	と 灰リ chnology					
	TEST REPOR	RT				
FCC ID	2AAPK-LT-1582					
Test Report No::	TCT211122E018					
Date of issue:	Dec. 02, 2021					
Testing laboratory:	SHENZHEN TONGCE TESTIN	NG LAB				
Testing location/ address:		TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China				
Applicant's name: :	Shenzhen Kingsun Enterprises					
Address:	25/F, CEC Information Building, Xinwen Rd., Shenzhen, Guangdong, 518034 China					
Manufacturer's name :	Shenzhen chaoqili Photoelectr	Shenzhen chaoqili Photoelectric Technology Co., Ltd				
Address:	6th floor, C East, Yushan No.3 Industrial Park, No.19 Guangming Road, Shiyan street, Bao'an District, Shenzhen City, Guangdong Province, China					
Standard(s):	FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013					
Test item description :	Mostser car fiber optical 4pk					
Trade Mark:	N/A					
Model/Type reference :	LT-1582, MLB7-2016-RGB, XL	_B7-2016				
Rating(s):	DC 12V	S				
Date of receipt of test item	Nov. 22, 2021					
Date (s) of performance of test:	Nov. 22, 2021 ~ Dec. 02, 2021					
Tested by (+signature) :	Aaron Mo					
Check by (+signature) :	Beryl Zhao					
Approved by (+signature):	Tomsin	Toms is				

#### General disclaimer:

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## **1. General Product Information**

## 1.1. EUT description

Test item description:	Mostser car fiber optical 4pk	$(\mathbf{C}^{\mathbf{A}})$		$(c^{*})$
Model/Type reference:	LT-1582			
Sample Number:	TCT211122E018-0101			
Bluetooth Version:	V4.2		S S	
Operation Frequency:	2402MHz~2480MHz			
Channel Separation:	2MHz			
Number of Channel:	40			
Modulation Type:	GFSK			
Antenna Type:	PCB Antenna			
Antenna Gain:	1dBi			
Rating(s):	DC 12V	KC)		

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

## 1.2. Model(s) list

No.	Model No.	Tested with
	LT-1582	$\boxtimes (\bigcirc)$
Other models	MLB7-2016-RGB, XLB7-2016	

Note: LT-1582 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of LT-1582 can represent the remaining models.

## 1.3. Operation Frequency

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
<b>O</b> )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, 19 & 39 have been tested.

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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.

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# 

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# 3. General Information

## 3.1. Test environment and mode

Operating Environment:				
Condition	Conducted Emission	Radiated Emission		
Temperature:	25.0 °C	25.3 °C		
Humidity:	55 % RH	51 % RH		
Atmospheric Pressure:	1010 mbar	1010 mbar		
Test Software:				
Software Information:	BK32xx RF Test_V1.8.2			
Power Level:	3			
Test Mode:	· · · · · · · · · · · · · · · · · · ·			
	Keen the EUT is continuous transmitting by calent			

Engineering mode:Keep the EUT in continuous transmitting by select<br/>channel and modulationsThe sample was placed 0.8m & 1.5m for the measurement below & above 1GHz

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.

## 3.2. 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
Adapter	JD-050200	2012010907576735		JD

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.

# 4. Facilities and Accreditations

### 4.1. 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 testing lab 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
  - SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

## 4.2. 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

### 4.3. 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	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB



#### 5. Test Results and Measurement Data

## 5.1. 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 1dBi. Antenna



### 5.2. Conducted Emission

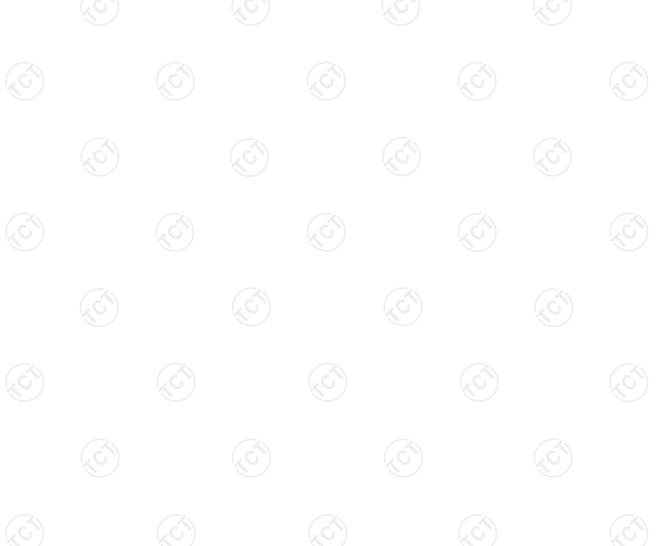
#### 5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=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		
	Refere	nce Plane			
Test Setup:	E.U.T Adap Test table/Insulation pla Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Test table height=0.8m	ne			
Test Mode:	Refer to item 3.1				
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 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>				
	conducted interferent emission, the relative the interface cables	nce. In order to fir e positions of equ s must be chang	nd the maximun ipment and all c ed according to		



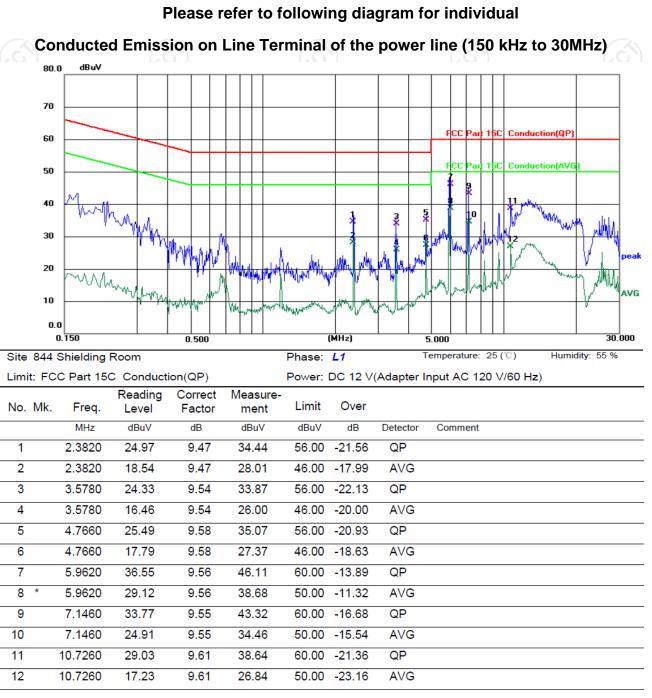
#### 5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
EMI Test Receiver	R&S	ESCI3	100898	Jul. 07, 2022				
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Mar. 11, 2022				
Line-5	ТСТ	CE-05	N/A	Jul. 07, 2022				
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A				



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#### 5.2.3. Test data



#### Note:

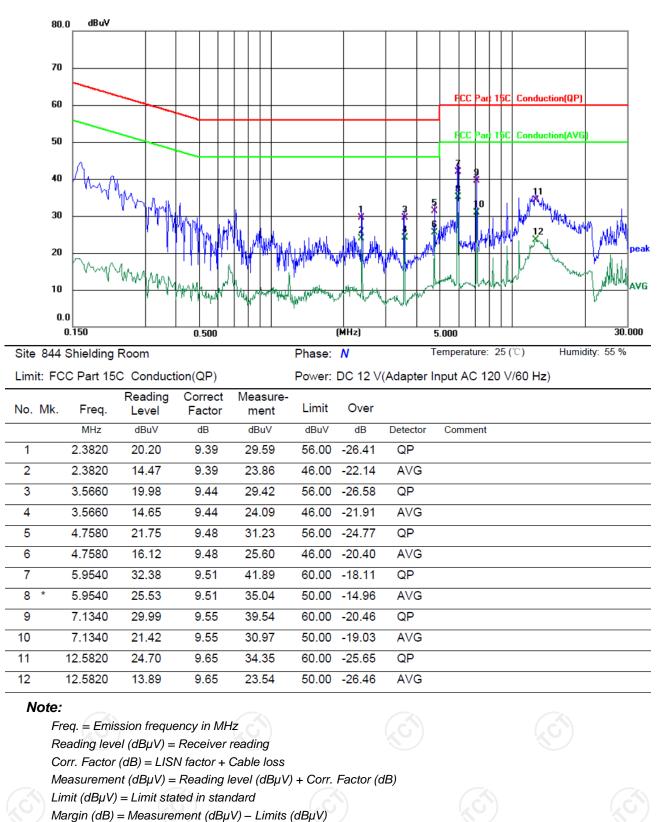
Freq. = Emission frequency in MHz

- 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 $\mu$ 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



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

TCT通测检测 TCT通测检测

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

Q.P. =Quasi-Peak AVG =average



## 5.3. Conducted Output Power

#### 5.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)					
Test Method:	KDB 558074 D01 v05r02					
Limit:	30dBm					
Test Setup:						
Test Mode:	Refer to item 3.1					
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					

#### 5.3.2. Test Instruments

Name	Manufacturer	ufacturer Model No. Serial N		<b>Calibration Due</b>	
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022	
Combiner Box	ombiner Box Ascentest		N/A	Jul. 07, 2022	





## 5.4. Emission Bandwidth

#### 5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.247 (a)(2)	No.
Test Method:	KDB 558074 D01 v05r	02	
Limit:	>500kHz	3	
Test Setup:	Spectrum Analyzer	EUT	
Test Mode:	Refer to item 3.1		
Test Procedure:	<ol> <li>Set to the maximum EUT transmit contin</li> <li>Make the measurem resolution bandwidt</li> <li>Video bandwidth (V an accurate measu be greater than 500</li> <li>Measure and record</li> </ol>	nuously. hent with the spe h (RBW) = 100 BW) = 300 kHz rement. The 6d ) kHz.	ectrum analyzer's kHz. Set the . In order to make B bandwidth must
Test Result:	PASS	3	

## 5.4.2. Test Instruments

Name	Name Manufacturer		Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022



## 5.5. Power Spectral Density

#### 5.5.1. 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					
Test Mode:	Refer to item 3.1					
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					

#### 5.5.2. Test Instruments

Name	Manufacturer	acturer Model No. Ser		Calibration Due		
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022		
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022		

# 

## 5.6. Conducted Band Edge and Spurious Emission Measurement

#### 5.6.1. 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 3.1
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 a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).</li> <li>Measure and record the results in the test report.</li> </ol>
	5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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5	.6.2. Test Instrum	ents	
	Name	Manufacturer	Model No.

Agilent

Ascentest

N9020A

AT890-RFB

Spectrum

Analyzer

**Combiner Box** 

Report No.: TCT211122E018

**Calibration Due** 

Jul. 18, 2022

Jul. 07, 2022

Serial Number

MY49100619

N/A

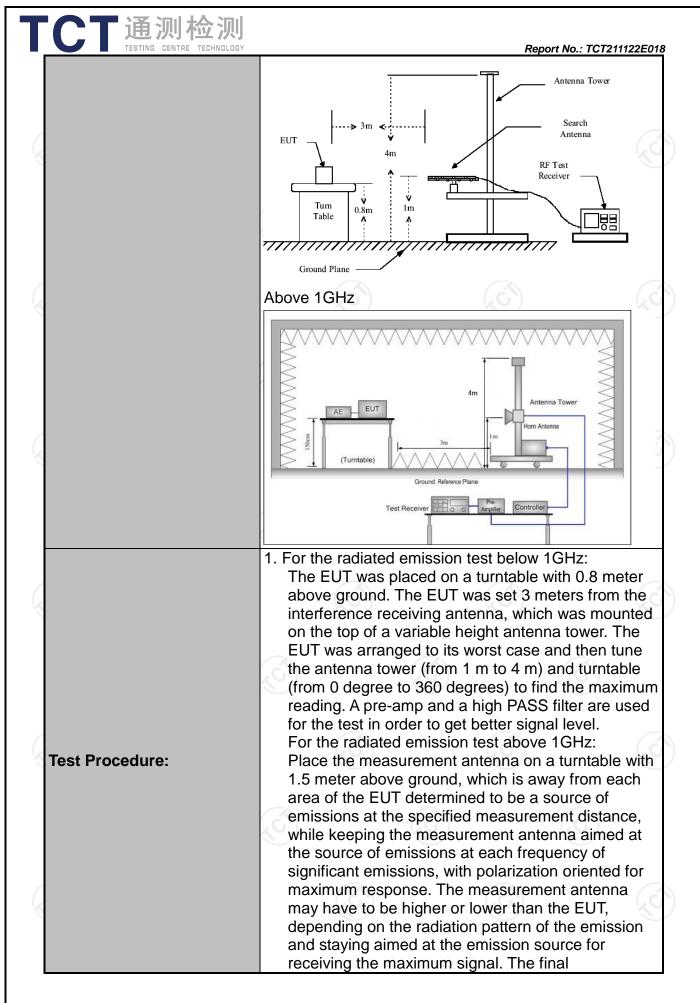
# 5.7. Radiated Spurious Emission Measurement

#### 5.7.1. Test Specification

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15 C Section 15.209								
Test Method:	ANSI C63.10	D: 2013							
Frequency Range:	9 kHz to 25 (	GHz							
Measurement Distance:	3 m	X	9						
Antenna Polarization:	Horizontal & Vertical								
Operation mode:	Refer to item 3.1								
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-peak Quasi-peak		VBW 1kHz 30kHz	Remark Quasi-peak Valu Quasi-peak Valu				
Receiver Setup:	<u>30MHz</u> 30MHz-1GHz	Quasi-peak	d	300KHz	Quasi-peak Valu				
	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz	Peak Value Average Value				
	Frequen		Field Stro (microvolts	/meter)	Measurement Distance (meters)				
	0.009-0.4		2400/F( 24000/F	,	300 30				
	1.705-3		30		30				
	30-88		100		3				
	88-216		150	3					
Limit:	216-96		200	3					
	Above 9	60	500	3					
	Frequency		Field Strength (microvolts/meter)		ment ce Detector rs)				
	Above 1GH	z	500 3						
	For radiated		5000 s below 30	)MHz	Peak				
	Distance = 3m								
Test setup:	Pre -Amplifier								
p-	C.Sm								
	30MHz to 10	Ground	I Plane	<b>~</b> )					

-



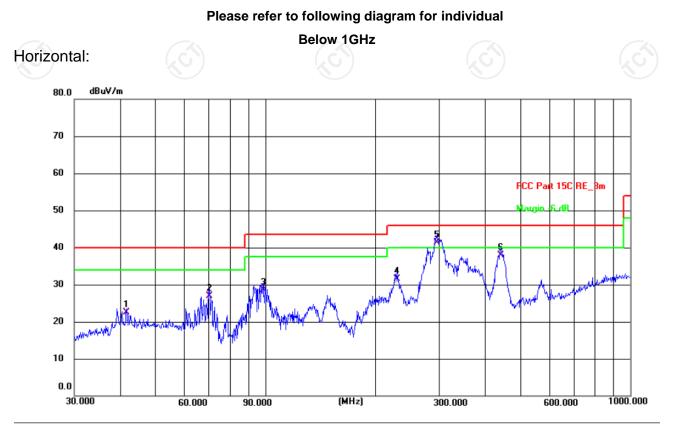
<b>CT</b> 通测检	: 沨リ
	<ul> <li>Report No.: TCT211122E0</li> <li>measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</li> <li>Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level</li> <li>For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.</li> <li>Use the following spectrum analyzer settings: <ul> <li>Set RBW=120 kHz for f &lt; 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;</li> <li>Set RBW = 1 MHz, VBW= 3MHz for f &gt; 1 GHz for peak measurement.</li> <li>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</li> </ul> </li> </ul>
	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

## 5.7.2. Test Instruments

Radiated Emission Test Site (966)								
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due				
EMI Test Receiver	R&S	ESIB7	100197	Jul. 07, 2022				
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 07, 2022				
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Mar. 11, 2022				
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Apr. 08, 2022				
Pre-amplifier	HP	8447D	2727A05017	Jul. 07, 2022				
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	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023				
Antenna Mast	Keleto	RE-AM	N/A	N/A				
Coaxial cable	SKET	RC_DC18G-N	N/A	Apr. 08, 2022				
Coaxial cable	SKET	RC-DC18G-N	N/A	Apr. 08, 2022				
Coaxial cable	SKET	RC-DC40G-N	N/A	Jul. 07, 2022				
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A				

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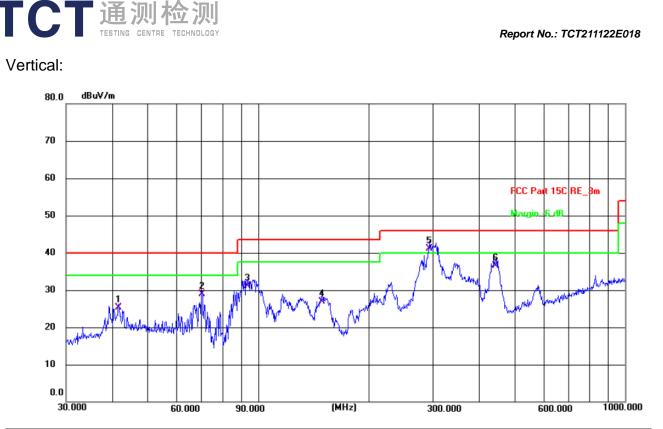
#### 5.7.3. Test Data



Site #	2				Polar	ization:	Horizo	ontal		Temperature	e: 25.3(C)
Limit:	FCC Part 150	C RE_3m			Powe	••	: 12 V(Ada ) V/60 Hz)	•	nput AC	Humidity:	51 %
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark		
1	41.7129	8.53	13.97	22.50	40.00	-17.50	QP	Ρ			
2	70.3365	15.86	11.04	26.90	40.00	-13.10	QP	Ρ			
3	98.8324	18.25	10.25	28.50	43.50	-15.00	QP	Ρ			
4	229.2930	19.44	12.06	31.50	46.00	-14.50	QP	Ρ			
5 *	295.1467	27.55	13.85	41.40	46.00	-4.60	QP	Ρ			
6	441.7425	19.75	18.15	37.90	46.00	-8.10	QP	Ρ			



Report No.: TCT211122E018



Site #	2				Polar	ization:	Vertic	al		Temperature	e: 25.3(C)
Limit: FCC Part 15C RE_3m Power: DC 12 V(Adapter Input AC 120 V/60 Hz)								Humidity:	51 %		
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark		
1	41.7129	11.33	13.97	25.30	40.00	-14.70	QP	Ρ			
2	70.3365	17.86	11.04	28.90	40.00	-11.10	QP	Ρ			
3	93.4402	21.47	9.63	31.10	43.50	-12.40	QP	Ρ			
4	149.4857	13.57	13.33	26.90	43.50	-16.60	QP	Ρ			
5 *	293.0842	27.31	13.89	41.20	46.00	-4.80	QP	Ρ			
6	443.2941	18.42	18.18	36.60	46.00	-9.40	QP	Ρ			

**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.

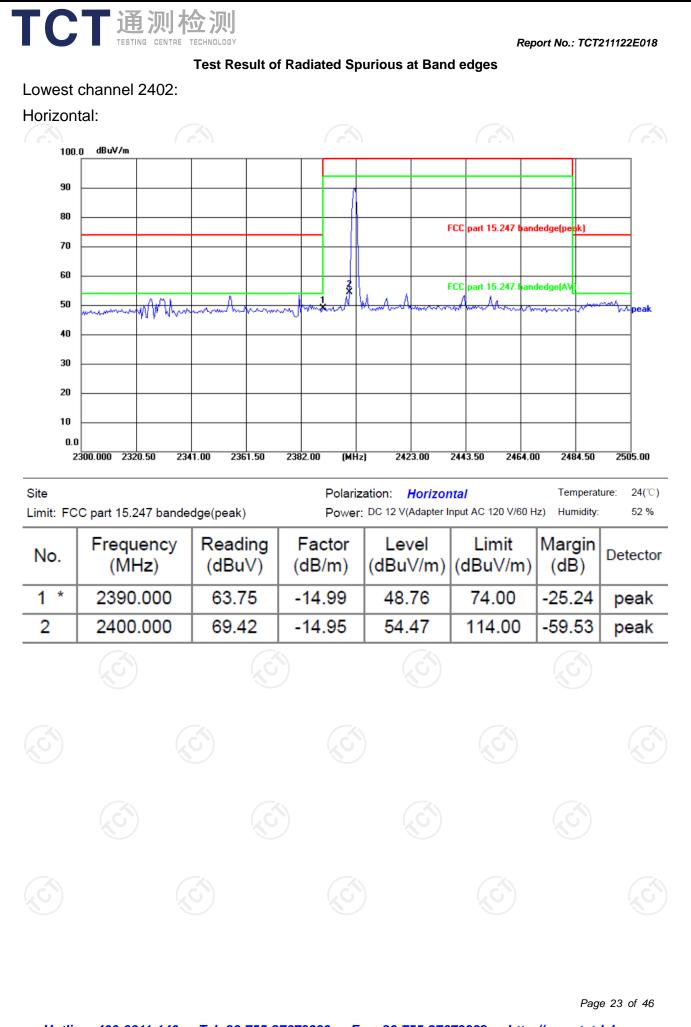
3. Freq. = Emission frequency in MHz

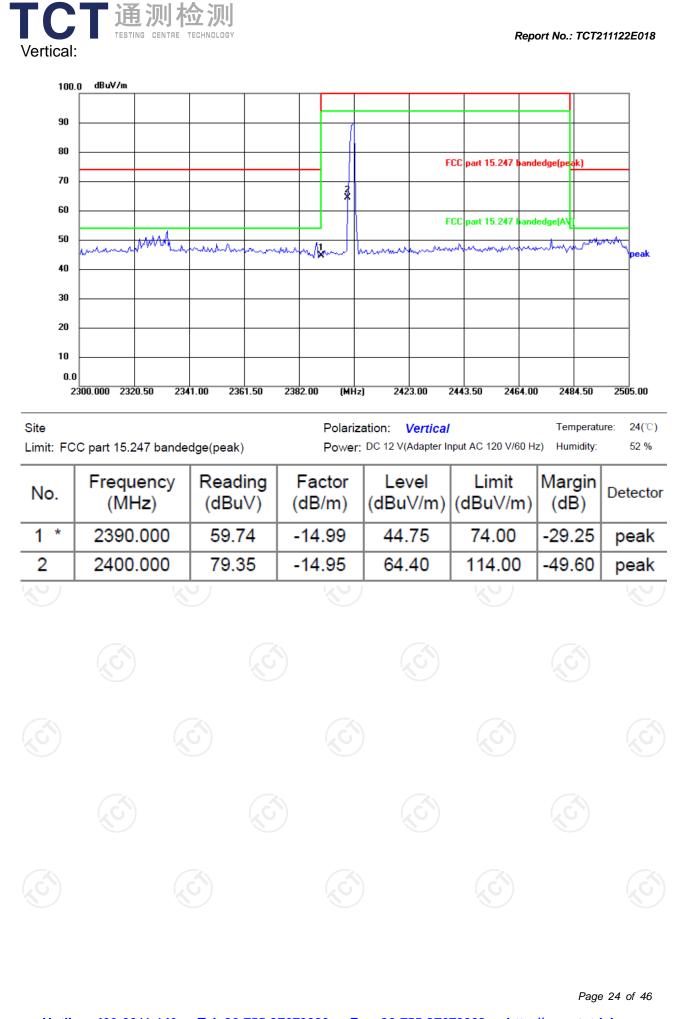
Measurement  $(dB\mu V/m) = Reading level (dB\mu V) + Corr. Factor (dB)$ Correction Factor= Antenna Factor + Cable loss – Pre-amplifier Limit (dB $\mu$ V/m) = Limit stated in standard

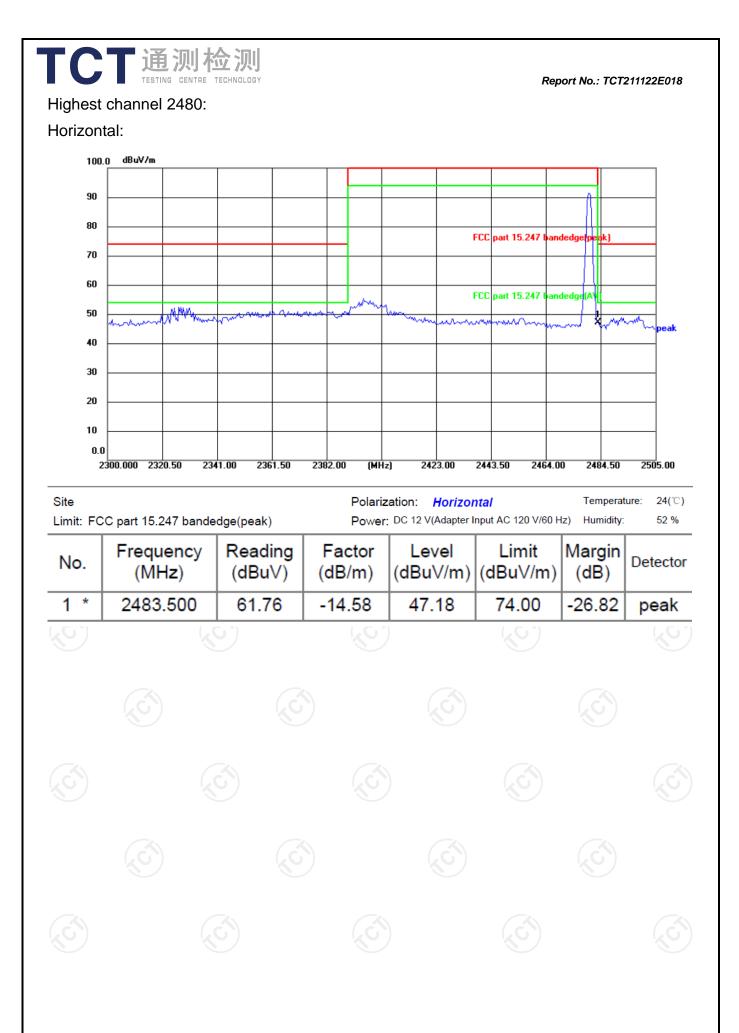
Margin (dB) = Measurement (dB $\mu$ V/m) – Limits (dB $\mu$ V/m)

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

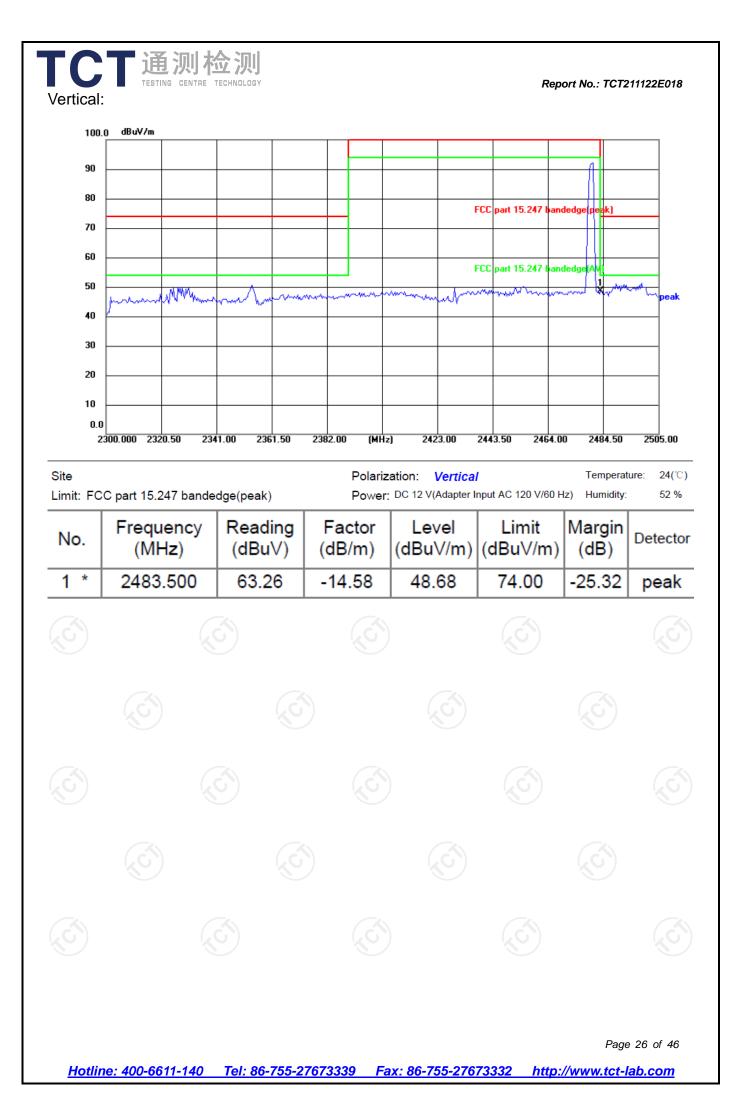
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#### Above 1GHz

Low channel: 2402 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Peak		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4804	Н	44.25		0.66	44.91		74	54	-9.09
7206	Н	35.47		9.50	44.97		74	54	-9.03
	Н								
4804	V	42.72		0.66	43.38		74	54	-10.62
7206	V	34.06		9.50	43.56	<u>v</u>	74	54	-10.44
	V					<u> </u>			

#### Middle channel: 2440 MHz

Frequency	Ant Pol	Peak	AV	Correction			Peak limit	AV limit	Margin
(MHz)	H/V	reading	reading	Factor	Peak	AV		(dBµV/m)	(dB)
(101112)	11/ V	(dBµV)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(abp v/m)	(abp v/m)	(ab)
4880	Н	42.22		0.99	43.21		74	54	-10.79
7320	Н	33.45		9.87	43.32		74	54	-10.68
	Н			·	(				
			K.	)					
4880	V	42.78	)	0.99	43.77	-	74	54	-10.23
7320	V	32.62		9.87	42.49		74	54	-11.51
	V								

#### High channel: 2480 MHz

Frequency	Ant Pol	Peak	AV (	Correction	Emission Level		Peak limit	AV/ limit	Margin
(MHz)	H/V	<ul> <li>reading reading Factor Peak A (dBμV) (dBμV) (dB/m) (dBμV/m) (dBμ</li> </ul>		AV		(dBµV/m)	(dB)		
4960	Н	45.96	-6.6	1.33	47.29		74	54	-6.71
7440	H	36.11		10.22	46.33		74	54	-7.67
	Н								
4960	V	45.16		1.33	46.49		74	54	-7.51
7440	V	34.74		10.22	44.96		74	54	-9.04
	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 $\mu$ V/m)-Average limit (dB $\mu$ V/m)

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.

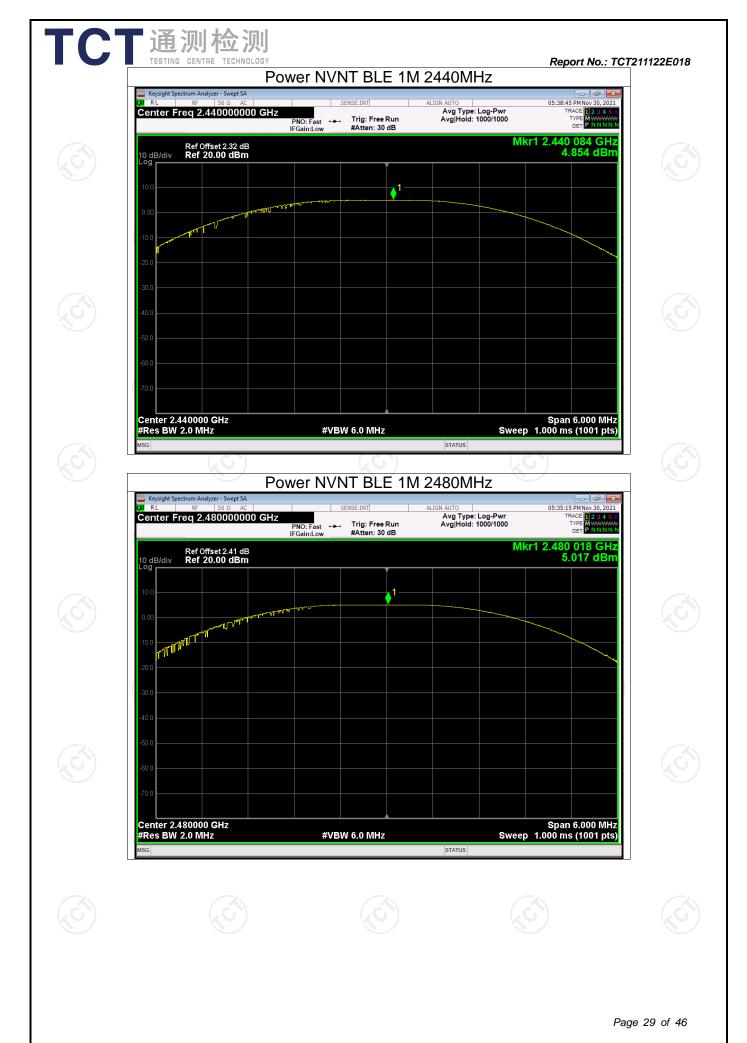
5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

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

### Appendix A: Test Result of Conducted Test Maximum Conducted Output Power

Condition	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict					
NVNT	2402	4.87	30	Pass					
NVNT	2440	4.85	30	Pass					
NVNT	2480	5.02	30	Pass					

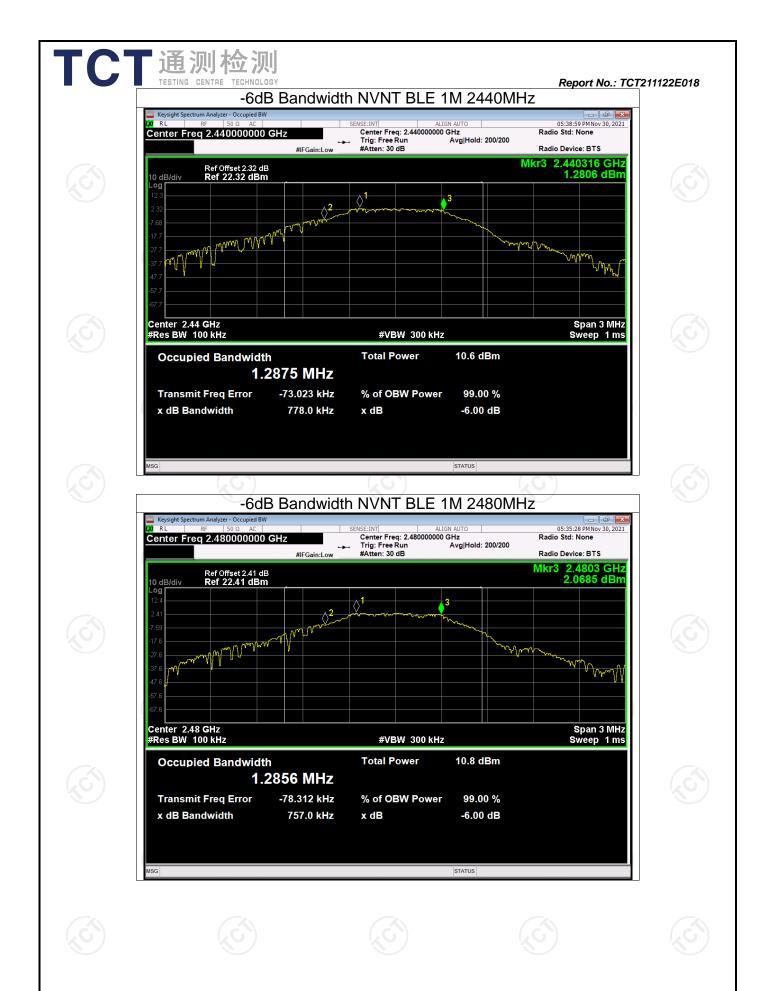




	Frequency	-6 dB Bandwidth	dth Limit -6 dB Bandwidth	
Condition	(MHz)	(MHz)	(MHz)	Verdict
NVNT	2402	0.772	0.5	Pass
NVNT	2440	0.778	0.5	Pass
NVNT	2480	0.757	0.5	Pass
Image: Center I           10 dB/div           Log           12.2           2.19           -7.81           -17.8           -37.8           -47.8           -67.8           -67.8           Center 1	Pectrum Analyzer - Occupied BW RF 50 Ω AC Freq 2.4020000000 GHz Ref Offset 2.19 dB Ref 22.19 dBm	Test Graphs andwidth NVNT BLE	ALIGN AUTO 05:29:36 PM Nov 30 000 GHz Avg Hold: 200/200 Radio Device: BTS Mkr3 2:402289 C 1.7782 d 3 4 4 4 4 4 4 4 4 4 4 4 4 4	0, 2021
	pied Bandwidth 1.325	6 MHz		
	mit Freq Error -9	7.250 kHz % of OBW Powe 772.2 kHz x dB	er 99.00 % -6.00 dB	
x dB l	mit Freq Error -9	7.250 kHz % of OBW Powe	-6.00 dB	3
x dB l	mit Freq Error -9	7.250 kHz % of OBW Powe	-6.00 dB	
x dB l	mit Freq Error -9	7.250 kHz % of OBW Powe	-6.00 dB	
x dB l	mit Freq Error -9	7.250 kHz % of OBW Powe	-6.00 dB	

TCT通测检测 TESTING CENTRE TECHNOLOGY

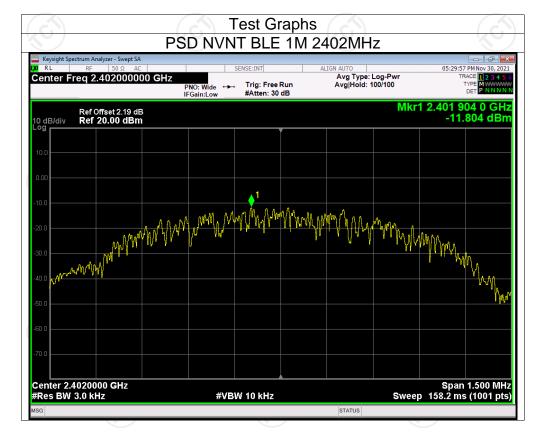
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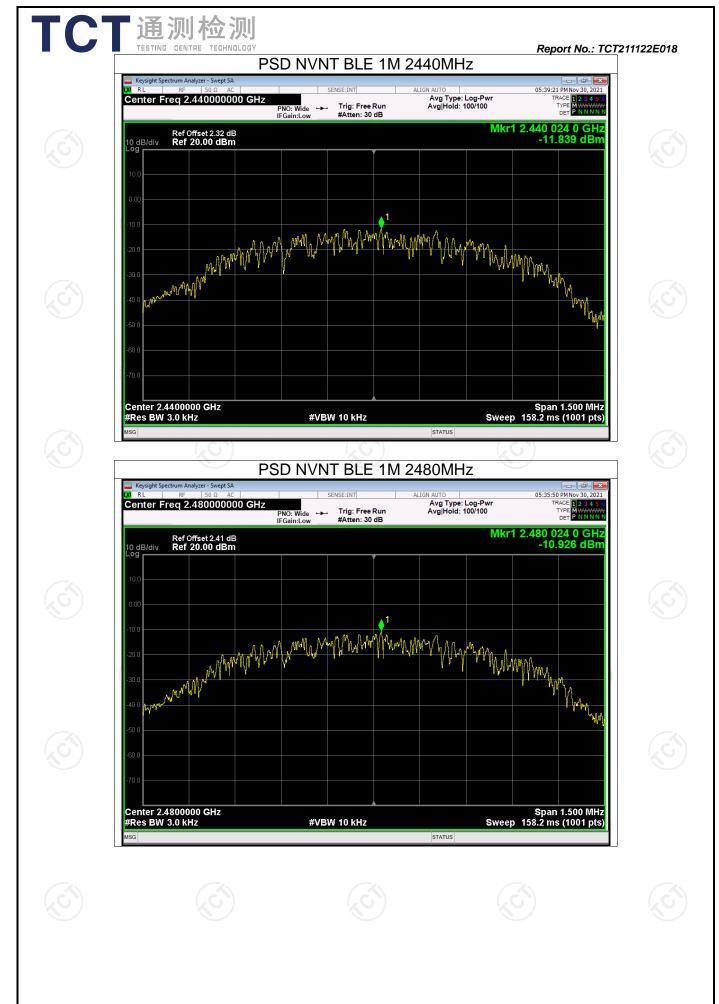
Condition	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2402	-11.80	8	Pass
NVNT	2440	-11.84	8	Pass
NVNT	2480	-10.93	8	Pass



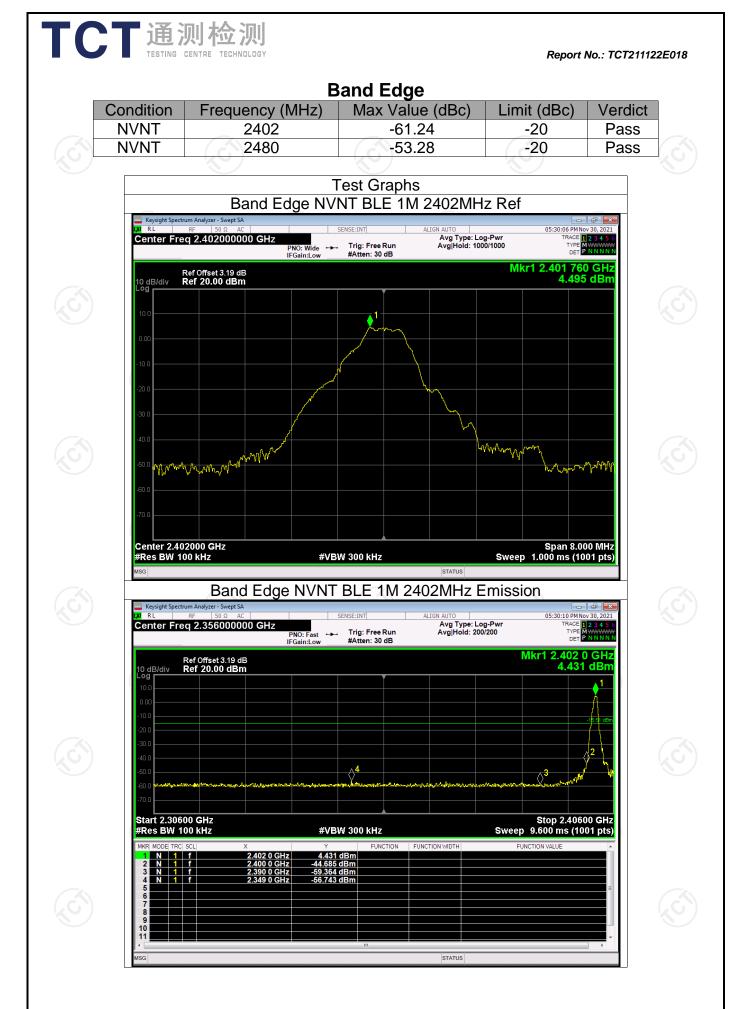
## **Maximum Power Spectral Density Level**

TCT通测检测 TESTING CENTRE TECHNOLOGY

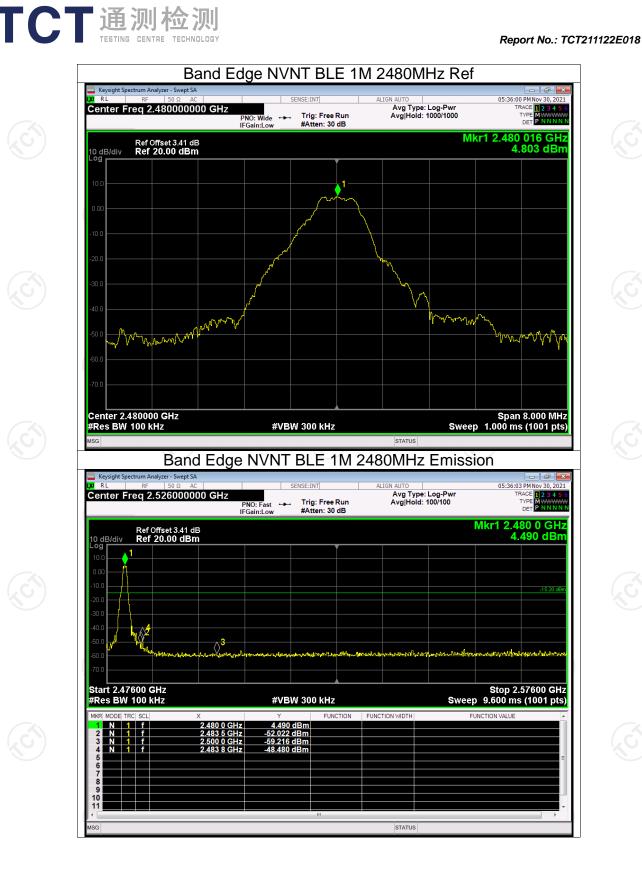
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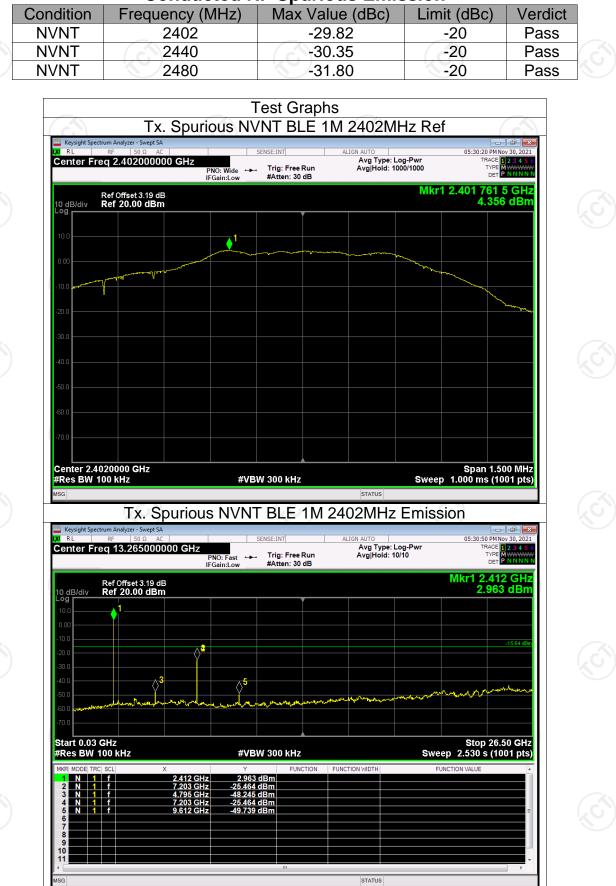
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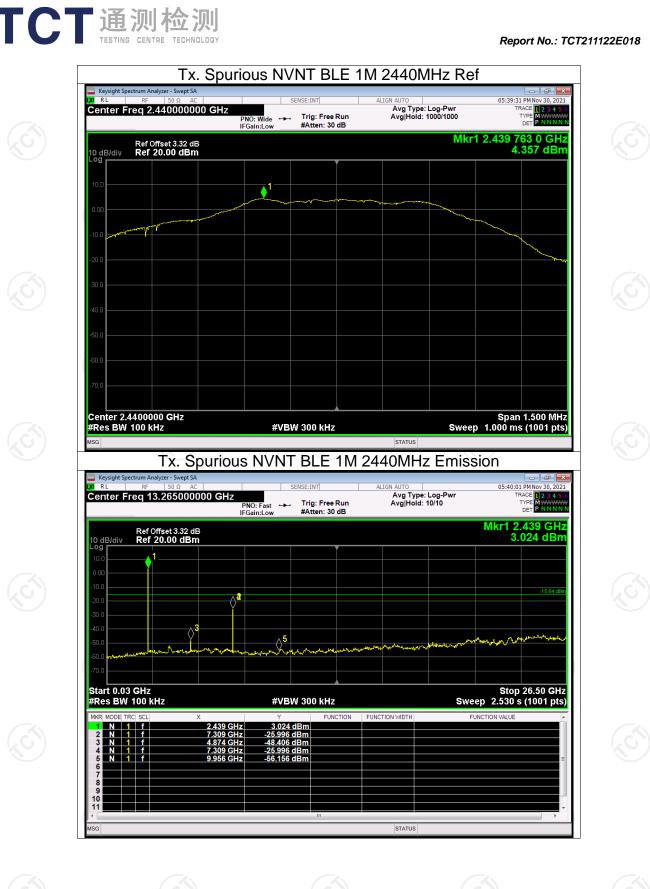


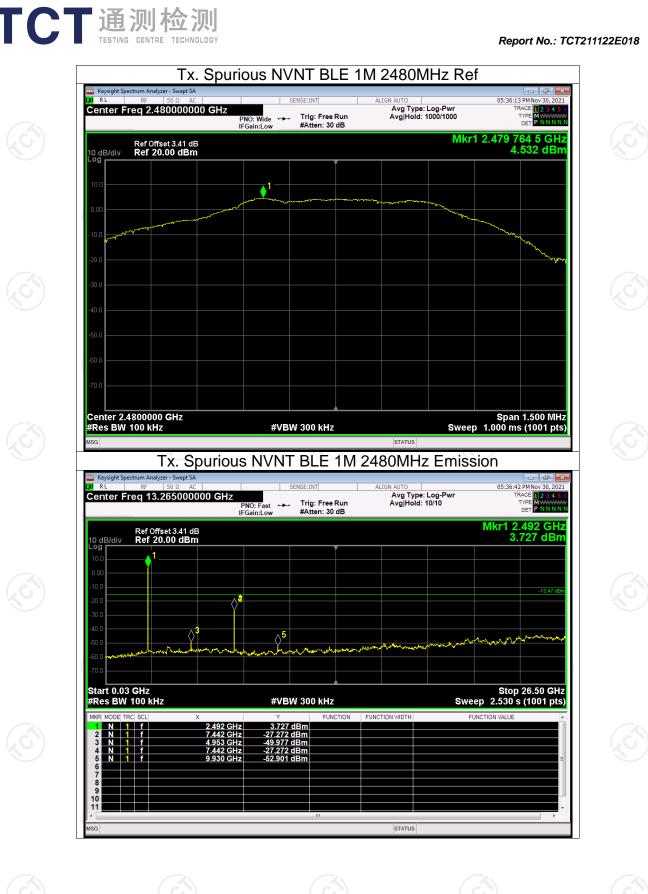
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#### **Conducted RF Spurious Emission**

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