

Report No.: TW2312320E

Applicant: GUANGZHOU PERFECT TECHNOLOGY CO., LTD

Product: Remote Control

Model No.: WM-RF-2.4G

Trademark: N/A

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

1 diagraph 13.21) regulations for the evaluation

electromagnetic compatibility

Approved By

Terry Tang

Manager

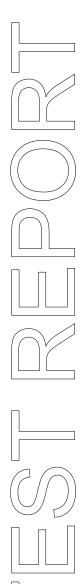
Dated: January 09, 2024

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



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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.

11.0

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

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

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: GUANGZHOU PERFECT TECHNOLOGY CO., LTD

Address: NO.17, Shiliu Road, Changyaoling Village, Zhongluotan Town, Baiyun District, Guangzhou

Telephone: -Fax: --

1.3 Description of EUT

Product: Remote Control

Manufacturer: GUANGZHOU PERFECT TECHNOLOGY CO., LTD

Address: NO.17, Shiliu Road, Changyaoling Village, Zhongluotan Town, Baiyun District,

Guangzhou

Trademark: N/A
Additional Trademark: N/A

Model Number: WM-RF-2.4G

Additional Model Name N/A Rating: DC3.0V

Battery: 1pc DC3.0V CR2025 button battery
Modulation Type: GFSK (Bluetooth Low Energy)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

Hardware Version: HC-12VWY-1.0 Software Version: RFGDV32-16FR8180

Serial No.: N/A

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

2023-12-29 to 2024-01-09

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty = 6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Conducted Emissions Uncertainty = 3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

Andy -xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100253	2023-07-14	2024-07-13
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2023-07-14	2024-07-13
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2023-07-14	2024-07-13
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2023-07-14	2024-07-13
Power sensor	Anritsu	MA2491A	32263	2023-07-14	2024-07-13
Bilog Antenna Schwareb		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	2023-07-14	2024-07-13
EMI Test Receiver	RS	ESCS 30	834115/006	2023-07-14	2024-07-13
Spectrum	HP/Agilent	E4407B	MY50441392	2023-07-14	2024-07-13
Spectrum	RS	FSP	1164.4391.38	2023-07-14	2024-07-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2023-07-14	2024-07-13
RF Cable	Zhengdi	7m		2023-07-14	2024-07-13
Pre-Amplifier	Schwarebeck	BBV9743	#218	2023-07-14	2024-07-13
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2023-07-14	2024-07-13
LISN	SCHAFFNER	NNB42	00012	2023-07-14	2024-07-13
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13

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	N/A	N/A
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

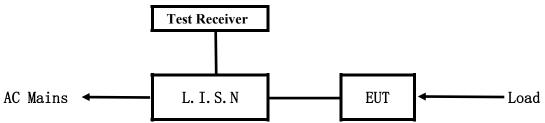
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

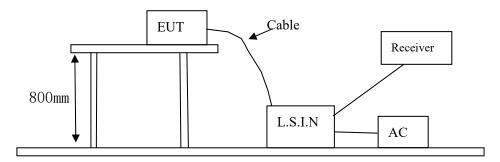


EUT: Equipment Under Test

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.

40 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID	
Remote Control	GUANGZHOU PERFECT	WM-RF-2.4G	2BECO-RF24G	
	TECHNOLOGY CO., LTD	W WI-KT-2.4G	ZBECU-KF24G	

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

N/A

Note: EUT powered by CR2025 button battery, this test item not applicable

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6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

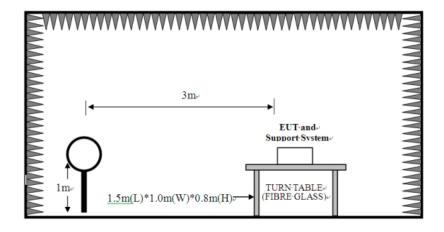
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
Above IGHZ	Peak	1MHz	10Hz	Average

(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



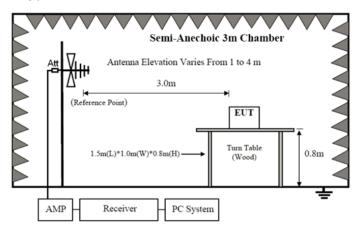
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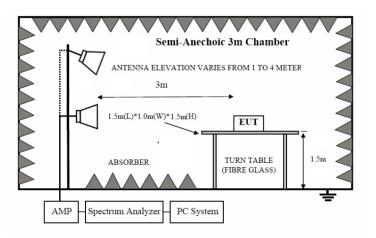
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For radiated emissions from 30MHz to1GHz



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)			trength of Harmo	onics (3m)
(MHz)	mV/m	dBuV/m		uV/m	dBuV/m	
2400-2483.5	50	94 (Average) 114 (Peak)		500	54 (Average)	74 (Peak)

Note:

- 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency Range (MHz) Distance (m)		Field strength (dB µ V m)
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. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 6. New Battery was used during the test.

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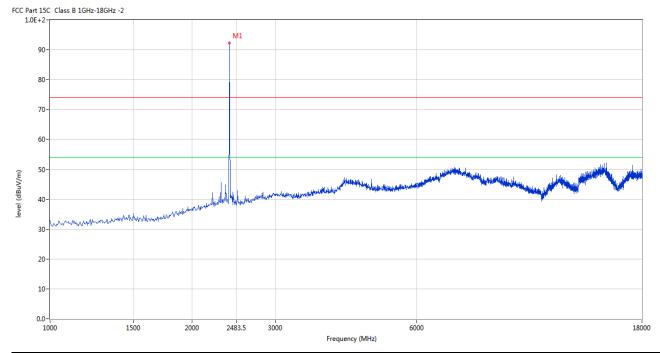


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



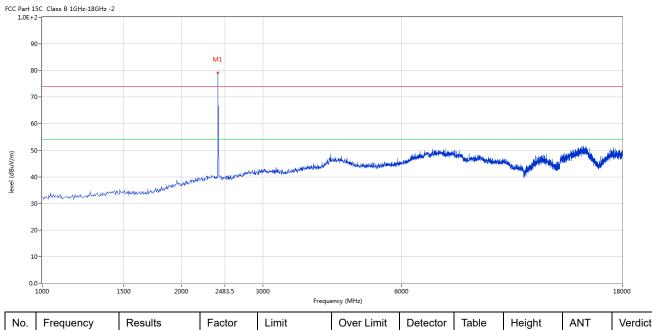
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	92.25	-3.57	114.0	-21.75	Peak	15.00	100	Horizontal	Pass

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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)		
Ī	1	2402	79.09	-3.57	114.0	-34.91	Peak	84.00	100	Vertical	Pass

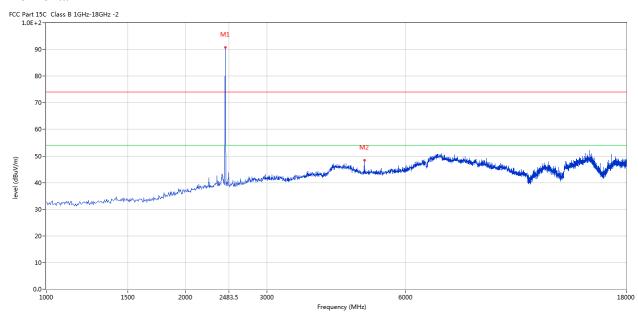
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



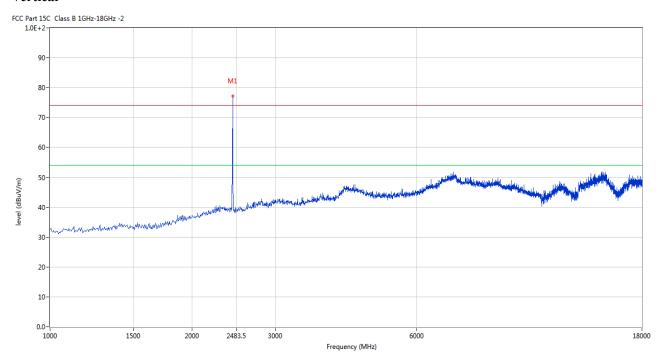
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	90.76	-3.57	114.0	-23.24	Peak	5.00	100	Horizontal	Pass
2	4879.280	48.36	3.20	74.0	-25.64	Peak	11.00	100	Horizontal	Pass

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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	77.21	-3.57	114.0	-36.79	Peak	170.00	100	Vertical	Pass

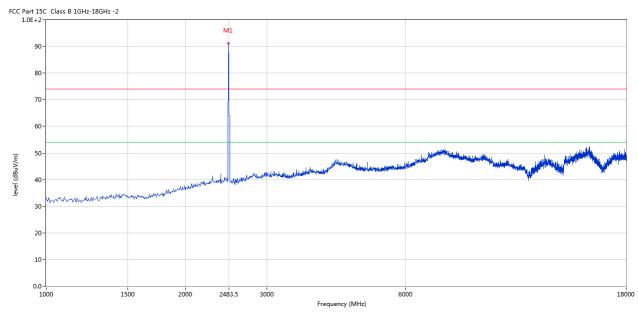
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



ſ	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2480	91.21	-3.57	114.0	-22.79	Peak	19.00	100	Horizontal	Pass

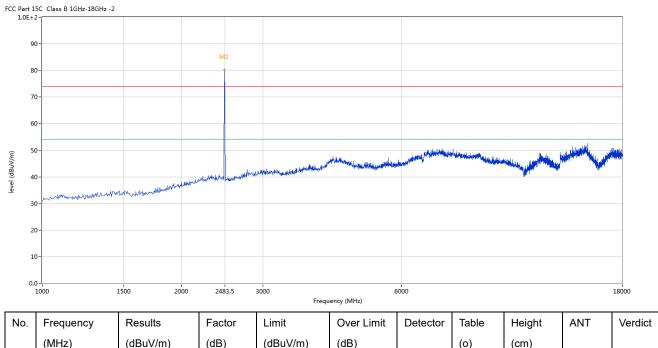
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Vertical



N	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2480	80.20	-3.57	114.0	-33.80	Peak	163.00	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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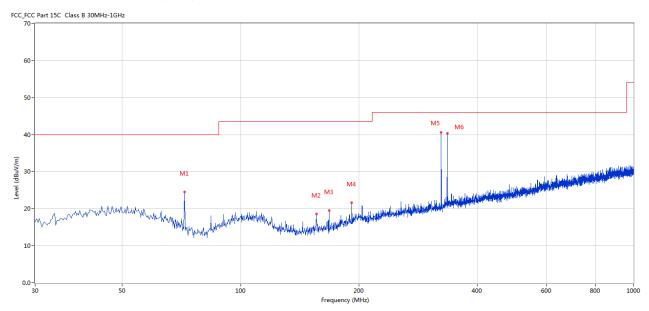


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	71.942	24.58	-16.53	40.0	15.42	Peak	21.00	100	Horizontal	Pass
2	155.826	18.60	-16.65	43.5	24.90	Peak	46.00	100	Horizontal	Pass
3	167.948	19.54	-16.14	43.5	23.96	Peak	247.00	100	Horizontal	Pass
4	191.950	21.63	-14.07	43.5	21.87	Peak	255.00	100	Horizontal	Pass
5	323.837	40.61	-10.49	46.0	5.39	Peak	3.00	100	Horizontal	Pass
6	335.959	40.29	-9.91	46.0	5.71	Peak	3.00	100	Horizontal	Pass

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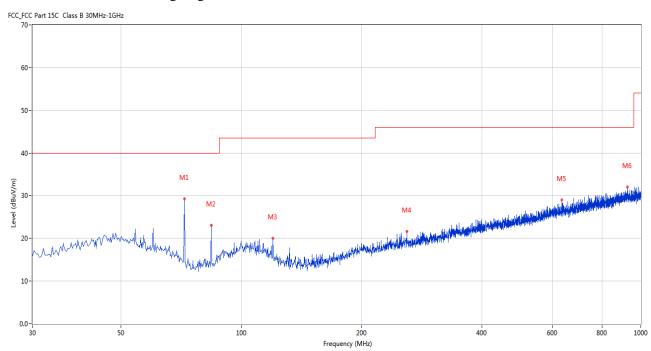


Radiated Emission In Vertical (30MHz----1000MHz)

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	71.942	29.33	-16.53	40.0	10.67	Peak	253.00	100	Vertical	Pass
2	84.064	23.05	-16.72	40.0	16.95	Peak	268.00	100	Vertical	Pass
3	119.945	20.01	-15.32	43.5	23.49	Peak	315.00	100	Vertical	Pass
4	259.590	21.64	-11.85	46.0	24.36	Peak	256.00	100	Vertical	Pass
5	634.644	29.05	-4.85	46.0	16.95	Peak	330.00	100	Vertical	Pass
6	924.601	32.02	-1.75	46.0	13.98	Peak	270.00	100	Vertical	Pass

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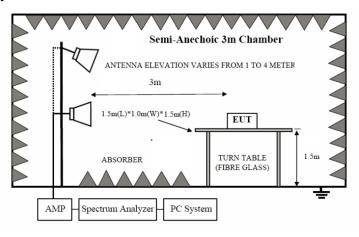


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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

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

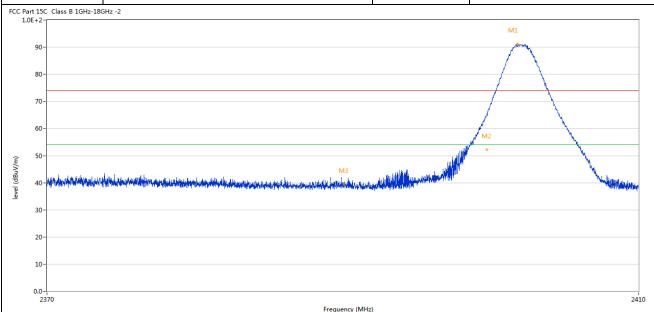
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7.6 Test Result

Product:	Remote Control	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-180	GHz -2		



N	Ю.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2401.772	91.06	-3.57	74.0	17.06	Peak	25.00	100	Horizontal	N/A
2		2400.000	65.15	-3.57	74.0	-8.85	Peak	1.00	100	Horizontal	Pass
2	**	2400.000	52.36	-3.57	54.0	-1.64	AV	1.00	100	Horizontal	Pass
3	}	2390.000	39.38	-3.53	74.0	-34.62	Peak	261.00	100	Horizontal	Pass

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1	Product:		Remote	Control		Detecto	r	\	/ertical	
	Mode		Keeping T	ransmitting		Test Volta	age	Г	OC3.0V	
Те	mperature		24 de	eg. C,		Humidi	ty	5	6% RH	
Te	est Result:		Pa	ass						
C Part 1	15C Class B 1GHz-18GHz 2-	-2					•			
9	0-							M1		
8	0-							M ^R M		
7	0-						,	/ \		
6	0-						/	<u> </u>		
								4	\	
5	0-									
5	0-				M3		M2		M.	
5		a the first the last the section of	stranguistroti diktrimeria difterralgeris dik			ind which flowers hard an about species	M2		A CONTRACTOR OF THE PARTY OF TH	an hayan al distribut
4		and the second section of the	stransportment all trimmers of the consiger, and it	ing industrial and the second section of the second section of the second section of the second section of the		majohtin firme i kralan ukan jingi sa	M2		A Management of the second of	ort agraphics at
3	O-	adiriya di ku adina fiya Paga di sakati datilari	droepotest de front la département de	ikus kizhalis dalma esphisikyas retar finsk		makybbir franciska (an arba-francis	M2 •		A manufalling and any	ant hay no afficient
3		adarrige de la mallama fina a Perez adare la estra de major pa	ginarjument da kunaria diku naripen suki	ing dag dag dag dag dag dag dag dag dag da		majobbi financhada at abaqincha	M2 •		Manufacture of the second	arthugu a ^{leks} te d
4 3 2		antique de la mademplação (ingraede el ser el angla	drospostalis de len era dipensiones. di	ilan plan delina delemente in la prime esca fin de		makiphinipensi kalandakipinin	M2 •		And the second second	arting above
4 3 2		adariyan da ku adalang kepan (mara da adarah da adalah pe	dempiritat, di timuria dita rrafarra di		ionale dell'imperiora provincia prov	maki pilaten para katalan ada pira te	M2 •		A second	2410
4 3 2 1 0.	0-			Fi	equency (MHz)		and the second s	 Heiaht		2410
. 4 3 2	0	Results	Factor	F: Limit	equency (MHz) Over Limit	Detector	Table	Height (cm)	ANT	2410
4 3 2 1 0.	0-			Fi	equency (MHz)		and the second s	Height (cm)		2410
4 4 3 3 2 2 1 1 0	o- 0- 0- 0- 0- 0- 2370 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	Table (o)	(cm)	ANT	2410 Verdic
4 3 2 1 0.	Frequency (MHz) 2401.902	Results (dBuV/m) 77.13	Factor (dB) -3.57	Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 3.13	Detector Peak	Table (o) 87.00	(cm)	ANT Vertical	2410 Verdic

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]	Product:		Remote	e Control		Polar	ity]	Horizontal	
	Mode		Keeping 7	Fransmitting		Test Vo	ltage		DC3.0V	
Те	mperature		24 d	leg. C,		Humio	dity		56% RH	
Te	est Result:		P	ass						
C Part 1	15C Class B 1GHz-18GH:	z -2					•			
	30-		MJ	L TOWN AND A STATE OF THE STATE						
7	70-		-							
6	50-		/							
5	50-			M	2					
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4	10-	and well state of the state of		M	N .	ali di gilik panah kanin di di sama daki dali			nords without distributed as	d who the day
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3	20-	trobandson		M	N .	ur zaktoni kom a no obseh	de region de la serva de la s erva de la serva de la	ultigeraphic geolological franchis	neego, anthree thickers, aris thinken	ak seisean aktiva
3	20-	Training and the state of the s		M		air ingligent and a weather	Anne productive and the	alt grands publicated to the	needin and his back as the state of the stat	
4 3 2 1	10	Results	Factor	•	3.5	Detector	Table	Height	ANT	25
4 3 2 1	00		Factor (dB)	248.	3.5 Frequency (MHz)					25
1 1 0 No.	10- 20- 20- 2470 Frequency	Results		248.	3.5 Frequency (MHz)		Table	Height		25
3	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	3.5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	25 Verdid

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Product:			Remote Control			Detector		Vertical		
Mode			Keeping Transmitting			Test Voltage DC3.0V		DC3.0V		
]	Temperature		24 deg. C,			Hum	idity	56% RH		
-	Test Result: Pass			Pass		-				
CC Part	15C Class B 1GHz-18GHz	-2								
	90-									
			M1							
	80-		MANA	A						
	70-		And!	N _N						
	60-		- /^	``h _y						
Œ !	50-		f -	M2						
evel (dBuV/m)	40-latinggrammalikkagarpantapproduk	anima makalakan da		" Yr w Wall	In proposition to be superior and the	languarity provided along the last of the state of the	alvell, deliterandra, miland	enament proprietaris de la contrata de la contrata Contrata de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata del contrata del contrata de la contrata de	e bet despete de plant et la lagra est	de trades
	30-									
	20-									
:	20-									
:				2483.5						2500
:	10-			Fre	rquency (MHz)	I				
:	10- 2470 Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	
No.	Frequency (MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	Over Limit (dB)		(0)	(cm)		Verdict
:	10- 2470 Frequency			Limit	Over Limit	Detector Peak Peak		_	ANT Vertical Vertical	verdict N/A Pass

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

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna with gain 0dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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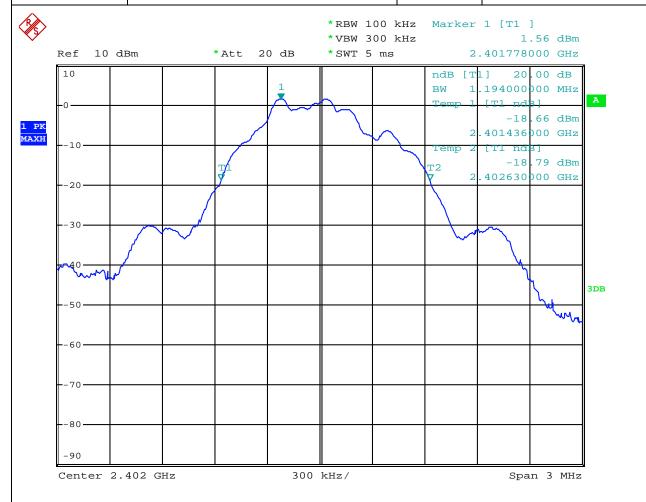
Report No.: TW2312320E

Date: 2024-01-09



Test Result

Product:	Remote Control	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.194MHz		



Date: 9.JAN.2024 10:04:25

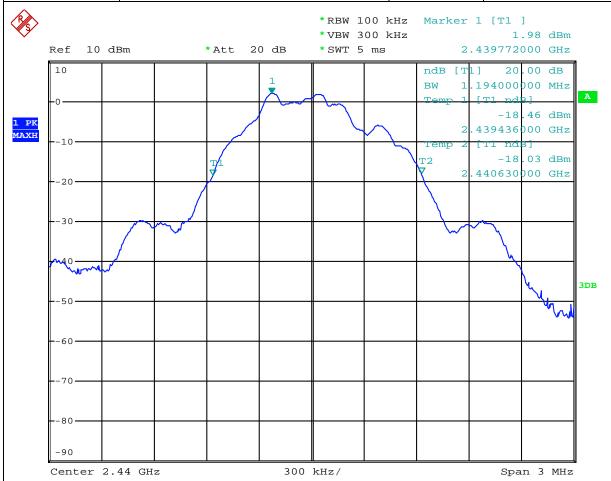
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Product:	Remote Control	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.194MHz		



Date: 9.JAN.2024 10:05:12

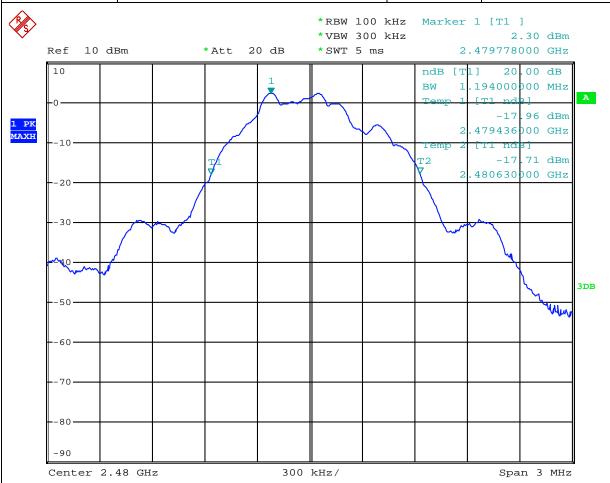
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Product:	Remote Control	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.194MHz		



Date: 9.JAN.2024 10:05:44

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10.0 FCC ID Label

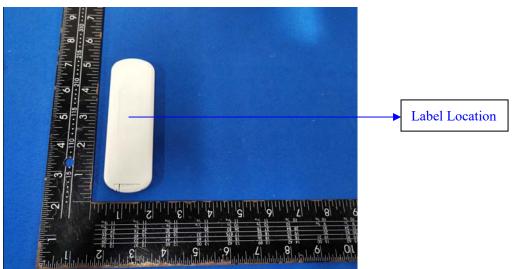
FCC ID: 2BECO-RF24G

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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Photo of testing 11.0

11.1 Conducted test View

N/A

Radiated emission test view



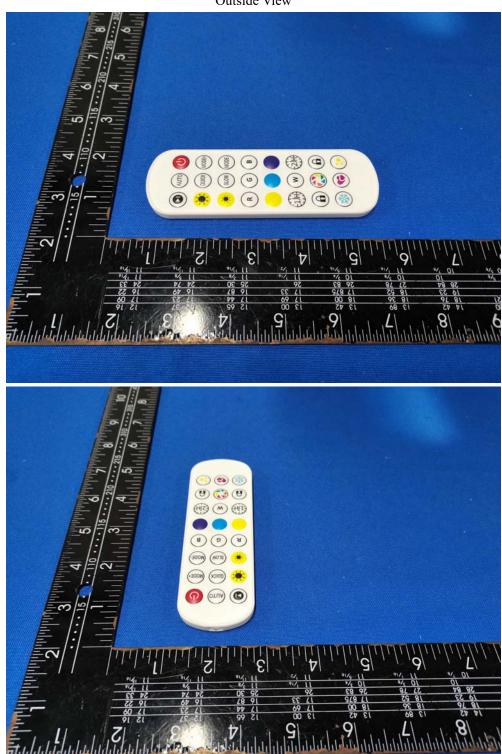
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Photographs - EUT

Outside View



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

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Outside View



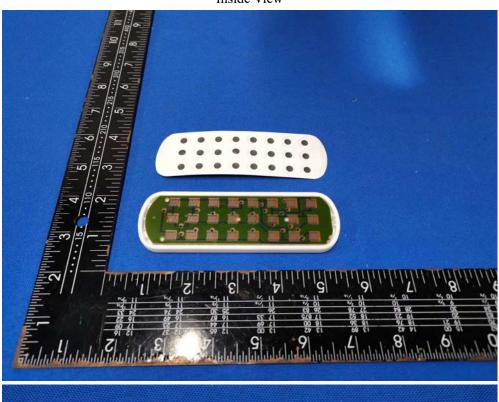
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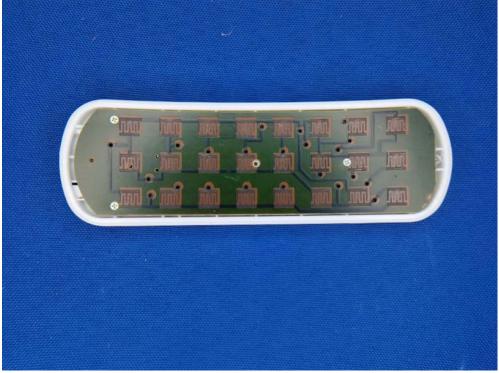
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Inside View





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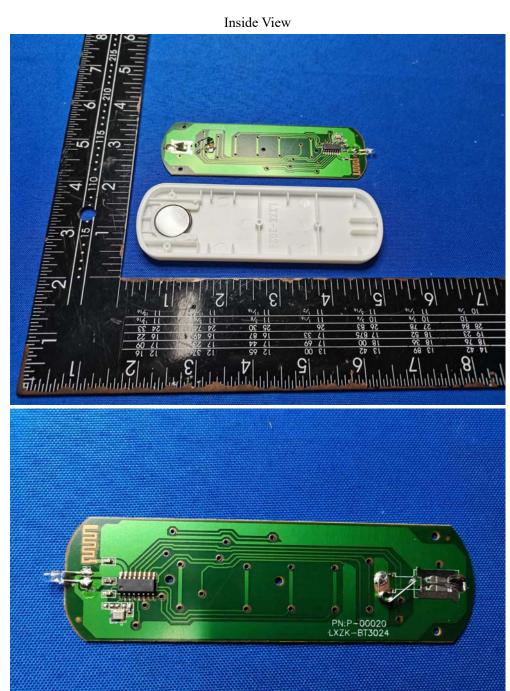
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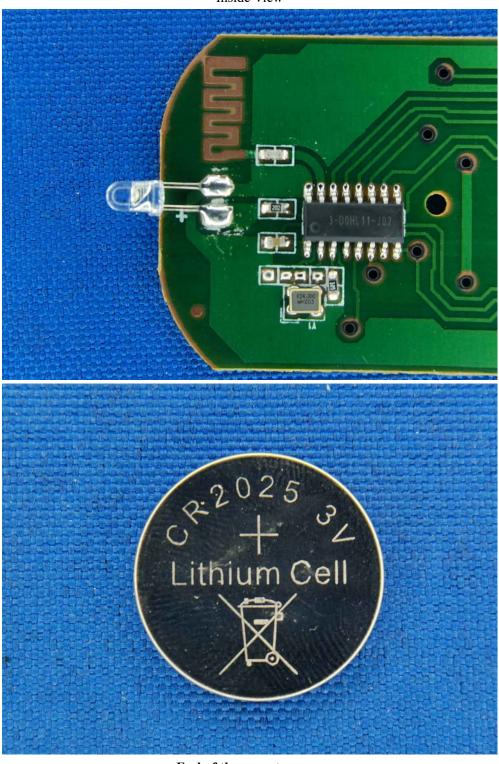
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Inside View



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