

TEST REPORT

Applicant: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue,
Hong Kong Science Park, Shatin, NT, Hong Kong
Equipment Type: Tablet PC
Model Name: 8483A
Brand Name: TCL
FCC ID: 2ACCJB241
Test Standard: 47 CFR Part 15 Subpart B
ANSI C63.4-2014
Sample Arrival Date: Apr. 28, 2025
Test Date: May. 06, 2025
Date of Issue: Jun. 10, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Li JunFeng**Checked by:** Liu Zhenxiang**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 10, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.2 Manufacturer Information

Manufacturer	TCL Communication Ltd.
Address	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

2.3 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	8483A
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	05
Software Version	7MS4
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	N/A
	Model No.	2853B7PL-2P
	Serial No.	N/A
	Capacitance	Rated: 5820mAh, 22.41Wh Typical: 6000mAh, 23.10Wh
	Rated Voltage	3.85 Vdc
	Limited Voltage	4.40 Vdc
	Manufacturer	HUNAN GAOYUAN BATTERY Co., Ltd.
Ancillary Equipment 2	Power Supply Unit 1	
	Brand Name	N/A
	Model No.	UT-681E-5200MY (EU Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.35A
	Rated Output	5.0VDC, 2.0A, 10.0W

	Manufacturer	Shenzhen Baijunda Electronic Co., Ltd
Ancillary Equipment 3	Power Supply Unit 2	
	Brand Name	N/A
	Model No.	UC13EU (EU Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.5A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	HUIZHOU PUAN ELECTRONICS CO., LTD.
Ancillary Equipment 4	Power Supply Unit 3	
	Brand Name	N/A
	Model No.	UT-681B-5200MY (UK Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.35A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	Shenzhen Baijunda Electronic Co., Ltd
Ancillary Equipment 5	Power Supply Unit 4	
	Brand Name	N/A
	Model No.	UC13UK (UK Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.5A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	HUIZHOU PUAN ELECTRONICS CO., LTD.
Ancillary Equipment 6	Power Supply Unit 5	
	Brand Name	N/A
	Model No.	UT-681A-5200MY (US Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.35A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	Shenzhen Baijunda Electronic Co., Ltd
Ancillary Equipment 7	Power Supply Unit 6	
	Brand Name	N/A
	Model No.	UC13US (US Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.5A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	HUIZHOU PUAN ELECTRONICS CO., LTD.
Ancillary Equipment 8	Power Supply Unit 7	
	Brand Name	N/A
	Model No.	UT-680S-5200MY (AU Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.35A

	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	Shenzhen Baijunda Electronic Co., Ltd
Ancillary Equipment 9	Power Supply Unit 8	
	Brand Name	N/A
	Model No.	UC13THA (TH Plug)
	Serial No.	N/A
	Rated Input	100-240VAC, 50/60Hz, 0.5A
	Rated Output	5.0VDC, 2.0A, 10.0W
	Manufacturer	HUIZHOU PUAN ELECTRONICS CO., LTD.
Ancillary Equipment 10	USB Cable 1	
	Model No.	CDA0000123C1
	Length (Approx.)	0.8 m
Ancillary Equipment 11	USB Cable 2	
	Model No.	CDA0000123C8
	Length (Approx.)	0.8 m

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n HT20, 802.11n HT40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80)
Classification of equipment	Class B

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart B	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

3.2 Verdict

No.	Description	FCC Rule	Test Verdict	Remark
1	Radiated Emission	15.109	Pass	--
2	Conducted Emission, AC Ports	15.107	Pass	--

3.3 Test Uncertainty

The following measurement 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 $k=2$.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	3.2 dB
Radiated emissions (30 MHz-1 GHz)-966#2	4.4 dB
Radiated emissions (1 GHz-18 GHz)-966#2	5.0 dB

4 GENERAL TEST CONFIGURATIONS

4.1 Test Enclosure List

Description	Manufacturer	Model	Serial No.	Length	Description	Use
Laptop	Lenovo	ThinkPad E495	N/A	N/A	N/A	☒
Data connector	UGREEN	40702	N/A	N/A	N/A	☒
USB disk	Sandisk	DTMC3G2	N/A	N/A	64G	☒
Headset	OPPO	N/A	N/A	1.12m	N/A	☒
Laptop	HONOR	N/A	N/A	N/A	N/A	☒
Type-C Headset	OPPO	MH156	N/A	1.12m	N/A	☒

4.2 Test Configurations

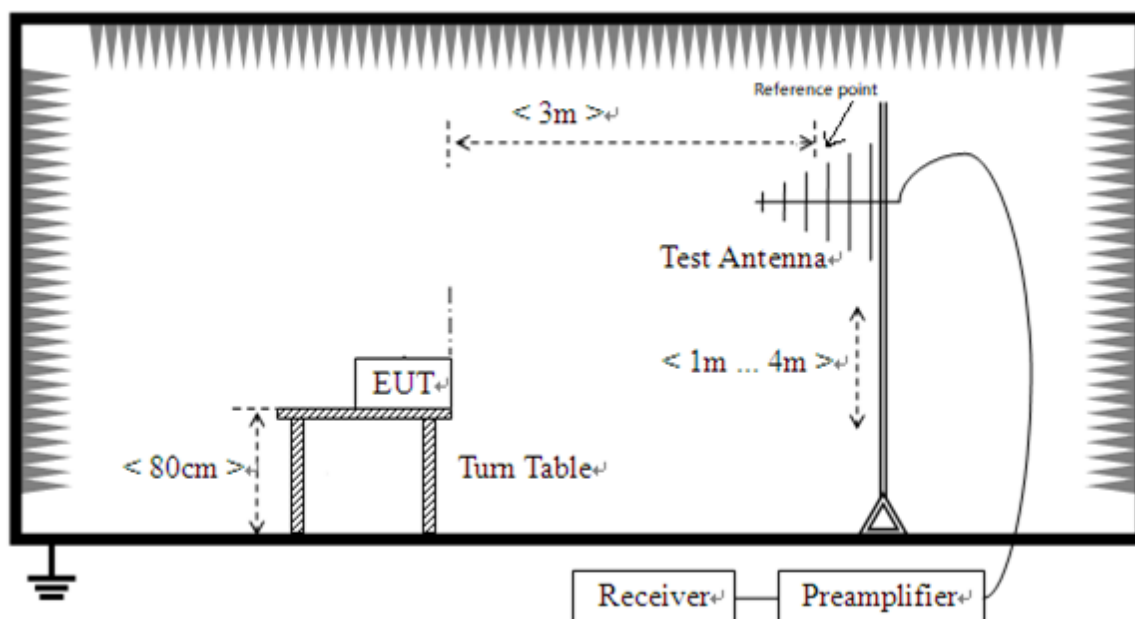
All test modes of EUT are listed in the table below.

Test Mode Configuration	Description
Mode 1	<u>The Front Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset
Mode 2	<u>The Rear Camera Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset
Mode 3	<u>The Video Play Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset
Mode 4	<u>The Charging Test Mode</u> EUT + Adapter + USB Cable + Battery + Headset
Mode 5	<u>The USB Test Mode</u> EUT + USB Cable + Battery + Laptop + Headset
Mode 6	<u>The OTG Test Mode</u> EUT + Battery + Data connector + USB Disk + Headset
Mode 7	<u>The Type-C Headset Test Mode</u> EUT + Type-C Headset + Battery

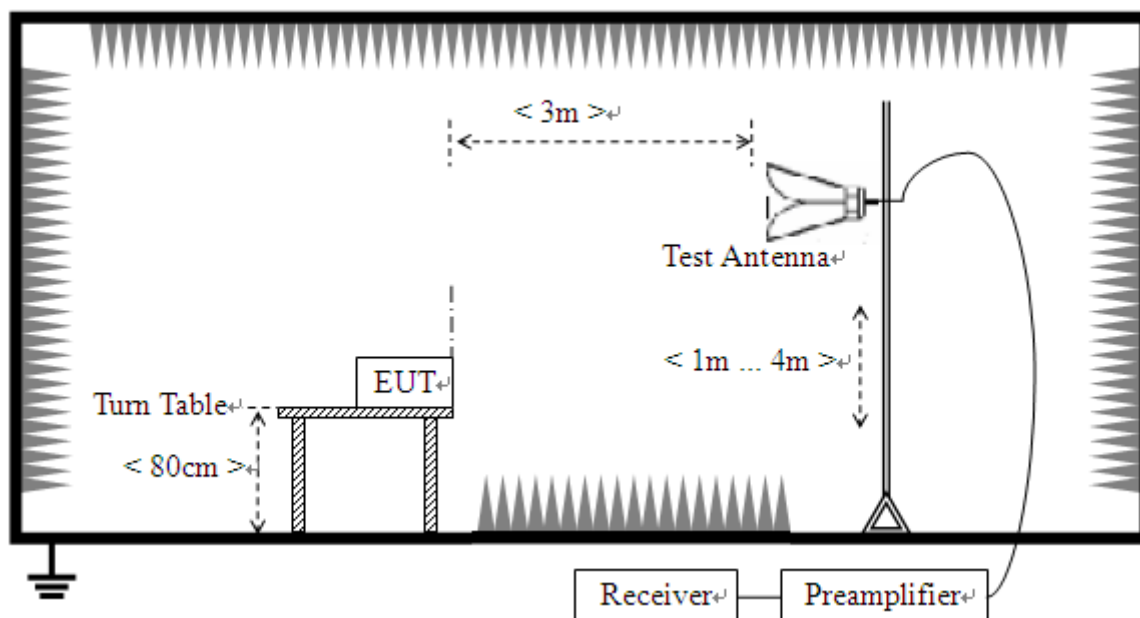
Test Case	Test Mode Configuration	Worst Mode
Radiated Emission	Mode 1~Mode 7	3, 5
Conducted Emission, AC Ports	Mode 1~Mode 5	4, 5
Note: All operation modes were tested, but only test data of the worst mode was presented in this report.		

4.3 Test Setups

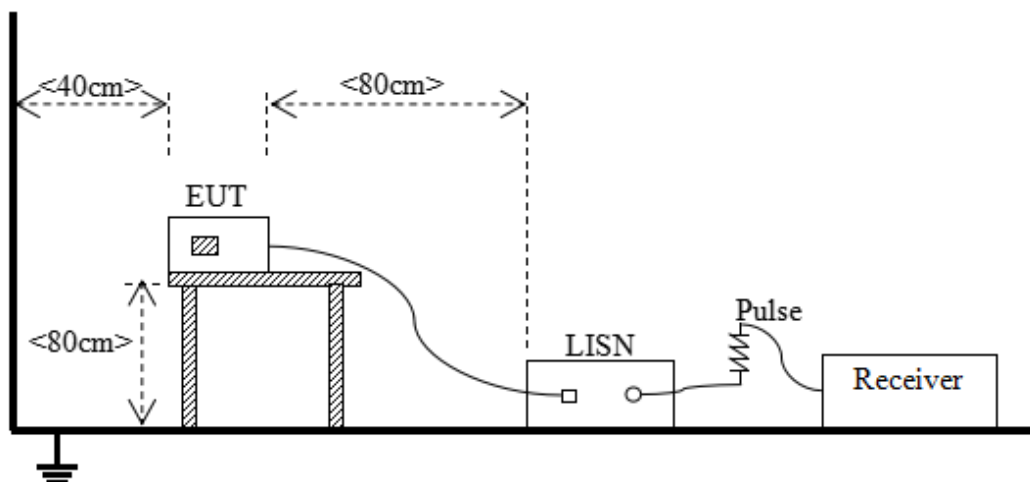
Test Setup 1



Radiated Emission (30 MHz-1 GHz)



Radiated Emission (above 1 GHz)

Test Setup 2

Conducted Emissions, AC Ports

5 TEST ITEMS

5.1 Emission Tests

5.1.1 Radiated Emission

5.1.1.1 Limit

Frequency range (MHz)	Class B (at 3 m)		Class A (at 3 m)
	Field Strength ($\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)	Field Strength (dB $\mu\text{V/m}$)
30 - 88	100	40	49.5
88 - 216	150	43.5	54
216 - 960	200	46	56.9
Above 960	500	54	60
NOTE: 1) Field Strength (dB $\mu\text{V/m}$) = $20 \cdot \log [\text{Field Strength } (\mu\text{V/m})]$. 2) In the emission tables above, the tighter limit applies at the band edges. 3) For 30 MHz to 1000 MHz, the CISPR quasi-peak is employed.			

For above 1000 MHz, according to the requirements of FCC 15.35, unless otherwise specified, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

Frequency range (GHz)	Class B (at 3 m)			Class A (at 3 m)	
	Field Strength ($\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)	Field Strength Average (dB $\mu\text{V/m}$)	Field Strength Peak (dB $\mu\text{V/m}$)
1 - F_M	500	54	74	60	80
Note 1: The highest measurement frequency, F_M , in GHz, shall be determined as next Table. Note 2: Average Class A limit at 3m L_{3m} is determined by the following conversion formula: $L_{3m} = L_{10m} + 20 \cdot \log(d_{10m}/d_{3m})$ Where: L_{3m} is Average Class A limit at 3m; L_{10m} is Average Class A limit at 10m; d_{10m} is Measurement distance in 10m; d_{3m} is Measurement distance in 3m. For this case: $L_{3m} = 49.5 + 20 \cdot \log(10/3) = 60$ (dB $\mu\text{V/m}$).					

Highest internal frequency (F_X)	Highest measurement frequency (F_M)
$F_X \leq 108 \text{ MHz}$	1 GHz
$108 \text{ MHz} \leq F_X \leq 500 \text{ MHz}$	2 GHz
$500 \text{ MHz} \leq F_X \leq 1 \text{ GHz}$	5 GHz
$F_X \geq 1 \text{ GHz}$	$5 * F_X$ or 40 GHz, whichever is lower.
Note: F_X is Highest frequency generated or used in the device or on which the device operates or tunes.	

5.1.1.2 Test Setup

Refer to 4.3 section (test setup 1) for radiated emission test, the photo of test setup please refer to ANNEX B.

5.1.1.3 Test Procedure

All Radiated Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

The measurement frequency range is from 30 MHz to the 5th harmonic of the maximum frequency of the EUT internal source. The Turn Table is actuated to turn from 0° to 360° , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1 \text{ GHz}$, 100 kHz for $f < 1 \text{ GHz}$

VBW $\geq$ RBW

Sweep = auto

Detector function = peak for $f < 1 \text{ GHz}$, peak & RMS Average for $f \geq 1 \text{ GHz}$

Trace = max hold

5.1.1.4 Test Result and Test Equipment List

Please refer to ANNEX A.1.

NOTE:

1. Results (dB μ V/m) = Reading (dB μ V) + Factor (dB/m)

The reading level is calculated by software which is not shown in the sheet

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Margin = Limit - Results

5.1.2 Conducted Emission, AC Ports

5.1.2.1 Test Limit

Frequency range (MHz)	Class A	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	79	66
0.50 - 30	73	60

Frequency range (MHz)	Class B	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- 1) The lower limit shall apply at the band edges.
- 2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50 MHz.

5.1.2.2 Test Setup

Refer to 4.3 section test (test setup 2) for conducted emission, the photo of test setup please refer to ANNEX B.

5.1.2.3 Test Procedure

The EUT is connected to the power mains through a LISN which provides 50 Ω /50 μ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

Use the following spectrum analyzer settings:

RBW = 9 kHz

VBW $\geq$ RBW

Sweep = 10ms

Detector function = peak & Average

Trace = max hold

5.1.2.4 Test Result and Test Equipment List

Please refer to ANNEX A.2.

NOTE:

1. Results (dB μ V) = Reading (dB μ V) + Factor (dB)

The reading level is calculated by software which is not shown in the sheet

2. Factor = Insertion loss + Cable loss

3. Margin = Limit - Results

ANNEX A TEST RESULTS

A.1 Radiated Emission

Note 1: The symbol of “--” in the table which means not application.

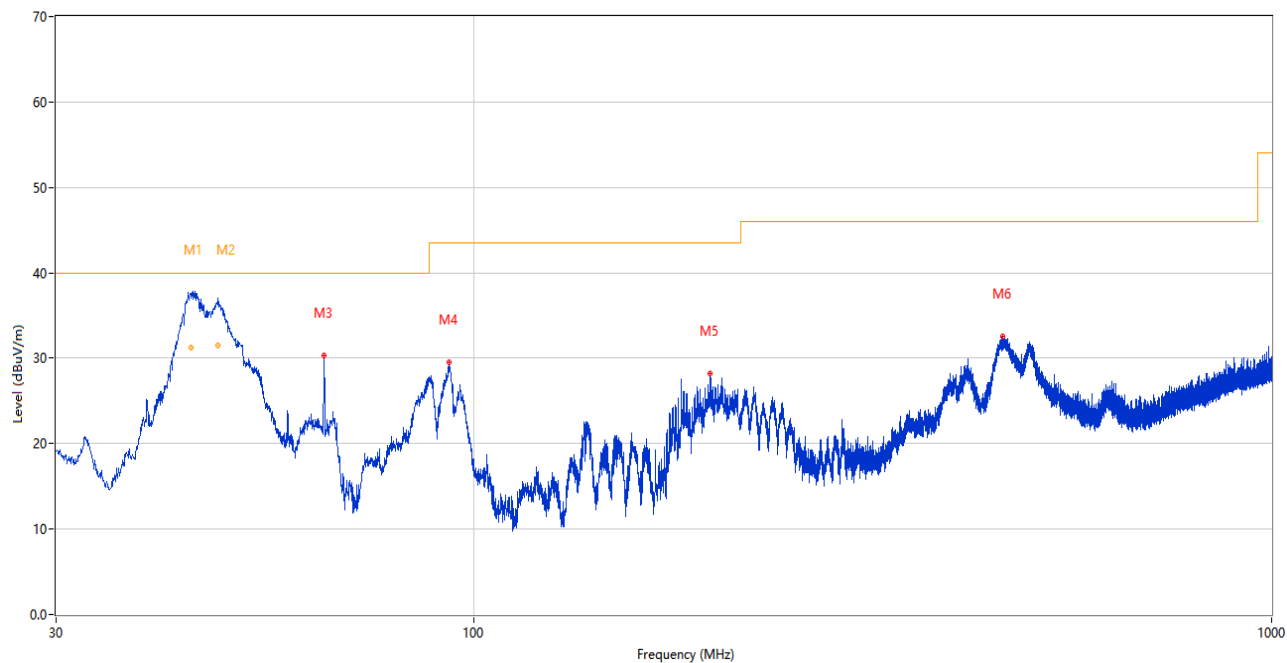
Note 2: For the test data above 1 GHz, according the ANSI C63.4-2014, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The Radiated Emission is required to be investigated to the upper frequency of 5th harmonic of the highest internal frequency of EUT or 40 GHz, whichever is lower. The test results above 18GHz are only noise and are not recorded in the report

Sample No.	S19	Temperature	22.7℃
Humidity	49%RH	Pressure	101kPa
Test Engineer	Chen Jingran	Test Date	2025.05.06

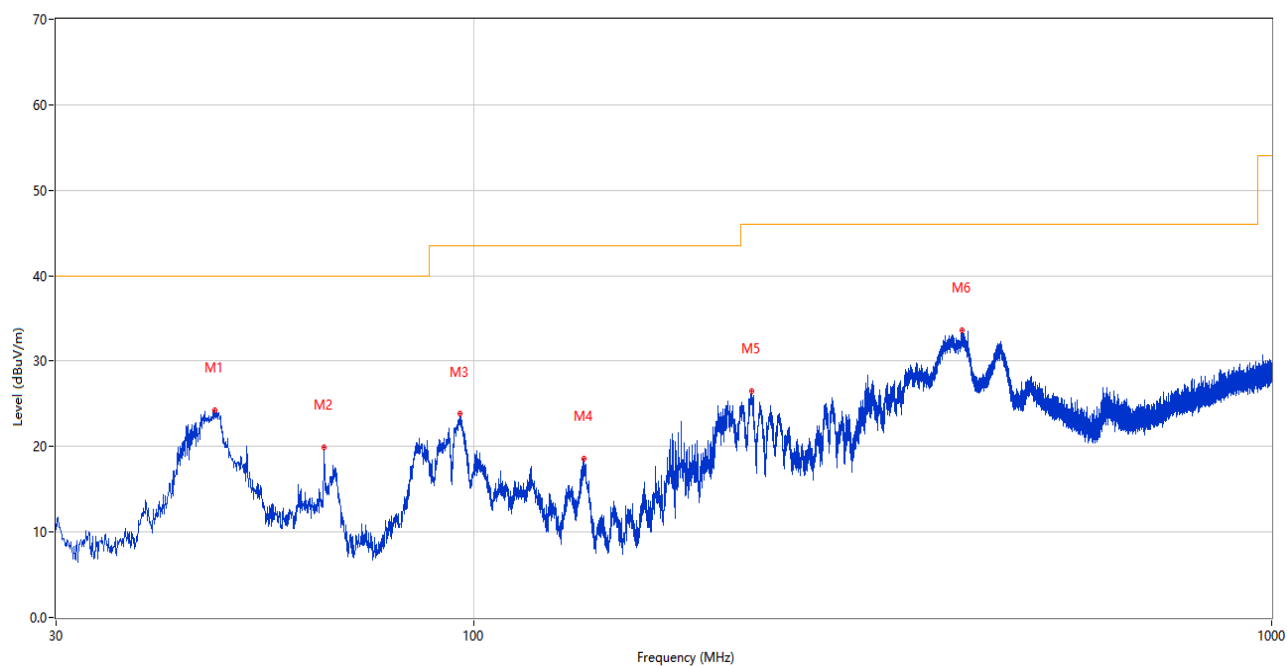
Test Mode 3

1) Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	44.320	36.62	-26.29	40.0	3.38	Peak	128.00	101	Vertical	N/A
1*	44.320	31.26	-26.29	40.0	8.74	QP	128.00	101	Vertical	Pass
2	47.866	35.04	-24.86	40.0	4.96	Peak	177.00	102	Vertical	N/A
2*	47.866	31.57	-24.86	40.0	8.43	QP	177.00	102	Vertical	Pass
3	65.017	30.31	-26.77	40.0	9.69	Peak	1.00	100	Vertical	Pass
4	93.099	29.48	-27.81	43.5	14.02	Peak	219.00	100	Vertical	Pass
5	198.101	28.24	-26.30	43.5	15.26	Peak	226.00	100	Vertical	Pass
6	460.922	32.58	-19.60	46.0	13.42	Peak	167.00	100	Vertical	Pass

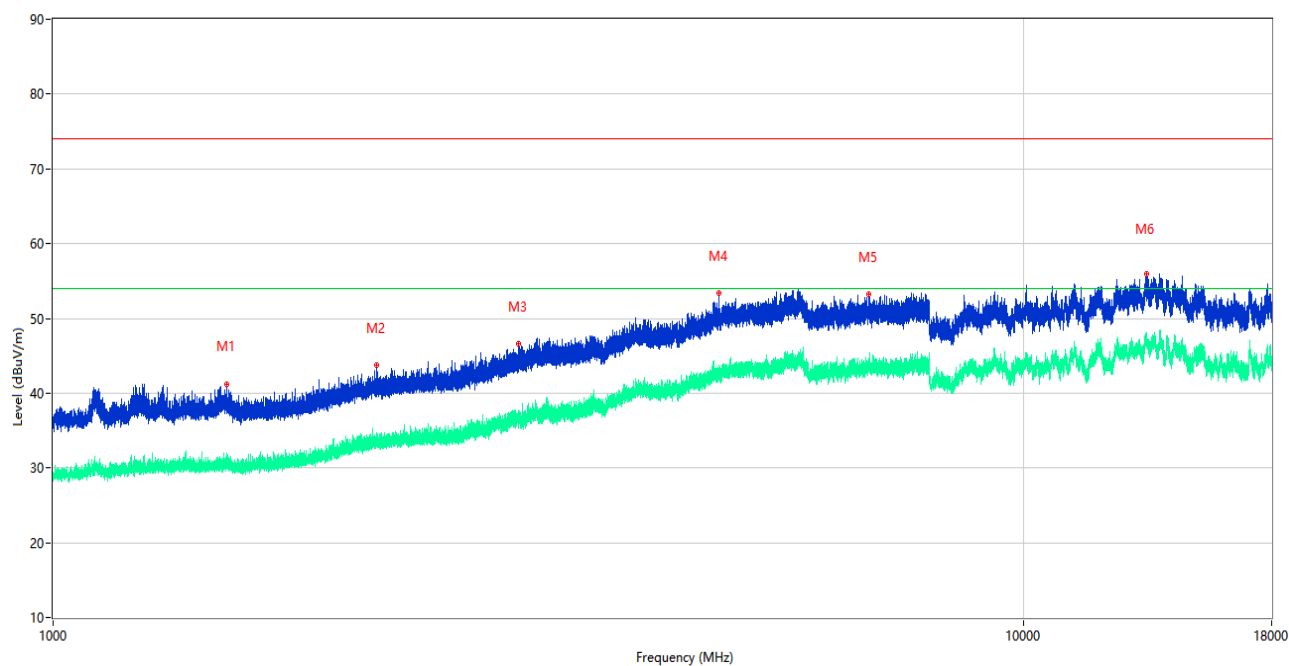
2) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.411	24.25	-25.36	40.0	15.75	Peak	138.00	100	Horizontal	Pass
2	65.017	19.89	-26.77	40.0	20.11	Peak	7.00	200	Horizontal	Pass
3	96.251	23.80	-27.43	43.5	19.70	Peak	127.00	200	Horizontal	Pass
4	137.379	18.56	-30.29	43.5	24.94	Peak	316.00	200	Horizontal	Pass
5	222.885	26.46	-26.06	46.0	19.54	Peak	200.00	200	Horizontal	Pass
6	409.513	33.62	-20.67	46.0	12.38	Peak	88.00	100	Horizontal	Pass

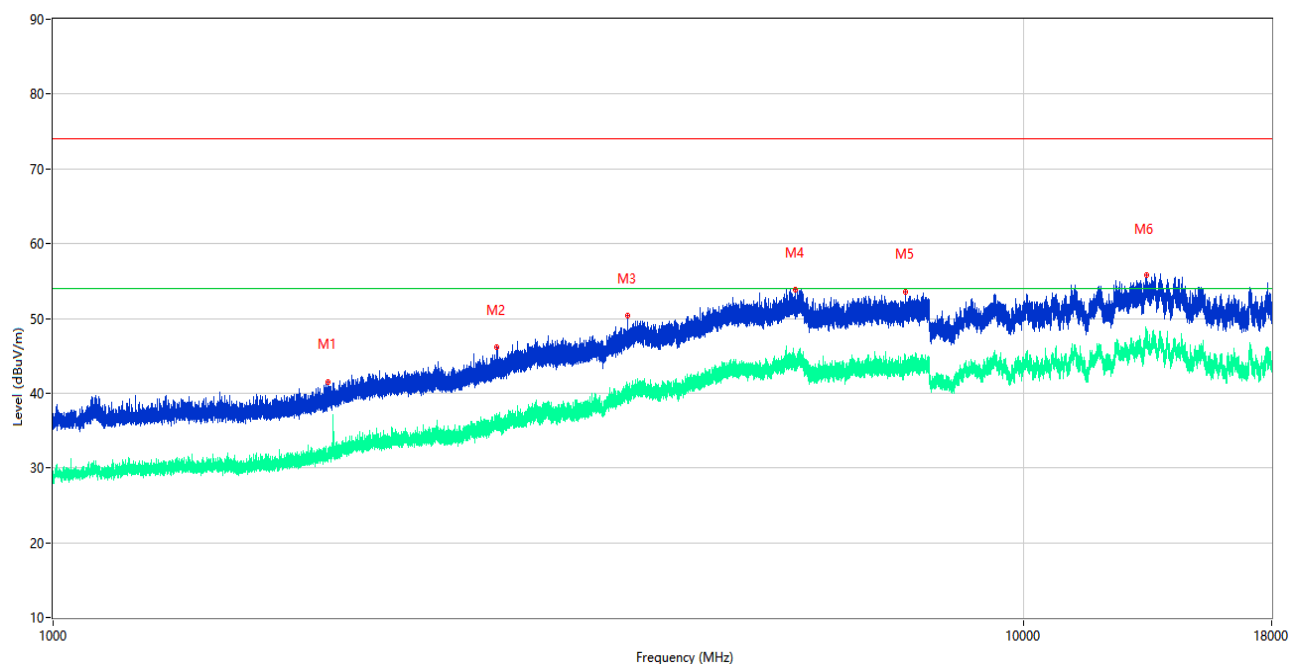
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	00883	2025.03.23	2028.03.22	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

3) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1510.770	41.26	-15.41	74.0	32.74	Peak	130.00	100	Vertical	Pass
1**	1510.770	30.60	-15.41	54.0	23.40	AV	130.00	100	Vertical	Pass
2	2151.540	43.77	-12.29	74.0	30.23	Peak	96.00	100	Vertical	Pass
2**	2151.540	34.12	-12.29	54.0	19.88	AV	96.00	100	Vertical	Pass
3	3013.440	46.56	-7.47	74.0	27.44	Peak	277.00	100	Vertical	Pass
3**	3013.440	37.75	-7.47	54.0	16.25	AV	277.00	100	Vertical	Pass
4	4850.040	53.40	0.62	74.0	20.60	Peak	16.00	100	Vertical	Pass
4**	4850.040	42.53	0.62	54.0	11.47	AV	16.00	100	Vertical	Pass
5	6921.780	53.17	-0.34	74.0	20.83	Peak	350.00	100	Vertical	Pass
5**	6921.780	43.91	-0.34	54.0	10.09	AV	350.00	100	Vertical	Pass
6	13368.001	55.91	5.11	74.0	18.09	Peak	124.00	100	Vertical	Pass
6**	13368.001	47.62	5.11	54.0	6.38	AV	124.00	100	Vertical	Pass

4) Test Antenna Horizontal, 1 GHz – 18 GHz

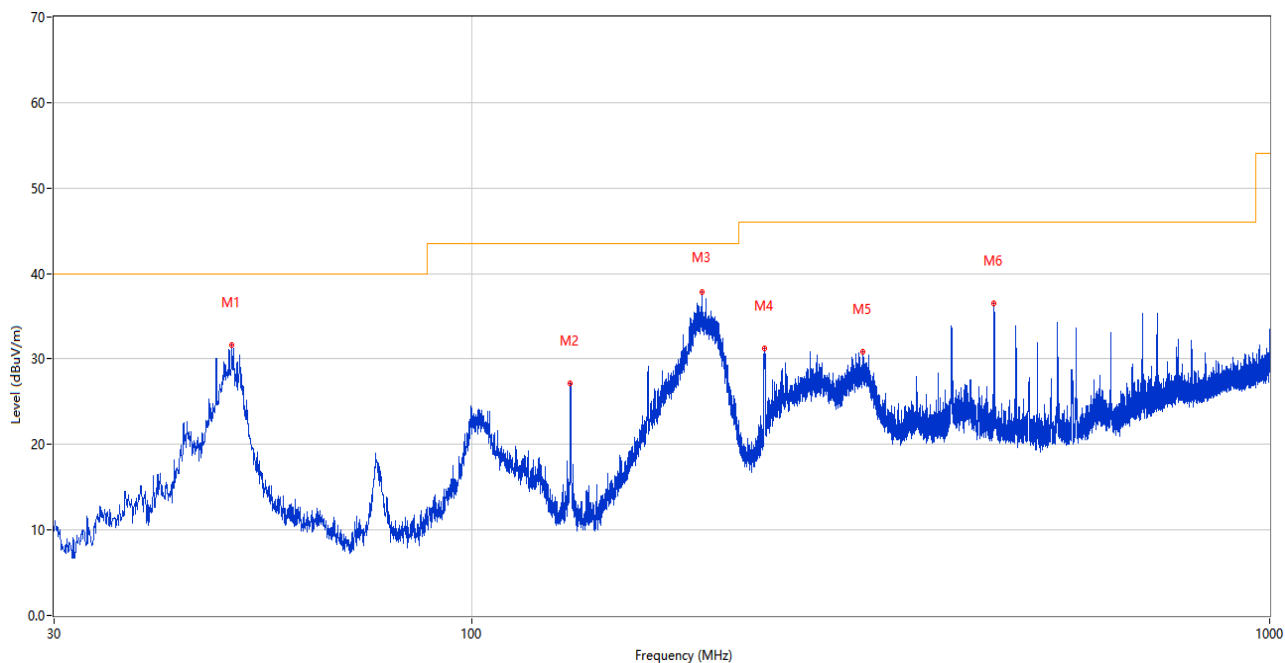


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1918.060	41.48	-14.12	74.0	32.52	Peak	75.00	100	Horizontal	Pass
1**	1918.060	31.75	-14.12	54.0	22.25	AV	75.00	100	Horizontal	Pass
2	2867.060	46.21	-7.87	74.0	27.79	Peak	350.00	100	Horizontal	Pass
2**	2867.060	35.90	-7.87	54.0	18.10	AV	350.00	100	Horizontal	Pass
3	3903.820	50.31	-2.53	74.0	23.69	Peak	168.00	100	Horizontal	Pass
3**	3903.820	39.97	-2.53	54.0	14.03	AV	168.00	100	Horizontal	Pass
4	5809.240	53.81	1.94	74.0	20.19	Peak	344.00	100	Horizontal	Pass
4**	5809.240	43.46	1.94	54.0	10.54	AV	344.00	100	Horizontal	Pass
5	7551.640	53.59	0.76	74.0	20.41	Peak	49.00	100	Horizontal	Pass
5**	7551.640	43.93	0.76	54.0	10.07	AV	49.00	100	Horizontal	Pass
6	13366.000	55.79	5.13	74.0	18.21	Peak	194.00	100	Horizontal	Pass
6**	13366.000	46.94	5.13	54.0	7.06	AV	194.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2024.11.28	2025.11.27	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

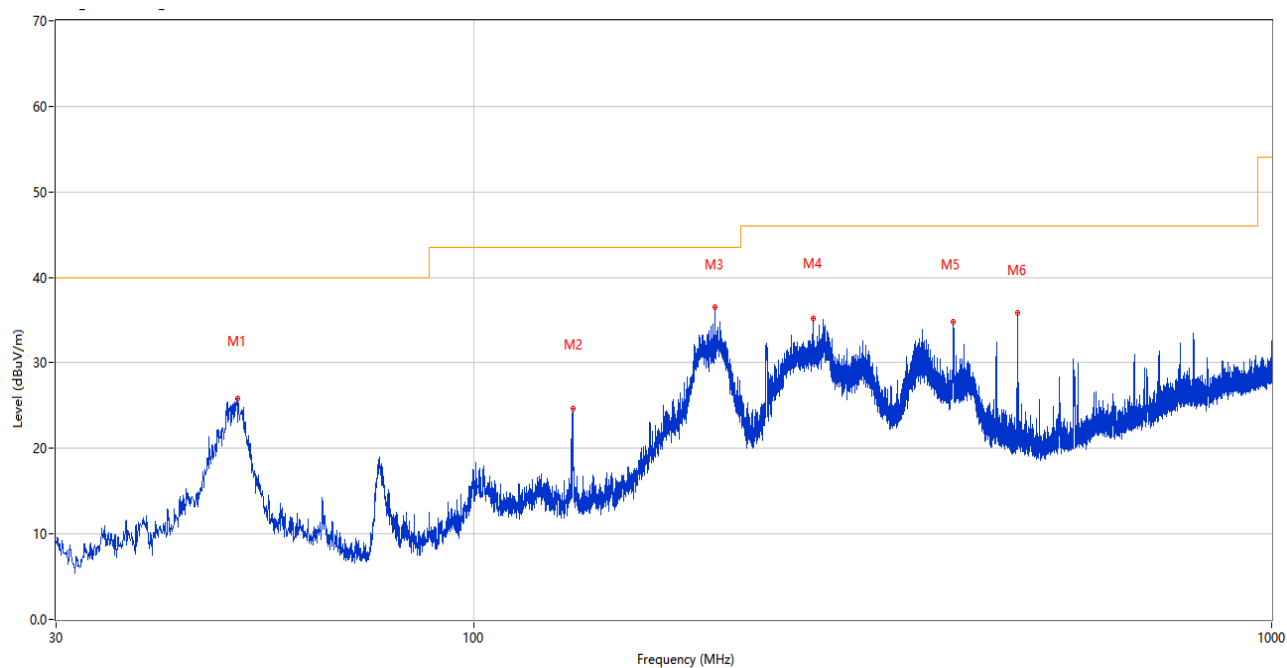
Test Mode 5

5) Test Antenna Vertical, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.127	31.64	-25.57	40.0	8.36	Peak	252.00	100	Vertical	Pass
2	132.917	27.13	-29.93	43.5	16.37	Peak	69.00	100	Vertical	Pass
3	194.609	37.87	-26.72	43.5	5.63	Peak	187.00	100	Vertical	Pass
4	233.264	31.28	-25.41	46.0	14.72	Peak	307.00	200	Vertical	Pass
5	308.972	30.86	-23.37	46.0	15.14	Peak	331.00	200	Vertical	Pass
6	451.805	36.50	-19.84	46.0	9.50	Peak	147.00	100	Vertical	Pass

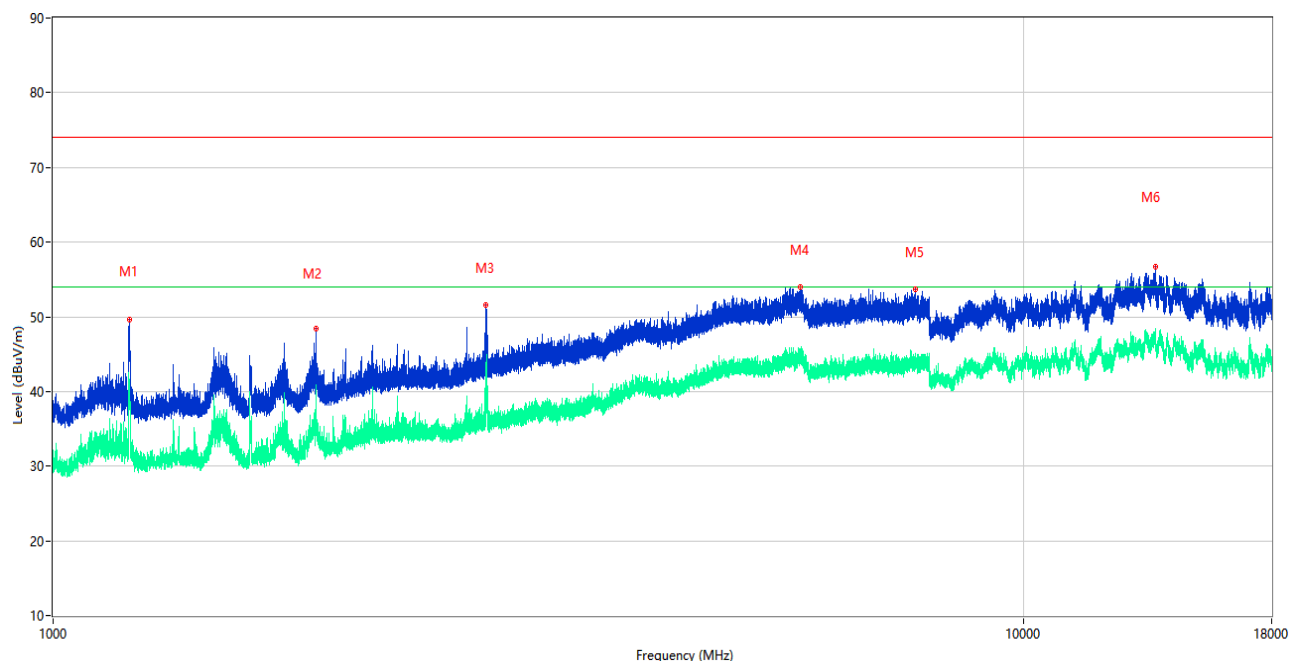
6) Test Antenna Horizontal, 30 MHz – 1 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	50.612	25.83	-25.20	40.0	14.17	Peak	164.00	200	Horizontal	Pass
2	133.111	24.61	-29.98	43.5	18.89	Peak	112.00	200	Horizontal	Pass
3	200.720	36.51	-26.32	43.5	6.99	Peak	328.00	100	Horizontal	Pass
4	266.389	35.22	-24.76	46.0	10.78	Peak	61.00	100	Horizontal	Pass
5	398.649	34.74	-21.08	46.0	11.26	Peak	276.00	100	Horizontal	Pass
6	479.983	35.89	-19.17	46.0	10.11	Peak	138.00	100	Horizontal	Pass

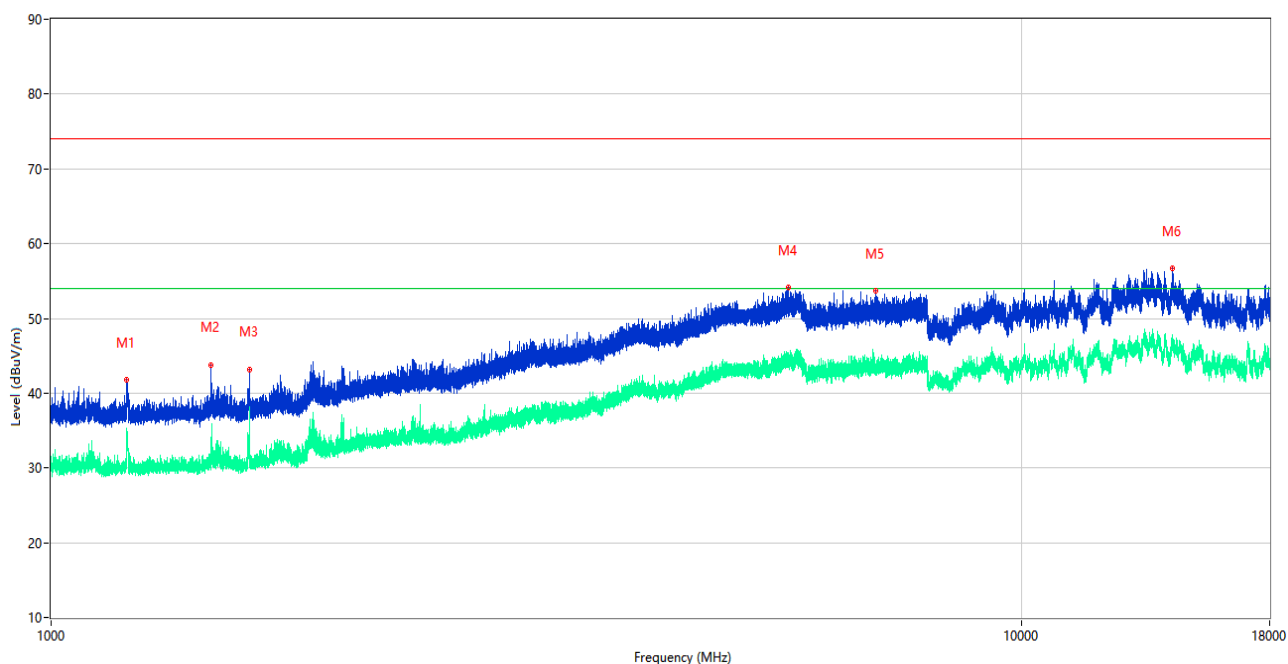
Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Below 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (30-1GHz)	COM-MV	ZT30-1000M	B2017119081	2024.11.28	2025.11.27	☒
Test Antenna- Bi-Log	SCHWARZB ECK	VULB 9168	00883	2025.03.23	2028.03.22	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

7) Test Antenna Vertical, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.730	49.55	-15.76	74.0	24.45	Peak	230.00	100	Vertical	Pass
1**	1197.730	39.81	-15.76	54.0	14.19	AV	230.00	100	Vertical	Pass
2	1864.110	48.42	-14.38	74.0	25.58	Peak	27.00	100	Vertical	Pass
2**	1864.110	35.60	-14.38	54.0	18.40	AV	27.00	100	Vertical	Pass
3	2791.400	51.55	-8.51	74.0	22.45	Peak	164.00	100	Vertical	Pass
3**	2791.400	41.50	-8.51	54.0	12.50	AV	164.00	100	Vertical	Pass
4	5880.520	53.94	2.38	74.0	20.06	Peak	202.00	100	Vertical	Pass
4**	5880.520	45.26	2.38	54.0	8.74	AV	202.00	100	Vertical	Pass
5	7733.800	53.63	0.53	74.0	20.37	Peak	127.00	100	Vertical	Pass
5**	7733.800	44.02	0.53	54.0	9.98	AV	127.00	100	Vertical	Pass
6	13651.000	56.74	5.10	74.0	17.26	Peak	26.00	100	Vertical	Pass
6**	13651.000	47.07	5.10	54.0	6.93	AV	26.00	100	Vertical	Pass

8) Test Antenna Horizontal, 1 GHz – 18 GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.080	41.80	-15.78	74.0	32.20	Peak	258.00	100	Horizontal	Pass
1**	1197.080	33.66	-15.78	54.0	20.34	AV	258.00	100	Horizontal	Pass
2	1462.410	43.80	-15.54	74.0	30.20	Peak	225.00	100	Horizontal	Pass
2**	1462.410	32.47	-15.54	54.0	21.53	AV	225.00	100	Horizontal	Pass
3	1599.690	43.18	-15.65	74.0	30.82	Peak	168.00	100	Horizontal	Pass
3**	1599.690	32.73	-15.65	54.0	21.27	AV	168.00	100	Horizontal	Pass
4	5741.260	54.19	1.21	74.0	19.81	Peak	252.00	100	Horizontal	Pass
4**	5741.260	45.11	1.21	54.0	8.89	AV	252.00	100	Horizontal	Pass
5	7067.420	53.74	-0.54	74.0	20.26	Peak	270.00	100	Horizontal	Pass
5**	7067.420	42.90	-0.54	54.0	11.10	AV	270.00	100	Horizontal	Pass
6	14299.000	56.66	5.09	74.0	17.34	Peak	296.00	100	Horizontal	Pass
6**	14299.000	46.65	5.09	54.0	7.35	AV	296.00	100	Horizontal	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
Frequency Above 1 GHz						
EMI Receiver	Keysight	N9038A	MY55330120	2024.08.01	2025.07.31	☒
Amplifier (1-12GHz)	Advanced Microwave	WLA652A	1740103	2024.11.28	2025.11.27	☒
Amplifier (0.8-21GHz)	Mini-Circuits	ZVA-213-S+	225321316	2024.11.28	2025.11.27	☒
Test Antenna- Horn	SCHWARZB ECK	BBHA 9120D	01917	2022.06.09	2025.06.08	☒
Anechoic Chamber (#2)	YiHeng	9m*6m*6m	142	2024.07.21	2027.07.20	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

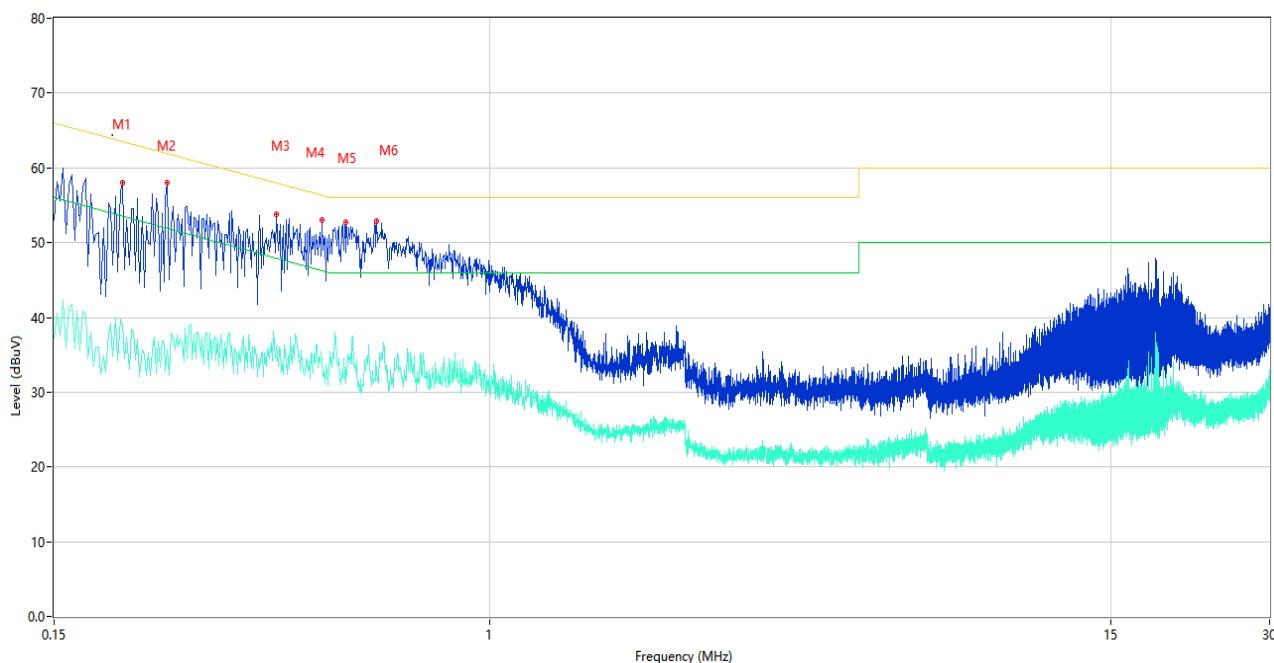
A.2 Conducted Emission, AC Ports

Note: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Sample No.	S18	Temperature	22.7°C
Humidity	49%RH	Pressure	101kPa
Test Engineer	Yang yang	Test Date	2025.05.06

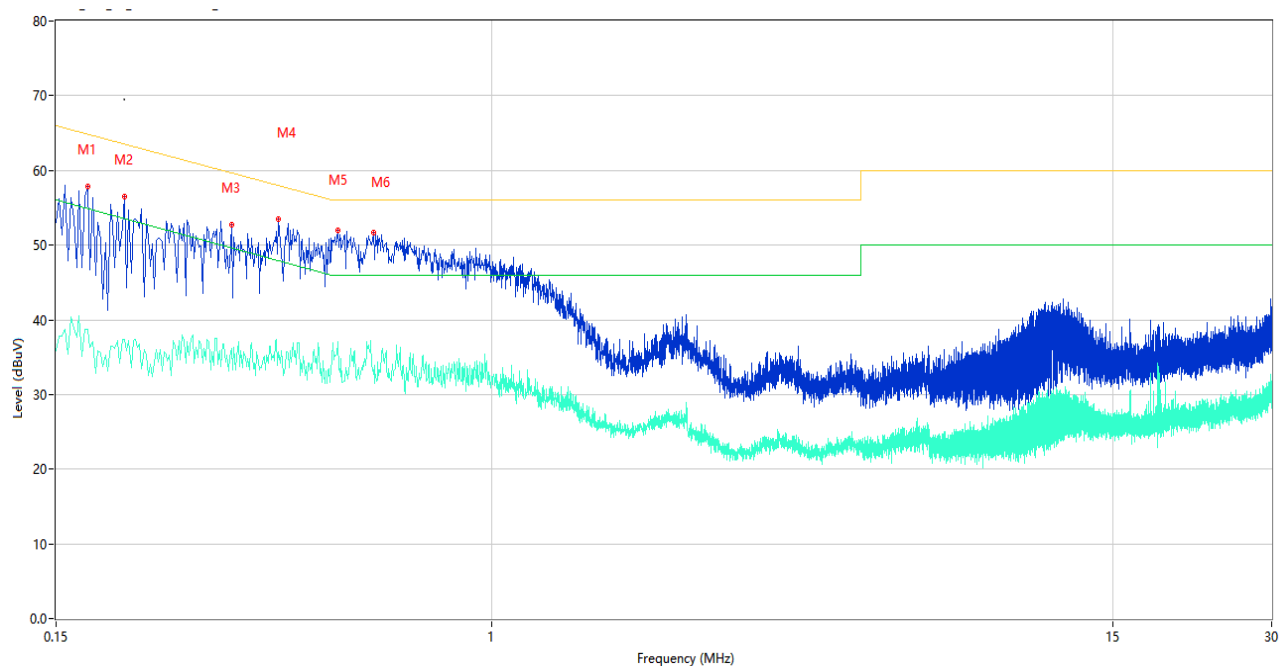
Test Mode 4

1) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.202	58.01	10.03	63.53	5.52	Peak	L	Pass
1**	0.202	39.22	10.03	53.53	14.31	AV	L	Pass
2	0.246	57.94	10.03	61.89	3.95	Peak	L	Pass
2**	0.246	35.65	10.03	51.89	16.24	AV	L	Pass
3	0.396	53.78	10.57	57.94	4.16	Peak	L	Pass
3**	0.396	36.30	10.57	47.94	11.64	AV	L	Pass
4	0.482	52.96	10.40	56.30	3.34	Peak	L	Pass
4**	0.482	34.21	10.40	46.30	12.09	AV	L	Pass
5	0.536	52.76	10.41	56.00	3.24	Peak	L	Pass
5**	0.536	32.96	10.41	46.00	13.04	AV	L	Pass
6	0.612	52.89	10.57	56.00	3.11	Peak	L	Pass
6**	0.612	32.82	10.57	46.00	13.18	AV	L	Pass

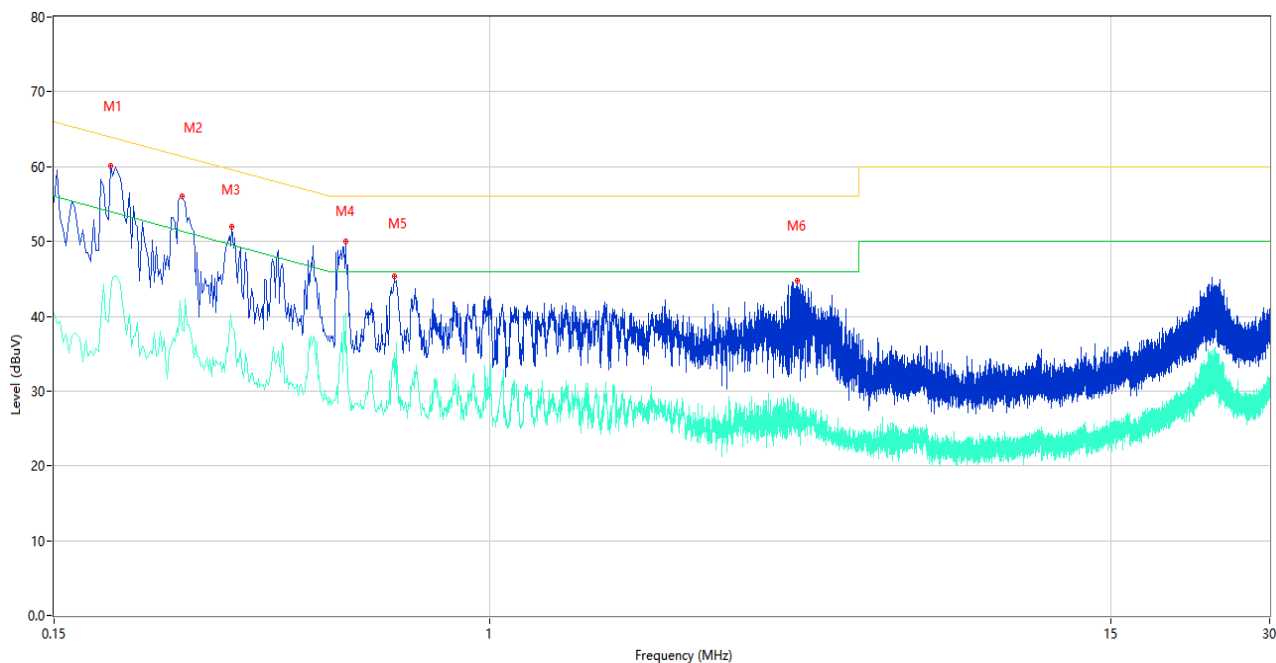
2) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.172	57.83	10.06	64.86	7.03	Peak	N	Pass
1**	0.172	38.66	10.06	54.86	16.20	AV	N	Pass
2	0.202	56.44	10.03	63.53	7.09	Peak	N	Pass
2**	0.202	37.36	10.03	53.53	16.17	AV	N	Pass
3	0.322	52.76	10.00	59.66	6.90	Peak	N	Pass
3**	0.322	36.23	10.00	49.66	13.43	AV	N	Pass
4	0.396	53.45	10.57	57.94	4.49	Peak	N	Pass
4**	0.396	35.67	10.57	47.94	12.27	AV	N	Pass
5	0.512	51.95	10.34	56.00	4.05	Peak	N	Pass
5**	0.512	37.03	10.34	46.00	8.97	AV	N	Pass
6	0.598	51.68	10.66	56.00	4.32	Peak	N	Pass
6**	0.598	32.62	10.66	46.00	13.38	AV	N	Pass

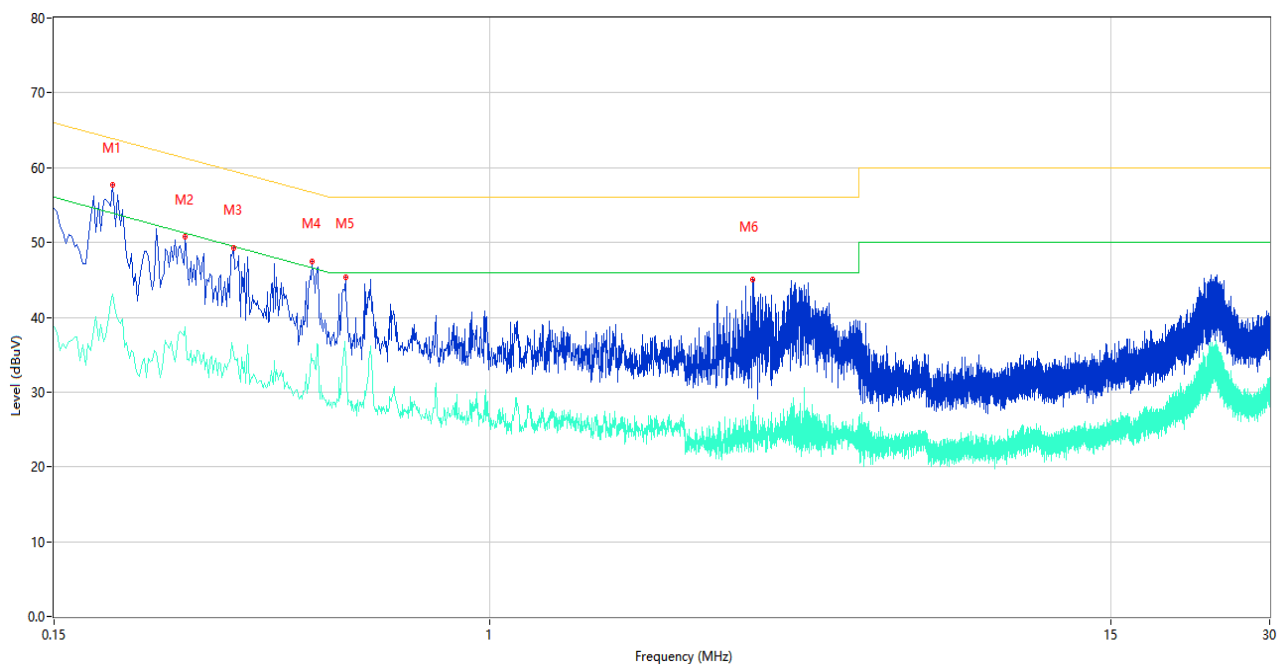
Test Mode 5

3) AC Ports - L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.192	60.16	10.04	63.95	3.79	Peak	L	Pass
1**	0.192	43.58	10.04	53.95	10.37	AV	L	Pass
2	0.262	56.09	10.03	61.37	5.28	Peak	L	Pass
2**	0.262	38.34	10.03	51.37	13.03	AV	L	Pass
3	0.326	51.92	9.99	59.55	7.63	Peak	L	Pass
3**	0.326	38.53	9.99	49.55	11.02	AV	L	Pass
4	0.534	50.01	10.41	56.00	5.99	Peak	L	Pass
4**	0.534	40.39	10.41	46.00	5.61	AV	L	Pass
5	0.660	45.40	10.39	56.00	10.60	Peak	L	Pass
5**	0.660	31.96	10.39	46.00	14.04	AV	L	Pass
6	3.828	44.76	10.70	56.00	11.24	Peak	L	Pass
6**	3.828	28.34	10.70	46.00	17.66	AV	L	Pass

4) AC Ports - N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.194	57.63	10.04	63.86	6.23	Peak	N	Pass
1**	0.194	43.11	10.04	53.86	10.75	AV	N	Pass
2	0.266	50.79	10.03	61.24	10.45	Peak	N	Pass
2**	0.266	38.76	10.03	51.24	12.48	AV	N	Pass
3	0.328	49.33	9.98	59.50	10.17	Peak	N	Pass
3**	0.328	35.12	9.98	49.50	14.38	AV	N	Pass
4	0.462	47.52	10.49	56.66	9.14	Peak	N	Pass
4**	0.462	34.19	10.49	46.66	12.47	AV	N	Pass
5	0.534	45.34	10.41	56.00	10.66	Peak	N	Pass
5**	0.534	34.27	10.41	46.00	11.73	AV	N	Pass
6	3.156	45.03	10.68	56.00	10.97	Peak	N	Pass
6**	3.156	27.24	10.68	46.00	18.76	AV	N	Pass

Equipment Information						
Equipment Name	Supplier	Model	Serial No.	Cal. Date	Cal. Due	Use
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31	☒
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08	☒
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13	☒
Description	Supplier	Name	Version	/		Use
Test Software	BALUN	BL410-E	V22.930	/		☒

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL- SZ2540082-AE-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL- SZ2540082-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL- SZ2540082-AI.PDF”.

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--END OF REPORT--