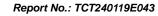


TESTING CENTRE TEC	TEST REPORT
FCC ID::	2BEQO-T80
Test Report No::	TCT240119E043
Date of issue::	Jan. 29, 2024
Testing laboratory:	SHENZHEN TONGCE TESTING LAB
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China
Applicant's name::	SHENZHEN HAOCHENG TECHNOLOGY CO., LTD
Address::	501, Main Building, Qiaocheng No.1 Plaza, No.2 shenyun Road, Gaofa Community, Shahe Street, Nanshan District, Shenzhen city 518000, China
Manufacturer's name:	SHENZHEN HAOCHENG TECHNOLOGY CO., LTD
Address:	501, Main Building, Qiaocheng No.1 Plaza, No.2 shenyun Road, Gaofa Community, Shahe Street, Nanshan District, Shenzhen city 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
Product Name::	SmartWatch
Trade Mark:	N/A
Model/Type reference:	T80, T80A, T80B, T80C, T80D, T80E, T80F, T80G, T80H, T80I
Rating(s)::	Rechargeable Li-ion Battery DC 3.7V
Date of receipt of test item:	Jan. 19, 2024
Date (s) of performance of test:	Jan. 19, 2024 ~ Jan. 29, 2024
Tested by (+signature):	Onnado YE
Check by (+signature):	Beryl ZHAO Roy( TCT)
Approved by (+signature):	Tomsin

### General disclaimer:

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# 1. General Product Information

# 1.1. EUT description

SmartWatch	(3)
T80	
RH281L_V02	
V006242	
TCT240119E043-0101	
V5.2 (This report is for BDR+EDR)	((0))
2402MHz~2480MHz	
1/2/3 Mbits/s	
79	
GFSK, π/4-DQPSK, 8DPSK	
FHSS	(0)
FPC Antenna	
-3.68dBi	
Rechargeable Li-ion Battery DC 3.7V	
	SmartWatch T80 RH281L_V02 V006242 TCT240119E043-0101 V5.2 (This report is for BDR+EDR) 2402MHz~2480MHz 1/2/3 Mbits/s 79 GFSK, π/4-DQPSK, 8DPSK FHSS FPC Antenna -3.68dBi Rechargeable Li-ion Battery DC 3.7V

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

# 1.2. Model(s) list

No.	Model No.	Tested with
1	T80	
Other models	T80A, T80B, T80C, T80D, T80E, T80F, T80G, T80H, T80I	

Note: T80 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 T80 can represent the remaining models.



# 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
···		·		<b></b>		·	
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
	<b>O</b>				<b>O</b>		<b></b>
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.





# 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.





TESTING CENTRE TECHNOLOGY Report No.: TCT240119E043

### 3. General Information

### 3.1. Test environment and mode

Operating Environment:							
Condition	Conducted Emission	Radiated Emission					
Temperature:	23.5 °C	24.2 °C					
Humidity:	52 % RH	51 % RH					
Atmospheric Pressure:	1010 mbar	1010 mbar					
Test Software:							
Software Information: RtlBluetoothMP.dll Version:5.3.1.80 RTLBTAPP Version:5.2.3.14							
Power Level:	20	(c)					
Test Mode:							
Engineering mode:	Keep the EUT in continuous channel and modulations wi	th 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
Adapter	EP-TA200	R37M4PR7QD4SE3	/	SAMSUNG

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 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
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

Report No.: TCT240119E043



### 5. Test Results and Measurement Data

### 5.1. Antenna requirement

# **Standard requirement:** FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

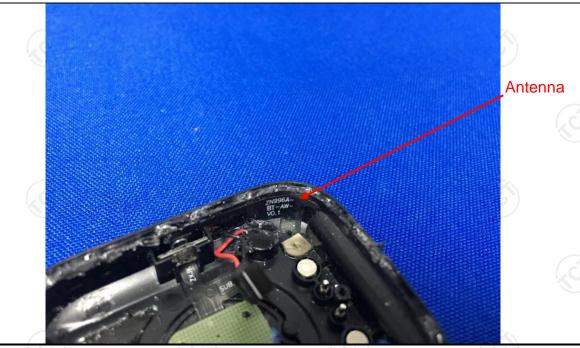
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 FPC antenna which permanently attached, and the best case gain of the antenna is -3.68dBi.





### 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	e=auto			
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit ( Quasi-peak 66 to 56* 56 60	dBuV) Average 56 to 46* 46 50			
Test Setup:	Reference 40cm 40cm  E.U.T AC power  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization New Test table height=0.8m	r 80cm LISN Filte	r — AC power			
Test Mode:	Charging + Transmittin	ng Mode				
Test Procedure:	1. The E.U.T is connect impedance stabilized provides a 500hm/5 measuring equipmer.  2. The peripheral deviced power through a LI coupling impedance refer to the block photographs).  3. Both sides of A.C. conducted interference emission, the relative the interface cables ANSI C63.10:2013 of the conducted interface.	cted to an adaptoration network 50uH coupling import.  Ses are also connects are also connects with 50ohm terrediagram of the line are checked in ce. In order to five positions of equality must be changed.	(L.I.S.N.). This appedance for the ected to the main a 500hm/50uH mination. (Please test setup and ed for maximum and the maximum sipment and all of according to			
	ANSI C03.10.2013 C	in conducted mea	asurement.			



### 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	Jun. 29, 2024					
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Feb. 20, 2024					
Line-5	TCT	CE-05	/	Jul. 03, 2024					
EMI Test Software	Shurple Technology	EZ-EMC	1 (3)	1 6					

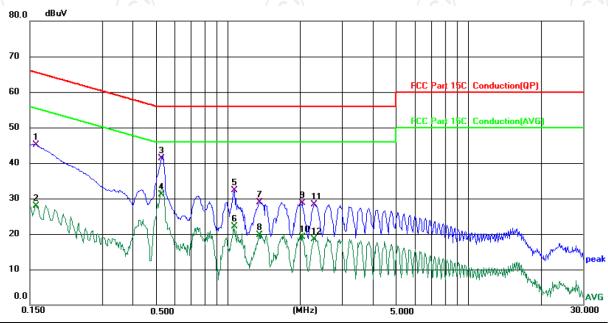




#### 5.2.3. Test data

### Please refer to following diagram for individual

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



Site 844 Shielding Room

Phase: L1

Temperature: 23.5 (℃)

Humidity: 52 %

Report No.: TCT240119E043

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	dBu∀	dB	dBu∨	dBu∀	dB	Detector	Comment
1		0.1590	35.06	10.12	45.18	65.52	-20.34	QP	
2		0.1590	17.85	10.12	27.97	55.52	-27.55	AVG	
3	*	0.5299	31.90	9.43	41.33	56.00	-14.67	QP	
4		0.5299	21.77	9.43	31.20	46.00	-14.80	AVG	
5		1.0700	23.43	8.91	32.34	56.00	-23.66	QP	
6		1.0700	13.20	8.91	22.11	46.00	-23.89	AVG	
7		1.3580	18.94	10.00	28.94	56.00	-27.06	QP	
8		1.3580	9.80	10.00	19.80	46.00	-26.20	AVG	
9		2.0380	18.76	10.01	28.77	56.00	-27.23	QP	
10		2.0380	9.10	10.01	19.11	46.00	-26.89	AVG	
11		2.2940	18.21	10.03	28.24	56.00	-27.76	QP	
12		2.2940	8.51	10.03	18.54	46.00	-27.46	AVG	

### 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)

 $Limit (dB\mu V) = Limit stated in standard$ 

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$ 

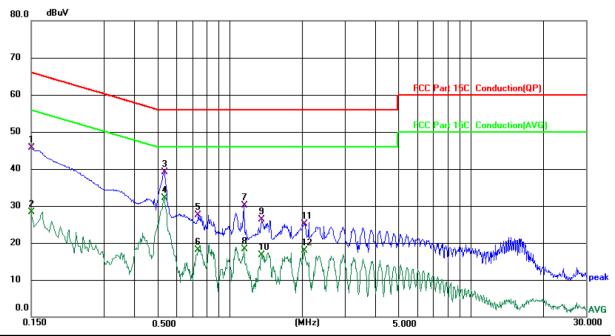
Q.P. =Quasi-Peak

AVG =average

<sup>\*</sup> 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)



Site 844 Shielding Room

Phase: N

Temperature: 23.5 (°C)

Humidity: 52 %

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	dBu∀	dB	dBu∀	dBu∀	dB	Detector	Comment
1		0.1500	35.55	10.09	45.64	66.00	-20.36	QP	
2		0.1500	18.23	10.09	28.32	56.00	-27.68	AVG	
3		0.5340	29.67	9.43	39.10	56.00	-16.90	QP	
4	*	0.5340	22.66	9.43	32.09	46.00	-13.91	AVG	
5		0.7419	18.30	9.23	27.53	56.00	-28.47	QP	
6		0.7419	8.81	9.23	18.04	46.00	-27.96	AVG	
7		1.1419	21.31	8.85	30.16	56.00	-25.84	QP	
8		1.1419	9.53	8.85	18.38	46.00	-27.62	AVG	
9		1.3580	16.20	10.01	26.21	56.00	-29.79	QP	
10		1.3580	6.66	10.01	16.67	46.00	-29.33	AVG	
11		2.0339	15.16	10.02	25.18	56.00	-30.82	QP	
12		2.0339	7.87	10.02	17.89	46.00	-28.11	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 (dBµV) = 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 three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (Highest channel and 8DPSK) was submitted only.

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



# 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 EUT		
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	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	9 /	(0)



# 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 mod	e with modul	ation	
Test Procedure:		E cable and a sted to the remum power continuously. In a surement. It is a surement as a surement on a function of the 20 dE Detector fur	attenuator. esults for eace setting and analyzer settines the nopping cha bandwidth action = peace	The path loss ach I enable the ettings for 20dB 20 dB annel; n; VBW≥3RBW; ak; Trace = max
Test Result:	PASS			

### 5.4.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	<b>Calibration Due</b>
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	/	/



# 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:	<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>Enable the EUT hopping function.</li> <li>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.</li> <li>Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report.</li> </ol>			
Test Result:	PASS			

### 5.5.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	1	1



# 5.6. Hopping Channel Number

# 5.6.1. Test Specification

J.o. 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:	<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>Enable the EUT hopping function.</li> <li>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.</li> <li>The number of hopping frequency used is defined as the number of total channel.</li> <li>Record the measurement data in report.</li> </ol>
Test Result:	PASS
1 7 . 1	

#### 5.6.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	<b>Calibration Due</b>
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	/	/



### 5.7. Dwell Time

# 5.7.1. Test Specification

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:	<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>Enable the EUT hopping function.</li> <li>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 &gt;&gt; 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.</li> <li>Measure and record the results in the test report.</li> </ol>
Test Result:	PASS

### 5.7.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	<b>Calibration Due</b>
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB		



### 5.8. Pseudorandom Frequency Hopping Sequence

### Test Requirement:

FCC Part15 C Section 15.247 (a)(1) requirement:

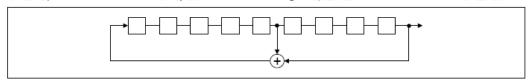
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

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. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

### **EUT Pseudorandom Frequency Hopping Sequence**

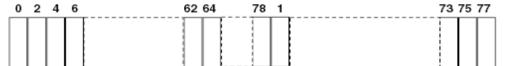
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)

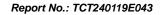


Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter. The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.





# 5.9. Conducted Band Edge Measurement

# 5.9.1. 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:	<ol> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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.</li> <li>Enable hopping function of the EUT and then repeat step 2 and 3.</li> <li>Measure and record the results in the test report.</li> </ol>			
Test Result:	PASS			

### 5.9.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	<b>Calibration Due</b>		
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024		
Combiner Box	Ascentest	AT890-RFB	/	/		





# **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:	<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 = 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.</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded against the limit line in the operating frequency band.</li> </ol>
Test Result:	PASS (C)

### 5.10.2. Test Instruments

Name	Manufacturer	Model No.	Serial Number	<b>Calibration Due</b>
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB		

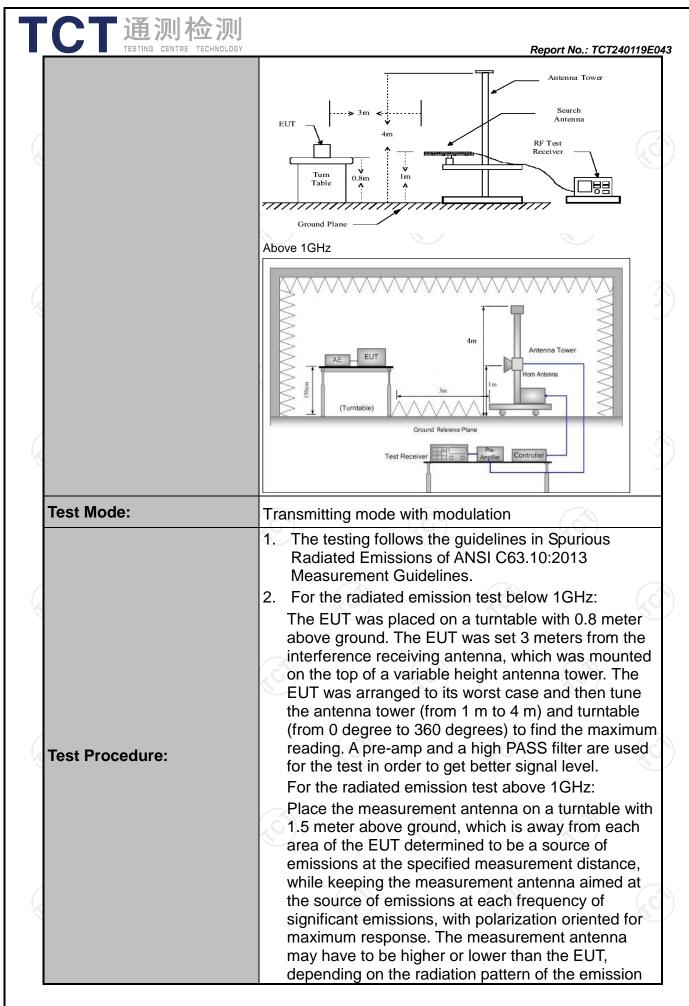
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# **5.11. Radiated Spurious Emission Measurement**

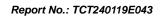
# 5.11.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10		. 10.200					
Frequency Range:	9 kHz to 25 (	J∏Z	<del>(1)</del>		<u>(,ć</u>			
Measurement Distance:	3 m					<u> </u>		
Antenna Polarization:	Horizontal &	Vertical						
	Frequency 9kHz- 150kHz	Detector	RBW k 200Hz	VBW 1kHz	_	Remark si-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-pea Quasi-pea		30kHz		si-peak Value		
	30MHz-1GHz	Quasi-pea	k 120KHz	300KHz	Quas	si-peak Value		
	Above 1GHz	Peak	1MHz	3MHz		eak Value		
	7,5576 15112	Peak	1MHz	10Hz	Ave	erage Value		
	Frequen	су	Field Stre (microvolts	-	Measurement Distance (meters)			
	0.009-0.4		2400/F(I		300			
	0.490-1.7		24000/F(	KHz)	30			
	1.705-3 30-88		30 100			30		
	88-216		150			3		
Limit:	216-96		200			3		
	Above 9	60	500			3		
	Frequency		d Strength ovolts/meter)	Measure Distan (mete	ce	Detector		
	Above 1GHz	7	500	3		Average		
	Above 10112		5000	3		Peak		
Test setup:	For radiated emis	ssions below	30MHz		Compu	iter		



<b>TCT通测检测</b>	
TESTING CENTRE TECHNOLOGY	Report No.: TCT240119E043
	and staying aimed at the emission source for receiving the maximum signal. The final 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.  3. Set to the maximum power setting and enable the
	<ul> <li>EUT transmit continuously.</li> <li>4. Use the following spectrum analyzer settings: <ul> <li>(1) Span shall wide enough to fully capture the emission being measured;</li> <li>(2) Set RBW=120 kHz for f &lt; 1 GHz, RBW=1MHz for f&gt;1GHz; VBW≥RBW;</li> </ul> </li> </ul>
	Sweep = auto; Detector function = peak; Trace = max hold for peak  (3) For average measurement: use duty cycle correction factor method per
	15.35(c). Duty cycle = On time/100 milliseconds On time =N1*L1+N2*L2++Nn-1*LNn-1+Nn*Ln Where N1 is number of type 1 pulses, L1 is length of type 1 pulses, etc. Average Emission Level = Peak Emission Level + 20*log(Duty cycle)
	Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
Test results:	PASS (A)







# 5.11.2. Test Instruments

	Radiated Em	nission Test Site	e (966)			
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due		
EMI Test Receiver	R&S	ESIB7	100197	Jun. 29, 2024		
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 29, 2024		
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Feb. 20, 2024		
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Feb. 20, 2024		
Pre-amplifier	HP	8447D	2727A05017	Jun. 27, 2024		
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jul. 02, 2024		
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 01, 2024		
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 01, 2024		
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 24, 2024		
Antenna Mast	Keleto	RE-AM	/	/		
Coaxial cable	SKET	RC-18G-N-M	1	Feb. 24, 2024		
Coaxial cable	SKET	RC_40G-K-M	/	Feb. 24, 2024		
EMI Test Software	Shurple Technology	EZ-EMC	(6)	1 6		



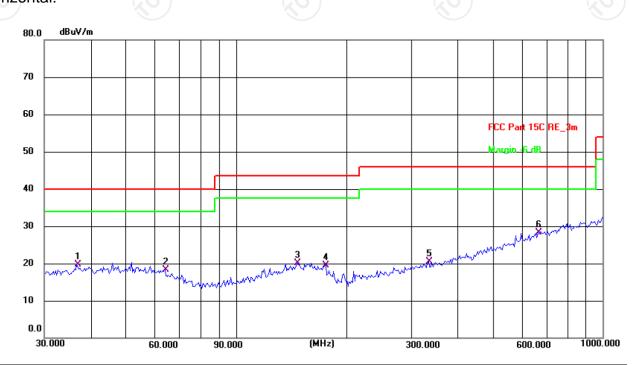


#### 5.11.3. Test Data

### Please refer to following diagram for individual

Horizontal:

**Below 1GHz** 

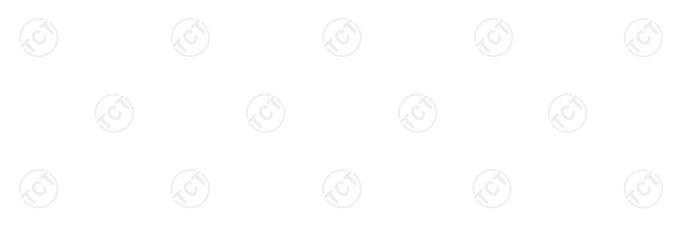


Site: #1 3m Anechoic Chamber Polarization: Horizontal Temperature: 24.2(C) Humidity: 51 %

Power: DC 3.7 V

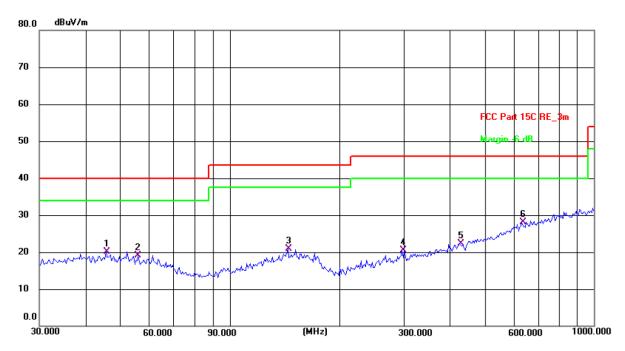
Limit: FCC Part 15C RE\_3m

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	36.7662	5.85	13.77	19.62	40.00	-20.38	QP	Р	
2	63.9828	6.09	12.20	18.29	40.00	-21.71	QP	Р	
3	147.4036	5.82	14.36	20.18	43.50	-23.32	QP	Р	
4	175.6516	6.94	12.64	19.58	43.50	-23.92	QP	Р	
5	334.8589	5.60	14.86	20.46	46.00	-25.54	QP	Р	
6 *	665.8035	6.47	21.80	28.27	46.00	-17.73	QP	Р	





#### Vertical:



Site: #1 3m Anechoic Chamber Polarization: Vertical Temperature: 24.2(C) Humidity: 51 %

Limit: FCC Part 15C RE\_3m Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	45.6948	6.38	13.82	20.20	40.00	-19.80	QP	Р	
2	56.0007	6.03	13.17	19.20	40.00	-20.80	QP	Р	
3	144.3348	6.81	14.08	20.89	43.50	-22.61	QP	Р	
4	297.2241	6.69	13.89	20.58	46.00	-25.42	QP	Р	
5	428.0193	5.21	17.11	22.32	46.00	-23.68	QP	Р	
6 *	633.9073	6.75	21.31	28.06	46.00	-17.94	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/4 DQPSK, 8DPSK) and the worst case Mode (Highest channel and 8DPSK) was submitted only. Both AC mode and Internal battery mode have been tested, only the Internal battery mode which is worse reported.
- 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 (dBµV/m) = Limit stated in standard

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

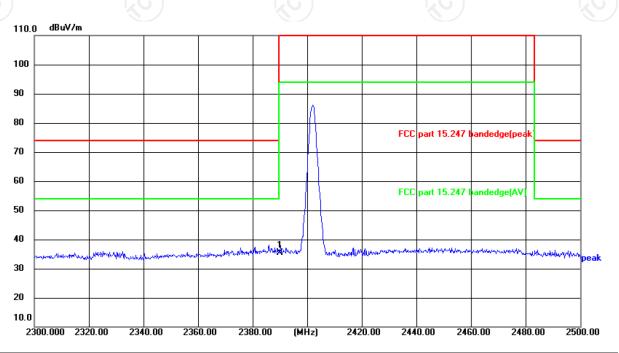
\* is meaning the worst frequency has been tested in the test frequency range.



#### Test Result of Radiated Spurious at Band edges

### Lowest channel 2402:

#### Horizontal:



Site: #3 3m Anechoic Chamber Polarization: *Horizontal* Temperature: 24.3(°C) Humidity: 51 %

Limit: FCC part 15.247 bandedge(peak)

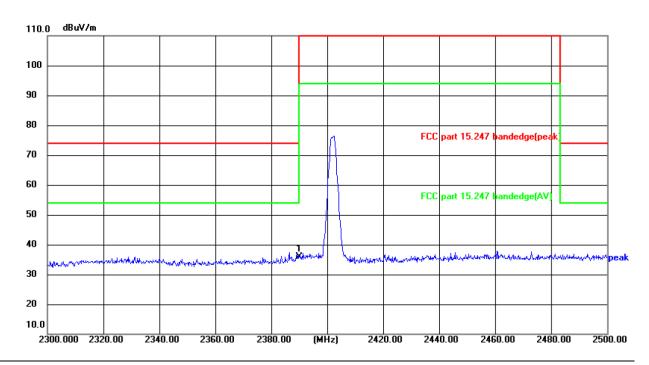
Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1 *	2390.000	51.97	-16.53	35.44	74.00	-38.56	peak	Р	





### Vertical:

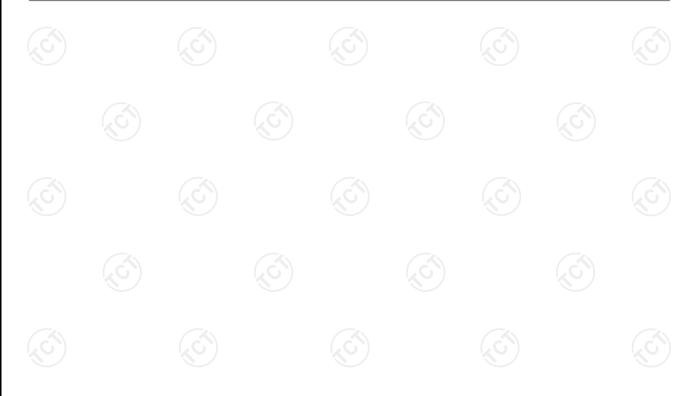


Site: #3 3m Anechoic Chamber Polarization: Vertical Temperature: 24.3(°C) Humidity: 51 %

Limit: FCC part 15.247 bandedge(peak)

Power:DC 3.7 V

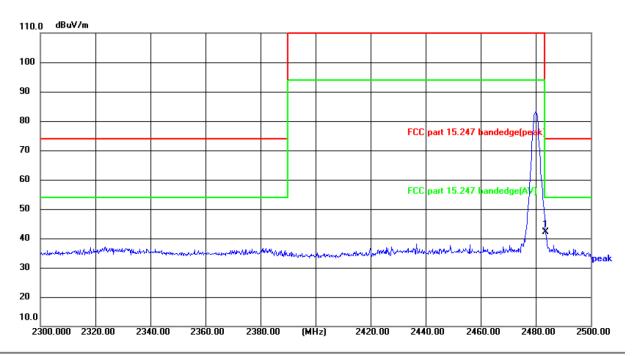
No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	2390.000	52.38	-16.53	35.85	74.00	-38.15	peak	Р	





### Highest channel 2480:

### Horizontal:



Site: #3 3m Anechoic Chamber Polarization: Horizontal Temperature: 24.3(°C) Humidity: 51 %

Limit: FCC part 15.247 bandedge(peak)

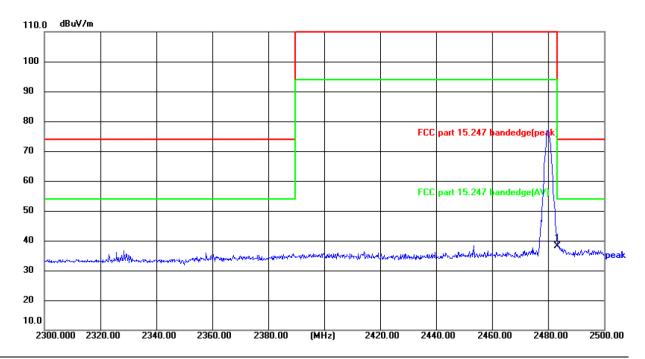
Power	:DC	3.7 \	/

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1 *	2483.500	58.47	-16.43	42.04	74.00	-31.96	peak	Р	





### Vertical:



Site: #3 3m Anechoic Chamber Polarization: Vertical Temperature: 24.3(°C) Humidity: 51 %

Limit: FCC part 15.247 bandedge(peak)

Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	2483.500	54.50	-16.43	38.07	74.00	-35.93	peak	Р	

**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: 8DPSK											
Low chann	Low channel: 2402 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)		
4804	Н	46.02		0.66	46.68		74	54	-7.32		
7206	Η	37.55		9.50	47.05		74	54	-6.95		
	H							7-7			
4804	V	45.98		0.66	46.64	<u></u>	74	54	-7.36		
7206	V	35.23		9.50	44.73		74	54	-9.27		
	V										

Middle cha	nnel: 2441	MHz		XC	)		(0)		KC
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	H	45.77	-	0.99	46.76	<b></b>	74	54	-7.24
7323	(H)	35.71		9.87	45.58	O -J-	74	54	-8.42
	H					<u></u>			
4882	V	47.05		0.99	48.04		74	54	-5.96
7323	V	36.39		9.87	46.26		74	54	-7.74
)	V	\\		'	)		() /		

High channel: 2480 MHz										
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)	
4960	Н	45.21	-	1.33	46.54	i	74	54	-7.46	
7440	Н	35.90		10.22	46.12		74	54	-7.88	
	Η									
							(,C			
4960	V	43.09		1.33	44.42		74	54	-9.58	
7440	V	34.15		10.22	44.37		74	54	-9.63	
	V									

#### 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. 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.





# **Appendix A: Test Result of Conducted Test**

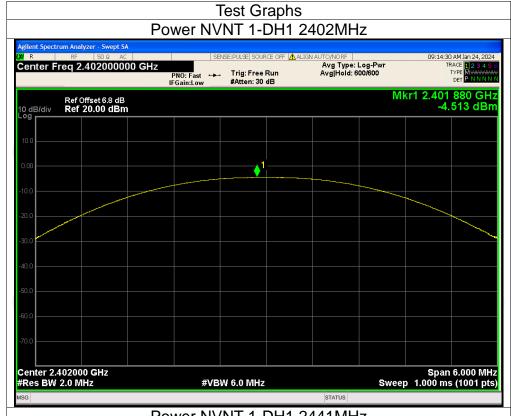
**Maximum Conducted Output Power** 

Maximum Conducted Output I Ower										
Condition Mode		Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict					
NVNT	1-DH1	2402	-4.51	21	Pass					
NVNT	1-DH1	2441	-1.87	21	Pass					
NVNT	1-DH1	2480	-3.11	21	Pass					
NVNT	2-DH1	2402	-3.30	21	Pass					
NVNT	2-DH1	2441	-0.50	21	Pass					
NVNT	2-DH1	2480	-1.65	21	Pass					
NVNT	3-DH1	2402	-1.23	21	Pass					
NVNT	3-DH1	2441	1.53	21	Pass					
NVNT	3-DH1	2480	0.26	21	Pass					







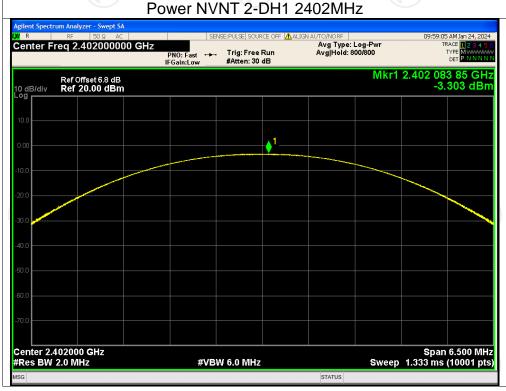


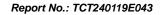


















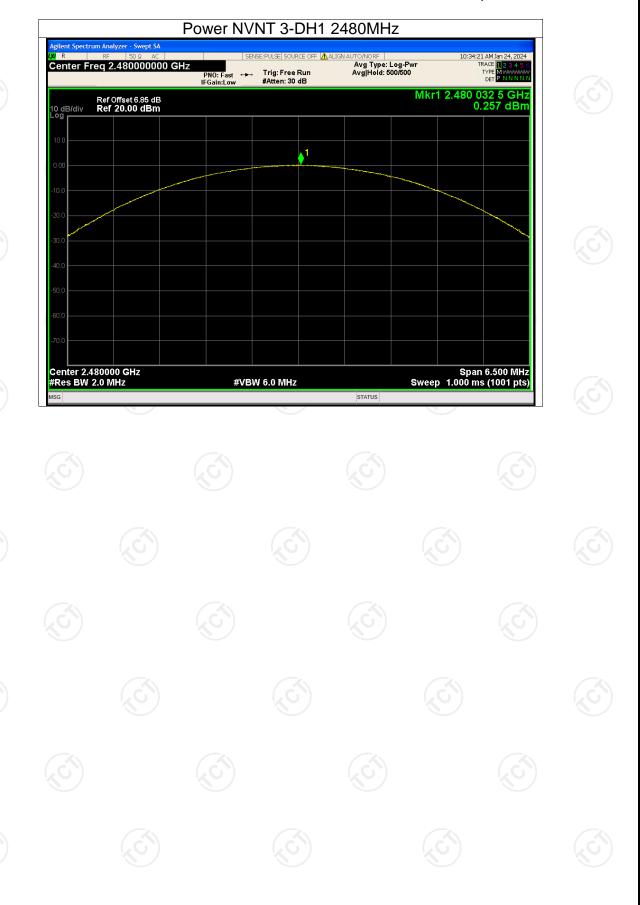






# 







### -20dB Bandwidth

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	1.028	Pass
NVNT	1-DH1	2441	1.027	Pass
NVNT	1-DH1	2480	1.018	Pass
NVNT	2-DH1	2402	1.371	Pass
NVNT	2-DH1	2441	1.367	Pass
NVNT	2-DH1	2480	1.370	Pass
NVNT	3-DH1	2402	1.351	Pass
NVNT	3-DH1	2441	1.354	Pass
NVNT	3-DH1	2480	1.352	Pass









### -20dB Bandwidth NVNT 1-DH1 2441MHz ent Spectrum Analyzer - Occupied BW SENSE:PULSE SOURCE OFF ALIGN AUTO/NORF Center Freq: 2.441000000 GHz Trig: Free Run Avg|Hold: 500/#4tten: 30 dB 09:17:55 AM Jan 24, 2024 Radio Std: None Center Freq 2.441000000 GHz Avg|Hold: 500/500 #IFGain:Low Radio Device: BTS Mkr3 2.441529 GHz -27.248 dBm $\langle \rangle^2$ Center 2.441 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.333 ms #VBW 100 kHz Occupied Bandwidth **Total Power** 4.66 dBm 895.57 kHz 15.726 kHz **OBW Power** 99.00 % **Transmit Freq Error** 1.027 MHz -20.00 dB x dB Bandwidth x dB



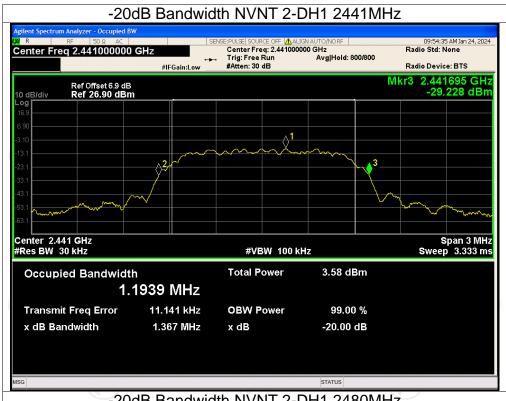




### -20dB Bandwidth NVNT 2-DH1 2402MHz | SENSE:PULSE| SOURCE OFF | ALIGN AUTO/NORF | | Center Free; 2.402000000 GHz | Trig: Free Run | Avg|Hold: 500/500 | | #Atten: 30 dB 09:59:26 AM Jan 24, 2024 Radio Std: None Center Freq 2.402000000 GHz #IFGain:Low Radio Device: BTS Mkr3 2.402697 GHz -31.974 dBm Span 3 MHz Sweep 3.2 ms Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Total Power 0.92 dBm Occupied Bandwidth 1.1966 MHz Transmit Freq Error 10.833 kHz **OBW Power** 99.00 % -20.00 dB x dB Bandwidth 1.371 MHz x dB STATUS







### -20dB Bandwidth NVNT 2-DH1 2480MHz | SENSE:PULSE| SOURCE OFF | ALIGN AUTO/NORF | | Center Free; 2.480000000 GHz | Trig: Free Run | Avg|Hold: 800/800 | | #Atten: 30 dB 09:49:51 AM Jan 24, 2024 Radio Std: None Center Freq 2.480000000 GHz #IFGain:Low Radio Device: BTS Mkr3 2.480696 GHz -30.186 dBm Ref Offset 6.85 dB Ref 26.85 dBm Span 3 MHz Sweep 3.2 ms Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Total Power 2.46 dBm Occupied Bandwidth 1.1954 MHz Transmit Freq Error 11.048 kHz **OBW Power** 99.00 % 1.370 MHz -20.00 dB x dB Bandwidth x dB STATUS



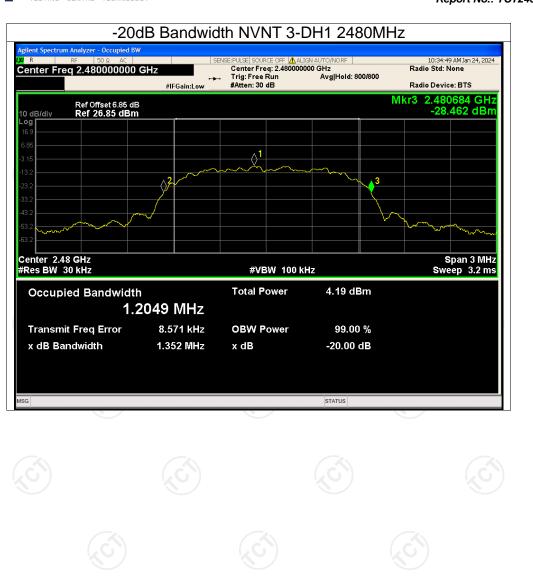




### -20dB Bandwidth NVNT 3-DH1 2441MHz 10:32:57 AM Jan 24, 2024 Radio Std: None Center Freq 2.441000000 GHz #IFGain:Low Radio Device: BTS Mkr3 2.441686 GHz -27.650 dBm $\Diamond^1$ Center 2.441 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms #VBW 100 kHz Total Power 5.42 dBm Occupied Bandwidth 1.2053 MHz Transmit Freq Error 9.356 kHz **OBW Power** 99.00 % 1.354 MHz -20.00 dB x dB Bandwidth x dB STATUS











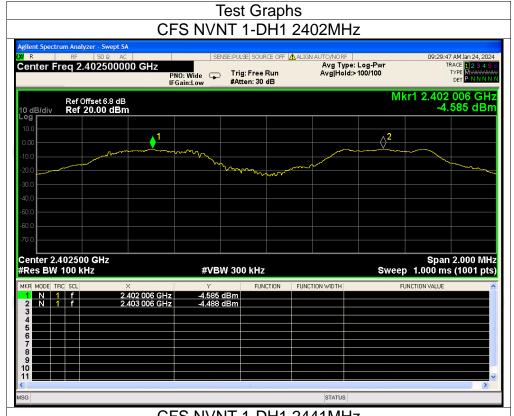
**Carrier Frequencies Separation** 

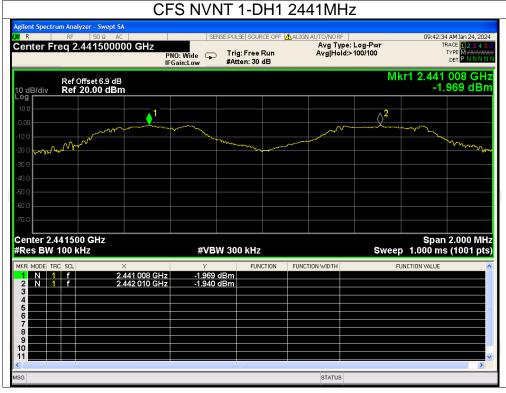
		II		LIEO	1 1 14	
Condition	Mode	Hopping Freq1	Hopping Freq2	HFS	Limit	Verdict
Condition	WIOGE	(MHz)	(MHz)	(MHz)	(MHz)	verdict
NVNT	1-DH1	2402.006	2403.006	1.000	0.685	Pass
NVNT	1-DH1	2441.008	2442.010	1.002	0.685	Pass
NVNT	1-DH1	2479.014	2480.012	0.998	0.685	Pass
NVNT	2-DH1	2402.000	2403.000	1.000	0.914	Pass
NVNT	2-DH1	2441.002	2442.002	1.000	0.914	Pass
NVNT	2-DH1	2479.050	2480.046	0.996	0.914	Pass
NVNT	3-DH1	2402.000	2402.996	0.996	0.903	Pass
NVNT	3-DH1	2441.004	2442.002	0.998	0.903	Pass
NVNT	3-DH1	2478.990	2479.984	0.994	0.903	Pass







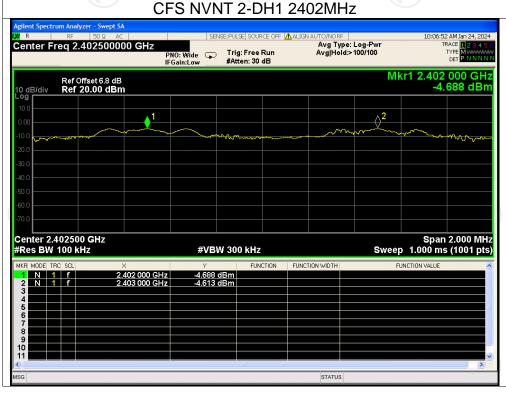






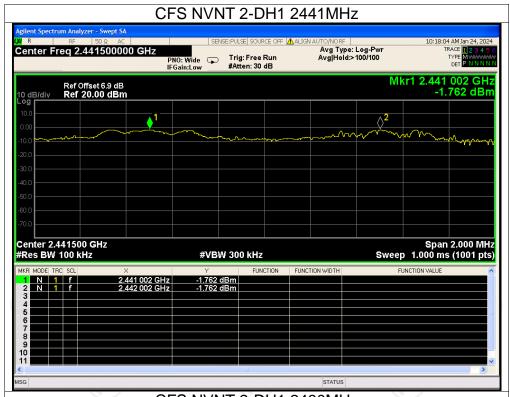


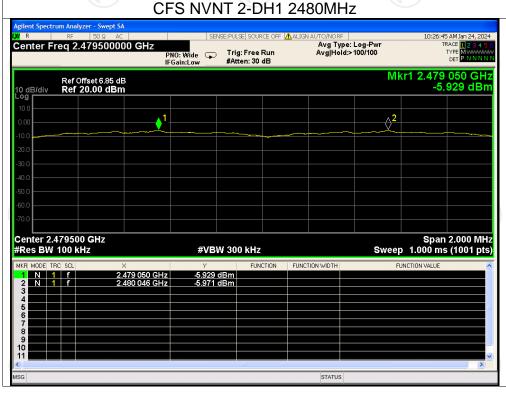






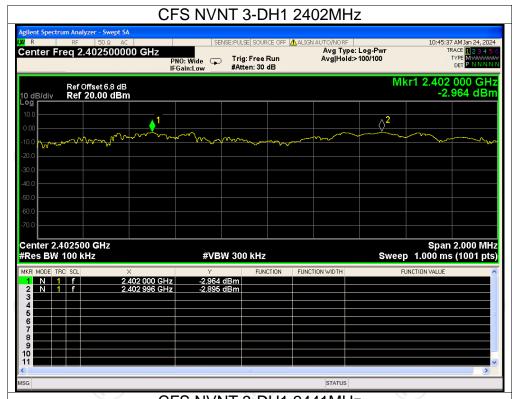


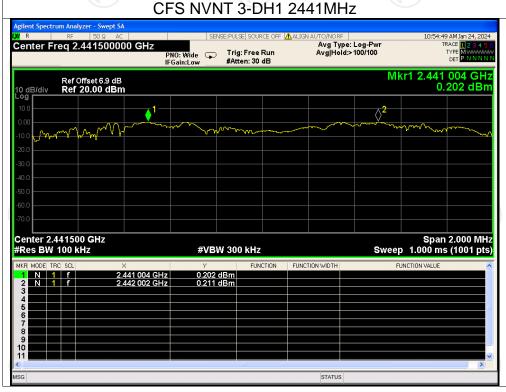






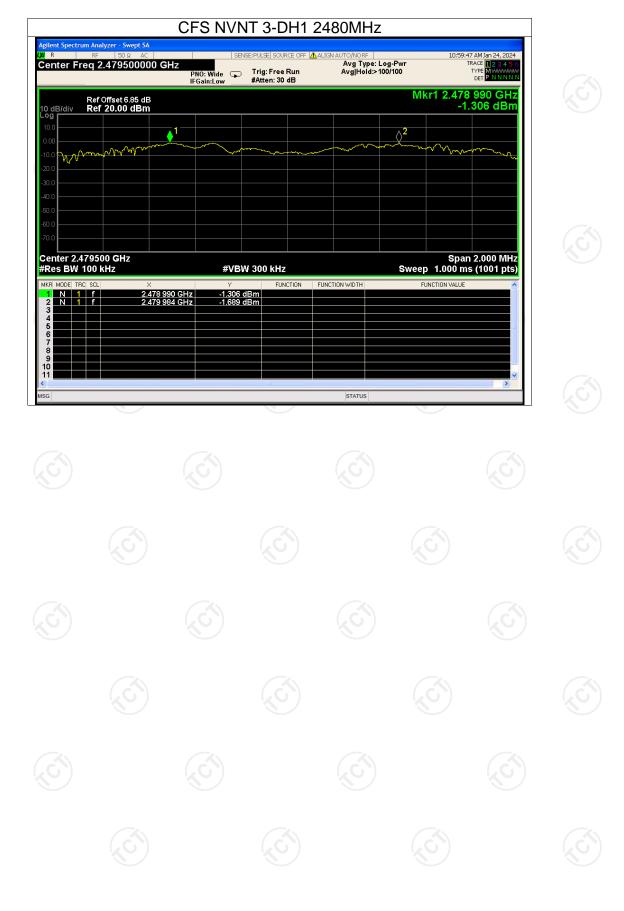








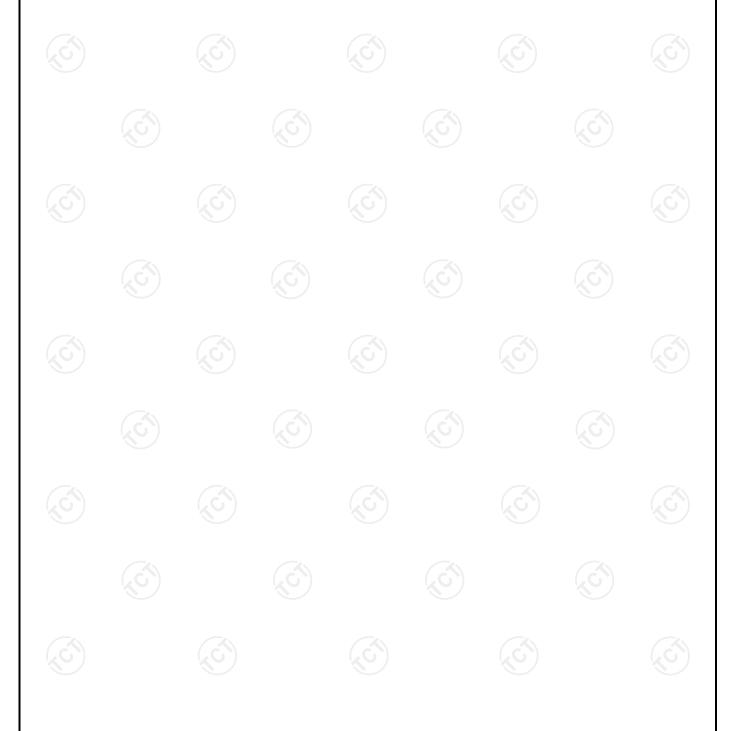




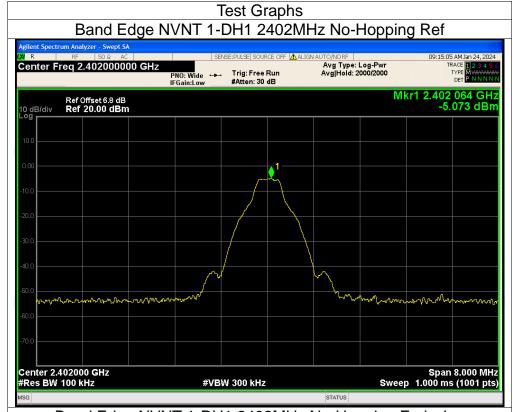


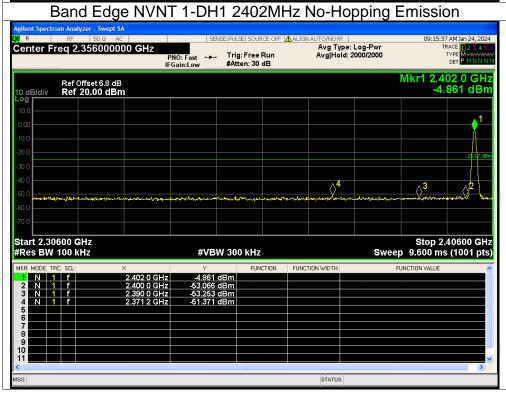
## **Band Edge**

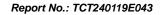
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	No-Hopping	-46.30	-20	Pass
NVNT	1-DH1	2480	No-Hopping	-46.52	-20	Pass
NVNT	2-DH1	2402	No-Hopping	-43.56	-20	Pass
NVNT	2-DH1	2480	No-Hopping	-45.38	-20	Pass
NVNT	3-DH1	2402	No-Hopping	-45.11	-20	Pass
NVNT	3-DH1	2480	No-Hopping	-46.67	-20	Pass



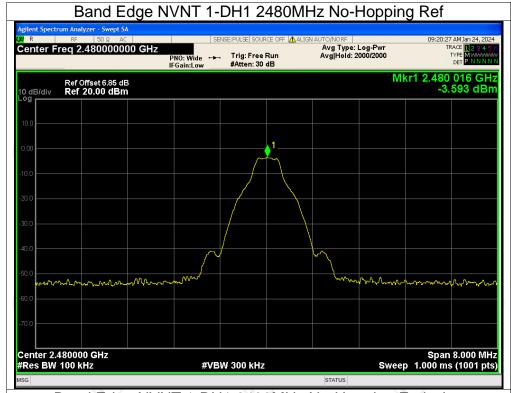


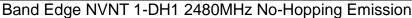


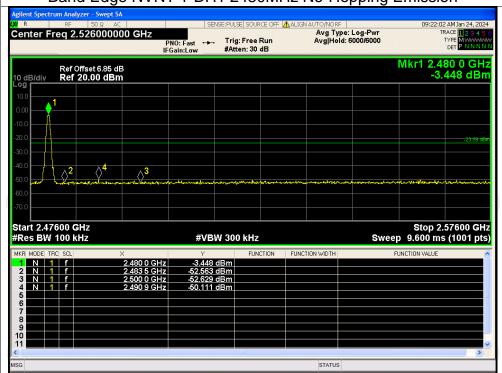


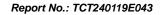




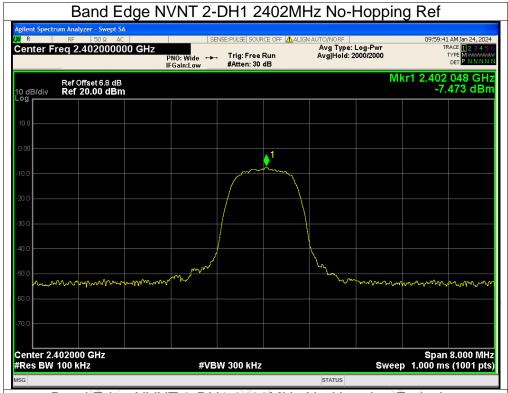




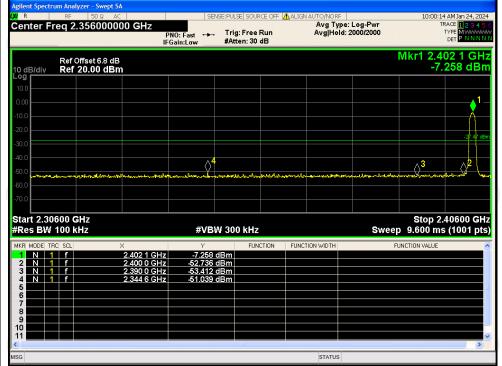






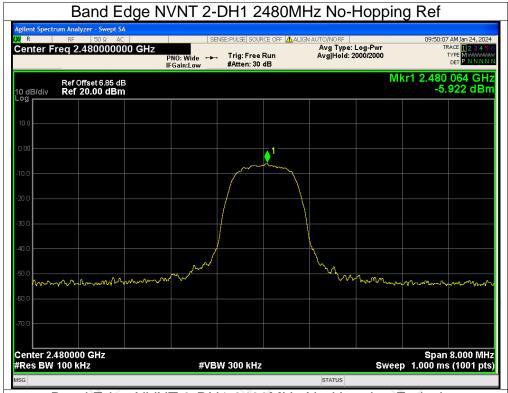


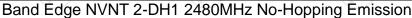


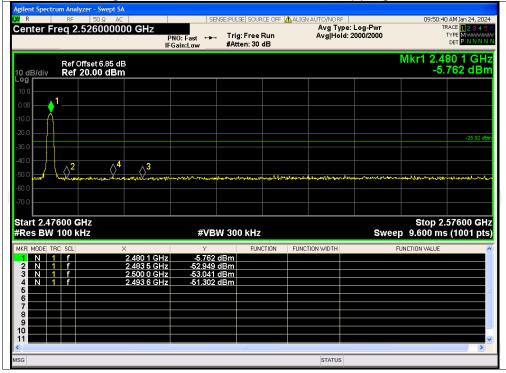


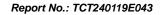




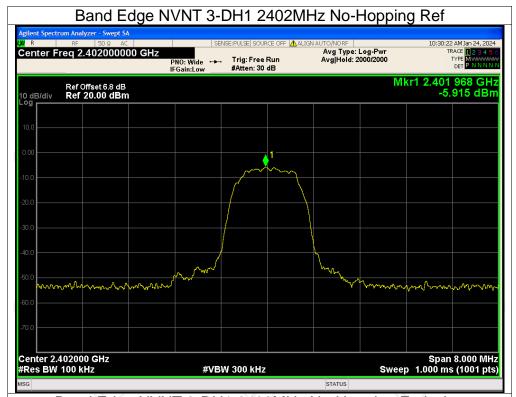


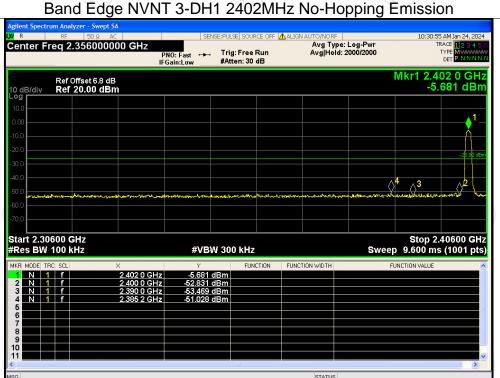






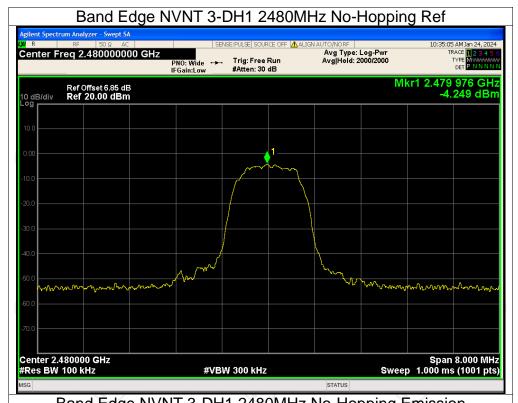




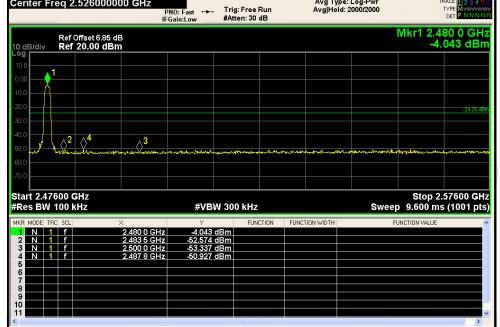








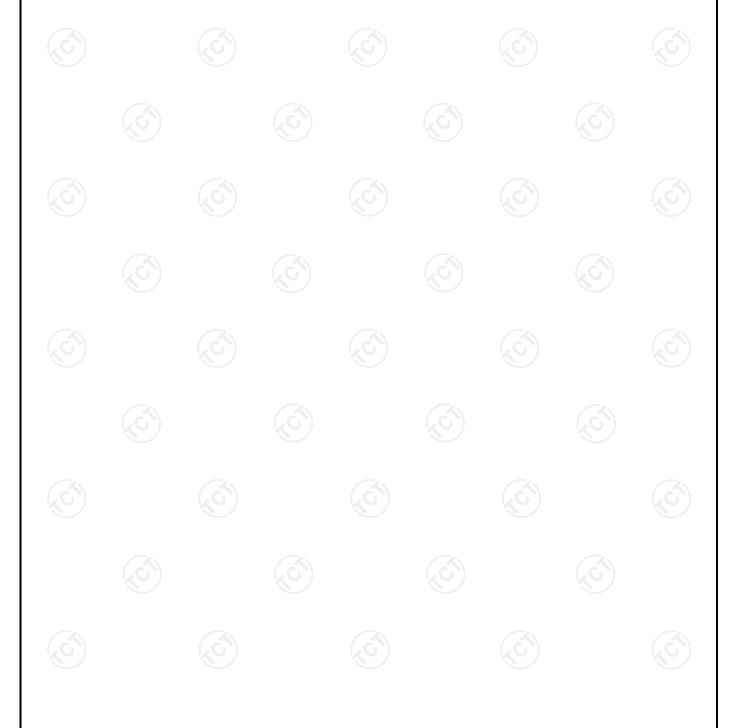






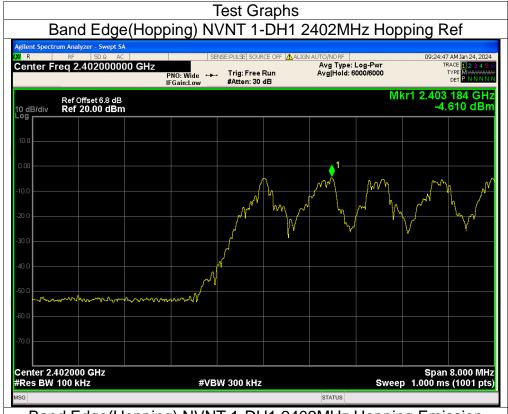
**Band Edge(Hopping)** 

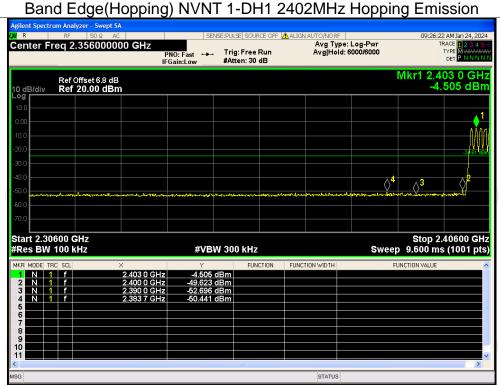
			= <del>3 3 4 1 3 P P</del>			
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Hopping	-45.83	-20	Pass
NVNT	1-DH1	2480	Hopping	-47.80	-20	Pass
NVNT	2-DH1	2402	Hopping	-46.02	-20	Pass
NVNT	2-DH1	2480	Hopping	-48.25	-20	Pass
NVNT	3-DH1	2402	Hopping	-47.94	-20	Pass
NVNT	3-DH1	2480	Hopping	-49.17	-20	Pass





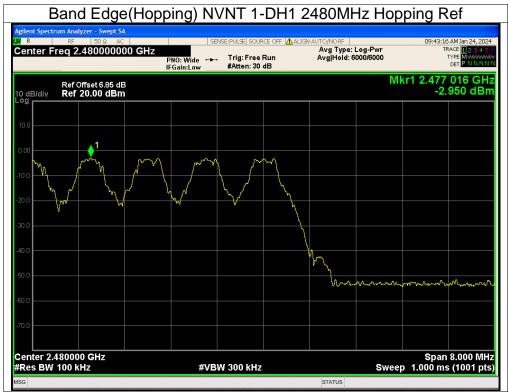




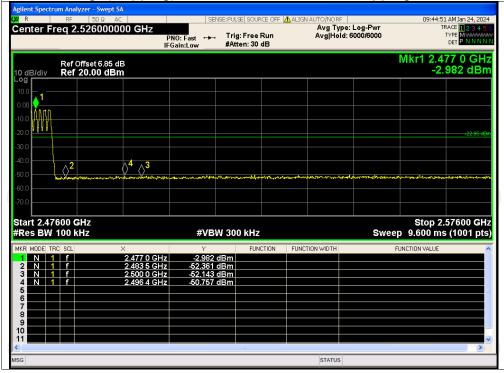










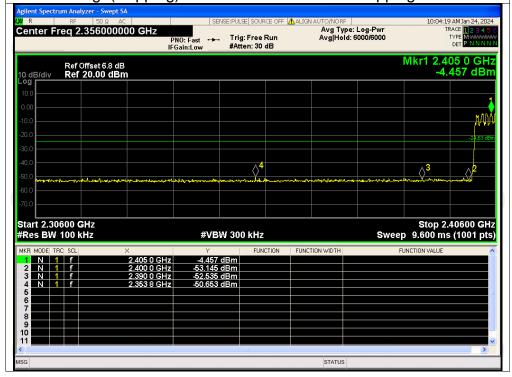


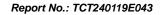








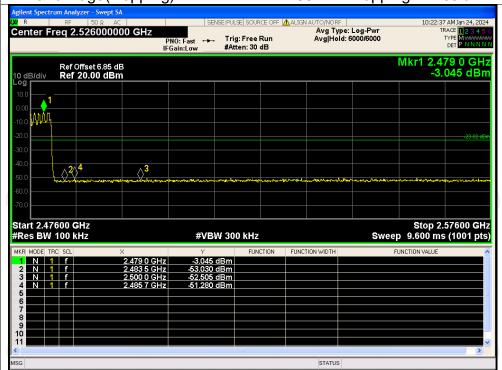


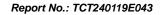








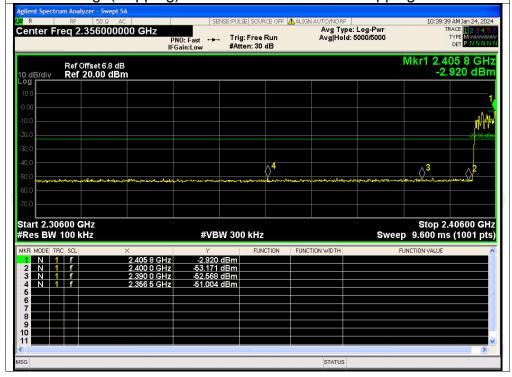


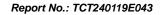








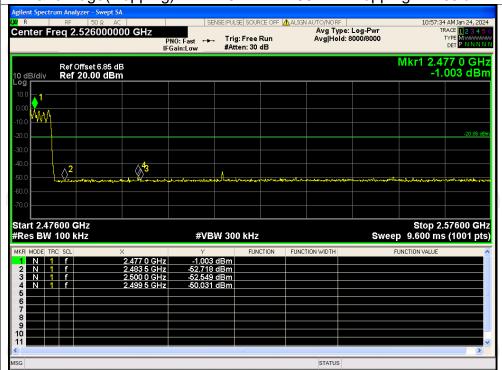














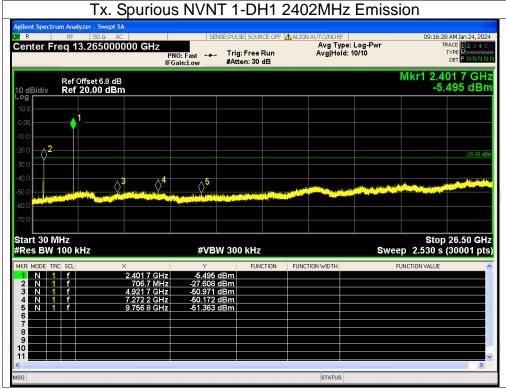
**Conducted RF Spurious Emission** 

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	-22.23	-20	Pass
NVNT	1-DH1	2441	-30.36	-20	Pass
NVNT	1-DH1	2480	-35.17	-20	Pass
NVNT	2-DH1	2402	-33.03	-20	Pass
NVNT	2-DH1	2441	-45.35	-20	Pass
NVNT	2-DH1	2480	-24.24	-20	Pass
NVNT	3-DH1	2402	-34.28	-20	Pass
NVNT	3-DH1	2441	-37.38	-20	Pass
NVNT	3-DH1	2480	-35.89	-20	Pass





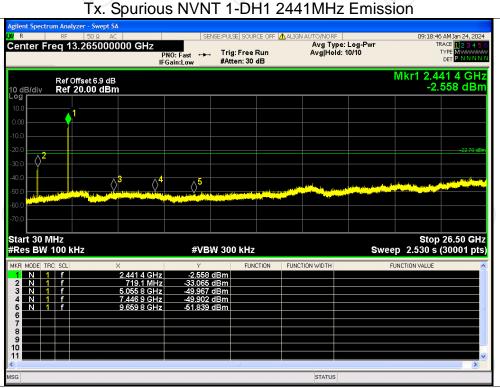


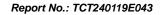






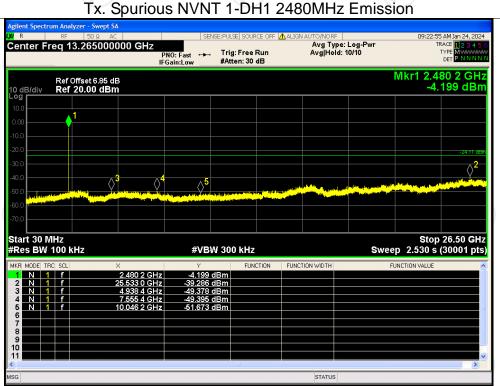


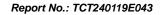




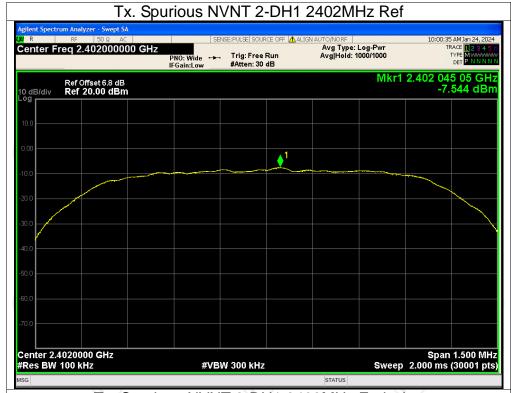




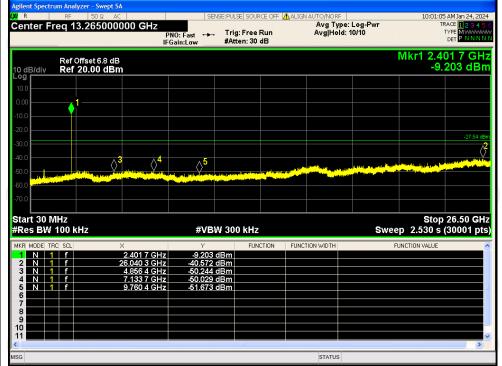


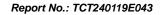




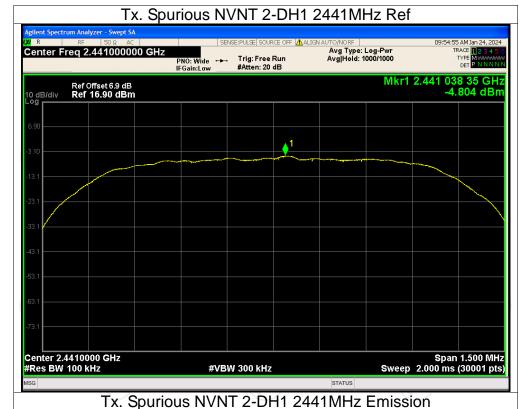




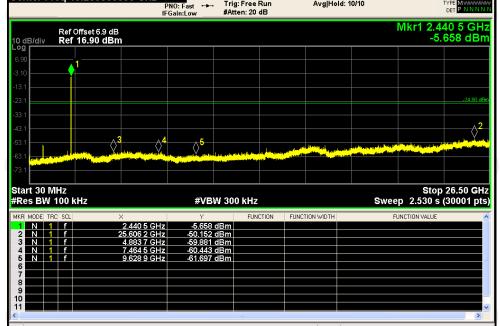


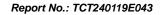




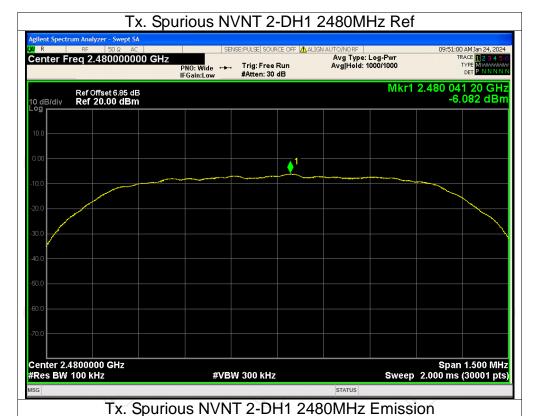


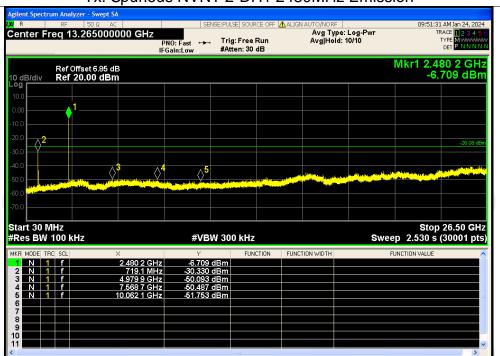


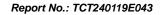






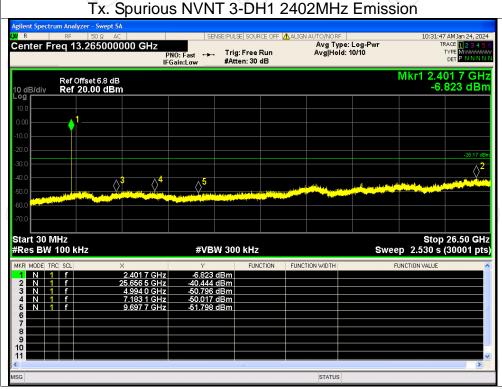


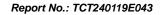




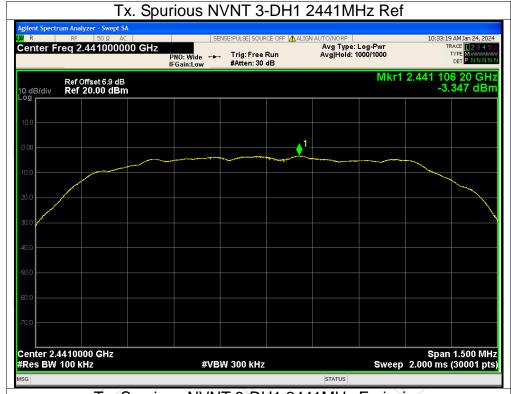


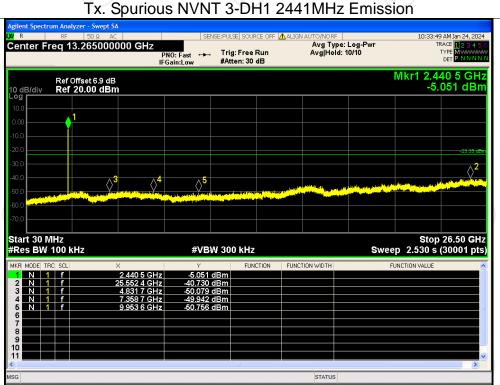


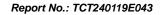






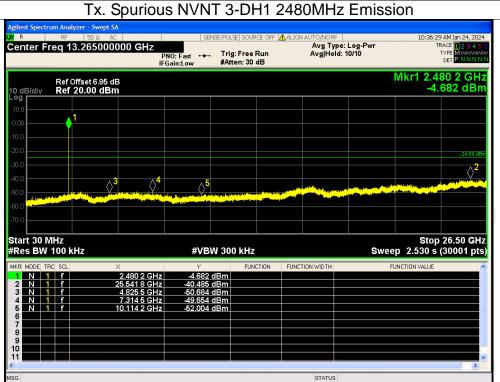








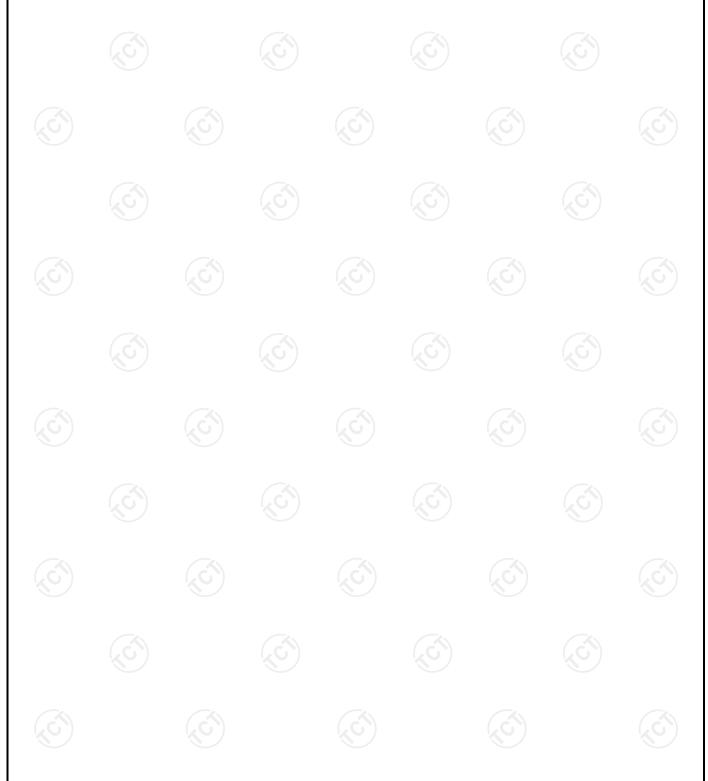


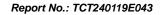




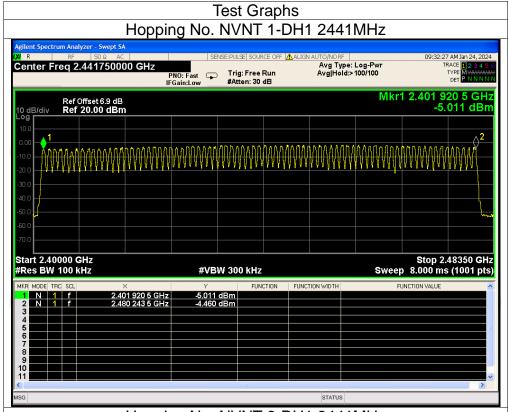
**Number of Hopping Channel** 

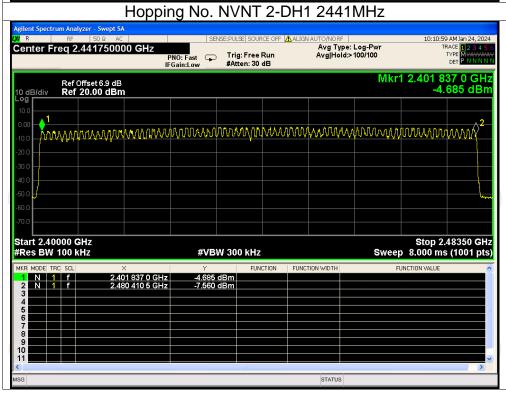
Condition	Mode	Hopping Number	Limit	Verdict
NVNT	1-DH1	79	15	Pass
NVNT	2-DH1	79	15	Pass
NVNT	3-DH1	79	15	Pass





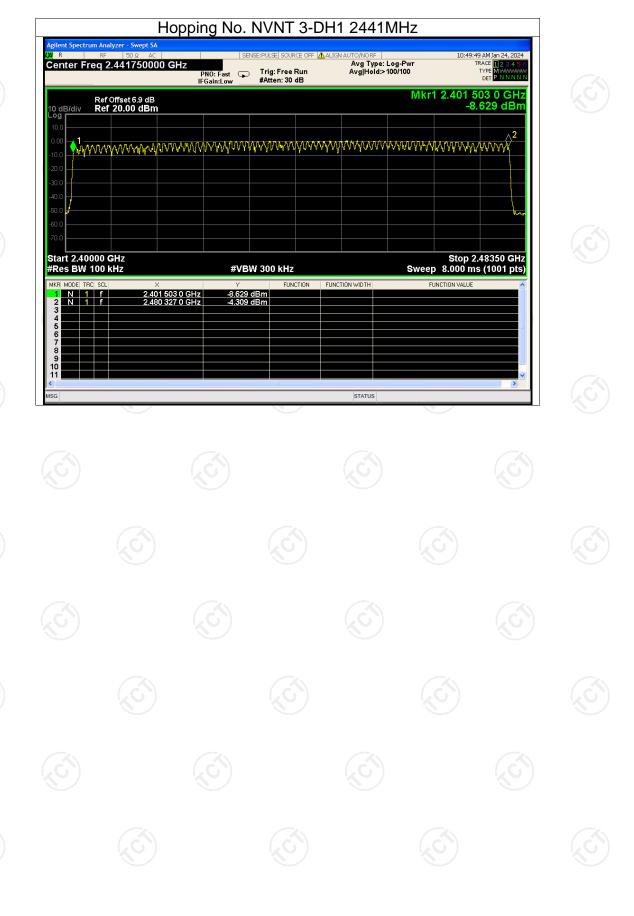










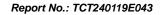




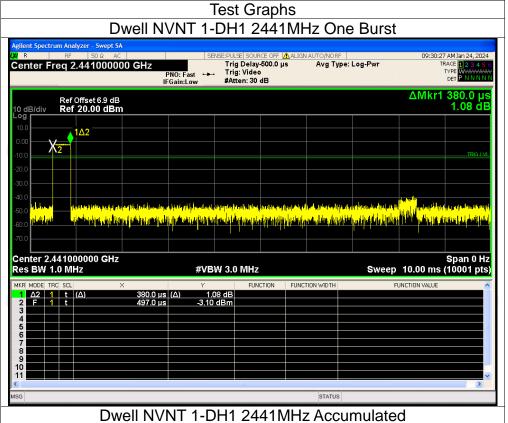
### **Dwell Time**

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	121.22	319	31600	400	Pass
NVNT	1-DH3	2441	1.64	259.12	158	31600	400	Pass
NVNT	1-DH5	2441	2.89	326.57	113	31600	400	Pass
NVNT	2-DH1	2441	0.39	124.02	318	31600	400	Pass
NVNT	2-DH3	2441	1.64	257.48	157	31600	400	Pass
NVNT	2-DH5	2441	2.89	300.56	104	31600	400	Pass
NVNT	3-DH1	2441	0.39	123.63	317	31600	400	Pass
NVNT	3-DH3	2441	1.64	291.92	178	31600	400	Pass
NVNT	3-DH5	2441	2.89	315.01	109	31600	400	Pass





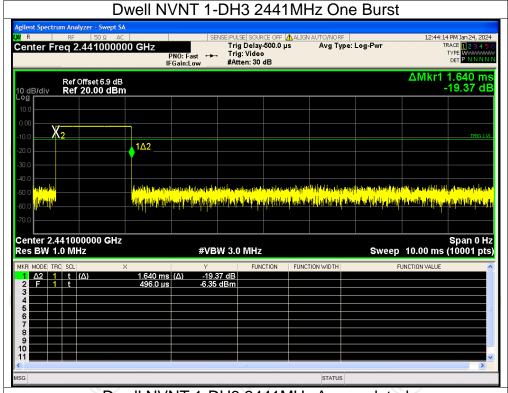




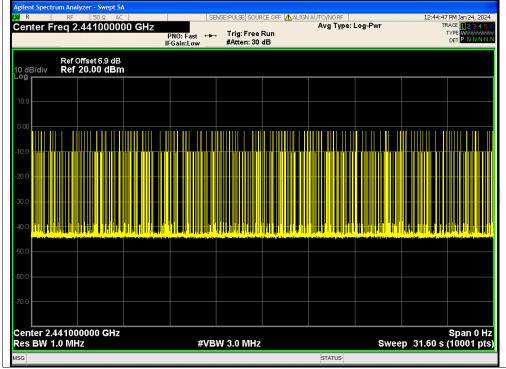
# Agilent Spectrum Analyzer - Sweept SA 22 R FF SO Q AC Center Freq 2.441000000 GHz PNO: Fast FFGaint.tow PNO





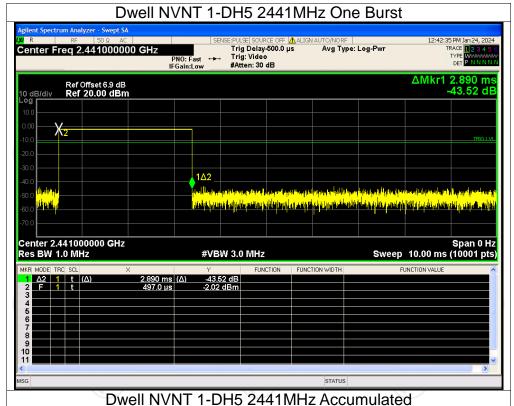


# Dwell NVNT 1-DH3 2441MHz Accumulated

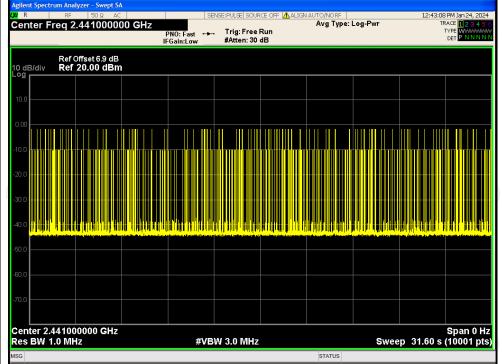


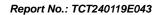




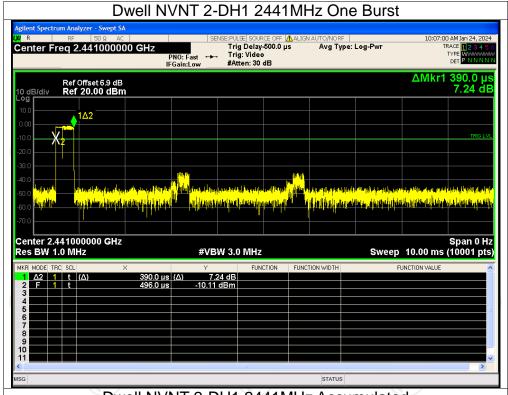


# Swept SA

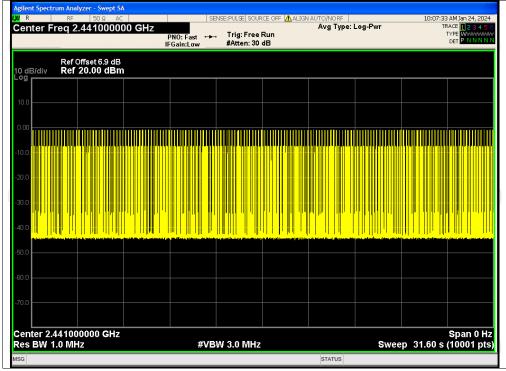






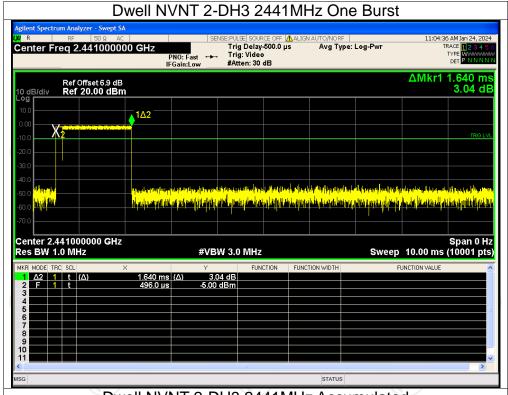


# Dwell NVNT 2-DH1 2441MHz Accumulated









### Dwell NVNT 2-DH3 2441MHz Accumulated

