

Report No.:18250EC10102501 Page 1 of 25

FCC Test Report

Client Name : ZHEJIANG YOUQI TECHNOLOGY CO., LTD.

Address No.229, Dongda Street, Shanshi, Daxi town, Wenling

City, Zhejiang Province

Product Name : Electric Scooter

Date : Sept. 26, 2021

Anbotek (Guangzhou)

Anbotek (Guangzhou)

Anbotek (Saloty Compliance Laboratory Limited * Approved * Department of the Laboratory Limited * Department of the Laboratory L



Report No.:18250EC10102501

Page 2 of 25

Contents

1. General Information			,010	An	<u></u>		
1.1. Client Information	Anbo.			bott	b.	······	
1.2. Description of Device (EUT) 1.3. Auxiliary Equipment Used During	,nbot		Vur.		atek.	Vupor	∠
1.3. Auxiliary Equipment Used During	Test	ootek	Aupo,		-/6/	obote	Z
1.4. Description of Test Modes		, tok	0000		Yup.		otek 5
1.5. Test Summary	oter	Aupr		-otek	Vupoje,	Vu.	st5
1.4. Description of Test Modes	botek	Anbore	P2.	- Yel	odos	ek .	Anbo.
1.7. Measurement Uncertainty	VII.	do.	otek	Aupo.	V	otek	6
1.8. Description of Test Facility	bee	.V	- 2018r	AUD		100	P. cl
2. Power Line Conducted Emission Test	Aupo,		78 _K	ola.	oter	Aupo	7
2.1. Test Standard and Limit	100	ofer	AUD		Lotok	Anbore	<i>b</i> ₁
2.2. Test Setup		poter.	Vup.		, rek	do	o, e,
thore a take the	0,						No.
2.4. Operating Condition of EUT	'upoles	Anbe		No for	Anbor		
2.5. Test Procedure	hotek	Anb		An-	K	otek	Anbo
2.6. Test Results	Pr.,	Jr.	upoten.	Anbe		wo'ek	8
2.3. EUT Configuration on Measurement 2.4. Operating Condition of EUT	Anbe		botek	Anb	940.	Anskal	11
3.1. Test Standard and Limit	k Ant	0,0		<i>y</i> -	obotek	Anbo	11
3.2. Test Setup	tek.	Moter	Anbe		sofek.	Anb	11
3.2. Test Setup 3.3. EUT Configuration on Measurement	ent	botel	Anl	,010	VII.	<u> </u>	11
3.4. Operating Condition of EUT	upo).		401	-upoter	Anbe		12
3.5. Test Procedure	Aupoten	Anb.		, botel	Ant	0,00	12
3.4. Operating Condition of EUT 3.5. Test Procedure	hote	r b	upois	V	191	obotek	12
APPENDIX I TEST SETUP PHOTOGRA				Aup		hotek	17
APPENDIX II Photo documentation	Anb	40.	hote	lk. b	nbore	Vur	- 18



Report No.:18250EC10102501 Page 3 of 25

TEST REPORT

Applicant : ZHEJIANG YOUQI TECHNOLOGY CO., LTD.

Manufacturer : ZHEJIANG YOUQI TECHNOLOGY CO., LTD.

Product Name : Electric Scooter

Model No. : U2, U3, U5

Trade Mark : UKAYE

Rating(s) : Input: DC 36V, 350W

Battery: DC 36V, 7.5Ah

Test Standard(s) : FCC Rules and Regulations Part 15 Subpart B: 2020

Test Method(s) : ANSI C63.4-2014

The device described above is tested by Anbotek (Guangzhou) Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and

Anbotek (Guangzhou) Compliance Laboratory Limited Is assumed full responsibility for the accuracy and completeness of these measurements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Anbotek (Guangzhou) Compliance Laboratory Limited

Date of Receipt:	Aug. 18, 2021	
Date of Test:	Aug. 18~Aug. 25, 2021	
	tek abotek Anbotek Anboten	
	Tet 2hao	
Prepared By:	upote, Wunger),,_
Anbotek Anbotek Anbotek Anbotek	(Jet Zhao)	nbote
	soughen liv	
Approved & Authorized Signer:	ak book Anborek Anbore	
	(Stephen Liu)	



Report No.:18250EC10102501

1. General Information

1.1. Client Information

Applicant	: ZHEJIANG YOUQI TECHNOLOGY CO., LTD.	oro Ambotek Anbot
Address	: No.229, Dongda Street, Shanshi, Daxi town, Wen	iling City, Zhejiang Province
Manufacturer	: ZHEJIANG YOUQI TECHNOLOGY CO., LTD.	k Anbotek Anbotek
Address	: No.229, Dongda Street, Shanshi, Daxi town, Wen	iling City, Zhejiang Province
Factory	: ZHEJIANG YOUQI TECHNOLOGY CO., LTD.	Anbotek Anbotek An
Address	: No.229, Dongda Street, Shanshi, Daxi town, Wen	lling City, Zhejiang Province

1.2. Description of Device (EUT)

: Electric Scooter
U2, U3, U5 (Note: All samples are the same except the model number & appearance, so we prepare "U2" for test only.)
: UKAYE
: AC 120V, 60Hz / DC 36V
: 1-3-1 botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Adapter: MODEL: XVE-4200200 INPUT: 100-240V AC, 50/60Hz, 2.0A Max OUTPUT: DC 42.0V, 2.0A, 34W

1.3. Auxiliary Equipment Used During Test

or the User's Manual.

100	-6"	200		Ale.	V U P	- V	v.0
N/A	,,	br.	r apolor	Anbo	rotek	Anbore	VUP
.c							

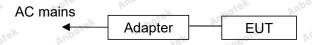


Report No.:18250EC10102501 Page 5 of 25

1.4. Description of Test Modes

Pretest Modes	Descriptions
Mode 1	Charging Mode
Mode 2	Riding Mode

For Mode 1 Block Diagram of Test Setup



For Mode 2 Block Diagram of Test Setup

EUT

1.5. Test Summary

Test Items	Test Modes	Status
Power Line Conducted Emission Test (150KHz To 30MHz)	Mode 1	ek Photek
Radiated Emission Test (30MHz To 1000MHz)	All Mode	potek P Anbotek
P) Indicates "PASS". N) Indicates "Not applicable".	yk Aupotek	Anbotek Anbot

1.6. Test Equipment List

Conducted Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100990	Oct. 26, 2020	1 Year
2.	L.I.S.N. Artificial Mains Network	Schwarzbeck	NSLK 8127	8127386	Oct. 26, 2020	1 Year
3.	L.I.S.N. Artificial Mains Network	Schwarzbeck	NSLK 8126	8126377	Oct. 26, 2020	1 Year
4.	Software Name	Ferrari Technology	EZ-EMC	EMC-CON 3A1.1	nbotel N/A Anto	N/A

Anbotek (Guangzhou) Compliance Laboratory Limited



Report No.:18250EC10102501 Radiated Emission Measurement Page 6 of 25

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	101604	Oct. 26, 2020	1 Year
2.	Pre-amplifier	EMtrace	RP01A	50017	Oct. 26, 2020	1 Year
3.10	Pre-amplifier	CD And	PAP-0203	22008	Oct. 26, 2020	1 Year
4.	TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01417	Nov. 02, 2020	2 Year
5.	Software Name	Ferrari Technology	EZ-EMC	Anbo-3A1	N/A	N/A

1.7. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 4.7 dB (Horizontal)
		Ur = 4.3 dB (Vertical)
		Anbotek Anbotek Anbotek Anbotek
Conduction Uncertainty	:	Uc = 3.4 dB
Disturbance Uncertainty	:	Ud = 3.4 dB

1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Test Location

Anbotek (Guangzhou) Compliance Laboratory Limited.
Room 508, Building 2, No.232, Kezhu Road, Science City, Guangzhou Economic & Technology Development Area, Guangzhou, Guangdong, China.510663



Report No.:18250EC10102501 Page 7 of 25

2. Power Line Conducted Emission Test

2.1. Test Standard and Limit

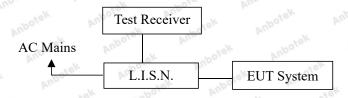
0.77		V-U	Park.	1/2/	- 40.07		
Test Standard	FCC Pa	art 15 Subpart	B Anbotek	Aupo.	Ar. Spolek	Anboren	Aupo

Power Line Conducted Emission Measurement Limits (FCC Part 15 Class B)

	Frequency	At mains te	erminals (dBμV)
	(MHz)	Quasi-peak Level	Average Level
Test Limit	0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
	0.50 ~ 5.00	56	46
	5.00 ~ 30.00	60	nbotek 50,mbote

Remark: (1) The lower limit shall apply at the transition frequencies.

2.2. Test Setup



2.3. EUT Configuration on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

2.4. Operating Condition of EUT

- 2.4.1. Setup the EUT as shown in Section 2.2.
- 2.4.2. Turn on the power of all equipments.
- 2.4.3. Let the EUT work in test mode and measure it.

Anbotek (Guangzhou) Compliance Laboratory Limited

^{(2) *} Decreasing linearly with logarithm of frequency.



Report No.:18250EC10102501 Page 8 of 25

2.5. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.4-2014 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

All the test results are listed in Section 2.6.

2.6. Test Results

PASS

The test curves are shown in the following pages.



Report No.:18250EC10102501 Page 9 of 25

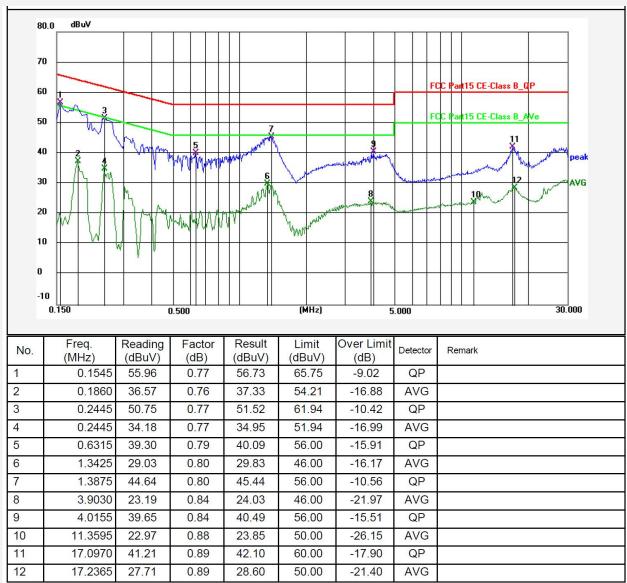
Conducted Emission Test Data

Test Mode: Charging Mode

Test Site: 1# Shielded Room
Test Specification: AC 120V, 60Hz

Comment: Live Line

Temp.: 23.5℃ Hum.: 54%





Report No.:18250EC10102501 Page 10 of 25

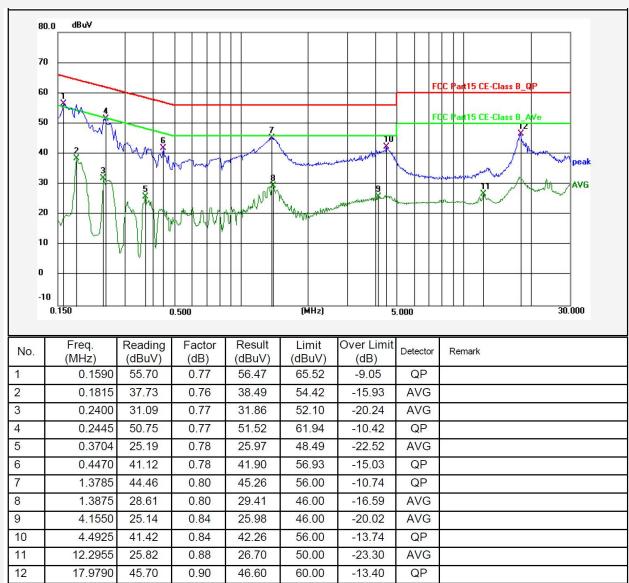
Conducted Emission Test Data

Test Mode: Charging Mode

Test Site: 1# Shielded Room
Test Specification: AC 120V, 60Hz

Comment: Neutral Line

Temp.: 23.5℃ Hum.: 54%





Report No.:18250EC10102501 Page 11 of 25

3. Radiated Emission Test

3.1. Test Standard and Limit

	6/1/		VAU.	Part.	to (C) **	- 44		
(-	Test Standard	FCC Part	15 Subpart	t B Anbotek	Vupo,	A. abolek	Anboren	Anbo

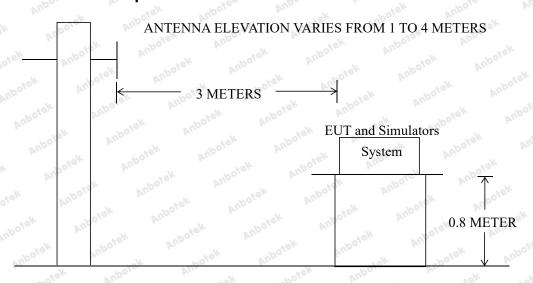
Radiated Emission Test Limit (Subpart B Class B)

	Frequency	DISTANCE	FIELD STRENGTHS LIMIT	
	(MHz)	(Meters)	μV/m	(dBμV/m)
Test Limit	30 ~ 88	3	100	40
	88 ~ 216	Anto 3	150 Anbo	43.5
	216 ~ 960	potek Arigot Ari	200	100 ¹⁰⁰ 46
8	960 ~ 1000	shotek 3nbote	500	54

Remark: (1) Emission level (dB) μ V = 20 log Emission level μ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.2. Test Setup



GROUND PLANE

3.3. EUT Configuration on Measurement

The following equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

Anbotek (Guangzhou) Compliance Laboratory Limited

Code:GZAB-EMC-04-k



Report No.:18250EC10102501 Page 12 of 25

3.4. Operating Condition of EUT

- 3.4.1. Setup the EUT as shown in Section 3.2.
- 3.4.2. Turn on the power of all equipments.
- 3.4.3. Let the EUT work in test mode and measure it.

3.5. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (Trilog Broadband Antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (ESCI) is set at 120kHz.

The frequency range from 30MHz to 1000MHz is checked.

The test results are listed in Section 3.6.

3.6. Test Results

PASS

The test curves are shown in the following pages.



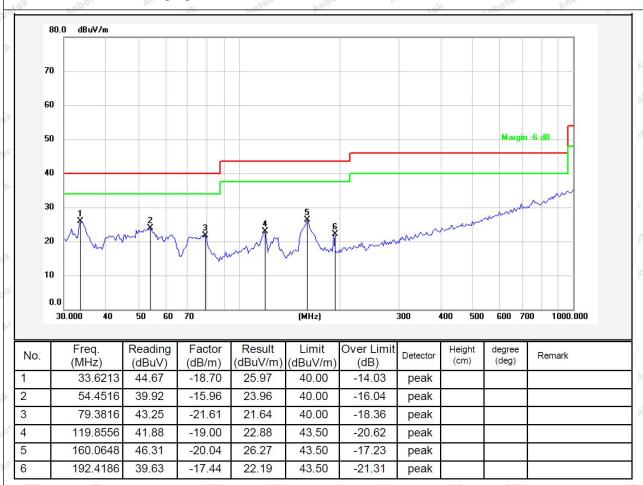
Report No.:18250EC10102501 Page 13 of 25

Test item: Radiation Test Polarization: Horizontal

Standard: (RE)FCC Part 15 Subpart B Power Source: AC 120V, 60Hz

Distance: 3m Temp.(°C)/Hum.(%RH): 26(°C)/54%RH

Test Mode: Charging Mode





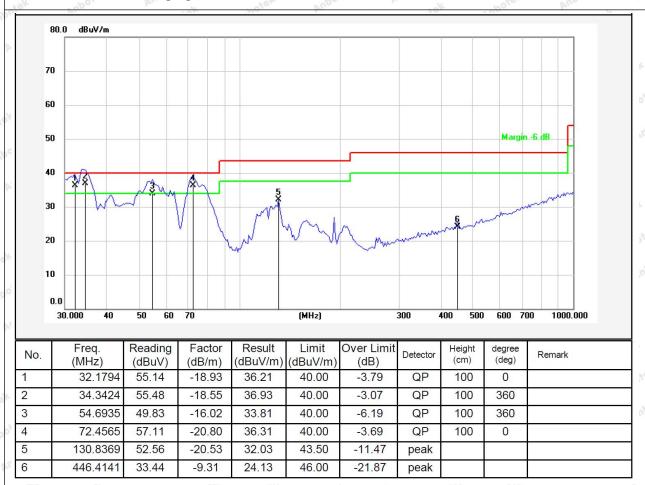
Report No.:18250EC10102501 Page 14 of 25

Test item: Radiation Test Polarization: Vertical

Standard: (RE)FCC Part 15 Subpart B Power Source: AC 120V, 60Hz

Distance: 3m Temp.(°C)/Hum.(%RH): 26(°C)/54%RH

Test Mode: Charging Mode





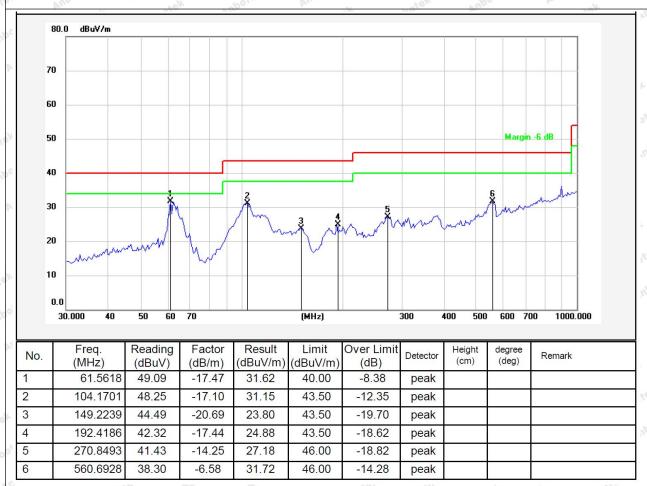
Report No.:18250EC10102501 Page 15 of 25

Test item: Radiation Test Polarization: Horizontal

Standard: (RE)FCC Part 15 Subpart B Power Source: DC 36V

Distance: 3m Temp.(°C)/Hum.(%RH): 26(°C)/54%RH

Test Mode: Riding Mode





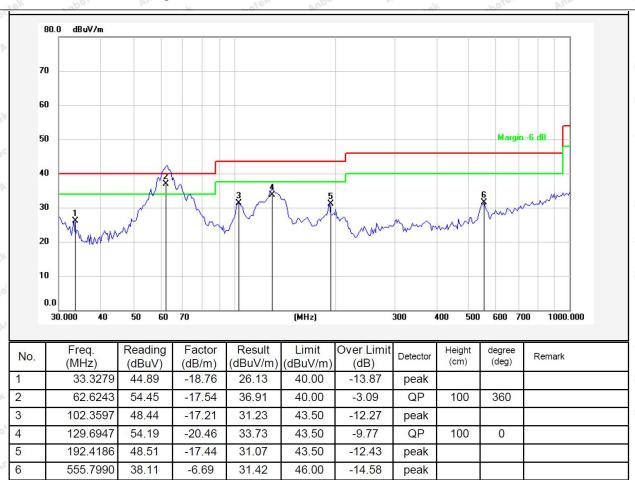
Report No.:18250EC10102501 Page 16 of 25

Test item: Radiation Test Polarization: Vertical

Standard: (RE)FCC Part 15 Subpart B Power Source: DC 36V

Distance: 3m Temp.(°C)/Hum.(%RH): 26(°C)/54%RH

Test Mode: Riding Mode





Report No.:18250EC10102501 Page 17 of 25

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Power Line Conducted Emission Test

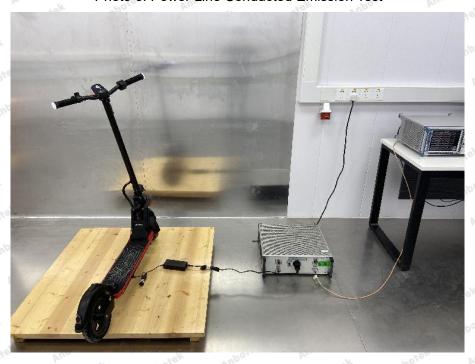


Photo of Radiated Emission Test





Report No.:18250EC10102501 Page 18 of 25

APPENDIX II -- Photo documentation

1-3-1







Report No.:18250EC10102501 Page 19 of 25







Report No.:18250EC10102501 Page 20 of 25







Page 21 of 25 Report No.:18250EC10102501







Page 22 of 25 Report No.:18250EC10102501

1-3-2







Page 23 of 25 Report No.:18250EC10102501







Report No.:18250EC10102501 Page 24 of 25

1-3-3







Report No.:18250EC10102501 Page 25 of 25





----- End of Report -----