

Report No.: TW2412010-02E

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRED/2.4G WIRELESS/BT 3 MODES CONNECTION

MECHANICAL KEYBOARD

Model No.: K552-KRS, ET-8565

Trademark: REDRGAON

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

Term lang

Terry Tang

Manager

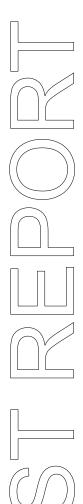
Dated: March 07, 2025

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:**

# 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

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

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Photo of Test Setup and EUT View....

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Date: 2025-03-07



#### 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: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City,

Guangdong, China.

#### 1.3 Description of EUT

Product: WIRED/2.4G WIRELESS/BT 3 MODES CONNECTION MECHANICAL

**KEYBOARD** 

Manufacturer: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,

Dongguan City, Guangdong, China.

Trademark: REDRGAON

Additional Trademark: N/A

Model Number: K552-KRS Additional Model Name ET-8565 Hardware Version: 8565-B V1

Software Version: EF10

Serial No.: RDK552-KRS24082501005
Rating: DC5V, 500mA; DC3.7V, 45mA
Battery: DC3.7V, 1600mAh Li-ion battery

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

Antenna Designation PCB antenna with gain 0dBi Max (Get from the antenna specification)

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-12-02 to 2025-03-07

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: Terry Tang

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2.0 Test Equipment	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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#### 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

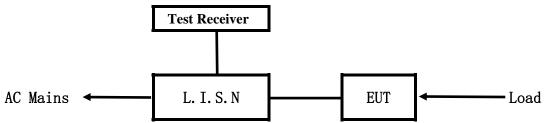
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#### 5. Power Line Conducted Emission Test

#### 5.1 Schematics of the test

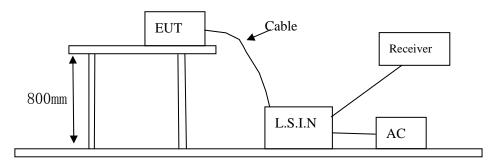


**EUT: Equipment Under Test** 

# 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.

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
WIRED/2.4G WIRELESS/BT 3	Eastom Times		
MODES CONNECTION	Eastern Times	K552-KRS, ET-8565	TUVET-8565B
MECHANICAL KEYBOARD	Technology Co.,Ltd		

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#### B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

#### C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A;
			Output: DC5V, 3A; DC9V, 3A; DC12V,
			3A; DC15V, 3A; DC20V, 2.25A;

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 ~ 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:

Pass

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

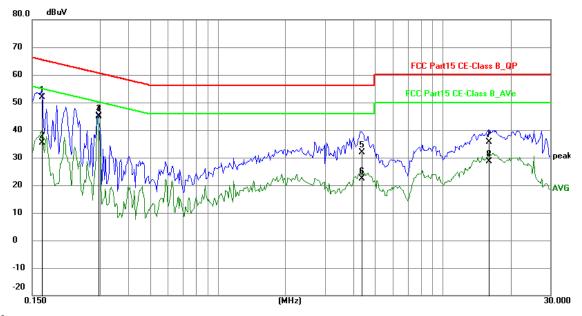
# **EUT Operating Environment**

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

**EUT set Condition: Charging and Keep Transmitting** 

**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	0.1655	41.60	10.33	51.93	65.18	-13.25	QP	Р
2	0.1655	25.07	10.33	35.40	55.18	-19.78	AVG	Р
3	0.2943	34.88	10.35	45.23	60.40	-15.17	QP	Р
4	0.2943	34.65	10.35	45.00	50.40	-5.40	AVG	Р
5	4.3728	19.87	12.13	32.00	56.00	-24.00	QP	Р
6	4.3728	10.35	12.13	22.48	46.00	-23.52	AVG	Р
7	16.0376	20.20	15.40	35.60	60.00	-24.40	QP	Р
8	16.0376	13.29	15.40	28.69	50.00	-21.31	AVG	Р

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

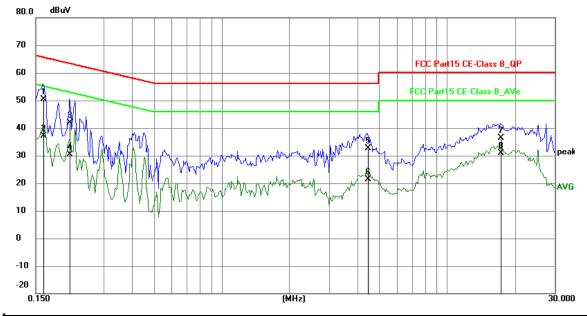
#### **EUT Operating Environment**

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

**EUT set Condition: Charging and Keep Transmitting** 

**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	0.1617	40.07	10.34	50.41	65.38	-14.97	QP	Р
2	0.1617	26.84	10.34	37.18	55.38	-18.20	AVG	Р
3	0.2124	31.66	10.32	41.98	63.11	-21.13	QP	Р
4	0.2124	20.04	10.32	30.36	53.11	-22.75	AVG	Р
5	4.4391	20.54	12.15	32.69	56.00	-23.31	QP	Р
6	4.4391	9.21	12.15	21.36	46.00	-24.64	AVG	Р
7	17.2818	20.75	15.73	36.48	60.00	-23.52	QP	Р
8	17.2818	15.11	15.73	30.84	50.00	-19.16	AVG	Р

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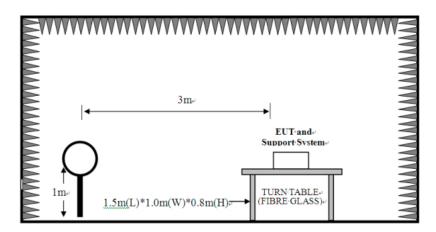


#### **6** Radiated Emission Test

- 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



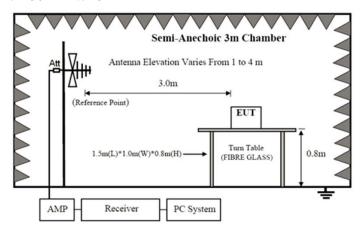
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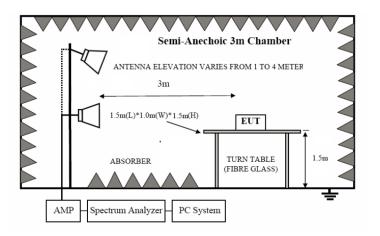
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For radiated emissions from 30MHz to1GHz



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	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBuV/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.

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.70	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. Battery full charged during tests.

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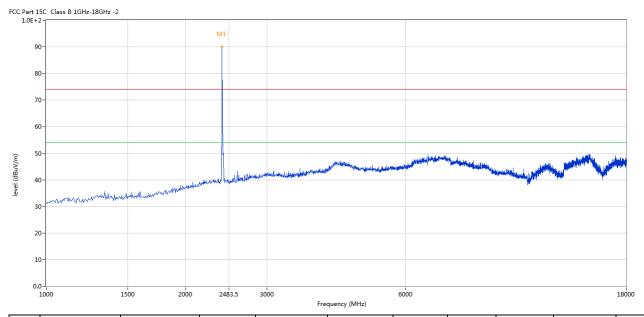


#### 6.5 Test result

# A Fundamental & Harmonics Radiated Emission Data

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

#### Horizontal



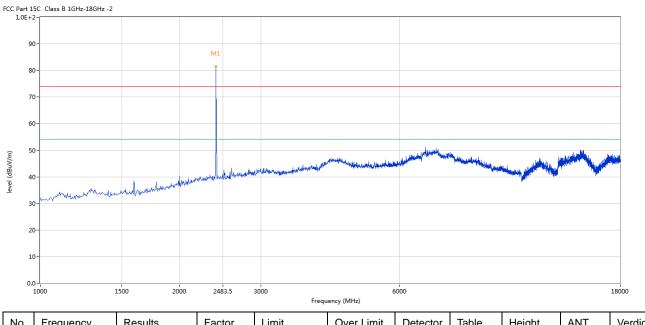
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	90.08	-3.57	114.0	-23.92	Peak	37.00	100	Horizontal	Pass

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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	81.46	-3.57	114.0	-32.54	Peak	330.00	100	Vertical	Pass

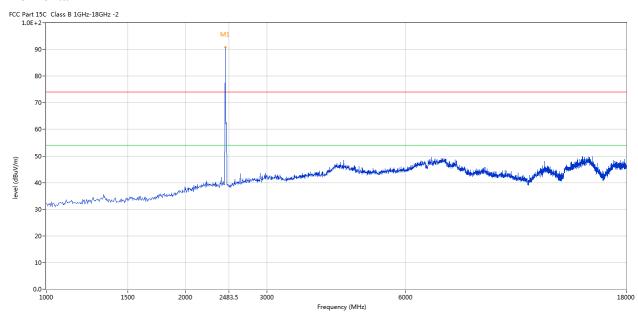
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Please refer to the following test plots for details: Middle Channel-2440MHz

#### **Horizontal**



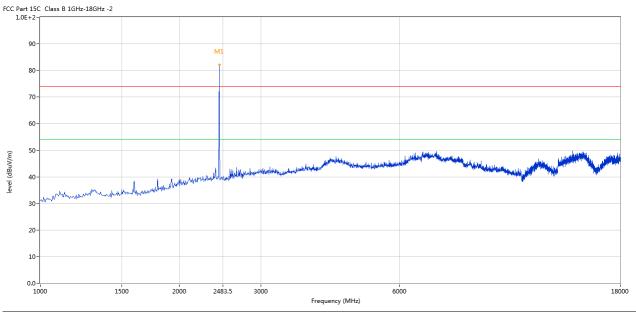
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2440	90.79	-3.57	114.0	-23.21	Peak	139.00	100	Horizontal	Pass

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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	82.10	-3.57	114.0	-31.90	Peak	283.00	100	Vertical	Pass

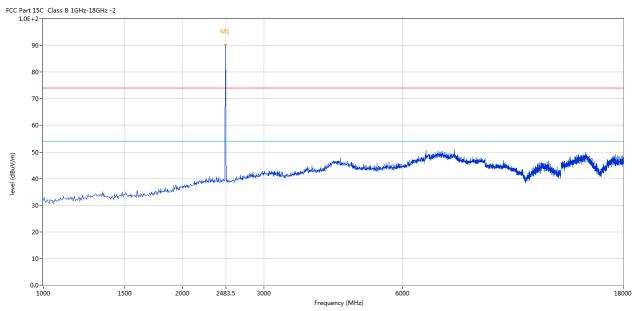
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Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal



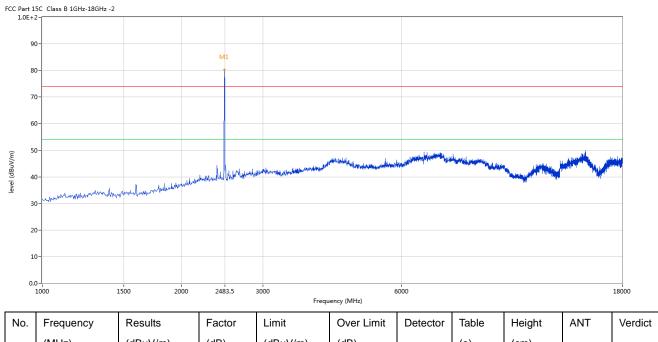
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	90.14	-3.57	114.0	-23.86	Peak	118.00	100	Horizontal	Pass

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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	2480	80.14	-3.57	114.0	-33.86	Peak	286.00	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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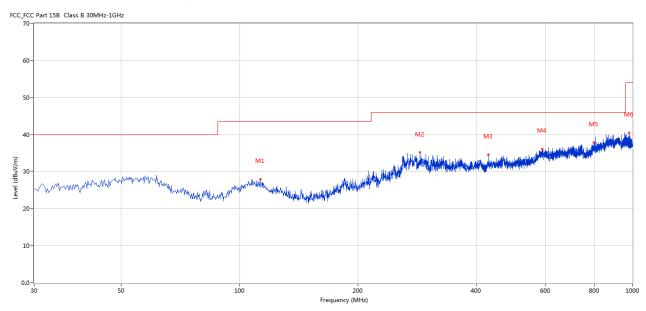


# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	112.914	27.90	-6.33	40.0	12.10	Peak	305.00	100	Horizontal	Pass
2	287.956	35.17	-4.48	47.0	11.83	Peak	284.00	100	Horizontal	Pass
3	430.025	34.56	-0.87	47.0	12.44	Peak	199.00	100	Horizontal	Pass
4	588.338	36.08	1.61	47.0	10.92	Peak	245.00	100	Horizontal	Pass
5	797.321	37.83	3.22	47.0	9.17	Peak	269.00	100	Horizontal	Pass
6	981.090	40.46	4.67	47.0	6.54	Peak	215.00	100	Horizontal	Pass

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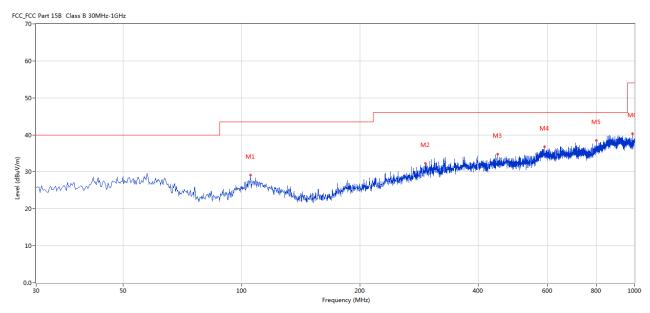


# Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	105.399	29.15	-6.18	40.0	10.85	Peak	26.00	100	Vertical	Pass
2	293.532	32.32	-4.19	47.0	14.68	Peak	228.00	100	Vertical	Pass
3	448.450	34.77	-0.93	47.0	12.23	Peak	339.00	100	Vertical	Pass
4	590.035	36.80	1.86	47.0	10.20	Peak	300.00	100	Vertical	Pass
5	799.018	38.48	3.33	47.0	8.52	Peak	195.00	100	Vertical	Pass
6	989.333	40.28	4.65	47.0	6.72	Peak	350.00	100	Vertical	Pass

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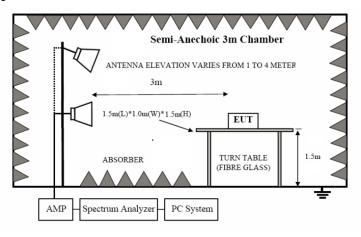


#### 7. Band Edge

#### 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.

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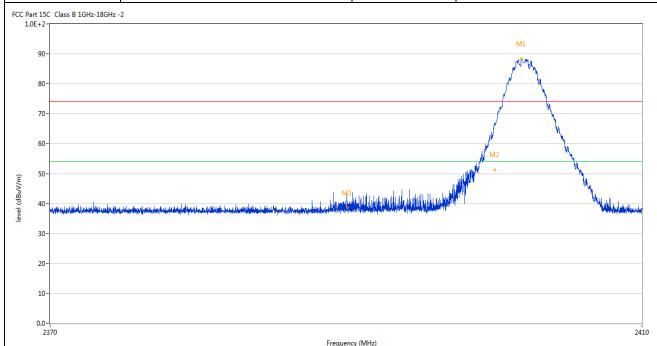
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#### 7.6 Test Result

Product:	WIRED/2.4G WIRELESS/BT 3  MODES CONNECTION  MECHANICAL KEYROARD	Polarity	Horizontal
Mode	MECHANICAL KEYBOARD  Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



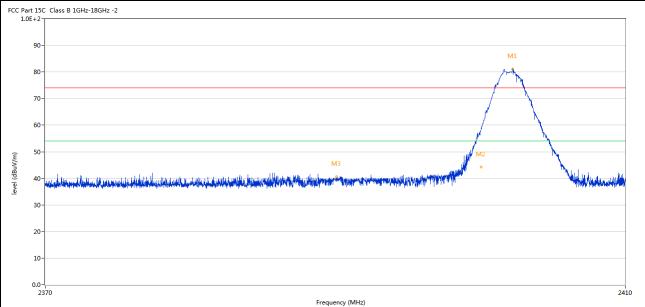
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.802	88.33	-3.57	74.0	14.33	Peak	90.00	100	Horizontal	N/A
2	2400.000	66.10	-3.57	74.0	-7.90	Peak	86.11	100	Horizontal	Pass
2**	2400.000	51.13	-3.57	54.0	-2.87	AV	86.11	100	Horizontal	Pass
3	2390.000	38.58	-3.53	74.0	-35.42	Peak	75.50	100	Horizontal	Pass
	1 2 2**	(MHz) 1 2401.802 2 2400.000 2** 2400.000	(MHz) (dBuV/m) 1 2401.802 88.33 2 2400.000 66.10 2** 2400.000 51.13	(MHz)     (dBuV/m)     (dB)       1     2401.802     88.33     -3.57       2     2400.000     66.10     -3.57       2**     2400.000     51.13     -3.57	(MHz)     (dBuV/m)     (dB)     (dBuV/m)       1     2401.802     88.33     -3.57     74.0       2     2400.000     66.10     -3.57     74.0       2**     2400.000     51.13     -3.57     54.0	(MHz)     (dBuV/m)     (dB)     (dBuV/m)     (dB)       1     2401.802     88.33     -3.57     74.0     14.33       2     2400.000     66.10     -3.57     74.0     -7.90       2**     2400.000     51.13     -3.57     54.0     -2.87	(MHz)     (dBuV/m)     (dB)     (dBuV/m)     (dB)       1     2401.802     88.33     -3.57     74.0     14.33     Peak       2     2400.000     66.10     -3.57     74.0     -7.90     Peak       2**     2400.000     51.13     -3.57     54.0     -2.87     AV	(MHz)     (dBuV/m)     (dB)     (dB)     (o)       1     2401.802     88.33     -3.57     74.0     14.33     Peak     90.00       2     2400.000     66.10     -3.57     74.0     -7.90     Peak     86.11       2**     2400.000     51.13     -3.57     54.0     -2.87     AV     86.11	(MHz)     (dBuV/m)     (dB)     (dB)     (o)     (cm)       1     2401.802     88.33     -3.57     74.0     14.33     Peak     90.00     100       2     2400.000     66.10     -3.57     74.0     -7.90     Peak     86.11     100       2**     2400.000     51.13     -3.57     54.0     -2.87     AV     86.11     100	(MHz)     (dBuV/m)     (dB)     (dB)     (o)     (cm)       1     2401.802     88.33     -3.57     74.0     14.33     Peak     90.00     100     Horizontal       2     2400.000     66.10     -3.57     74.0     -7.90     Peak     86.11     100     Horizontal       2**     2400.000     51.13     -3.57     54.0     -2.87     AV     86.11     100     Horizontal

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Product:	WIRED/2.4G WIRELESS/BT 3 MODES CONNECTION	Detector	Vertical
1100000	MECHANICAL KEYBOARD	2000001	, 6743642
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-18GHz -	2	-	



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.192	81.14	-3.57	74.0	7.14	Peak	326.00	100	Vertical	N/A
2	2400.000	58.88	-3.57	74.0	-15.12	Peak	143.00	100	Vertical	Pass
2**	2400.000	44.25	-3.57	54.0	-9.75	AV	143.00	100	Vertical	Pass
3	2390.000	40.69	-3.53	74.0	-33.31	Peak	75.50	100	Vertical	Pass

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Product:		WIRED/2.4G WIRELESS/BT 3  MODES CONNECTION  MECHANICAL KEYBOARD	Polarity	Horizontal
Mode		Keeping Transmitting	Test Voltage	DC3.7V
Tem	perature	24 deg. C,	Humidity	56% RH
Test	Result:	Pass		
FCC Part 15C 1.0E+2-	Class B 1GHz-18GHz -2	2		
90-		M1		
80-				
70-				
60-		M h		
(E) 50-				
evel (dBuV/m)	was the beautiful and the selection of t	M2 MA	المراجعة والمتاريخ والمتارغ والمتاريخ والمتاريخ والمتاريخ والمتاريخ والمتاريخ والمتاريخ والمتارغ وا	, stormer state, his met en met eige det de jarde vir met fortik den i sort ab betyde stage vinn har deg tod f
30-				
20-				
10-				

No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2479.673	89.42	-3.57	74.0	15.42	Peak	122.00	100	Horizontal	N/A
2	2483.500	53.81	-3.57	74.0	-20.19	Peak	115.00	100	Horizontal	Pass
2**	2483.500	39.24	-3.57	54.0	-14.76	AV	115.00	100	Horizontal	Pass

Frequency (MHz)

2483.5

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Product:		WIRED/2.4G WIRELESS/BT 3  MODES CONNECTION  MECHANICAL KEYBOARD			D	etector		Ve	rtical	
	Mode	Keeping Transmitting				t Voltage		DC3.7V		
Те	mperature		24 deg.			umidity		56% RH		
Te	est Result:		Pass	}						
1.0E+ 9 8	15C Class B 1GHz-18GHz - 2-10-10-10-10-10-10-10-10-10-10-10-10-10-		M1	1						
(m/\dagp) away 3 3 2 1	00-	hdistancish qedd dind qedd qedd y		A A A A A A A A A A A A A A A A A A A	day Middonal May 2014 k	h hid jaha asal bahasik a	middedd yn ach an diffe	ali di ari ari ari ari ari ari ari ari ari ar	المهار المخاورة والمحاولة المحاولة المحاولة والمحاولة المحاولة الم	laddfia.a
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(w/nngp) lanal 3 2 1 0.		Results	Factor			Detector	Table	Height	ANT	
(W/nngp) jawai 3 2 1 0.	0-2470	THE PROPERTY OF THE PROPERTY O	Factor (dB)	Fre	equency (MHz)	The state of the s	The state of the s	And the control of the control of	The state of the s	2500 Verdic
(w/nngp) lanal 3 2 1 0.	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results		Limit	equency (MHz)  Over Limit	The state of the s	Table	Height	The state of the s	

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 PCB antenna with gain 0dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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	WIRED/2.4G	WIRELESS/BT	3 MODES				
Product:	CONNEC	Test Mode:	K	eep transmitting			
Mode	Kee	Test Voltage		DC3.7V			
Temperature		24 deg. C,	<u>-</u>	Humidity		56% RH	
Test Result:		Detector		PK			
20dB Bandwidth							
Ref 10 di	3m *	Att 20 dB	*RBW 100 *VBW 300 SWT 2.5	kHz ms 2	2.4022760	87 dBm 00 GHz	
10				_	[1] 20. .2240000	00 dB	
0			1	Temp 1	[T1 ndB	] A	
PK					-22. 2.4014120	82 dBm	
-10				Temp 2	TI nas	1	
				2	-23. 2.4026360	00 dBm 00 GHz	
-20	7	7		A			
30							
				\			
40						3DB	
-50						- Auror	
60							
-70							
-80							
-90			kHz/		Spar		

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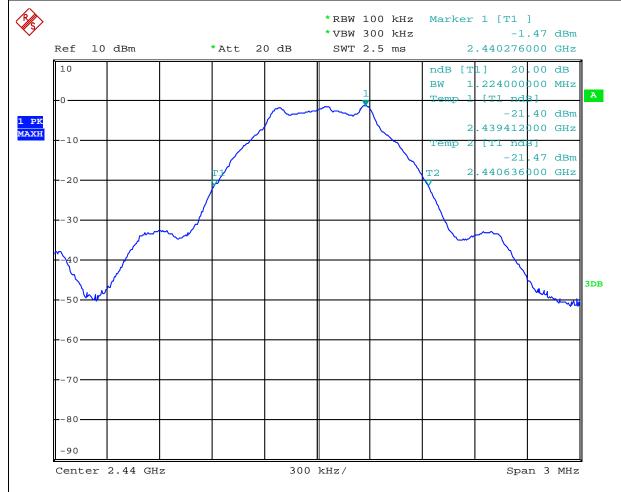
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	WIRED/2.4G WIRELESS/BT 3 MODES		
Product:	CONNECTION MECHANICAL	Test Mode:	Keep transmitting
	KEYBOARD		
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.224MHz		



Date: 11.DEC.2024 09:37:49

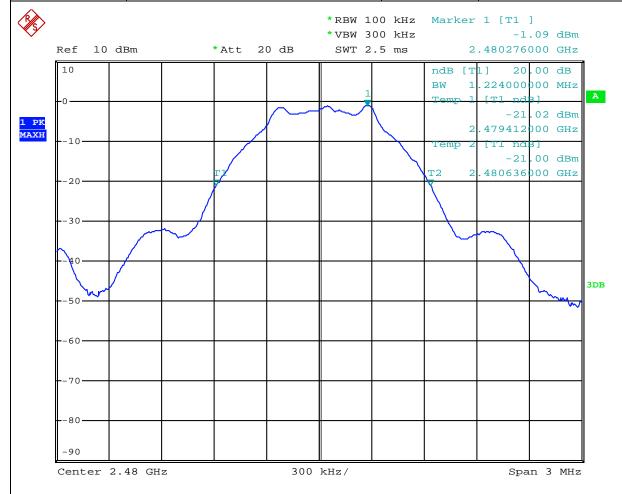
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	WIRED/2.4G WIRELESS/BT 3 MODES		
Product:	CONNECTION MECHANICAL	Test Mode:	Keep transmitting
	KEYBOARD		
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.224MHz		



Date: 11.DEC.2024 09:39:37

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#### 10.0 FCC ID Label

#### FCC ID: TUVET-8565B

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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#### 11.0 Photo of testing

#### 11.1 Conducted test View--

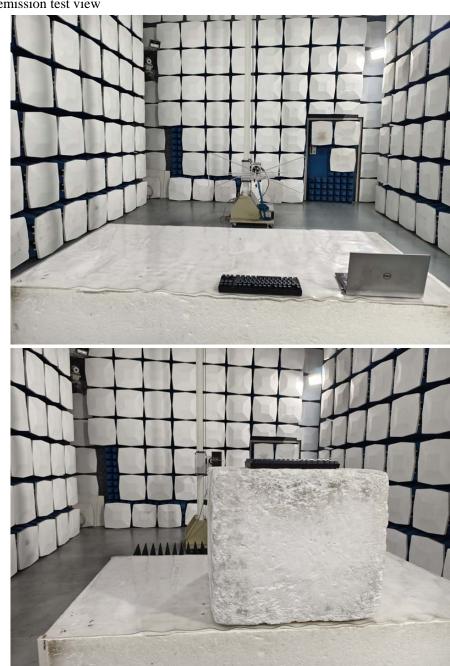


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#### Radiated emission test view



**Photographs – EUT** Please refer test report TW2412010-01E

-- End of the report--

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