

EMC TEST REPORT

FCC ID: 2A6CL-CR1034

Report No. : SSP26080271-1

Applicant : Shen Zhen Yelaw Technology Co., LTD

Product Name : Emergency Radio

Model Name : CR1034

Test Standard : FCC Part 15 Subpart B

Date of Issue : 2026-08-24

Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen,
Guangdong, China; (Tel.:+86-755-23406590 website: www.zrklab.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant:	Shen Zhen Yelaw Technology Co., LTD 4th Floor, Building D, Xinyong Fengxin Industrial Park, Fengzheng Road, Shiyan Address of Applicant.....:	Street Baoan District, Shenzhen China
Manufacturer:	Dongguan Hexinying Technology Co., LTD Address of Manufacturer.....:	No. 8 Xinyongda Road, Shipai Town, Dongguan City, 523025, Guangdong, CN
Product Name:	Emergency Radio	
Brand Name:	-	
Main Model:	CR1034	
Series Models:	CR1034Pro	
Test Standard:	FCC Part 15 Subpart B ANSI C63.4-2014	
Date of Test	2026-08-14 to 2026-08-20	
Test Result:	PASS	
Tested By	 (Bai Bai)	
Reviewed By:	 (Lorzix Luo)	
Authorized Signatory:	 (Lahm Peng)	
Note : This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.		

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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-08-24	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Emergency Radio
Trade Name:	-
Main Model:	CR1034
Series Models:	CR1034Pro
Test Sample No:	SSP26080271-1
Class of Equipment:	☐ Class A ☒ Class B
Highest Internal Frequency:	<108MHz
Rated Voltage:	Input: AC 120V/60Hz
Note 1: The test data is gathered from a production sample, provided by the manufacturer. Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.	

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Charging + Working	AC 120V/60Hz	
TM2	Dry cell + Working	-	
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
-	-	-	-
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
-	-	-	-
-	-	-	-
-	-	-	-
The equipment under test (EUT) was configured to measure its highest possible emission and immunity level. The test modes were adapted according to the operation manual for use.			

1.3 Compliance Standards

Compliance Standards	
FCC Part 15 Subpart B	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Unintentional Radiators
All measurements contained in this report were conducted with all above standards	
According to standards for test methodology	
FCC Part 15 Subpart B	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Unintentional Radiators
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.
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.	

1.4 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

1.5 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Disturbance	9kHz ~30MHz	±1.64 dB
Radiated Disturbance	30MHz ~ 1GHz	±3.32 dB
Radiated Disturbance	1GHz ~ 18GHz	±3.50 dB

1.6 List of Test and Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Conducted Emissions					
AMN	ROHDE&SCHWARZ	ENV216	101097	2026-07-24	2027-07-23
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2026-07-24	2027-07-23
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
Radiated Emissions					
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2026-07-24	2027-07-23
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2026-07-24	2027-07-23
Amplifier	SCHWARZBECK	BBV 9743B	00251	2026-07-24	2027-07-23
Amplifier	HUABO	YXL0518-2.5-45	--	2026-07-24	2027-07-23
Loop Antenna	DAZE	ZN30900C	21104	2026-07-24	2027-07-23
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2026-07-24	2027-07-23
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2026-07-24	2027-07-23
Attenuator	QUANJUDA	6dB	220731	2026-07-24	2027-07-23
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A

2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.107	Conducted Emissions	Passed
FCC Part 15.109	Radiated Emissions	Passed
Passed: The EUT complies with the essential requirements in the standard Failed: The EUT does not comply with the essential requirements in the standard N/A: Not applicable		

3. Conducted Emissions

3.1 Standard and Limit

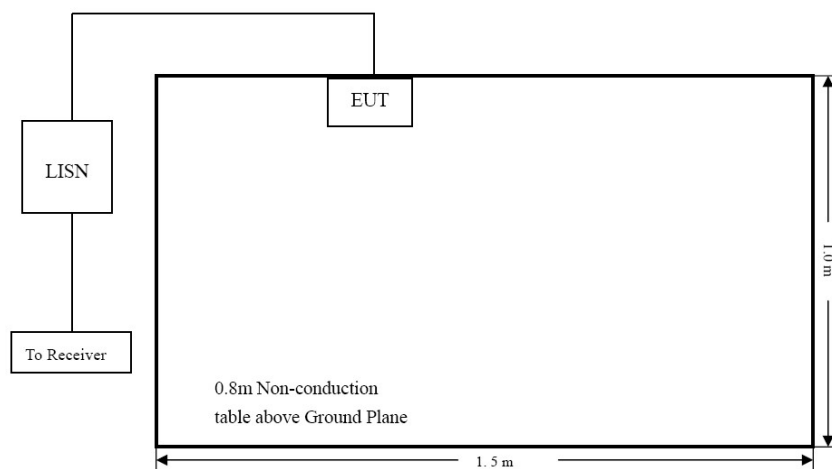
According to the rule FCC Part 15.107, Conducted limit, the limit for a class A and class B device as below:

Frequency of Emission (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
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

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz
Note 2: The lower limit applies at the band edges

3.2 Test Procedure

Test is conducting under the description of 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.



Test Setup Block Diagram

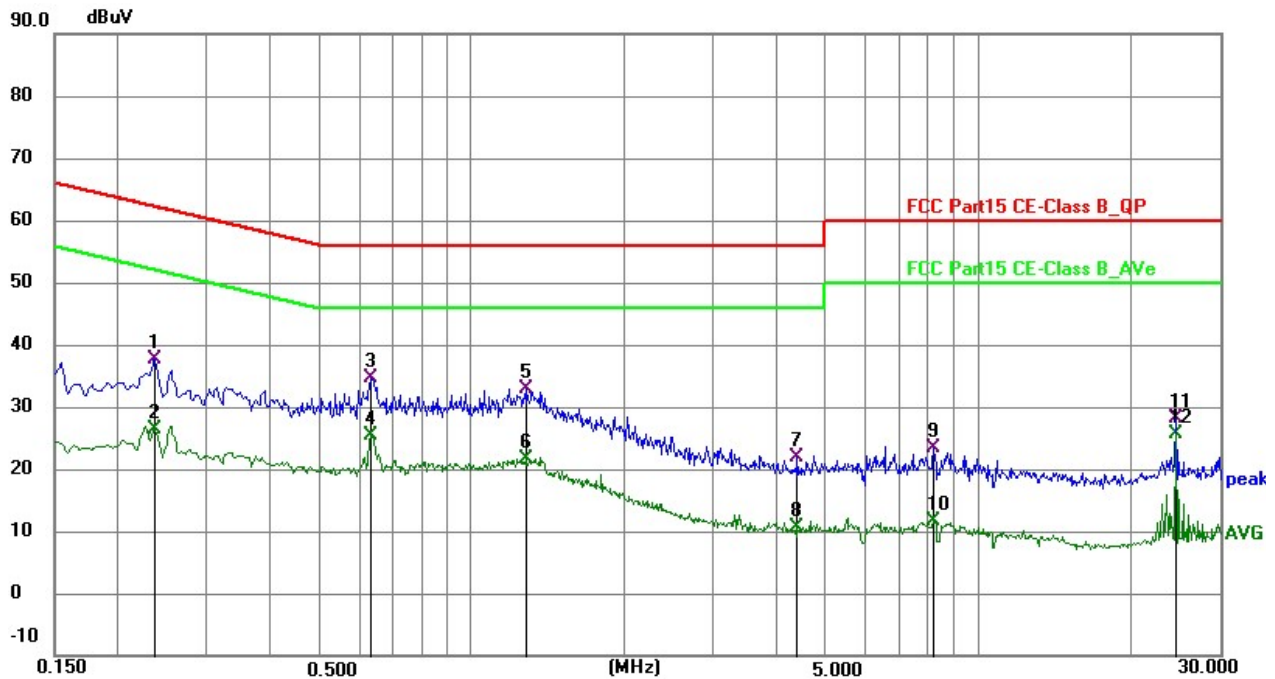
3.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.107 standard limit for a Class B device, and with the worst case as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

Test Plots and Data of Conducted Emissions

Tested Mode:	TM1
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2355	28.36	9.27	37.63	62.25	-24.62	QP	P	
2	0.2355	17.18	9.27	26.45	52.25	-25.80	AVG	P	
3	0.6315	25.29	9.36	34.65	56.00	-21.35	QP	P	
4 *	0.6315	16.14	9.36	25.50	46.00	-20.50	AVG	P	
5	1.2885	23.45	9.44	32.89	56.00	-23.11	QP	P	
6	1.2885	12.08	9.44	21.52	46.00	-24.48	AVG	P	
7	4.3980	12.24	9.54	21.78	56.00	-34.22	QP	P	
8	4.3980	1.01	9.54	10.55	46.00	-35.45	AVG	P	
9	8.1825	13.75	9.57	23.32	60.00	-36.68	QP	P	
10	8.1825	2.16	9.57	11.73	50.00	-38.27	AVG	P	
11	24.5760	17.97	10.05	28.02	60.00	-31.98	QP	P	
12	24.5760	15.63	10.05	25.68	50.00	-24.32	AVG	P	

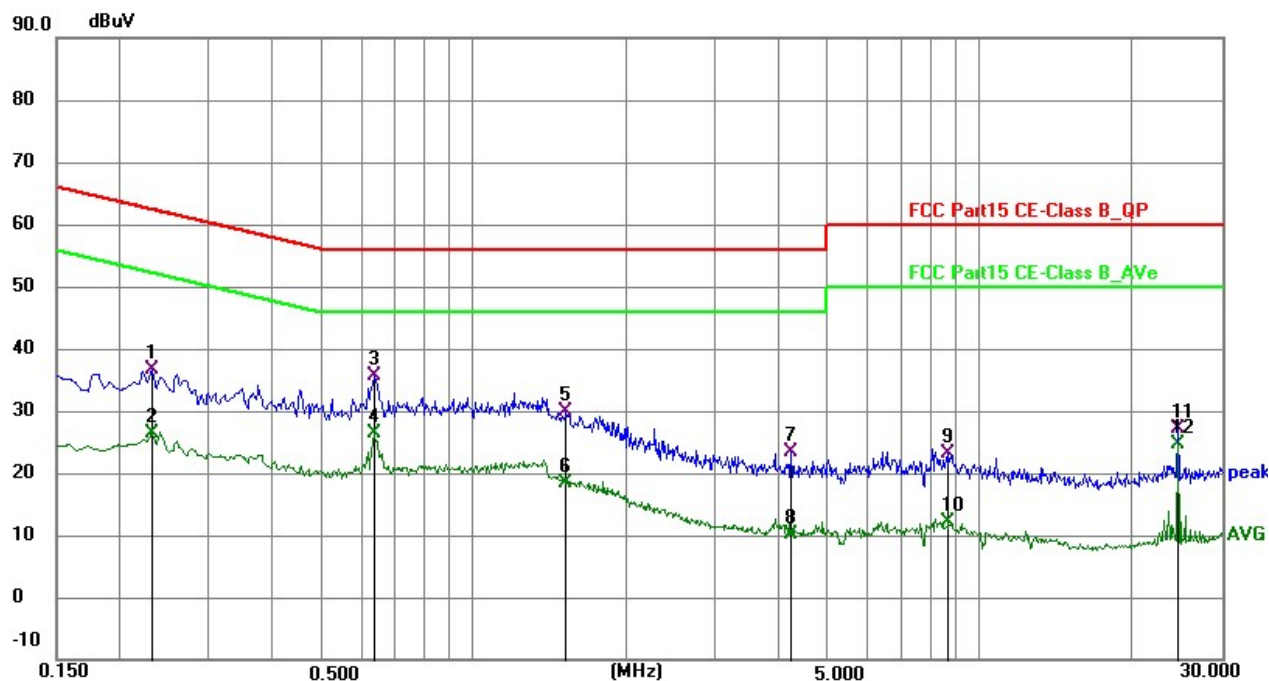
Test Plots and Data of Conducted Emissions

Tested Mode: TM1

Test Voltage: AC 120V/60Hz

Test Power Line: Live

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2310	27.25	9.45	36.70	62.41	-25.71	QP	P	
2	0.2310	16.98	9.45	26.43	52.41	-25.98	AVG	P	
3	0.6360	26.14	9.56	35.70	56.00	-20.30	QP	P	
4 *	0.6360	16.89	9.56	26.45	46.00	-19.55	AVG	P	
5	1.5270	20.16	9.64	29.80	56.00	-26.20	QP	P	
6	1.5270	8.83	9.64	18.47	46.00	-27.53	AVG	P	
7	4.2360	13.53	9.73	23.26	56.00	-32.74	QP	P	
8	4.2360	0.51	9.73	10.24	46.00	-35.76	AVG	P	
9	8.6595	13.31	9.76	23.07	60.00	-36.93	QP	P	
10	8.6595	2.29	9.76	12.05	50.00	-37.95	AVG	P	
11	24.5760	17.01	10.19	27.20	60.00	-32.80	QP	P	
12	24.5760	14.36	10.19	24.55	50.00	-25.45	AVG	P	

4. Radiated Disturbance

4.1 Standard and Limit

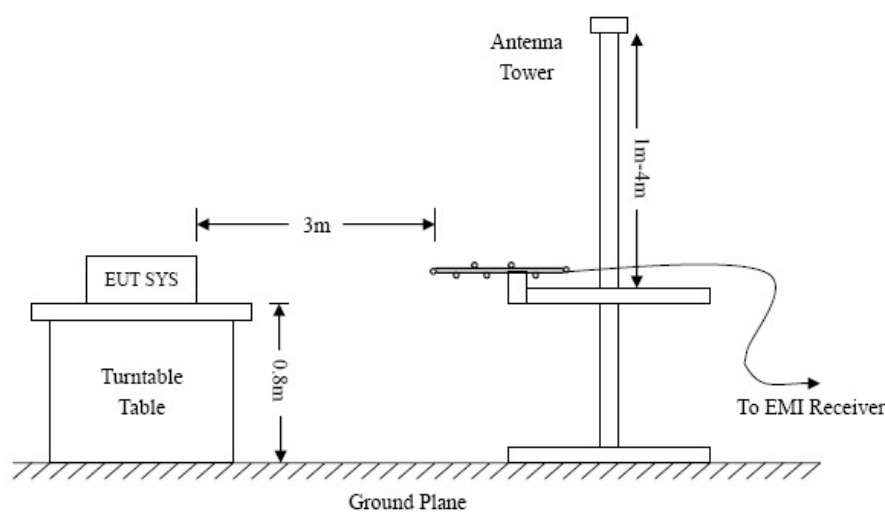
According to the rule FCC Part 15.109, Radiated emission limit for a class A and class B device as below:

Frequency of Emission (MHz)	Class A (3m)	Class B (3m)
	Quasi-peak (dBuV/m)	Quasi-peak (dBuV/m)
30-88	50	40
88-216	54.0	43.5
216-960	57.0	46
Above 960	60	54

Note: The more stringent limit applies at transition frequencies.

4.2 Test Procedure

Test is conducting under the description of 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.

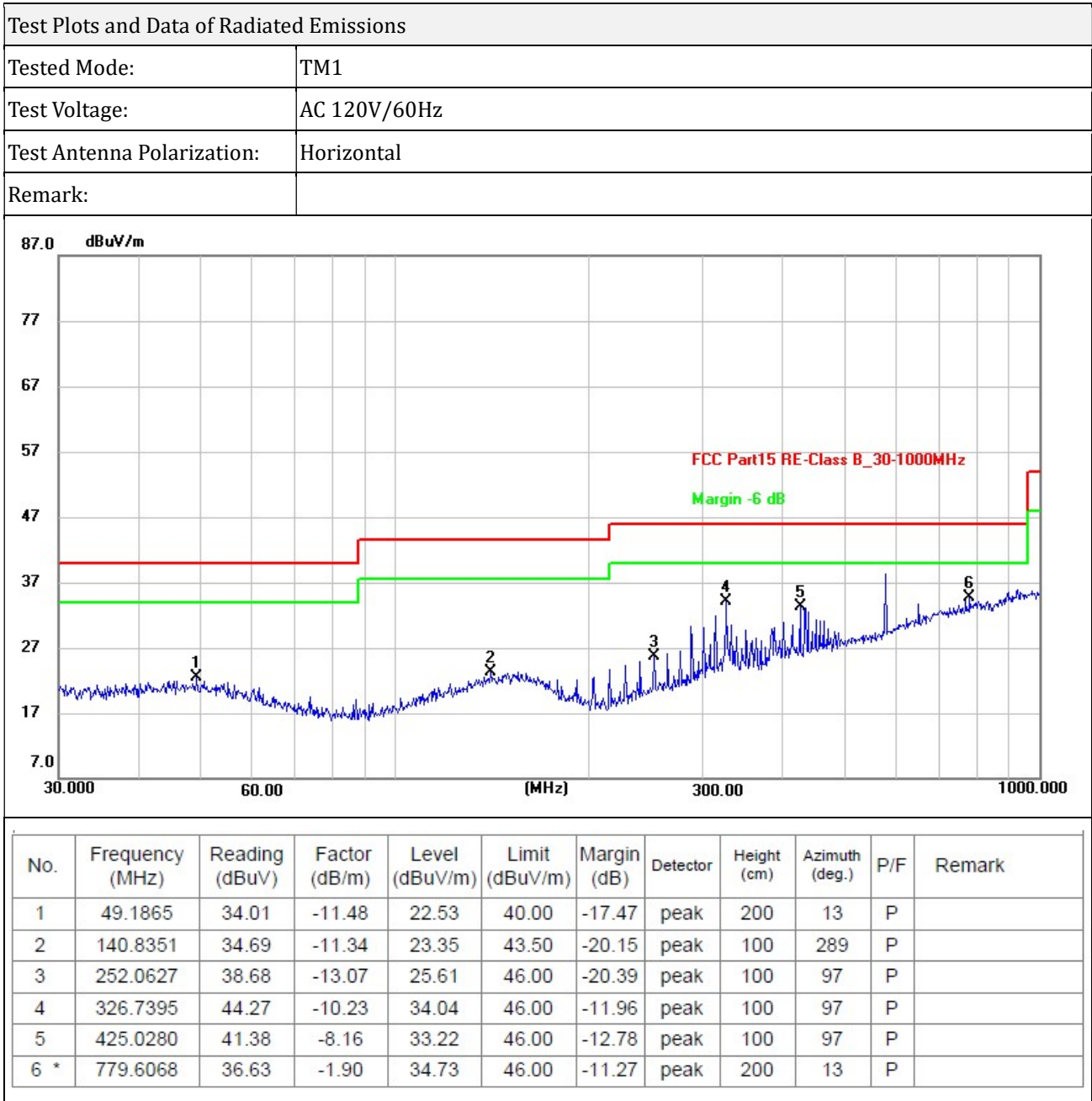


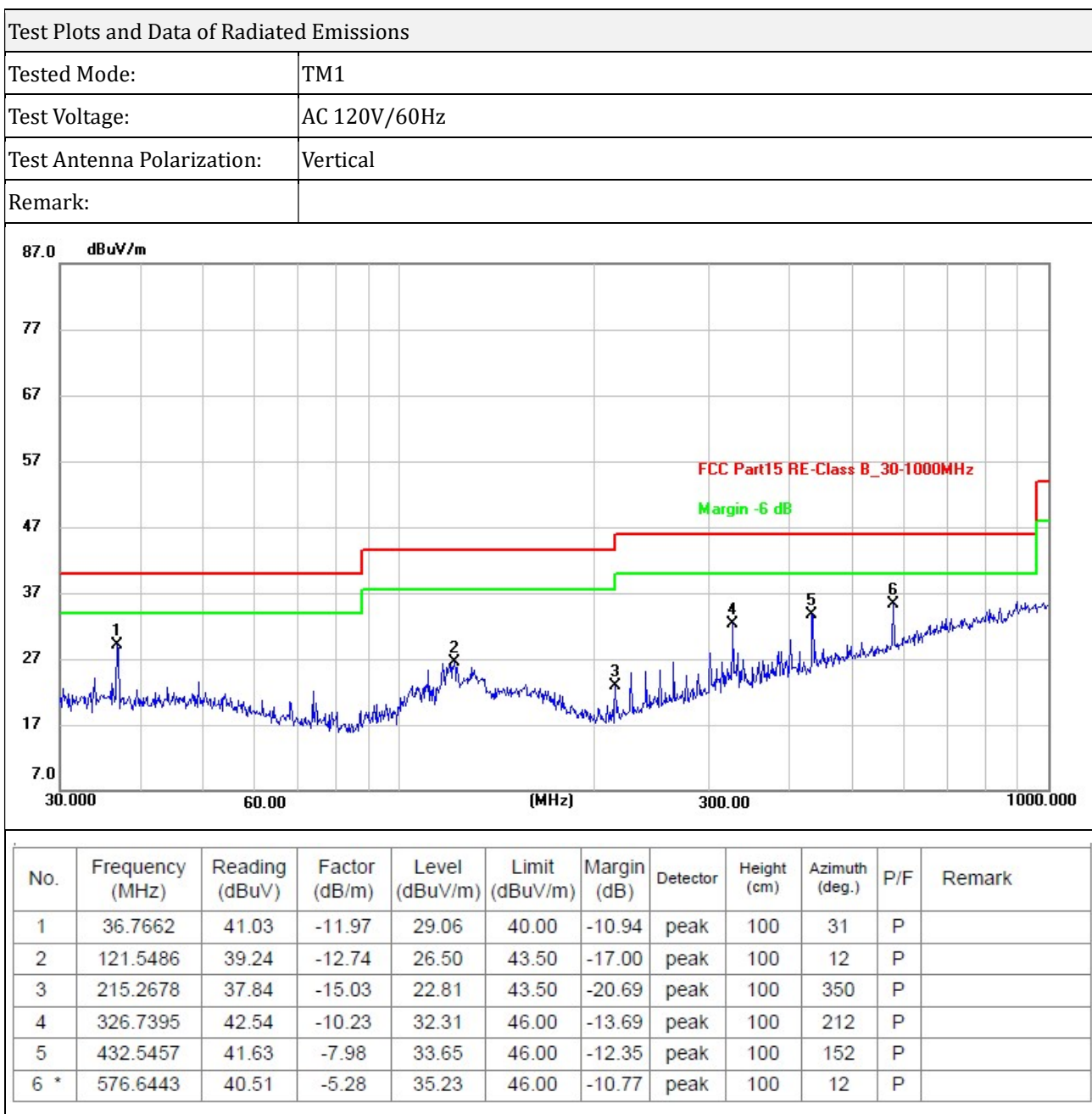
Test Setup Block Diagram

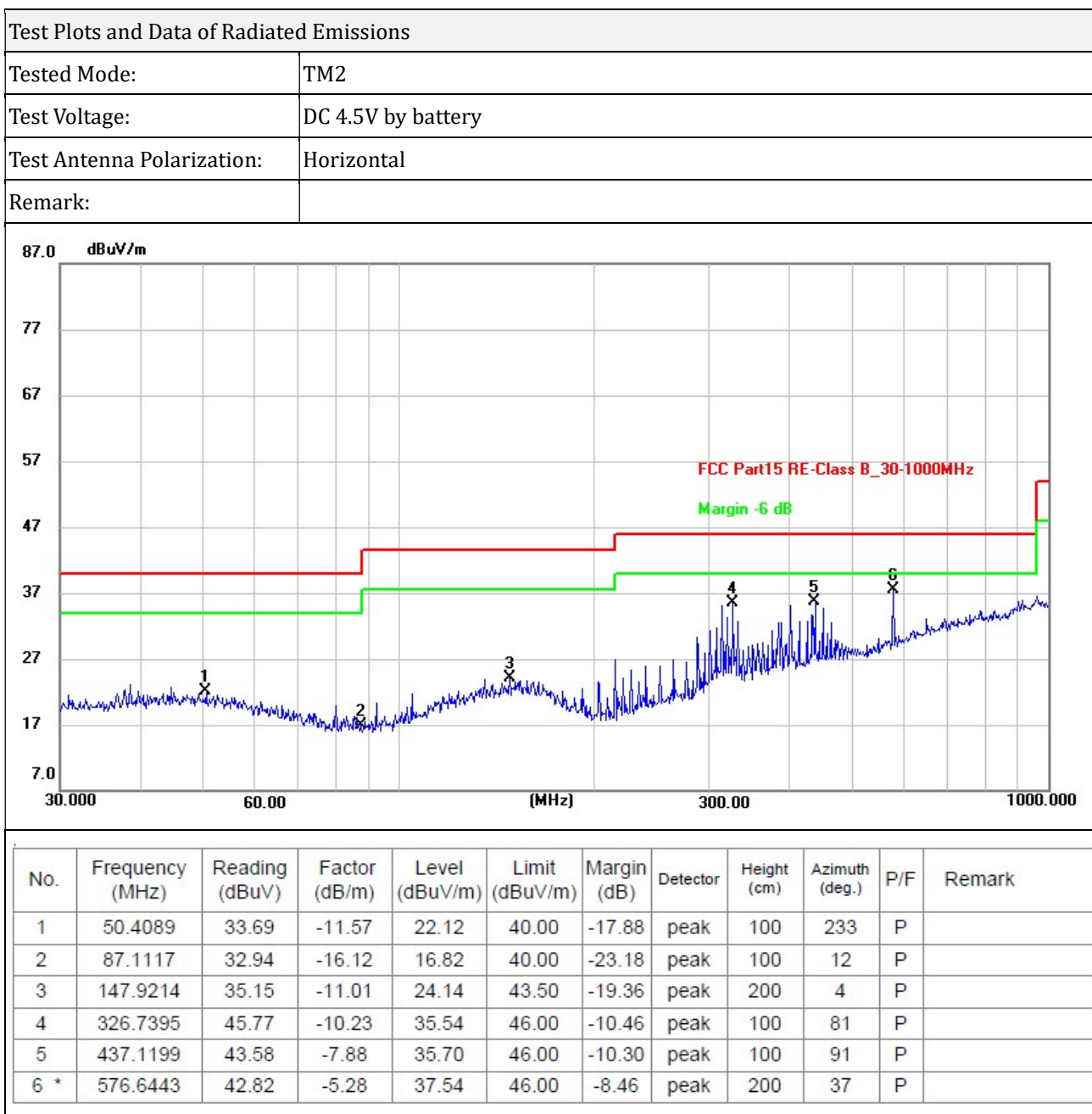
4.3 Test Data and Results

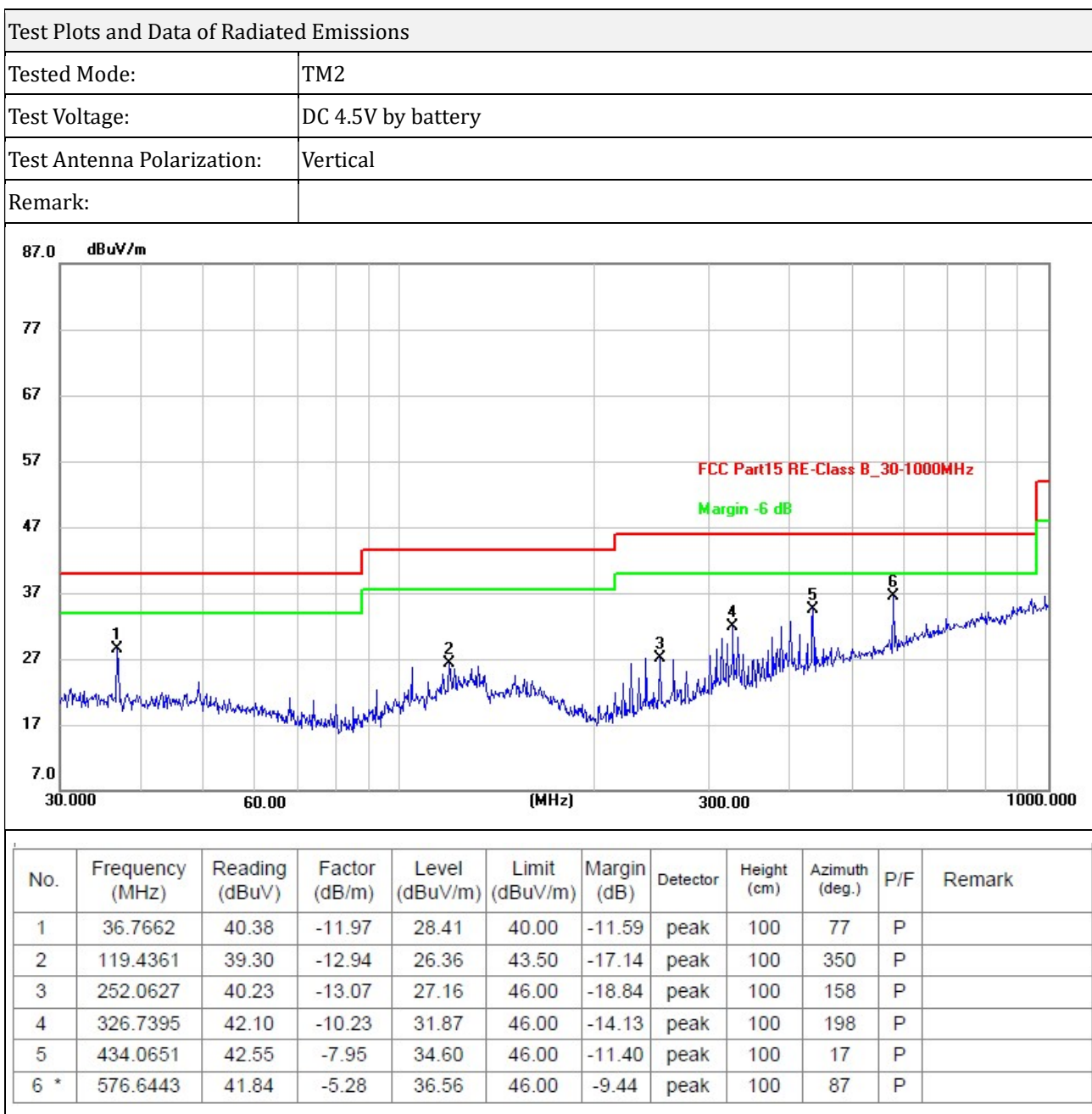
Based on all tested data, the EUT complied with the FCC Part 15.109 standard limit for a Class B device, and with the worst case as below:

Remark: Level = Reading + Factor; Margin = Level - Limit









Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.