



File reference No.: 2021-09-06

Applicant: GLORY STAR TECHNICS (SHENZHEN) CO., LTD.

Product: Commercial Kiosk Tablet

Model No.: EMT431

Trademark: Glory Star

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

Jack Chung

Jack Chung

Manager

Dated: September 06, 2021

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 17025:2005 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

Date: 2021-09-06



Test Report Conclusion

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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: GLORY STAR TECHNICS (SHENZHEN) CO., LTD.

Address: Bldg., 9, 4/F., Zong Yuntai Technology Industrial Park, Songbai Road, Shiyan Street, Boan,

Shenzhen, China

Telephone: (755)-26001808-305 Fax: (755)-26002933

1.3 Description of EUT

Product: Commercial Kiosk Tablet

Manufacturer: GLORY STAR TECHNICS (SHENZHEN) CO., LTD.

Address: Bldg., 9, 4/F., ZongYuntai Technology Industrial Park, Songbai Road, Shiyan

Street, Boan, Shenzhen, China

Trademark: Glory Star

Model Number: EMT431

Additional Model Name N/A

Test Model: EMT431

Hardware Version: RK3399 V1.x

Software Version: 20210203.143658

Serial No.: GS431210300001

Rating: Input: 100-240V, ~50/60Hz, 0.7A, 100W (max)

Modulation Type: GFSK Low Energy (BLE)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

Antenna Designation Dipole antenna with gain 2.20dBi Max (Declared by the applicant)

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1.4 Submitted Sample: 1 pc

1.5 Test Duration

2021-07-29 to 2021-09-06

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

Terry Tang

The sample tested by

Print Name: Terry Tang

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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	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

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

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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 15.207	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

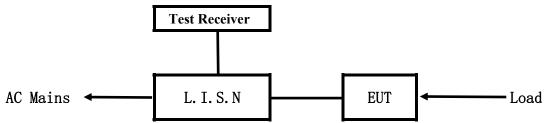
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

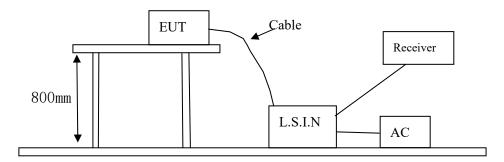


EUT: Equipment Under Test

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.

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.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID	
Commercial Kiosk	GLORY STAR TECHNICS	EMT431	2AACS-EMT431	
Tablet	(SHENZHEN) CO., LTD.	EW11431		

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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				
$0.15 \sim 0.50$	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

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

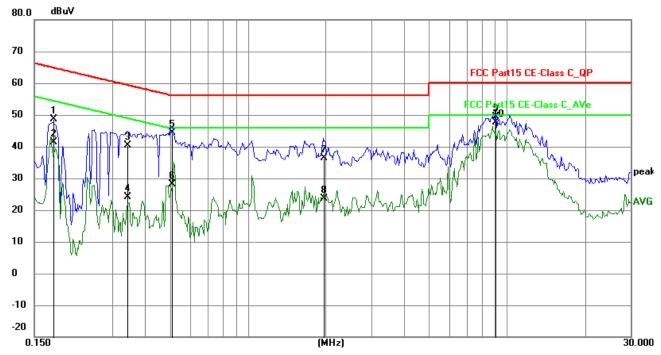
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1773	38.94	9.77	48.71	64.61	-15.90	QP	Р
2	0.1773	31.68	9.77	41.45	54.61	-13.16	AVG	Р
3	0.3410	30.54	9.76	40.30	59.18	-18.88	QP	Р
4	0.3410	14.32	9.76	24.08	49.18	-25.10	AVG	Р
5	0.5088	34.72	9.77	44.49	56.00	-11.51	QP	Р
6	0.5088	18.27	9.77	28.04	46.00	-17.96	AVG	Р
7	1.9596	26.58	9.80	36.38	56.00	-19.62	QP	Р
8	1.9596	13.87	9.80	23.67	46.00	-22.33	AVG	Р
9	9.0450	39.21	10.11	49.32	60.00	-10.68	QP	Р
10	9.0450	37.46	10.11	47.57	50.00	-2.43	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

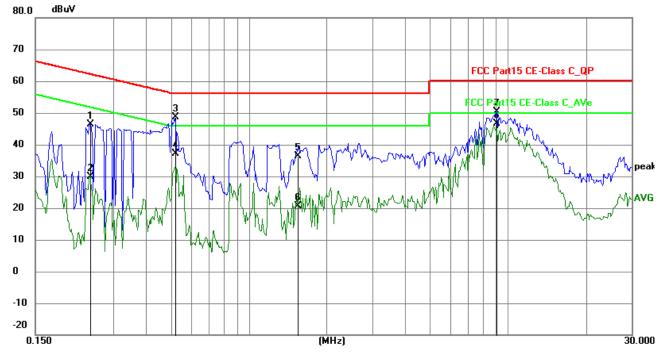
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2436	36.64	9.75	46.39	61.97	-15.58	QP	Р
2	0.2436	20.16	9.75	29.91	51.97	-22.06	AVG	Р
3	0.5205	38.85	9.77	48.62	56.00	-7.38	QP	Р
4	0.5205	27.31	9.77	37.08	46.00	-8.92	AVG	Р
5	1.5501	26.48	9.80	36.28	56.00	-19.72	QP	Р
6	1.5501	10.91	9.80	20.71	46.00	-25.29	AVG	Р
7	9.0450	40.37	10.11	50.48	60.00	-9.52	QP	Р
8	9.0450	36.52	10.11	46.63	50.00	-3.37	AVG	Р

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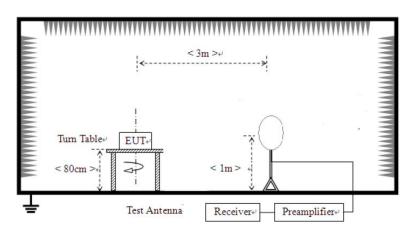


6 Radiated Emission Test

- 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

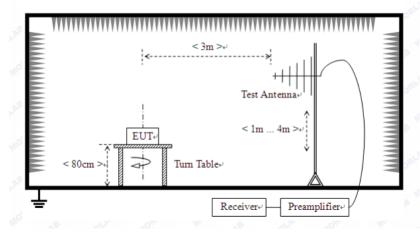
For radiated emissions from 9kHz to 30MHz



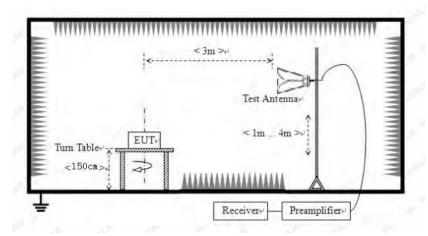
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For radiated emissions from 30MHz to1GHz



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 Strength of Fundamental (3m) Fi			eld Strength of Fundamental (3m)			trength of Harmo	nics (3m)
	(MHz)	mV/m	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)
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.

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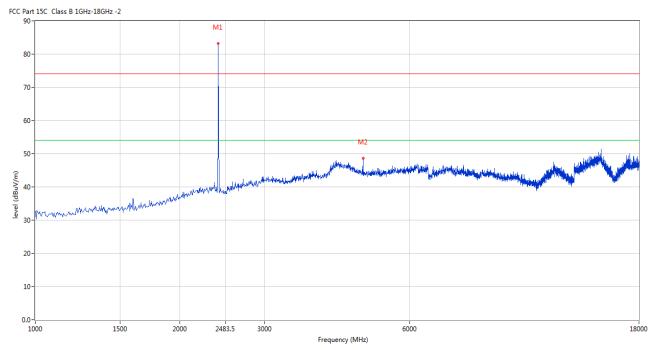


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



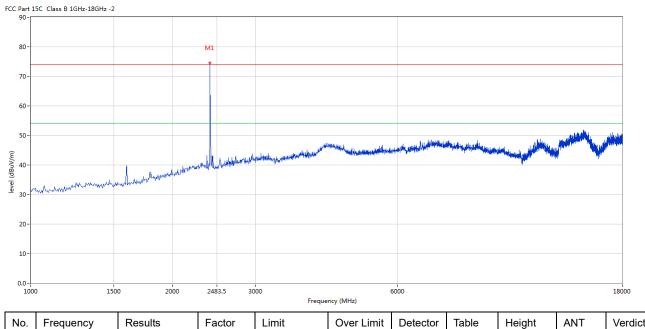
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	83.20	-3.57	74.0	-30.80	Peak	157.00	100	Horizontal	Pass
2	4802.799	48.59	3.12	74.0	-25.41	Peak	192.00	100	Horizontal	Pass

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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	2402.149	74.63	-3.57	114.0	-39.37	Peak	171.00	100	Vertical	Pass

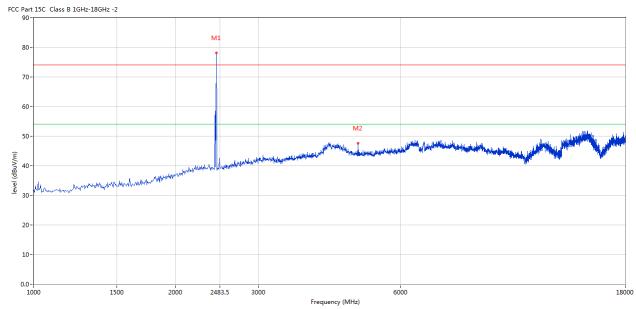
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



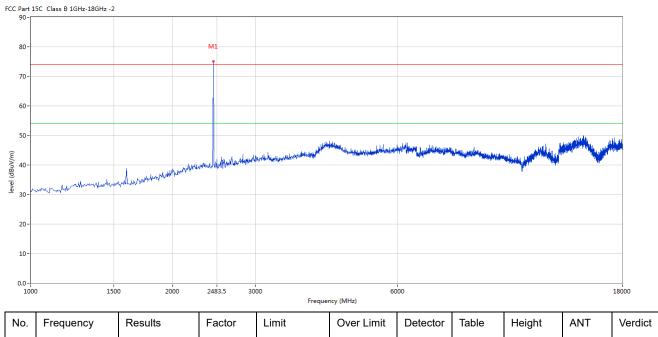
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2440.390	78.14	-3.57	114.0	-35.86	Peak	119.00	100	Horizontal	Pass
2	4879.280	47.69	3.20	74.0	-26.31	Peak	61.00	100	Horizontal	Pass

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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	2440.390	75.17	-3.57	114.0	-38.83	Peak	181.00	100	Vertical	Pass

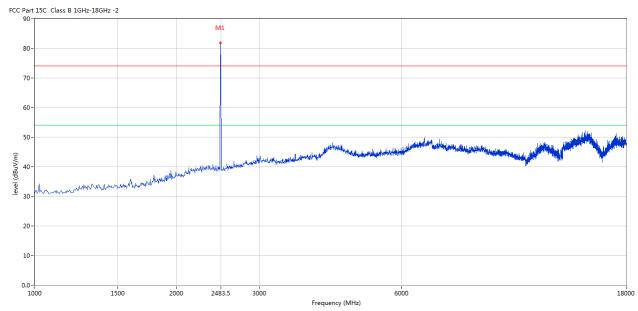
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



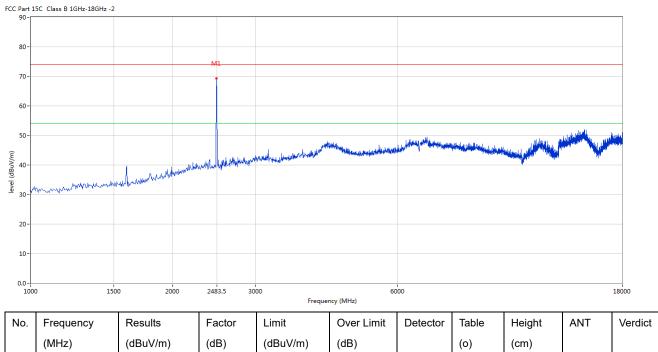
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2478.630	81.89	-3.57	114.0	-32.11	Peak	145.00	100	Horizontal	Pass

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Vertical



 (MHz)
 (dBuV/m)
 (dB)
 (dBuV/m)
 (dB)
 (dB)
 (o)
 (cm)

 1
 2478.630
 69.36
 -3.57
 114.0
 -44.64
 Peak
 208.00
 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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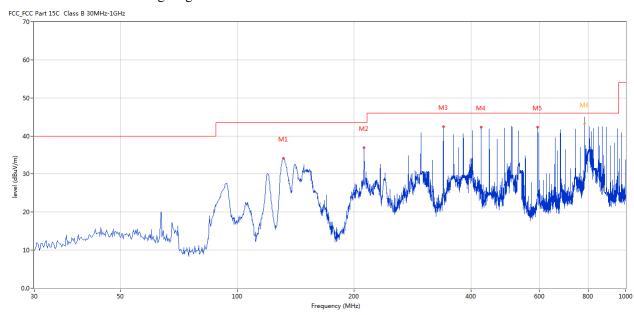


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(0)	(cm)		
1	131.582	34.12	-16.93	43.5	-9.38	Peak	281.00	100	Horizontal	Pass
2	212.072	36.88	-13.68	43.5	-6.62	Peak	327.00	100	Horizontal	Pass
3	339.595	42.43	-9.80	46.0	-3.57	Peak	283.00	100	Horizontal	Pass
4	424.449	42.38	-8.17	46.0	-3.62	Peak	360.00	100	Horizontal	Pass
5	593.914	50.33	-5.25	46.0	4.33	Peak	297.00	100	Horizontal	N/A
6	784.956	44.89	-3.08	46.0	-1.11	Peak	354.00	100	Horizontal	Pass
6*	784.956	43.24	-3.08	46.0	-2.76	QP	354.00	100	Horizontal	Pass

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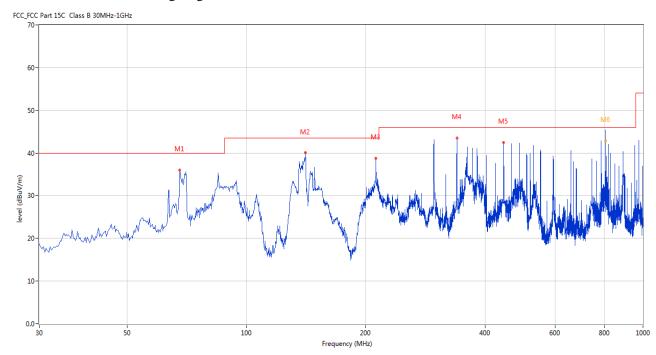


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	67.821	36.00	-14.55	40.0	-4.00	Peak	0.00	100	Vertical	Pass
2	140.795	40.01	-17.25	43.5	-3.49	Peak	0.00	100	Vertical	Pass
3	212.072	38.72	-13.68	43.5	-4.78	Peak	18.00	100	Vertical	Pass
4	339.353	43.46	-9.79	46.0	-2.54	Peak	23.00	100	Vertical	Pass
5	445.541	42.38	-8.02	46.0	-3.62	Peak	3.00	100	Vertical	N/A
6	806.291	47.29	-3.06	46.0	1.29	Peak	10.00	100	Vertical	N/A
6*	806.291	42.81	-3.06	46.0	-3.19	QP	10.00	100	Vertical	Pass

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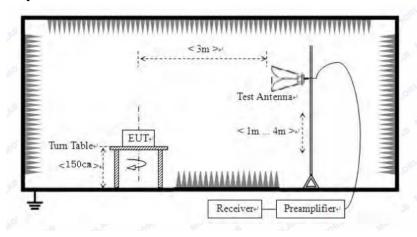


7. Band Edge

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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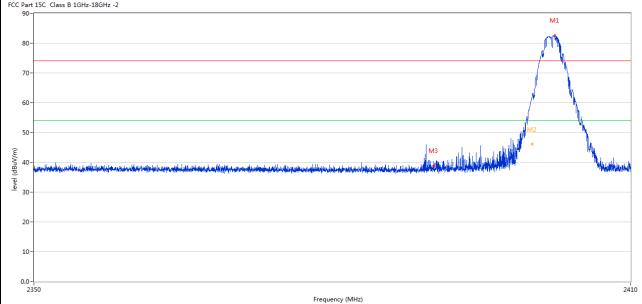
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7.6 Test Result

Product:	Commercial Kiosk Tablet	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-18GHz -2			
90-			M1



No	. Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
2	2399.998	62.07	-3.57	74.0	-11.93	Peak	163.00	100	Horizontal	Pass
2*	2399.998	46.99	-3.57	54.0	-7.01	AV	163.00	100	Horizontal	Pass
3	2390.025	38.87	-3.53	74.0	-35.13	Peak	154.00	100	Horizontal	Pass

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Pı	roduct:	Com	mercial K	iosk Tablet]	Detector		Ver	tical	
l	Mode	Ke	eping Tra	nsmitting	Te	st Voltage		120	0V~	
Tem	nperature		24 deg. C,			Humidity		56%	6 RH	
Tes	st Result:		Pass							
Part 150	C Class B 1GHz-18GHz -2	!								
80-								M1		
70-								/ [']	1	
60-								/		
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30 - 20 - 10 - 0.0 - 2350	Frequency	Results	Factor	1	1	Detector	Table	Height	ANT	ı
30- 20- 10- 2350	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit	Over Limit	Detector	Table (o)	Height (cm)	ANT	ı
30- 10- 2350	Frequency (MHz) 2399.983	Results (dBuV/m) 52.68	Factor (dB)	1	1	Detector Peak	Table (o) 191.00	Height (cm)	ANT	Verdi
30- 20- 10- 0.0- 2350	(MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)		2410 Verdi Pass

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Product:	Commercial Kiosk Tablet	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
Part 15C Class B 1GHz-18GHz -2			
80-	W Y V V		
70-	√ N _M		
60-			
50-			
40- Marin Ma	White "	and the second section of the sect	والمراود ومعالما ومراود والمراود والمرا
30-			
20-			
10-			
0.0-			
2470	2483.5		2500

No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
2	2483.249	52.67	-3.57	74.0	-21.33	Peak	155.00	100	Horizontal	Pass
2**	2483.249	42.06	-3.57	54.0	-11.94	AV	155.00	100	Horizontal	Pass

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ŀ	Product:				t Detector			Vertical		
Mode		K	Keeping Transmitting			Test Voltage		120V~		
Teı	mperature		24 deg. C,			Humidity		56% RH		
Te	Test Result: Pass									
Part 15	5C Class B 1GHz-18GHz	-2								
50										
80-			a-Poult							
70-			ALL LLAW							
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60-			uli —	all r						
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30- 20- 10-	יינון אותן אייני איי	Astronomical Astro			napole diskurik zada da kapa kapa k	oddf de land y Militagae dd	ubet kandida sekeranda	k saidabh an baile ad an d	incht midden fraken fraken	2500
30- 20-	יינון אותן אייני איי	derent derent der		2483.5	quency (MHz)	ald it is a latter man at	ho di badi and	ensidad <mark>i</mark> unduribenda	n di militari prista	2500
30- 20- 10-	יינון אותן אייני איי	Results	Factor	2483.5		Detector	Table	Height	ANT	2500 Verdic
30- 20- 10- 0.0- 2470	יינוקאאן ייציינן ייציינו מייינינון ייציין	Ald the Linear Strawn, 1.	Factor (dB)	2483.5 Fra	quency (MHz)				ANT	1

Note: 1. 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 a Dipole antenna with gain 2.20dBi Max. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwidt	th Measurement									
Product:	Commercial Kiosk Tablet				Test Mode:		Keep transmitting			
Mode	Keepi	Keeping Transmitting			Test Voltage			120V~		
Temperature		24 deg. C,			Humidity			56%	RH	
Test Result:		Pass				Detector		PK		
20dB Bandwidth		1.244MHz							-	
R	Marker 1 [T1 ndB] ndB 20.00 dB			RI	RBW 100 kF		Hz RF Att 30 dB			
Ref Lvl							:Hz			
10 dBm	BW 1	1.244488	98 MHz	SI	TV	5 m	s U:	nit	dBm	1 -
						v ₁	[T1]	-3	3.26 dBm	A
0								2.40200	301 GHz	
			>			ndB		20	0.00 dB	
1.0			السمب	\-	\checkmark	$igwedge egin{array}{c} \mathtt{BW} \ lackbredge egin{array}{c} lackbredge egin{array}{c} lackbredge egin{array}{c} lackbredge egin{array}{c} lackbredge lackbredge egin{array}{c} lackbredge lackbredge$	[T1]	1.24448	898 MHz 3.59 dBm	
-10								2.40137	776 GHz	
						∇X^2	[T1]	-23	.10 dBm	
-20	T						7	2.40262	224 GHz	1MA
							1			
-30										
	/									
-40									\	
Man									\\\	
-50									- "	
-60										
-70										
-80					\dashv					
-90										
Center 2.	402 GHz		300	kHz/				Spa	an 3 MHz	
Date: 19	.AUG.2021 16	5:23:05								

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Product:	Commercial Kiosk Tablet	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.238MHz		
Ref Lvl	Marker 1 [T1 ndB] ndB 20.00 dB	RBW 100 kHz VBW 300 kHz	
10 dBm	BW 1.23847695 MHz	SWT 5 ms	Unit dBm
0		▼1 [:	71] -3.62 dBm A 2.44000301 GHz 20.00 dB
-10			1.23847695 MHz -23.63 dBm 2.43938377 GHz
-20	7	7	[T1] -23.53 dBm 2.44062224 GHz
-30		\	
-40			
-50			No.
60			
-60			
-70			
-80			
-90 Center 2	.44 GHz 300 1	cHz/	Span 3 MHz

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Product:	Commer	cial Kiosk Tablet	Test Mode:	Keep tr	ansmitting
Mode	Keepir	g Transmitting	Test Voltage	: 12	20V~
Temperature	2	4 deg. C,	Humidity	569	% RH
Test Result:		Pass	Detector		PK
20dB Bandwidth	1	.244MHz			
Ref Lvl	Marker ndB	1 [T1 ndB] 20.00 dB	RBW 100 ki		30 dB
10 dBm	BW	1.24448898 MHz	SWT 5 m	s Unit	dBm
10			▼1	[T1] 2.47999	3.37 dBm 699 GHz
-10			ndB BW ▼ _T :	1.24448 [T1] -2	0.00 dB 8898 MHz 4.57 dBm
-20			V	2.4793° 2 [T1] -2	4.22 dBm
1MAX	Ţ		Y	2.48062	2224 GHz 1MA
-40					
-50					
-60					
-70					
-80					
-90					
Center 2	.48 GHz 9.AUG.2021 16		kHz/	Spa	an 3 MHz

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10.0 FCC ID Label

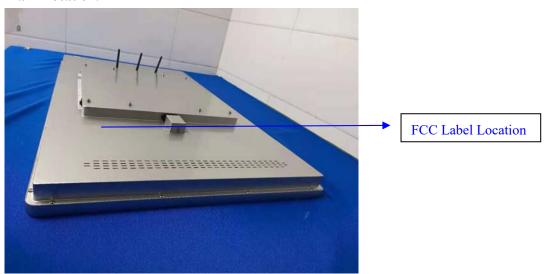
FCC ID: 2AACS-EMT431

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:



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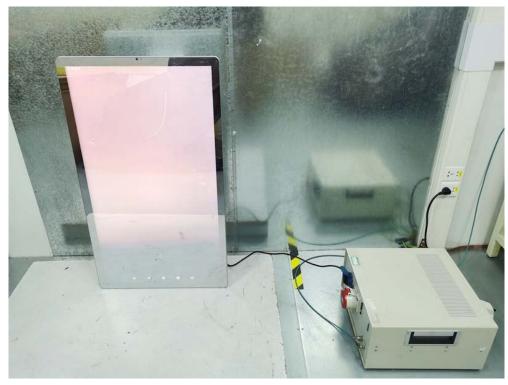
Date: 2021-09-06



11.0 Photo of testing

11.1 Conducted test View--

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Radiated emission test view



Photographs – EUT

Please refer test report TW2107388-01E

-- End of the report--

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