

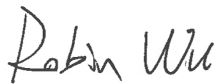


EMC MEASUREMENT REPORT

Applicant: ALE USA Inc.
Address: 2000 Corporate Center Drive
Thousand Oaks, CA 91320
Product: OmniAccess Stellar
Model No.: OAW-AP1501
Brand Name: Alcatel-Lucent Enterprise
FCC Rule Part(s): FCC Part 15 Subpart B
ISED Rule(s): ICES-003 Issue 7 (October 15, 2020)
RSS-Gen Issue 5
Test Procedure: ANSI C63.4-2014
Result: Complies
Received Date: 2025-09-29
Test Date: 2025-10-15 ~ 2025-11-24

Reviewed By: 

Vincent Yu

Approved By: 

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1071098-U101	V01	Draft Report	2025-11-18	Invalid
R25S1071098-U101	V02	Change EUT & PoE Injector to retest RE 30MHz ~ 1GHz of Mode 2 to demonstrate that the margin is greater than 3 dB.	2025-11-26	Invalid
R25S1071098-U101	V01	Initial Report	2025-12-03	Invalid
R25S1071098-U101	V02	Delete photos in Appendix A, B	2025-12-17	Valid

CONTENTS

Description	Page
1. General Information	4
1.1. Applicant.....	4
1.2. Manufacturer	4
1.3. Testing Facility	4
1.4. Product Information	5
2. Test Configuration	6
2.1. Test Mode	6
2.2. Configuration of Tested System.....	6
2.3. EMI Suppression Device(s)/Modifications	7
3. Measuring Instrument	8
4. Decision Rules and Measurement Uncertainty.....	9
4.1. Decision Rules	9
4.2. Measurement Uncertainty	9
5. Test Result	10
5.1. Summary	10
5.2. Conducted Emission	11
5.2.1. Test Limit	11
5.2.2. Test Setup	11
5.2.3. Test Result.....	12
5.3. Radiated Emission	32
5.3.1. Test Limit	32
5.3.2. Test Setup	32
5.3.3. Test Result.....	34
Appendix A - Test Setup Photograph	64
Appendix B - EUT Photograph	65

1. General Information

1.1. Applicant

ALE USA Inc.
2000 Corporate Center Drive
Thousand Oaks, CA 91320

1.2. Manufacturer

ALE USA Inc.
2000 Corporate Center Drive
Thousand Oaks, CA 91320

1.3. Testing Facility

☒	Test Site - MRT Suzhou Laboratory	
	Laboratory Location (Suzhou - Wuzhong)	
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
	Laboratory Location (Suzhou - SIP)	
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
	Laboratory Location (Suzhou - Wujiang)	
	Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
☐	Laboratory Accreditations	
	A2LA: 3628.01	CNAS: L10551
	FCC: CN1166	ISED: CN0001
	Test Site - MRT Shenzhen Laboratory	
	Laboratory Location (Shenzhen)	
☐	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China	
	Laboratory Accreditations	
	A2LA: 3628.02	CNAS: L10551
	FCC: CN1284	ISED: CN0105
	Test Site - MRT Taiwan Laboratory	
☐	Laboratory Location (Taiwan)	
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
	Laboratory Accreditations	
	TAF: 3261	
	FCC: 291082, TW3261	ISED: TW3261

1.4. Product Information

Product Name	OmniAccess Stellar
Model No.	OAW-AP1501
EUT Identification No.	20250929Sample#01 & 20250929Sample#04 & 20251110Sample#02
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Operating Temp.	0 ~ 50 °C
Power Type	AC/DC Adapter or PoE Injector
Accessory(ies)	
AC/DC Adapter	Model: ADP-50GR B Input: 100-240 V ~ 1.3 A, 50/60 Hz Output: 48 VDC, 1.042 A, 50.1 W
PoE Injector	Model: POE60U-1BT-X (ALE P/N: POE60U-1BT-X-R) Input: 100-240 V ~ 1.5 A, 50/60 Hz, 98-104 VA Output: 56 VDC, 0.535 A, 30.0 W
Notes: - The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer. - AC/DC Adapter and PoE Injector are not marketed in conjunction with the device.	

2. Test Configuration

2.1. Test Mode

Mode 1: Adapter power supply + Ping 2.5G Rate Network Port + USB writing + 2.4G Wi-Fi connected + 5G Wi-Fi connected+6G Wi-Fi connected

Mode 2: PoE power supply + Ping 2.5G Rate Network Port + USB reading + 2.4G Wi-Fi connected + 5G Wi-Fi connected + 6G Wi-Fi connected

Mode 3: Receive by 802.11n-HT40 at 2422 MHz

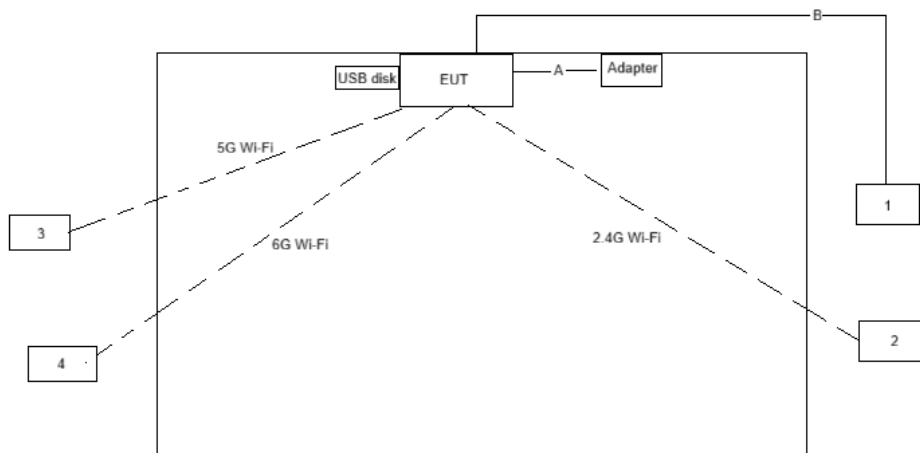
Mode 4: Receive by 802.11ac-VHT40 at 5710 MHz

Mode 5: Receive by 802.11be-EHT320-1 at 6745 MHz

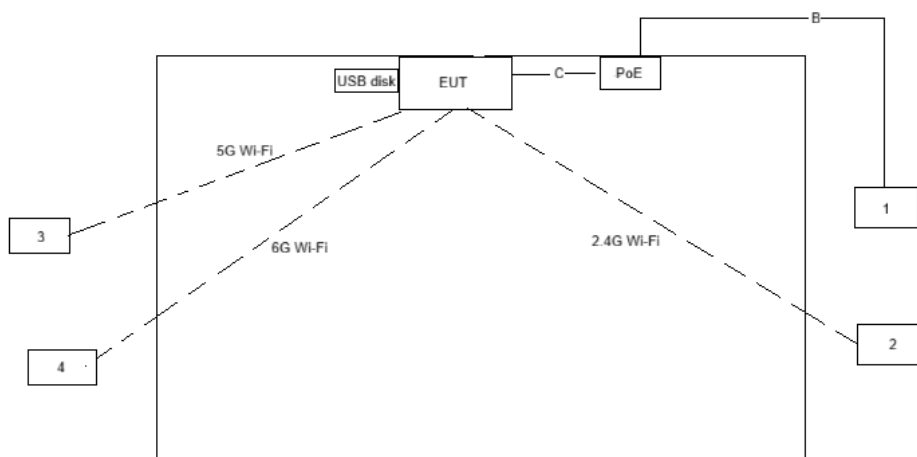
2.2. Configuration of Tested System

The measurement procedures and appropriate EUT setup described in the ANSI C63.4-2014 was used in the measurement.

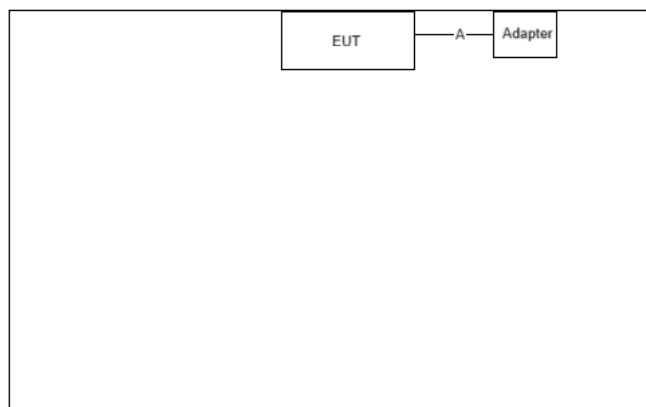
Mode 1



Mode 2



Mode 3 ~ 5



No.	Cable Type	Cable Spec.	Length
A	Power Cable	Non-Shielding	1.4m
B	LAN Cable	Non-Shielding	>10.0m
C	LAN Cable	Non-Shielding	>10.0m
No.	Product	Manufacturer	Model No.
1	PC	Lenovo	ThinkBook
2	PC	ASUS	1405V
3	Phone	IQOO	Neo8
4	PC	Dell	Latitude 5440

2.3. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

3. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE11315	1 year	2026-06-16	WJ-AC2
Anechoic Chamber	TDK	WJ-AC2	MRTSUE07117	1 year	2026-05-12	WJ-AC2
TRILOG Broad Band Antenna	Schwarzbeck	VULB 9163	MRTSUE07097	1 year	2026-04-20	WJ-AC2
EMI Test Receiver	R&S	ESR3	MRTSUE07112	1 year	2026-04-19	WJ-AC2
Horn Antenna	RFSPIN	DRH18-E	MRTSUE07105	1 year	2026-05-12	WJ-AC2
Pre-Amplifier	EMCI	EMC118A45SEE	MRTSUE07102	1 year	2026-04-09	WJ-AC2
Signal Analyzer	Keysight	N9010B	MRTSUE07285	1 year	2026-02-18	WJ-AC2
Broadband Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE07100	1 year	2026-04-09	WJ-AC2
Pre-Amplifier	EMCI	EMC184045SEE	MRTSUE07103	1 year	2026-04-09	WJ-AC2
Thermohygrometer	R&S	608-H1	MRTSUE11317	1 year	2026-06-05	WJ-SR5
EMI Test Receiver	R&S	ESR3	MRTSUE07110	1 year	2026-04-19	WJ-SR5
Two-Line V-Network	R&S	ENV216	MRTSUE07202	1 year	2026-05-26	WJ-SR5

Software	Version	Function
e3	230711	RE
ELEKTRA	5.20.1	CE
CONTROLLER CO3000	1.03.02	RE Antenna & Turntable

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9 kHz ~ 150 kHz: 3.58 dB 150 kHz ~ 30 MHz: 3.20 dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Horizontal: 30 MHz ~ 200 MHz: 3.47 dB 200 MHz ~ 1 GHz: 4.17 dB 1 GHz ~ 40 GHz: 4.97 dB Vertical: 30 MHz ~ 200 MHz: 4.07 dB 200 MHz ~ 1 GHz: 5.28 dB 1 GHz ~ 40 GHz: 4.84 dB

5. Test Result

5.1. Summary

FCC Part Section(s)	ISED Section(s)	Test Description	Result
15.107	ICES-003 - 3.2.1 RSS-Gen - 7.2	Conducted Emission	Pass
15.109	ICES-003 - 3.2.2 RSS-Gen - 7.3	Radiated Emission	Pass

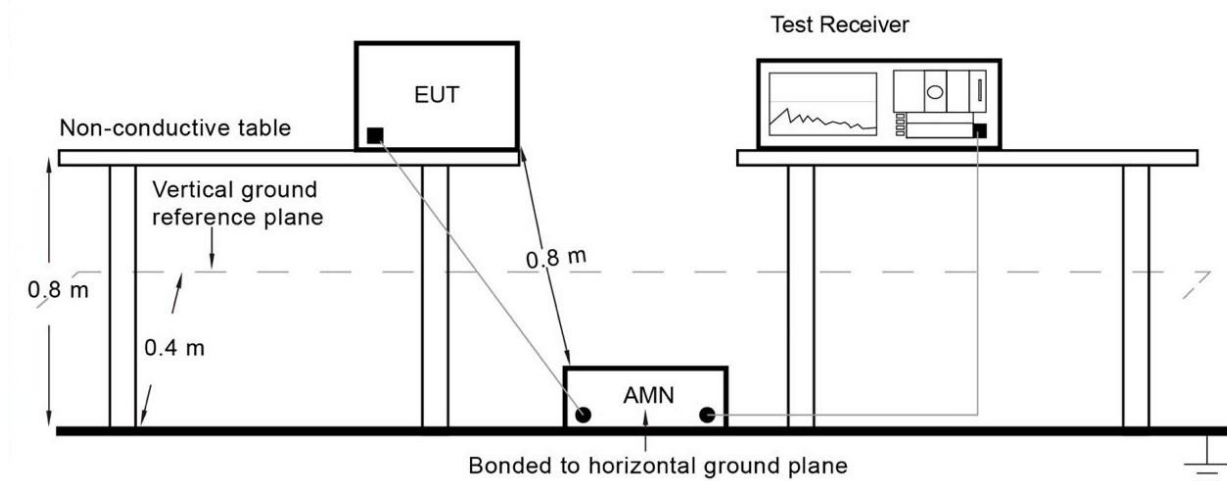
5.2. Conducted Emission

5.2.1. Test Limit

FCC Part 15.107 / ICES-003 Conducted Emission Limits				
Frequency Range (MHz)	Class A Limits		Class B Limits	
	QP dB(μ V)	AV dB(μ V)	QP dB(μ V)	AV dB(μ V)
0.15 ~ 0.5	79	66	66 to 56	56 to 46
0.5 ~ 5	73	60	56	46
5 ~ 30	73	60	60	50

RSS-Gen Receiver Conducted Emission Limits		
Frequency Range (MHz)	QP dB(μ V)	AV dB(μ V)
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

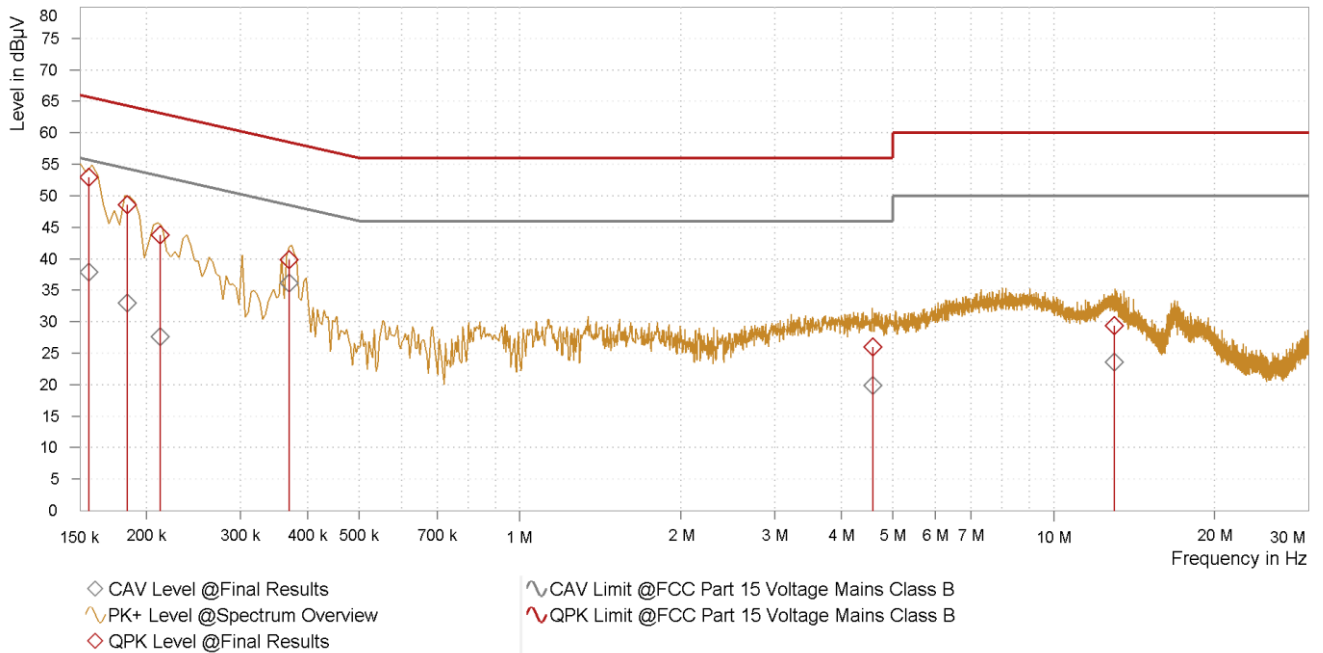
5.2.2. Test Setup



5.2.3. Test Result

Model No. OAW-AP1501
Note Mode 1
Test Voltage AC 120V/60Hz
Test Engineer Carl Jiang
Test Date 2025-10-16
Temp 26.7°C
Humi 50.9%
Polarity L
Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	QPK Raw Lvl [dBµV]	CAV Level [dBµV]	CAV Limit [dBµV]	CAV Margin [dB]	CAV Raw Lvl [dBµV]	Correction [dB]	Line
0.156	52.89	65.67	12.79	43.15	37.90	55.67	17.77	28.17	9.73	L1
0.184	48.52	64.30	15.78	38.77	32.93	54.30	21.38	23.18	9.75	L1
0.212	43.81	63.13	19.32	34.05	27.59	53.13	25.54	17.83	9.76	L1
0.370	39.82	58.50	18.68	30.05	36.11	48.50	12.39	26.34	9.77	L1
4.588	26.02	56.00	29.98	15.87	19.83	46.00	26.17	9.68	10.16	L1

12.980	29.39	60.00	30.61	19.06	23.58	50.00	26.42	13.25	10.33	L1
--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	----

Notes

- 1. QPK Level [dBμV]=QPK Raw Lvl [dBμV] + Correction [dB]
- 2. CAV Level [dBμV]=CAV Raw Lvl [dBμV] + Correction [dB]
- 3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 1

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-10-16

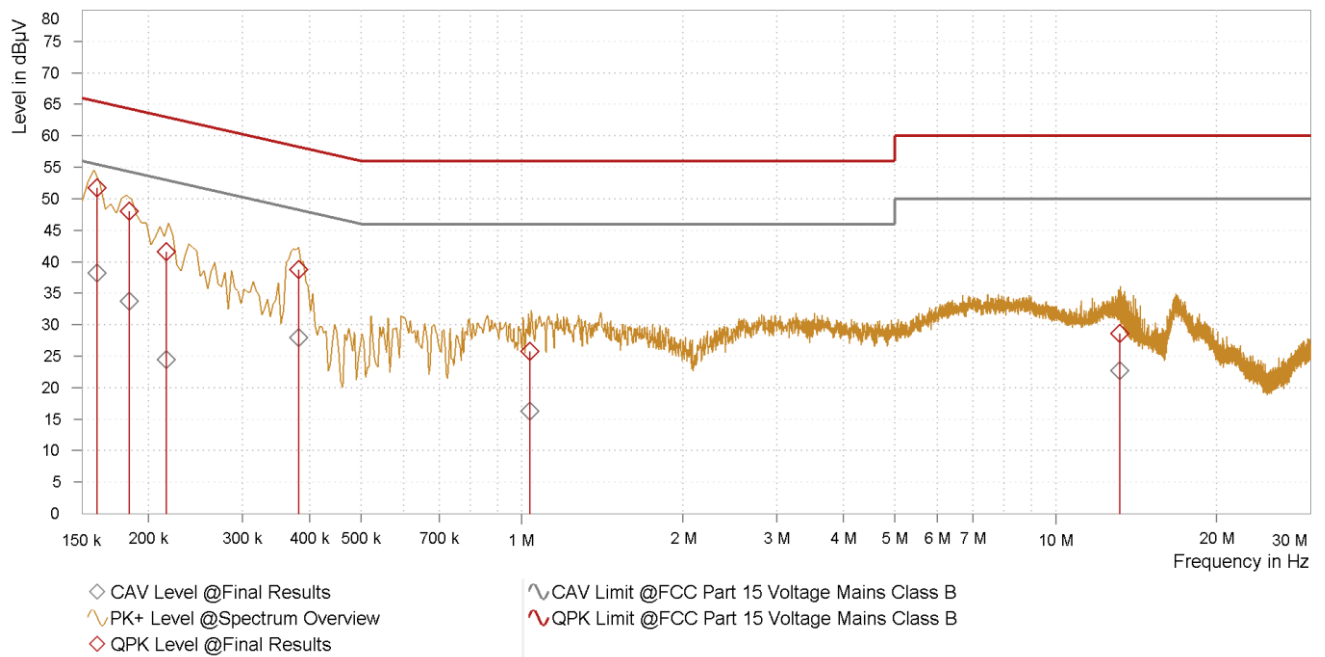
Temp 26.7°C

Humi 50.9%

Polarity N

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.160	51.73	65.46	13.73	42.05	38.24	55.46	17.22	28.56	9.68	N
0.184	48.01	64.30	16.29	38.31	33.69	54.30	20.61	23.99	9.70	N
0.216	41.64	62.97	21.34	31.92	24.49	52.97	28.49	14.77	9.72	N
0.382	38.78	58.24	19.46	29.01	27.89	48.24	20.34	18.12	9.77	N
1.036	25.78	56.00	30.22	15.69	16.25	46.00	29.75	6.16	10.09	N
13.162	28.60	60.00	31.40	18.21	22.69	50.00	27.31	12.30	10.39	N

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 2

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-10-16

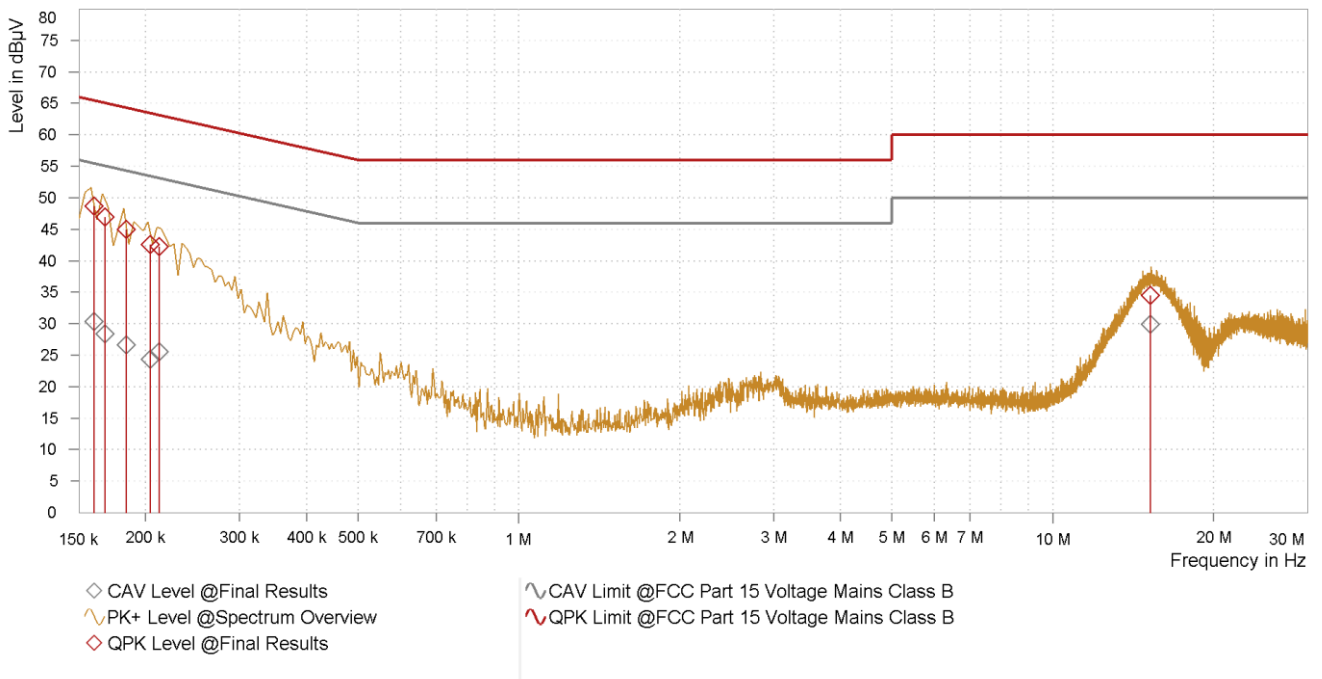
Temp 26.7°C

Humi 50.9%

Polarity L

Test Site WJ-SR5

Spectrum Overview



Final Results

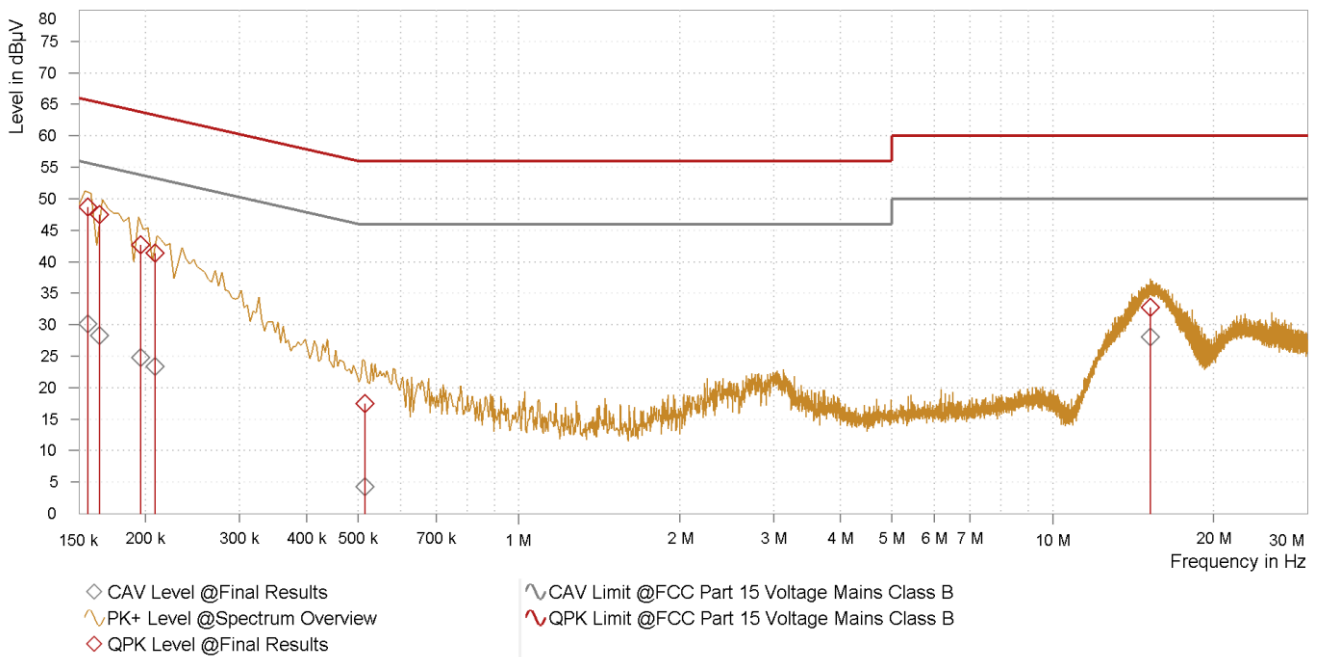
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.160	48.65	65.46	16.81	38.92	30.34	55.46	25.13	20.60	9.73	L1
0.168	46.93	65.06	18.13	37.19	28.41	55.06	26.65	18.67	9.74	L1
0.184	44.93	64.30	19.38	35.18	26.61	54.30	27.69	16.87	9.75	L1
0.204	42.52	63.45	20.92	32.77	24.29	53.45	29.16	14.53	9.76	L1
0.212	42.23	63.13	20.89	32.48	25.55	53.13	27.58	15.80	9.76	L1
15.233	34.50	60.00	25.50	24.13	29.86	50.00	20.14	19.49	10.37	L1

Notes

1. QPK Level [dBμV]=QPK Raw Lvl [dBμV] + Correction [dB]
2. CAV Level [dBμV]=CAV Raw Lvl [dBμV] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501
Note Mode 2
Test Voltage AC 120V/60Hz
Test Engineer Carl Jiang
Test Date 2025-10-16
Temp 26.7°C
Humi 50.9%
Polarity N
Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	48.64	65.67	17.04	38.96	30.16	55.67	25.51	20.49	9.68	N
0.164	47.45	65.26	17.81	37.76	28.25	55.26	27.01	18.57	9.68	N
0.196	42.71	63.78	21.07	33.00	24.83	53.78	28.95	15.12	9.71	N
0.208	41.40	63.28	21.88	31.68	23.35	53.28	29.94	13.63	9.72	N
0.515	17.50	56.00	38.50	7.67	4.29	46.00	41.71	-5.54	9.83	N
15.245	32.75	60.00	27.25	22.31	28.05	50.00	21.95	17.61	10.44	N

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 3

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

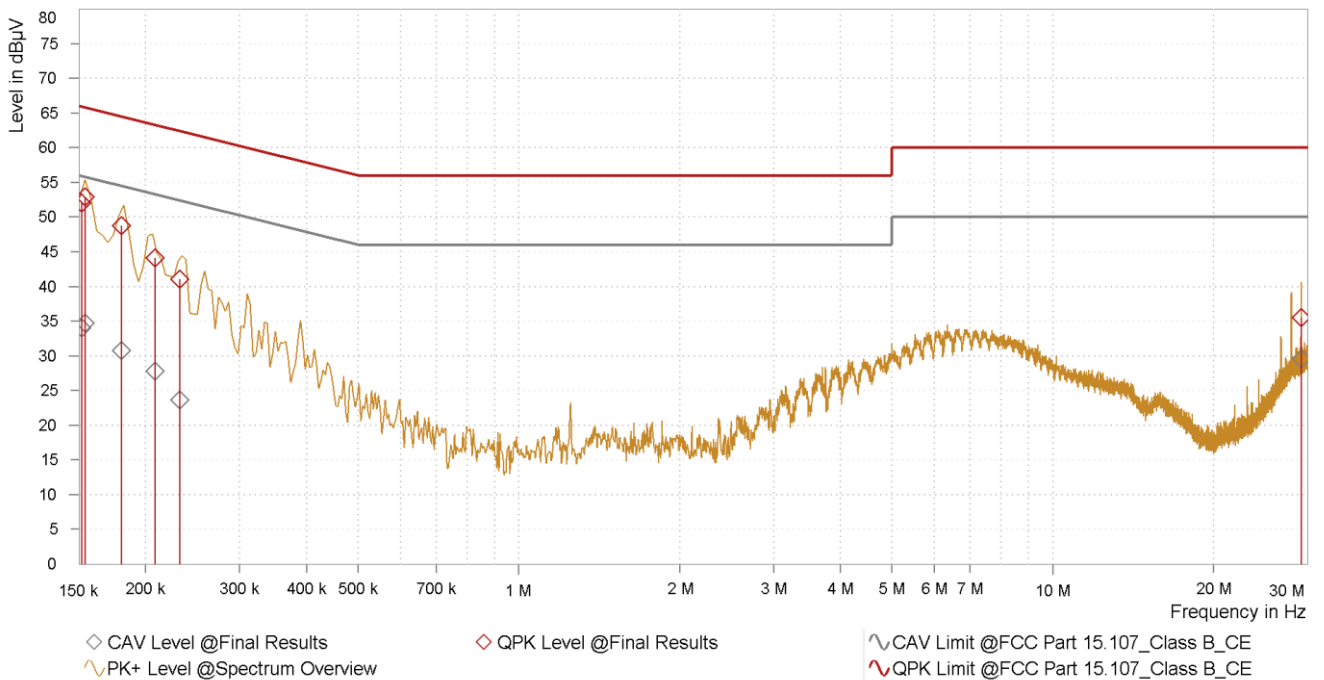
Temp 19.6°C

Humi 59.1%

Polarity L

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.152	52.05	65.89	13.84	42.32	33.98	55.89	21.91	24.25	9.73	L1
0.154	52.87	65.78	12.91	43.14	34.66	55.78	21.12	24.93	9.73	L1
0.180	48.71	64.49	15.78	38.96	30.79	54.49	23.70	21.04	9.75	L1
0.208	44.08	63.28	19.21	34.32	27.78	53.28	25.50	18.03	9.76	L1
0.232	41.02	62.38	21.36	31.26	23.61	52.38	28.76	13.86	9.76	L1
29.198	35.48	60.00	24.52	24.59	29.57	50.00	20.43	18.68	10.89	L1

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 3

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

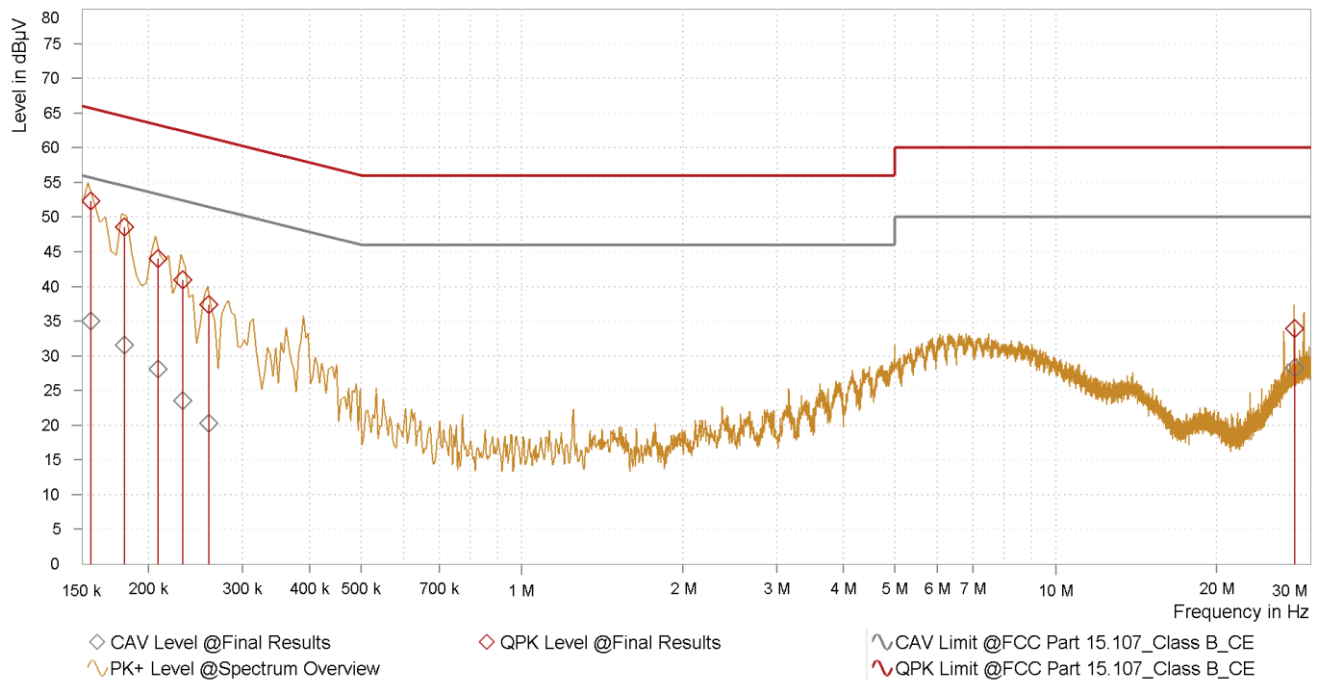
Temp 19.6°C

Humi 59.1%

Polarity N

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	52.29	65.67	13.39	42.61	35.02	55.67	20.65	25.35	9.68	N
0.180	48.58	64.49	15.90	38.88	31.59	54.49	22.89	21.89	9.70	N
0.208	43.99	63.28	19.30	34.27	28.09	53.28	25.20	18.37	9.72	N
0.232	40.98	62.38	21.40	31.26	23.49	52.38	28.89	13.77	9.72	N
0.259	37.36	61.46	24.11	27.63	20.29	51.46	31.17	10.56	9.73	N
27.986	33.91	60.00	26.09	22.96	28.26	50.00	21.74	17.32	10.94	N

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 4

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

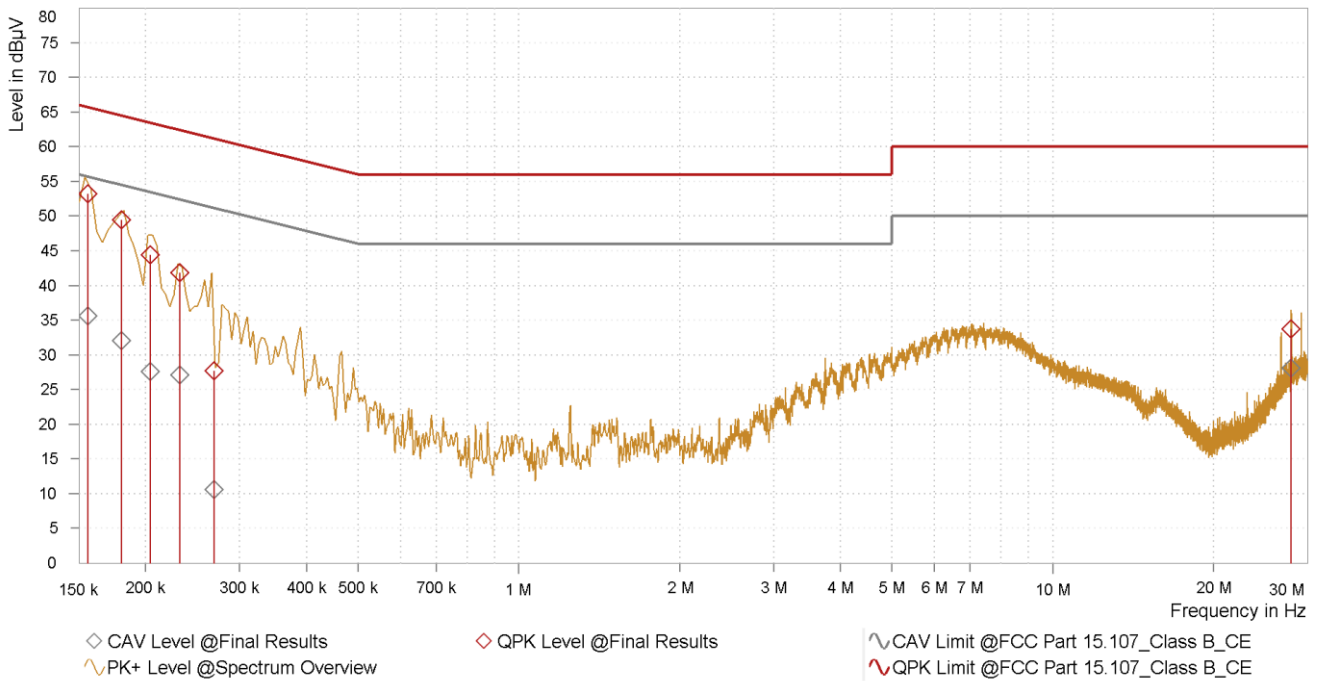
Temp 19.6°C

Humi 59.1%

Polarity L

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	53.20	65.67	12.48	43.46	35.61	55.67	20.06	25.88	9.73	L1
0.180	49.47	64.49	15.02	39.72	32.07	54.49	22.42	22.32	9.75	L1
0.204	44.42	63.45	19.02	34.67	27.56	53.45	25.89	17.80	9.76	L1
0.232	41.83	62.38	20.55	32.07	27.13	52.38	25.25	17.38	9.76	L1
0.269	27.69	61.15	33.45	17.94	10.57	51.15	40.58	0.82	9.76	L1
27.974	33.76	60.00	26.24	22.99	28.12	50.00	21.88	17.34	10.78	L1

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 4

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

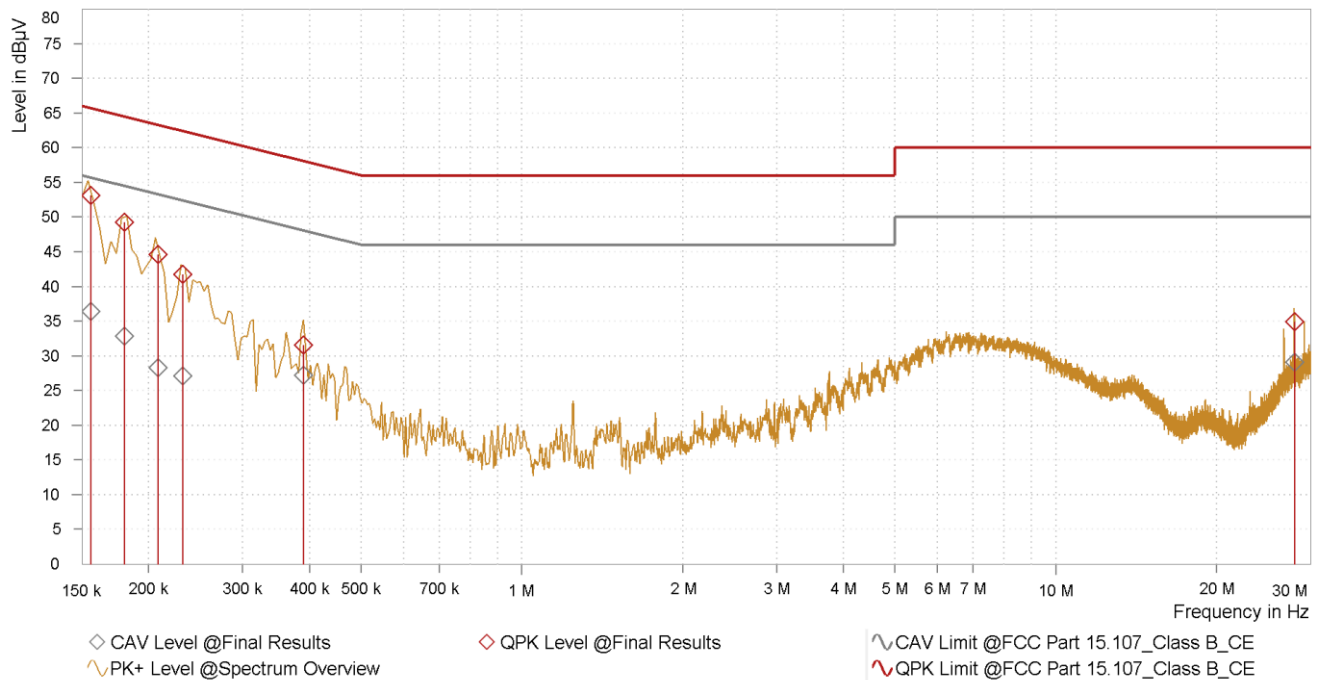
Temp 19.6°C

Humi 59.1%

Polarity N

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	53.08	65.67	12.59	43.41	36.42	55.67	19.25	26.74	9.68	N
0.180	49.26	64.49	15.22	39.57	32.81	54.49	21.67	23.12	9.70	N
0.208	44.59	63.28	18.70	34.87	28.27	53.28	25.01	18.55	9.72	N
0.232	41.74	62.38	20.64	32.02	27.09	52.38	25.29	17.36	9.72	N
0.390	31.55	58.06	26.52	21.77	27.19	48.06	20.87	17.41	9.78	N
27.990	34.88	60.00	25.12	23.94	29.08	50.00	20.92	18.14	10.94	N

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 5

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

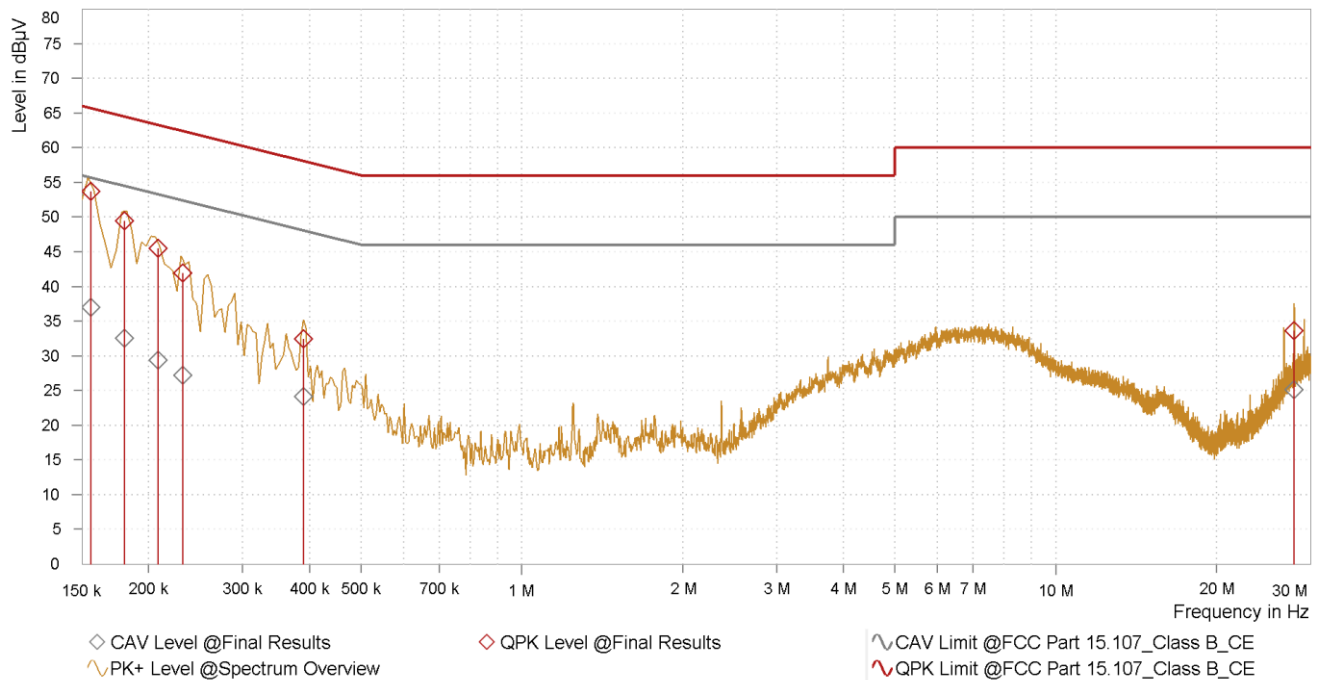
Temp 19.6°C

Humi 59.1%

Polarity L

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	53.71	65.67	11.97	43.97	36.98	55.67	18.70	27.24	9.73	L1
0.180	49.43	64.49	15.06	39.68	32.54	54.49	21.94	22.80	9.75	L1
0.208	45.47	63.28	17.81	35.72	29.37	53.28	23.92	19.61	9.76	L1
0.232	41.88	62.38	20.50	32.13	27.23	52.38	25.15	17.47	9.76	L1
0.390	32.46	58.06	25.60	22.68	24.17	48.06	23.89	14.39	9.78	L1
27.982	33.61	60.00	26.39	22.83	25.16	50.00	24.84	14.38	10.78	L1

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

Model No. OAW-AP1501

Note Mode 5

Test Voltage AC 120V/60Hz

Test Engineer Carl Jiang

Test Date 2025-11-17

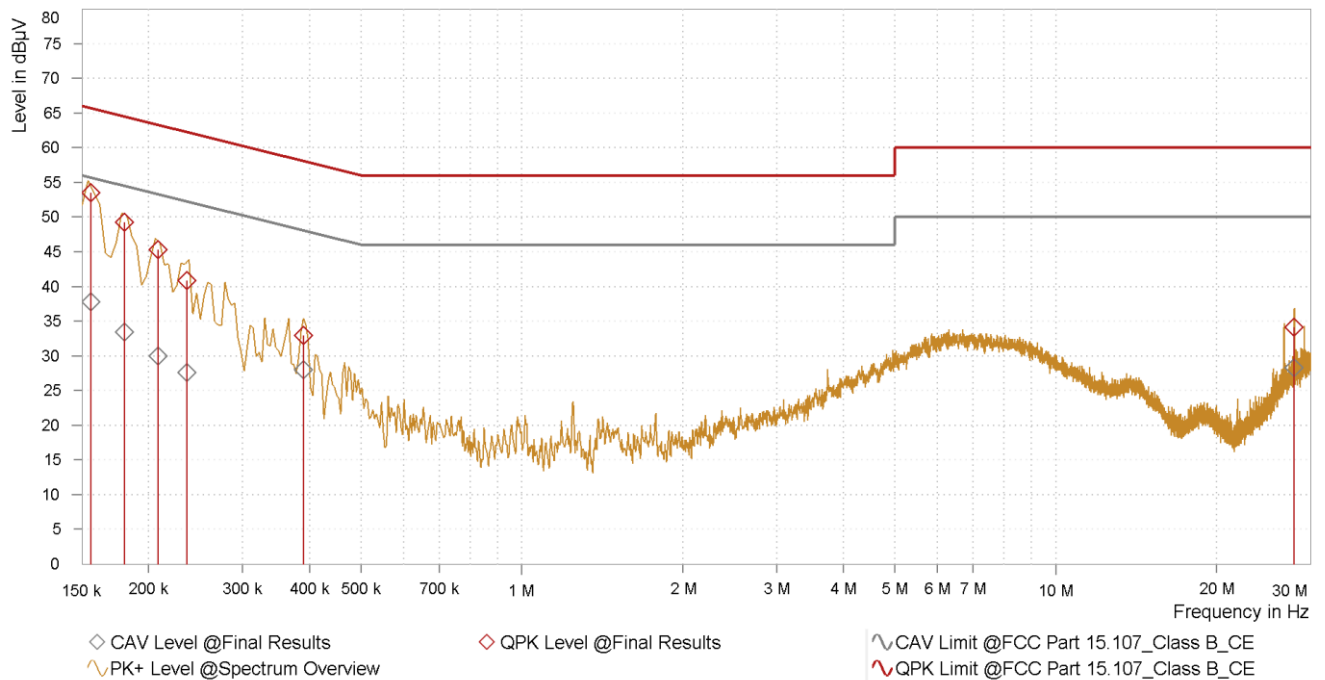
Temp 19.6°C

Humi 59.1%

Polarity N

Test Site WJ-SR5

Spectrum Overview



Final Results

Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	QPK Raw Lvl [dBμV]	CAV Level [dBμV]	CAV Limit [dBμV]	CAV Margin [dB]	CAV Raw Lvl [dBμV]	Correction [dB]	Line
0.156	53.53	65.67	12.14	43.86	37.76	55.67	17.91	28.09	9.68	N
0.180	49.27	64.49	15.22	39.57	33.46	54.49	21.03	23.76	9.70	N
0.208	45.31	63.28	17.98	35.59	29.94	53.28	23.34	20.22	9.72	N
0.236	40.80	62.24	21.43	31.08	27.55	52.24	24.68	17.83	9.72	N
0.390	32.89	58.06	25.17	23.11	27.94	48.06	20.13	18.16	9.78	N
27.966	34.08	60.00	25.92	23.14	28.27	50.00	21.73	17.33	10.94	N

Notes

1. QPK Level [dB μ V]=QPK Raw Lvl [dB μ V] + Correction [dB]
2. CAV Level [dB μ V]=CAV Raw Lvl [dB μ V] + Correction [dB]
3. Correction [dB]= LISN Factor [dB] + Cable Loss [dB]

5.3. Radiated Emission

5.3.1. Test Limit

FCC Part 15.109 / RSS-Gen / ICES-003 Issue 7 - 3.2.2 Class B Limits			
Frequency (MHz)	Distance (m)	Level (dB μ V/m)	Detector Function
30 ~ 88	3	40	Quasi-peak
88 ~ 216	3	43.5	Quasi-peak
216 ~ 230	3	46	Quasi-peak
230 ~ 960	3	46 / 47 Note 3	Quasi-peak
960 ~ 1000	3	54	Quasi-peak
Above 1000	3	54	Average
		74	Peak

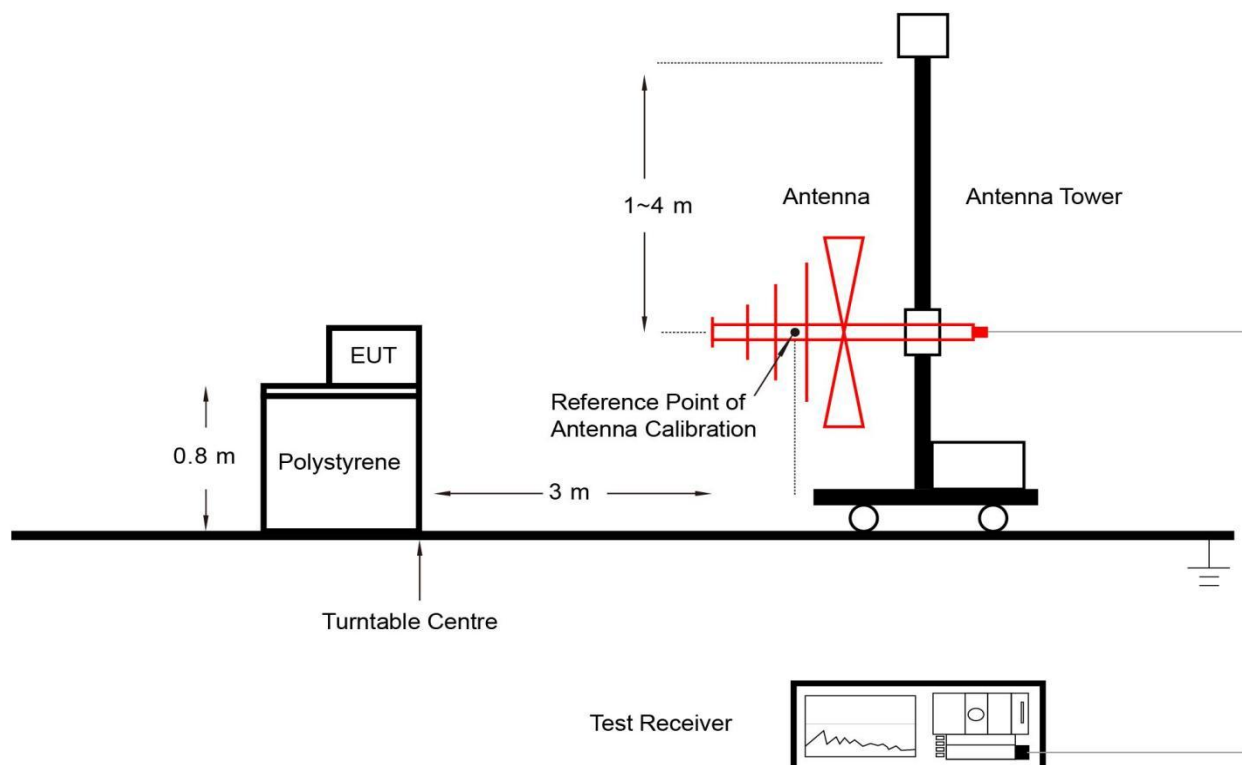
Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance (in meters) between the antenna of the measuring instrument and the closest point of any part of the device or system.

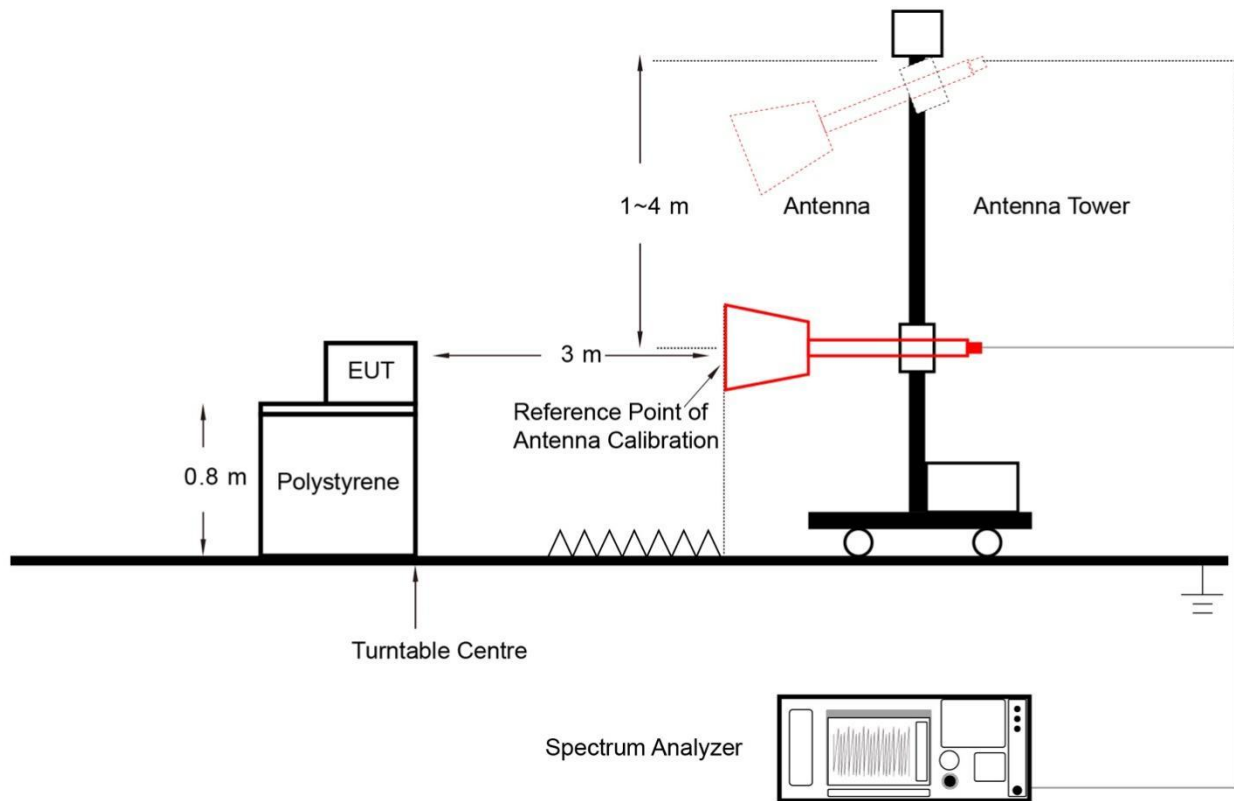
Note 3: Within the frequency range of 230 MHz to 960 MHz, the limit specified in FCC Part 15.109 is more stringent than that in ICES-003 Issue 7; therefore, only the FCC Part 15.109 limit is presented in the test data.

5.3.2. Test Setup

Below 1 GHz Test Setup:

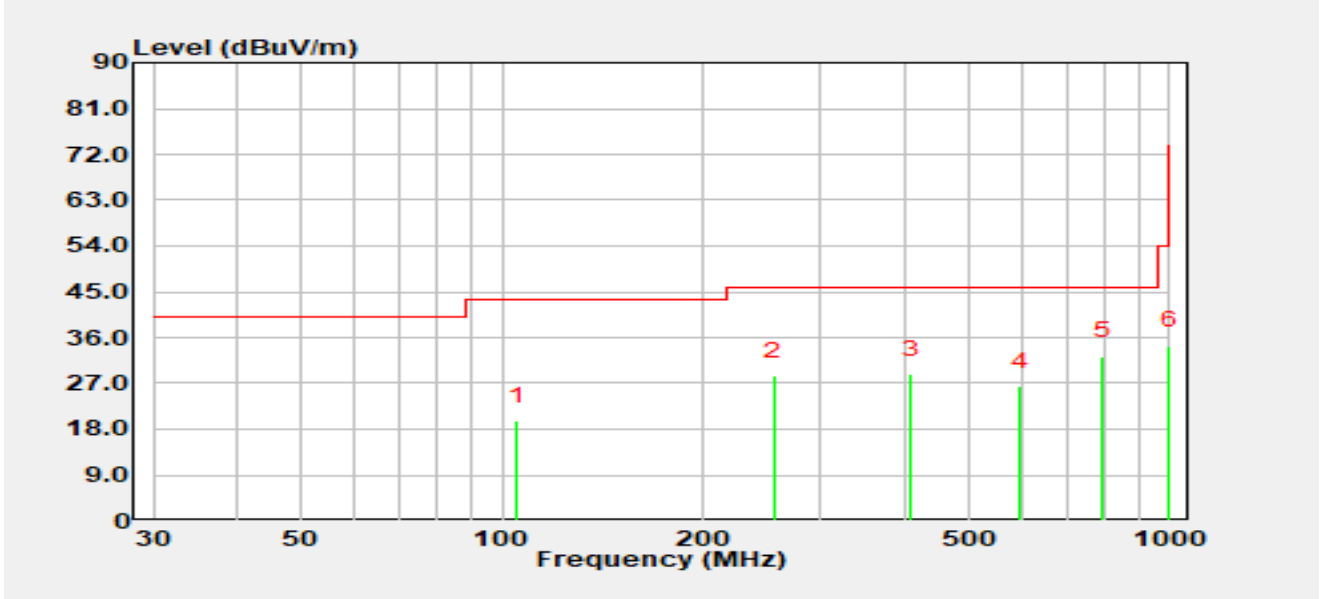


Above 1 GHz Test Setup:



5.3.3. Test Result

Site	WJ-AC2	Test Date	2025-10-16
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 1

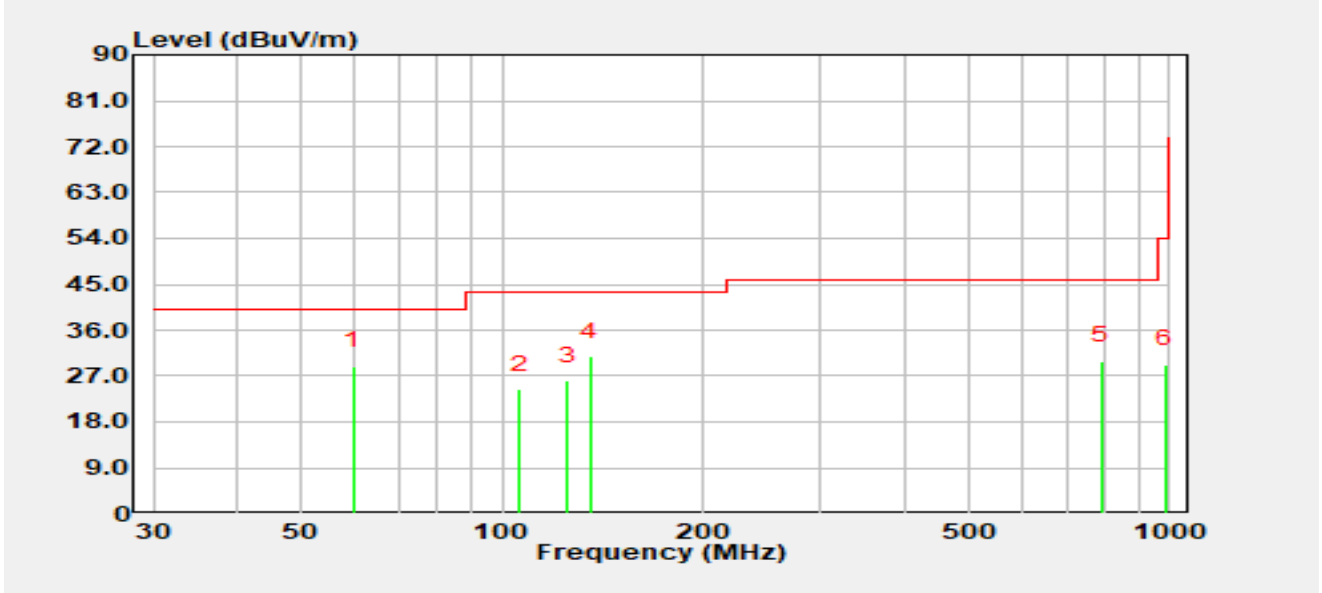


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		105.12	1.50	18.13	19.63	-23.87	43.50	QP
2		255.35	9.10	19.27	28.37	-17.63	46.00	QP
3		410.38	5.90	22.92	28.82	-17.18	46.00	QP
4		597.64	-0.20	26.64	26.44	-19.56	46.00	QP
5	*	793.40	4.10	28.31	32.41	-13.59	46.00	QP
6		998.60	4.30	30.17	34.47	-19.53	54.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-16
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 1

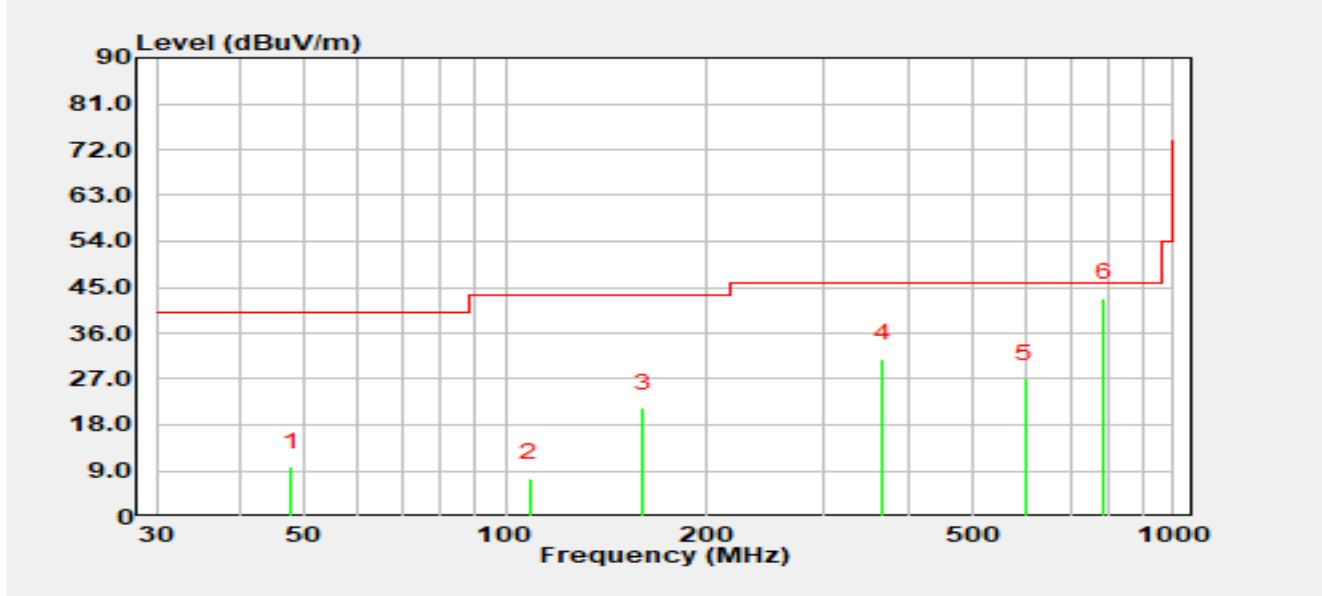


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	59.94	10.40	18.57	28.97	-11.03	40.00	QP
2		106.05	6.30	18.11	24.41	-19.09	43.50	QP
3		125.18	10.60	15.54	26.14	-17.36	43.50	QP
4		135.60	16.10	14.65	30.75	-12.75	43.50	QP
5		789.51	1.60	28.37	29.97	-16.03	46.00	QP
6		984.69	-0.80	30.07	29.27	-24.73	54.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-24
Temperature	41.5°C	Humidity	20.0%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By PoE	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 2

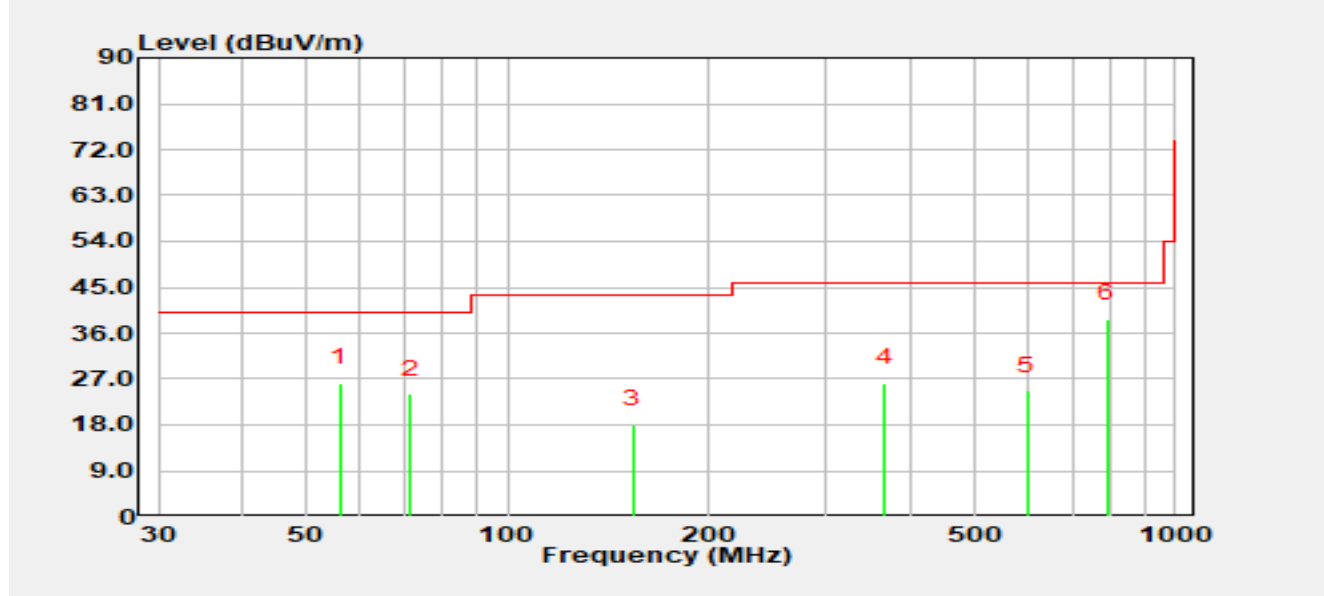


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		47.74	-10.20	19.95	9.75	-30.25	40.00	QP
2		108.76	-10.30	17.92	7.62	-35.88	43.50	QP
3		160.74	6.30	15.01	21.31	-22.19	43.50	QP
4		367.60	9.49	21.50	30.99	-15.01	46.00	QP
5		599.95	0.40	26.63	27.03	-18.97	46.00	QP
6	*	788.40	14.50	28.38	42.88	-3.12	46.00	QP

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-24
Temperature	41.5°C	Humidity	20.0%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By PoE	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 2

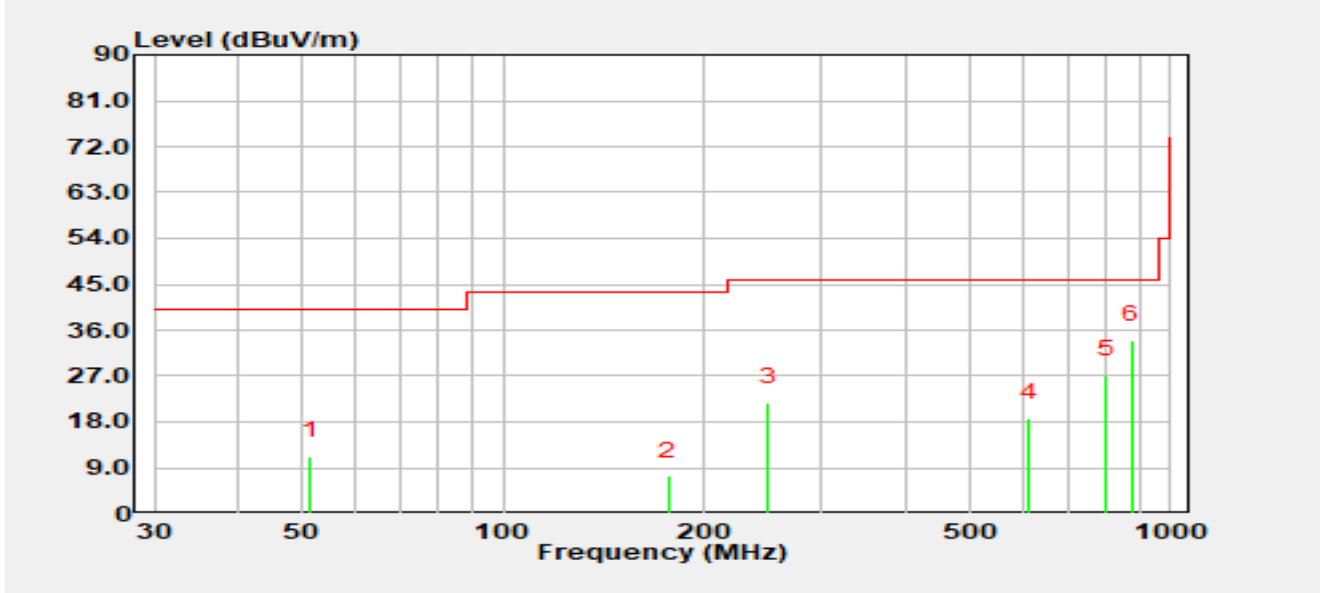


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		56.18	6.92	19.33	26.25	-13.75	40.00	QP
2		71.41	9.02	15.08	24.10	-15.90	40.00	QP
3		154.12	3.42	14.60	18.02	-25.48	43.50	QP
4		367.85	4.79	21.51	26.30	-19.70	46.00	QP
5		599.95	-1.93	26.63	24.70	-21.30	46.00	QP
6	*	788.96	10.40	28.38	38.78	-7.22	46.00	QP

Notes:

1. " *" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 3

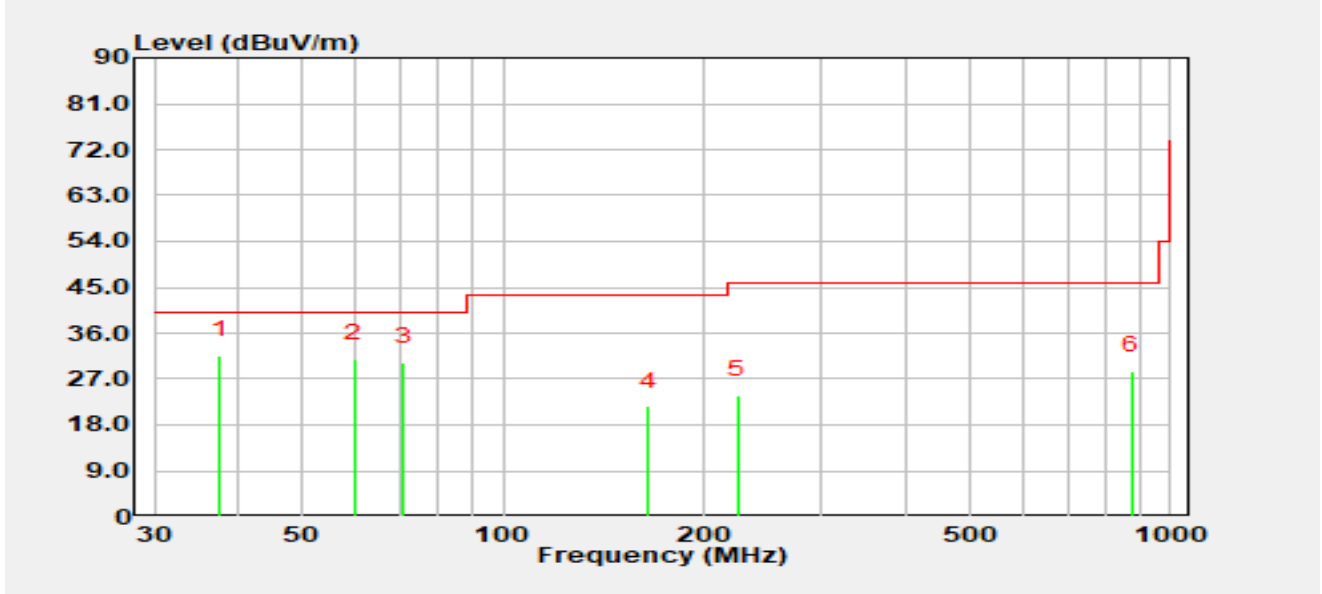


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		51.48	-8.60	19.88	11.28	-28.72	40.00	QP
2		177.07	-8.30	15.75	7.45	-36.05	43.50	QP
3		250.04	2.60	19.28	21.88	-24.12	46.00	QP
4		613.78	-7.60	26.35	18.75	-27.25	46.00	QP
5		801.79	-0.90	28.17	27.27	-18.73	46.00	QP
6	*	875.25	4.50	29.48	33.98	-12.02	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 3

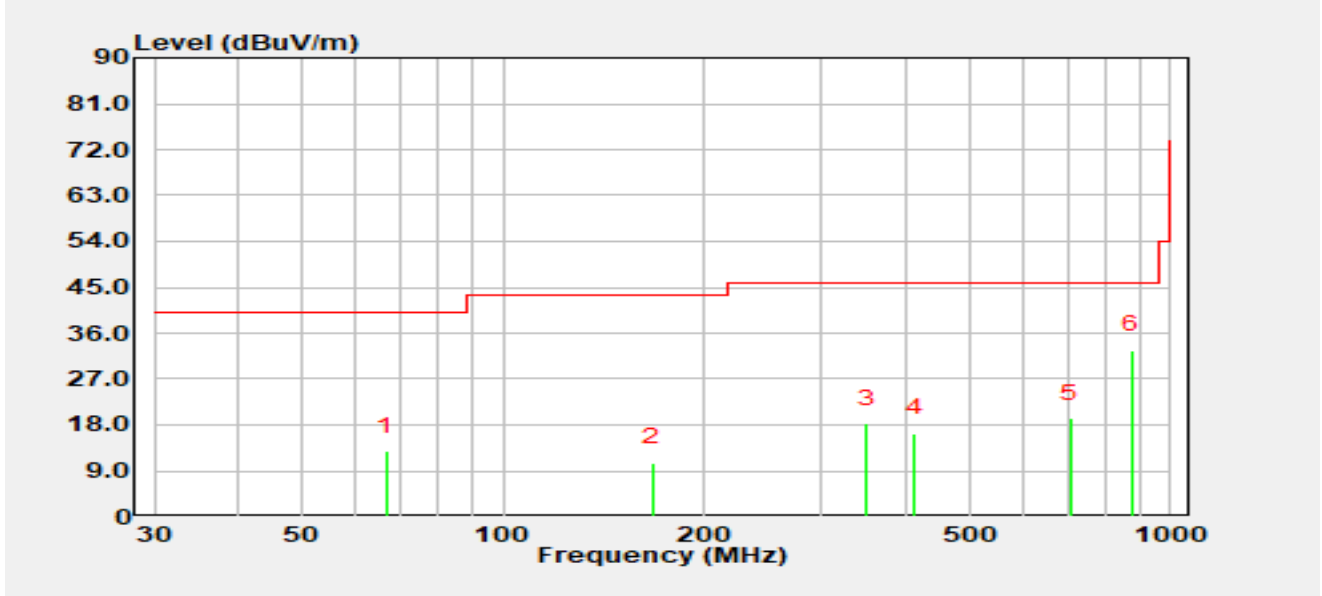


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	37.68	13.70	17.91	31.61	-8.39	40.00	QP
2		59.94	12.40	18.57	30.97	-9.03	40.00	QP
3		70.81	15.00	15.27	30.27	-9.73	40.00	QP
4		165.08	6.40	15.24	21.64	-21.86	43.50	QP
5		224.20	5.60	18.21	23.81	-22.19	46.00	QP
6		875.25	-0.90	29.48	28.58	-17.42	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 4

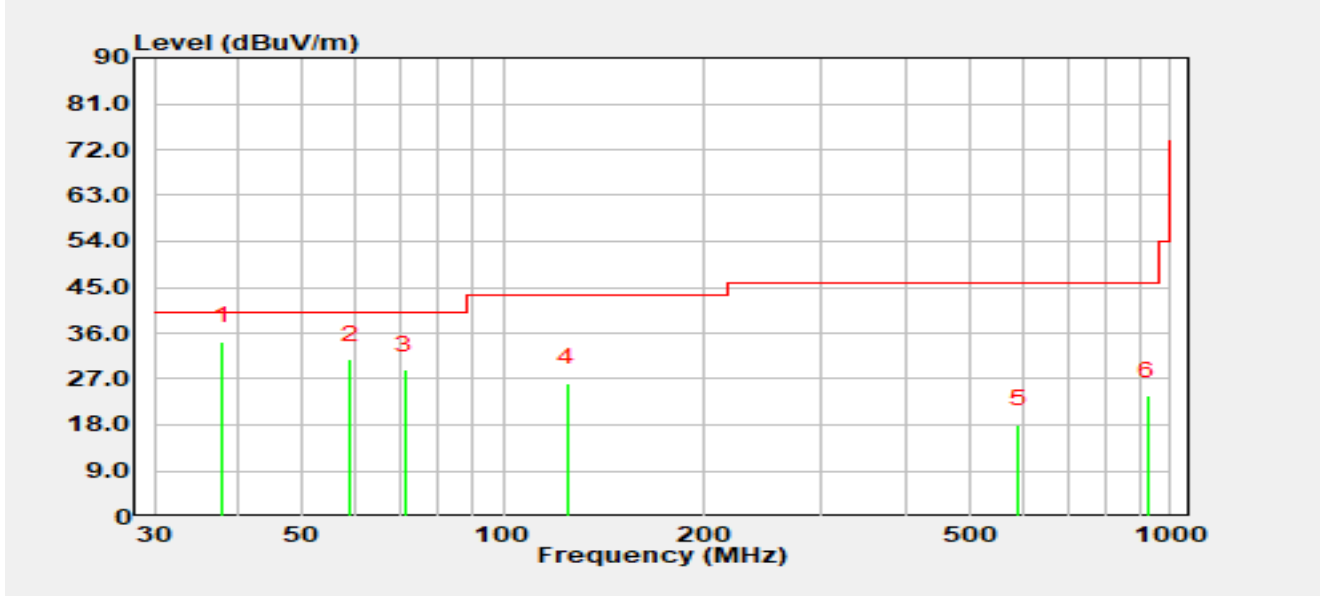


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		66.66	-3.80	16.61	12.81	-27.19	40.00	QP
2		167.00	-4.70	15.33	10.63	-32.87	43.50	QP
3		351.21	-3.70	21.91	18.21	-27.79	46.00	QP
4		413.56	-6.50	22.97	16.47	-29.53	46.00	QP
5		707.69	-8.10	27.42	19.32	-26.68	46.00	QP
6	*	875.25	3.20	29.48	32.68	-13.32	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 4

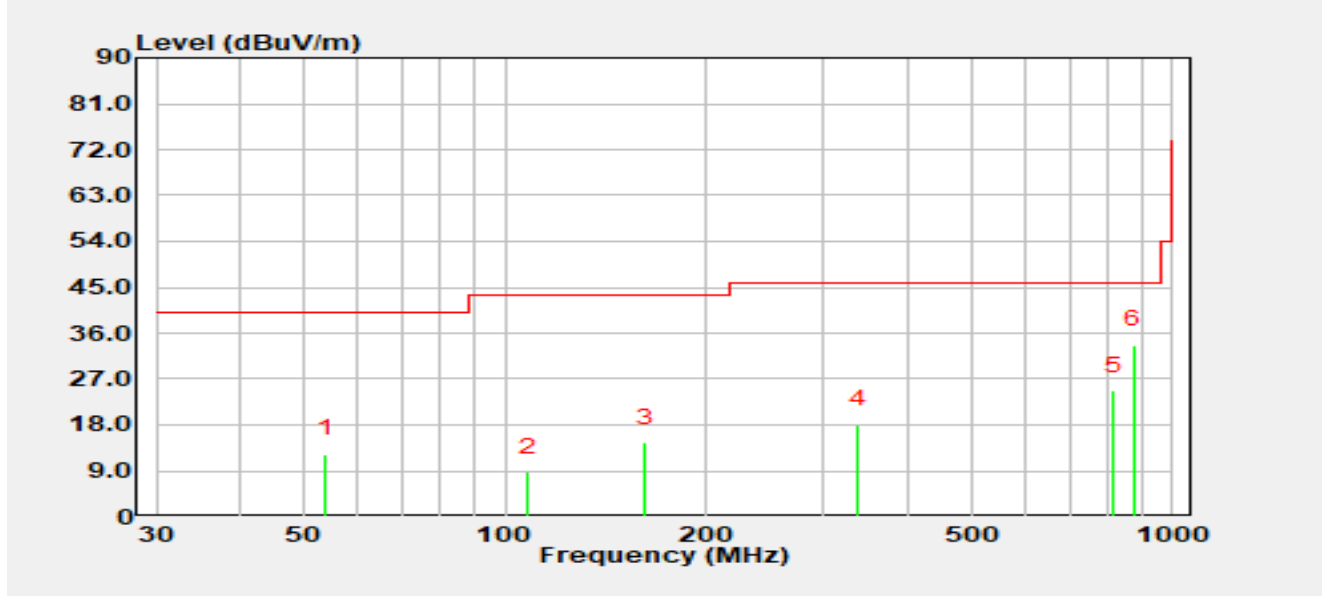


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	38.02	16.30	18.04	34.34	-5.66	40.00	QP
2		58.96	12.10	18.80	30.90	-9.10	40.00	QP
3		71.38	13.70	15.09	28.79	-11.21	40.00	QP
4		125.01	10.60	15.56	26.16	-17.34	43.50	QP
5		590.77	-8.40	26.41	18.01	-27.99	46.00	QP
6		922.84	-6.20	29.91	23.71	-22.29	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 5

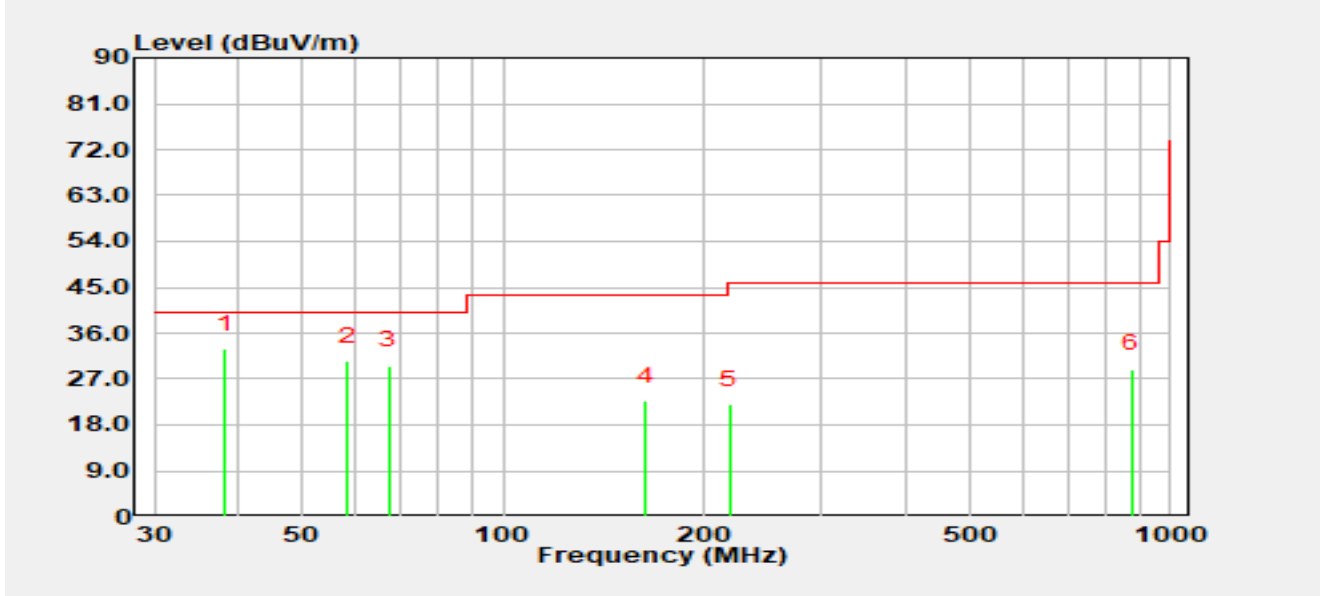


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		53.83	-7.30	19.67	12.37	-27.63	40.00	QP
2		108.15	-9.20	17.97	8.77	-34.73	43.50	QP
3		162.10	-0.50	15.08	14.58	-28.92	43.50	QP
4		337.33	-3.30	21.37	18.07	-27.93	46.00	QP
5		816.83	-3.50	28.25	24.75	-21.25	46.00	QP
6	*	875.25	4.30	29.48	33.78	-12.22	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 5

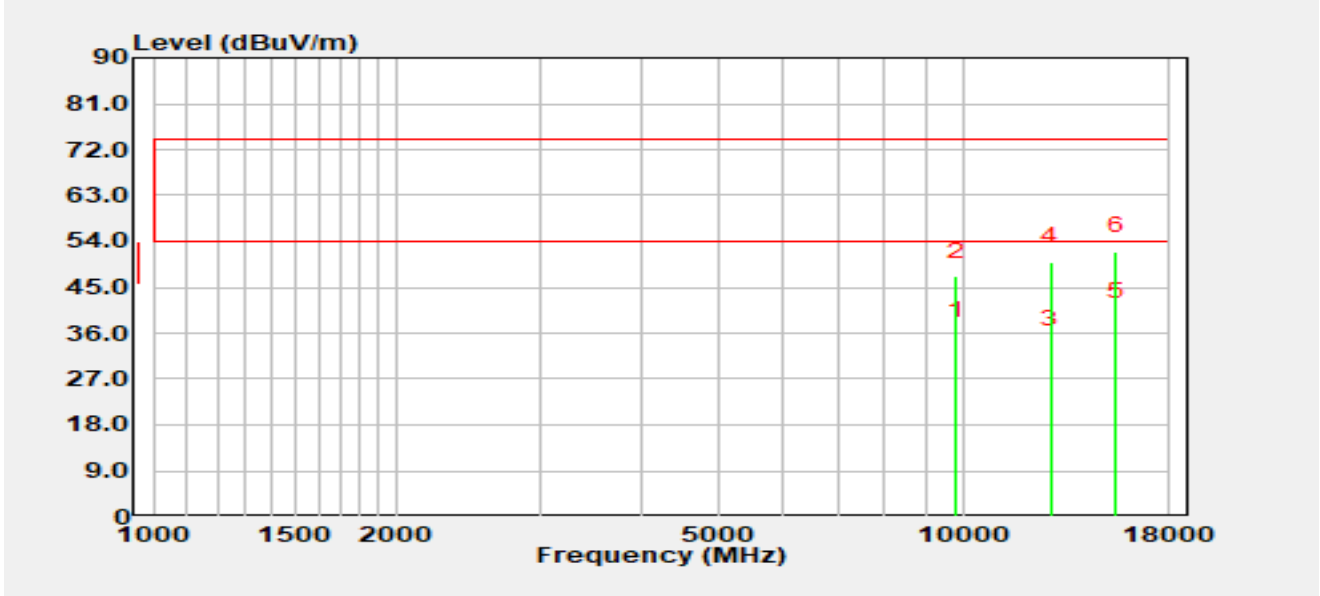


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	38.24	14.70	18.11	32.81	-7.19	40.00	QP
2		58.55	11.60	18.88	30.48	-9.52	40.00	QP
3		67.34	13.20	16.40	29.60	-10.40	40.00	QP
4		163.30	7.60	15.15	22.75	-20.75	43.50	QP
5		218.39	4.20	17.82	22.02	-23.98	46.00	QP
6		875.25	-0.50	29.48	28.98	-17.02	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) .
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 1

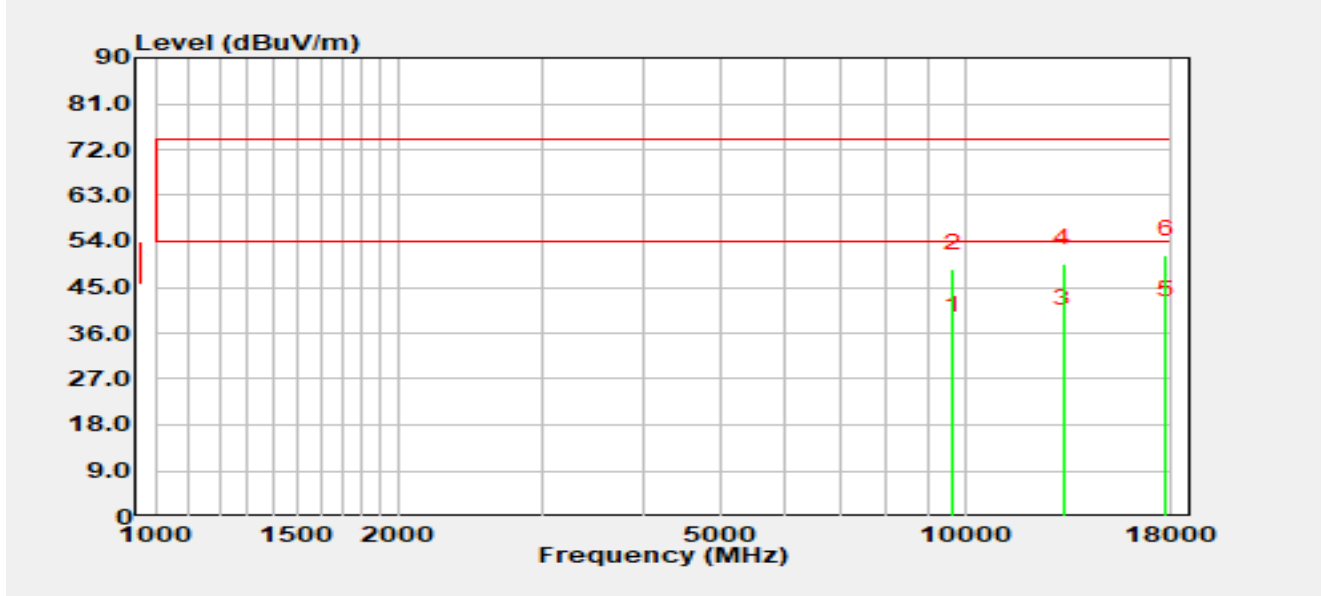


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9817.90	28.40	7.00	35.40	-18.60	54.00	Average
2		9817.90	40.21	7.00	47.21	-26.79	74.00	Peak
3		12849.00	28.43	5.53	33.96	-20.04	54.00	Average
4		12849.00	44.53	5.53	50.05	-23.95	74.00	Peak
5	*	15472.10	33.28	5.86	39.14	-14.86	54.00	Average
6		15472.10	46.12	5.86	51.97	-22.03	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 1

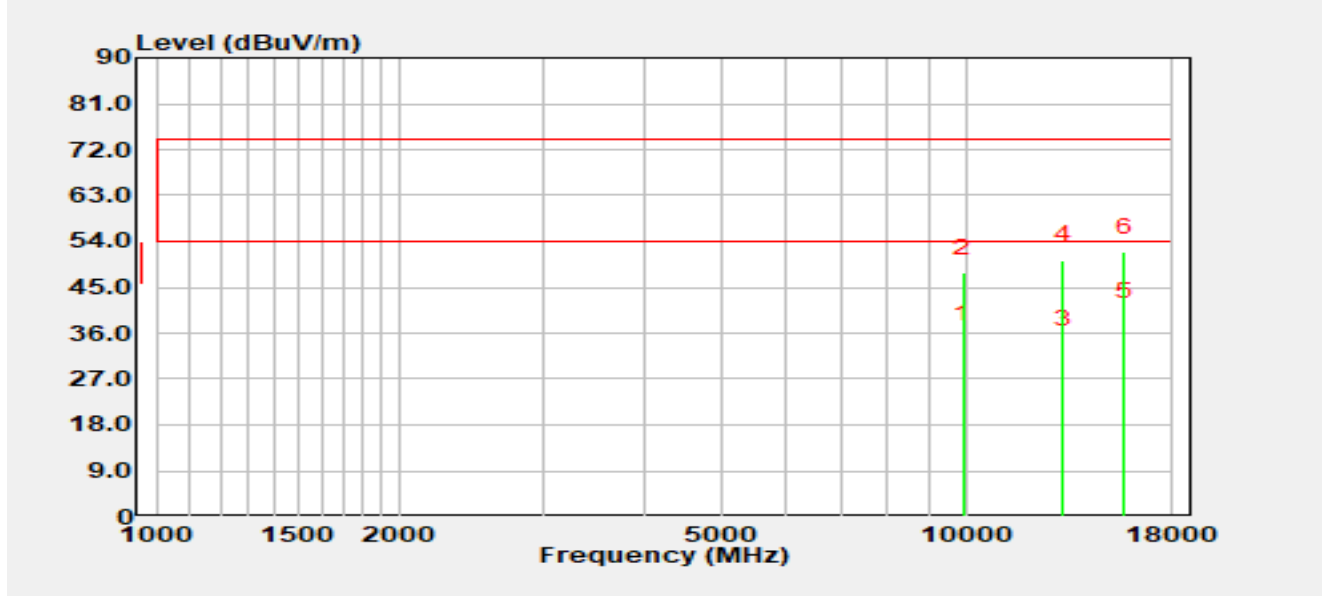


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		9647.90	29.66	6.75	36.41	-17.59	54.00	Average
2		9647.90	41.89	6.75	48.64	-25.36	74.00	Peak
3		13258.70	32.74	4.98	37.72	-16.28	54.00	Average
4		13258.70	44.62	4.98	49.60	-24.40	74.00	Peak
5	*	17695.70	35.81	3.84	39.65	-14.35	54.00	Average
6		17695.70	47.46	3.84	51.31	-22.69	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By POE	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 2

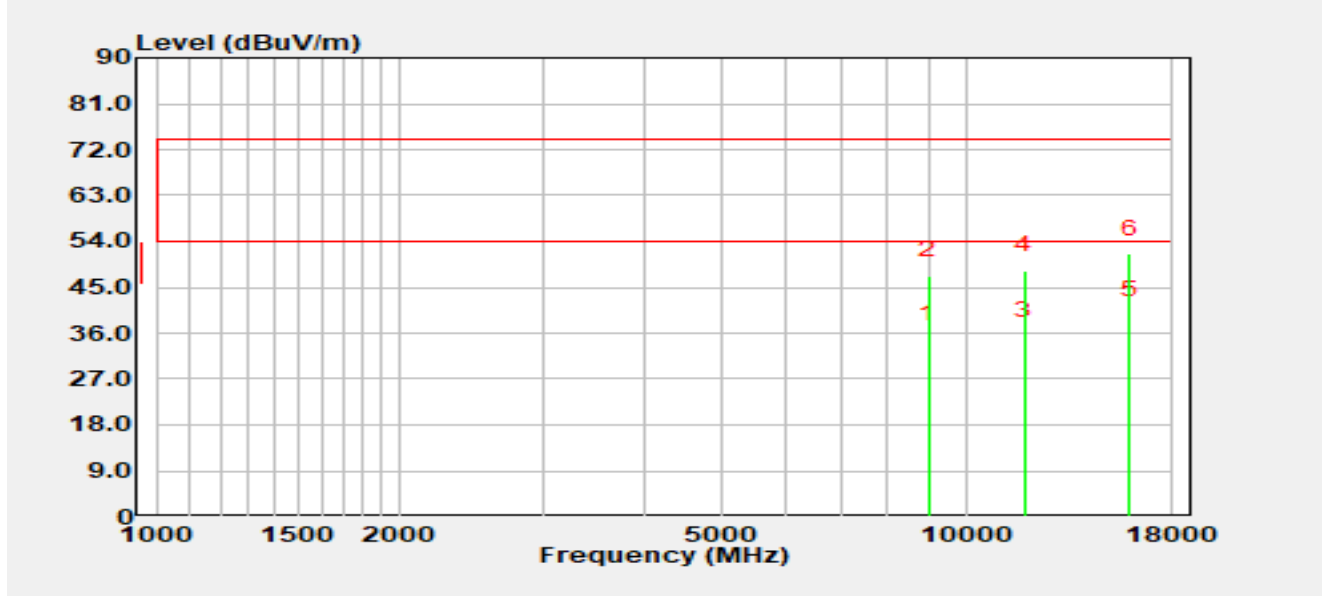


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9913.10	28.31	6.49	34.80	-19.20	54.00	Average
2		9913.10	41.29	6.49	47.78	-26.22	74.00	Peak
3		13199.20	28.38	5.32	33.70	-20.30	54.00	Average
4		13199.20	45.04	5.32	50.36	-23.64	74.00	Peak
5	*	15691.40	32.99	6.20	39.19	-14.81	54.00	Average
6		15691.40	45.67	6.20	51.87	-22.13	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By POE	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 2

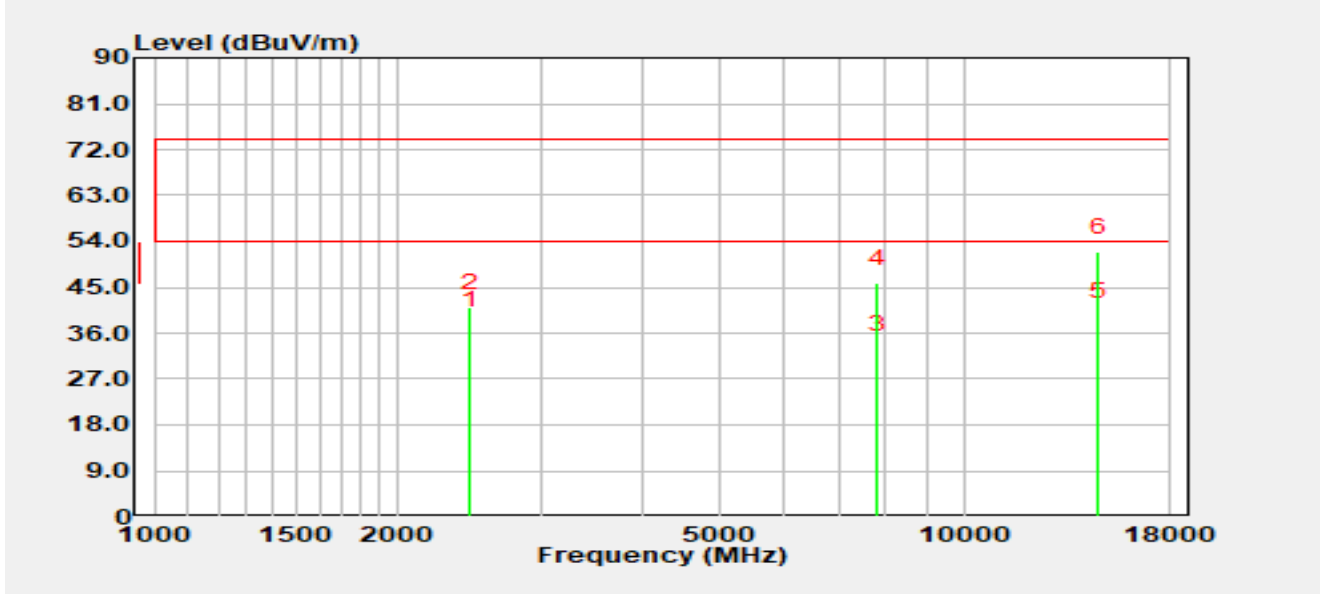


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		8991.70	27.61	7.16	34.77	-19.23	54.00	Average
2		8991.70	40.05	7.16	47.22	-26.78	74.00	Peak
3		11825.60	30.66	4.92	35.58	-18.42	54.00	Average
4		11825.60	43.39	4.92	48.32	-25.68	74.00	Peak
5	*	15946.40	33.01	6.61	39.62	-14.38	54.00	Average
6		15946.40	44.99	6.61	51.60	-22.40	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 3

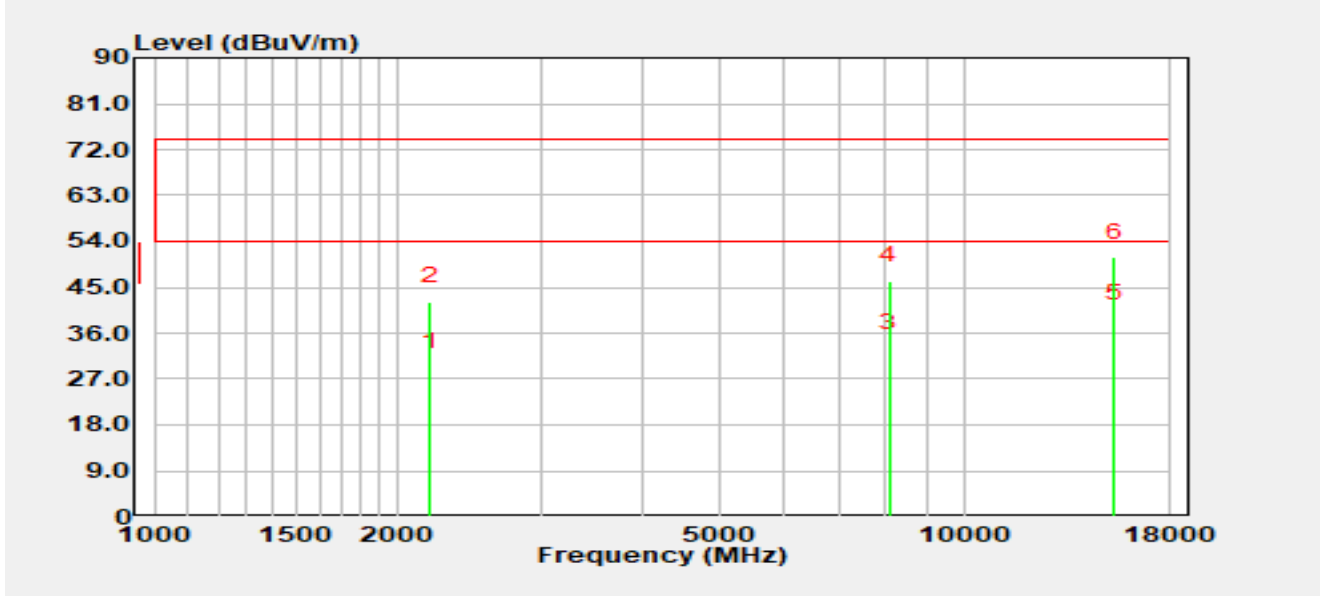


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2453.50	42.43	-4.94	37.49	-16.51	54.00	Average
2		2453.50	45.97	-4.94	41.03	-32.97	74.00	Peak
3		7823.80	27.31	5.48	32.79	-21.21	54.00	Average
4		7823.80	40.37	5.48	45.85	-28.15	74.00	Peak
5	*	14673.10	33.29	5.81	39.10	-14.90	54.00	Average
6		14673.10	46.01	5.81	51.81	-22.19	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 3

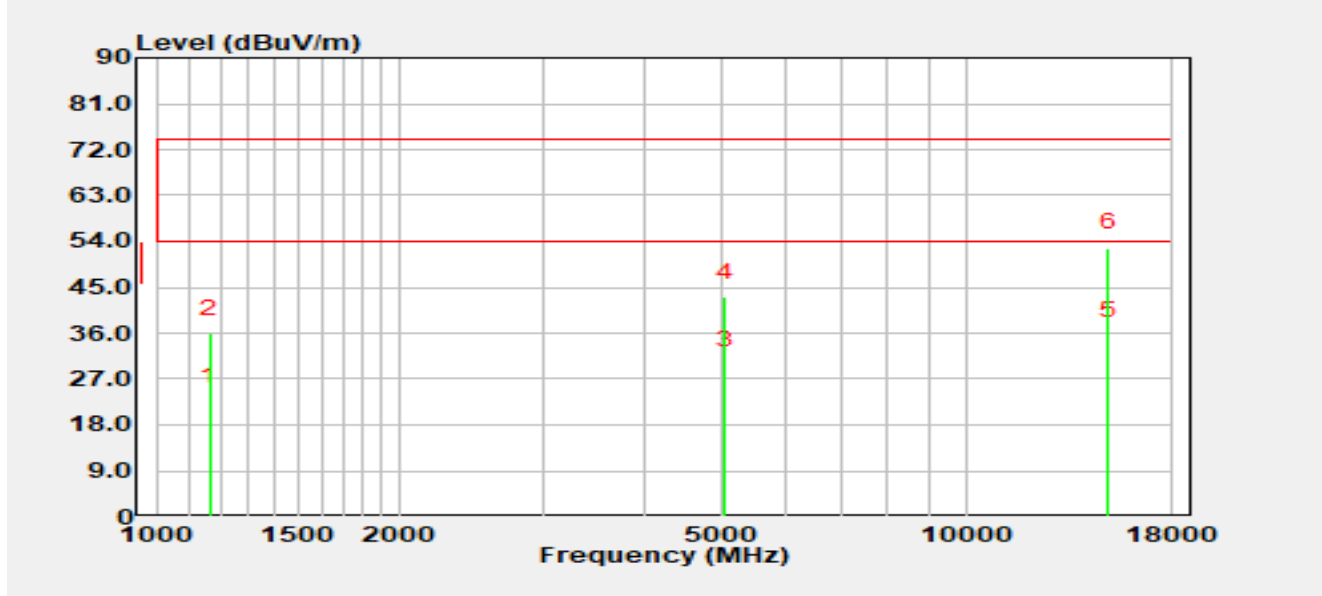


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2193.40	34.60	-5.25	29.35	-24.65	54.00	Average
2		2193.40	47.45	-5.25	42.21	-31.79	74.00	Peak
3		8087.30	27.11	5.88	32.99	-21.01	54.00	Average
4		8087.30	40.41	5.88	46.29	-27.71	74.00	Peak
5	*	15325.90	33.21	5.70	38.91	-15.09	54.00	Average
6		15325.90	45.14	5.70	50.84	-23.16	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 4

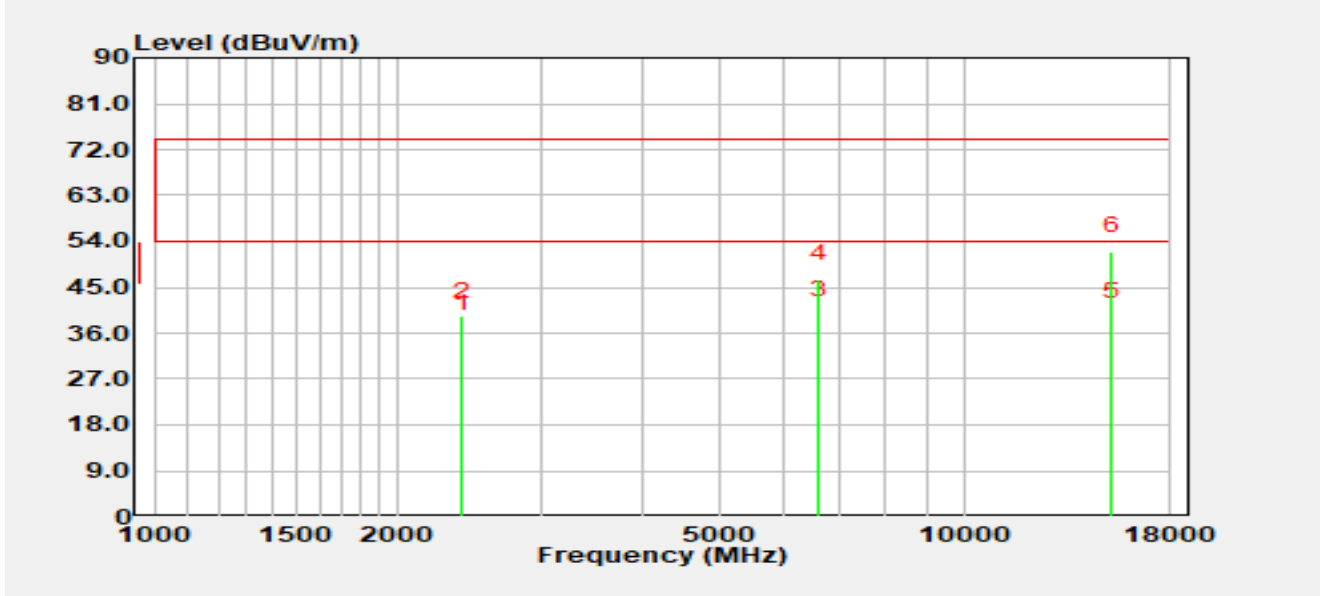


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		1163.20	30.94	-8.24	22.70	-31.30	54.00	Average
2		1163.20	44.21	-8.24	35.97	-38.03	74.00	Peak
3		5034.10	29.37	0.33	29.70	-24.30	54.00	Average
4		5034.10	42.76	0.33	43.10	-30.90	74.00	Peak
5	*	15016.50	29.72	5.93	35.65	-18.35	54.00	Average
6		15016.50	46.79	5.93	52.72	-21.28	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 4

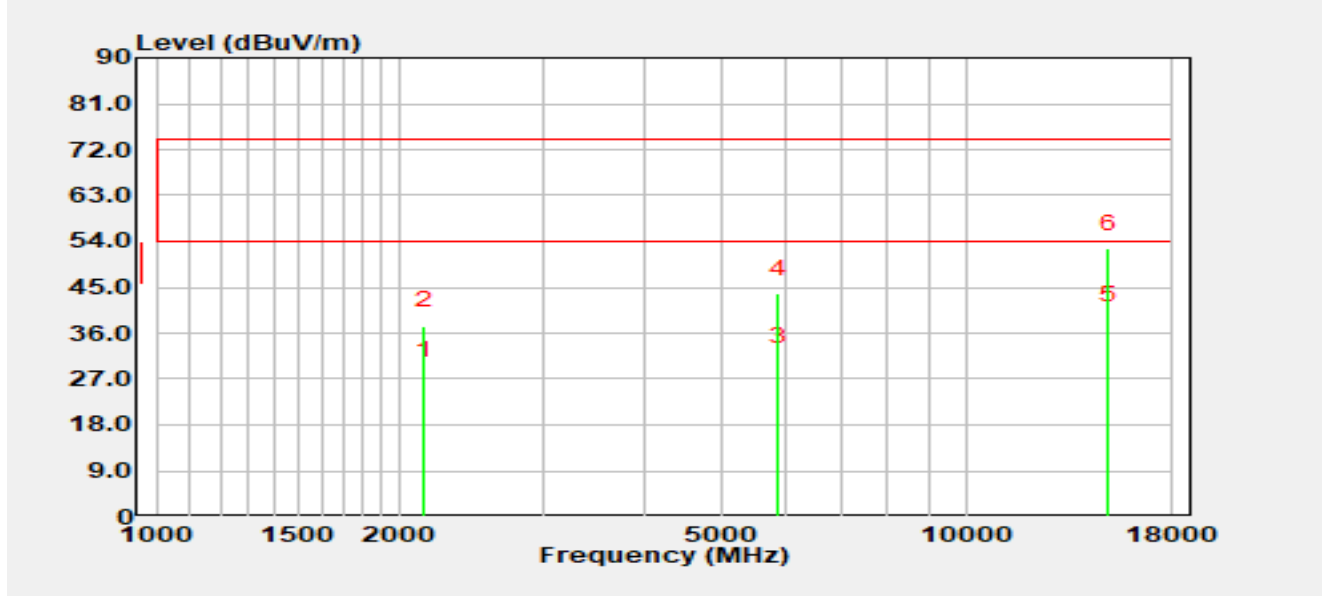


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2402.50	41.79	-4.86	36.93	-17.07	54.00	Average
2		2402.50	44.09	-4.86	39.23	-34.77	74.00	Peak
3	*	6608.30	35.22	4.29	39.51	-14.49	54.00	Average
4		6608.30	42.26	4.29	46.55	-27.45	74.00	Peak
5		15206.90	33.56	5.76	39.32	-14.68	54.00	Average
6		15206.90	46.21	5.76	51.97	-22.03	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 5

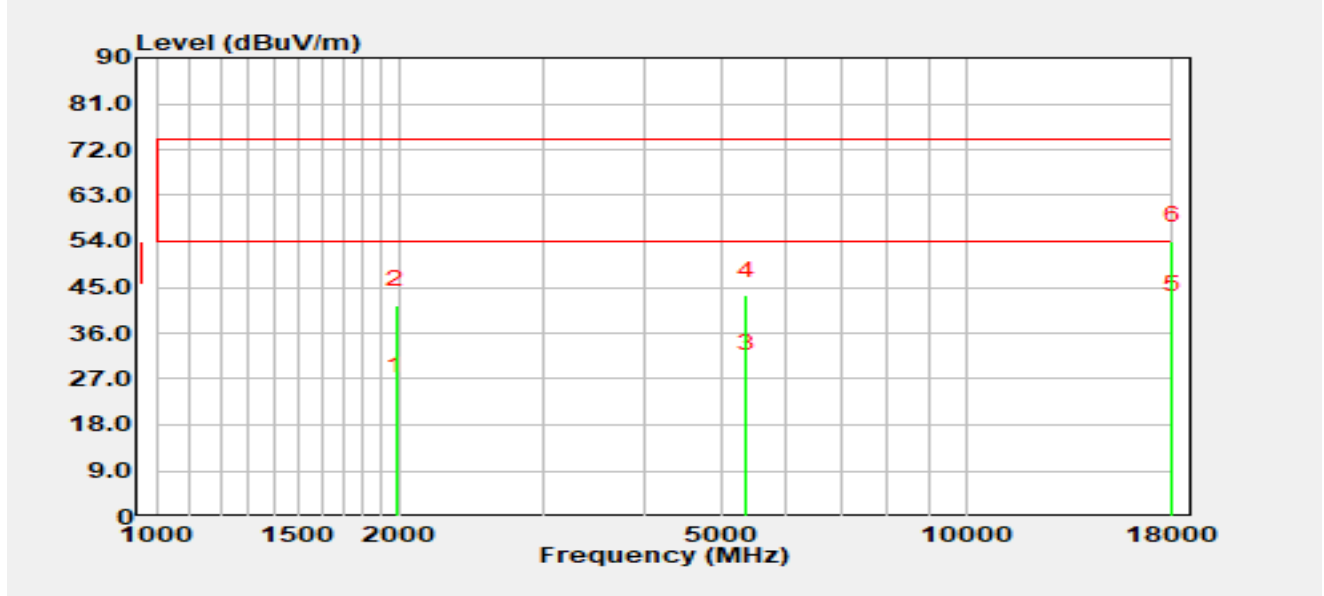


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2142.40	33.20	-5.51	27.69	-26.31	54.00	Average
2		2142.40	42.99	-5.51	37.48	-36.53	74.00	Peak
3		5865.40	29.04	1.51	30.55	-23.45	54.00	Average
4		5865.40	42.20	1.51	43.71	-30.29	74.00	Peak
5	*	15018.20	32.52	5.91	38.43	-15.57	54.00	Average
6		15018.20	46.65	5.91	52.56	-21.44	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-13
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 5

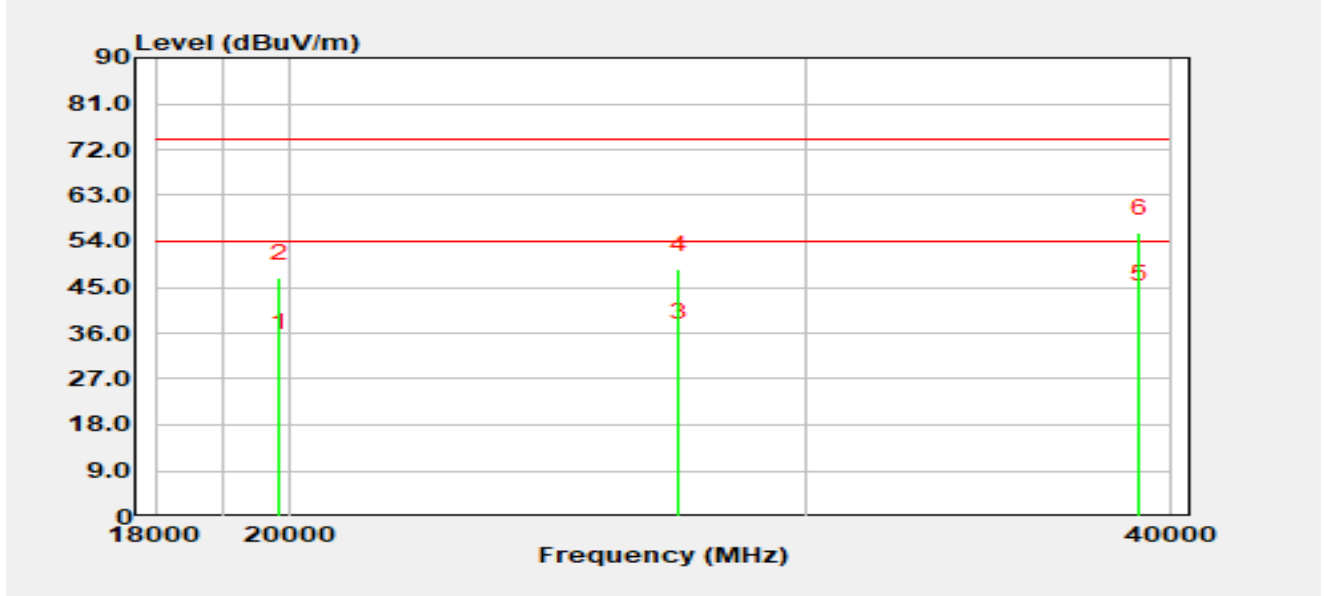


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		1977.50	30.38	-5.65	24.73	-29.27	54.00	Average
2		1977.50	47.22	-5.65	41.57	-32.43	74.00	Peak
3		5345.20	29.45	-0.25	29.20	-24.80	54.00	Average
4		5345.20	43.65	-0.25	43.39	-30.61	74.00	Peak
5	*	17967.70	35.85	4.74	40.59	-13.41	54.00	Average
6		17967.70	49.27	4.74	54.01	-19.99	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 1

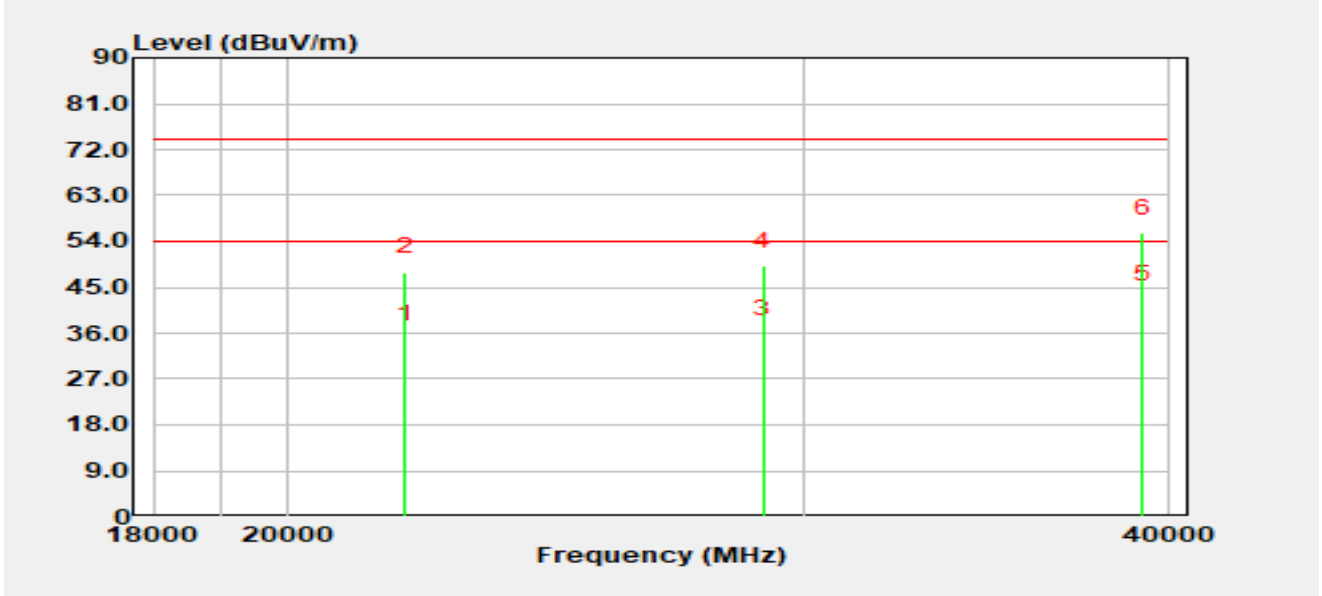


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		19852.40	41.13	-8.16	32.97	-21.03	54.00	Average
2		19852.40	54.99	-8.16	46.83	-27.17	74.00	Peak
3		27147.60	38.93	-3.78	35.15	-18.85	54.00	Average
4		27147.60	52.26	-3.78	48.48	-25.52	74.00	Peak
5	*	39010.00	39.72	2.77	42.49	-11.51	54.00	Average
6		39010.00	52.85	2.77	55.62	-18.38	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 1

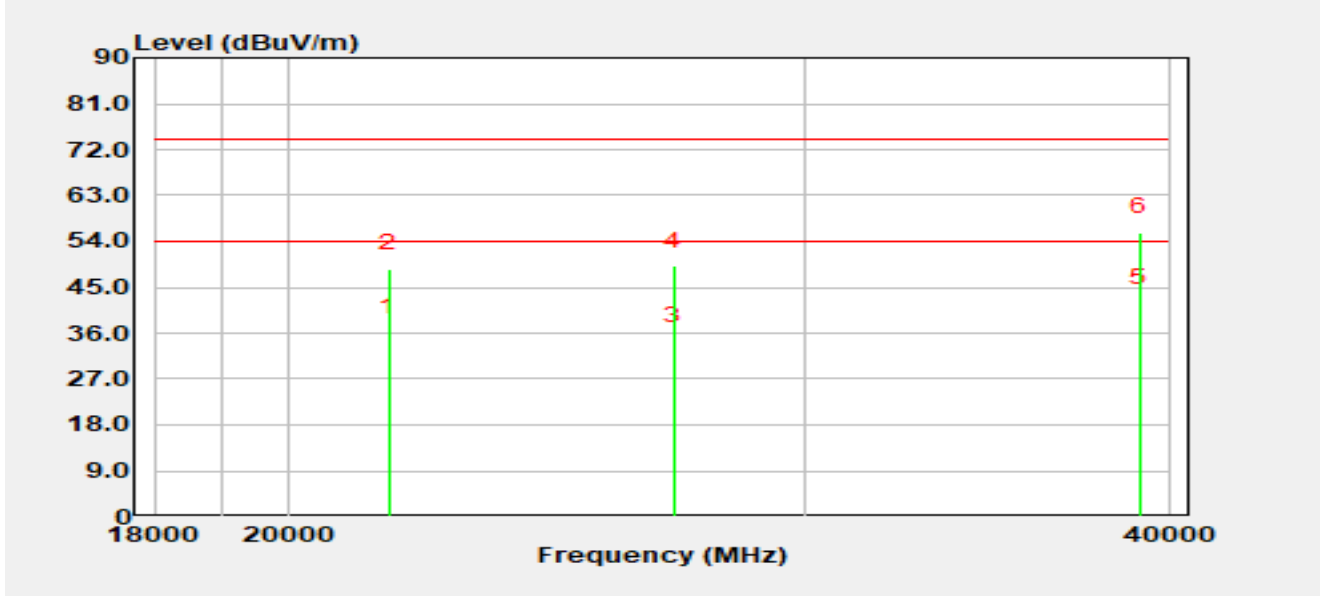


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		21944.60	39.47	-4.73	34.74	-19.26	54.00	Average
2		21944.60	52.72	-4.73	47.99	-26.01	74.00	Peak
3		29072.60	39.26	-3.40	35.86	-18.14	54.00	Average
4		29072.60	52.57	-3.40	49.17	-24.83	74.00	Peak
5	*	39175.00	39.90	2.62	42.52	-11.48	54.00	Average
6		39175.00	53.07	2.62	55.69	-18.31	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By POE	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 2

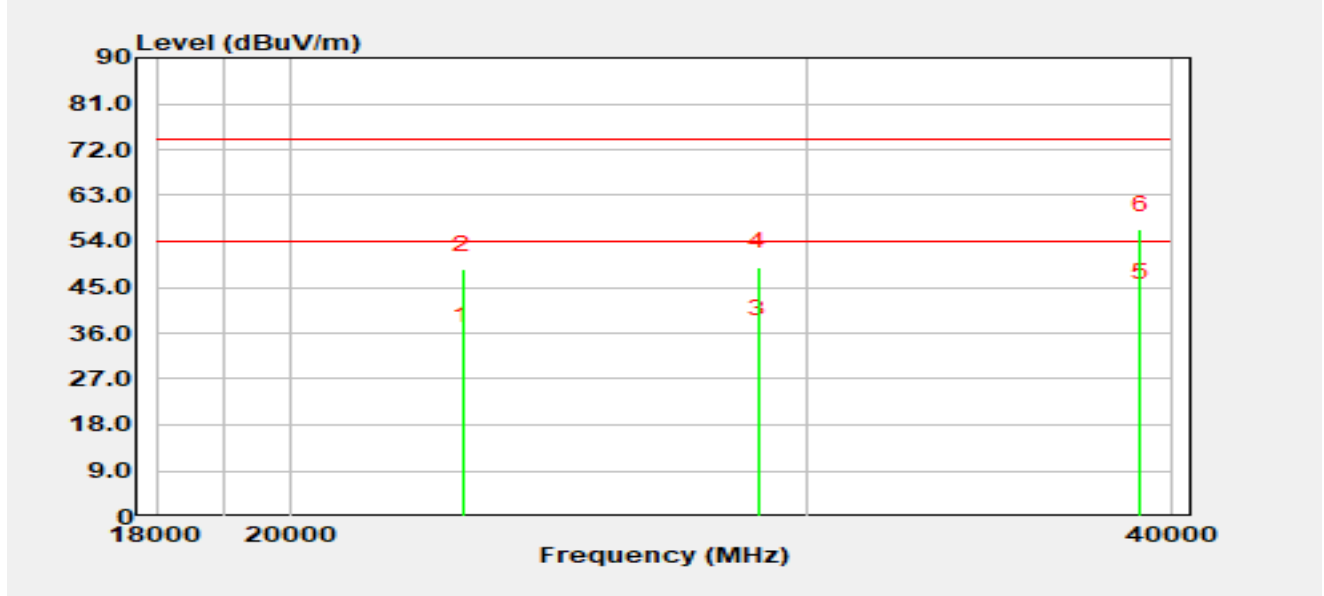


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		21634.40	41.12	-4.99	36.13	-17.87	54.00	Average
2		21634.40	53.65	-4.99	48.66	-25.34	74.00	Peak
3		27081.60	38.26	-3.74	34.52	-19.48	54.00	Average
4		27081.60	52.90	-3.74	49.16	-24.84	74.00	Peak
5	*	39023.20	39.22	2.60	41.82	-12.18	54.00	Average
6		39023.20	53.12	2.60	55.72	-18.28	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-10-15
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	By POE	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 2

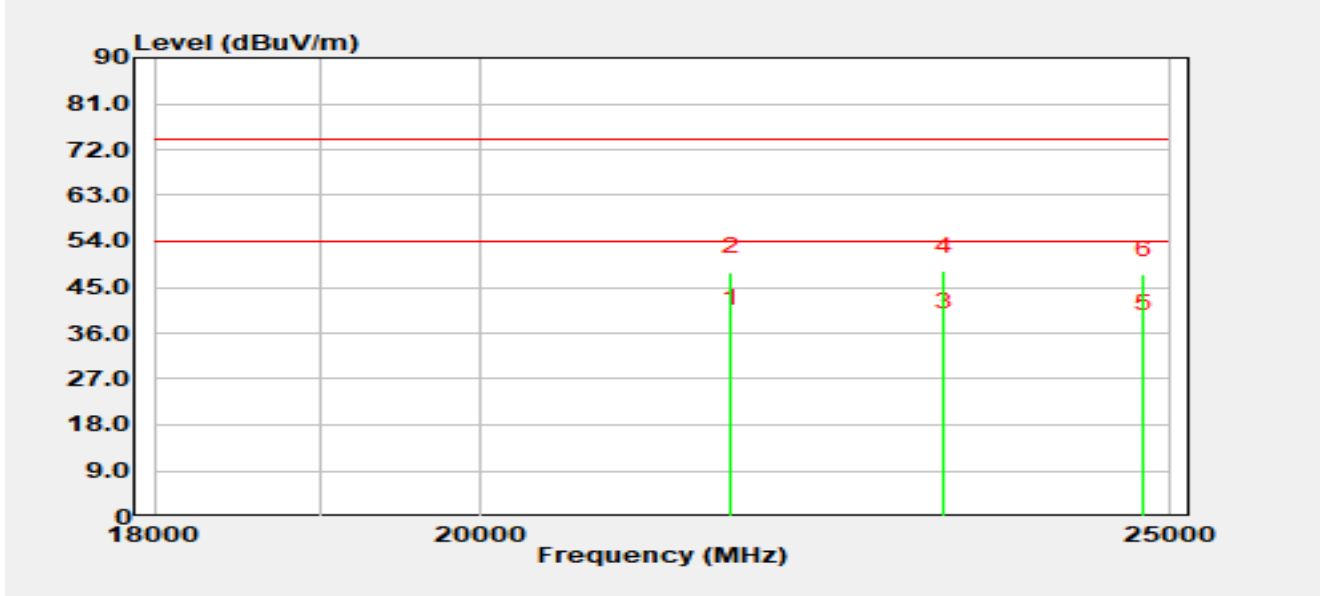


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		22912.60	38.44	-4.05	34.39	-19.61	54.00	Average
2		22912.60	52.56	-4.05	48.51	-25.49	74.00	Peak
3		28901.00	39.15	-3.39	35.76	-18.24	54.00	Average
4		28901.00	52.36	-3.39	48.96	-25.04	74.00	Peak
5	*	38983.60	40.11	2.87	42.98	-11.02	54.00	Average
6		38983.60	53.39	2.87	56.26	-17.74	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 3

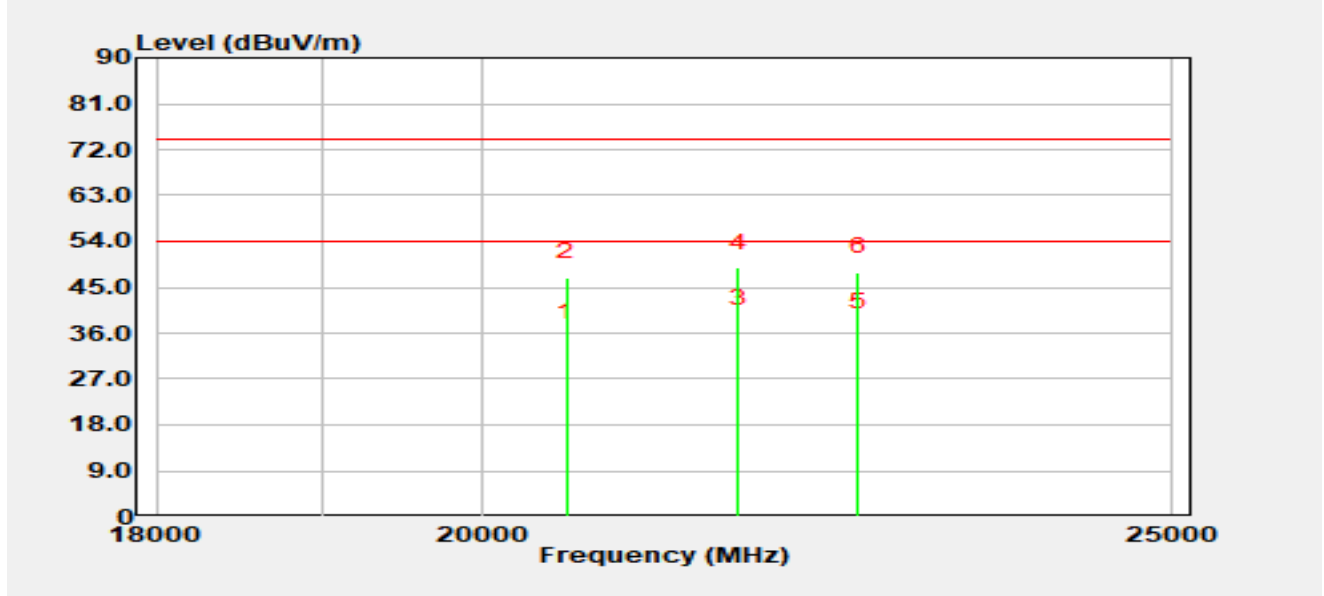


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	21691.80	42.66	-4.90	37.76	-16.24	54.00	Average
2		21691.80	52.93	-4.90	48.02	-25.98	74.00	Peak
3		23238.80	41.26	-4.06	37.20	-16.80	54.00	Average
4		23238.80	52.20	-4.06	48.14	-25.86	74.00	Peak
5		24785.80	40.26	-3.55	36.71	-17.29	54.00	Average
6		24785.80	51.02	-3.55	47.47	-26.53	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 3

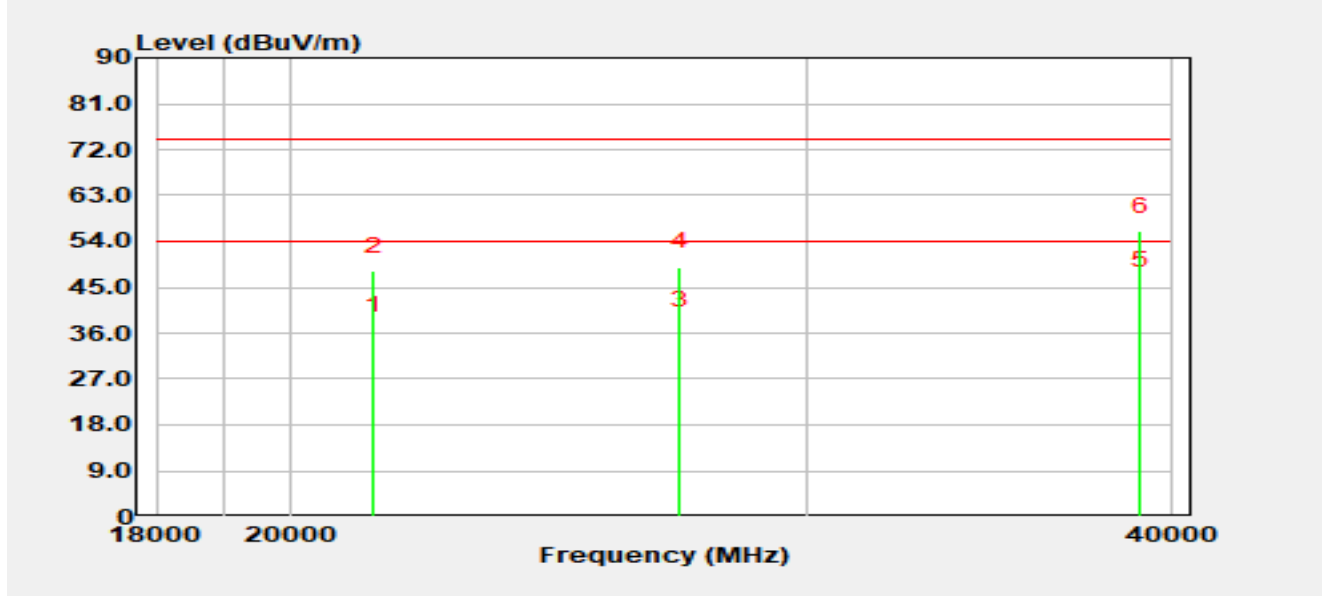


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		20550.80	42.69	-7.42	35.27	-18.73	54.00	Average
2		20550.80	54.44	-7.42	47.02	-26.98	74.00	Peak
3	*	21726.80	42.62	-4.70	37.92	-16.08	54.00	Average
4		21726.80	53.58	-4.70	48.88	-25.12	74.00	Peak
5		22584.30	41.62	-4.31	37.31	-16.69	54.00	Average
6		22584.30	52.32	-4.31	48.02	-25.98	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 4

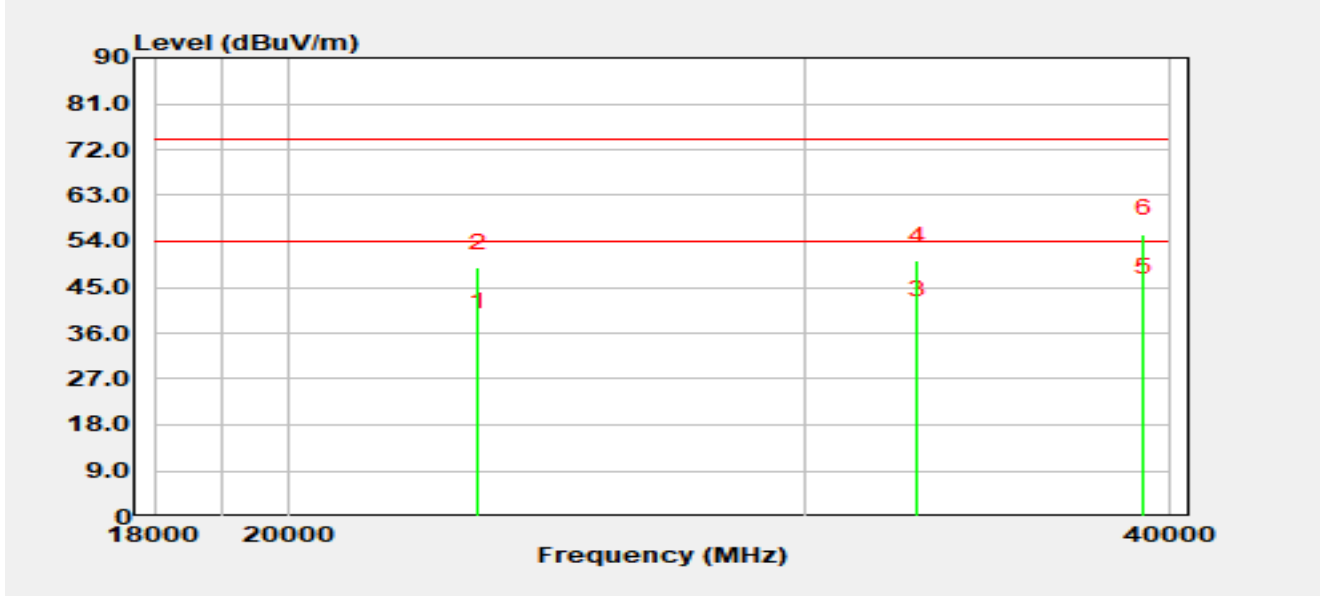


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		21357.20	42.21	-5.60	36.61	-37.39	74.00	Average
2		21357.20	53.79	-5.60	48.19	-25.81	74.00	Peak
3		27149.80	41.24	-3.79	37.45	-16.55	54.00	Average
4		27149.80	52.75	-3.79	48.96	-25.04	74.00	Peak
5	*	38981.40	42.62	2.83	45.45	-8.55	54.00	Average
6		38981.40	53.10	2.83	55.93	-18.07	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 4

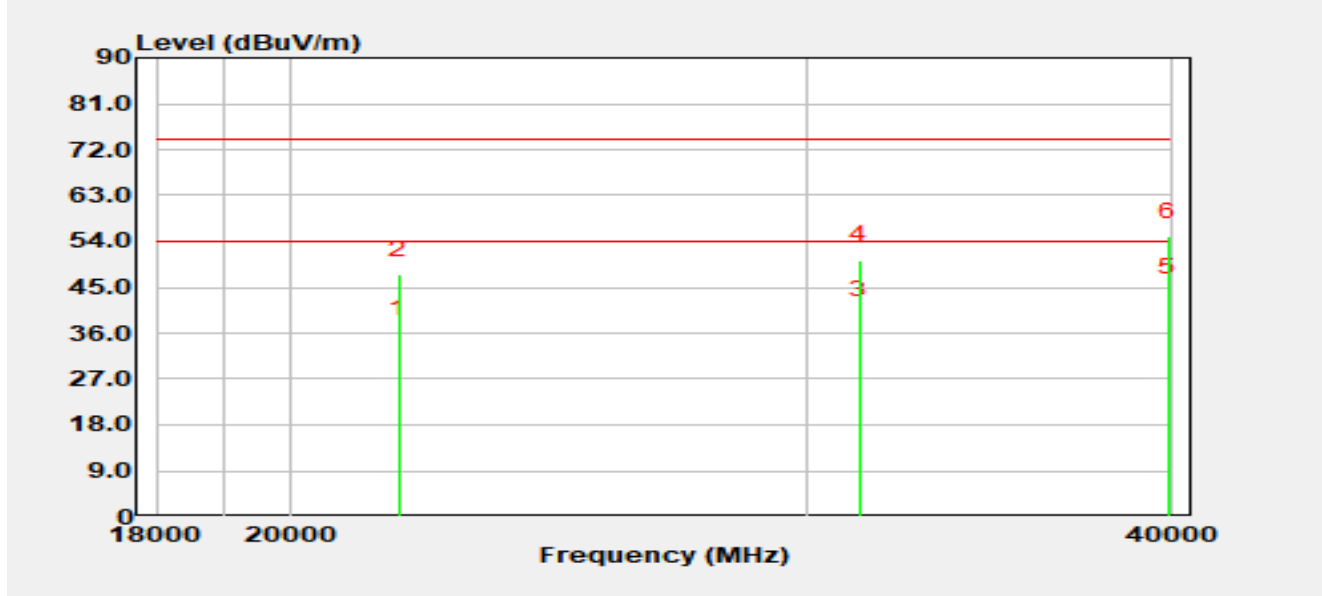


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		23216.20	41.22	-4.17	37.05	-16.95	54.00	Average
2		23216.20	52.96	-4.17	48.79	-25.21	74.00	Peak
3		32797.20	42.21	-2.52	39.69	-14.31	54.00	Average
4		32797.20	52.78	-2.52	50.26	-23.74	74.00	Peak
5	*	39170.60	41.06	2.77	43.83	-10.17	54.00	Average
6		39170.60	52.75	2.77	55.52	-18.48	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Horizontal
Model No.	OAW-AP1501	Test Mode	Mode 5

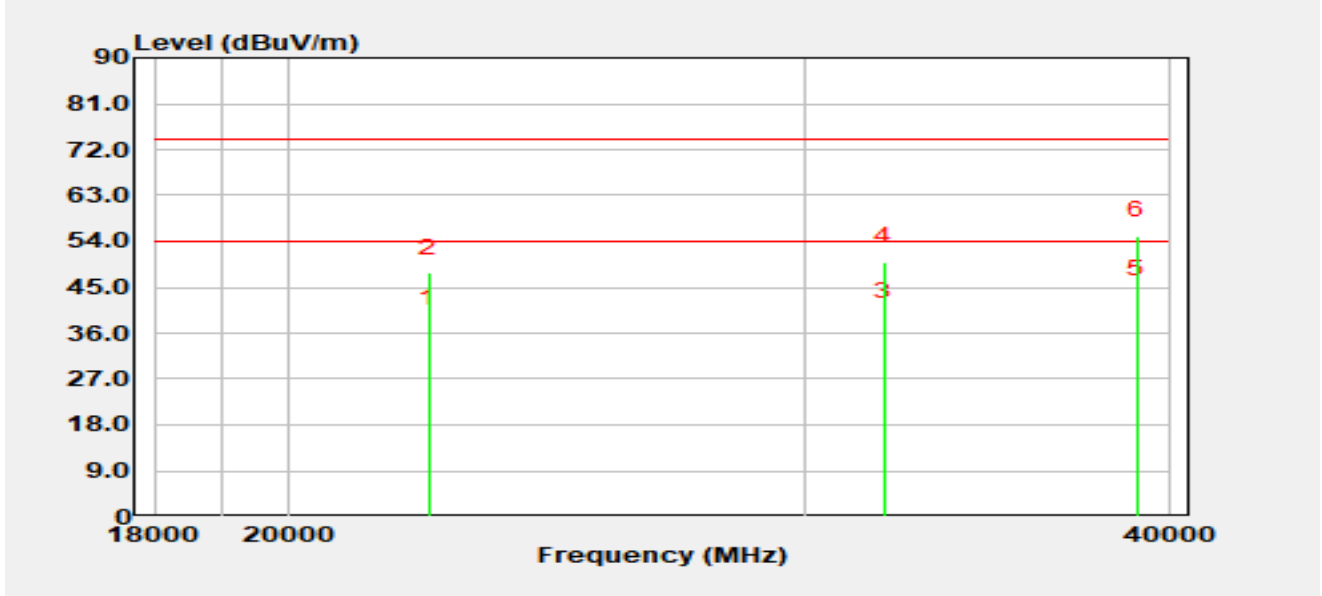


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		21784.00	41.06	-5.10	35.96	-18.04	54.00	Average
2		21784.00	52.60	-5.10	47.51	-26.49	74.00	Peak
3		31263.80	42.66	-2.98	39.68	-14.32	54.00	Average
4		31263.80	53.28	-2.98	50.30	-23.70	74.00	Peak
5	*	39846.00	40.55	3.54	44.09	-9.91	54.00	Average
6		39846.00	51.45	3.54	54.99	-19.01	74.00	Peak

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WJ-AC2	Test Date	2025-11-17
Temperature	23.5°C	Humidity	48.3%
Limit	FCC_Part 15.109_RE (3m)_Class B	Test Engineer	Bob Zhang
Test Voltage	AC 120V/60Hz	Polarity	Vertical
Model No.	OAW-AP1501	Test Mode	Mode 5



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		22323.00	42.26	-4.41	37.85	-16.15	54.00	Average
2		22323.00	52.22	-4.41	47.81	-26.19	74.00	Peak
3		31939.20	41.62	-2.47	39.15	-14.85	54.00	Average
4		31939.20	52.43	-2.47	49.96	-24.04	74.00	Peak
5	*	38977.00	40.95	2.74	43.69	-10.31	54.00	Average
6		38977.00	52.44	2.74	55.18	-18.82	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m)+ Cable Loss (dB) -AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Appendix A - Test Setup Photograph

Refer to "R25S1071098-UT" file.

Appendix B - EUT Photograph

Refer to "R25S1071098-UE" file.

The End