

Product:

Report No.: TW2409126-02E

Applicant: Eastern Times Technology Co., Ltd

3-MODES 98 KEY CASKET HOT-SWAPPABLE RGB MECHANICAL

Model No.: K686AK-RGB-PRO, K686WB-RGB-PRO, ET-7199, K688GB-RGB-PRO

Trademark: REDRAGON

Test Standards: FCC Part 15.249

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

Test result:

Terry Jane

Terry Tang

Manager

Dated: September 14, 2024

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:

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

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	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	14
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	38

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11.0	Photo of Test Setup and EUT View	39
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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, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File with the Federal Communications Commission – United SatesRegistration Number:744189For 3m Ane-bit Chamber

1.2 Applicant Details

Applicant:Eastern Times Technology Co., LtdAddress:Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City,
Guangdong, China.

1.3 Description of EUT

Product:	3-MODES 98 KEY CASKET HOT-SWAPPABLE RGB MECHANICAL
Manufacturer:	Eastern Times Technology Co., Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,
	Dongguan City, Guangdong, China.
Trademark:	REDRAGON
Additional Trademark:	N/A
Model Number:	K686AK-RGB-PRO
Additional Model Name	K686WB-RGB-PRO, ET-7199, K688GB-RGB-PRO
Hardware Version:	7194-A TX V1
Software Version:	8012
Serial No.:	RDK686AK-RGB-PRO24060600619
Rating:	Input: DC5V, 500mA or DC3.7V, 120mA
Battery:	DC3.7V, 3000mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2402-2480MHz
Channel Separate:	1MHz
Channel Number:	79
Antenna Designation	PCB antenna with gain 2.34dBi Max (Get from the antenna specification)

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1.4 Submitted Sample: 2 Samples

- 1.5 Test Duration 2024-09-10 to 2024-09-14
- 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: 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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
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	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
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	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

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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The EUT has been tested according to the following specifications:

3.0 Technical Details

3.1 Summary of test results

The EOT 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

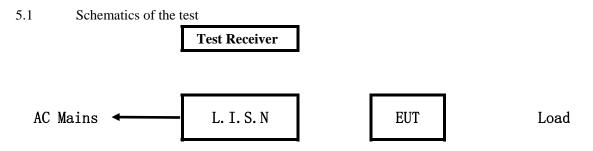
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test



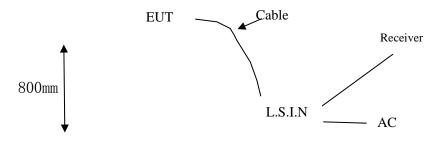
EUT: Equipment Under Test

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. 79 channels are provided to the EUT

А.	EUT

Device	Manufacturer	Model	FCC ID
3-MODES 98 KEY CASKET	Eastern Times Technology Co., Ltd	K686AK-RGB-PRO,	
HOT-SWAPPABLE RGB		K686WB-RGB-PRO,	TUVET-7194A
MECHANICAL		ET-7199, K688GB-RGB-PRO	

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC		
N/A					

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

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

ĺ		Limits (dB µ V)		
	Frequency			
	(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** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 25℃ EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part15 CE-Class B AV 50 40 30 20 AVG 10 0 -10 -20 (MHz) 0.150 30.000 Frequency Reading Factor Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB)(dBuV) (dBuV) (dB) 0.2943 29.02 9.76 38.78 60.40 -21.62 QP Ρ 1 2 Ρ 0.2943 27.55 9.76 37.31 50.40 -13.09 AVG 3 0.6999 22.06 9.78 31.84 56.00 -24.16 QP Ρ

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

4

5

6

7

8

0.6999

2.7864

2.7864

25.2300

25.2300

13.12

19.76

9.81

26.73

20.56

9.78

9.83

9.83

11.00

11.00

22.90

29.59

19.64

37.73

31.56

46.00

56.00

46.00

60.00

50.00

-23.10

-26.41

-26.36

-22.27

-18.44

Ρ

Ρ

Ρ

Ρ

Ρ

AVG

QP

AVG

QP

AVG

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AVG

-23.41

Ρ

B: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Atmospheric Pressure: 101 kPa Temperature: 25℃ Humidity: 65%RH EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part 15 CE-Class B AV 50 40 30 20 AVG 10 0 -10 -20 (MHz) 0 150 30.000 Frequency Reading Factor Level Limit Margin No. Detector P/F (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 1 0.2904 24.13 9.76 33.89 60.51 -26.62 QP Ρ 2 0.2904 22.79 9.76 32.55 -17.96 AVG Ρ 50.51 3 9.79 1.1835 15.64 25.43 56.00 -30.57 QP Ρ 1.1835 9.42 9.79 4 19.21 46.00 -26.79 AVG Ρ 5 1.8348 16.72 9.80 26.52 56.00 -29.48 QP Ρ Ρ 6 1.8348 5.99 9.80 15.79 AVG 46.00 -30.21 7 25.2261 20.54 11.00 31.54 60.00 -28.46 QP Ρ

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

15.59

25.2261

8

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11.00

26.59

50.00

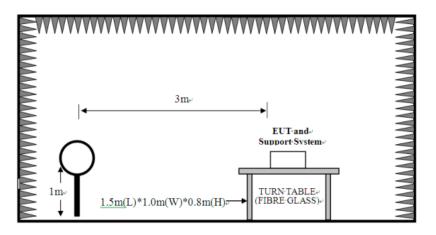


6 Radiated Emission Test

- 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

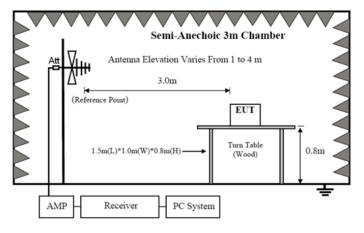


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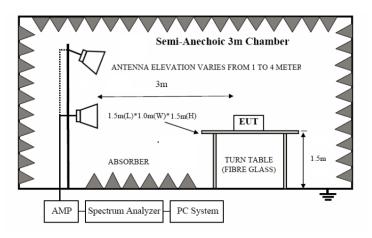
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For radiated emissions from 30MHz to1GHz



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	dBu	V/m	uV/m	dBu	V/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.

1	I I I I I I I I I I I I I I I I I I I	·				
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 $(dBuV) = 20 \log RF$ 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.

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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

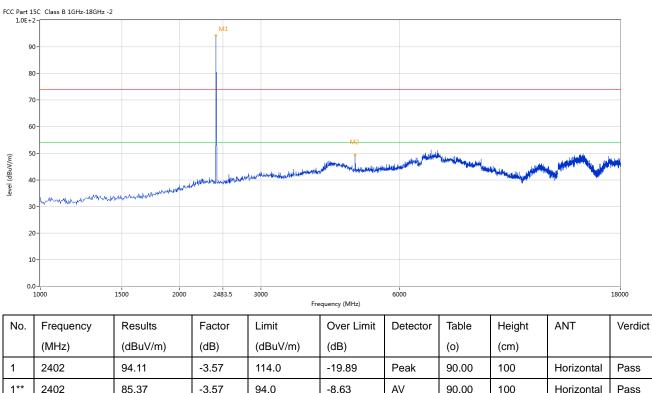
2

4802.799

49.37

3.12

74.0



-24.63

Peak

121.00

100

Horizontal

Pass

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1

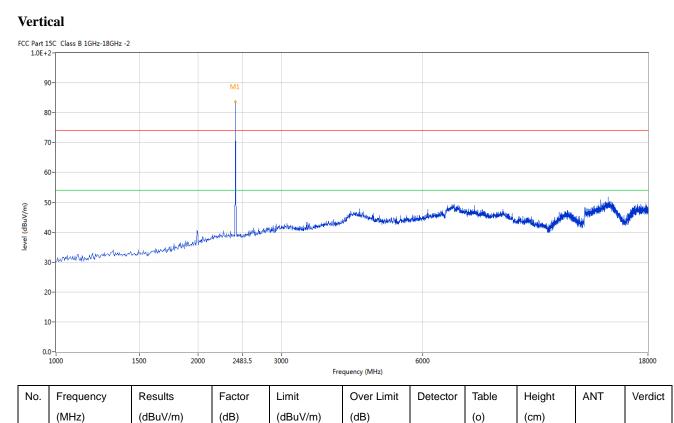
2402

83.54

-3.57

114.0





-30.46

Peak

172.00

100

Vertical

Pass

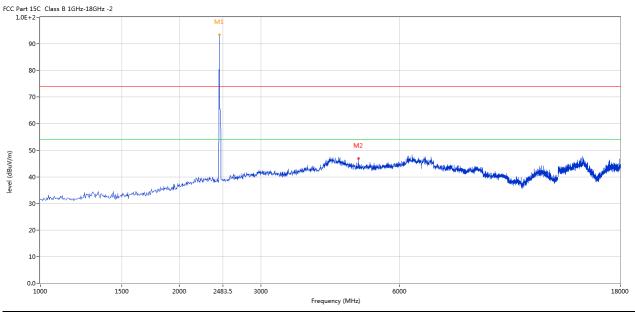
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$Please \ refer \ to \ the \ following \ test \ plots \ for \ details: \ Middle \ Channel-2441 MHz$

Horizontal

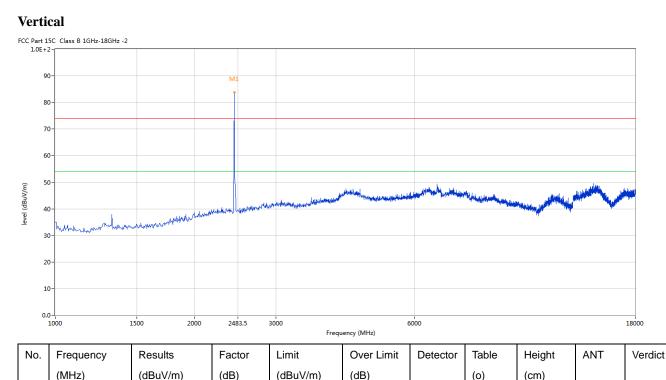


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	93.44	-3.57	114.0	-20.56	Peak	241.00	150	Horizontal	Pass
2	4879.280	46.81	3.20	74.0	-27.19	Peak	282.00	150	Horizontal	Pass

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230.00

150

Vertical

Pass

Peak

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

83.79

-3.57

114.0

-30.21

2441

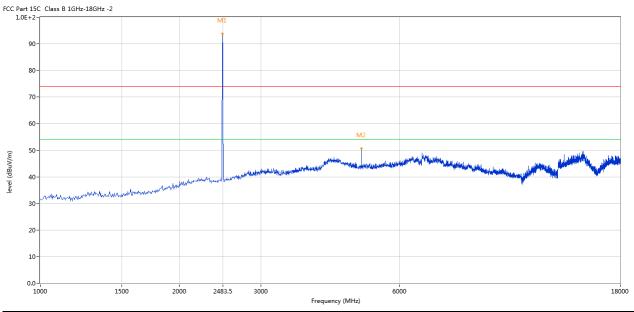
1

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

Horizontal

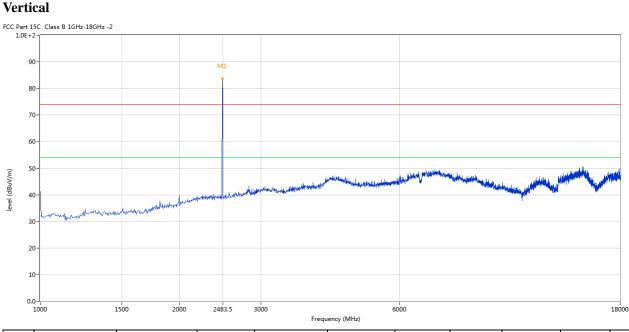


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.72	-3.57	114.0	-20.28	Peak	127.00	150	Horizontal	Pass
2	4960.010	50.61	3.36	74.0	-23.39	Peak	122.00	150	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	83.64	-3.57	114.0	-30.36	Peak	183.00	150	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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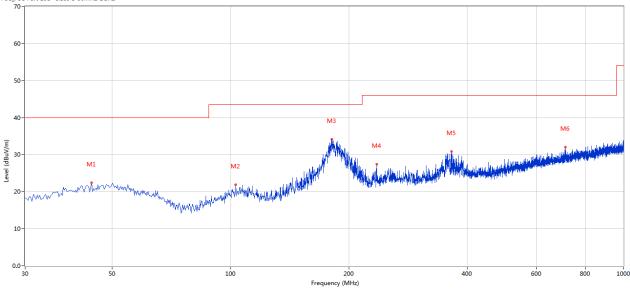
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	44.304	22.37	-11.46	40.0	17.63	Peak	130.00	100	Horizontal	Pass
2	102.974	21.85	-13.38	43.5	21.65	Peak	273.00	100	Horizontal	Pass
3	181.040	34.10	-15.15	43.5	9.40	Peak	288.00	100	Horizontal	Pass
4	235.346	27.44	-12.51	46.0	18.56	Peak	222.00	100	Horizontal	Pass
5	365.051	30.86	-9.46	46.0	15.14	Peak	1.00	100	Horizontal	Pass
6	712.224	31.98	-4.05	46.0	14.02	Peak	254.00	100	Horizontal	Pass

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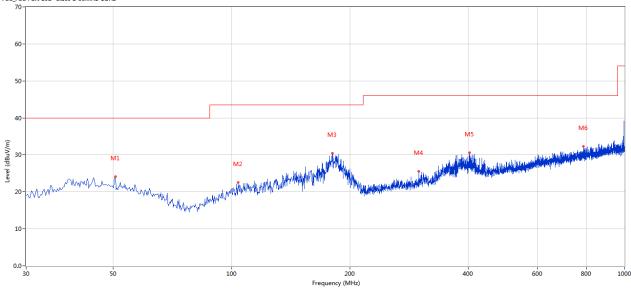
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	50.607	24.11	-11.39	40.0	15.89	Peak	320.00	100	Vertical	Pass
2	103.944	22.49	-13.33	43.5	21.01	Peak	15.00	100	Vertical	Pass
3	180.797	30.50	-15.19	43.5	13.00	Peak	246.00	100	Vertical	Pass
4	300.077	25.58	-11.03	46.0	20.42	Peak	326.00	100	Vertical	Pass
5	403.357	30.56	-8.56	46.0	15.44	Peak	299.00	100	Vertical	Pass
6	787.381	32.26	-3.05	46.0	13.74	Peak	299.00	100	Vertical	Pass

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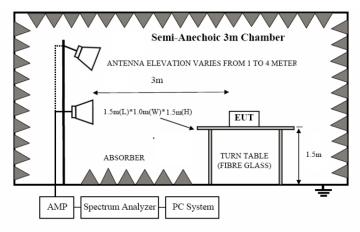


7. Band Edge

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.

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7.6 Test Result

		3-MOD	DES 98 KE	Y CASKET						
]	Product:	HOT	SWAPPAI	BLE RGB	Po	olarity		Ho	rizontal	
		Ν	MECHANI	ICAL						
	Mode	Kee	Keeping Transmitting			Voltage		D	C3.7V	
Te	mperature		24 deg.	С,	Hu	midity		56	% RH	
Τe	est Result:		Pass							
C Part 1 1.0E+	15C Class B 1GHz-18GHz 2-r	-2						M1		_
9	10-						line and the second			
8							¥			_
7	-0-									_
6	i0 -							ų		
							M2		· •	
							/ .			
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4 3 2 1	0			Fr	equency (MHz)	e oski (po verovili				1
4 3 2 1	0- 0- 0- 2370 Frequency	Results	Factor	Fr	equency (MHz)	Detector	Table	Height	ANT	1
4 3 2 1 0. No.	0	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)		Table (o)	(cm)	ANT	Verdio
4 3 2 1 0. No.	0 10 10 10 10 10 10 10 10 10 1	Results (dBuV/m) 93.72	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 19.72	Peak	Table (o) 107.00	(cm) 100	ANT Horizontal	Verdio N/A
4 3 2 1 0. No. 1 2	0 10 10 10 10 10 10 10 10 10 1	Results (dBuV/m) 93.72 69.01	Factor (dB)	Fr Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB)	Peak Peak	Table (o)	(cm)	ANT	Verdio
4 3 2 1 0. No.	0 10 10 10 10 10 10 10 10 10 1	Results (dBuV/m) 93.72	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 19.72	Peak	Table (o) 107.00	(cm) 100	ANT Horizontal	Verdio N/A

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				Y CASKET						
	Product:	HOT	-SWAPPAI	BLE RGB	Det	ector		Vert	tical	
		1	MECHANI	CAL						
	Mode	Kee	eping Trans	smitting	Test V	Voltage		DC3	3.7V	
Te	emperature		24 deg.	С,	Hun	nidity		56%	RH	
Te	est Result:		Pass					-	-	
CC Part 1.0E+	15C Class B 1GHz-18GHz +2-	-2								
	90-									
								M1		
٤	80-							W. The second se		
7	70-							· · · ·		
	50 -									
	50-						5			
	50-				M3		M2			
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level (dBuV/m)	40-	stadijationistika, iluniposati masa	ubyteniseren en en efterse staldijken et	dar anti-factoria (historia) yilari yi		a water will be have a second	M2 •		lited been been the	
level (dBuV/m)	10-	istrationalistation internationalistation	antinistana ang kang kang kang kang kang kang ka	da, and for a second branch of a failed and a fail		ang sa	Mine Market		little beaution of the second	
level (dbuV/m)	10- Marillar dia ang di sa di sa 30-	sanskanlanden sår kan skunden var er	beftelikeren san elemente bilder et	hn collaboraterialita construinte po			M2 •		have been	Hard Junit 189
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level (dBuV/m)	10	taviljadisin datikan dinan benatasi menan	ungten linen an		Nedezal Ura, St. John Garage	en for still be de server	M2 •		have have	2410
level (dBuV/m)	10	Results	Factor			Detector	Table	Height	ANT	
level (dBuV/m)	10		Factor (dB)	Fre	Nykosél (biyytak) biyetak 2quency (MHz)	Detector	Table	Height (cm)	ANT	
level (dBuV/m)	10- 10- 10- 2370 Frequency	Results		Fre	zquency (MHz)	Detector		-	ANT	
(w/\ngp) invel 0 No.	40	Results (dBuV/m)	(dB)	Fre Limit (dBuV/m)	zquency (MHz) Over Limit (dB)		Table (o)	(cm)		Verdic
(u//ngp) i i i i i i i i i i i i i i i i i i i	40- 	Results (dBuV/m) 80.84	(dB) -3.57	Free Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 6.84	Peak	Table (o) 0.00	(cm) 150	Vertical	Verdic N/A

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				EY CASKE	Т					
]	Product:	НО	T-SWAPP	ABLE RGB		Polarity		Η	orizontal	
			MECHAI	NICAL						
	Mode	K	eeping Tra	ansmitting	Г	Test Voltag	e	Ι	DC3.7V	
Te	mperature		24 deg	g. C,		Humidity		5	6% RH	
Te	est Result:		Pas	S						
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
			M1	N						
9	90-		. Lader and the	Mark.						
8	30 -									
7	70-			- N.						
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(/ngp 4 ewe 3 2 1	10			2483.	5 Frequency (MHz)	1	Table	Height	T	2500
للس/ngp) 4 3 2 1 0. No.	10	(dBuV/m)	(dB)	2483. Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500

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]	Product:			EY CASKET ABLE RGB		etector		Vei	tical	
			MECHAN	IICAL						
	Mode	Ke	Keeping Transmitting			Keeping Transmitting Test Voltage		DC	3.7V	
Te	mperature		24 deg. C,			umidity		56%	6 RH	
Te	est Result:		Pass	5						
C Part 1 1.0E+	.5C Class B 1GHz-18GHz 2-r	-2								
21021	-									
9	0-		M1							
8	0-		م مناطق	N _{U.}						
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				-	equency (MHz)	T	1	Г		1
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdic
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
		82.99	-3.57	74.0	8.99	Peak	223.00	150	Vertical	N/A
1	2480.212	02.99	49.68 -3.57 74.0							

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.

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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 PCB antenna with gain 2.34dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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10.0 FCC ID Label

FCC ID: TUVET-7194A

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:



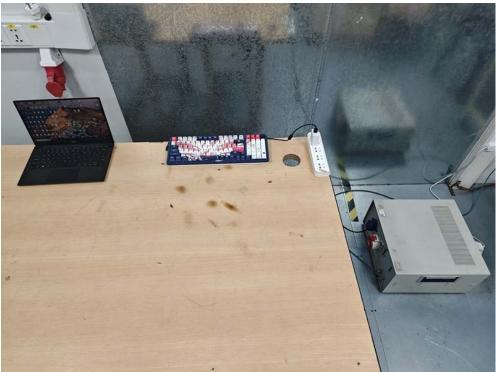
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Page 33 of 35

- 11.0 Photo of testing
- 11.1 Conducted test View--



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Radiated emission test view



Photographs – EUT

Please refer test report TW2409126-01E

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Page 35 of 35

--End of the report--

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