TCT通测检 TCT通测检							
	TEST REPC	RT					
FCC ID	2ALNA-BTH15						
Test Report No:	TCT210715E030		(\mathcal{C})				
Date of issue:	Jul. 27, 2021						
Testing laboratory: :	SHENZHEN TONGCE TESTING LAB						
Testing location/ address: TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People Republic of China							
Applicant's name: :	Shenzhen Thousandshores	Technology Co., Ltd					
Address::	5/F, Chuangxin Building, Seven-star Creative Square, No.2North Alley, Chuangye 2nd Road, Bao'an Dis 28th, ShenZhen, 518000 China						
Manufacturer's name :	Shenzhen Thousandshores Technology Co., Ltd.						
Address:	5/F, Chuangxin Building, Seven-star Creative Square, No.2North Alley, Chuangye 2nd Road, Bao'an Dis 28th, ShenZhen, 518000 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 :	Wireless Headphones						
Trade Mark:	iclever						
Model/Type reference :	BTH15	(SC)					
Rating(s):	Rechargeable Li-ion Battery	0 DC 3.7V					
Date of receipt of test item	Jul. 15, 2021	<u>(</u>)	Ś				
Date (s) of performance of test:	See dates for each test case	e					
Tested by (+signature) :	Brews Xu	Brens Jone	ICE A				
Check by (+signature) :	Beryl Zhao	Bent than					
Approved by (+signature):	Tomsin	Tommes	84				

General disclaimer:

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TCT通测检测 TESTING CENTRE TECHNOLOGY

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1. General Product Information

1.1. EUT description

Test item description::	Wireless Headphones		
Model/Type reference:	BTH15		
Sample Number	TCT210715E030-0101		
Bluetooth Version:	V5.2	No.	
Operation Frequency:	2402MHz~2480MHz		
Transfer Rate:	1/2/3 Mbits/s		
Number of Channel:	79		
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK		
Modulation Technology:	FHSS		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi		S)
Rating(s):	Rechargeable Li-ion Battery DC	3.7V	
Remark:			

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

None.

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1.3. Operation Frequency

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
G`)1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
		·		·		U	
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
			S				S
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		-

Remark: Channel 0, 39 & 78 have been tested for GFSK, $\pi/4$ -DQPSK, 8DPSK modulation mode.



















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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)(1)	PASS
20dB Occupied Bandwidth	§15.247 (a)(1)	PASS
Carrier Frequencies Separation	§15.247 (a)(1)	PASS
Hopping Channel Number	§15.247 (a)(1)	PASS
Dwell Time	§15.247 (a)(1)	PASS
Radiated Emission	§15.205/§15.209	PASS
Band Edge	§15.247(d)	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.

3. General Information

3.1. 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 Software:		
Software Information:	BK32xx RF Test_V1.8.2	
Power Level:	3	
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. DH1 DH3 DH5 all have been tested , only worse case DH1 is reported.

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
	/	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, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, 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.

CT通测检测 TESTING CENTRE TECHNOLOGY Facilities and Accreditations 4.

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

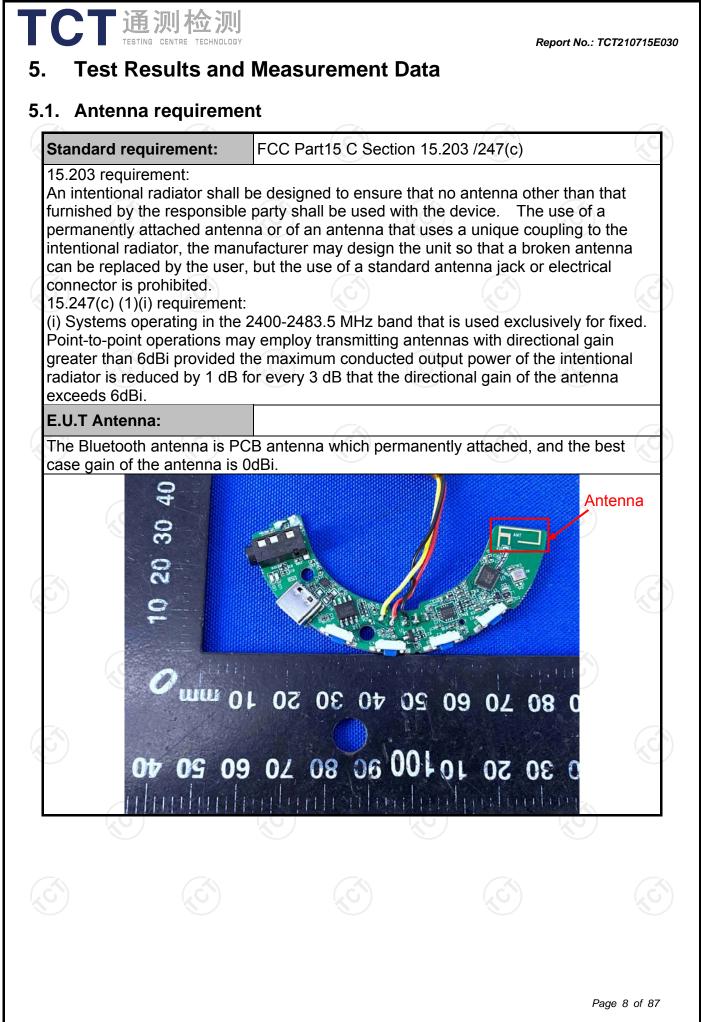
Address: TCT Testing Industrial Park Fugiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China

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





5.2. 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			
	Referenc	e Plane				
Test Setup:	E.U.T AC powe	r EMI Receiver	AC power			
	Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization N. Test table height=0.8m	etwork				
Test Mode:	E.U.T: Equipment Under Test LISN: Line Impedence Stabilization No Test table height=0.8m Refer to item 3.1					
	 E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Na Test table height=0.8m Refer to item 3.1 1. The E.U.T is connerimpedance stabilizing provides a 500hm/s measuring equipme 2. The peripheral device power through a Line coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent emission, the relative the interface cables 	cted to an adapte ation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm tern diagram of the line are checkence. In order to fin e positions of equ must be changed	(L.I.S.N.). Thi pedance for th ected to the mai a 500hm/50ul nination. (Pleas test setup an ed for maximur nd the maximur ipment and all o according to			
Test Mode: Test Procedure: Test Result:	 E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Na Test table height=0.8m Refer to item 3.1 1. The E.U.T is conner impedance stabiliz provides a 50ohm/s measuring equipme 2. The peripheral device power through a Li coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent emission, the relative 	cted to an adapte ation network 50uH coupling im nt. ces are also conne ISN that provides with 50ohm tern diagram of the line are checkence. In order to fin e positions of equ must be changed	(L.I.S.N.). Thi pedance for the ected to the mai a 500hm/50ul nination. (Please test setup and ed for maximur nd the maximur ipment and all of according to			

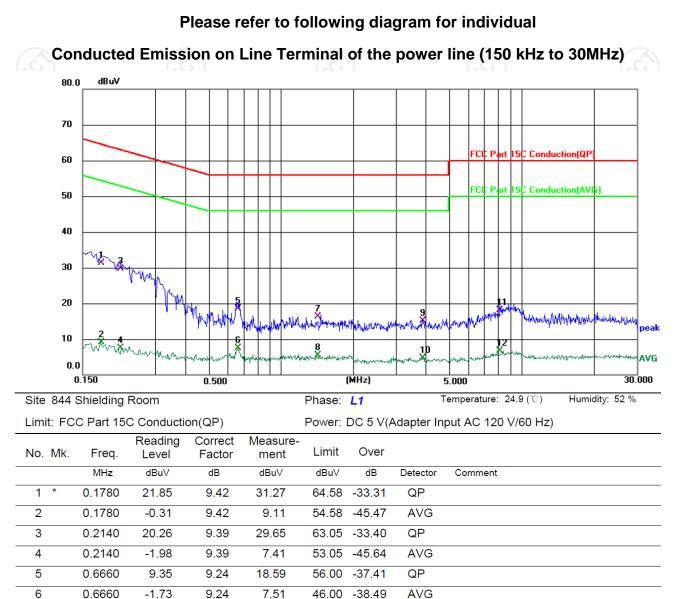


5.2.2. Test Instruments

Equipment	Manufacturer	r Model Serial Number Calibratio			
Test Receiver	R&S	ESCI3	100898	Jul. 27, 2021	
LISN-2	Schwarzbeck	NSLK 8126 8126453		Sep. 11, 2021	
Line-5	-5 TCT CE-05 N/A		📎 N/A	Sep. 02, 2021	
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A	

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5.2.3. Test data



Note:
_

7

8 9

10

11

12

1.4180

1.4180

3.8900

3.8900

8.1140

8.1140

6.87

-3.88

5.50

-4.98

8.49

-2.92

9.45

9.45

9.62

9.62

9.63

9.63

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

16.32

5.57

15.12

4.64

18.12

6.71

56.00

-39.68

46.00 -40.43

56.00 -40.88

46.00 -41.36

60.00 -41.88

50.00 -43.29

QP

AVG

QP

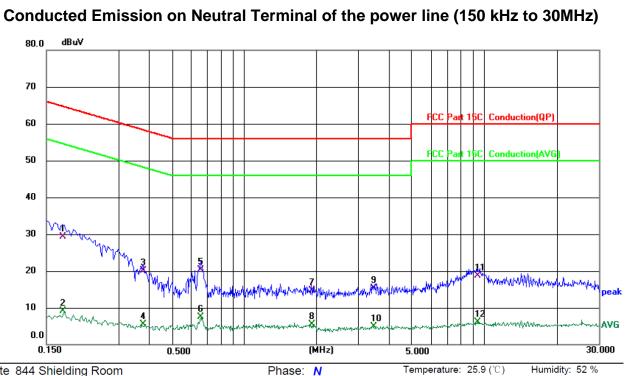
AVG

QP

AVG

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

Report No.: TCT210715E030



Site 844 Shielding Room

Limit: FCC Part 15C Conduction(QP)

Power: DC 5 V(Adapter Input AC 120 V/60 Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1739	19.94	9.42	29.36	64.77	-35.41	QP	
2		0.1739	-0.38	9.42	9.04	54.77	-45.73	AVG	
3		0.3780	10.85	9.29	20.14	58.32	-38.18	QP	
4		0.3780	-3.85	9.29	5.44	48.32	-42.88	AVG	
5		0.6580	11.10	9.24	20.34	56.00	-35.66	QP	
6		0.6580	-1.78	9.24	7.46	46.00	-38.54	AVG	
7		1.9059	5.19	9.50	14.69	56.00	-41.31	QP	
8		1.9059	-3.92	9.50	5.58	46.00	-40.42	AVG	
9		3.4620	5.63	9.60	15.23	56.00	-40.77	QP	
10		3.4620	-4.64	9.60	4.96	46.00	-41.04	AVG	
11		9.4420	9.15	9.65	18.80	60.00	-41.20	QP	
12		9.4420	-3.59	9.65	6.06	50.00	-43.94	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 AVG =average

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

Note2:

Measurements were conducted in all three channels (high, middle, low) and three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (Highest channel and 8DPSK) was submitted only.

Report No.: TCT210715E030



5.3. Conducted Output Power

5.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(1)
Test Method:	KDB 558074 D01 v05r02
Limit:	Section 15.247 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.
Test Setup:	
Test Mode:	Spectrum Analyzer Eur Transmitting mode with modulation Contract of the second secon
Test Procedure:	Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth centered on a hopping channel RBW > the 20 dB bandwidth of the emission being measured VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.
Test Result:	PASS

5.3.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021

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5.4. 20dB Occupy Bandwidth

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)			
Test Method:	KDB 558074 D01 v05r02			
Limit:	N/A			
Test Setup:	Spectrum Analyzer EUT			
Test Mode:	Transmitting mode with modulation			
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. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤RBW≤5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report. 			
Test Result:	PASS			

5.4.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021

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5.5. Carrier Frequencies Separation

5.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	KDB 558074 D01 v05r02
Limit:	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz of the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Hopping mode
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. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report.
Test Result:	PASS (C)

5.5.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021

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5.6. Hopping Channel Number

5.6.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	KDB 558074 D01 v05r02
Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.
Test Setup:	
	Spectrum Analyzer EUT
Test Mode:	Hopping mode
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. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = the frequency band of operation; set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. The number of hopping frequency used is defined as the number of total channel. Record the measurement data in report.
Test Result:	PASS

5.6.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021
	(\mathcal{O})	(\mathcal{O})	(\mathbf{c})	6

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5.7. Dwell Time

5.7.1. Test Specification

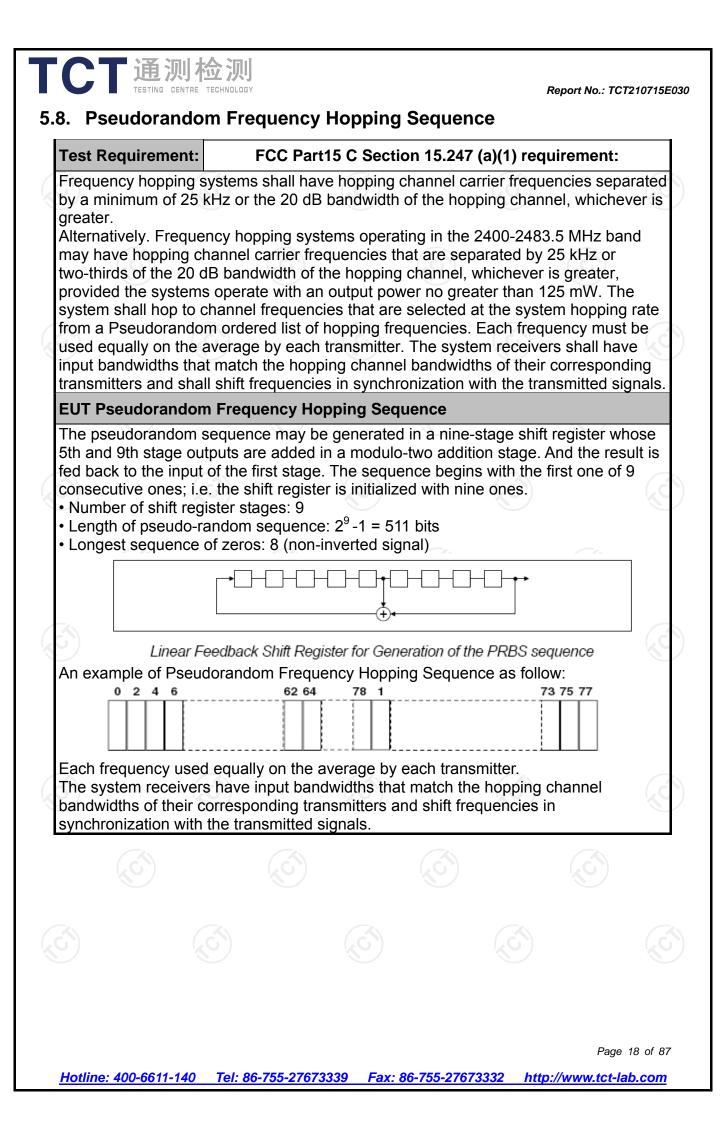
TCT 通测检测 TESTING CENTRE TECHNOLOGY

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	KDB 558074 D01 v05r02
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Hopping mode
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. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold. Measure and record the results in the test report.
Test Result:	PASS

5.7.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021

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5.9. Conducted Band Edge Measurement

5.9.1. Test Specification

FCC Part15 C Section 15.247 (d)
KDB 558074 D01 v05r02
In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
Spectrum Analyzer EUT
Transmitting mode with modulation
 Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz (≥1% span=10MHz), VBW = 300 kHz (≥RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. Enable hopping function of the EUT and then repeat step 2 and 3. Measure and record the results in the test report.
PASS

5.9.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021
$\langle \mathcal{O} \rangle$	$\langle \mathcal{C} \rangle$	$\langle \mathcal{O} \rangle$	(\mathcal{C})	(C)



5.10. Conducted Spurious Emission Measurement

5.10.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB 558074 D01 v05r02
Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fal in the restricted bands must also comply with the radiated emission limits.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
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 = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. 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.
Test Result:	PASS

5.10.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 11, 2021
4 Ch. Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U2531A	6 N/A	Sep. 02, 2021
Combiner Box	Ascentest	AT890-RFB	N/A	Sep. 02, 2021
<u>(</u> C)	(C)	$\langle \mathcal{O} \rangle$	$\langle \mathcal{C} \rangle$	KC)

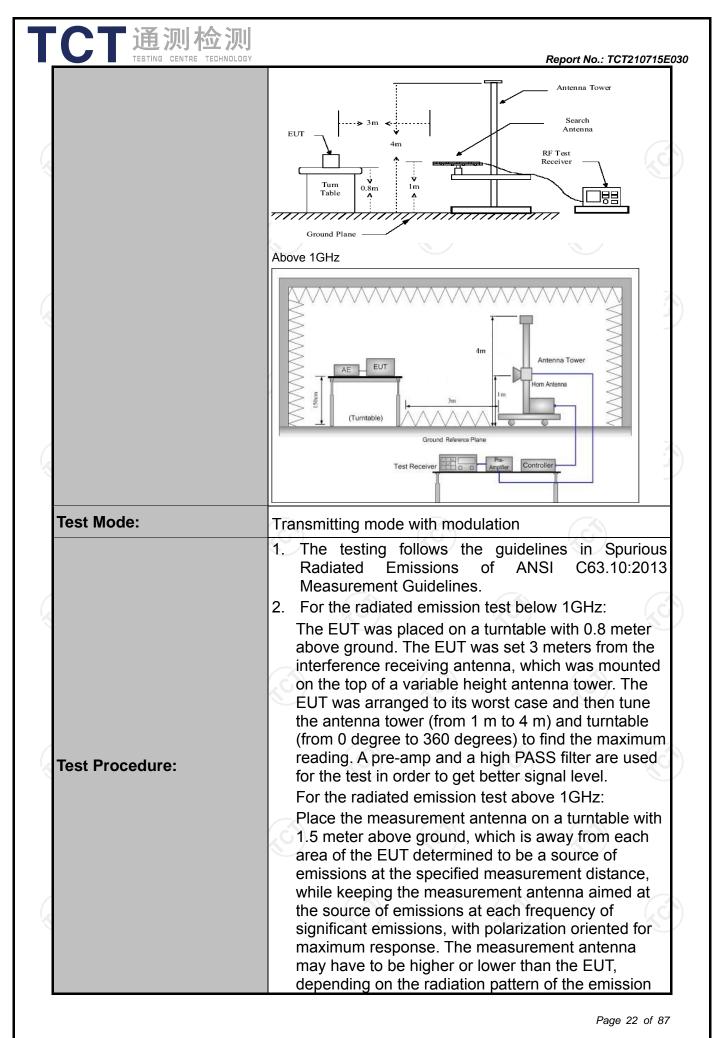
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5.11. Radiated Spurious Emission Measurement

5.11.1. Test Specification

Test Requirement:	FCC Part15	C Section	15.209			
Test Method:	ANSI C63.10):2013				
Frequency Range:	9 kHz to 25 (GHz				
Measurement Distance:	3 m		<u>(</u>))
Antenna Polarization:	Horizontal &	Vertical				
	Frequency	Detector	RBW	VBW		Remark
	9kHz- 150kHz	Quasi-peal	x 200Hz	1kHz	Quas	i-peak Value
Receiver Setup:	150kHz- 30MHz	Quasi-peal	k 9kHz	30kHz	Quas	i-peak Value
•	30MHz-1GHz	Quasi-peal	120KHz	300KHz	Quas	i-peak Value
	Above 10U-	Peak	1MHz	3MHz		eak Value
	Above 1GHz	Peak	1MHz	10Hz	Ave	erage Value
			Field Stre	enath	Me	asurement
	Frequen	су	(microvolts			nce (meters)
	0.009-0.4	190	2400/F(I			300
	0.490-1.7		24000/F(30
	1.705-3	0	30			30
	30-88		100			3
	88-216	3	150			3
Limit:	216-96		200		KC	3
	Above 9	60	500			3
	Frequency Above 1GHz	(micro	ovolts/meter) 500	Distar (mete 3		
	For radiated emis		5000 30MHz	3		Peak
Test setup:	EUT 0.3m 30MHz to 1GHz	Turn table	I Plane		Comput	
Hotline: 400-6611-140 Tel: 86	-755-27673339	Eax: 86-7	55-2767333) http:/		Page 21 of 8 tct-lab.con



	rece mea max ante restr abov 3. Set EUT 4. Use (1) (2)		aximum si intenna ele emissions on for may ange of he nd or refer kimum pov ontinuous ng spectru wide enou eing meas 120 kHz fo ; VBW≥R auto; Dete d for peak ge measur factor me	emission s gnal. The evation sha The meas kimum emi eights of fro ence grou wer setting ly. um analyze ugh to fully sured; or f < 1 GH BW; ector function rement: us thod per = On time/	final all be that surement issions sha om 1 m to nd plane. g and enal er settings: capture th lz, RBW=1 on = peak; e duty cyc	all be 4 m ole the me MHz Trace
	Ì	length of t Average E Level + 20 Corrected I	type 1 puls Emission L D*log(Duty Reading: <i>A</i>	ses, etc. evel = Pea cycle) Antenna Fa		on ble
Fest results:	PASS	length of t Average E Level + 20	type 1 puls Emission L D*log(Duty Reading: <i>A</i>	ses, etc. evel = Pea cycle) Antenna Fa	ak Emissic actor + Cal	on ble
Fest results:		length of t Average E Level + 20 Corrected I	type 1 puls Emission L D*log(Duty Reading: <i>A</i>	ses, etc. evel = Pea cycle) Antenna Fa	ak Emissic actor + Cal	on ble
Fest results:		length of t Average E Level + 20 Corrected I	type 1 puls Emission L D*log(Duty Reading: <i>A</i>	ses, etc. evel = Pea cycle) Antenna Fa	ak Emissic actor + Cal	on ble
Fest results:		length of t Average E Level + 20 Corrected I	type 1 puls Emission L D*log(Duty Reading: <i>A</i>	ses, etc. evel = Pea cycle) Antenna Fa	ak Emissic actor + Cal	on ble





5.11.2. **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



5.11.3. Test Data

Please refer to following diagram for individual



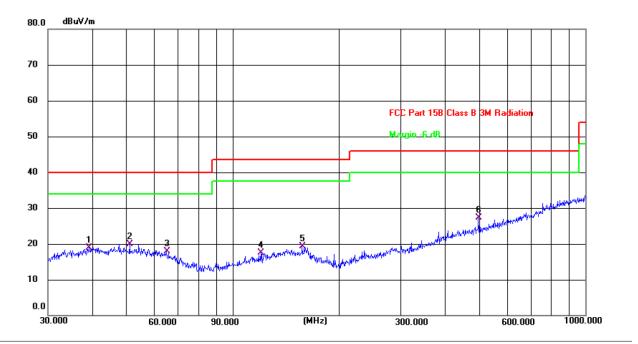
Report No.: TCT210715E030

Site			Polarization: Horizor						Temperature: 25(C)
Limit:	FCC Part 15E	Class B 3	M Radiatio	on	Power:	DC 3	.7 ∨		Humidity: 55 %
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	41.7129	6.04	13.97	20.01	40.00	-19.99	QP	Ρ	
2	54.8348	5.73	13.46	19.19	40.00	-20.81	QP	Ρ	
3	133.1511	6.87	12.80	19.67	43.50	-23.83	QP	Ρ	
4	277.0935	5.63	13.95	19.58	46.00	-26.42	QP	Ρ	
5	492.4685	5.63	19.23	24.86	46.00	-21.14	QP	Ρ	
6 *	824.5968	6.38	25.41	31.79	46.00	-14.21	QP	Ρ	

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Vertical:

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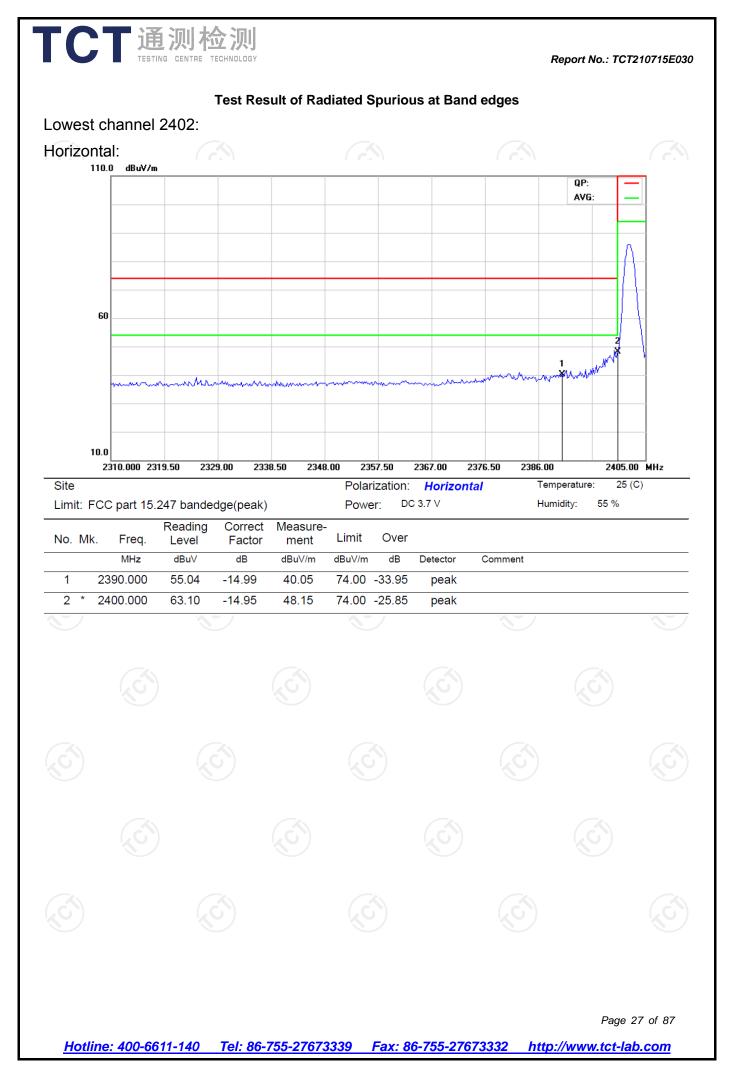
Site				Polariza Power:		Vertical		Temperature: 25(C)			
	Limit: FCC Part 15B Class B 3M Radiation						.7 V		Humidity: 55 %		
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark		
1	39.1616	5.05	13.87	18.92	40.00	-21.08	QP	Р			
2	51.1209	6.22	13.70	19.92	40.00	-20.08	QP	Р			
3	65.1145	5.75	12.10	17.85	40.00	-22.15	QP	Ρ			
4	120.2766	5.47	11.98	17.45	43.50	-26.05	QP	Р			
5	157.5588	5.87	13.40	19.27	43.50	-24.23	QP	Р			
6 *	497.6765	8.02	19.34	27.36	46.00	-18.64	QP	Р			

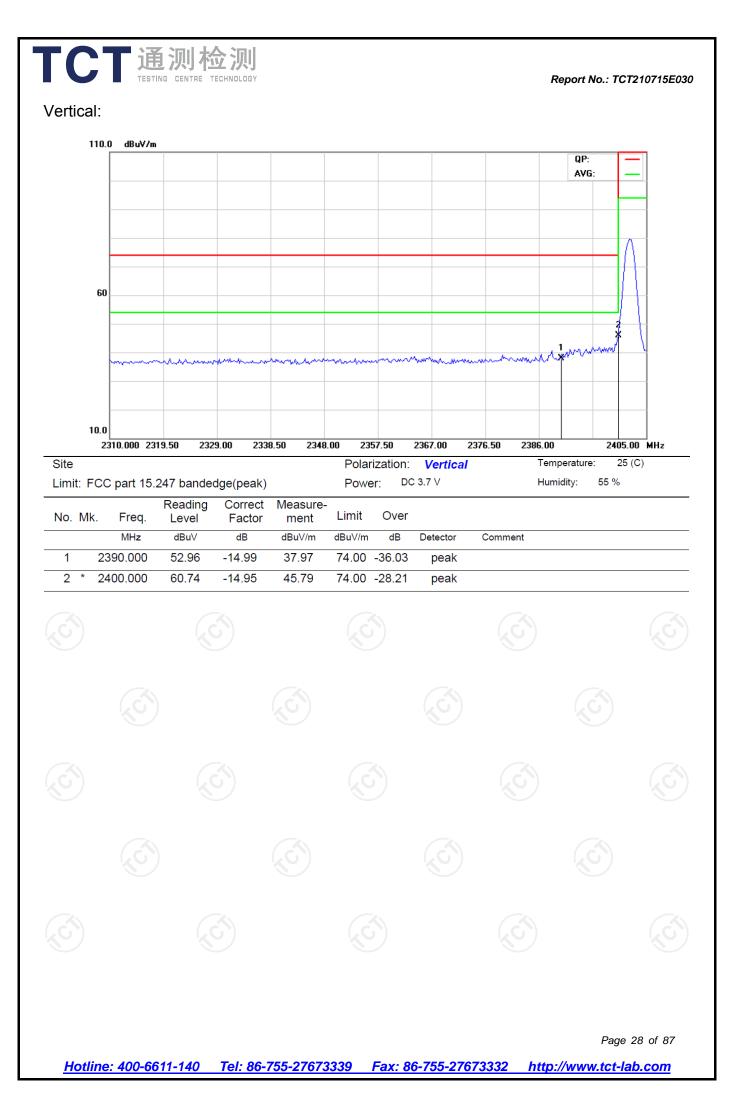
Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

2. Measurements were conducted in all three channels (high, middle, low) and three modulation (GFSK, Pi/4DQPSK, 8DPSK) and the worst case Mode (Highest channel and 8DPSK) 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 μ V/m) = Limit stated in standard
 - Over $(dB) = Measurement (dB\mu V/m) Limits (dB\mu V/m)$
 - * is meaning the worst frequency has been tested in the test frequency range.

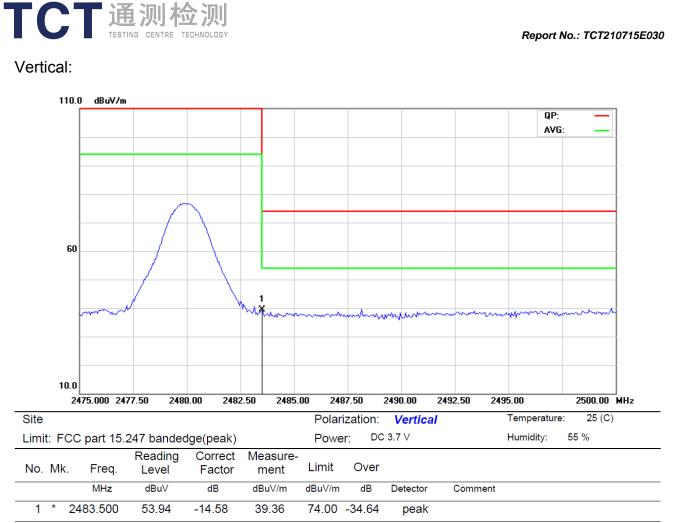
Report No.: TCT210715E030





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	10.0									
Site	10.0 2475.000 24	77.50 248	80.00 248	2.50 248	5.00 2487.50 Polarizatic		2492.50 249 tal	5. 00 Temperatu		IO MHz C)
Site		247 bande	dge(peak)		Polarizatio Power:		tal			
Site Limit: I	2475.000 24 FCC part 15. k. Freq.				Polarizatio Power:	n: Horizon DC 3.7 V er	tal	Temperatu	ure: 25 (
Site	2475.000 24	247 bande Reading Level	dge(peak) Correct Factor	Measure ment	Polarizatio Power: - Limit Ov	n: Horizon DC 3.7 V er 3 Detector	tal	Temperatu	ure: 25 (
Site Limit: I No. Mi	2475.000 24 FCC part 15. k. Freq. MHz	247 bande Reading Level dBuV 56.97	dge(peak) Correct Factor dB -14.58	Measure ment dBuV/m	Polarizatio Power: - Limit Ov dBuV/m dB	n: Horizon DC 3.7 V er Detector	Comment	Temperatu	ure: 25 (C)
Site Limit: I No. MI	2475.000 24 FCC part 15. k. Freq. MHz	247 bande Reading Level dBuV 56.97	dge(peak) Correct Factor dB	Measure ment dBuV/m	Polarizatio Power: - Limit Ov dBuV/m dB	n: Horizon DC 3.7 V er Detector	tal	Temperatu	ure: 25 (C)
Site Limit: I No. Mi	2475.000 24 FCC part 15. k. Freq. MHz 2483.500	247 bande Reading Level dBuV 56.97	dge(peak) Correct Factor dB -14.58	Measure ment dBuV/m 42.39	Polarizatio Power: Limit Ov dBuV/m dt 74.00 -31.0	n: Horizon DC 3.7 V er B Detector	Comment	Temperatu Humidity:	ıre: 25 (55 %	C)
Site Limit: I No. MI	2475.000 24 FCC part 15. k. Freq. MHz	247 bande Reading Level dBuV 56.97	dge(peak) Correct Factor dB -14.58	Measure ment dBuV/m	Polarizatio Power: Limit Ov dBuV/m dt 74.00 -31.0	n: Horizon DC 3.7 V er Detector	Comment	Temperatu Humidity:	ure: 25 (C)
Site Limit: I No. MI	2475.000 24 FCC part 15. k. Freq. MHz 2483.500	247 bande Reading Level dBuV 56.97	dge(peak) Correct Factor dB -14.58	Measure ment dBuV/m 42.39	Polarizatio Power: Limit Ov dBuV/m dt 74.00 -31.0	n: Horizon DC 3.7 V er B Detector	Comment	Temperatu Humidity:	ıre: 25 (55 %	

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Note: Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (8DPSK) was submitted only.

Above 1GHz

Modulation	Type: 8D	PSK							
Low chann	el: 2402 N	1Hz							
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	44.28		0.66	44.94		74	54	-9.06
7206	Н	34.73		9.50	44.23		74	54	-9.77
	Н					~~-		774	
	(())		J.)		()	·C`)		(G)	
4804	V	44.15		0.66	44.81		74	54	-9.19
7206	V	35.49		9.50	44.99		74	54	-9.01
	V								

Middle cha	nnel: 2441	MHz		X)	X 0		KC.
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)
4882	Н	44.54		0.99	45.53	 74	54	-8.47
7323	XOH)	34.80	N S	9.87	44.67	74	54	-9.33
	Ĥ							
4882	V	42.37		0.99	43.36	 74	54	-10.64
7323	V	34.61		9.87	44.48	 74	54	-9.52
· · · · ·	V			X	/			

High channel: 2480 MHz

- igi ei ei	IEI. 2400 IN								
Frequency	Ant Pol	Peak	AV	Correction	Emissio	on Level	Peak limit	AV/ limit	Margin
(MHz)	H/V	reading	reading	Factor	Peak	AV		(dBµV/m)	(dB)
(11112)	11/ V	(dBµV)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(upp v/m)	(ubµv/m)	(UD)
4960	Н	44.92		1.33	46.25		74	54	-7.75
7440	Н	36.06		10.22	46.28		74	54	-7.72
	Н								
GN)		(.G)		(.0			(.c.)) ()
4960	V	46.25		1.33 🔪	47.58		74	54	-6.42
7440	V	36.79		10.22	47.01		74	54	-6.99
	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.

 Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (8DPSK) was submitted only.

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

Report No.: TCT210715E030





Appendix A: Test Result of Conducted Test

Maximum	Conducted	Output Power	
		-	

		Frequency		Conducted	Duty	Total	Limit	
Condition	Mode	(MHz)	Antenna	Power	Factor	Power	(dBm)	Verdict
		(1011 12)		(dBm)	(dB)	(dBm)	(ubiii)	
NVNT	1-DH1	2402	Ant1	0.679	0	0.679	21	Pass
NVNT	1-DH1	2441	Ant1	2.012	0	2.012	21	Pass
NVNT	1-DH1	2480	Ant1	2.35	0	2.35	21	Pass
NVNT	2-DH1	2402	Ant1	0.897	0	0.897	21	Pass
NVNT	2-DH1	2441	Ant1	2.109	0	2.109	21	Pass
NVNT	2-DH1	2480	Ant1	2.414	0	2.414	21	Pass
NVNT	3-DH1	2402	Ant1	1.091	0	1.091	21	Pass
NVNT	3-DH1	2441	Ant1	2.159	0	2.159	21	Pass
NVNT	3-DH1	2480	Ant1	2.42	0	2.42	21	Pass

Power NVNT 1-DH1 2402MHz Ant1



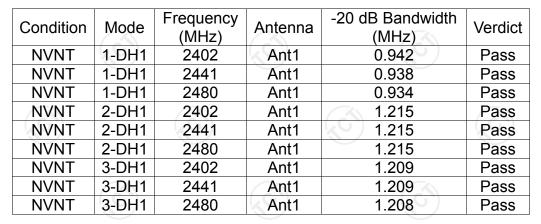
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Agilent Spectrum Analyzer - Swept SA μx RF 50 Ω AC Center Freq 2.441000000 GH2	SENSE:PULSE Z PNO: Fast ←→ Trig: Free Run IFGain:Low #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 200/200	10:43:20 AM Jul 26, 2021 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N
Ref Offset 7.06 dB 10 dB/div Ref 20.00 dBm	IPGalli.LUW Written. 00 dE	Mkr1	2.440 830 GHz 2.012 dBm
0.00	 1		
-10.0			
-20.0			
-30.0			
-40.0			
-50.0			
-70.0			
Center 2.441000 GHz			Span 5.000 MHz
#Res BW 3.0 MHz	#VBW 8.0 MHz	#Sweep 1	00.0 ms (1001 pts)
	wer NVNT 1-DH1 24	80MHz Ant1	<u>)</u>
Agilent Spectrum Analyzer - Swept SA V R RF 50 Q AC Center Freq 2.480000000 GH2		ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 200/200	10:47:55 AM Jul 26, 2021 TRACE 12:34 5 6 TYPE MAMMANANA DET P. N.N.N.N
	PNO: Fast →→ Trig: Free Run IFGain:Low #Atten: 30 dB		.480 133 0 GHz
Ref Offset 7.03 dB 10 dB/div Ref 20.00 dBm Log			2.350 dBm
10.0	↓ 1		
-10.0			
-10.0			
-30.0			
-40.0			
-50.0			
-60.0			
200.0			
-70.0			
-70.0 Center 2.480000 GHz #Res BW 3.0 MHz	#VBW 8.0 MHz		Span 5.000 MHz 10.0 ms (10001 pts)
-70.0	#VBW 8.0 MHz	#Sweep 10	Span 5.000 MHz 0.0 ms (10001 pts)
-70.0 Center 2.480000 GHz #Res BW 3.0 MHz	#VBW 8.0 MHz		Span 5.000 MHz 10.0 ms (10001 pts)
-70.0 Center 2.480000 GHz #Res BW 3.0 MHz	#VBW 8.0 MHz		Span 5.000 MHz 10.0 ms (10001 pts)

	nter Freq 2.402000000 GH	Z PNO:Fast →→ Trig:Free Run IFGain:Low #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 200/200	10:51:49 AM Jul 26, 2021 TRACE 123456 TYPE MWWWWW DET PINNNNN	
10 d	Ref Offset 6.98 dB B/div Ref 20.00 dBm	IFGall.LUW WRIGH. OV G	Mkr	1 2.401 718 GHz 0.897 dBm	
Log 10.0					
0.00)	↓ 1			
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-20.0					
-30.0					
-50.0					
-60.0					
-70.0					
Cer #Re	nter 2.402000 GHz es BW 3.0 MHz	#VBW 8.0 MHz	Sweep	Span 6.000 MHz 1.000 ms (1001 pts)	
MSG	Po	wer NVNT 2-DH1 24	41MHz Ant1	×)	
LXI R	nt Spectrum Analyzer - Swept SA RF 50 Ω AC hter Freq 2.441000000 GH	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr	10:56:41 AM Jul 26, 2021 TRACE 12:3:4:5:6	
CIEI		PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Hold: 200/200	TRACE 123456 TYPE MWWWWW DET PNNNN 1 2.441 102 GHz	
10 d Log	B/div Ref 20.00 dBm			2.109 dBm	
10.0		↓			
-10.0					
-20.0					
-30.0					
-40.0					
-50.0					
-70.0					
	nter 2.441000 GHz			Span 6.000 MHz	
Cer	es BW 3.0 MHz	#VBW 8.0 MHz	Sweep Status	1.000 ms (1001 pts)	
Cer #Re ^{MSG}					
#Re					
#Re					

	er Freq 2.480000000 GHz		. Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: I Avg Hold: 20	og-Pwr 00/200	11:01:56 AM Jul26, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	
	Ref Offset 7.03 dB div Ref 20.00 dBm				Mkr1	2.479 952 GHz 2.414 dBm	
0.00			∳ ¹		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-10.0							
-20.0							
-30.0							
-40.0							
-50.0							
-60.0							
-70.0							
	er 2.480000 GHz BW 3.0 MHz	#VB	W 8.0 MHz		Sweep 1	Span 6.000 MHz .000 ms (1001 pts)	
MSG	Pow	/er NVN	T 3-DH1 24	status 02MHz A	nt1	~)	
LXI R	Spectrum Analyzer - Swept SA RF 50 Ω AC	SE	ENSE:PULSE	ALIGNAUTO		11:04:35 AM Jul 26, 2021	
Cente	er Freq 2.402000000 GHz	PNO: Fast ↔ IFGain:Low	. Trig: Free Run #Atten: 30 dB	Avg Type: I Avg Hold: 2	00/200	TRACE 123456 TYPE MWWWWW DET PNNNNN	
10 dB/d Log	Ref Offset 6.98 dB div Ref 20.00 dBm				Mkr1	2.401 742 GHz 1.091 dBm	
10.0							
			↓ ¹				
0.00							
-10.0							
-10.0							
-10.0 - -20.0 - -30.0 - -40.0 -							
-10.0 -20.0 -30.0 -40.0 -50.0							
-10.0 -20.0 -30.0 -40.0 -50.0 -60.0							
-10.0 = -20.0 = -30.0 = -40.0 = -50.0 = -60.0 = -70.0 =							
-10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 - Cente #Res	rt 2.402000 GHz BW 3.0 MHz	#VB	W 8.0 MHz		Sweep 1	Span 6.000 MHz .000 ms (1001 pts)	
-10.0 = -20.0 - -30.0 - -40.0 - -50.0 - -60.0 - -70.0 - Cente	r 2.402000 GHz BW 3.0 MHz	#VB	W 8.0 MHz	STATUS	Sweep 1	Span 6.000 MHz .000 ms (1001 pts)	
-10.0 - -20.0 - -30.0 - -40.0 - -50.0 - -50.0 - -70.0 - Cente #Res	er 2.402000 GHz BW 3.0 MHz	#VB	W 8.0 MHz	STATUS	Sweep 1	Span 6.000 MHz .000 ms (1001 pts)	
-10.0 - -20.0 - -30.0 - -40.0 - -50.0 - -50.0 - -70.0 - Cente #Res	r 2.402000 GHz BW 3.0 MHz	#VB	W 8.0 MHz	STATUS	Sweep 1	Span 6.000 MHz .000 ms (1001 pts)	

	ter Freq 2.441000000 GH		ENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: L Avg Hold: 20	_og-Pwr 00/200	11:07:39 AM Jul 26, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	
10 dE Log	Ref Offset 7.06 dB Mdiv Ref 20.00 dBm				Mkr1 2	.441 210 GHz 2.159 dBm	G
10.0							
0.00			↓ ¹				
-10.0							
-20.0							
-30.0							G
-40.0							
-60.0							
-70.0							
Cent	ter 2.441000 GHz					Span 6.000 MHz	
#Res	s BW 3.0 MHz	#VE	8W 8.0 MHz	STATUS	Sweep 1.0	00 ms (1001 pts)	
Agilen	PO t Spectrum Analyzer - Swept SA	wer NVN	T 3-DH1 24	480MHz A	nt1		
Cen	RF 50 Ω AC ter Freq 2.480000000 GH		ENSE:PULSE	ALIGNAUTO Avg Type: L	_og-Pwr	11:09:45 AM Jul 26, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW	
		PNO: Fast ++	. Trig: Free Run	Avg Hold: 20	00/200	TYPE M WWWWWWW	
40 45	Ref Offset 7.03 dB		→ Trig: Free Run #Atten: 30 dB	AvgjHold: 20		.479 994 GHz	
10 dE Log	Ref Offset 7.03 dB Vdiv Ref 20.00 dBm	PNO: Fast ++		AvgHold: 20		DET PNNNN	
10.0	Ref Offset 7.03 dB Vdiv Ref 20.00 dBm	PNO: Fast ++		Avg Hoid: 20		.479 994 GHz	
	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB	Avg Hoid: 20		.479 994 GHz	
10.0	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB	Avg Hoid: 20		.479 994 GHz	
10.0	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB	Avg Hoid: 20		.479 994 GHz	
10.0 0.00 -10.0 -20.0	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB	Avg Hoid: 20		.479 994 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB	Avg Hoid: 20		.479 994 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB			.479 994 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0	Sydiv Ref 20.00 dBm	PNO: Fast ++	#Atten: 30 dB		Mkr1 2	2.479 994 GHz 2.420 dBm	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Cent #Res	Ref Offset 7.03 dB Ref 20.00 dBm	PNO: Fast IFGain:Low	#Atten: 30 dB	Avg Hold: 20	Mkr1 2	.479 994 GHz	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Cent	Mdiv Ref 20.00 dBm Image: State of the state o	PNO: Fast IFGain:Low	#Atten: 30 dB	Avg Hoid: 20	Mkr1 2	2.479 994 GHz 2.420 dBm	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Cent #Res	Mdiv Ref 20.00 dBm Image: State of the state o	PNO: Fast IFGain:Low	#Atten: 30 dB	Avg Hold: 20	Mkr1 2	2.479 994 GHz 2.420 dBm	
10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Cent #Res	Mdiv Ref 20.00 dBm Image: State of the state o	PNO: Fast IFGain:Low	#Atten: 30 dB	Avg Hold: 20	Mkr1 2	2.479 994 GHz 2.420 dBm	



-20dB Bandwidth

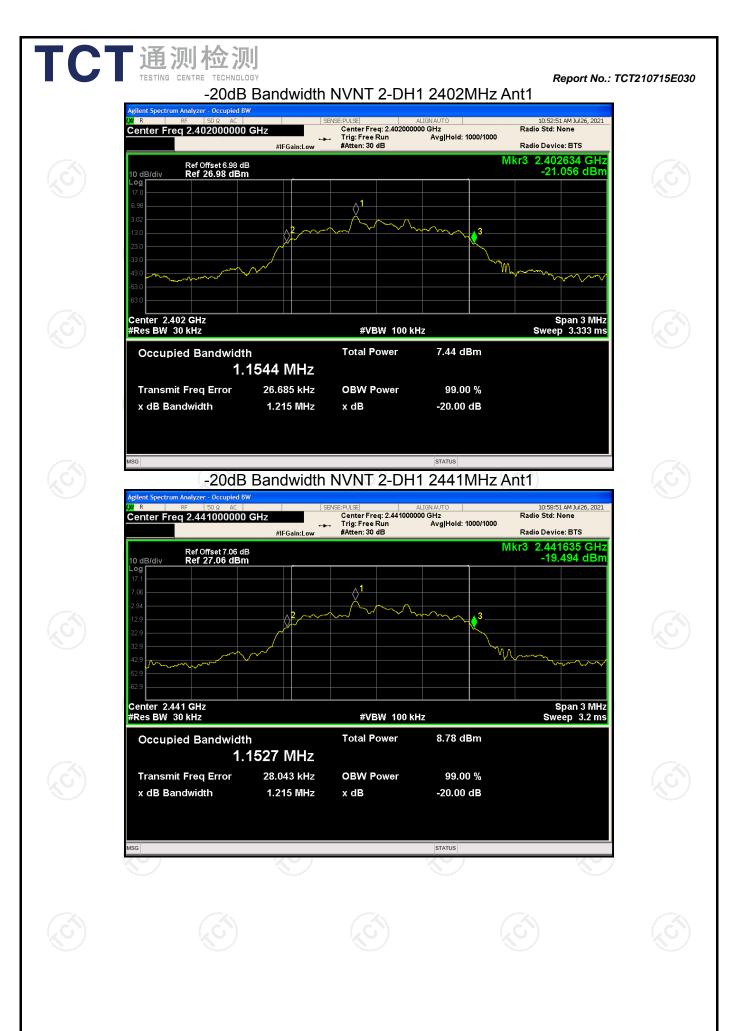
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



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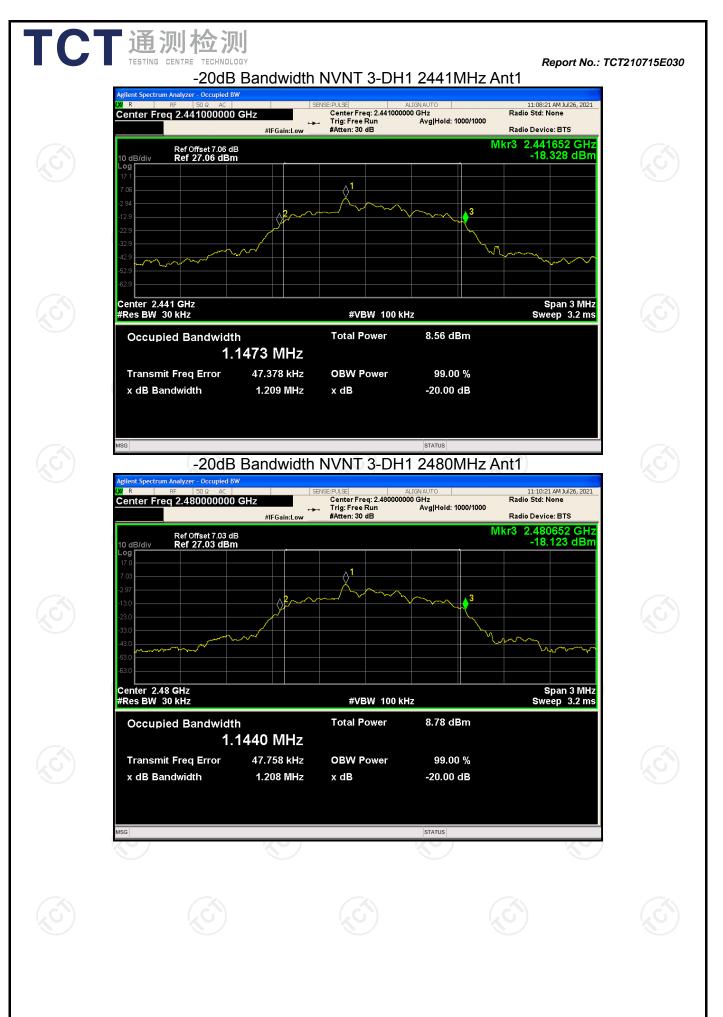
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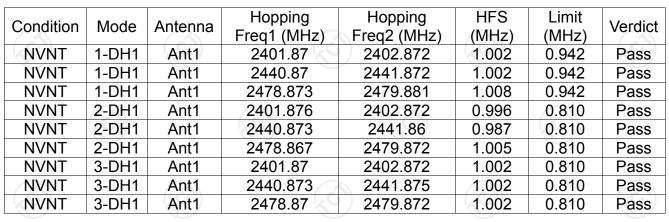
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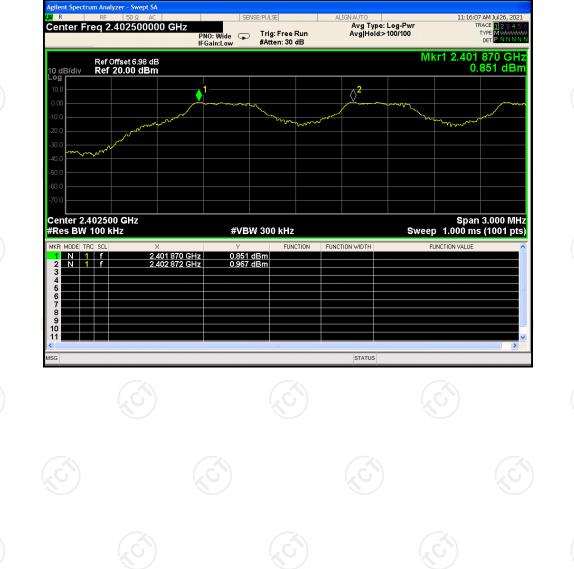


Carrier Frequencies Separation

CT通测检测

TESTING CENTRE TECHNOLOGY

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