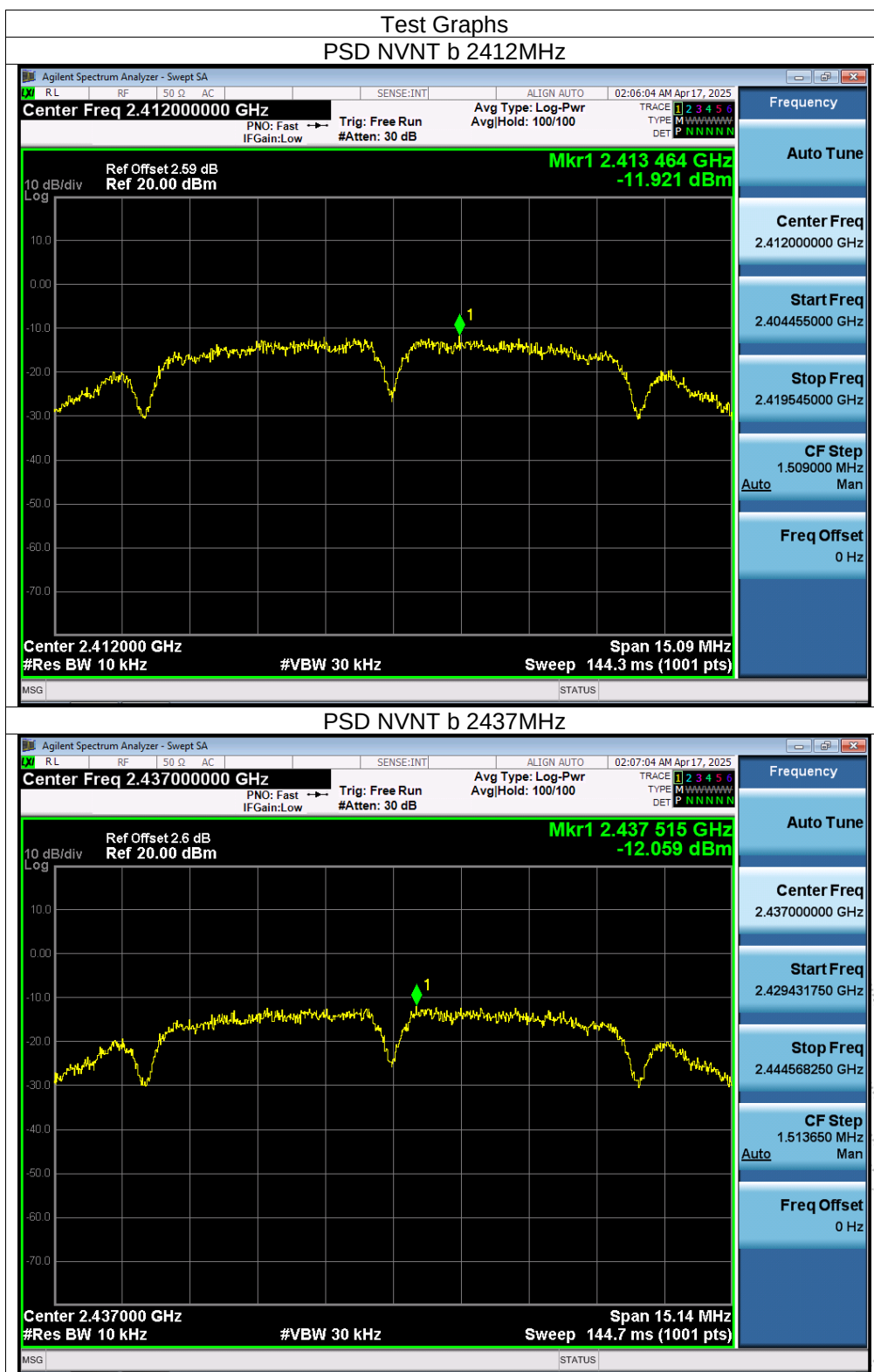
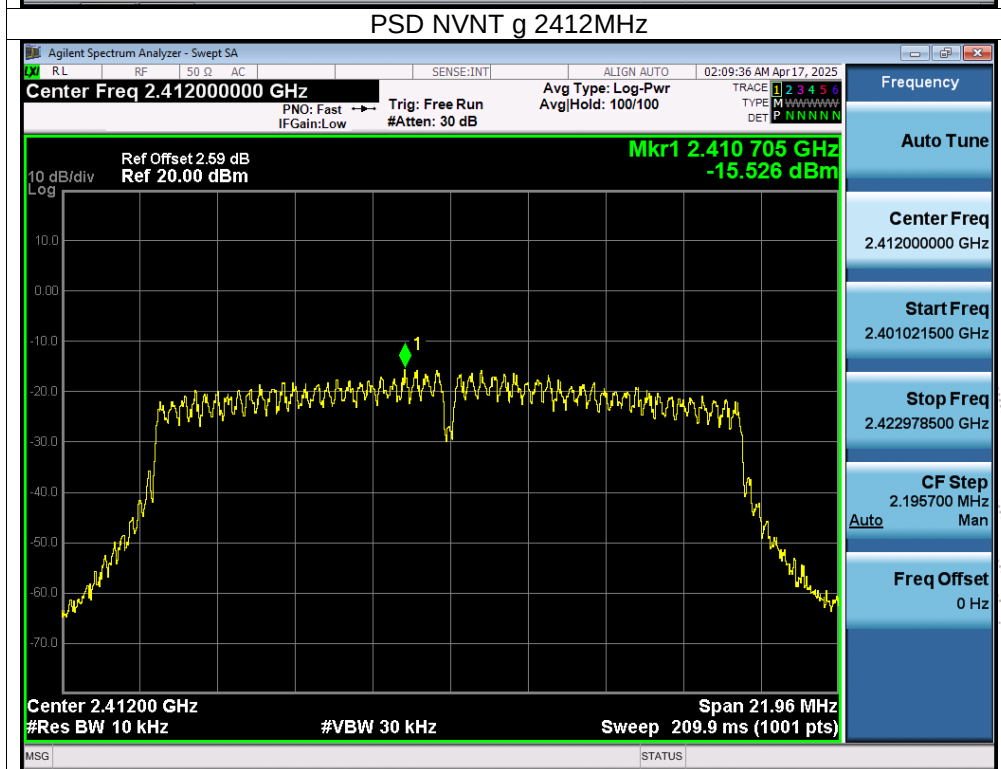
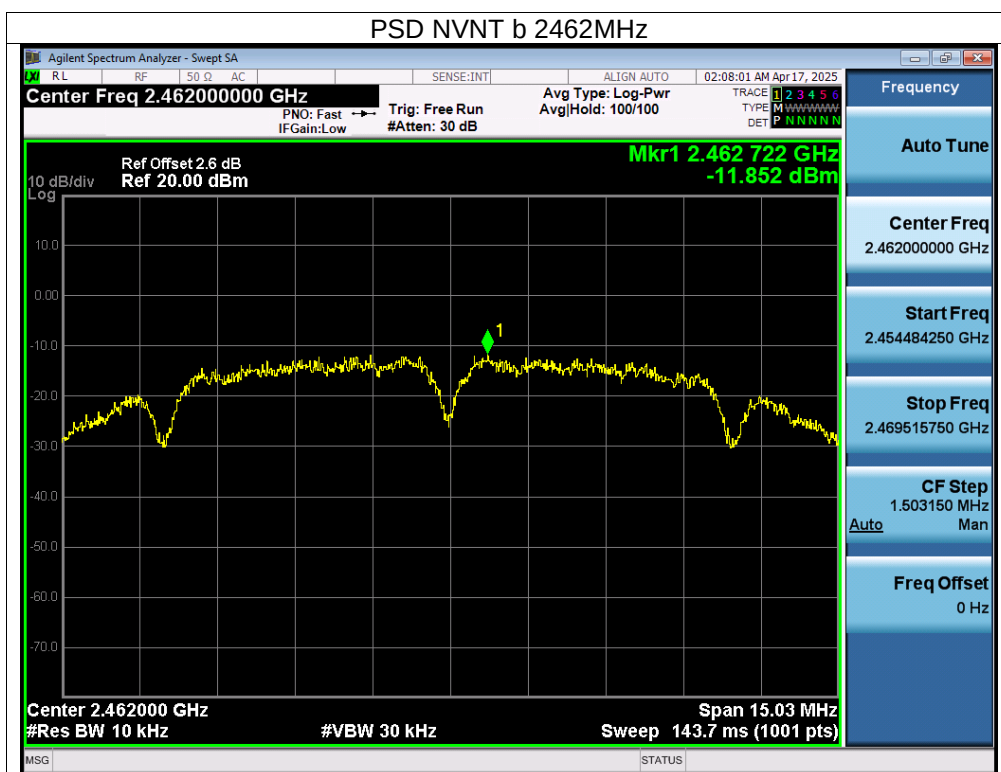
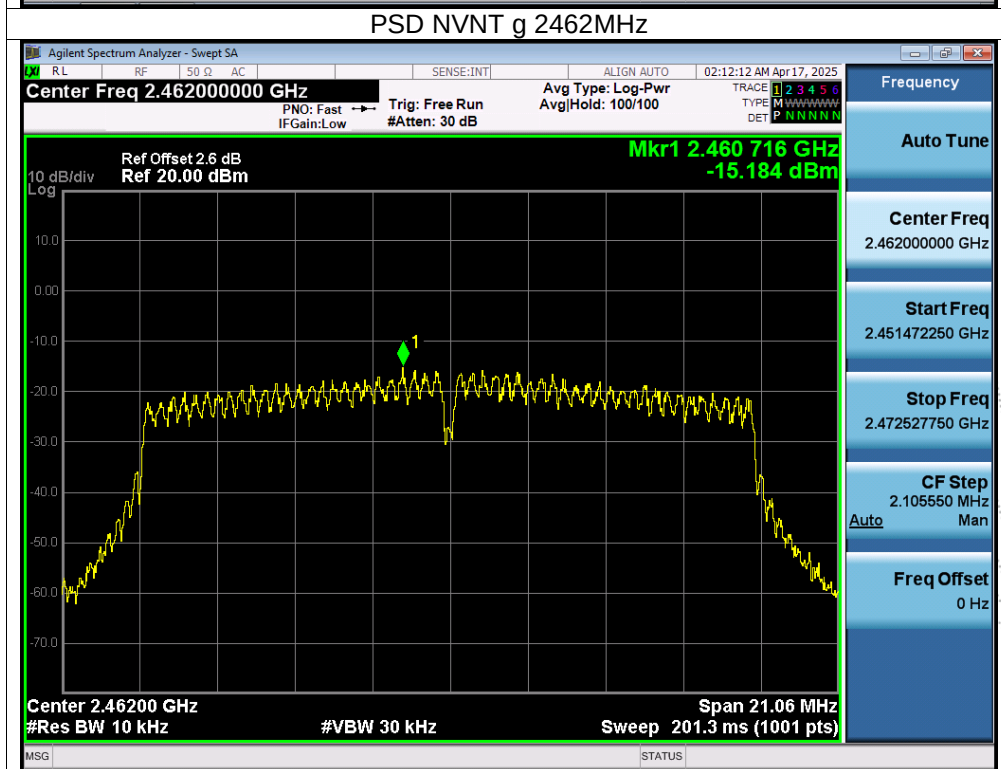
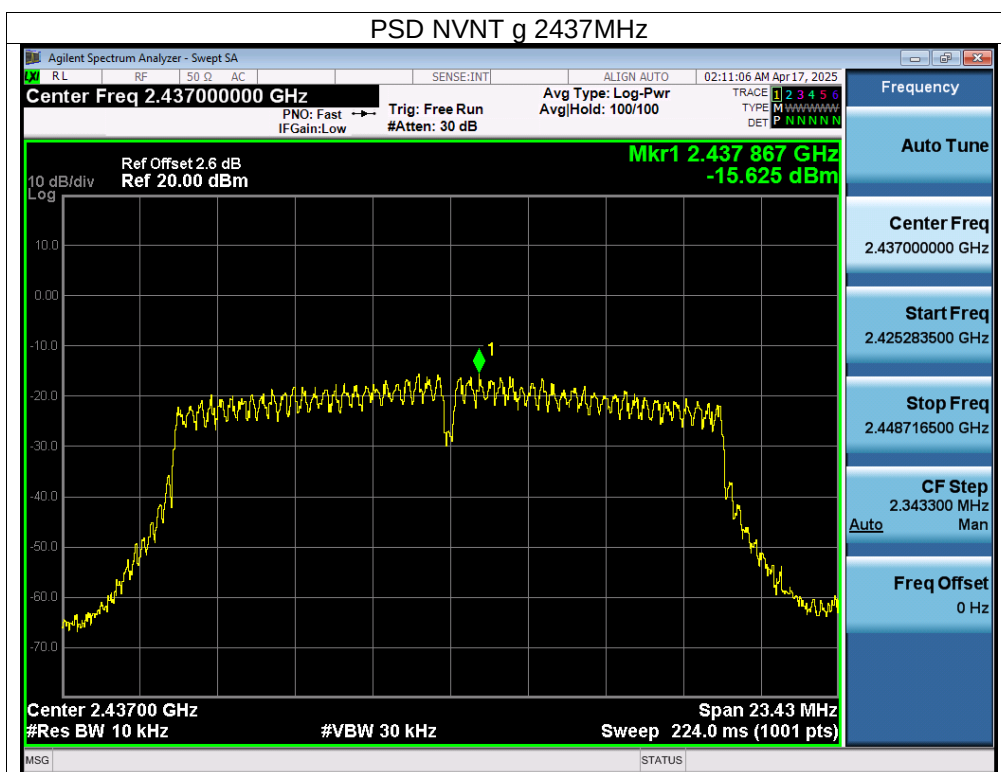
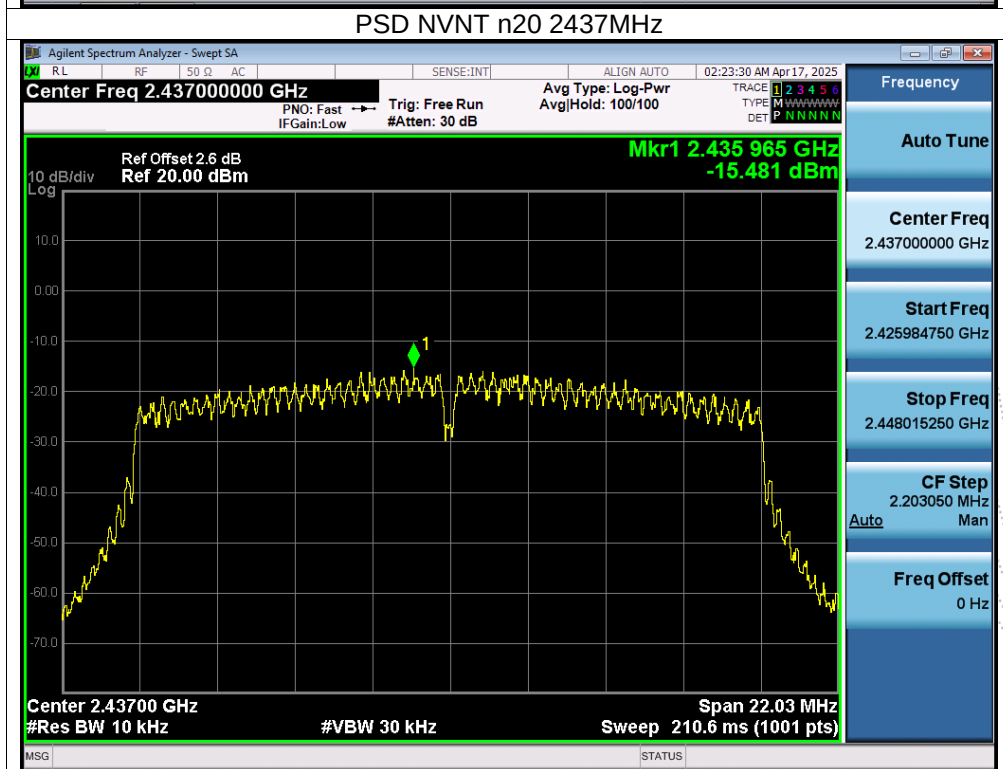
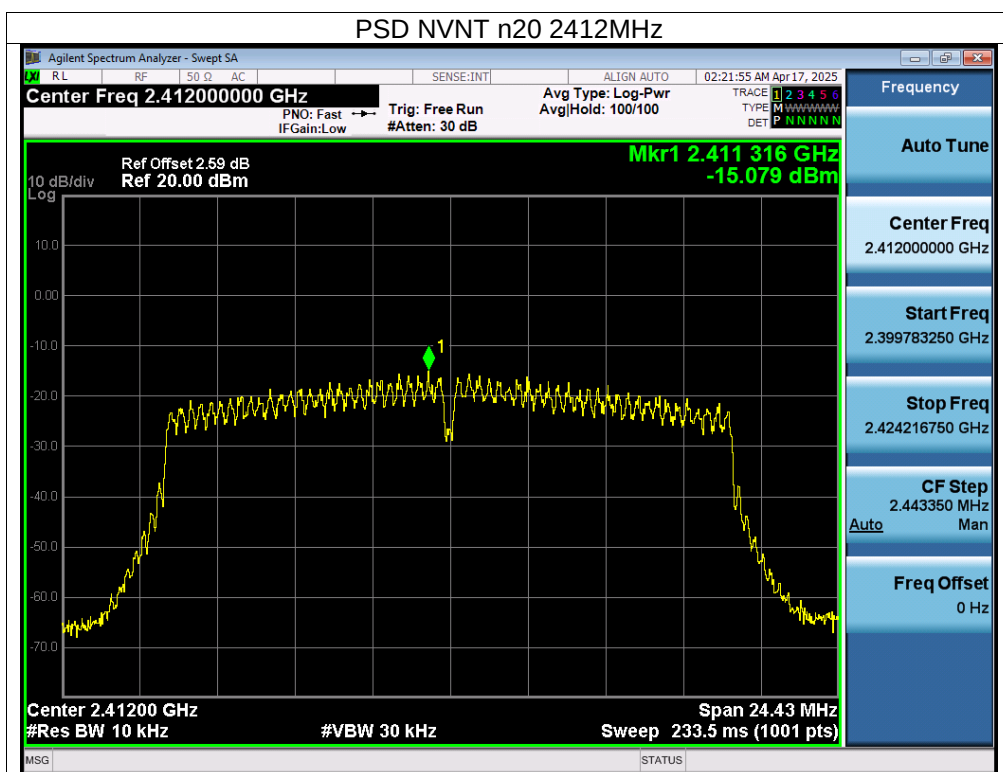
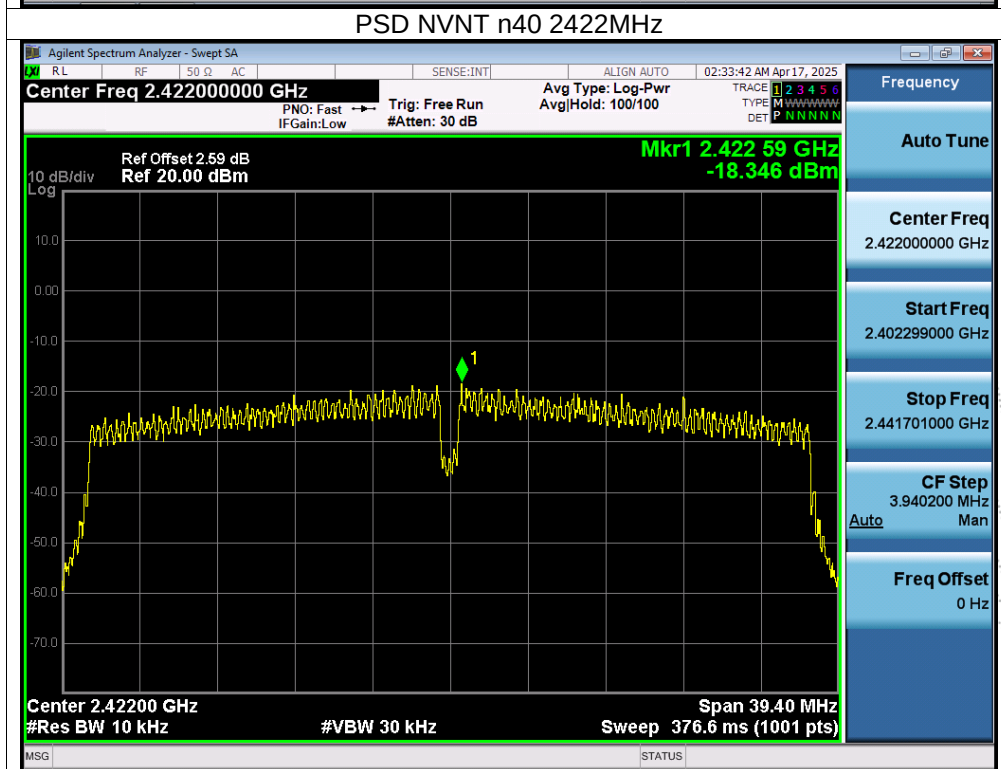
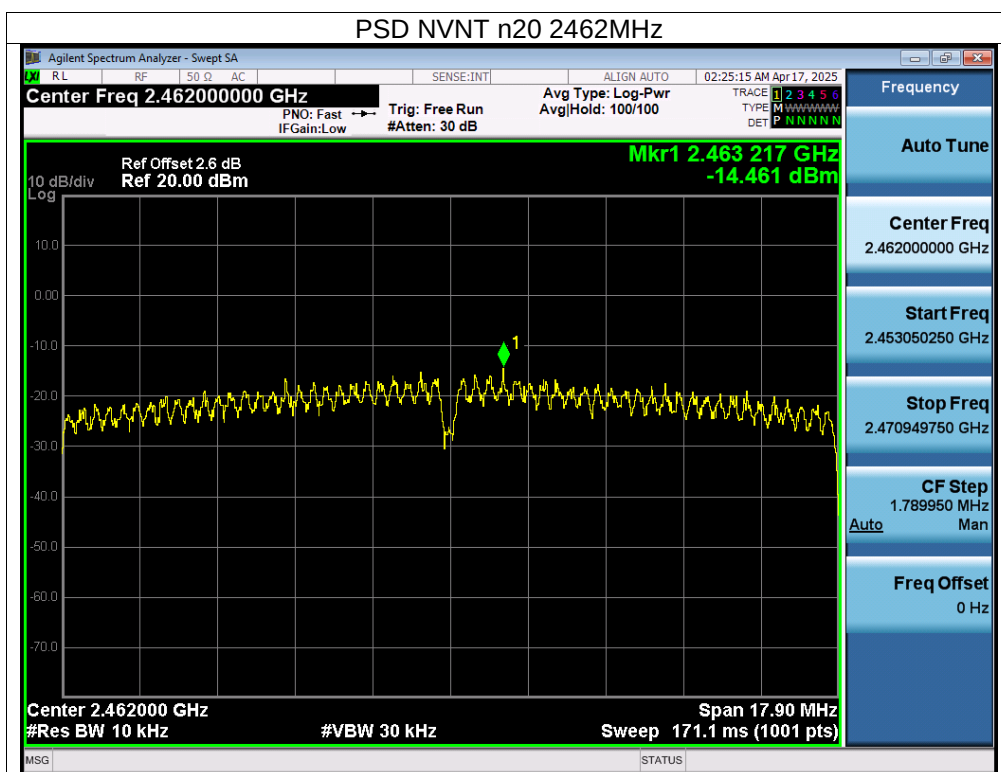


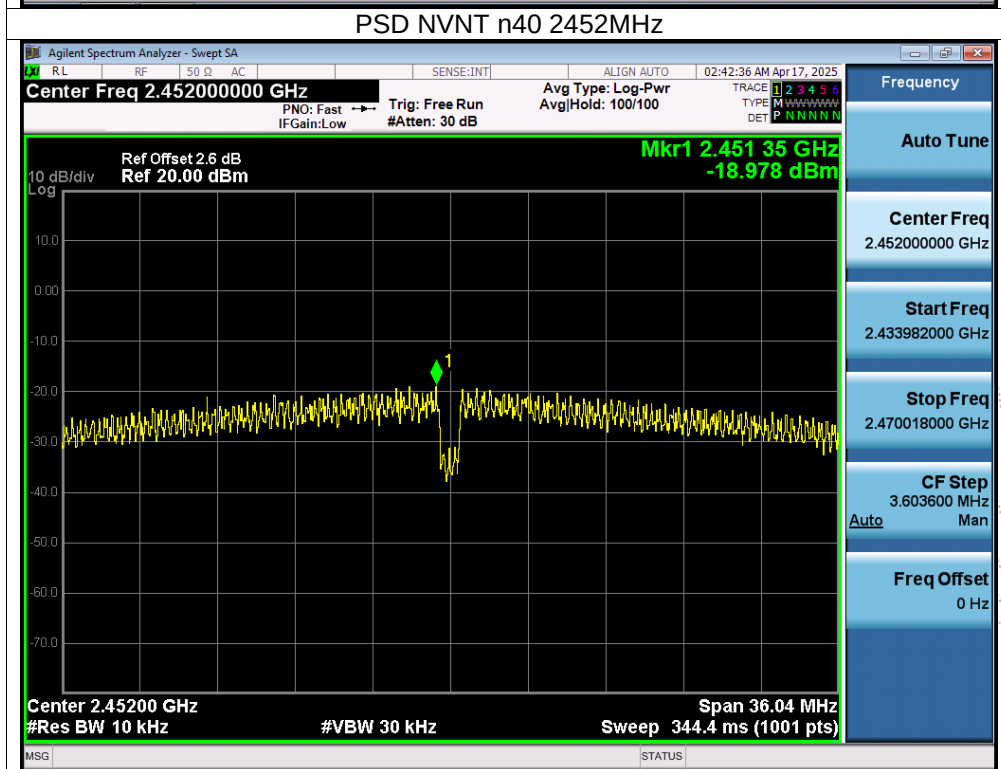
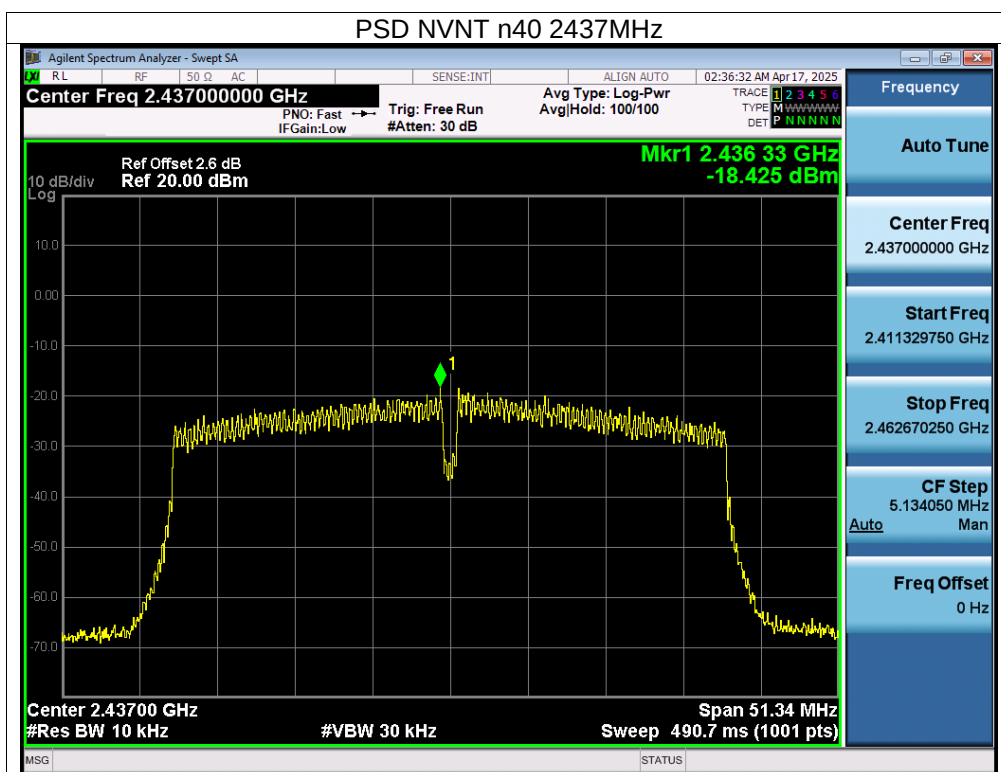


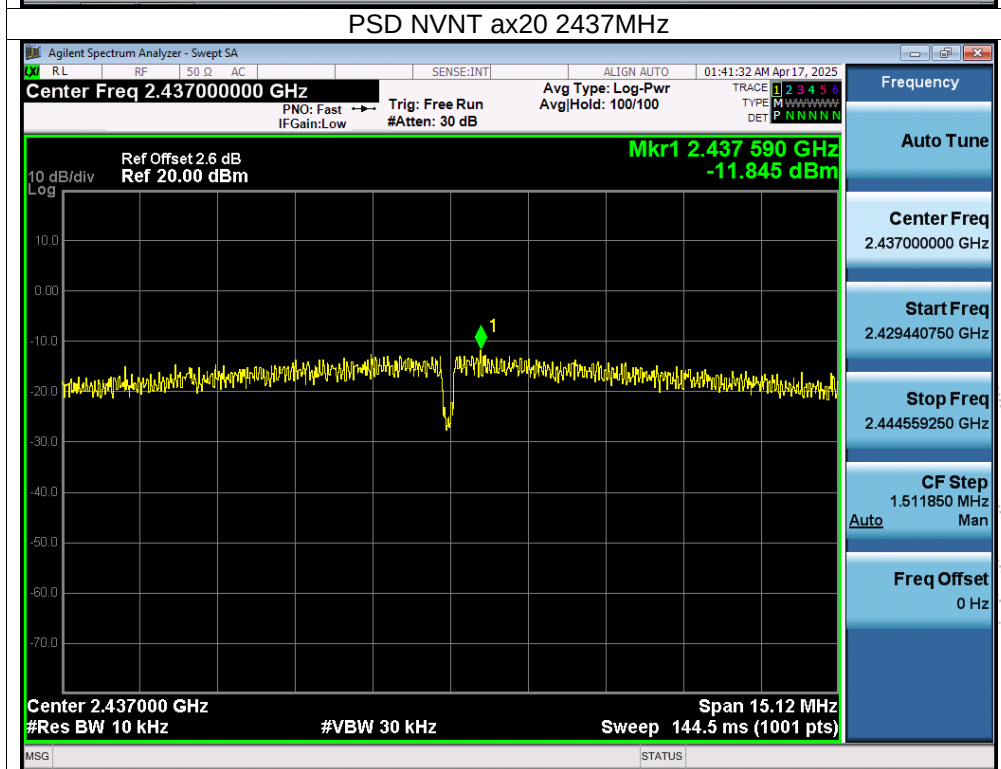
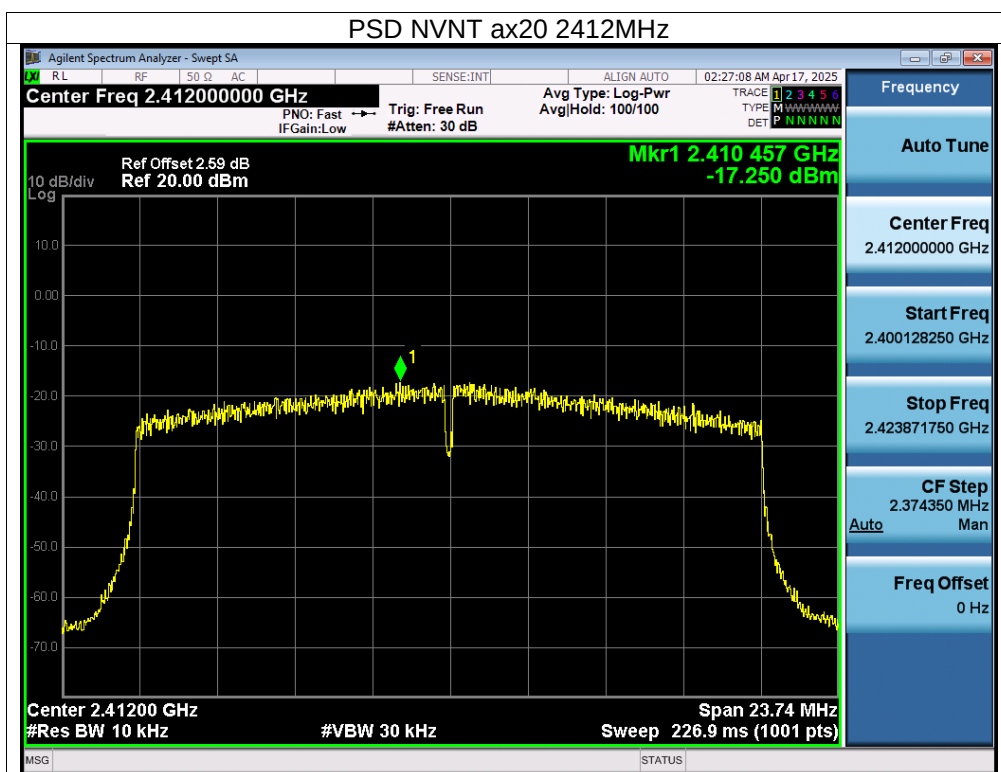


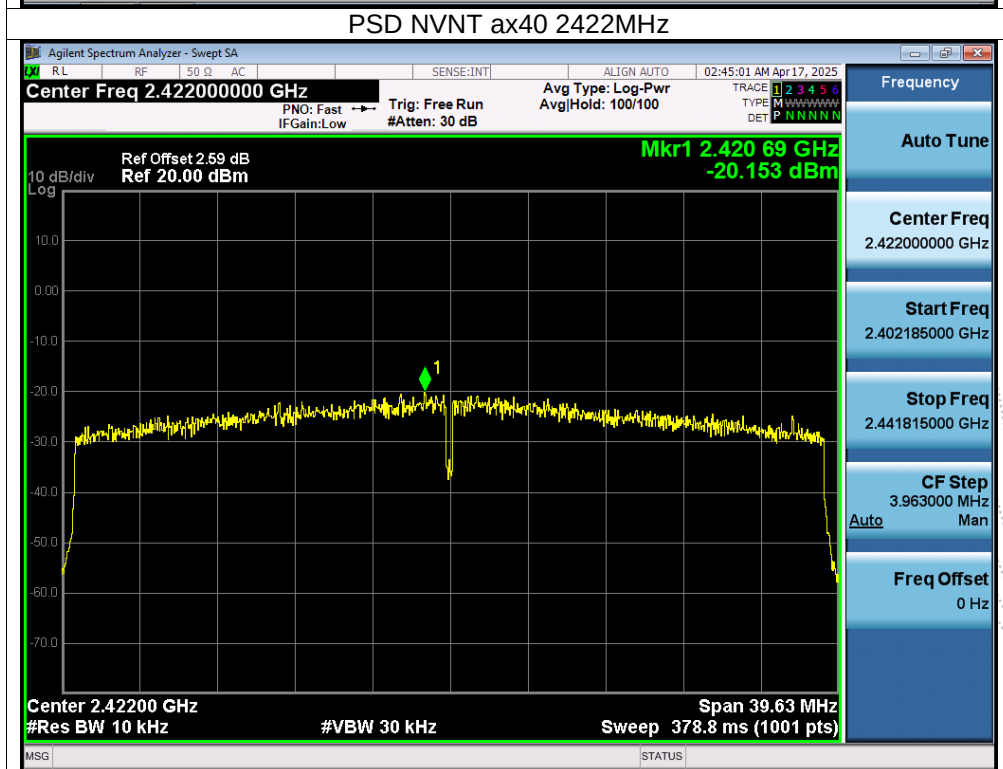
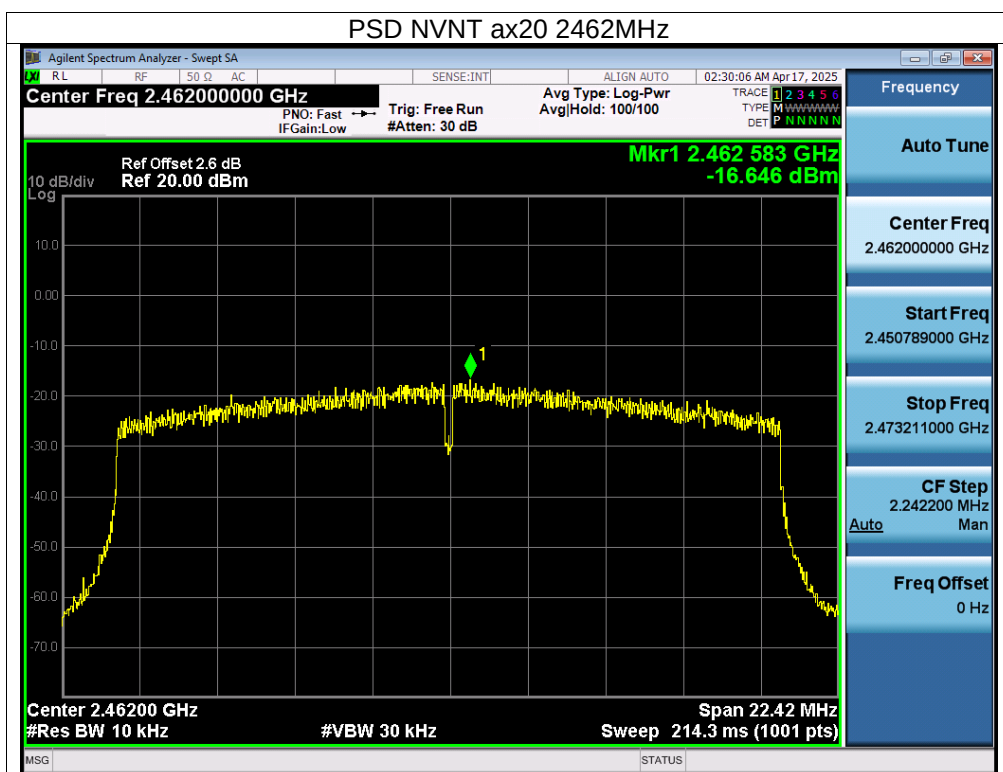


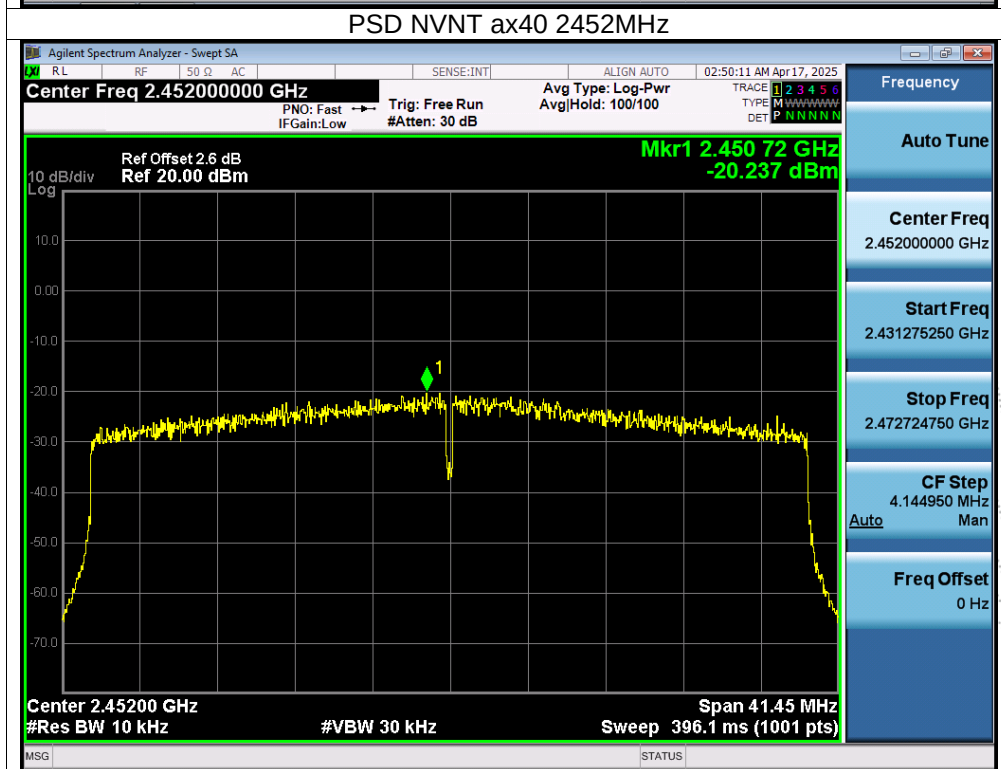
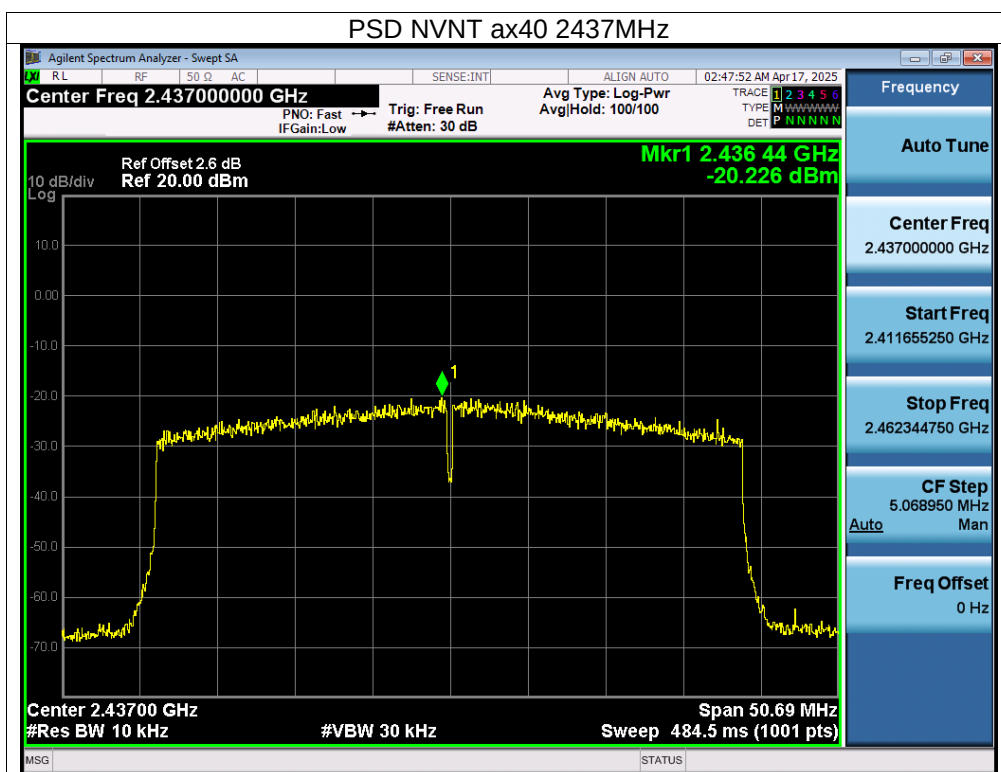






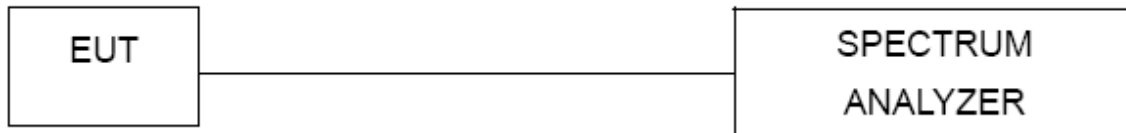






10. Bandwidth Test

10.1 Block Diagram Of Test Setup



10.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

10.3 Test Procedure

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 EUT Operating Conditions

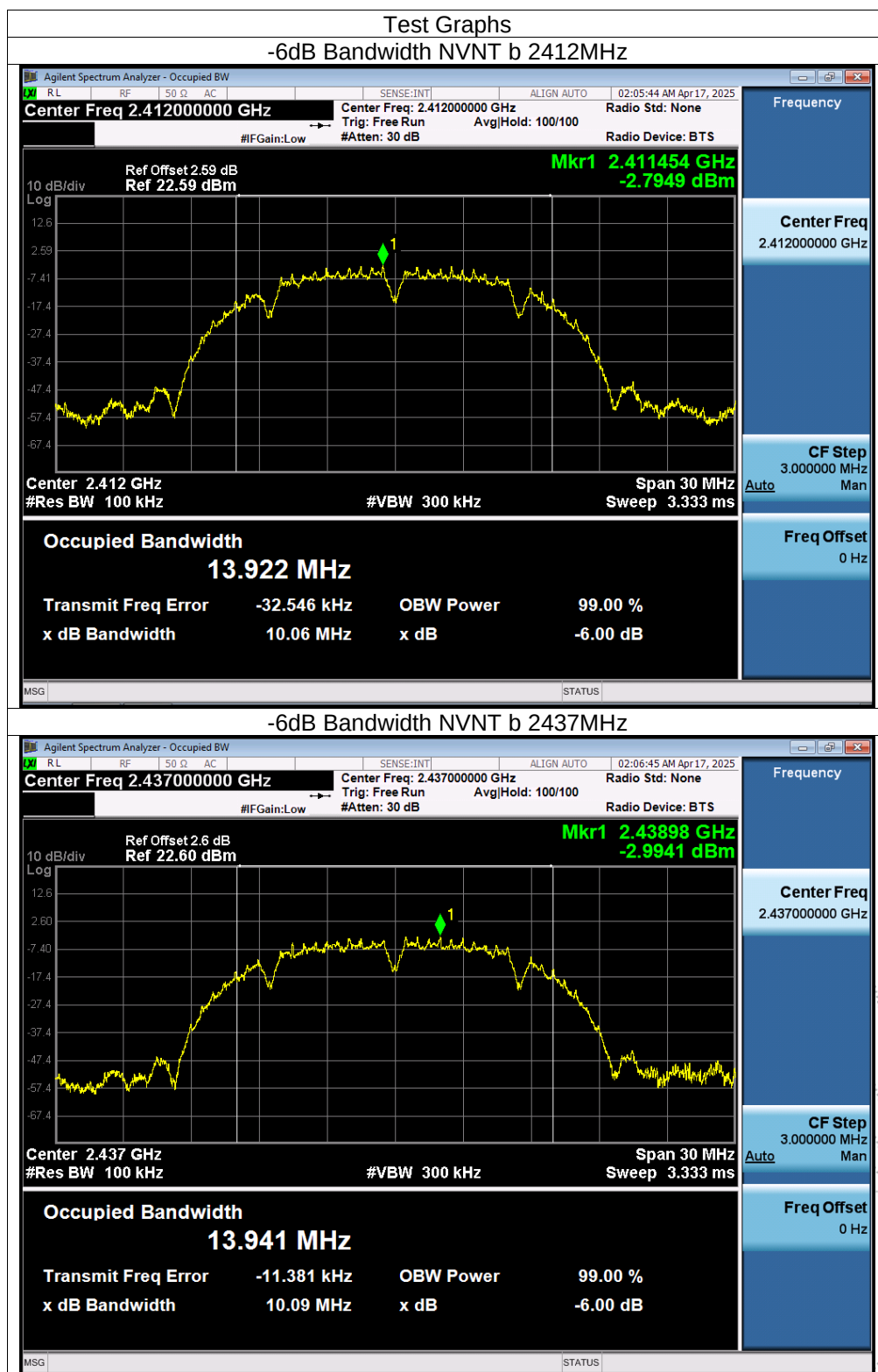
The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

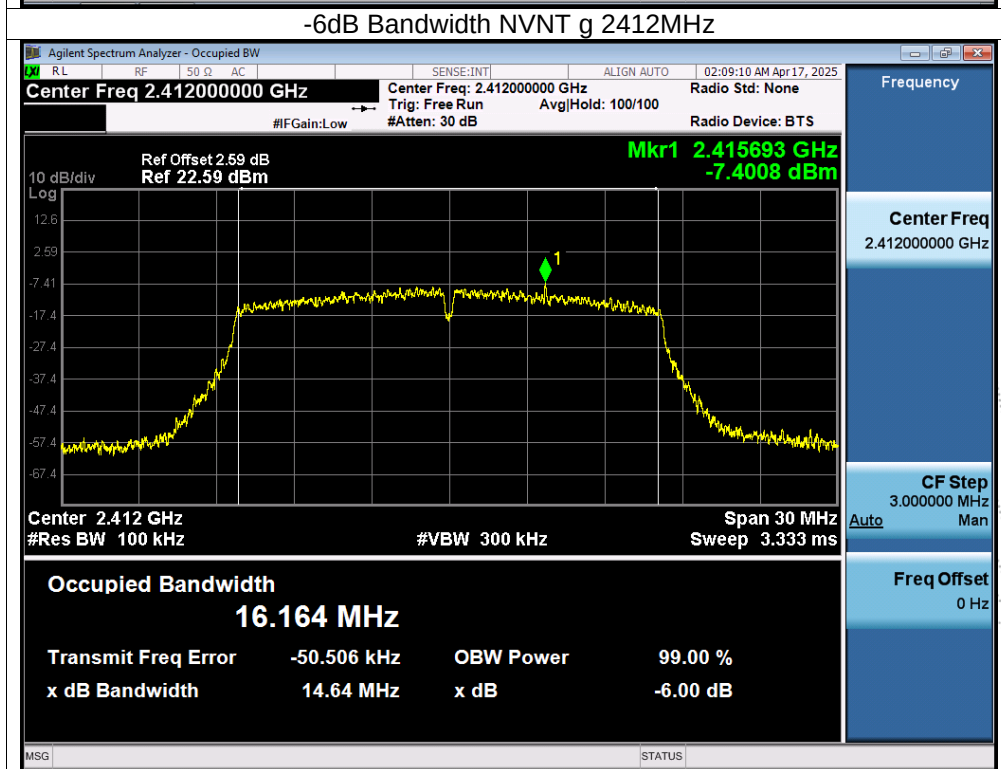
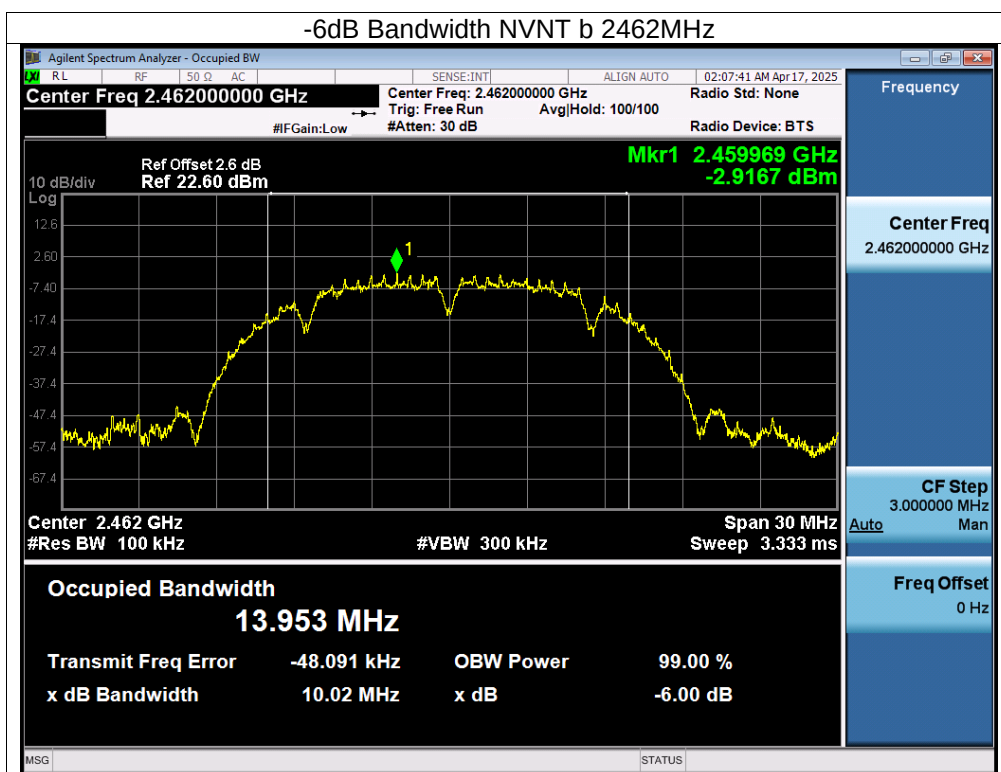
Note: Power Spectral Density(dBm)=Reading+Cable Loss

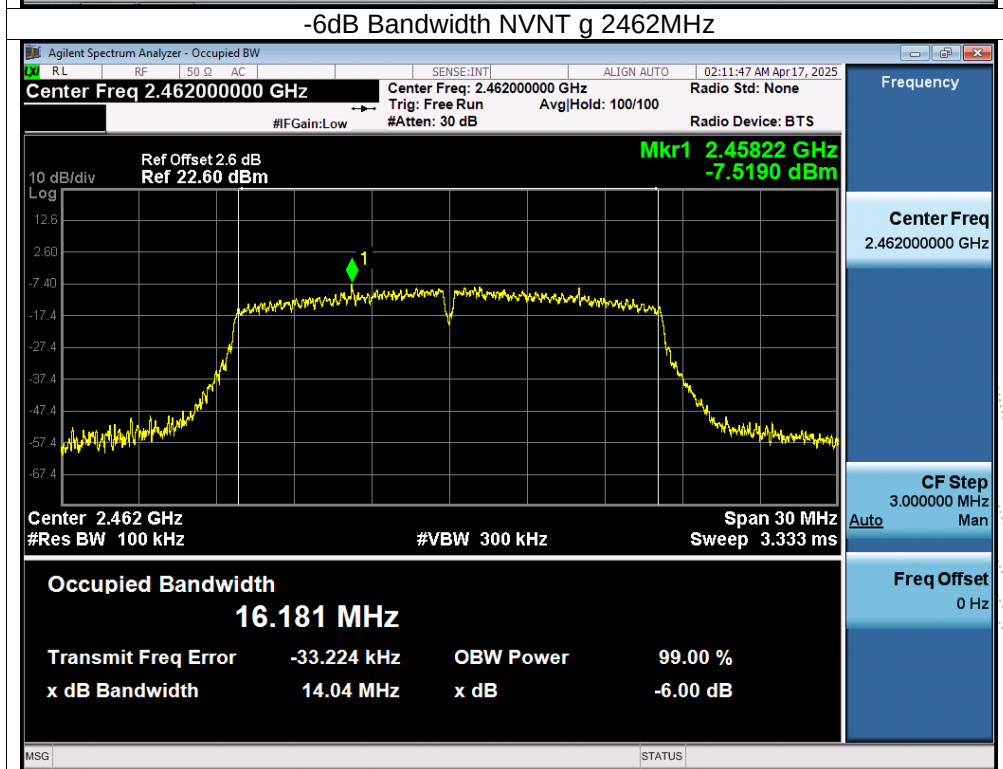
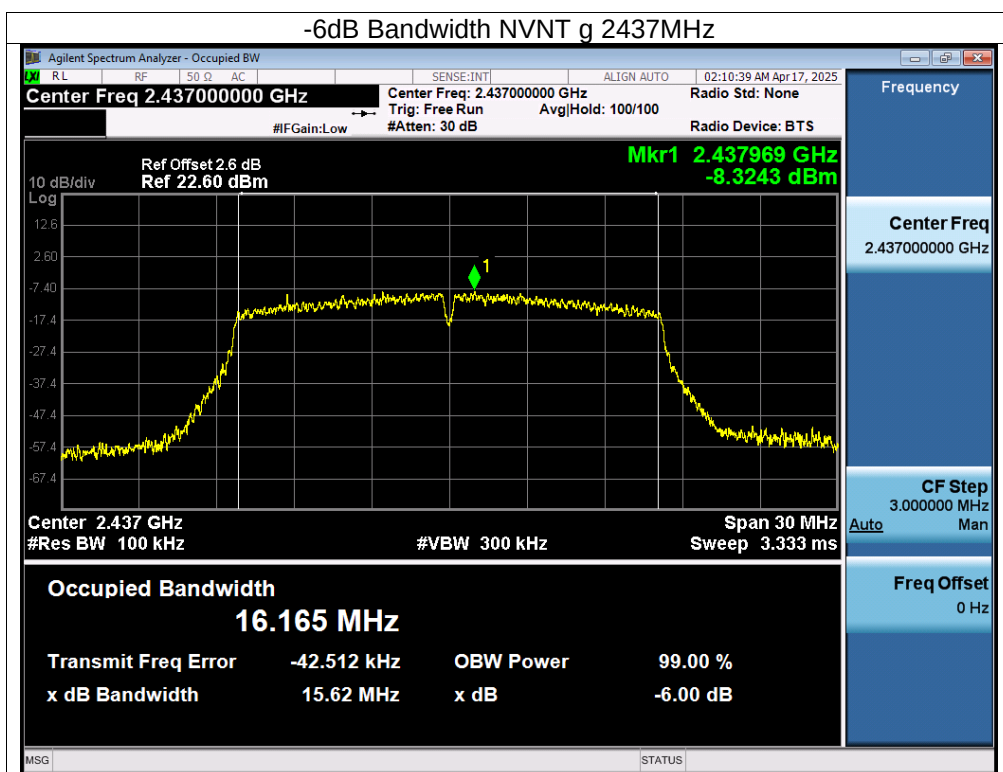
10.5 Test Result

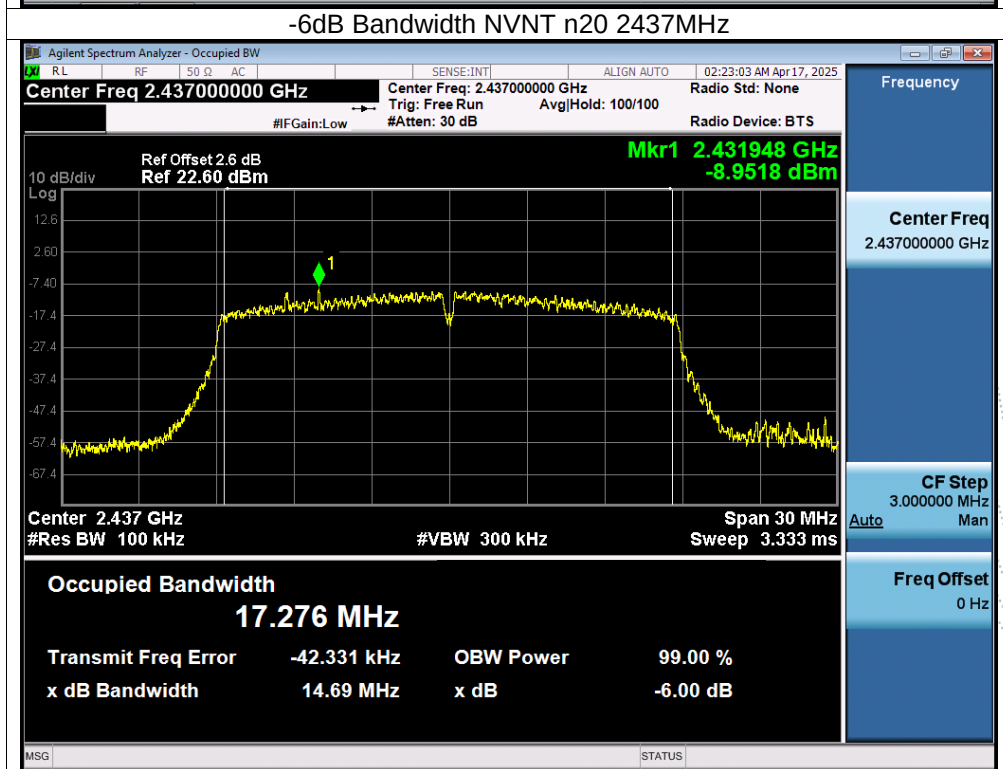
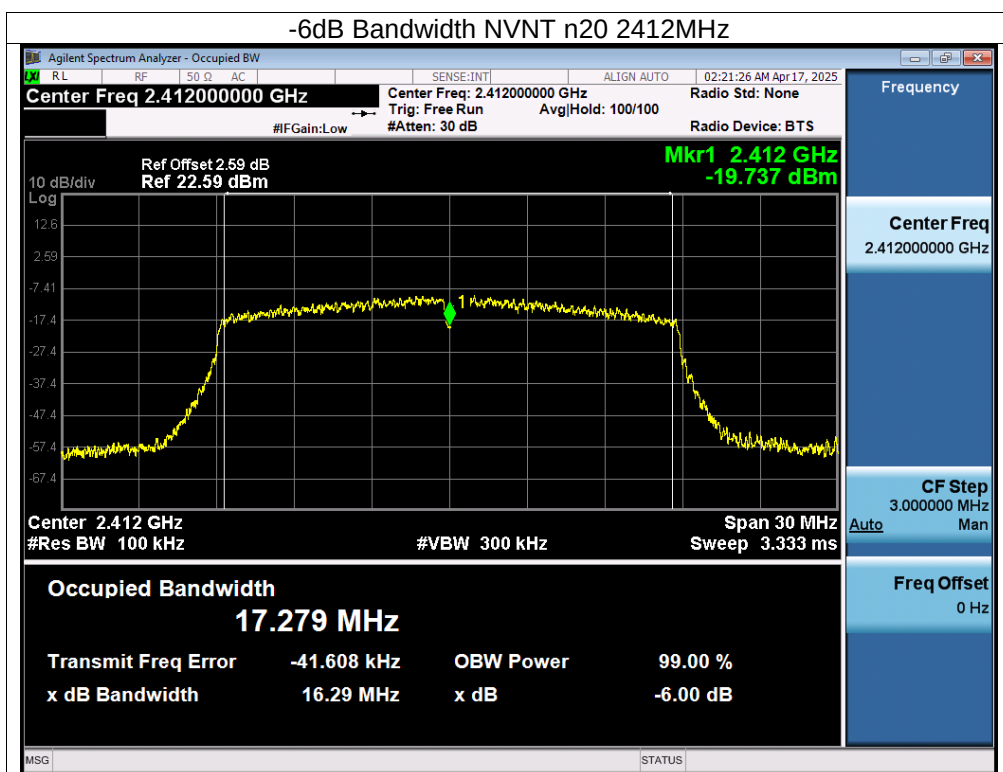
Temperature:	26°C	Relative Humidity:	54%
Test Voltage:	DC 3.3V	Remark:	N/A

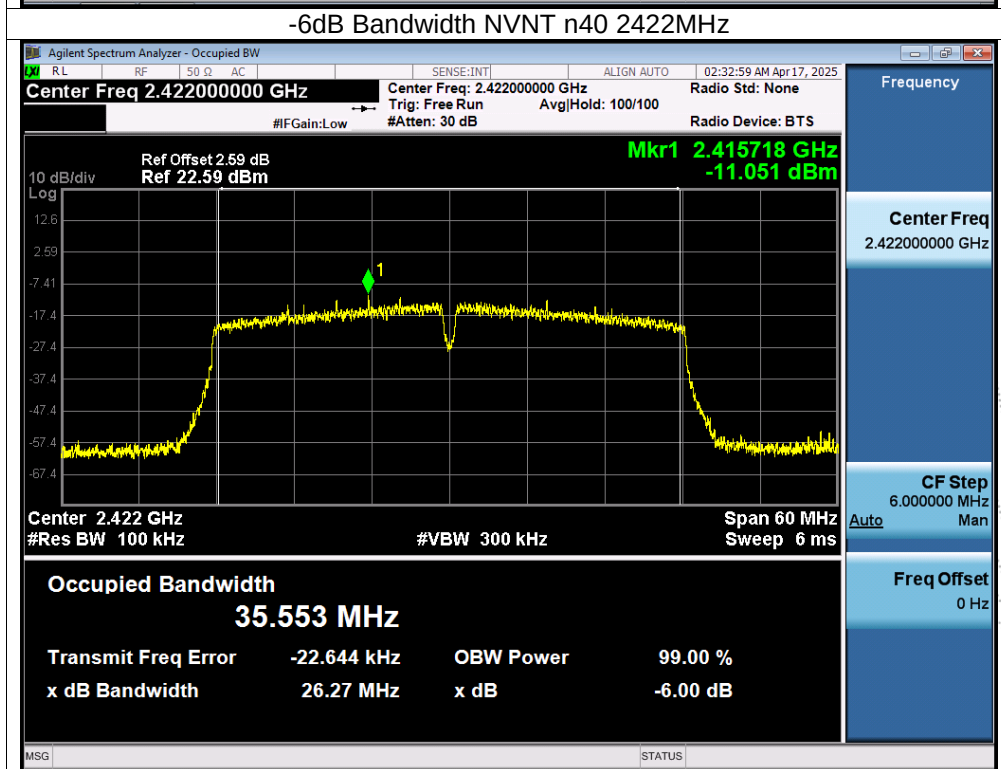
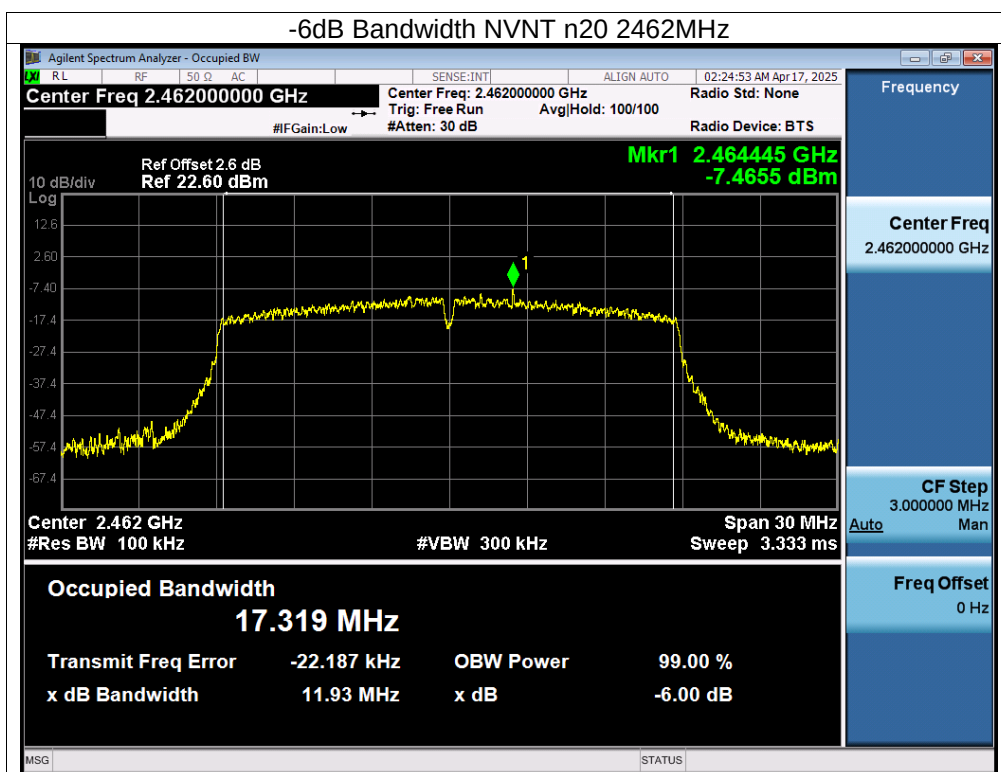
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	10.06	0.5	Pass
NVNT	b	2437	10.091	0.5	Pass
NVNT	b	2462	10.021	0.5	Pass
NVNT	g	2412	14.638	0.5	Pass
NVNT	g	2437	15.622	0.5	Pass
NVNT	g	2462	14.037	0.5	Pass
NVNT	n20	2412	16.289	0.5	Pass
NVNT	n20	2437	14.687	0.5	Pass
NVNT	n20	2462	11.933	0.5	Pass
NVNT	n40	2422	26.268	0.5	Pass
NVNT	n40	2437	34.227	0.5	Pass
NVNT	n40	2452	24.024	0.5	Pass
NVNT	ax20	2412	15.829	0.5	Pass
NVNT	ax20	2437	15.669	0.5	Pass
NVNT	ax20	2462	14.948	0.5	Pass
NVNT	ax40	2422	26.42	0.5	Pass
NVNT	ax40	2437	33.793	0.5	Pass
NVNT	ax40	2452	27.633	0.5	Pass

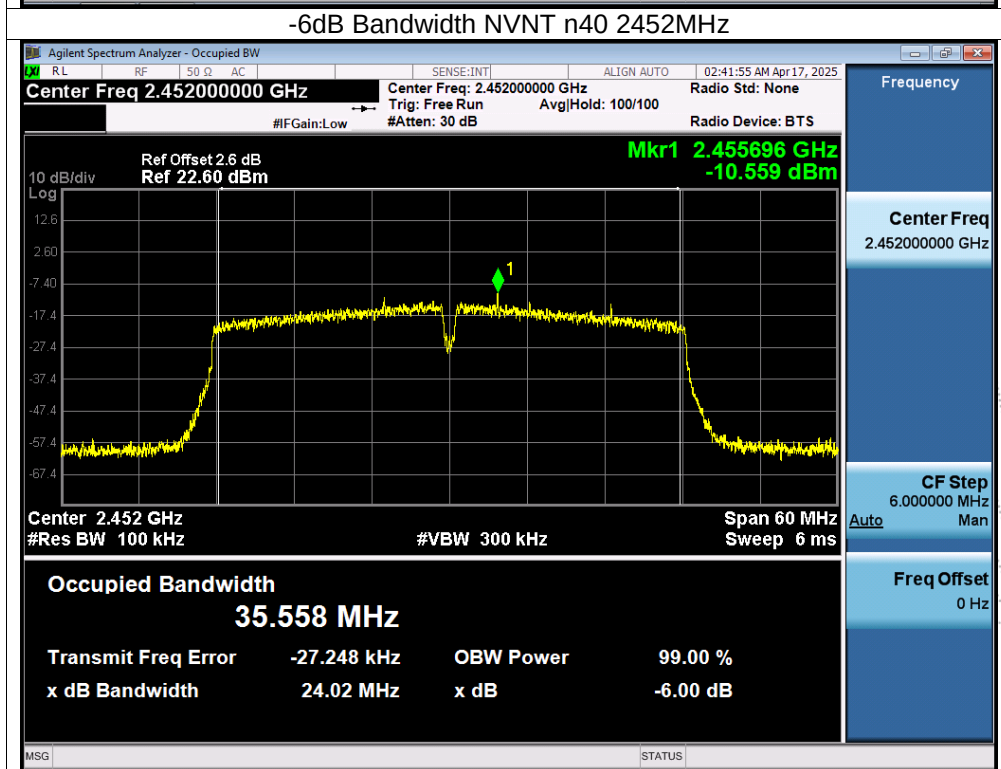
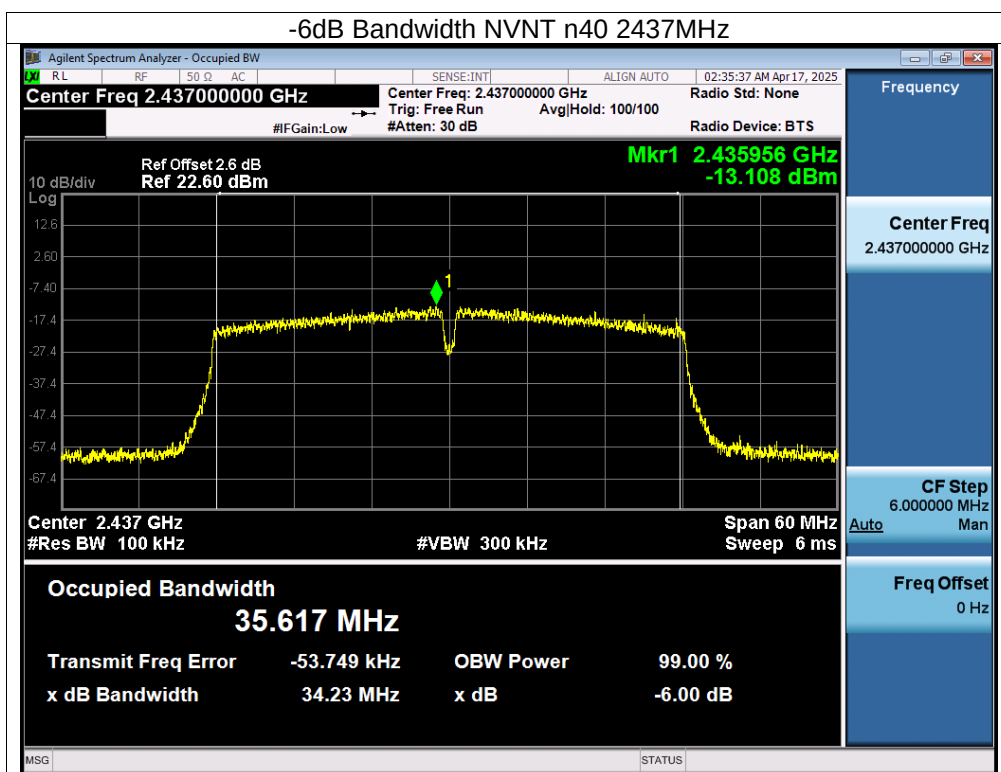


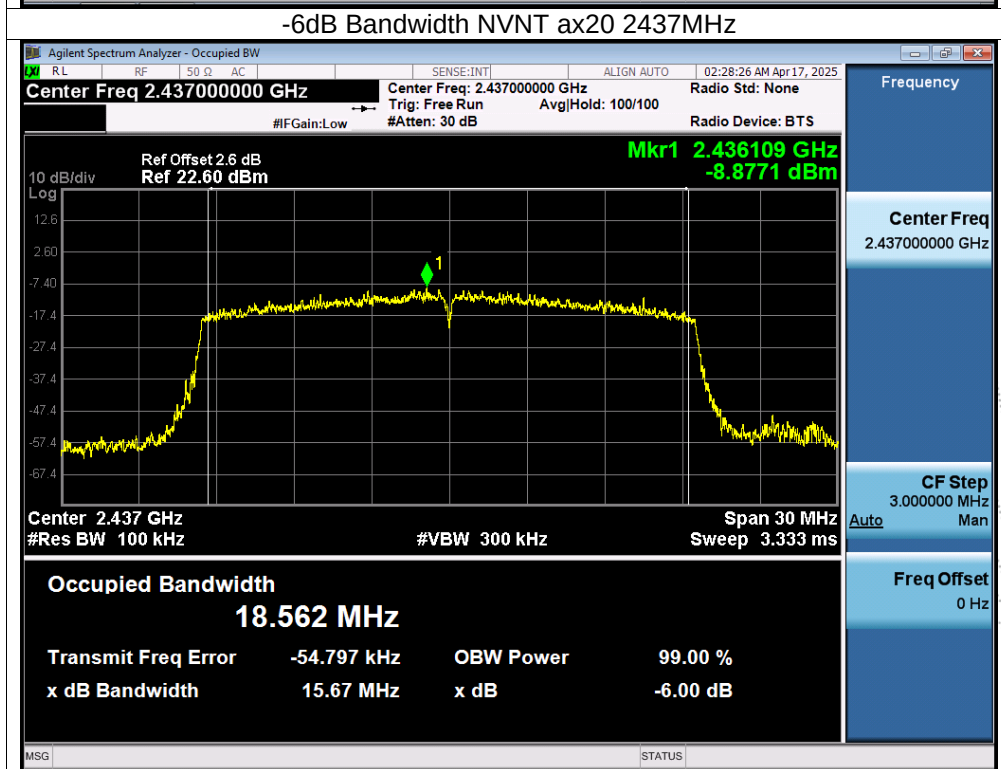
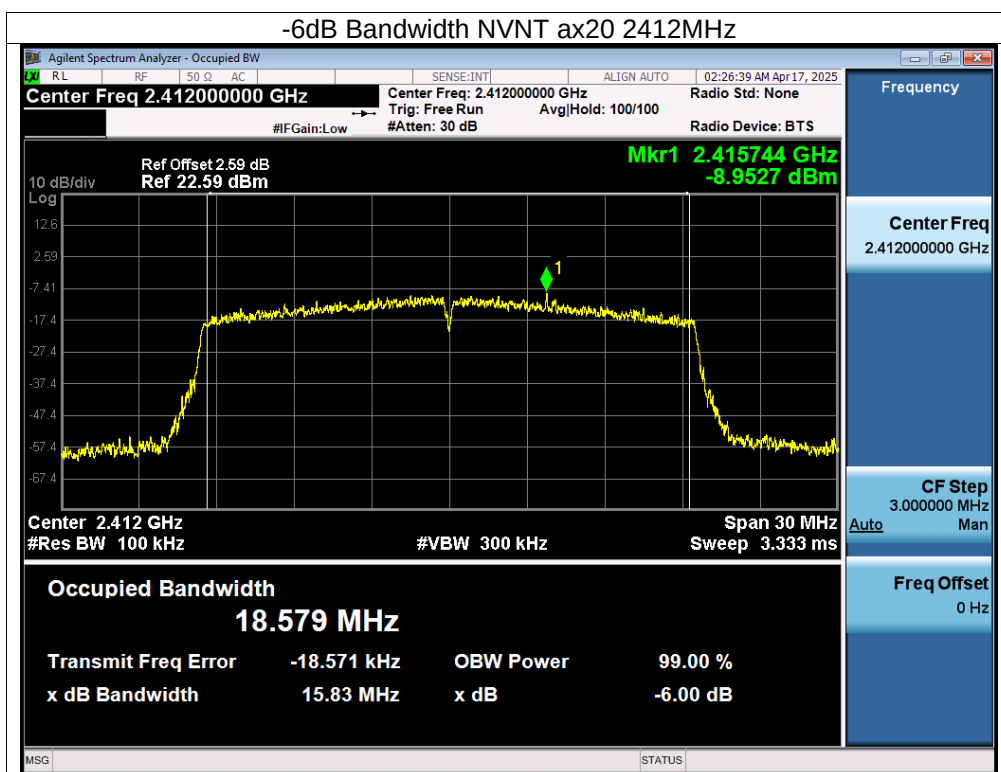


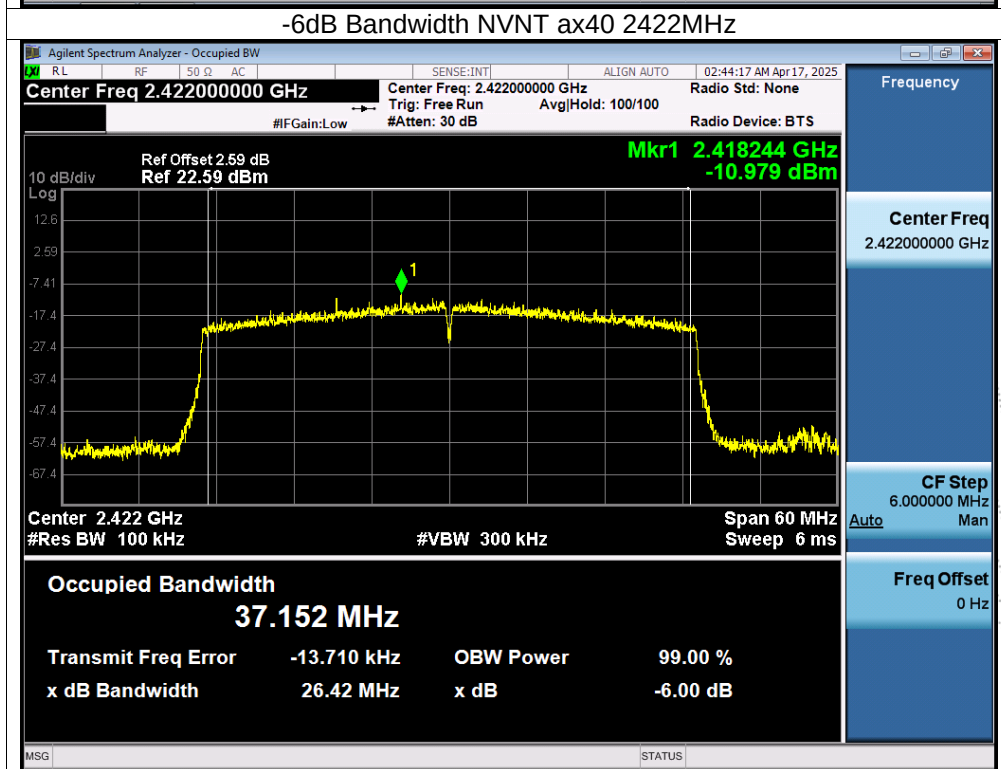
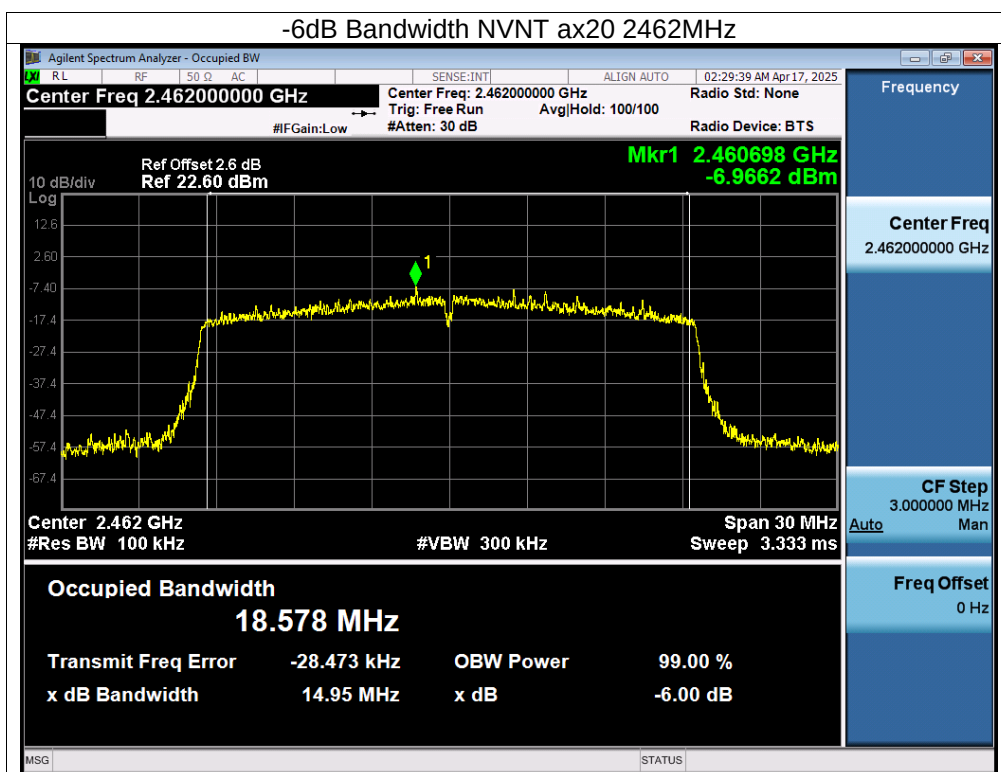


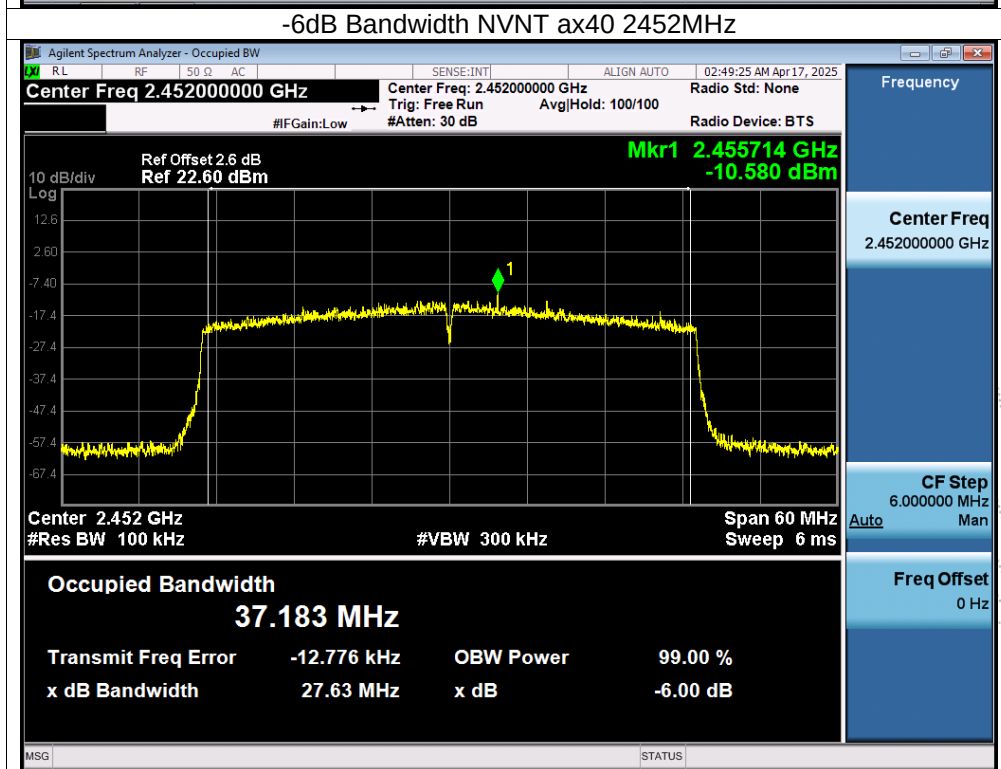
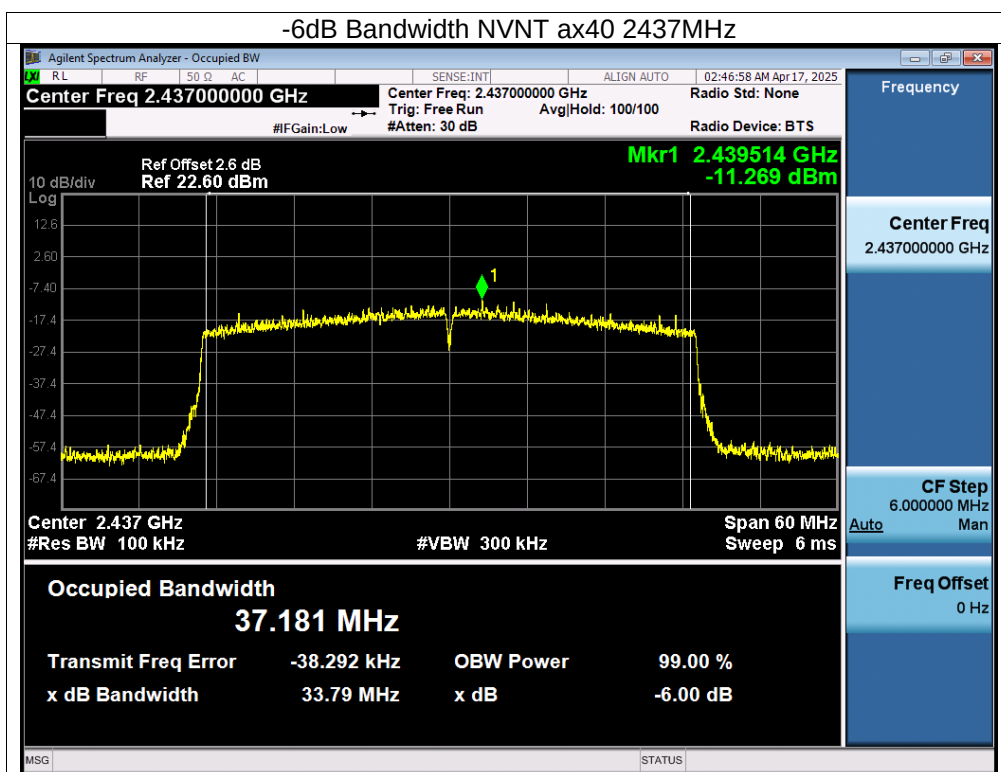












11. Peak Output Power Test

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

11.3 Test Procedure

- a. The EUT was directly connected to the Power meter

11.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

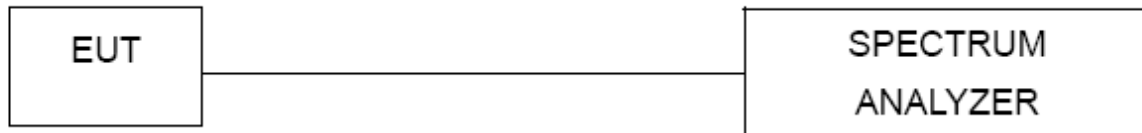
11.5 Test Result

Temperature:	26°C	Relative Humidity:	54%
Test Voltage:	DC 3.3V	Remark:	N/A

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	7.76	30	Pass
NVNT	b	2437	8.15	30	Pass
NVNT	b	2462	7.94	30	Pass
NVNT	g	2412	5.8	30	Pass
NVNT	g	2437	5.45	30	Pass
NVNT	g	2462	5.85	30	Pass
NVNT	n20	2412	4.48	30	Pass
NVNT	n20	2437	4.88	30	Pass
NVNT	n20	2462	4.72	30	Pass
NVNT	n40	2422	2.97	30	Pass
NVNT	n40	2437	2.42	30	Pass
NVNT	n40	2452	2.28	30	Pass
NVNT	ax20	2412	4.27	30	Pass
NVNT	ax20	2437	4.28	30	Pass
NVNT	ax20	2462	4.12	30	Pass
NVNT	ax40	2422	2.67	30	Pass
NVNT	ax40	2437	2.26	30	Pass
NVNT	ax40	2452	2.34	30	Pass

12. 100 KHz Bandwidth Of Frequency Band Edge

12.1 Block Diagram Of Test Setup



12.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

12.3 Test Procedure

Using the following spectrum analyzer setting:

- a) Set the RBW = 100KHz.
- b) Set the VBW = 300KHz.
- c) Sweep time = auto couple.
- d) Detector function = peak.
- e) Trace mode = max hold.
- f) Allow trace to fully stabilize.

12.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

12.5 Test Result

