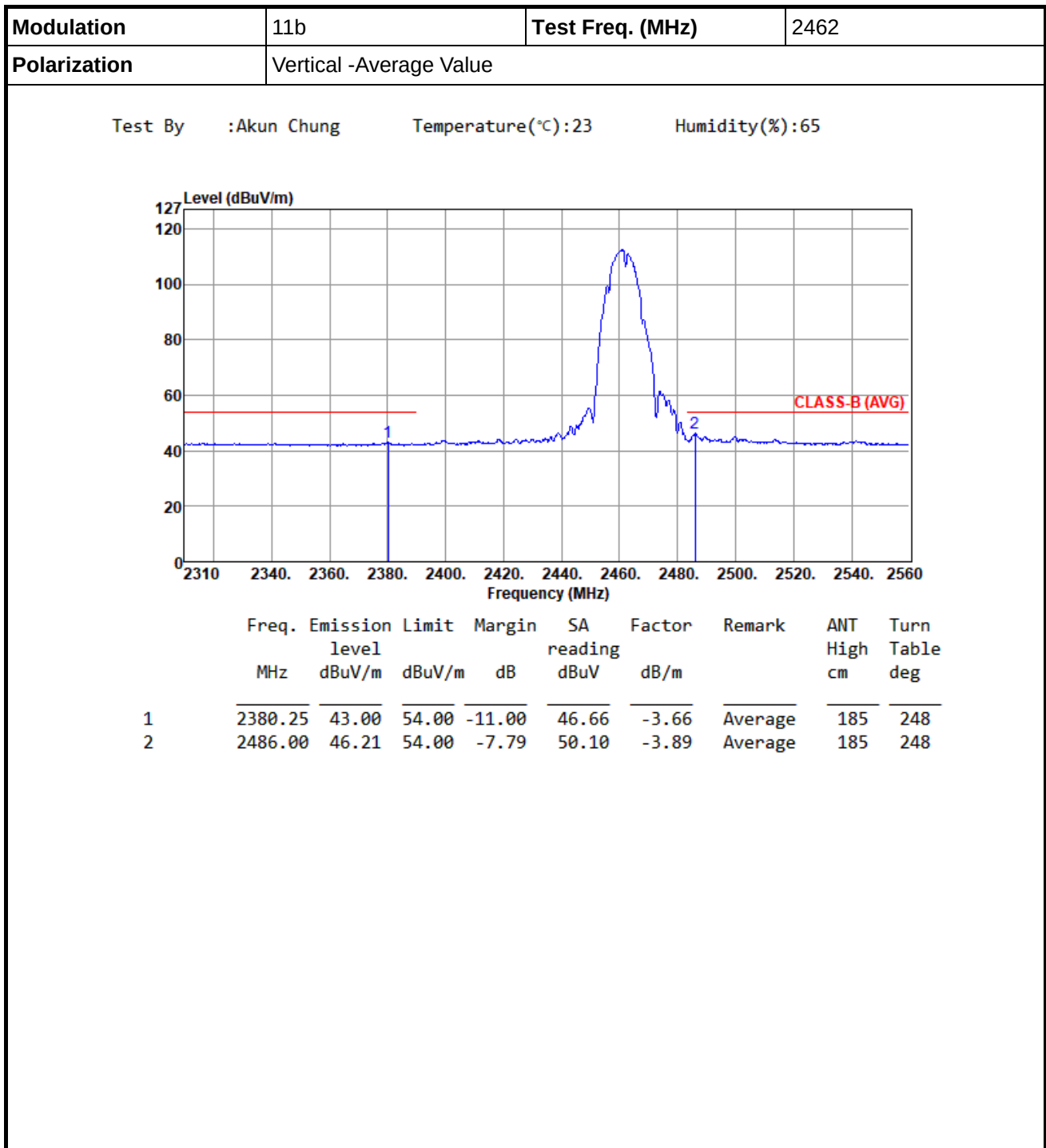


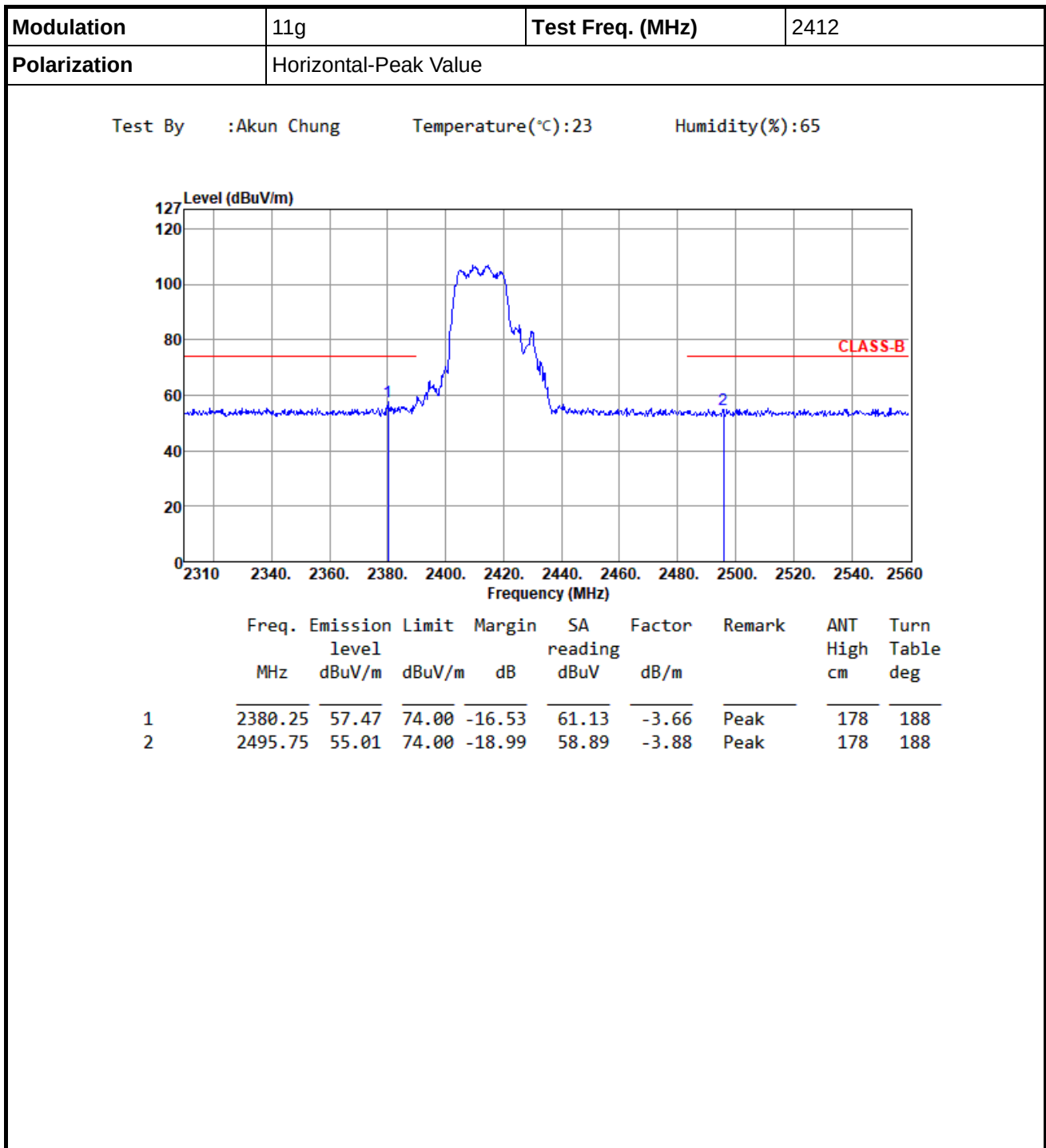


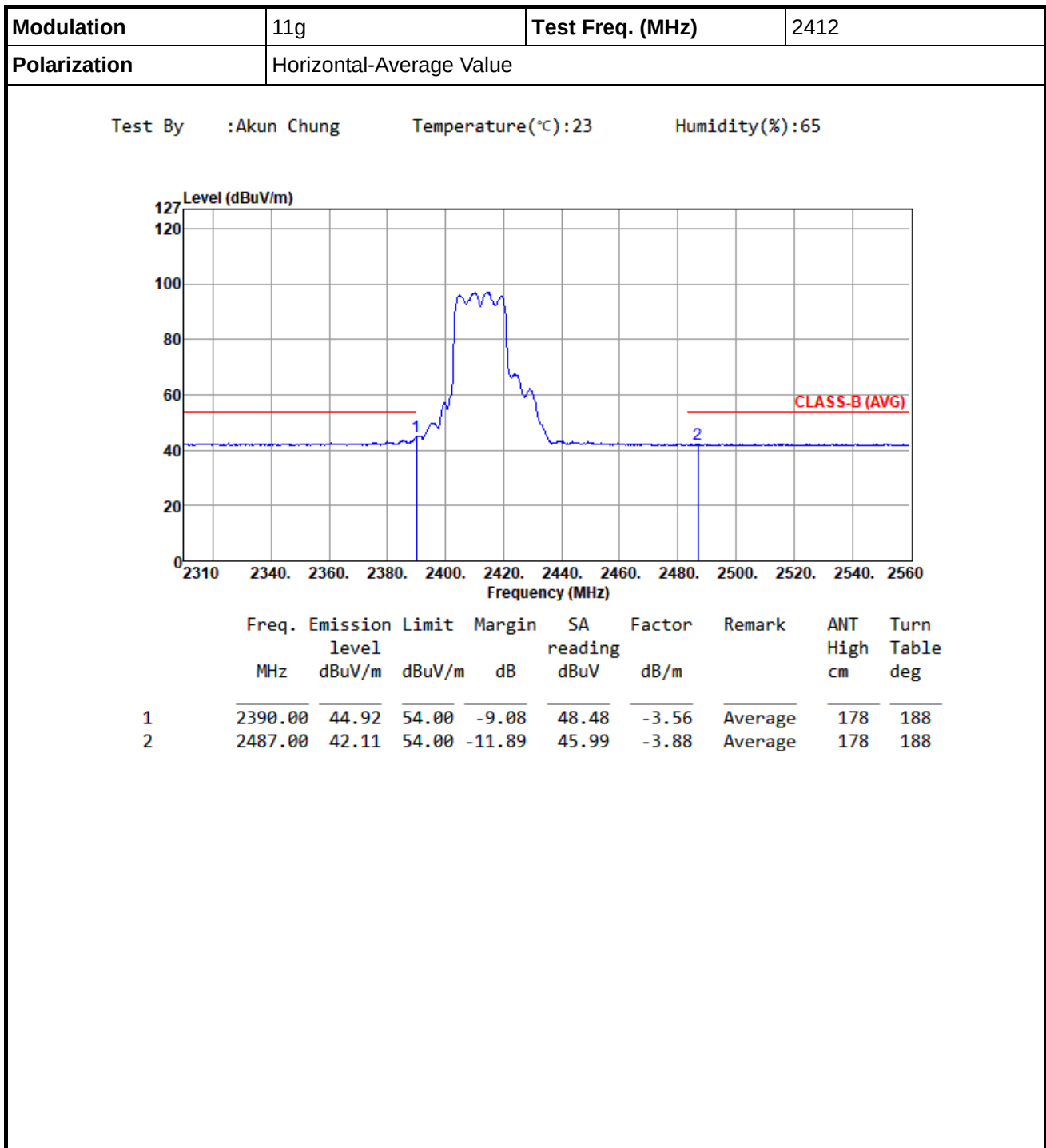


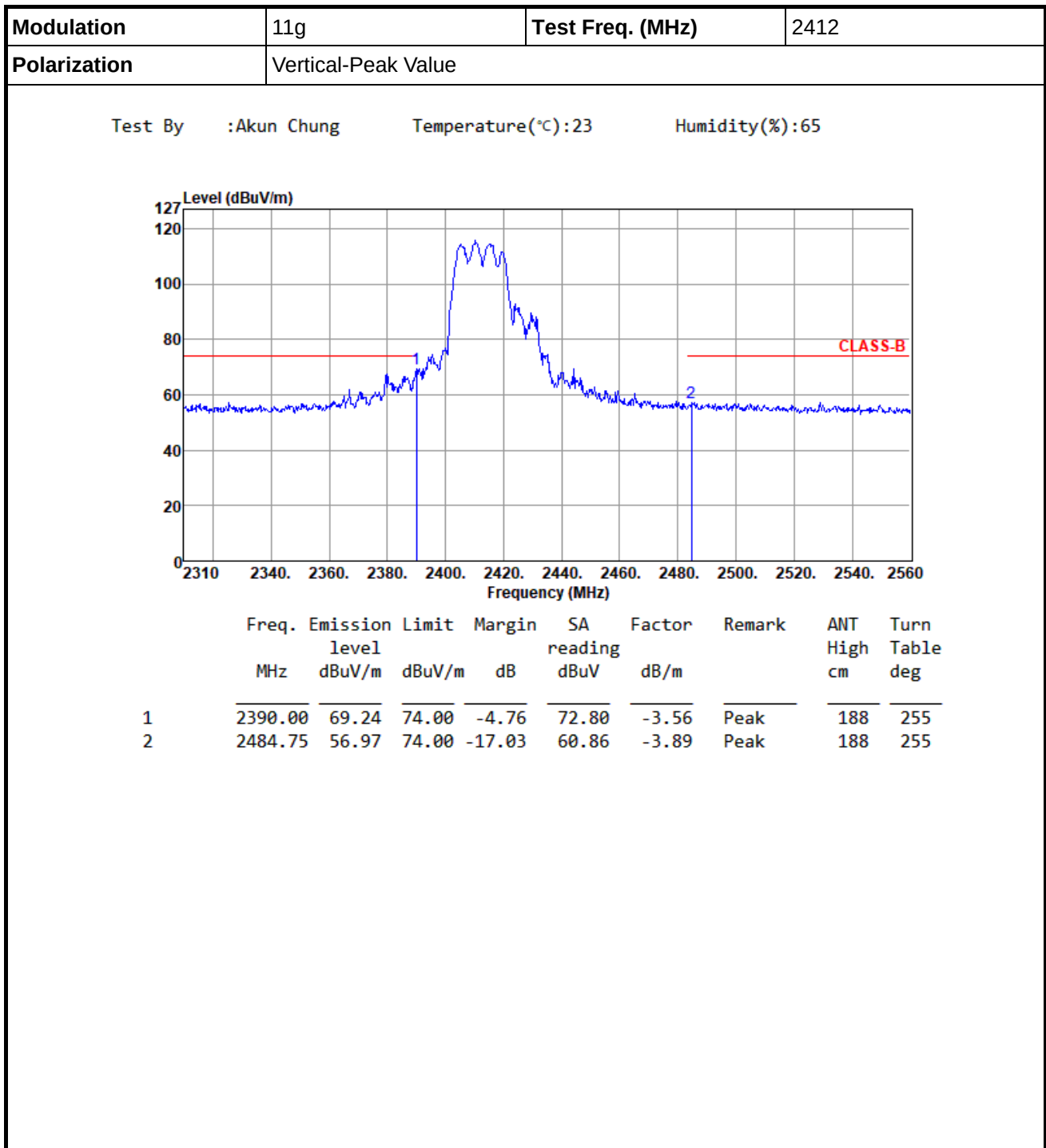










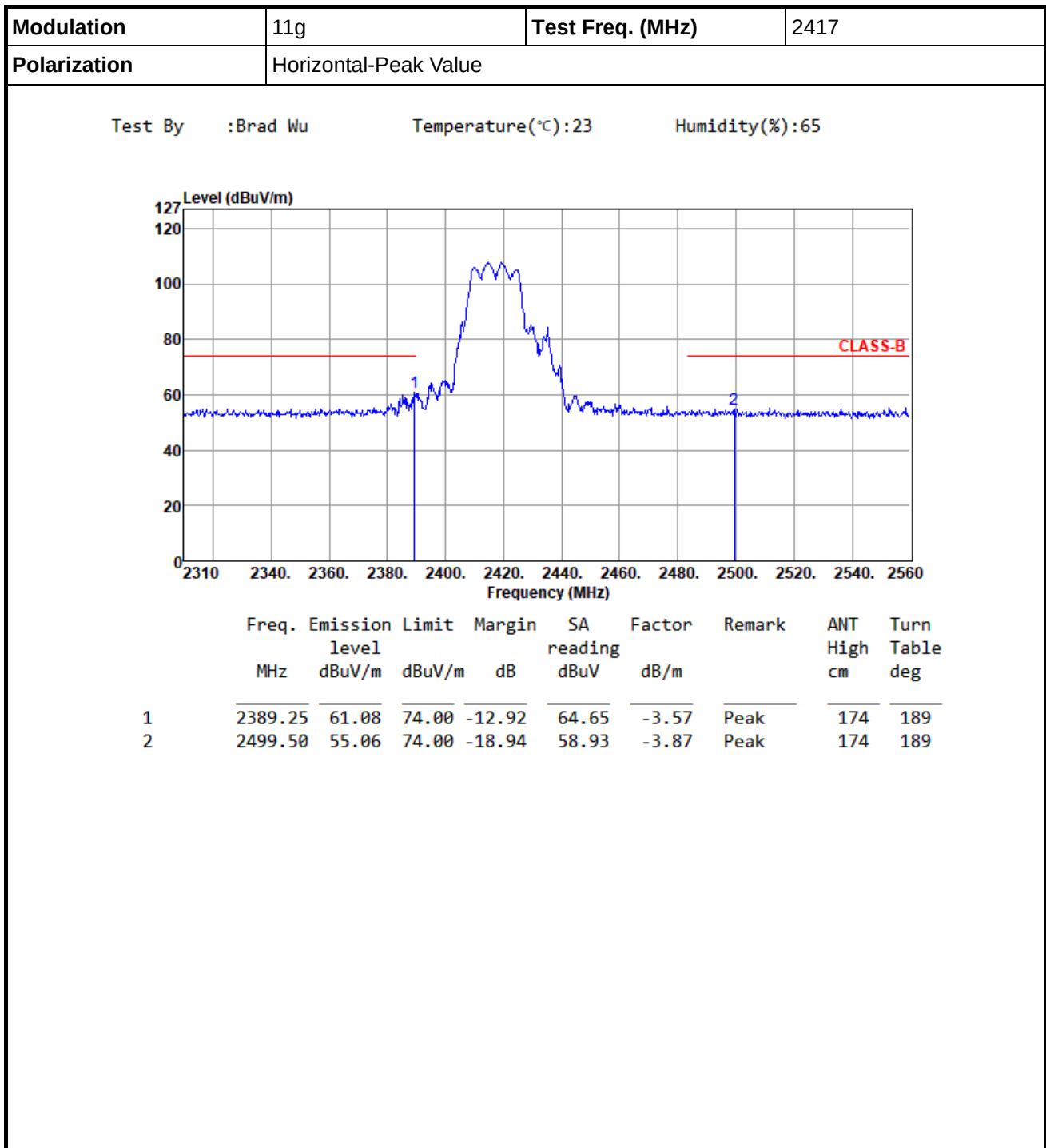


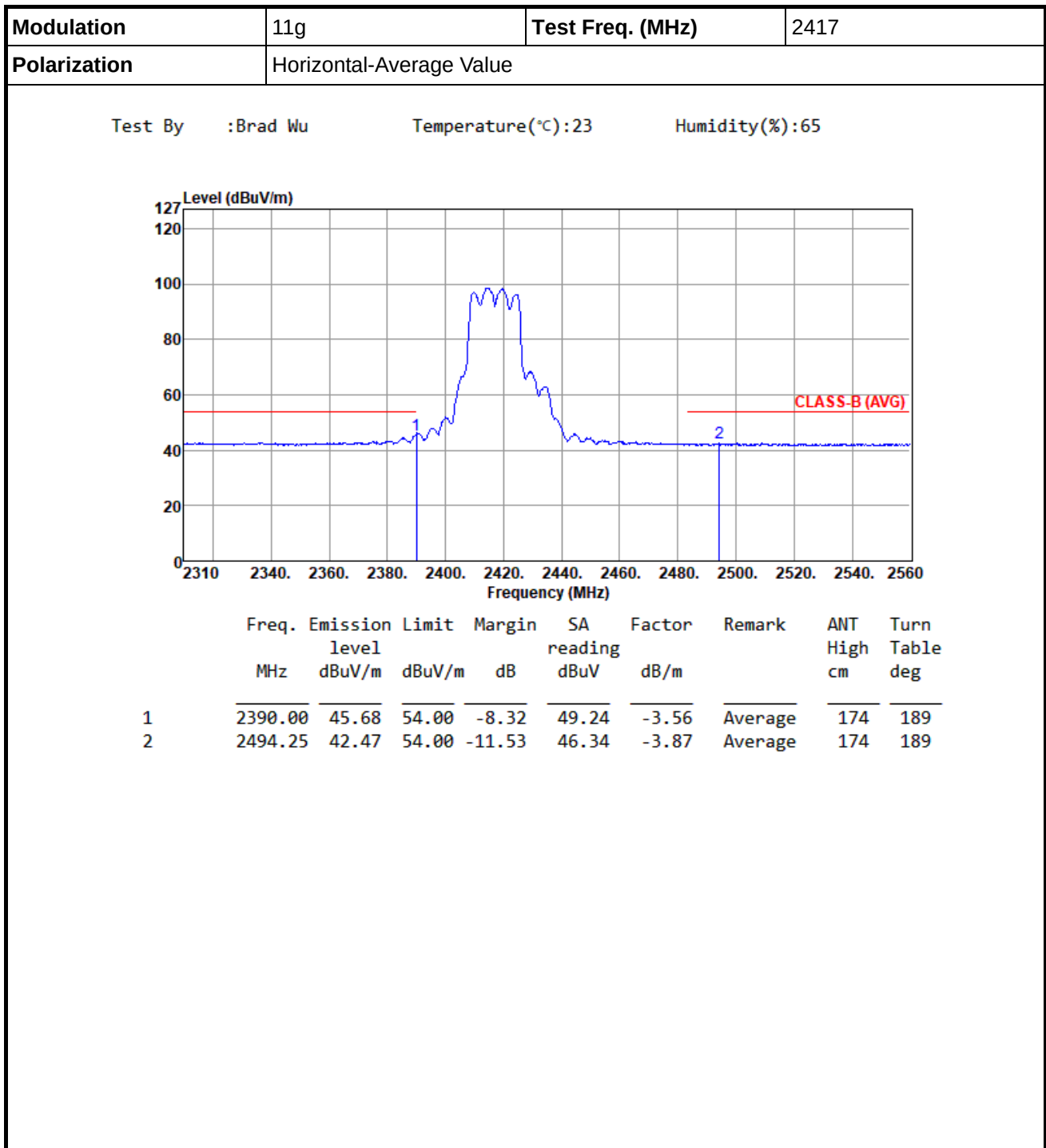


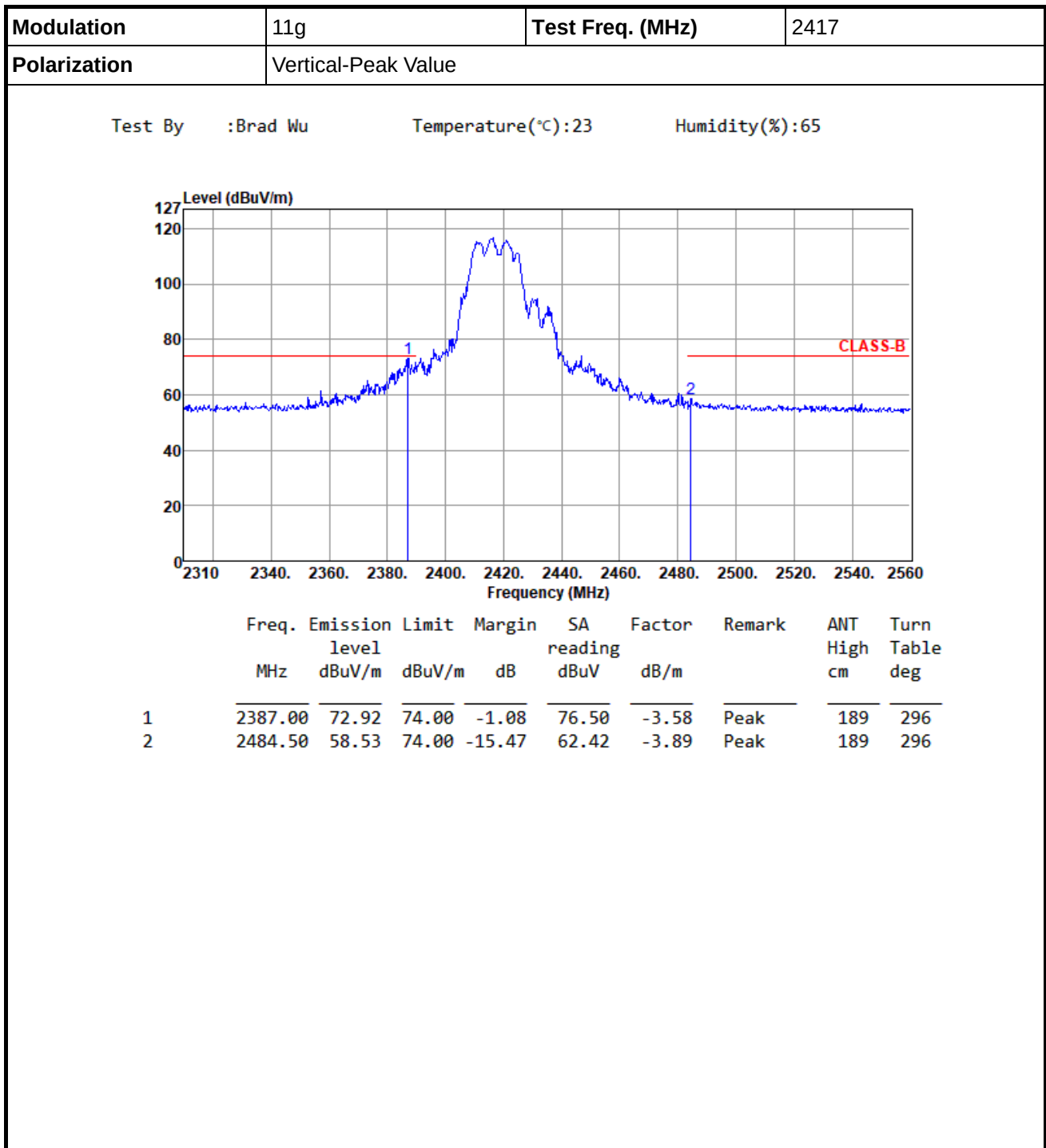
Band Edge measurement

Appendix D

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical -Average Value		
Test By :Akun Chung Temperature(°C):23 Humidity(%):65			
Level (dBuV/m)			



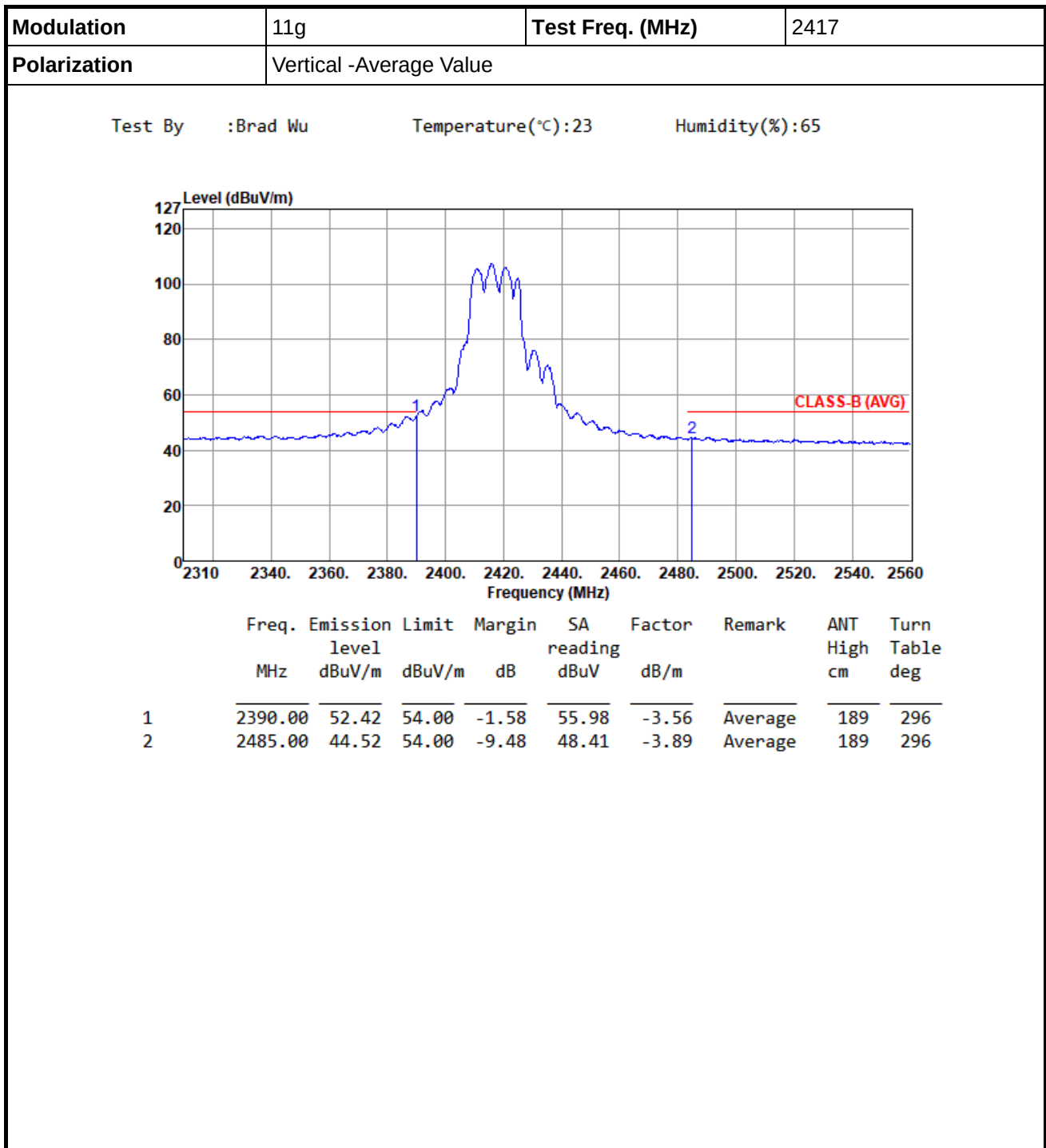


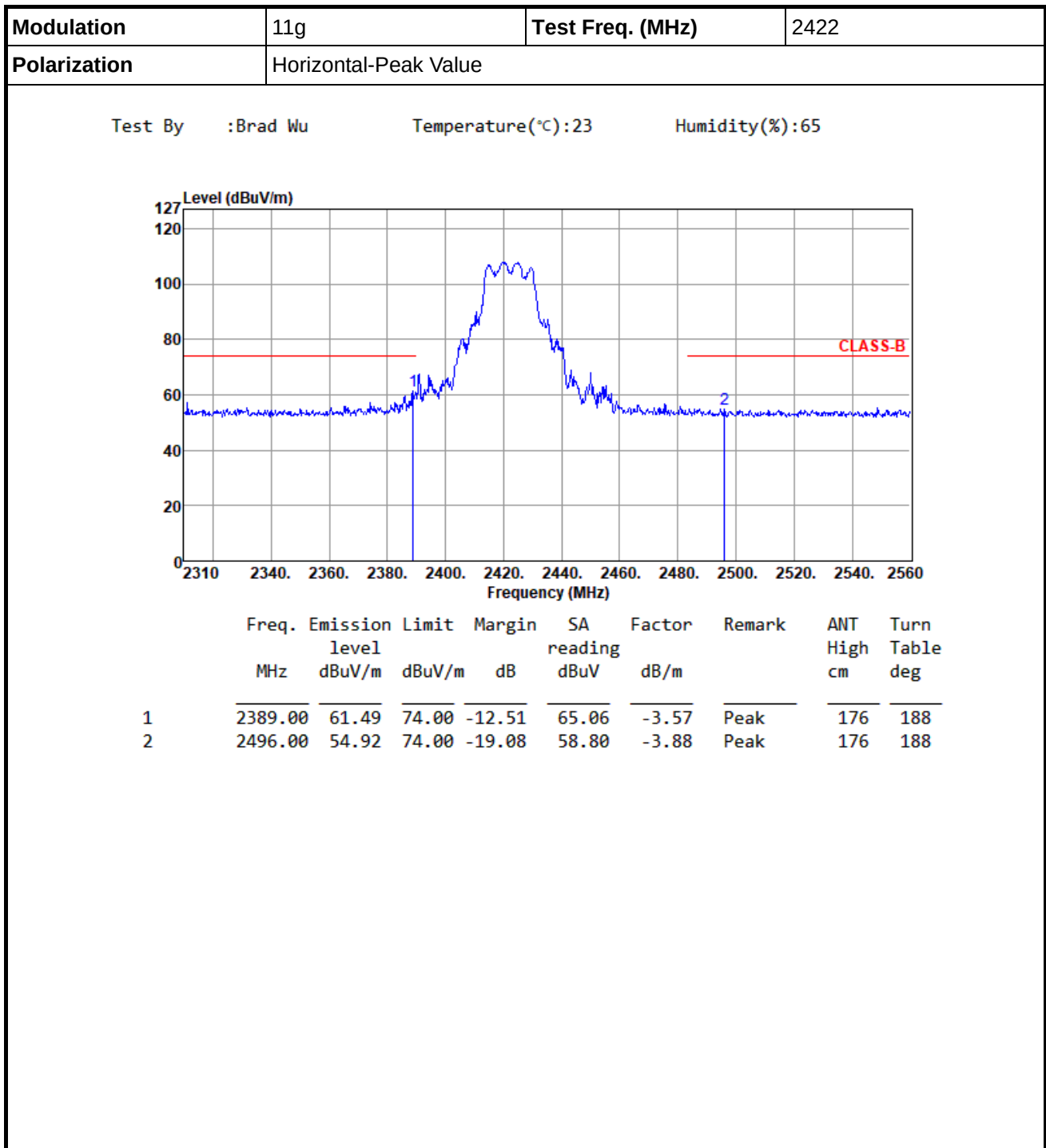


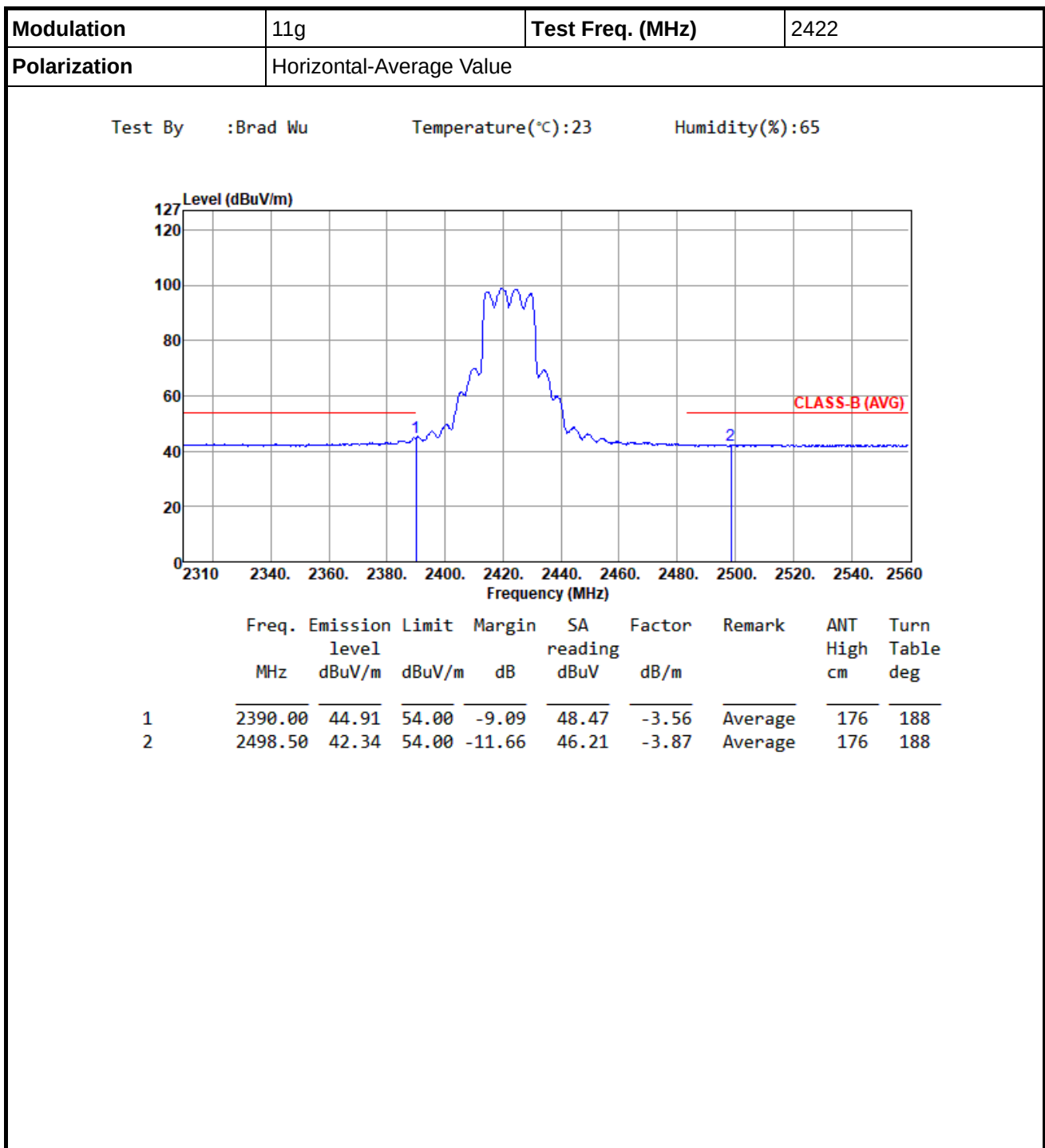


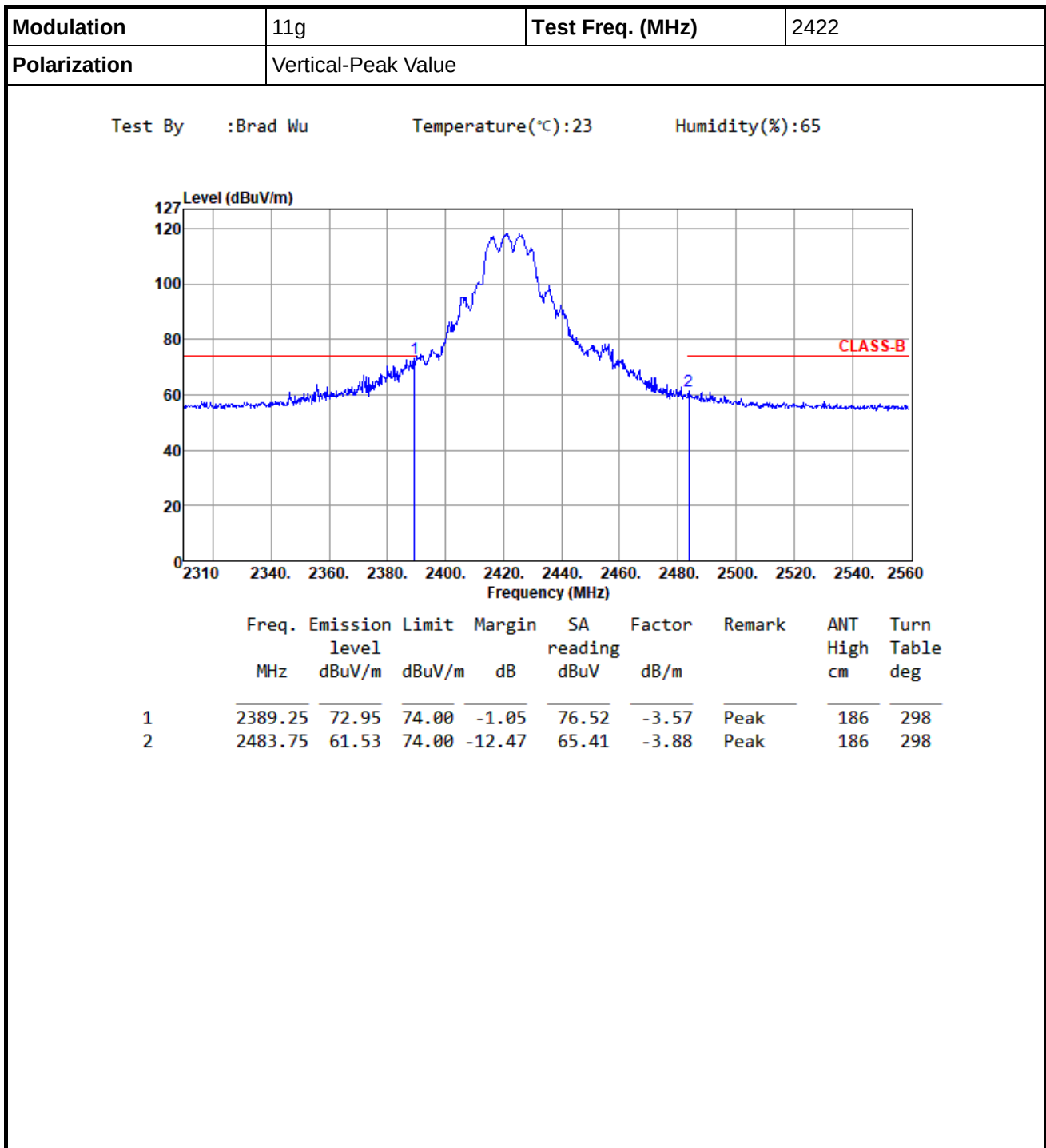
Band Edge measurement

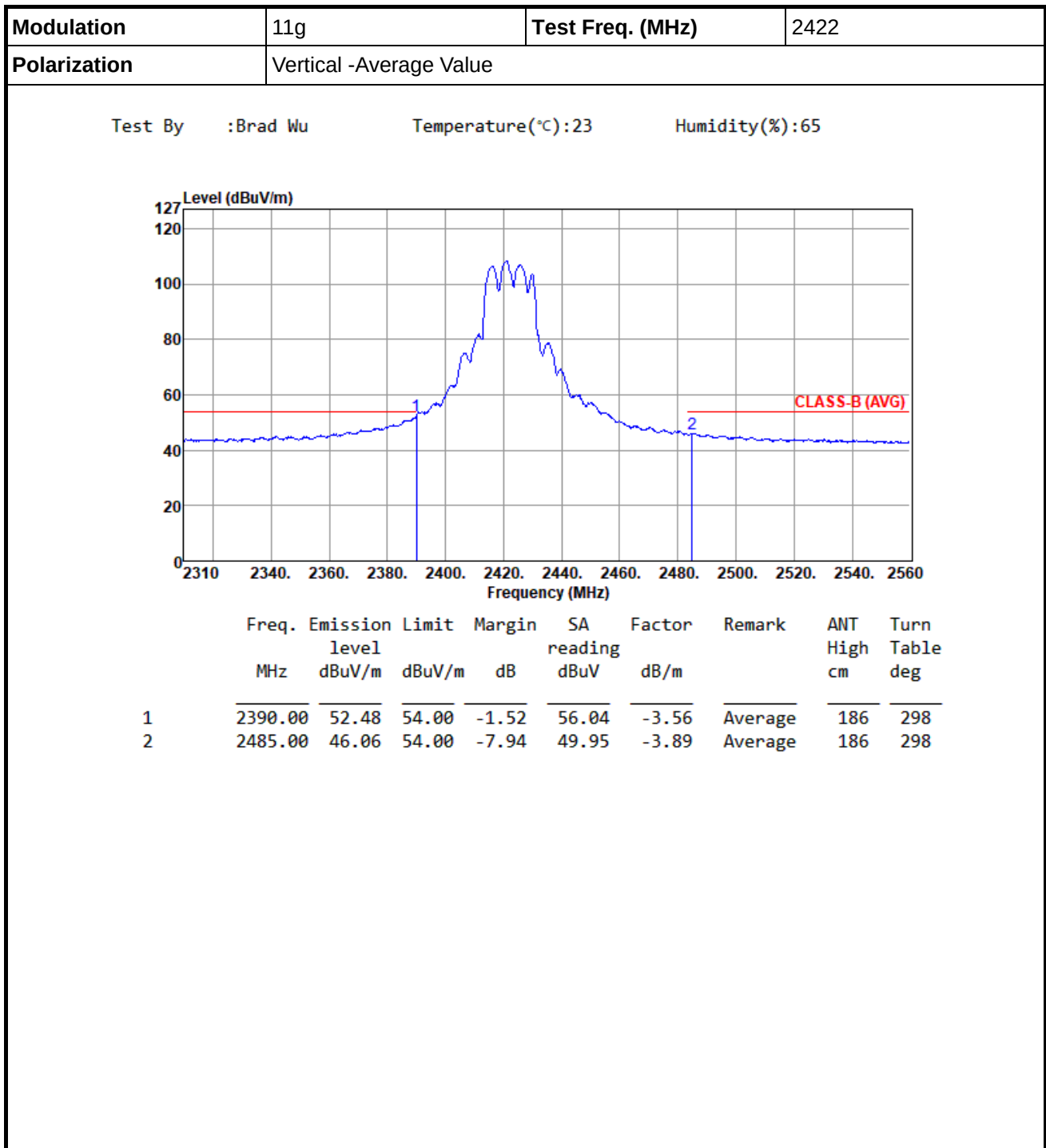
Appendix D

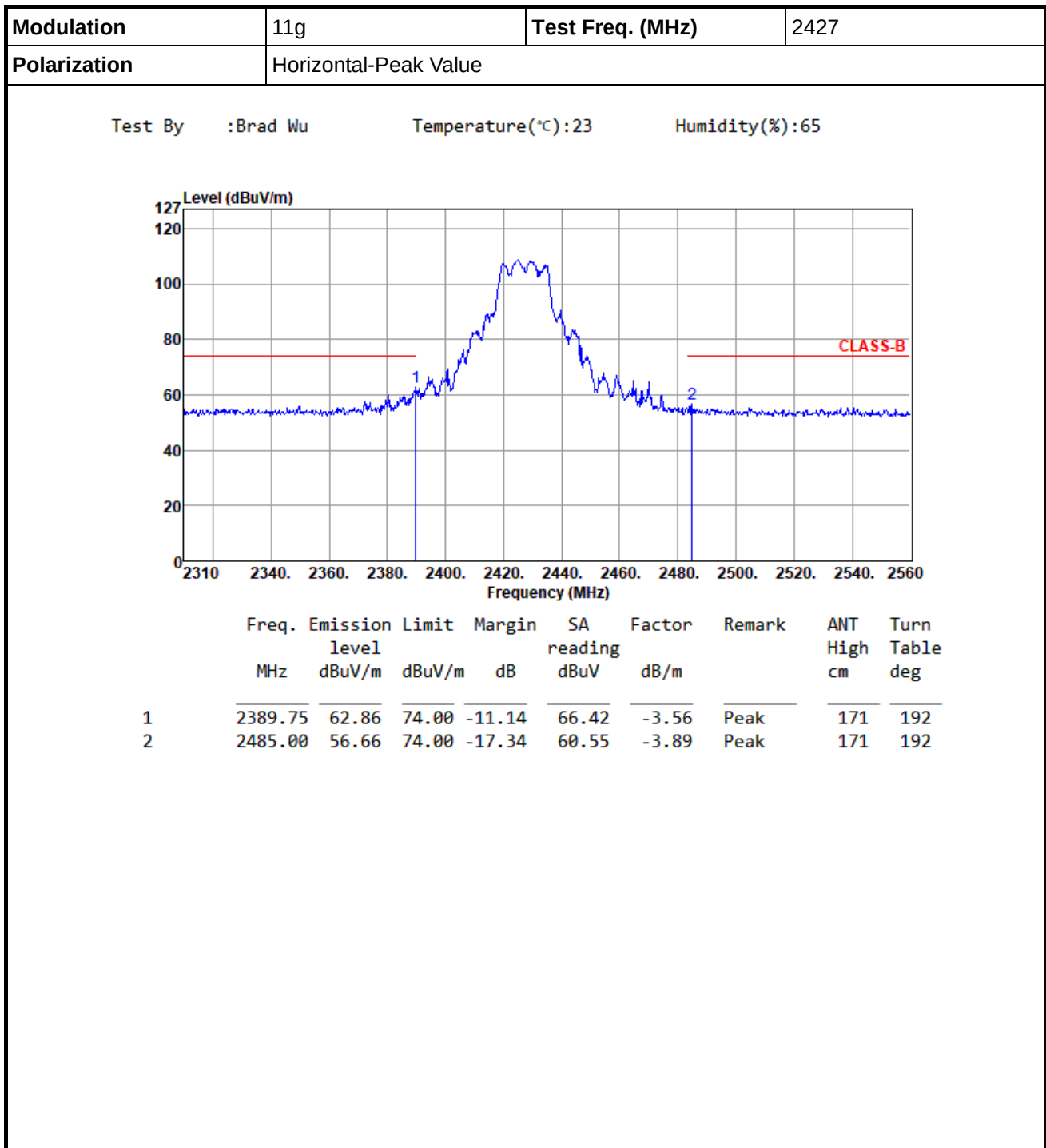


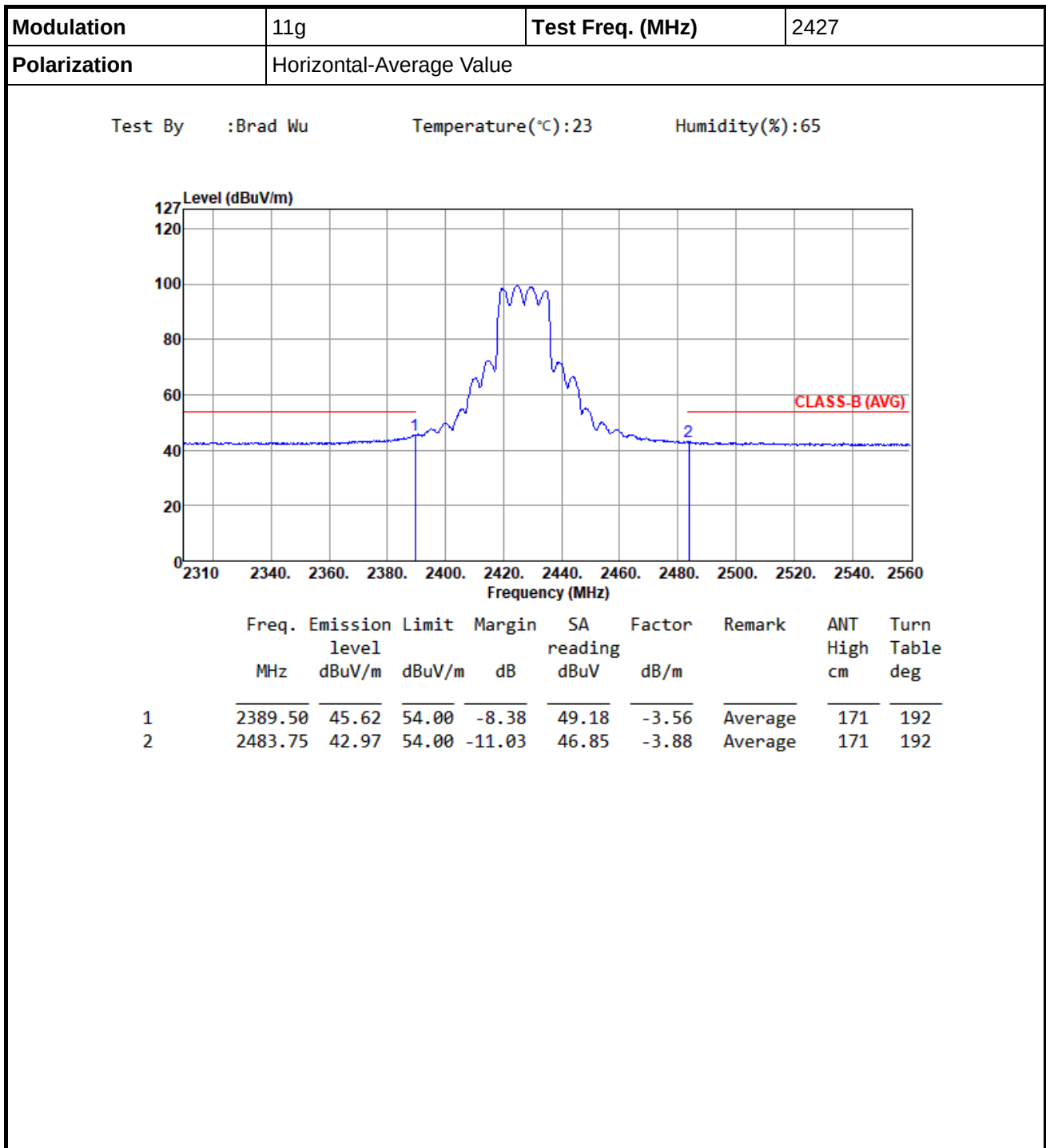


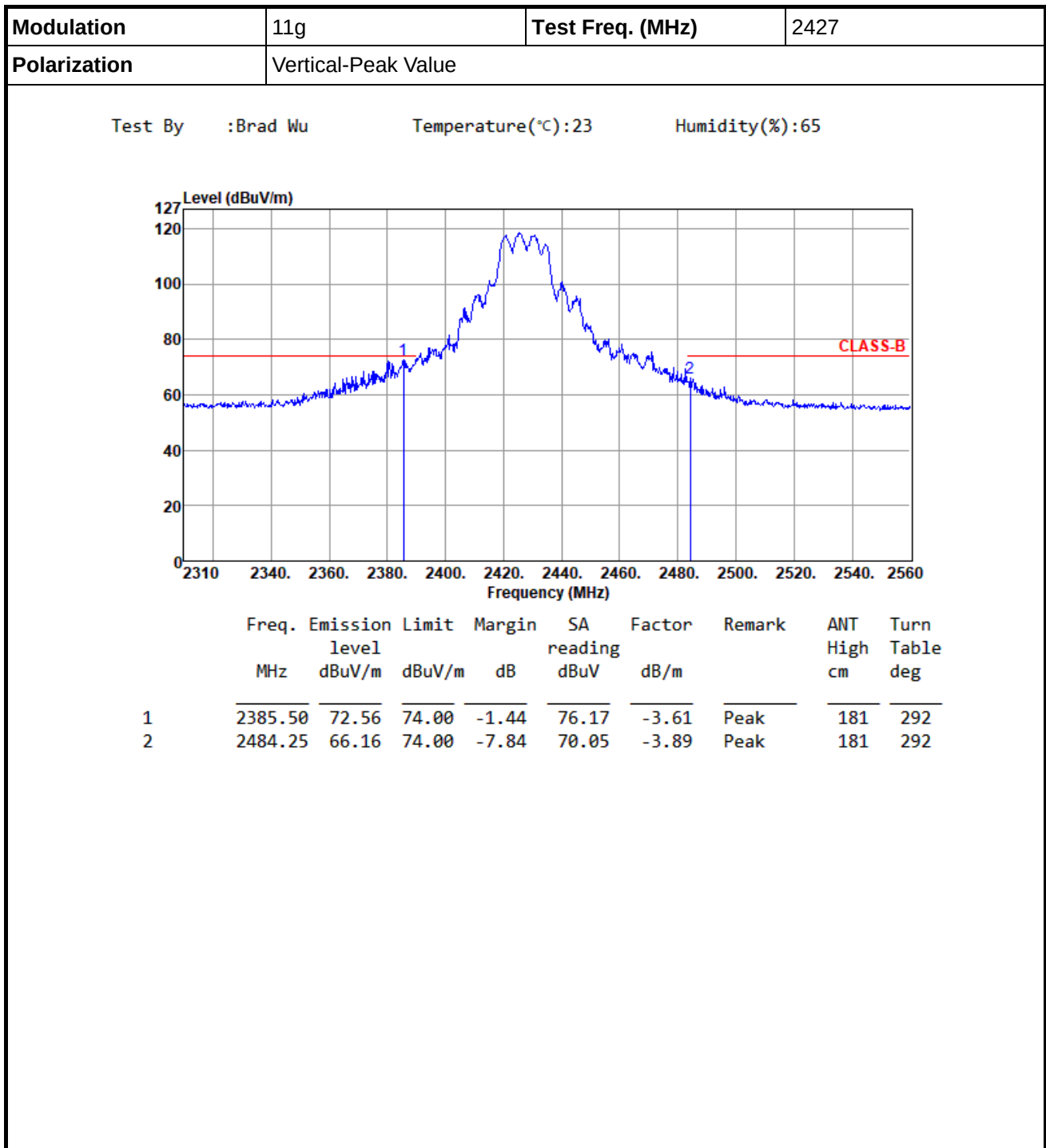








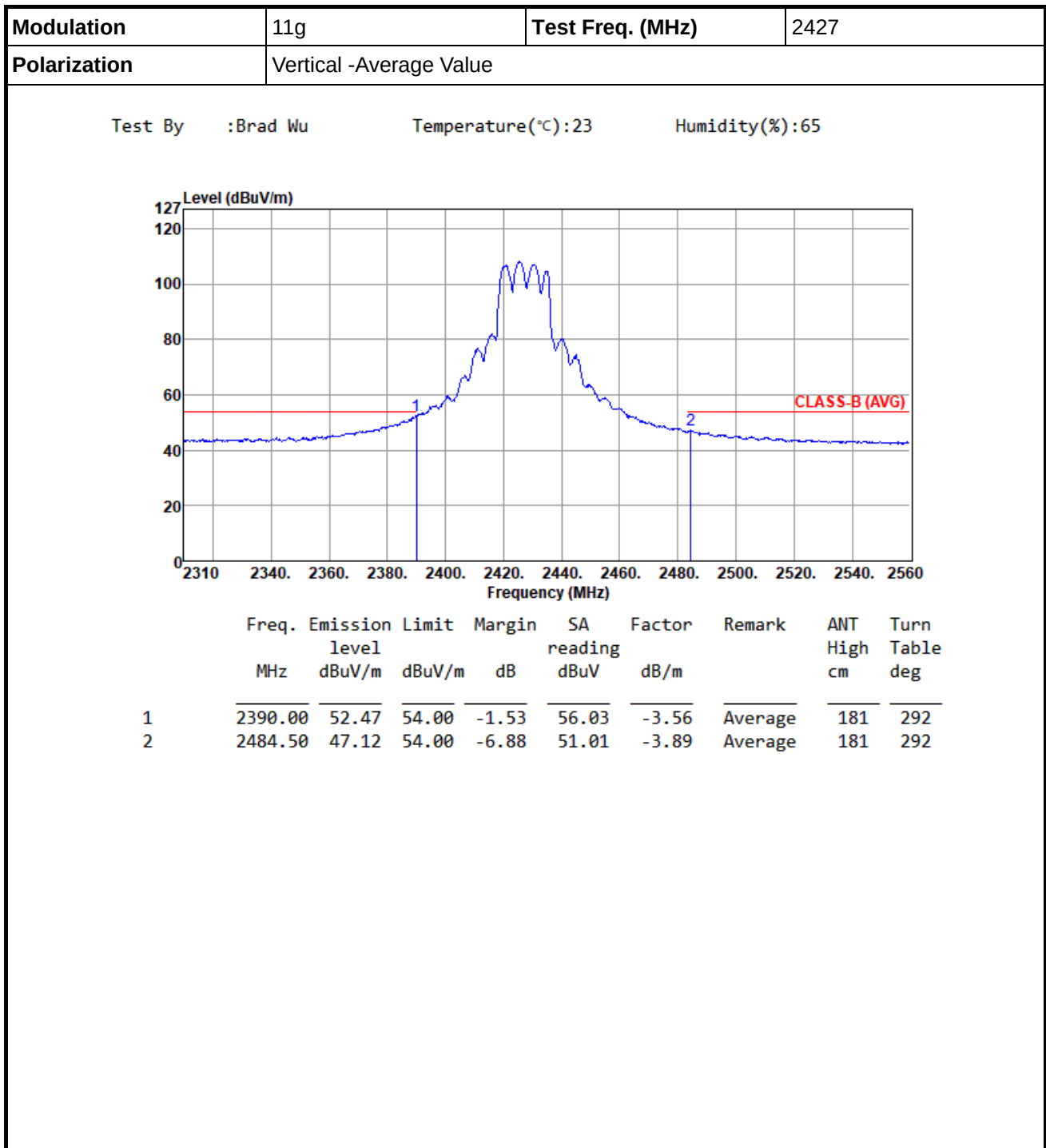


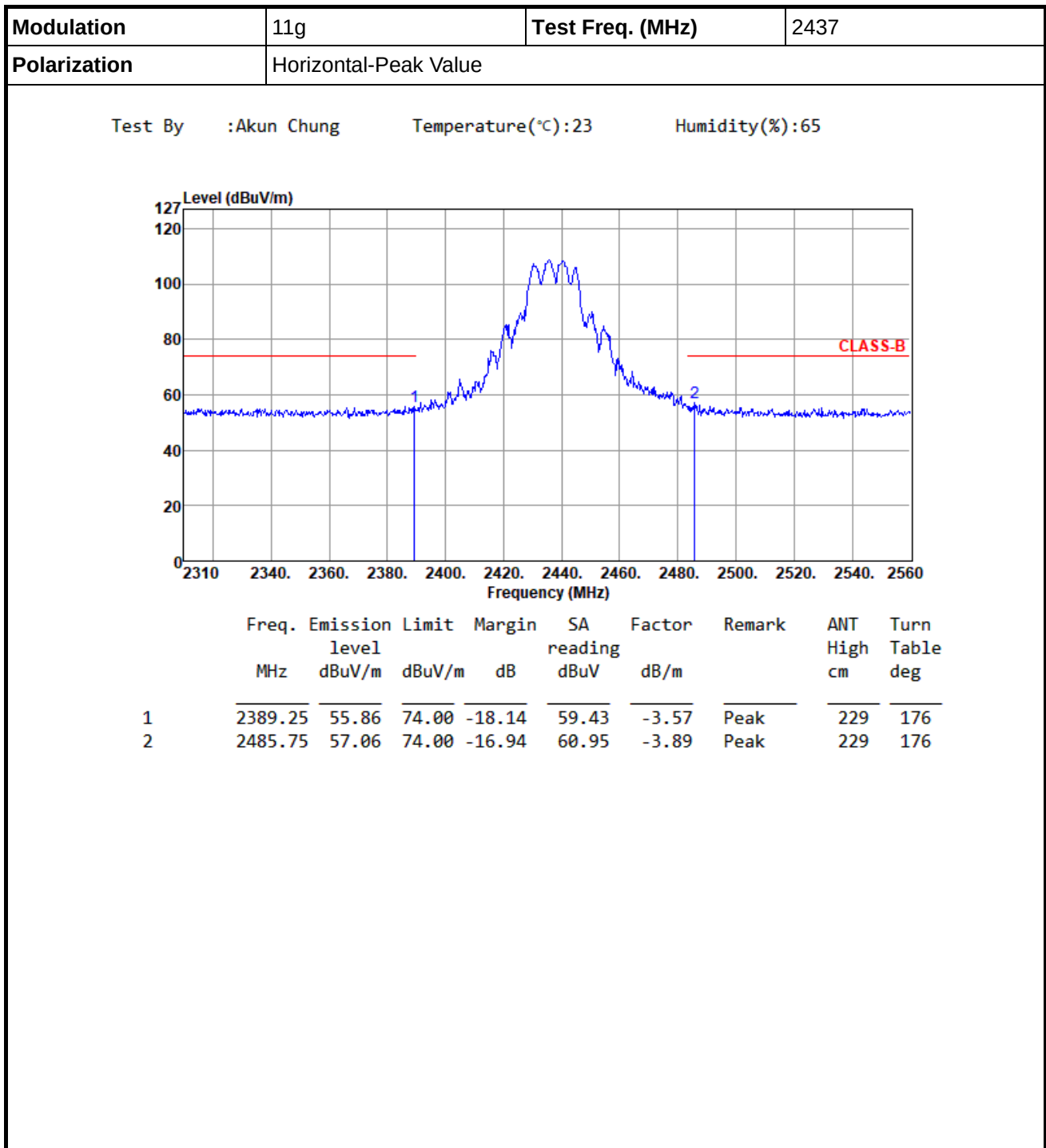


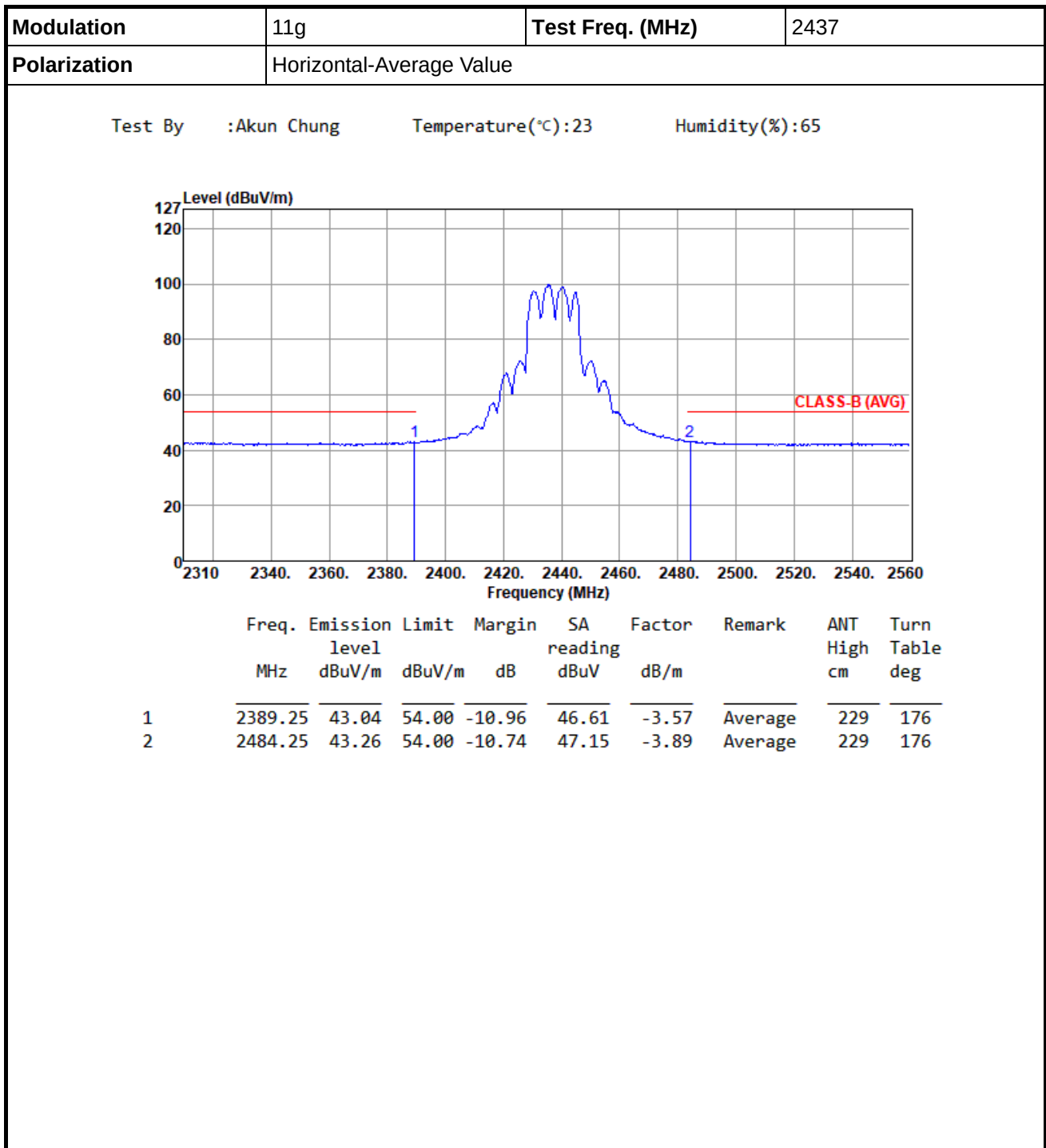


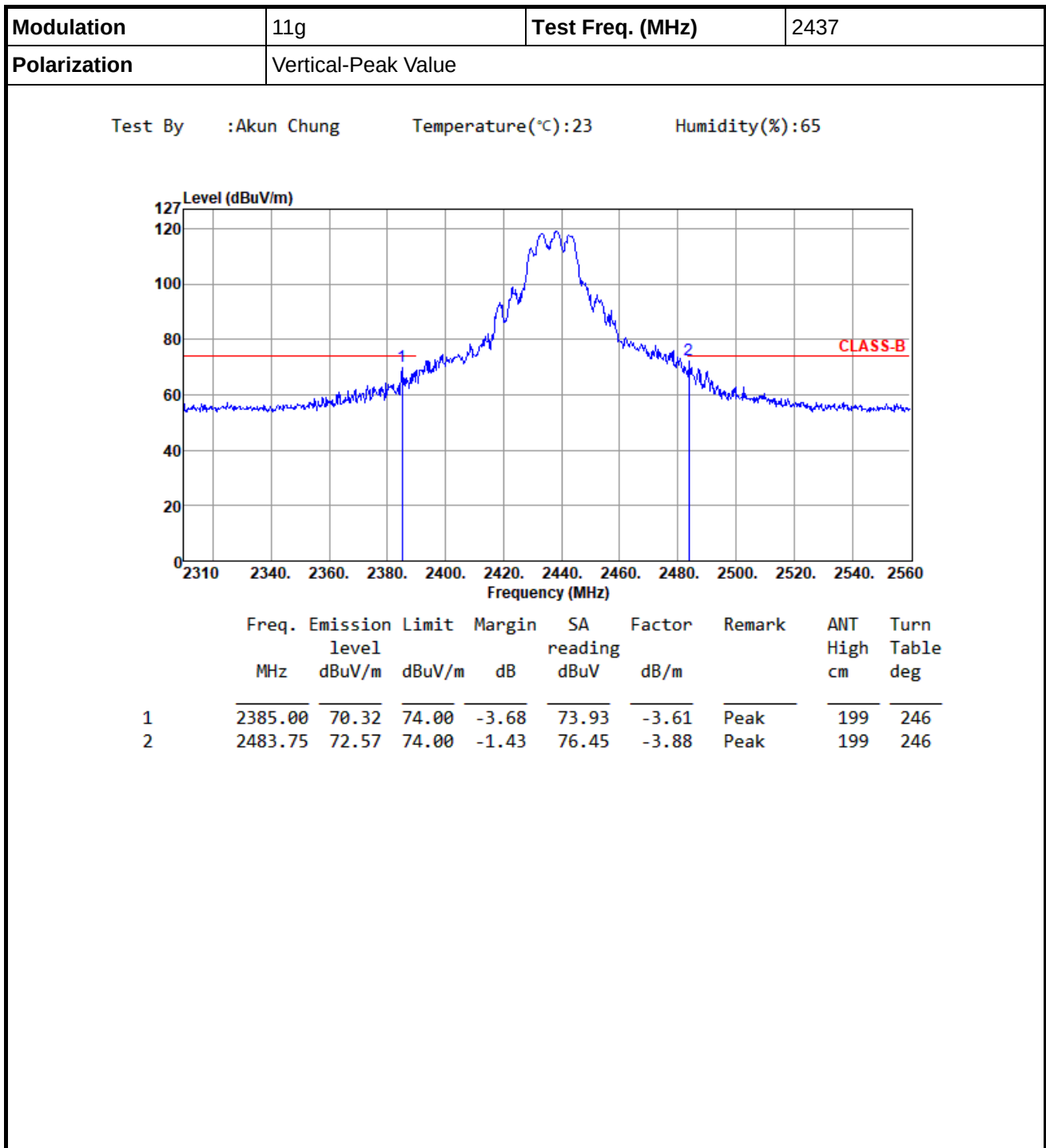
Band Edge measurement

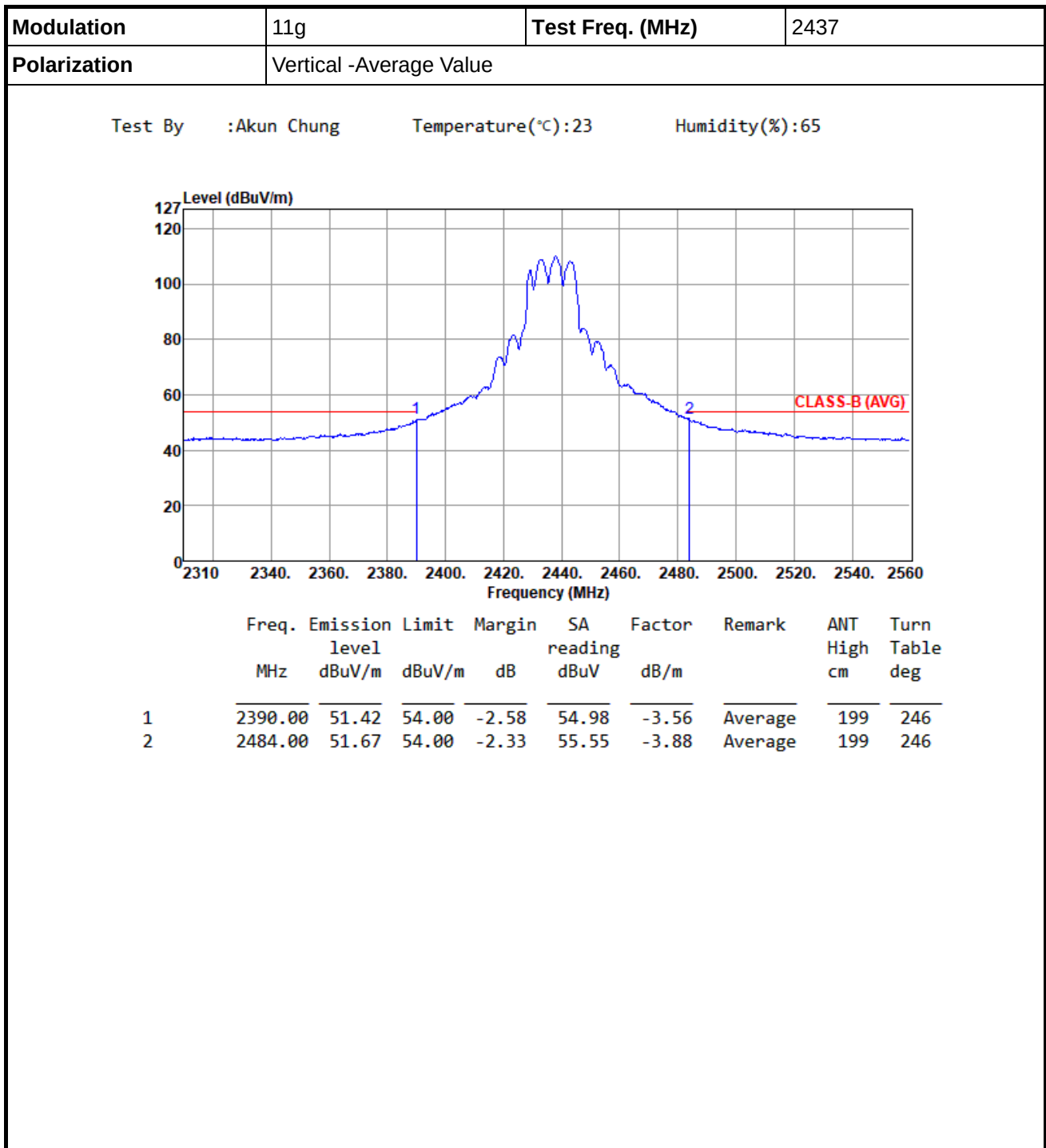
Appendix D

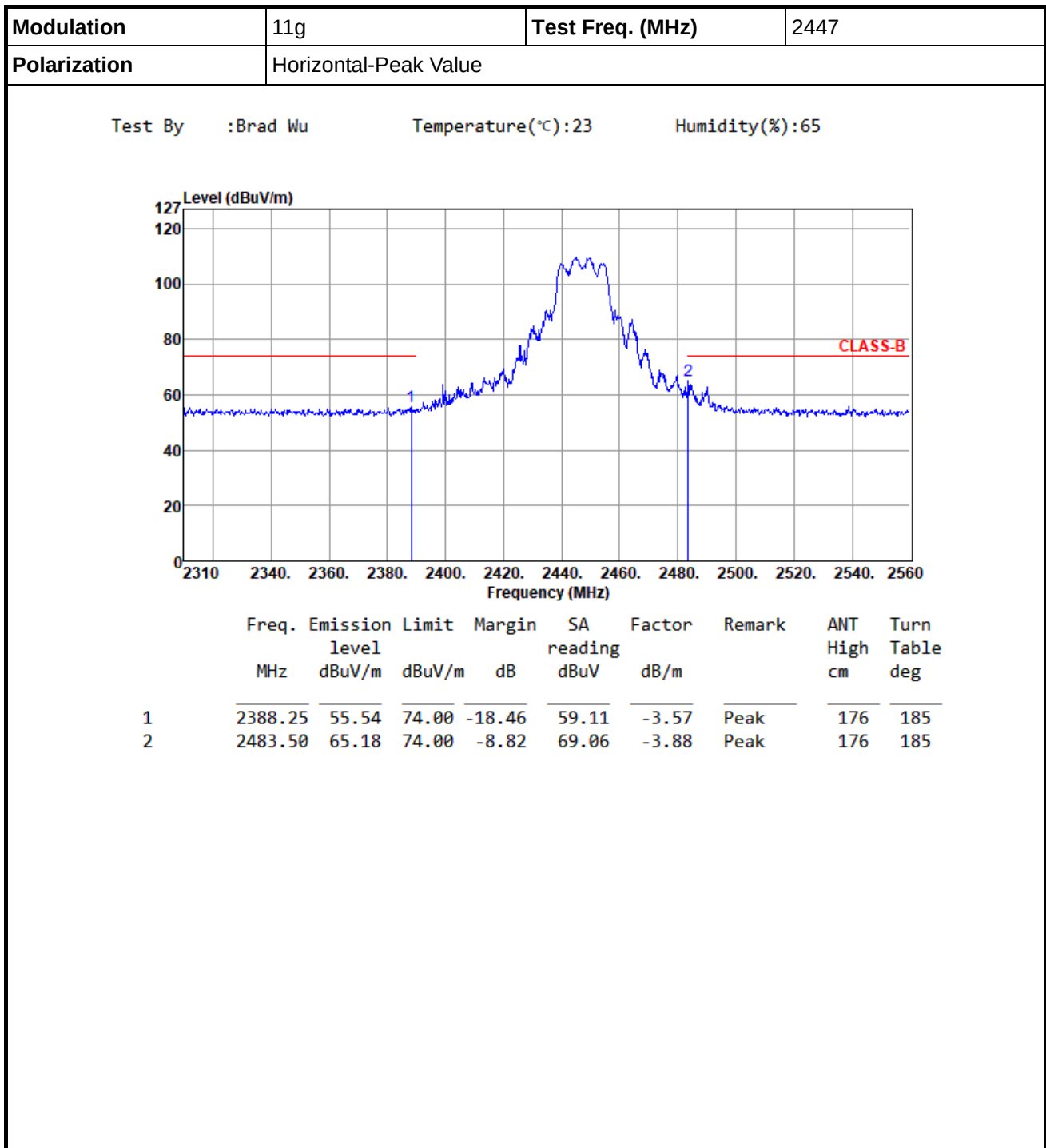


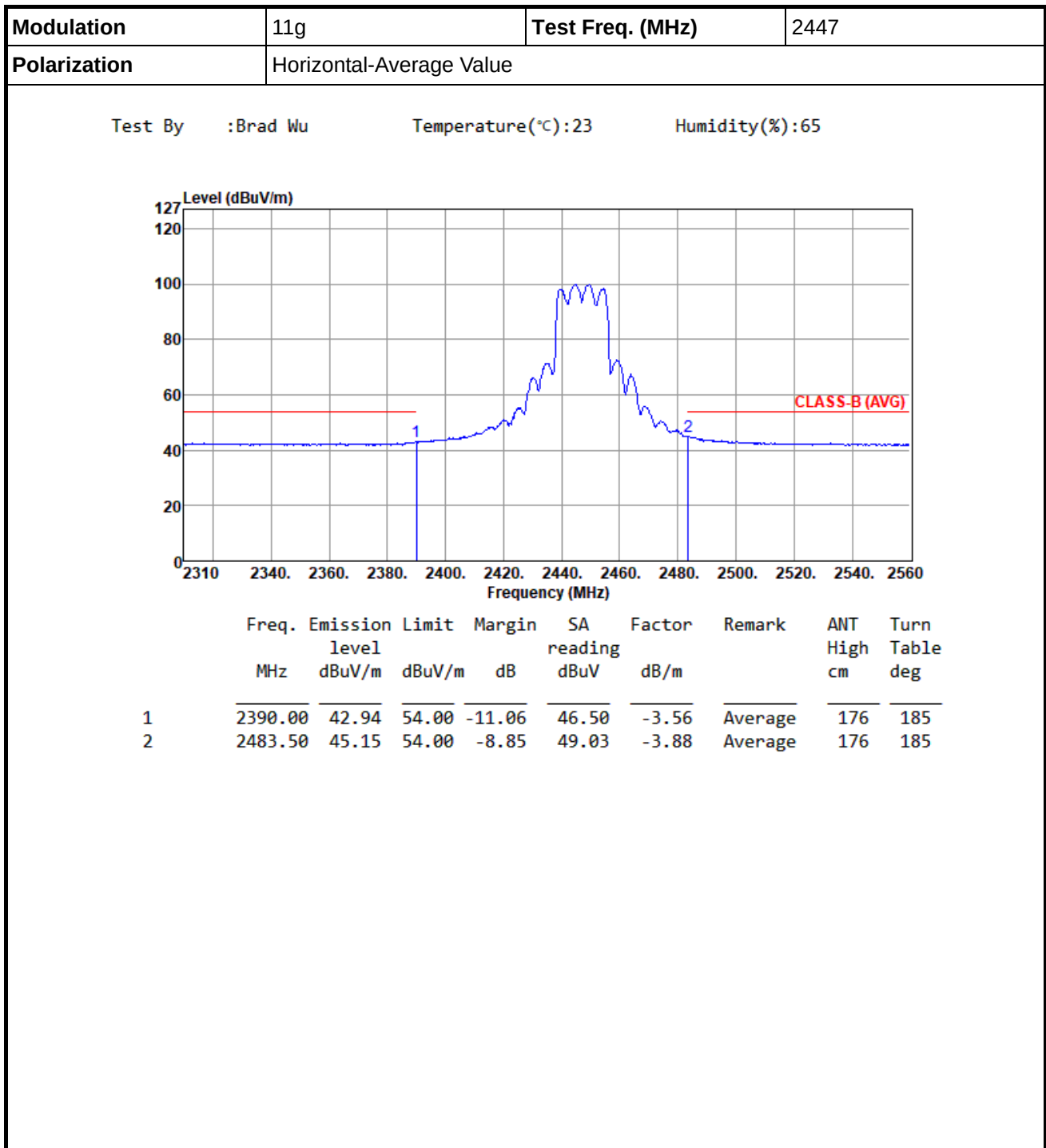


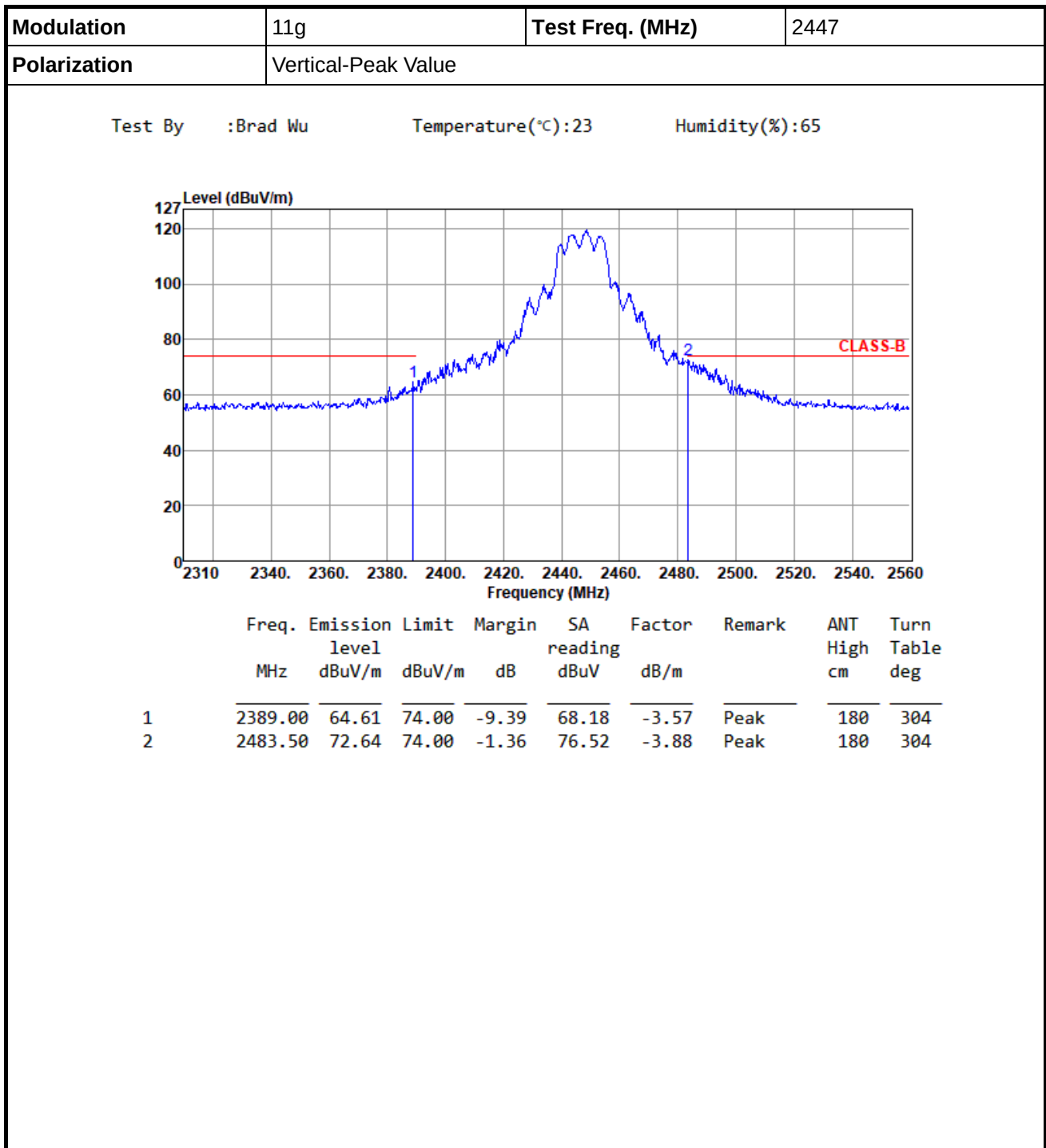








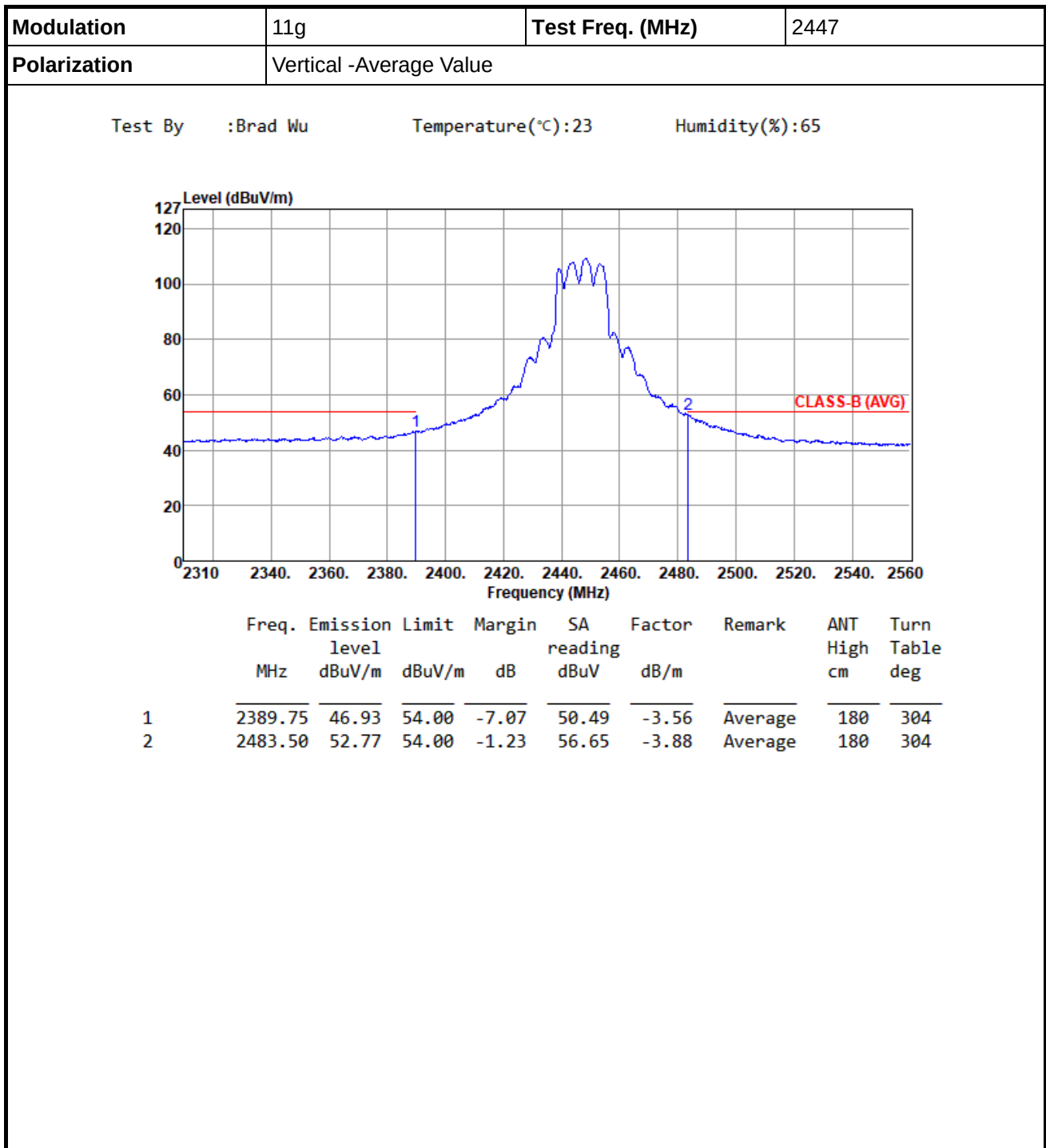


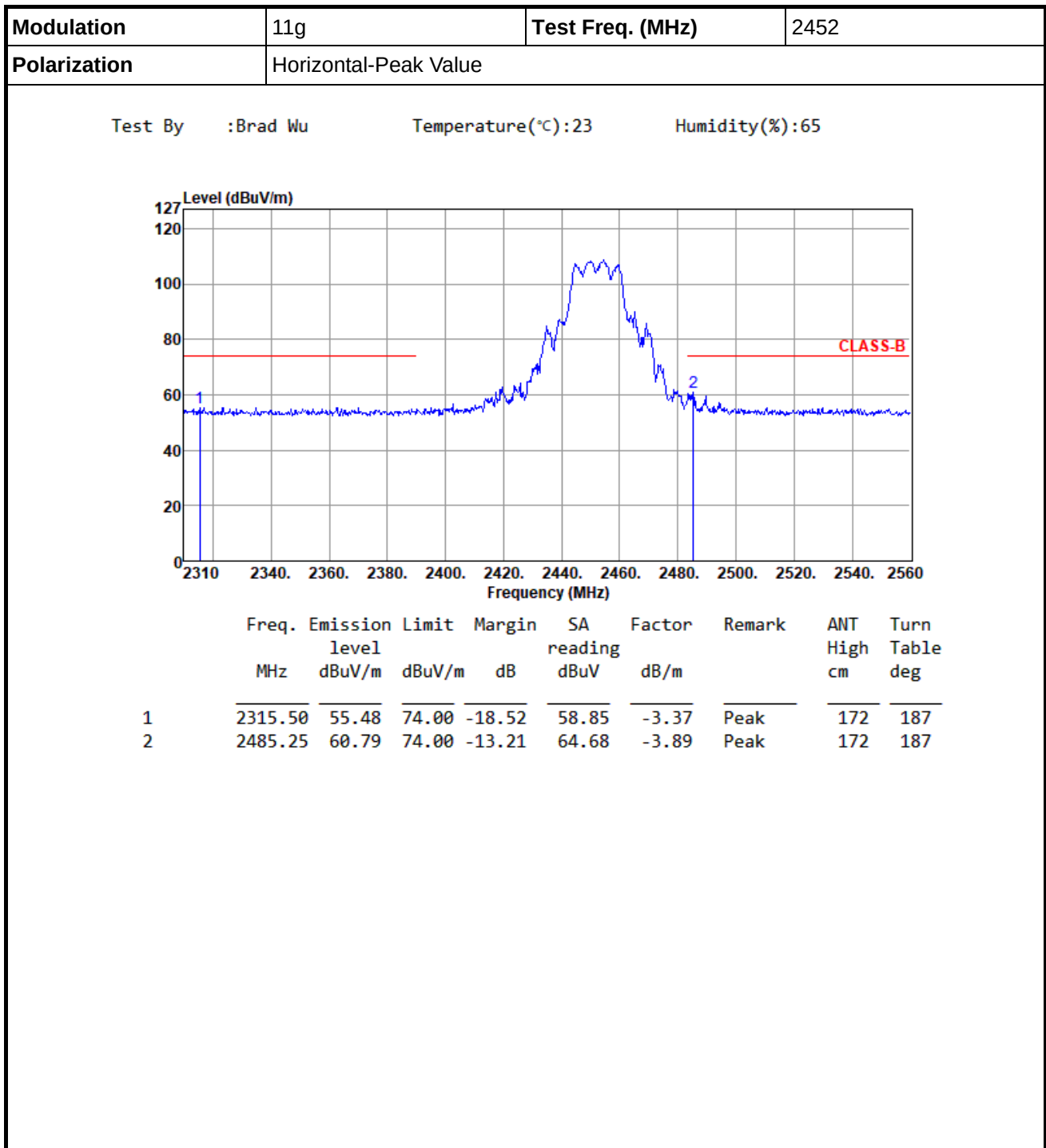


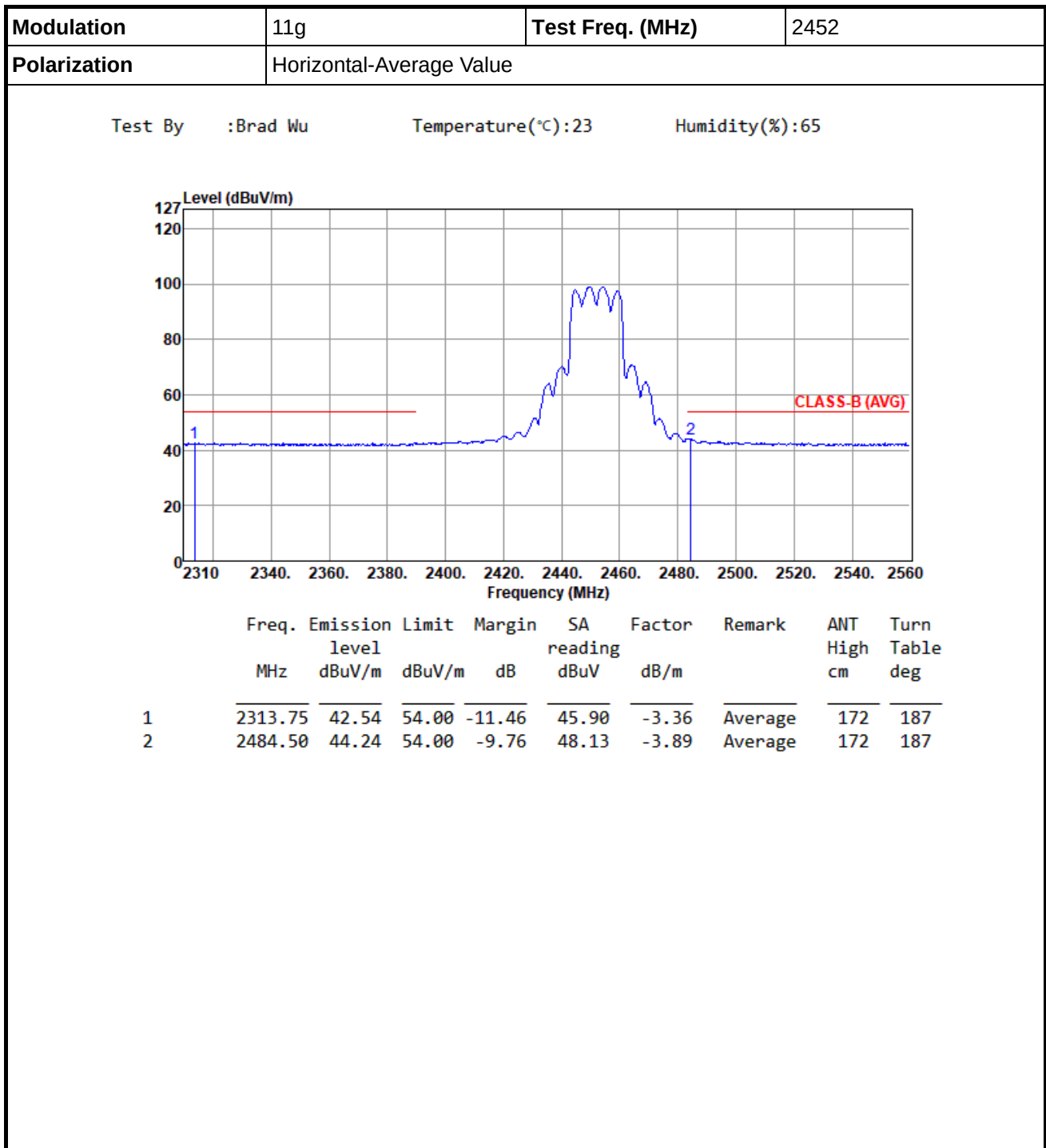


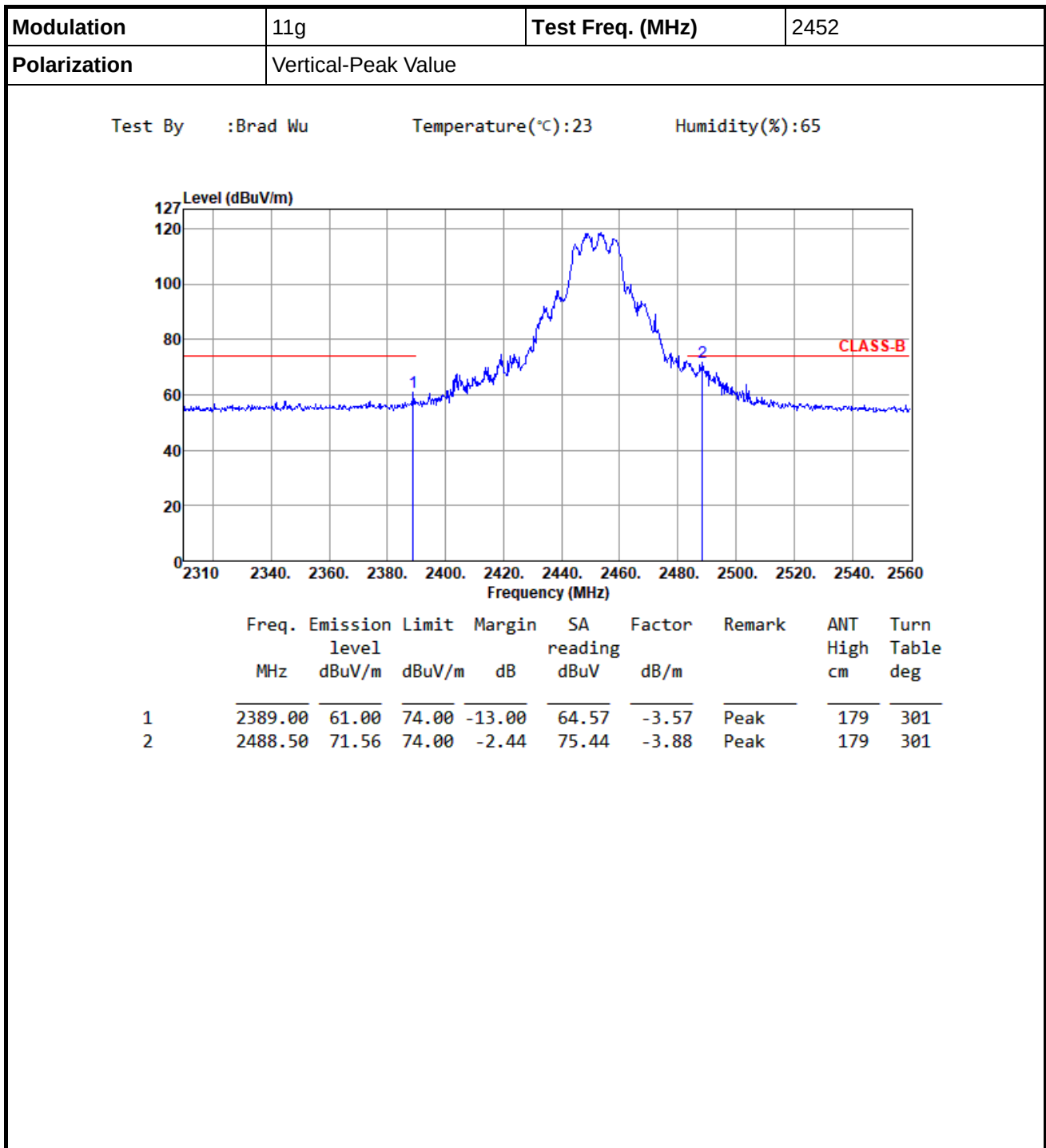
Band Edge measurement

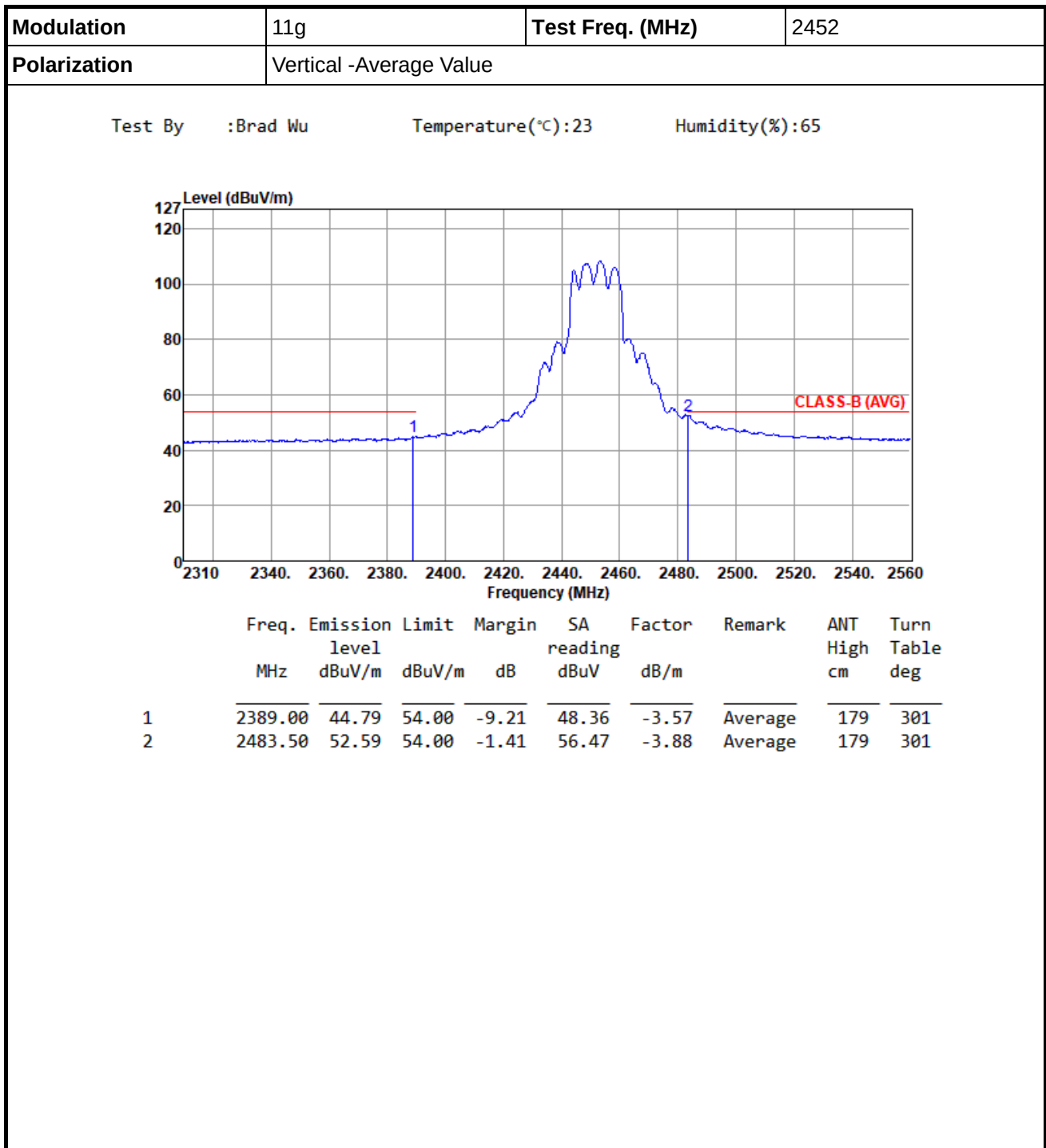
Appendix D

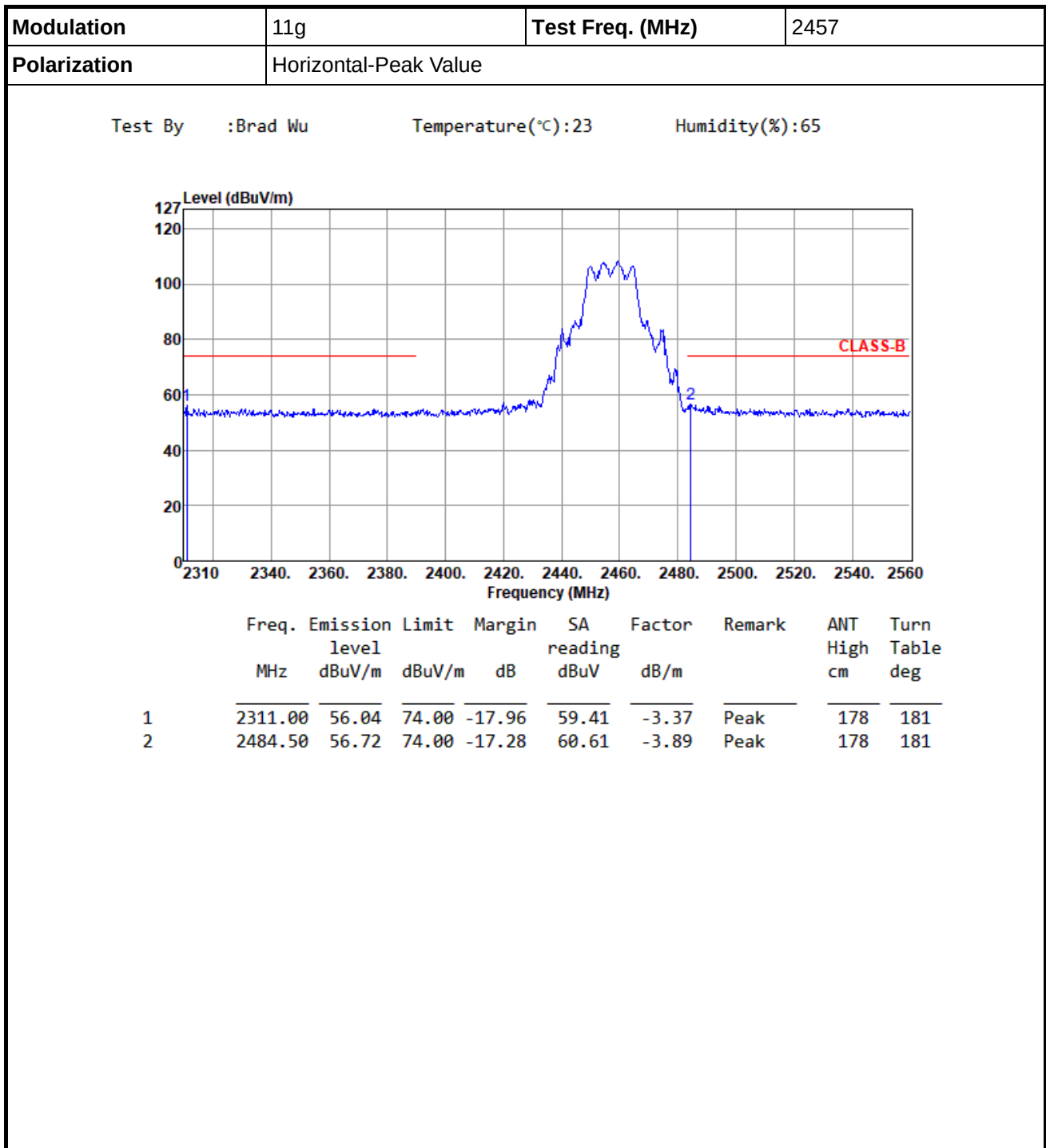


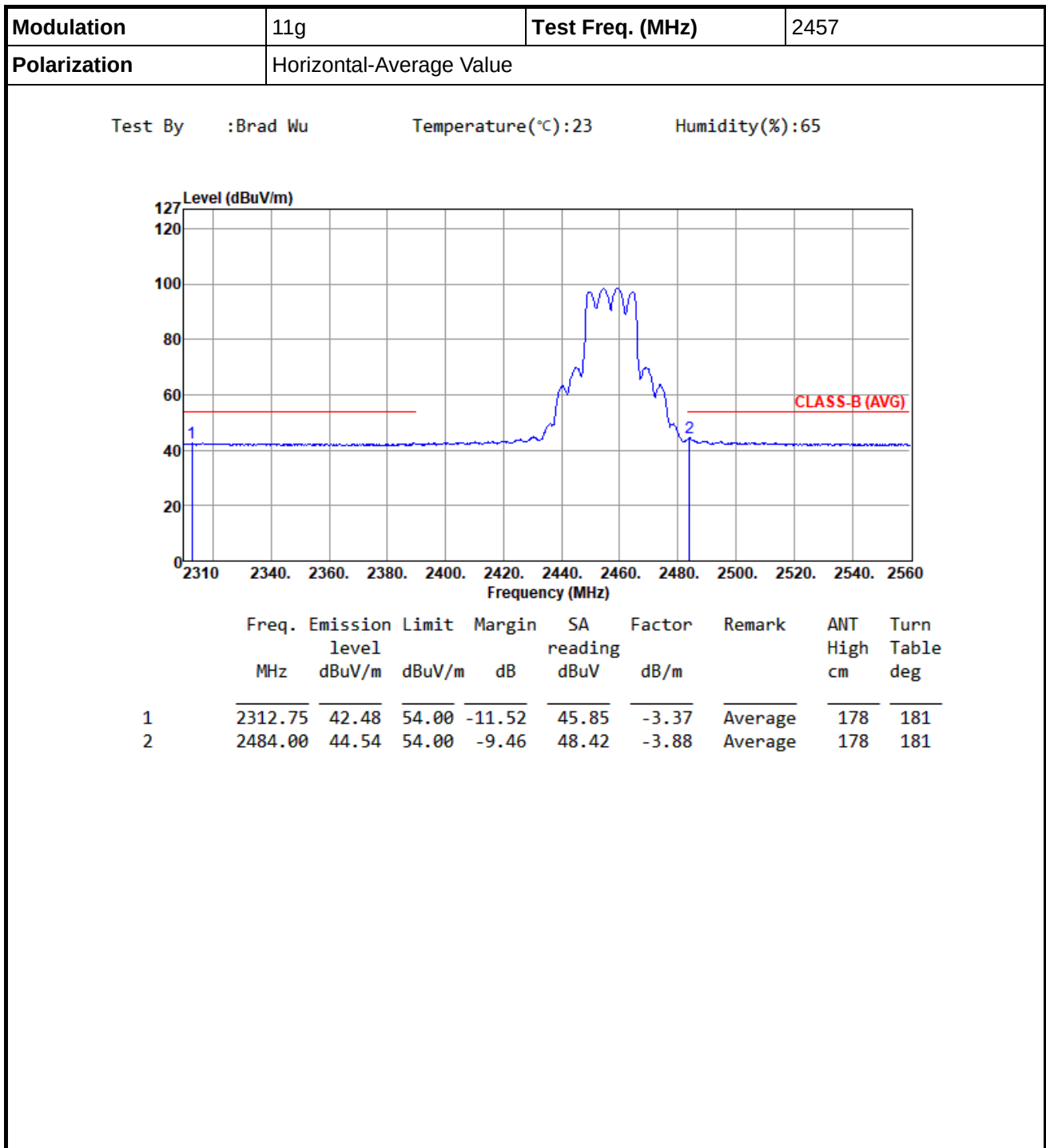


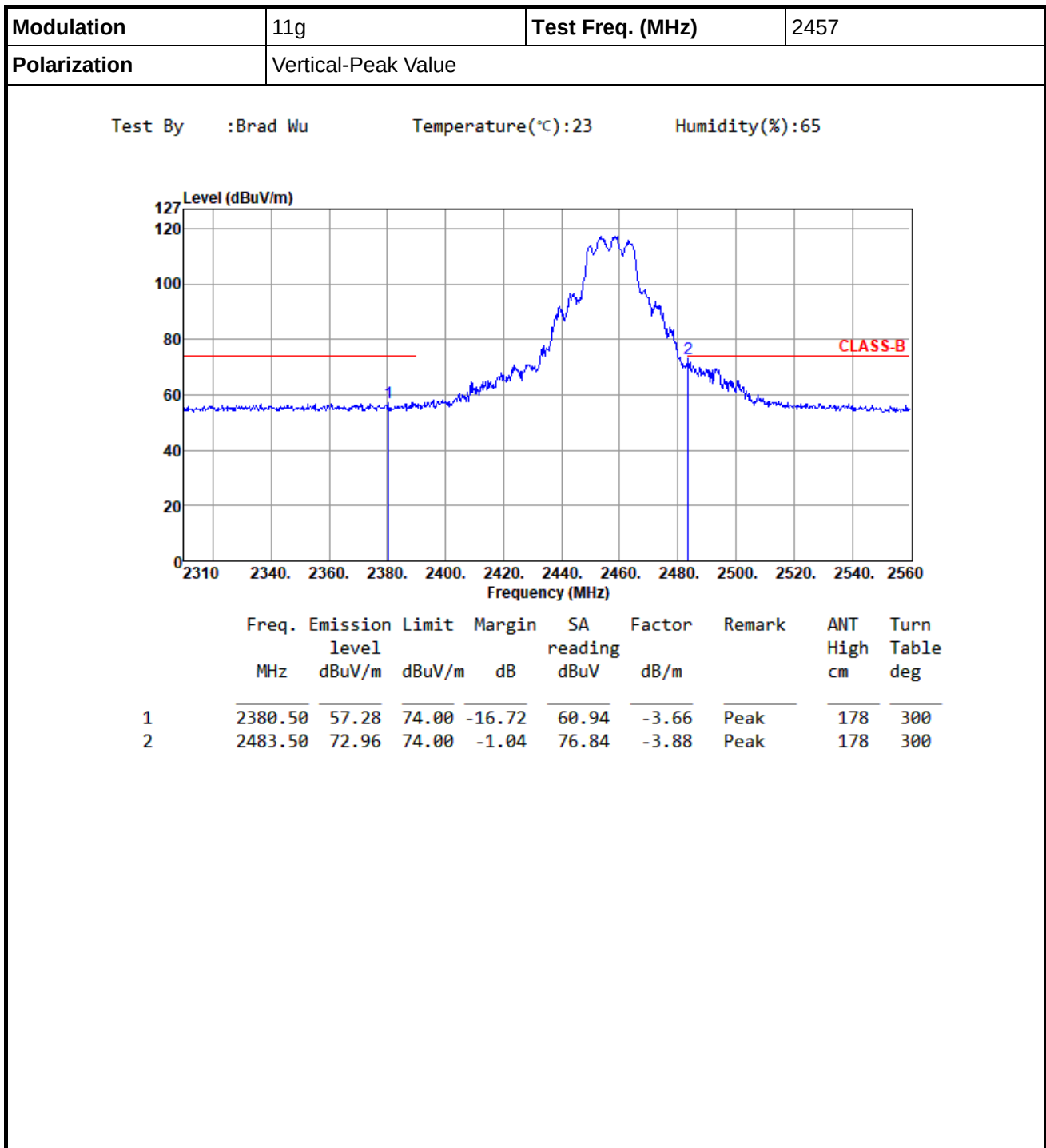


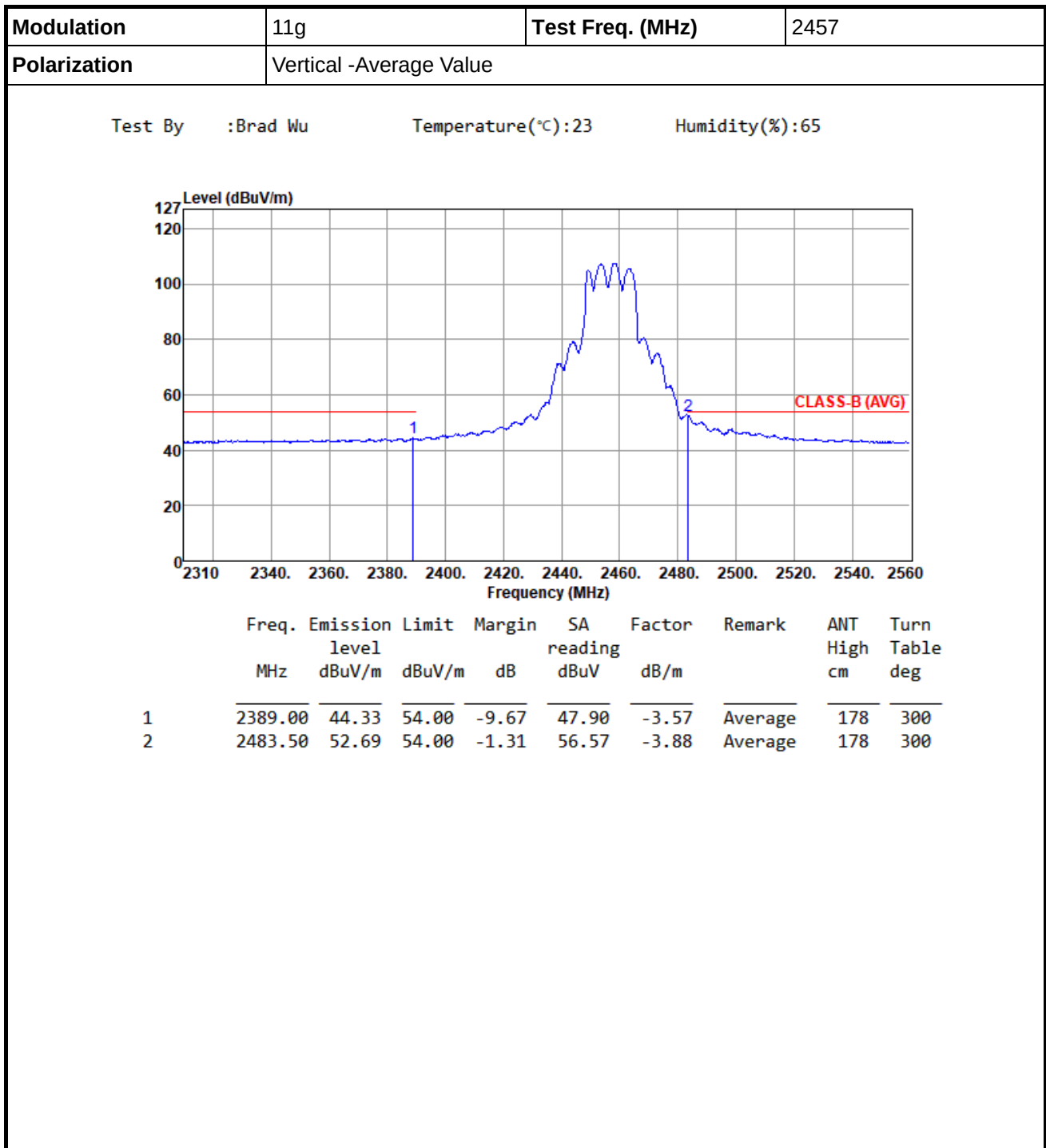


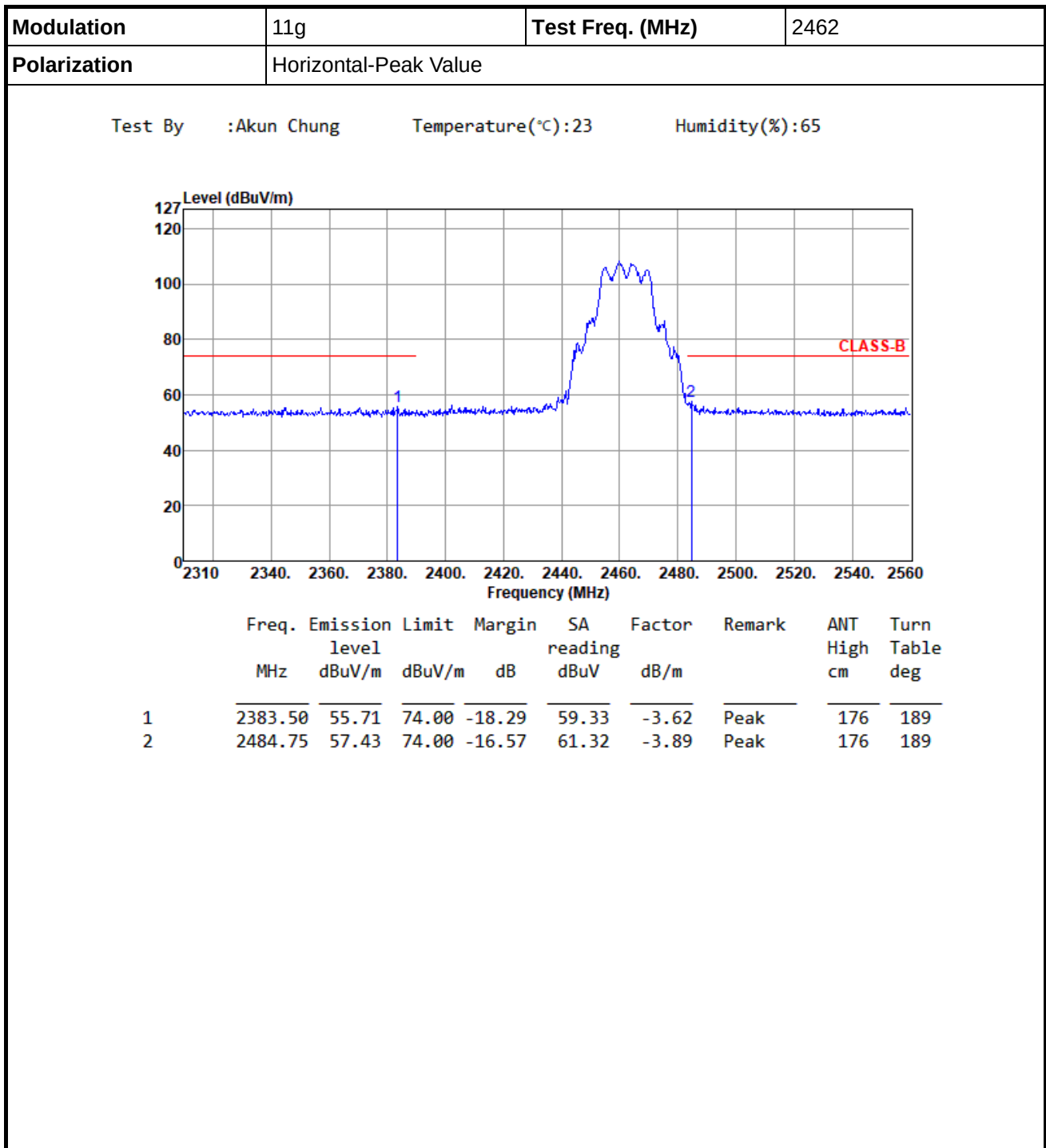


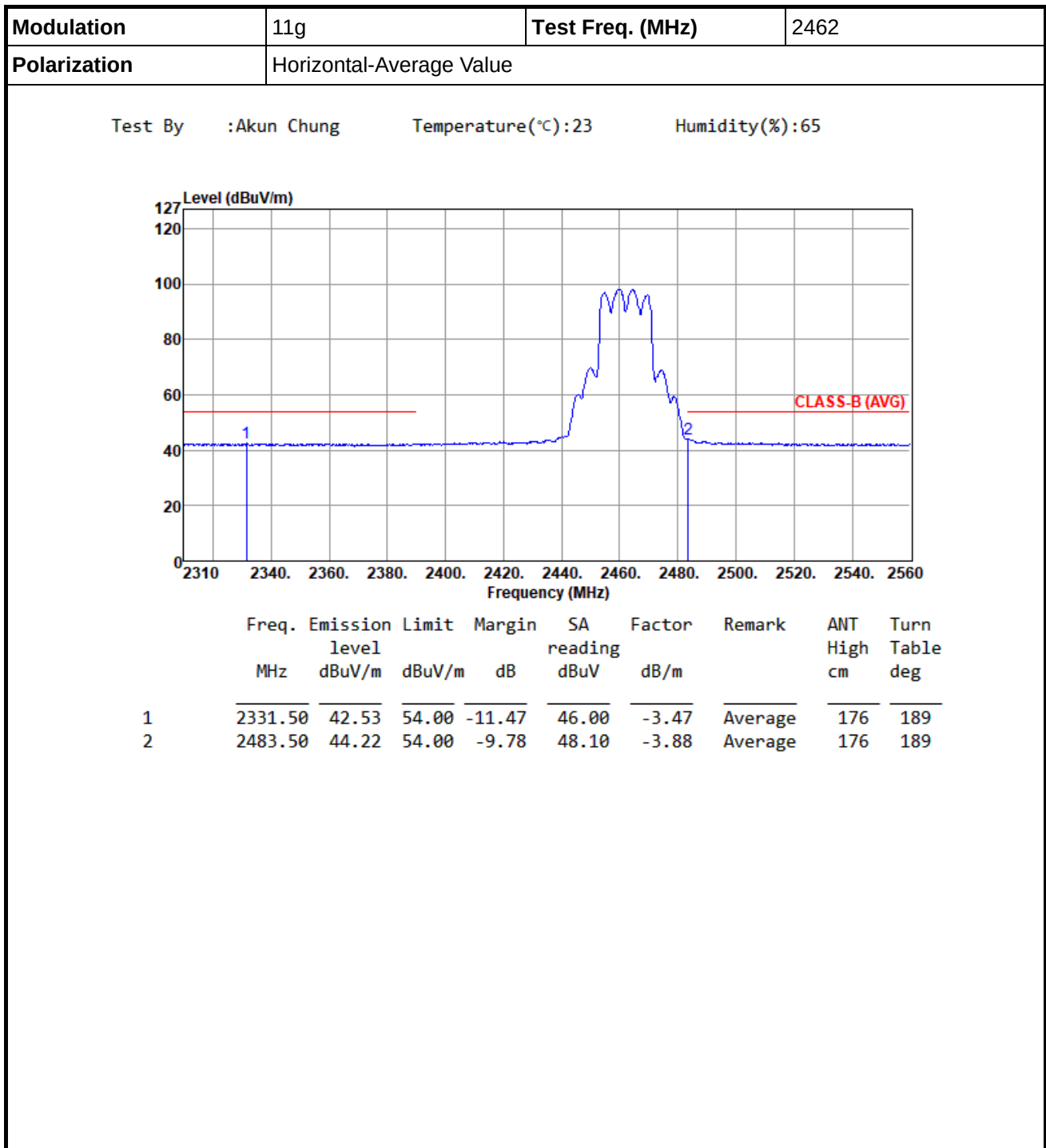


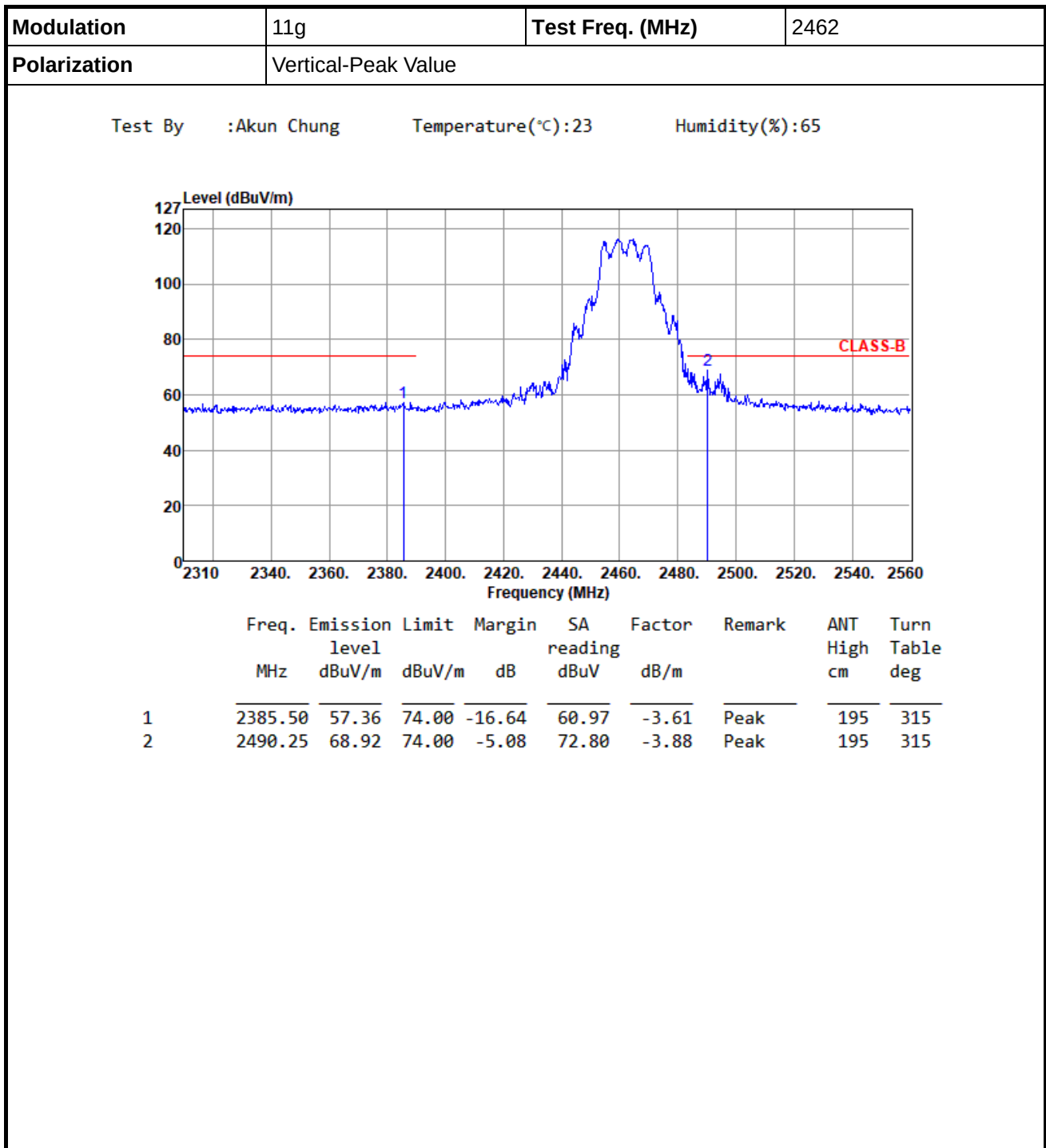








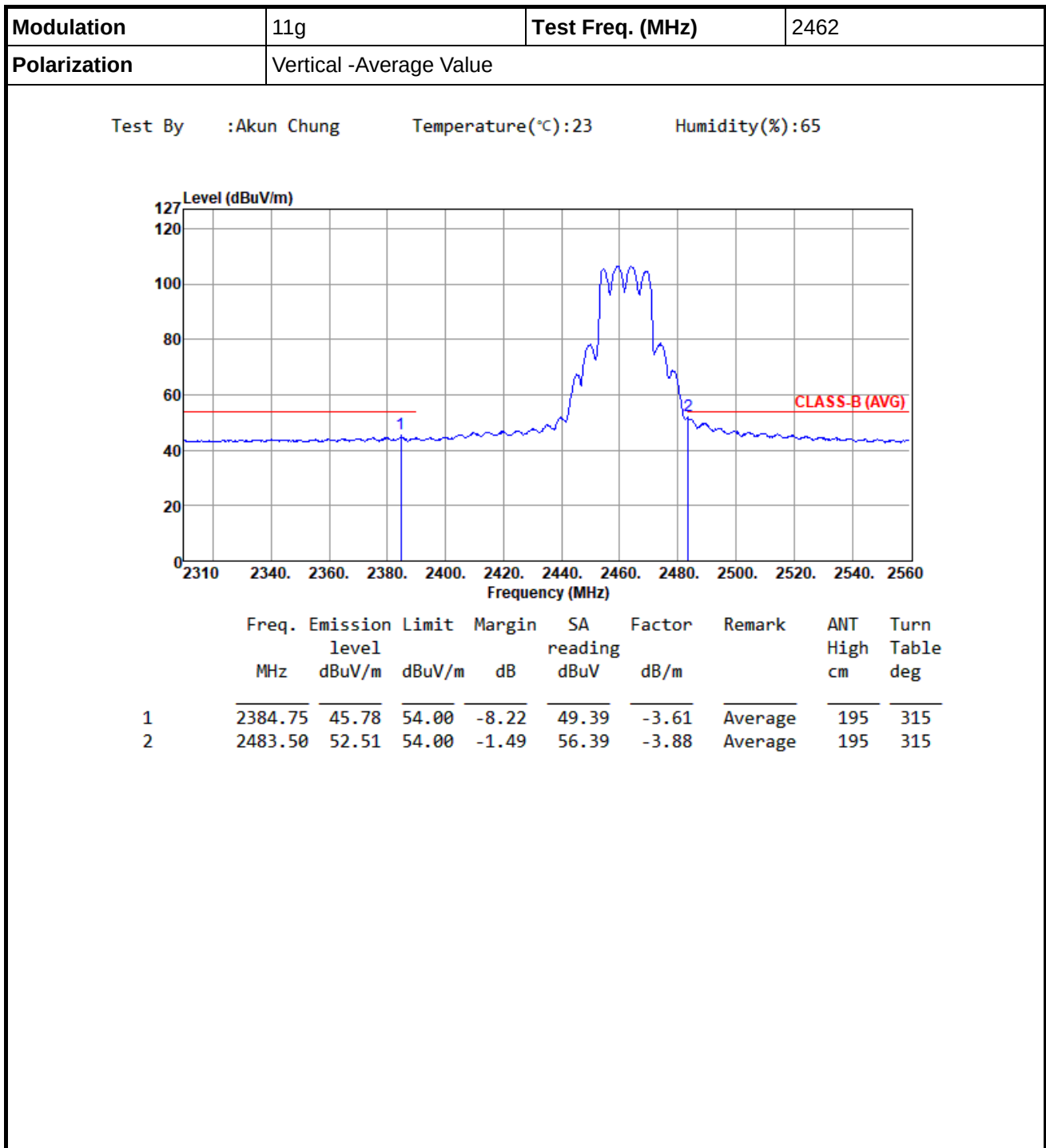


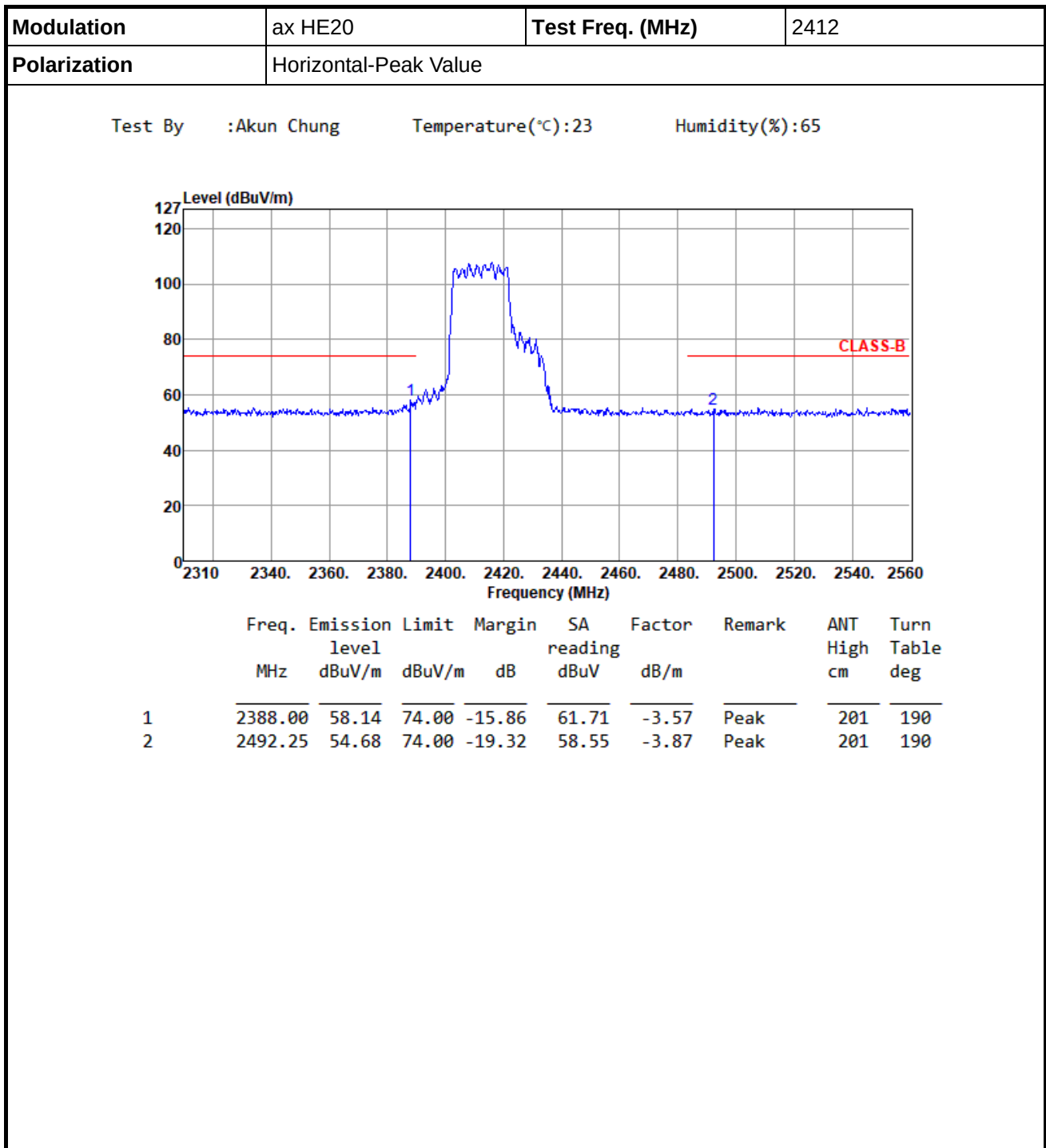


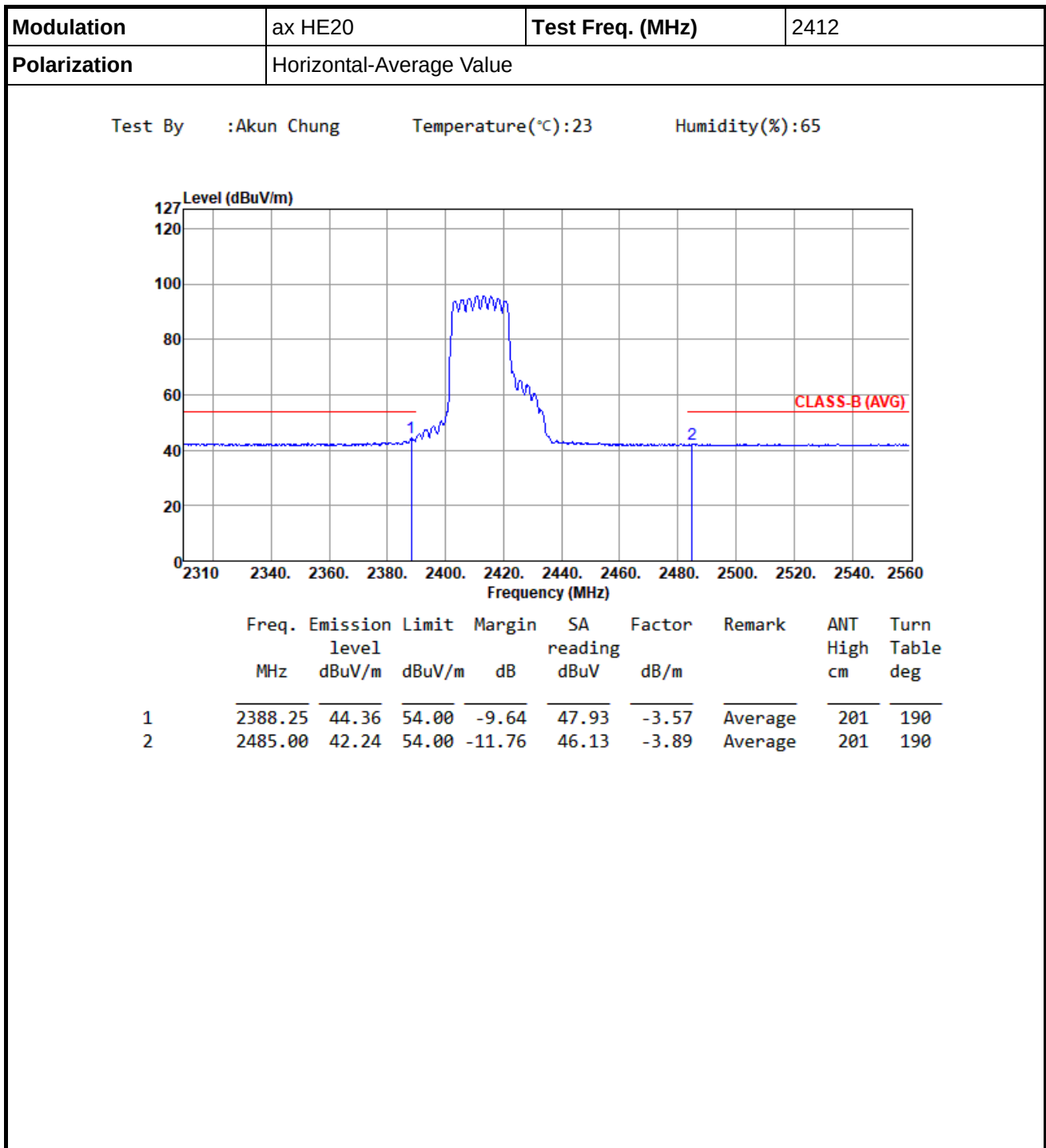


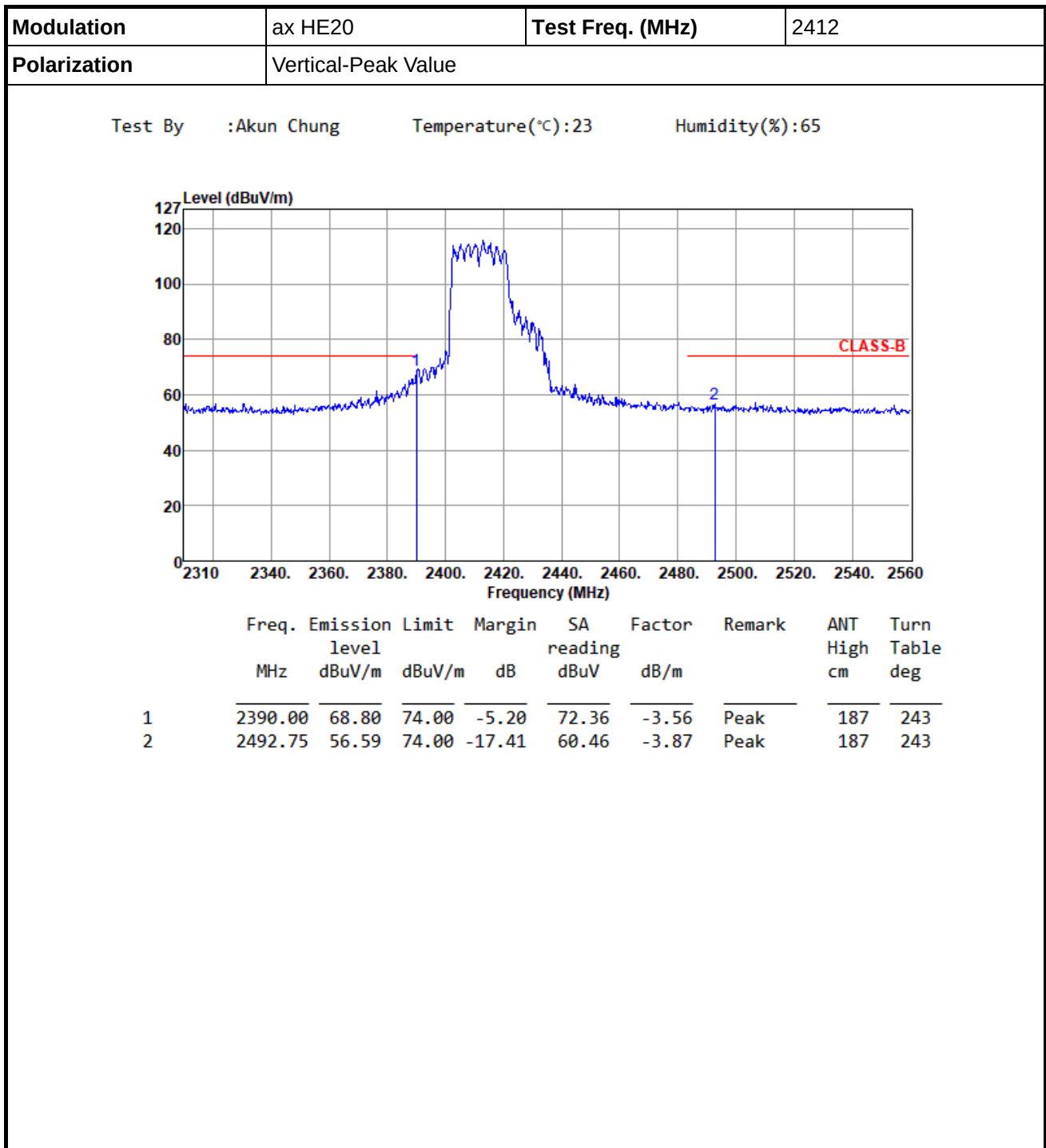
Band Edge measurement

Appendix D







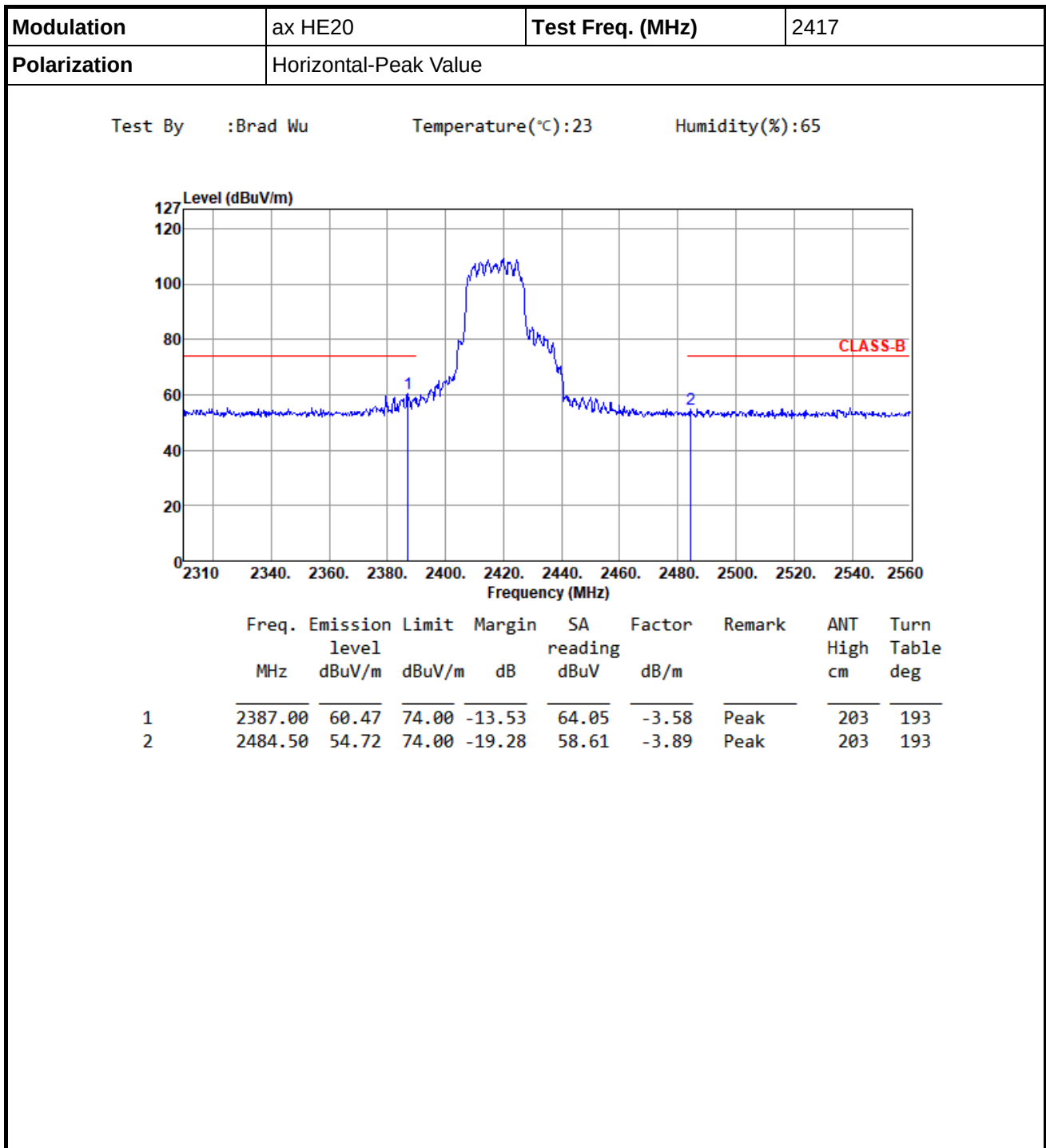


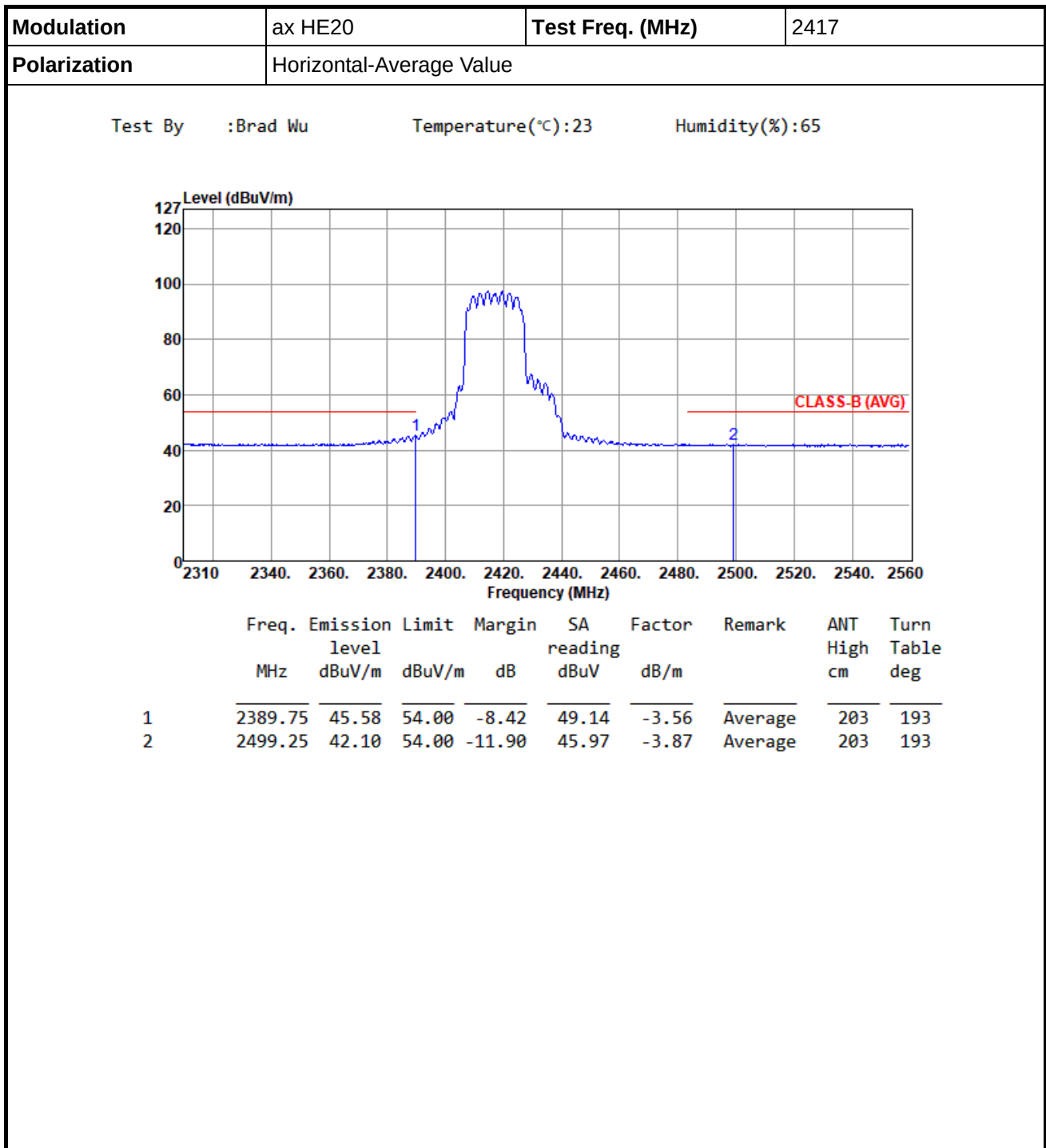


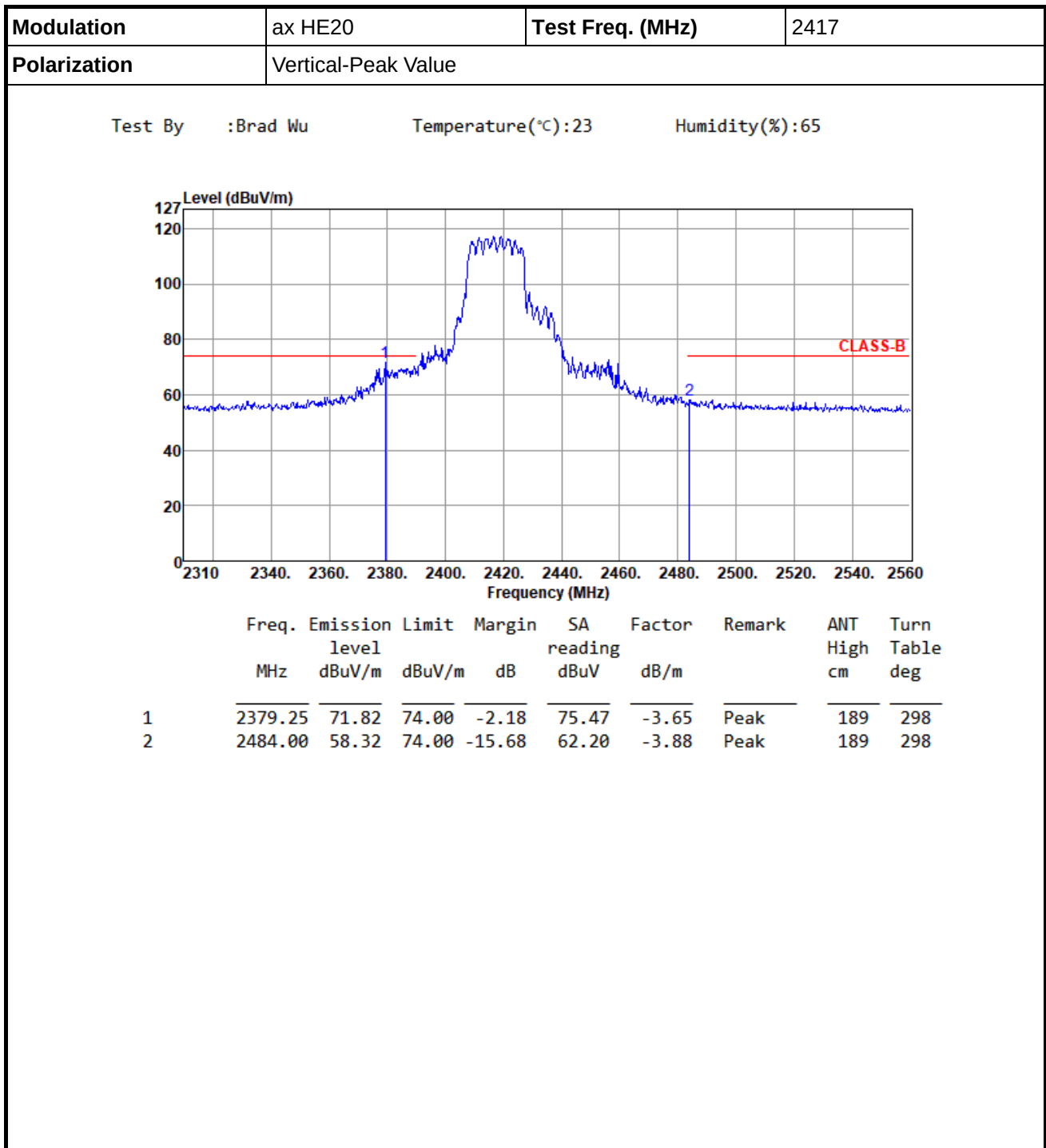
Band Edge measurement

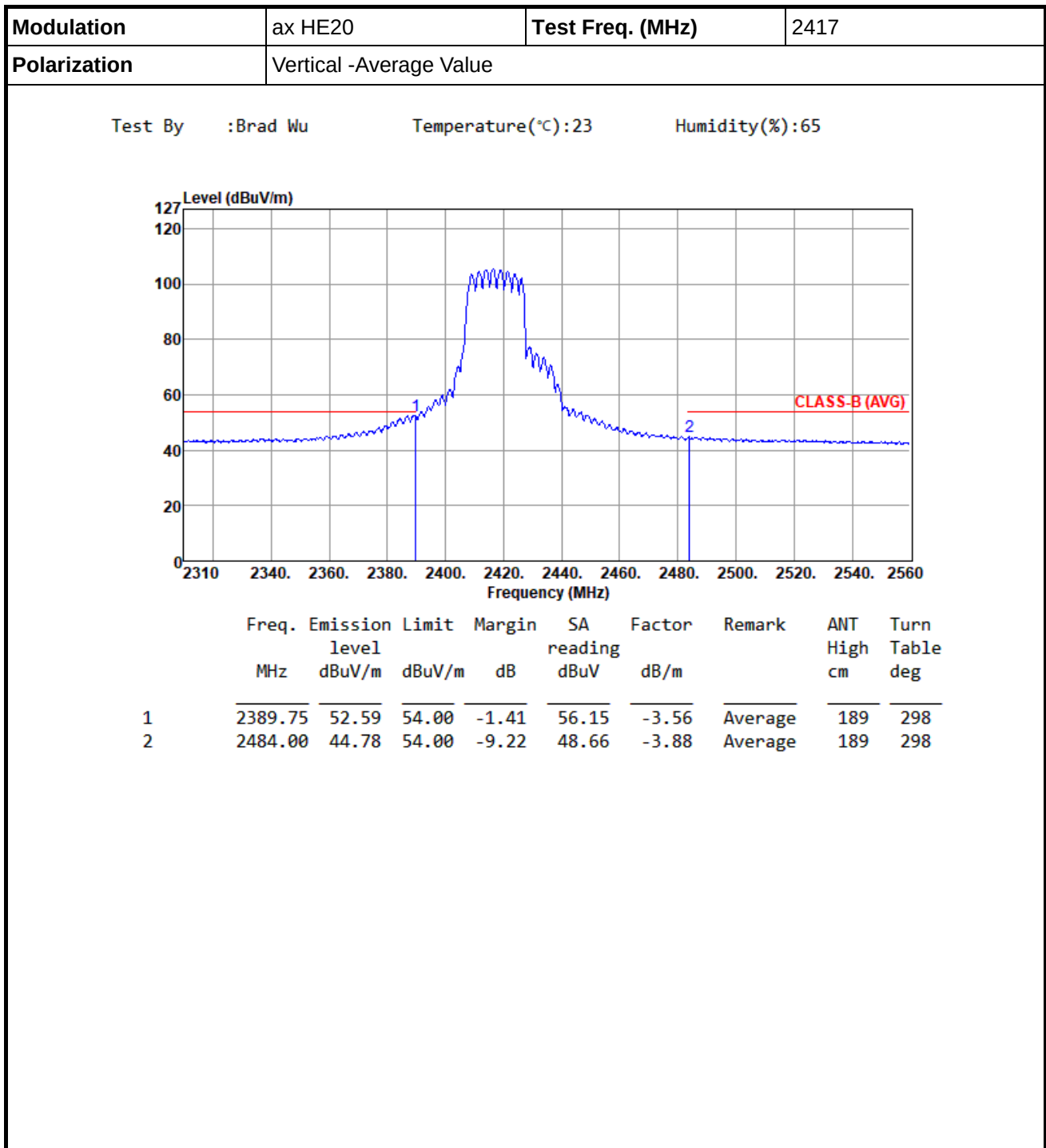
Appendix D

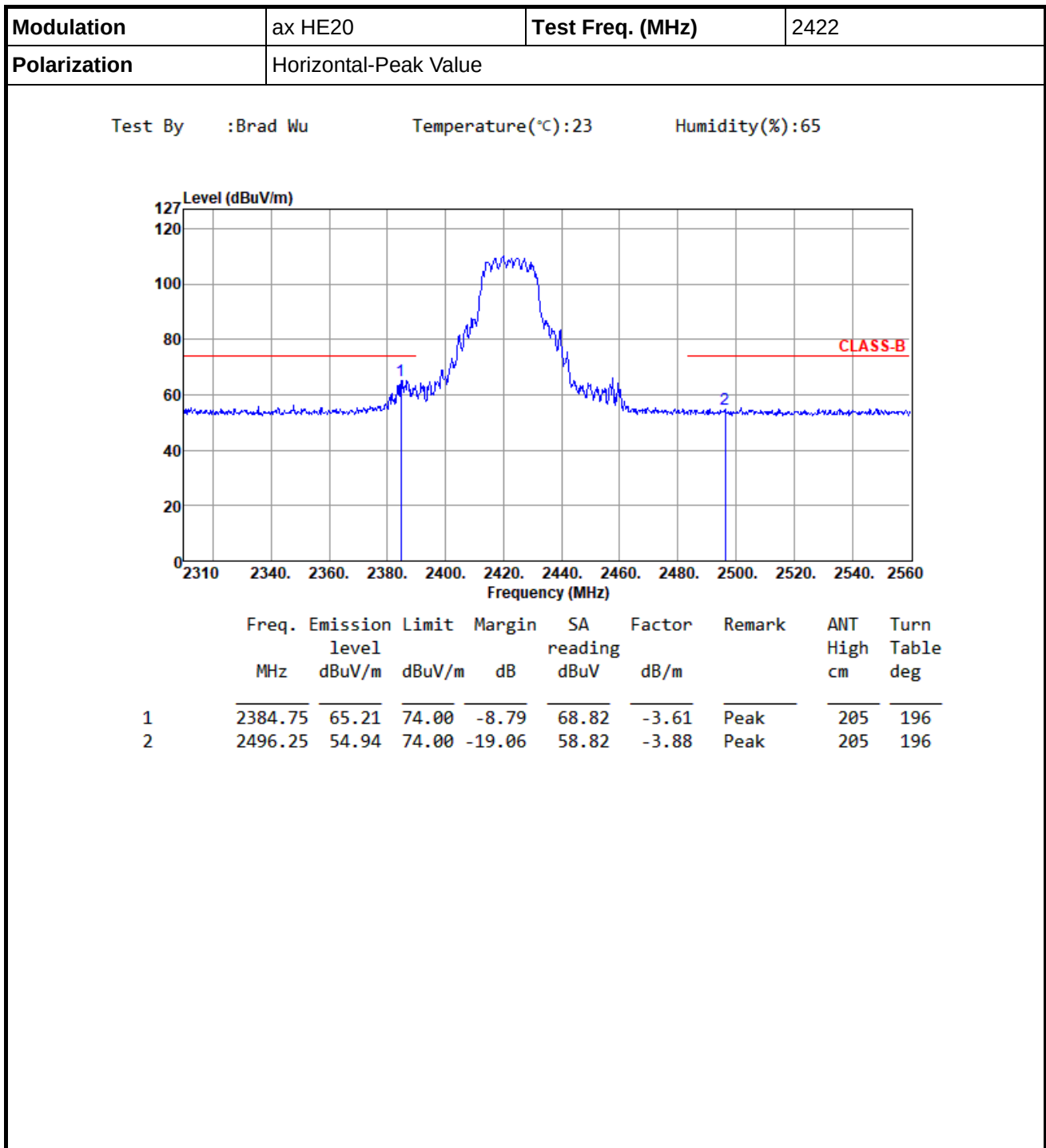
Modulation	ax HE20	Test Freq. (MHz)	2412																				
Polarization	Vertical -Average Value																						
Test By :Akun Chung Temperature(°C):23 Humidity(%):65																							
Level (dBUV/m) 127 120 100 80 60 40 20 0 2310 2340. 2360. 2380. 2400. 2420. 2440. 2460. 2480. 2500. 2520. 2540. 2560 Frequency (MHz) Freq. Emission Limit Margin SA Factor Remark ANT Turn level MHz dBUV/m dBUV/m dB reading dBUV dB/m cm deg <table><tr><td>1</td><td>2390.00</td><td>52.99</td><td>54.00</td><td>-1.01</td><td>56.55</td><td>-3.56</td><td>Average</td><td>187</td><td>243</td></tr><tr><td>2</td><td>2492.25</td><td>44.46</td><td>54.00</td><td>-9.54</td><td>48.33</td><td>-3.87</td><td>Average</td><td>187</td><td>243</td></tr></table>				1	2390.00	52.99	54.00	-1.01	56.55	-3.56	Average	187	243	2	2492.25	44.46	54.00	-9.54	48.33	-3.87	Average	187	243
1	2390.00	52.99	54.00	-1.01	56.55	-3.56	Average	187	243														
2	2492.25	44.46	54.00	-9.54	48.33	-3.87	Average	187	243														

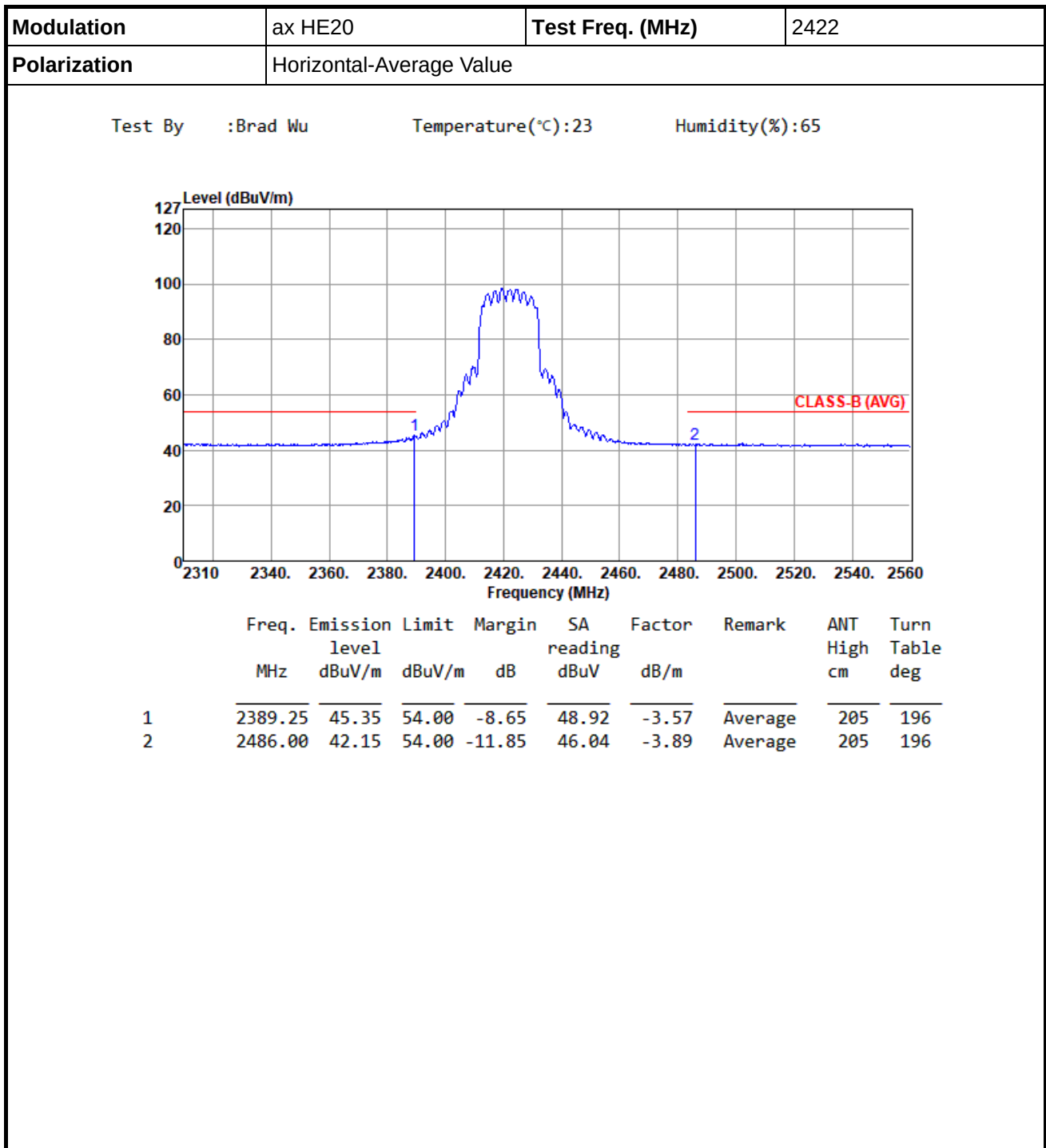


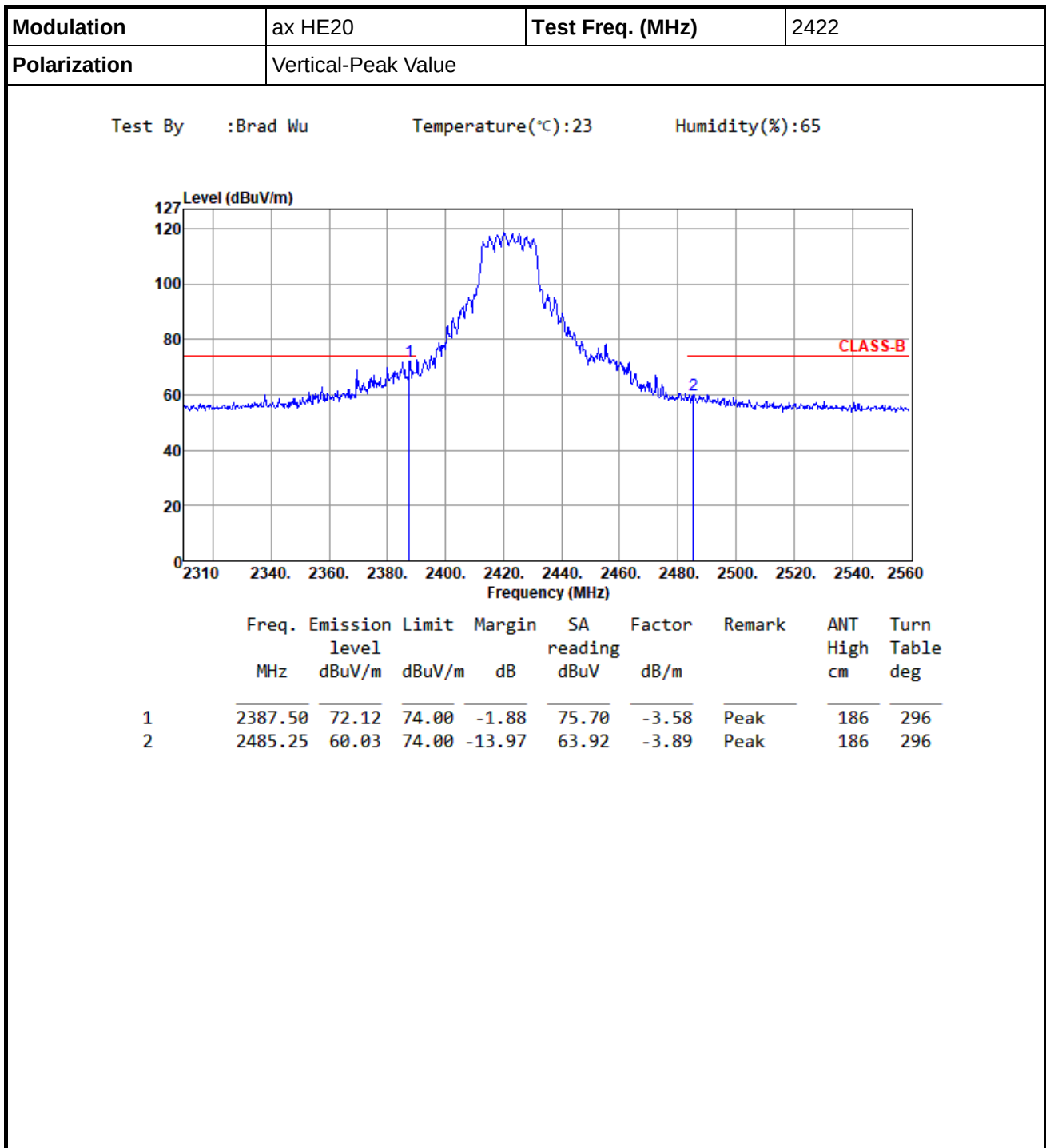


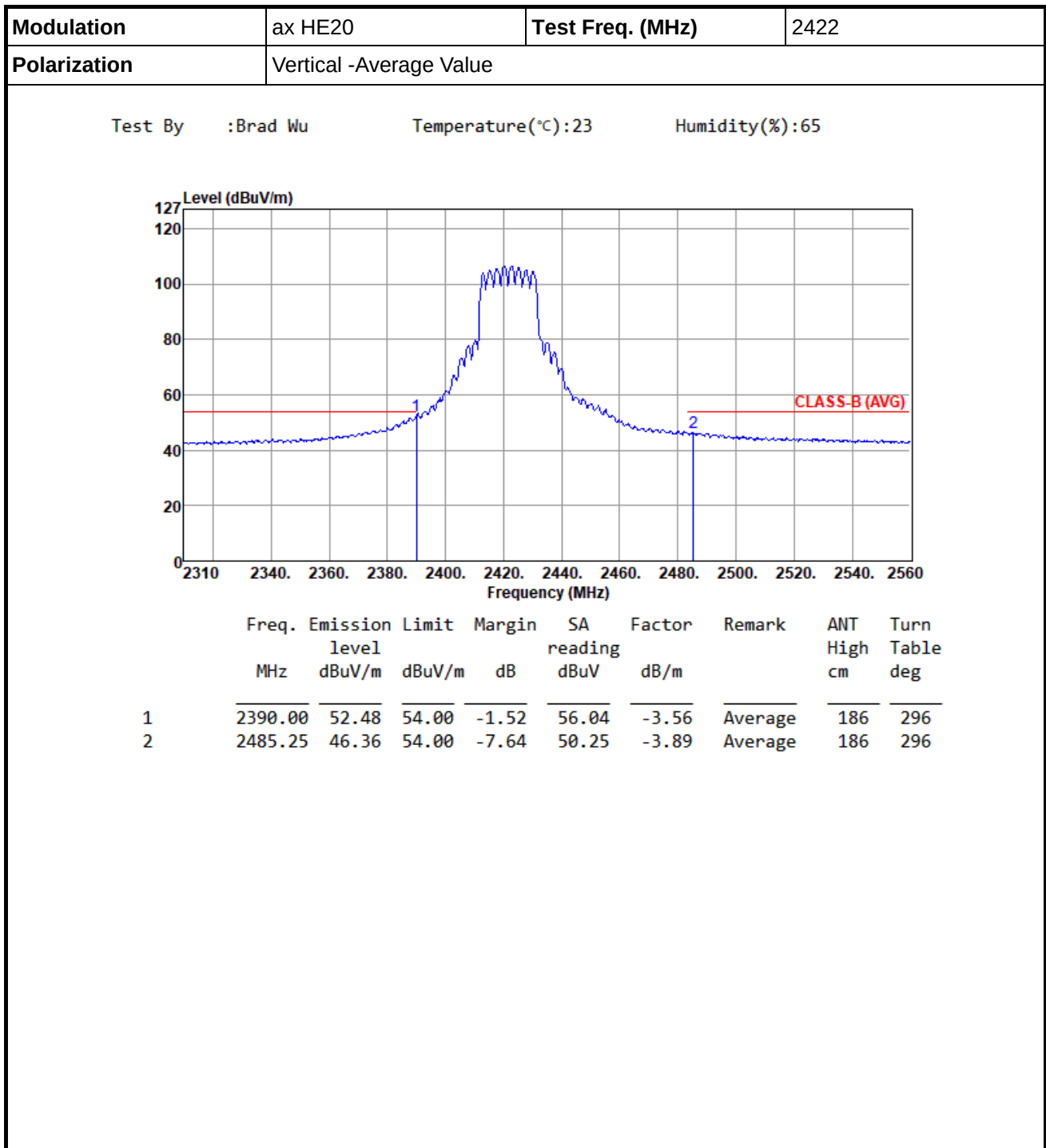


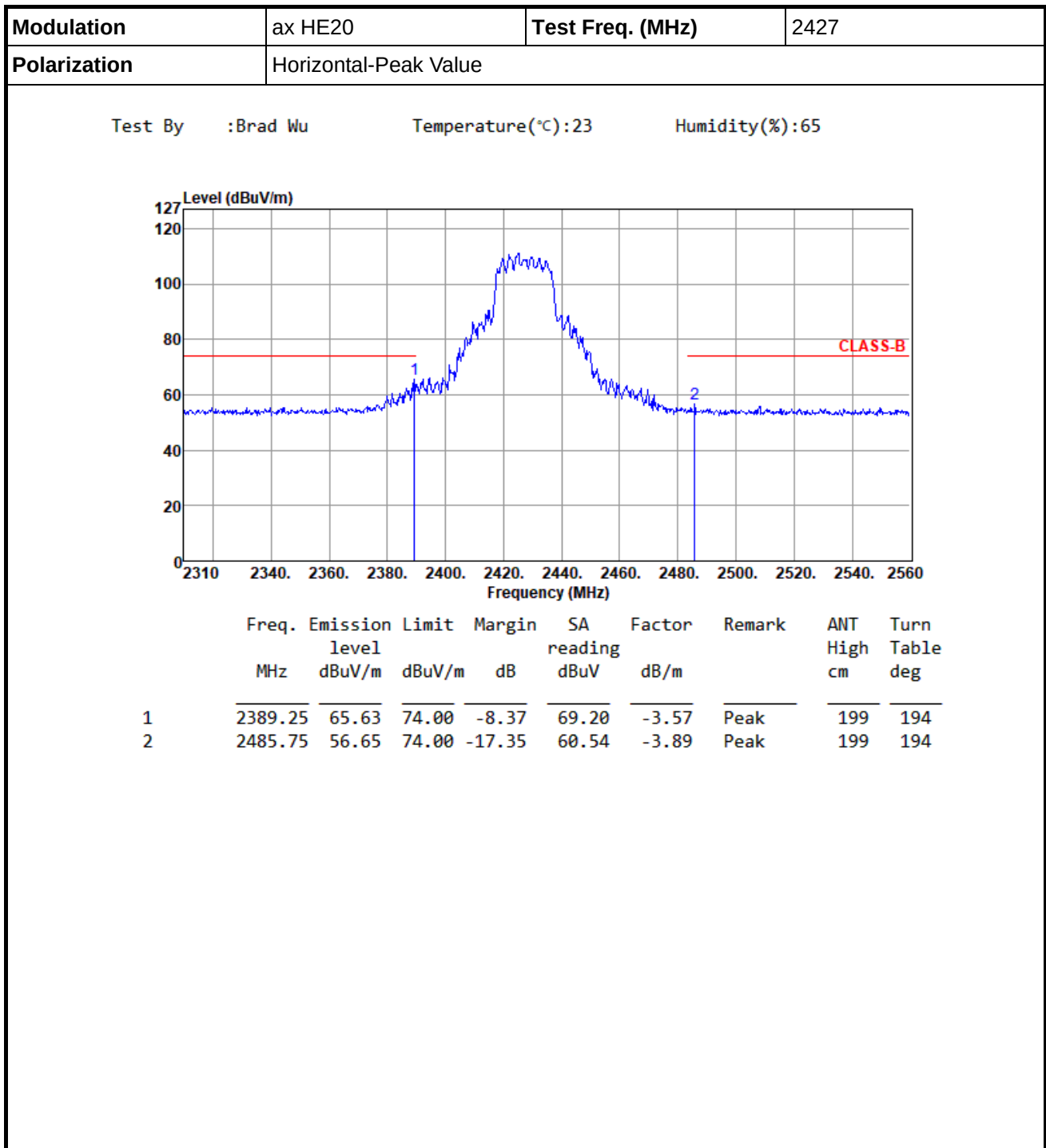


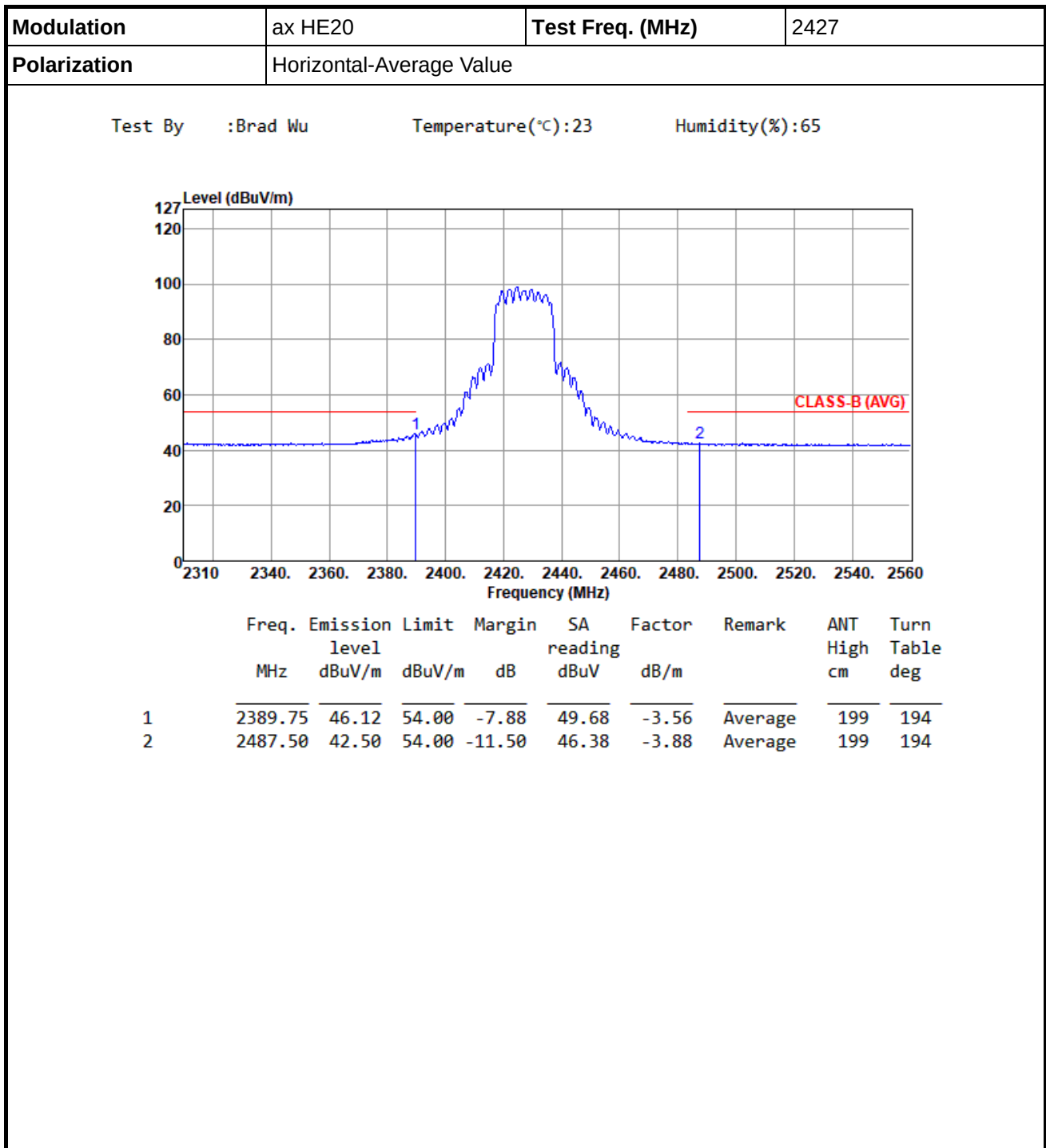


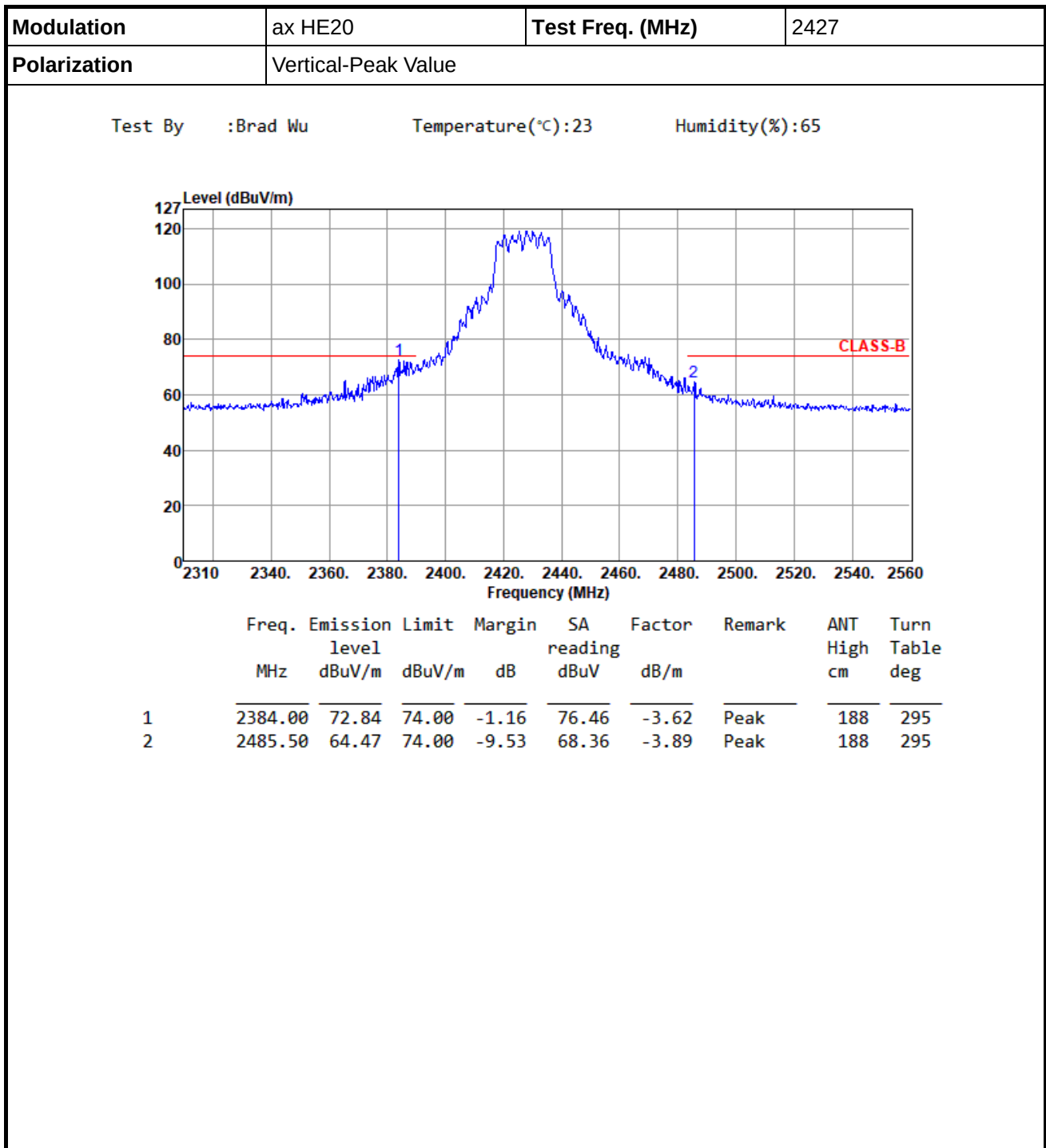


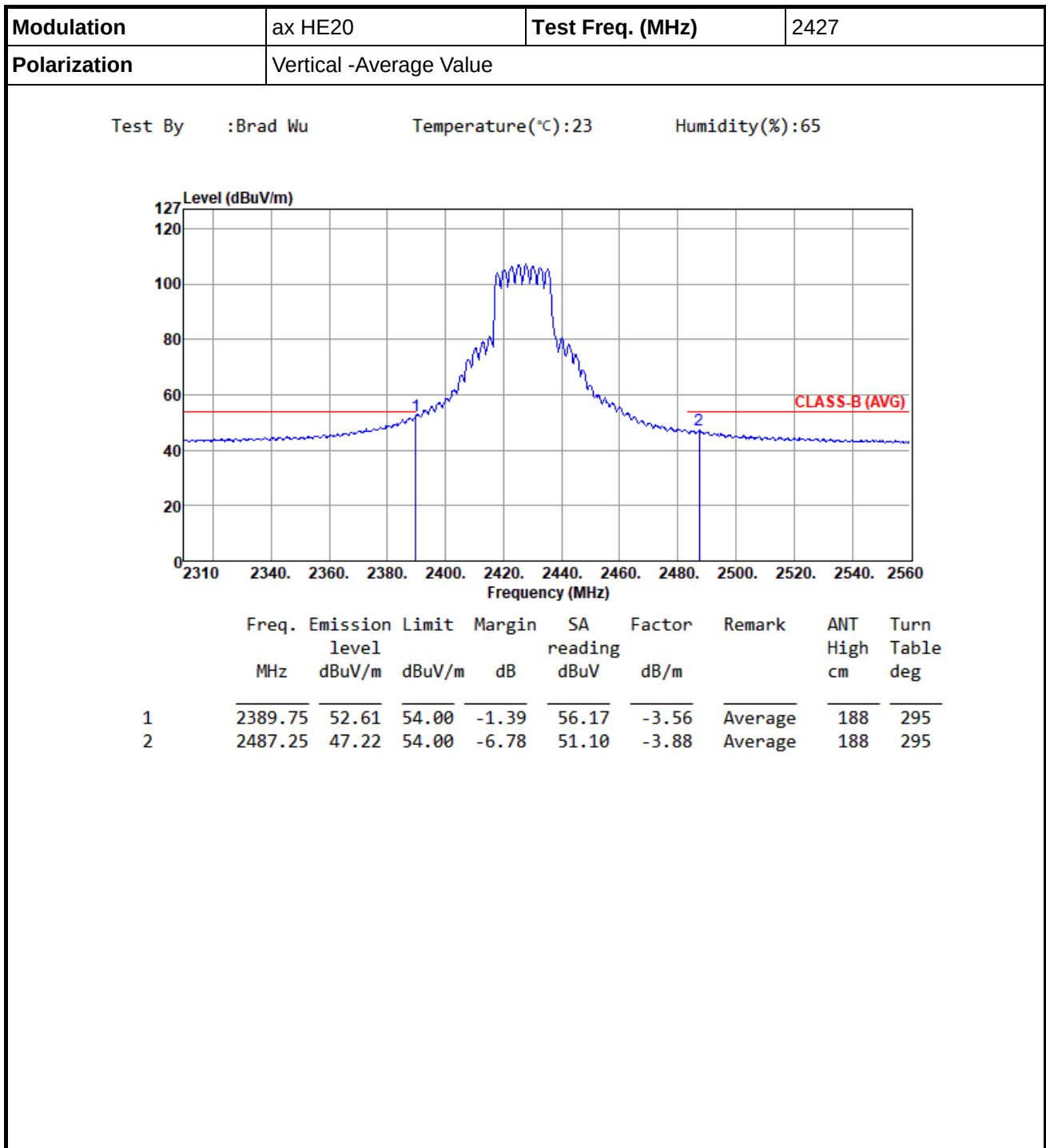


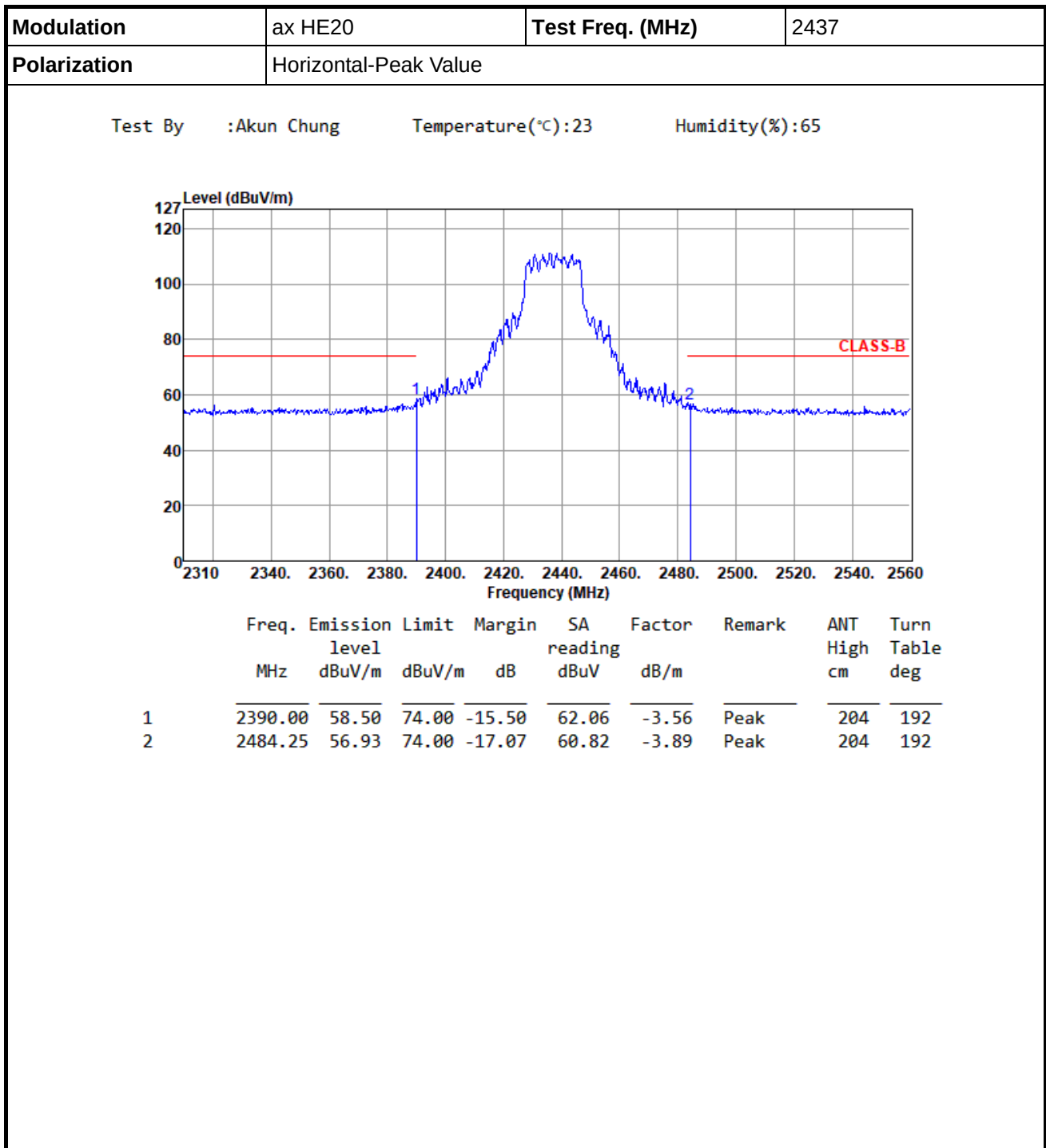


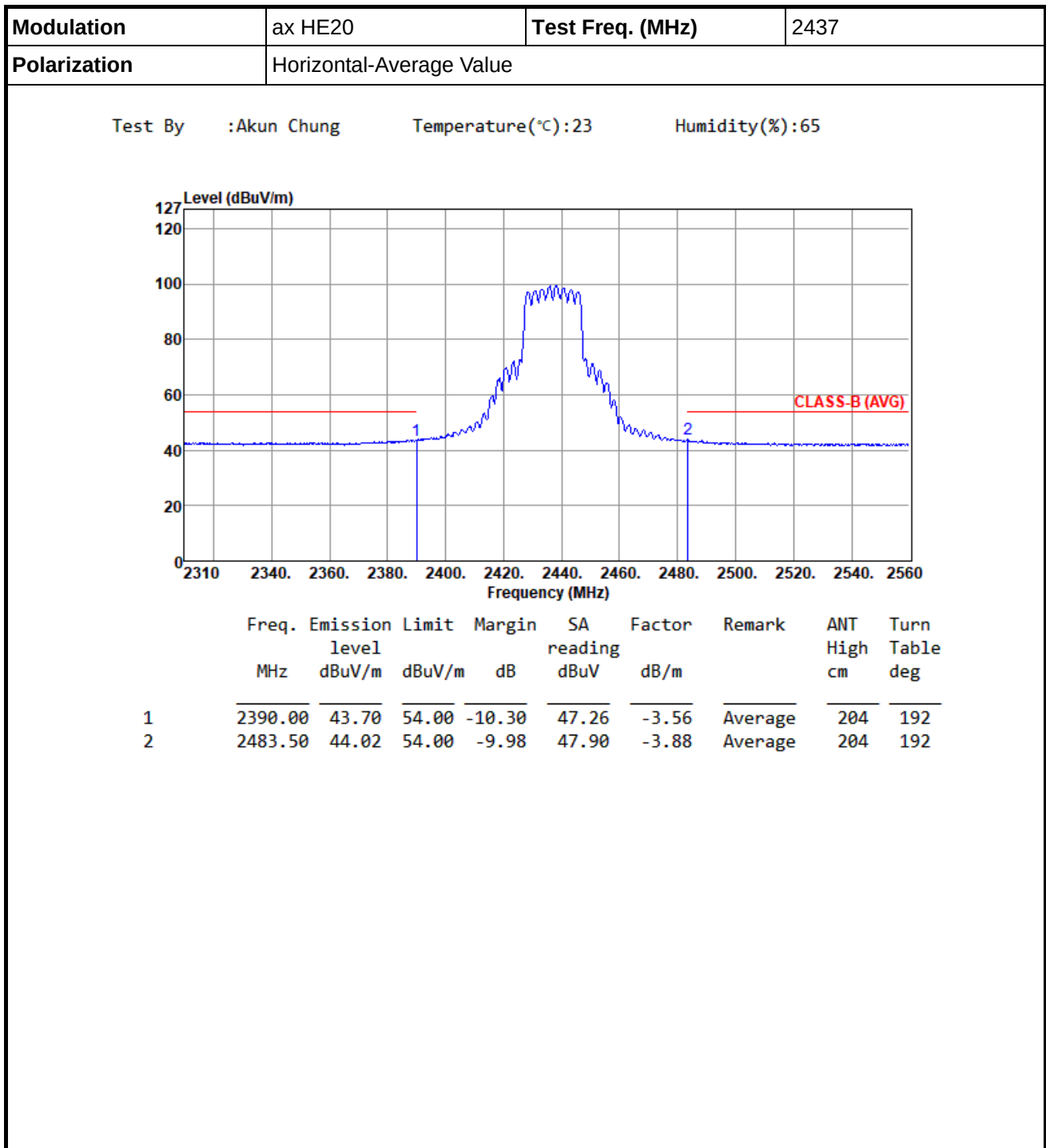


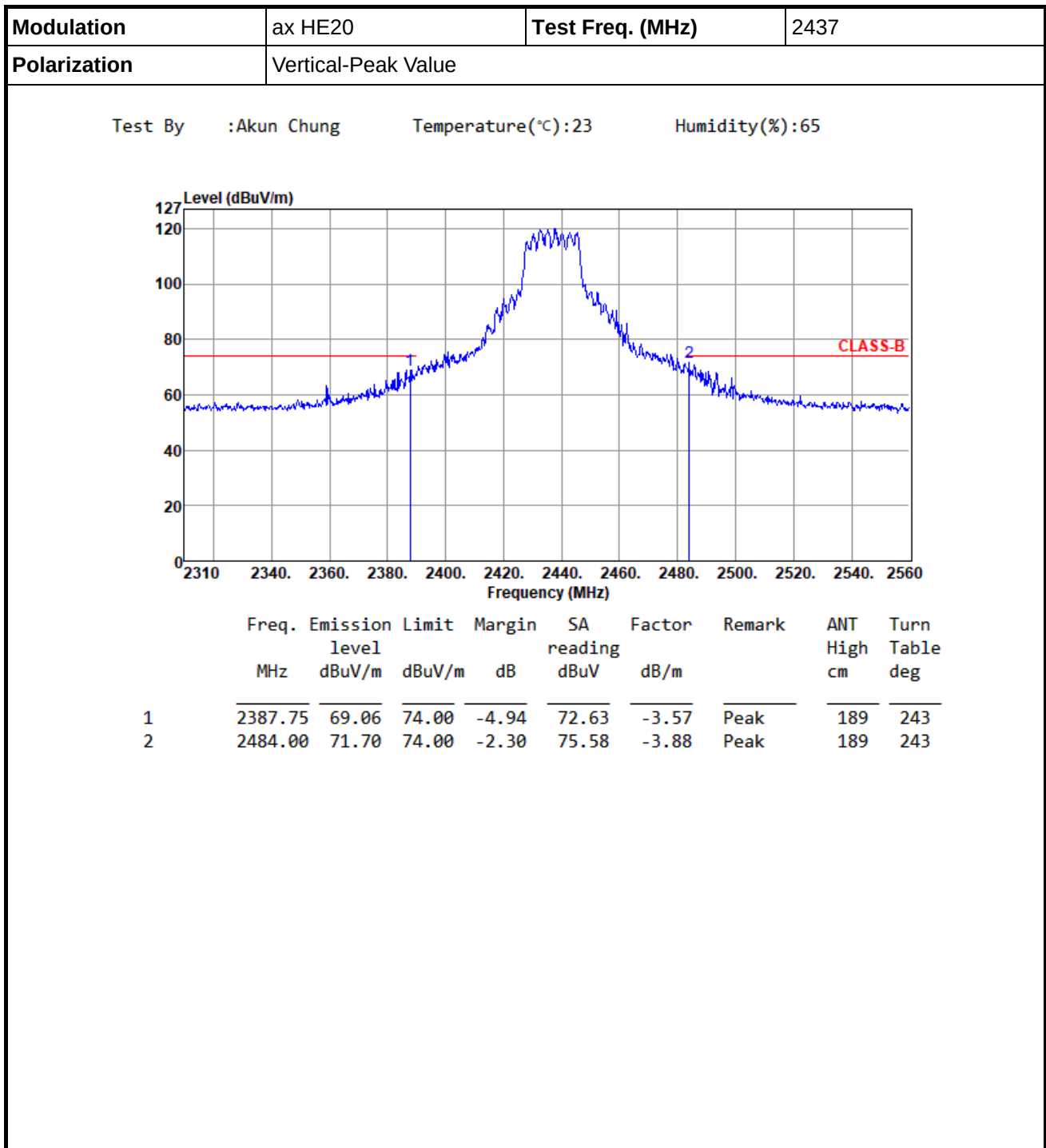








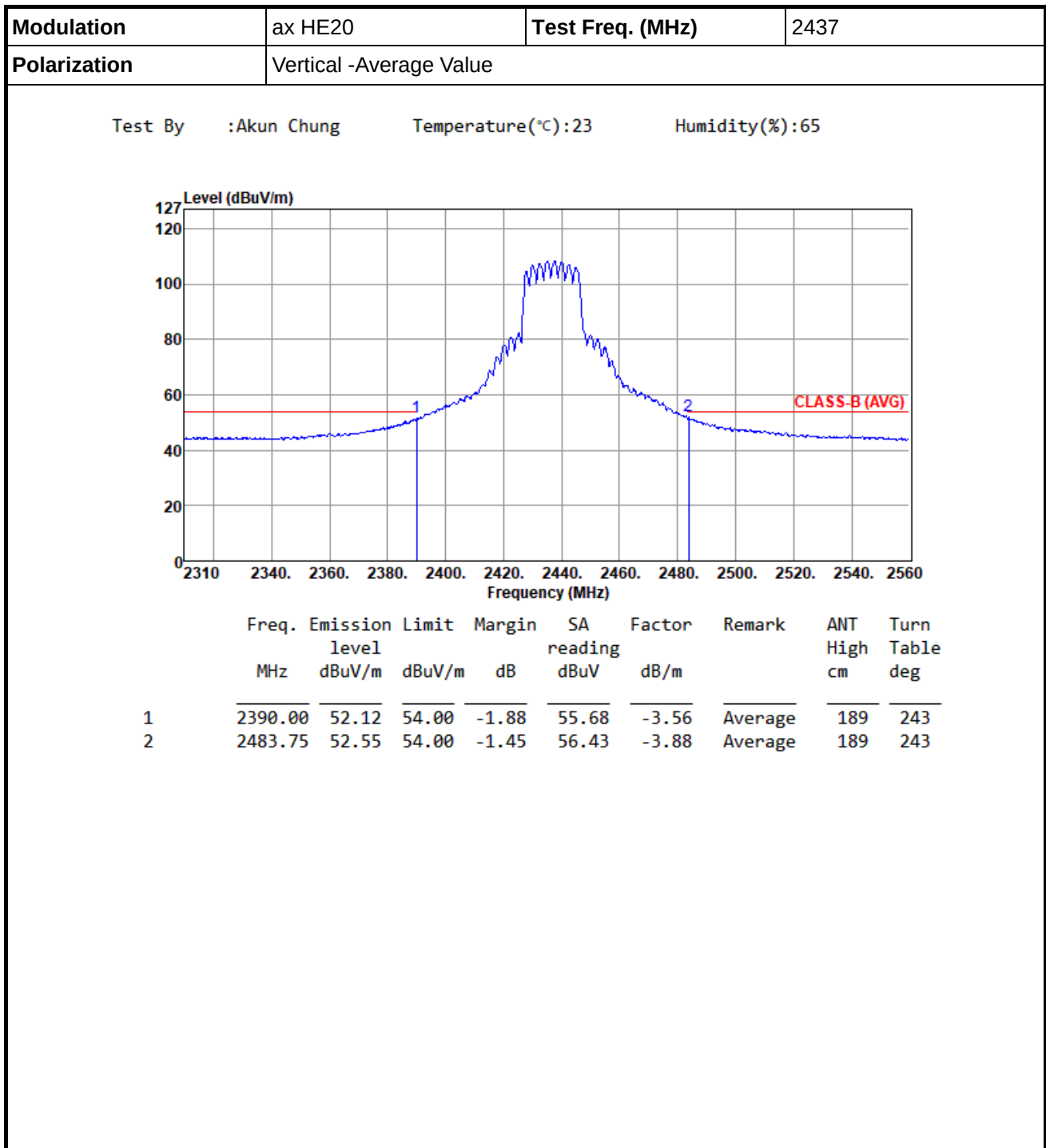


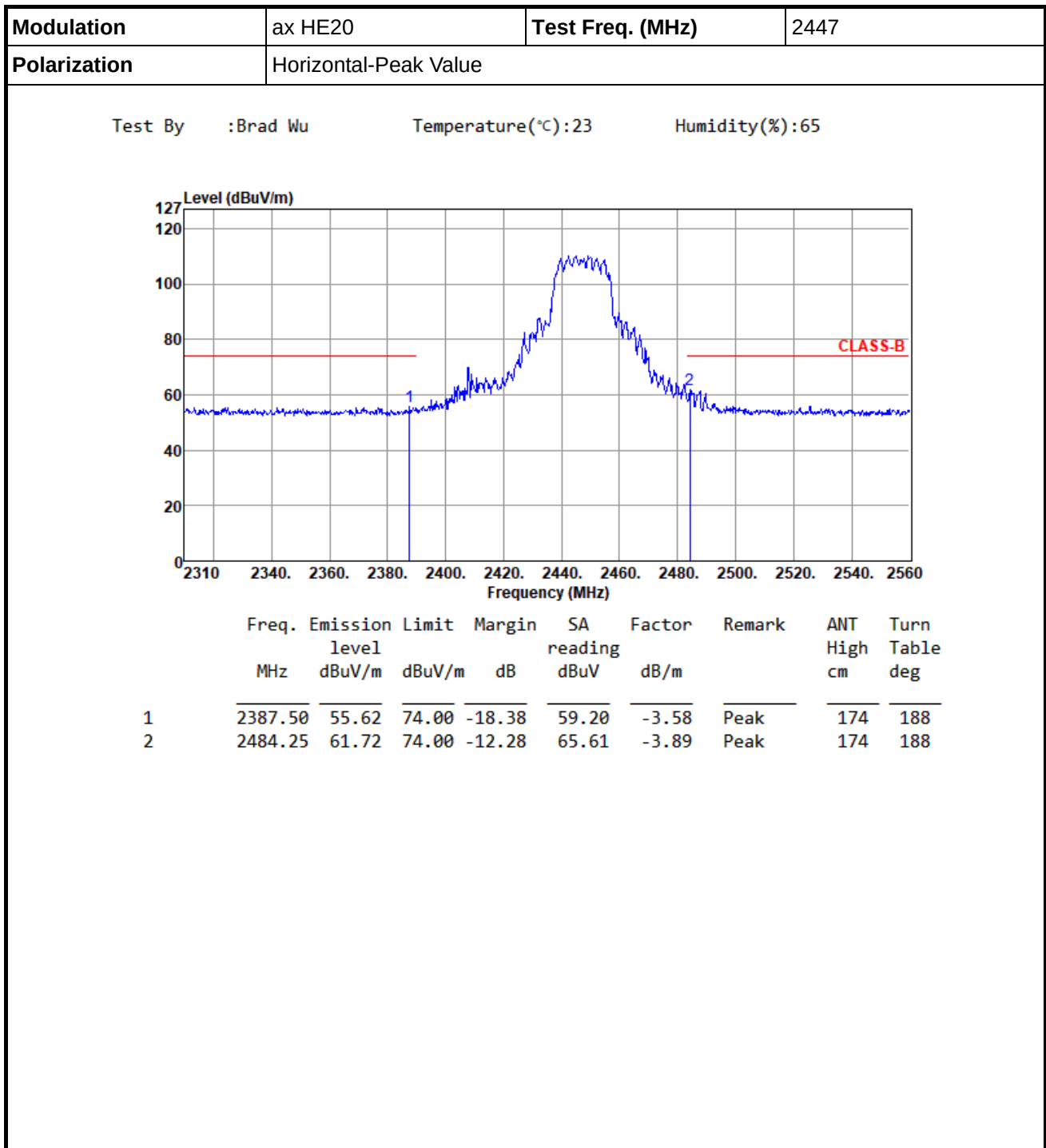


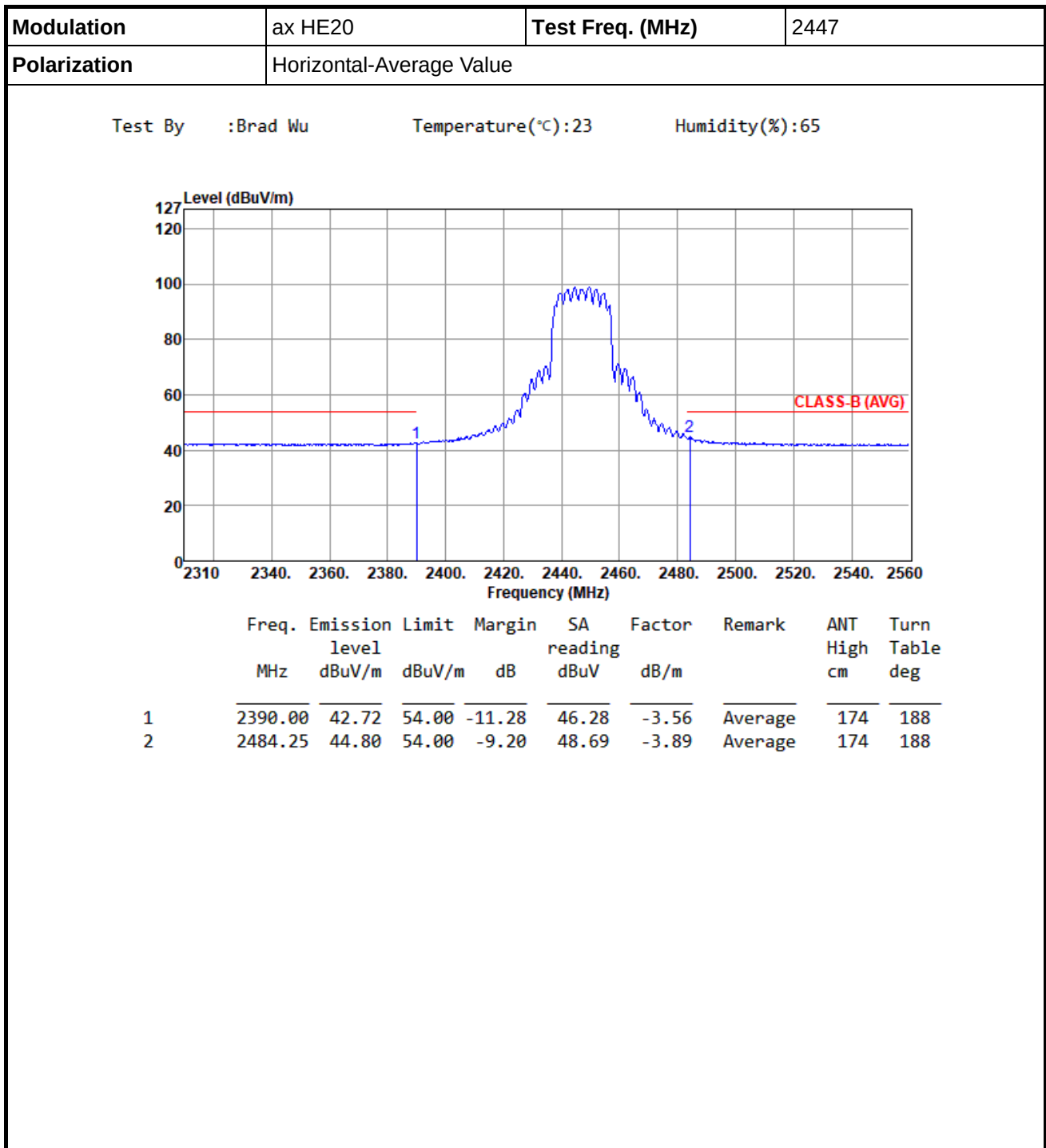


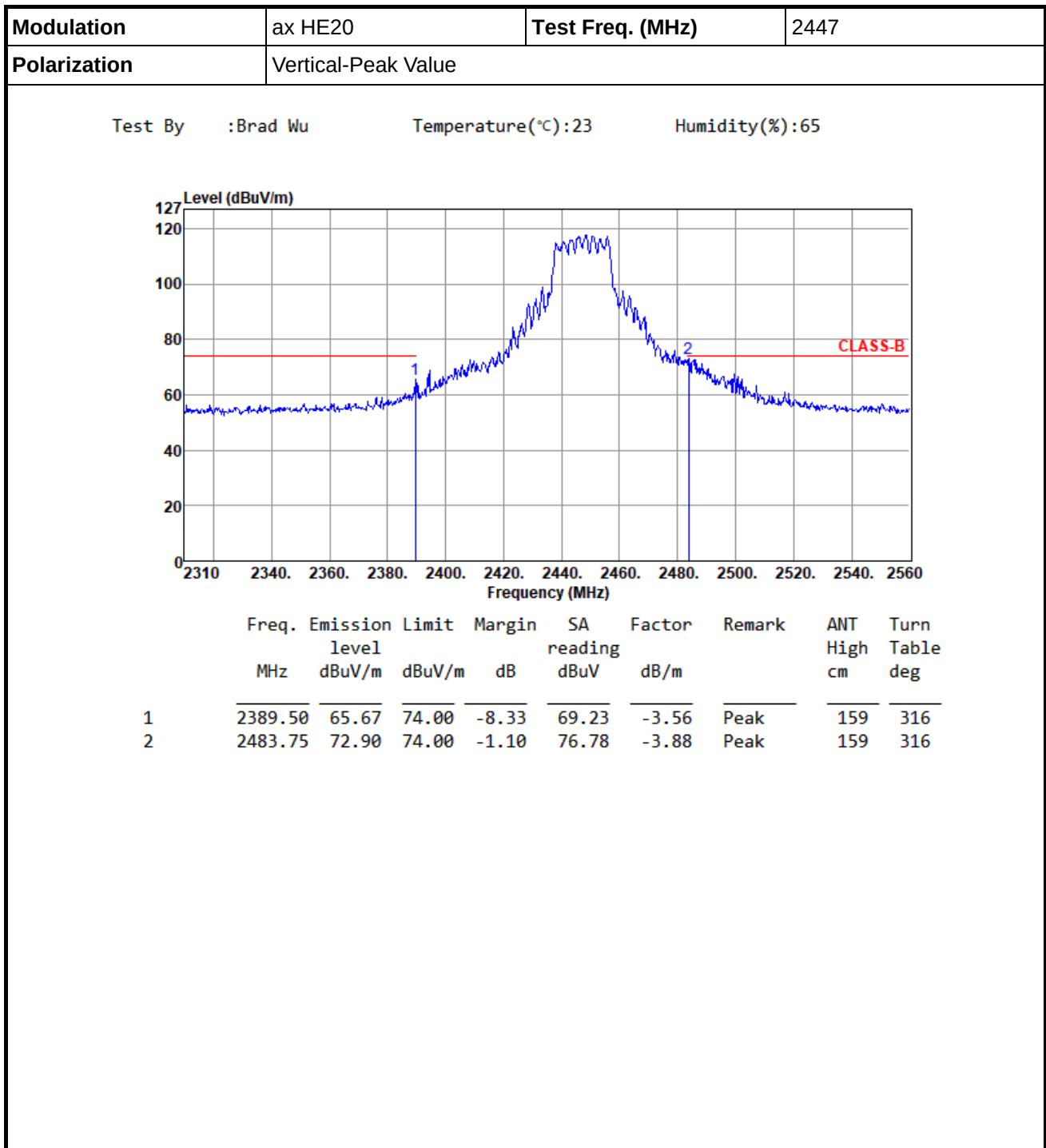
Band Edge measurement

Appendix D





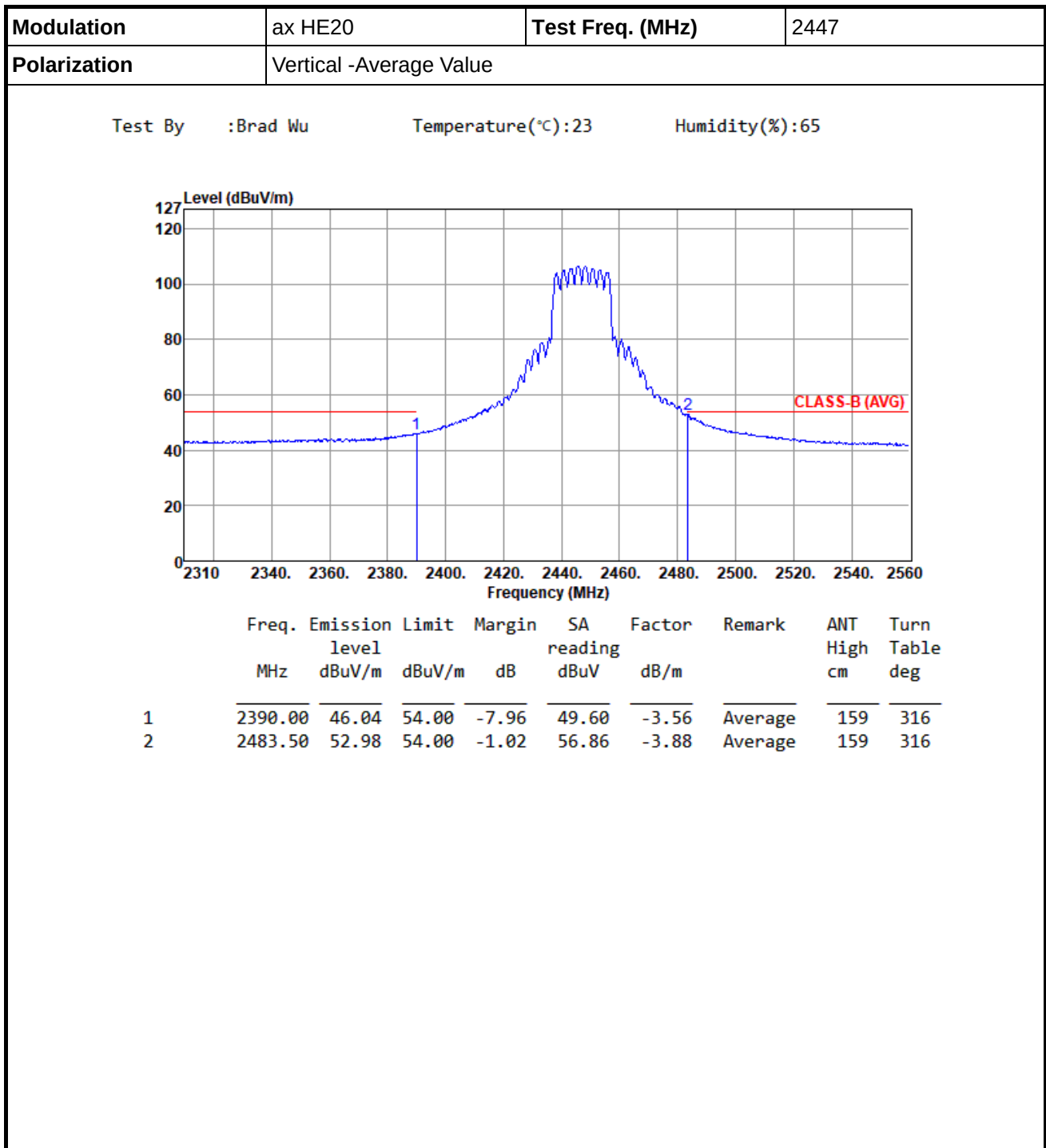


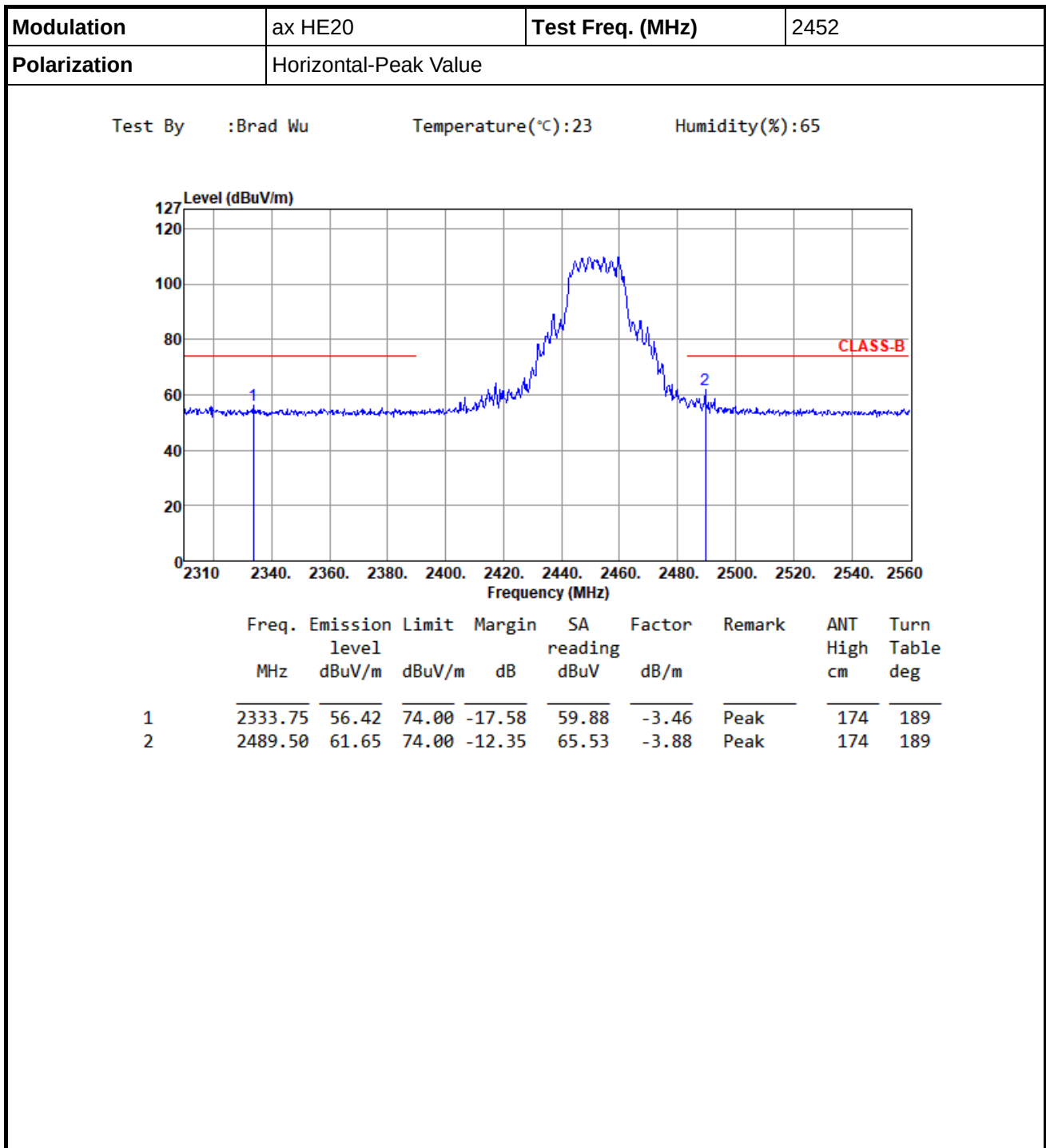


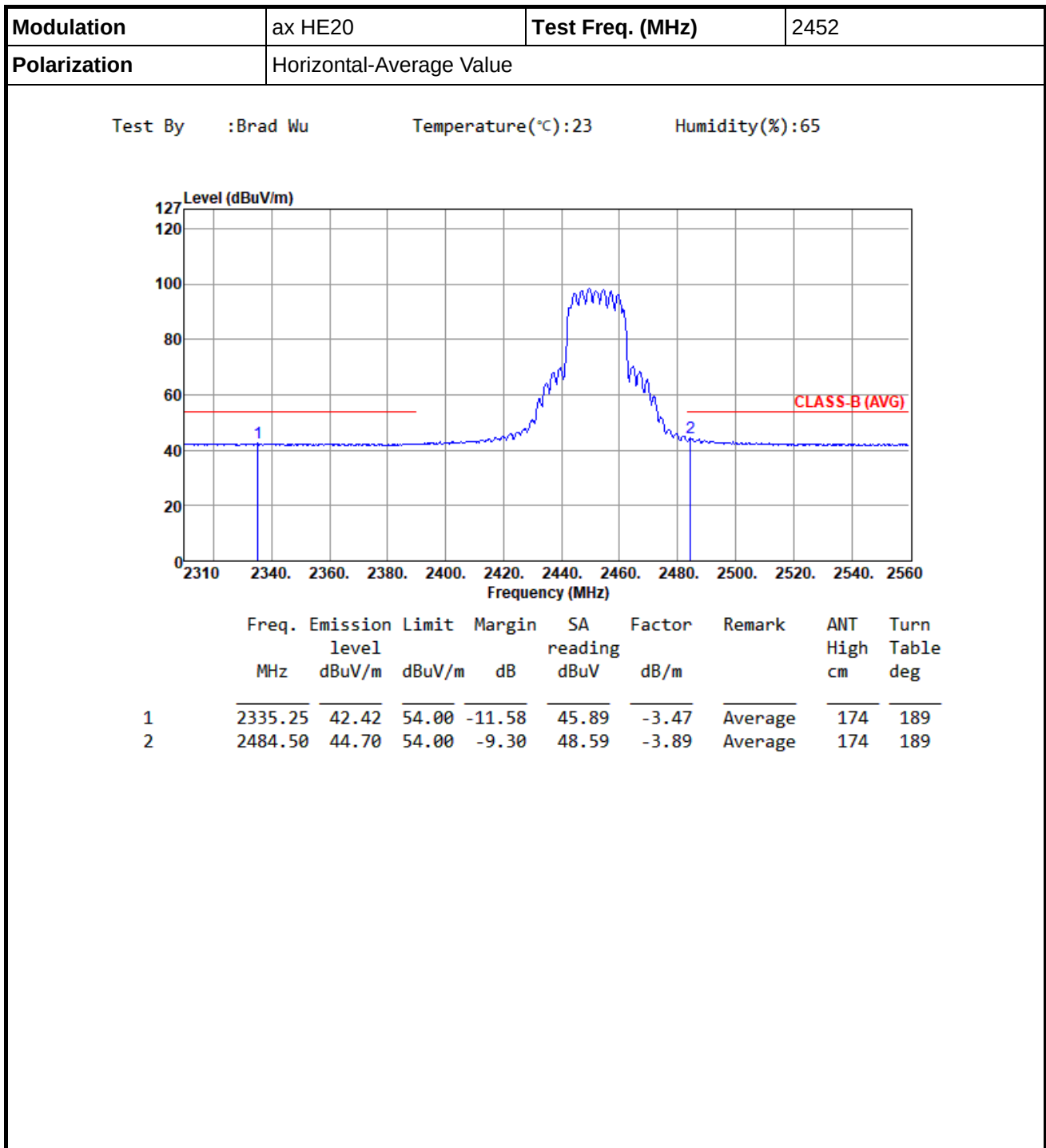


Band Edge measurement

Appendix D



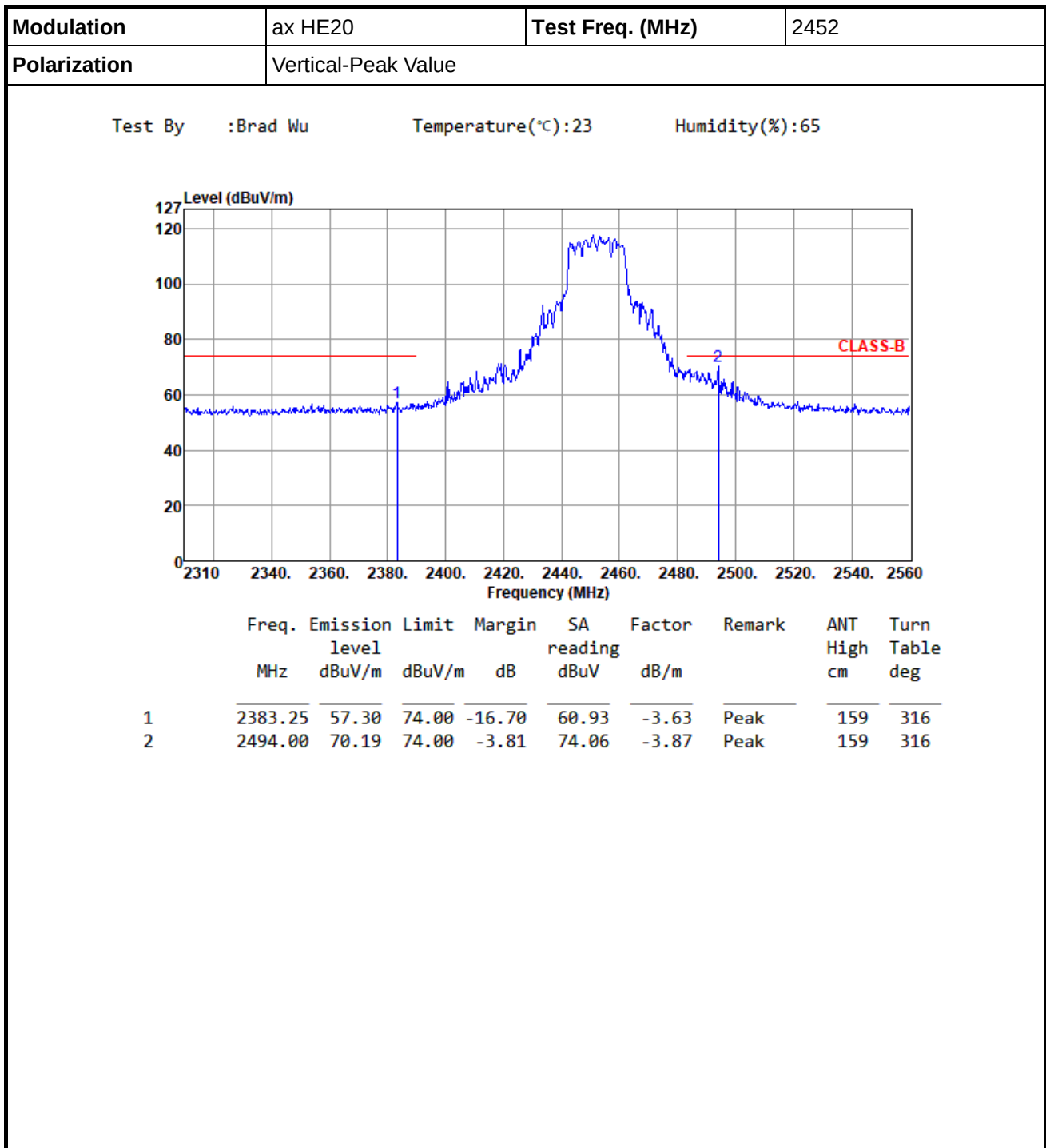






Band Edge measurement

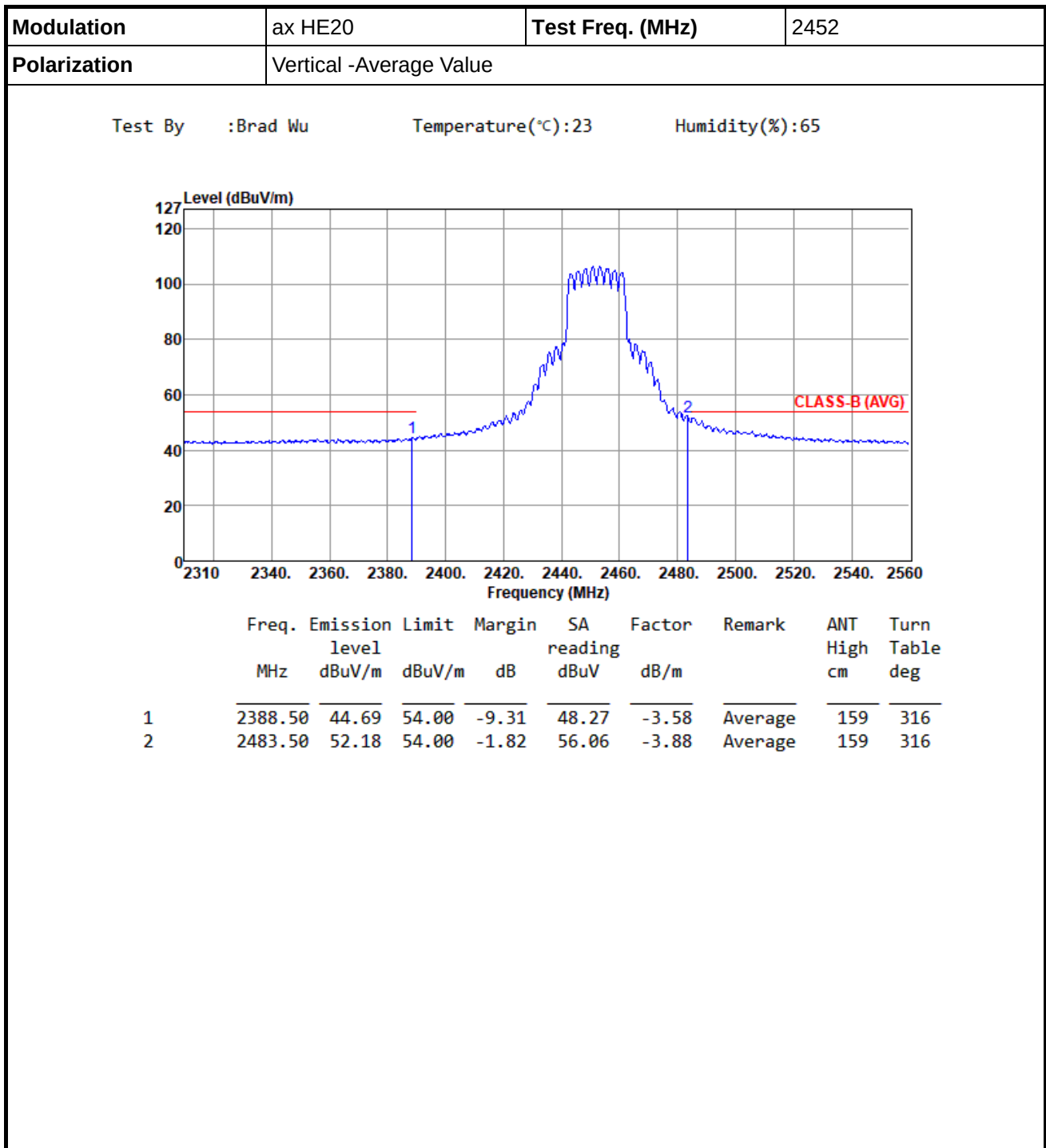
Appendix D

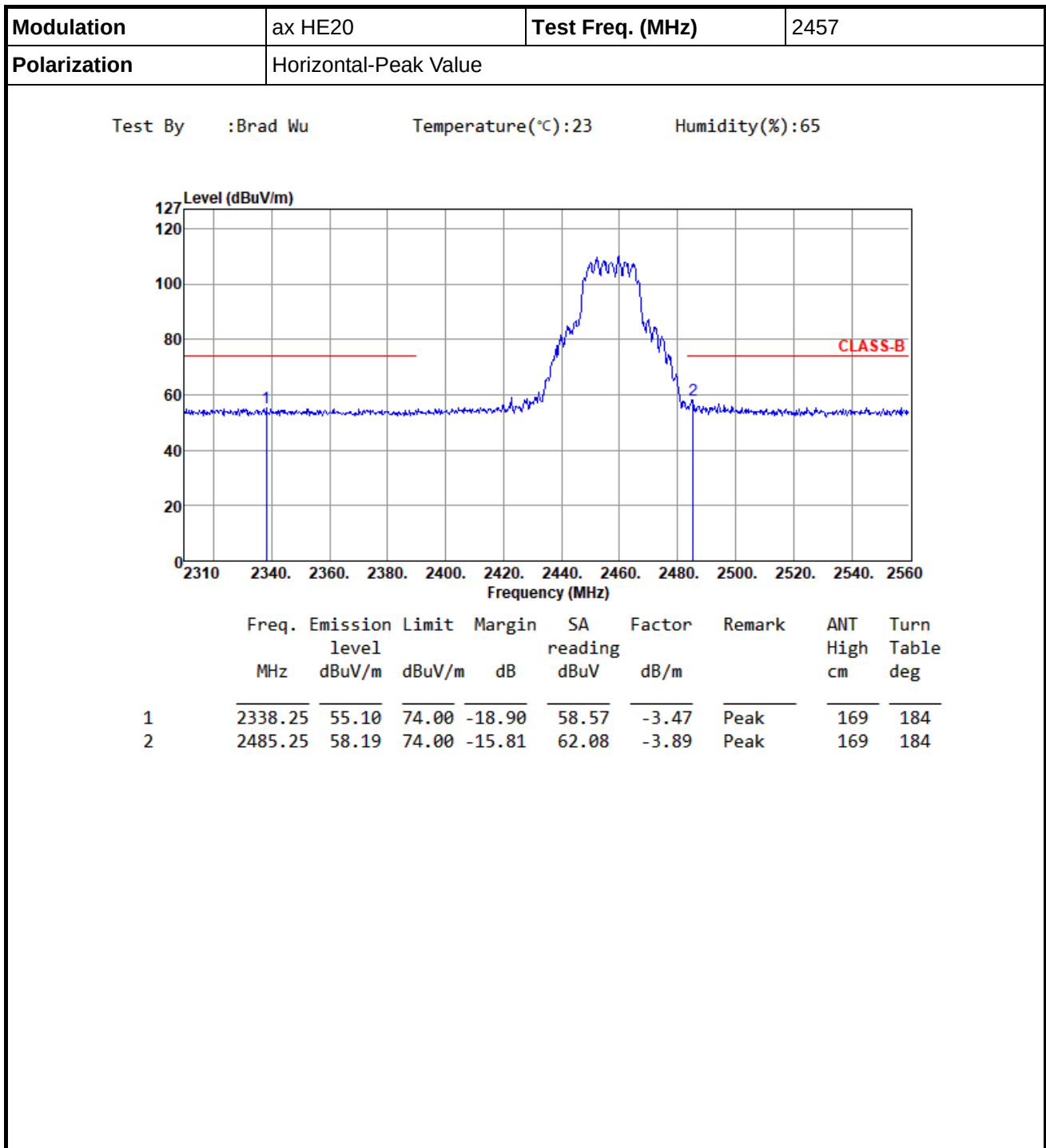


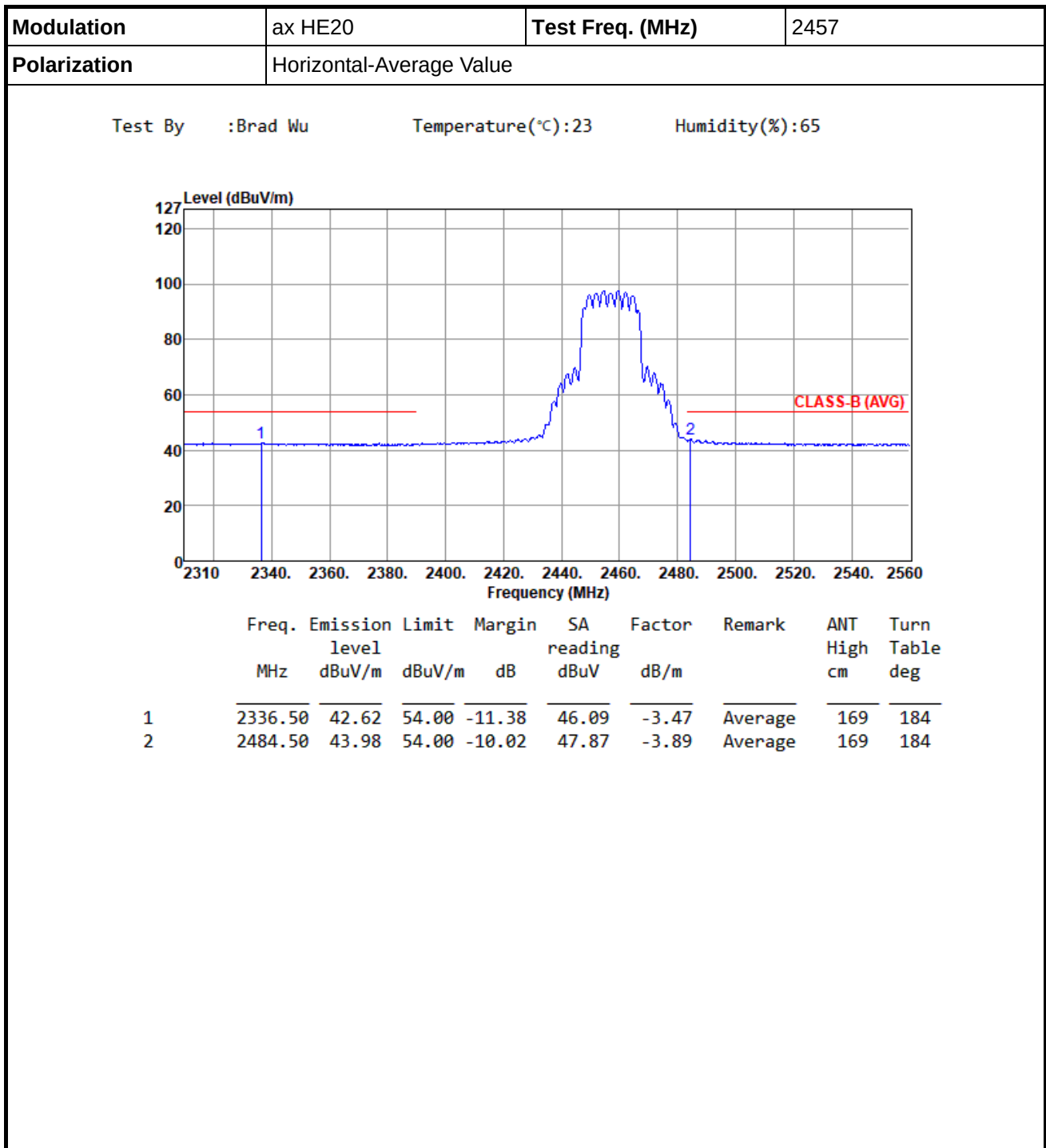


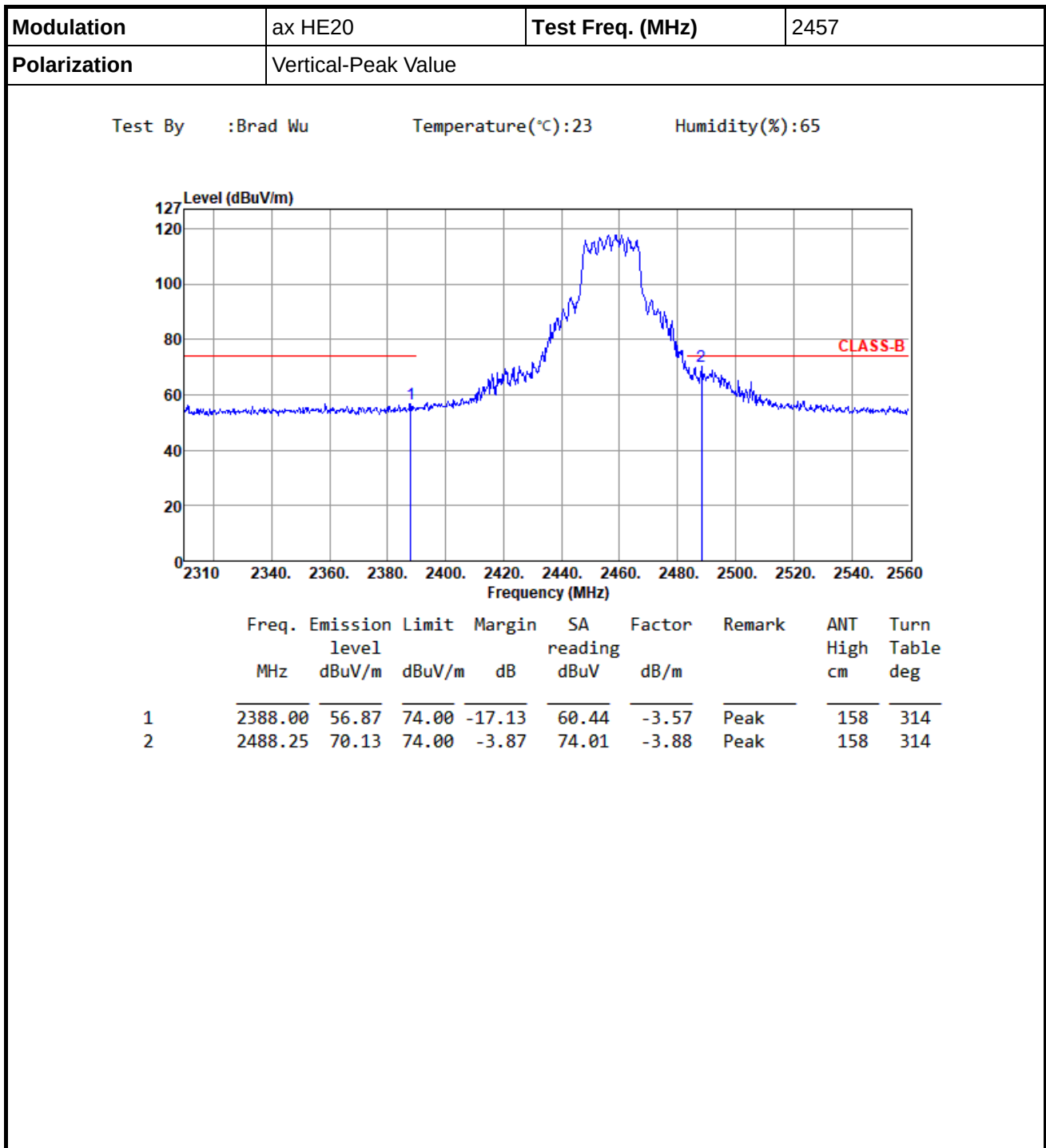
Band Edge measurement

Appendix D





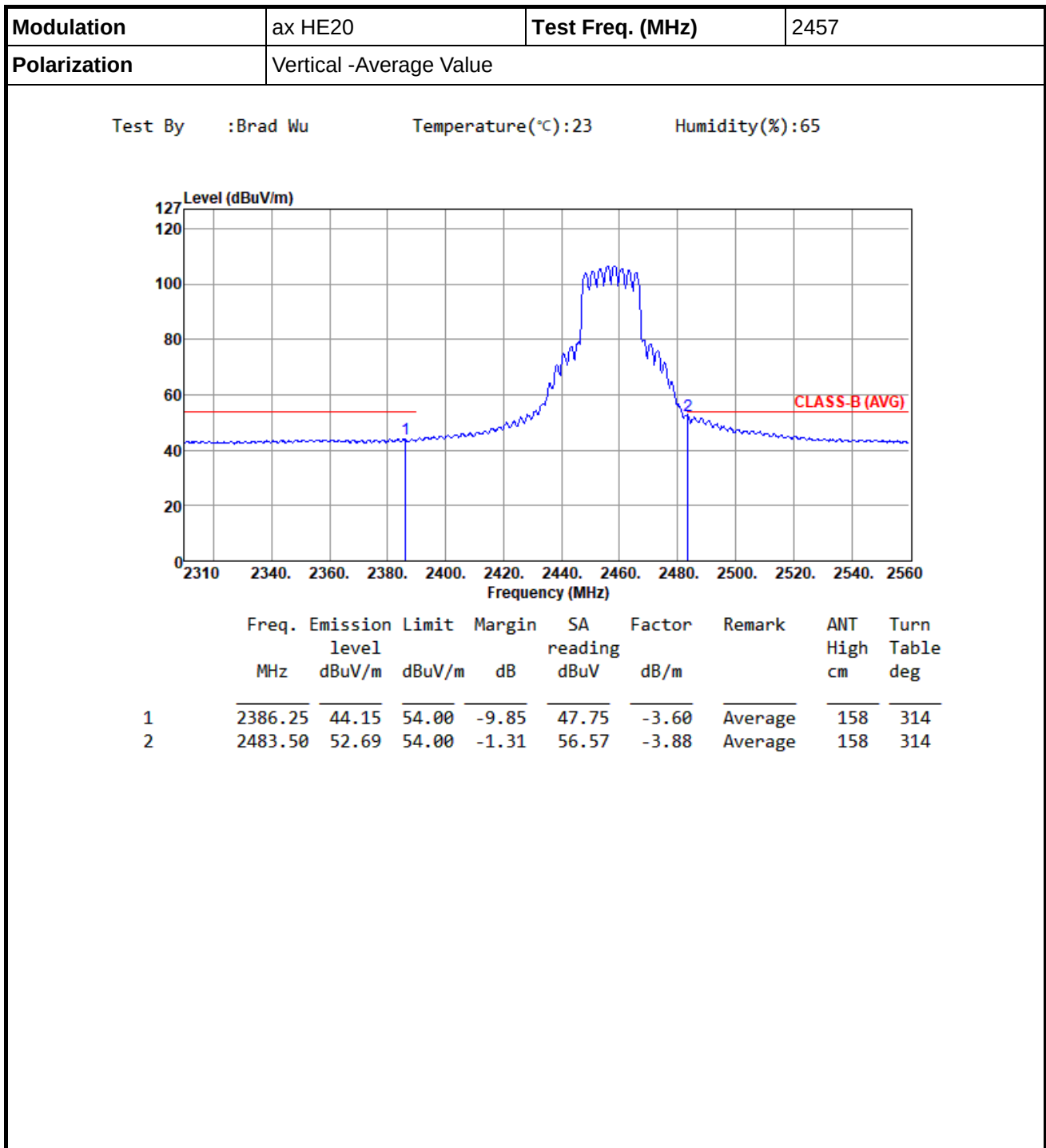


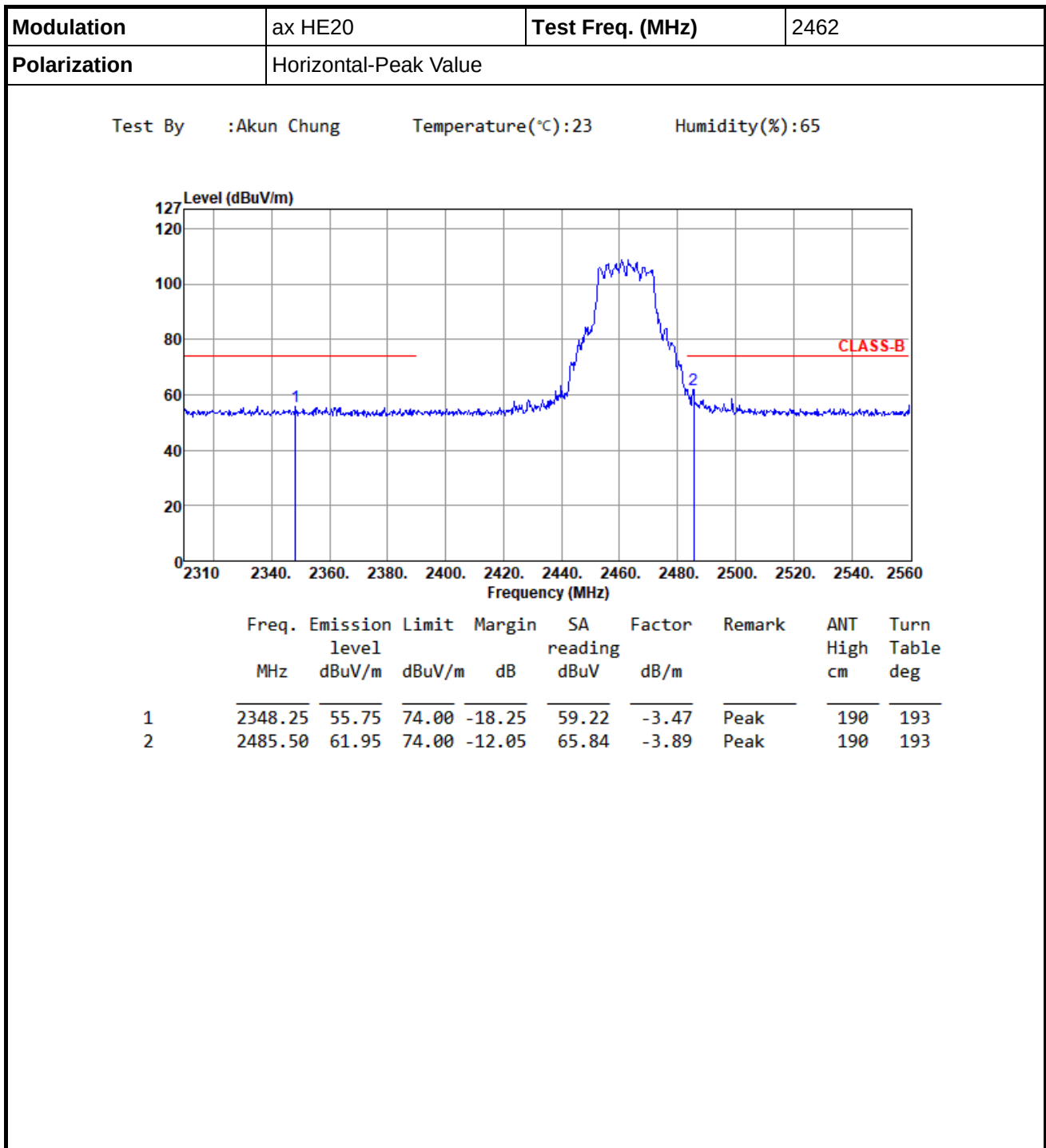


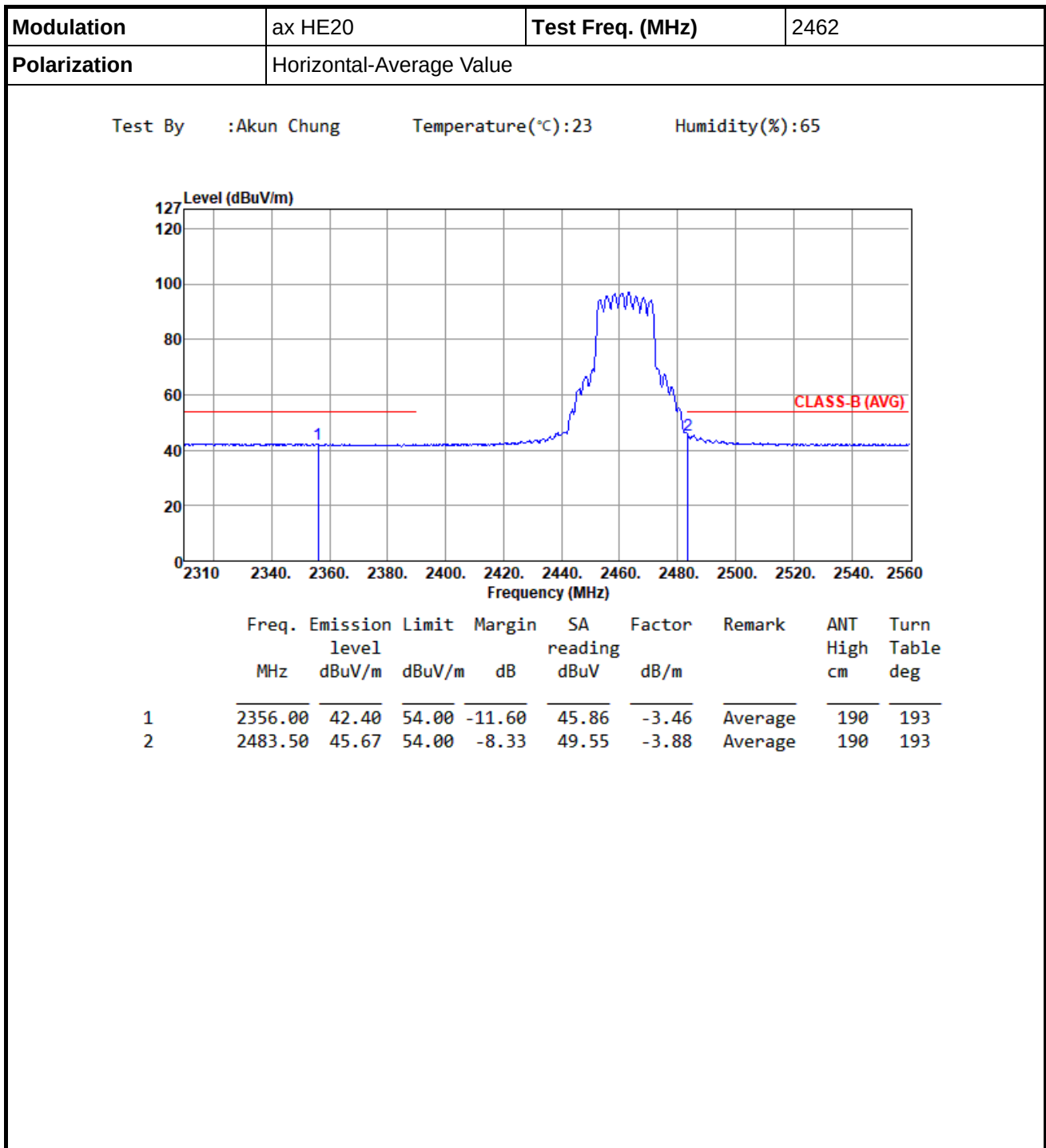


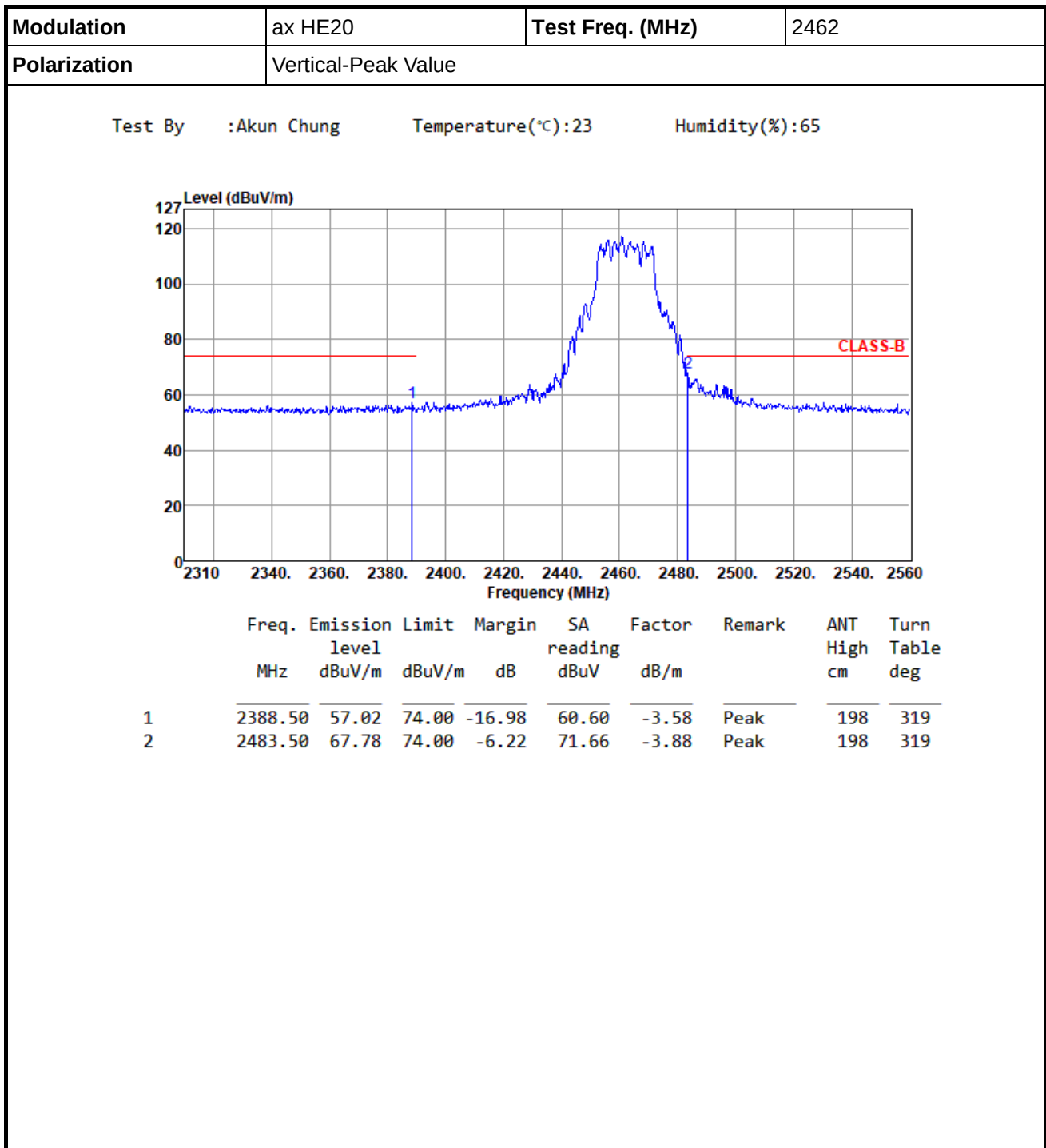
Band Edge measurement

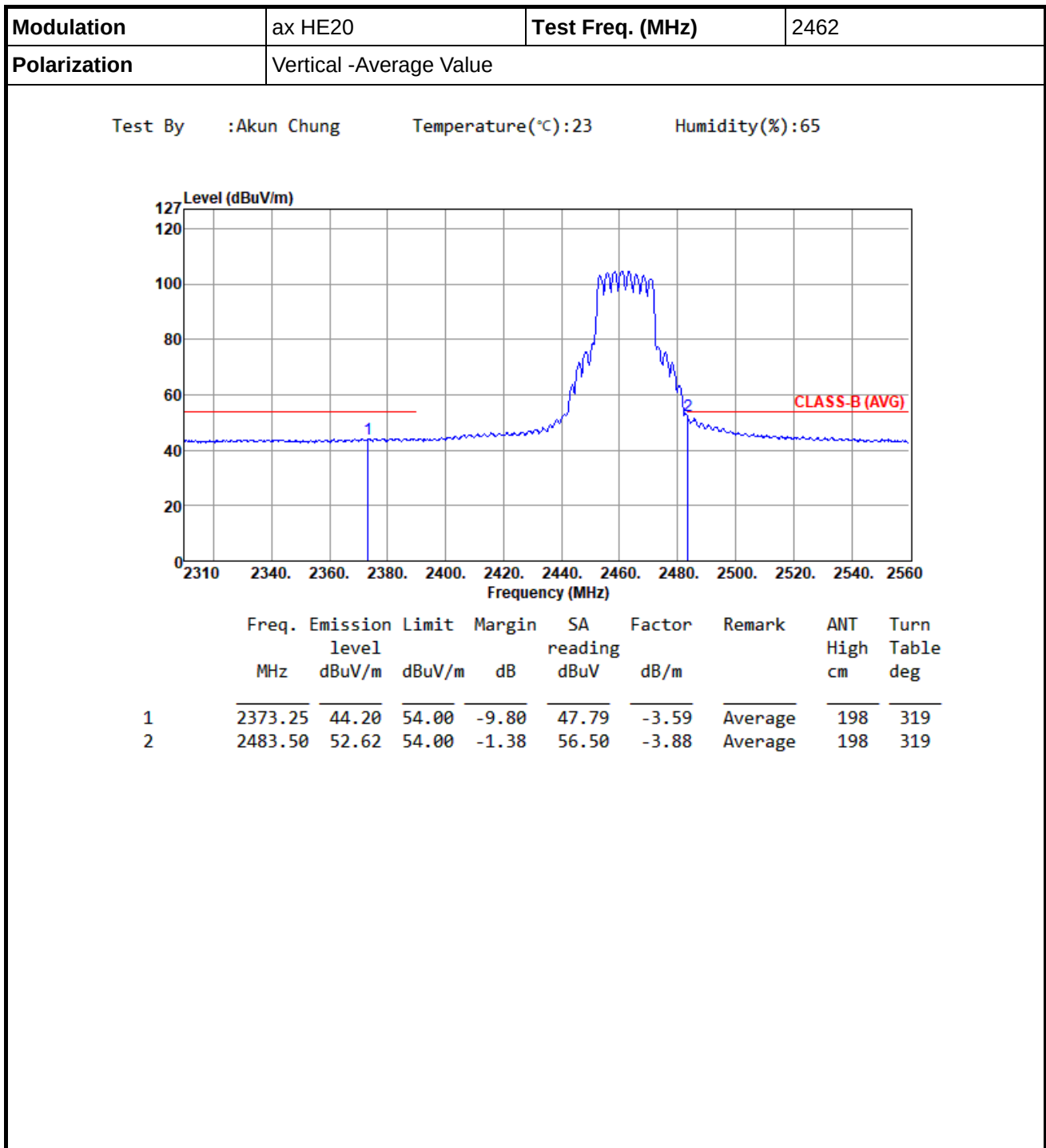
Appendix D

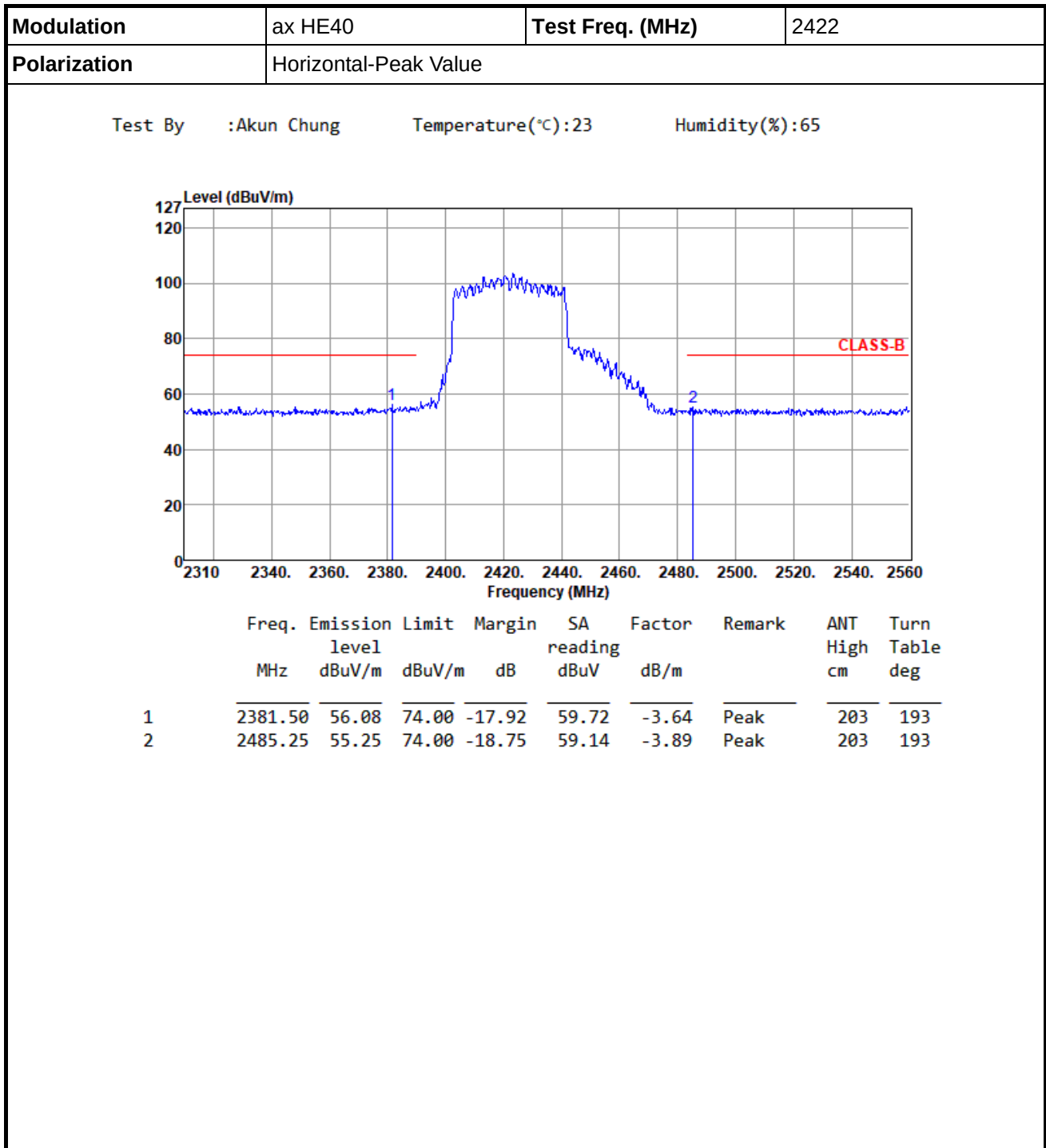


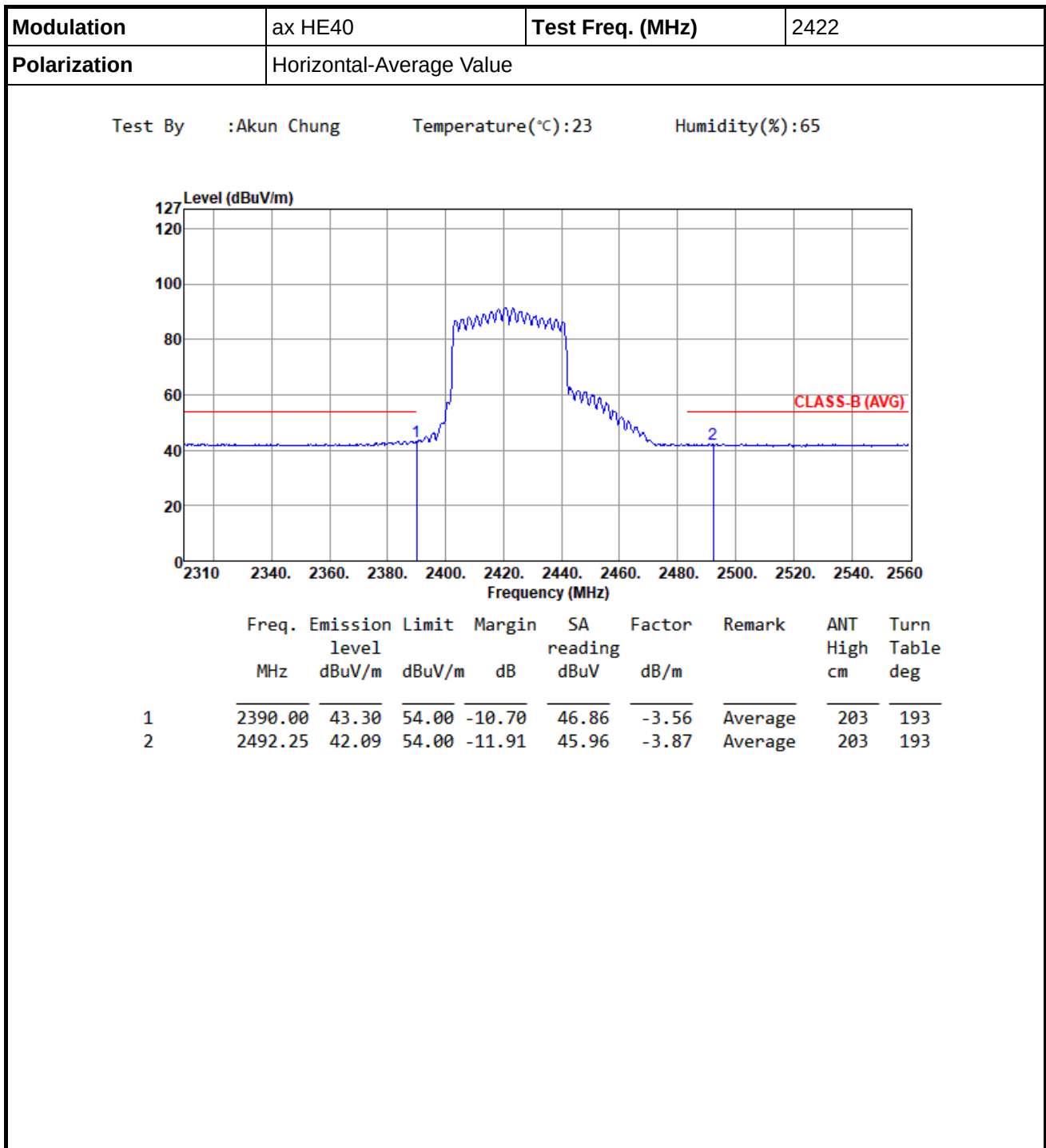


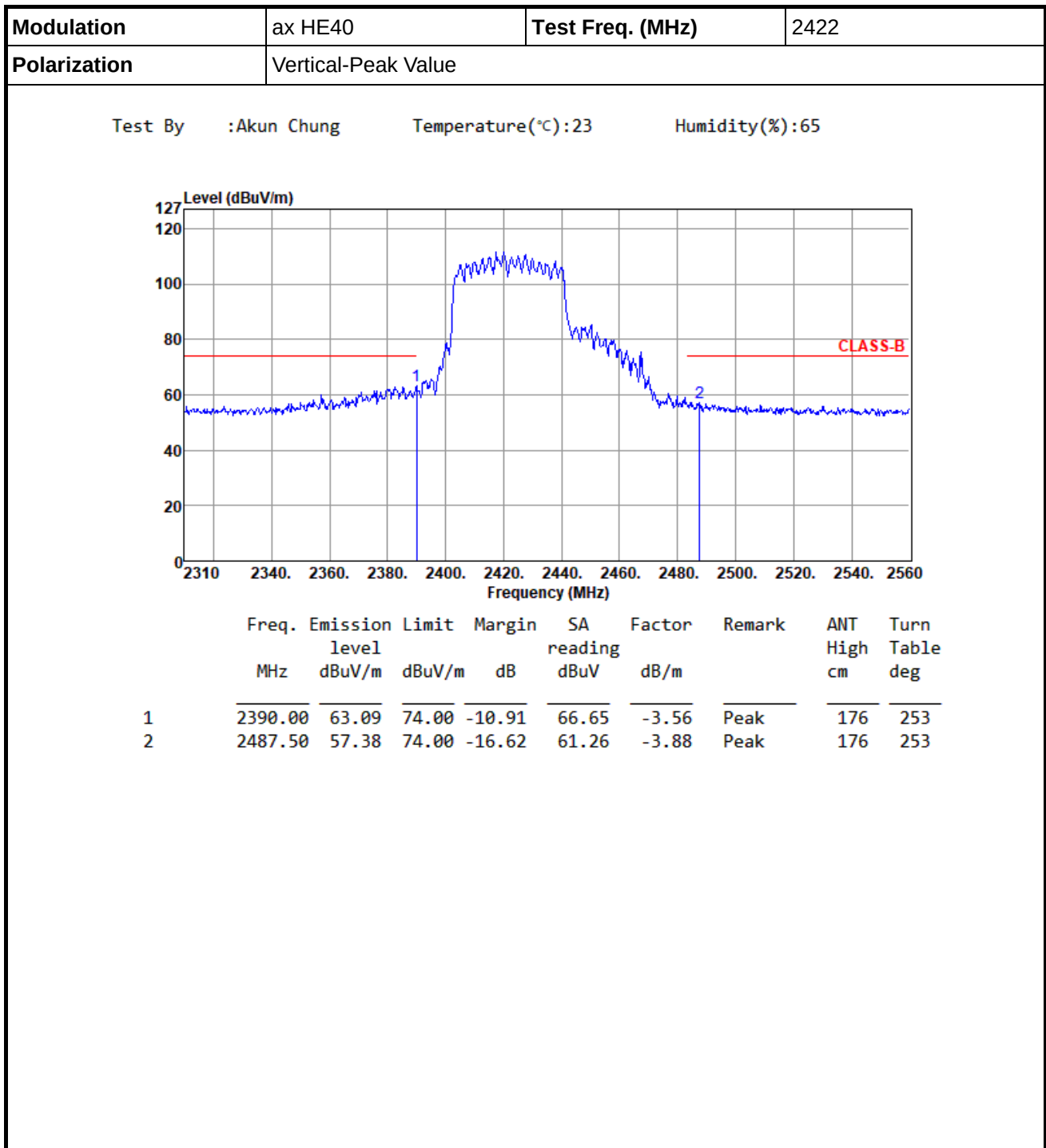


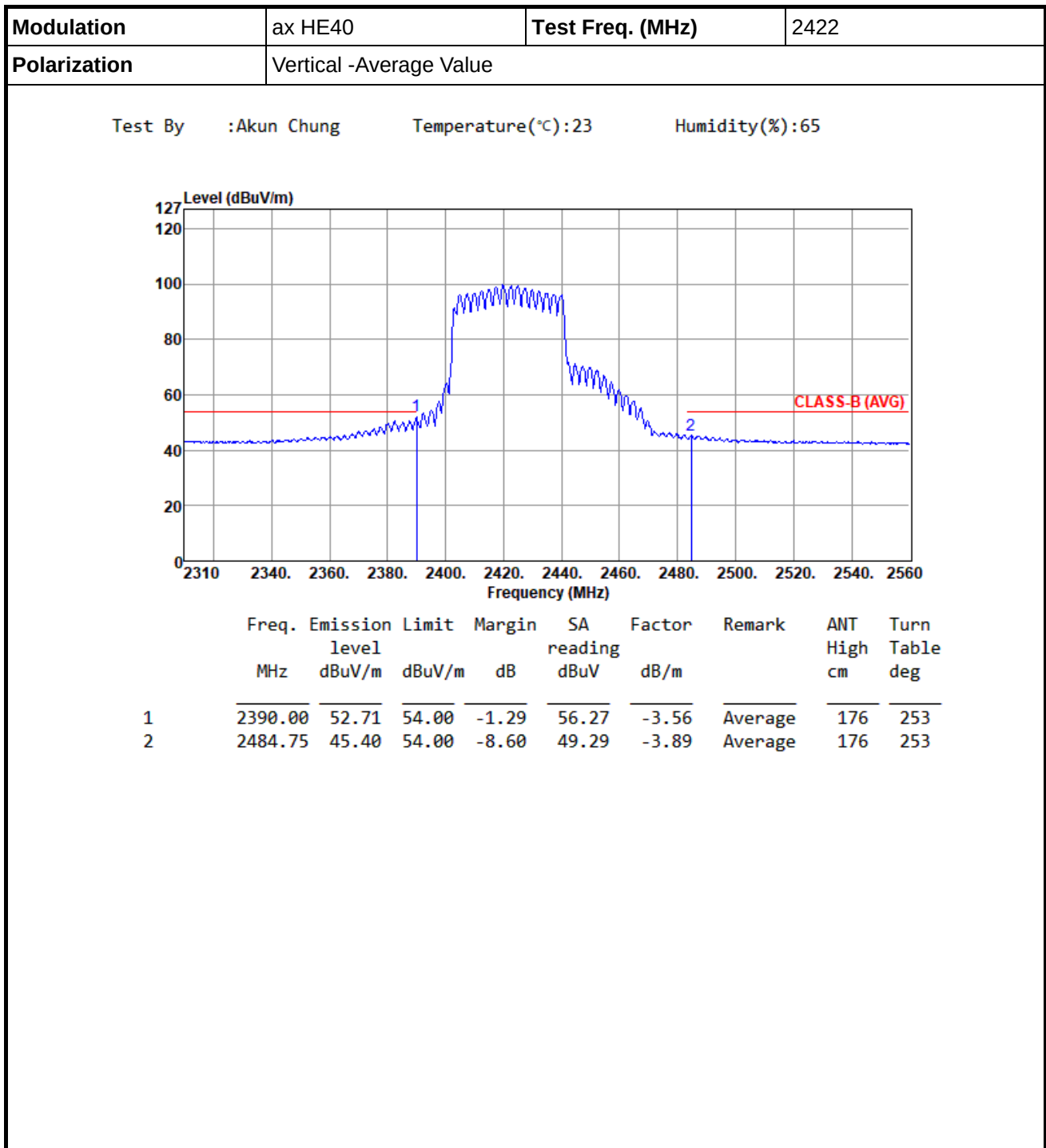


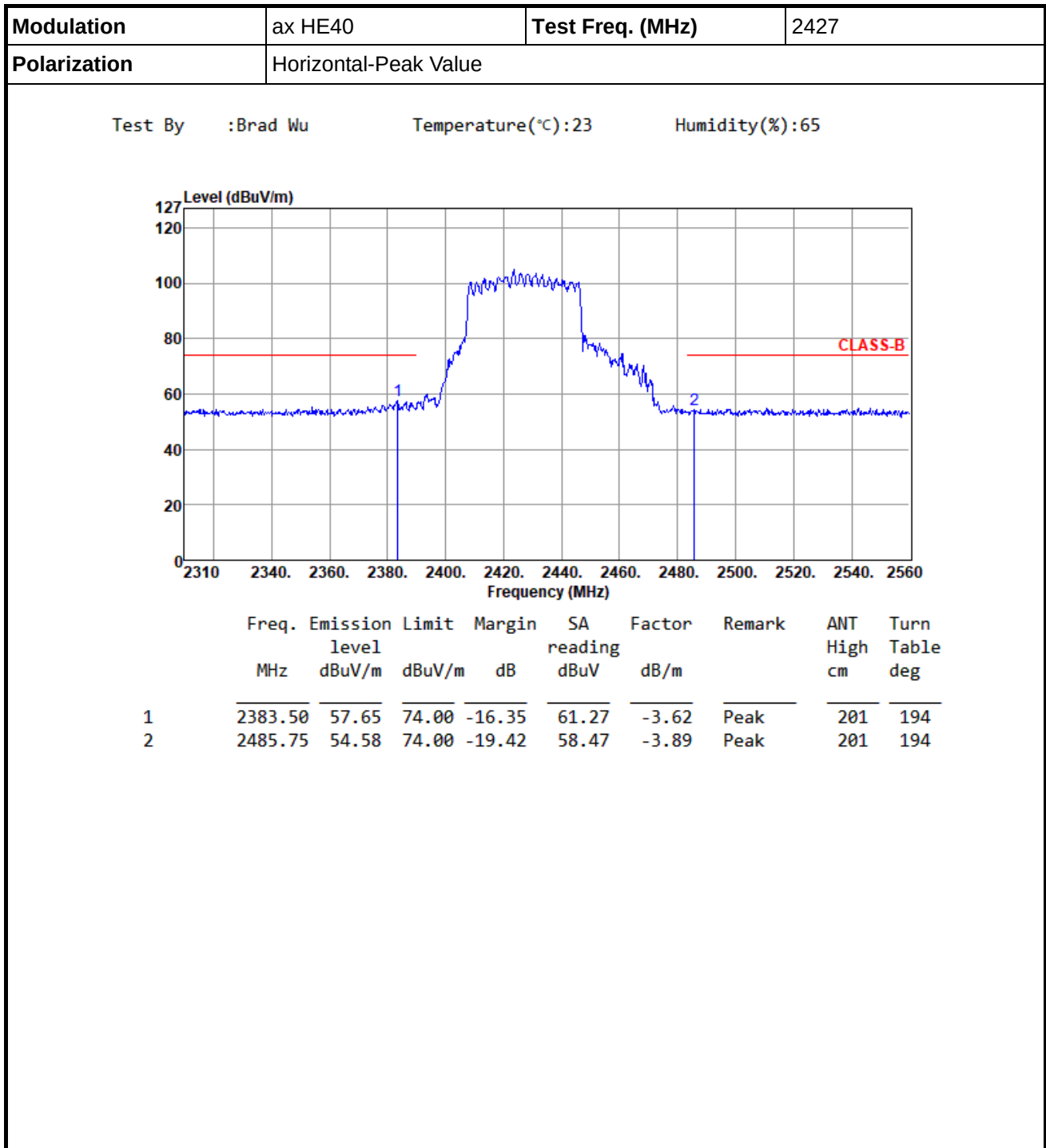


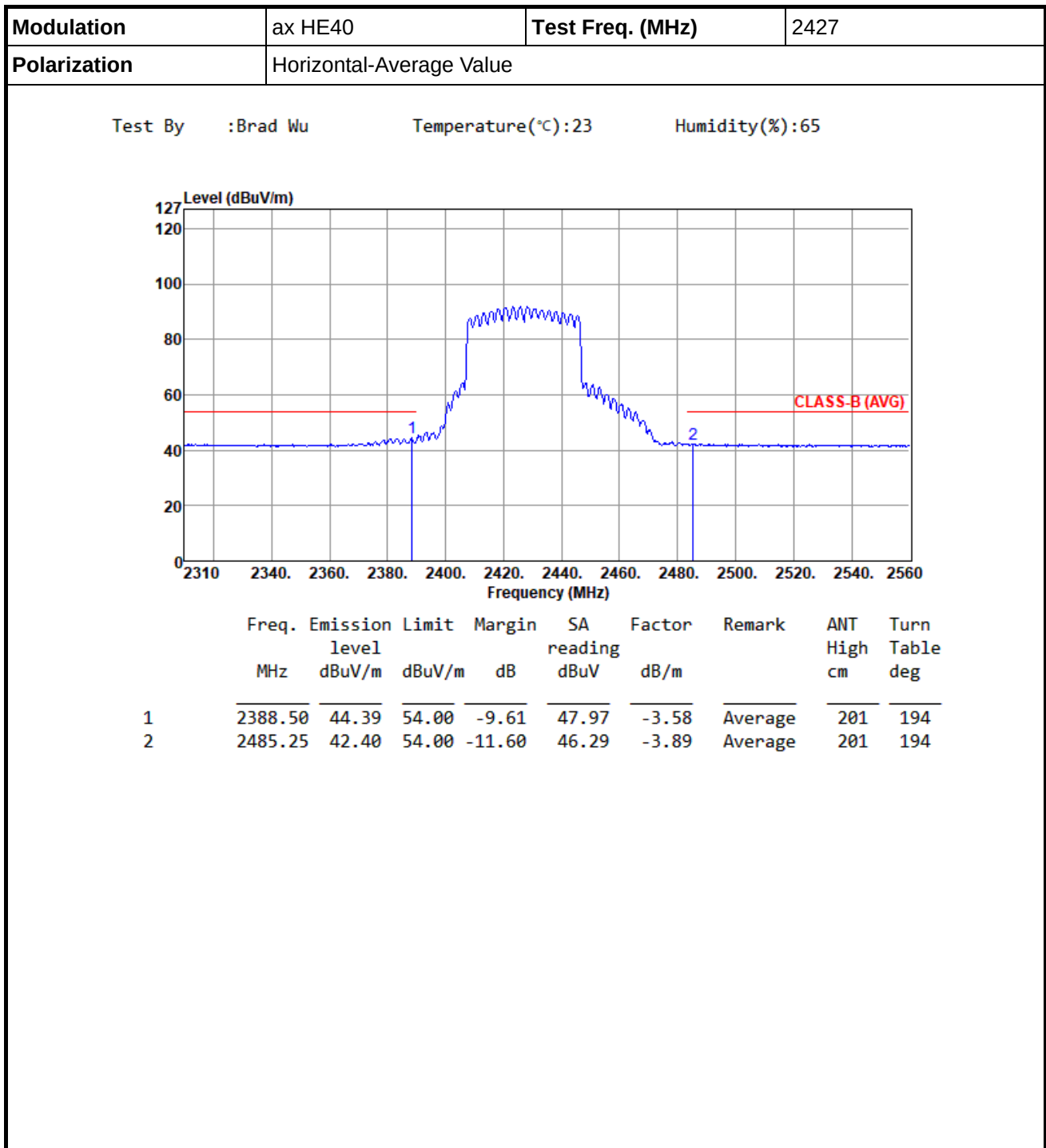


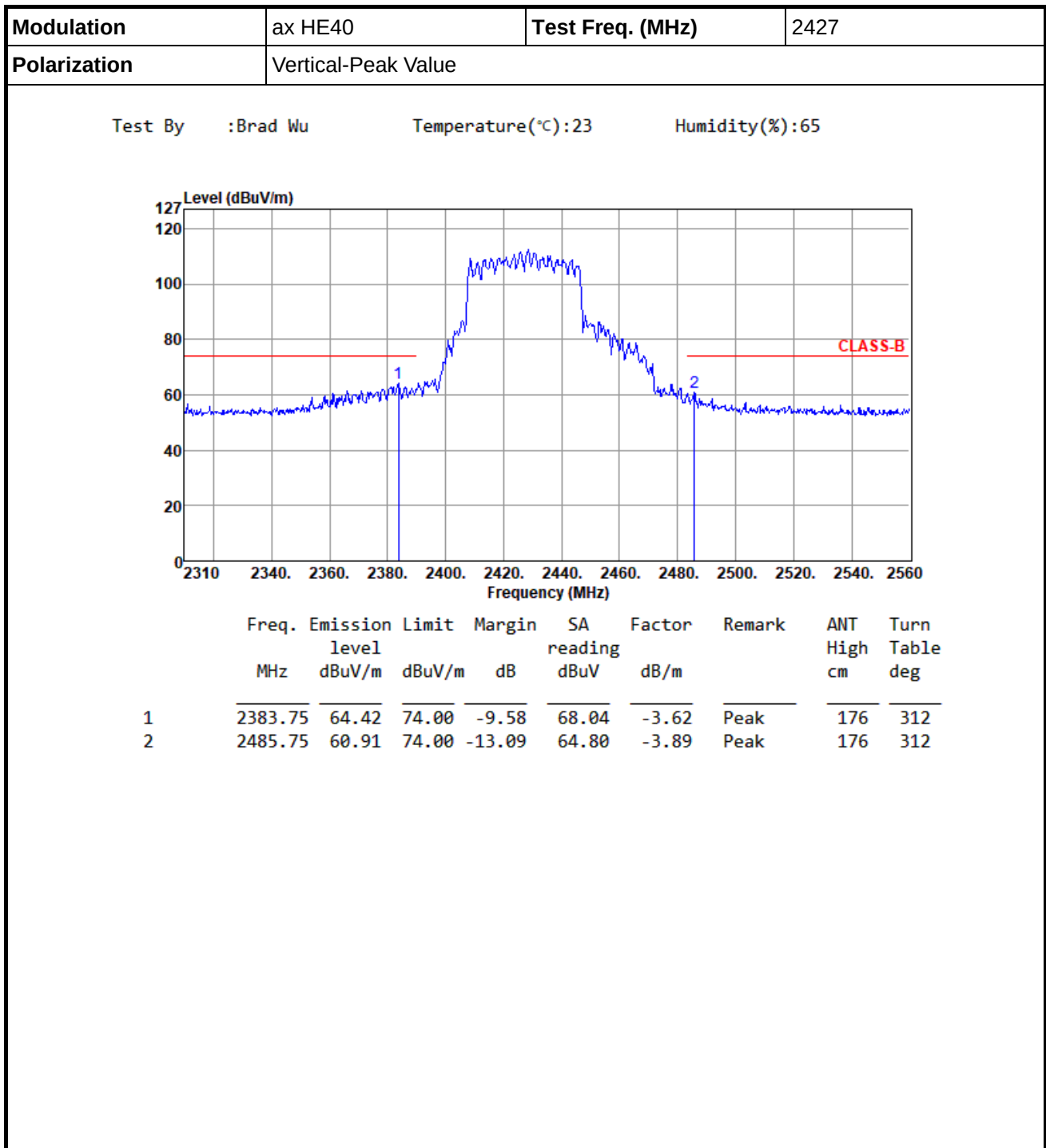








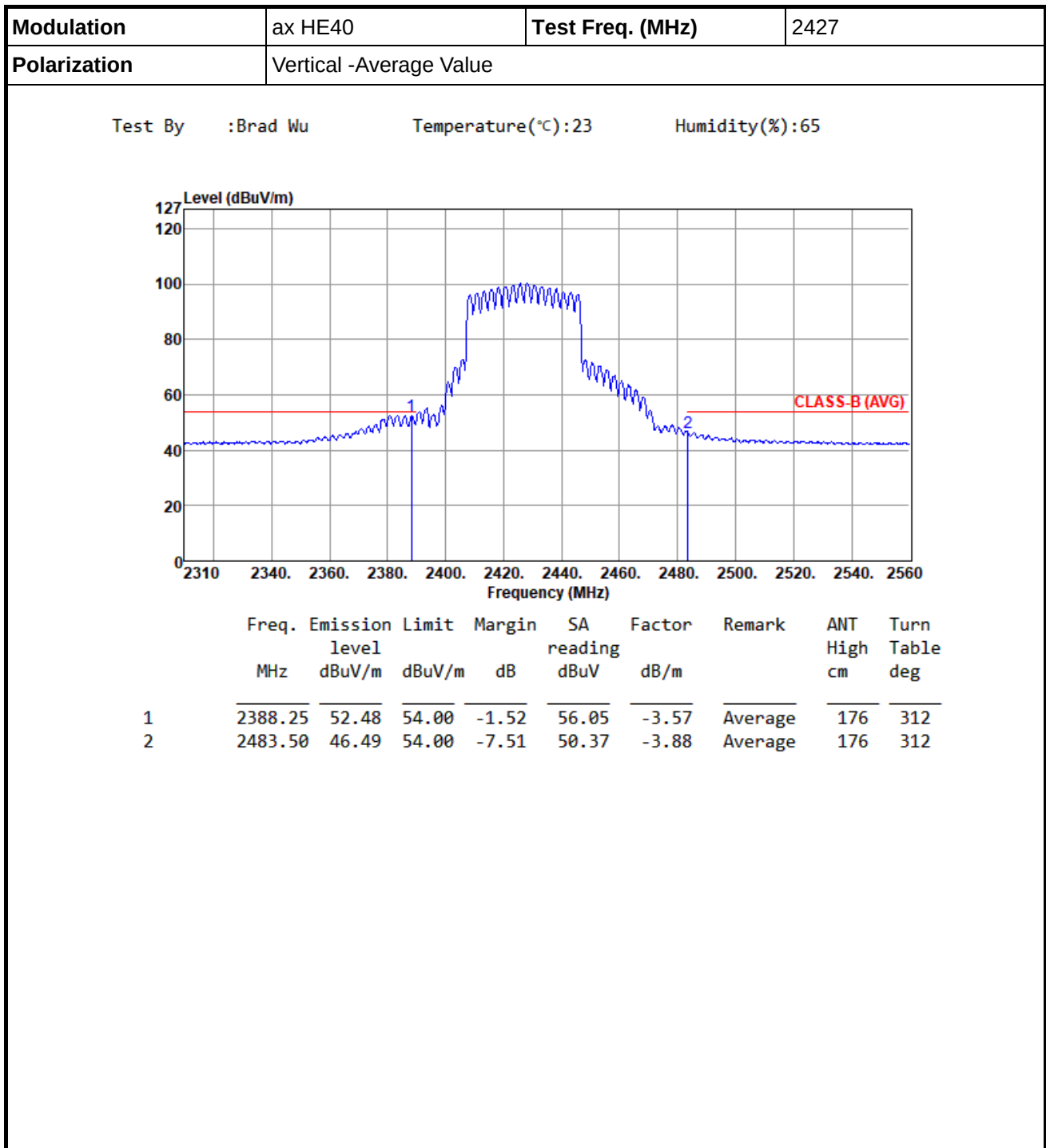


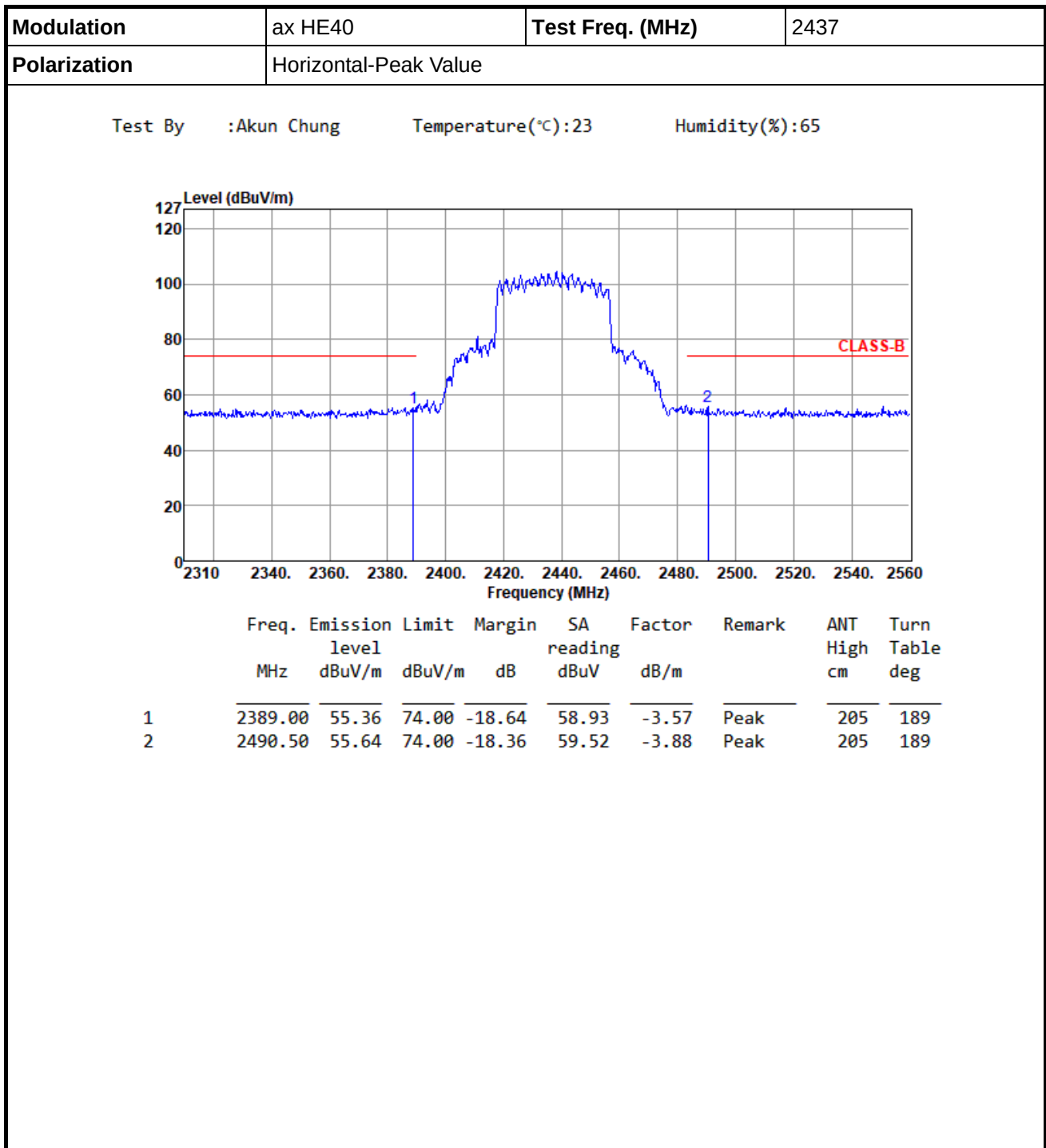


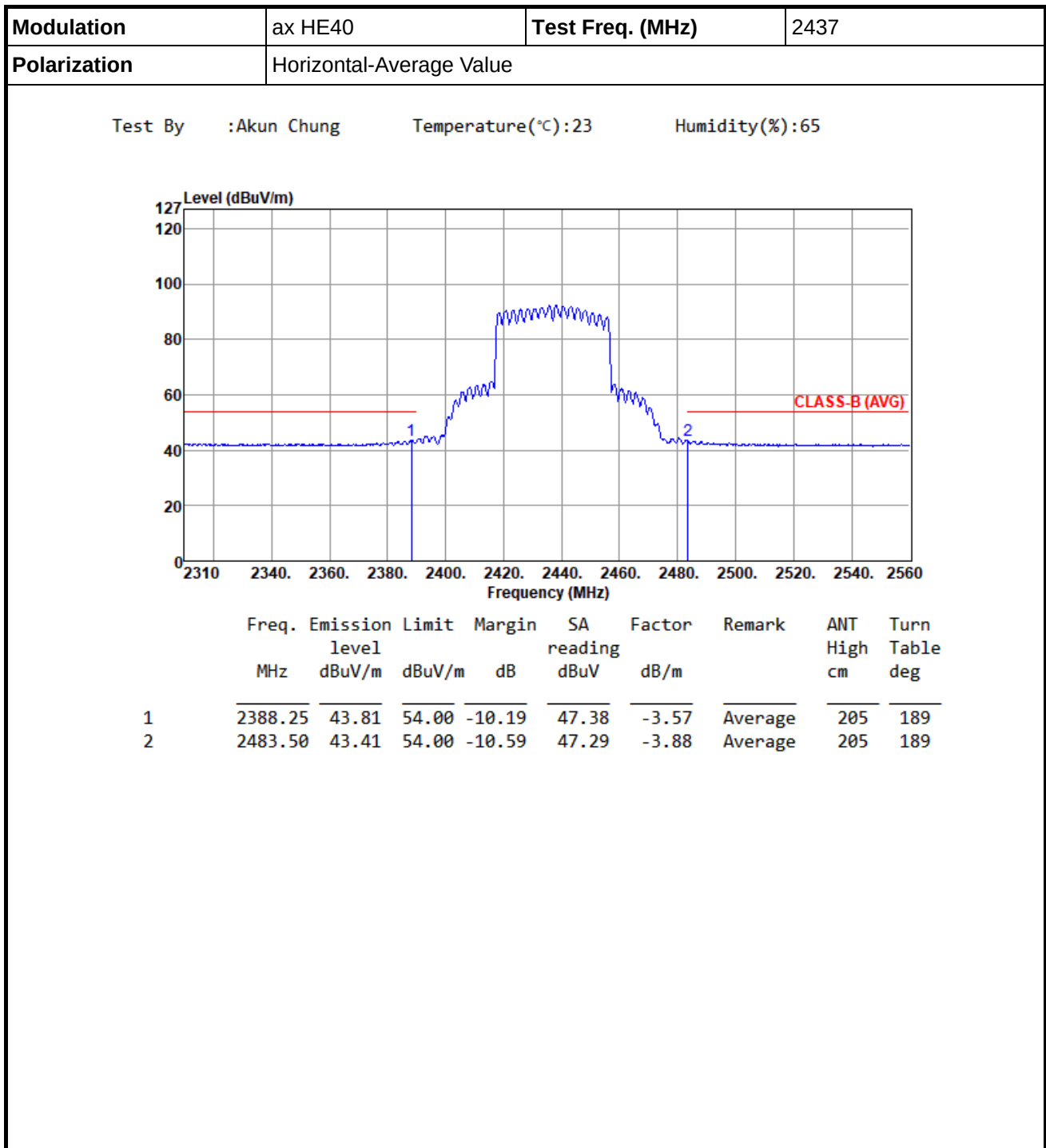


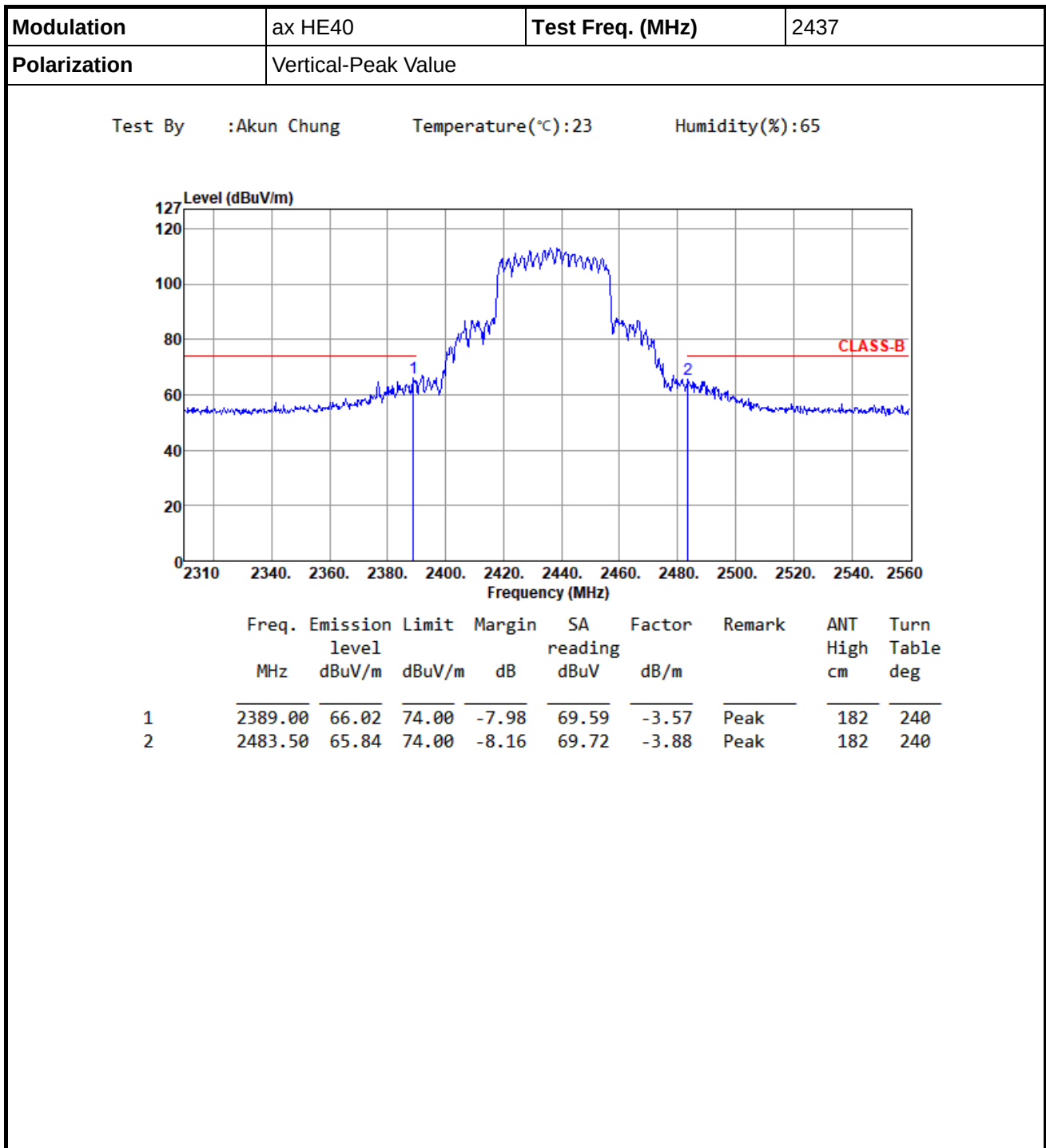
Band Edge measurement

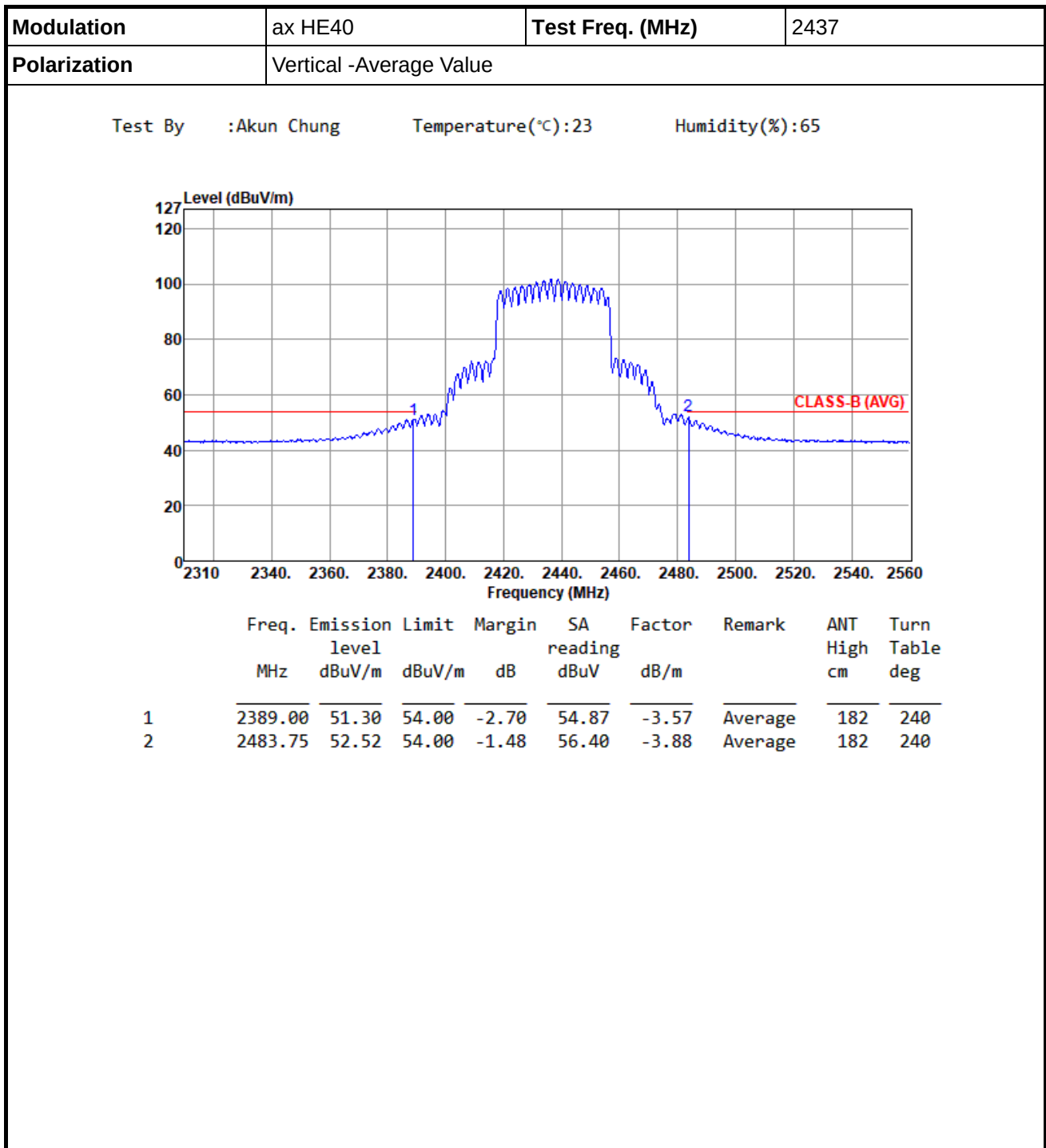
Appendix D

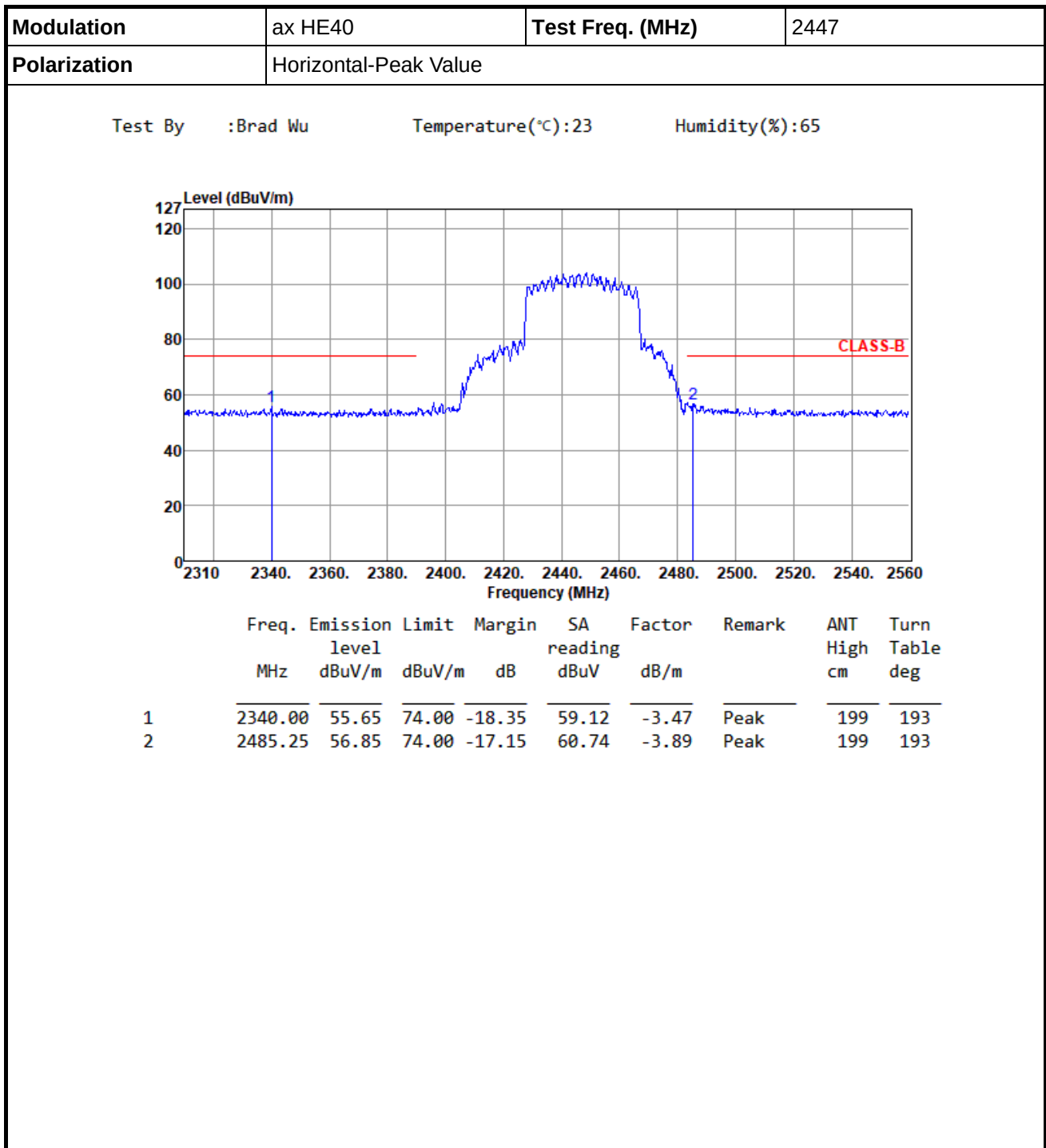


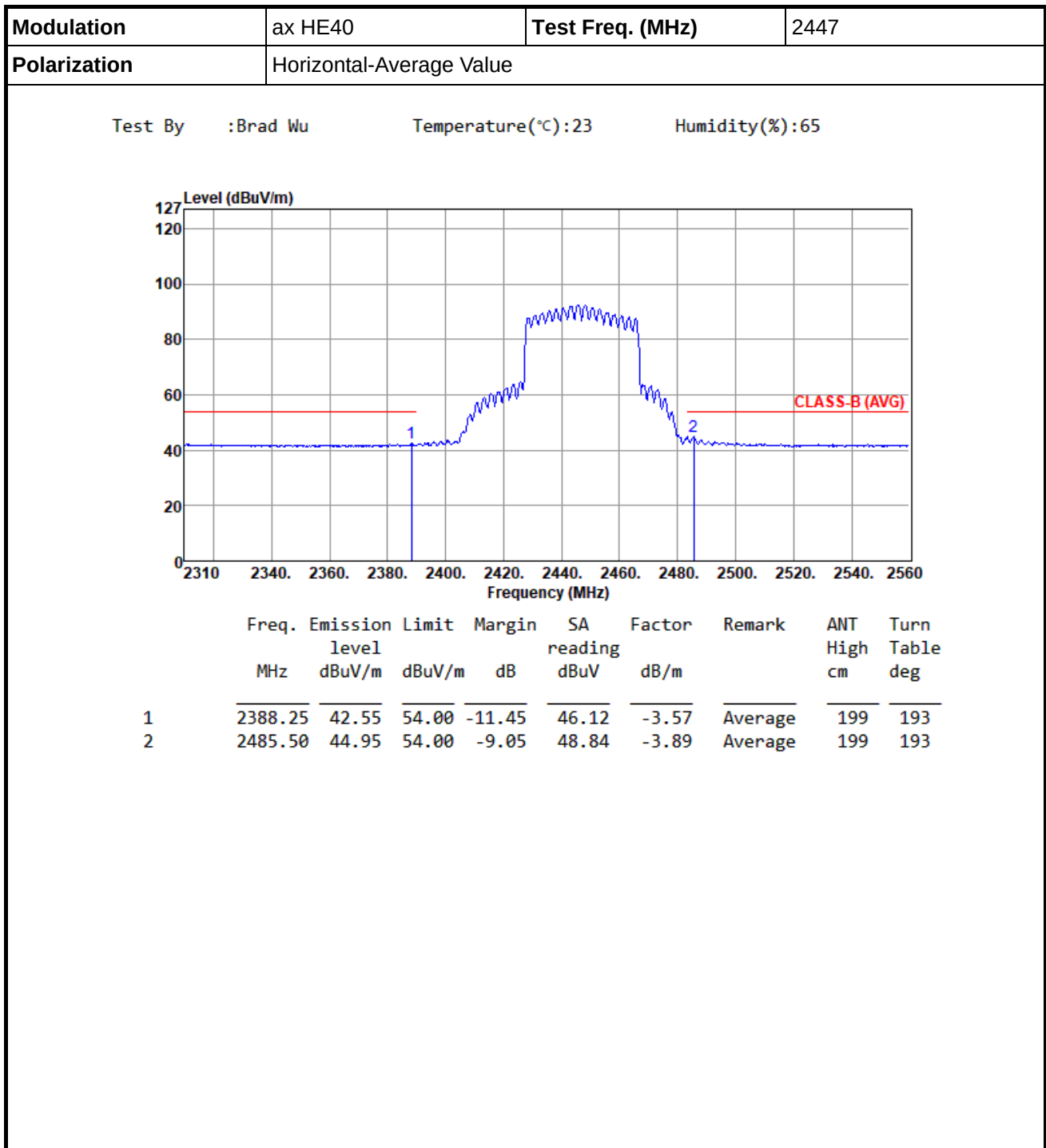


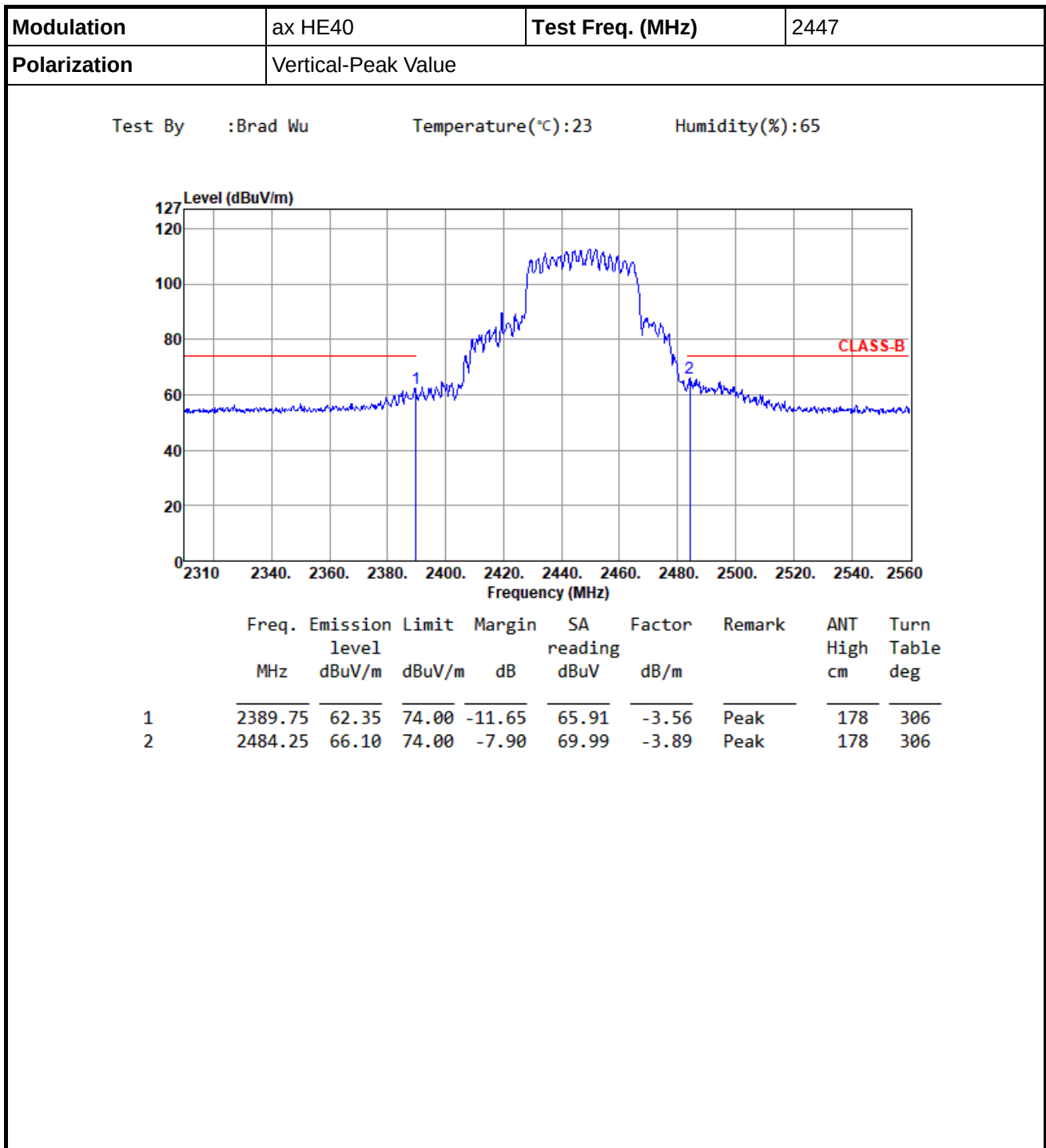








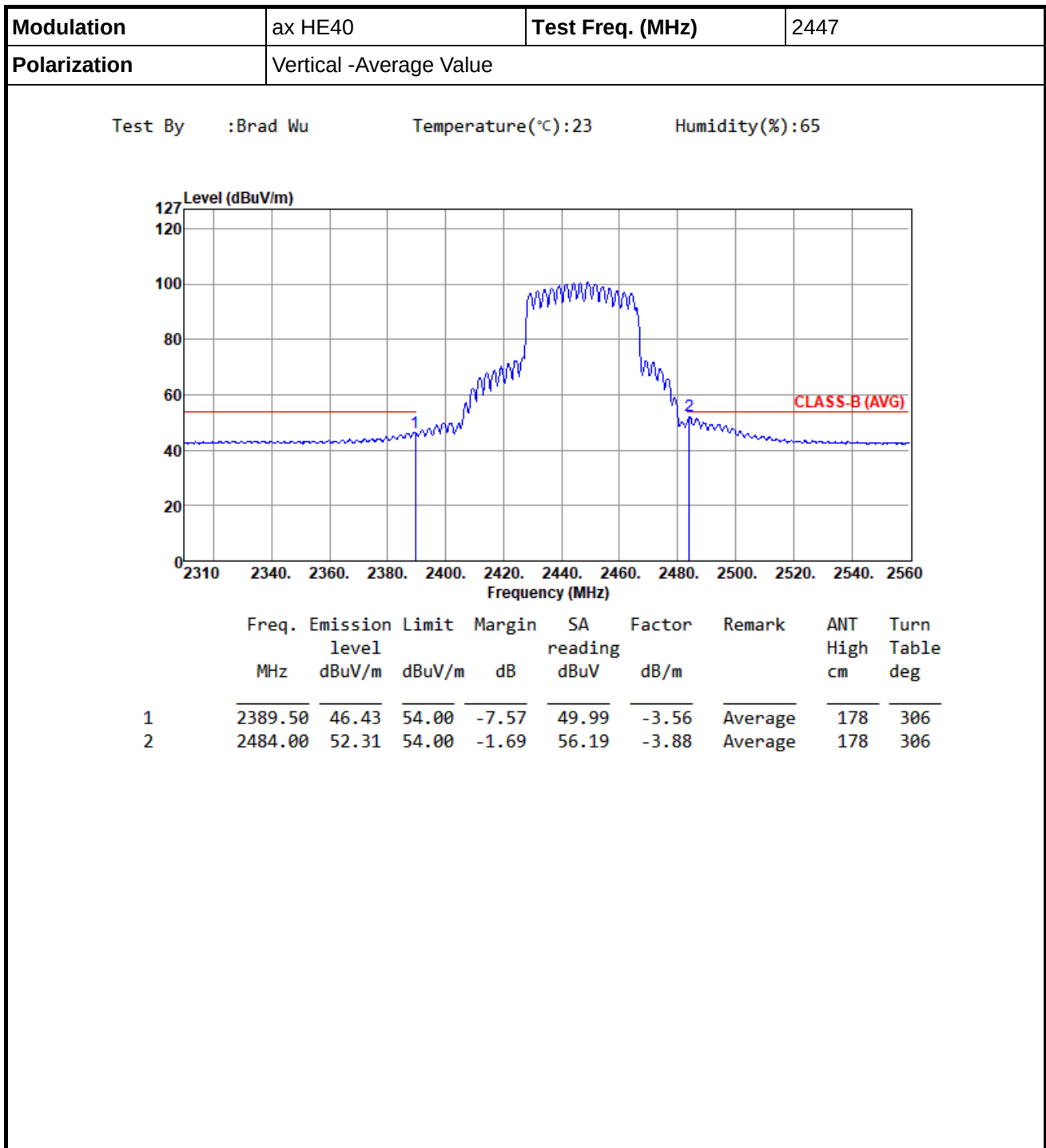


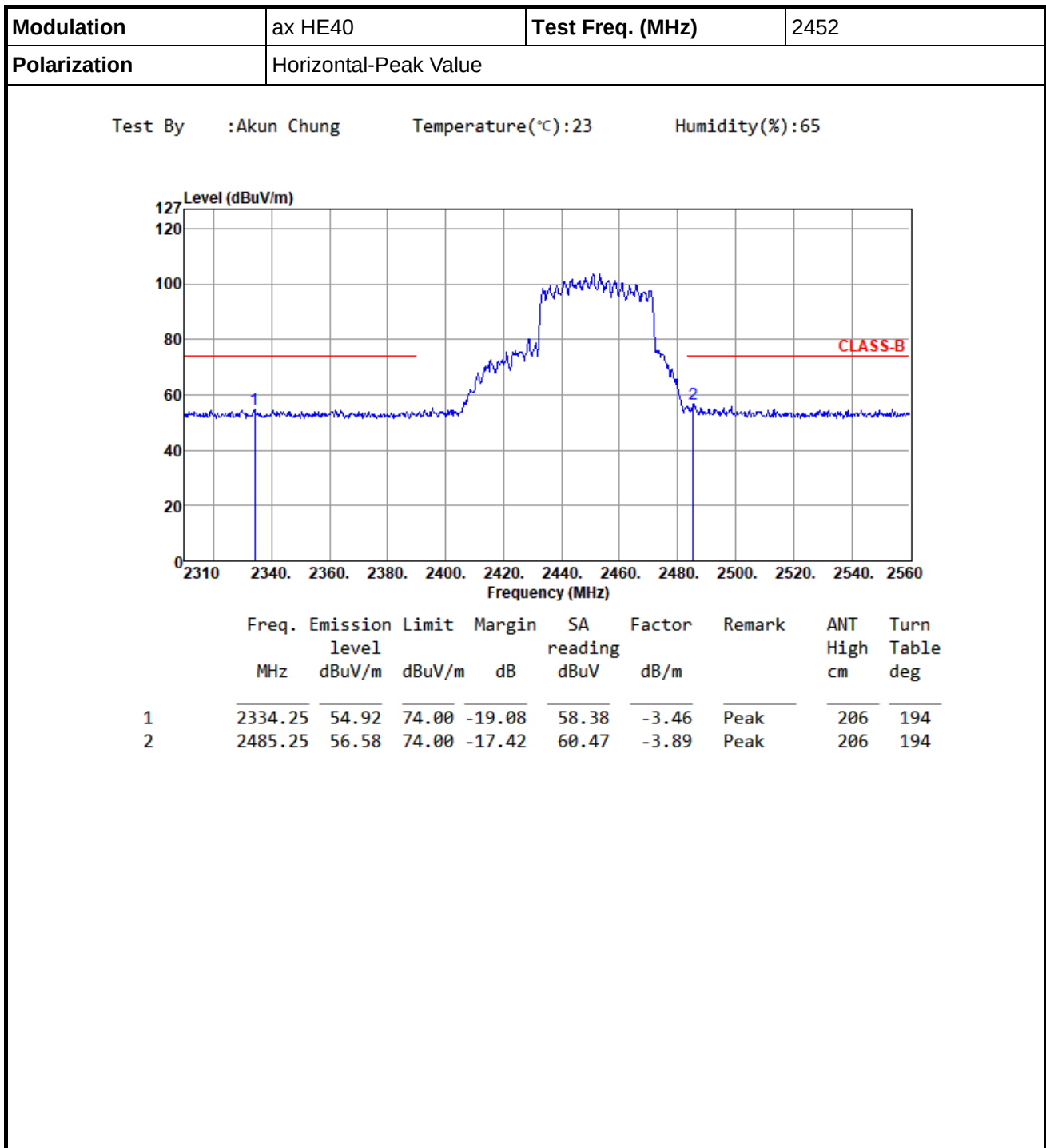


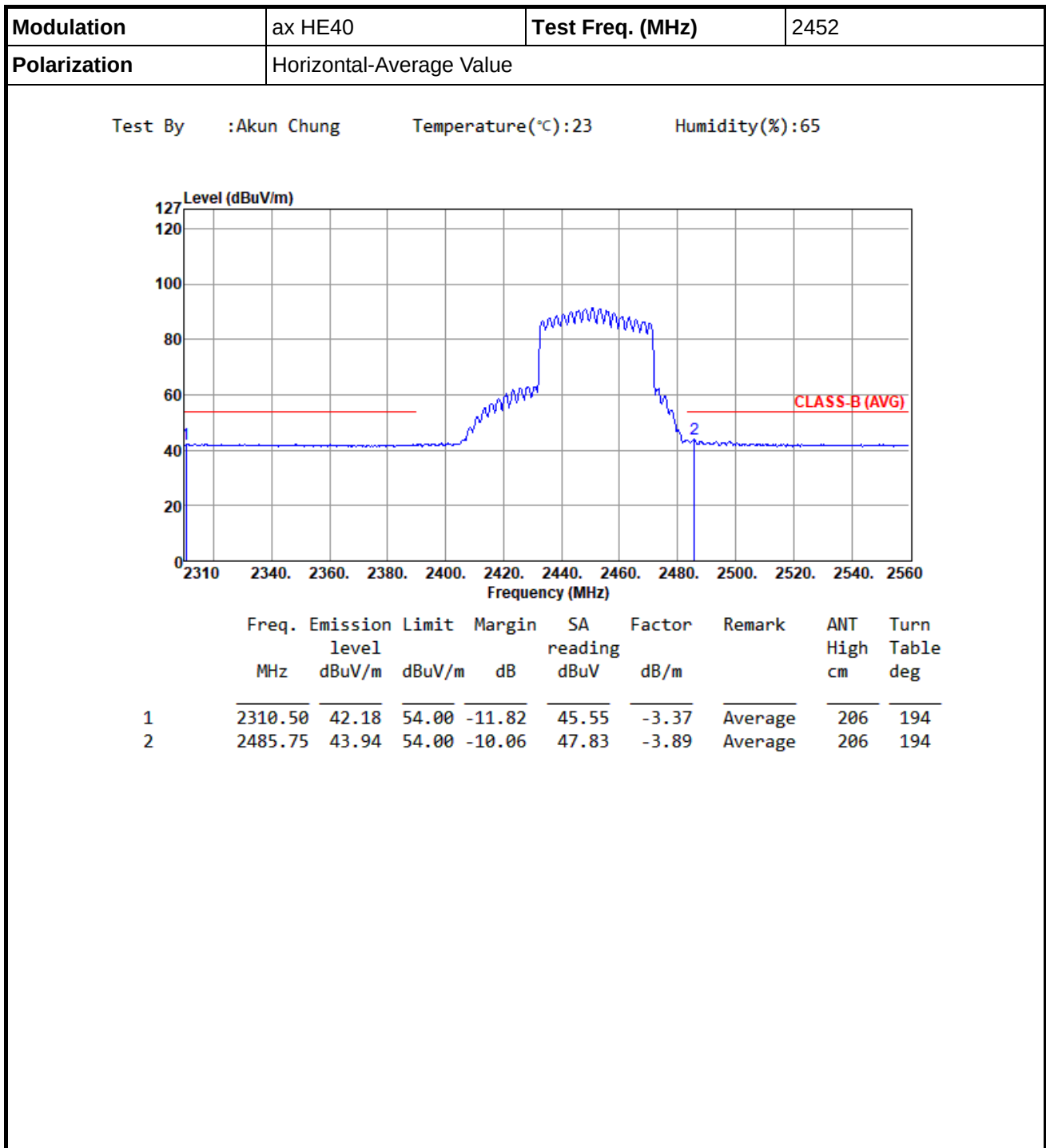


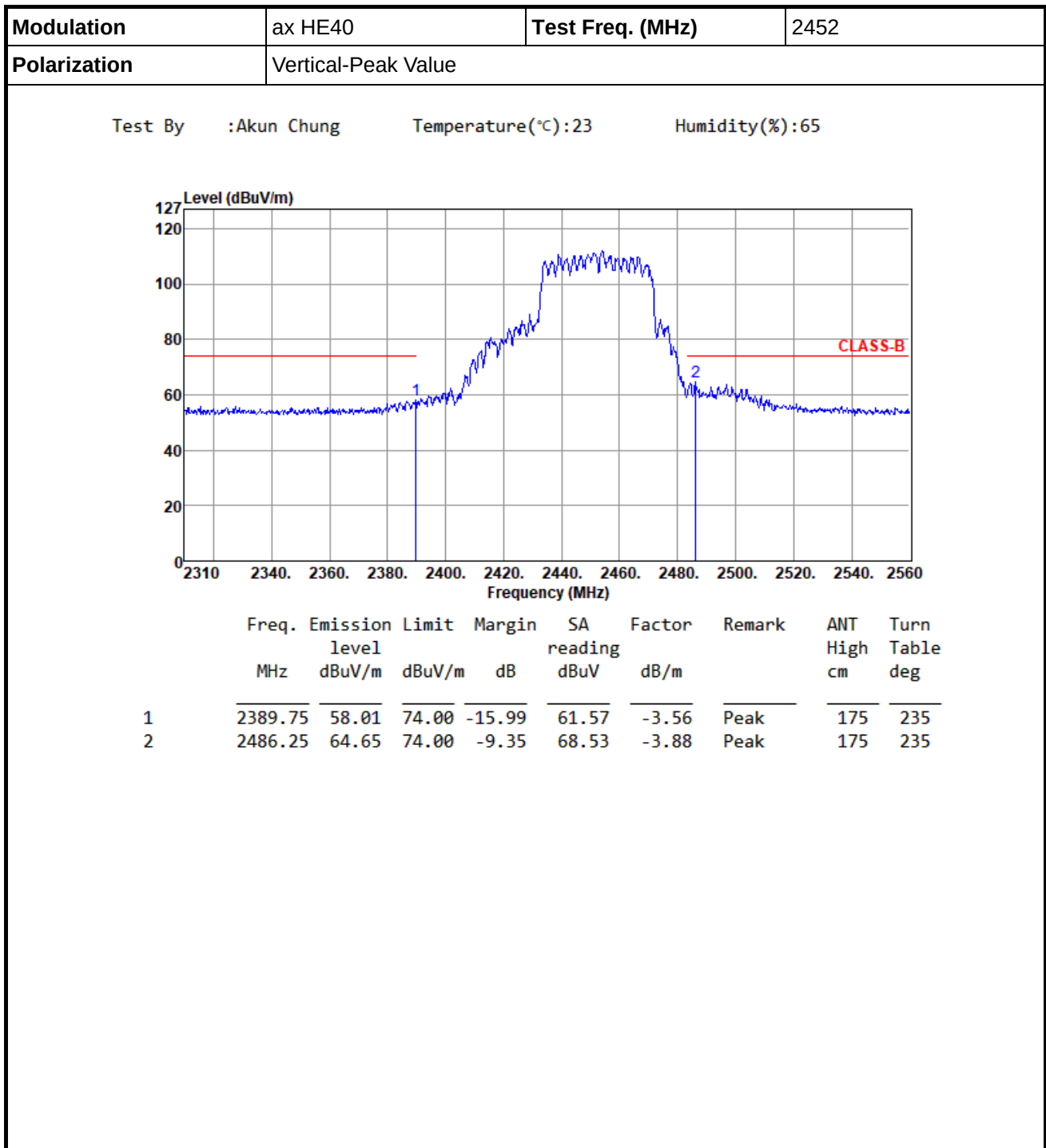
Band Edge measurement

Appendix D





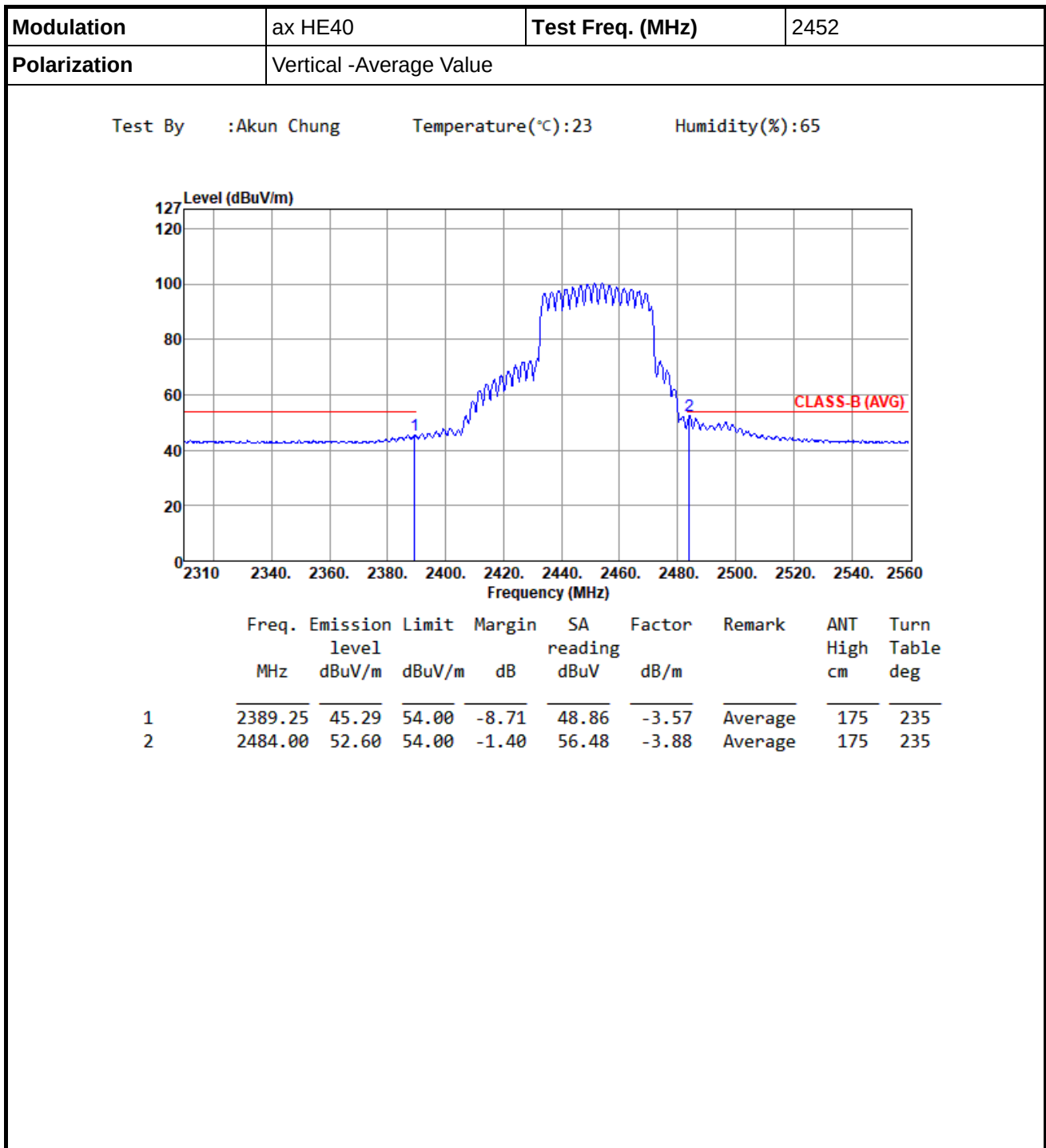






Band Edge measurement

Appendix D

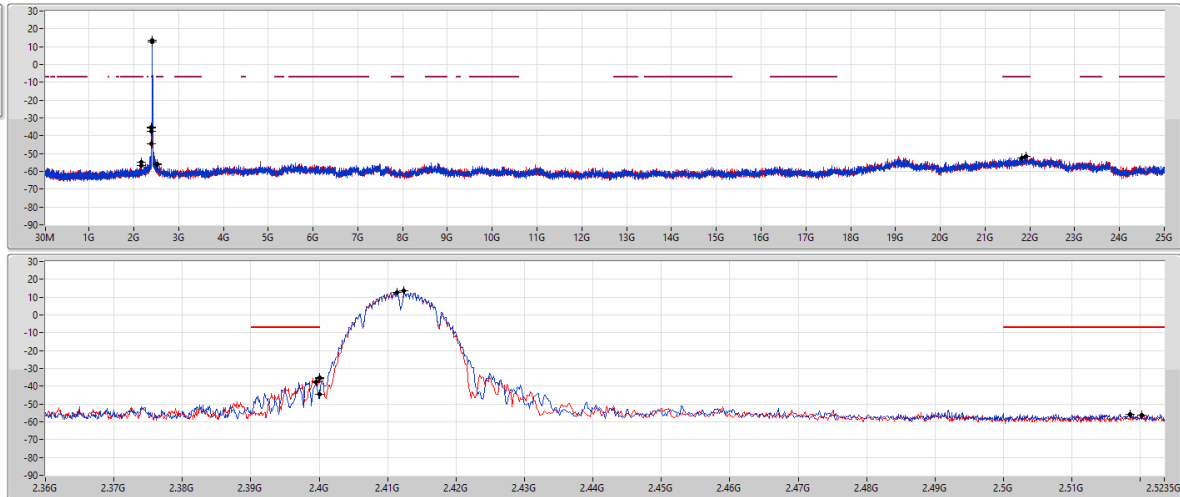


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



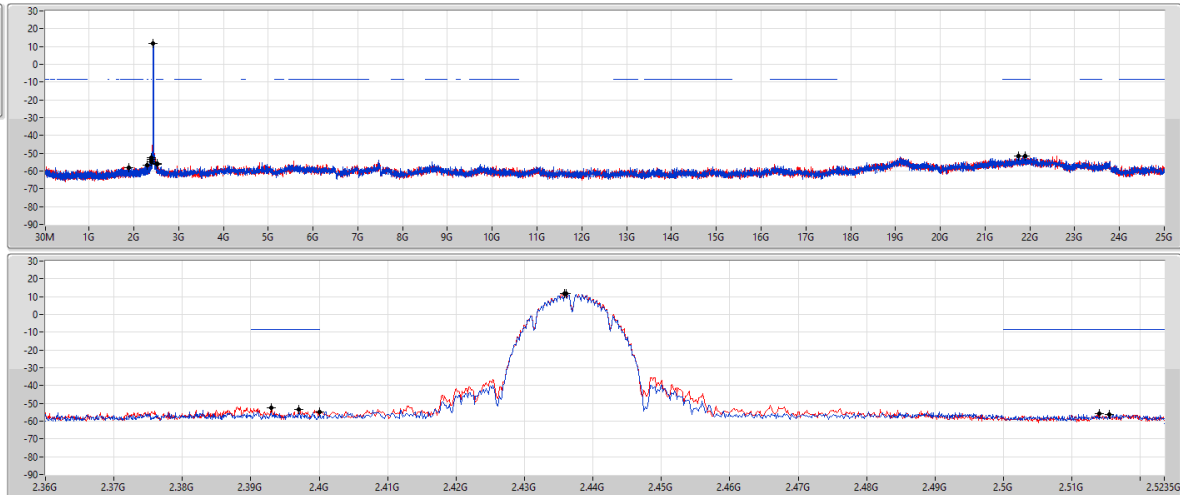
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41136G	12.83	-7.17	2.17477G	-54.85	2.39952G	-37.49	2.4G	-44.63	2.51846G	-55.67	2.192072G	-51.61	1
2.41236G	13.48	-6.52	2.1736G	-56.91	2.4G	-35.16	2.4G	-35.41	2.52022G	-56.12	2.181677G	-52.27	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2437MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



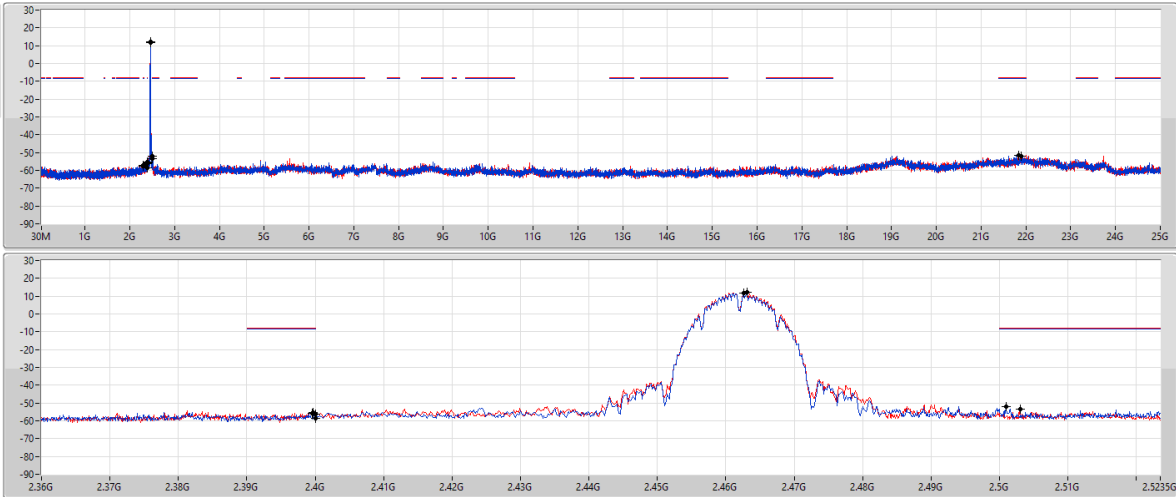
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43591G	11.65	-8.35	1.88235G	-58.26	2.39704G	-53.47	2.4G	-54.69	2.51542G	-56.04	2.174091G	-51.53	1
2.43607G	11.74	-8.26	2.30175G	-56.54	2.39304G	-52.64	2.4G	-54.98	2.51398G	-55.72	2.190105G	-51.64	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

CSEndB

2462MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



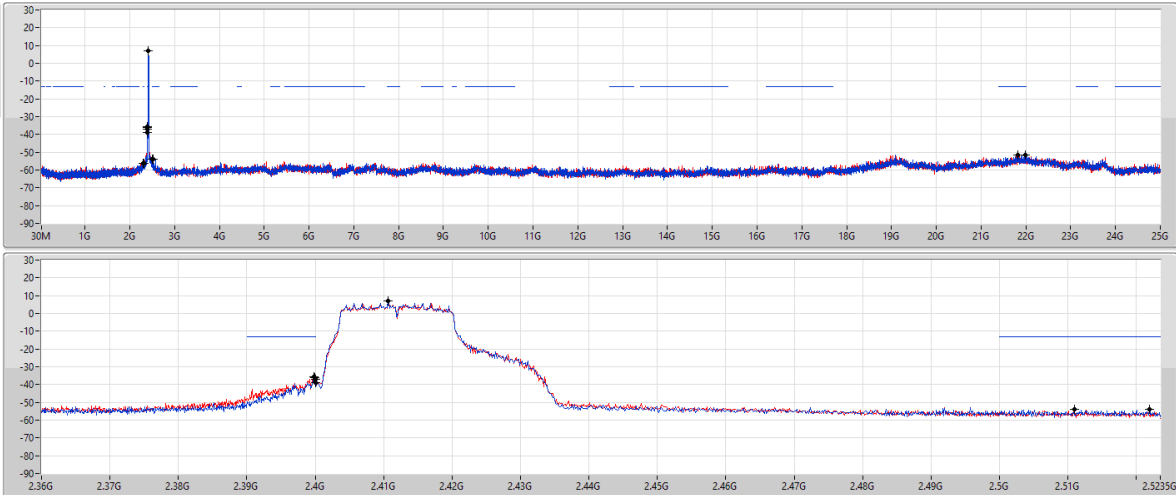
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2.46263G	11.53	-8.47	2.30641G	-57.62	2.3996G	-55.93	2.4G	-58.77	2.50094G	-51.97	21.887G	-51.91	1
2.46313G	11.97	-8.03	2.30175G	-57.26	2.39968G	-55.22	2.4G	-56.05	2.50302G	-53.32	21.83362G	-51.38	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41069G	6.95	-13.05	2.30525G	-56.32	2.39992G	-36.32	2.4G	-38.90	2.5219G	-53.79	21.82238G	-51.52	1
2.41069G	6.88	-13.12	2.30874G	-56.07	2.39984G	-35.53	2.4G	-36.88	2.51094G	-53.85	21.97972G	-51.64	2

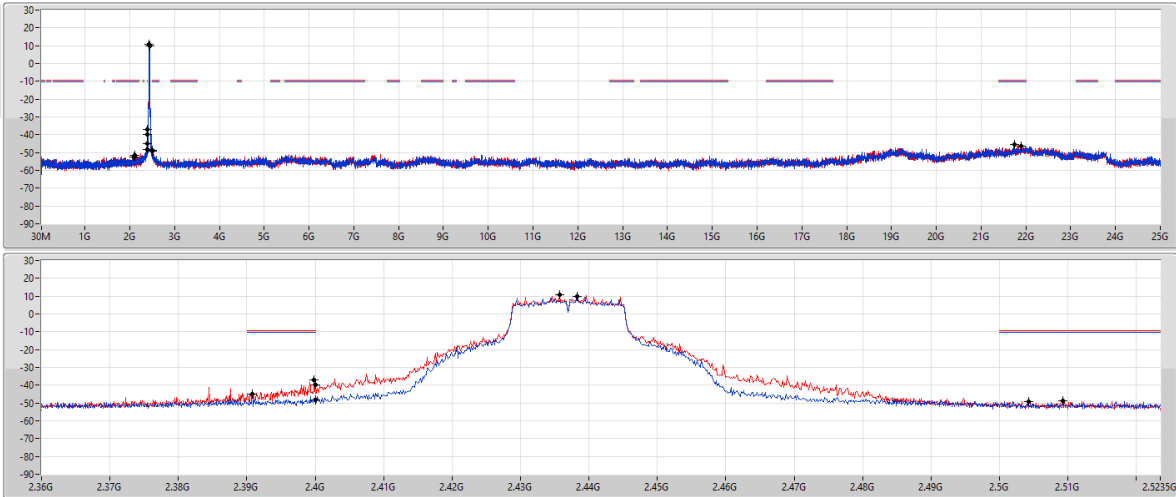


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2437MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



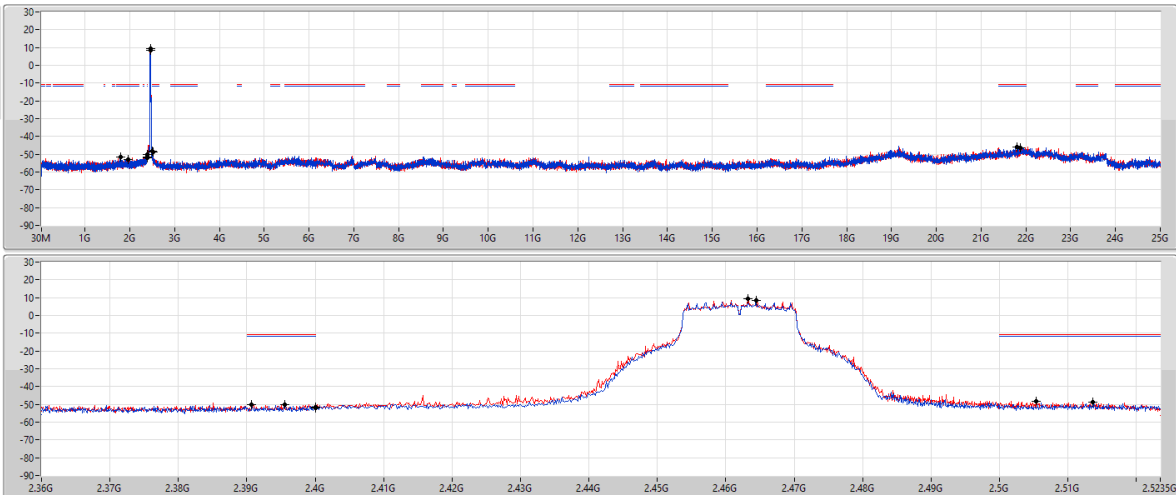
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	9.80	-10.20	2.410137G	-52.53	2.39080G	-45.23	2.4G	-48.44	2.50926G	-48.86	2.188981G	-46.55	1
2.43574G	10.81	-9.19	2.412118G	-51.49	2.39984G	-36.88	2.4G	-39.67	2.50422G	-49.08	2.175215G	-45.62	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2462MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46446G	8.36	-11.64	1.96274G	-52.74	2.39072G	-50.02	2.4G	-51.93	2.51366G	-48.62	2.187015G	-46.40	1
2.46329G	9.15	-10.85	1.79731G	-51.73	2.39552G	-50.15	2.4G	-51.74	2.50542G	-48.27	2.179991G	-46.16	2

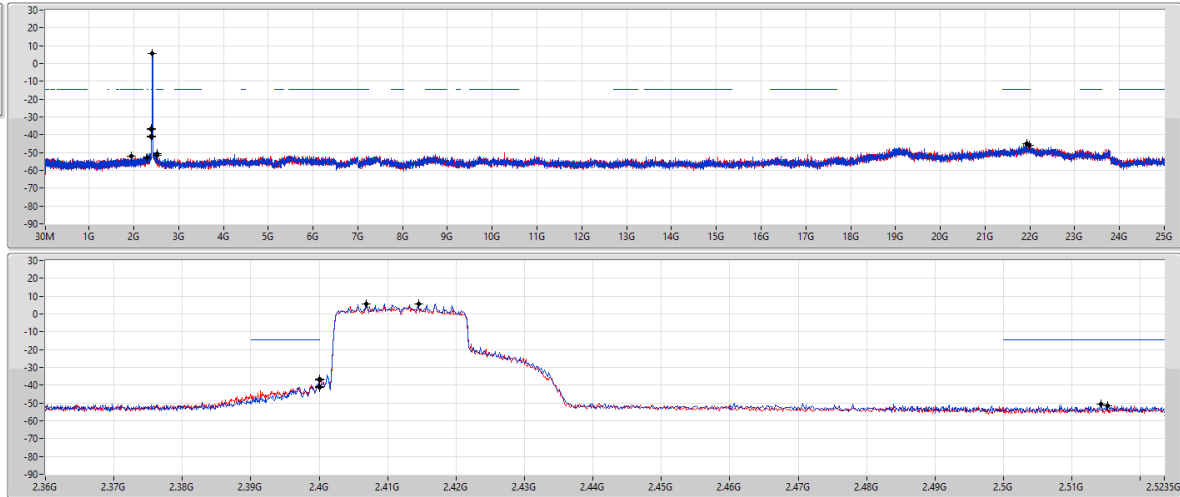


2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



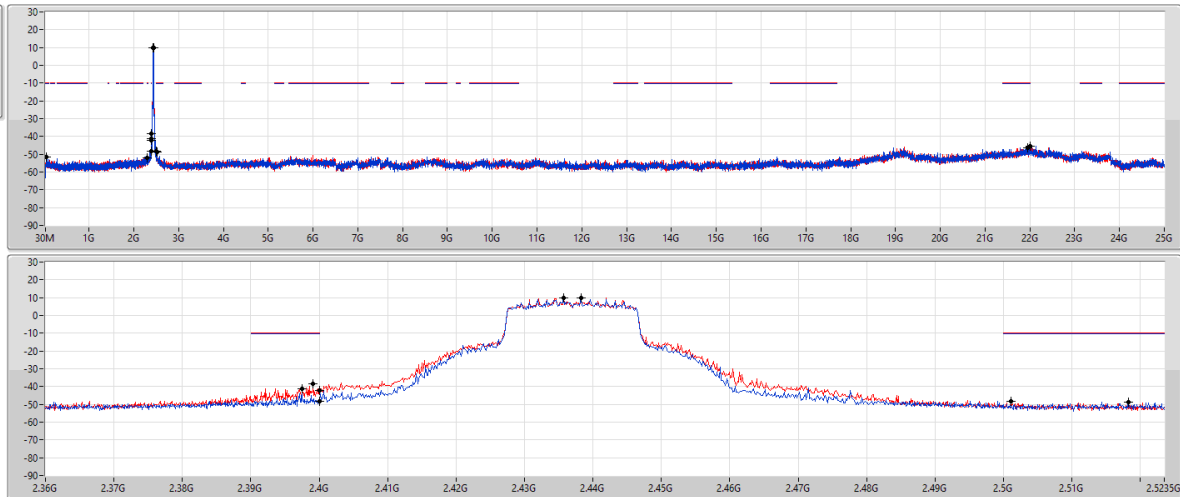
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40685G	5.48	-14.52	1.95342G	-51.84	2.4G	-37.06	2.4G	-40.93	2.51422G	-50.46	21.92353G	-45.20	1
2.41453G	5.46	-14.54	2.30059G	-52.96	2.4G	-36.74	2.4G	-41.10	2.51518G	-51.58	21.99658G	-45.89	2

2.4-2.4835GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSEndB

2437MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	9.86	-10.14	43.98M	-51.75	2.39744G	-41.26	2.4G	-48.09	2.51822G	-48.64	21.95162G	-46.25	1
2.43574G	10.07	-9.93	2.30641G	-51.92	2.39912G	-38.61	2.4G	-42.35	2.5011G	-48.30	21.99939G	-45.50	2

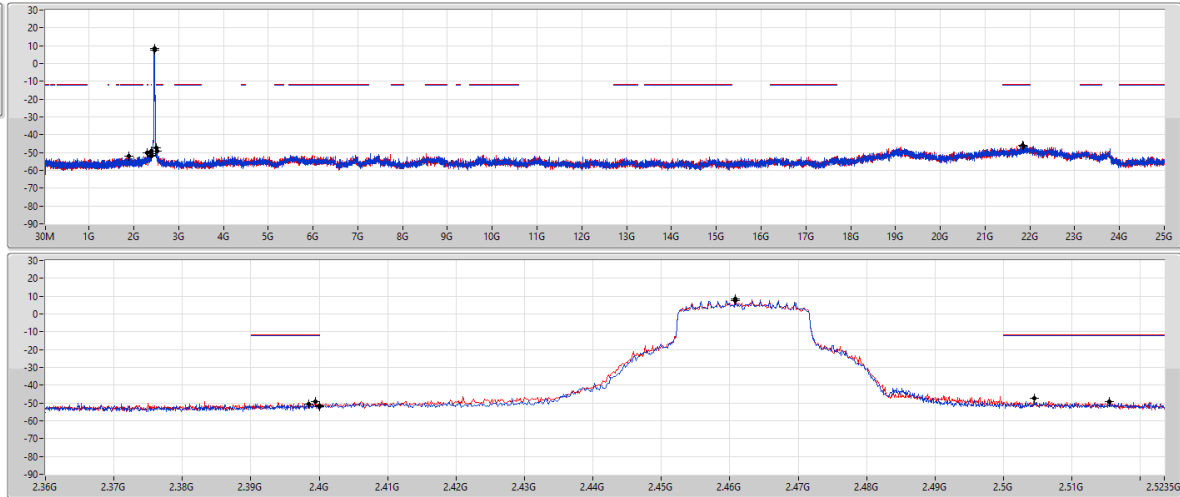


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

2462MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



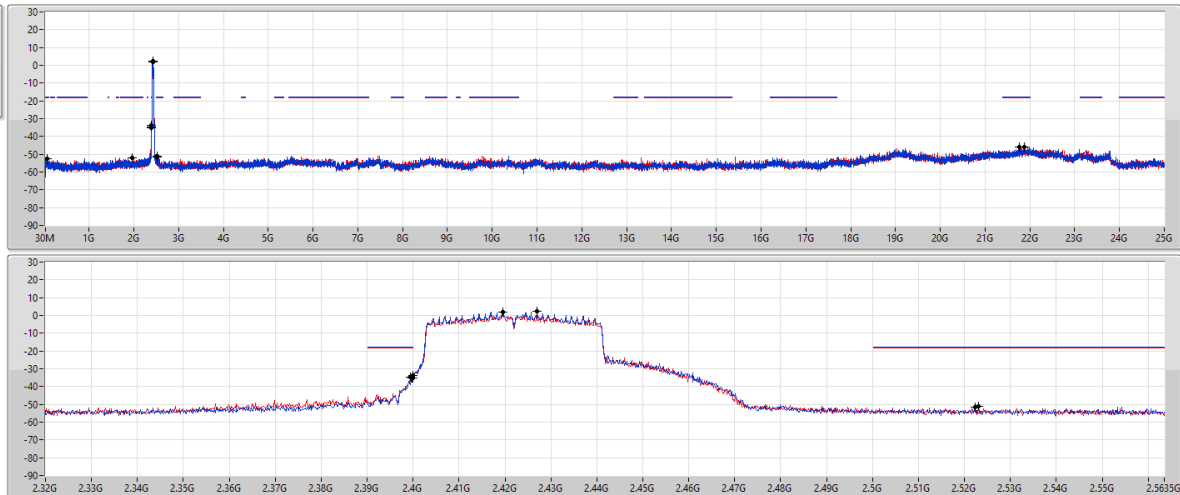
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46079G	7.71	-12.29	1.88352G	-52.15	2.39848G	-50.65	2.4G	-51.50	2.5155G	-49.28	21.85048G	-46.61	1
2.46079G	8.46	-11.54	2.30641G	-50.39	2.39944G	-49.25	2.4G	-51.88	2.50446G	-47.33	21.84205G	-46.16	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42705G	2.12	-17.88	70.08M	-52.29	2.39984G	-35.18	2.4G	-35.39	2.52302G	-50.86	21.76353G	-46.01	1
2.41954G	1.80	-18.20	1.96505G	-52.20	2.39936G	-34.61	2.4G	-33.63	2.52238G	-51.65	21.87011G	-45.73	2

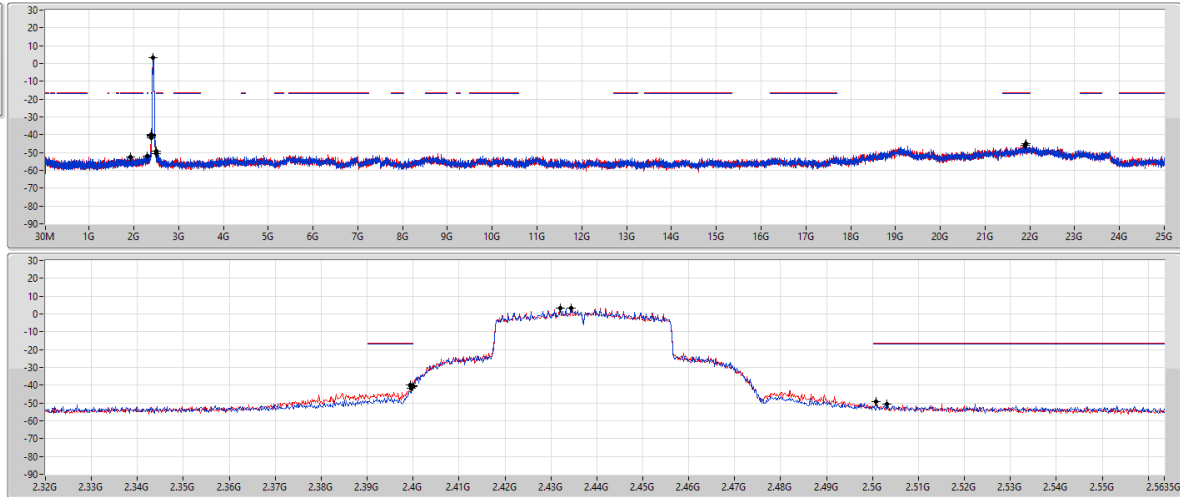


2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2437MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



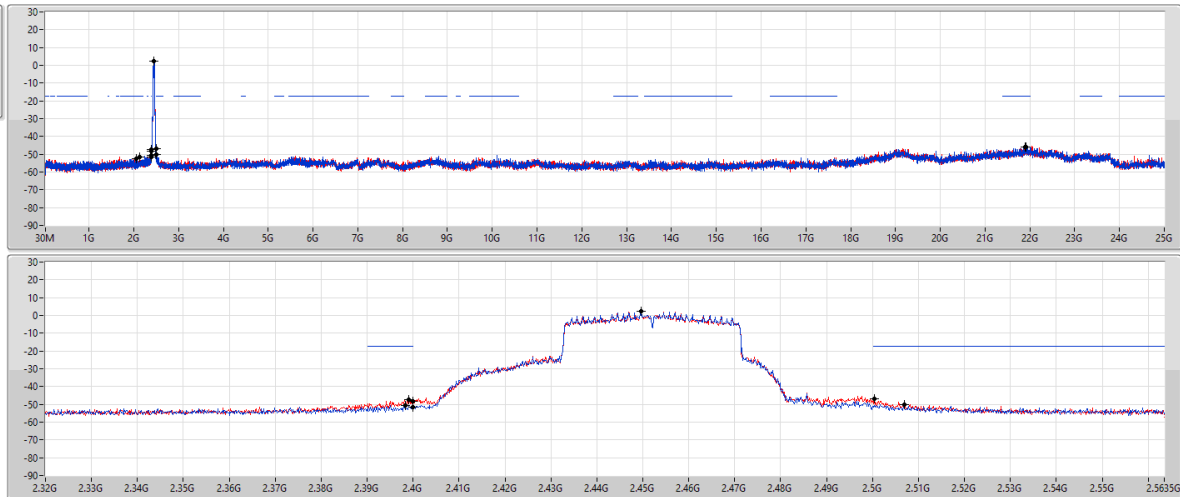
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	3.13	-16.87	2.30168G	-52.06	2.39968G	-41.52	2.4G	-40.29	2.50318G	-50.59	21.90937G	-45.19	1
2.43206G	3.43	-16.57	1.9204G	-52.58	2.39936G	-39.94	2.4G	-40.65	2.50078G	-49.41	21.89254G	-46.08	2

2.4-2.4835GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

CSEndB

2452MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4496G	2.46	-17.54	2.12764G	-51.52	2.39824G	-50.68	2.4G	-51.48	2.50686G	-50.22	21.90857G	-45.71	1
2.4496G	2.43	-17.57	2.06352G	-52.38	2.39904G	-47.24	2.4G	-48.44	2.50046G	-47.02	21.90096G	-46.10	2

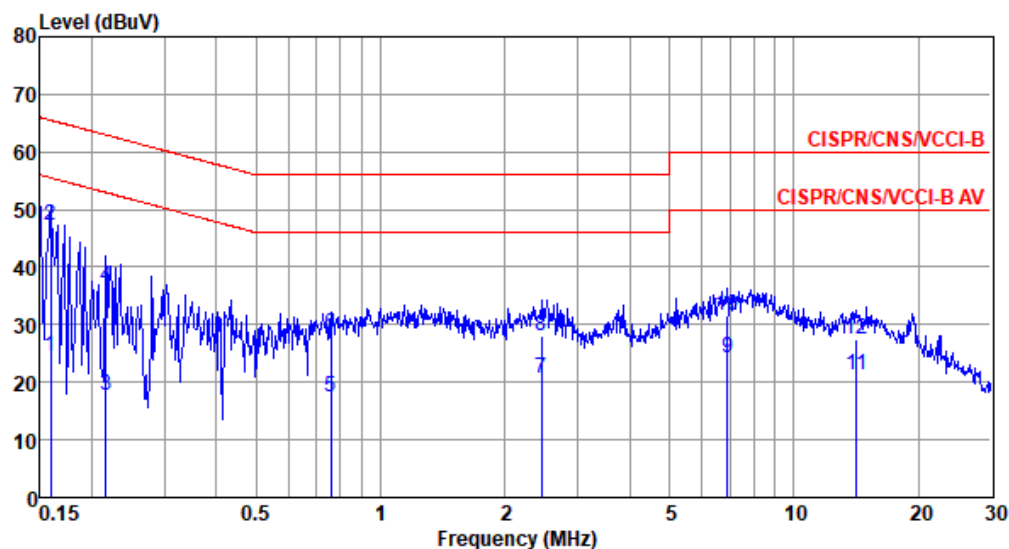


Modulation Mode	11g	Test Freq. (MHz)	2437
Power Phase	Line		

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	0.159	24.47	55.52	-31.05	14.63	9.65	0.03	0.16	Average
2*	0.159	47.29	65.52	-18.23	37.45	9.65	0.03	0.16	QP
3	0.216	17.82	52.96	-35.14	7.97	9.64	0.04	0.17	Average
4	0.216	36.75	62.96	-26.21	26.90	9.64	0.04	0.17	QP
5	0.759	17.43	46.00	-28.57	7.45	9.65	0.05	0.28	Average
6	0.759	28.46	56.00	-27.54	18.48	9.65	0.05	0.28	QP
7	2.448	20.72	46.00	-25.28	10.51	9.66	0.11	0.44	Average
8	2.448	28.18	56.00	-27.82	17.97	9.66	0.11	0.44	QP
9	6.914	24.20	50.00	-25.80	13.71	9.70	0.20	0.59	Average
10	6.914	31.68	60.00	-28.32	21.19	9.70	0.20	0.59	QP
11	14.213	21.23	50.00	-28.77	10.62	9.70	0.26	0.65	Average
12	14.213	27.41	60.00	-32.59	16.80	9.70	0.26	0.65	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).

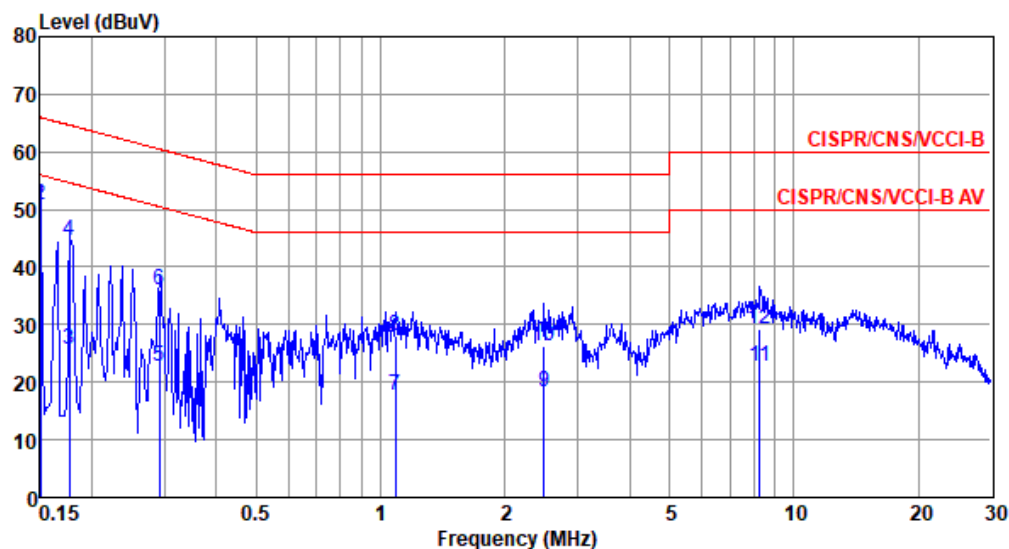


Modulation Mode	11g	Test Freq. (MHz)	2437
Power Phase	Neutral		

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	0.150	30.48	56.00	-25.52	20.59	9.64	0.03	0.22	Average
2*	0.150	50.78	66.00	-15.22	40.89	9.64	0.03	0.22	QP
3	0.177	25.74	54.64	-28.90	15.79	9.64	0.04	0.27	Average
4	0.177	44.54	64.64	-20.10	34.59	9.64	0.04	0.27	QP
5	0.291	22.69	50.50	-27.81	12.69	9.63	0.04	0.33	Average
6	0.291	36.07	60.50	-24.43	26.07	9.63	0.04	0.33	QP
7	1.088	17.63	46.00	-28.37	7.49	9.64	0.06	0.44	Average
8	1.088	28.01	56.00	-27.99	17.87	9.64	0.06	0.44	QP
9	2.487	18.29	46.00	-27.71	8.02	9.65	0.11	0.51	Average
10	2.487	26.35	56.00	-29.65	16.08	9.65	0.11	0.51	QP
11	8.279	22.73	50.00	-27.27	12.21	9.71	0.21	0.60	Average
12	8.279	29.37	60.00	-30.63	18.85	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).