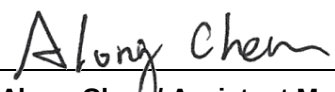


FCC Test Report

FCC ID : 2AWUU60B5601
Equipment : Wireless Alarm Panel
Model No. : BP32-HW-NA
Brand Name : Verkada
Applicant : VERKADA INC
Address : 405 E. 4th Ave, San Mateo, CA 94401, United States
Standard : 47 CFR FCC Part 15.247
Received Date : Jul. 30, 2025
Tested Date : Aug. 08 ~ Sep. 03, 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:


Along Chen / Assistant Manager

Approved by:

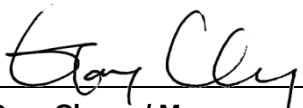

Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	The Equipment List	9
1.5	Test Standards	10
1.6	Reference Guidance	10
1.7	Deviation from Test Standard and Measurement Procedure.....	10
1.8	Measurement Uncertainty	11
2	TEST CONFIGURATION.....	12
2.1	Testing Facility.....	12
2.2	The Worst Test Modes and Channel Details	12
3	TRANSMITTER TEST RESULTS.....	13
3.1	Unwanted Emissions into Restricted Frequency Bands	13
3.2	Unwanted Emissions into Non-Restricted Frequency Bands	16
3.3	Conducted Output Power	17
3.4	Number of Hopping Frequency	18
3.5	20dB and Occupied Bandwidth.....	19
3.6	Channel Separation.....	20
3.7	Number of Dwell Time.....	21
3.8	AC Power Line Conducted Emissions	22
4	TEST LABORATORY INFORMATION	23

Appendix A. Unwanted Emissions into Restricted Frequency Bands

Appendix B. Unwanted Emissions into Non-Restricted Frequency Bands

Appendix C. Conducted Output Power

Appendix D. Number of Hopping Frequency

Appendix E. 20dB and Occupied Bandwidth

Appendix F. Channel Separation

Appendix G. Number of Dwell Time

Appendix H. AC Power Line Conducted Emissions

Release Record

Report No.	Version	Description	Issued Date
FR573001-1AE	Rev. 01	Initial issue	Sep. 30, 2025

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.570MHz 42.80 (Margin -3.20dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 4.804MHz 51.16 (Margin -2.84dB) –AV	Pass
15.247(d)	Band Edge	Meet the requirement of limit	Pass
15.247(b)(1)	Conducted Output Power	Power [dBm]: 10.79	Pass
15.247(a)(1)(iii)	Number of Hopping Channels	Meet the requirement of limit	Pass
15.247(a)(1)	Hopping Channel Separation	Meet the requirement of limit	Pass
15.247(a)(1)(iii)	Dwell Time	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	Bluetooth Mode	Ch. Freq. (MHz)	Channel Number	Data Rate
2400-2483.5	LE	2402-2480	40	1Mbps
		2404-2478	38	2Mbps

Note 1: RF output power specifies that Maximum Peak Conducted Output Power.

Note 2: Antenna diversity function is supported. Antenna port 1 and 2 were assessed and antenna port 2 was found to be the worst case and was selected for the final test.

1.1.2 Antenna Details

Ant. No.	Brand	Model	Type	Connector	Gain (dBi)
1	Sercomm	BLE 1	PIFA	IPEX	2.54
2	Sercomm	BLE 2	PIFA	IPEX	2.13

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	48Vdc from PoE 12.8Vdc from battery
--------------------------	--

Note: The PoE is not bundled in market.

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	Rechargeable LiFePo4 battery	Brand: Verkada Model: Frodo Rating: 12.8Vdc, 4400mAh (56.32Wh)

1.1.5 Channel List

BT-LE(1 Mbps)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

BT-LE(2 Mbps)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	---	---
9	2422	18	2442	28	2462	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	Putty, Version:0.78	
Modulation Mode	Duty Cycle Of Test Signal (%)	Duty Factor (dB)
BT-LE(1Mbps)	62.90%	2.01
BT-LE(2Mbps)	80.00%	0.97

1.1.7 Power Index of Test Tool

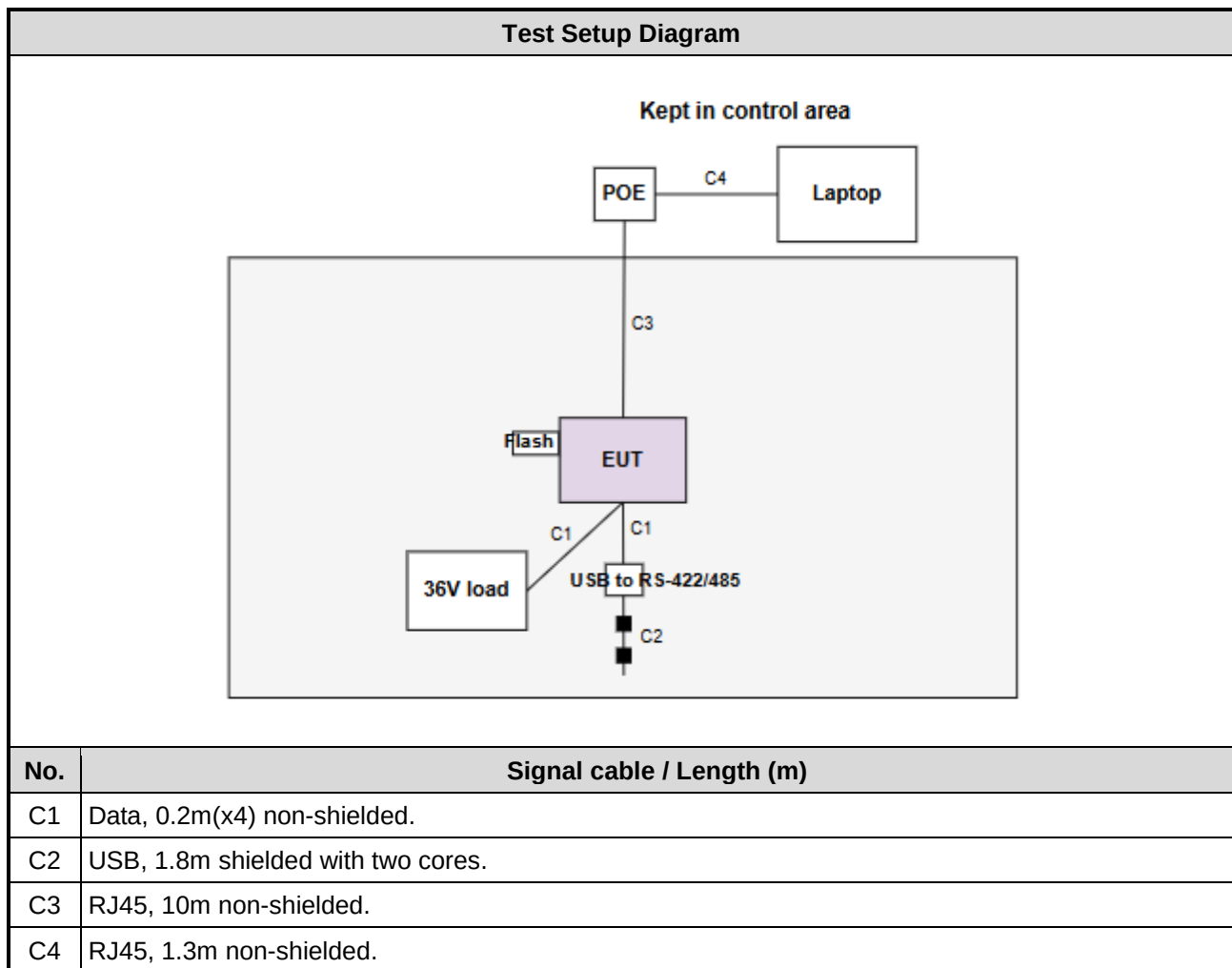
Modulation Mode	Test Frequency (MHz)		
	2402	2440	2480
BT-LE(1Mbps)	100	100	100

Modulation Mode	Test Frequency (MHz)		
	2404	2440	2478
BT-LE(2Mbps)	100	100	100

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5400	DoC	---
2	USB 3.2 Flash	Kingston	DTKN128GB	---	---
3	PoE injector	UBNT	GP-H480-050G	---	Provided by applicant. Remarks: I/P: 100-240V~50/60Hz, 0.75A O/P 48Vdc, 0.5A
4	36V load	N/A	N/A	---	Provided by applicant.
5	USB to RS-422/485	DigiFusion	RS-422/485	---	Provided by applicant.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Aug. 08 ~ Aug. 14, 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	VULB9168-685	Jul. 04, 2025	Jul. 03, 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. 02, 2024	Oct. 01, 2025
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 02, 2024	Oct. 01, 2025
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 02, 2024	Oct. 01, 2025
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M- 3000	210922	Oct. 02, 2024	Oct. 01, 2025
Attenuator	Pasternack	PE7005-10	10-1	Oct. 02, 2024	Oct. 01, 2025
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 02, 2024	Oct. 01, 2025
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Aug. 19, 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. 09, 2024	Oct. 08, 2025
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	Aug. 14 ~ Sep. 03, 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. 04, 2024	Oct. 03, 2025
Measurement Software	Sporton	SENSE-15247_FS	V5.11	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

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	± 4.59 dB
Time	$\pm 0.1\%$

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)	Test Configuration
AC Power Line Conducted Emissions	1Mbps	2440	---
Unwanted Emissions $\leq$ 1GHz	1Mbps	2440	---
Conducted Output Power	1Mbps 2Mbps	2402, 2440, 2480	---
Hopping Channel Separation 20dB and Occupied bandwidth Unwanted Emissions > 1GHz		2404, 2440, 2478	---
Number of Hopping Channels	1Mbps 2Mbps	2402~2480 2404~2478	---
Dwell Time	1Mbps 2Mbps	2440 2440	---

3 Transmitter Test Results

3.1 Unwanted Emissions into Restricted Frequency Bands

3.1.1 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:
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.

3.1.2 Test Procedures

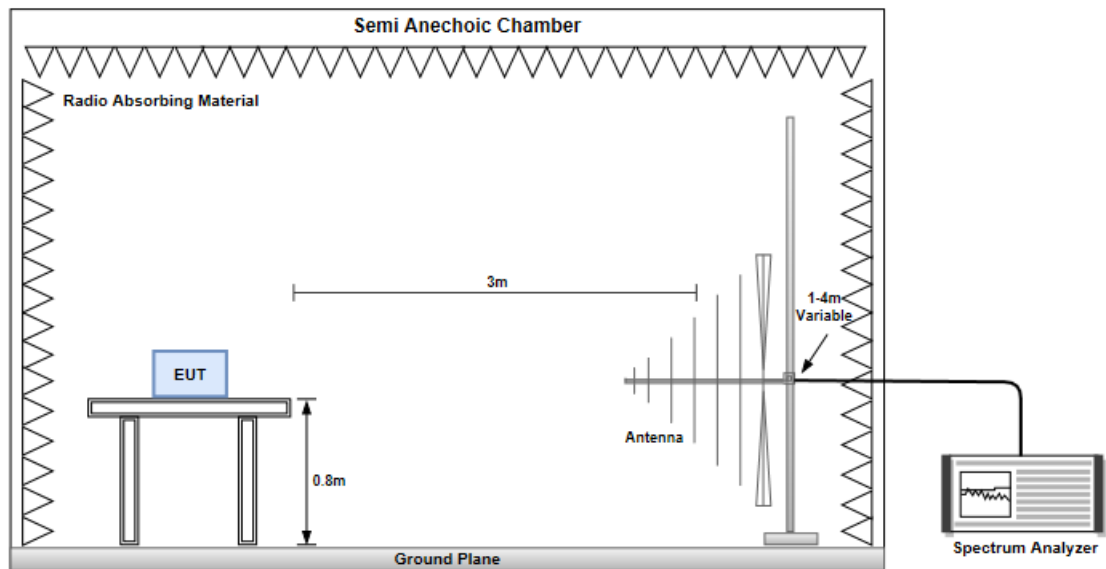
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

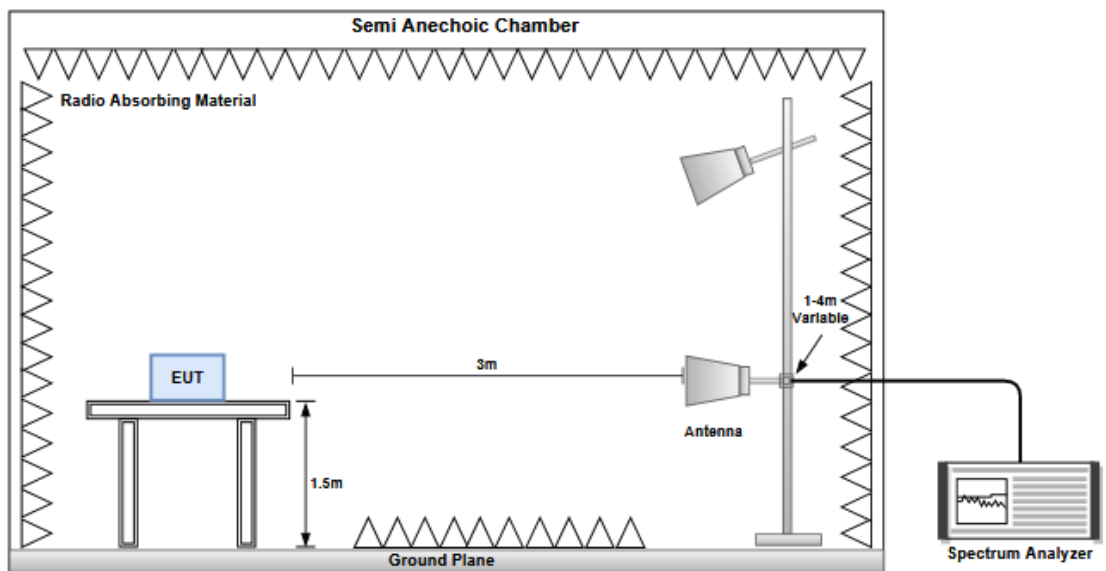
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.1.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.1.4 Test Results

Ambient Condition	24-25°C / 62-65%	Tested By	Akun Chung & Roger Lu
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Refer to Appendix A.

3.2 Unwanted Emissions into Non-Restricted Frequency Bands

3.2.1 Limit of Unwanted Emissions into Non-Restricted Frequency Bands

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.

3.2.2 Test Procedures

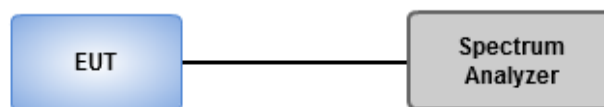
Reference level measurement

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

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix B.

3.3 Conducted Output Power

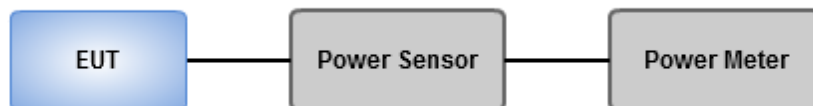
3.3.1 Limit of Conducted Output Power

0.125 Watt

3.3.2 Test Procedures

1. A wideband power meter is used for power measurement. Bandwidth of power sensor and meter is 50MHz
2. 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

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix C.

3.4 Number of Hopping Frequency

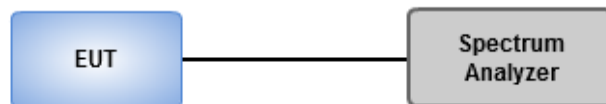
3.4.1 Limit of Number of Hopping Frequency

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

3.4.2 Test Procedures

1. Set RBW = 100kHz, VBW = 300kHz, Sweep time = Auto, Detector = Peak Trace max hold.
2. Allow trace to stabilize.

3.4.3 Test Setup



3.4.4 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix D.

3.5 20dB and Occupied Bandwidth

3.5.1 Test Procedures

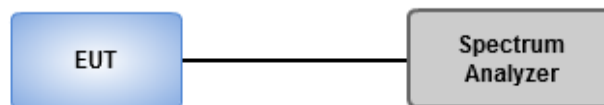
20dB Bandwidth

1. Set RBW=20kHz / 30 kHz, VBW=100kHz, Sweep time = Auto, Detector=Peak , Trace max hold
- 2 Allow trace to stabilize
- 3 Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

1. Set RBW=20kHz, VBW=100kHz, Sweep time = Auto, Detector=Sample , Trace max hold
- 2 Allow trace to stabilize
3. Use Occupied bandwidth function of spectrum analyzer to measuring 99% occupied bandwidth

3.5.2 Test Setup



3.5.3 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
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Refer to Appendix E.

3.6 Channel Separation

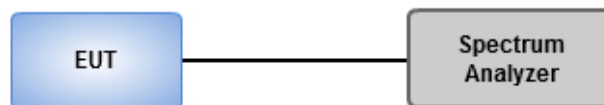
3.6.1 Limit of Channel Separation

- ☐ Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.
- ☒ Frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

3.6.2 Test Procedures

1. Set RBW=30kHz, VBW=100kHz, Sweep time = Auto, Detector=Peak Trace max hold
2. Allow trace to stabilize
3. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The EUT shall show compliance with the appropriate regulatory limit

3.6.3 Test Setup



3.6.4 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
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Refer to Appendix F.

3.7 Number of Dwell Time

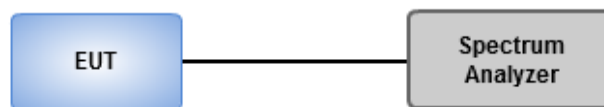
3.7.1 Limit of Dwell time

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

3.7.2 Test Procedures

1. Set RBW=300 kHz, VBW=1 MHz, Sweep time=8 /16 ms, Detector=Peak, Span=0 Hz, Trace max hold.
2. Enable gating and trigger function of spectrum analyzer to measure burst on time.
3. Enable gating and trigger function of spectrum analyzer to measure burst on number of transmissions of entire time cycle.

3.7.3 Test Setup



3.7.4 Test Results

Ambient Condition	25-26°C / 65-67%	Tested By	Roger Lu
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Refer to Appendix G.

3.8 AC Power Line Conducted Emissions

3.8.1 Limit of AC Power Line Conducted Emissions

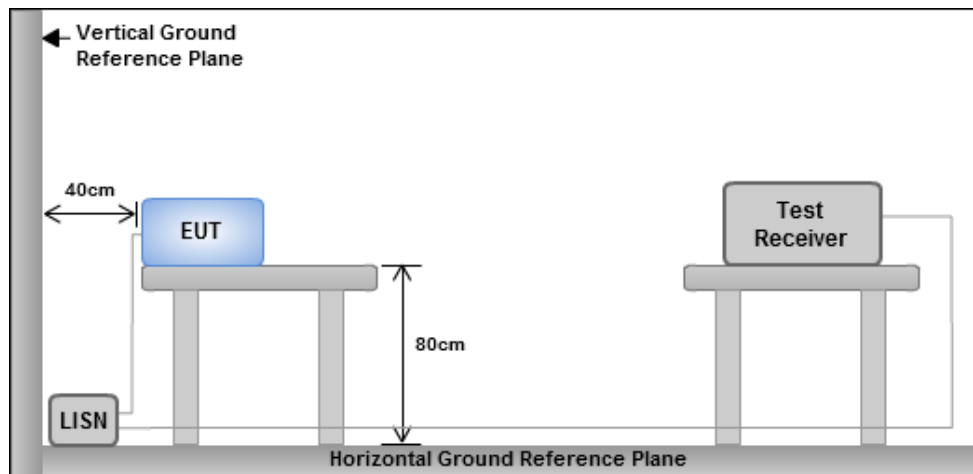
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.8.2 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

3.8.3 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

3.8.4 Test Results

Refer to Appendix H.

4 Test laboratory information

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

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

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

Linkou

Tel: 886-2-2601-1640

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

Kwei Shan

Tel: 886-3-271-8666

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

Kwei Shan Site II

Tel: 886-3-271-8640

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

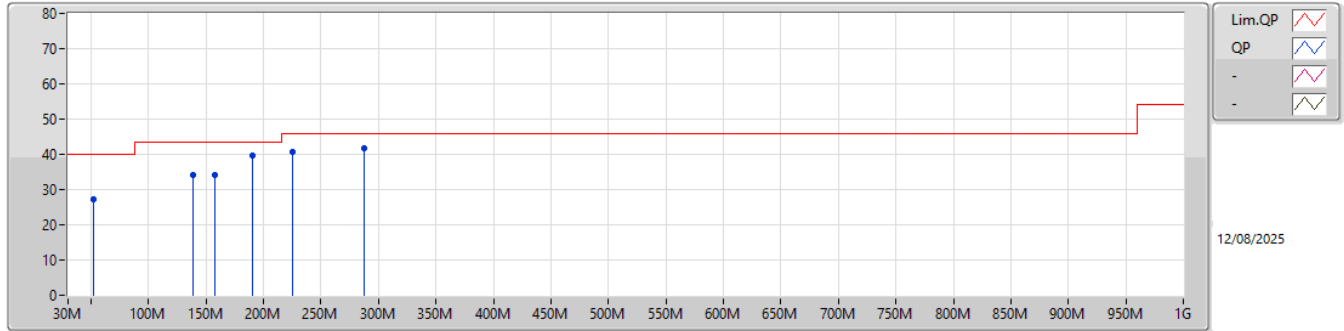
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	326.58M	42.39	46.00	-3.61	Vertical



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix A.1

Mode 1



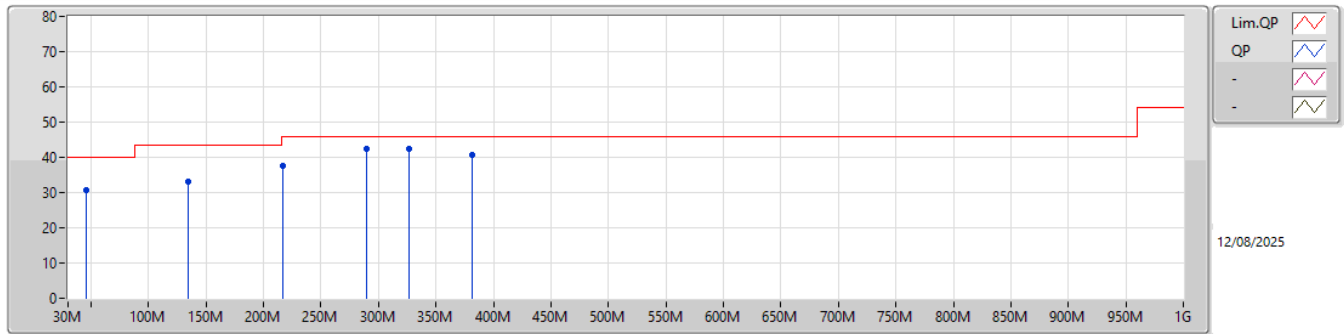
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	52.51M	27.12	40.00	-12.88	-8.69	3	Horizontal	-	-	-	35.81	18.75	0.73	28.17		
PK	138.36M	34.26	43.50	-9.24	-9.48	3	Horizontal	-	-	-	43.74	17.84	1.16	28.48		
PK	158.12M	34.02	43.50	-9.48	-8.87	3	Horizontal	-	-	-	42.89	18.40	1.24	28.51		
QP	190.15M	39.58	43.50	-3.92	-11.60	3	Horizontal	275	1.35	-	51.18	15.58	1.38	28.56		
QP	225.42M	40.79	46.00	-5.21	-12.21	3	Horizontal	272	1.34	-	53.00	14.86	1.49	28.56		
QP	287.13M	41.62	46.00	-4.38	-8.67	3	Horizontal	323	1.00	-	50.29	18.14	1.73	28.54		



Unwanted Emissions into Restricted Frequency Bands Below 1GHz

Appendix A.1

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	45.55M	30.53	40.00	-9.47	-8.89	3	Vertical	-	-	-	39.42	18.66	0.62	28.17		
PK	134.12M	33.26	43.50	-10.24	-9.93	3	Vertical	-	-	-	43.19	17.40	1.15	28.48		
PK	216.88M	37.56	46.00	-8.44	-12.24	3	Vertical	-	-	-	49.80	14.86	1.46	28.56		
PK	290.12M	42.31	46.00	-3.69	-8.59	3	Vertical	-	-	-	50.90	18.20	1.75	28.54		
QP	326.58M	42.39	46.00	-3.61	-7.47	3	Vertical	276	1.34	-	49.86	19.23	1.81	28.51		
PK	381.56M	40.65	46.00	-5.35	-6.13	3	Vertical	-	-	-	46.78	20.43	1.87	28.43		



**Unwanted Emissions into Restricted Frequency Bands
Above 1GHz**

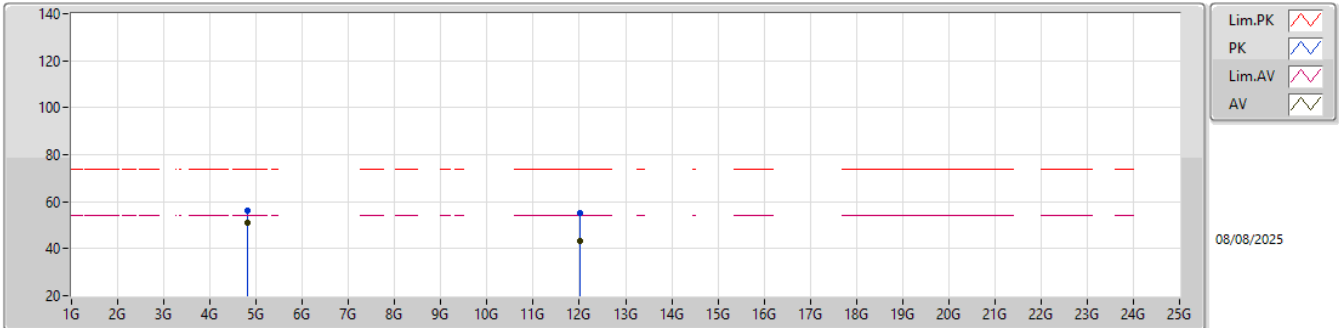
Appendix A.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	4.804G	51.16	54.00	-2.84	3	Horizontal	1	1.17	-
BT-LE(2Mbps)	Pass	AV	4.808G	50.19	54.00	-3.81	3	Horizontal	5	1.22	-

2.4-2.4835GHz_BT-LE(1Mbps)

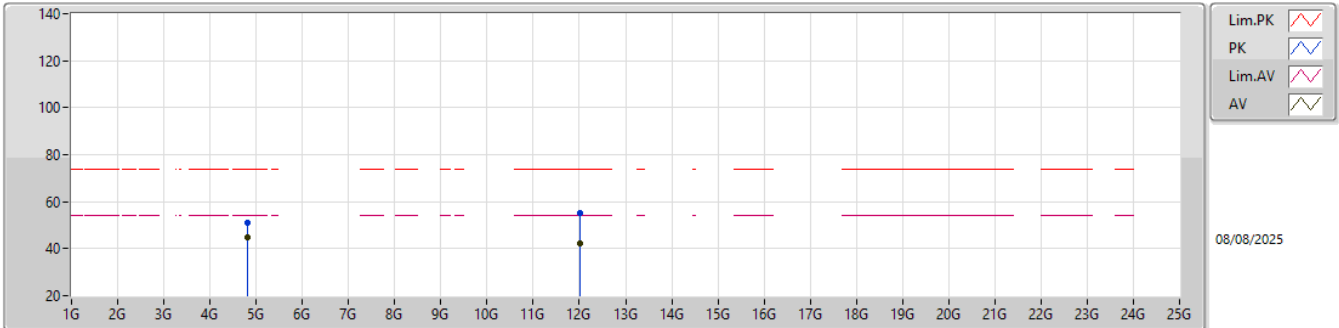
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.804G	51.16	54.00	-2.84	51.53	3	Horizontal	1	1.17	-	31.40	6.68	38.45				
PK	4.804G	56.12	74.00	-17.88	56.49	3	Horizontal	1	1.17	-	31.40	6.68	38.45				
AV	12.01G	43.45	54.00	-10.55	36.64	3	Horizontal	339	3.14	-	39.34	10.23	42.76				
PK	12.01G	55.15	74.00	-18.85	48.34	3	Horizontal	339	3.14	-	39.34	10.23	42.76				

2.4-2.4835GHz_BT-LE(1Mbps)

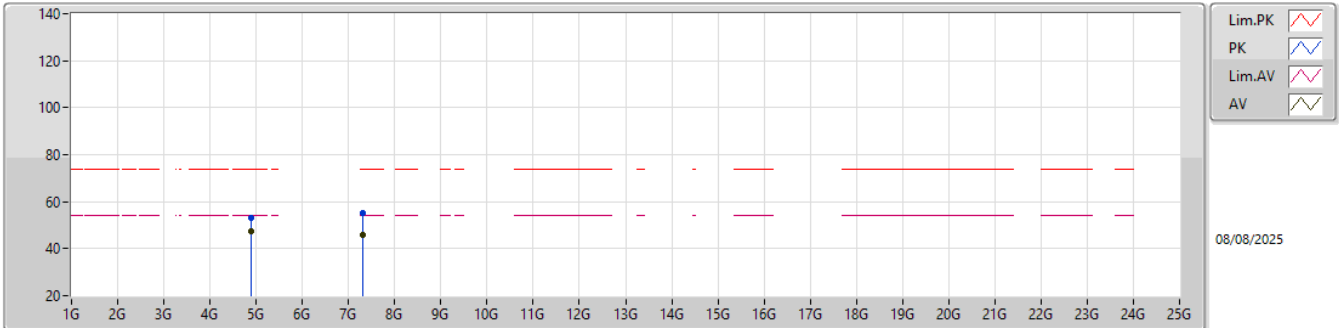
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.804G	44.64	54.00	-9.36	45.01	3	Vertical	308	1.83	-	31.40	6.68	38.45				
PK	4.804G	51.23	74.00	-22.77	51.60	3	Vertical	308	1.83	-	31.40	6.68	38.45				
AV	12.01G	42.45	54.00	-11.55	35.64	3	Vertical	10	1.02	-	39.34	10.23	42.76				
PK	12.01G	55.08	74.00	-18.92	48.27	3	Vertical	10	1.02	-	39.34	10.23	42.76				

2.4-2.4835GHz_BT-LE(1Mbps)

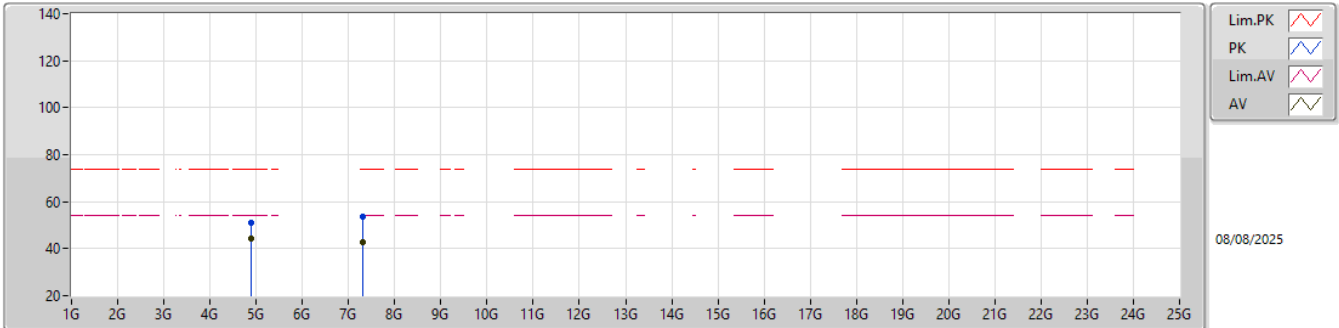
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.88G	47.46	54.00	-6.54	47.80	3	Horizontal	359	2.27	-	31.40	6.77	38.51				
PK	4.88G	52.99	74.00	-21.01	53.33	3	Horizontal	359	2.27	-	31.40	6.77	38.51				
AV	7.32G	45.92	54.00	-8.08	40.31	3	Horizontal	30	1.62	-	36.26	8.63	39.28				
PK	7.32G	55.16	74.00	-18.84	49.55	3	Horizontal	30	1.62	-	36.26	8.63	39.28				

2.4-2.4835GHz_BT-LE(1Mbps)

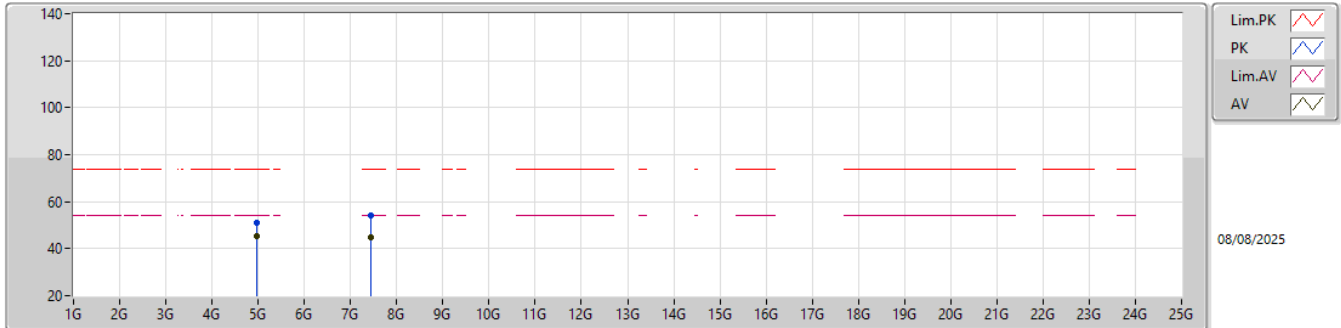
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.88G	44.31	54.00	-9.69	44.65	3	Vertical	307	1.37	-	31.40	6.77	38.51				
PK	4.88G	51.04	74.00	-22.96	51.38	3	Vertical	307	1.37	-	31.40	6.77	38.51				
AV	7.32G	42.87	54.00	-11.13	37.26	3	Vertical	30	2.97	-	36.26	8.63	39.28				
PK	7.32G	53.58	74.00	-20.42	47.97	3	Vertical	30	2.97	-	36.26	8.63	39.28				

2.4-2.4835GHz_BT-LE(1Mbps)

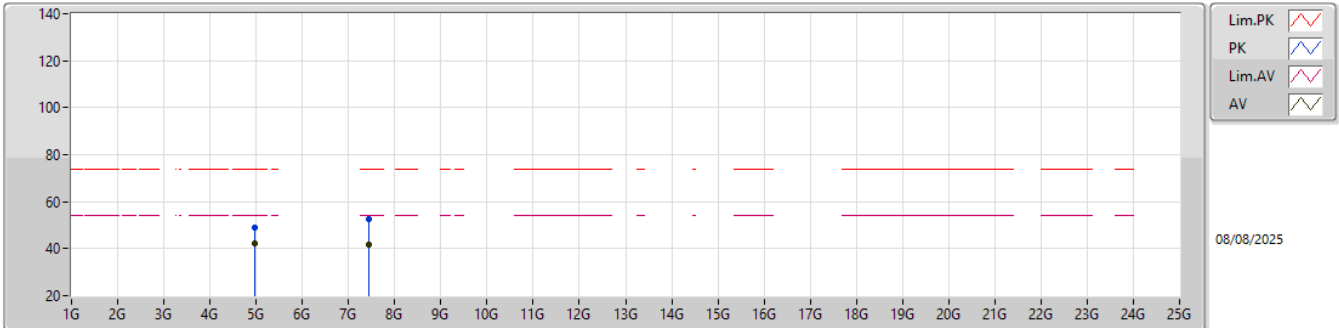
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.96G	45.58	54.00	-8.42	45.84	3	Horizontal	355	2.29	-	31.44	6.86	38.56				
PK	4.96G	50.89	74.00	-23.11	51.15	3	Horizontal	355	2.29	-	31.44	6.86	38.56				
AV	7.44G	44.75	54.00	-9.25	39.24	3	Horizontal	35	1.69	-	36.28	8.66	39.43				
PK	7.44G	54.26	74.00	-19.74	48.75	3	Horizontal	35	1.69	-	36.28	8.66	39.43				

2.4-2.4835GHz_BT-LE(1Mbps)

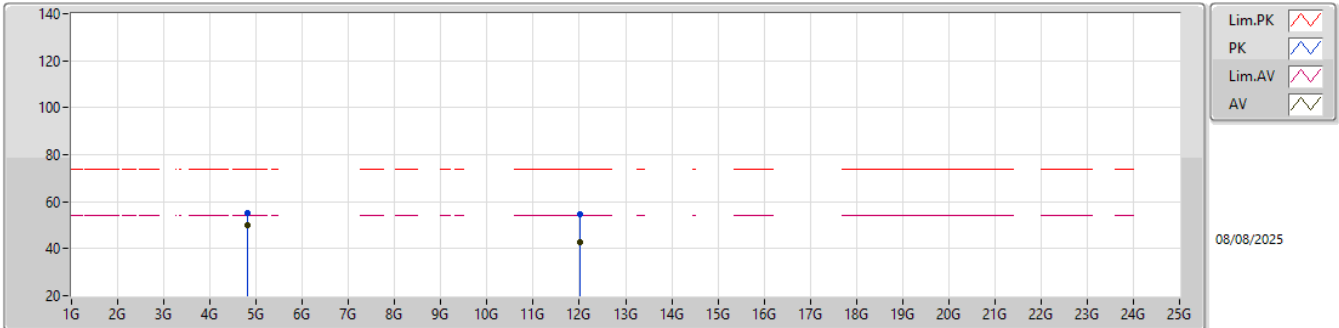
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.96G	42.45	54.00	-11.55	42.71	3	Vertical	311	1.28	-	31.44	6.86	38.56				
PK	4.96G	49.21	74.00	-24.79	49.47	3	Vertical	311	1.28	-	31.44	6.86	38.56				
AV	7.44G	41.93	54.00	-12.07	36.42	3	Vertical	28	3.02	-	36.28	8.66	39.43				
PK	7.44G	52.66	74.00	-21.34	47.15	3	Vertical	28	3.02	-	36.28	8.66	39.43				

2.4-2.4835GHz_BT-LE(2Mbps)

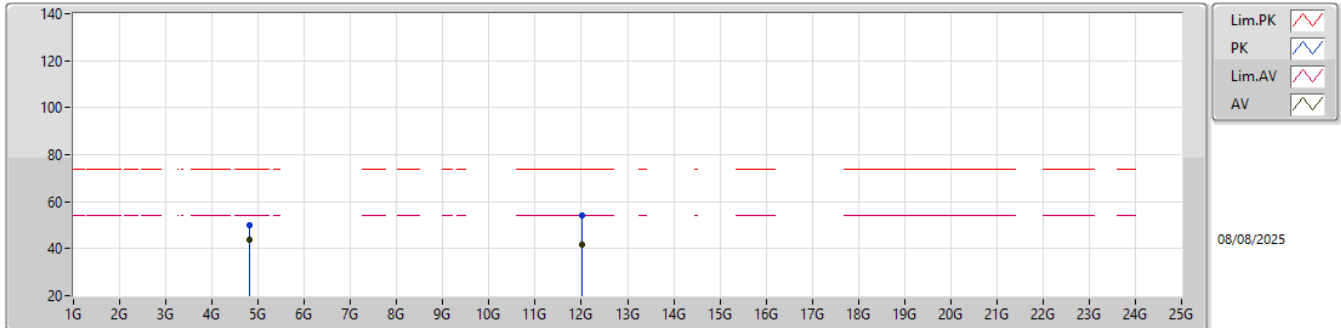
2404MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)			
AV	4.808G	50.19	54.00	-3.81	50.56	3	Horizontal	5	1.22	-	31.40	6.69	38.46			
PK	4.808G	55.39	74.00	-18.61	55.76	3	Horizontal	5	1.22	-	31.40	6.69	38.46			
AV	12.02G	42.54	54.00	-11.46	35.70	3	Horizontal	339	2.98	-	39.38	10.23	42.77			
PK	12.02G	54.69	74.00	-19.31	47.85	3	Horizontal	339	2.98	-	39.38	10.23	42.77			

2.4-2.4835GHz_BT-LE(2Mbps)

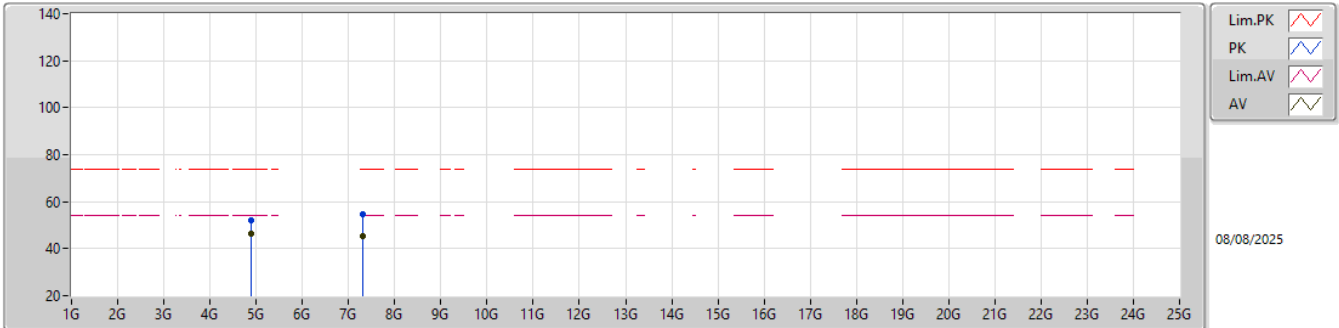
2404MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.808G	43.82	54.00	-10.18	44.19	3	Vertical	303	1.69	-	31.40	6.69	38.46				
PK	4.808G	50.21	74.00	-23.79	50.58	3	Vertical	303	1.69	-	31.40	6.69	38.46				
AV	12.02G	41.73	54.00	-12.27	34.89	3	Vertical	6	1.02	-	39.38	10.23	42.77				
PK	12.02G	54.19	74.00	-19.81	47.35	3	Vertical	8	1.02	-	39.38	10.23	42.77				

2.4-2.4835GHz_BT-LE(2Mbps)

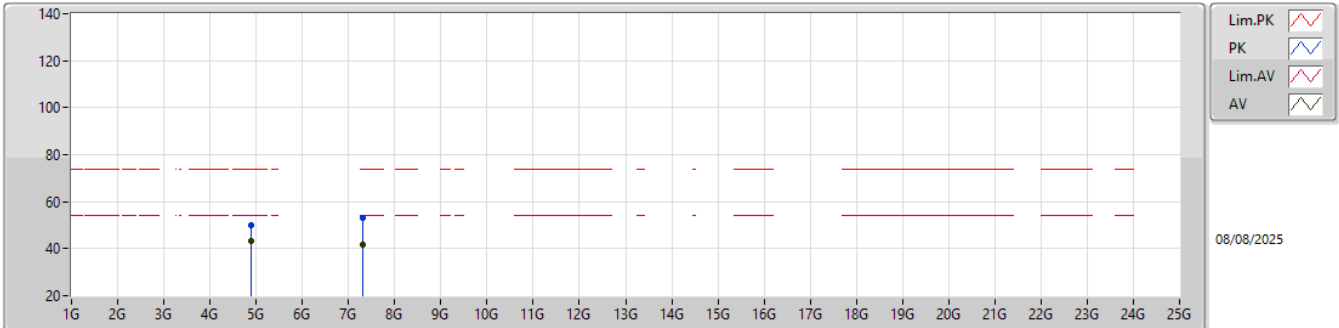
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.88G	46.28	54.00	-7.72	46.62	3	Horizontal	357	2.19	-	31.40	6.77	38.51				
PK	4.88G	51.85	74.00	-22.15	52.19	3	Horizontal	357	2.19	-	31.40	6.77	38.51				
AV	7.32G	45.25	54.00	-8.75	39.64	3	Horizontal	31	1.59	-	36.26	8.63	39.28				
PK	7.32G	54.68	74.00	-19.32	49.07	3	Horizontal	31	1.59	-	36.26	8.63	39.28				

2.4-2.4835GHz_BT-LE(2Mbps)

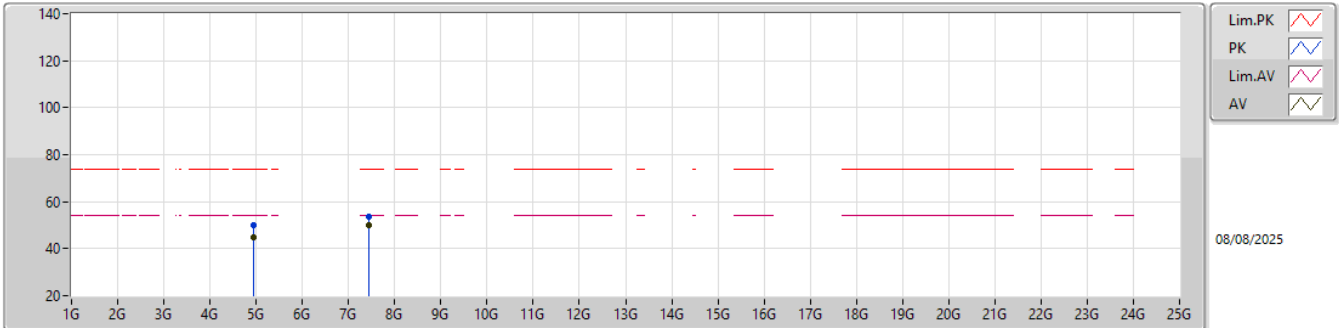
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.88G	43.25	54.00	-10.75	43.59	3	Vertical	305	1.37	-	31.40	6.77	38.51				
PK	4.88G	50.15	74.00	-23.85	50.49	3	Vertical	305	1.37	-	31.40	6.77	38.51				
AV	7.32G	41.96	54.00	-12.04	36.35	3	Vertical	29	3.03	-	36.26	8.63	39.28				
PK	7.32G	52.89	74.00	-21.11	47.28	3	Vertical	29	3.03	-	36.26	8.63	39.28				

2.4-2.4835GHz_BT-LE(2Mbps)

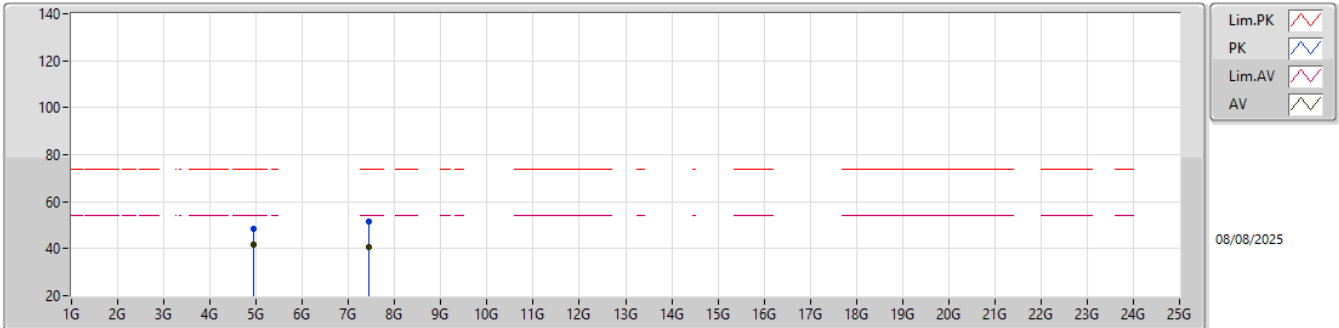
2478MHz_TX



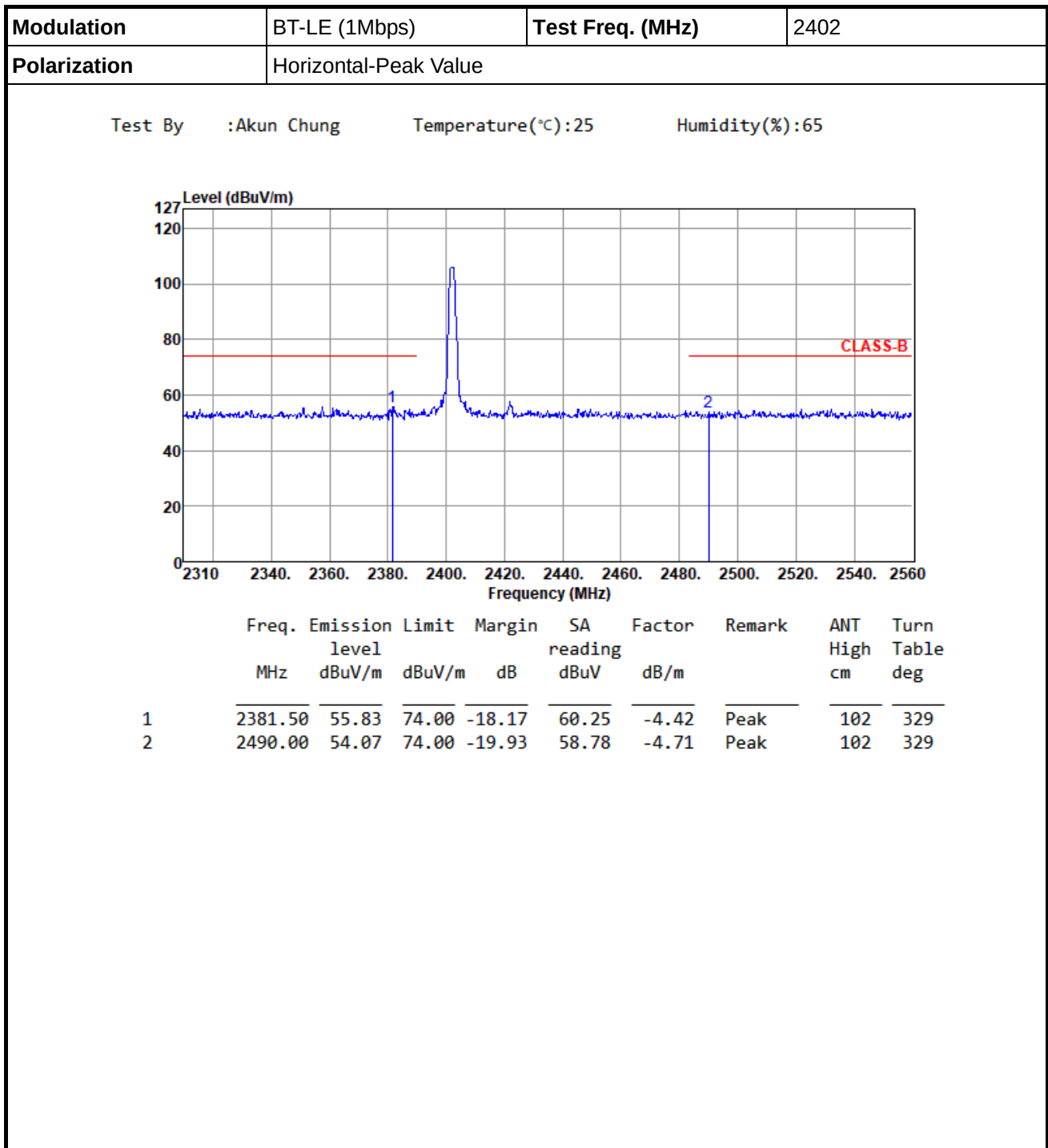
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AV	4.956G	44.82	54.00	-9.18	45.10	3	Horizontal	351	2.33	-	31.42	6.86	38.56				
PK	4.956G	50.13	74.00	-23.87	50.41	3	Horizontal	351	2.33	-	31.42	6.86	38.56				
AV	7.434G	49.79	54.00	-4.21	44.28	3	Horizontal	42	1.73	-	36.27	8.66	39.42				
PK	7.434G	53.46	74.00	-20.54	47.95	3	Horizontal	42	1.73	-	36.27	8.66	39.42				

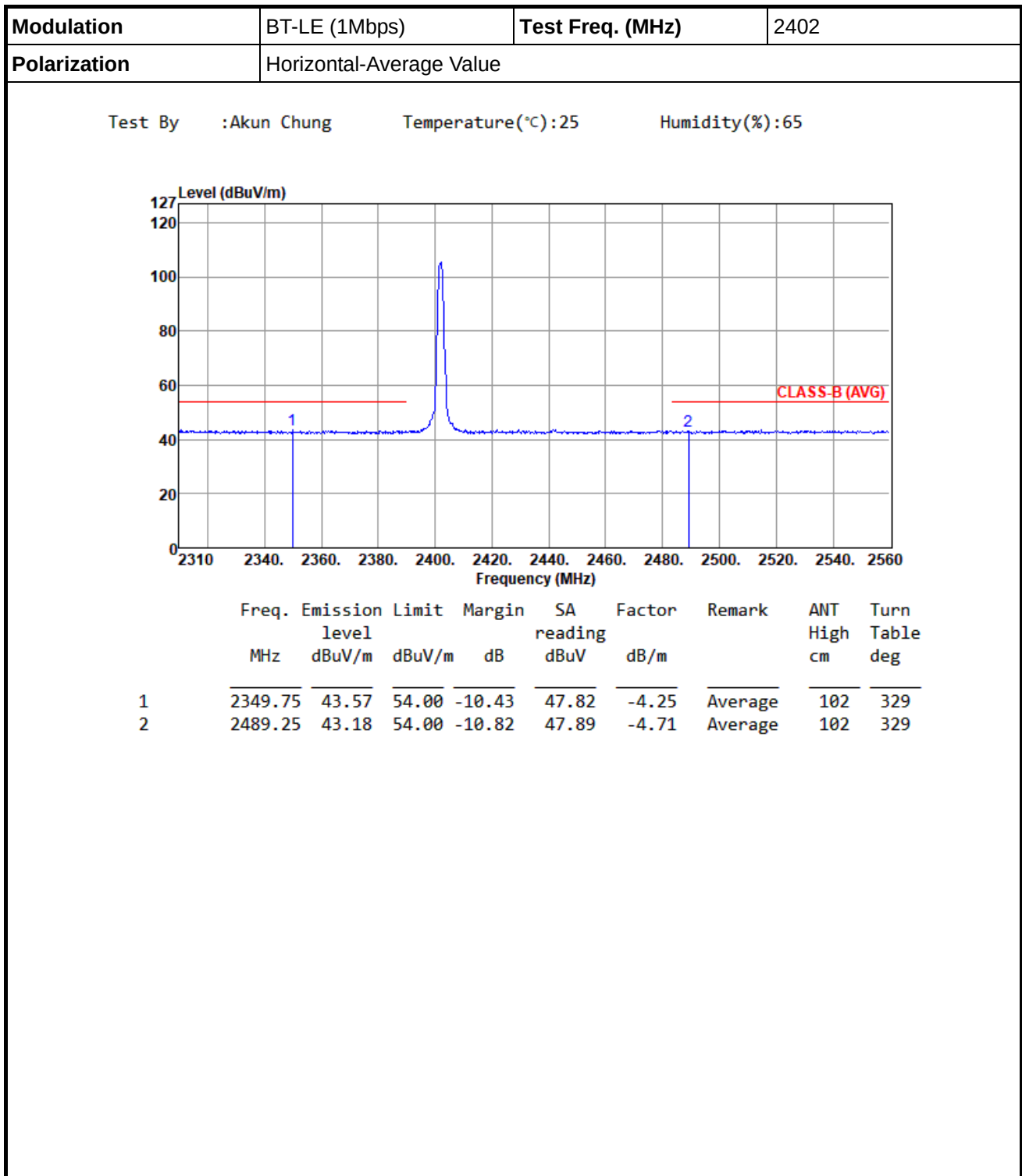
2.4-2.4835GHz_BT-LE(2Mbps)

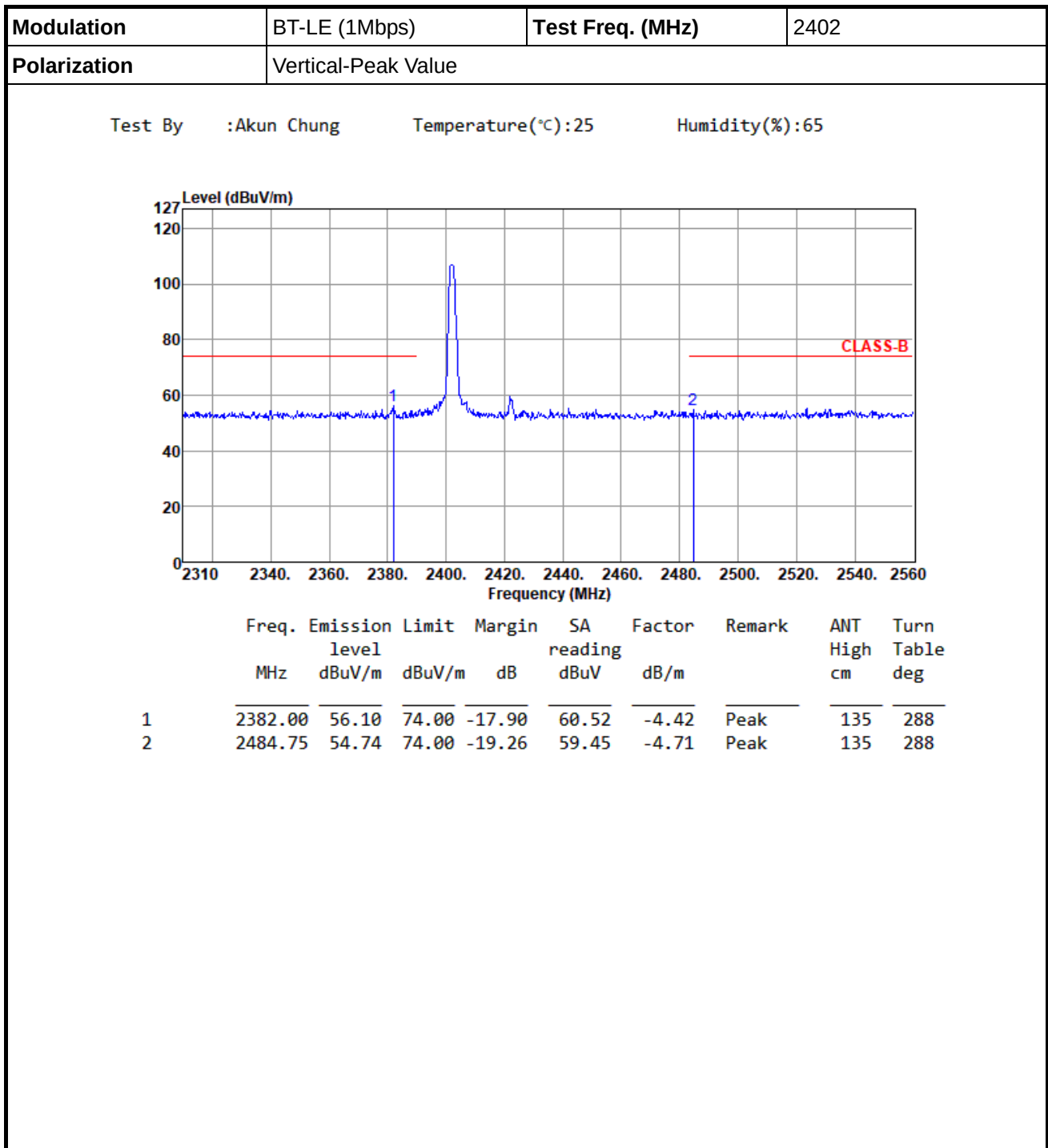
2478MHz_TX

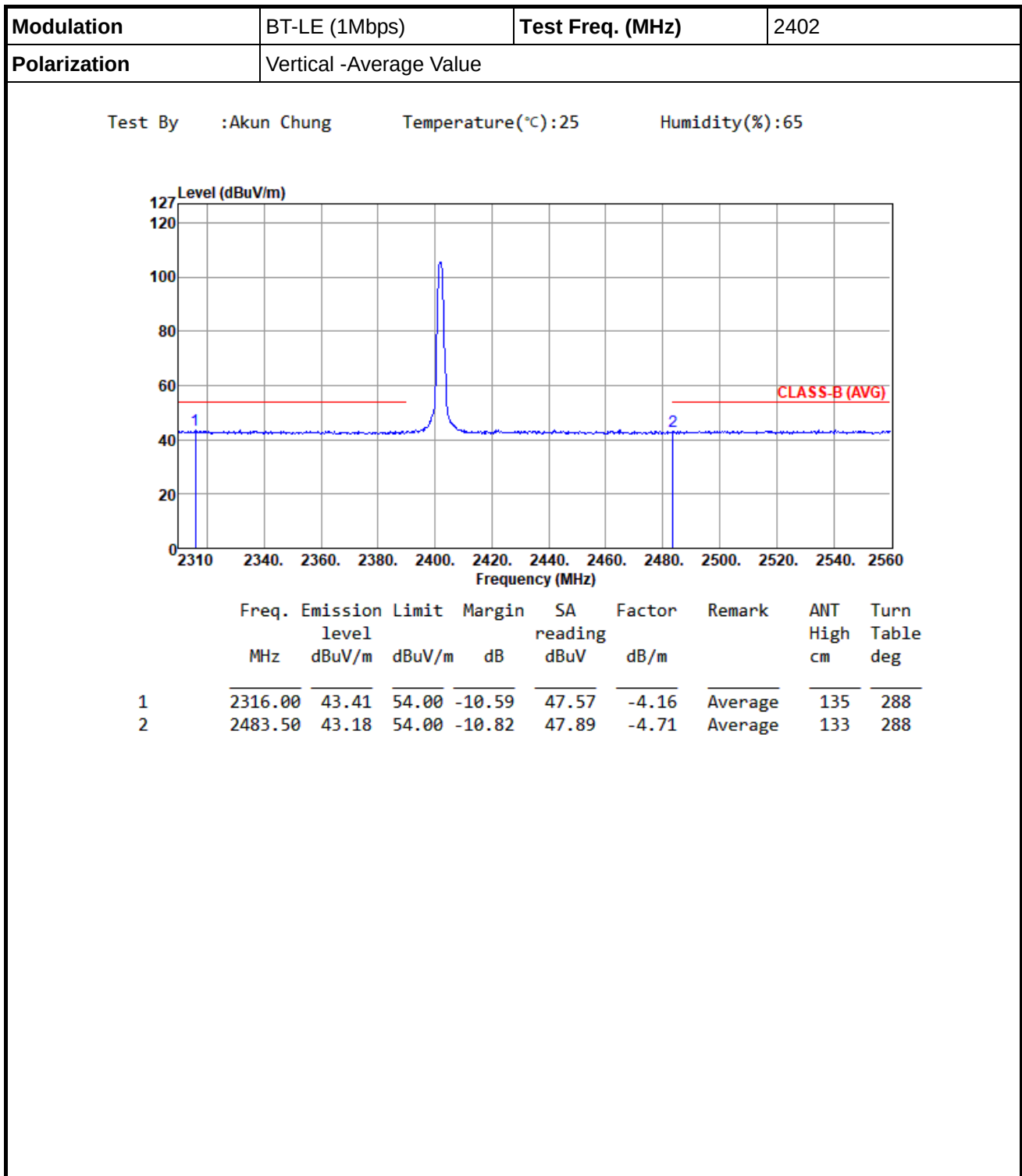


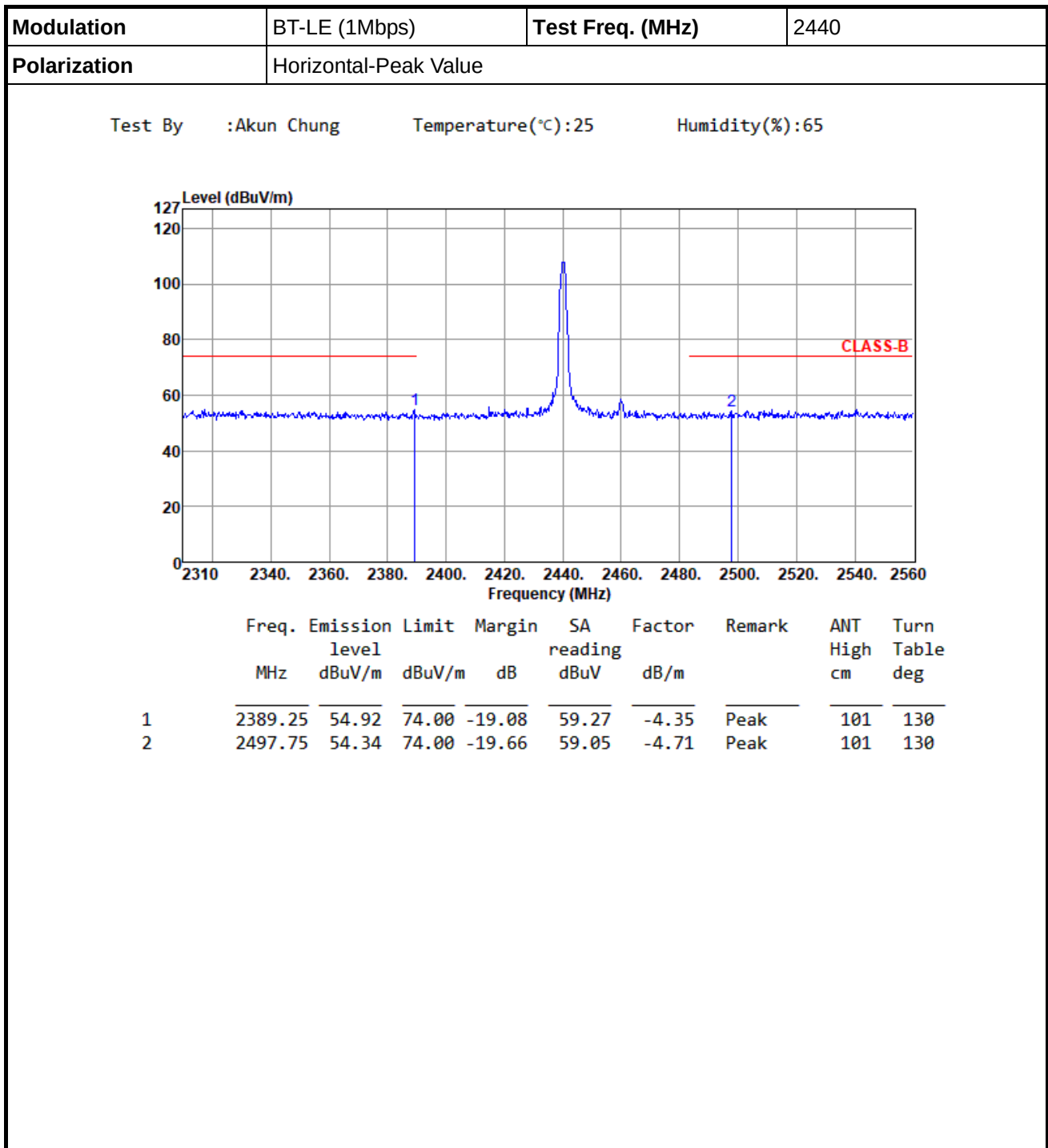
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AV	4.956G	41.48	54.00	-12.52	41.76	3	Vertical	313	1.33	-	31.42	6.86	38.56				
PK	4.956G	48.19	74.00	-25.81	48.47	3	Vertical	313	1.33	-	31.42	6.86	38.56				
AV	7.434G	40.78	54.00	-13.22	35.27	3	Vertical	28	3.09	-	36.27	8.66	39.42				
PK	7.434G	51.58	74.00	-22.42	46.07	3	Vertical	28	3.09	-	36.27	8.66	39.42				

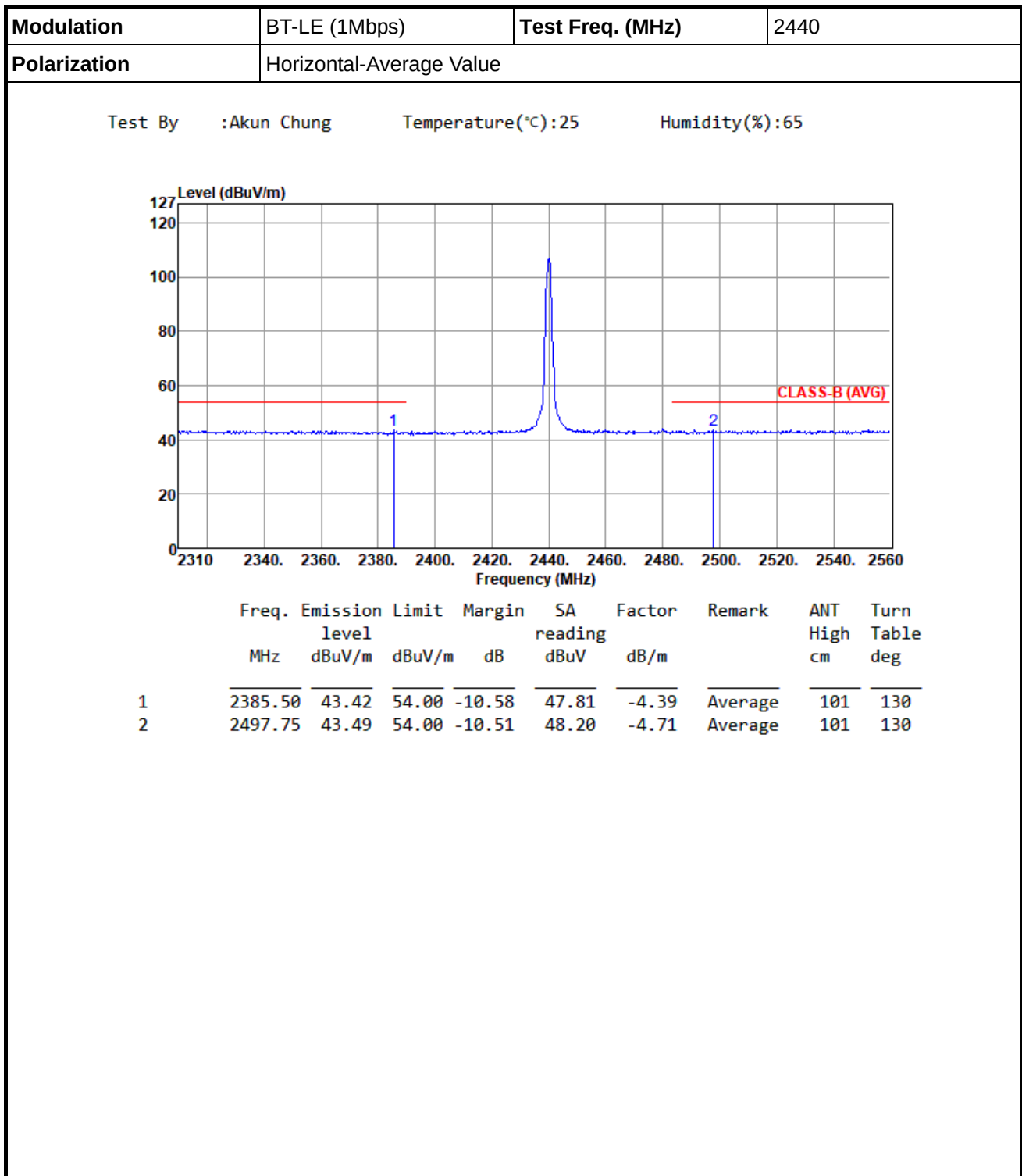


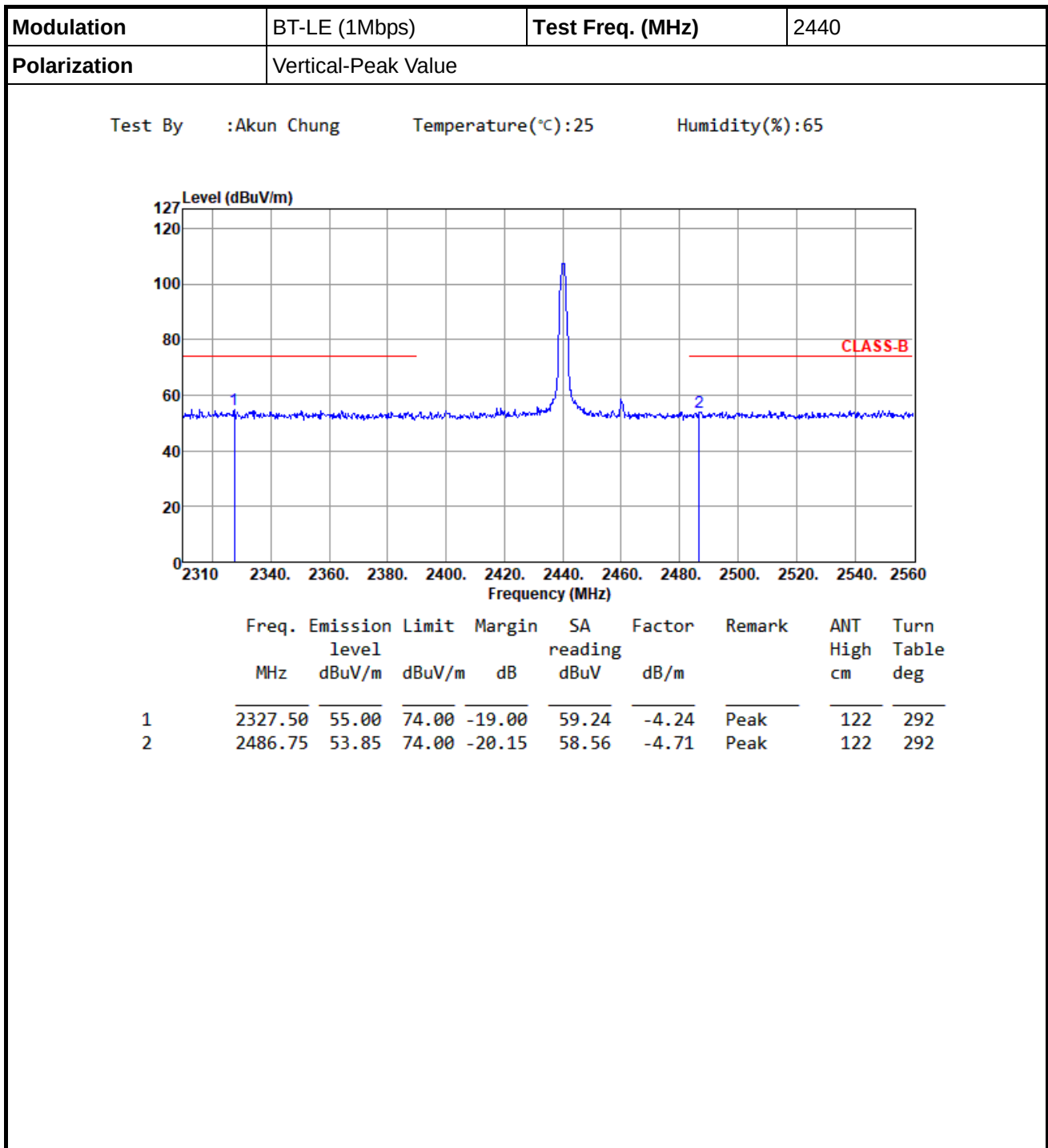


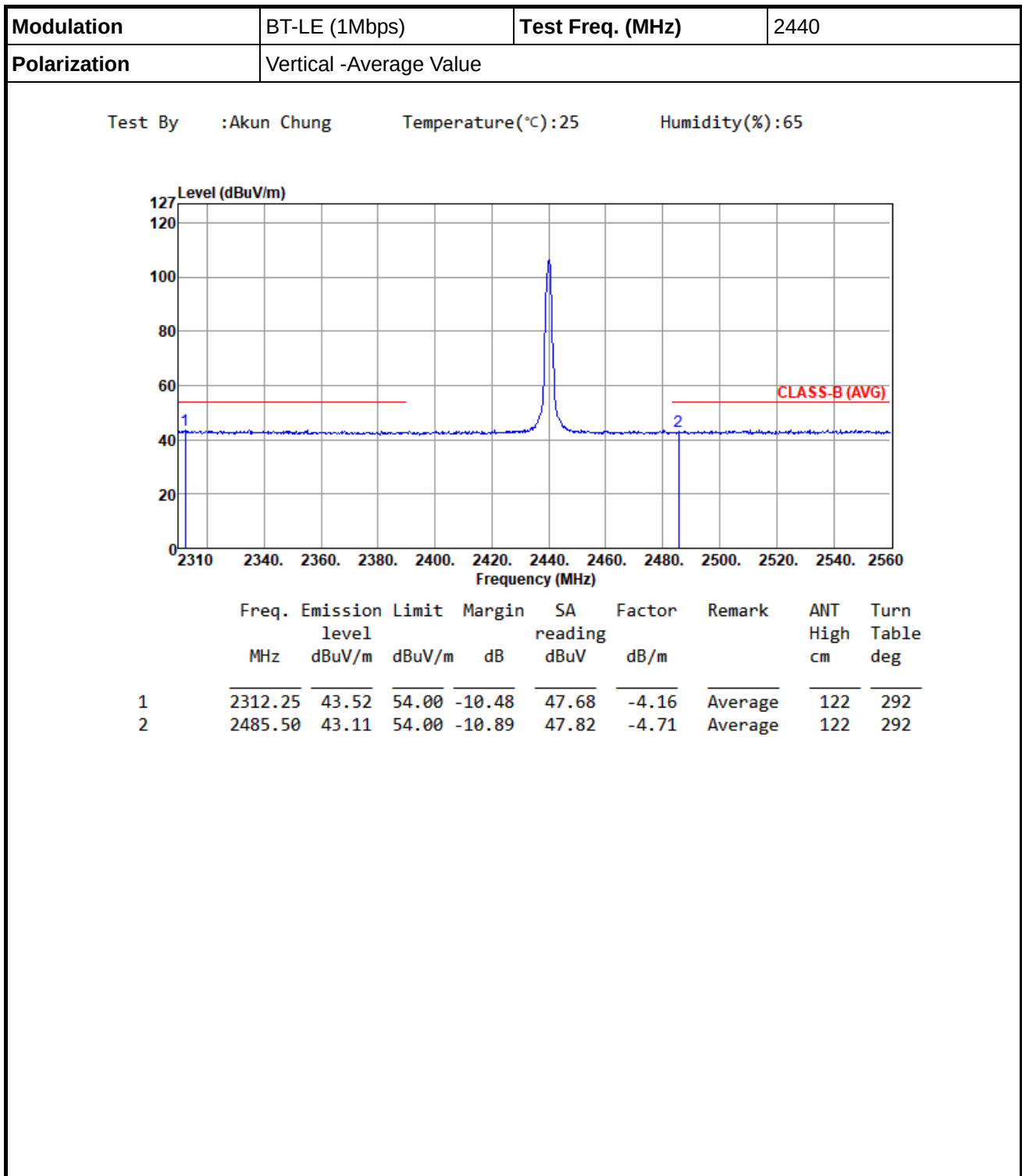


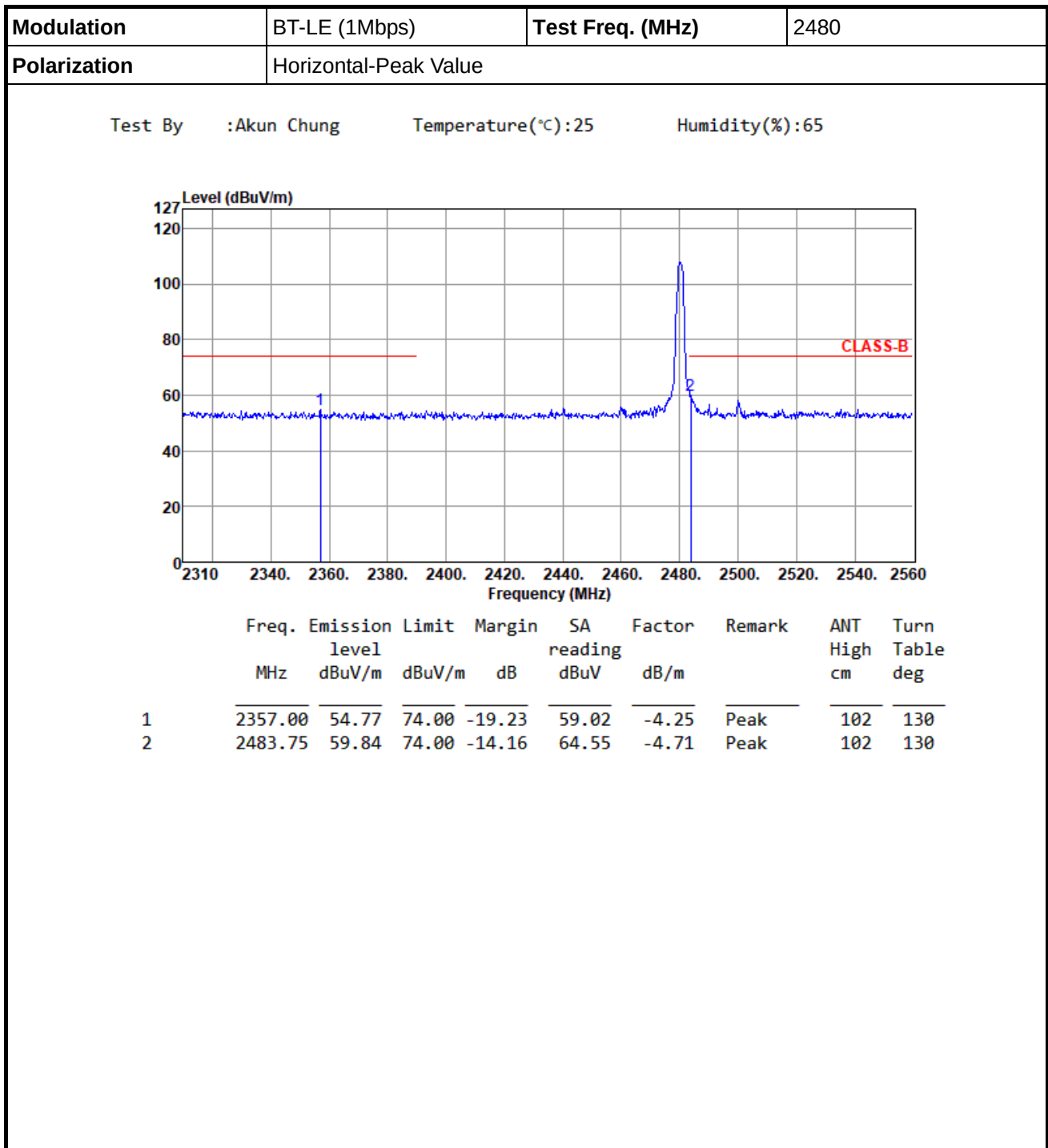


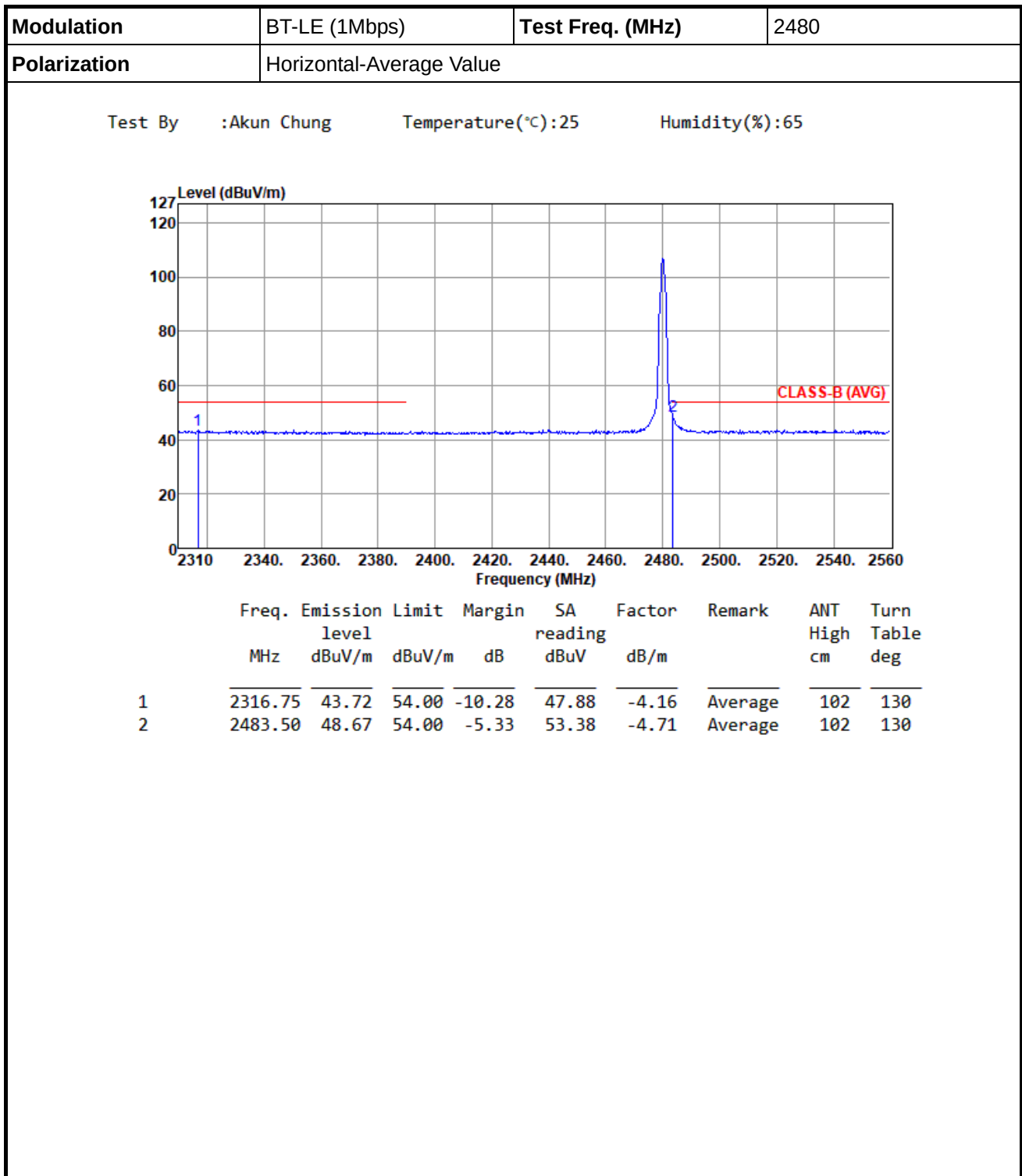


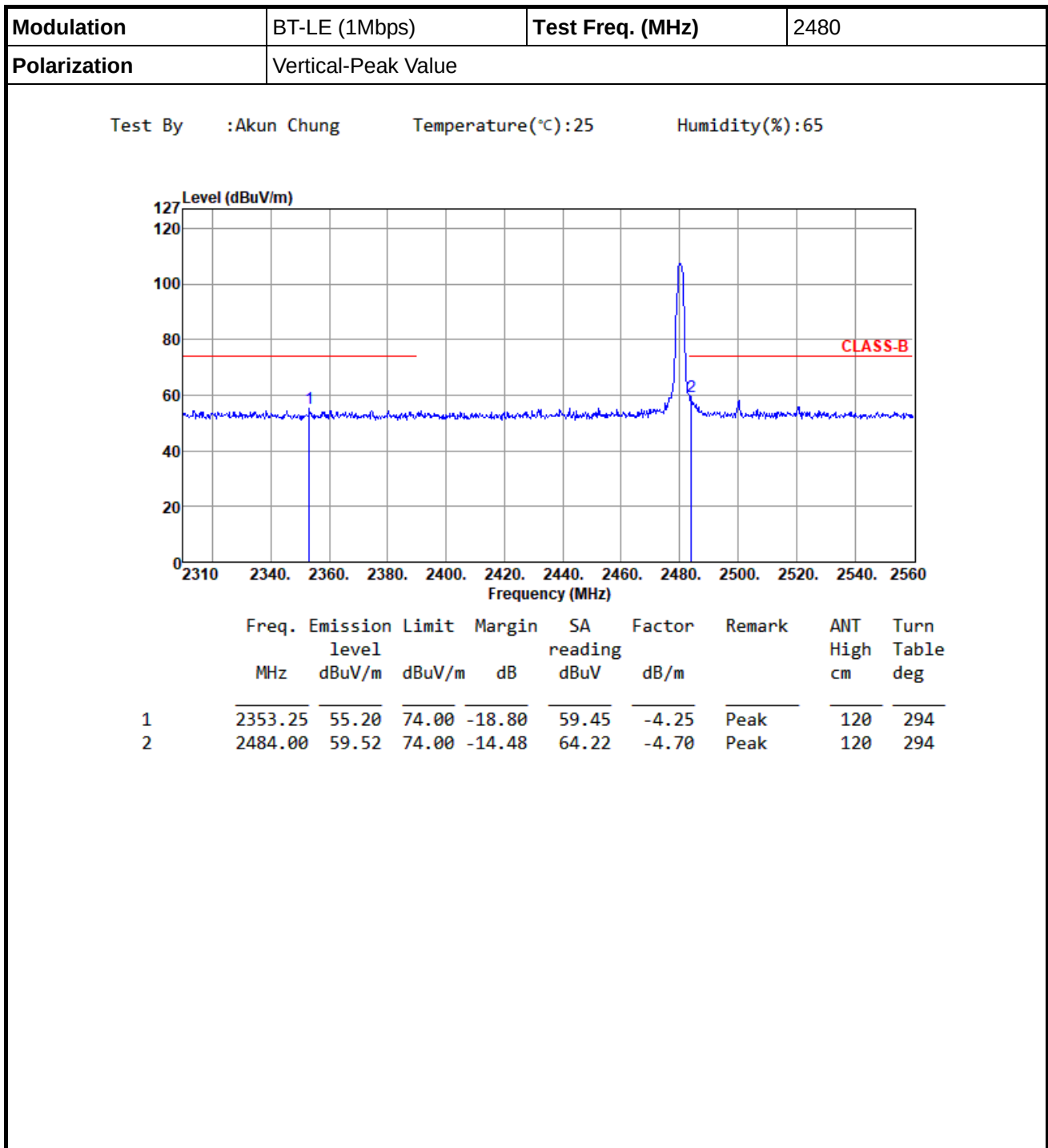


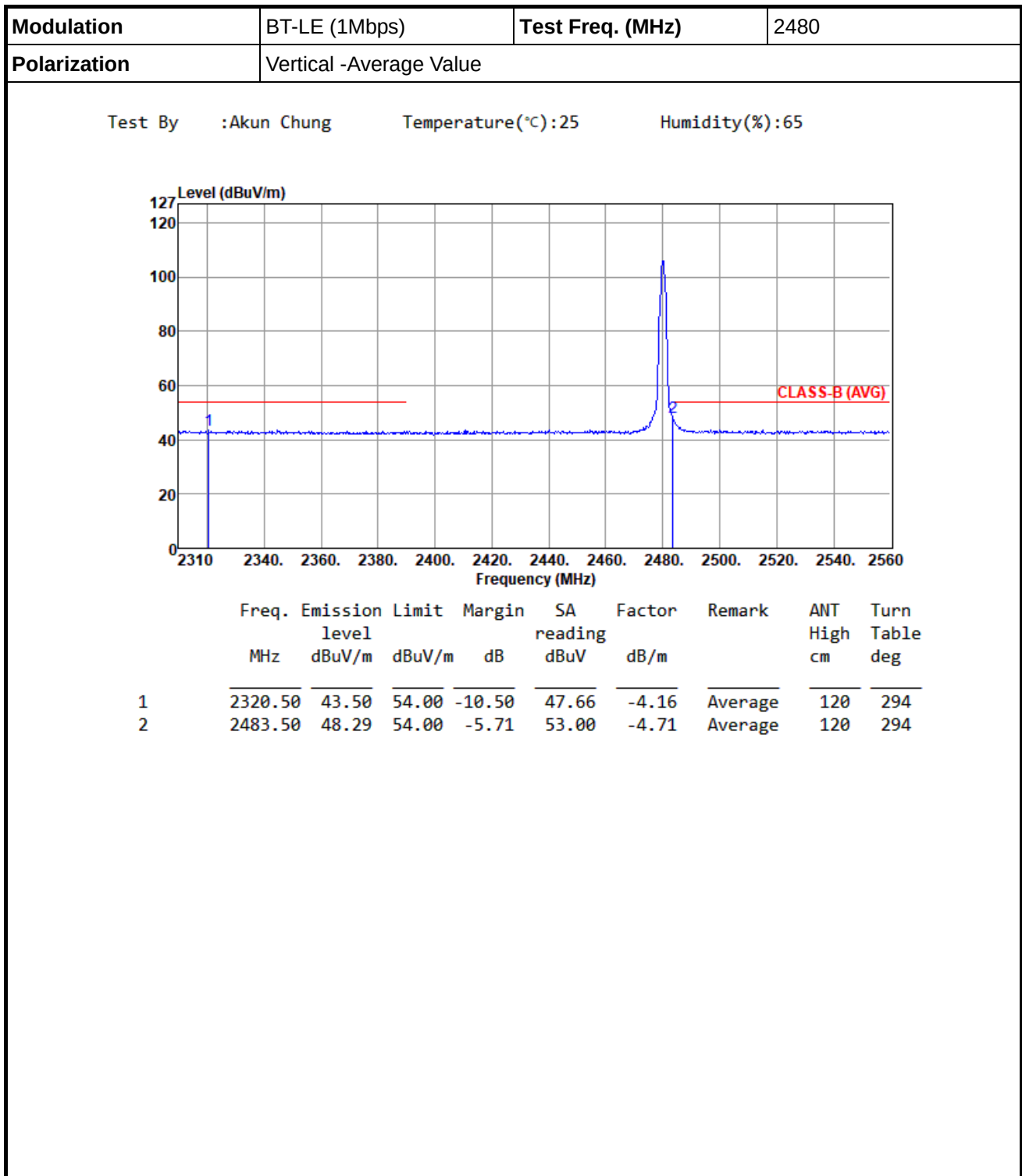


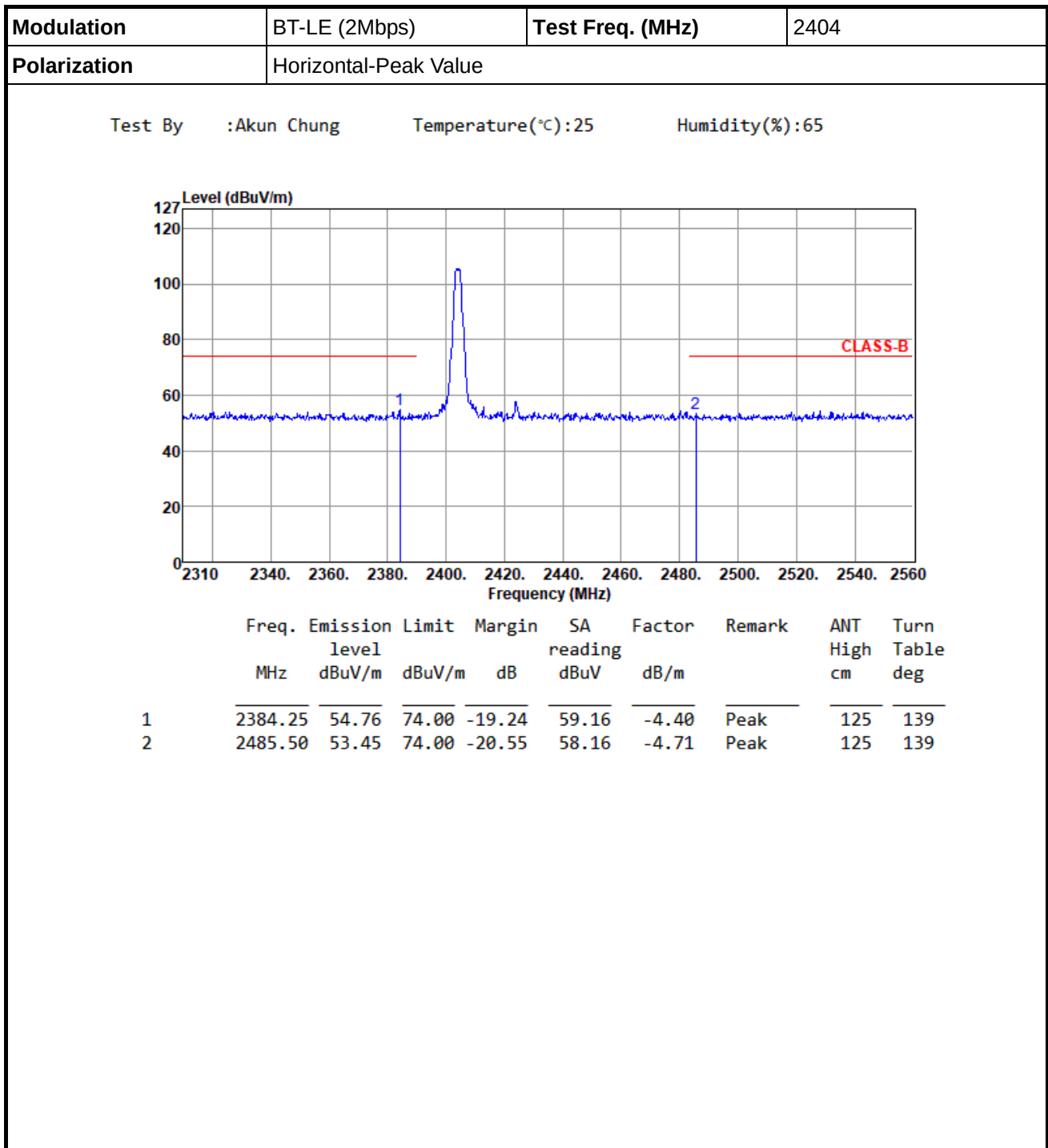


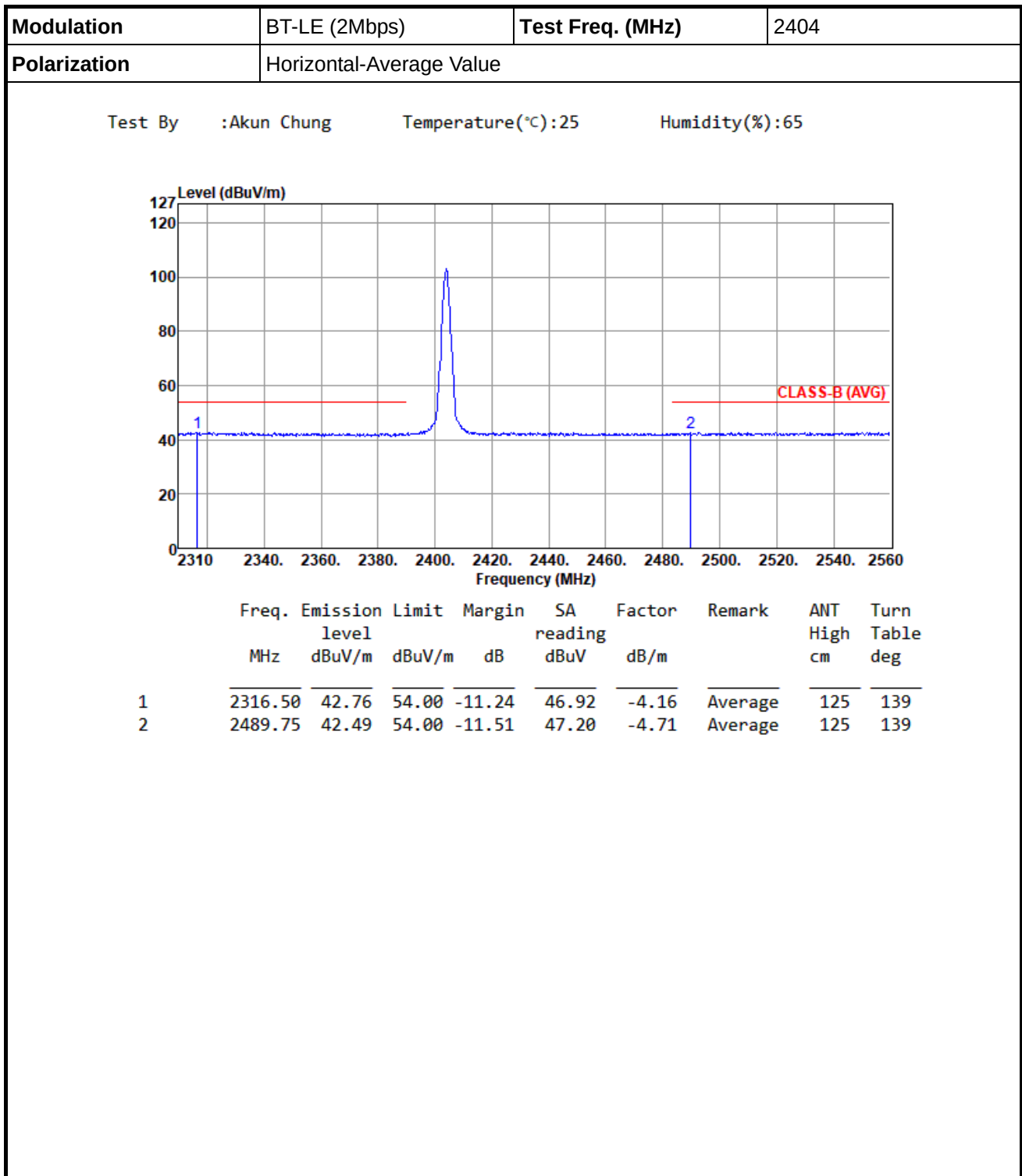


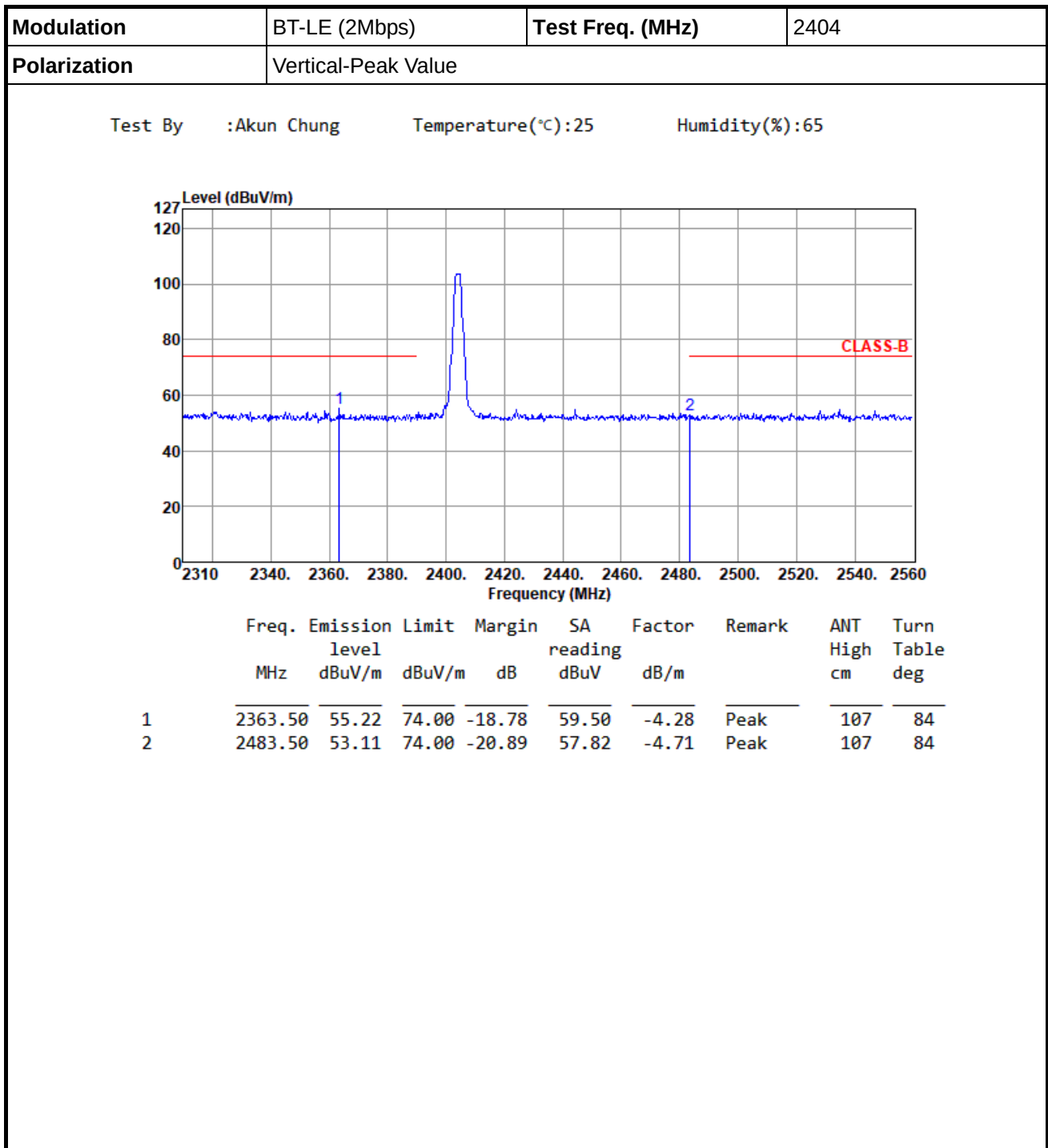


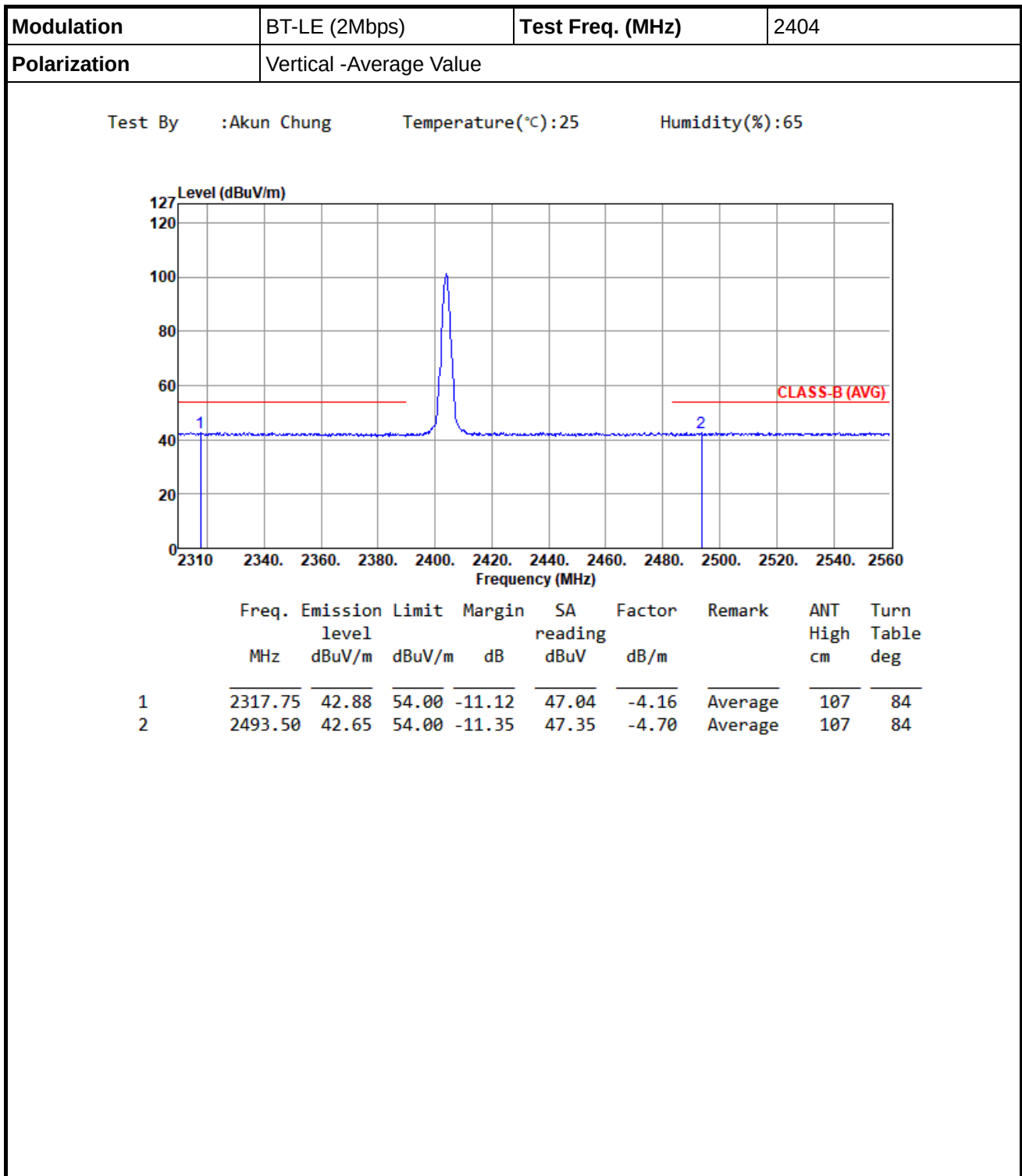


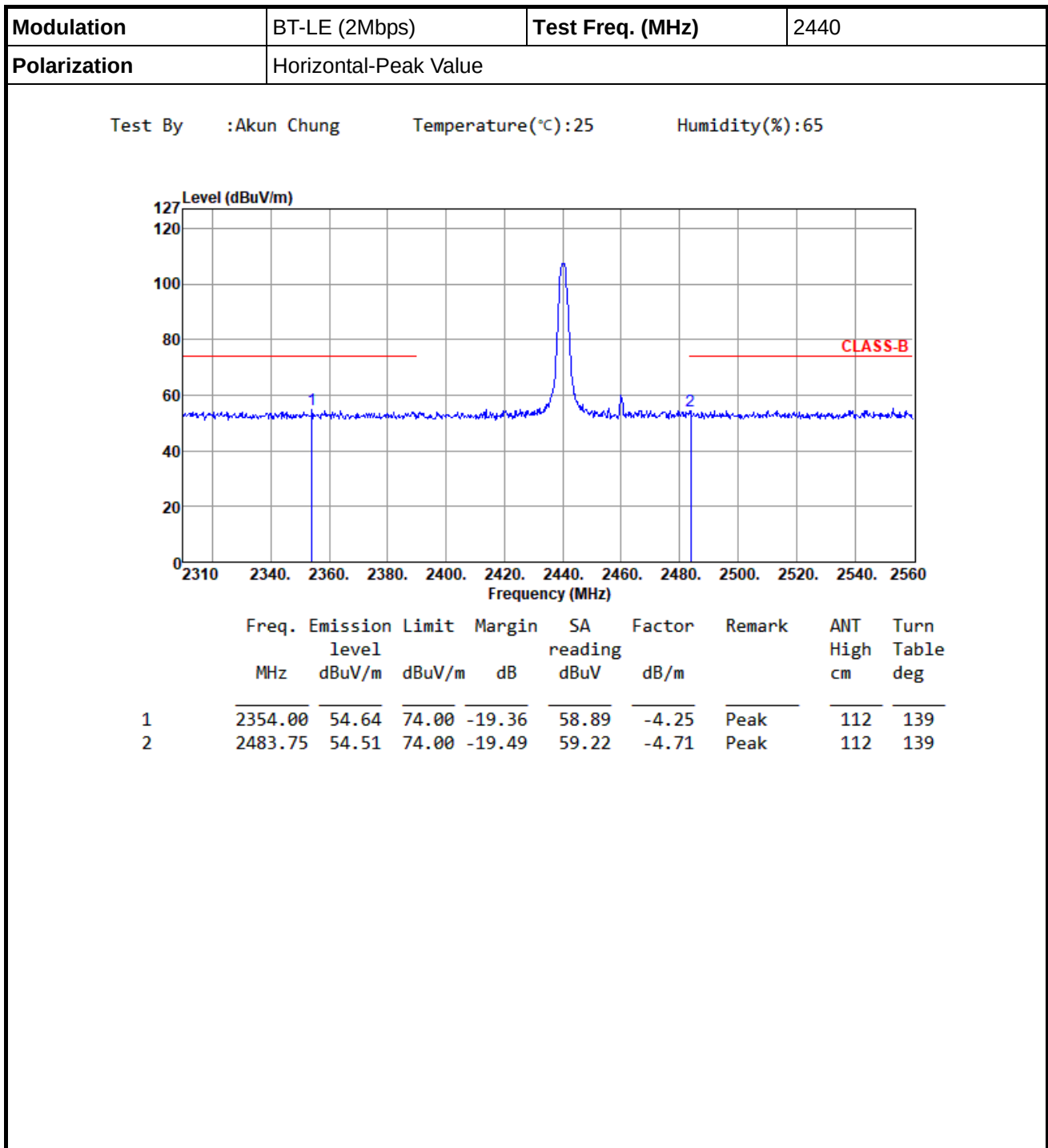


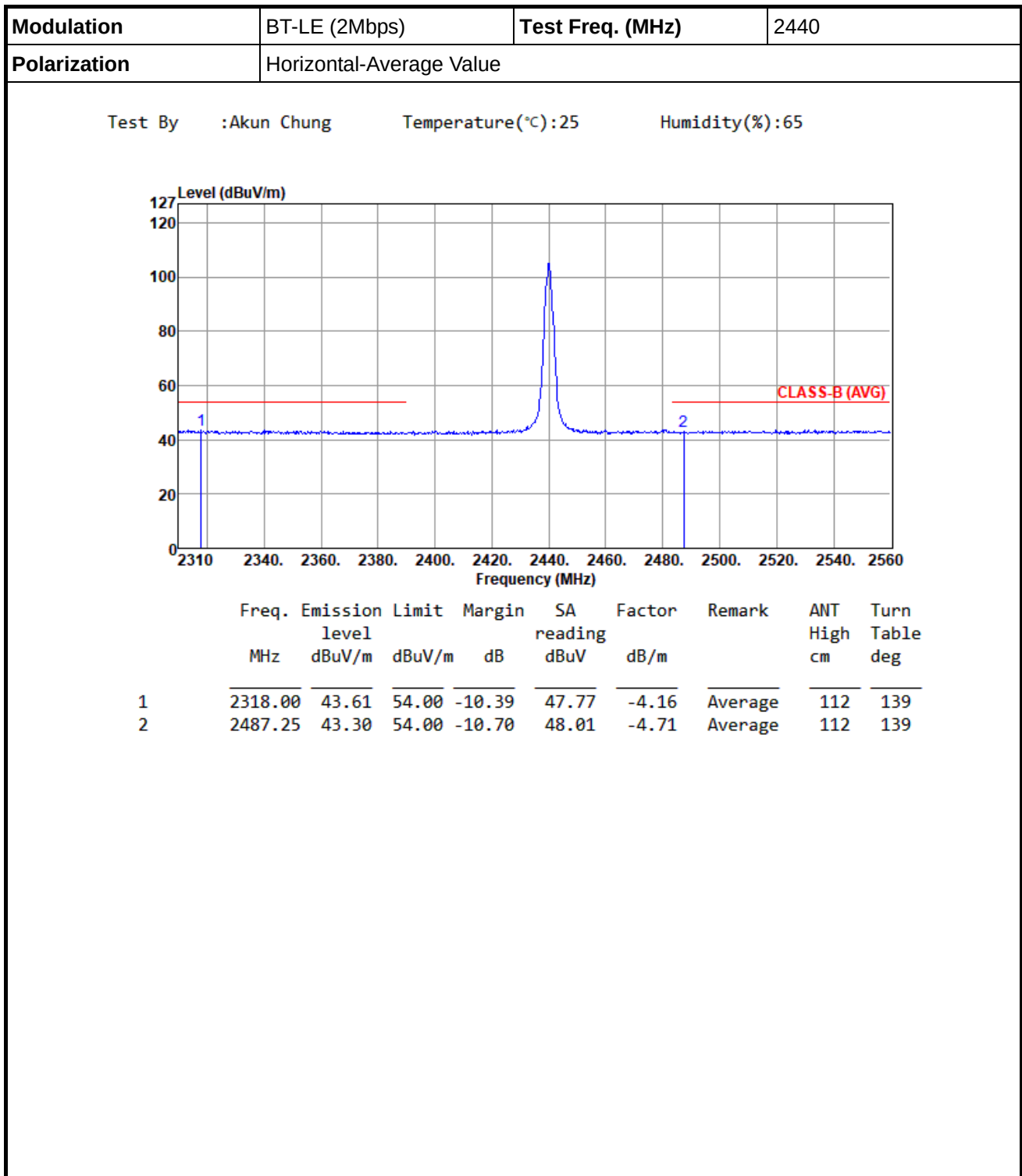


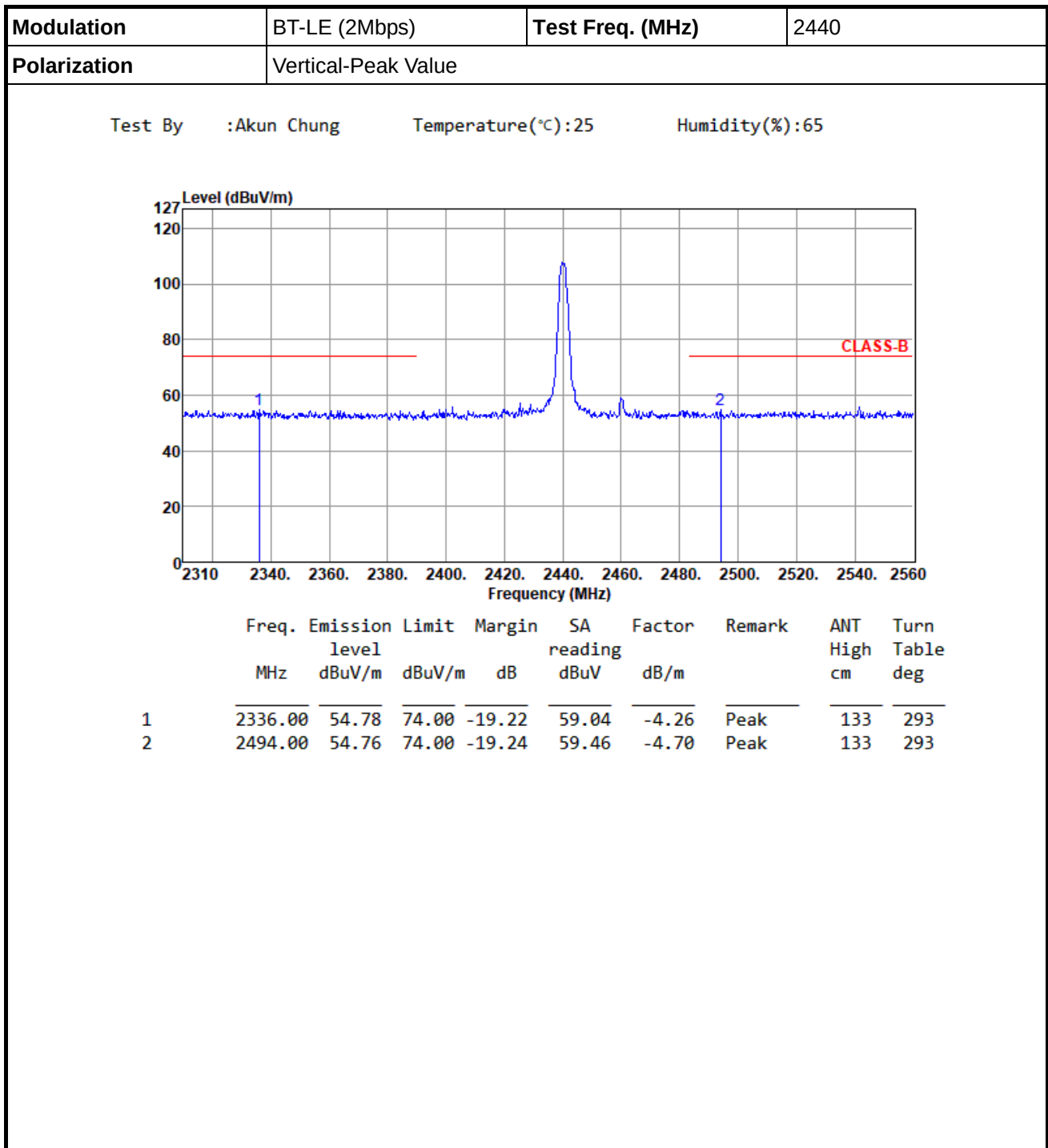


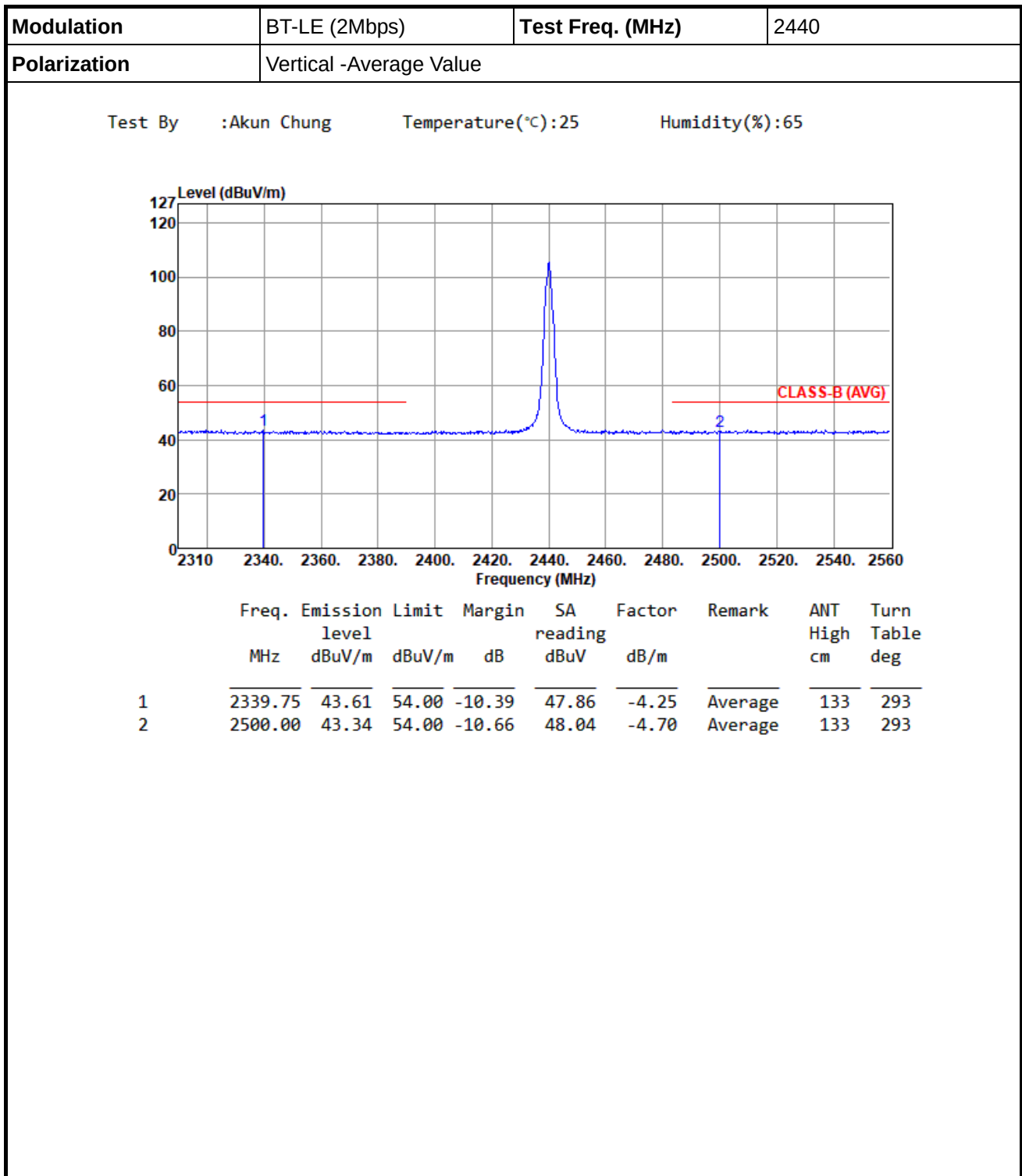


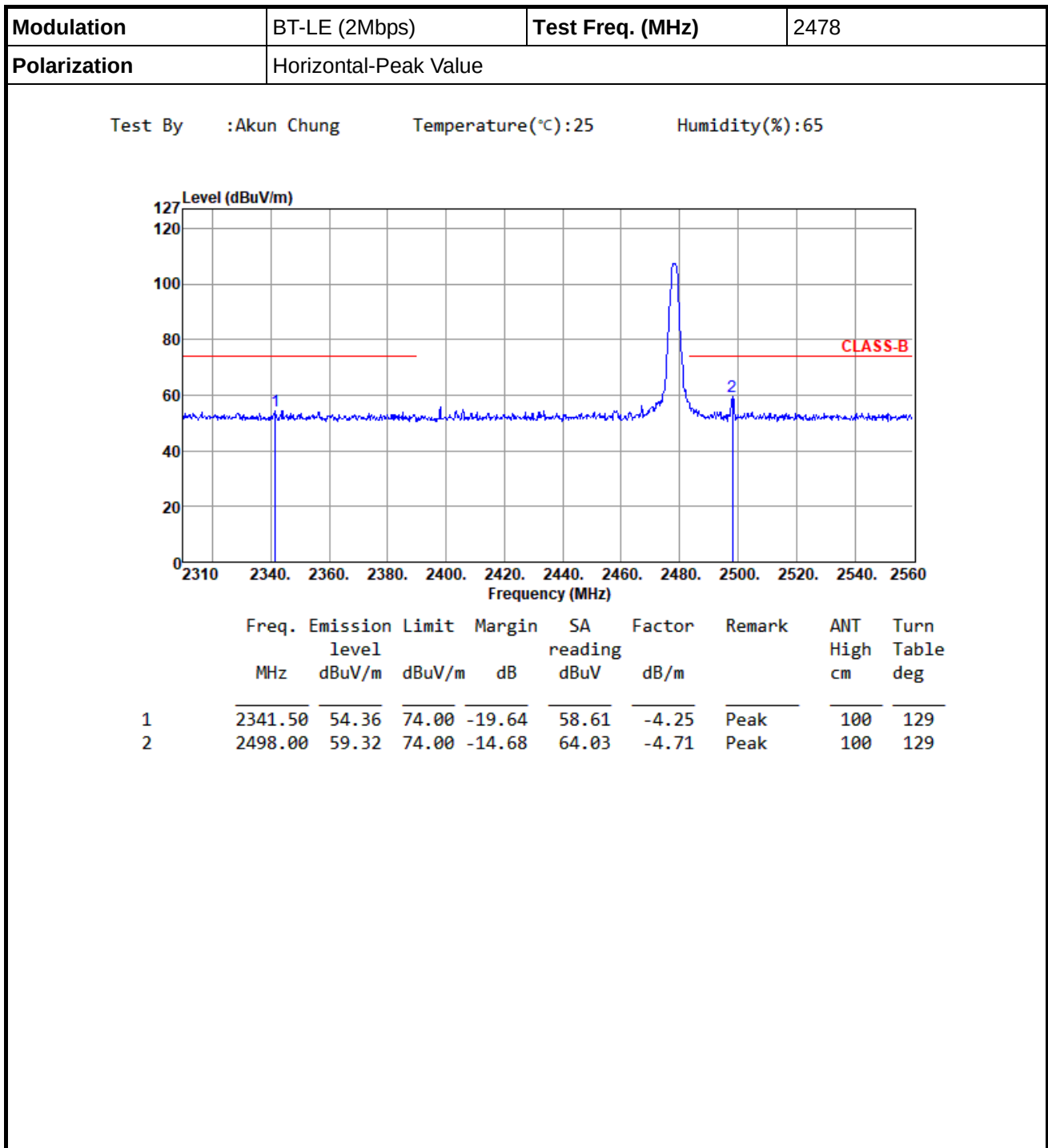


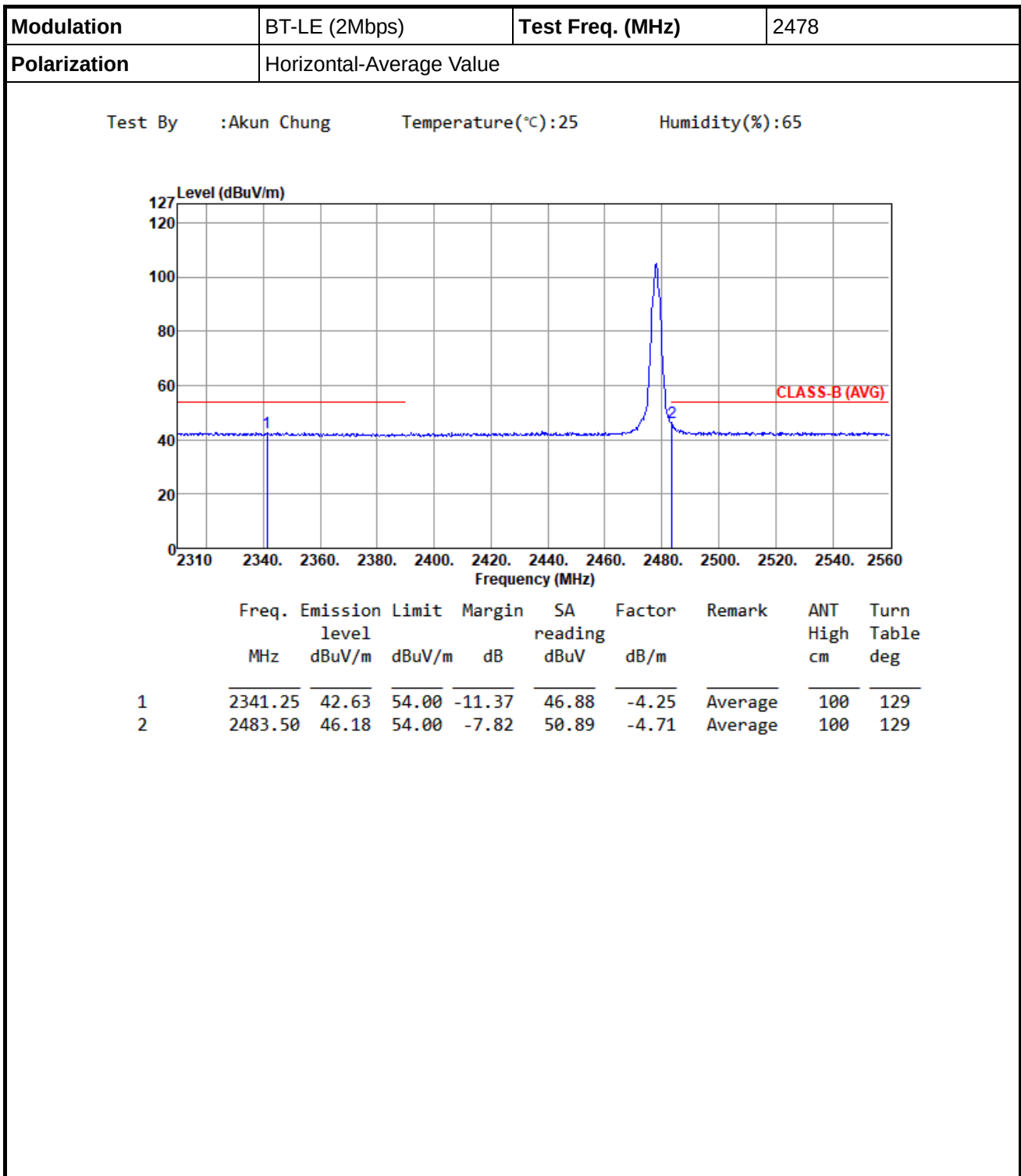


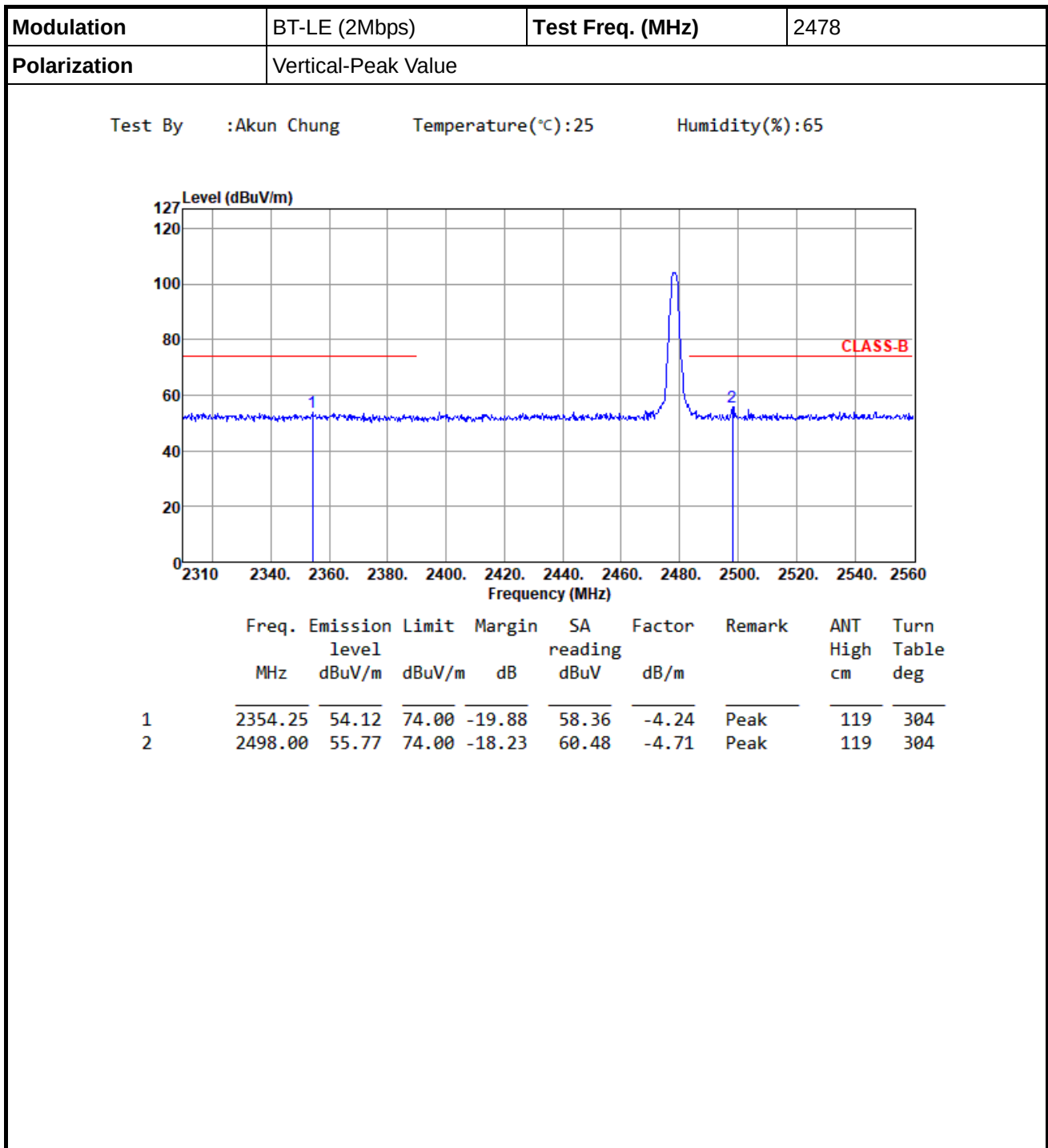


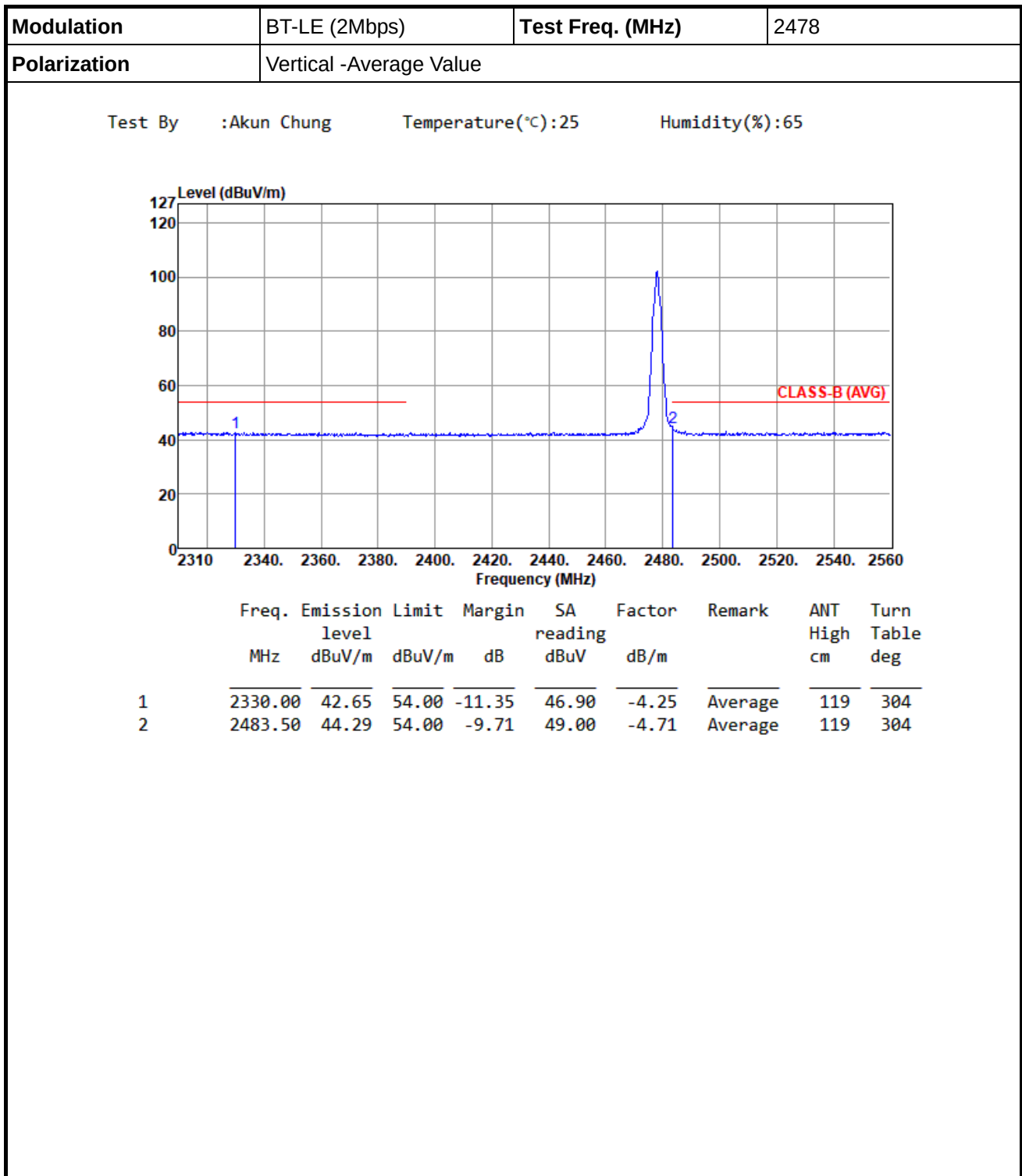








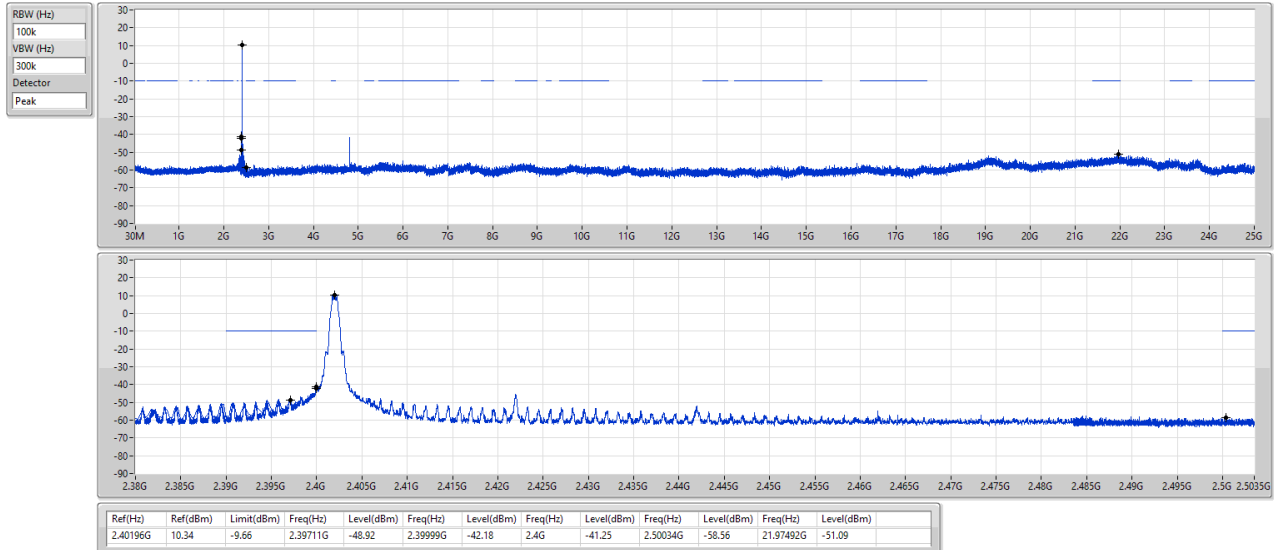




2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-FS

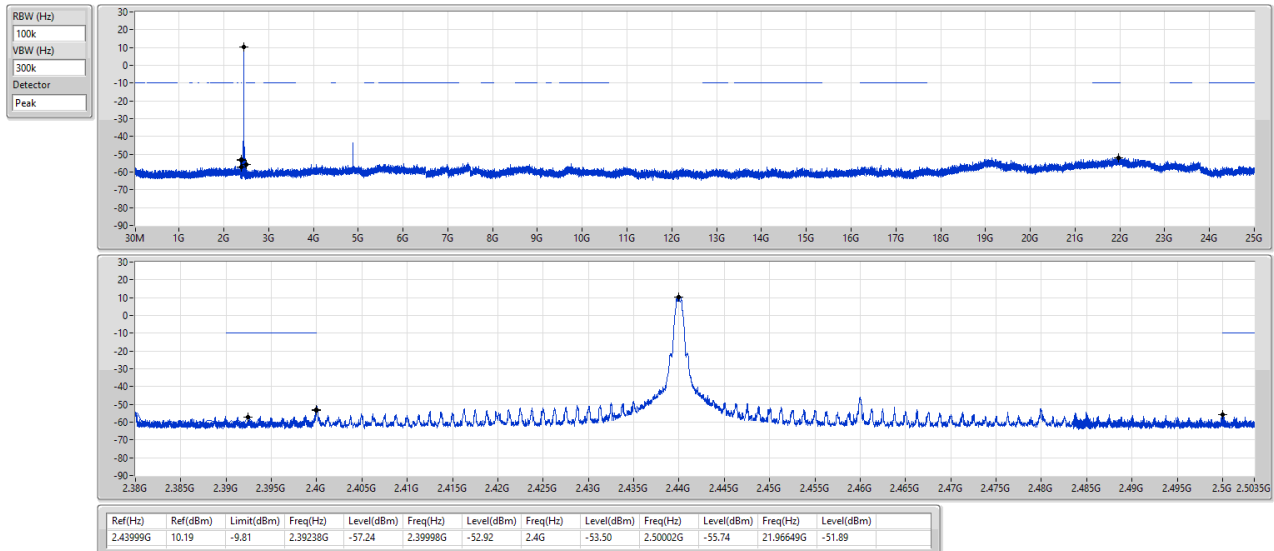
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-FS

2440MHz

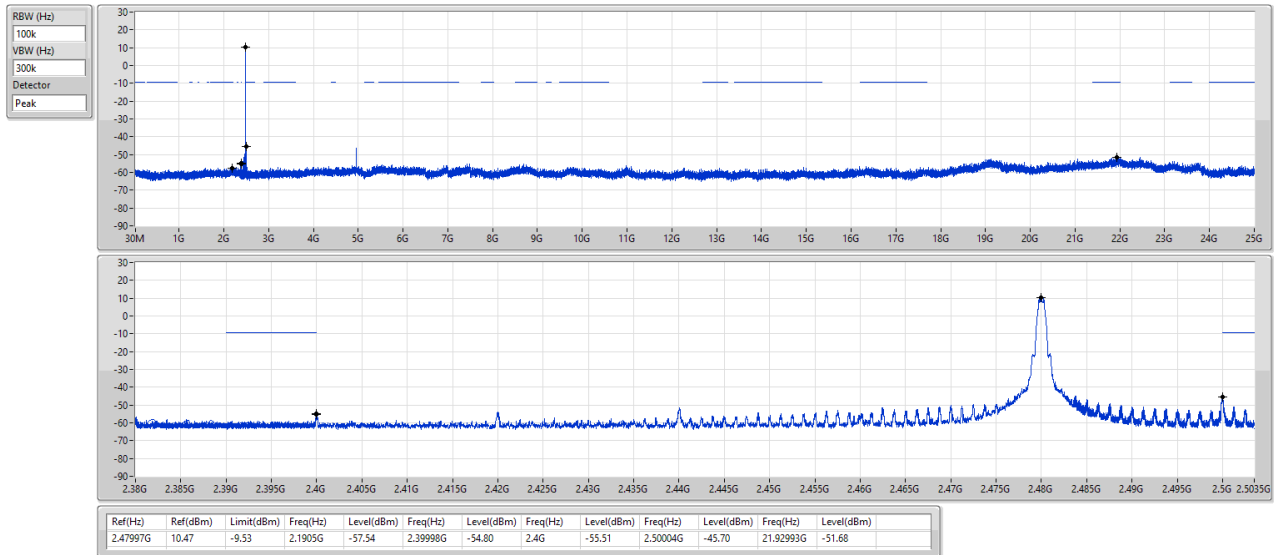




2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-FS

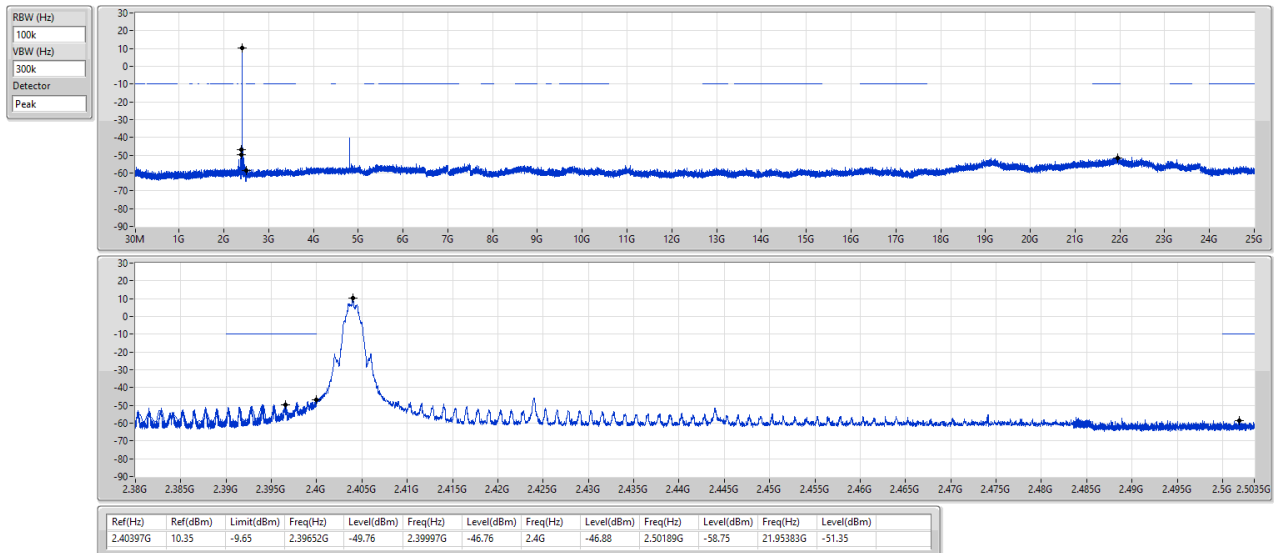
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-FS

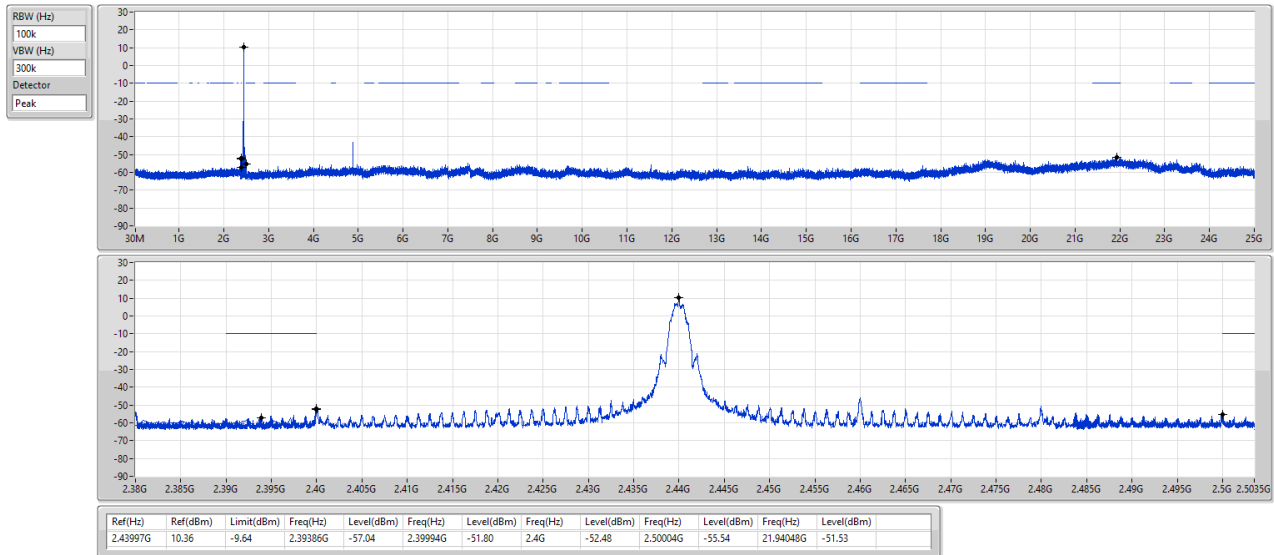
2404MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-FS

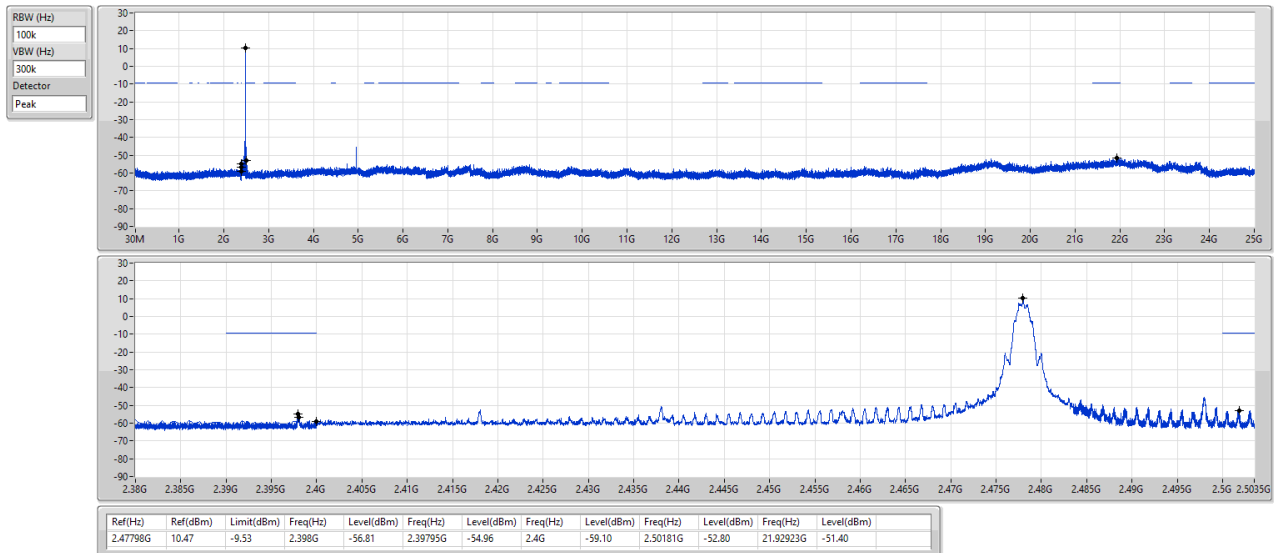
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-FS

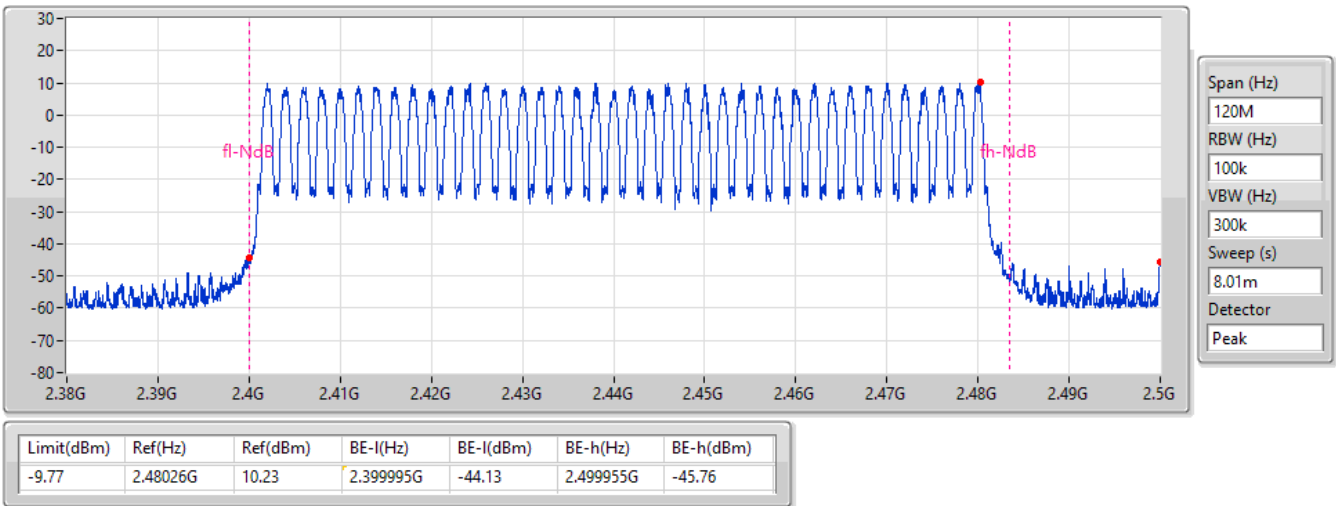
2478MHz



2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz

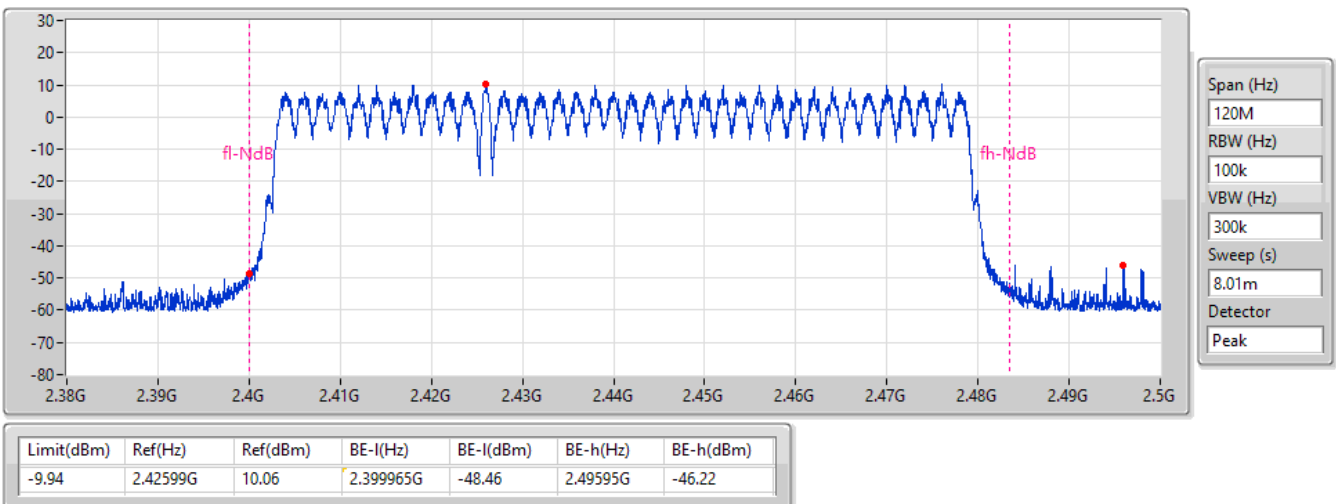
Hopping Ch Bandedge (Non-restricted Band)



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)



**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	10.79	0.01199
BT-LE(2Mbps)	10.73	0.01183

Result

Mode	Result	Antenna Gain (dBi)	Port 1 Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.54	10.61	21.00	13.15	27.00
2440MHz	Pass	2.54	10.68	21.00	13.22	27.00
2480MHz	Pass	2.54	10.73	21.00	13.27	27.00
BT-LE(2Mbps)	-	-	-	-	-	-
2404MHz	Pass	2.54	10.57	21.00	13.11	27.00
2440MHz	Pass	2.54	10.67	21.00	13.21	27.00
2478MHz	Pass	2.54	10.70	21.00	13.24	27.00

Mode	Result	Antenna Gain (dBi)	Port 2 Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.13	10.64	21.00	12.77	27.00
2440MHz	Pass	2.13	10.74	21.00	12.87	27.00
2480MHz	Pass	2.13	10.79	21.00	12.92	27.00
BT-LE(2Mbps)	-	-	-	-	-	-
2404MHz	Pass	2.13	10.59	21.00	12.72	27.00
2440MHz	Pass	2.13	10.72	21.00	12.85	27.00
2478MHz	Pass	2.13	10.73	21.00	12.86	27.00

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



Conducted Output Power(Average)

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	10.73	0.01183
BT-LE(2Mbps)	10.68	0.01169

Result

Mode	Result	Antenna Gain (dBi)	Port 1 Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.54	10.55	-	13.09	-
2440MHz	Pass	2.54	10.64	-	13.18	-
2480MHz	Pass	2.54	10.69	-	13.23	-
BT-LE(2Mbps)	-	-	-	-	-	-
2404MHz	Pass	2.54	10.52	-	13.06	-
2440MHz	Pass	2.54	10.63	-	13.17	-
2478MHz	Pass	2.54	10.65	-	13.19	-

Mode	Result	Antenna Gain (dBi)	Port 2 Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
BT-LE(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	2.13	10.59	-	12.72	-
2440MHz	Pass	2.13	10.69	-	12.82	-
2480MHz	Pass	2.13	10.73	-	12.86	-
BT-LE(2Mbps)	-	-	-	-	-	-
2404MHz	Pass	2.13	10.55	-	12.68	-
2440MHz	Pass	2.13	10.67	-	12.80	-
2478MHz	Pass	2.13	10.68	-	12.81	-

Note: Average power is for reference only

**Summary**

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-LE(1Mbps)	40
BT-LE(2Mbps)	38

Result

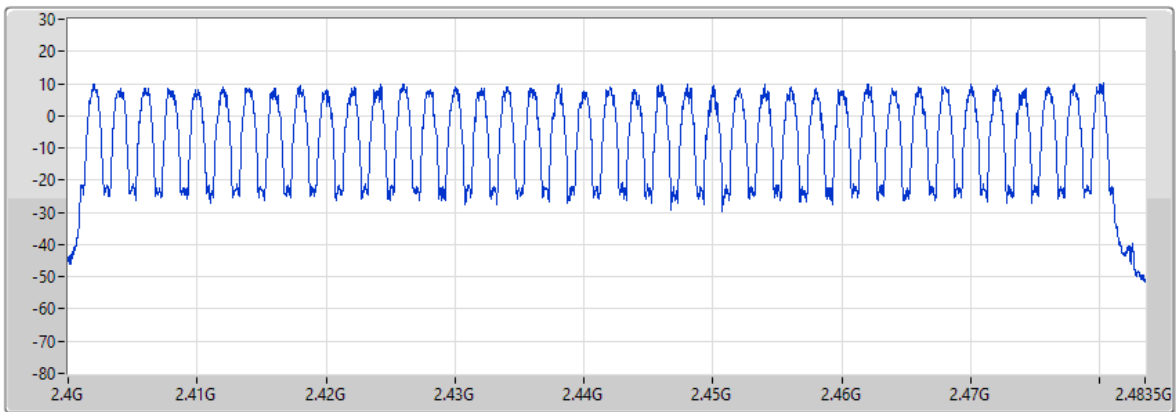
Mode	Result	Hopping No	Limit
BT-LE(1Mbps)	-	-	-
2440MHz	Pass	40	15
BT-LE(2Mbps)	-	-	-
2440MHz	Pass	38	15



2.4-2.4835GHz_BT-LE(1Mbps)

Hopping-FS

2440MHz



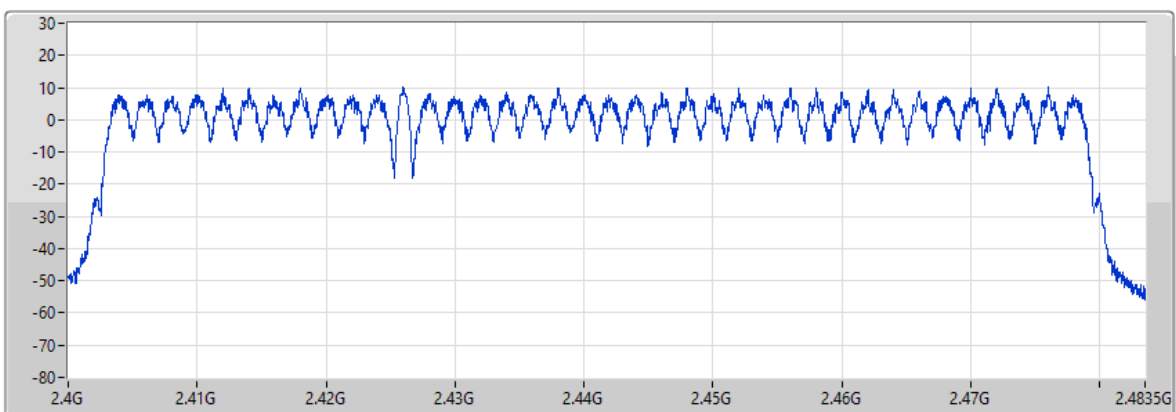
Hopping No	40
Span (Hz)	83.5M
RBW (Hz)	100k
VBW (Hz)	300kHz
Sweep (s)	8.01ms
Detector	Peak

Hopping No	Limit
40	15

2.4-2.4835GHz_BT-LE(2Mbps)

Hopping-FS

2440MHz



Hopping No	38
Span (Hz)	83.5M
RBW (Hz)	100k
VBW (Hz)	300kHz
Sweep (s)	8.01ms
Detector	Peak

Hopping No	Limit
38	15

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	1.122M	1.028M	1M03F1D	1.111M	1.021M
BT-LE(2Mbps)	2.173M	2.062M	2M06F1D	2.167M	2.053M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

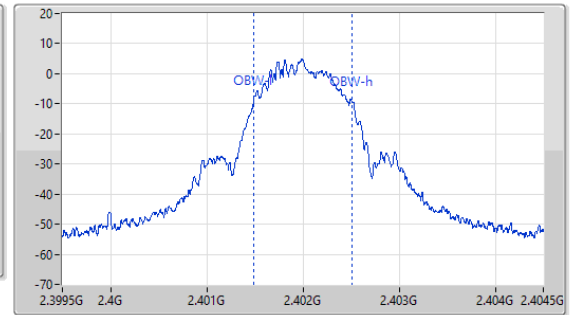
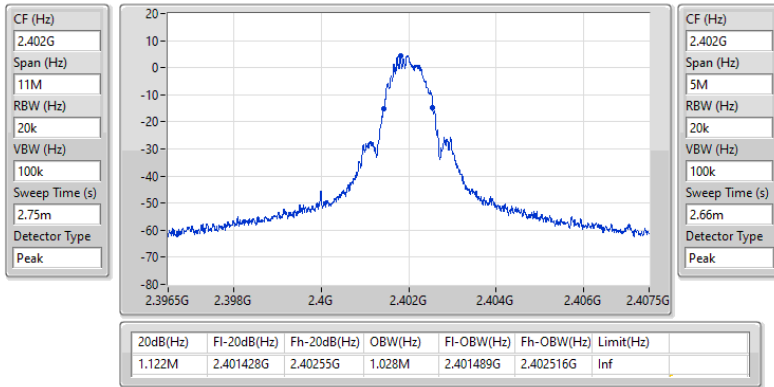
Mode	Result	Limit (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.122M	1.028M
2440MHz	Pass	Inf	1.111M	1.022M
2480MHz	Pass	Inf	1.122M	1.021M
BT-LE(2Mbps)	-	-	-	-
2404MHz	Pass	Inf	2.167M	2.053M
2440MHz	Pass	Inf	2.167M	2.055M
2478MHz	Pass	Inf	2.173M	2.062M

Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-FS

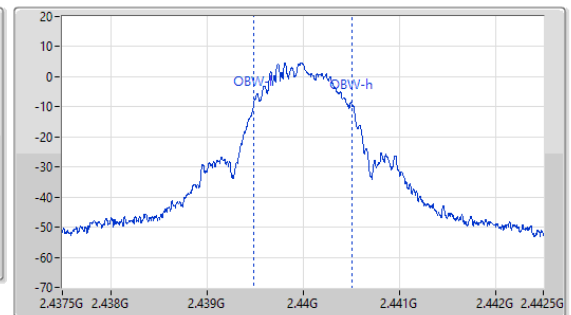
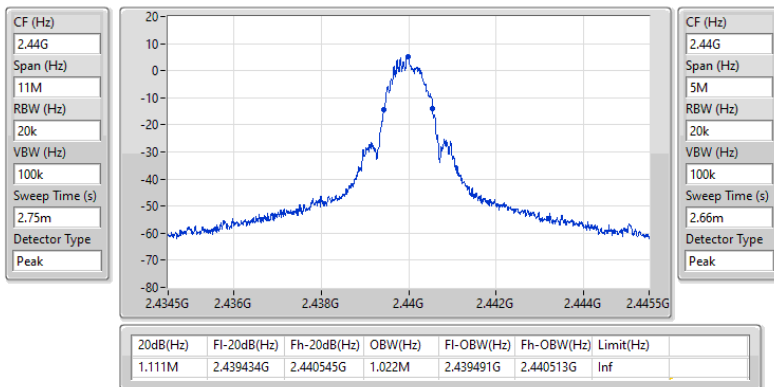
2402MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-FS

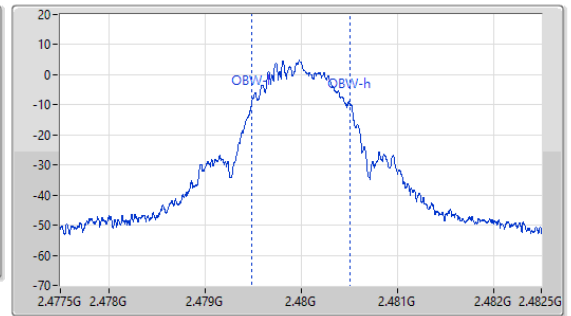
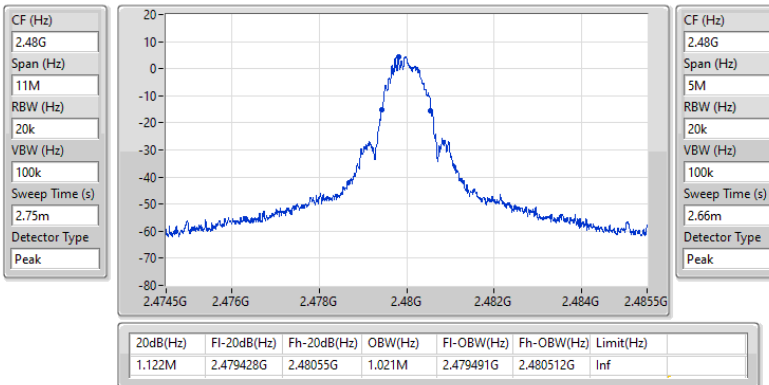
2440MHz



2.4-2.4835GHz_BT-LE(1Mbps)

EBW-FS

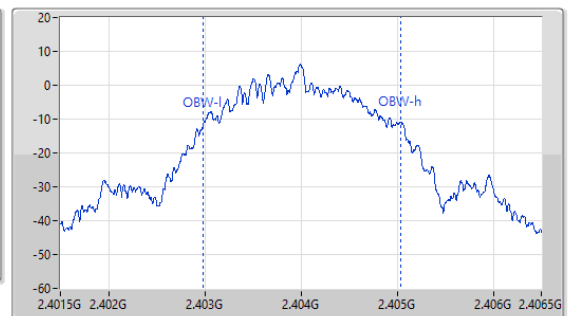
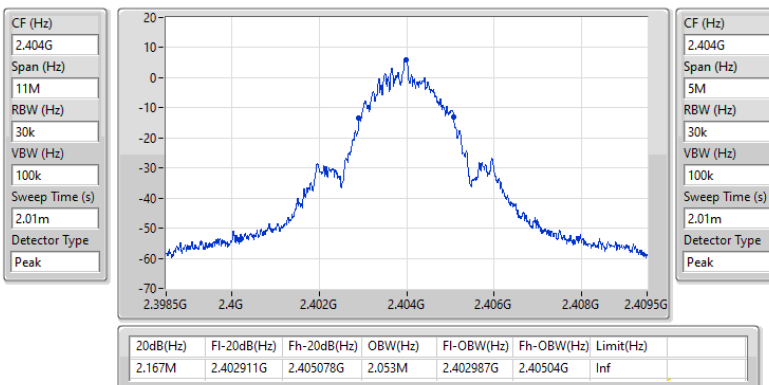
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-FS

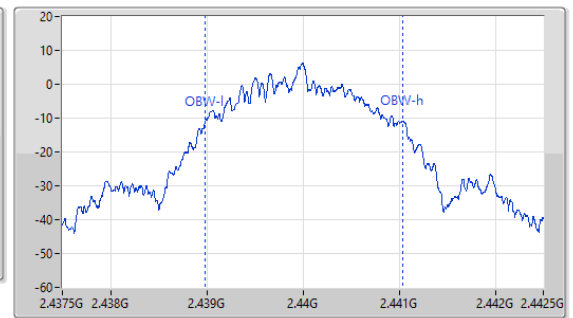
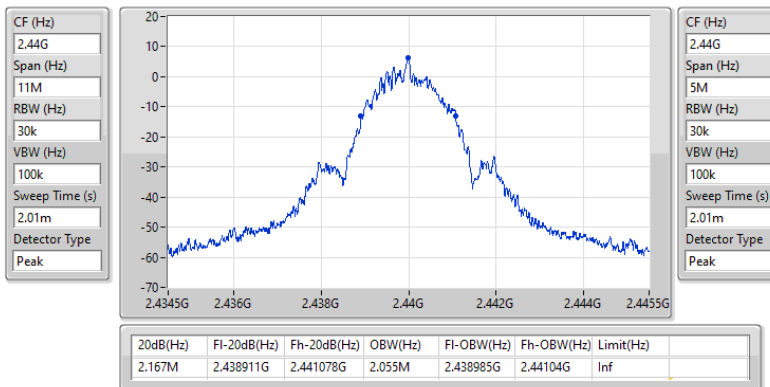
2404MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-FS

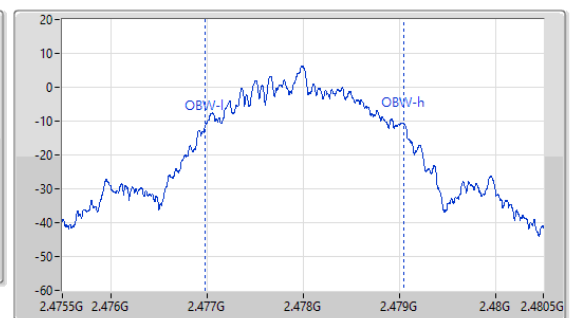
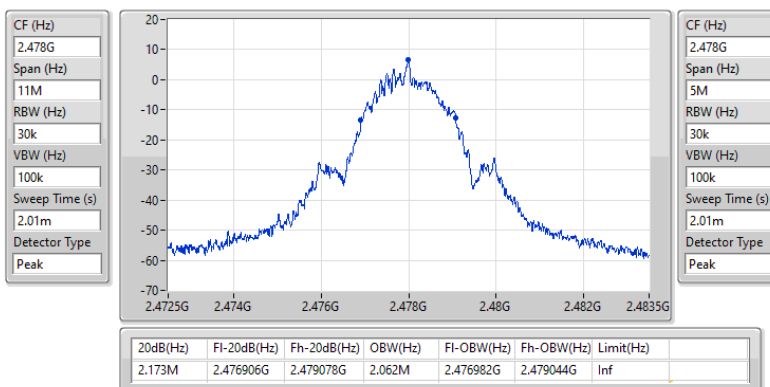
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

EBW-FS

2478MHz



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	2.004M	2.001M
BT-LE(2Mbps)	2.004M	2.001M

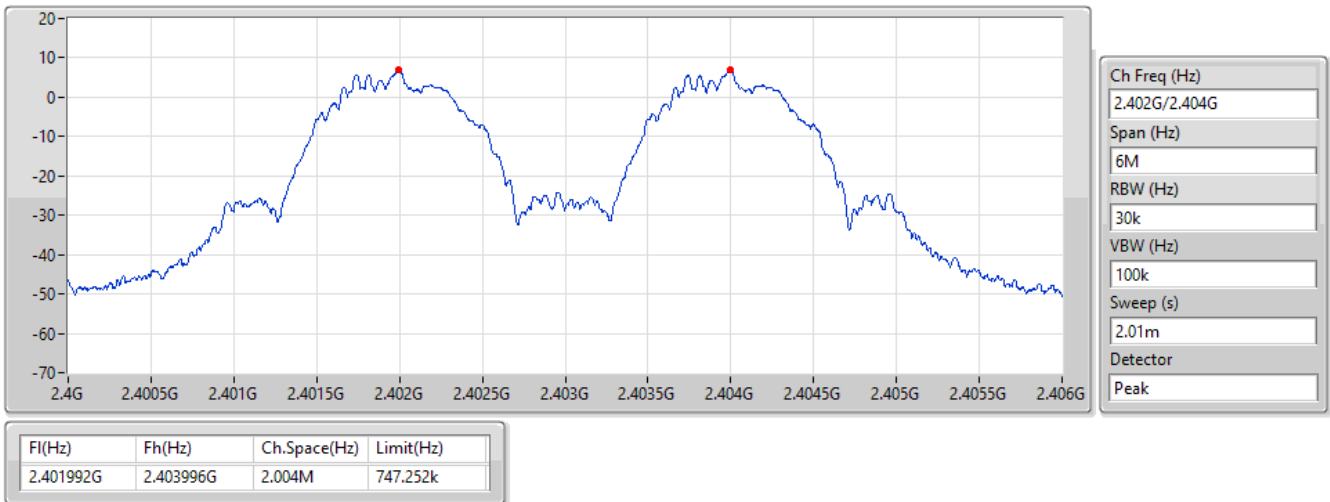
Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-LE(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401992G	2.403996G	2.004M	747.252k
2440MHz	Pass	2.439992G	2.441993G	2.001M	739.926k
2480MHz	Pass	2.477989G	2.47999G	2.001M	747.252k
BT-LE(2Mbps)	-	-	-	-	-
2404MHz	Pass	2.403992G	2.405993G	2.001M	1.443222M
2440MHz	Pass	2.439992G	2.441996G	2.004M	1.443222M
2478MHz	Pass	2.475989G	2.477993G	2.004M	1.447218M

2.4-2.4835GHz_BT-LE(1Mbps)

Channel Separation-FS

2.402G/2.404GHz



2.4-2.4835GHz_BT-LE(1Mbps)

Channel Separation-FS

2.44G/2.442GHz





2.4-2.4835GHz_BT-LE(1Mbps)

Channel Separation-FS

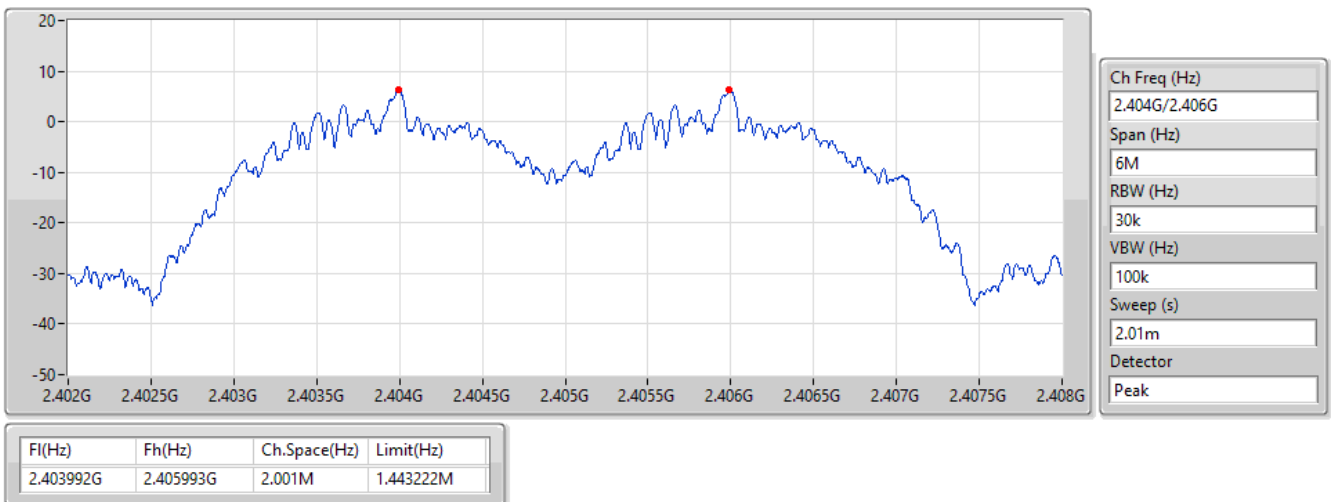
2.48G/2.478GHz



2.4-2.4835GHz_BT-LE(2Mbps)

Channel Separation-FS

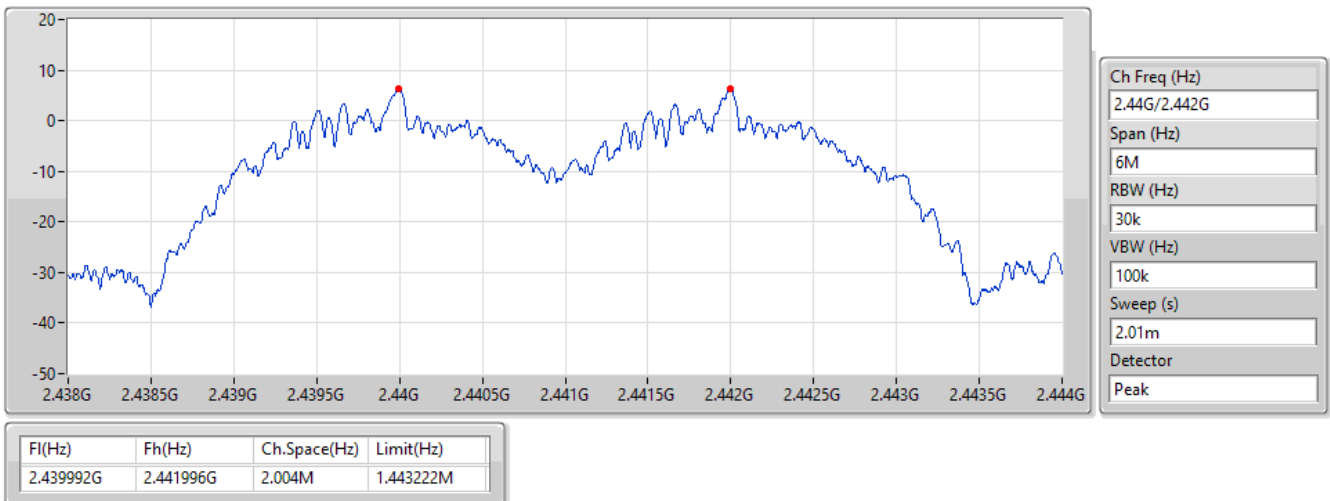
2.404G/2.406GHz



2.4-2.4835GHz_BT-LE(2Mbps)

Channel Separation-FS

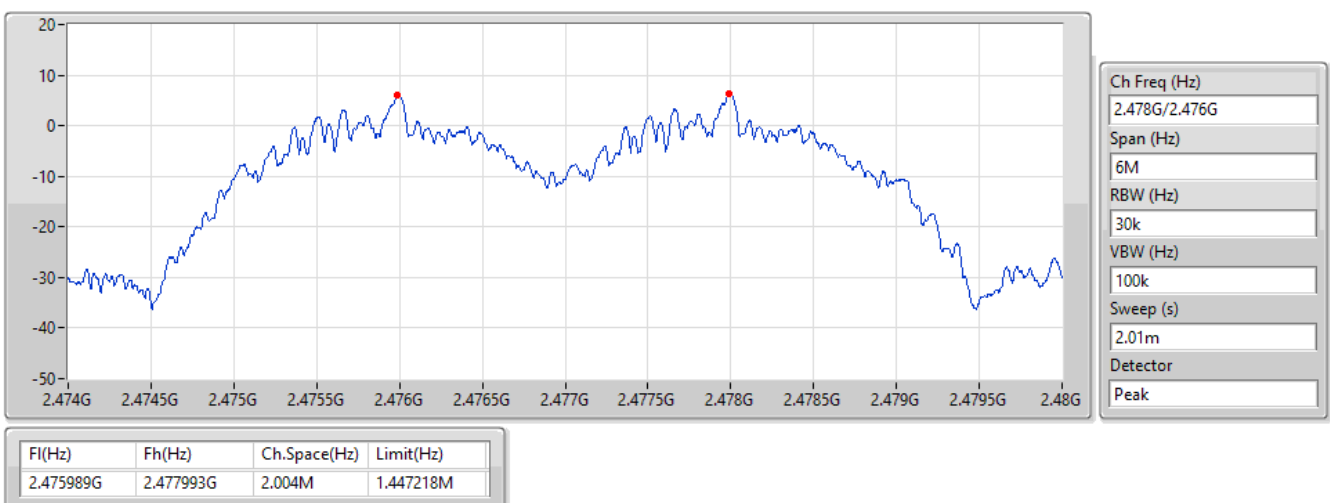
2.44G/2.442GHz



2.4-2.4835GHz_BT-LE(2Mbps)

Channel Separation-FS

2.478G/2.476GHz



Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	
BT-LE(1Mbps)	5.08m
BT-LE(1Mbps) -AFH	1.802m
BT-LE(2Mbps)	19.0905m
BT-LE(2Mbps) -AFH	1.39m

Result/ Non AFH mode

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmissions in Period
BT-LE(1Mbps)	-	-	-	-	-	-
2440MHz	PASS	16	0.00508	0.4	0.50800	10
BT-LE(2Mbps)	-	-	-	-	-	-
2440MHz	PASS	15.2	0.01909	0.4	0.86775	22

Note: Dwell time = Number of transmissions in period x Tx On time

Result/ AFH mode

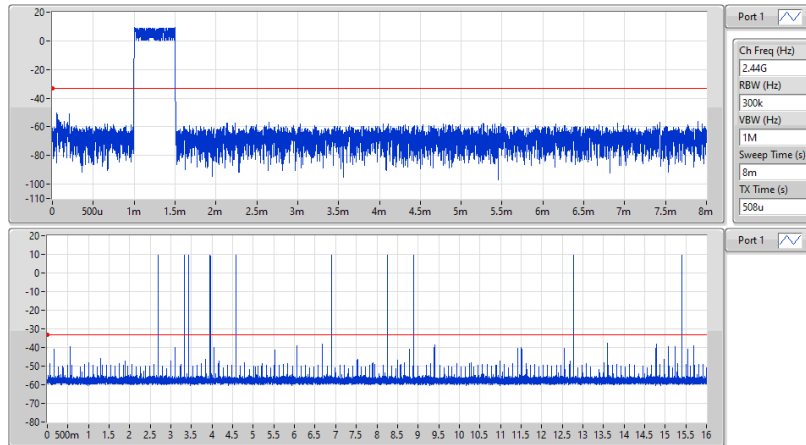
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (ms)	Number of transmissions in Period
BT-LE(1Mbps)-AFH	-	-	-	-	-	-
2450MHz_DH5	PASS	6	0.00180	0.4	0.10600	17
BT-LE(2Mbps)-AFH	-	-	-	-	-	-
2450MHz_DH5	PASS	6	0.00139	0.4	0.06950	20

Note: Dwell time = Number of transmissions in period x Tx On time

2.4-2.4835GHz_BT-LE(1Mbps)

Dwell-FS

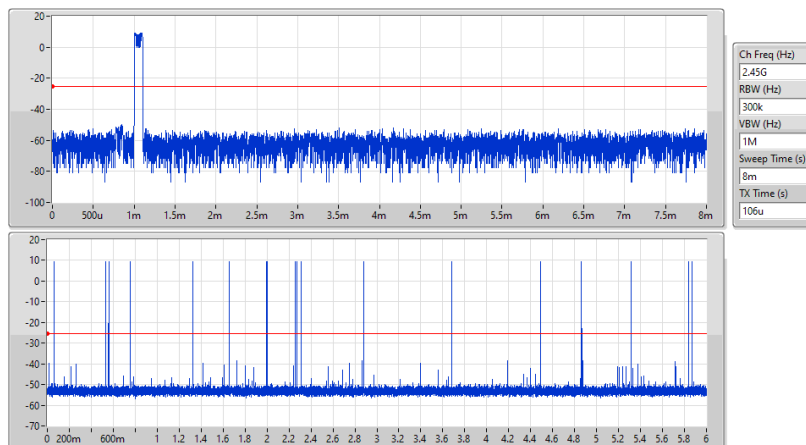
2440MHz



2.4-2.4835GHz_BT-LE(1Mbps)-AFH

Dwell-FS

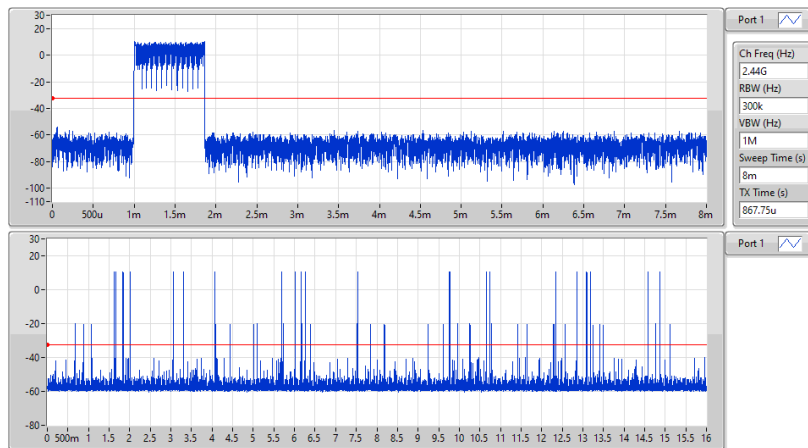
2450MHz



2.4-2.4835GHz_BT-LE(2Mbps)

Dwell-FS

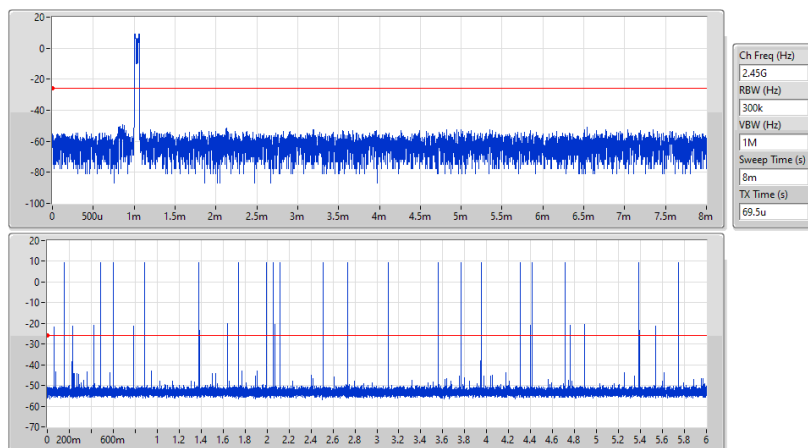
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)-AFH

Dwell-FS

2450MHz



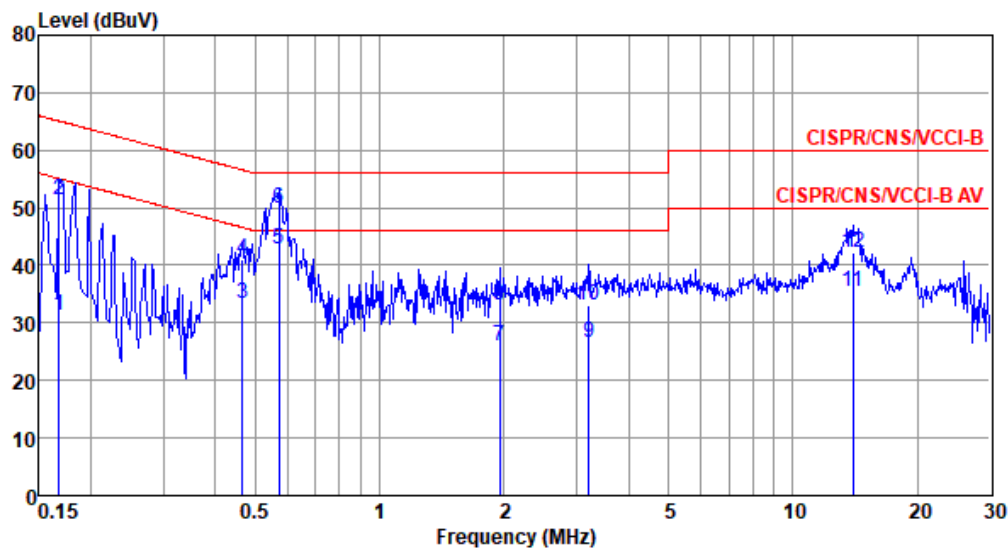


Modulation	BT-LE(1Mbps)	Test Freq. (MHz)	2440
Power Phase	Line		

Test by : Joe Liao

Temperature: 25°C

Humidity: 62%



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.168	31.34	55.08	-23.74	21.61	9.65	0.08	0.00	Average
2	0.168	51.36	65.08	-13.72	41.63	9.65	0.08	0.00	QP
3	0.466	33.47	46.58	-13.11	23.74	9.64	0.09	0.00	Average
4	0.466	41.12	56.58	-15.46	31.39	9.64	0.09	0.00	QP
5*	0.570	42.80	46.00	-3.20	33.07	9.64	0.09	0.00	Average
6	0.570	49.96	56.00	-6.04	40.23	9.64	0.09	0.00	QP
7	1.949	26.07	46.00	-19.93	16.25	9.65	0.17	0.00	Average
8	1.949	33.11	56.00	-22.89	23.29	9.65	0.17	0.00	QP
9	3.207	26.55	46.00	-19.45	16.69	9.66	0.20	0.00	Average
10	3.207	33.16	56.00	-22.84	23.30	9.66	0.20	0.00	QP
11	13.989	35.48	50.00	-14.52	25.36	9.71	0.41	0.00	Average
12	13.989	42.24	60.00	-17.76	32.12	9.71	0.41	0.00	QP

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

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

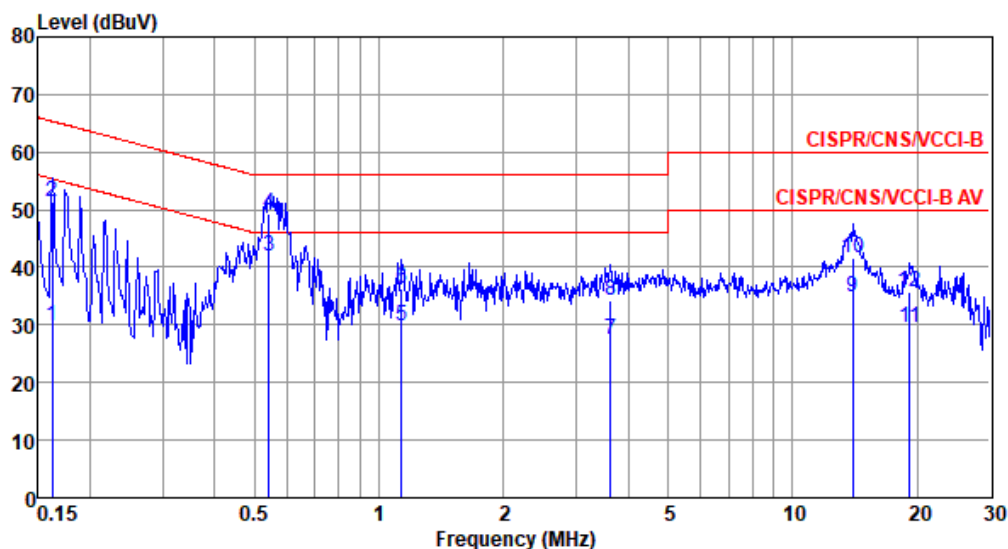


Modulation	BT-LE(1Mbps)	Test Freq. (MHz)	2440
Power Phase	Neutral		

Test by : Joe Liao

Temperature: 25°C

Humidity: 62%



	Freq	Level	Limit	Over	Read	Factor	Cable	Aux	
	MHz	dBuV	Line	Limit	Level	dB	loss	dB	Remark
			dBuV	dB	dBuV		dB		
1	0.162	29.81	55.34	-25.53	20.09	9.64	0.08	0.00	Average
2	0.162	51.42	65.34	-13.92	41.70	9.64	0.08	0.00	QP
3*	0.541	41.97	46.00	-4.03	32.25	9.63	0.09	0.00	Average
4	0.541	49.28	56.00	-6.72	39.56	9.63	0.09	0.00	QP
5	1.135	29.92	46.00	-16.08	20.17	9.64	0.11	0.00	Average
6	1.135	36.29	56.00	-19.71	26.54	9.64	0.11	0.00	QP
7	3.623	27.48	46.00	-18.52	17.61	9.66	0.21	0.00	Average
8	3.623	34.10	56.00	-21.90	24.23	9.66	0.21	0.00	QP
9	13.989	34.97	50.00	-15.03	24.81	9.75	0.41	0.00	Average
10	13.989	41.75	60.00	-18.25	31.59	9.75	0.41	0.00	QP
11	19.224	29.43	50.00	-20.57	19.09	9.79	0.55	0.00	Average
12	19.224	35.65	60.00	-24.35	25.31	9.79	0.55	0.00	QP

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

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