



FCC TEST REPORT

FCC ID: 2ATQZ-GE100

On Behalf of

Shenzhen Mooer Audio Co., Ltd

Intelligent Multi Effects

Model No.: GE100 Pro Li, GE100 Pro

Prepared for : Shenzhen Mooer Audio Co., Ltd
Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District,
Shenzhen, China.

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2512052-C02-R06
Date of Receipt : January 9, 2026
Date of Test : January 9, 2026 – March 23, 2026
Date of Report : March 24, 2026
Version Number : V0

TABLE OF CONTENTS

Description	Page
1. Summary Of Standards And Results.....	6
1.1. Description of Standards and Results.....	6
2. General Information	7
2.1. Description of Device (EUT).....	7
2.2. Accessories of Device (EUT)	8
2.3. Tested Supporting System Details.....	8
2.4. Block Diagram of connection between EUT and simulators	8
2.5. Test Mode Description	8
2.6. Software test version and power setting information.....	9
2.7. Test Conditions.....	9
2.8. Test Facility	9
2.9. Measurement Uncertainty	10
2.10. Test Equipment List	11
3. Maximum Peak Output Power.....	12
3.1. Limit	12
3.2. Test Procedure	12
3.3. Test Setup	12
3.4. Test Result	13
4. Bandwidth.....	19
4.1. Limit	19
4.2. Test Procedure	19
4.3. Test Result	19
5. Carrier Frequency Separation.....	31
5.1. Limit	31
5.2. Test Procedure	31
5.3. Test Result	31
6. Number Of Hopping Channel.....	33
6.1. Limit	33
6.2. Test Procedure	33
6.3. Test Result	33
7. Dwell Time	35
7.1. Test limit	35
7.2. Test Procedure	35
7.3. Test Result	35
8. Out-of-band Emissions	45
8.1. Test Limits	45
8.2. Test Procedure	45
8.3. Test Setup	45
8.4. Test Results.....	45
9. Radiated Emissions	69
9.1. Limit	69
9.2. Block Diagram of Test setup	72

9.3. Test Procedure	73
9.4. Test Results	73
10. Band Edge Test	88
10.1. Block Diagram of Test Setup	88
10.2. Test Limit	88
10.3. Test Procedure	88
10.4. Test Results	89
11. Power Line Conducted Emissions.....	95
11.1. Block Diagram of Test Setup	95
11.2. Limit	95
11.3. Test Procedure	95
11.4. Test Results	96
12. Frequency stability	99
12.1. Test limit	99
12.2. Test Procedure	99
12.3. Test Setup	99
12.4. Test Results	99
13. Antenna Requirements	100
13.1. Limit	100
13.2. Result.....	100
14. Photos of test setup	101
15. Photos of EUT.....	101

TEST REPORT DECLARATION

Applicant : Shenzhen Mooer Audio Co., Ltd
Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District, Shenzhen, China.
Manufacturer : Shenzhen Mooer Audio Co., Ltd
Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District, Shenzhen, China.
EUT Description : Intelligent Multi Effects
(A) Model No. : GE100 Pro Li, GE100 Pro
(B) Trademark : 

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.10-2020+COR.1-2023

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC Part 15C requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Jensen Wang
Test Engineer 
.....
Approved by (name + signature).....: Simple Guan
Project Manager 
.....
Date of issue.....: March 24, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	March 24, 2026	Initial released Issue	Jensen Wang



1. Summary Of Standards And Results

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Standards Paragraph	Result
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1), RSS-247(5.4 b), ANSI C63.10	P
Bandwidth	FCC Part 15: 15.215, RSS-247(5.1 a), ANSI C63.10	P
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1), RSS-247(5.1 b), ANSI C63.10	P
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1), RSS-247(5.1 d),ANSI C63.10	P
Dwell Time	FCC Part 15: 15.247(a)(1), RSS-247(5.1 d),ANSI C63.10	P
Radiated Spurious Emission	FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-Gen(8.9), RSS-247(5.5), ANSI C63.10	P
Out-of-band Emissions	FCC Part 15: 15.247(d), RSS-Gen(8.9), RSS-247(5.5), ANSI C63.10	P
Radiated Band Edge Emission	FCC Part 15: 15.247(d), RSS-Gen(6.13), RSS-247(5.5), ANSI C63.10	P
Power Line Conducted Emissions	FCC Part 15: 15.207, RSS-GEN(8.8),ANSI C63.10	P
Frequency stability	RSS-GEN(6.11)	N/A
Antenna requirement	FCC Part 15: 15.203, RSS-GEN(6.8)	P
Note: 1. P is an abbreviation for Pass. 2. F is an abbreviation for Fail. 3. N/A is an abbreviation for Not Applicable. 4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty. 5. Measurement method usage KDB 558074 D01 15.247 Meas Guidance v05r02.		

2. General Information

2.1. Description of Device (EUT)

Product Name	:	Intelligent Multi Effects
Model No.	:	GE100 Pro Li, GE100 Pro
Diff	:	There is no difference except the name of the model and battery. The voltage to RF IC of both models are the same, there is no effect to RF parameter. So all conducted tests are made with the GE100 Pro Li model, only additional radiation spurious emissions and band edges need to be made with GE100 Pro model.
Power supply	:	DC 7.4V from battery, DC 5V from Adapter

Radio Technology	:	Bluetooth V5.2 EDR
------------------	---	--------------------

Operation frequency	:	2402-2480MHz
---------------------	---	--------------

Channel No.	:	79 channels
-------------	---	-------------

Channel Separation	:	1MHz
--------------------	---	------

Modulation	:	GFSK, $\pi/4$ -DQPSK, 8DPSK
------------	---	-----------------------------

Antenna Type	:	Internal Antenna, max gain 1.5dBi
--------------	---	-----------------------------------

EUT has two RF antennas, one of them is PCB Antenna, max. gain -0.58dBi, the other one is chip antenna, max. gain 1.5dBi, The product has shielded the PCB antenna end through software. So this report evaluates the largest antenna gain..

PMN	:	N/A
-----	---	-----

HVIN	:	N/A
------	---	-----

Software version	:	N/A
------------------	---	-----

Hardware version/FVIN	:	N/A
-----------------------	---	-----

Note	:	Antenna information is provided by applicant. Testing lab is not responsible for the accuracy of the information.
------	---	--

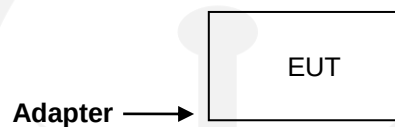
2.2. Accessories of Device (EUT)

Accessories 1 : N/A
 Manufacturer : N/A
 Model : N/A
 Rating : N/A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number
1	Adapter	Baseus	CCXFK65CC	N/A
2	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Test Mode Description

The test software used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
GFSK / Pi/4-DQPSK / 8DPSK Carrier Tx Mode	CH0	2402
	CH39	2441
	CH78	2480
GFSK / Pi/4-DQPSK / 8DPSK hopping on Tx Mode	CH0	2402
	CH39	2441
	CH78	2480
GFSK / Pi/4-DQPSK / 8DPSK hopping off Tx Mode	CH0	2402
	CH39	2441
	CH78	2480

2.6. Software test version and power setting information

Software testing version	FCC_assist.exe		
Mode	The client 's preset testing software is used to control the operation of EUT in continuous transmission mode and select the testing channel, wireless mode:		
Power level setup by client			
Mode	Channel	Frequency (MHz)	Soft Set
GFSK, Pi/4-DQPSK, 8DPSK	CH0	2402	TX level is set as defaults value.
	CH39	2441	TX level is set as defaults value.
	CH78	2480	TX level is set as defaults value.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

September 21, 2023 Certificated by IC

Registration Number: 31123

CAB identifier: CN0158

2.9.Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB



2.10.Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	RFT	NNB111	13835240	/	2025.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101648	3.70	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LAPA_01K20, K108G-45dB	SK2022032901	/	2025.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_0118G-45	SK2020010801	/	2025.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02-11 11533-Fz	/	2025.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P008	/	2025.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10A	202211251638	/	2025.12.18	1 Year
17.	Cable	SKET	Cable-RE-1	#02/#03	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#04	/	2025.12.18	1 Year
20.	Cable	SKET	Cable-CE-1	A-E-24	/	2025.12.18	1 Year
21.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2025.12.18	1 Year
22.	Power meter	Agilent	E4419B	GB40202121	/	2025.12.18	1 Year
23.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer			Version		
RE	EZ_EMCC	Farad			PSI-3A1		
CE	EZ_EMCC	Farad			PSI-3A1		
RF	RTS	TACHOY			V1.0.0		

3. Maximum Peak Output Power

3.1. Limit

Please refer FCC part 15.247 & RSS-247.

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, the e.i.r.p shall not exceed 4W

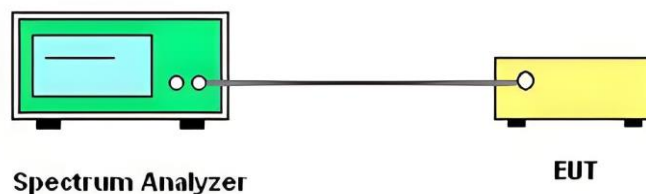
3.2. Test Procedure

ANSI C63.10:2020, section 11.9.1 Maximum peak conducted output power.

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- a) Set the RBW $\geq$ DTS bandwidth.
- b) Set VBW $\geq [3 \times \text{RBW}]$.
- c) Set span $\geq [3 \times \text{RBW}]$.
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

3.3. Test Setup



3.4. Test Result

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	0.66	1.16	1000	Pass
NVNT	ANT1	1-DH1	2441.00	1.28	1.34	1000	Pass
NVNT	ANT1	1-DH1	2480.00	1.46	1.40	1000	Pass
NVNT	ANT1	2-DH1	2402.00	1.41	1.38	125	Pass
NVNT	ANT1	2-DH1	2441.00	1.97	1.57	125	Pass
NVNT	ANT1	2-DH1	2480.00	2.17	1.65	125	Pass
NVNT	ANT1	3-DH1	2402.00	1.71	1.48	125	Pass
NVNT	ANT1	3-DH1	2441.00	2.27	1.69	125	Pass
NVNT	ANT1	3-DH1	2480.00	2.43	1.75	125	Pass



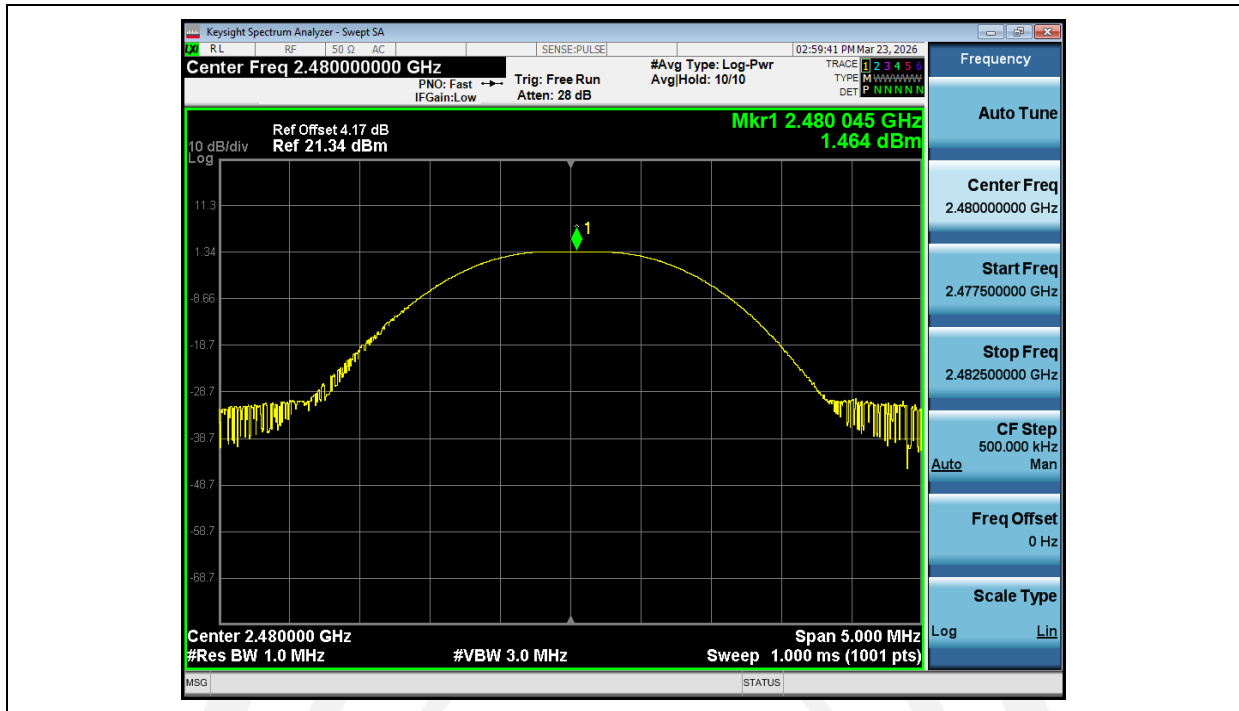
Peak_Output_Power_NVNT_ANT1_1-DH1_2402_00



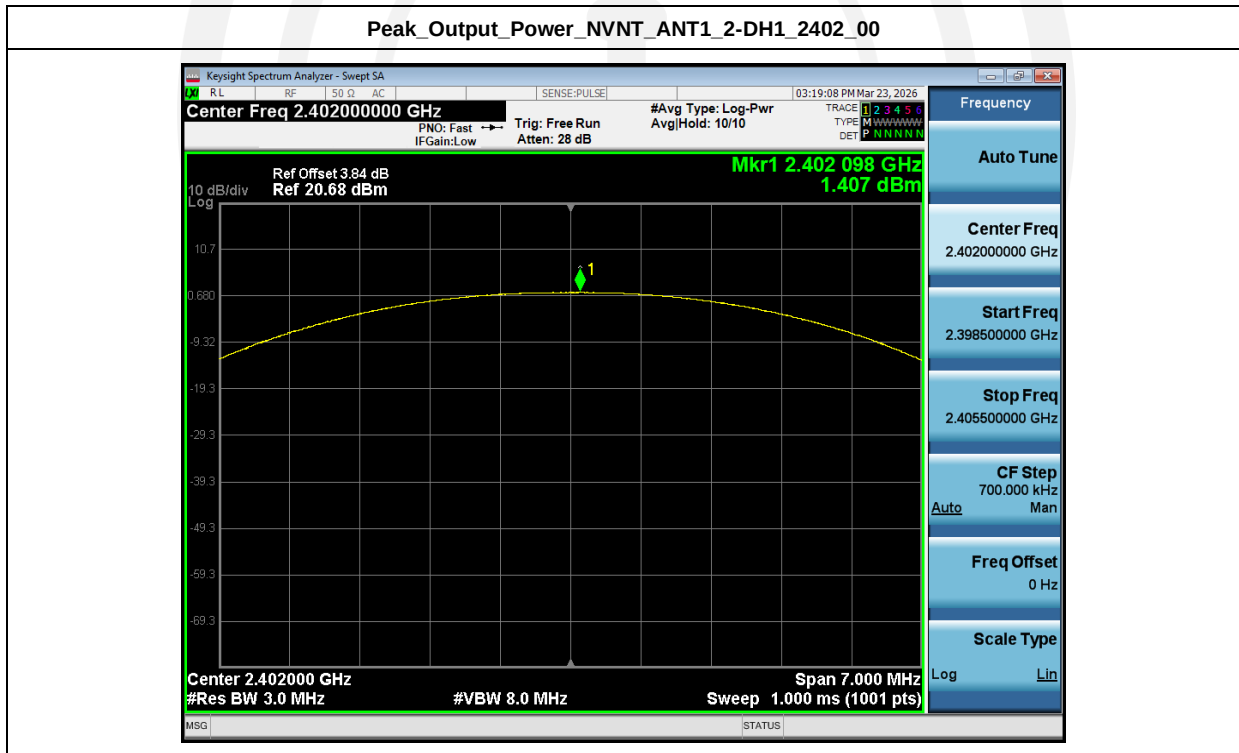
Peak_Output_Power_NVNT_ANT1_1-DH1_2441_00



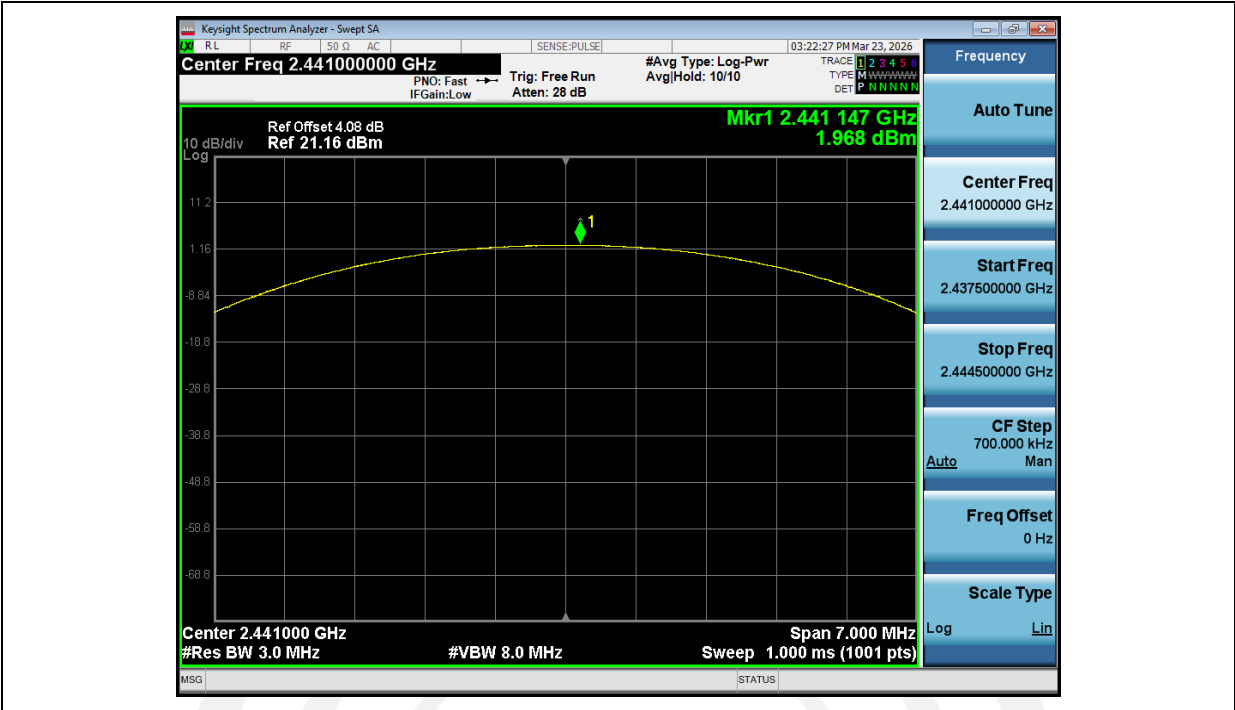
Peak_Output_Power_NVNT_ANT1_1-DH1_2480_00



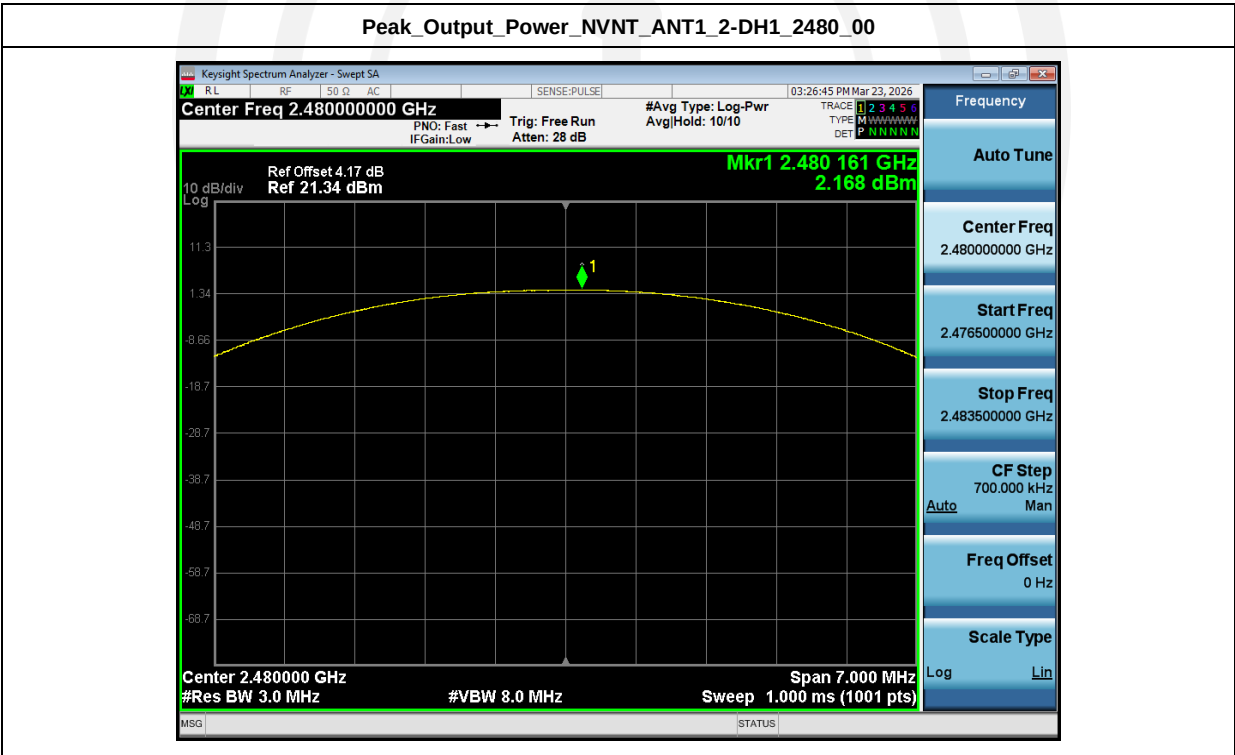
Peak_Output_Power_NVNT_ANT1_2-DH1_2402_00



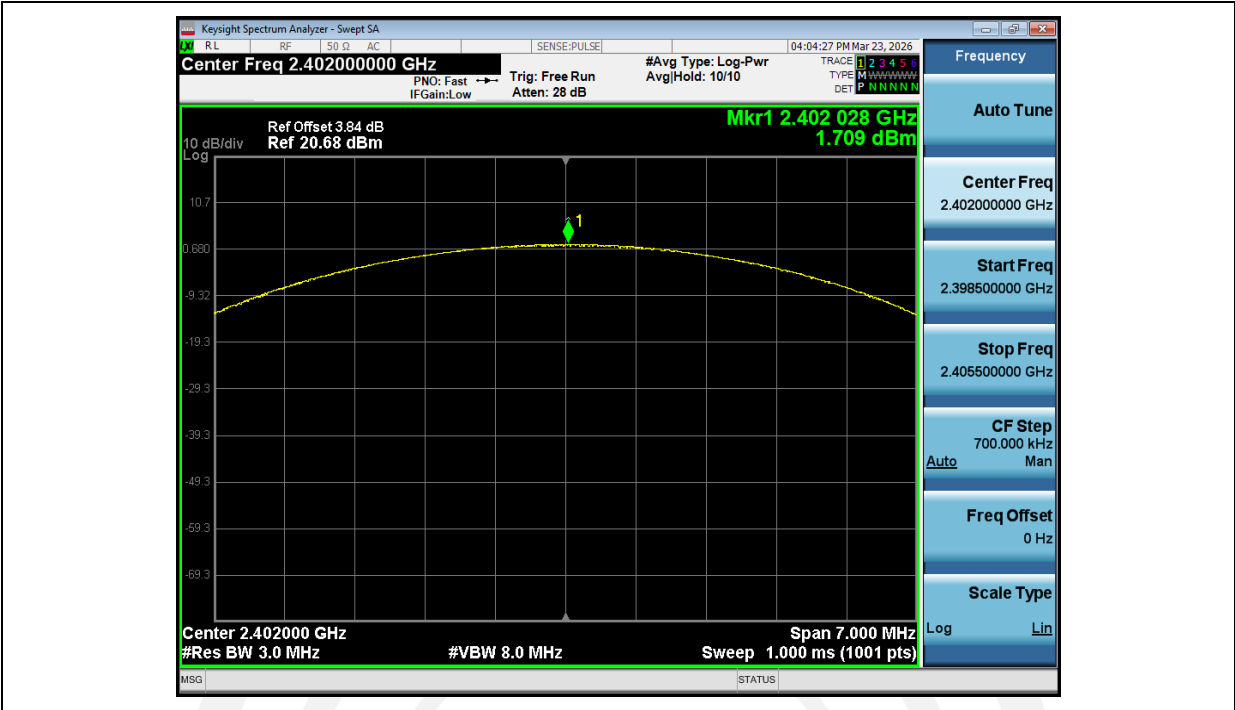
Peak_Output_Power_NVNT_ANT1_2-DH1_2441_00



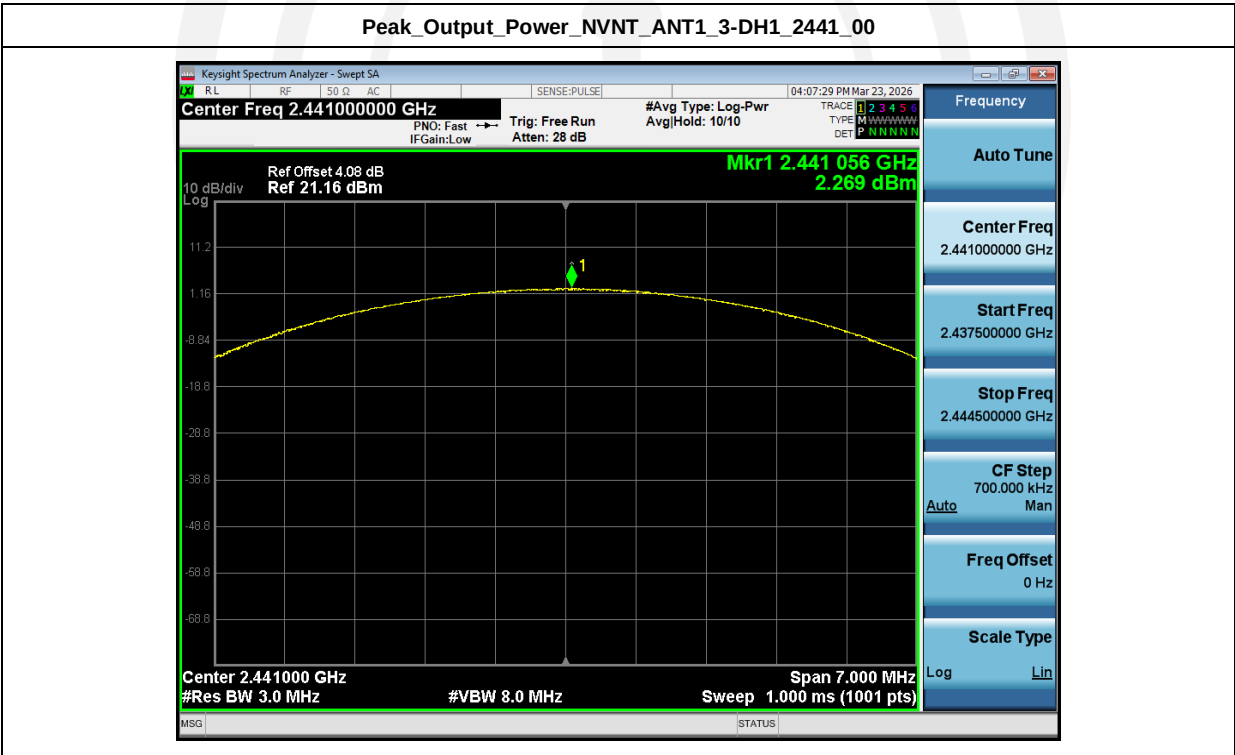
Peak_Output_Power_NVNT_ANT1_2-DH1_2480_00



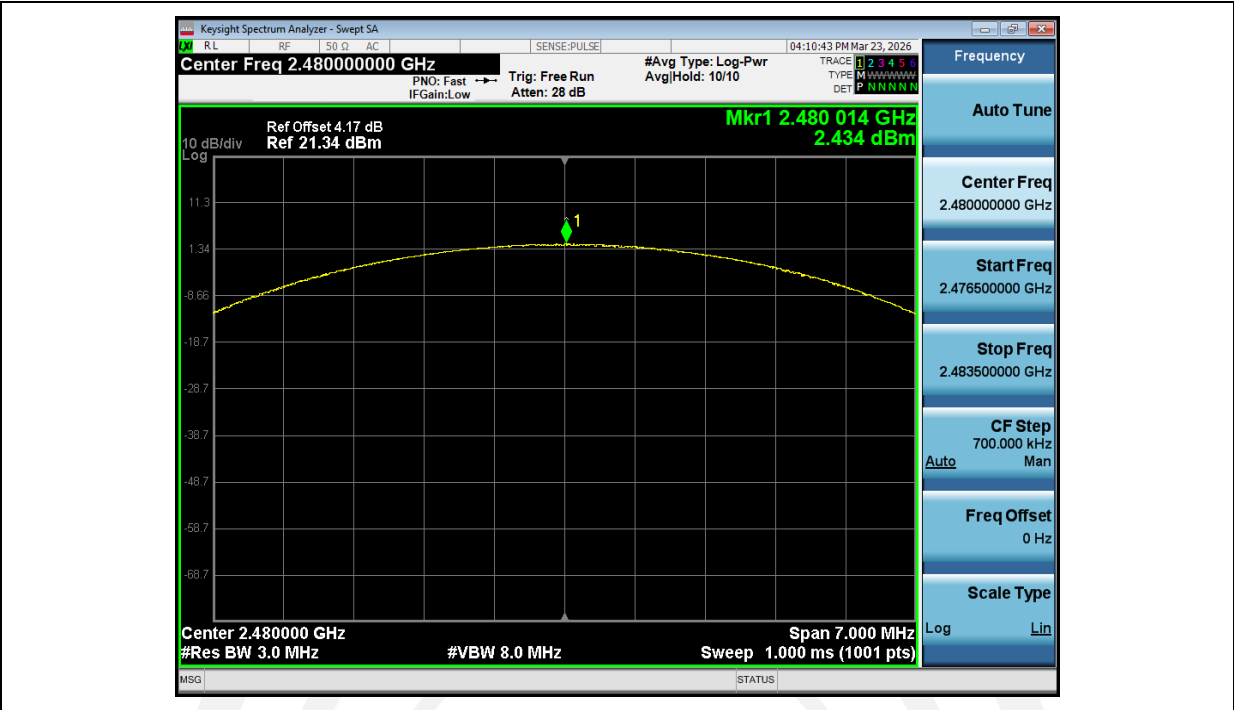
Peak_Output_Power_NVNT_ANT1_3-DH1_2402_00



Peak_Output_Power_NVNT_ANT1_3-DH1_2441_00



Peak_Output_Power_NVNT_ANT1_3-DH1_2480_00



4. Bandwidth

4.1. Limit

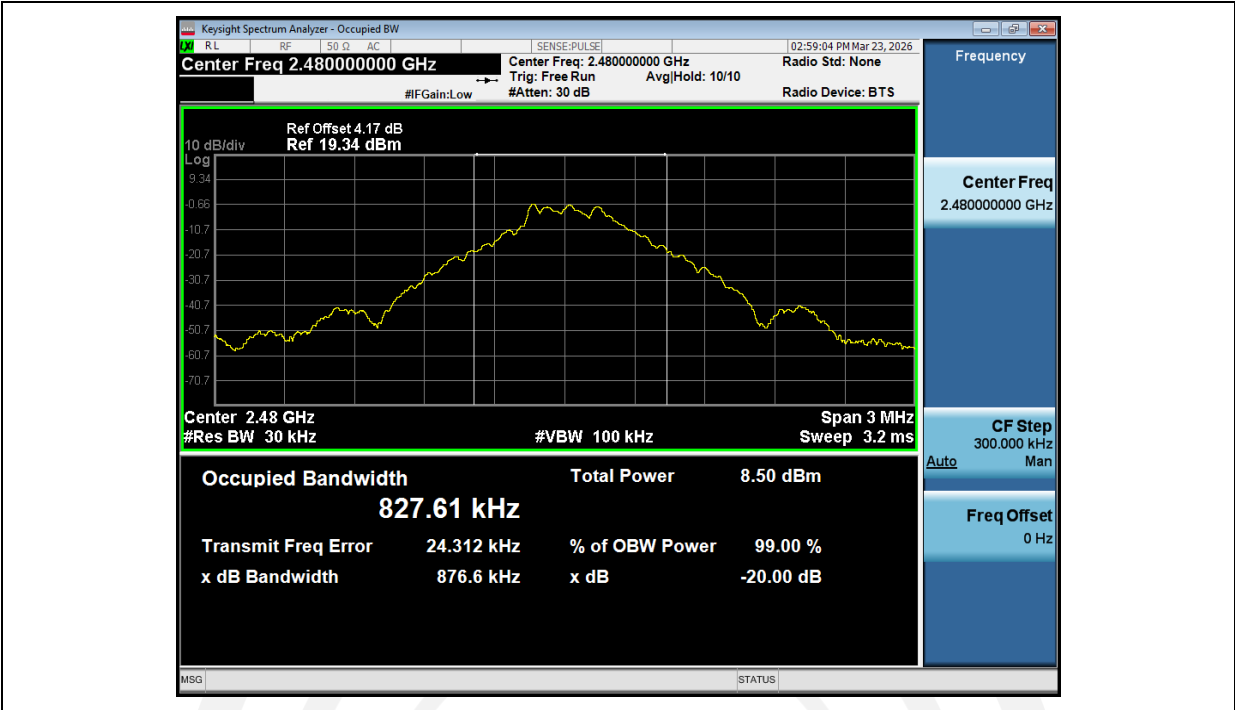
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in RSS-GEN, FCC Section 15.247(a)(1), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2. Test Procedure

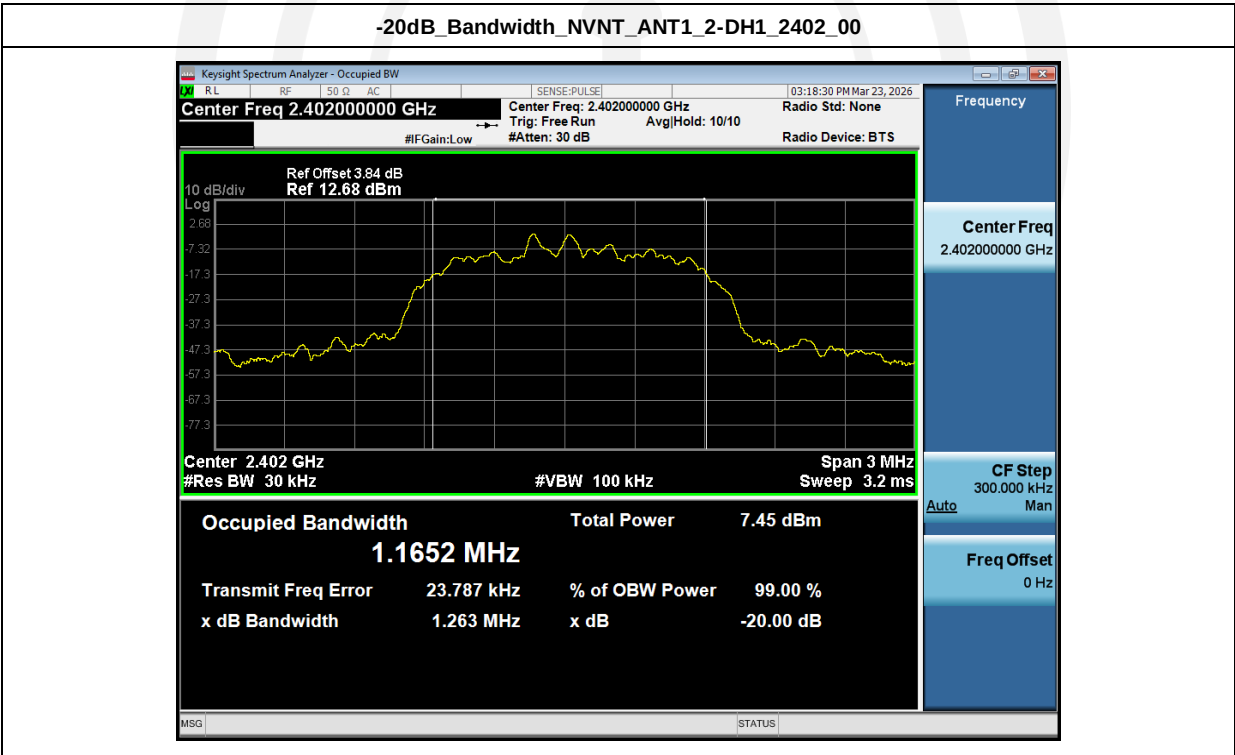
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3. Test Result

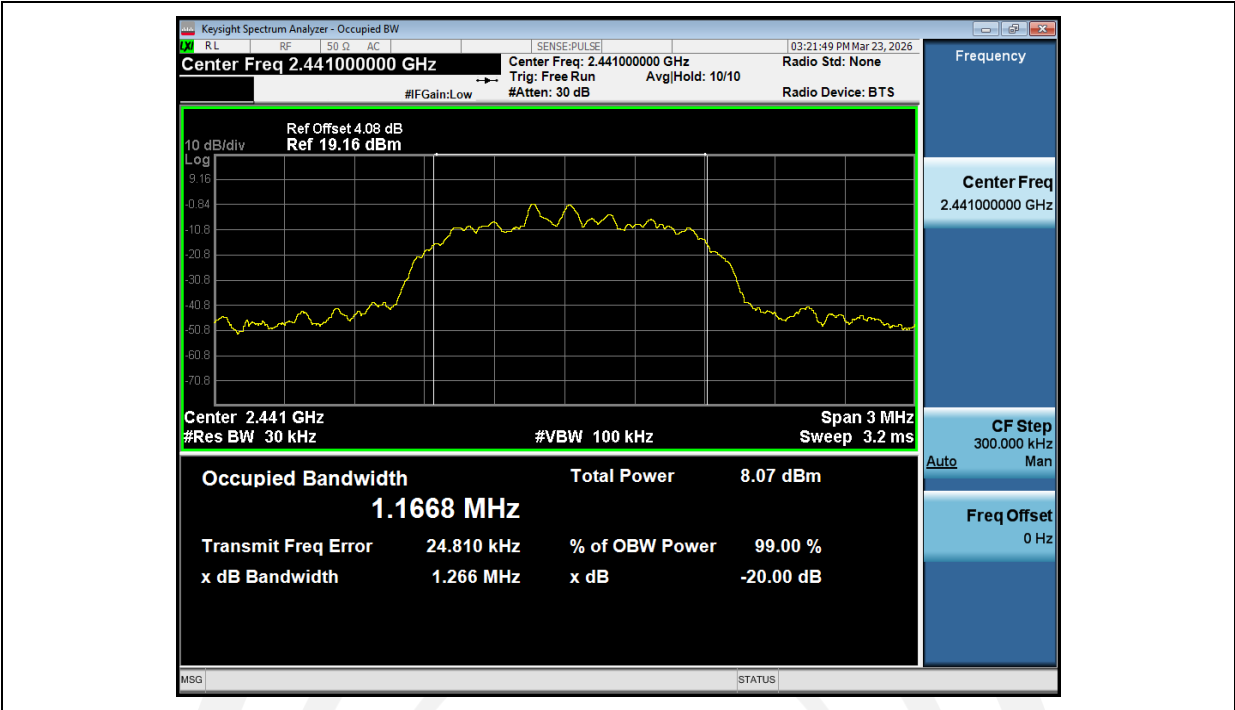
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	0.830	No
NVNT	ANT1	1-DH1	2441.00	0.877	No
NVNT	ANT1	1-DH1	2480.00	0.877	No
NVNT	ANT1	2-DH1	2402.00	1.263	Yes
NVNT	ANT1	2-DH1	2441.00	1.266	Yes
NVNT	ANT1	2-DH1	2480.00	1.279	Yes
NVNT	ANT1	3-DH1	2402.00	1.223	Yes
NVNT	ANT1	3-DH1	2441.00	1.222	Yes
NVNT	ANT1	3-DH1	2480.00	1.224	Yes



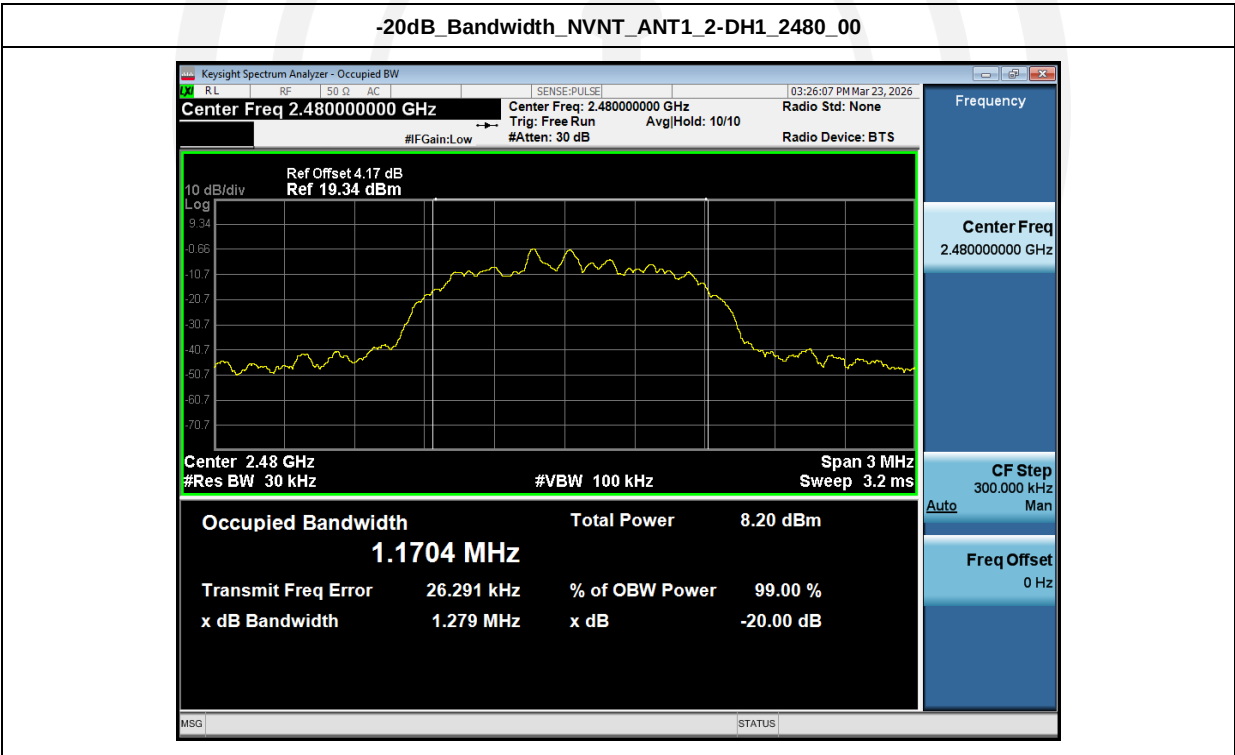
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2402_00



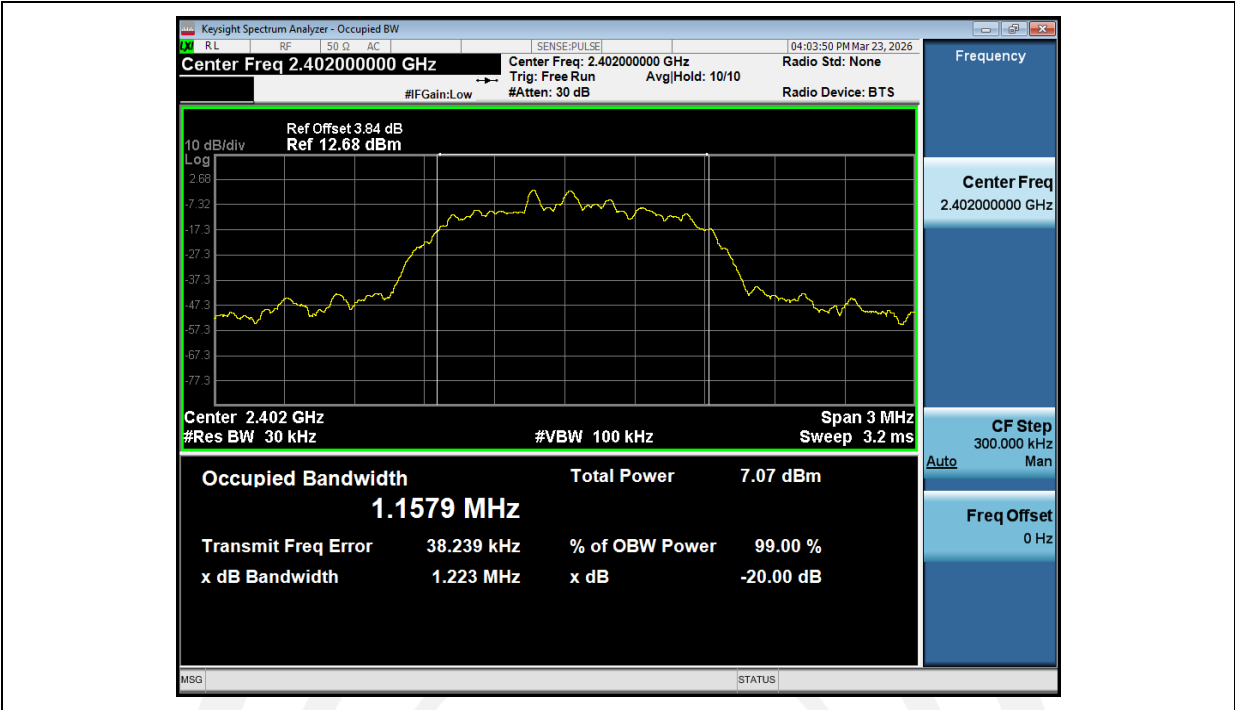
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2441_00



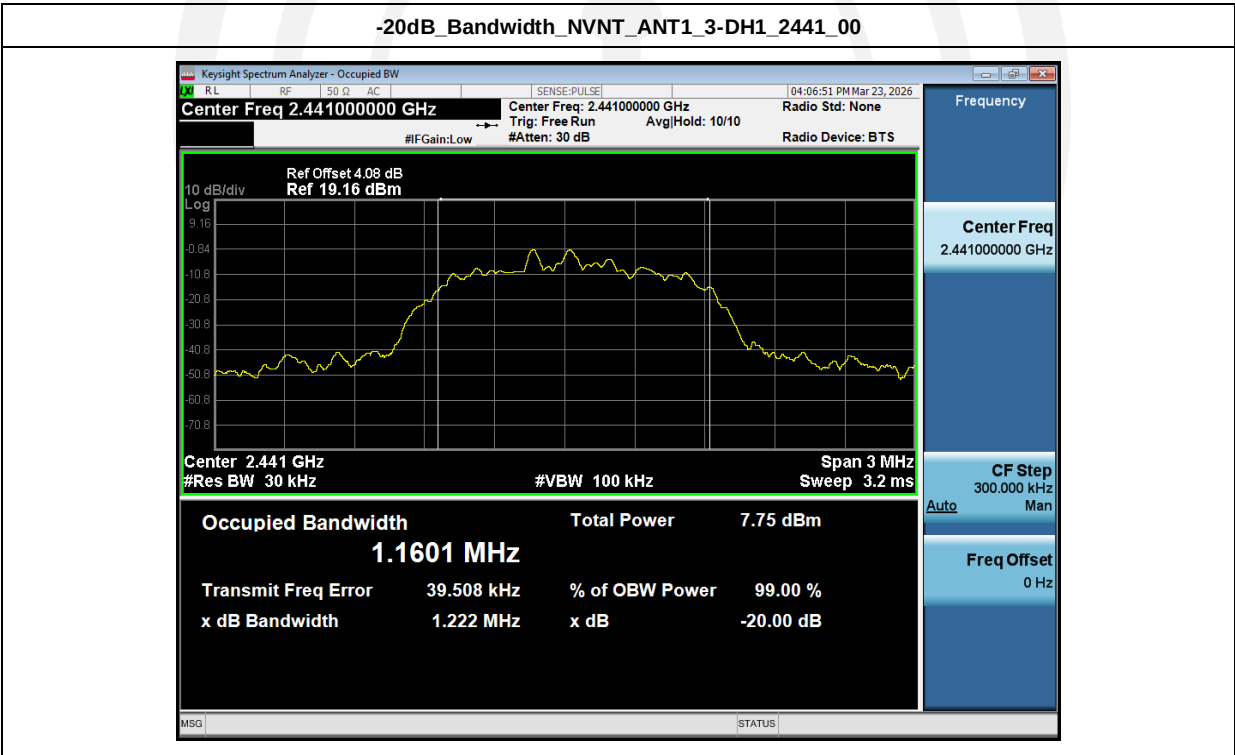
-20dB_Bandwidth_NVNT_ANT1_2-DH1_2480_00



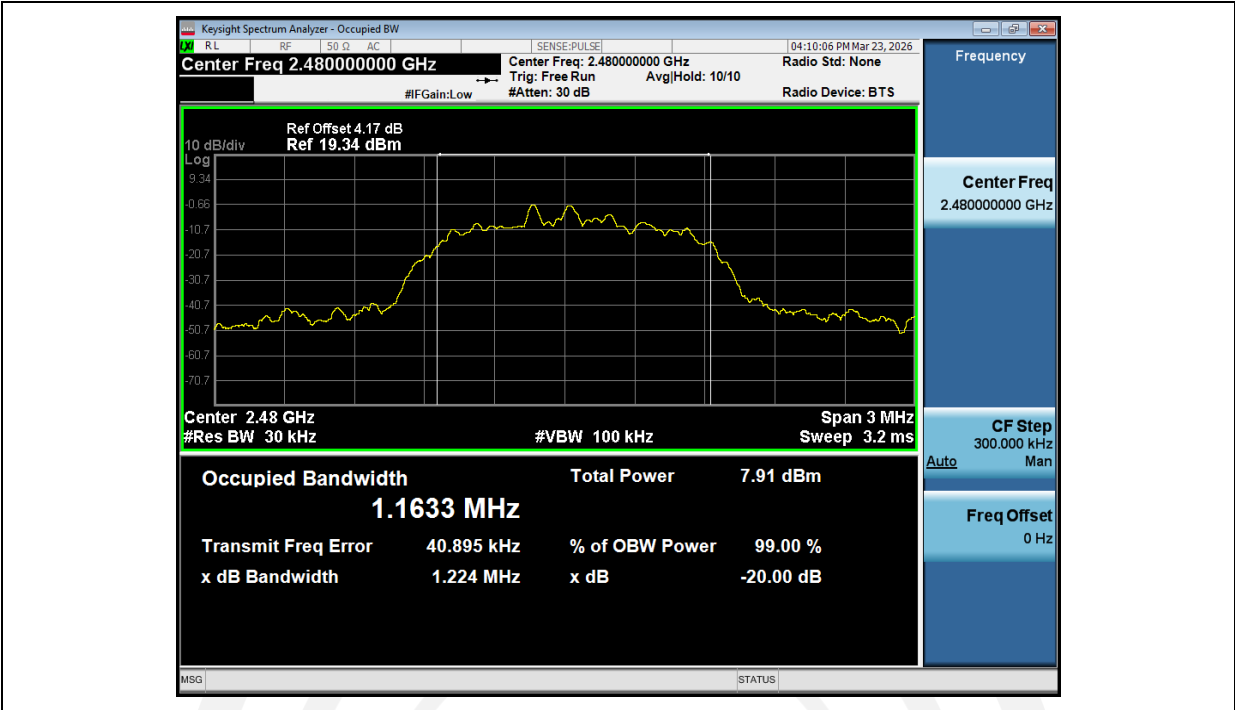
-20dB_Bandwidth_NVNT_ANT1_3-DH1_2402_00



-20dB_Bandwidth_NVNT_ANT1_3-DH1_2441_00

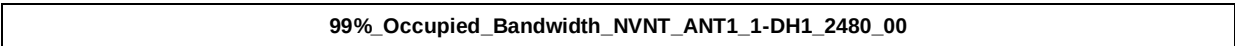
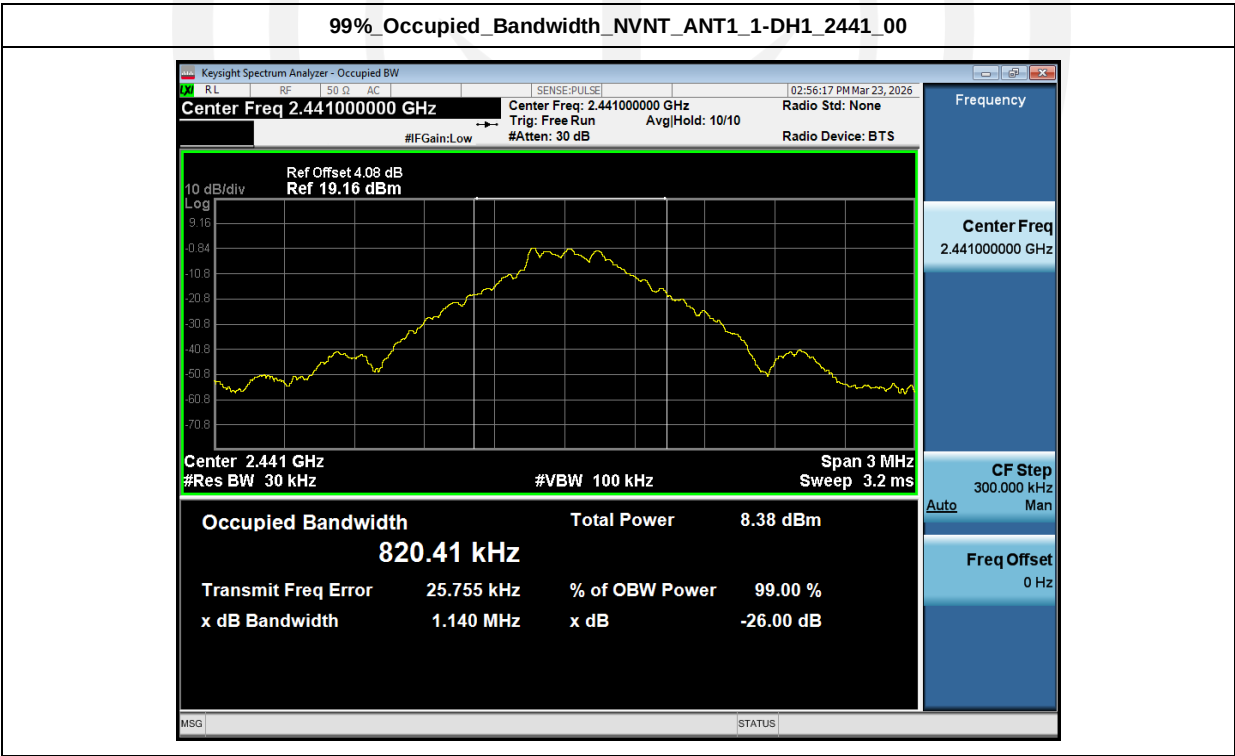
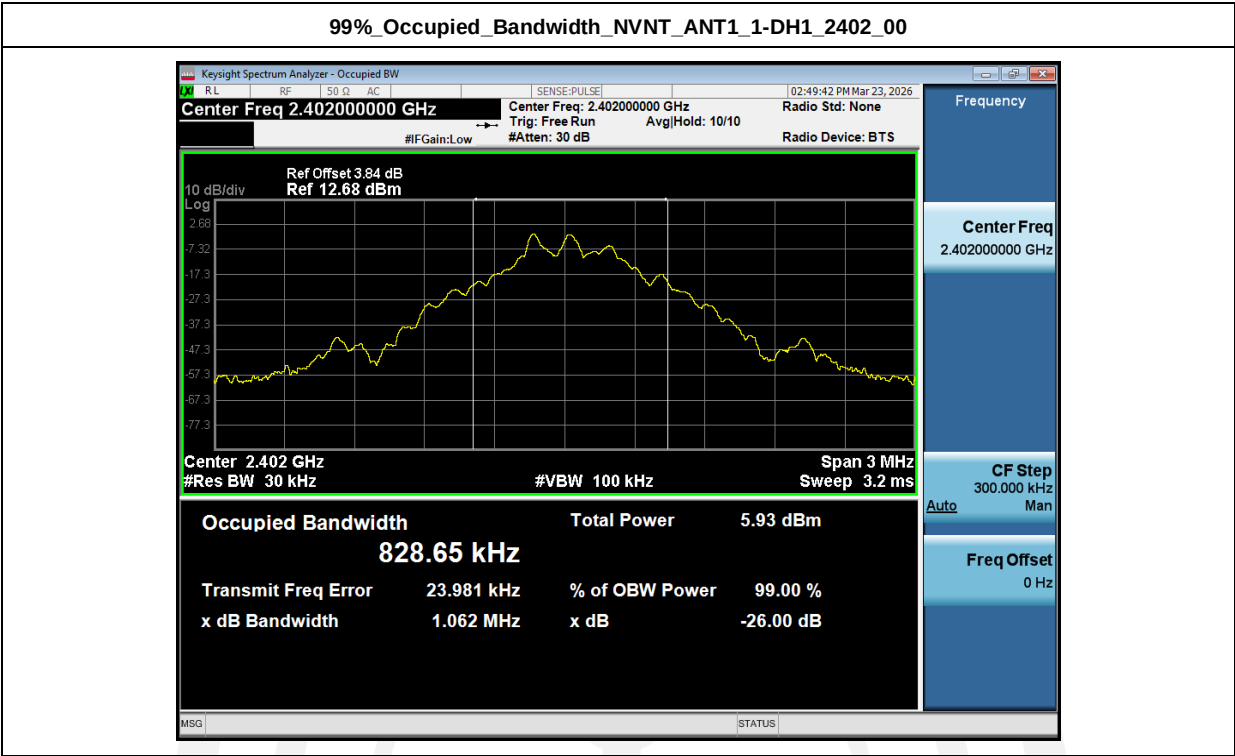


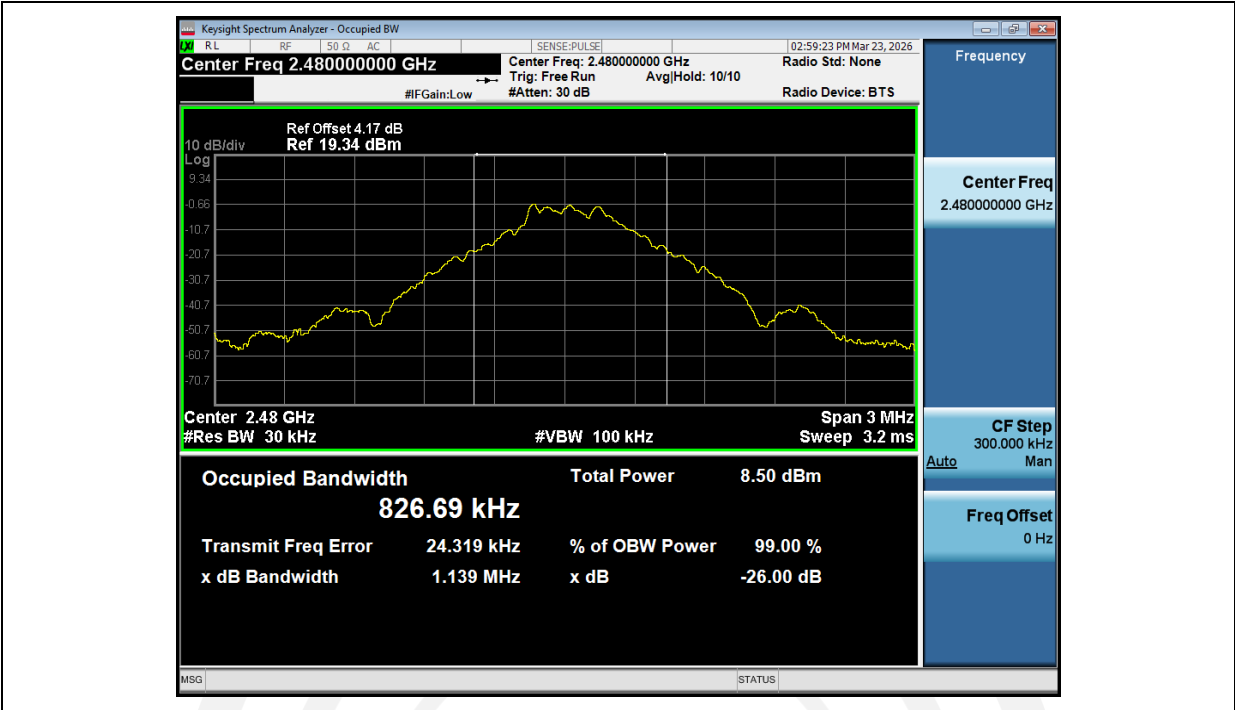
-20dB_Bandwidth_NVNT_ANT1_3-DH1_2480_00



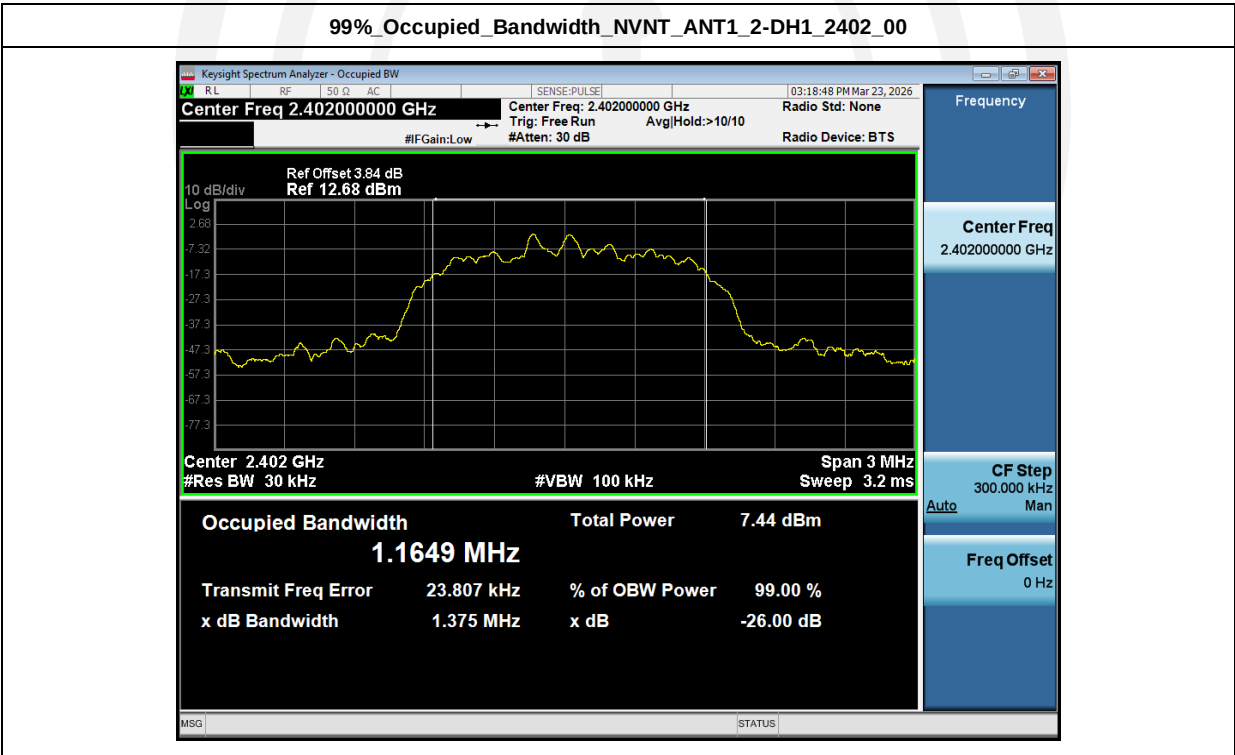
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1-DH1	2402.00	0.829
NVNT	ANT1	1-DH1	2441.00	0.820
NVNT	ANT1	1-DH1	2480.00	0.827
NVNT	ANT1	2-DH1	2402.00	1.165
NVNT	ANT1	2-DH1	2441.00	1.167
NVNT	ANT1	2-DH1	2480.00	1.169
NVNT	ANT1	3-DH1	2402.00	1.158
NVNT	ANT1	3-DH1	2441.00	1.160
NVNT	ANT1	3-DH1	2480.00	1.163



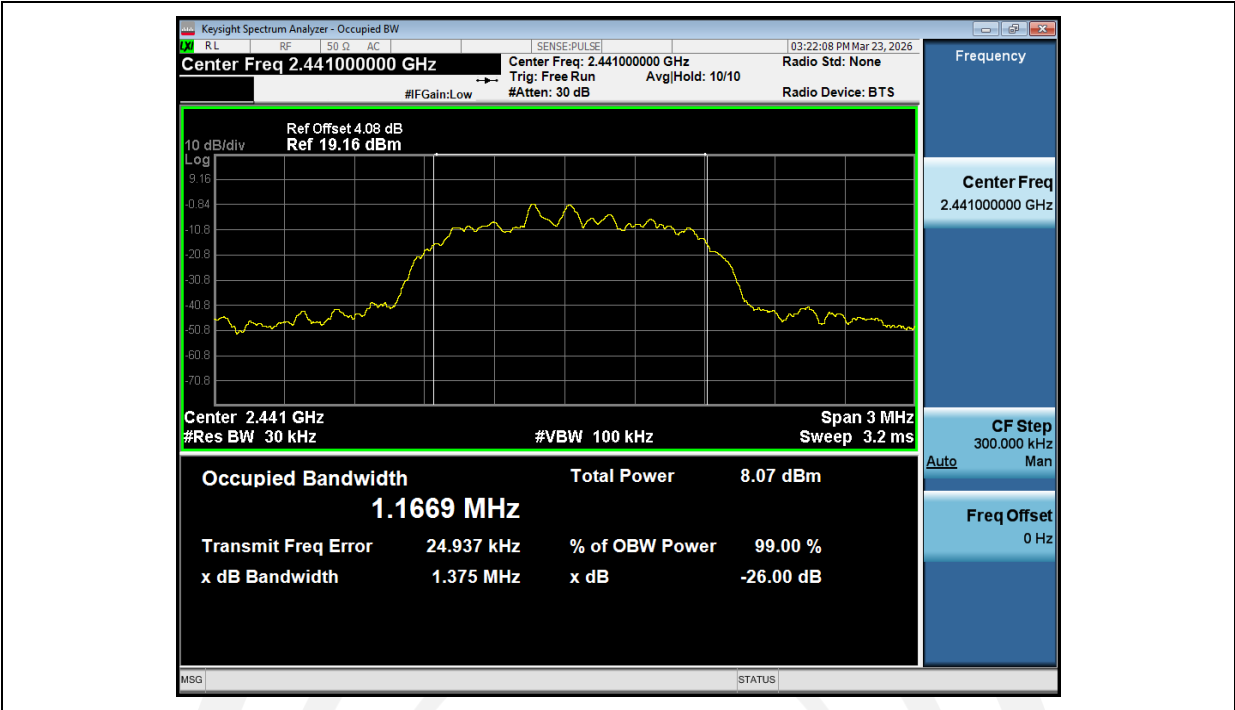




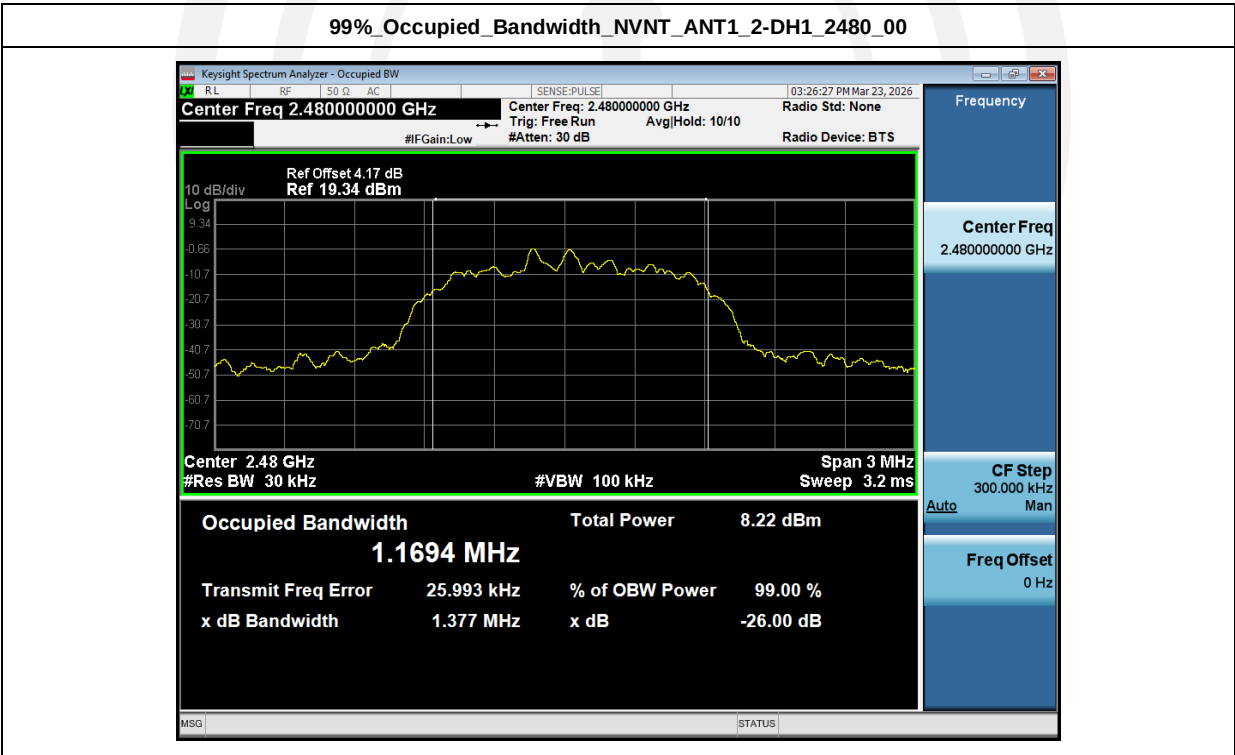
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2402_00



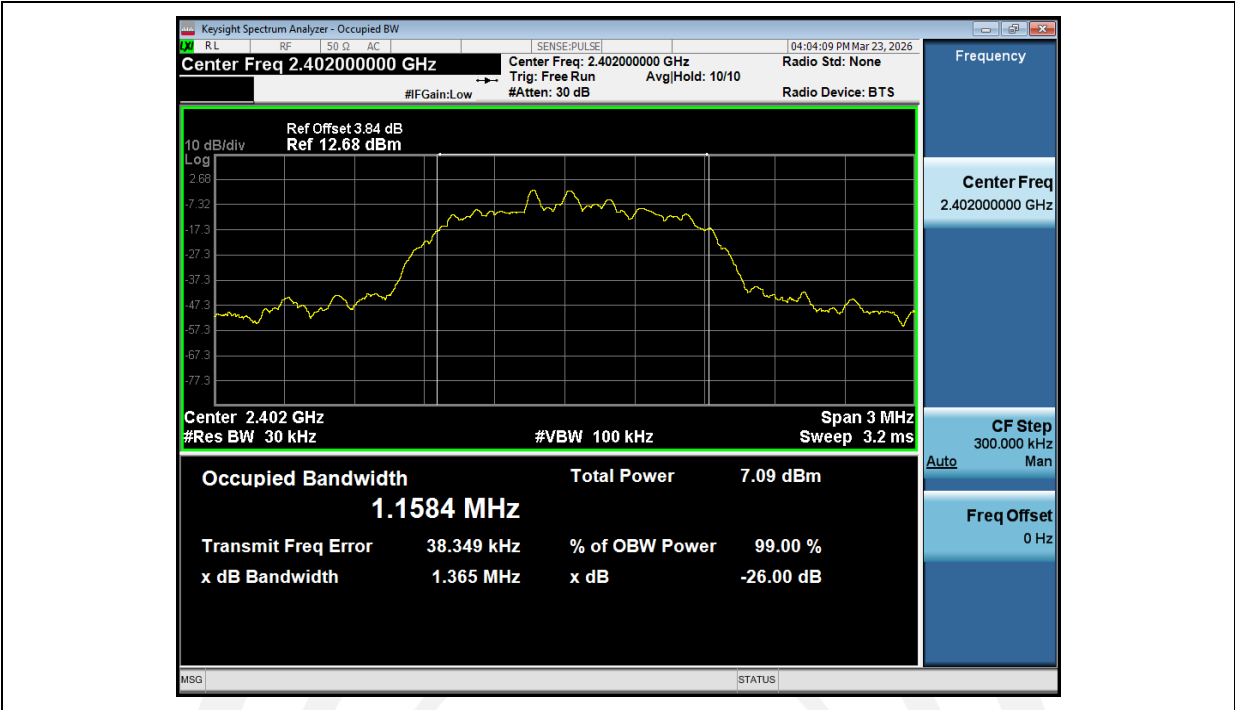
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2441_00



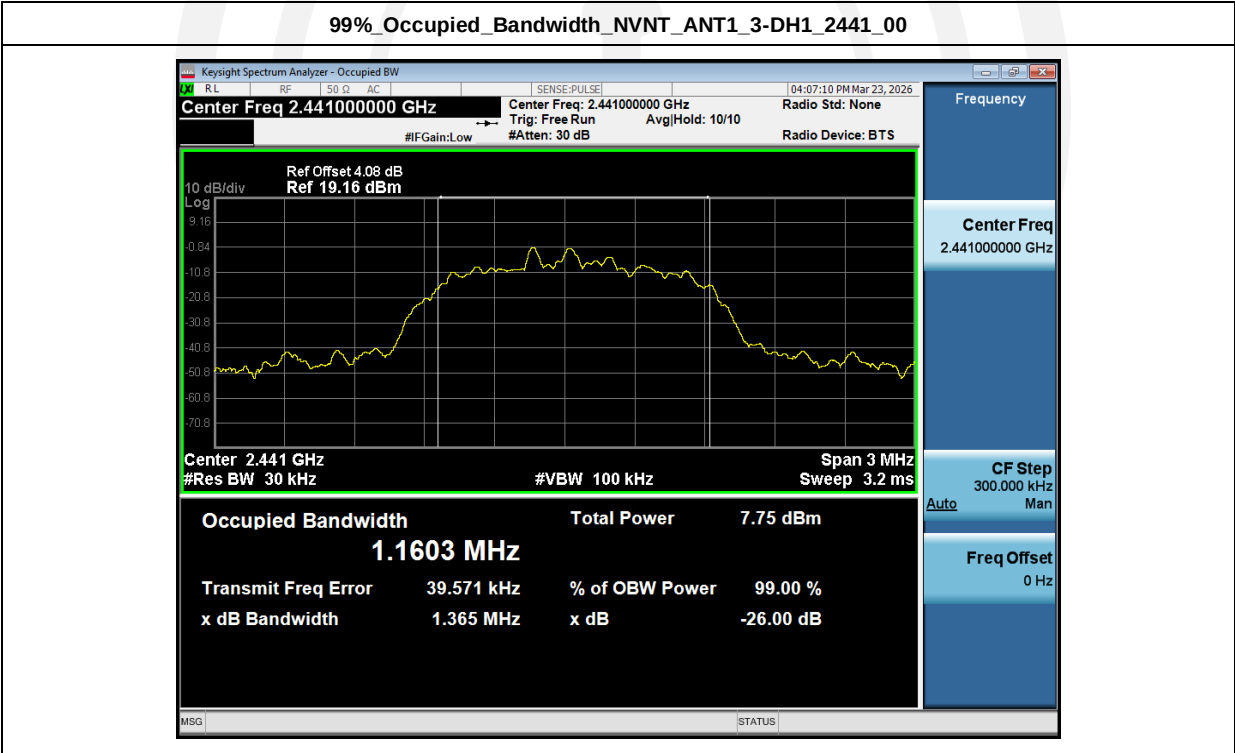
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH1_2480_00



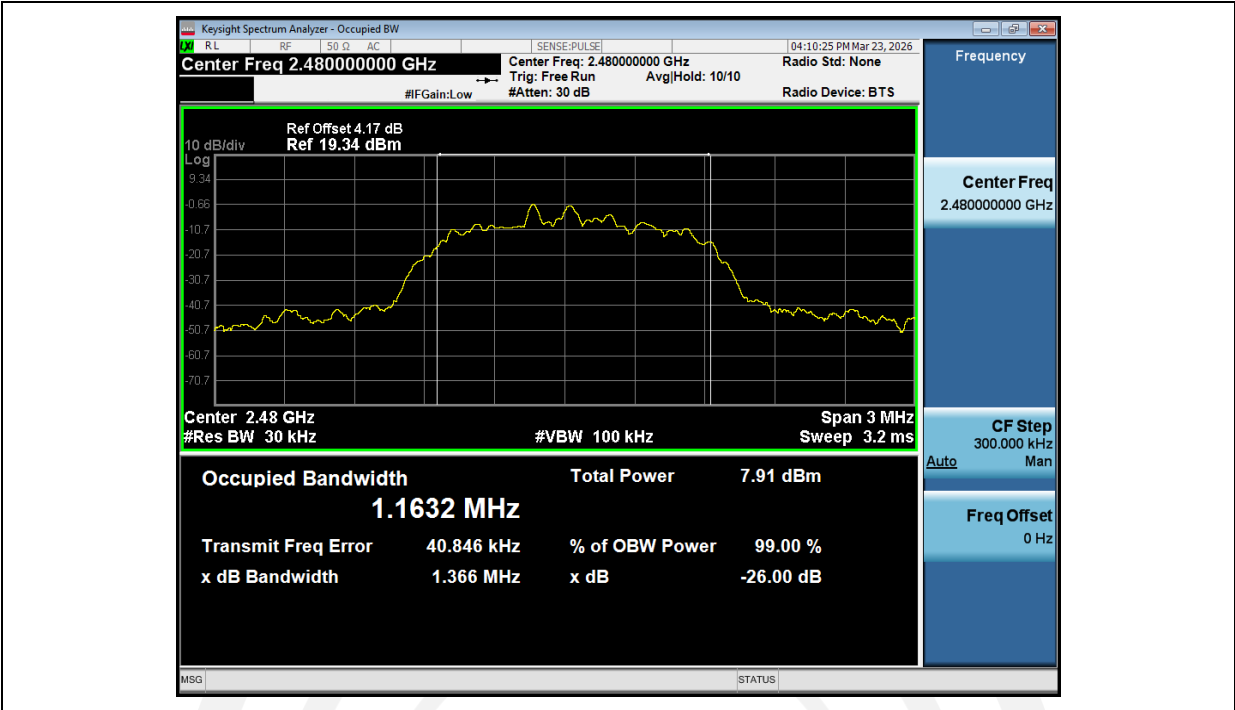
99%_Occupied_Bandwidth_NVNT_ANT1_3-DH1_2402_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH1_2441_00



99%_Occupied_Bandwidth_NVNT_ANT1_3-DH1_2480_00



5. Carrier Frequency Separation

5.1. 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

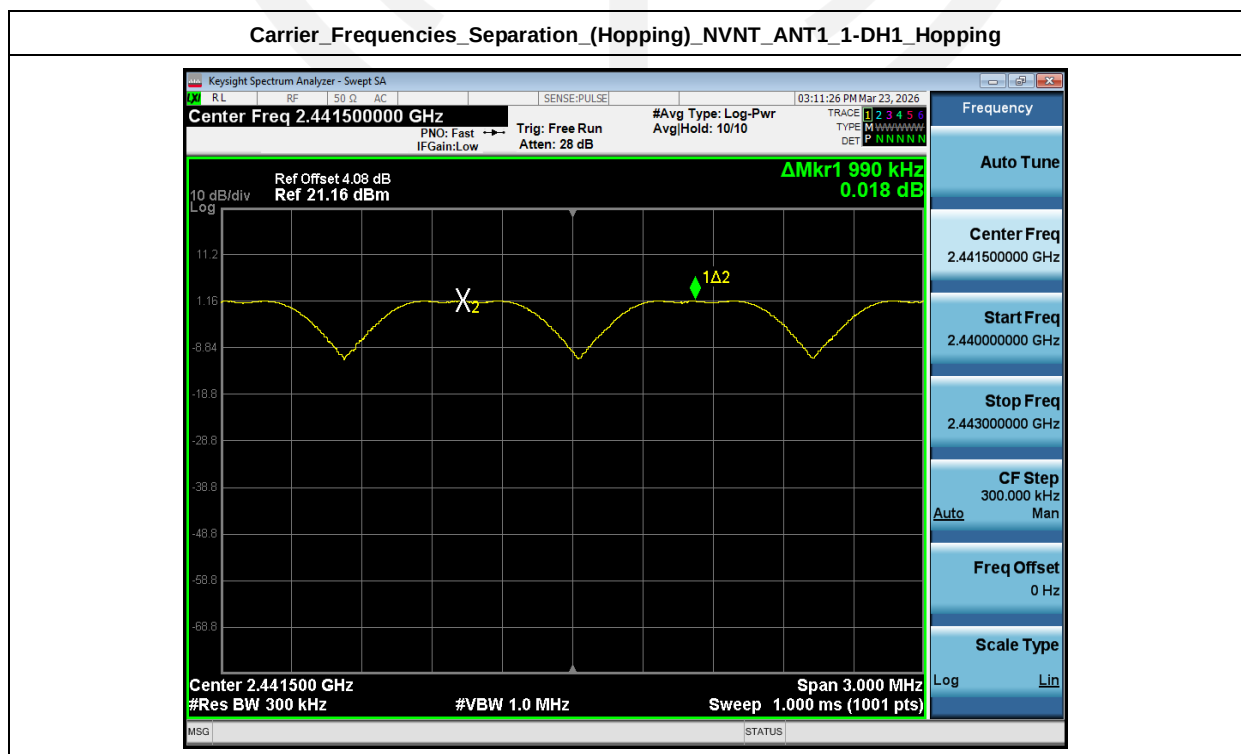
Please refer FCC part 15.247 & RSS-247.

5.2. Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The carrier frequency was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW.

5.3. Test Result

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2441.00	2441.032	2442.022	0.99	0.877	Pass
NVNT	ANT1	2-DH1	2441.00	2441.020	2442.016	1.00	0.844	Pass
NVNT	ANT1	3-DH1	2441.00	2441.014	2442.016	1.00	0.815	Pass



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH1_Hopping



6. Number Of Hopping Channel

6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

Please refer FCC part 15.247 & RSS-247.

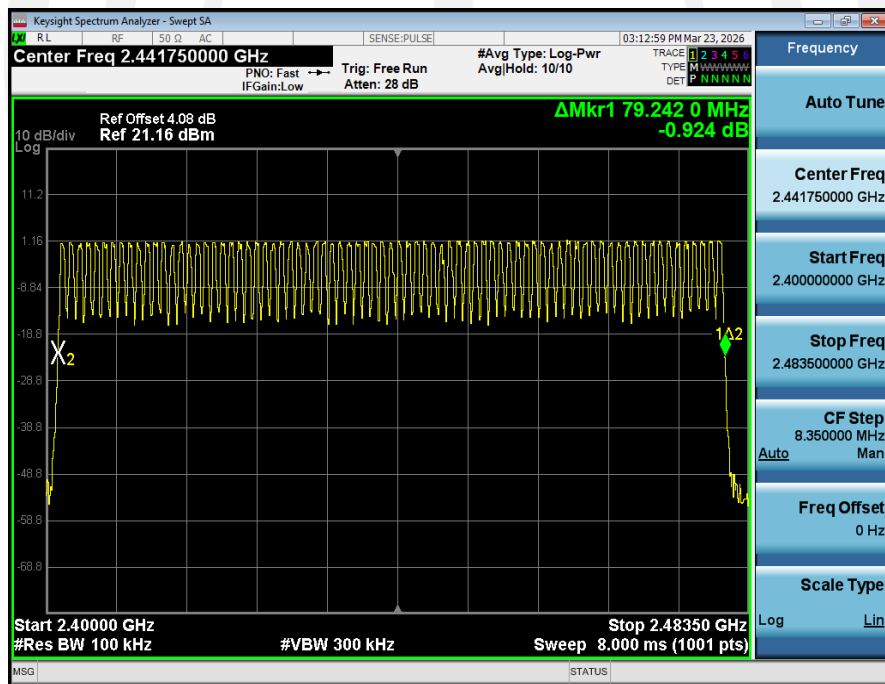
6.2. Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The number of hopping channel was measured by spectrum analyzer with 100kHz RBW and 300KHz VBW.

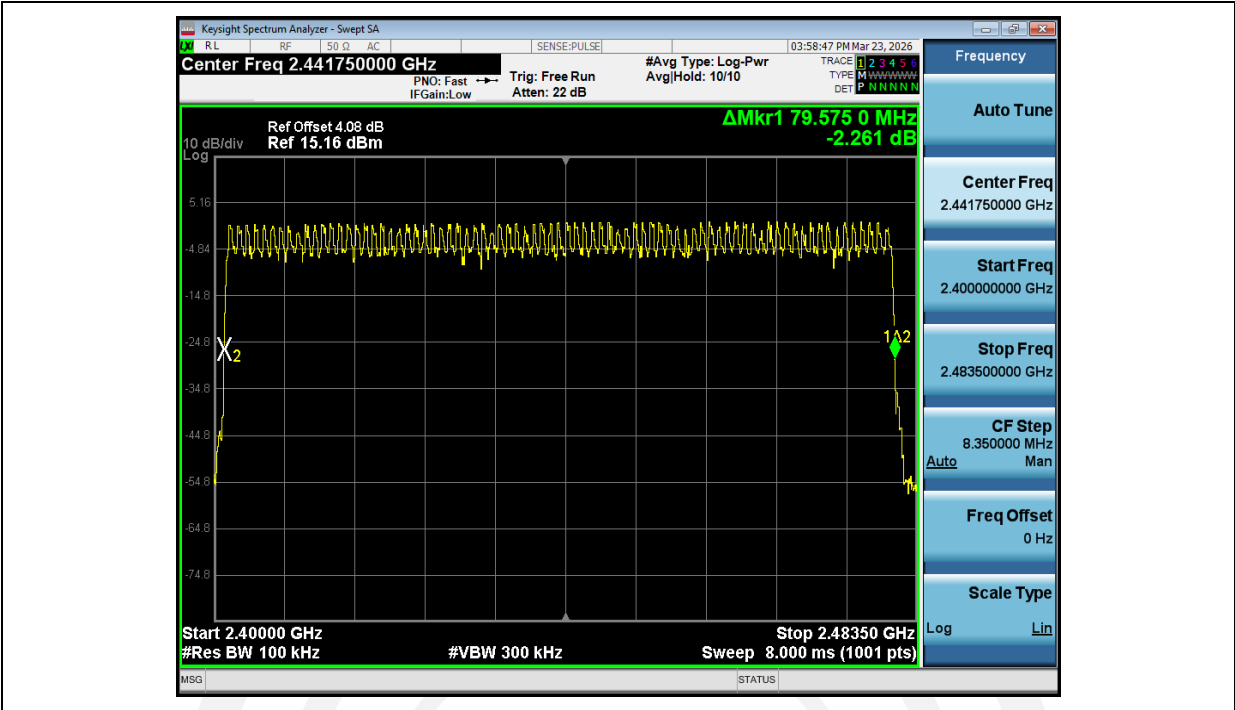
6.3. Test Result

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass

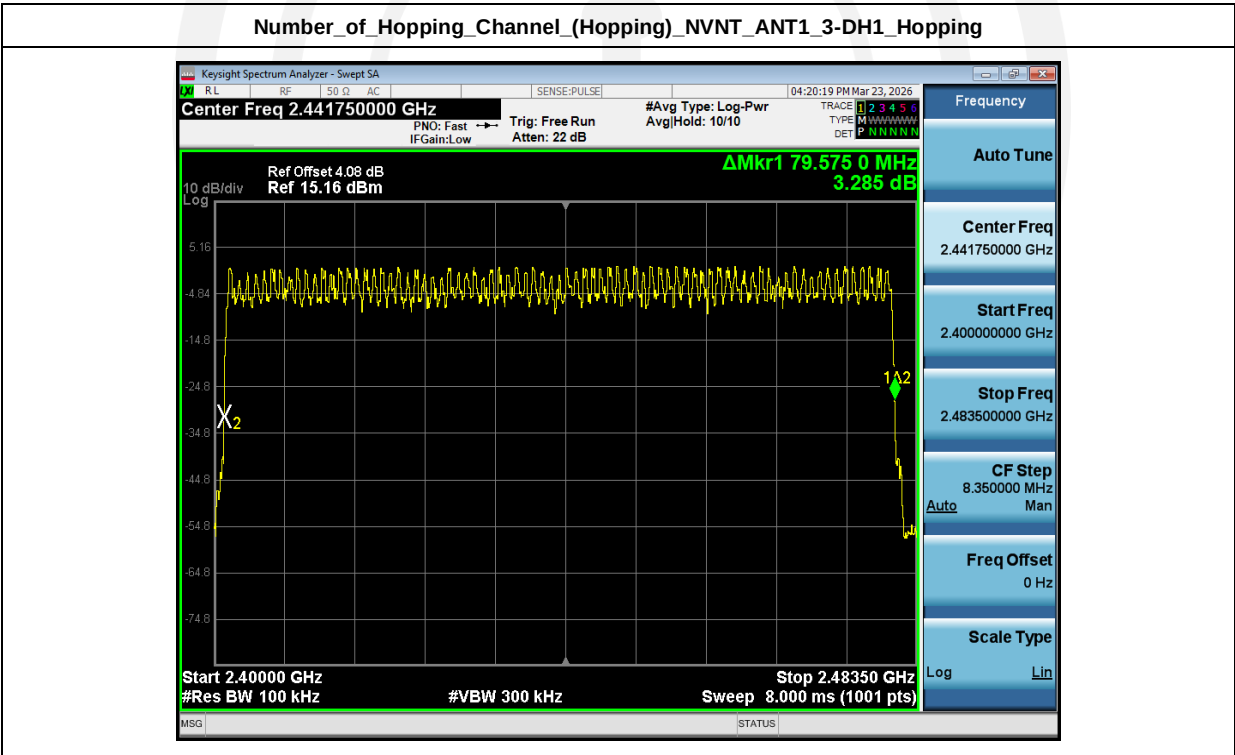
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH1_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH1_Hopping



7. Dwell Time

7.1. Test limit

Please refer FCC part 15.247 & RSS-247.

Frequency hopping systems operating in the 2400MHz-2483.5MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 seconds multiplied by the number of hopping channel employed.

7.2. Test Procedure

7.2.1. Place the EUT on the table and set it in transmitting mode.

7.2.2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

7.2.3. Set center frequency of spectrum analyzer = operating frequency.

7.2.4. Set the spectrum analyzer as RBW=1MHz, VBW=1MHz, Span = 0Hz, Sweep = auto.

7.2.5. Repeat above procedures until all frequency measured were complete.

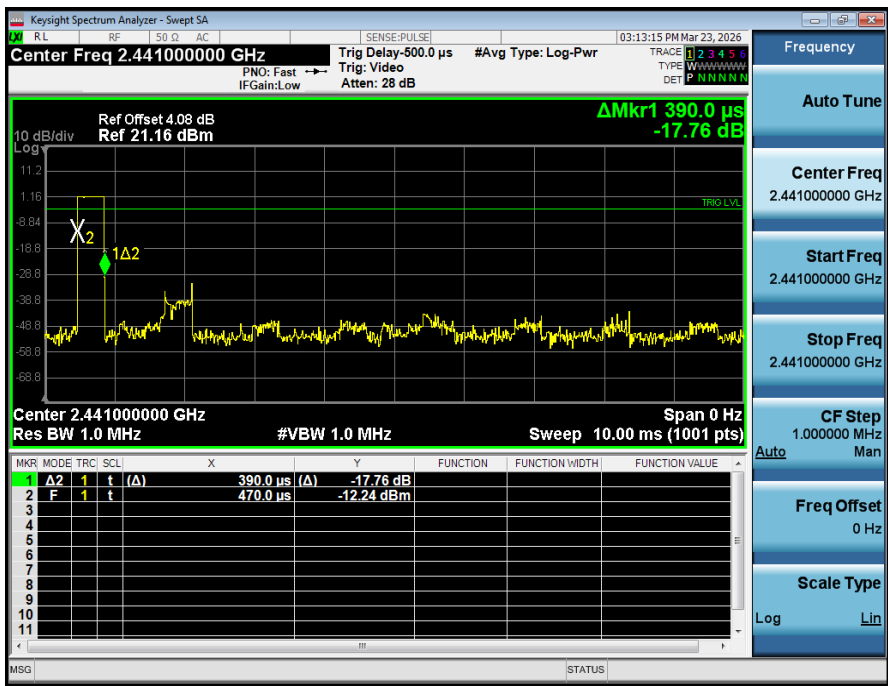
7.2.6. The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

7.2.7. Dwell Time=Pulse Time* Hops Number

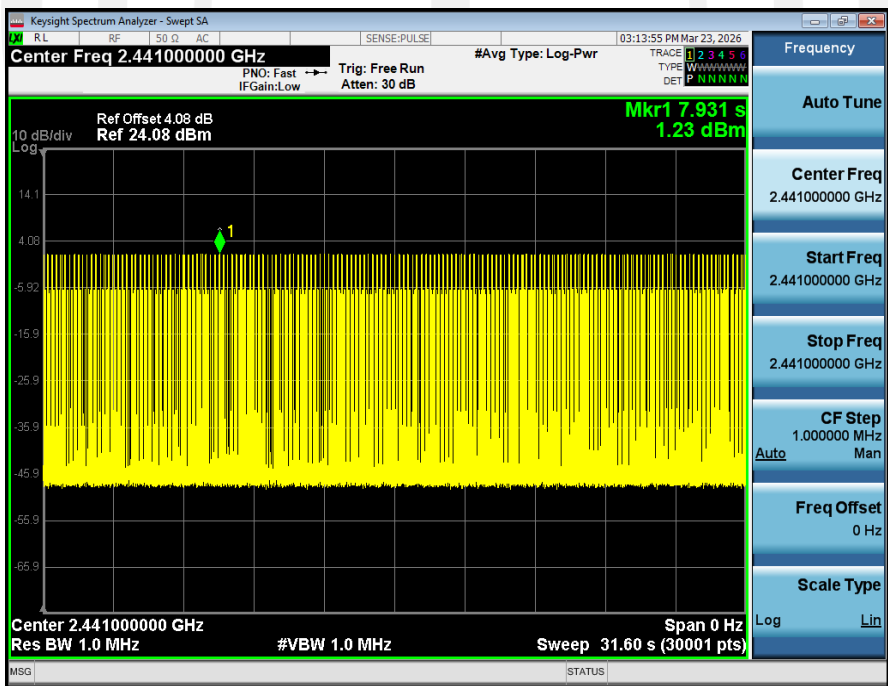
7.3. Test Result

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.390	316.00	123.240	0.40	Pass
NVNT	ANT1	2-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	3-DH1	0.400	318.00	127.200	0.40	Pass
NVNT	ANT1	1-DH3	1.640	146.00	239.440	0.40	Pass
NVNT	ANT1	1-DH5	2.890	106.00	306.340	0.40	Pass
NVNT	ANT1	2-DH3	1.640	160.00	262.400	0.40	Pass
NVNT	ANT1	2-DH5	2.890	97.00	280.330	0.40	Pass
NVNT	ANT1	3-DH3	1.640	152.00	249.280	0.40	Pass
NVNT	ANT1	3-DH5	2.900	104.00	301.600	0.40	Pass

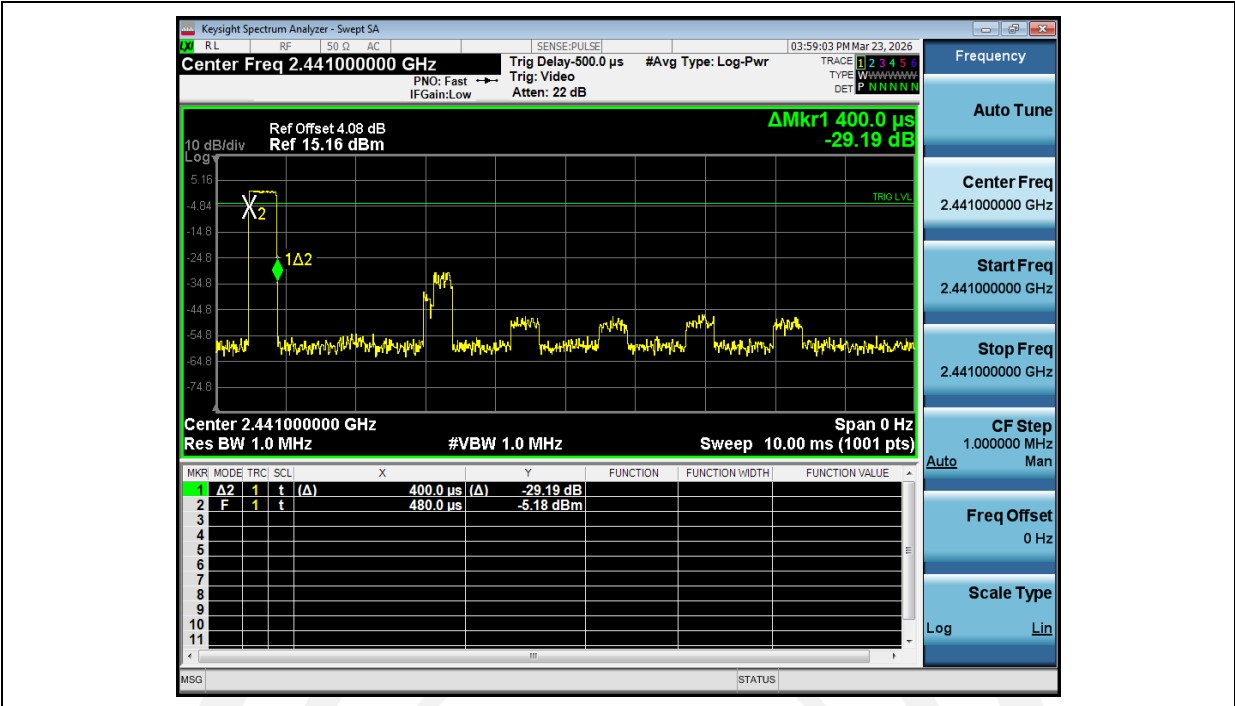
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



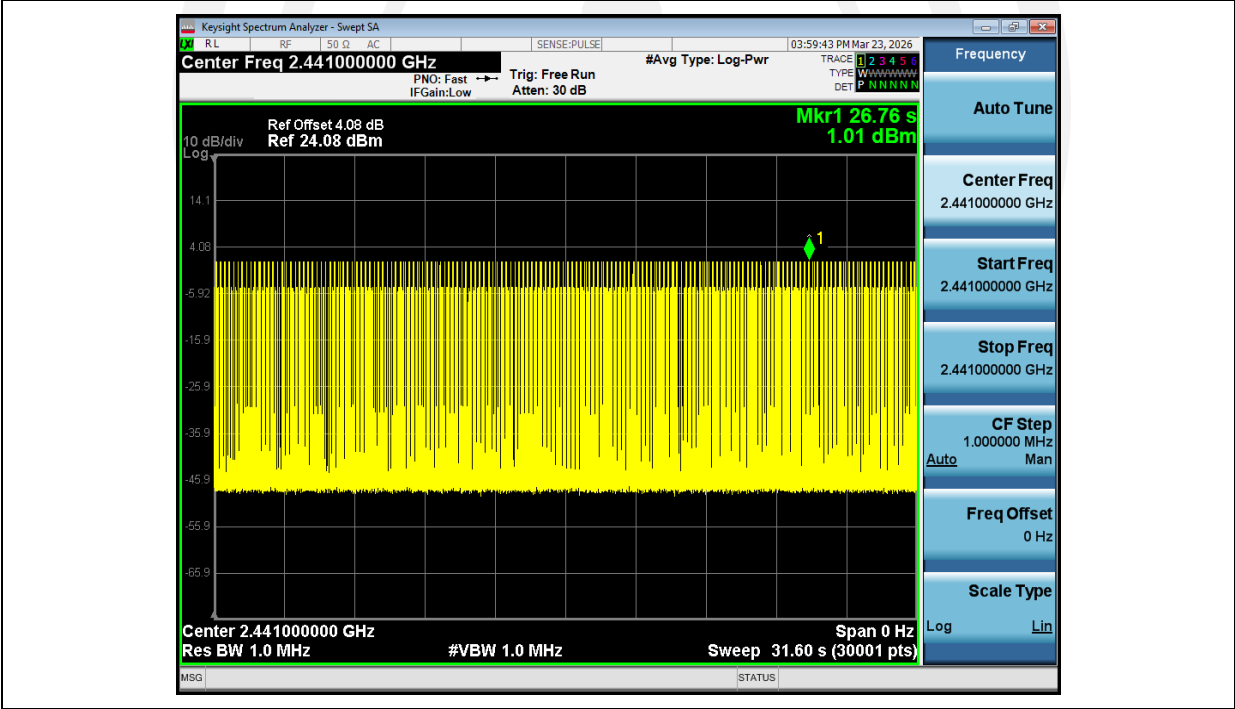
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated



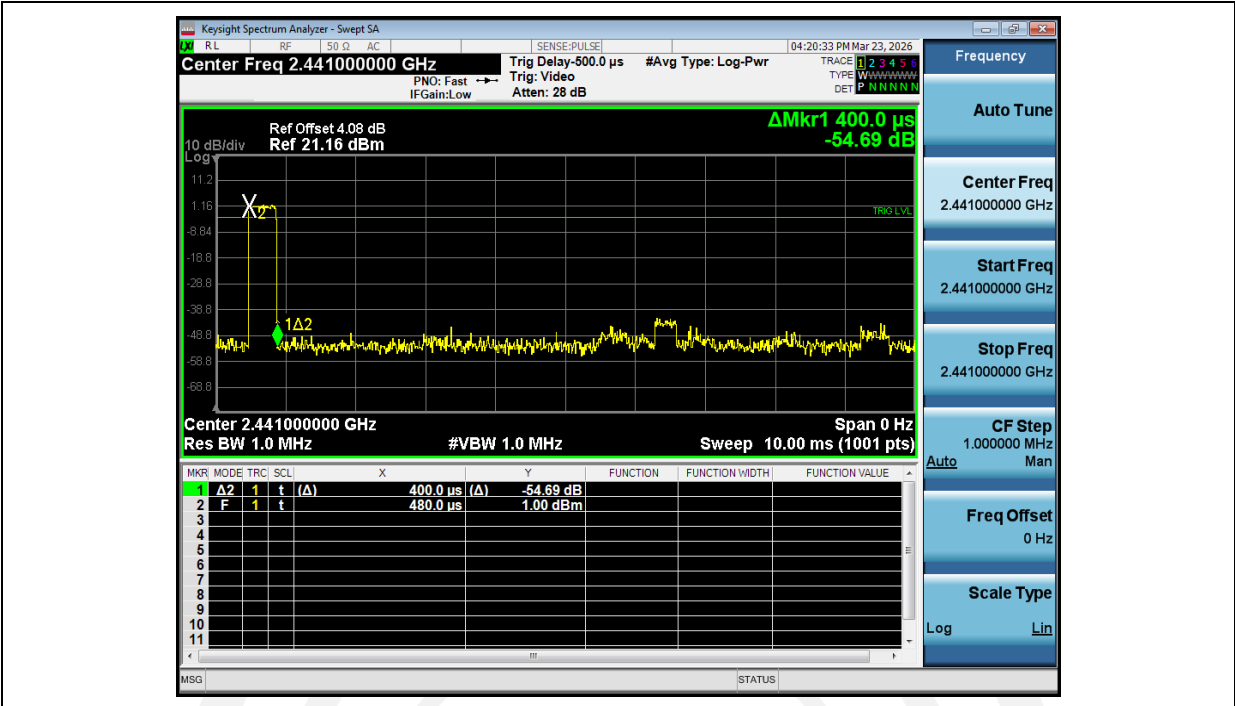
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



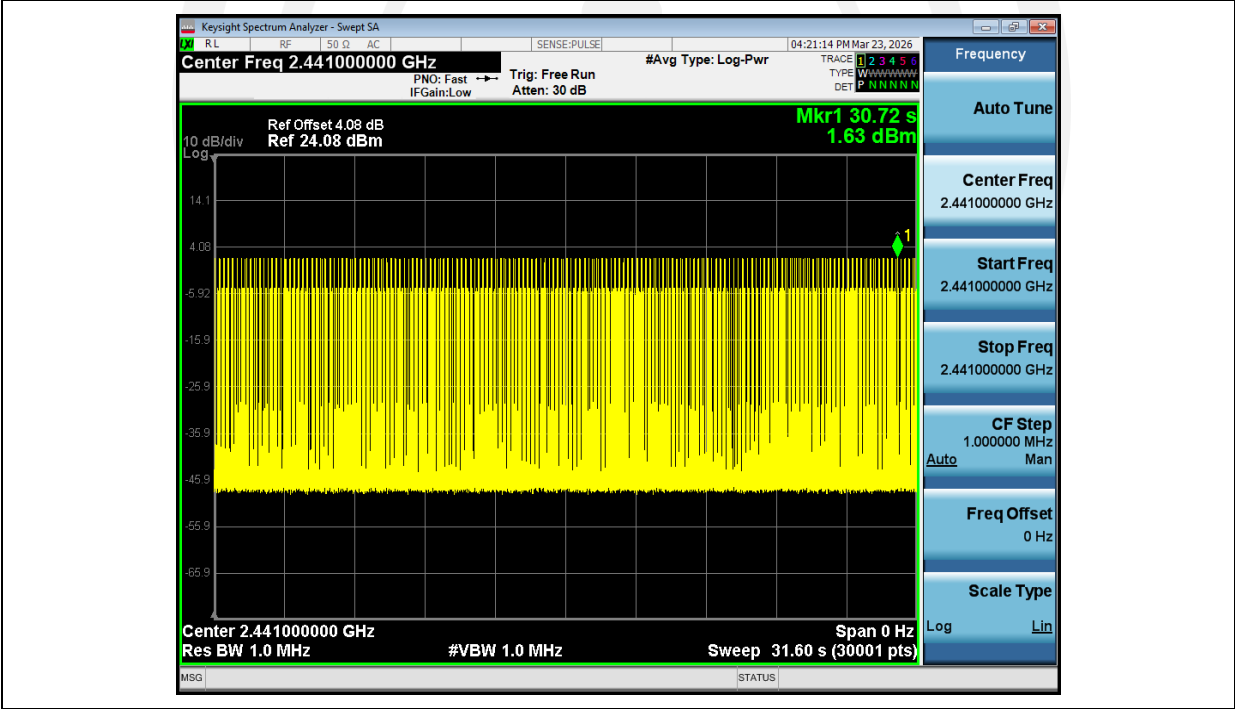
Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_Accumulated



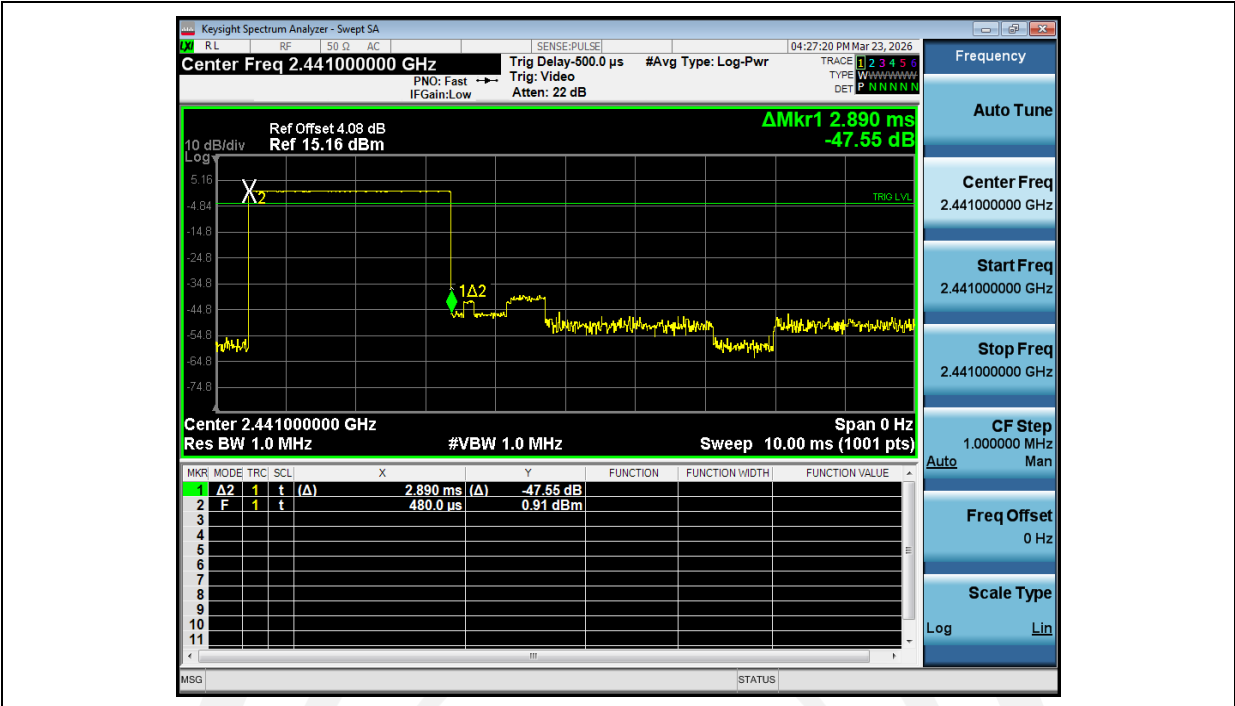
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



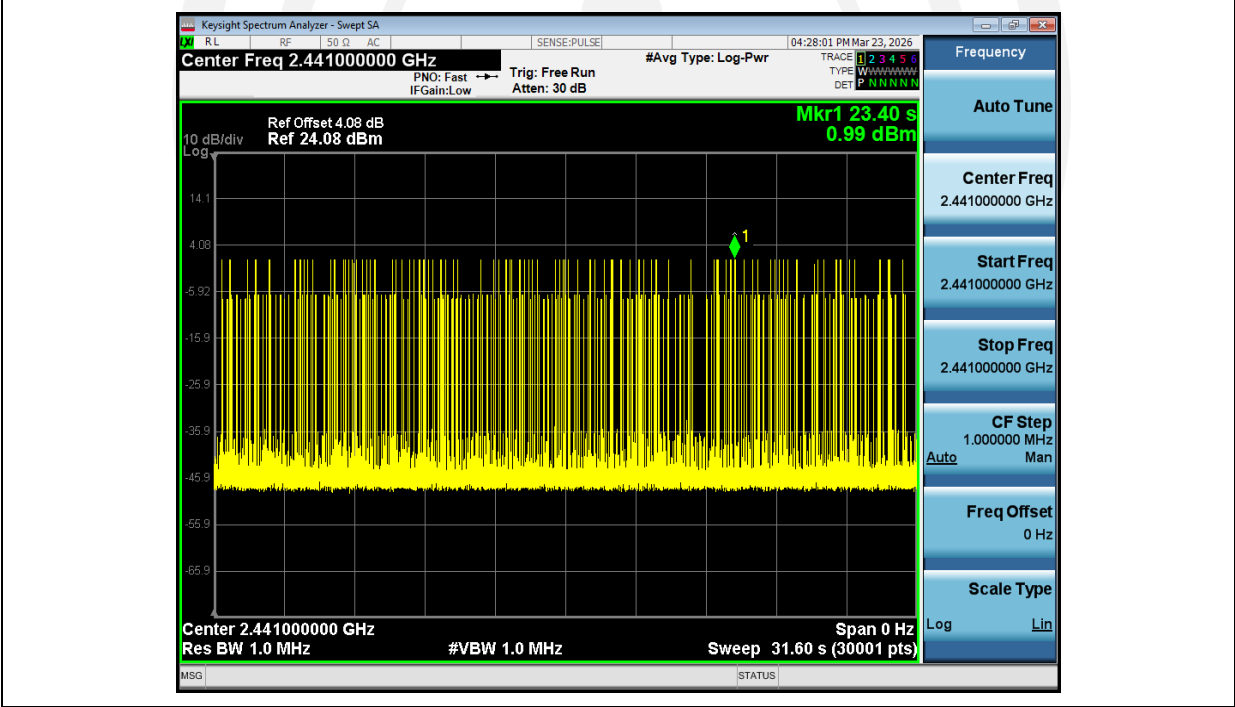
Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



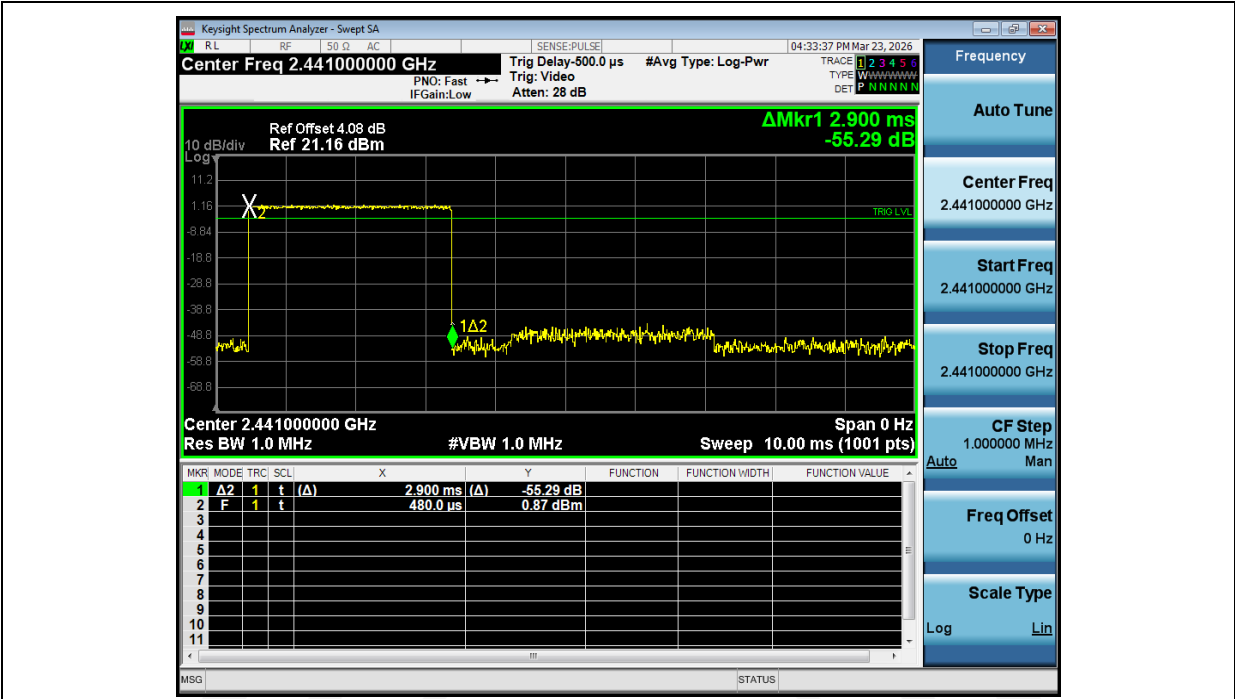
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



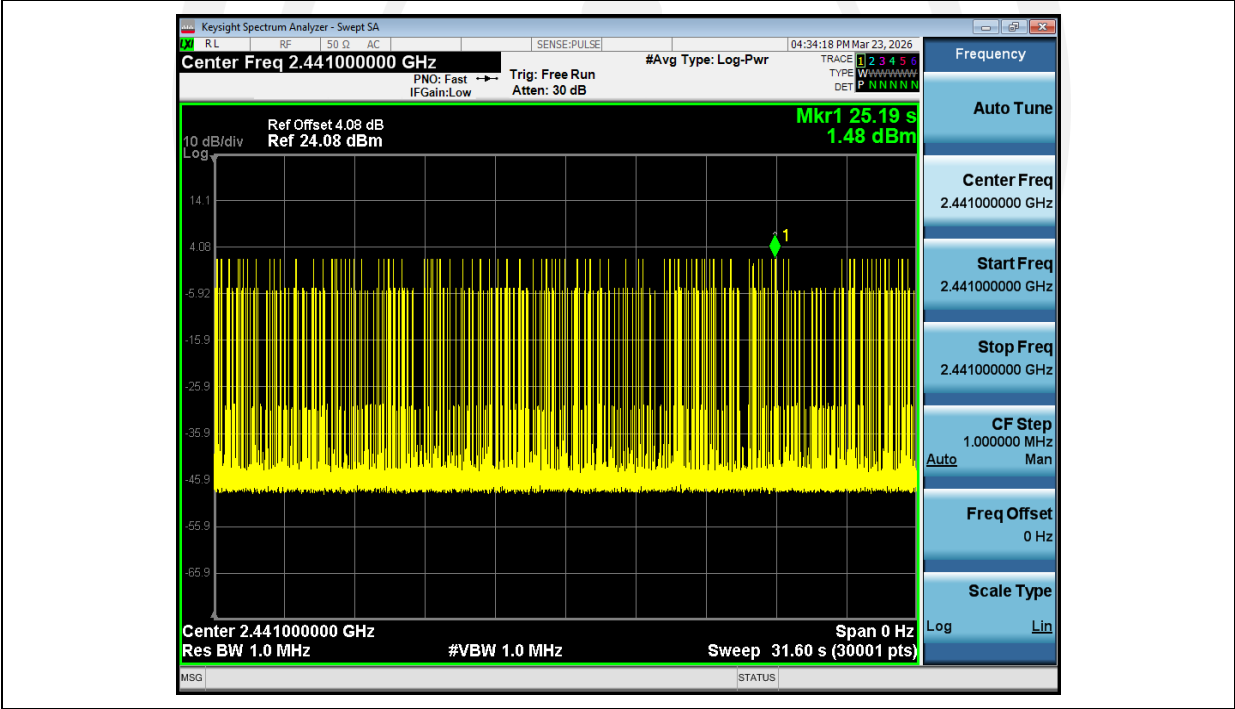
Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



Dwell_Time (Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



8. Out-of-band Emissions

8.1. Test Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in FCC Part 15.209(a) is not required. Please refer section RSS-GEN&15.247.

8.2. Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, band edge and out-of-band emissions.

8.3. Test Setup



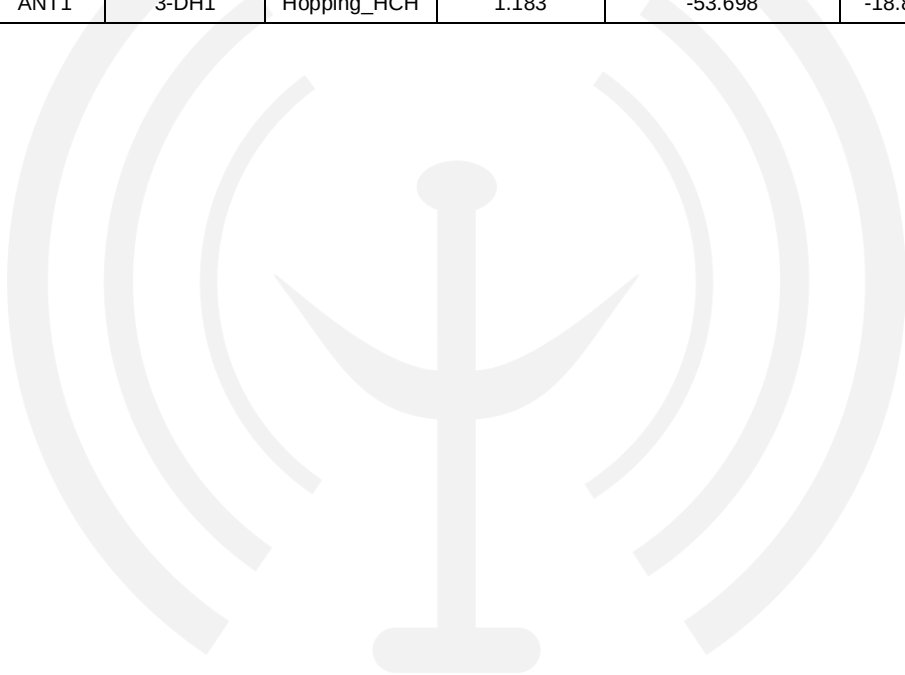
8.4. Test Results

PASS.

The test results are listed in next pages.

Band Edge: Pass

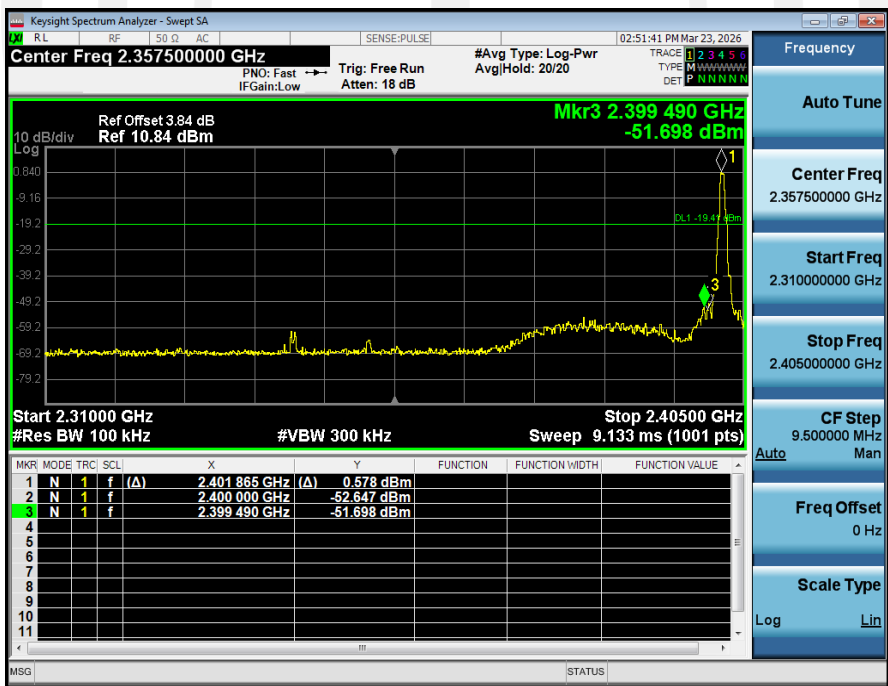
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	0.589	-51.698	-19.411	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	1.051	-49.759	-18.949	Pass
NVNT	ANT1	1-DH1	2480.00	1.321	-53.210	-18.679	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	1.379	-51.834	-18.621	Pass
NVNT	ANT1	2-DH1	2402.00	0.467	-51.833	-19.533	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	0.928	-50.789	-19.072	Pass
NVNT	ANT1	2-DH1	2480.00	1.264	-52.885	-18.736	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	1.067	-54.161	-18.933	Pass
NVNT	ANT1	3-DH1	2402.00	0.243	-52.188	-19.757	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	0.834	-54.345	-19.166	Pass
NVNT	ANT1	3-DH1	2480.00	1.085	-54.496	-18.915	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	1.183	-53.698	-18.817	Pass



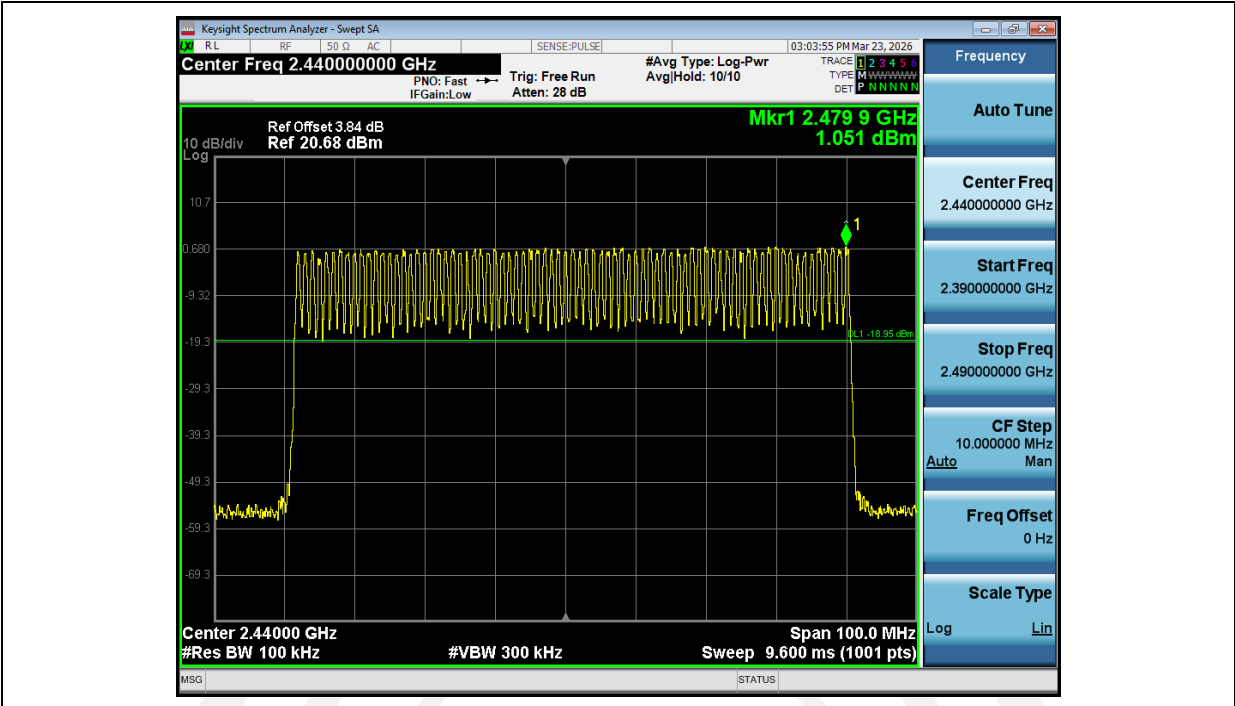
1_Reference_Level_NVNT_ANT1_1-DH1_2402_00



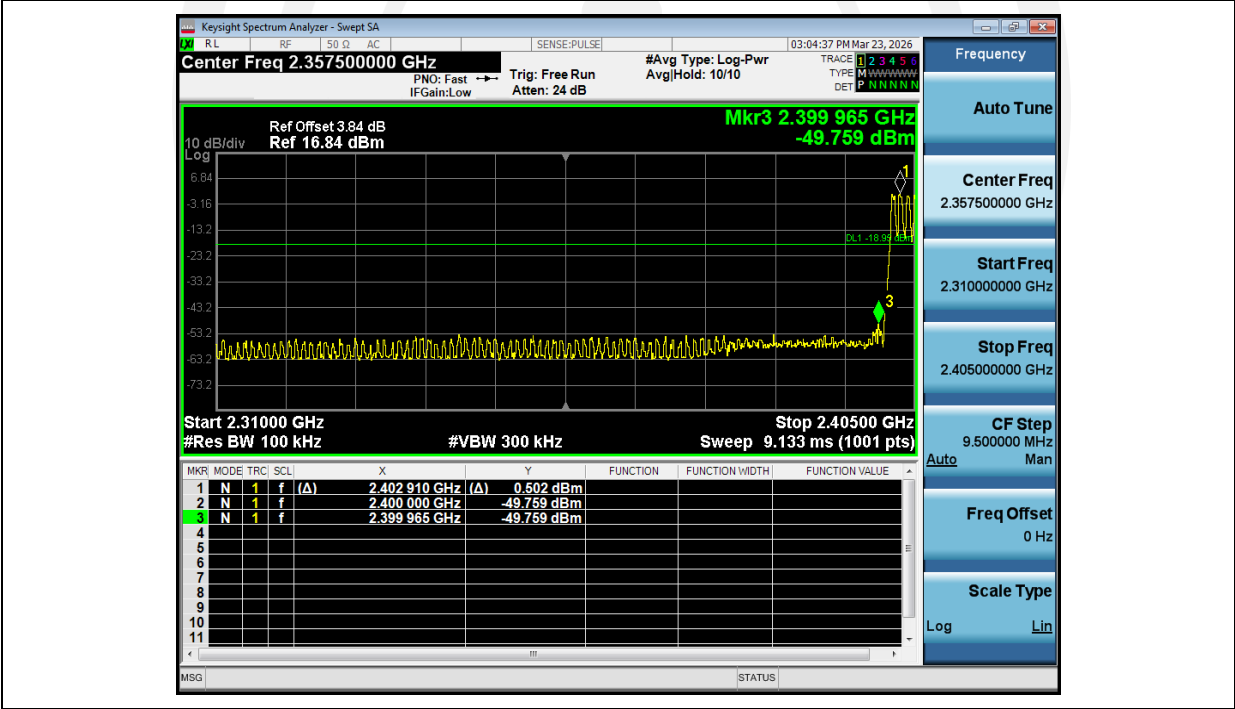
2_Bandedge_NVNT_ANT1_1-DH1_2402_00



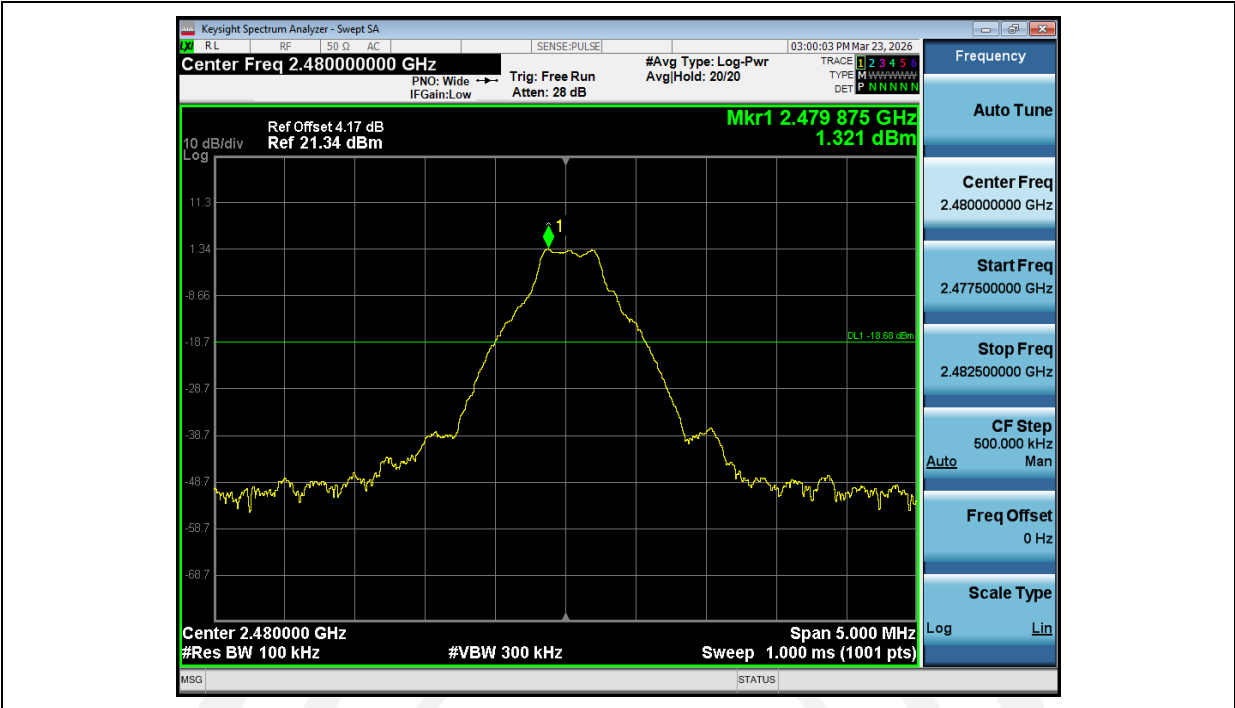
1_Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



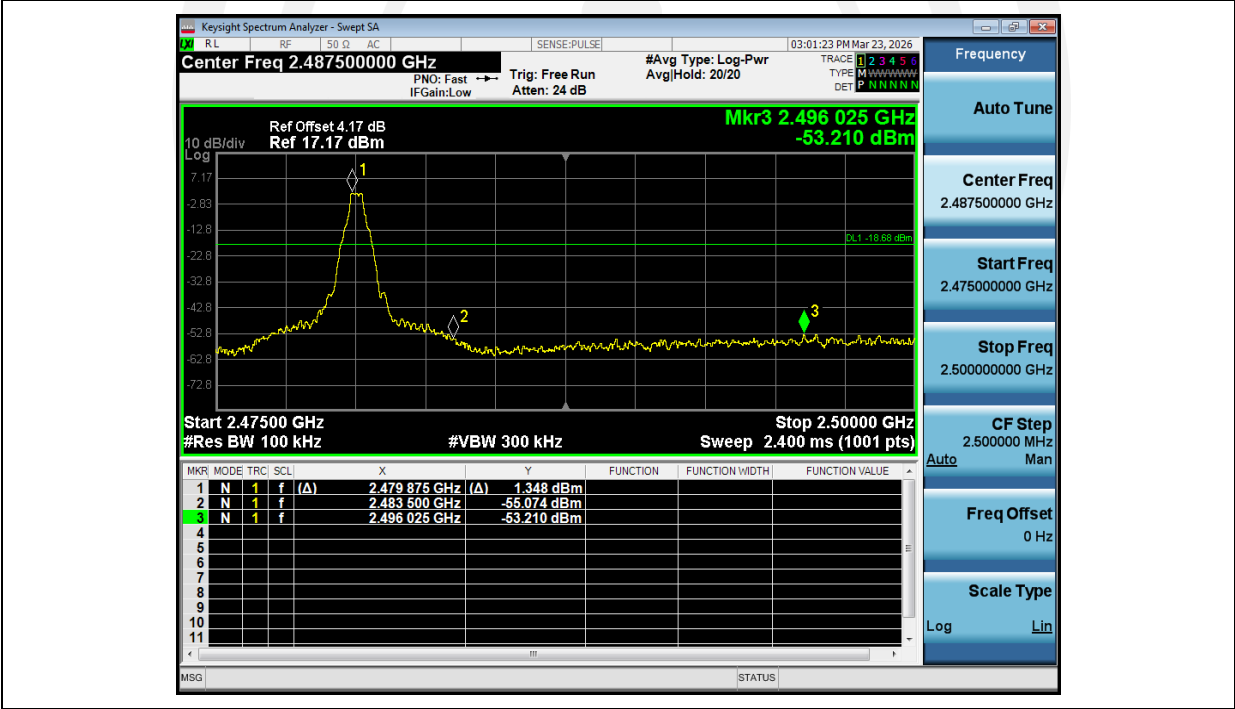
2 Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



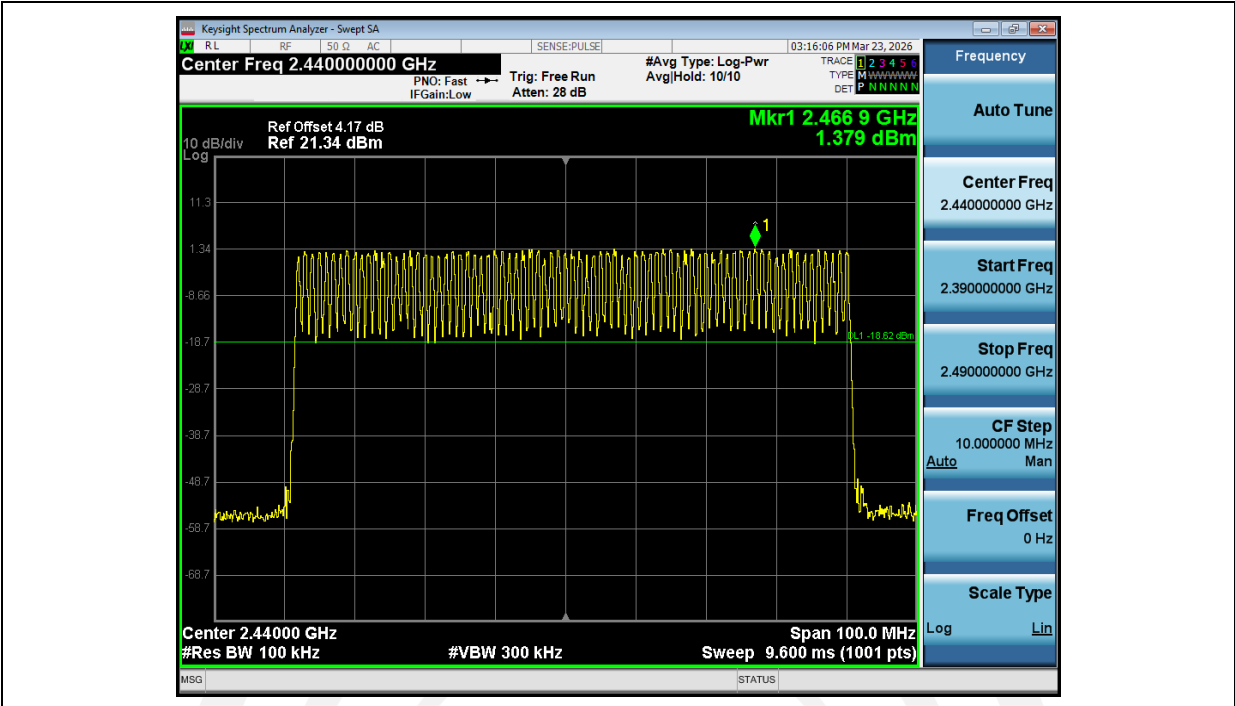
1 Reference_Level_NVNT_ANT1_1-DH1_2480_00



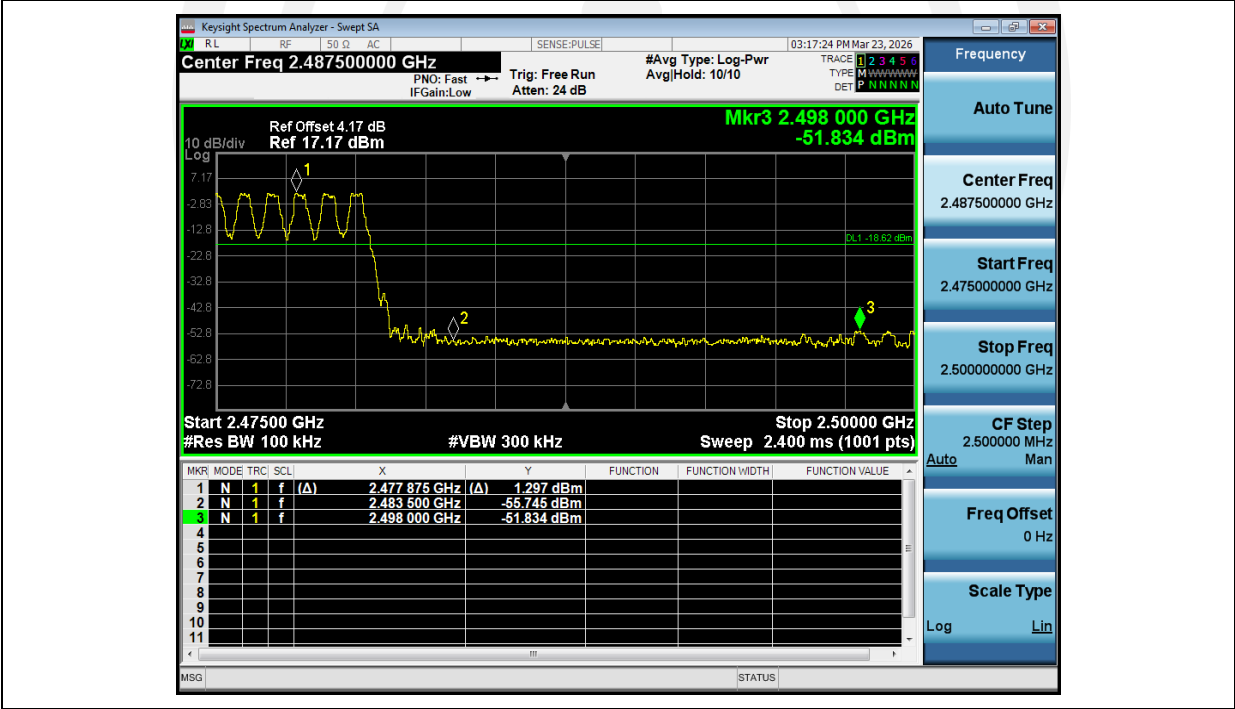
2_Bandedge_NVNT_ANT1_1-DH1_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_1-DH1_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH1_Hopping



1_Reference_Level_NVNT_ANT1_2-DH1_2402_00