



Test Report

Report No.: RKEYS251201190

Date: Dec. 22, 2025

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JAPAN RF TEST REPORT

For

Product: Single Board Computer

Model: BPI-M4 ZERO

Report No.: RKEYS251201190

Issued for

FINGGAL LINK CO., LTD.

2-6-6, Motoasakusa, Taito-ku, Tokyo 111-0041, Japan

Issued by

Guangdong KEYS Testing Technology Co., Ltd.

**Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong,
China**

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1. TEST CERTIFICATION

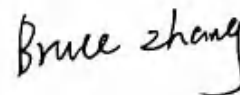
Product:	Single Board Computer
Trade mark:	/
Main Model:	BPI-M4 ZERO
Applicant :	FINGGAL LINK CO., LTD.
Address:	2-6-6, Motoasakusa, Taito-ku, Tokyo 111-0041, Japan
Manufacturer:	Bipai Electronic Technology (Dongguan) Co., LTD
Address:	Room 301, Building 3, No. 31 Lixiang Road, Dalang Town, Dongguan City, Guangdong Province, China
Sample Receive Date:	Dec. 01.2025
Test Date:	Dec. 01.2025~Dec. 22, 2025
Applicable Standards:	MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules Section
Application Purpose	Original Grant

The above equipment has been tested by Guangdong KEYS Testing Technology Co., Ltd. and found compliance with the requirements in the technical standards mentioned above. The test results presented in this report only relate to the product/system tested. The other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.



Prepared by:

Evan Fang / Engineer



Approved by:

Bruce Zhang / Manager

2. GENERAL INFORMATION

2.1 Product Description for Equipment under Test (EUT)

EUT Description	Single Board Computer
Model No.	BPI-M4 ZERO
Model Lists	N/A
Input voltage	Type-C Input : DC 5V/3A
Radio Type	2.4GHz
Type of Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK
Operation Frequency	2402-2480MHz
Rated Power	BDR:0.05mW/MHz EDR:0.05mW/MHz
Antenna Type	External antenna
Antenna Gain	5.02dBi
Sample/EUT Status	Good condition
Battery	/

2.2 System Test Configuration

2.2.1 Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2441	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

2.2.2 EUT Exercise Software

Test software:Sending command by Serial port tool IPOP V4.1

During testing, Test Frequency was controlled by key and the output power level is default

Test Software	Engineer mode
Frequency (MHz)	Hopping
GFSK	default
$\pi/4$ -DQPSK	default
8DPSK	default

2.2.3 Support Equipment

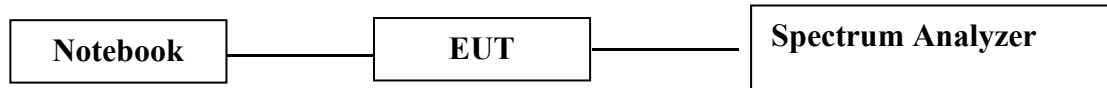
Guangdong KEYS Testing Technology Co.,Ltd.

Address: Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-22221088 <http://www.keys-lab.com> E-mail: info@keys-lab.com

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Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Thinkpad E14 Gen 2	SL11B03772

2.2.4 Block Diagram of Configuration



2.2.5 Test Voltage

The EUT has its own voltage regulator principle from LDO of chip AXP313A, the output voltage of the chip is 3.3V and the fluctuation of power supply to the RF circuit of EUT is equal to or less than +/- 1%. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

2.2.6 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 20~30°C
- Humidity: 25~75%
- Atmospheric pressure: 86-106 kPa

Test Item	Environmental Condition
Frequency Error	22.2°C,54%RH
Occupied Bandwidth and Spreading Bandwidth	22.2°C,54%RH
Spurious emission intensity	22.2°C,54%RH
Antenna Power Error and EIRP Antenna Power	22.2°C,54%RH
Secondary Spurious Emissions	22.2°C,54%RH
Frequency Hopping Dwell Time	22.2°C,54%RH
Interference Prevention Function	22.2°C,54%RH
Construction Protection Confirmation	22.2°C,54%RH

2.2.7 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2.8 Special Accessories

Not available for this EUT intended for grant.

2.3 Summary of Test Results

Article 2, Paragraph 1, Item 19	Ordinance Regulating Radio Equipment	Description of Test	Test result
	Article 5	Frequency Error	PASS
	Article 6	Occupied Bandwidth and Spreading Bandwidth	PASS
	Article 7	Spurious emission intensity	PASS
	Article 14&Article 49-20	Antenna Power Error and EIRP Antenna Power	PASS
	Article 24.2	Secondary Spurious Emissions	PASS
	Article 49-20	Transmission Antenna Gain	Not Applicable
	Article 49-20	Transmission Radiation Angle Width	Not Applicable
	Article 49-20	Carrier Sense	Not Applicable*
	Article 49-20	Frequency Hopping Dwell Time	PASS
	Article 9-4.5	Interference Prevention Function	PASS
	Article 49-20	Construction Protection Confirmation	PASS

Not Applicable

- This test item was not required

Not Applicable*

- Application to transmitting devices which E.I.R.P. is less than [2.14dBi+antenna power limit] and the shortage of E.I.R.P. is compensated by the antenna power.

- Application to transmitting devices with OFDM modulation and the occupied bandwidth greater than 26MHz.

Construction Protection Confirmation:Please refer to document "C5266098 X10 Ed.2 Japan Radio Protection Statement 9" for detail description about Protection Statement

2.4 List of Test and Measurement Instruments

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Spectrum Analyzer	Keysight	N9020A	KEYS-EL-238	Mar. 03, 2025	1 Year
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	KEYS-EL-236	Mar. 03, 2025	1 Year
DC Power	Agilent	E3632A	KEYS-EL-243	Mar. 03, 2025	1 Year
Signal Generator	Agilent	N 5182A	KEYS-EL-237	Mar. 03, 2025	1 Year
Power meter	Agilent	E4417A	KEYS-EL-260	May 17, 2025	1 Year
Power Probe	Agilent	E9304A	KEYS-EL-261	May 17, 2025	1 Year
Temperature & Humidity Meter	Beichuang	HTC-1	KEYS-EL-226	Mar. 03, 2025	1 Year

Note:

The body that the calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1). For all equipment in the above table, the calibration company is CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd.

2.5 Measurement Uncertainty

Uncertainty	
Parameter	Uncertainty
Radio frequency	± 0.12 ppm
Occupied Channel Bandwidth	± 142.12 kHz
RF power conducted	± 0.74 dB
RF power density test	± 1.28 dB
Spurious emissions, conducted	± 1.78 dB
Humidity	$\pm 4.6\%$
Temperature	$\pm 0.7^{\circ}\text{C}$
Time	$\pm 1.25\%$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$

3. Frequency Error Measurement Limit

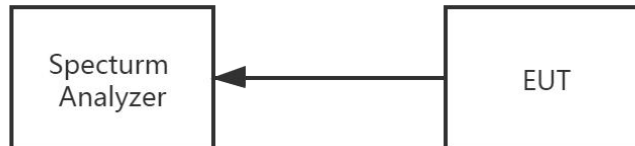
Standard	Item	Limit
Article 2-1 Item 19	Tolerance of Frequency	± 50 ppm or less

3.2 Test Procedures

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
 SPAN : 500kHz
 RBW : 10kHz
 VBW : 10kHz
 Sweep Time : Auto
 Detector Mode : Peak
 Display Mode : Max Hold

3.3 Test Setup



3.4 Test Result

Please refer to following tables.

Condition	Mode	Ch.	Center Frequency (MHz)	Measured Value (MHz)	Result (ppm)	Limit (ppm)	Result
NT/NV	8DPSK(CW)	0	2402	2402.0509450	21.21	± 50	PASS
NT/NV	8DPSK(CW)	39	2441	2441.0519200	21.27	± 50	PASS
NT/NV	8DPSK(CW)	78	2480	2480.0525451	21.19	± 50	PASS

Test Graphs

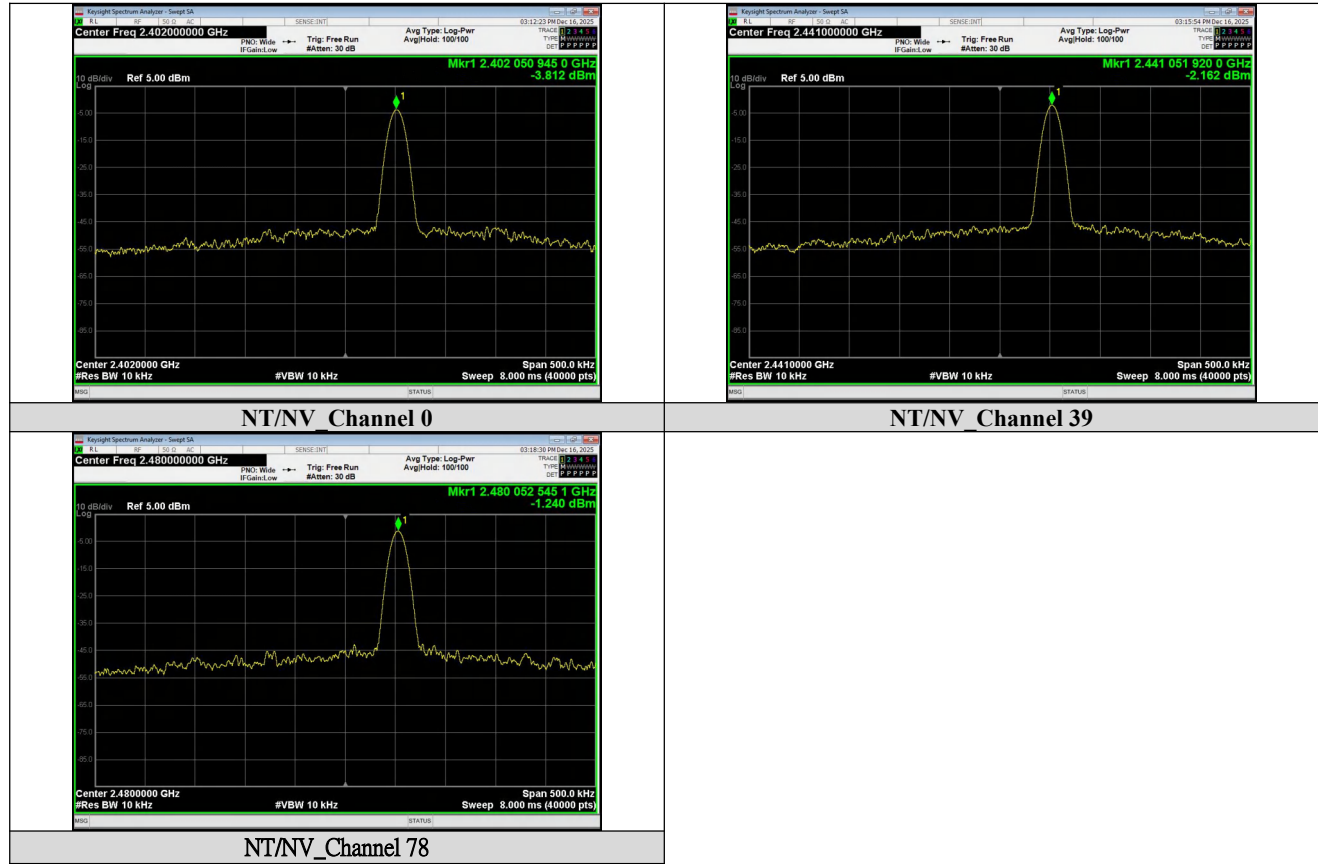


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NT/NV



4. Occupied Bandwidth (99%) and Spreading BandwidthLimit

Occupied Bandwidth

Standard	Type	Limit
Article 2-1 Item 19	FHSS	$\leq 83.5\text{MHz}$
	DSSS	$\leq 26\text{MHz}$
	OFDM	$\leq 38\text{MHz}$
	others	$\leq 26\text{MHz}$

Spreading Bandwidth

Standard	Item	Limit
Article 2-1 Item 19	Spreading Bandwidth	/

4.2 Measurement Procedure

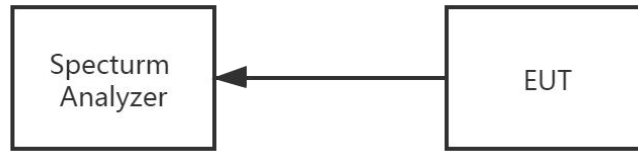
- Connect EUT antenna terminal to the Spectrum Analyzer.
The modulation state shall be "continuous frequency-hopping m ode" by spread spectrum.
- Set Spectrum Analyzer as below:

Occupied Bandwidth

Frequency : Test Frequency
SPAN : (OBW limit * 3) MHz (example; 200MHz)
RBW : 300kHz
VBW : 300kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

Frequency : Test Frequency
SPAN : (Spreading Bandwidth
limit * 3) MHz (example; 200MHz)
RBW : 300kHz
VBW : 300kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

4.3 Test Setup



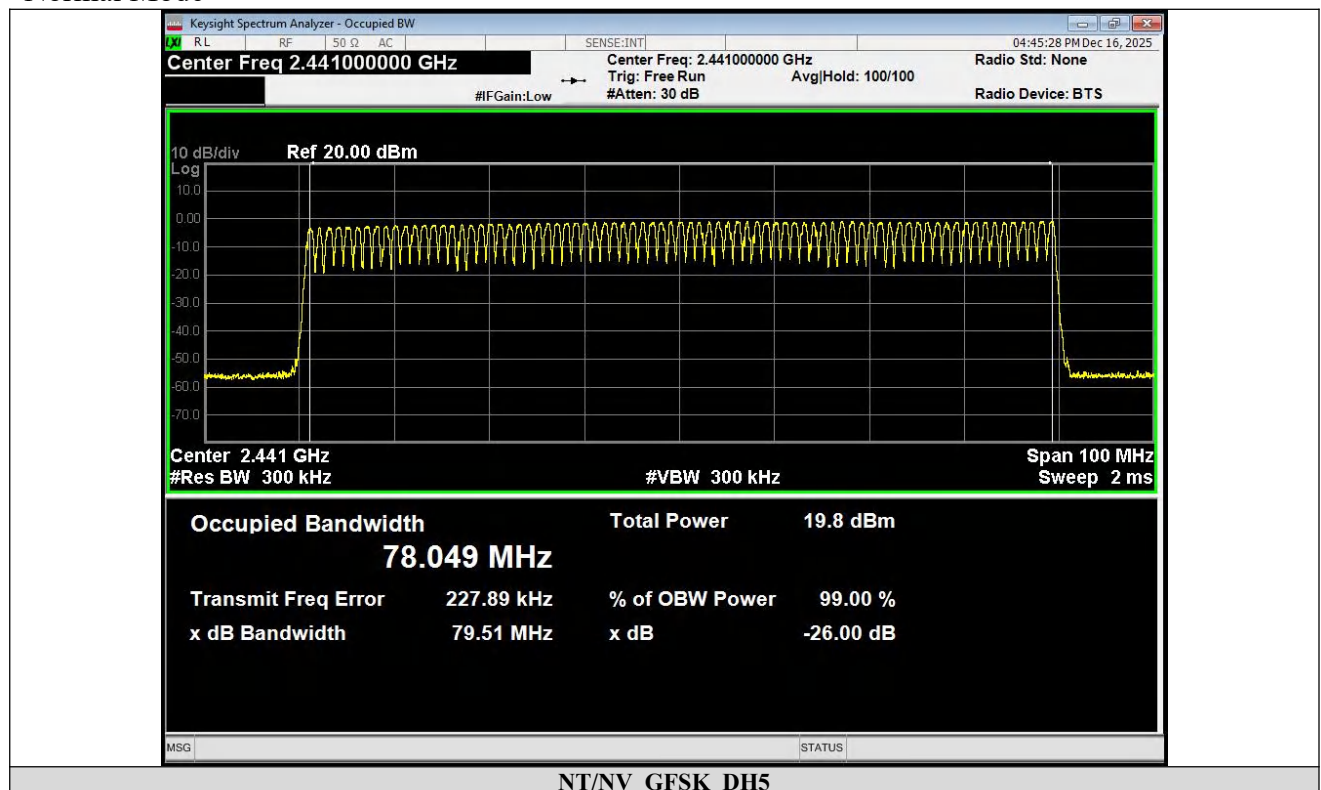
4.4 Test Result

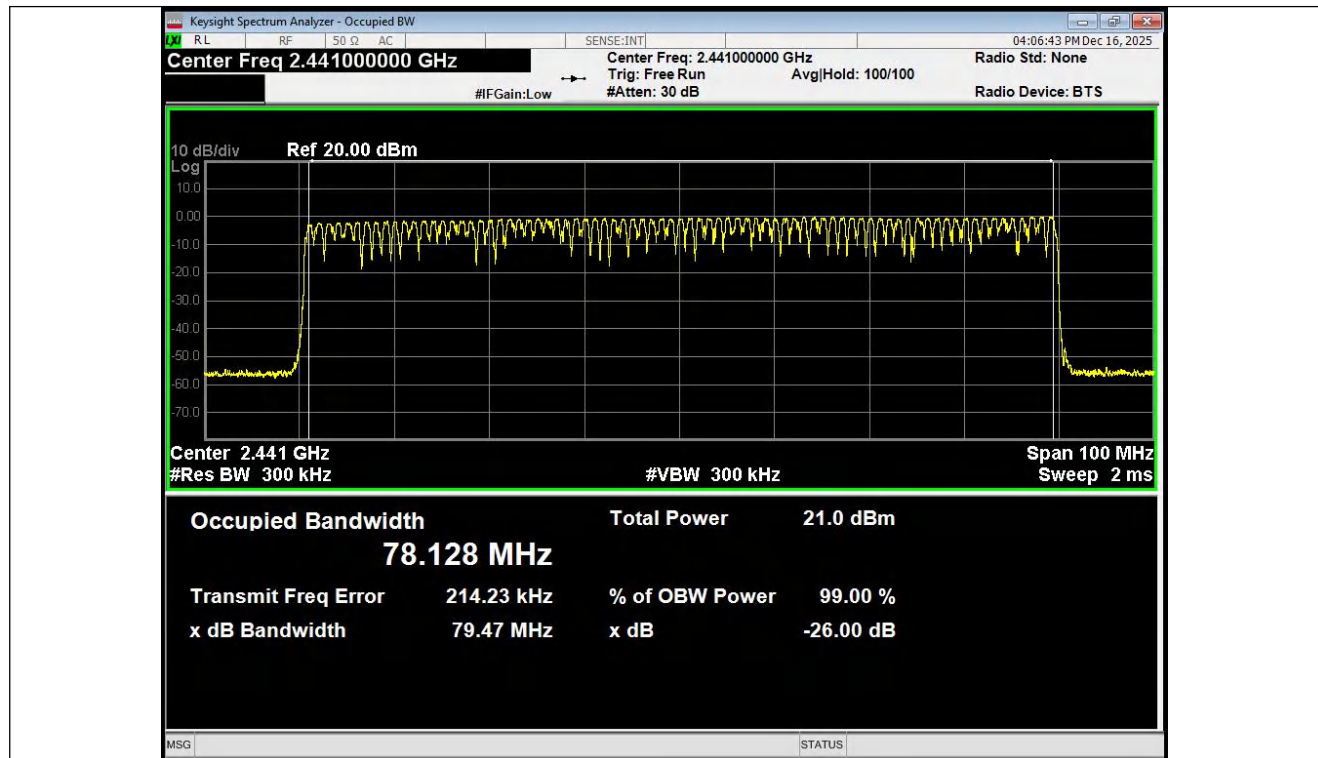
Please refer to following tables and plots.

Occupied Bandwidth

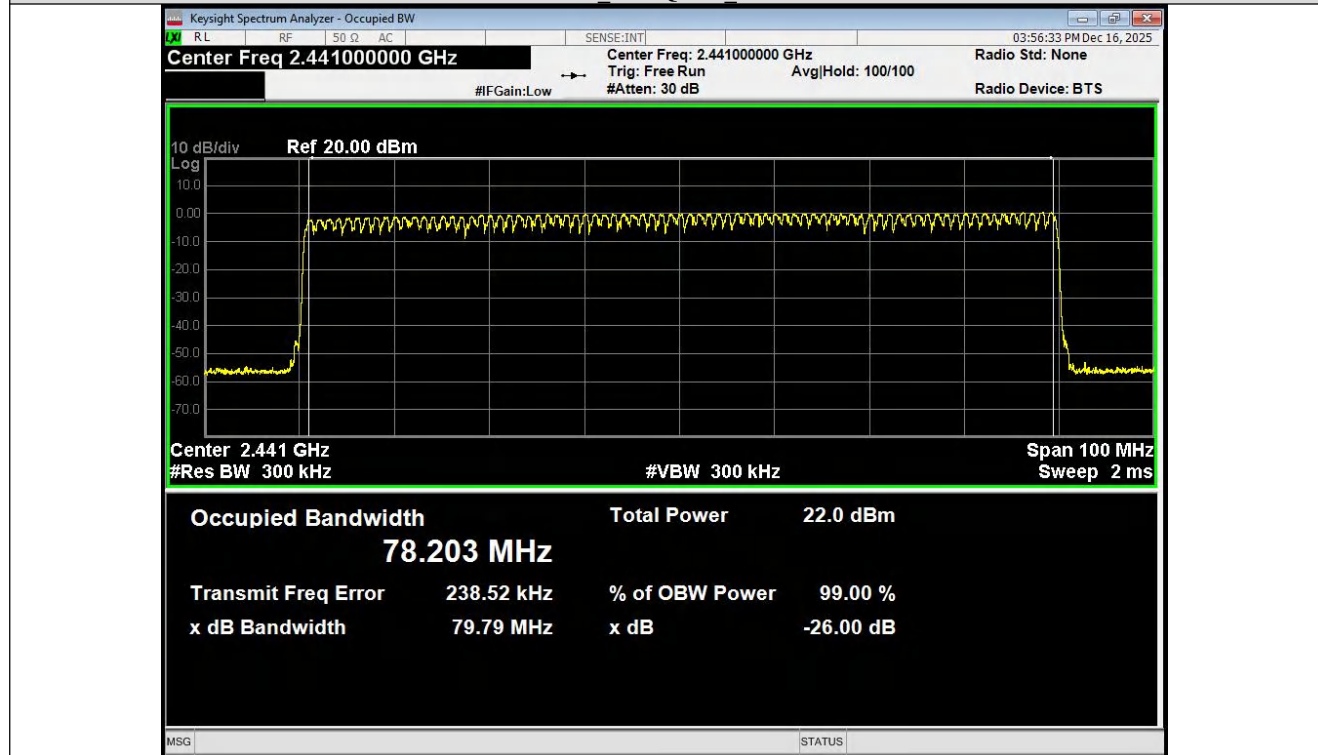
Condition	Modulation	99% BW (MHz)	Limit (MHz)	Result
NT/NV	GFSK_DH5	78.049	83.5	PASS
	$\pi/4$ DQPSK_2-DH5	78.128		PASS
	8DPSK_3-DH5	78.203		PASS

Test Graphs Normal Mode





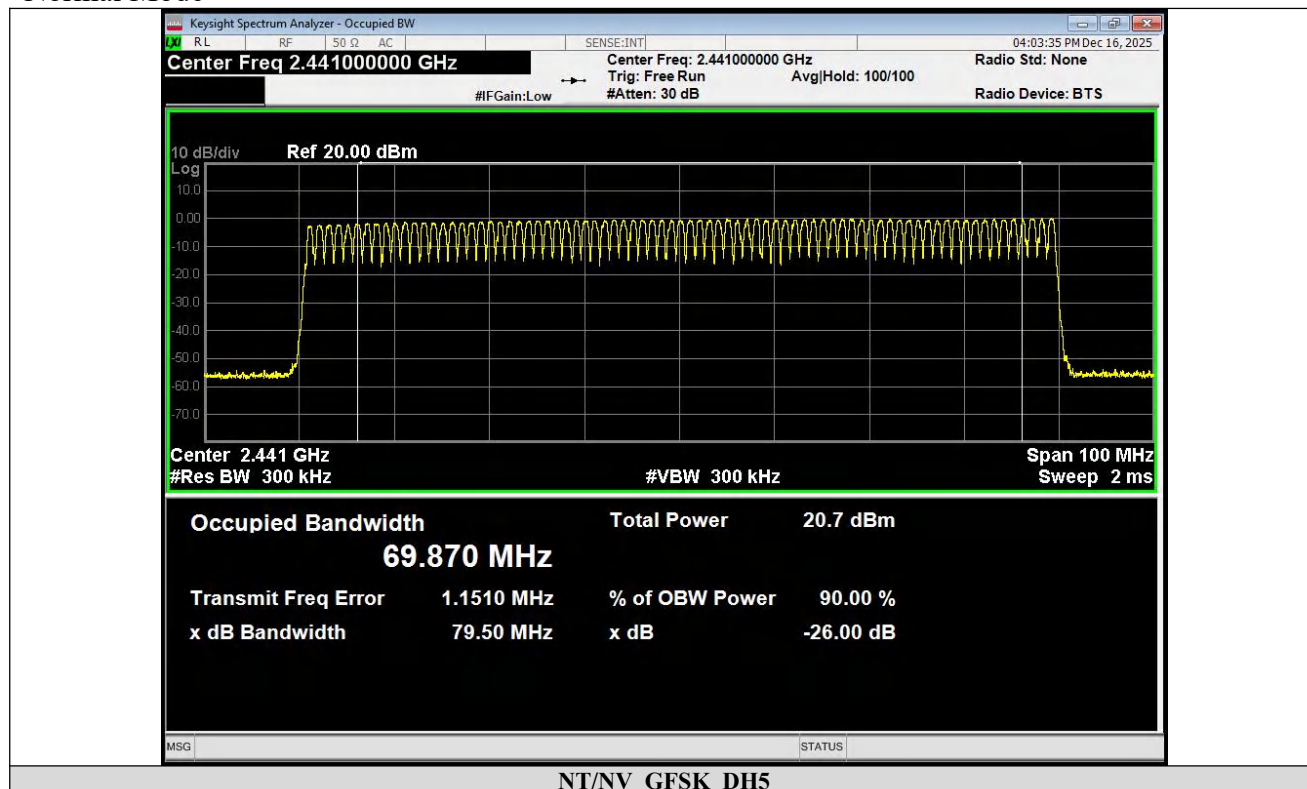
NT/NV $\pi/4$ DQPSK 2-DH5

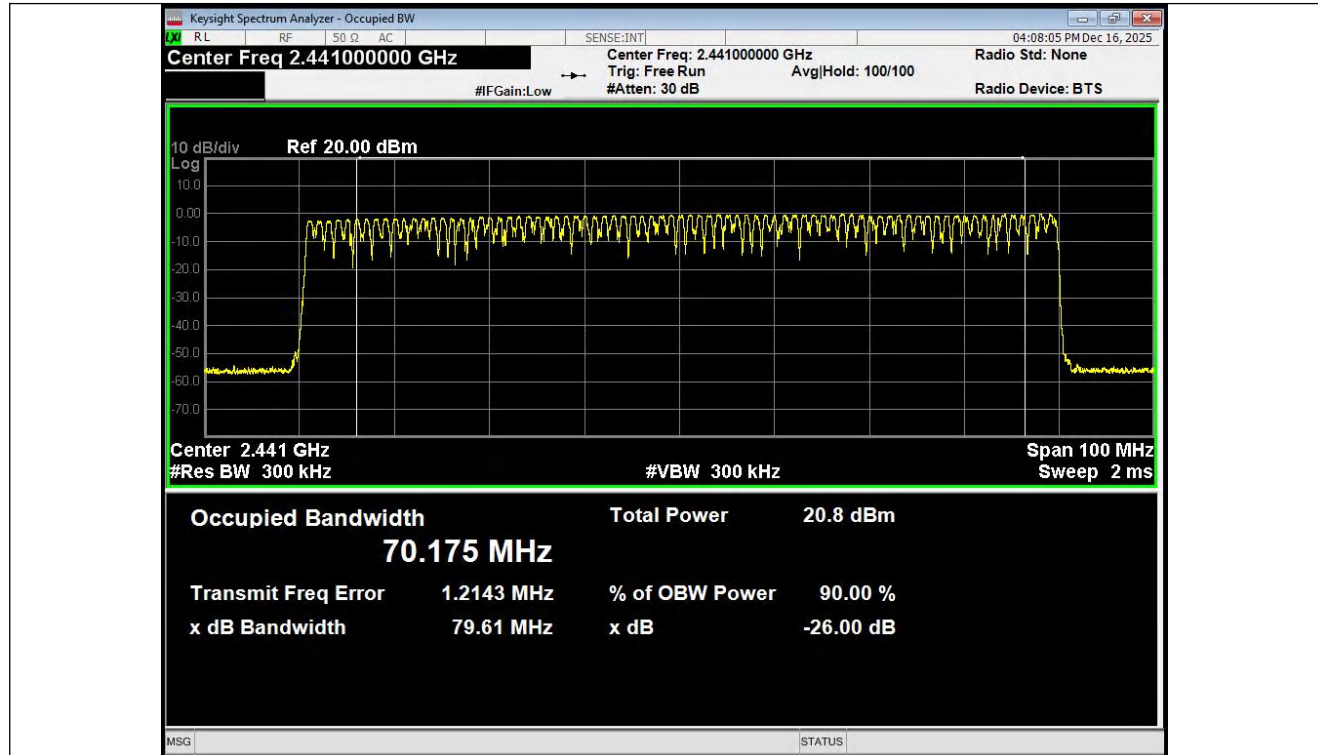


NT/NV 8DPSK 3-DH5

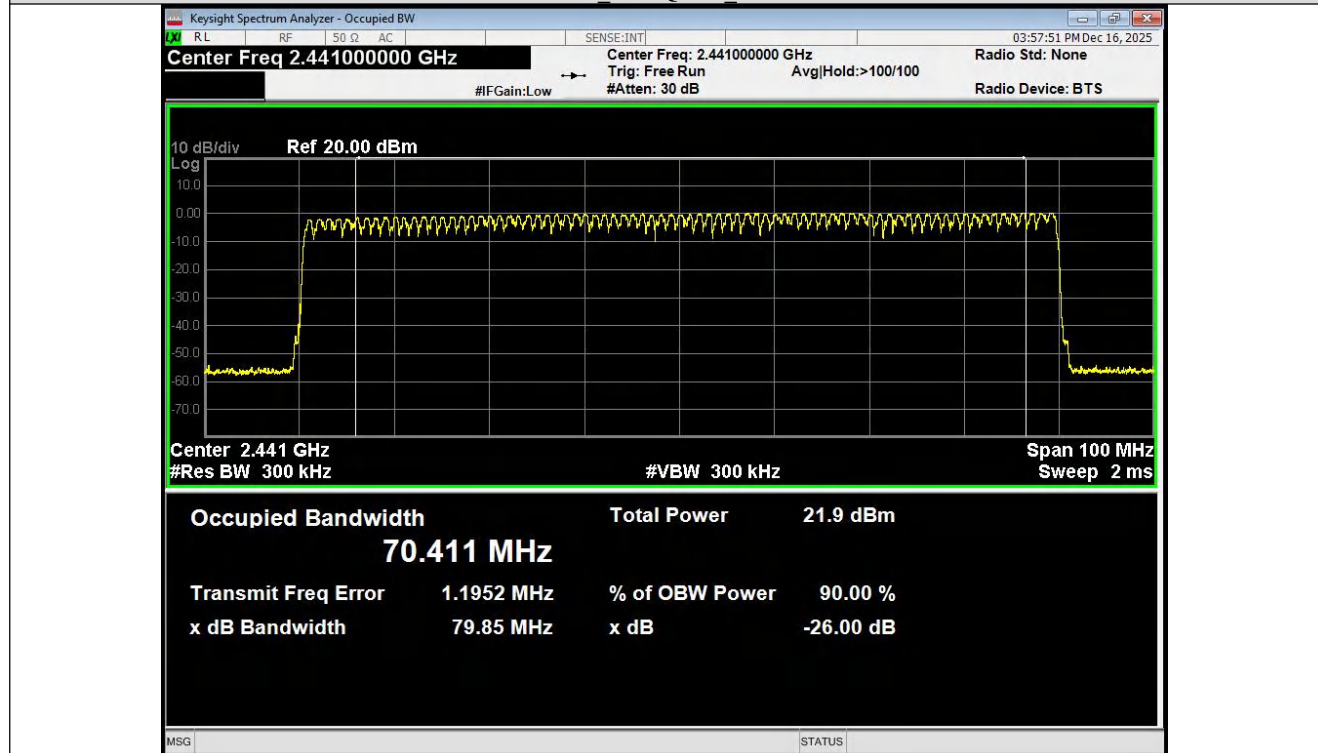
**Spreading Bandwidth**

Condition	Mode	90% SBW (MHz)	Spreading factor	Result
NT/NV	GFSK_DH5	69.870	69.870	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	70.175	35.088	PASS
NT/NV	8DPSK_3-DH5	70.411	23.470	PASS

Test Graphs**Normal Mode**



NT/NV $\pi/4$ DQPSK 2-DH5



NT/NV 8DPSK 3-DH5

5. Spurious Emission IntensityLimit

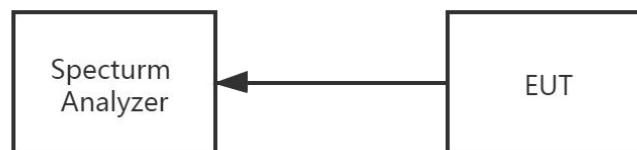
Standard	Item	Frequency	Limit
Article 2-1 Item 19	TX Spurious Emission	30 - 1000MHz	2.5 μ W/MHz
		1000 - 2387MHz	2.5 μ W/MHz
		2387 - 2400MHz	25 μ W/MHz
		2483.5 - 2496.5MHz	25 μ W/MHz
		2496.5MHz - 12.5GHz	2.5 μ W/MHz

5.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : 30- 1000MHz;
 1000 - 2387MHz;
 2387-2400MHz;
 2483.5-2496.5MHz;
 2496.5MHz-12.5GHz
 RBW : 100kHz for Below 1GHz
 1MHz for Above 1GHz
 VBW : 100kHz for Below 1GHz
 1MHz for Above 1GHz
 Sweep Time : Auto
 Detector Mode : Peak
 Display Mode : Max Hold

5.3 Test Setup



5.4 Test Result

Please refer to following table and plots.

Normal Voltage

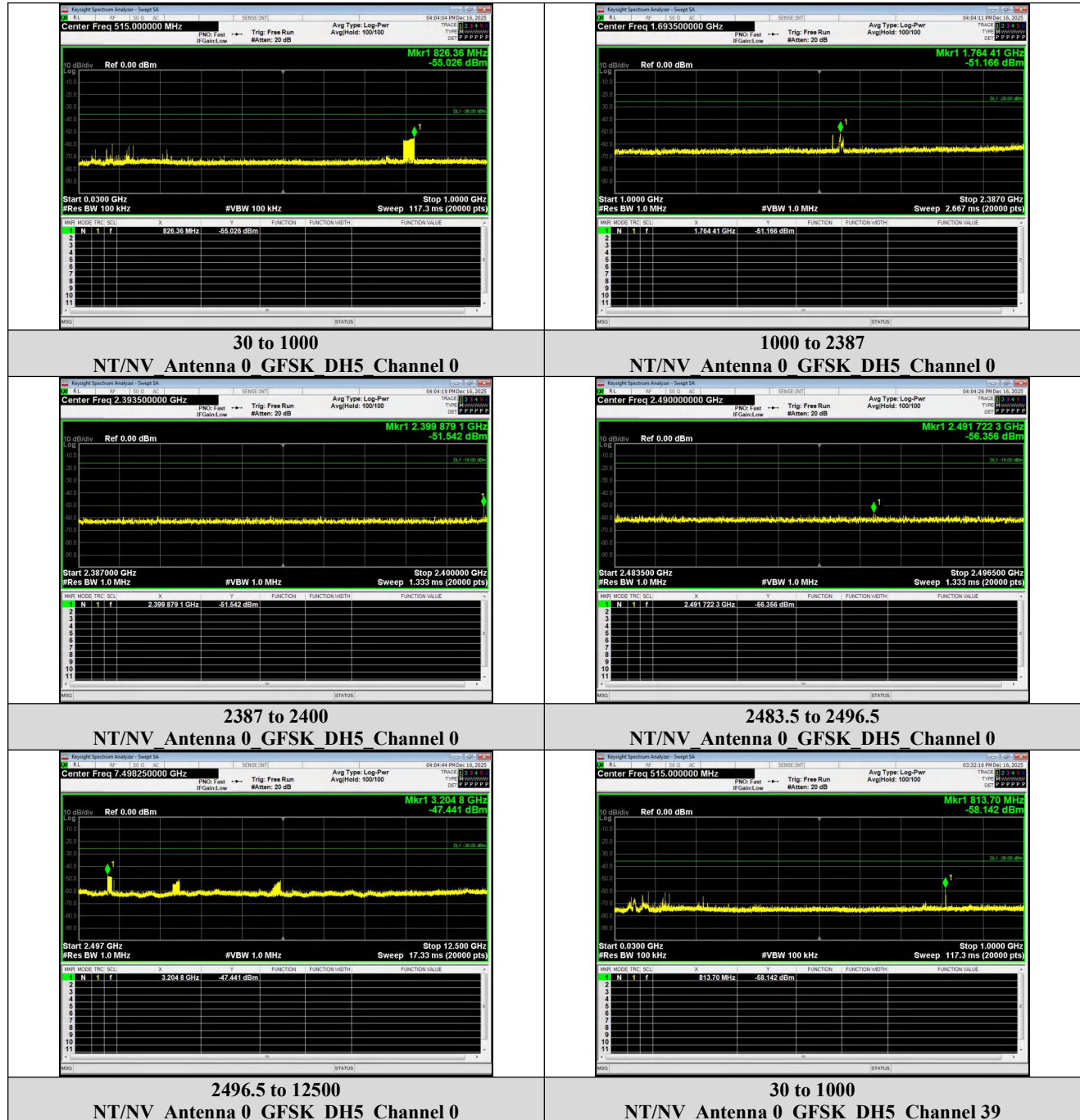


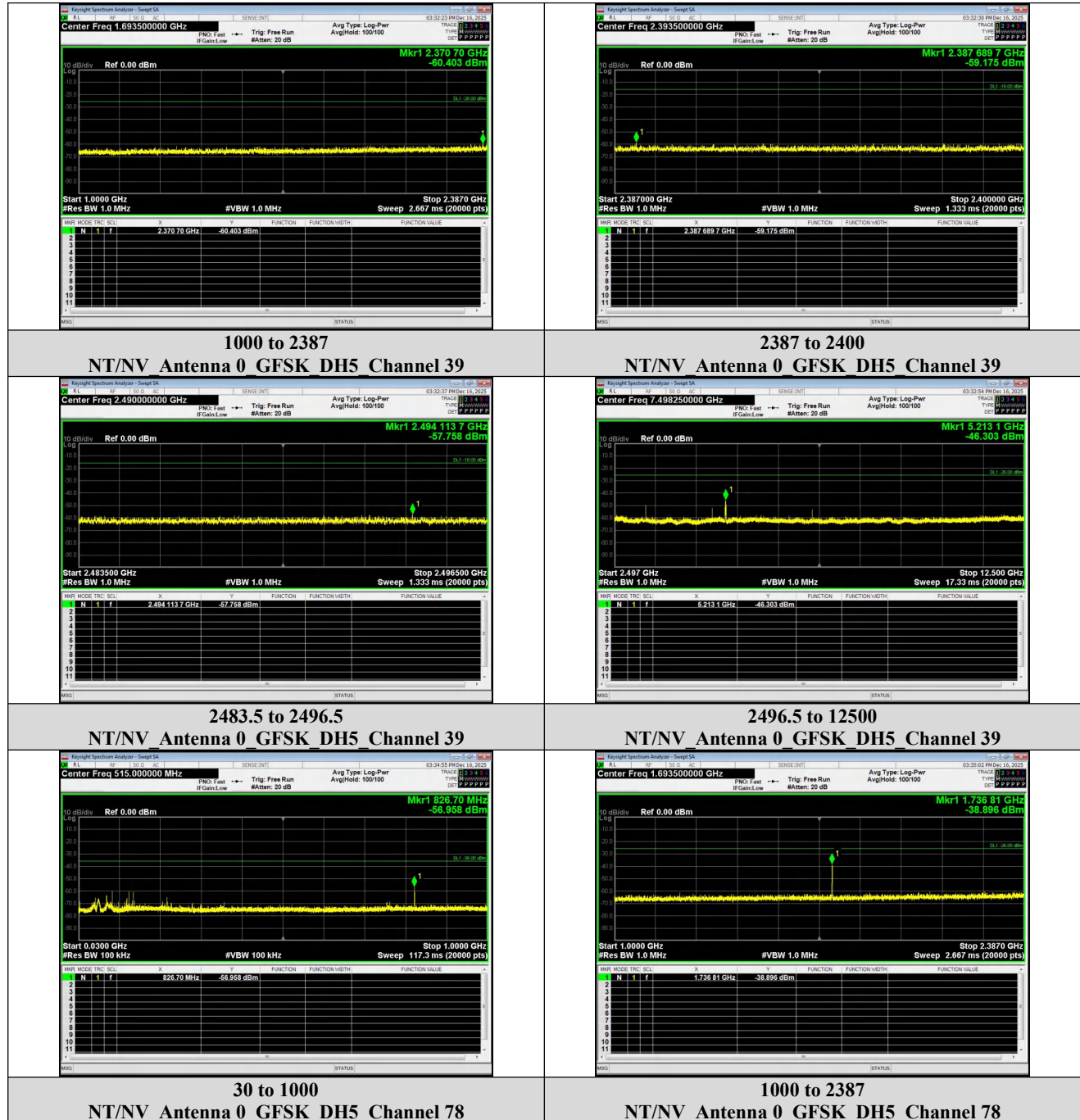
ENV	Mode	Channel	Range	Peak (MHz)	Emission (dBm/MHz)	Emission (uW/MHz)	Limit (uW/MHz)	Result
NT/NV	GFSK_DH5	0	30 to 1000	826.36	-55.026	0.03143	2.5	PASS
NT/NV	GFSK_DH5	0	1000 to 2387	1764.41	-51.166	0.007645	2.5	PASS
NT/NV	GFSK_DH5	0	2387 to 2400	2399.88	-51.542	0.007011	25	PASS
NT/NV	GFSK_DH5	0	2483.5 to 2496.5	2491.72	-56.356	0.002314	25	PASS
NT/NV	GFSK_DH5	0	2496.5 to 12500	3204.78	-47.441	0.018026	2.5	PASS
NT/NV	GFSK_DH5	39	30 to 1000	813.7	-58.142	0.01534	2.5	PASS
NT/NV	GFSK_DH5	39	1000 to 2387	2370.7	-60.403	0.000911	2.5	PASS
NT/NV	GFSK_DH5	39	2387 to 2400	2387.69	-59.175	0.001209	25	PASS
NT/NV	GFSK_DH5	39	2483.5 to 2496.5	2494.11	-57.758	0.001676	25	PASS
NT/NV	GFSK_DH5	39	2496.5 to 12500	5213.09	-46.303	0.023426	2.5	PASS
NT/NV	GFSK_DH5	78	30 to 1000	826.7	-56.958	0.02015	2.5	PASS
NT/NV	GFSK_DH5	78	1000 to 2387	1736.81	-38.896	0.128944	2.5	PASS
NT/NV	GFSK_DH5	78	2387 to 2400	2393.94	-59.212	0.001199	25	PASS
NT/NV	GFSK_DH5	78	2483.5 to 2496.5	2484.16	-50.939	0.008056	25	PASS
NT/NV	GFSK_DH5	78	2496.5 to 12500	4960.99	-50.319	0.009292	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	0	30 to 1000	826.7	-54.008	0.03974	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	0	1000 to 2387	1758.24	-56.904	0.00204	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	0	2387 to 2400	2398.59	-53.421	0.004549	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	0	2483.5 to 2496.5	2483.78	-56.881	0.002051	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	0	2496.5 to 12500	3204.78	-47.287	0.018677	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	39	30 to 1000	704.09	-52.387	0.05772	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	39	1000 to 2387	2338.59	-58.818	0.001313	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	39	2387 to 2400	2390.34	-58.815	0.001314	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	39	2483.5 to 2496.5	2489.13	-57.114	0.001944	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	39	2496.5 to 12500	3255.3	-49.787	0.010503	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	78	30 to 1000	826.8	-56.766	0.02106	2.5	PASS

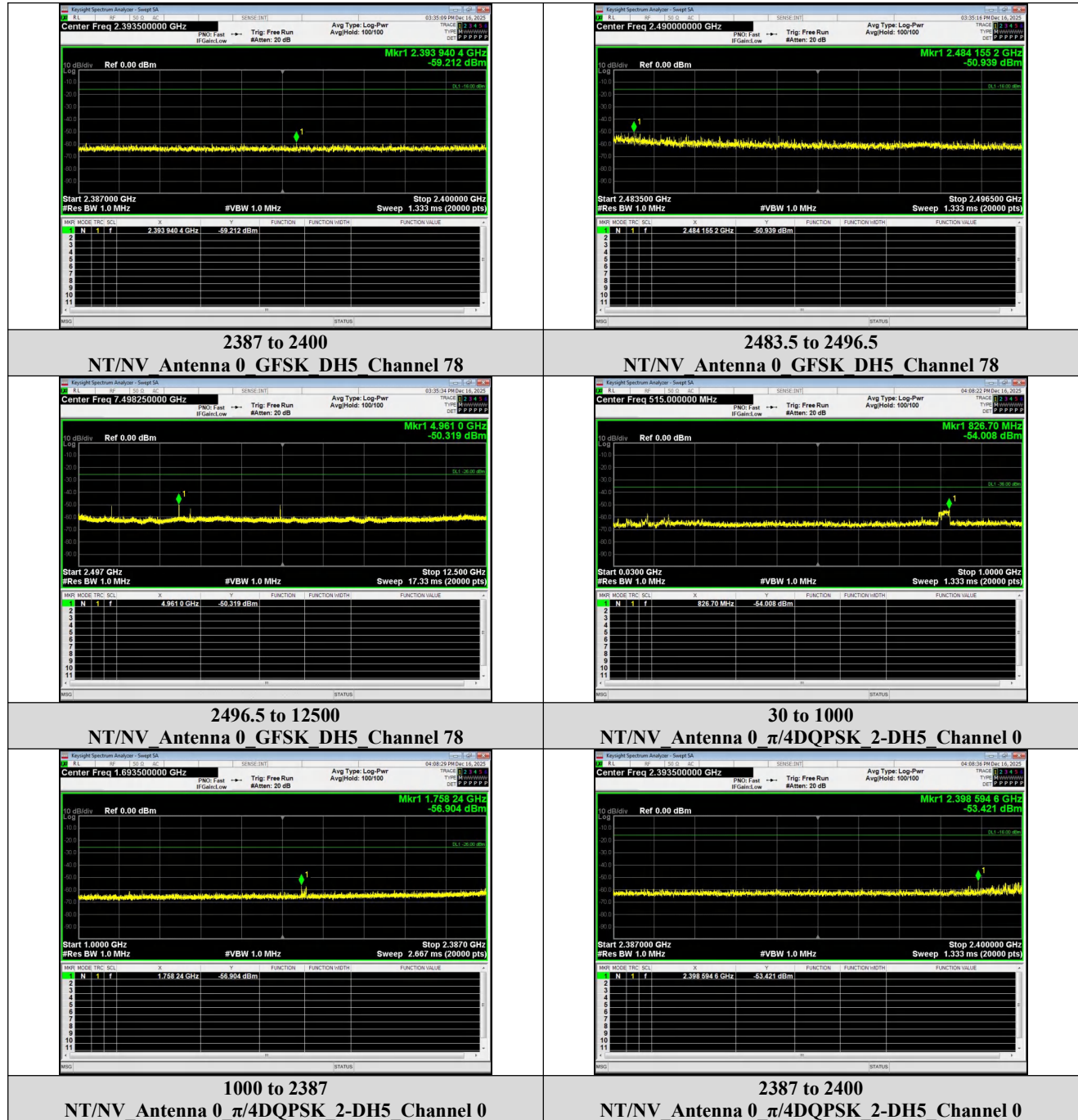


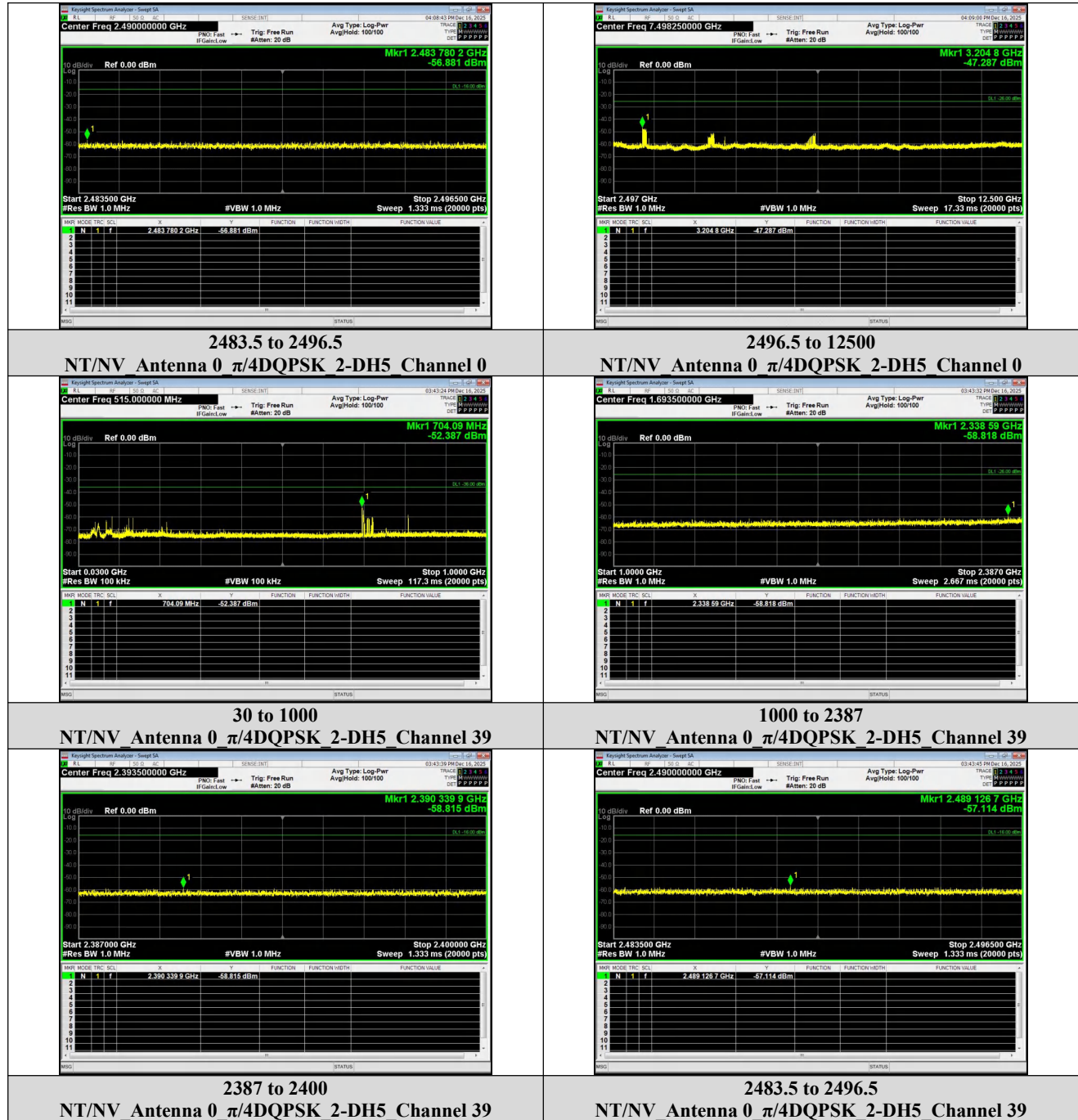
NT/NV	$\pi/4$ DQPSK_2-DH5	78	1000 to 2387	2367.72	-59.679	0.001077	2.5	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	78	2387 to 2400	2387.35	-58.544	0.001398	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	78	2483.5 to 2496.5	2483.68	-50.212	0.009524	25	PASS
NT/NV	$\pi/4$ DQPSK_2-DH5	78	2496.5 to 12500	5242.1	-46.388	0.022972	2.5	PASS
NT/NV	8DPSK_3-DH5	0	30 to 1000	817.68	-55.862	0.02593	2.5	PASS
NT/NV	8DPSK_3-DH5	0	1000 to 2387	2379.72	-59.48	0.001127	2.5	PASS
NT/NV	8DPSK_3-DH5	0	2387 to 2400	2396.91	-57.432	0.001806	25	PASS
NT/NV	8DPSK_3-DH5	0	2483.5 to 2496.5	2483.68	-54.082	0.003907	25	PASS
NT/NV	8DPSK_3-DH5	0	2496.5 to 12500	3209.79	-47.659	0.017144	2.5	PASS
NT/NV	8DPSK_3-DH5	39	30 to 1000	110.03	-59.332	0.01166	2.5	PASS
NT/NV	8DPSK_3-DH5	39	1000 to 2387	2114.51	-60.242	0.000946	2.5	PASS
NT/NV	8DPSK_3-DH5	39	2387 to 2400	2389.2	-59.518	0.001117	25	PASS
NT/NV	8DPSK_3-DH5	39	2483.5 to 2496.5	2485.48	-57.611	0.001733	25	PASS
NT/NV	8DPSK_3-DH5	39	2496.5 to 12500	3419.87	-39.537	0.11125	2.5	PASS
NT/NV	8DPSK_3-DH5	78	30 to 1000	827.38	-55.895	0.02573	2.5	PASS
NT/NV	8DPSK_3-DH5	78	1000 to 2387	1999.45	-59.928	0.001017	2.5	PASS
NT/NV	8DPSK_3-DH5	78	2387 to 2400	2388.57	-59.091	0.001233	25	PASS
NT/NV	8DPSK_3-DH5	78	2483.5 to 2496.5	2484.41	-50.731	0.008451	25	PASS
NT/NV	8DPSK_3-DH5	78	2496.5 to 12500	3402.36	-35.921	0.2558	2.5	PASS

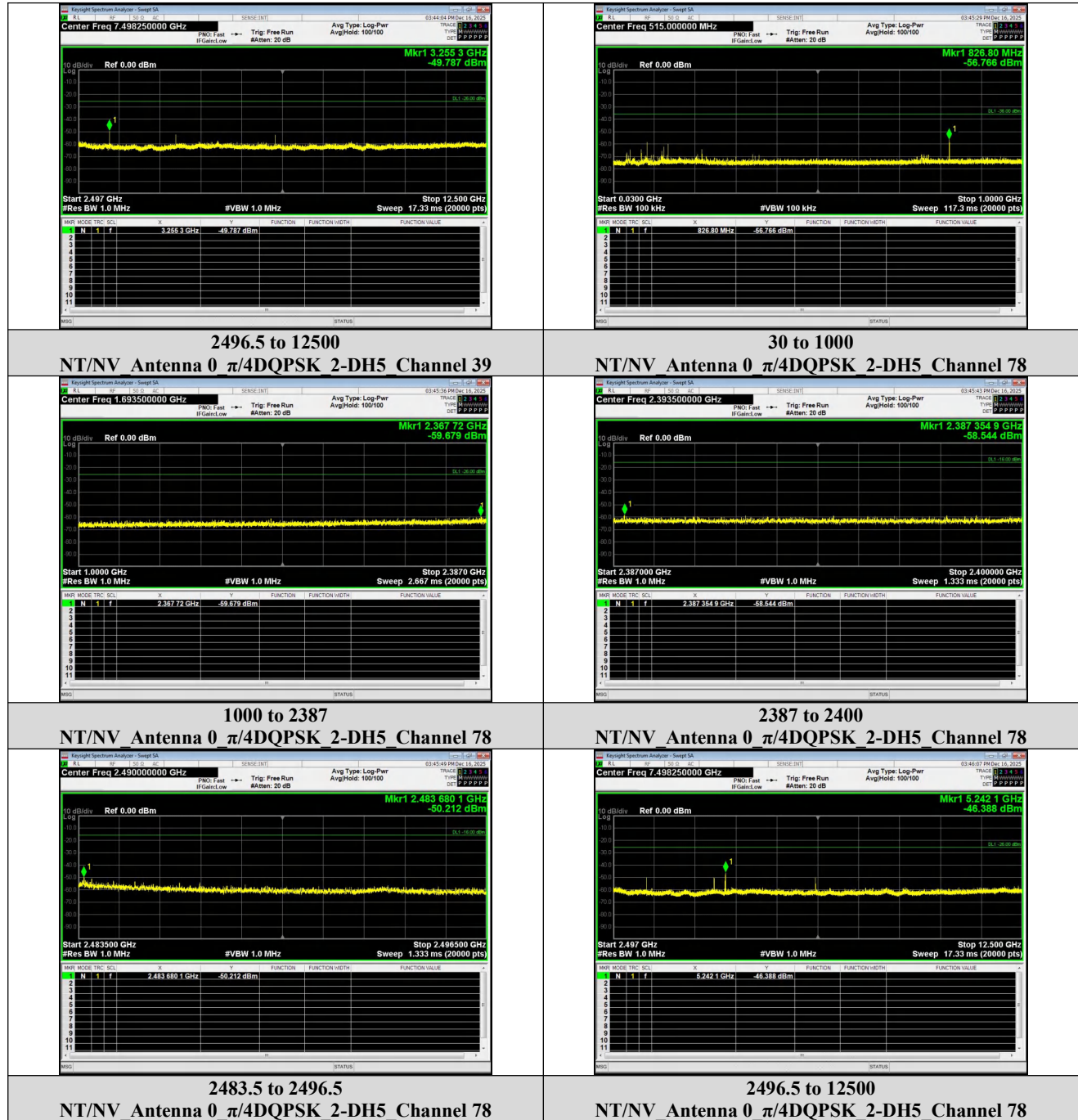
Test Graphs

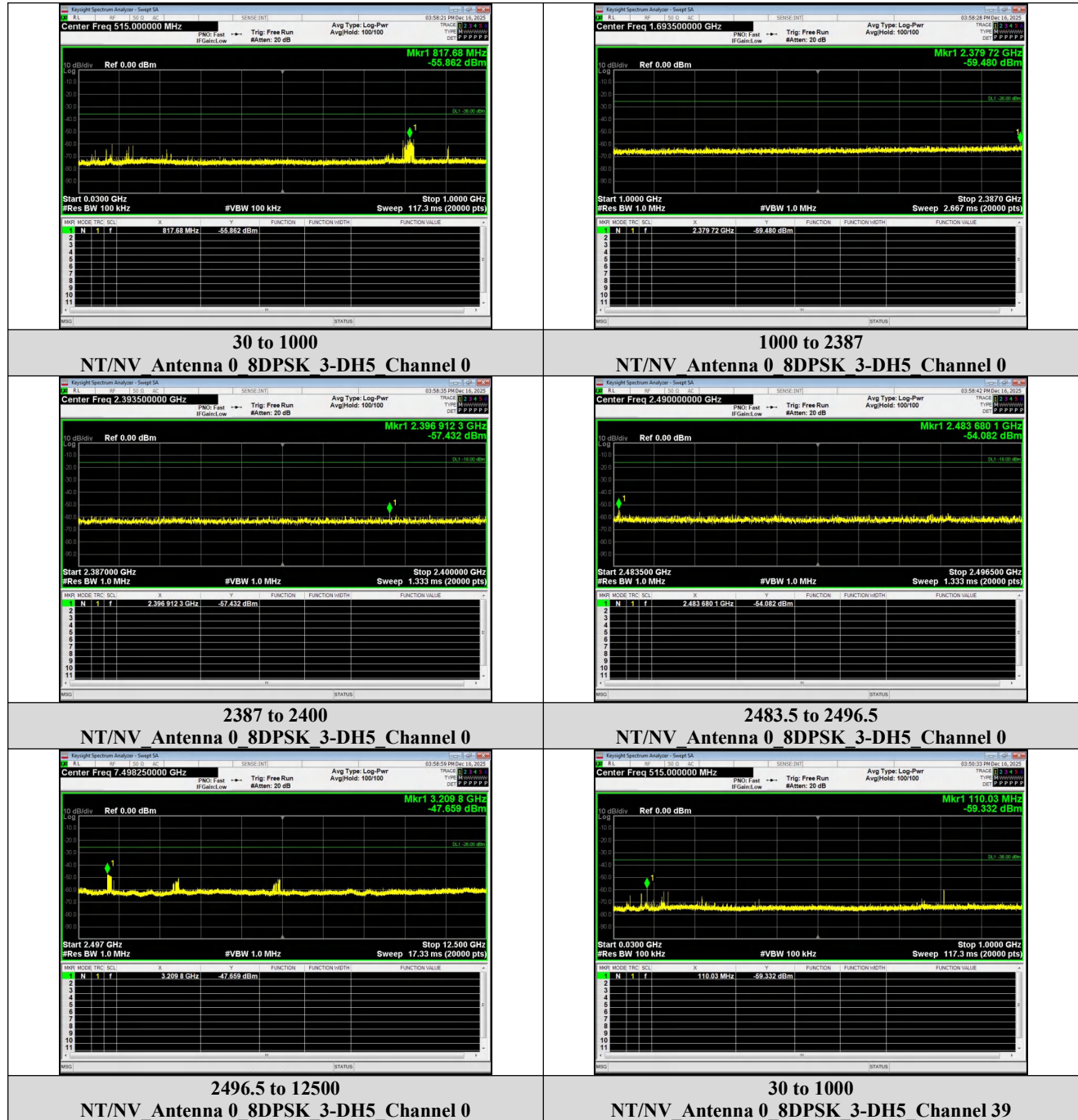


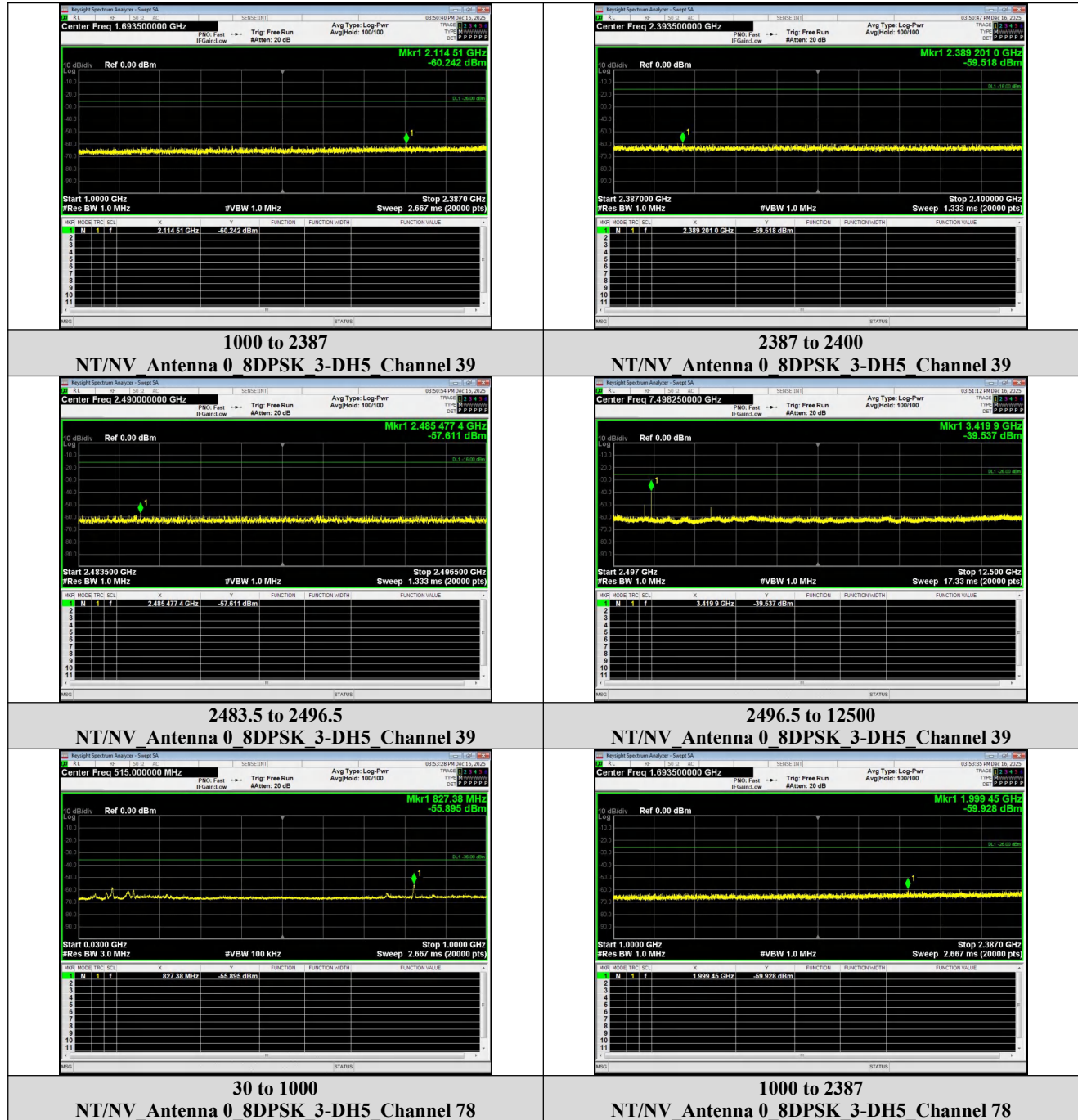


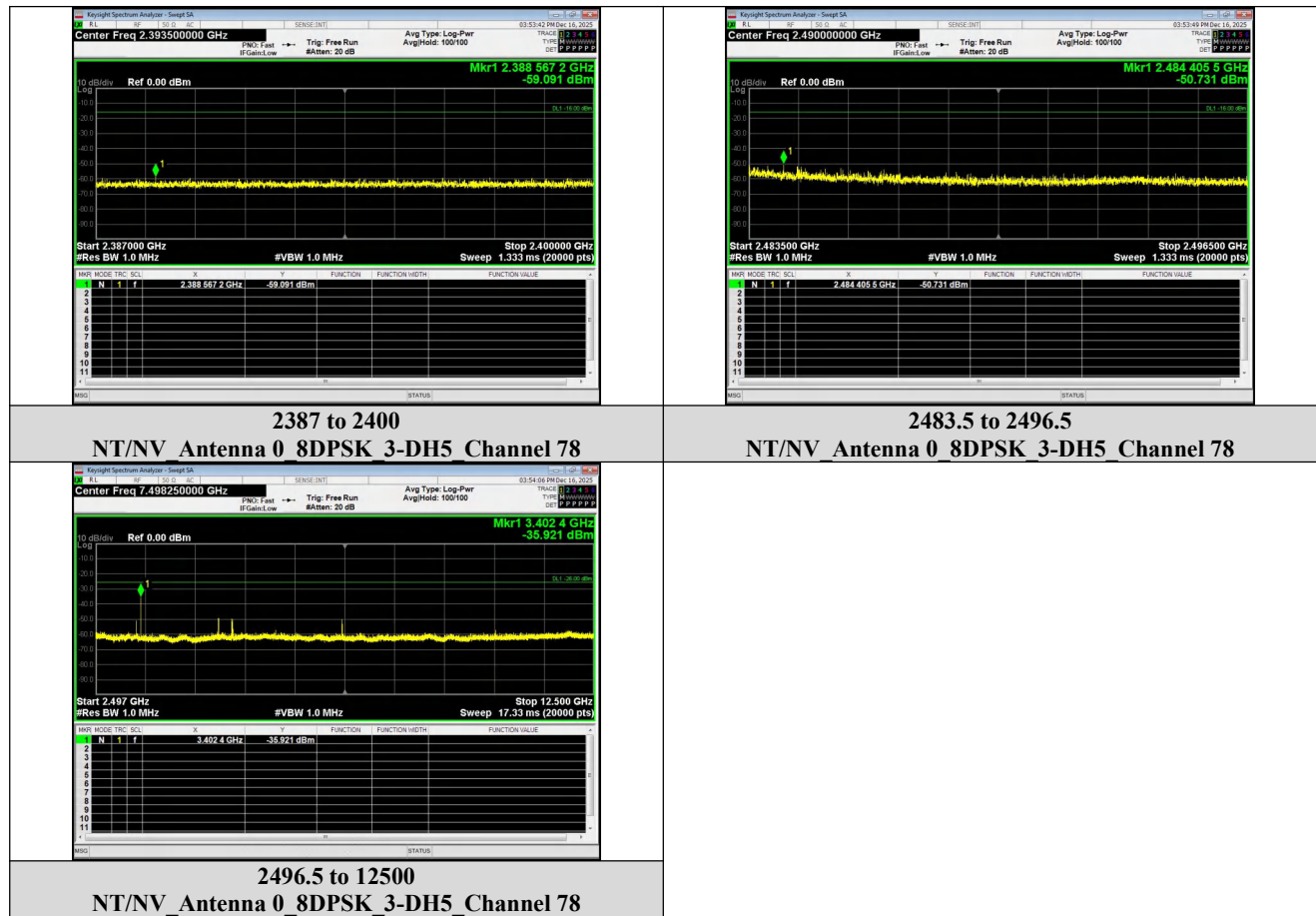












6. Secondary Spurious Emissions Limit

Standard	Item	Frequency	Limit
Article 2-1 Item 19	Spurious Emission	Below 1GHz	4nW/-54dBm
		Above 1GHz	20nW/-47dBm

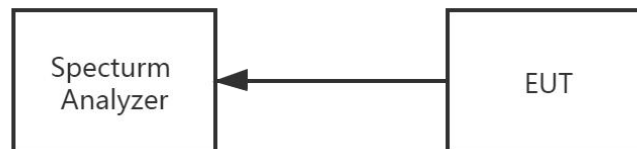
6.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.

- Set Spectrum Analyzer as below:

Frequency : Below 1GHz(30MHz-1GHz)
Above 1GHz(1-12.5GHz)
RBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
VBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

6.3 Test Setup



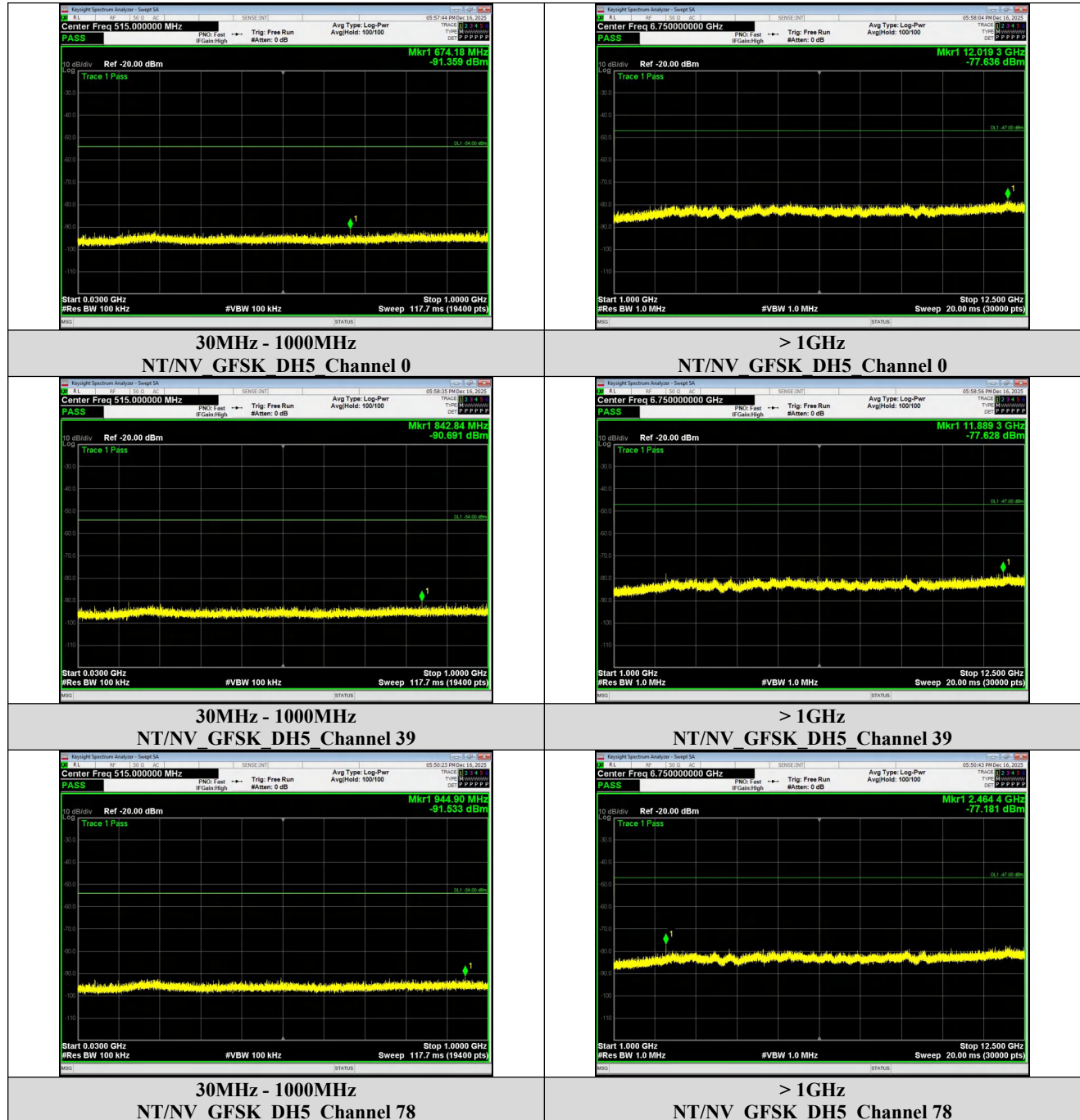
6.4 Test Result

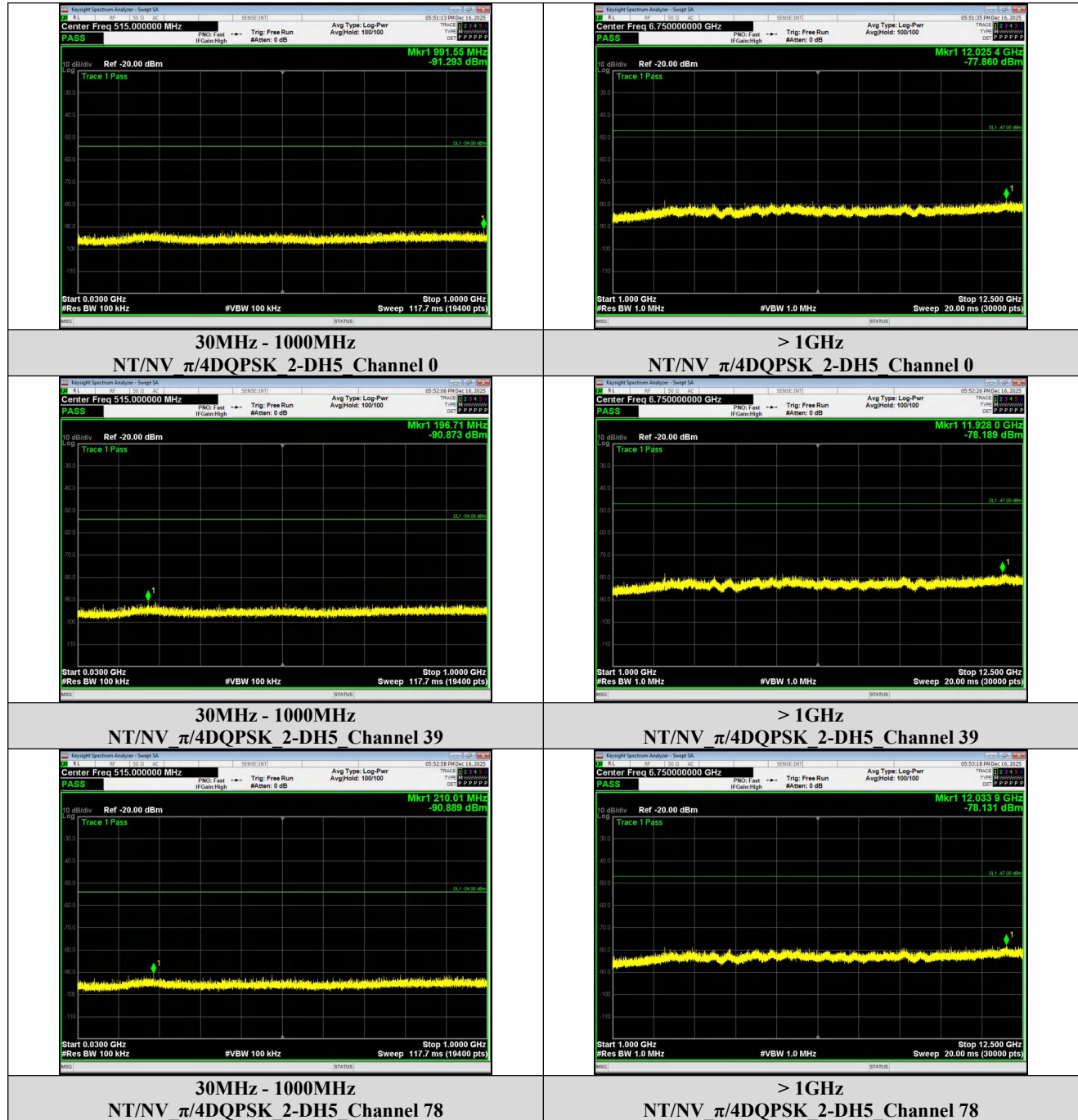
Please refer to following table and plots.

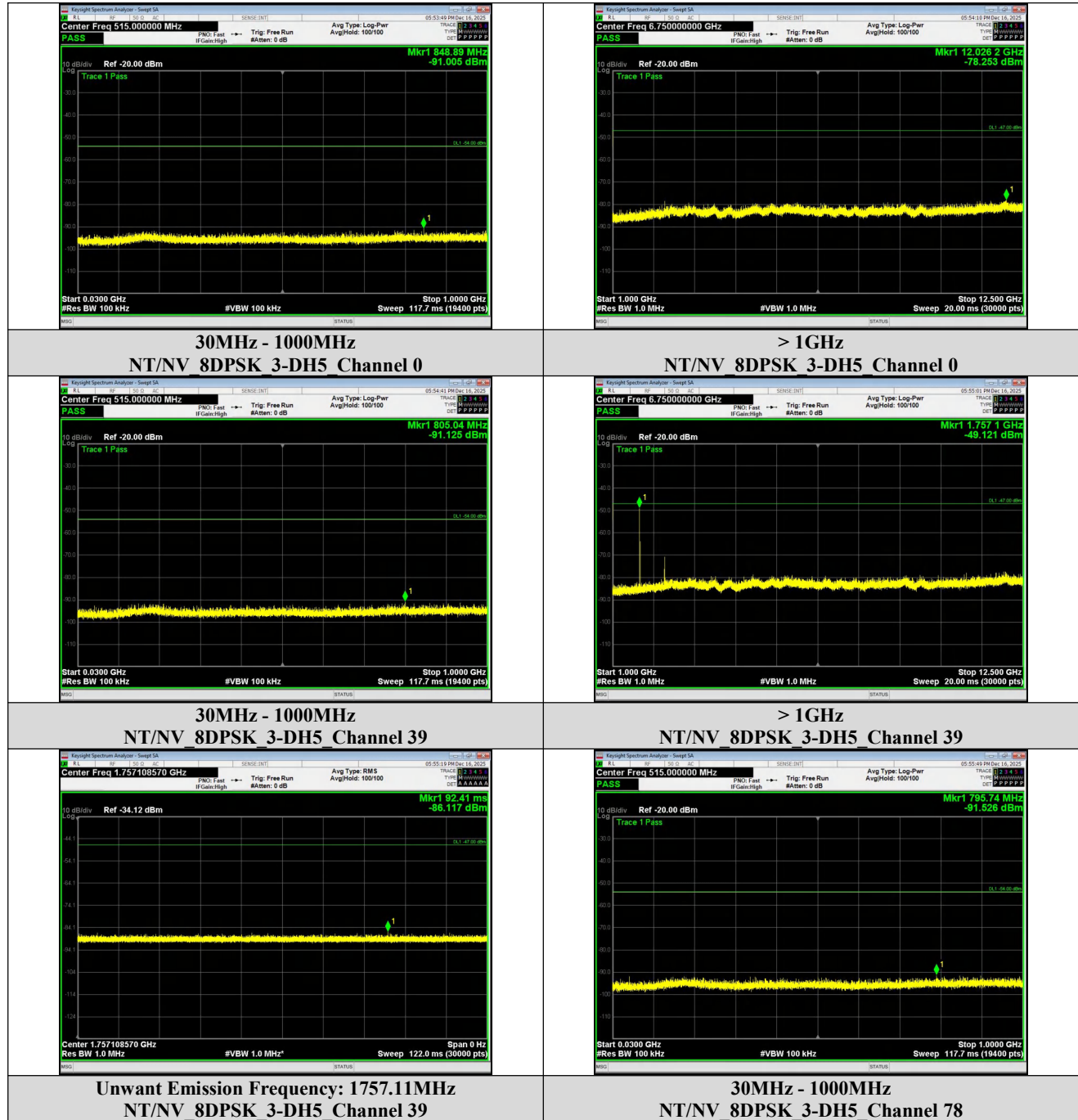
Condition	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
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				(MHz)				
NVNT	GFSK	2402	30- 1000	674.18	-91.359	0.0007	4	Pass
NVNT	GFSK	2402	1000-12500	12019.3	-77.636	0.02	20	Pass
NVNT	GFSK	2441	30- 1000	842.84	-90.691	0.0009	4	Pass
NVNT	GFSK	2441	1000-12500	11889.3	-77.627	0.02	20	Pass
NVNT	GFSK	2480	30- 1000	944.9	-91.533	0.0007	4	Pass
NVNT	GFSK	2480	1000-12500	2464.4	-77.181	0.02	20	Pass
NVNT	$\pi/4$ DQPSK	2402	30- 1000	991.55	-91.293	0.0007	4	Pass
NVNT	$\pi/4$ DQPSK	2402	1000-12500	12025.4	-77.860	0.02	20	Pass
NVNT	$\pi/4$ DQPSK	2441	30- 1000	196.71	-90.873	0.0008	4	Pass
NVNT	$\pi/4$ DQPSK	2441	1000-12500	11928.0	-78.189	0.02	20	Pass
NVNT	$\pi/4$ DQPSK	2480	30- 1000	210.01	-90.889	0.0008	4	Pass
NVNT	$\pi/4$ DQPSK	2480	1000-12500	12033.9	-78.131	0.02	20	Pass
NVNT	8DPSK	2402	30- 1000	848.89	-91.005	0.0008	4	Pass
NVNT	8DPSK	2402	1000-12500	12026.2	-78.253	0.01	20	Pass
NVNT	8DPSK	2441	30- 1000	805.4	-91.125	0.0008	4	Pass
NVNT	8DPSK	2441	1000-12500	1757.1	-86.117	0.00	20	Pass
NVNT	8DPSK	2480	30- 1000	92.41	-91.526	0.0007	4	Pass
NVNT	8DPSK	2480	1000-12500	795.74	-78.083	0.02	20	Pass





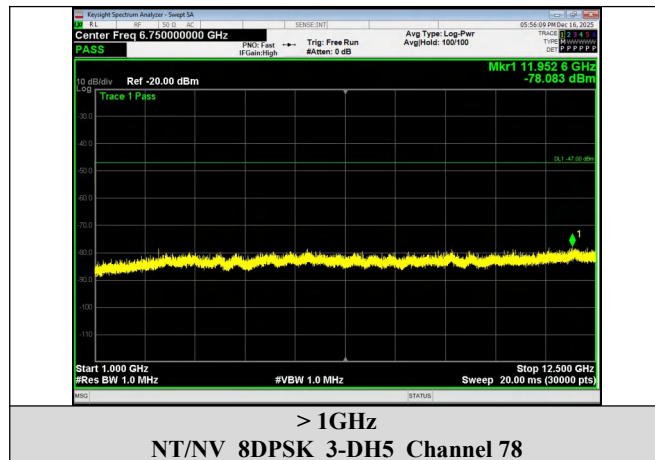




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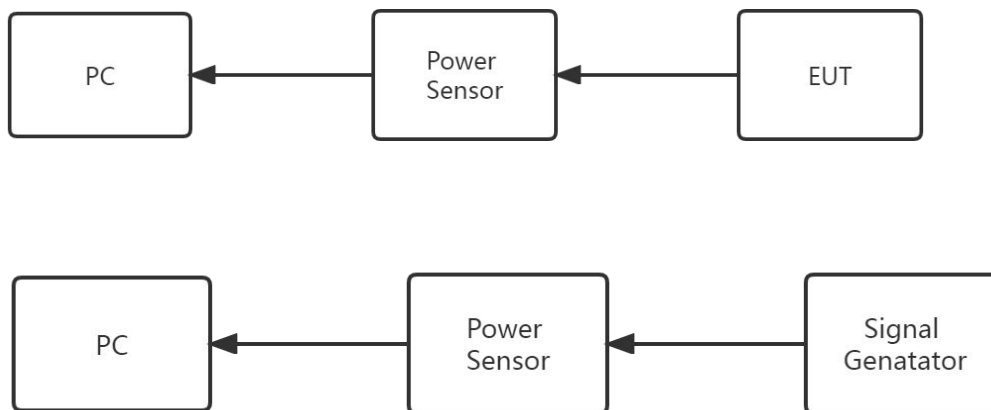
7. Antenna Power MeasurementLimit

Standard	Item	Limit
Article 2-1 Item 19	Antenna Power Density	$\leq 3 \text{ mW /MHz}$ (FHSS from 2400-2483.5 MHz) $\leq 10 \text{ mW/MHz}$ (OFDM, DSSS from 2400-2483.5 MHz) $\leq 10 \text{ mW}$ (Other method(Except FHSS & OFDM)from 2400-2483.5 MHz)
	Antenna Power Error	20%

7.2 Measurement Procedure

1. EUT turn to test frequency channel and keep continuous transmission.
2. Reading the output power from the Power sensor as P_{EUT} .
3. Turn the Signal generator to frequency channel the same as the EUT.
4. Turn the level of Signal generator, scan with the power meter until the power equal to P_{EUT} , the level of Signal generator recorded as “P”.
5. The antenna power of EUT is “P”.
6. EIRP power=“P”+antenna gain.

7.3 Test Setup



7.4 Test Result

Antenna Power and EIRP power



Mode	GFSK	$\pi/4$ DQPSK	8DPSK	Limit
Antenna Power(dBm)	0.56	0.30	0.57	/
Antenna Power(mW)	1.14	1.07	1.14	/
Duty cycle(%)	62.37	65.99	62.37	/
Spread Bandwidth(MHz)	69.87	70.18	70.41	/
Antenna Power(mW/MHz)	0.03	0.02	0.03	3
Declared Power(mW/MHz)	0.05	0.05	0.05	3
Antenna Power Tolerance(%)	-40	-60	-40	20%
EIRP(dBm/MHz)=Antenna power(dBm/MHz)+Antenna Gain	5.05	5.04	5.05	6.91

Note:

1. Declared Power by manufacturer.
2. Antenna Power ((mW/MHz))= Measured power(mW) / Spread bandwidth 90% BW(MHz)/Duty cycle(%)
3. EIRP (dBm/MHz) = Antenna power(dBm/MHz)+Antenna Gain

8. Frequency Hopping Dwell Time

8.1 Limit

According to Item 19 of Article 2 Paragraph 1., frequency dwell time is 0.4 seconds or below.

8.2 Measurement Procedure

1. Connect the UUT to the spectrum analyser and use the following settings:

Center frequency: 2402MHz

Span:Zero span

RBW: 1MHz, VBW: 3MHz

Log scale: 10dB/Div, Data points: 1001points

Reference level: Enough level for maximum dynamic range

Detection: Positive Peak,

Sweep mode: Continuous

Duty cycle= Ton/(Ton+Toff)

2. Make the following changes to the settings of the spectrum analyser:

Center frequency: 2402MHz

Span:Zero span

RBW: 1MHz, VBW: 3MHz

Reference level: Enough level for maximum dynamic range

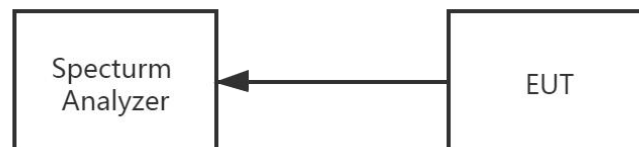
Detection: Positive Peak,

Sweep mode: Continuous

Sweep time:0.4* Hopping Channel Numbers

Dwell time = Time per one hopping (On time) * hopping numbers

8.3 Test Setup



8.4 Test Result

Please refer to following table.

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
GFSK	DH5	Hopping	2.880	106	305.28	< 400	PASS
$\pi/4$ DQPSK	2-DH5		2.896	108	312.77		PASS

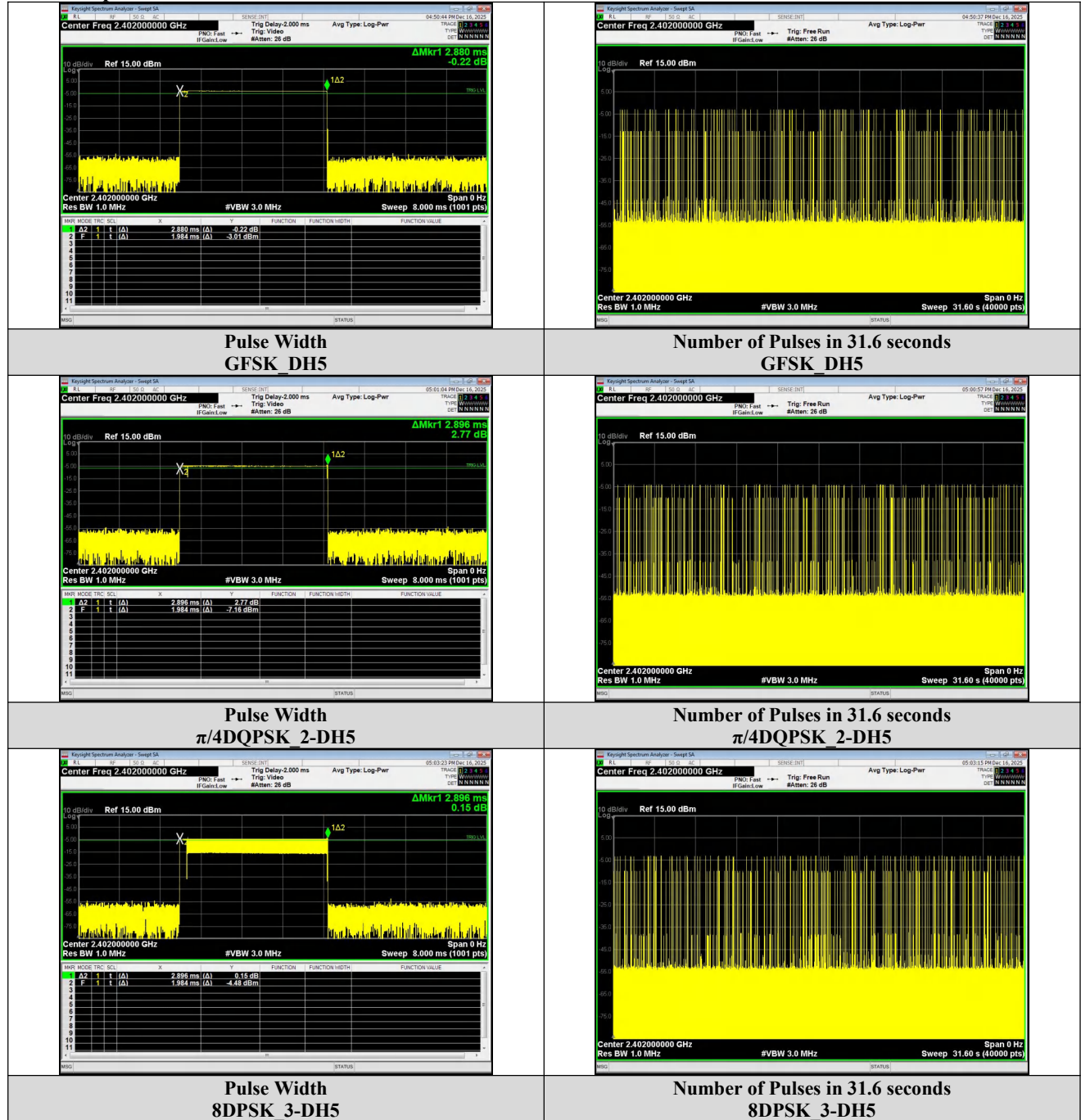


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8DPSK	3-DH5	2.896	112	324.35	PASS
Note: Dwell time=Pulse time(ms)*Number of Pulses in 31.6 seconds					

Test Graphs

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9. INTERFERENCE PREVENTION FUNCTION

9.1 Limit

According to Item 19 of Article 2 Paragraph 1. The device shall have the function of automatic transmission or reception of identification code.

9.2 Measurement Procedure

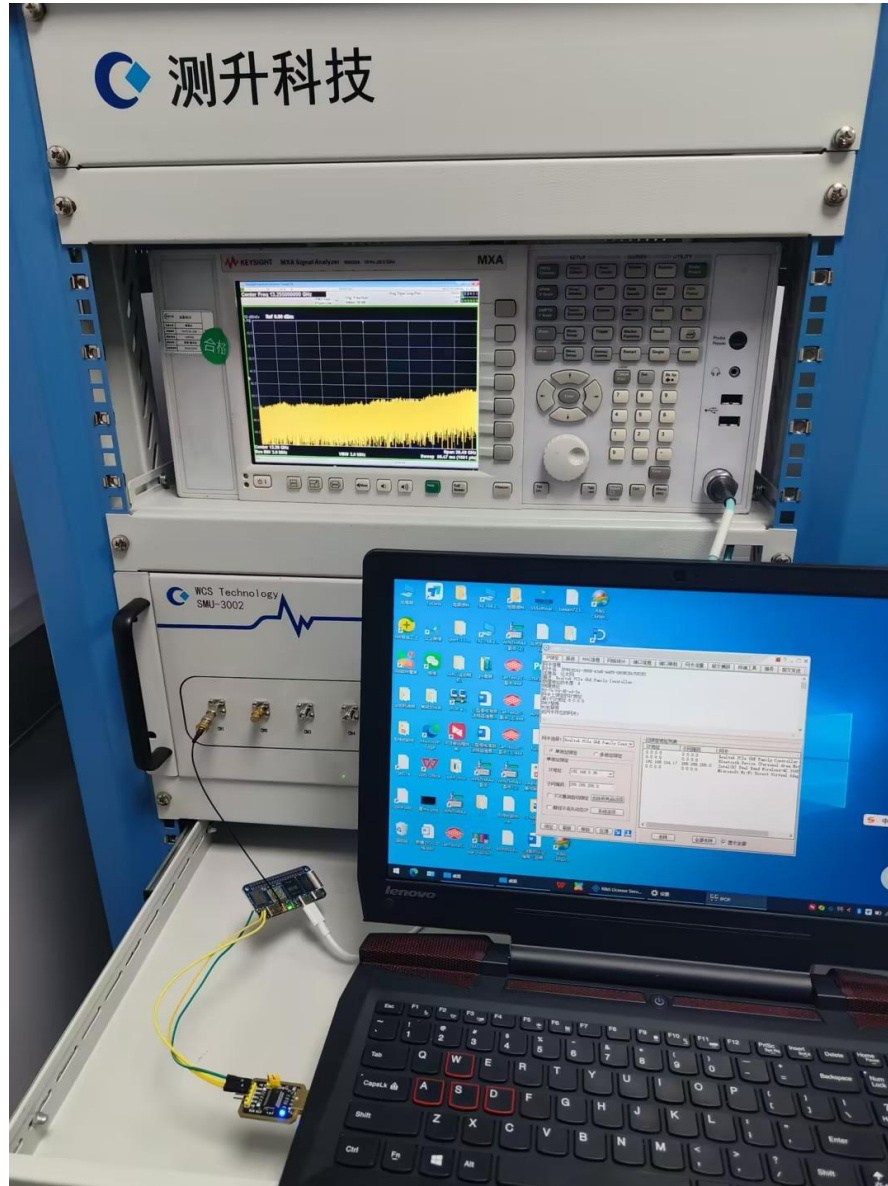
1. Set the EUT in the usual operation condition
2. The radio equipment with automatic transmitting function of identification code
 - A. Transmit the assigned identification code from the radio equipment.
 - B. Confirm the identification code received by the demodulator.
3. The radio equipment with automatic receiving function of identification code
 - A. Transmit the assigned identification code from the opposite equipment.
 - B. Confirm that the usual communication is available.
 - C. Transmit the identification code distinct from the assigned one from the opposite equipment.
 - D. Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.
4. The identification function shall be recorded with “Good” or “No”.

9.3 Test Result

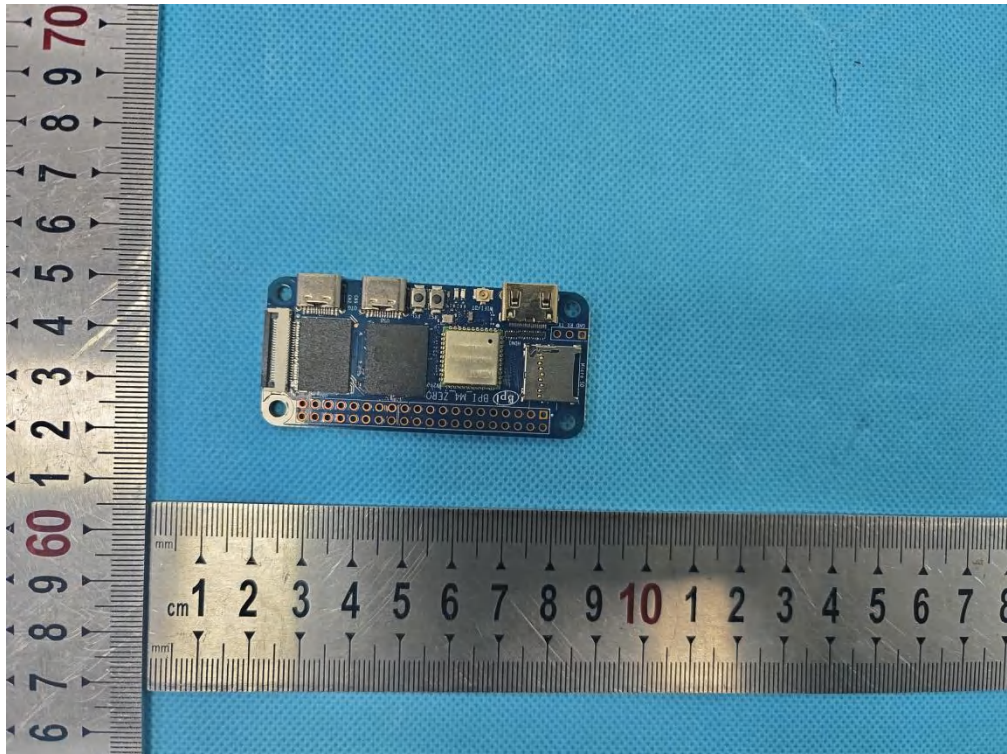
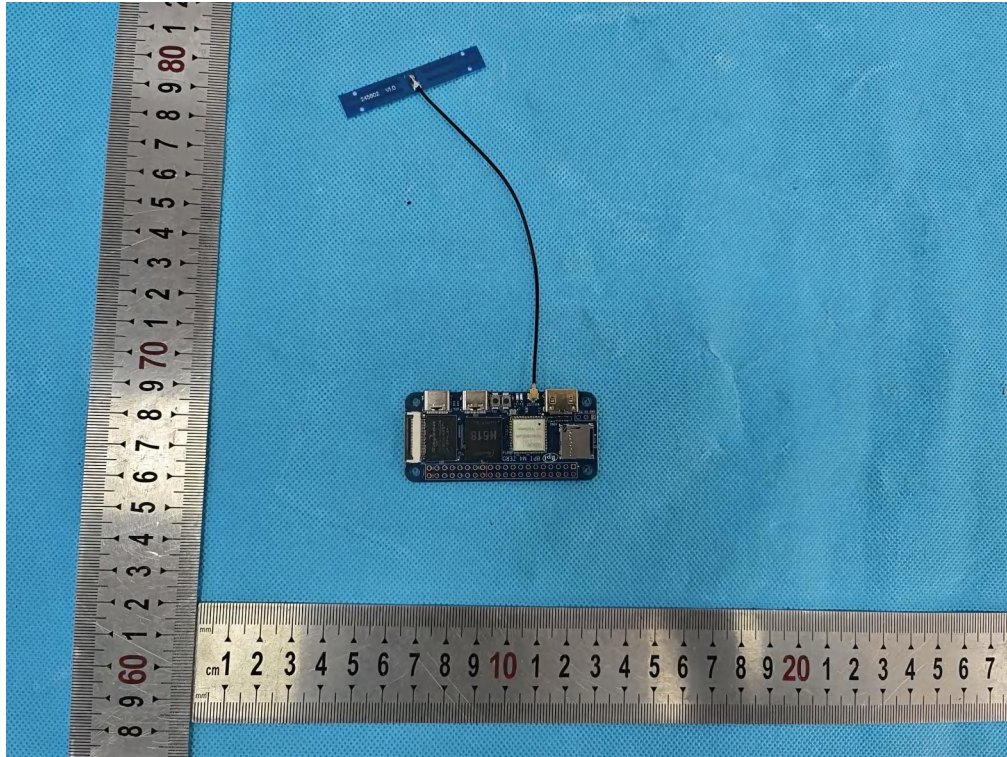
Test Item	Test Result	Verdict
Transmitting Function of Identification Code	The device have the function of automatic transmission or reception of identification code	Pass
Receiving Function of Identification Code	The device have the function of automatic transmission or reception of identification code	Pass

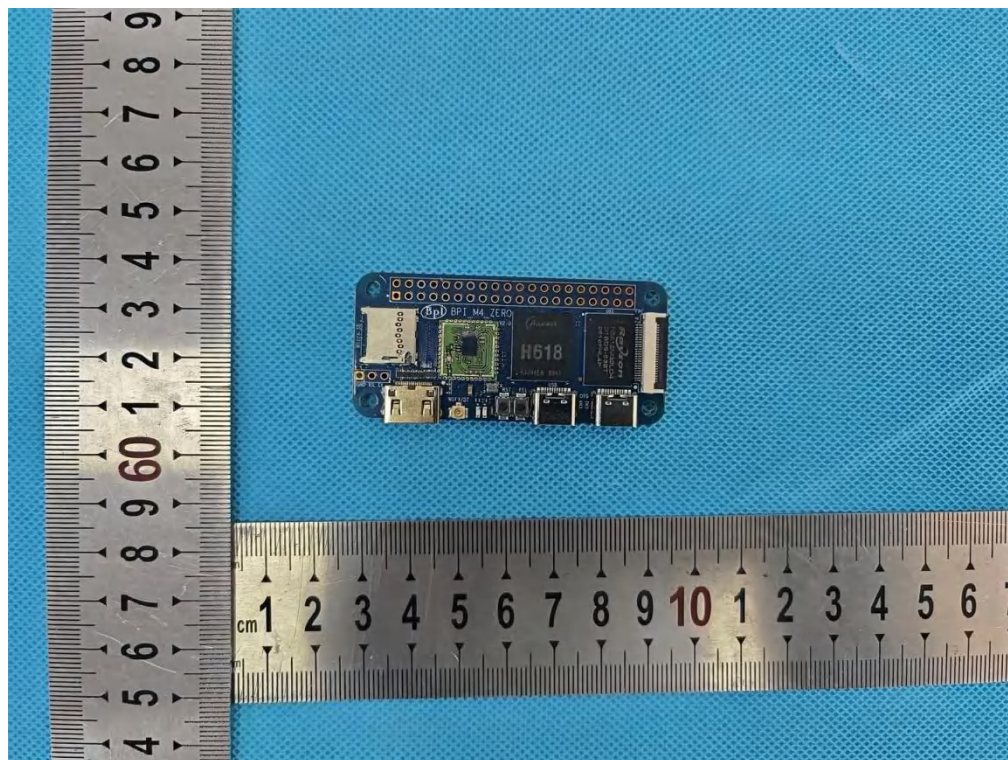
Mac address:5F:BA:E6:1F:26:3F

10. PHOTOGRAPHS OF TEST SET-UP



11. PHOTOGRAPHS OF THE EUT





****End of Report****