TEST REPORT

FCC ID: 2AJDX-JC-B060 Product: Bluetooth Heart Rate Monitor Model No.: NM3 Additional Model: JC-B060 Trade Mark: N/A Report No.: TCT160819E002 Issued Date: Sep. 07, 2016

Issued for:

STYR Labs Inc. 16416 N. 92nd Street, Suite B105, Scottsdale, AZ 85260, USA

Issued By:

Shenzhen Tongce Testing Lab. 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China TEL: +86-755-27673339 FAX: +86-755-27673332

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen Tongce Testing Lab. This document may be altered or revised by Shenzhen Tongce Testing Lab. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

TCT通测检测 TESTING CENTRE TECHNOLOGY

2. Test Result Summary	<u> </u>	<u>6)</u>	4
3. EUT Description			5
4. Genera Information			6
4.1. Test environment and mode	\sim	\sim	6
4.2. Description of Support Units			6
5. Facilities and Accreditations		<u>çî)</u>	
5.1. Facilities			
5.2. Location			7
5.3. Measurement Uncertainty	<u>(C)</u>	<u>(6)</u>	7
6. Test Results and Measurement Dat	a		8
6.1. Antenna requirement			
6.2. Conducted Emission			
6.3. Conducted Output Power			9
6.4. Emission Bandwidth			
6.5. Power Spectral Density			9
6.6. Test Specification			
6.7. Conducted Band Edge and Spurious	Emission Meas	urement	9
6.8. Radiated Spurious Emission Measur	ement		
6.8. Radiated Spurious Emission Measur Appendix A: Photographs of Test Set			
		Ś	
Appendix A: Photographs of Test Set		Ś	
Appendix A: Photographs of Test Set Appendix B: Photographs of EUT	up	<u>(</u>	
Appendix A: Photographs of Test Set	up	J J	
Appendix A: Photographs of Test Set Appendix B: Photographs of EUT	up		
Appendix A: Photographs of Test Set Appendix B: Photographs of EUT	up	(J) (J) (J)	
Appendix A: Photographs of Test Set Appendix B: Photographs of EUT	up		
Appendix A: Photographs of Test Set Appendix B: Photographs of EUT	up		

1. Test Certification

Product:	Bluetooth Heart Rate M	Ionitor		
Model No.:	NM3			G
Additional Model No.:	JC-B060	NO TO		C
Applicant:	STYR Labs Inc.			
Address:	16416 N. 92nd Street, 3	Suite B105, Scottse	dale, AZ 85260, USA	
Manufacturer:	Joint Chinese Ltd	(\mathcal{C})	(\mathcal{C})	(,ć
Address:	Building 6, Huafeng T Area, Songgang Town,			dustrial
Date of Test:	Aug. 19 - Sep. 06, 2010	6		
Date of Test: Applicable Standards:	Aug. 19 - Sep. 06, 2016 FCC CFR Title 47 Part KDB 558074 D01 DTS	15 Subpart C Sect		G

Report No.: TCT160819E002

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:	Beng zhas	Date:	Sep. 06, 2016	
C C	Beryl Zhao	(S)	
Reviewed By:	Longhan	Date:	Sep. 07, 2016	
	Joe Zhou		Ó	
Approved By:	Tomsin	Date:	Sep. 07, 2016	
(C	Tomsin	((C)	



2. Test Result Summary

Requir	ement		CFR 47 Sec	tion		Result	
Antenna re	quirement	§	15.203/§15.2	247 (c)	K)	PASS	N.
AC Power Lir Emis			§15.207			PASS	
Conducted F Pov	•		§15.247 (b) §2.1046			PASS	
6dB Emissio	n Bandwidth		§15.247 (a §2.1049			PASS	
Power Spec	tral Density		§15.247 (e)		PASS	
Band	Edge		1§5.247(0 §2.1051, §2.			PASS	
Spurious	Emission		§15.205/§15			PASS	
lote: 1. PASS: Test ite	em meets the requir	rement.	§2.1053, §2.	6		Ś	
lote: 1. PASS: Test ite 2. Fail: Test iten 3. N/A: Test cas	em meets the requir	ement. requirement the test obje	ct.	Ś	Ś		
lote: 1. PASS: Test ite 2. Fail: Test iten 3. N/A: Test cas	em meets the requin does not meet the e does not apply to	ement. requirement the test obje	ct.	Ś			
lote: 1. PASS: Test ite 2. Fail: Test iten 3. N/A: Test cas	em meets the requin does not meet the e does not apply to	ement. requirement the test obje	ct.	Ś			
lote: 1. PASS: Test ite 2. Fail: Test item 3. N/A: Test cas 4. The test resul	em meets the require a does not meet the e does not apply to t judgment is decide	ement. requirement the test obje	ct. it of test standard.	Ś			

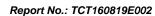
3. EUT Description

Product Name:	Bluetooth Heart Rate Monitor
Model :	NM3
Additional Model:	JC-B060
Trade Mark:	N/A
BT Version:	4.0(This report is for V4.0)
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	Internal Antenna
Antenna Gain:	0dBi
Power Supply:	Rechargeable Li-ion Battery DC3.7V
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>
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.		<u>_1.</u>	





4. Genera Information

CT通测检测 TESTING CENTRE TECHNOLOGY

4.1. Test environment and mode

Operating Environment:		
Temperature:	25.0 °C	
Humidity:	56 % RH	
Atmospheric Pressure:	1010 mbar	
Test Mode:		

The sample was placed (0.8m below 1GHz, 1.5m 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 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
Notebook	G485		6 1	Lenovo

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.



5.1. Facilities

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

- FCC Registration No.: 572331
 - 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

• CNAS - Registration No.: CNAS L6165

Shenzhen TCT Testing Technology Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6165.

5.2. Location

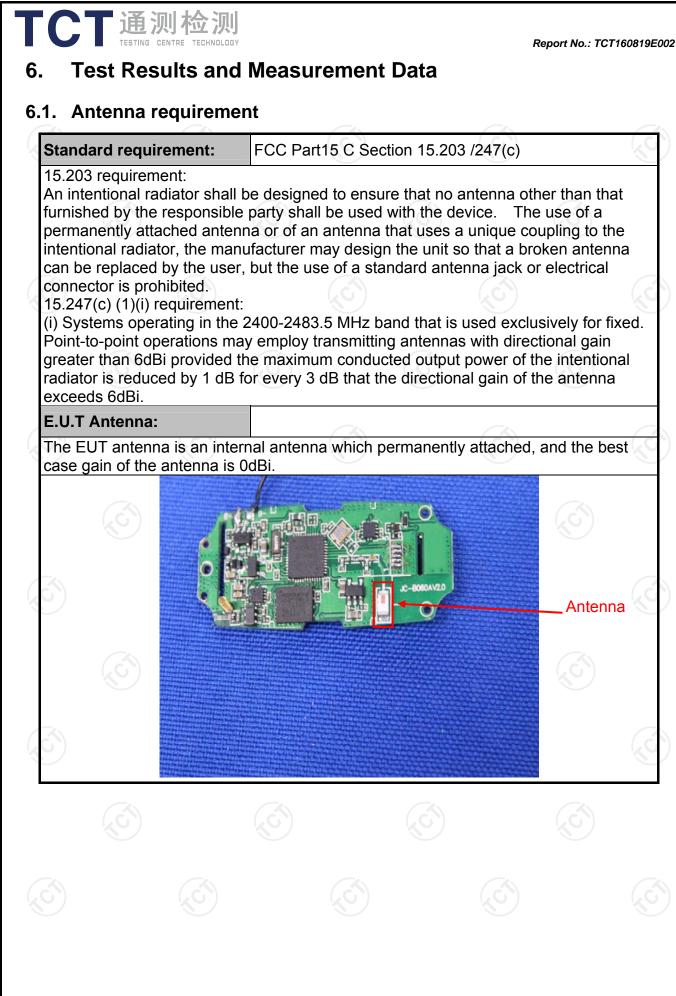
Shenzhen Tongce Testing Lab

Address: 1F, Leinuo Watch Building, Fuyong Town, Baoan Dist, Shenzhen, China Tel: 86-755-36638142

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%



6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	n 15.207				
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	e=auto			
	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			
	Reference	ce Plane				
Test Setup:	E.U.T AC powe Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization No Test table height=0.8m	EMI Receiver	— AC power			
Test Mode:	Charging + Transmittir	5	0			
Test Mode: Test Procedure:	 Charging + Transmittin 1. The E.U.T and simple power through a line (L.I.S.N.). This primedance for the m 2. The peripheral device power through a L coupling impedance refer to the block photographs). 3. Both sides of A.C conducted interfere emission, the relative the interface cables ANSI C63.10: 2013 	ulators are conne e impedance stat ovides a 50ohm neasuring equipm ces are also conne ISN that provides e with 50ohm term diagram of the . line are checke nce. In order to fin ve positions of equi s must be chang	pilization network /50uH coupling ent. ected to the main s a 50ohm/50uH nination. (Please test setup and ed for maximun nd the maximun ipment and all o jed according to			

6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
EMI Test Receiver	R&S	ESCS30	100139	Aug. 11, 2017				
LISN	Schwarzbeck	NSLK 8126	8126453	Aug. 16, 2017				
Coax cable	тст	CE-05	N/A	Aug. 11, 2017				
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).

Page 10 of 31

6.2.3. Test data

CT通测检测 TESTING CENTRE TECHNOLOGY

Please refer to following diagram for individual Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz) 80 N dBu¥ QP: AVG: 40 LUH. 0.0 0.150 0.5 (MHz) 5 30.000 Site Chamber #2 Phase: L1 Temperature: 23 (C) Humidity: 54 % Limit: FCC Part 15B Class B Conduction(QP) Power: Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dBuV dB dBuV dBuV dB Detector Comment QP 0.1819 41.87 11.46 53.33 64.39 -11.06 1 2 0.1819 22.73 11.46 34.19 54.39 -20.20 AVG 0.2460 32.94 11.43 44.37 61.89 -17.52 QP 3 4 0.2460 17.07 11.43 28.50 51.89 -23.39 AVG 0.4540 30.26 11.32 41.58 56.80 -15.22 QP 5 6 0.4540 15.83 11.32 27.15 46.80 -19.65 AVG 7 0.5299 27.93 11.28 39.21 56.00 -16.79 QP 0.5299 13.25 11.28 24.53 46.00 -21.47 AVG 8 1.2380 24.54 11.31 35.85 56.00 -20.15 QP 9

Note:

10 11

12

1.2380

4.4260

4.4260

8.46

22.23

10.74

11.31

10.82

10.82

19.77

33.05

21.56

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = Antenna 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 $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =Quasi-Peak AVG =average * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

46.00 -26.23

56.00 -22.95

46.00 -24.44

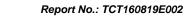
AVG

QP

AVG

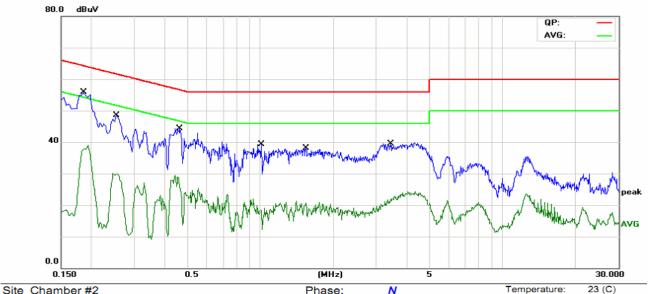
Page 11 of 31

Report No.: TCT160819E002



54 %

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



	1 11030.	
Limit: FCC Part 15B Class B Conduction(QP)	Power:	Humidity:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1860	41.78	11.46	53.24	64.21	-10.97	QP	
2		0.1860	25.71	11.46	37.17	54.21	-17.04	AVG	
3		0.2540	32.66	11.42	44.08	61.62	-17.54	QP	
4		0.2540	17.63	11.42	29.05	51.62	-22.57	AVG	
5		0.4660	30.05	11.32	41.37	56.58	-15.21	QP	
6		0.4660	14.51	11.32	25.83	46.58	-20.75	AVG	
7		1.0060	23.27	11.20	34.47	56.00	-21.53	QP	
8		1.0060	6.77	11.20	17.97	46.00	-28.03	AVG	
9		1.5380	22.26	11.47	33.73	56.00	-22.27	QP	
10		1.5380	7.61	11.47	19.08	46.00	-26.92	AVG	
11		3.4460	22.58	11.17	33.75	56.00	-22.25	QP	
12		3.4460	9.67	11.17	20.84	46.00	-25.16	AVG	

Note:

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

AVG =average

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

Page 12 of 31



6.3. Conducted Output Power

6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074
Limit:	30dBm
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Refer to item 4.1
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r05. 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

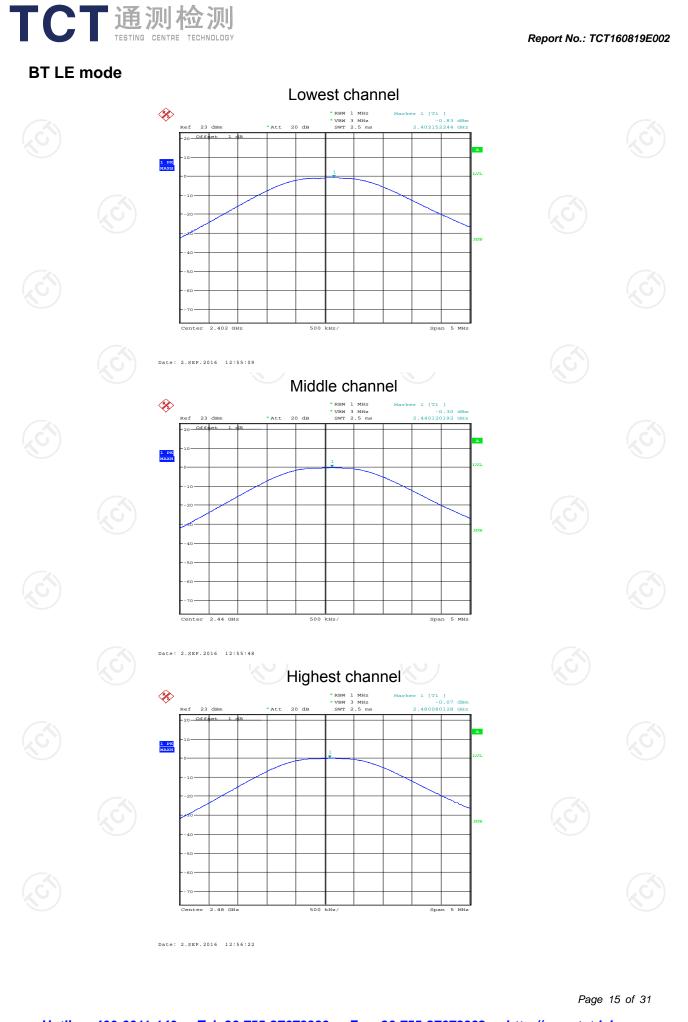
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017
RF cable	тст	RE-06	N/A	Aug. 12, 2017
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017

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

Page 13 of 31

6.3.3. Test Data

Output Power (-0.83 -0.30 -0.07		30.00 30.00 30.00	0	PASS PASS PASS	
-0.07		30.00 C		PASS	
	el: 86-755-276733	 Solution Sol	 Solution Solution Solution Solution Solution Solution Solution Solution Solut	 Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution Solution <p< td=""><td>Image: Set-755-27673332 fax: 86-755-27673332 http://www.tct-lat</td></p<>	Image: Set-755-27673332 fax: 86-755-27673332 http://www.tct-lat





6.4. Emission Bandwidth

6.4.1. Test Specification

FCC Part15 C Section 1	15.247 (a)(2)			
KDB558074				
>500kHz				
Spectrum Analyzer	EUT			
Refer to item 4.1				
 Refer to item 4.1 The testing follows FCC KDB Publication No. 558 DTS D01 Meas. Guidance v03r05. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyze resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to m an accurate measurement. The 6dB bandwidth n be greater than 500 kHz. Measure and record the results in the test report. 				
PASS				
	KDB558074 >500kHz Image: Spectrum Analyzer Refer to item 4.1 1. The testing follows For DTS D01 Meas. Gui 2. Set to the maximum present to the maximum present to the maximum present to the maximum present to be andwidth (Veran accurate measured be greater than 500) 4. Measure and record to the maximum present to the measurement of the test of test of the test of te			

6.4.2. Test Instruments

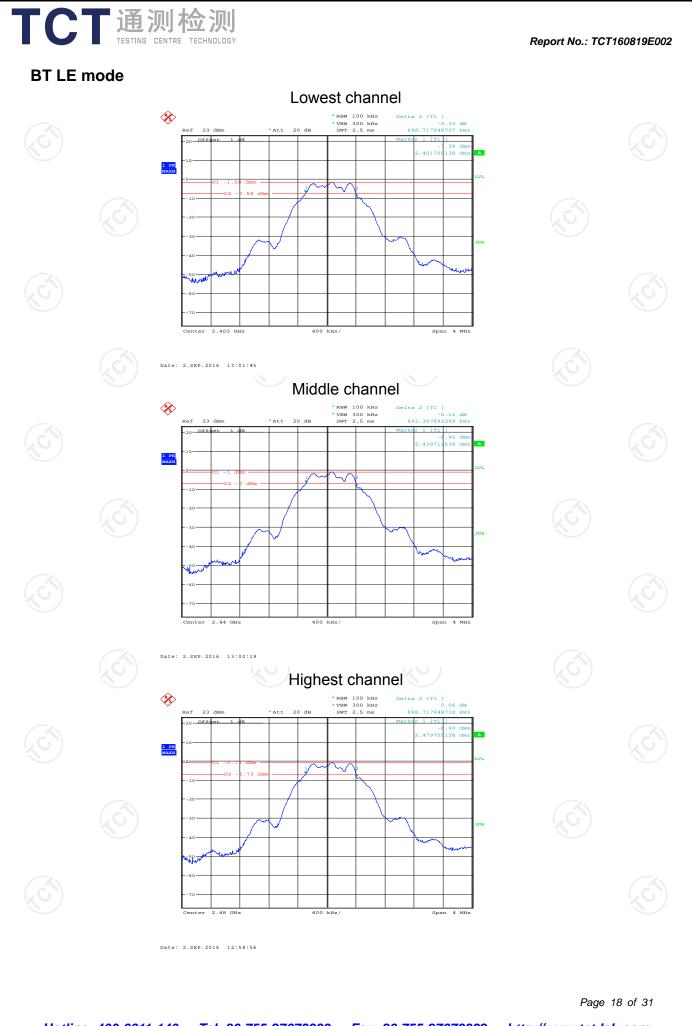
RF Test Room								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017				
RF cable	су тст	RE-06	N/A	Aug. 12, 2017				
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017				

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)					
5	Test channel	BT LE mode	Limit	Result			
	Lowest	698.72	>500k				
	Middle	692.31	>500k	PASS			
	Highest	698.72	>500k				

Test pl	ots as follov	ws:							
<u>Hotlin</u>	Page 17 of 31 <u>Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com</u>								





6.5. Power Spectral Density

6.6. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074
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 testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v03r05 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

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017			
RF cable	🕥 тст	RE-06	N/A	Aug. 12, 2017			
Antenna Connector	тст	RFC-01	N/A	Aug. 12, 2017			

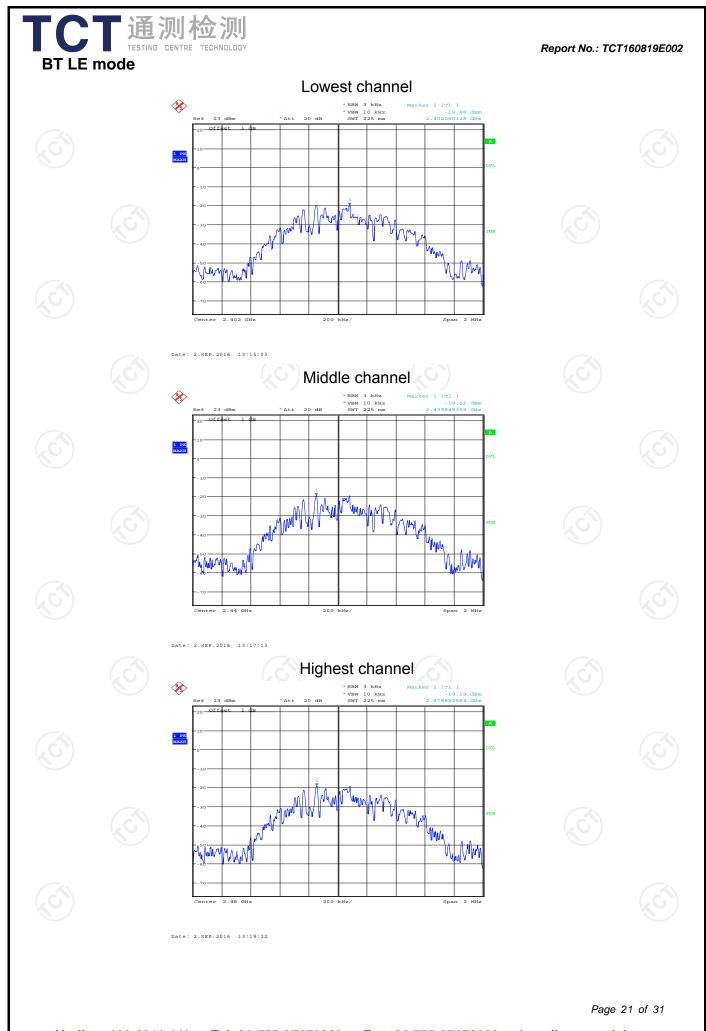
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.6.2. Test data

	Test channel	Power Spectral Density (dBm/3kHz)					
		BT LE mode	Limit	Result			
	Lowest	-19.88	8 dBm/3kHz				
	Middle	-19.51	8 dBm/3kHz	PASS			
Ī	Highest	-19.19	8 dBm/3kHz				

Test plots as follows:

G	ots as tonov	vs:						
							Para	20 of 31
<u>Hotlin</u>	<u>e: 400-6611</u> .	-140 Tel: 8	86-755-27673	3339 Fax:	86-755-2767	'3332 http	://www.tct-la	



6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

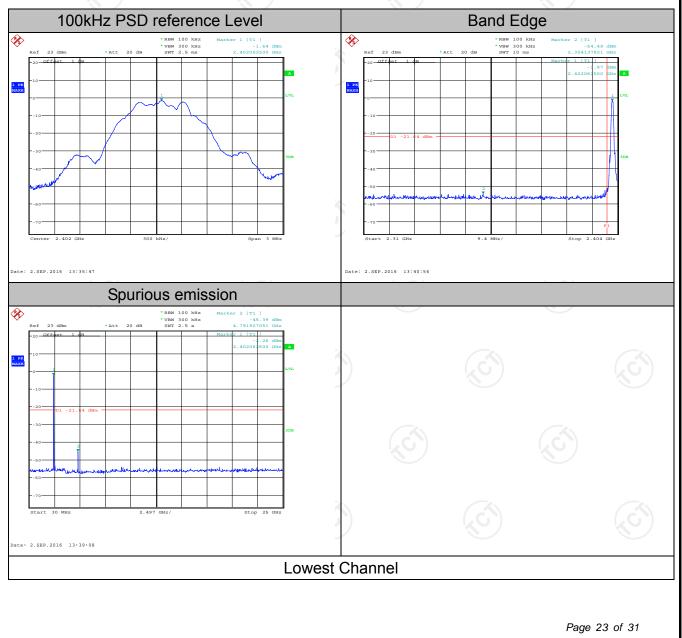
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB 30dB relative to the maximum PSD level in 100 kHz b RF conducted measurement and radiated emission 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
	 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
Test Procedure:	 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 i 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

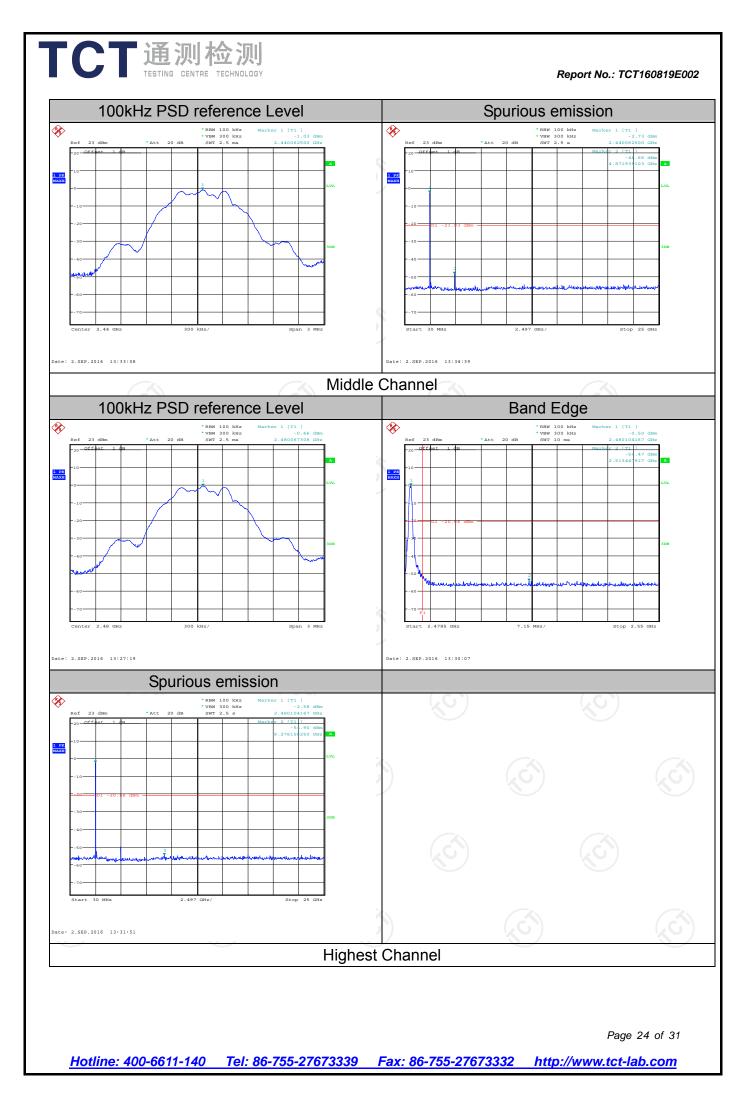
6.7.2. Test Instruments

RF Test Room											
Equipment	Manufacturer	Model	Serial Number	Calibration Due							
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 12, 2017							
Spectrum Analyzer	R&S	FSU	200054	Aug. 11, 2017							
RF cable	тст	RE-06	N/A	Aug. 12, 2017							
Antenna Connector	ТСТ	RFC-01	N/A	Aug. 12, 2017							

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



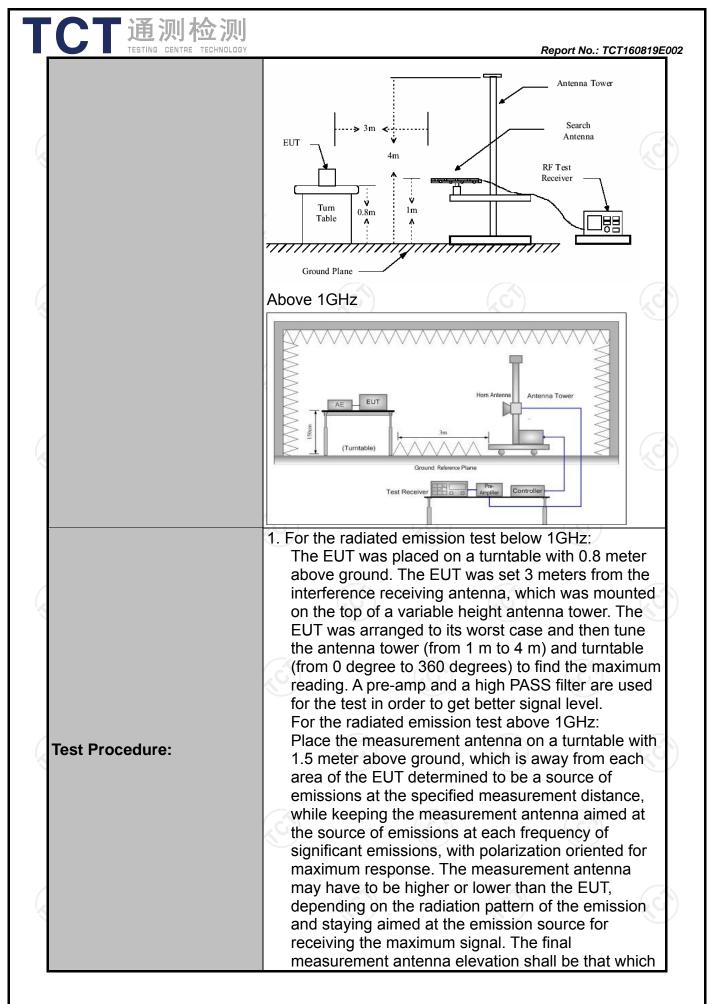


6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

TCT通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15	C Sectior	า 15.209 🛬	S		No.	
Test Method:	ANSI C63.10): 2013					
Frequency Range:	9 kHz to 25 (GHz					
Measurement Distance:	3 m				K.	7	
Antenna Polarization:	Horizontal &	Vertical					
Operation mode:	Refer to item	14.1	((()			
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-pea Quasi-pea	k 200Hz	VBW 1kHz 30kHz		Remark si-peak Value si-peak Value	
Receiver Setup:	30MHz 30MHz-1GHz Quasi-r Above 1GHz Pea		k 100KHz 1MHz 1MHz	300KHz 3MHz 10Hz	Р	si-peak Value 'eak Value erage Value	
	Frequer 0.009-0.4	490	Field Stro (microvolts 2400/F(1	/meter) KHz)	Measurement Distance (meters) 300		
	0.490-1.7		24000/F(KHz)		30		
	1.705-3	30 100)	30			
Limit:	88-216		150			3	
	216-96	0	200			3	
	Above 9	500			3		
	Frequency		Field Strength (microvolts/meter)		ment ce ˈs)	Detector	
	Above 1GHz	2	500	3	6	Average	
	For radiated	emission	5000 s below 30)MHz		Peak	
		Distance = 3m				Computer	
Test setup:	EUT	Turn table				Amplifier	
	Ground Plane 30MHz to 1GHz						



T <u>C</u>		ante restr abov 2. Corre Rea 3. For n of th lowe leve mea dete 4. Use t (1) S (2) S (3) S for (3) S for duty whe the n trans pow	enna eleval ricted to a ve the grou ected Read d Level - F neasurement e EUT me er than the l will be rep surement cor and re the followin pan shall w mission be set RBW=1 weep = au nax hold; bet RBW = or peak me average m cycle is no n duty cycl minimum tr smitter is o er control I	emissions ion for max range of he ind or refer ling: Anten reamp Fac ent below 1 asured by 1 asured by 1 asured by 1 applicable ported. Oth will be repe ported. Oth is ported. Oth applicable ported. Oth is ported. Oth is ported. 1 MHz, VE easurement o less than e is less than is less than is ansmission in and is tra evel for the 1 for detail	The measurement is for the measurement rence ground na Factor - ctor = Leve GHz, If the the peak de limit, the presented using an analyzer of analyzer of a 1 GHz; or function BW= 3MHz t. BW= 3MH	ssions sha om 1 m to 4 nd plane. + Cable Loa e emission etector is 3 eak emission g the quasi- settings: apture the VBW \geq R = peak; Tra for f 1 C 10 Hz, whe t. VBW \geq cent where over which at its maxin	II be I m ss + level dB on -peak -peak RBW; ace = GHz en 1/T, T is the num
	esults:	PASS					
						Page	27 of 31



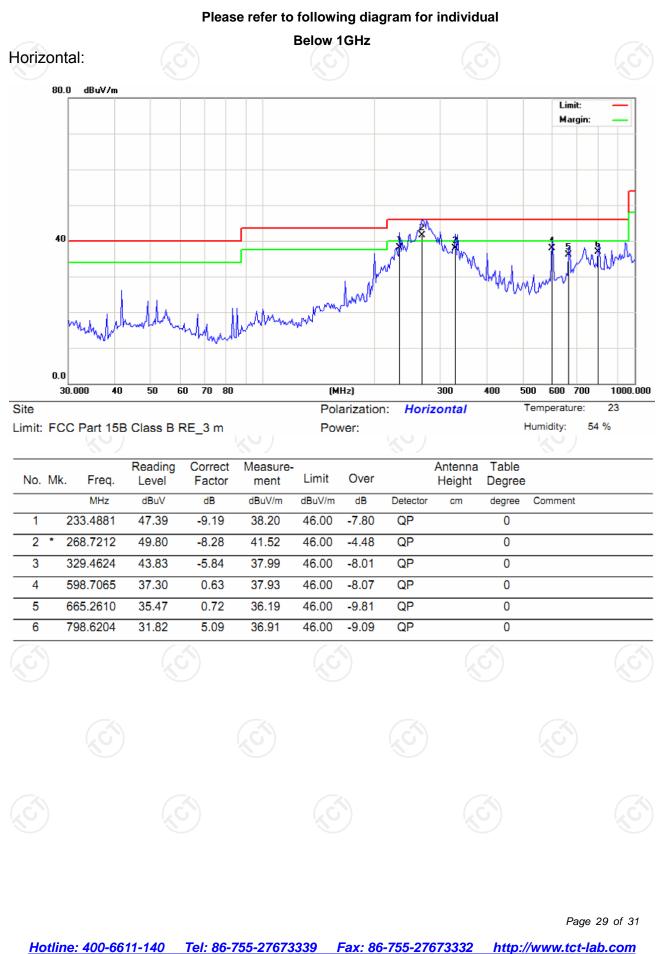
6.8.2. Test Instruments

	Radiated Em	ission Test Site	e (966)			
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
ESPI Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Aug. 11, 2017		
Spectrum Analyzer	ROHDE&SCHW ARZ	FSEM	848597/001	Aug. 11, 2017		
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Aug. 11, 2017		
Pre-amplifier	HP	8447D	2727A05017	Aug. 11, 2017		
Loop antenna	ZHINAN	ZN30900A	12024	Aug. 13, 2017		
Broadband Antenna	Schwarzbeck	VULB9163	340	Aug. 13, 2017		
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Aug. 13, 2017		
Horn Antenna	Schwarzbeck	BBHA 9170	373	Aug. 13, 2017		
Antenna Mast	CCS	CC-A-4M	N/A	N/A		
Coax cable	ТСТ	RE-low-01	N/A	Aug. 11, 2017		
Coax cable	тст	RE-high-02	N/A	Aug. 11, 2017		
Coax cable	тст	RE-low-03	N/A	Aug. 11, 2017		
Coax cable	тст	RE-high-04	N/A	Aug. 11, 2017		
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).

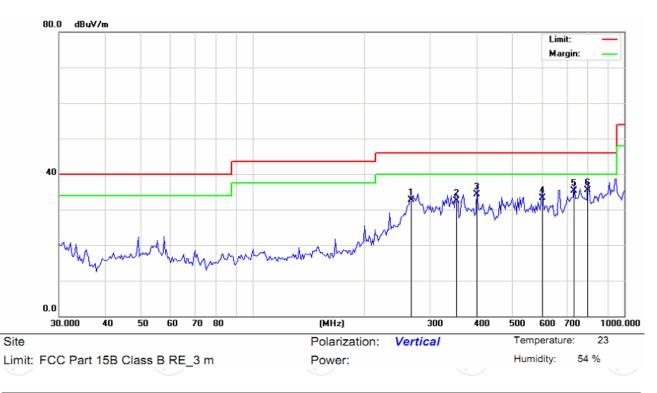
Page 28 of 31

6.8.3. Test Data



Report No.: TCT160819E002

Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	:	266.8394	41.03	-8.42	32.61	46.00	-13.39	QP		0	
2	:	353.4471	38.49	-5.94	32.55	46.00	-13.45	QP		0	
3		401.1050	38.27	-3.90	34.37	46.00	-11.63	QP		0	
4		602.9287	32.55	0.77	33.32	46.00	-12.68	QP		0	
5		734.0372	29.79	5.44	35.23	46.00	-10.77	QP		0	
6	* '	798.6204	30.46	5.09	35.55	46.00	-10.45	QP		0	

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 (Low channel) was submitted only.

Page 30 of 31

Report No.: TCT160819E002

Above 1GHz

Low channe	el: 2402 N	1Hz							
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
2390	Н	44.19		-8.27	35.92		74	54	-18.08
4804	Н	44.21		0.66	44.87		74	54	-9.13
7206	Н	34.07		9.5	43.57		74	54	-10.43
	Н								
			(.c.		(
2390	V	43.62		-8.27	35.35		74	54	-18.65
4804	V	45.38		0.66	46.04		74	54	-7.96
7206	V	40.14		9.5	49.64		74	54	-4.36
×	V				×		-		
GT)		(\mathcal{O})	•			•	(\mathcal{G})		02
Middle cha	nnel: 2440)MHz		le l					
Frequency	Ant Pol	Peak	AV	Correction	Emissic	on Level	Peak limit	AV/ limit	Margin

Frequency	Ant Pol	Реак	AV	Correction	Emissic	on Level	Peak limit	A\/ limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)			(dBµV/m)	(dB)
4880	(GH)	41.52	-txC	0.99	42.51	<u>,C</u> +	74	54	-11.49
7320	F	38.75		9.87	48.62		74	54	-5.38
	Н								
4880	V	43.02		0.99	44.01		74	54	-9.99
7320	V	39.11		9.87	48.98		74	54	-5.02
	V				-				

High channel: 2480 MHz

CT通测检测 TESTING CENTRE TECHNOLOGY

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)
2483.5	Н	45.64		-7.83	37.81		74	54	-16.19
4960	Н	47.79		1.33	49.12		74	54	-4.88
7440	Н	39.69		10.22	49.91		74	54	-4.09
<u> </u>	Н			%	/				
2483.5	V	48.12		-7.83	40.29		74	54	-13.71
4960	V	46.98		1.33	48.31		74	54	-5.69
7440	J.G.V	39.26	-+.C	10.22	49.48	<u>, G</u> +	74	54	-4.52
	V								

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.

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