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# TCT通测检测 1. Test Certification

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 Comm 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:	De	Date:	Dec. 24, 2019	
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	Reviewed By:	Buntlethero	Date:	Oct. 20, 2020	
		H Ber () Zhac		Ì	
	Approved By:	Tomeson	Date:	Oct. 20, 2020	
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Hotlin	e: 400-6611-140	Tel: 86-755-27673339	Fax: 86-755-276733		3 of 39 b.com



# 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.

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# 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, CW289BLE, CW290BLE, CW291BLE, CW292BLE, CW293BLE, CW295BLE, CW296BLE, CW297BLE, CW298BLE, CW299BLE, CW300BLE, CW311BLE, CW312BLE, CW313BLE, CW315BLE, CW316BLE, CW317BLE, CW318BLE, CW319BLE
Trade Mark:	N/A
Bluetooth Version:	V4.2
<b>Operation Frequency:</b>	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**

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:	Channel 0, 1	9 & 39 ha	ave been tes	sted.			

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# 4. General Information

## 4.1. Test environment and mode

Operating Environ	nment:					
Condition		Conducted Emiss	ion	Radiated Er	mission	
Temperature:		25.0 °C		25.0 °C		
Humidity:		55 % RH	S)	55 % RH	S)	
Atmospheric Pressure:		1010 mbar		1010 mbar		
Test software: E	3K3256 RF	Test_V1.3	Power leve	l: 3 C		No.
<u>.</u>						

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	Ι	

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.

# 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
1	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%
1	Trainiary	11.078



# 6. Test Results and Measurement Data

### 6.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

#### 15.203 requirement:

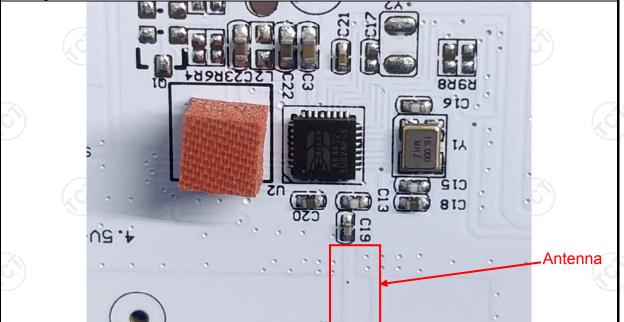
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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	N. C.	
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013		
Frequency Range:	150 kHz to 30 MHz			
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto	
	Frequency range	Limit (c	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:	E.U.T       Adap         Test table/Insulation pla         Remarkc         E.U.T: Equipment Under Test         LISN: Line Impedence Stabilization         Test table height=0.8m	ne	ter — AC power	
Test Mode:	Charging + Transmittir	ng Mode		
Test Procedure:	<ol> <li>The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol>			
	7	2		

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# 6.3. Conducted Output Power

#### 6.3.1. Test Specification

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:	<ul> <li>Set spectrum analyzer as following: <ul> <li>a) Set the RBW ≥ DTS bandwidth.</li> <li>b) Set VBW ≥ 3 × RBW.</li> <li>c) Set span ≥ 3 × RBW</li> <li>d) Sweep time = auto couple.</li> <li>e) Detector = peak.</li> <li>f) Trace mode = max hold.</li> <li>g) Allow trace to fully stabilize.</li> <li>h) Use peak marker function to determine the peak amplitude level.</li> </ul> </li> </ul>
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).

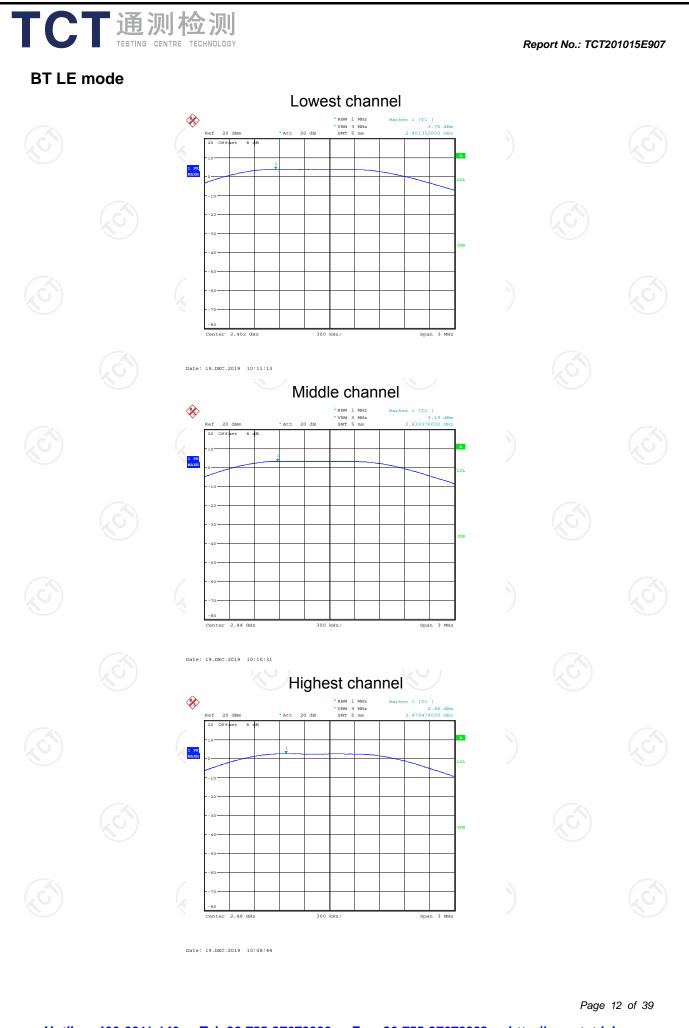
## 6.3.3. Test Data

TCT通测检测 TESTING CENTRE TECHNOLOGY

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:

C C	ots as follow	ws.						
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<u>Hotlin</u>	e: 400-6611	-140 Tel: 8	86-755-2767	3339 Fax:	<u>86-755-2767</u>	<mark>73332 http</mark>	rage ://www.tct-la	



# 6.4. Emission Bandwidth

#### 6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	>500kHz		S)			
Test Setup:	Spectrum Analyzer	EUT	ACC.			
Test Mode:	Refer to item 4.1					
Test Procedure:	Video bandwidth (\	nuously. nent with the spectrum th (RBW) = 100 kHz. S /BW) = 300 kHz. In ord rement. The 6dB band ) kHz.	analyzer's Set the der to make dwidth must			
Test Result:	PASS		3			

### 6.4.2. Test Instruments

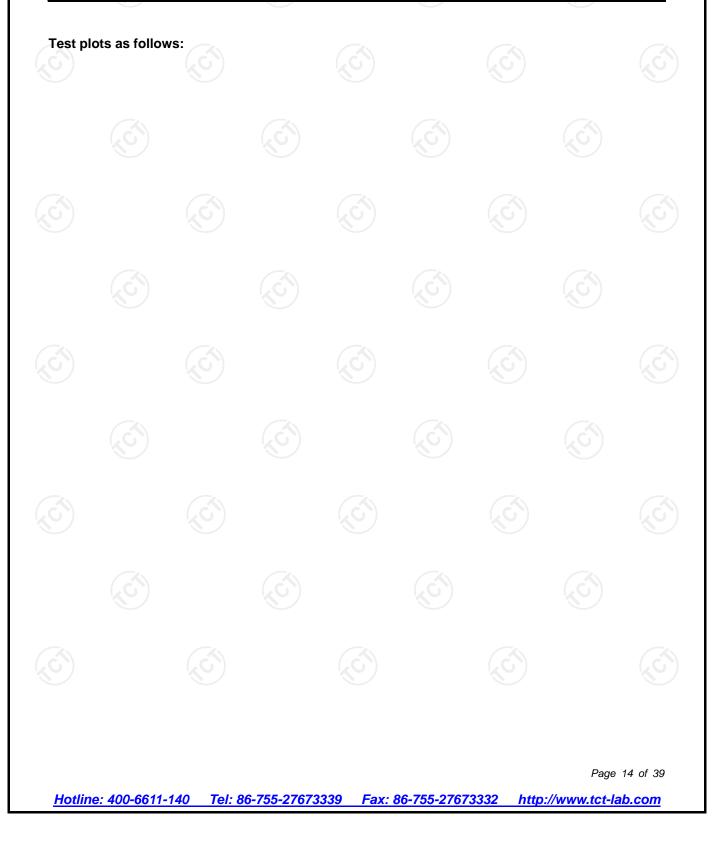
0	Equipment Manufacturer		Model	Serial Number	Calibration Due
	Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020
	RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020
	Antenna Connector	тст	RFC-01	N/A	Sep. 11, 2020

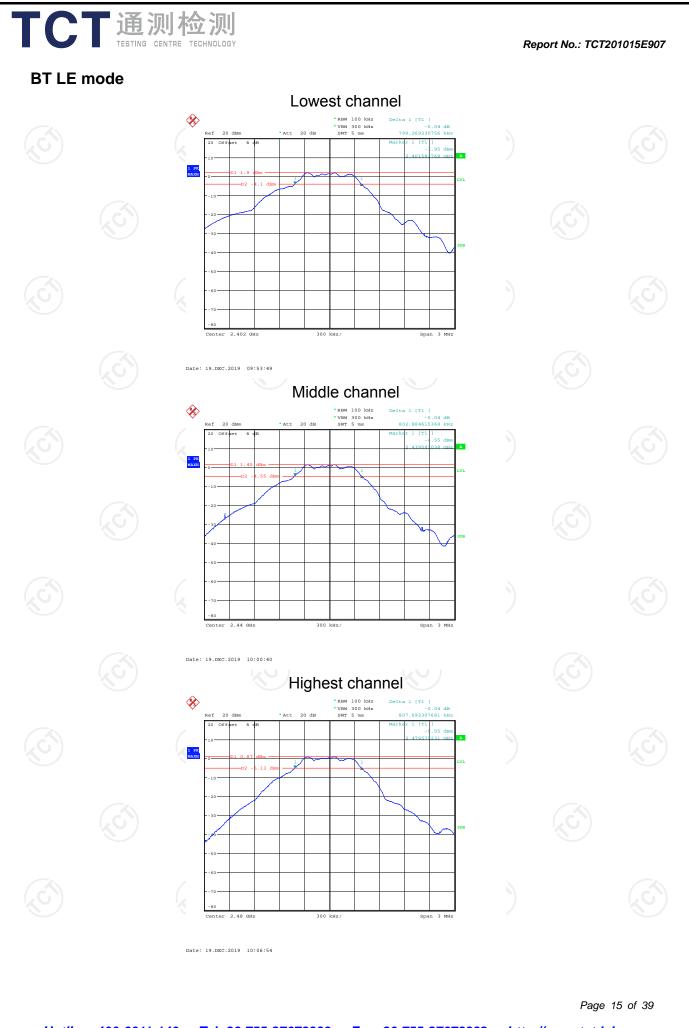
**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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### 6.4.3. Test data

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







# 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:	
	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	<ol> <li>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.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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)</li> <li>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.</li> <li>Measure and record the results in the test report.</li> </ol>
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	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).

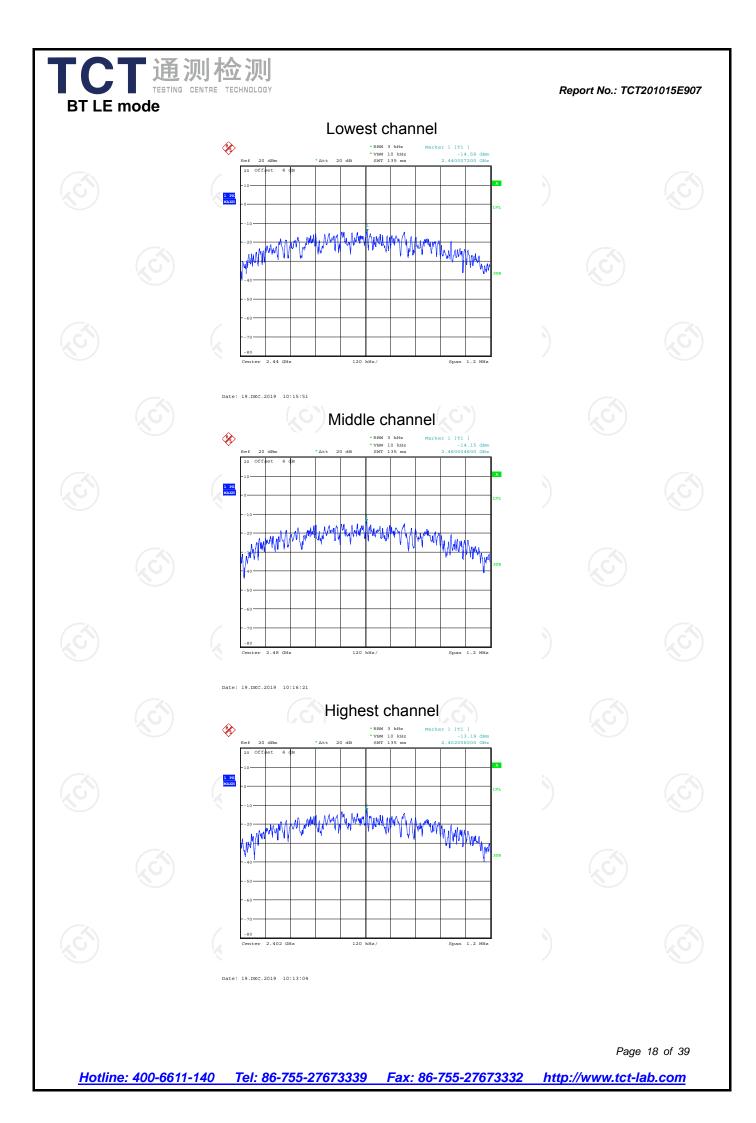
### 6.6.2. Test data

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aat ahannal	Power Spectral Density (dBm/3kHz)				
est channel	BT LE mode	Limit	Result		
Lowest	-14.58	8 dBm/3kHz	6		
Middle	-14.15	8 dBm/3kHz	PASS		
Highest	-13.19	8 dBm/3kHz	$\left( \mathcal{C}^{\prime}\right)$		
	Middle	Est channelBT LE modeLowest-14.58Middle-14.15	Eest channelBT LE modeLimitLowest-14.588 dBm/3kHzMiddle-14.158 dBm/3kHz		

Test plots as follows:

Test pl	ots as follow	vs:						
<u>Hotlir</u>	ne: 400-6611	-140 Tel: {	36-755-27673	3339 Fax:	<u>86-755-2767</u>	' <u>3332 http</u>	Page ://www.tct-la	17 of 39 <b>ab.com</b>



# 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 Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	<ol> <li>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.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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</li> </ol>
	<ul> <li>a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).</li> <li>4. Measure and record the results in the test report.</li> <li>5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ul>

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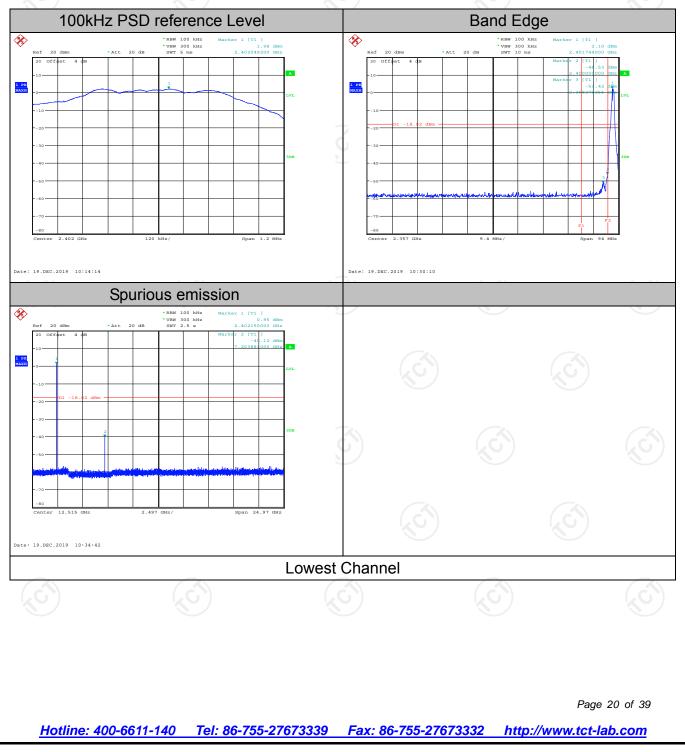


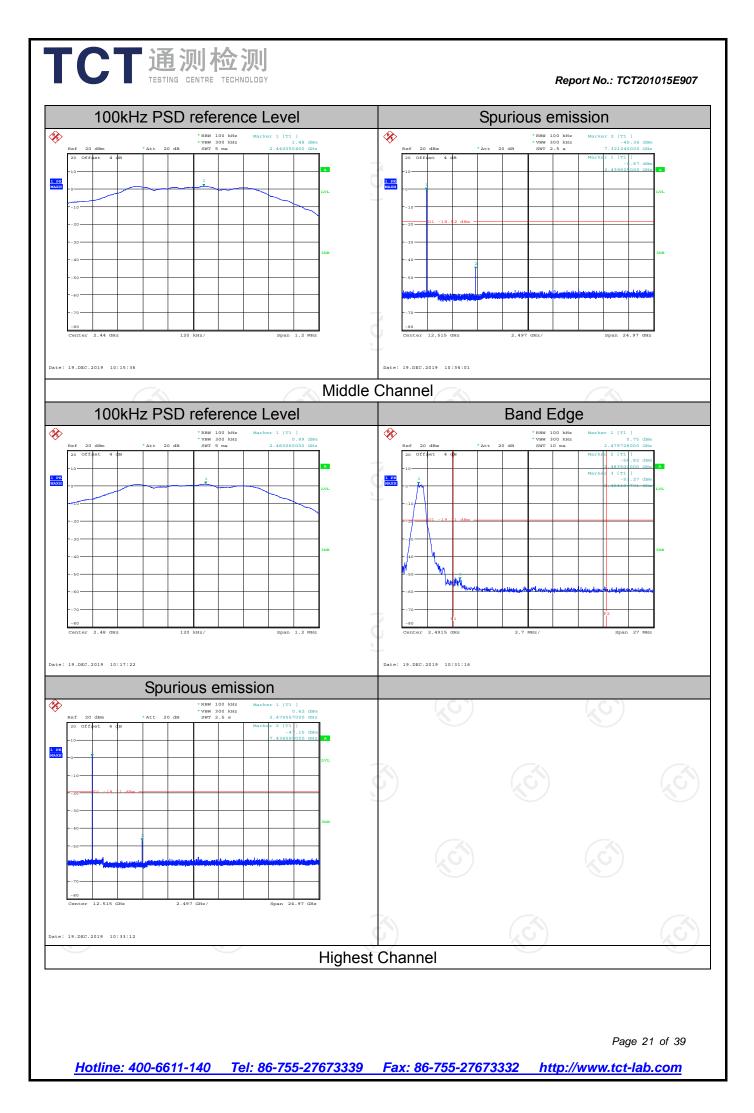
#### 6.7.2. Test Instruments

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	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).

#### 6.7.3. Test Data



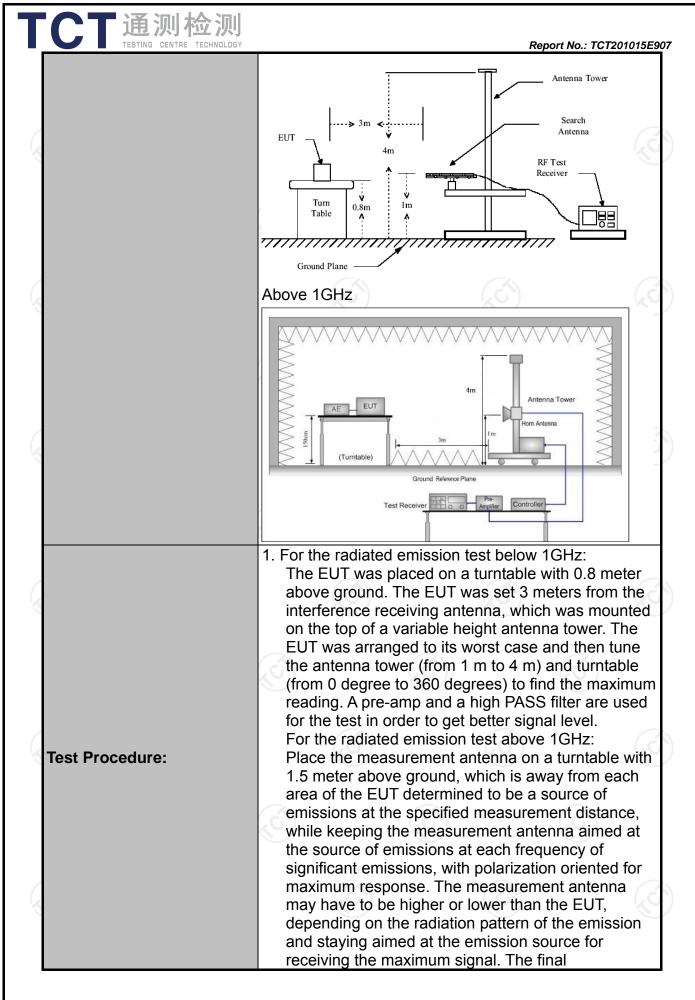


# 6.8. Radiated Spurious Emission Measurement

### 6.8.1. Test Specification

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Test Requirement:	FCC Part15	C Section	15.209	9		8
Test Method:	ANSI C63.10	): 2013				
Frequency Range:	9 kHz to 25 (	GHz				
Measurement Distance:	3 m	X	9		S S	
Antenna Polarization:	Horizontal &	Vertical				
Operation mode:	Refer to item	1 4.1	(	<u>(</u> )		
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-peak Quasi-peak		VBW 1kHz 30kHz	Remark Quasi-peak Quasi-peak	√alue
Receiver Setup:	30MHz 30MHz-1GHz Above 1GHz	Quasi-peak Peak Average	<ul> <li>120KHz</li> <li>1MHz</li> <li>1MHz</li> </ul>	300KHz 3MHz 3MHz	Quasi-peak V Peak Valu Average Va	Je
	Frequer 0.009-0.4	icy	Field Stre (microvolts 2400/F(I	ength /meter)	Measureme Distance (me 300	ent
	0.490-1.7	705	24000/F(	,	30	
	1.705-3		30		30	
	30-88		<u>100</u> 150		3	
Limit:	216-96		200		3	
	Above 9		500		3	
	Frequency Above 1GHz	(micro	eld Strength rovolts/meter) Measu Dista (met 500 3 5000 3		ce Dete	age
Test setup:	For radiated	Turn table		Pre -A	Computer	



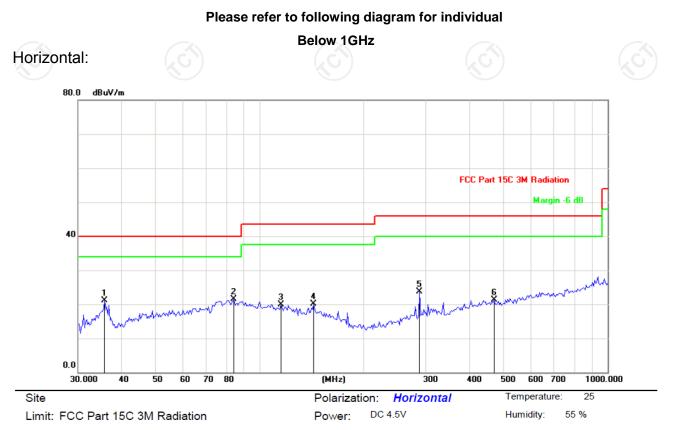
TCT		max ante rest abo 2. Corre Rea 3. For r of th lowe leve mea dete 4. Use (1) \$ (2) \$ (2) \$ (3) \$	kimizes the enna eleval ricted to a ve the grou ected Read ad Level - F measurement er than the el will be re asurement ector and re the followin Span shall ve mission be Set RBW=1 Sweep = au nax hold; Set RBW = beak and a	emissions tion for ma range of he und or refe ding: Anten Preamp Fac ent below 1 asured by applicable ported. Oth will be reported. ng spectrum wide enoug eing measu 20 kHz for uto; Detect 1 MHz, VE	evation shi a. The mean ximum emi- eights of from rence ground the factor ctor = Leven GHz, If the the peak de limit, the pro- nerwise, the eated using m analyzer gh to fully of ured; f < 1 GHz or function 3W = 3MHz asurement	issions sha om 1 m to 4 nd plane. + Cable Lo el e emission etector is 3 beak emiss e emission g the quasi settings: capture the ; VBW $\geq R$ = peak; Tra-	which III be 4 m ss + level 3 dB ion -peak BW; ace =
Test mode Test result		PASS	o section 4	.1 for detai	ls		
R.		(C)				Ś	
<u>Hotline: 400</u>	-6611-140 Tel: 8	6-755-27673	3339 Fax:	<u>86-755-2767</u>	7 <u>3332 http</u>	Page ://www.tct-la	24 of 39 ab.com

## 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)	TCT	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



No.	. Mk. Free		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	4	471.4664	29.31	-7.92	21.39	46.00	-24.61	peak

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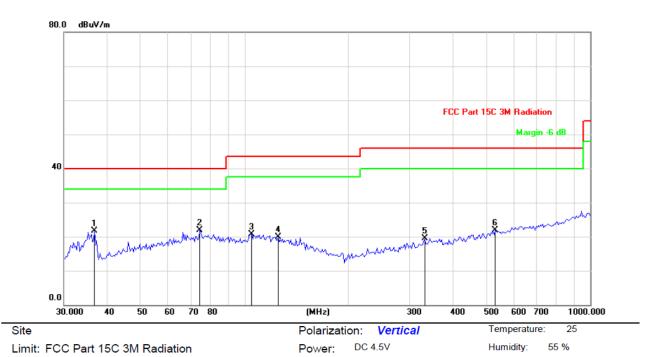


Report No.: TCT201015E907





#### 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

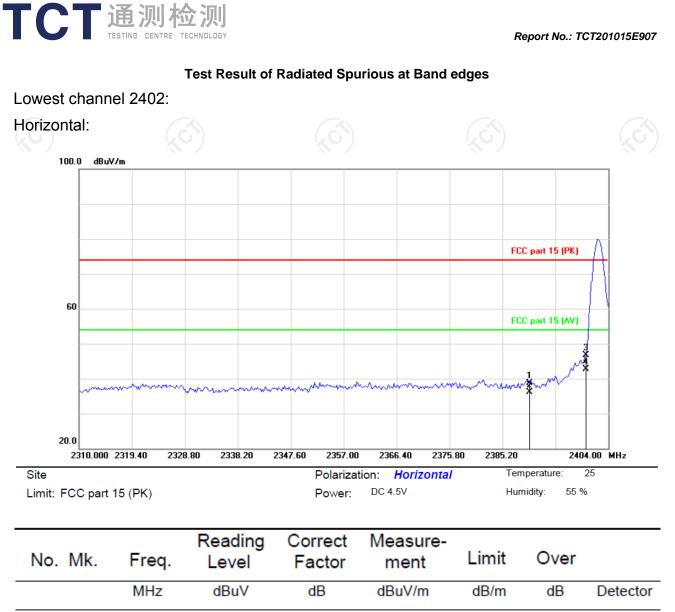
Margin (dB) = Measurement (dB $\mu$ V/m) – Limits (dB $\mu$ V/m)

Any value more than 10dB below limit have not been specifically reported.

\* is meaning the worst frequency has been tested in the test frequency range.

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	MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	2390.000	51.92	-13.15	38.77	74.00	-35.23	peak
2	2390.000	49.17	-13.15	36.02	54.00	-17.98	AVG
3	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

(C)

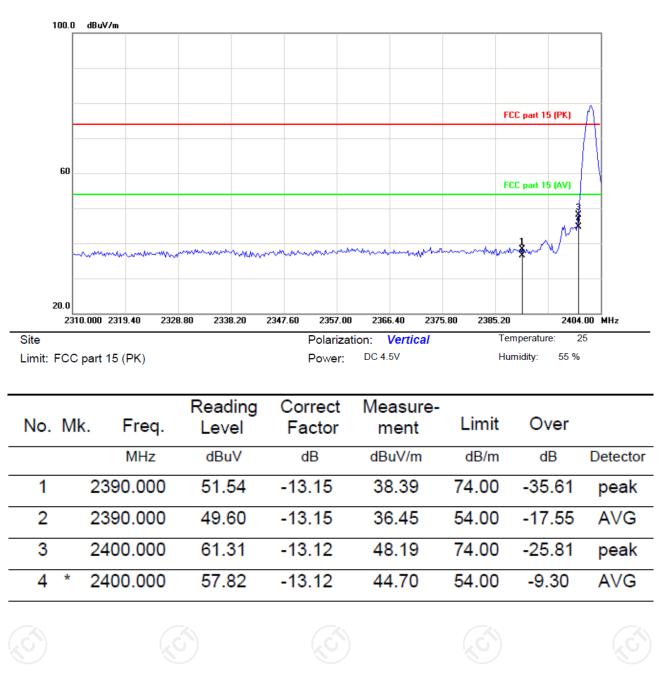






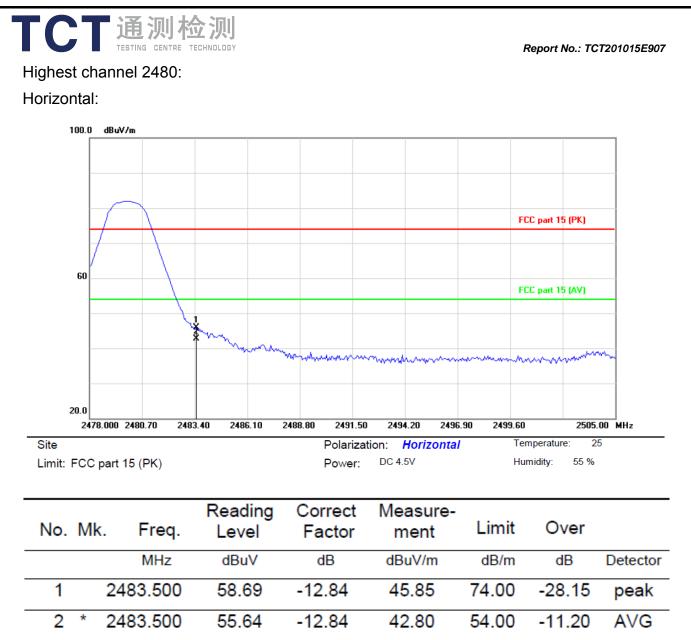
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### Vertical:



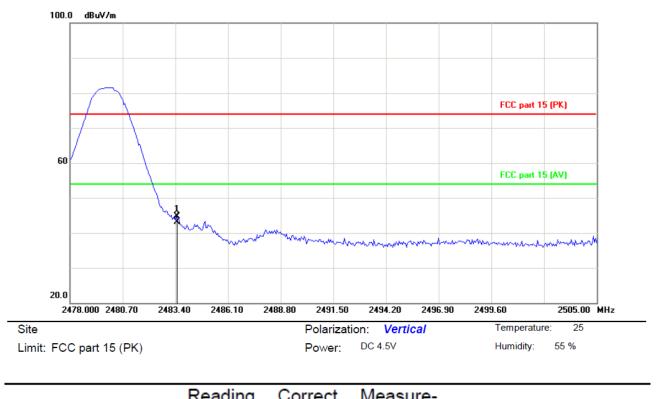
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#### Vertical:



	No. I	۷k.	Freq.			ment	Limit	Over	
-			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
-	1	24	483.500	57.53	-12.84	44.69	74.00	-29.31	peak
-	2 '	* 24	483.500	55.94	-12.84	43.10	54.00	-10.90	AVG

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Above 1GHz

Low channel: 2402 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)			Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	47.69		0.66	48.35		74	54	-5.65
7206	Н	38.83		9.50	48.33		74	54	-5.67
	Н								
	<u>_</u>			×.				<u> </u>	
4804	V	44.72	-66	0.66	45.38		74	54	-8.62
7206	V	38.30		9.50	47.80	<u> </u>	74	54	-6.20
	V								

#### Middle channel: 2440 MHz

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Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak		·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	×	74	54	-5.62
(	k CH)		-420	·)		<u>,G-</u>		()	
				/					
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 channel: 2480 MHz

Frequency	Ant Pol	Peak		Correction	Emissio	on Level	Peak limit	Δ\/ limit	Margin	
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)		(dBµV/m)	(dB)	
4960	E E	47.39	N N	1.33	48.72	0 <del>/</del>	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.

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