TEST REPORT

FCC ID: 2AVIZ-H001 Product: ANC Headset Model No.: H001 Additional Model No.: T.S. Pioneer I, H1 Trade Mark: N/A Report No.: TCT200522E011 Issued Date: Jun. 04, 2020

Issued for:

Trulyway Electronic Development Co., Ltd 4th Floor, A Building, No. 268 of Baoshi East Road, Baoan District, Shenzhen, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China TEL: +86-755-27673339

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「CT通测检测 TESTING CENTRE TECHNOLOGY 1. Test Certification

Report No.: TCT200522E011

Product: ANC Headset Model No.: H001 Additional T.S. Pioneer I, H1 Model No.: Trade Mark: N/A Applicant: Trulyway Electronic Development Co., Ltd 4th Floor, A Building, No. 268 of Baoshi East Road, Baoan District, Address: Shenzhen, Guangdong, China Manufacturer: Trulyway Electronic Development Co., Ltd 4th Floor, A Building, No. 268 of Baoshi East Road, Baoan District, Address: Shenzhen, Guangdong, China Date of Test: May 23, 2020 – Jun. 03, 2020

Applicable	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Standards:	FCC KDB 558074 D01 15.247 Meas Guidance v05r02
otarida do.	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:	Kein Huong	Date:	Jun. 03, 2020
Reviewed By:	Kevin Huang Bery There	Date:	Jun. 04, 2020
Approved By:	Beryl Zhao TomSin Tomsin	Date:	Jun. 04, 2020
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2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
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.
- 5. After pre-testing the two earphones, the two earphones are left and right ears respectively; we found that the left earphone is the worst case, so the results are recorded in this report.



3. EUT Description

Product:	ANC Headset
Model No.:	H001
Additional Model No.:	T.S. Pioneer I, H1
Trade Mark:	N/A
Bluetooth Version:	V5.0 (This report is for BLE)
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	2dBi
Power Supply:	Rechargeable Li-ion Battery DC 3.7V
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
(<u>(</u>)	(<u>(</u>)		$\langle \mathcal{O} \rangle$		(xG`)
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
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 Mode:

Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged 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		S) /	

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

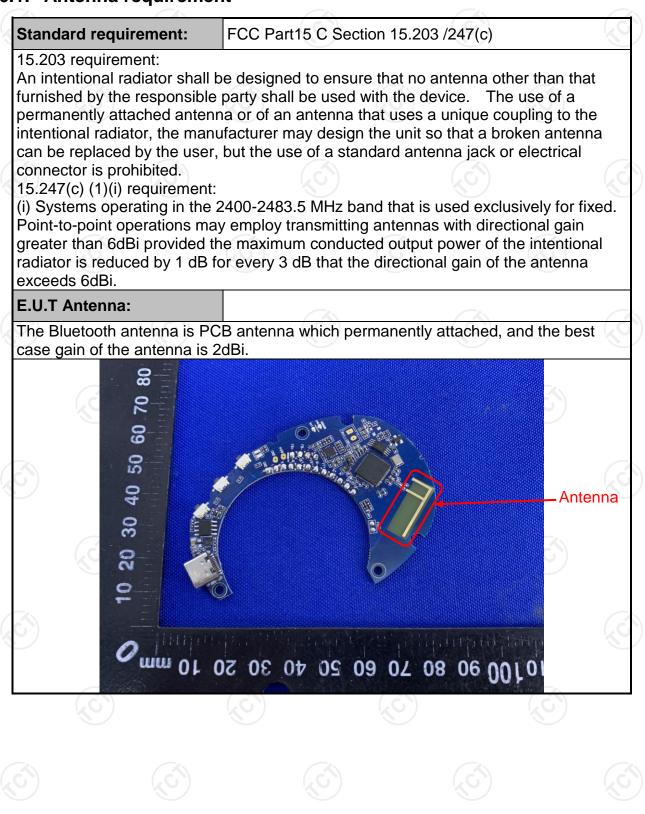
The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Item	MU
Conducted Emission	±2.56dB
RF power, conducted	±0.12dB
Spurious emissions, conducted	±0.11dB
All emissions, radiated(<1G)	±3.92dB
All emissions, radiated(>1G)	±4.28dB
Temperature	±0.1°C
Humidity	±1.0%
	Conducted Emission RF power, conducted Spurious emissions, conducted All emissions, radiated(<1G)



6. Test Results and Measurement Data

6.1. Antenna requirement





6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207	k.			
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013				
Frequency Range:		150 kHz to 30 MHz RBW=9 kHz, VBW=30 kHz, Sweep time=auto				
Receiver setup:						
	Frequency range	Frequency range Limit (dBuV)				
	(MHz)	Quasi-peak	Áverage			
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:	etup: E.U.T Adapter Filter AC p EMI Receiver E.U.T Adapter E.U.T Equipment Under Test LISN' Line Impedence Stabilization Network Test table / Batter					
Test Mode:	Charging + Transmitting Mode					
Test Procedure:	 The E.U.T is connelimpedance stabilizing provides a 500hm/s measuring equipme The peripheral device power through a Licoupling impedance refer to the block photographs). Both sides of A.C. conducted interferent 	zation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm term diagram of the line are checke	(L.I.S.N.). This pedance for the a 50ohm/50uh nination. (Please test setup and d for maximum			
	emission, the relativ the interface cables	s must be chang	ed according to			
Test Result:		s must be chang	ed according to			

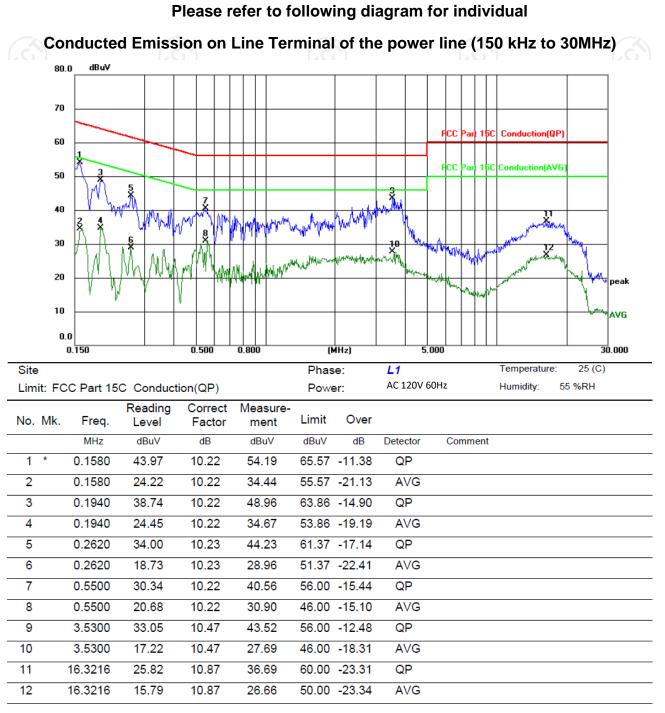
6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)							
Equipment		Manufacturer	Model	Serial Number	Calibration Due		
Test Receive	ər	R&S	ESPI	101402	Jul. 29, 2020		
LISN		Schwarzbeck	NSLK 8126	8126453	Sep. 11, 2020		
Coax cable (9KHz-30MH		тст	CE-05	N/A	Sep. 08, 2020		
EMI Test Softw	are	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).

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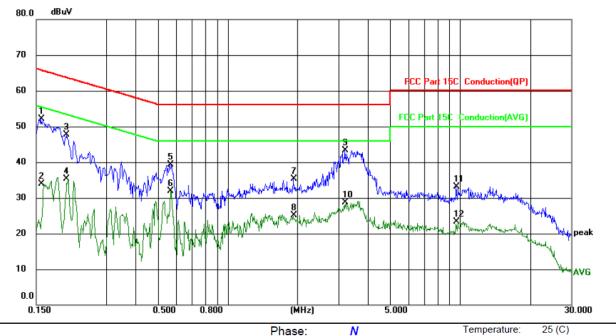
6.2.3. Test data



Note:

Freq. = Emission frequency in MHz Reading level (dBμV) = Receiver reading Corr. Factor (dB) = LISN factor + Cable loss Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB) Limit (dBμV) = Limit stated in standard Margin (dB) = Measurement (dBμV) – Limits (dBμV) Q.P. =Quasi-Peak AVG =average * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz. Page 11 of 36

55 %RH



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)

 Site
 Phase:
 N
 Temperat

 Limit: FCC Part 15C Conduction(QP)
 Power:
 AC 120V 60Hz
 Humidity:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		0.1580	41.94	10.22	52.16	65.57	-13.41	QP		
2		0.1580	23.70	10.22	33.92	55.57	-21.65	AVG		
3		0.2028	37.57	10.23	47.80	63.50	-15.70	QP		
4		0.2028	25.08	10.23	35.31	53.50	-18.19	AVG		
5		0.5655	29.10	10.23	39.33	56.00	-16.67	QP		
6		0.5655	21.72	10.23	31.95	46.00	-14.05	AVG		
7		1.9254	24.87	10.44	35.31	56.00	-20.69	QP		
8		1.9254	14.67	10.44	25.11	46.00	-20.89	AVG		
9	*	3.2019	32.81	10.47	43.28	56.00	-12.72	QP		
10		3.2019	18.20	10.47	28.67	46.00	-17.33	AVG		
11		9.6219	22.47	10.56	33.03	60.00	-26.97	QP		
12		9.6219	12.75	10.56	23.31	50.00	-26.69	AVG		

Note1:

Freq. = Emission frequency in MHz Reading level ($dB\mu V$) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement $(dB\mu V) = Reading \ level \ (dB\mu V) + Corr. \ Factor \ (dB)$

Limit $(dB\mu V) = Limit$ stated in standard

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak

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AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



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:	 Set spectrum analyzer as following: a) Set the RBW ≥ DTS bandwidth. b) Set VBW ≥ 3 x 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).

Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	1.10	30.00	PASS
Middle	3.32	30.00	PASS
Highest	5.15	30.00	PASS

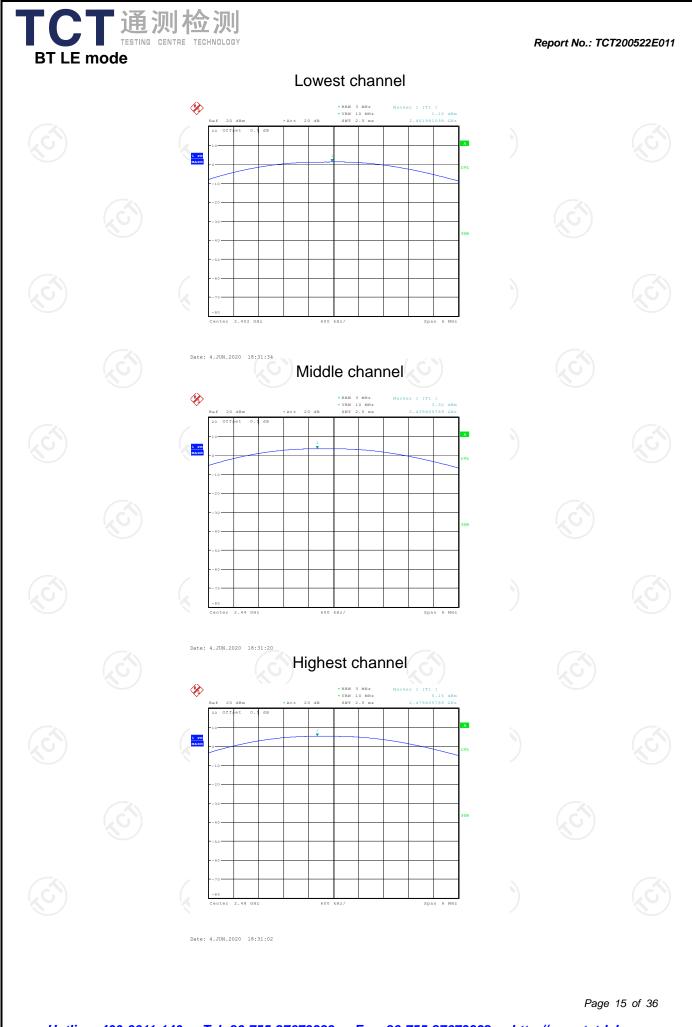
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6.3.3. Test Data

BT LE mode

Test plots as follows:



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					
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Refer to item 4.1					
Test Procedure:	 Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. 					
Test Result:	PASS					

6.4.2. Test Instruments

C .								
RF Test Room								
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				

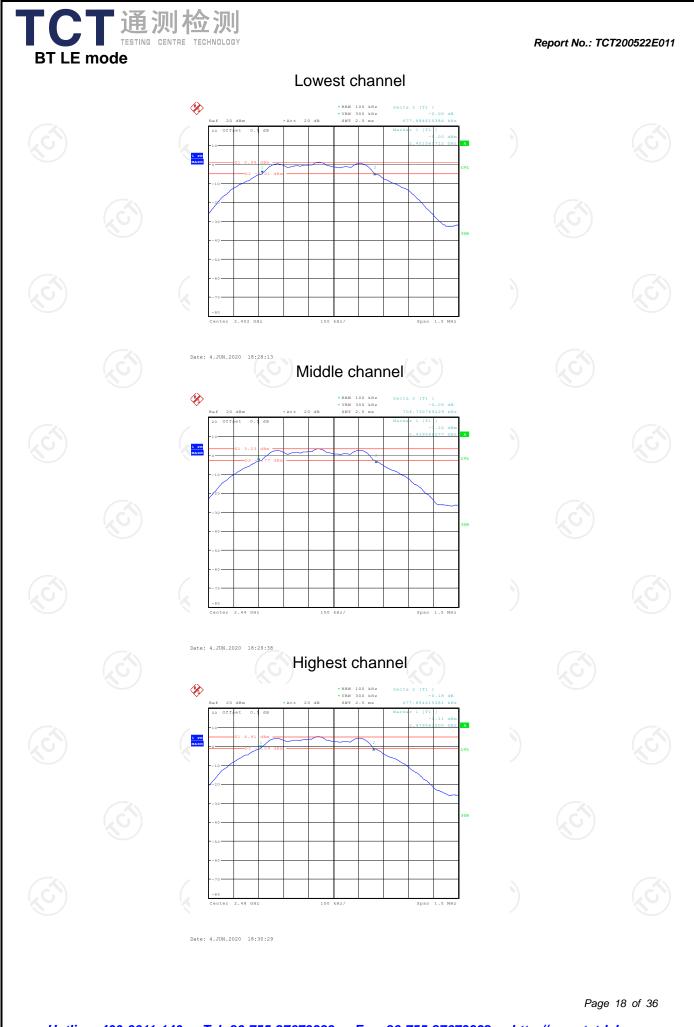
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.4.3. Test data

	Test channel	6dB Emission Bandwidth (kHz)					
	Test channel	BT LE mode	Limit	Result			
6	Lowest	677.88	>500k	R			
	Middle	706.73	>500k	PASS			
	Highest	677.88	>500k				
-			\mathcal{I}				

Test plots as follows:

	ots as follo	6						
<u>Hotl</u> in	<u>e: 400-6611</u>	-140 <u>Tel</u> : 8	36-755-27673	3339 Fax:	<u>86-755-2767</u>	7 <u>3332 ht</u> tp	Page ://www.tct-la	17 of 36 ab.com



6.5. Power Spectral Density

6.5.1. 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:	 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

6.5.2. Test Instruments

RF Test Room								
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

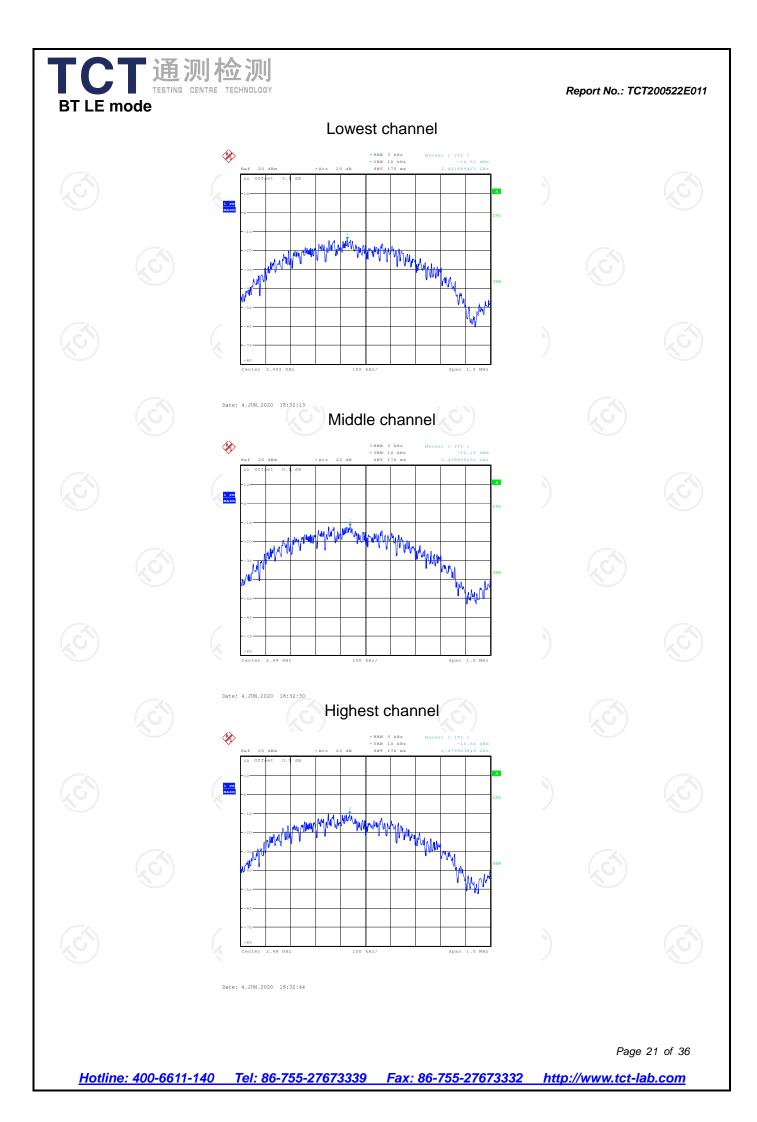
international system unit (SI).

6.5.3. Test data

Test shapped	Power Spectral Density (dBm/3kHz)				
Test channel	BT LE mode	Limit	Result		
Lowest	-14.52	8 dBm/3kHz			
Middle	-12.18	8 dBm/3kHz	PASS		
Highest	-10.64	8 dBm/3kHz	$\langle \mathcal{C} \rangle$		

Test plots as follows:

G	ts as follow	vs:						
<u>Hotline</u>	Page 20 of 36 <u>Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com</u>							



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6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. 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:	 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).
	4. Measure and record the results in the test report.5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

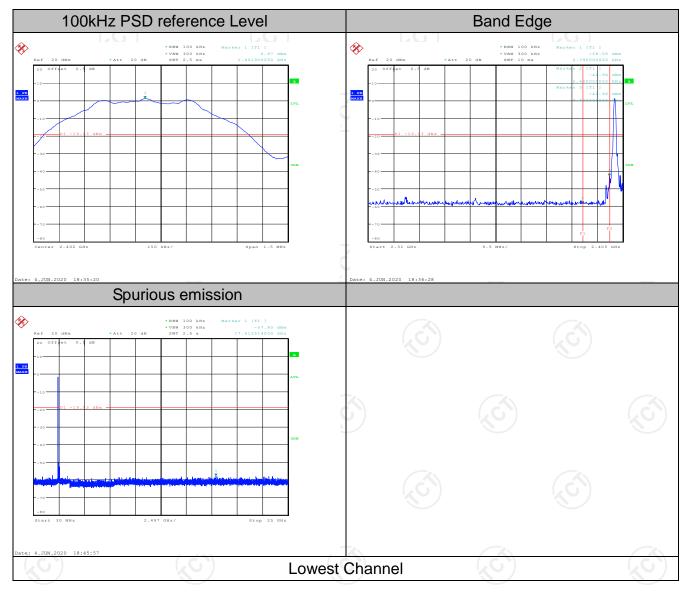
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6.6.2. Test Instruments

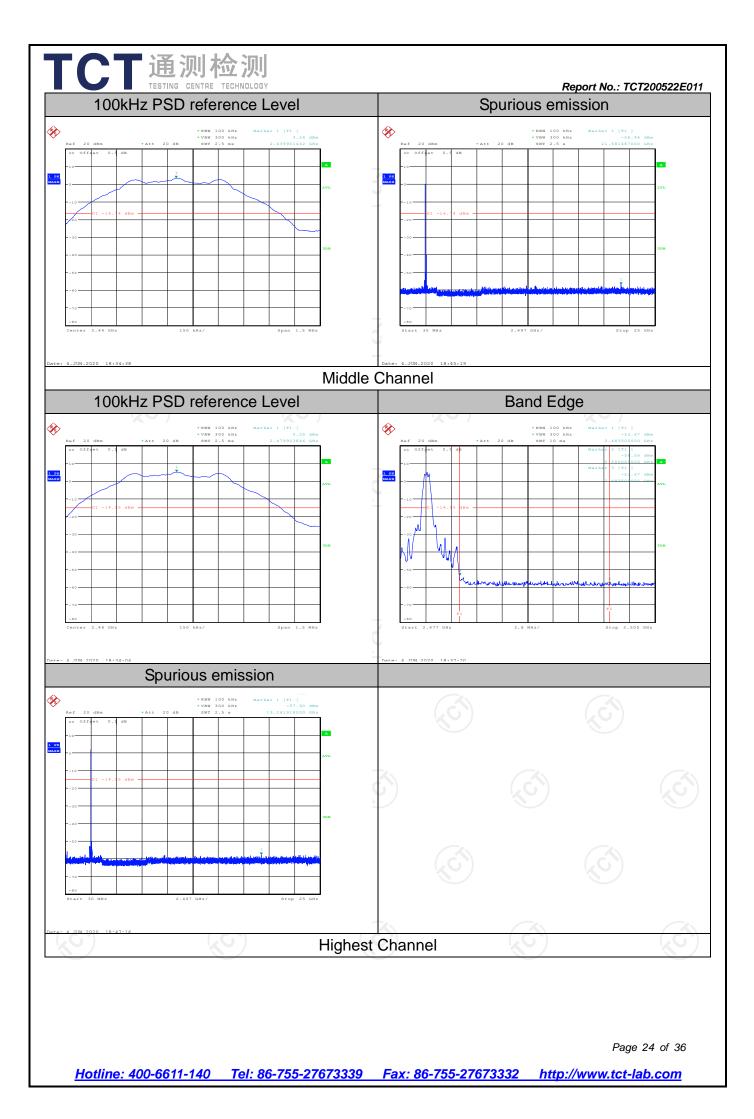
RF Test Room										
Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2020						
RF cable (9kHz-26.5GHz)	тст	RE-06	N/A	Sep. 11, 2020						
Antenna Connector	тст	RFC-01	N/A	Sep. 11, 2020						

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

6.6.3. Test Data



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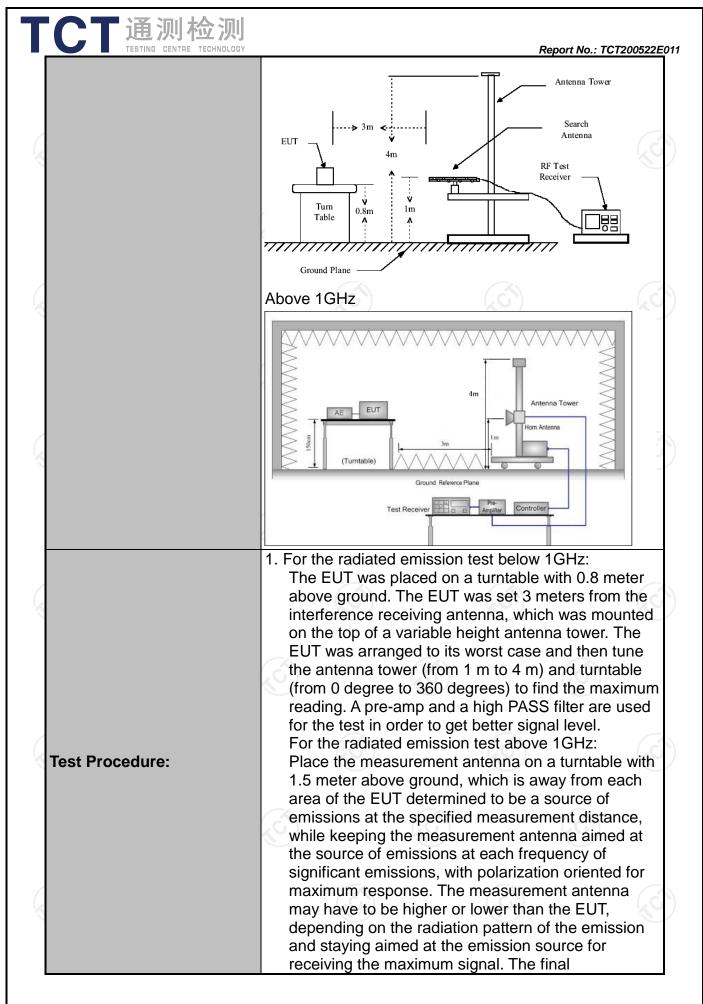
6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

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Test Requirement:	FCC Part15	C Sectior	n 15.209			No.		
Test Method:	ANSI C63.10	ANSI C63.10: 2013						
Frequency Range:	9 kHz to 25 (GHz	3			6		
Measurement Distance:	3 m	K	9		K.)		
Antenna Polarization:	Horizontal &	Vertical						
Operation mode:	Refer to item	n 4.1	(()				
	Frequency 9kHz- 150kHz	Detector Quasi-pea	RBW k 200Hz	VBW 1kHz		Remark si-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-pea	k 9kHz	30kHz	Quas	si-peak Value		
	30MHz-1GHz	Quasi-pea		300KHz		si-peak Value		
	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz		eak Value erage Value		
		Теак		TOTIZ		erage value		
	Frequen	icy	Field Str (microvolts			asurement nce (meters)		
	0.009-0.490		2400/F(KHz)		300			
	0.490-1.7	/	24000/F(KHz)			30		
	1.705-3		<u>30</u> 100		30			
	88-216		150		3			
_imit:	216-960		200		3			
	Above 9		500			3		
	Frequency		Field Strength		easurement Distance Detect (meters)			
		(500	3		Average		
	Above 1GHz	5000		3 Peak				
	For radiated	emission	s below 30)MHz				
	Di	stance = 3m			Compu	ıter		
	Computer Pre-Amplifier							
lest setup:	EUT	.(╓┰	110.5	anpiner	וך		
	0.8m	Turn table	1m	Гг		 `		
	<u> </u>	Group	d Plane		teceiver			
	30MHz to 1GHz							

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	ן איז Report No.: TCT200522
	 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. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 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 level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. Use the following spectrum analyzer settings: Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS

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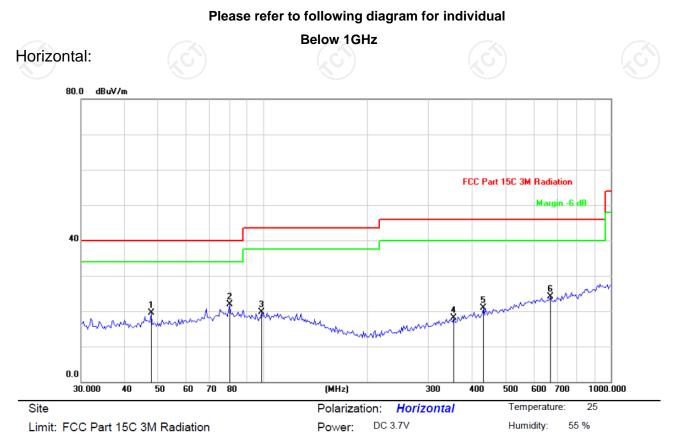
6.7.2. Test Instruments

	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. 06, 2020
Horn Antenna	A-INFO	LB-180400-KF	J211020657	Sep. 06, 2020
Antenna Mast	Keleto	RE-AM	N/A	N/A
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 08, 2020
Coax cable (9KHz-40GHz)	от 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).

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6.7.3. Test Data



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		47.7028	29.87	-10.37	19.50	40.00	-20.50	peak
2	*	80.2383	38.82	-16.88	21.94	40.00	-18.06	peak
3		99.0690	28.28	-8.67	19.61	43.50	-23.89	peak
4		353.4471	27.81	-9.66	18.15	46.00	-27.85	peak
5	4	430.3053	29.31	-8.48	20.83	46.00	-25.17	peak
6		669.9523	29.24	-5.08	24.16	46.00	-21.84	peak

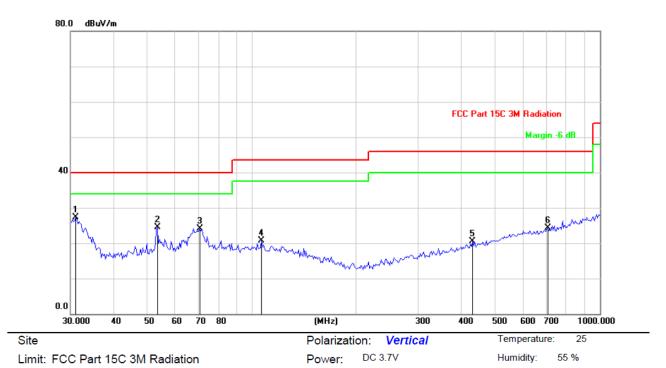
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Vertical:

TCT通测检测 TECT通测检测



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	31.0728	38.41	-11.14	27.27	40.00	-12.73	peak
2		53.3794	35.51	-10.95	24.56	40.00	-15.44	peak
3		70.7047	40.00	-15.98	24.02	40.00	-15.98	peak
4		106.2812	29.67	-9.00	20.67	43.50	-22.83	peak
5	4	430.3053	29.02	-8.48	20.54	46.00	-25.46	peak
6		708.6941	29.04	-4.79	24.25	46.00	-21.75	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.

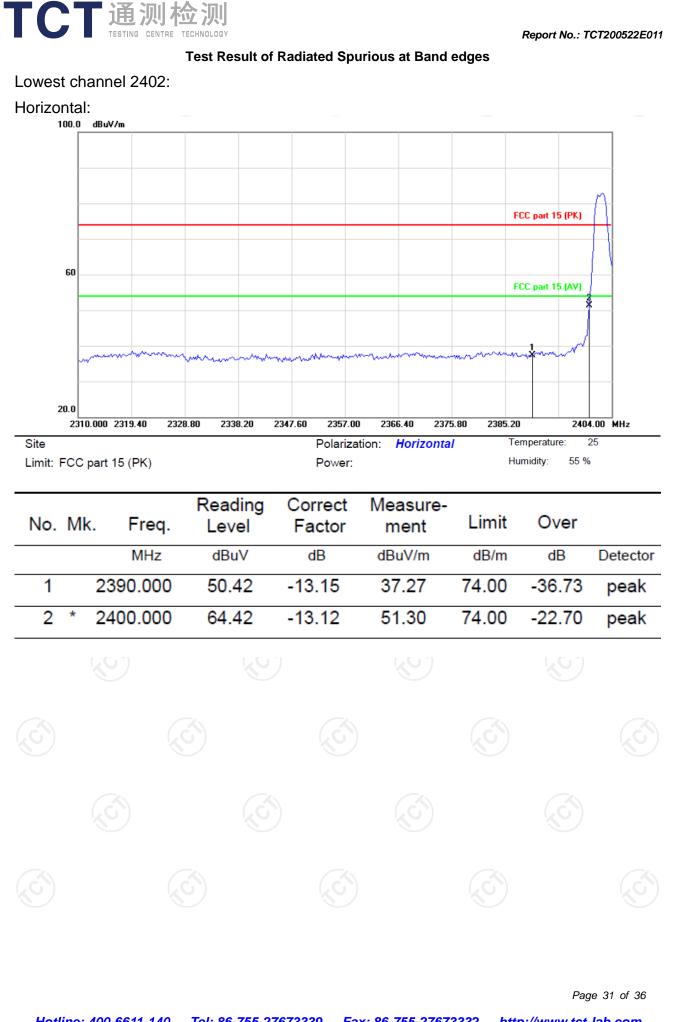
- 2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Highest channel) was submitted only.
- Freq. = Emission frequency in MHz Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB)
 - Correction Factor= Antenna Factor + Cable loss Pre-amplifier
 - Limit (dBµV/m) = Limit stated in standard

Margin (dB) = Measurement (dB μ V/m) – Limits (dB μ V/m)

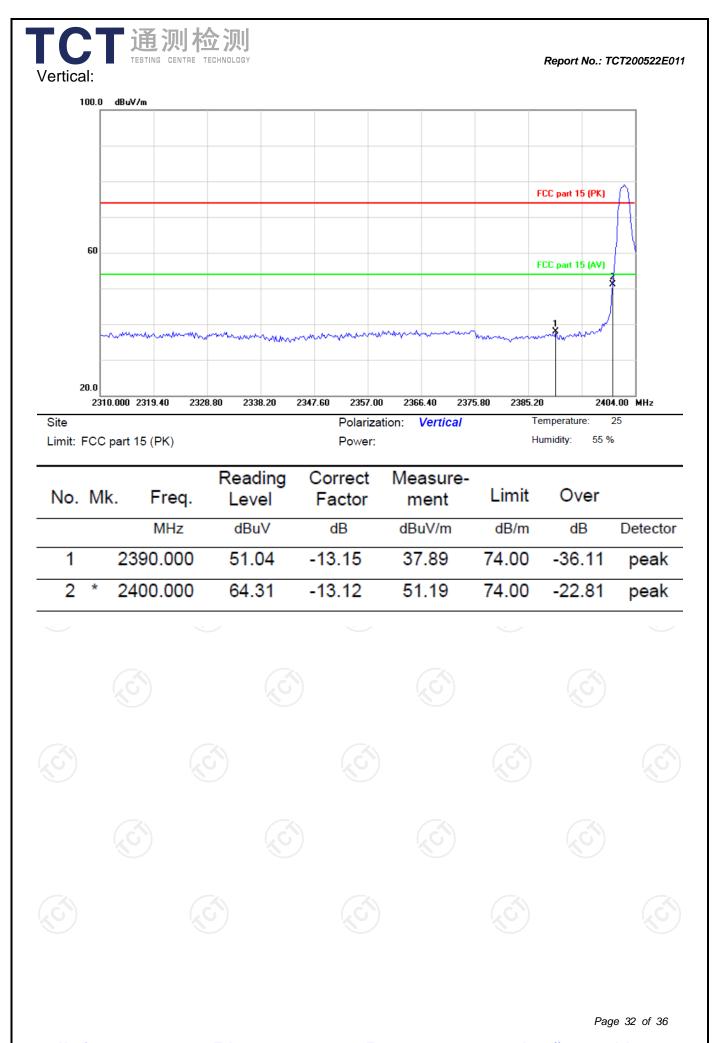
Any value more than 10dB below limit have not been specifically reported

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

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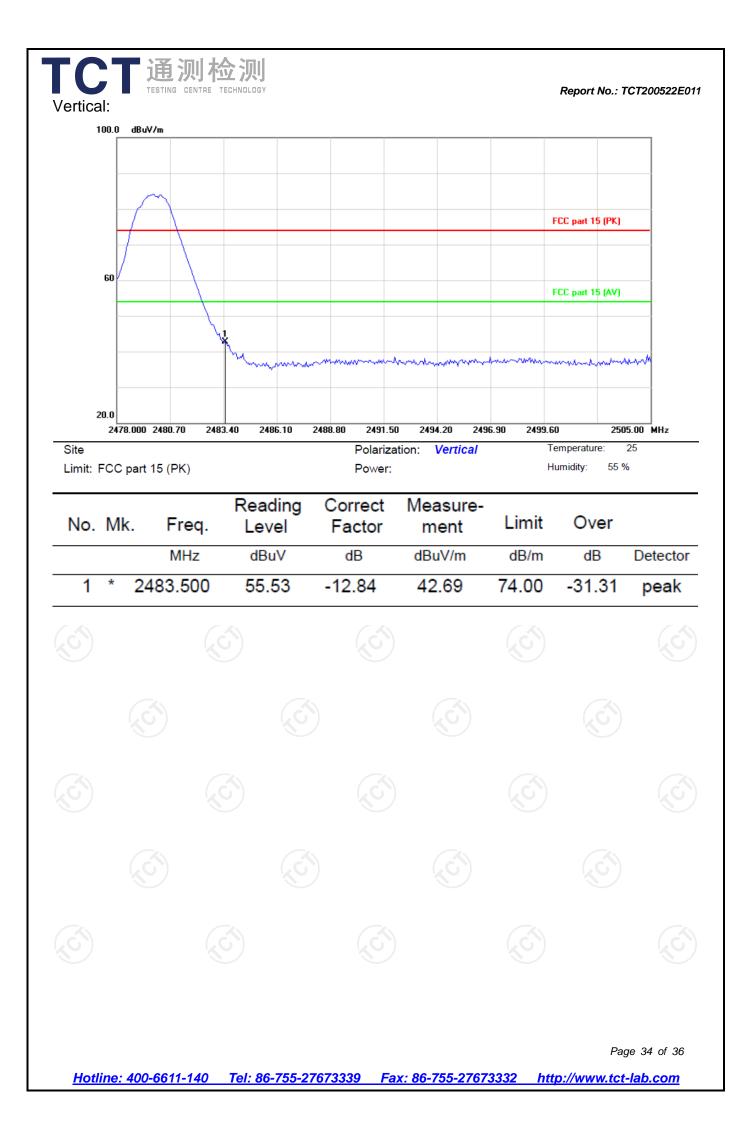


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Report No.: TCT200522E011 Highest channel 2480: Horizontal: 100.0 dBuV/m FCC part 15 (PK) 60 FCC part 15 (AV) And how they 20.0 2478.000 2480.70 2486.10 2488.80 2491.50 2496.90 2505.00 MHz 2483.40 2494.20 2499.60 25 Site Temperature: Polarization: Horizontal Humidity: 55 % Limit: FCC part 15 (PK) Power: Reading Correct Measure-Limit к і 0.00

	NO. IV	ik. Freq.	Level	Factor	ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	
_	1 *	2483.500	58.19	-12.84	45.35	74.00	-28.65	peak	





Above 1GHz

Low chann	el: 2402 IV	IHZ							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	46.17		0.66	46.83		74	54	-7.17
7206	Н	35.68		9.50	45.18		74	54	-8.82
	Н								
4804	V	44.85		0.66	45.51	×	74	54	-8.49
7206	V	35.04	-420	9.50	44.54	<u>()</u> -	74	54	-9.46
	V					<u> </u>			

Middle channel: 2440 MHz

通测检测 TESTING CENTRE TECHNOLOGY

Frequency	Ant Pol	Peak	AV	Correction	Emissio	on Level	Peak limit	AV/ limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)			(dBµV/m)	(dB)
4880	Н	43.59		0.99	44.58		74	54	-9.42
7320	Н	34.34		9.87	44.21		74	54	-9.79
	Н			·	(
			N.)					
4880	V	44.63		0.99	45.62		74	54	-8.38
7320	V	34.17		9.87	44.04		74	54	-9.96
	V								

High channel: 2480 MHz

-requency Ant. Pol.		Peak	AV	Correction	Emission Level		Peak limit	A\/ limit	Margin	
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)		(dBµV/m)		(dB)	
4960	Н	45.69	-6.0	1.33	47.02		74	54	-6.98	
7440	H	36.05	-	10.22	46.27		74	54	-7.73	
	Н									
4960	V	47.13		1.33	48.46		74	54	-5.54	
7440	V	36.84		10.22	47.06		74	54	-6.94	
	V			<i></i>	/					

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ 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.

