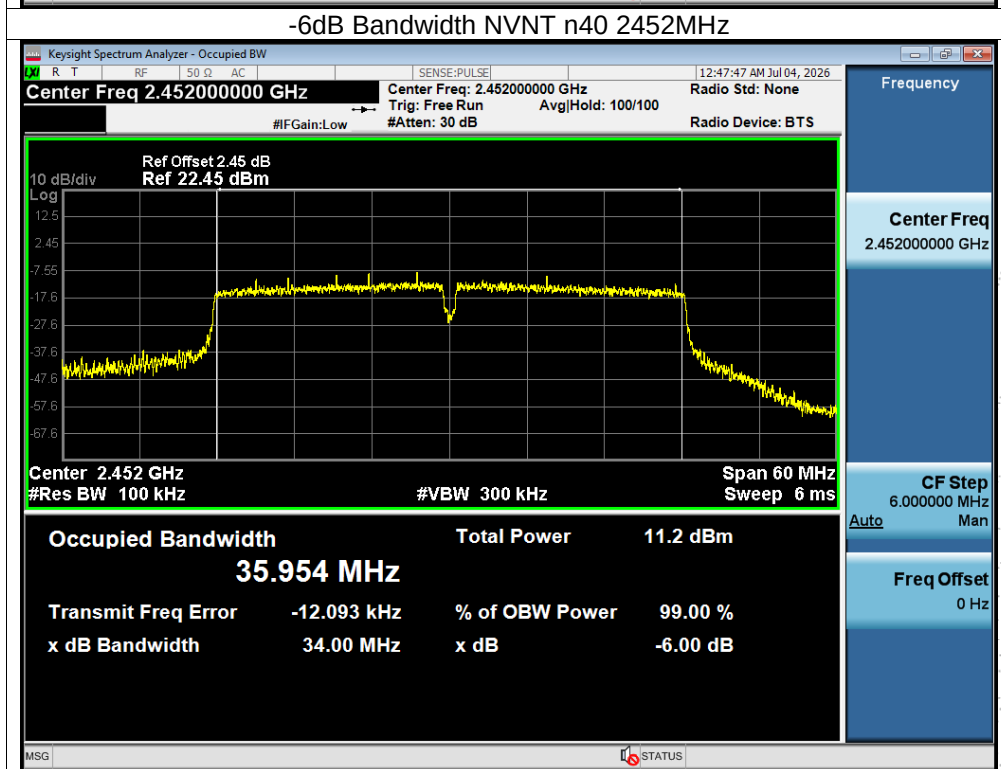
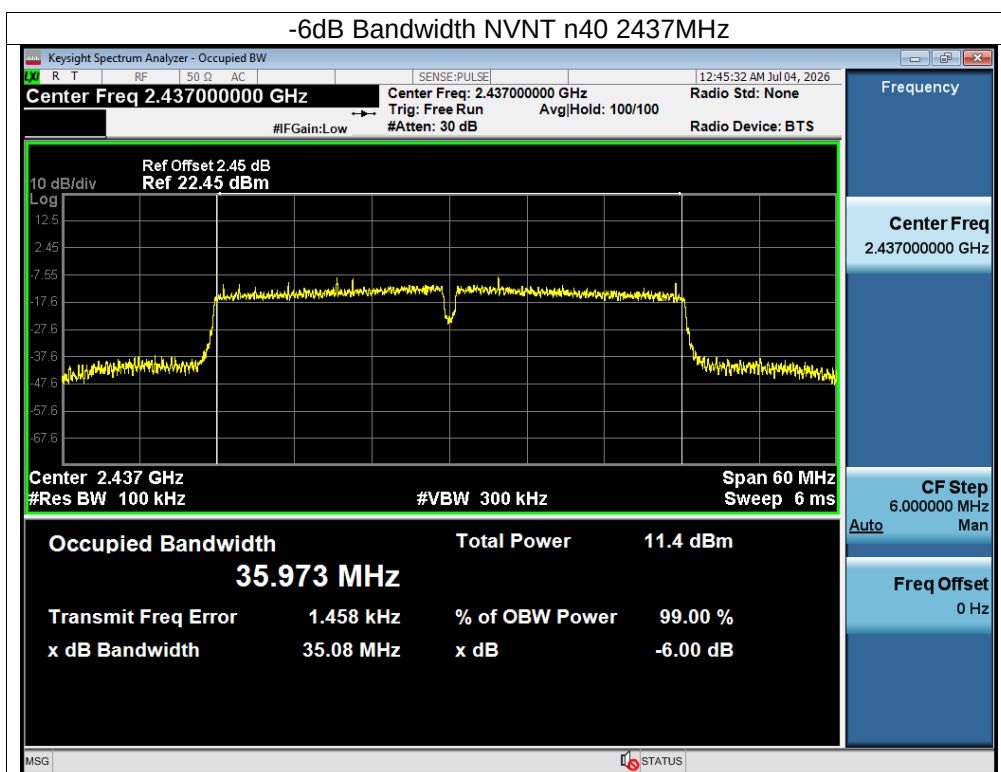
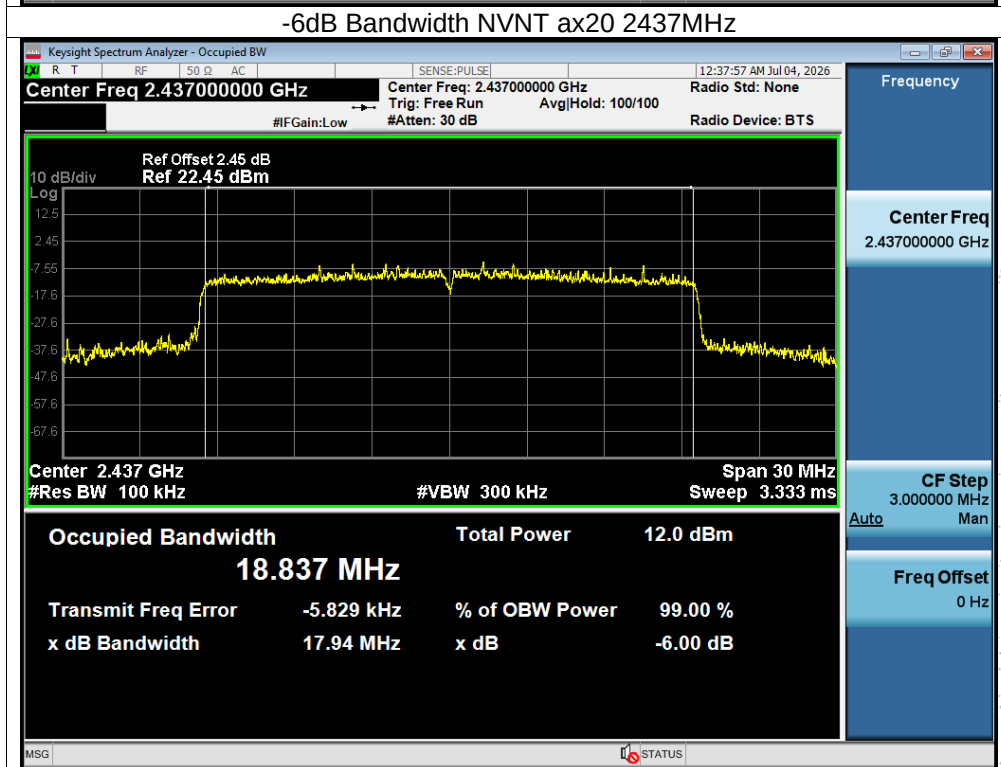
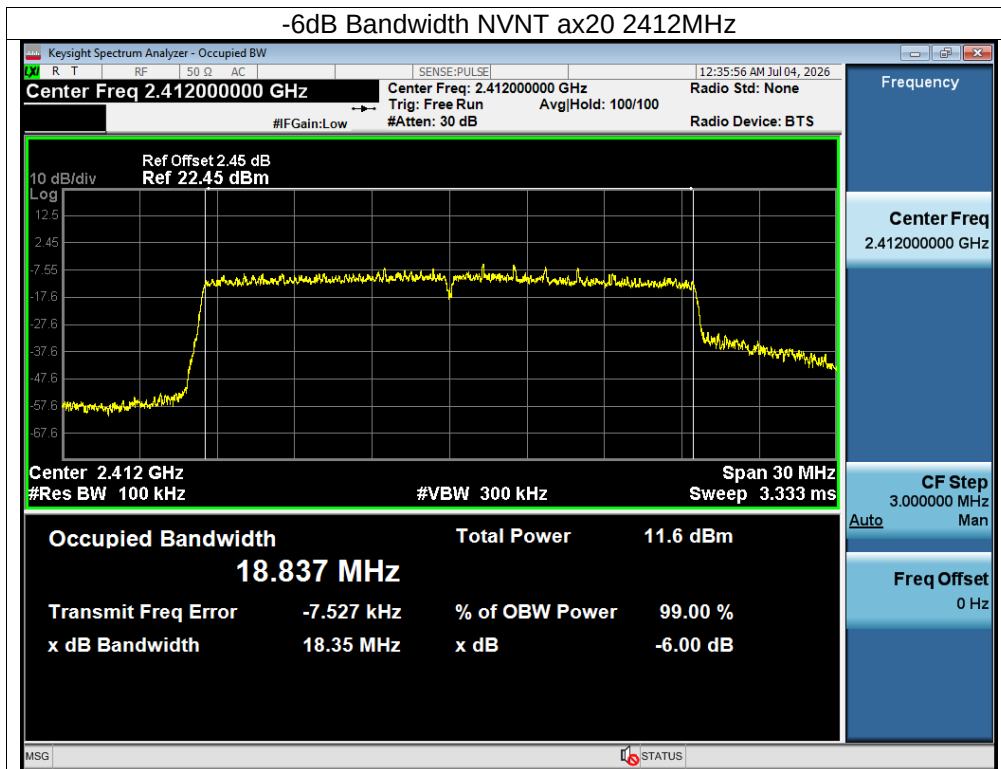
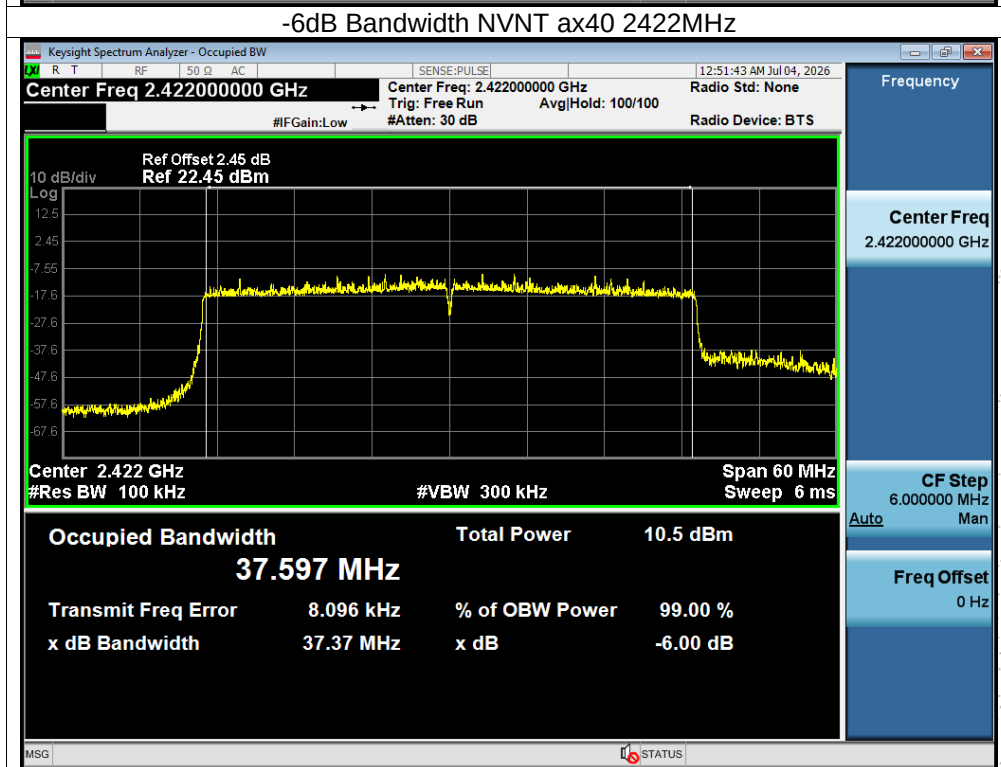
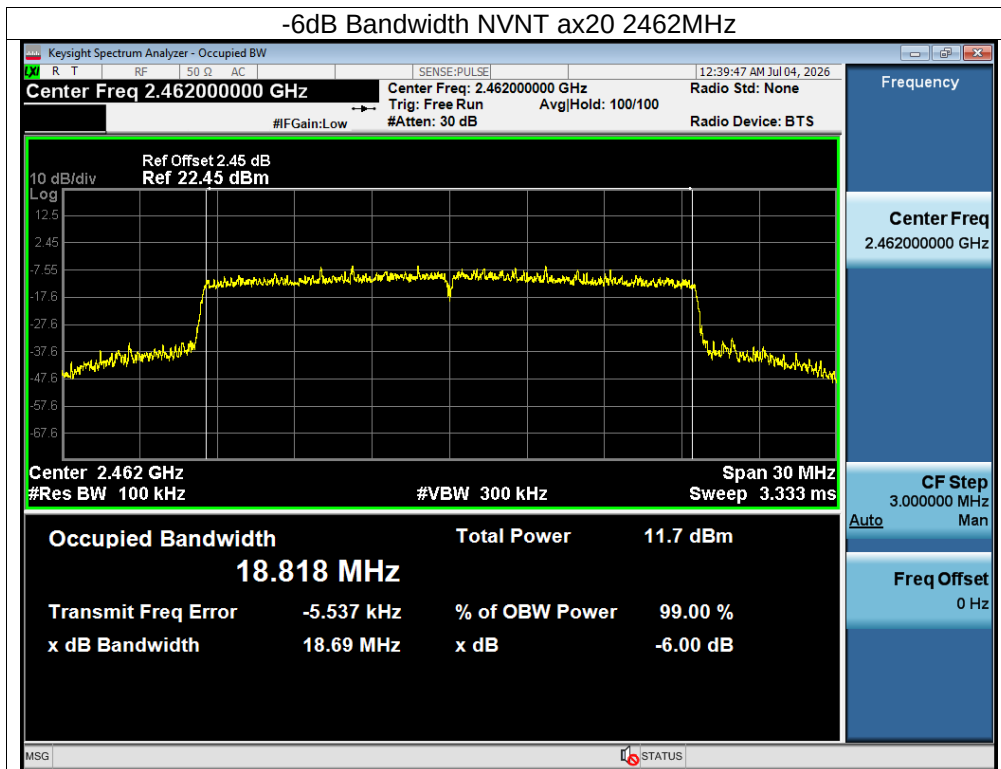
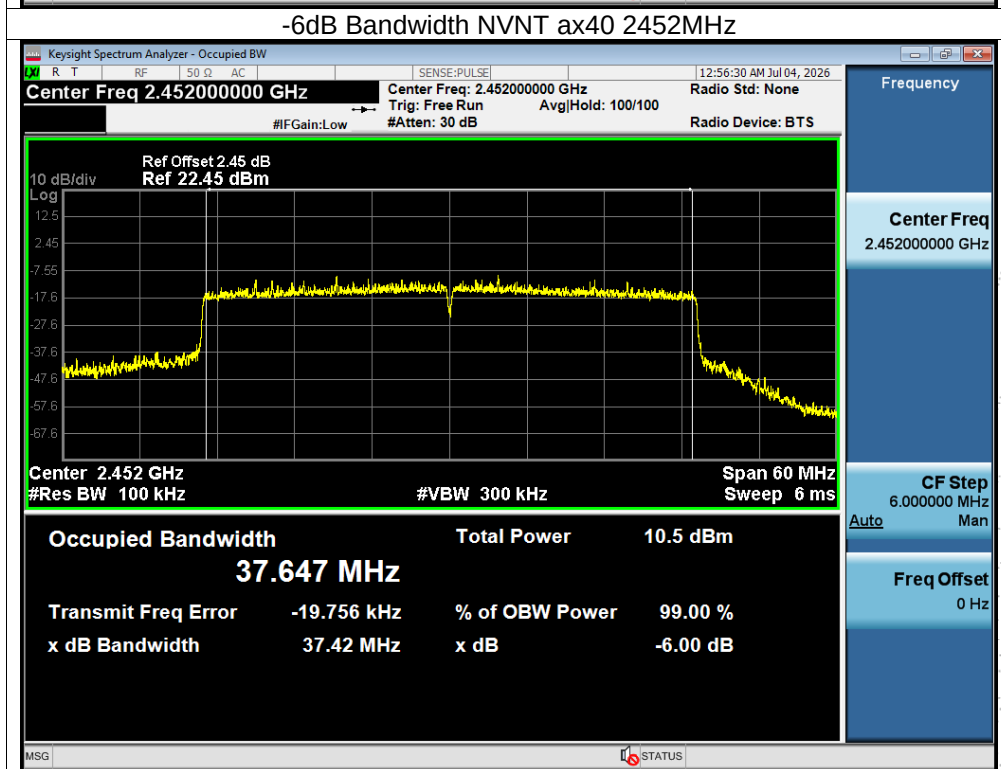
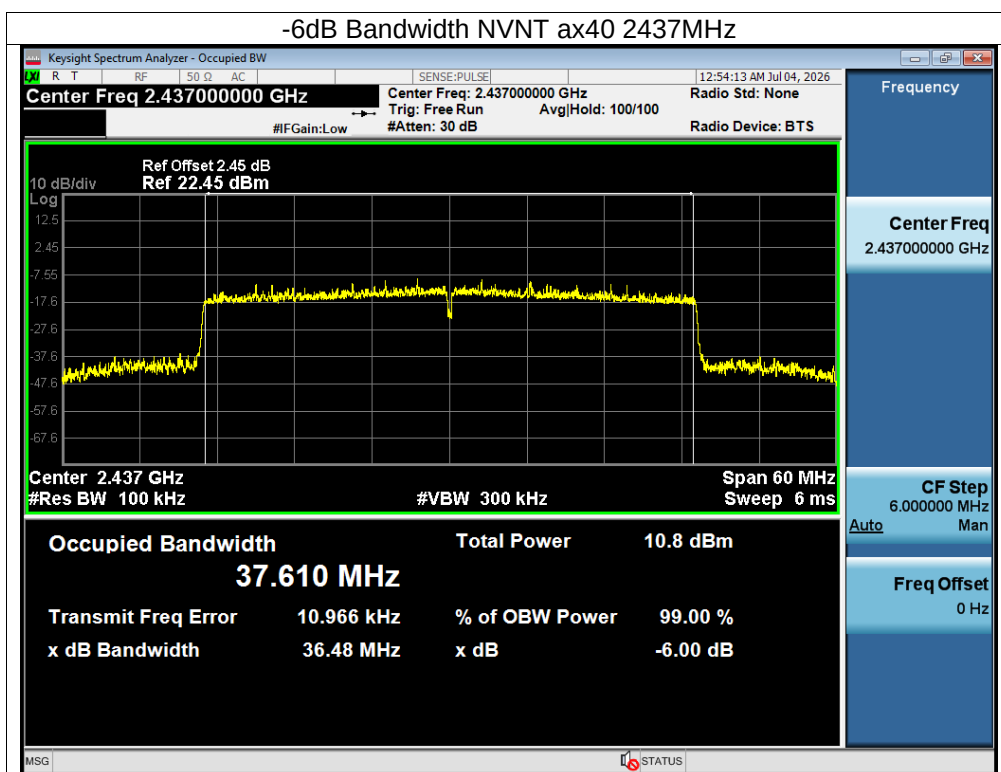
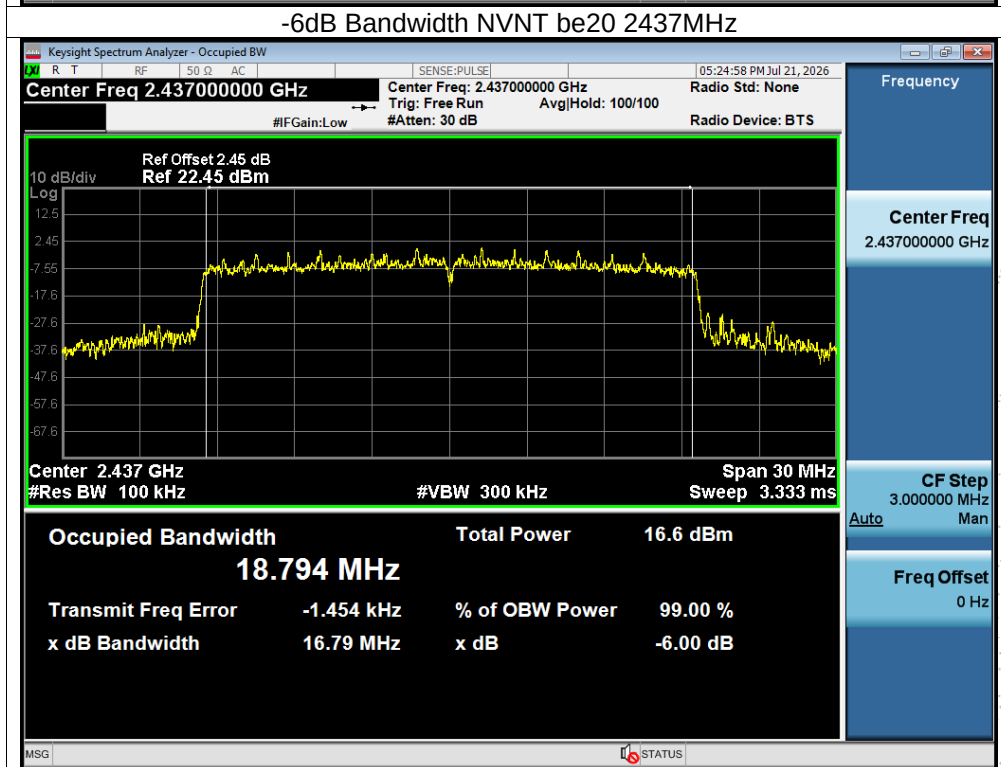
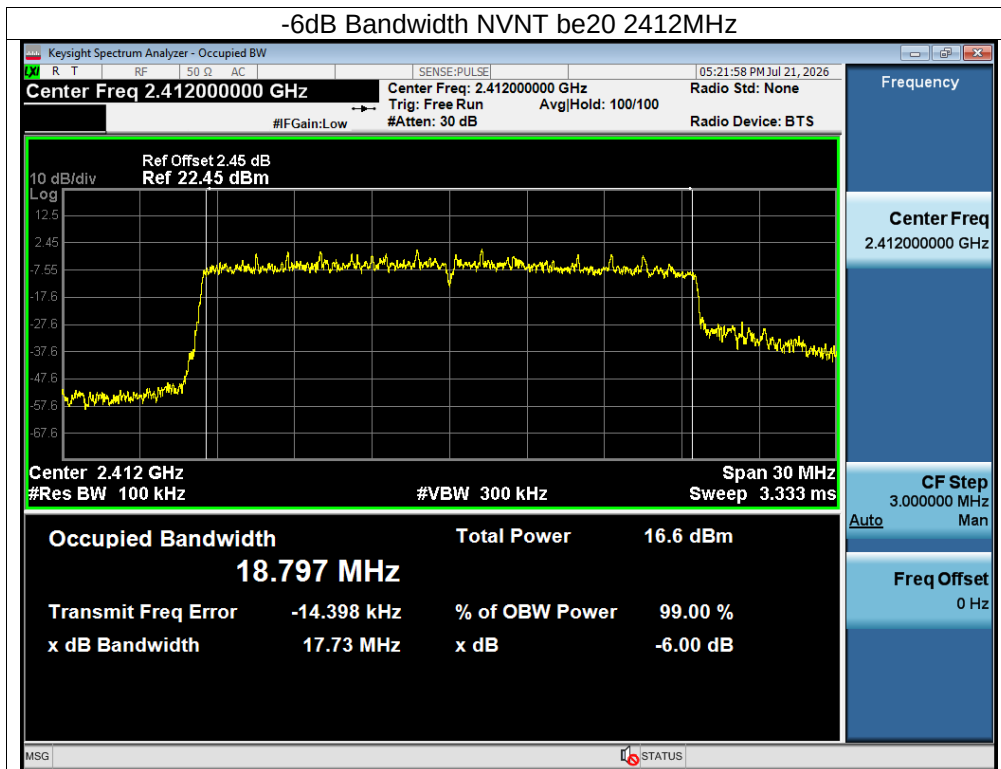


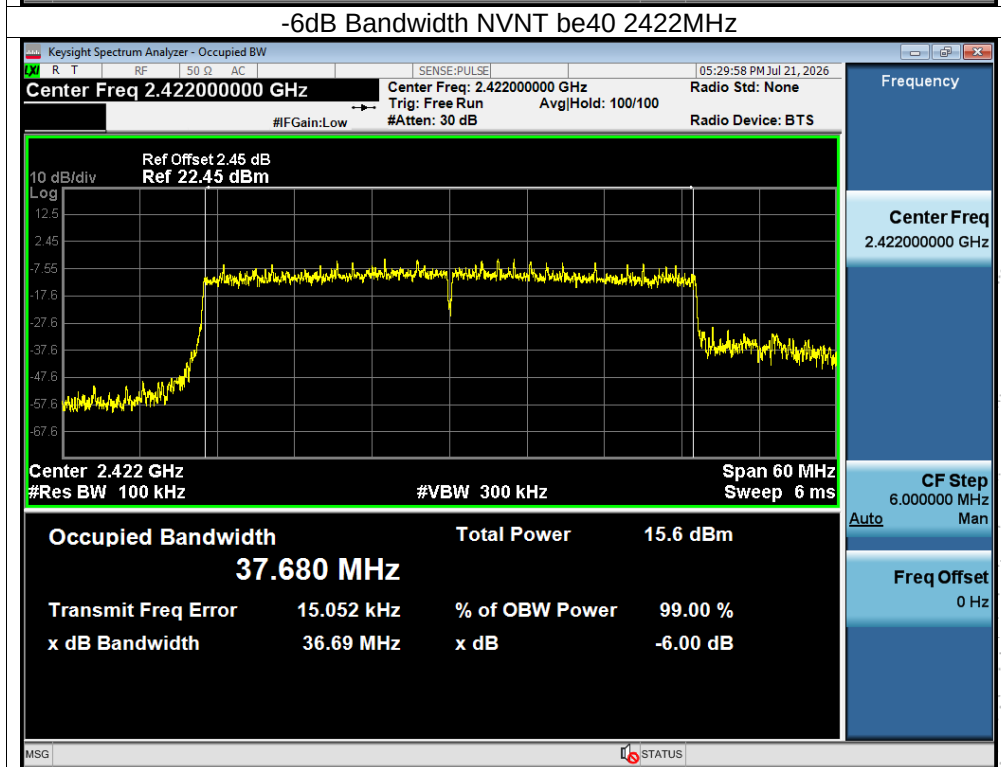
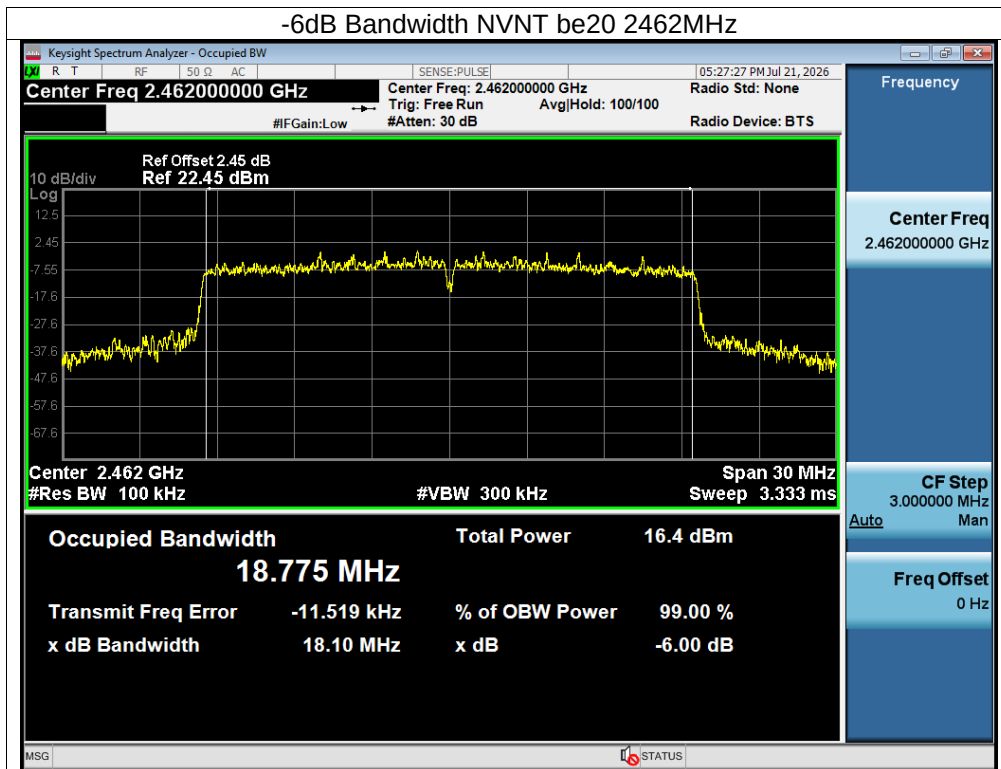


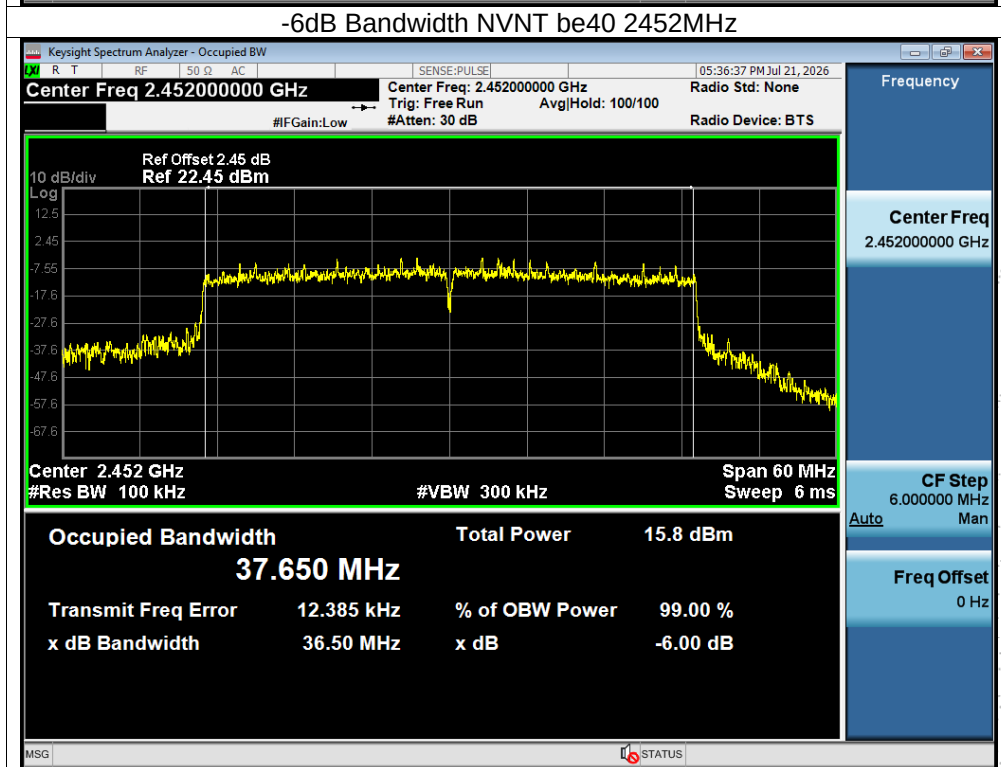
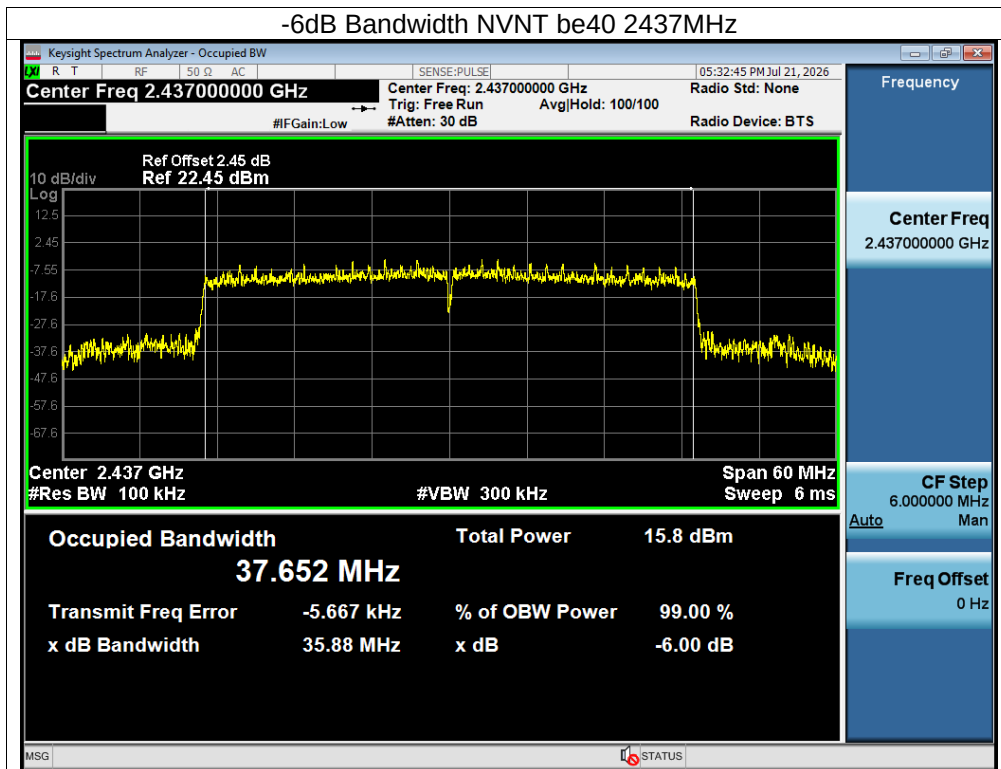








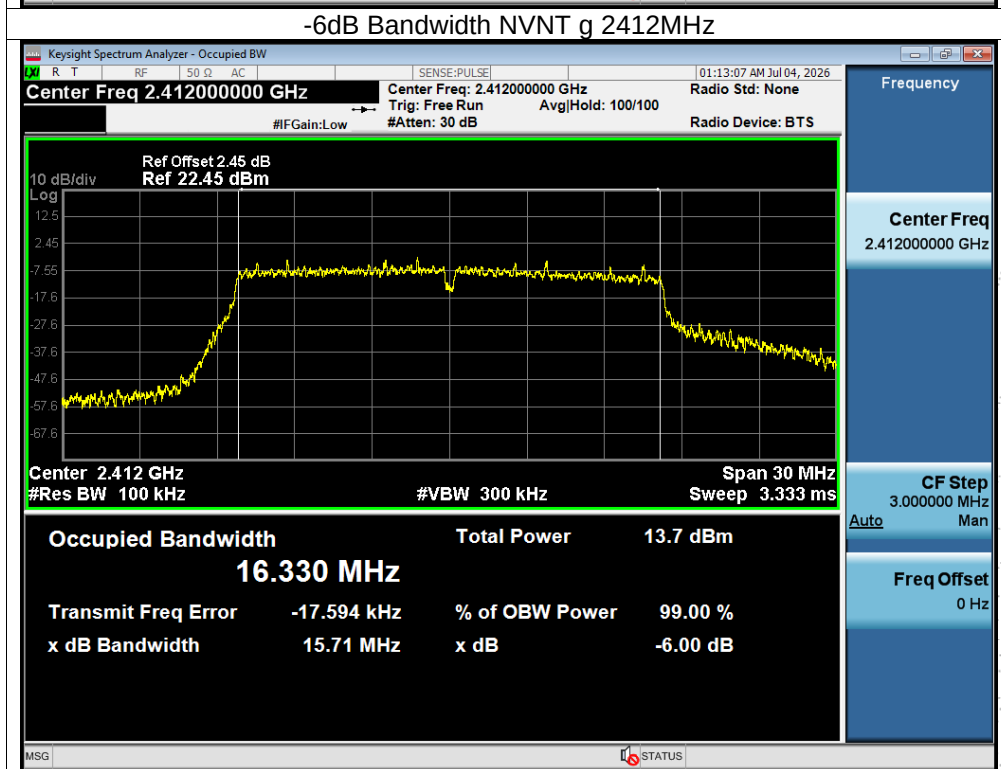
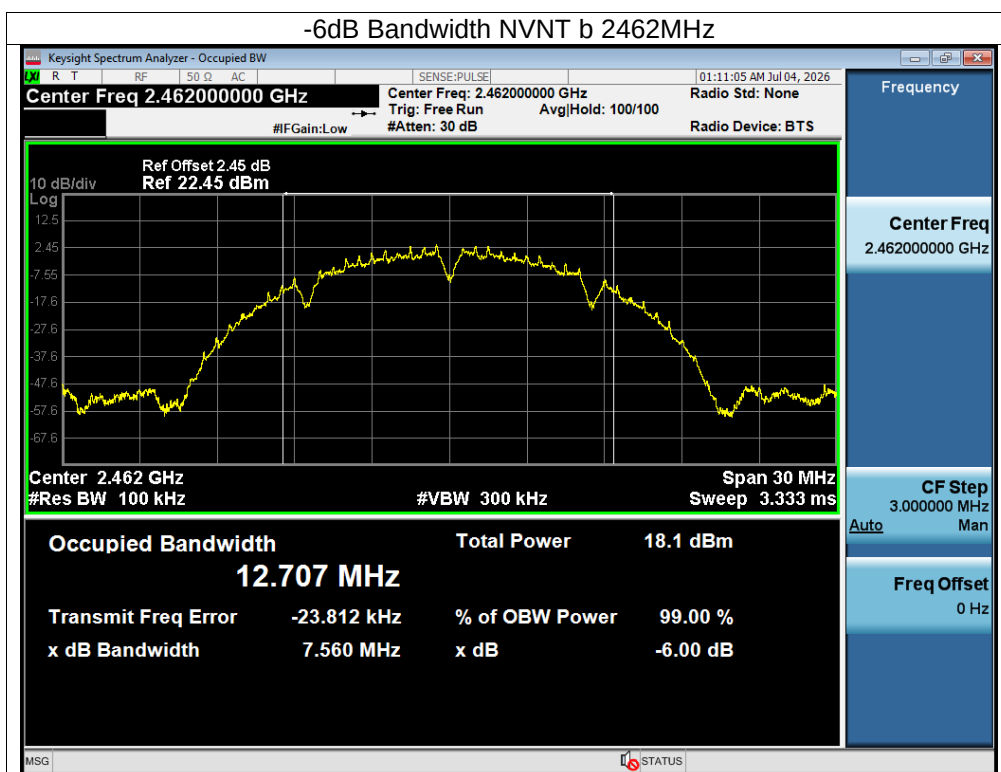


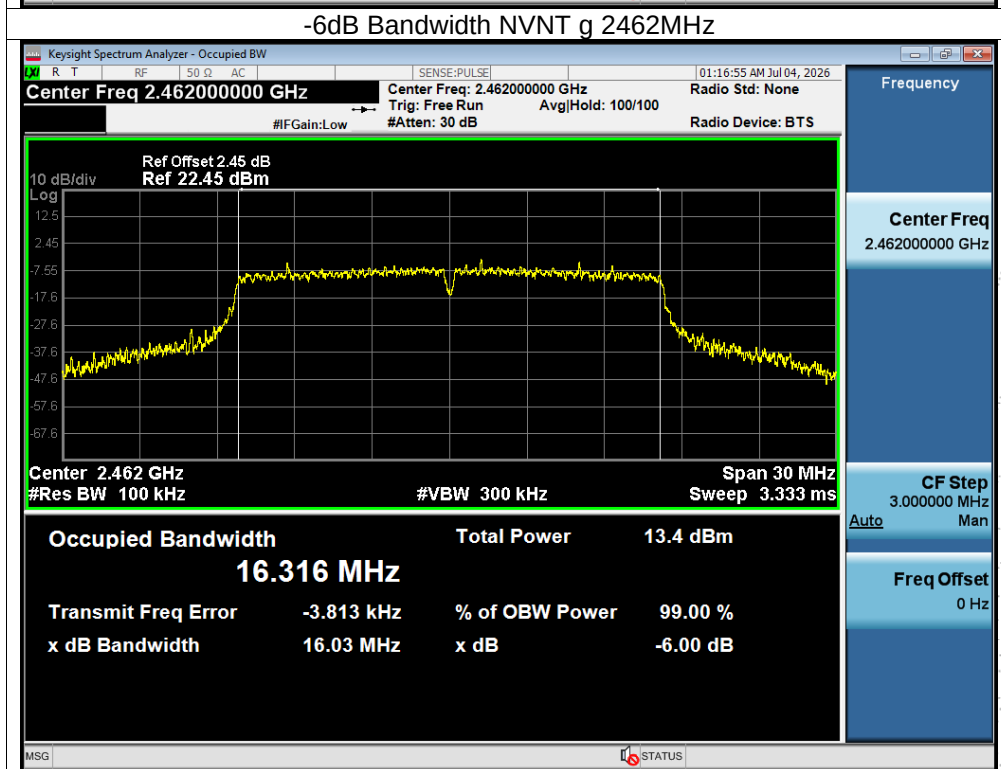
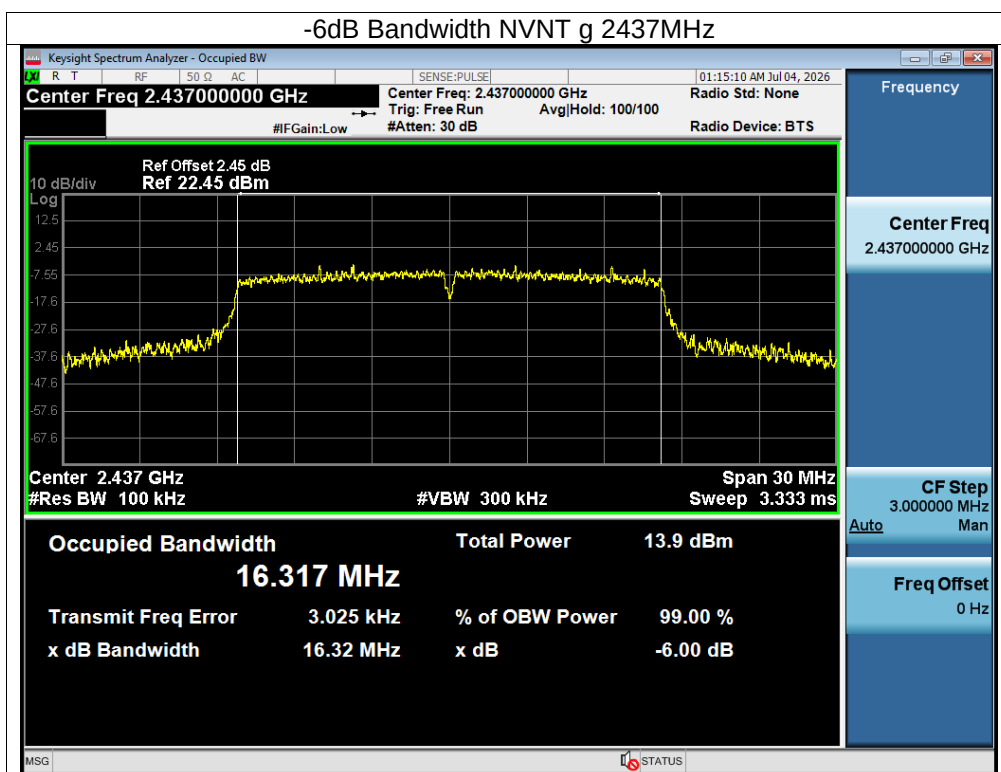


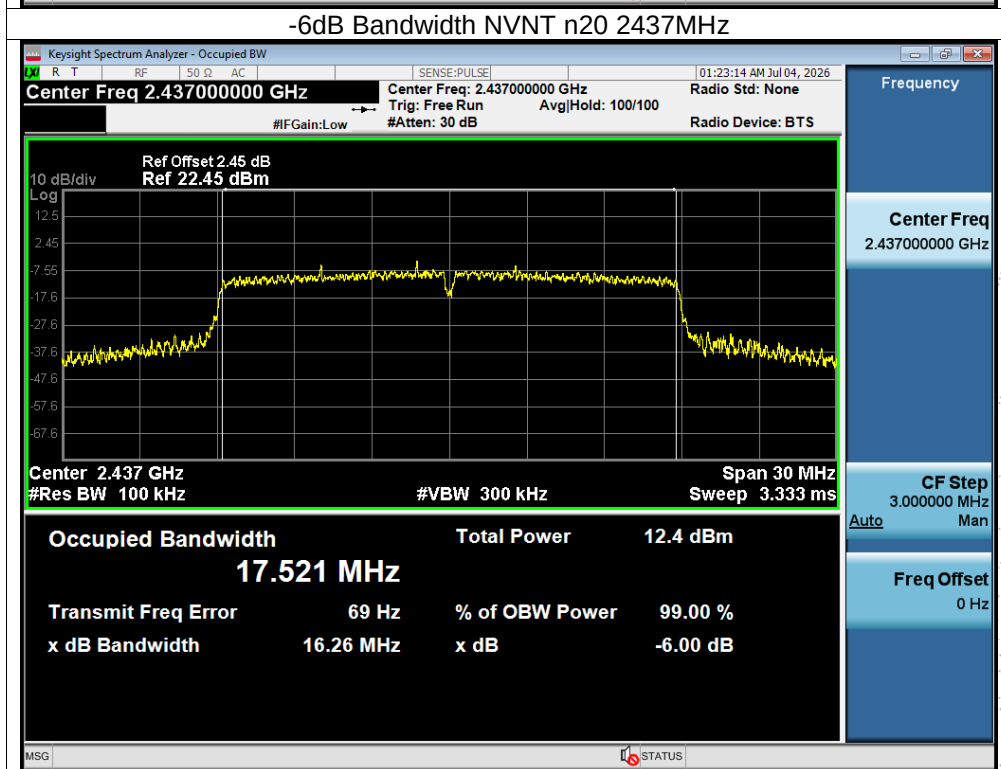
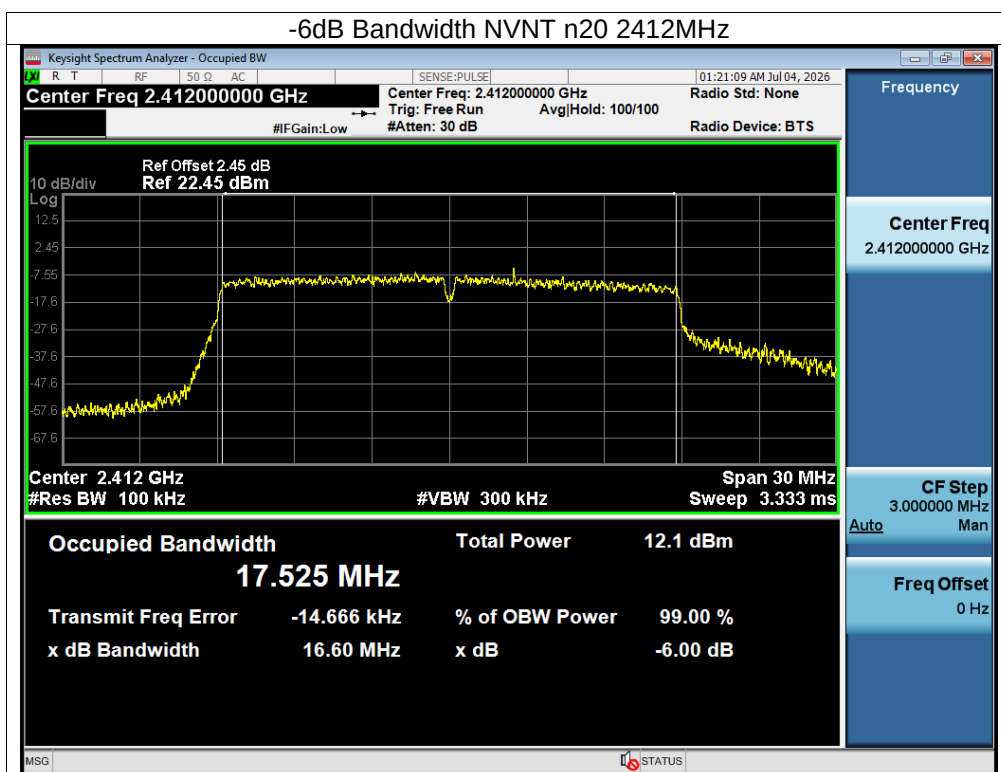


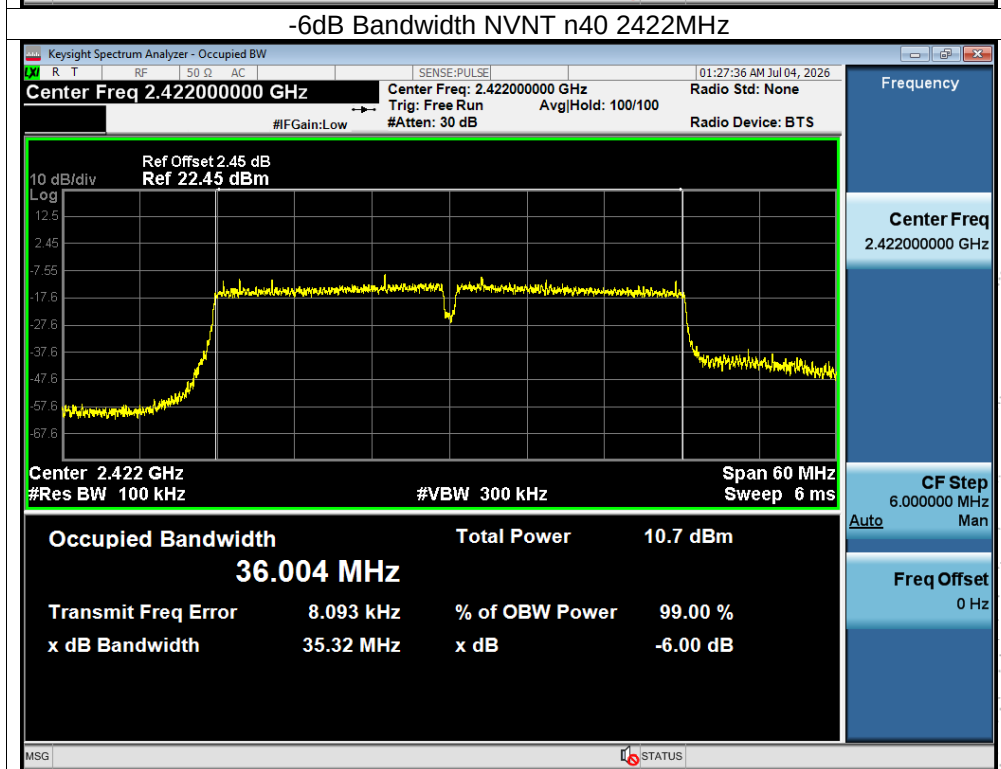
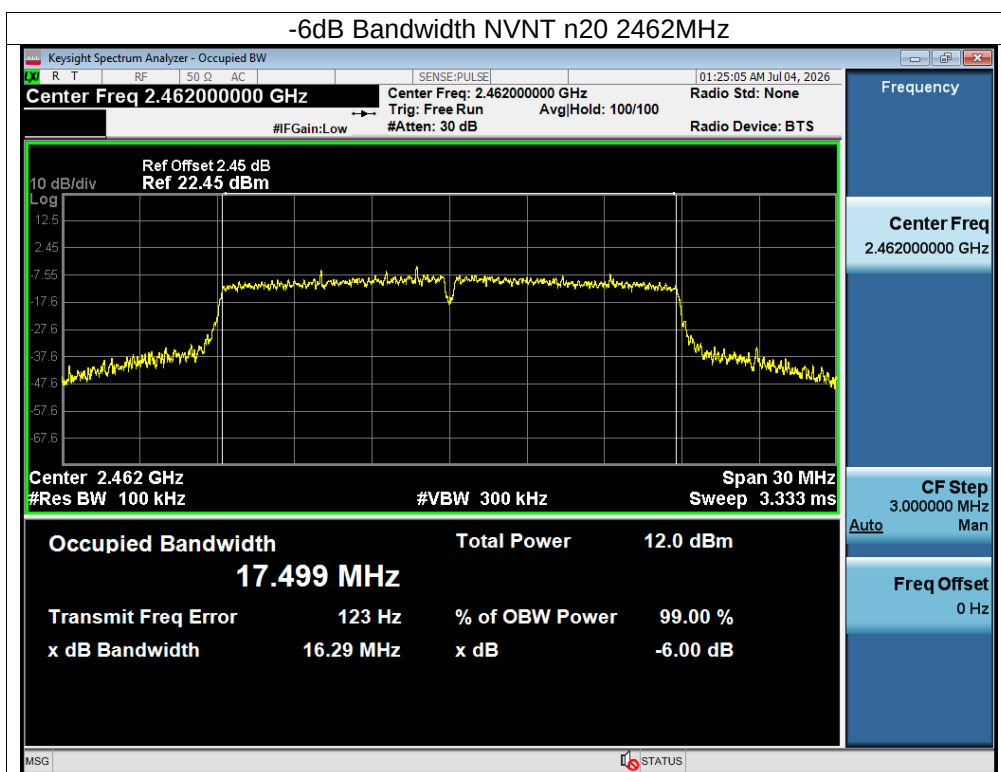
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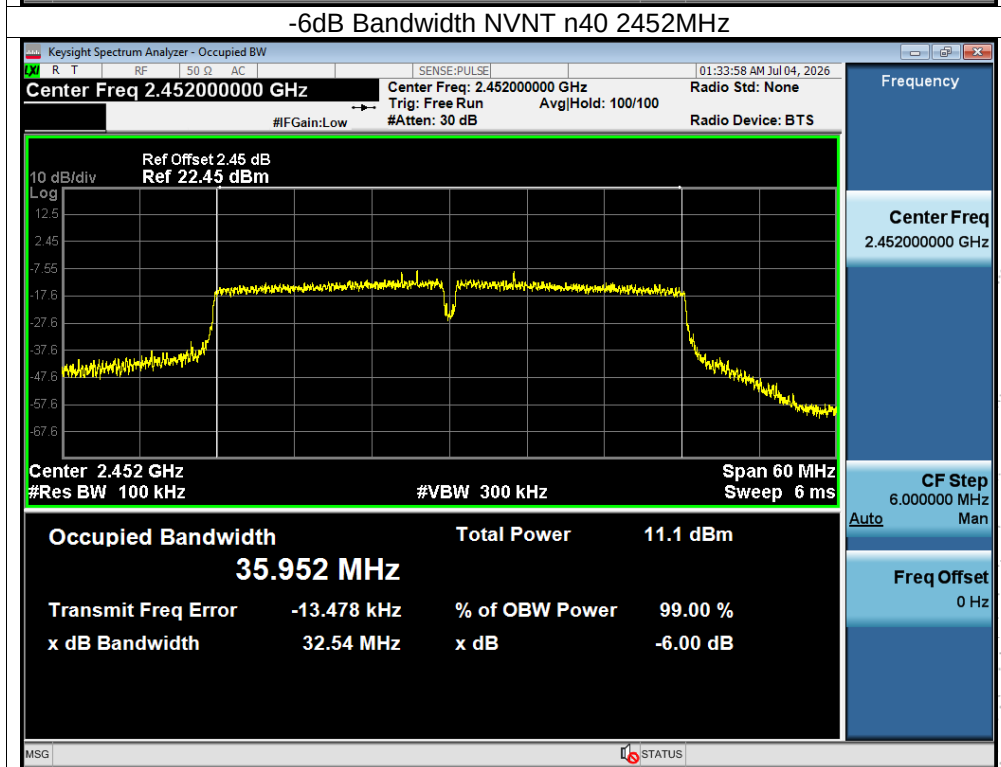
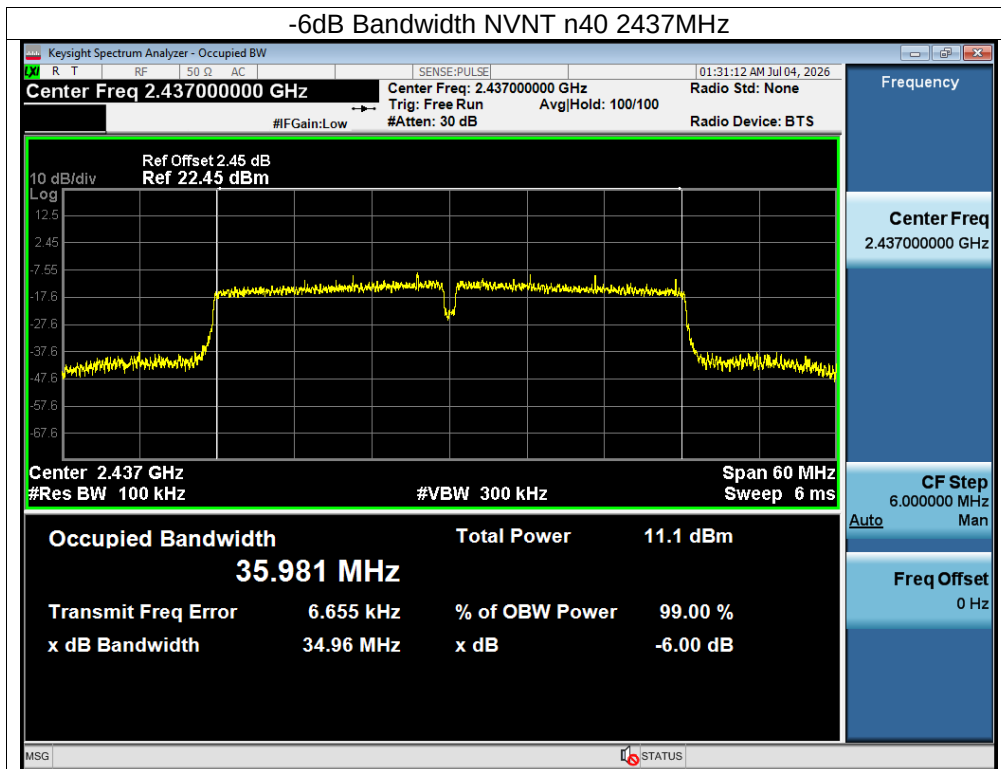


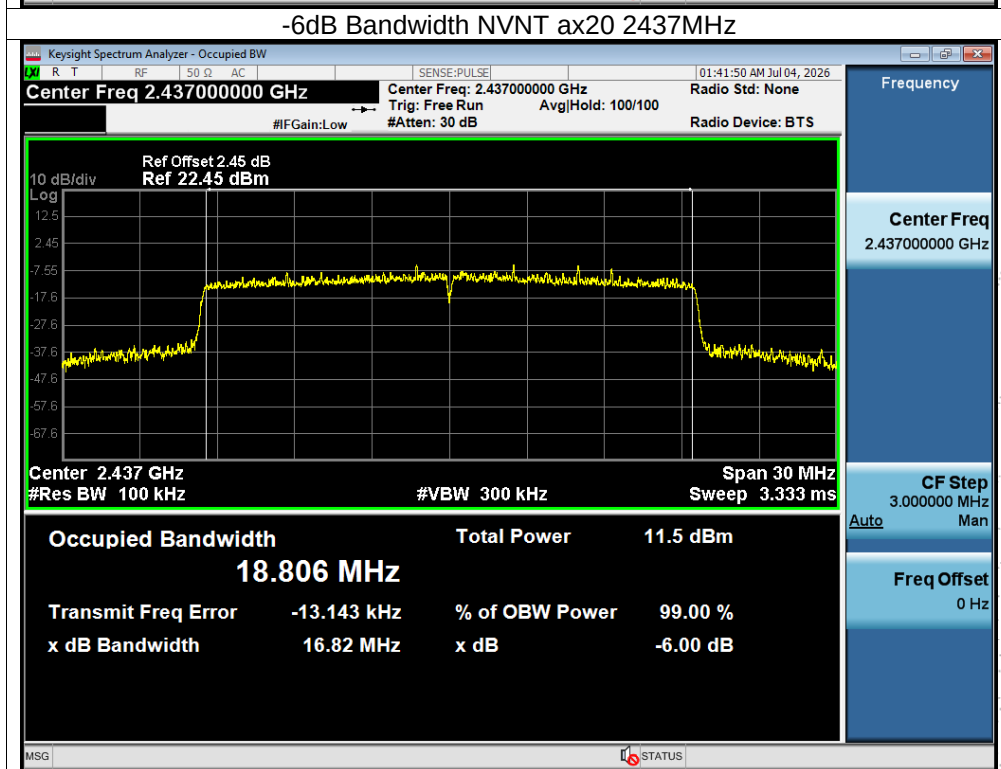
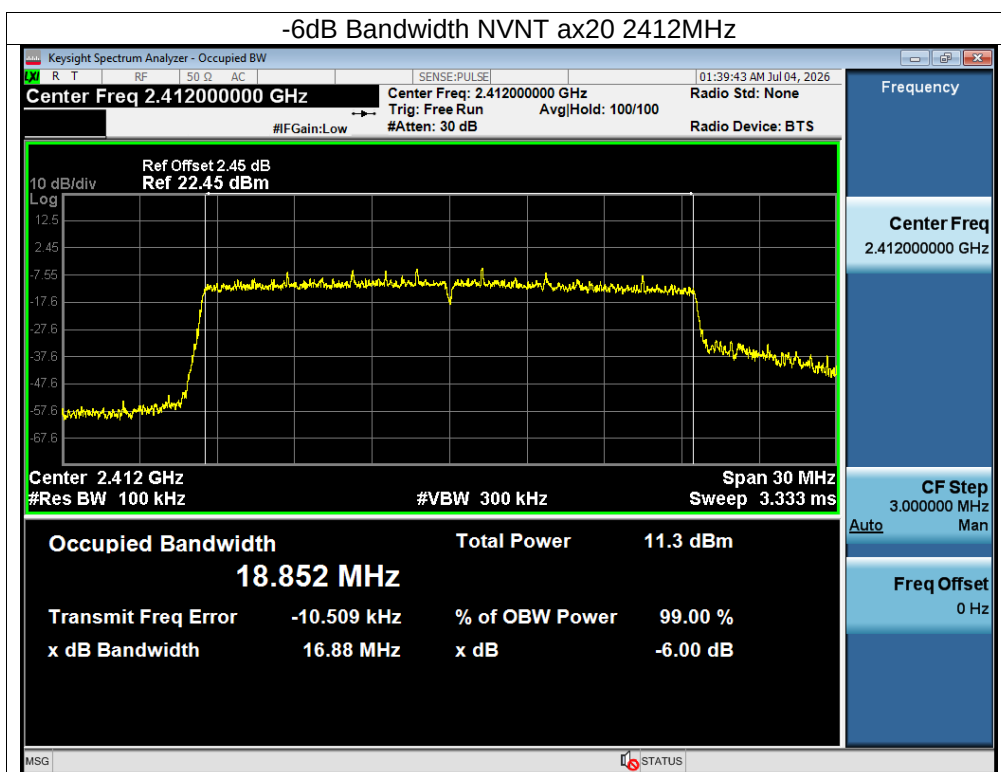


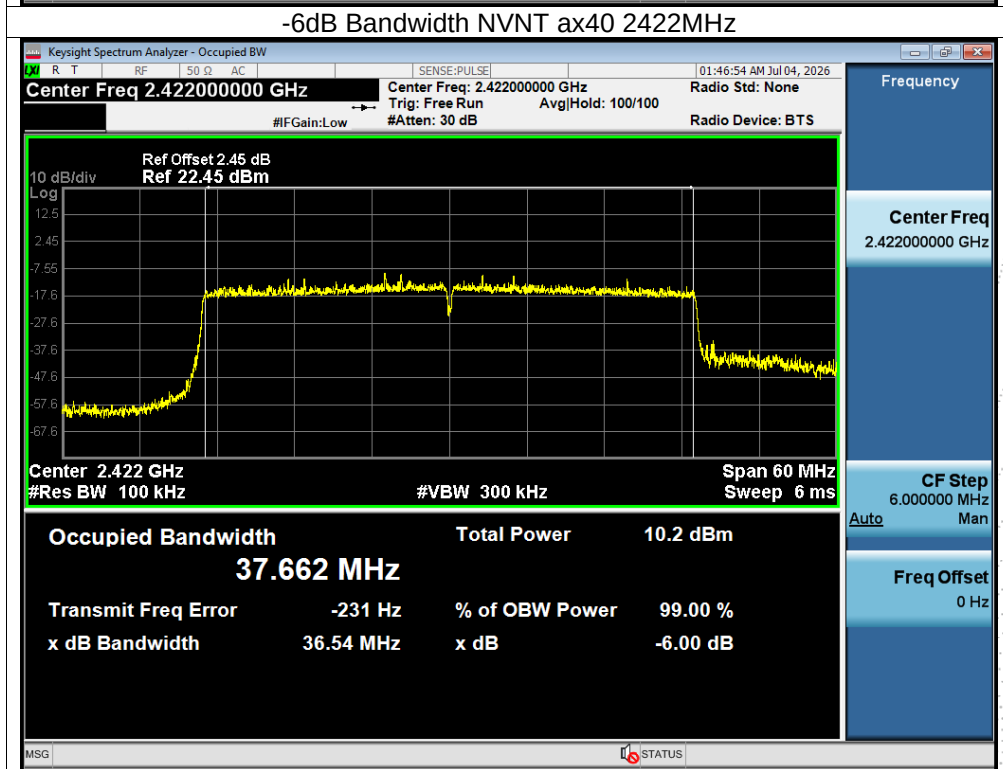
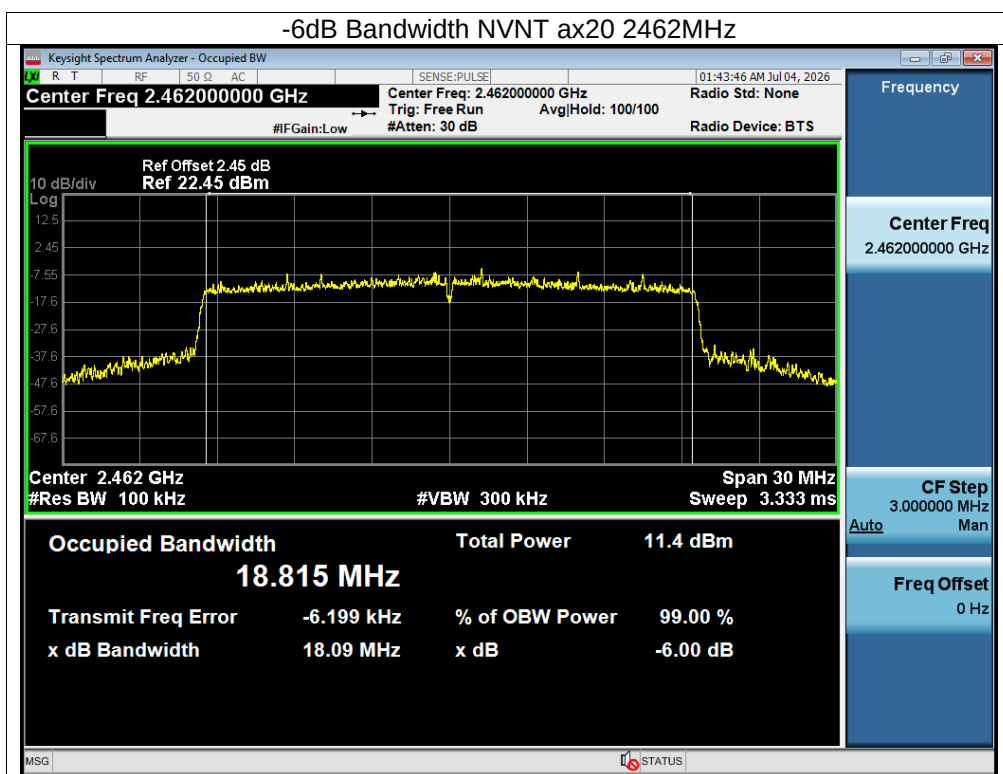


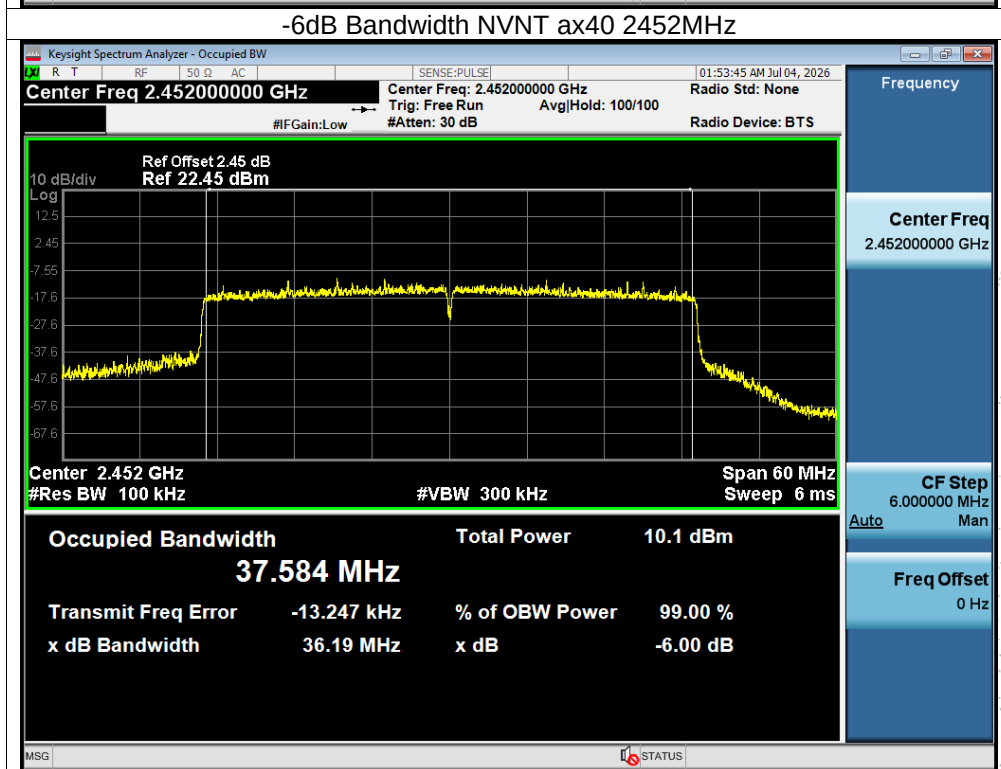
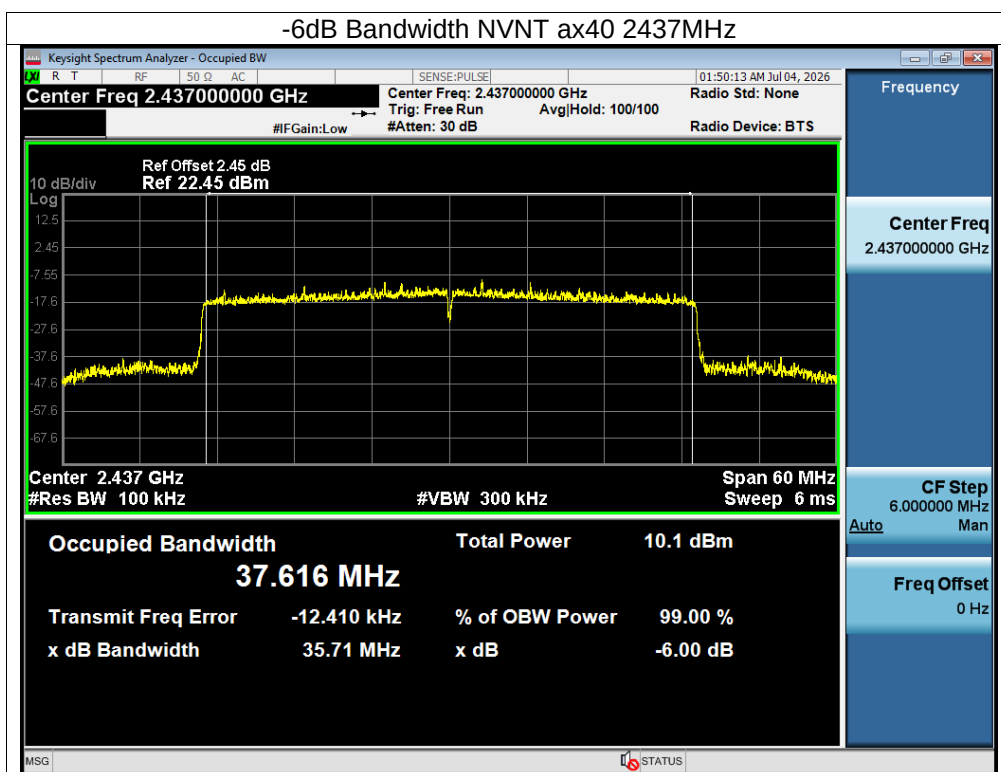


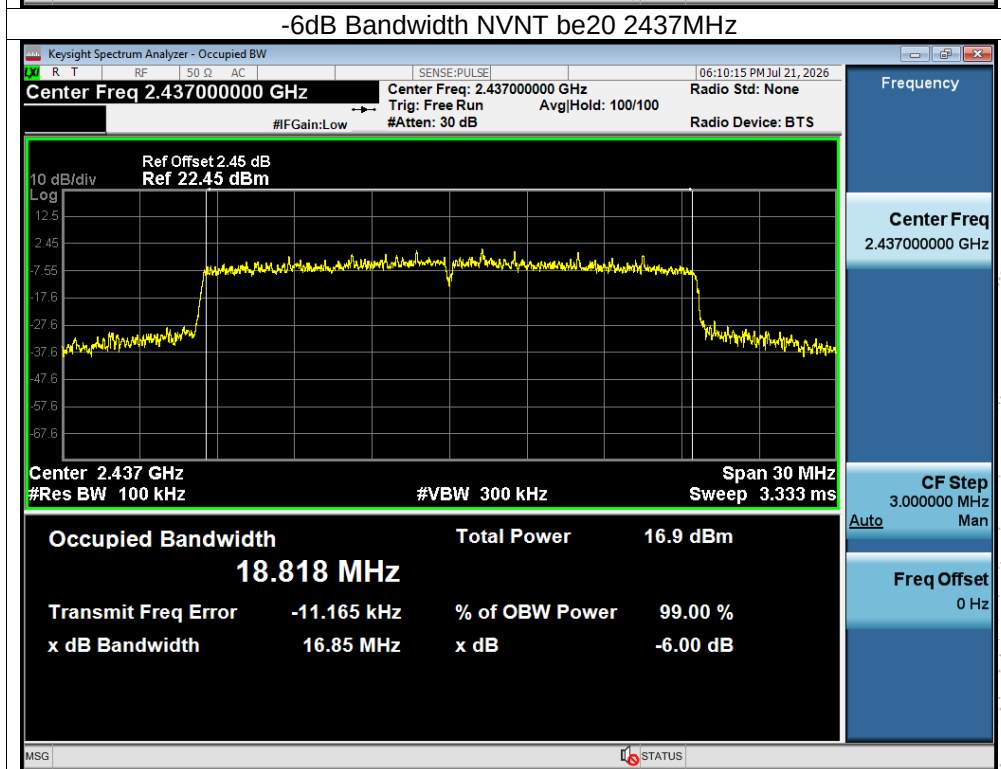
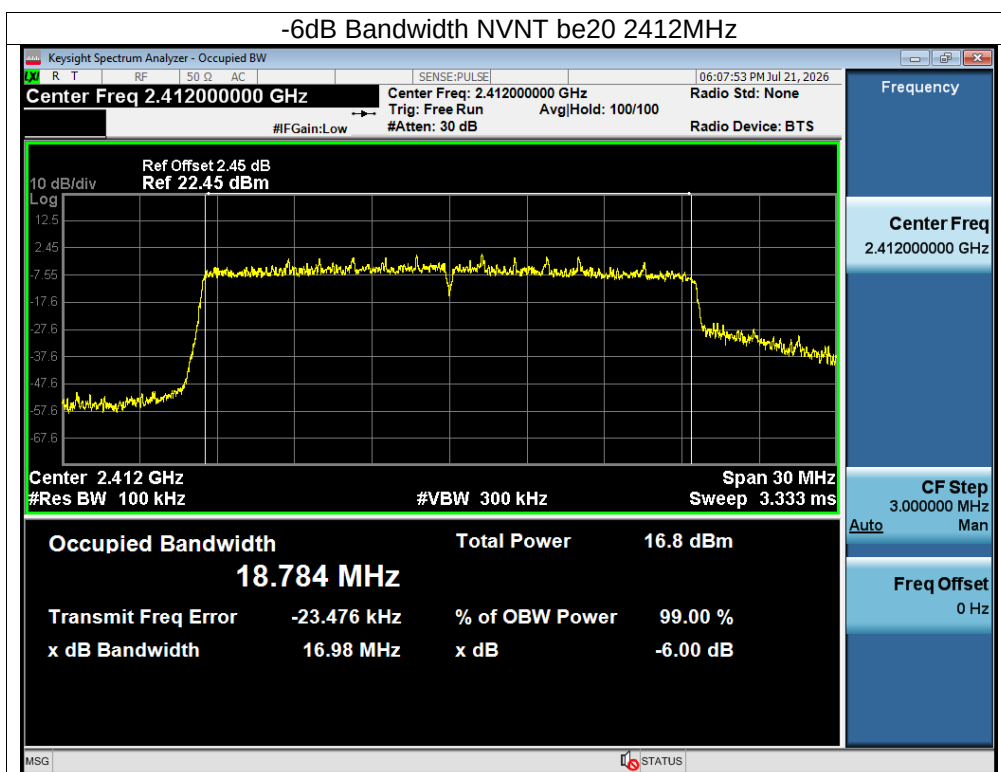


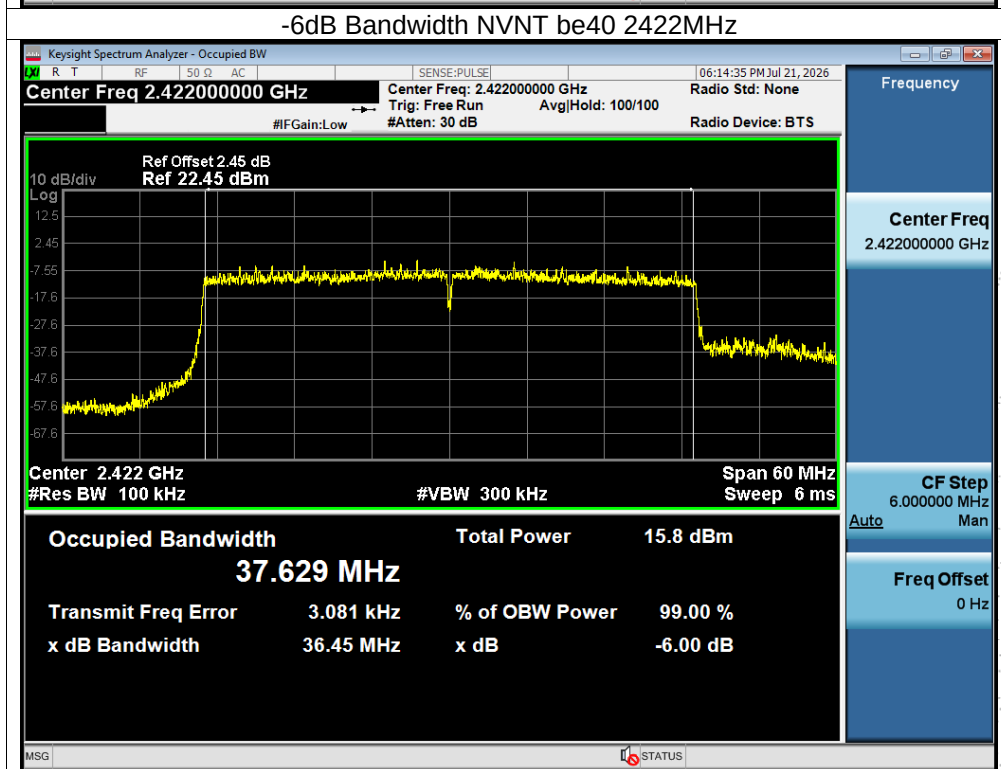
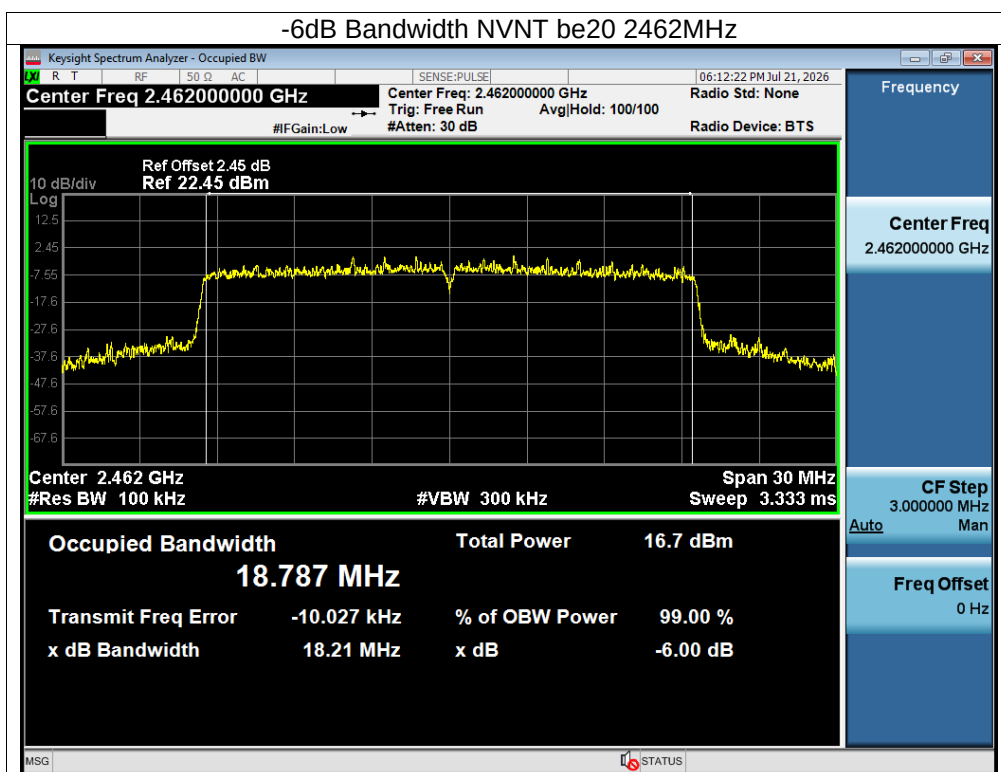


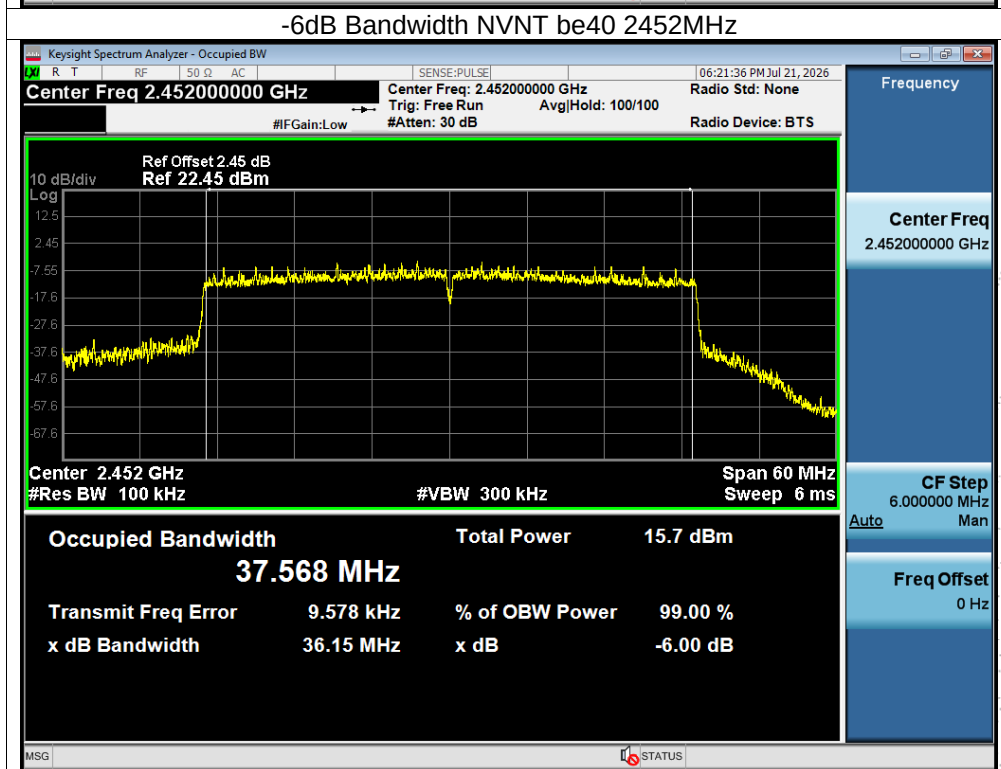
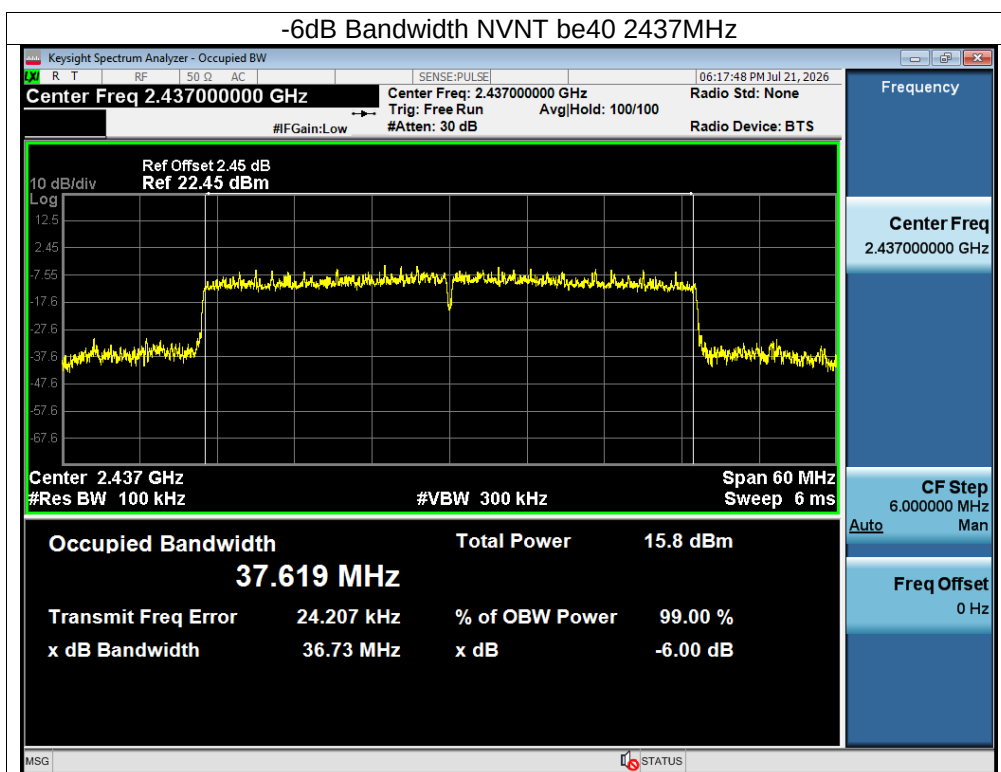












11. Peak Output Power Test

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℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz

Test Mode	Frequency(MHz)	Ant A Maximum Conducted Output Power(PK) (dBm)	Ant B Maximum Conducted Output Power(PK) (dBm)	Limit (dBm)
802.11b	2412	13.26	12.94	30
	2437	13.44	13.31	30
	2462	13.35	13.13	30
802.11g	2412	12.27	12.33	30
	2437	12.73	12.62	30
	2462	12.41	12.26	30
802.11n20	2412	10.84	10.97	30
	2437	11.39	11.24	30
	2462	11.1	10.82	30
802.11n40	2422	9.64	9.48	30
	2437	10.03	9.83	30
	2452	9.88	9.69	30
802.11ax20	2412	10.95	10.69	30
	2437	11.39	10.99	30
	2462	11.18	10.92	30
802.11ax40	2422	9.77	9.7	30
	2437	9.96	9.73	30
	2452	9.9	9.62	30
802.11be20	2412	15.1	15.7	30
	2437	15.07	15.89	30
	2462	15.11	15.75	30
802.11be40	2422	13.67	14.77	30
	2437	14.1	14.62	30
	2452	14.24	14.69	30

MIMO

Test Mode	Frequency	Maximum Conducted Output Power(PK) (dBm)	Limit (dBm)	Result
802.11n20	2412 MHz	13.92	30	PASS
	2437 MHz	14.33	30	PASS
	2462 MHz	13.97	30	PASS
802.11n40	2422 MHz	12.57	30	PASS
	2437 MHz	12.94	30	PASS
	2452 MHz	12.80	30	PASS
802.11ax20	2412 MHz	13.83	30	PASS
	2437 MHz	14.20	30	PASS
	2462 MHz	14.06	30	PASS
802.11ax40	2422 MHz	12.75	30	PASS
	2437 MHz	12.86	30	PASS
	2452 MHz	12.77	30	PASS
802.11be20	2412 MHz	18.42	30	PASS
	2437 MHz	18.51	30	PASS
	2462 MHz	18.45	30	PASS
802.11be40	2422 MHz	17.27	30	PASS
	2437 MHz	17.38	30	PASS
	2452 MHz	17.48	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..

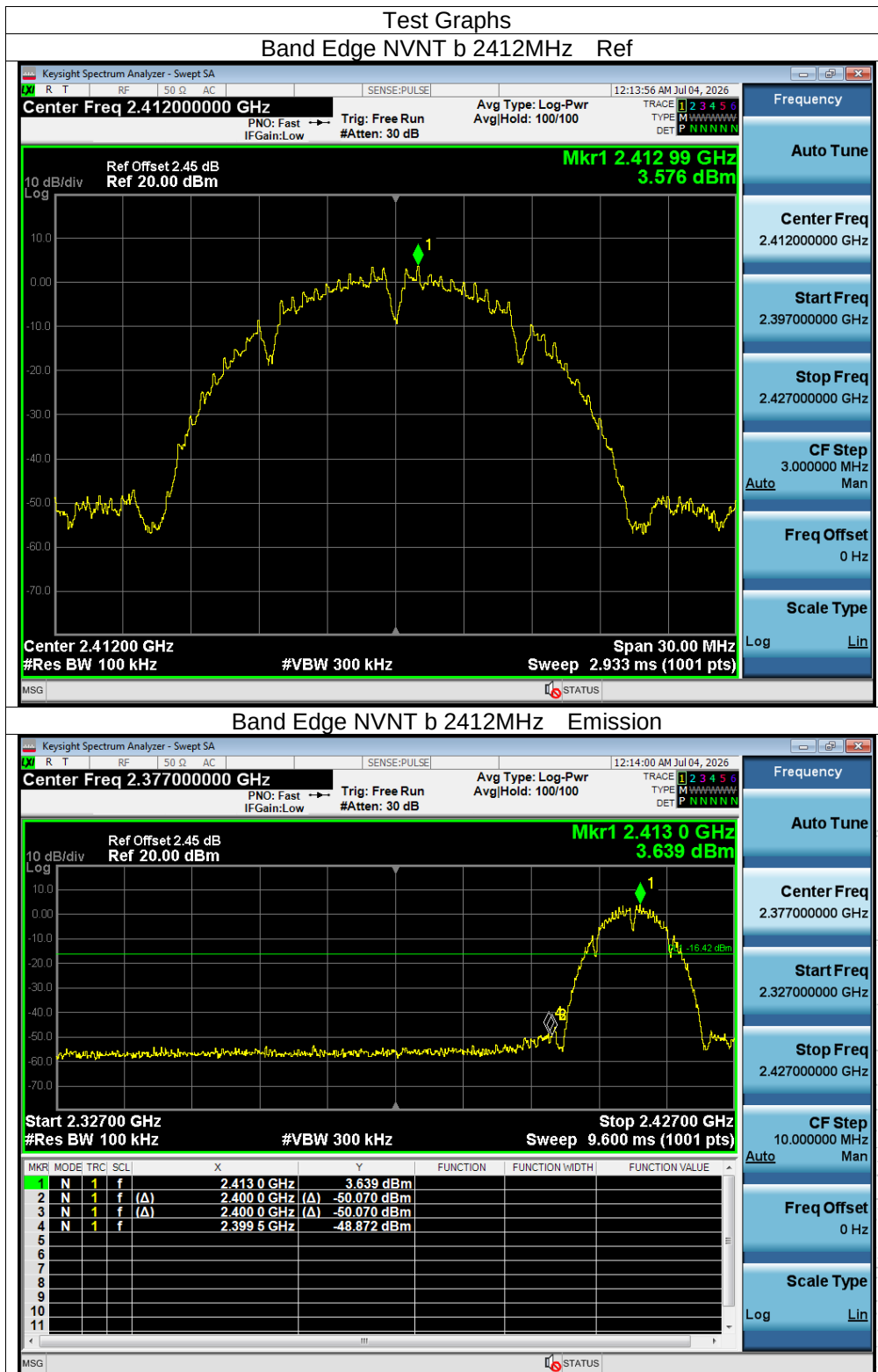
12.4 EUT Operating Conditions

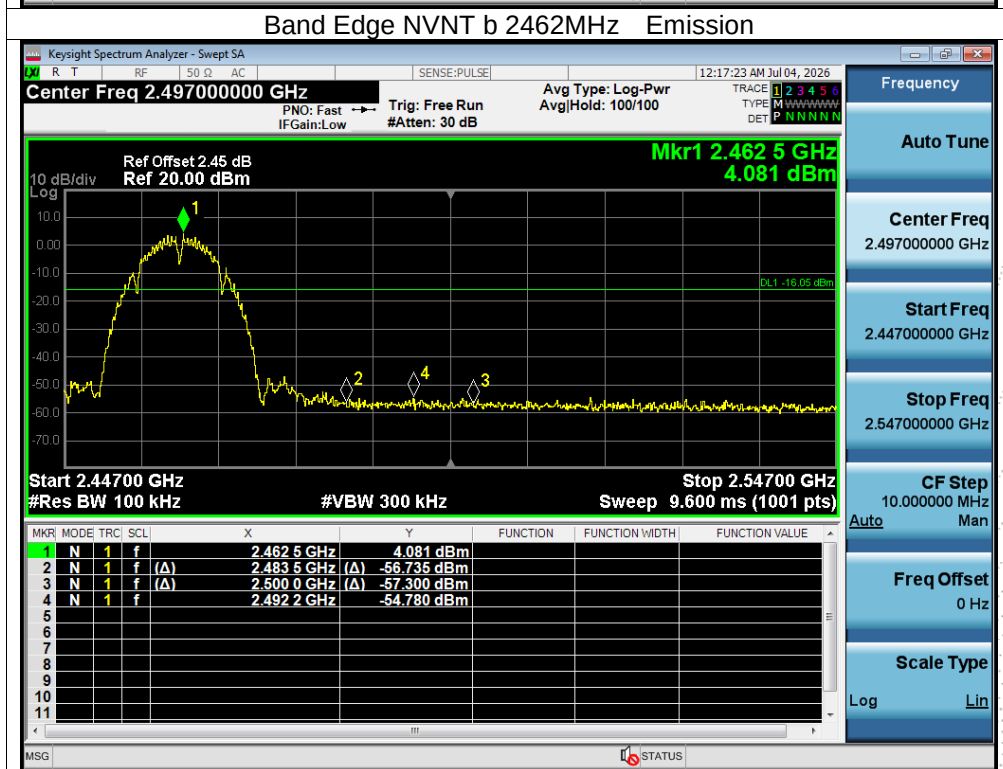
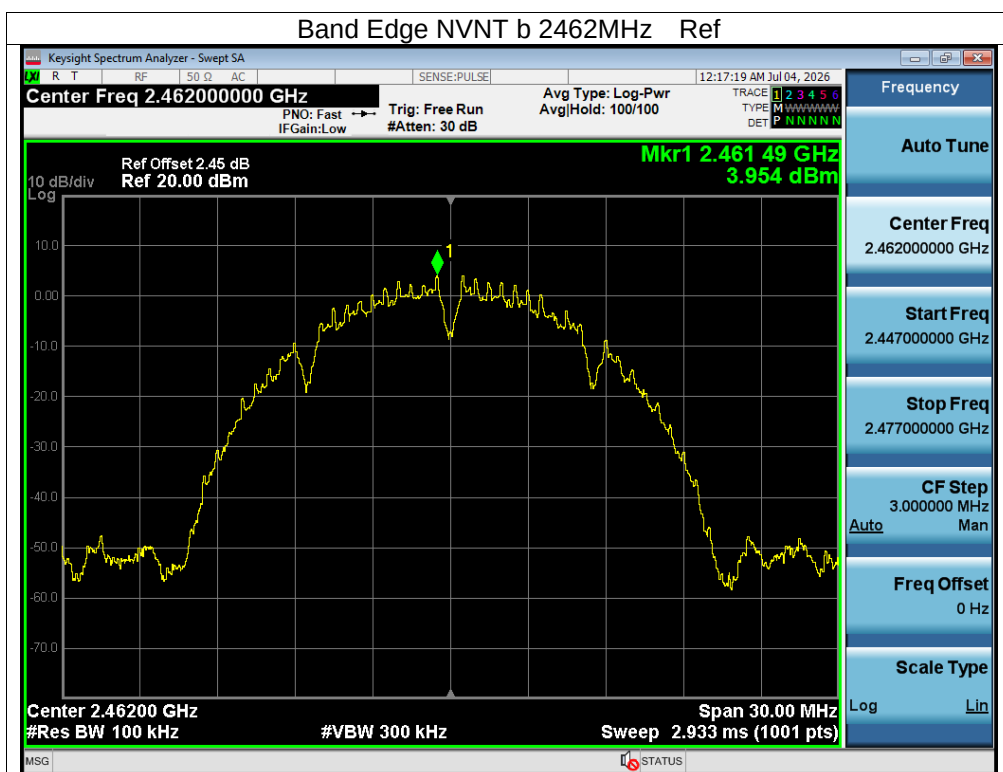
The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

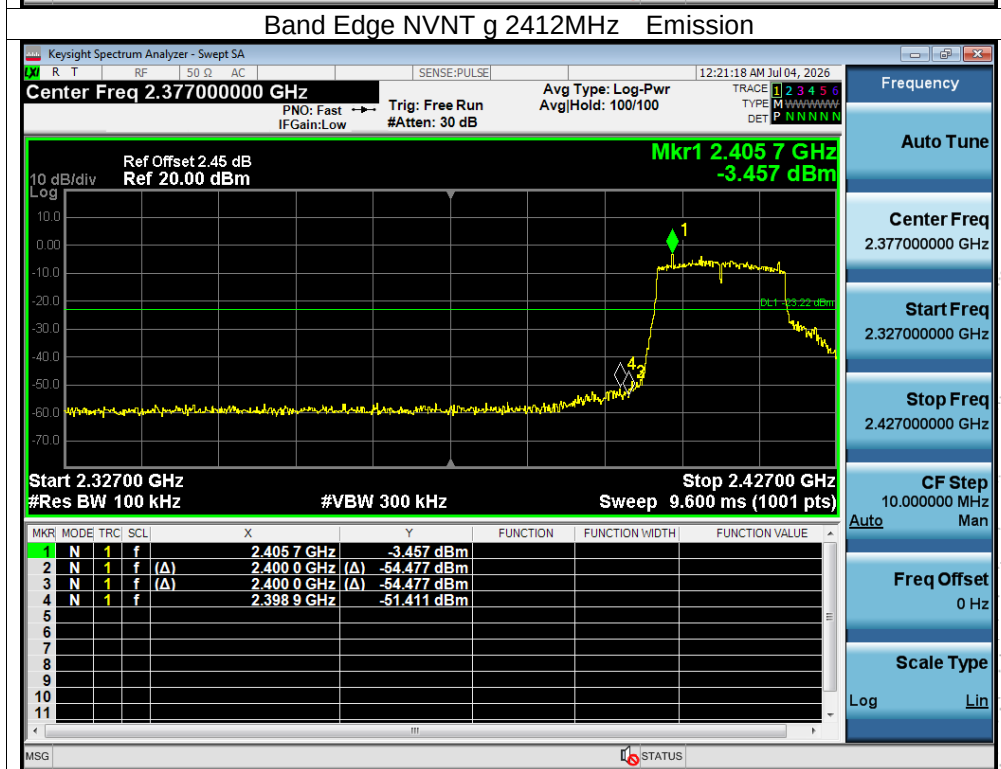
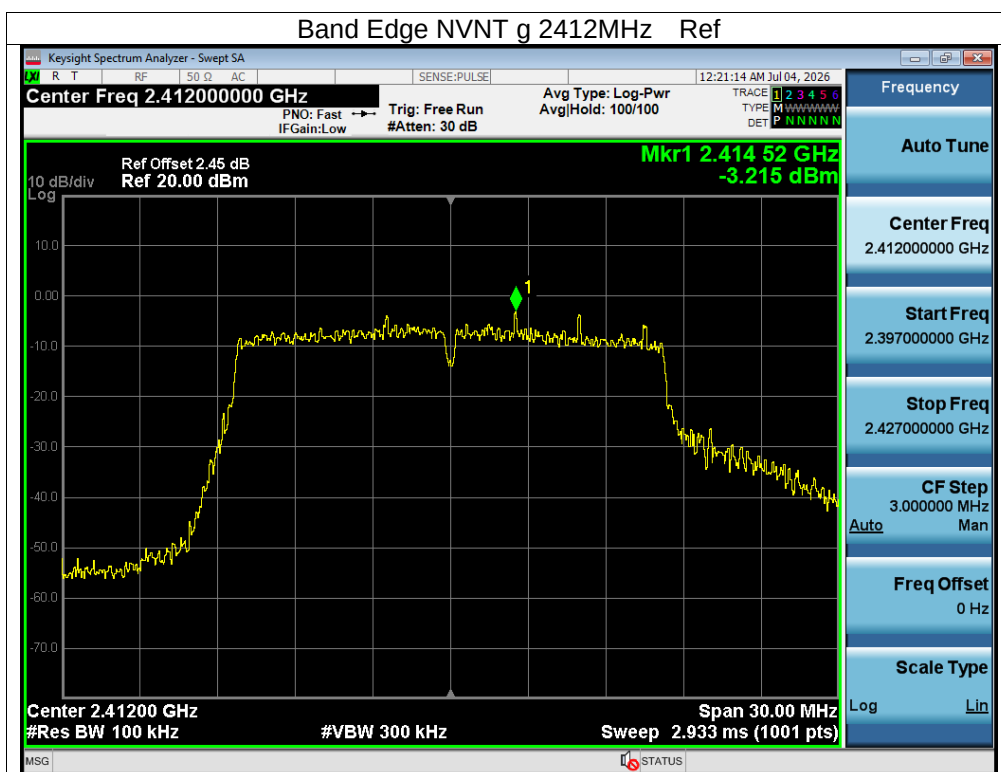
Note: Power Spectral Density(dBm)=Reading+Cable Loss

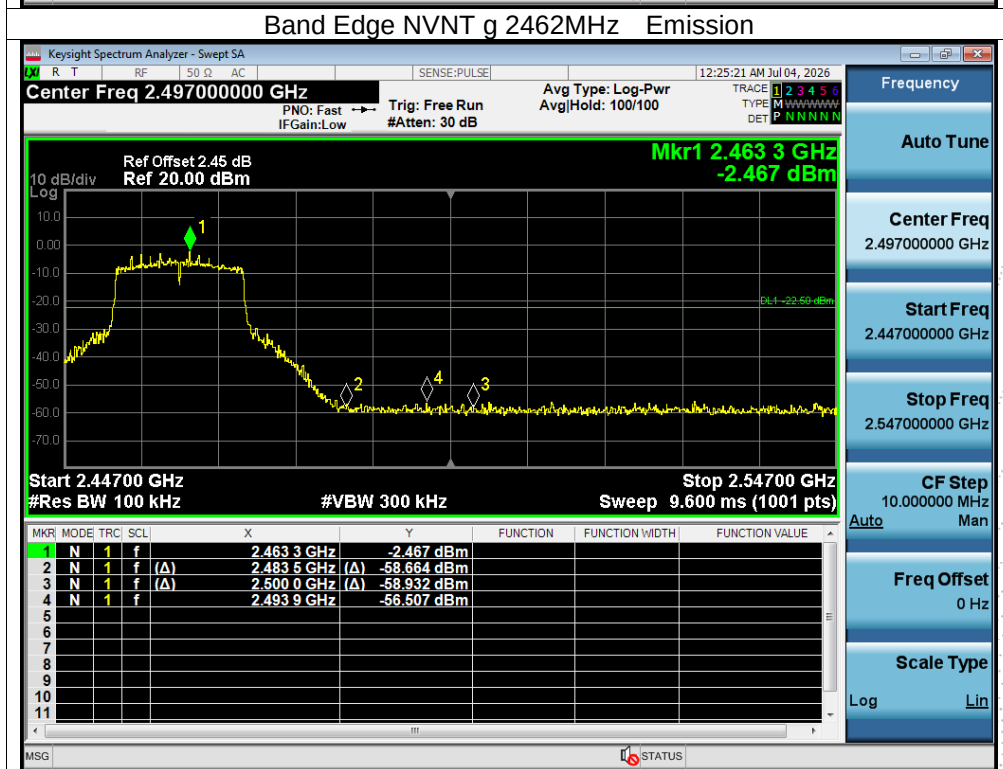
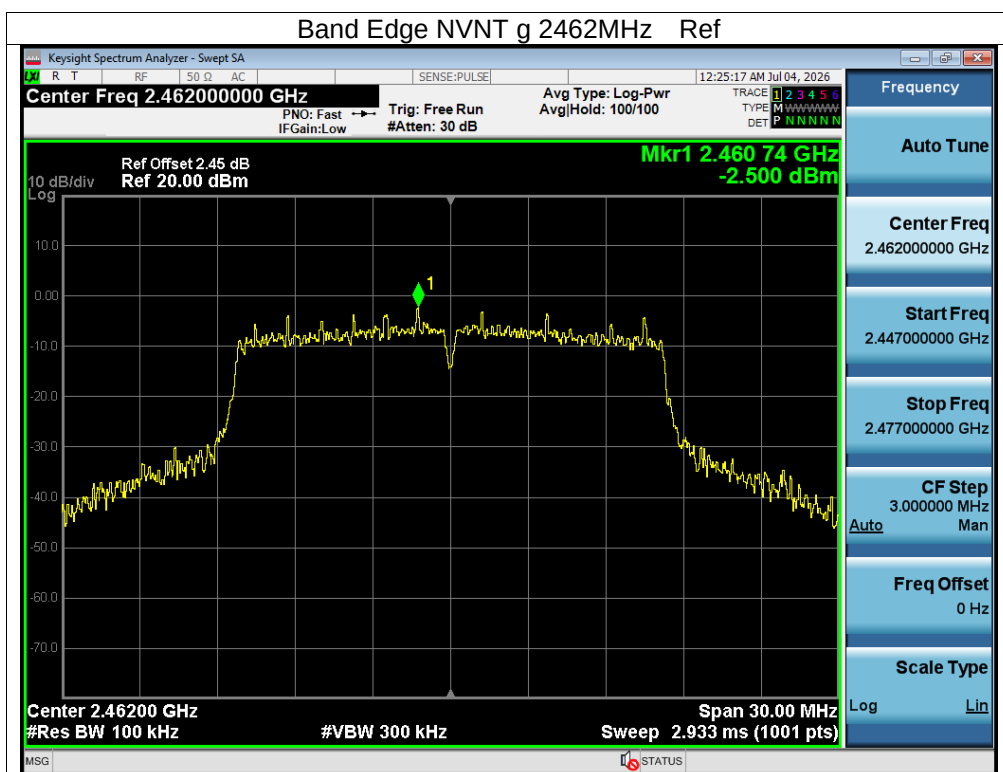
12.5 Test Result

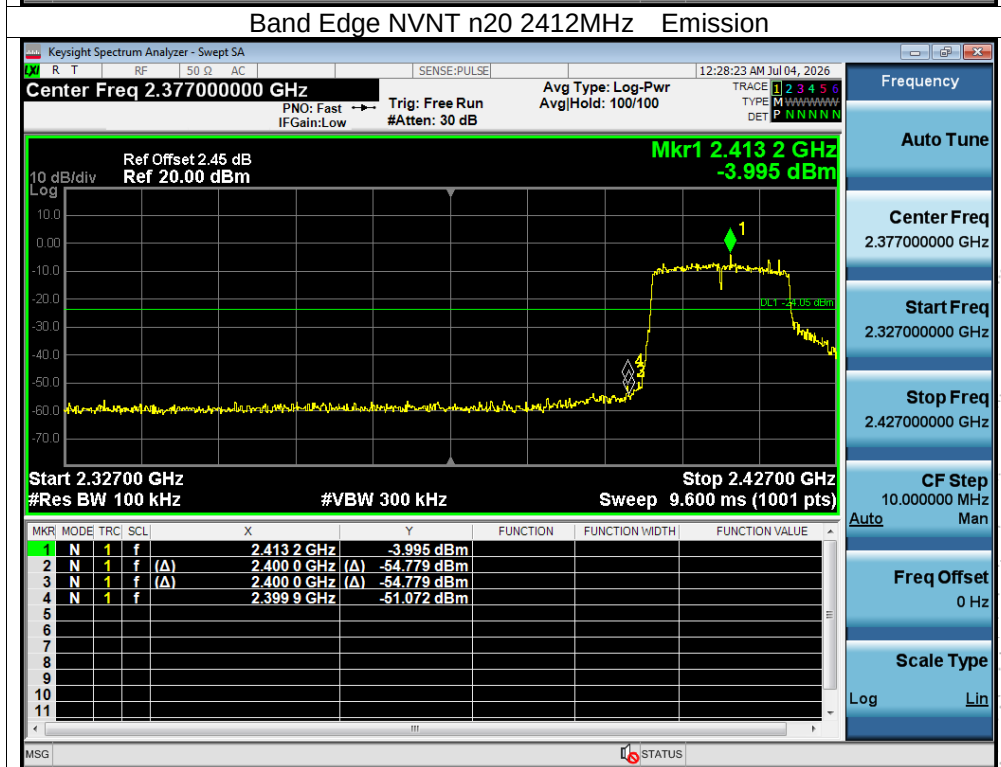
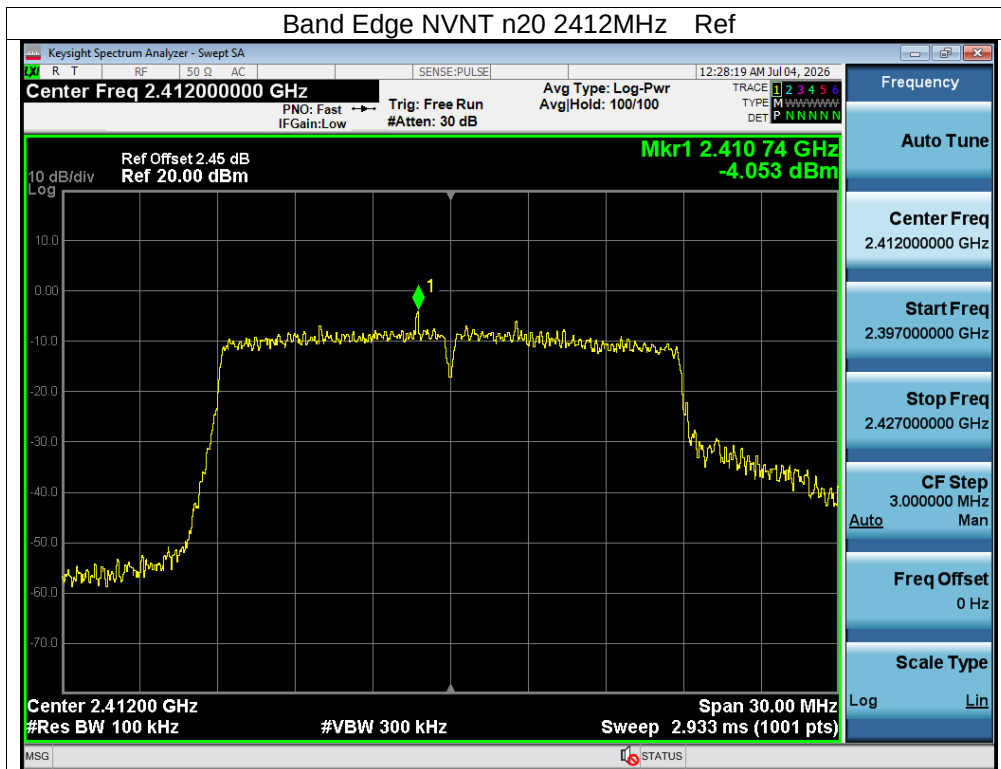
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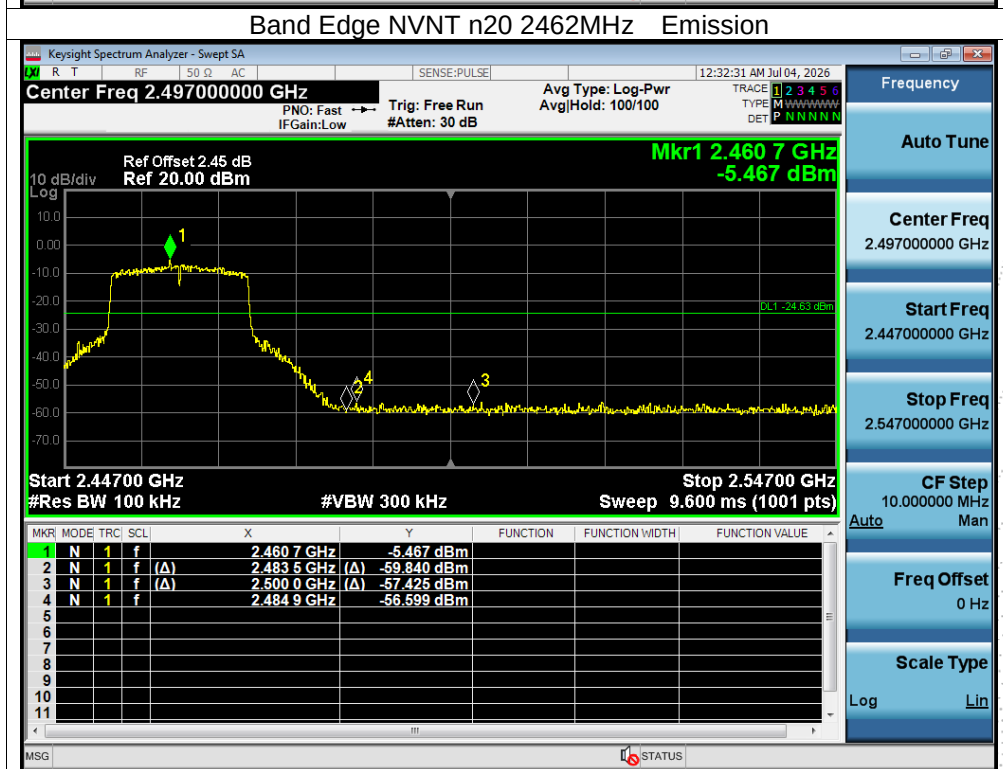
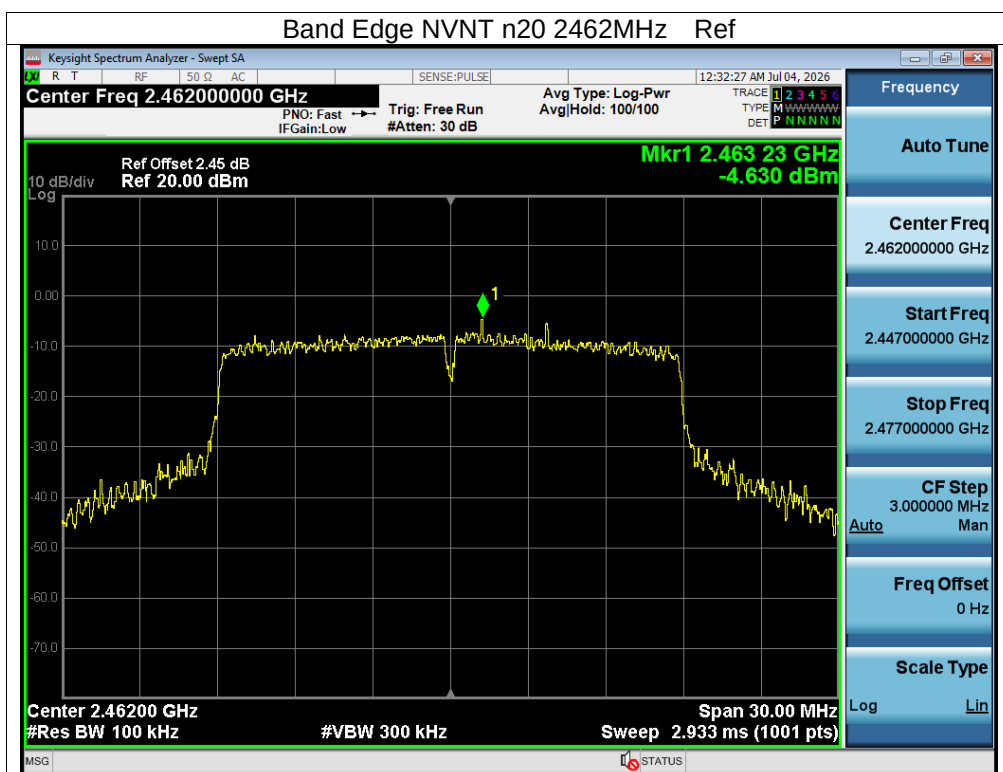


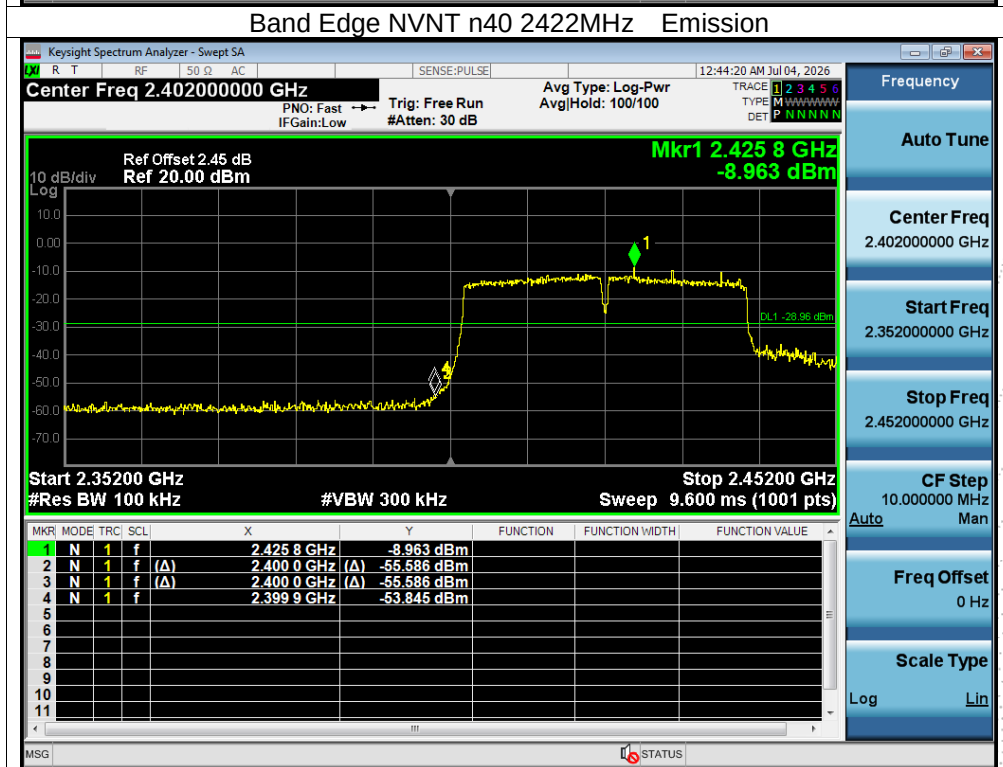
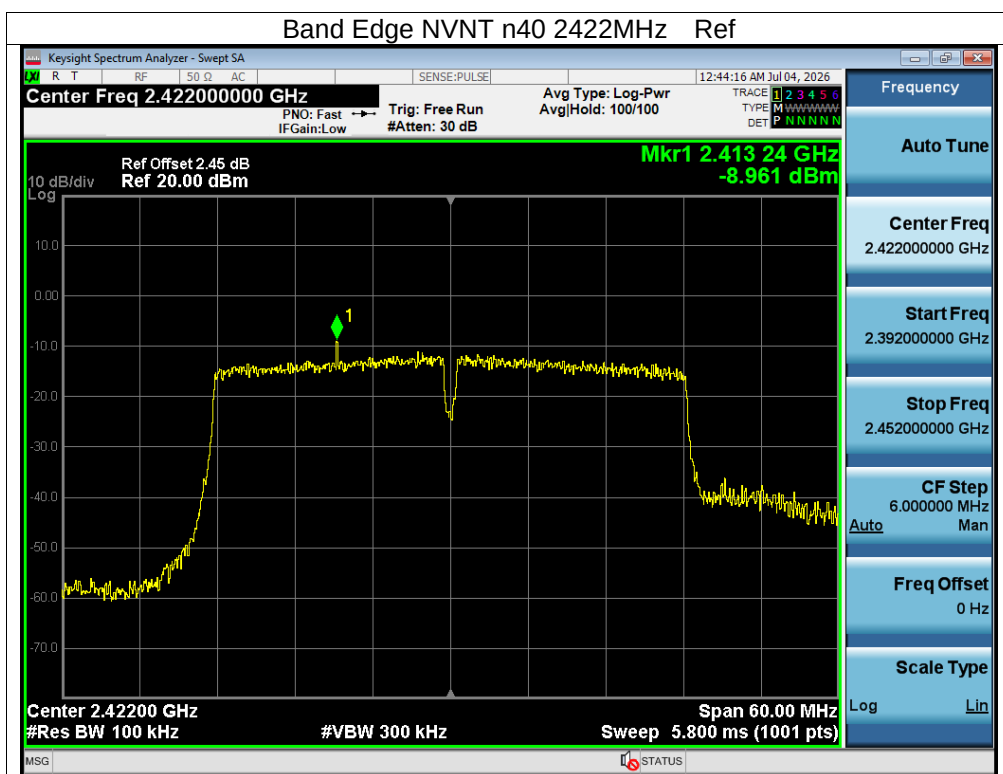


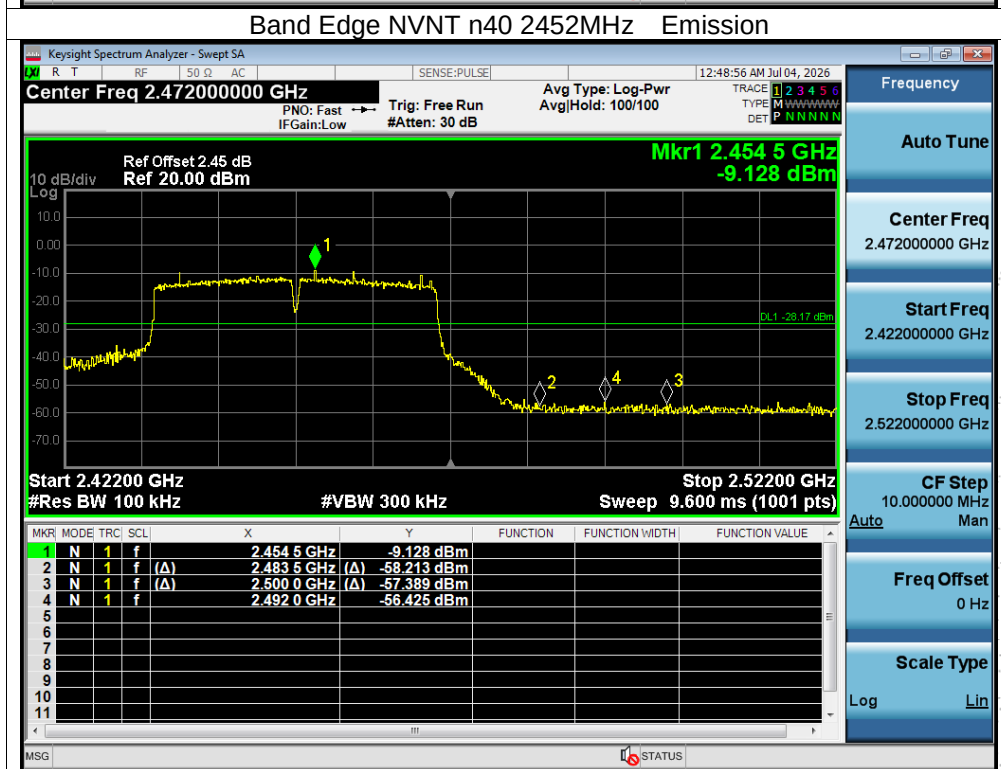
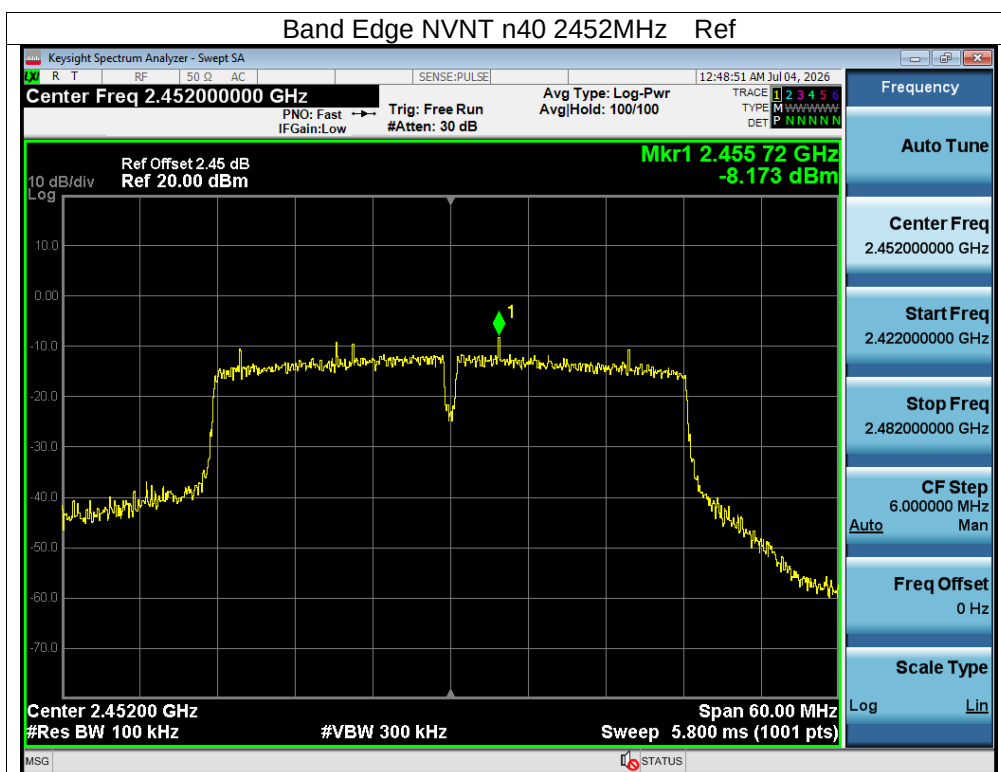


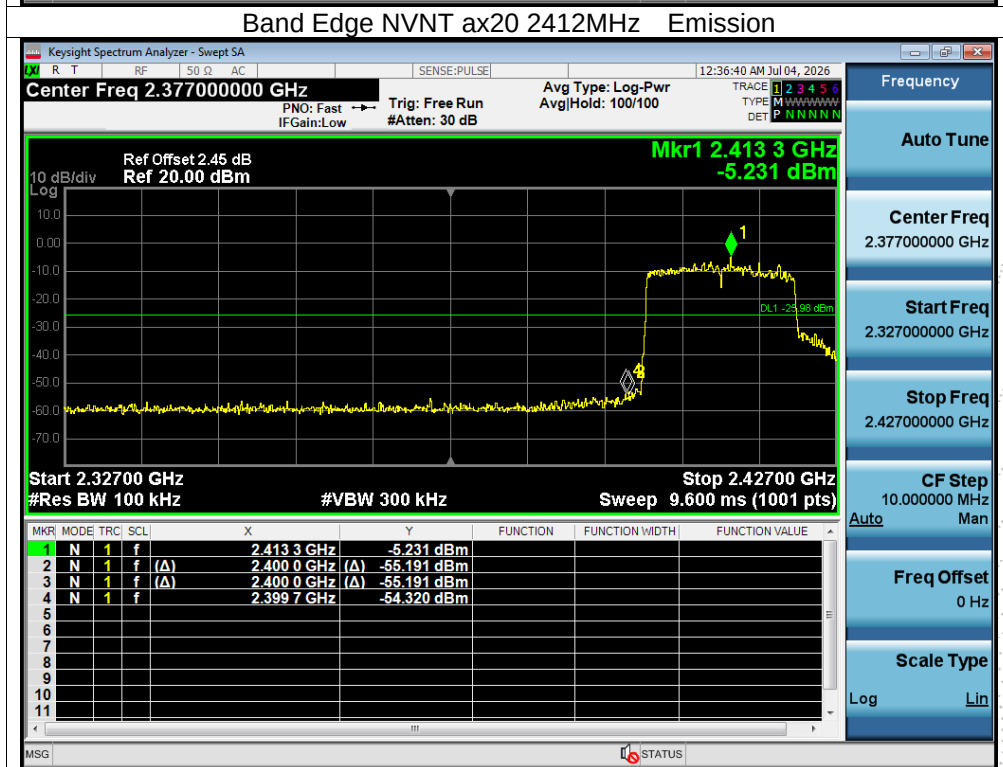
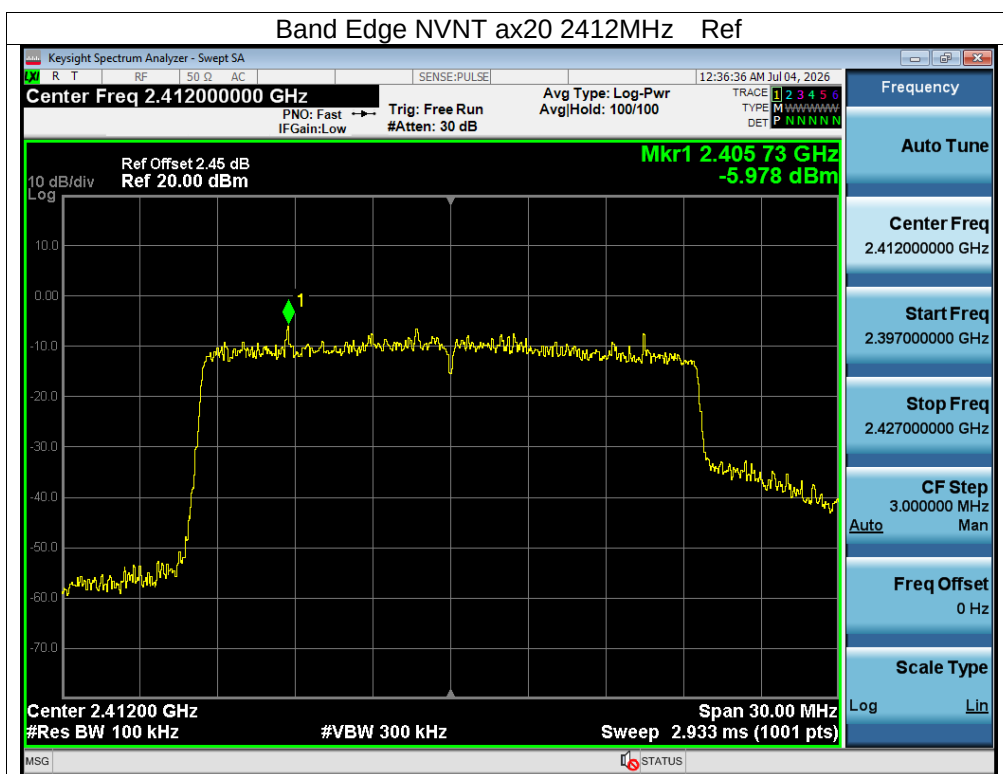


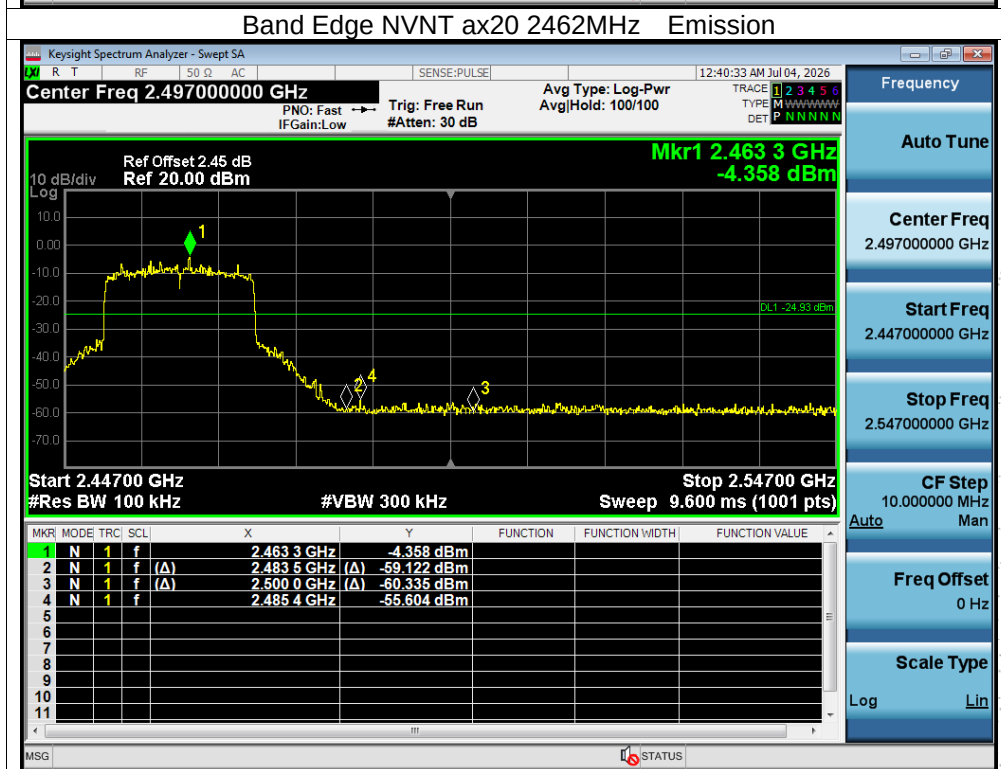
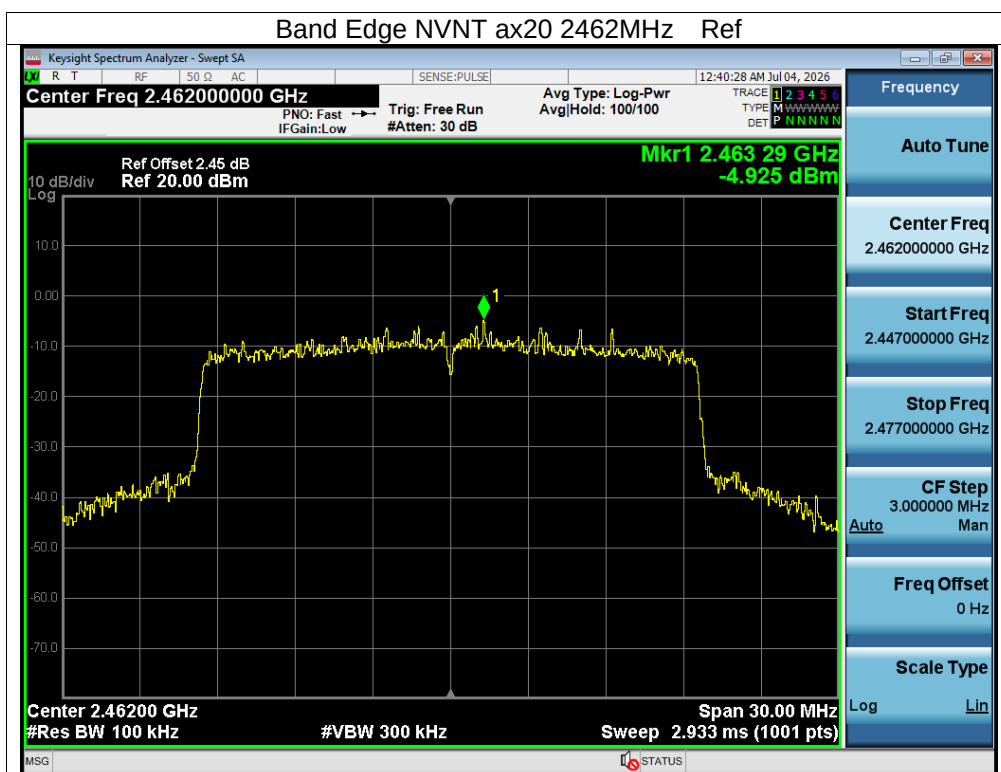


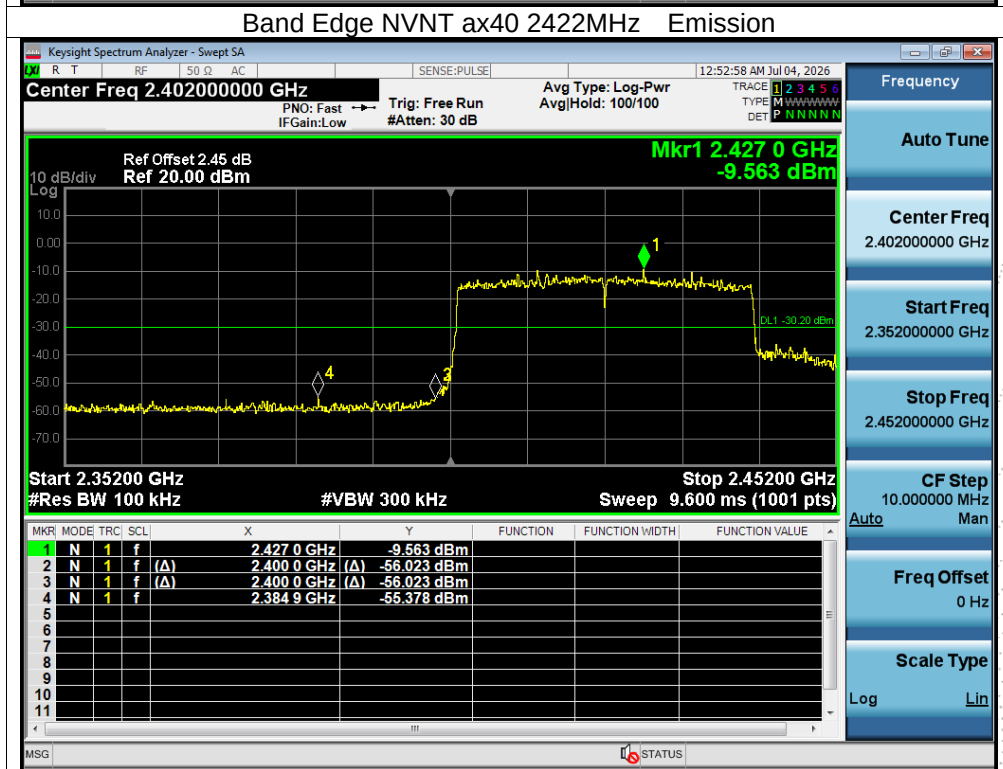
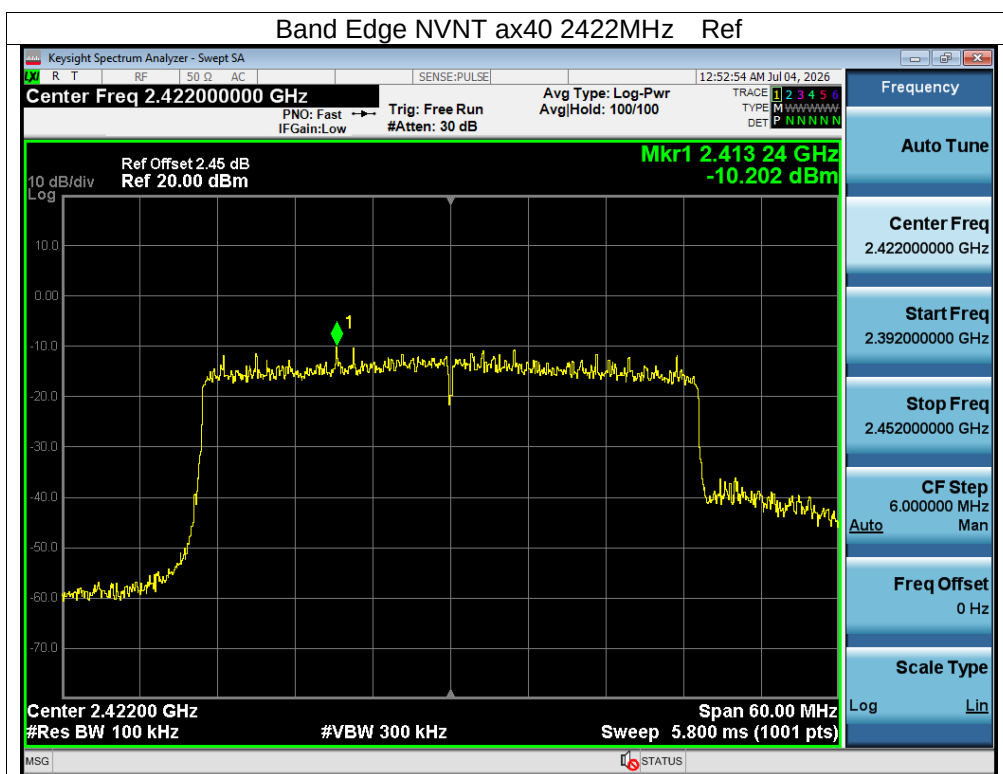


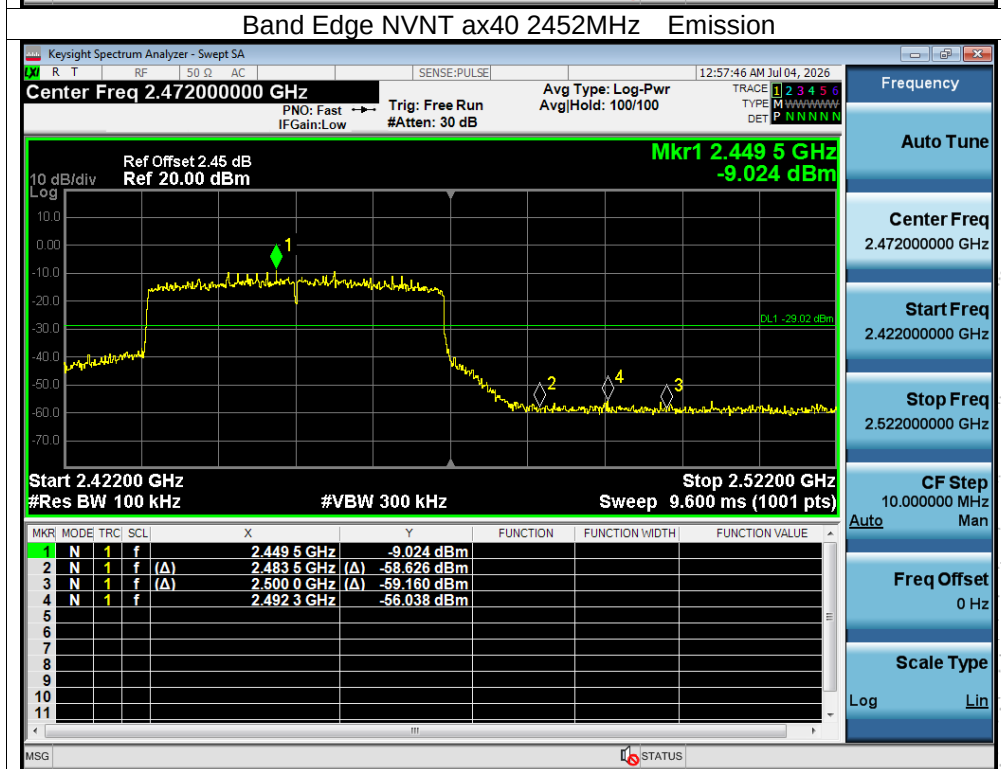
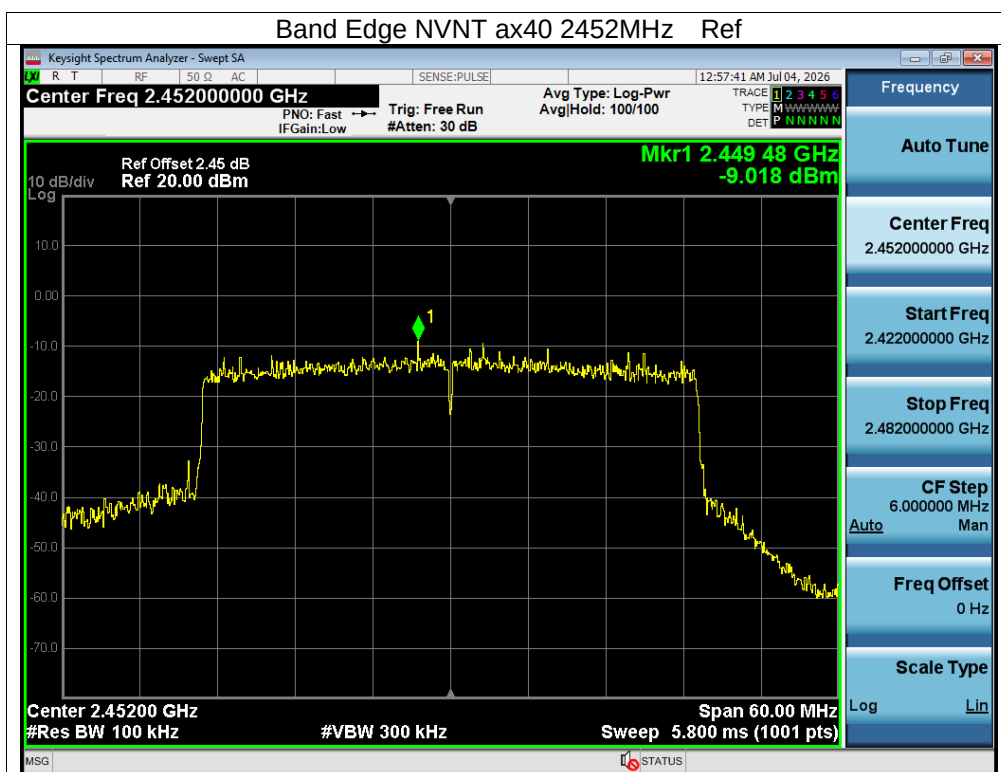


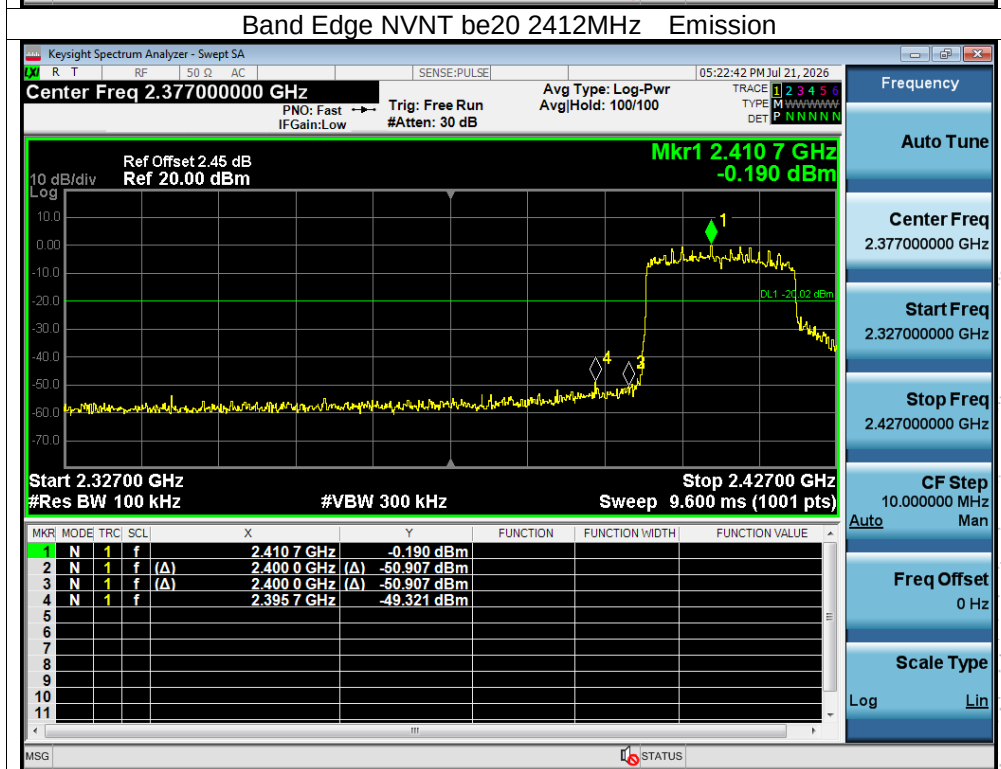
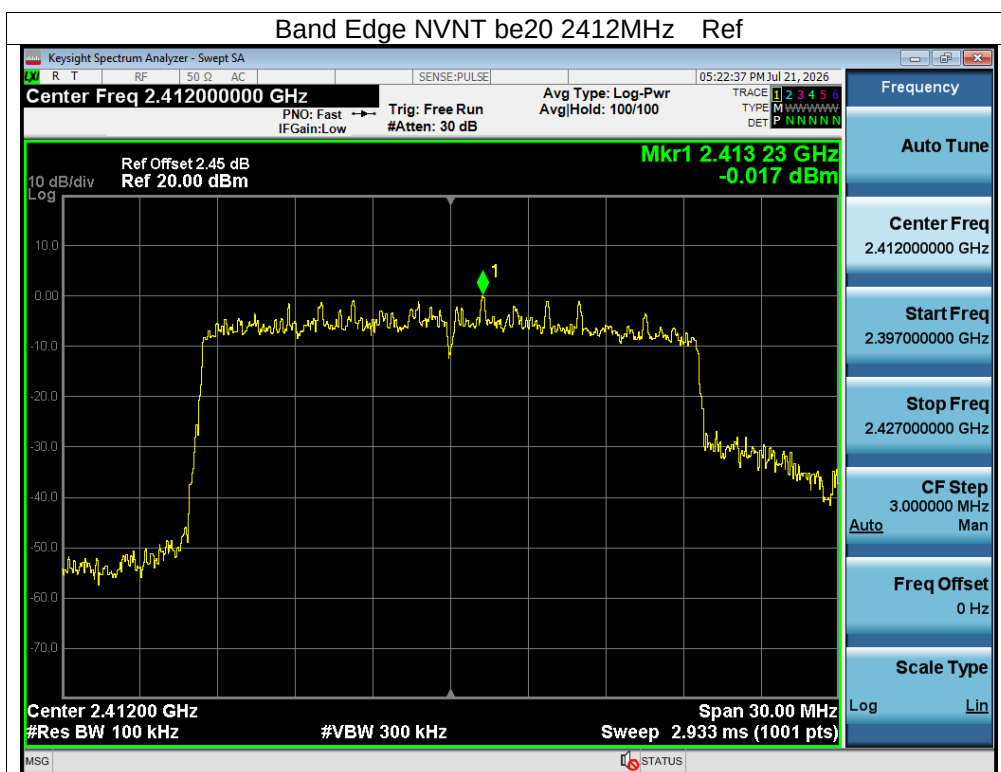


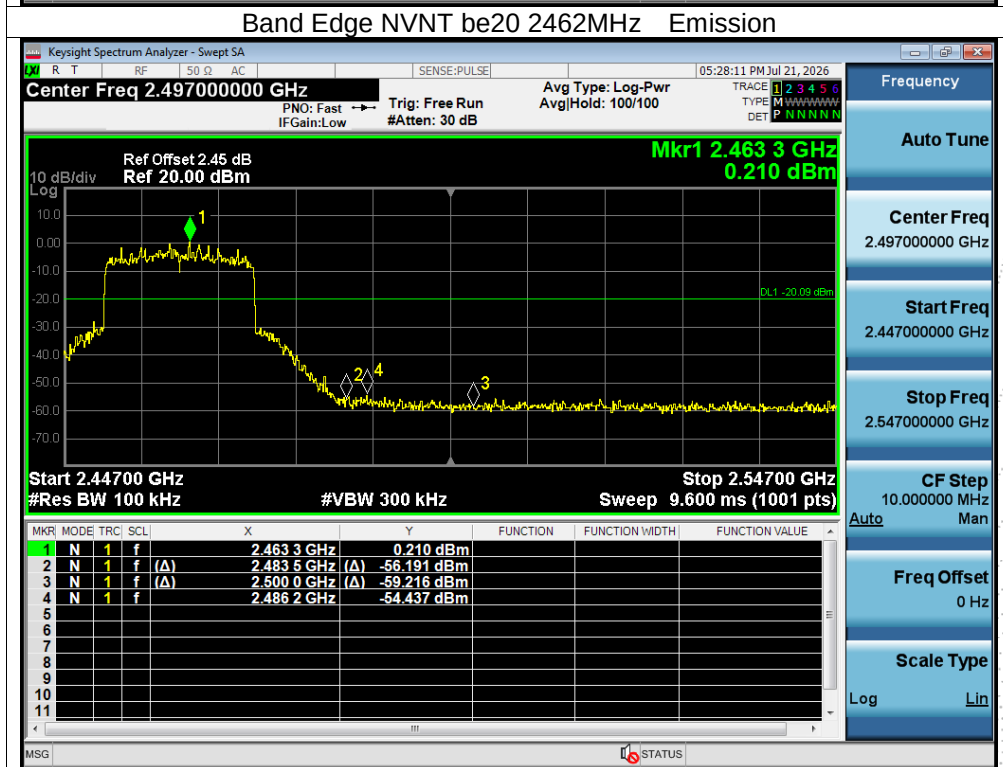
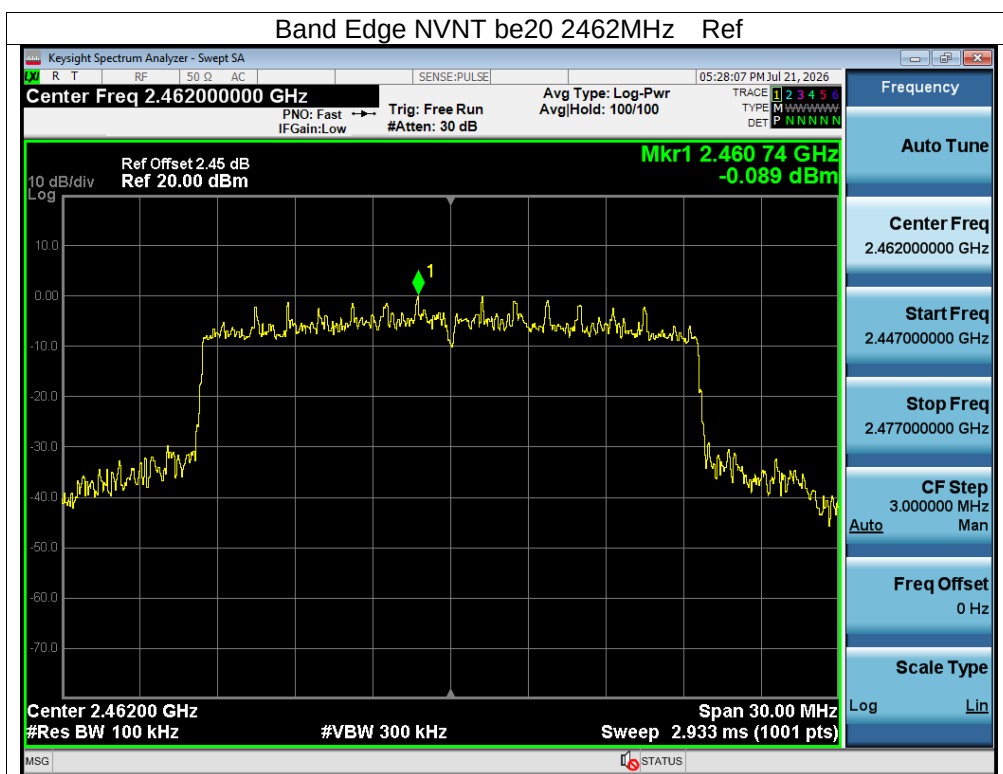


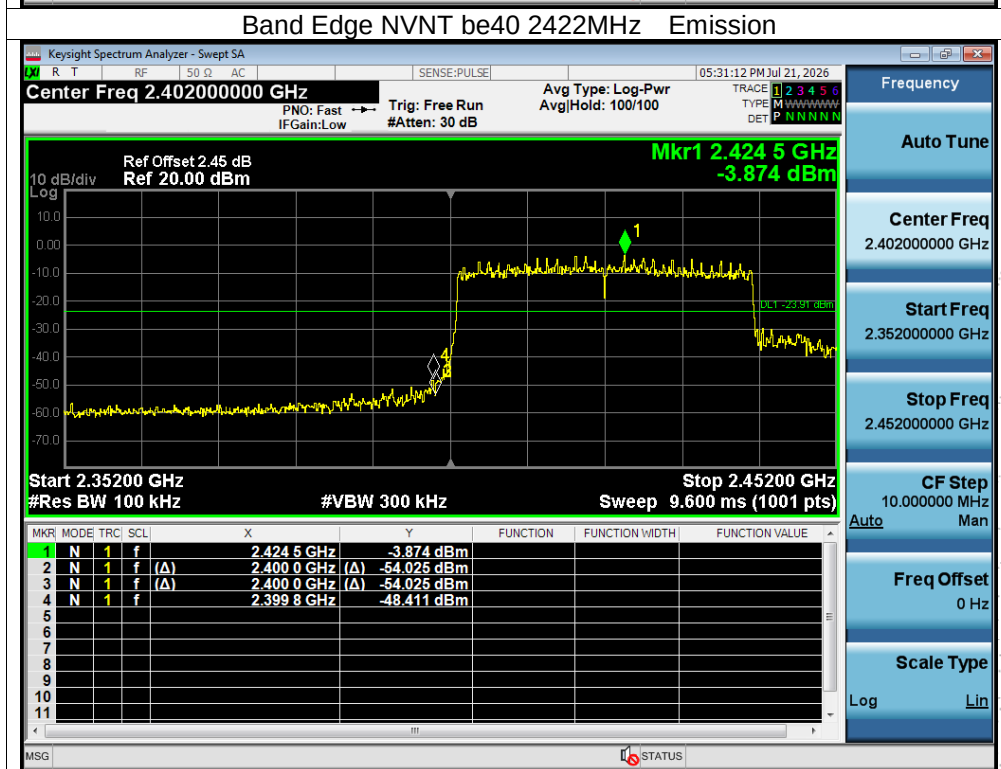
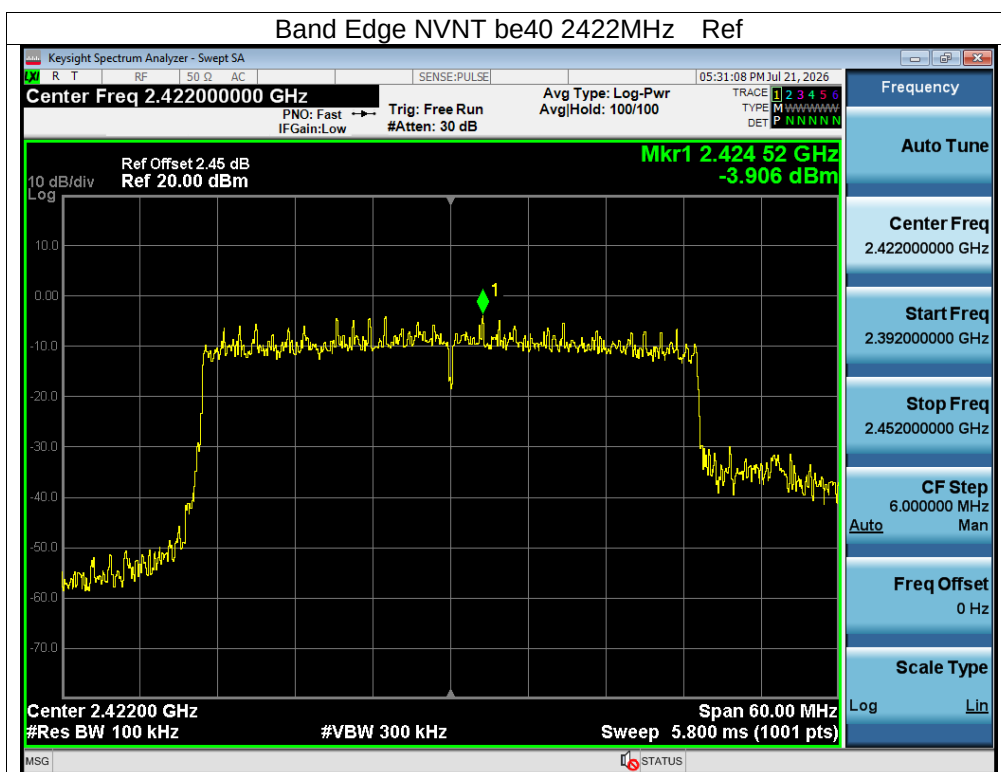


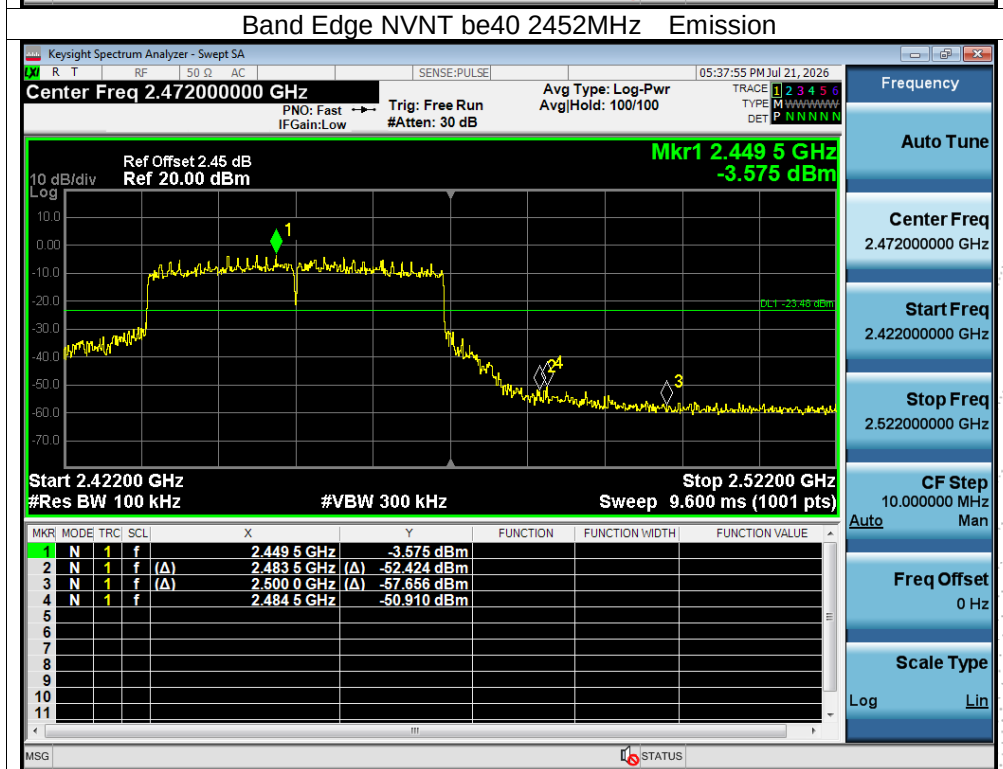
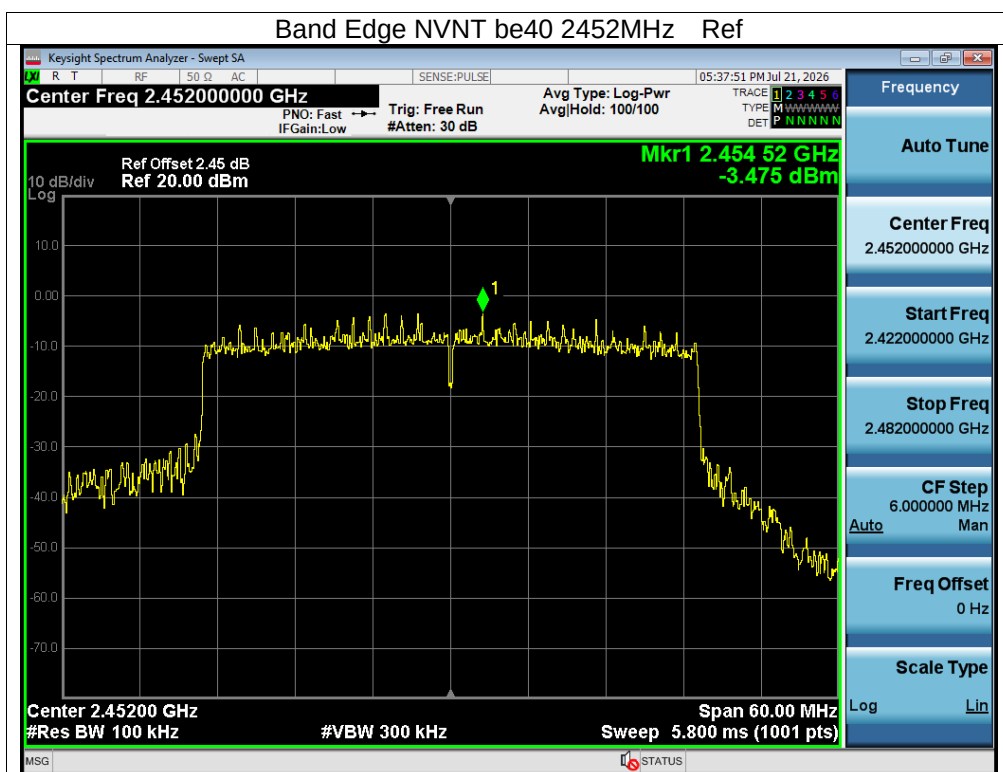












Conducted RF Spurious Emission
Test Graphs
Tx. Spurious NVNT b 2412MHz Ref

Tx. Spurious NVNT b 2412MHz Emission
