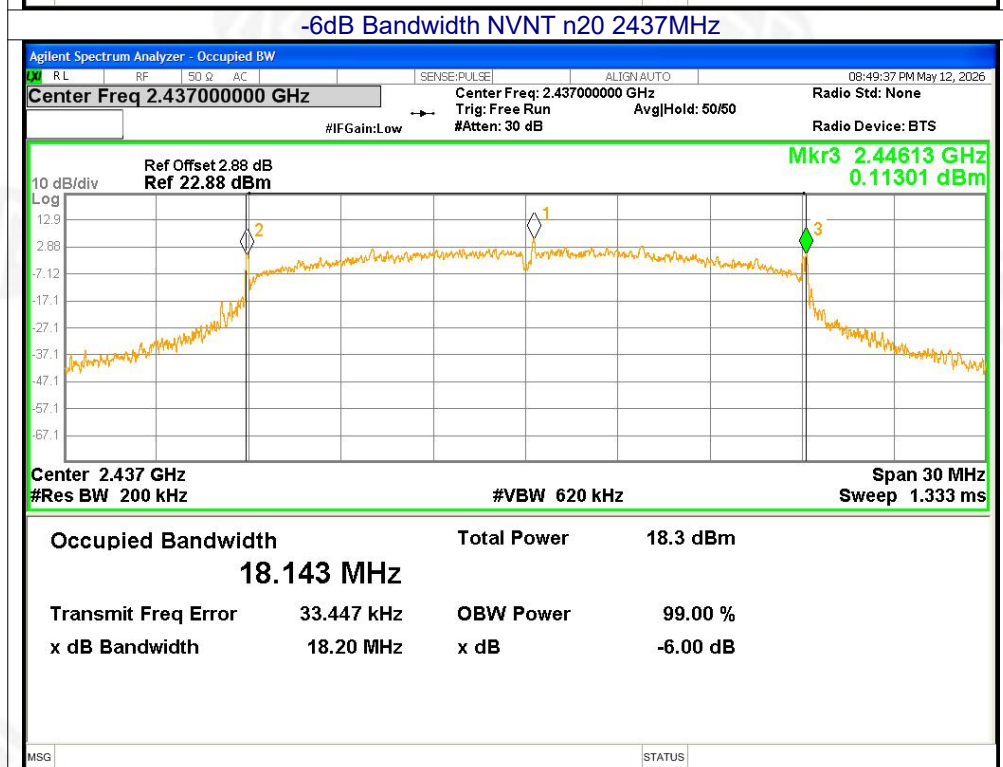
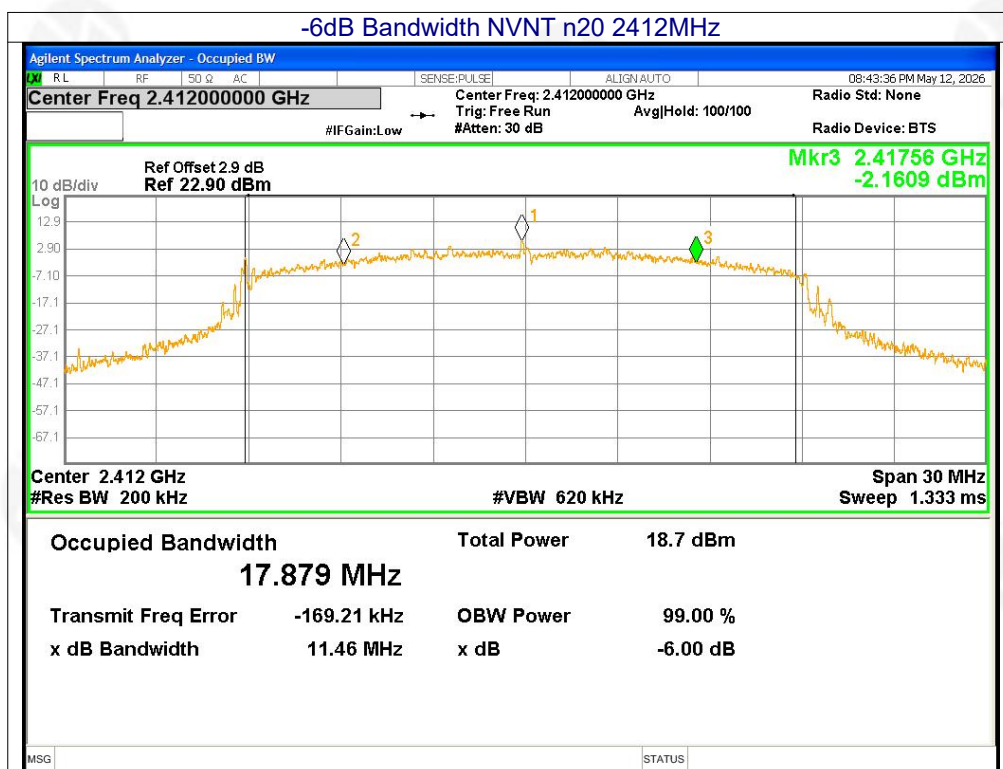
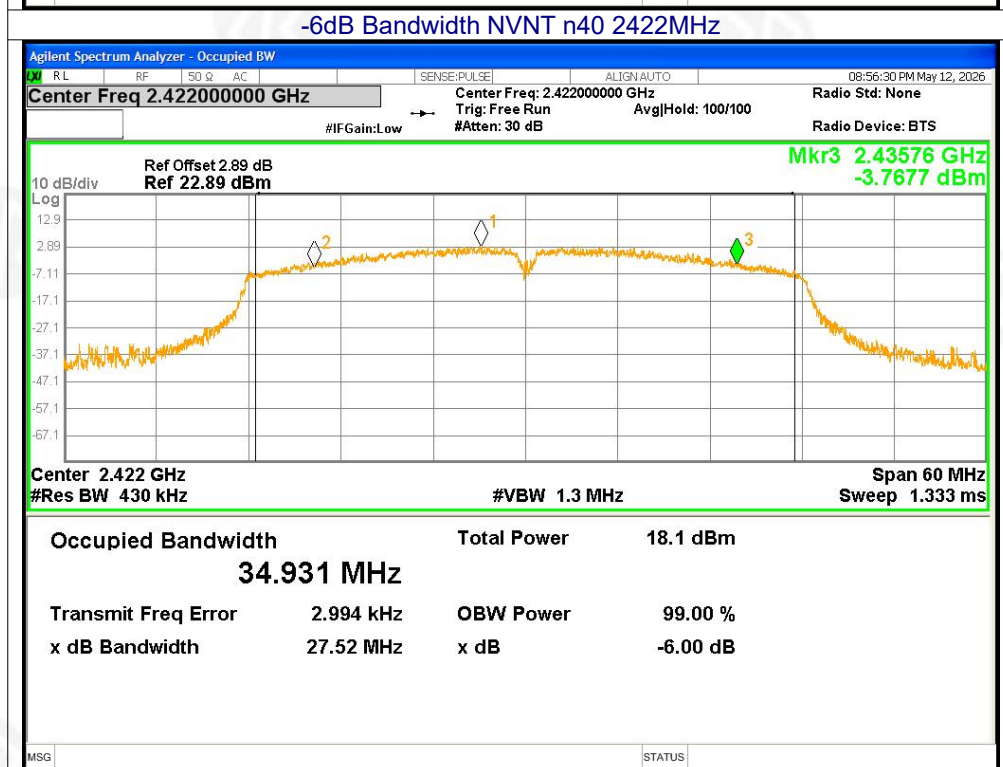
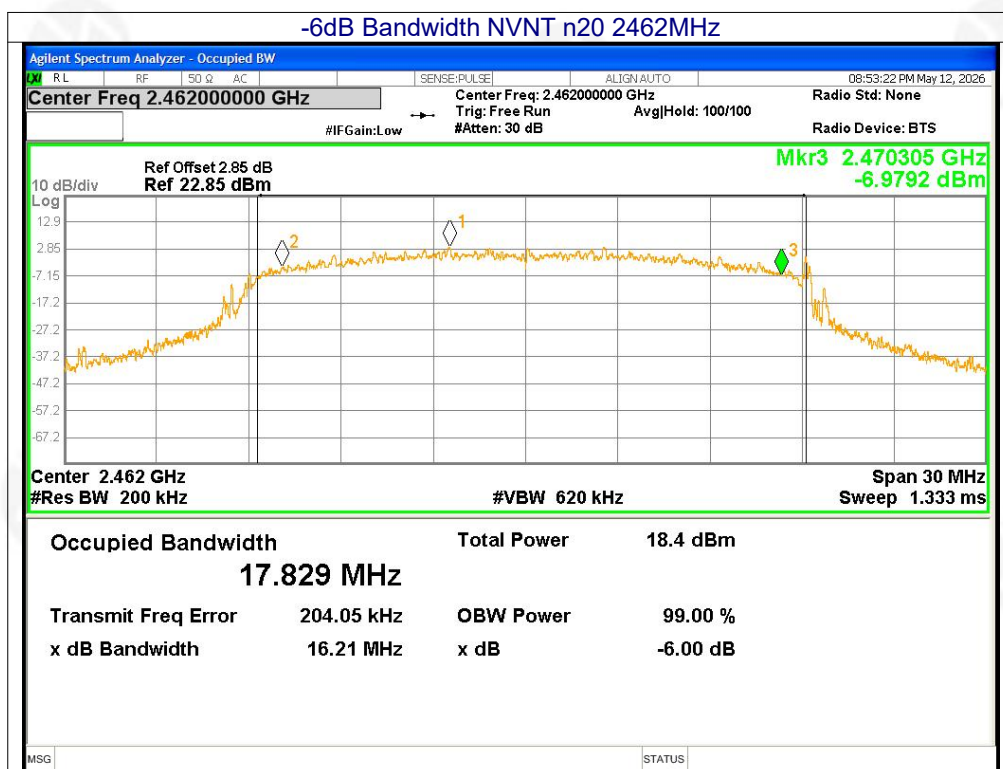
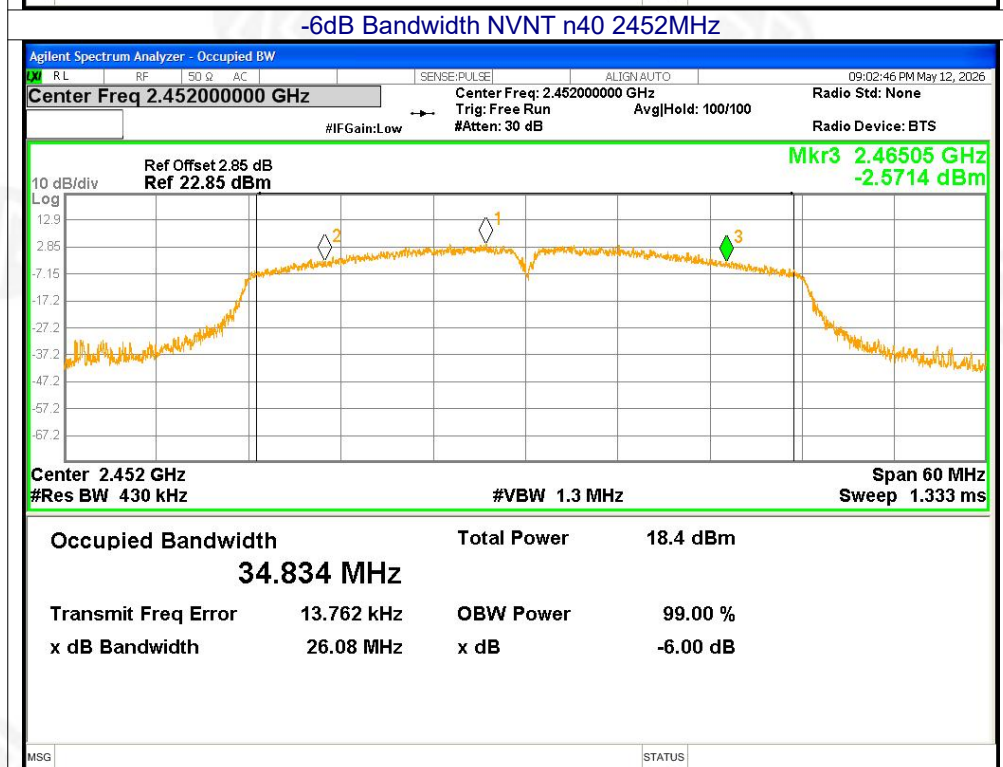
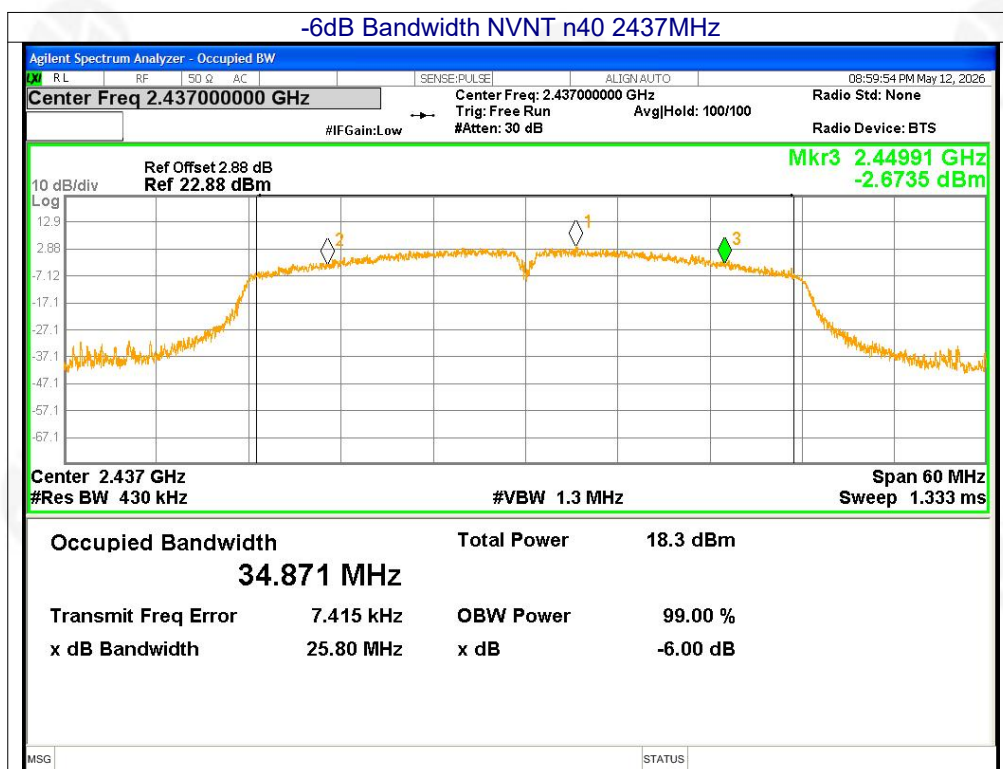
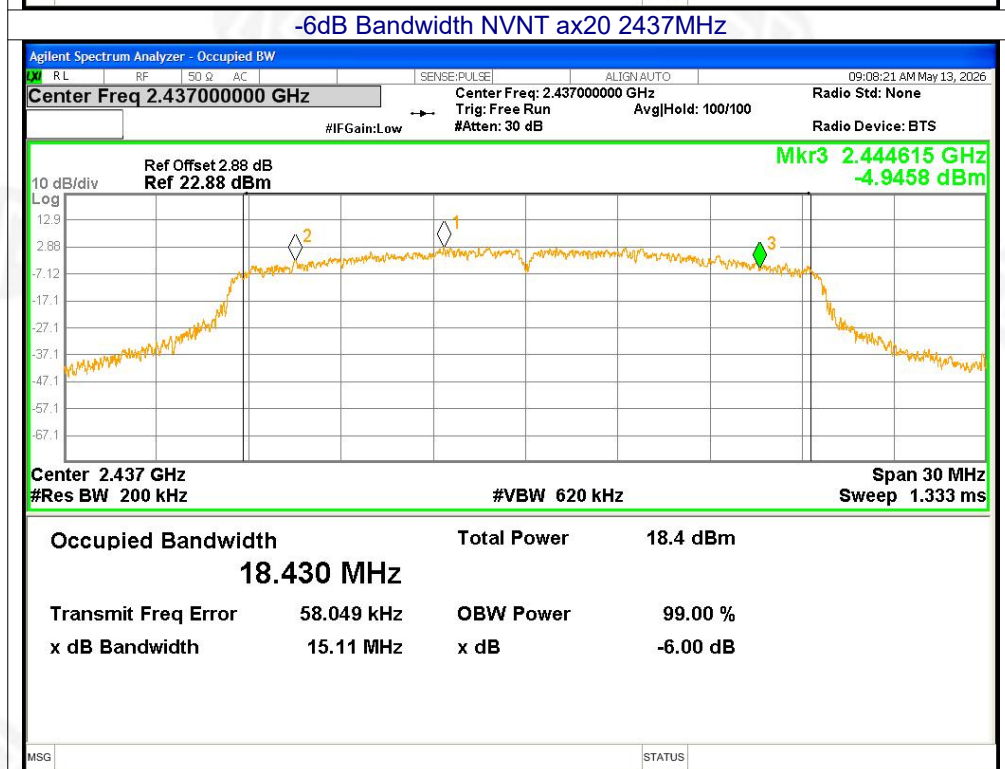
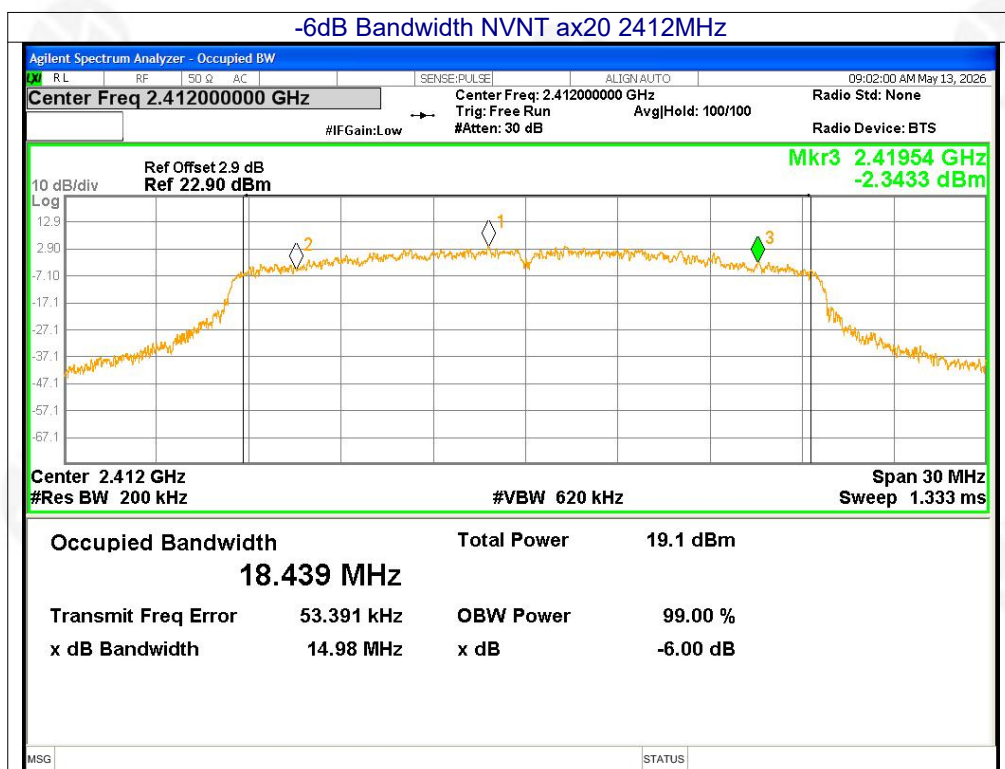
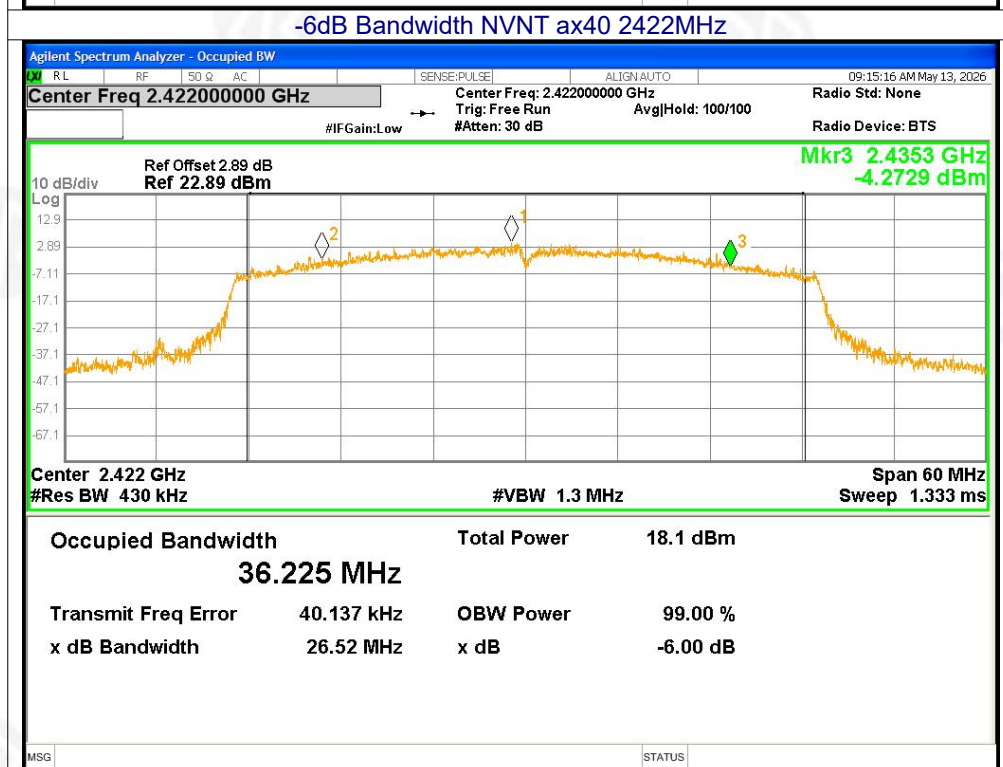
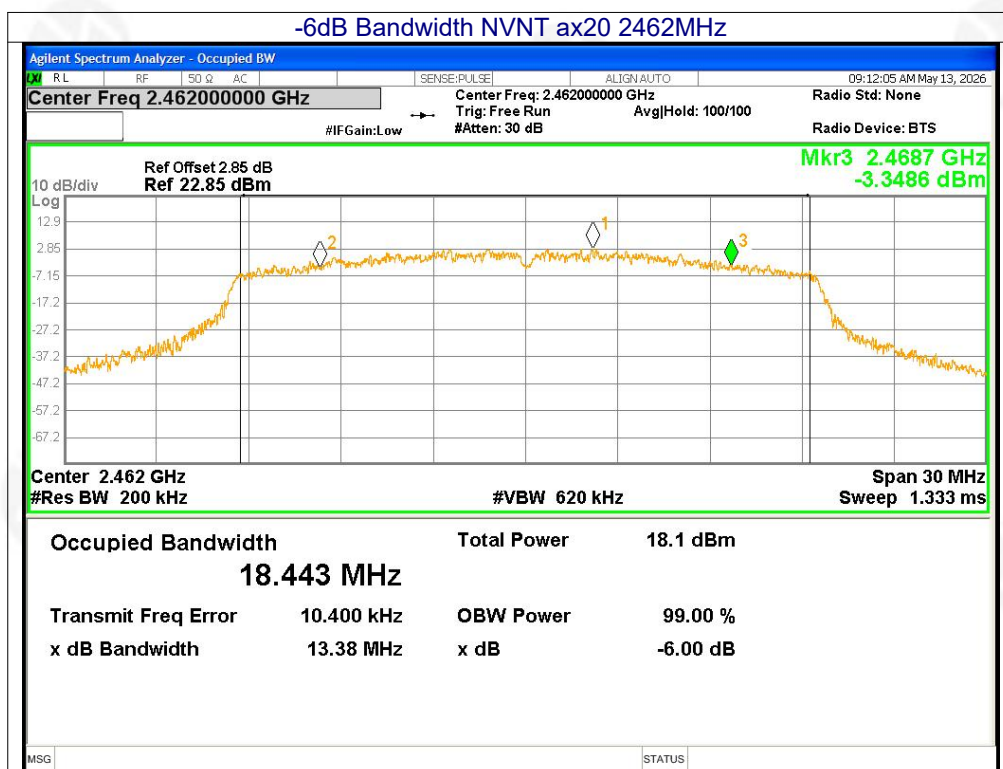


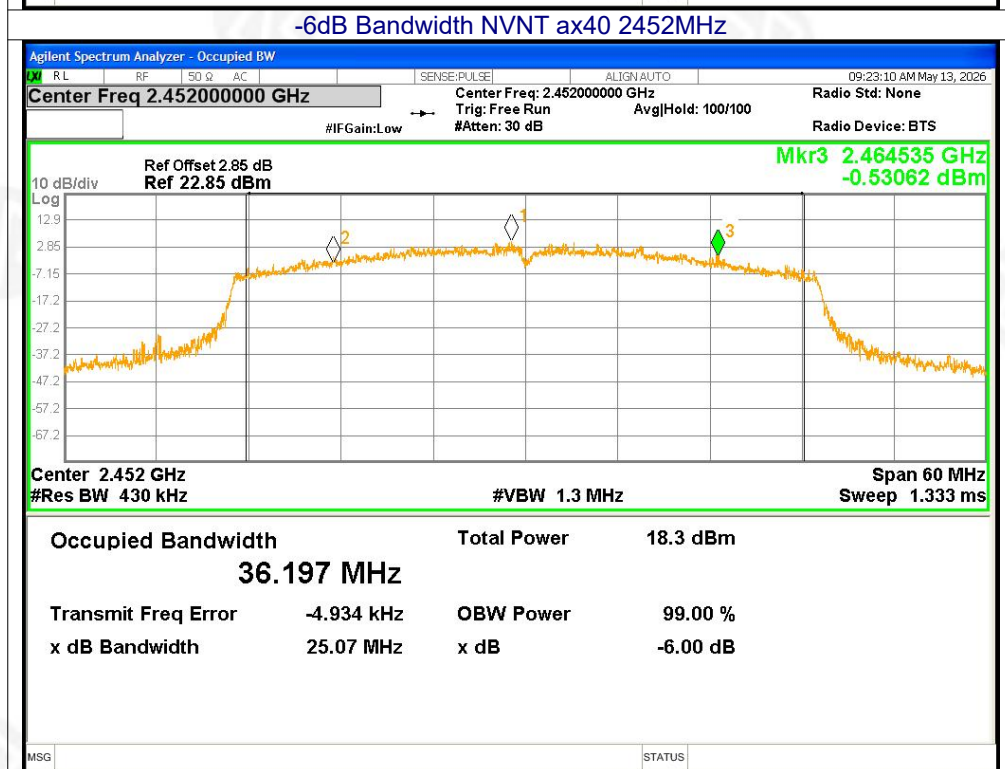
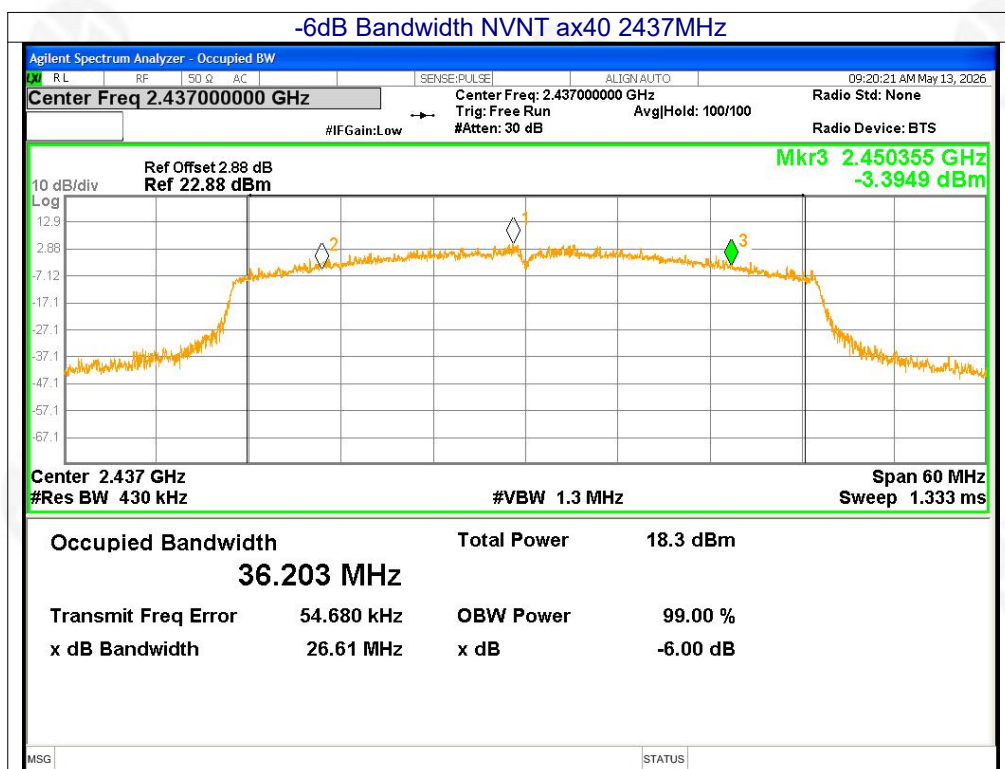














8. PEAK OUTPUT POWER TEST

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

8.1 APPLIED PROCEDURES/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

8.2 TEST PROCEDURE

- The EUT was directly connected to the Power meter

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 8.4 Unless otherwise a special operating condition is specified in the follows during the testing.



8.6 TEST RESULT

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	19.34	<=30	Pass
NVNT	b	2437	18.64	<=30	Pass
NVNT	b	2462	18.27	<=30	Pass
NVNT	g	2412	18.22	<=30	Pass
NVNT	g	2437	18.23	<=30	Pass
NVNT	g	2462	17.82	<=30	Pass
NVNT	n20	2412	18.27	<=30	Pass
NVNT	n20	2437	19.31	<=30	Pass
NVNT	n20	2462	19.28	<=30	Pass
NVNT	n40	2422	18.24	<=30	Pass
NVNT	n40	2437	18.33	<=30	Pass
NVNT	n40	2452	18.46	<=30	Pass
NVNT	ax20	2412	18.7	<=30	Pass
NVNT	ax20	2437	18.6	<=30	Pass
NVNT	ax20	2462	18.15	<=30	Pass
NVNT	ax40	2422	18.21	<=30	Pass
NVNT	ax40	2437	18.42	<=30	Pass
NVNT	ax40	2452	18.28	<=30	Pass



9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D0115.247 Meas Guidancev05r02

9.1 APPLICABLE STANDARD

in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in§15.205(a), must also comply with the radiated emission limits specified in15.209(a).

9.2 TEST PROCEDURE

A. Reference level measurement, establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW = $[3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

B. Emission level measurement, establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW = $[3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

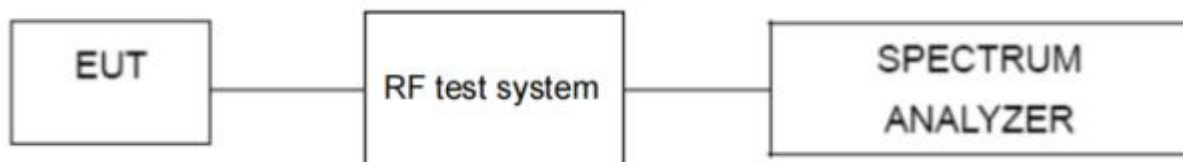
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.



9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

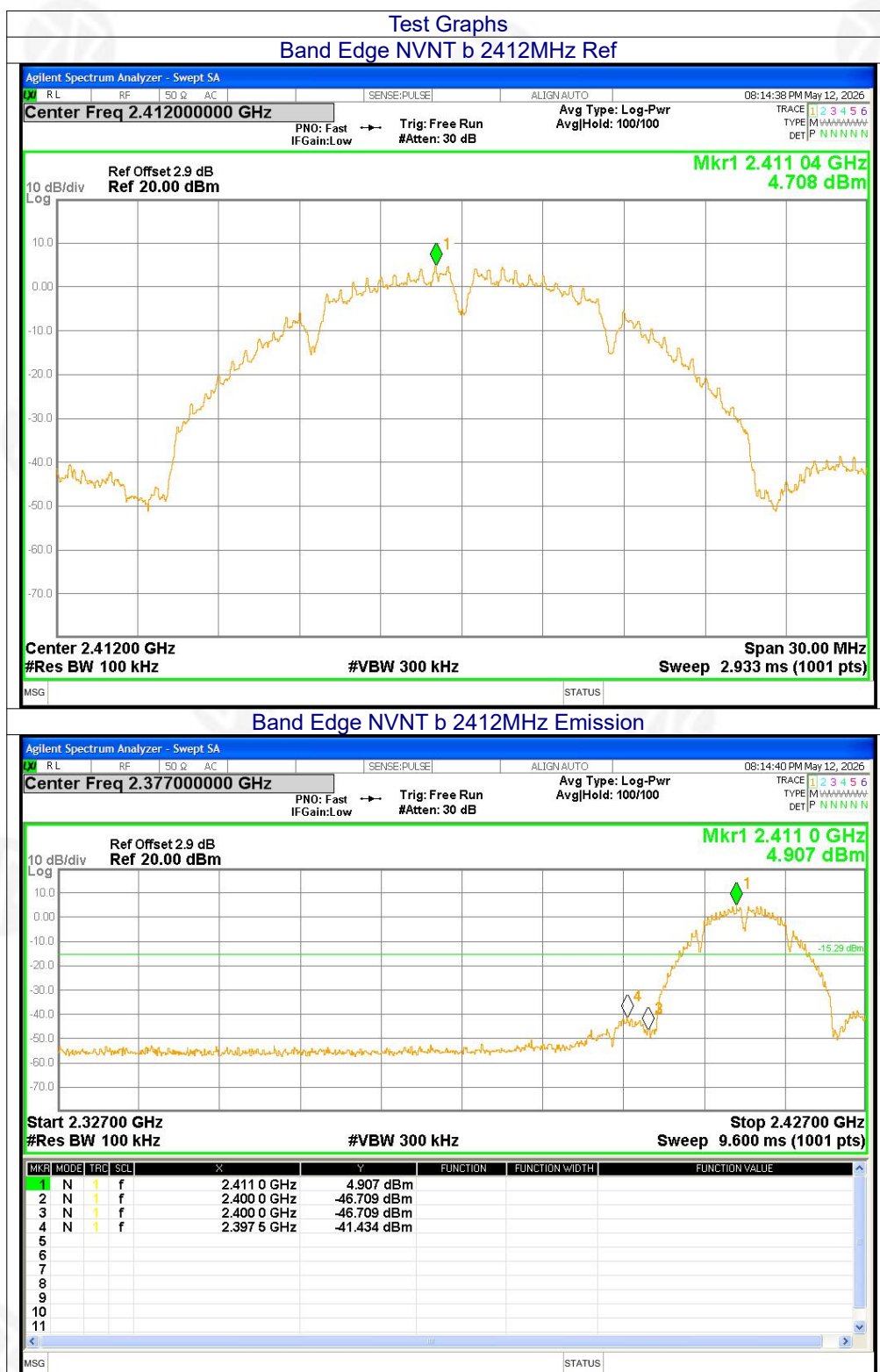
The EUT tested system was configured as the statements of 9.4 Unless otherwise a special operating condition is specified in the follows during the testing.

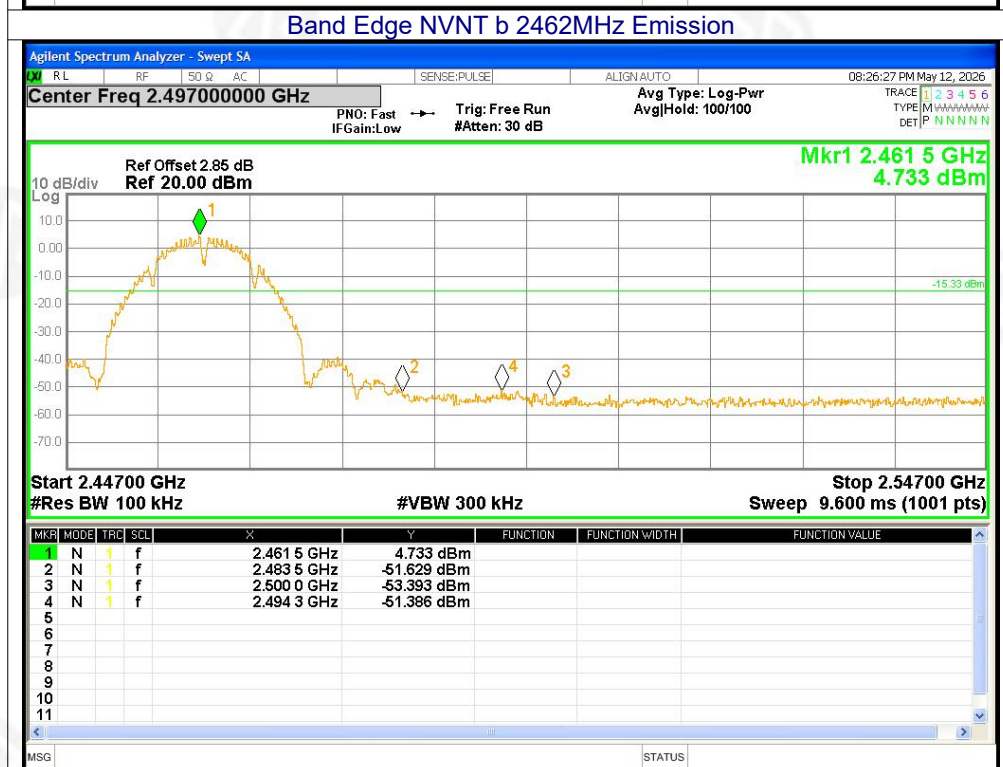
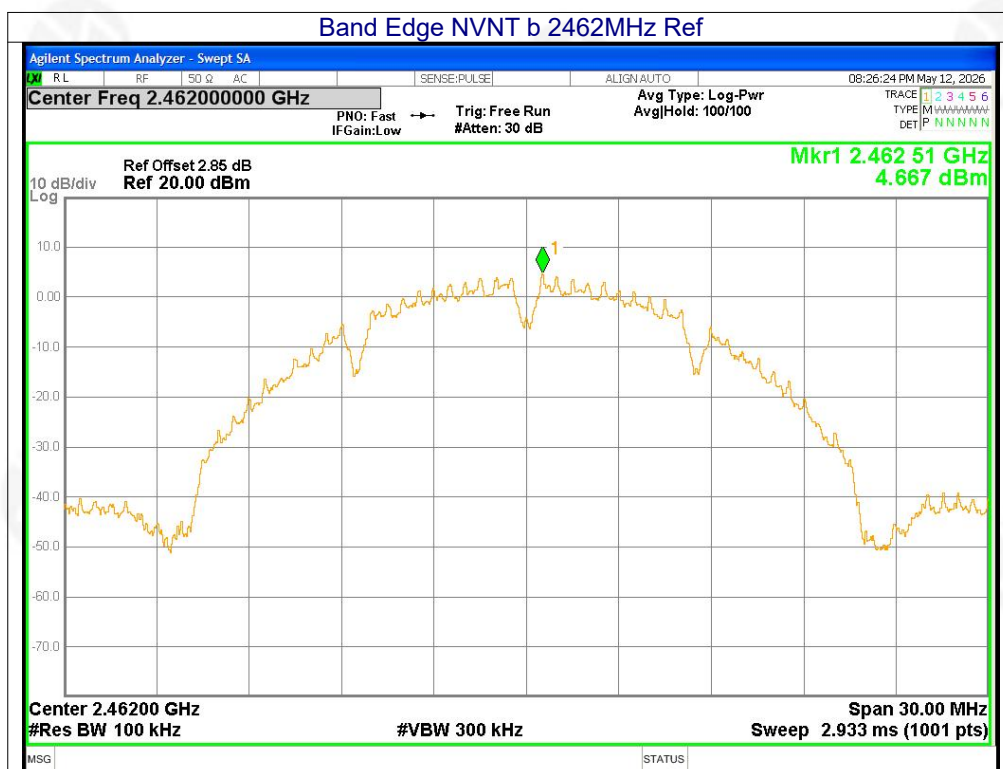


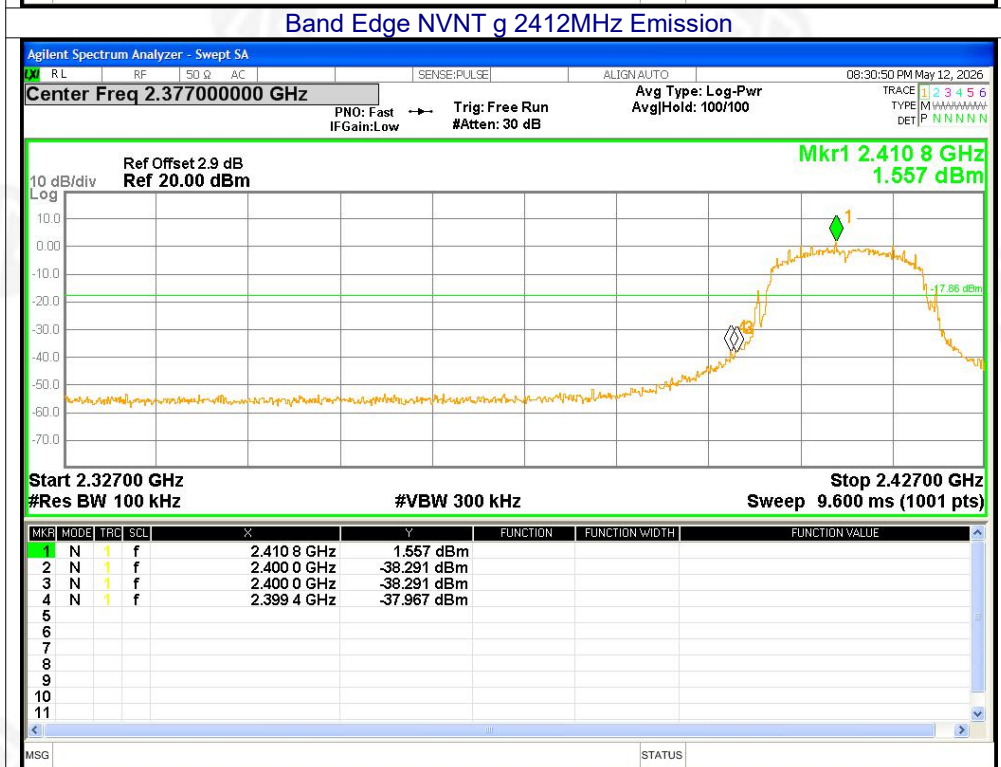
9.6 TEST RESULTS

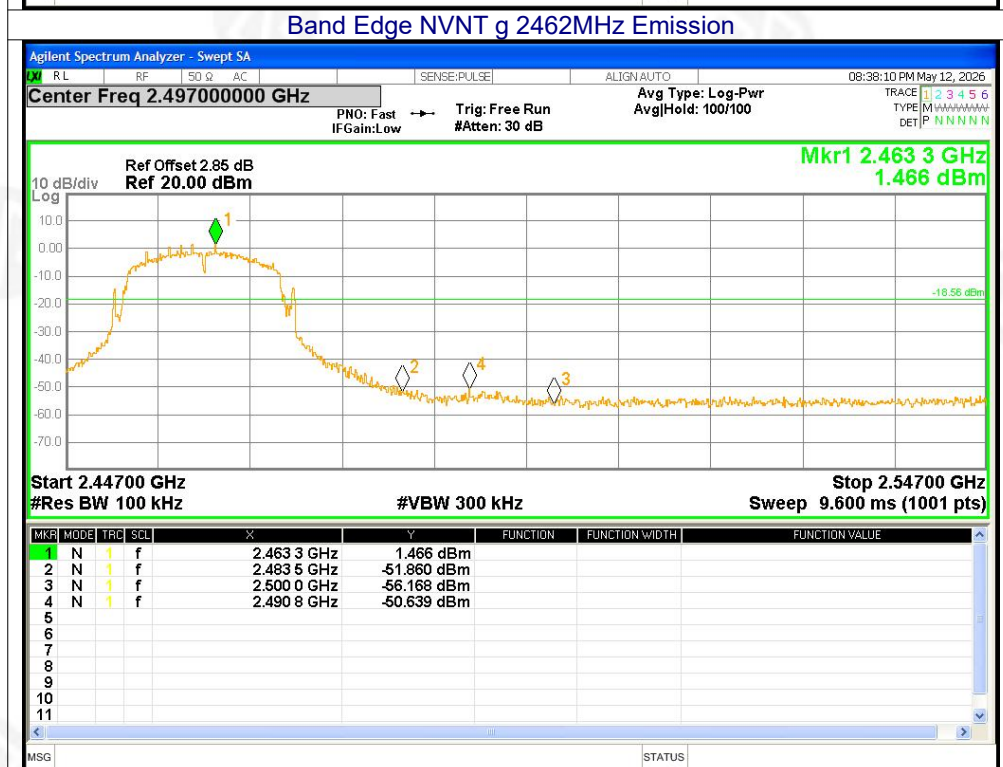
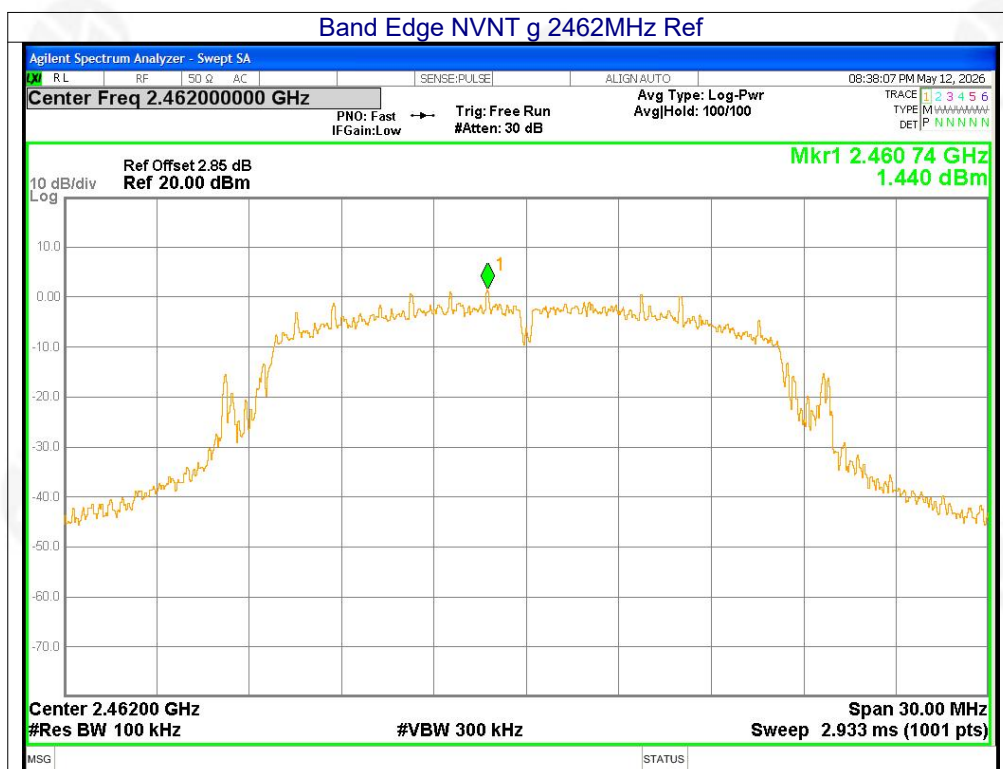
Band Edge

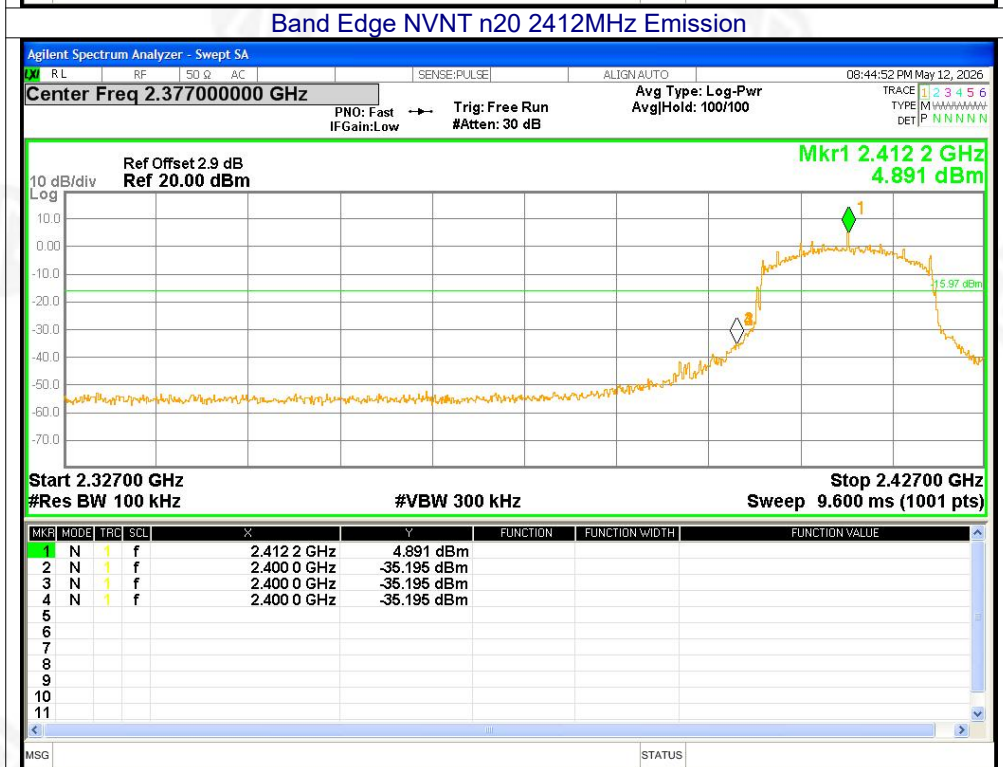
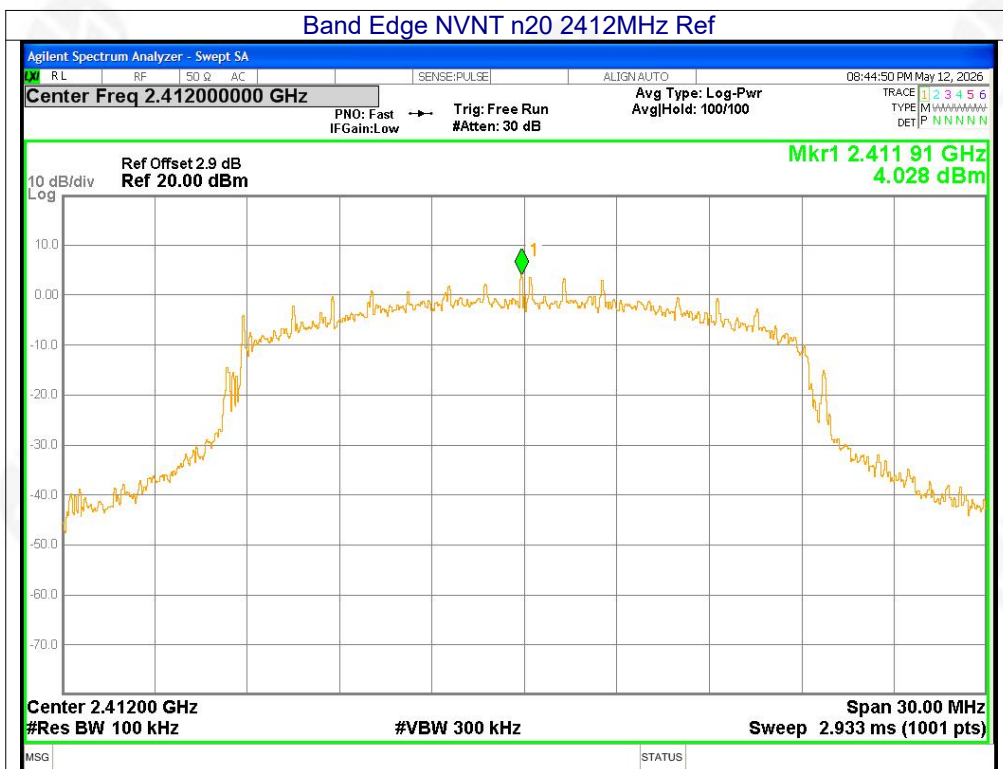
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	-46.14	<=-20	Pass
NVNT	b	2462	-56.05	<=-20	Pass
NVNT	g	2412	-40.1	<=-20	Pass
NVNT	g	2462	-52.07	<=-20	Pass
NVNT	n20	2412	-39.22	<=-20	Pass
NVNT	n20	2462	-56.07	<=-20	Pass
NVNT	n40	2422	-37.68	<=-20	Pass
NVNT	n40	2452	-44.05	<=-20	Pass
NVNT	ax20	2412	-38.65	<=-20	Pass
NVNT	ax20	2462	-51.07	<=-20	Pass
NVNT	ax40	2422	-37.23	<=-20	Pass
NVNT	ax40	2452	-46.57	<=-20	Pass

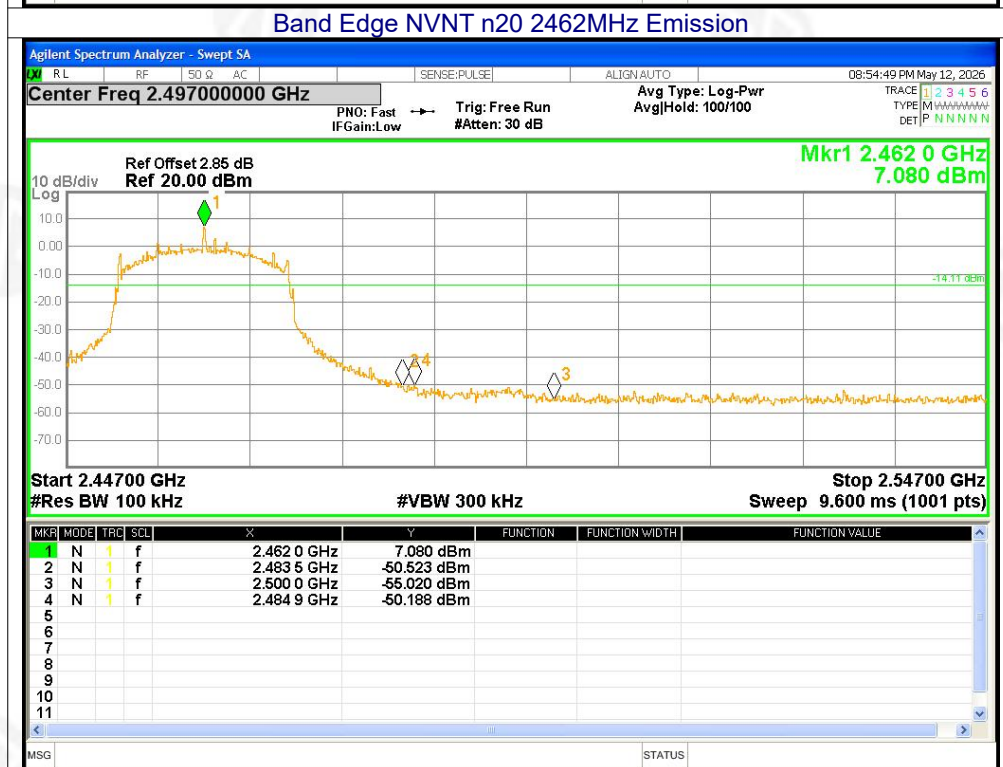
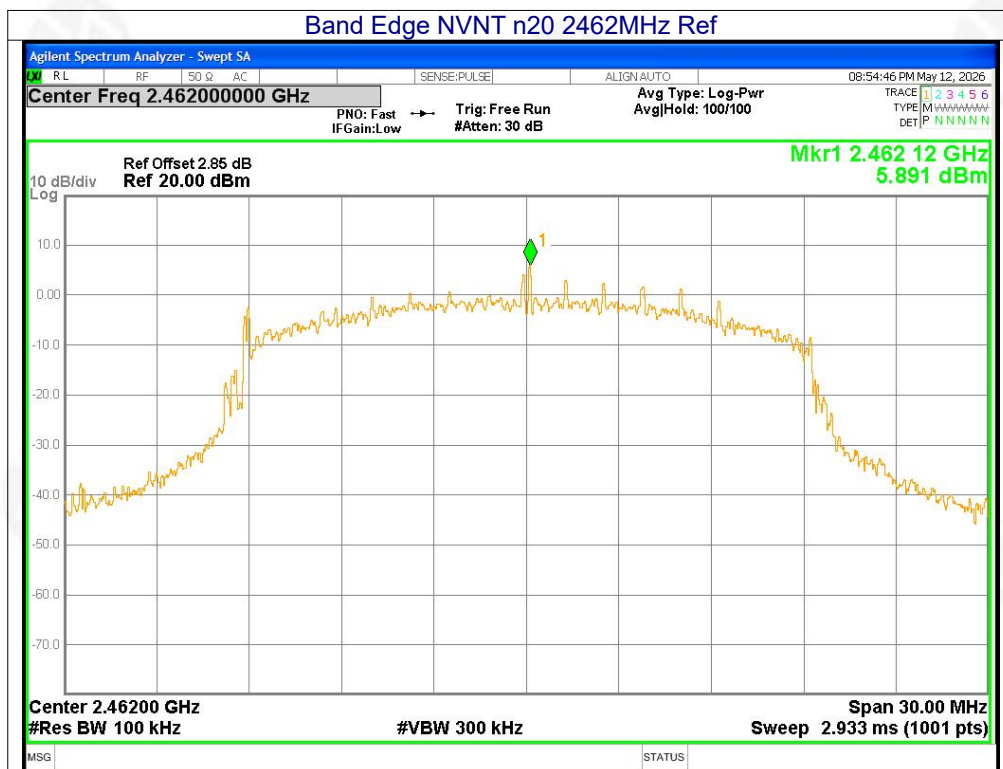


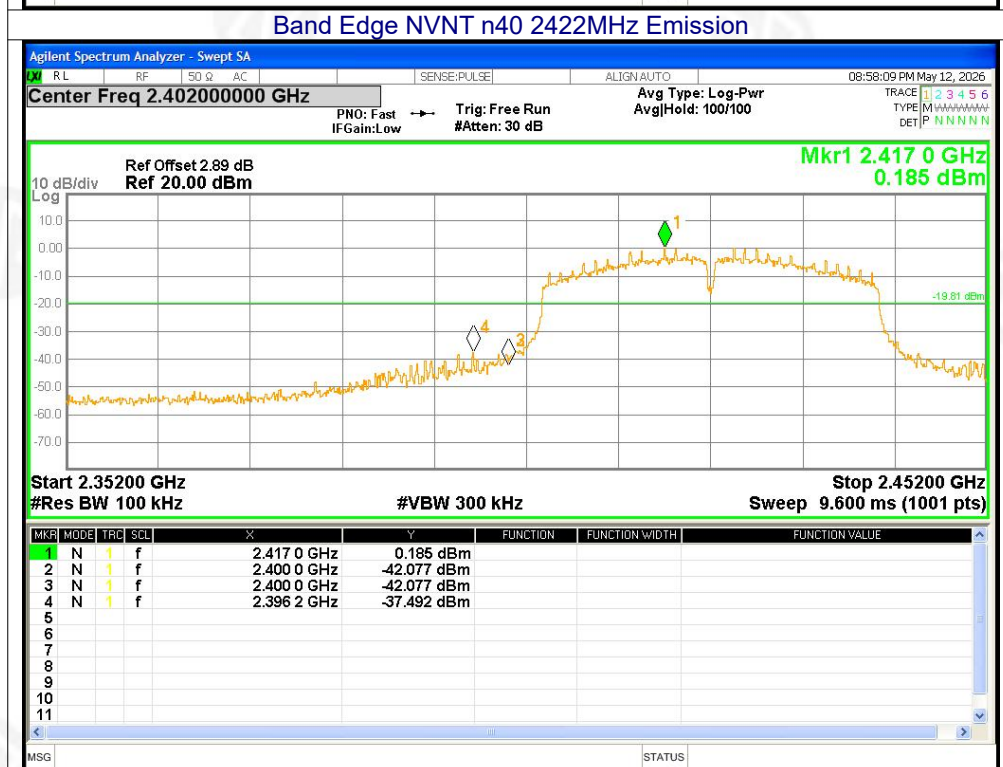
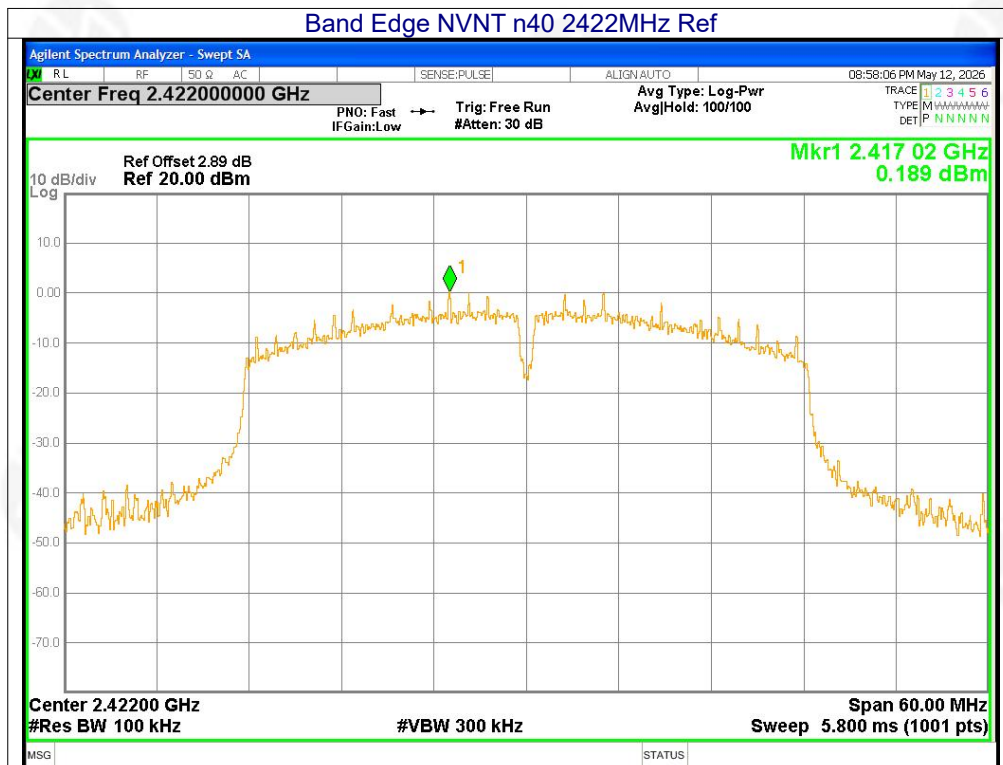


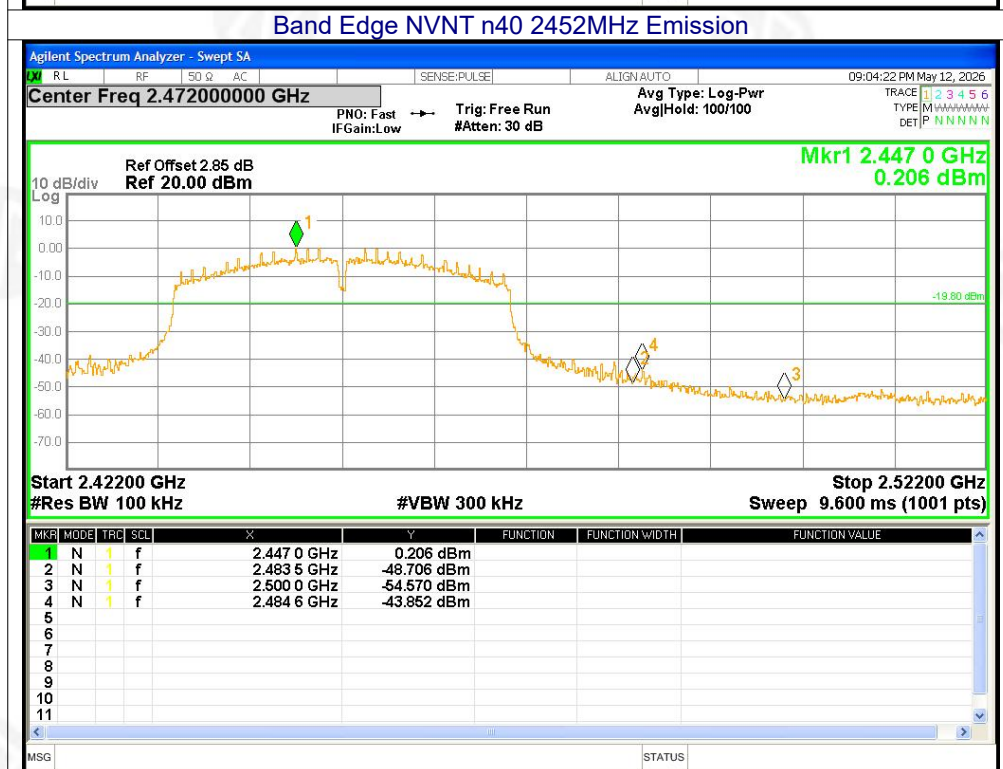
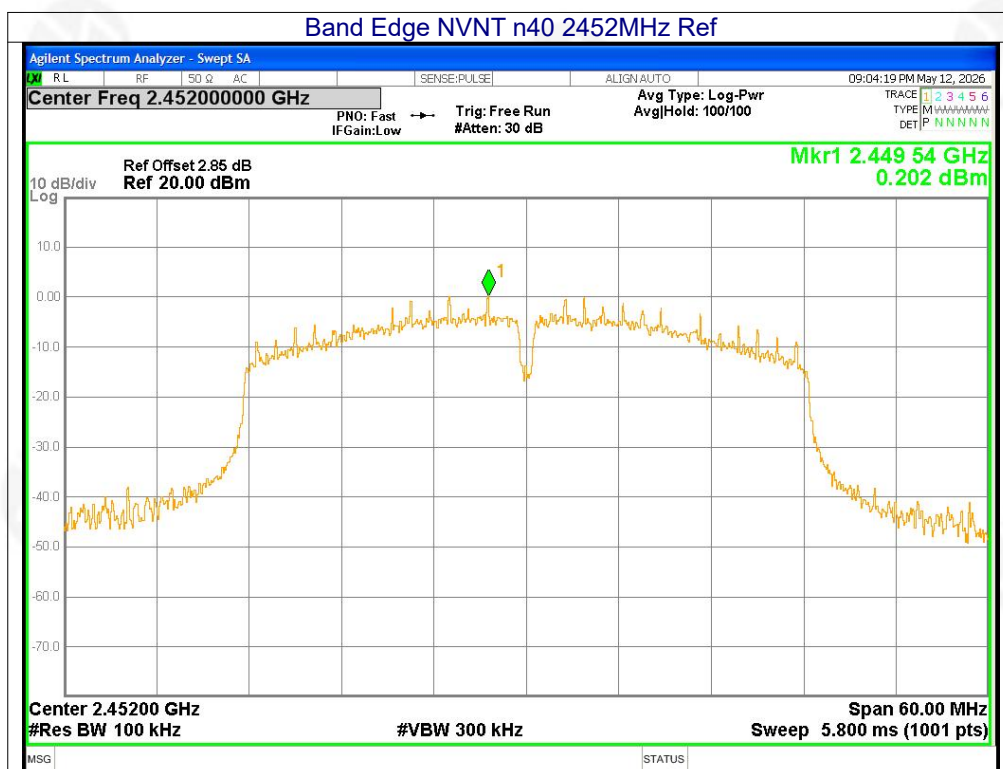


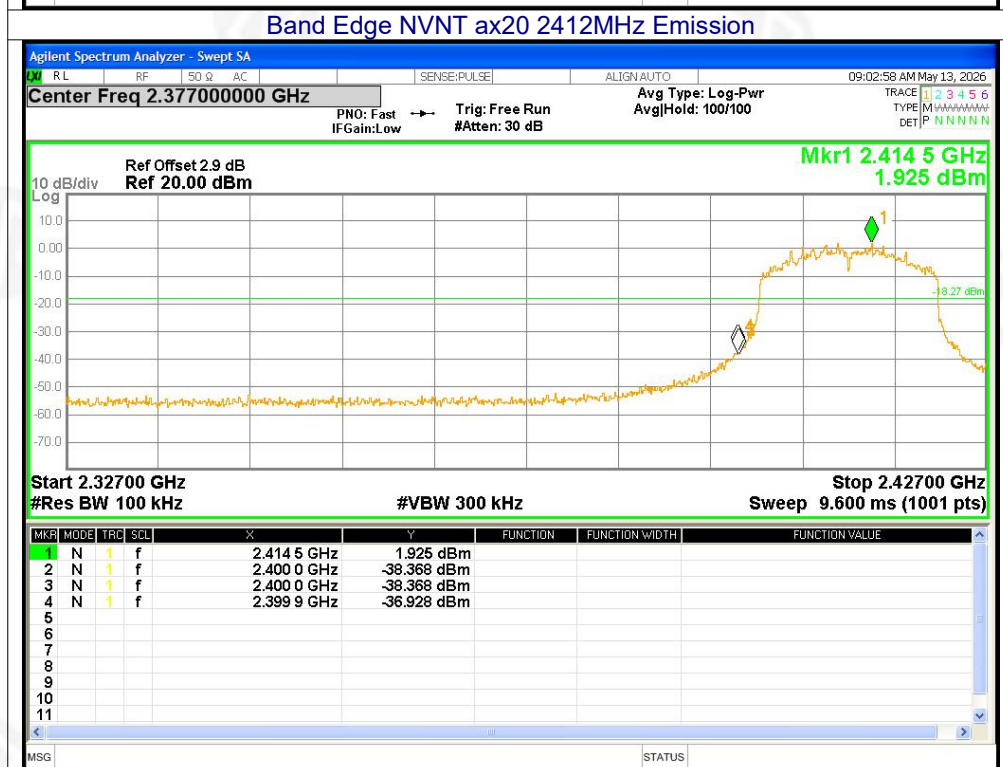
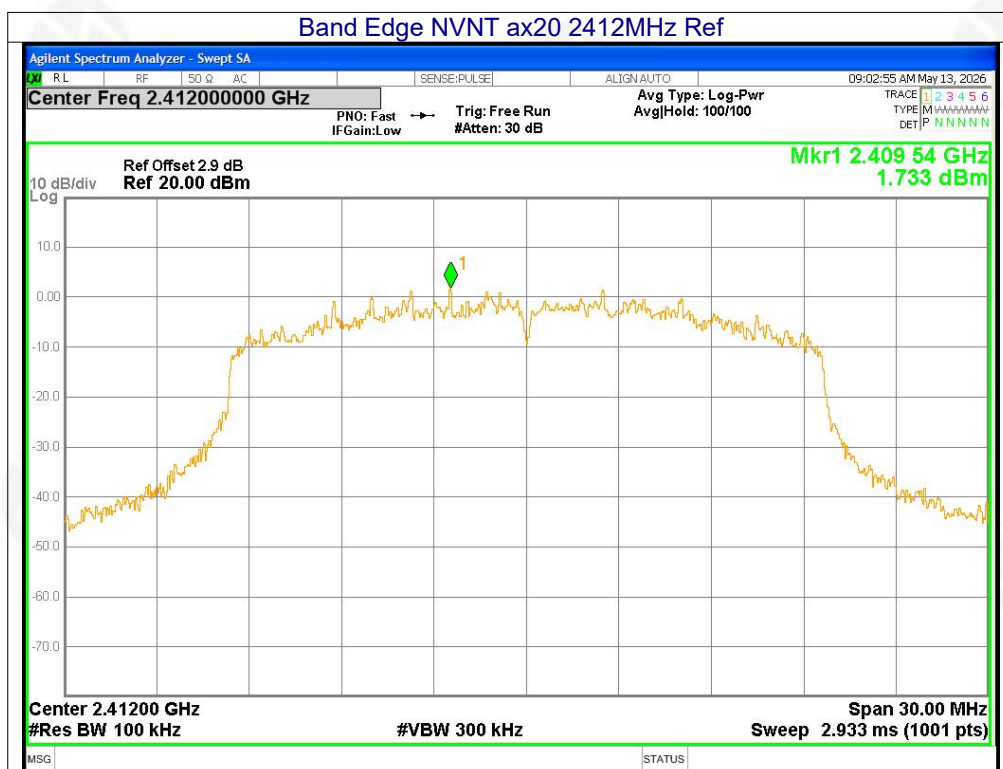


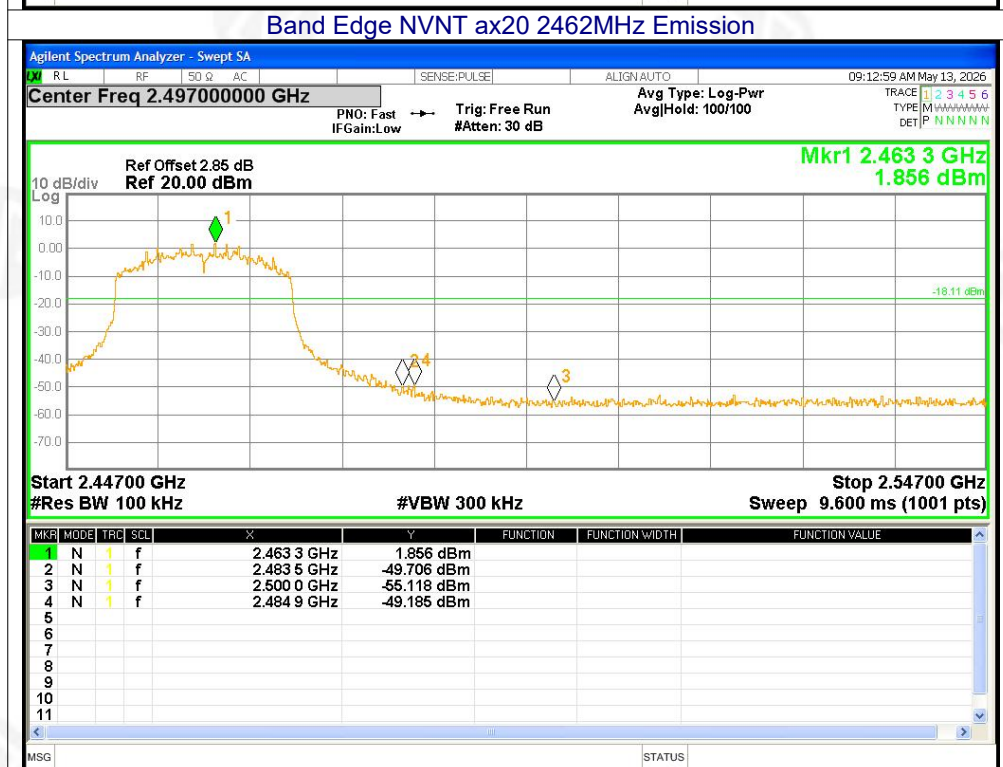
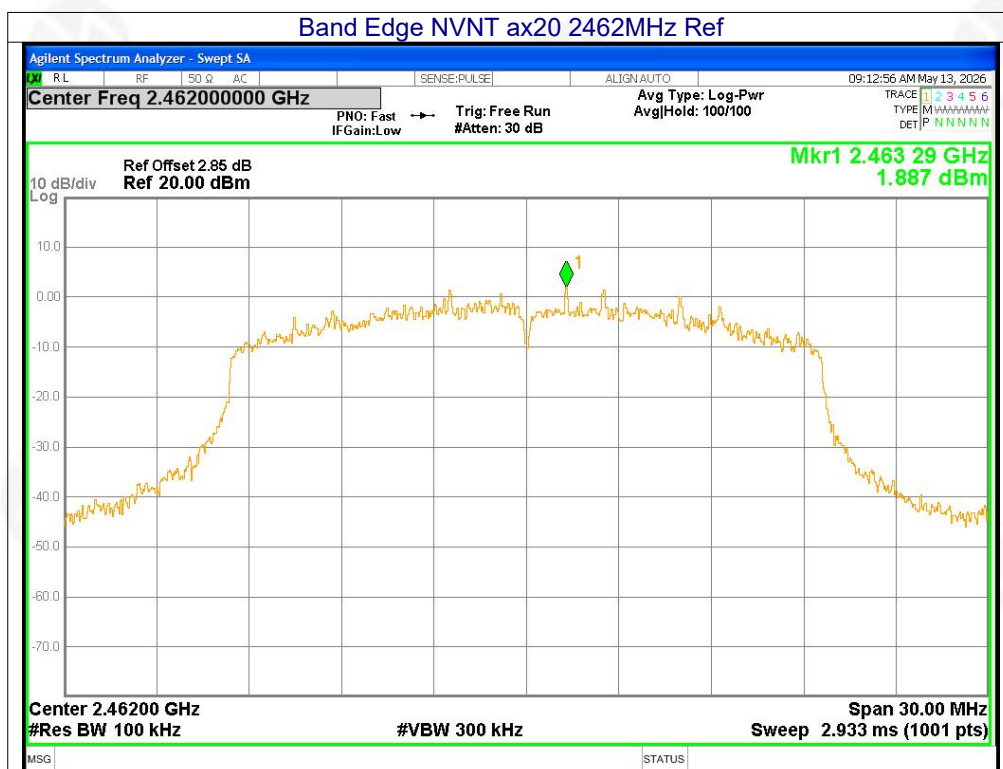


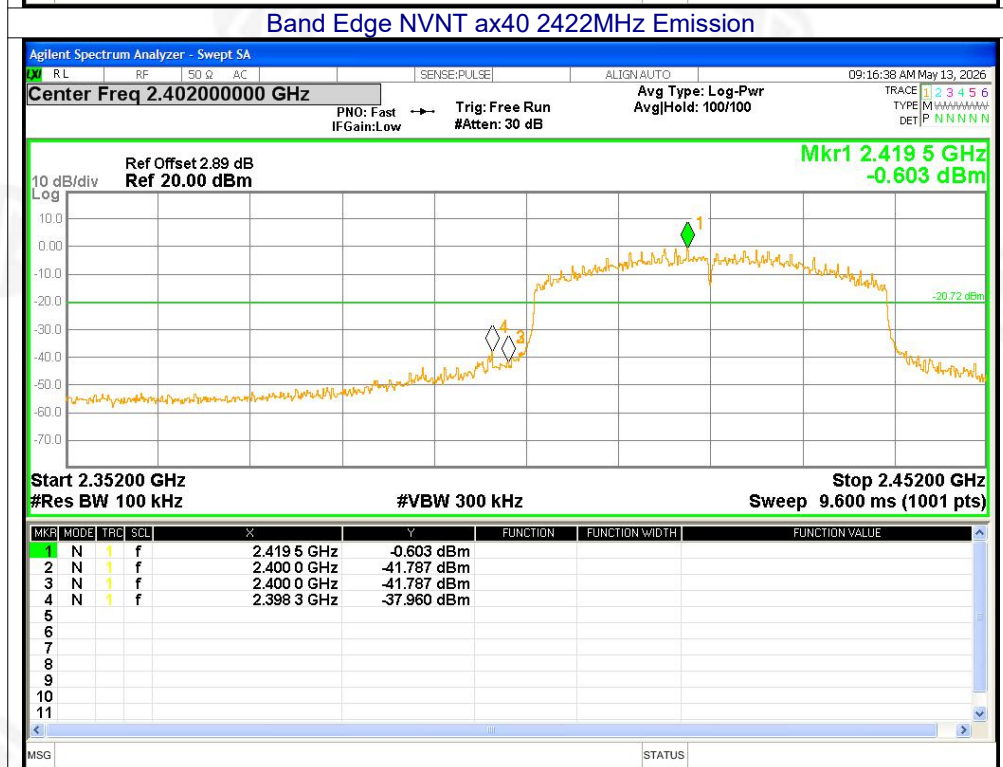
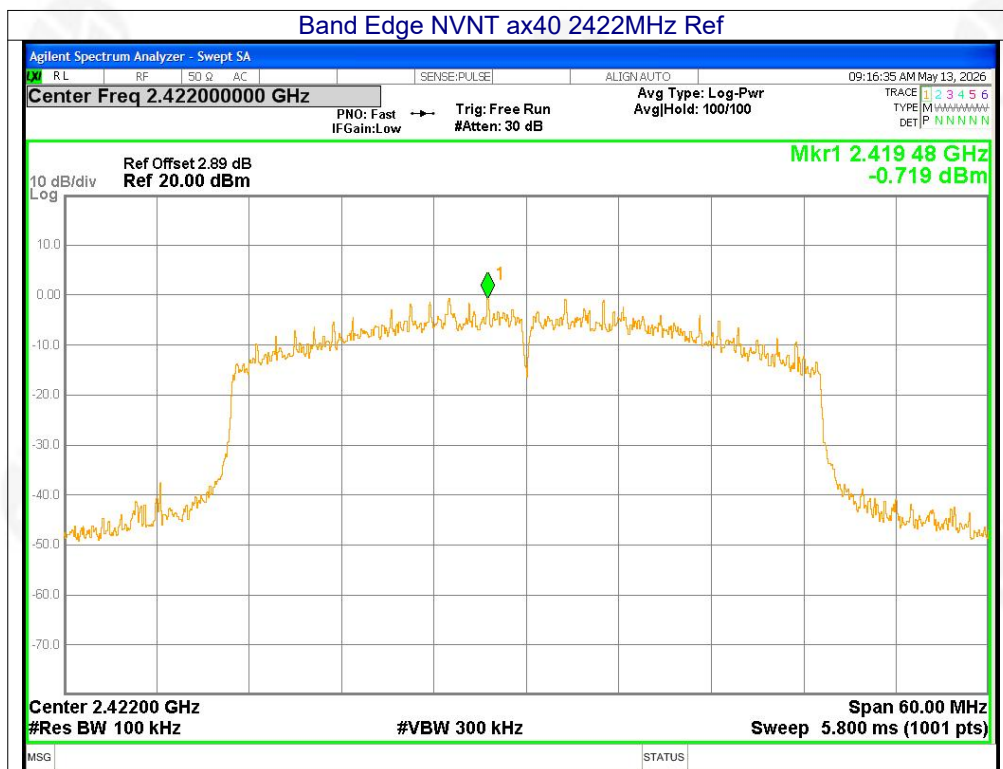


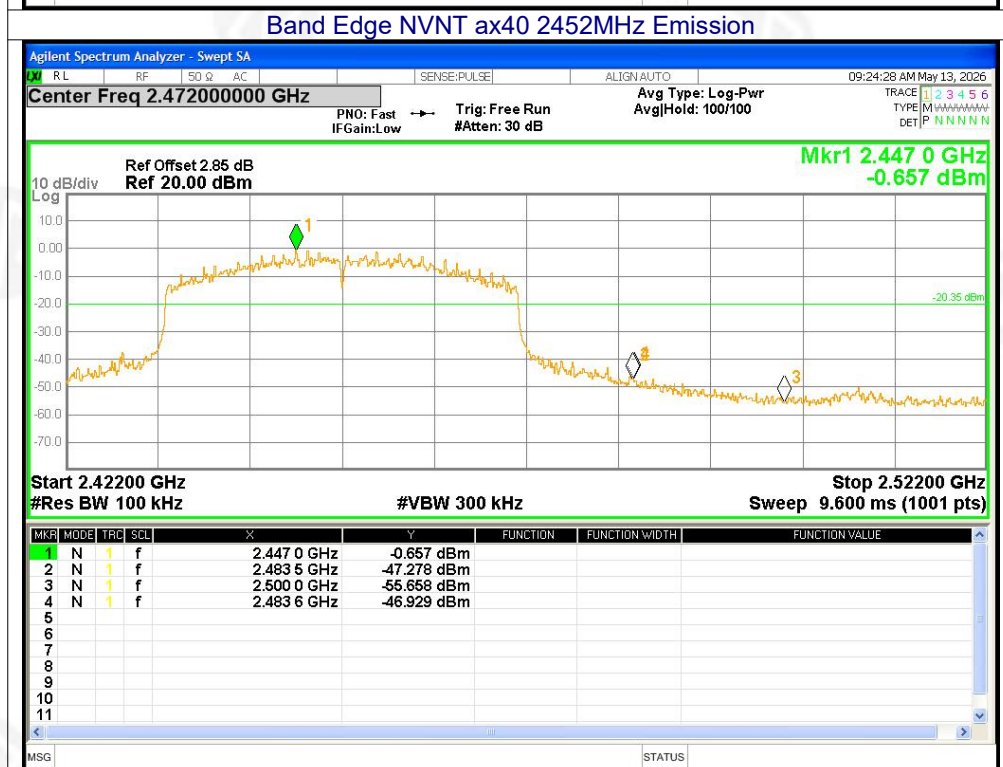
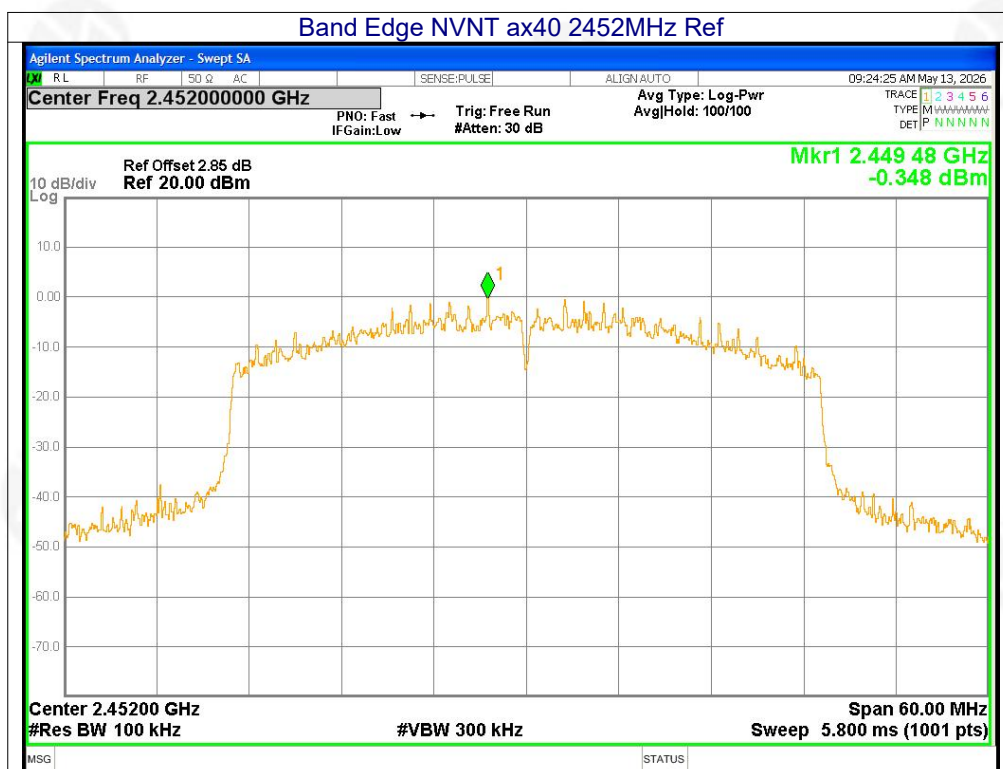












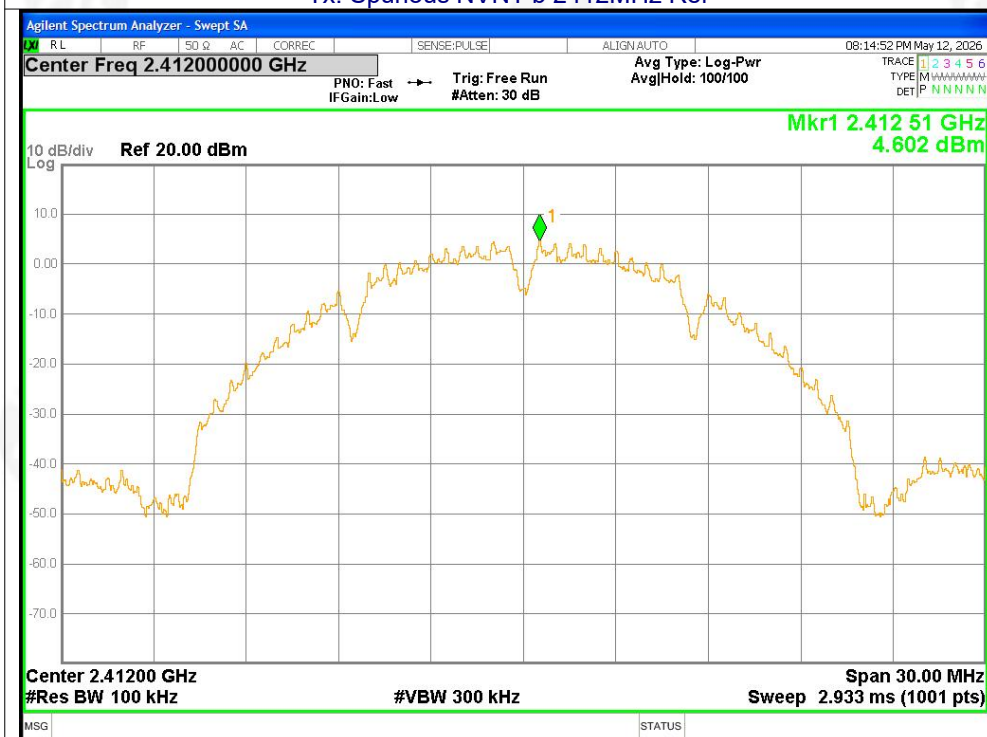


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	-47.86	<=-20	Pass
NVNT	b	2437	-48.09	<=-20	Pass
NVNT	g	2412	-45.03	<=-20	Pass
NVNT	g	2437	-44.43	<=-20	Pass
NVNT	g	2462	-44.34	<=-20	Pass
NVNT	n20	2412	-50.47	<=-20	Pass
NVNT	n20	2437	-49.77	<=-20	Pass
NVNT	n20	2462	-50.5	<=-20	Pass
NVNT	n40	2422	-43.75	<=-20	Pass
NVNT	n40	2437	-43	<=-20	Pass
NVNT	n40	2452	-43.17	<=-20	Pass
NVNT	ax20	2412	-44.76	<=-20	Pass
NVNT	ax20	2437	-45.76	<=-20	Pass
NVNT	ax20	2462	-45	<=-20	Pass
NVNT	ax40	2422	-42.58	<=-20	Pass
NVNT	ax40	2437	-42.57	<=-20	Pass
NVNT	ax40	2452	-42.87	<=-20	Pass



Test Graphs Tx. Spurious NVNT b 2412MHz Ref



Tx. Spurious NVNT b 2412MHz Emission

