

Report No.: TW2212268E

Applicant: Shenzhen ELET Technology Co.,Ltd

Product: Digital plate handle

Model No.: SC, SC-01, SC-02

Trademark: XENX

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 Tang

Manager

Dated: January 13, 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

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## **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

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# **Test Report Conclusion**

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

11.0

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#### 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, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

#### 1.2 Applicant Details

Applicant: Shenzhen ELET Technology Co.,Ltd

Address: 506 Room, building A, wenle Industrial Zone, Longzhu community, Xixiang street, Bao'an

District, Shenzhen

Telephone: 18924630589

Fax: --

#### 1.3 Description of EUT

Product: Digital plate handle

Manufacturer: Shenzhen ELET Technology Co.,Ltd

Address: 506 Room, building A, wenle Industrial Zone, Longzhu community, Xixiang

street, Bao'an District, Shenzhen

Trademark: XENX
Additional Trademark: N/A
Model Number: SC

Additional Model Name SC-01, SC-02

Rating: DC1.5V

Battery: DC1.5V (1pc AAA battery)
Modulation Type: GFSK (Bluetooth Low Energy)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz
Channel Number: 40

Hardware Version: gamepad\_s1\_dvt4\_20220622C Software Version: EMR\_MOUSE\_V80201\_03

Serial No.: N/A

Antenna Designation PCB antenna with gain 1.50dBi Max (Get from the antenna specification)

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1.4 Submitted Sample: 3 Samples

1.5 Test Duration 2022-12-21 to 2023-01-13

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

The sample tested by

Print Name: Andy Xing

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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		1	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

### 2.1 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

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#### 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	N/A	N/A
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Pass Fundamental		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

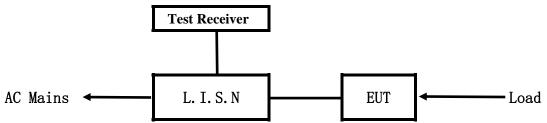
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#### 5. Power Line Conducted Emission Test

## 5.1 Schematics of the test

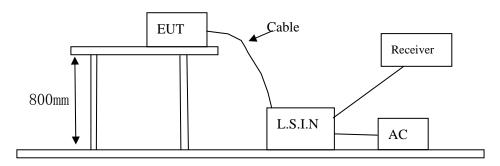


**EUT:** Equipment Under Test

#### 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 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

#### 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.

40 channels are provided to the EUT

#### A. EUT

Device	Manufacturer	Model	FCC ID	
Digital plate handle	Shenzhen ELET Technology Co.,Ltd	SC, SC-01, SC-02	2A3RB-SC	

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#### B. Internal Device

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 (dB μ V)			
(MHz)	Quasi-peak Level	Average Level		
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 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:

N/A

Note: EUT powered by AAA battery, this test item not applicable.

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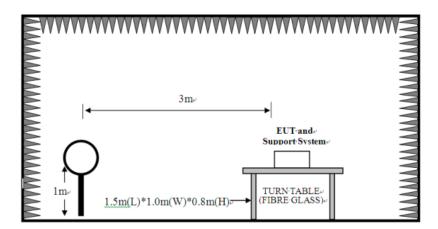


#### **6** Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) 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

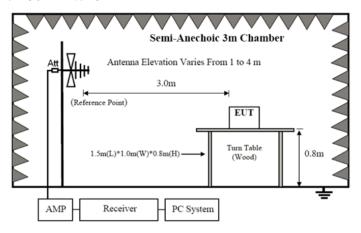


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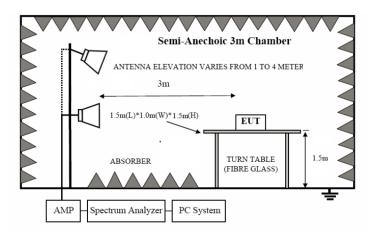
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For radiated emissions from 30MHz to1GHz



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.

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#### 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)	

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		
30-88	3	40.0		
88-216	3	43.5		
216-960	3	46.0		
Above 960	3	54.0		

Note:

- 1. RF Voltage  $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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. New Battery was used during tests.
- 7. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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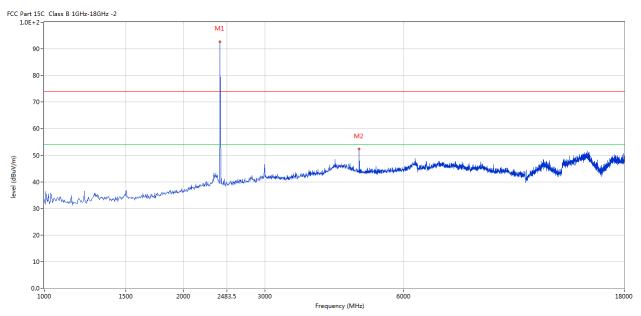


#### 6.5 Test result

## A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

#### Horizontal



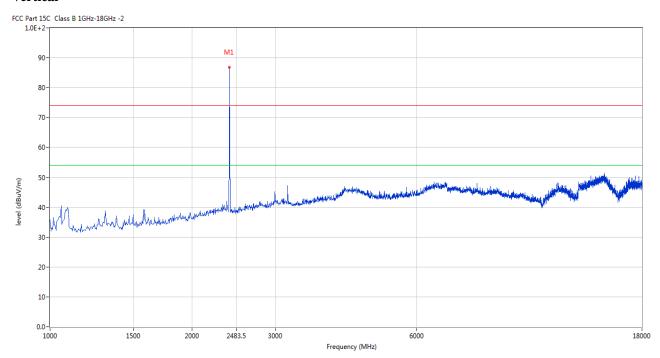
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	92.70	-3.57	114.0	-21.30	Peak	211.00	100	Horizontal	Pass
2	4802.799	52.29	3.12	74.0	-21.71	Peak	211.00	100	Horizontal	Pass

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#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	86.84	-3.57	114.0	-27.16	Peak	207.00	100	Vertical	Pass

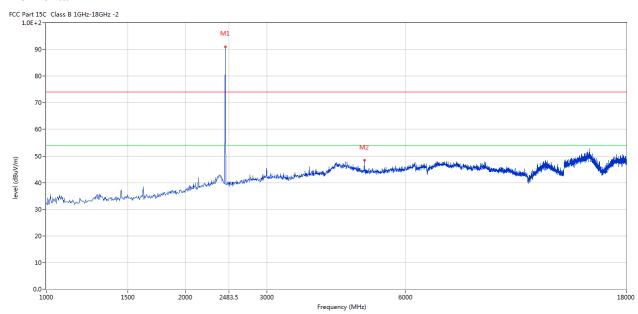
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Please refer to the following test plots for details: Middle Channel-2440MHz

#### **Horizontal**



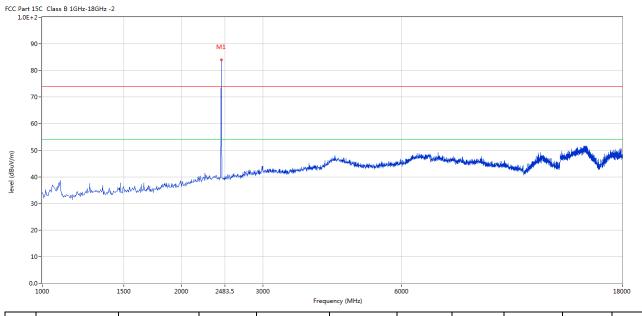
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	91.02	-3.57	114.0	-22.98	Peak	200.00	100	Horizontal	Pass
2	4879.280	48.33	3.20	74.0	-25.67	Peak	200.00	100	Horizontal	Pass

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## Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	83.95	-3.57	114.0	-30.05	Peak	130.00	100	Vertical	Pass

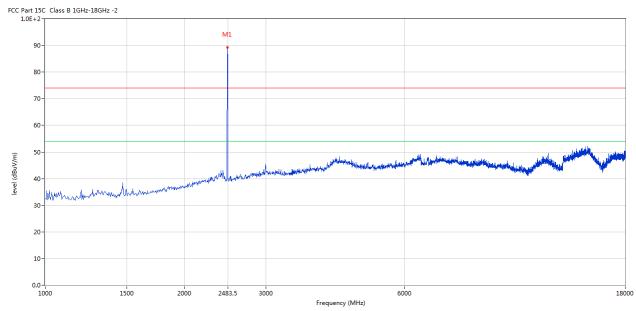
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Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2480	89.25	-3.57	114.0	-24.75	Peak	205.00	100	Horizontal	Pass

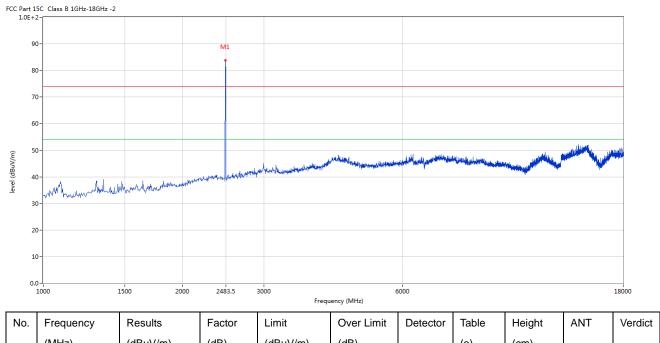
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#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	24780	83.85	-3.57	114.0	-30.15	Peak	295.00	100	Vertical	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.

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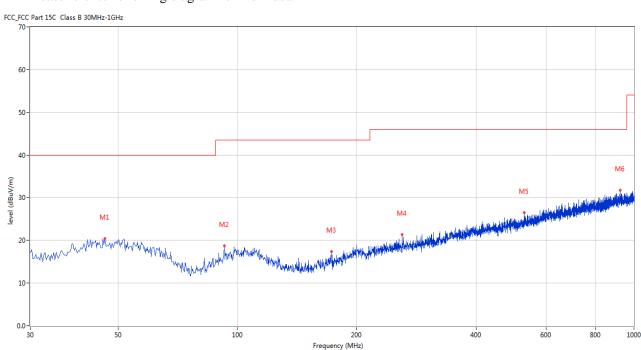


# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	46.243	20.44	-11.41	40.0	-19.56	Peak	359.00	100	Horizontal	Pass
2	92.549	18.67	-14.57	43.5	-24.83	Peak	88.00	100	Horizontal	Pass
3	172.797	17.36	-15.93	43.5	-26.14	Peak	264.00	100	Horizontal	Pass
4	260.075	21.41	-11.84	46.0	-24.59	Peak	206.00	100	Horizontal	Pass
5	527.971	26.46	-6.62	46.0	-19.54	Peak	163.00	100	Horizontal	Pass
6	923.874	31.81	-1.77	46.0	-14.19	Peak	118.00	100	Horizontal	Pass

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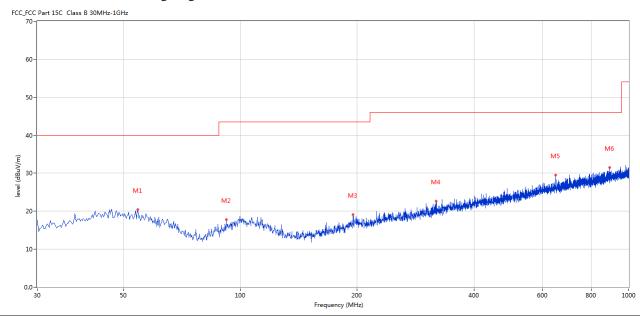


#### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	54.486	20.47	-11.66	40.0	-19.53	Peak	22.00	100	Vertical	Pass
2	92.064	17.85	-14.66	43.5	-25.65	Peak	221.00	100	Vertical	Pass
3	195.101	19.12	-13.78	43.5	-24.38	Peak	81.00	100	Vertical	Pass
4	319.473	22.63	-10.62	46.0	-23.37	Peak	81.00	100	Vertical	Pass
5	648.705	29.54	-4.62	46.0	-16.46	Peak	102.00	100	Vertical	Pass
6	893.327	31.54	-1.92	46.0	-14.46	Peak	12.00	100	Vertical	Pass

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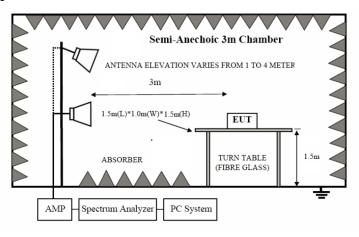


#### 7. Band Edge

#### 7.1 Test Method and test Procedure:

- (1) 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.

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

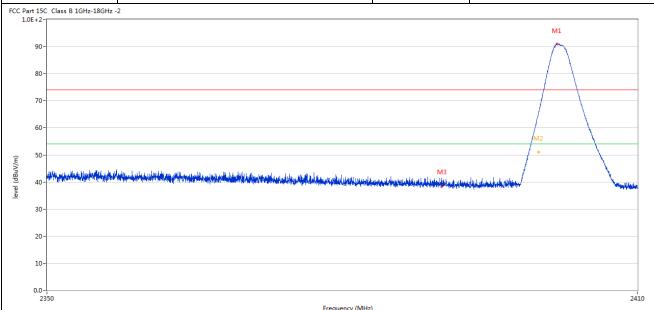
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#### 7.6 Test Result

Product:	Digital plate handle	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC1.5V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
	_		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.752	91.01	-3.57	74.0	17.01	Peak	197.00	100	Horizontal	N/A
2	2400.000	64.73	-3.57	74.0	-9.27	Peak	197.00	100	Horizontal	Pass
2**	2400.000	50.71	-3.57	54.0	-3.29	AV	197.00	100	Horizontal	Pass
3	2390.000	38.61	-3.53	74.0	-35.39	Peak	71.00	100	Horizontal	Pass

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]	Product:		Digital pl	ate handle		Detecto	or	V	ertical	
	Mode		Keeping T	ransmitting		Test Volt	age	D	C1.5V	
Те	mperature		24 de	eg. C,		Humidi	ty	56	5% RH	
Τe	est Result:		Pa	ass						
C Part 1	15C Class B 1GHz-18GHz	-2			•		•			
									M1	
g	90-								$\wedge$	
8								/		
7	70-									
6	50-								-	
	50-									
-	50-							M2		
. 5	50-					Мз				·
. 5		and the second second	erenthemorally supply to passing the hourse	the stage that the price	Mighty the control to hill from the production and the control to	МЗ				-
. 4		day kanada menyerin delektrisi yan da d	eren <mark>d</mark> and help made in earliest.	d borodhagaethigd bellegad eas go sea	Alfrico de la figuração de Librio de la figuração de la figura	Ma				
3	10 - Legipoly, live as legipoly belong	and the state of t	ernfloret nige negdy e prosing historyly	h dan dhaqaalkad balaga kaa qoraa	Marine on the literation of the second	M3	. And the state of			n de la composition della comp
3	10-adiilytukissakayettablasik	has have and consisted 444 feets have a	eneffere hijs wysh ( energy his here)	d, dere fragericket beite at van <sub>d</sub> e see	this come is the little and the street and the stre	M3				and the second
3 2 1	10	day, kanada magaya in dalah da karaja na sabaj	erreflenet helig sagak i erasi kalkalisada	Libros diamentilizat beliepak ten persek	alifa, wanang dalifika dilipolesi admining	M3	al bell in the American			Man de de la constante de la c
. 4 3 3 2 2 1	10 - Landa Albanda Albanda Albanda 20 -	host and married the fact in the state of	eneflowe help week to be an inch should		Manager (MHz)	Ma	i salah jada pada kata da			1
4 3 2 1	10	Results	Factor			Detector	Table		ANT	24
4 3 2 1	10				Frequency (MHz)	makendra in oth Ambanian	al tales and the second	o characteristics	ANT	24
1 1 0 No.	10	Results	Factor	Limit	Frequency (MHz)  Over Limit	makendra in oth Ambanian	Table	Height	ANT Vertical	24
1 No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz)  Over Limit  (dB)	Detector	Table (o)	Height (cm)		24 Verdid
3 2 2	Frequency (MHz) 2402.067	Results (dBuV/m) 85.79	Factor (dB)	Limit (dBuV/m) 74.0	Over Limit (dB)	Detector Peak	Table (o) 206.00	Height (cm)	Vertical	Verdic

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]	Product:		Digital p	late handle		Polar	rity	•	Horizontal	
	Mode		Keeping '	Fransmitting		Test Vo	ltage		DC1.5V	
Te	mperature		24 0	leg. C,		Humi	dity		56% RH	
Te	est Result:		I	Pass						
2 Part 1 1.0E+	15C Class B 1GHz-18GHz	z -2								
9	90-		N	/11						
8	30-									
7	70-									
6	50 -									
5	50-									
4	10-	ممملونية فالمالية والمالية		M	<b>X</b>	in designation was being different or a production	وفرادفوا ووالمالية	And the Assessment	ation and the depth of the state of the state of	
	30-									
2	20-									
1	10-									
0.	.0- <del> </del> 2470			248	3.5 Frequency (MHz)					2
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdi
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
l	2480.092	89.22	-3.57	74.0	15.22	Peak	205.00	100	Horizontal	N/A
					10.00	Б.	005.00	400		
2	2483.500	54.38	-3.57	74.0	-19.62	Peak	205.00	100	Horizontal	Pass

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ŀ	Product:		Digital pl	late handle		Detecto	r	Vertical DC1 5V		
	Mode		Keeping T	ransmitting		Test Volta	age	D	DC1.5V	
Te	mperature		24 de	eg. C,		Humidit	ty	5	6% RH	
Te	est Result:		Pa	ass						
C Part 1	L5C Class B 1GHz-18GHz 2-r	-2					•			
90	0-		M1							
80	0-									
70	0-									
60	0-									
			/	\						
			/	M						
	0-		/							
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30 20 10		Results	Factor			Detector	Table	Height	ANT	2500
30 30 20 10	0-		Factor (dB)	Fi	requency (MHz)					
30 20 10	0- 0- 0- 2470	Results		Limit	requency (MHz)  Over Limit		Table	Height		2500

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

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#### 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 an PCB antenna. The antenna gain is 1.50dBi Max. It fulfills the requirement of this section. Test Result: Pass

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9.0 20dB Bandwidth N Product:	Digital plate handle		Test Mode:	Voor	transmitting
Mode	Keeping Transmitting		Test Voltage		OC1.5V
Temperature	24 deg. C,		Humidity	30	6% RH
Test Result:	Pass		Detector		PK
20dB Bandwidth	1.226MHz				
Ŕ	Marker 1 [T1 ndB]	RBW	100 kHz	RF Att	20 dB
Ref Lvl	ndB 20.00 dB	VBW	300 kHz		
10 dBm	BW 1.22645291 MH:	z SWT	5 ms	Unit	dBm
10			<b>▼</b> 1 [T1	] -	-2.17 dBm
				2.4022	
0			ndB	2	20.00 dB
		(	BW	1.2264	15291 MHz
-10			V <sub>T1</sub> [T		22.03 dBm
			<del>-</del>	2.4013	
-20	T.		VT2 [T		22.04 dBm 51022 GHz
1MAX				2.4020	1MA
-30					
-40					
-50 WM					My
-60					
-70					
-80					
-90 Center 2.40	2 GHz 300	0 kHz/		Sp	oan 3 MHz
Date: 12.JA	AN.2023 15:39:51				

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Product:	Digital	Test Mo	ode:	Keep transmitting			
Mode	Keeping Transmitting		Test Vol	tage	DC1.5V		
Temperature	24 deg. C,		Humid	ity	56% RH		
Test Result:	Pass		Detect	or	PK		
20dB Bandwidth	1.232MHz						
Ref Lvl	Marker 1	[T1 ndB] 20.00 dB		O kHz	RF Att	20 dB	
10 dBm	BW 1.	23246493 MHz	SWT !	5 ms	Unit	dBm	
10			-	1 [T1]	-3 2.44024		A
-10				ndB BW ▼ <sub>T! [T1]</sub>	1.23246	.00 dB 493 MHz .87 dBm	
-20				T2 [T1]	2.43938 -23 2.44061	377 GHz .00 dBm	
-30							1MA
-40							
-50						~	
-60						\hat{\hat{\hat{\hat{\hat{\hat{\hat{	
-70							
-80							
-90							
Center 2.44 GHz 300 kHz/ Span 3 MHz  Date: 12.JAN.2023 15:45:05							

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Product:	Digital plate handle	Test Mode:	Keep transmitting				
Mode	Keeping Transmitting	Test Voltage	DC1.5V				
Temperature	24 deg. C,	Humidity	56% RH				
Test Result:	Pass	Detector	PK				
20dB Bandwidth	1.232MHz						
	Marker 1 [T1 ndB]	RBW 100 kHz	RF Att 20 dB				
Ref Lvl	ndB 20.00 dE						
10 dBm	BW 1.23246493 MF	Iz SWT 5 ms	Unit dBm				
10		<b>▼</b> 1 [5	r1] -2.94 dBm A				
			2.48023747 GHz				
0		ndB	20.00 dB				
		BW ▼ <sub>T</sub>	1.23246493 MHz				
-10			[T1] -23.00 dBm 2.47937776 GHz				
		X <sub>T2</sub>	[T1] -22.88 dBm				
-20	<del> </del>	72	2.48061022 GHz				
1MAX			1MA				
-30	<del>                                      </del>						
40							
-40							
-50 <del>/ / / /</del>							
-60							
-70							
-80							
-90							
Center 2.48 GHz 300 kHz/ Span 3 MHz							
Date: 12.JAN.2023 15:47:54							

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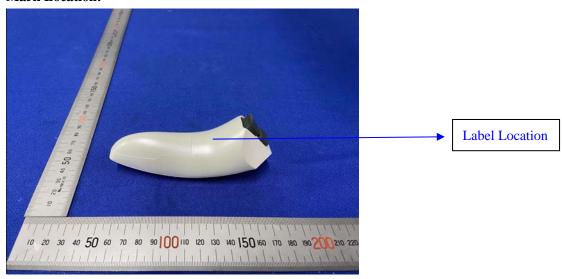


#### 10.0 FCC ID Label

#### FCC ID: 2A3RB-SC

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:**



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11.0 Photo of testing

11.1 Conducted test View-N/A

Radiated emission test view





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

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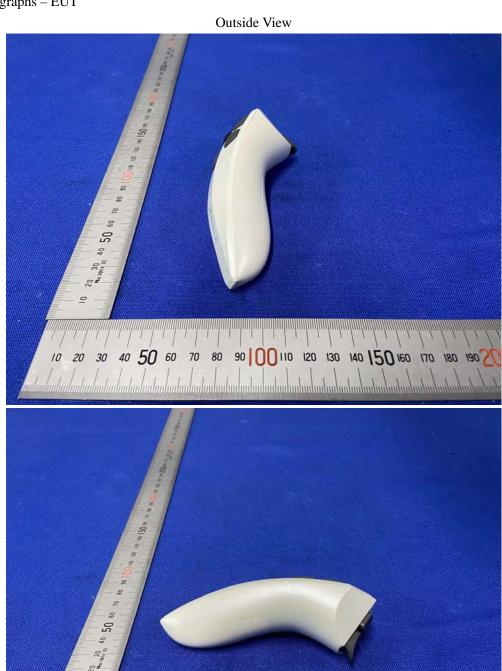
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#### 11.2 Photographs-EUT



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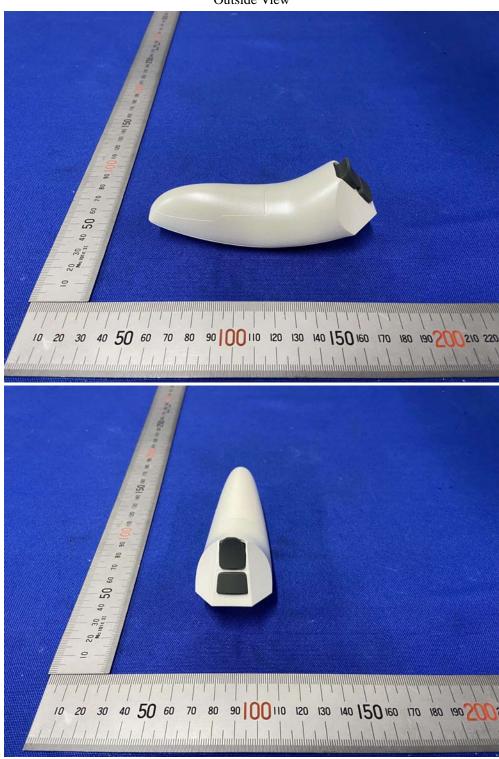
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Outside View



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Outside View



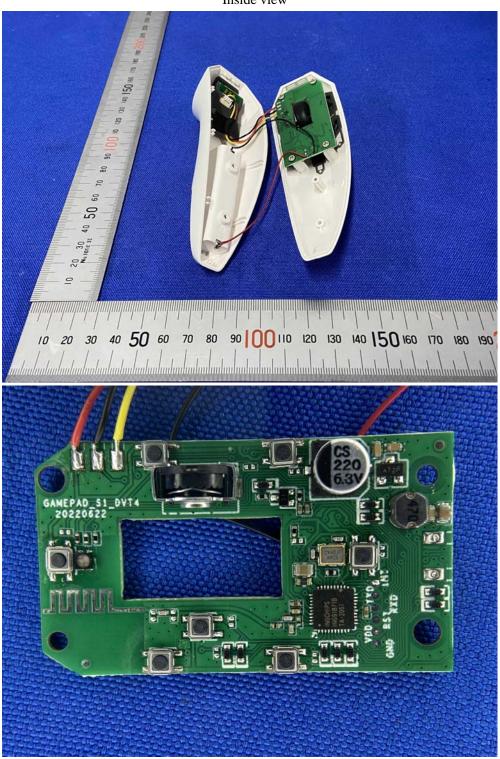
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Inside view



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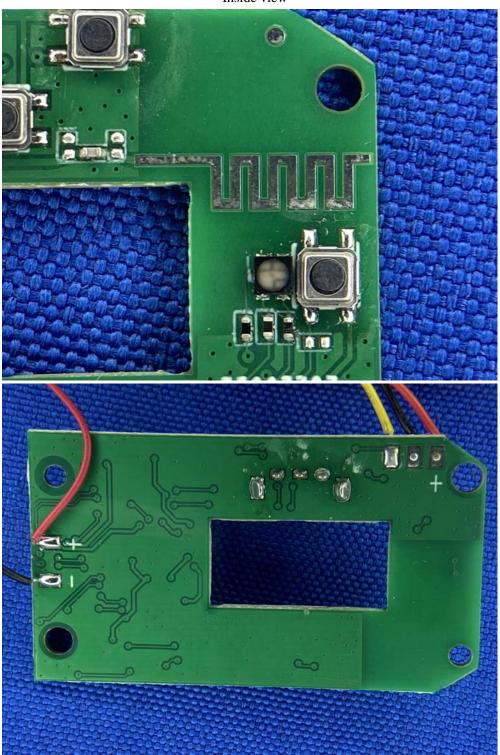
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Inside view



-- End of the report--

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