EMC TEST REPORT

FCC ID: 2A6CL-CR1001

Report No. : SSP25060318-1E

Applicant: Shen Zhen Yelaw Technology Co., LTD

Product Name : Clock Radio

Model Name : CR1001

Test Standard: FCC Part 15 Subpart B

Date of Issue : 2025-07-03



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.ccuttest.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.

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APPROVE

Test Report Basic Information

Applicant...... Shen Zhen Yelaw Technology Co., LTD

4th Floor, Building D, Xinyong Fengxin Industrial Park, Fengzheng Road,

Address of Applicant..... Shiyan Street Baoan District, Shenzhen, China

Manufacturer..... Shen Zhen Yelaw Technology Co., LTD

4th Floor, Building D, Xinyong Fengxin Industrial Park, Fengzheng Road,

Address of Manufacturer......: Shiyan Street Baoan District, Shenzhen, China

Product Name...... Clock Radio

Mesqool/ROCAM/Raynic/Roxicosly/PPLEE/OnLyee/Eoxsmile/PESCON/

Brand Name...... MINORZ/Zebon

Main Model...... CR1001

CR1001E, CR1001EM, CR1001F, CR1001i, CR1001E Pro, CR1001EM Pro,

Series Models...... CR1001ER, CR1001EMR

FCC Part 15 Subpart B

Test Standard...... ANSI C63.4-2014

Test Result...... PASS

Tested By Walker Wu)

Reviewed By...... Lorzix Luo (Lorzix Luo)

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	2025-07-03	Initial Release	Lahm Peng

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1. General Information

1.1 Product Information

Product Name:	Clock Radio						
Trade Name:	Mesqool/ROCAM/Raynic/Roxicosly/PPLEE/OnLyee/Eoxsmile/PESCON/						
Trade Name:	MINORZ/Zebon						
Main Model: CR1001							
Series Models:	CR1001E, CR1001EM, CR1001F, CR1001i, CR1001E Pro, CR1001EM Pro,						
Series Models:	CR1001ER, CR1001EMR						
Class of Equipment: Class A Class B							
Highest Internal Frequency:	<108MHz						
Rated Voltage:	DC 3V by AAA*2 battery or DC 5V From Adapter						
Test Sample No:	SSP25060318-1						

Report No: SSP25060318-1E

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	C	harging+FM band+usb out		AC	C 120V/60Hz		
TM2	D	ry cell +FM band+usb out			Full load		
-		-			-		
List and Details of A	Auxiliary	Cable					
Description		Length (cm)	Shield	ed/Unshielded	With/Without Ferrite		
-				-	-		
-		-		-			
List and Details of A	Auxiliary	Equipment					
Description		Manufacturer		Model	Serial Number		
Adapter		Xiaomi	HW	-100225C00	HC78E2N6A23645		
-		-	-		-		
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.							

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1.3 Compliance Standards

Compliance Standards						
ECC Davit 15 Culmont D	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,					
FCC Part 15 Subpart B	Unintentional Radiators					
All measurements contained in t	his report were conducted with all above standards					
According to standards for tes	st methodology					
ECC Dowt 15 Cubnant D	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,					
FCC Part 15 Subpart B	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.						

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1.4 Test Facilities

	Shenzhen CCUT Quality Technology Co., Ltd.							
Laboratory Name:	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 magginement facilities in	and to collect the management data are located at 1E Duilding 2E Changeing							

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		

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1.6 List of Test and Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date			
		Conducted Emissi	ons					
AMN ROHDE&SCHWARZ ENV216 101097 2024-08-07								
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06			
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A			
Radiated Emissions								
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06			
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06			
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06			
Amplifier	HUABO	YXL0518-2.5-45		2024-08-07	2025-08-06			
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02			
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02			
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02			
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A			

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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

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3. Conducted Emissions

3.1 Standard and Limit

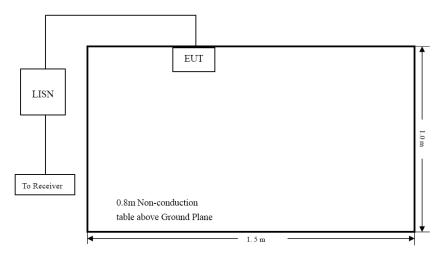
According to the rule FCC Part 15.107, Conducted limit, the limit for a class A and class B device as below:

Frequency of Emission	Class A	(dBuV)	Class B (dBuV)			
(MHz)	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

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 TM1 as below:

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

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Note 2: The lower limit applies at the band edges

Test	Plo	ots and Data o	of Conduct	ed Emissio	ons						
Test	ed 1	Model:		CR1001							
Test	ed I	Mode:		TM1							
			AC 120V/6	50Hz							
		wer Line:		Neutral							
Rem				- Iveuuui							
		dBuV									
90.0		abuv									
80											
70											
	-									FCC Part15 CE-Clas	s B QP
60											
50										FCC Part15 CE-Clas	s B_AVe
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0										a volument and a second	ALL ST
-10											
	150		0.5	00		(MHz)		5.0	100		30.000
No).	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F	Remark	
		(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)				
2	\dashv	0.2714	29.50 12.46	9.34 9.34	38.84 21.80	61.07 51.07	-22.23 -29.27	QP AVG	P P		
3	*	0.5595	27.59	9.37	36.96	56.00	-19.04	QP	P		
4	\dashv	0.5595	11.28	9.37	20.65	46.00	-25.35	AVG	Р		
5		0.7035	26.03	9.36	35.39	56.00	-20.61	QP	Р		
6	_	0.7035	10.83	9.36	20.19	46.00	-25.81	AVG	Р		
7	\rightarrow	1.3740	22.90	9.44	32.34	56.00	-23.66	QP	Р		
8	\rightarrow	1.3740	11.31	9.44	20.75	46.00	-25.25	AVG	Р		
9	\rightarrow	4.4475	14.43	9.55	23.98	56.00	-32.02	QP	Р		
10	\rightarrow	4.4475	-0.62	9.55	8.93	46.00	-37.07	AVG	Р		
11	\rightarrow	24.4050 24.4050	21.33 6.94	10.04 10.04	31.37 16.98	60.00 50.00	-28.63 -33.02	QP AVG	P P		
	•	27.7000	0.04	10.04	10.30	00.00	00.02	Αν Ο	<u> </u>		

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Test P	lots and Data c	of Conduct	ed Emissio	ons						
Tested	l Model:		CR1001	CR1001						
Tested	l Mode:		TM1	ГМ1						
Test V	oltage:		AC 120V/6	60Hz						
Test P	ower Line:		Live							
Remar	rk:									
90.0	dBuV									
80										
70										
C0 -									FCC Part15 CE-Class B_QP	
60										
50 —									FCC Part15 CE-Class B_AVe	
40	1	3	5							
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-10 0.15	0	0.5	00		(MHz)		5.0	100	30.000	
	Fraguanay	Dooding	Factor	Lovel	Limit	Morgin				
No.	Frequency (MHz)	Reading (dBuV)	(dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark	
1	0.2490	28.69	9.49	38.18	61.79	-23.61	QP	Р		
2	0.2490	12.31	9.49	21.80	51.79	-29.99	AVG	Р		
3 4	0.4290	27.35	9.57	36.92 21.39	57.27	-20.35 -25.88	QP AVG	P		
5 *	0.4290	11.82 26.80	9.57 9.59	36.39	47.27 56.00	-19.61	QP	Р		
6	0.7485	10.62	9.59	20.21	46.00	-25.79	AVG	Р		
7	1.1670	24.36	9.62	33.98	56.00	-22.02	QP	Р		
8	1.1670	11.65	9.62	21.27	46.00	-24.73	AVG	Р Р		
9	3.8310	14.37	9.72	24.09	56.00	-31.91	QP	P		
10	3.8310	1.42	9.72	11.14	46.00	-34.86	AVG	P		
11	24.4050	19.60	10.17	29.77	60.00	-30.23	QP	Р		
12	24.4050	8.72	10.17	18.89	50.00	-31.11	AVG	Р		

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### 4. Radiated Disturbance

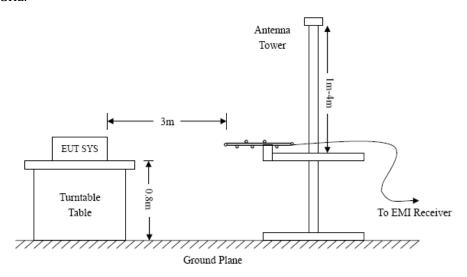
#### 4.1 Standard and Limit

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

Eraquangy of Emission (MHz)	Class A (3m)	Class B (3m)							
Frequency of Emission (MHz)	Quasi-peak (dBuV/m)	Quasi-peak (dBuV/m)							
30-88	50	40 43.5 46							
88-216	54.0								
216-960	57.0								
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 TM1 as below:

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

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Test	t Plo	ots and Data o	of Radiated	d Emission	ıs										
Test	ted	Model:		CR1001											
Test	ted	Mode:		TM1											
Test	t Vo	ltage:		AC 120V/60Hz											
Test	t An	itenna Polariz	zation:	Horizontal											
Ren	narl	k:													
80.0		dBuV/m													
00.0															
70															
70															
60															
								FC	C Part15	RE-Class B	3_30-1	000MHz			
50	H							Ma	<del>ırgin -6 dE</del>			<del></del>			
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30	H														
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20		1	2		2				MARKET MARKET	a for the policy of the same	va-4Va ^{rigo} /a-r				
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10	H				7										
0.0															
3	0.00	0	60.00			(MHz) 300.00 1000.00									
		F	Daration	Ft	11	1 1 14			T	T					
N	0.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark			
1	*	40.8446	26.91	-8.30	18.61	40.00	-21.39	QP	100	146	Р				
2		59.4405	27.03	-9.87	17.16	40.00	-22.84	QP	100	74	Р				
3		118.1862	26.56	-9.96	16.60	43.50	-26.90	QP	200	348	Р				
4		167.8243	27.09	-8.57	18.52	43.50	-24.98	QP	200	348	Р				
5		292.0583 341.9786	30.97 30.63	-8.46 -7.30	22.51	46.00 46.00	-23.49 -22.67	QP QP	100	12	P				
		341.3700	30.03	-7.50	23.33	40.00	-22.07	Q.F	100	12	Г				

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Test	Plo	ts and	Data o	f Radi	iated	l Emis	ssior	ıs										
Tested Model:							CR1001											
Tested Mode:							TM1											
Test Voltage:							AC 120V/60Hz											
Test Antenna Polarization:								Vertical										
Rem	ark	<u> </u>																
80.0	(	dBuV/m																
70																		
60											FC	C Part15	RE-Class I	B_30-	1000MHz			
50											м.	argin -6 dl						
40	_						F			<b>-</b>								
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30	0.000	0		60	.00			•	(MHz)		30	0.00				1000.000		
No	D.	Frequ (Mh		Read (dBu		Fac (dB		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Rema	ark		
1	*	48.8	429	32.3	37	-8.	36	24.01	40.00	-15.99	QP	100	111	Р				
2		72.3376		30.7	78	-11.98		18.80	40.00	-21.20	QP	100	19	Р				
3	$\rightarrow$	139.3613		29.0		-8.26		20.83	43.50	-22.67	QP	100	348	Р				
4	$\rightarrow$	178.7584		30.6		-10.34		20.29	43.50	-23.21	QP	100	184	P				
5	$\rightarrow$	234.1		30.1		-10		19.27	46.00	-26.73	QP	100	348	Р				
6		543.2	2/42	26.8	56	-2.	<b>ნ</b> პ	24.03	46.00	-21.97	QP	100	29	P				

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

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