

Article 2 Paragraph 1, item 19

TEST REPORT

For

Portable Power Station

MODEL NUMBER: SR0KW3L-SG2-JP, PS300 Pro W-JP, SR0KW3L-SG3-JP, PS300 Pro-JP, Nomad S300, ENPP00300JPBL-P, TA-PN0K3QI- JP-BK1, TA-PN0K3QI-JP-BG1, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1, XP2UW300JPCA

REPORT NUMBER: E04A25120042J01201

ISSUE DATE: April 25, 2026

Prepared for

CE LINK LIMITED

**ROOM 2204 22/F TUNG CHIU COMMERCIAL CENTRE 193 LOCKHART ROAD
WANCHAI HONG KONG SAR CHINA**

Prepared by

Guangdong Global Testing Technology Co., Ltd.

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,
Dongguan city, Guangdong, People's Republic of China, 523808**

This report is based on a single evaluation of the submitted sample(s) of the above mentioned Product, it does not imply an assessment of the production of the products.

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	April 25, 2026	Initial Issue	

Summary of Test Results

Test Item	Clause	Result
Frequency tolerance	Article 2 Paragraph 1, item 19	Pass
Antenna power	Article 2 Paragraph 1, item 19	Pass
Spurious emission intensity	Article 2 Paragraph 1, item 19	Pass
Occupied bandwidth	Article 2 Paragraph 1, item 19	Pass
Receiver – limit of secondarily emitted radio wave strength	Article 2 Paragraph 1, item 19	Pass
Radio Interference prevention function	Article 2 Paragraph 1, item 19	Pass
Carrier sense capability	Article 2 Paragraph 1, item 19	Pass

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to < Article 2 Paragraph 1, item 19> when <Accuracy Method> decision rule is applied.

CONTENTS

1. ATTESTATION OF TEST RESULTS.....	5
2. TEST METHODOLOGY.....	6
3. FACILITIES AND ACCREDITATION.....	6
4. CALIBRATION AND UNCERTAINTY	7
4.1. <i>MEASURING INSTRUMENT CALIBRATION</i>	<i>7</i>
4.2. <i>MEASUREMENT UNCERTAINTY.....</i>	<i>7</i>
5. EQUIPMENT UNDER TEST	8
5.1. <i>DESCRIPTION OF EUT</i>	<i>8</i>
5.2. <i>CHANNEL LIST</i>	<i>10</i>
5.3. <i>TEST POWER SUPPLY</i>	<i>10</i>
5.4. <i>TEST CHANNEL CONFIGURATION.....</i>	<i>10</i>
5.5. <i>THE WORSE CASE POWER SETTING PARAMETER.....</i>	<i>11</i>
5.6. <i>DESCRIPTION OF AVAILABLE ANTENNAS</i>	<i>11</i>
5.7. <i>SUPPORT UNITS FOR SYSTEM TEST.....</i>	<i>12</i>
5.8. <i>SETUP DIAGRAM</i>	<i>13</i>
6. MEASURING EQUIPMENT AND SOFTWARE USED.....	14
7. TEST RESULTS	15
7.1. <i>FREQUENCY ERROR.....</i>	<i>15</i>
7.2. <i>ANTENNA POWER</i>	<i>16</i>
7.3. <i>OCCUPIED BANDWIDTH</i>	<i>18</i>
7.4. <i>SPURIOUS EMISSION INTENSITY</i>	<i>19</i>
7.5. <i>LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER</i>	<i>20</i>
7.6. <i>RADIO INTERFERENCE PREVENTION FUNCTION.....</i>	<i>21</i>
7.7. <i>CARRIER SENSE CAPABILITY</i>	<i>22</i>
8. TEST DATA.....	24
APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION	102
APPENDIX: PHOTOGRAPHS OF THE EUT	103

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: CE LINK LIMITED
Address: ROOM 2204 22/F TUNG CHIU COMMERCIAL CENTRE 193
LOCKHART ROAD WANCHAI HONG KONG SAR CHINA

Manufacturer Information

Company Name: Dongguan Hinen New Energy Technology Co., Ltd
Address: No.24 Dongkang Road, Dalingshan Town, Dongguan City,
Guangdong Province, China

EUT Information

Product Description: Portable Power Station
Model: SR0KW3L-SG2-JP
Series Model: PS300 Pro W-JP, SR0KW3L-SG3-JP, PS300 Pro-JP, Nomad
S300, ENPP00300JPBL-P, TA-PN0K3QI- JP-BK1, TA-PN0K3QI-
JP-BG1, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1,
XP2UW300JPCA

Brand: CE-LINK, , HINEN, , xtorm, , Energizer, teleadapt, Aviva

Sample Received Date: December 08, 2025
Sample Status: Normal
Sample ID: A25120042 012
Date of Tested: December 08, 2025 to December 19, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
Article 2 Paragraph 1, item 19	Pass

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2. TEST METHODOLOGY

All tests were performed in accordance with the standard Article 2 Paragraph 1, item 19.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Items	k	Uncertainty
Occupied bandwidth	1.96	±9.2 PPM
Frequency tolerance	1.96	±9.0 PPM
Dwell time	1.96	±0.57%
Antenna power	1.96	±1.5 dB
Conducted Spurious Emission	1.96	9 kHz-30 MHz: ± 0.95 dB 30 MHz-1 GHz: ± 1.5 dB 1GHz-12.75GHz: ± 1.8 dB 12.75 GHz-26.5 GHz: ± 2.1dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.		

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name		Portable Power Station
Model		SR0KW3L-SG2-JP
Series Model		PS300 Pro W-JP, SR0KW3L-SG3-JP, PS300 Pro-JP, Nomad S300, ENPP00300JPBL-P, TA-PN0K3QI- JP-BK1, TA-PN0K3QI-JP-BG1, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1, XP2UW300JPCA
Hardware Version		V0
Software Version		V0
Input Ratings		Battery capacity: 256Wh, 12.8V $\approx$ 20Ah AC Input: 100-120V~, 50/60Hz, 6A max., 550W max. Solar input: 15-36V $\approx$ 9A max., 140W max. Car input: 12V battery supported, 4A by default AC socket (Inverter Mode): 100V~, 50/60Hz, 3A max., Total 300W max. AC socket (Bypass Mode): 100V~, 50/60Hz, 3A max., Total 300W max. Car charger output: 12.6V $\approx$ 10A, 126W max. USB-C3 output: 5/9/12/15V $\approx$ 3A, 20V $\approx$ 3.25A, 65W max. USB-C1/C2 output: 5V $\approx$ 3A, 9V $\approx$ 2.22A, 20W max. USB-A1 output: 5V $\approx$ 2.4A, 12W max. Wireless charger output: 25W Total output: 300W max.
Power Supply	AC	100V/50Hz
	Battery	

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2412 MHz to 2472 MHz
Type of Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Rated Antenna Power	1.5 mW/MHz for 802.11b 1.5 mW/MHz for 802.11g 1.5 mW/MHz for 802.11n HT20 1 mW/MHz for 802.11n HT40
Antenna Type:	PCB antenna
Antenna Gain:	2.21 dBi
EUT Test software:	Wifi Test Tool v1.6.0 release
Note:	The Antenna Gain was provided by customer, and this information may affect the validity of the results, customer should be responsible for this.

Model list:

Table A

JP socket version	SR0KW3L-SG2-JP, PS300 Pro W-JP, SR0KW3L-SG3-JP, PS300 Pro-JP, Nomad S300, ENPP00300JPBL-P, TA-PN0K3QI- JP-BK1, TA-PN0K3QI- JP-BG1, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1, XP2UW300JPCA
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Table B

have wireless charging function	not have wireless charging function
SR0KW3L-SG2-JP, PS300 Pro W-JP, Nomad S300, ENPP00300JPBL-P, TA-PN0K3QI- JP-BK1, TA-PN0K3QI- JP-BG1	SR0KW3L-SG3-JP, PS300 Pro-JP, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1, XP2UW300JPCA

Table C

Model No.:	Trade mark	
SR0KW3L-SG2-JP, SR0KW3L-SG3-JP	CE-LINK	
PS300 Pro W-JP, PS300 Pro-JP	HINEN	
XP2UW300JPCA	xtorm	
ENPP00300JPBL-P	Energizer	
TA-PN0K3QI- JP-BK1, TA-PN0K3QI- JP-BG1, TA-PN0K3-JP-BK1, TA-PN0K3-JP-BG1	teleadapt	
Nomad S300	Aviva	

5.2. CHANNEL LIST

802.11b/g/n HT20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	5	2432	9	2452	13	2472
2	2417	6	2437	10	2457	/	/
3	2422	7	2442	11	2462	/	/
4	2427	8	2447	12	2467	/	/

802.11n HT40							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452	/	/
4	2427	7	2442	10	2457	/	/
5	2432	8	2447	11	2462	/	/

5.3. TEST POWER SUPPLY

Test Voltage: AC 100V

The EUT is supplied with AC 100V The fluctuation of input voltage to the circuit of RF unit of test equipment is under $\pm 1\%$, when input voltage from AC 100V to the test equipment is fluctuated by $\pm 10\%$, So all measurement was conducted on the rated voltage (AC 100V).

5.4. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency
802.11b	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
802.11g	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
802.11n HT20	CH 1(Low Channel), CH 7(MID Channel), CH 13(High Channel)	2412 MHz, 2442 MHz, 2472 MHz
802.11n HT40	CH 3(Low Channel), CH 7(MID Channel), CH 11(High Channel)	2422 MHz, 2442 MHz, 2462 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

WORST-CASE CONFIGURATIONS

Modulation Type	Data Rate
802.11b	1Mbps
802.11g	6Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

Note: Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band				
Test Software		Wifi Test Tool v1.6.0 release		
Modulation Type	Transmit Antenna Number	Test Software setting value		
		CH 1	CH 7	CH 13
802.11b	1	10	10	10
802.11g	1	30	30	40
802.11n HT20	1	30	30	40
Modulation Type	Transmit Antenna Number	CH 3	CH 7	CH 11
802.11n HT40	1	40	40	40

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2472	PCB Antenna	2.21

Test Mode	Transmit and Receive Mode	Description
802.11b	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11g	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.

5.7. SUPPORT UNITS FOR SYSTEM TEST

The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Laptop	Lenovo	Thinkpad T14	PF-3EAKYR	GTG Support

The following cables were used to form a representative test configuration during the tests.

Item	Type of cable	Shielded Type	Ferrite Core	Length
C-1	USB cable	Shielded	without ferrite	1.0 m

5.8. SETUP DIAGRAM



6. MEASURING EQUIPMENT AND SOFTWARE USED

Test Equipment of Conducted RF					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40	102257	2025/08/25	2026/08/24
Spectrum Analyzer	KEYSIGHT	N9020A	MY51285127	2025/08/25	2026/08/24
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61253075	2025/08/25	2026/08/24
Vector Signal Generator	Rohde & Schwarz	SMM100A	101899	2025/08/25	2026/08/24
RF Control box	MWRF-test	MW100-RFCB	MW220926GTG	2025/08/25	2026/08/24
Wideband Radio Communication Tester	Rohde & Schwarz	CMW270	102792	2025/08/25	2026/08/24
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	103235	2025/08/25	2026/08/24
temperature humidity chamber	Espec	SH-241	SH-241-2014	2025/08/25	2026/08/24
RF Test Software	MWRF-test	MTS8310E (Ver. V2/0)	N/A	N/A	N/A

Note: The instruments and equipment listed in the table are calibrated by Lisai, and the calibration method is referred to item ii c) of Article 24-2 paragraph 4.

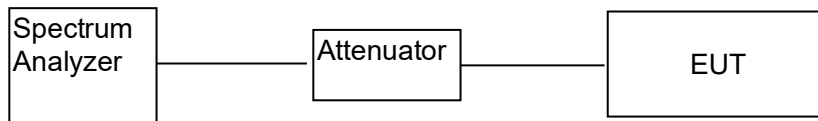
7. TEST RESULTS

7.1. FREQUENCY ERROR

LIMIT

+/- 50×10^{-6} or less (50ppm)

TEST CONFIGURATION



TEST PROCEDURE

1. Configure EUT according clause 2.3 and 4.3
2. Set EUT work in carrier Tx mode as described in clause 2.3
3. Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the channel under test.
Resolution BW: 10KHz.
Video BW: 10KHz.
Span: 1MHz.
Detector: Peak.
Trace Mode: Max Hold.
4. When the trace is complete, find the peak value of the power envelope and record the frequency.

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

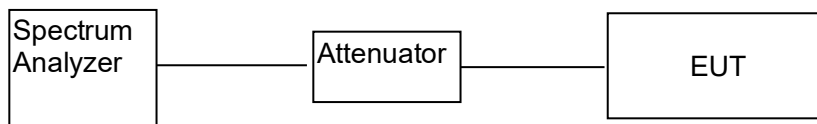
Please refer to "Test Data"-Appendix B

7.2. ANTENNA POWER

LIMIT

Item	Mode	Limits
Antenna Power Density	FH form 2400~2483.5MHz	$\leq 3\text{mW/MHz}$
	OFDM from 2400~2483.5MHz	$\leq 5\text{mW/MHz}$ (HT40)
	OFDM, DS from 2400~2483.5MHz	$\leq 10\text{mW/MHz}$ (HT20)
	Other from 2400~2483.5MHz	$\leq 10\text{mW}$
Antenna Power Error	+20% (Base on manufacturer declare antenna power density)	

TEST CONFIGURATION



TEST PROCEDURE

- Set the spectrum analyzer as follows to search the frequency giving the maximum antenna power:
 Center frequency: Center frequency of service bandwidth (e.g. 2412 MHz)
 Frequency sweep width: 3 MHz
 Resolution bandwidth: 1 MHz
 Video bandwidth: Approximately 3 times the resolution bandwidth (e.g. 3 MHz)
 Sweep time: Minimum time to ensure the measuring accuracy (In case of burst wave, one burst shall be included per data point).
 Trigger condition: Free run
 Data points: 400 points or more (e.g. 1001 points)
 Sweep mode: Continuous sweep
 Detection mode: Positive peak
 Indication mode: Maximum hold
- Set the spectrum analyzer as follows for measuring antenna power. Connect the power meter to the IF output of spectrum analyzer, and calibrate the indication of the power meter to the output value of the EUT.
 Center frequency: Frequency giving the maximum power (searched frequency)
 Frequency sweep width: 0 Hz
 Resolution bandwidth: 1 MHz
 Video bandwidth: Approximately the same bandwidth as resolution bandwidth
 Sweep mode: Continuous sweep

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to "Test Data"-Appendix B

Note:

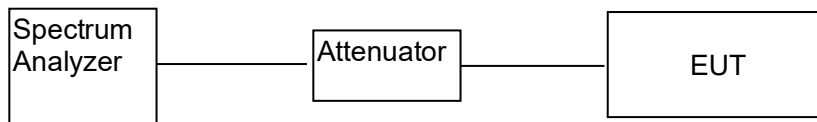
1. $\text{Antenna Power(mW/MHz)} = 10^{(\text{Power(dBm/MHz)} / 10)}$
2. $\text{Tolerance(\%)} = (\text{Antenna Power(mW/MHz)} - \text{Declared Power(mW/MHz)}) / \text{Declared Power(mW/MHz)} * 100$
3. $\text{Antenna Power(dBm/MHz)} = \log_{10}(\text{Antenna Power(mW/MHz)}) * 10$
4. $\text{EIRP Power(dBm/MHz)} = \text{Antenna Power(dBm/MHz)} + \text{Gain(dBi)}$

7.3. OCCUPIED BANDWIDTH

LIMIT

Occupied bandwidth: FH $\leq$ 83.5 MHz; OFDM $\leq$ 26 MHz, DS $\leq$ 26 MHz; Others $\leq$ 26 MHz;
26 MHz $\leq$ HT40 $\leq$ 40 MHz

TEST CONFIGURATION



TEST PROCEDURE

1. Spectrum analyzer shall be follows:
Center frequency: Center frequency of service band (e.g. 2412 MHz).
Frequency sweep width: Approximately 2 to 3 times of the tolerance value (e.g. 40 MHz).
Resolution bandwidth: Approximately 3% of tolerance value (e.g. 300 kHz)
Video bandwidth: Approximately the same as the resolution bandwidth.
Y-axis scale: 10dB/Div.
Input level: Carrier level shall be enough higher than floor noise of spectrum analyzer.
Sweep time: Minimum time to ensure the measuring accuracy (In case of burst wave, one burst shall be included per data point.)
Data points: 400 points or more (e.g. 1001 points)
Sweep mode: Continuous
Detection mode: Positive peak
Display mode: Maximum hold
2. The values measured by the spectrum analyzer shall be processed by external or internal computer.

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

Please refer to "Test Data"-Appendix B

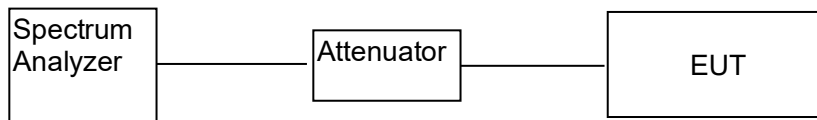
7.4. SPURIOUS EMISSION INTENSITY

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

TEST CONFIGURATION



TEST PROCEDURE

Spectrum Analyzer	Setting
Attenuation	Auto
RBW	100 kHz: $30\text{ MHz} \leq f < 1000\text{ MHz}$ 1 MHz: $1000\text{ MHz} \leq f < 5\text{th Harmonics}$
VBW	100 kHz: $30\text{ MHz} \leq f < 1000\text{ MHz}$ 1 MHz: $1000\text{ MHz} \leq f < 5\text{th Harmonics}$
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

- EUT have the continuous reception mode and fixed only one channelize.
- Setting of SA is following as 30MHz and stop frequency 1000MHz Then to mark peak reading value + cable loss shall be less than 0.25 $\mu\text{W}/100\text{kHz}$ (-36dBm/100kHz).
- Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5 $\mu\text{W}/\text{MHz}$ (-26dBm/1MHz).
- SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25 $\mu\text{W}/\text{MHz}$ (-16dBm/1MHz).
- SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25 $\mu\text{W}/\text{MHz}$ (-16dBm/1MHz).
- SA adjusted to start frequency 2496.5MHz and stop frequency 13000MHz Then to mark peak reading value + cable loss shall be less than 2.5 $\mu\text{W}/\text{MHz}$ (-26dBm/1MHz).

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

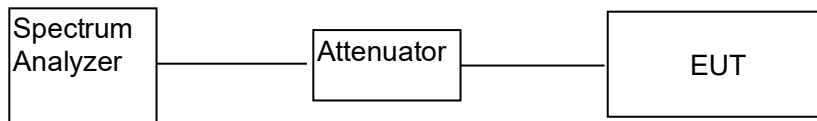
Please refer to "Test Data"-Appendix B

7.5. LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER

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.

TEST CONFIGURATION



TEST PROCEDURE

Spectrum Analyzer	Setting
Attenuation	Auto
RBW	100 kHz: 30 MHz $\leq$ f < 1000 MHz 1 MHz: 1000 MHz $\leq$ f < 5th Harmonics
VBW	100 kHz: 30 MHz $\leq$ f < 1000 MHz 1 MHz: 1000 MHz $\leq$ f < 5th Harmonics
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have the continuous reception mode and fixed only one channelize.
2. Start frequency 30MHz and Stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
3. Start frequency 1000MHz and Stop frequency 5th Harmonics. Search to mark peak reading value + cable loss shall be less than 20nW

TEST ENVIRONMENT

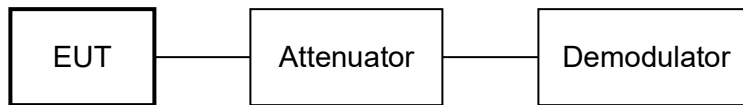
Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

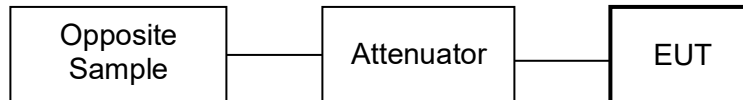
Please refer to "Test Data"-Appendix B

7.6. RADIO INTERFERENCE PREVENTION FUNCTION

(1) In case identification code is transmitted



(2) In case identification code is received



(3) Measuring Equipment Conditions

The Demodulator shall demodulate the TX-signal transmitted by the EUT and be able to display the contents of the identification code.

The opposite sample shall be able to transmit TX-signal equivalent to the TX-signal transmitted by the EUT.

(4) Conditions of EUT

The EUT is set on the usual operating mode.

(5) Measurement Procedure

(1) In case the EUT possesses function to transmit identification code automatically
Predetermined identification code is transmitted by the EUT.

Verify the transmitted identification code.

(2) In case the EUT possesses function to receive identification code automatically
Predetermined identification code is transmitted by the opposite sample.

Verify the working of the normal communication.

Other code than the predetermined identification code is transmitted by the opposite sample.

Verify the EUT to stop transmitting or to display that the ID code is different.

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

Test Power	Normal Voltage
Test Mode	Signaling Mode
Test Result	Good, MAC Address: (40: F4: C9: 6C: 6A: EE)

7.7. CARRIER SENSE CAPABILITY

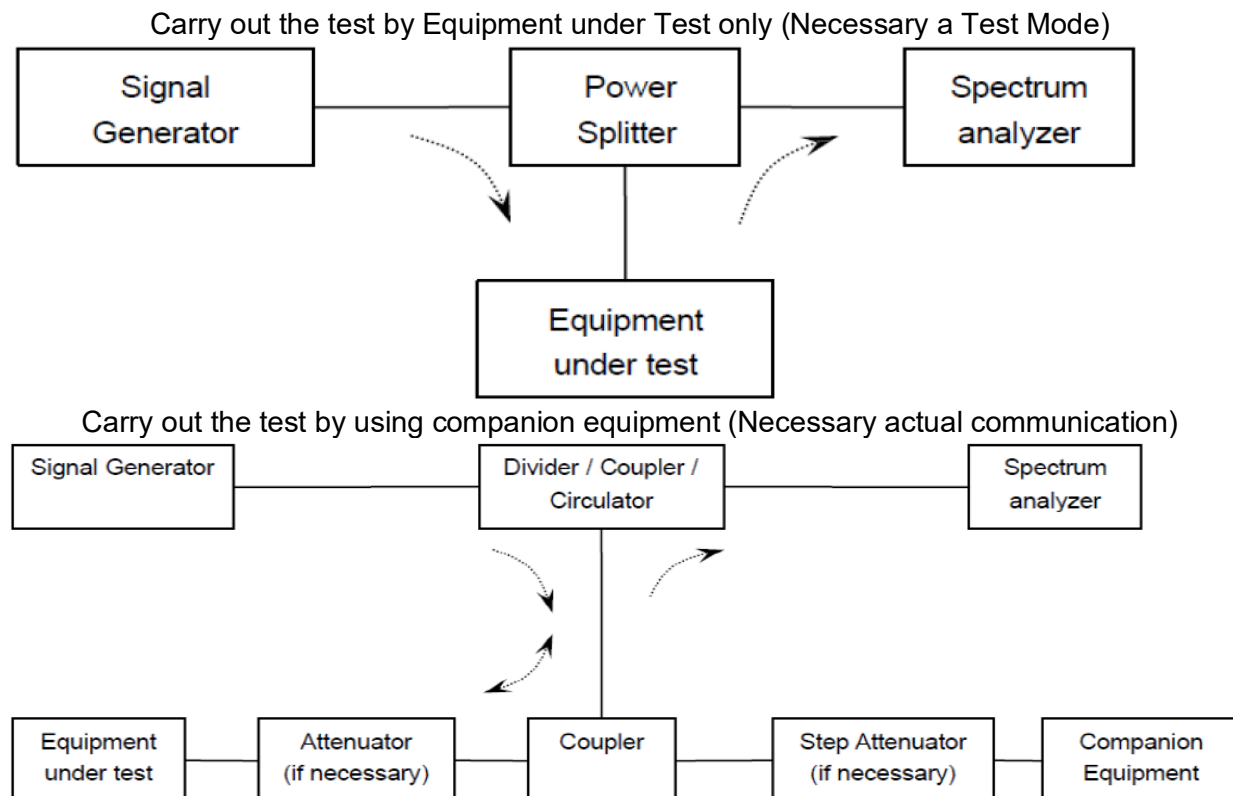
LIMIT

Carrier sensing: When the equipment receives the radio wave which is transmitted from a radio station other than the communication partner station and the field strength at maximal gain direction of receiving antenna power is over 100mV/m, the equipment shall not transmit radio in the same frequency of the other station.

The equipment shall start to transmit after carrier sensing. However, if it is controlled in transmitting or receiving from other station and it transmits again within 4msec. after carrier sensing, carrier sensing can be omitted.

Article 49.20 of the „Ordinance Regulating Radio Equipment “The transmitting equipment with OFDM which occupied bandwidth is 26 – 38MHz and its mean power is 5mW/1MHz shall have a carrier sensing function.

TEST CONFIGURATION



TEST PROCEDURE

- Set the spectrum analyzer as follow:
Resolution bandwidth: 1 MHz
Video bandwidth: 1MHz
Sweep Time: AUTO (Minimum time to ensure measurement accuracy.)
Sweep mode: Continuous Sweep
Detection mode: Positive peak
Storage Mode: Normal
Y-axis scale: 10 dB/Div
Trigger: Free Run

TEST ENVIRONMENT

Temperature	22.3°C	Relative Humidity	50%
Atmosphere Pressure	101kPa		

TEST RESULTS

Test Power	Normal Voltage
Test Mode	802.11n(HT40)
Test Result	Good

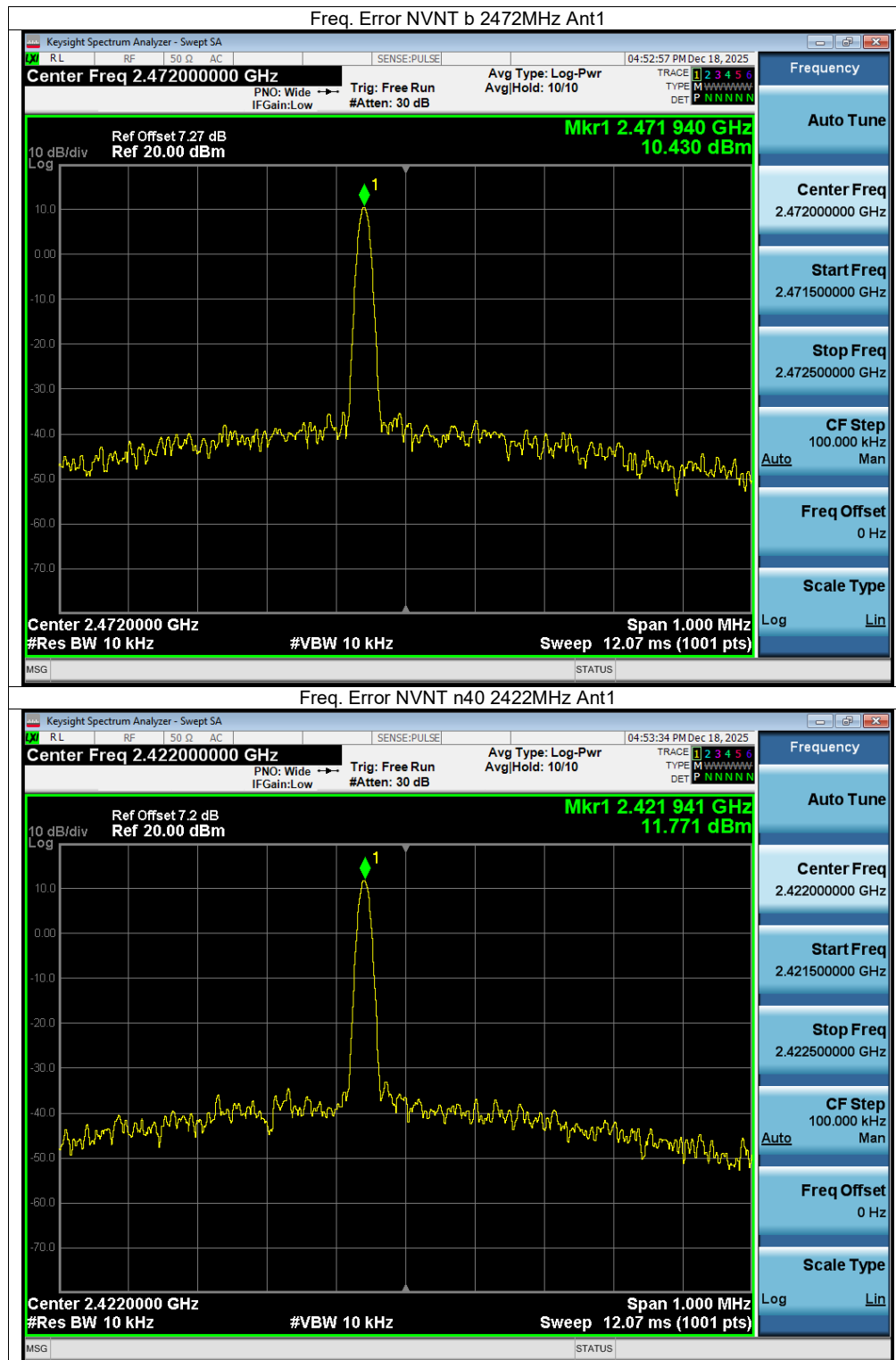
8. TEST DATA

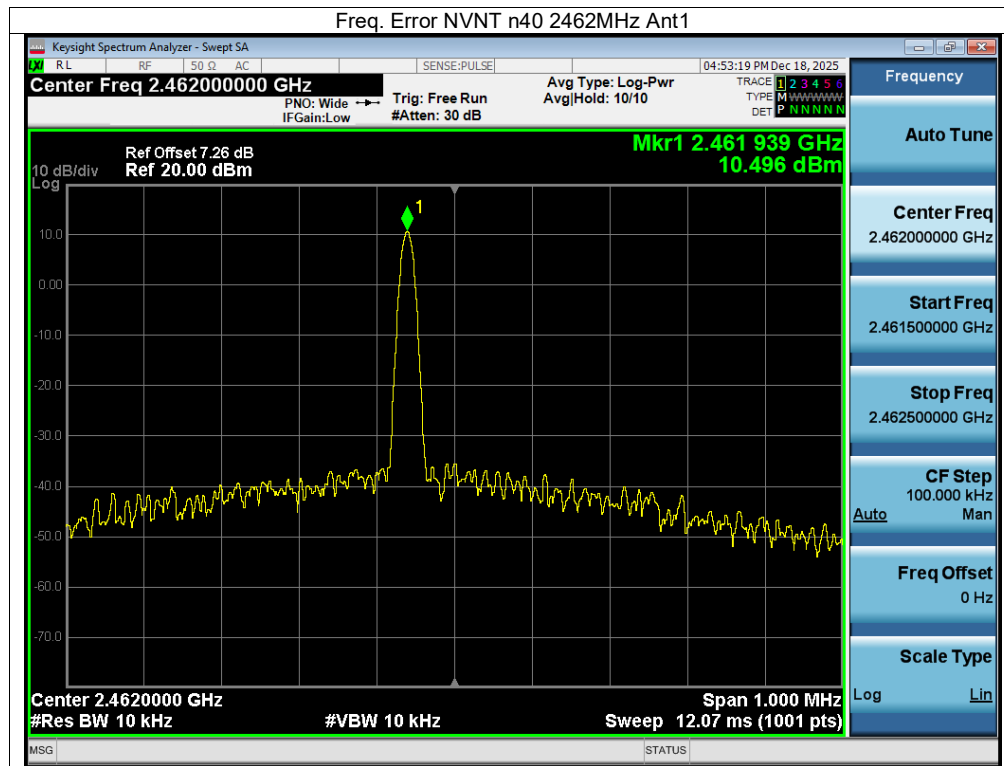
Appendix B

Frequency Error

Condition	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2412	Ant1	2411.943	-57000	-23.63	50	Pass
NVNT	2442	Ant1	2441.942	-58000	-23.75	50	Pass
NVNT	2472	Ant1	2471.94	-60000	-24.27	50	Pass
NVNT	2422	Ant1	2421.941	-59000	-24.36	50	Pass
NVNT	2462	Ant1	2461.939	-61000	-24.78	50	Pass

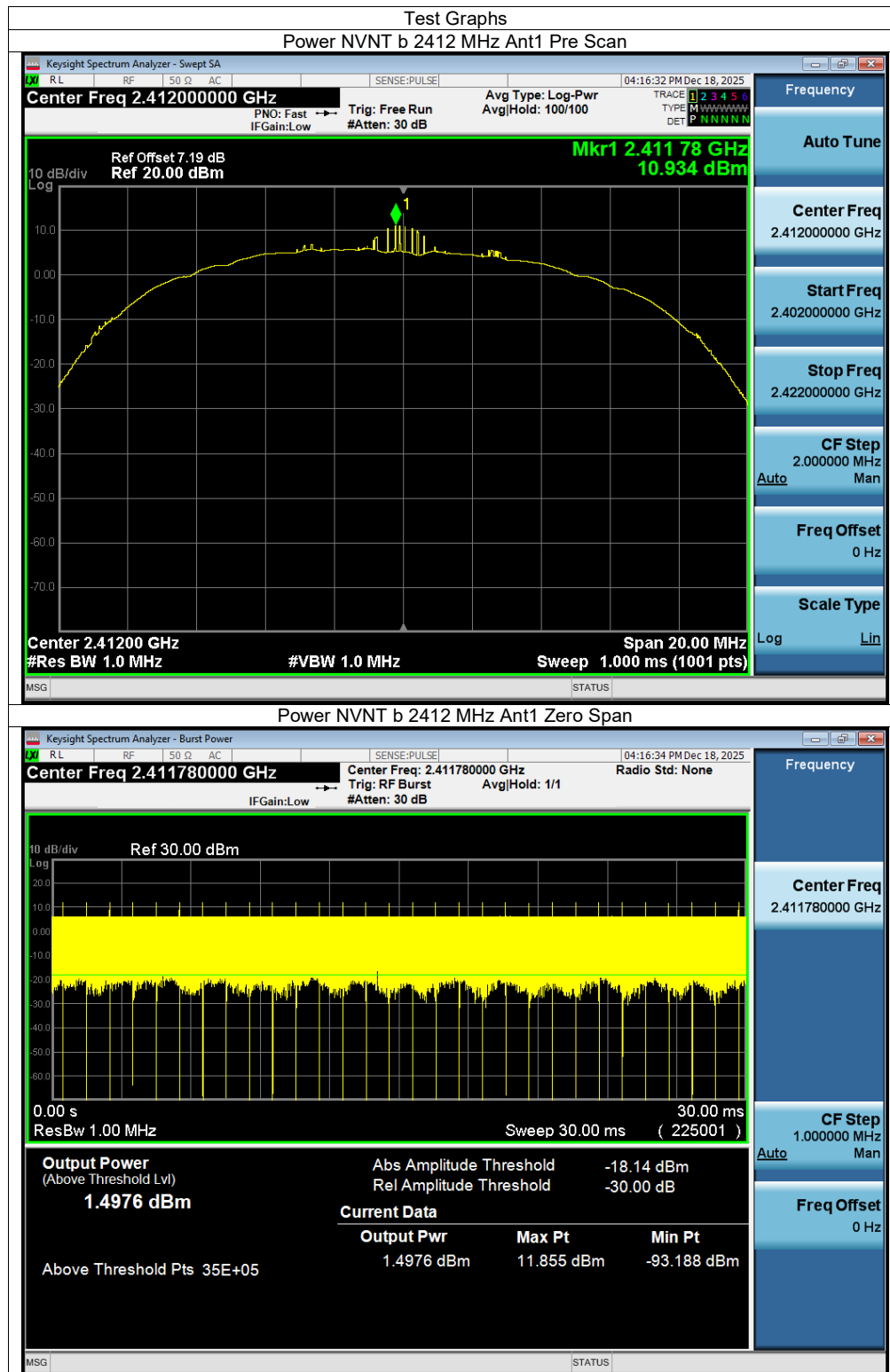


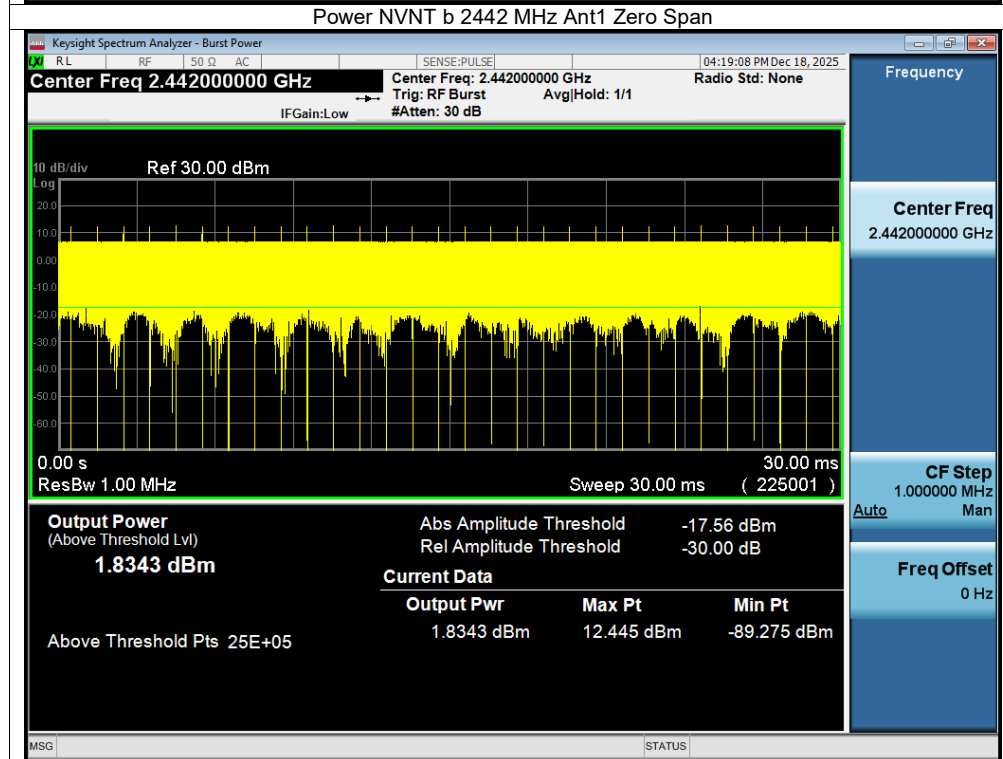


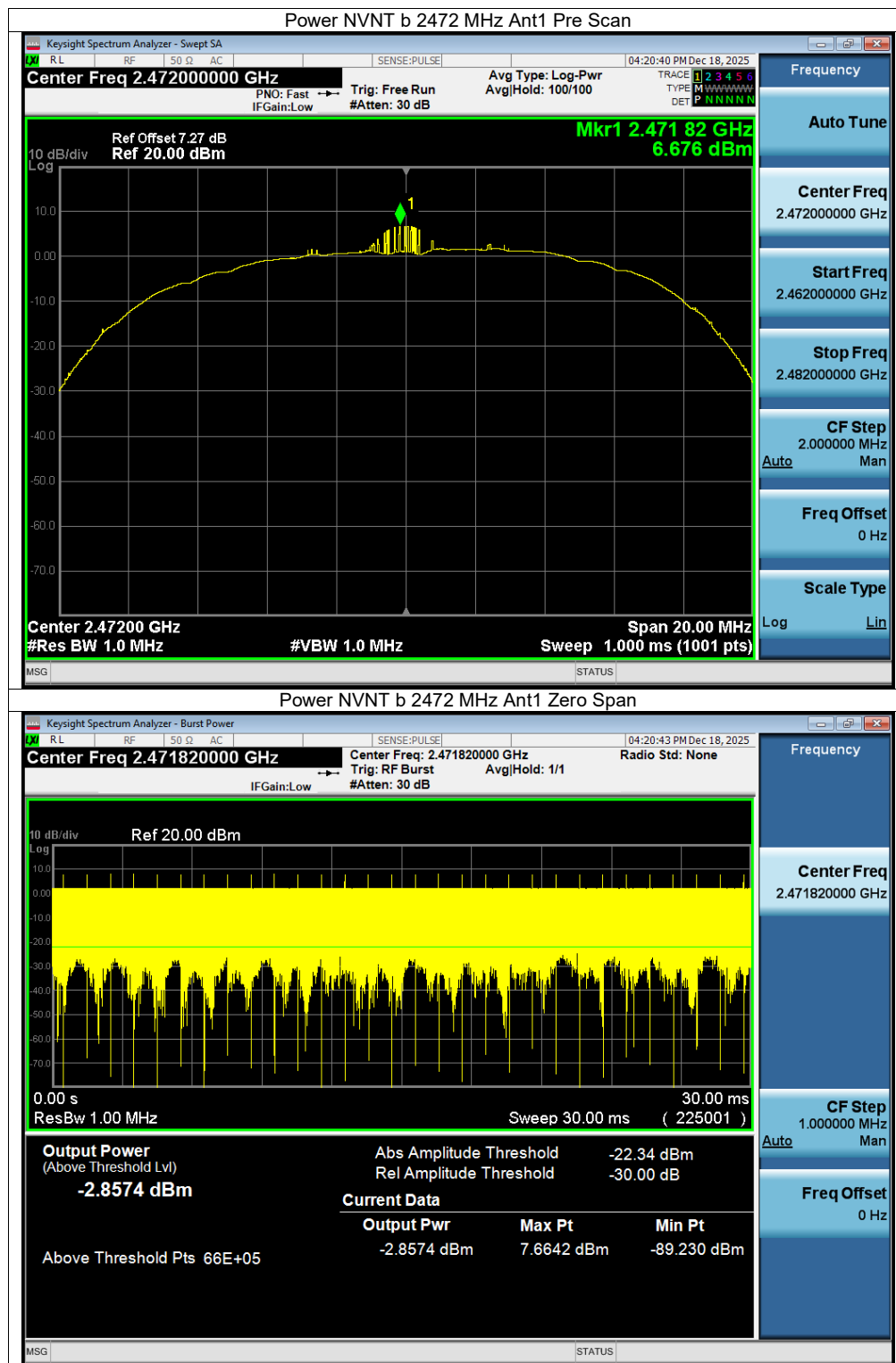


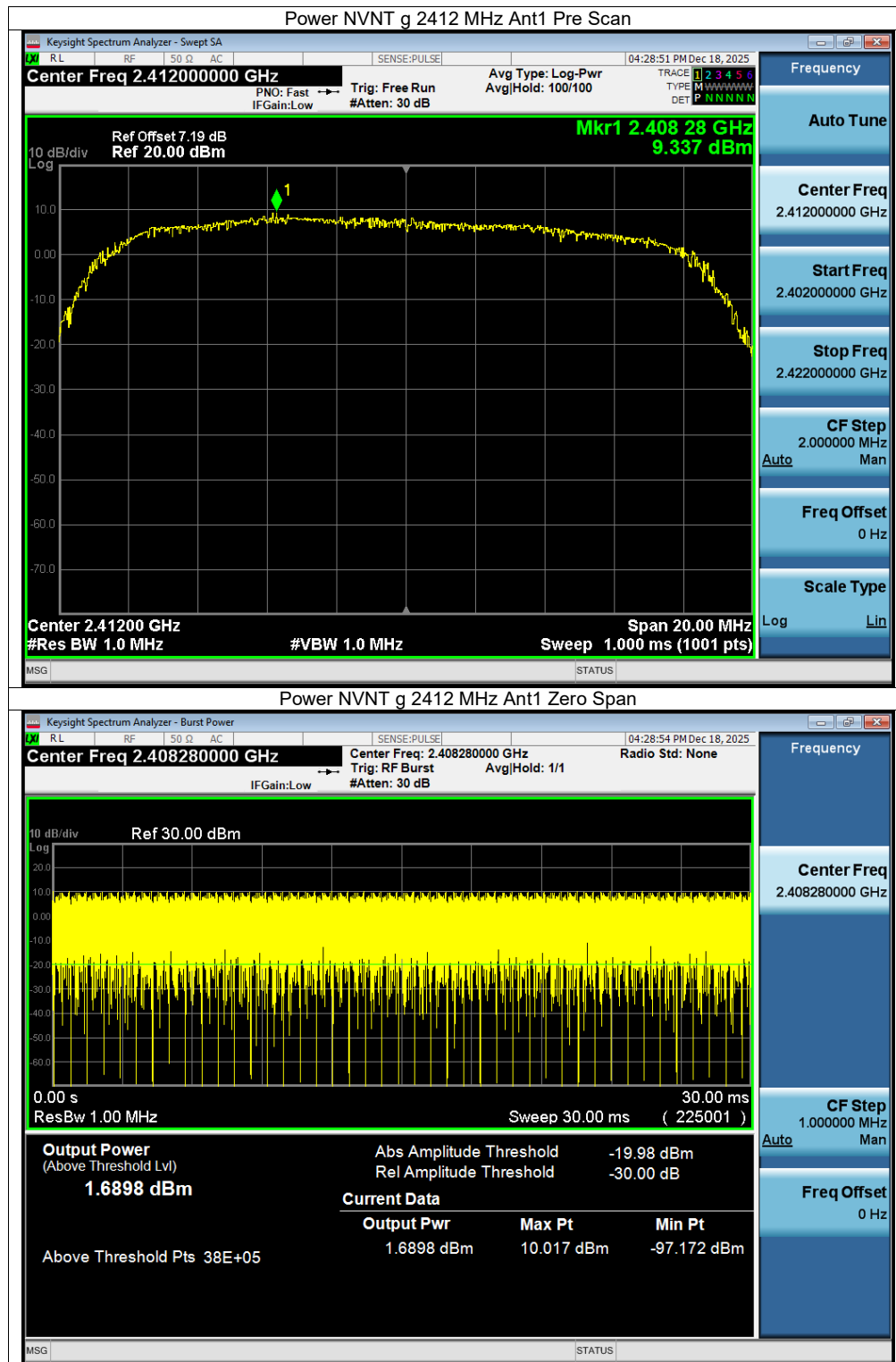
Antenna Power

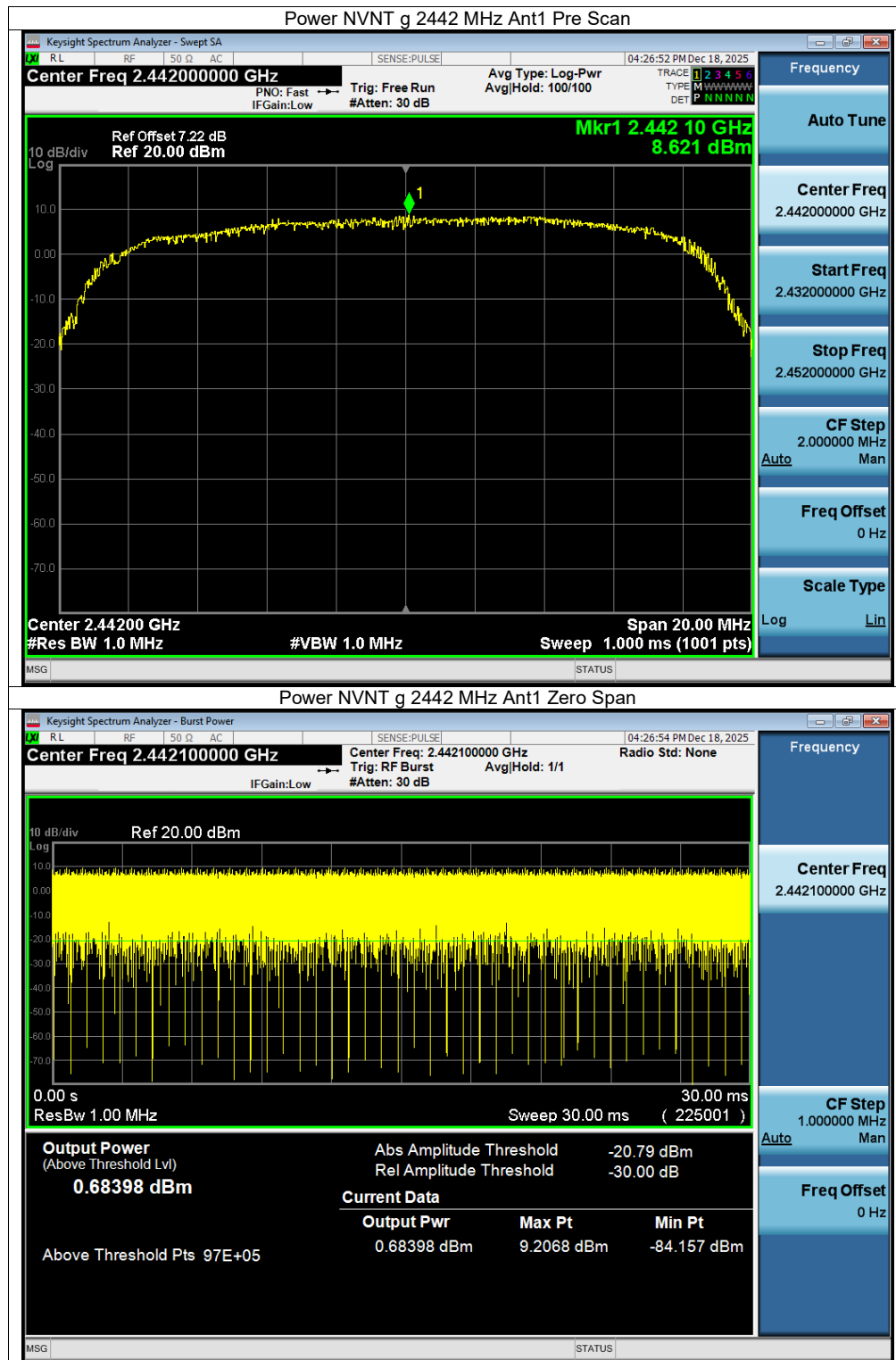
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Antenna Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Lower Limit (%)	Verdict
NVNT	b	2412	Ant1	1.5	1.412	10	1.5	-5.87	20	-80	Pass
NVNT	b	2442	Ant1	1.83	1.526	10	1.5	1.73	20	-80	Pass
NVNT	b	2472	Ant1	-2.86	0.518	10	1.5	-65.47	20	-80	Pass
NVNT	g	2412	Ant1	1.69	1.476	10	1.5	-1.6	20	-80	Pass
NVNT	g	2442	Ant1	0.68	1.171	10	1.5	-21.93	20	-80	Pass
NVNT	g	2472	Ant1	0.57	1.139	10	1.5	-24.07	20	-80	Pass
NVNT	n20	2412	Ant1	0.54	1.133	10	1.5	-24.47	20	-80	Pass
NVNT	n20	2442	Ant1	0.8	1.201	10	1.5	-19.93	20	-80	Pass
NVNT	n20	2472	Ant1	-1.34	0.735	10	1.5	-51	20	-80	Pass
NVNT	n40	2422	Ant1	-1.93	0.641	5	1	-35.9	20	-80	Pass
NVNT	n40	2442	Ant1	-1.1	0.776	5	1	-22.4	20	-80	Pass
NVNT	n40	2462	Ant1	-3.25	0.473	5	1	-52.7	20	-80	Pass

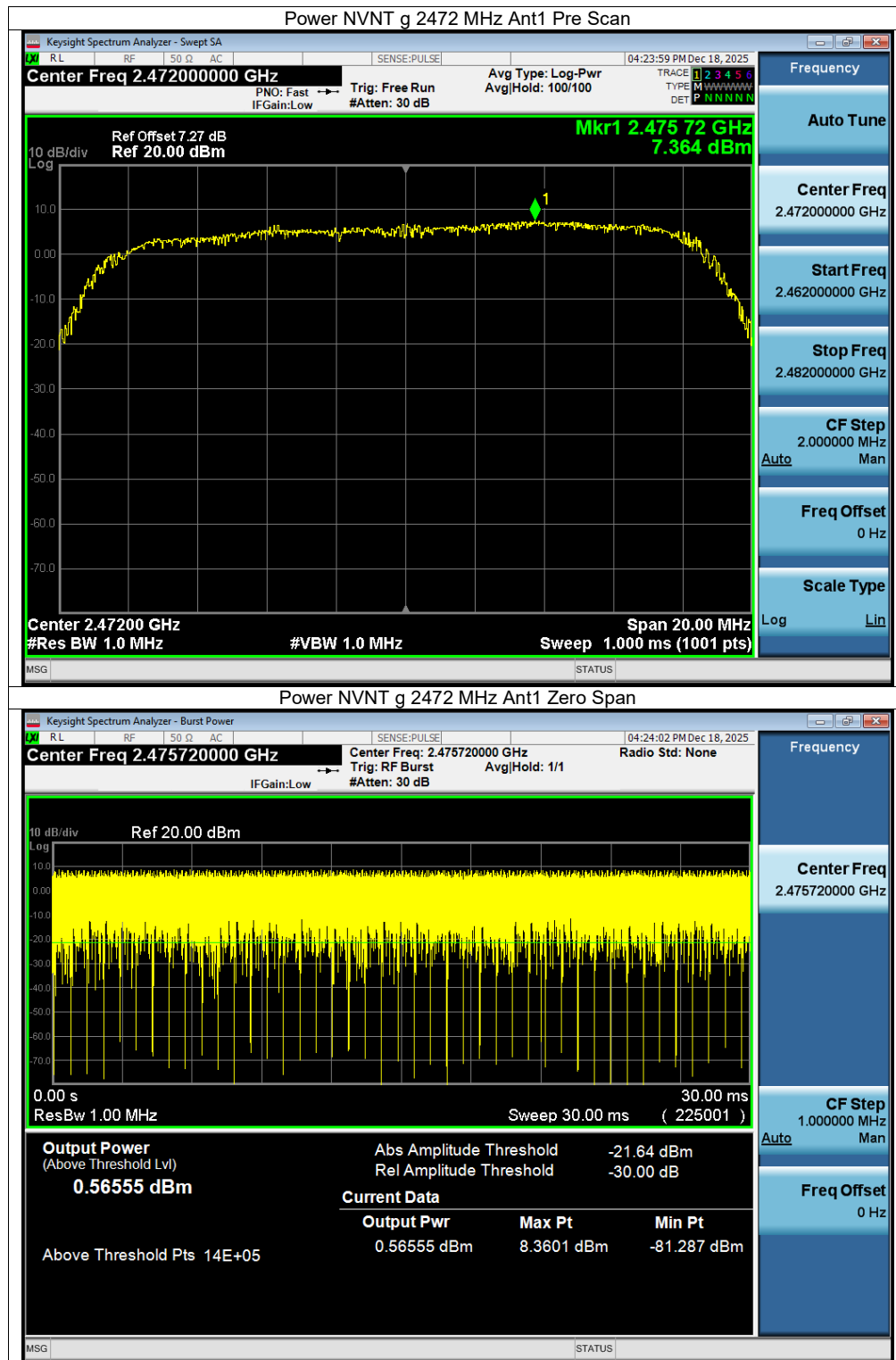


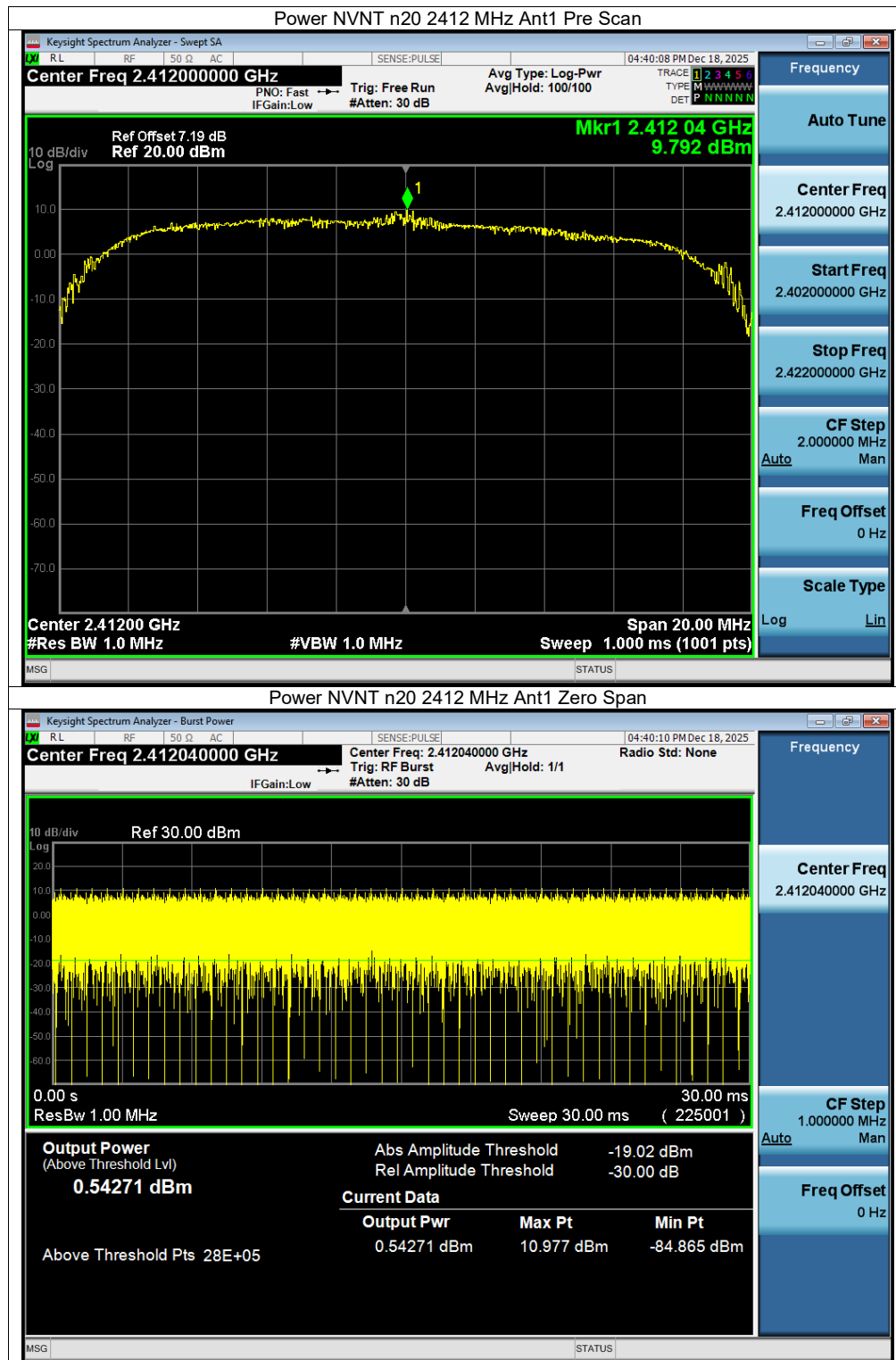


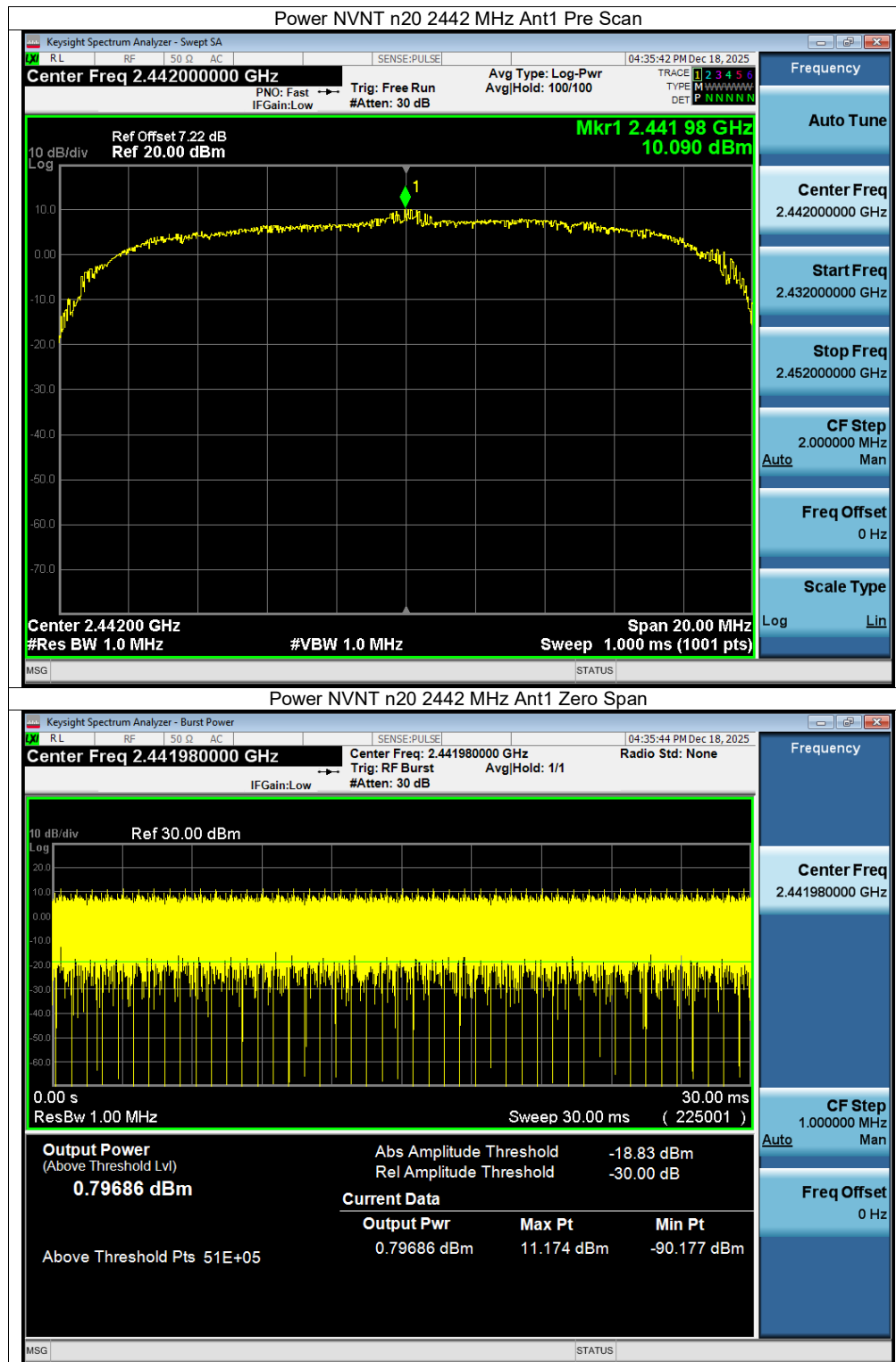


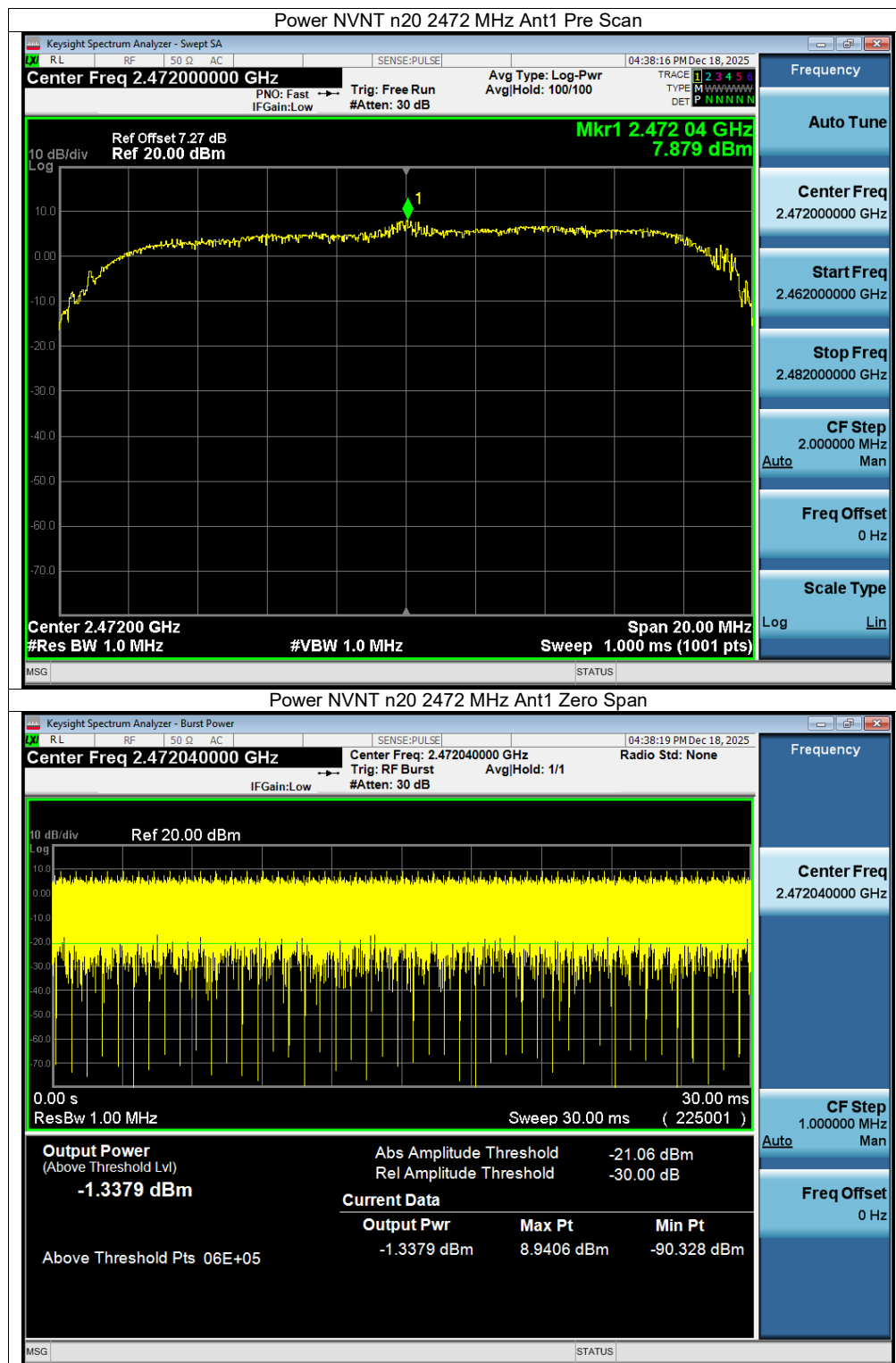
















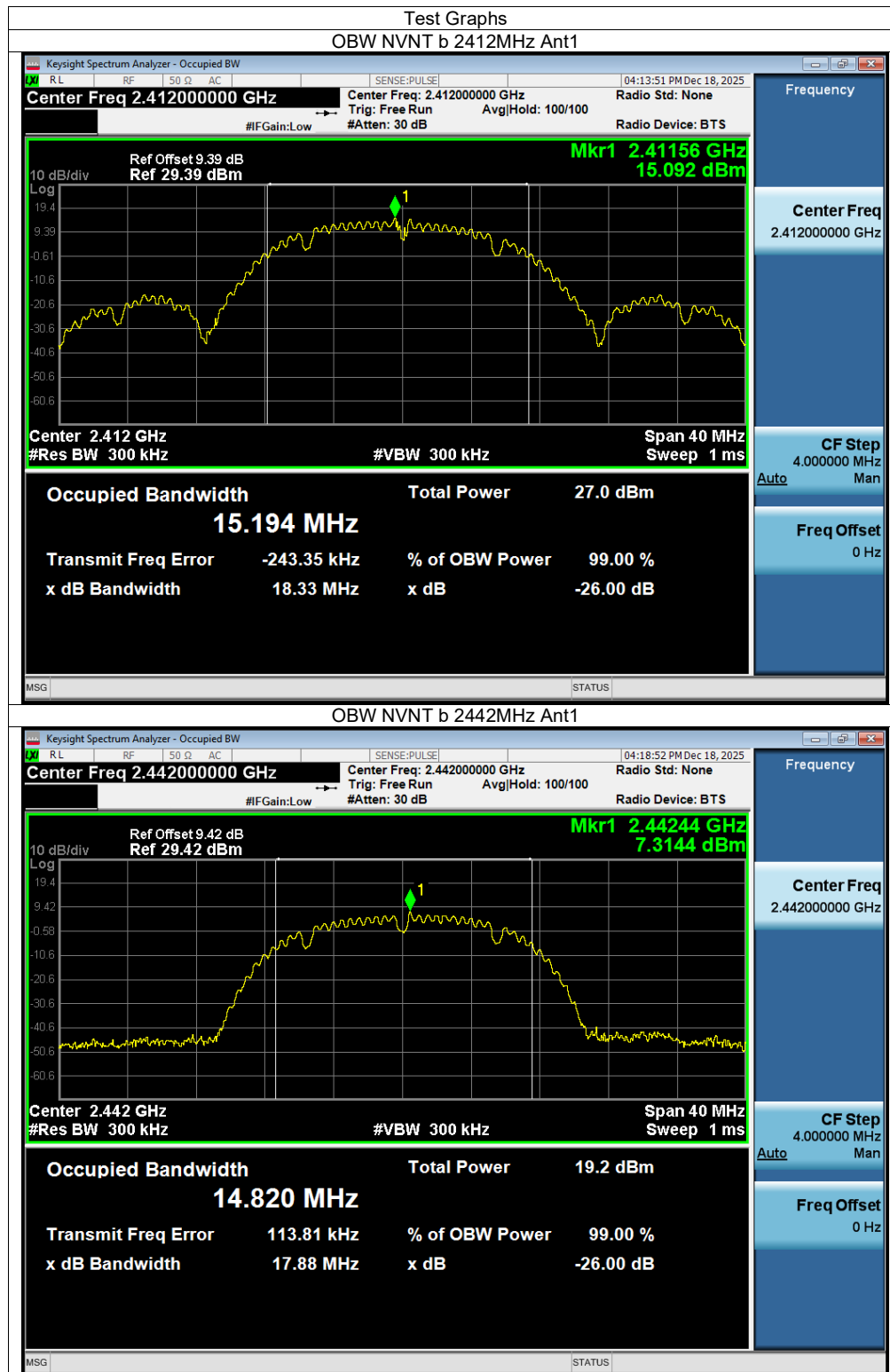


EIRP Power

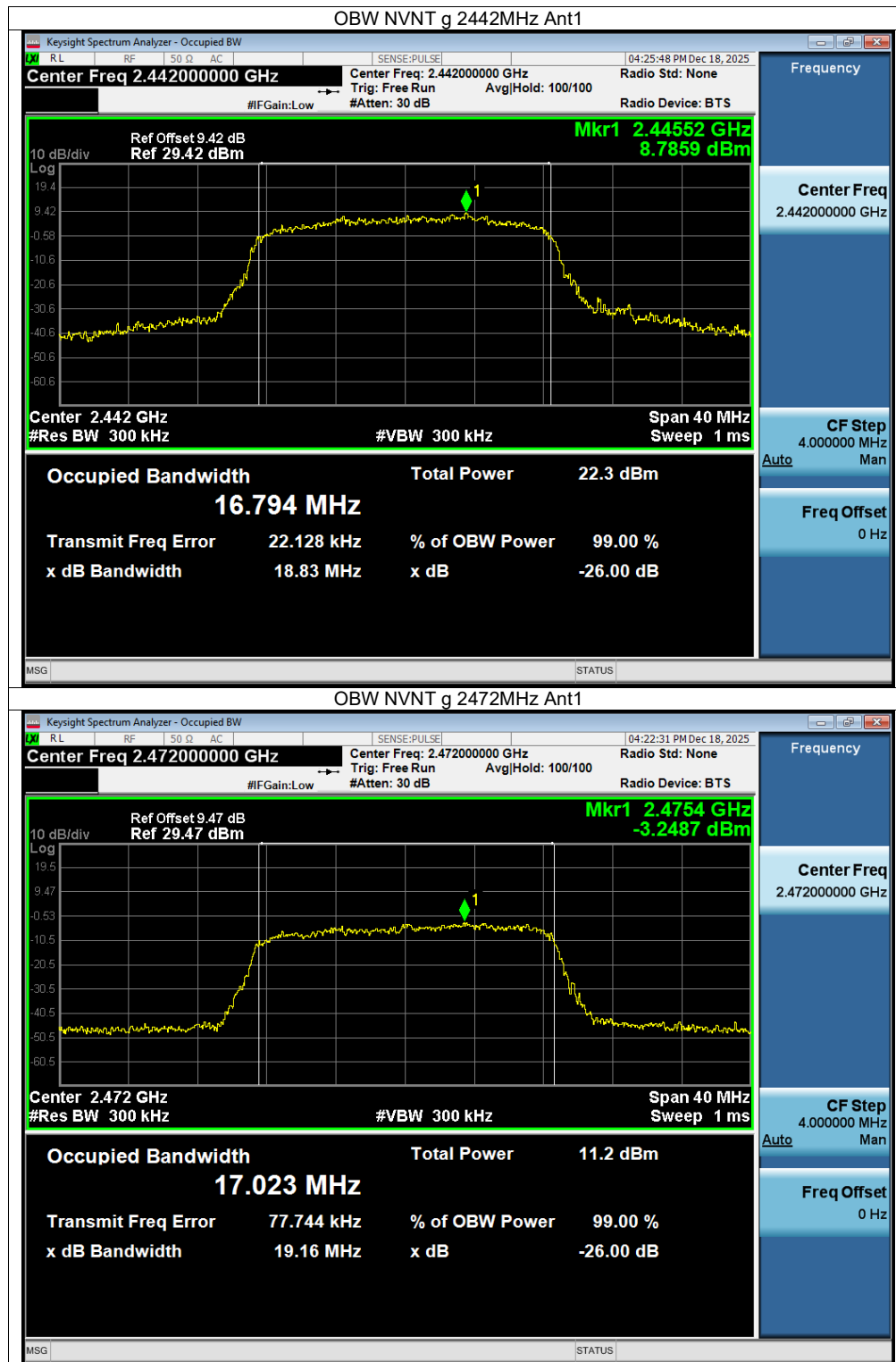
Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	1.5	2.21	3.71	12.14	Pass
NVNT	b	2442	Ant1	1.84	2.21	4.05	12.14	Pass
NVNT	b	2472	Ant1	-2.86	2.21	-0.65	12.14	Pass
NVNT	g	2412	Ant1	1.69	2.21	3.90	12.14	Pass
NVNT	g	2442	Ant1	0.69	2.21	2.90	12.14	Pass
NVNT	g	2472	Ant1	0.57	2.21	2.78	12.14	Pass
NVNT	n20	2412	Ant1	0.54	2.21	2.75	12.14	Pass
NVNT	n20	2442	Ant1	0.8	2.21	3.01	12.14	Pass
NVNT	n20	2472	Ant1	-1.34	2.21	0.87	12.14	Pass
NVNT	n40	2422	Ant1	-1.93	2.21	0.28	9.13	Pass
NVNT	n40	2442	Ant1	-1.1	2.21	1.11	9.13	Pass
NVNT	n40	2462	Ant1	-3.25	2.21	-1.04	9.13	Pass

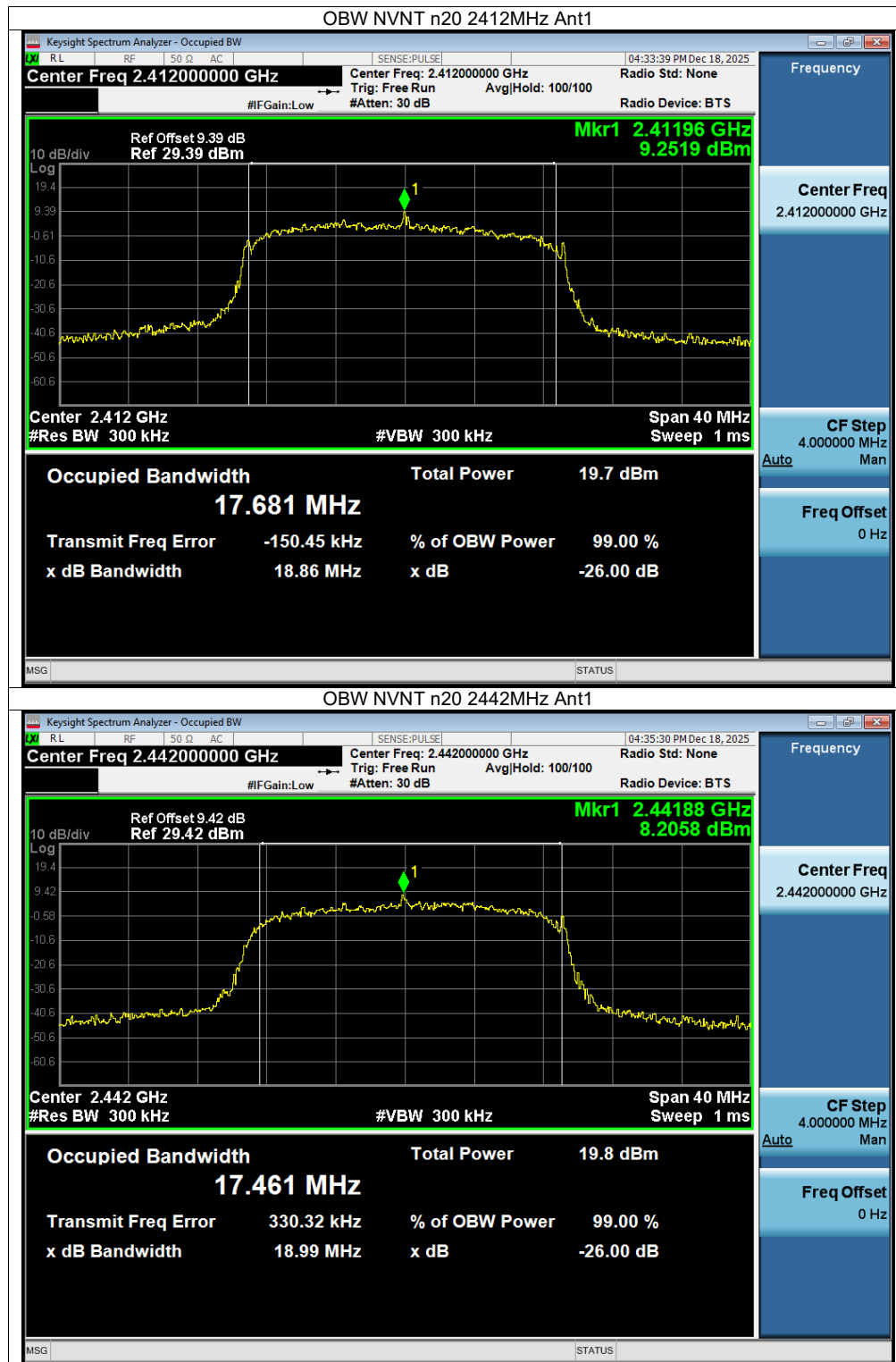
Occupied Channel Bandwidth

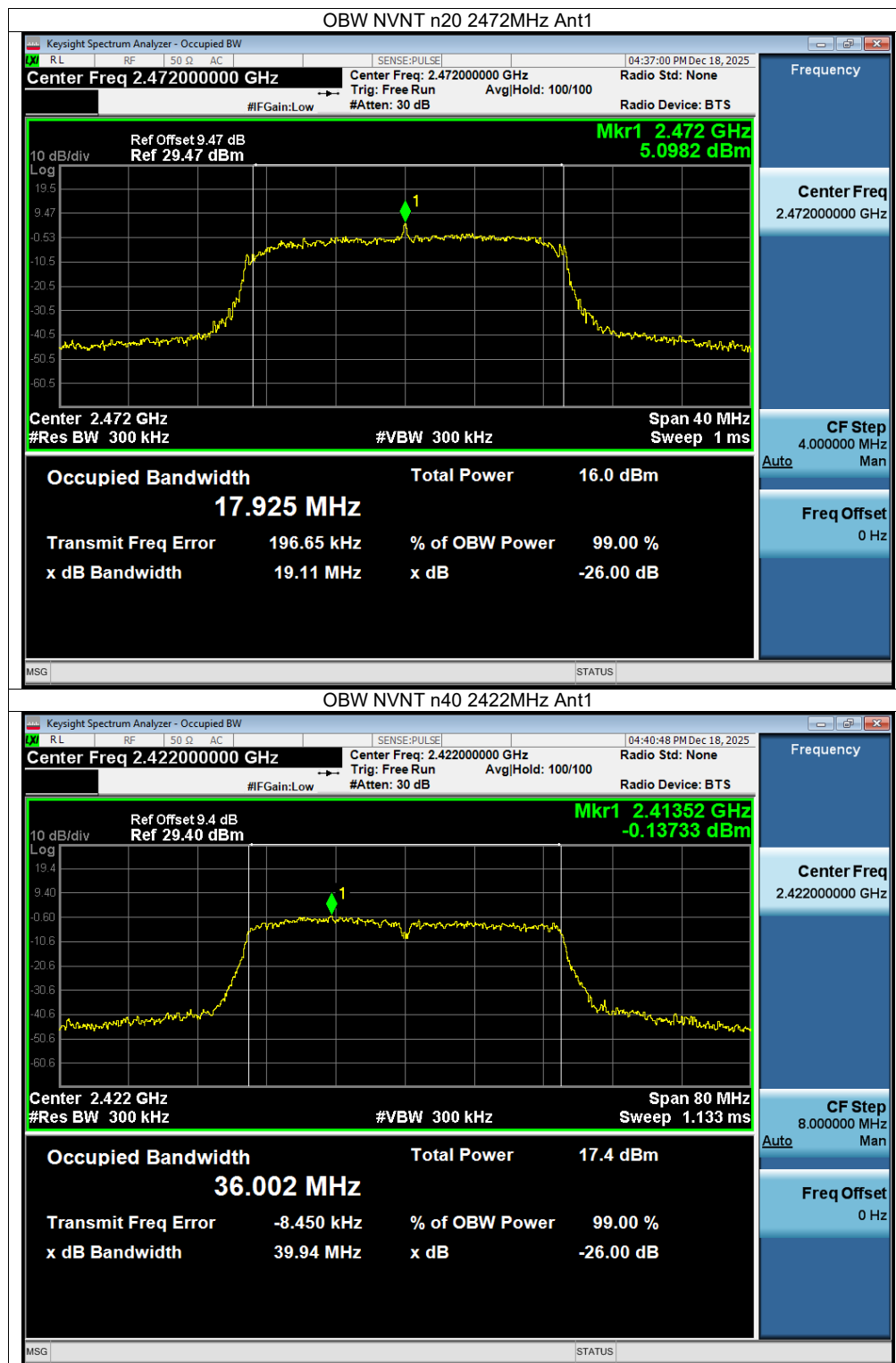
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	b	2412	Ant1	15.194	N/A	26	Pass
NVNT	b	2442	Ant1	14.82	N/A	26	Pass
NVNT	b	2472	Ant1	15.383	N/A	26	Pass
NVNT	g	2412	Ant1	16.677	N/A	26	Pass
NVNT	g	2442	Ant1	16.794	N/A	26	Pass
NVNT	g	2472	Ant1	17.023	N/A	26	Pass
NVNT	n20	2412	Ant1	17.681	N/A	26	Pass
NVNT	n20	2442	Ant1	17.461	N/A	26	Pass
NVNT	n20	2472	Ant1	17.925	N/A	26	Pass
NVNT	n40	2422	Ant1	36.002	26	40	Pass
NVNT	n40	2442	Ant1	35.038	26	40	Pass
NVNT	n40	2462	Ant1	36.062	26	40	Pass







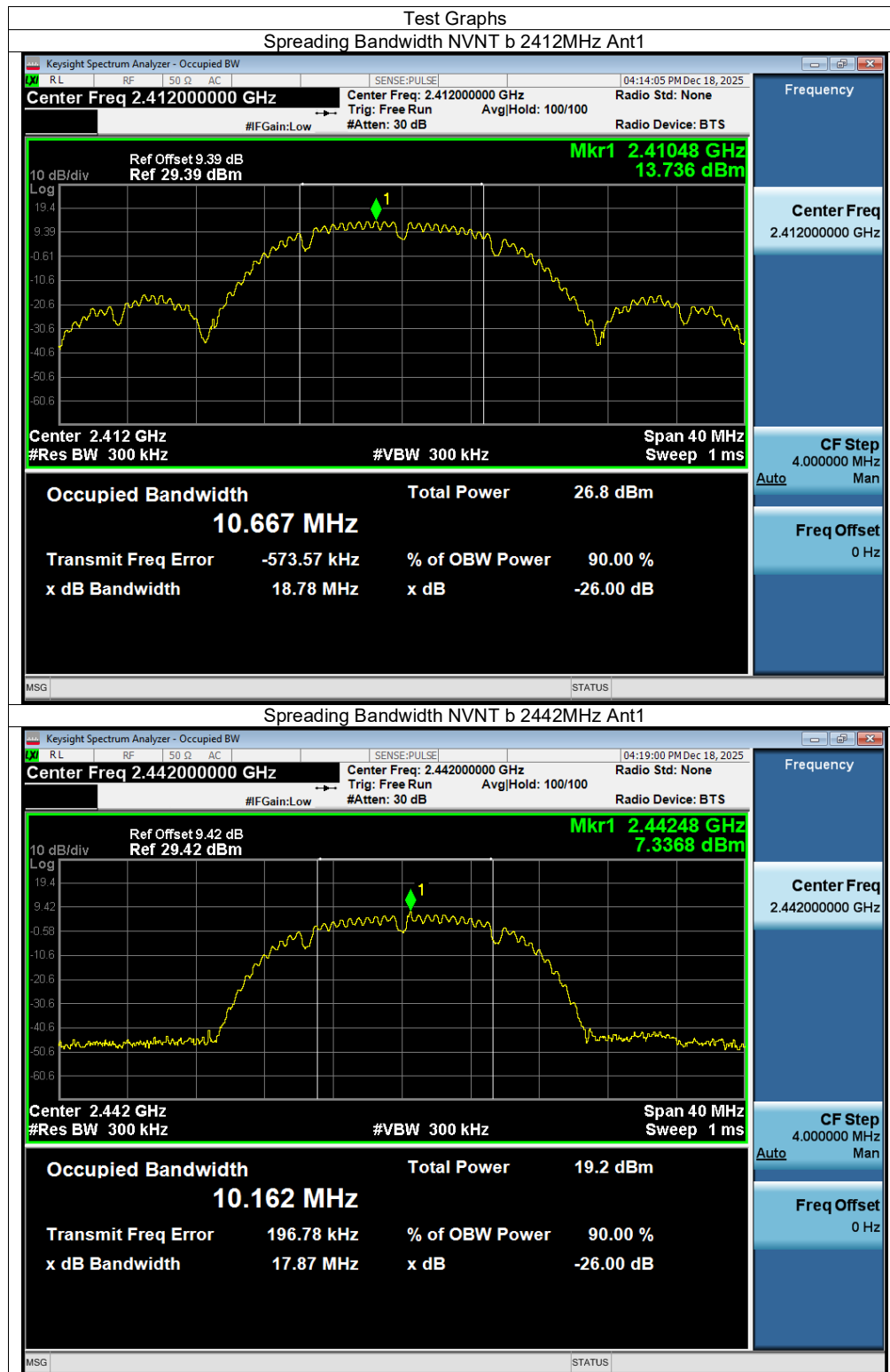




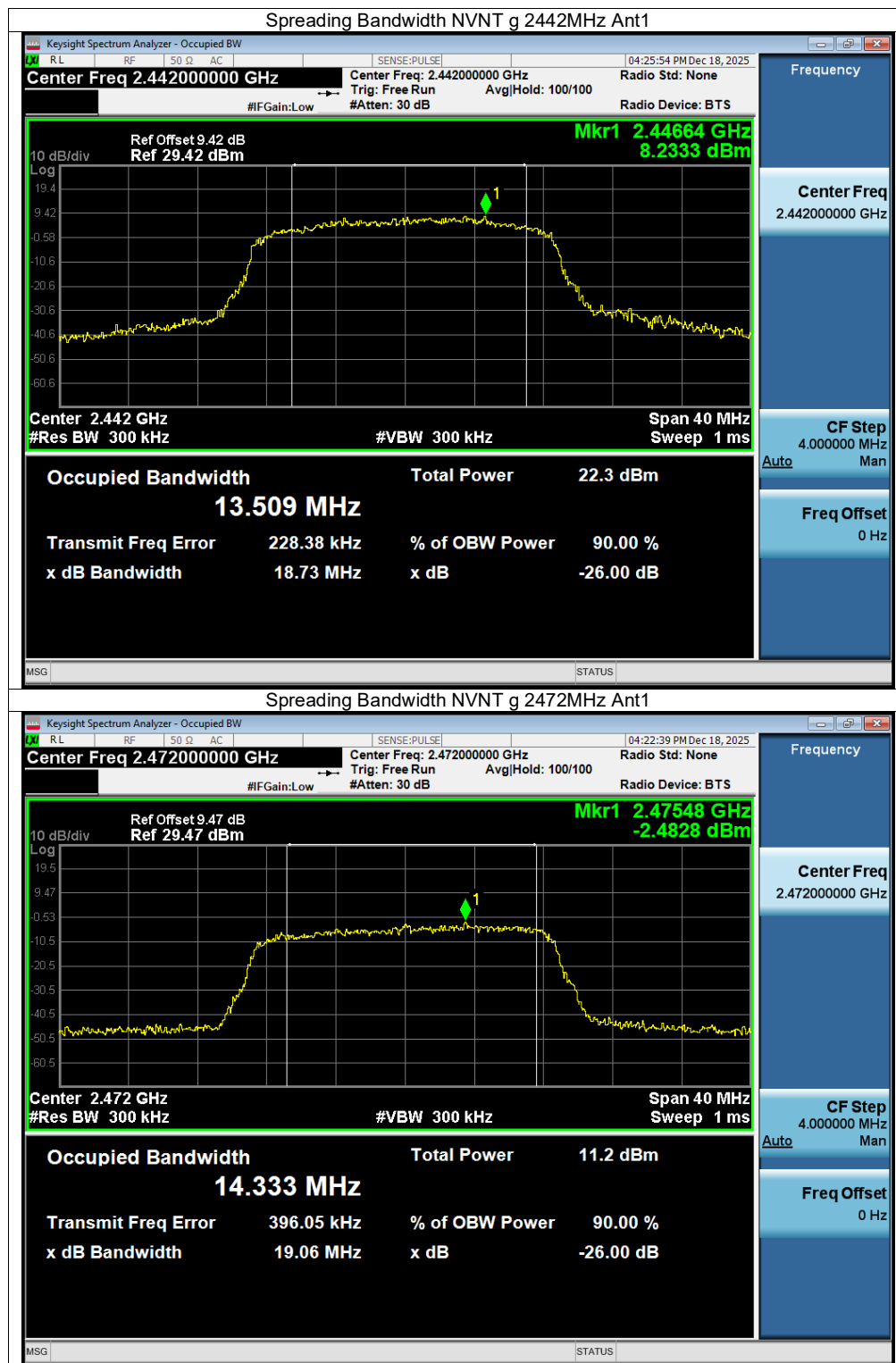


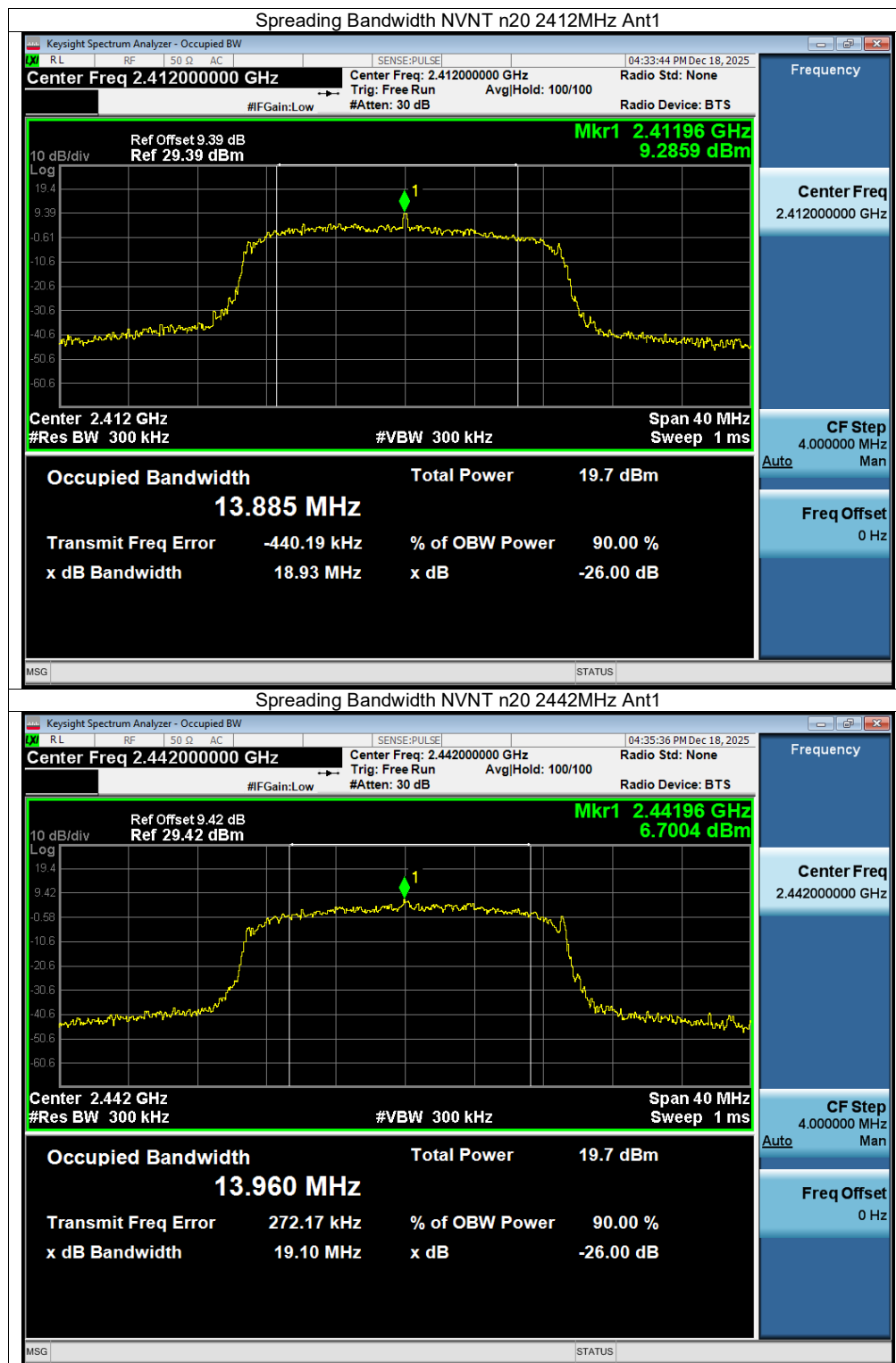
Spreading Bandwidth

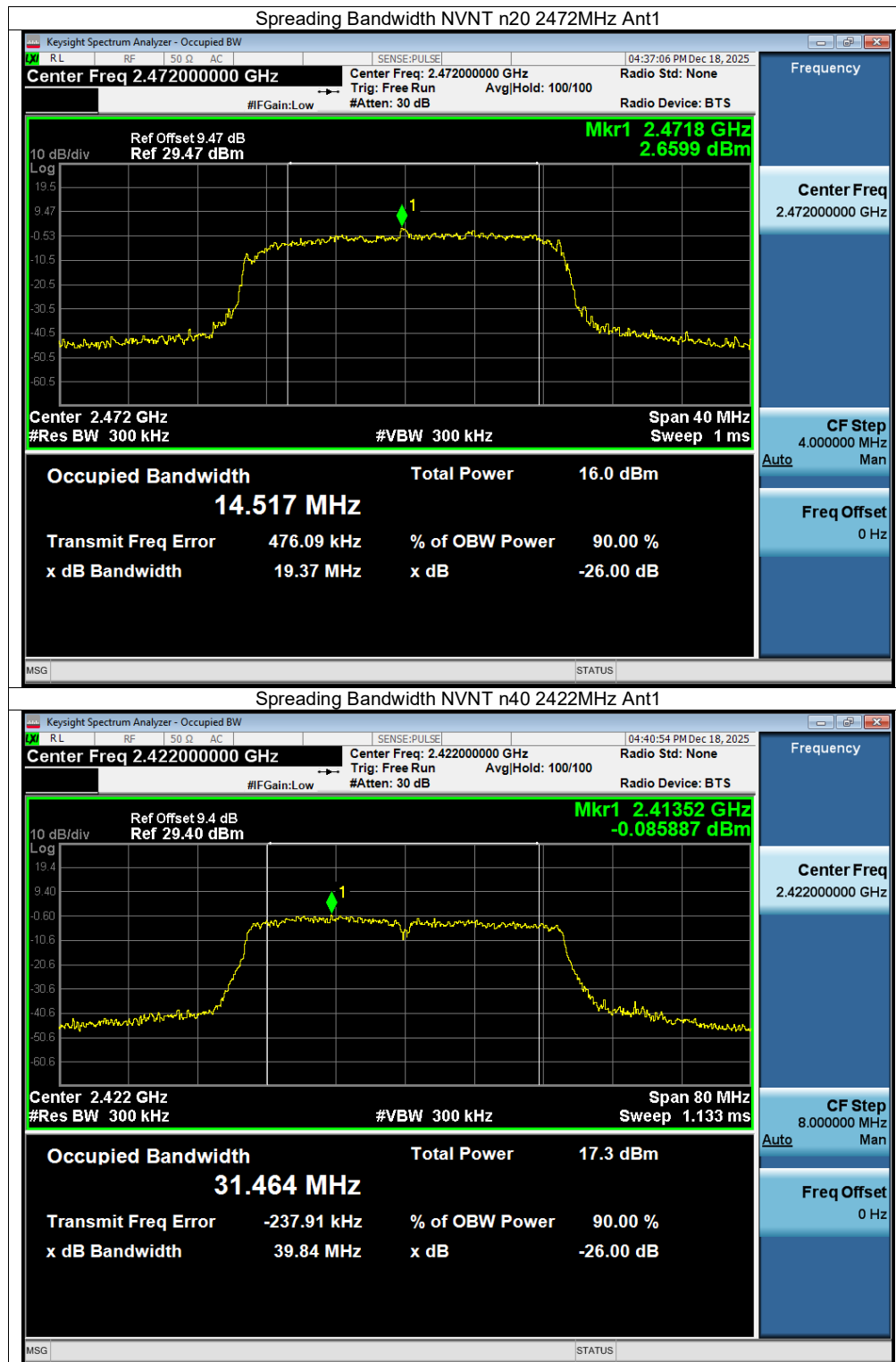
Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)
NVNT	b	2412	Ant1	10.667
NVNT	b	2442	Ant1	10.162
NVNT	b	2472	Ant1	11.084
NVNT	g	2412	Ant1	13.694
NVNT	g	2442	Ant1	13.509
NVNT	g	2472	Ant1	14.333
NVNT	n20	2412	Ant1	13.885
NVNT	n20	2442	Ant1	13.96
NVNT	n20	2472	Ant1	14.517
NVNT	n40	2422	Ant1	31.464
NVNT	n40	2442	Ant1	26.296
NVNT	n40	2462	Ant1	31.932

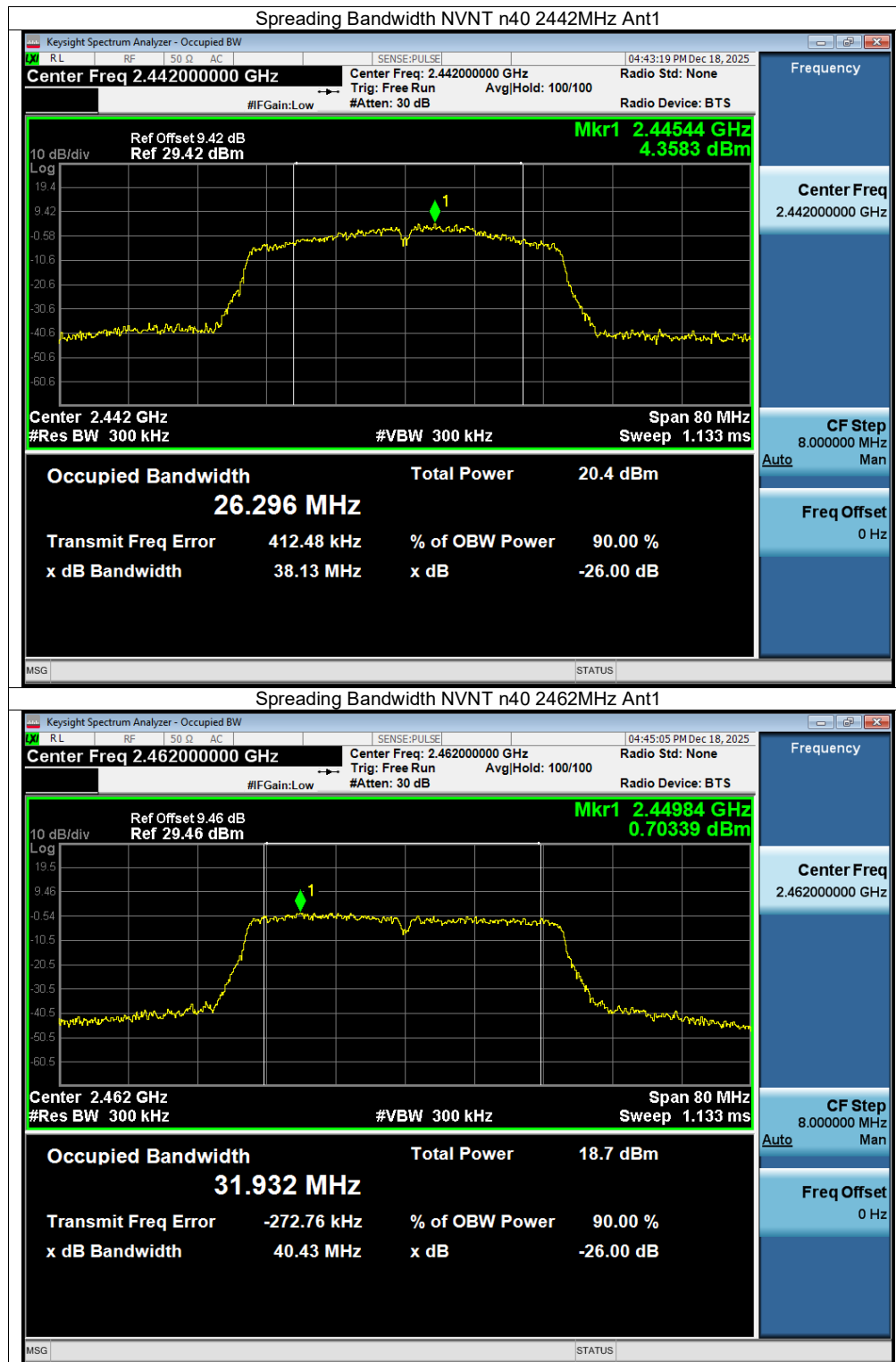












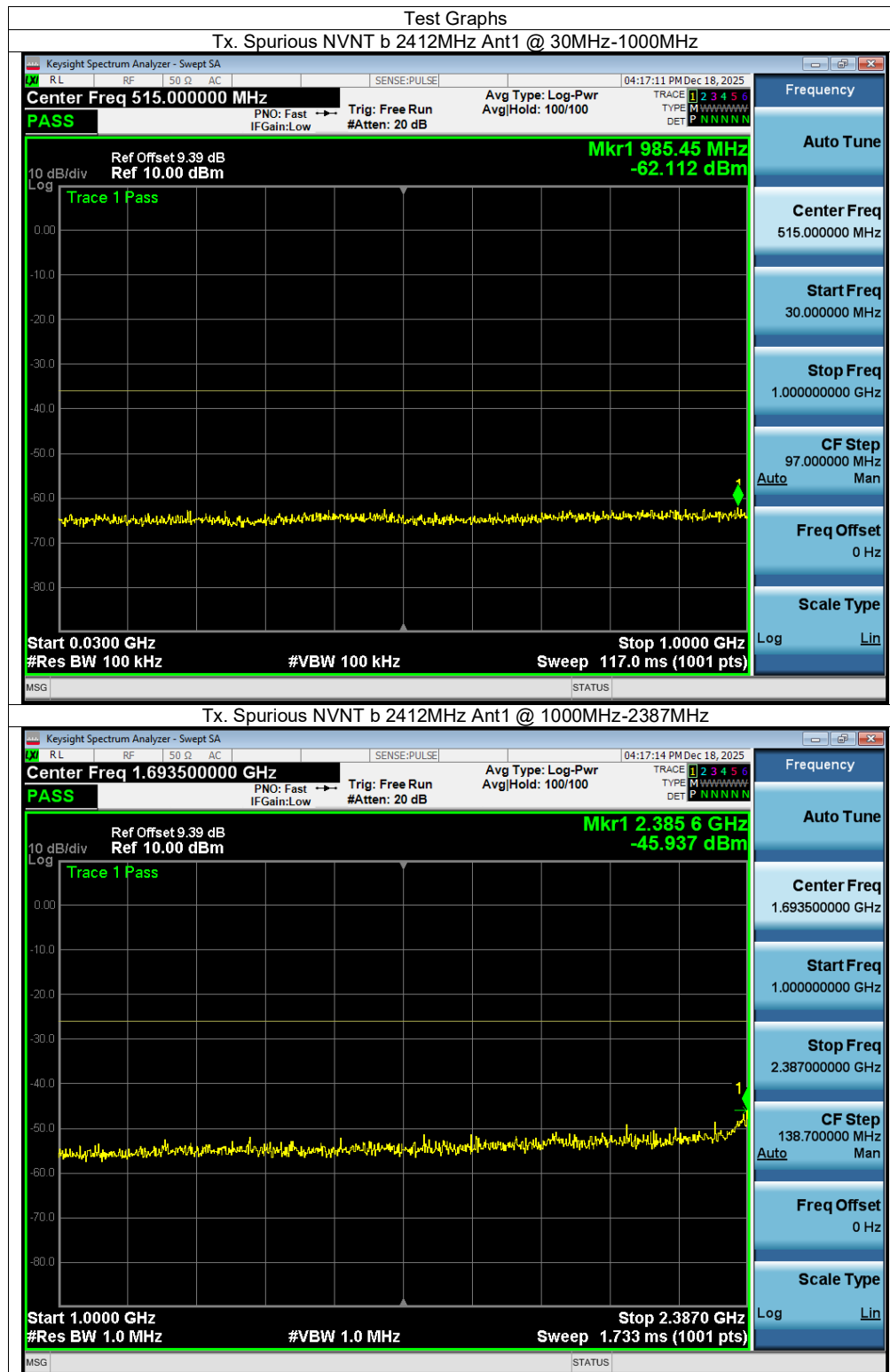
Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/100kHz)	Limit Start(dBm/100kHz)	Limit Stop (dBm/100kHz)	Verdict
NVNT	b	2412	Ant1	30-1000	985.45	-62.11	-36	-36	Pass
NVNT	b	2442	Ant1	30-1000	927.25	-61.84	-36	-36	Pass
NVNT	b	2472	Ant1	30-1000	842.86	-61.28	-36	-36	Pass
NVNT	g	2412	Ant1	30-1000	557.68	-61.48	-36	-36	Pass
NVNT	g	2442	Ant1	30-1000	222.06	-61.69	-36	-36	Pass
NVNT	g	2472	Ant1	30-1000	887.48	-61.19	-36	-36	Pass
NVNT	n20	2412	Ant1	30-1000	885.54	-61.6	-36	-36	Pass
NVNT	n20	2442	Ant1	30-1000	410.24	-62.19	-36	-36	Pass
NVNT	n20	2472	Ant1	30-1000	921.43	-61.53	-36	-36	Pass
NVNT	n40	2422	Ant1	30-1000	869.05	-61.94	-36	-36	Pass
NVNT	n40	2442	Ant1	30-1000	872.93	-61.39	-36	-36	Pass
NVNT	n40	2462	Ant1	30-1000	733.25	-62.13	-36	-36	Pass

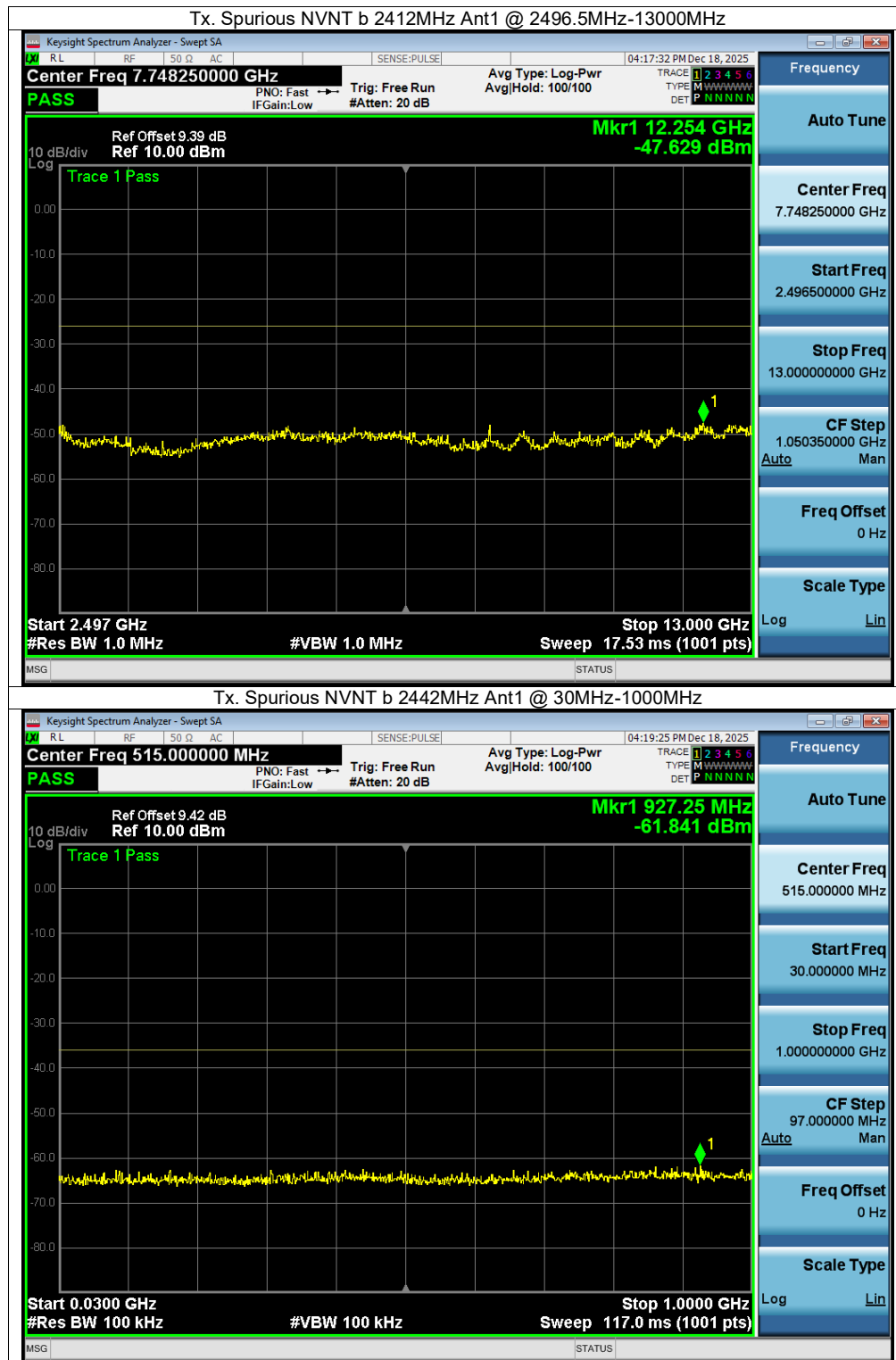
Tx Spurious Emission

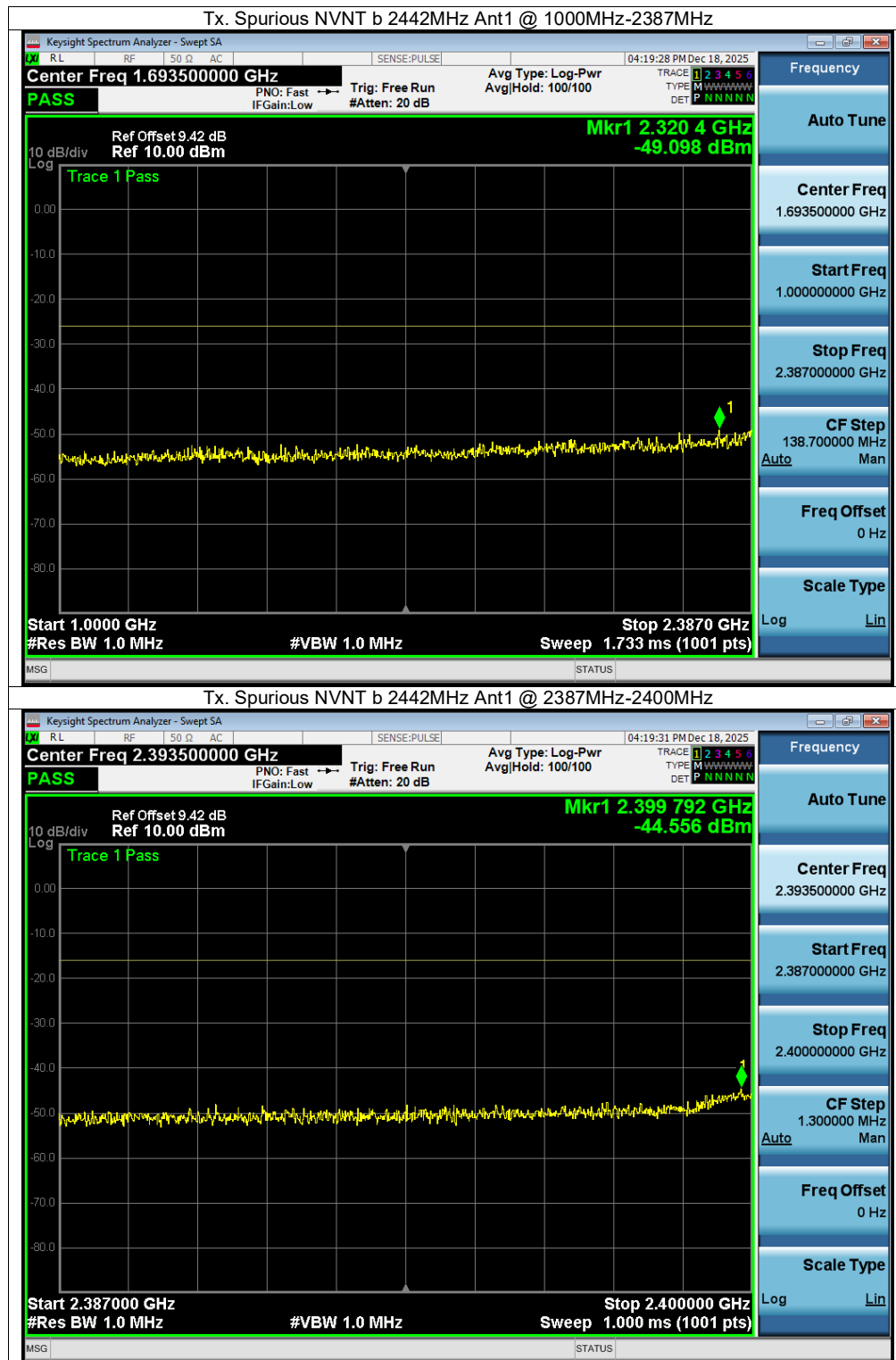
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm/MHz)	Limit Start(dBm/MHz)	Limit Stop (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	1000-2387	2385.61	-45.94	-26	-26	Pass
NVNT	b	2412	Ant1	2387-2400	2399.87	-36.42	-16	-16	Pass
NVNT	b	2412	Ant1	2483.5-2496.5	2487.4	-47.41	-16	-16	Pass
NVNT	b	2412	Ant1	2496.5-13000	12254.25	-47.63	-26	-26	Pass
NVNT	b	2442	Ant1	1000-2387	2320.42	-49.1	-26	-26	Pass
NVNT	b	2442	Ant1	2387-2400	2399.79	-44.56	-16	-16	Pass
NVNT	b	2442	Ant1	2483.5-2496.5	2483.69	-45.22	-16	-16	Pass
NVNT	b	2442	Ant1	2496.5-13000	2528.01	-46.99	-26	-26	Pass
NVNT	b	2472	Ant1	1000-2387	2320.42	-49	-26	-26	Pass
NVNT	b	2472	Ant1	2387-2400	2399.39	-46.65	-16	-16	Pass
NVNT	b	2472	Ant1	2483.5-2496.5	2483.77	-34.73	-16	-16	Pass
NVNT	b	2472	Ant1	2496.5-13000	2496.5	-45.31	-26	-26	Pass
NVNT	g	2412	Ant1	1000-2387	2377.29	-44.63	-26	-26	Pass
NVNT	g	2412	Ant1	2387-2400	2399.53	-29.43	-16	-16	Pass
NVNT	g	2412	Ant1	2483.5-2496.5	2487.61	-46.75	-16	-16	Pass
NVNT	g	2412	Ant1	2496.5-13000	2517.51	-47.37	-26	-26	Pass
NVNT	g	2442	Ant1	1000-2387	1948.71	-46.14	-26	-26	Pass
NVNT	g	2442	Ant1	2387-2400	2399.32	-44.11	-16	-16	Pass
NVNT	g	2442	Ant1	2483.5-2496.5	2485.78	-45	-16	-16	Pass
NVNT	g	2442	Ant1	2496.5-13000	2517.51	-46.6	-26	-26	Pass
NVNT	g	2472	Ant1	1000-2387	2320.42	-49.45	-26	-26	Pass
NVNT	g	2472	Ant1	2387-2400	2400	-45.41	-16	-16	Pass
NVNT	g	2472	Ant1	2483.5-2496.5	2485.05	-24.23	-16	-16	Pass
NVNT	g	2472	Ant1	2496.5-13000	2496.5	-35.35	-26	-26	Pass
NVNT	n20	2412	Ant1	1000-2387	2387	-43.18	-26	-26	Pass
NVNT	n20	2412	Ant1	2387-2400	2398.87	-30.64	-16	-16	Pass
NVNT	n20	2412	Ant1	2483.5-2496.5	2484.63	-46.9	-16	-16	Pass
NVNT	n20	2412	Ant1	2496.5-13000	12747.92	-47.09	-26	-26	Pass
NVNT	n20	2442	Ant1	1000-2387	2366.19	-47.28	-26	-26	Pass
NVNT	n20	2442	Ant1	2387-2400	2399.9	-43.58	-16	-16	Pass
NVNT	n20	2442	Ant1	2483.5-2496.5	2484.12	-44.81	-16	-16	Pass
NVNT	n20	2442	Ant1	2496.5-13000	12758.42	-46.42	-26	-26	Pass
NVNT	n20	2472	Ant1	1000-2387	2320.42	-48.37	-26	-26	Pass
NVNT	n20	2472	Ant1	2387-2400	2399.78	-45.48	-16	-16	Pass

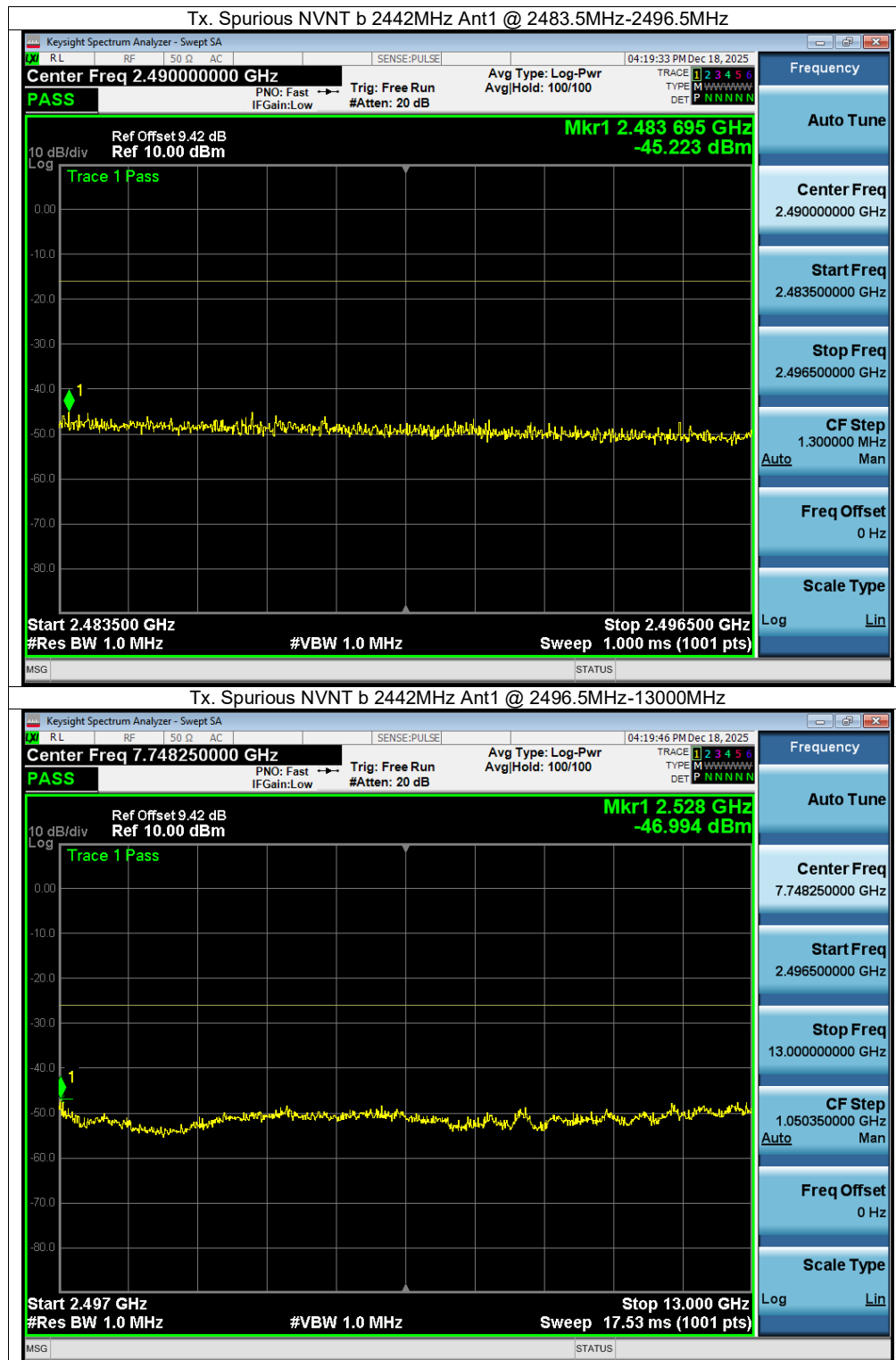
NVNT	n20	2472	Ant1	2483.5- 2496.5	2483.9	-23.2	-16	-16	Pass
NVNT	n20	2472	Ant1	2496.5- 13000	2496.5	-32.14	-26	-26	Pass
NVNT	n40	2422	Ant1	1000- 2387	2384.23	-34.34	-26	-26	Pass
NVNT	n40	2422	Ant1	2387- 2400	2399.36	-28.13	-16	-16	Pass
NVNT	n40	2422	Ant1	2483.5- 2496.5	2485	-43	-16	-16	Pass
NVNT	n40	2422	Ant1	2496.5- 13000	2559.52	-45.09	-26	-26	Pass
NVNT	n40	2442	Ant1	1000- 2387	2387	-45.48	-26	-26	Pass
NVNT	n40	2442	Ant1	2387- 2400	2399.8	-38.53	-16	-16	Pass
NVNT	n40	2442	Ant1	2483.5- 2496.5	2483.97	-34.74	-16	-16	Pass
NVNT	n40	2442	Ant1	2496.5- 13000	2496.5	-41.48	-26	-26	Pass
NVNT	n40	2462	Ant1	1000- 2387	2320.42	-48.54	-26	-26	Pass
NVNT	n40	2462	Ant1	2387- 2400	2397.83	-43.34	-16	-16	Pass
NVNT	n40	2462	Ant1	2483.5- 2496.5	2483.5	-24.04	-16	-16	Pass
NVNT	n40	2462	Ant1	2496.5- 13000	2496.5	-33.7	-26	-26	Pass

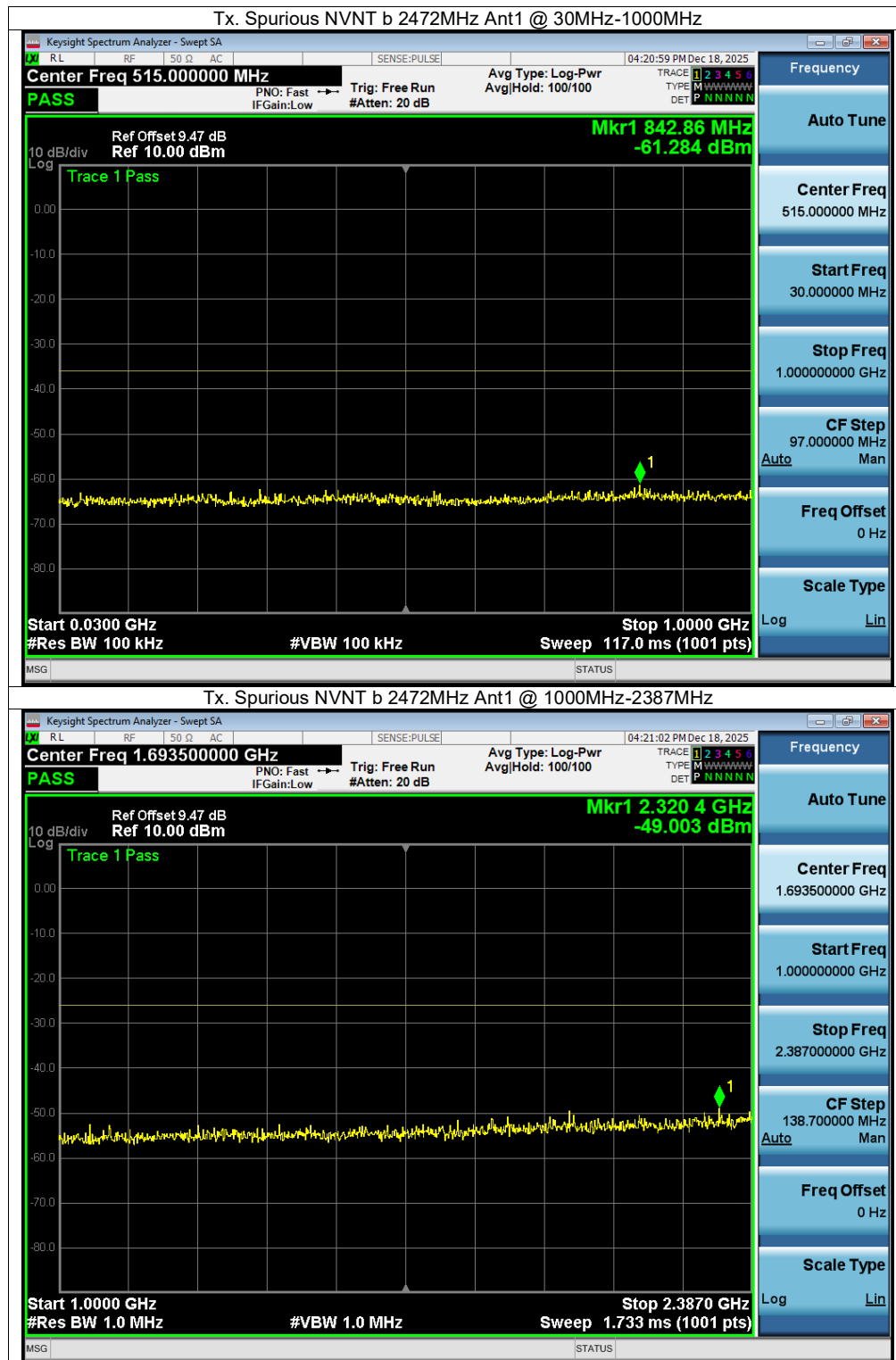


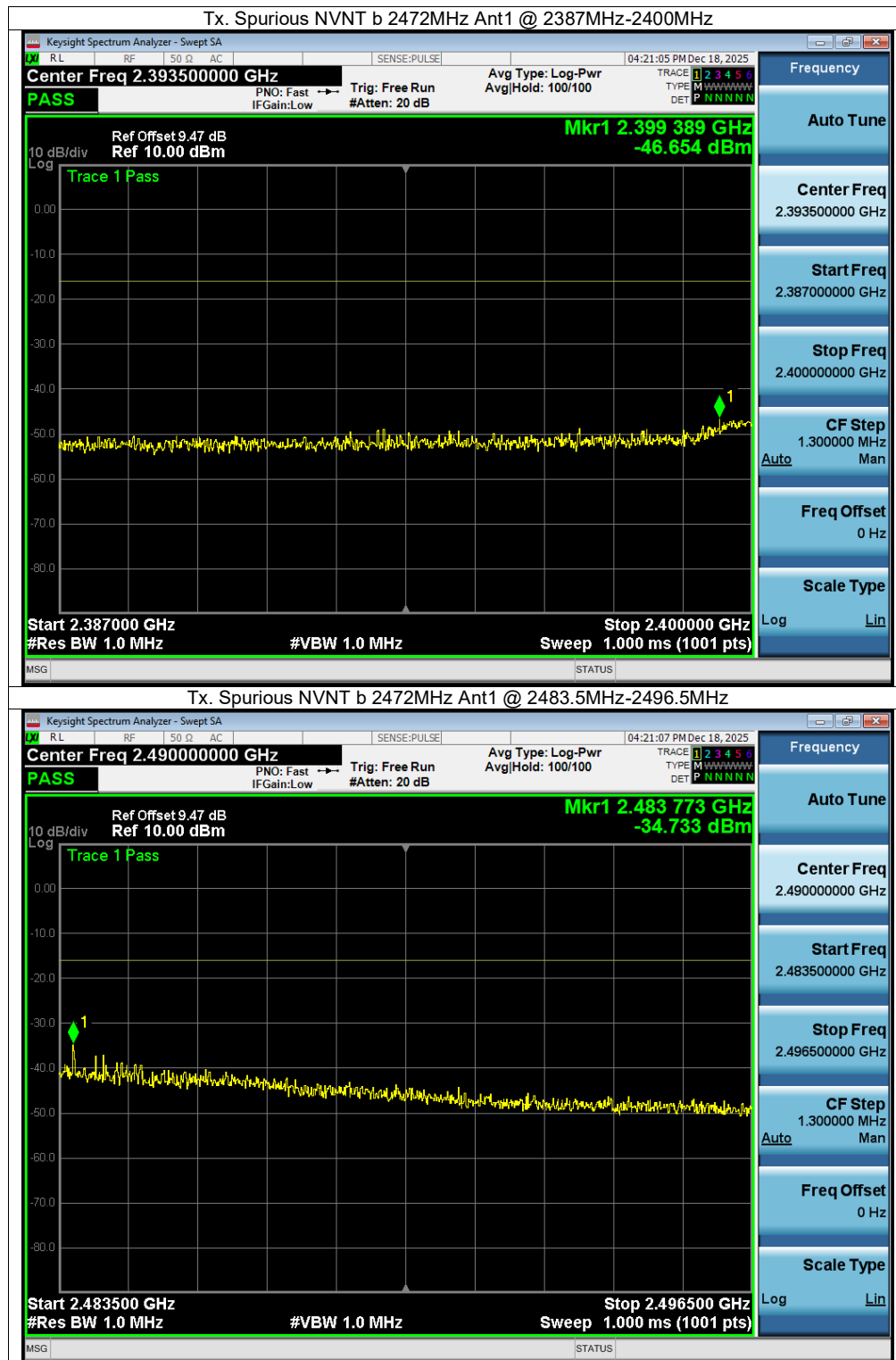


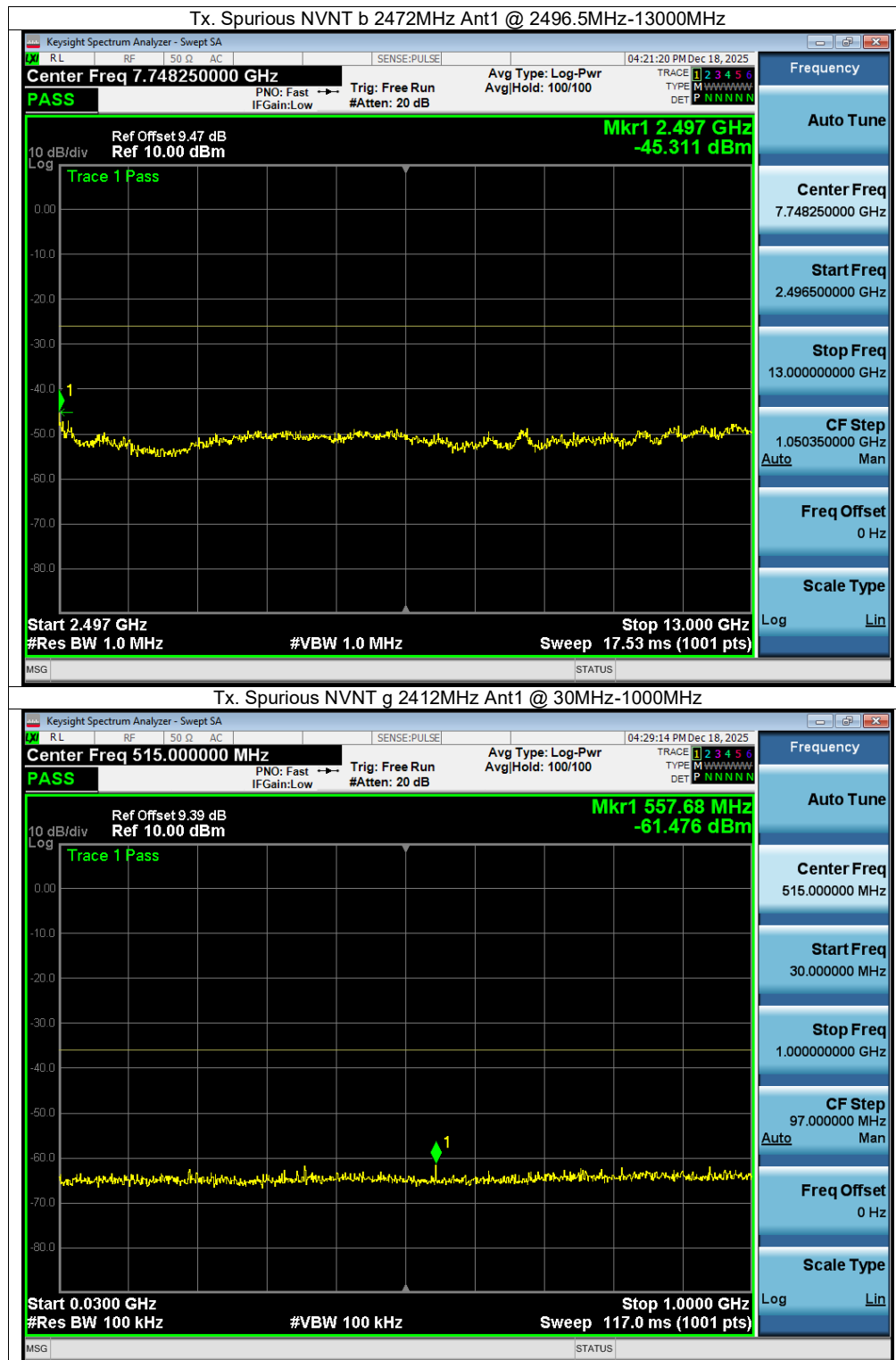


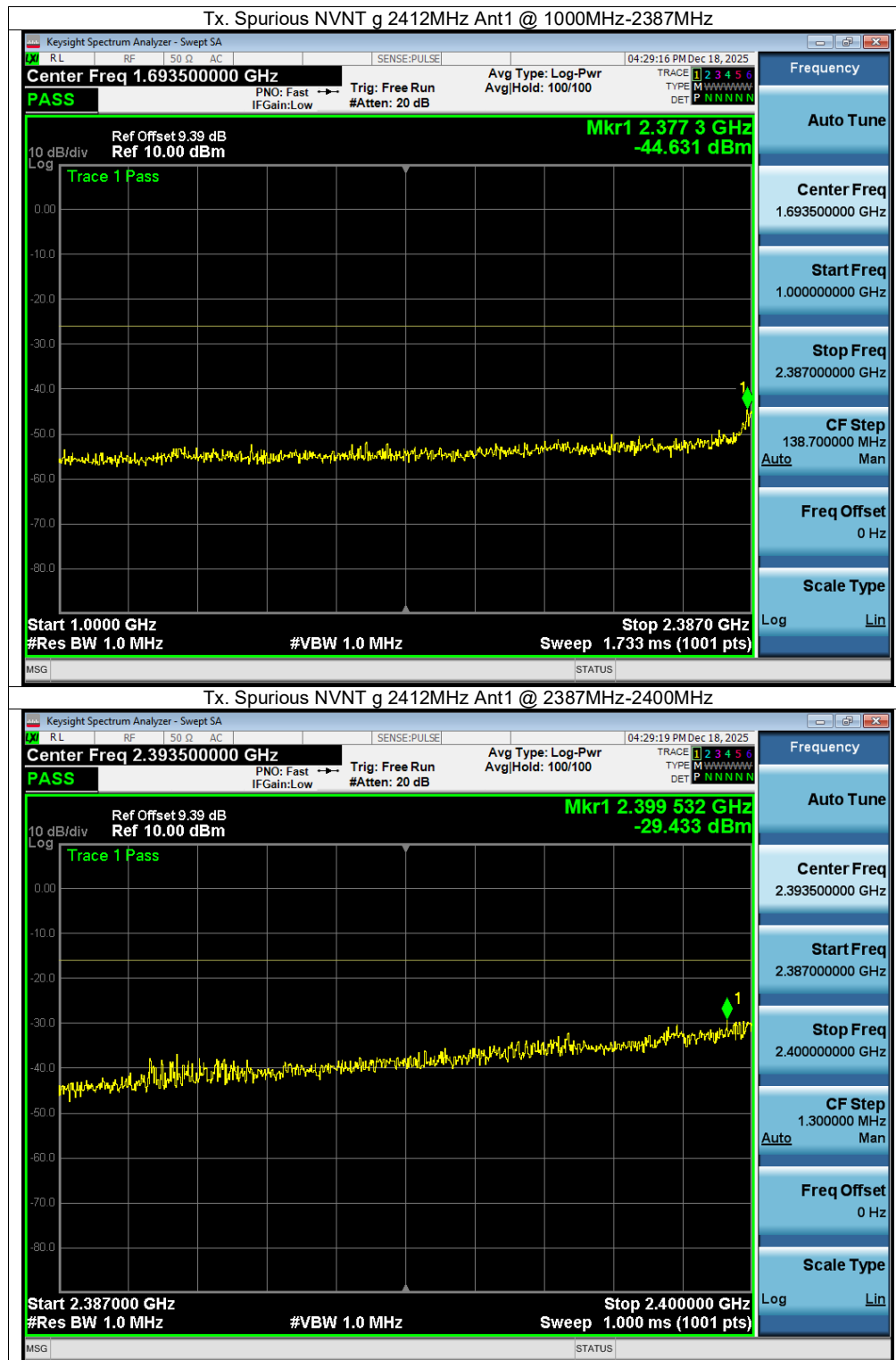




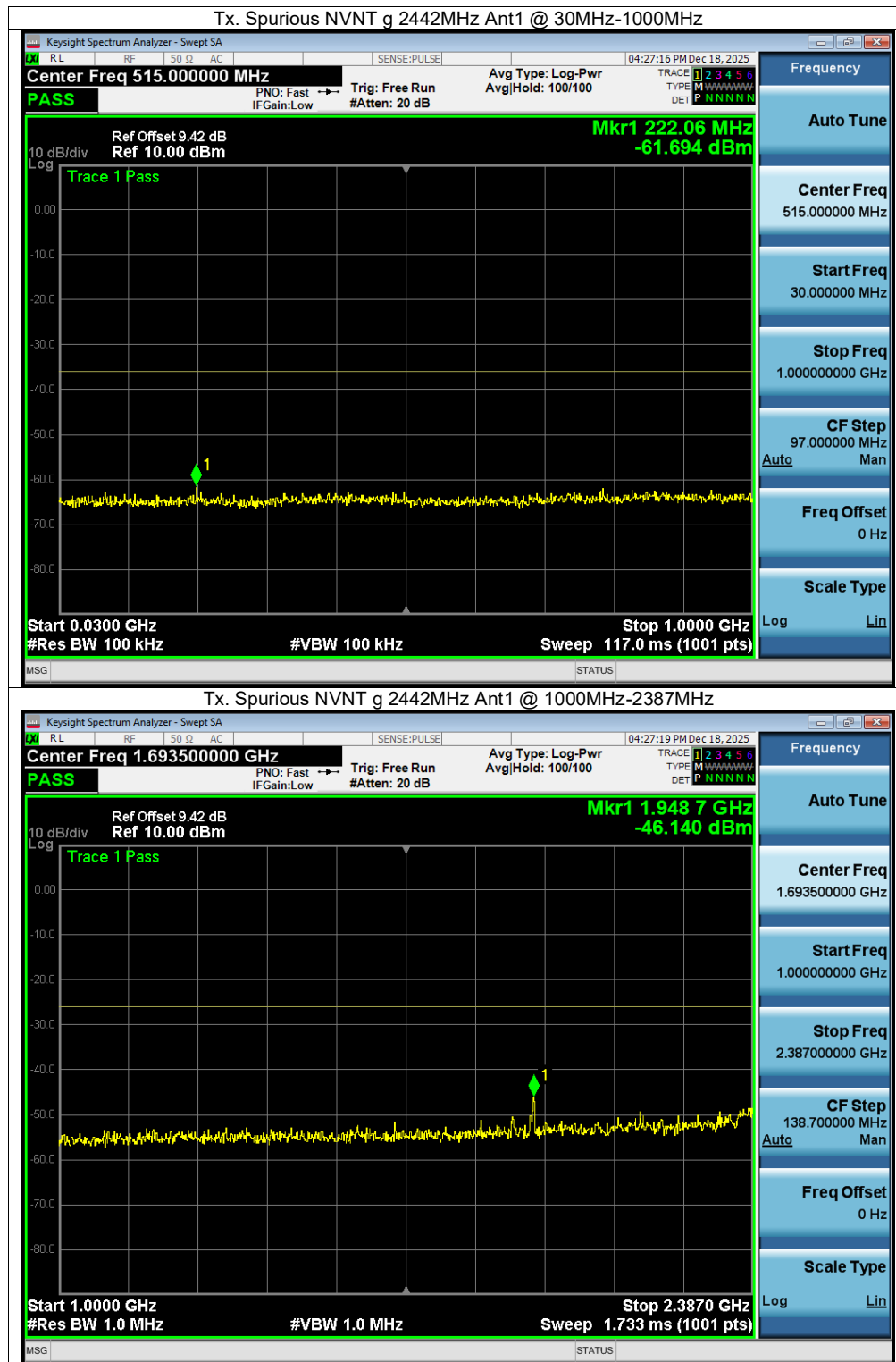


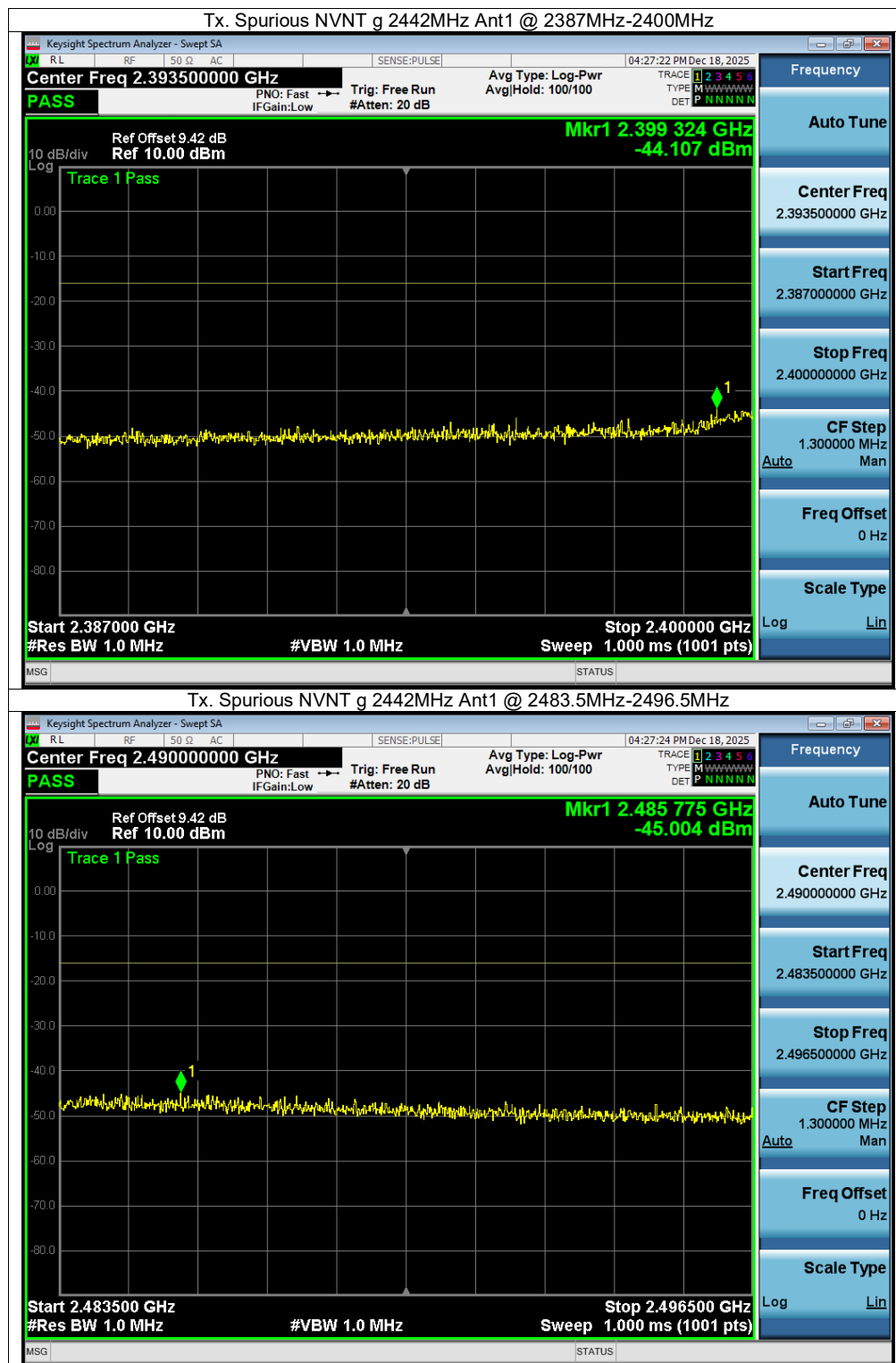


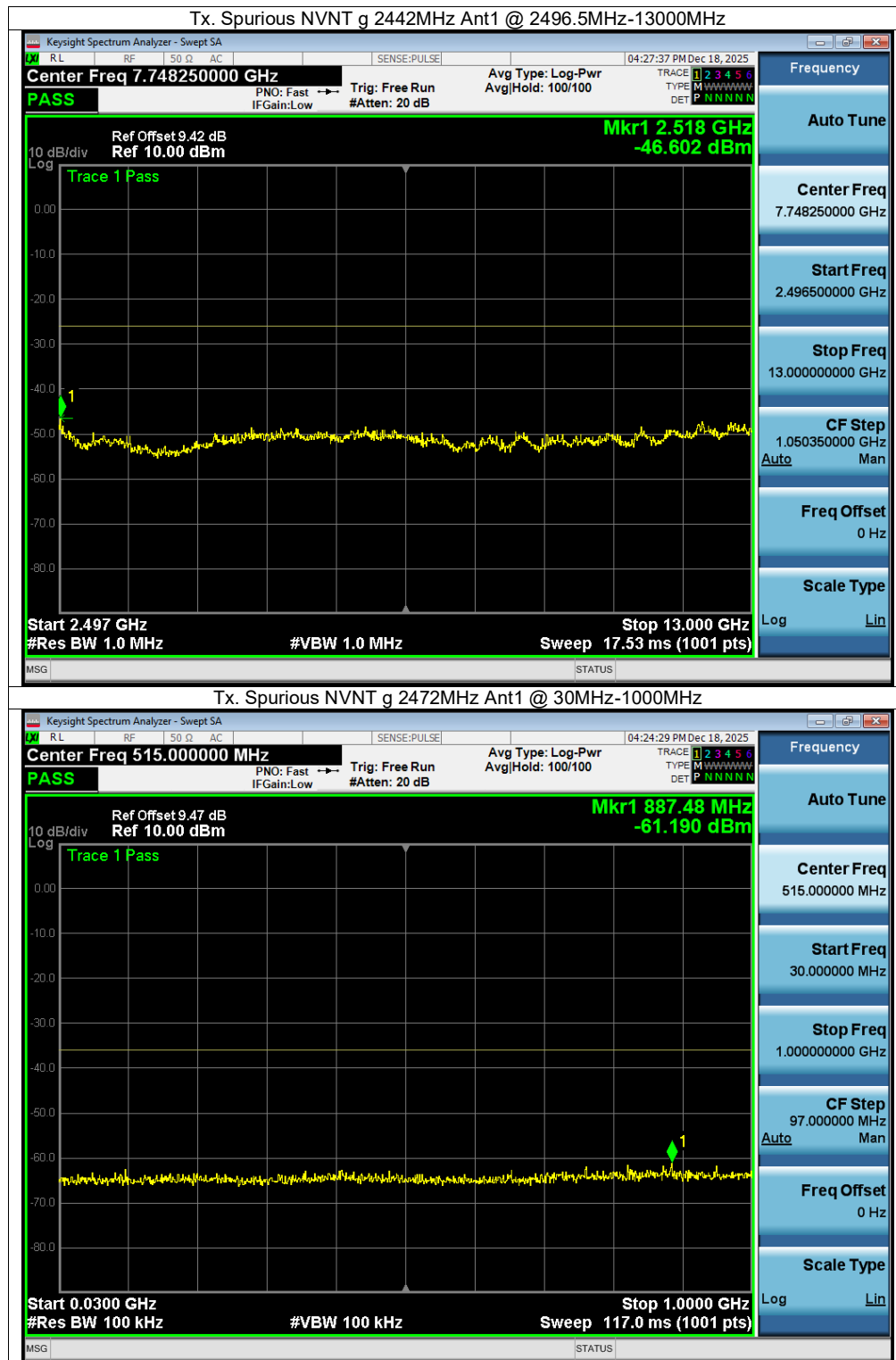


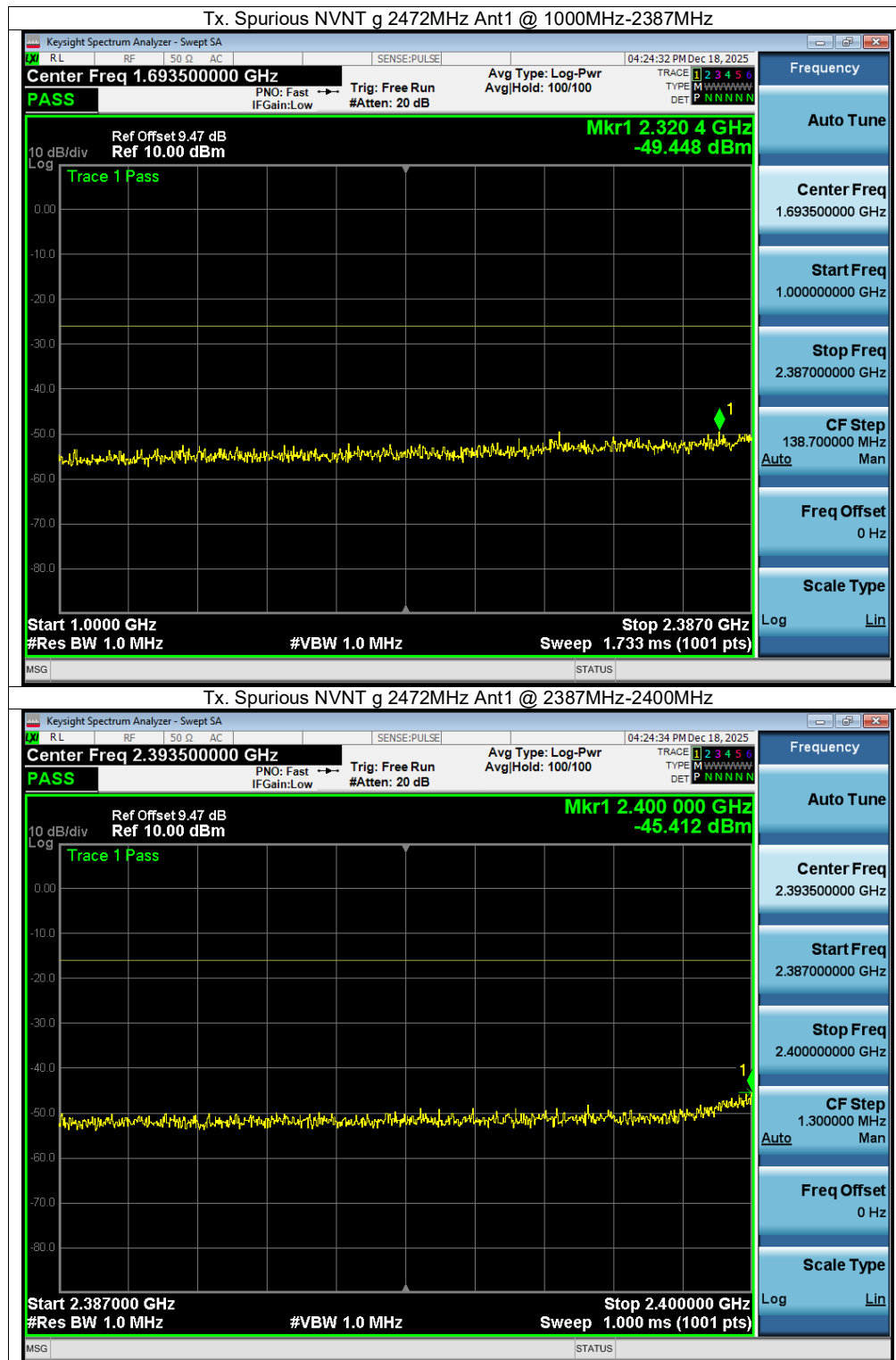


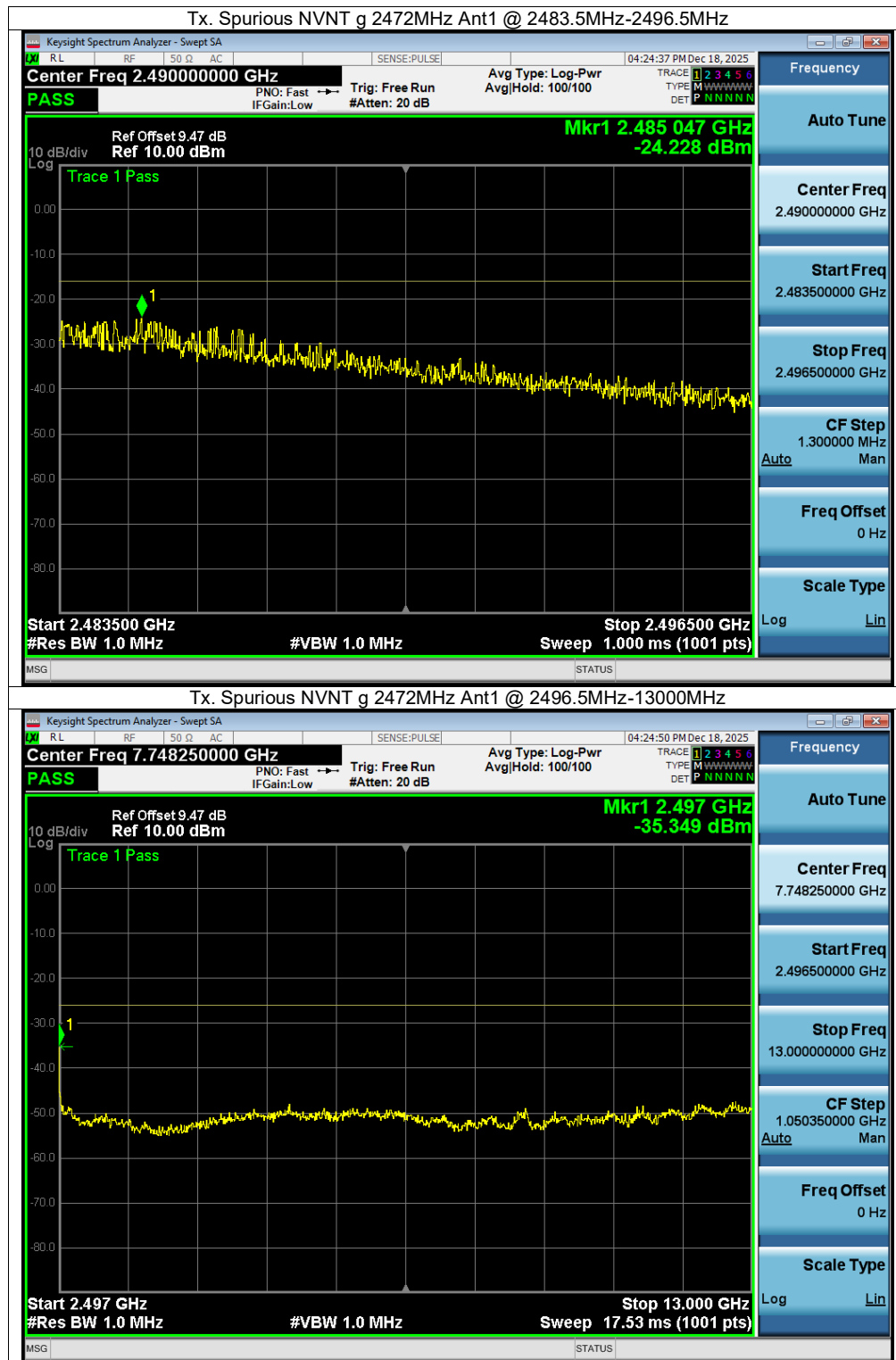


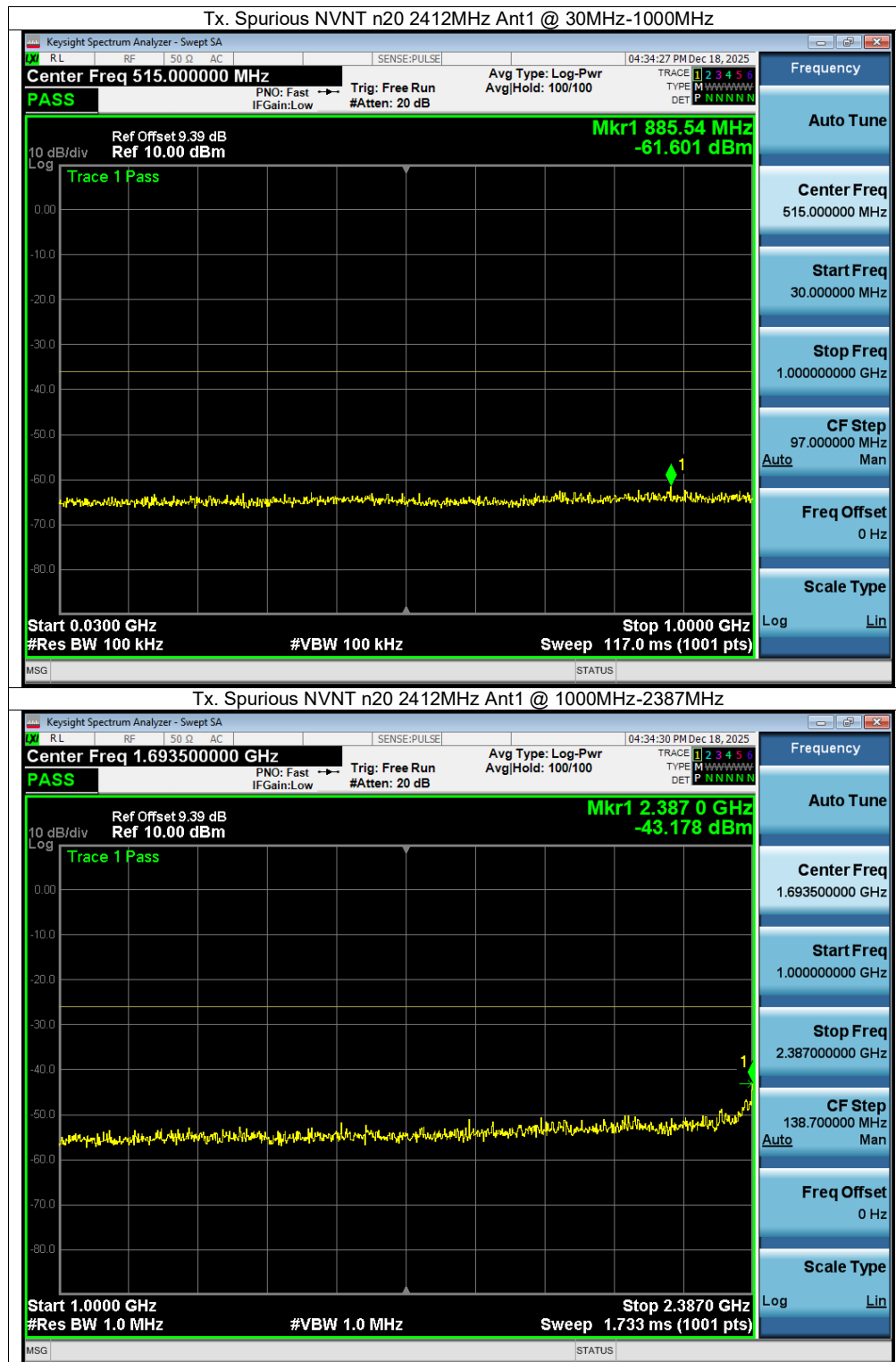


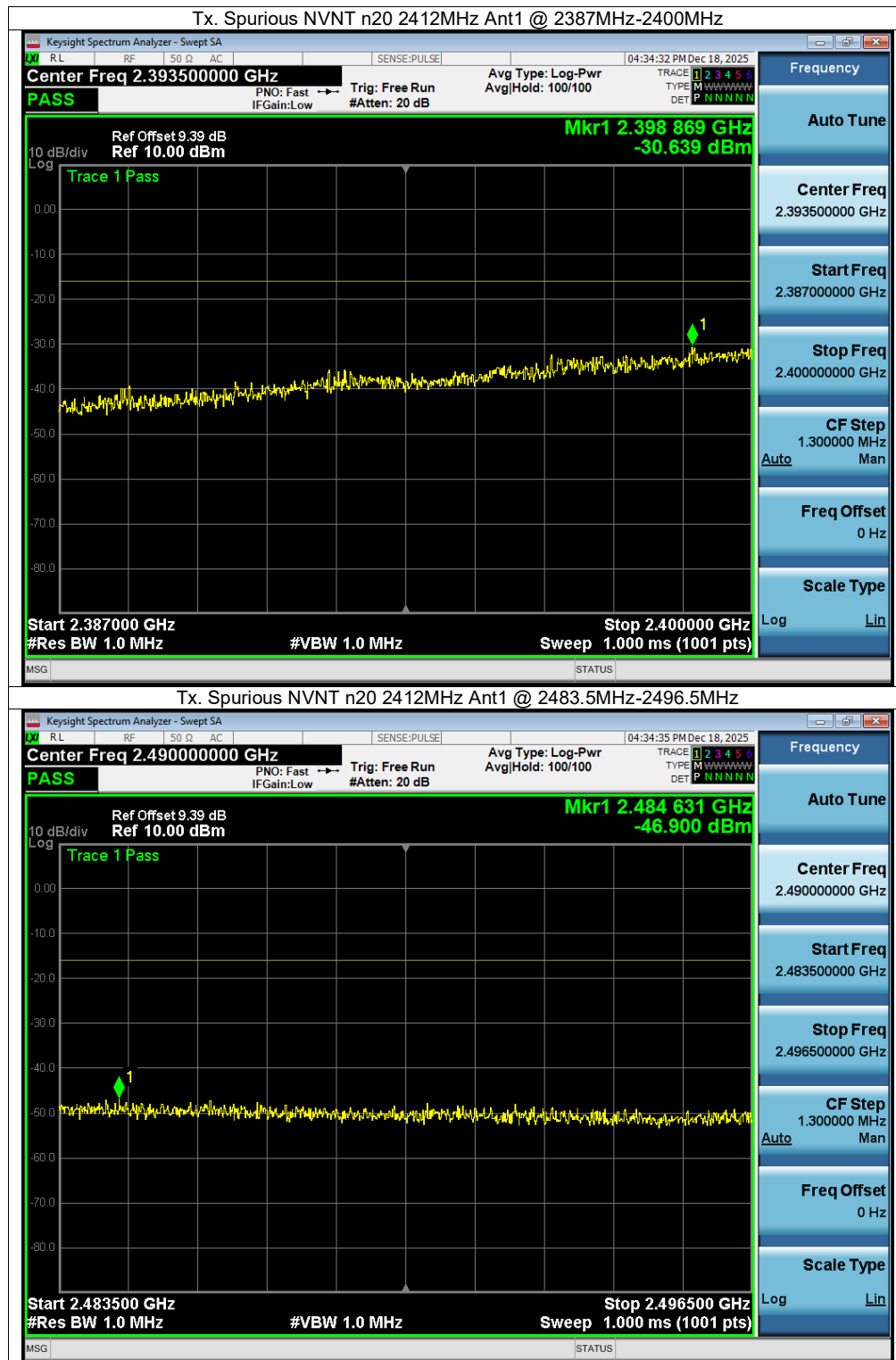


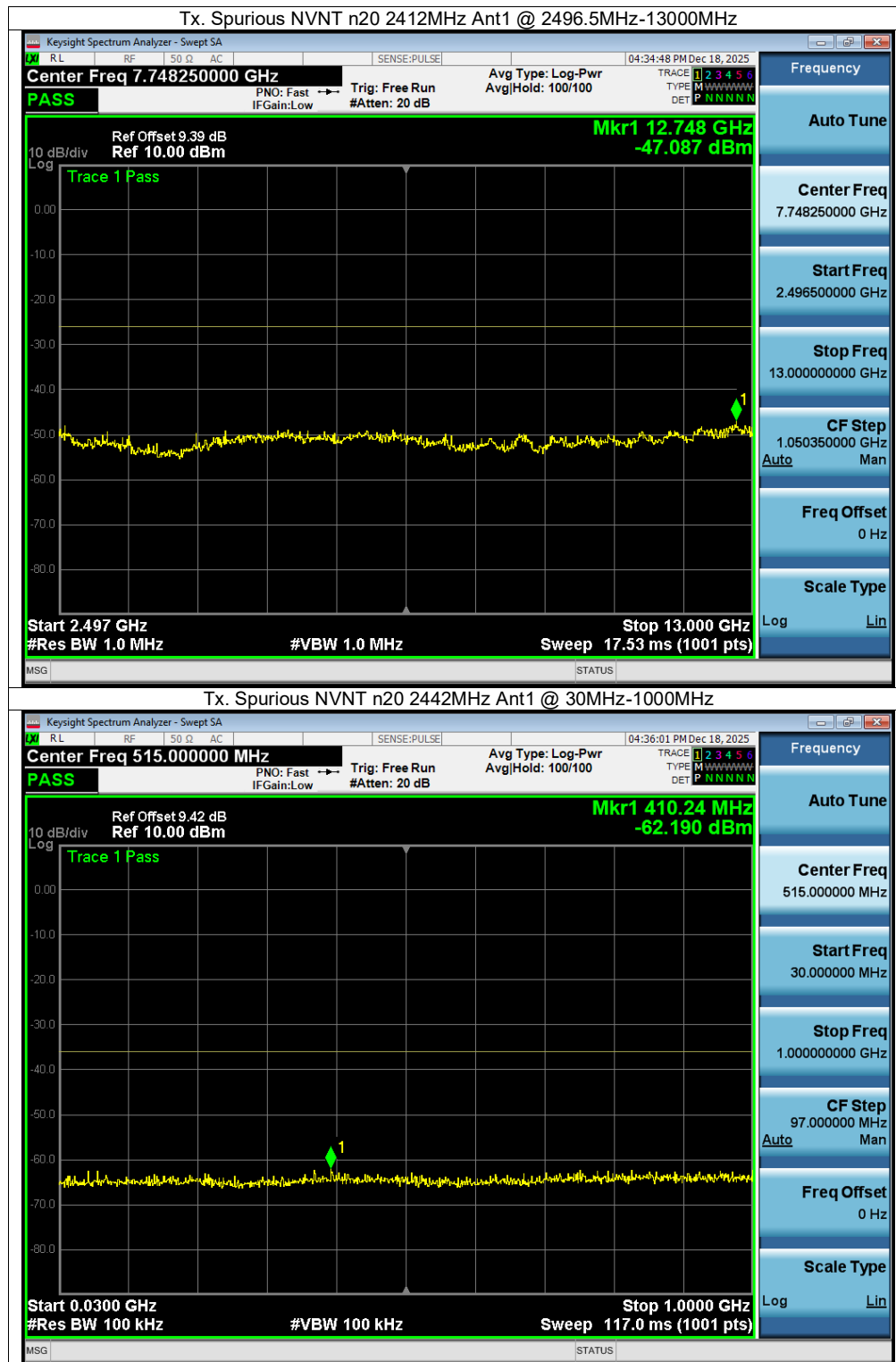




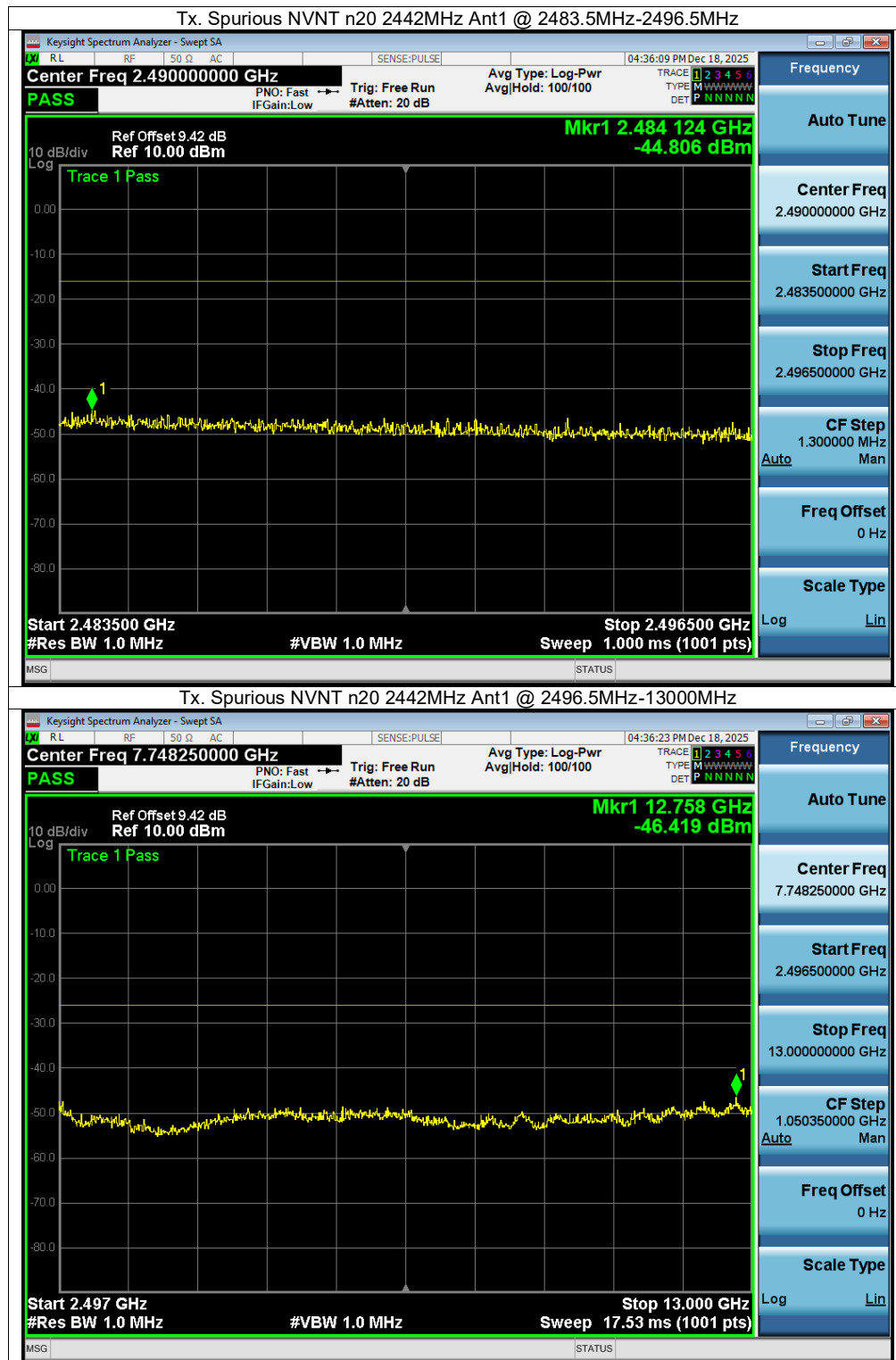


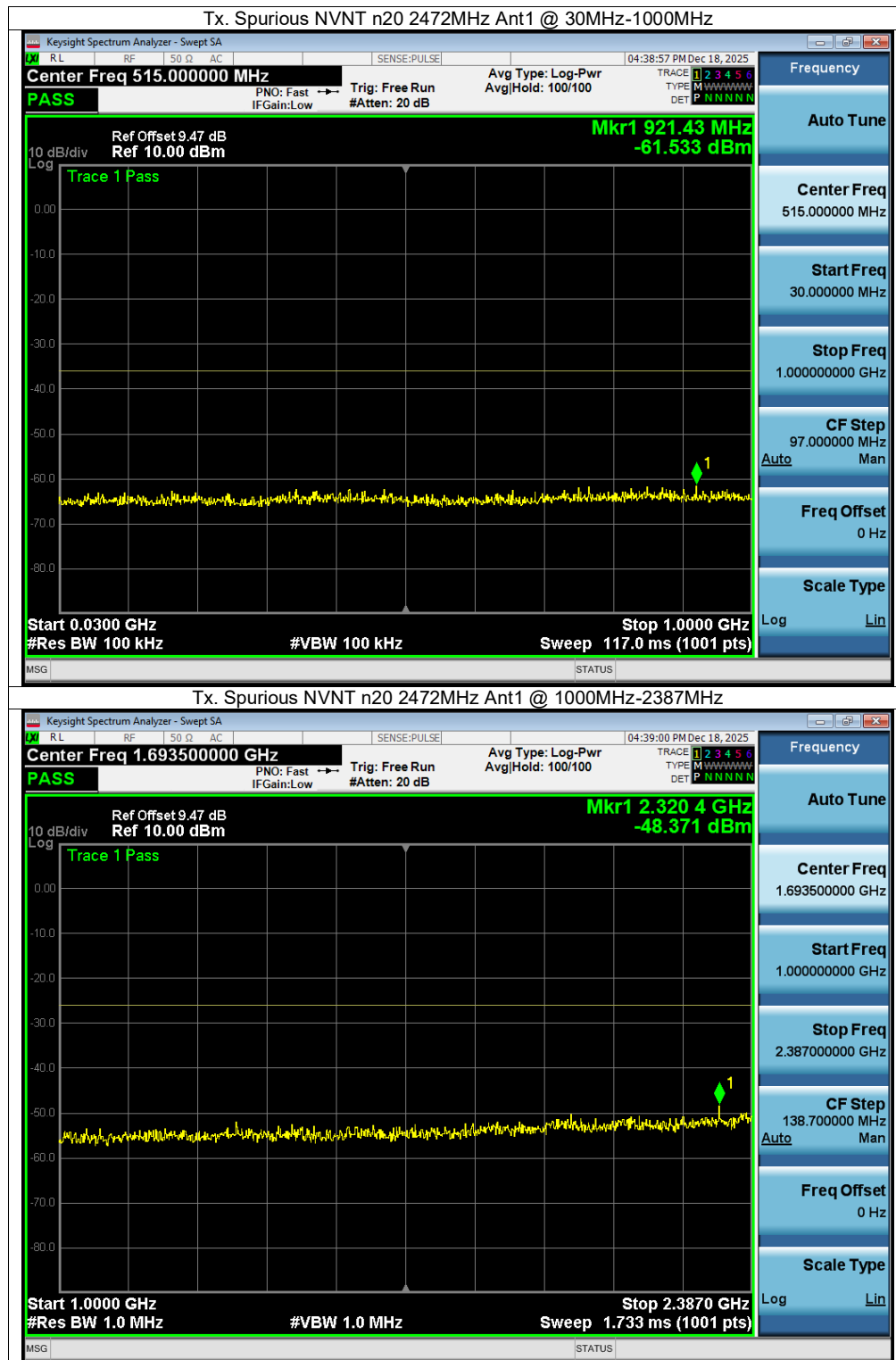




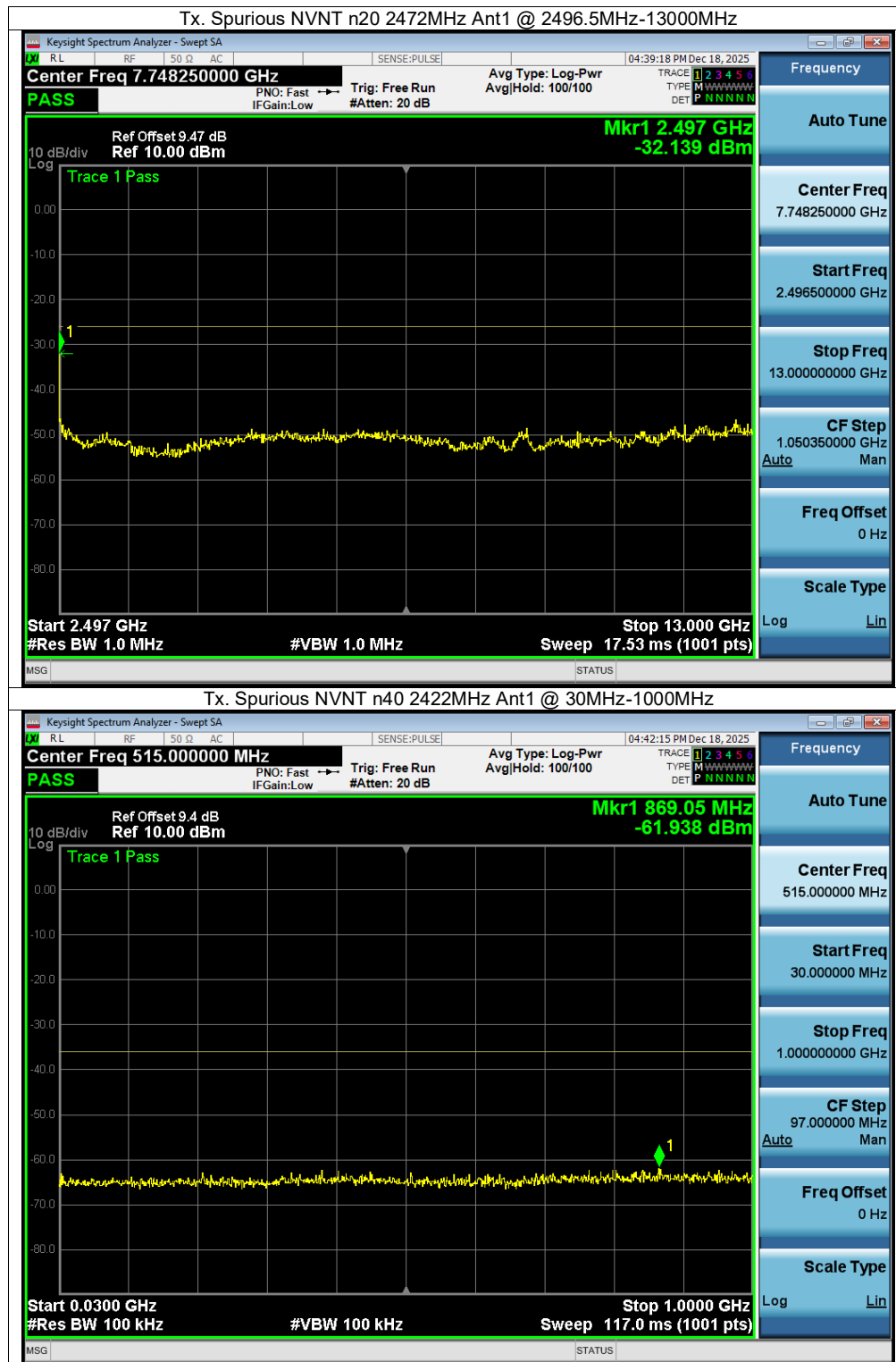


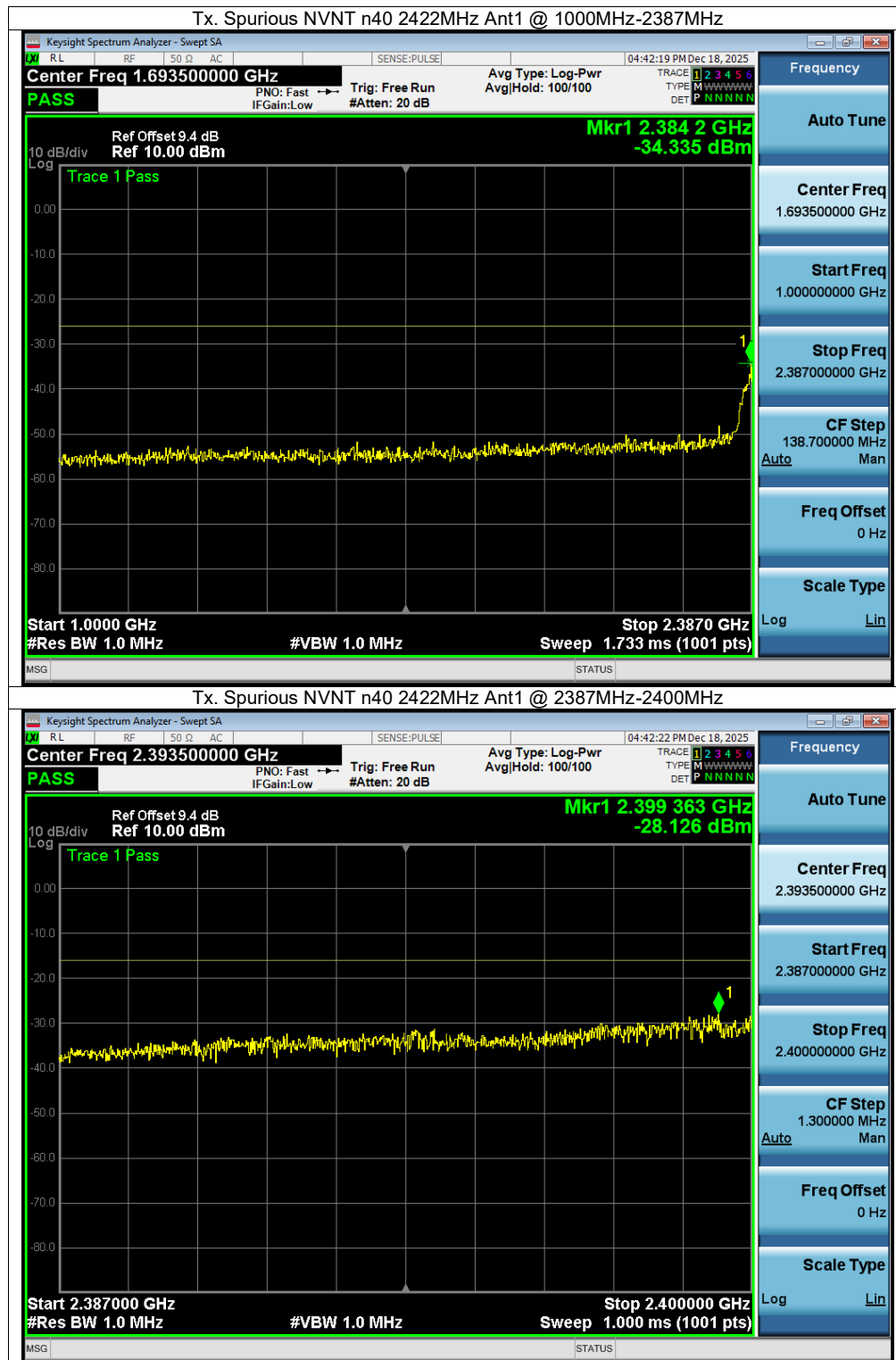


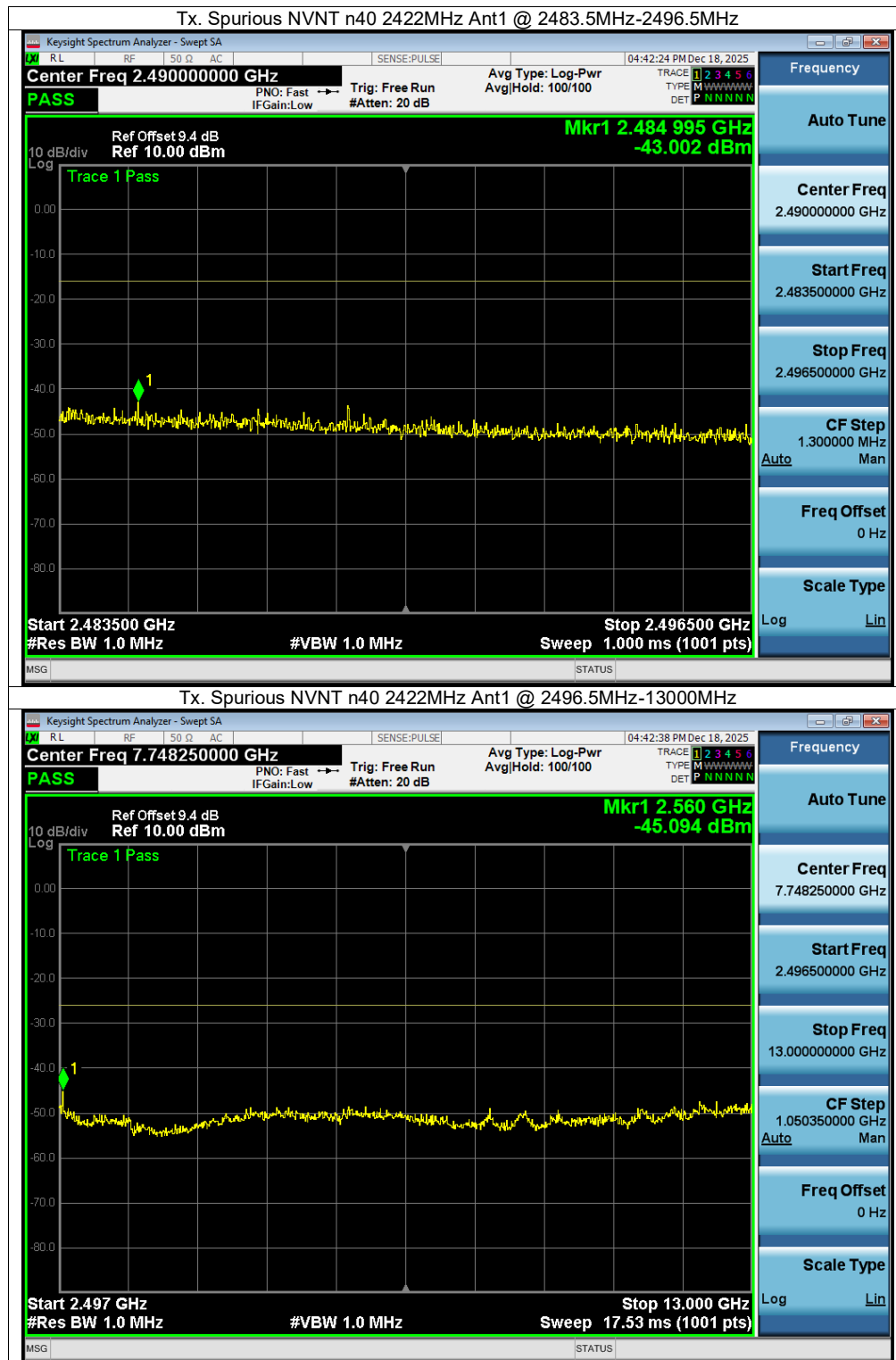


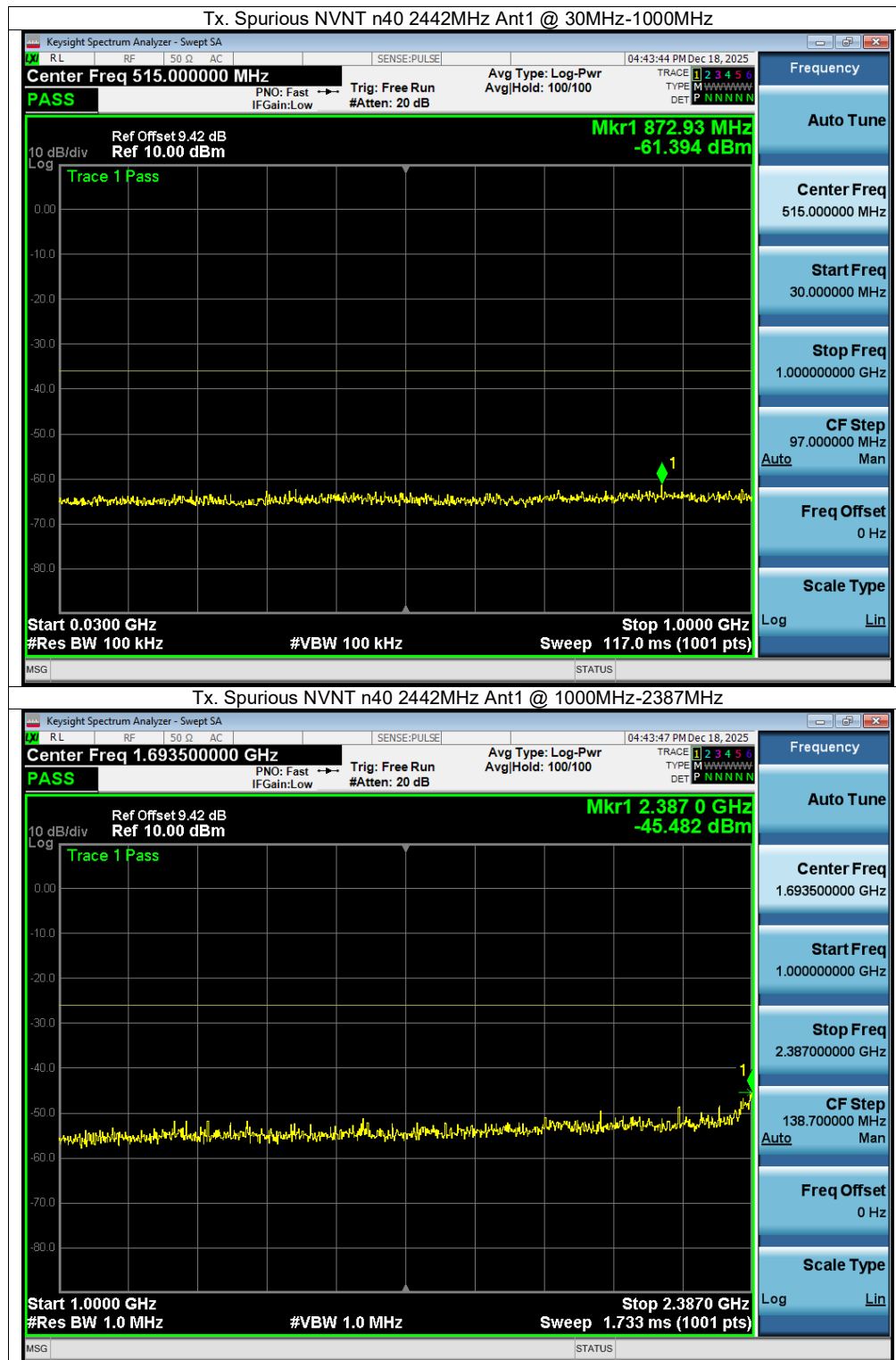


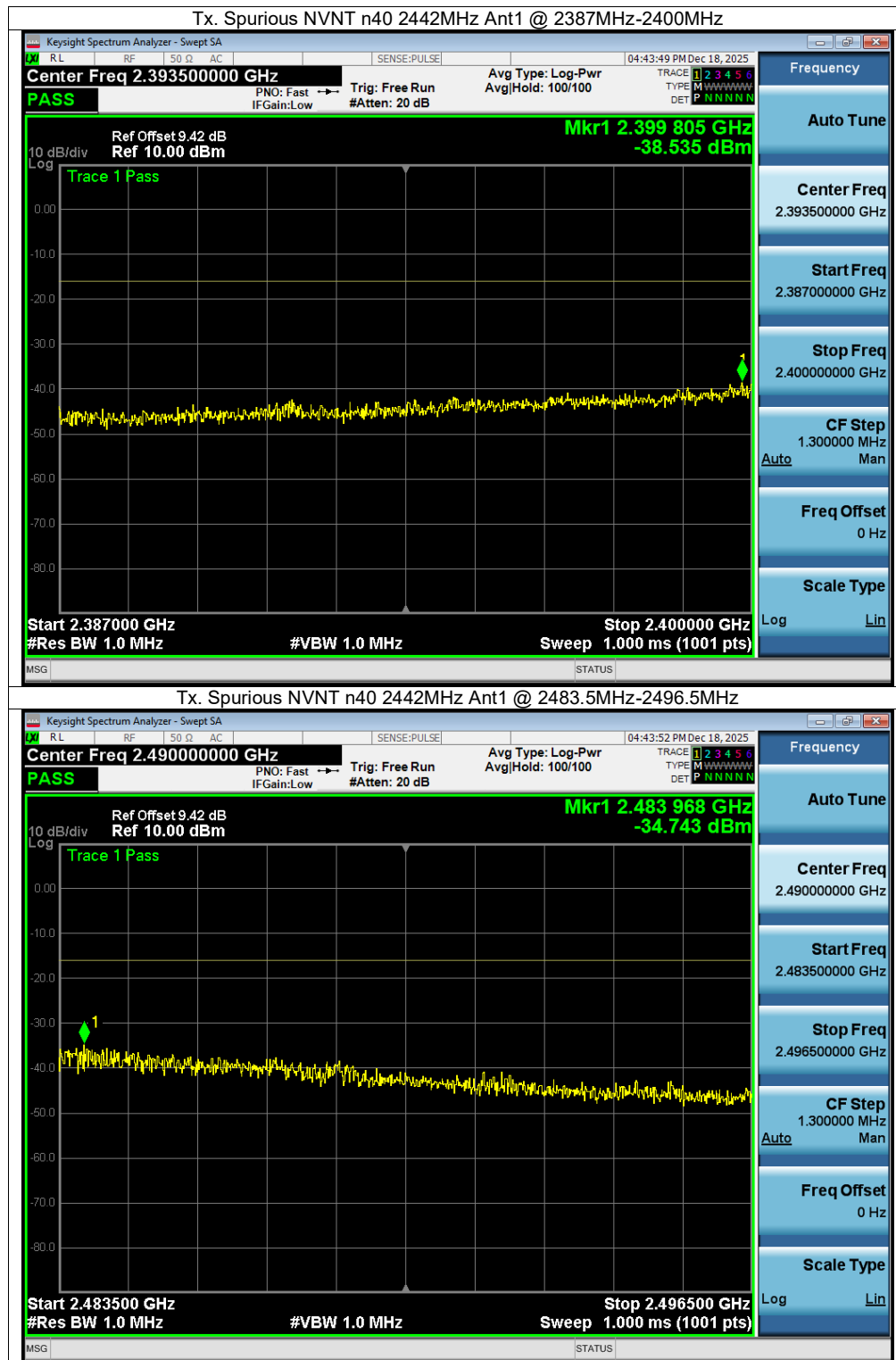


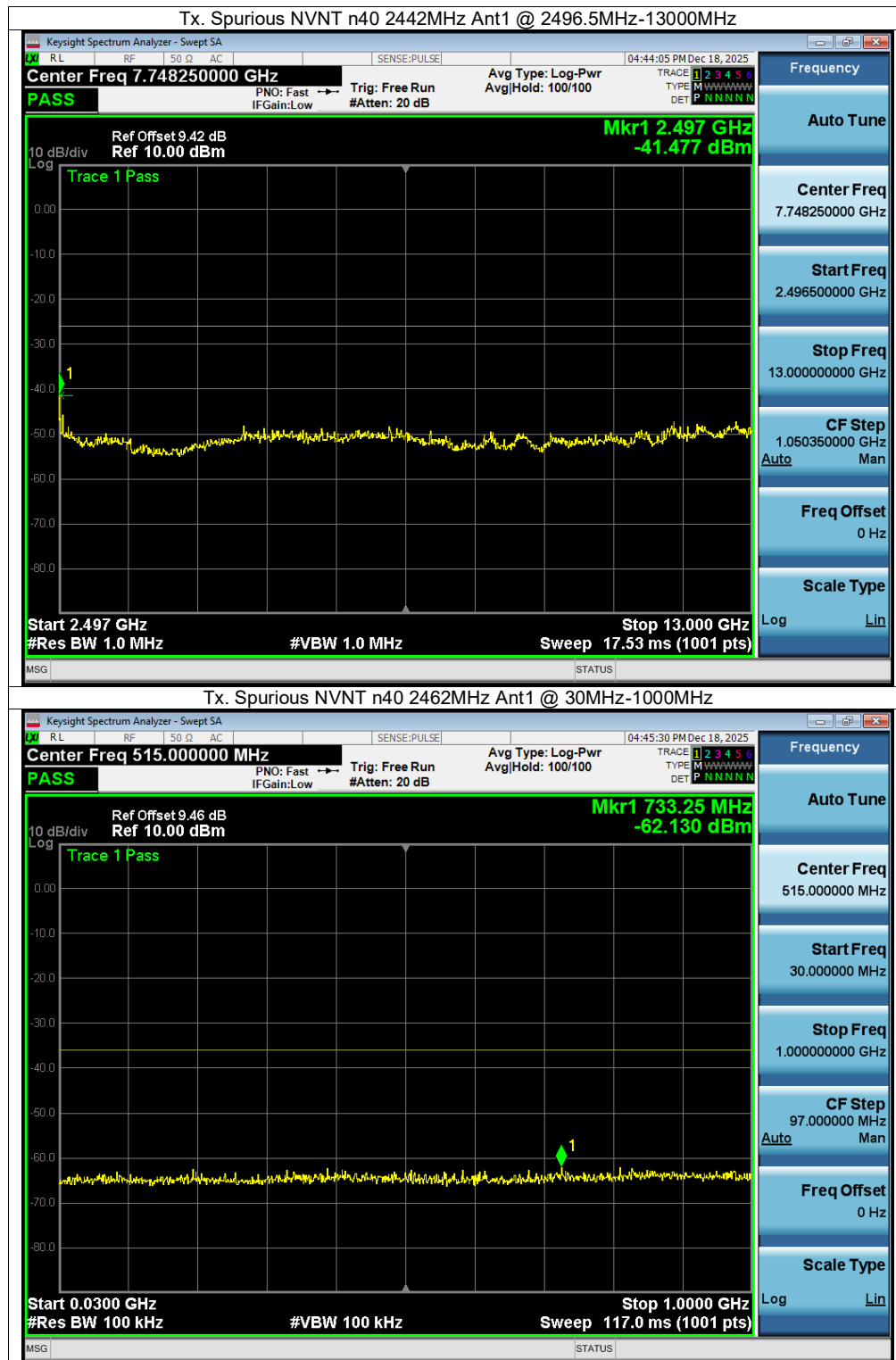


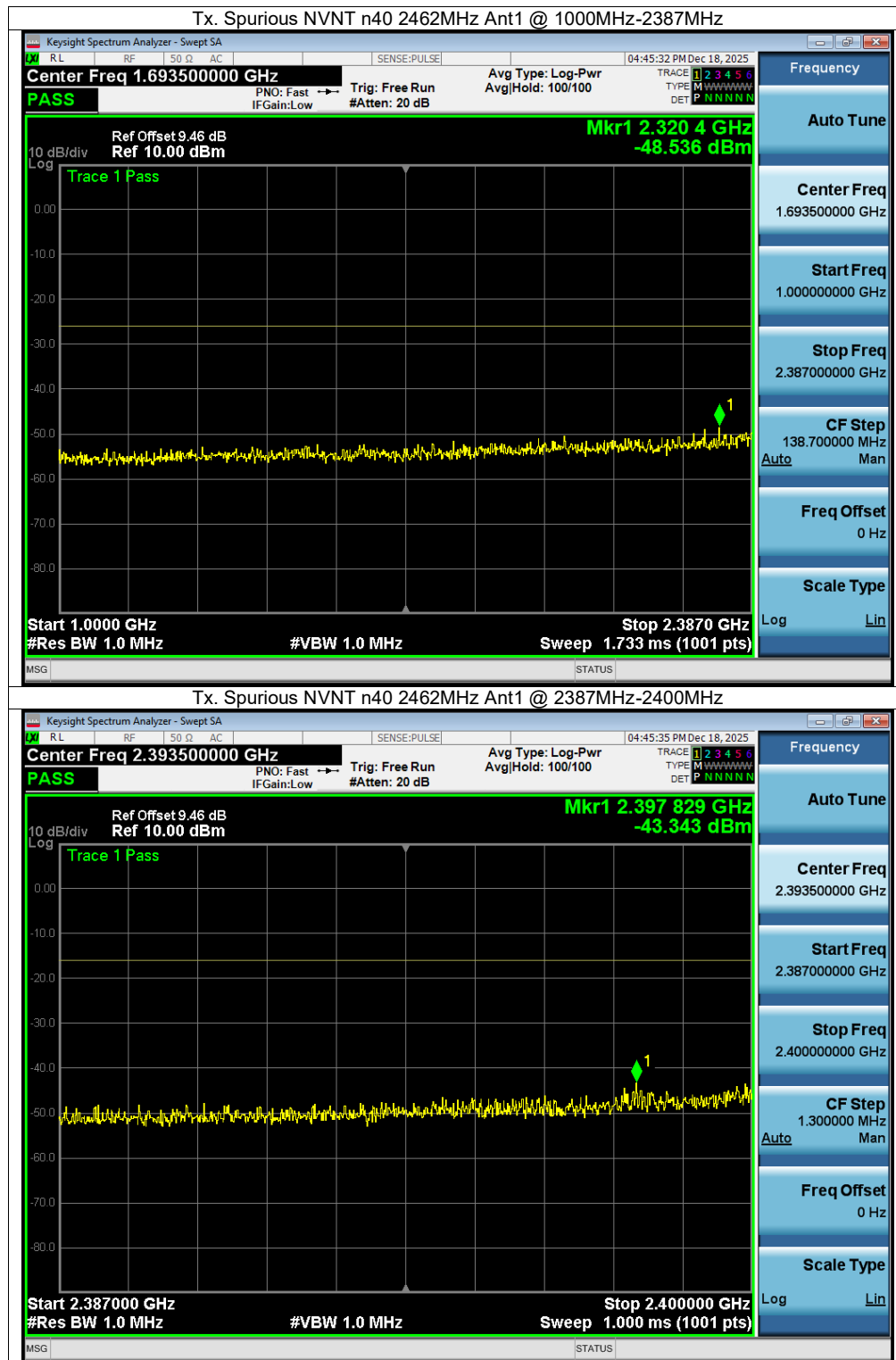








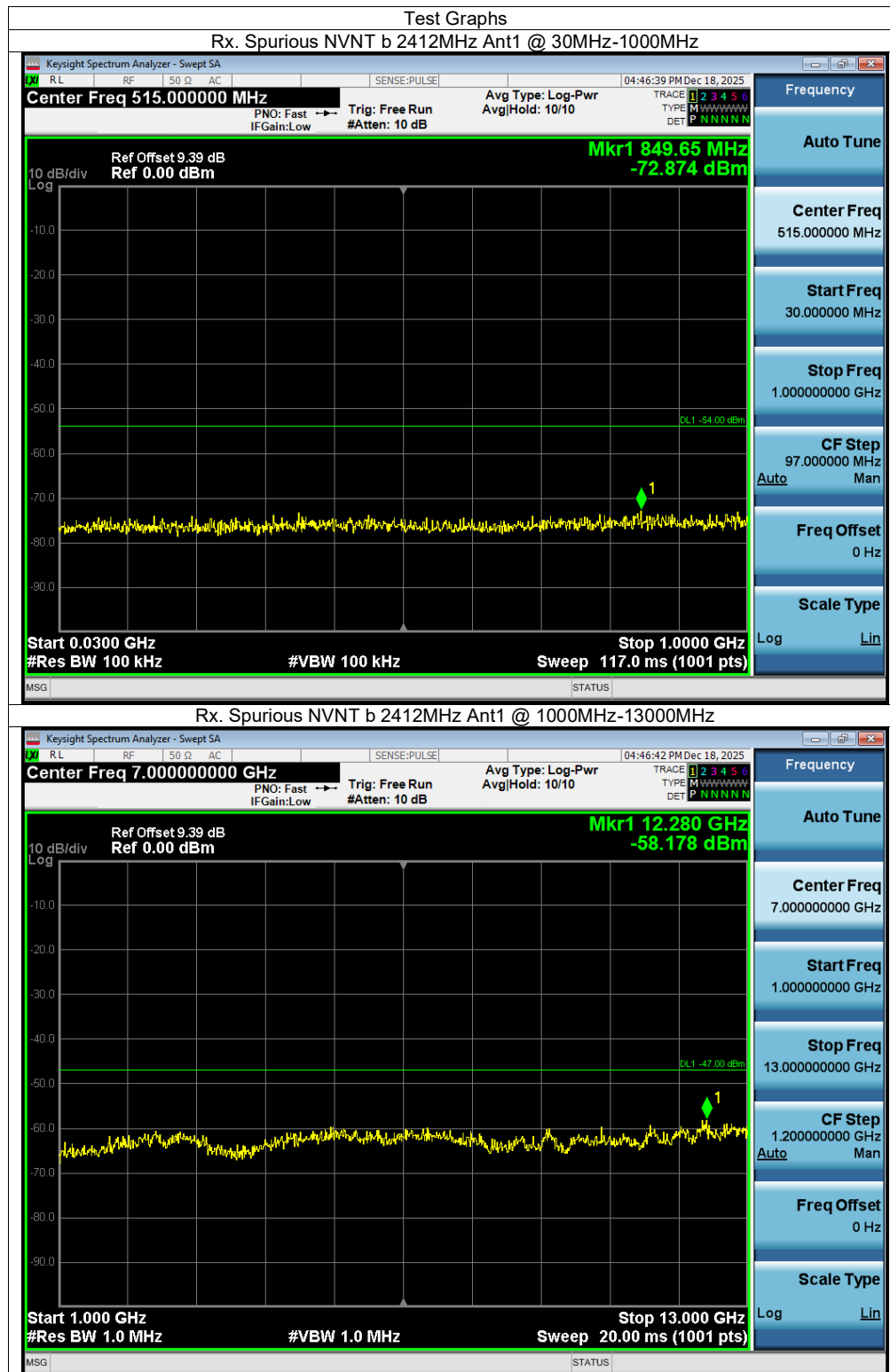


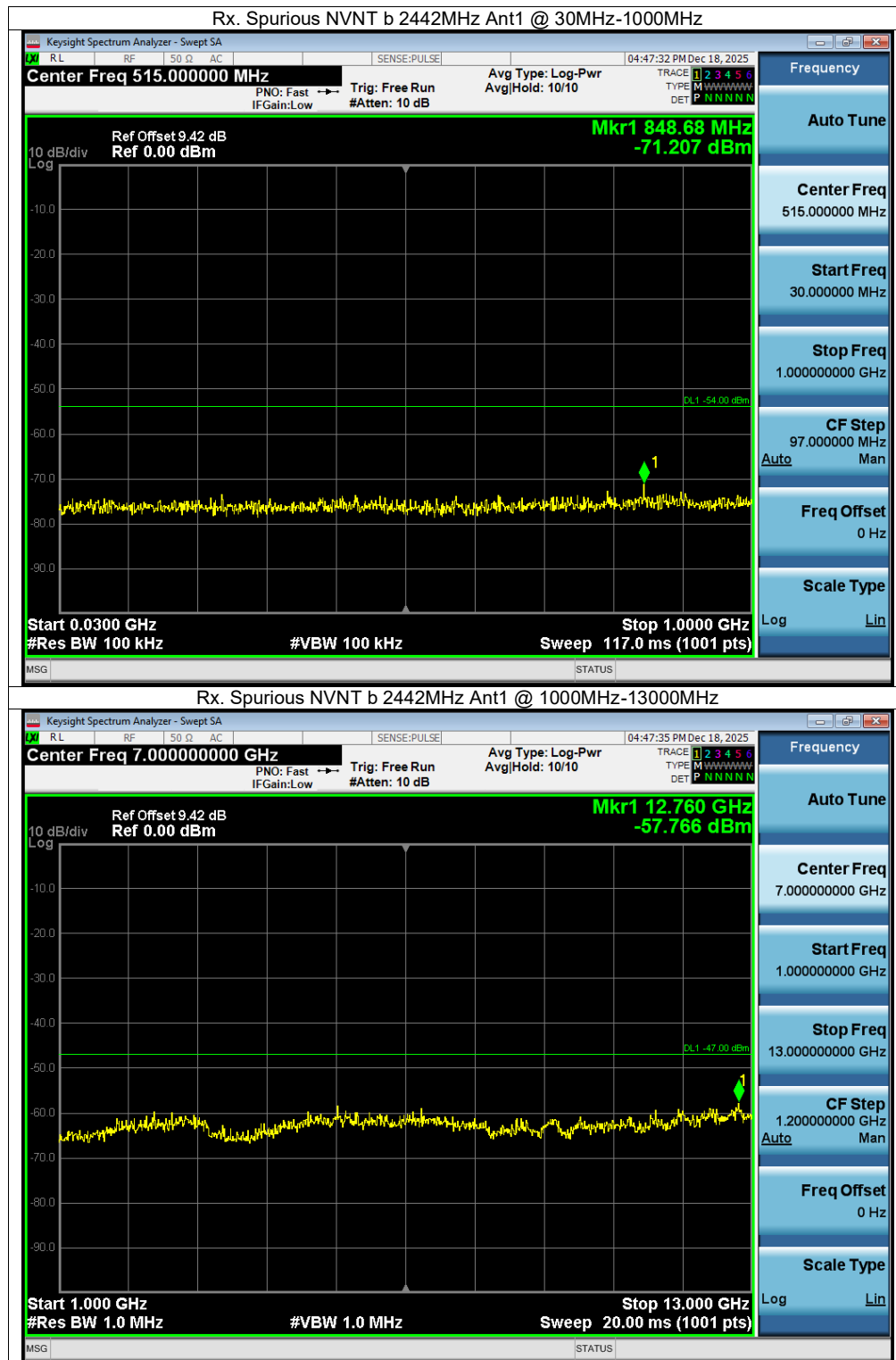


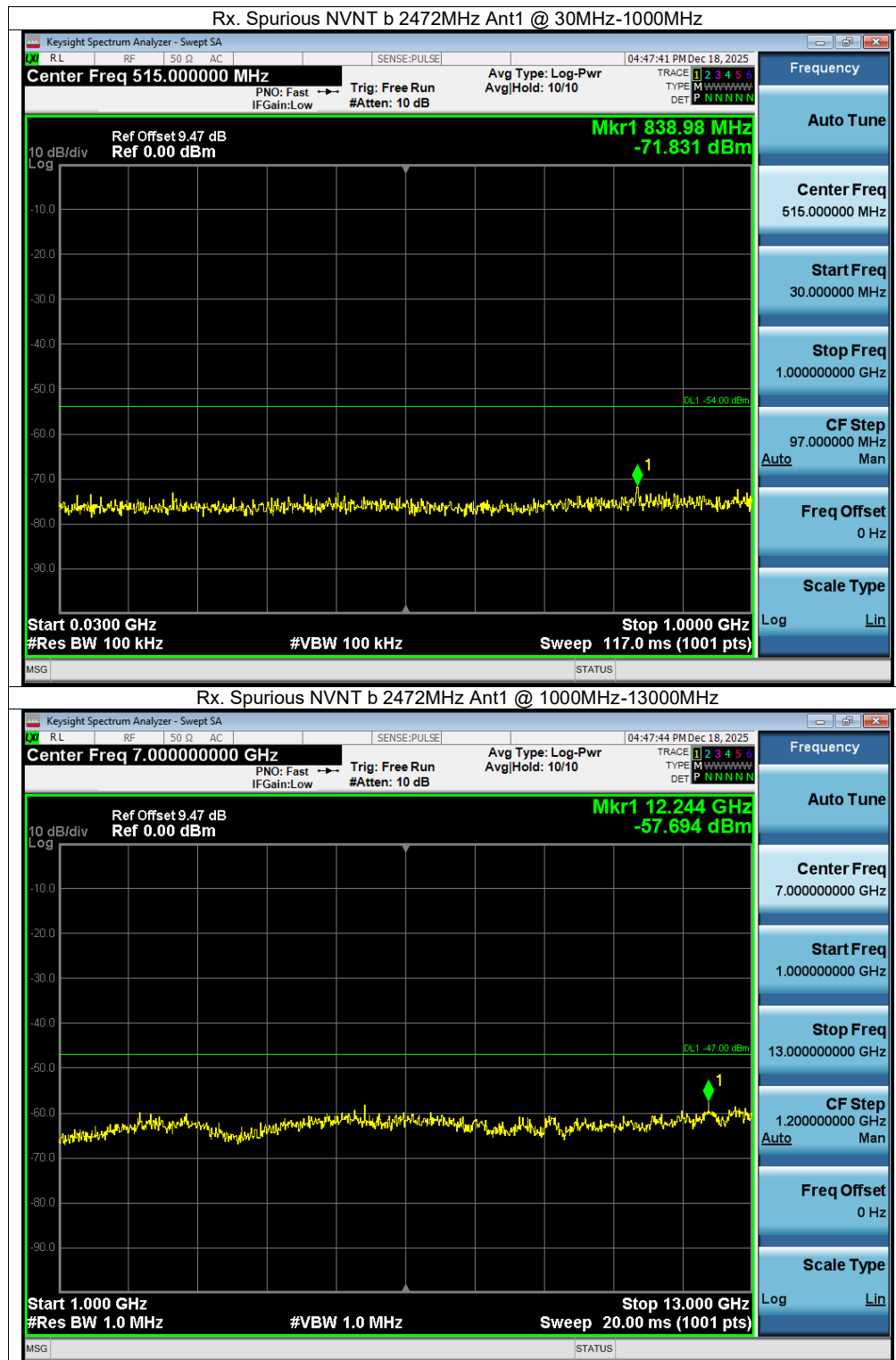


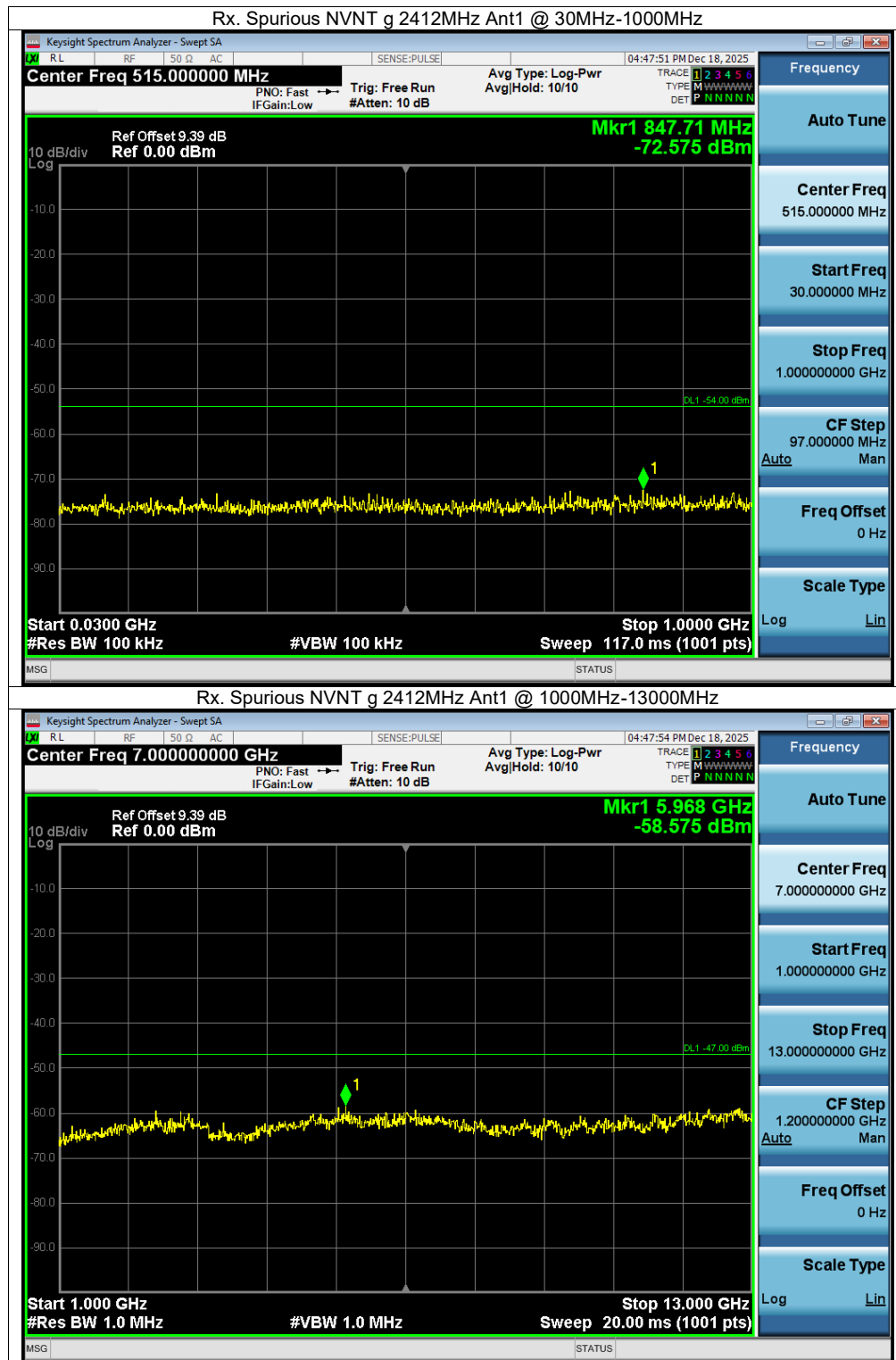
Rx Spurious Emission

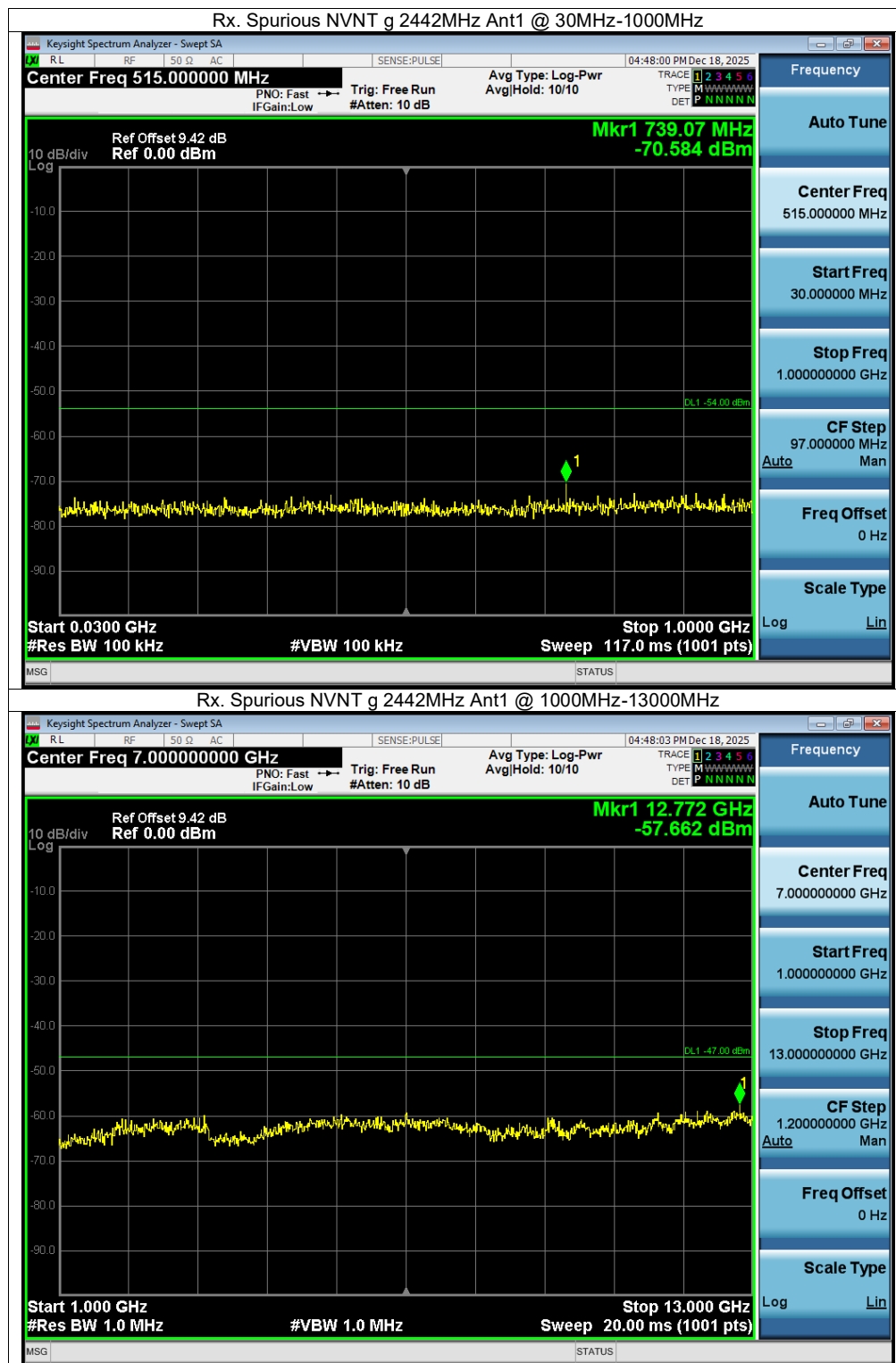
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	30-1000	849.65	-72.87	-54	Pass
NVNT	b	2412	Ant1	1000-13000	12280	-58.18	-47	Pass
NVNT	b	2442	Ant1	30-1000	848.68	-71.21	-54	Pass
NVNT	b	2442	Ant1	1000-13000	12760	-57.77	-47	Pass
NVNT	b	2472	Ant1	30-1000	838.98	-71.83	-54	Pass
NVNT	b	2472	Ant1	1000-13000	12244	-57.69	-47	Pass
NVNT	g	2412	Ant1	30-1000	847.71	-72.58	-54	Pass
NVNT	g	2412	Ant1	1000-13000	5968	-58.58	-47	Pass
NVNT	g	2442	Ant1	30-1000	739.07	-70.58	-54	Pass
NVNT	g	2442	Ant1	1000-13000	12772	-57.66	-47	Pass
NVNT	g	2472	Ant1	30-1000	985.45	-72	-54	Pass
NVNT	g	2472	Ant1	1000-13000	12676	-56.96	-47	Pass
NVNT	n20	2412	Ant1	30-1000	798.24	-72.56	-54	Pass
NVNT	n20	2412	Ant1	1000-13000	12868	-57.64	-47	Pass
NVNT	n20	2442	Ant1	30-1000	859.35	-73.15	-54	Pass
NVNT	n20	2442	Ant1	1000-13000	12232	-58.33	-47	Pass
NVNT	n20	2472	Ant1	30-1000	755.56	-71.92	-54	Pass
NVNT	n20	2472	Ant1	1000-13000	12184	-58.26	-47	Pass
NVNT	n40	2422	Ant1	30-1000	804.06	-73.13	-54	Pass
NVNT	n40	2422	Ant1	1000-13000	12232	-58.13	-47	Pass
NVNT	n40	2442	Ant1	30-1000	731.31	-72.84	-54	Pass
NVNT	n40	2442	Ant1	1000-13000	7528	-57.99	-47	Pass
NVNT	n40	2462	Ant1	30-1000	423.82	-72.48	-54	Pass
NVNT	n40	2462	Ant1	1000-13000	12748	-58.31	-47	Pass

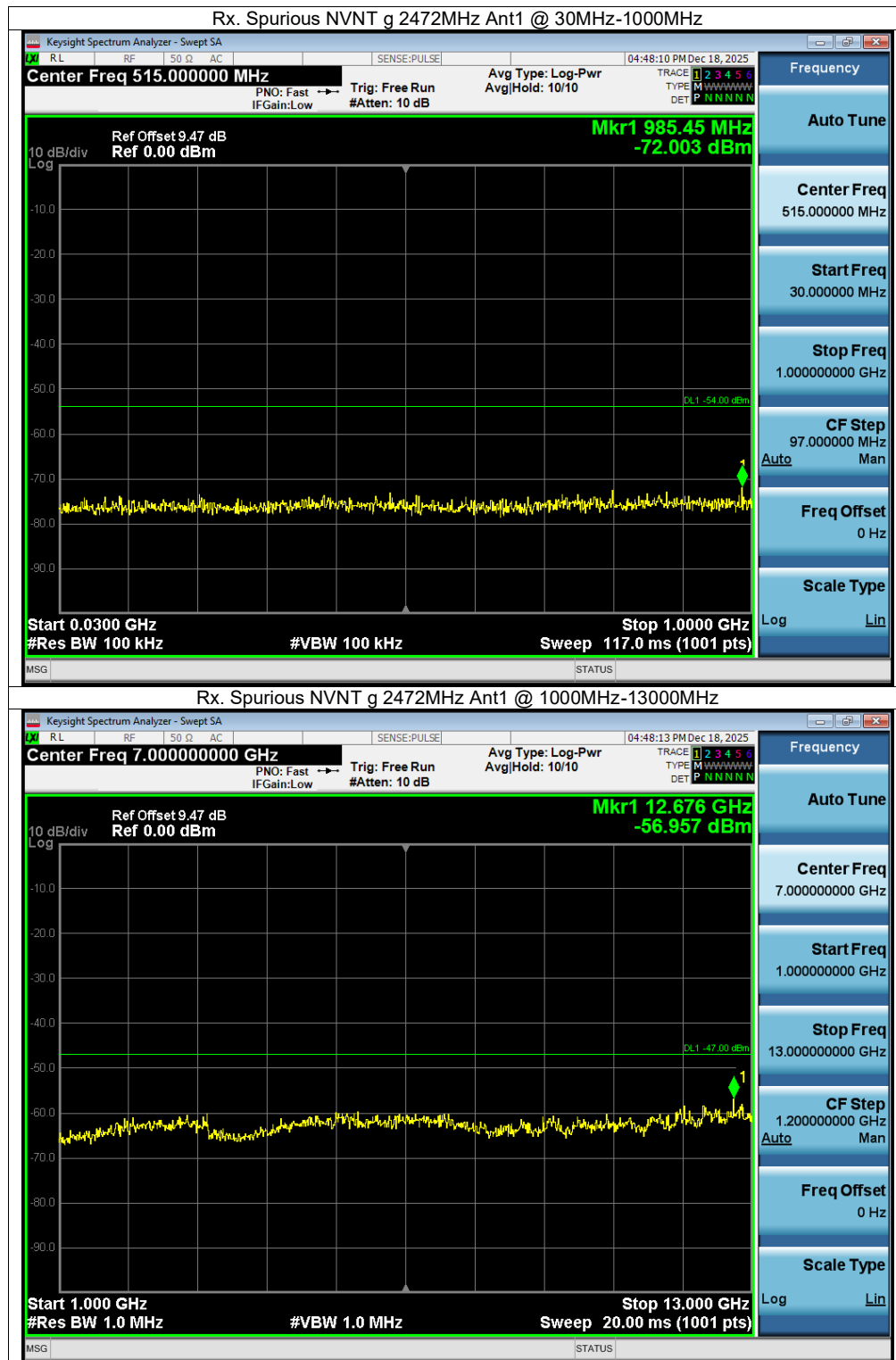


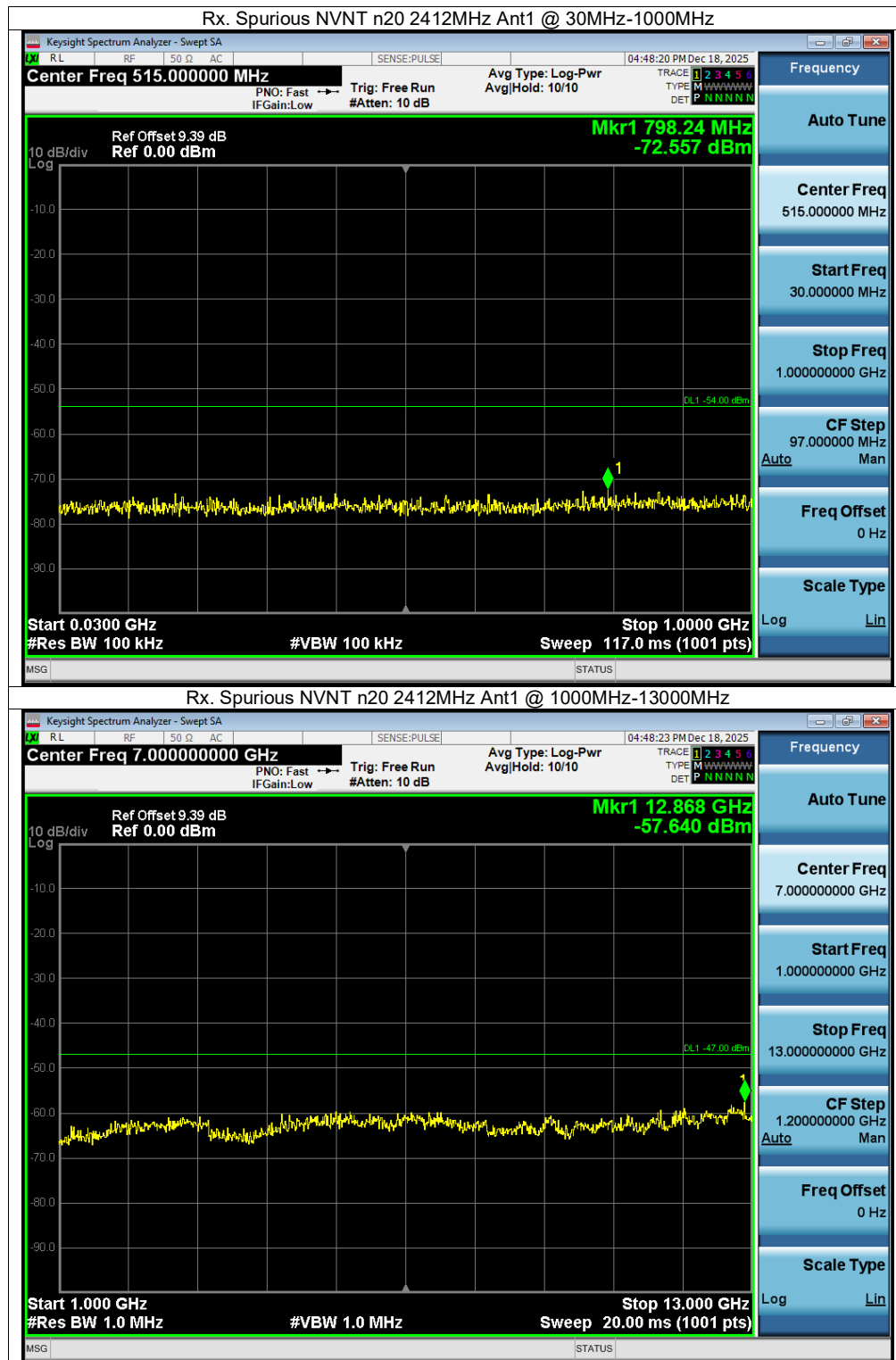


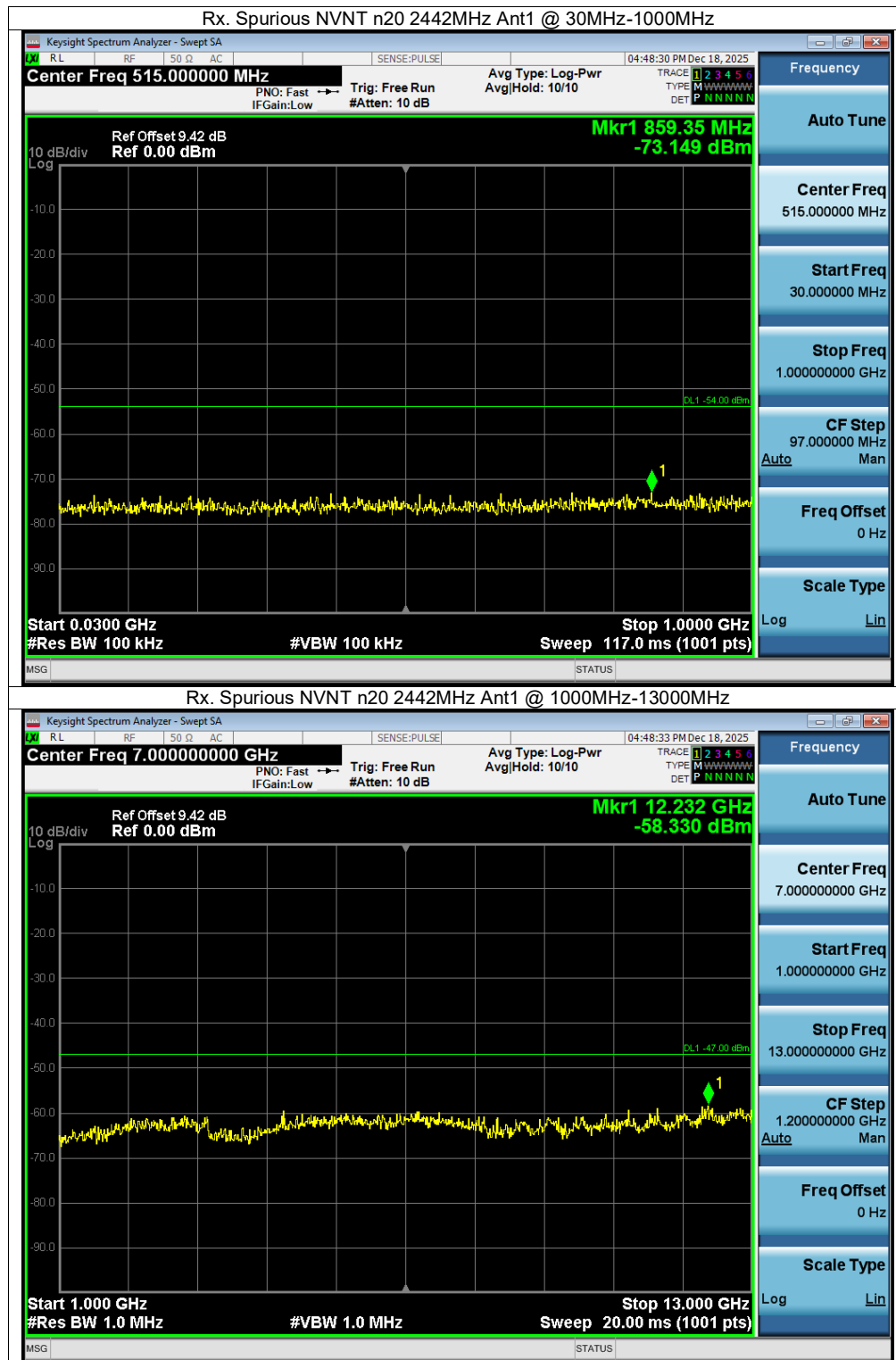


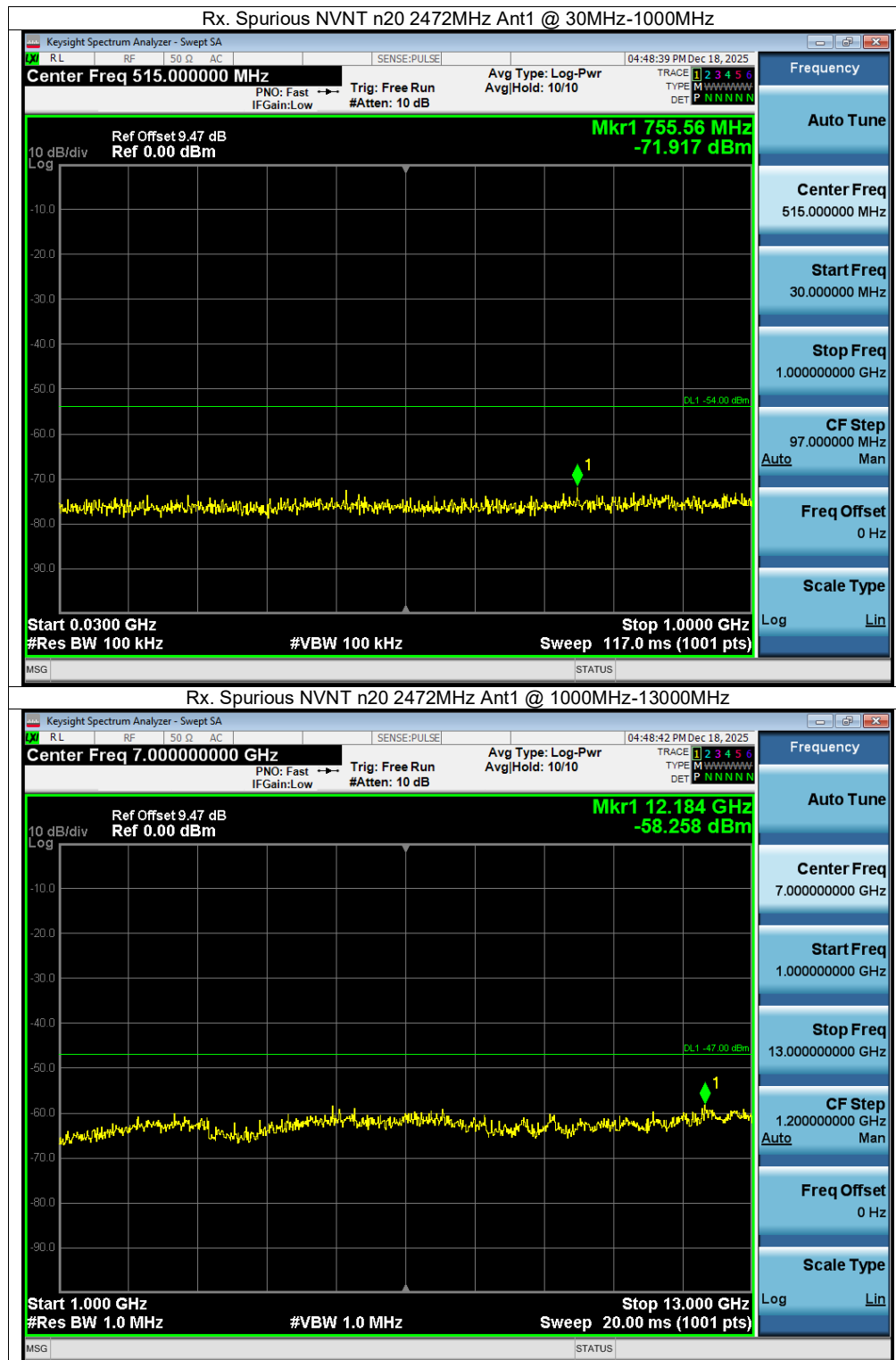


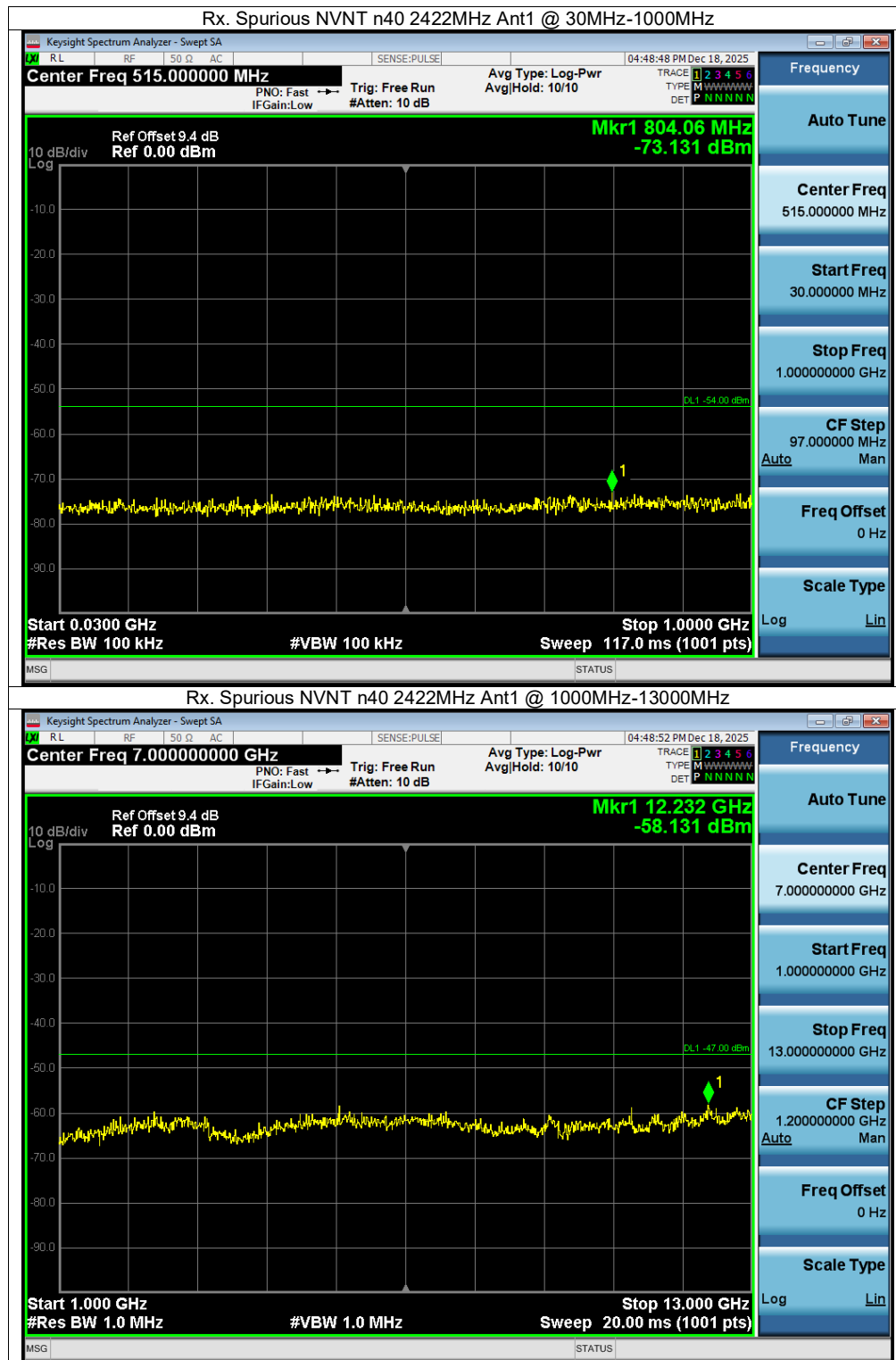


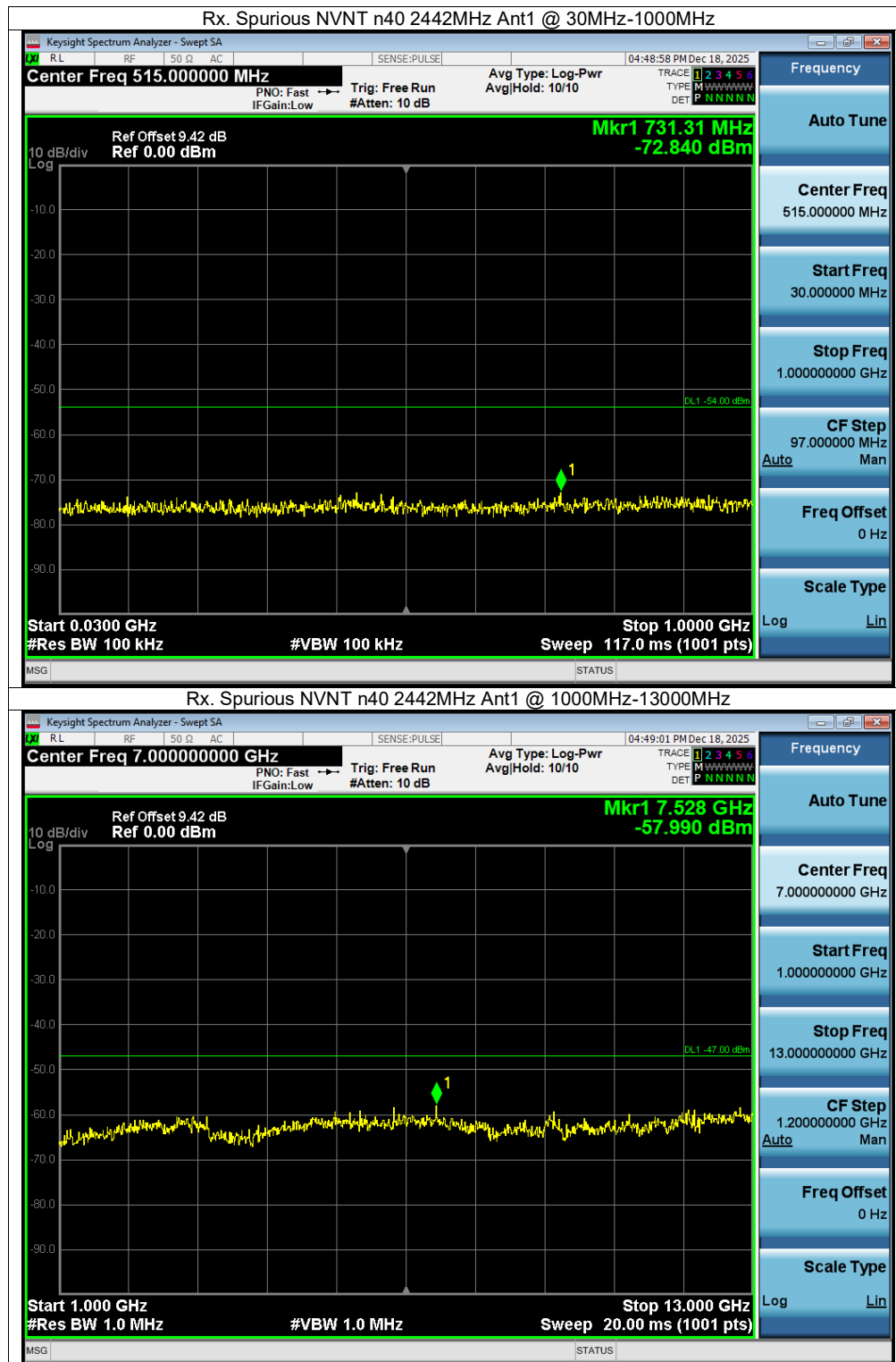


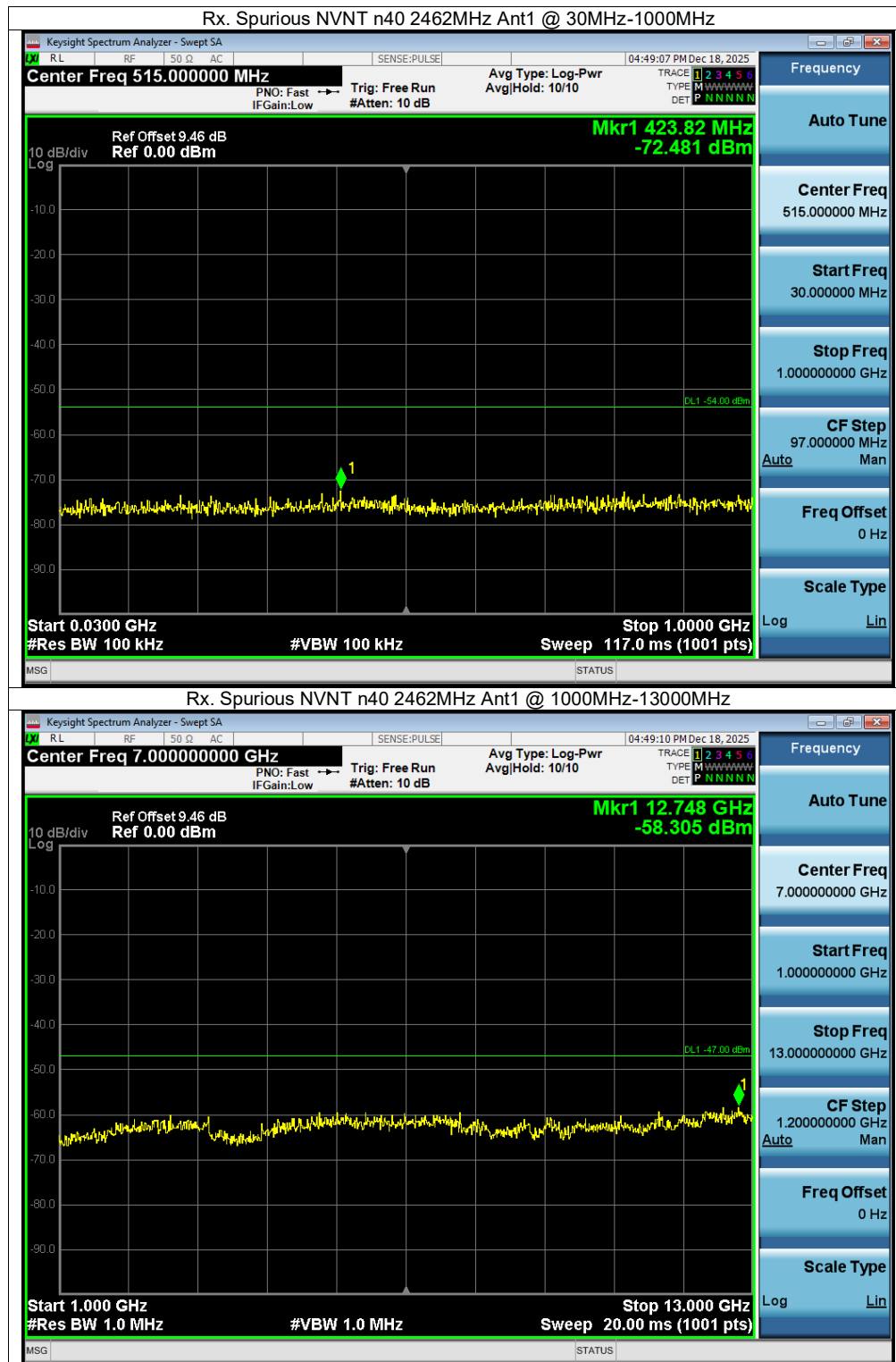




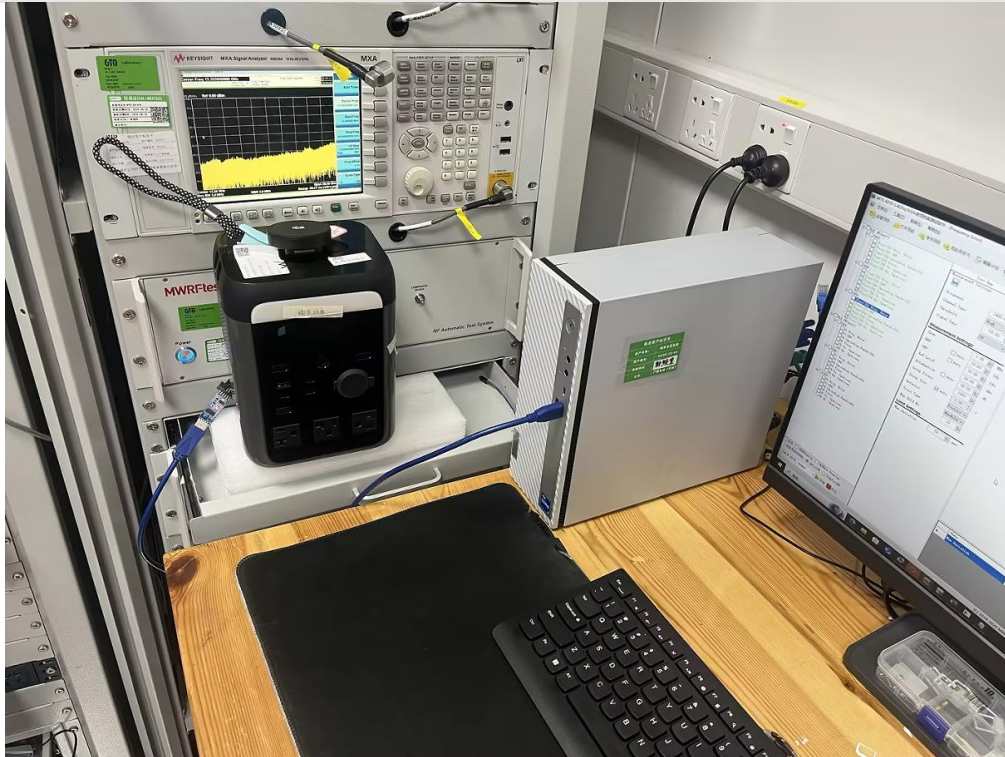








APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION



APPENDIX: PHOTOGRAPHS OF THE EUT

External





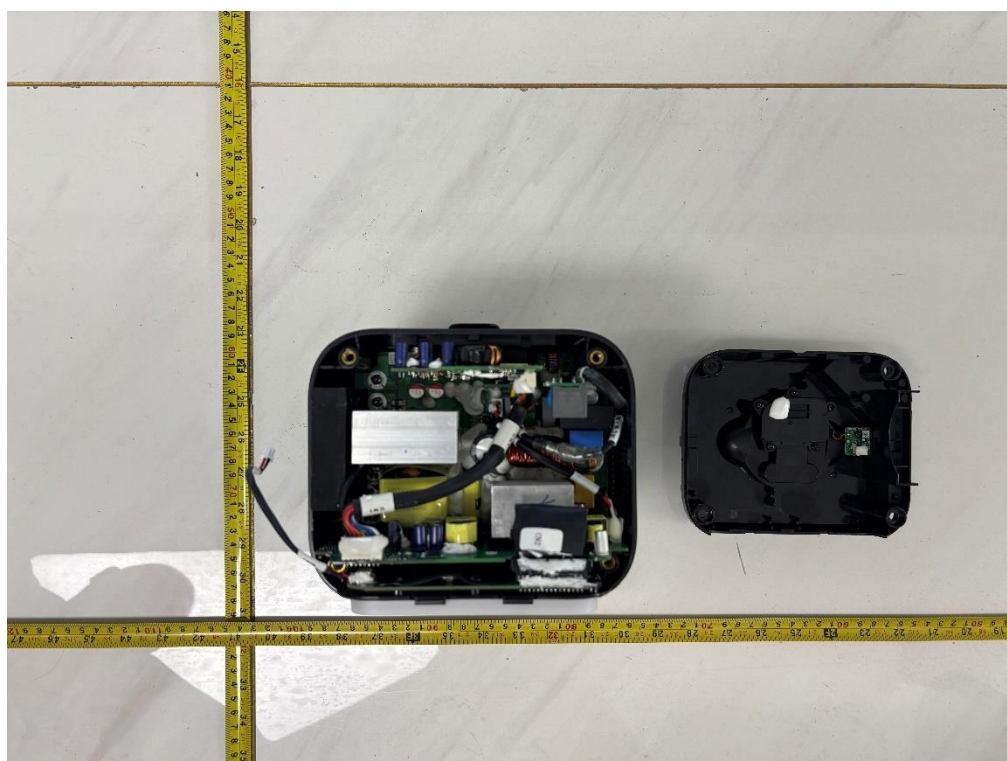


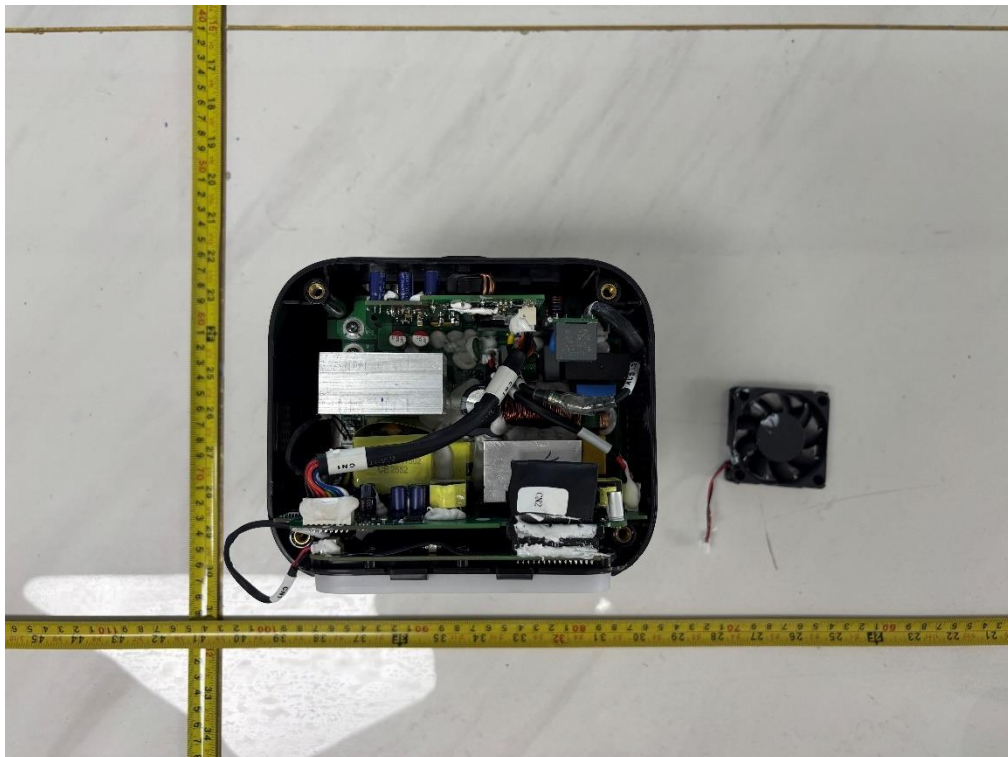
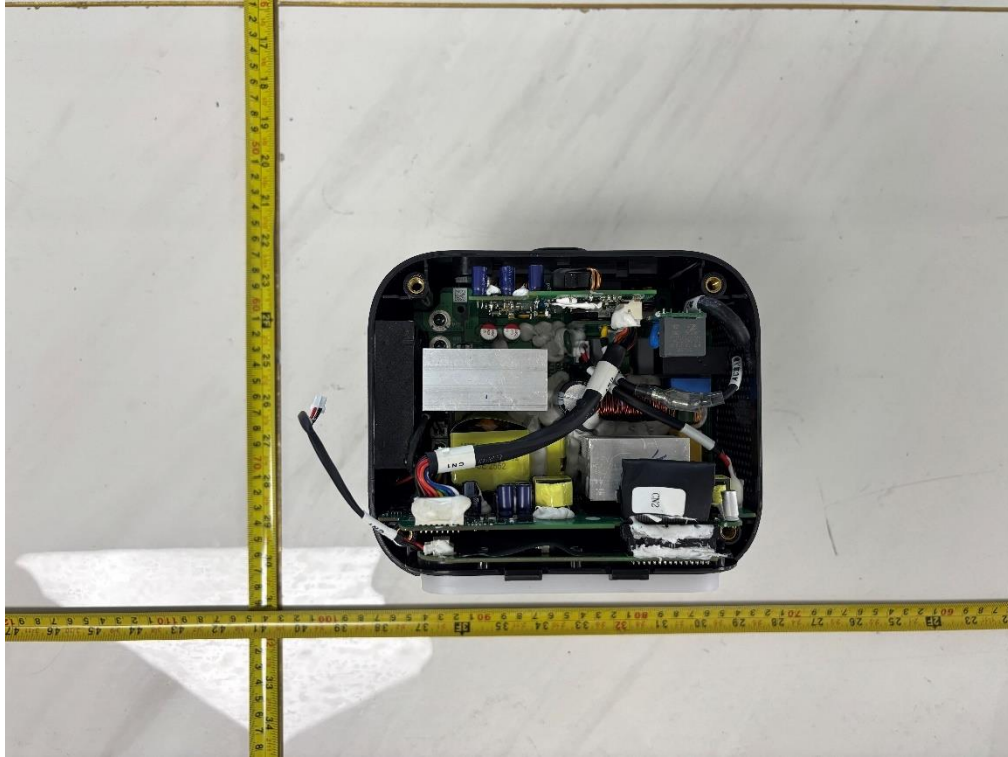


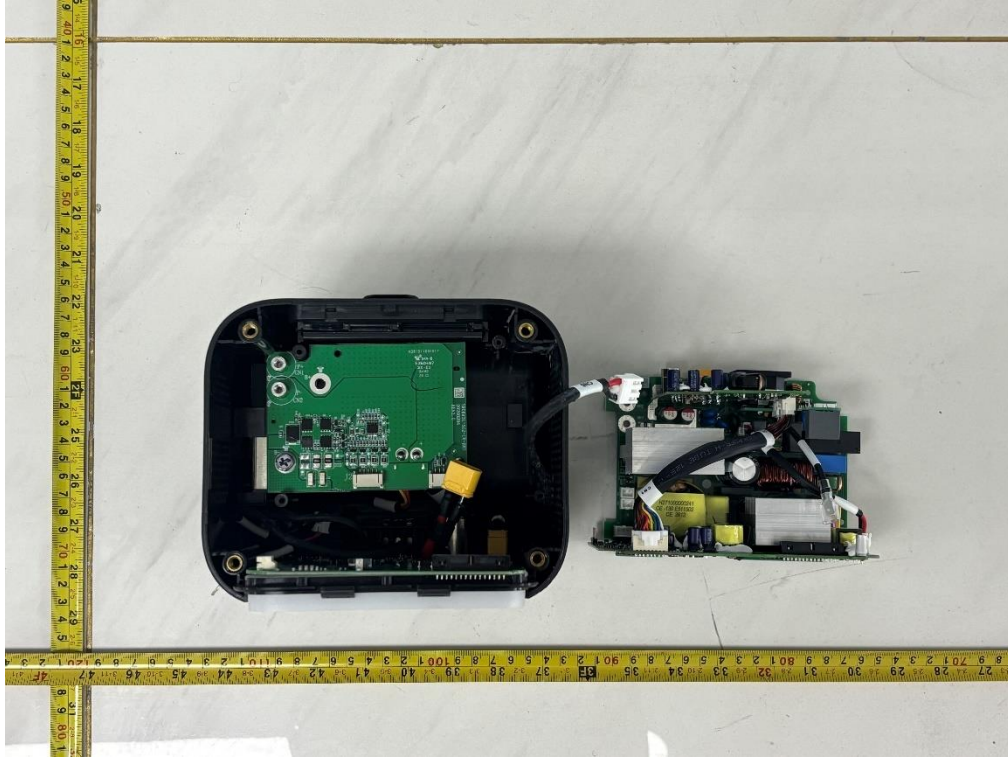


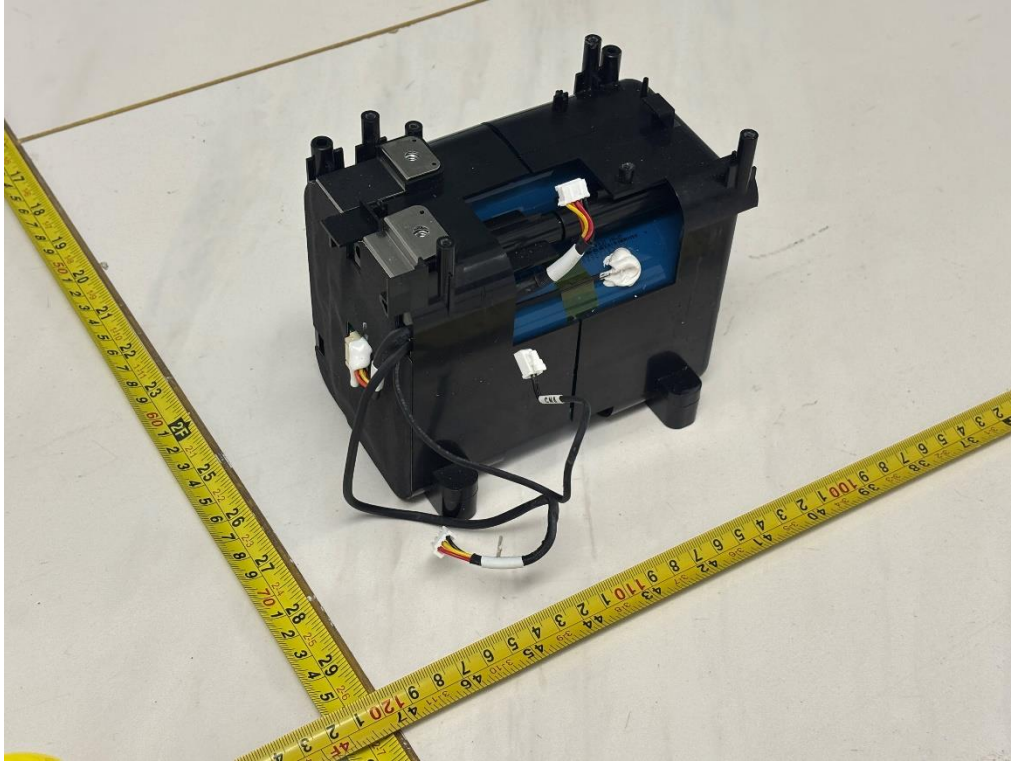
Internal

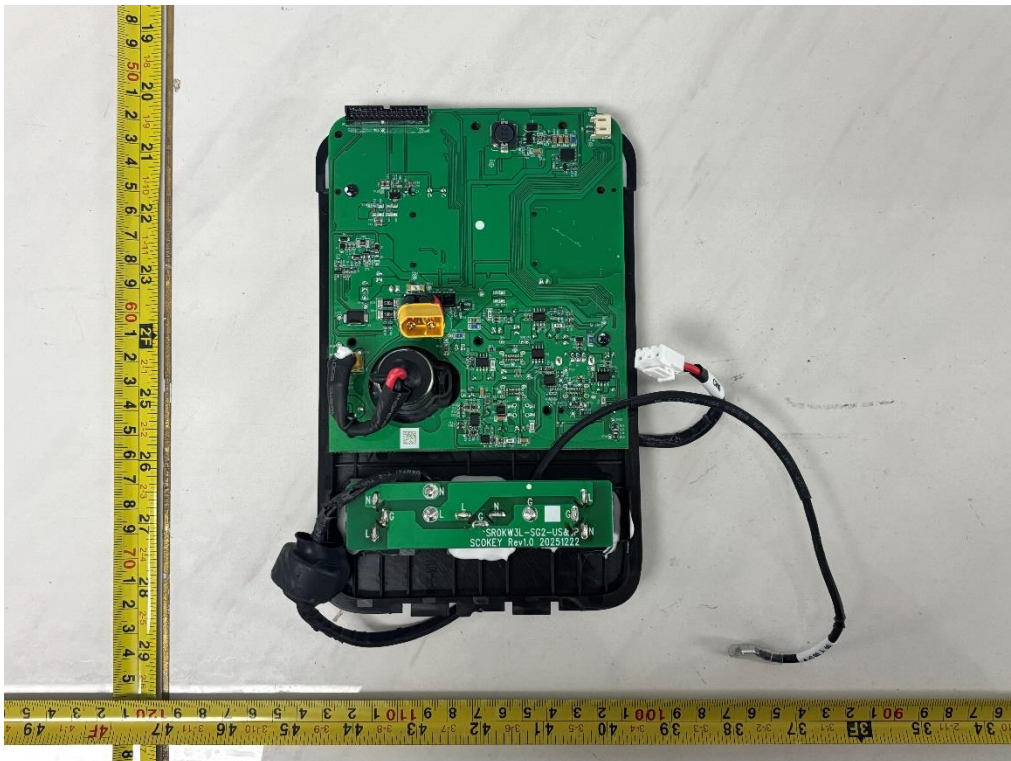
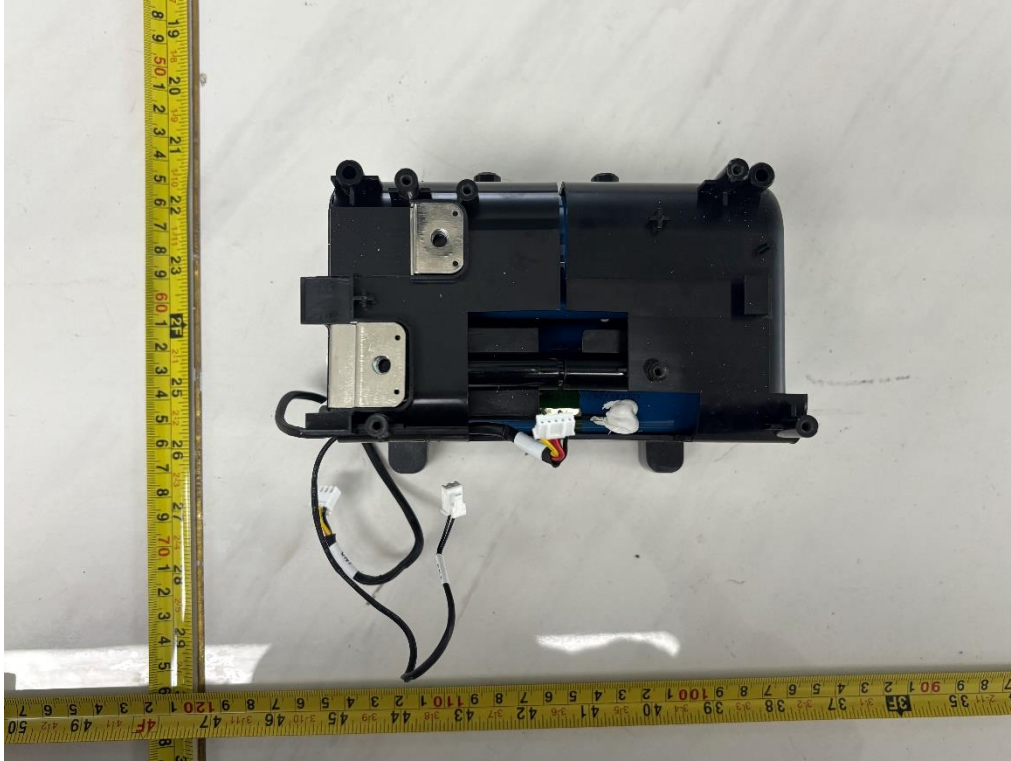


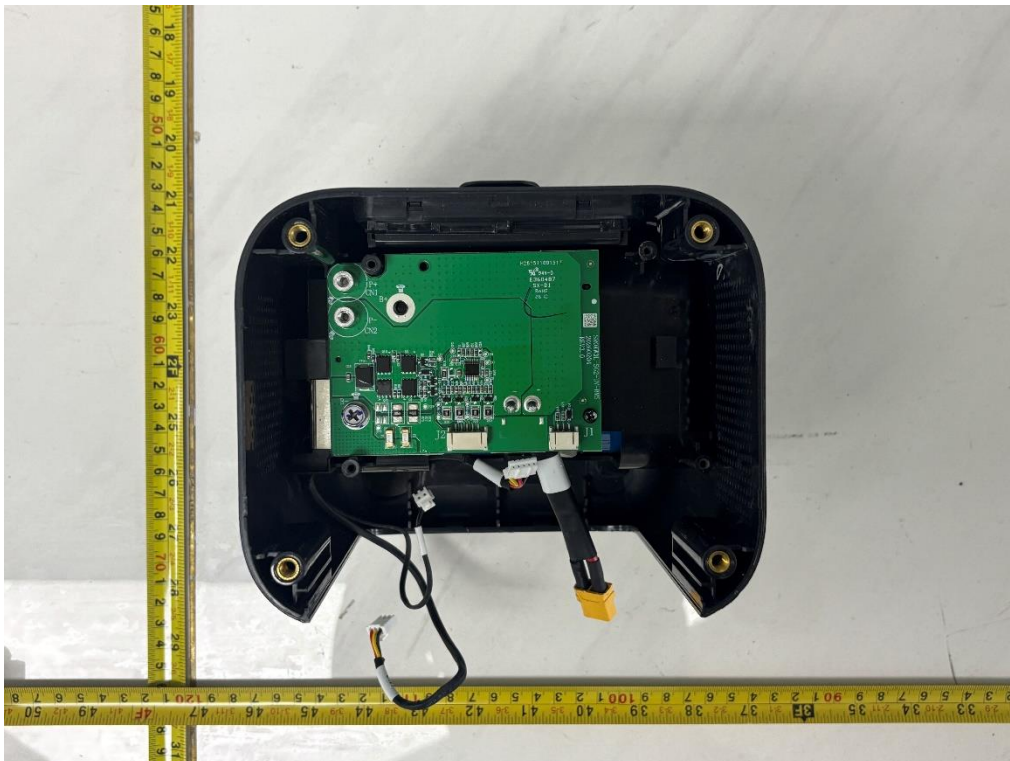


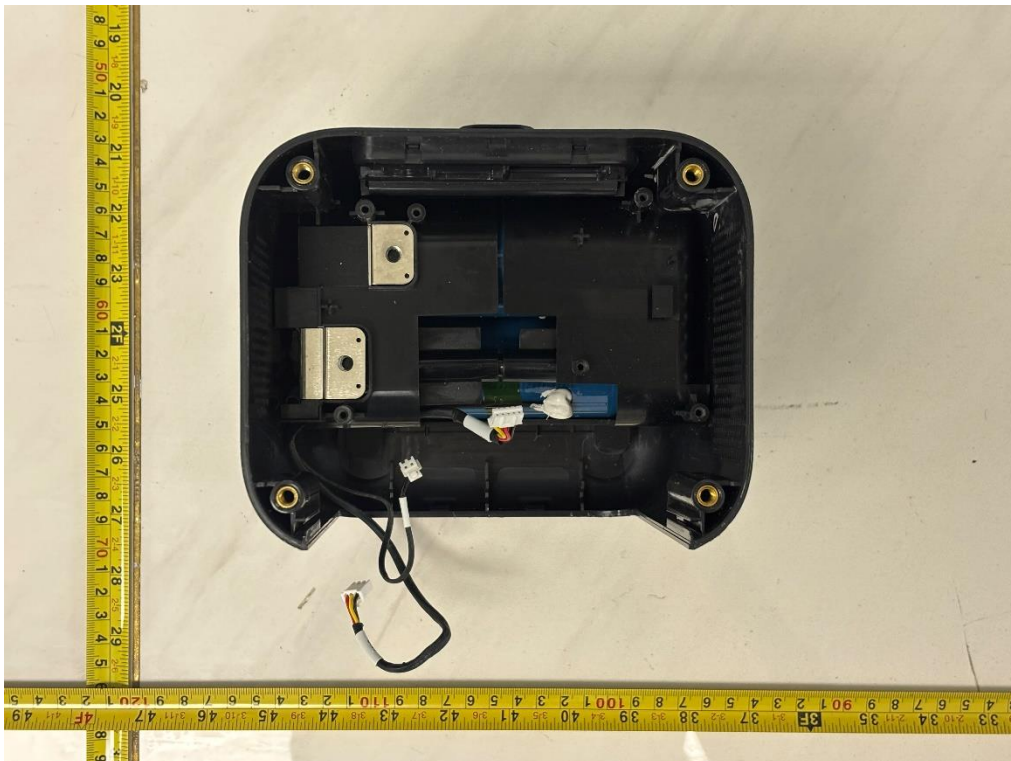
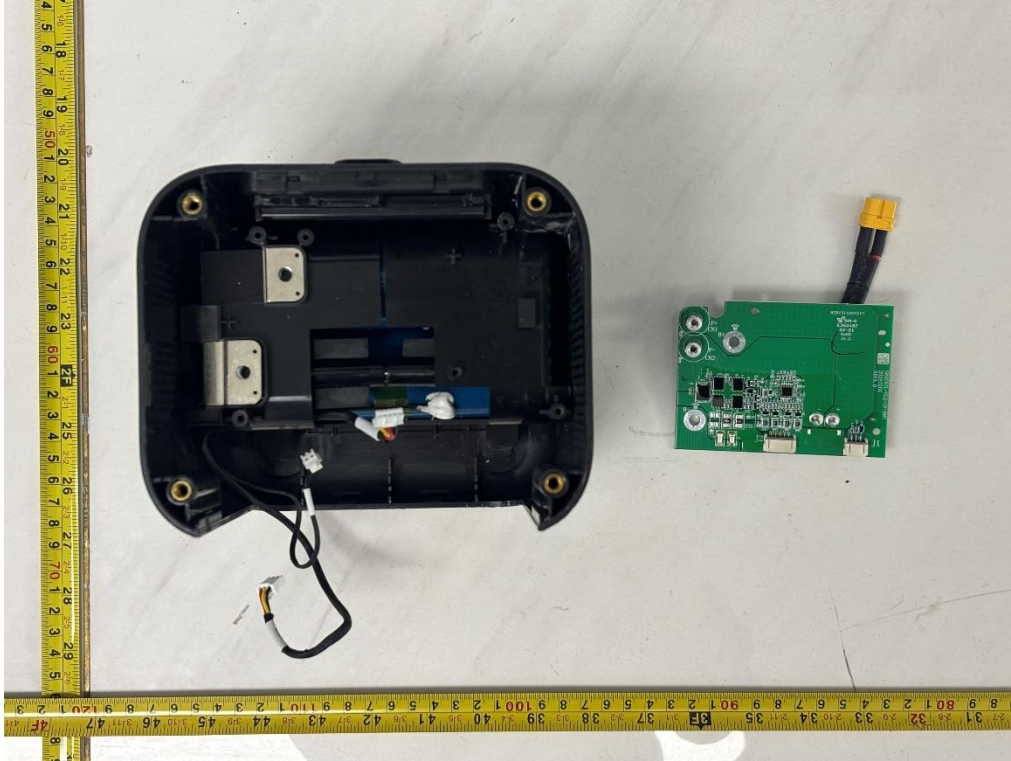


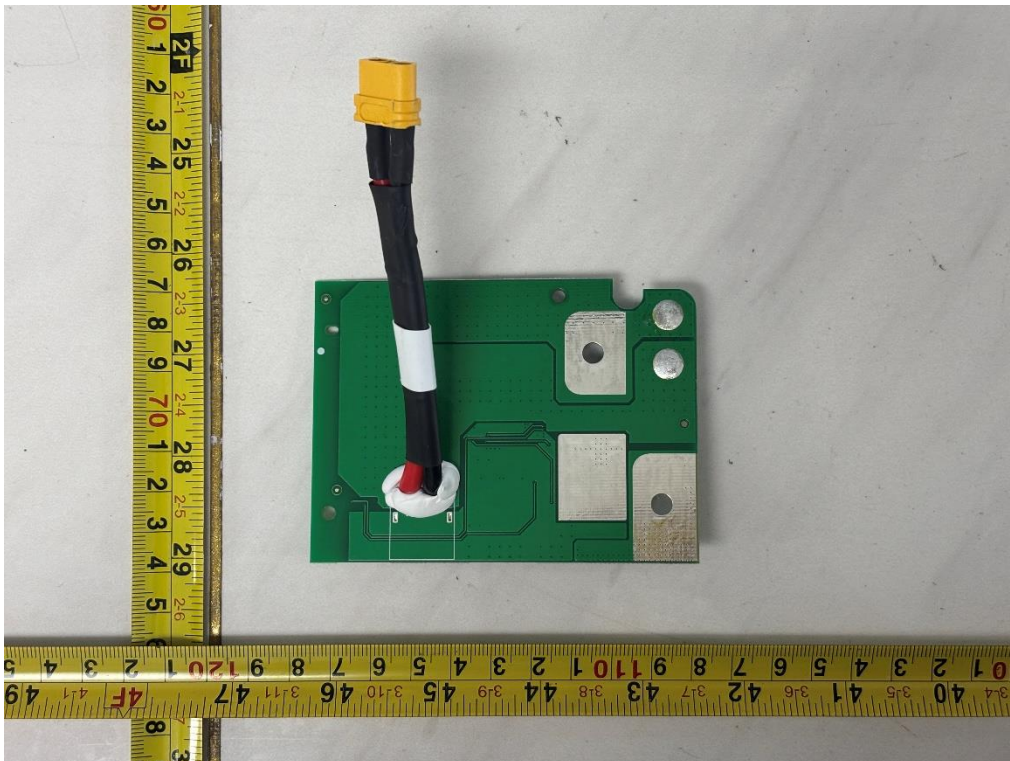
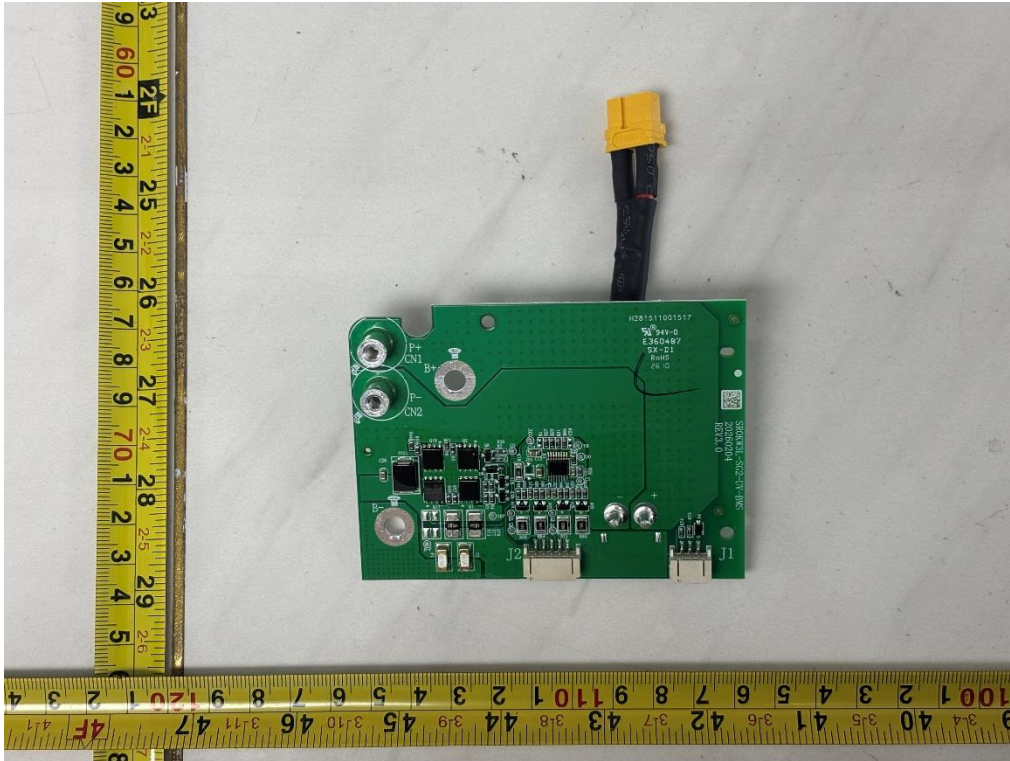


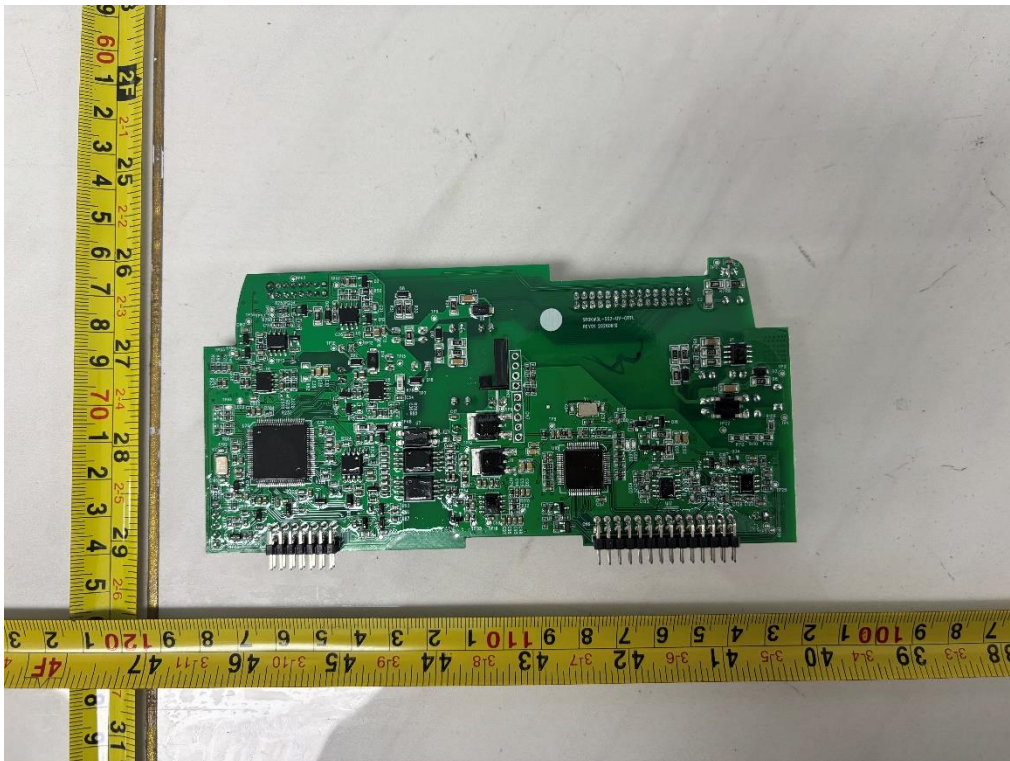
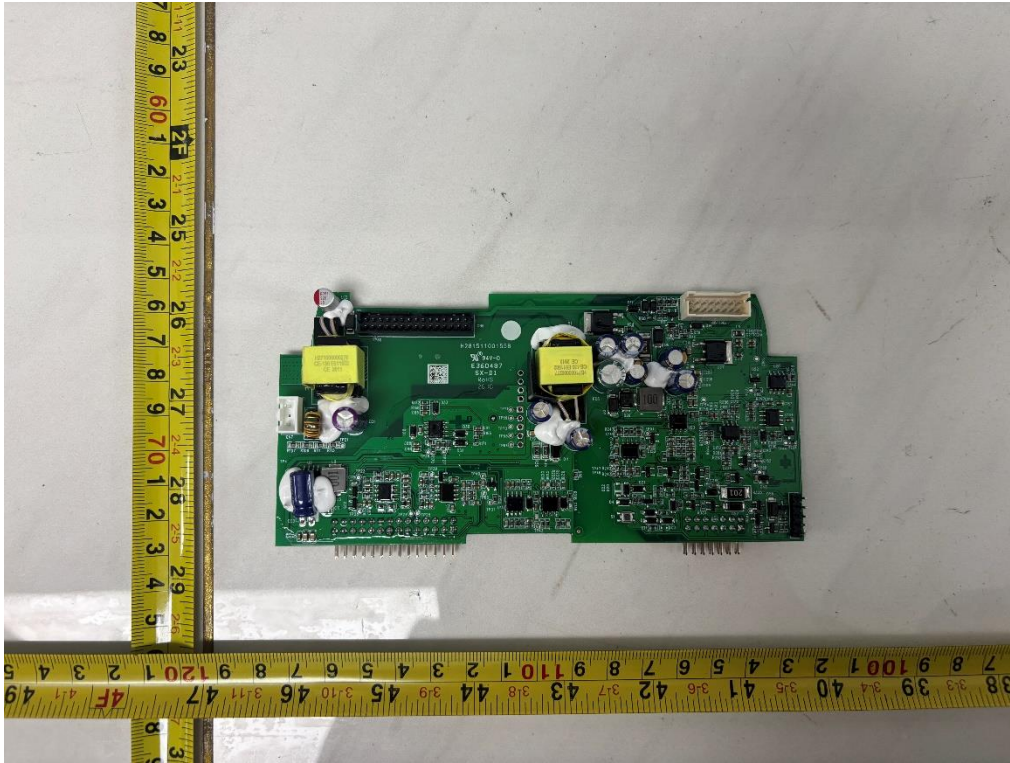


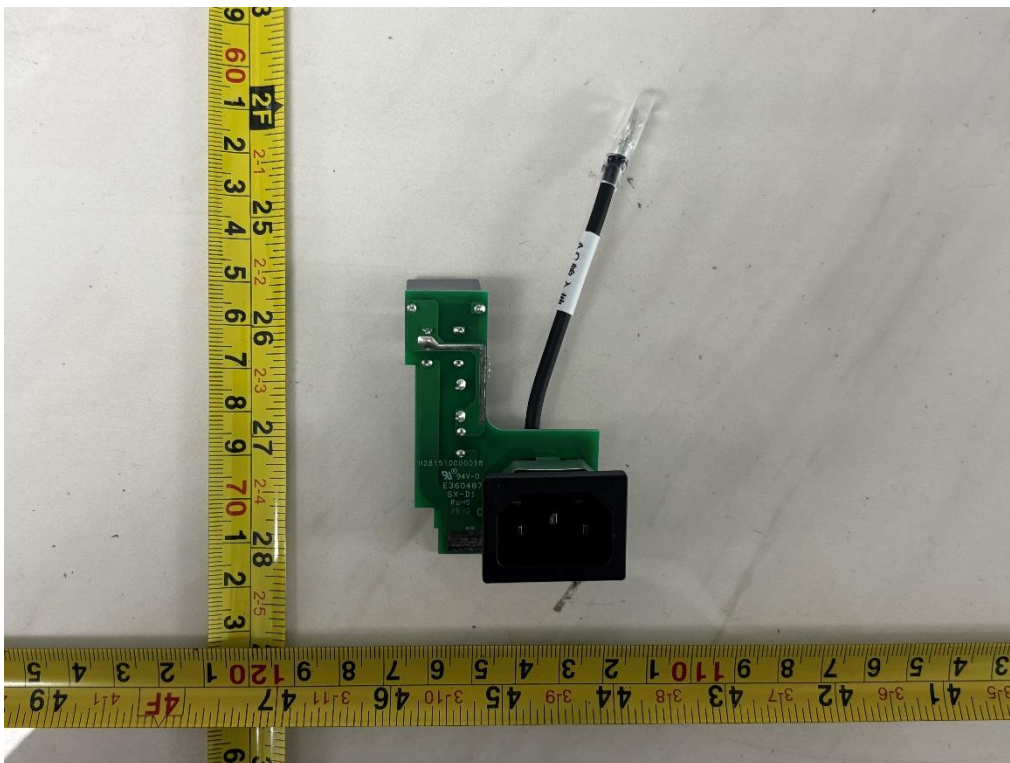
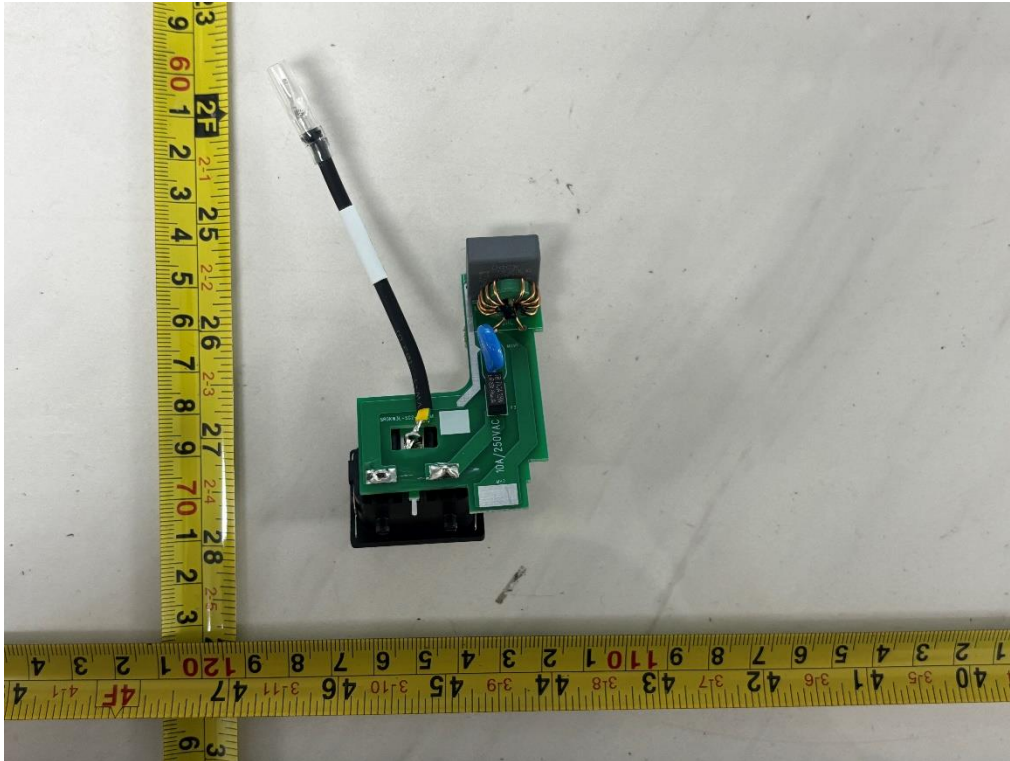


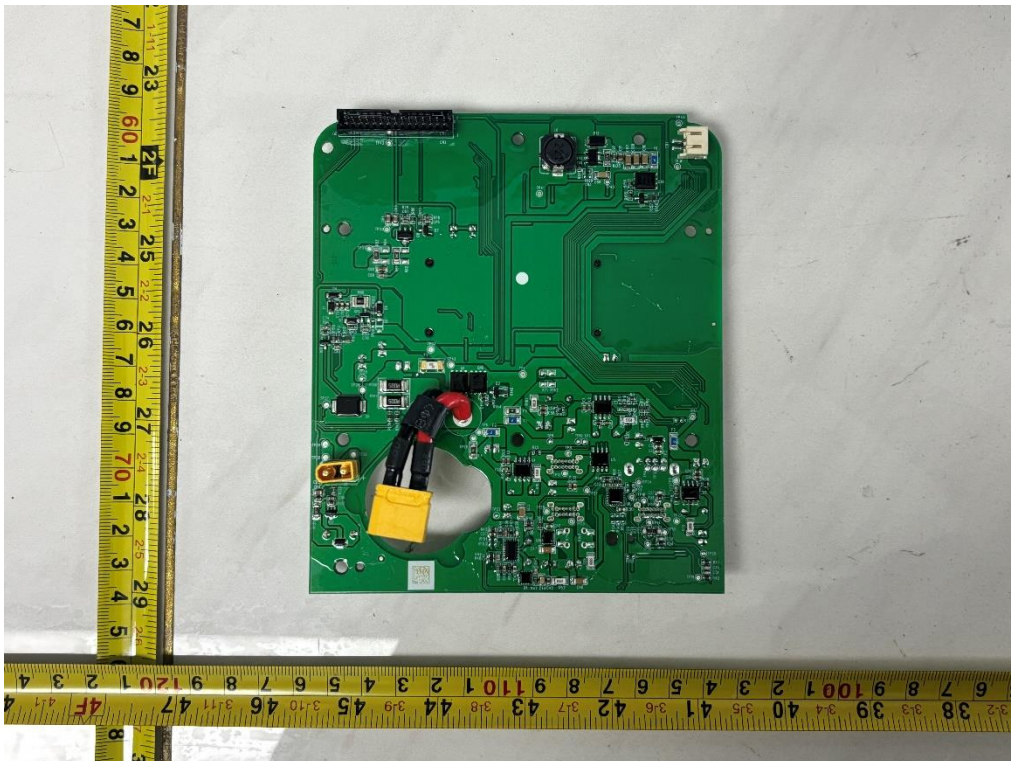
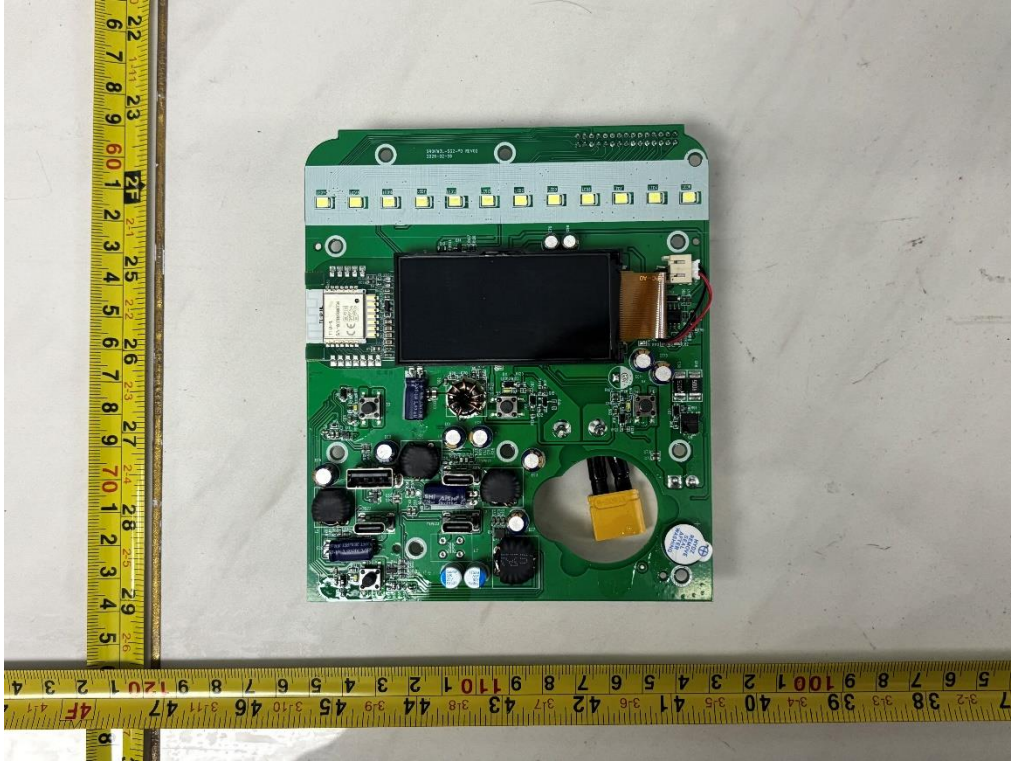


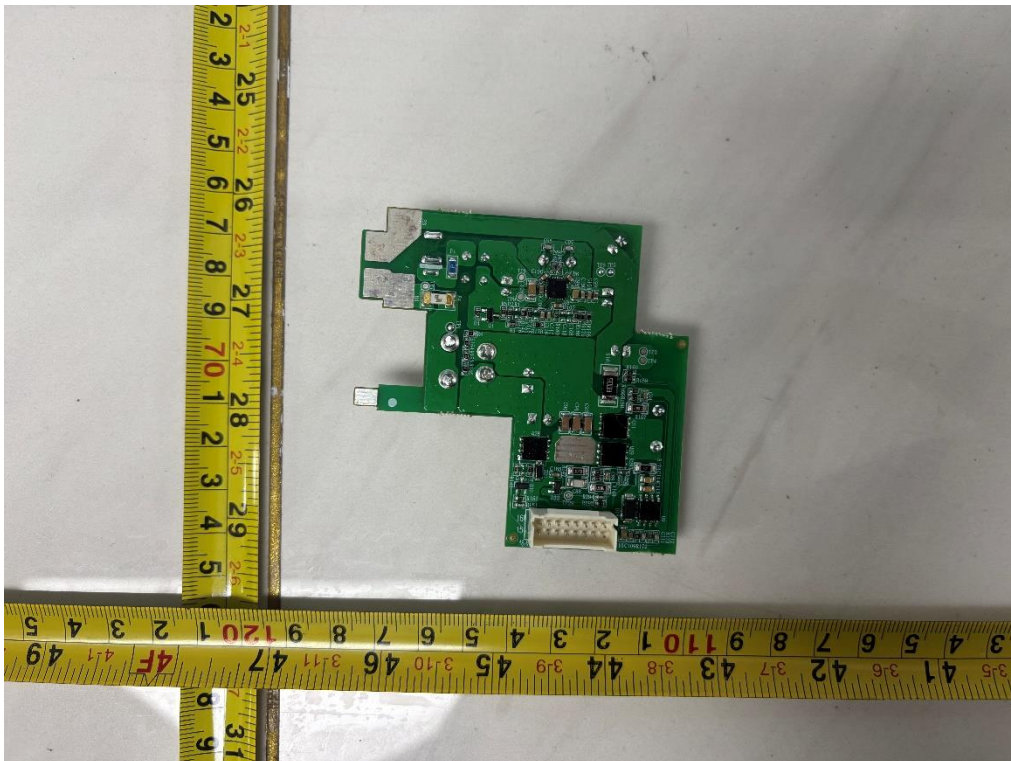
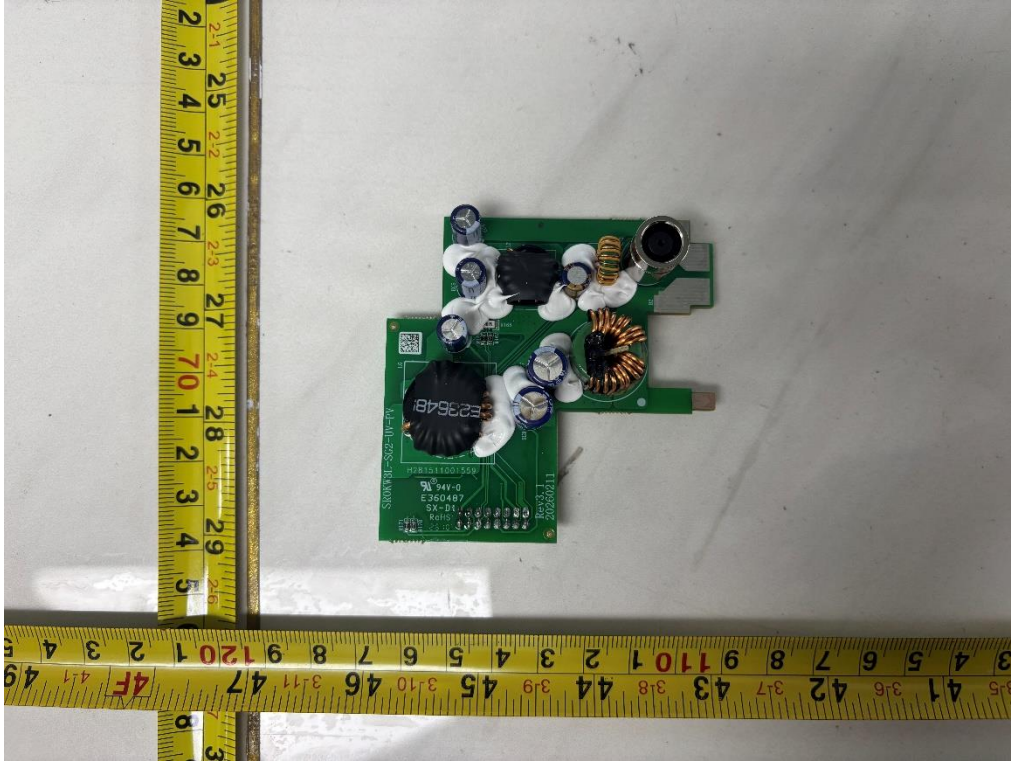


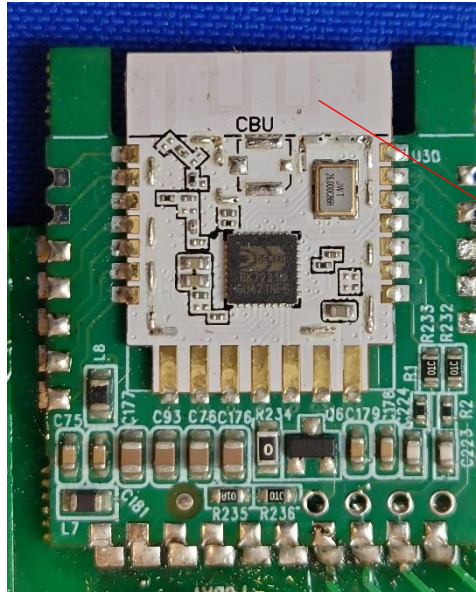












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END OF REPORT