

Report No.: TW2412010-01E

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

It is herewith confirmed and found to comply with the Test result:

requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 for the evaluation

regulations

electromagnetic compatibility

Approved By

Term lang

Terry Tang

Manager

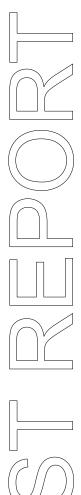
Dated: March 07, 2025

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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#### 1.0 General Details

#### 1.1 Test Lab Details

SHENZHEN TIMEWAY TESTING LABORATORIES. Name:

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:

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

EF10

Modulation Type: GFSK, Л/4DQPSK Operation Frequency: 2402-2480MHz

1MHz Channel Separate: Channel Number: 79

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						
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		1	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

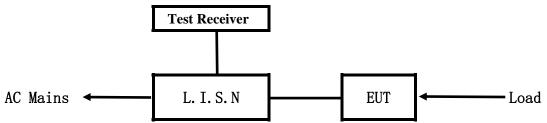
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### 5. Power Line Conducted Emission Test

### 5.1 Schematics of the test

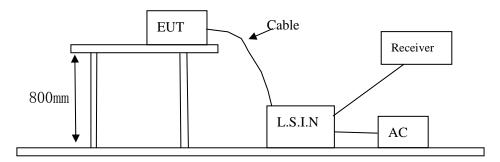


**EUT: Equipment Under Test** 

### 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	Lastom 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 $\mu$ 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 ~ 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)

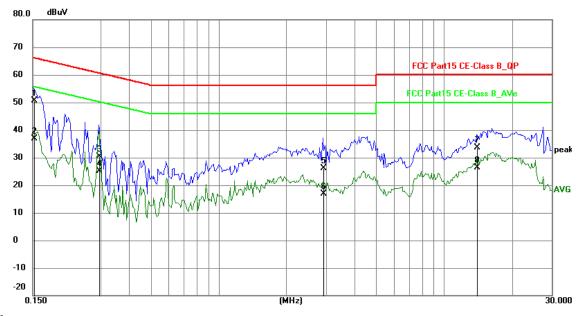
### **EUT Operating Environment**

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

**EUT set Condition: Charging and 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	0.1524	40.37	10.34	50.71	65.87	-15.16	QP	Р
2	0.1524	26.64	10.34	36.98	55.87	-18.89	AVG	Р
3	0.2943	20.08	10.35	30.43	60.40	-29.97	QP	Р
4	0.2943	14.73	10.35	25.08	50.40	-25.32	AVG	Р
5	2.9151	14.38	11.64	26.02	56.00	-29.98	QP	Р
6	2.9151	5.36	11.64	17.00	46.00	-29.00	AVG	J
7	13.9434	18.71	14.85	33.56	60.00	-26.44	QP	П
8	13.9434	11.57	14.85	26.42	50.00	-23.58	AVG	Р

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

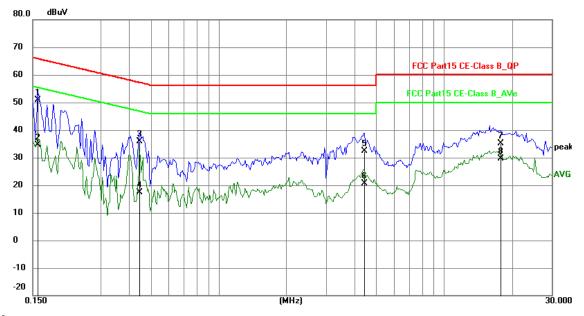
### **EUT Operating Environment**

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	0.1578	40.51	10.34	50.85	65.58	-14.73	QP	Р
2	0.1578	24.40	10.34	34.74	55.58	-20.84	AVG	Р
3	0.4464	25.52	10.39	35.91	56.94	-21.03	QP	Р
4	0.4464	7.11	10.39	17.50	46.94	-29.44	AVG	Р
5	4.4274	20.33	12.15	32.48	56.00	-23.52	QP	Р
6	4.4274	8.45	12.15	20.60	46.00	-25.40	AVG	Л
7	17.7888	19.27	15.86	35.13	60.00	-24.87	QP	П
8	17.7888	13.85	15.86	29.71	50.00	-20.29	AVG	Р

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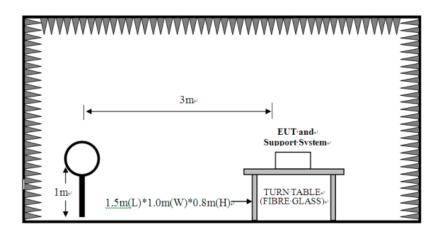


### **6** Radiated Emission Test

- 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



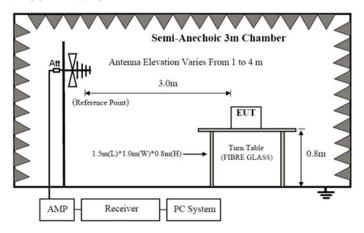
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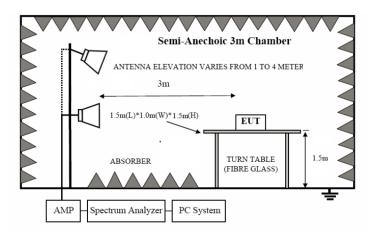
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For radiated emissions from 30MHz to1GHz



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 Strength of Fundamental (3m)			uency Field Strength of Fundamental (3m) Field Strength of Harmonics (3m)			onics (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)
0.490-1.705	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 60	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. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.
- 6. Battery full charged was used during tests

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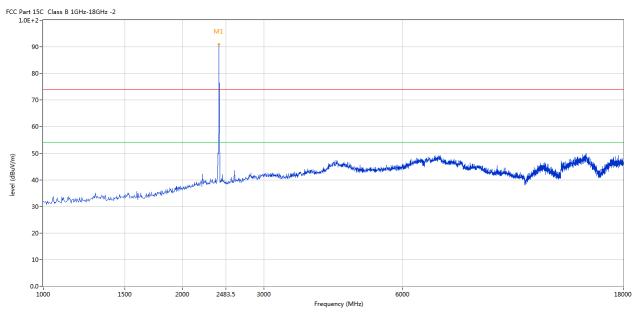


### 6.5 Test result

## A Fundamental & Harmonics Radiated Emission Data

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

### Horizontal



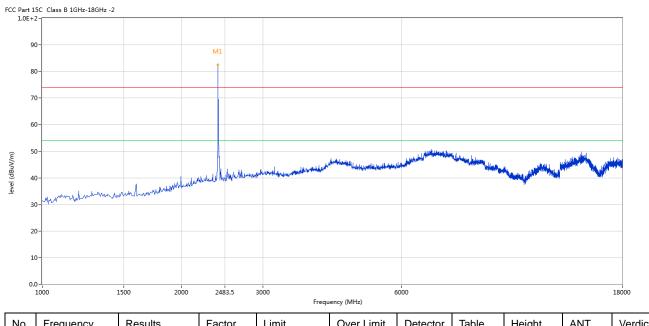
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	91.04	-3.57	114.0	-22.96	Peak	125.00	100	Horizontal	Pass

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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	82.45	-3.57	114.0	-31.55	Peak	329.00	100	Vertical	Pass

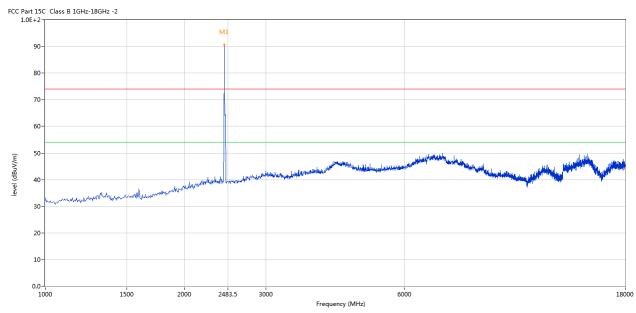
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Please refer to the following test plots for details: Middle Channel-2441MHz

### **Horizontal**



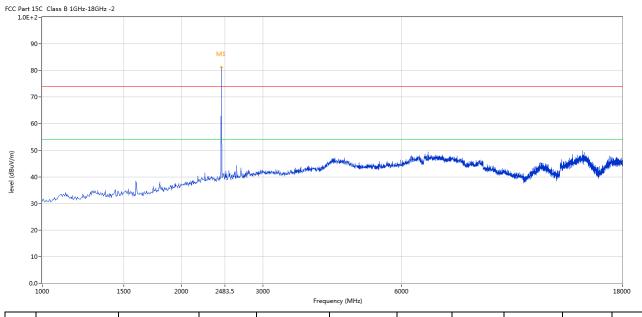
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	90.50	-3.57	114.0	-23.50	Peak	53.00	100	Horizontal	Pass

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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	2441	81.23	-3.57	114.0	-32.77	Peak	294.00	100	Vertical	Pass

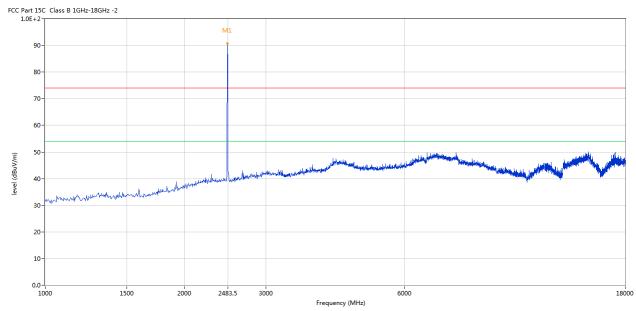
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Please refer to the following test plots for details: High Channel-2480MHz

### Horizontal



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2480	90.69	-3.57	114.0	-23.31	Peak	131.00	100	Horizontal	Pass

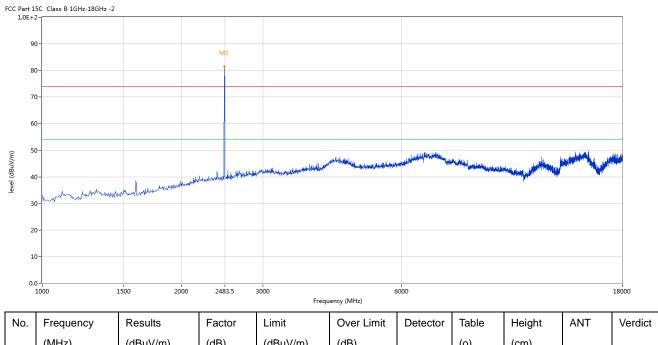
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### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	81.54	-3.57	114.0	-32.46	Peak	289.00	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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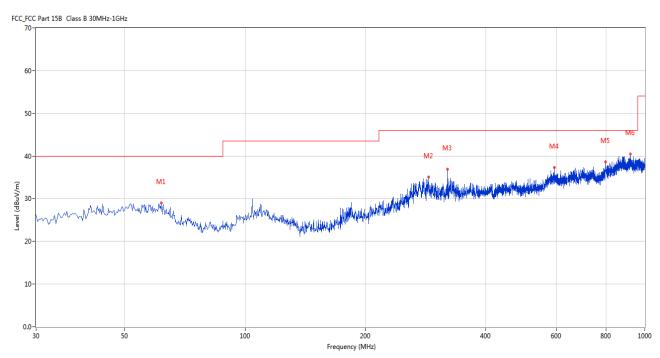
### B. General Radiated Emission Data

### Radiated Emission In 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	61.760	28.99	-5.55	40.0	11.01	Peak	289.00	100	Horizontal	Pass
2	287.713	35.09	-4.49	47.0	11.91	Peak	67.00	100	Horizontal	Pass
3	321.170	36.93	-3.82	47.0	10.07	Peak	56.00	100	Horizontal	Pass
4	593.187	37.26	1.63	47.0	9.74	Peak	298.00	100	Horizontal	Pass
5	797.321	38.66	3.22	47.0	8.34	Peak	278.00	100	Horizontal	Pass
6	919.510	40.49	5.50	47.0	6.51	Peak	110.00	100	Horizontal	Pass

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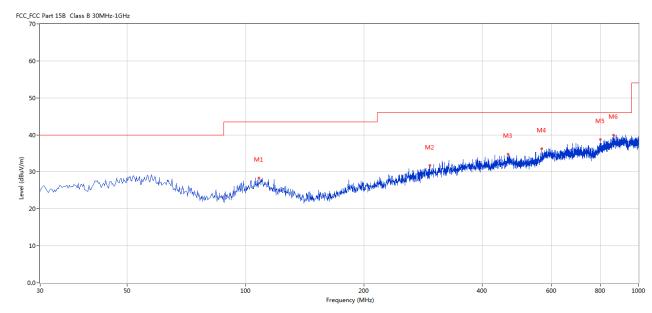


### Radiated Emission In Vertical (30MHz----1000MHz)

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	108.065	28.36	-5.99	40.0	11.64	Peak	77.00	100	Vertical	Pass
2	294.259	31.71	-4.08	47.0	15.29	Peak	309.00	100	Vertical	Pass
3	466.148	34.83	-0.48	47.0	12.17	Peak	322.00	100	Vertical	Pass
4	567.246	36.31	0.60	47.0	10.69	Peak	347.00	100	Vertical	Pass
5	799.503	38.81	3.37	47.0	8.19	Peak	82.00	100	Vertical	Pass
6	863.022	39.96	4.88	47.0	7.04	Peak	144.00	100	Vertical	Pass

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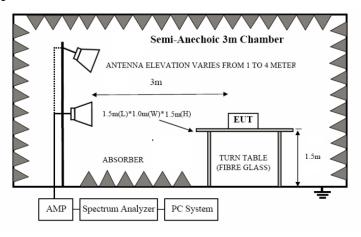


### 7. Band Edge

### 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

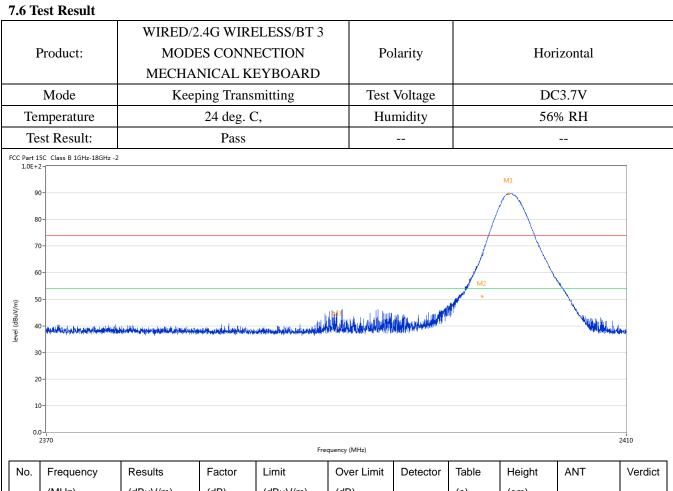
Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.822	89.70	-3.57	74.0	15.70	Peak	88.00	100	Horizontal	N/A
2	2400.000	66.24	-3.57	74.0	-7.76	Peak	136.00	100	Horizontal	Pass
2**	2400.000	51.11	-3.57	54.0	-2.89	AV	136.00	100	Horizontal	Pass
3	2390.000	39.59	-3.53	74.0	-34.41	Peak	309.50	100	Horizontal	Pass

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				ELESS/BT 3						
I	Product:		DES CONN		Det	tector		Ver	tical	
		+		KEYBOARD						
	Mode	Kee	eping Tran			Voltage		DC3		
	mperature		24 deg.	C,	Hur	nidity		56%	RH	
Te	est Result:		Pass					_	-	
Part 1	LSC Class B 1GHz-18GHz 2-	-2								
9	0-							M1		
8	0-							No one		
7	0-									
								/ \		
	0						/			
6	0						f		1	
5					M3		∫ M2	!	1	
5	0-		h 4 m - 10	i tadi cili birandan	. 18 . Lake	والمراجعة المتعارض المتعارض	M2	!	Manage all a	
5	0-		والمناف والمراورة والمراورة	in which and of the Management Mill	. 18 . Lake		M2		A Company of the last	
5		de de la companya de la seguina de la seg	Abidea Lykoliyanin, biliyis	ing printed and philosophes and being a good field	. 18 . Lake	university of the state of the	M2		A Marine Willer	logic that the
5 4 3			discolored spirite sparies, bloodings	ing and the distribution of the interpretability	. 18 . Lake	and the second second second second	Marian Marian Maria	1	A A A A A A A A A A A A A A A A A A A	leggig Libyahida
3			a bandan a Lajar da parta, de Lajar	ingstein de zoeldellen en keinen meldell	. 18 . Lake	nder and graphy by	May year way o		A Market William	logdy, ilyahal
5 4 3			Abiedera Lebertesante, dela jes	in provided and different subsequently find	. 18 . Lake		M2	:	A Market Market	loggy all public
5 4 3 2 1			a de la deservación de la pro-	ing point the acceptable before the positive of the contract o	. 18 . Lake	PART OF THE PART O	M2		A Market William College	
5 4 3 2 1			Abiables of Astrophysical Astr		. 18 . Lake		MZ			
5 4 3 2 1		Results	Factor		especial production	Detector	Table	Height	ANT	
5 4 3 2 1	0				Frequency (MHz)	Detector	Table (o)	Height (cm)	1999	
5 4 3 2 1 1 0.	0- 0- 0- 0- 2370	Results	Factor	Limit	Frequency (MHz)  Over Limit	Detector Peak		_	1999	
5 4 3 2 1 1 0. No.	0- 0- 0- 0- 2370 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz)  Over Limit (dB)		(o)	(cm)	ANT	Verd
5 4 3 2 1	0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0	Results (dBuV/m) 80.09	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz)  Over Limit (dB) 6.09	Peak	(o) 322.00	(cm)	ANT Vertical	Verdi

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2\*\*

2483.500

40.26

-3.57

54.0



]	Product:	MC	DES CON	IRELESS/B7 INECTION I KEYBOAR		Polarity		Н	orizontal	
	Mode	K	eeping Tra	ansmitting		Test Voltag	e	I	DC3.7V	
Te	mperature		24 deg			Humidity		5	66% RH	
Te	est Result:		Pas	SS						
C Part 1	15C Class B 1GHz-18GHz	z -2			<u>'</u>		•			
1.0E+	2-		M1							
9	0-		/mz	~						
8	0-		/_							
7	0-									
6	0-		<i></i>							
. 5	0-				\.					
4	0-			M2	Marie Harris					
*	TO SHARING THE PROPERTY OF ANY	AND THE PROPERTY OF THE PARTY O			The state of the s	edificultive the states	الدوواله مروودوا بإخر بالوسيد واود	فقفيان والهال ينهاك لومطير فالاعتباط	ing palitical properties of the state of the	h, angle of the plants
3	0-									
2	0-									
1										
1	0-									
0.	0- 2470			2483.	.5					2500
	T			1	Frequency (MHz)	1	1	1	1	1
Vo.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdi
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2479.785	88.17	-3.57	74.0	14.17	Peak	351.00	100	Horizontal	N/A
2	2483.500	53.60	-3.57	74.0	-20.40	Peak	351.00	100	Horizontal	Pass

-13.74

ΑV

351.00

100

Horizontal

Pass

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				RELESS/BT						
]	Product:		DES CON			etector		Ve	rtical	
		MECH	ANICAL I	KEYBOARD	)					
	Mode	Ke	eeping Tran	nsmitting	Test	t Voltage		DC	C3.7V	
Te	mperature		24 deg.	С,	Hı	umidity		569	% RH	
Τe	est Result:		Pass	ı						
C Part 1	15C Class B 1GHz-18GHz	-2								
9	10-		M1							
8	80-		1							
7	70-									
			A	΄λ						
6	60-			<b>\</b>						
	60-			M <sub>2</sub>						
		endrich der Jersteine der		M2	was a shift the same of the same of	admical probabilists become	And present of the last	had been miles on the Africa della	Marifich and polynomials about the second	
5	0-	the state of the s		M2	manadillethane plans and in	ale talkentilise kanay		ind, han, in izer, deli fladalli	Militalijas eksentra viennesse	
4	10	indicates a dispersion of the second		M2	مرين والمراجع والمراع	a to the state of	and the state of t	desk kan missen dikt deskille	Militalipalekszágy denyeste	
3		in disk hade all hade the property of the second		M2	waaddidhaad haadd	n de de la companya d	den pariet nel de l'après de	hakkan miser Halida dalih	Militain leksiis danaa	AMPPONIA
3	10 - 1, daha melilupu mendel	in disk hade, die fin later Herrichen		M2	مرية والمراجعة و	g the Estimate Hardware Commence of the Commen	den punt od Hollande	ind has river a delibrabili	kilika denin deren	ugodki
3 2 1		in district to the district of the second		M2 2483.5		y had ta king a king	the party of the last	hakkan osi ese Jali da dalla	Militain leksiya da wasa	2500
3 2 1 0.	0-2470	Company of the control of the contro		Fr	requency (MHz)					
3 2 1	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results	Factor	Limit	requency (MHz)  Over Limit	Detector	Table	Height	ANT	
3 2 1 0.	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	over Limit	Detector	Table (o)	Height (cm)	ANT	Verdi
3 2 1 0.	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results		Limit	requency (MHz)  Over Limit		Table	Height		2500 Verdid

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

2. The two modulation modes of GFSK and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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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/2.40	G WIRELESS/B				
Product: CONNECTION MECHANICAL			Test Mode:	Keep transmitting		
		KEYBOARD				
Mode	Ke	eping Transmitt	ing	Test Voltage	DC3.7V	
Temperature		24 deg. C,		Humidity	56% RH	
Test Result:		Pass		Detector	PK	
20dB Bandwidth		846kHz			1	
Ref 10 de 10 -0	3m	*Att 20 dB	* RBW 30 k * VBW 100 SWT 5 ms	ndB [T] BW 846. Temp 1	1 [T1 ]	
<u> </u>	102 GHz	30	00 kHz/	1 1	Span 3 MHz	

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

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GFSK									
WIRED/2.4G WIRELESS/BT 3 MODES									
Product:	CONNECTION MECHANICAL				Test	Mode:		Keep tran	smitting
KEYBOARD									
Mode	Ke	Keeping Transmitting			Test Voltage			DC3.7V	
Temperature		24 deg. (	С,		_	Humidity 56% RH			
Test Result:	Pass			De	tector		PI	X	
20dB Bandwidth		888kHz							-
Ref 10 di	Bm	*Att 20	dв	*RBW 30 *VBW 10 SWT 5	0 kHz	2	.440862	.50 dBm	1
10						ndB [T	1] 20 .000000	.00 dB	
-0			1			Temp 1	[T1 nd	B.]	A
MAXH10			$\sim$	$\mathcal{N}$			.440574		
		\ \ \ <sub>\</sub>	$\sqrt{}$		١		-22 .441462	.73 dBm	
-20					V <sub>T2</sub>				
30	رم ا					hy			
40							~~~		3DB
-50						<u> </u>	1	Morelyne	
<u> </u>								- W.V.	
70									
80									
-90	111 227	<u> </u>		1 (				2	
Center 2.	441 GHz		300	kHz/			Spa	n 3 MHz	
Date: 11.DEC.	2024 09:3	0:51							

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	WIRED/2.4G WIRELESS/B'	T 3 MODES			
Product:	CONNECTION MECHA		Test Mode:	Keep transmitting	
Floduct.	KEYBOARD	MINICAL	iest wiode.		
Mode	Keeping Transmitti	ng	Test Voltage	DC3.	7V
Temperature	24 deg. C,		Humidity	56% I	
Test Result:	Pass		Detector	PK	
20dB Bandwidth	876kHz				
<b>®</b>	1	*RBW 30 k	Hz Marker	1 [T1 ]	
<b>(</b> \$/		*VBW 100	kHz	-2.10 dBm	
Ref 10 dF	Bm *Att 20 dB	SWT 5 ms		.479868000 GHz	
			ndB [T	.000000000 kHz	
0	1		Temp 1	[T1 ndB] -22.60 dBm	A
PK IAXH		$\sim \sim \sim$	2	-22.60 dBill .479574000 GHz	
-10			Temp 2	[TI ndB] -22.09 dBm	
	T1 ~	M.	T2 2	-22.09 dBill .480450000 GHz	
-20	<b>₹</b>		₹,		
-30			<u> </u>		
			1		
-40					
				<b>~</b> Λ	BDB
-50			<del>-                                    </del>	7	
month				mulum	
-60					
-70					
-80					
-90					
Center 2.4	48 GHz 30	00 kHz/		Span 3 MHz	
Z	10 0112 50	00 11112/		Span 5 mil	

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Modemper Cest ReB Ban	e ature sult:			KEYBO	MECHAN DARD	NICAL						
emper est Re	ature sult:		Ke		)ARD			Tes	st Mode:	]	Keep trans	mitting
emper est Re	ature sult:		Ke	enino Tr	<i>71</i> 11(D	KEYBOARD						
est Re	sult:			~p5 110	Keeping Transmitting			Tes	t Voltage	DC3.7V		
				24 deg	g. C,			H	Humidity 56% RH		RH	
B Ban	dwidth		Pass				D	etector		PK		
>	uwiuii			1.2601	MHz							
						*RBW 3	0 ki	Hz	Marker	1 [T1	1	
_						*VBW 1		кНz			.94 dBm	
Ref	10 dE	3m		*Att 2	0 dB	SWT 5	ms				000 GHz	1
10									ndB [T]		.00 dB 000 MHz	
-0 -					1				Temp 1	[T1 nd	1	A
K.					Ī	h					.05 dBm	
10	)———				$\frac{1}{1}$	\			Temp 2	.401400 [Tl nd	000 GHz	
				\^\^\	\~~\\	~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	νh	٦٨	Tomp 2		.76 dBm	
20								<u> </u>		.402660	000 GHz	
			Š						<b>\</b> \(\frac{12}{\frac{7}{2}}\)			
30			ſ									
	,											
40			/ /						\			
-40	,		$\sim$						\frac{1}{2}			
		2 M	<i>/</i>						Ι Ψ	M	1_/	3DB
~\\		4									~~~~V	
<b>-</b> -60	) —											
70	)——											
80	)——				-							
-90												
<u> </u>	ter 2.4	402 GI	47	<u> </u>	300	kHz/			<u> </u>	Sna	an 3 MHz	
001		-02 01			300	/				SPC	5 1.1112	

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	WIRED/2.4G WIRELESS/BT	3 MODES			
Product:	CONNECTION MECHAN		Test Mode:	Keep transmitting	
	KEYBOARD			1 0	
Mode	Keeping Transmitting	g	Test Voltage	DC3.7V	
Temperature	24 deg. C,		Humidity 56% R		
Test Result:	Pass		Detector	PK	
20dB Bandwidth	1.254MHz				
8		*RBW 30	kHz Marker	1 [T1 ]	
Ref 10 d	Dm * 7++ 20 dD	* VBW 10		-2.45 dBm .440868000 GHz	
10 d.	Bm *Att 20 dB	SWI 5	ndB [T		
			BW 1	.254000000 MHz	
0	1		Temp 1	[T1 nd8] A -22,43 dBm	
1 PK MAXH			2	.440400000 GHz	
-10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 1	Temp 2	[TI ndB] -22.27 dBm	
-20			\\T2 2	.441654000 GHz	
			\Z		
30					
			<b>λ</b>		
\(\frac{40}{\sqrt{10}}\)	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		- Land	A 1/2	
				3DB	
-50					
-60					
-70					
-80					
-90					
Center 2.	441 GHz 300	) kHz/		Span 3 MHz	

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Л/4DQPSK					
	WIRED/2.4G WIRELESS/B			Keep transmitting	
Product:	CONNECTION MECHA	ANICAL	Test Mode:		
KEYBOARD					
Mode	Keeping Transmitt	ing	Test Voltage	DC3.7V	
Temperature	24 deg. C,		Humidity	56% RH	
Test Result:	Pass		Detector	PK	
20dB Bandwidth	1.254MHz				
Ref 10 d	Bm *Att 20 dB	*RBW 30 *VBW 10 SWT 5	0 kHz	1 [T1 ] -2.10 dBm .479868000 GHz	
10			ndB [T	1] 20.00 dB .254000)00 MHz	
0			Temp 1	[T1 nd8]	
1 PK MAXH			2	-21.89 dBm .479400000 GHz	
-10	M. W.	M M	Temp 2	-22.18 dBm -22.00 GHz	
-20	M M		T2 2	. 48003400 Gil2	
-30					
			\ \		
140m	~		- M	<u> </u>	
	V   V			3DB	
-50					
60					
-70					
-80					
-90					
Center 2.	48 GHz 3	00 kHz/	1 1	Span 3 MHz	
Date: 11.DEC.	2024 09:27:58				

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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-



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Date: 2025-03-07



### 12.0 **Photographs – EUT**

#### Outside View





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Outside View-Keyboard



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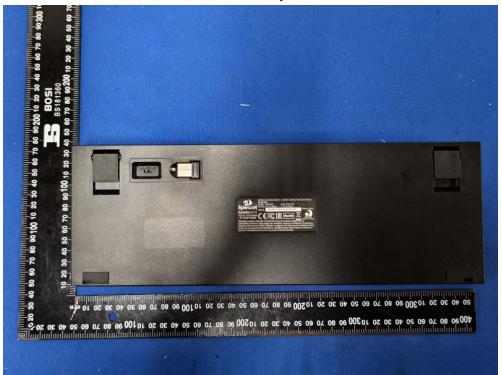
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Inside View-Keyboard





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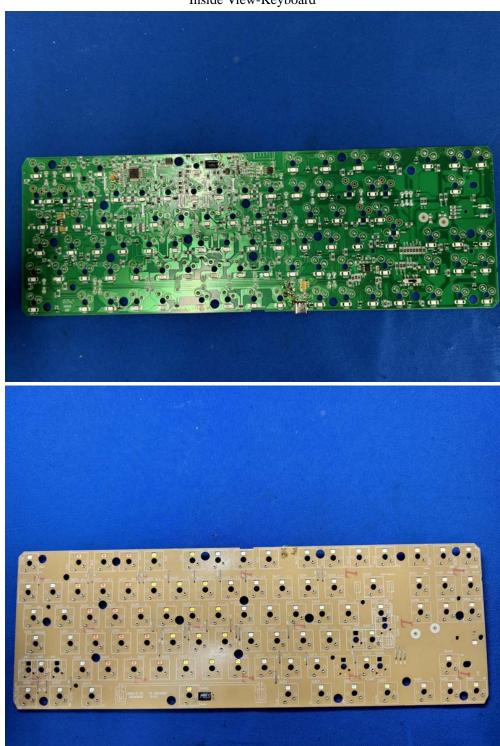
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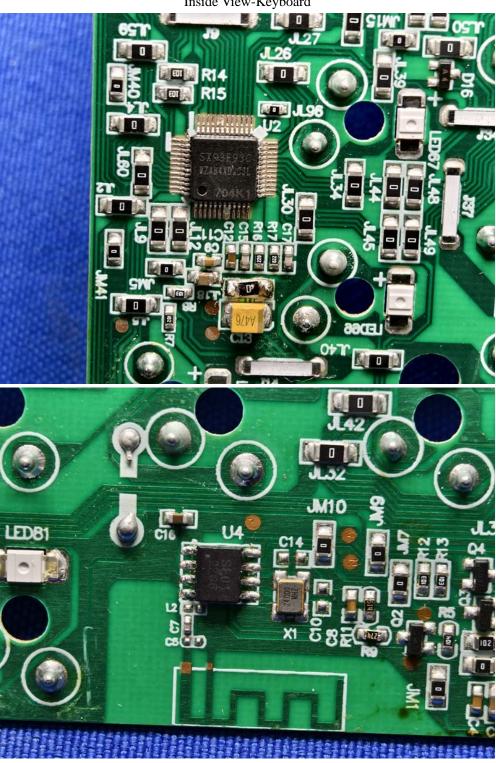
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