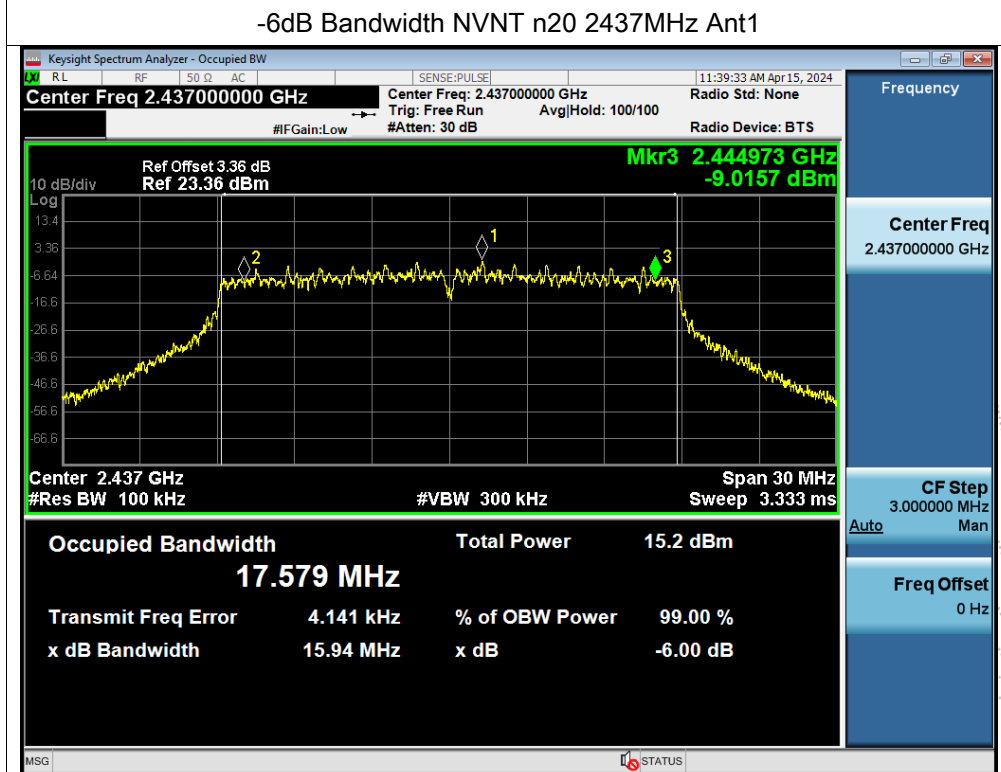
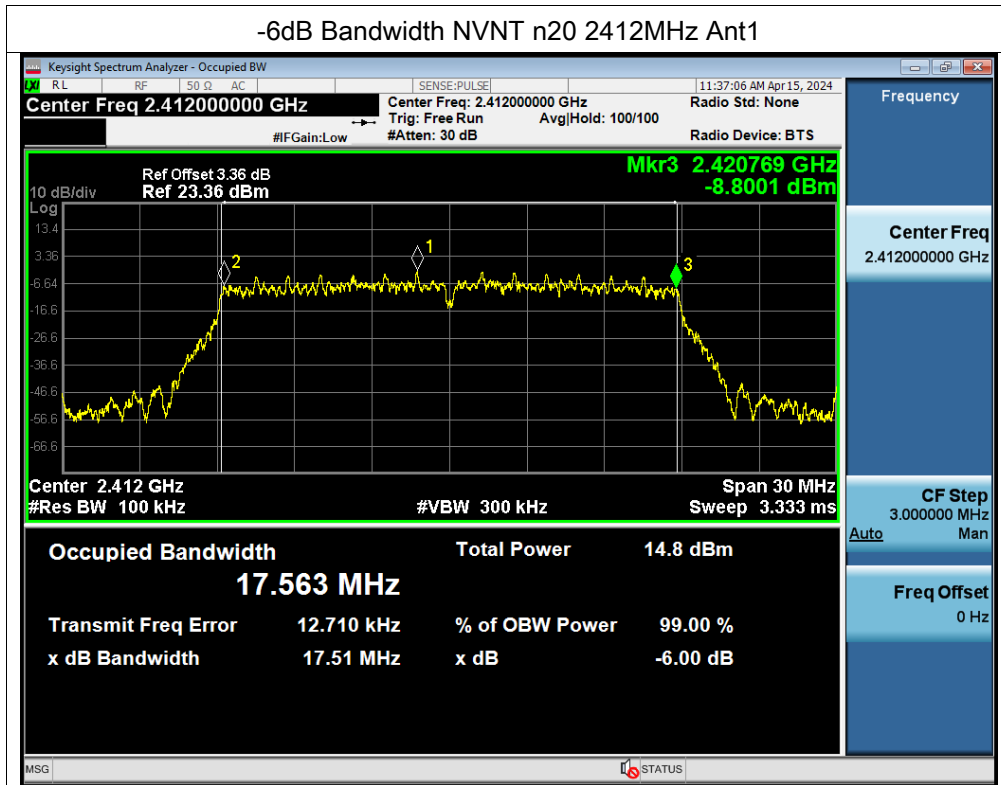
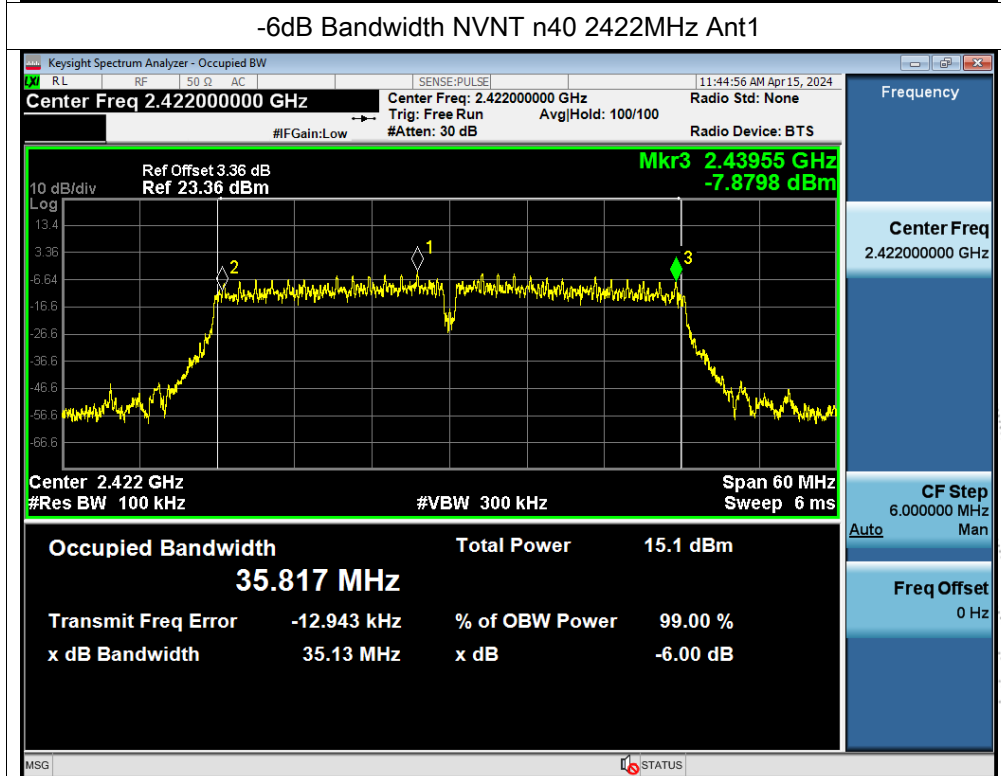
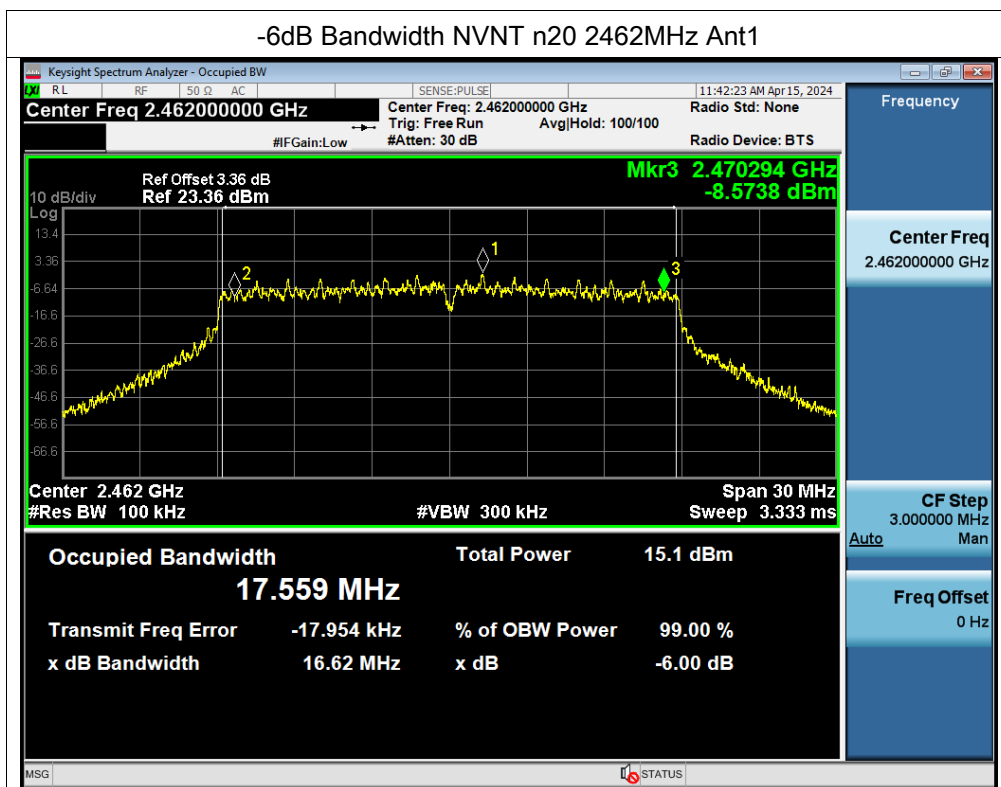
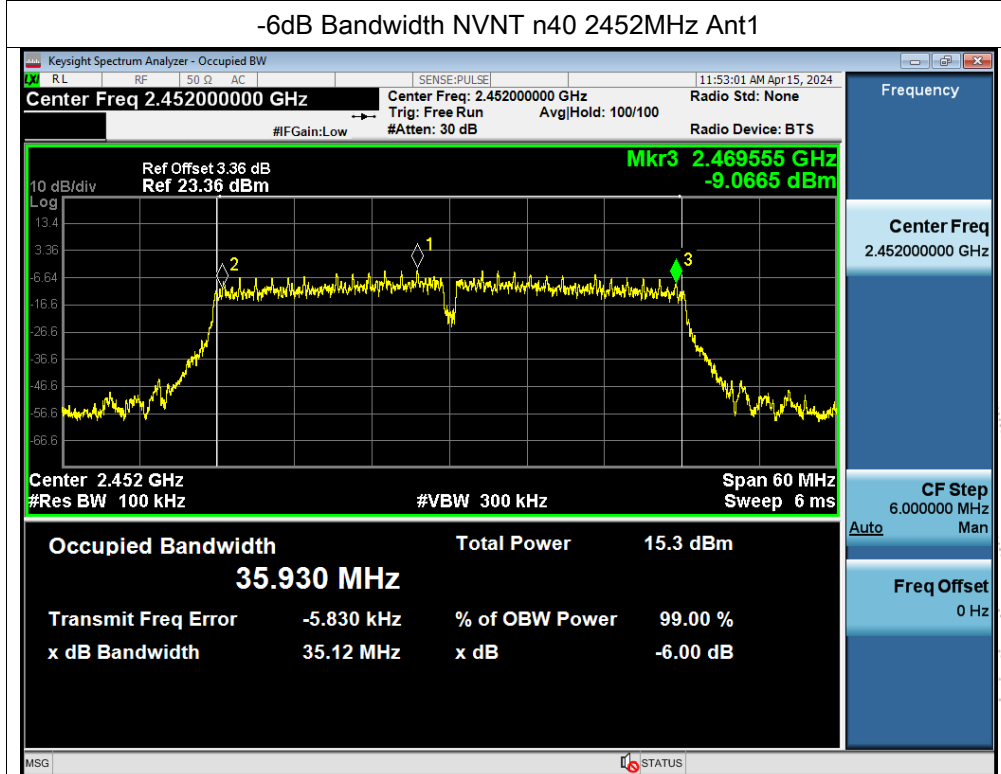
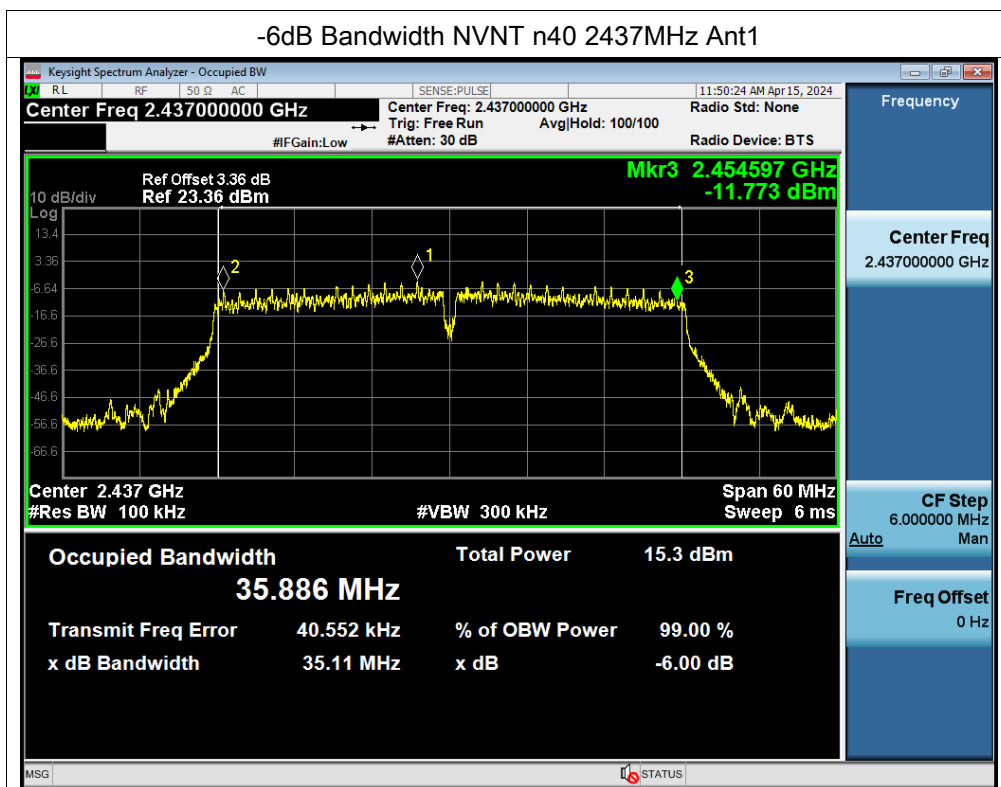
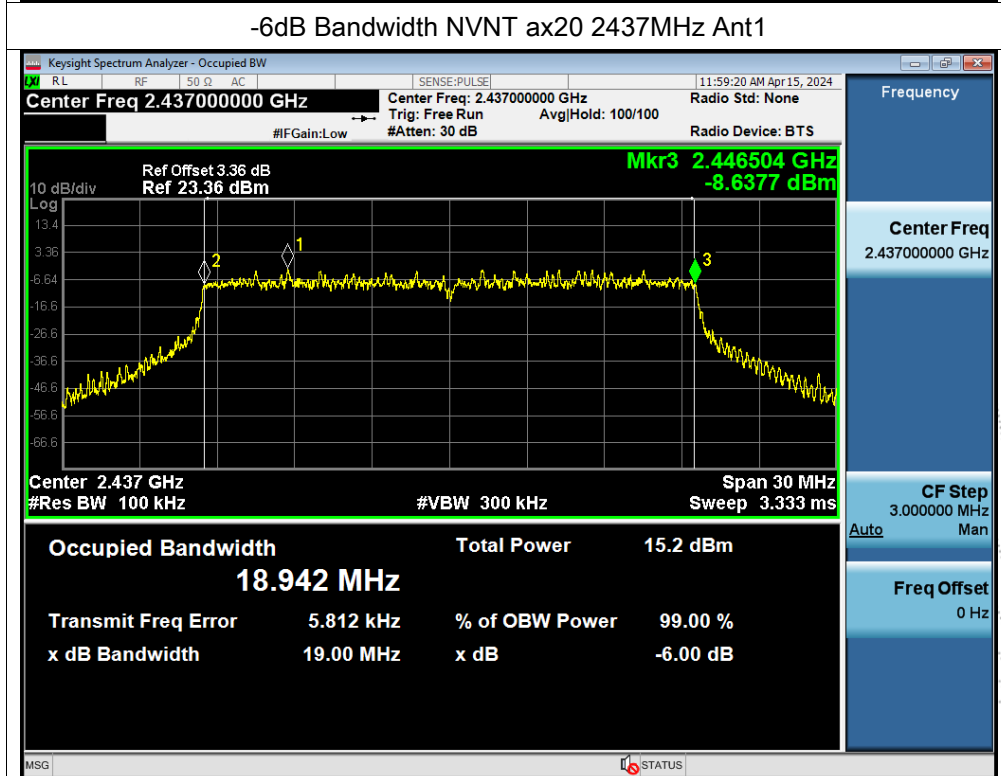
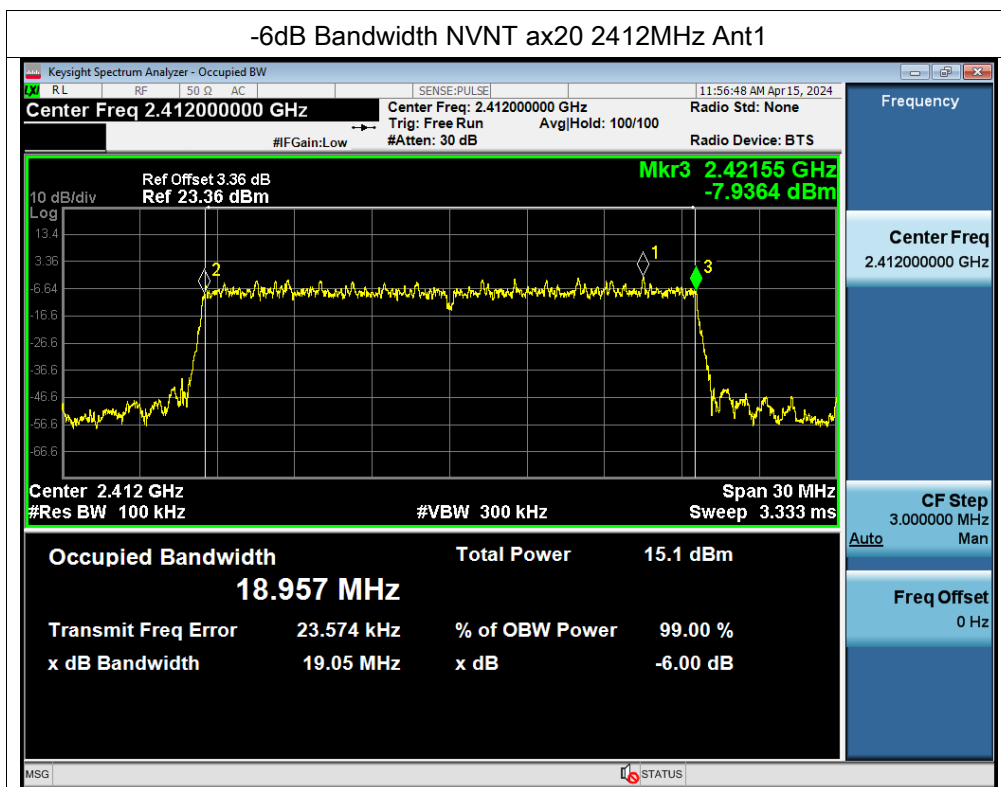
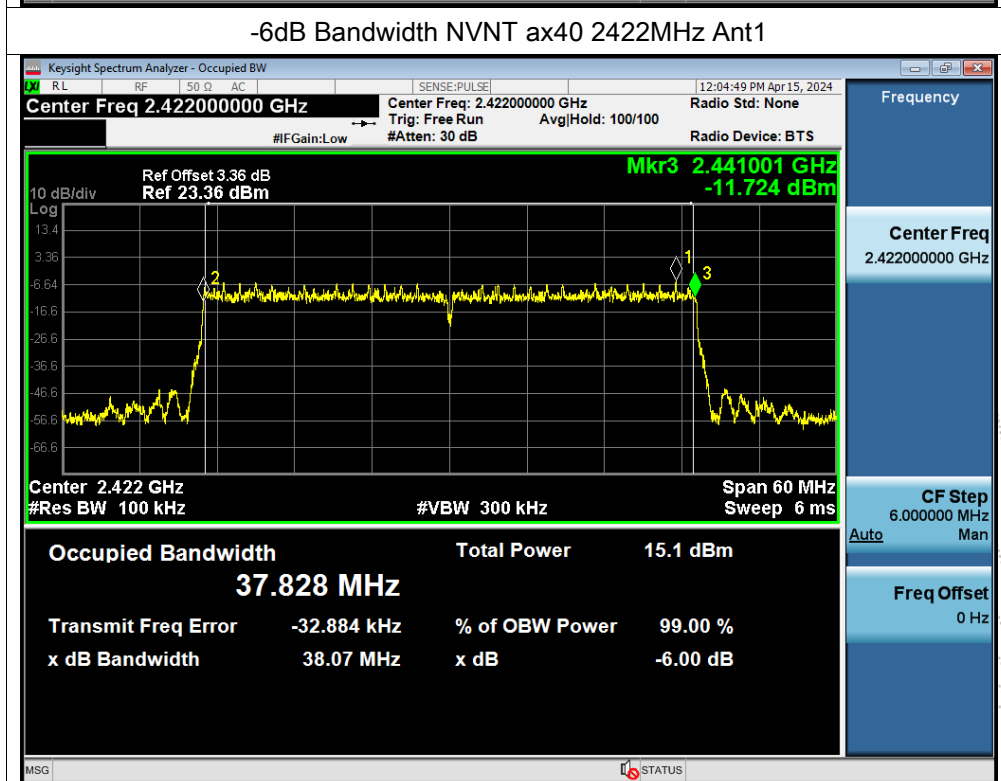
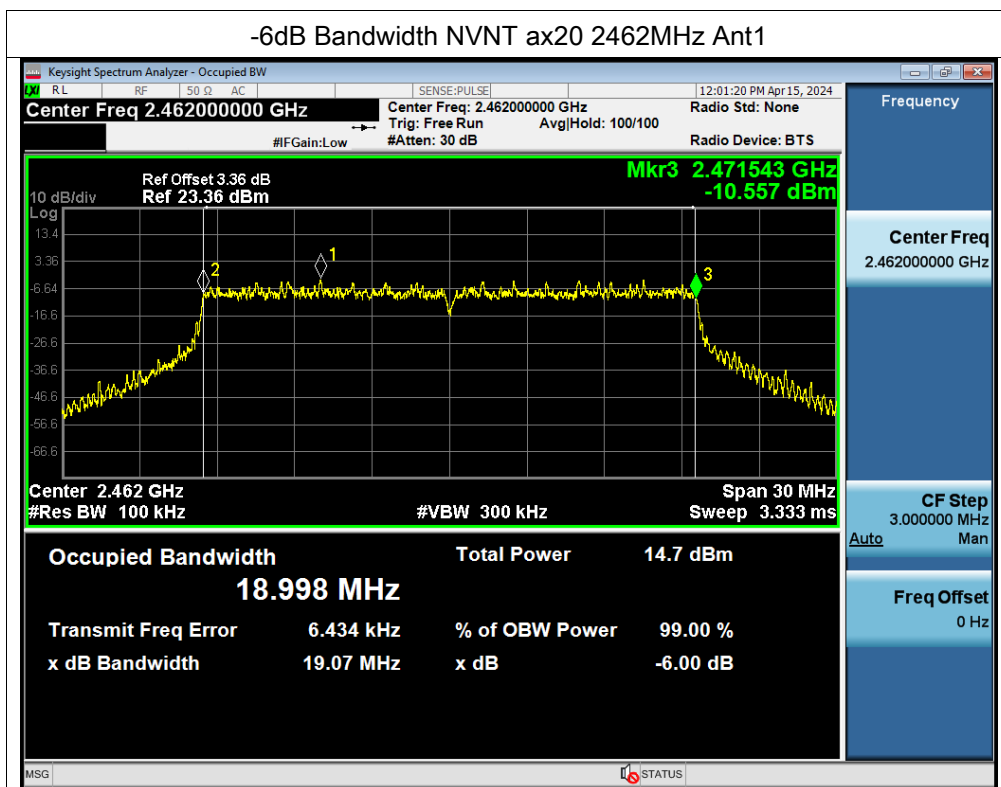


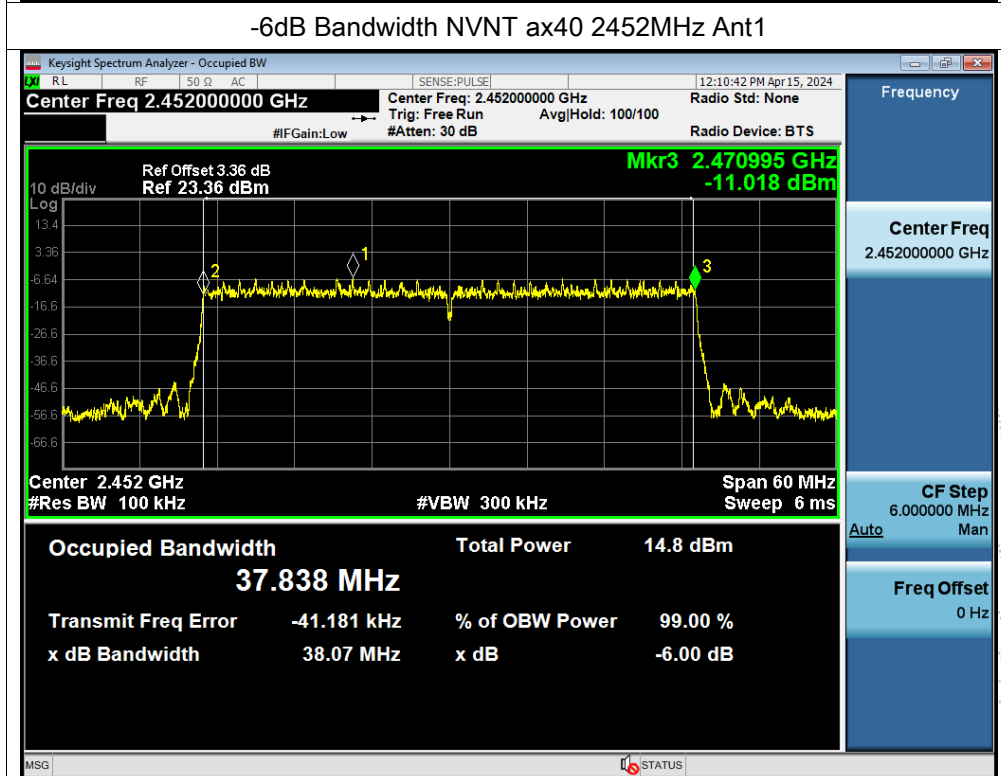
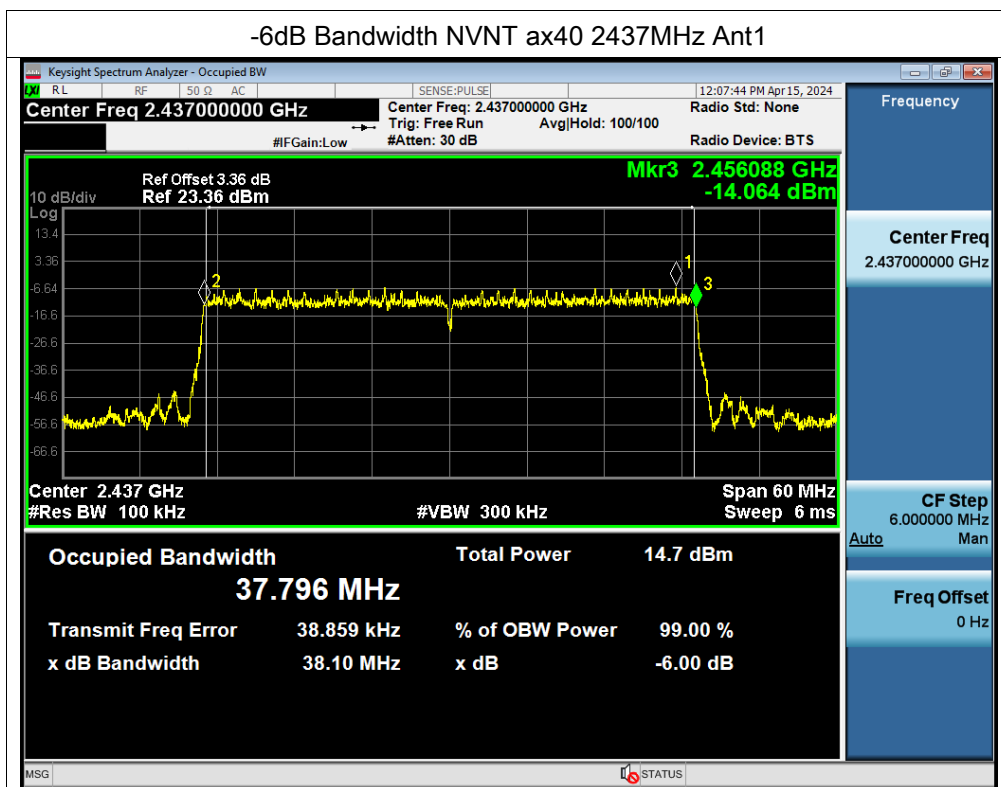














Ant B

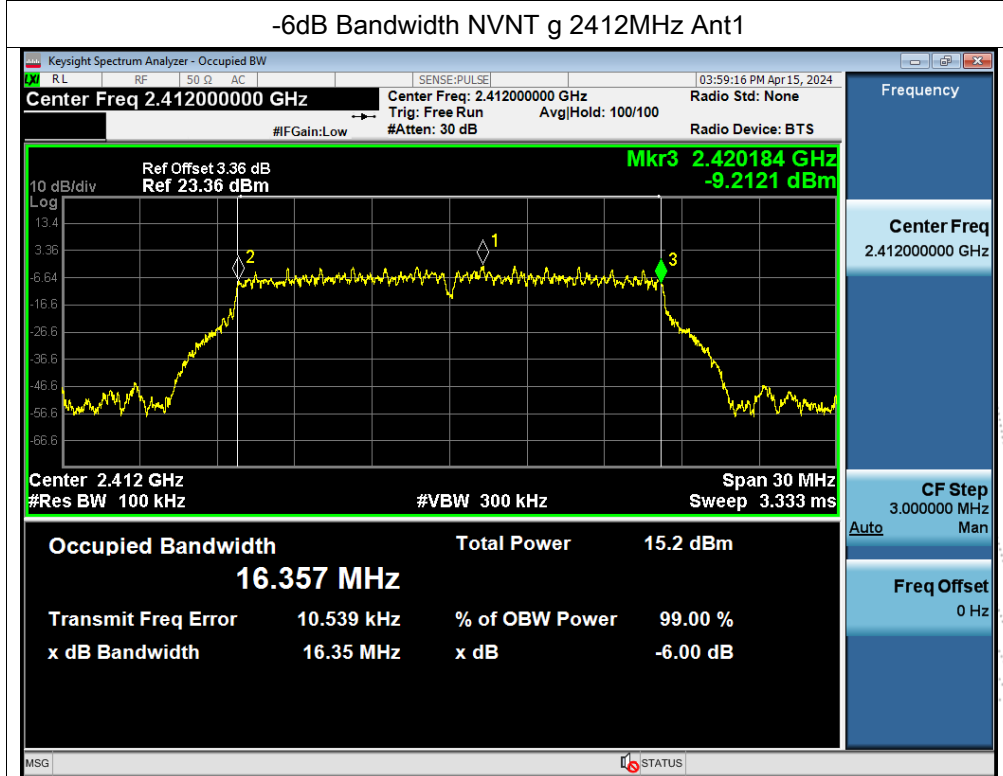
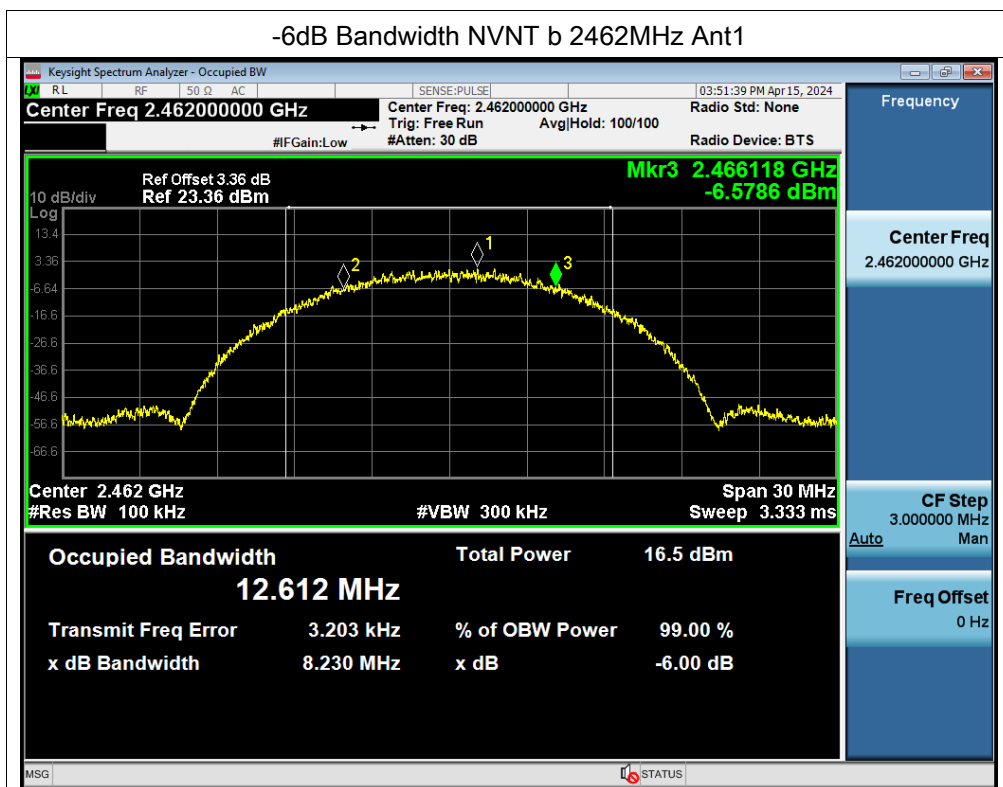
Test Graphs

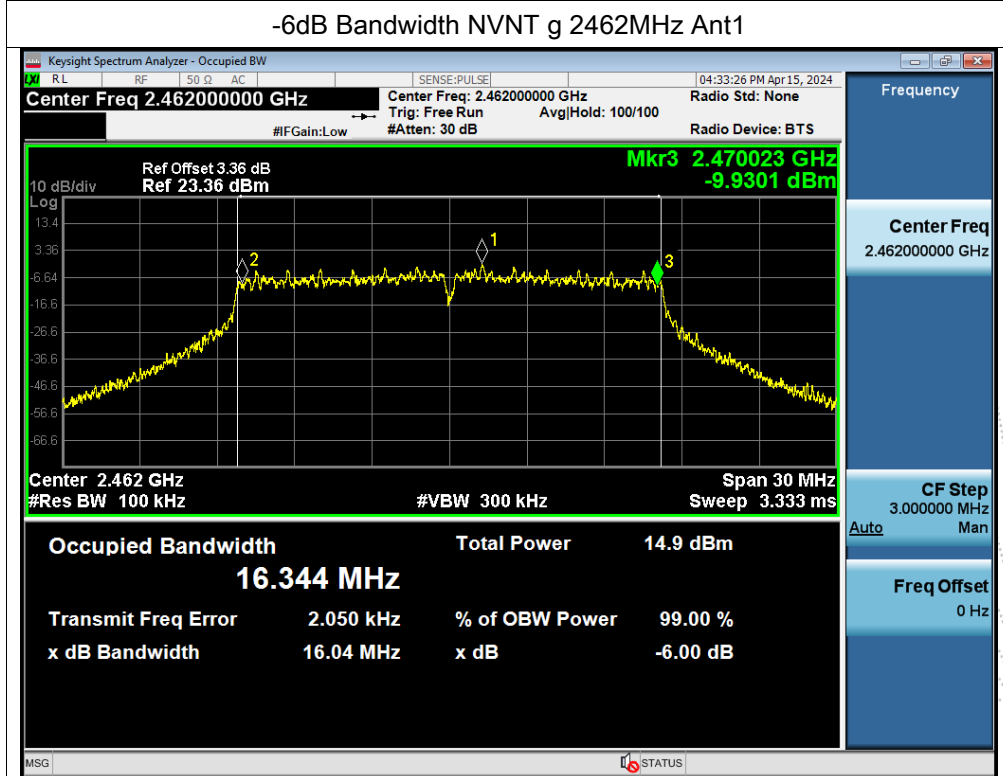
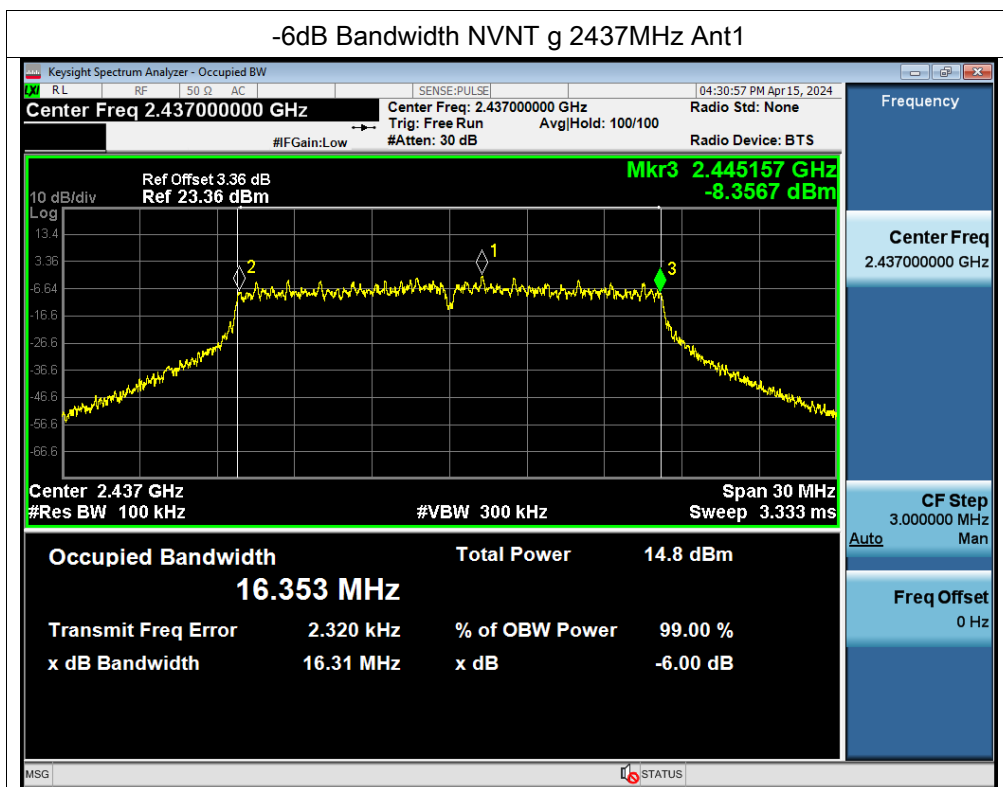
-6dB Bandwidth NVNT b 2412MHz Ant1

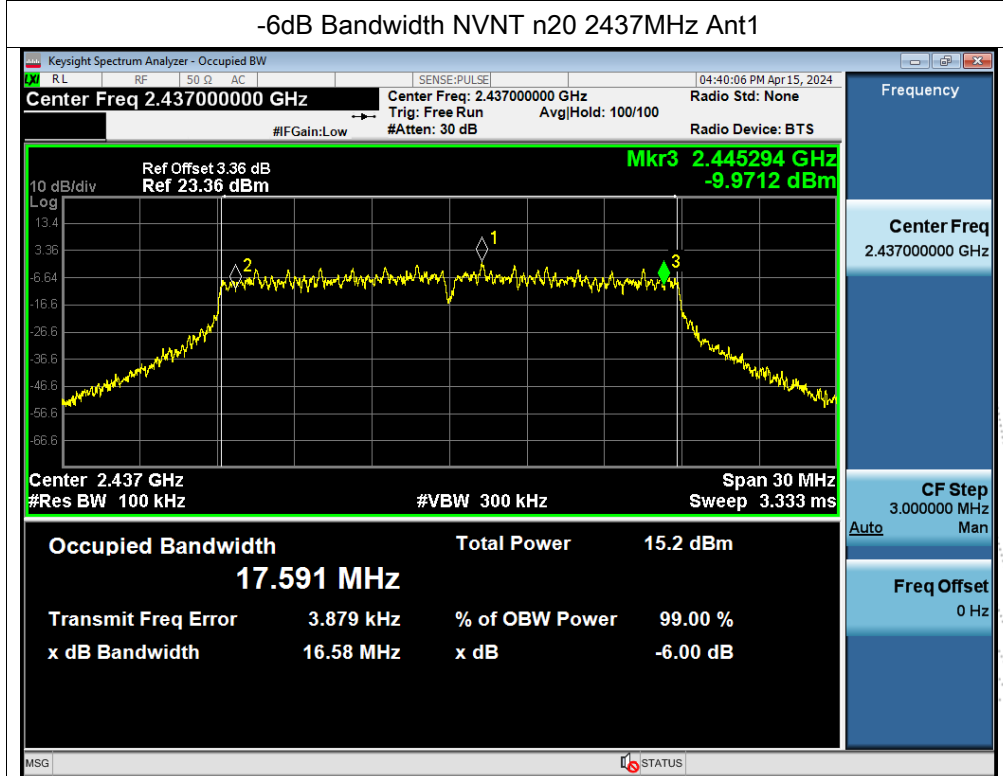
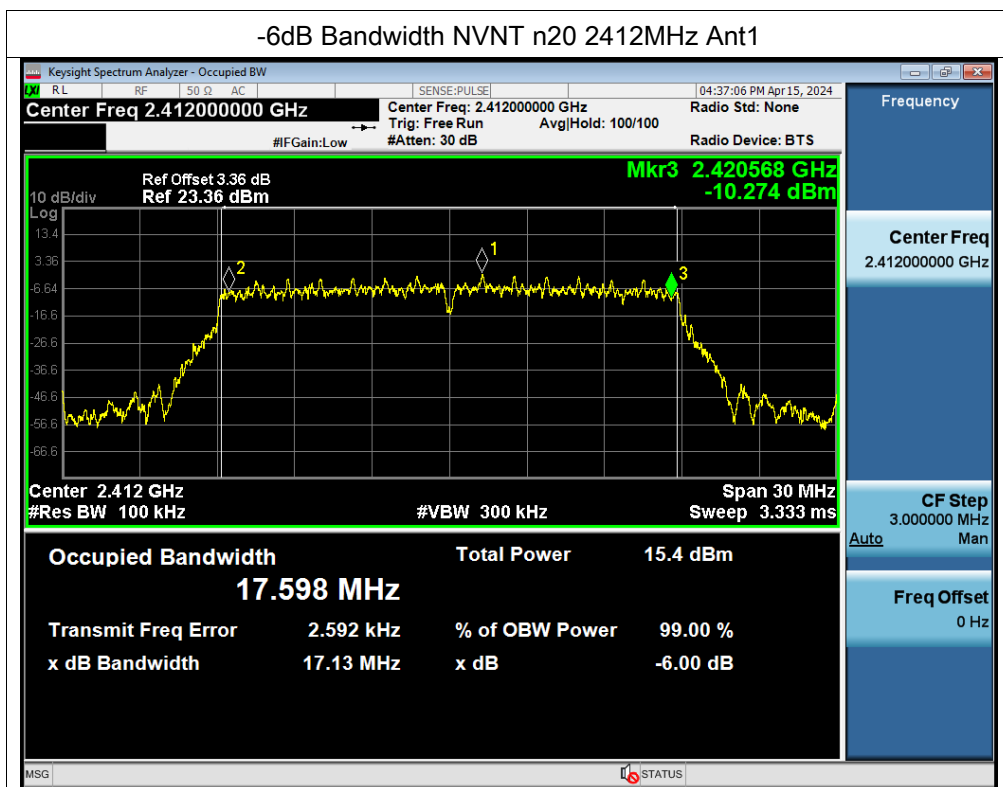


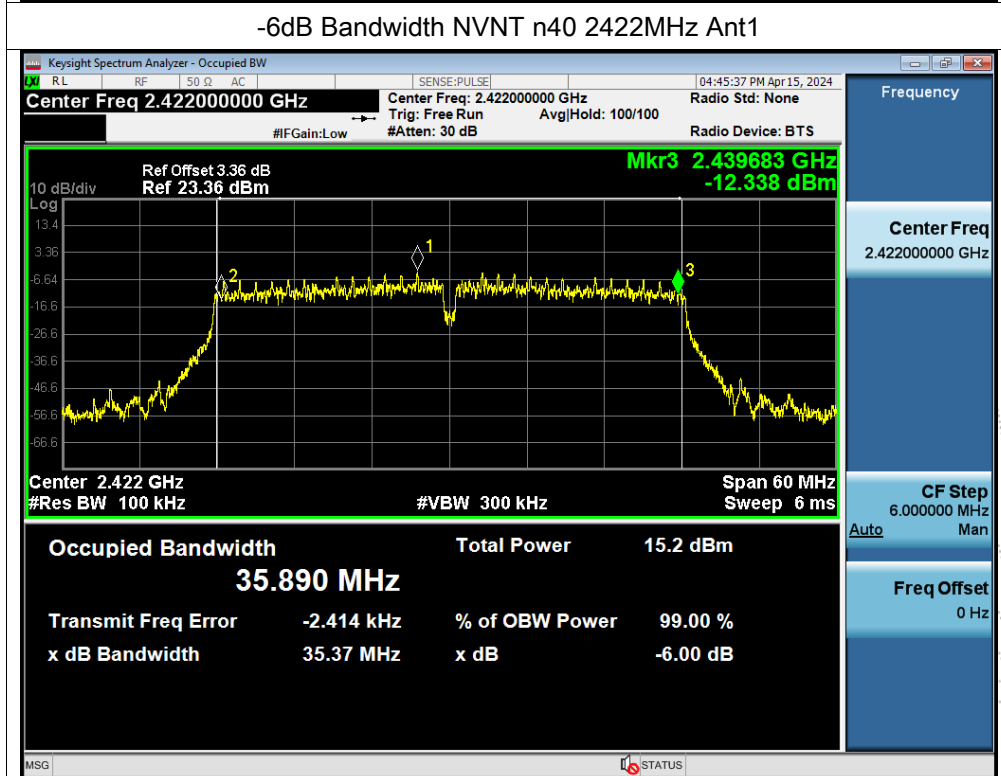
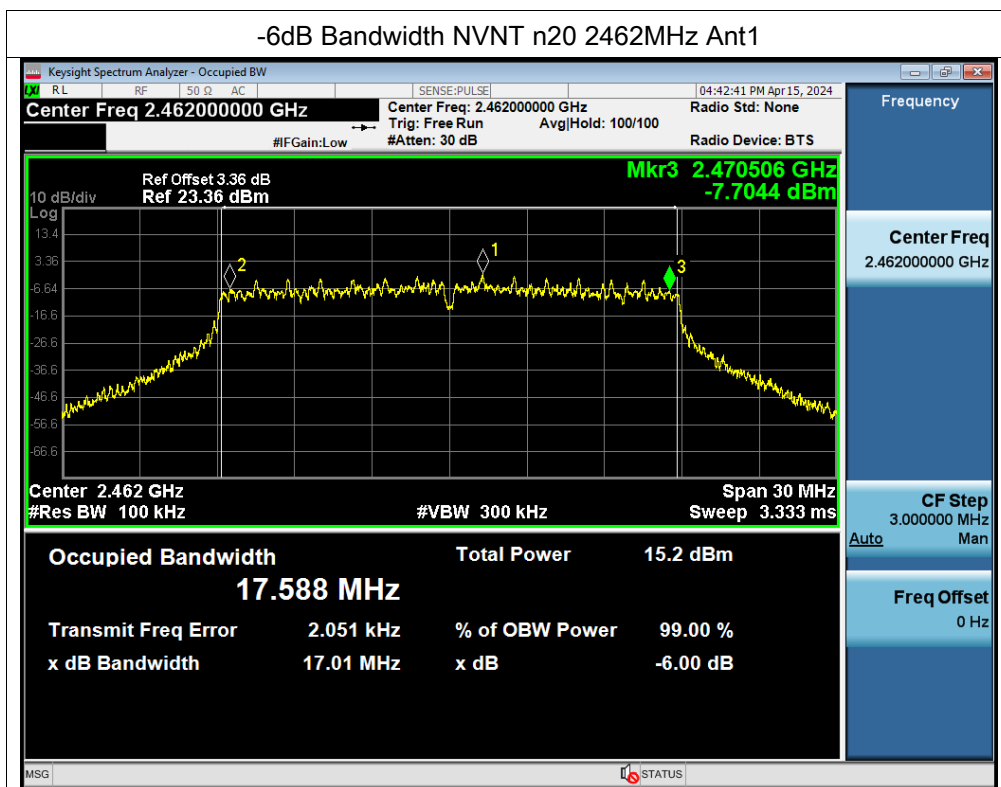
-6dB Bandwidth NVNT b 2437MHz Ant1

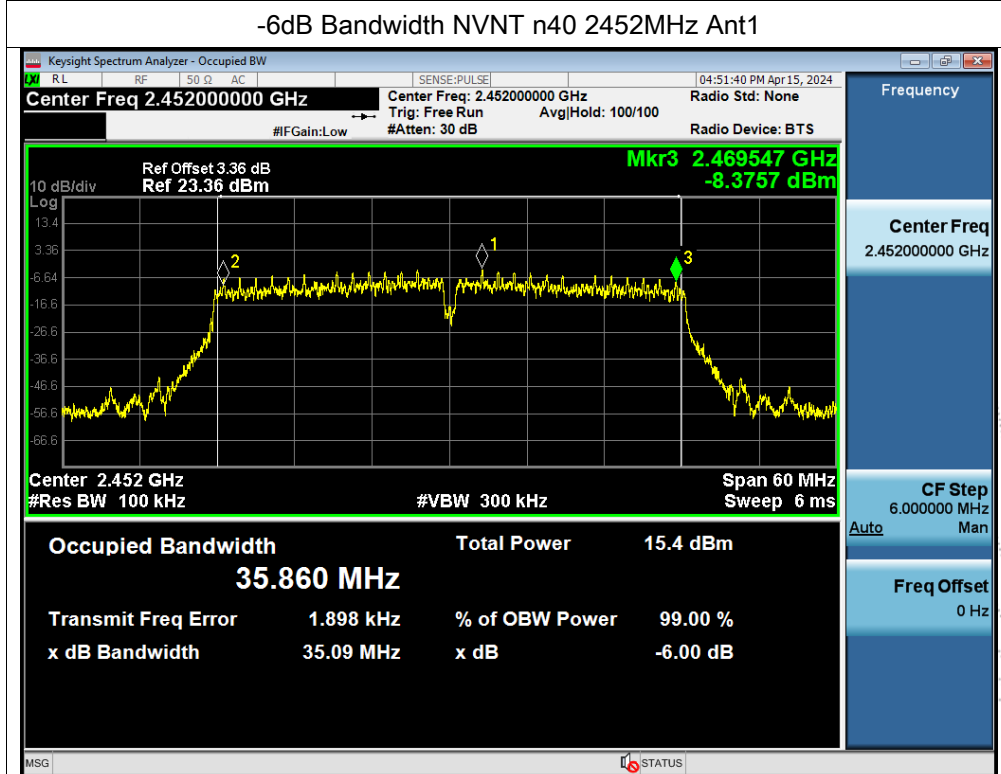
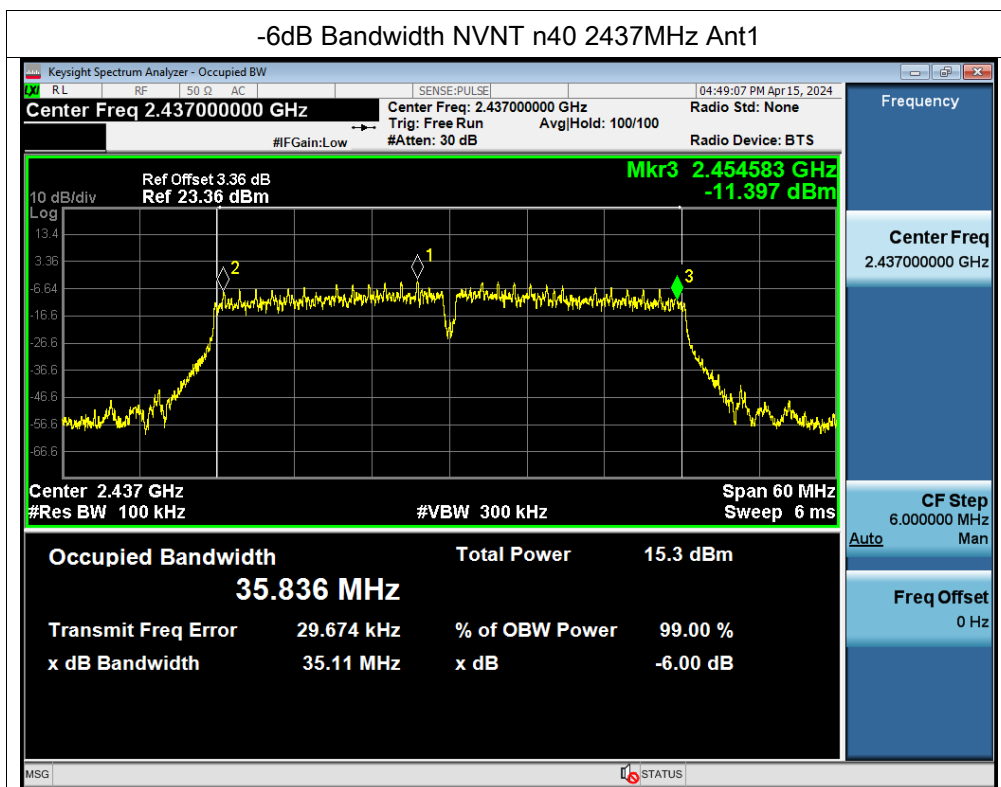


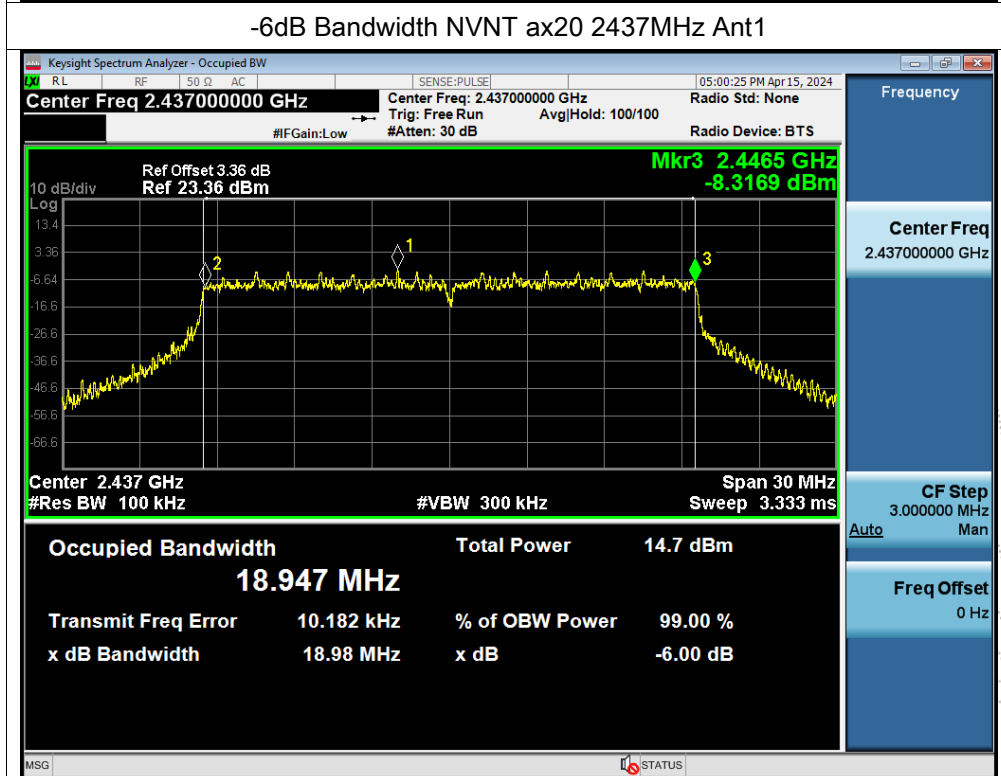
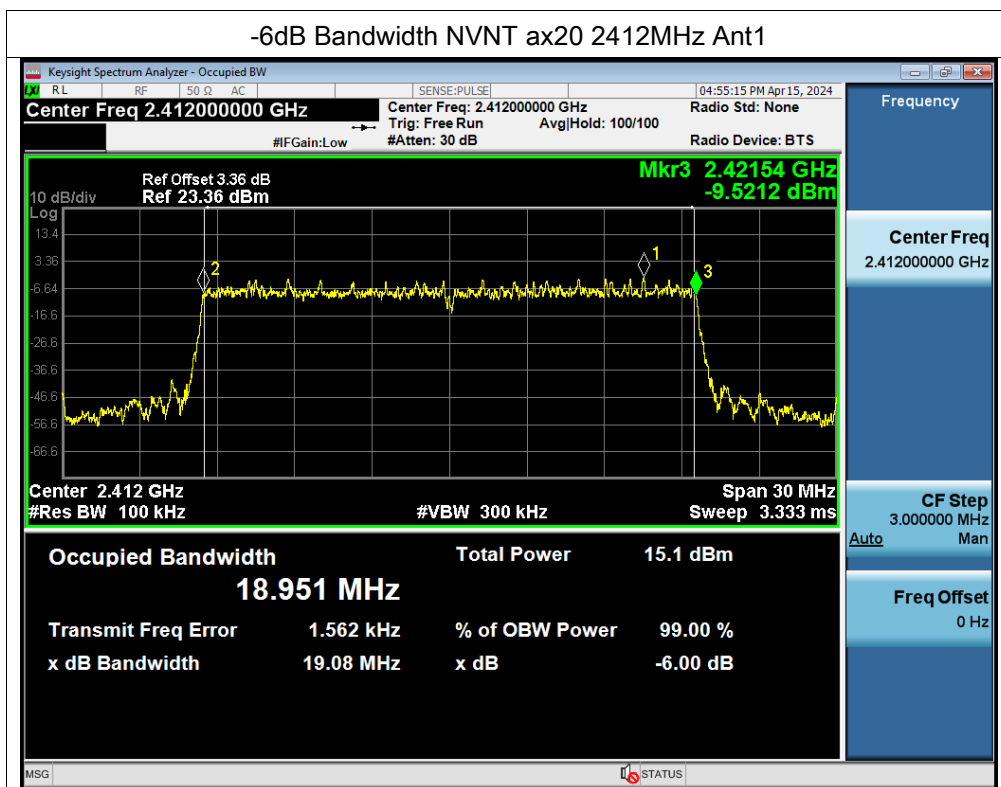


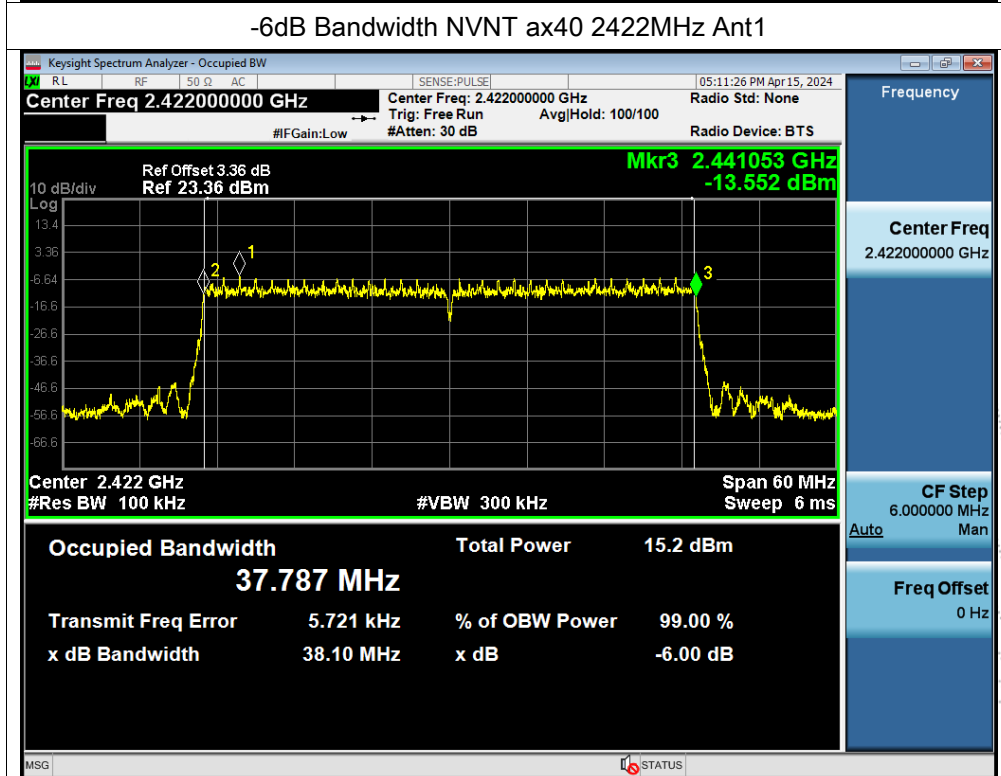
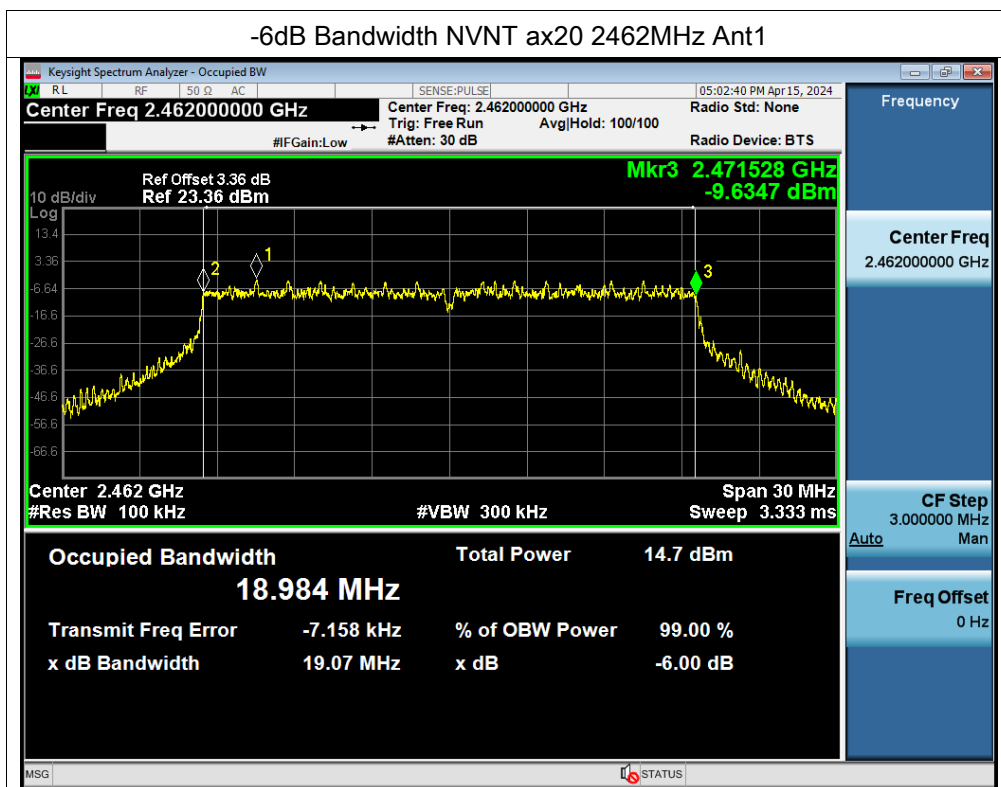


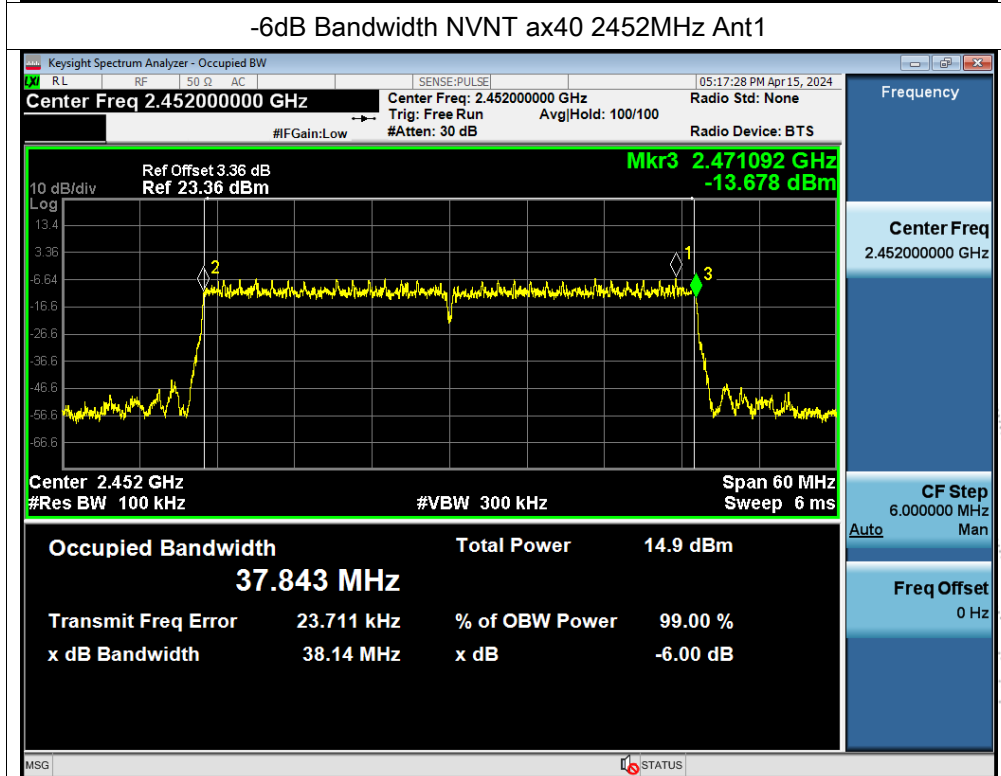
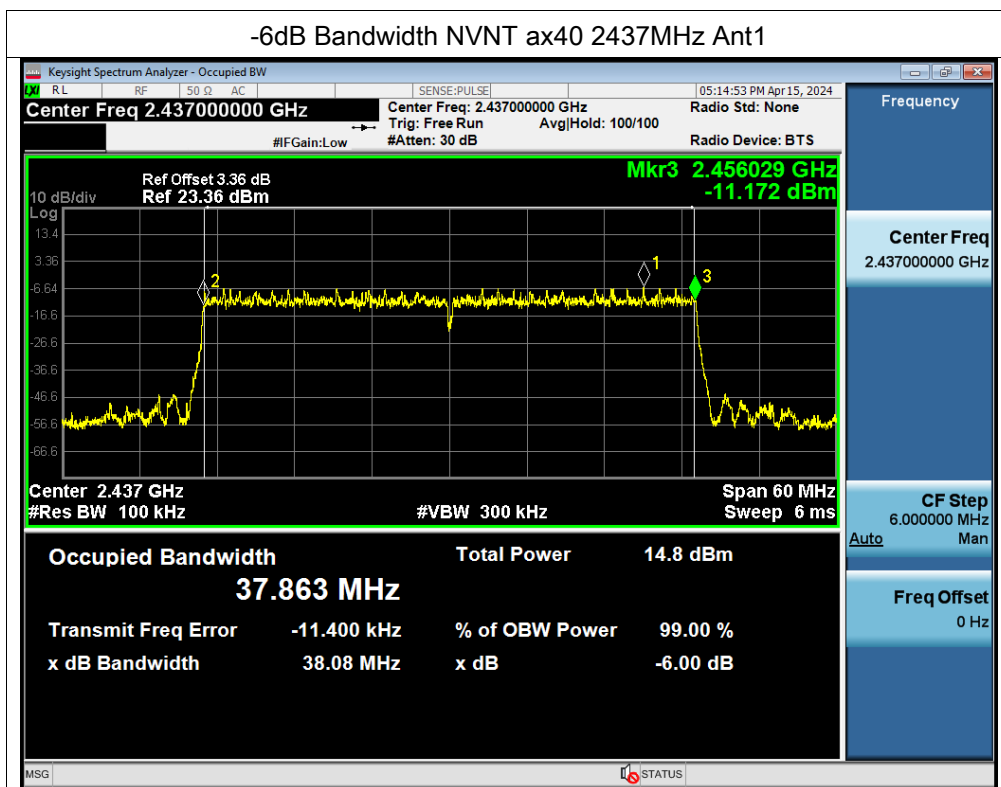












11. Peak Output Power Test

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

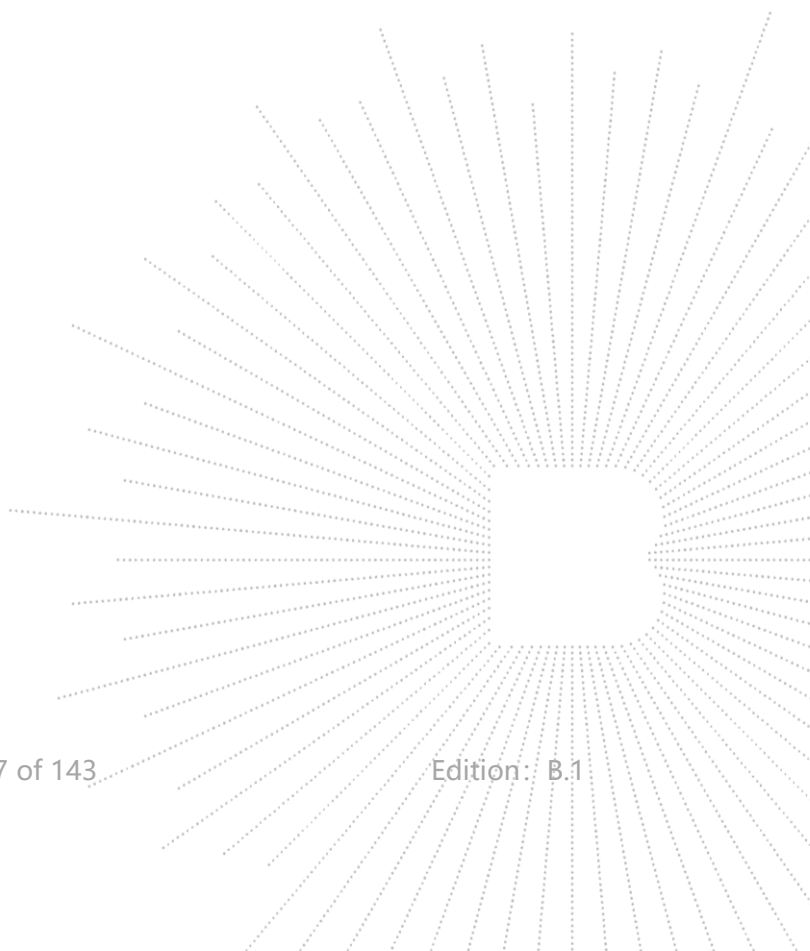
11.5 Test Result

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 12V

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	13.66	13.99	30
	2437	13.35	13.87	30
	2462	13.43	13.28	30
802.11g	2412	13.56	13.57	30
	2437	13.2	13.27	30
	2462	13.12	13.25	30
802.11n20	2412	13.21	13.81	30
	2437	13.44	13.54	30
	2462	13.5	13.52	30
802.11n40	2422	13.3	13.44	30
	2437	13.43	13.58	30
	2452	13.54	13.53	30
802.11ax20	2412	13.53	13.63	30
	2437	13.63	13.2	30
	2462	13.25	13.17	30
802.11ax40	2422	13.44	13.59	30
	2437	13.07	13.2	30
	2452	13.19	13.21	30

For 2T2R

Test Mode	Frequency	Maximum Conducted Output Power(PK) (dBm)	Limit (dBm)	Result
802.11n20	2412 MHz	16.53	27.65	PASS
	2437 MHz	16.50	27.65	PASS
	2462 MHz	16.52	27.65	PASS
802.11n40	2422 MHz	16.38	27.65	PASS
	2437 MHz	16.52	27.65	PASS
	2452 MHz	16.55	27.65	PASS
802.11ax20	2412 MHz	16.59	27.65	PASS
	2437 MHz	16.43	27.65	PASS
	2462 MHz	16.22	27.65	PASS
802.11ax40	2422 MHz	16.53	27.65	PASS
	2437 MHz	16.15	27.65	PASS
	2452 MHz	16.21	27.65	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

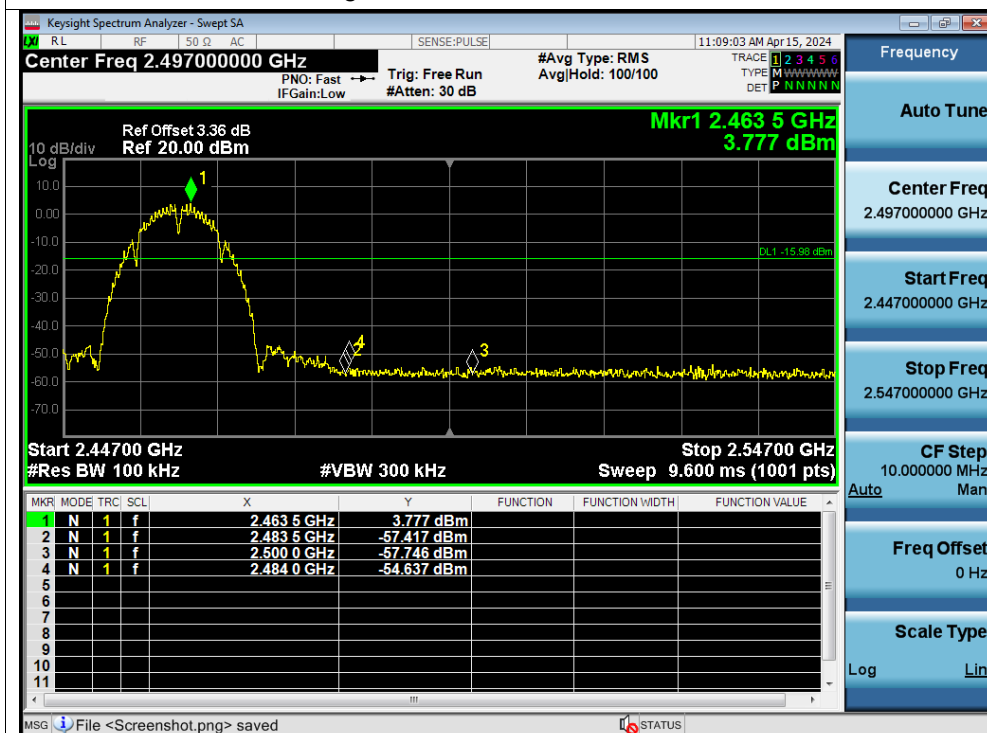
Ant A

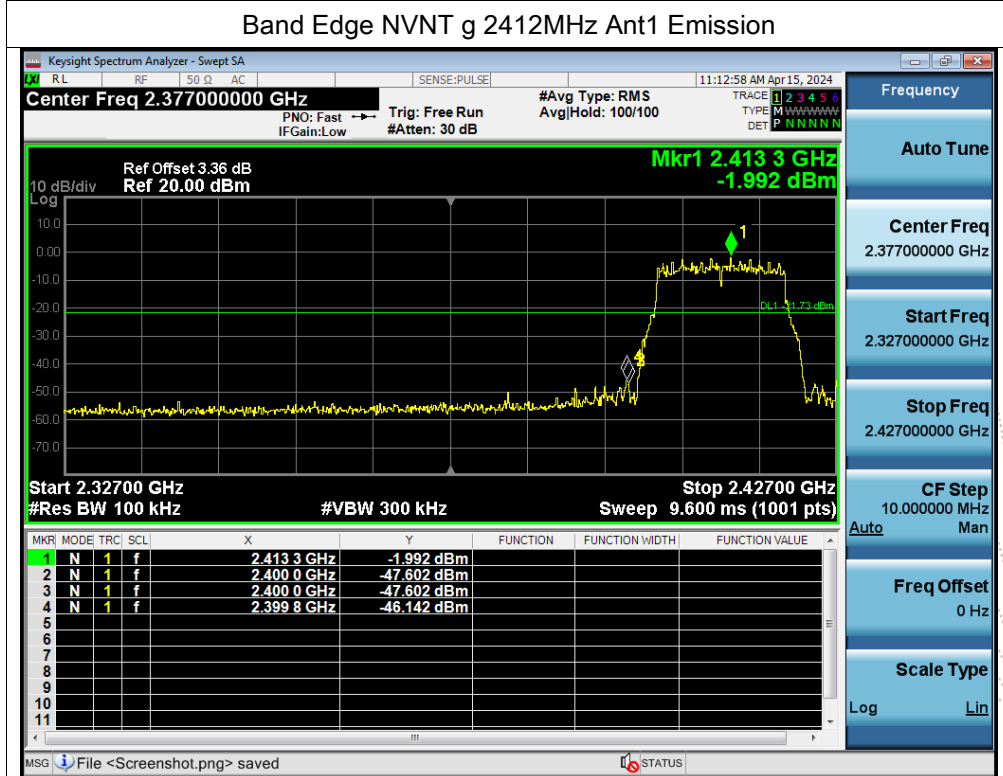
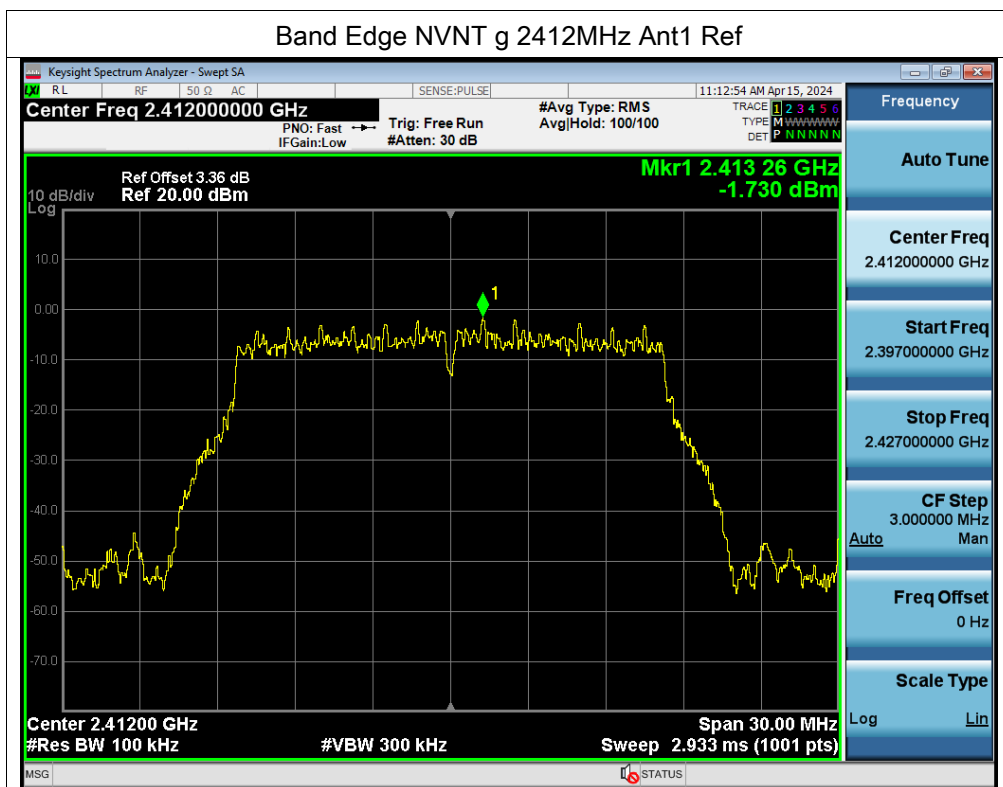


Band Edge NVNT b 2462MHz Ant1 Ref

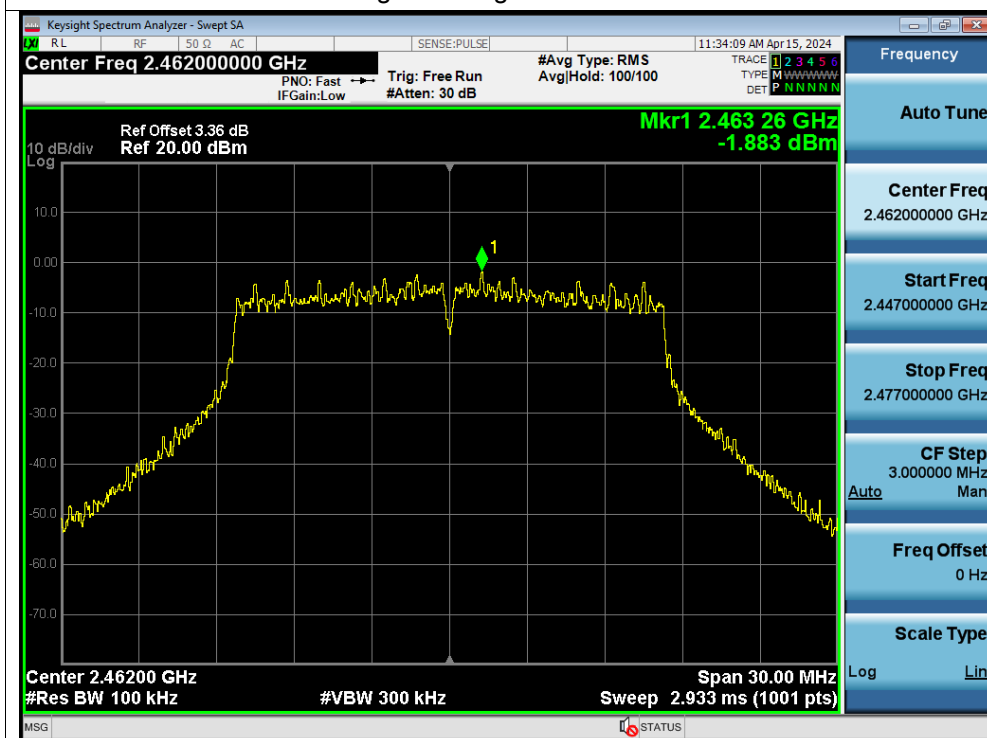


Band Edge NVNT b 2462MHz Ant1 Emission

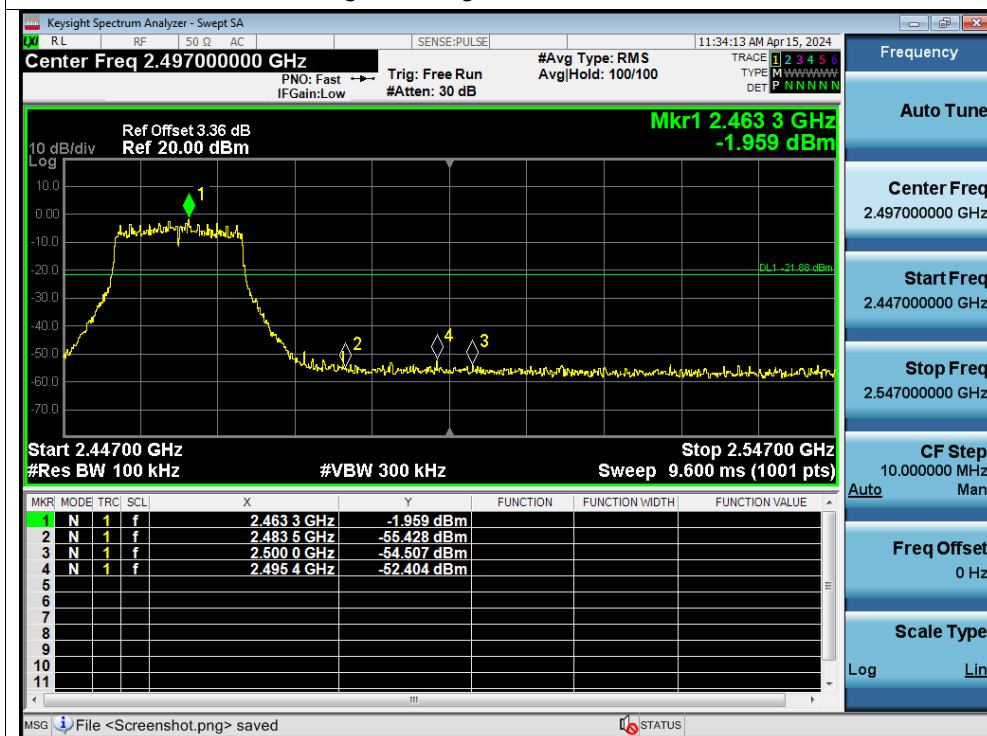




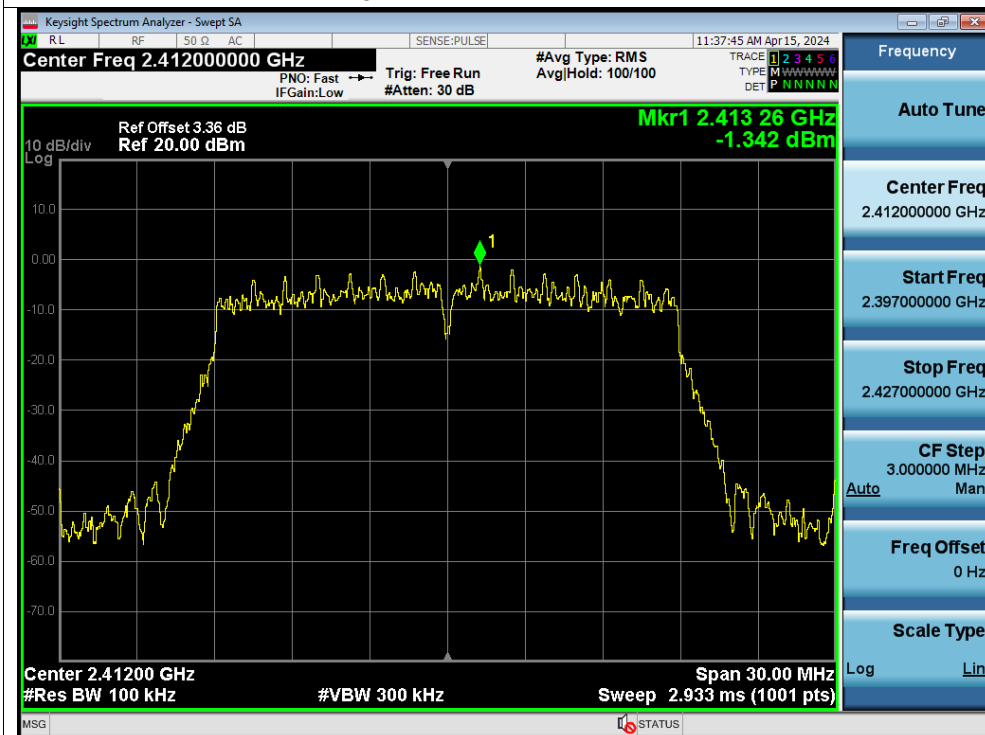
Band Edge NVNT g 2462MHz Ant1 Ref



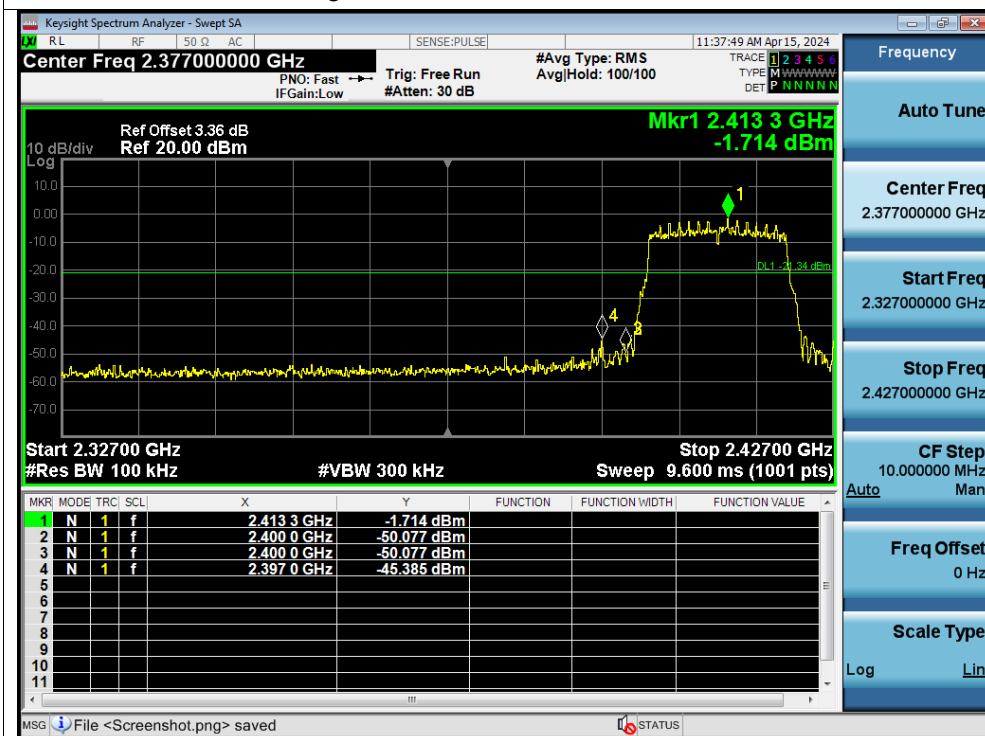
Band Edge NVNT g 2462MHz Ant1 Emission



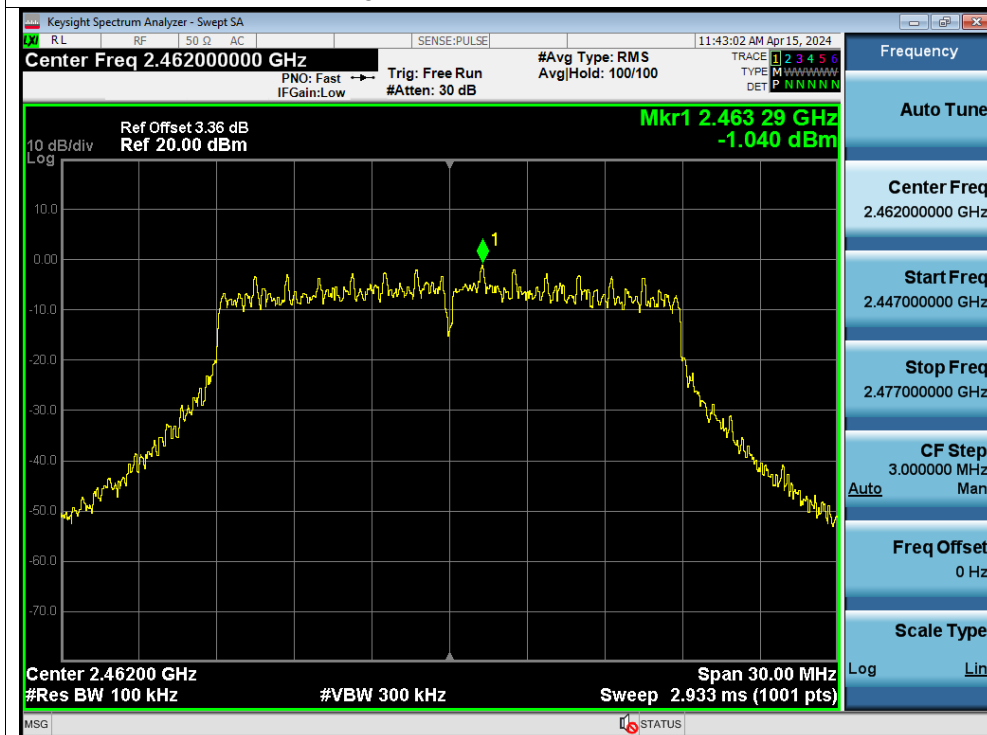
Band Edge NVNT n20 2412MHz Ant1 Ref



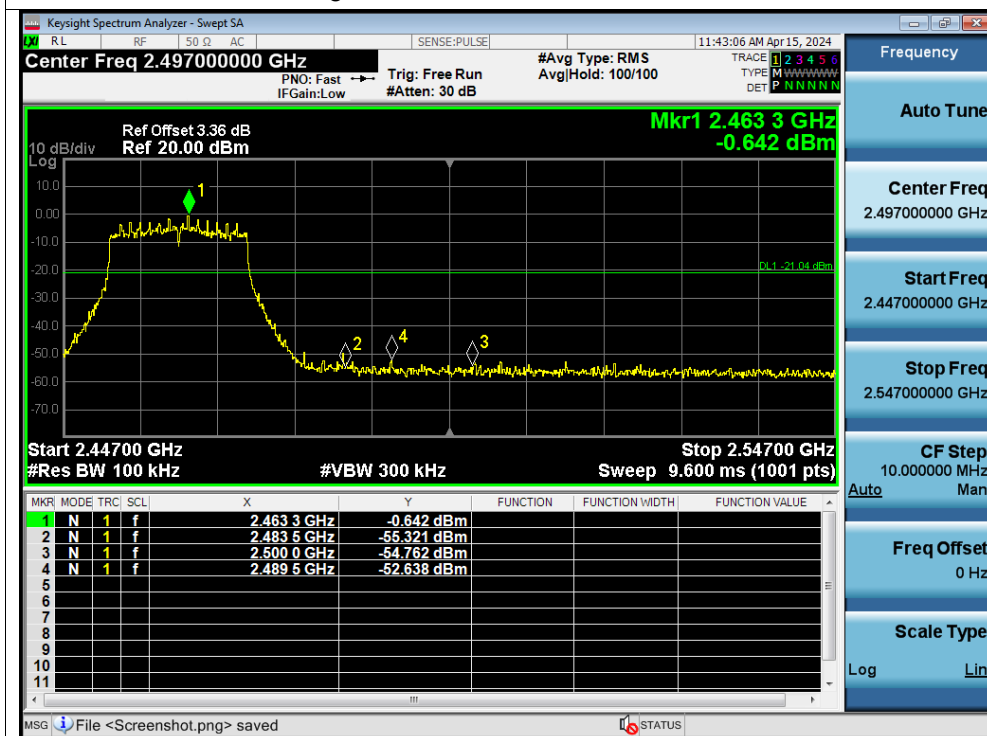
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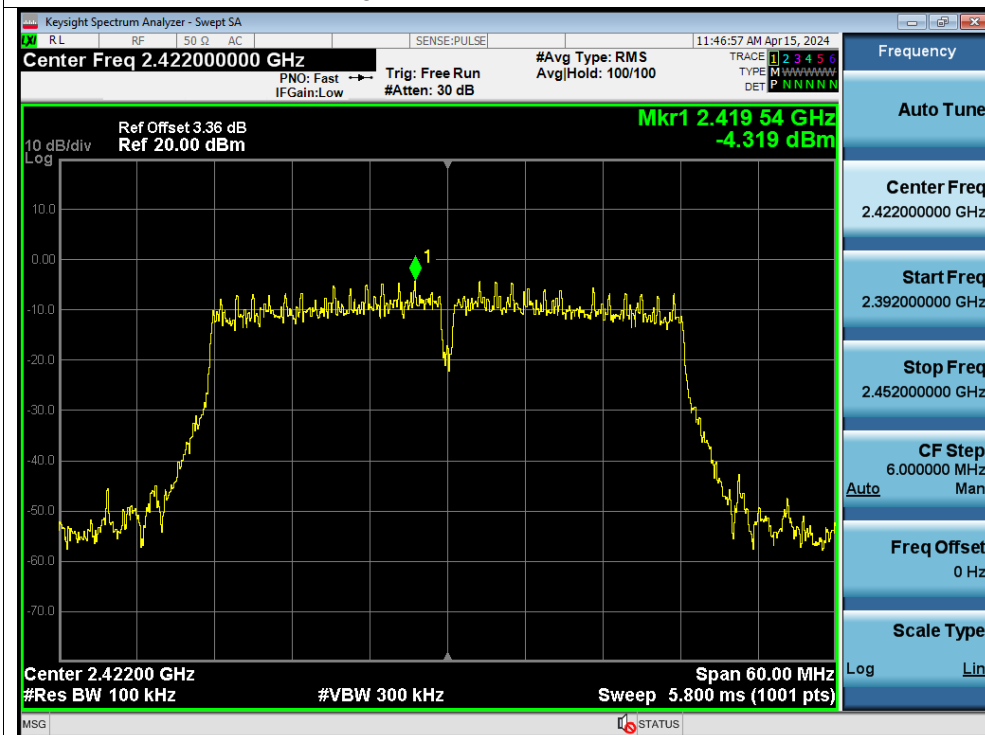
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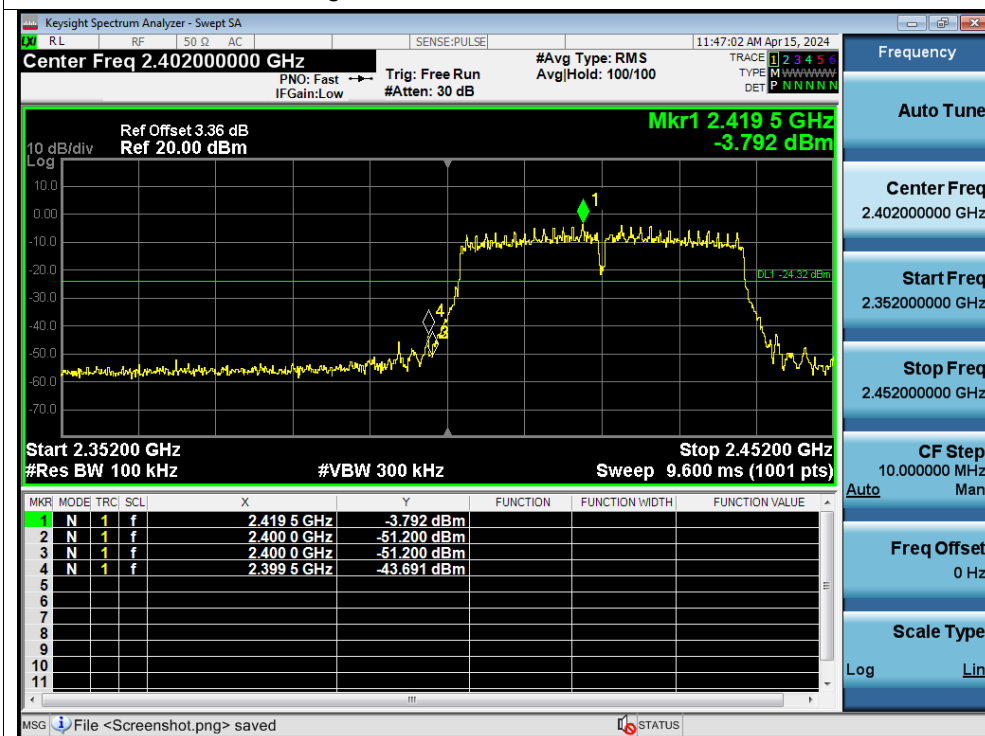
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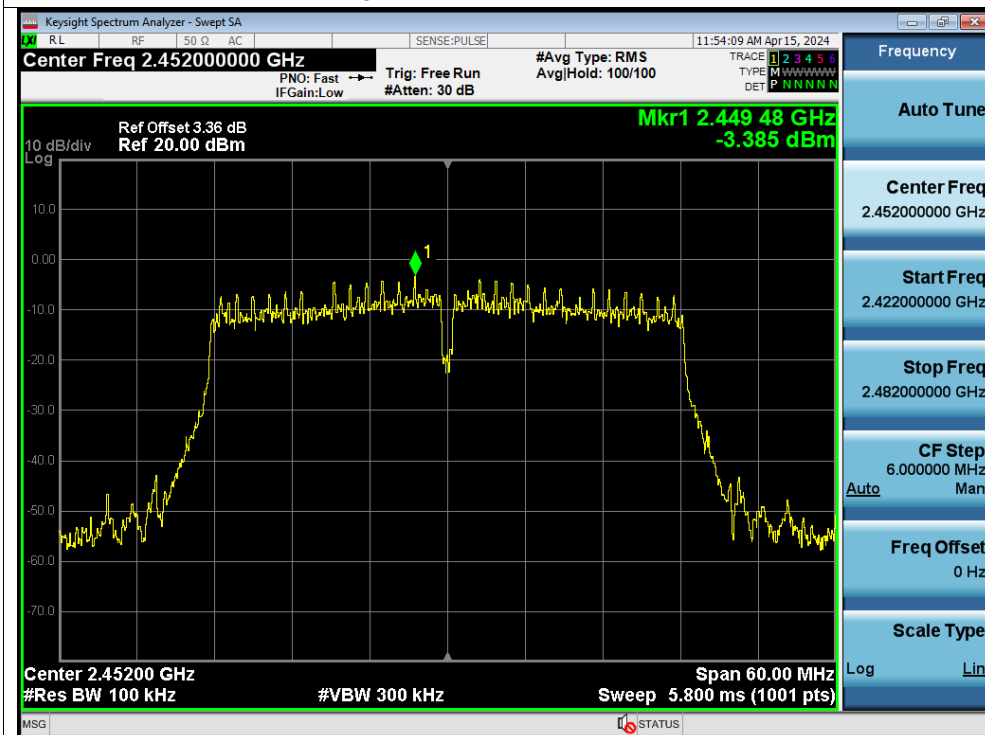
Band Edge NVNT n40 2422MHz Ant1 Ref



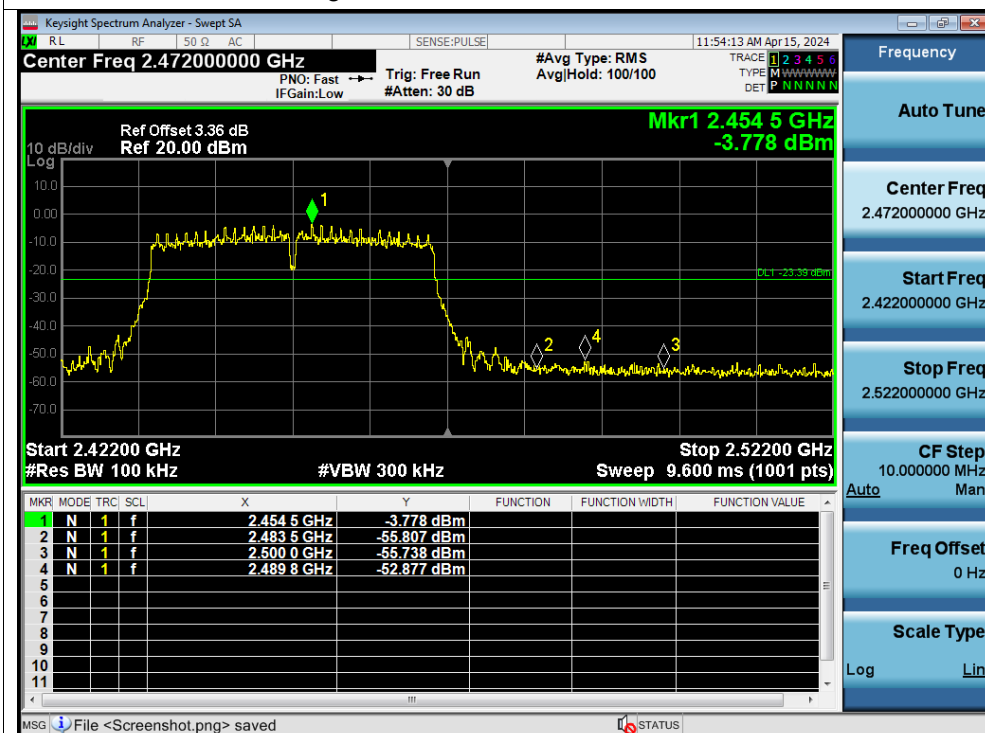
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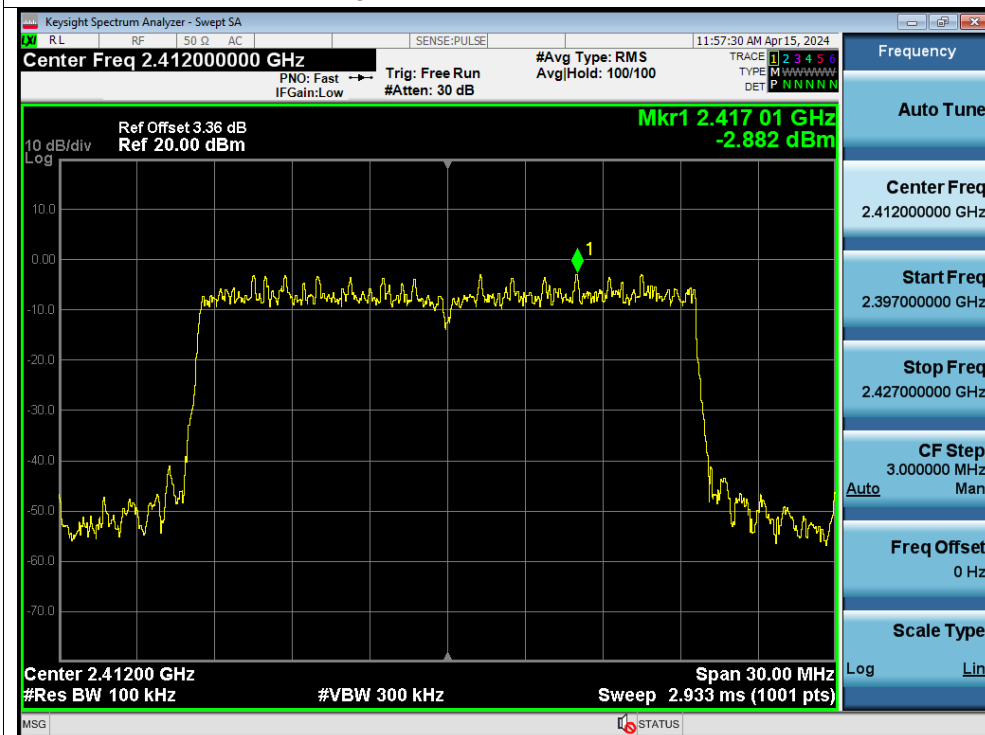
Band Edge NVNT n40 2452MHz Ant1 Ref



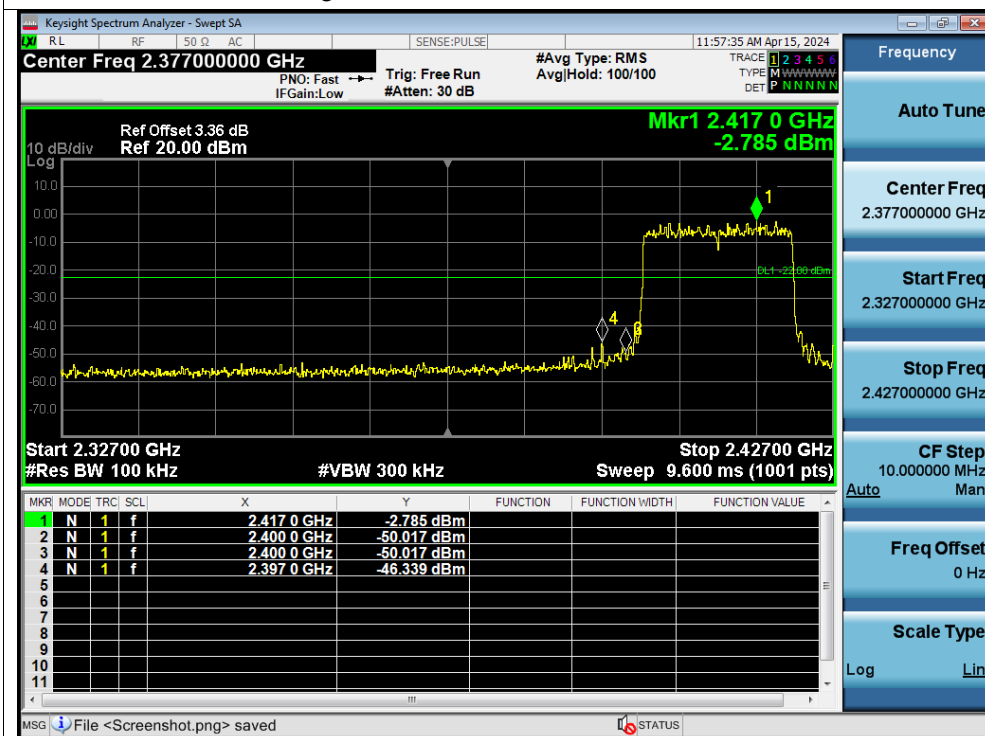
Band Edge NVNT n40 2452MHz Ant1 Emission



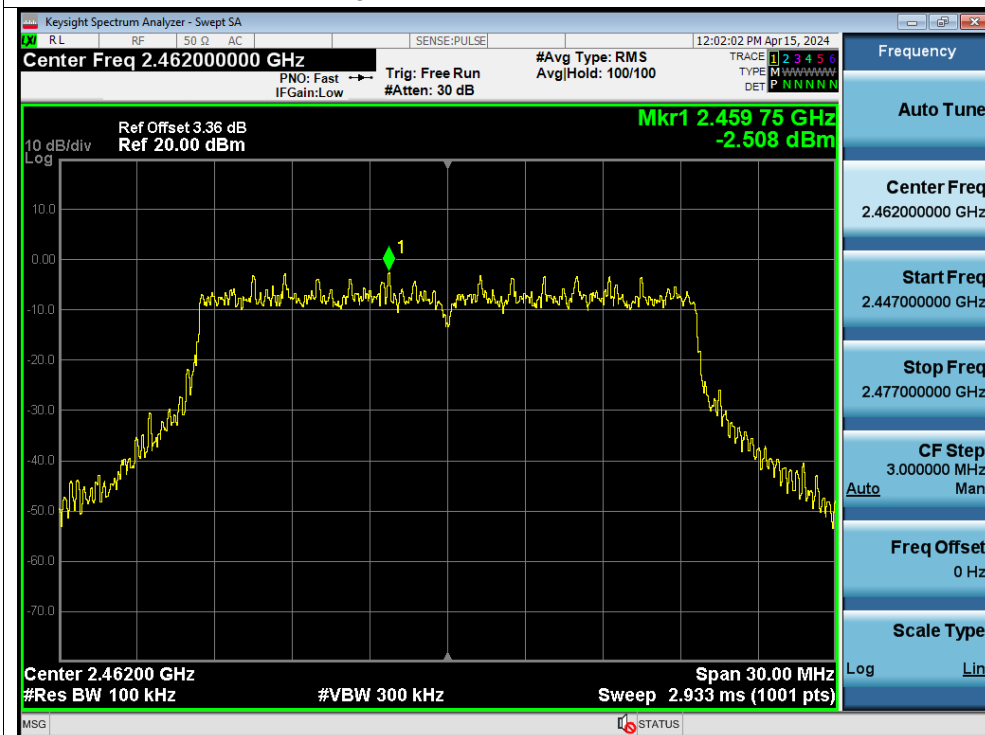
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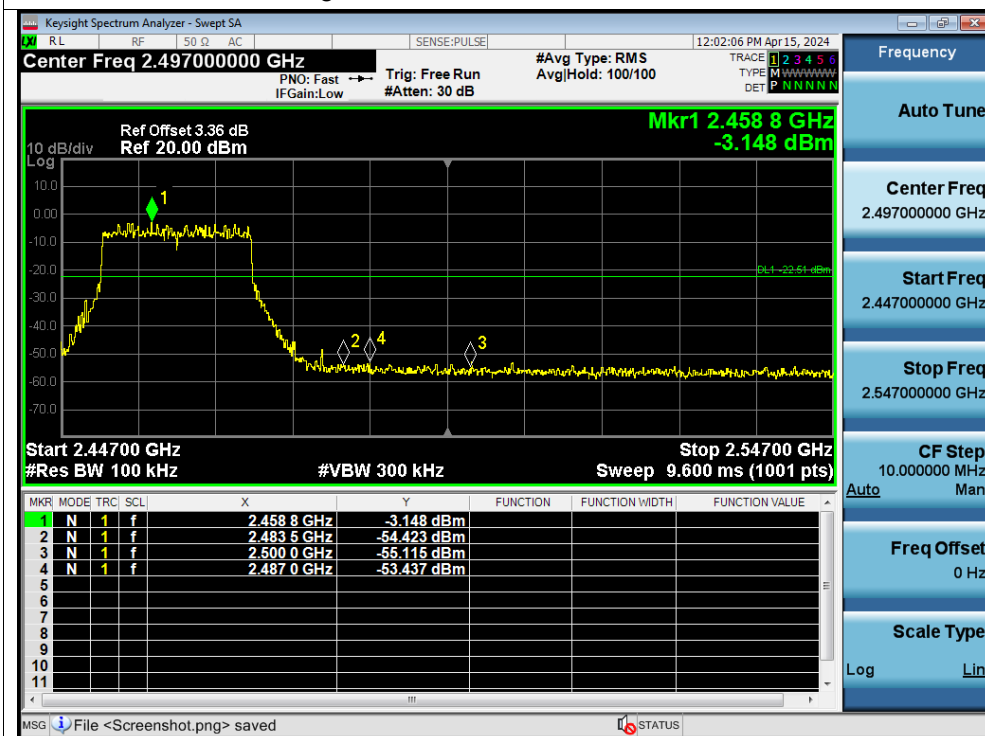
Band Edge NVNT ax20 2412MHz Ant1 Emission



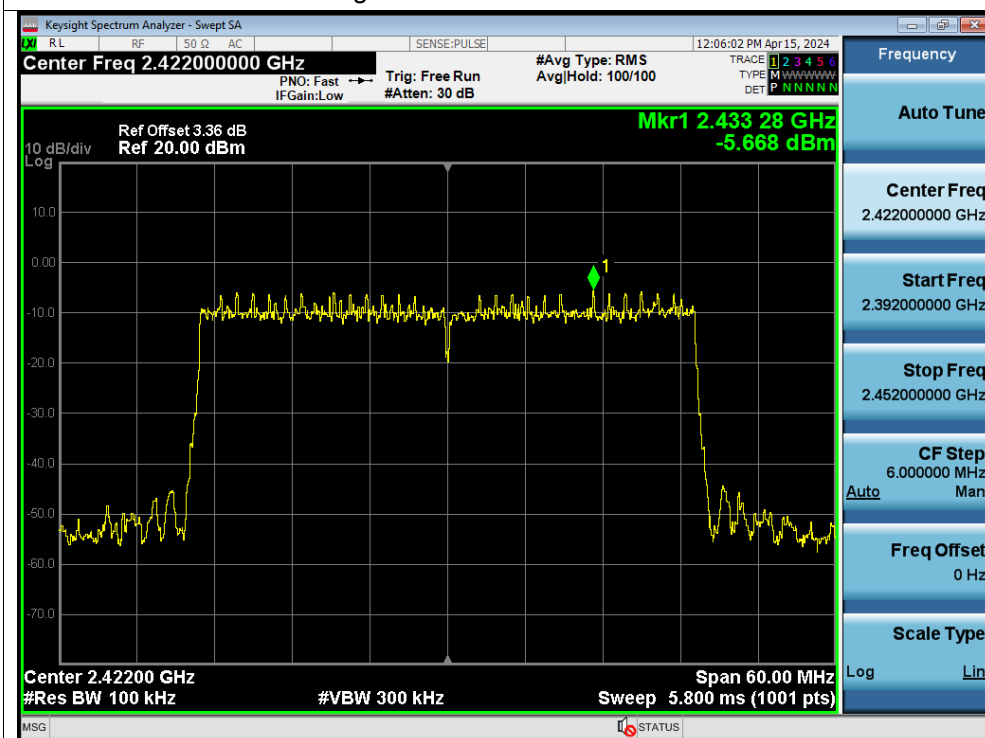
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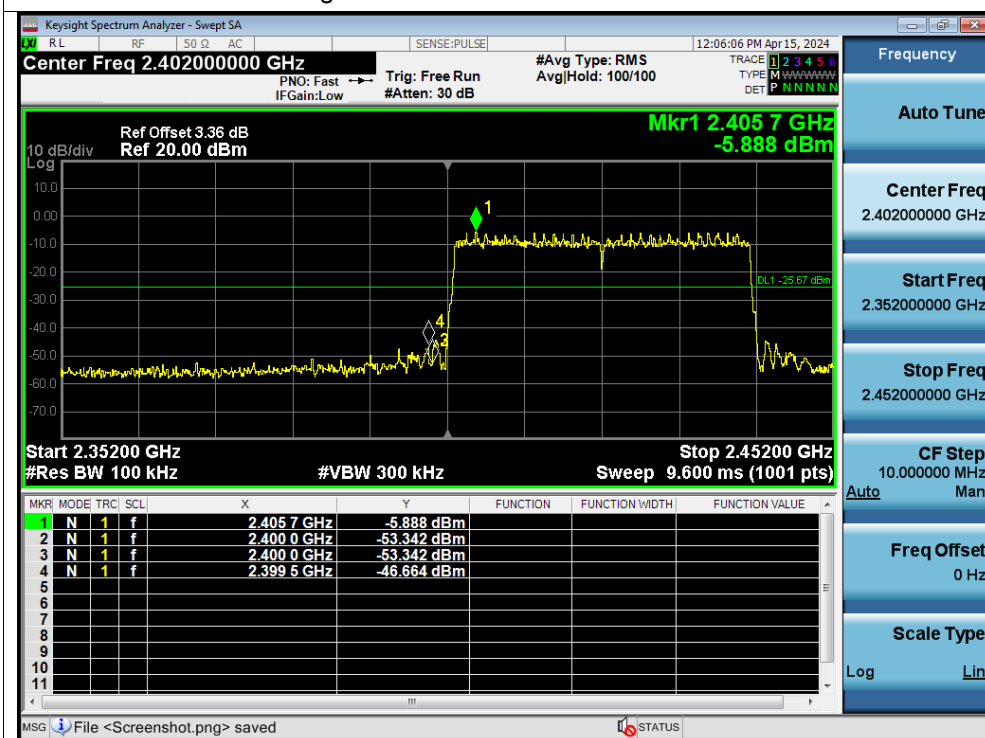
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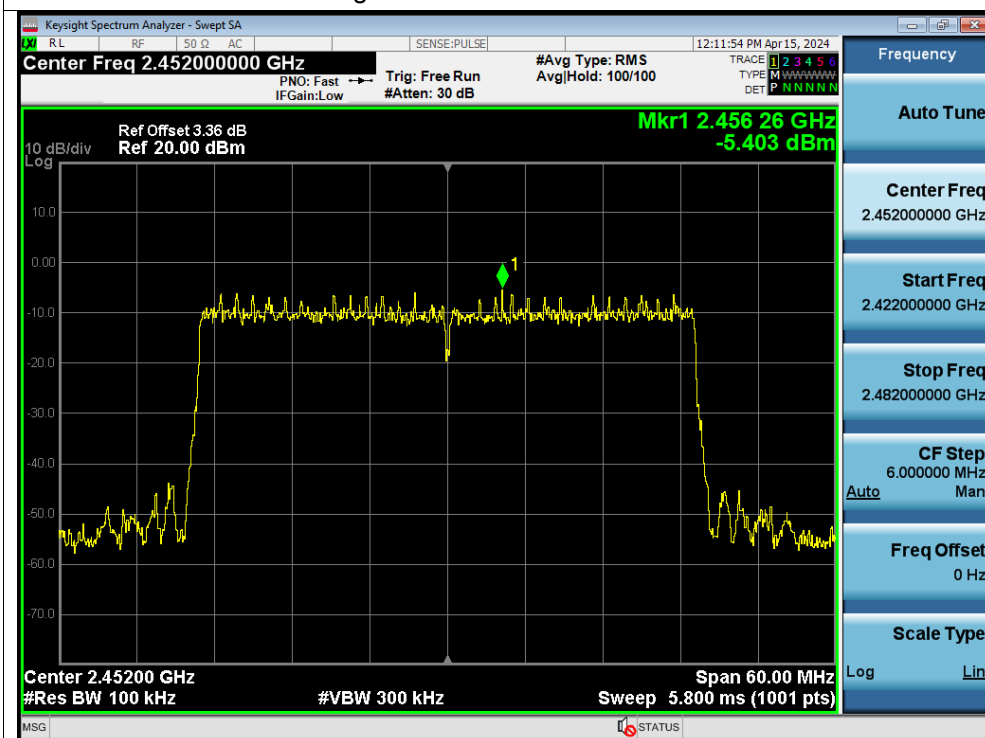
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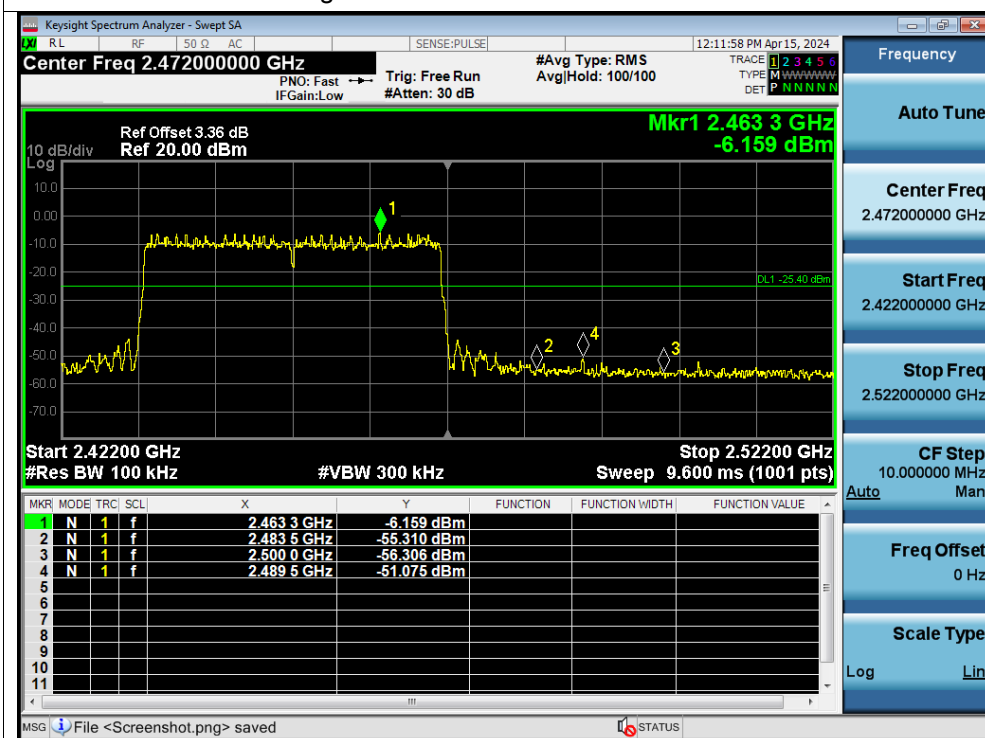
Band Edge NVNT ax40 2422MHz Ant1 Emission



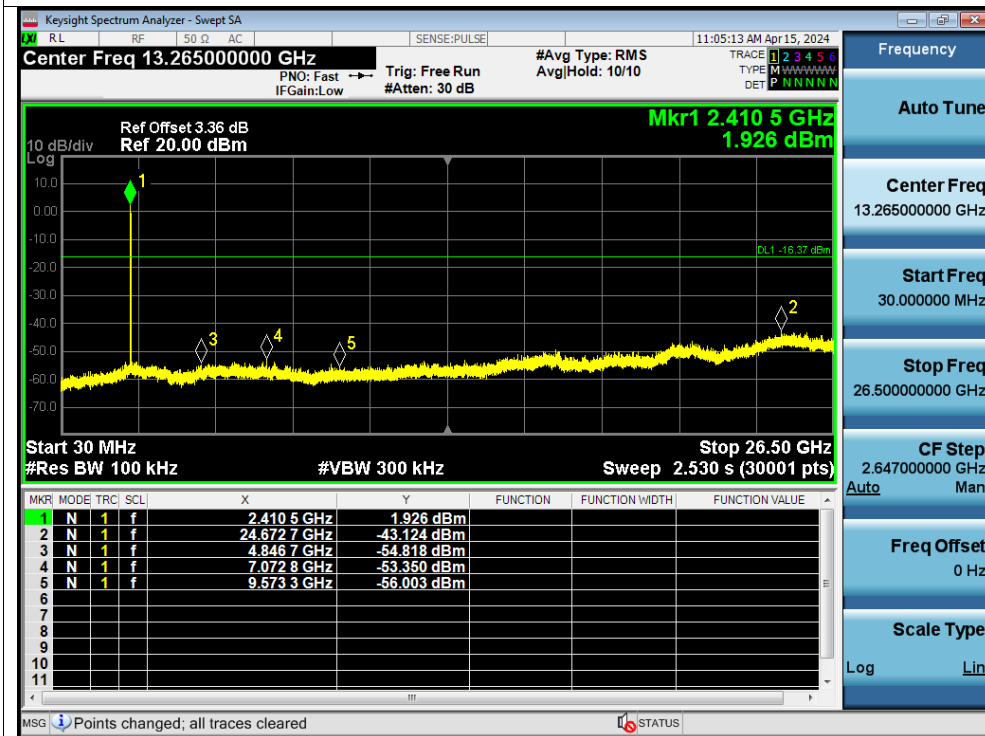
Band Edge NVNT ax40 2452MHz Ant1 Ref



Band Edge NVNT ax40 2452MHz Ant1 Emission



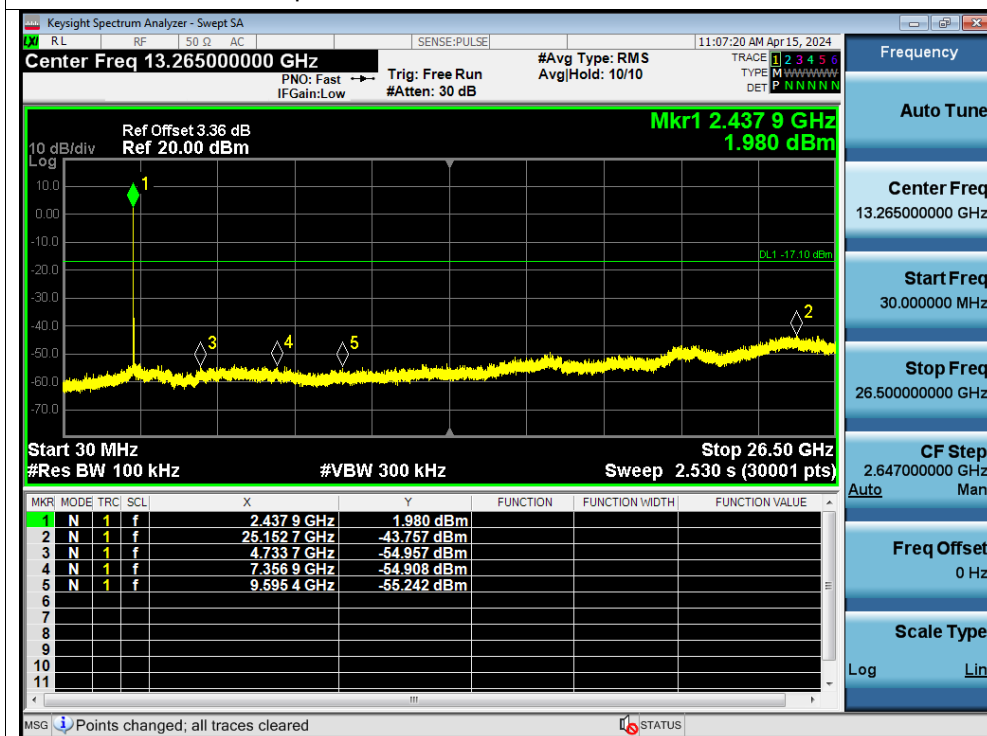
Conducted RF Spurious Emission
Test Graphs
Tx. Spurious NVNT b 2412MHz Ant1 Ref

Tx. Spurious NVNT b 2412MHz Ant1 Emission


Tx. Spurious NVNT b 2437MHz Ant1 Ref



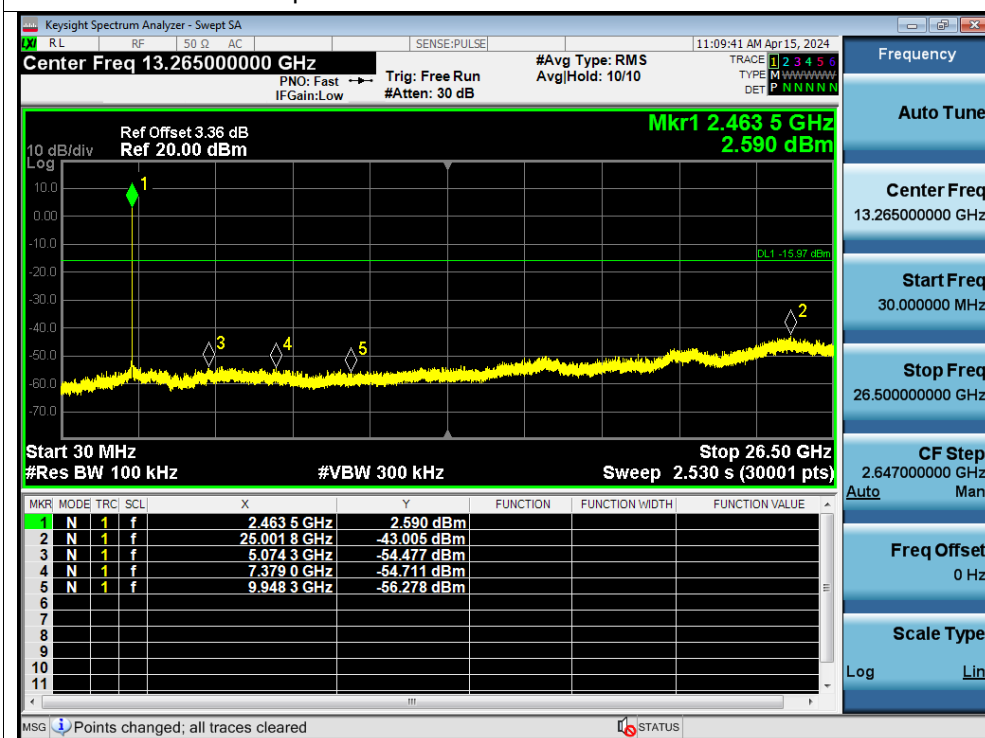
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



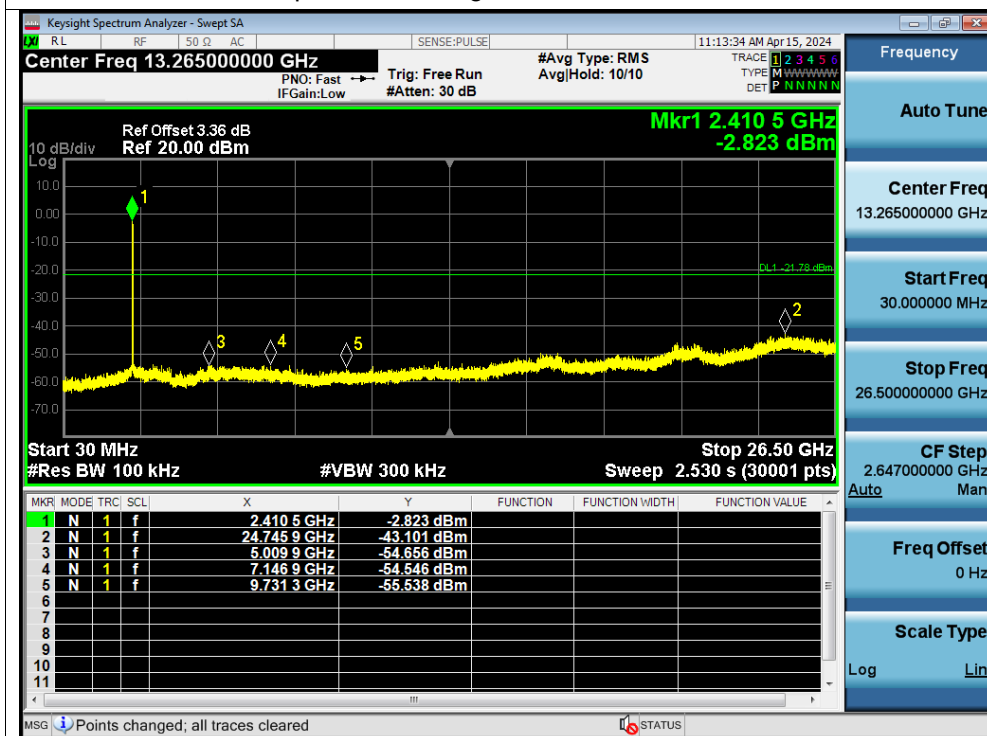
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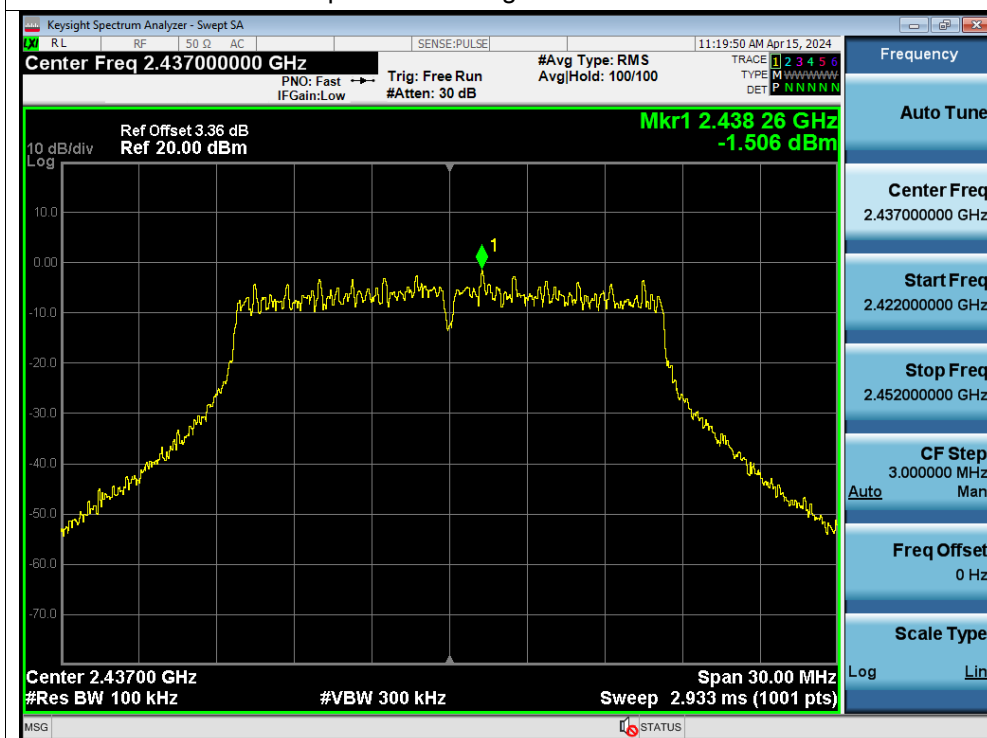
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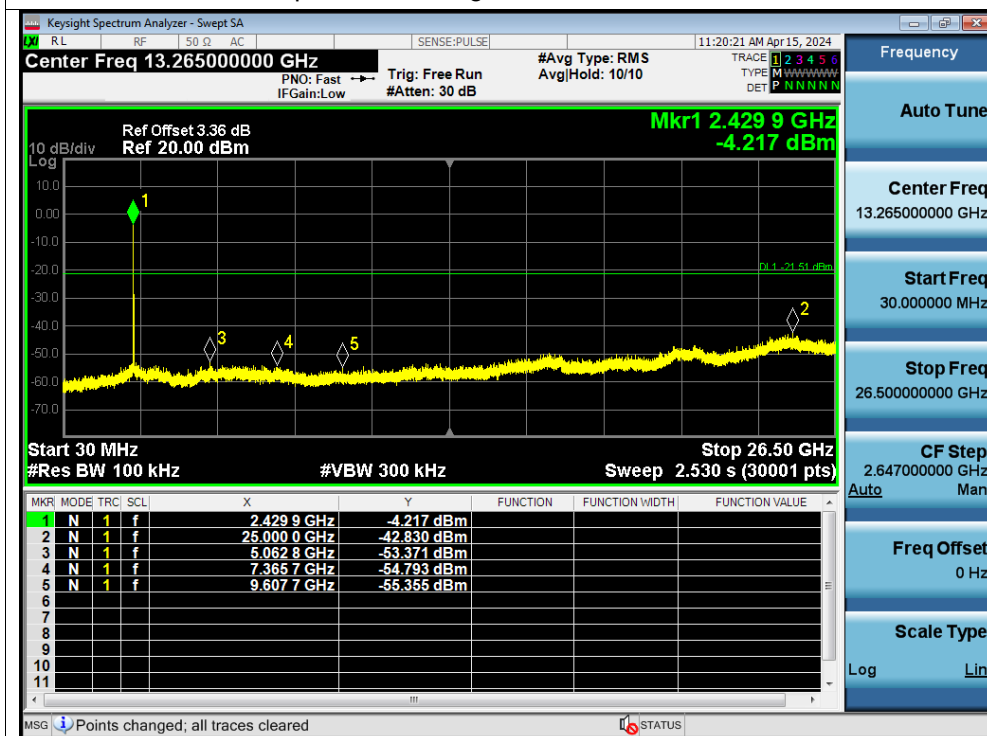
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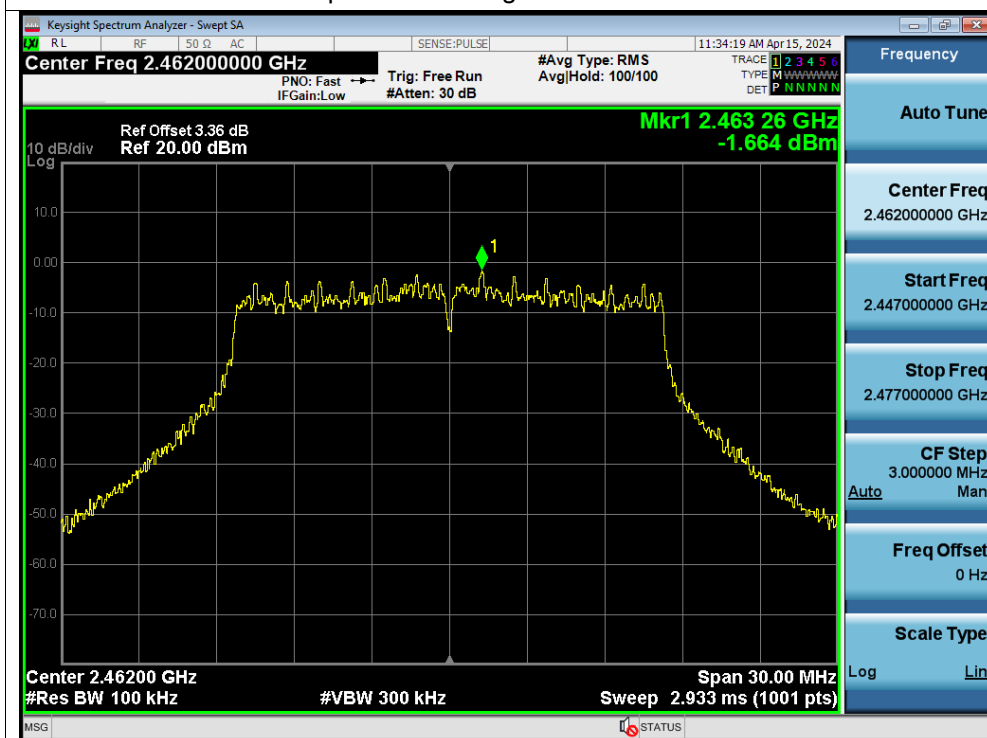
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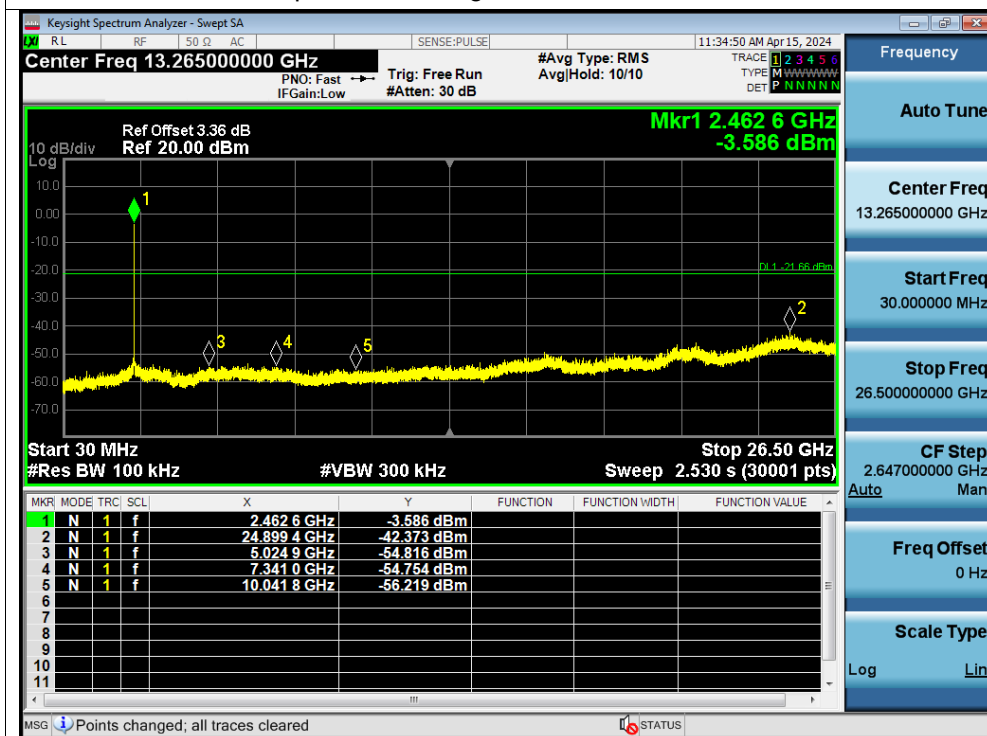
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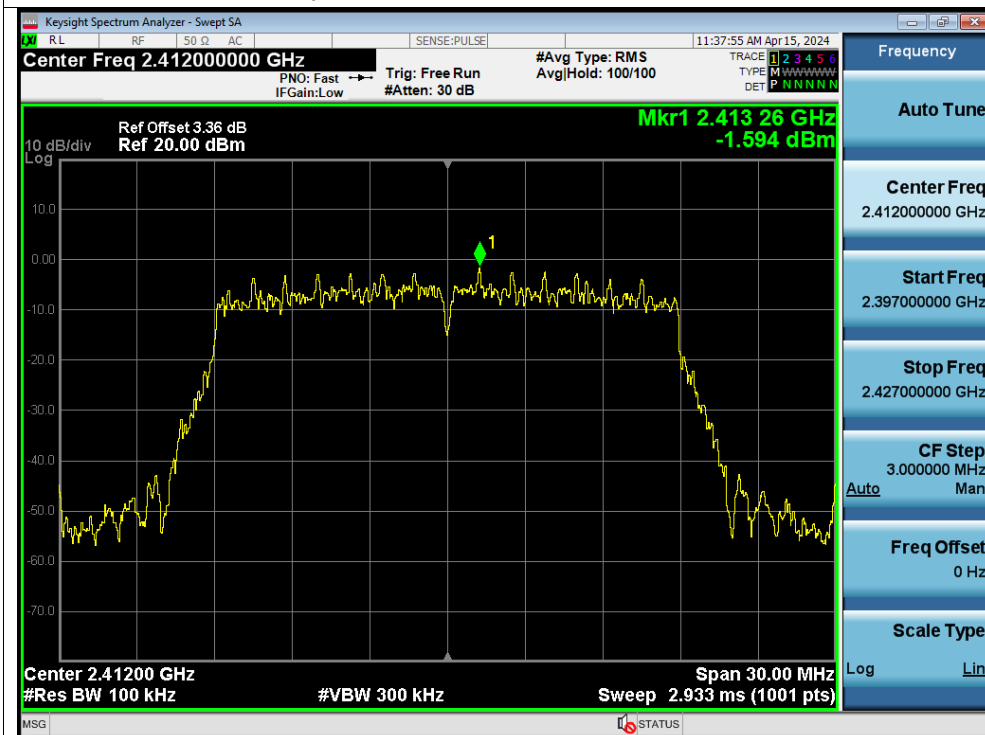
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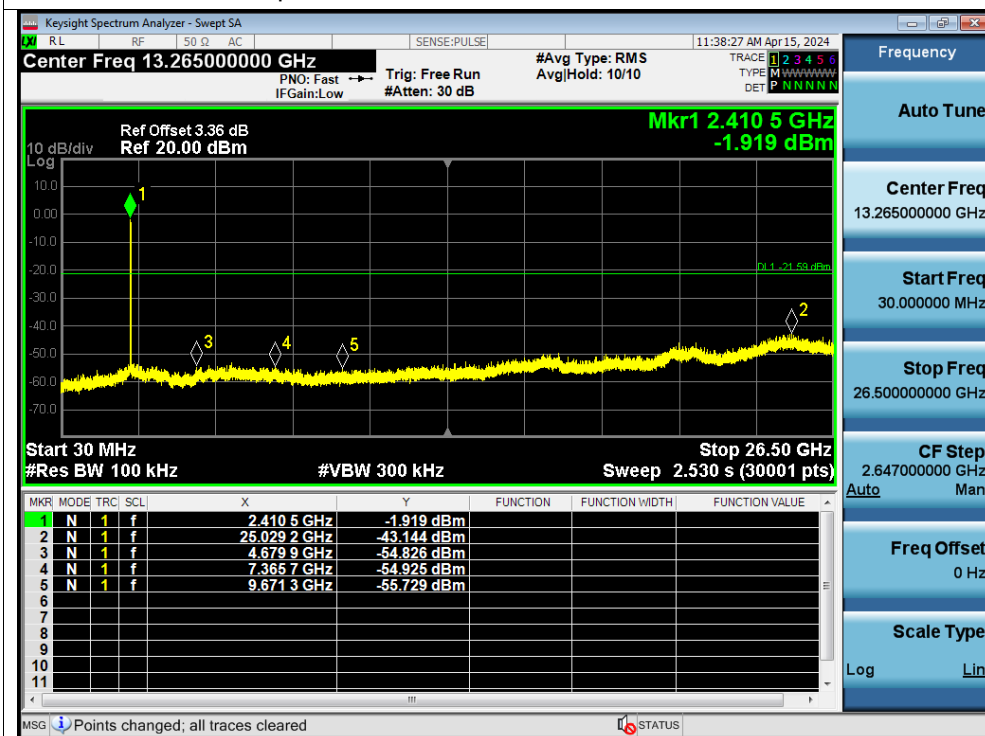
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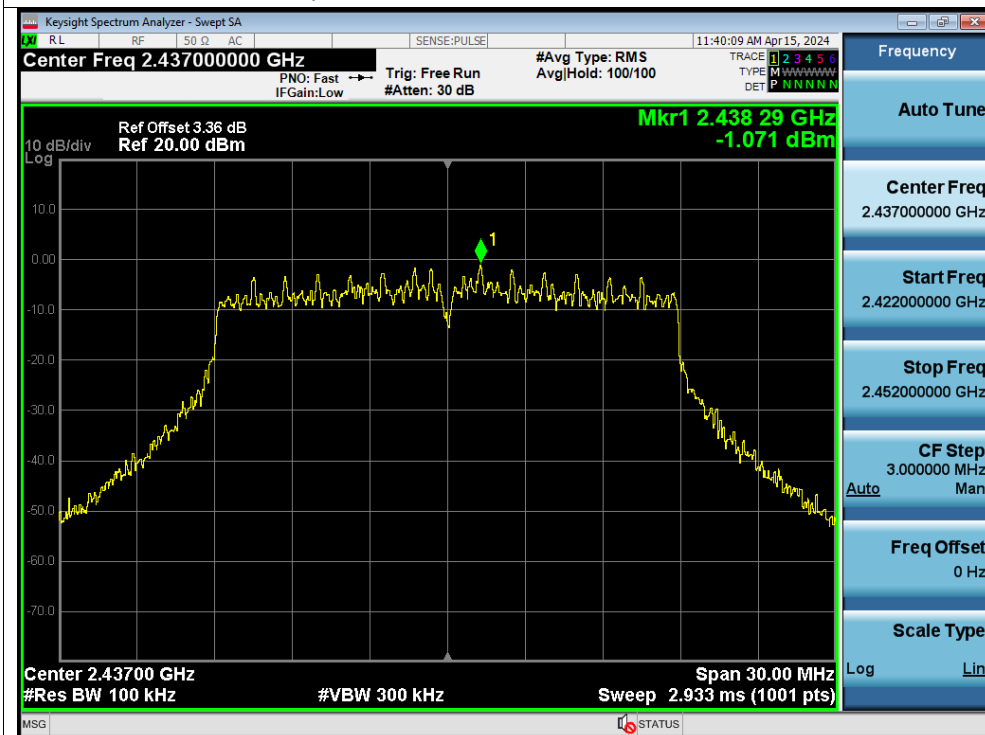
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



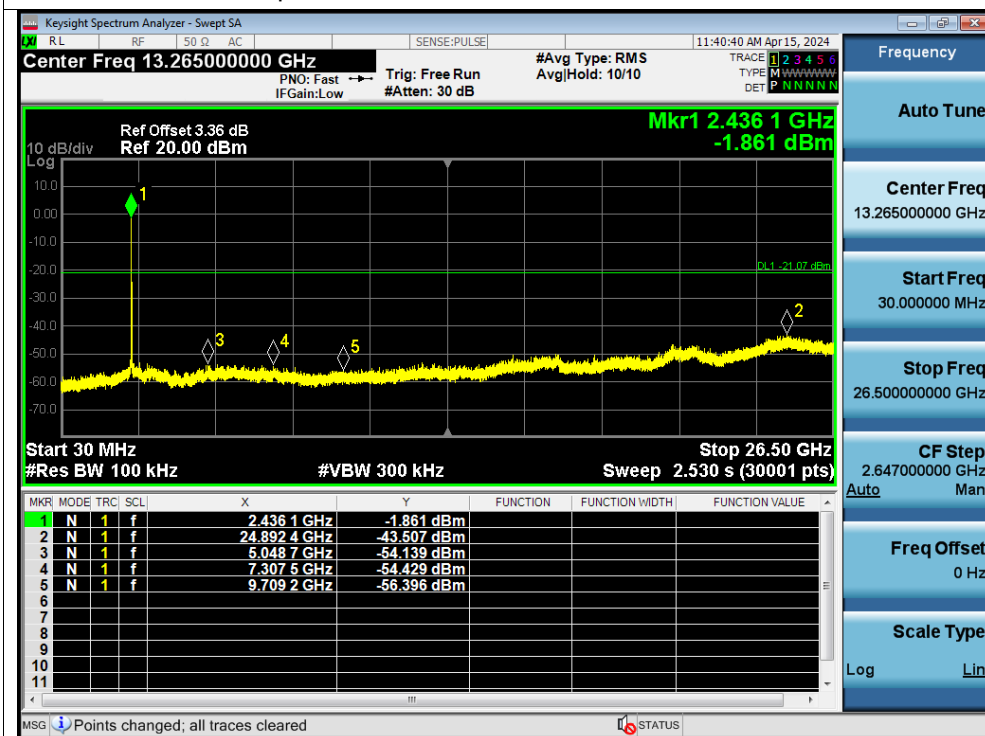
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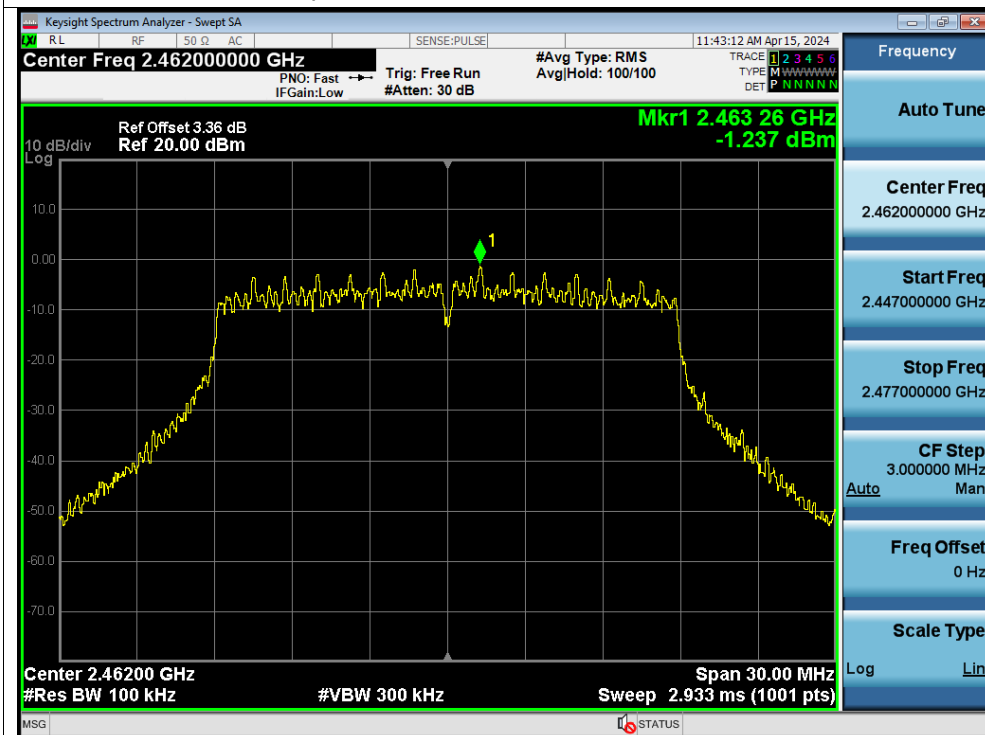
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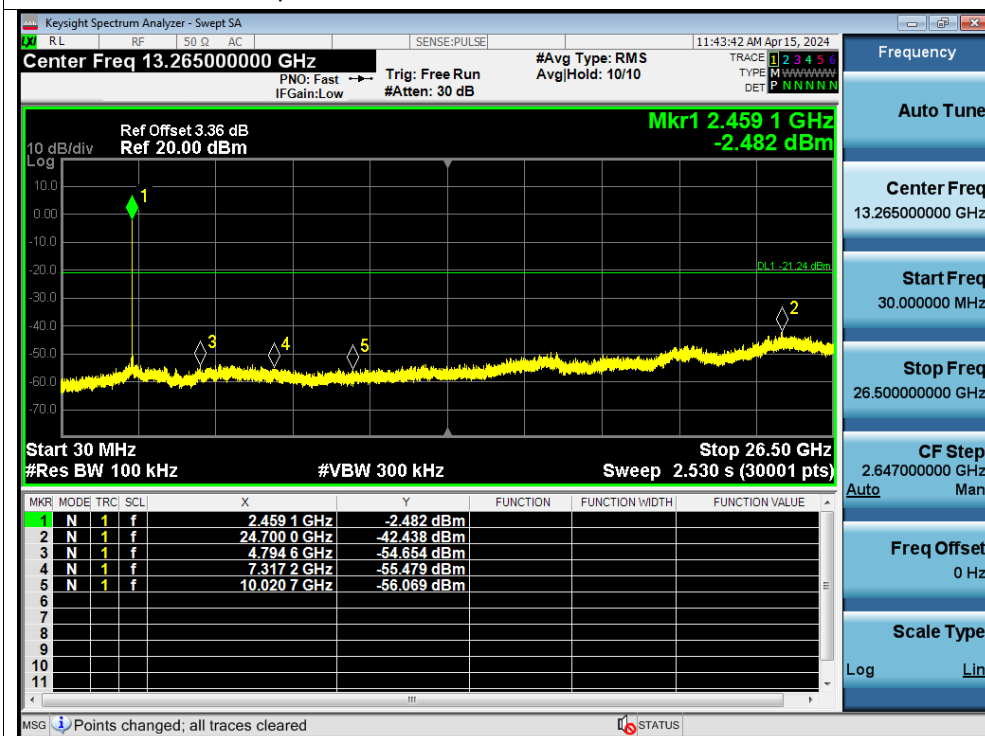
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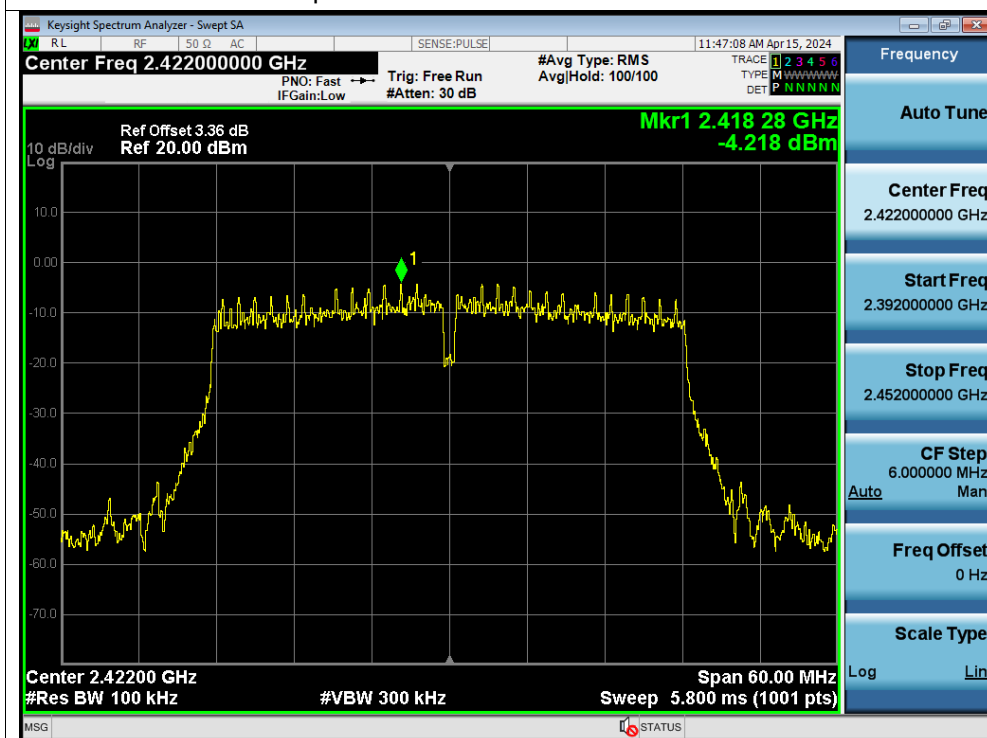
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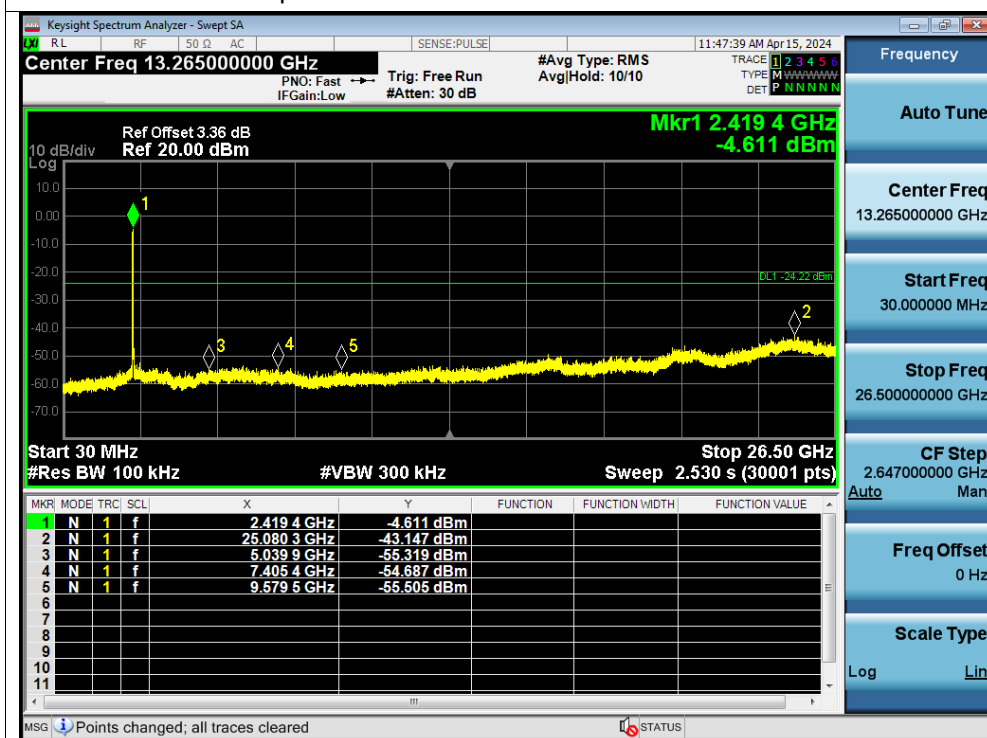
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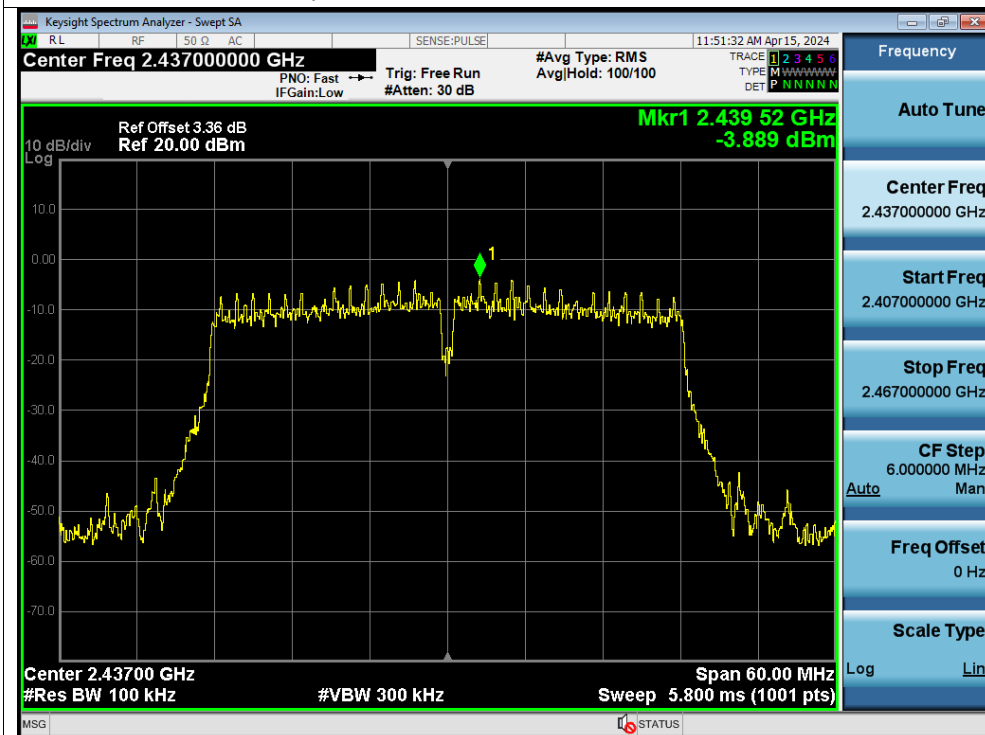
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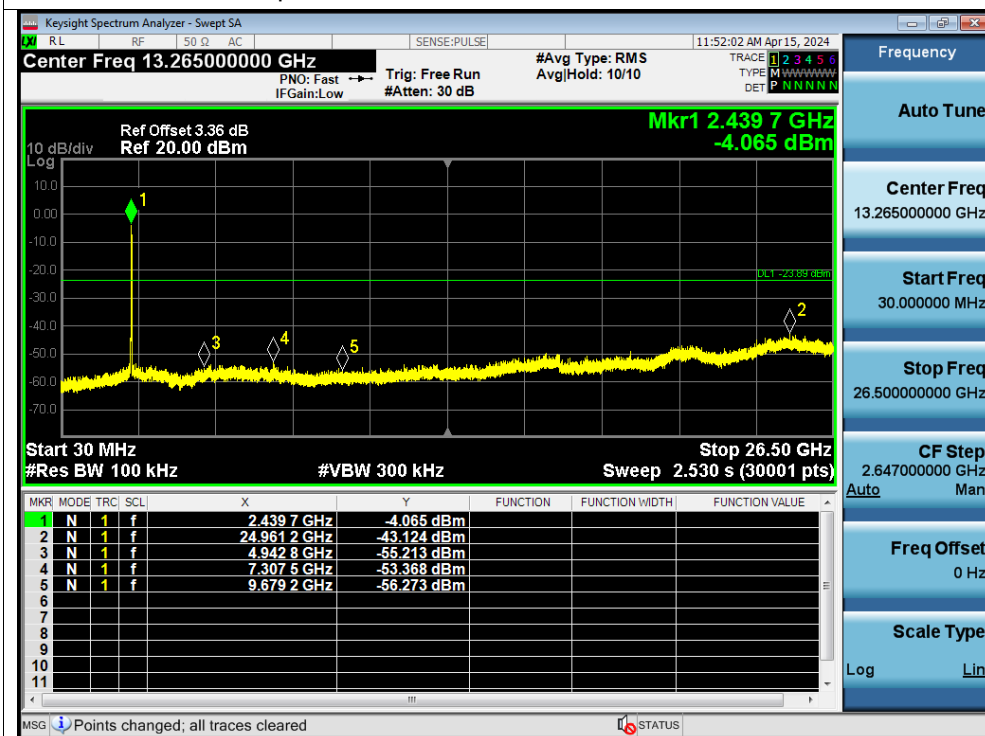
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



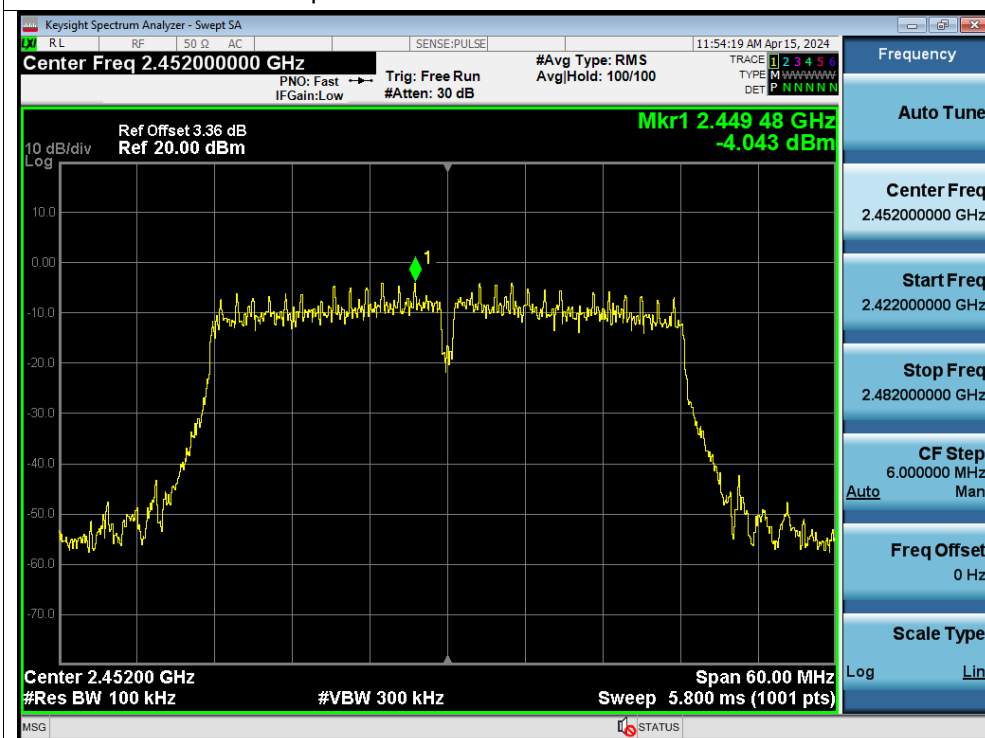
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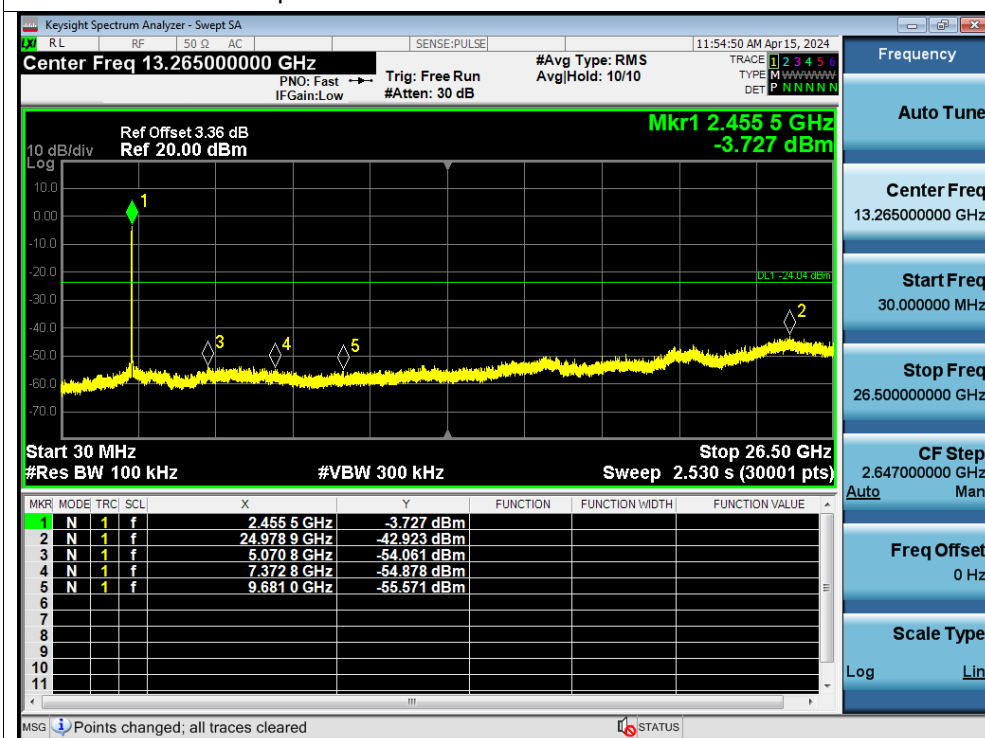
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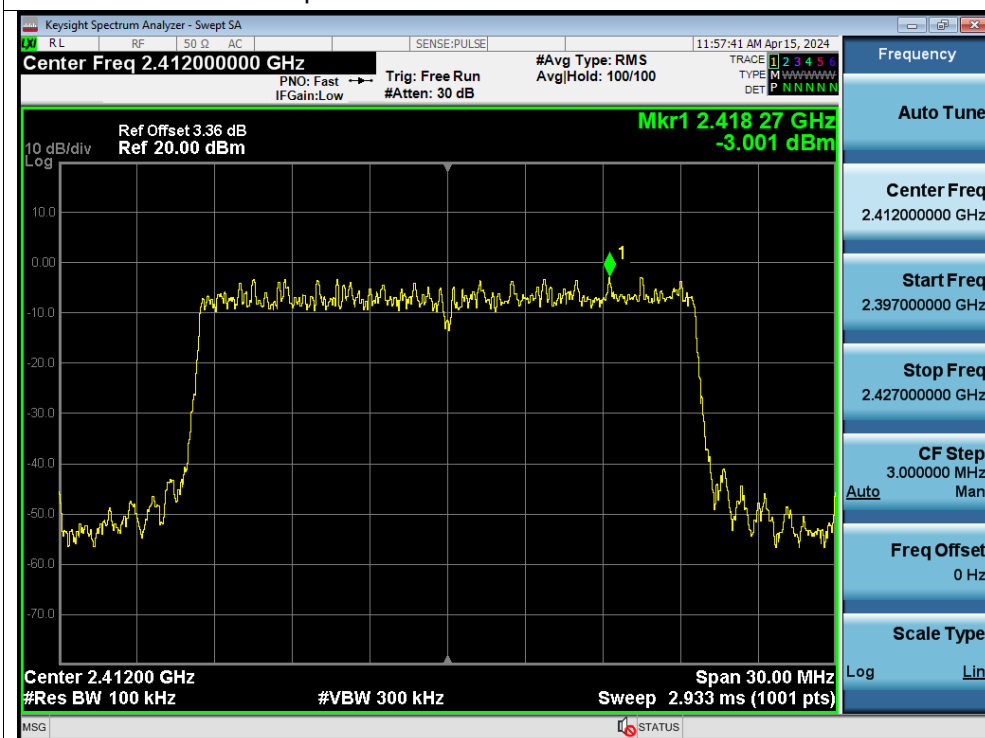
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



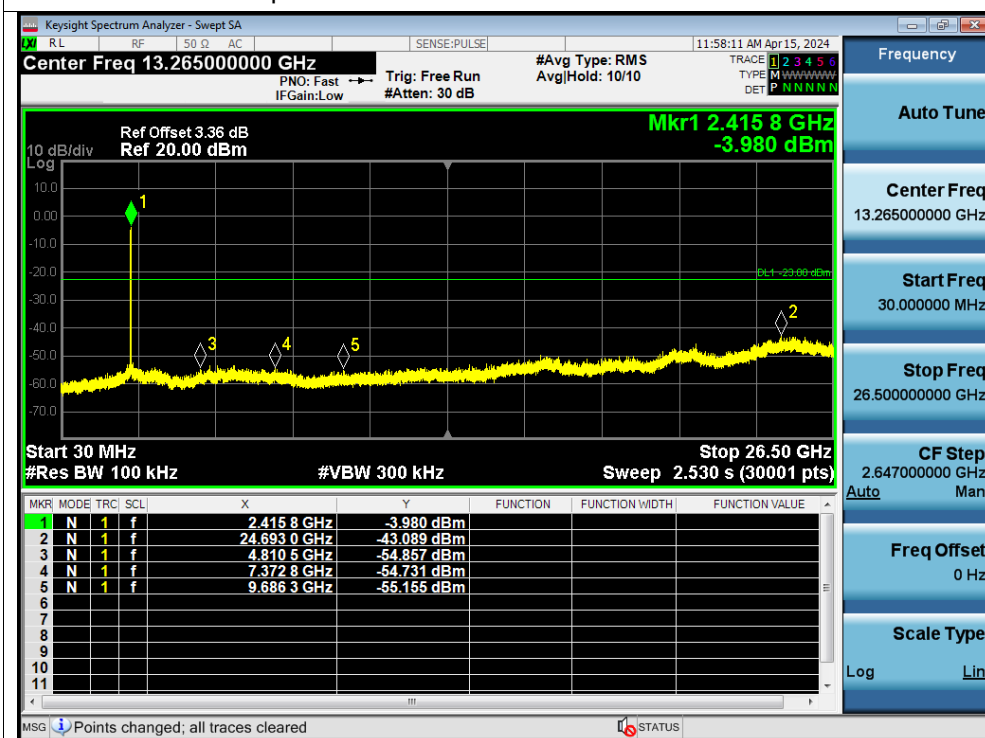
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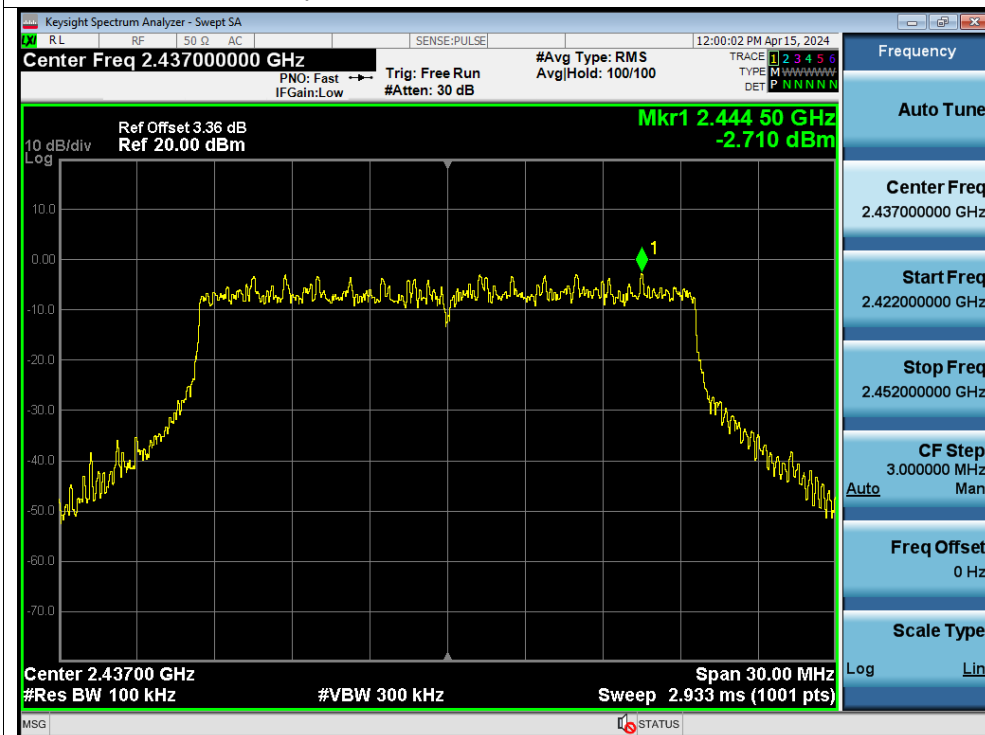
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



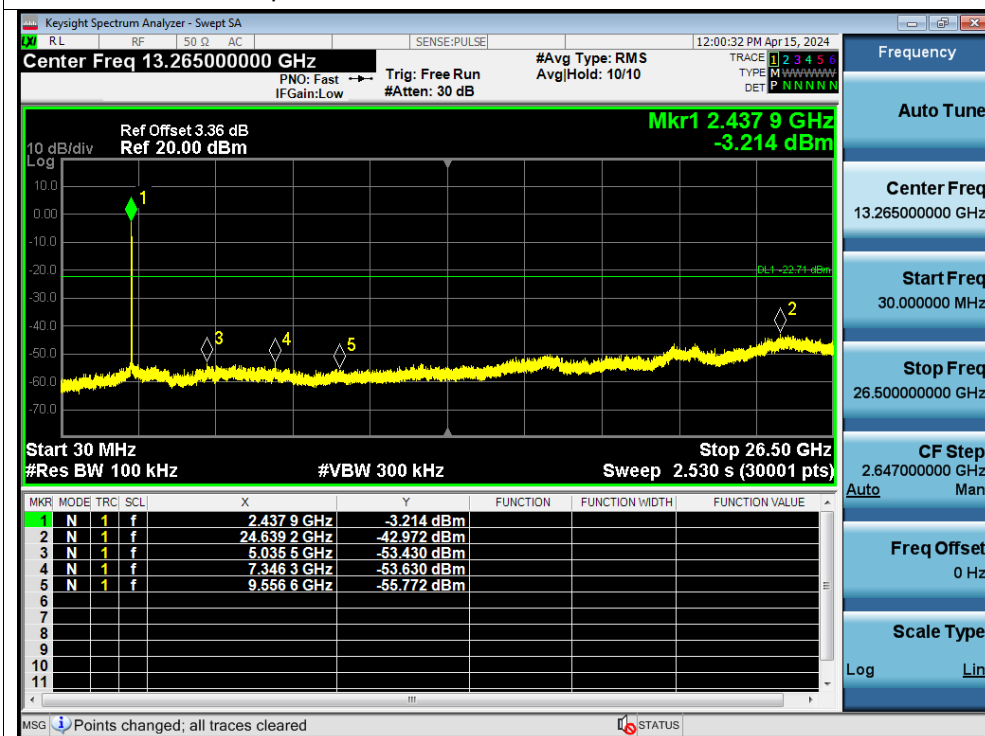
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



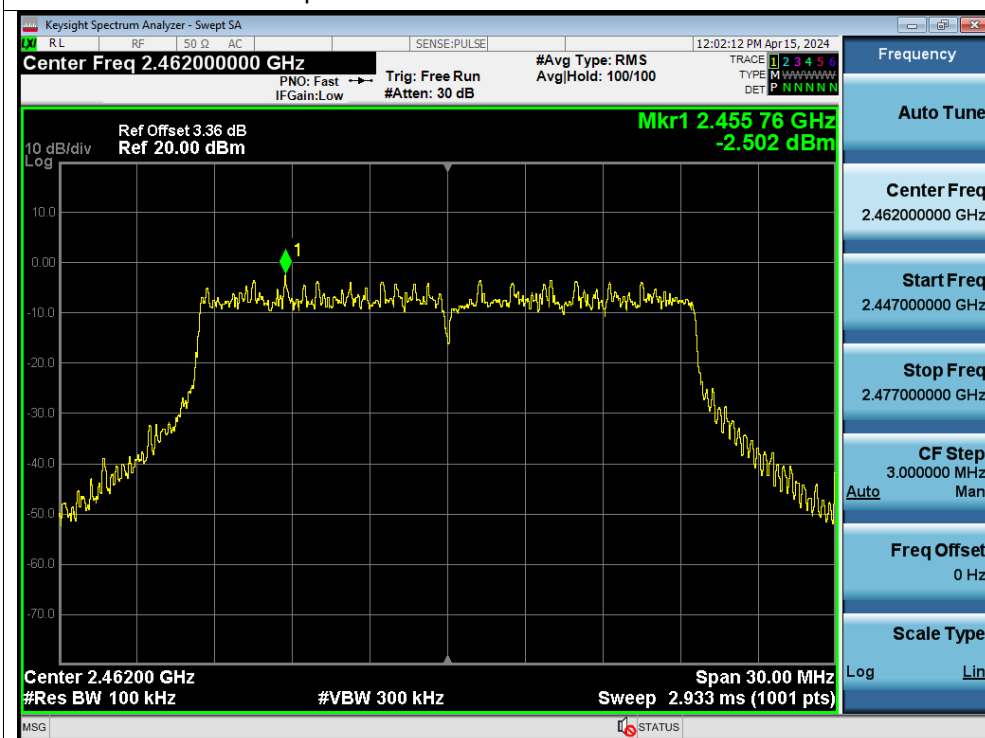
Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



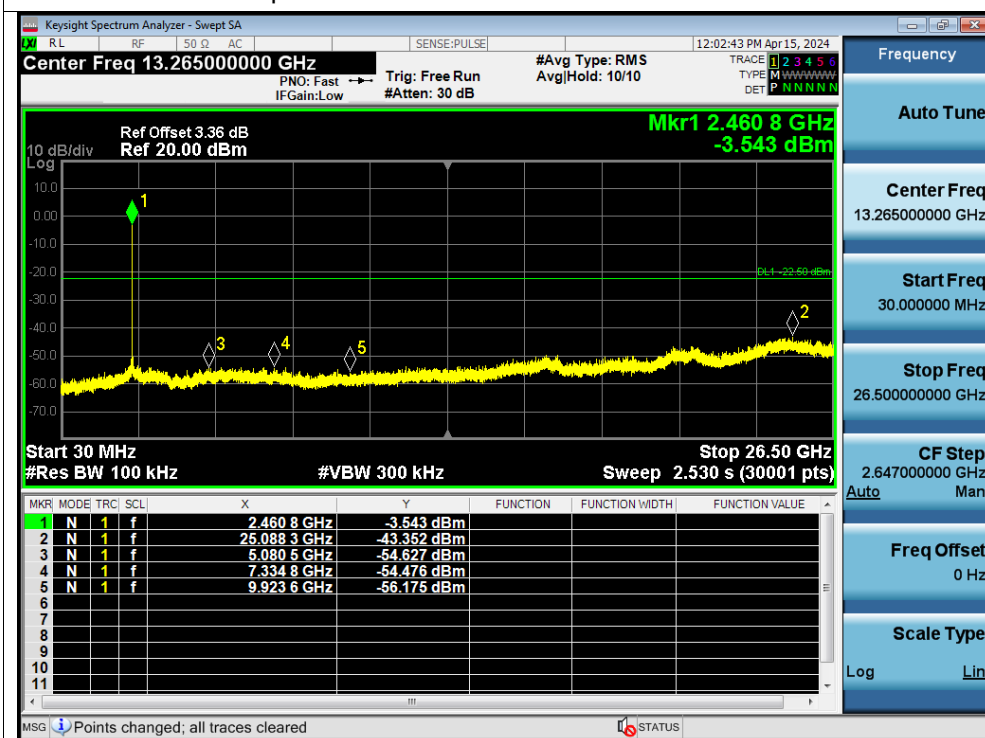
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



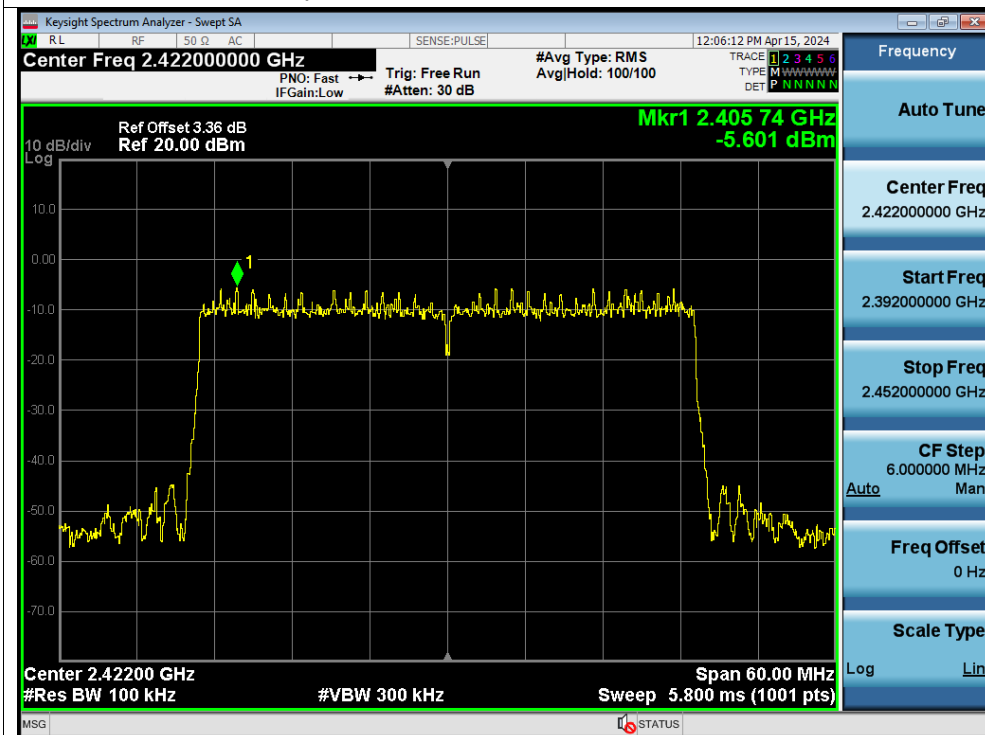
Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



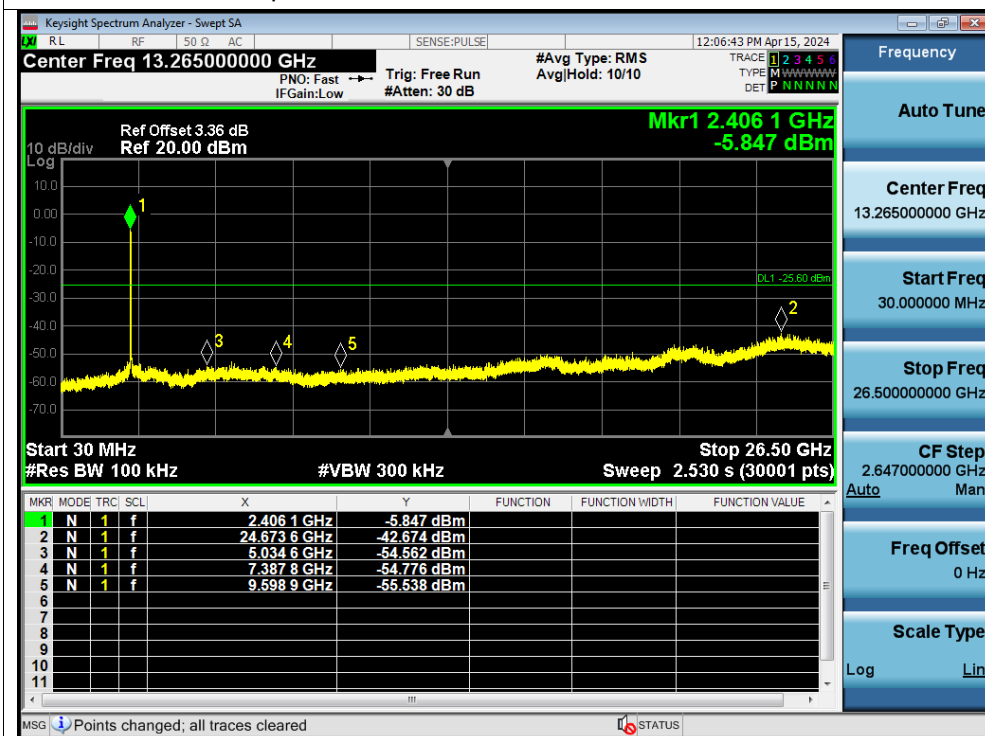
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



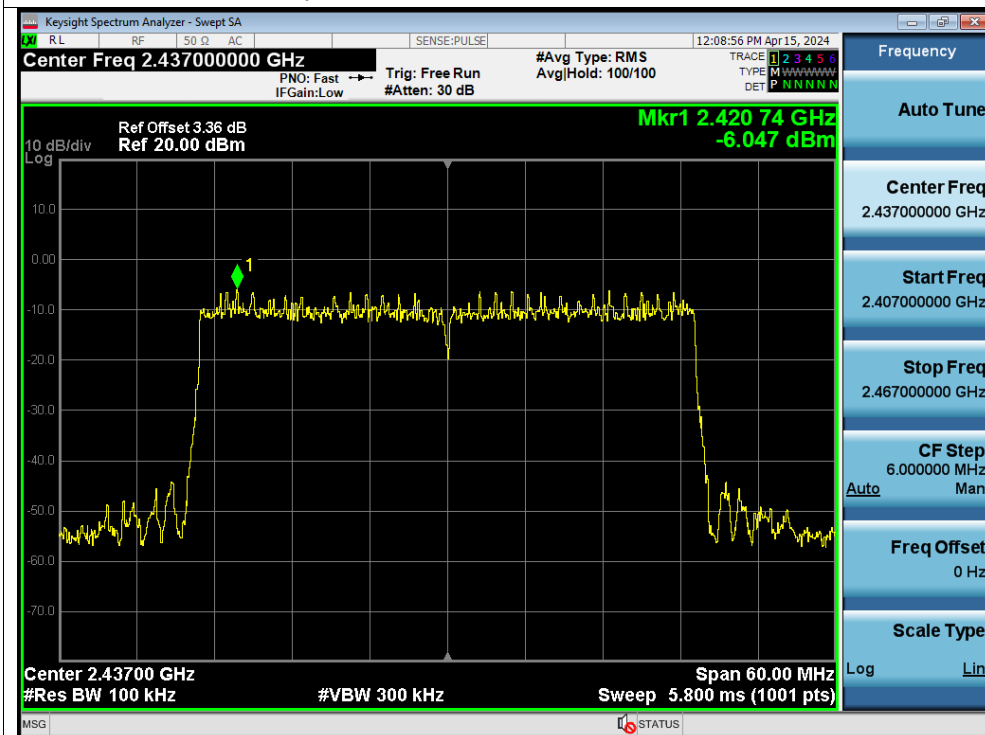
Tx. Spurious NVNT ax40 2422MHz Ant1 Ref



Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



Tx. Spurious NVNT ax40 2437MHz Ant1 Emission

