

Japan - TEST REPORT

Report Number : 709502602238-00 Date of Issue: April 23, 2026

Model : BT7L-IPEX

Product Type : Smart module

Applicant : Changzhou Yooksmart Innovation Co., Ltd.

Address : 1F, Building 6C, No. 8 Xihu Road Jintong Industrial Park
213000 Changzhou PEOPLE'S REPUBLIC OF CHINA.

Production Facility : Changzhou Yooksmart Innovation Co., Ltd.

Address : 1F, Building 6C, No. 8 Xihu Road Jintong Industrial Park
213000 Changzhou PEOPLE'S REPUBLIC OF CHINA.

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

Total pages including
Appendices : 40



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1 General Information

1.1 Notes

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Prepared by
Project Engineer

2026.04.23

Date

Jiaxi XU

Name



Signature

Approved by
Project Manager

2026.04.23

Date

Zhining ZHANG

Name

Zhining Zhang

Signature



1.2 Testing Laboratory

Address of Test Laboratory:

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Company Address: No.16 Lane, 1951 Du Hui Road, Shanghai 201108, P.R. China

Telephone: +86 21 6141 0123

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1.3 Details of Applicant

Applicant: Changzhou Yooksmart Innovation Co., Ltd

Address: 1F, Building 6C, No. 8 Xihu Road Jintong Industrial Park
213000 Changzhou PEOPLE'S REPUBLIC OF CHINA

Product Description: Smart Module

Manufacturers Model No.: BT7L-IPEX

1.4 Application Details

Date of receipt of order: 03/19/2026

Date of receipt of test item: 03/20/2026

Date of test: 03/20/2026 ~ 04/09/2026

1.5 Test Item

Refer to table 1

1.6 Applied Standard

APPLIED PRODUCT STANDARD

Article 2 Paragraph 1 item(19): Ministry of Internal Affairs and Communications Notification Article 88 Appendix 43

1.7 Test Summary

Table 1. Summary of results

Essential parameter	Corresponding technical requirements: Article 88 Appendix 43	Result
Transmitter requirements	RF Output Power	PASS
	RF Output Power Tolerance	PASS
	Frequency Tolerance	PASS
	Occupied Bandwidth	PASS
	Spread Bandwidth	PASS
	Interference prevention function	PASS
	Unwanted (Spurious) Emission Strength	PASS
Receiver requirements	Secondary Emitted Radio Wave Strength*	PASS

NOTE 1: Measurement taken is within the measurement uncertainty of measurement system.

NOTE 2 “*” N/A is an abbreviation for Not Applicable.

Remark: It is compliance to the appropriate section of the Ordinance Article 2 paragraph 1 Item (19).

2 Equipment Specification

2.1 General Description

The EUT is a smart module with 2.4GHz BLE transmitter.

2.2 Technical Data

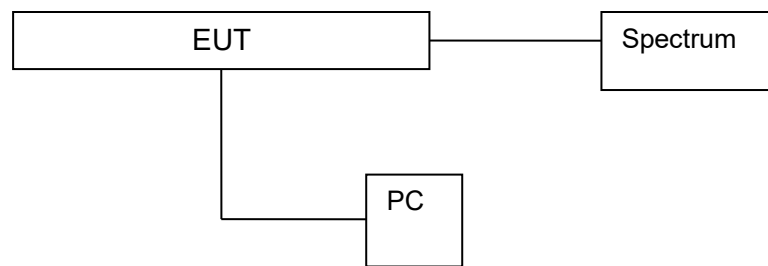
Description:	Smart Module
Model:	BT7L-IPEX
Operation frequency:	2402MHz~2480MHz
Antenna type:	PCB
Antenna gain:	1.37dBi
Rated Input:	DC 3.3V
Modulation:	GFSK

2.3 Test conditions and test Connections

2.3.1 Test Conditions

The EUT will be connected to test system in order to simulate normal operating conditions (with reference to the guidance given in the standard for this type of equipment).

2.3.2 Test Connections



Test Configuration

2.4 Auxiliary Equipment Used during Test

Table 3. Auxiliary Equipment Used during Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
PC	ThinkPad	T480S	---	---

2.5 Lists of Test Instruments

Table 4. Lists of Test Instruments

Description	Manufacturer	Model no.	Serial no.	CAL. DATE	CAL. DUE DATE
Signal spectrum analyzer	Agilent	N9020B	MY59050168	2026-2-24	2027-2-23
RF automatic control unit	MWRFTest	MW100-RFCB	S2110418b-YQ-EMC	2025-10-9	2026-10-8
RF_Cable	UCWAVE ELECTRONIC	UCA500-NJWSM-1.5M	---	2025-8-1	2026-7-31

Remark:

- (a) Calibration conducted by the National institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- (b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).
- (c) 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).
- (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c). the calibration corresponds to C described above.

From JRL Article 24-2, paragraph 4, Item 2

All the test instruments calibration by Jiangsu Electronic Information Product Quality Supervision & Inspection Institute (Jiangsu Information Security Evaluation Center).
Address: No.100, Jinshui Road, Wuxi, Jiangsu, China

2.6 Measurement Uncertainty (95% confidence levels, k=2)

System Measurement Uncertainty	
Test Items	Extended Uncertainty
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 4.3.3.

3 Measurements Result

3.1 RF Output Power

3.1.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.1.2 Limit

- The antenna power of a transmitting equipment (with a frequency band of 2,427 – 2,470.75 MHz, for spread spectrum systems using FH systems, hybrid systems of DS and FH, or hybrid systems of FH and OFDM) shall be such that the mean power within a bandwidth of 1 MHz is 3 mW or less in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.
- The antenna power of a transmitting equipment using a spread spectrum system other than any of those in “a” and the OFDM system shall be such that the mean power within a bandwidth of 1 MHz is 10 mW or less in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.
- Others digital equipment 10 mW.

3.1.3 Test result

Frequency (MHz)	Voltage (VDC)	Reading (mW)	Limit (mW)
2402	2.97V DC	2.13	10
	3.30V DC	2.15	10
	3.63V DC	2.14	10
2440	2.97V DC	2.18	10
	3.30V DC	2.20	10
	3.63V DC	2.18	10
2480	2.97V DC	2.24	10
	3.30V DC	2.28	10
	3.63V DC	2.24	10

3.1.4 Result

The equipment met the requirement of this clause.

3.2 Tolerances for Antenna Power

3.2.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.2.2 Limit

Upper limits of the tolerance for antenna power shall be 20%. Note that they represent the tolerance for the maximum rated antenna power and that no upper limits of the tolerance are regulated in the case of antenna power reduction for communications reasons.

3.2.3 Test result

Frequency (MHz)	Voltage (VDC)	Declared Output Power (mW)	Result (mW)	Tolerances	Limit
2402	2.97V DC	2.2	2.13	-3.18%	+20%
	3.30V DC	2.2	2.15	-2.27%	+20%
	3.63V DC	2.2	2.14	-2.73%	+20%
Conclusion: PASS					
Frequency (MHz)	Voltage (VDC)	Declared Output Power (mW)	Result (mW)	Tolerances	Limit
2440	2.97V DC	2.2	2.18	-0.91%	+20%
	3.30V DC	2.2	2.20	0%	+20%
	3.63V DC	2.2	2.18	-0.91%	+20%
Conclusion: PASS					
Frequency (MHz)	Voltage (VDC)	Declared Output Power (mW)	Result (mW)	Tolerances	Limit
2480	2.97V DC	2.2	2.24	+1.82%	+20%
	3.30V DC	2.2	2.28	+3.64%	+20%
	3.63V DC	2.2	2.24	+1.82%	+20%
Conclusion: PASS					

Note: Deviation = (Output power – Declared Output Power) / Declared Output Power * 100%

3.2.4 Result

The equipment met the requirement of this clause.

3.3 Frequency Tolerance

3.3.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.3.2 Limit (ARIB STD-T66, Clause 3.2 (4))

Tolerance of frequency: $\pm 50 \times 10^{-6}$.

3.3.3 Test Result

Test Frequency (MHz)	Voltage (VDC)	Result (MHz)	Tolerance (Hz)	Tolerance (ppm)	Limit (ppm)
2402	2.97V DC	2401.977	-23000	-9.58	± 50
	3.30V DC	2401.978	-22000	-9.16	± 50
	3.63V DC	2401.977	-23000	-9.58	± 50
Conclusion: PASS					

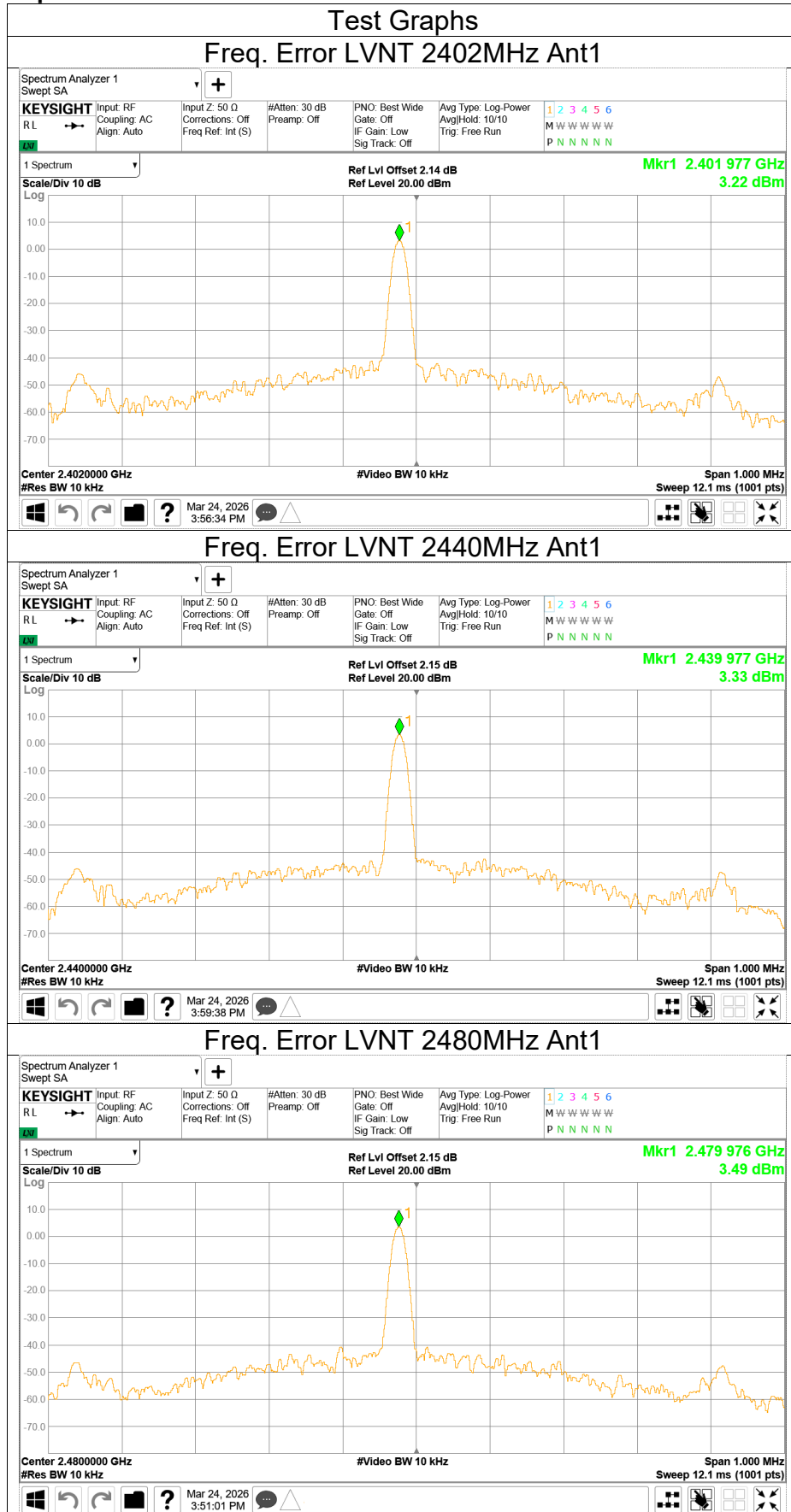
Test Frequency (MHz)	Voltage (VDC)	Result (MHz)	Tolerance (Hz)	Tolerance (ppm)	Limit (ppm)
2440	2.97V DC	2439.977	-23000	-9.43	± 50
	3.30V DC	2439.978	-22000	-9.02	± 50
	3.63V DC	2439.977	-23000	-9.43	± 50
Conclusion: PASS					

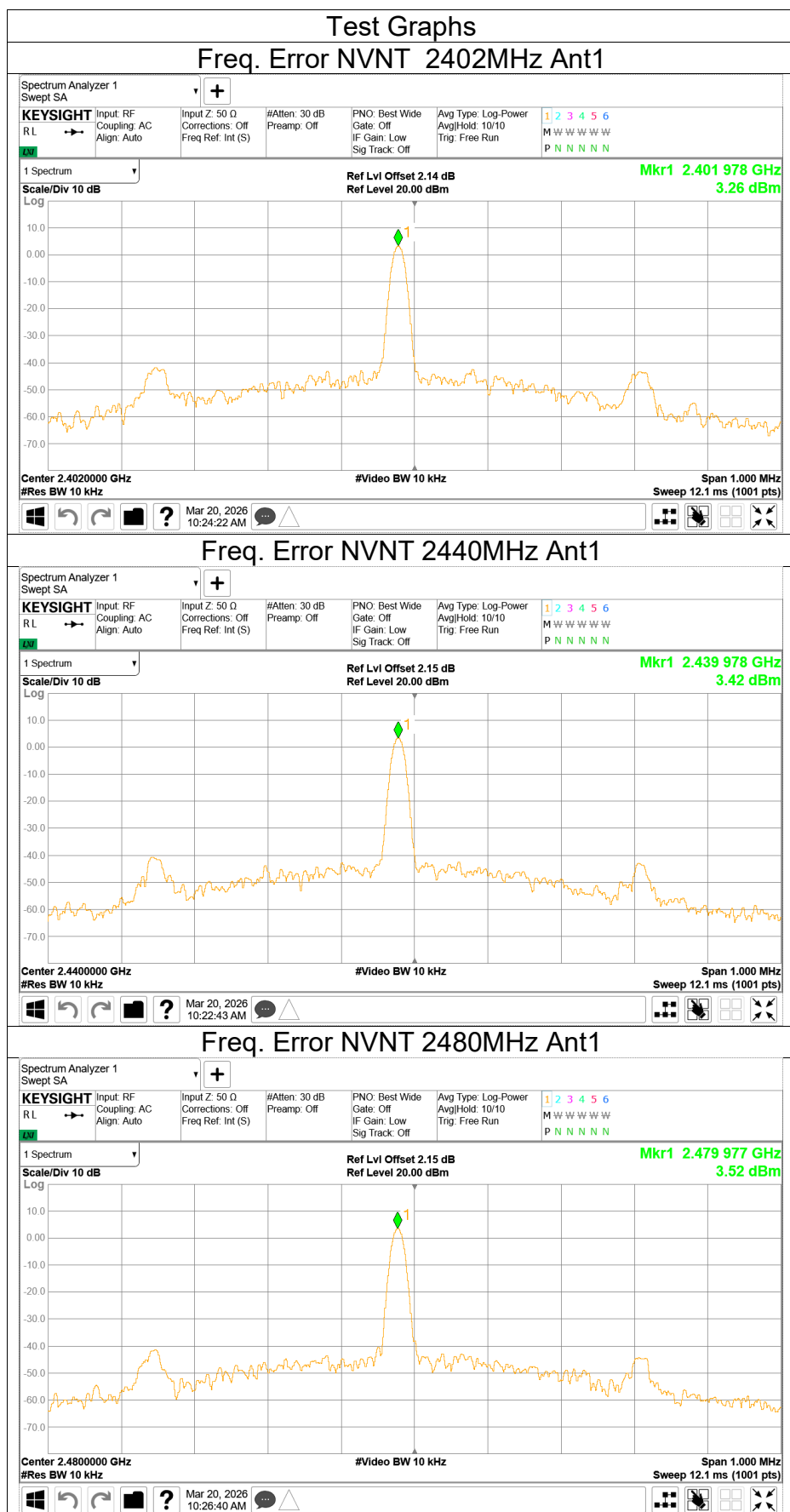
Test Frequency (MHz)	Voltage (VDC)	Result (MHz)	Tolerance (Hz)	Tolerance (ppm)	Limit (ppm)
2480	2.97V DC	2479.976	-24000	-9.68	± 50
	3.30V DC	2479.977	-23000	-9.27	± 50
	3.63V DC	2479.976	-24000	-9.68	± 50
Conclusion: PASS					

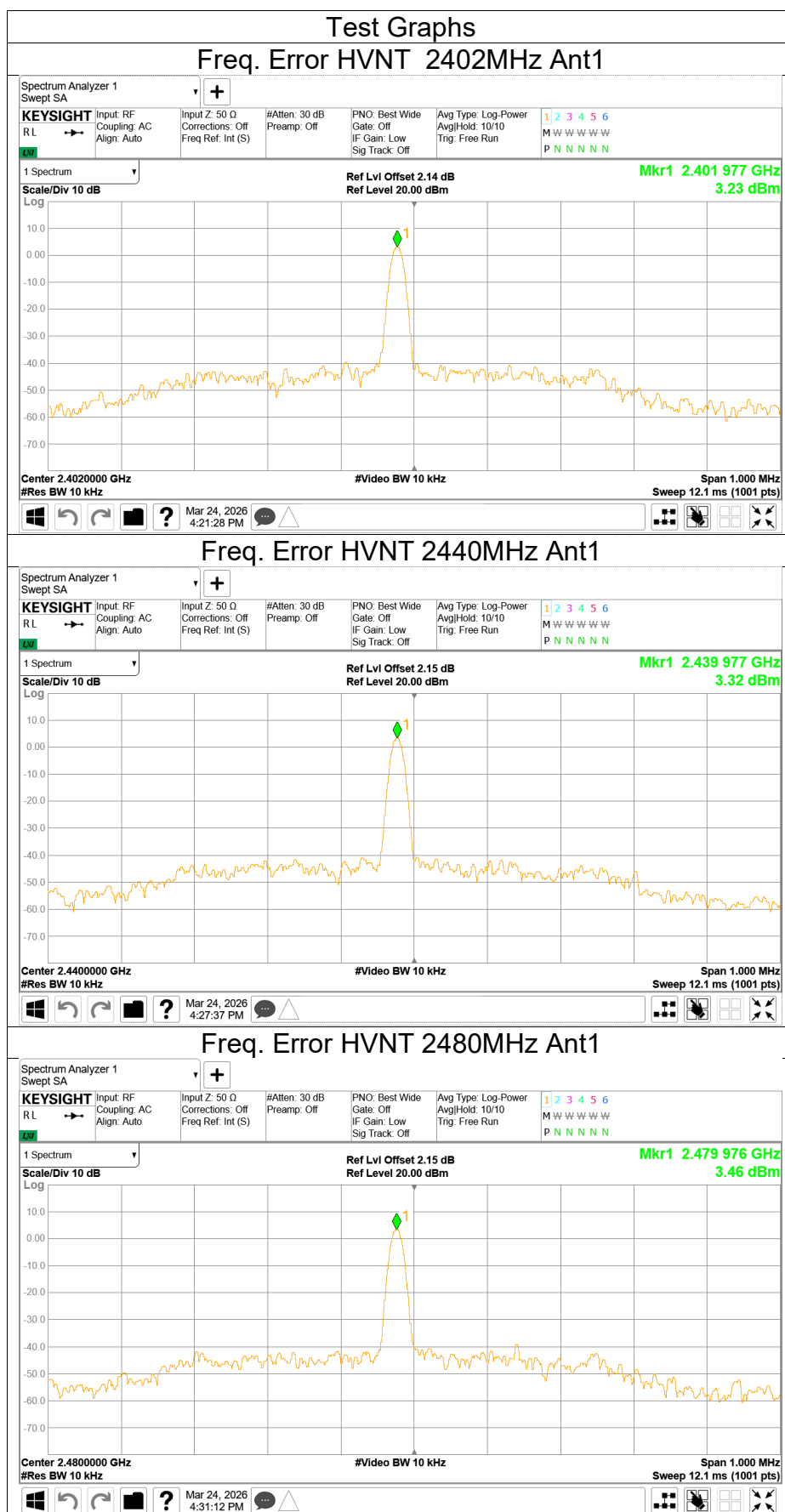
3.3.4 Result

The equipment met the requirement of this clause.

3.3.5 Test Graph







3.4 Occupied Frequency Bandwidth

3.4.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.4.2 Limit

Permissible value for occupied bandwidth using the FH system, a hybrid system combining DS and FH systems, or a hybrid system combining FH and OFDM systems shall be 83.5 MHz or less, while necessary bandwidth (minimum occupied bandwidth sufficient to ensure information transmission of required quality at a required transmission rate for the system used under specified conditions for a given emission type) using a OFDM system is at most 40MHz; and for transmission devices using any other necessary frequency bandwidth is at most 26 MHz or less.

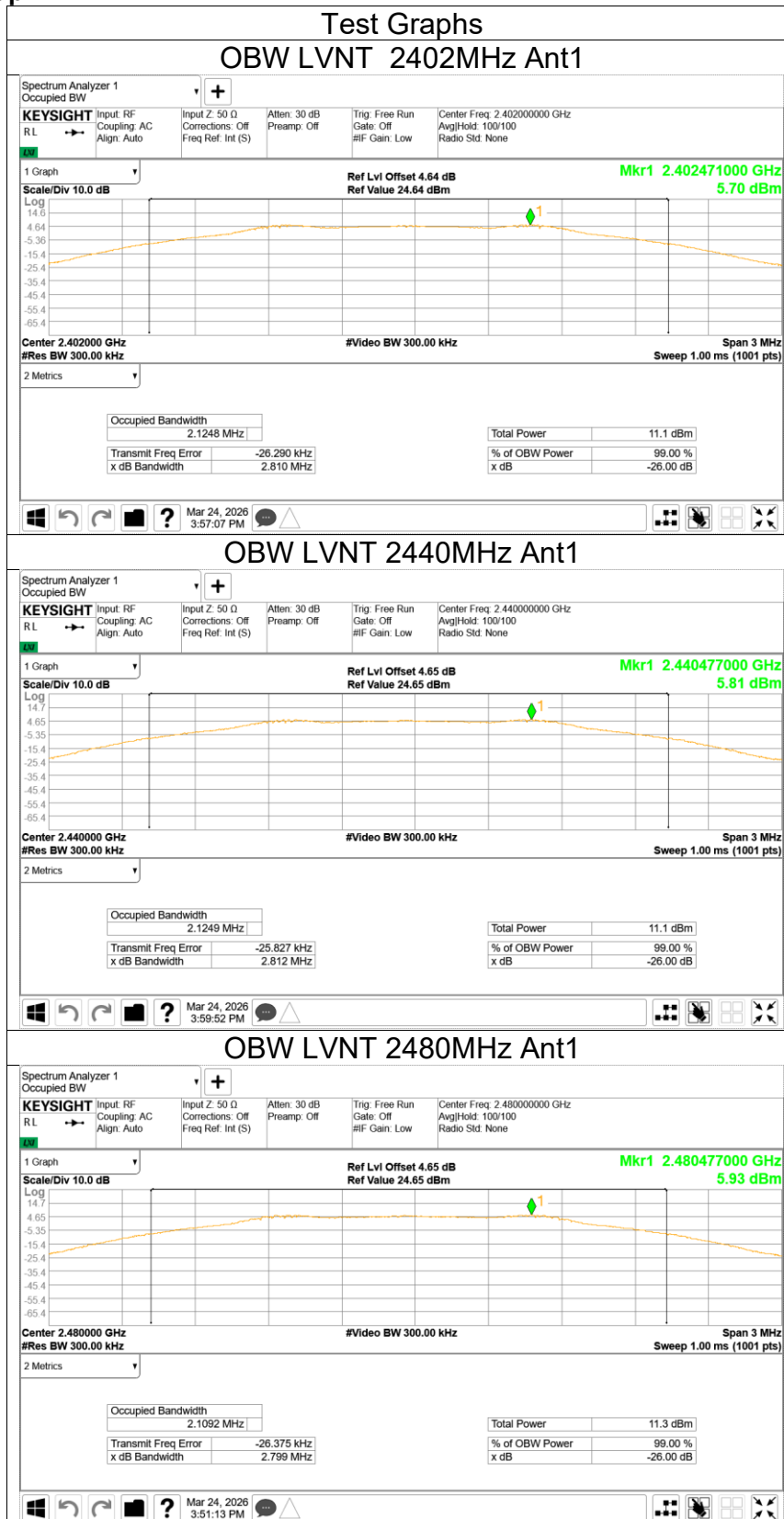
3.4.3 Test Result

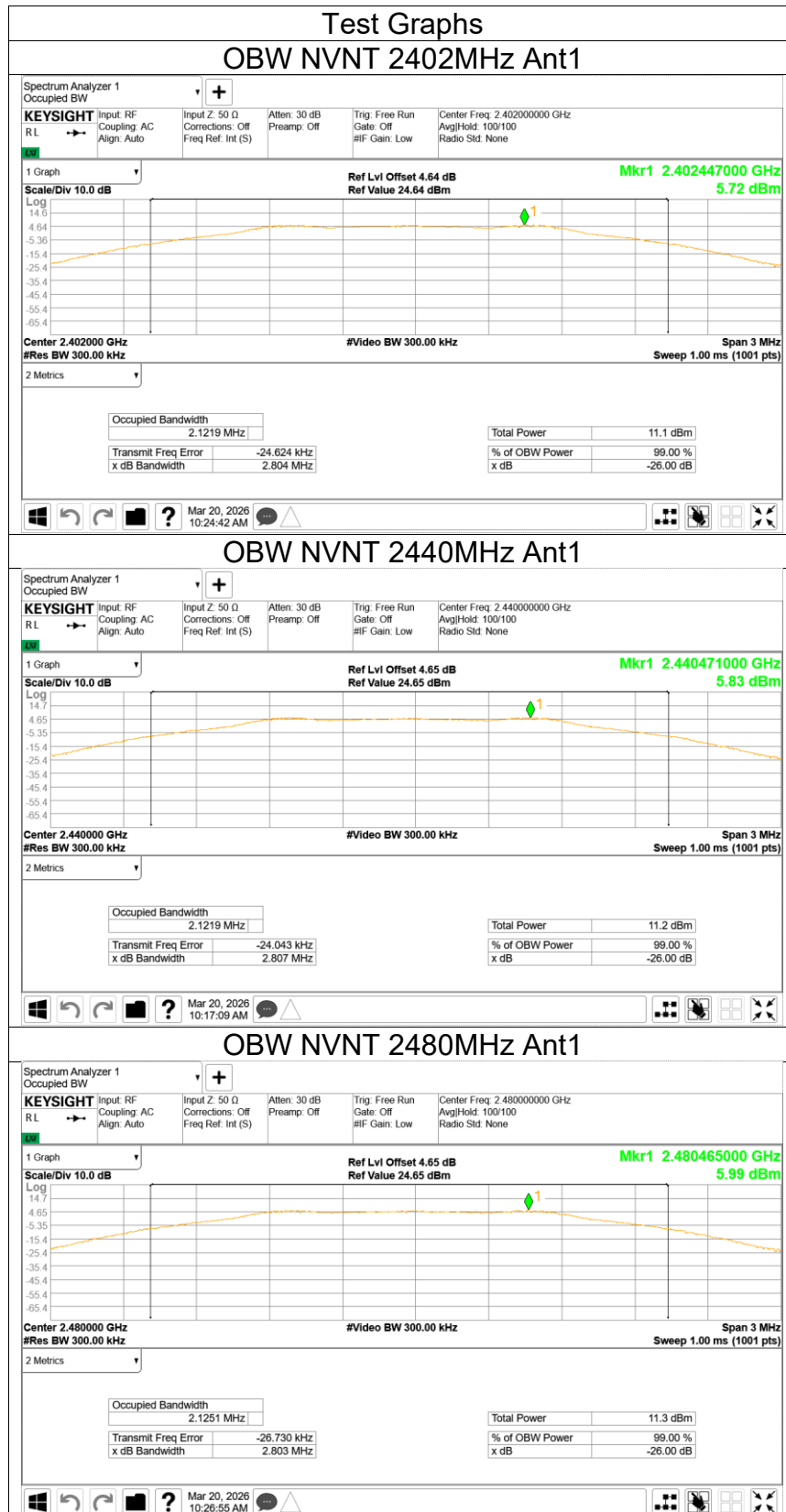
Test Frequency (MHz)	Voltage (VDC)	Result (MHz)	Limit (MHz)
2402	2.97V DC	2.125	<26MHz
	3.30V DC	2.122	<26MHz
	3.63V DC	2.118	<26MHz
2440	2.97V DC	2.125	<26MHz
	3.30V DC	2.122	<26MHz
	3.63V DC	2.126	<26MHz
2480	2.97V DC	2.109	<26MHz
	3.30V DC	2.125	<26MHz
	3.63V DC	2.123	<26MHz

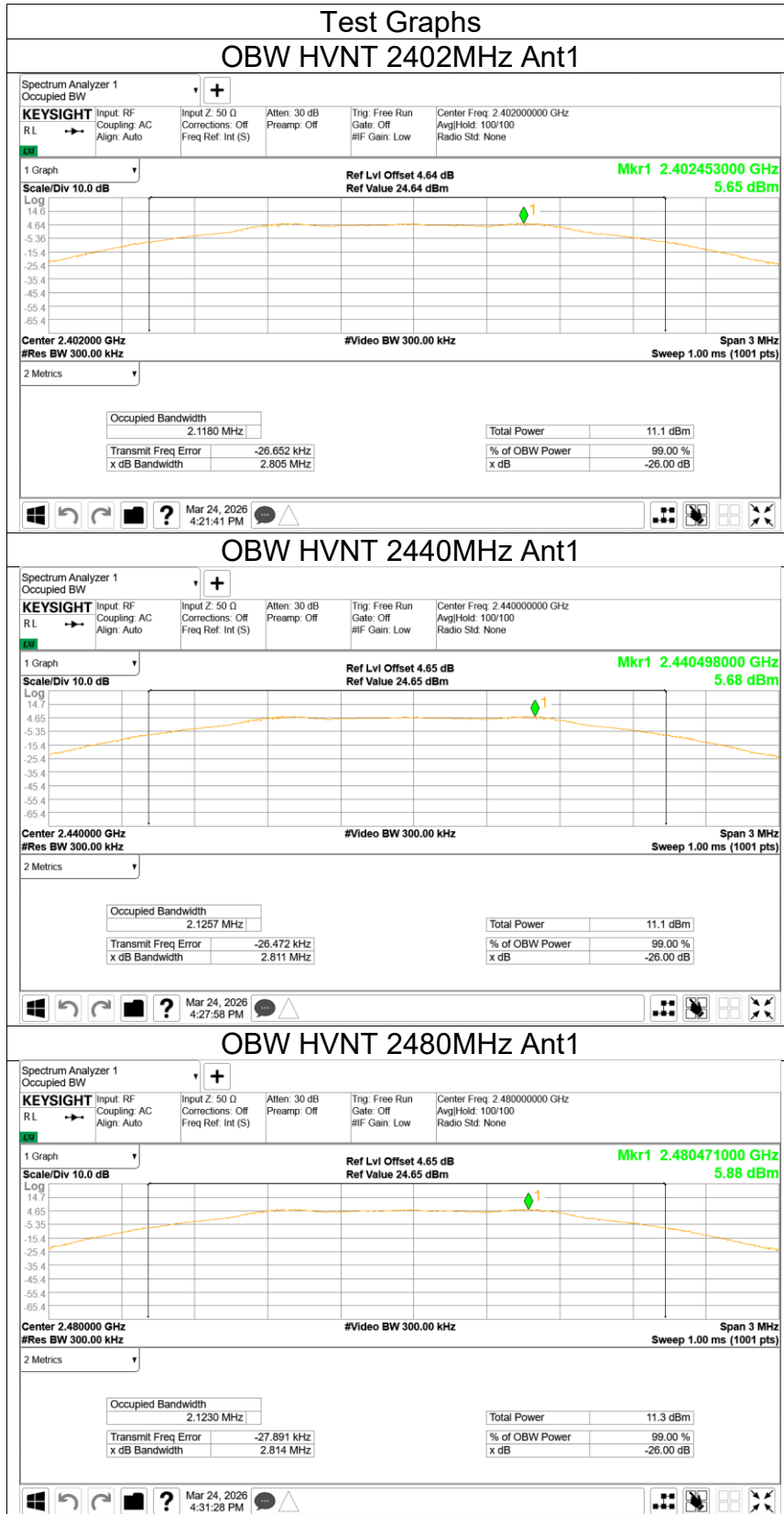
3.4.4 Result

The equipment met the requirement of this clause.

3.4.5 Test Graph







3.5 Spread Bandwidth

3.5.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.5.2 Limit

In spread spectrum systems, spread bandwidth (which refers to a frequency bandwidth with an upper limit and lower limit such that each of the mean powers radiated above the upper frequency limit and below the lower frequency limit is equal to 5 % of the total mean power radiated; this also applies hereafter) shall be 500 kHz or more

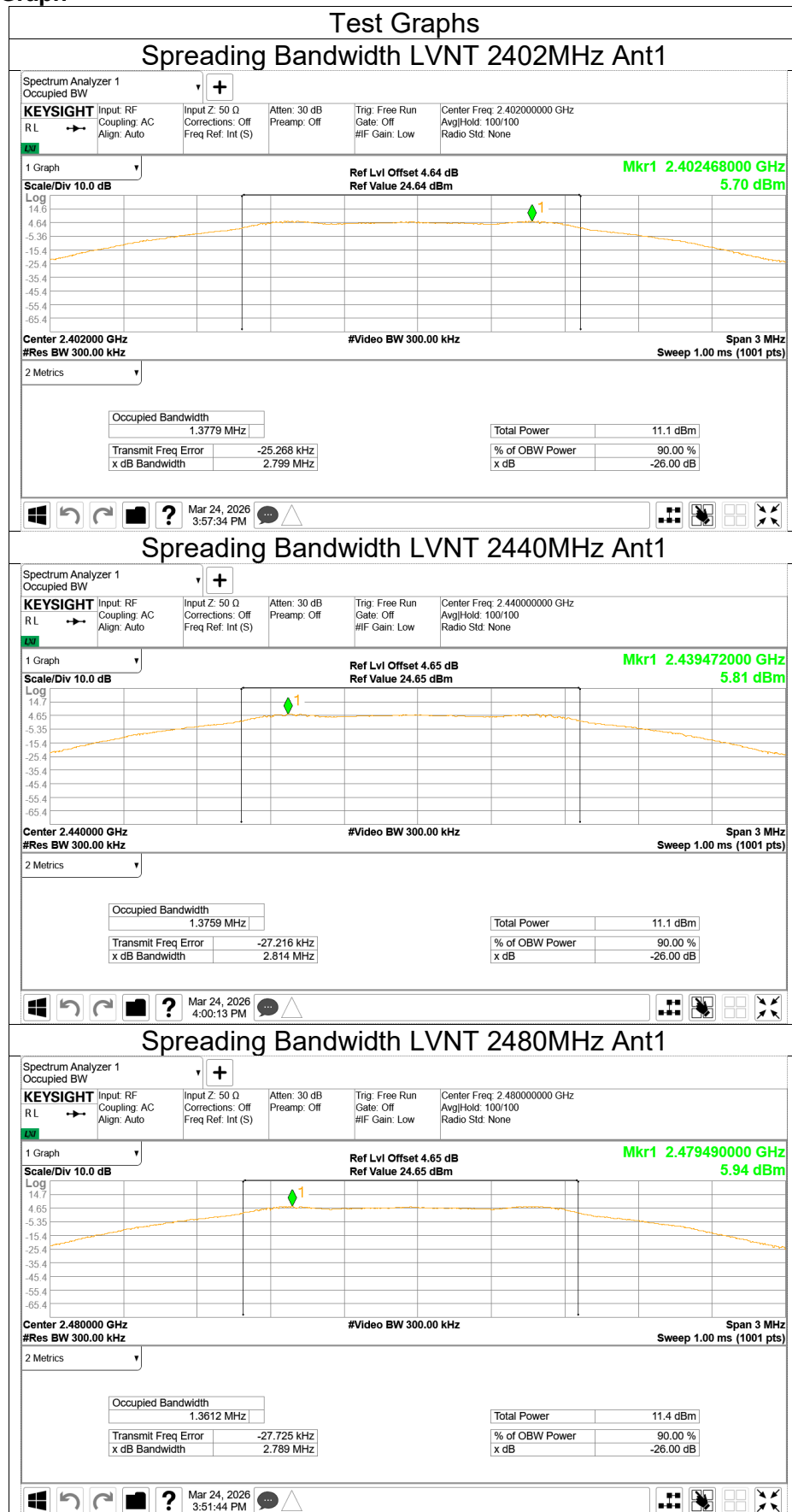
3.5.3 Test Result

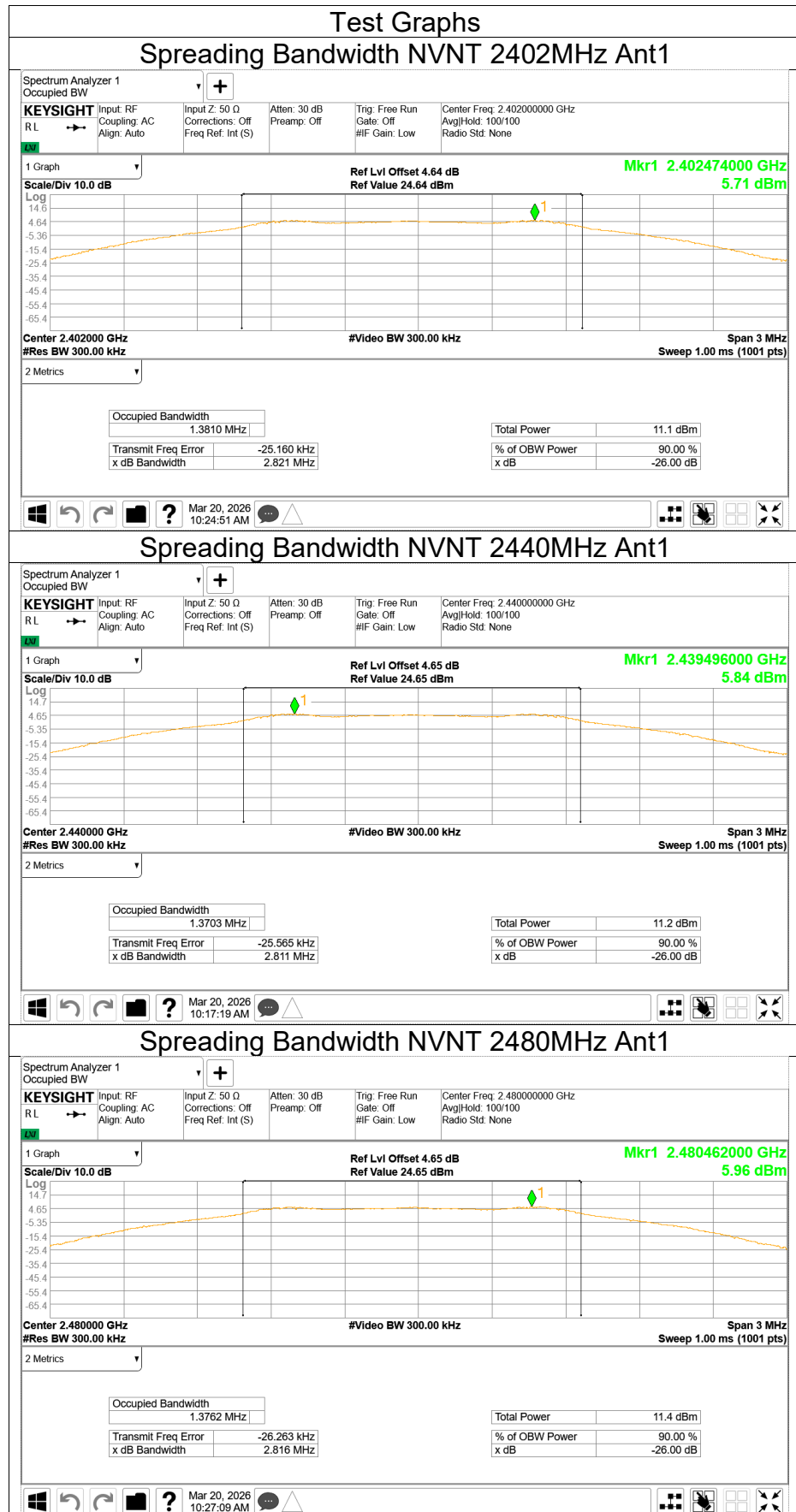
Test Frequency (MHz)	Voltage (VDC)	Result (MHz)	Limit (kHz)
2402	2.97V DC	1.378	>500
	3.30V DC	1.381	>500
	3.63V DC	1.374	>500
2440	2.97V DC	1.376	>500
	3.30V DC	1.370	>500
	3.63V DC	1.380	>500
2480	2.97V DC	1.361	>500
	3.30V DC	1.376	>500
	3.63V DC	1.375	>500

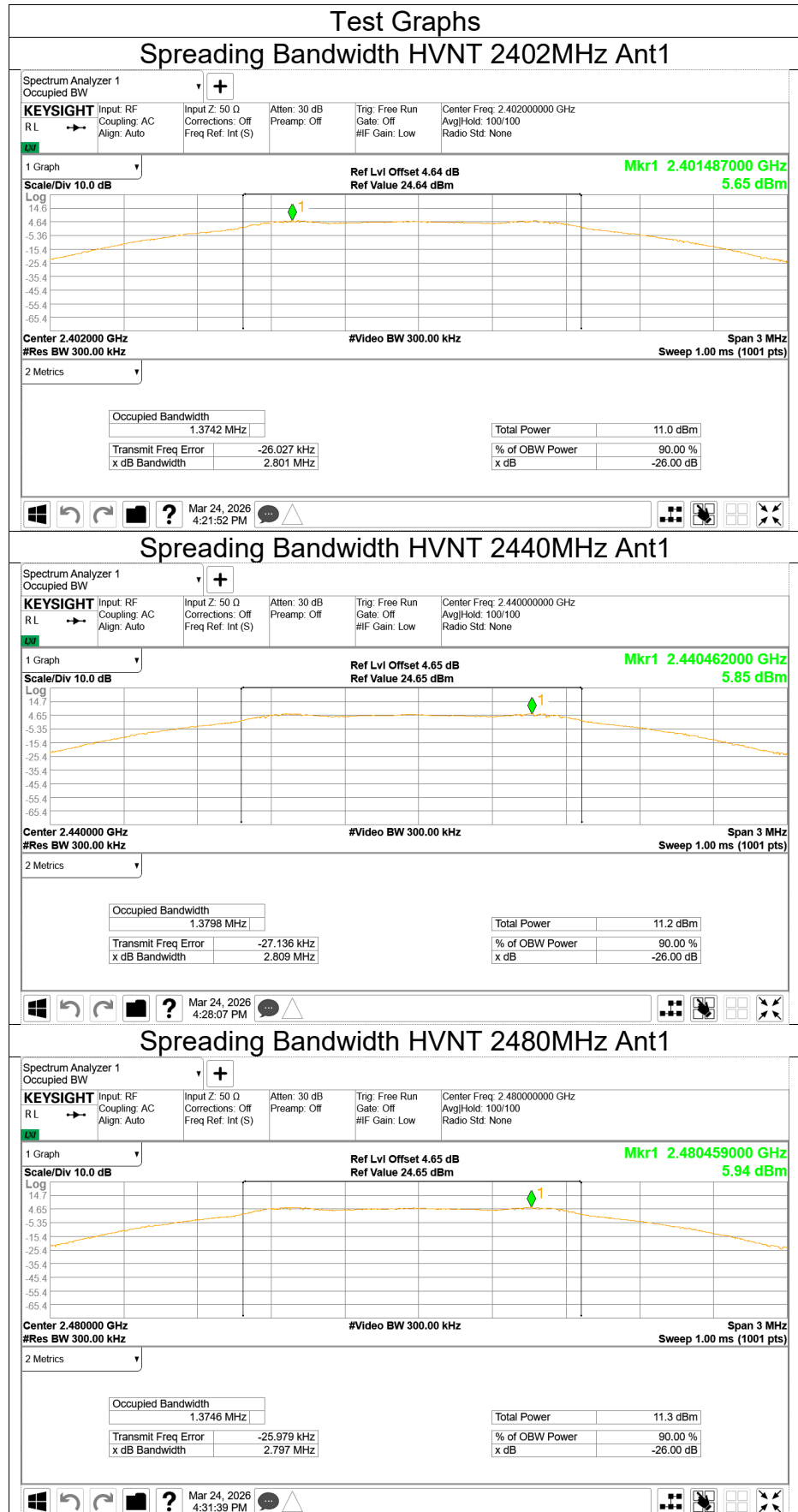
3.5.4 Result

The equipment met the requirement of this clause

3.5.5 Test Graph







3.6 Unwanted (Spurious) Emission Strength

3.6.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.6.2 Limit

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows: a. $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$ 25 μW or less b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ 2.5 μW or less

3.6.3 Test Result

Condition	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit (dBm/MHz)	Result [$\mu\text{W}/\text{MHz}$]	Limit [$\mu\text{W}/\text{MHz}$]	Verdict
LVNT	2402	30-1000	422.85	-44.8	-26	0.033113	≤ 2.5	Pass
LVNT		1000-2387	2167.85	-44.66	-26	0.034198	≤ 2.5	Pass
LVNT		2387-2400	2400	-16.71	-16	21.330449	≤ 25	Pass
LVNT		2483.5-2496.5	2493.41	-44.73	-16	0.033651	≤ 25	Pass
LVNT		2496.5-13000	12527.34	-42.21	-26	0.060117	≤ 2.5	Pass
LVNT	2440	30-1000	881.66	-44.51	-26	0.035400	≤ 2.5	Pass
LVNT		1000-2387	2206.69	-44.96	-26	0.031915	≤ 2.5	Pass
LVNT		2387-2400	2389.56	-44.71	-16	0.033806	≤ 25	Pass
LVNT		2483.5-2496.5	2495.12	-45.02	-16	0.031477	≤ 25	Pass
LVNT		2496.5-13000	12747.92	-42.13	-26	0.061235	≤ 2.5	Pass
LVNT	2480	30-1000	870.02	-44.5	-26	0.035481	≤ 2.5	Pass
LVNT		1000-2387	2163.69	-44.2	-26	0.038019	≤ 2.5	Pass
LVNT		2387-2400	2393.33	-44.81	-16	0.033037	≤ 25	Pass
LVNT		2483.5-2496.5	2483.57	-43.76	-16	0.042073	≤ 25	Pass
LVNT		2496.5-13000	12317.27	-41.98	-26	0.063387	≤ 2.5	Pass

Condition	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit (dBm/MHz)	Result [$\mu\text{W}/\text{MHz}$]	Limit [$\mu\text{W}/\text{MHz}$]	Verdict
NVNT	2402	30-1000	824.43	-43.46	-26	0.045082	≤ 2.5	Pass
NVNT		1000-2387	2126.24	-44.27	-26	0.037411	≤ 2.5	Pass
NVNT		2387-2400	2400	-16.78	-16	20.989399	≤ 25	Pass
NVNT		2483.5-2496.5	2492.39	-44.95	-16	0.031989	≤ 25	Pass
NVNT		2496.5-13000	3420.81	-40.07	-26	0.098401	≤ 2.5	Pass
NVNT	2440	30-1000	892.33	-43.97	-26	0.040087	≤ 2.5	Pass
NVNT		1000-2387	2174.79	-43.95	-26	0.040272	≤ 2.5	Pass
NVNT		2387-2400	2387.29	-45.09	-16	0.030974	≤ 25	Pass
NVNT		2483.5-2496.5	2495.4	-44.65	-16	0.034277	≤ 25	Pass
NVNT		2496.5-13000	12432.81	-42.67	-26	0.054075	≤ 2.5	Pass
NVNT	2480	30-1000	889.42	-44.64	-26	0.034356	≤ 2.5	Pass
NVNT		1000-2387	2043.02	-44.19	-26	0.038107	≤ 2.5	Pass
NVNT		2387-2400	2398.45	-45.15	-16	0.030549	≤ 25	Pass
NVNT		2483.5-2496.5	2483.72	-44.23	-16	0.037757	≤ 25	Pass
NVNT		2496.5-13000	12296.27	-41.19	-26	0.076033	≤ 2.5	Pass

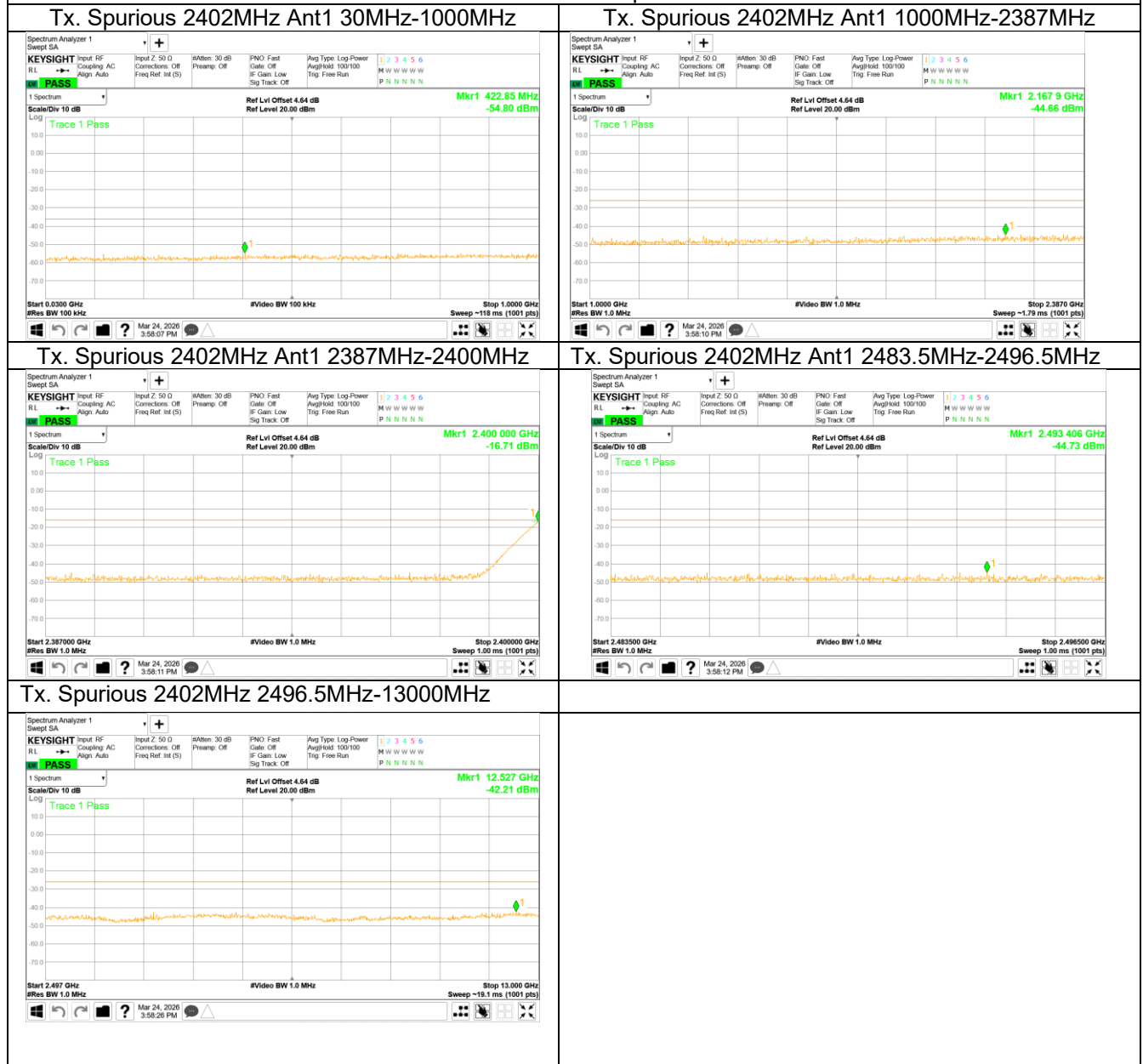
Condition	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit (dBm/MHz)	Result [μ W/MHz]	Limit [μ W/MHz]	Verdict
HVNT	2402	30-1000	967.02	-44.34	-26	0.036813	≤ 2.5	Pass
HVNT		1000-2387	2310.71	-44.25	-26	0.037584	≤ 2.5	Pass
HVNT		2387-2400	2400	-16.6	-16	21.877616	≤ 25	Pass
HVNT		2483.5-2496.5	2495.85	-45.47	-16	0.028379	≤ 25	Pass
HVNT		2496.5-13000	12306.77	-42.54	-26	0.055719	≤ 2.5	Pass
HVNT	2440	30-1000	957.32	-44.17	-26	0.038282	≤ 2.5	Pass
HVNT		1000-2387	2327.36	-43.59	-26	0.043752	≤ 2.5	Pass
HVNT		2387-2400	2389.08	-45.51	-16	0.028119	≤ 25	Pass
HVNT		2483.5-2496.5	2492.81	-44.47	-16	0.035727	≤ 25	Pass
HVNT		2496.5-13000	5595.03	-41.98	-26	0.063387	≤ 2.5	Pass
HVNT	2480	30-1000	768.17	-44.13	-26	0.038637	≤ 2.5	Pass
HVNT		1000-2387	2110.99	-44.97	-26	0.031842	≤ 2.5	Pass
HVNT		2387-2400	2397.18	-45.14	-16	0.030620	≤ 25	Pass
HVNT		2483.5-2496.5	2483.54	-43.71	-16	0.042560	≤ 25	Pass
HVNT		2496.5-13000	12275.26	-42.45	-26	0.056885	≤ 2.5	Pass

3.6.4 Result

The equipment met the requirement of this clause.

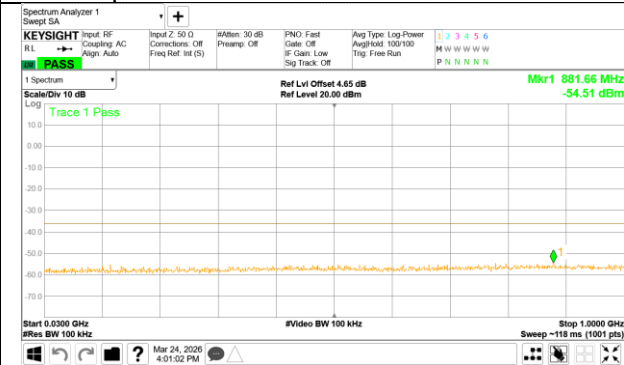
3.6.5 Test Graph

LVNT Test Graphs

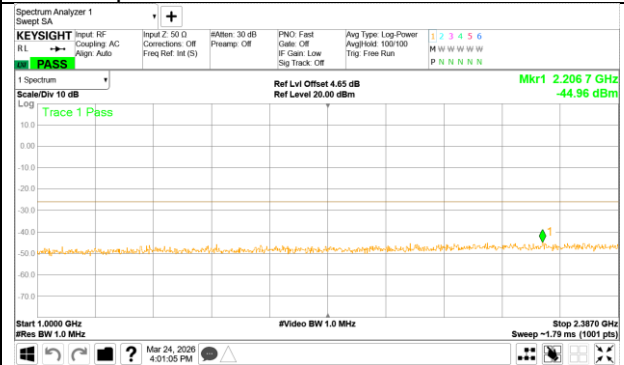


LVNT Test Graphs

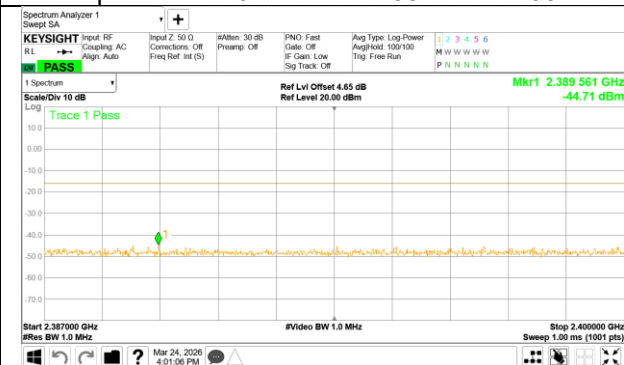
Tx. Spurious 2440MHz Ant1 30MHz-1000MHz



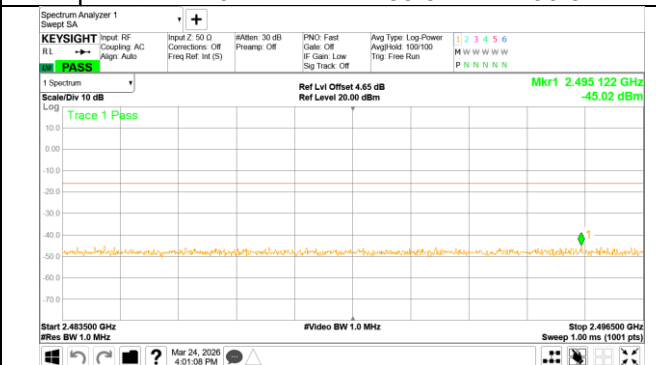
Tx. Spurious 2440MHz Ant1 1000MHz-2387MHz



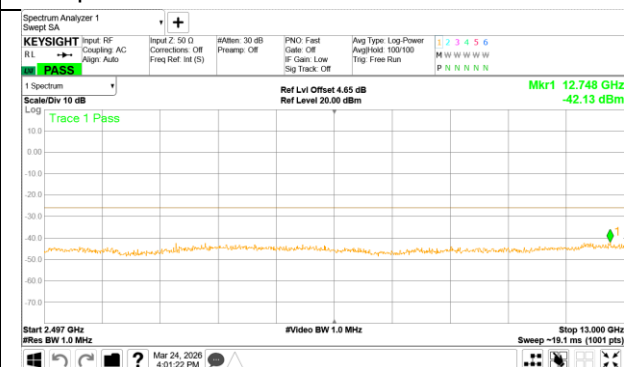
Tx. Spurious 2440MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2440MHz Ant1 2483.5MHz-2496.5MHz

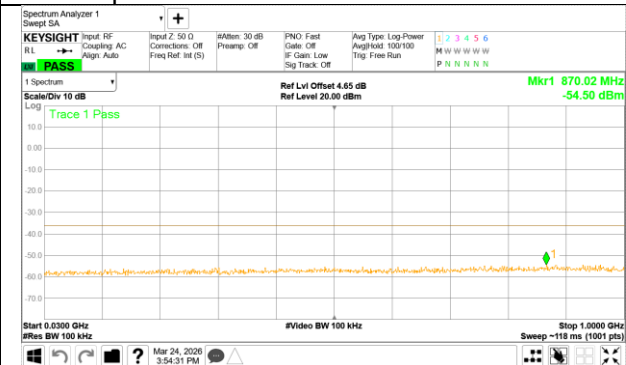


Tx. Spurious 2440MHz 2496.5MHz-13000MHz

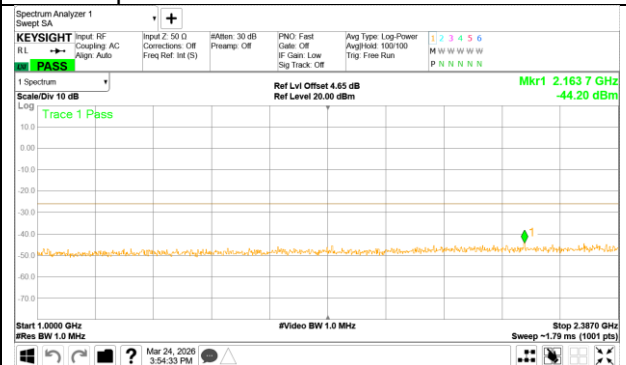


LVNT Test Graphs

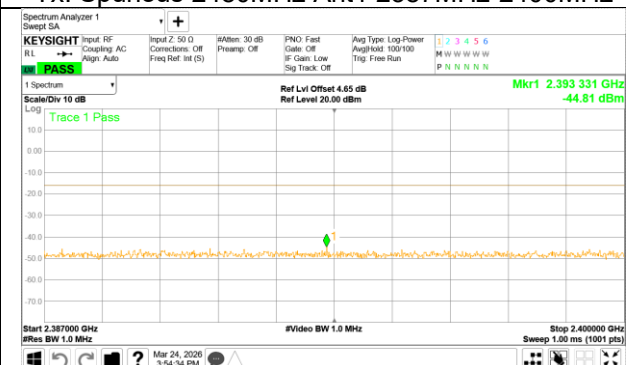
Tx. Spurious 2480MHz Ant1 30MHz-1000MHz



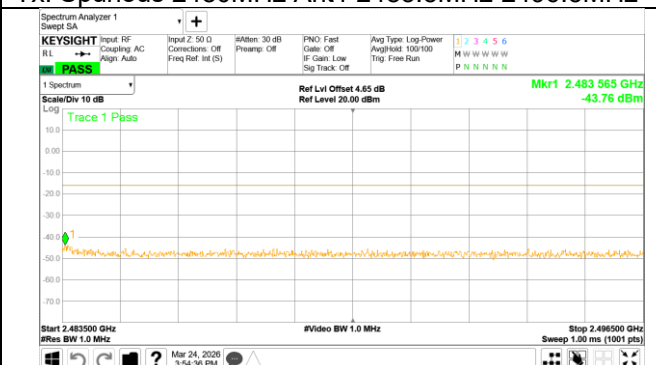
Tx. Spurious 2480MHz Ant1 1000MHz-2387MHz



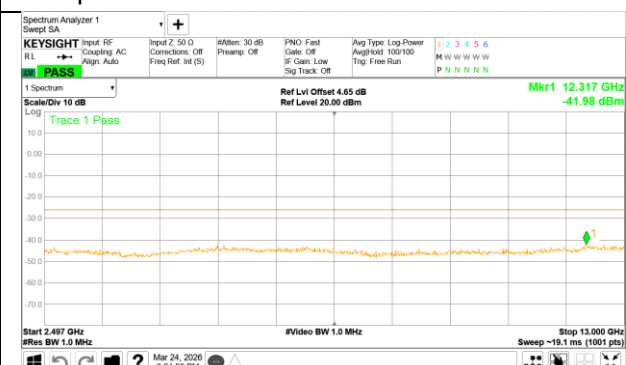
Tx. Spurious 2480MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2480MHz Ant1 2483.5MHz-2496.5MHz

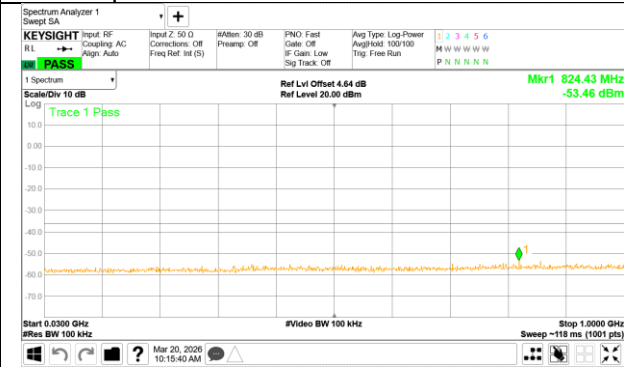


Tx. Spurious 2480MHz 2496.5MHz-13000MHz

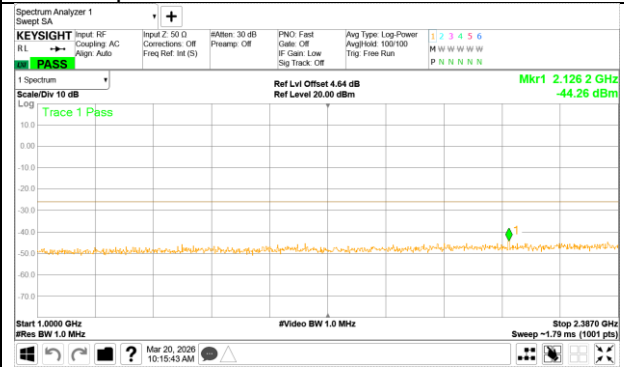


NVNT Test Graphs

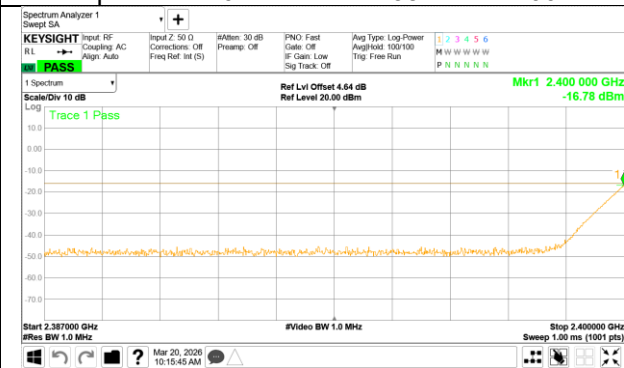
Tx. Spurious 2402MHz Ant1 30MHz-1000MHz



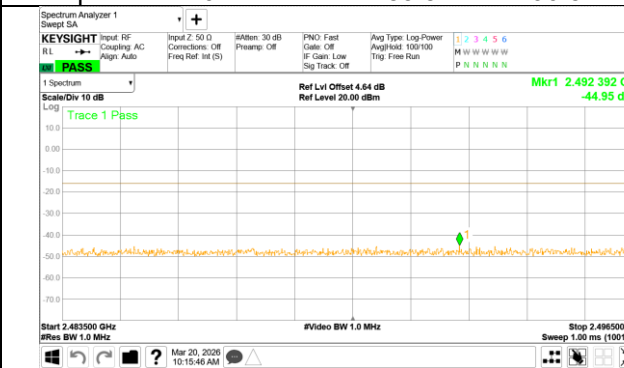
Tx. Spurious 2402MHz Ant1 1000MHz-2387MHz



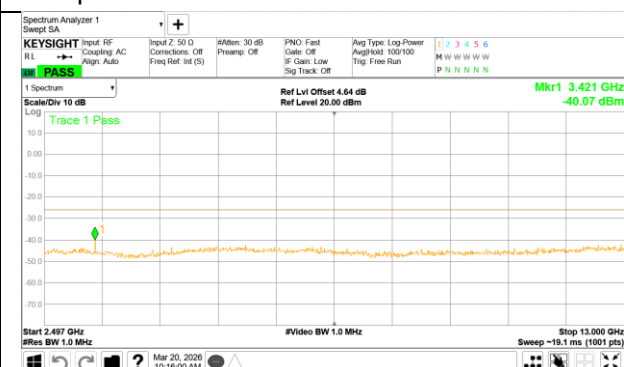
Tx. Spurious 2402MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2402MHz Ant1 2483.5MHz-2496.5MHz

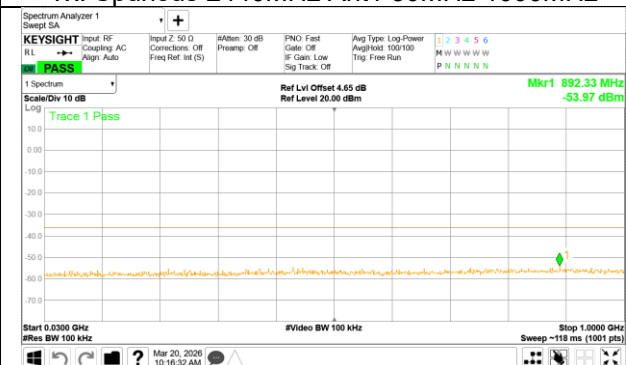


Tx. Spurious 2402MHz 2496.5MHz-13000MHz

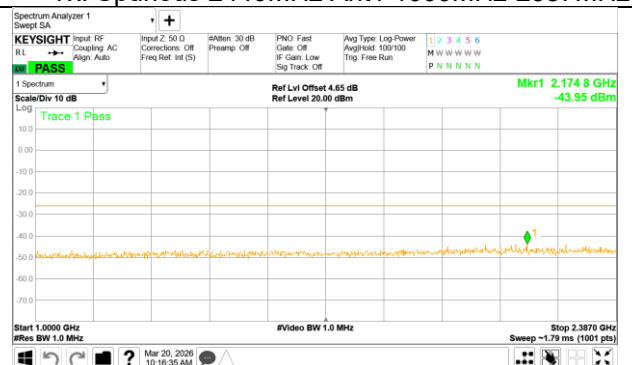


NVNT Test Graphs

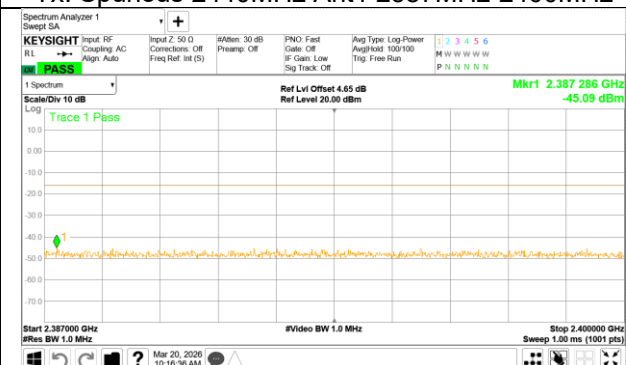
Tx. Spurious 2440MHz Ant1 30MHz-1000MHz



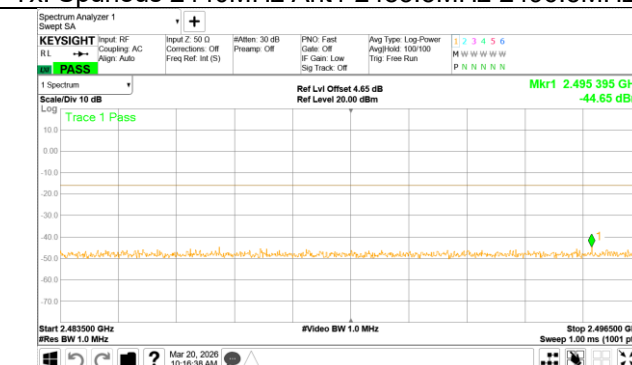
Tx. Spurious 2440MHz Ant1 1000MHz-2387MHz



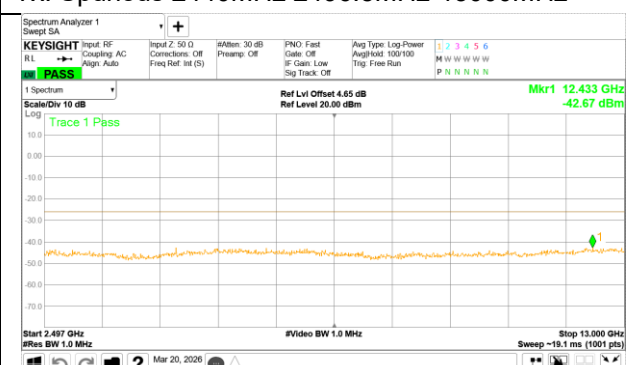
Tx. Spurious 2440MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2440MHz Ant1 2483.5MHz-2496.5MHz

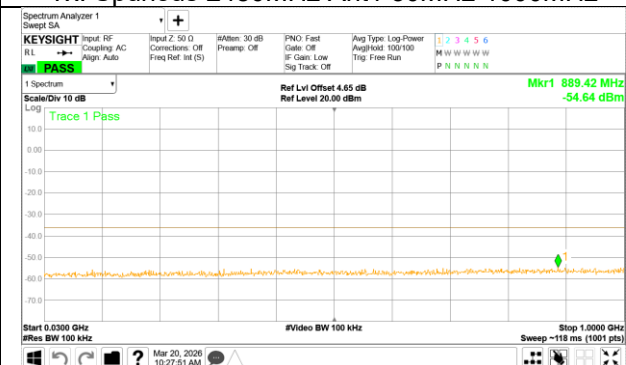


Tx. Spurious 2440MHz 2496.5MHz-13000MHz

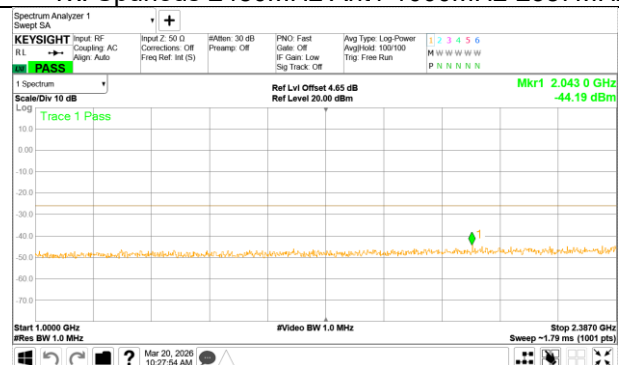


NVNT Test Graphs

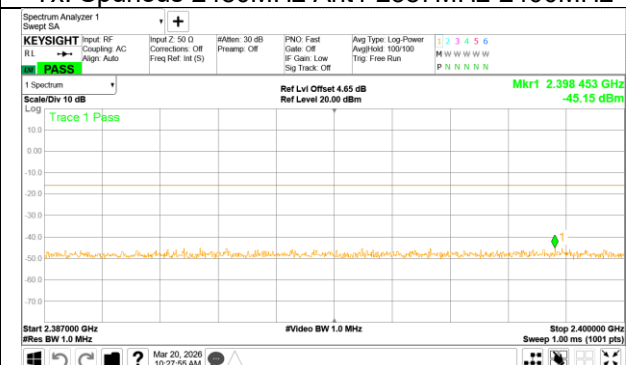
Tx. Spurious 2480MHz Ant1 30MHz-1000MHz



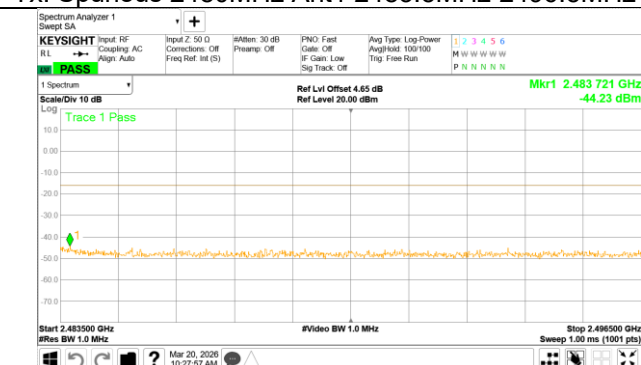
Tx. Spurious 2480MHz Ant1 1000MHz-2387MHz



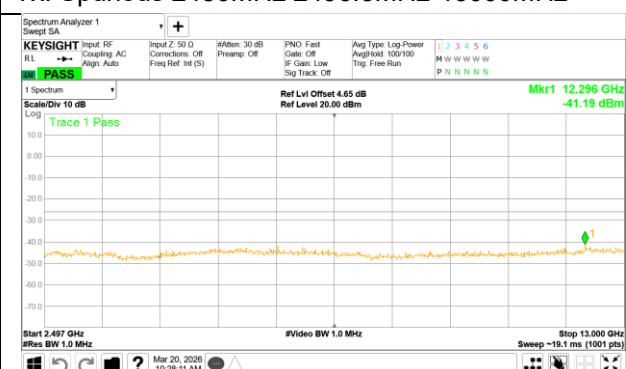
Tx. Spurious 2480MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2480MHz Ant1 2483.5MHz-2496.5MHz

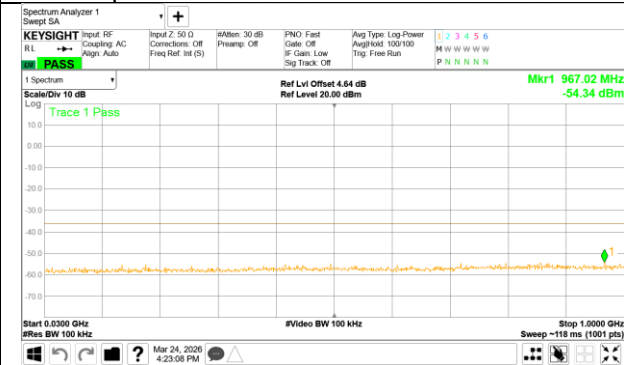


Tx. Spurious 2480MHz 2496.5MHz-13000MHz

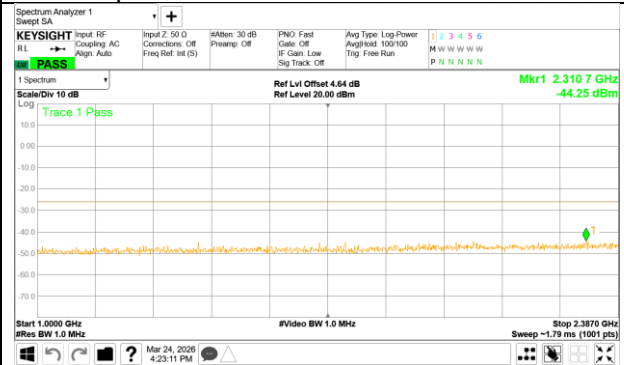


HVNT Test Graphs

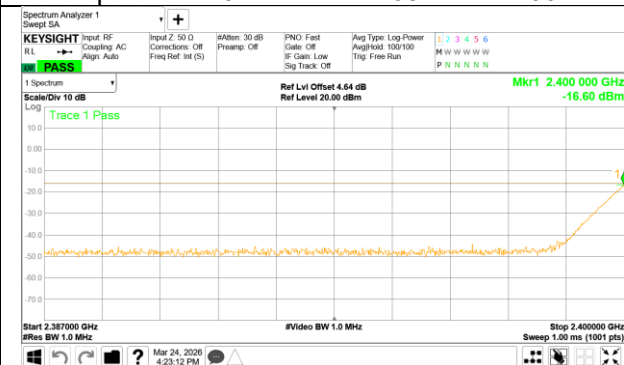
Tx. Spurious 2402MHz Ant1 30MHz-1000MHz



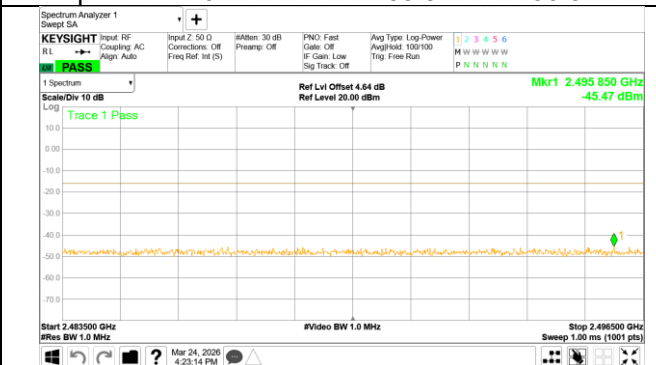
Tx. Spurious 2402MHz Ant1 1000MHz-2387MHz



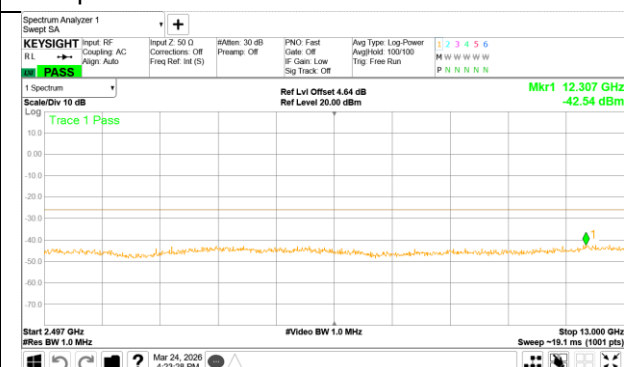
Tx. Spurious 2402MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2402MHz Ant1 2483.5MHz-2496.5MHz

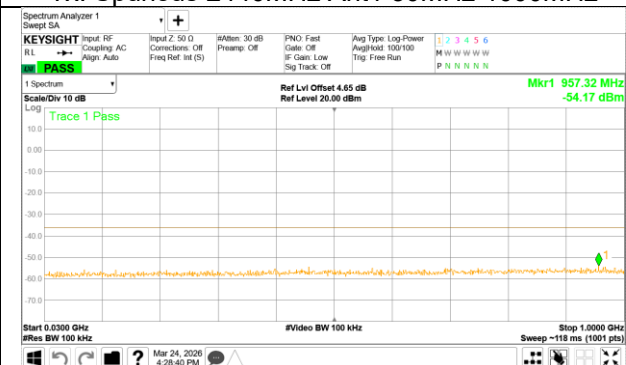


Tx. Spurious 2402MHz 2496.5MHz-13000MHz

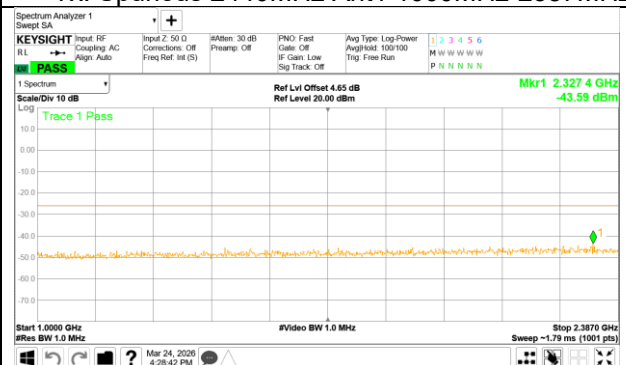


HVNT Test Graphs

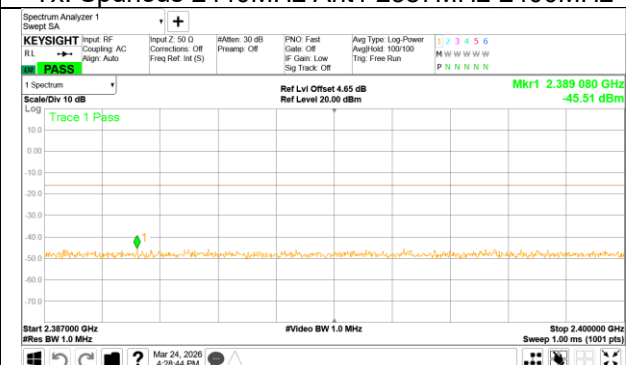
Tx. Spurious 2440MHz Ant1 30MHz-1000MHz



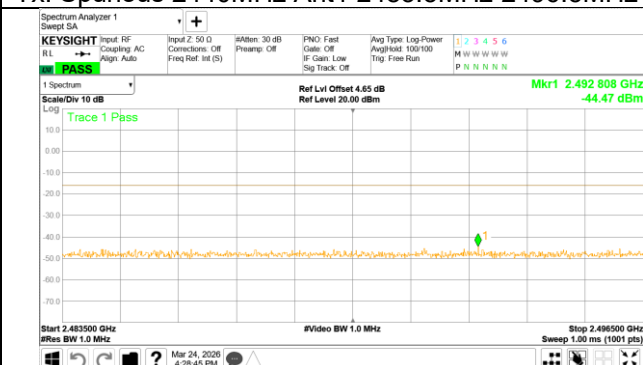
Tx. Spurious 2440MHz Ant1 1000MHz-2387MHz



Tx. Spurious 2440MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2440MHz Ant1 2483.5MHz-2496.5MHz

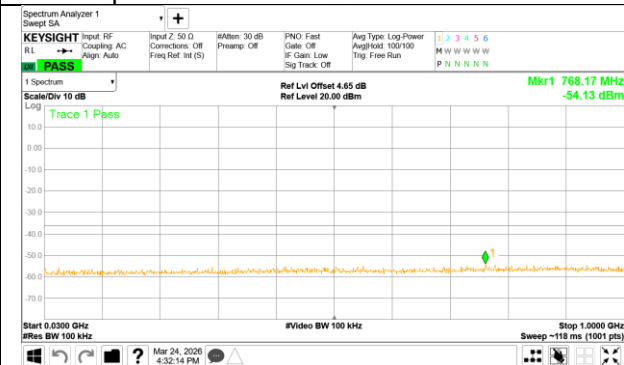


Tx. Spurious 2440MHz 2496.5MHz-13000MHz

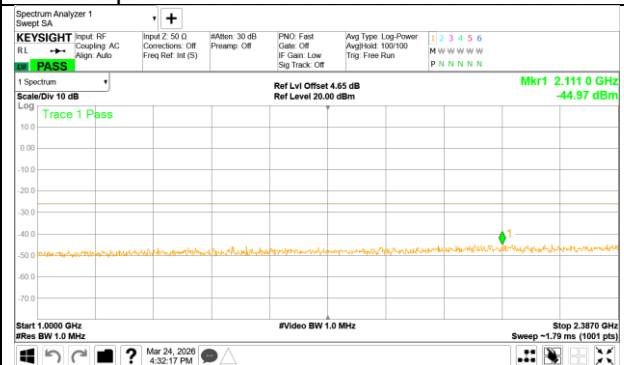


HVNT Test Graphs

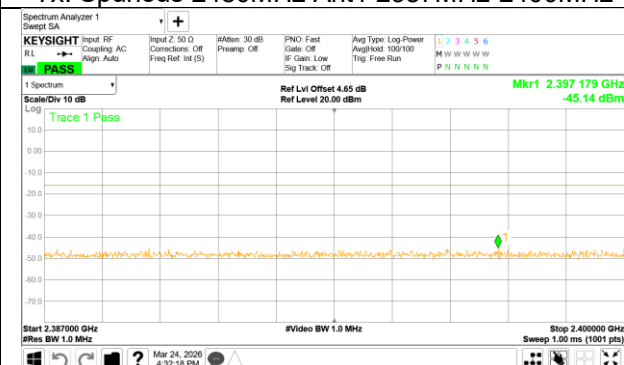
Tx. Spurious 2480MHz Ant1 30MHz-1000MHz



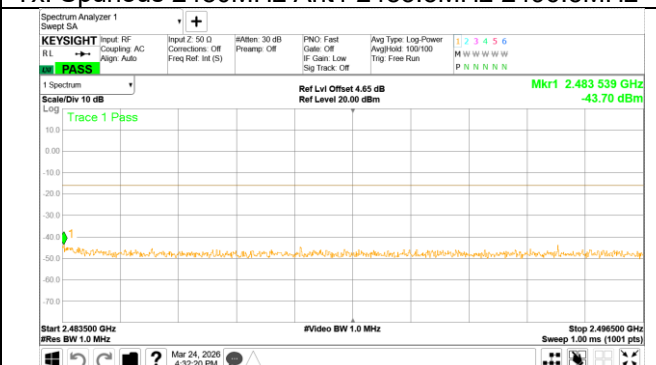
Tx. Spurious 2480MHz Ant1 1000MHz-2387MHz



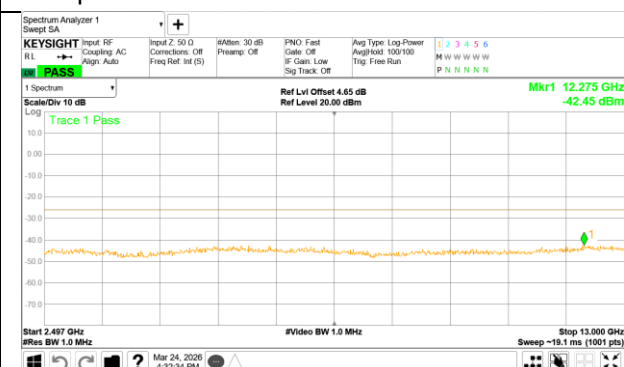
Tx. Spurious 2480MHz Ant1 2387MHz-2400MHz



Tx. Spurious 2480MHz Ant1 2483.5MHz-2496.5MHz



Tx. Spurious 2480MHz 2496.5MHz-13000MHz



3.7 Secondary Emittted Radio Wave Strength

3.7.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.7.2 Limit

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4 nW or less at a frequency below 1 GHz and 20 nW or less at a frequency of 1 GHz or higher as measured using the circuit.

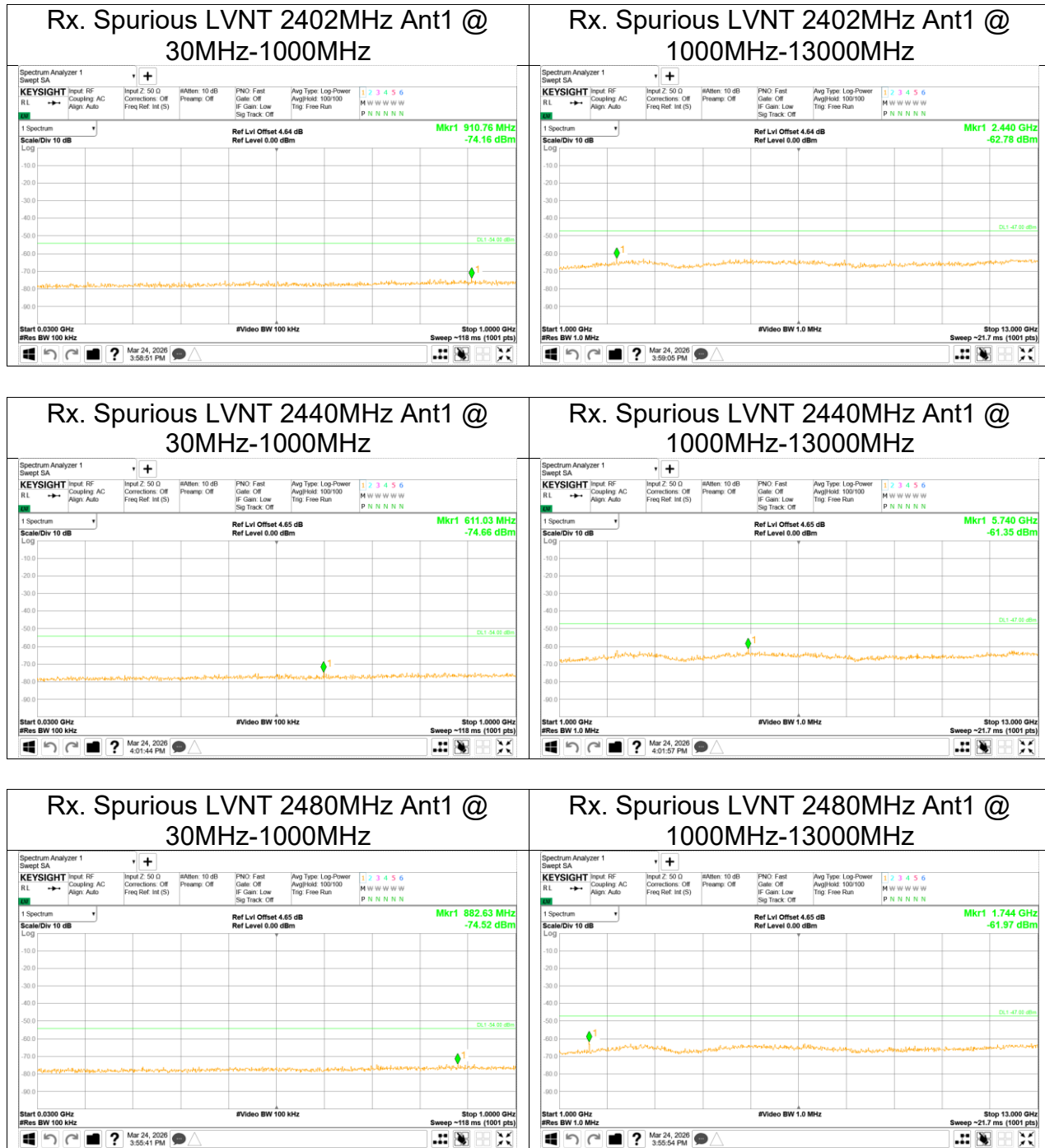
3.7.3 Test Result

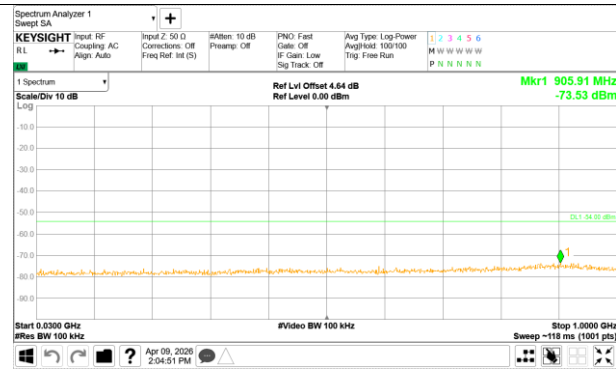
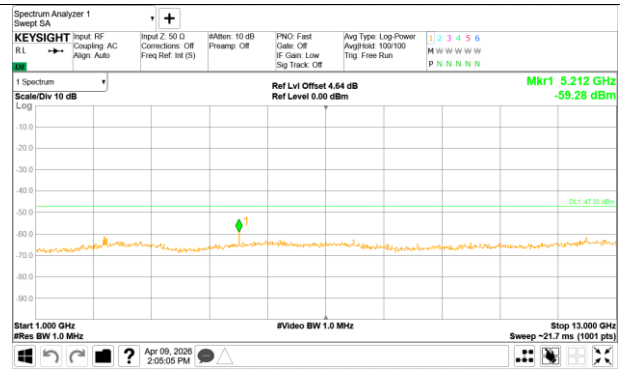
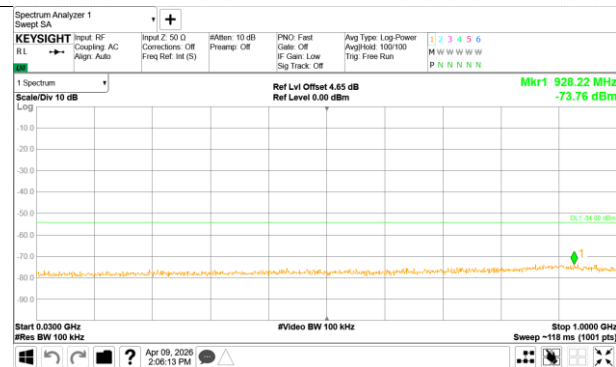
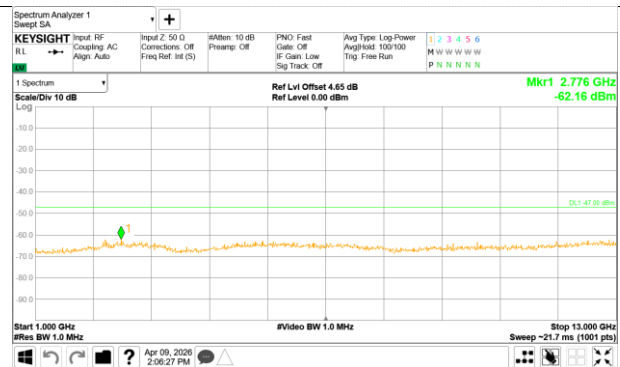
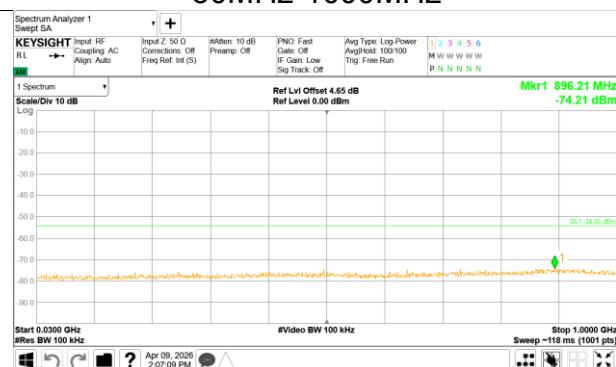
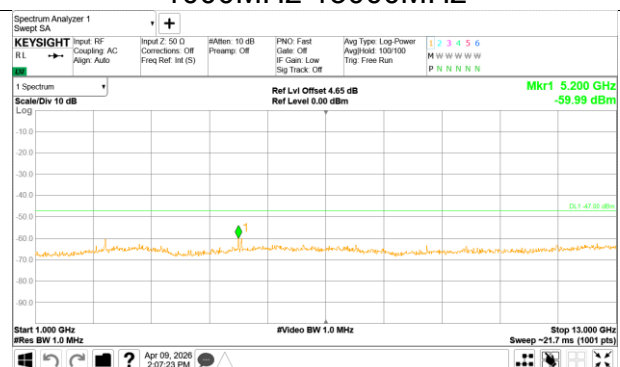
Test Condition	Test Mode	Channel (MHz)	Freq., Range (MHz)	Emission Frequency (MHz)	Result (nW)	Limit (nW)	Verdict
LVNT	BLE 2M	2402	30~1000	910.76	0.038282	4.0	PASS
LVNT	BLE 2M	2402	1000~13000	2440	0.527230	20.0	PASS
LVNT	BLE 2M	2440	30~1000	611.03	0.034198	4.0	PASS
LVNT	BLE 2M	2440	1000~13000	5740	0.732825	20.0	PASS
LVNT	BLE 2M	2480	30~1000	882.63	0.035318	4.0	PASS
LVNT	BLE 2M	2480	1000~13000	1744	0.635331	20.0	PASS
Test Condition	Test Mode	Channel (MHz)	Freq., Range (MHz)	Emission Frequency (MHz)	Result (nW)	Limit (nW)	Verdict
NTNV	BLE 2M	2402	30~1000	905.91	0.044361	4.0	PASS
NTNV	BLE 2M	2402	1000~13000	5212	1.180321	20.0	PASS
NTNV	BLE 2M	2440	30~1000	928.22	0.042073	4.0	PASS
NTNV	BLE 2M	2440	1000~13000	2776	0.608135	20.0	PASS
NTNV	BLE 2M	2480	30~1000	896.21	0.037931	4.0	PASS
NTNV	BLE 2M	2480	1000~13000	5200	1.002305	20.0	PASS
Test Condition	Test Mode	Channel (MHz)	Freq., Range (MHz)	Emission Frequency (MHz)	Result (nW)	Limit (nW)	Verdict
HVNT	BLE 2M	2402	30~1000	956.35	0.036224	4.0	PASS
HVNT	BLE 2M	2402	1000~13000	2404	1.285287	20.0	PASS
HVNT	BLE 2M	2440	30~1000	967.02	0.048865	4.0	PASS
HVNT	BLE 2M	2440	1000~13000	3040	0.557186	20.0	PASS
HVNT	BLE 2M	2480	30~1000	754.59	0.040272	4.0	PASS
HVNT	BLE 2M	2480	1000~13000	12268	0.602560	20.0	PASS

3.7.4 Test Result

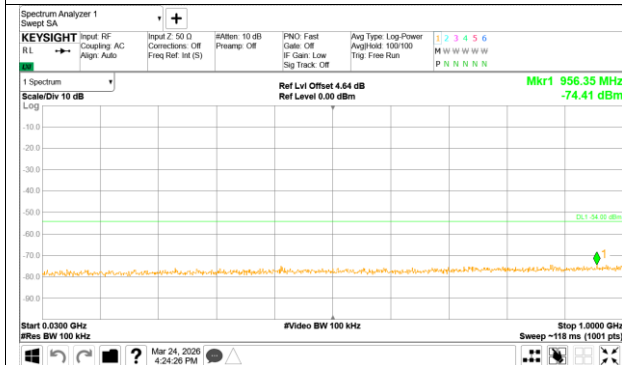
The equipment met the requirement of this clause.

3.7.5 Test Graph

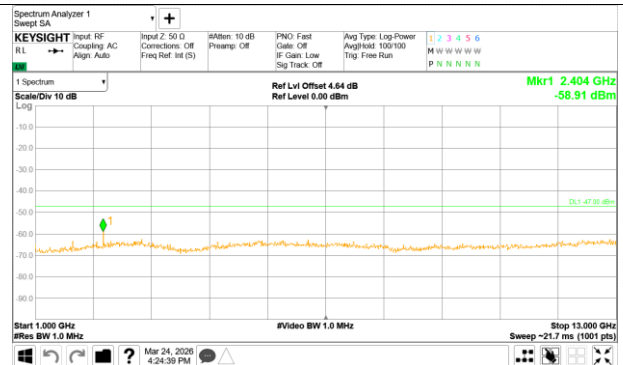


**Rx. Spurious NVNT 2402MHz Ant1 @
30MHz-1000MHz****Rx. Spurious NVNT 2402MHz Ant1 @
1000MHz-13000MHz****Rx. Spurious NVNT 2440MHz Ant1 @
30MHz-1000MHz****Rx. Spurious NVNT 2440MHz Ant1 @
1000MHz-13000MHz****Rx. Spurious NVNT 2480MHz Ant1 @
30MHz-1000MHz****Rx. Spurious NVNT 2480MHz Ant1 @
1000MHz-13000MHz**

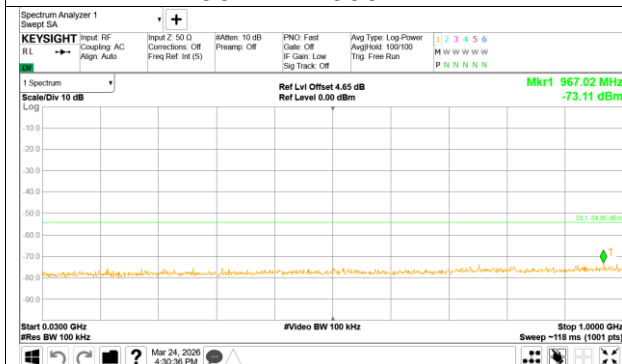
Rx. Spurious HVNT 2402MHz Ant1 @ 30MHz-1000MHz



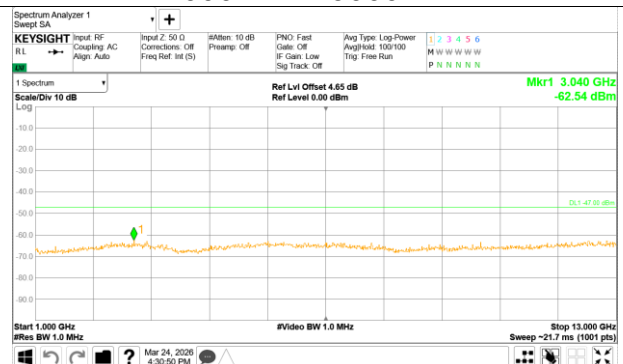
Rx. Spurious HVNT 2402MHz Ant1 @ 1000MHz-13000MHz



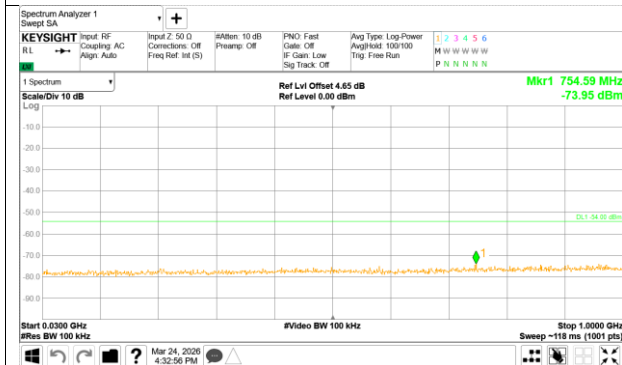
Rx. Spurious HVNT 2440MHz Ant1 @ 30MHz-1000MHz



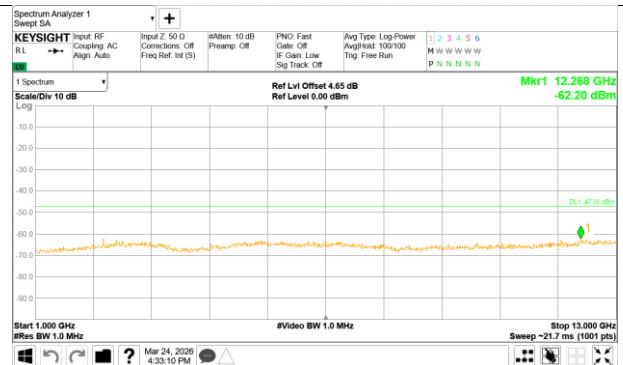
Rx. Spurious HVNT 2440MHz Ant1 @ 1000MHz-13000MHz



Rx. Spurious HVNT 2480MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious HVNT 2480MHz Ant1 @ 1000MHz-13000MHz



3.8 Interference prevention function

3.8.1 Test condition

Date of testing:	03/20/2026~03/24/2026
Channel:	2402MHz, 2440MHz, 2480MHz
Test position:	Transmitting
Ambient temperature:	15-35 °C
Relative humidity:	30-60 %
Atmosphere Pressure:	860 – 1060 hPa

3.8.2 Limit

Item	Limits
Identification Code	≥48 bits

Measured Result: 62 df 70 38 cl a4

Complies. EUT displayed a valid identification. In real life applications, the EUT is programmed to connect with specific host only.

3.8.3 Result

The equipment met the requirement of this clause.



4 Photographs of Test Set-ups

Refer to the < Test Setup photos >.



5 Photographs of EUT

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

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