



TEST REPORT FCC ID. 2APP6AG-80A Test Report No.....: TCT220302E003 Date of issue.....: Jul. 01, 2022 Testing laboratory: SHENZHEN TONGCE TESTING LAB 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Testing location/ address: Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China Applicant's name......: Aroma Music Co., Ltd. 203, No. 93 Qianjin 2nd Road, Area 81 Hexi Neighbourhood, Address.....: Xixiang Town, Baoan District, Shenzhen City, Guangdong, 518000 China Manufacturer's name ...: Aroma Technology Co., Limited Building A, Aroma Park, Guwu Village, Danshui Town, Huiyang Address.....: District, Huizhou, Guangdong, 516200 China FCC CFR Title 47 Part 15 Subpart C Section 15.247 Standard(s): FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 Product Name.....: Acoustic Guitar Amp Trade Mark: AROMA Model/Type reference..... : AG-80A Rating(s).....: Refer to EUT description of page 3 Date of receipt of test item Mar. 02, 2022 Date (s) of performance of Mar. 02, 2022 - Jul. 01, 2022 test..... Tested by (+signature) ... : Aaron MO Jaron Check by (+signature)....: Beryl ZHAO Approved by (+signature): Tomsin

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1. General Product Information

1.1. EUT description

Product Name:	Acoustic Guitar Amp		(\mathbf{c}^{*})
Model/Type reference:	AG-80A		
Sample Number	TCT220302E003-0101		
Bluetooth Version:	V5.0	No.	
Operation Frequency:	2402MHz~2480MHz		
Transfer Rate:	1/2 Mbits/s		
Number of Channel:	79		
Modulation Type:	GFSK, π/4-DQPSK		
Modulation Technology:	FHSS		
Antenna Type:	PCB Antenna		
Antenna Gain:	-0.68dBi		S
Rating(s):	Adapter Information 1: MODEL: GM130-2400500-F INPUT: AC 100–240V, 50/60Hz, 2.5A OUTPUT: DC 24.0V, 5.0A, 120.0W Adapter Information 2: MODEL: TDX-2405000 INPUT: AC 100–240V, 50/60Hz, 2.0A OUTPUT: DC 24.0V, 5.0A, 120.0W Rechargeable Li-ion Battery DC 18.0V		

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	Ś				
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1.3. Operation Frequency

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Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
C)1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
<u> </u>		·		·		U	
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
							S
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	- 39	2441MHz	- 59	2461MHz		-
Remark: mode.	Channel 0, 3	89 & 78 ha	ave been te	sted for C	FSK, π/4-D	QPSK m	odulation





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.

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3. General Information

3.1. Test environment and mode

Operating Environment:						
Condition	Conducted Emission	Radiated Emission				
Temperature:	25.3 °C	28 °C				
Humidity:	56 % RH	53 % RH				
Atmospheric Pressure:	1010 mbar	1010 mbar				
Test Software:						
Software Information:	nation: FCC Assist 1.0.0.2					
Power Level:	10					
Test Mode:						
Engineer mode:	Keep the EUT in continuous channel and modulations w					
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
/	/	/	/	/

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.

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: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, 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
7	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 -0.68dBi. KTT T R200 S IN 618 JUNI 100 196 18 2211 Antenna -211012

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	(C)					
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	e=auto				
	Frequency range	Limit ((dBuV)				
	(MHz)	Quasi-peak	Average				
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 Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Na Test table height=0.8m	EMI Receiver	J── AC power				
Test Mode:	Charging + Transmittir	ng Mode	0				
Test Procedure:1. The E.U.T is connected to an adapter through a impedance stabilization network (L.I.S.N.). provides a 50ohm/50uH coupling impedance for measuring equipment.Test Procedure:2. The peripheral devices are also connected to the n power through a LISN that provides a 50ohm/5 coupling impedance with 50ohm termination. (Ple refer to the block diagram of the test setup photographs).3. Both sides of A.C. line are checked for maxin emission, the relative positions of equipment and a the interface cables must be changed according to							
Test Procedure:	 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 the interface cables 	ation network 50uH coupling in nt. Ses are also conne SN that provides with 50ohm terr diagram of the line are checken nce. In order to fi e positions of equ must be changed	(L.I.S.N.). Thi apedance for the ected to the mai s a 50ohm/50ul mination. (Please test setup and ed for maximum nd the maximum upment and all of according to				
Test Procedure: Test Result:	 impedance stabiliz provides a 50ohm/s measuring equipme 2. The peripheral device power through a Lin coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferent emission, the relative 	ation network 50uH coupling in nt. Ses are also conne SN that provides with 50ohm terr diagram of the line are checken nce. In order to fi e positions of equ must be changed	(L.I.S.N.). This apedance for the ected to the main s a 50ohm/50ut mination. (Please test setup and ed for maximum nd the maximum upment and all of according to				



5.2.2. Test Instruments

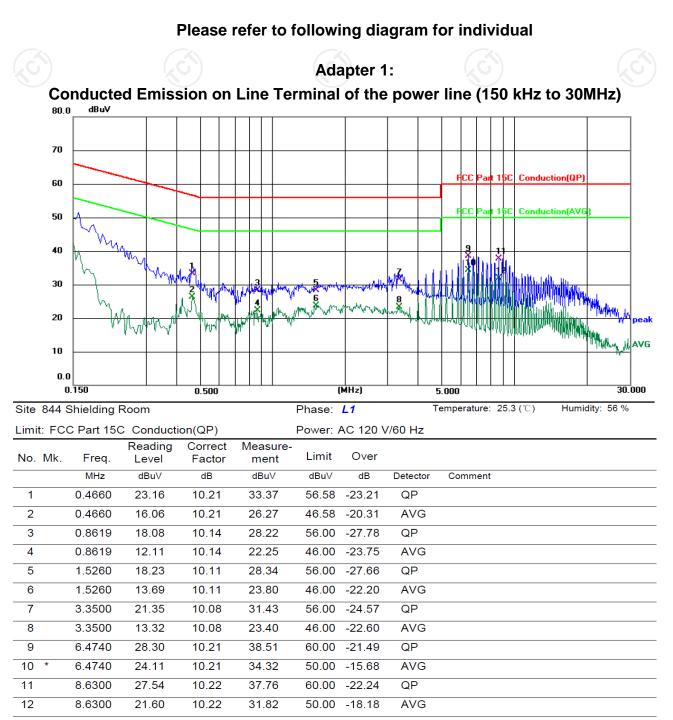
Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
EMI Test Receiver	R&S	ESCI3	100898	Jul. 07, 2022				
Line Impedance Stabilisation Newtork(LISN)		NSLK 8126	8126453	Feb. 24, 2023				
Line-5	тст	CE-05	N/A	Jul. 07, 2022				
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A				



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5.2.3. Test data

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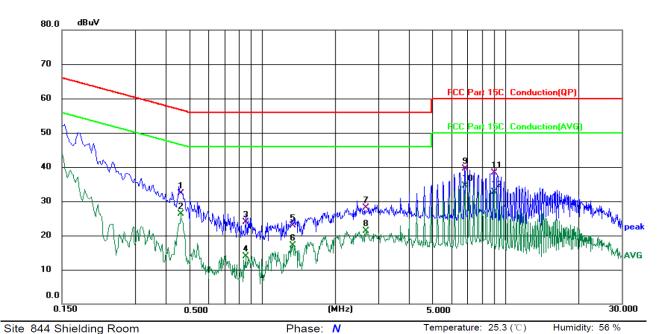


Note:

NO	ne:	
	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 μ 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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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)

Limit: FCC Part 15C Conduction(QP)

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Power: 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		0.4620	22.16	10.21	32.37	56.66	-24.29	QP	
2		0.4620	16.19	10.21	26.40	46.66	-20.26	AVG	
3		0.8539	13.67	10.14	23.81	56.00	-32.19	QP	
4		0.8539	3.75	10.14	13.89	46.00	-32.11	AVG	
5		1.3420	12.68	10.15	22.83	56.00	-33.17	QP	
6		1.3420	6.93	10.15	17.08	46.00	-28.92	AVG	
7		2.6739	17.88	10.18	28.06	56.00	-27.94	QP	
8		2.6739	11.16	10.18	21.34	46.00	-24.66	AVG	
9		6.8019	29.23	10.30	39.53	60.00	-20.47	QP	
10	*	6.8019	24.21	10.30	34.51	50.00	-15.49	AVG	
11		8.9659	27.99	10.32	38.31	60.00	-21.69	QP	
12		8.9659	22.36	10.32	32.68	50.00	-17.32	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 $(dB\mu V)$ – 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.

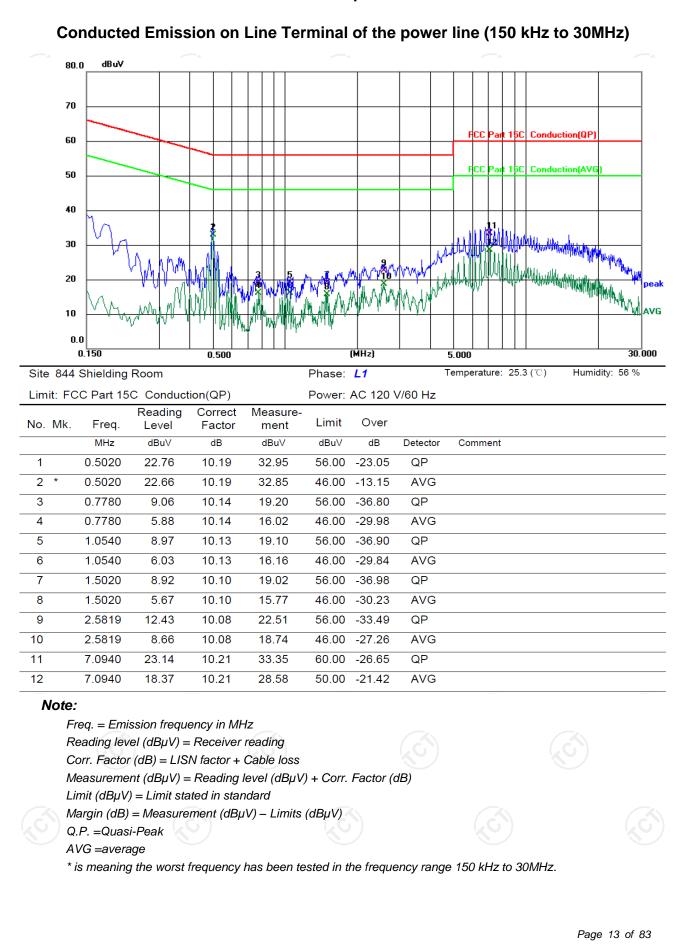
Note2:

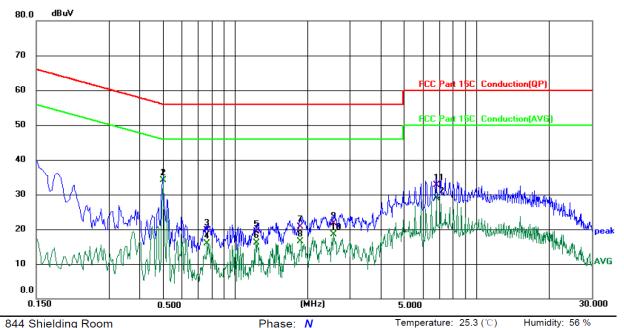
Measurements were conducted in all three channels (high, middle, low) and two modulation (GFSK, Pi/4 DQPSK), and the worst case Mode (Middle channel and Pi/4 DQPSK) was submitted only.

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Adapter 2:

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

Site 844 Shielding RoomPhase: NTemperature: 25.3 (°C)Limit: FCC Part 15C Conduction(QP)Power: AC 120 V/60 Hz

			1 0 0 1 2 0 1 2 0 1 2 0 1 2			100112			
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5020	23.89	10.19	34.08	56.00	-21.92	QP	
2	*	0.5020	23.85	10.19	34.04	46.00	-11.96	AVG	
3		0.7660	9.58	10.14	19.72	56.00	-36.28	QP	
4		0.7660	5.76	10.14	15.90	46.00	-30.10	AVG	
5		1.2180	9.17	10.15	19.32	56.00	-36.68	QP	
6		1.2180	5.94	10.15	16.09	46.00	-29.91	AVG	
7		1.8620	10.50	10.17	20.67	56.00	-35.33	QP	
8		1.8620	6.24	10.17	<mark>16</mark> .41	46.00	-29.59	AVG	
9		2.5579	11.47	10.18	21.65	56.00	-34.35	QP	
10		2.5579	8.27	10.18	18.45	46.00	-27.55	AVG	
11		6.8100	22.47	10.30	32.77	60.00	-27.23	QP	
12		6.8100	18.52	10.30	28.82	50.00	-21.18	AVG	

Note1:

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> 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.

Note2:

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

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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:	Spectrum Analyzer		
Test Mode:	Transmitting mode with modulation		
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	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022





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	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022





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 or 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			

5.5.2. Test Instruments

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

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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 Tost Instruments				

5.6.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022
(.c)	66		(C)	(\mathbf{G})

5.7. Dwell Time

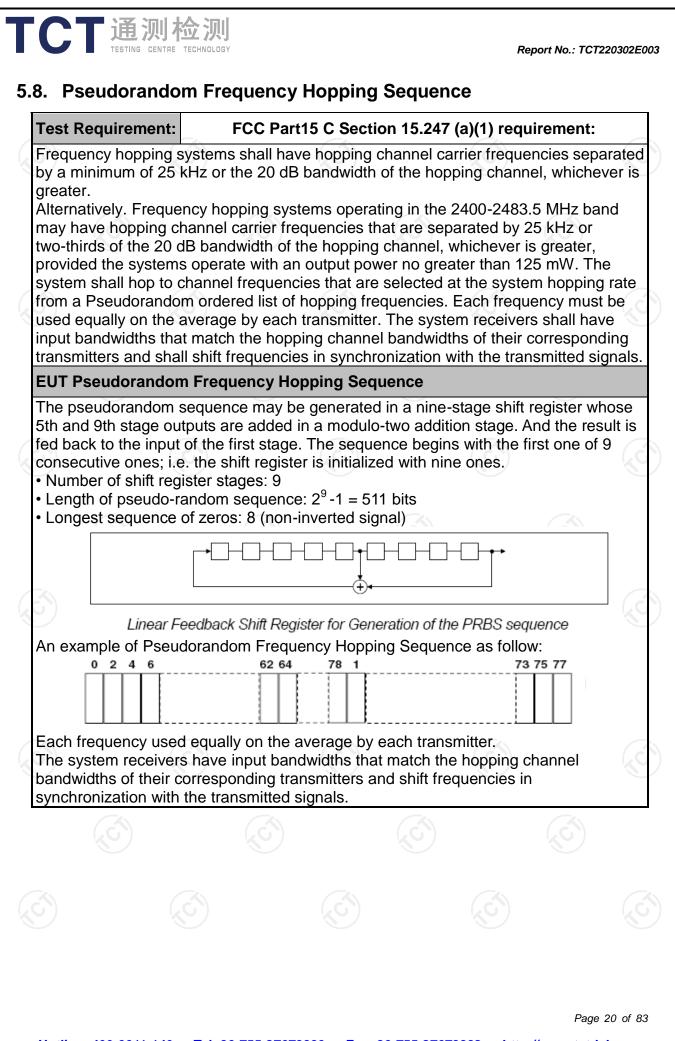
5.7.1. Test Specification

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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	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022





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.

5.9.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022
(\mathcal{S})	(JC)		.G`)	(G)



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 fall 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	Jul. 18, 2022
Combiner Box	Ascentest	AT890-RFB	N/A	Jul. 07, 2022

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5.11.1. Test Specification

TCT通测检测 TESTING CENTRE TECHNOLOGY

	FCC Part15	C Section	15.209						
Test Method:	ANSI C63.10	0:2013							
Frequency Range:	9 kHz to 25 (GHz	Z			6			
Measurement Distance:	3 m	3 m							
Antenna Polarization:	Horizontal &	Vertical							
	Frequency	Detector	RBW	VBW	Remark				
	9kHz- 150kHz	Quasi-peak	(200Hz	1kHz	Quas	i-peak Value			
Receiver Setup:	150kHz- 30MHz	Quasi-peak	k 9kHz	30kHz	Quas	i-peak Value			
-	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quas	i-peak Value			
	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz		eak Value			
		Peak		IUHZ	AVE	erage Value			
	Frequen	ю	Field Str (microvolts	-		asurement nce (meters)			
	0.009-0.4		2400/F(300			
	0.490-1.7		24000/F			30			
	1.705-3		30			30			
	30-88	1	100			3			
Limit:	216-96	200			3				
	Above 9		500		3				
	Frequency Above 1GH:	(micro	ovolts/meter) 500	Distan (mete 3	ers) Average				
	Above IGII	<u> </u>	5000	3	Peak				
Test setup:	For radiated emis	stance = 3m			Compu Amplifier Receiver				
		-		<u></u>					

	Report No.: TCT220302E00
	Antenna Tower EUT Turm Table Ground Plane Above 1GHz
	AE EUT Im Antenna Tower Im Im Antenna Tower Im Im Im Im Im Im Im Im Im Im
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10:2013 Measurement Guidelines. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission

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	receiving the maxim measurement anten maximizes the emis antenna elevation for restricted to a range above the ground of 3. Set to the maximu EUT transmit contin 4. Use the following s (1) Span shall wide emission being (2) Set RBW=120 for f>1GHz ; VE Sweep = auto = max hold for (3) For average m	pectrum analyzer settings: e enough to fully capture the measured; kHz for f < 1 GHz, RBW=1MH 3W≥RBW; ; Detector function = peak; Tr r peak neasurement: use duty cycle for method per	iich be n the Hz
	15.35(c). Duty of On time =N1*L Where N1 is n length of type Average Emis Level + 20*log Corrected Read	sion Level = Peak Emission g(Duty cycle) ding: Antenna Factor + Cable	n*Lr S
Test results:	15.35(c). Duty of On time =N1*L Where N1 is n length of type Average Emis Level + 20*log Corrected Read	1+N2*L2++Nn-1*LNn-1+Nn number of type 1 pulses, L1 is 1 pulses, etc. ssion Level = Peak Emission g(Duty cycle)	n*Lr S
Test results:	15.35(c). Duty of On time =N1*L Where N1 is n length of type Average Emis Level + 20*log Corrected Read Loss + Read Le	1+N2*L2++Nn-1*LNn-1+Nn number of type 1 pulses, L1 is 1 pulses, etc. sion Level = Peak Emission g(Duty cycle) ding: Antenna Factor + Cable	n*Lr S
Test results:	15.35(c). Duty of On time =N1*L Where N1 is n length of type Average Emis Level + 20*log Corrected Read Loss + Read Le	1+N2*L2++Nn-1*LNn-1+Nn number of type 1 pulses, L1 is 1 pulses, etc. sion Level = Peak Emission g(Duty cycle) ding: Antenna Factor + Cable	n*Lr S
Test results:	15.35(c). Duty of On time =N1*L Where N1 is n length of type Average Emis Level + 20*log Corrected Read Loss + Read Le	1+N2*L2++Nn-1*LNn-1+Nn number of type 1 pulses, L1 is 1 pulses, etc. sion Level = Peak Emission g(Duty cycle) ding: Antenna Factor + Cable	n*Lr S



5.11.2. Test Instruments

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	Radiated En	nission Test Site	e (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	Feb. 24, 2023
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Feb. 24, 2023
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	Feb. 24, 2023
Coaxial cable	SKET	RC-DC18G-N	N/A	Feb. 24, 2023
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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5.11.3. Test Data

Please refer to following diagram for individual

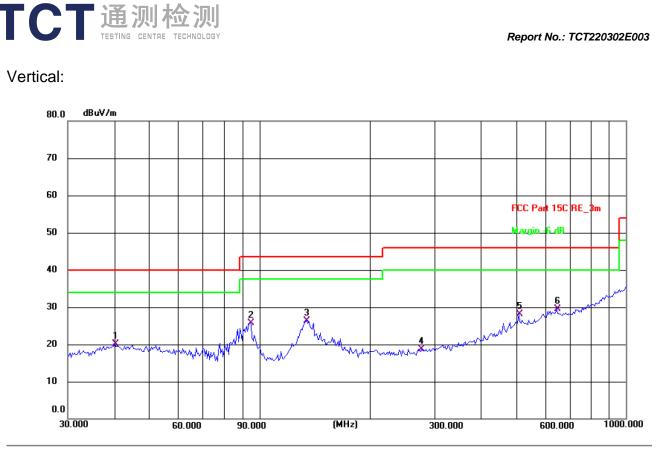


Site #1 3m Anechoic Chamber Limit: FCC Part 15C RE_3m Polarization: *Horizontal* Power: DC 18.0V Temperature: 28(C) Humidity: 53 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	45.0583	7.59	13.59	21.18	40.00	-18.82	QP	Ρ	
2	63.5356	<mark>5.8</mark> 5	11.73	17.58	40.00	-22.42	QP	Р	
3	94. 0 979	12.20	9.09	21.29	43.50	-22.21	QP	Ρ	
4 *	136.4598	13.14	12.46	25.60	43.50	-17.90	QP	Р	
5	252.9482	11.48	12.30	23.78	46.00	-22.22	QP	Ρ	
6	440.1963	6.86	17.03	23.89	46.00	-22.11	QP	Ρ	



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	1 3m Anecho FCC Part 150		er	Polarization: Vertical Power: DC 18.0V					Temperature: 28	(C)	Humidity: 53	3 %
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin		P/F	Remark			1
1	40.2757	6.47	13.72	20.19	40.00	-19.81	QP	Ρ				٦
2	94.0979	16.58	9.09	25.67	43.50	-17.83	QP	Ρ				٦
3	133. <mark>61</mark> 88	13.98	12.31	26.29	43.50	-17.21	QP	Ρ				
4	277.0935	5.78	12.97	18.75	46.00	-27.25	QP	Ρ				
5	510.0436	9.43	18.73	28.16	46.00	-17.84	QP	Ρ				
6 *	647.3856	8.14	21.29	29.43	46.00	-16.57	QP	Ρ				

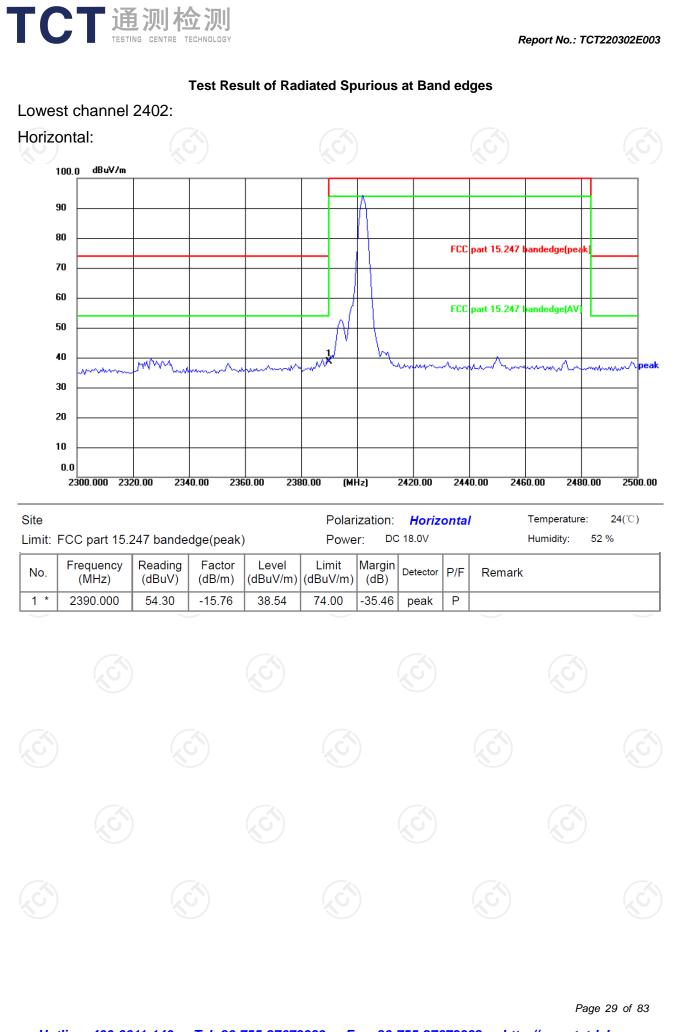
Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Measurements were conducted in all three channels (high, middle, low) and two modulation (GFSK, Pi/4 DQPSK) and the worst case Mode (Middle channel and Pi/4 DQPSK) was submitted only.
 Freq. = Emission frequency in MHz

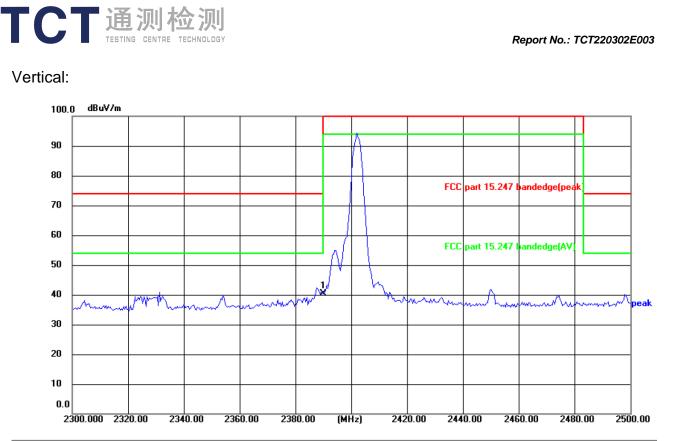
Measurement ($dB\mu V/m$) = Reading level ($dB\mu V$) + Corr. Factor (dB) Correction Factor= Antenna Factor + Cable loss – Pre-amplifier Limit ($dB\mu V/m$) = Limit stated in standard

 $Over (dB) = Measurement (dB\mu V/m) - Limits (dB\mu V/m)$

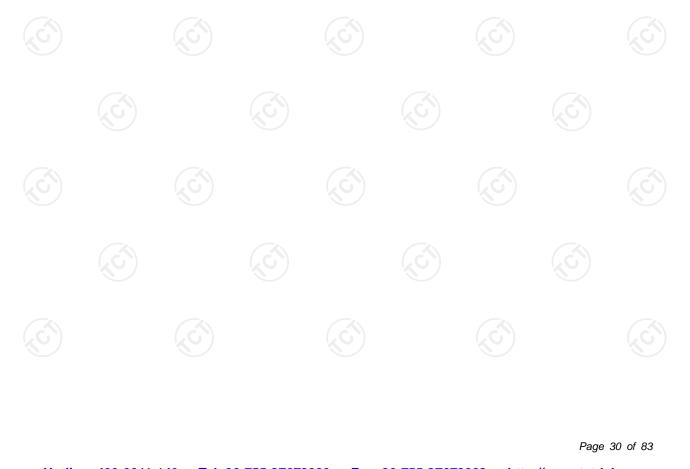
* is meaning the worst frequency has been tested in the test frequency range.



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Site					Polarization: Vertical					Temperature	: 24(°C)
Limit:	FCC part 15.2	247 bande)	Power: DC 18.0V					Humidity:	52 %	
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark	[
1 *	2390.000	56.03	-15.76	40.27	74.00	-33.73	peak	Ρ			



1	00.0 dBu∀/m										_	
_							_				h l	
9	0										11	
8	0						_	FCC	part 15.247 t	andedgefne	L.	_
7	0							100	part 13.247 1	andedge(pe		
6	0							FCC	part 15.247 t	andedge(AV		
5	0						_			-N-	\square	_
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3	0											
2	0											-
1	o						_					
	0.0											
	2300.000 232	0.00 234	0.00 230	60.00 238	0.00 (MI	1z) 2	2420.00	244	0.00 246	0.00 24	30.00	2500.0
te					Polar	ization:	Horizo	ntal		Temperatur	·e· 2	4(°C)
	-CC part 15.2	247 bande	dae(peak)	Powe		18.0V	Jiitai		Humidity:	52 %	(())
	Frequency	Reading	Factor	Level	Limit	Margin						
No.	(MHz)	(dBuV)	(dB/m)		(dBuV/m)	(dB)	Detector	P/F	Remark			
1 *	2483.500	73.92	-15.41	58.51	74.00	-15.49	peak	Ρ				
2	2483.500	46.82	-15.41	31.41	54.00	-22.59	AVG	P				1.0



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Horizontal:

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C			 						R	eport No.:	TCT220302E
because because the tension of tension o											
10	00.0 dBuV/m										
90	0						_				
8	0						_				
70	0						_	FCC	part 15.247 t	andedgelpe	
60	0										
50	n							FCC	part 15.247 t	andedge(AV	
										, w	h.
	man	MMM	mana	mmmm	Mann	morm	Ann	An	mmm	m hall	2 S
31	0										
20	0										
10	0						_				
I		0.00 234	0.00 236	0.00 238	10.00 (M	Hz)	2420.00	244	0.00 246	0.00 248	30.00 2500
	FCC part 15.2 Frequency (MHz)	247 bande Reading (dBuV)	dge(peak) Factor (dB/m)	Level	Powe Limit (dBuV/m)	er: DC Margin	Detector		Remark	Humidity:	52 %
*	2483.500	75.01	-15.41	59.60	74.00	-14.40	peak	P			
2	2483.500	47.65	-15.41	32.24	54.00	-21.76	AVG	Ρ			
	Measurement (Pi/4 DQPSK	s were con) was subn	nitted only.		G	rsk, <i>pi</i> /	4 DQPS	n), a		st case Mo	de
										F	Page 32 of 8

I

Above 1GHz

Modulation Type: Pi/4 DQPSK										
Low channel: 2402 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
4804	Н	46.53		0.66	47.19		74	54	-6.81	
7206	Н	37.05		9.50	46.55		74	54	-7.45	
	Н									
(
4804	V	45.37		0.66	46.03		74	54	-7.97	
7206	V	36.03		9.50	45.53		74	54	-8.47	
	V									

Middle cha	nnel: 2441	MHz		KC KC))				N.
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4882	Н	45.36		0.99	46.35		74	54	-7.65
7323	KOĤ)	35.28	-120	9.87	45.15	<u>0</u> -)-	74	54	-8.85
	Ĥ								
4882	V	46.32		0.99	47.31		74	54	-6.69
7323	V	36.71		9.87	46.58		74	54	-7.42
<u> </u>	V			'	· /				

High channel: 2480 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4960	Н	44.68		1.33	46.01		74	54	-7.99
7440	Н	35.34		10.22	45.56		74	54	-8.44
	Н	<u> </u>			2				
4960	V	44.36		1.33 🔪	45.69		74	54	-8.31
7440	V	33.51		10.22	43.73		74	54	-10.27
	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.

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

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

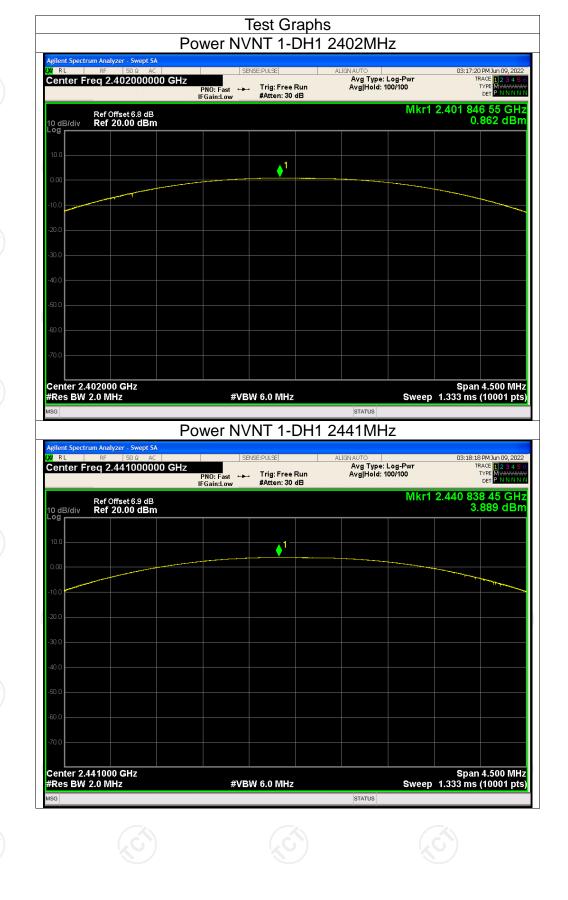


Appendix A: Test Result of Conducted Test

Maximum Conducted Output Power									
Condition	Mode Frequency (MHz)		Conducted Power (dBm)	Limit (dBm)	Verdict				
NVNT	1-DH1	2402	0.86	30	Pass				
NVNT	1-DH1	2441	3.89	30	Pass				
NVNT	1-DH1	2480	0.81	30	Pass				
NVNT	2-DH1	2402	1.49	21	Pass				
NVNT	2-DH1	2441	4.48	21	Pass				
NVNT	2-DH1	2480	1.40	21	Pass				



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03:19:58 PM Jun 09, 2022 TRACE 1 2 3 4 5 TYPE MWWWW DET P N N N N ALIGNAUTO Avg Type: Log-Pwr Avg|Hold: 100/100 Center Freq 2.480000000 GHz PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.479 839 35 GHz 0.806 dBm Ref Offset 6.85 dB Ref 20.00 dBm 10 dB/div Dg 1 Center 2.480000 GHz #Res BW 2.0 MHz Span 4.500 MHz Sweep 1.333 ms (10001 pts) #VBW 6.0 MHz STATUS Power NVNT 2-DH1 2402MHz Swe a RL SENSE:PULSE 59 PM Jun 09, 202 Center Freq 2.402000000 GHz Avg Type: Log-Pwr Avg|Hold: 100/100 TRACE 1234 TYPE MWWW DET PNNN PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.401 896 65 GHz 1.485 dBm Ref Offset 6.8 dB Ref 20.00 dBm 10 dB/div Log **≬**¹ Center 2.402000 GHz #Res BW 2.0 MHz Span 6.500 MHz Sweep 1.333 ms (10001 pts) #VBW 6.0 MHz STATUS

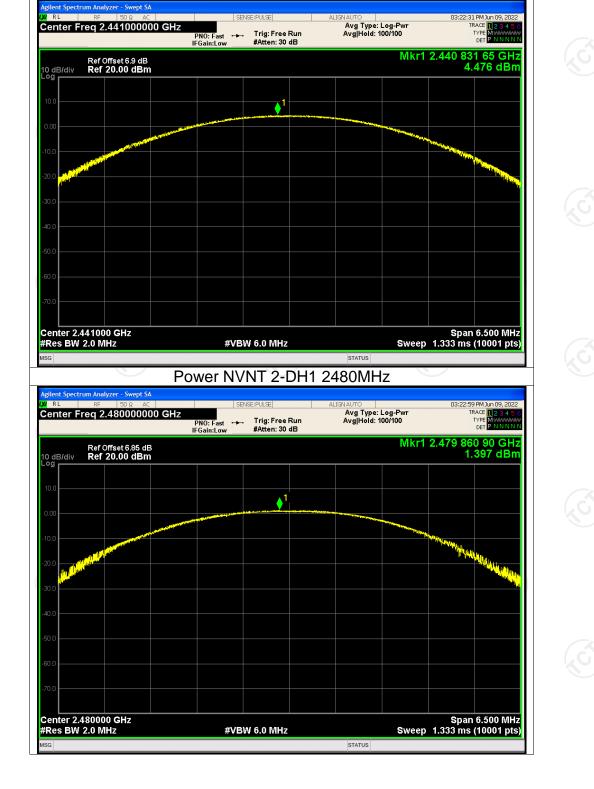
Power NVNT 1-DH1 2480MHz

SENSE:PULSE

RL

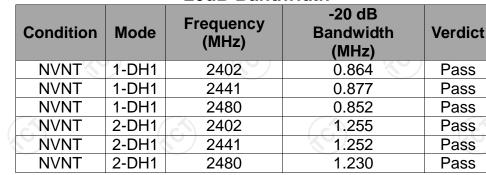
gilent Spectrum Analyzer - Swept SA

Report No.: TCT220302E003



Power NVNT 2-DH1 2441MHz

Report No.: TCT220302E003



-20dB Bandwidth







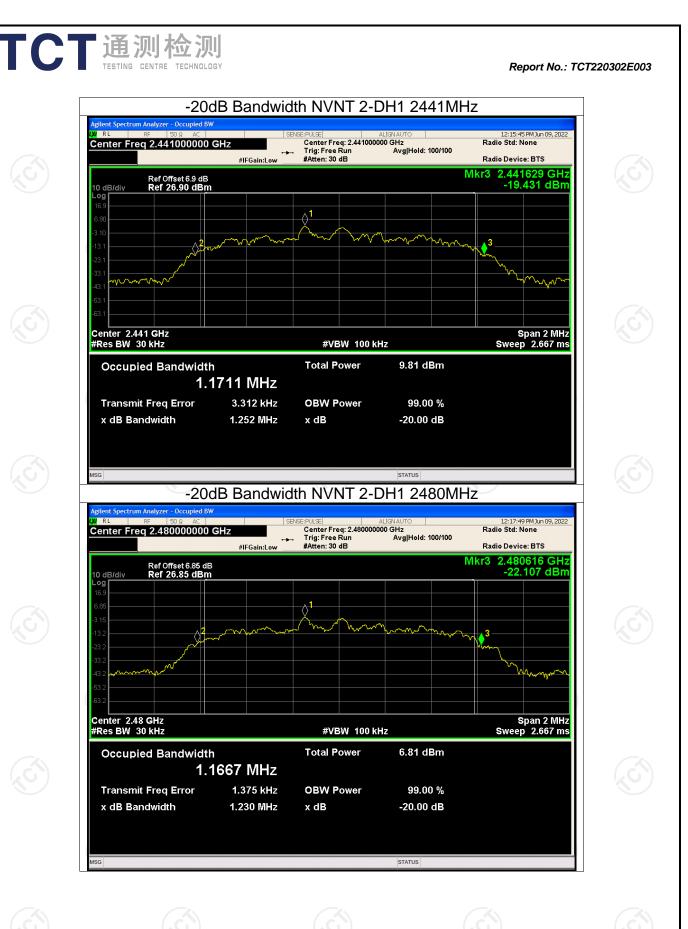
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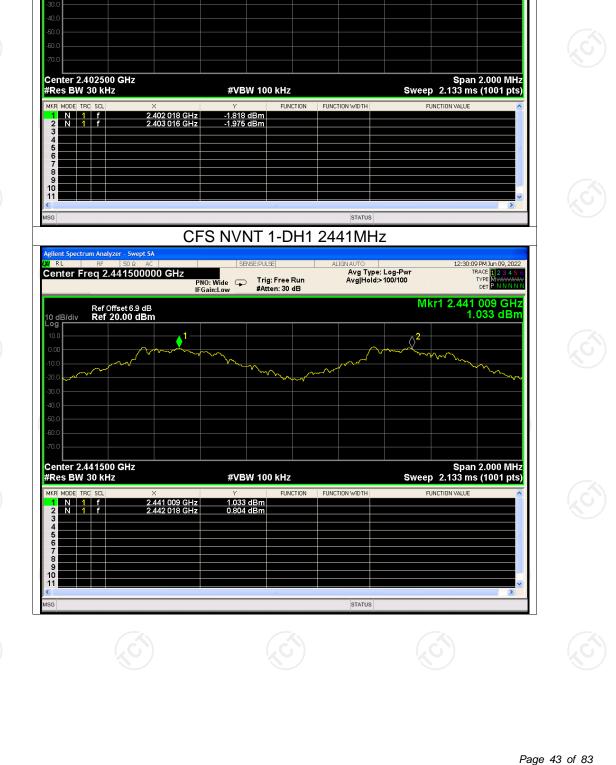
Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict			
NVNT	1-DH1	2402.018	2403.016	0.998	0.877	Pass			
NVNT	1-DH1	2441.009	2442.018	1.009	0.877	Pass			
NVNT	1-DH1	2479.018	2480.020	1.002	0.877	Pass			
NVNT	2-DH1	2402.013	2403.012	0.999	0.837	Pass			
NVNT	2-DH1	2440.989	2441.997	1.008	0.837	Pass			
NVNT	2-DH1	2478.982	2479.989	1.007	0.837	Pass			

Carrier Frequencies Separation



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Test Graphs

PNO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB

Avg Type: Log-Pwr Avg|Hold:>100/100

⊘²

CFS NVNT 1-DH1 2402MHz

▲¹

gilent Spectrum Analyzer - Swept SA

Center Freq 2.402500000 GHz

Ref Offset 6.8 dB Ref 20.00 dBm

RL

10 dB/div ∟og **r**

Report No.: TCT220302E003

:48 PM Jun 09, 2022

Mkr1 2.402 018 GHz -1.818 dBm

TRACE 123456 TYPE MMMMMM DET PNNNNN





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Band Edge									
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict			
NVNT	1-DH1	2402	No-Hopping	-52.57	-20	Pass			
NVNT	1-DH1	2480	No-Hopping	-49.87	-20	Pass			
NVNT	2-DH1	2402	No-Hopping	-53.29	-20	Pass			
NVNT	2-DH1	2480	No-Hopping	-49.84	-20	Pass			
((

Report No.: TCT220302E003



www.www.www. mon m www M \mathbb{A} min Center 2.402000 GHz #Res BW 100 kHz Span 8.000 MHz Sweep 1.000 ms (1001 pts) #VBW 300 kHz STATUS Band Edge NVNT 1-DH1 2402MHz No-Hopping Emission RL SENSE:PULSE :40 PM Jun 09, 20) Center Freq 2.356000000 GHz TRACE TYPE DET Avg Type: Log-Pwr Avg|Hold: 100/100 PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB Mkr1 2.402 0 GHz -0.018 dBm Ref Offset 6.8 dB Ref 20.00 dBm 10 dB/di \Diamond^4 ∧³ // Stop 2.40600 GHz Sweep 9.600 ms (1001 pts) Start 2.30600 GHz #Res BW 100 kHz #VBW 300 kHz FUNCTION WIDTH 2.400 0 GHz 2.390 0 GHz 2.330 0 GHz -46.958 dBn -56.420 dBn -52.746 dBn NN 10

Test Graphs Band Edge NVNT 1-DH1 2402MHz No-Hopping Ref

> PNO: Wide +++ Trig: Free Run IFGain:Low #Atten: 30 dB

TCT通测检测 TESTING CENTRE TECHNOLOGY

RL

10 dB/div Log

gilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

Ref Offset 6.8 dB Ref 20.00 dBm Report No.: TCT220302E003

7 PM Jun 09, 202

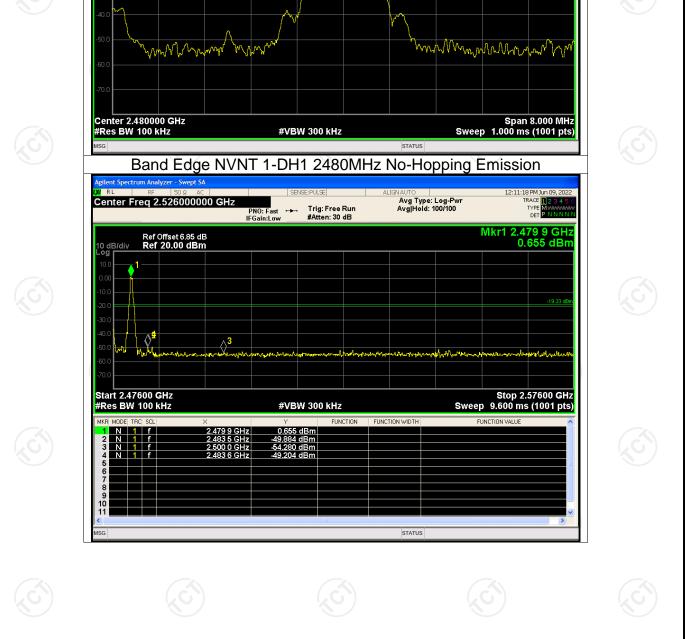
123456 MW////////

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TRACE TYPE DET

Mkr1 2.401 936 GHz -0.175 dBm

Avg Type: Log-Pwr Avg|Hold: 100/100



Band Edge NVNT 1-DH1 2480MHz No-Hopping Ref

^

SENSE:PULSE

PNO: Wide 🛶 Trig: Free Run IFGain:Low #Atten: 30 dB ALIGNAUTO Avg Type: Log-Pwr Avg|Hold: 100/100

RL

10 dB/div

Center Freq 2.480000000 GHz

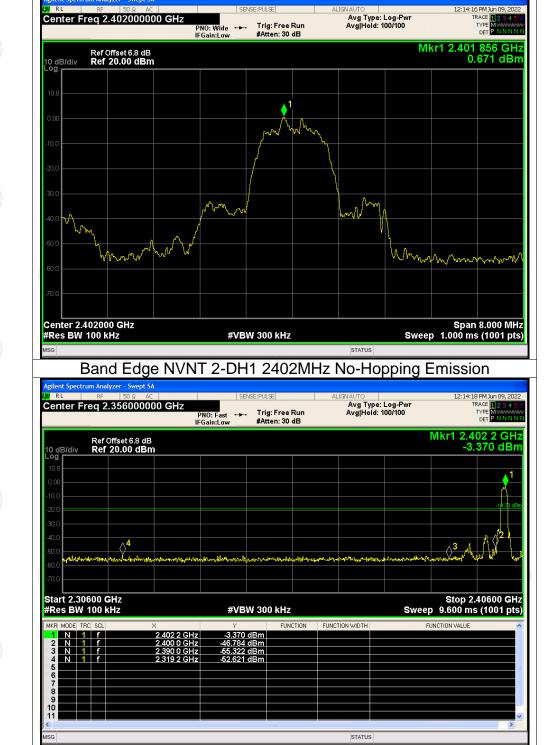
Ref Offset 6.85 dB Ref 20.00 dBm

Report No.: TCT220302E003

12:11:15 PM Jun 09, 20 TRACE 1 2 3 4 TYPE MWWW DET P N N N

Mkr1 2.479 856 GHz 0.666 dBm

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Band Edge NVNT 2-DH1 2402MHz No-Hopping Ref

SENSE:PULSE

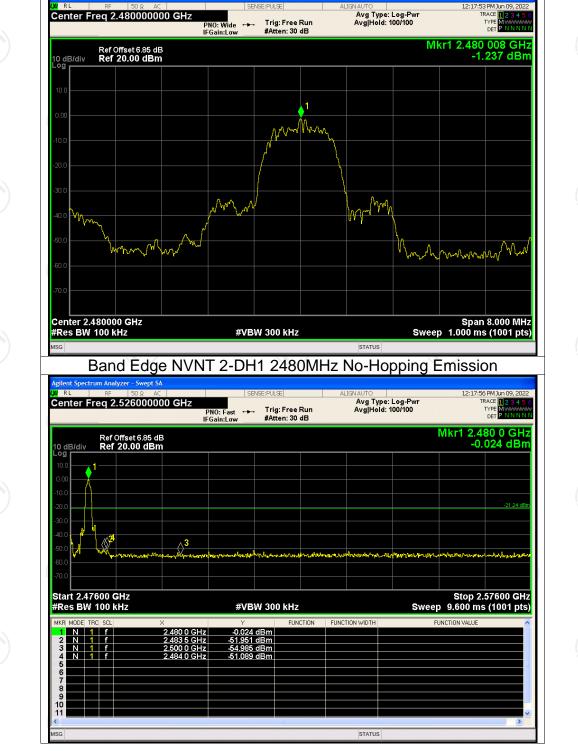


RL

Center Freq 2.402000000 GHz





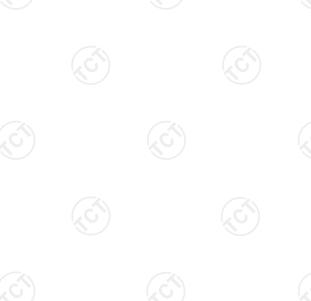


Band Edge NVNT 2-DH1 2480MHz No-Hopping Ref

Report No.: TCT220302E003

Ballu Euge(nopping)									
Condition Mode		Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict			
NVNT	1-DH1	2402	Hopping	-58.80	-20	Pass			
NVNT	1-DH1	2480	Hopping	-50.71	-20	Pass			
NVNT	2-DH1	2402	Hopping	-52.26	-20	Pass			
NVNT	2-DH1	2480	Hopping	-51.93	-20	Pass			

Band Edge(Hopping)









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Test Graphs

PNO: Wide ---- Trig: Free Run IFGain:Low #Atten: 30 dB

Avg Type: Log-Pwr Avg|Hold: 2000/2000

TCT通测检测 TESTING CENTRE TECHNOLOGY Band Edge(Hopping) NVNT 1-DH1 2402MHz Hopping Ref

Center Freq 2.402000000 GHz

Ref Offset 2.19 dB Ref 20.00 dBm

Keysight Spectrum Analyzer

10 dB/div Log

Report No.: TCT220302E003

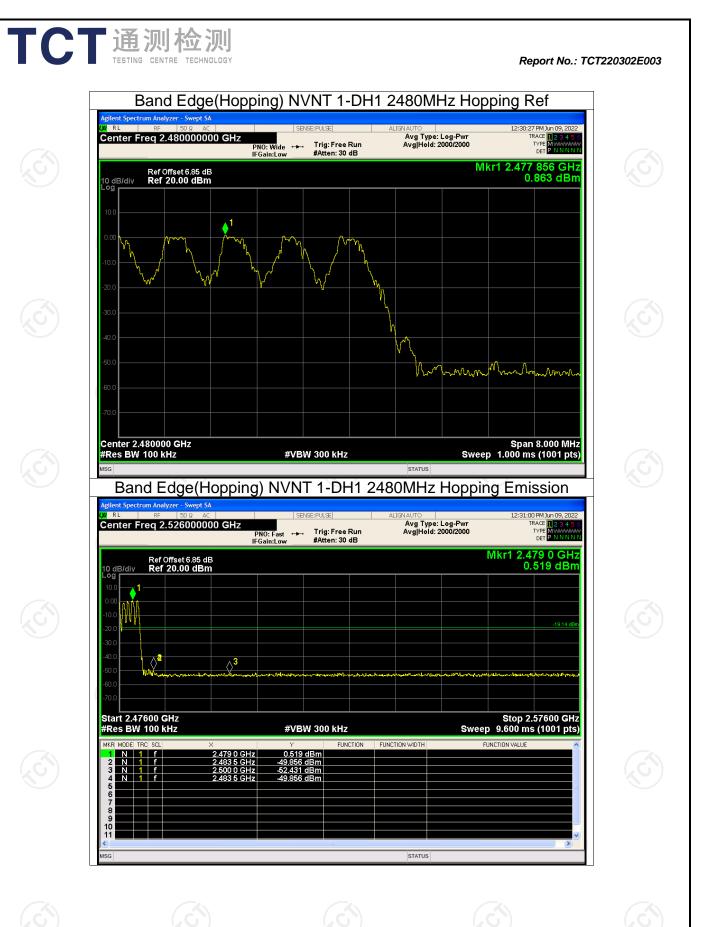
11:31:49 AM Jun 10, 2022

NNNN

TYPE DET 12345 (Maaaaaaaa

Mkr1 2.402 016 GHz 1.528 dBm

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Report No.: TCT220302E003



Conducted	RF	Sp	urious	Emission
001100000			anouo	

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	-38.59	-20	Pass
NVNT	1-DH1	2441	-40.26	-20	Pass
NVNT	1-DH1	2480	-39.32	-20	Pass
NVNT	2-DH1	2402	-42.95	-20	Pass
NVNT	2-DH1	2441	-41.99	-20	Pass
NVNT	2-DH1	2480	-39.98	-20	Pass



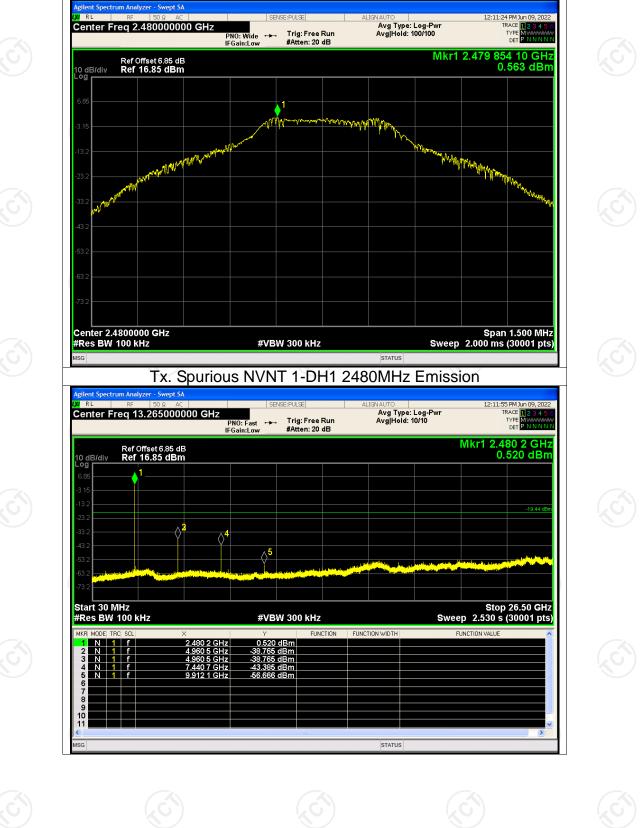
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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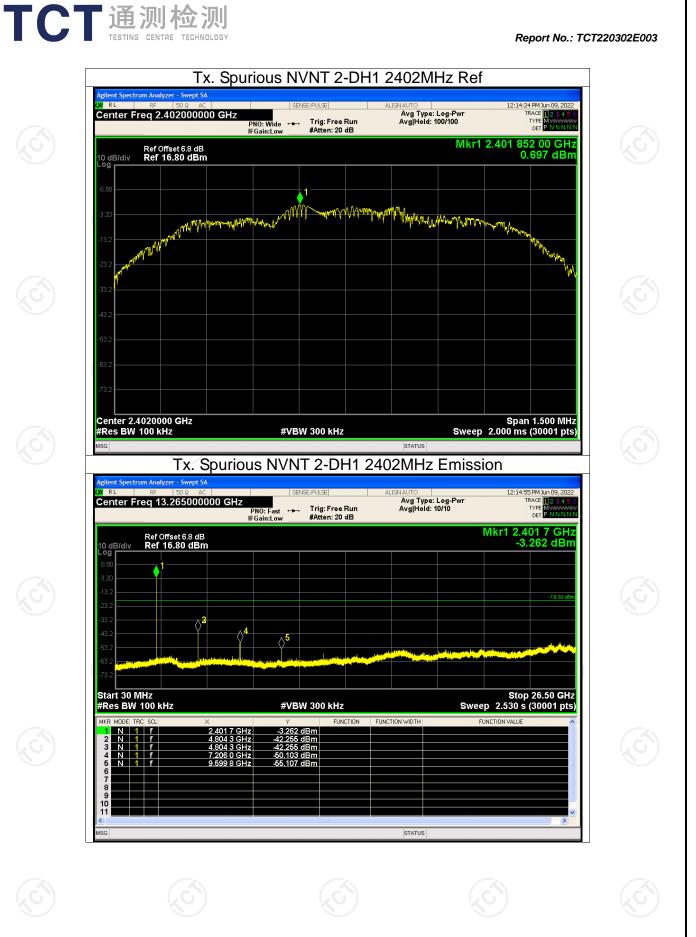


Tx. Spurious NVNT 1-DH1 2480MHz Ref

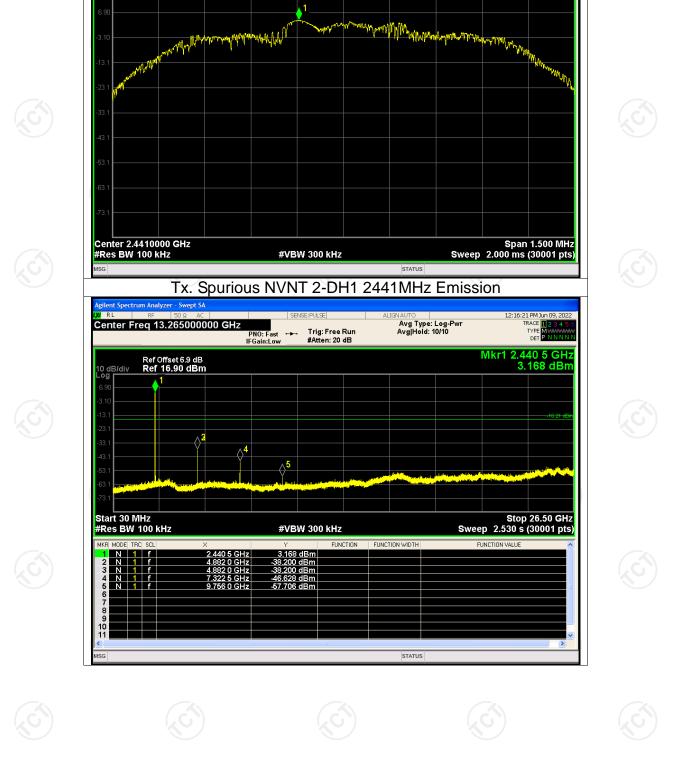
Report No.: TCT220302E003

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Tx. Spurious NVNT 2-DH1 2441MHz Ref

SENSE:PULSE

PNO: Wide 🔸 Trig: Free Run IFGain:Low #Atten: 20 dB ALIGN AUTO Avg Type: Log-Pwr Avg|Hold: 100/100

gilent Spect

10 dB/div

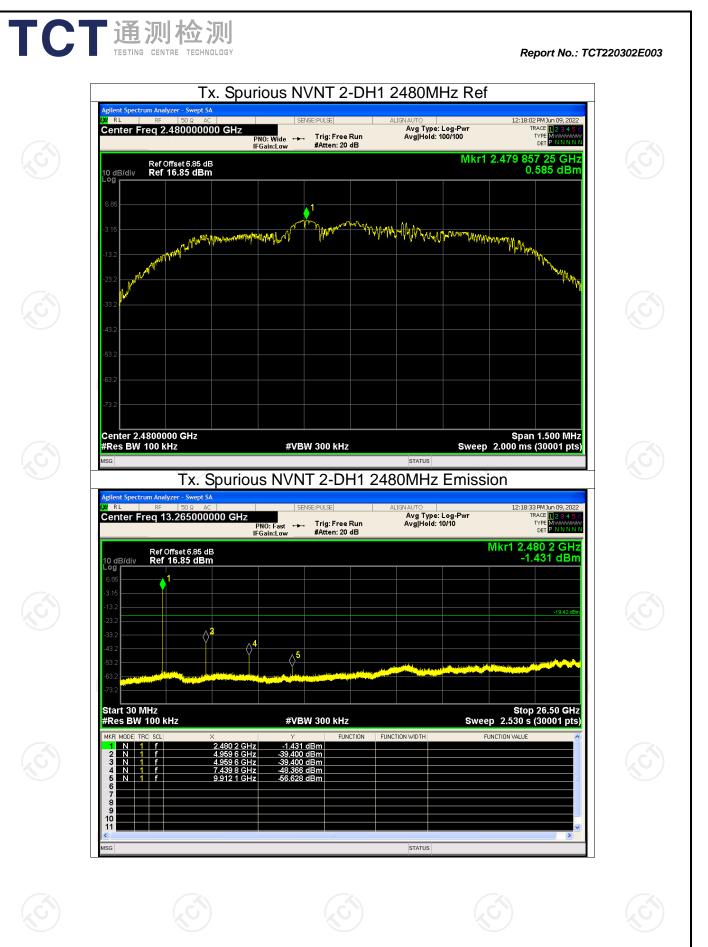
Center Freq 2.441000000 GHz

Ref Offset 6.9 dB Ref 16.90 dBm Report No.: TCT220302E003

50 PM Jun 09, 20 TRACE **1** 2 3 4 TYPE MWWW DET PNNN

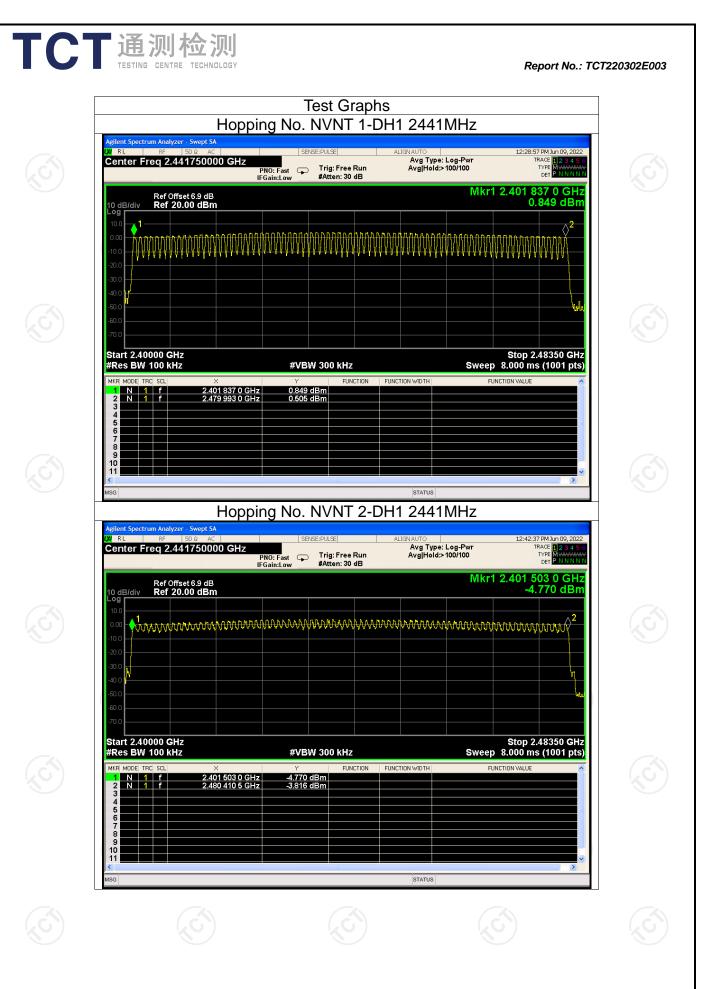
Mkr1 2.440 854 80 GHz 3.788 dBm

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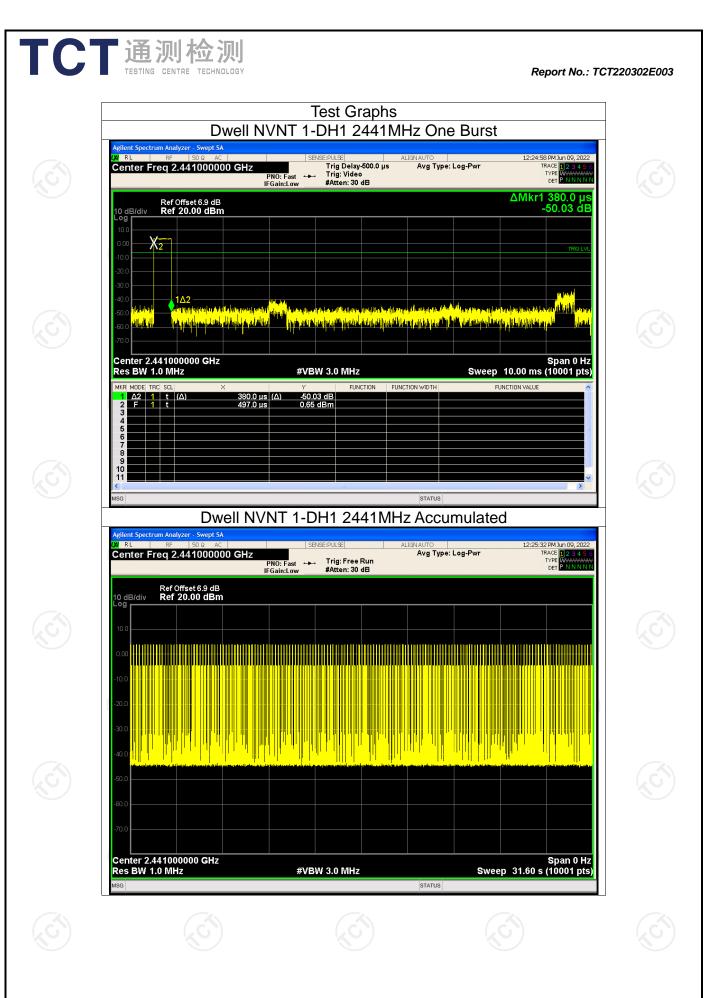
Verd Pas	Limit 15	g Channe umber	lopping N 79	e F	Mode 1-DH	Condition NVNT	C
Pas	15		79		2-DH	NVNT	



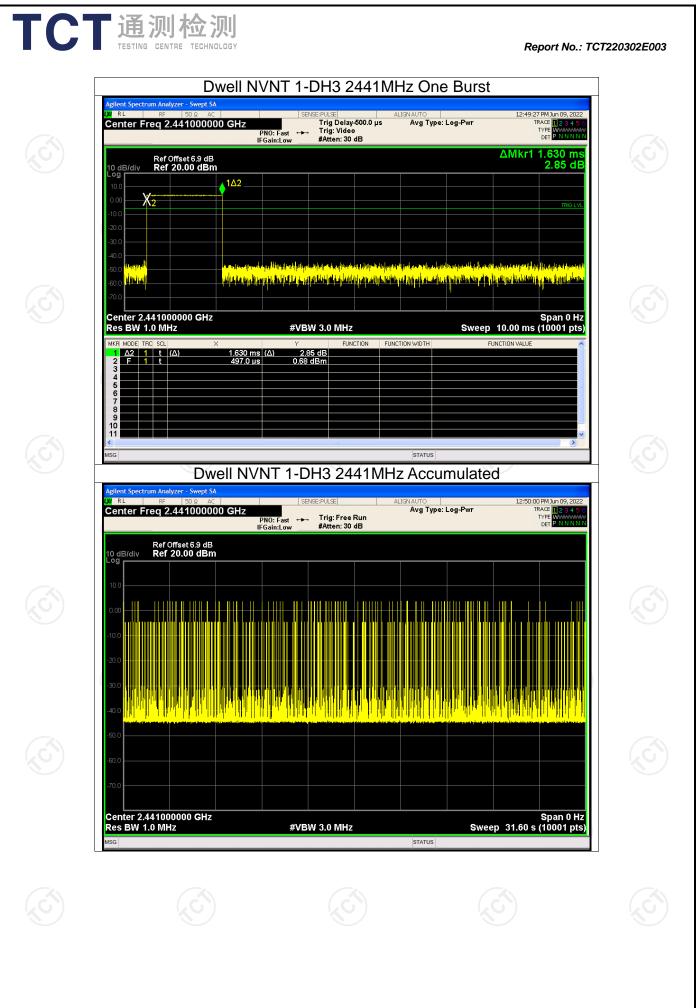
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Dwell Time									
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict	
NVNT	1-DH1	2441	0.38	120.84	318	31600	400	Pass	
NVNT	1-DH3	2441	1.63	185.82	114	31600	400	Pass	
NVNT	1-DH5	2441	2.88	169.92	59	31600	400	Pass	
NVNT	2-DH1	2441	0.39	123.63	317	31600	400	Pass	
NVNT	2-DH3	2441	1.64	170.56	104	31600	400	Pass	
NVNT	2-DH5	2441	2.89	164.73	57	31600	400	Pass	

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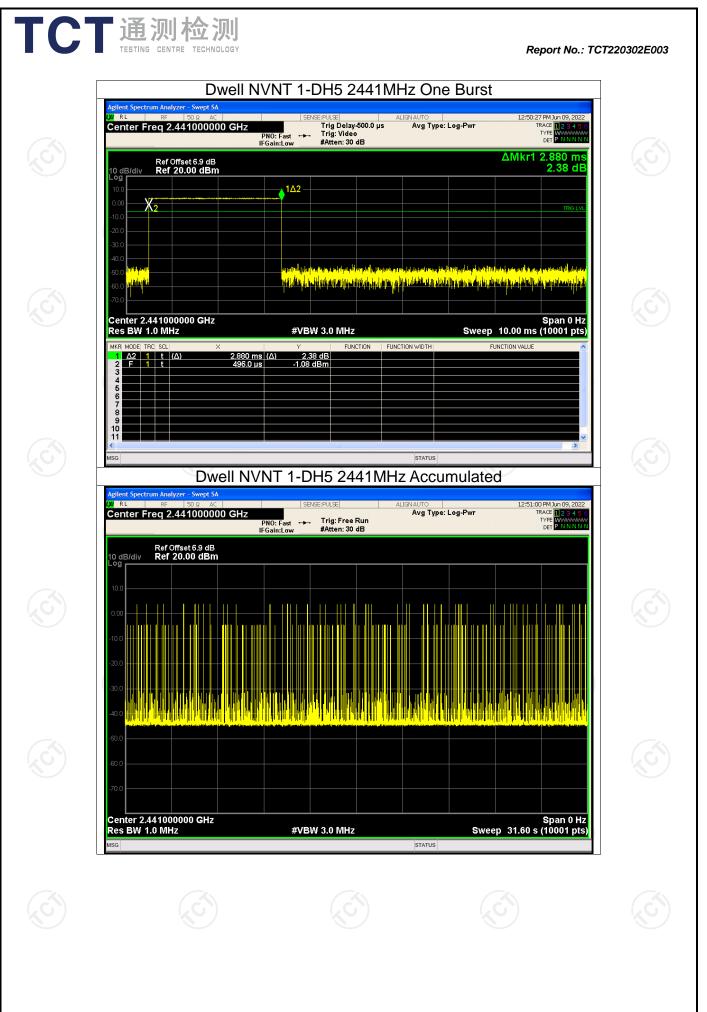


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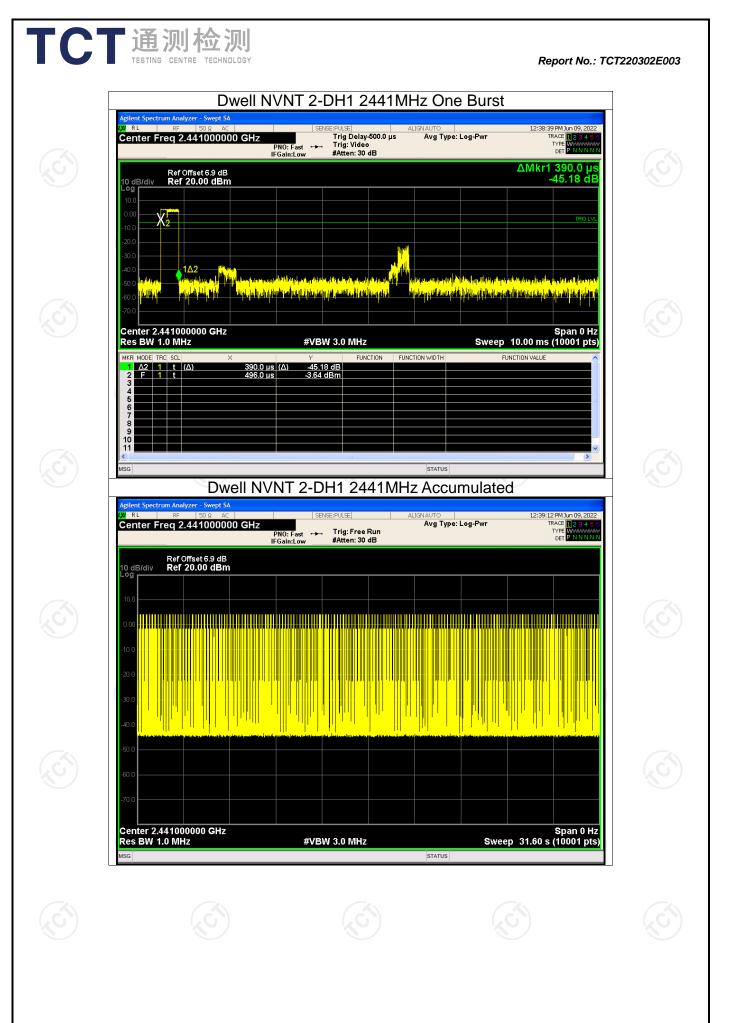


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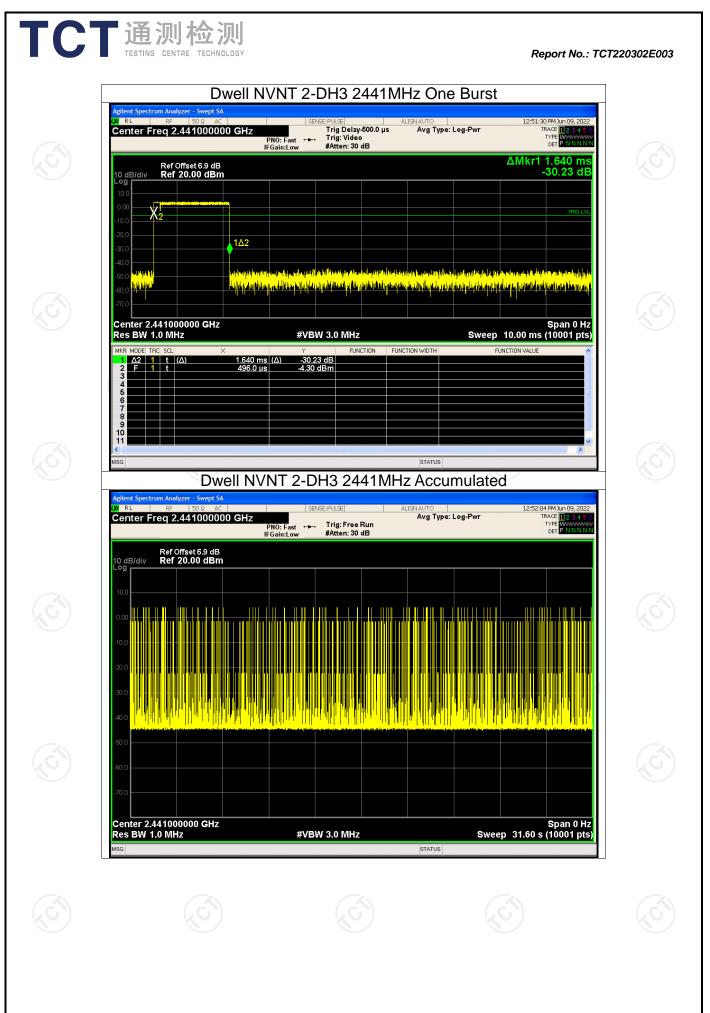
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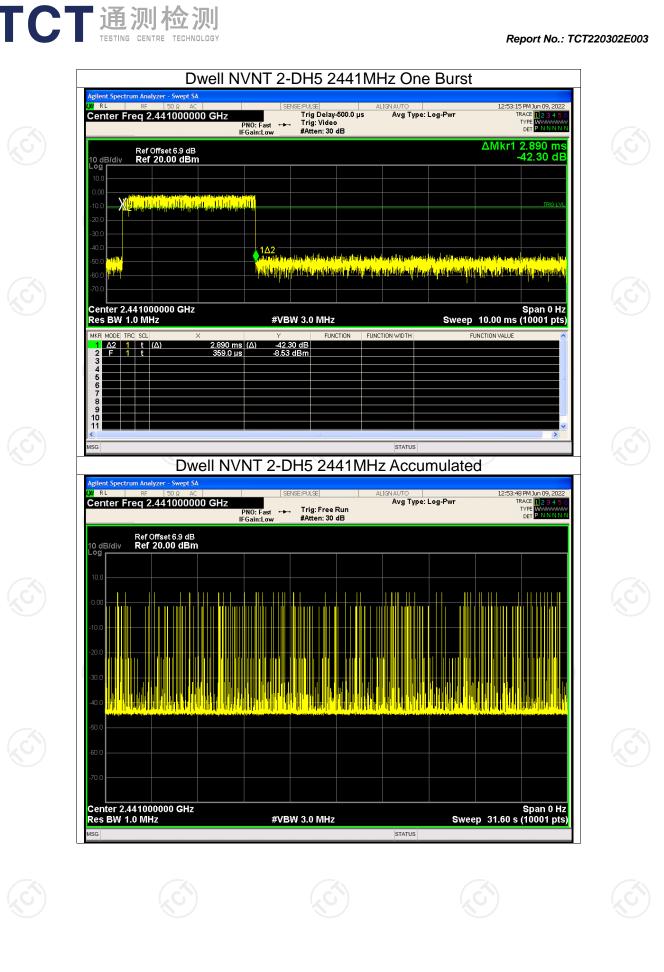
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