

Report No.: TW2107217E File reference No.: 2021-08-05

Applicant: FUZHOU EMAX ELECTRONIC CO., LTD.

Product: Food Thermometer

Model No.: EM2241-T1

Brand Name: 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

electromagnetic compatibility



Dated: August 05, 2021

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to
withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number: 5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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1.6

1.7



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

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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: FUZHOU EMAX ELECTRONIC CO., LTD.

Address: 1st, 4th, 5th floor of Building 27& Building 28, Fuwan, Jinshan Industrial Concentration Area,

No.869 Panyu Road, Gaishan Town, Cangshan District, FuZhou, Fujian, China.

Telephone: --Fax: --

1.3 Description of EUT

Product: Food Thermometer

Manufacturer: FUZHOU EMAX ELECTRONIC CO., LTD.

Address: 1st, 4th, 5th floor of Building 27& Building 28, Fuwan, Jinshan Industrial

Concentration Area, No.869 Panyu Road, Gaishan Town, Cangshan District,

FuZhou, Fujian, China.

Brand Name: N/A

Model Number: EM2241-T1

Additional Model Name N/A
Hardware Version: V1.6
Software Version: V1.0

Rating: DC3V, 2pcs AAA battery
Modulation Type: GFSK Low Energy (BLE)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

Antenna Designation Integral antenna with gain 1.2dBi Max (Declared by the applicant)

1.4 Submitted Sample: 1 pc

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1.5 Test Duration

2021-07-15 to 2021-08-05

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

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-06-18	2022-06-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	Negres (2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

2.2 Automation Test Software

For Conducted Emission Test

Name	Version		
EZ-EMC	Ver.EMC-CON 3A1.1		

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 **Technical Details**

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	PASS	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	PASS	Complies

3.2 **Test Standards**

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 **EUT Modification**

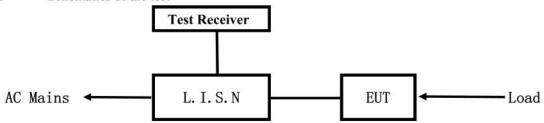
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

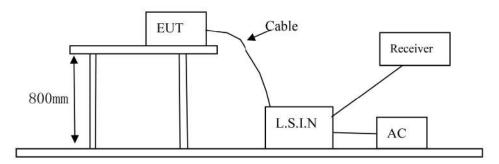


EUT: Equipment Under Test

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
Food	FUZHOU EMAX ELECTRONIC CO., LTD.	EM2241-T1	WEC-2241BT
Thermometer	FOZHOU EMAX ELECTRONIC CO., LTD.	EW12241-11	WEC-2241B1

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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 ~ 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:

N/A

Note: EUT powered by AAA battery, this test item not applicable.

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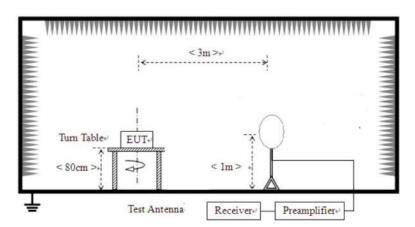


6 Radiated Emission Test

- 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 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

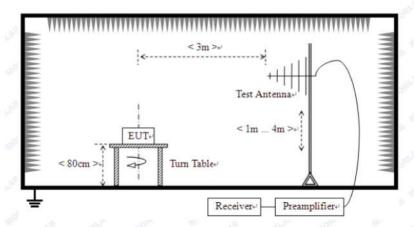
For radiated emissions from 9kHz to 30MHz



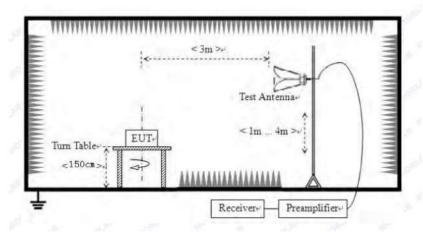
Date: 2021-08-05



For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT Same as section 5.3 of this report
- 6.3 **EUT Operating Condition** Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field Strength of Harmonics (3m)				
(MHz)	mV/m	dBu	V/m	uV/m	dBuV/m			
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)		

Note:

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

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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. 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.
- 5. 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.
- 6. New batteries were used during tests.

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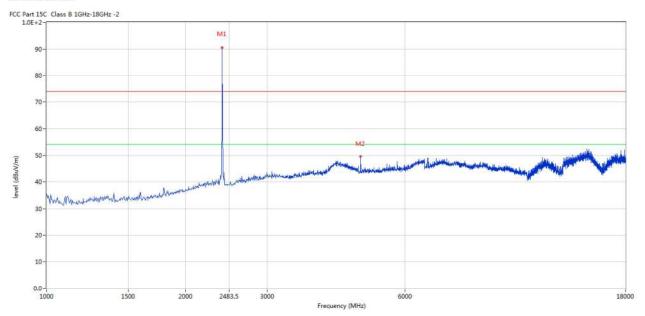


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



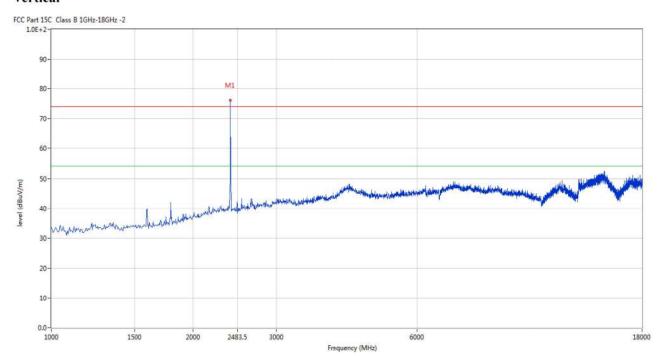
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.149	90.61	-3.57	114.0	-23.39	Peak	261.00	100	Horizontal	Pass
2	4802.799	49.59	3.12	74.0	-24.41	Peak	285.00	100	Horizontal	Pass

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Vertical



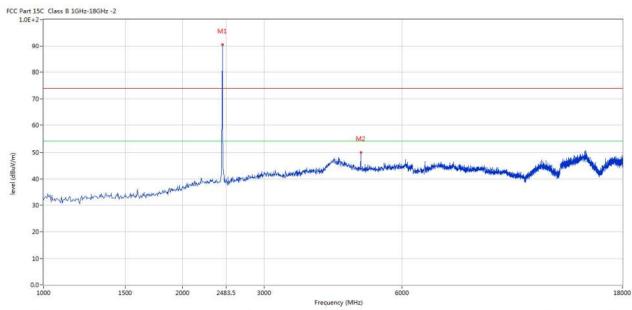
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	76.16	-3.57	114.0	-37.84	Peak	326.00	100	Vertical	Pass

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

Horizontal



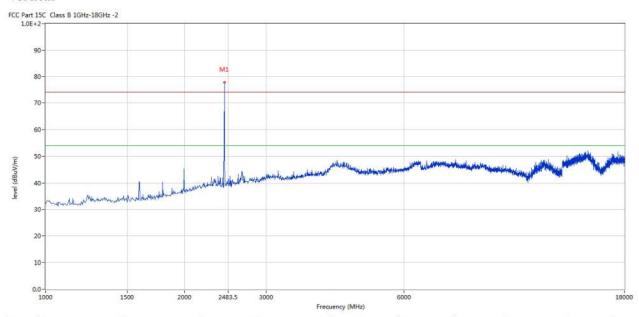
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440.390	90.60	-3.57	114.0	-23.40	Peak	271.00	100	Horizontal	Pass
2	4879.280	50.85	3.20	74.0	-23.15	Peak	271.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	77.82	-3.57	114.0	-36.18	Peak	177.00	100	Vertical	Pass

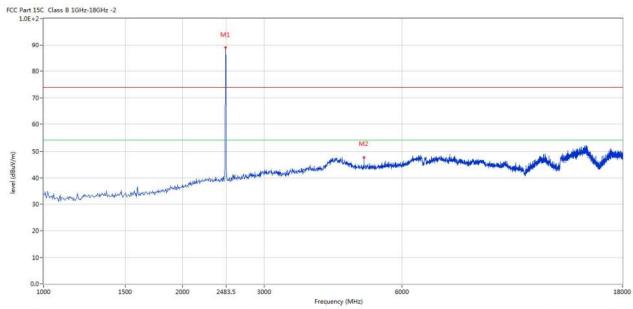
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2479.630	89.01	-3.57	114.0	-24.99	Peak	276.00	100	Horizontal	Pass
2	4960.010	47.72	3.36	74.0	-26.28	Peak	55.00	100	Horizontal	Pass

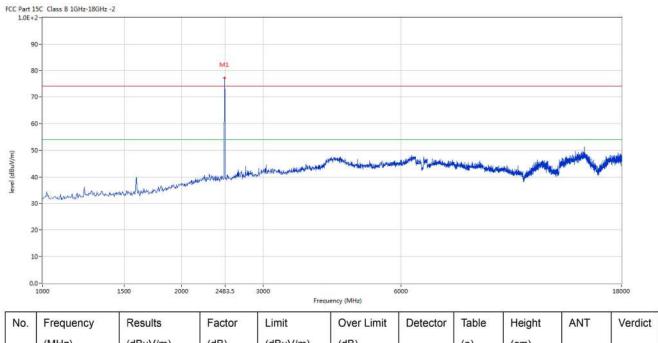
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2479.630	77.25	-3.57	74.0	-36.75	Peak	12.00	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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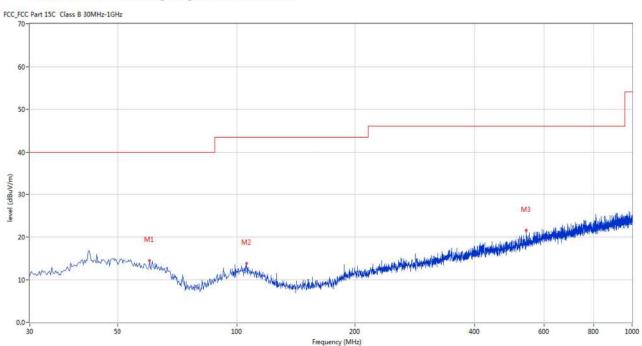


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	60.305	14.47	-12.99	40.0	-25.53	Peak	207.00	100	Horizontal	Pass
2	105.884	13.89	-13.29	43.5	-29.61	Peak	67.00	100	Horizontal	Pass
3	541.790	21.65	-6.36	46.0	-24.35	Peak	27.00	100	Horizontal	Pass

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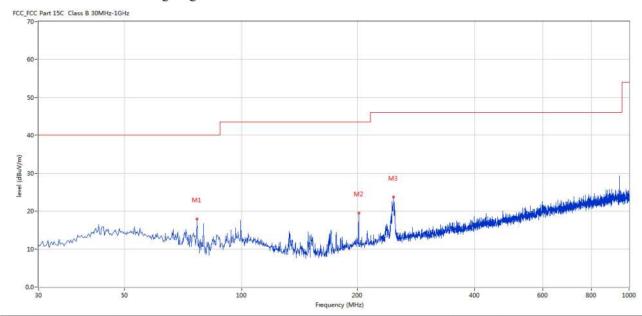


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	76.791	17.96	-17.62	40.0	-22.04	Peak	0.00	100	Vertical	Pass
2	201.405	19.53	-13.42	43.5	-23.97	Peak	0.00	100	Vertical	Pass
3	247.468	23.77	-12.11	46.0	-22.23	Peak	0.00	100	Vertical	Pass

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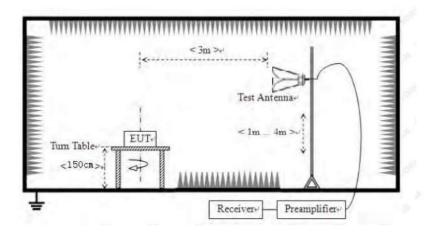


7. Band Edge

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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7.6 Test Result

1	Product:		Food Thermometer			Polarity		Н	orizontal	
	Mode	K	Leeping Tra	nsmitting	Г	est Voltag	e	I	DC3.0V	
Te	mperature		24 deg	24 deg. C,				56% RH		
	est Result:	A	Pas	10						
2 Part 1	15C Class B 1GHz-18GHz	:-2								
	10-								M1	
9								1	1	
8	10-							1	1	
7	0-							1	1	
6	io-								1	
								M2		
								1 11	IR.	
5	0-				Town	M3	ALLE LA LANGE	MAN	1	الماليم
4	5.5	عاقب نورسا أدي موجات المعتبر عالم أعدا إعدا	er paraul an albane de	water high payment	physical constitution of the physical states	M3	Miles and the state of the stat		174	بهاله
4	5.5	and the state of t	et gida il en sila kepa literilaria elangher	and the state of the latest state of the	eddyddidoes haan galleyddigae	M3	Miles and the state of the stat		***	in Aller
3	10-	ing a franchische State produktion op in der	etgapula, glu, palliplate d'uni, q	maka iliya di gibi kabupatan dan	ndydd on hann gallin differ	Ma	gipton illegibe	HOHAWA .	1	WALL
3		فالبردور موذن وموايات والمجاهد والمراهود	et gilgisken slik i gel Verkerie frankeri	wakethin, digle la berytisk op	nderlied on the property deligible	Ma	gara Hallanda		1	المالية
3	10-	ing and have a figure surprise surprise and a surprise su	er gelander, silk neut trophete de urbert	wakika dina dina kata kata da k	ndyddd on hawn air y differia	M3	adir ya ishi ishi da ishi	WHA	•	
4 3 2 1		ing and Land of the markets with the proper with two or grands and	et giliyaken dikanga Dindonin di nebuga			Ma	girya ithigh yiku		•	2410
4 3 2 1	0 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -				Frequency (MHz)					
4 3 2 1	0- 0- 0- 2350	Results	Factor	Limit	Frequency (MHz) Over Limit	Detector	Table	Height	ANT	2410 Verdic
3 2 2 1 0.	0 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -				Frequency (MHz)					
4 3 2 1	0- 0- 0- 2350	Results	Factor	Limit	Frequency (MHz) Over Limit		Table	Height	ANT Horizontal	
3 2 2 1 0.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdic

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Report No.: TW2107217E Date: 2021-08-05

]	Product:	F	ood Thern	nometer	1	Detector		Ve	rtical		
	Mode	Ke	eeping Tra	nsmitting	Te	st Voltage		DC3.0V			
Te	mperature		24 deg	. C,	I	lumidity		56% RH			
Те	est Result:		Pass	S							
C Part 1	15C Class B 1GHz-18GHz	-2			(4)		*				
9	90-										
8	30-								VII.		
7	70-								1		
6	50-							M2	No.		
5	60-								A distribution		
(m/apon) (apon)	10-	and the harman straight place as absorbed	ورسوا أجارها الارادان الماسان	المعادد المعادلة الم	ومراجعا ويراجع والمارية	Line Hundrick Halling	Kapatakalajatek		PARTY.		
	30-	= 1 = 1/4		A AF TO SEE		2/					
2	20-										
1	.0-										
0.	2350			Fre	equency (MHz)					2410	
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdic	
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)			
2	2399.908	50.80	-3.57	74.0	-23.20	Peak	350.00	150	Vertical	Pass	
2	2200 040	20.17	2.52	74.0	24.02	Dook	224.00	150	Vertical	Door	

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Product	:		Food The	rmometer		Polarity	9	Но	orizontal	
Mode		K	Leeping Tr	ansmitting		Test Voltag	ge	Γ	DC3.0V	
Temperat	ire	24 d	24 de	g. C,		Humidity	,	5	6% RH	
Test Resu	lt:		Pa	ss						
C Part 15C Class B 10 1,0E+2-	Hz-18GHz -2				(A)					
90-			1	No.						
70-				V						
			/	M						
60-		and the state of t		1						
50-	All Hilling was a second	Mary Mary Mary Mary Mary Mary Mary Mary		,	The state of the s	adramatica de la compansión de la compan	internative phase player	mil-ladibilipask-mbilgsdel	eddadon o due photocon dido por	haddet!
50-	Augusta Maria	Maria Malia Maria Ma		, A	Mary Mary Mary Control of the Contro	of the state of th	ichland wighungslage	mitrimat pripary maring da	in the way the phone and the part	maral dept
50- 40-	ALL MANAGEMENT	Maria Ma		***	and the second second second	international policy designation	ethendraphasetiage	mikindhejasiyadiqida	in dendroop they be deemed die poo	tional myst
50- 40-	ALL MANAGEMENT	Mary Mary Mary Mary Mary Mary Mary Mary		***	and the second second second	or the second and the	internal response frage	indished bijasiya daga gal	iki dandan Musik dan melilik pol	Sala
50 - 40 - 30 - 20 -	AND THE PARTY OF T	Mary Mary Mary Mary Mary Mary Mary Mary				or our desirable of the contract of the contra	irlianda ing pinasa pinasa	hadda dhagaashada ay gal	in dana mangang bang ang didapat	
50 - 40 - 30 - 20 -	A CONTRACTOR OF THE PARTY OF TH	MATERIAL PROPERTY.		2483.5		ni periodina di periodina di	dianisms	hadrad sejecijahayad	ia ikanbunyeng bahan dikepul	
50 - 40 - 30 - 20 - 10 - 2470	ncy Re	esults	Factor		5	Detector	Table	Height	albahan tupkban dilapa	2500
50 - 40 - 30 - 20 - 10 - 2470	10.752	esults BuV/m)	Factor (dB)	T	Frequency (MHz)					2500 Verd
50- 40- 30- 20- 10- 2470	(dl		100000000000000000000000000000000000000	Limit	Frequency (MHz)		Table	Height		2500

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I	Product:		Food Ther	mometer	I	Detector		Ve	rtical	
	Mode	K	eeping Tra	nsmitting	Tes	st Voltage		DC	23.0V	
Te	mperature		24 deg	g. C,	Н	Iumidity		569	% RH	
Te	st Result:		Pas	S						
2 Part 1	5C Class B 1GHz-18GHz	-2					- 15			
1,00+										
90	0-									
80	0-		arm	n.						
7	0-		N	n.						
/				27						
66	0-		N	J						
60			A A A	John Market						
60	0-	thickness of the state of the s	ANA TO THE PROPERTY OF THE PRO	Mark Market Comment	hodologish as been belones	a kannan ya Unijakan di	dahasid di karihadan	andaharahidha	ndahira makiralisa	idhid
60	o-	the object to the wife of the land	p ^A	Mary Mary Colored	the description is a suit of the second	a kenney, in this part h	Advantableshind	andald washing	ndd tawdy o day	idliggish
50	0	(B. J. Hans or the state of the	of the second	John Der John Brown	horastallas qual del grace	a havaan, in Wilstan d	hhaddalaikh	aubhardidha	nddd a maellad dan d	Hilland
50	O-milkly in hardely filely	ikulikasarip den alberia kilikasi ilikasi ilikasi ilikasi ilikasi ilikasi ilikasi ilikasi ilikasi ilikasi ilik	r ^M	Orthodox Orthodox	المهم المعادلة المعاد	n kawan, in thill mush	his and desperience of	المراماط المرام ا	ndeblika melji kelitan d	i i dileggi k
50 40 30 20		the other section and the wife the section of the s	pa nd	Mary Mary Mary Mary Mary Mary Mary Mary	to of the second second second	المراجعين المراجعين الم	de provide by grand and	هوالعأط يتبدوا زنطاؤه	nd train the land	i i Alija
50 40 30 20	O-milkly in hardely filely	thicker see in the wife the side of the si	pa ⁿ	2483.5	requency (MHz)	a havaan in Wilston d	desposit despois a desposit despois de	a gobble sprink i delica	richte aunde judian d	2500
60 50 40 30 20 10		Results	Factor	2483.5		Detector	Table	Height	ANT	20/00/2017
50 40 30 20	0	A District Sea of America	Factor (dB)	2483.5 F	requency (MHz)				and the state of t	z500 Verdic

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

2. 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.

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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 integral antenna with gain1.2dBi Max.

Test Result: Pass

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FSK Modulation					ŊC.		
Product:	Food Then	nometer		Test Mode:		Keep tran	nsmitting
Mode	Keeping Tra	nsmitting		Test Voltage	:	DC3	.0V
Temperature	24 deg	. C,		Humidity		56%	RH
Test Result:	Pas	s		Detector		P	K
20dB Bandwidth	1.244N	ИHz				-	-
6	Marker 1 [T	1 ndB]	RE	3W 100 k	Hz R	F Att	20 dB
Ref Lvl	ndB	20.00 dB	VE	300 k	Hz		
10 dBm	BW 1.244	48898 MHz	SW	√T 5 m	ns U	nit	dBm
10				v ₁	[T1]	-2	.41 dBm
						2,40199	699 GHz
0				ndl		20	.00 dB
			Jun	DW ▼T			898 MHz
-10				1	OP 1	2 40131	.22 dBm 776 GHz
				△	2 [T1]		.79 dBm
-20	-				<u> </u>	2.40262	
1MAX							
-30					74		-
						1	
-40						1	N.
-50		+ +					TALL
							V
-60							
-70		+					
-80		\perp					
-90							

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Product:	Foo	d Thermometer	15	Γest Mode:	Keep tr	ansmitting
Mode	Keep	oing Transmitting	Г	est Voltage	DC	C3.0V
Temperature	511	24 deg. C,		Humidity	569	% RH
Test Result:		Pass		Detector		PK
20dB Bandwidth		1.238MHz		NEWS.	12	1757
(A)	Marke	r 1 [T1 ndB]	RBW	100 kHz	RF Att	20 dB
Ref Lvl	ndB	20.00	dB VBW	300 kHz		
10 dBm	BW	1.23847695	MHZ SWT	5 ms	Unit	dBm
10				V1 [2	11 -	3.79 dBm
					2.4399	9699 GHz
0			3	ndk	20	0.00 dB
			1	BW ▼ T	1.2384	7695 MHz
-10				T T	711 -2	3.80 dBm 7776 GHz
				4	[T1] -2	
-20		T		12	2.4406	1623 GHz
1MAX						1MA
-30	~				1	
-40						1
-50						M
-60						
-70						
-80						
-90					govern	5 00 12 127776
Center 2.44	GHZ		300 kHz/		Spa	an 3 MHz

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Product:	F	ood Thermom	eter	T	est Mode:	Keep t	ransmitting		
Mode	Ke	eping Transm	itting	Te	est Voltage	<u> </u>	C3.0V		
Temperature		24 deg. C,	757	_	Humidity	56	5% RH		
Test Result:		Pass		_	Detector		PK		
20dB Bandwidth		1.238MHz			(1557)		1757		
6	Mar	ker 1 [T1 :	ndB]	RBW	100 kH:	z RF Att	20 dB		
Ref Lvl	ndB	20	.00 dB	VBW	300 kH:	Z			
10 dBm	BW	1.23847	695 MHz	SWT	5 ms	Unit	dBm		
10					v ₁ [T1] -	-4.52 dBm		
						2.4799	9699 GHz		
			4		ndB	2	0.00 dB		
				\ \ \	BW ▼ _T	1.2384 [T1] -2	17695 MHz		
-10			200		1	2.4793			
20.00					4	[T1] -2	24.48 dBm		
-20 1MAX		T			12	2.4806	1623 GHz		
-30	1	=====================================				James /			
-40						1	N. Carlotte		
-50				8			www		
-60				2					
-70									
-80					E 5				
-90									
Center 2	.48 GHz		300 kF	Iz/		Sp	an 3 MHz		

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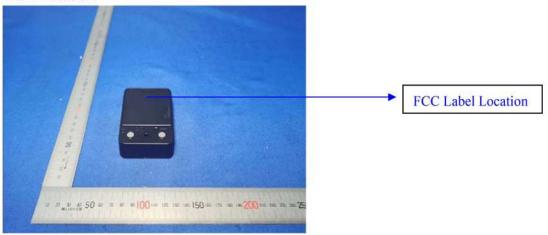


10.0 FCC ID Label

FCC ID: WEC-2241BT

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:



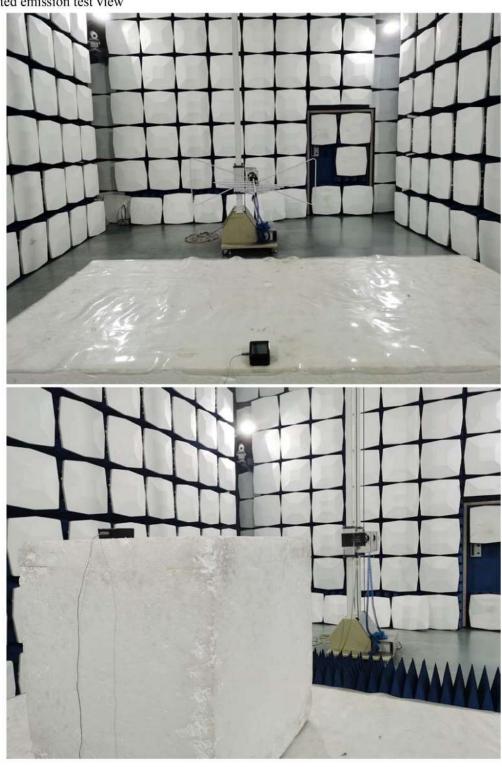
Date: 2021-08-05



11.0 Photo of testing

11.1 Conducted test View-N/A

Radiated emission test view



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

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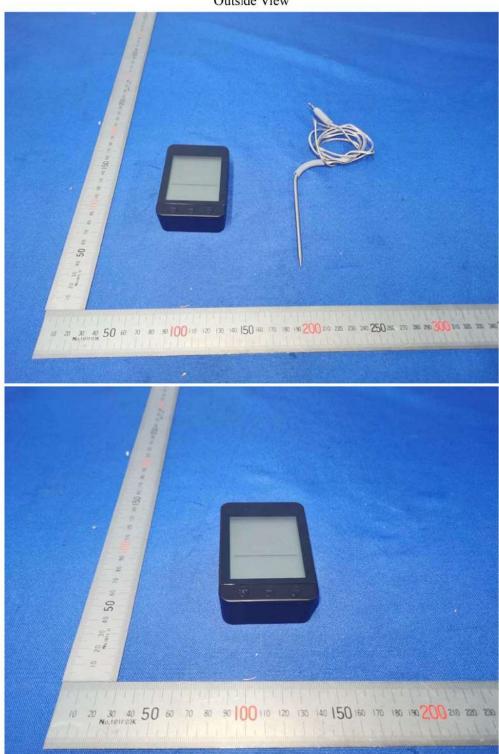
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11.2 Photographs - EUT

Outside View



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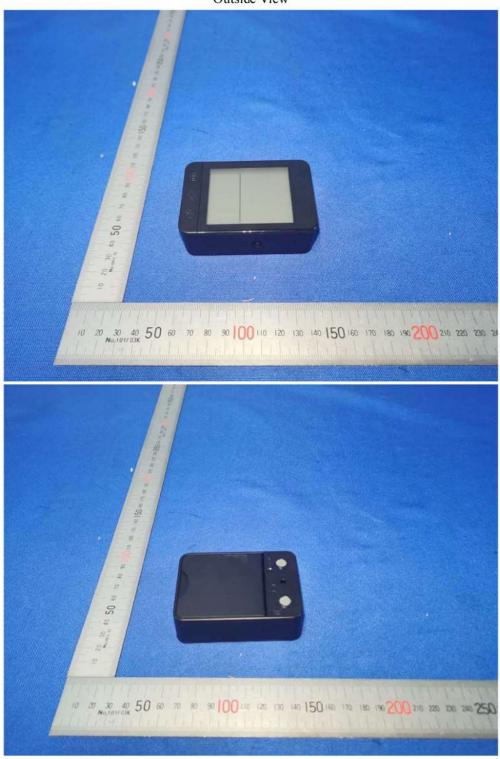
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Photographs - EUT

Outside View



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Outside View



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Outside View



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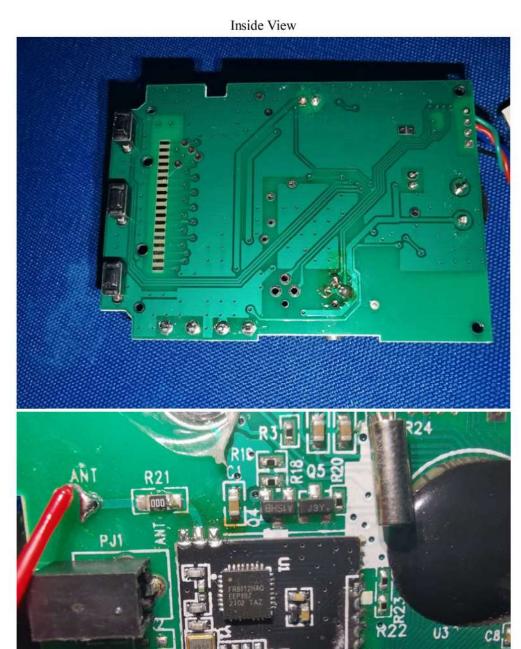
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-- End of the report--

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