

FCC - TEST REPORT

Report Number : **709502405778-00D** Date of Issue: August 30, 2024

Model : Refer to page 4

Product Type : Acoustic Imaging Camera

Applicant : FOTRIC INC.

Address : No. 14, Lane 2500, Xiupu Road, Pudong, 201201 Shanghai,
PEOPLE'S REPUBLIC OF CHINA

Manufacturer : FOTRIC INC.

Address : No. 14, Lane 2500, Xiupu Road, Pudong, 201201 Shanghai,
PEOPLE'S REPUBLIC OF CHINA

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : 72



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1 Table of Contents

1	Table of Contents	2
2	Report Modification Record.....	3
3	Details about the Test Laboratory.....	3
4	Description of the Equipment Under Test.....	4
5	Summary of Test Standards	8
6	Summary of Test Results	9
7	General Remarks	10
8	Test Setups.....	11
9	Systems test configuration	14
10	Technical Requirement	15
10.1	Conducted Emission	15
11	Conducted Peak Output Power.....	20
12	20 dB bandwidth	25
12.1	Carrier Frequency Separation	30
12.2	Number of hopping frequencies.....	33
12.3	Dwell Time.....	35
12.4	Spurious RF conducted emissions.....	40
12.5	Band edge testing.....	47
12.6	Spurious radiated emissions for transmitter and receiver	60
13	Test Equipment List.....	69
14	System Measurement Uncertainty	70
15	Photographs of Test Set-ups.....	71
16	Photographs of EUT	72



2 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
709502405778-00D	First Issue	08/30/2024

3 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
No.16 Lane, 1951 Du Hui Road,
Shanghai 201108,
P.R. China

Telephone: +86 21 6141 0123

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FCC Registration No.: 820234

FCC Designation Number: CN1183

ISED CAB identifier: CN0101

IC Registration No.: 31668

4 Description of the Equipment Under Test

Product: Acoustic Imaging Camera

Model no.:

Fotric AC80	Fotric 450 Pro	Fotric AC60	Fotric H0
Fotric AC81	Fotric 451 Pro	Fotric AC61	Fotric H1
Fotric AC82	Fotric 452 Pro	Fotric AC62	Fotric H2
Fotric AC83	Fotric 453 Pro	Fotric AC63	Fotric H3
Fotric AC84	Fotric 454 Pro	Fotric AC64	Fotric H4
Fotric AC85	Fotric 455 Pro	Fotric AC65	Fotric H5
Fotric AC86	Fotric 456 Pro	Fotric AC66	Fotric H6
Fotric AC87	Fotric 457 Pro	Fotric AC67	Fotric H7
Fotric AC88	Fotric 458 Pro	Fotric AC68	Fotric H8
Fotric AC89	Fotric 459 Pro	Fotric AC69	Fotric H9
Fotric H0pLus	Fotric H0+	Fotric Fac30FH	Fotric TD0
Fotric H1pLus	Fotric H1+	Fotric Fac31FH	Fotric TD1
Fotric H2pLus	Fotric H2+	Fotric Fac32FH	Fotric TD2
Fotric H3pLus	Fotric H3+	Fotric Fac33FH	Fotric TD3
Fotric H4pLus	Fotric H4+	Fotric Fac34FH	Fotric TD4
Fotric H5pLus	Fotric H5+	Fotric Fac35FH	Fotric TD5
Fotric H6pLus	Fotric H6+	Fotric Fac36FH	Fotric TD6
Fotric H7pLus	Fotric H7+	Fotric Fac37FH	Fotric TD7
Fotric H8pLus	Fotric H8+	Fotric Fac38FH	Fotric TD8
Fotric H9pLus	Fotric H9+	Fotric Fac39FH	Fotric TD9
Fotric EE0HE	Fotric EE0DT	Fotric H0Pro	Fotric AC80-Ex
Fotric EE1HE	Fotric EE1DT	Fotric H1Pro	Fotric AC81-Ex
Fotric EE2HE	Fotric EE2DT	Fotric H2Pro	Fotric AC82-Ex
Fotric EE3HE	Fotric EE3DT	Fotric H3Pro	Fotric AC83-Ex
Fotric EE4HE	Fotric EE4DT	Fotric H4Pro	Fotric AC84-Ex
Fotric EE5HE	Fotric EE5DT	Fotric H5Pro	Fotric AC85-Ex
Fotric EE6HE	Fotric EE6DT	Fotric H6Pro	Fotric AC86-Ex
Fotric EE7HE	Fotric EE7DT	Fotric H7Pro	Fotric AC87-Ex
Fotric EE8HE	Fotric EE8DT	Fotric H8Pro	Fotric AC88-Ex
Fotric EE9HE	Fotric EE9DT	Fotric H9Pro	Fotric AC89-Ex
Fotric TD0pro	Fotric TD0plus	Fotric TD0+	
Fotric TD1pro	Fotric TD1plus	Fotric TD1+	
Fotric TD2pro	Fotric TD2plus	Fotric TD2+	
Fotric TD3pro	Fotric TD3plus	Fotric TD3+	
Fotric TD4pro	Fotric TD4plus	Fotric TD4+	
Fotric TD5pro	Fotric TD5plus	Fotric TD5+	
Fotric TD6pro	Fotric TD6plus	Fotric TD6+	
Fotric TD7pro	Fotric TD7plus	Fotric TD7+	
Fotric TD8pro	Fotric TD8plus	Fotric TD8+	
Fotric TD9pro	Fotric TD9plus	Fotric TD9+	

FCC ID: 2AZTCFALCONAC

Options and accessories: NA

Rating: DC 7.4V for Acoustic Imaging Camera
Input: AC 100-240V, 50/60Hz, Output DC 12V for adapter

RF Transmission
Frequency:

For Bluetooth:2402~2480MHz
For 2.4G Wi-Fi:802.11b/g/n-HT20: 2412~2462 MHz
802.11n-HT40: 2422~2452 MHz
For 5G Wi-Fi:5180~5240 MHz (U-NII-1)
5260~5320 MHz (U-NII-2A)
5500~5720 MHz (U-NII-2C)
5745~5825 MHz (U-NII-3)

No. of Operated Channel:

79 channels for Bluetooth EDR

Ch	Fre (MH)	Ch	Fre (MH)	Ch	Fre (MH)	Ch	Fre (MH)	Ch	Fre (MHz)
1	2402	17	2418	33	2434	49	2450	65	2466
2	2403	18	2419	34	2435	50	2451	66	2467
3	2404	19	2420	35	2436	51	2452	67	2468
4	2405	20	2421	36	2437	52	2453	68	2469
5	2406	21	2422	37	2438	53	2454	69	2470
6	2407	22	2423	38	2439	54	2455	70	2471
7	2408	23	2424	39	2440	55	2456	71	2472
8	2409	24	2425	40	2441	56	2457	72	2473
9	2410	25	2426	41	2442	57	2458	73	2474
10	2411	26	2427	42	2443	58	2459	74	2475
11	2412	27	2428	43	2444	59	2460	75	2476
12	2413	28	2429	44	2445	60	2461	76	2477
13	2414	29	2430	45	2446	61	2462	77	2478
14	2415	30	2431	46	2447	62	2463	78	2479
15	2416	31	2432	47	2448	63	2464	79	2480
16	2417	32	2433	48	2449	64	2465		

40 channels for Bluetooth 4.2 BLE

Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

2.4GHz WIFI: 11 for 802.11b/802.11g/802.11(H20);
7 for 802.11n(HT40)

802.11b/g/n(HT20)					802.11n(HT40)		
Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)
1	2412	7	2442	3	2422	8	2447MHz
2	2417	8	2447	4	2427	9	2452MHz
3	2422	9	2452	5	2432		
4	2427	10	2457	6	2437		
5	2432	11	2462	7	2442		
6	2437						

5180~5240 MHz (U-NII-1):

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
42	5210

5260~5320 MHz (U-NII-2A)

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
58	5290		

5500~5720 MHz (U-NII-2C)

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency(MHz)
100	5500	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600	144	5720

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency(MHz)
102	5510	126	5630
110	5550	134	5670
118	5590	142	5710

3 channels are provided for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency(MHz)
106	5530	138	5690
122	5610		

5745~5825 MHz (U-NII-3): Channel 149 – 165

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785		

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
155	5755

Modulation:Bluetooth EDR FHSS: GFSK, $\pi/4$ DQPSK, 8DPSK

Bluetooth 4.2+BLE DHSS: GFSK

For Wi-Fi: Direct Sequence Spread Spectrum (DSSS) for 802.11b
 Orthogonal Frequency Division Multiplexing (OFDM) for
 802.11a/b/g/n/ac

Hardware Version:

V01

Software Version:

V6.2.0

Data speed:

1. Bluetooth EDR FHSS: 1Mbps, 2Mbps, 3Mbps
2. Bluetooth 4.2+BLE DHSS: 1Mbps
3. Wi-Fi: 11b 1 ~ 11Mbps,
 11g/a 6 ~ 54Mbps, 11n HT20 6.5 ~ 72.2Mbps,
 11n HT 40 13.5 ~ 150Mbps,
 11ac VHT40 13.5 ~ 200Mbps,
 11ac VHT80 29.3 ~ 433.3Mbps

Antenna Type:

PIFA Antenna

Antenna Gain:

1.76dBi for 2.4GHz; 5.96dBi for 5GHz

Description of the EUT:

The Equipment Under Test (EUT) is an Acoustic Imaging Camera with Bluetooth and Wi-Fi Module. The EUT support Bluetooth EDR, BLE function, Wi-Fi 2.4GHz and Wi-Fi 5GHz.

According to the client's declaration, all the models share the same schematic, hardware circuit, PCB layout, including RF parameters, except for the number of enabled microphone modules. We chose model Fotric H6 to perform all the tests and listed the worst data in this report. Only 2.4GHz Bluetooth EDR RF testing results were included in this report.

Test sample no.:

SHA-831405-2 (RF Conducted); SHA-831405-3 (RF Radiated)



The sample's mentioned in this report is/are submitted/ supplied/ manufactured by client. The laboratory therefore assumes no responsibility for accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.

5 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2023 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

All the test methods were according to KDB 558074 D01 15.247 Meas Guidance v05r02 Measurement Guidance and ANSI C63.10-2020.

6 Summary of Test Results

Technical Requirements						
FCC Part 15 Subpart C						
Test Condition		Pages	Test Site	Test Result		
				Pass	Fail	N/A
§15.207	Conducted emission AC power port	15-19	Site 1	☒	☐	☐
§15.247 (b) (1)	Conducted peak output power	20-24	Site 1	☒	☐	☐
§15.247(a)(1)	20dB bandwidth	25-29	Site 1	☒	☐	☐
§15.247(a)(1)	Carrier frequency separation	30-32	Site 1	☒	☐	☐
§15.247(a)(1)(iii)	Number of hopping frequencies	33-34	Site 1	☒	☐	☐
§15.247(a)(1)(iii)	Dwell Time - Average Time of Occupancy	35-39	Site 1	☒	☐	☐
§15.247(a)(2)	6dB bandwidth	---	---	☐	☐	☒
§15.247(e)	Power spectral density	---	---	☐	☐	☒
§15.247(e)	Spurious RF conducted emissions	40-46	Site 1	☒	☐	☐
§15.247(d)	Band edge	47-59	Site 1	☒	☐	☐
§15.247(d) & §15.209 & §15.205	Spurious radiated emissions for transmitter	60-68	Site 1	☒	☐	☐
§15.203	Antenna requirement	See note 1		☒	☐	☐

Remark 1: N/A – Not Applicable.

Note 1: The EUT uses a PIFA antenna, which gain is 1.76dBi for 2.4GHz and 5.96dBi for 5GHz.

In accordance to §15.203, It is considered sufficiently to comply with the provisions of this section.

7 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AZTCFALCONAC complies with Section 15.205,15.207, 15.209, 15.247 of the FCC Part 15, Subpart C rules.

This report is only for 2.4GHz Bluetooth+EDR.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: July 12, 2024

Testing Start Date: July 12, 2024

Testing End Date: August 16, 2024

-TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Reviewed by:



Hui TONG
Review Engineer

Prepared by:



Jiaxi XU
Project Engineer

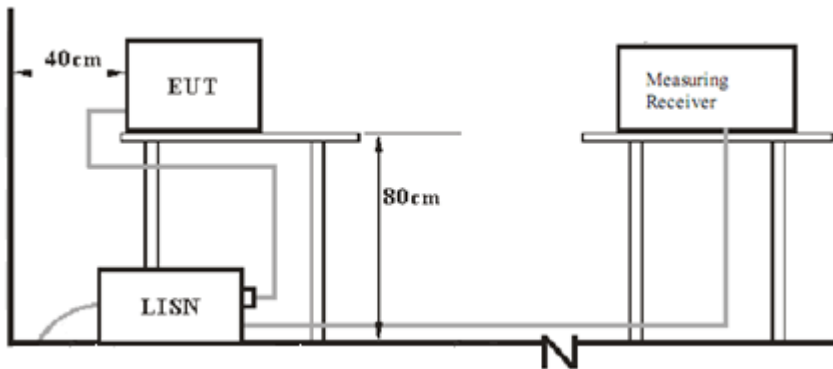
Tested by:



Cheng Huali
Test Engineer

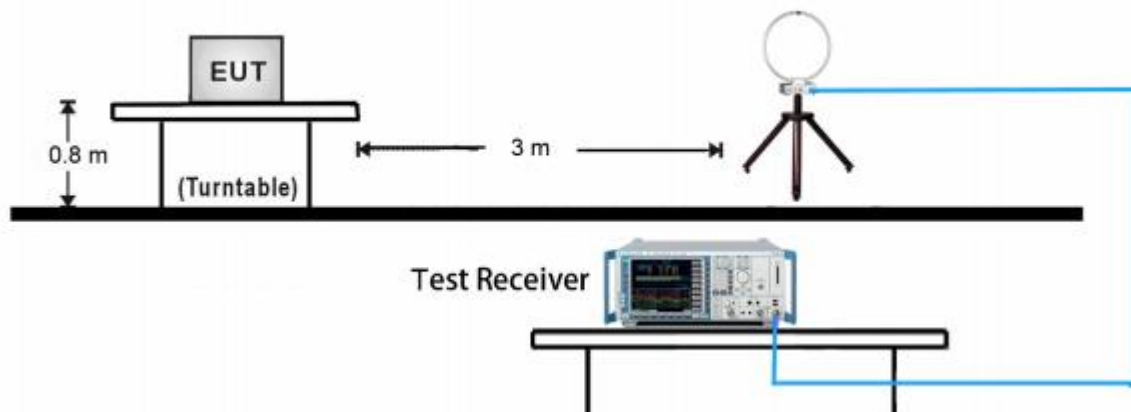
8 Test Setups

7.1 AC Power Line Conducted Emission test setups

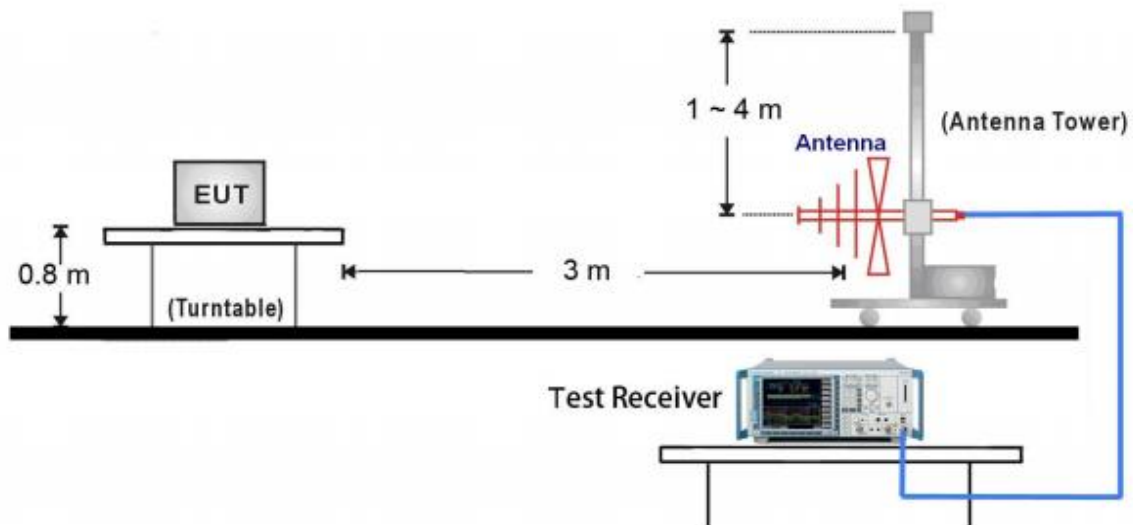


7.2 Radiated test setups

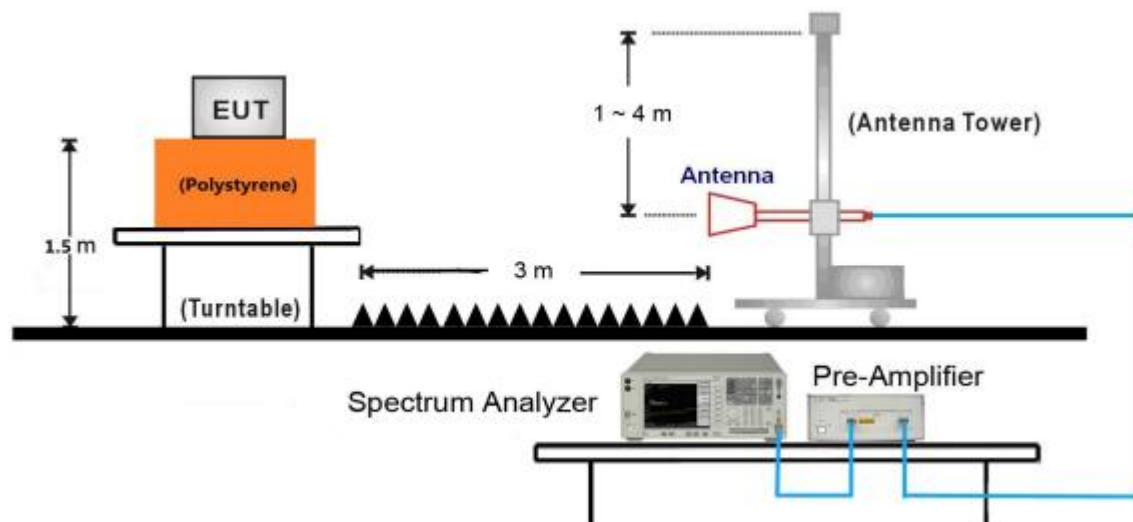
9kHz ~ 30MHz Test Setup:



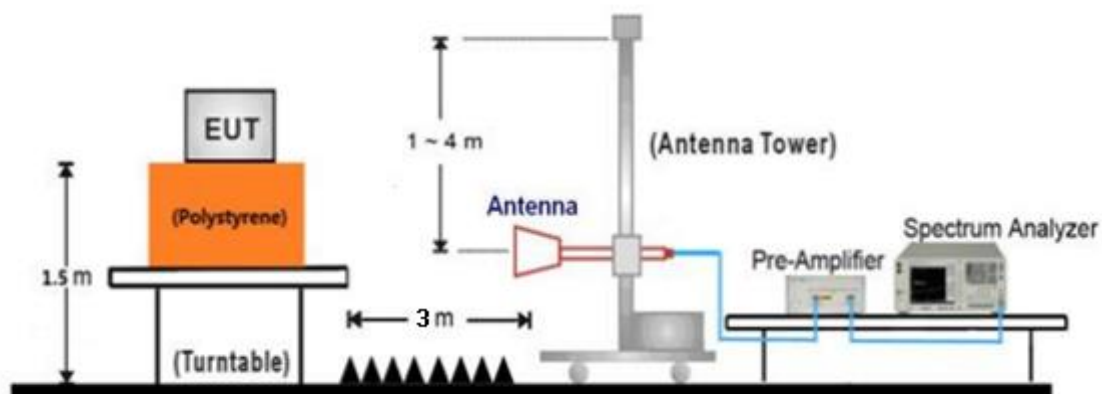
30MHz ~ 1GHz Test Setup:



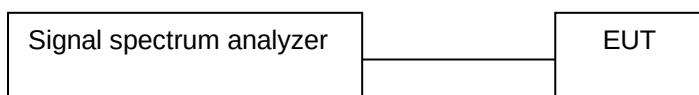
1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.3 Conducted RF test setups



9 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Notebook	Lenovo	E470	PF-OU5TS7 17/09

Test software: QRCT.exe, which used to control the EUT in continues transmitting mode

The system was configured to hopping mode and non-hopping mode.

Hopping mode: typical working mode (normal hopping status)

Mode	Tested Channel	Modulation	Index Value (Power level setting)
DH5	0	GFSK	9
	40	GFSK	9
	78	GFSK	9
2DH5	0	$\pi/4$ -DQPSK	9
	40	$\pi/4$ -DQPSK	9
	78	$\pi/4$ -DQPSK	9
3DH5	0	8DPSK	9
	40	8DPSK	9
	78	8DPSK	9

The system was configured to hopping mode and non-hopping mode.

Hopping mode: typical working mode (normal hopping status)

Non-hopping mode: The system was configured to operate at a signal channel transmitting. The test software allows the configuration and operation at the worst-case duty and the highest transmit power

10 Technical Requirement

10.1 Conducted Emission

Test Method

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. Both sides of AC line were checked for maximum conducted interference.
6. The frequency range from 150 kHz to 30 MHz was searched.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Conducted Emission

150k-30MHz Conducted Emission Test

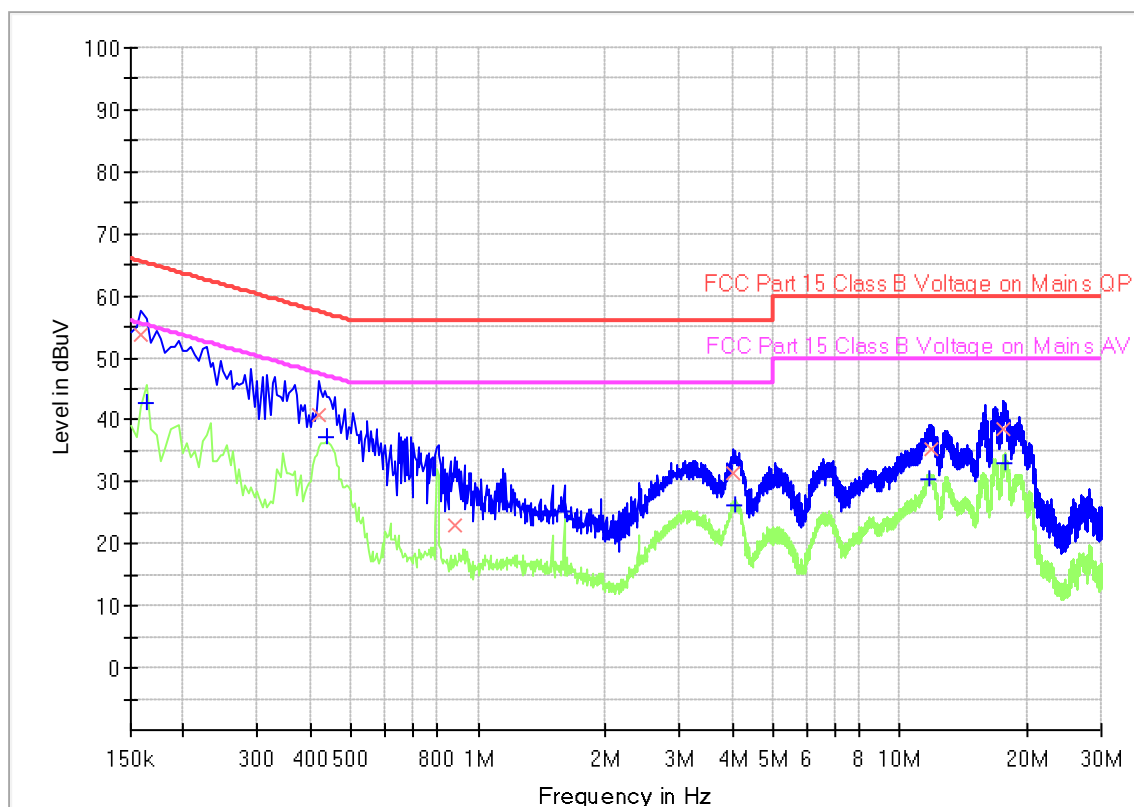
EUT Information

EUT Name: Acoustic Thermal Imager
 Model: Fotric 860MiX
 Client: FOTRIC INC
 Op Cond: Power on, TX_2441 at 3DH5 mode, AC120V/60Hz
 Operator: Huali CHENG
 Standard: FCC Part 15.207(a)
 Comment: Phase L
 Sample No.: SHA-801877-2

Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN
 Receiver: [ESR 3]
 Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB





Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	53.74	---	65.52	11.78	1000.0	9.000	L1	19.4
0.163500	---	42.82	55.28	12.46	1000.0	9.000	L1	19.4
0.420000	40.65	---	57.45	16.80	1000.0	9.000	L1	19.5
0.438000	---	37.20	47.10	9.90	1000.0	9.000	L1	19.5
0.879000	22.96	---	56.00	33.04	1000.0	9.000	L1	19.5
1.599000	---	25.22	46.00	20.78	1000.0	9.000	L1	19.5
4.038000	31.36	---	56.00	24.64	1000.0	9.000	L1	19.6
4.083000	---	26.39	46.00	19.61	1000.0	9.000	L1	19.6
11.764500	---	30.36	50.00	19.64	1000.0	9.000	L1	19.9
11.814000	35.31	---	60.00	24.69	1000.0	9.000	L1	19.9
17.628000	38.48	---	60.00	21.52	1000.0	9.000	L1	20.2
17.736000	---	33.05	50.00	16.95	1000.0	9.000	L1	20.2

Remark:

*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)



150k-30MHz Conducted Emission Test

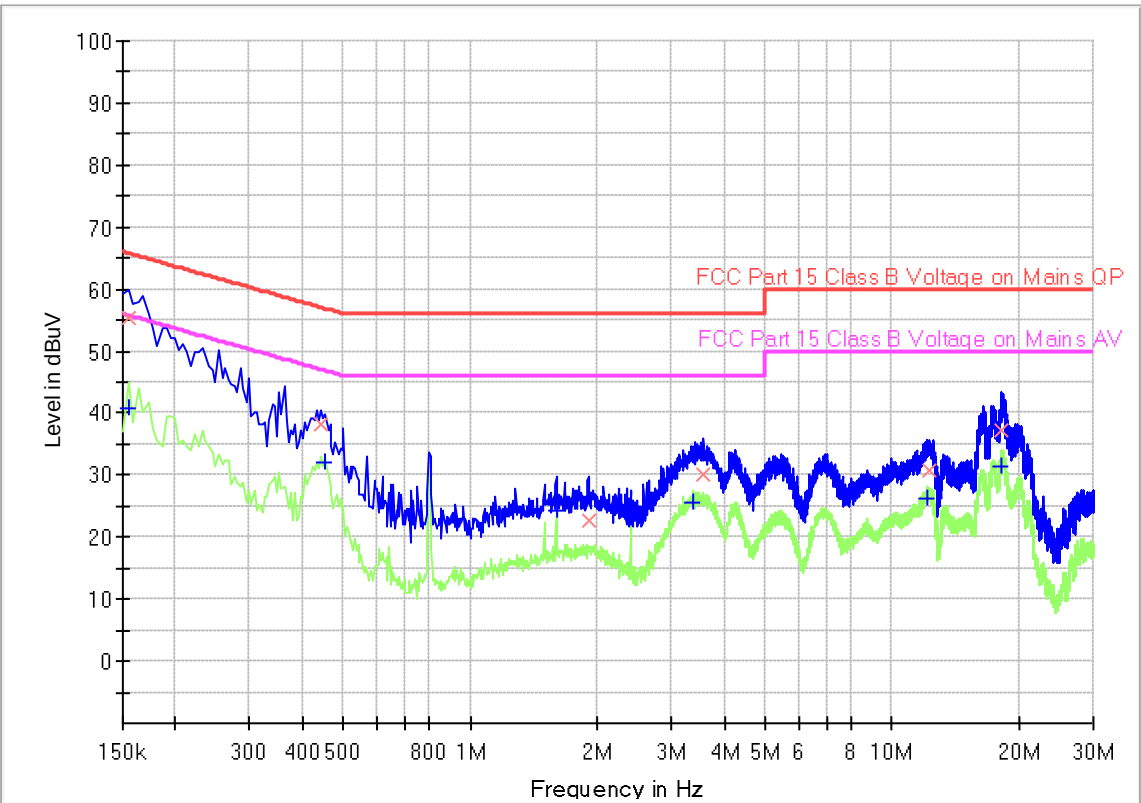
EUT Information

EUT Name: Acoustic Thermal Imager
Model: Fotric 860MiX
Client: FOTRIC INC
Op Cond: Power on, TX_2441 at 3DH5 mode, AC120V/60Hz
Operator: Huali CHENG
Standard: FCC Part 15.207(a)
Comment: Phase N
Sample No.: SHA-801877-2

Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN
Receiver: [ESR 3]
Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB





Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154500	---	40.64	55.75	15.11	1000.0	9.000	N	19.4
0.154500	55.28	---	65.75	10.47	1000.0	9.000	N	19.4
0.442500	38.16	---	57.01	18.85	1000.0	9.000	N	19.5
0.451500	---	32.09	46.85	14.76	1000.0	9.000	N	19.5
1.599000	---	24.39	46.00	21.61	1000.0	9.000	N	19.5
1.905000	22.60	---	56.00	33.40	1000.0	9.000	N	19.5
3.358500	---	25.59	46.00	20.41	1000.0	9.000	N	19.5
3.583500	30.06	---	56.00	25.94	1000.0	9.000	N	19.5
12.160500	---	26.18	50.00	23.82	1000.0	9.000	N	19.8
12.264000	30.85	---	60.00	29.15	1000.0	9.000	N	19.8
18.163500	---	31.56	50.00	18.44	1000.0	9.000	N	20.1
18.240000	37.22	---	60.00	22.78	1000.0	9.000	N	20.1

Remark:

*Level=Reading Level + Correction Factor

**Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

11 Conducted Peak Output Power

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following test receiver settings:
Span = approximately 5 times the 20dB bandwidth, centered on a hopping channel
RBW > the 20dB bandwidth of the emission being measured, VBW ≥ RBW,
Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power and record the results in the test report.
5. Repeat above procedures until all frequencies measured were complete.

Limits

According to §15.247 (b) (1), conducted peak output power limit as below:

Frequency Range MHz	Limit W	Limit dBm
2400-2483.5	≤1	≤30

Conducted Peak Output Power

Bluetooth Mode GFSK modulation Test Result

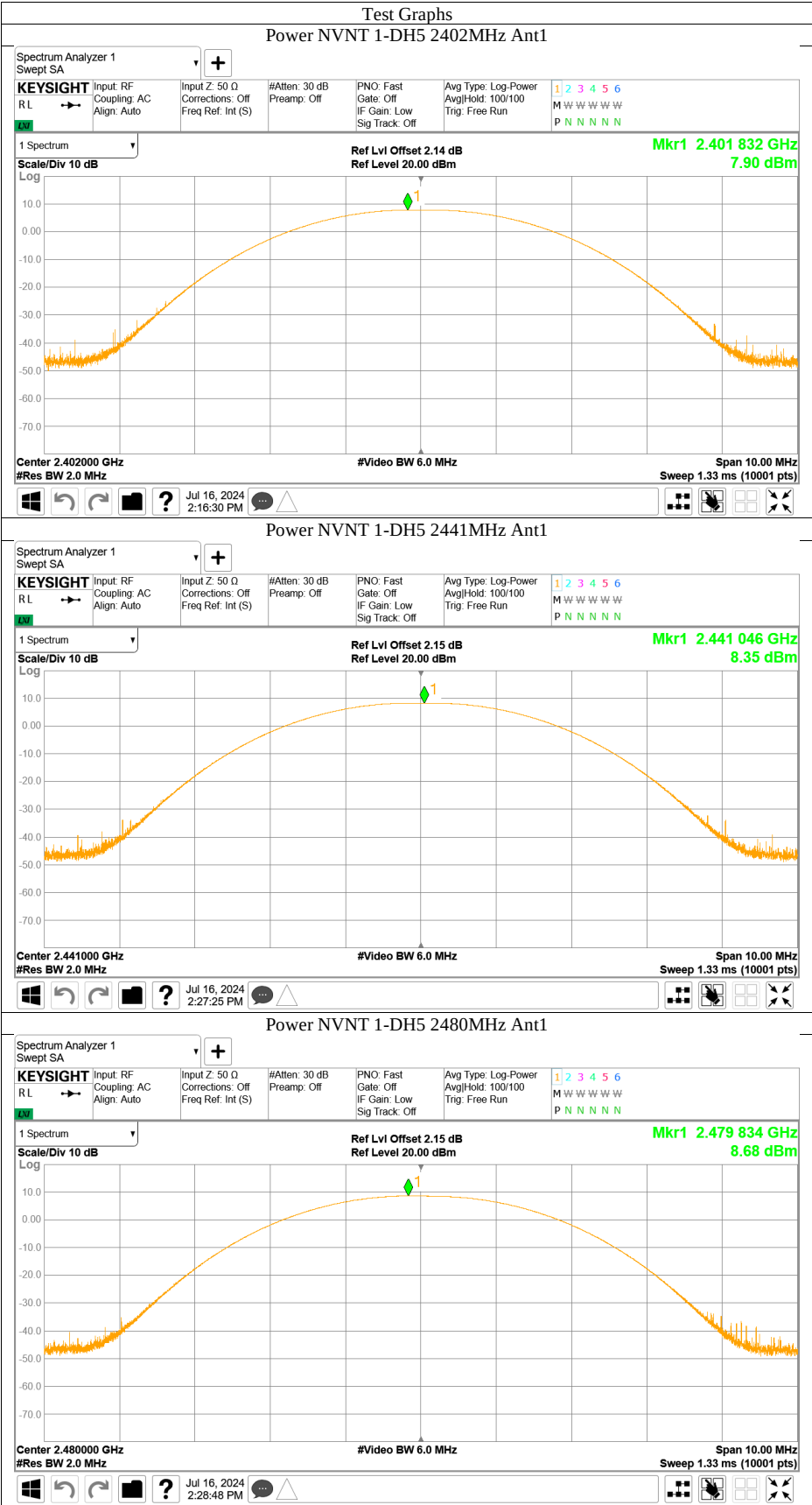
Frequency MHz	Conducted Peak Output Power dBm	Limit dBm	Result
Low channel 2402MHz	7.9	30	Pass
Middle channel 2441MHz	8.35	30	Pass
High channel 2480MHz	8.68	30	Pass

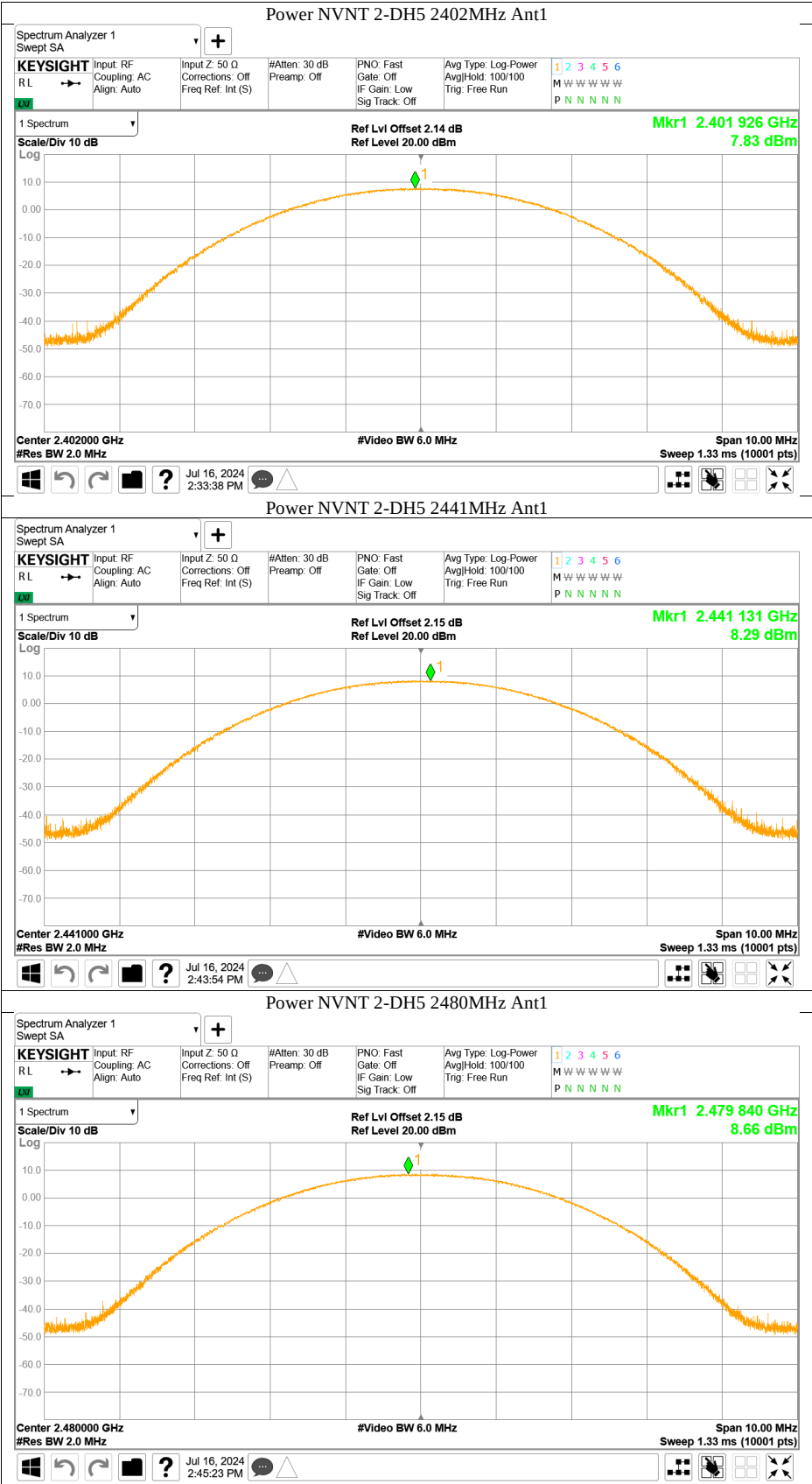
Bluetooth Mode $\pi/4$ -DQPSK modulation Test Result

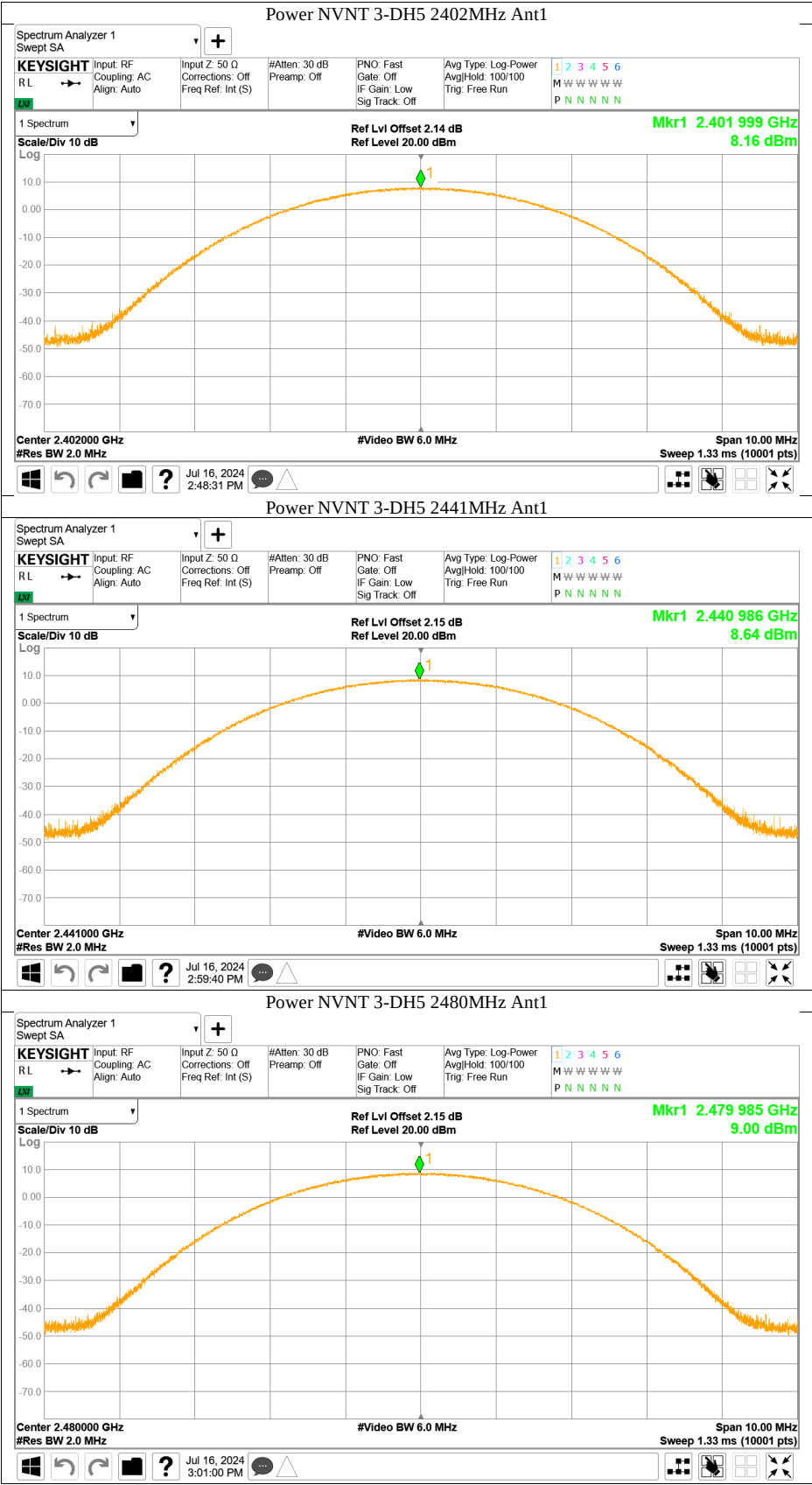
Frequency MHz	Conducted Peak Output Power dBm	Limit dBm	Result
Low channel 2402MHz	7.83	30	Pass
Middle channel 2441MHz	8.29	30	Pass
High channel 2480MHz	8.66	30	Pass

Bluetooth Mode 8DPSK modulation Test Result

Frequency MHz	Conducted Peak Output Power dBm	Limit dBm	Result
Low channel 2402MHz	8.16	30	Pass
Middle channel 2441MHz	8.64	30	Pass
High channel 2480MHz	9	30	Pass









12 20 dB bandwidth

Test Method

- 1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously.
- 3. Use the following test receiver settings:
Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel
RBW ≥ 1% to 5% of the 20 dB bandwidth/99% OBW, VBW≥3RBW,
Sweep = auto, Detector function = peak, Trace = max hold
- 4. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Measure the frequency difference of two frequencies that were attenuated 20 dB/99% OBW from the reference level. Record the frequency difference as the emission bandwidth. Record the results.
- 5. Repeat above procedures until all frequencies measured were complete.

Limit

Limit [MHz]
N/A

20 dB bandwidth

Bluetooth Mode GFSK Modulation test result

Frequency MHz	20 dB Bandwidth MHz	Result
2402	0.957	Pass
2441	0.964	Pass
2480	0.946	Pass

20 dB bandwidthBluetooth Mode $\pi/4$ -DQPSK Modulation test result

Frequency MHz	20 dB Bandwidth MHz	Result
2402	1.271	Pass
2441	1.278	Pass
2480	1.309	Pass

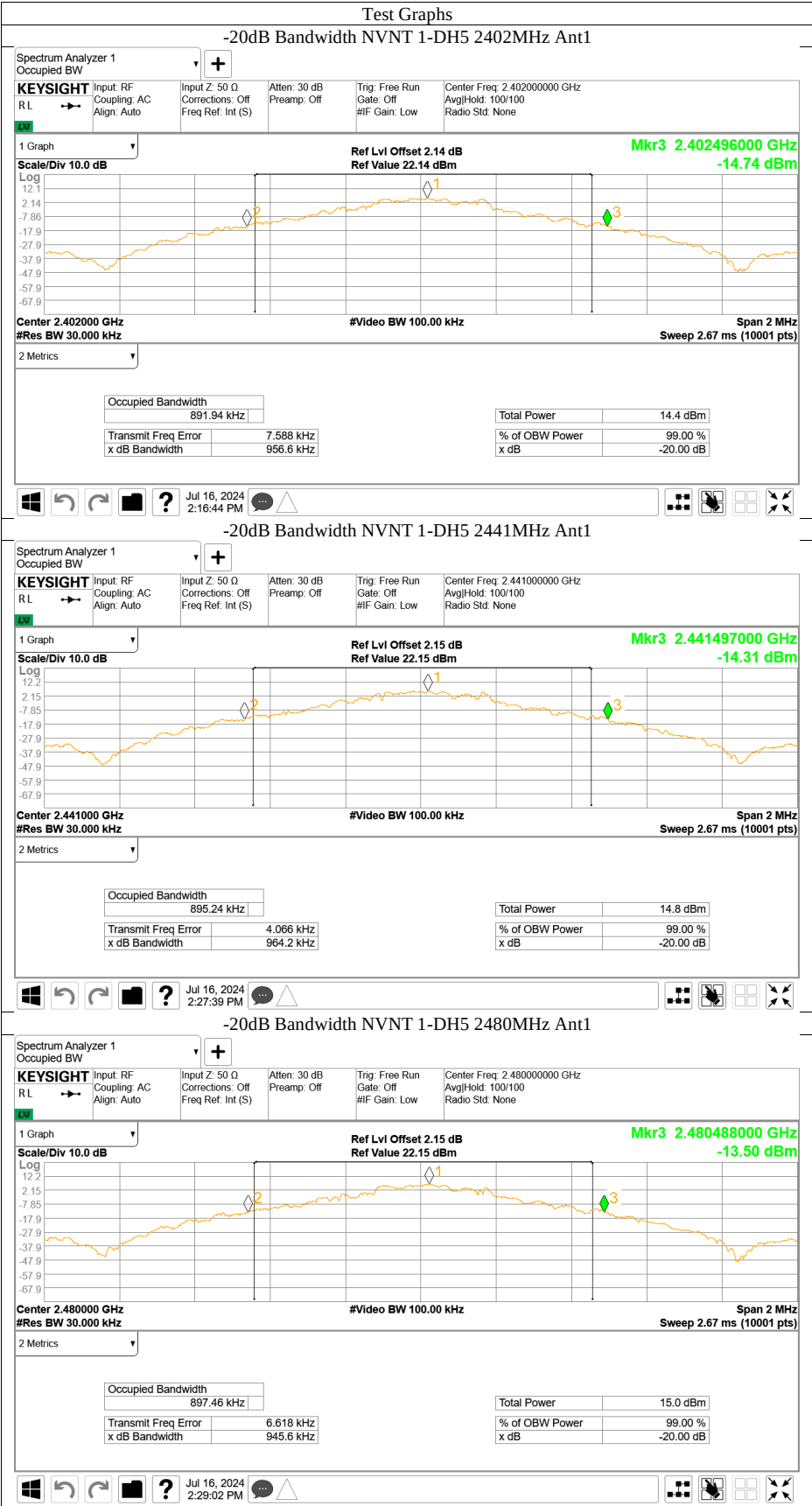
20 dB bandwidth

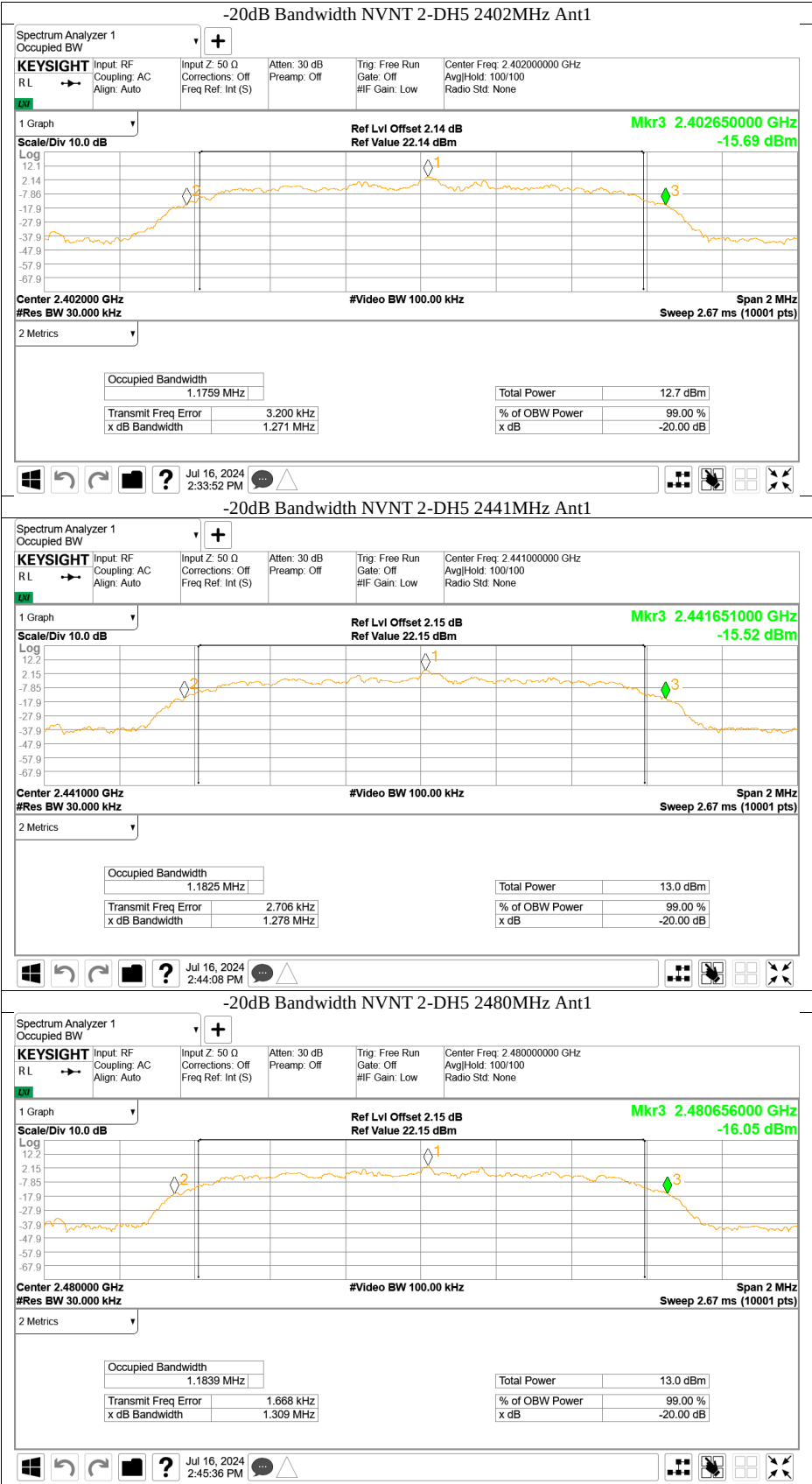
Bluetooth Mode 8DPSK Modulation test result

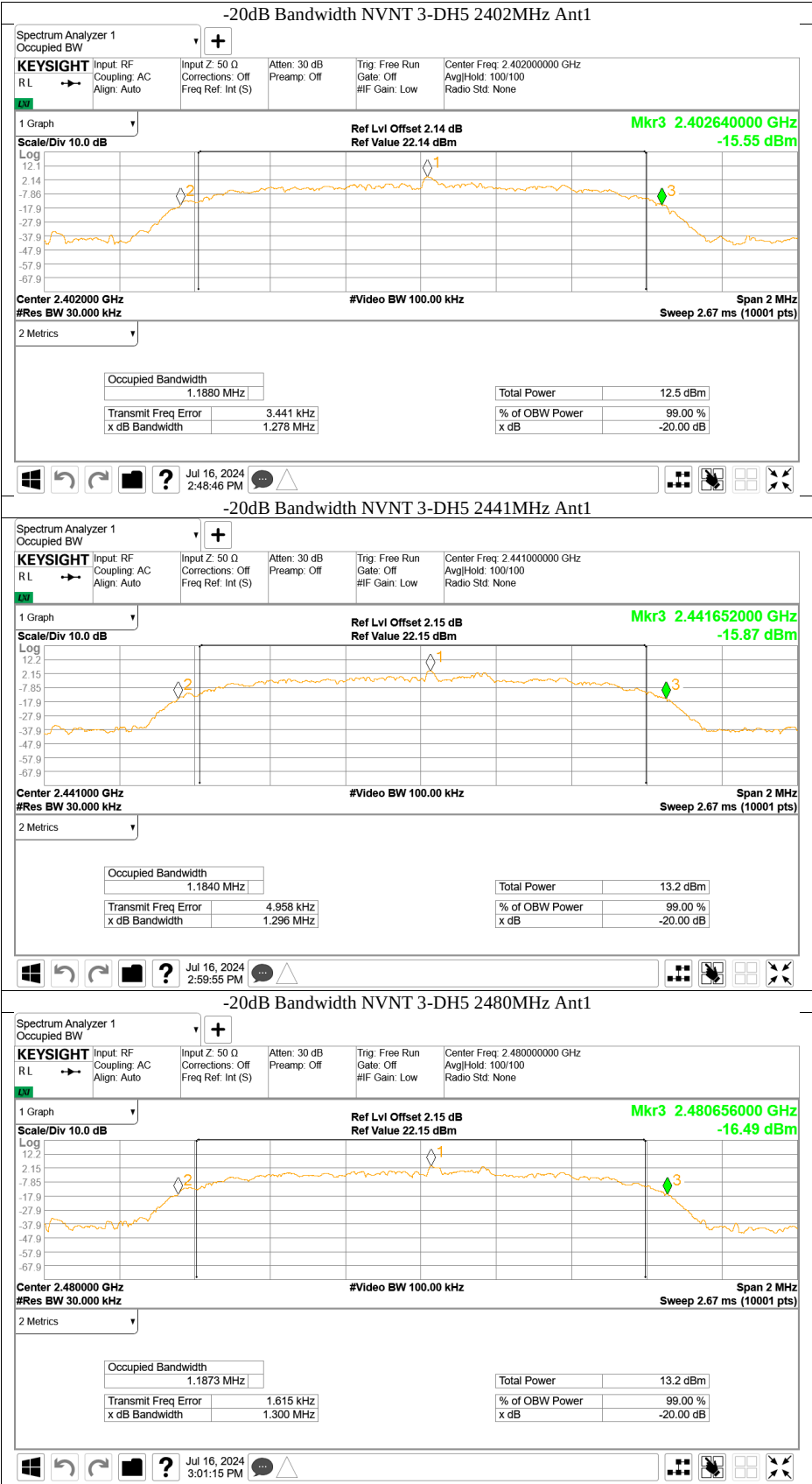
Frequency MHz	20 dB Bandwidth MHz	Result
2402	1.278	Pass
2441	1.296	Pass
2480	1.3	Pass



-20dB Bandwidth







12.1 Carrier Frequency Separation

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit to hopping mode.
3. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels, RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. VBW $\geq$ RBW, Sweep = auto, Detector function = peak.
4. By using the Max-Hold function record the separation of two adjacent channels.
5. Measure the frequency difference of these two adjacent channels by spectrum analyzer marker function. Record the results.
6. Repeat above procedures until all frequencies measured were complete.

Limit

Limit
kHz

$\geq 25\text{kHz}$ or 2/3 of the 20 dB bandwidth which is greater

Limit

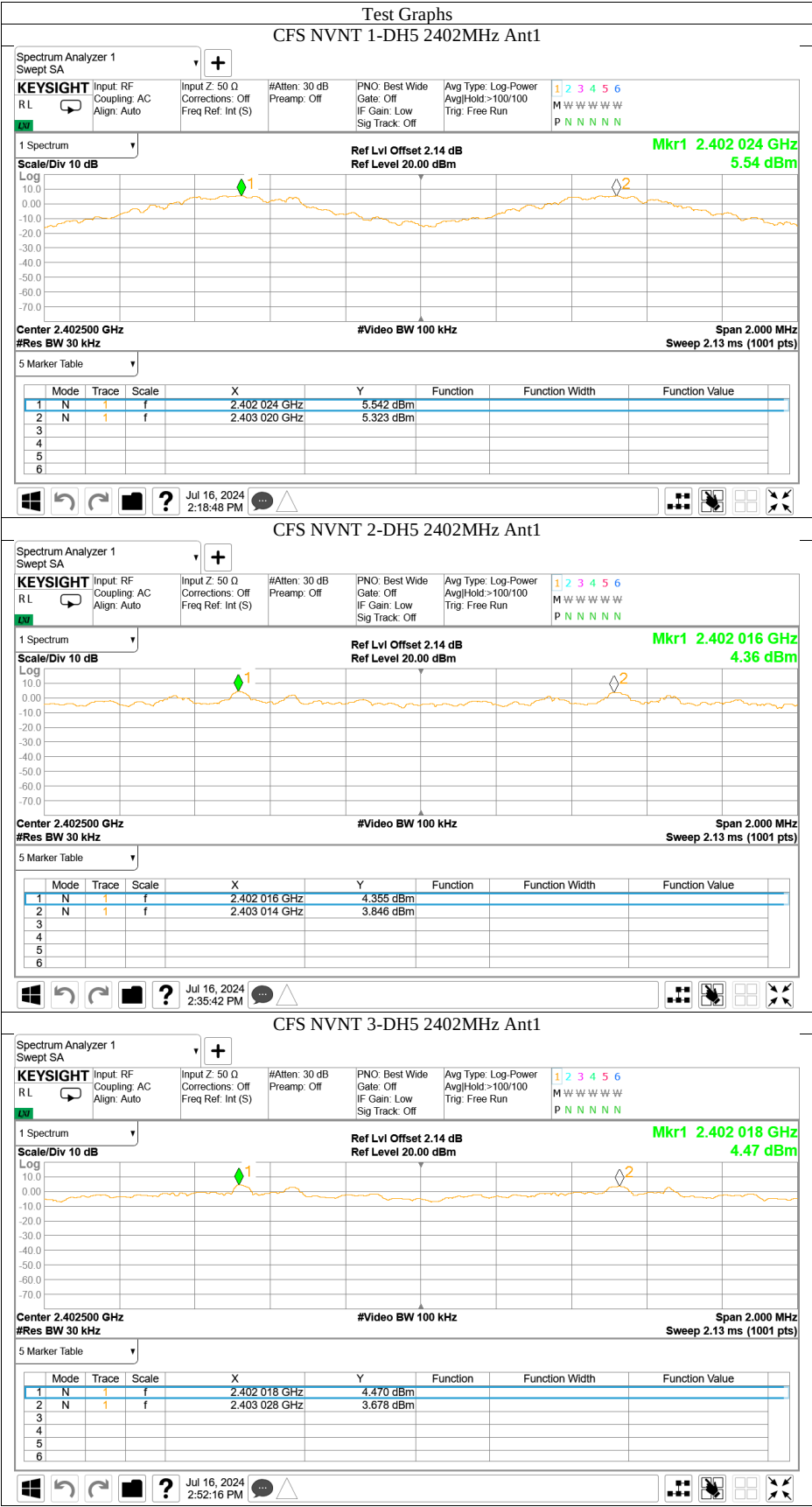
Modulation	2/3 of 20 dB Bandwidth kHz
GFSK	642.67
$\pi/4$ -DQPSK	872.67
8DPSK	866.67

Carrier Frequency Separation

Test result: The measurement was performed with the typical configuration (normal hopping status), here GFSK, $\pi/4$ -DQPSK and 8DPSK modulation mode (low channel) was used to show compliance.

GFSK Modulation test result

Modulation	Frequency MHz	Carrier Frequency Separation kHz	Result
GFSK	2402	996	Pass
$\pi/4$ -DQPSK	2402	998	Pass
8DPSK	2402	1010	Pass



12.2 Number of hopping frequencies

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit to hopping mode.
3. Use the following spectrum analyzer settings:
Span = the frequency band of operation, RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller, VBW $\geq$ RBW, Sweep = auto, Detector function = peak, Trace=Max hold.
4. Allow the trace to stabilize. It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

Limit

Limit
number

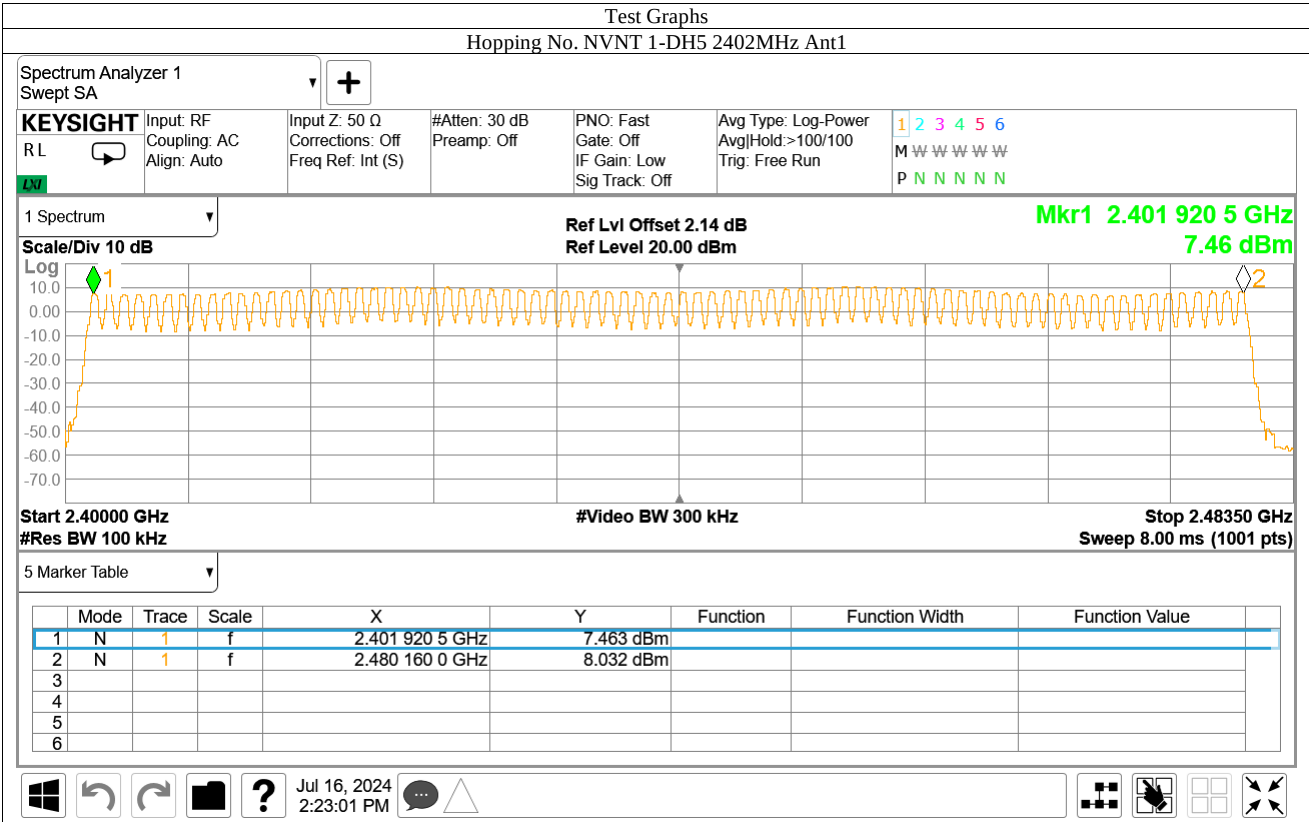
≥ 15



Number of hopping frequencies

Test result: The measurement was performed with the typical configuration (normal hopping status), and the total hopping channels is constant for the all modulation mode according with the Bluetooth Core Specification. Here GFSK modulation mode was used to show compliance.

Number of hopping frequencies	Result
79	Pass



12.3 Dwell Time

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit to hopping mode.
3. Span: Zero span, centered on a hopping channel.
4. RBW shall be $\leq$ channel spacing and where possible RBW should be set $\gg 1 / T$, where T is the expected dwell time per channel.
5. Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
6. Detector function: Peak.
7. Trace: Max hold. Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.

Limit

The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Dwell Time

Dwell time

The maximum dwell time shall be 0,4 s.

According to the Bluetooth Core Specification, the worse result (DH5 mode) was reported to show compliance.

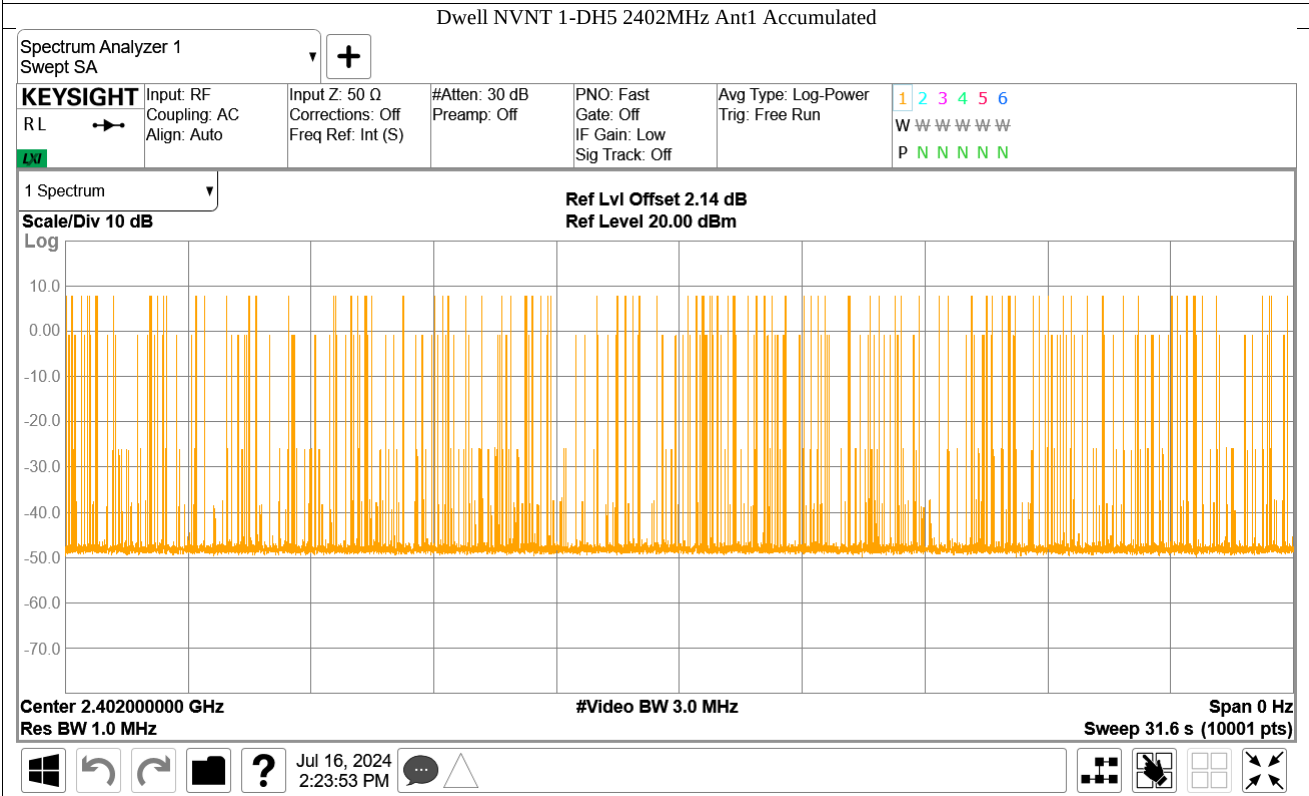
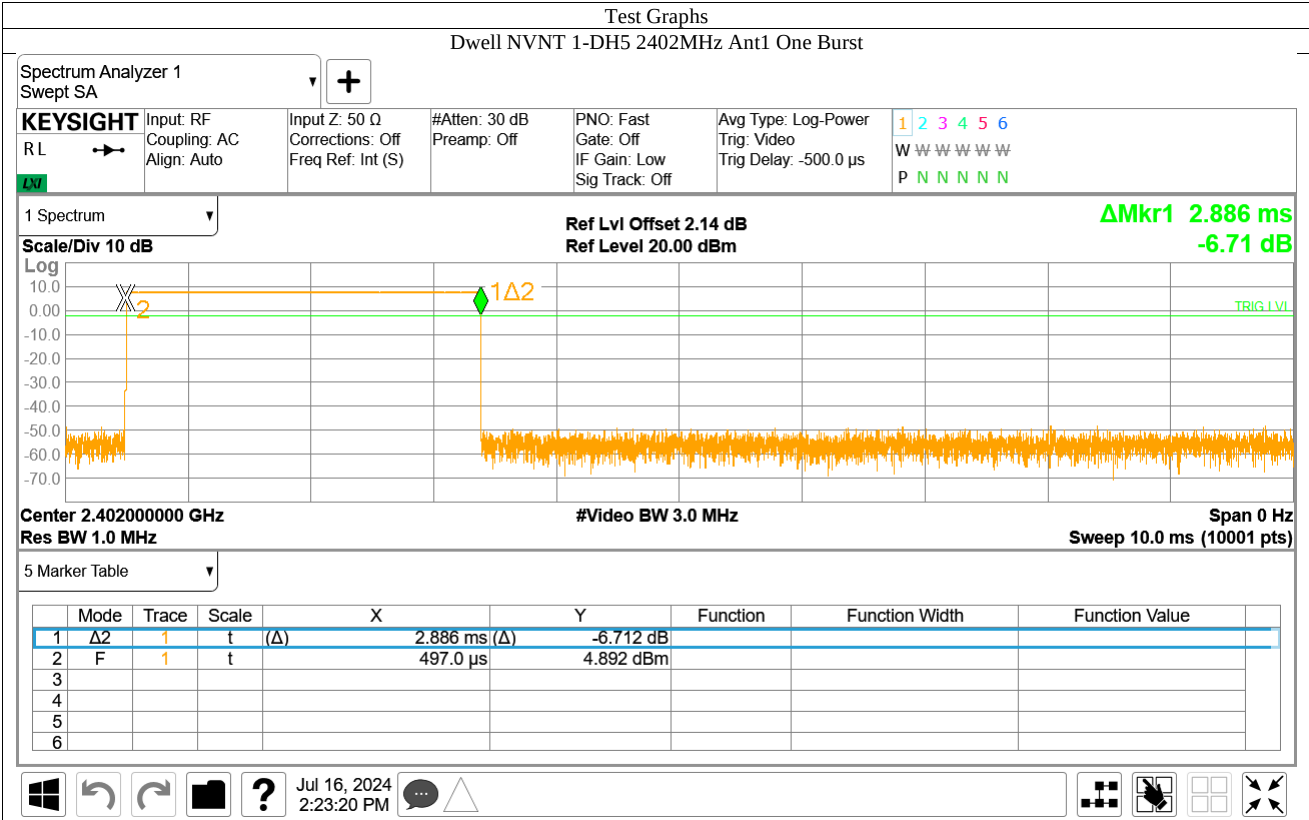
The Dwell Time = Burst Width * Total Hops. The detailed calculations are showed as follows:

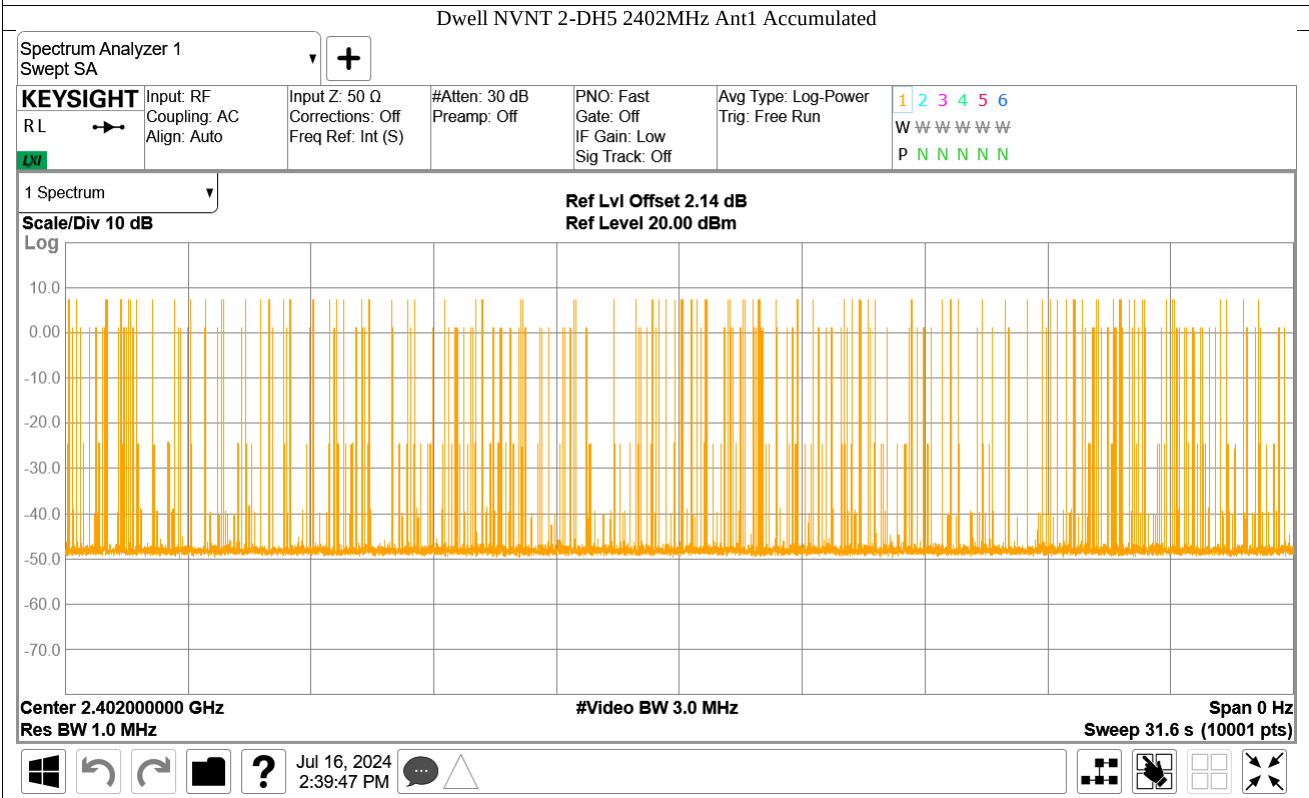
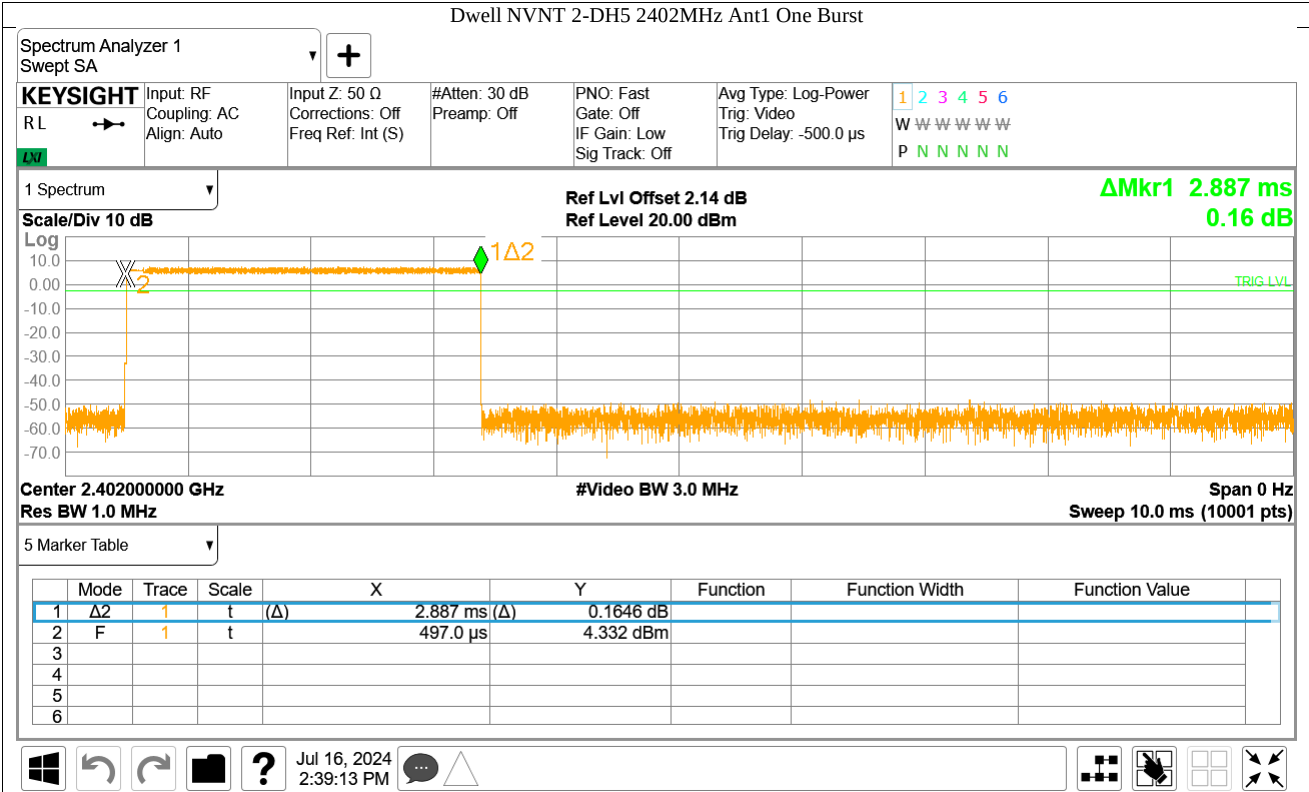
The duration for dwell time calculation: 0.4 [s] * hopping number = 0.4 [s] * 79 [ch] = 31.6 [s*ch];

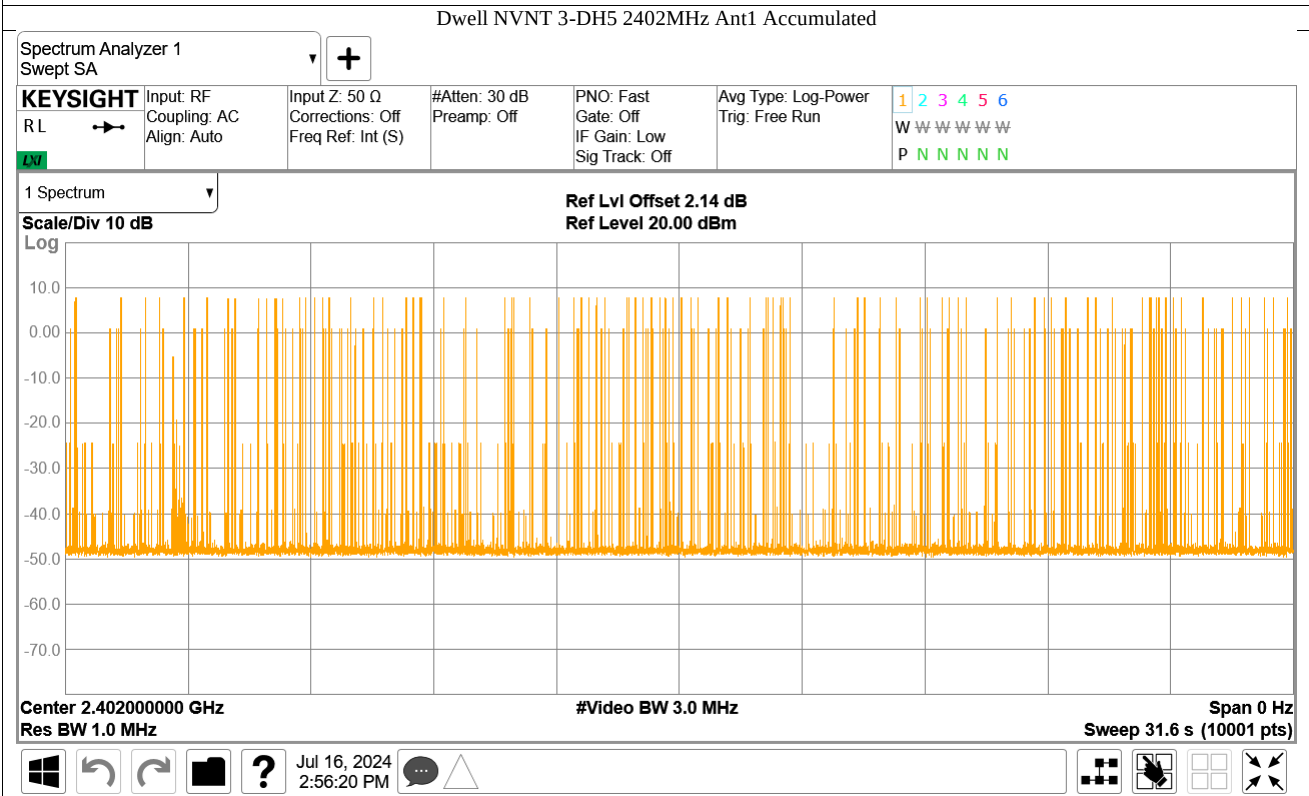
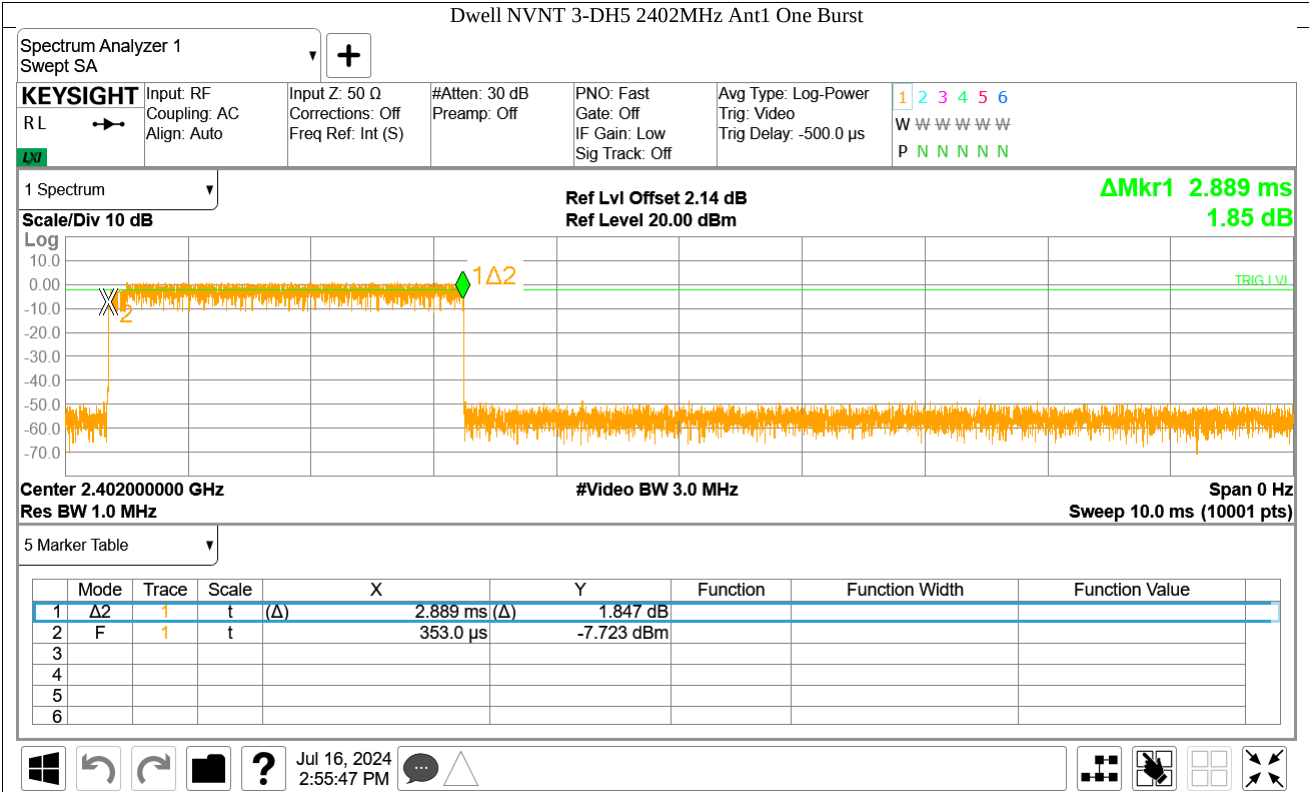
The burst width, which is directly measured, refers to the duration on one channel hop.

Test Result

Modulation	Mode	Reading (ms)	Total Hops	Test Result (ms)	Limit (ms)	Result
GFSK	DH5	2.886	103	297.258	< 400	Pass
$\pi/4$ -DQPSK	2DH5	2.887	95	274.265	< 400	Pass
8-DPSK	3DH5	2.889	100	288.9	< 400	Pass







12.4 Spurious RF conducted emissions

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector, Sweep = auto, Span = wide enough to capture the peak level of the in-band emission and all spurious emissions, Trace = max hold. Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this Section.
4. Measure and record the results in the test report.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency

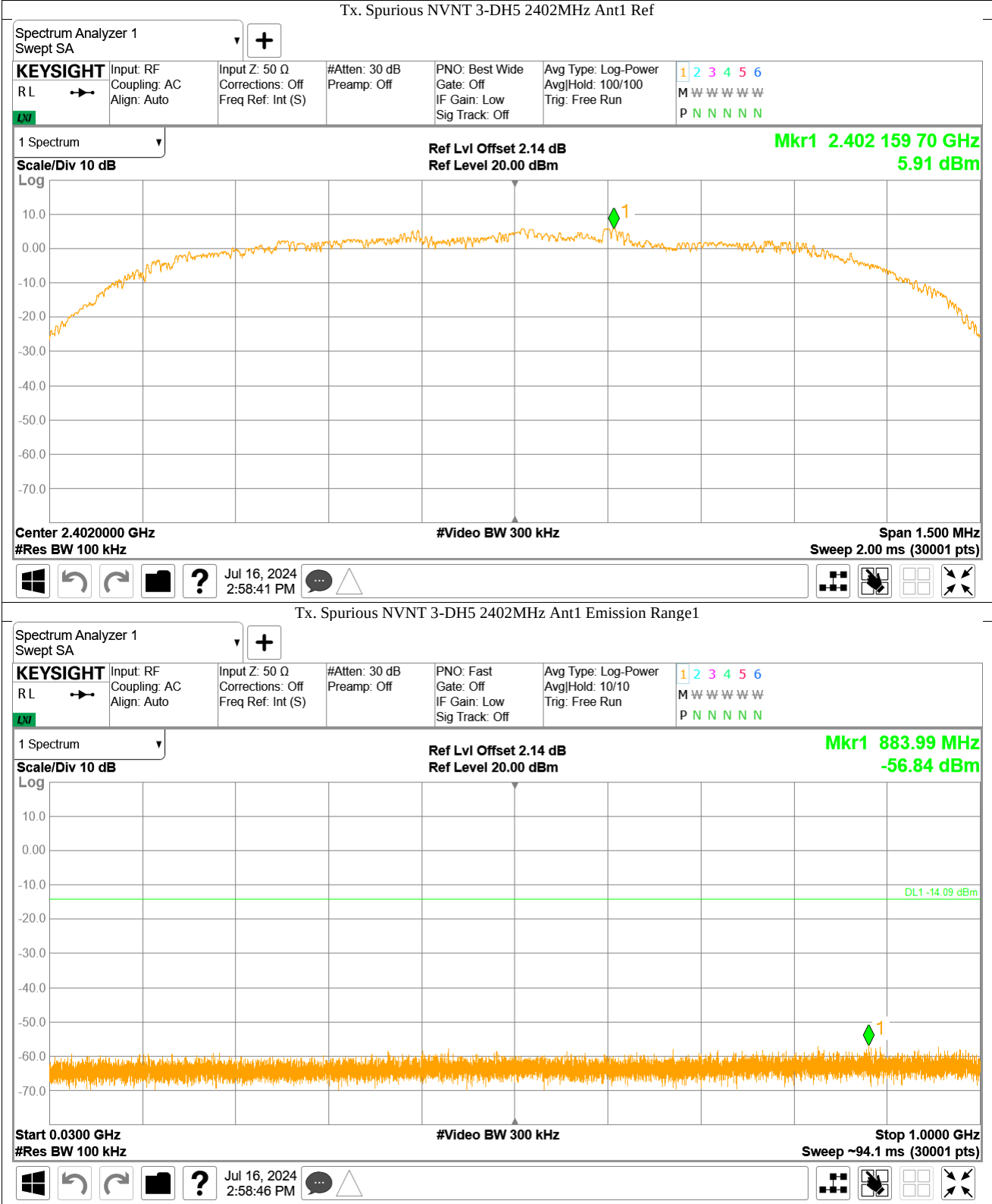
Limit

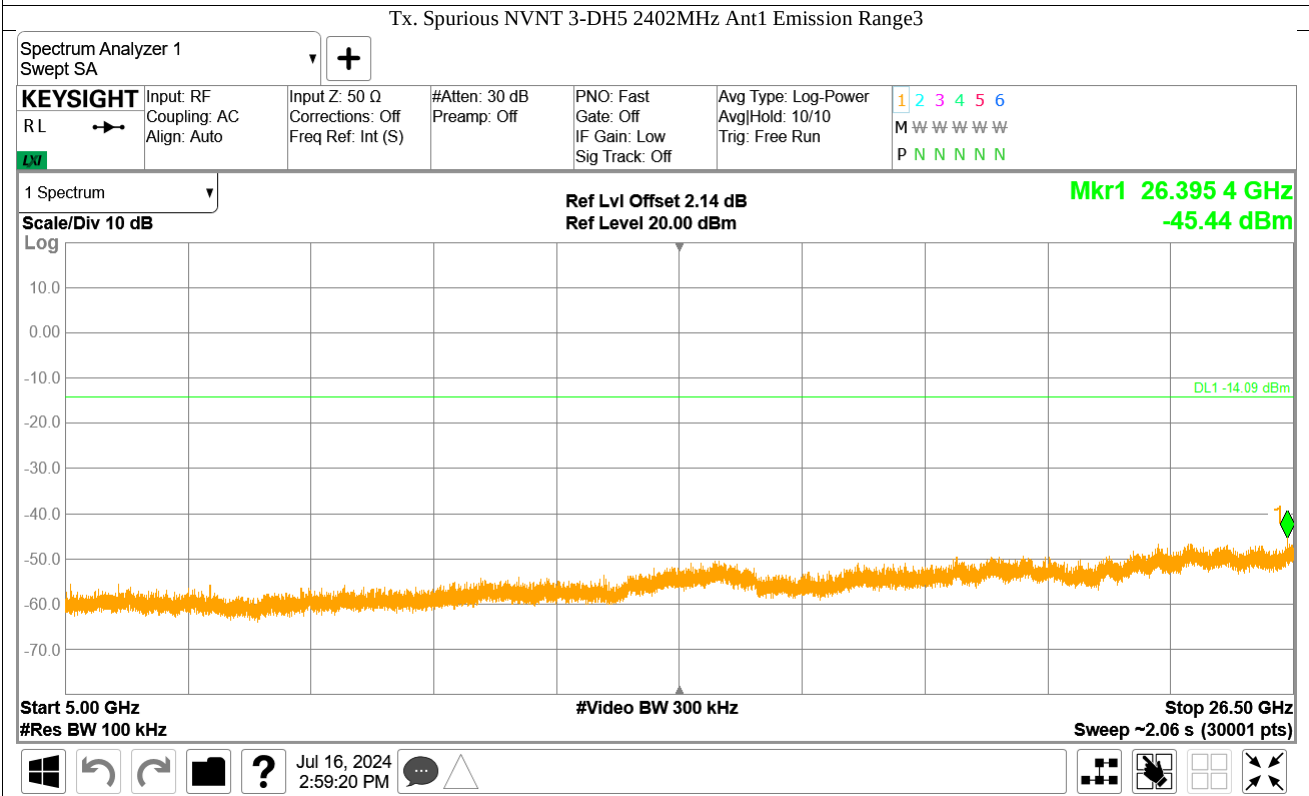
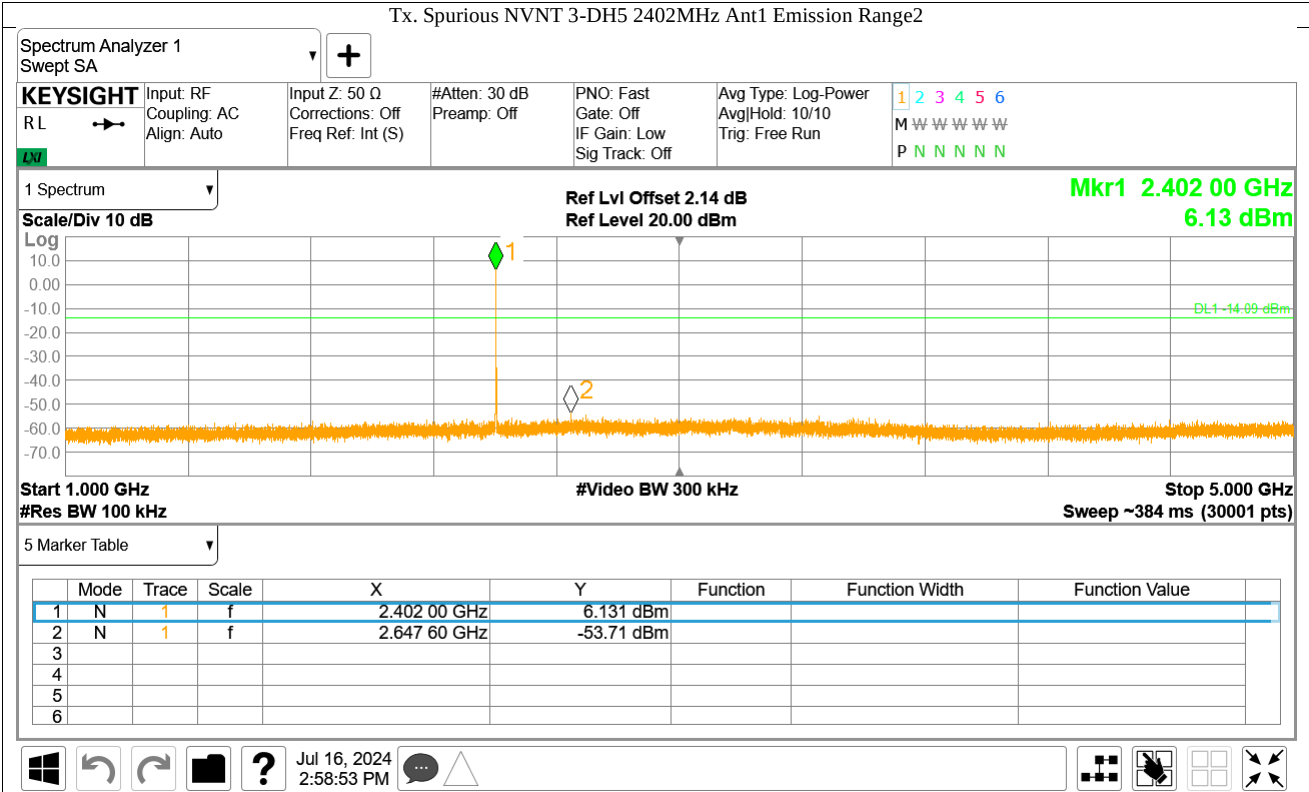
Frequency Range	Limit (dBc)
MHz	
30-25000	-20

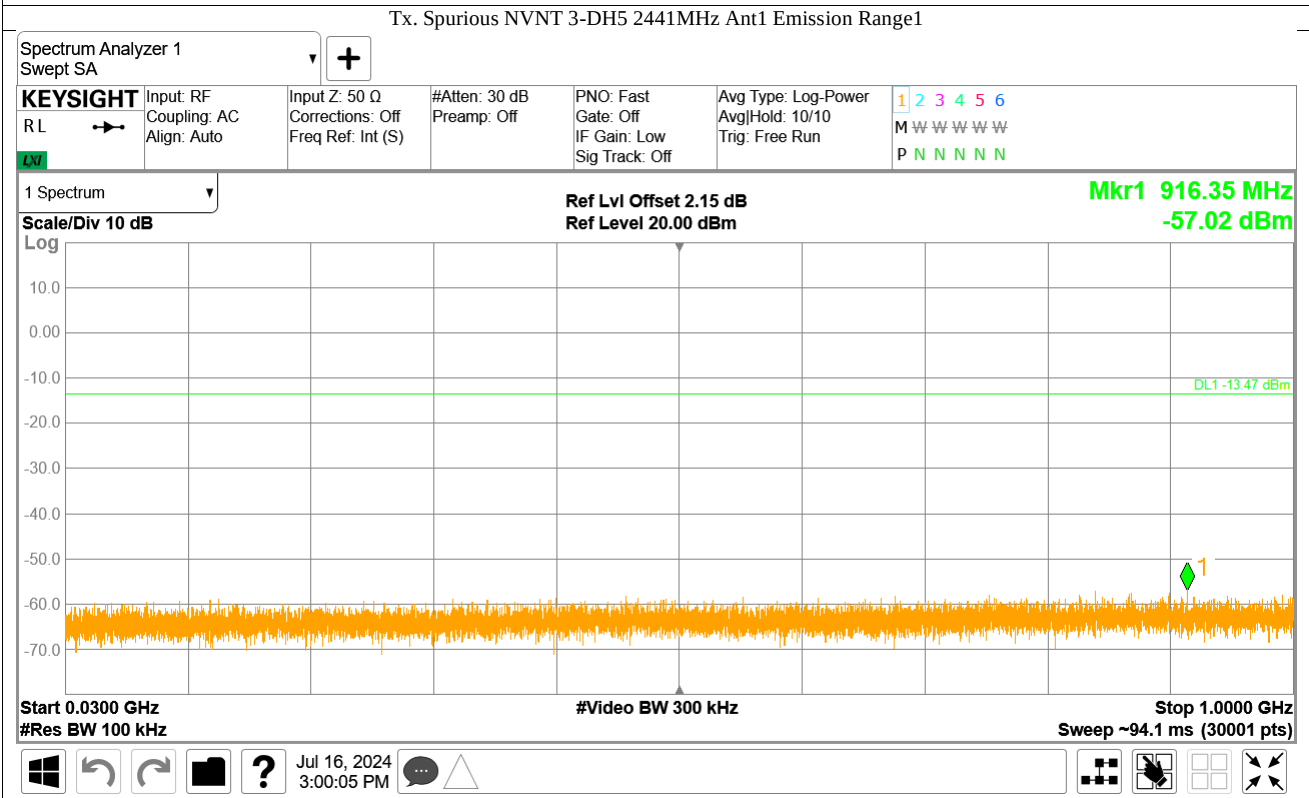
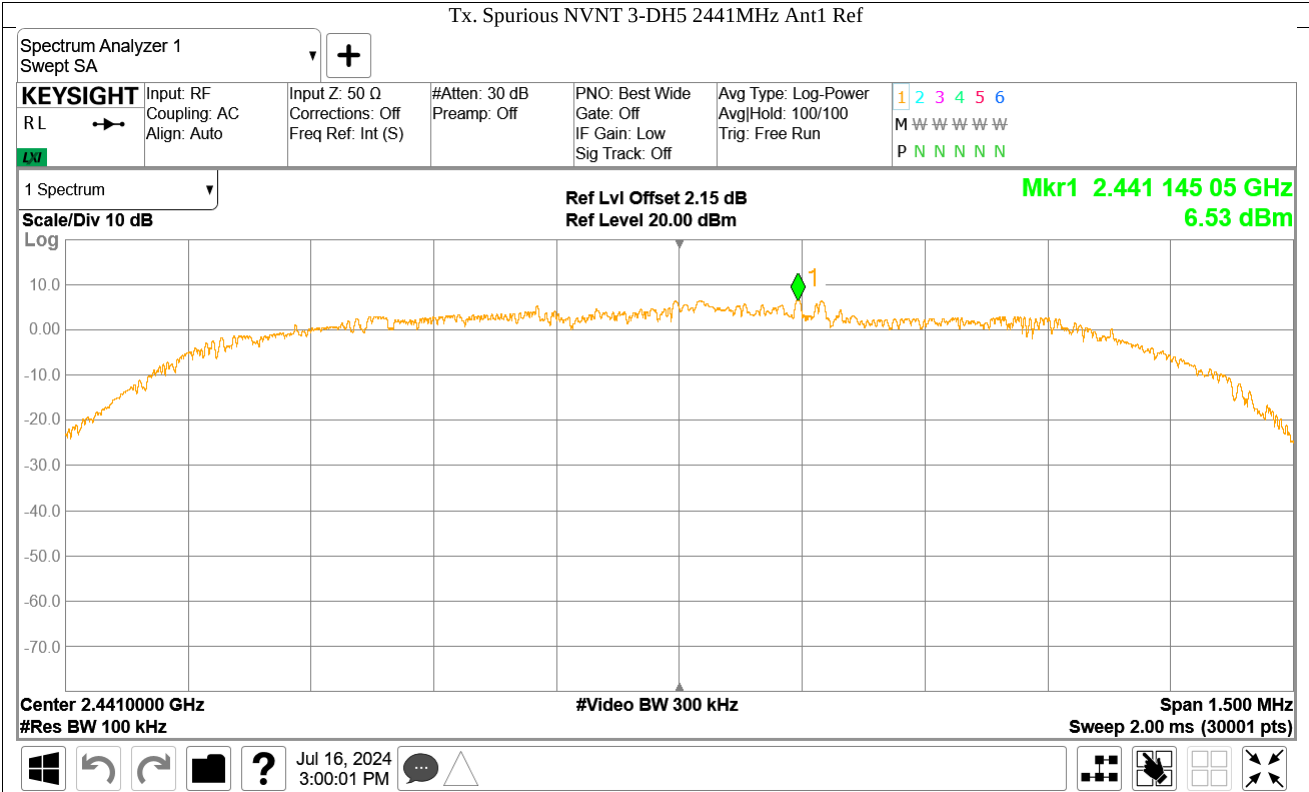


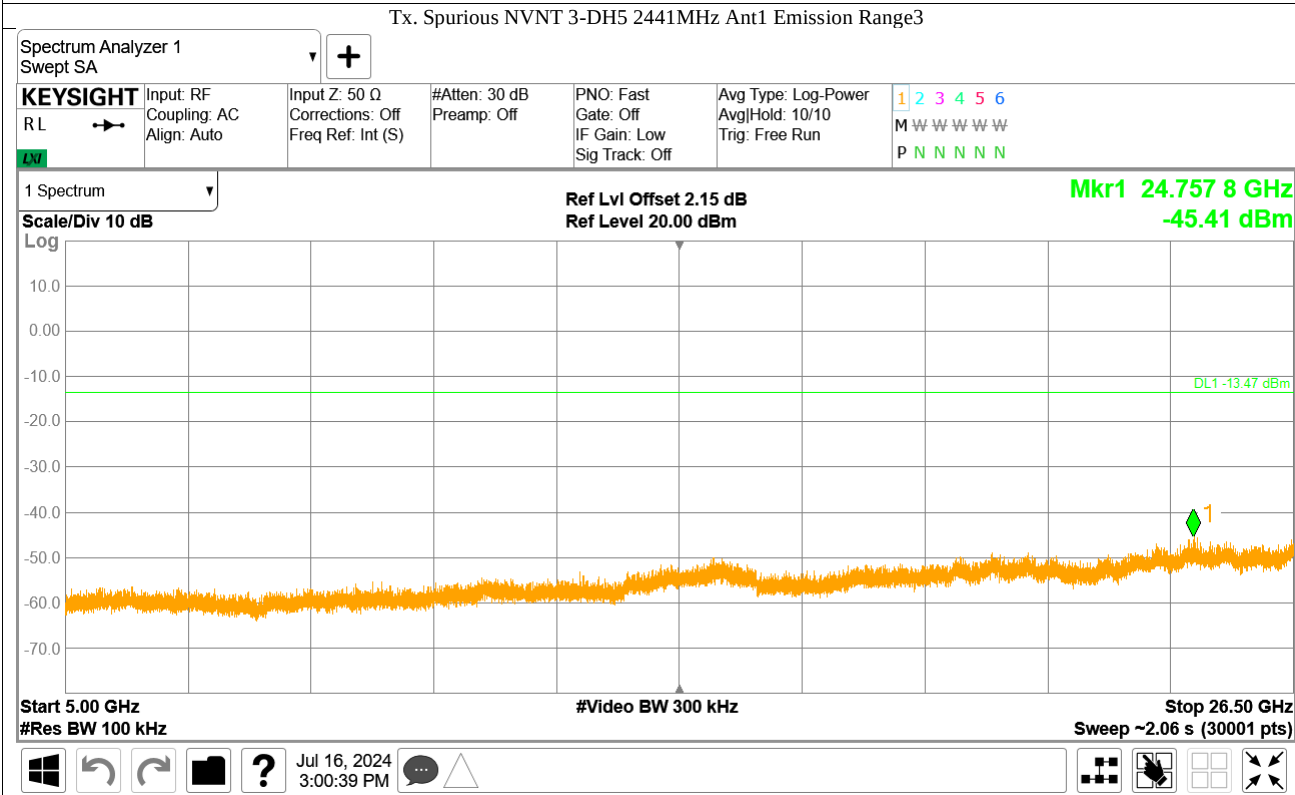
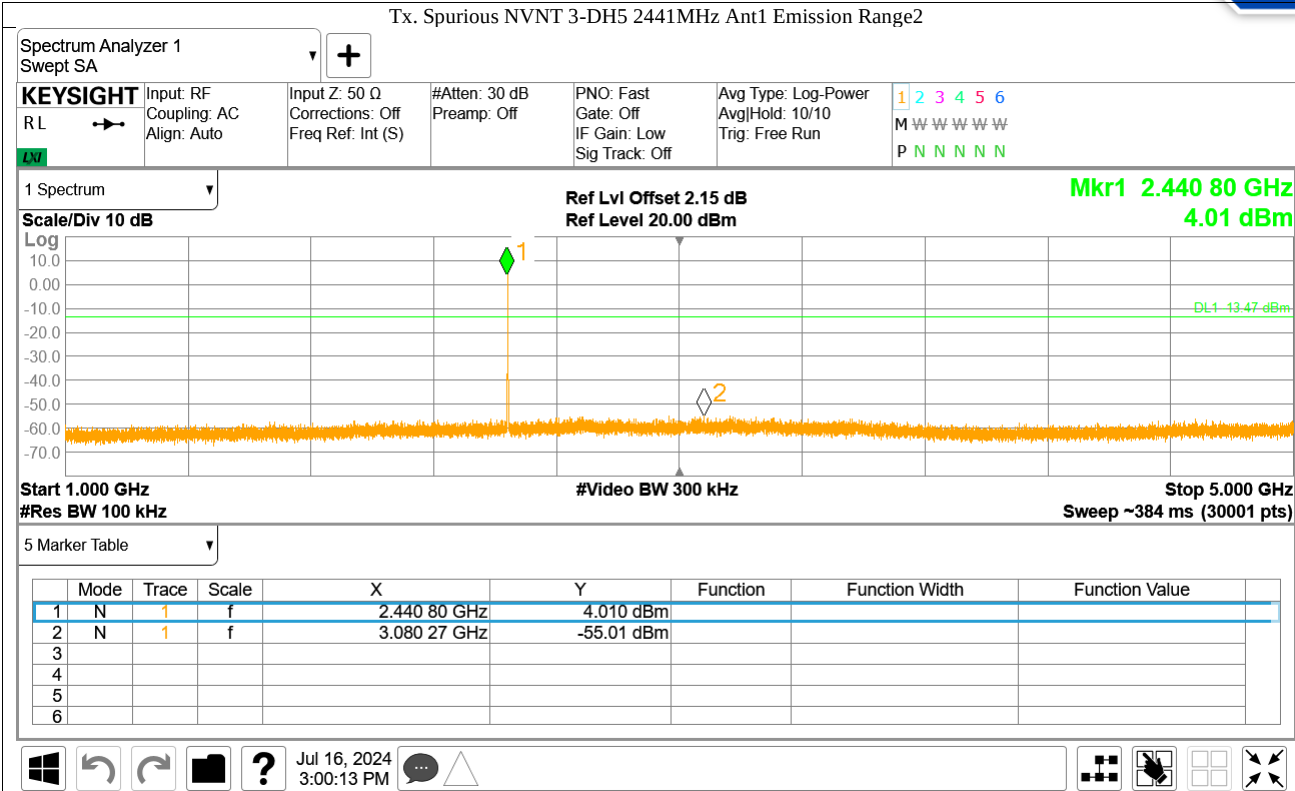
Spurious RF conducted emissions

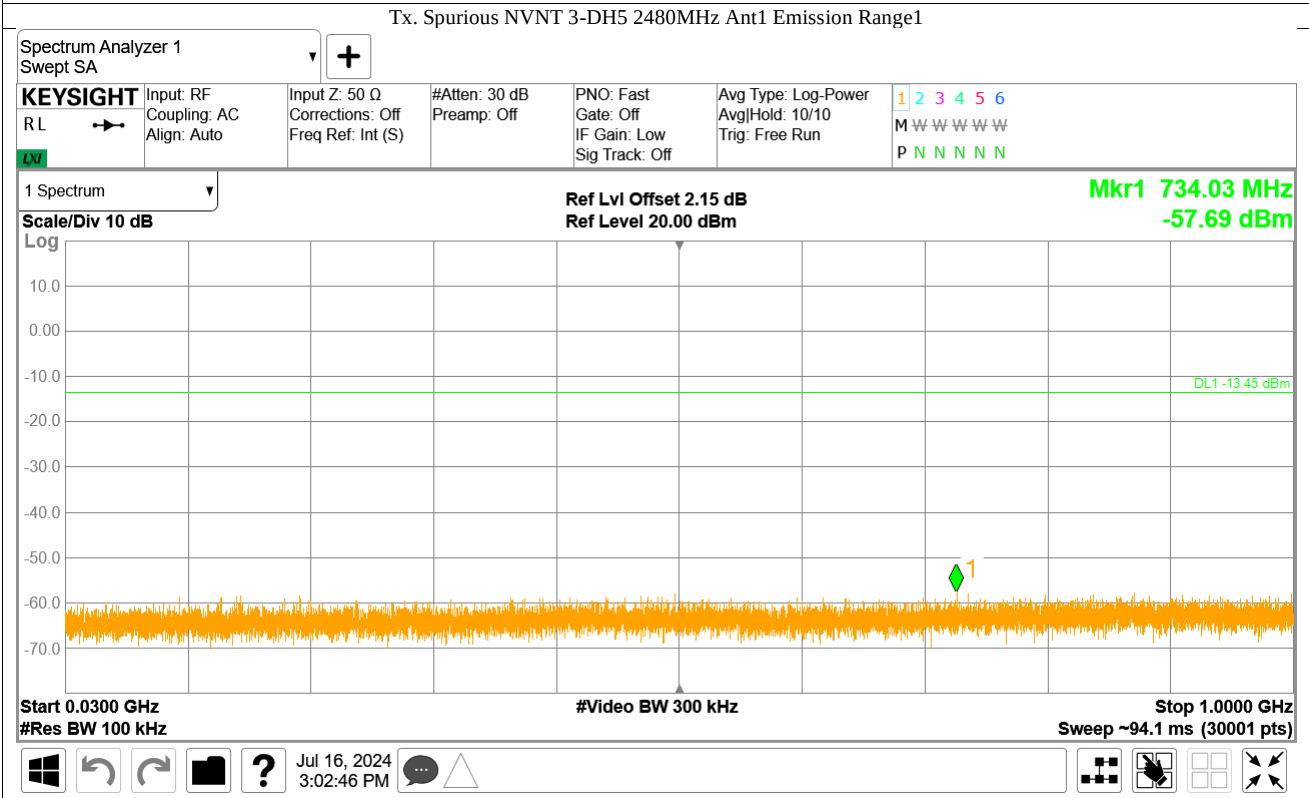
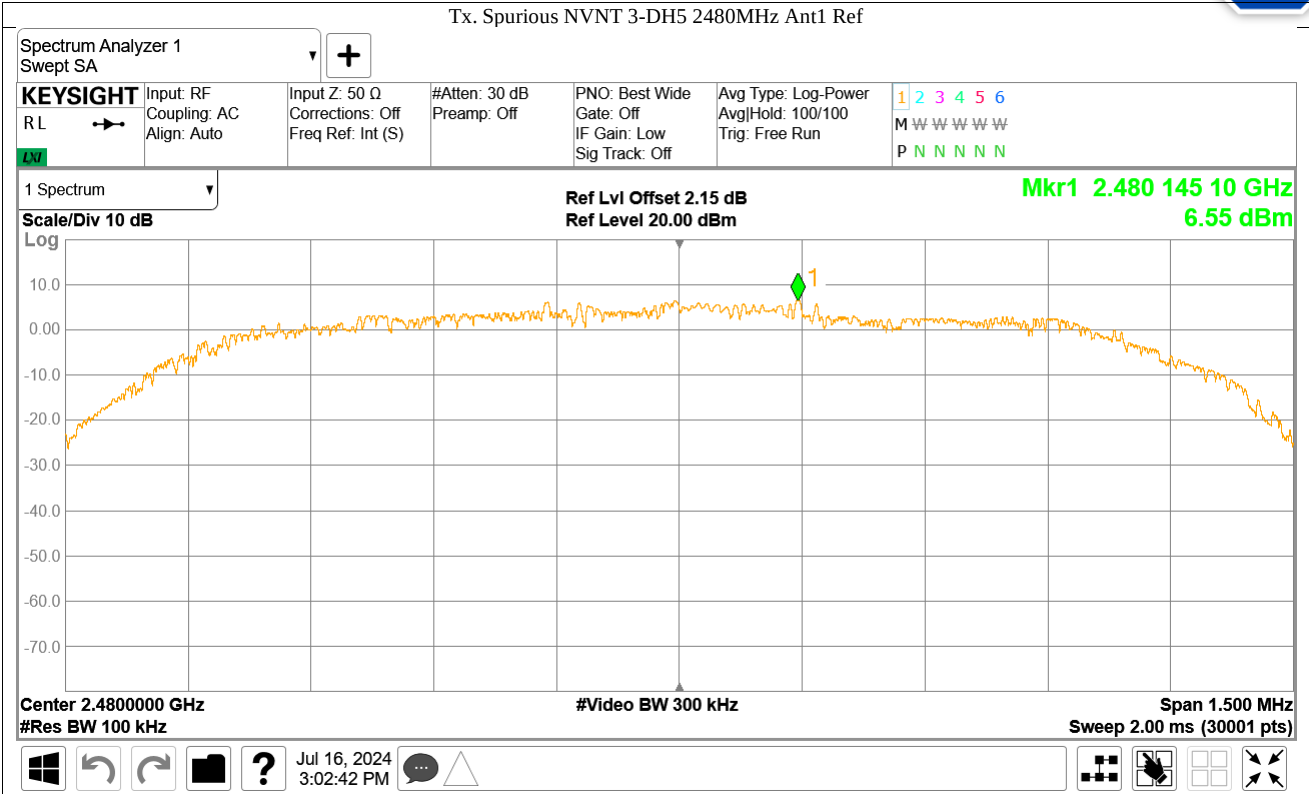
Only the worst case (which is subject to the maximum EIRP, 8-DPSK mode) test result is listed in the report.



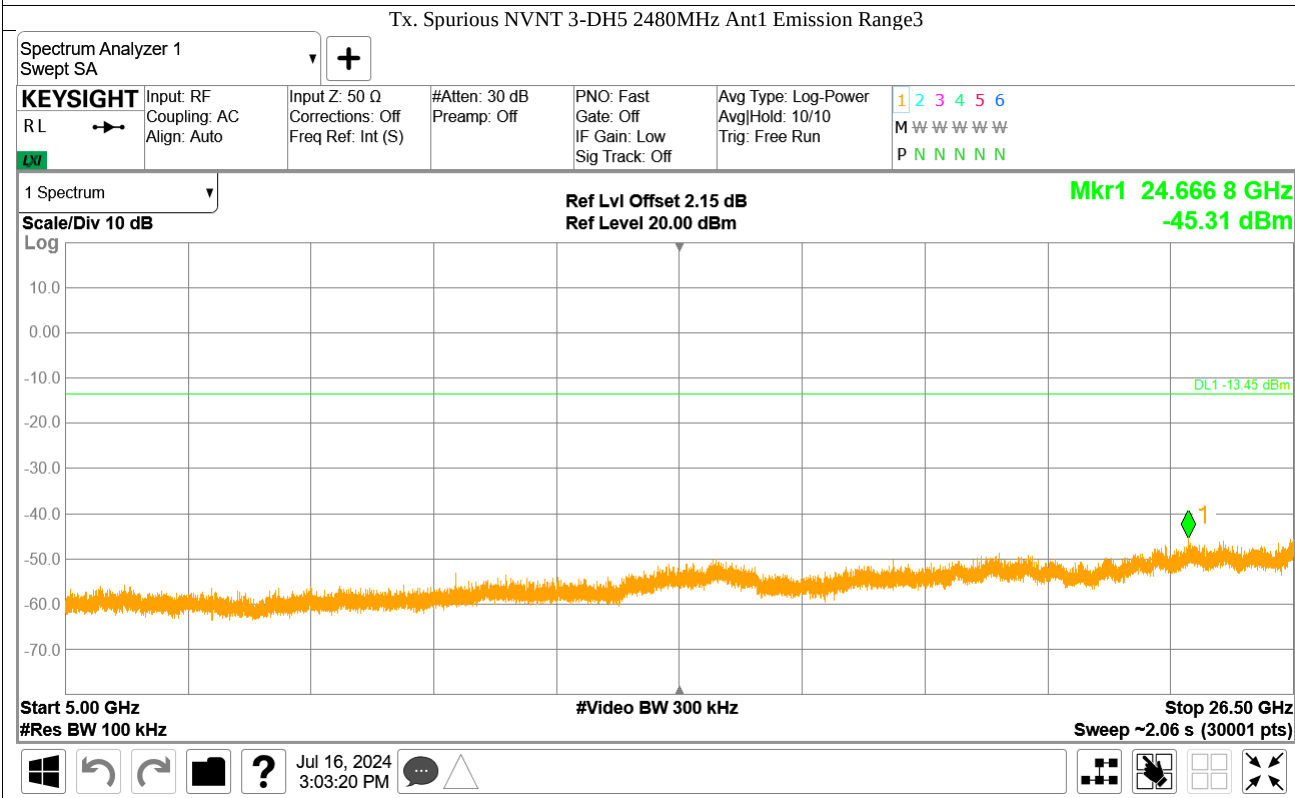
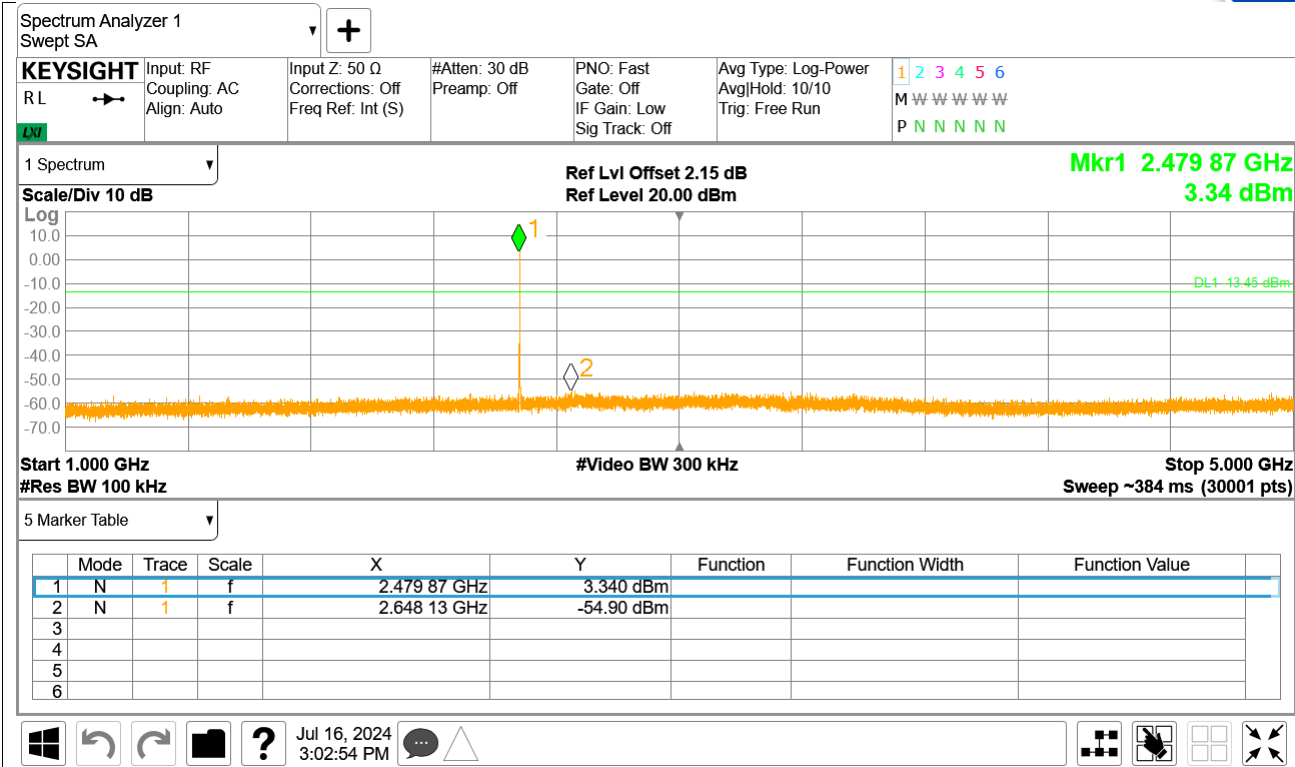








Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission Range2



12.5 Band edge testing

Test Method

1. The RF output of EUT was connected to the test receiver by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously. Set the EUT to the lowest frequency channel.
3. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector, Trace: Max hold, Sweep time: Coupled, Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation. Allow the trace to stabilize.
4. Set the marker on the emission at the band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Enable the marker-delta function, and then use the marker-to-peak function to move the marker to the peak of the in-band emission.
5. Set the EUT to the highest frequency channel and repeat step 2) to 4)
6. Enable the EUT hopping mode, repeat the test.

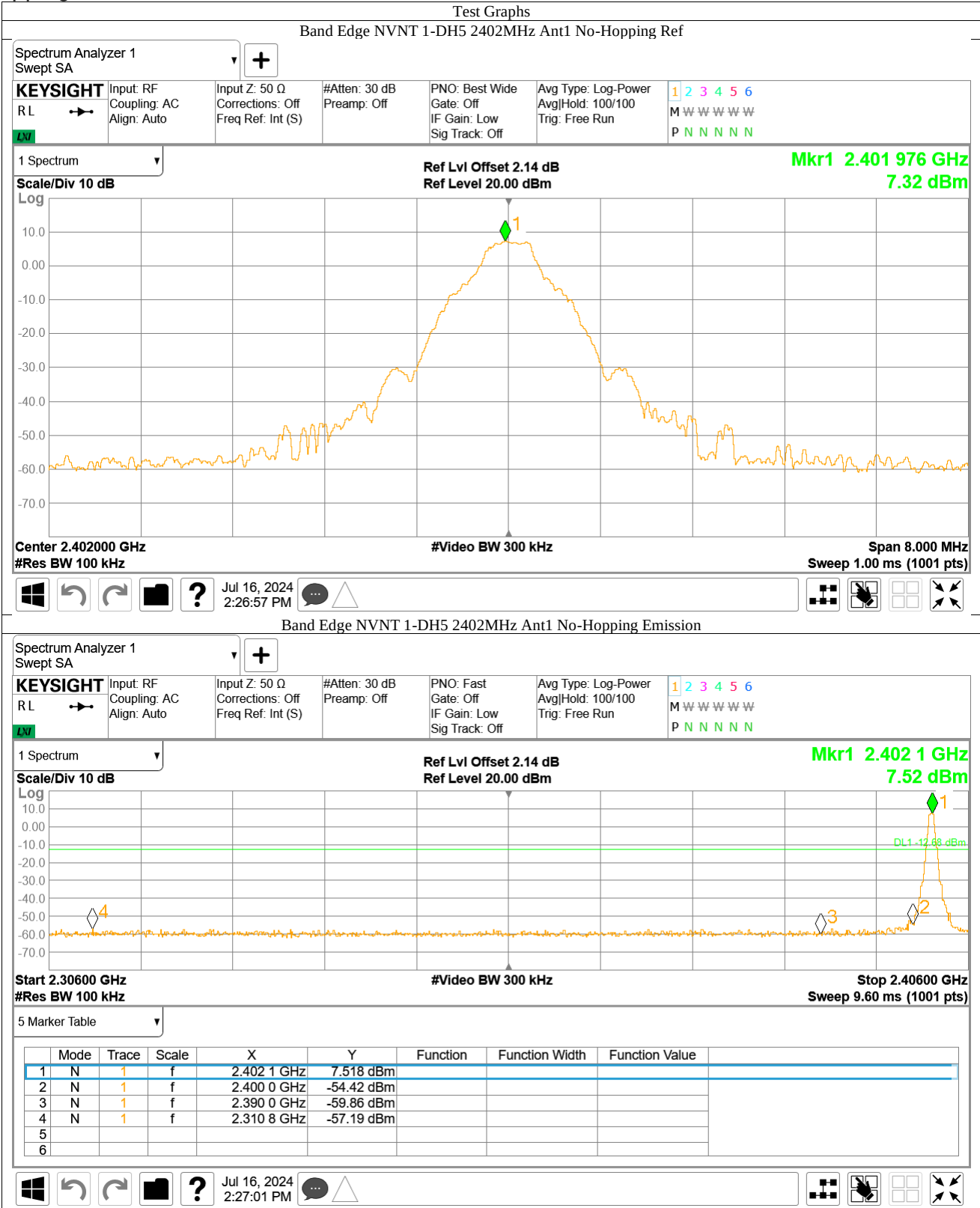
Limit:

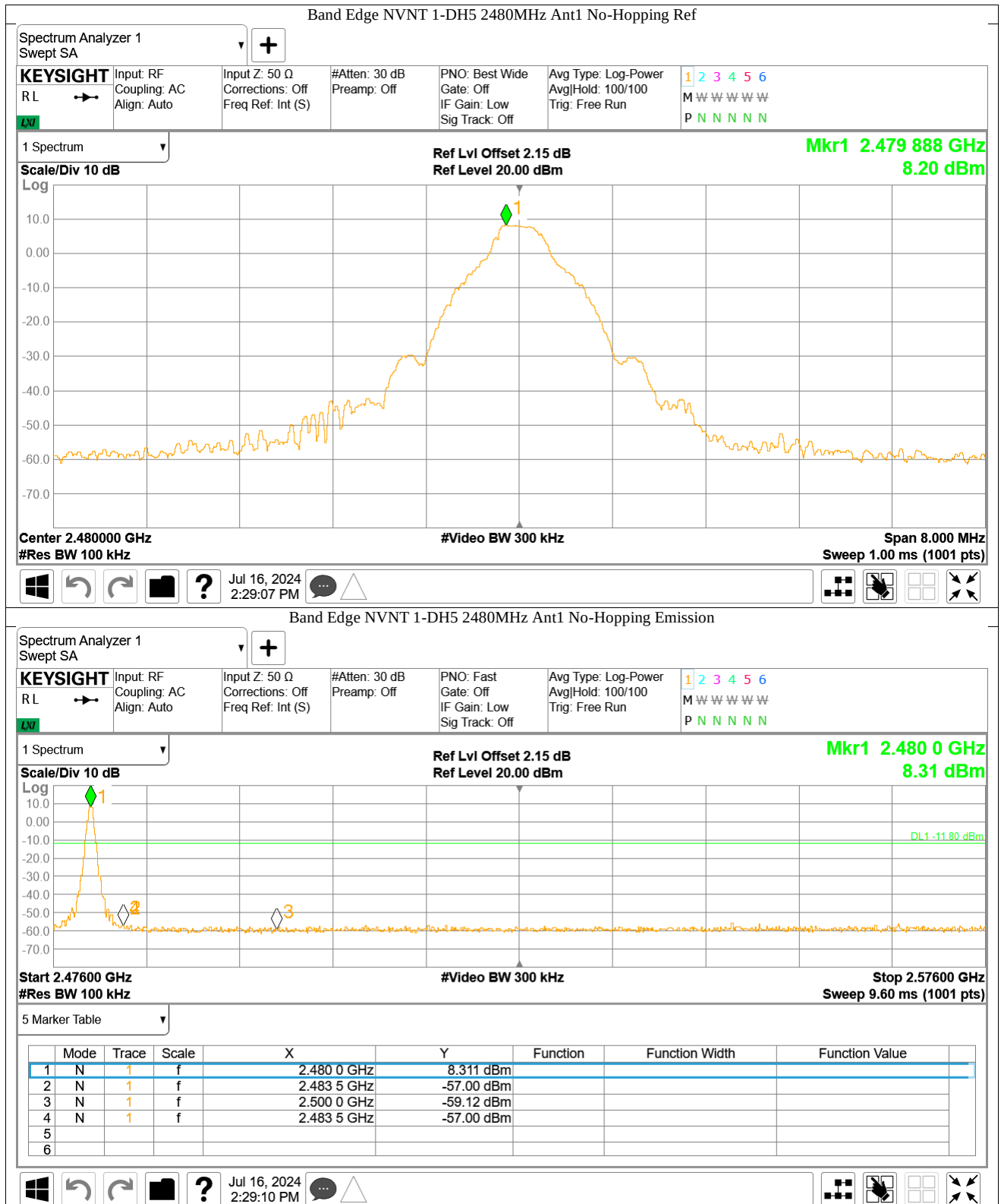
In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.



Band edge testing

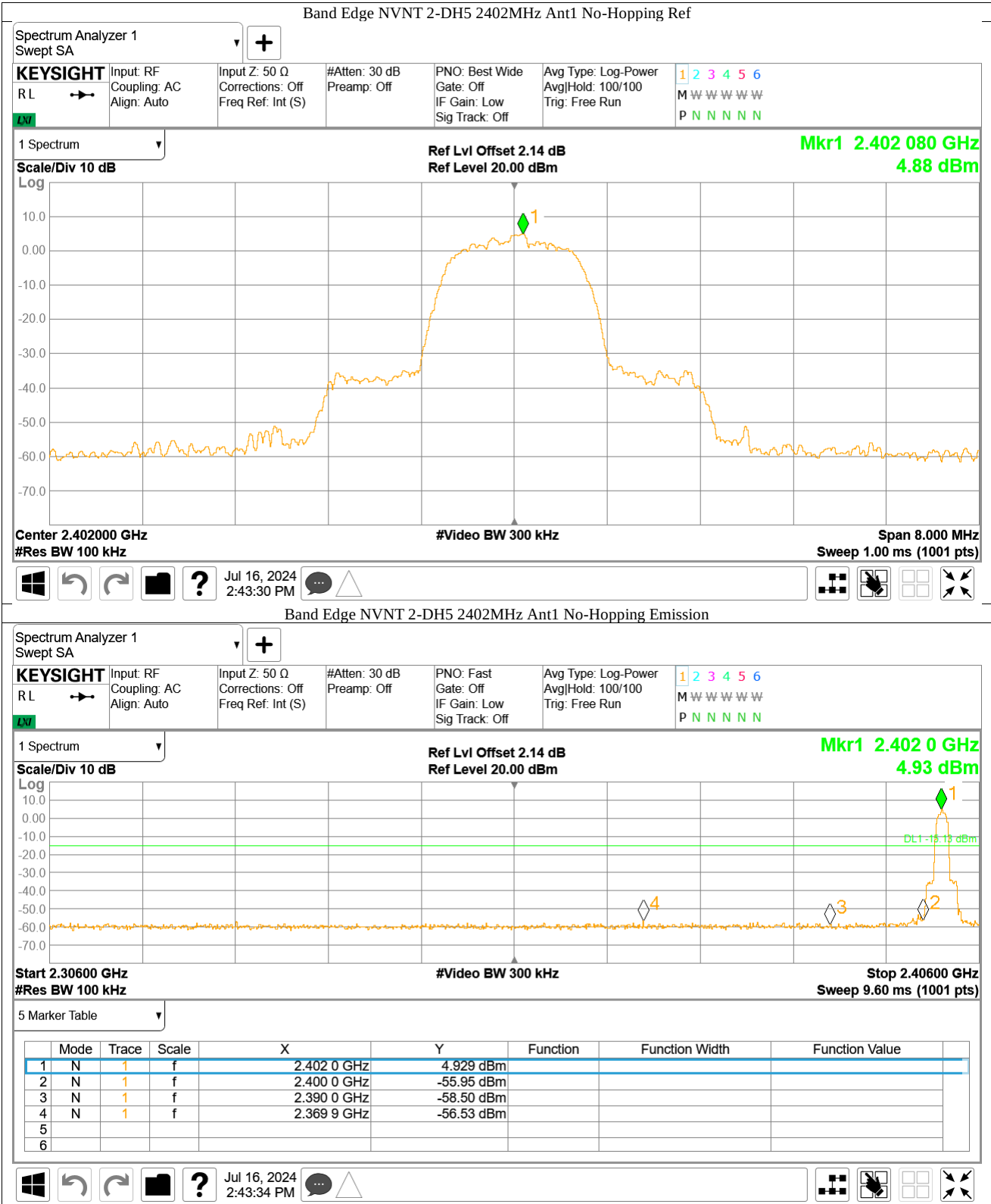
GFSK Modulation Test Result:
Hopping off mode:

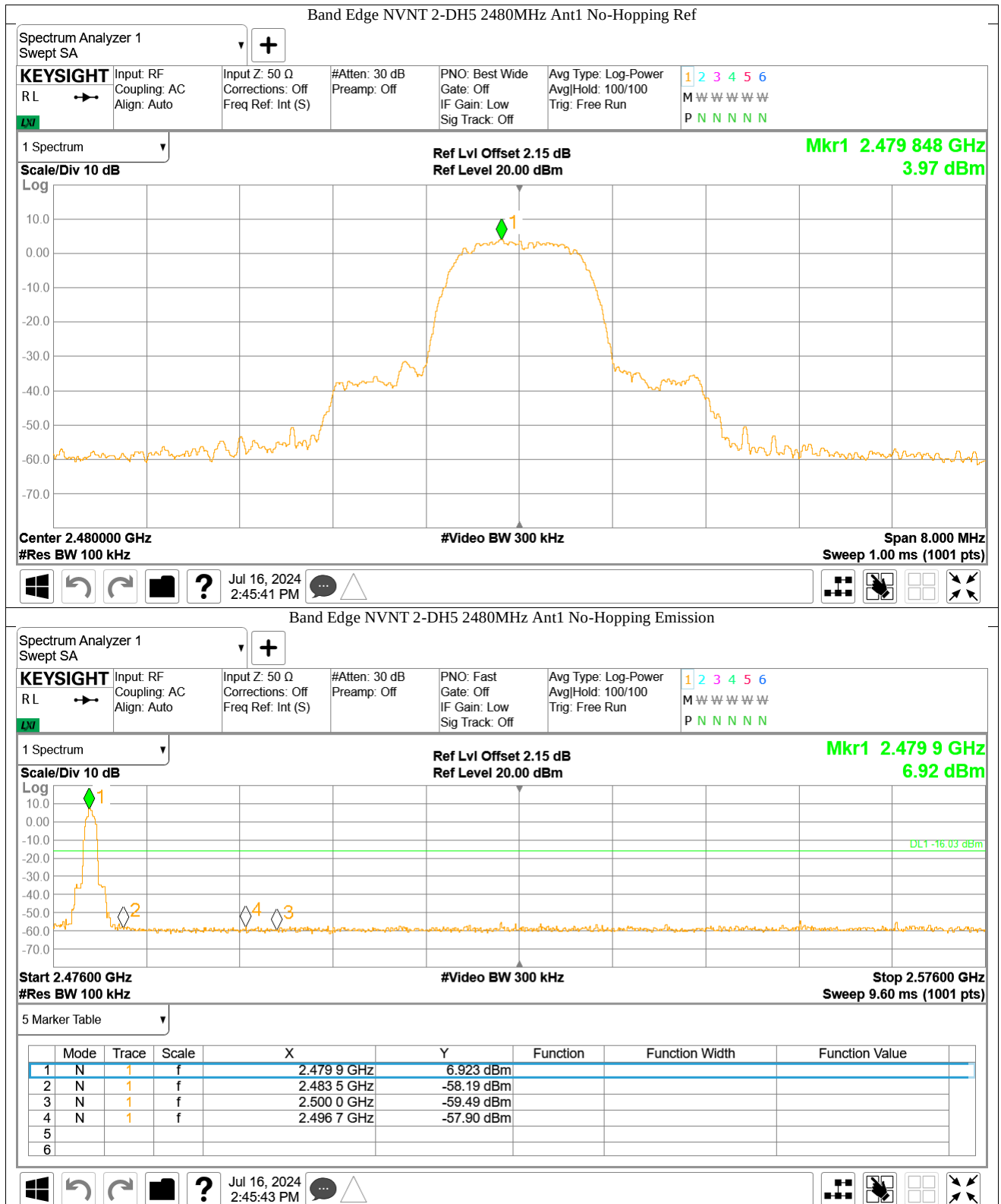






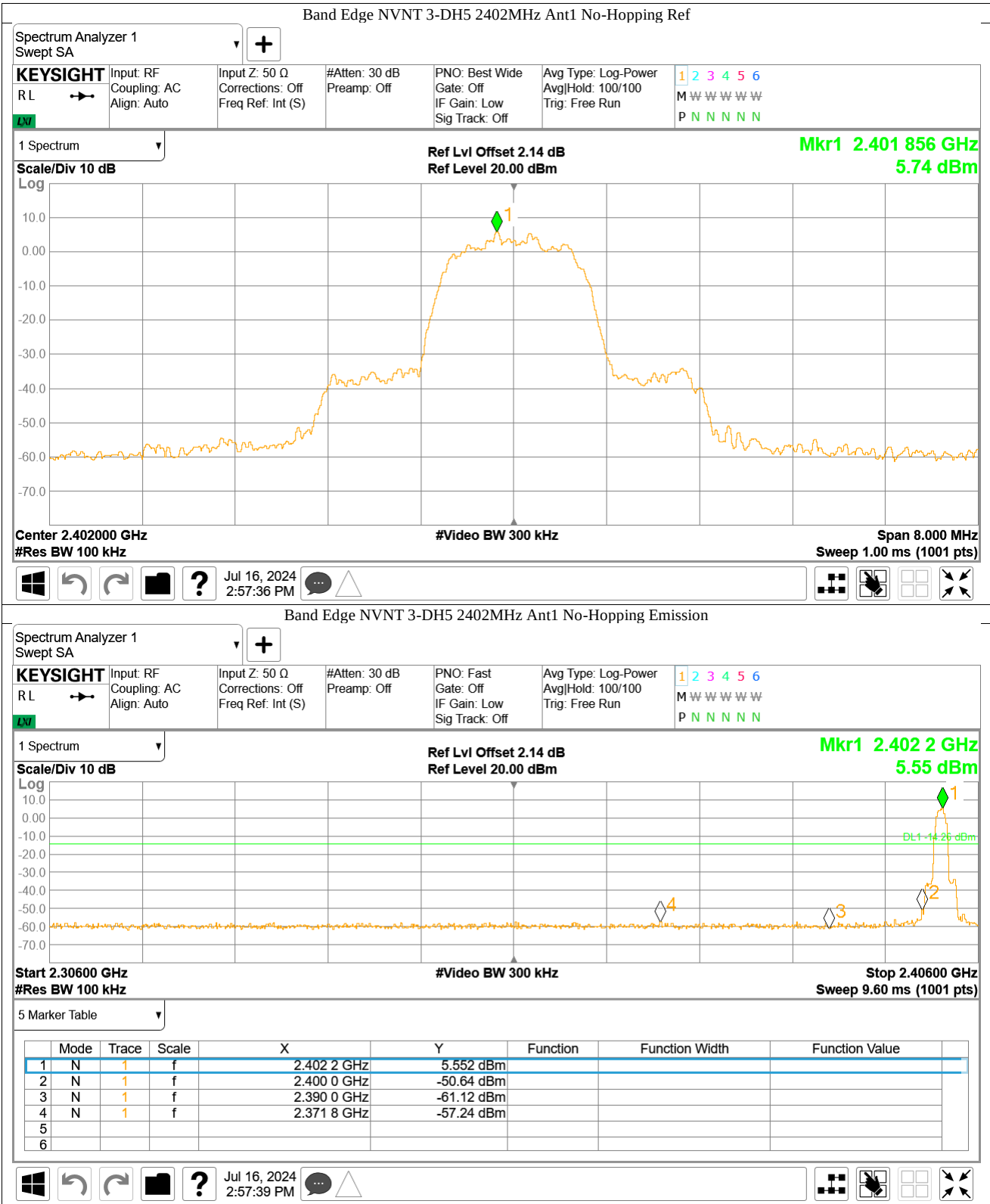
$\pi/4$ -DQPSK Modulation Test Result:
Hopping off mode:

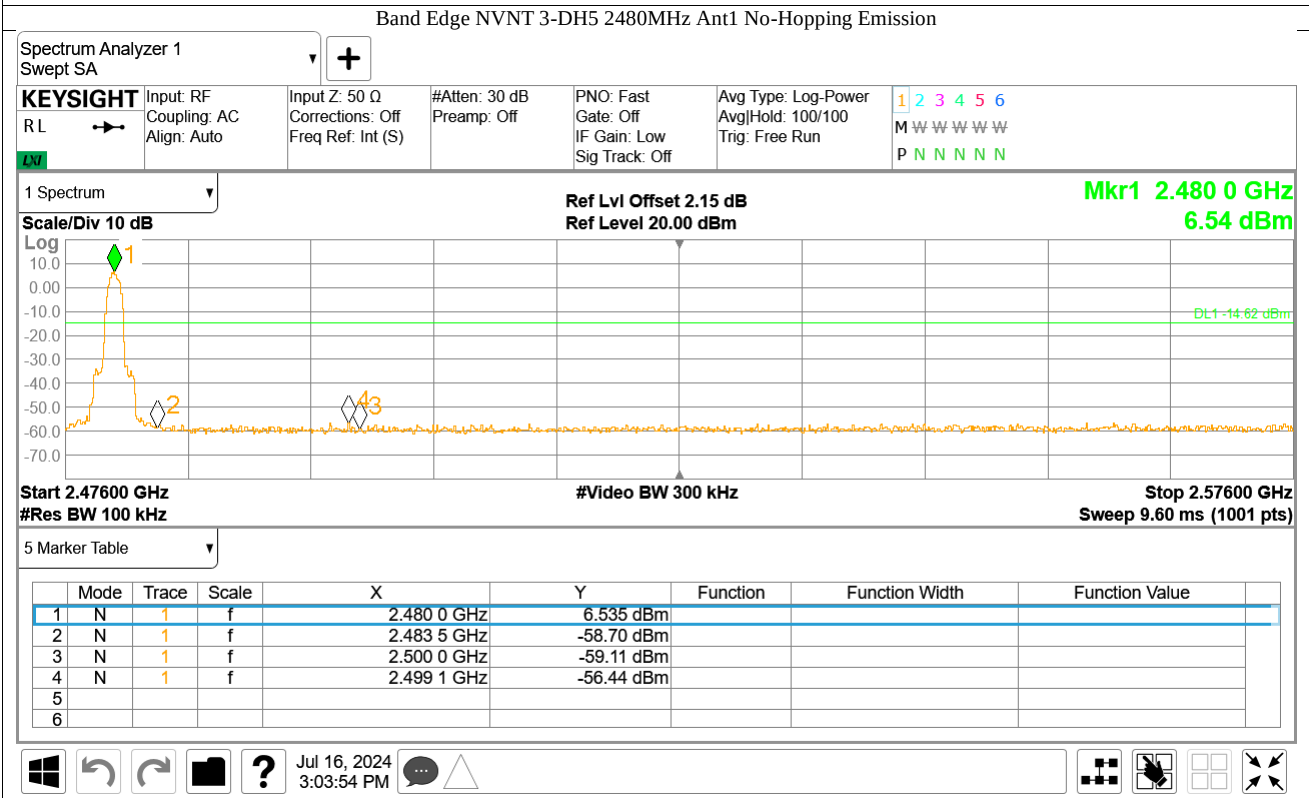
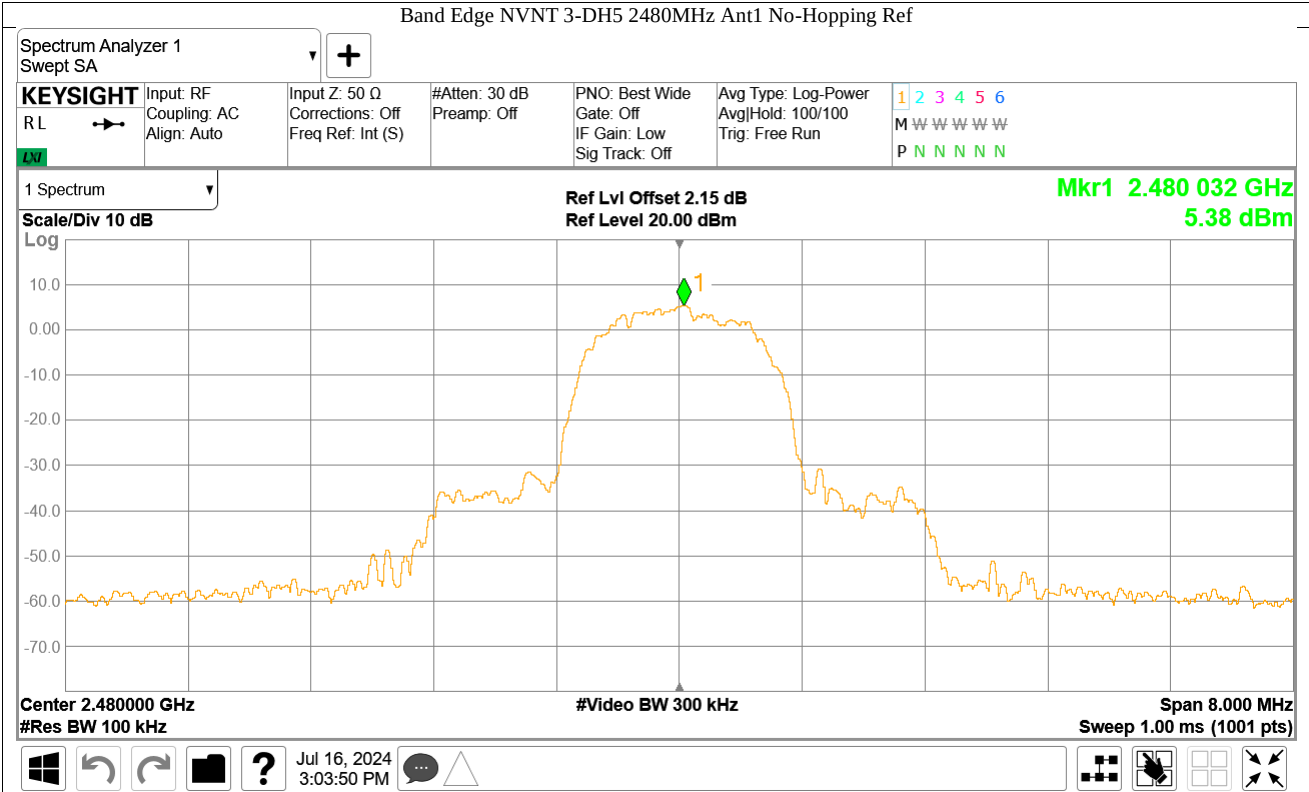






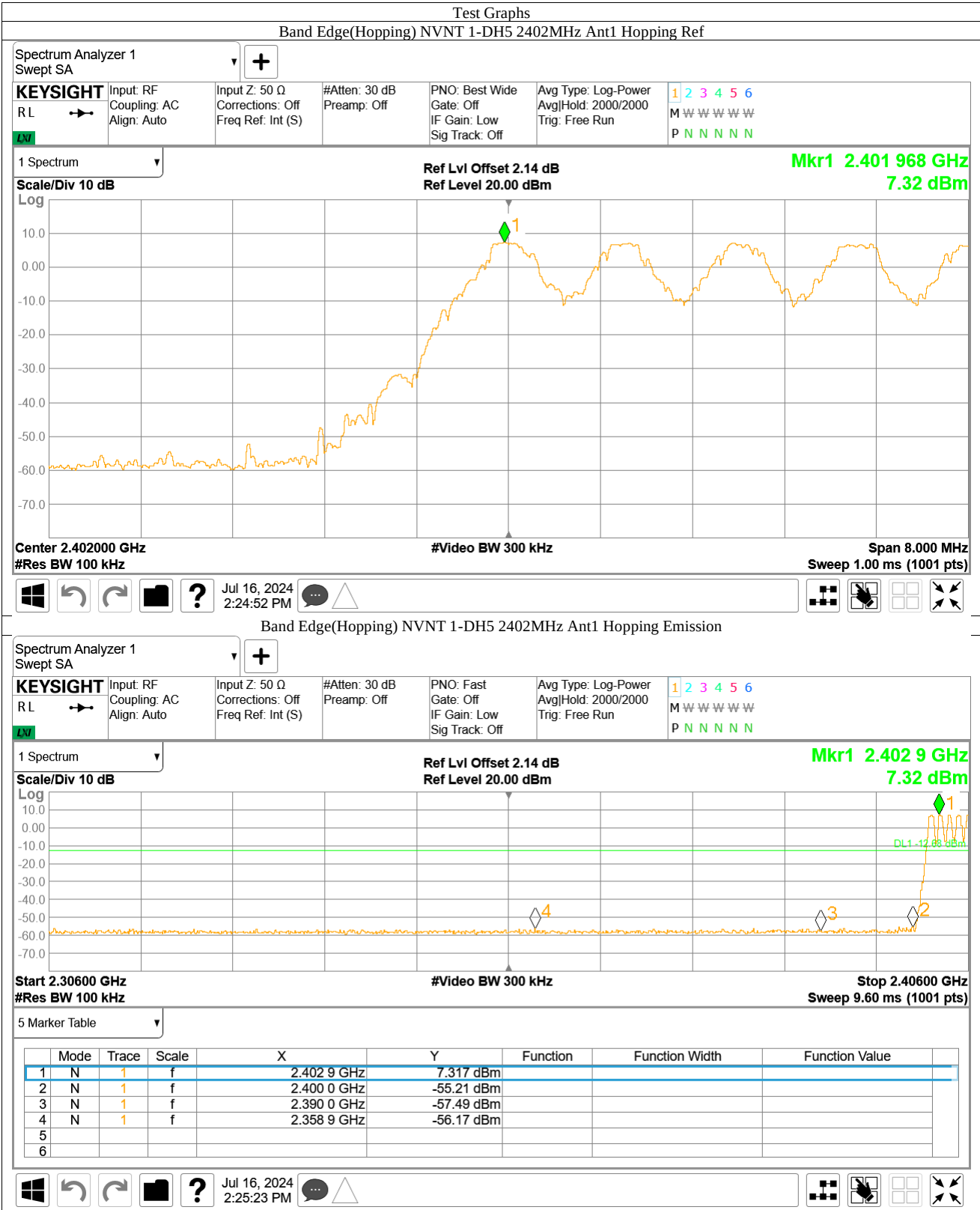
8-DPSK Modulation Test Result:
Hopping off mode:

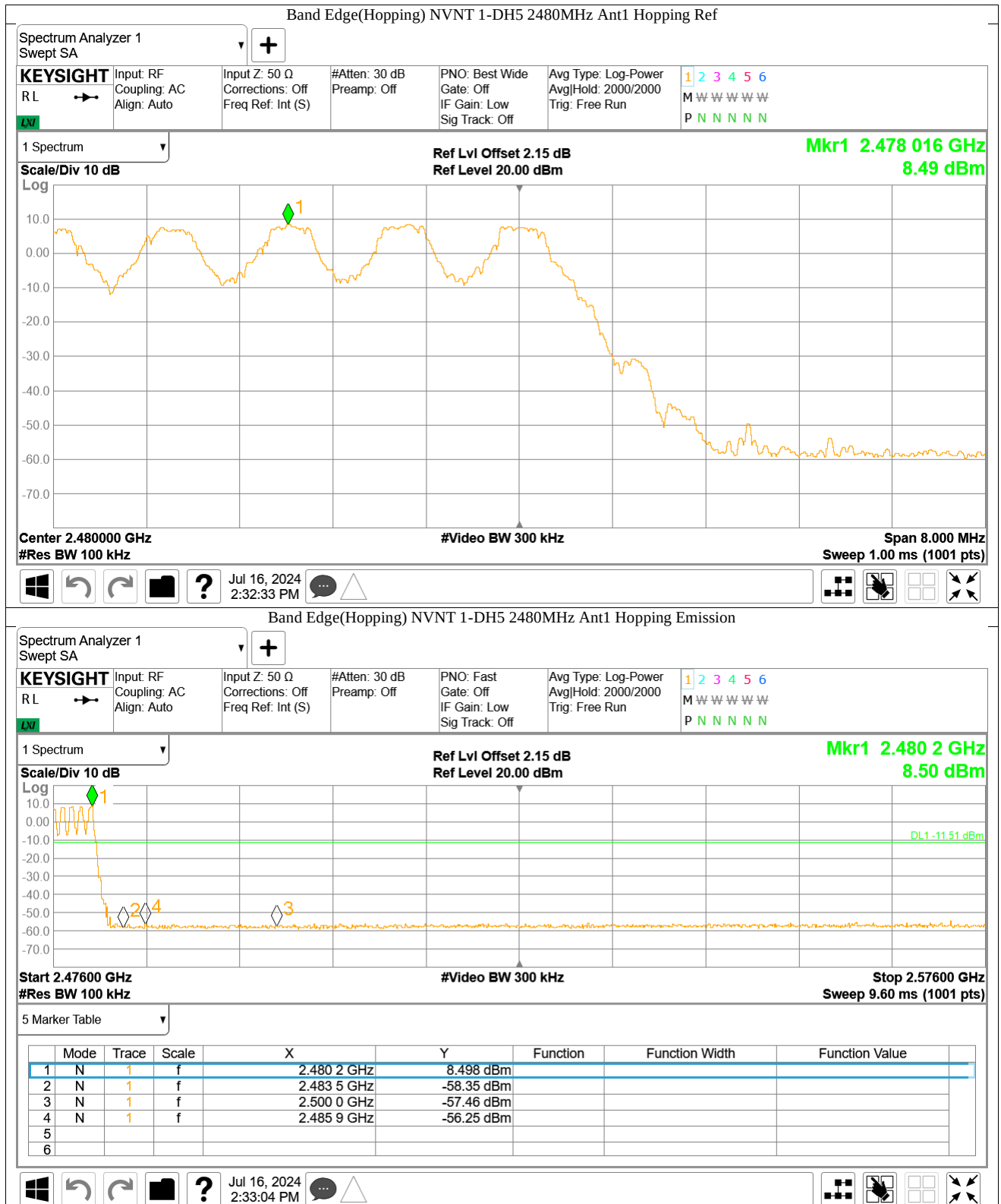






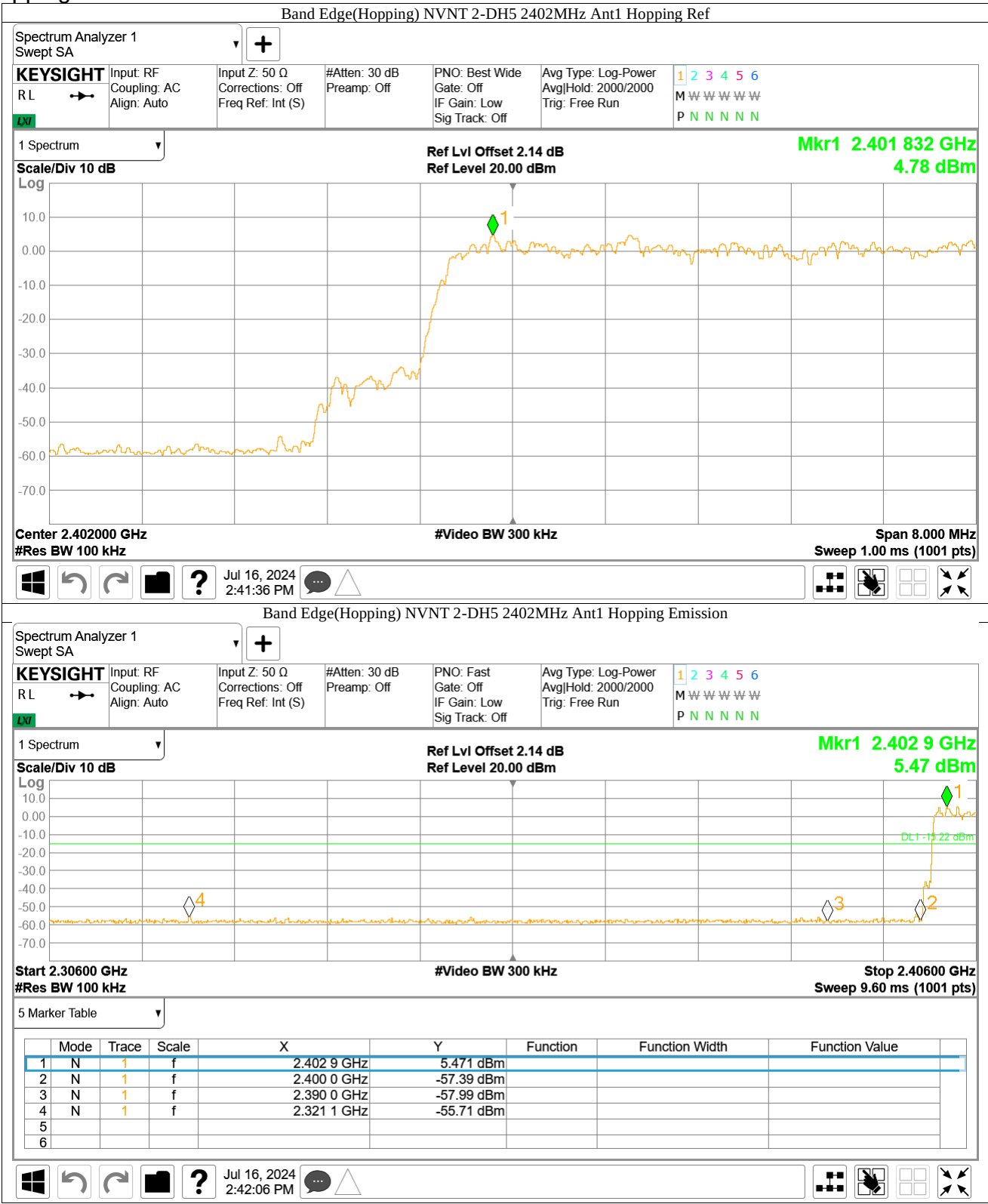
GFSK Modulation Test Result:
Hopping on mode:

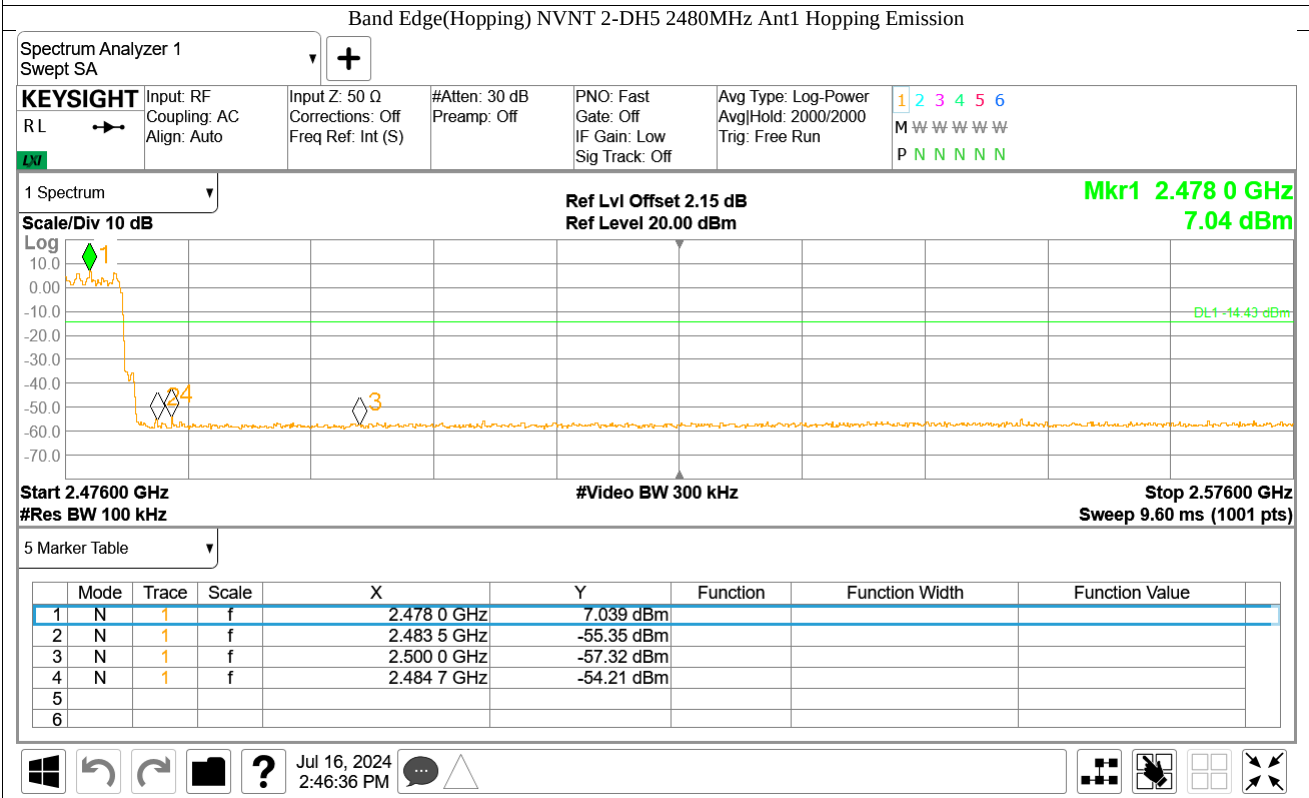
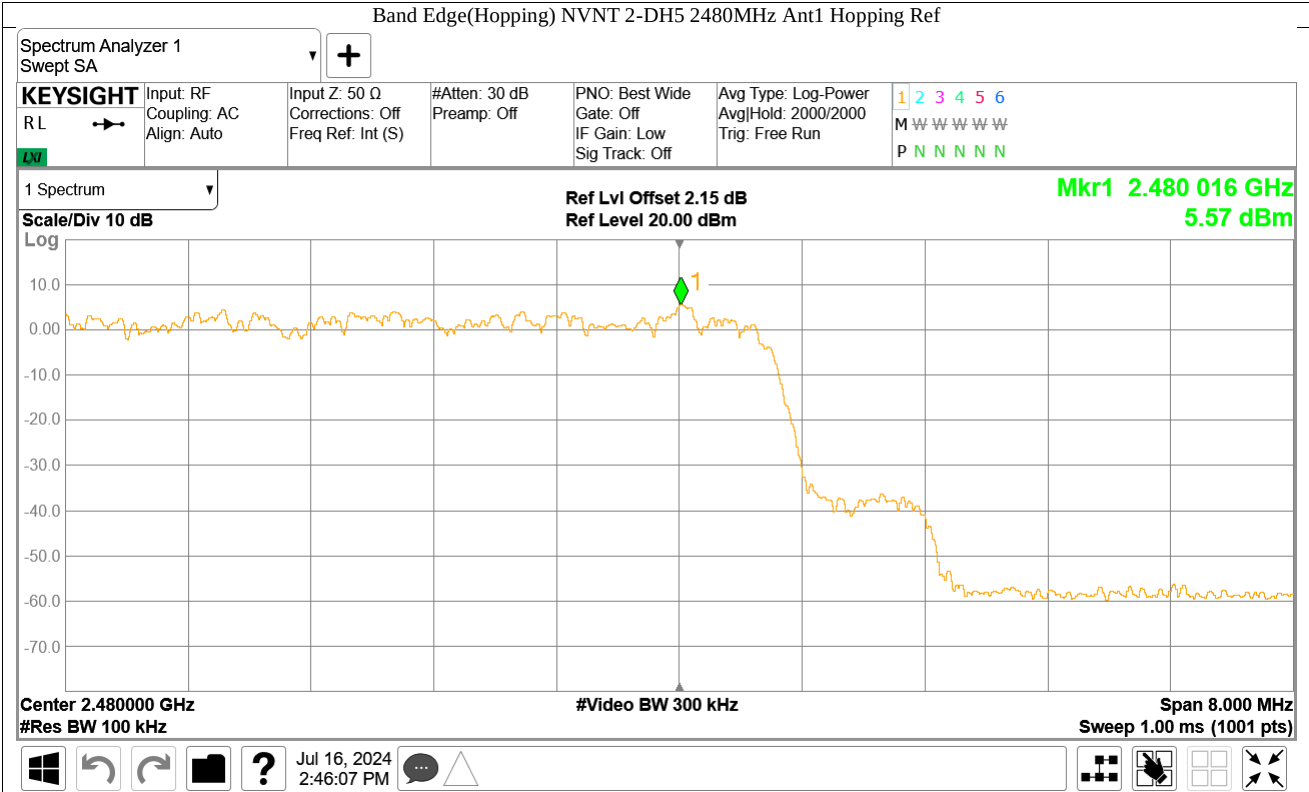






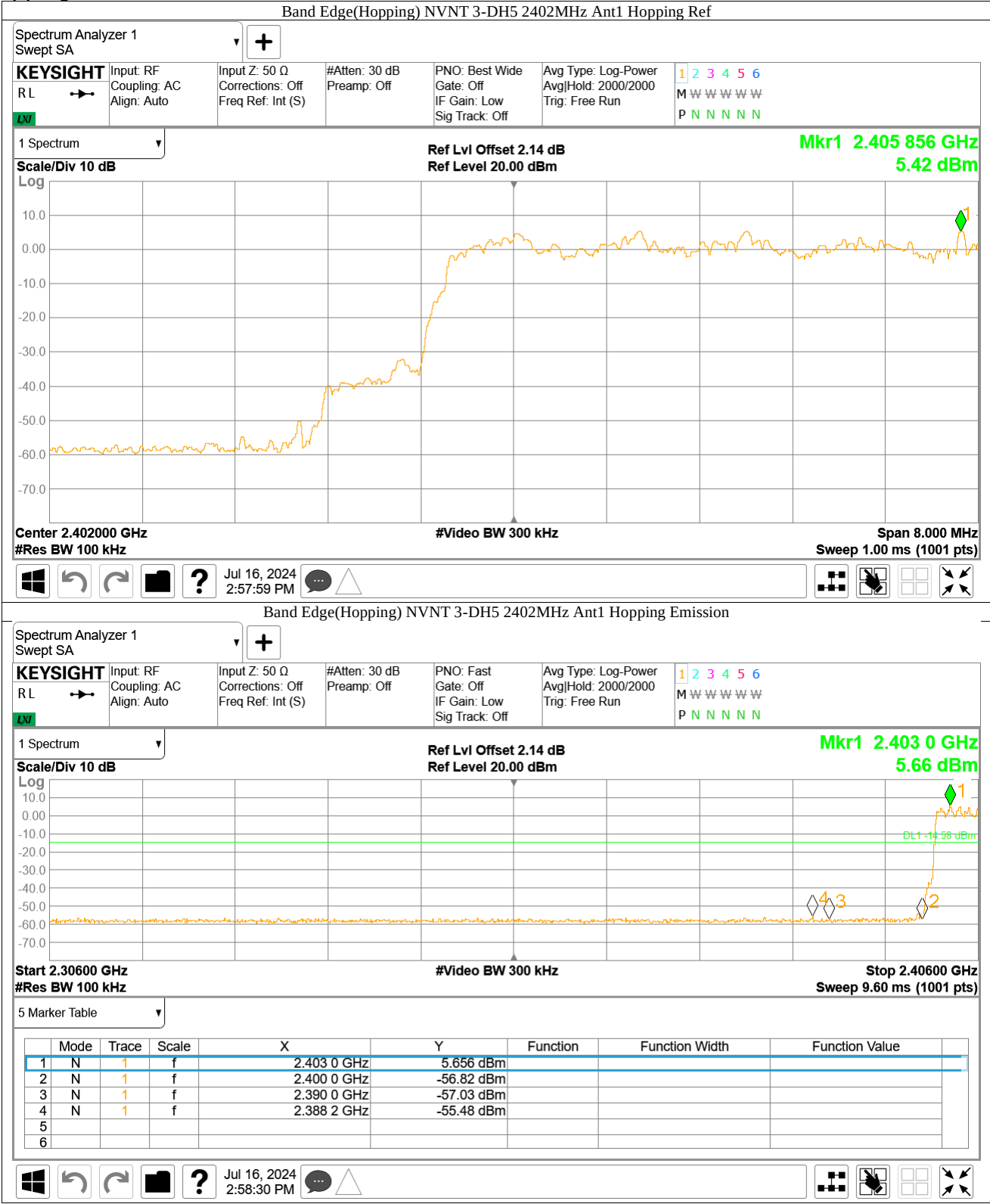
$\pi/4$ -DQPSK Modulation Test Result:
Hopping on mode:

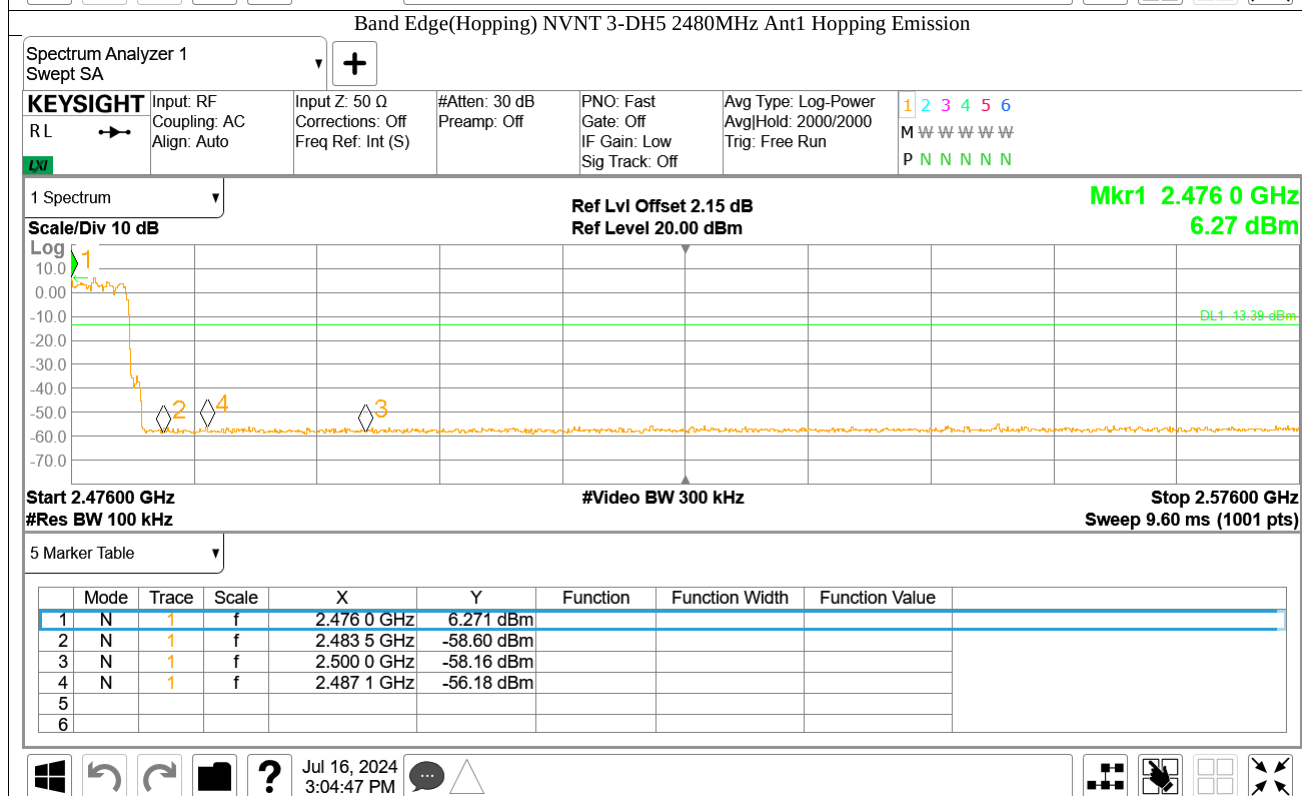
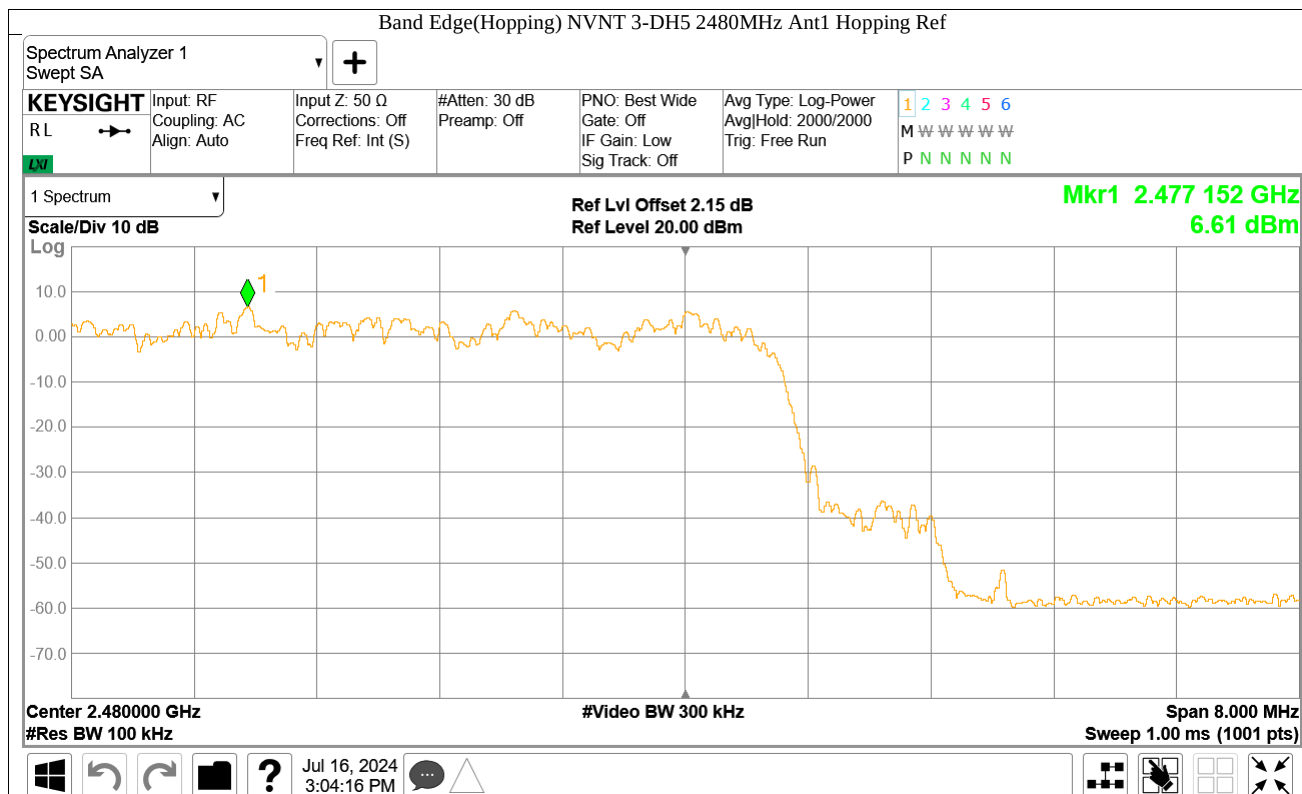






8-DPSK Modulation Test Result:
Hopping on mode:





12.6 Spurious radiated emissions for transmitter and receiver

Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
4. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
5. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
6. Use the following test receiver settings According to C63.10:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz to 120KHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = QP; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($20\log(1/\text{duty cycle})$).

The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

7. Repeat above procedures until all frequencies measured were complete.

Spurious Radiated Emissions for Transmitter

Limit

The radio emission outside the operating frequency band 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. Radiated emissions which fall in the restricted bands, as defined in section 15.205 & RSS-GEN 8.10, must comply with the radiated emission limits specified in section 15.209 & RSS-Gen 6.13.

Frequency MHz	Field Strength $\mu\text{V/m}$	Field Strength $\text{dB}\mu\text{V/m}$	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit $3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 300\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(300\text{m}/3\text{m})$ (Below 30MHz)

Note 2: Limit $3\text{m}(\text{dB}\mu\text{V/m}) = \text{Limit } 30\text{m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(30\text{m}/3\text{m})$ (Below 30MHz)

Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Data of measurement within frequency range 9kHz-30MHz 18-25GHz is the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.

The only worse case (which is subject to the maximum conducted power, 8-DPSK mode) test result is listed in the report.

Above 1GHz Transmitting spurious emission test result as below:

Test mode:2.4G_EDR_DH5_2402MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2384.00	40.27	74.00	33.73	PK	Horizontal
2386.53	39.98	74.00	34.03	PK	Vertical
4804.28	41.15	74.00	32.86	PK	Horizontal
4804.81	41.42	74.00	32.58	PK	Vertical

Test mode:2.4G_EDR_DH5_2441MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
4882.91	41.22	74.00	32.78	PK	Vertical
4883.44	41.95	74.00	32.05	PK	Horizontal

Test mode:2.4G_EDR_DH5_2480MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2483.53	47.91	74.00	26.09	PK	Vertical
2483.74	46.54	74.00	27.47	PK	Horizontal
4096.47	41.44	74.00	32.56	PK	Horizontal
4960.47	41.48	74.00	32.52	PK	Vertical

Test mode:2.4G_EDR_DH5_HOPPING					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2384.86	39.75	74.00	34.25	PK	Vertical
2384.91	41.14	74.00	32.87	PK	Horizontal
2483.64	43.24	74.00	30.76	PK	Vertical
2483.73	43.77	74.00	30.23	PK	Horizontal

Test mode:2.4G_EDR_2DH5_2402MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2385.31	39.90	74.00	34.10	PK	Vertical
2385.93	40.54	74.00	33.46	PK	Horizontal
4803.75	41.55	74.00	32.45	PK	Horizontal
4804.28	41.53	74.00	32.47	PK	Vertical

Test mode:2.4G_EDR_2DH5_2441MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M	Margin (dB)	Detector	Polarization
4881.84	41.29	74.00	32.71	PK	Horizontal
4884.50	42.24	74.00	31.76	PK	Vertical

Test mode:2.4G_EDR_2DH5_2480MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M	Margin (dB)	Detector	Polarization
2483.53	46.63	74.00	27.37	PK	Horizontal
2483.66	45.94	74.00	28.06	PK	Vertical
4958.34	42.72	74.00	31.28	PK	Horizontal
4960.46	41.37	74.00	32.63	PK	Vertical

Test mode:2.4G_EDR_2DH5_HOPPING					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M	Margin (dB)	Detector	Polarization
2383.17	40.25	74.00	33.76	PK	Vertical
2383.46	40.35	74.00	33.65	PK	Horizontal
2483.51	44.14	74.00	29.86	PK	Horizontal
2484.01	43.28	74.00	30.72	PK	Vertical

Test mode:2.4G_EDR_3DH5_2402MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M	Margin (dB)	Detector	Polarization
2381.76	39.87	74.00	34.13	PK	Vertical
2383.92	40.55	74.00	33.45	PK	Horizontal
4803.75	41.15	74.00	32.85	PK	Vertical
4805.38	40.97	74.00	33.03	PK	Horizontal

Test mode:2.4G_EDR_3DH5_2441MHz					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M	Margin (dB)	Detector	Polarization
4879.19	42.23	74.00	31.77	PK	Vertical
4882.91	41.60	74.00	32.40	PK	Horizontal

Test mode:2.4G_EDR_3DH5_2480MHz					
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Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2483.55	44.96	74.00	29.04	PK	Horizontal
2483.59	46.07	74.00	27.93	PK	Vertical
4957.81	41.98	74.00	32.02	PK	Horizontal
4961.00	42.16	74.00	31.84	PK	Vertical

Test mode:2.4G_EDR_3DH5_HOPPING					
Frequency MHz	Measure Level (dBuV/m)	Limit (dBuV/M)	Margin (dB)	Detector	Polarization
2383.00	40.84	74.00	33.16	PK	Horizontal
2383.64	40.02	74.00	33.99	PK	Vertical
2483.54	44.05	74.00	29.95	PK	Horizontal
2483.69	43.66	74.00	30.34	PK	Vertical

Remark:

- (1) Emission level= Original Receiver Reading + Correct Factor
- (2) Correct Factor = Antenna Factor + Cable Loss -Amplifier gain
- (3) Margin = limit – Corrected Reading



The worst case of Radiated Emission below 1GHz: X axis transmitting TX at 2441MHz (3DH5)

30-1000MHz Radiated Emission

EUT Information

EUT Name:

Model:

Client:

Op Cond:

Operator:

Test Spec:

Comment:

Sample No:

Acoustic Imaging Camera

Fotric H6

FOTRIC INC

Power on, TX_2480 at 3DH5 mode, AC120V/60Hz

Huali CHENG

FCC Part 15.209(a)

Horizontal

SHA-831405-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup:

Receiver:

Level Unit:

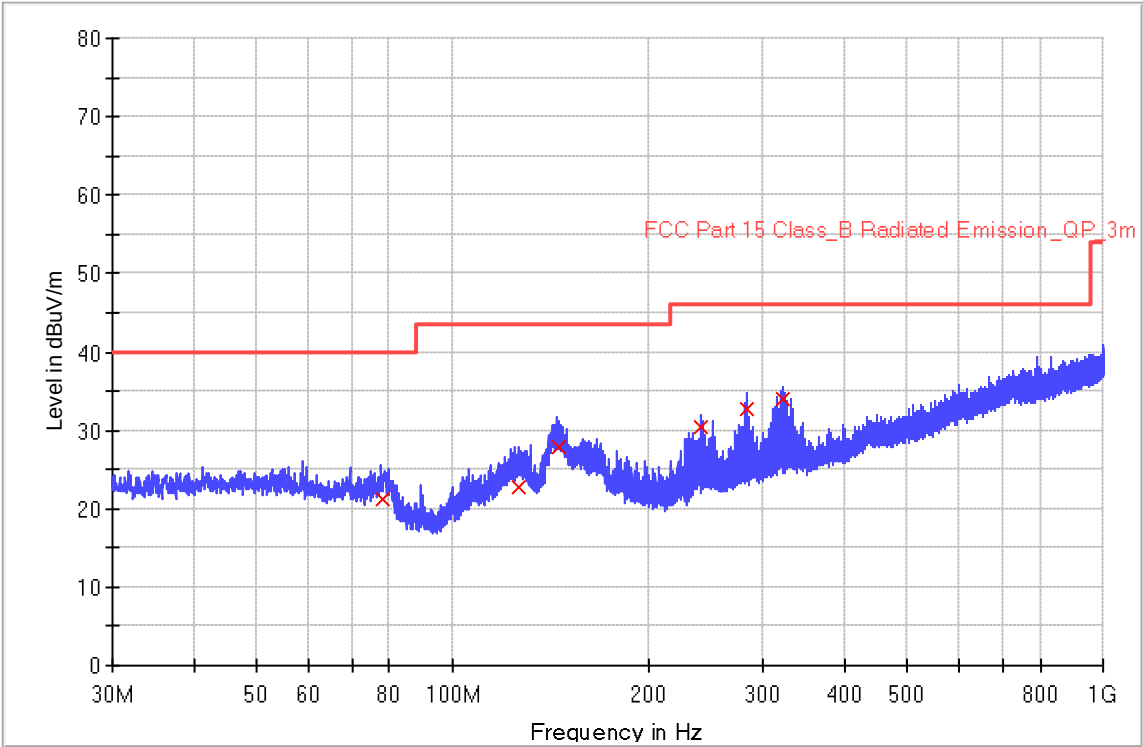
RE_VULB9168

[ESR 3]

dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB

RE_VULB9168_pre_Cont_30-1000



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)
78.320000	21.2	1000.0	120.000	175.0	H	198.0	16.5	18.8
126.400000	22.8	1000.0	120.000	200.0	H	205.0	18.7	20.7
145.200000	27.8	1000.0	120.000	186.0	H	36.0	20.7	15.7
240.360000	30.3	1000.0	120.000	102.0	H	321.0	19.6	15.7
283.760000	32.7	1000.0	120.000	112.0	H	181.0	21.1	13.3
322.160000	33.9	1000.0	120.000	103.0	H	48.0	22.3	12.1

(continuation of the "Limit and Margin" table from column 16 ...)

Frequency (MHz)	Limit - QPK (dBuV/m)	Comment
78.320000	40.0	
126.400000	43.5	
145.200000	43.5	
240.360000	46.0	
283.760000	46.0	
322.160000	46.0	

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report

30-1000MHz Radiated Emission

EUT Information

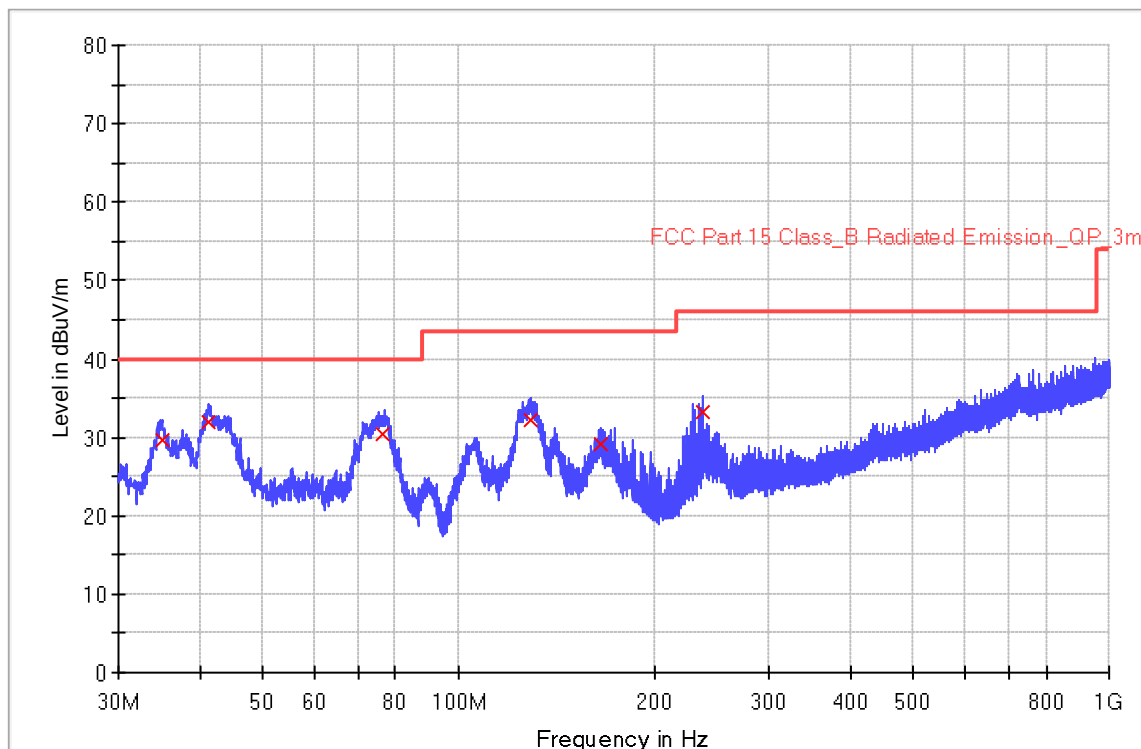
EUT Name: Acoustic Imaging Camera
Model: Fotric H6
Client: FOTRIC INC
Op Cond: Power on, TX_2480 at 3DH5 mode, AC120V/60Hz
Operator: Huali CHENG
Test Spec: FCC Part 15.209(a)
Comment: Vertical
Sample No: SHA-831405-2

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
Receiver: [ESR 3]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB

RE_VULB9168_pre_Cont_30-1000



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)
34.960000	29.6	1000.0	120.000	112.0	V	126.0	19.4	10.4
41.320000	32.0	1000.0	120.000	102.0	V	85.0	20.1	8.0
76.320000	30.3	1000.0	120.000	106.0	V	208.0	17.2	9.7
129.120000	32.2	1000.0	120.000	132.0	V	98.0	19.1	11.3
165.960000	29.0	1000.0	120.000	100.0	V	320.0	20.5	14.5
236.800000	33.1	1000.0	120.000	120.0	V	164.0	19.1	12.9

(continuation of the "Limit and Margin" table from column 16 ...)

Frequency (MHz)	Limit - QPK (dBuV/m)	Comment
34.960000	40.0	
41.320000	40.0	
76.320000	40.0	
129.120000	43.5	
165.960000	43.5	
236.800000	46.0	

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report

13 Test Equipment List

List of Test Instruments
Test Site1

	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE DATE
C	Signal spectrum analyzer	Agilent	N9020B	MY59050168	2024-2-19	2025-2-18
RE	EMI Test Receiver	Rohde & Schwarz	ESR3	101906	2023-8-1	2024-7-31
	EMI Test Receiver	Rohde & Schwarz	ESR3	101906	2024-8-1	2025-7-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101091	2023-8-1	2024-7-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101091	2024-8-1	2025-7-31
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	961	2021-9-23	2024-9-22
	Double-ridged waveguide horn antenna	Rohde & Schwarz	HF907	102868	2024-4-14	2027-4-13
	Pre-amplifier	Shenzhen HzEMC	HPA-081843	HYP A23026	2024-4-16	2025-4-15
	Loop antenna	Rohde & Schwarz	HFH2-Z2	100443	2024-6-26	2025-6-25
	Double Ridged Horn Antenna	ETS-Lindgren	3116C	00246076	2023-7-7	2026-7-6
	3m Semi-anechoic chamber	TDK	9X6X6	----	2024-5-8	2027-5-7
CE	EMI Test Receiver	Rohde & Schwarz	ESR3	101907	2023-8-1	2024-7-31
	EMI Test Receiver	Rohde & Schwarz	ESR3	101907	2024-8-1	2025-7-31
	LISN	Rohde & Schwarz	ENV216	101924	2023-8-1	2024-7-31
	LISN	Rohde & Schwarz	ENV216	101924	2024-8-1	2025-7-31

Measurement Software Information			
Test Item	Software	Manufacturer	Version
C	MTS 8310	MWRFTtest	3.0.0.0
RE	EMC 32	Rohde & Schwarz	V10.50.40
CE	EMC 32	Rohde & Schwarz	V9.15.03

C - Conducted RF tests

- Conducted peak output power
- 20dB bandwidth
- Carrier frequency separation
- Number of hopping frequencies
- Dwell Time - Average Time of Occupancy
- Power spectral density
- Spurious RF conducted emissions
- Band edge

14 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

Items	Extended Uncertainty
Conducted Disturbance at Mains Terminals	150kHz to 30MHz, LISN, 3.16dB
Radiated Disturbance	9kHz to 30MHz, 3.52dB 30MHz to 1GHz, 5.03dB (Horizontal) 5.12dB (Vertical) 1GHz to 18GHz, 5.49dB 18GHz to 40GHz, 5.63dB
RF Conducted Measurement	Power related: 1.16dB Frequency related: 6.00×10^{-8}

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.4.3.



15 Photographs of Test Set-ups

Refer to the < Test Setup photos >.



16 Photographs of EUT

Refer to the < External Photos > & < Internal Photos >.

-----End of Test Report-----