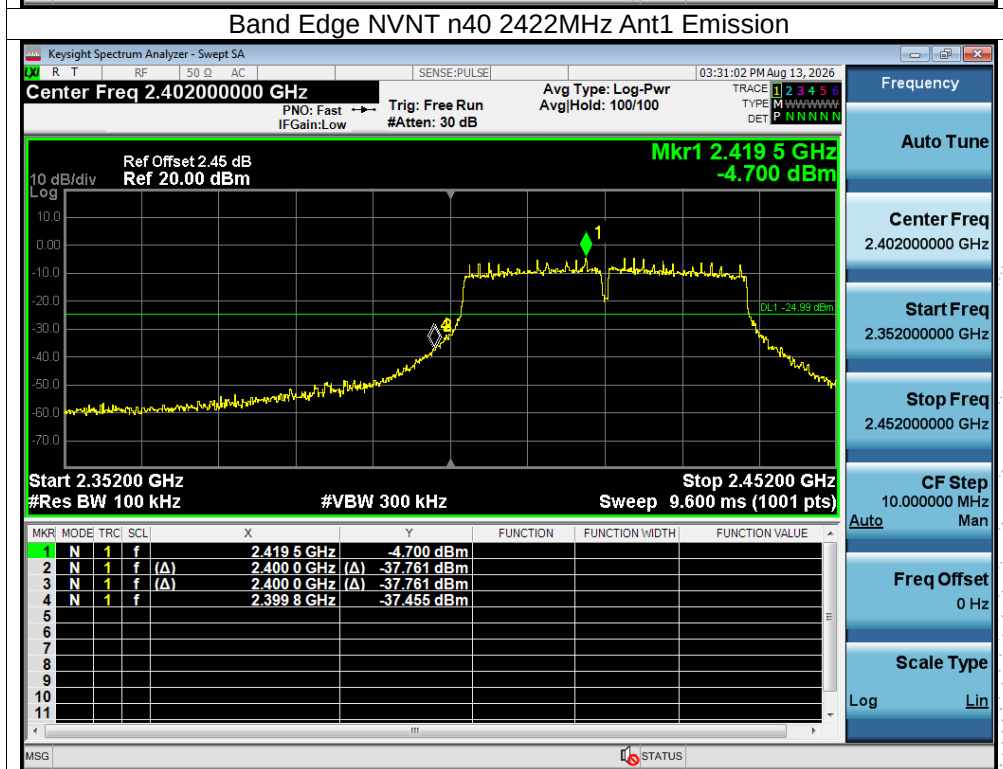
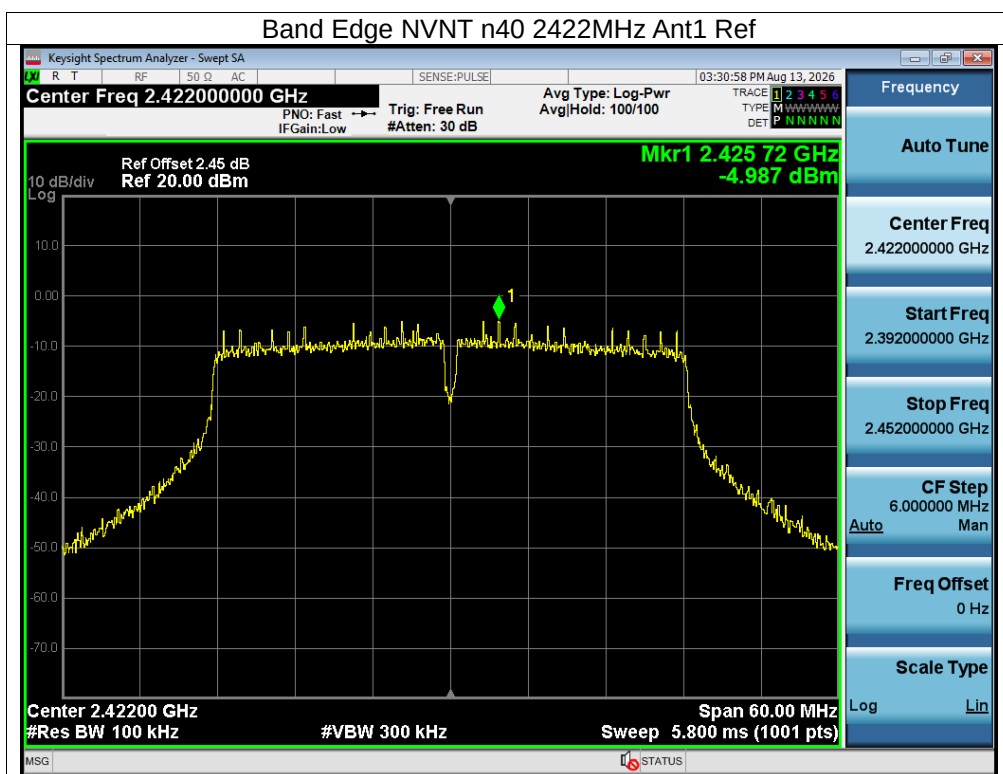
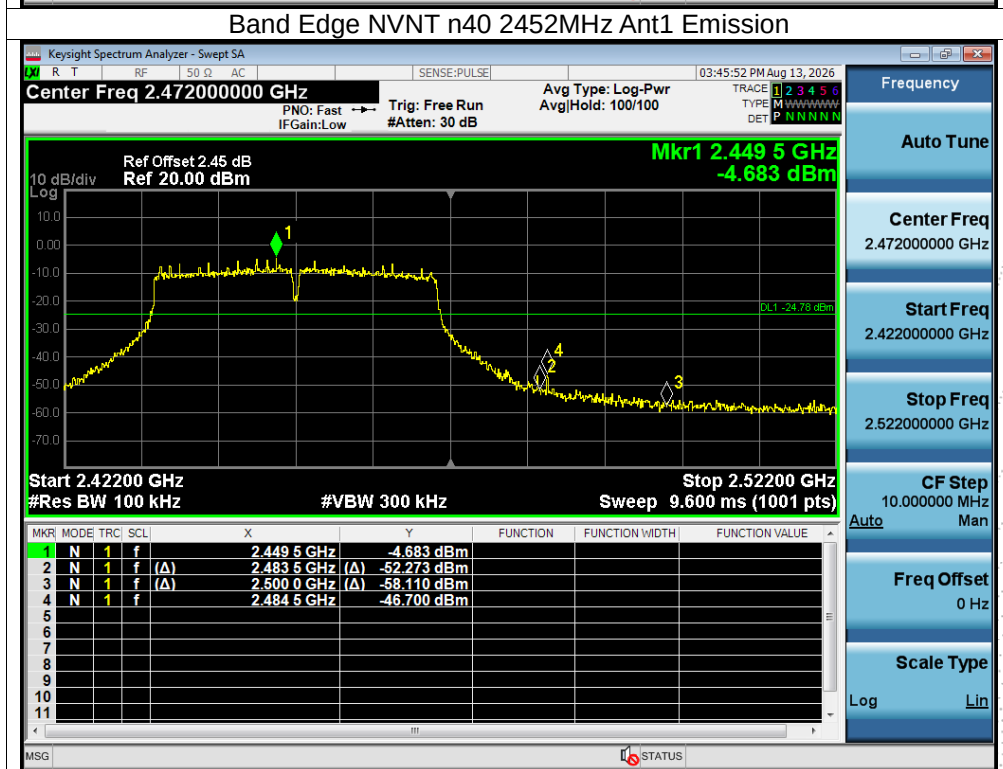
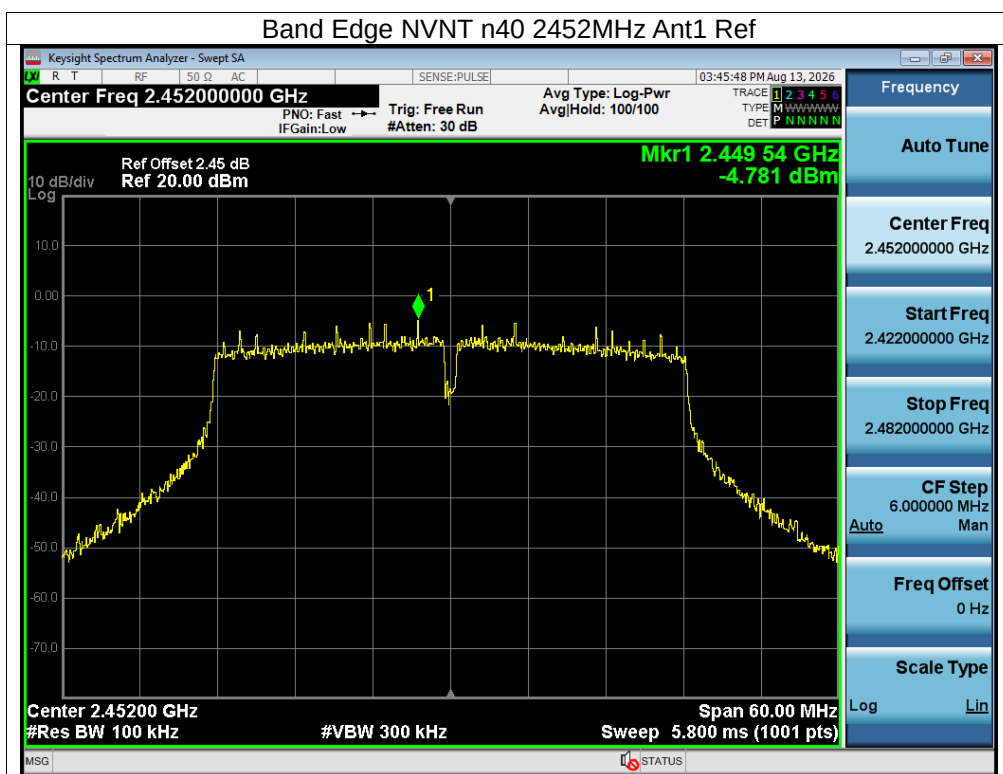
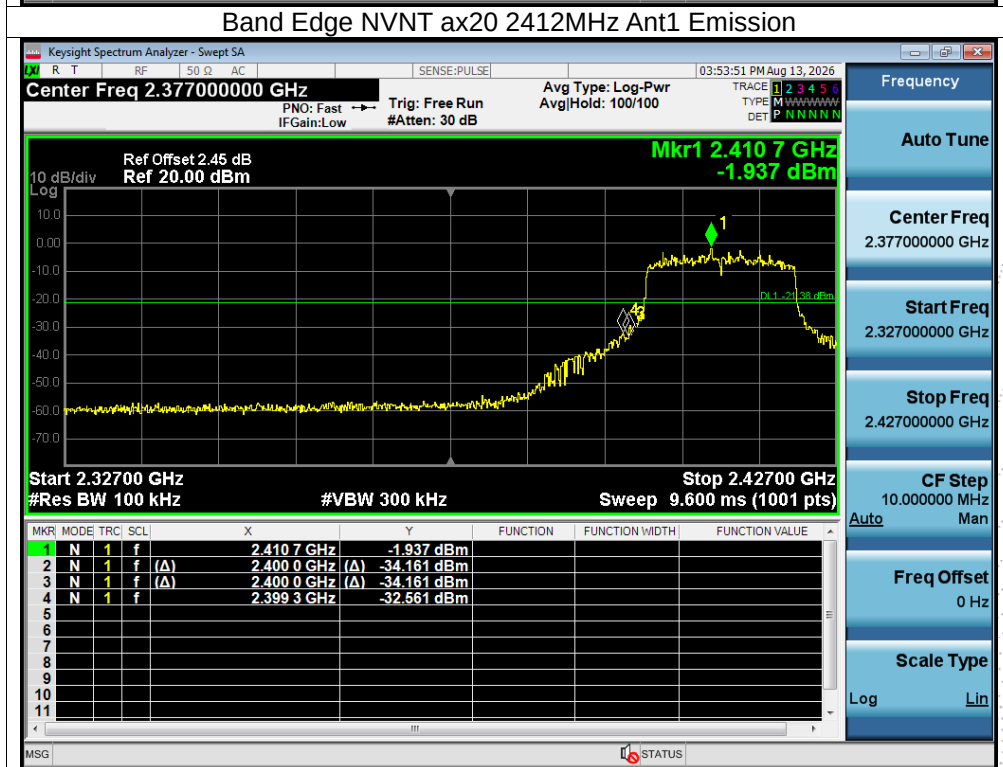
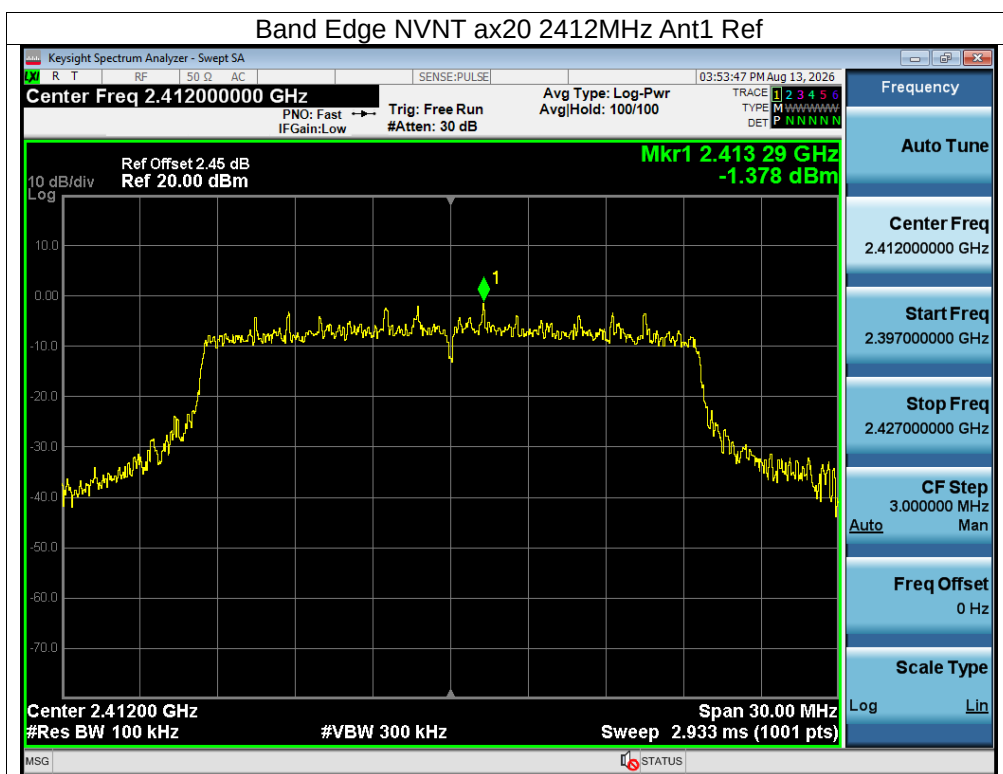
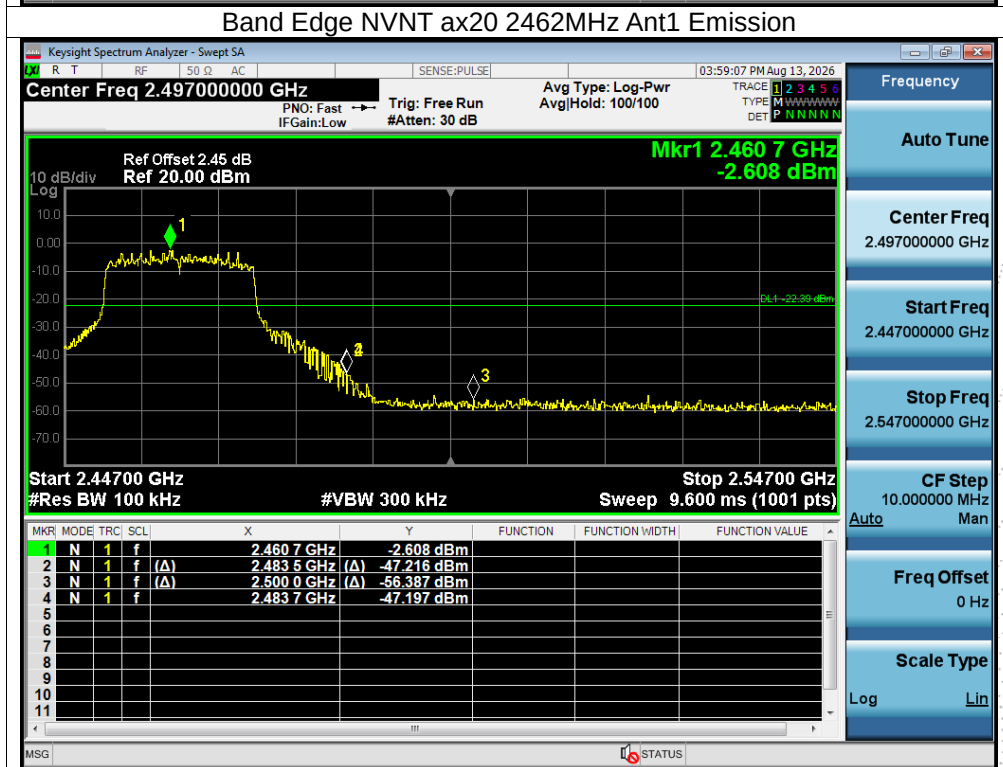
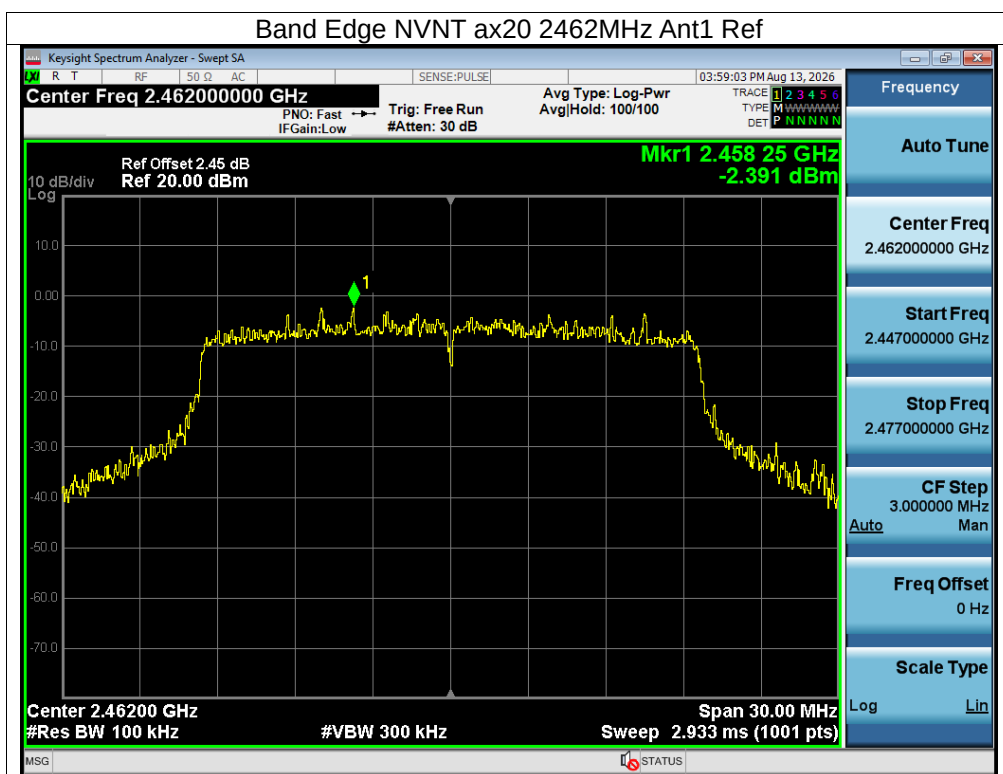
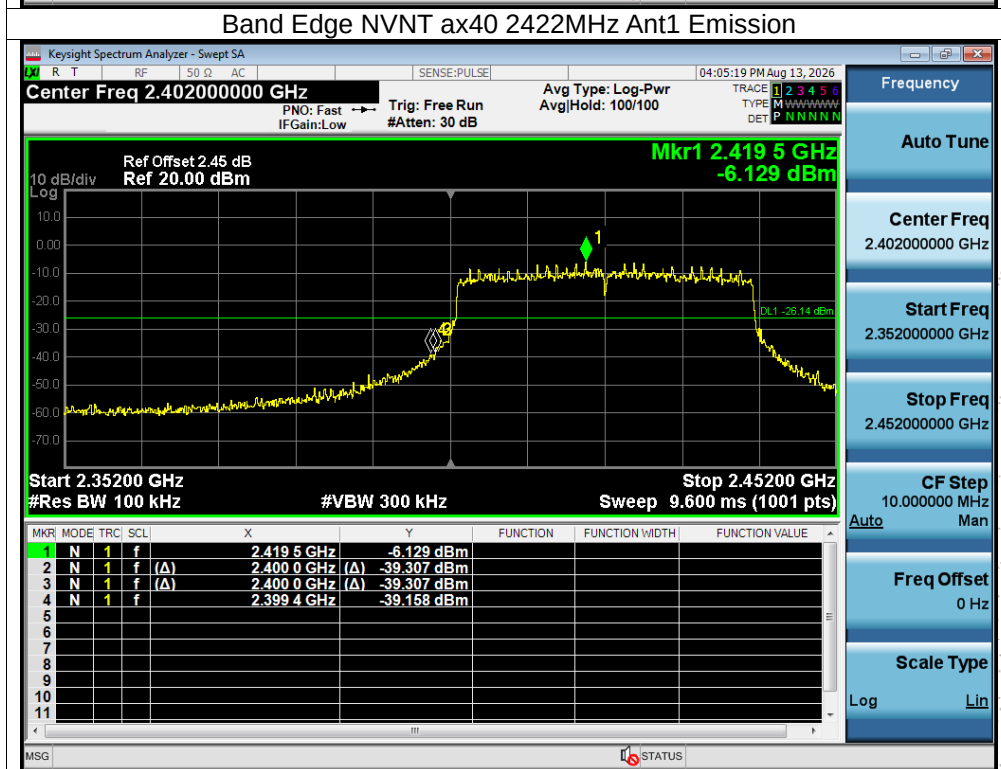
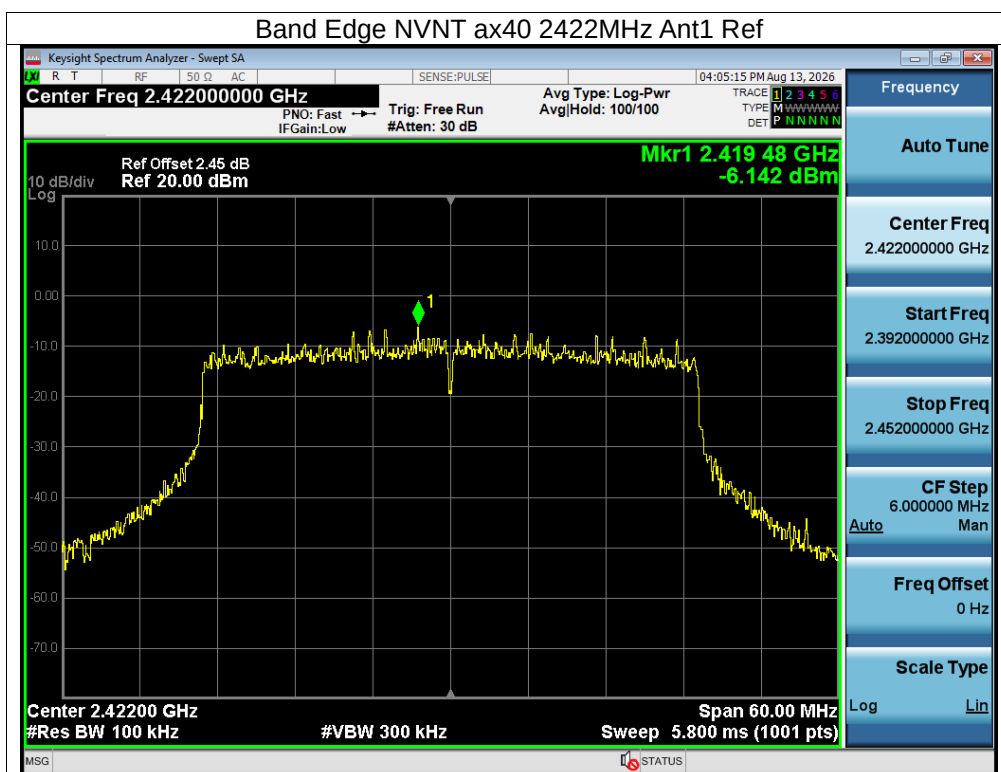


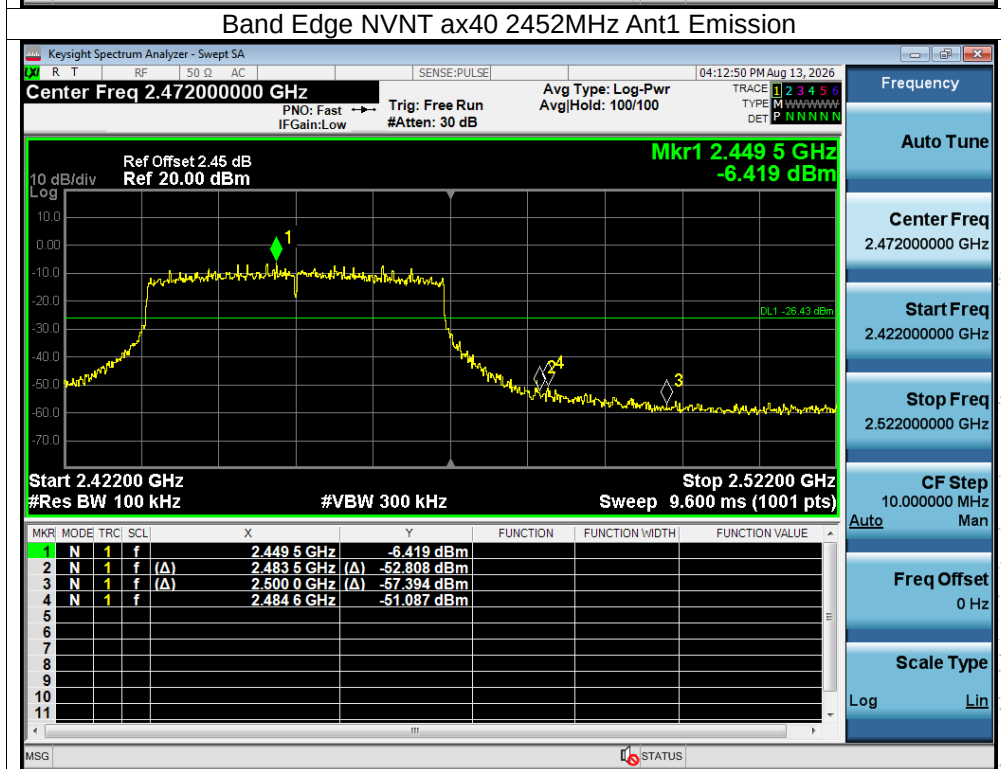
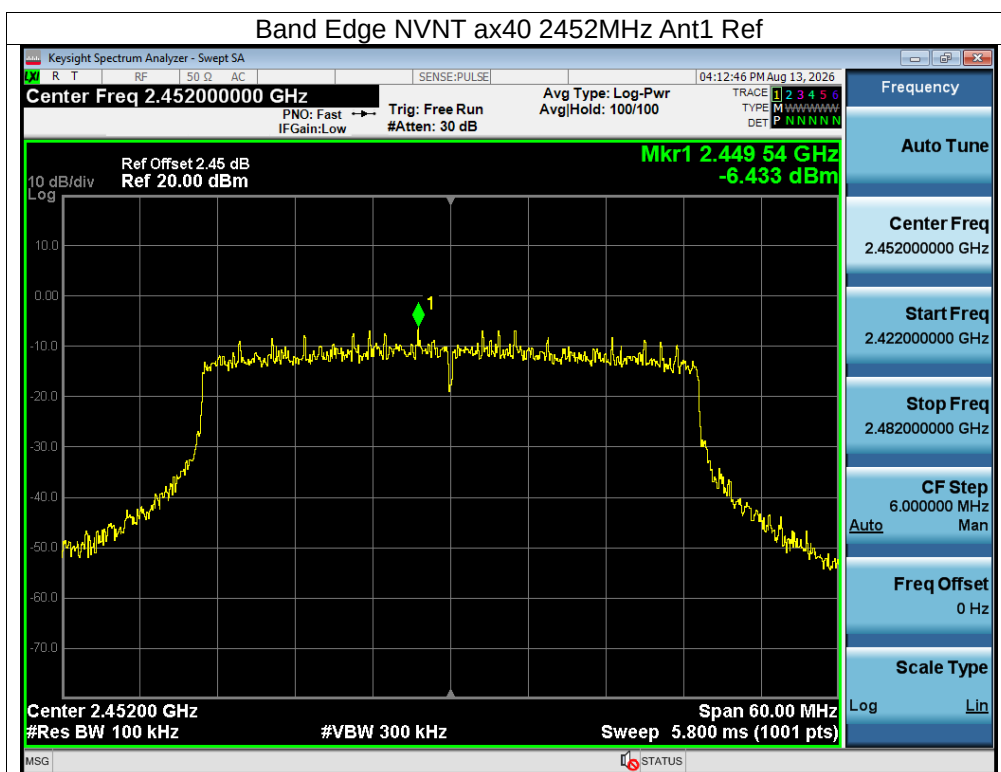


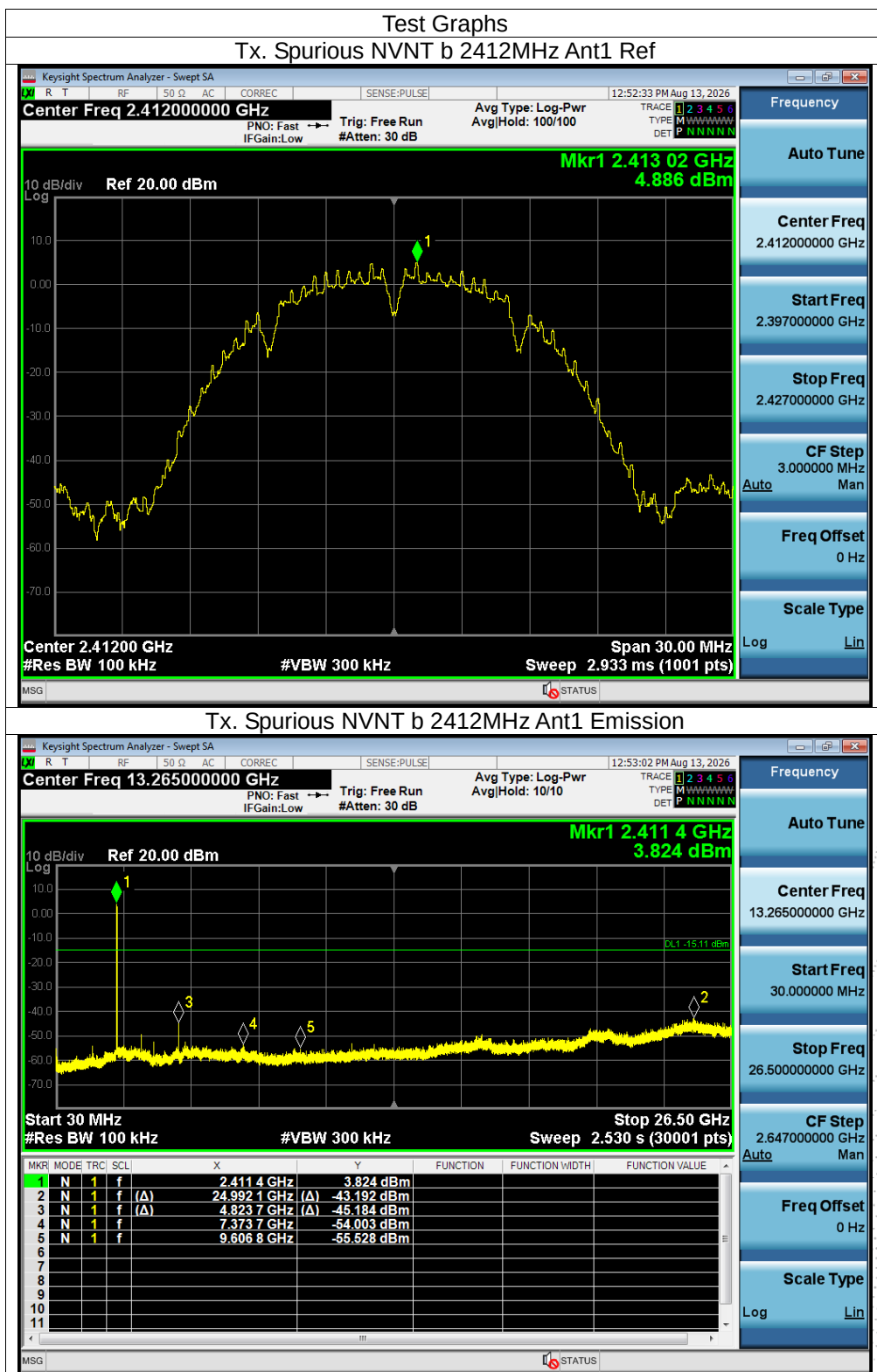


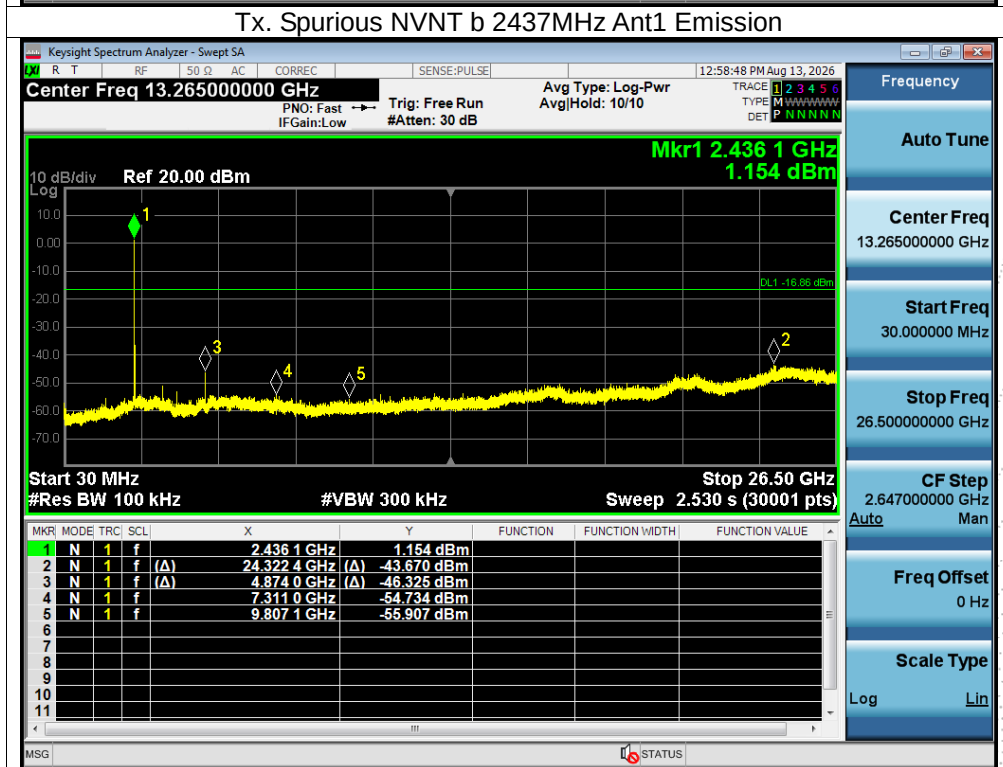
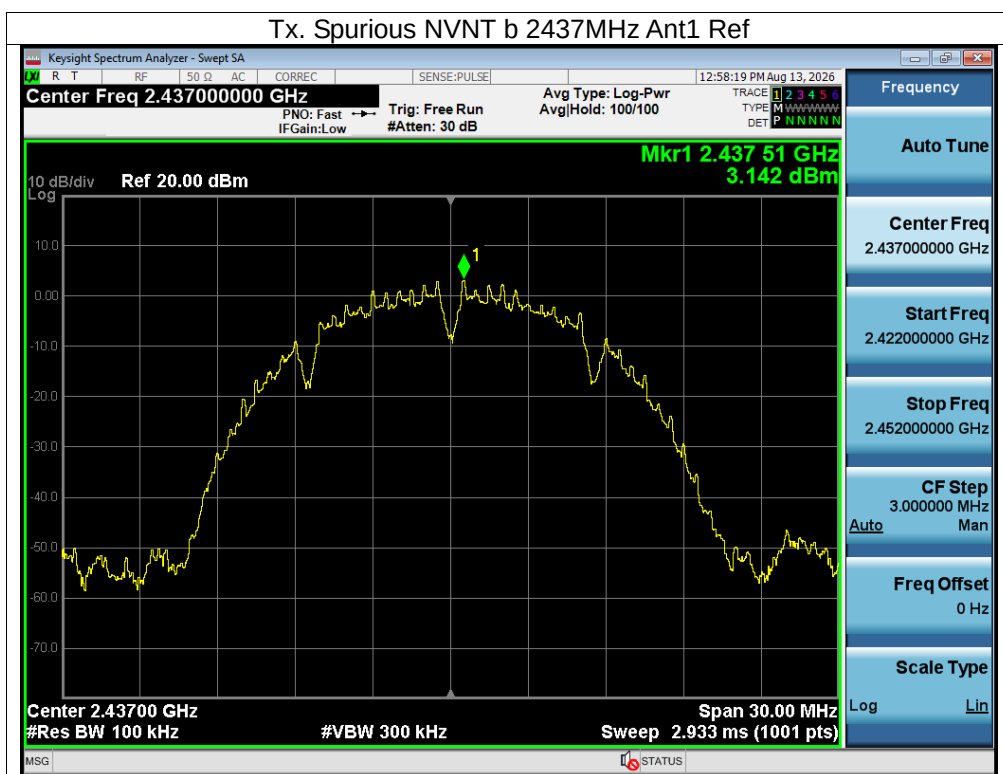


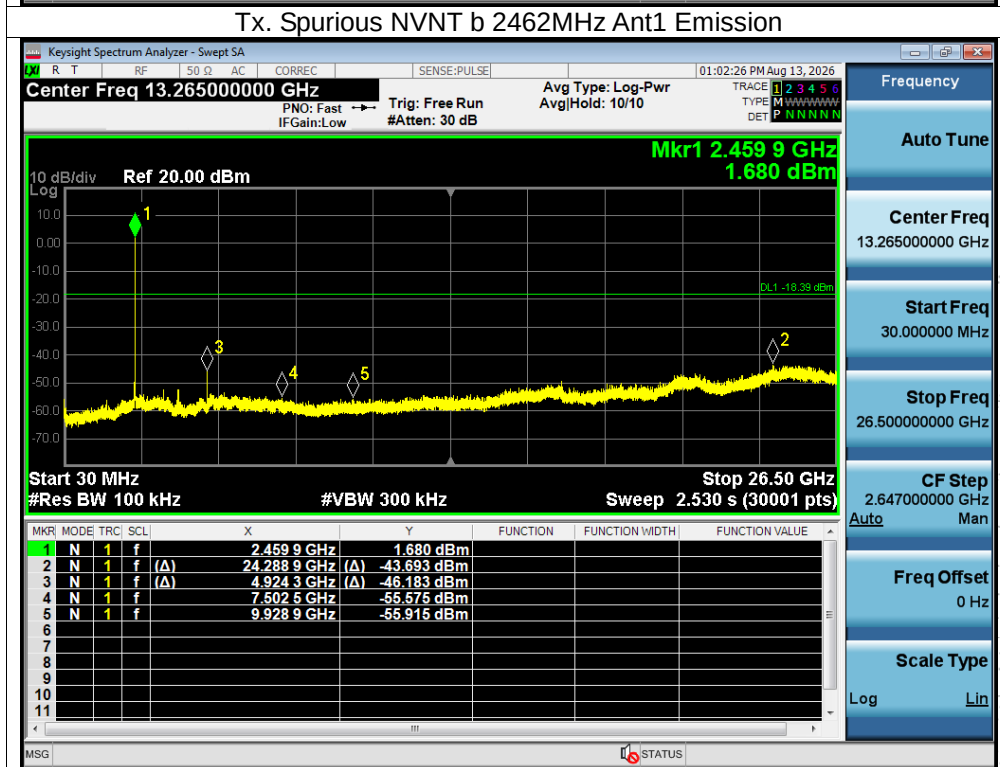
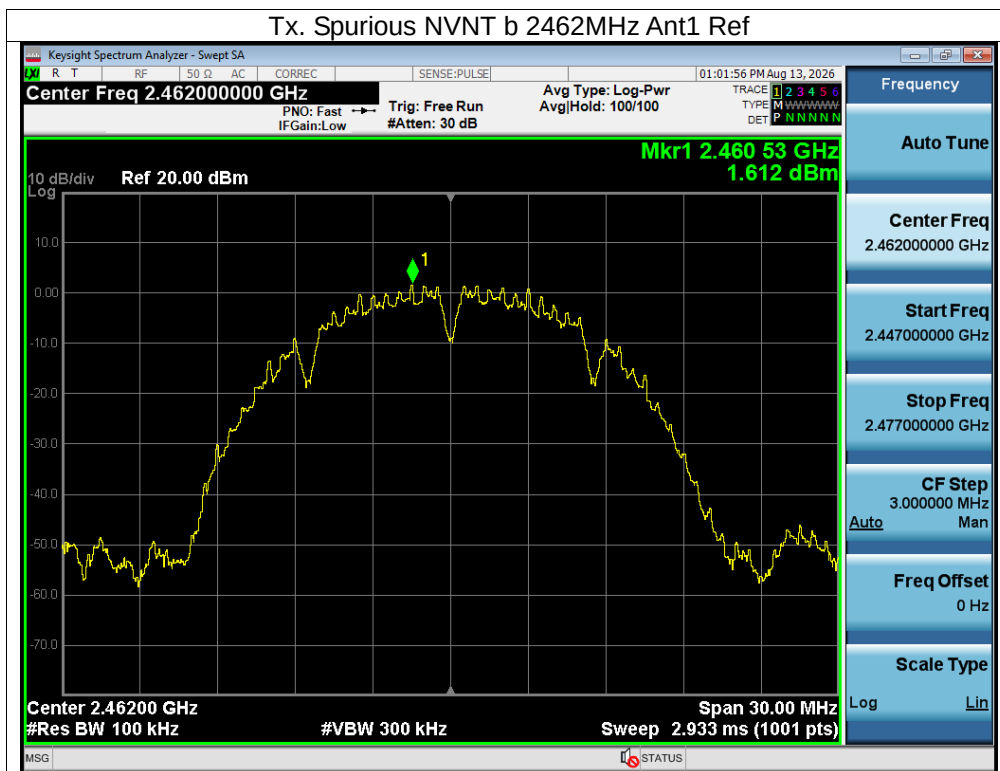


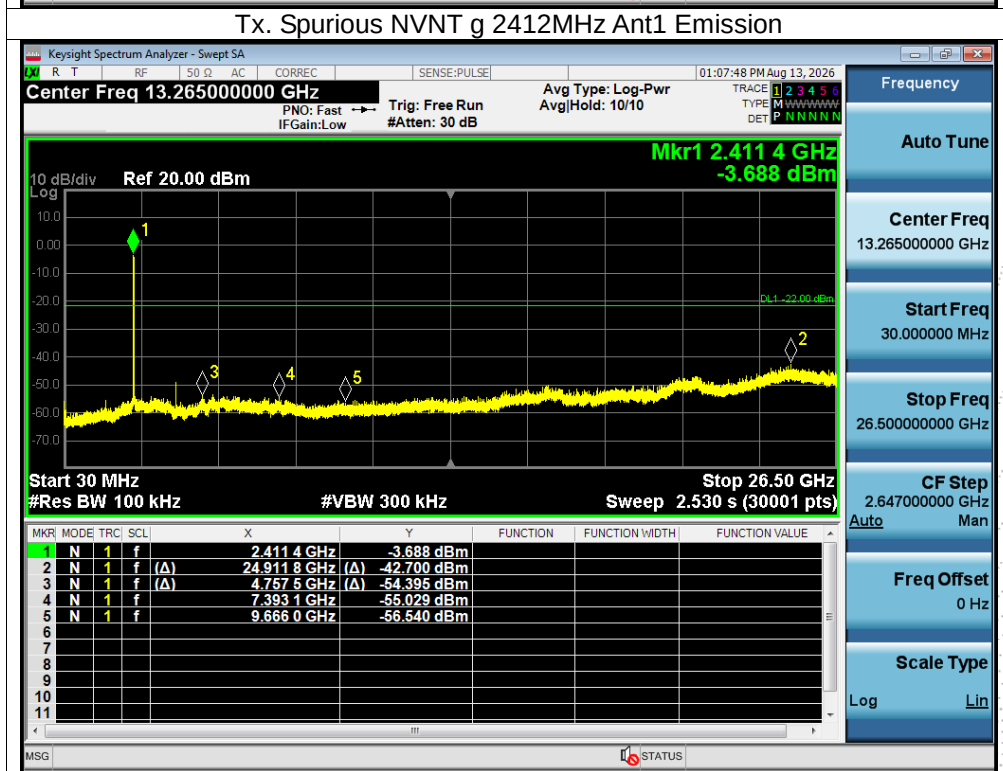
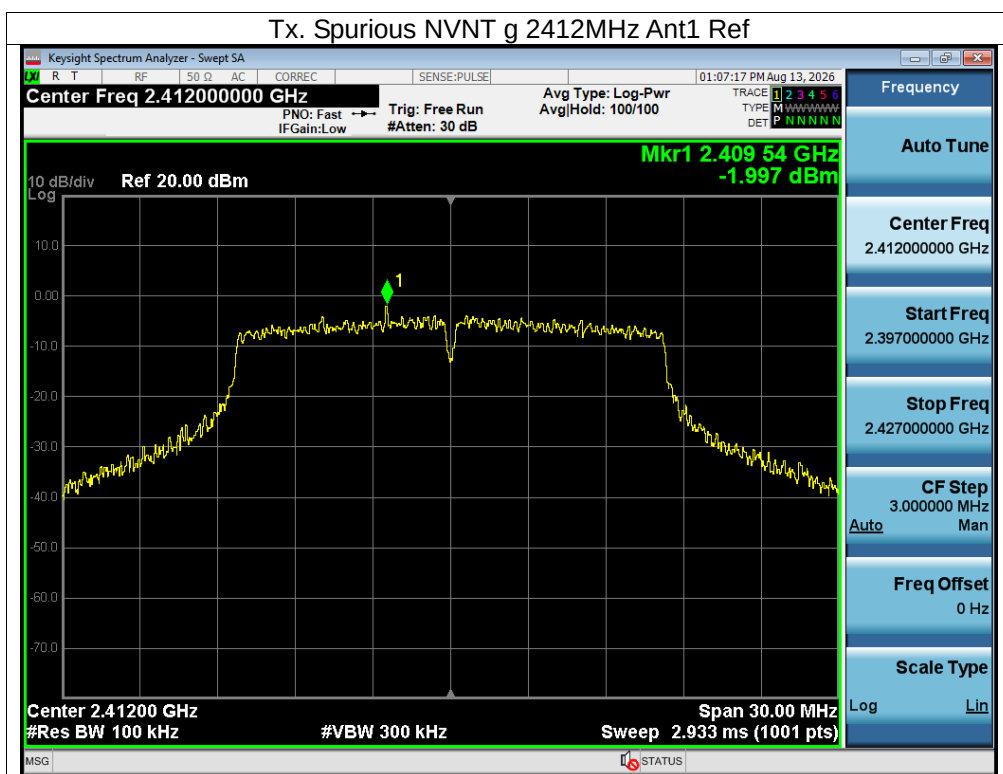


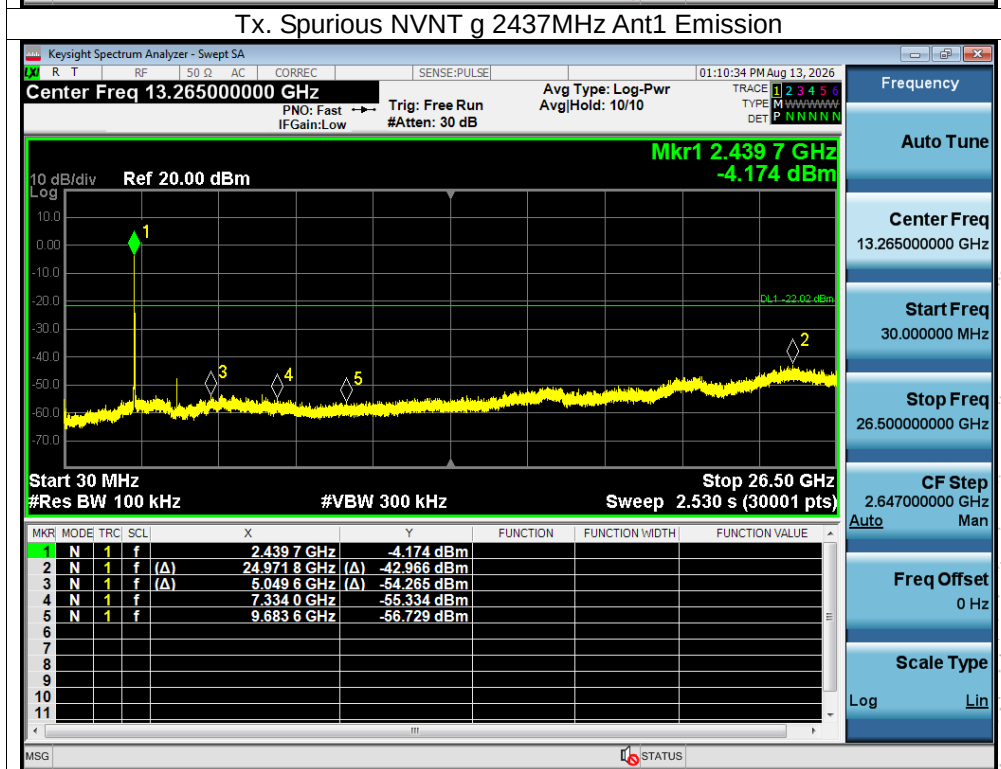
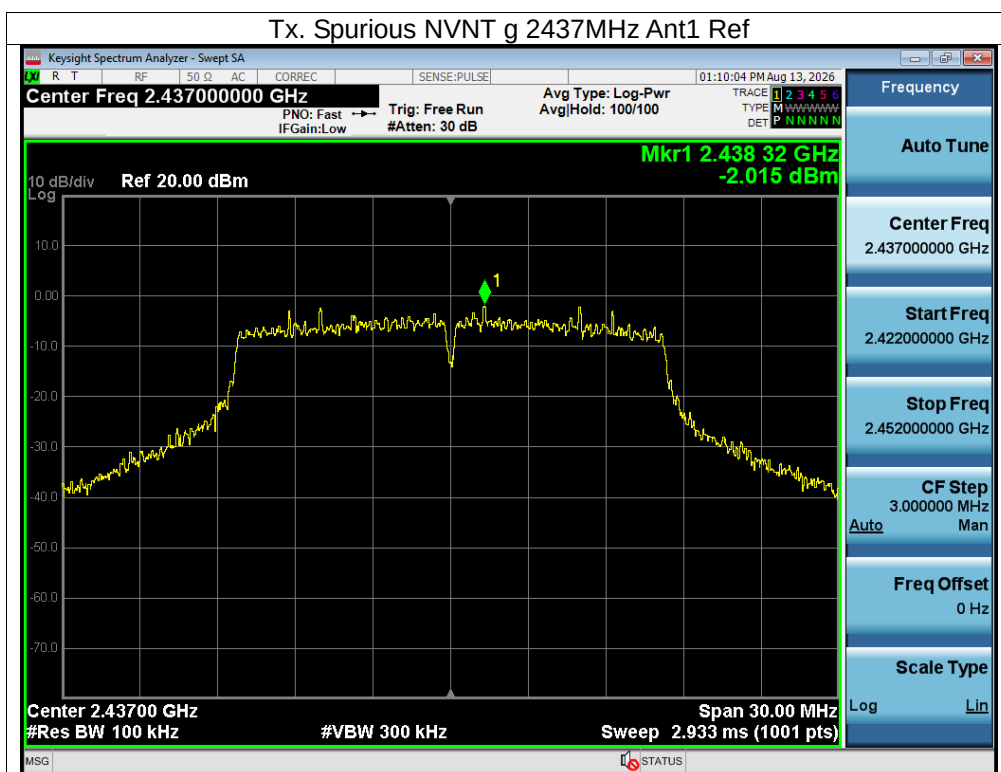


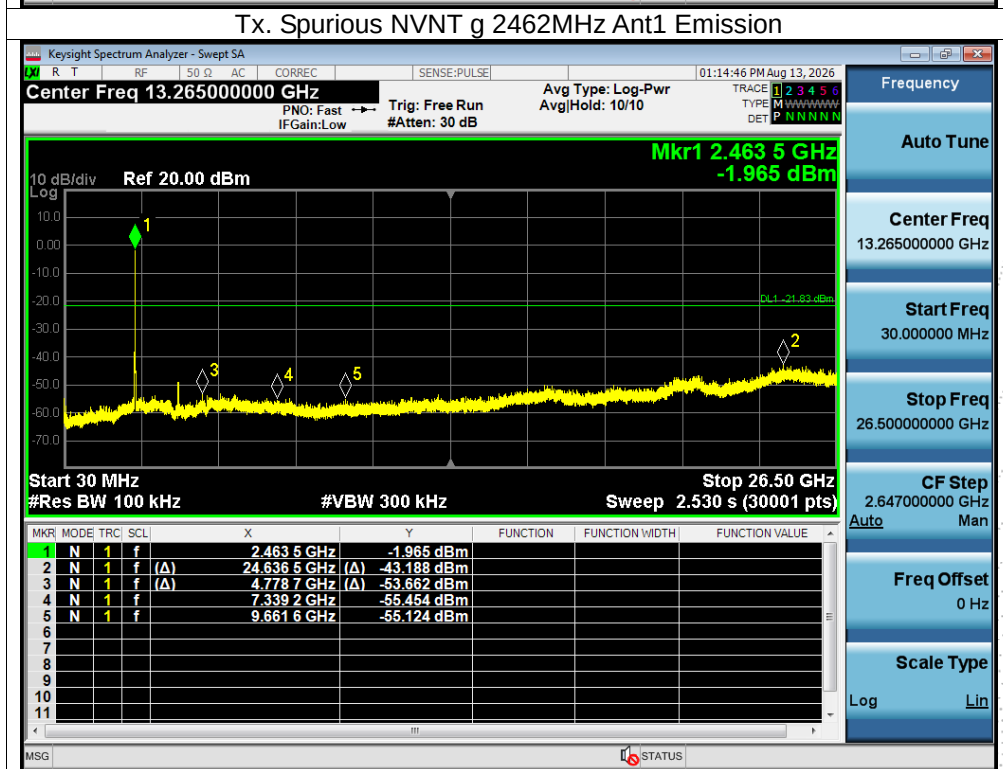
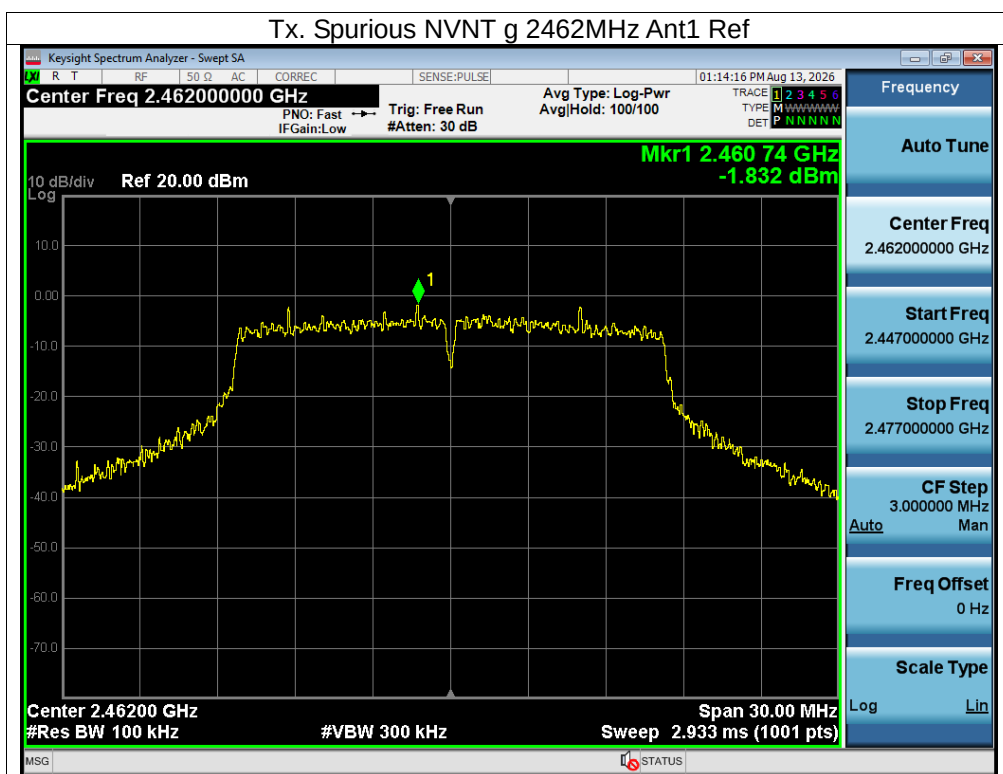
Conducted RF Spurious Emission




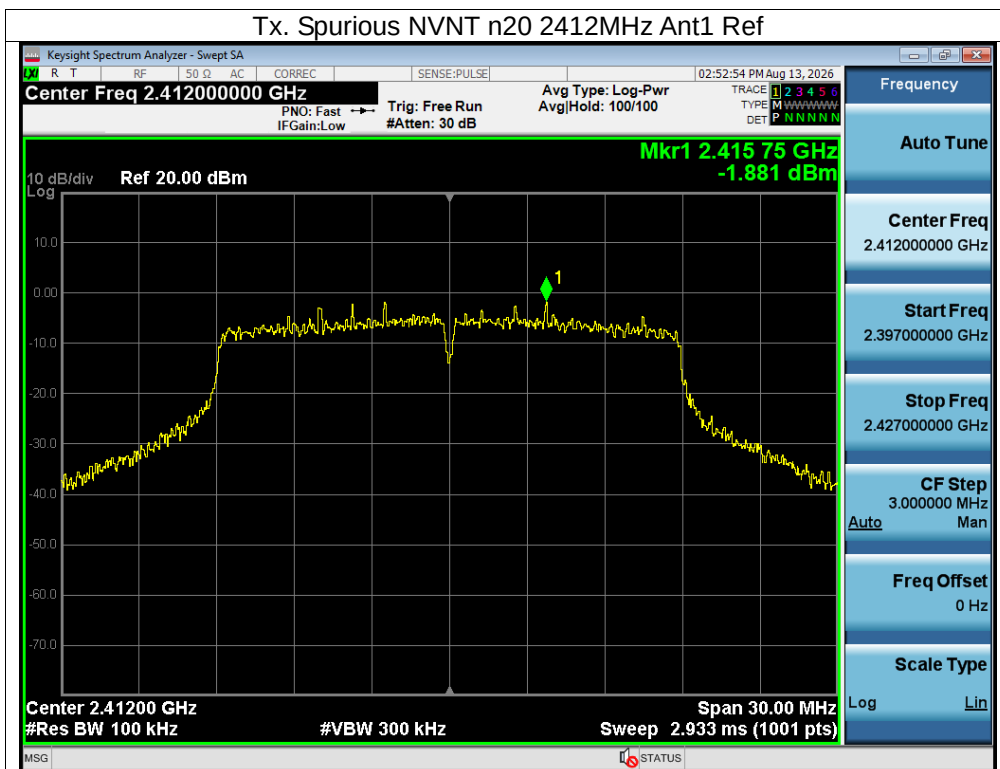




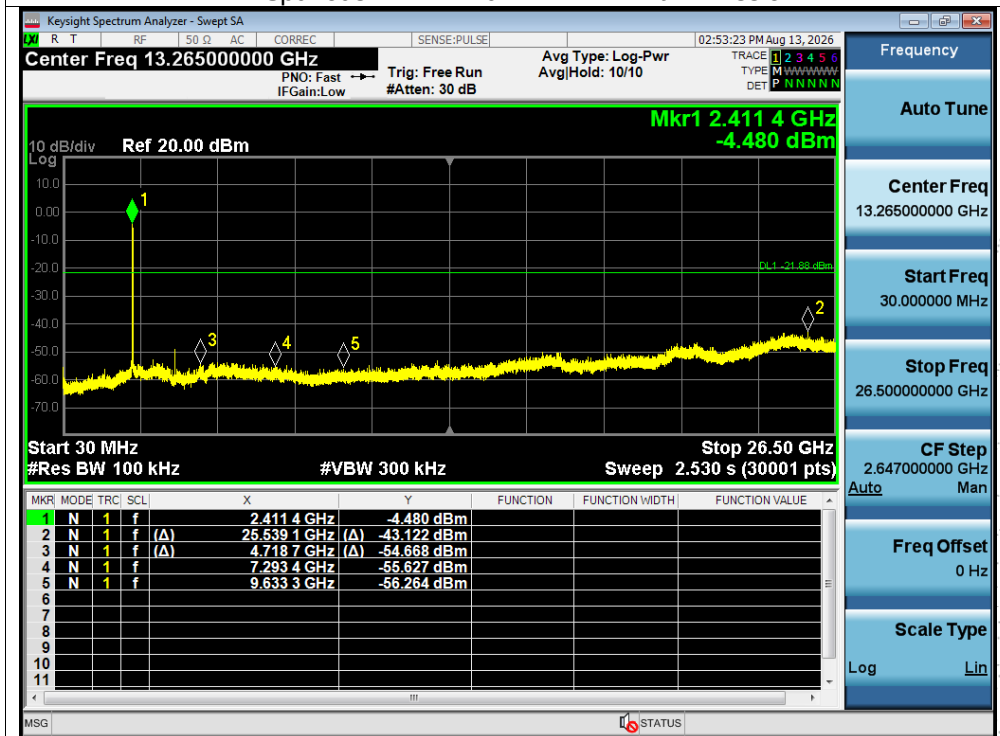


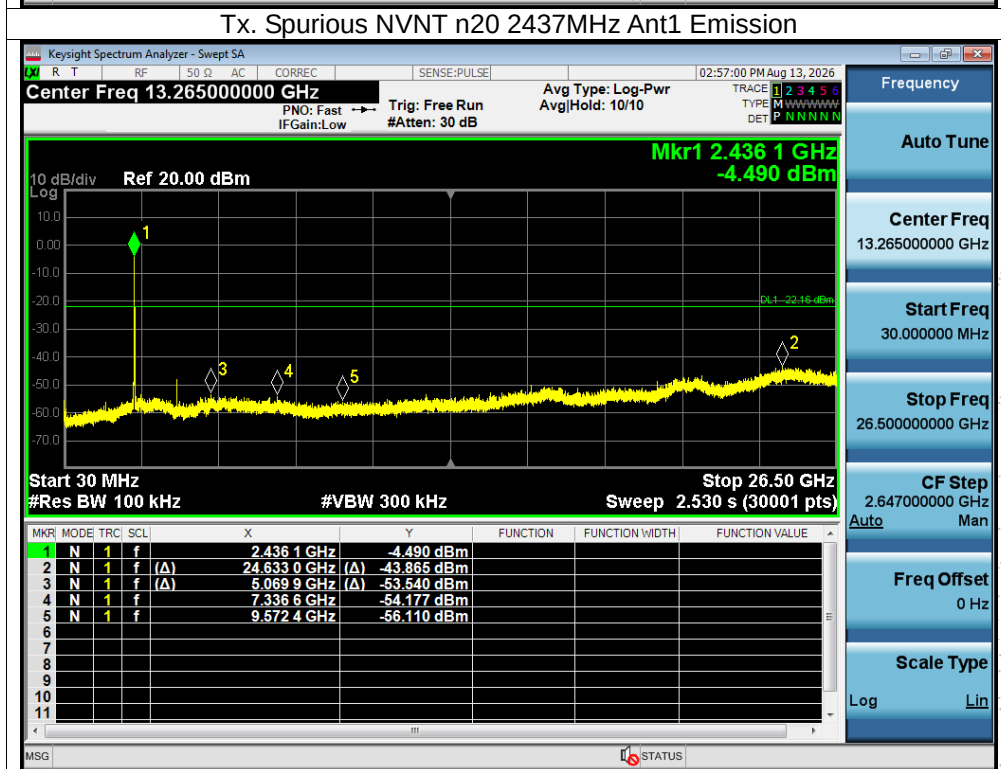
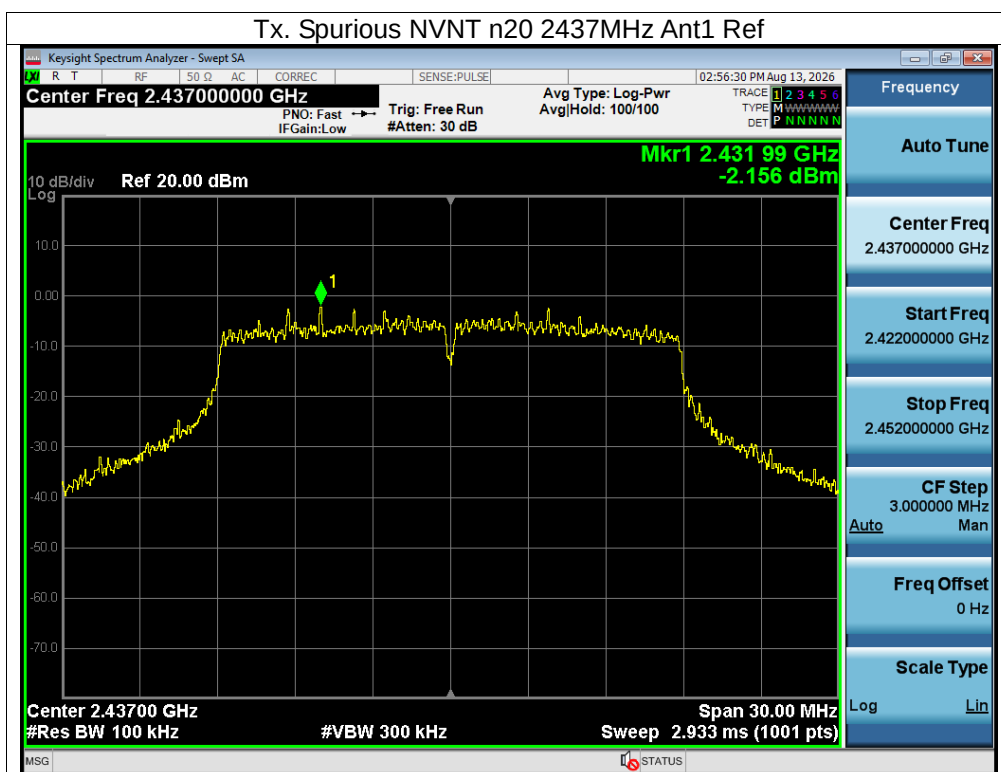


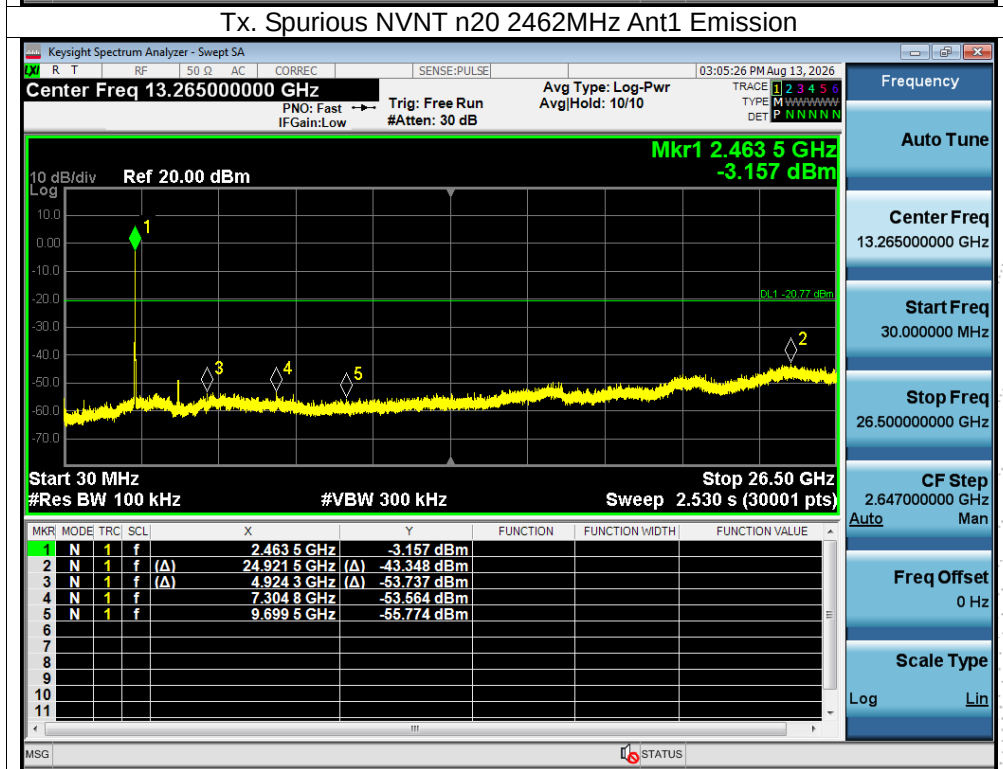
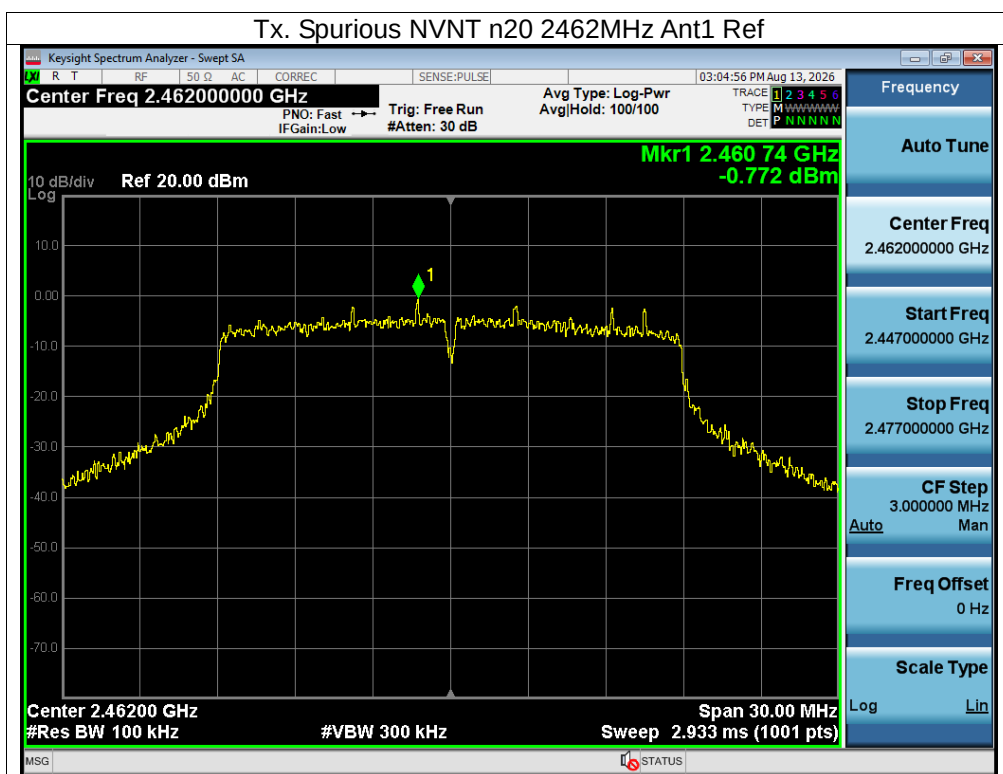
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



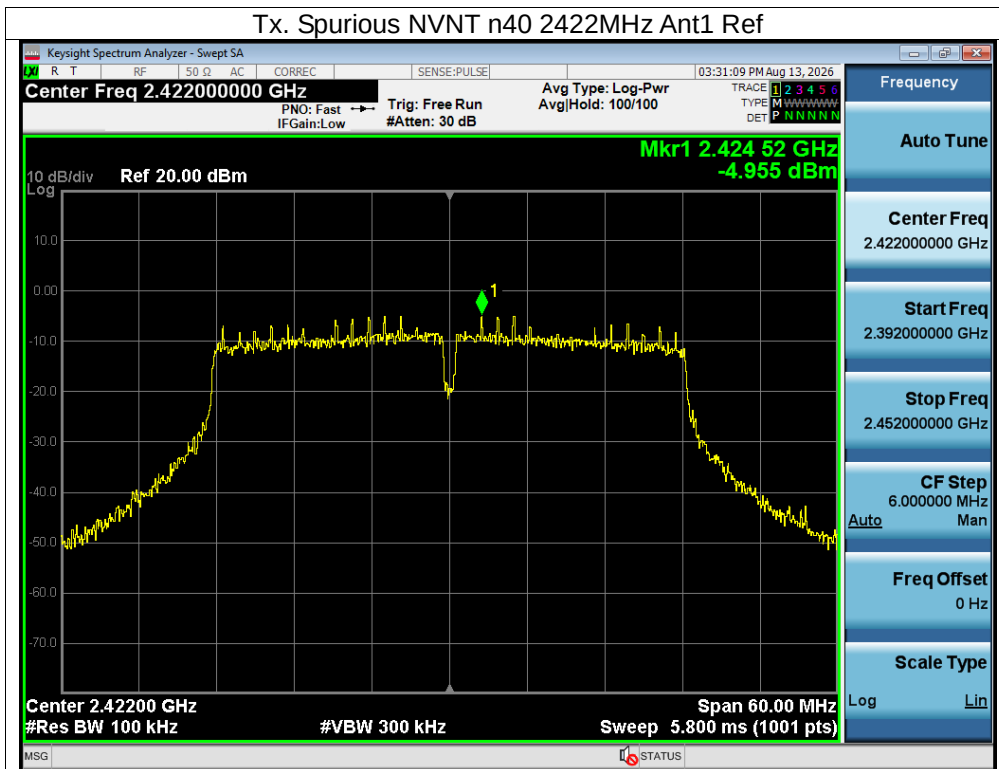
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



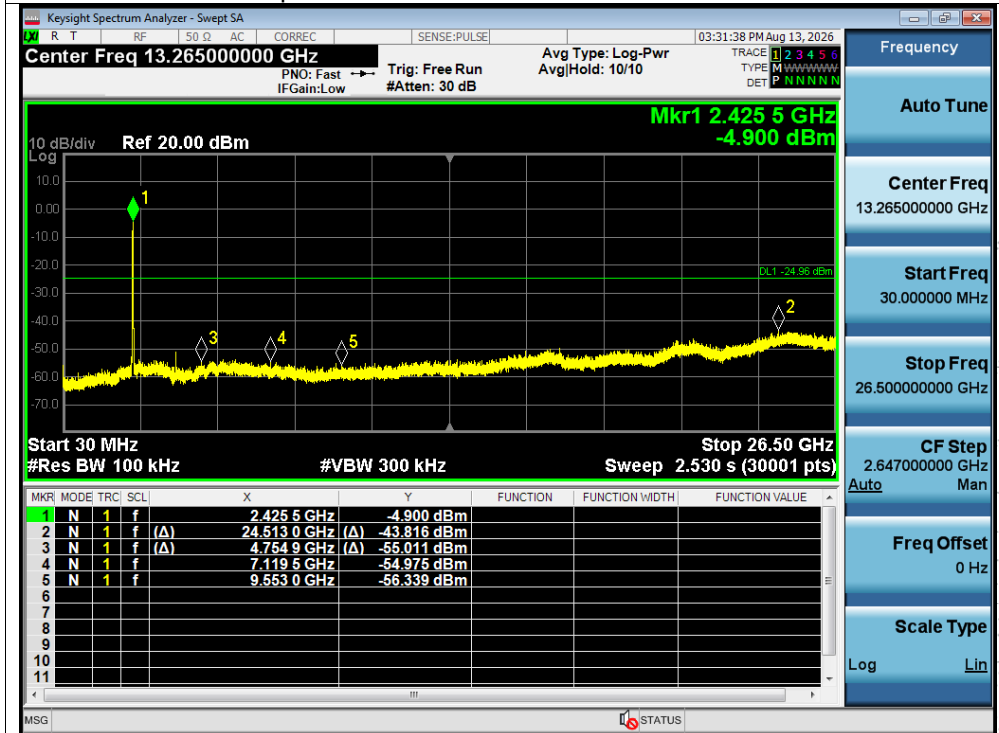




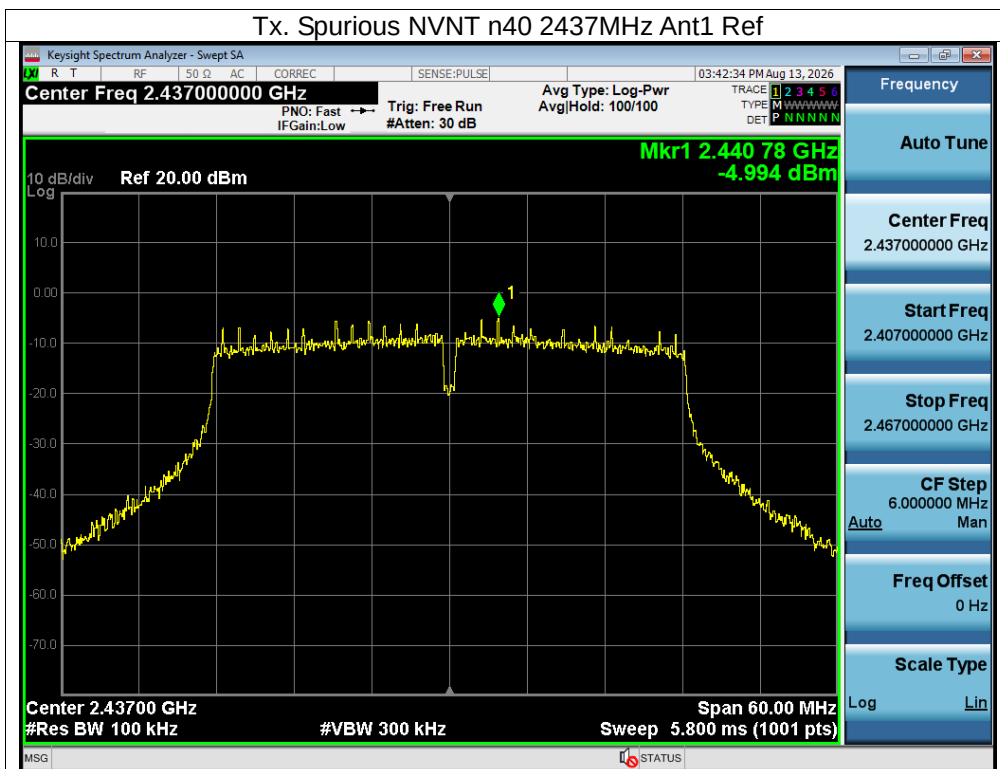
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



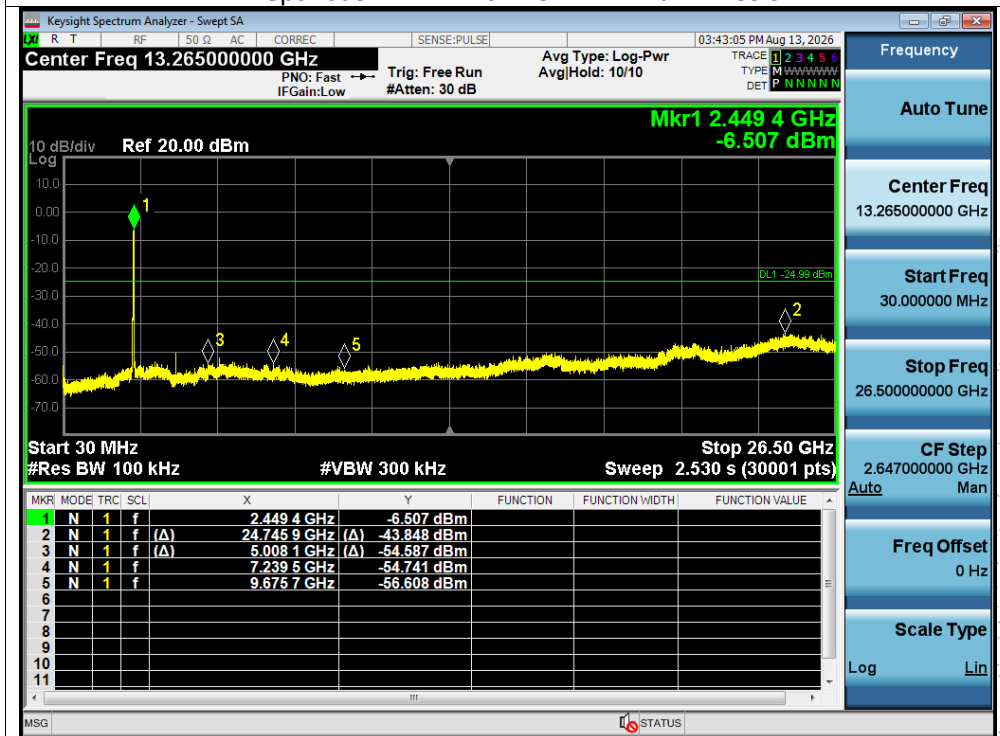
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



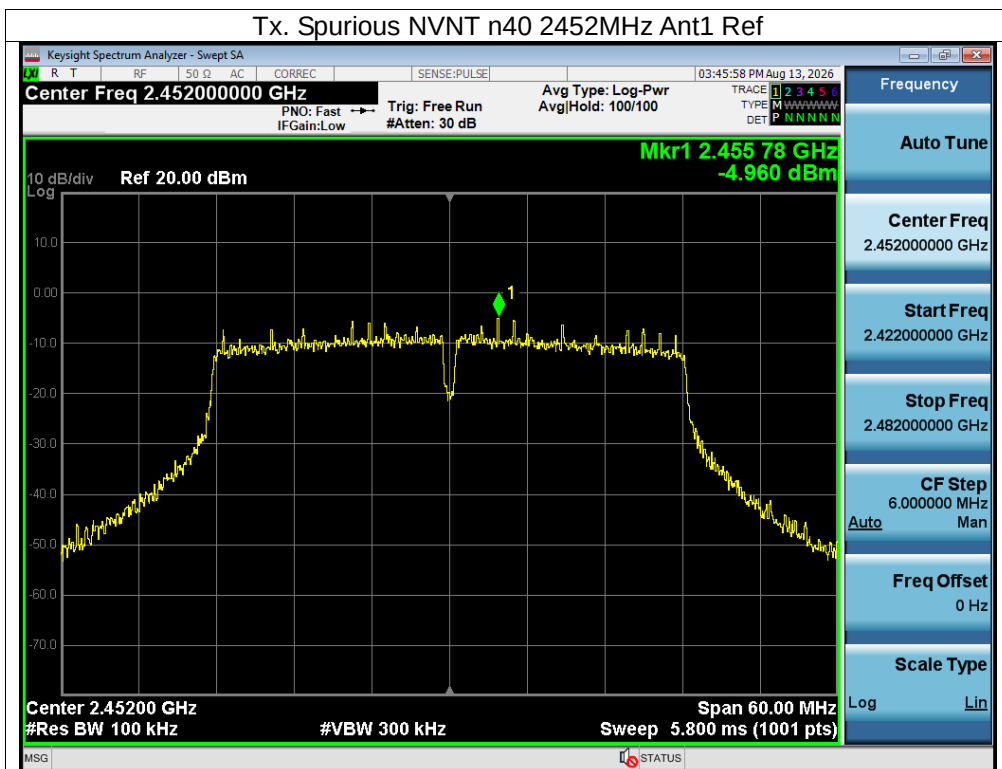
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



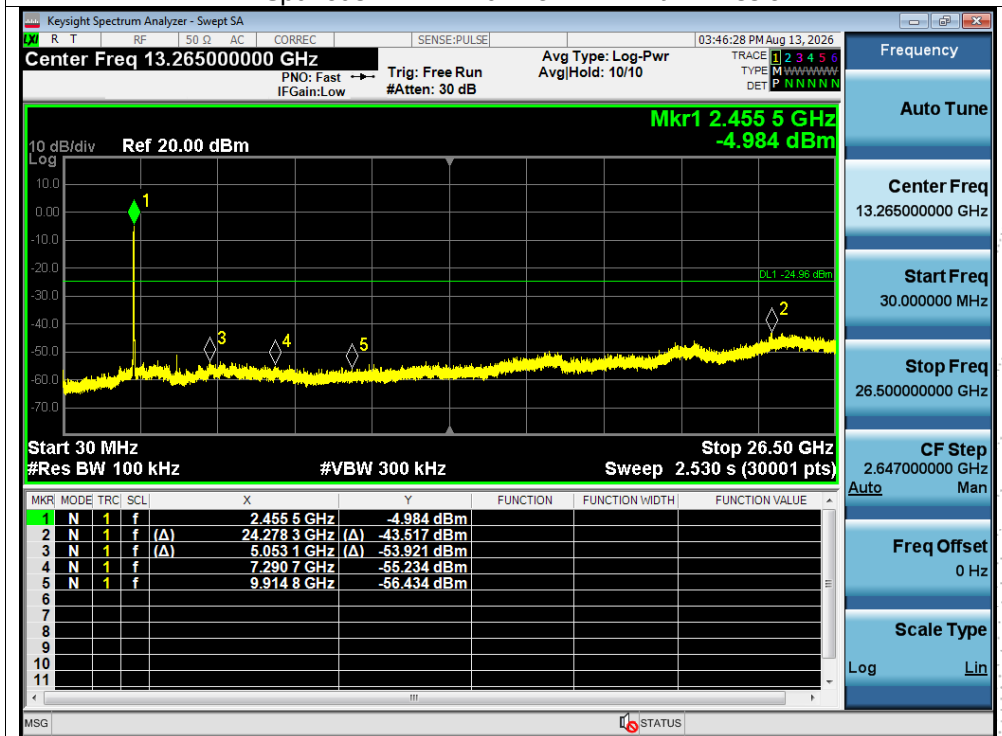
Tx. Spurious NVNT n40 2437MHz Ant1 Emission

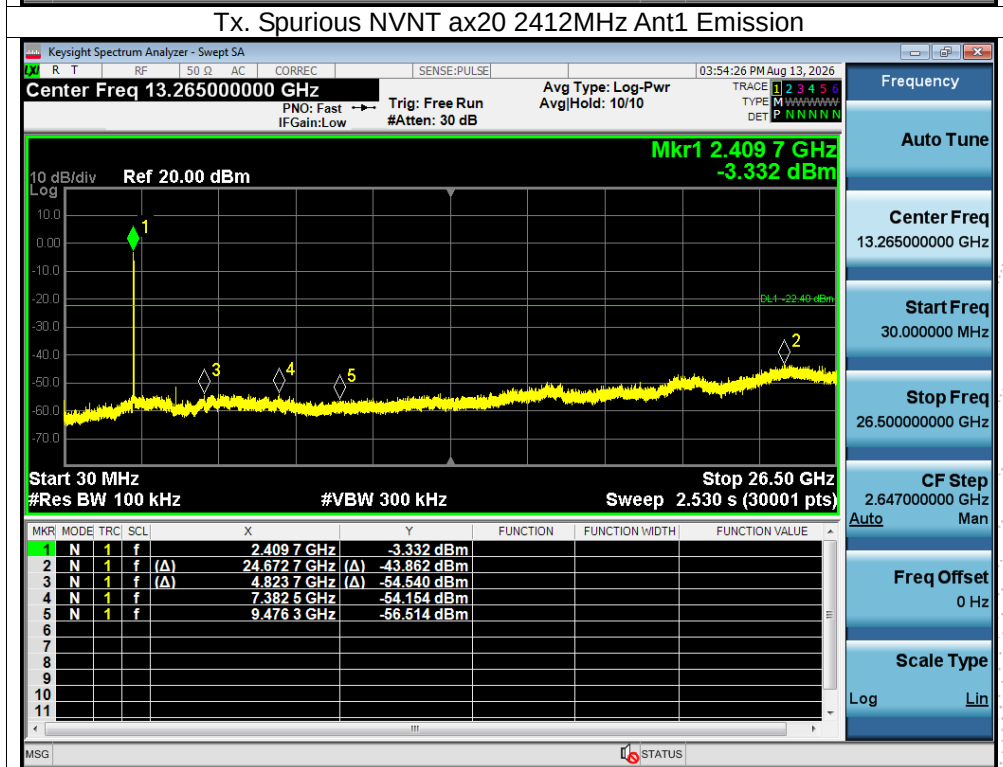
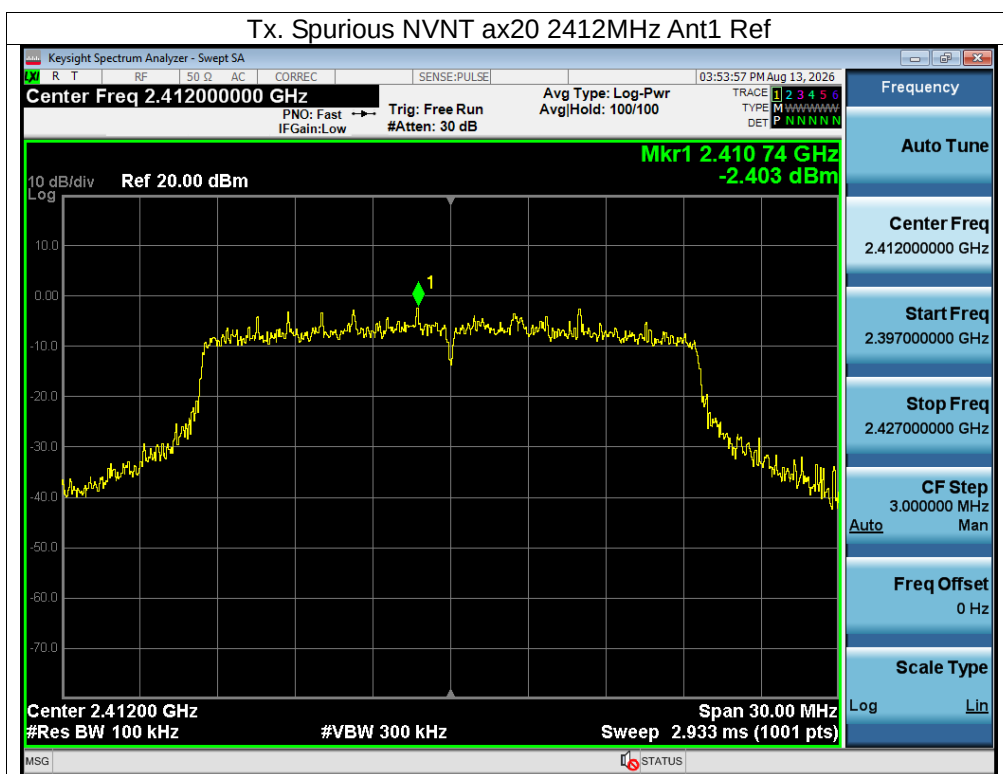


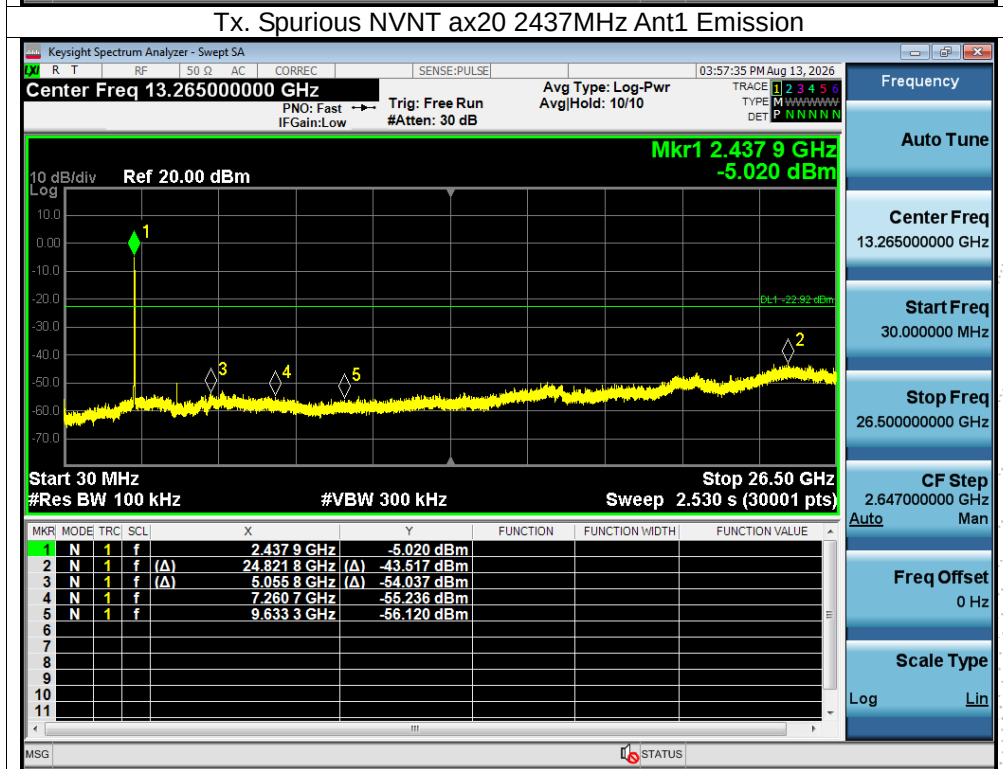
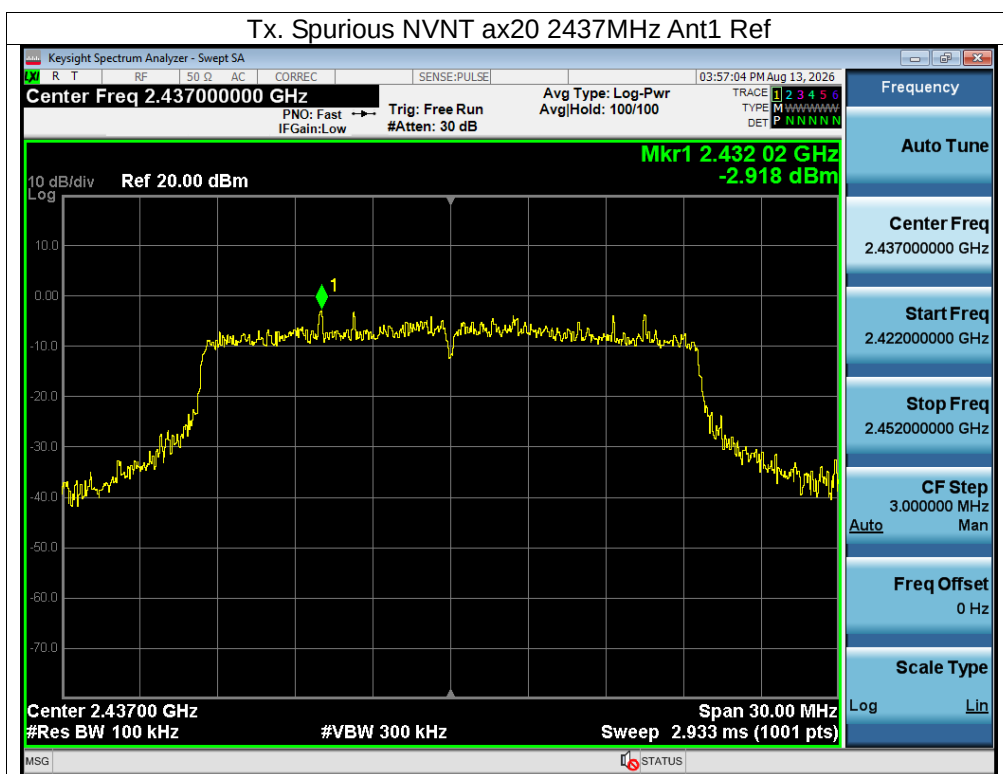
Tx. Spurious NVNT n40 2452MHz Ant1 Ref

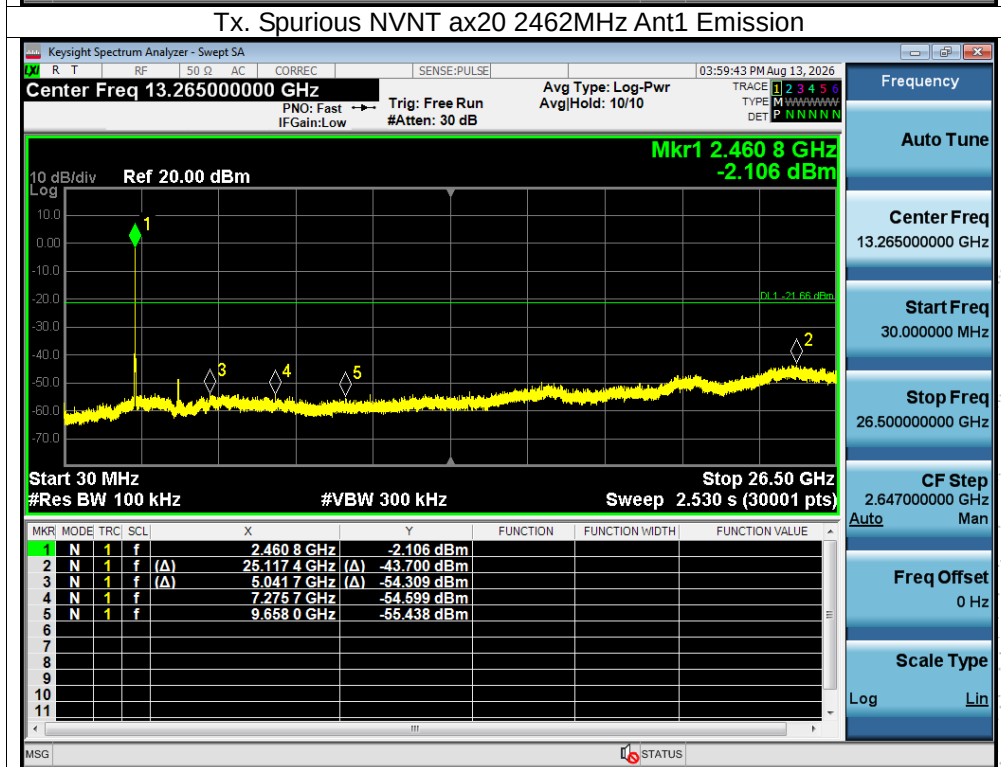
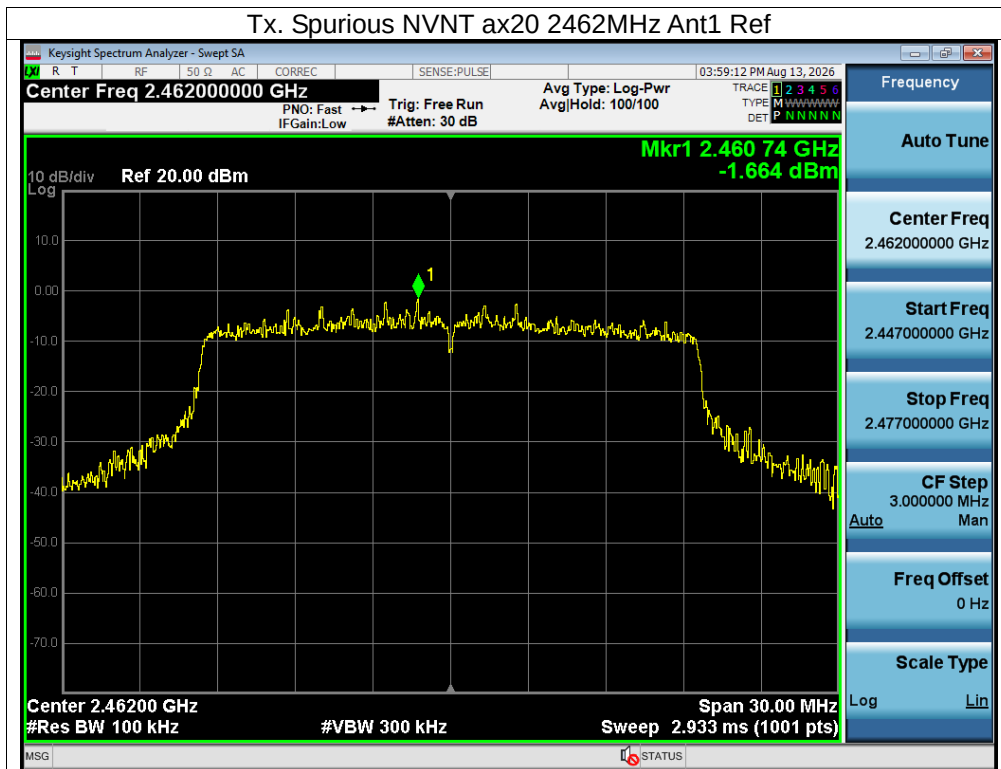


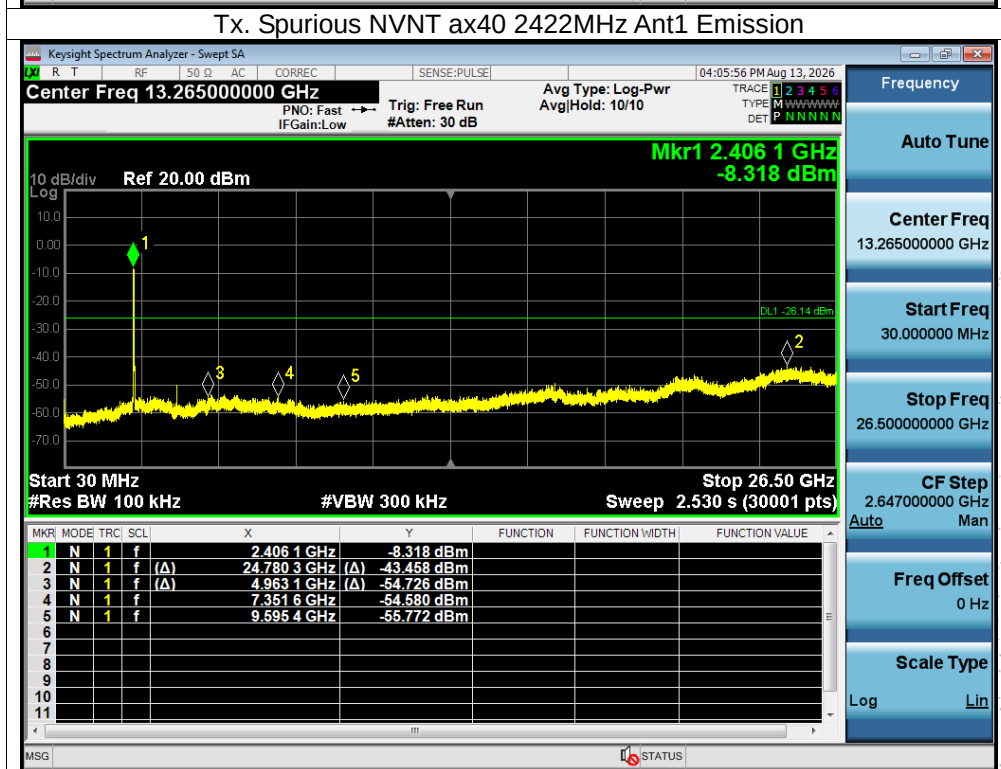
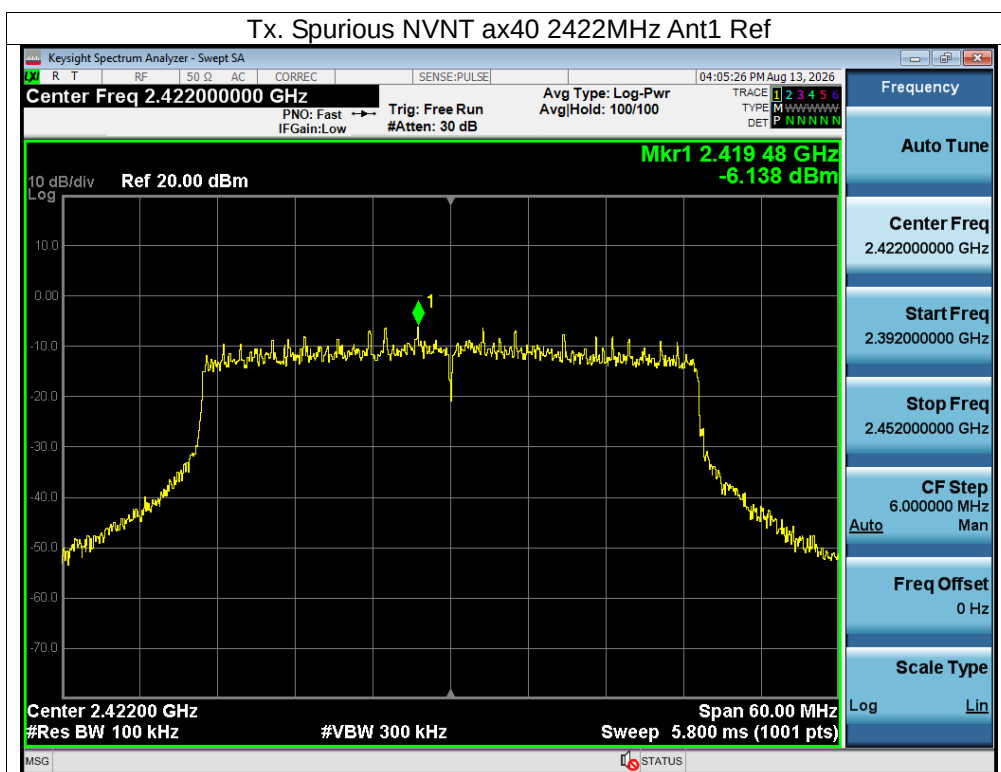
Tx. Spurious NVNT n40 2452MHz Ant1 Emission

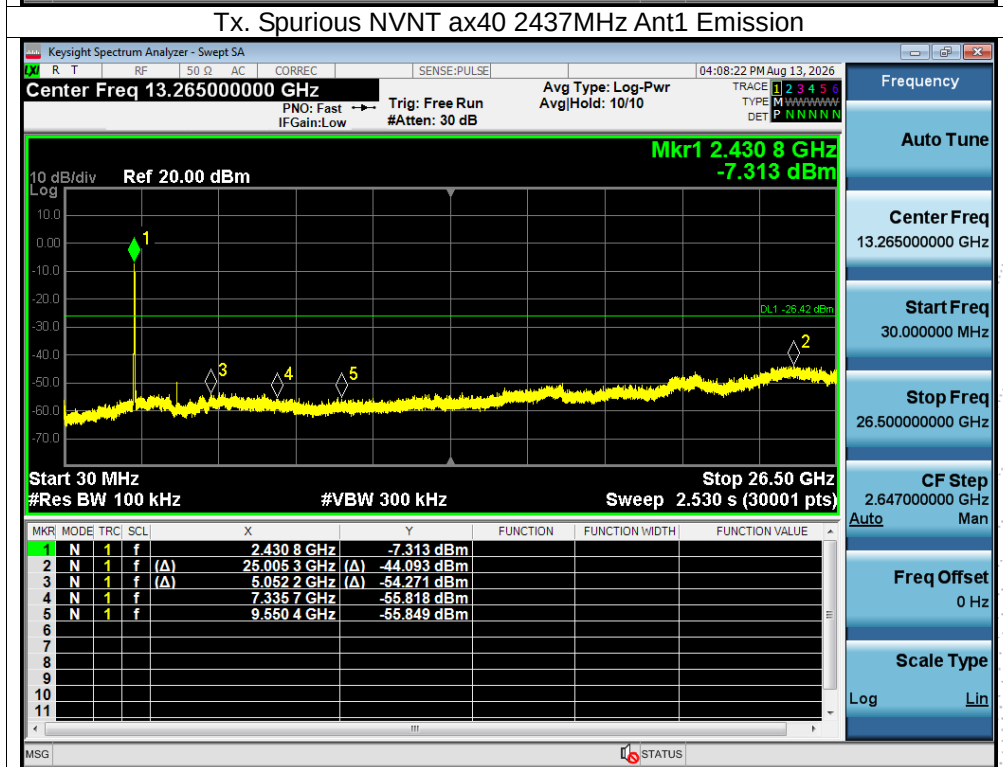
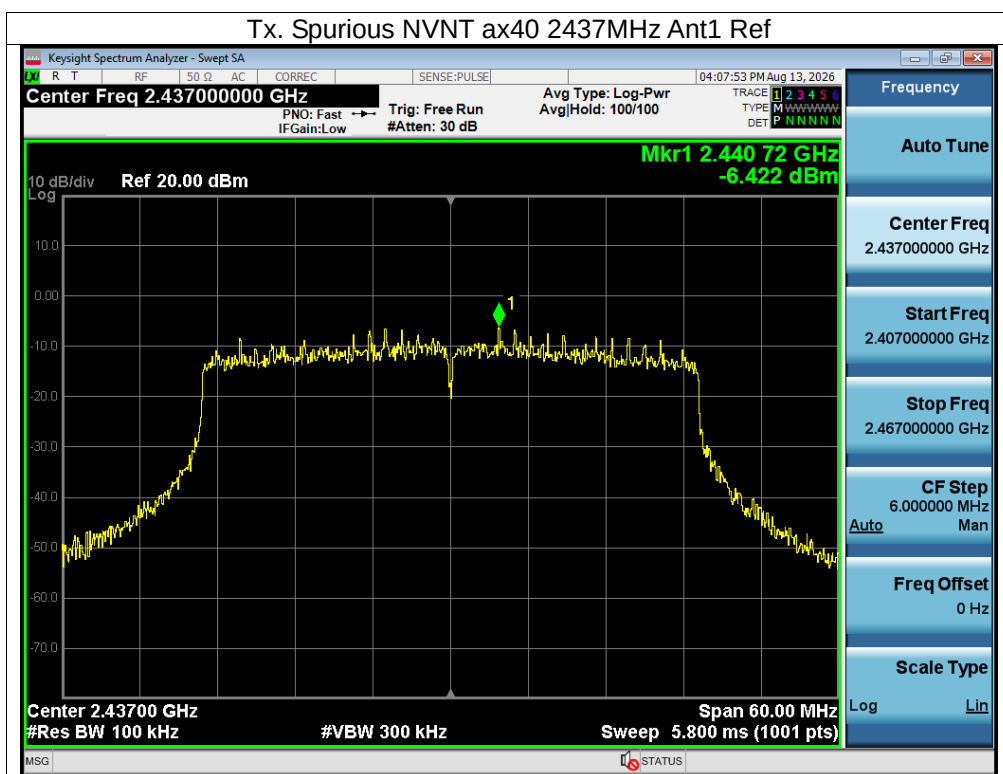


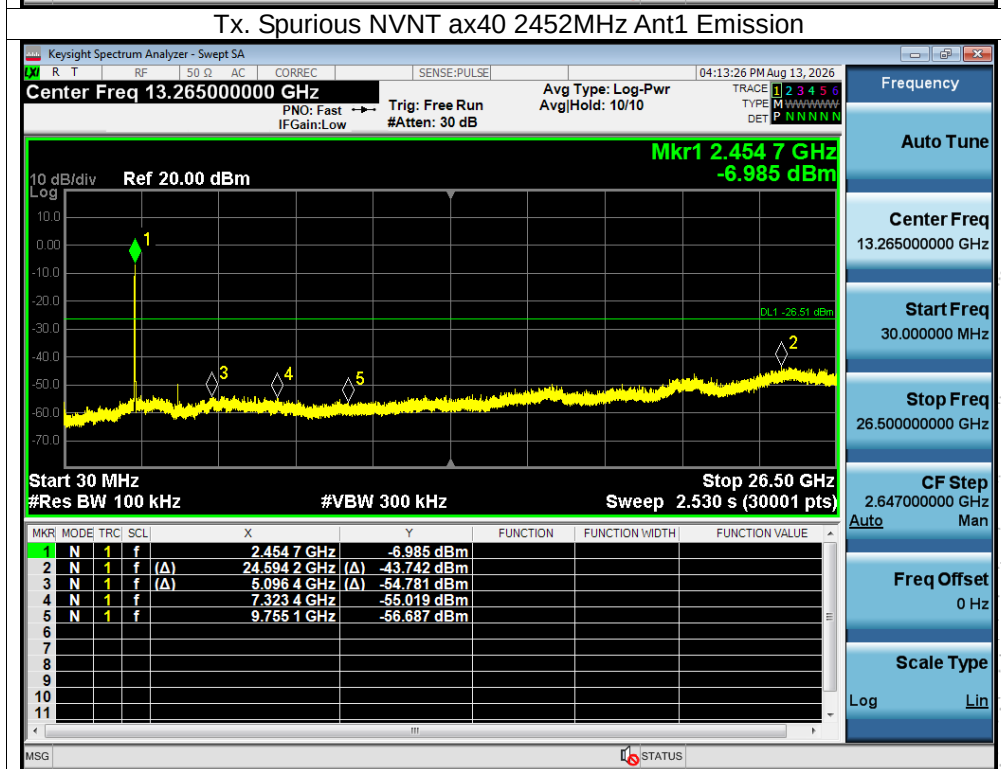
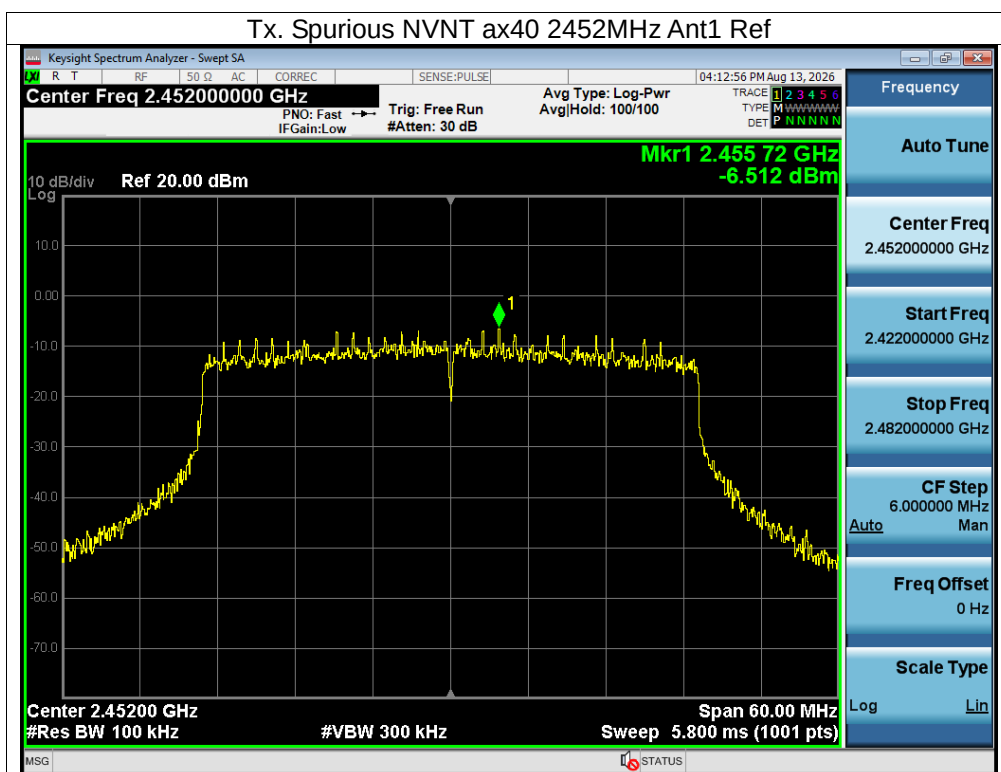












13. Duty Cycle Of Test Signal

13.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

13.2 Formula

$$\text{Duty Cycle} = T_{\text{on}} / (T_{\text{on}} + T_{\text{off}})$$

13.3 Test Procedure

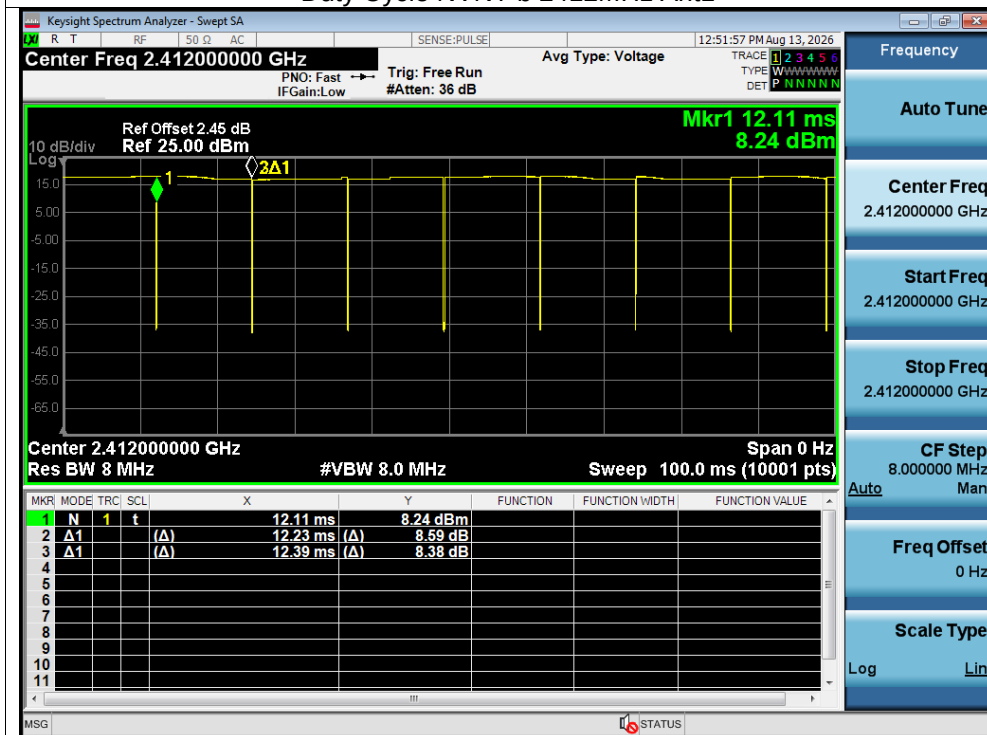
1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

13.4 Test Result

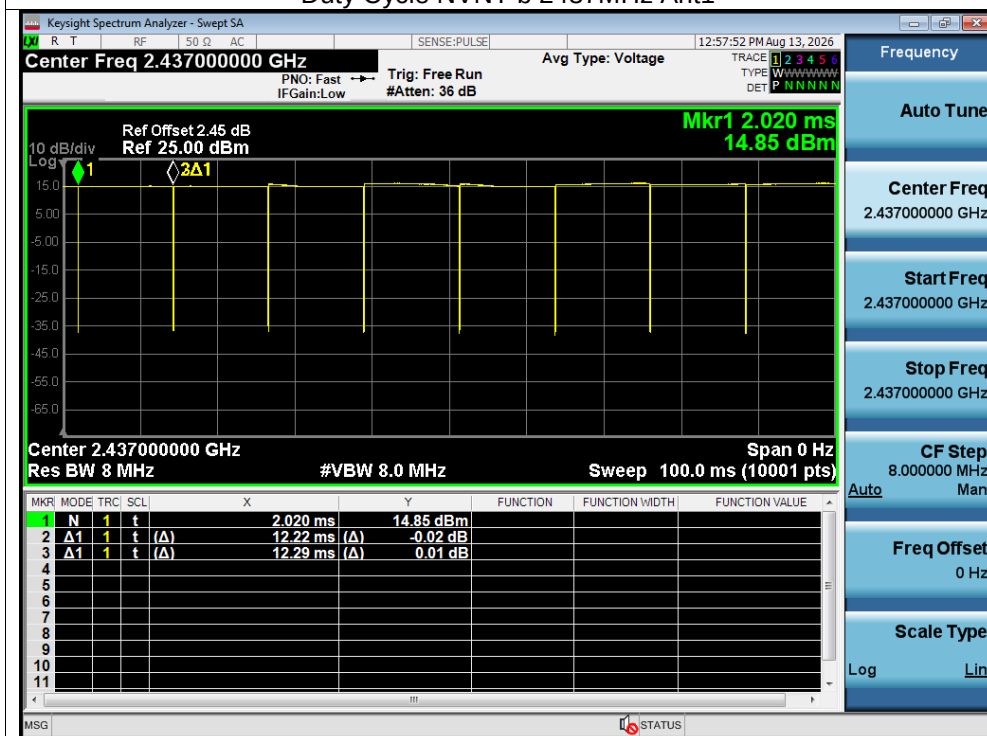
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	98.71	0.06	0.08
NVNT	b	2462	99.43	0.02	0.08
NVNT	g	2412	99.43	0.02	0.08
NVNT	g	2462	94.44	0.25	0.49
NVNT	n20	2412	92.69	0.33	0.49
NVNT	n20	2462	95.75	0.19	0.49
NVNT	n40	2422	90.05	0.46	0.53
NVNT	n40	2452	88.73	0.52	0.53
NVNT	ax20	2412	92.65	0.33	0.53
NVNT	ax20	2462	82.46	0.84	1.06
NVNT	Ax40	2422	85.32	0.69	1.08
NVNT	Ax40	2452	85.45	0.68	1.06

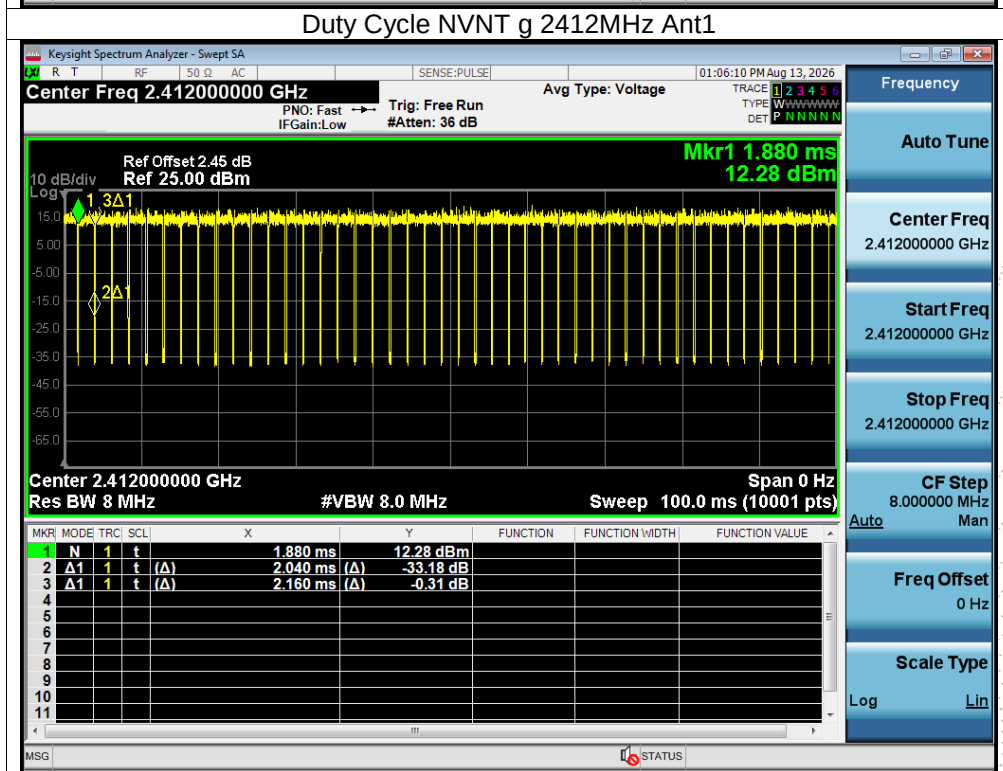
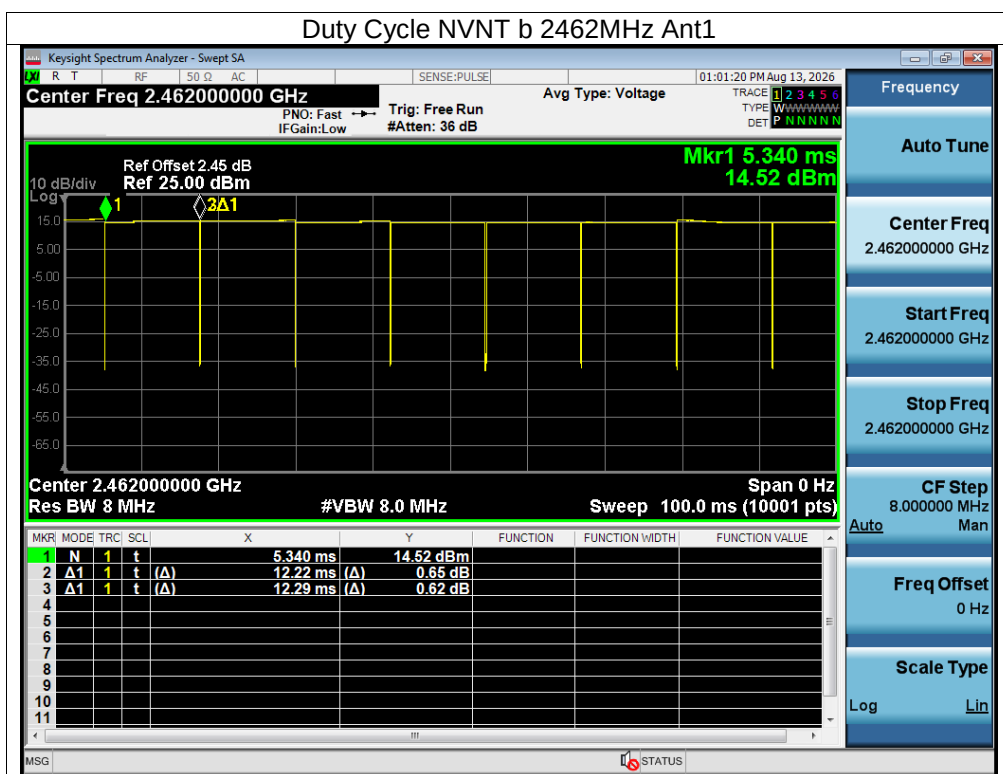
Test Graphs

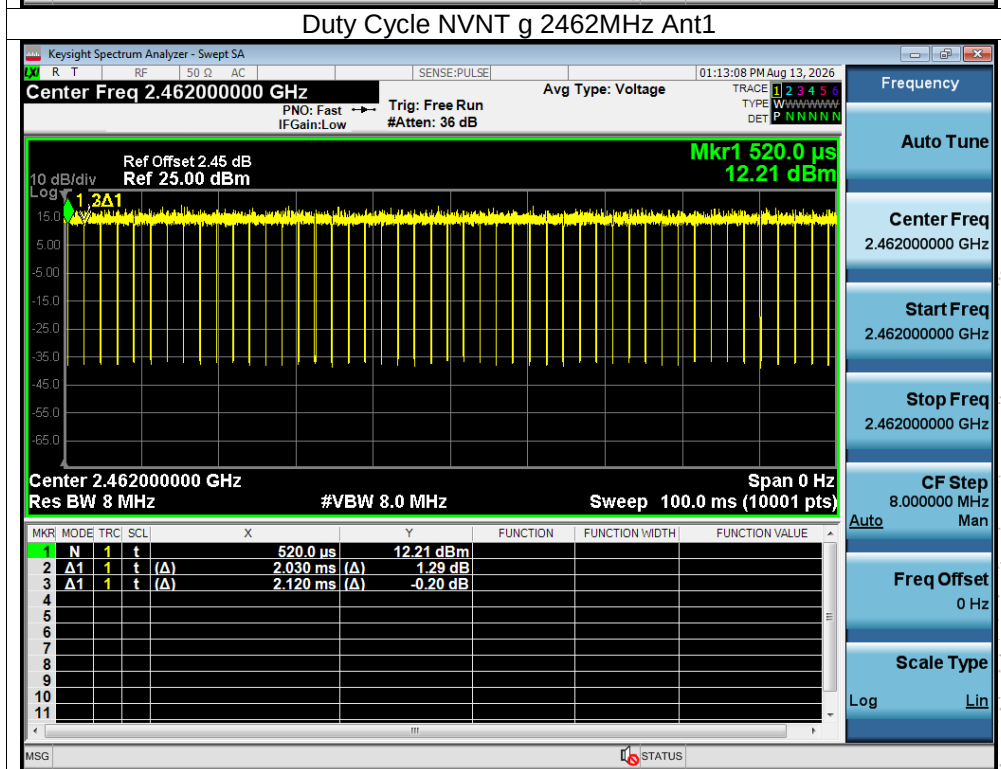
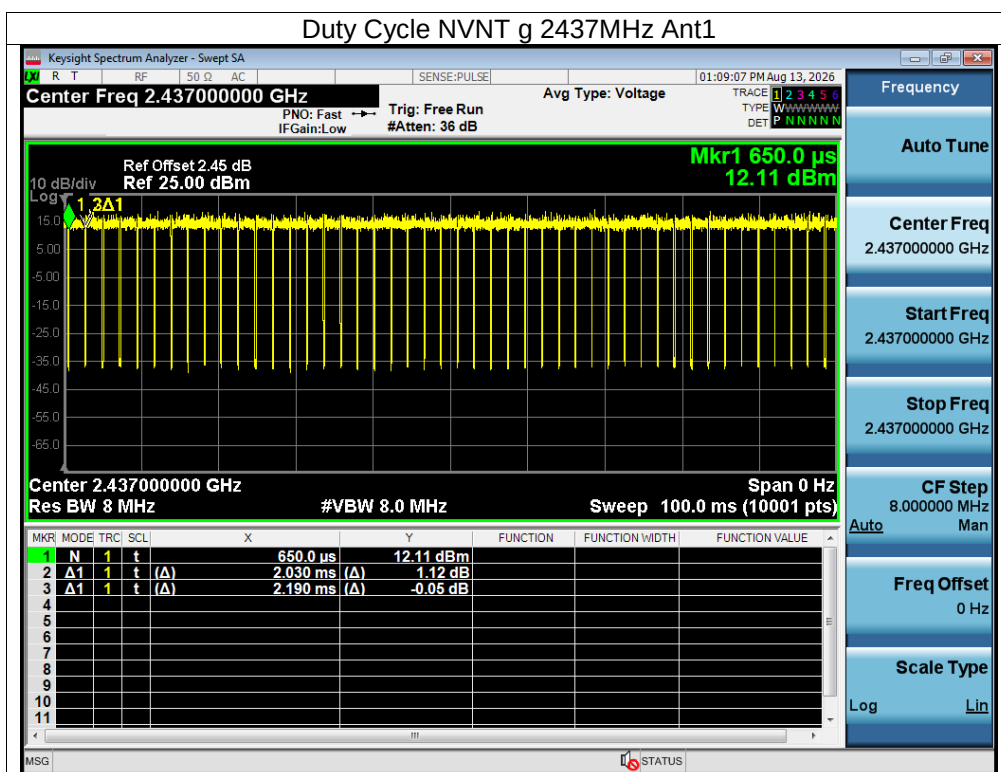
Duty Cycle NVNT b 2412MHz Ant1

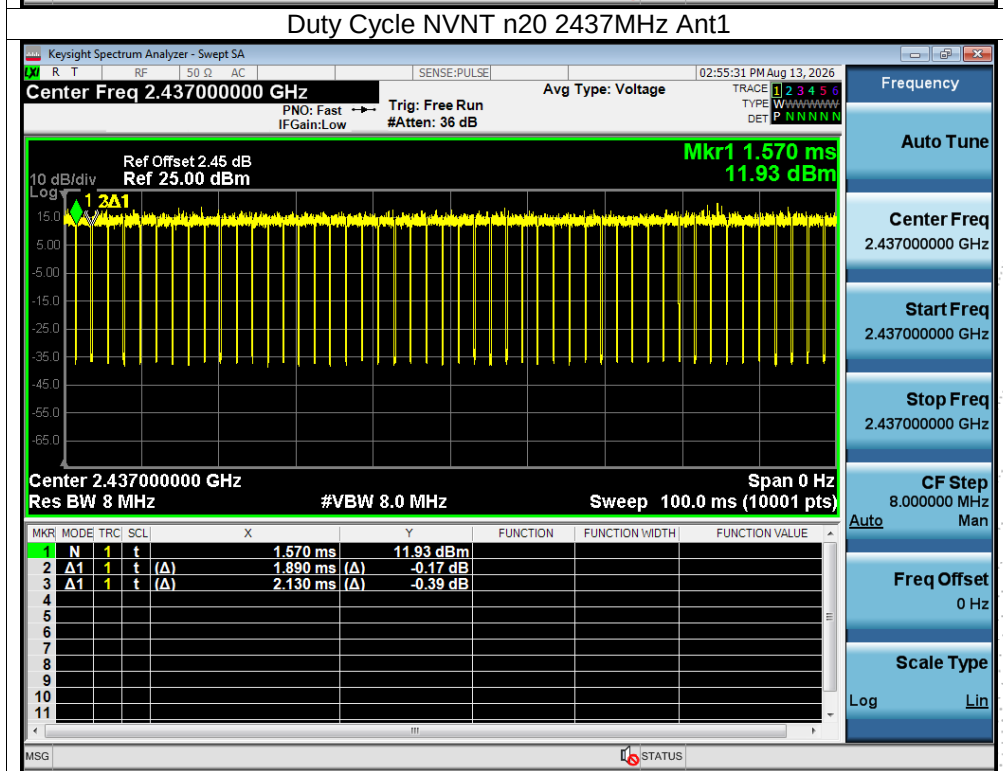
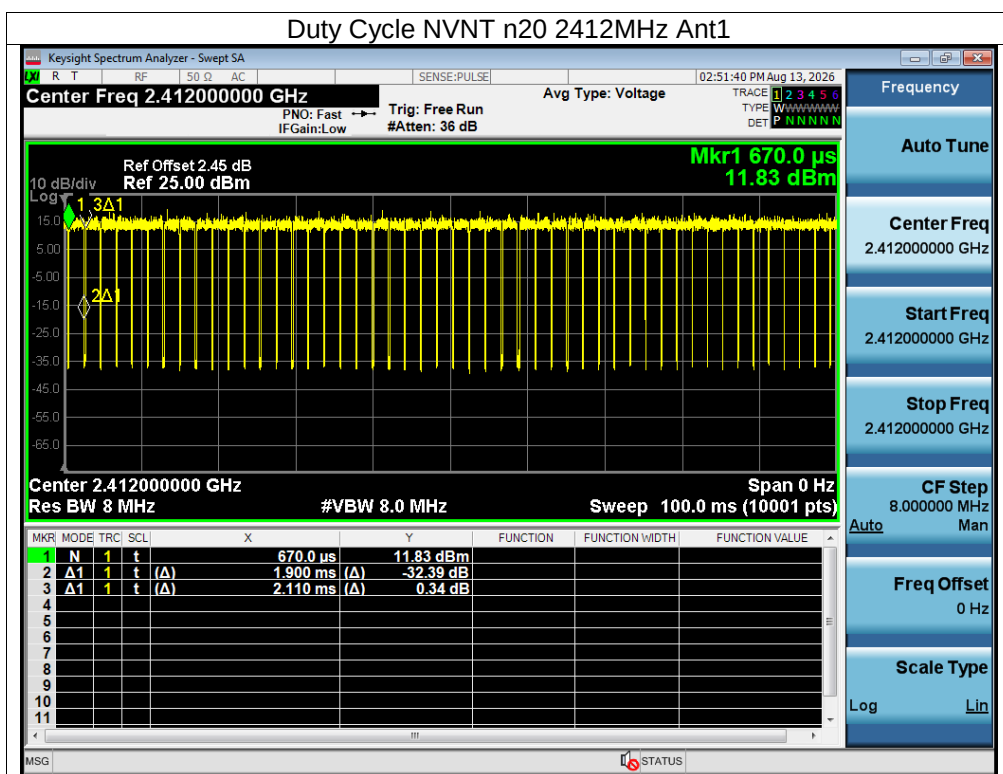


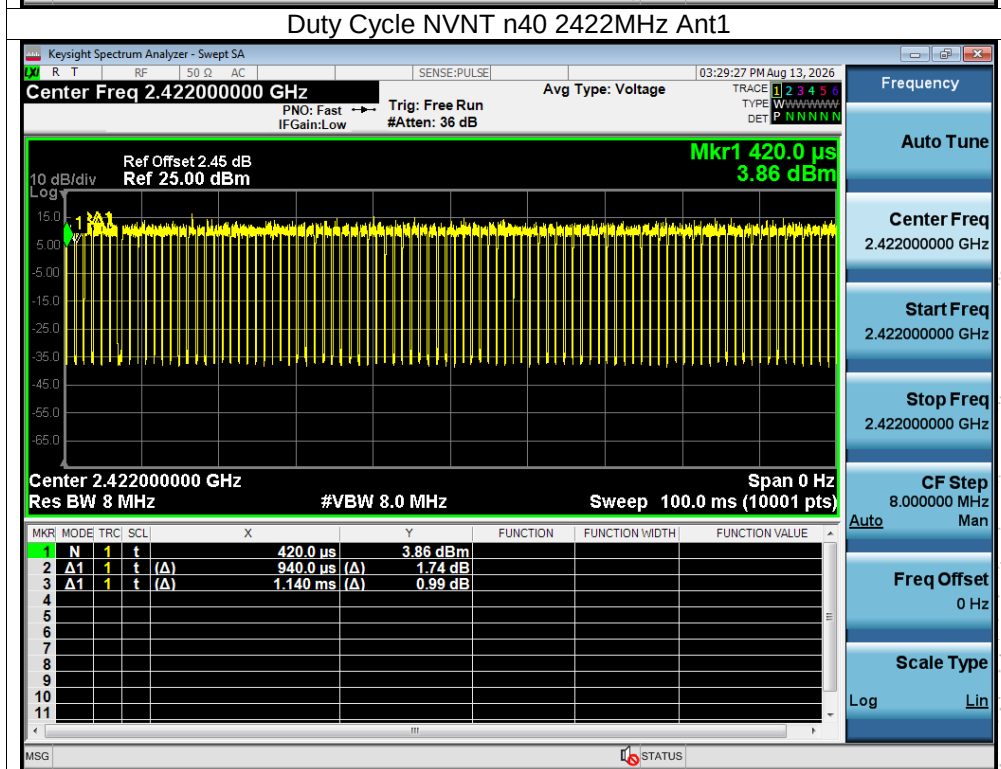
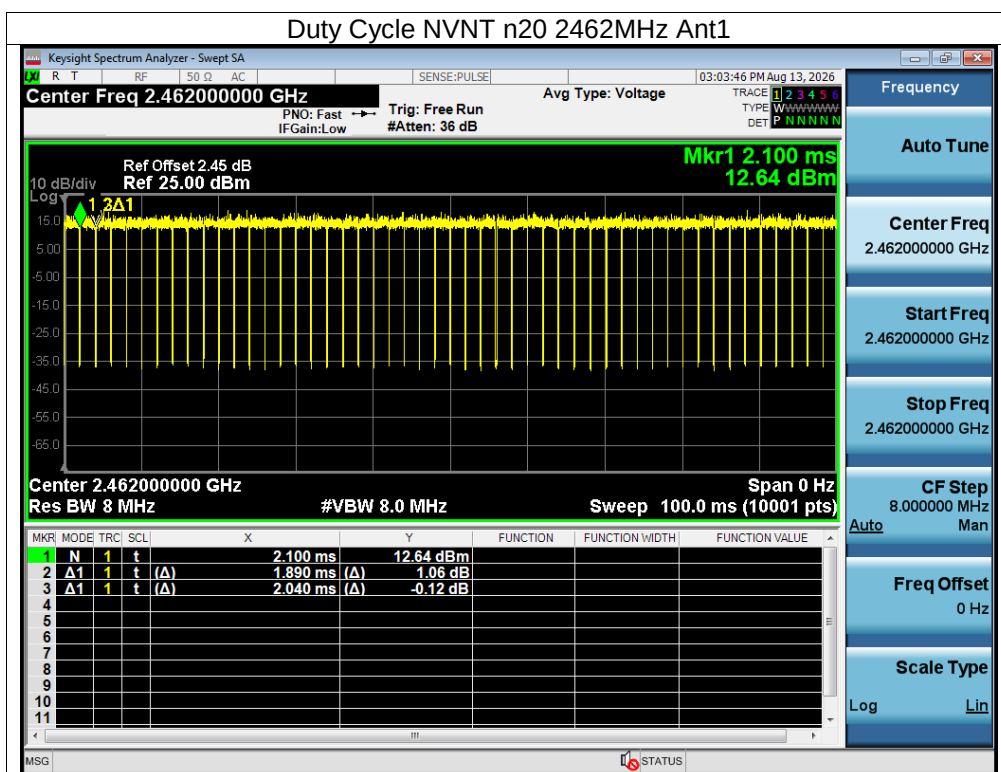
Duty Cycle NVNT b 2437MHz Ant1



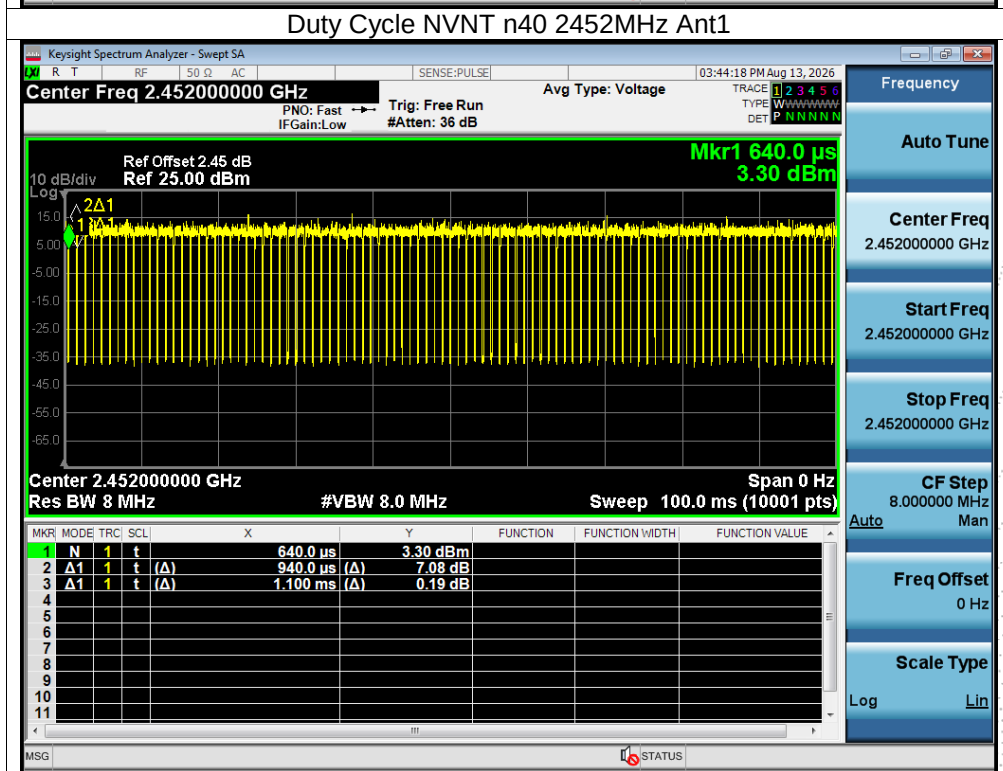
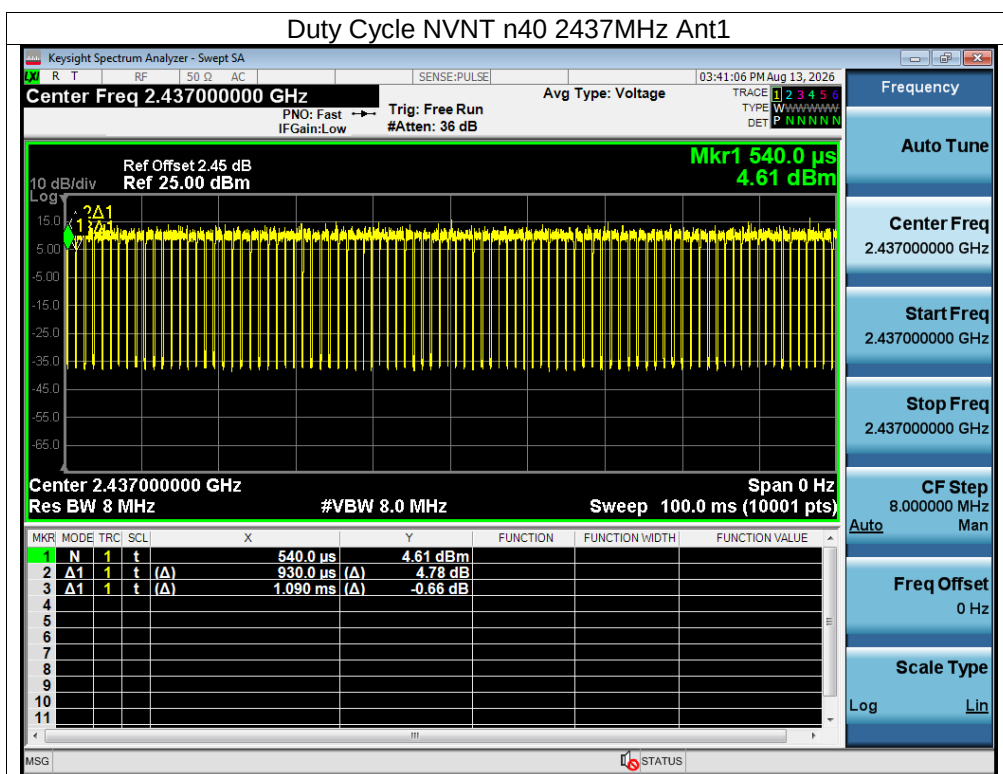


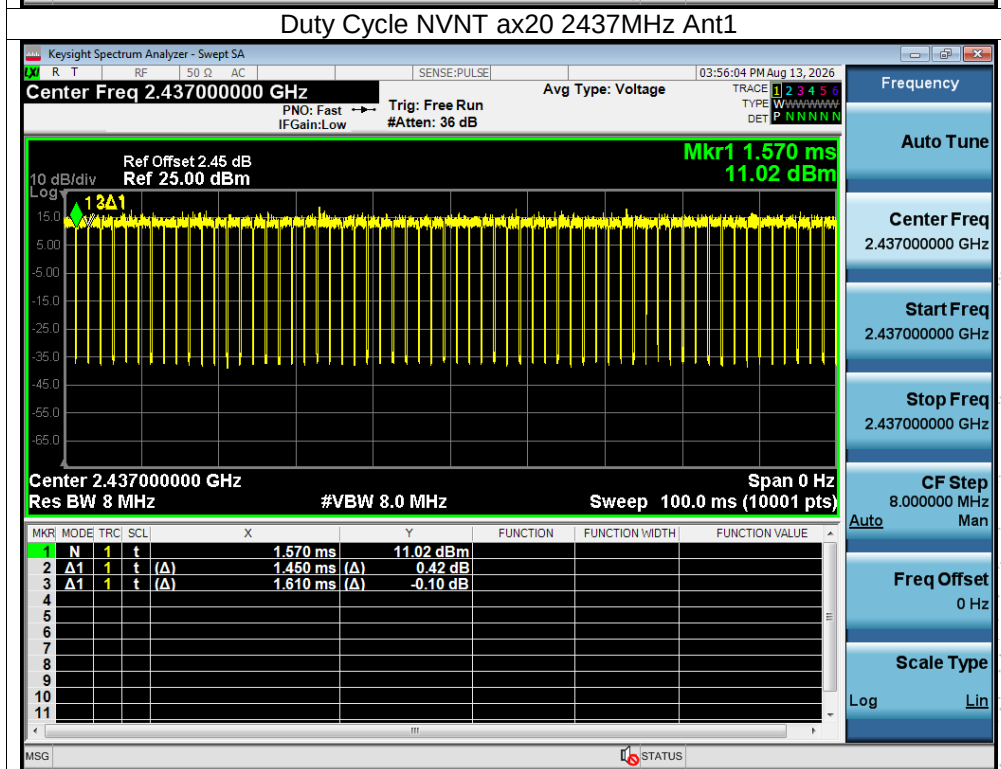
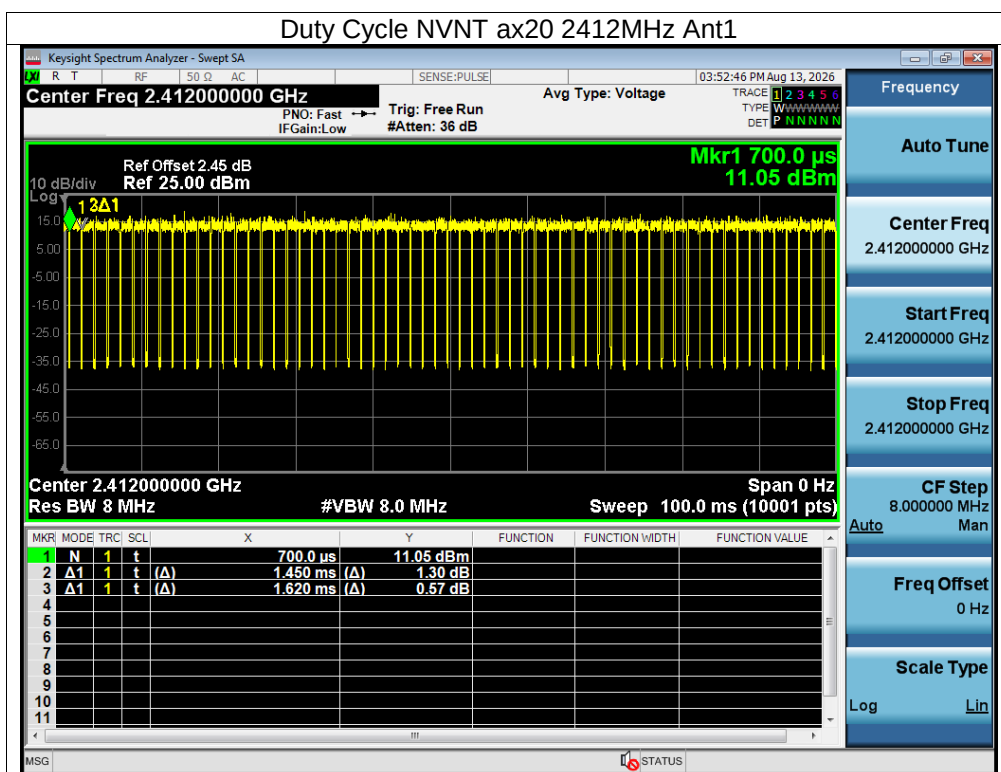


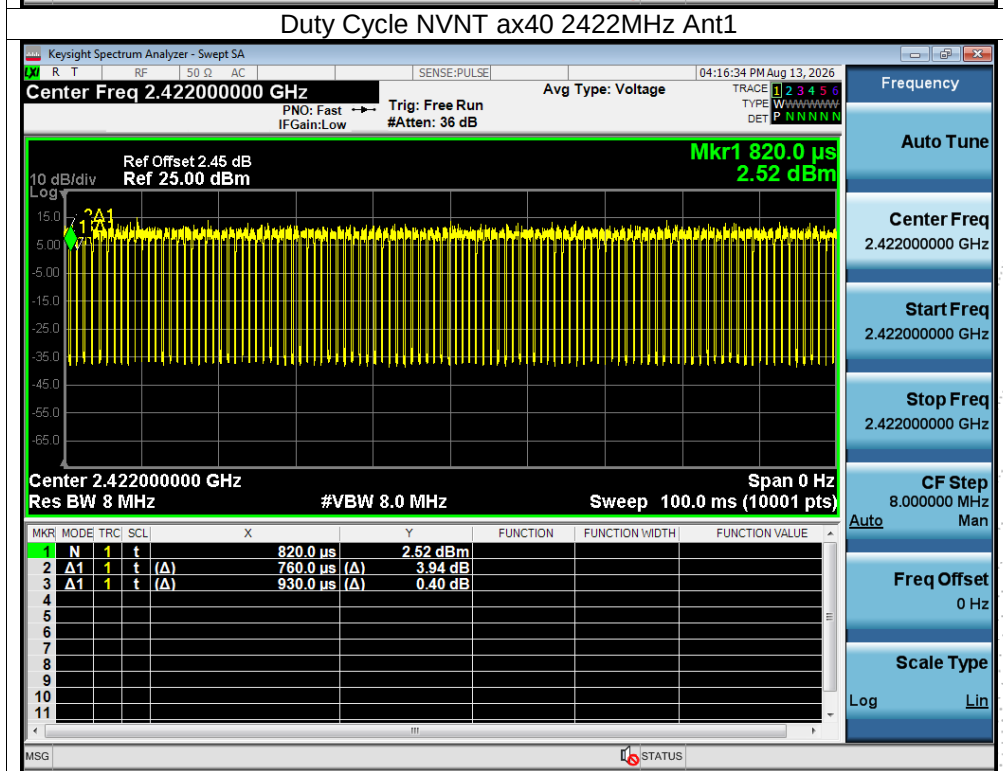
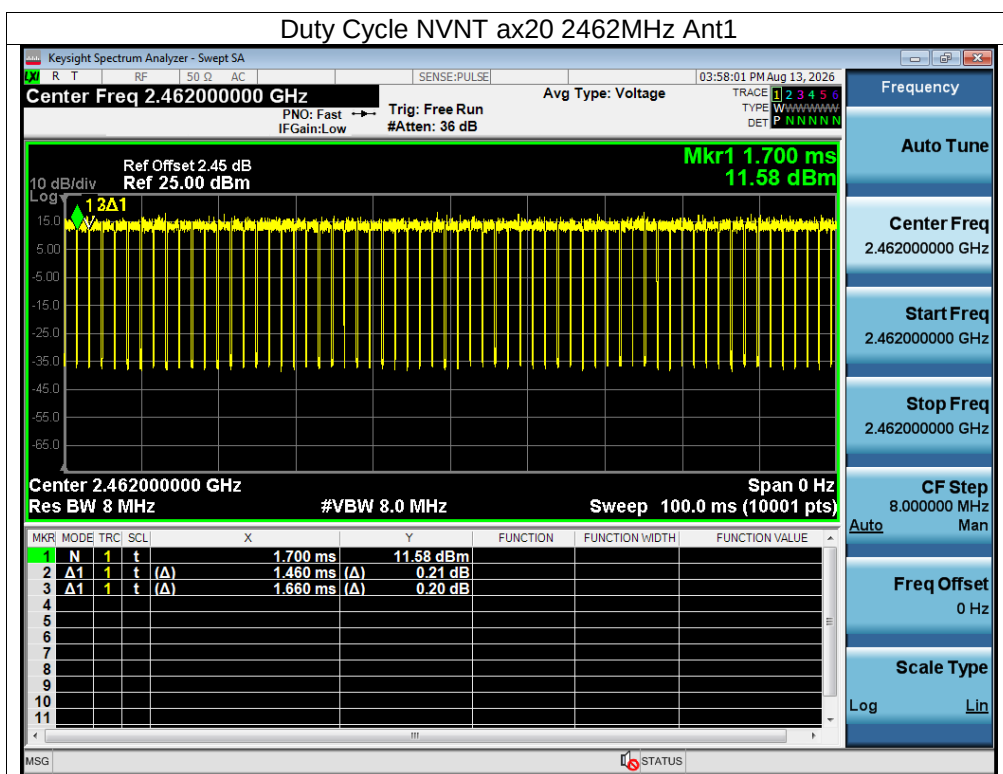


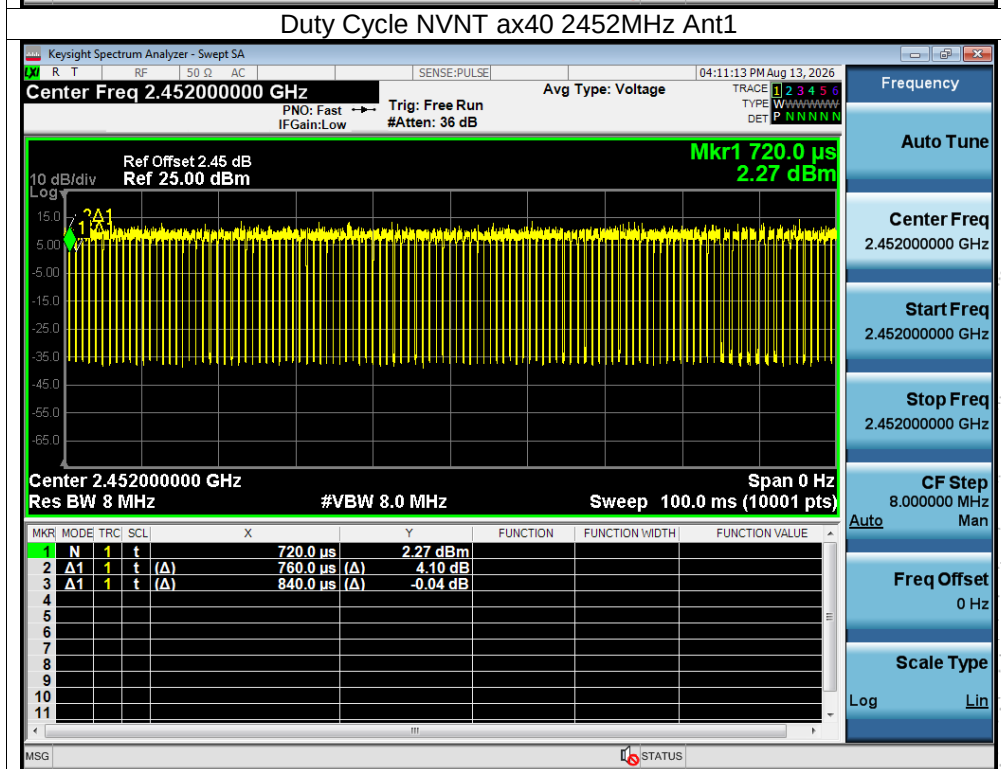
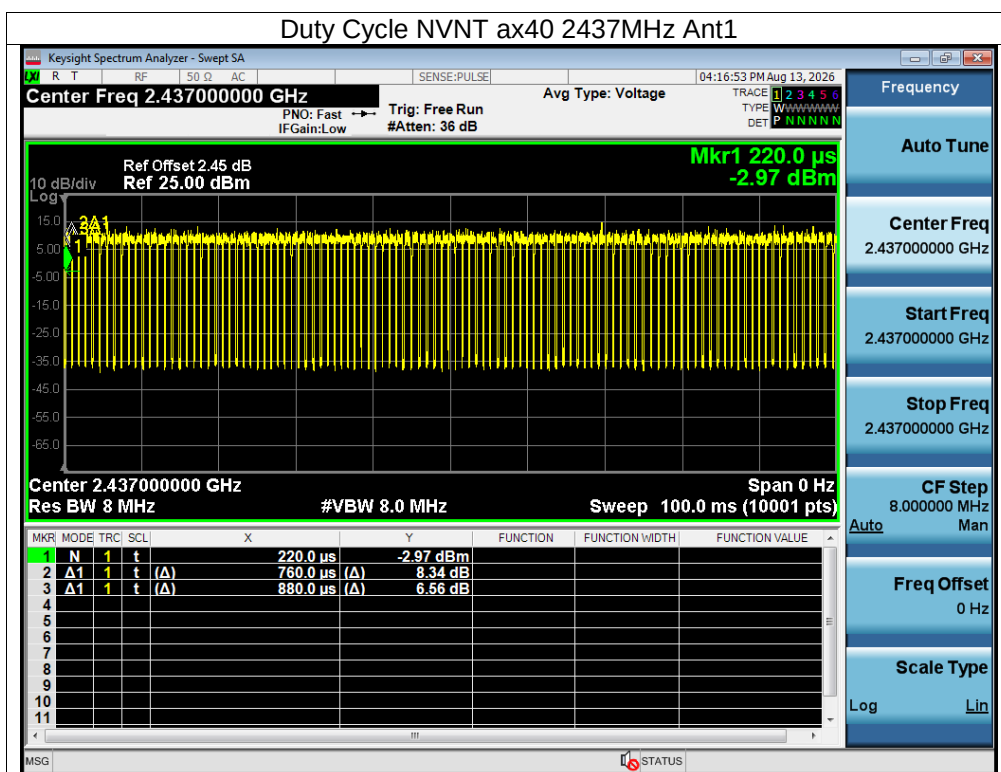


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14. Antenna Requirement

14.1 Limit

15.203 requirements:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

14.1 Test Result

The EUT antenna is FPC antenna, fulfill the requirement of this section.

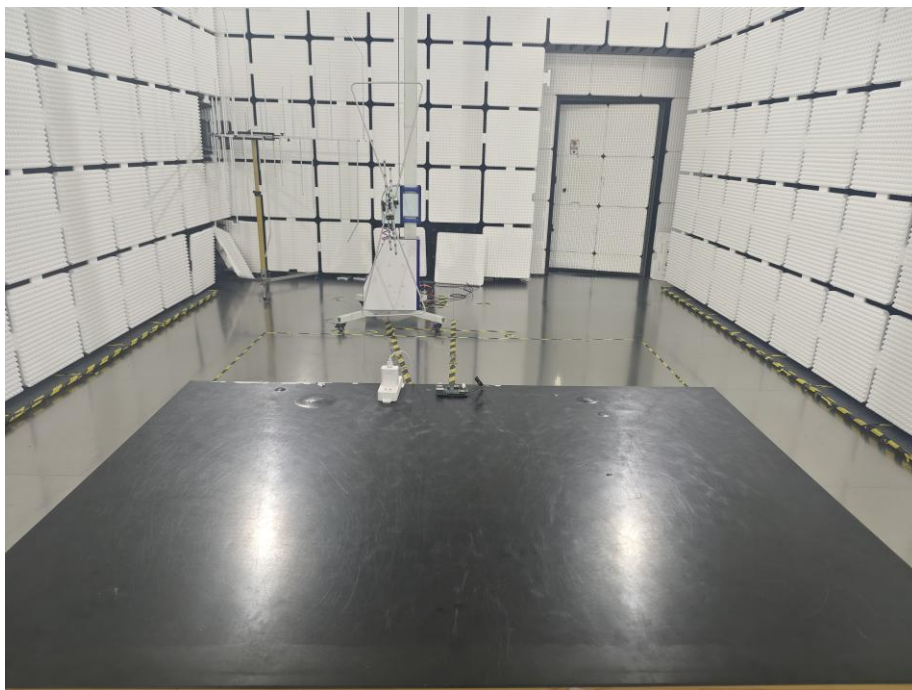
15. EUT Test Setup Photographs

Conducted emissions Photo



INNOVATION
C
ED
real

Radiated Measurement Photos



STATEMENT

1. The equipment lists are traceable to the International System of Units (SI)
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC 17025:2017.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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Consultation E-mail: bctc@bctc-lab.com.cn

Complaint/Advice E-mail: advice@bctc-lab.com.cn

***** END *****