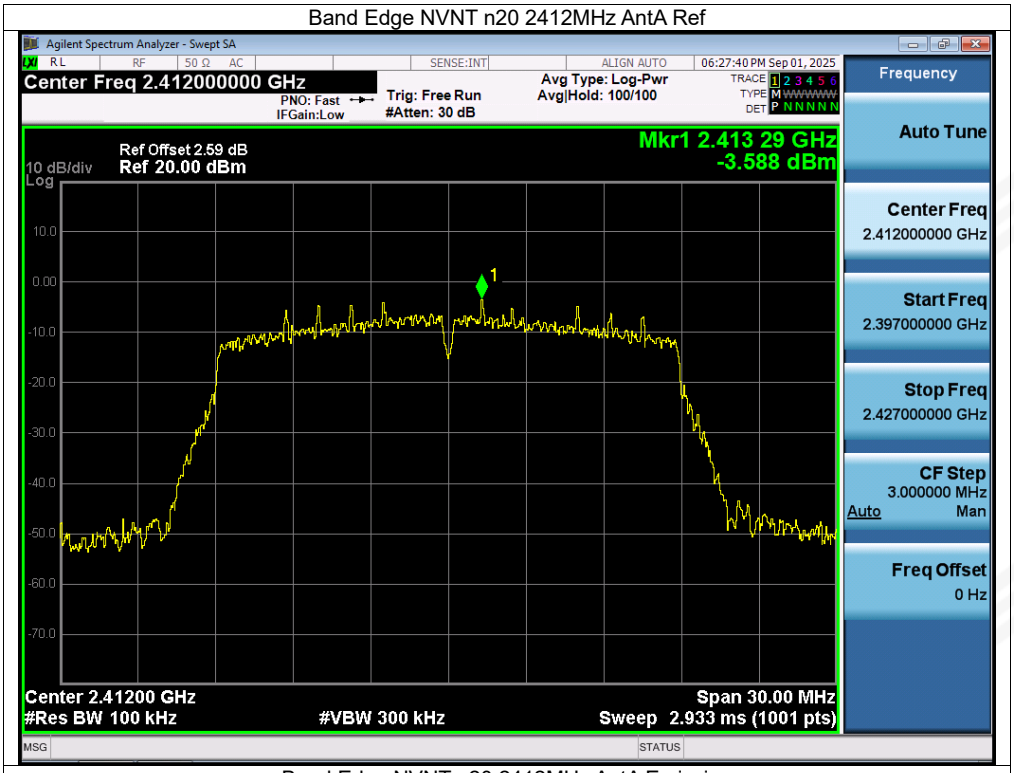
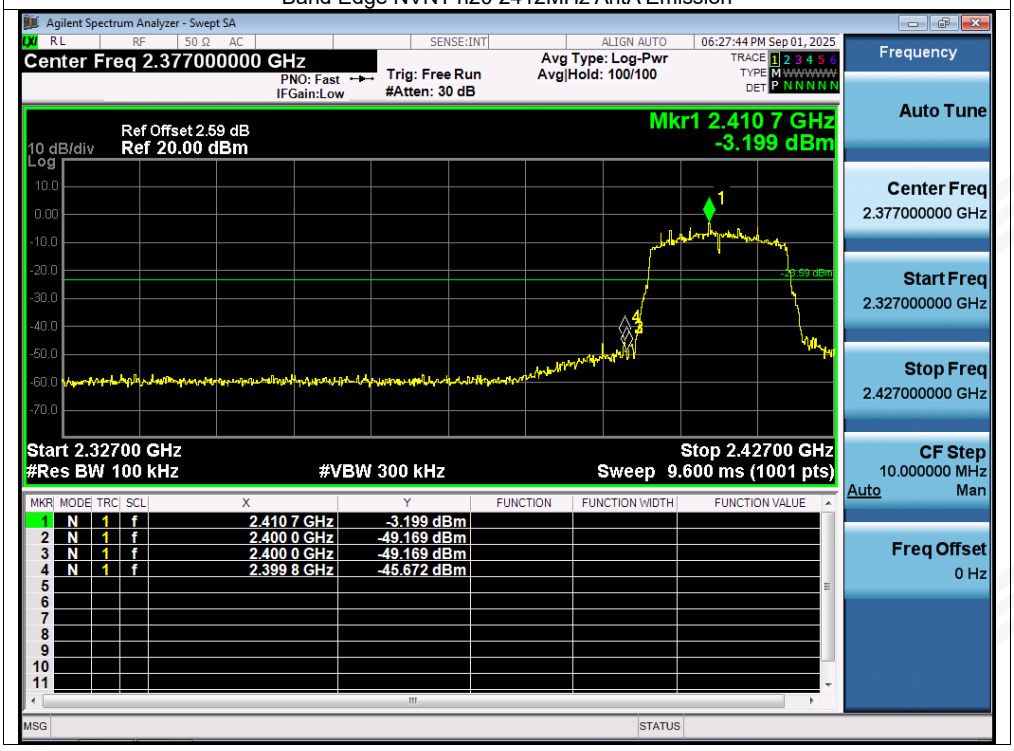
Band Edge NVNT g 2462MHz AntA Ref

Band Edge NVNT g 2462MHz AntA Emission

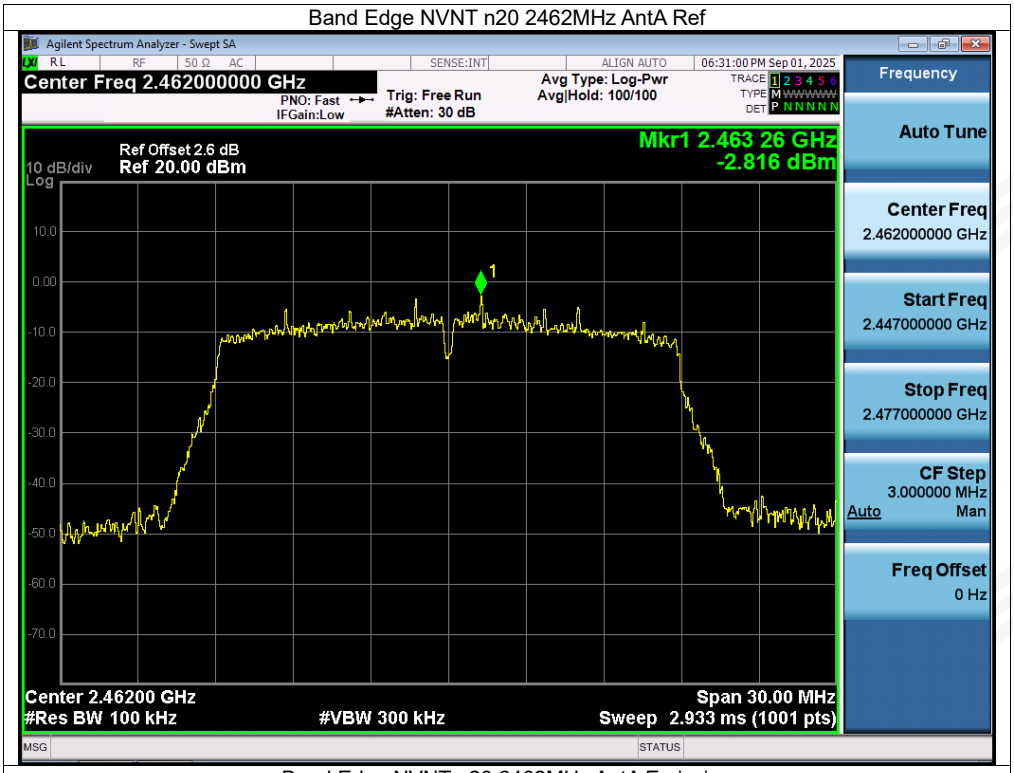
Band Edge NVNT n20 2412MHz AntA Ref



Band Edge NVNT n20 2412MHz AntA Emission

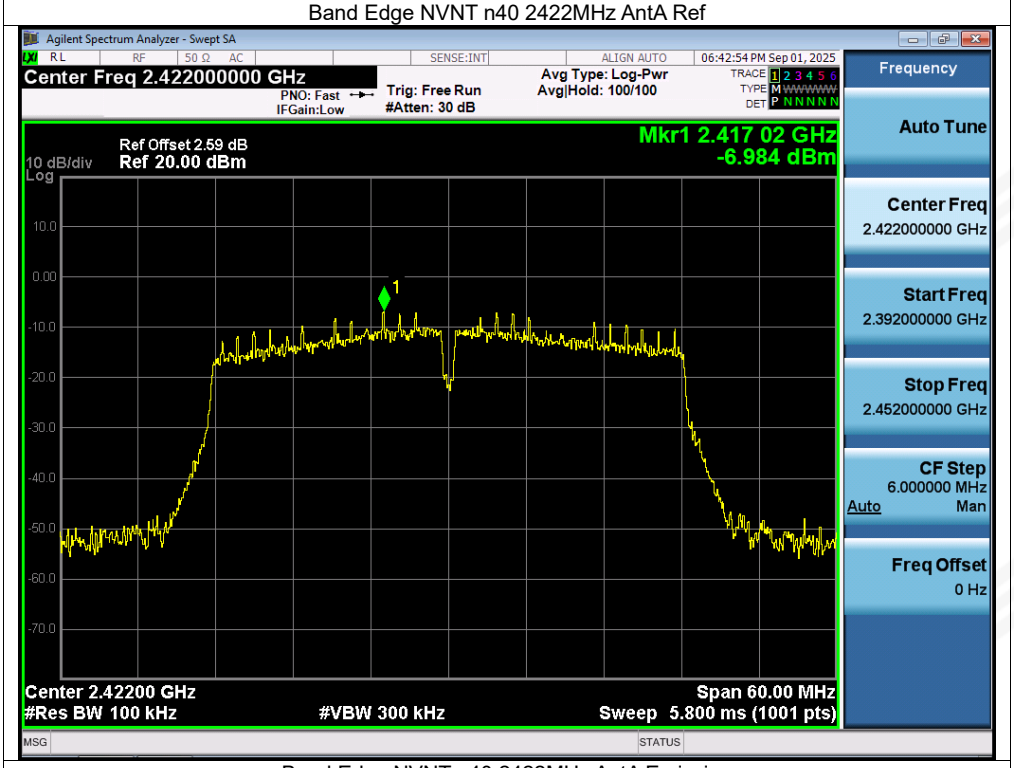


Band Edge NVNT n20 2462MHz AntA Ref

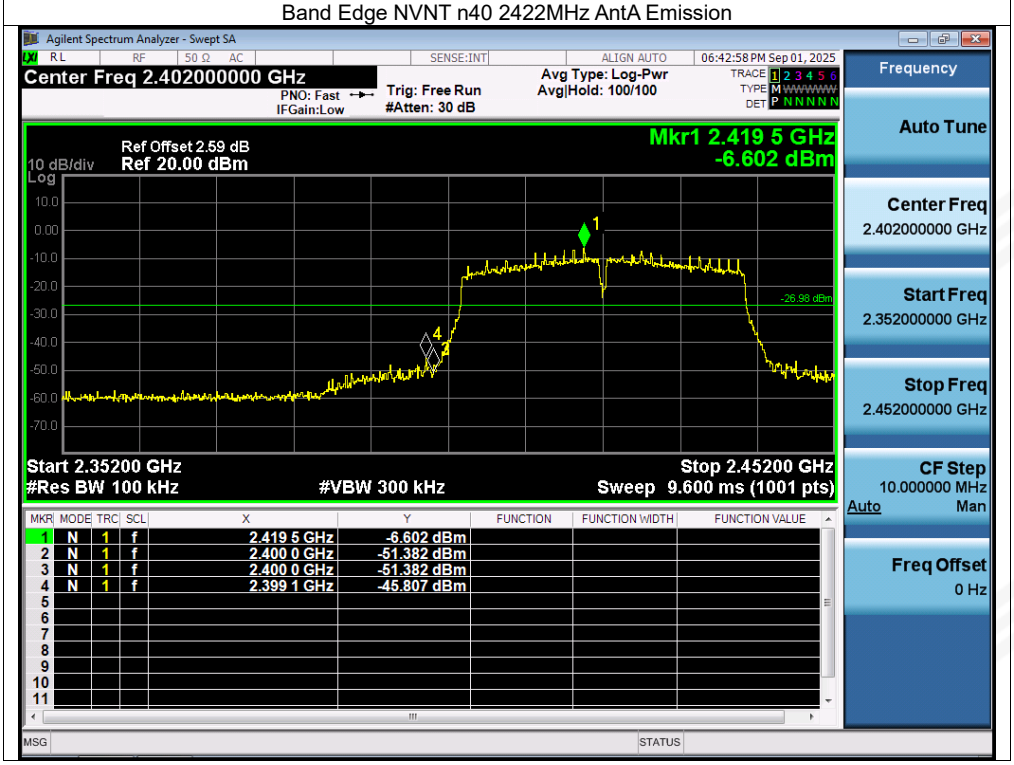


Band Edge NVNT n20 2462MHz AntA Emission

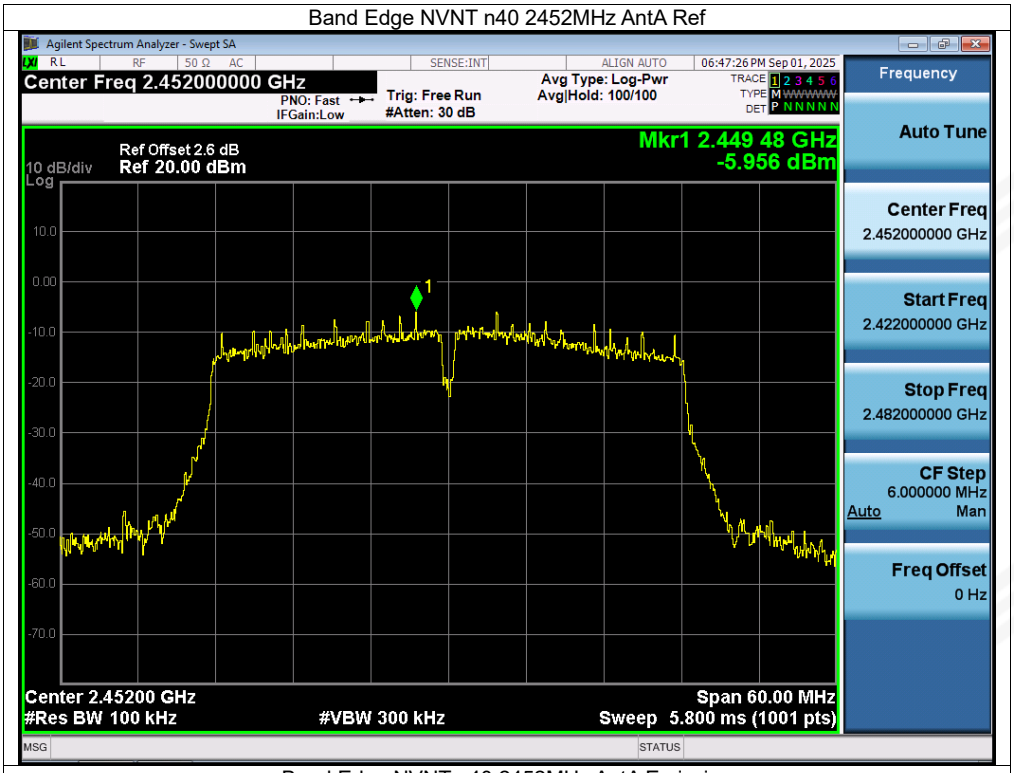
Band Edge NVNT n40 2422MHz AntA Ref



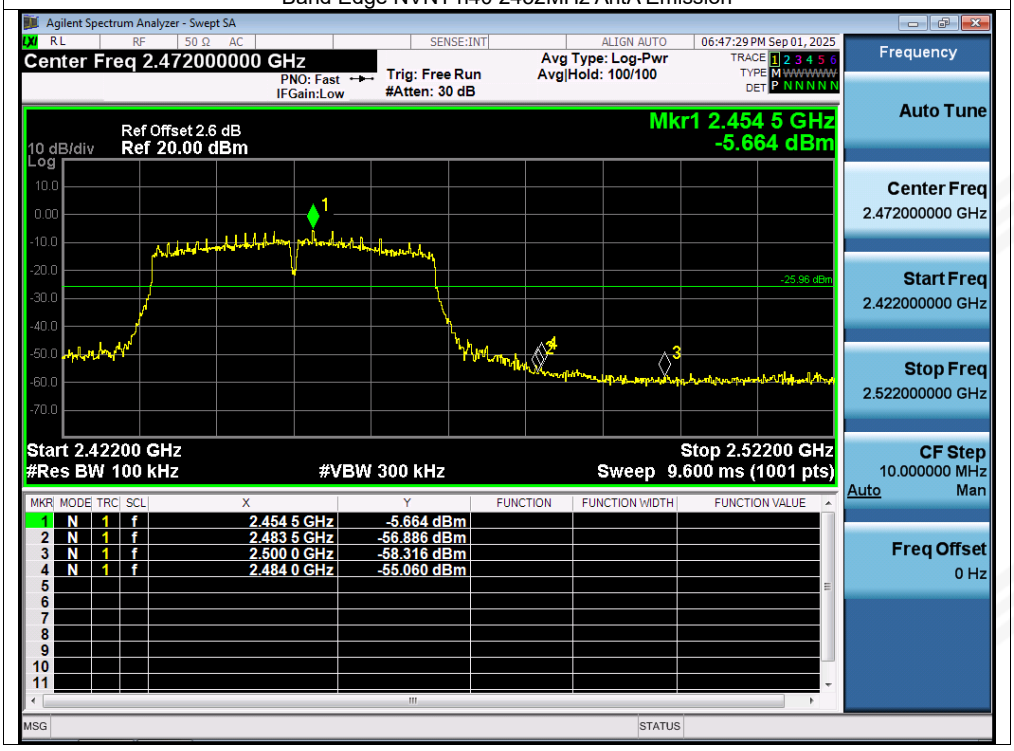
Band Edge NVNT n40 2422MHz AntA Emission



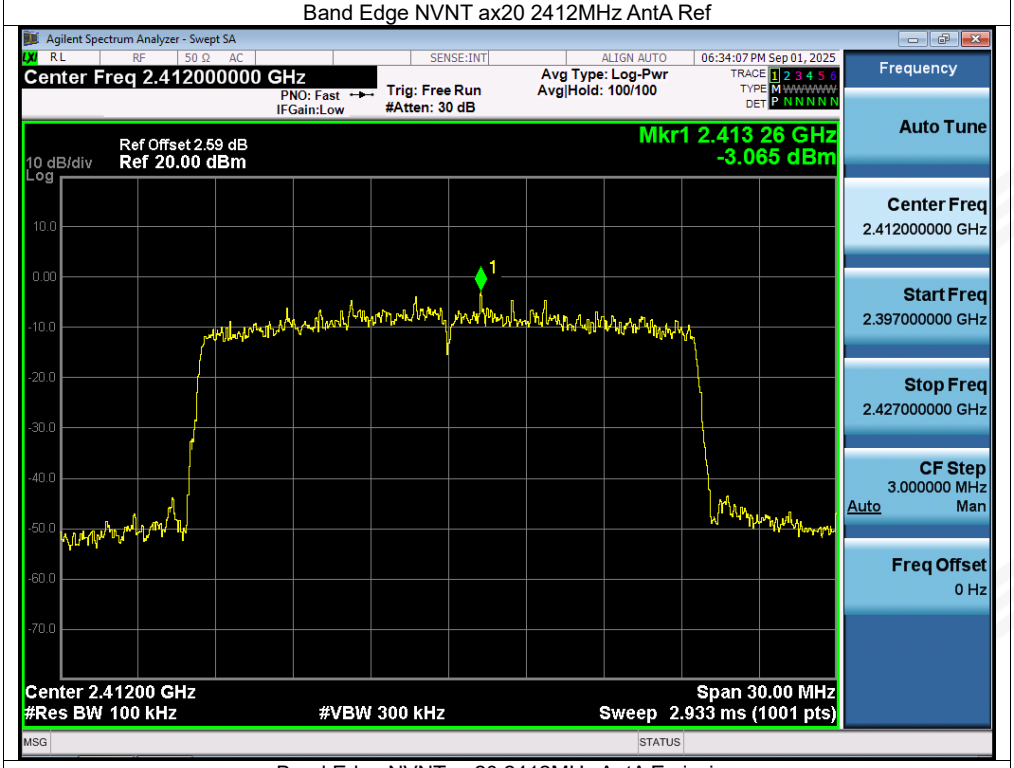
Band Edge NVNT n40 2452MHz AntA Ref



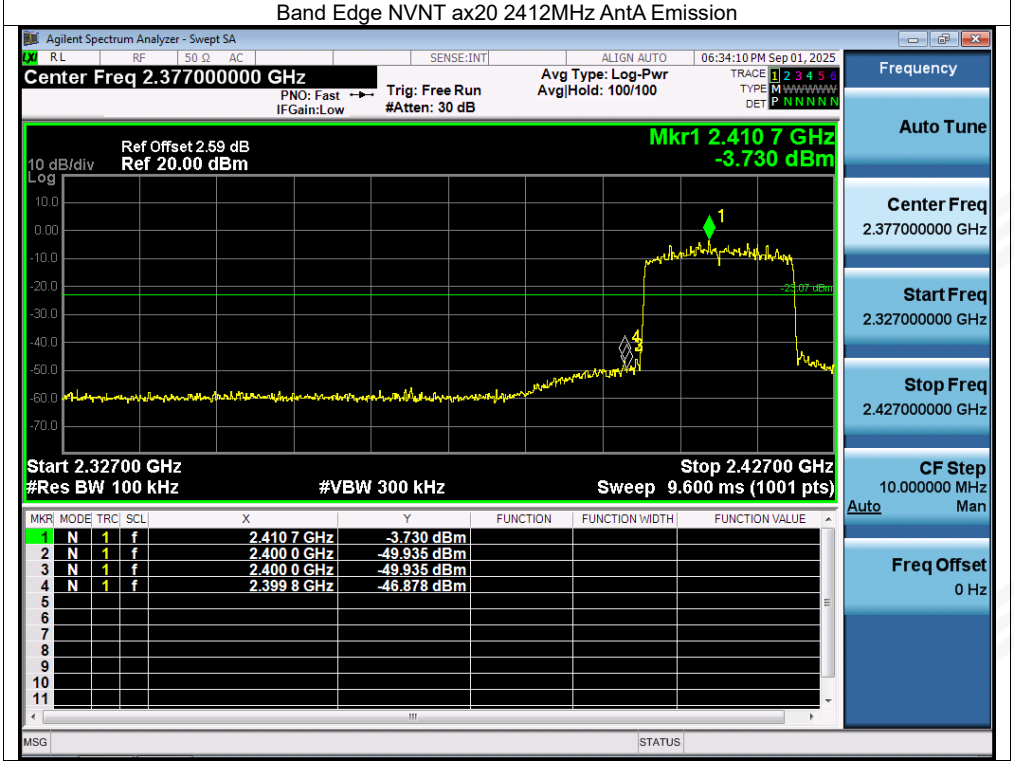
Band Edge NVNT n40 2452MHz AntA Emission



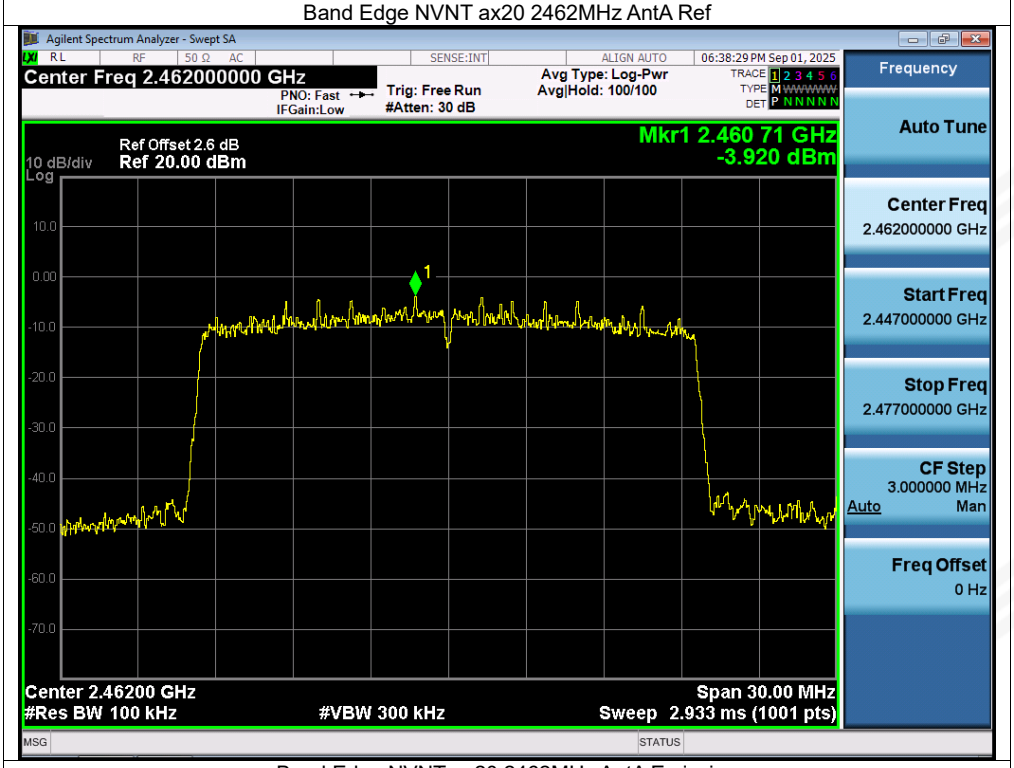
Band Edge NVNT ax20 2412MHz AntA Ref



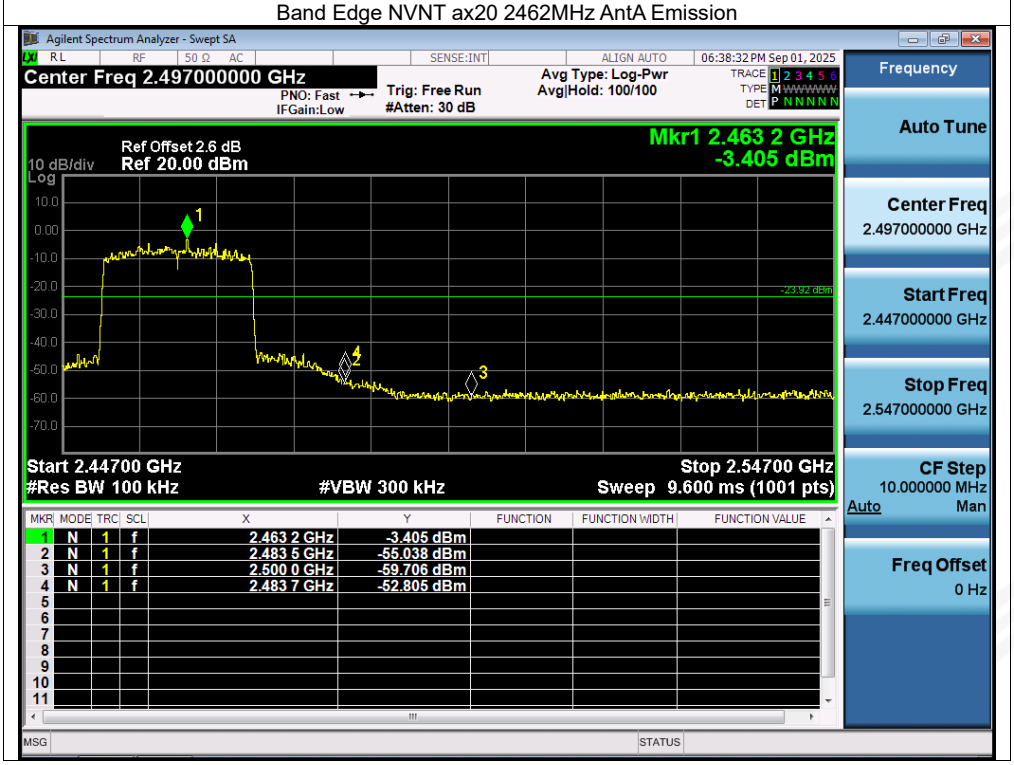
Band Edge NVNT ax20 2412MHz AntA Emission



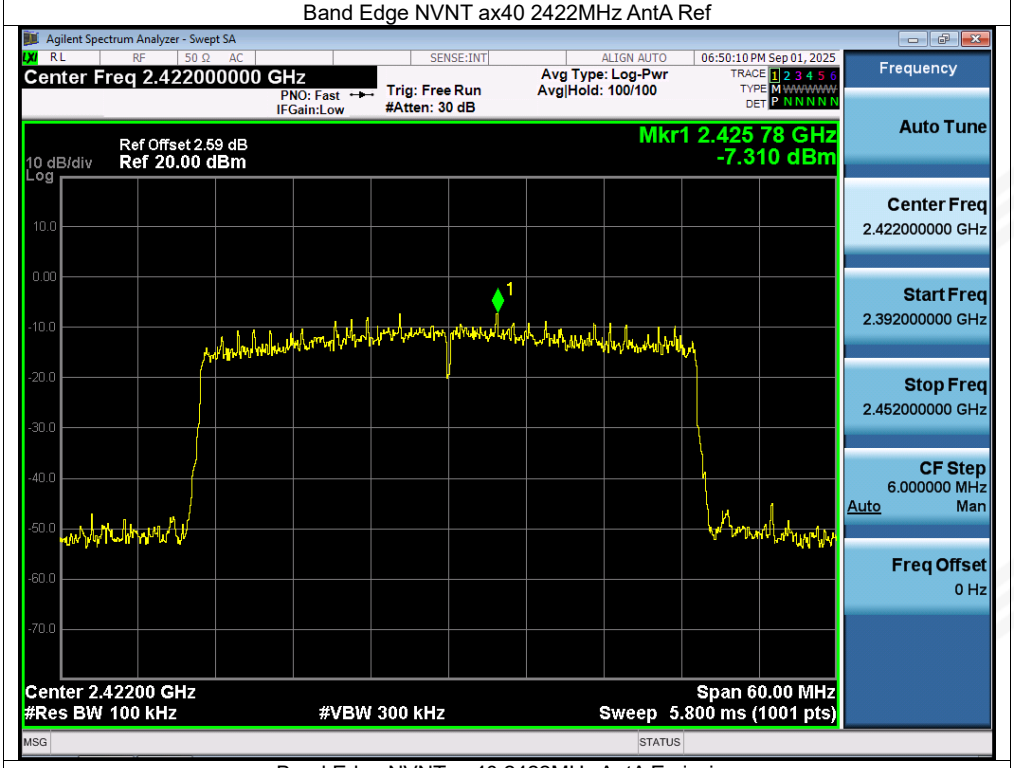
Band Edge NVNT ax20 2462MHz AntA Ref



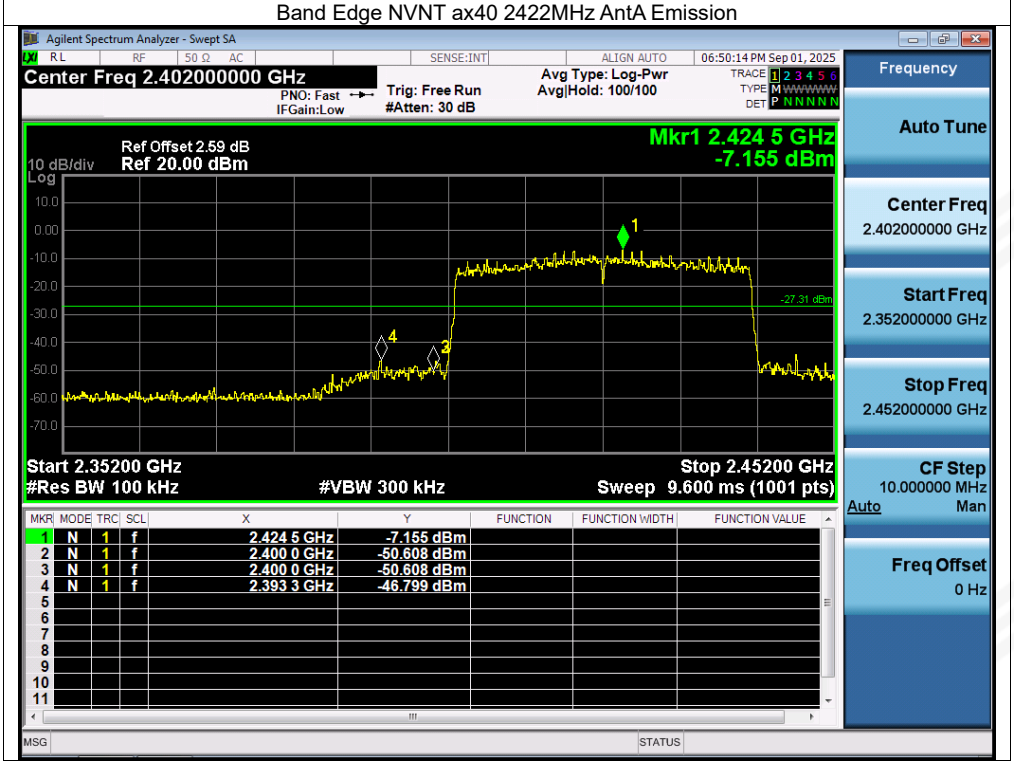
Band Edge NVNT ax20 2462MHz AntA Emission



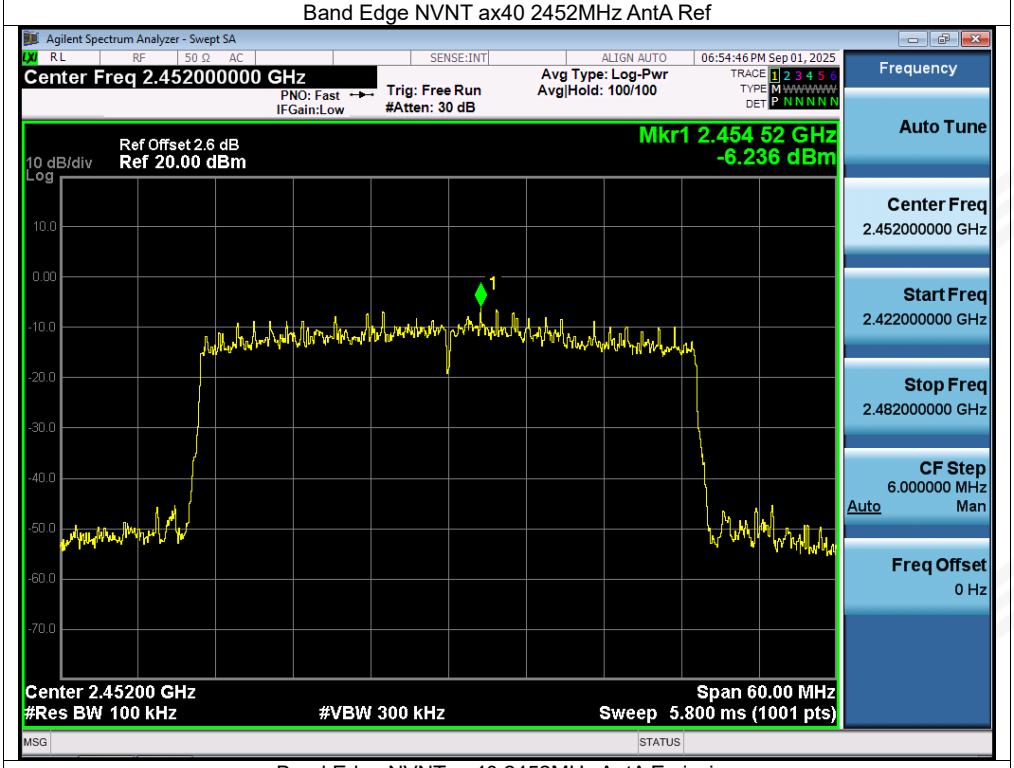
Band Edge NVNT ax40 2422MHz AntA Ref



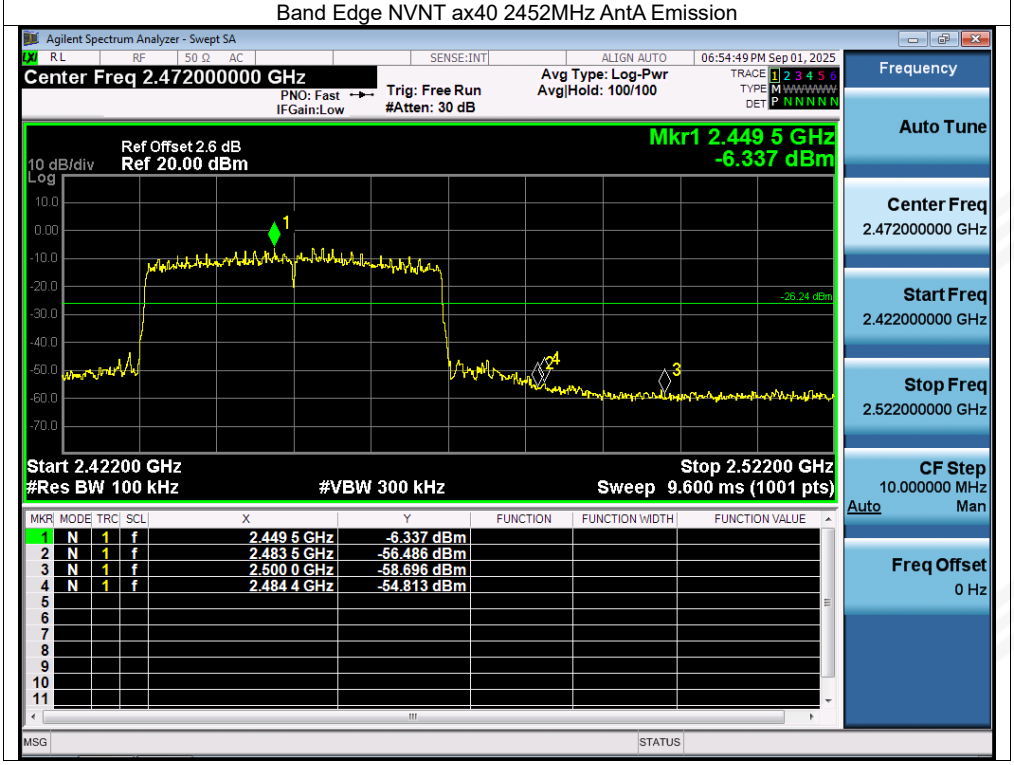
Band Edge NVNT ax40 2422MHz AntA Emission



Band Edge NVNT ax40 2452MHz AntA Ref



Band Edge NVNT ax40 2452MHz AntA Emission



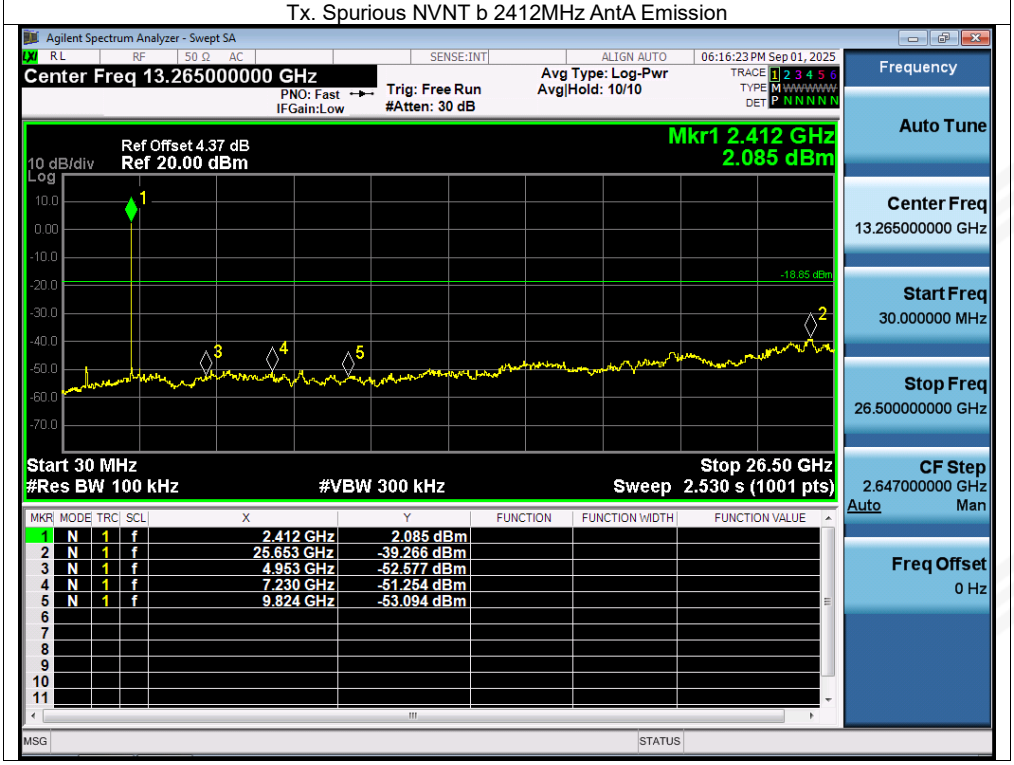
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	AntA	-40.42	-20	Pass
		2437		-40.16	-20	Pass
		2462		-39.81	-20	Pass
	g	2412		-36.65	-20	Pass
		2437		-37.45	-20	Pass
		2462		-34.34	-20	Pass
	n20	2412		-33.72	-20	Pass
		2437		-34.45	-20	Pass
		2462		-34.57	-20	Pass
	n40	2422		-31.78	-20	Pass
		2437		-32.39	-20	Pass
		2452		-33.17	-20	Pass
	ax20	2412		-34.99	-20	Pass
		2437		-34.72	-20	Pass
		2462		-35.98	-20	Pass
	ax40	2422		-25.5	-20	Pass
		2437		-30.6	-20	Pass
		2452		-33.45	-20	Pass

Test Graphs

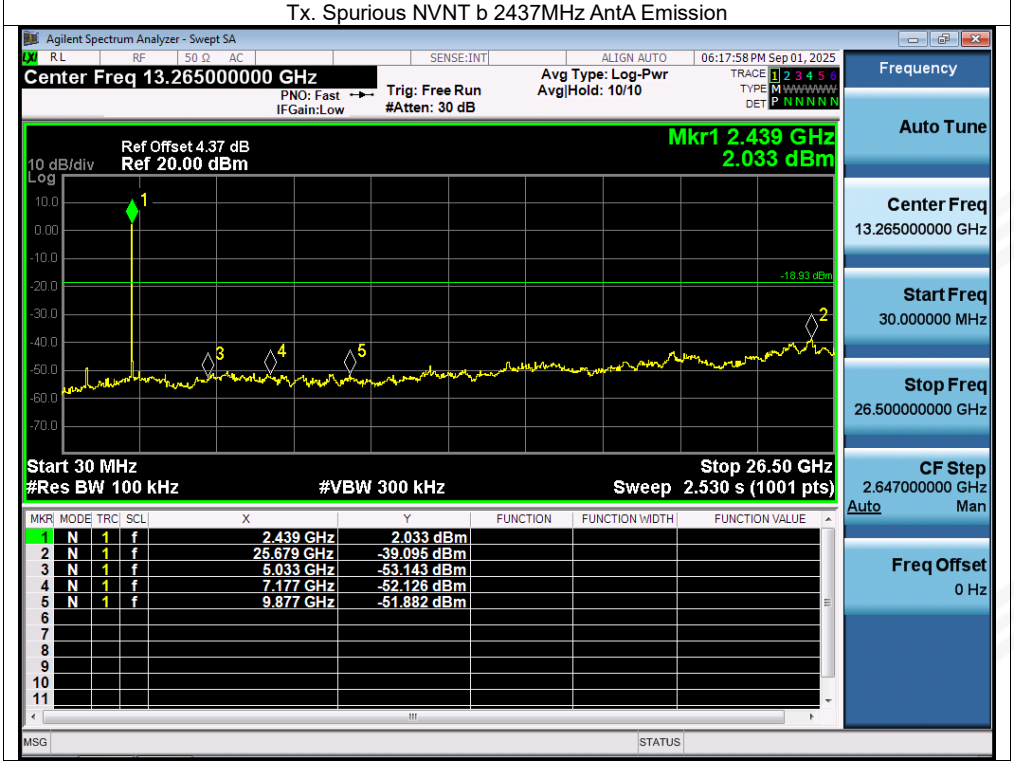
Tx. Spurious NVNT b 2412MHz AntA Ref

Tx. Spurious NVNT b 2412MHz AntA Emission

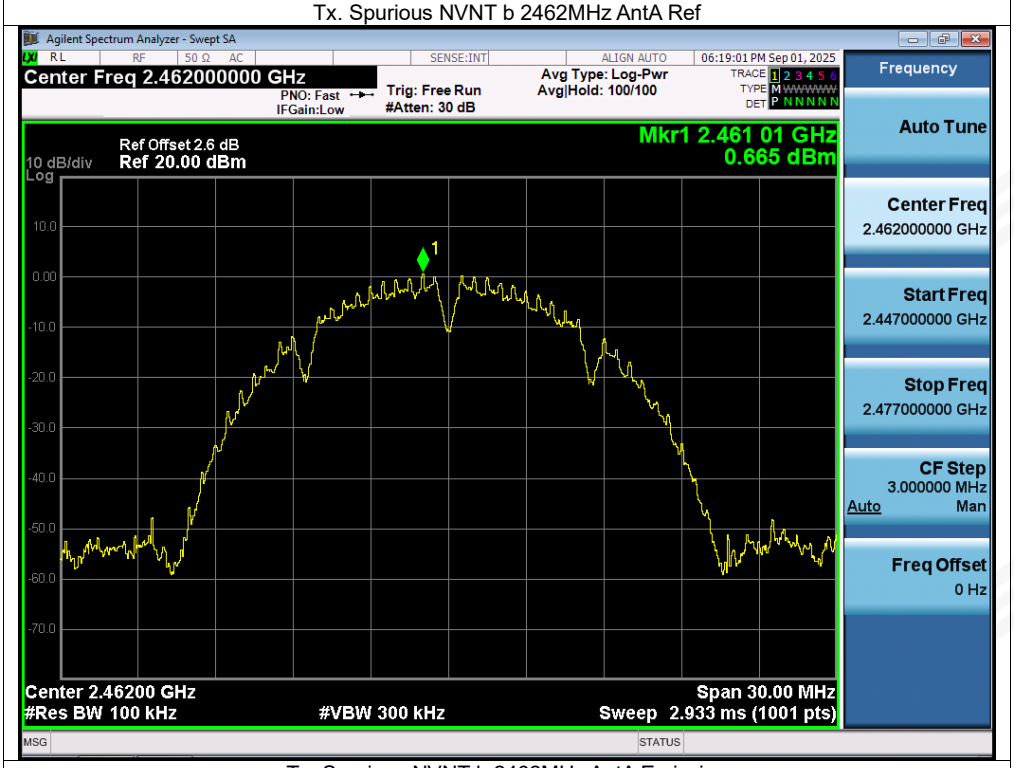


Tx. Spurious NVNT b 2437MHz AntA Ref

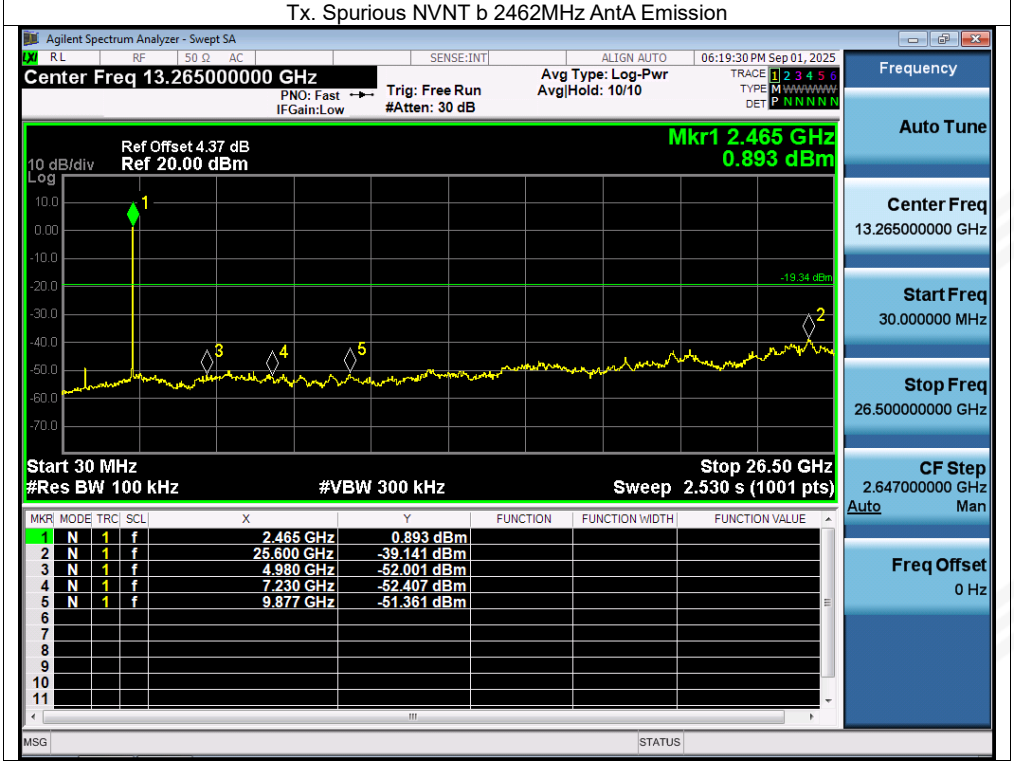
Tx. Spurious NVNT b 2437MHz AntA Emission



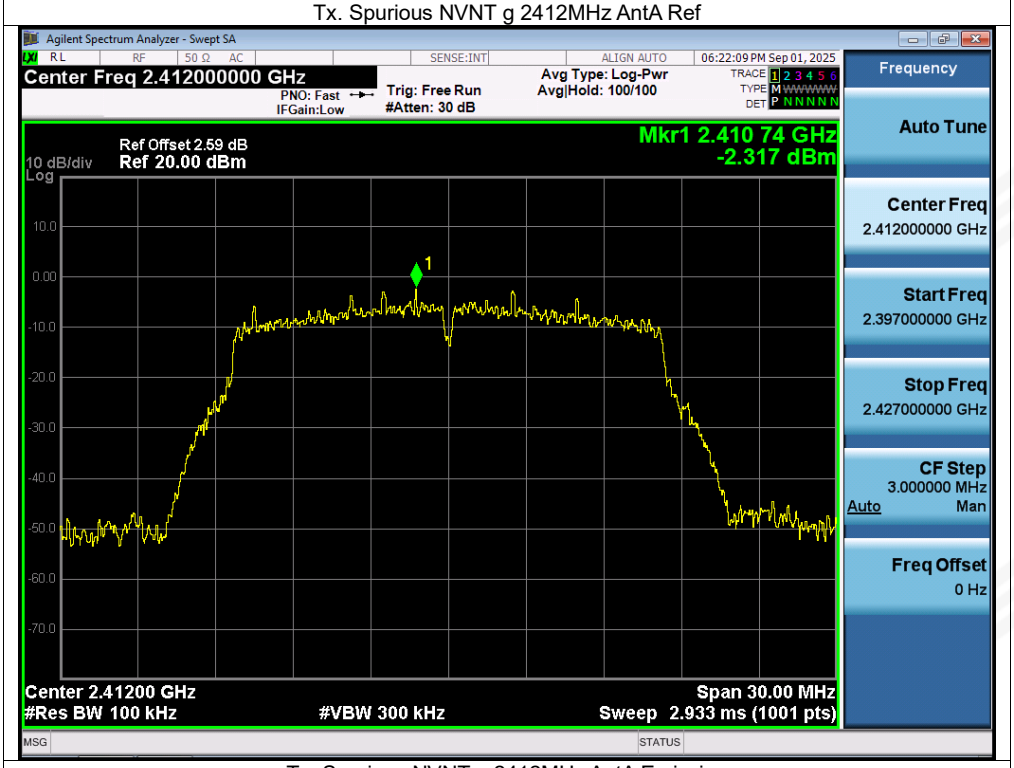
Tx. Spurious NVNT b 2462MHz AntA Ref



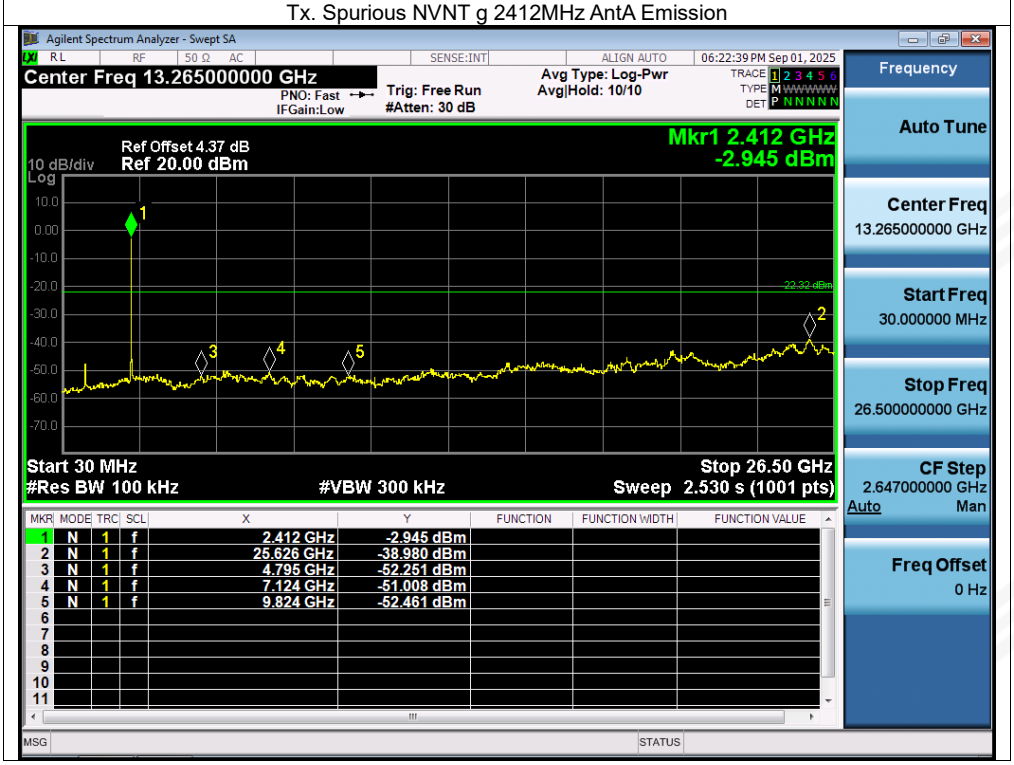
Tx. Spurious NVNT b 2462MHz AntA Emission



Tx. Spurious NVNT g 2412MHz AntA Ref

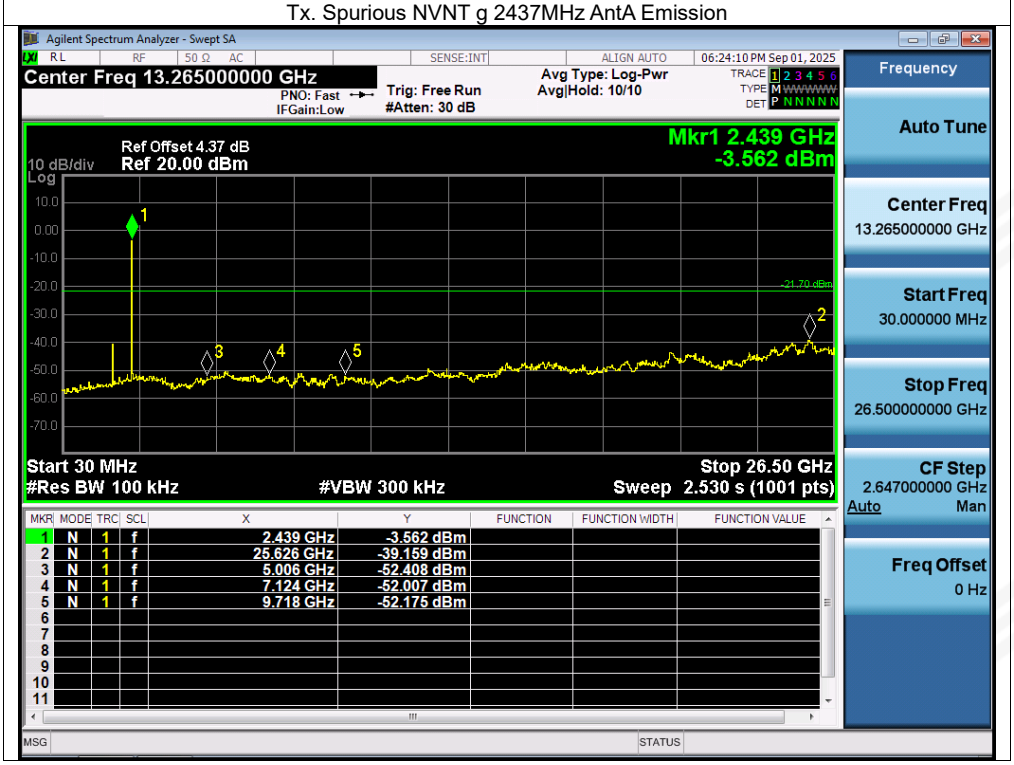


Tx. Spurious NVNT g 2412MHz AntA Emission



Tx. Spurious NVNT g 2437MHz AntA Ref

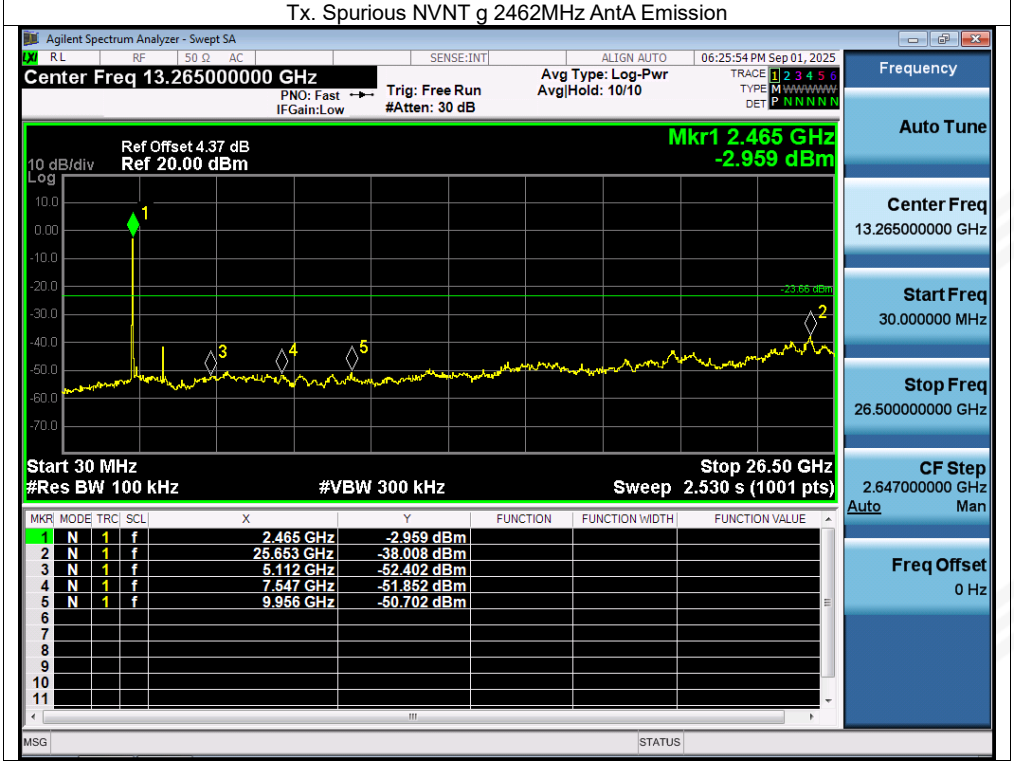
Tx. Spurious NVNT g 2437MHz AntA Emission



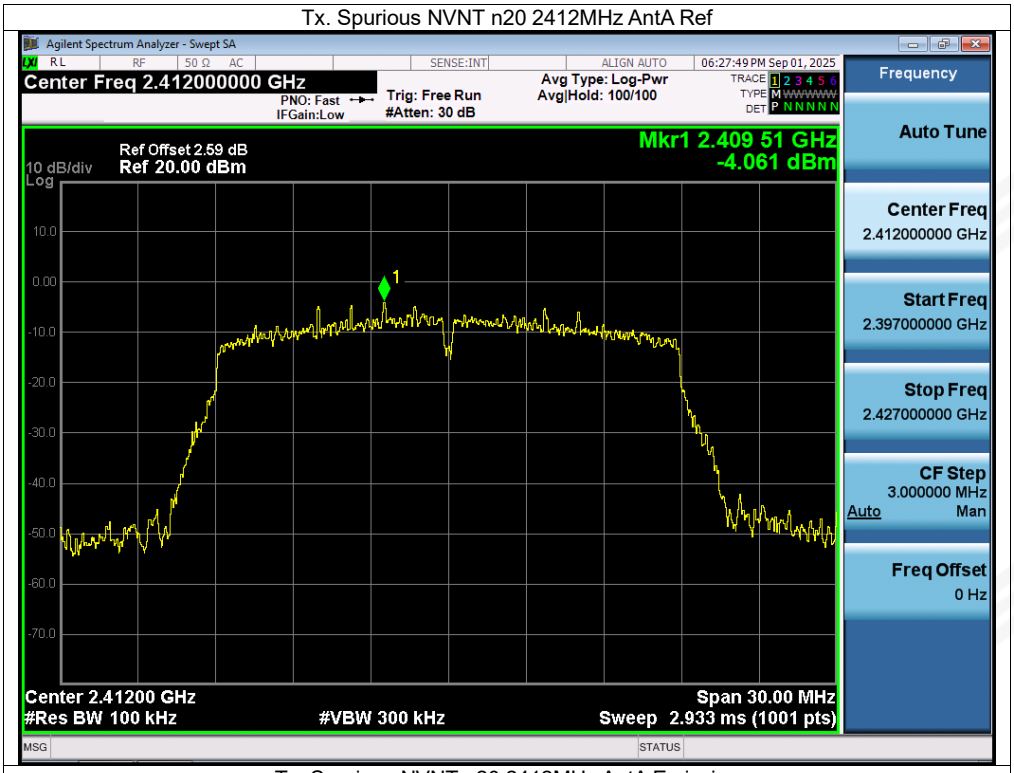
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	-3.562 dBm			
2	N	1	f	25.626 GHz	-39.159 dBm			
3	N	1	f	5.006 GHz	-52.408 dBm			
4	N	1	f	7.124 GHz	-52.007 dBm			
5	N	1	f	9.718 GHz	-52.175 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2462MHz AntA Ref

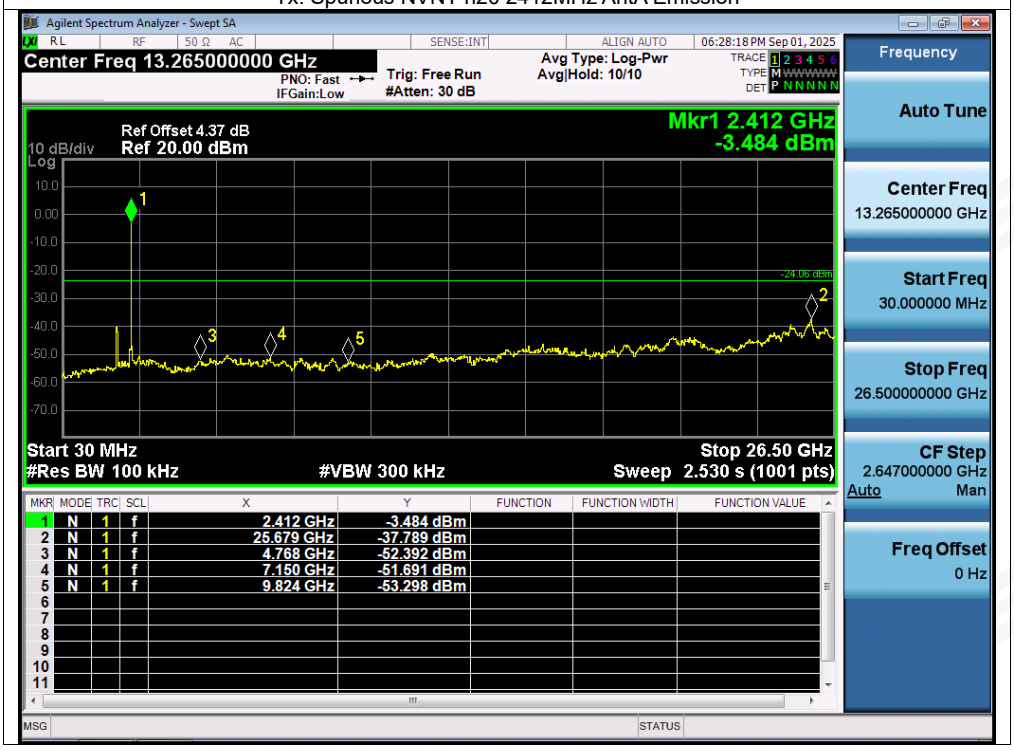
Tx. Spurious NVNT g 2462MHz AntA Emission



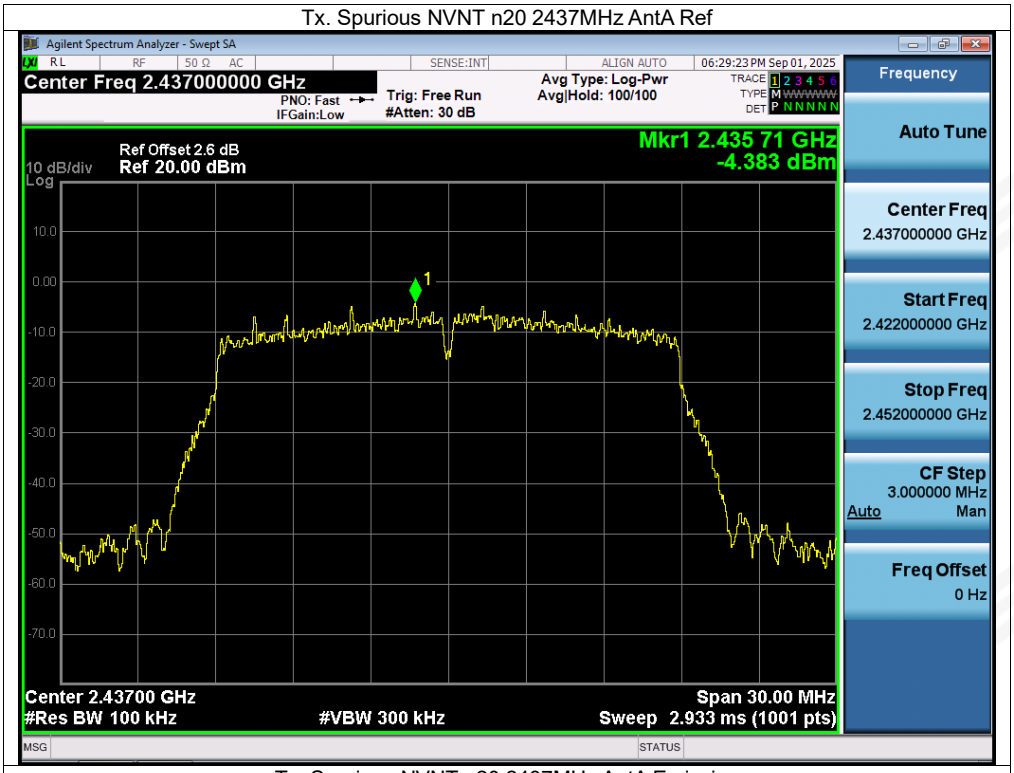
Tx. Spurious NVNT n20 2412MHz AntA Ref



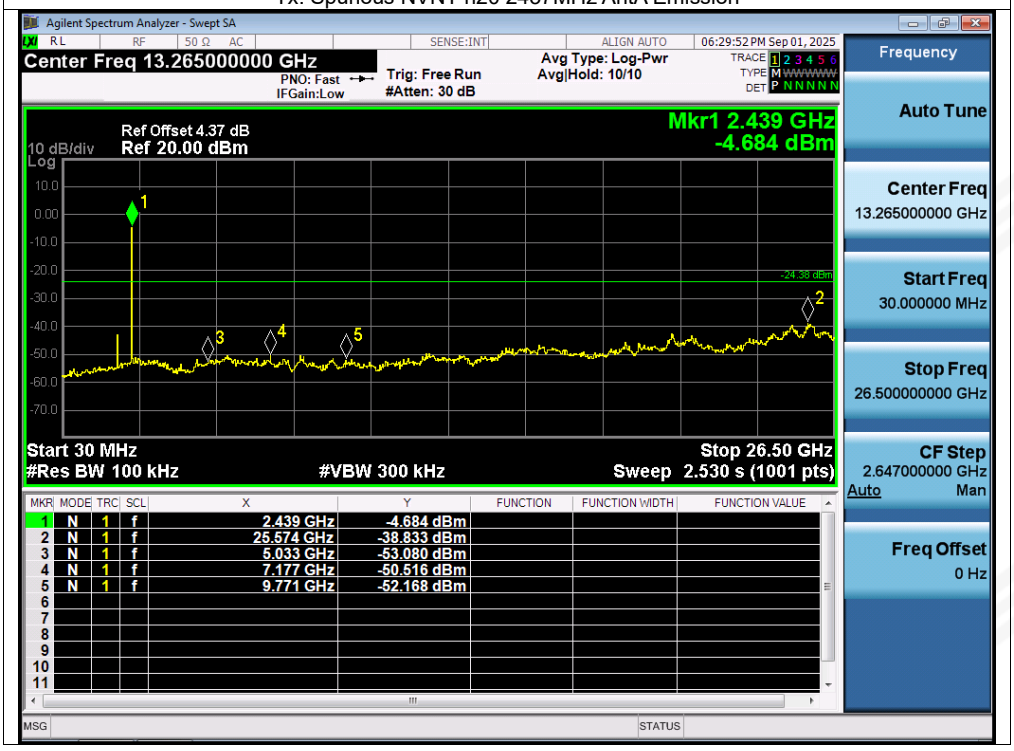
Tx. Spurious NVNT n20 2412MHz AntA Emission



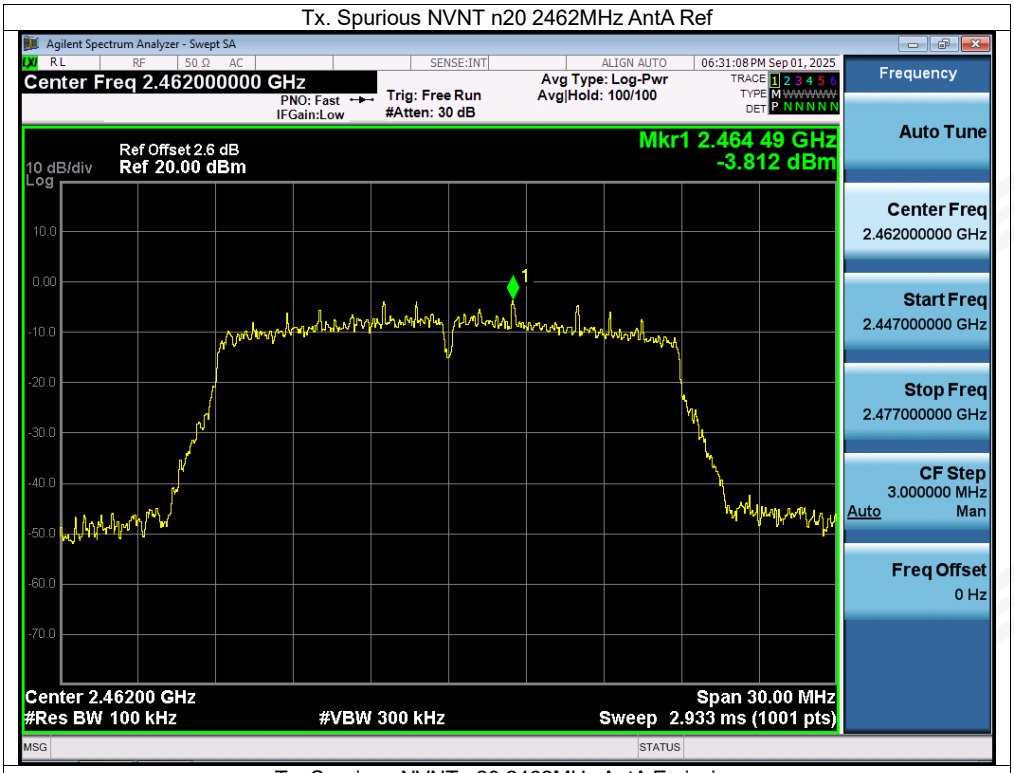
Tx. Spurious NVNT n20 2437MHz AntA Ref



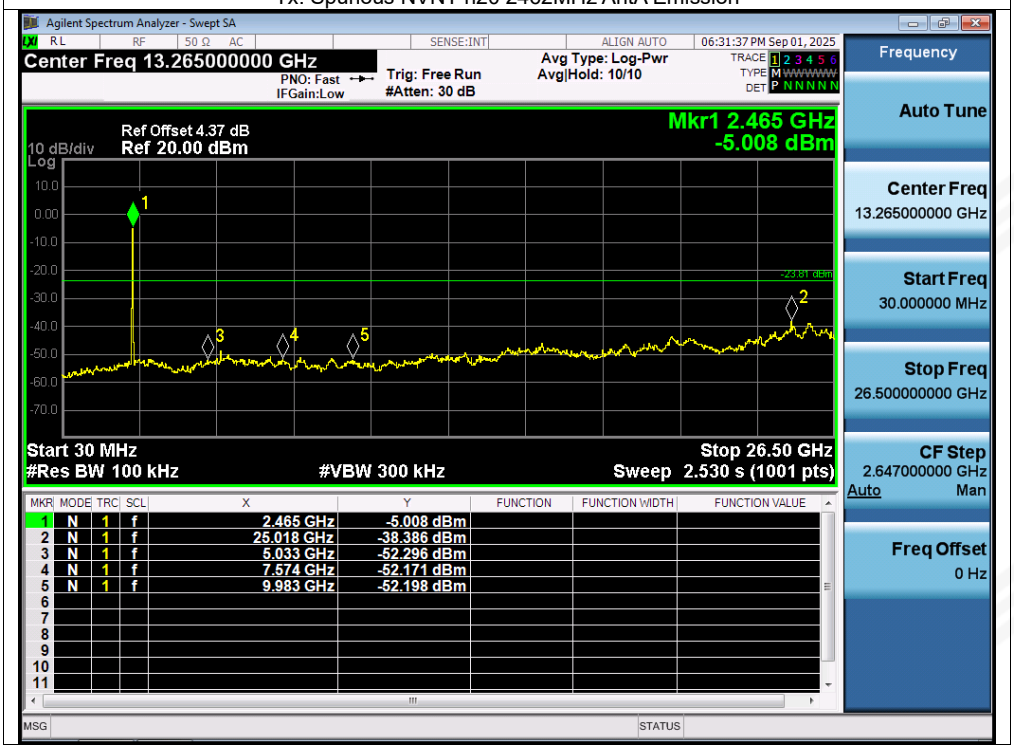
Tx. Spurious NVNT n20 2437MHz AntA Emission



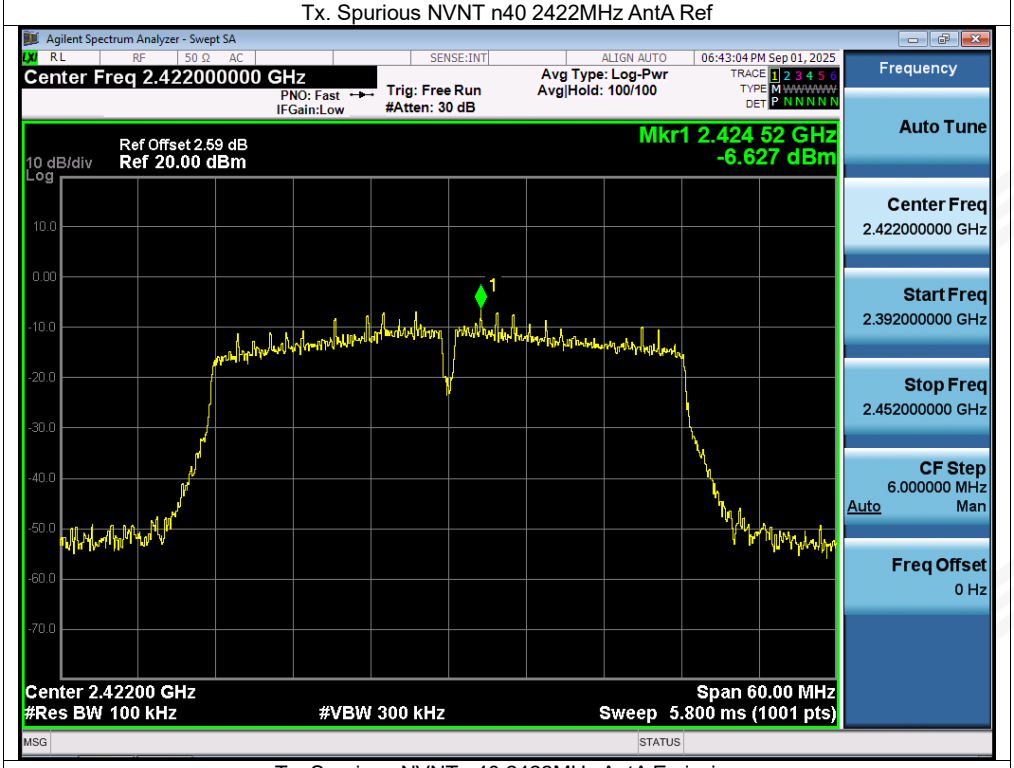
Tx. Spurious NVNT n20 2462MHz AntA Ref



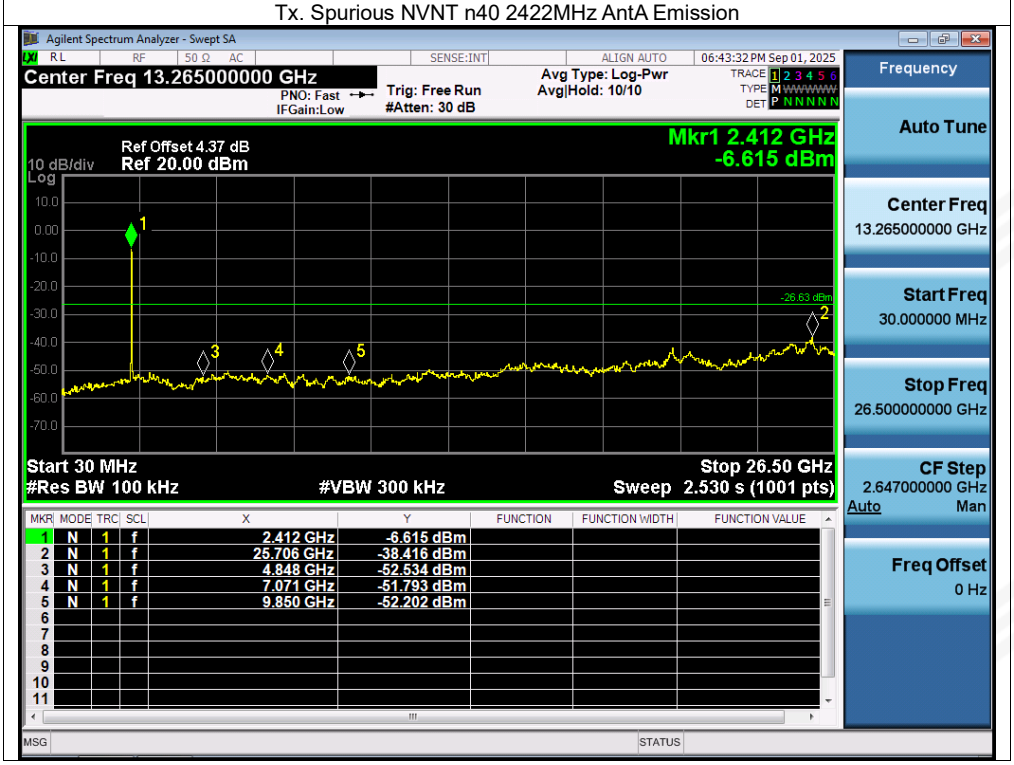
Tx. Spurious NVNT n20 2462MHz AntA Emission



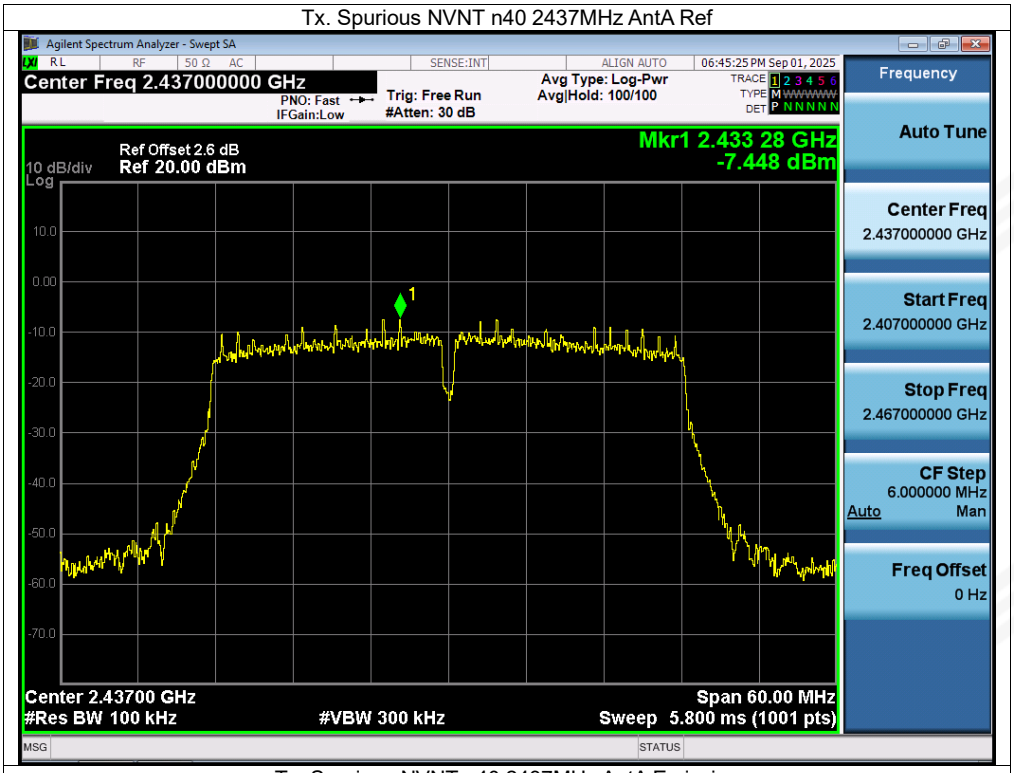
Tx. Spurious NVNT n40 2422MHz AntA Ref



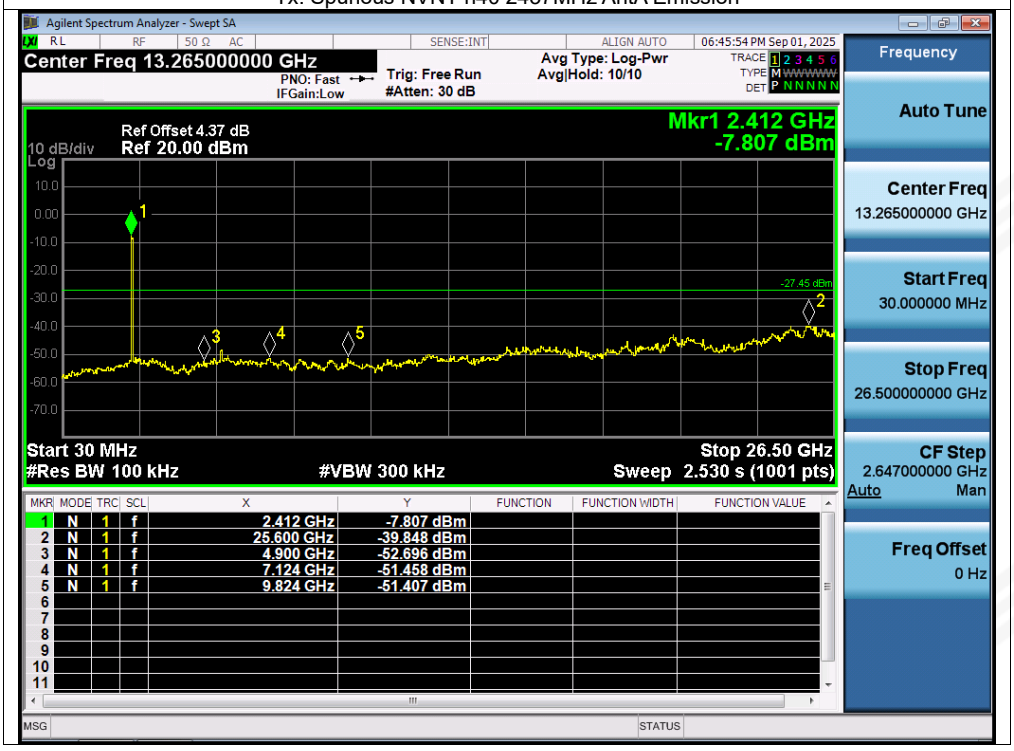
Tx. Spurious NVNT n40 2422MHz AntA Emission



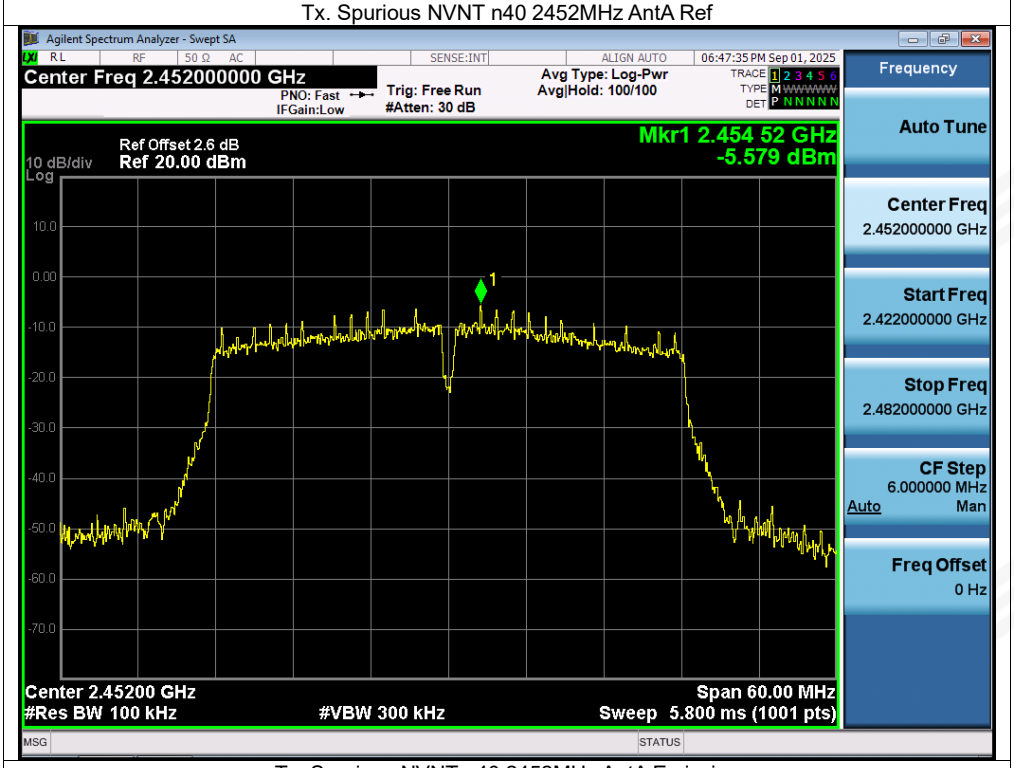
Tx. Spurious NVNT n40 2437MHz AntA Ref



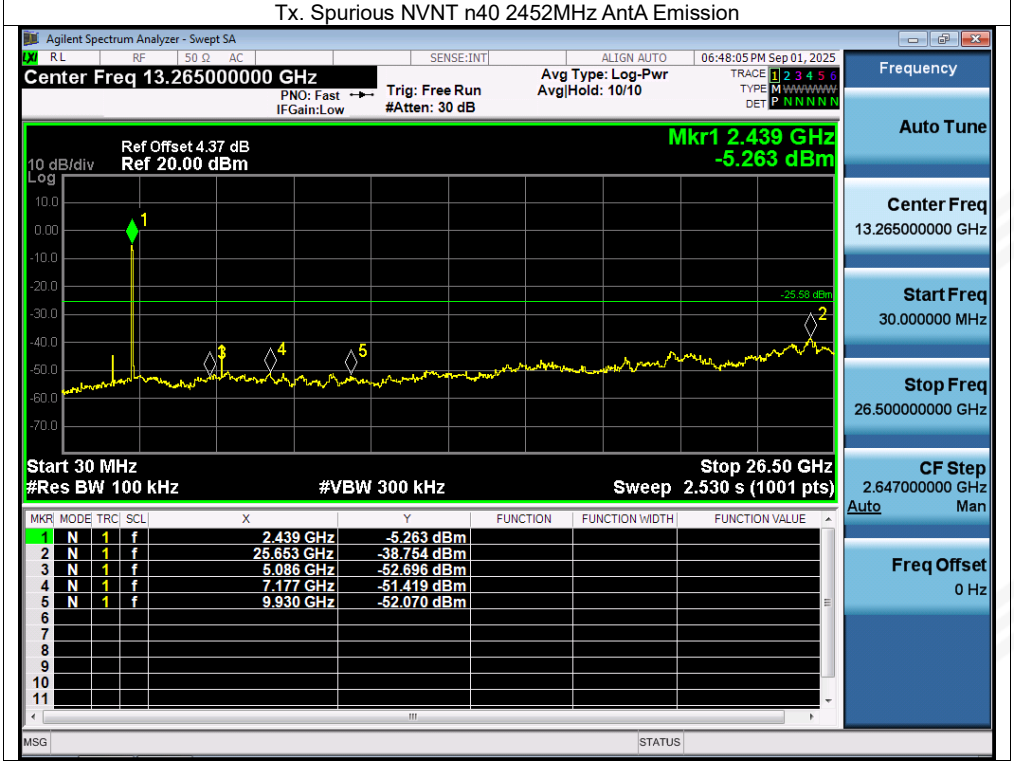
Tx. Spurious NVNT n40 2437MHz AntA Emission



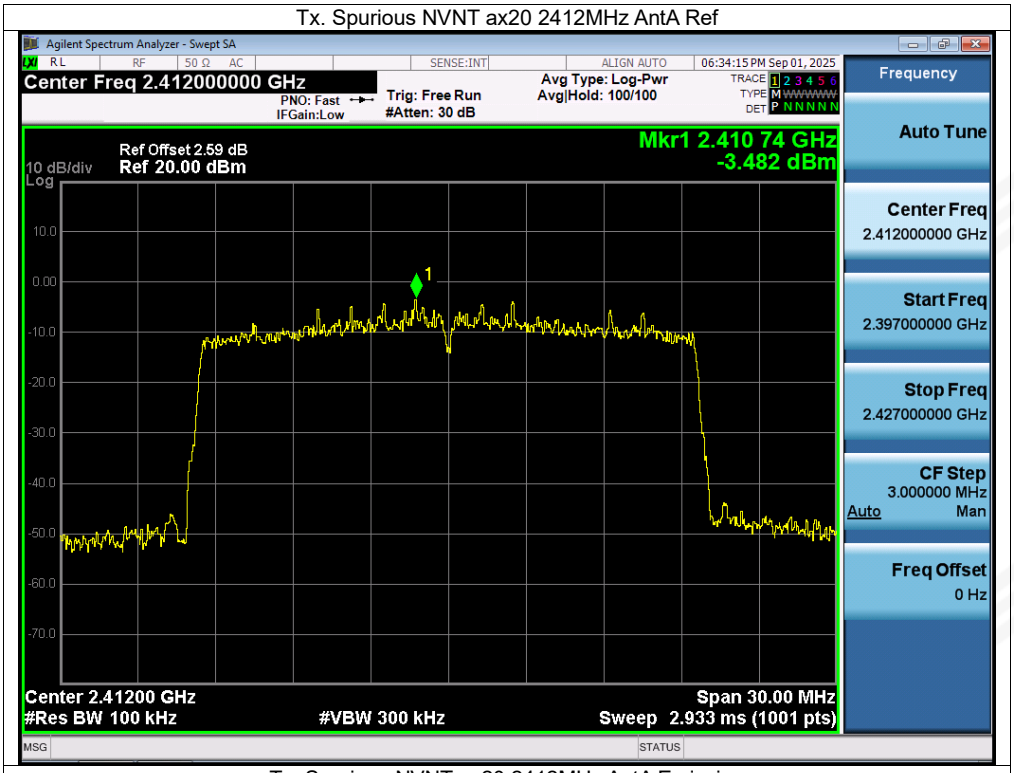
Tx. Spurious NVNT n40 2452MHz AntA Ref



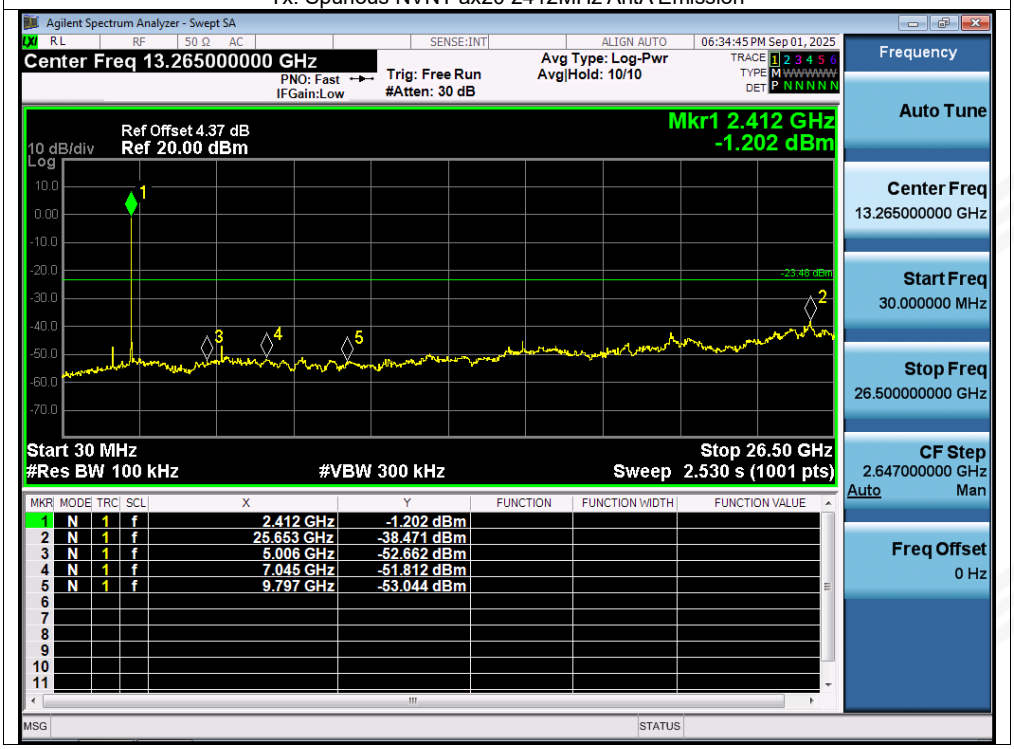
Tx. Spurious NVNT n40 2452MHz AntA Emission



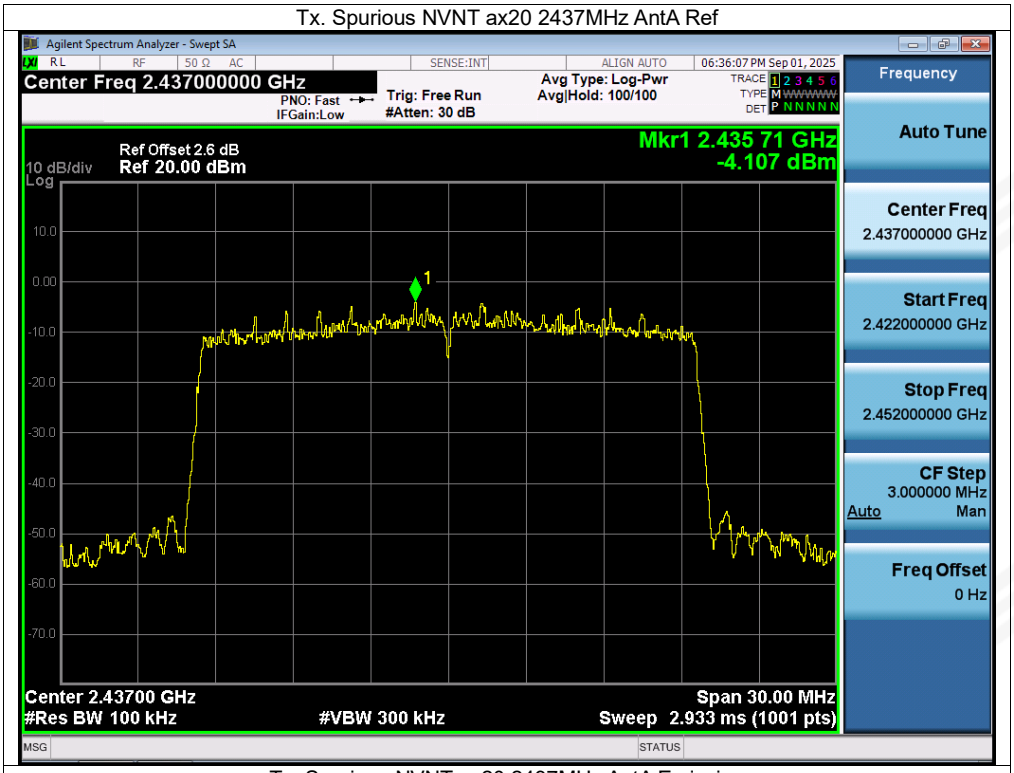
Tx. Spurious NVNT ax20 2412MHz AntA Ref



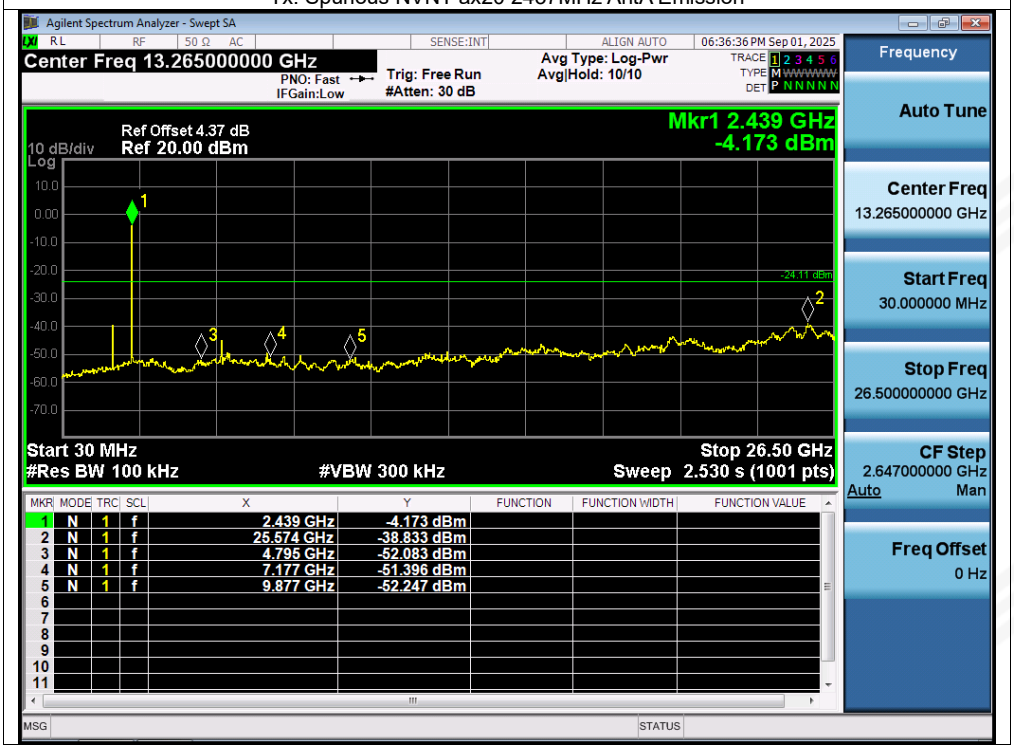
Tx. Spurious NVNT ax20 2412MHz AntA Emission



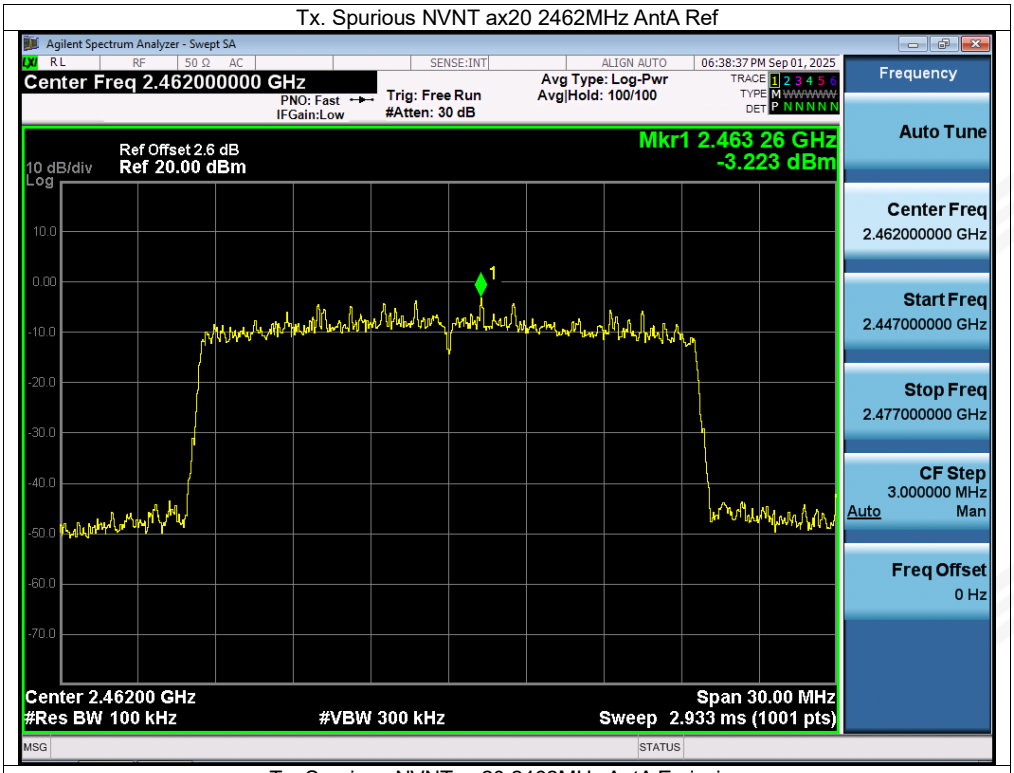
Tx. Spurious NVNT ax20 2437MHz AntA Ref



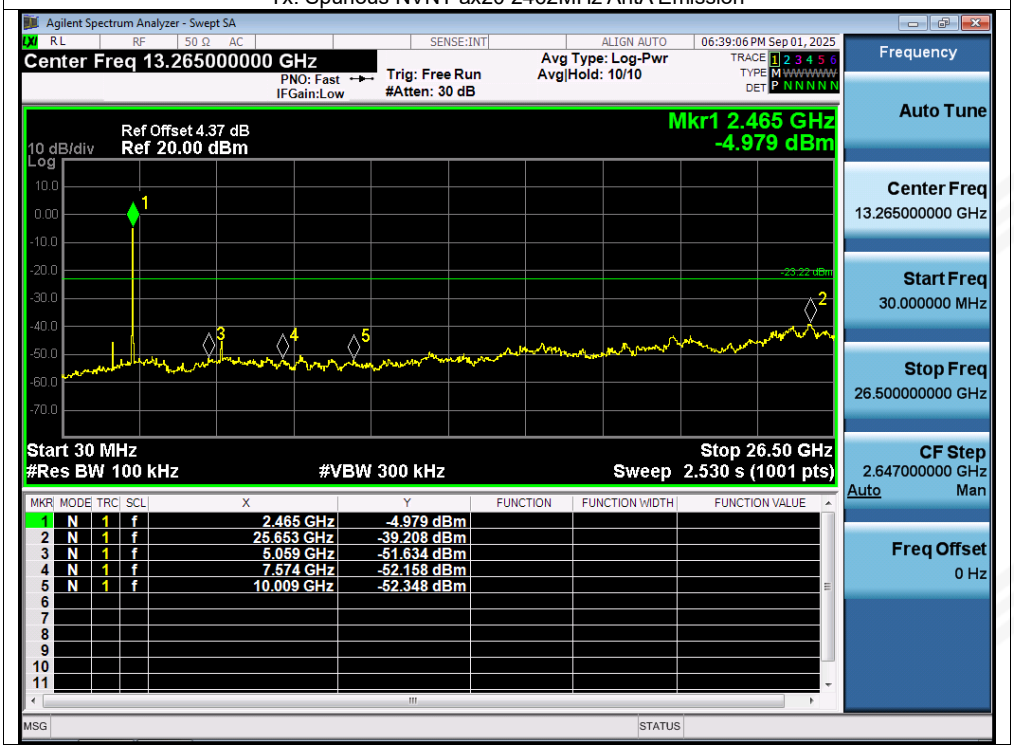
Tx. Spurious NVNT ax20 2437MHz AntA Emission



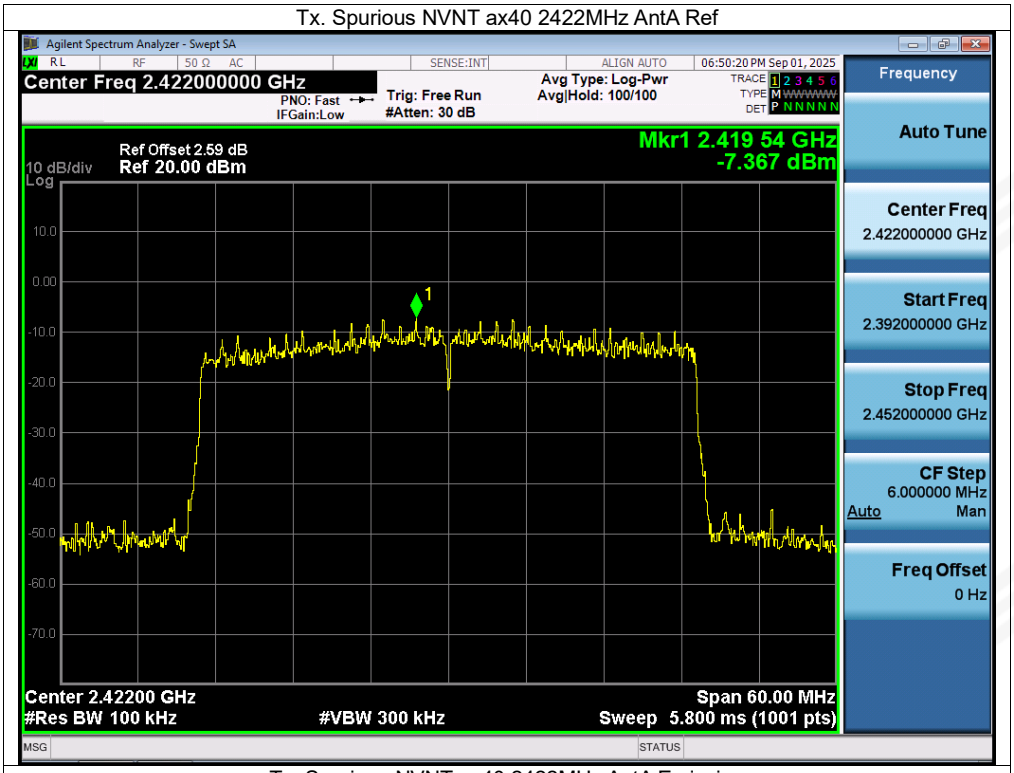
Tx. Spurious NVNT ax20 2462MHz AntA Ref



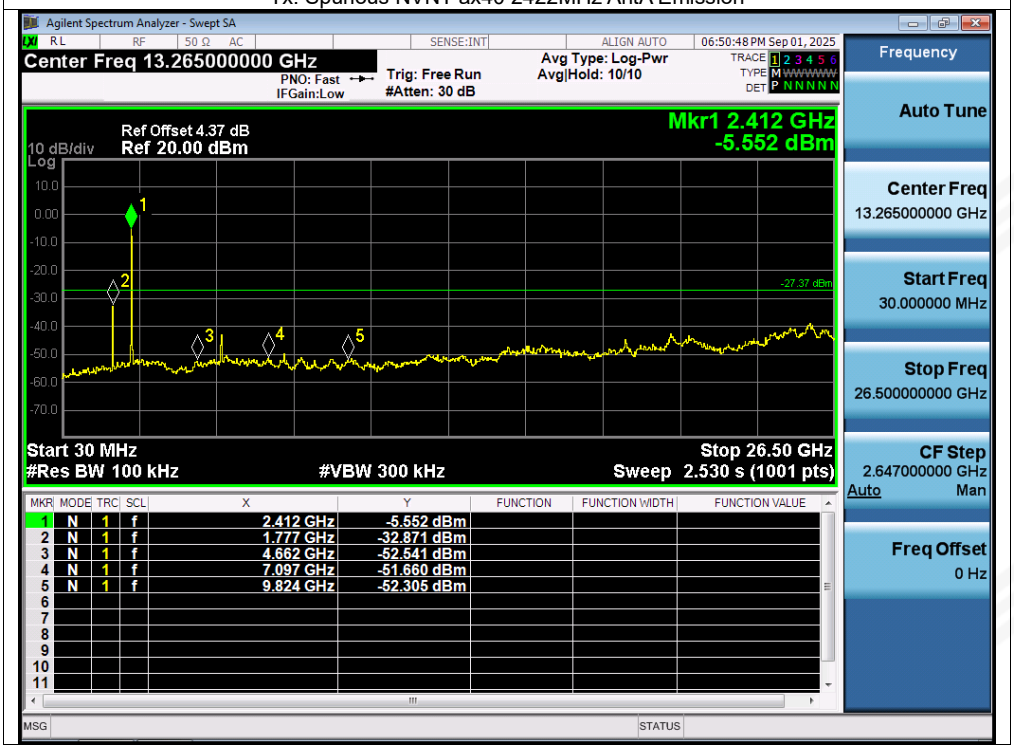
Tx. Spurious NVNT ax20 2462MHz AntA Emission



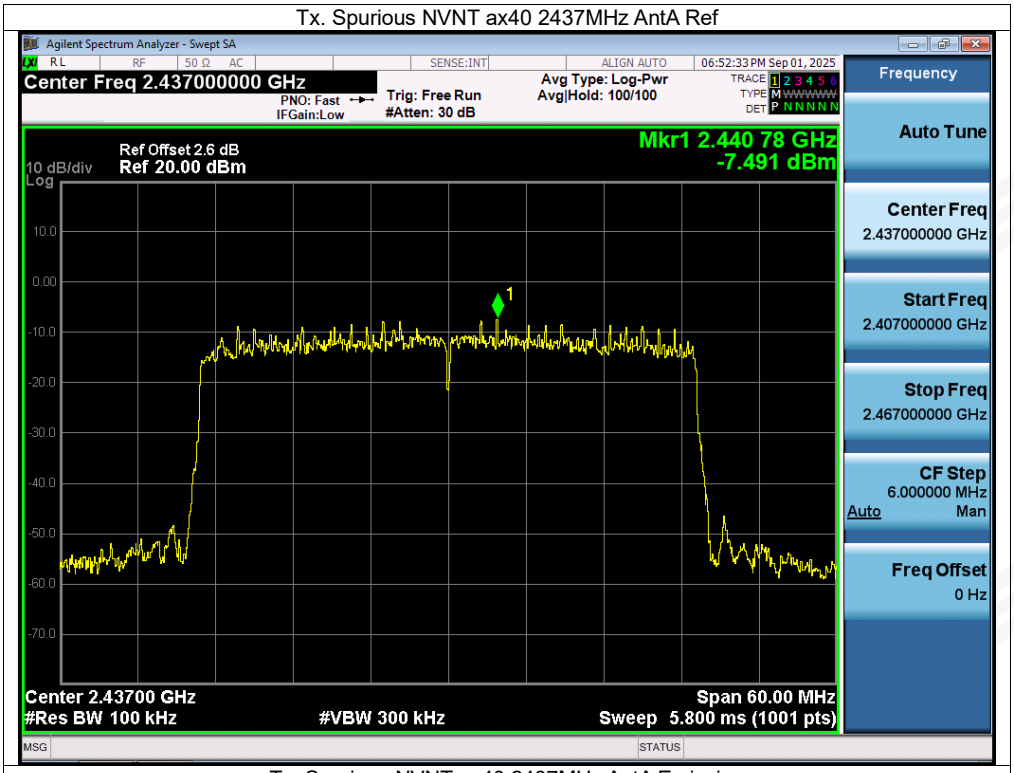
Tx. Spurious NVNT ax40 2422MHz AntA Ref



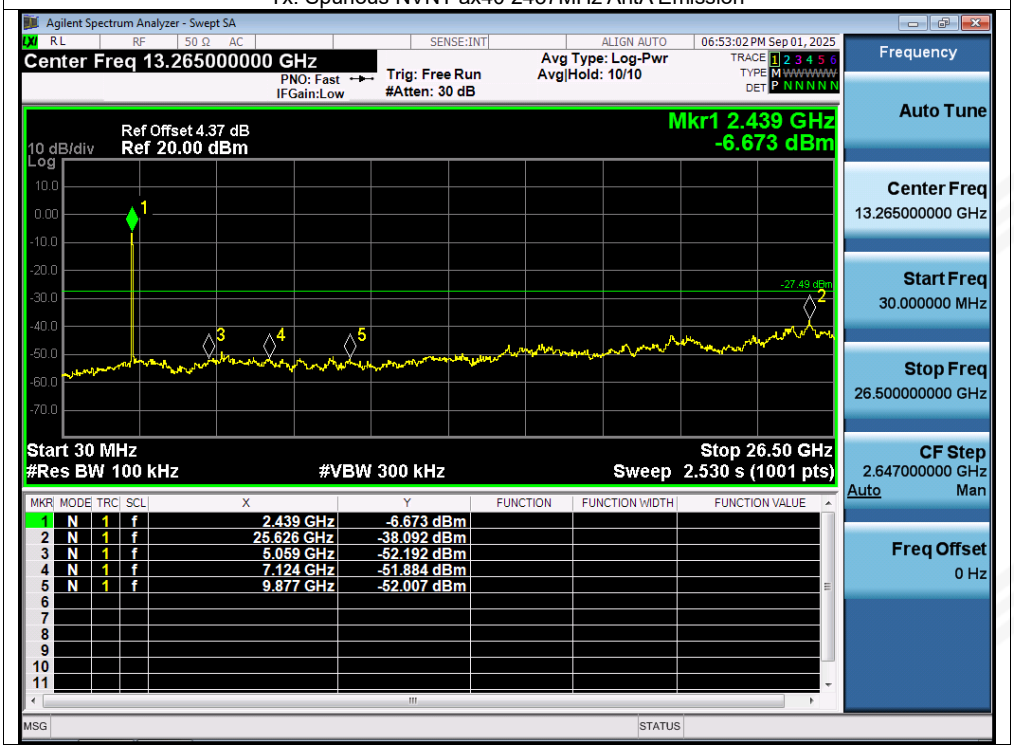
Tx. Spurious NVNT ax40 2422MHz AntA Emission



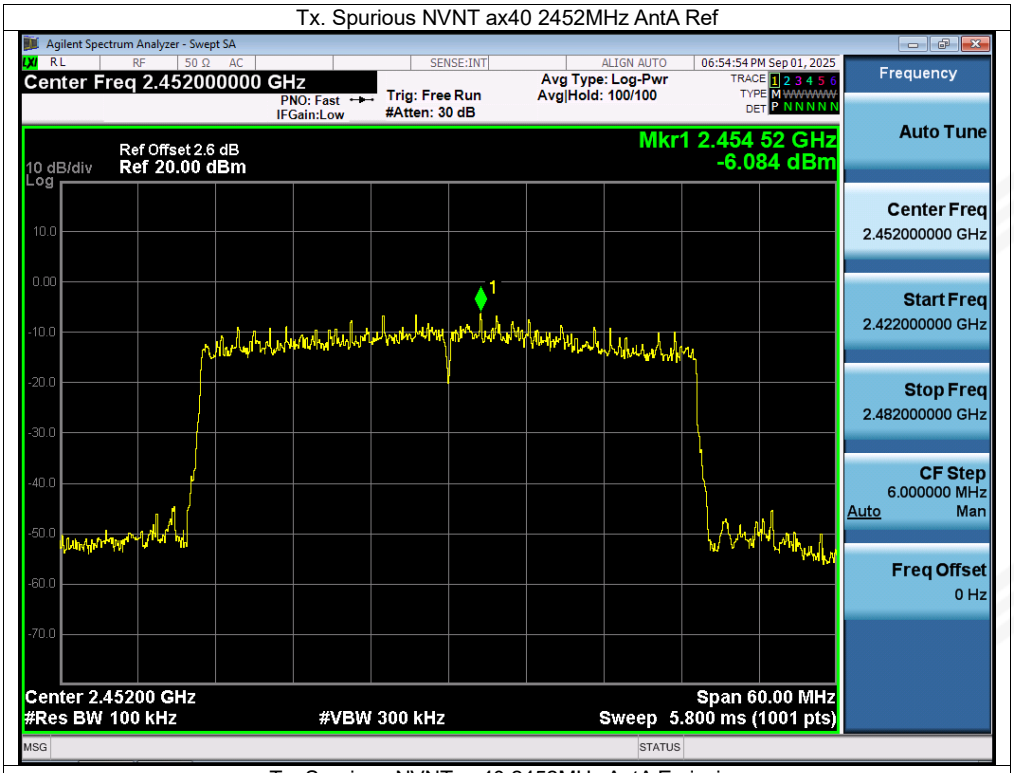
Tx. Spurious NVNT ax40 2437MHz AntA Ref



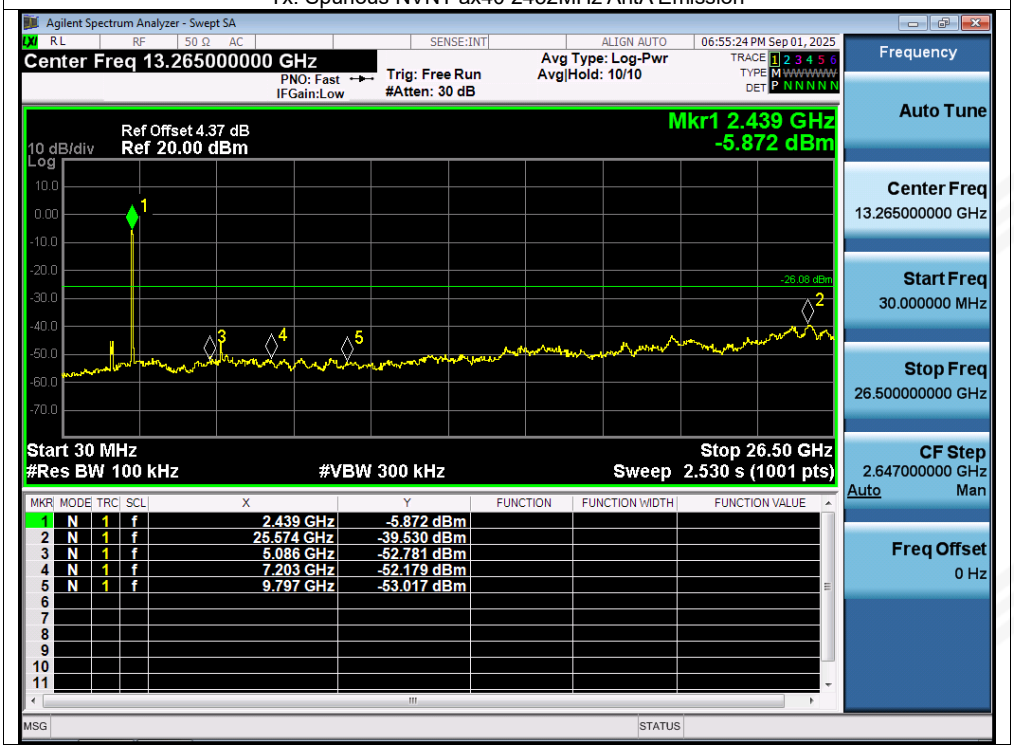
Tx. Spurious NVNT ax40 2437MHz AntA Emission



Tx. Spurious NVNT ax40 2452MHz AntA Ref



Tx. Spurious NVNT ax40 2452MHz AntA Emission



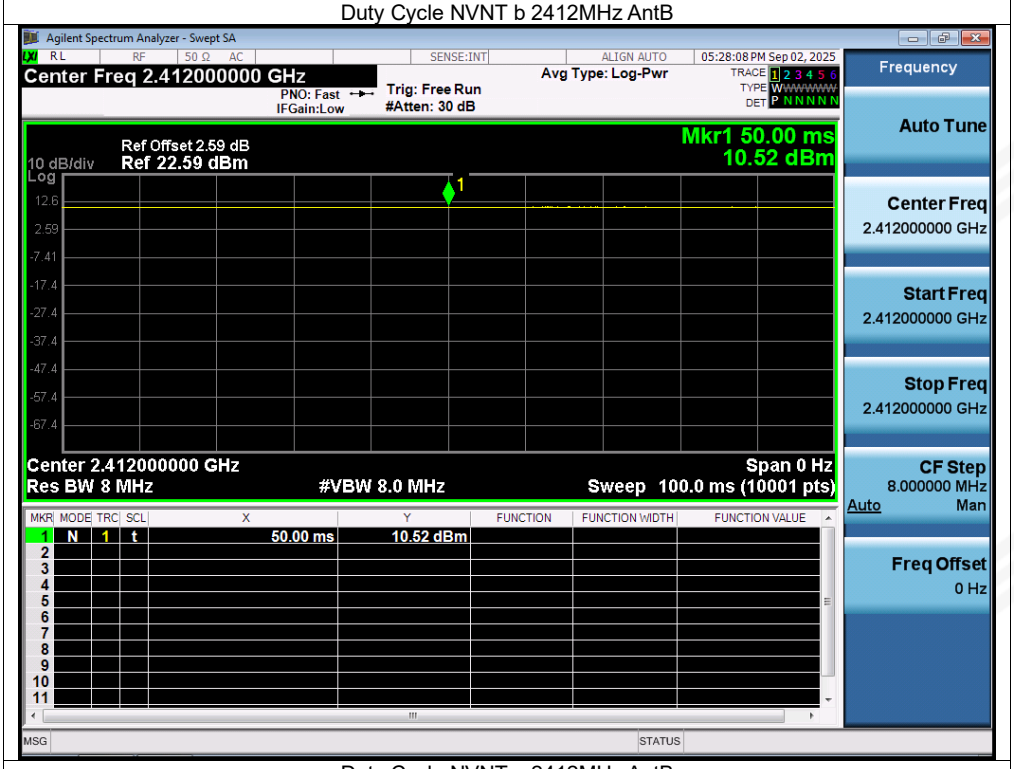
Antenna B

Duty Cycle

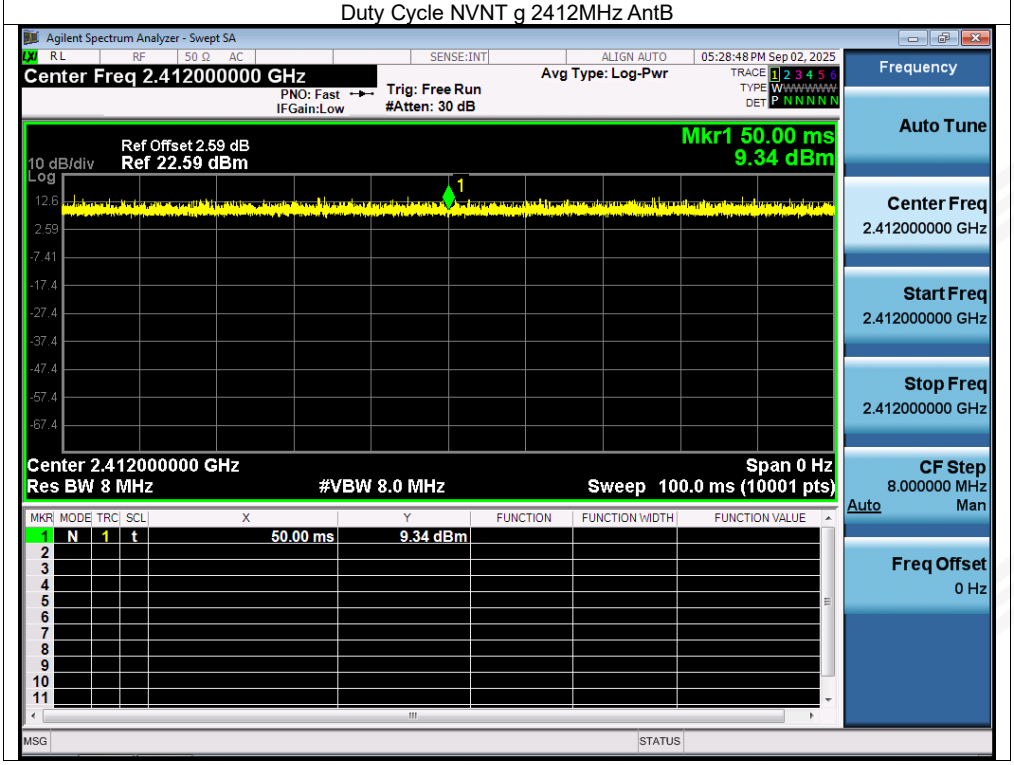
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	AntB	100	0
NVNT	g	2412	AntB	100	0
NVNT	n20	2412	AntB	100	0
NVNT	n40	2422	AntB	100	0
NVNT	ax20	2412	AntB	100	0
NVNT	ax40	2422	AntB	100	0

Test Graphs

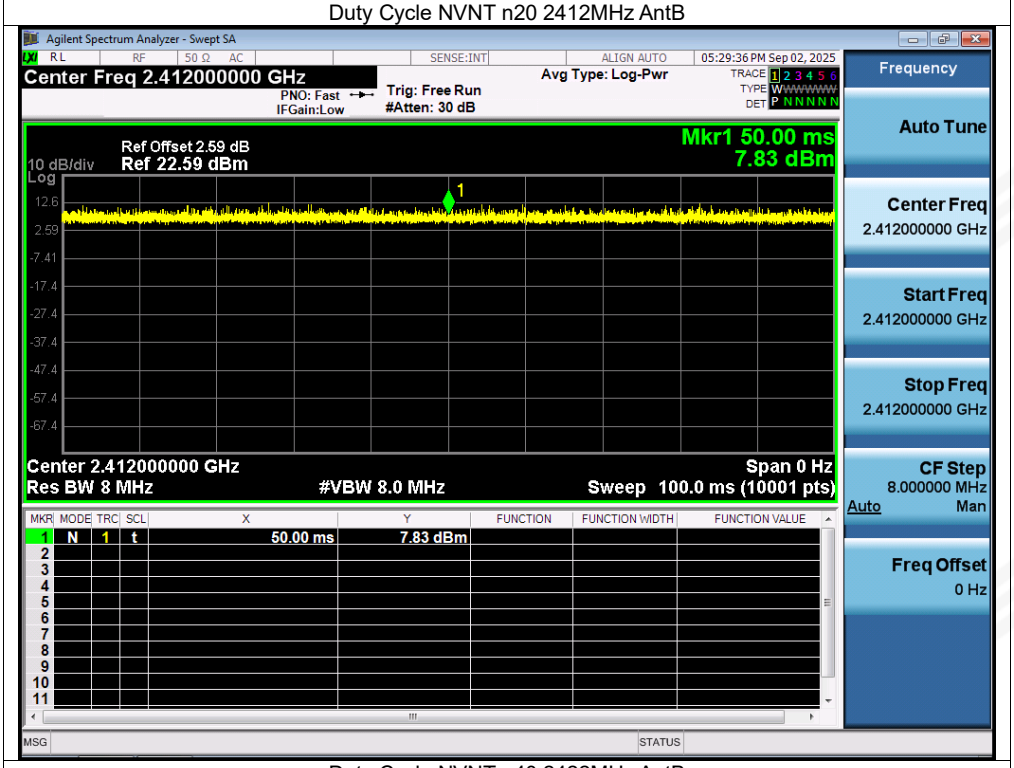
Duty Cycle NVNT b 2412MHz AntB



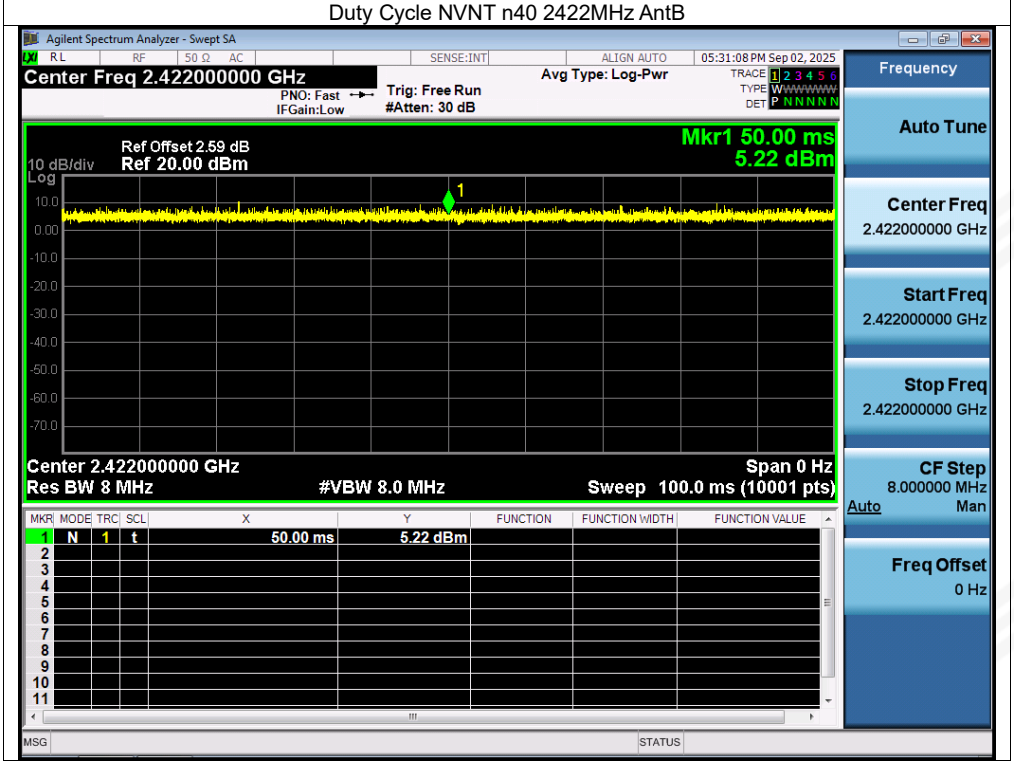
Duty Cycle NVNT g 2412MHz AntB



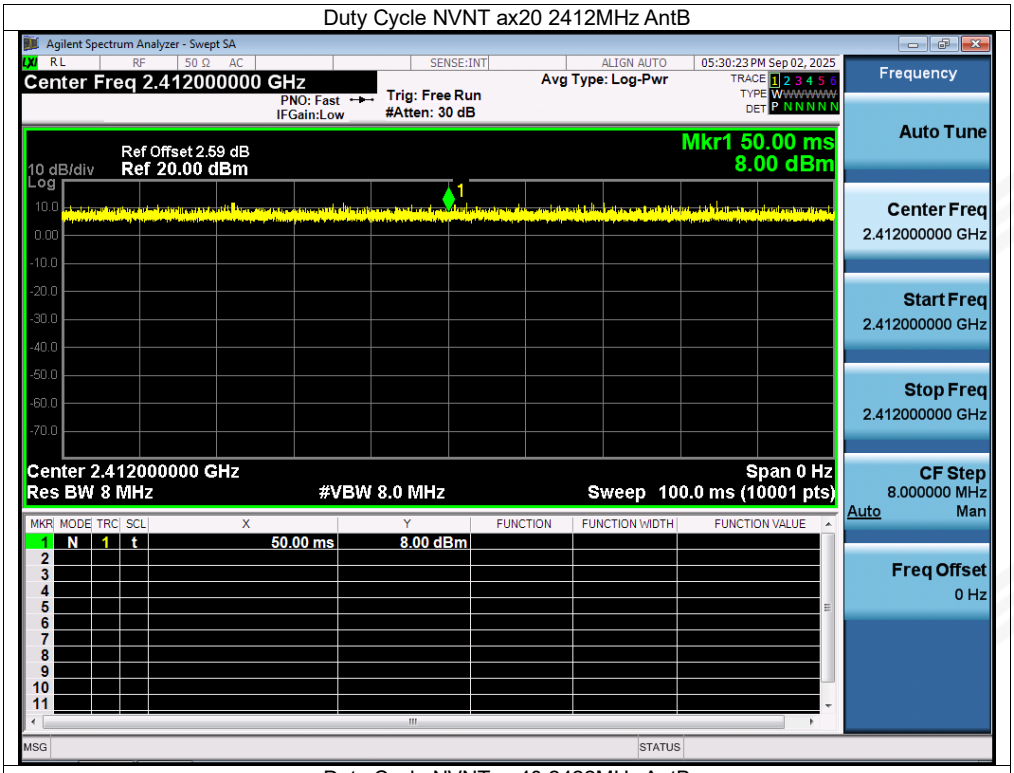
Duty Cycle NVNT n20 2412MHz AntB



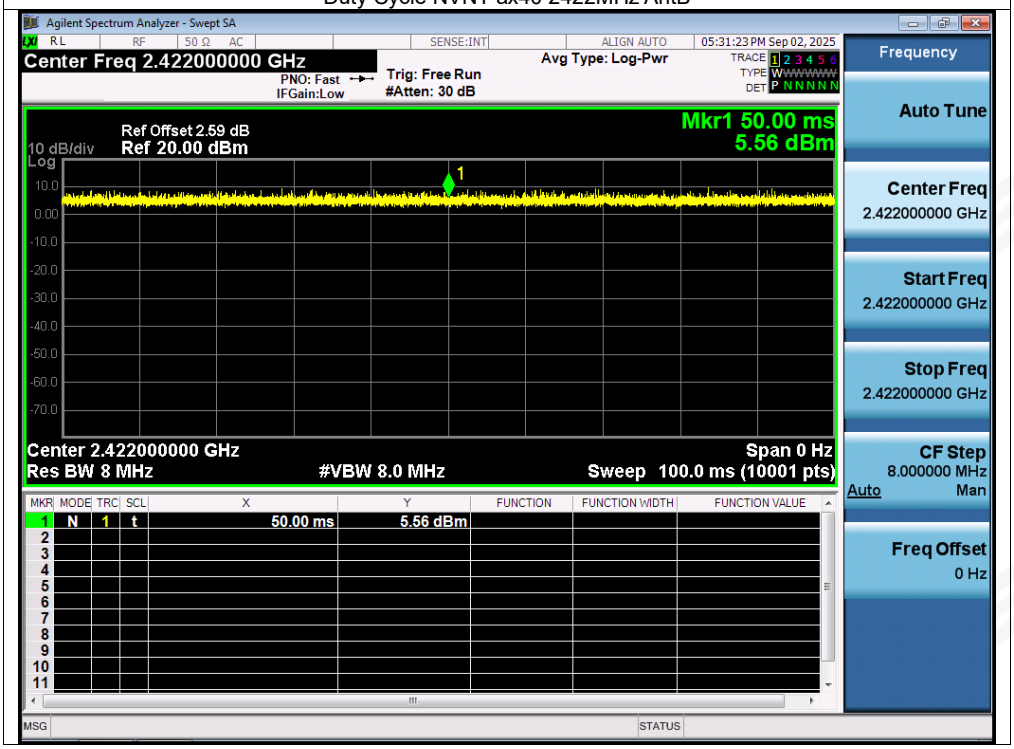
Duty Cycle NVNT n40 2422MHz AntB



Duty Cycle NVNT ax20 2412MHz AntB



Duty Cycle NVNT ax40 2422MHz AntB



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	AntB	10.66	30	Pass
NVNT	b	2437	AntB	11.43	30	Pass
NVNT	b	2462	AntB	11.3	30	Pass
NVNT	g	2412	AntB	9.5	30	Pass
NVNT	g	2437	AntB	9.78	30	Pass
NVNT	g	2462	AntB	9.47	30	Pass
NVNT	n20	2412	AntB	8.09	30	Pass
NVNT	n20	2437	AntB	8.78	30	Pass
NVNT	n20	2462	AntB	8.54	30	Pass
NVNT	n40	2422	AntB	7.69	30	Pass
NVNT	n40	2437	AntB	7.94	30	Pass
NVNT	n40	2452	AntB	7.77	30	Pass
NVNT	ax20	2412	AntB	8.26	30	Pass
NVNT	ax20	2437	AntB	8.89	30	Pass
NVNT	ax20	2462	AntB	8.51	30	Pass
NVNT	ax40	2422	AntB	7.7	30	Pass
NVNT	ax40	2437	AntB	8.15	30	Pass
NVNT	ax40	2452	AntB	7.77	30	Pass

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)
			Ant A	Ant B	Total	
NVNT	b	2412	11.81	10.66	/	30
NVNT	b	2437	11.58	11.43	/	30
NVNT	b	2462	11.36	11.3	/	30
NVNT	g	2412	10.42	9.5	/	30
NVNT	g	2437	10.45	9.78	/	30
NVNT	g	2462	10.64	9.47	/	30
NVNT	n20	2412	9.2	8.09	11.69	30
NVNT	n20	2437	9.38	8.78	12.10	30
NVNT	n20	2462	9.45	8.54	12.03	30
NVNT	n40	2422	8.19	7.69	10.96	30
NVNT	n40	2437	8.26	7.94	11.11	30
NVNT	n40	2452	9.09	7.77	11.49	30
NVNT	ax20	2412	9.38	8.26	11.87	30
NVNT	ax20	2437	9.46	8.89	12.19	30
NVNT	ax20	2462	9.39	8.51	11.98	30
NVNT	ax40	2422	8.2	7.7	10.97	30
NVNT	ax40	2437	8.58	8.15	11.38	30
NVNT	ax40	2452	8.95	7.77	11.41	30

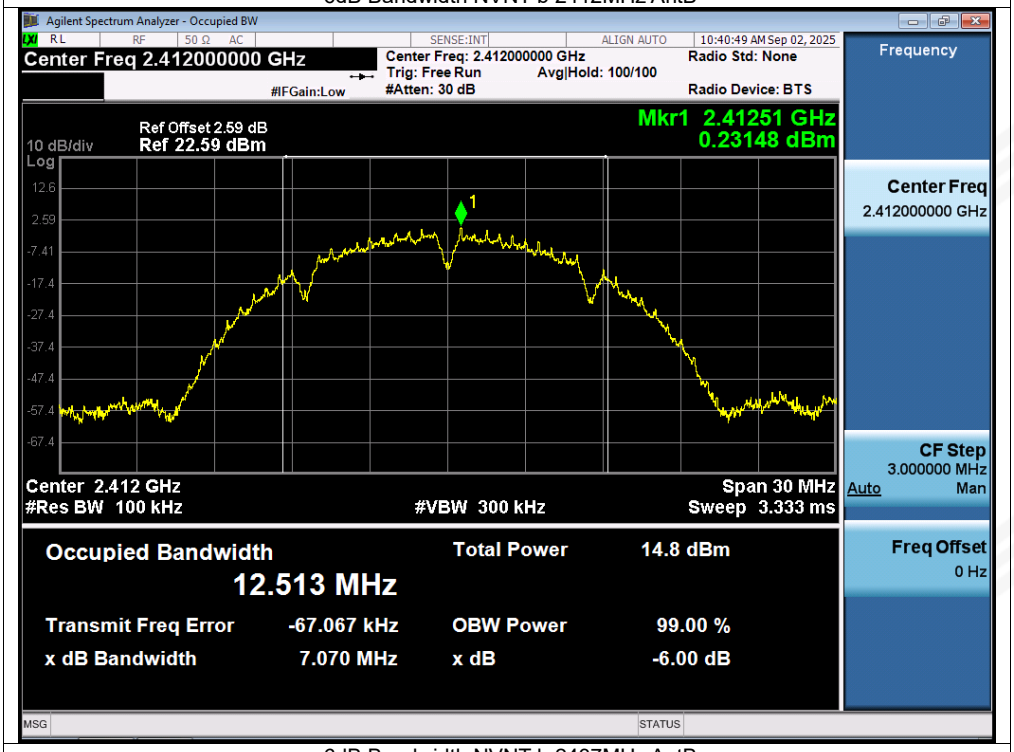
For power measurements,
The Array gain=0 for NANT≤4,
So the directional gain for Power measurements is 0.14 dBi

-6dB Bandwidth

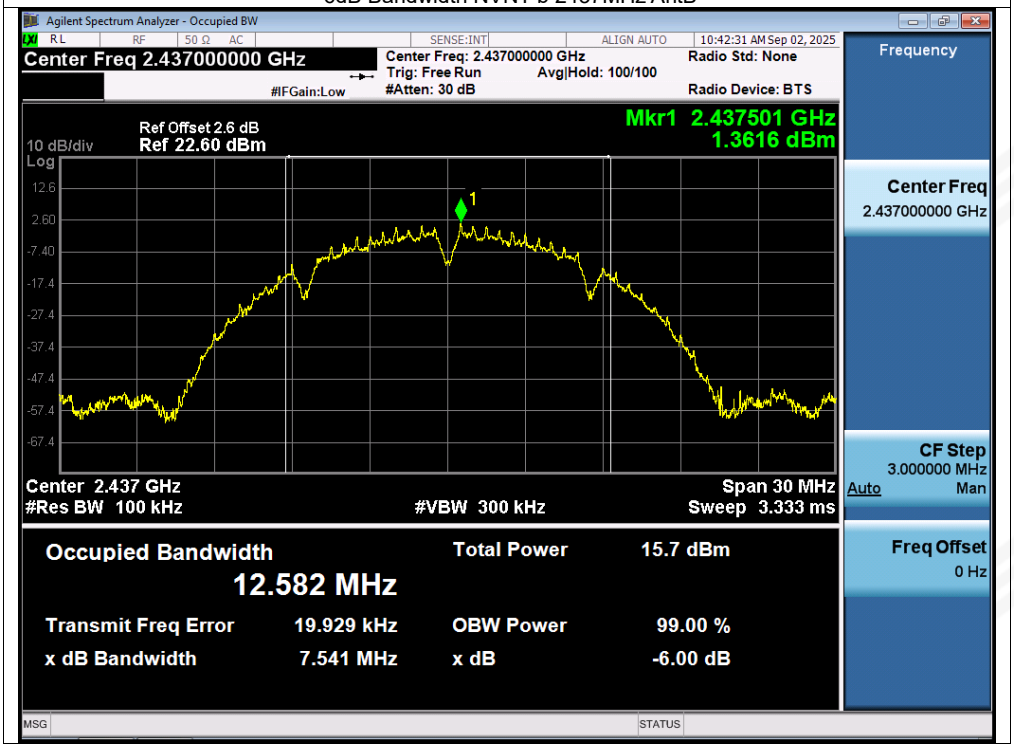
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	AntB	7.07	0.5	Pass
		2437		7.541	0.5	Pass
		2462		7.562	0.5	Pass
	g	2412		14.722	0.5	Pass
		2437		14.429	0.5	Pass
		2462		13.894	0.5	Pass
	n20	2412		11.249	0.5	Pass
		2437		13.505	0.5	Pass
		2462		15.104	0.5	Pass
	n40	2422		32.564	0.5	Pass
		2437		31.29	0.5	Pass
		2452		33.8	0.5	Pass
	ax20	2412		18.331	0.5	Pass
		2437		18.09	0.5	Pass
		2462		16.93	0.5	Pass
	ax40	2422		36.766	0.5	Pass
		2437		35.014	0.5	Pass
		2452		37.611	0.5	Pass

Test Graphs

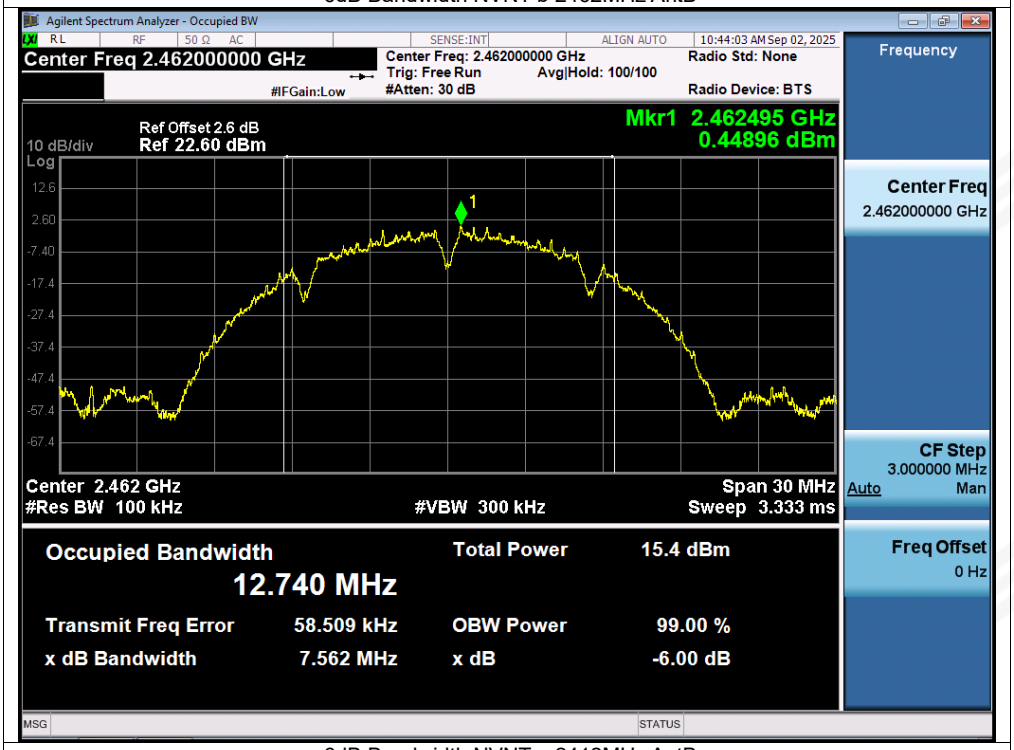
-6dB Bandwidth NVNT b 2412MHz AntB



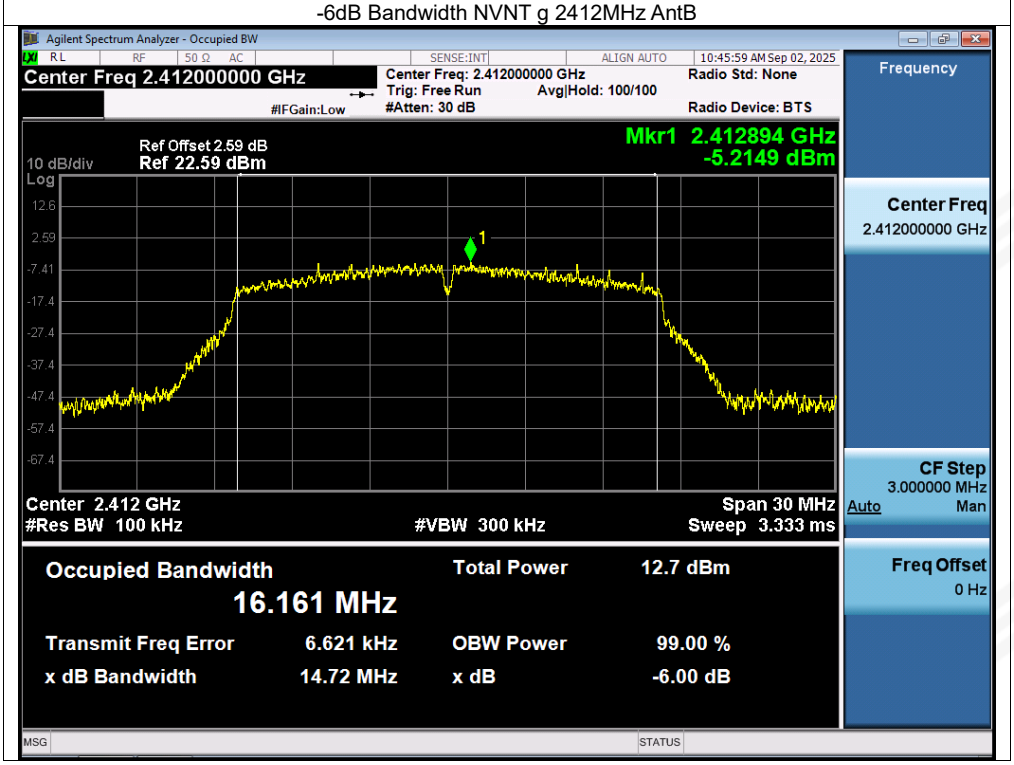
-6dB Bandwidth NVNT b 2437MHz AntB



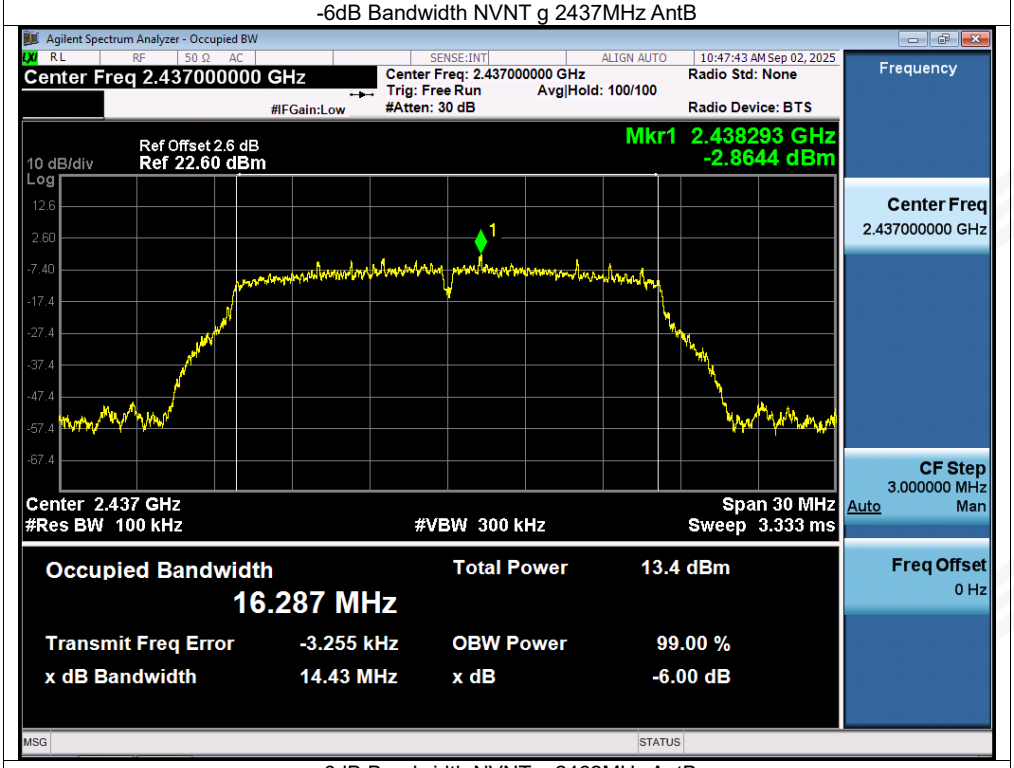
-6dB Bandwidth NVNT b 2462MHz AntB



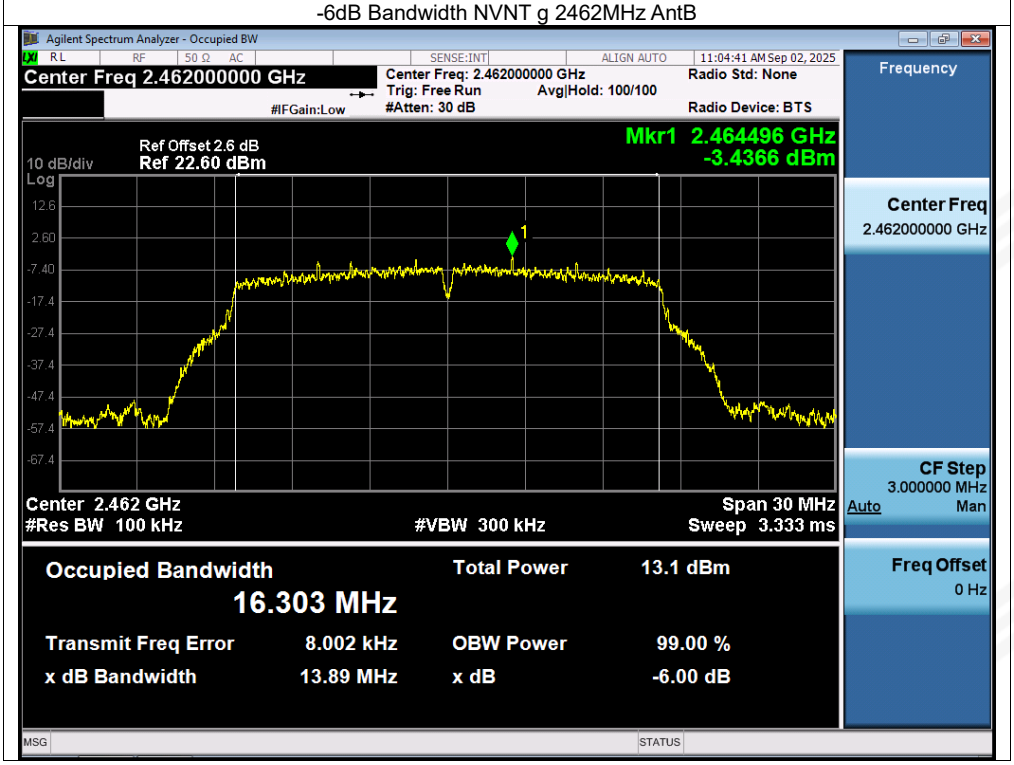
-6dB Bandwidth NVNT g 2412MHz AntB



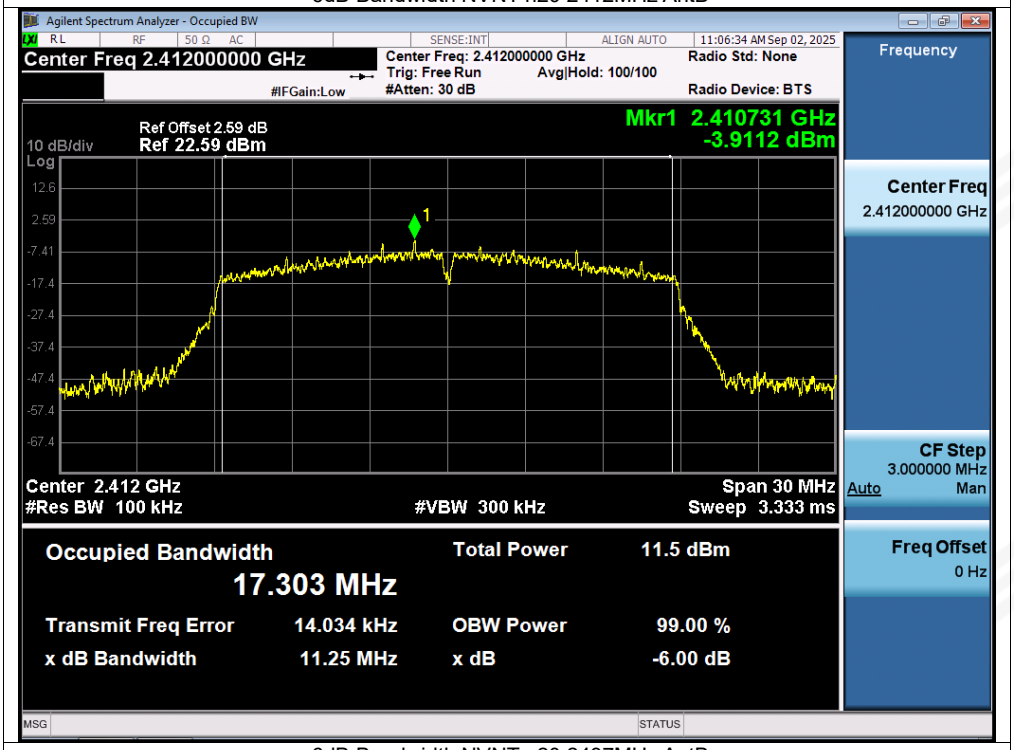
-6dB Bandwidth NVNT g 2437MHz AntB



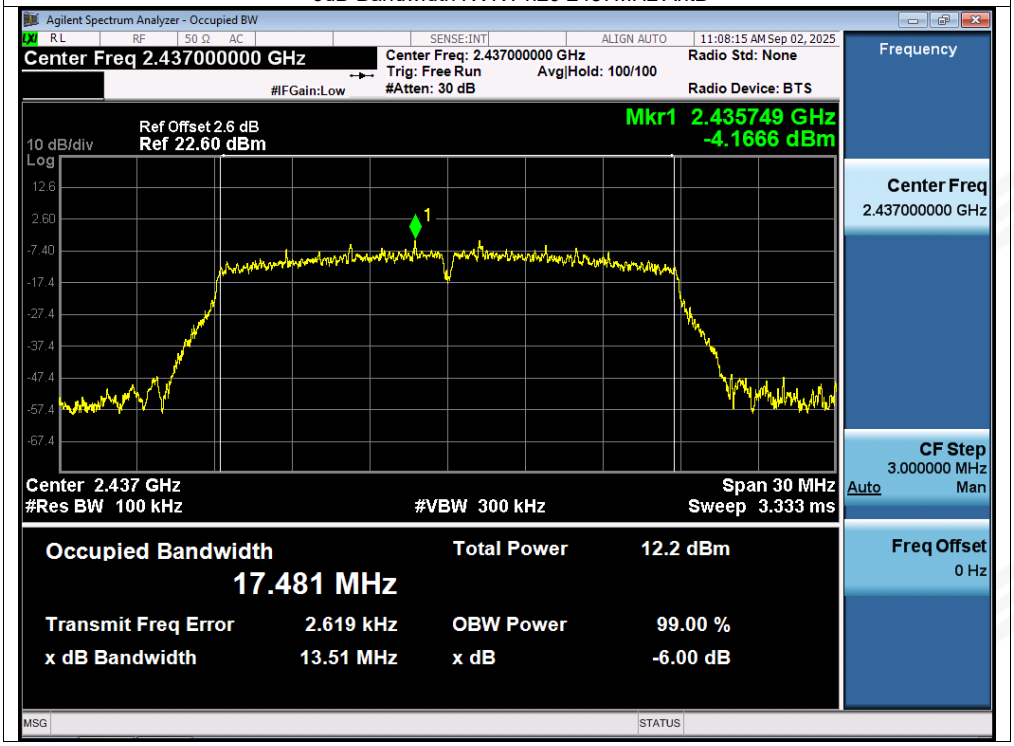
-6dB Bandwidth NVNT g 2462MHz AntB



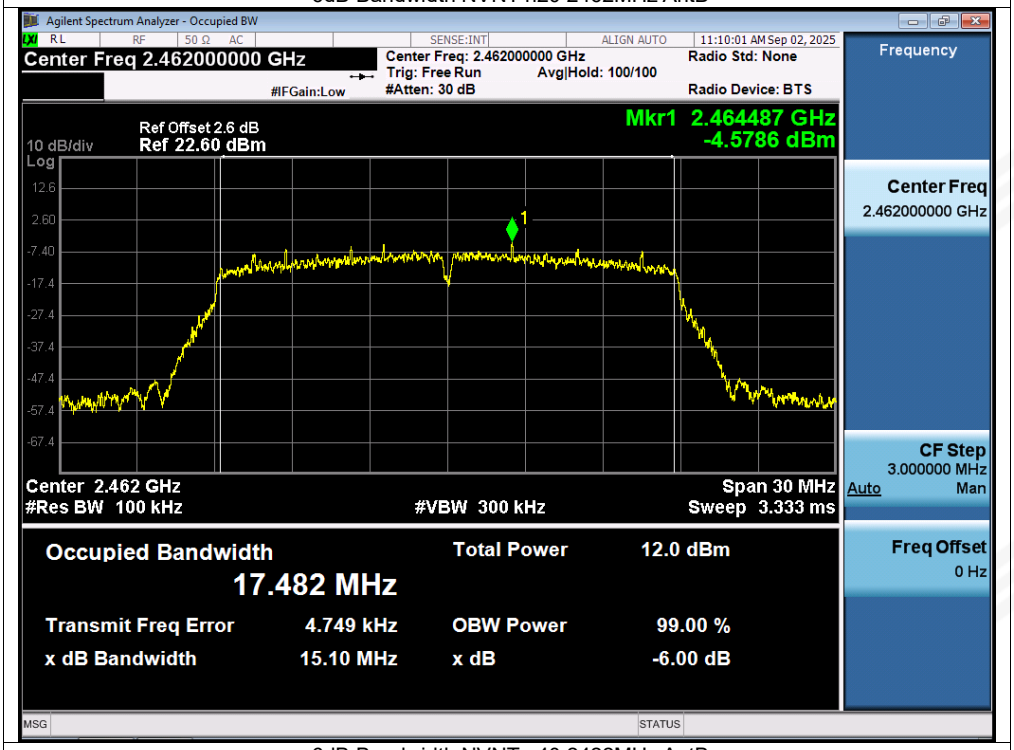
-6dB Bandwidth NVNT n20 2412MHz AntB



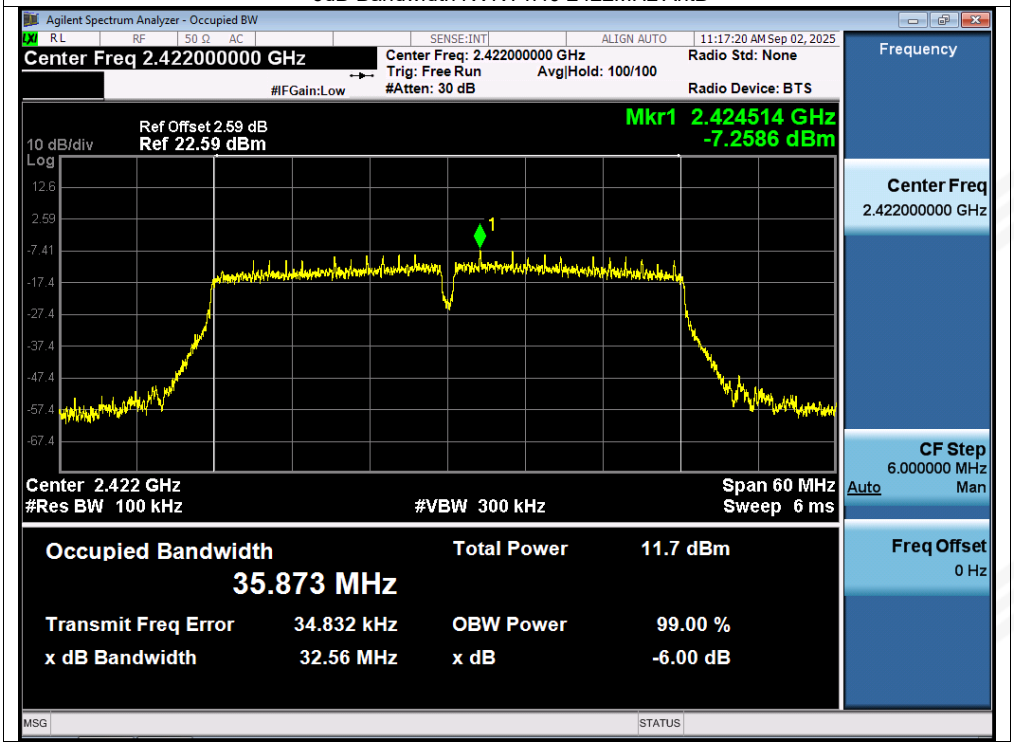
-6dB Bandwidth NVNT n20 2437MHz AntB



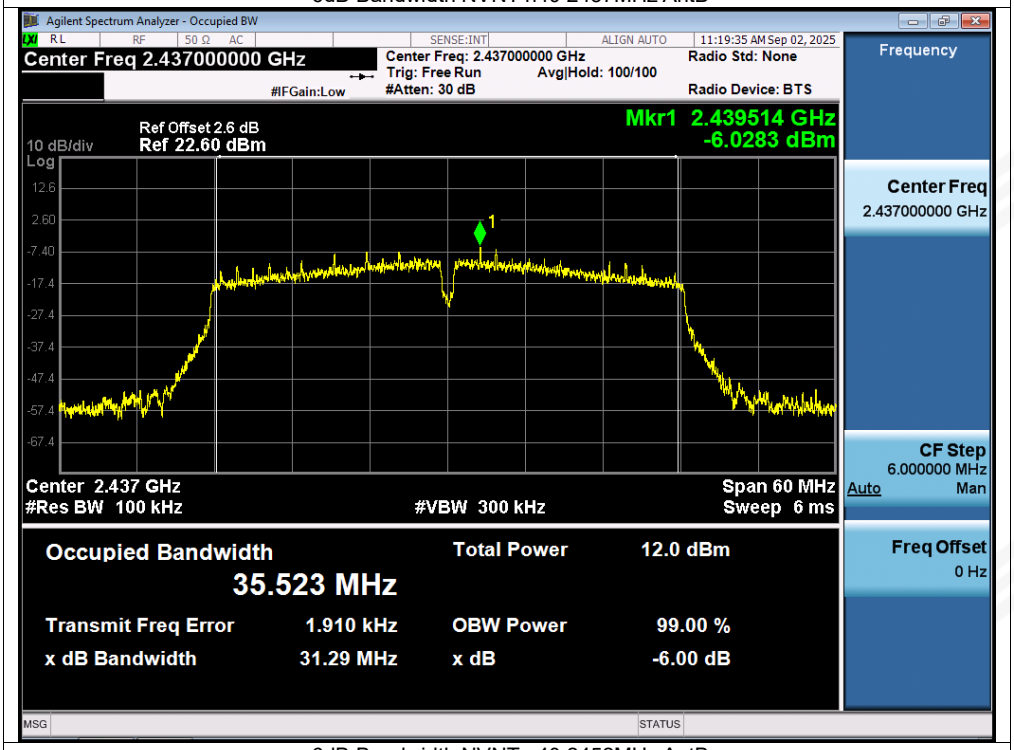
-6dB Bandwidth NVNT n20 2462MHz AntB



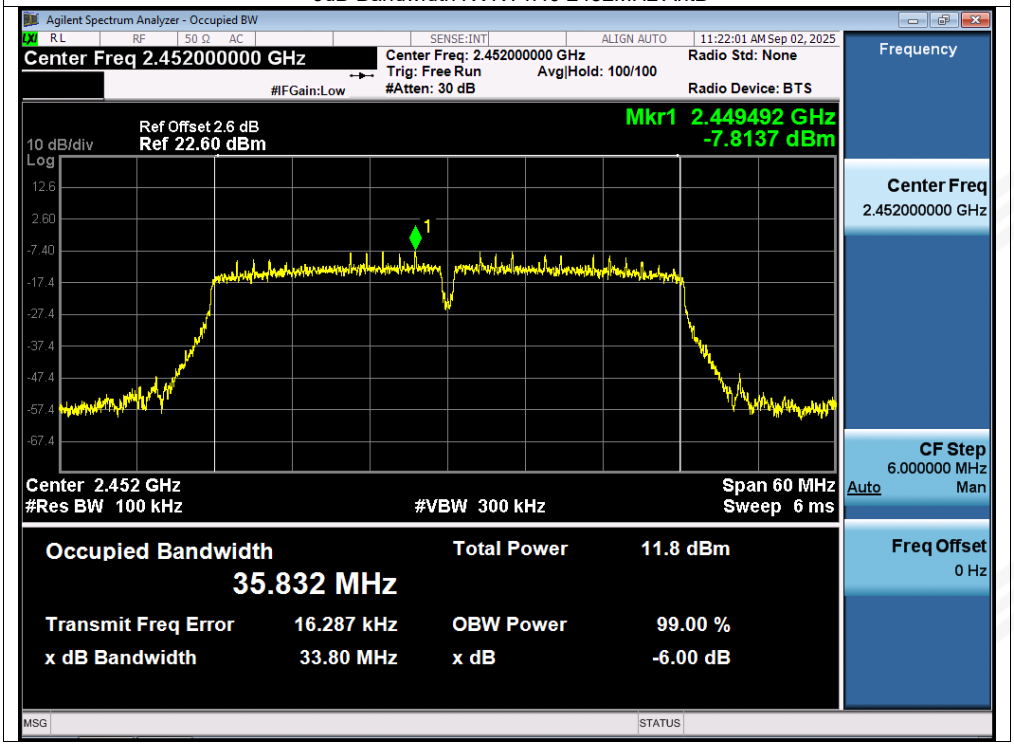
-6dB Bandwidth NVNT n40 2422MHz AntB



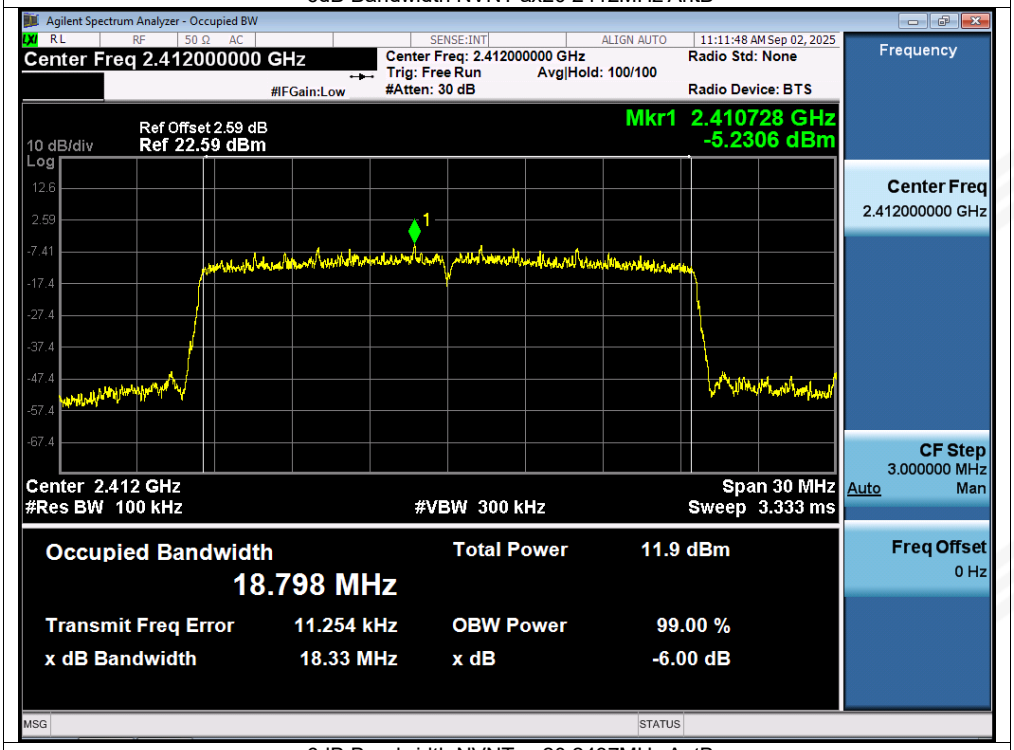
-6dB Bandwidth NVNT n40 2437MHz AntB



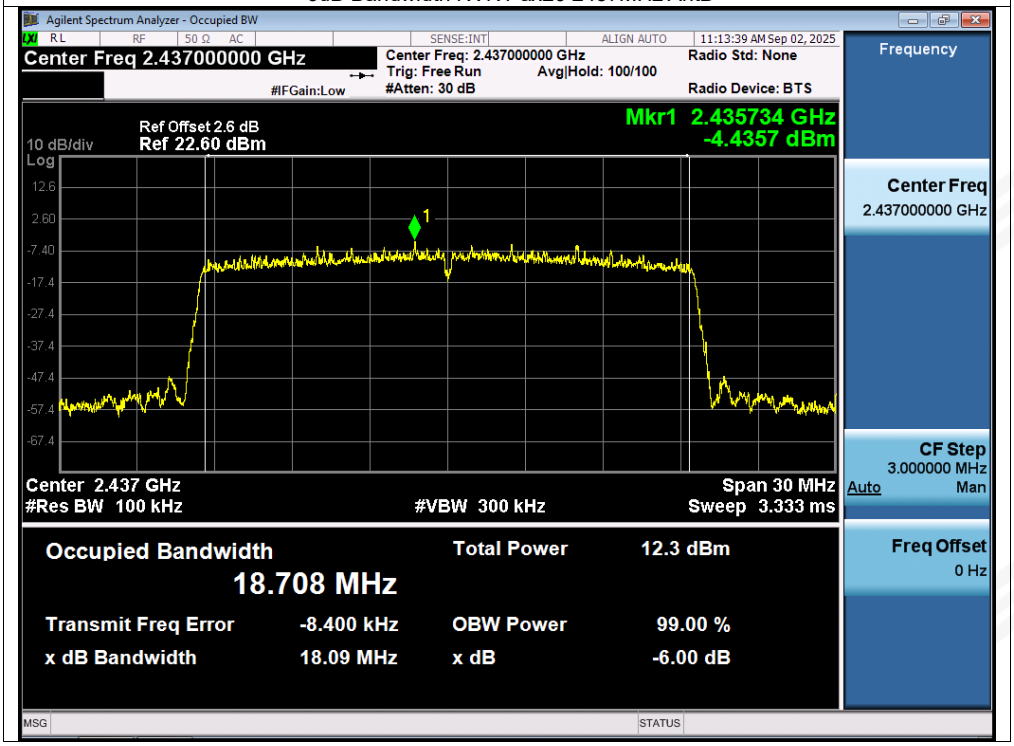
-6dB Bandwidth NVNT n40 2452MHz AntB



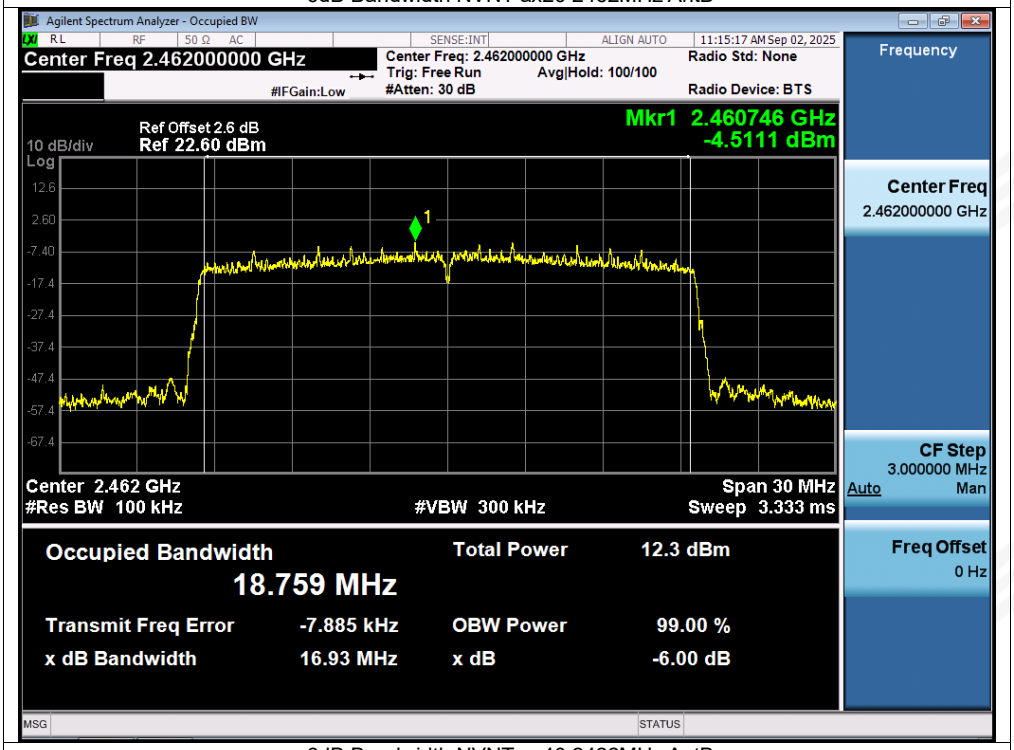
-6dB Bandwidth NVNT ax20 2412MHz AntB



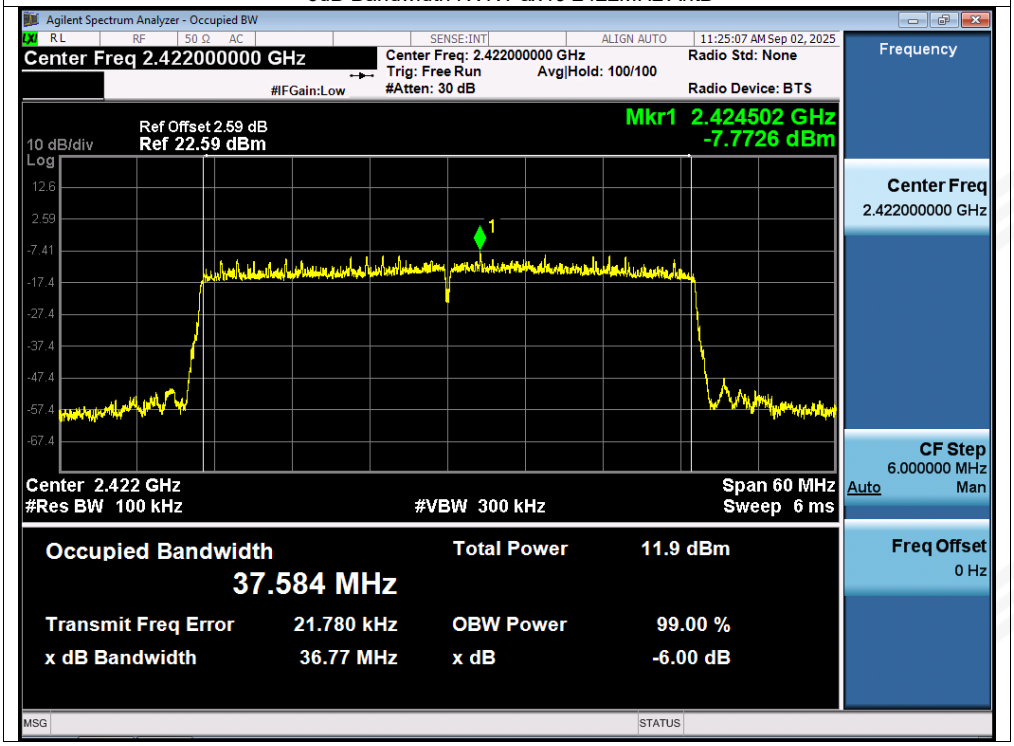
-6dB Bandwidth NVNT ax20 2437MHz AntB



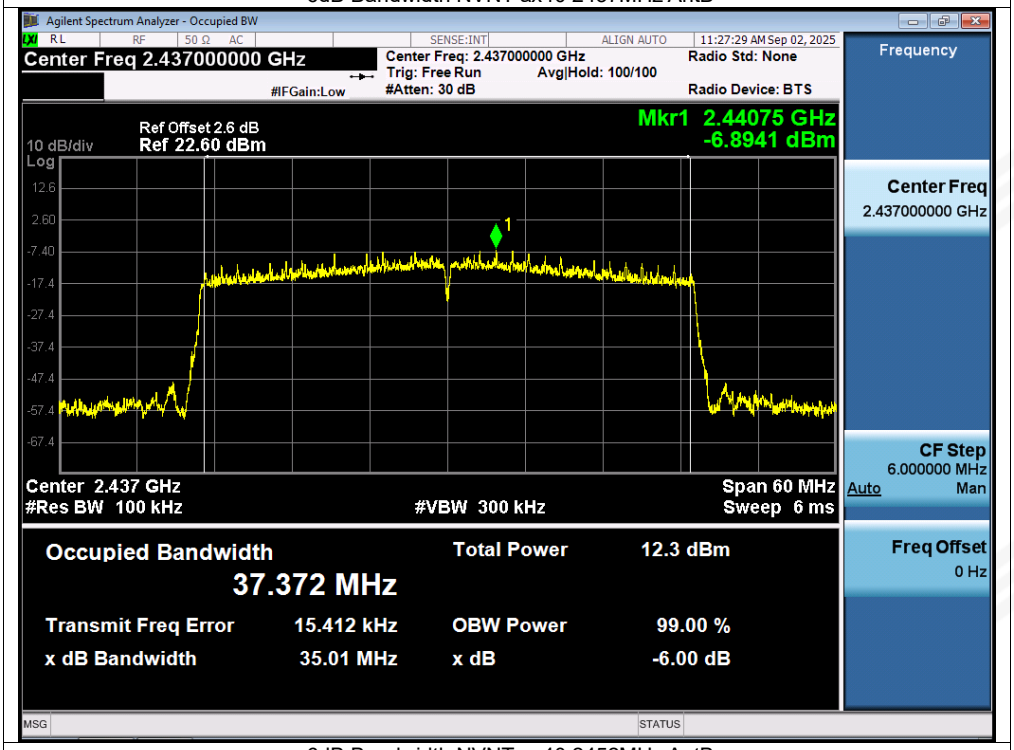
-6dB Bandwidth NVNT ax20 2462MHz AntB



-6dB Bandwidth NVNT ax40 2422MHz AntB



-6dB Bandwidth NVNT ax40 2437MHz AntB



-6dB Bandwidth NVNT ax40 2452MHz AntB