

Report No.:	TW2303153E
Applicant:	Shenzhen Zhongnuoneng Technology Co., Ltd
Product:	DOORLELL
Model No.:	ZNNF11, F11, F11A, F11B, F11C
Trademark:	OWNZNN
Test Standards:	FCC Part 15.249
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility
Approved By	
Terry Tong	



Manager

Dated:

April 06, 2023

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Report Conclusion Content

	• • • • • • • • • • • • • • • • • • • •	
1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration	5
1.6	Test Uncertainty	5
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
4.0	EUT Modification	7
5.0	Power Line Conducted Emission Test	8
5.1	Schematics of the Test	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit	9
5.6	Test Result	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition	13
6.4	Radiated Emission Limit	13
6.5	Test Result	15
7.0	Band Edge	23
7.1	Test Method and Test Procedure	23
7.2	Radiated Test Setup	23
7.3	Configuration of the EUT	23
7.4	EUT Operating Condition	23
7.5	Band Edge Limit	23
7.6	Band Edge Test Result	24
8.0	Antenna Requirement	28
9.0	20dB bandwidth measurement	29
10.0	FCC ID Label	32
11.0	Photo of Test Setup and EUT View	33

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



1.0 General Details

1.1 Test Lab Details

Name:SHENZHEN TIMEWAY TESTING LABORATORIES.Address:Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le
Village, Nanshan District, Shenzhen, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File with the Federal Communications Commission – United SatesRegistration Number: 744189For 3m Anechoic Chamber

1.2 Applicant Details

Applicant:	Shenzhen Zhongnuoneng Technology Co., Ltd
Address:	No. 47, 1st Floor, Qingshuihe Commercial Street, Caopu West Community, Qingshuihe Street,
	Luohu District, Shenzhen
Telephone:	
Fax:	

1.3 Description of EUT

1	
Product:	DOORLELL
Manufacturer:	Shenzhen Zhongnuoneng Technology Co., Ltd
Address:	No. 47, 1st Floor, Qingshuihe Commercial Street, Caopu West Community,
	Qingshuihe Street, Luohu District, Shenzhen
Trademark:	OWNZNN
Model Number:	ZNNF11
Additional Model Name	F11, F11A, F11B, F11C
Rating:	DC5V, 1A
Battery	DC3.7V, 1000mAh Li-ion battery
Power Supply:	Model: JB-003-01
	Input: 100-240V~, 50/60Hz, 0.2A MAX; Output: DC5V,1000mA
Modulation Type:	GFSK
Operation Frequency:	2404-2480MHz
Channel Number:	77
Channel Separation:	1MHz
Hardware Version:	F-6900C_P30_V1.0
Software Version:	OUTSIDE-V1.2
Serial No.:	ZNNF90007629

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Antenna Designation PFC antenna with gain 4.20dBi Max (Get from the antenna specification)

- 1.4 Submitted Sample: 1 Samples
- 1.5 Test Duration 2023-03-10 to 2023-04-06
- 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Conducted Emissions Uncertainty =3.6dB Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Andy -Xing

The sample tested by

Print Name: Andy Xing

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17
LISN	R&S	EZH3-Z5	100253	2022-07-18	2023-07-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-07-18	2023-07-17
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2022-07-15	2023-07-14
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2022-07-18	2023-07-17
Power sensor	Anritsu	MA2491A	32263	2022-07-18	2023-07-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2022-07-15	2023-07-14
EMI Test Receiver	RS	ESCS 30	834115/006	2022-07-15	2023-07-14
Spectrum	HP/Agilent	E4407B	MY50441392	2022-07-15	2023-07-14
Spectrum	RS	FSP	1164.4391.38	2022-07-15	2023-07-14
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2022-07-15	2023-07-14
RF Cable	Zhengdi	7m		2022-07-15	2023-07-14
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-07-15	2023-07-14
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-07-15	2023-07-14
LISN	SCHAFFNER	NNB42	00012	2022-08-18	2023-07-17
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.



3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:				
Standard	Test Type	Result	Notes	
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies	
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies	
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies	

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249 , ANSI C63.4 :2014 and ANSI C63.10 :2013

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

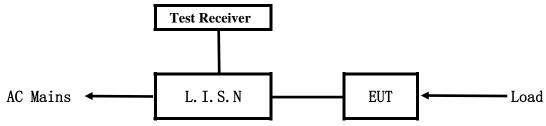
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



5. Power Line Conducted Emission Test

5.1 Schematics of the test

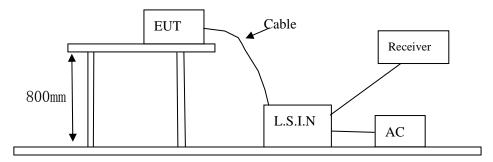


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 500hm/50uH as specified by section 5.1 of ANSI C63.10–2013. Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 77 channels are provided to the EUT

A.	EUT

Device	Manufacturer	Model	FCC ID
DOORLELL	Shenzhen Zhongnuoneng	ZNNF11, F11, F11A,	2AS5R-ZNNF11
DOOKLELL	Technology Co., Ltd	F11B, F11C	2A55K-ZININF11

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



B. Internal Device

2.				
	Device	Manufacturer	Model	FCC ID/DOC
	N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition Operating condition is according to ANSI C63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition
- 5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (d	IB μ V)
(MHz)	Quasi-peak Level	Average Level
$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*
$0.50~\sim~5.00$	56.0	46.0
$5.00 \sim 30.00$	60.0	50.0

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



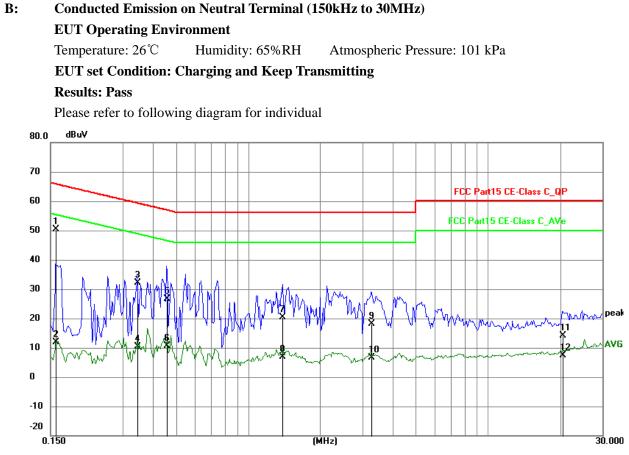
Conducted Emission on Live Terminal (150kHz to 30MHz) A: **EUT Operating Environment** Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa **EUT set Condition: Charging and Keep Transmitting Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class C_QP 60 FCC Part 5 CE-Class C_AVe 50 40 30 ለሶለ peak 20 þ AVG 10 ΗA 0 -10 -20 30.000 0.150 (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1617	27.45	9.78	37.23	65.38	-28.15	QP	Ρ
2	0.1617	10.87	9.78	20.65	55.38	-34.73	AVG	Р
3	0.2787	26.25	9.76	36.01	60.85	-24.84	QP	Р
4	0.2787	8.43	9.76	18.19	50.85	-32.66	AVG	Ρ
5	0.4386	19.79	9.77	29.56	57.09	-27.53	QP	Р
6	0.4386	6.43	9.77	16.20	47.09	-30.89	AVG	Ρ
7	1.3395	13.36	9.79	23.15	56.00	-32.85	QP	Р
8	1.3395	2.24	9.79	12.03	46.00	-33.97	AVG	Р
9	5.7378	2.42	9.96	12.38	60.00	-47.62	QP	Р
10	5.7378	-3.50	9.96	6.46	50.00	-43.54	AVG	Ρ
11	21.9852	8.53	10.80	19.33	60.00	-40.67	QP	Ρ
12	21.9852	-2.14	10.80	8.66	50.00	-41.34	AVG	Р

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1578	40.49	9.78	50.27	65.58	-15.31	QP	Р
2	0.1578	2.11	9.78	11.89	55.58	-43.69	AVG	Р
3	0.3450	22.45	9.76	32.21	59.08	-26.87	QP	Р
4	0.3450	0.59	9.76	10.35	49.08	-38.73	AVG	Р
5	0.4581	16.82	9.77	26.59	56.73	-30.14	QP	Р
6	0.4581	0.95	9.77	10.72	46.73	-36.01	AVG	Р
7	1.3902	10.57	9.79	20.36	56.00	-35.64	QP	Р
8	1.3902	-2.96	9.79	6.83	46.00	-39.17	AVG	Р
9	3.2730	8.31	9.86	18.17	56.00	-37.83	QP	Р
10	3.2730	-3.35	9.86	6.51	46.00	-39.49	AVG	Р
11	20.4408	3.31	10.71	14.02	60.00	-45.98	QP	Р
12	20.4408	-3.28	10.71	7.43	50.00	-42.57	AVG	Ρ

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

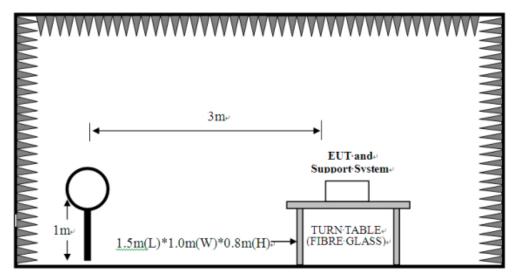


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

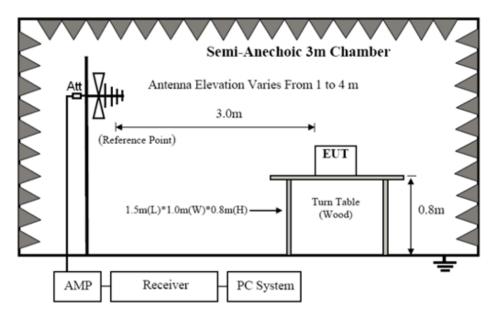


For radiated emissions from 30MHz to1GHz

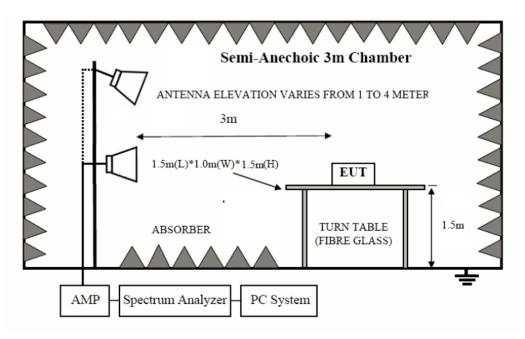
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field Strength of Harmonics (3m)			
(MHz)	mV/m	n dBuV/m			uV/m dBuV/m		
2400-2483.5	50	94 (Average) 114 (Peak)		500	54 (Average)	74 (Peak)	
	1 (15 15						

Note: 1. RF Field Strength (dBuV) = $20 \log RF$ Voltage (uV)

2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

te: 1. RF Voltage (dBuV) = $20 \log \text{RF Voltage (uV)}$

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.

6. Battery full charged during tests.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

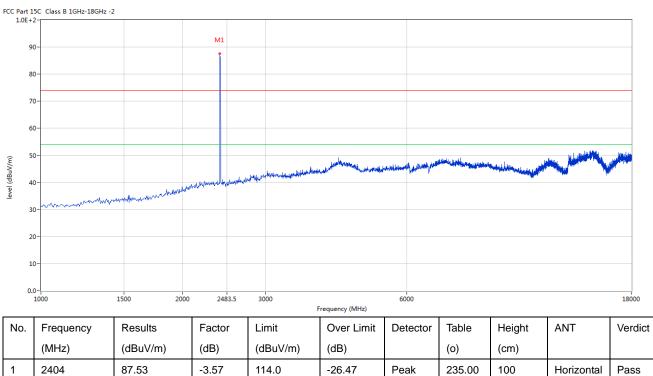


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2404MHz

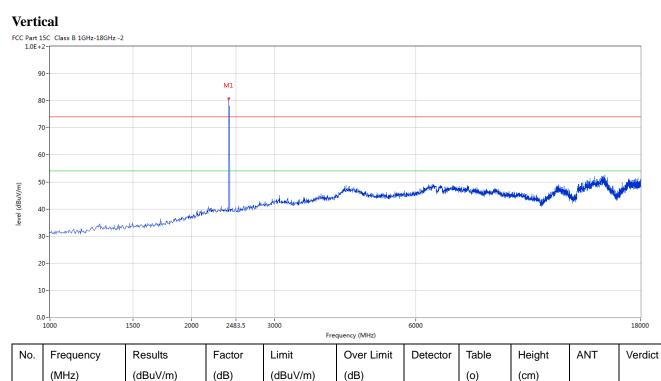
Horizontal



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





-33.09

158.00

100

Vertical

Pass

Peak

The report refers only to the sample tested and does not apply to

80.91

-3.57

114.0

2404

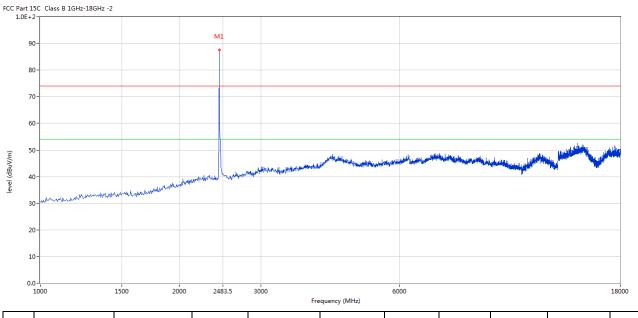
1

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal

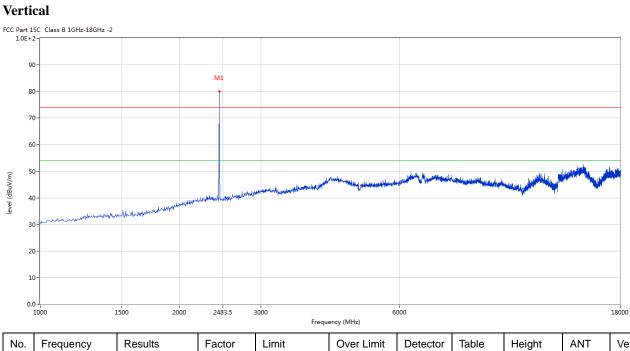


Ν	о.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2440	87.50	-3.57	114.0	-26.50	Peak	229.00	100	Horizontal	Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	80.09	-3.57	114.0	-33.91	Peak	230.00	100	Vertica	Pass

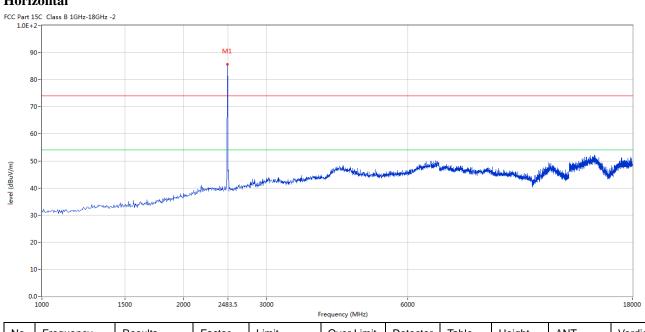
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

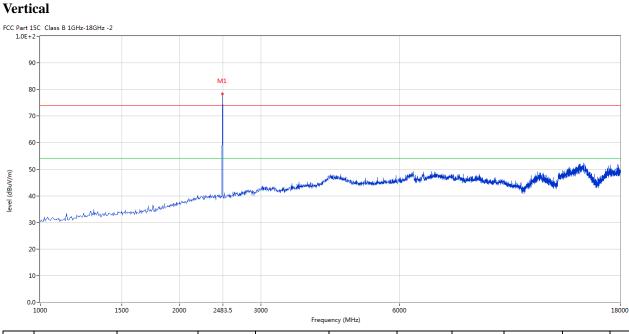


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	86.66	-3.57	114.0	-27.34	Peak	232.00	100	Horizontal	Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	78.37	-3.57	114.0	-35.63	Peak	233.00	100	Vertica	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

(3) Margin=Emission-Limits

- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, it is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



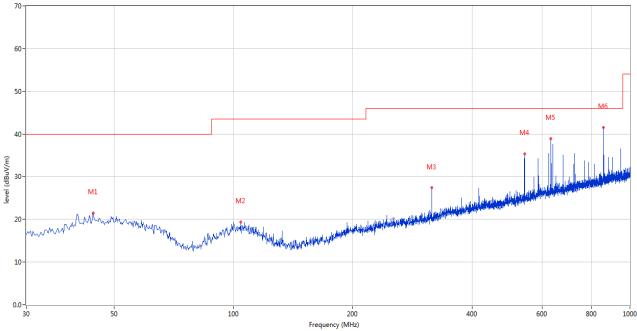
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	44.304	21.43	-11.46	40.0	-18.57	Peak	283.00	100	Horizontal	Pass
2	104.186	19.32	-13.30	43.5	-24.18	Peak	108.00	100	Horizontal	Pass
3	316.078	27.36	-10.79	46.0	-18.64	Peak	268.00	100	Horizontal	Pass
4	542.032	35.29	-6.36	46.0	-10.71	Peak	360.00	200	Horizontal	Pass
5	632.219	38.88	-4.83	46.0	-7.12	Peak	118.00	100	Horizontal	Pass
6	857.931	41.58	-2.37	46.0	-4.42	Peak	56.00	100	Horizontal	Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



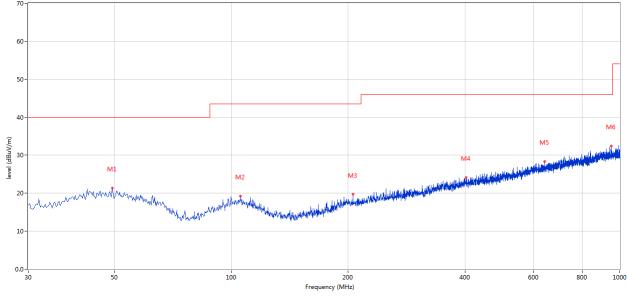
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	49.395	21.32	-11.28	40.0	-18.68	Peak	360.00	200	Vertical	Pass
2	105.399	19.20	-13.25	43.5	-24.30	Peak	132.00	200	Vertical	Pass
3	205.769	19.71	-13.63	43.5	-23.79	Peak	360.00	200	Vertical	Pass
4	402.629	24.08	-8.61	46.0	-21.92	Peak	110.00	100	Vertical	Pass
5	640.947	28.29	-4.74	46.0	-17.71	Peak	249.00	100	Vertical	Pass
6	951.270	32.46	-1.61	46.0	-13.54	Peak	249.00	100	Vertical	Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

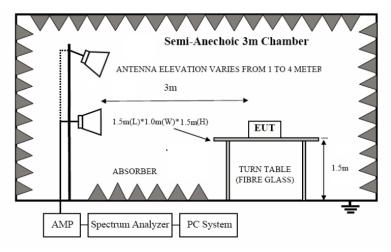


7. Band Edge

7.1 Test Method and test Procedure:

- The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7.2 Radiated Test Setup



For the actual test configuration , please refer to the related items - Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least

50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



7.6 Test Result

	Product:		DOORLELL				Polarity		Horizontal							
	Mode	Ke	eping Trar	nsmitting	Т	est Voltag	e	DC3.7V								
Te	mperature	ature 24 deg. C, Humidity				Humidity 56% R		Humidity 56% RH			56% RH				56% RH	
Te	est Result:		Pass													
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2														
1.021	2						M1									
g	90 -						^^	L								
8	30 -							\								
7	70-															
6	50 -							N I								
								\rightarrow								
5	-00							· · · · ·								
					M3		Ma									
u/ang		าสารา มีกล่างเป็นสระปฏิจาริการการการสารสารประสาร	the survey and the state of the	lest of a first start for the start and a start and		the states the burner of	UL Ma	tenterin	inthe contract of the second	(Johan						
u/angn) iaaai		norshin nafafiri yazaratkada	the amount in the states of the second states of the second states of the second states of the second states of	lest of destined and and and and		ter and the second s	M.	Transient	institution and a second s	(.k)ther						
W/Angn) 4	10 - upudildhistopistetalahajintoashgi	ากกระไฟส์เหมืองไป เหมาะไฟส์เหมืองไป	ild i Miron a cari da di ila di ila di c	ins in her to a star a second second second		ar, seestleburaris	MM -	hunter	haddyr a dan a dago a bran shugh a	(.lýber						
14 14 14 14 14 14 14 14 14 14 14 14 14 1	10 - <mark></mark>	norestaanseer of only en second sector	dd y mewn a cwed Hendrich And	เอริเทริสารที่สุดที่สุดที่สารที่สารที่สารที่สารที่สารที่สารที		Ar, seen the transformers		Import								
14 14 14 14 14 14 14 14 14 14 14 14 14 1	10 - www.http://www.attachingsint.co.ngs 10 -	nan bin antal the income	lide antres-exceed the detailed as	ietorlegijardenskastrom		a,			inthe industry of the state of the							
u (Ango) 3 3 1 0	10 - <mark></mark>	างงางได้สาวเล่ะสำนัญการ 	de generation a constitue destation des	เขรางการแข่งสารสารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที่สารที		et a describer				2420						
u (Ango) 3 3 1 0	10	nave, bien an derken, inn, verschlander	1642-1000-0e64-10-absterdar			er en										
U/ADDD 4 3 2 1	10			F	requency (MHz)					2420						
u (Ango) 3 3 1 0	10	Results	Factor	F	requency (MHz)	Detector	Table	Height								
3 2 1	10			F	requency (MHz)		Table (o)			2420						
2 1 0 No.	10	Results	Factor	F	requency (MHz)			Height		2420						
3 2 1	10	Results (dBuV/m)	Factor (dB)	F Limit (dBuV/m)	requency (MHz) Over Limit (dB)	Detector	(o)	Height (cm)	ANT	2420 Verdic						

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



	Product:		DOORLE	ELL		Detector Test Voltage		Vertical			
	Mode	le Keeping Transmitting					DC3.7V		DC3.7V		
Te	emperature	nperature 24 deg. C,		24 deg. C,				56% RH			
Te	est Result:		Pass								
CC Part 1.0E+	15C Class B 1GHz-18GHz	-2									
ġ	90-						M1	L			
8	80-						\wedge	1			
1	70-							7			
(60-							- η			
								4			
(m/an	50 -				M3			1 h			
	10-	เขารู้เกิดสารารรูปเรื่องการเป็นรูปการไปประเทศ	ertheidenershippinisterStrand, ung	un service and the second service and		harraphakan kanasi afan sisikitat	M2	h	djälleneliseesteereteräpteristeeretere	les hit o the second	
-	10-	หม่งการระบาร์การรู้การระบารการการการการการการการการการการการการกา	re-Huilan-solgnisalints)kaad,arag	ระบบสะดงสะจารระชางระไม่สุงโอาสูงตารี่ไม่สารร		harapahan na alamatika	M2	1 hours	dijili na kaosimi na siyo na si	her halo and a support.	
	40- <mark>4440-1440-1440-1440-1440-1440-1440-1</mark>	nosa na galana nasa sinashi yansih	unterinationalised and and	ระบองสาของสีของารไปสี่ยงอายุโองกับ อังคุณ		herefeite <i>er</i> tenet al artefitet	M2	1 Marine	syddawl carbor on officially syna	<u>le li ett 1997</u>	
	40	ninga ta nga nga nga nga nga nga nga nga nga ng	angunamataning	ารแรงสารครูสุขางท่างไม่ระบง แรงหรื่ L dea		harrapiska colosovi algenistika	M2	"	dalkarkendersendelsendersen	Les balands register	
	40- 	ninga a salamangan direkti ang kanadi	ertoitus-nistanistaikadradradradrad	terreducersperientelske der gemeinde dere		korariskovi elesistika	M2		egetan kana jaran siya kata yang sa	le-lateritionpet	
ievei (abuv/m	40	non an	an quaramenta da		internet an	korarskovne doviška	M2	haven	aska konstructivni konstructivni 	2420	
ervei (abuv/m	40			F	requency (MHz)		41000.330 ⁰			2420	
level (dbuV/m	40	Results	Factor	F Limit	requency (MHz)	Detector	Table	Height	ANT		
W/Angp) iavai	40- 	Results (dBuV/m)	Factor (dB)	F Limit (dBuV/m)	requency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2420 Verdic	
level (dbuV/m	40	Results	Factor	F Limit	requency (MHz) Over Limit (dB) 6.71		Table (o) 164.00	Height		2420	
W/Angp) iavai	40- 	Results (dBuV/m)	Factor (dB)	F Limit (dBuV/m)	requency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2420 Verdic	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



	Product:			Pola	rity		Horizonta	ıl			
	Mode	k	Keeping Tr	ransmitting		Test V	oltage		DC3.7V		
Te	mperature		24 de	g. C,		Humidity 569			56% RH		
Te	est Result:		Pa	SS		-	-				
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2									
			м	,							
9	90 -		~~~	``````````````````````````````````````							
8	30 -			\rightarrow							
7	70-										
6	50 -		/	$\langle \rangle$							
			(
_											
(m/vie	50 -	/		h.	1						
(m/vudb) 1945	10-	an in the second se	<u> </u>	•	har and the state of the state	esiumidijdetintijkrysteksjonedisje	shusinstrinum, falish terrespinstrasi	cashire.mashesheshesheafiyadiradiradiradira	kihaidadoraraooliskiinaa aykaaotaa eeso	terty and staff and at	
u/vudu) 19491	10-		, 		Hampsonstation	۲۰۶۰،۰۰۰،۲۰۶۵۲۹،۰۰۲۵،۲۰۲۰ ۱۹۹۹ - ۲۰۹۰،۲۰۹۰ ۲۰۹۰،۲۰۹۰ ۲۰۹۰،۲۰۹۰	hurdering filtigenerister	santina na stant faqat nafa santa a	hturialdeaserative lande adaustrum av de	म्बर्ग्स् सर्वु गर्न्स	
W/Angn) 4 3	10-	ensiedennes inderedensied	<u></u>		hassifictured and a	જારતા અને	denserien, fieldersogenden	radia antia fadina fadina fadina	มีขันวง เรื่อง เราะอาจรังว่า ในของสินเมษ อาจรั	Line on the format	
ш/лпдр) 4 Элээ 3 2	10 - <mark> </mark>	en italian in a italia a italia a italia			hand the second second	ngumatigéticai kapatisi na kadadi	landar tara da ja karan da ja karan da sa	รางฟ้างจารที่เหตุใหม่ไรม่จางที่ระเ	hingi dan menda katan		
ш/лпдр) 4 Элээ 3 2	10	ensedaminaturitations to maint			han the second second	n gener til første for skrive skrive	arana, berkenna ber		પ્રેમેન્ટ્રાન્ટ્રી પ્રદા કરતાનો, કે વિચ્છે કરેમાં છી છે. અને અને ક્	144 Y 61 (4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
لللل (International Content of the second	10 - <mark> </mark>	erritedesminetrationstat		2483.	5	<i>યુક્તાનાં મેકું લક્ષ્યું મ</i> ુક્તારં છું કરતાં હતું	denserran der de takon er der se	yultanskafgeladegeda	khaidden aced o hann abadhar ar e	2500	
4//mg (dgn/) 3 2 1 0.	10			1	5 Frequency (MHz)					2500	
(۱۹۹۳) (۱۹۹۳) 4 ۱۹۸۹ 3 2 1	10	Results	Factor	Limit	5 Frequency (MHz) Over	Detector	Table	Height	ANT	2500	
4 عنوا (۱۹۹۹) 2 عنوا (۱۹۹۹) 1 مربع 1 مربع 1 مربع 1 مربع 1 مربع 1 مربع 1	10	Results (dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdic	
لللل (Index (المراجع) المراجع) 1 0.	10	Results		Limit	5 Frequency (MHz) Over		Table	Height		2500	
س///ngp) 4 3 2 1 0. No.	10	Results (dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdic	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



	Product:	DOORLELL				Detector		Vertical				
	Mode	Ke	eping Trar	nsmitting	Test Voltage DC3.7V					7V		
Te	mperature		24 deg.	С,	Н	umidity		56% RH				
Te	est Result:	Result: Pass										
CC Part 1 1.0E+	15C Class B 1GHz-18GHz 2-	-2					•					
g	10-											
8	0-		M1	、 、								
7	0-											
6	i0-											
			1									
(m/v			/	M2								
level (dbuV/m)	:0 - 10	our man and a second second	/	M2	weeksi internationalise		a <mark>, 14, 144,1</mark> 44,49,164,41,41,40,41,1	rajimirin dan si sa tesa ya da siyin	handerstander ander and and and and and and a	endlighter		
4 (apn/m	0-	rumanousian	/	M2	Methodological and the second	vidender, sedagiseder den sy	a juh det ti san tire si se santi f	esimenteuri es vere es de privi	hadiretaniji wektoda	len,djojenjenje		
level (dbuV/m 5	10- 		/	M2	wsetiaideiseniknathanen	nadenade na je i konstante po po po po	ay helefatti ta ga ta da an an an an	natural land on the order of the pairs	hadaren mitat sisklandas	ladjuljaup		
evel (dBuV/m 2	10 - 	ourone and a second	/	M2	^พ างสังหรับประเทศ	n na standa se sta da se sta da se	ni di dette secondo	almentes de vien ye konst	hadoora ay is the day	ladjuljavj		
4 (dpn/) اهدوا (dpn/) 1 0	0	ourniesesterminie		M2	¹ างขังเข้ะไปเกริง เป็นเหรือ	salanda katala katal	sinkilettissenter internette	rainenteurin, isa co Logis	hadoren atur shika da			
4 (dpn/) اودوا (dpn/) 2 1	10	ormonisconous de la constante		2483.5 Fr	www.addukast.adaanna equency (MHz)	งงารและสิระห์ระได้ระจะคราม 	ajalatistusesterijulanusti	nationalisation time of design	quadourinanjini tekstoria	2500		
4 (dpn/) اهدوا (dpn/) 1 0	0	Results	Factor			Detector	Table	Height	ANT	2500		
evel (d8m/) 3 2 1	0		Factor (dB)	Fr	equency (MHz)					2500		
evel (d8m/) 3 2 1	0	Results		Limit	equency (MHz)		Table	Height				

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PFC antenna. The antenna gain is 4.20dBi Max. It fulfills the requirement of this section. Test Result: Pass

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Product:	DOORLEL	L	Te	est Mode:		Keep transmitting		
Mode	Keeping Transm	nitting	Tes	st Voltage		DC3.7V		
Temperature				Iumidity		56% RH		
Test Result:	Pass		Ι	Detector		PK		
dB Bandwidth	1.214MHz							
x	Marker 1 [Tl m	ndB]	RBW	100 kH	Iz RI	RF Att 20 di		
Ref Lvl		.00 dB	VBW	300 kH	Iz			
10 dBm	BW 1.214428	386 MHz	SWT	5 ms	s Ui	nit	dBm	
10				V 1	[T1]	-2	.49 dBm	
						2.40374	449 GHz	
0				ndB		20	.00 dB	
		1	\sim	BW		1.21442	886 MHz	
-10					[T1]	-22	.89 dBm	
						2.40337	776 GHz	
-20				У Т2 Т2	[T1]	-22		
1MAX						2.40459	218 GHz	
-30	man				h	m		
40						<u> </u>		
-50 Walk							and and	
60								
70								
80								
90								
Center 2.404	GHz	300 kHz	z /			Spa	n 3 MHz	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Product:		DC	ORLELL	,	Г	Test Mode:		Keep tra	ansmitting	
Mode		Keepin	g Transmi	tting	Т	Test Voltage DC3.7V			C3.7V	
Temperature		24 deg. C, Pass				Humidity Detector		56% RH PK		
Test Result:										
20dB Bandwidt	h	1.232MHz								
Ref Lv	1	Marker ndB	1 [T1 r	ndB] 00 dB	RBW VBW	100 kH 300 kH		'Att	20 dB	
10 dB			20. .232464		SWT	500 Kr		nit	t dBm	
10						1				1
						▼1	[T1]	-2 2.44023	2.77 dBm 3146 GHz	A
0					~~~ ×	ndB		20	0.00 dB	
			/			BW ▼ _{T1}	(1.23246	5493 MHz	
-10							[T1]	-22 2.43938	2.78 dBm 3377 GHz	
-20		m	مسمر			TT2	[T1]	-22		
1MAX		Ĭ				X		2.44061	623 GHz	1MA
-30	m	new					hanne	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-40	J.									
-50									" "Umm	
-60										
-70										
-80										
-90										
Center	2.44 GH	Iz		300	kHz/			Spa	an 3 MHz	
Date:	21.MAR.2	2023 15	:12:59							

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Pro	duct:		DC	ORLELL	4	,	Test Mode:		Keep tra	ansmitting	
М	lode		Keepin	g Transmi	tting]	Test Voltage	;	DC3.7V		
Temp	Temperature Test Result:		24 deg. C, Pass				Humidity Detector		56% RH PK		
Test											
20dB B	andwidth		1.220MH		0MHz						
R			Marker	1 [T1 r	ndB]	RBW	100 k	Hz R	F Att	20 dB	
	Ref Lvl		ndB	20.	00 dB	VBW	300 k				
10	10 dBm		BW 1	.220440)88 MHz	SWT	5 m	.s U:	nit	dBm	L
10							v 1	[T1]	-2	.45 dBm	A
0-						1			2.48022	545 GHz	
0					minim	min	ndE	8	20	.00 dB	
1.0				<i>ال</i> ر			BW V V _{T1}	[T1]	1.22044	088 MHz .21 dBm	
-10				كلم			X		2.47938		
			T	J			×T.	2 [T1]			
-20	1MAX		7	/			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	< <u></u>	2.48061	.022 GHz	1 MA
								\mathbf{X}			
-30								Ì,			
		Man	~~~~					burn	my -		
-40		1							<u> </u>		
	لممهد								۲	u.	
-50-	m Mr M									Muly	
-60											
-70											
-80											
-90	Center	2.48 GH	7		300	kHz/			Sn=	an 3 MHz	l
				.10.25	500	/			556		
Date:	2	1.MAR.2	2023 15	:19:36							

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



10.0 FCC ID Label

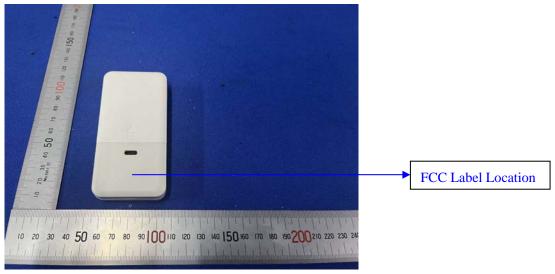
FCC ID: 2AS5R-ZNNF11

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



11.0 Photo of testing

11.1 Conducted test View--



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Radiated emission test view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



11.2

Outside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Outside View

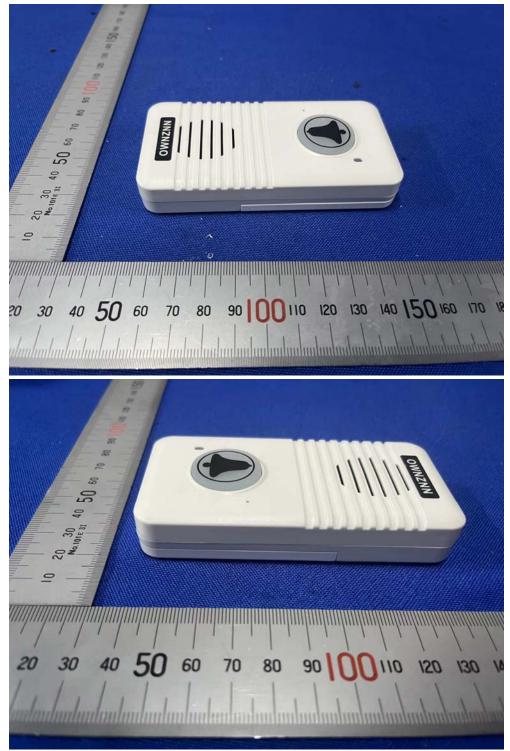


The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Outside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Outside View



The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



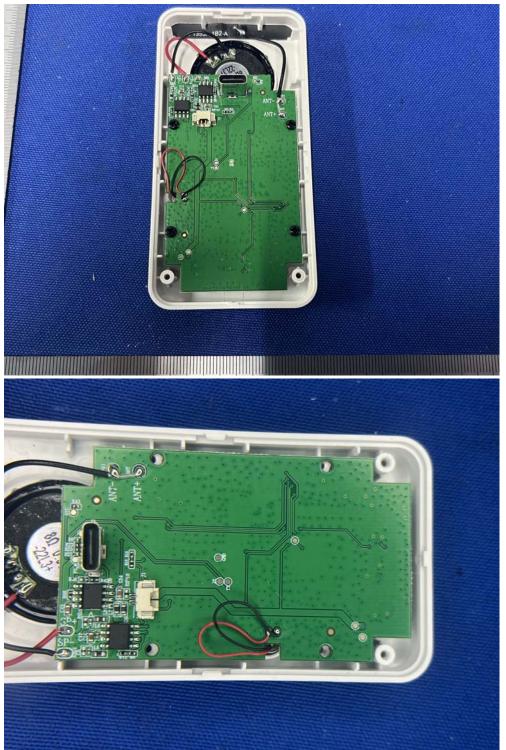


The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Page 40 of 43

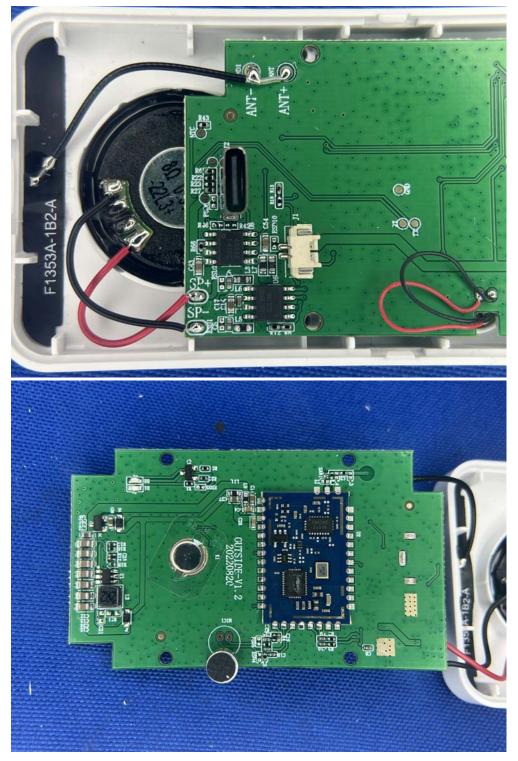
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



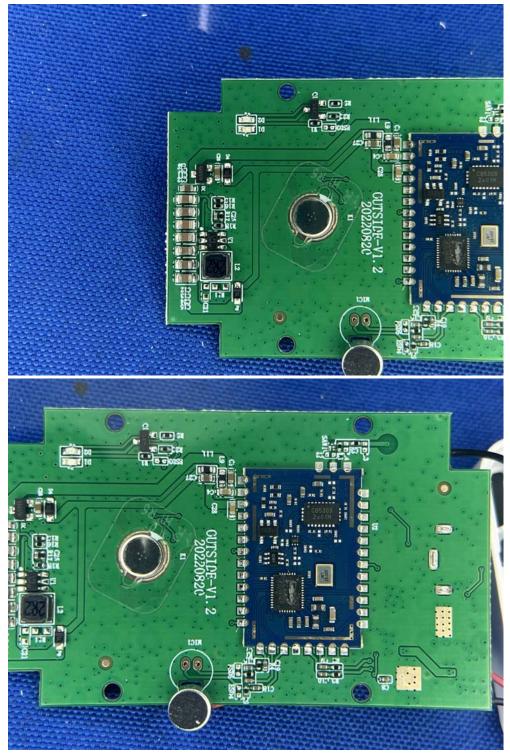
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



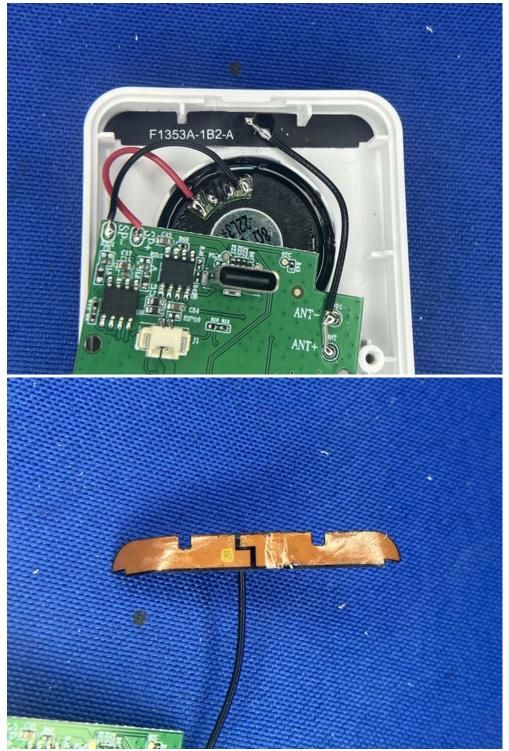
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Inside View



-- End of the Report--

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to