

TEST REPORT

FCC ID: 2AVEN-CW286BLE

Product: Electronic scale

Model No.: CW286BLE

Additional Model No.: Please refer to page 5

Trade Mark: N/A

Report No.: TCT201015E907

Issued Date: Oct. 20, 2020

Issued for:

Shenzhen Unique Scales Co., Ltd Floor 3 & 6, Building A, No. 22, Huanping Road, Gaoqiao Community, Pingdi Street, Longgang District, Shenzhen, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab.

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This report reference to TCT191217E009; Change model and additional model

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1. Test Certification

Report No.: TCT201015E907

Product:	Electronic scale			
Model No.:	CW286BLE			
Additional Model No.:	Please refer to page 5			
Trade Mark:	N/A			
Applicant:	Shenzhen Unique Scales Co., Ltd			
Address:	Floor 3 & 6, Building A, No. 22, Huanping Road, Gaoqiao Community, Pingdi Street, Longgang District, Shenzhen, Guangdong, China			
Manufacturer:	Shenzhen Unique Scales Co., Ltd			
Address:	Floor 3 & 6, Building A, No. 22, Huanping Road, Gaoqiao Community, Pingdi Street, Longgang District, Shenzhen, Guangdong, China			
Date of Test:	Dec. 18, 2019 – Dec. 24, 2019			
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013			

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Date:

Dec. 24, 2019

Reviewed By:

P. . .

Tomsin

Date:

Oct. 20, 2020

Approved By:

Date:

Oct. 20, 2020



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	N/A
Conducted Peak Output Power	§15.247 (b)(3)	PASS
6dB Emission Bandwidth	§15.247 (a)(2)	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





3. EUT Description

Product:	Electronic scale			
Model No.:	CW286BLE			
Additional Model No.:	CW222BLE, CW223BLE, CW225BLE, CW226BLE, CW227BLE, CW228BLE, CW229BLE, CW230BLE, CW270BLE, CW272BLE, CW273BLE, CW275BLE, CW276BLE, CW277BLE, CW278BLE, CW279BLE, CW280BLE, CW281BLE, CW282BLE, CW283BLE, CW285BLE, CW287BLE, CW288BLE, CW299BLE, CW291BLE, CW292BLE, CW293BLE, CW295BLE, CW296BLE, CW297BLE, CW298BLE, CW299BLE, CW310BLE, CW311BLE, CW312BLE, CW313BLE, CW315BLE, CW316BLE, CW317BLE, CW318BLE, CW319BLE			
Trade Mark:	N/A			
Bluetooth Version:	V4.2			
Operation Frequency:	2402MHz~2480MHz			
Channel Separation:	2MHz			
Number of Channel:	40			
Modulation Technology:	GFSK			
Antenna Type:	PCB Antenna			
Antenna Gain:	-2dBi			
Power Supply:	DC 4.5V(3*AAA Batteries)			
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.			

Operation Frequency each of channel

Operation	iii i requeile	y cacii o	Chamilei				
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
							•••
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark:	Remark: Channel 0, 19 & 39 have been tested.						



4. General Information

4.1. Test environment and mode

Operating Environment:					
Condition	Conducted Emission	Radiated Emission			
Temperature:	25.0 °C	25.0 °C			
Humidity:	55 % RH	55 % RH			
Atmospheric Pressure	1010 mbar	1010 mbar			
Test software: BK3256	RF Test_V1.3 Power leve	el: 3			
Test Mode:					
Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations with new battery.					

The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	1	1	1	1

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
9	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%



6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

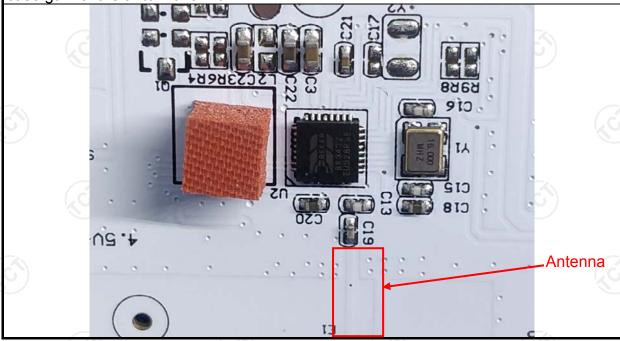
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is PCB antenna which permanently attached, and the best case gain of the antenna is -2dBi.





6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207	KO	
Test Method:	ANSI C63.10:2013			
Frequency Range:	150 kHz to 30 MHz			
		0		
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto			
	Frequency range		(dBuV)	
	(MHz)	Quasi-peak	Average	
Limits:	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	Refere	nce Plane		
Test Setup:	Adapter Filter AC power E.U.T Adapter Filter AC power EMI Receiver Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m			
Test Mode:	Charging + Transmitting Mode			
Test Procedure:	 The E.U.T is conne impedance stabilize provides a 500hm/5 measuring equipment. The peripheral device power through a LI coupling impedance refer to the block photographs). Both sides of A.C. conducted interferer emission, the relative the interface cables ANSI C63.10: 2013 	cation network 50uH coupling in nt. ces are also conn SN that provides with 50ohm terr diagram of the line are checkence. In order to fi e positions of equals must be change	(L.I.S.N.). This appedance for the ected to the main a 500hm/50uH mination. (Please test setup and ed for maximum aipment and all of ged according to	
Test Result:	N/A			



6.3. Conducted Output Power

6.3.1. Test Specification

733				
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)			
Test Method:	KDB 558074 D01 v05r02			
Limit:	30dBm			
Test Setup:	Spectrum Analyzer EUT			
Test Mode:	Refer to item 4.1			
Test Procedure:	Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 × RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak amplitude level.			
Test Result:	PASS			

6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020
Antenna Connector	тст	RFC-01	N/A	Sep. 11, 2020

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.3.3. Test Data

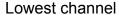
BT LE mode			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	3.76	30.00	PASS
Middle	3.19	30.00	PASS
Highest	2.46	30.00	PASS

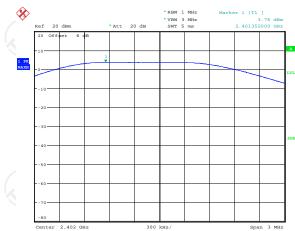
Test plots as follows:

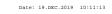




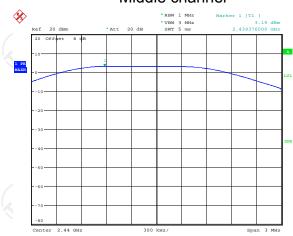
BT LE mode





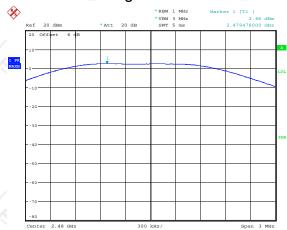


Middle channel



Date: 19.DEC.2019 10:10:31

Highest channel



Date: 19.DEC.2019 10:08:44



6.4. Emission Bandwidth

6.4.1. Test Specification

T	FCC Part15 C Sec	tion 15 247 (a)(2)	I.C
Test Requirement:	FCC Fait 15 C Sec	11011 15.247 (a)(2	2)	
Test Method:	KDB 558074 D01 v	₀ 05r02		
Limit:	>500kHz	(C)		
Test Setup:	Specifican Archives	<u>_</u>	EUT	(C)
Test Mode:	Refer to item 4.1			
Test Procedure:	Video bandwidt	ontinuously. Irement with the width (RBW) = 7 In (VBW) = 300 I asurement. The 500 kHz.	spectrum analy: 100 kHz. Set the kHz. In order to re 6dB bandwidth	zer's make must
Test Result:	PASS	(C)	(3)	

6.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020
Antenna Connector	TCT	RFC-01	N/A	Sep. 11, 2020

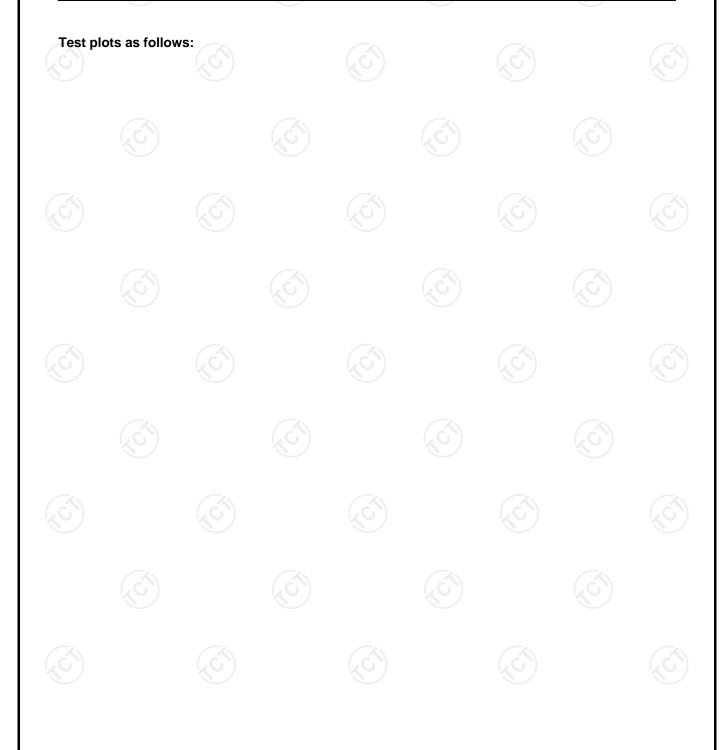
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.4.3. Test data

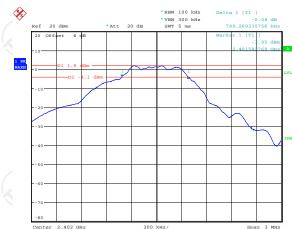
Test channel	6dB Emission Bandwidth (kHz)				
iest channel	BT LE mode	Limit	Result		
Lowest	799.27	>500k	0		
Middle	802.88	>500k	PASS		
Highest	807.69	>500k			





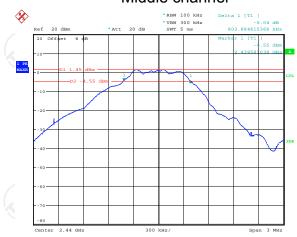
BT LE mode





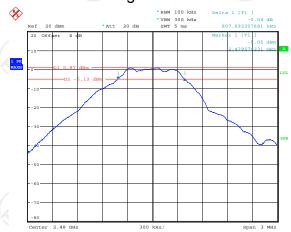
Date: 19.DEC.2019 09:53:49

Middle channel



Date: 19.DEC.2019 10:00:40

Highest channel



Date: 19.DEC.2019 10:06:54



6.5. Power Spectral Density

6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.					
Test Setup:	EUT EUT					
Test Mode:	Refer to item 4.1					
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 					
Test Result:	PASS					

6.6.1. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020	
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020	
Antenna Connector	TCT	RFC-01	N/A	Sep. 11, 2020	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.6.2. Test data

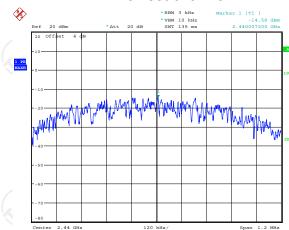
	Power Spectral Density (dBm/3kHz)					
Test channel	BT LE mode	Limit	Result			
Lowest	-14.58	8 dBm/3kHz				
Middle	-14.15	8 dBm/3kHz	PASS			
Highest	-13.19	8 dBm/3kHz				

Test plots as follows:



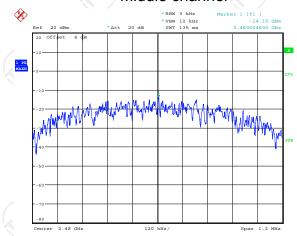


Lowest channel



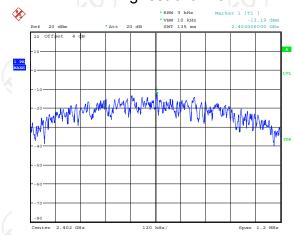
Date: 19.DEC.2019 10:15:51

Middle channel



Date: 19.DEC.2019 10:16:21

Highest channel



Date: 19.DEC.2019 10:13:04



6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).					
Test Setup:	Spectrum Andrews EUT					
Took Mada	Spectrum Analyzer Refer to item 4.1					
Test Mode:						
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 					
Test Result:	PASS					

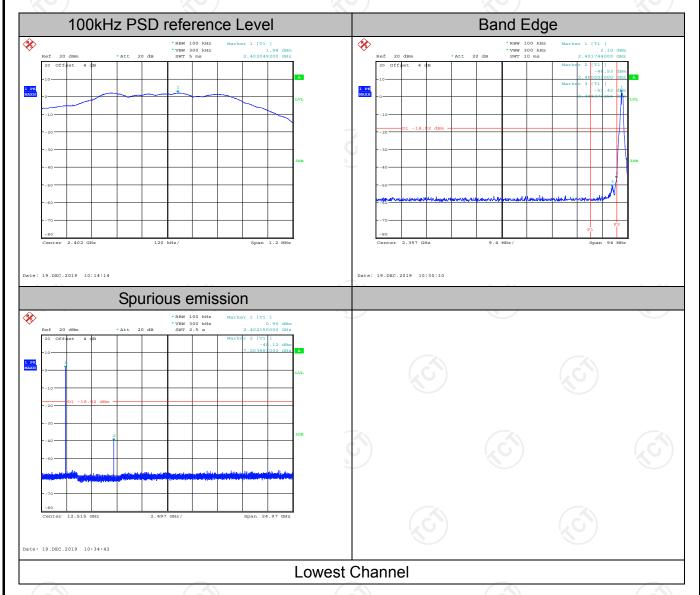


6.7.2. Test Instruments

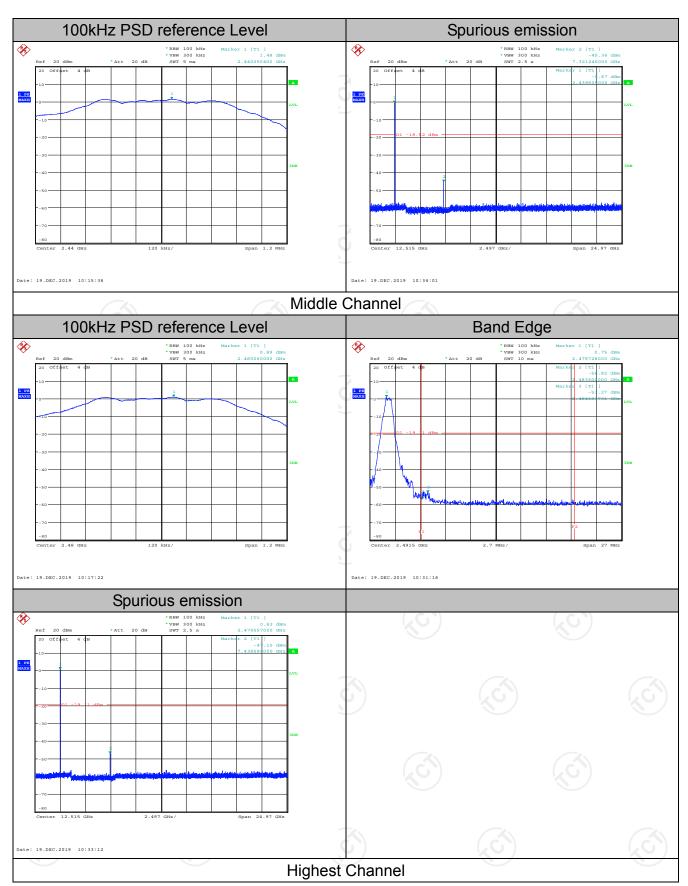
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020
Antenna Connector	TCT	RFC-01	N/A	Sep. 11, 2020

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.7.3. Test Data











6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

		<u> </u>				——————————————————————————————————————			
Test Requirement:	FCC Part15	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10	ANSI C63.10: 2013							
Frequency Range:	9 kHz to 25 (9 kHz to 25 GHz							
Measurement Distance:	3 m								
Antenna Polarization:	Horizontal &	Horizontal & Vertical							
Operation mode:	Refer to item	Refer to item 4.1							
	Frequency	Detector	RBW	VBW	F	Remark			
Receiver Setup:	9kHz- 150kHz 150kHz- 30MHz	Quasi-pea Quasi-pea		1kHz 30kHz		i-peak Value i-peak Value			
	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quas	i-peak Value			
	Above 1GHz	Peak	1MHz	3MHz		eak Value			
	Above IGHZ	Average	1MHz	3MHz	Ave	rage Value			
	Frequen	icy	Field Stre (microvolts		Measurement Distance (meters)				
	0.009-0.490		2400/F(KHz)			300			
	0.490-1.705		24000/F(KHz)		30				
	1.705-30		30		30				
	30-88		100 150		3				
Limit:	88-216 216-960		200		3				
Limit.	Above 9		500		3				
			(C)		ı	(2)			
	Frequency		Field Strength microvolts/meter) Measur Dista (met		ice	Detector			
	Above 1GHz	z	500 5000		(6)	Average Peak			
	For radiated	emission	s below 30)MHz					
	Di	stance = 3m							
	Computer Pre -Amplifier								
Test setup:	0.8m	Turn table	lm		Receiver				
	30MHz to 10		d Plane	(C)		Ć			

significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT,

depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final



TESTING CENTRE TECHNOLOGY	Report No.: TCT201015E9
	 measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak and average measurement.
Test mode:	Refer to section 4.1 for details
Test results:	PASS







6.8.2. Test Instruments

	Radiated Em	ission Test Site	e (966)		
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Test Receiver	ROHDE&SCHW ARZ	ESIB7	100197	Jul. 29, 2020	
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ40	200061	Sep. 11, 2020	
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 08, 2020	
Pre-amplifier	HP	8447D	2727A05017	Sep. 08, 2020	
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 11, 2020	
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 06, 2020	
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 11, 2020	
Horn Antenna	A-INFO	LB-180400-KF	J211020657	Sep. 06, 2020	
Antenna Mast	Keleto	RE-AM	N/A	N/A	
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 08, 2020	
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 08, 2020	
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 08, 2020	
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 08, 2020	
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

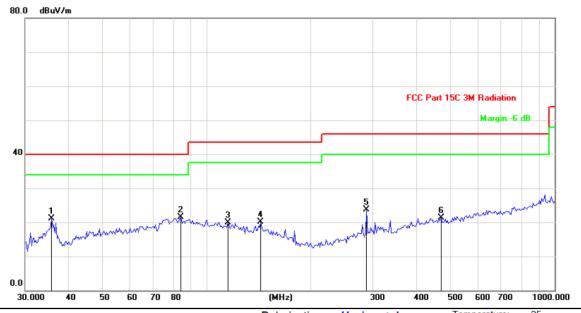


6.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



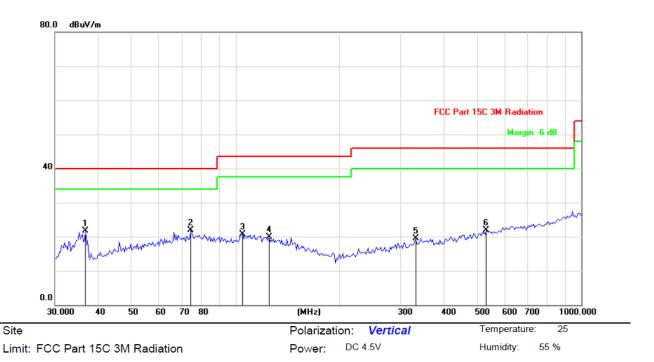
Site Polarization: Horizontal Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: DC 4.5V Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		35.7616	32.11	-11.03	21.08	40.00	-18.92	peak
2	*	84.2839	35.47	-14.01	21.46	40.00	-18.54	peak
3		114.8224	29.98	-10.16	19.82	43.50	-23.68	peak
4		142.7692	36.16	-16.13	20.03	43.50	-23.47	peak
5		288.2839	35.06	-11.31	23.75	46.00	-22.25	peak
6		471.4664	29.31	-7.92	21.39	46.00	-24.61	peak





Vertical:



No. Mk.		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		36.7811	32.74	-11.04	21.70	40.00	-18.30	peak
2	*	74.2694	37.98	-16.09	21.89	40.00	-18.11	peak
3		104.7977	29.06	-8.42	20.64	43.50	-22.86	peak
4		124.9248	33.37	-13.45	19.92	43.50	-23.58	peak
5	,	331.7857	29.71	-10.13	19.58	46.00	-26.42	peak
6	·	531.2910	29.14	-7.15	21.99	46.00	-24.01	peak

Note: 1.The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

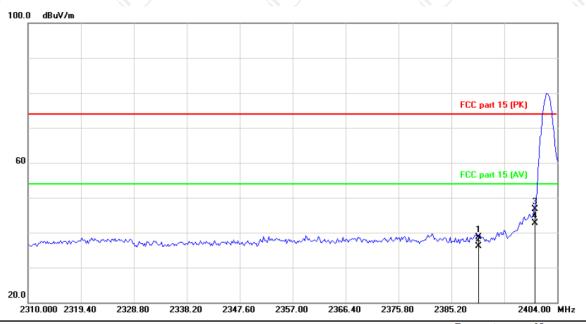
- 2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Lowest channel) was submitted only.
- Freq. = Emission frequency in MHz
 Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB)
 Correction Factor= Antenna Factor + Cable loss Pre-amplifier
 Limit (dBμV/m) = Limit stated in standard
 Margin (dB) = Measurement (dBμV/m) Limits (dBμV/m)
 Any value more than 10dB below limit have not been specifically reported.



Test Result of Radiated Spurious at Band edges

Lowest channel 2402:

Horizontal:



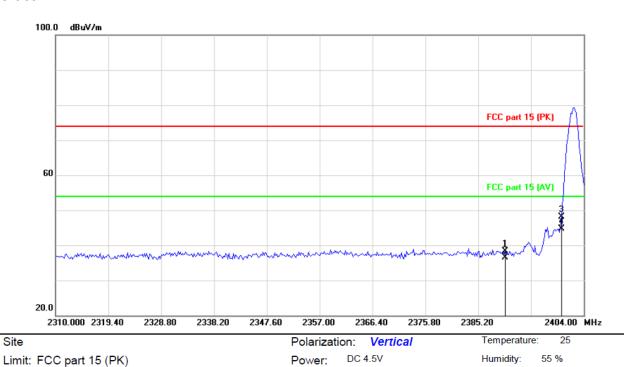
Site Polarization: Horizontal Temperature: 25
Limit: FCC part 15 (PK) Power: DC 4.5V Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	2	2390.000	51.92	-13.15	38.77	74.00	-35.23	peak
2	1	2390.000	49.17	-13.15	36.02	54.00	-17.98	AVG
3	2	2400.000	59.92	-13.12	46.80	74.00	-27.20	peak
4	*	2400.000	55.92	-13.12	42.80	54.00	-11.20	AVG





Vertical:



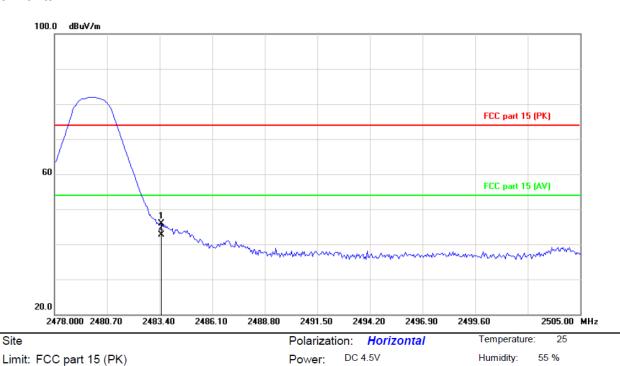
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	2	390.000	51.54	-13.15	38.39	74.00	-35.61	peak
2	2	390.000	49.60	-13.15	36.45	54.00	-17.55	AVG
3	2	400.000	61.31	-13.12	48.19	74.00	-25.81	peak
4	* 2	400.000	57.82	-13.12	44.70	54.00	-9.30	AVG



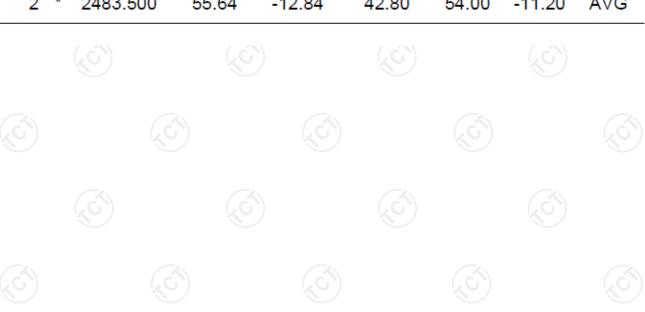


Highest channel 2480:

Horizontal:

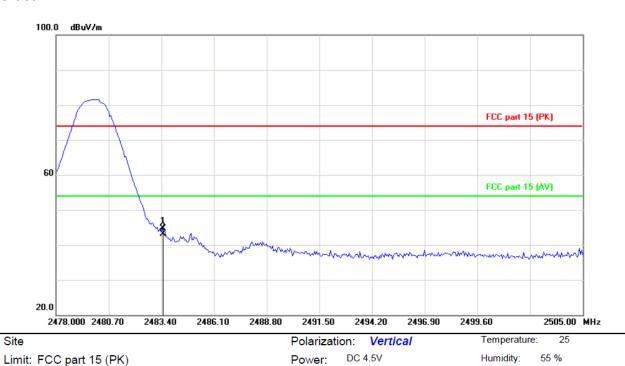


No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	24	483.500	58.69	-12.84	45.85	74.00	-28.15	peak
2	* 24	483.500	55.64	-12.84	42.80	54.00	-11.20	AVG





Vertical:



No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	2	2483.500	57.53	-12.84	44.69	74.00	-29.31	peak
2	* 2	2483.500	55.94	-12.84	43.10	54.00	-10.90	AVG





Above 1GHz

Low channel: 2402 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Η	47.69	-	0.66	48.35	-	74	54	-5.65
7206	Η	38.83	-	9.50	48.33		74	54	-5.67
	Н								
4804	V	44.72	4.6	0.66	45.38		74	54	-8.62
7206	V	38.30		9.50	47.80	<u></u>	74	54	-6.20
	V		-		-	-	-		

Middle cha	nnel: 2440) MHz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4880	Н	43.27		0.99	44.26		74	54	-9.74
7320	H	38.51		9.87	48.38	Z	74	54	-5.62
	(CH)		- 1 _X O	*)		<u>C+</u> -		(, C)	
4880	V	44.94		0.99	45.93		74	54	-8.07
7320	V	39.05		9.87	48.92		74	54	-5.08
	V			((_^

High chann	High channel: 2480 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	actor Peak AV		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
4960	H	47.39	-740	1.33	48.72	7 J	74	54	-5.28	
7440	H	39.60		10.22	49.82		74	54	-4.18	
	Н									
4960	V	47.93		1.33	49.26		74	54	-4.74	
7440	V	37.68		10.22	47.90		74	54	-6.10	
	V									

Note:

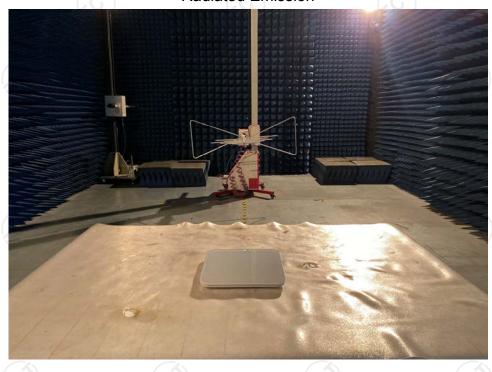
- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.





Appendix A: Photographs of Test Setup

Product: Electronic scale Model: CW286BLE Radiated Emission

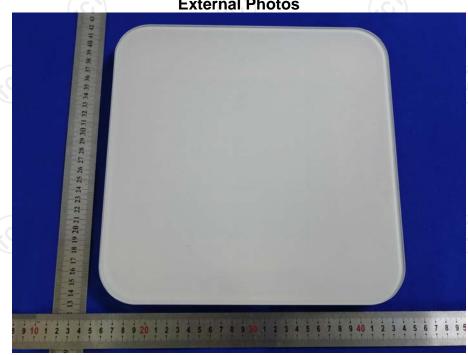


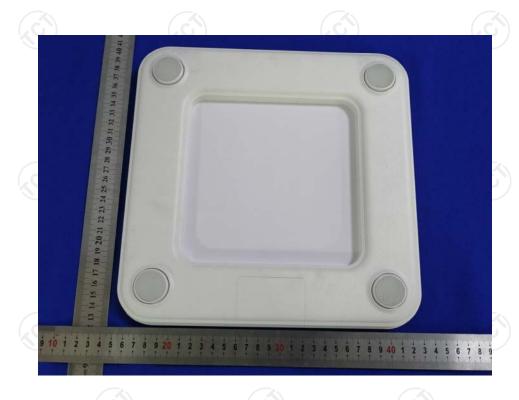




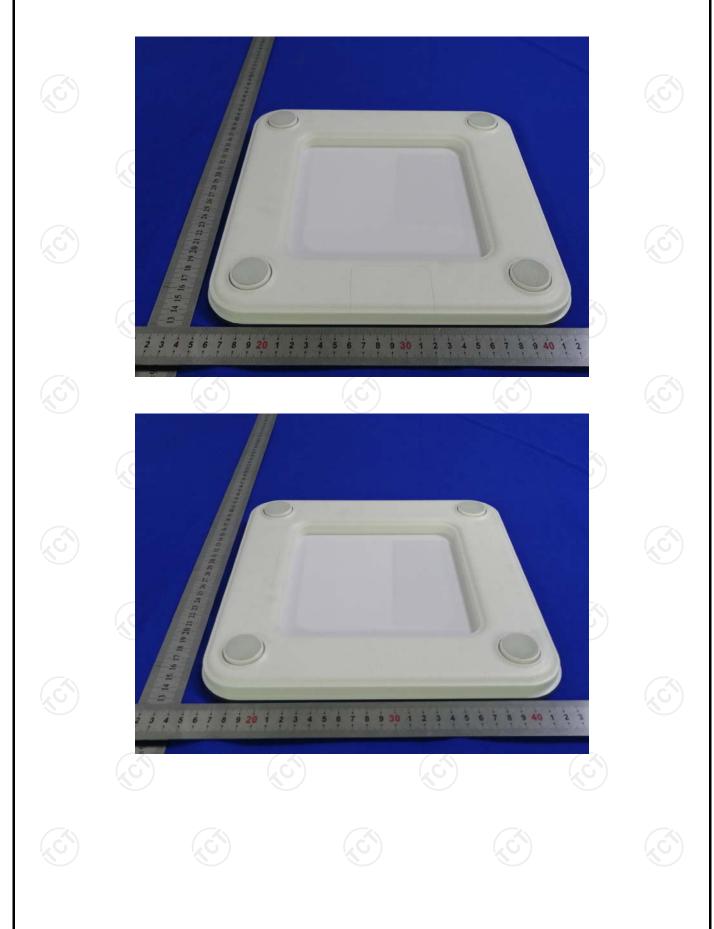
Appendix B: Photographs of EUT

Product: Electronic scale Model: CW286BLE External Photos

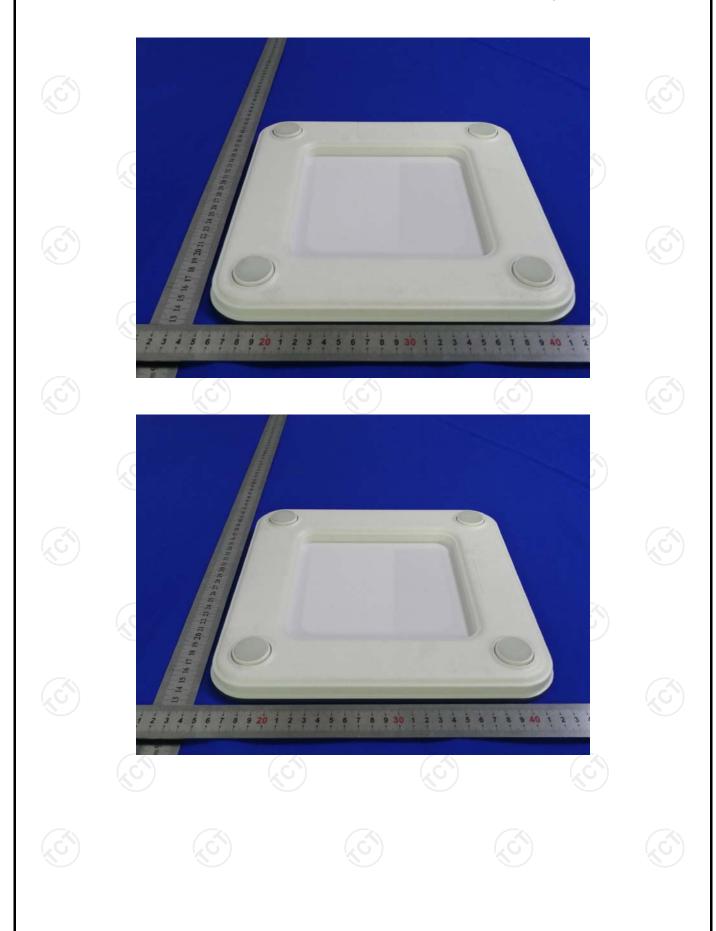






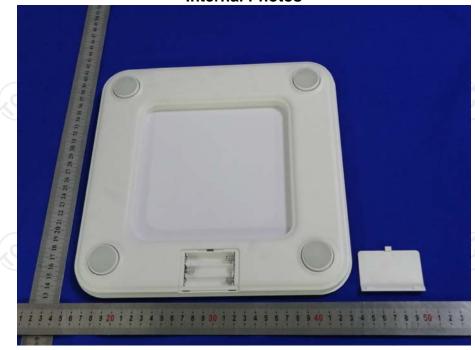


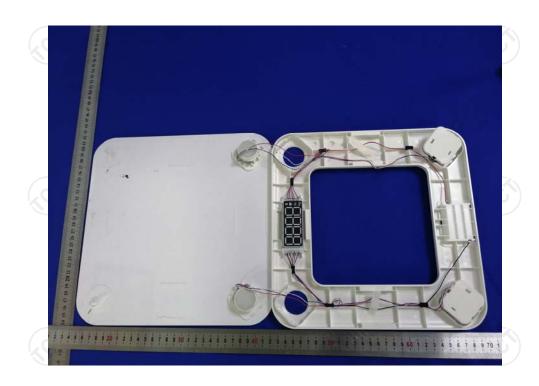






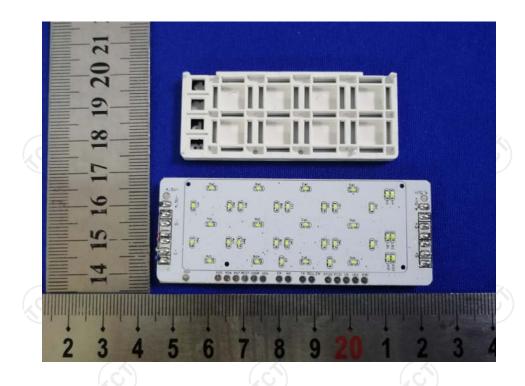
Product: Electronic scale Model: CW286BLE Internal Photos

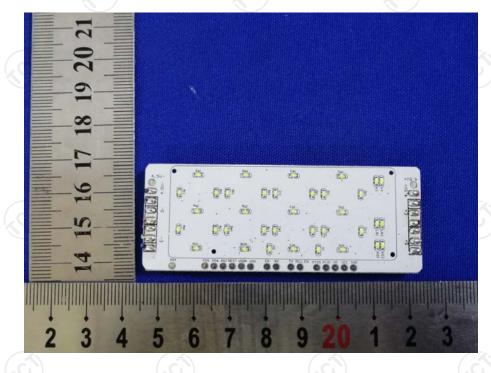






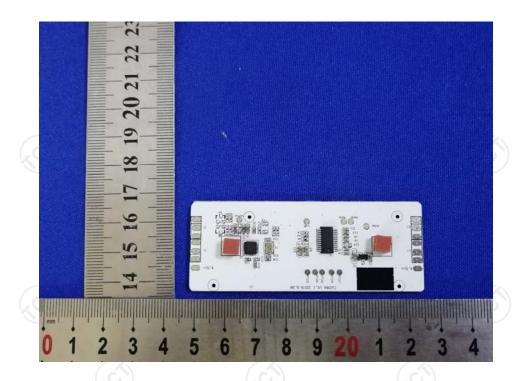


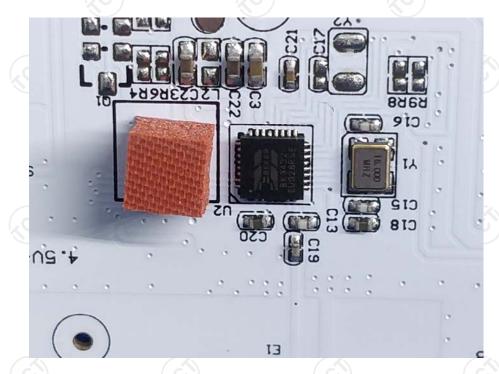












*****END OF REPORT****