TEST REPORT

FCC ID: 2ARRB-VB120 Product: MOTO BUDS 120 Model No.: MOTO BUDS 120 Additional Model No.: N/A Trade Mark: Motorola Report No.: TCT210429E023 Issued Date: May 17, 2021

Issued for:

Meizhou Guo Wei Electronics Co., Ltd AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab TCT Testing Industrial Park, Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China TEL: +86-755-27673339

FAX: +86-755-27673332

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1. Test Certification

Product:	MOTO BUDS 120
Model No.:	MOTO BUDS 120
Additional Model No.:	N/A
Trade Mark:	Motorola
Applicant:	Meizhou Guo Wei Electronics Co., Ltd
Address:	AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China
Manufacturer:	Meizhou Guo Wei Electronics Co., Ltd
Address:	AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China
Date of Test:	Apr. 30, 2021 – May 17, 2021
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: May 17, 2021 arm Mo Aaron Mo **Reviewed By:** Date: May 17, 2021 Approved By: Date: May 17, 2021 Tomsin Page 3 of 36 Tel: 86-755-27673339 Hotline: 400-6611-140 Fax: 86-755-27673332 http://www.tct-lab.com



2. Test Result Summary

Report No.: TCT210429E023

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.

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3. EUT Description

Product:	MOTO BUDS 120
Model No.:	MOTO BUDS 120
Additional Model No.:	N/A
Trade Mark:	Motorola
Bluetooth Version:	V5.0 (This report is for BLE)
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Type:	GFSK
Modulation Technology:	FHSS
Antenna Type:	Internal Antenna
Antenna Gain:	0dBi
Power Supply:	Rechargeable Li-ion battery DC 3.7V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

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
			/				N.
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.						

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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:

Conducted Emission:	Charging
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
GY	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
 Designation Number: CN1205
 The 3m Semi-apechoic chamber

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 CAB identifier: CN0031
 The 3m Semi anechoic chamber

The 3m Semi-anechoic chamber of SHENZHEN TONGCE TESTING LAB has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: TCT Testing Industrial Park, Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of 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%



6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement: FCC

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

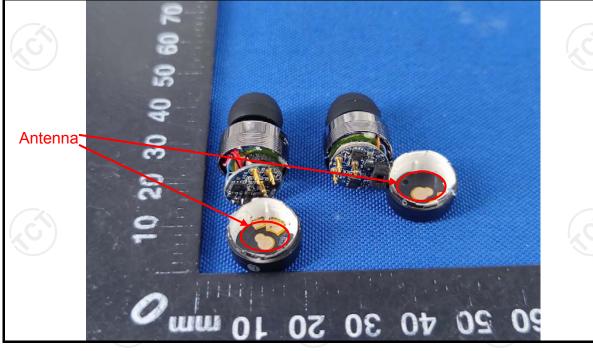
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 Internal Antenna which permanently attached, and the best case gain of the antenna is 0dBi.







6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207			
•					
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz	G			
Receiver setup:	RBW=9 kHz, VBW=30	RBW=9 kHz, VBW=30 kHz, Sweep time=auto			
	Frequency range	Limit (o	/		
Receiver setup:	(MHz)	Quasi-peak	Average		
Limits:	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	<u>56</u> 60	46 50		
			50 -		
	Refere	nce Plane			
Test Setup: Test Mode:	Test table/Insulation pla	Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network			
Test Mode:					
Test Procedure:	 impedance stabiliz provides a 50ohm/s measuring equipme 2. The peripheral device power through a Licoupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent emission, the relative the interface cables 	 provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. 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 			
Test Result:	PASS		Ũ		

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6.2.2. Test Instruments

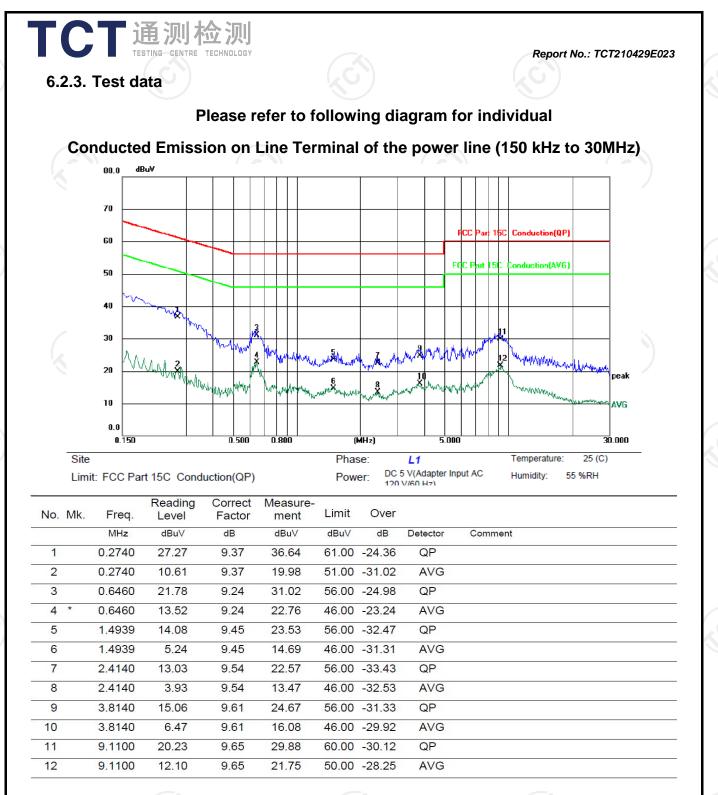
Conducted Emission Shielding Room Test Site (843)							
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Test Receiver	R&S	ESPI	101402	Jul. 27, 2021			
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 11, 2021			
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 02, 2021			
EMI Test Software	Shurple Technology	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).









Note:

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

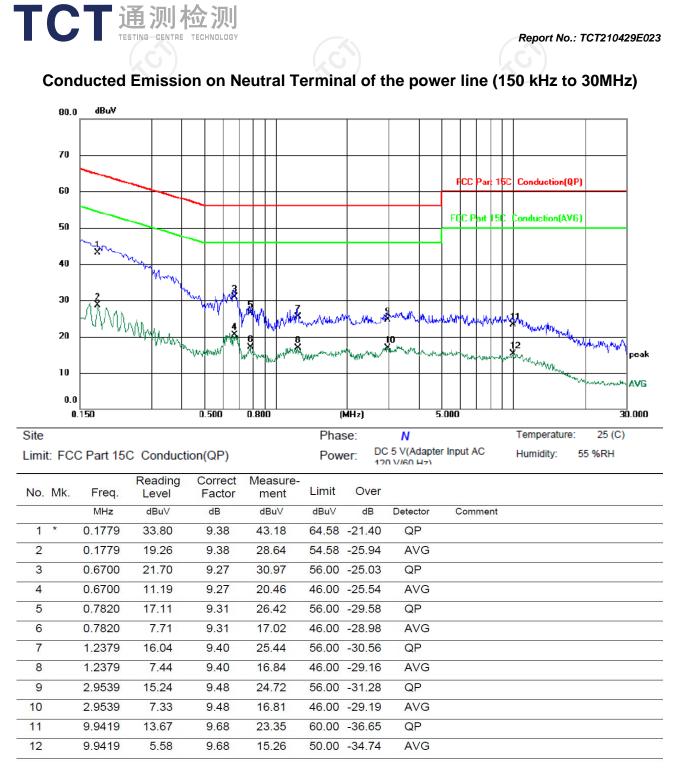
Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak

AVG =average

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

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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 AVG =average

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

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6.3. Conducted Output Power

6.3.1. Test Specification

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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, 2021
RF cable (9kHz-26.5GHz)	ТСТ	RE-06	N/A	Sep. 11, 2021
Antenna Connector	TCT	RFC-01	N/A	Sep. 11, 2021

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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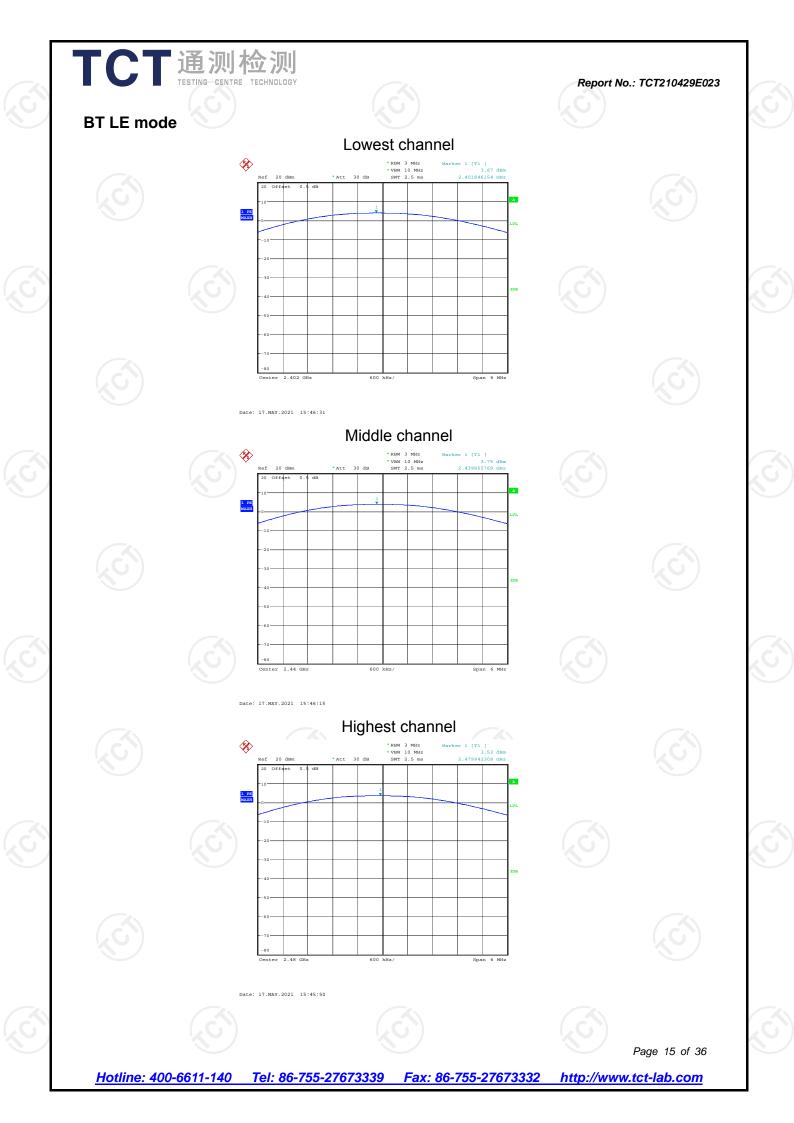
6.3.3. Test Data

Report	No.: T	CT2104	29E023

BT LE mode			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	3.87	30.00	PASS
Middle	3.75	30.00	PASS
Highest	3.52	30.00	PASS

Test plots as follows:







6.4.1. Test Specification

6.4. Emission Bandwidth

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

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2021
RF cable (9kHz-26.5GHz)	тст	RE-06	CN/A	Sep. 11, 2021
Antenna Connector	TCT	RFC-01	N/A	Sep. 11, 2021

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

ТСТ通测检测

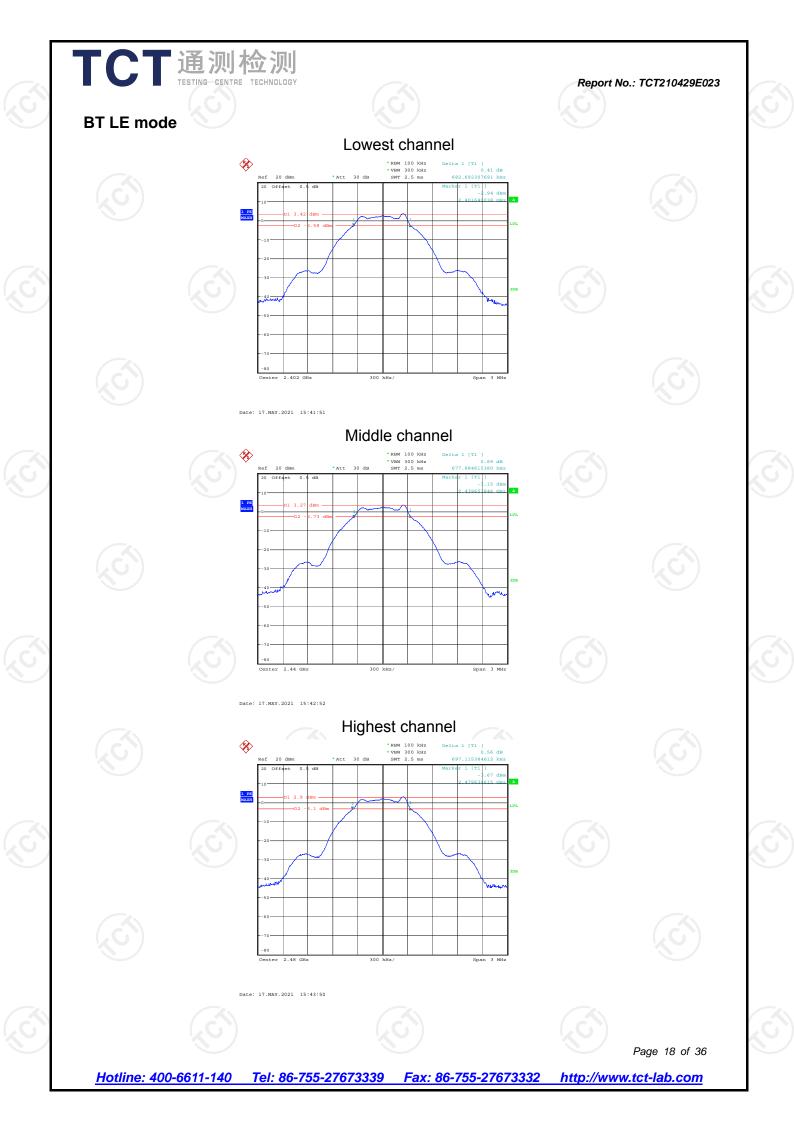
Report No.: TCT210429E023

6.4.3. Test data

Test channel	6dB Emission	Bandwidth (kHz))
Test channel	BT LE mode	Limit	Result
Lowest	682.69	>500k	
Middle	677.88	>500k	PASS
Highest	697.12	>500k	
Hignest	697.12	>500k	

Test plots as follows:

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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:	 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	Sep. 11, 2021
RF cable (9kHz-26.5GHz)	ТСТ	RE-06	N/A	Sep. 11, 2021
Antenna Connector	тст	RFC-01	N/A	Sep. 11, 2021

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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Test channel	Power Spectral D	ensity (dBm/3kH	łz)
Test channel	BT LE mode	Limit	Result
Lowest	-13.22	8 dBm/3kHz	
Middle	-13.15	8 dBm/3kHz	PASS
Highest	-13.65	8 dBm/3kHz	

Test plots as follows:



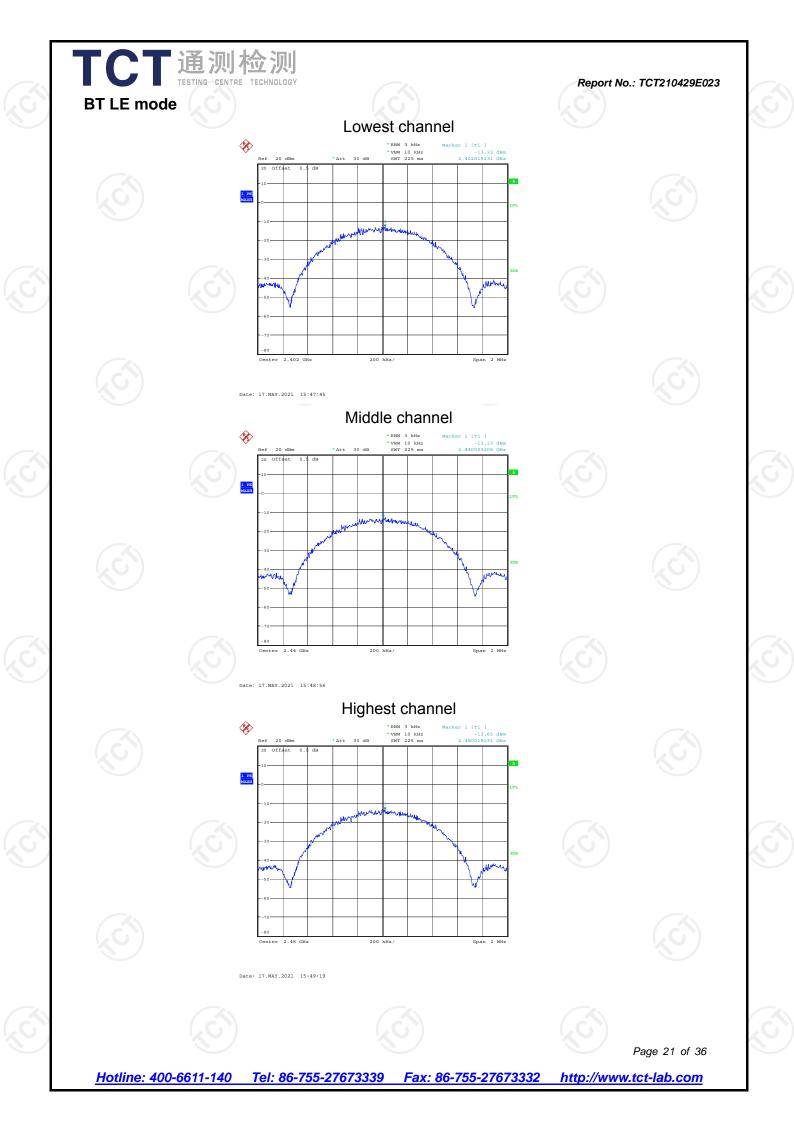






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6.7. Conducted Band Edge and Spurious Emission Measurement

6.7.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

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). 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.



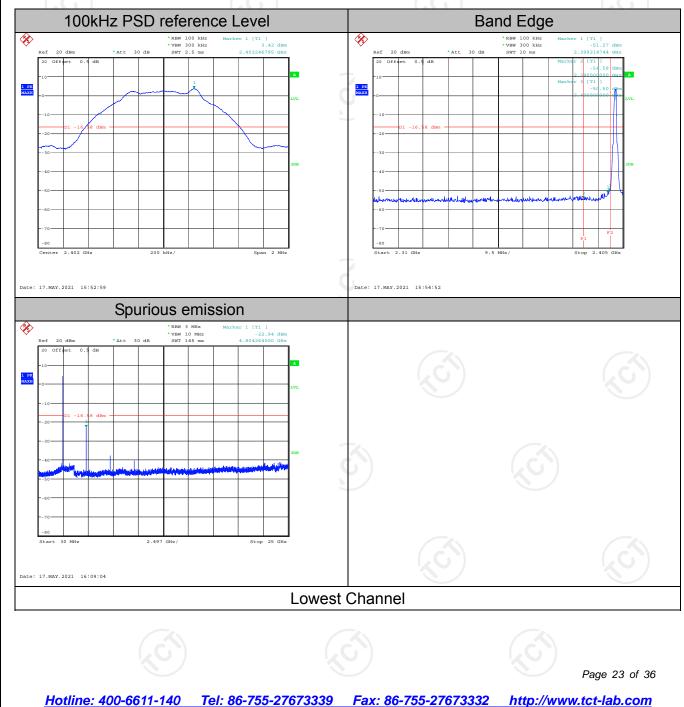


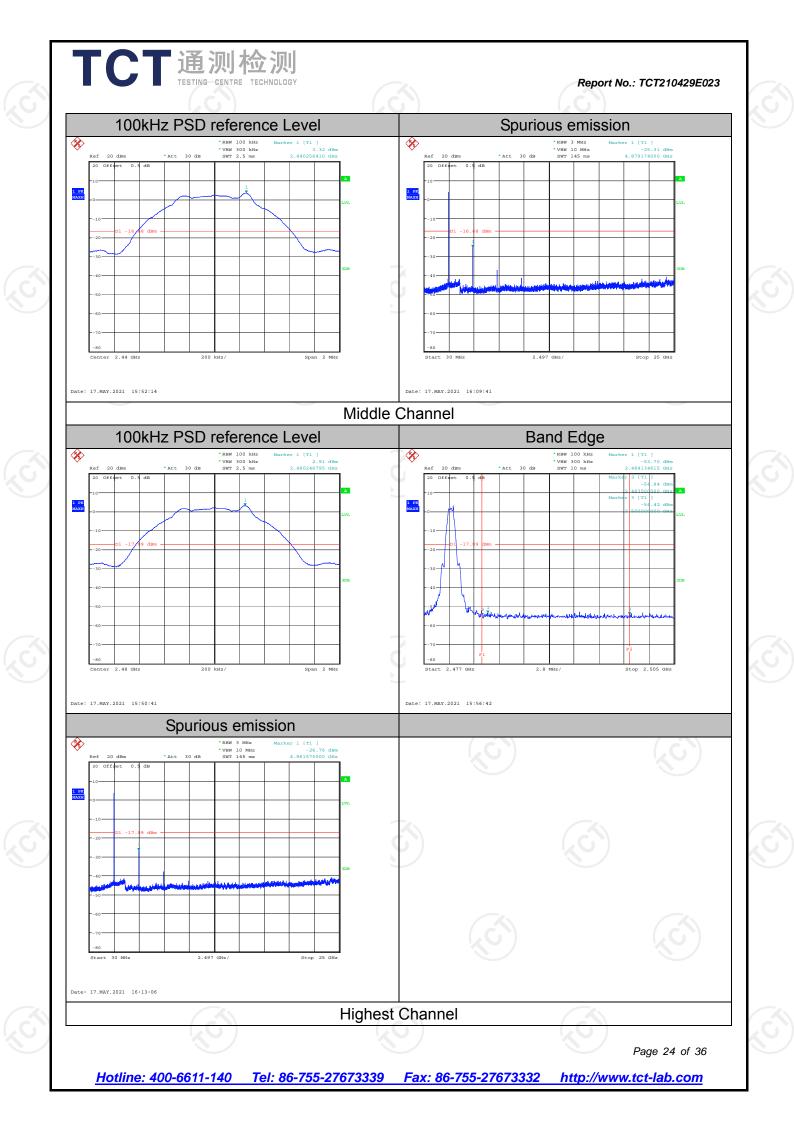
6.7.2. Test Instruments

RF Test Room										
Equipment	Manufacturer	Model	Serial Number	Calibration Due						
Spectrum Analyzer	R&S	FSU	200054	Sep. 11, 2021						
RF cable (9kHz-26.5GHz)	ТСТ	RE-06	N/A	Sep. 11, 2021						
Antenna Connector	ТСТ	RFC-01	N/A	Sep. 11, 2021						

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





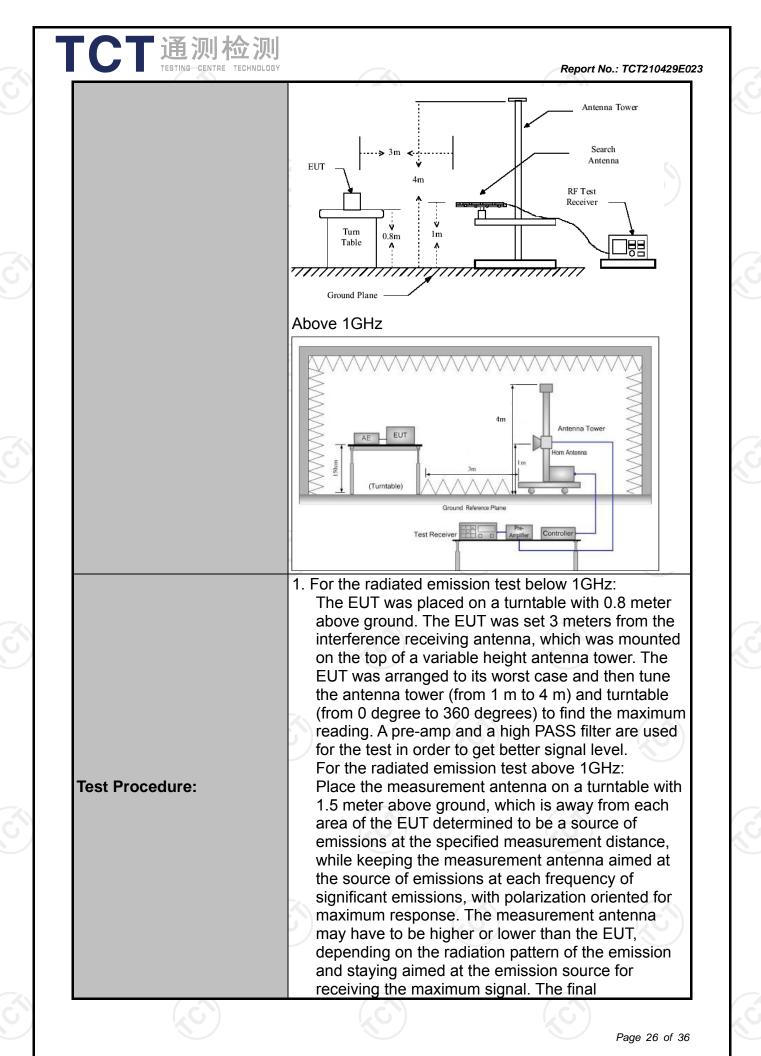
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6.8. Radiated Spurious Emission Measurement

6.8.1. Test Specification

TCT通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15	C Sectior	15.209			(2)	
Test Method:	ANSI C63.10): 2013					
Frequency Range:	9 kHz to 25 (GHz					
Measurement Distance:	3 m				1		
Antenna Polarization:	Horizontal &	Vertical		C)		
Operation mode:	Refer to item	ı 4.1					
	Frequency	Detector	RBW	VBW		Remark	
Receiver Setup:	9kHz- 150kHz 150kHz- 30MHz	Quasi-peal Quasi-peal		1kHz 30kHz	1	i-peak Value i-peak Value	
	30MHz-1GHz	Quasi-peal	k 120KHz	300KHz	Quas	i-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Pe	eak Value	
		Peak	1MHz	10Hz	Ave	erage Value	
	Frequen	ісу	Field Stro (microvolts	-		Measurement Distance (meters)	
	0.009-0.4	2400/F(KHz)		300			
	0.490-1.7	24000/F	(KHz)	30			
_imit:	1.705-3	30		30			
	30-88	100		3			
	88-216	<u> </u>		3			
Linnt.		216-960 Above 960				3	
		X	500 3				
	Frequency		Field Strength (microvolts/meter)		ment ice rs)	Detector	
	Above 1GHz	,	500	3		Average	
		-	5000	3		Peak	
	For radiated	emission	s below 30	OMHz			
	Distance = 3m Computer						
	Pre -Amplifier						
Test setup:	0.8m	Turn table	Im		teceiver		
	30MHz to 10		d Plane	L			



Report No.: TCT210429E0	
surement antenna elevation shall be that which imizes the emissions. The measurement enna elevation for maximum emissions shall be ricted to a range of heights of from 1 m to 4 m we the ground or reference ground plane. ected Reading: Antenna Factor + Cable Loss + d Level - Preamp Factor = Level	
neasurement below 1GHz, If the emission level le EUT measured by the peak detector is 3 dB er than the applicable limit, the peak emission I will be reported. Otherwise, the emission I surement will be repeated using the quasi-peak ector and reported.	
the following spectrum analyzer settings: span shall wide enough to fully capture the mission being measured; set RBW=120 kHz for f < 1 GHz; VBW \geq RBW; sweep = auto; Detector function = peak; Trace = hax hold;	
Set RBW = 1 MHz, VBW= 3MHz for f >1 GHz for eak measurement. average measurement: VBW = 10 Hz, when cycle is no less than 98 percent. VBW \geq 1/T, n duty cycle is less than 98 percent where T is minimum transmission duration over which the smitter is on and is transmitting at its maximum er control level for the tested mode of operation.	
section 4.1 for details	Test mode:
	Test results:
	(₂ G`)

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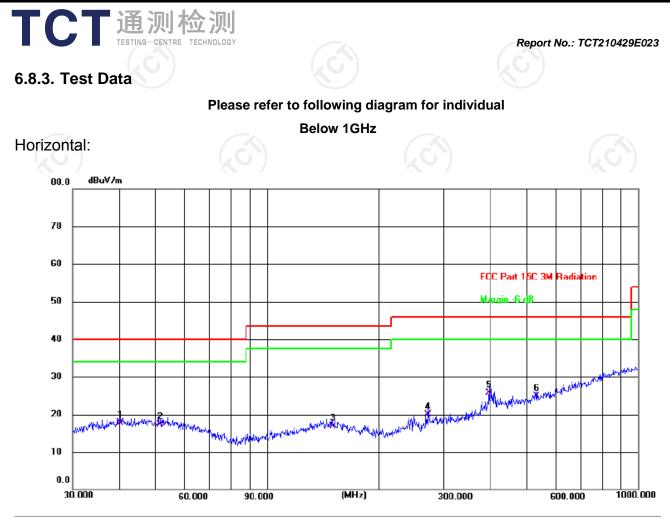
6.8.2. Test Instruments

	Radiated Em	ission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	ROHDE&SCHW ARZ	ESIB7	100197	Jul. 27, 2021
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ40	200061	Sep. 11, 2021
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 02, 2021
Pre-amplifier	HP	8447D	2727A05017	Sep. 02, 2021
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 05, 2022
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 04, 2022
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 04, 2022
Horn Antenna	A-INFO	LB-180400-KF	J211020657	Sep. 04, 2022
Antenna Mast	Keleto	RE-AM	N/A	N/A
Line-4	тст	RE-high-04	N/A	Sep. 02, 2021
Line-8	тст	RE-01	N/A	Jul. 27, 2021
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

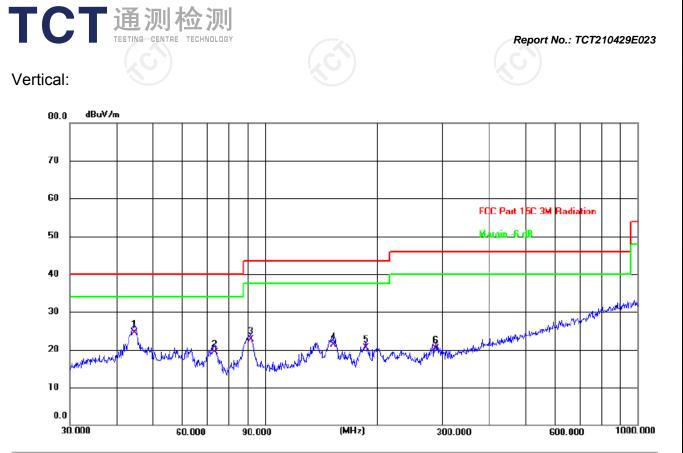
international system unit (SI).

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Site			Po	Polarization: Horizontal Temperature: 25(C)				
Limit: FC	C Part 15C 3M Rad	Po	Power: DC 3.7V			Humidity: 55 %		
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	40.2757	3.65	14.00	17.65	40.00	-22.35	QP	Р
2	51.4807	3.65	13.68	17.33	40.00	-22.67	QP	Р
3	150.0108	3.64	13.33	16.97	43.50	-26.53	QP	Р
4	272.2776	6.27	13.55	19.82	46.00	-26.18	QP	Р
5 *	396.2415	8.54	17.13	25.67	46.00	-20.33	QP	Р
6	531.9635	4.90	19.98	24.88	46.00	-21.12	QP	Р

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Site			Po	larization: Ve	rtical	Temperat	ture: 25(C))
Limit: FC	CC Part 15C 3M Rad	diation	Po	wer: DC 3.7V	-	Humidity:	55 %	
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	44.7433	10.61	13.90	24.51	40.00	-15.49	QP	Ρ
2	73.3593	8.87	10.51	19.38	40.00	-20.62	QP	Р
3	91.4949	13.20	9.41	22.61	43.50	-20.89	QP	Р
4	152.6641	7.99	13.35	21.34	43.50	-22.16	QP	Р
5	186.4409	9.53	10.98	20.51	43.50	-22.99	QP	Р
6	286.9823	6.31	14.04	20.35	46.00	-25.65	QP	Р
	1		/					

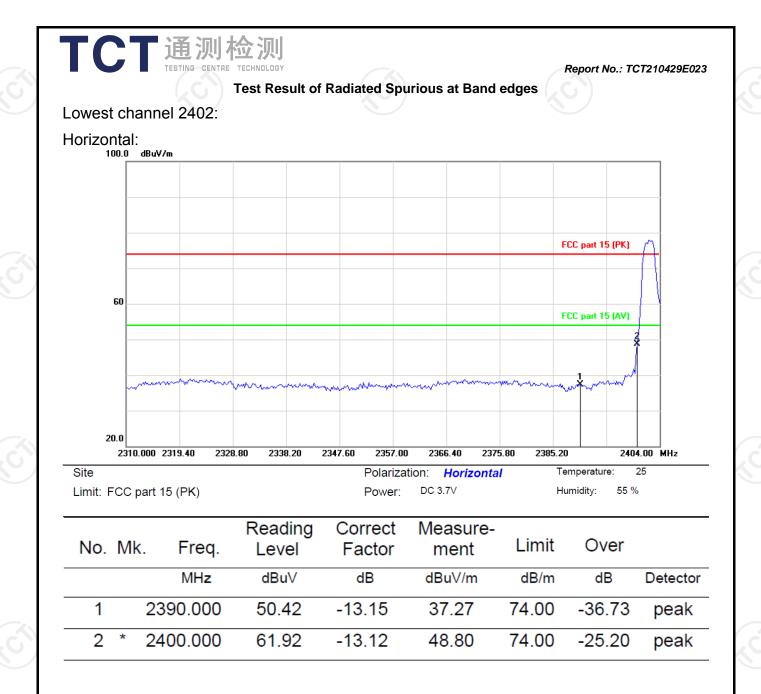
Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

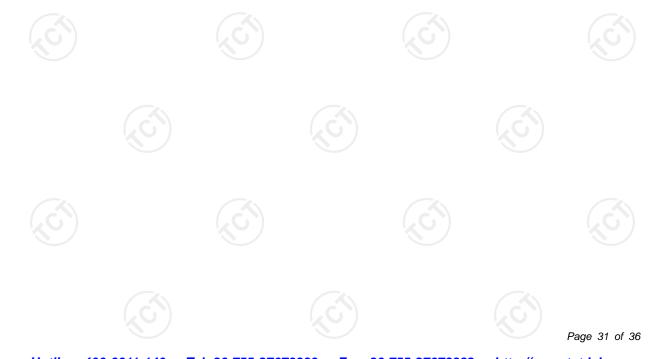
- 2. Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (lowest channel) was submitted only.
- Freq. = Emission frequency in MHz Measurement (dBμV/m) = Reading level (dBμV) + Corr. Factor (dB) Correction Factor= Antenna Factor + Cable loss – Pre-amplifier Limit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

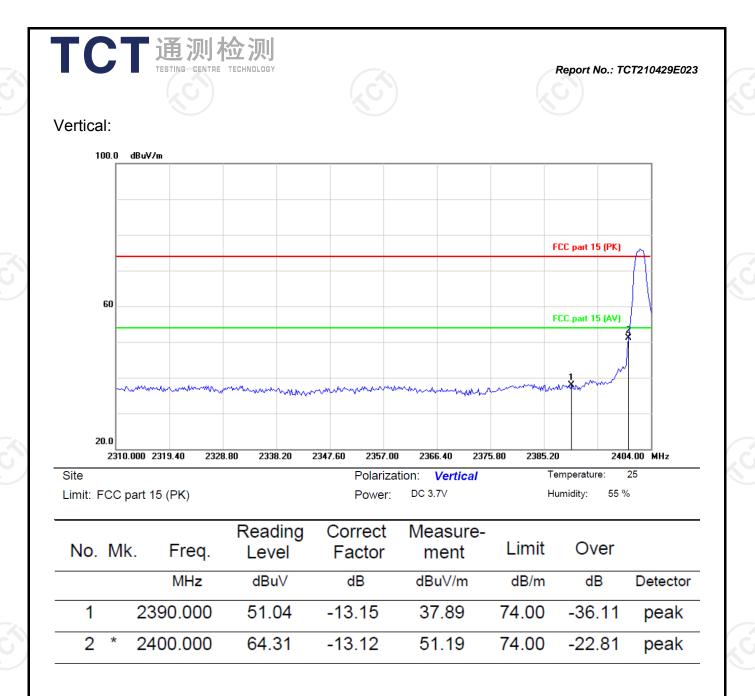
Any value more than 10dB below limit have not been specifically reported.

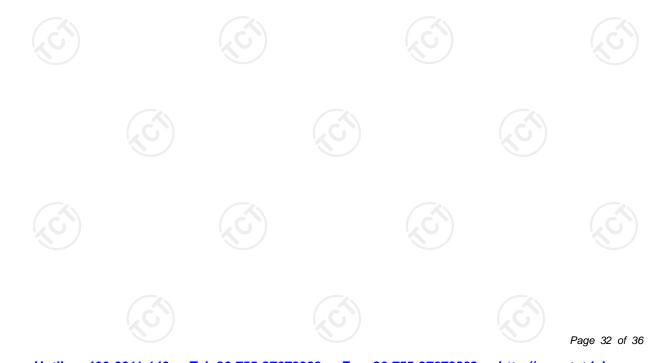
* is meaning the worst frequency has been tested in the test frequency range

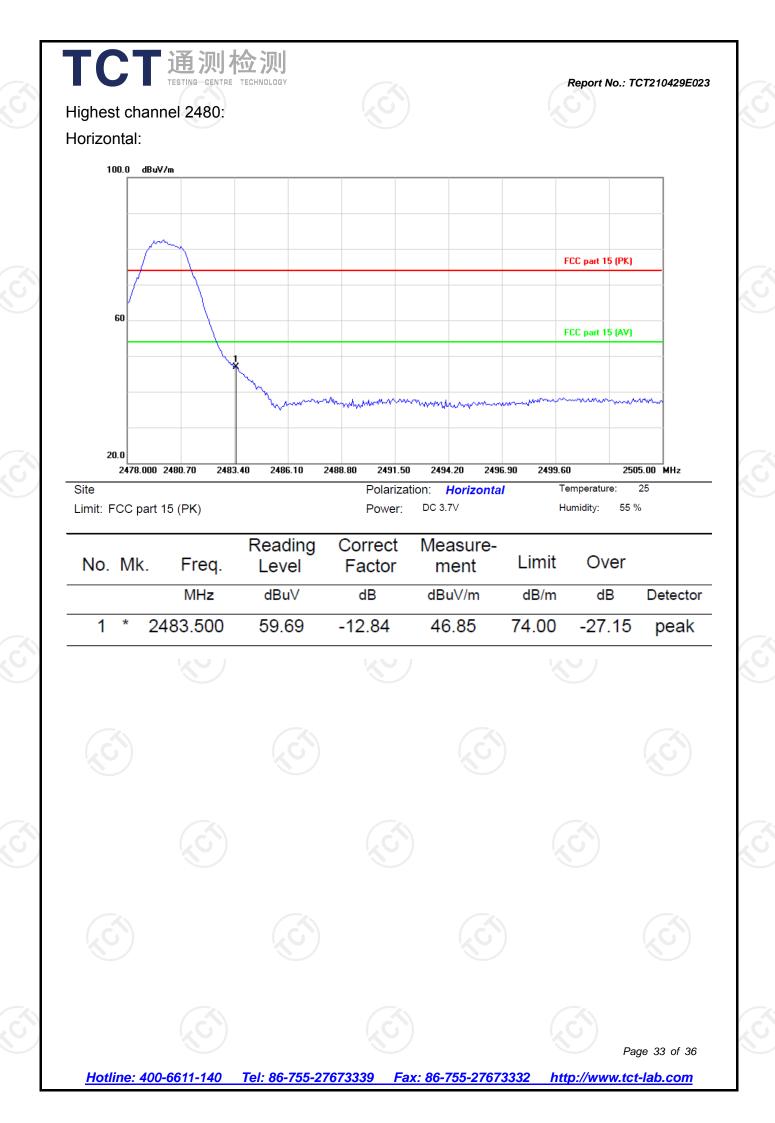
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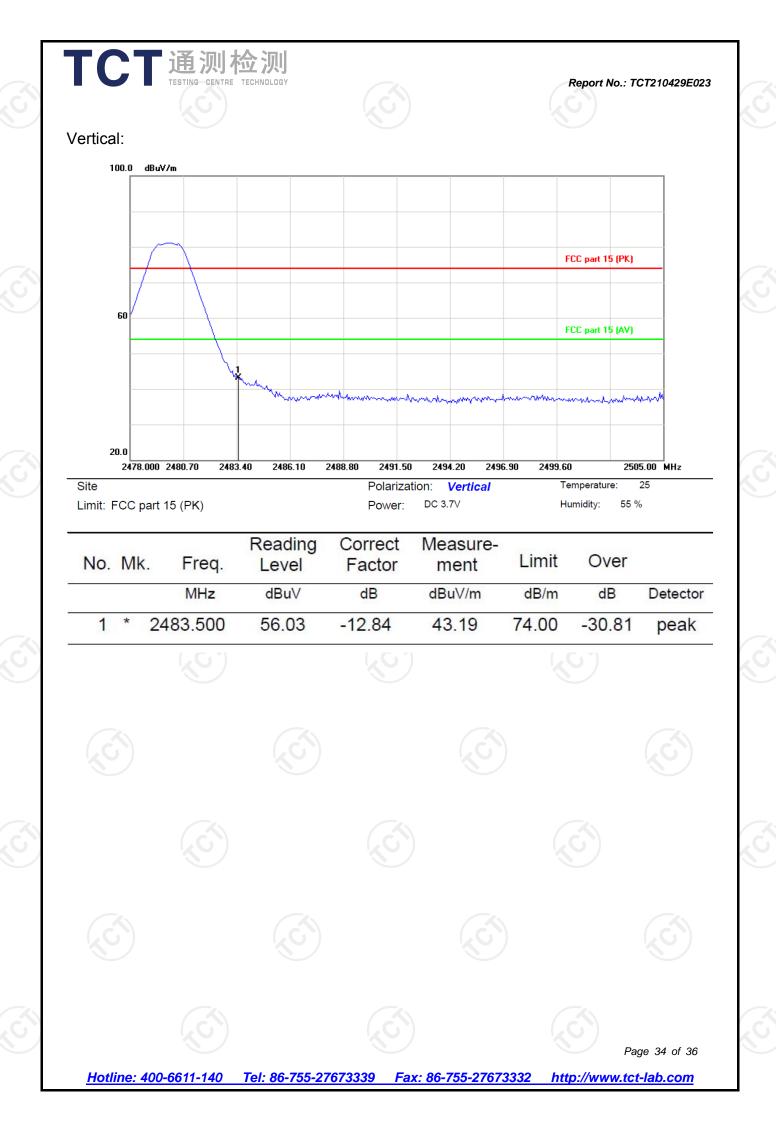












		则检》 CENTRE TECHNO					R	eport No.: T	0
				Above	1GHz				
hann	el: 2402 N	1Hz							
iency Hz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)		
04	Н	46.56		0.66	47.22		74	54	

4804	Н	46.56	 0.66	47.22	 74	54	-6.78
7206	Н	36.47	9.5	45.97	74	54	-8.03
	Н						
4804	V	45.35	 0.66	46.01	 74	54	-7.99
7206	V	37.82	 9.5	47.32	 74	54	-6.68
	V		 (×	 (×	

Margin

(dB)

Middle channel: 2440 MHz

Low cl

Frequ

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muule cha									
Frequency	Ant. Pol.	Peak	AV	Correction		on Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)		(dBuV/m)	(dBµV/m)	
4880	Н	45.96		0.66	46.62	-	74	54	-7.38
7320	Н	39.41	()	9.85	49.26	(\mathbf{G})	74	54	-4.74
	Н								
4880	V	44.22		0.66	44.88		74	54	-9.12
7320	V	38.44		9.85	48.29		74	54	-5.71
	V								

High channel: 2480 MHz

rign chanr	iei. 2480 iv	/162						
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)
4960	Н	46.99	I	1.33	48.32	 74	54	-5.68
7440	Н	38.53	() ()	10.22	48.75	74	54	-5.25
<u> </u>	Н							
4960	V	45.18		1.33	46.51	 74	54	-7.49
7440	V	37.67		10.22	47.89	 74	54	-6.11
	V			(<u> </u>	

Note:

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

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

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.

Data of measurement shown "----"in the above table mean that the reading of emissions is attenuated more than 20 dB 5. below the limits or the field strength is too small to be measured.

All the restriction bands are compliance with the limit of 15.209. 6.

