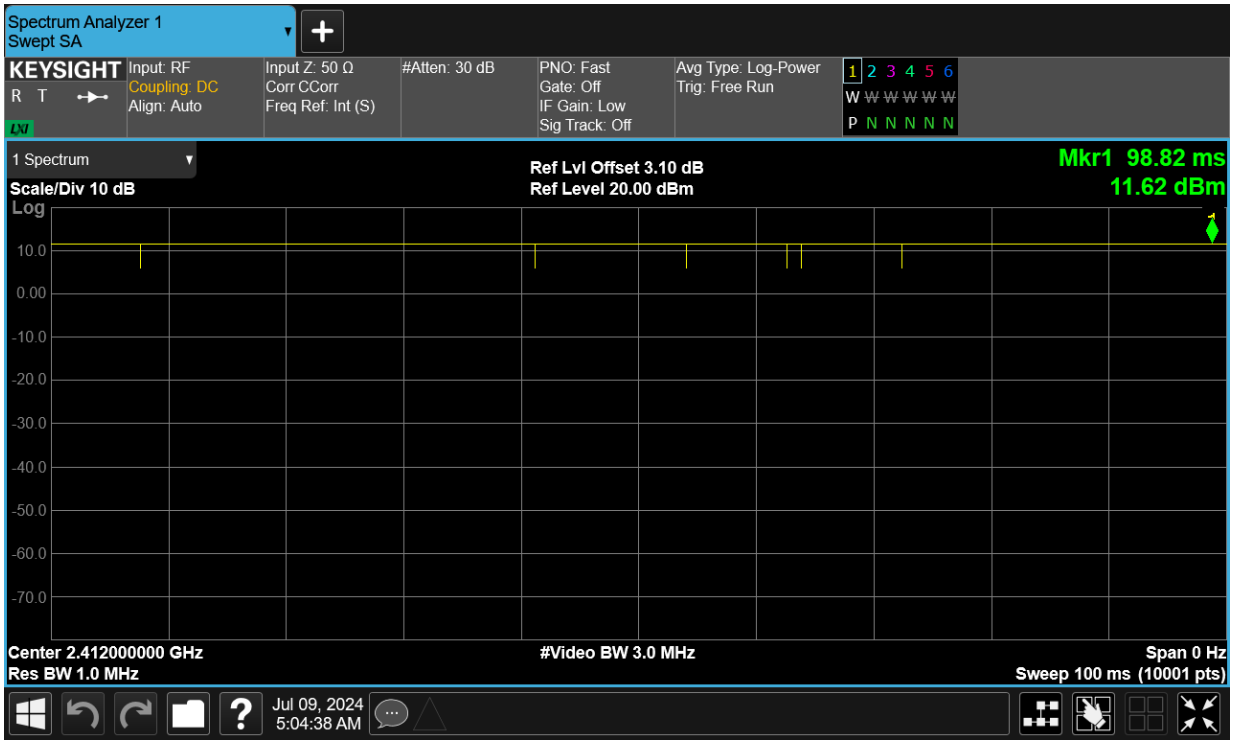
Test Data

Duty Cycle

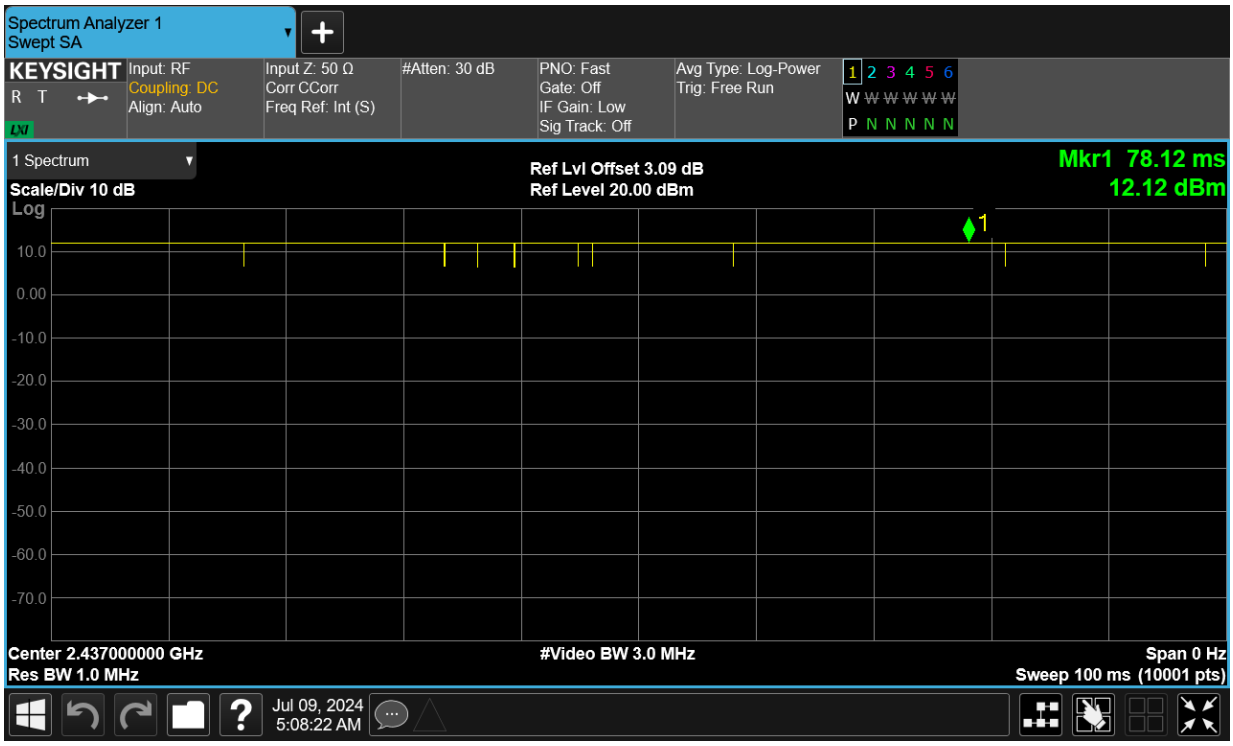
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	ANT13	100	0
NVNT	b	2437	ANT13	100	0
NVNT	b	2462	ANT13	100	0
NVNT	g	2412	ANT13	100	0
NVNT	g	2437	ANT13	100	0
NVNT	g	2462	ANT13	100	0
NVNT	n20	2412	ANT13	100	0
NVNT	n20	2437	ANT13	100	0
NVNT	n20	2462	ANT13	100	0
NVNT	n40	2422	ANT13	100	0
NVNT	n40	2437	ANT13	100	0
NVNT	n40	2452	ANT13	100	0

Test Graphs

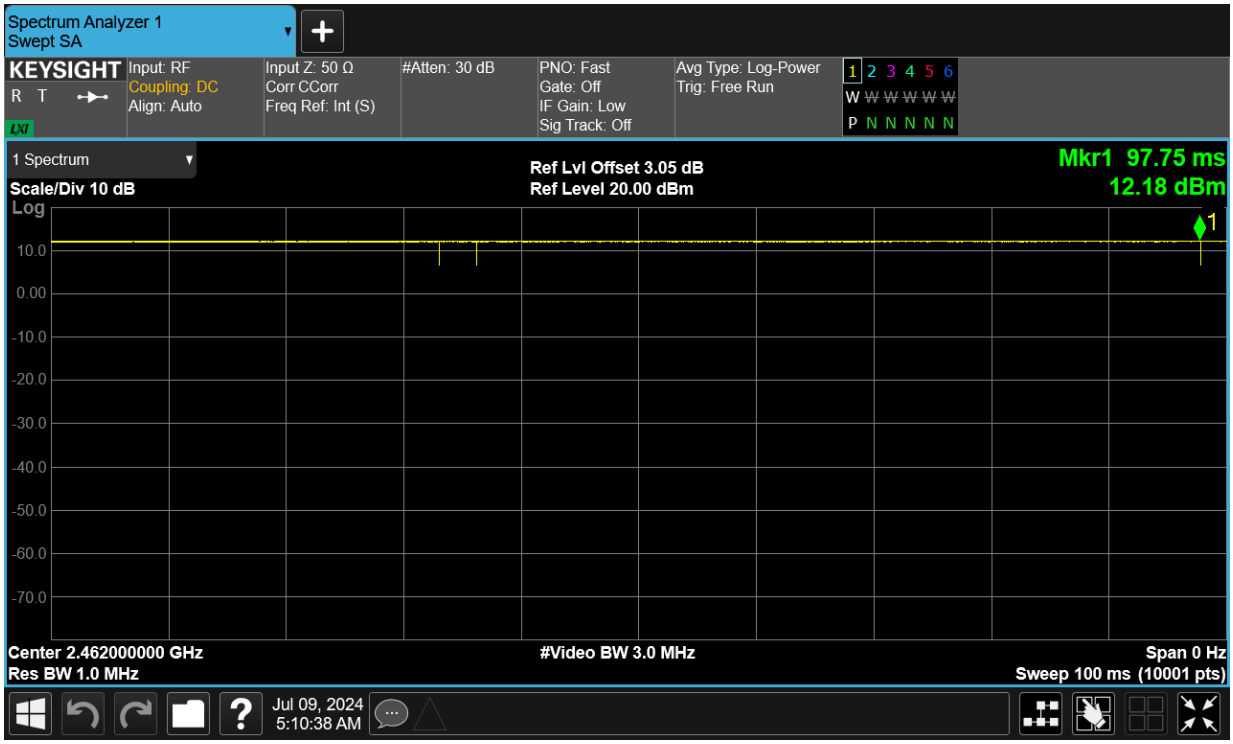
Duty Cycle NVNT b 2412MHz ANT13



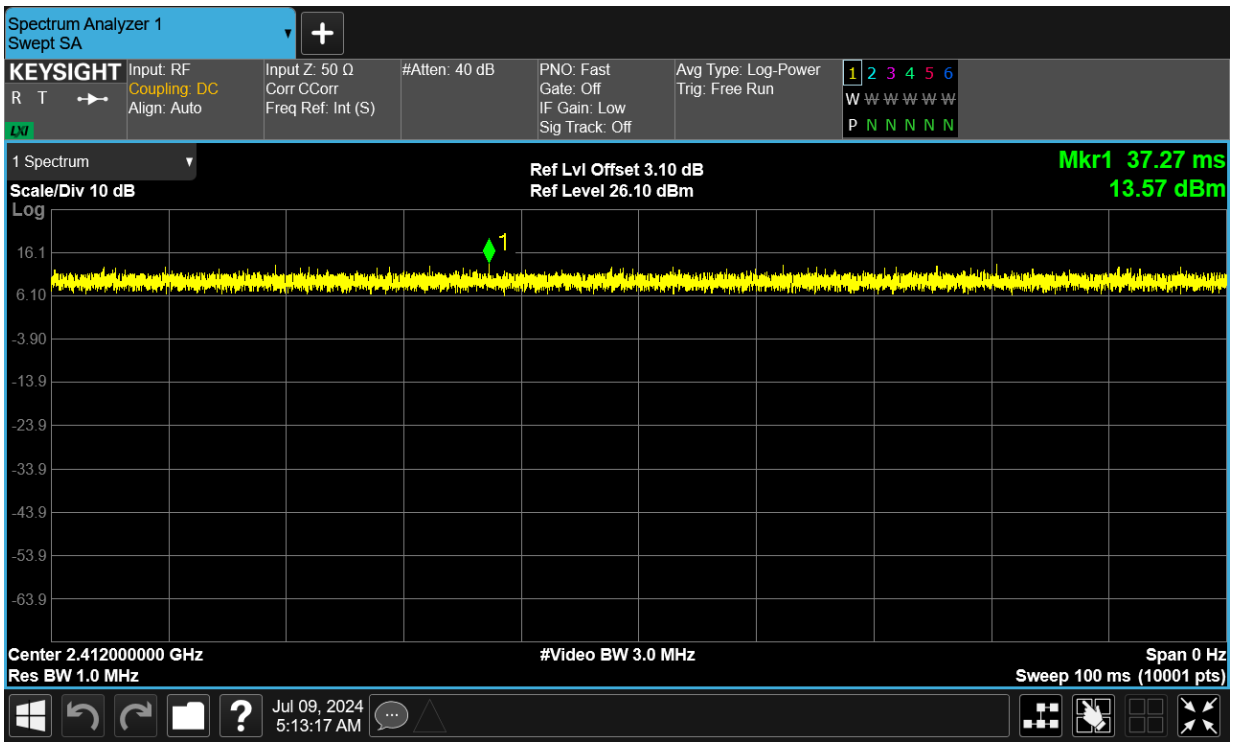
Duty Cycle NVNT b 2437MHz ANT13



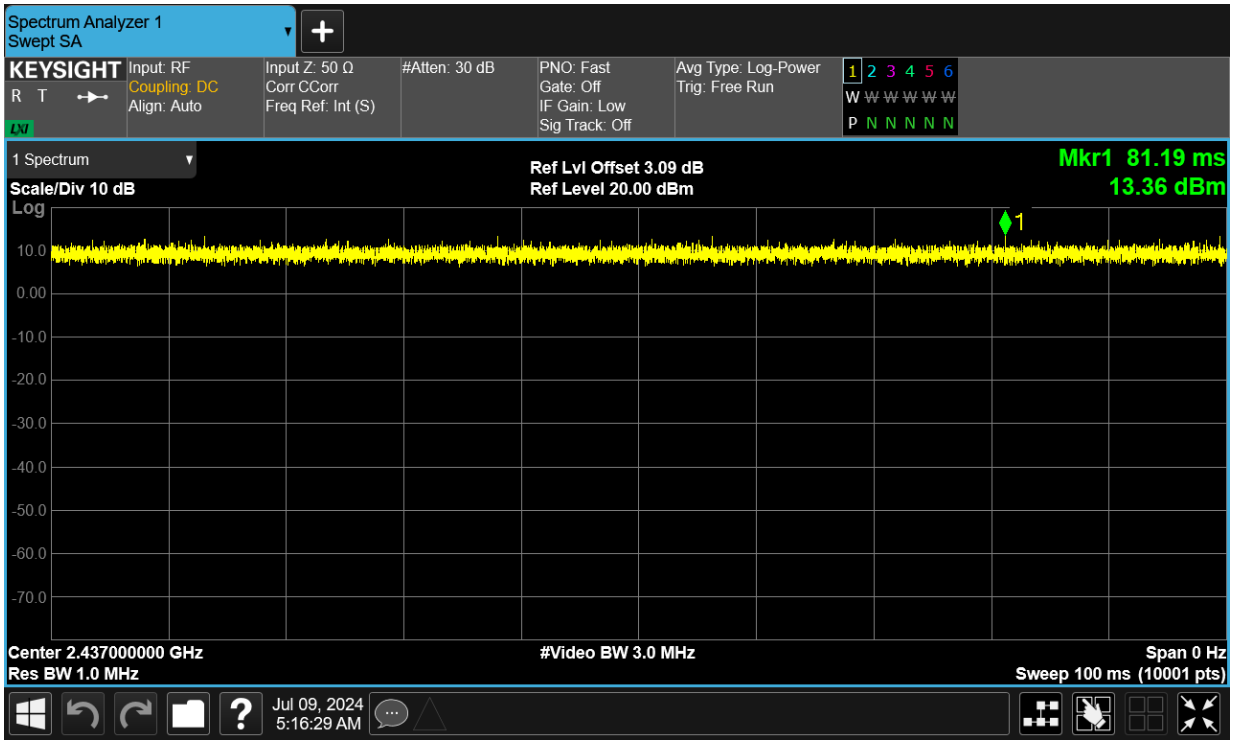
Duty Cycle NVNT b 2462MHz ANT13



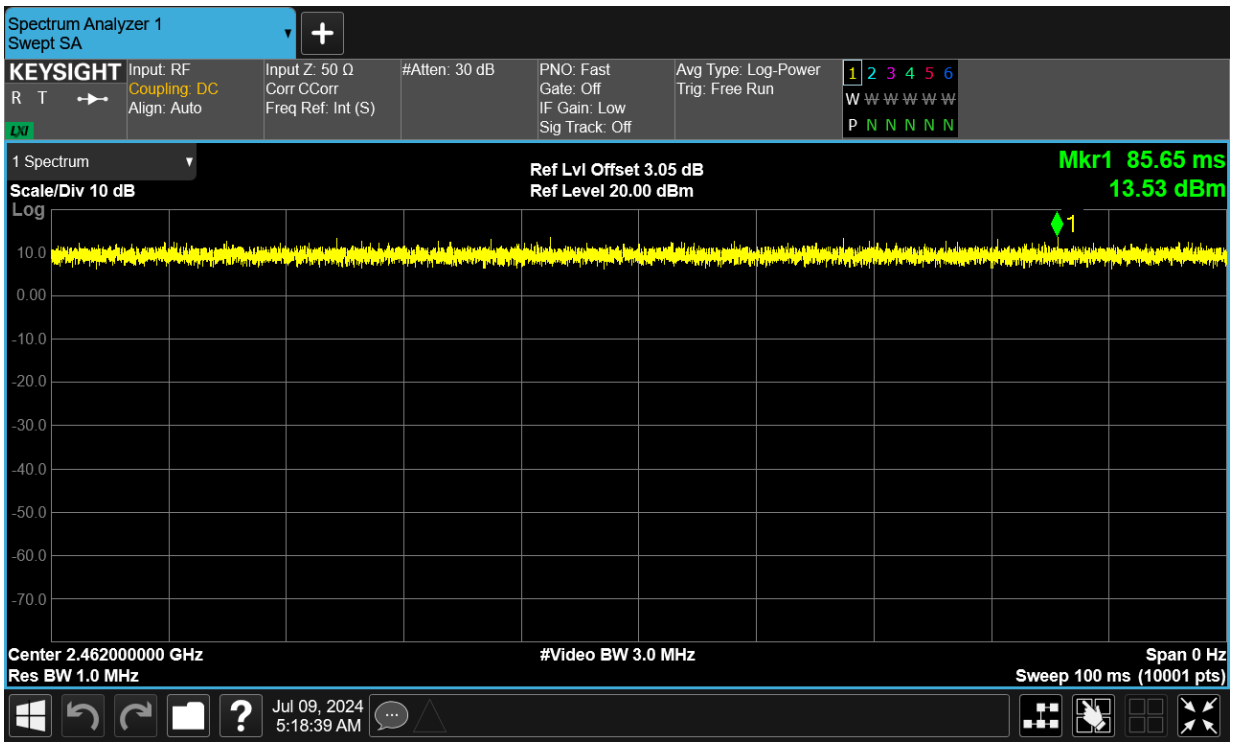
Duty Cycle NVNT g 2412MHz ANT13



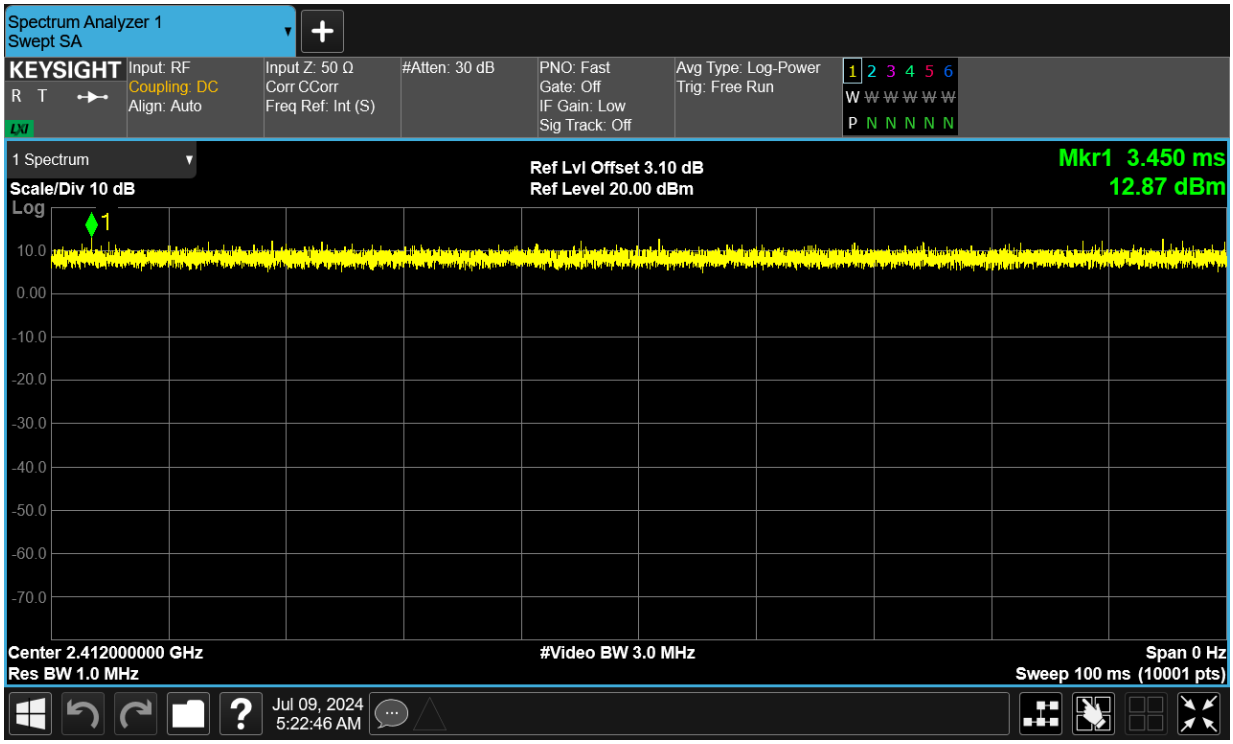
Duty Cycle NVNT g 2437MHz ANT13



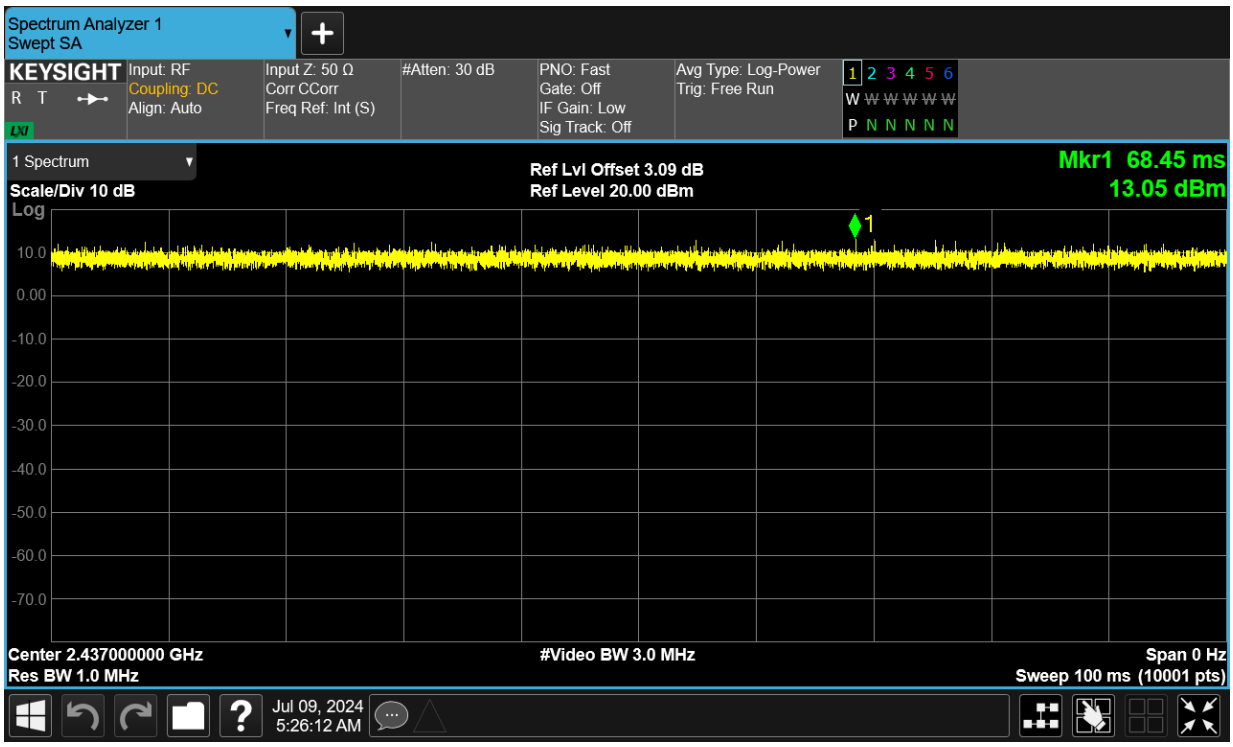
Duty Cycle NVNT g 2462MHz ANT13



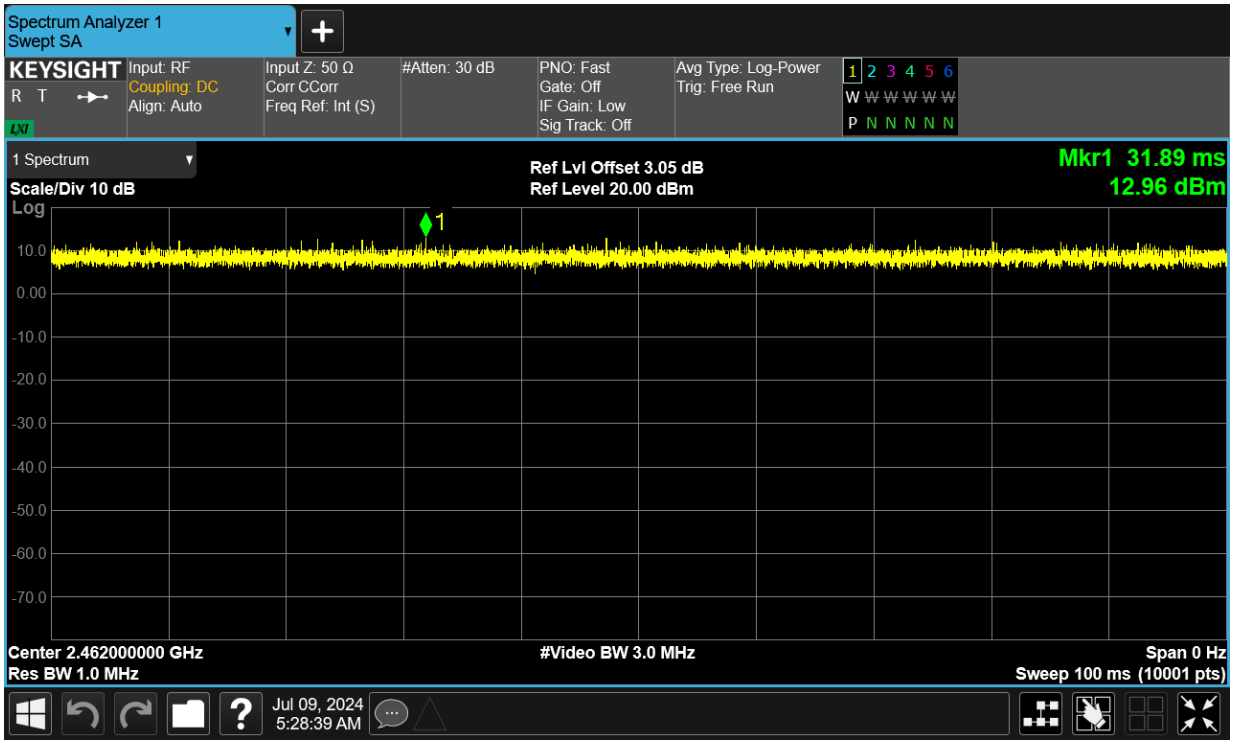
Duty Cycle NVNT n20 2412MHz ANT13



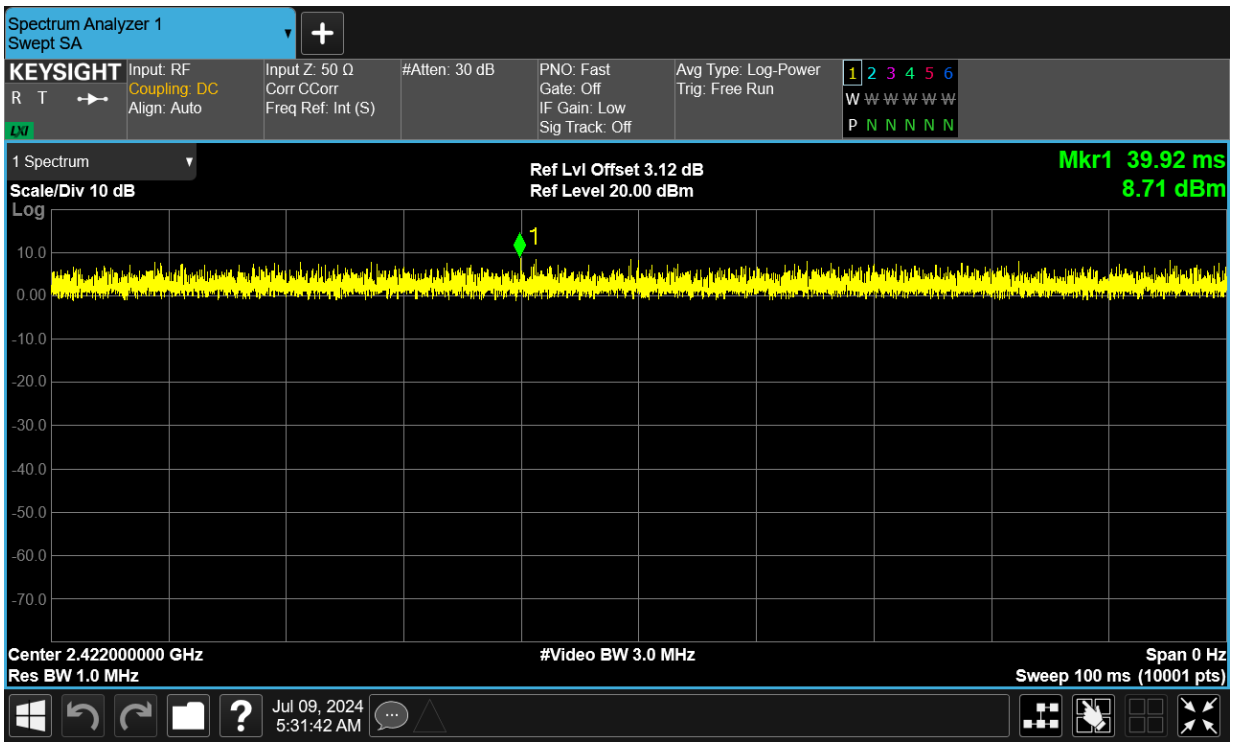
Duty Cycle NVNT n20 2437MHz ANT13



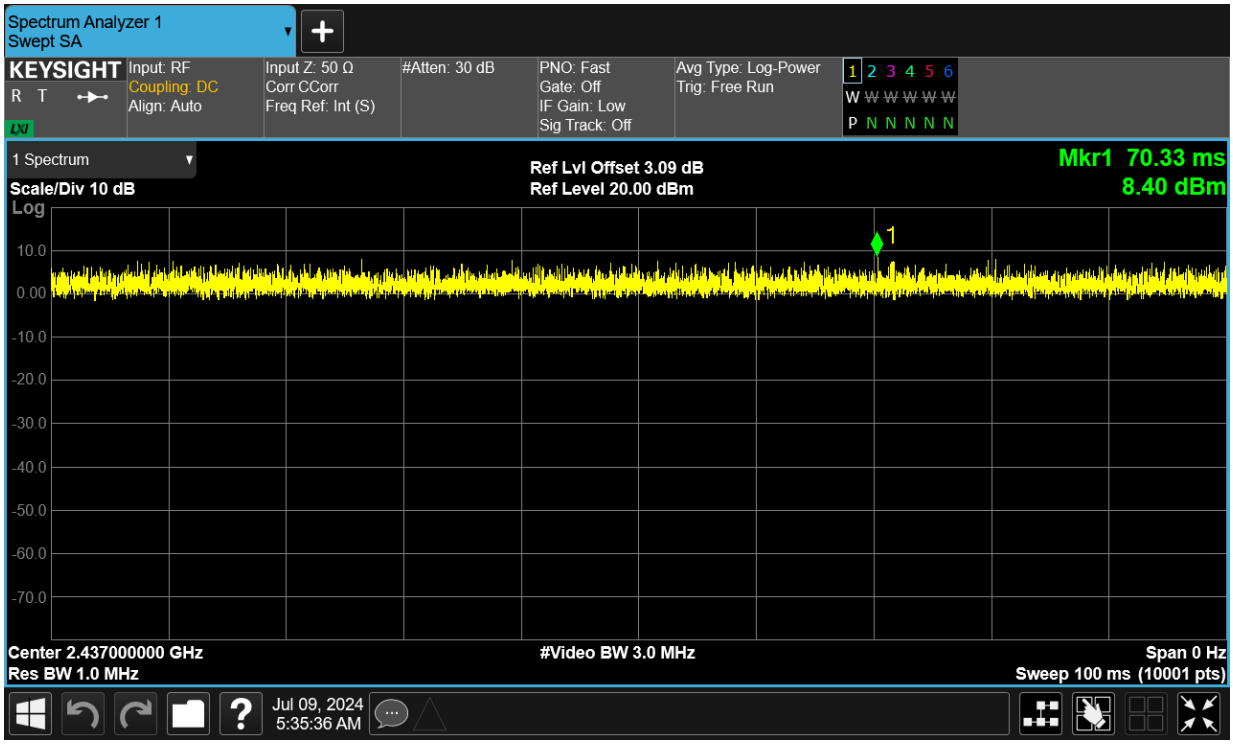
Duty Cycle NVNT n20 2462MHz ANT13



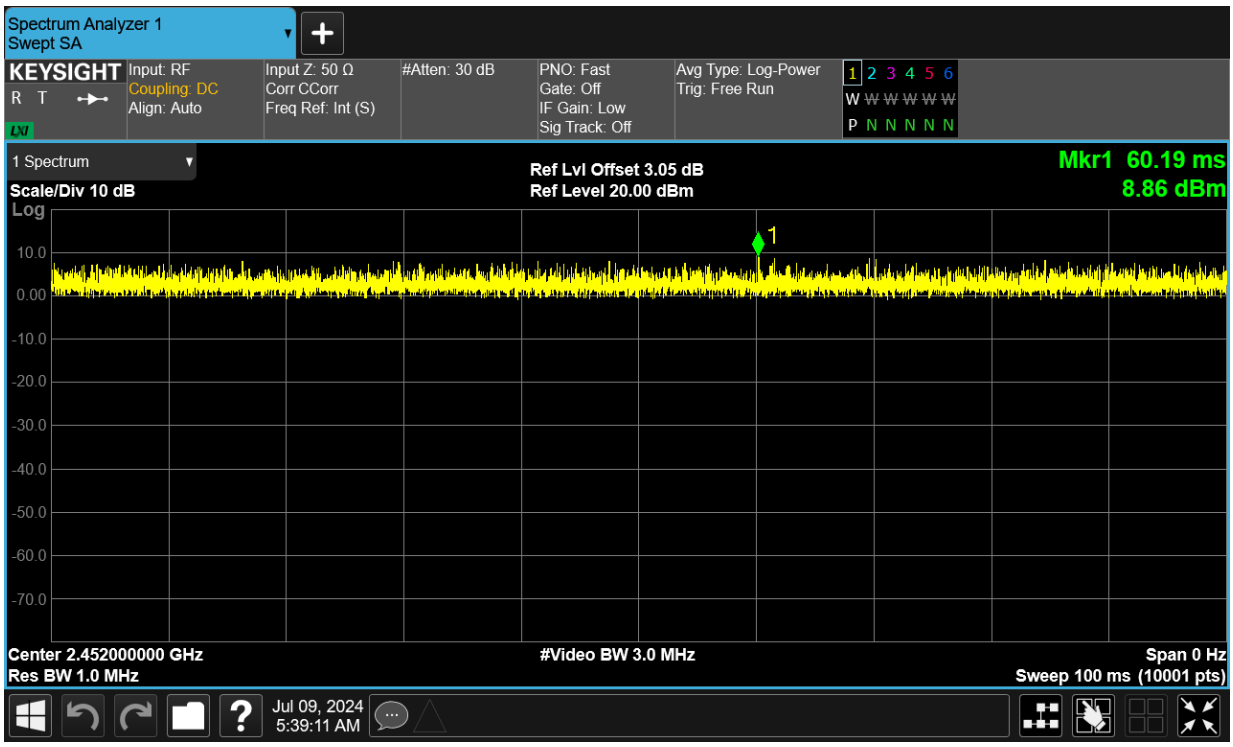
Duty Cycle NVNT n40 2422MHz ANT13



Duty Cycle NVNT n40 2437MHz ANT13



Duty Cycle NVNT n40 2452MHz ANT13



Maximum Conducted Output Power

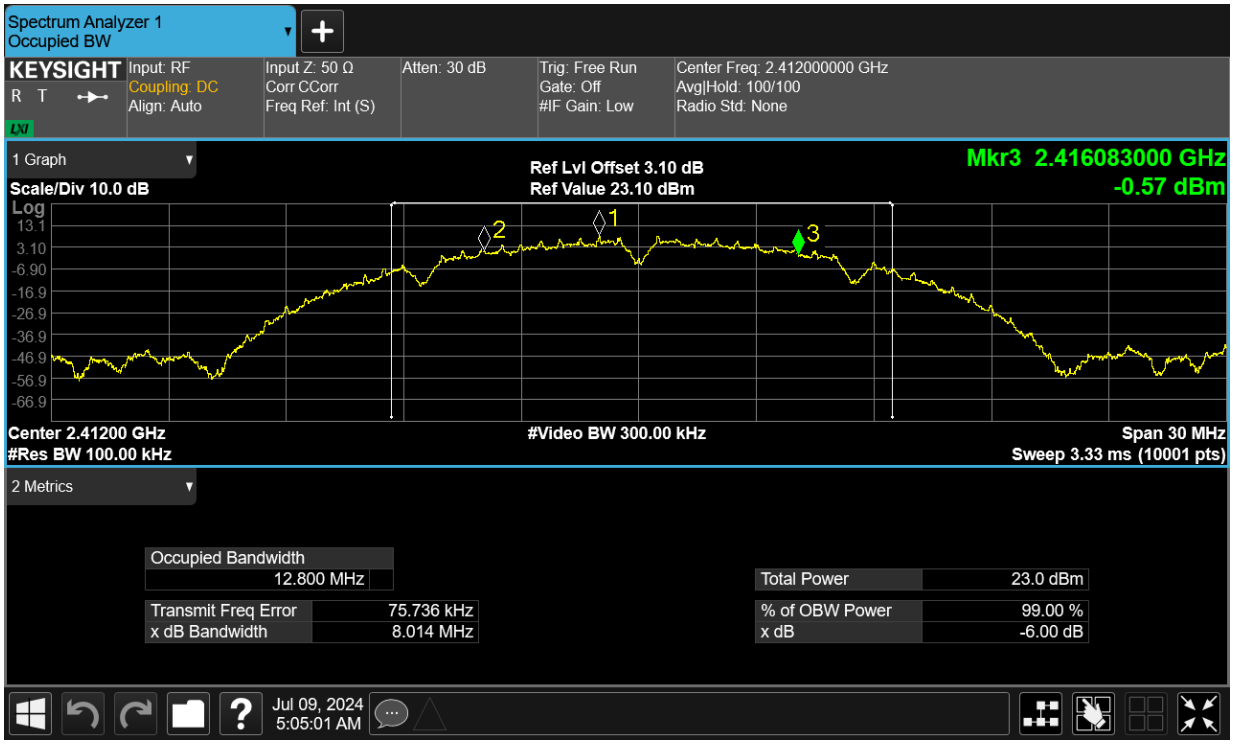
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT13	17.08	0	17.08	30	Pass
NVNT	b	2437	ANT13	17.38	0	17.38	30	Pass
NVNT	b	2462	ANT13	17.19	0	17.19	30	Pass
NVNT	g	2412	ANT13	16.14	0	16.14	30	Pass
NVNT	g	2437	ANT13	15.86	0	15.86	30	Pass
NVNT	g	2462	ANT13	15.78	0	15.78	30	Pass
NVNT	n20	2412	ANT13	15.4	0	15.4	30	Pass
NVNT	n20	2437	ANT13	15.43	0	15.43	30	Pass
NVNT	n20	2462	ANT13	15.01	0	15.01	30	Pass
NVNT	n40	2422	ANT13	15.45	0	15.45	30	Pass
NVNT	n40	2437	ANT13	15.41	0	15.41	30	Pass
NVNT	n40	2452	ANT13	15.46	0	15.46	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	ANT13	8.014	0.5	Pass
NVNT	b	2437	ANT13	8.026	0.5	Pass
NVNT	b	2462	ANT13	7.067	0.5	Pass
NVNT	g	2412	ANT13	16.44	0.5	Pass
NVNT	g	2437	ANT13	16.339	0.5	Pass
NVNT	g	2462	ANT13	16.32	0.5	Pass
NVNT	n20	2412	ANT13	17.626	0.5	Pass
NVNT	n20	2437	ANT13	17.597	0.5	Pass
NVNT	n20	2462	ANT13	17.61	0.5	Pass
NVNT	n40	2422	ANT13	35.936	0.5	Pass
NVNT	n40	2437	ANT13	36.353	0.5	Pass
NVNT	n40	2452	ANT13	36.03	0.5	Pass

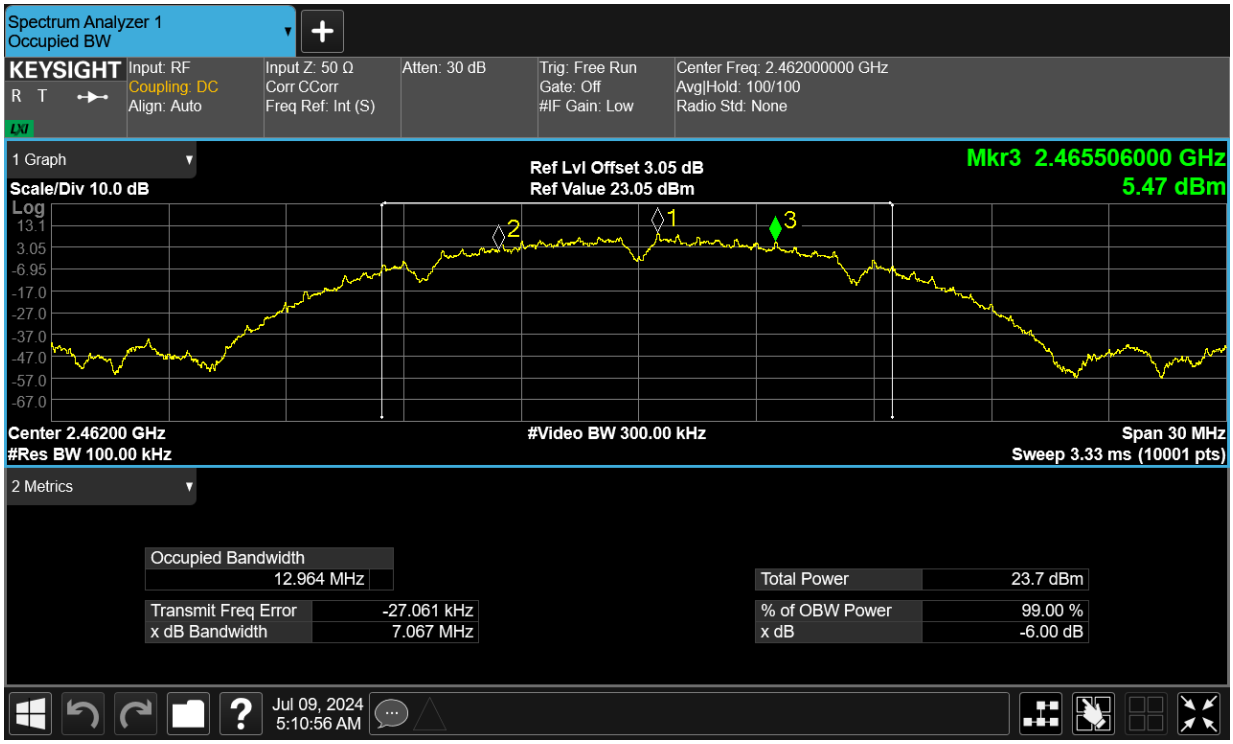
Test Graphs

-6dB Bandwidth NVNT b 2412MHz ANT13

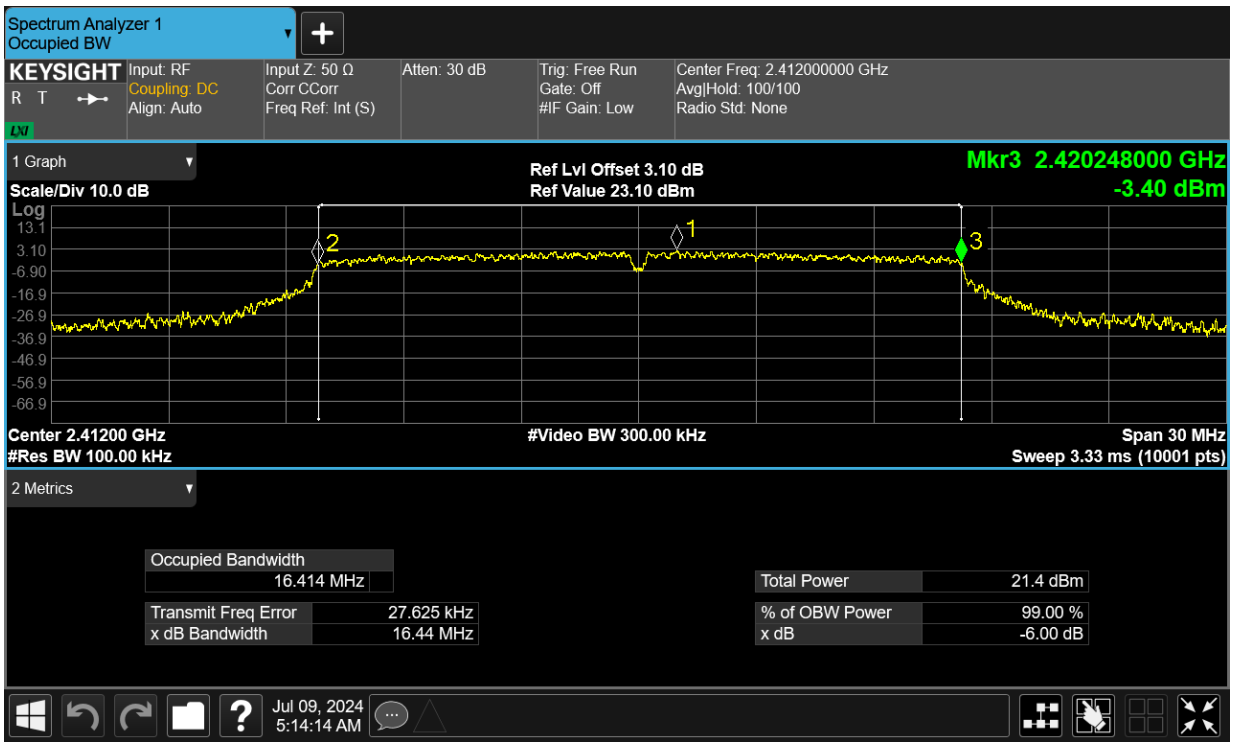


-6dB Bandwidth NVNT b 2437MHz ANT13

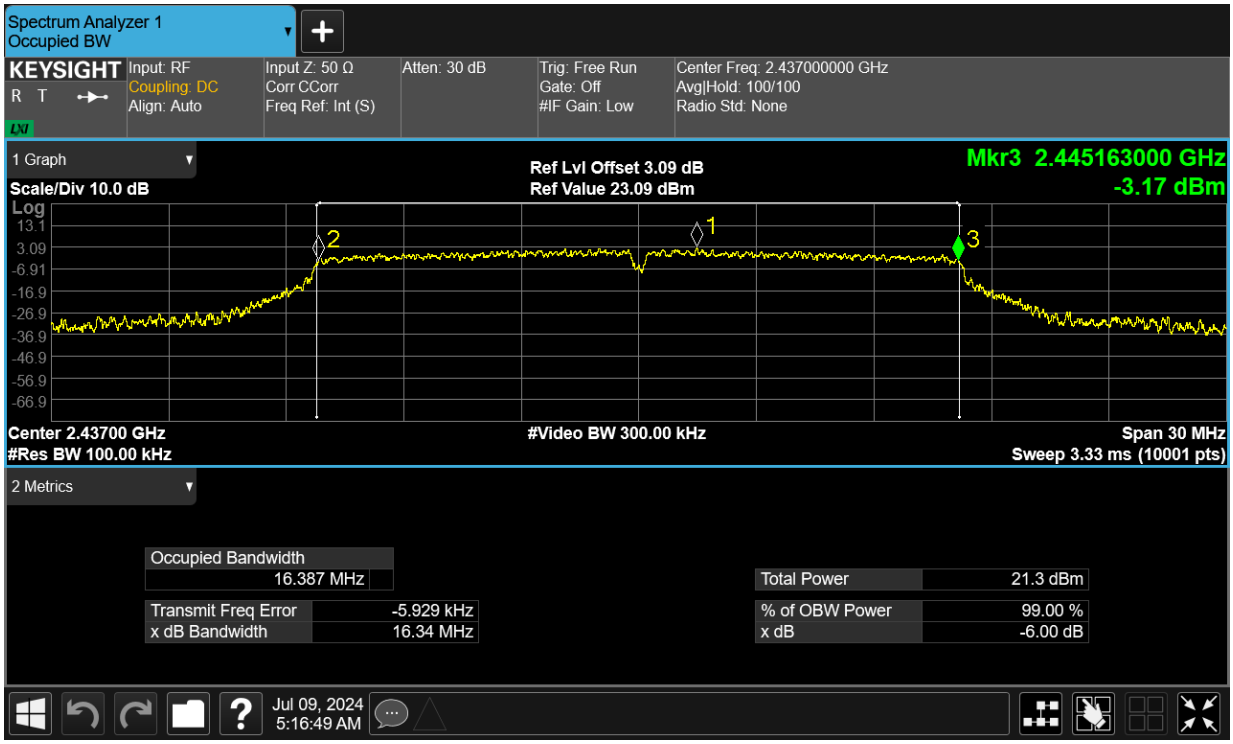
-6dB Bandwidth NVNT b 2462MHz ANT13



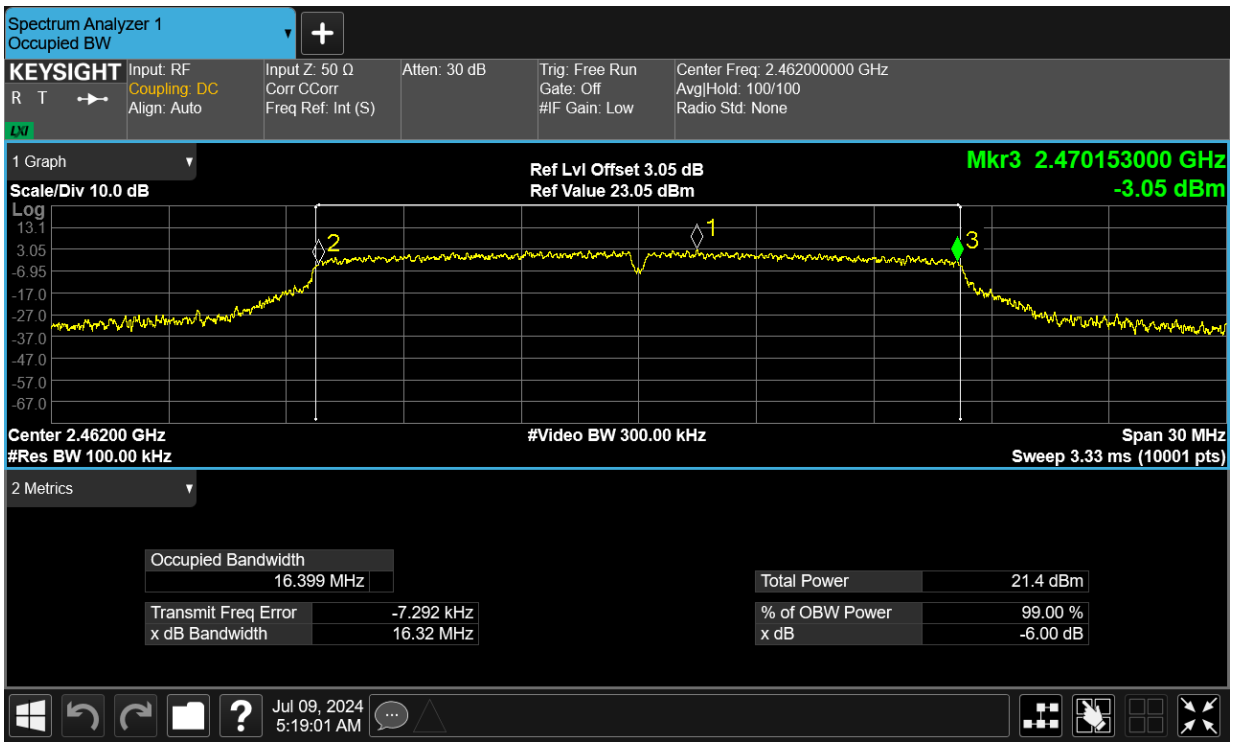
-6dB Bandwidth NVNT g 2412MHz ANT13



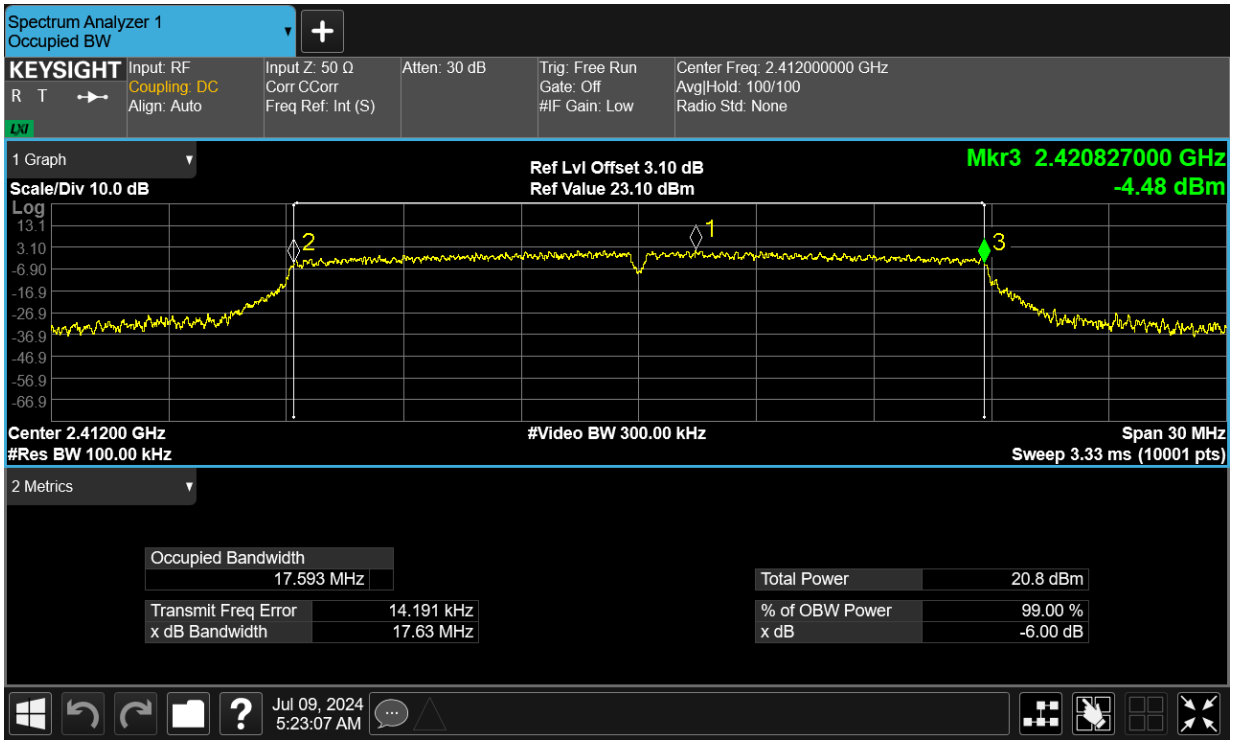
-6dB Bandwidth NVNT g 2437MHz ANT13



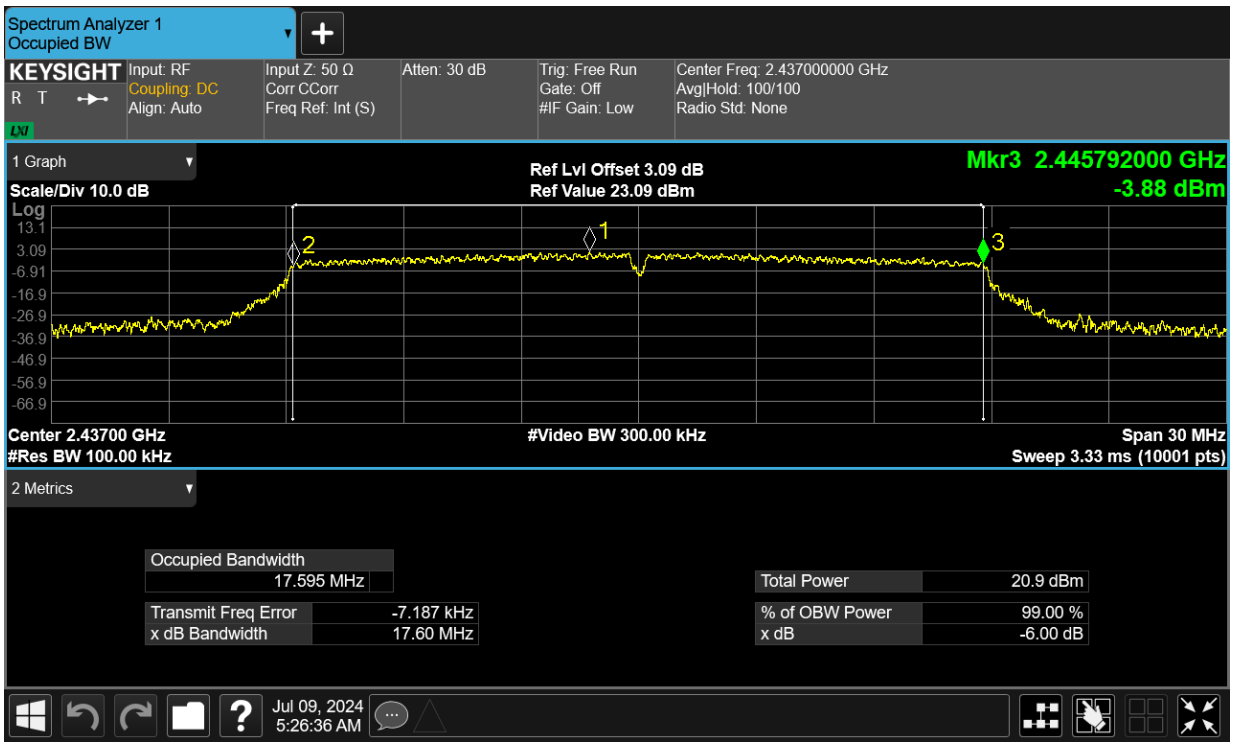
-6dB Bandwidth NVNT g 2462MHz ANT13



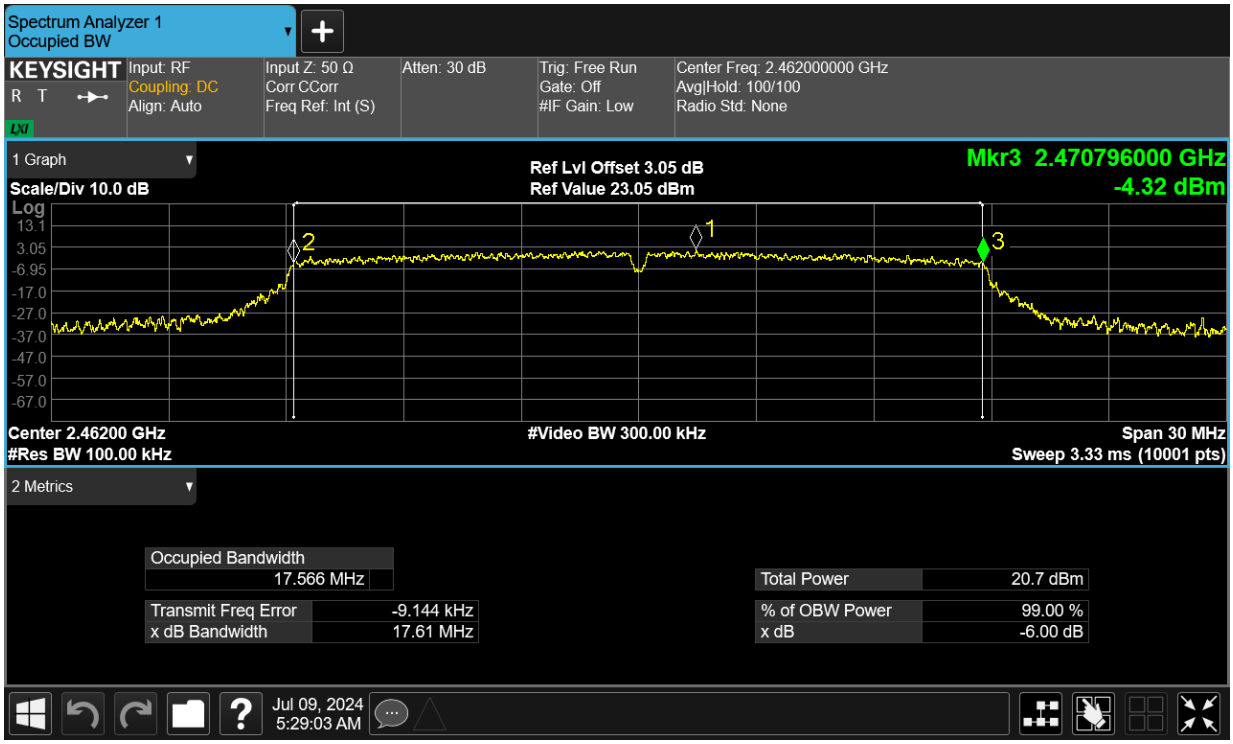
-6dB Bandwidth NVNT n20 2412MHz ANT13



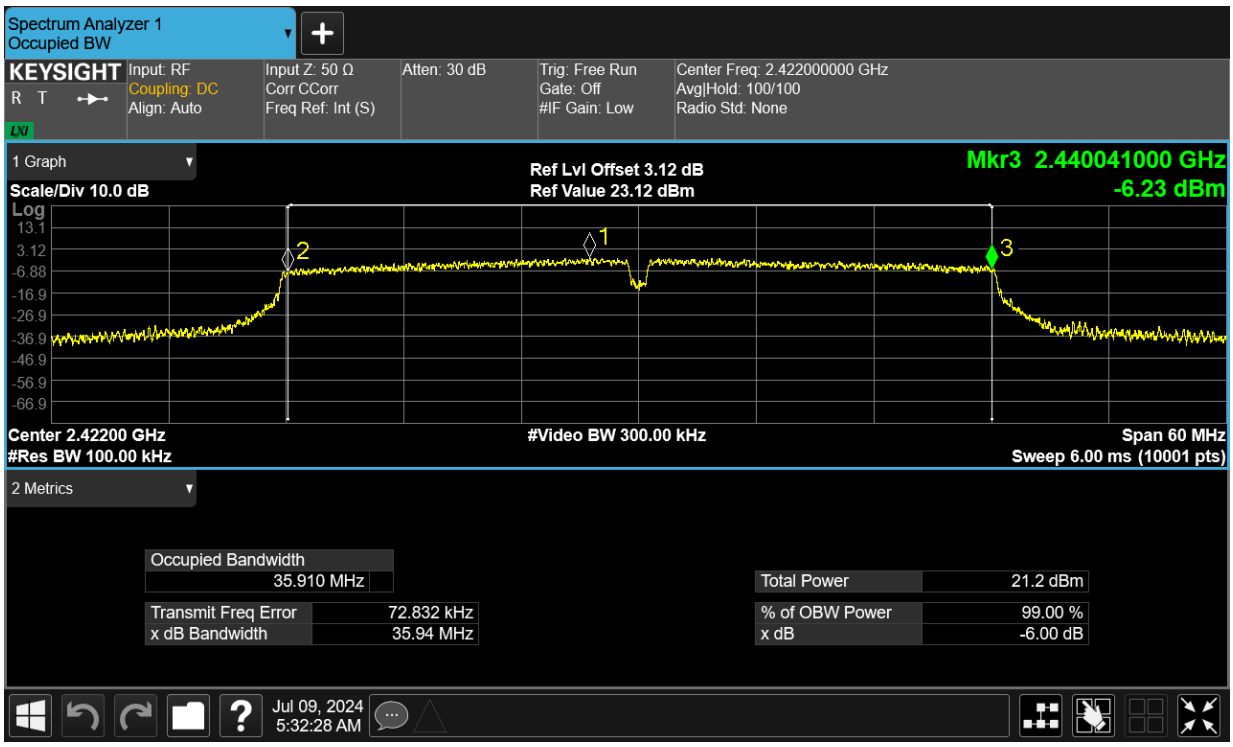
-6dB Bandwidth NVNT n20 2437MHz ANT13



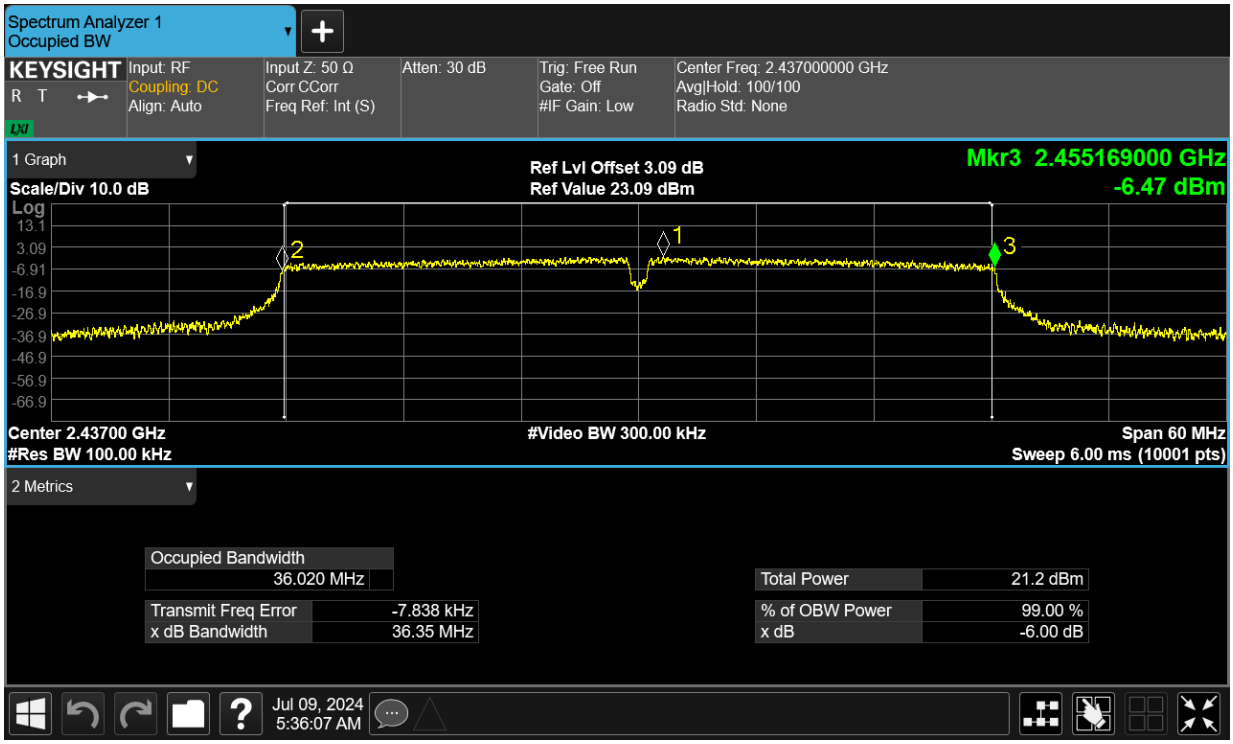
-6dB Bandwidth NVNT n20 2462MHz ANT13



-6dB Bandwidth NVNT n40 2422MHz ANT13



-6dB Bandwidth NVNT n40 2437MHz ANT13



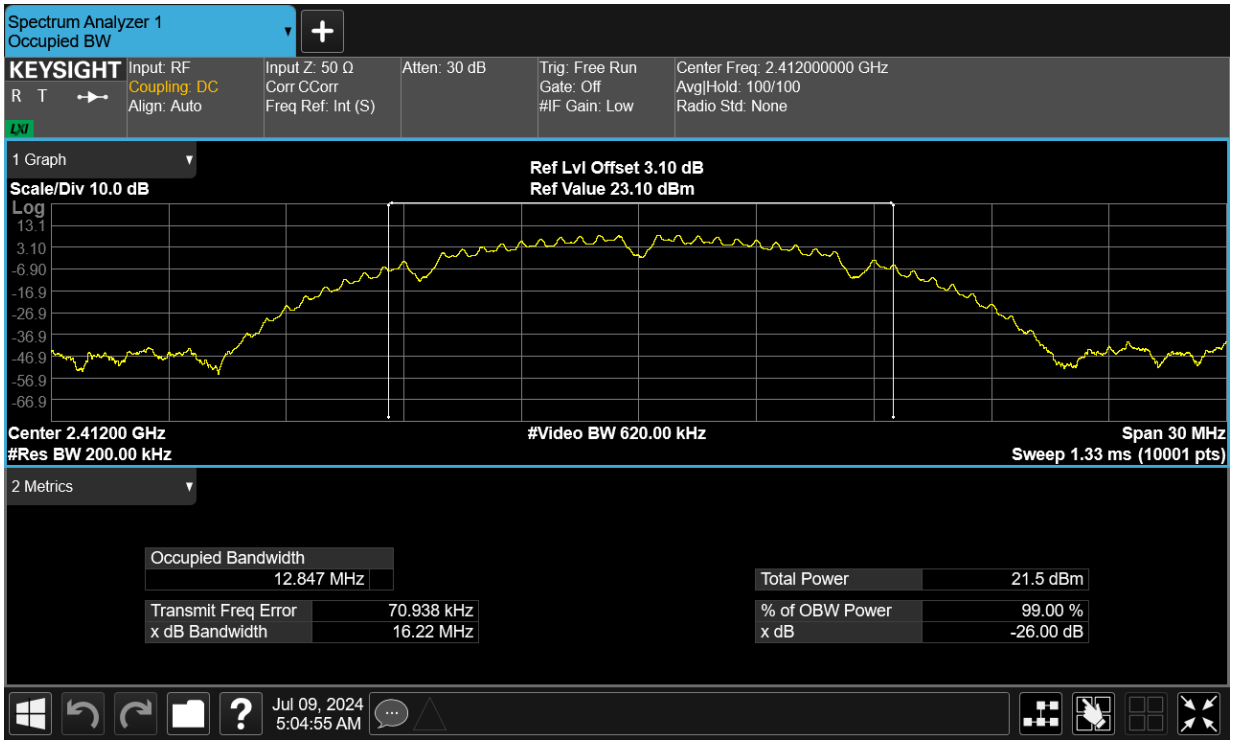
-6dB Bandwidth NVNT n40 2452MHz ANT13

Occupied Channel Bandwidth

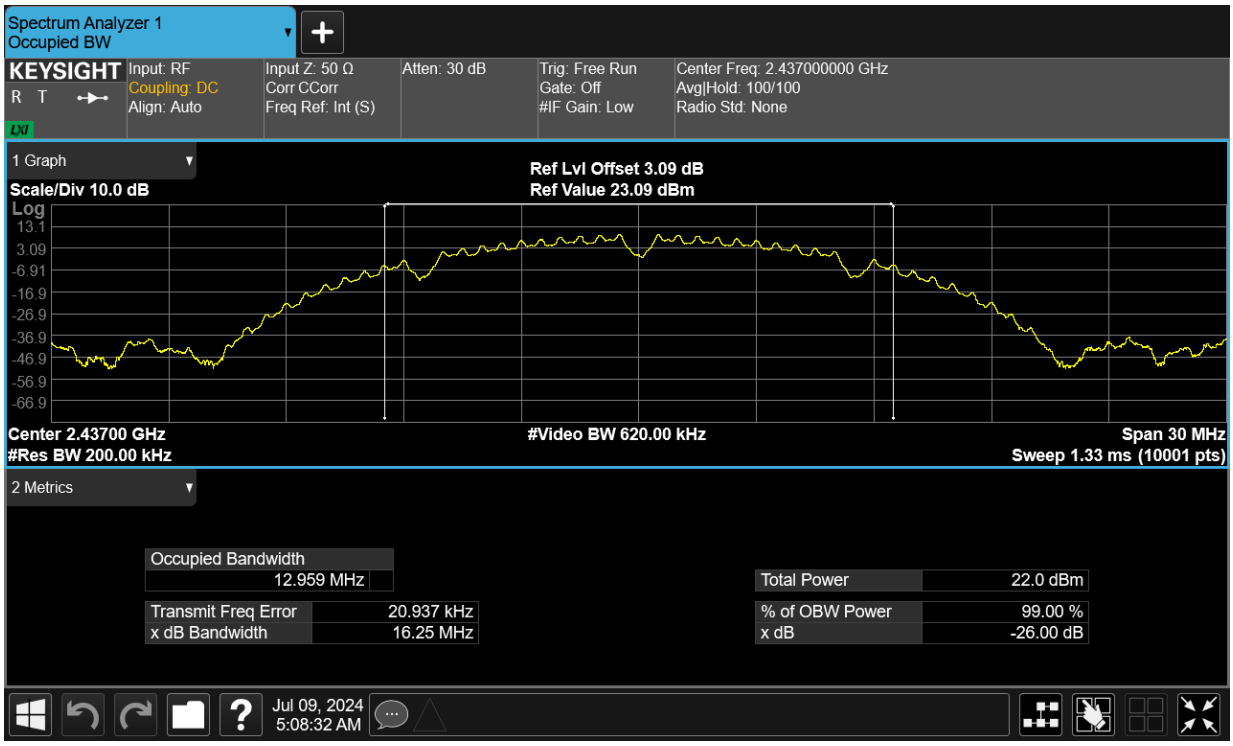
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	ANT13	12.847
NVNT	b	2437	ANT13	12.959
NVNT	b	2462	ANT13	12.965
NVNT	g	2412	ANT13	16.502
NVNT	g	2437	ANT13	16.468
NVNT	g	2462	ANT13	16.466
NVNT	n20	2412	ANT13	17.618
NVNT	n20	2437	ANT13	17.612
NVNT	n20	2462	ANT13	17.603
NVNT	n40	2422	ANT13	35.938
NVNT	n40	2437	ANT13	36.09
NVNT	n40	2452	ANT13	35.948

Test Graphs

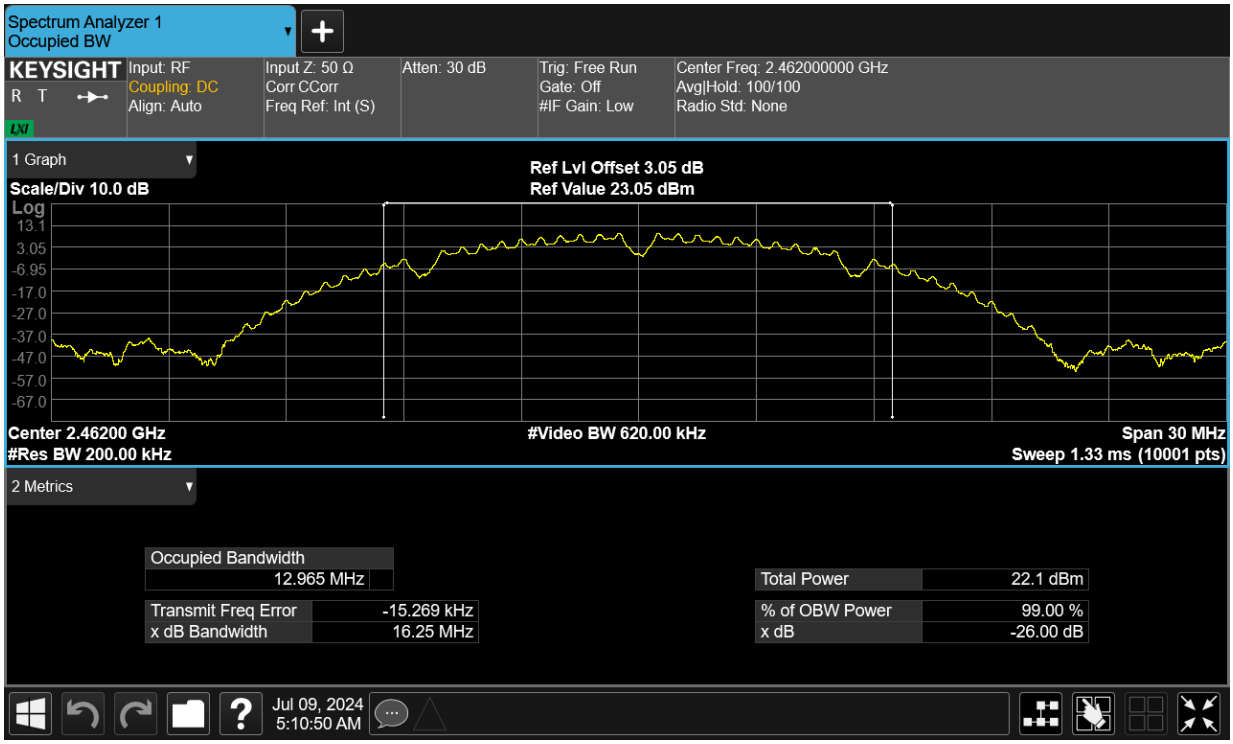
OBW NVNT b 2412MHz ANT13



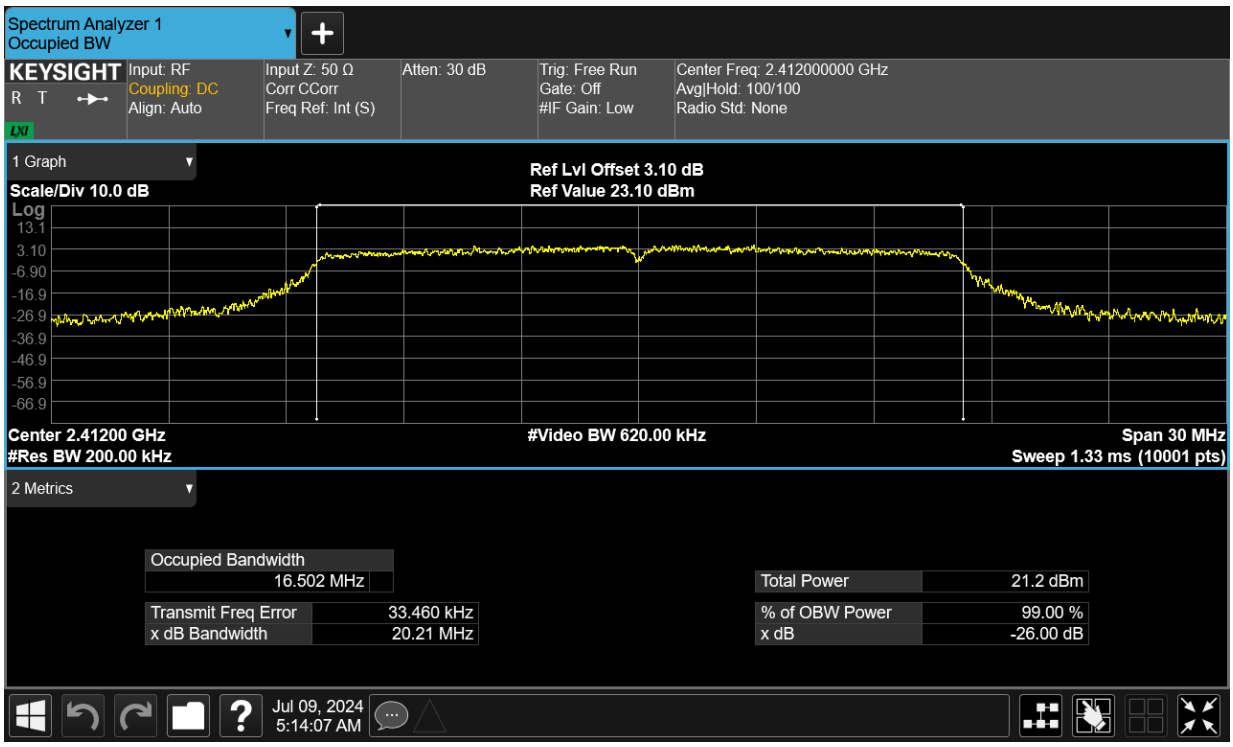
OBW NVNT b 2437MHz ANT13



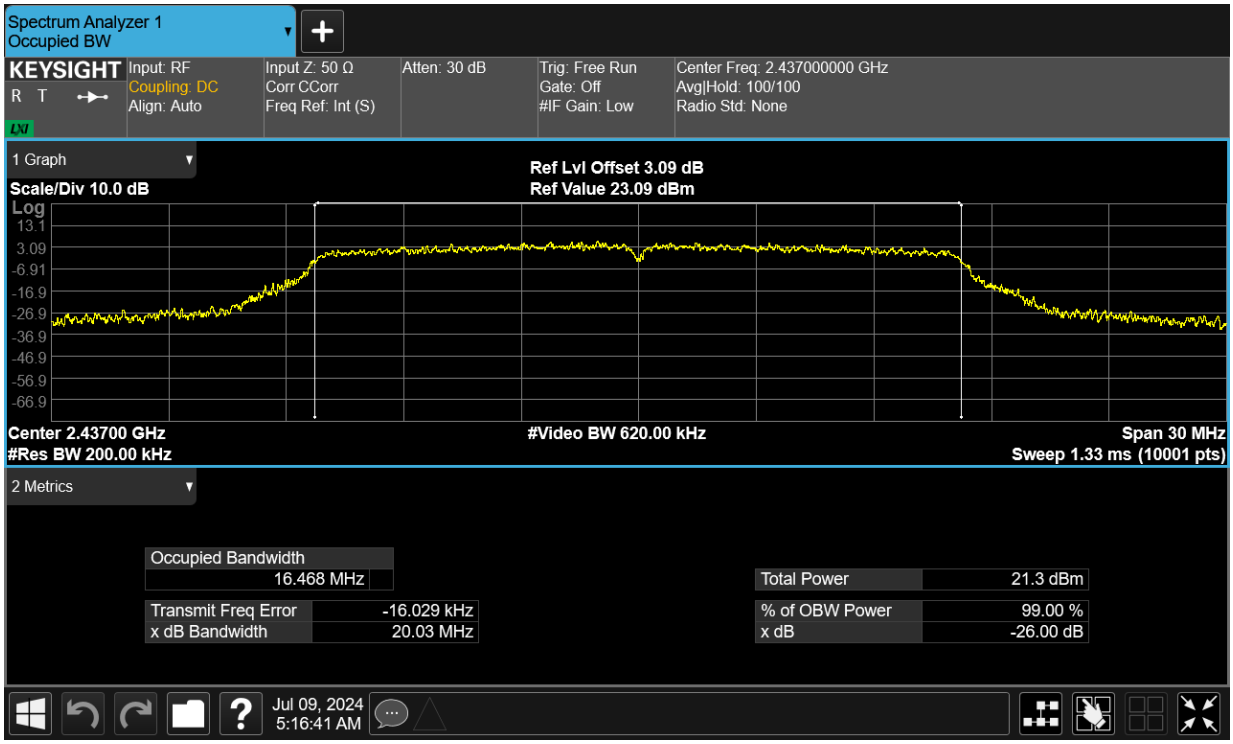
OBW NVNT b 2462MHz ANT13



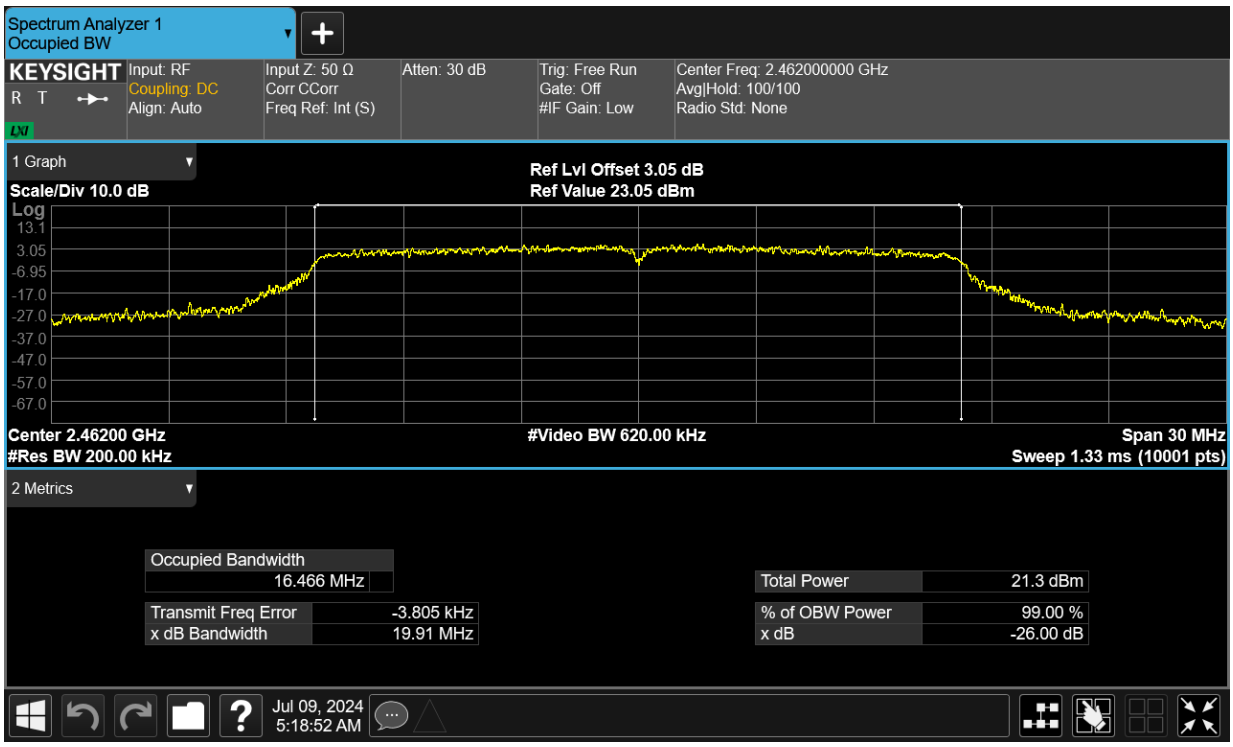
OBW NVNT g 2412MHz ANT13



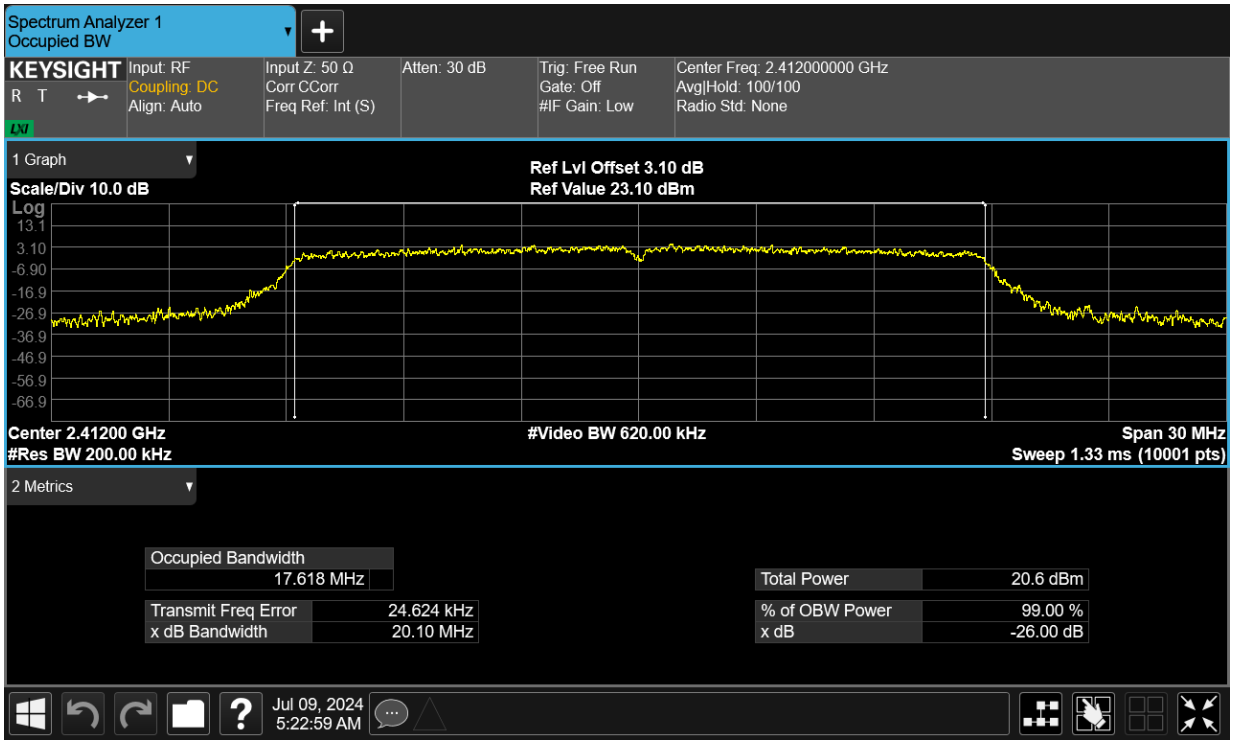
OBW NVNT g 2437MHz ANT13



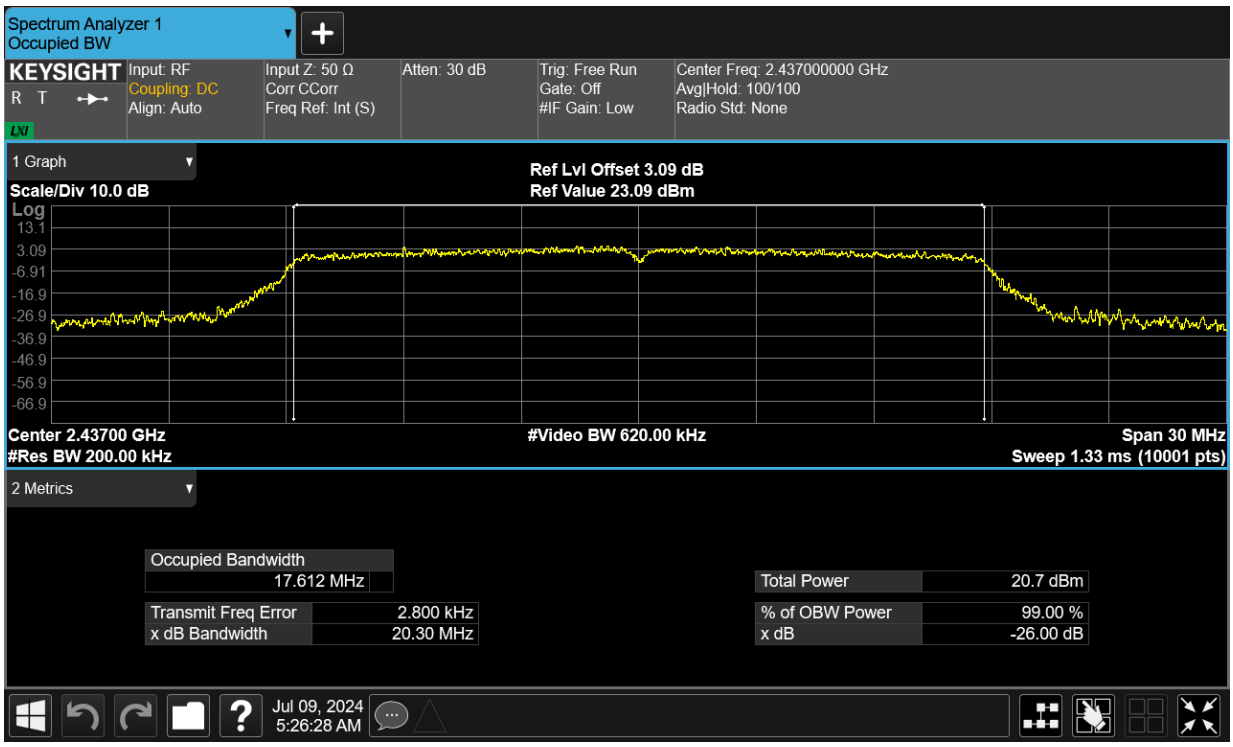
OBW NVNT g 2462MHz ANT13



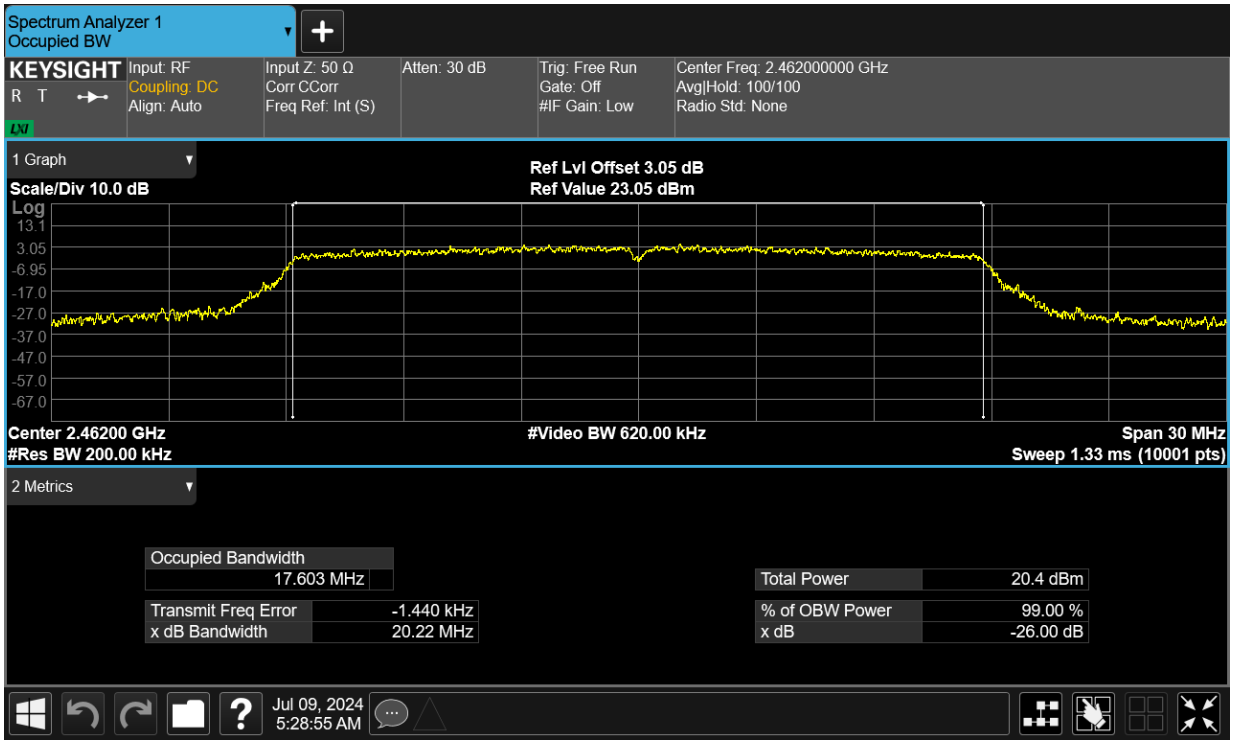
OBW NVNT n20 2412MHz ANT13



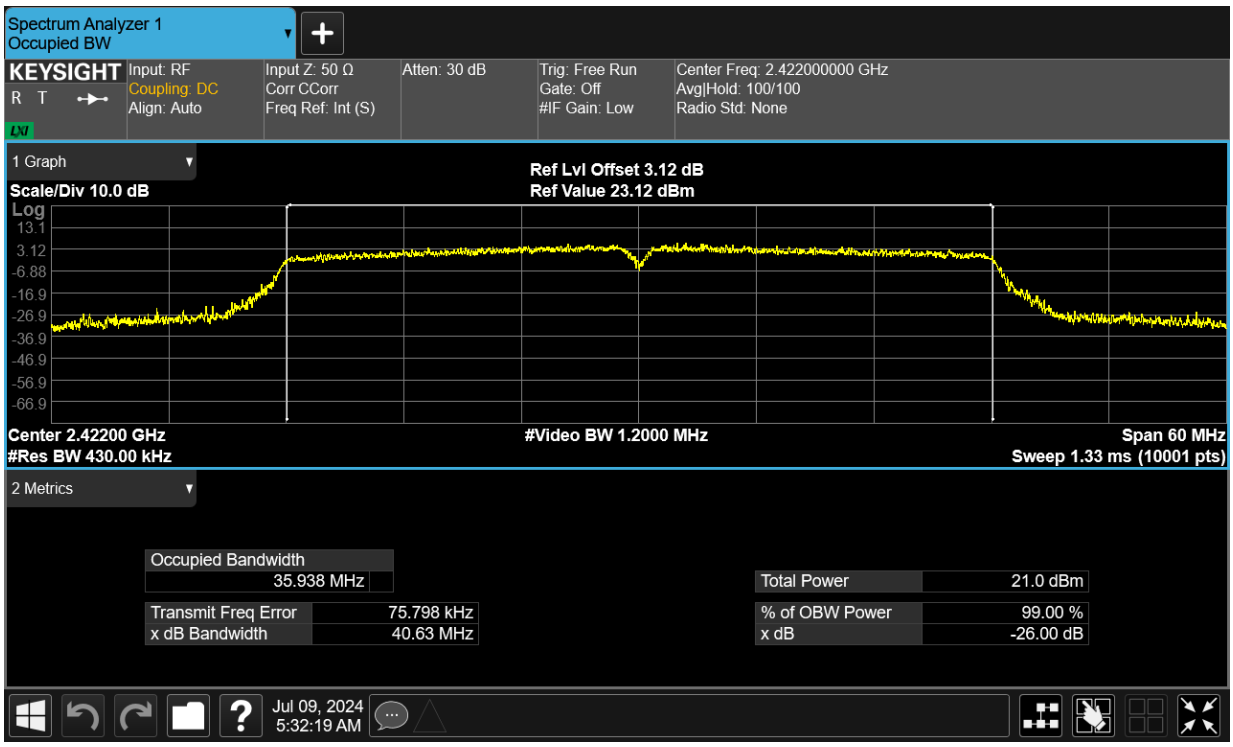
OBW NVNT n20 2437MHz ANT13



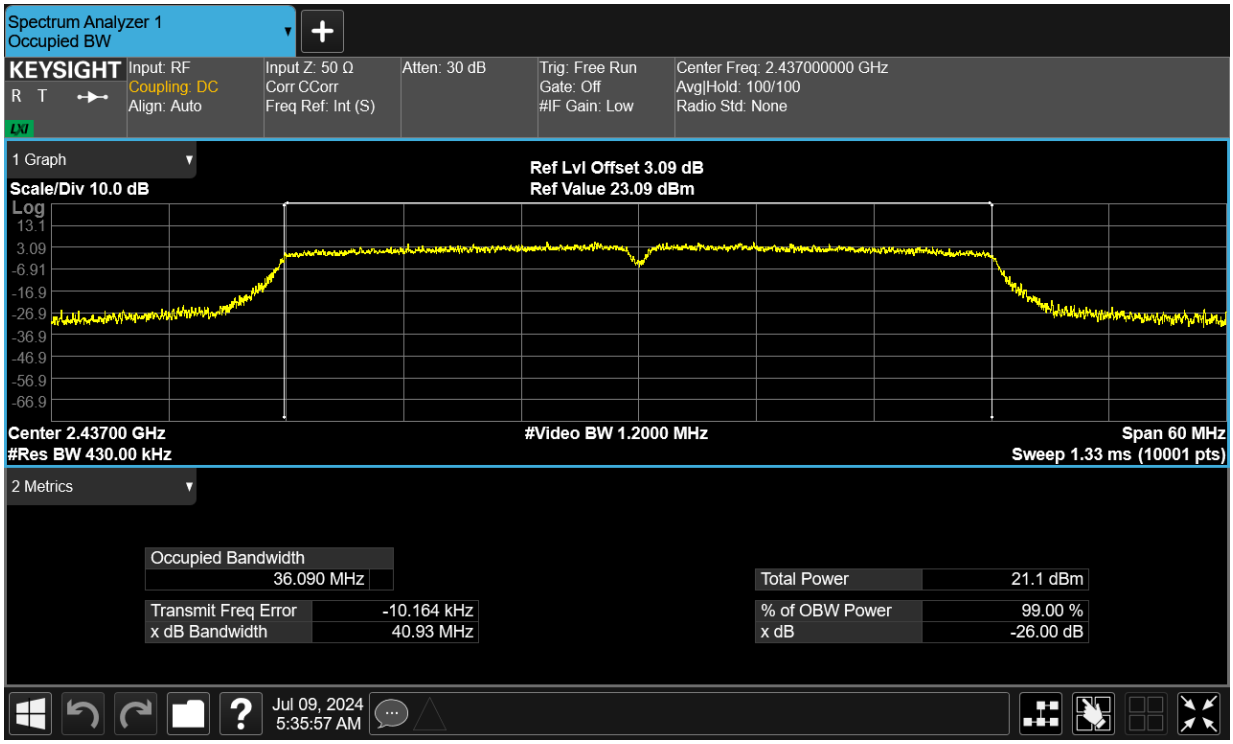
OBW NVNT n20 2462MHz ANT13



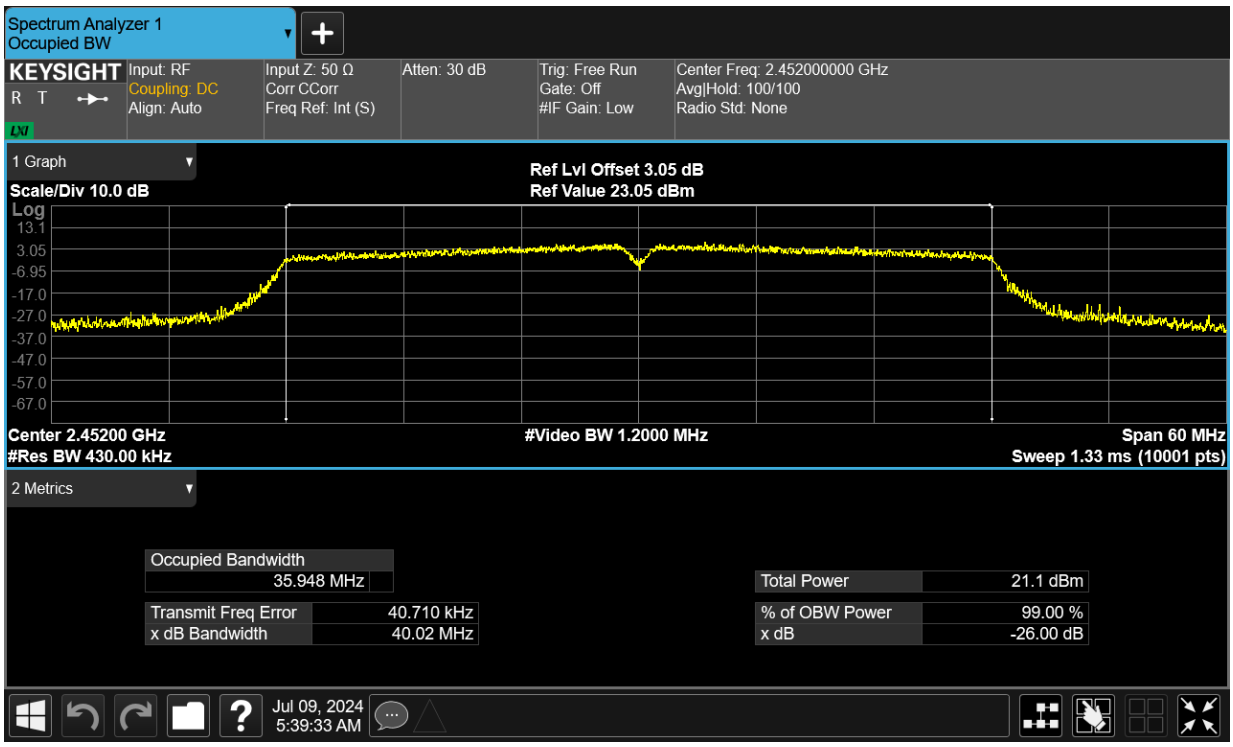
OBW NVNT n40 2422MHz ANT13



OBW NVNT n40 2437MHz ANT13



OBW NVNT n40 2452MHz ANT13

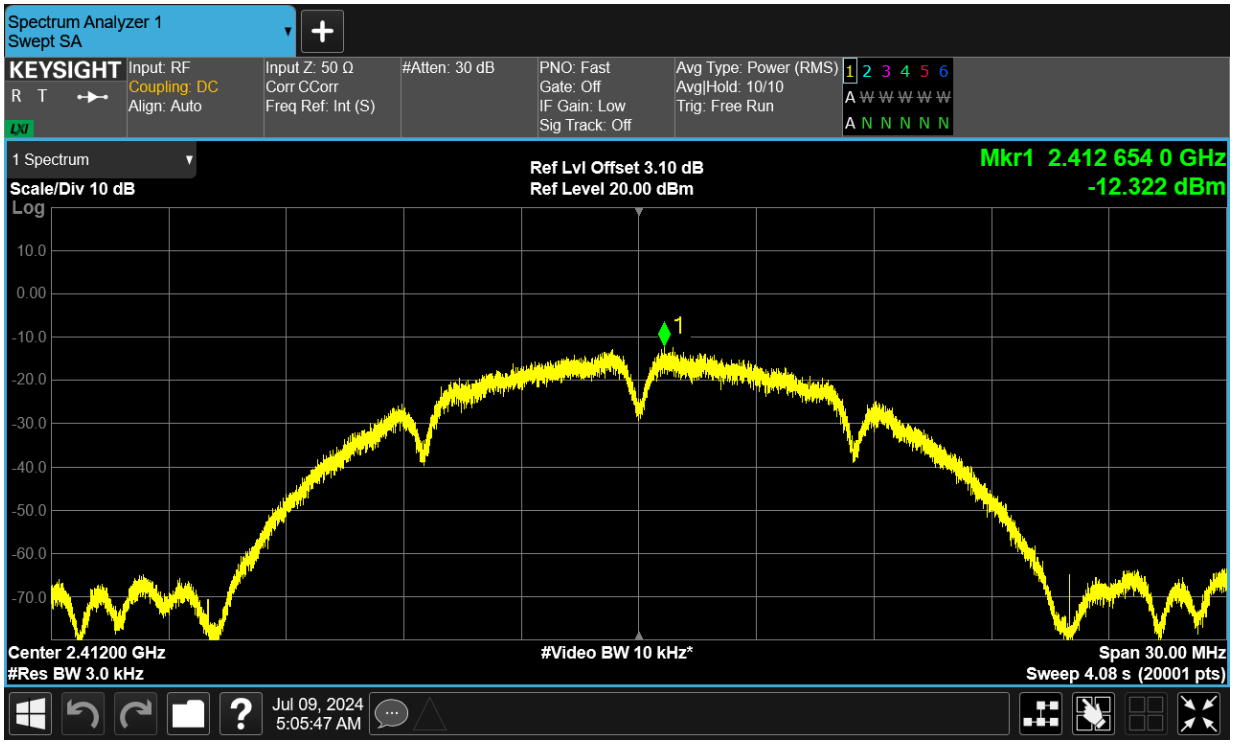


Maximum Power Spectral Density Level

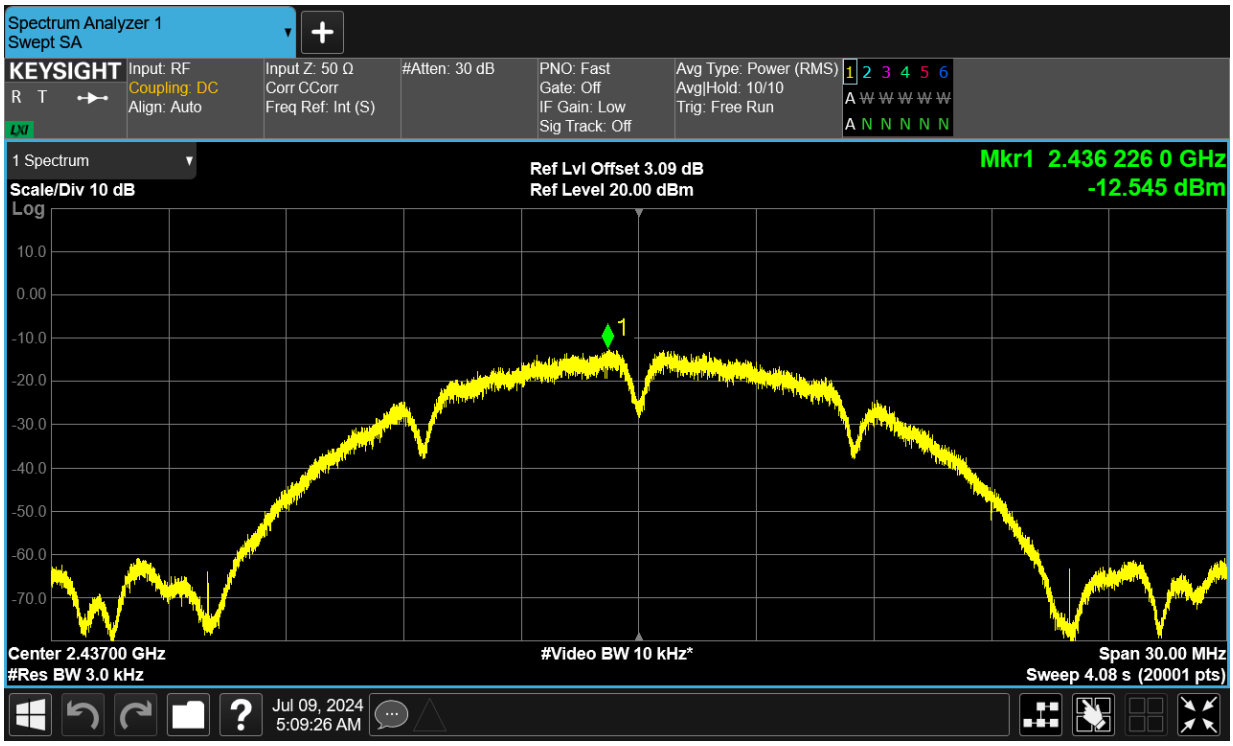
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT13	-12.322	8	Pass
NVNT	b	2437	ANT13	-12.545	8	Pass
NVNT	b	2462	ANT13	-12.022	8	Pass
NVNT	g	2412	ANT13	-15.963	8	Pass
NVNT	g	2437	ANT13	-16.069	8	Pass
NVNT	g	2462	ANT13	-15.938	8	Pass
NVNT	n20	2412	ANT13	-17.068	8	Pass
NVNT	n20	2437	ANT13	-16.472	8	Pass
NVNT	n20	2462	ANT13	-16.161	8	Pass
NVNT	n40	2422	ANT13	-18.632	8	Pass
NVNT	n40	2437	ANT13	-19.412	8	Pass
NVNT	n40	2452	ANT13	-19.135	8	Pass

Test Graphs

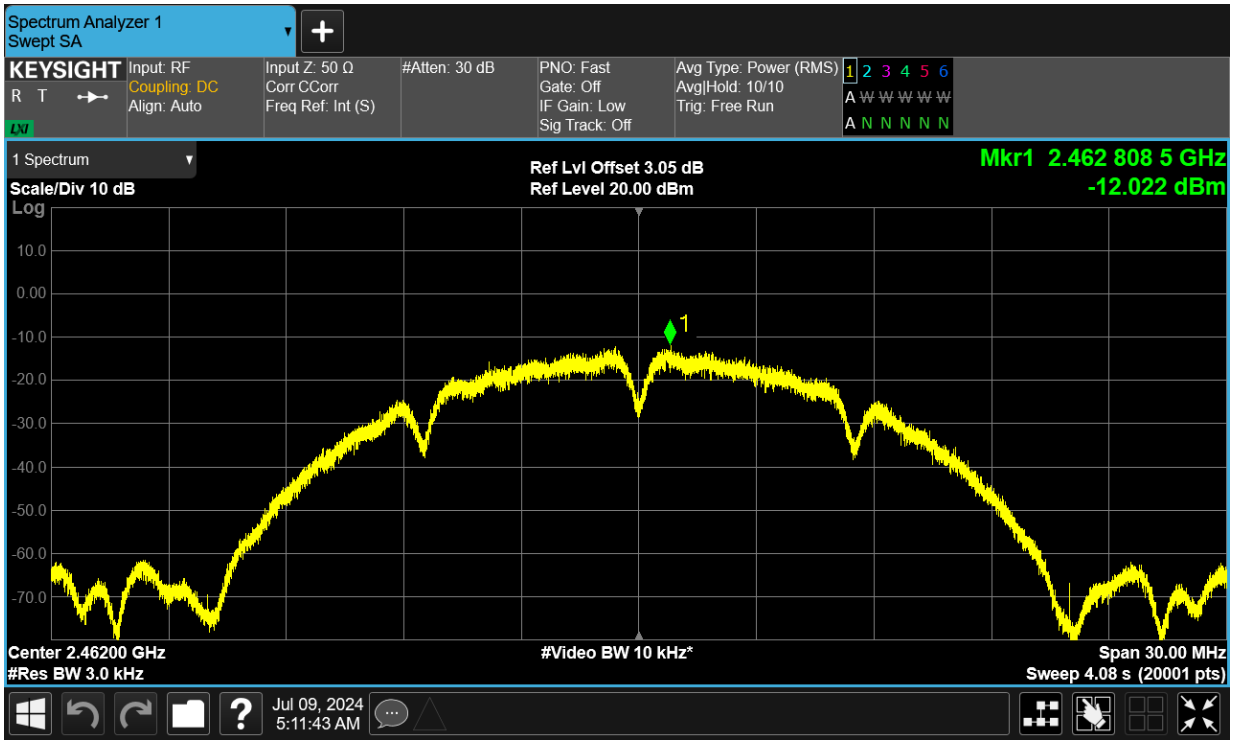
PSD NVNT b 2412MHz ANT13



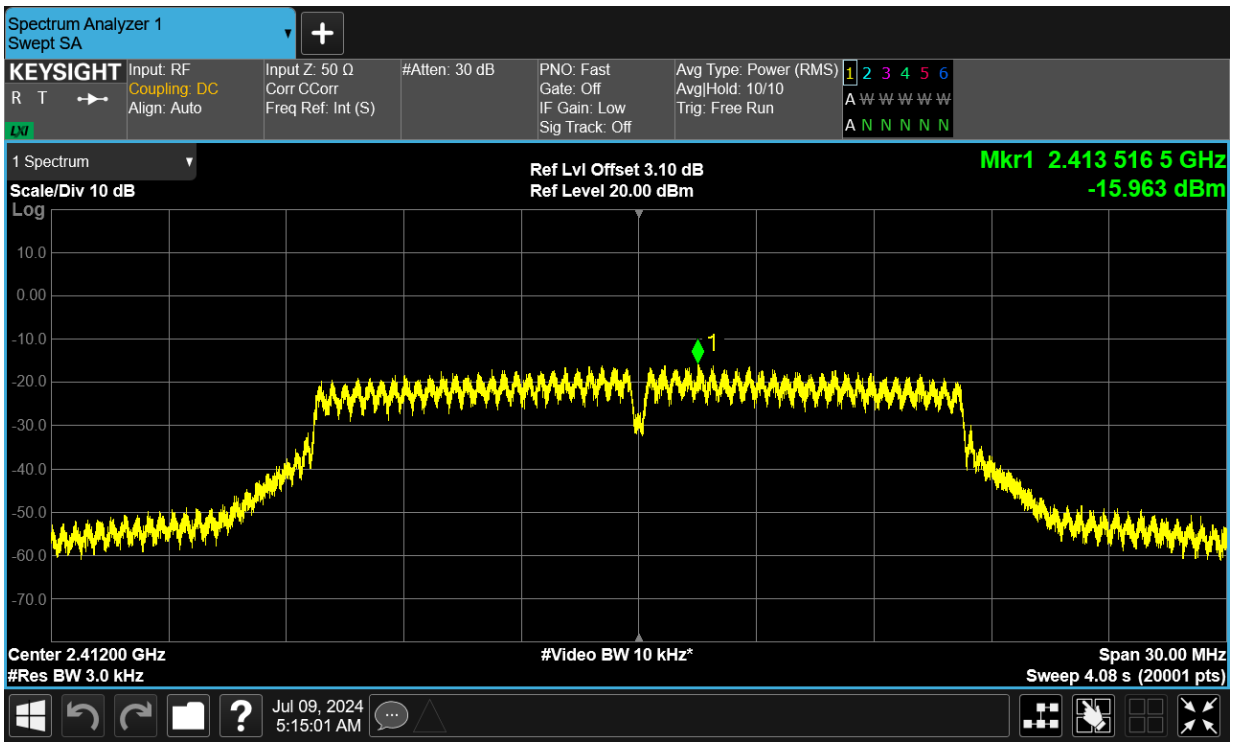
PSD NVNT b 2437MHz ANT13



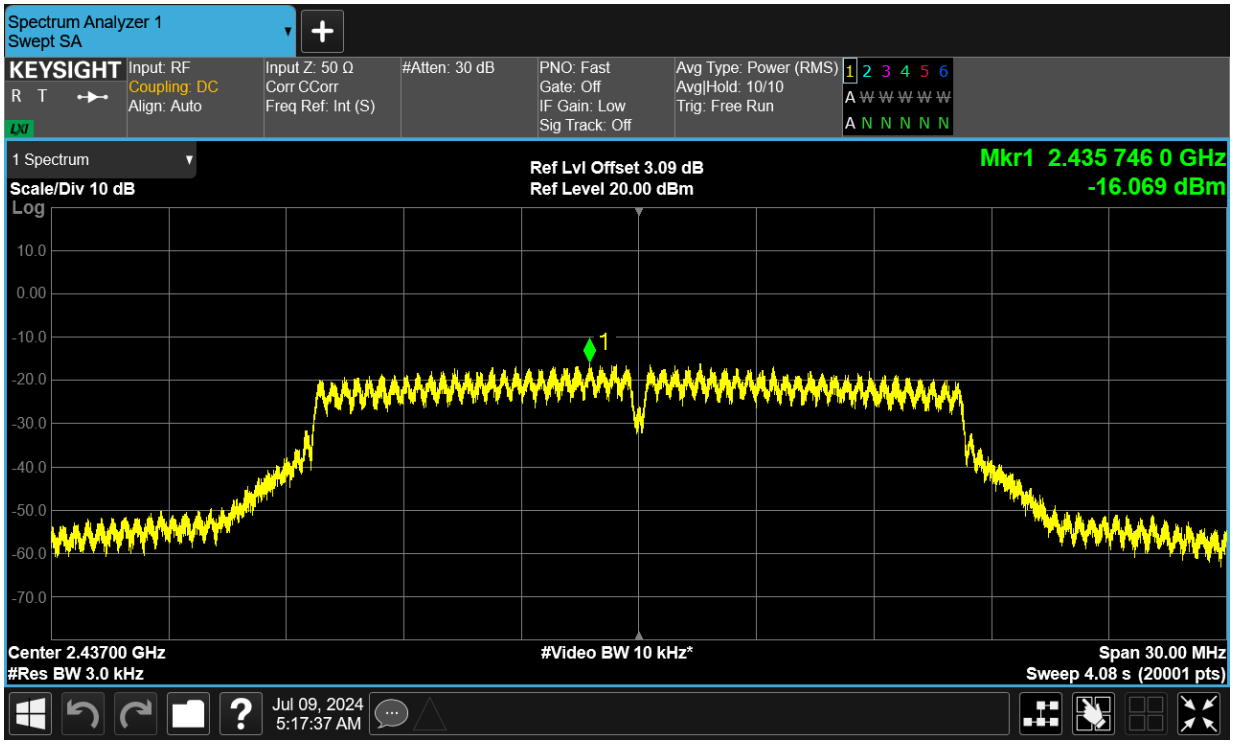
PSD NVNT b 2462MHz ANT13



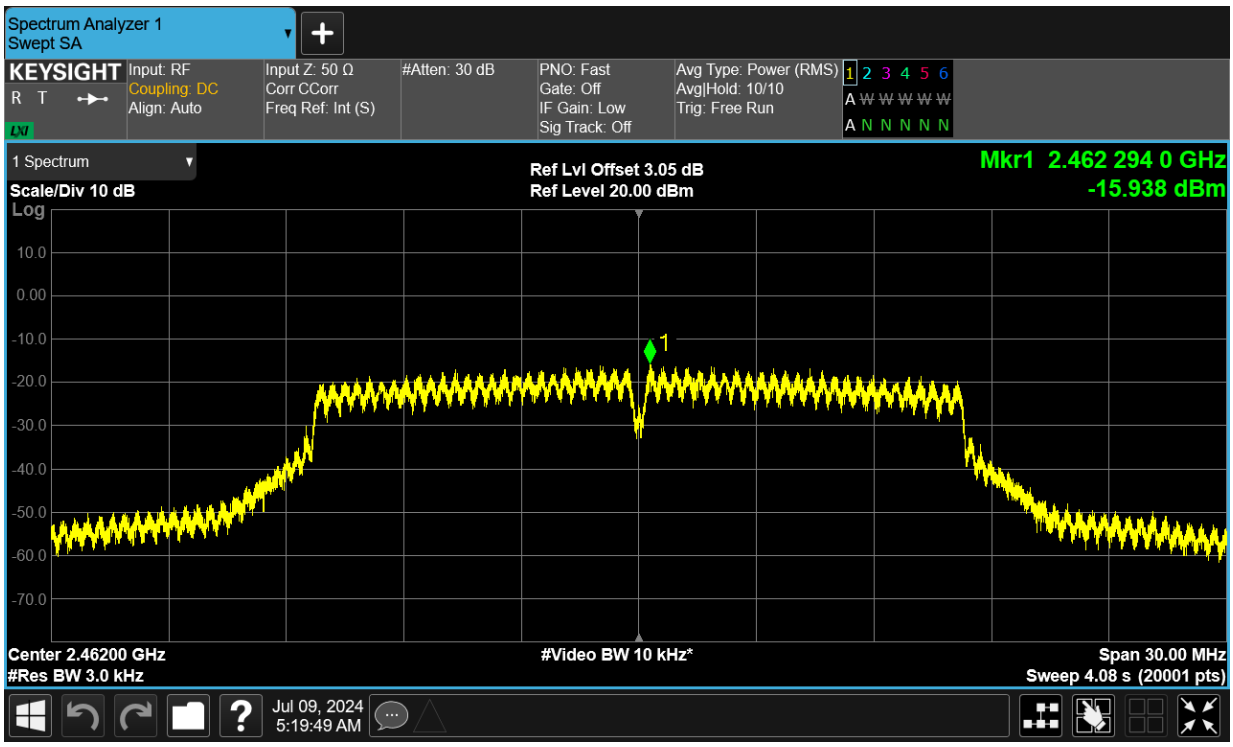
PSD NVNT g 2412MHz ANT13



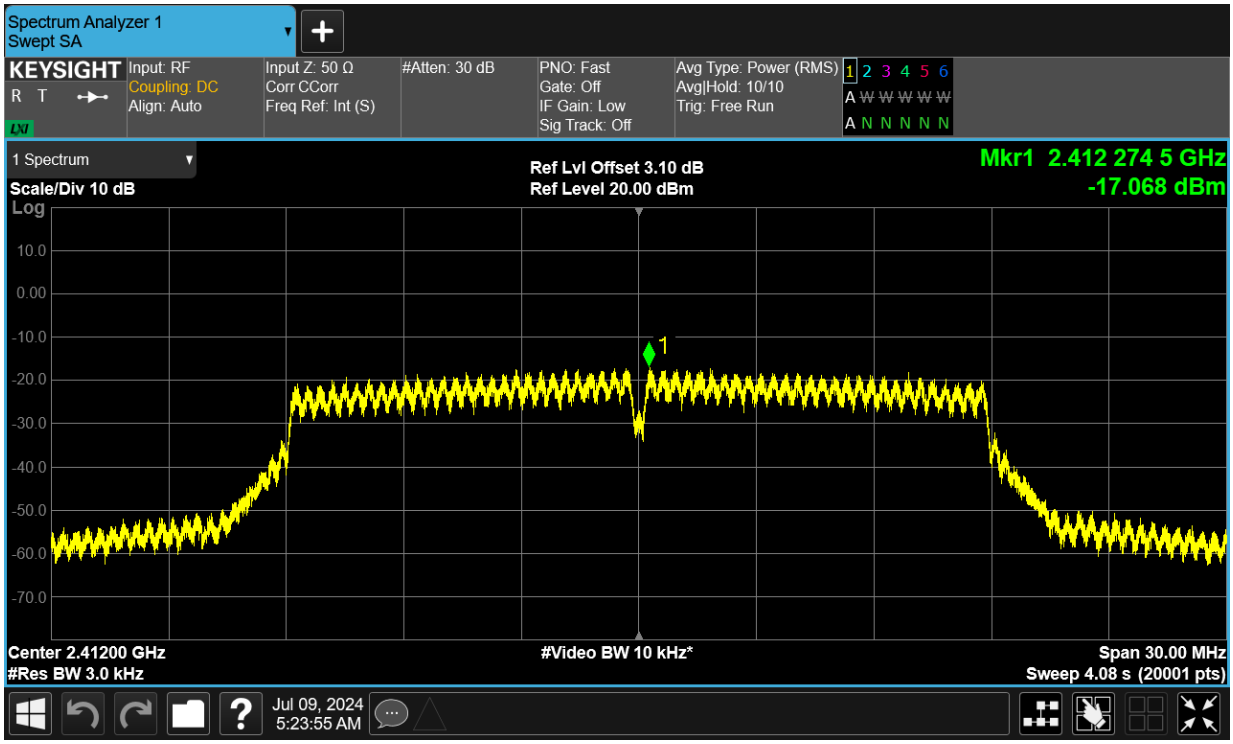
PSD NVNT g 2437MHz ANT13



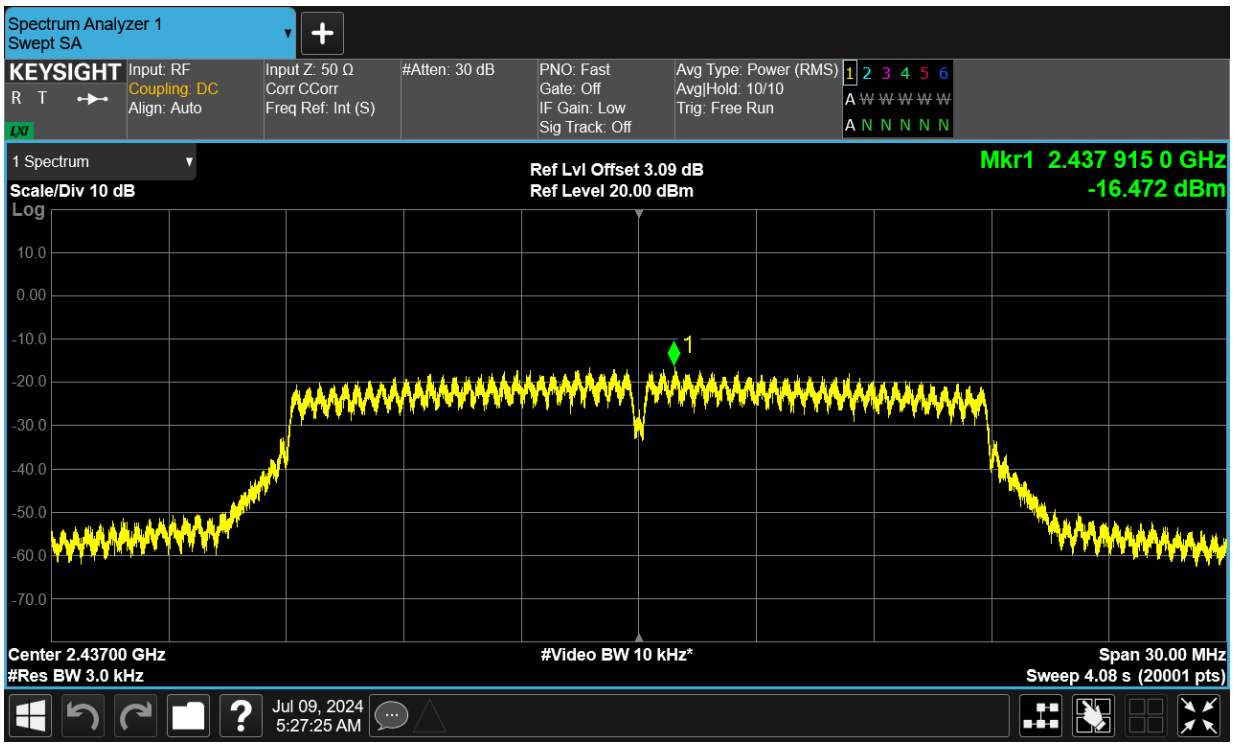
PSD NVNT g 2462MHz ANT13



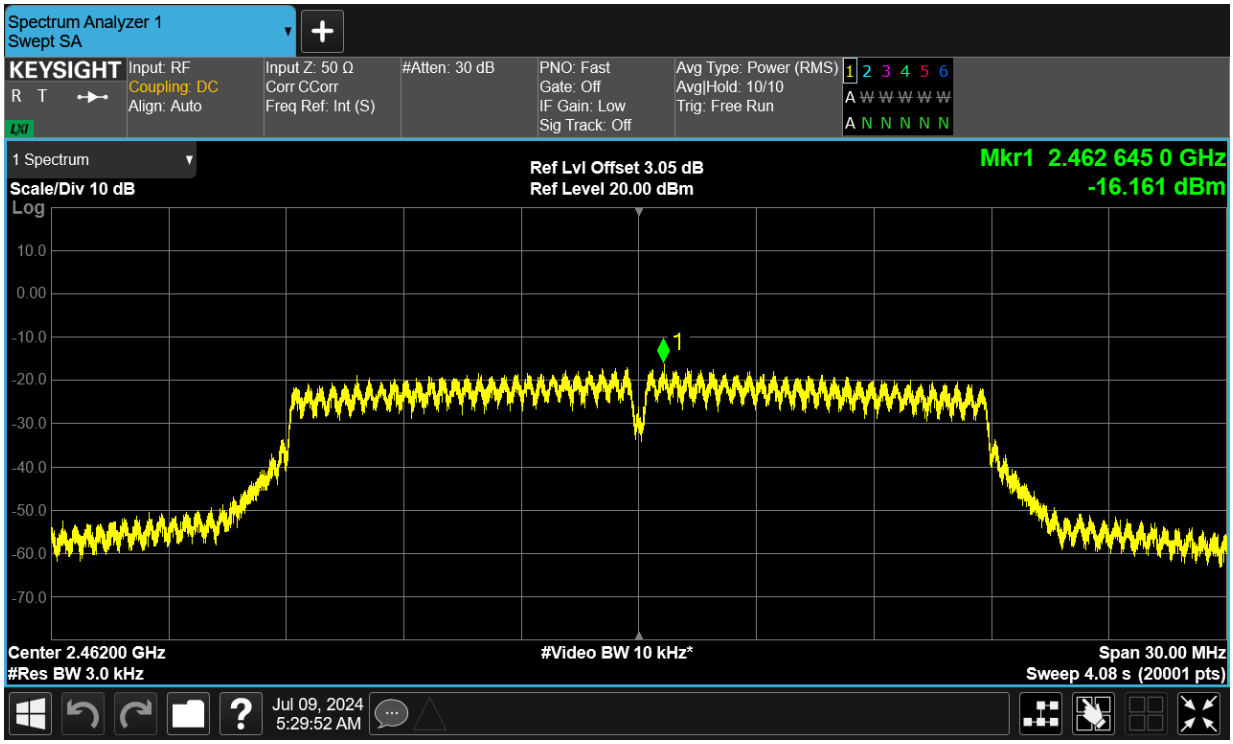
PSD NVNT n20 2412MHz ANT13



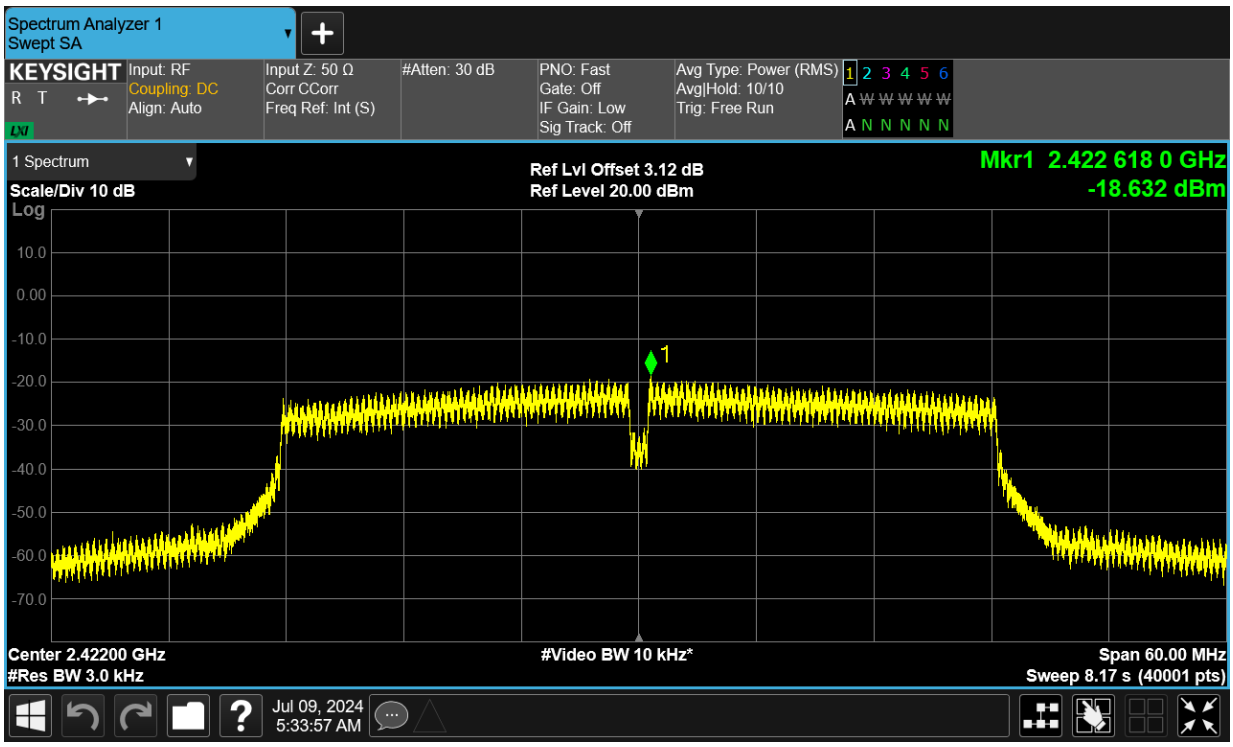
PSD NVNT n20 2437MHz ANT13



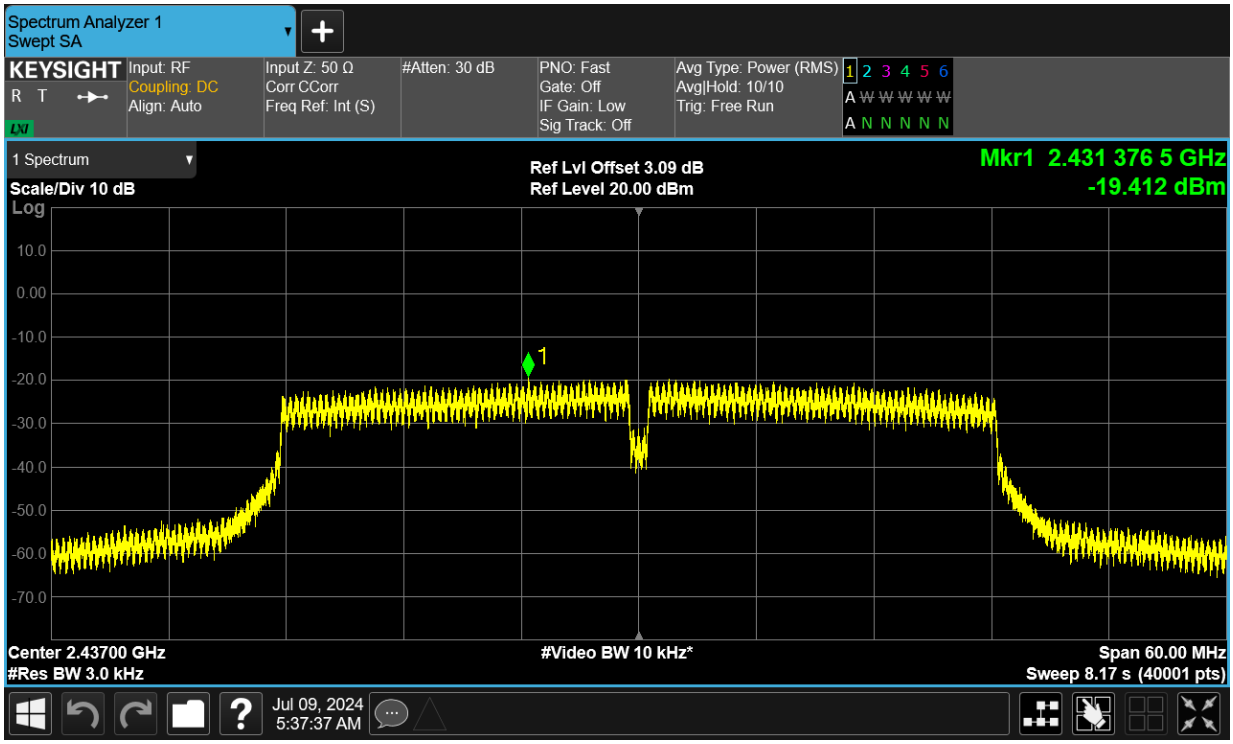
PSD NVNT n20 2462MHz ANT13



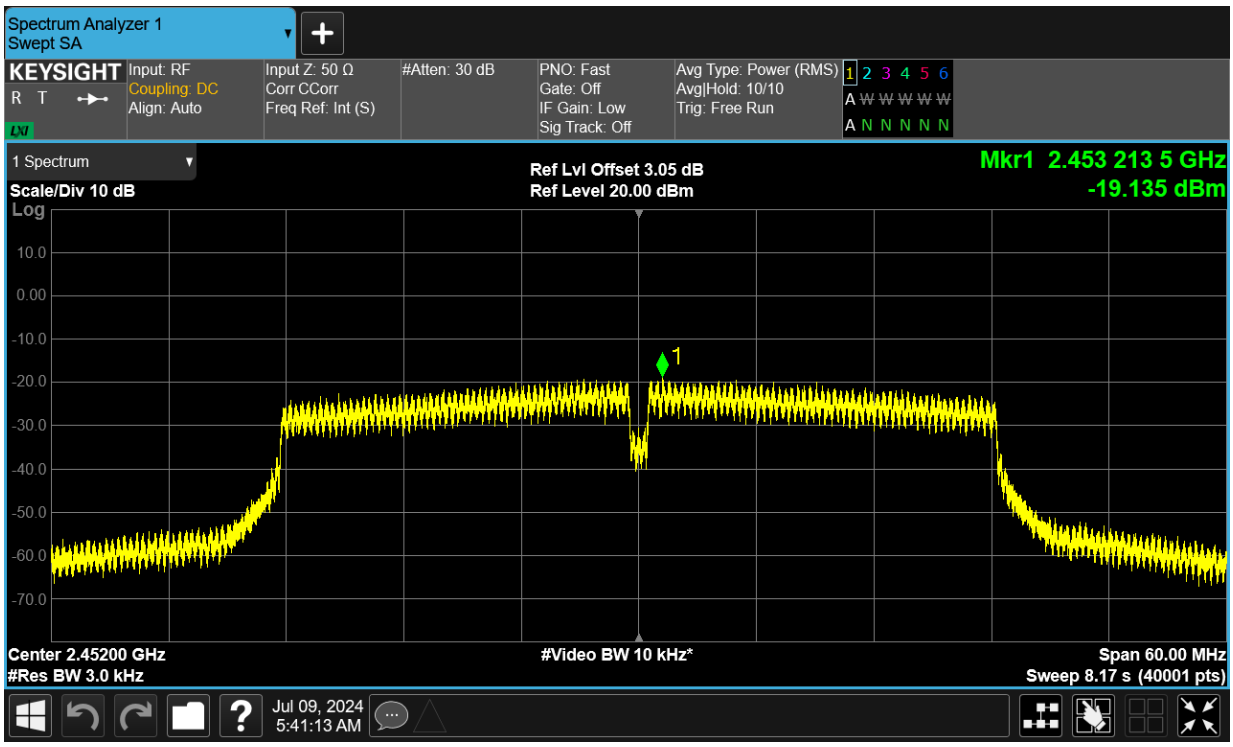
PSD NVNT n40 2422MHz ANT13



PSD NVNT n40 2437MHz ANT13



PSD NVNT n40 2452MHz ANT13

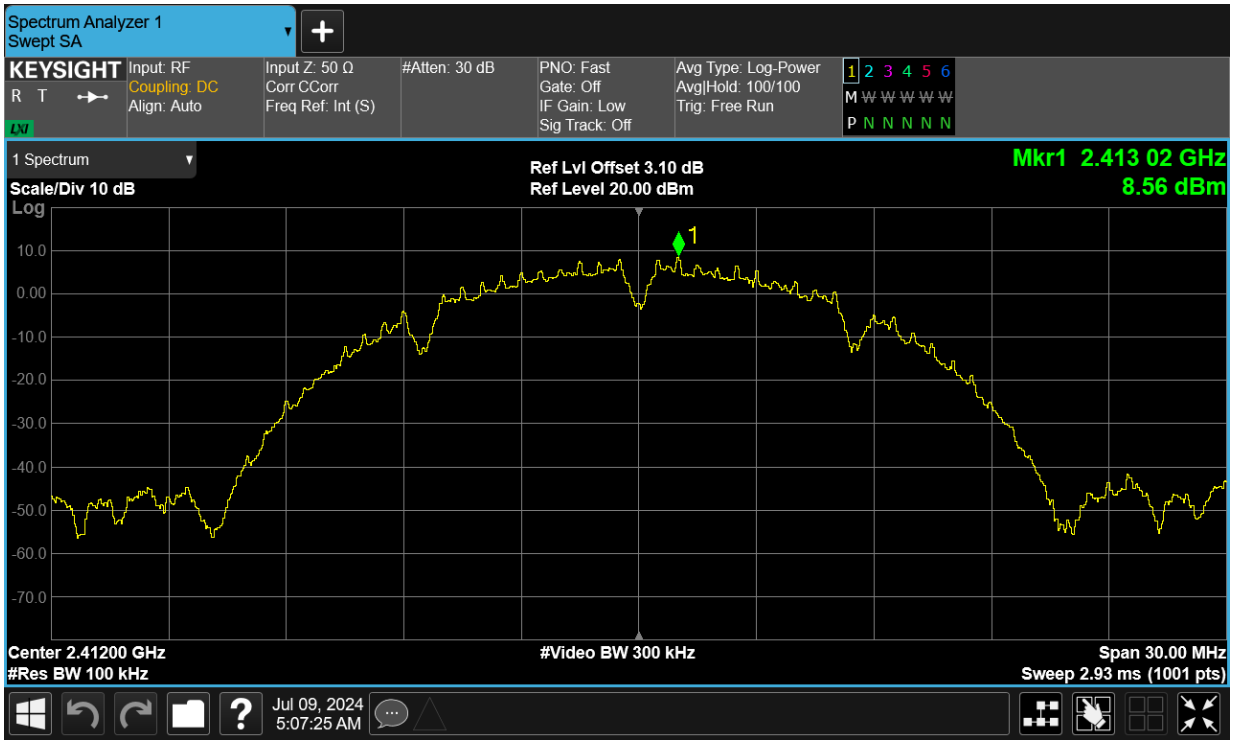


Band Edge

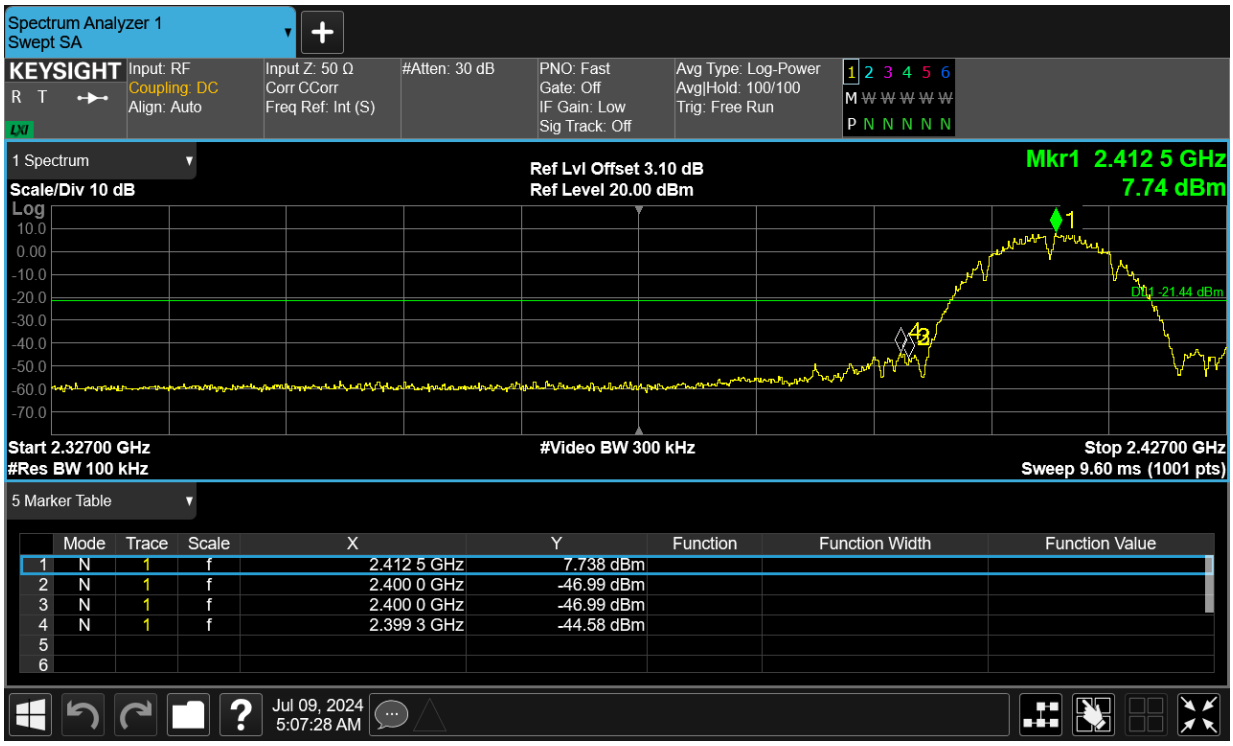
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT13	-53.14	-30	Pass
NVNT	b	2462	ANT13	-62.18	-30	Pass
NVNT	g	2412	ANT13	-30.35	-30	Pass
NVNT	g	2462	ANT13	-46.62	-30	Pass
NVNT	n20	2412	ANT13	-30.67	-30	Pass
NVNT	n20	2462	ANT13	-44.91	-30	Pass
NVNT	n40	2422	ANT13	-30.86	-30	Pass
NVNT	n40	2452	ANT13	-35.61	-30	Pass

Test Graphs

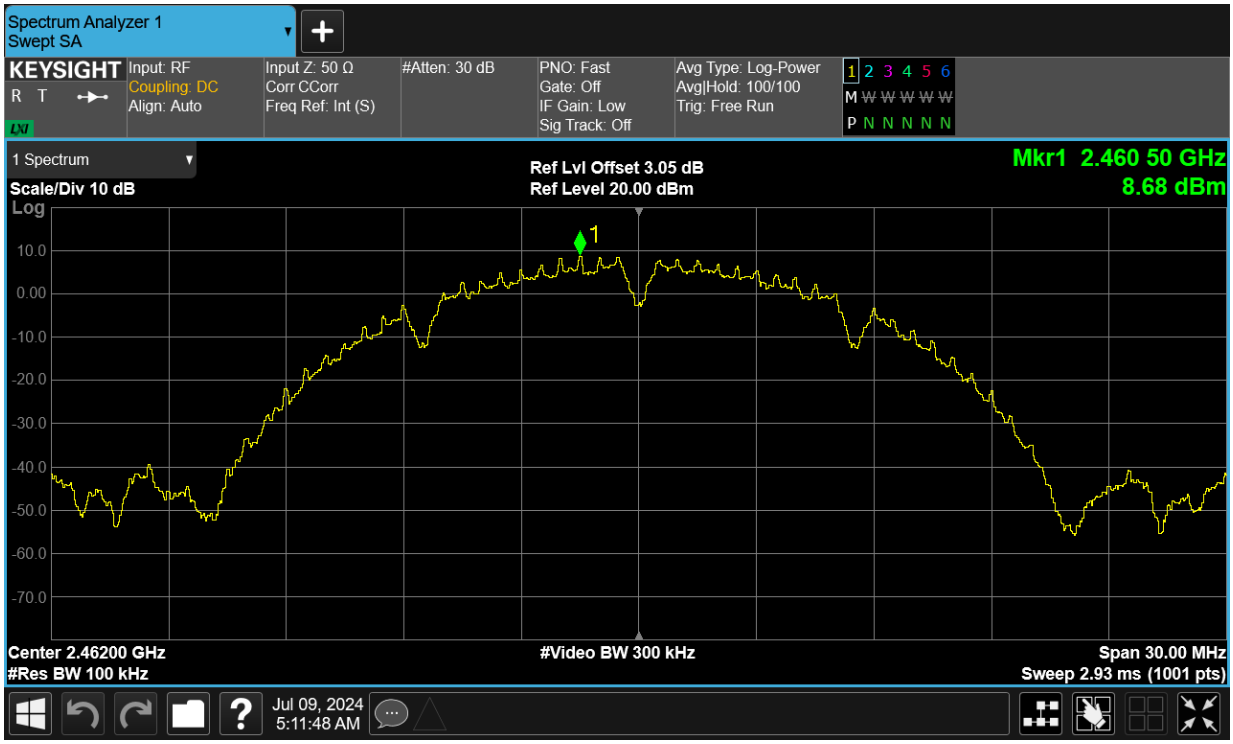
Band Edge NVNT b 2412MHz ANT13 Ref



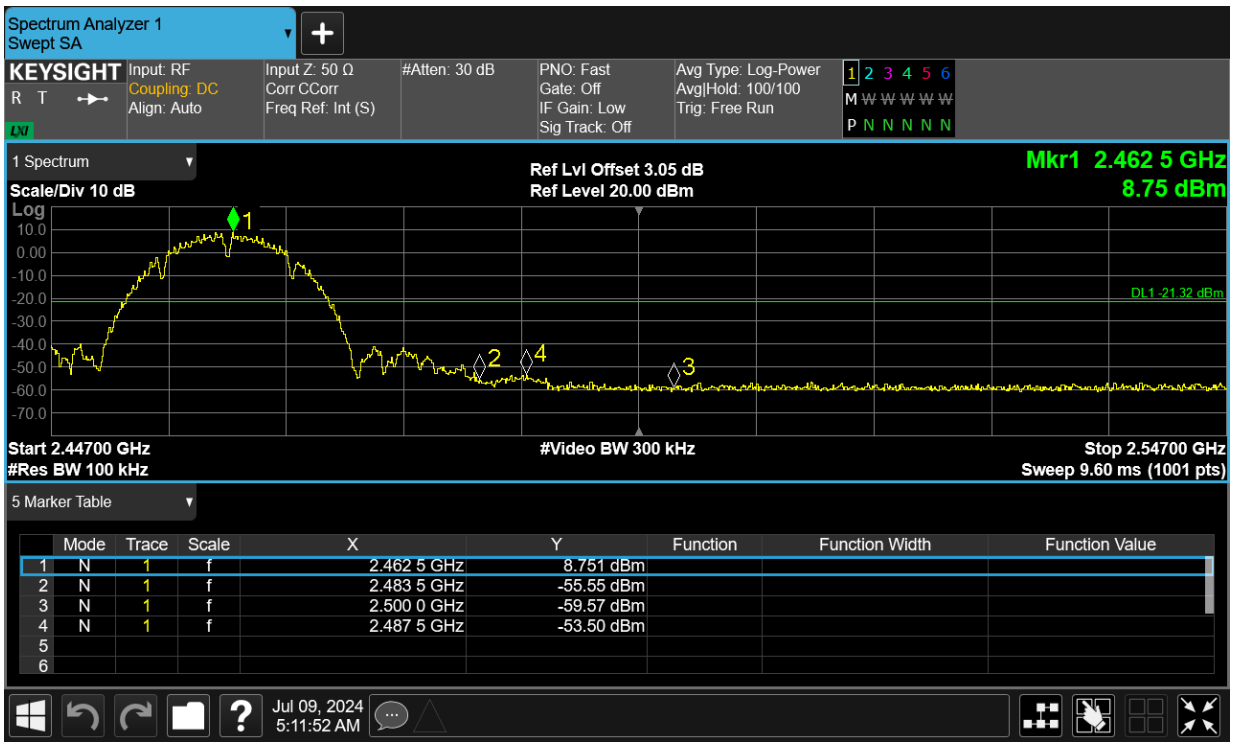
Band Edge NVNT b 2412MHz ANT13 Emission



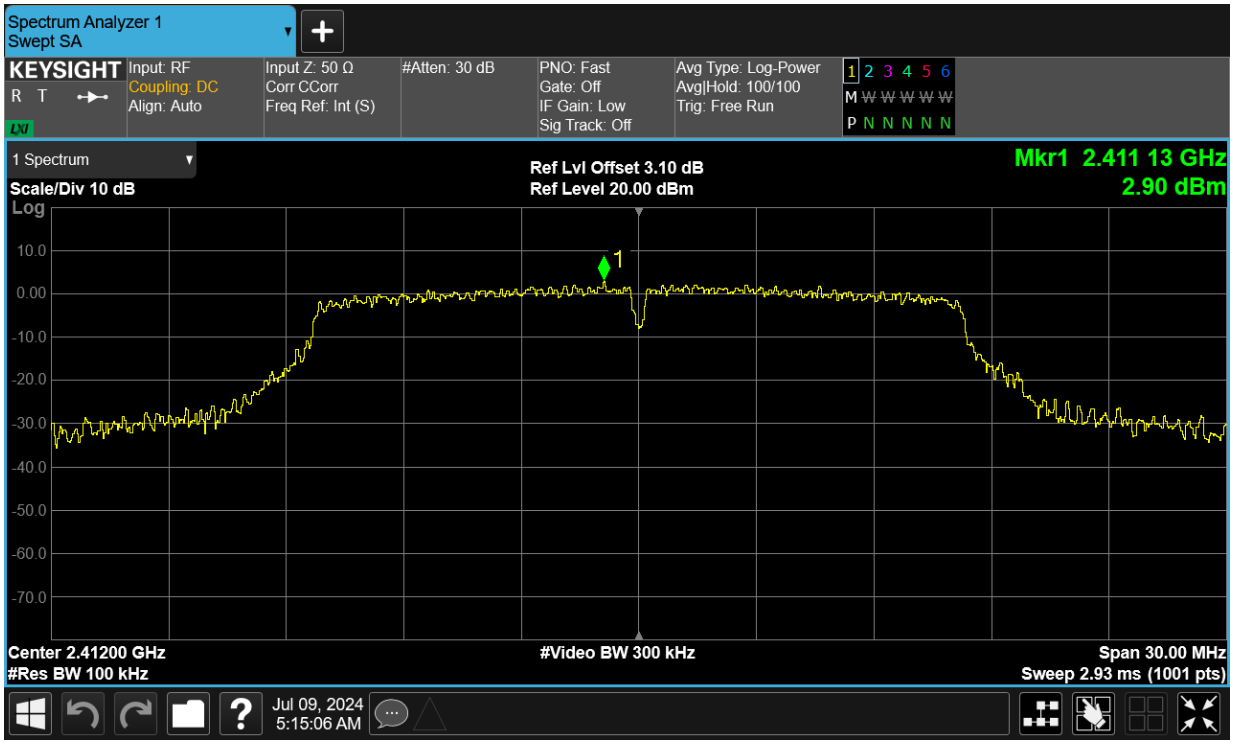
Band Edge NVNT b 2462MHz ANT13 Ref



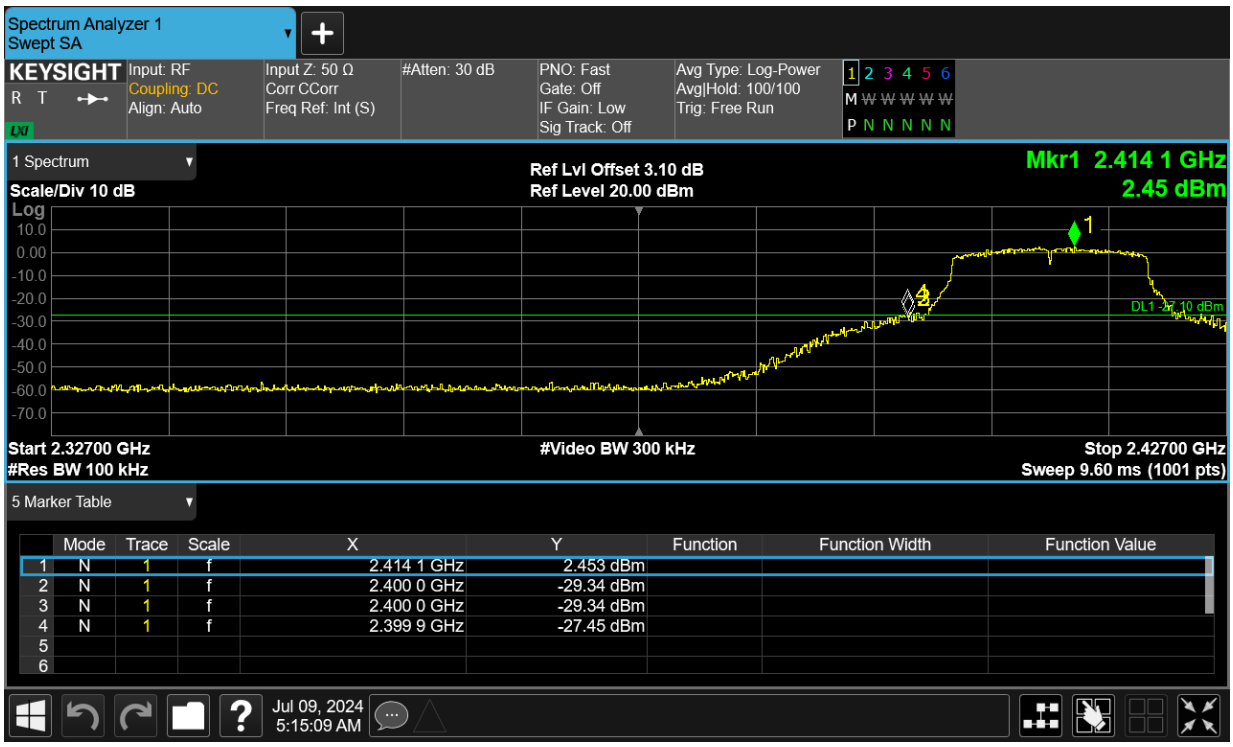
Band Edge NVNT b 2462MHz ANT13 Emission



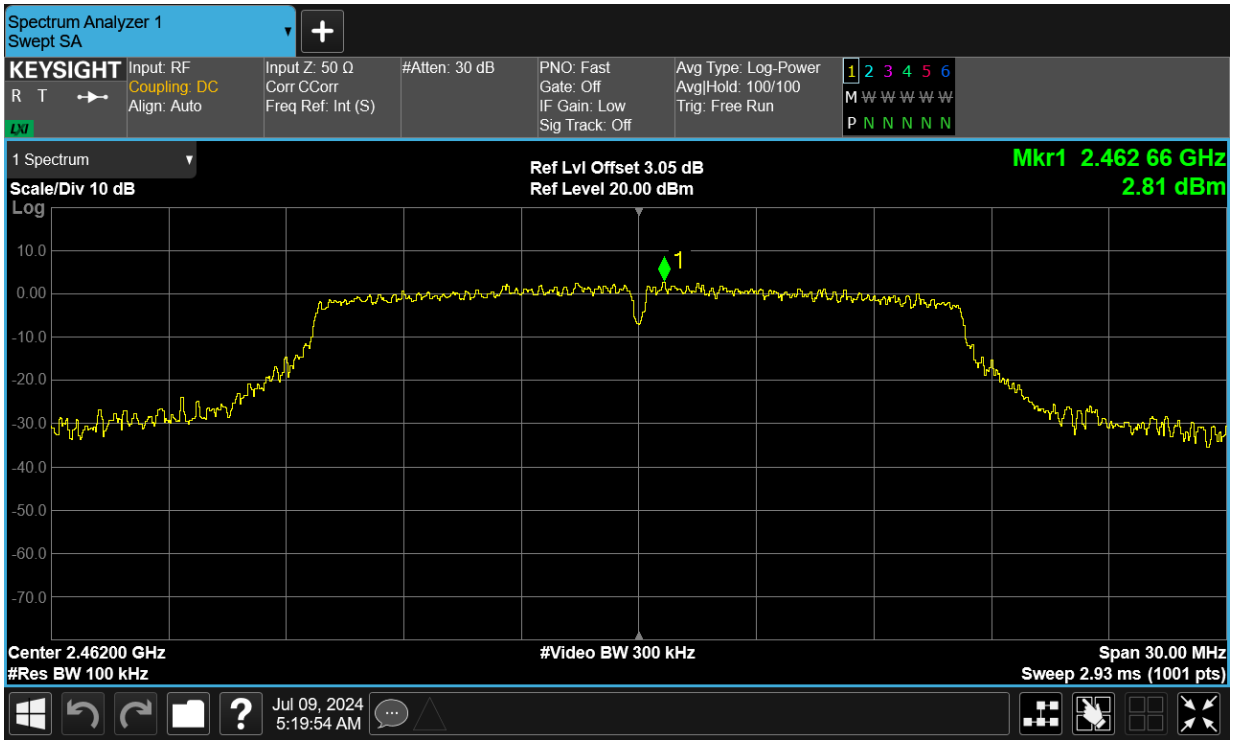
Band Edge NVNT g 2412MHz ANT13 Ref



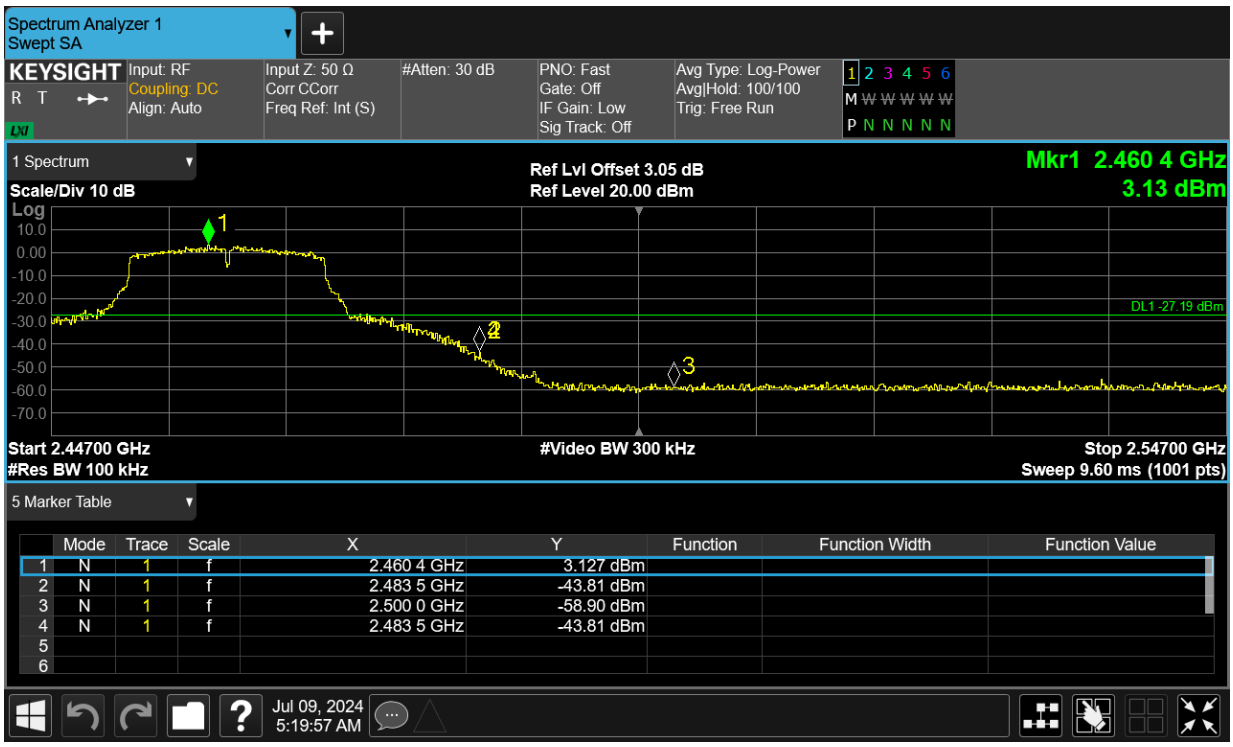
Band Edge NVNT g 2412MHz ANT13 Emission



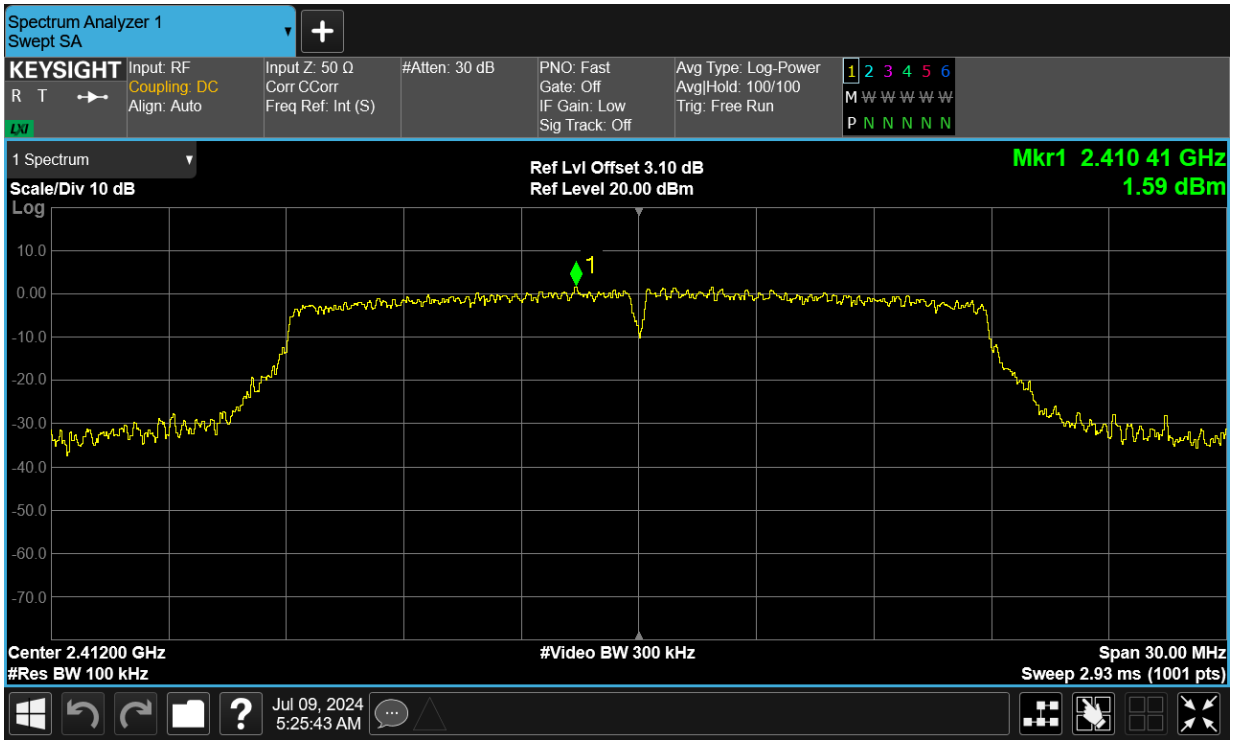
Band Edge NVNT g 2462MHz ANT13 Ref



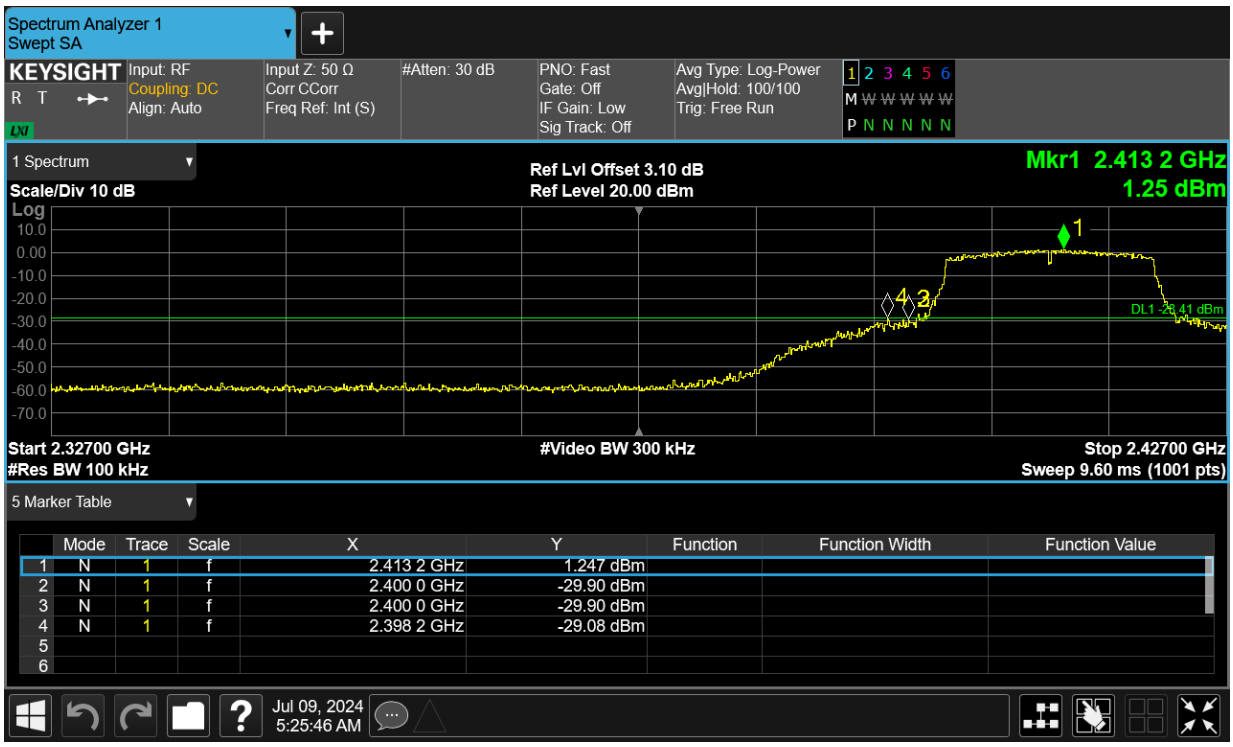
Band Edge NVNT g 2462MHz ANT13 Emission



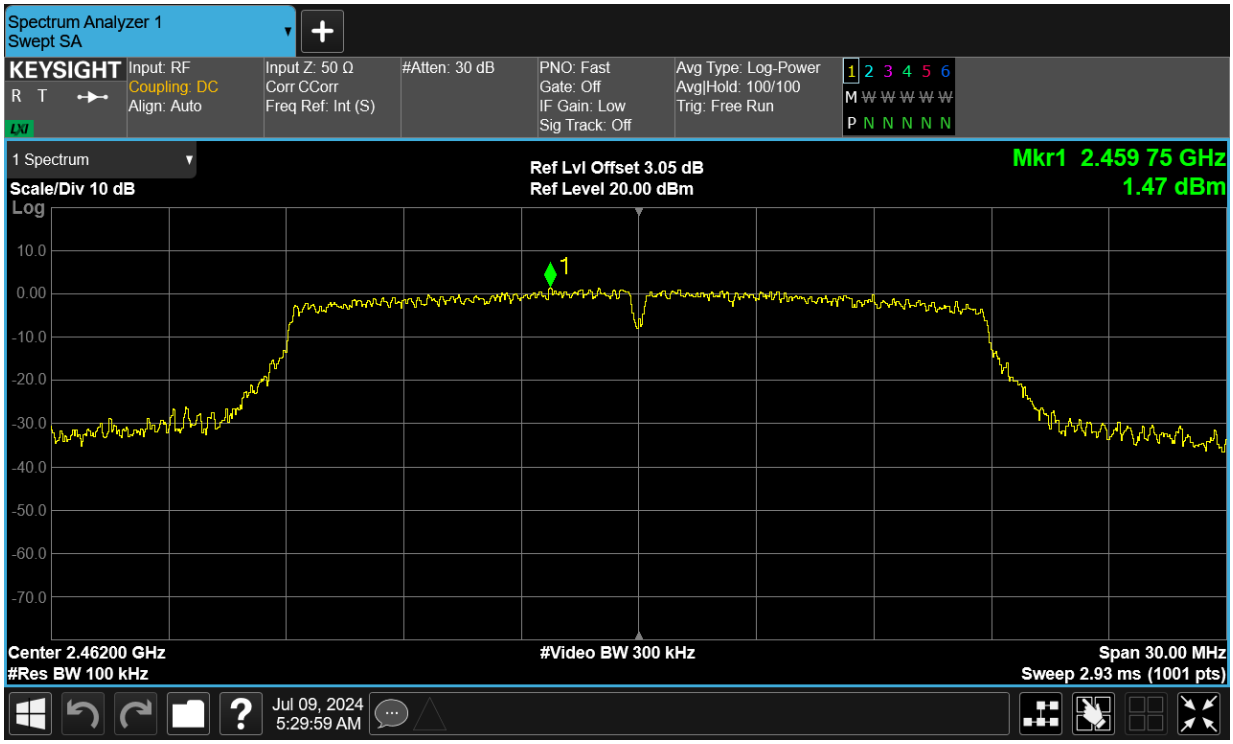
Band Edge NVNT n20 2412MHz ANT13 Ref



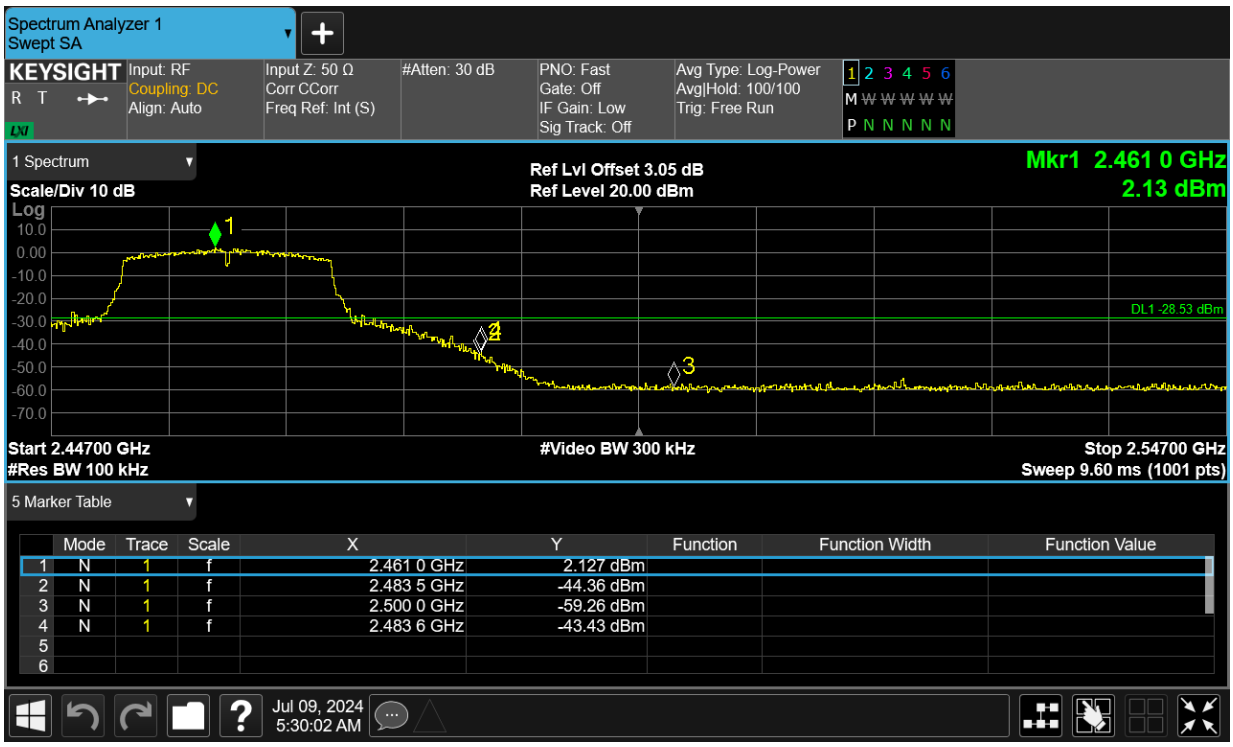
Band Edge NVNT n20 2412MHz ANT13 Emission



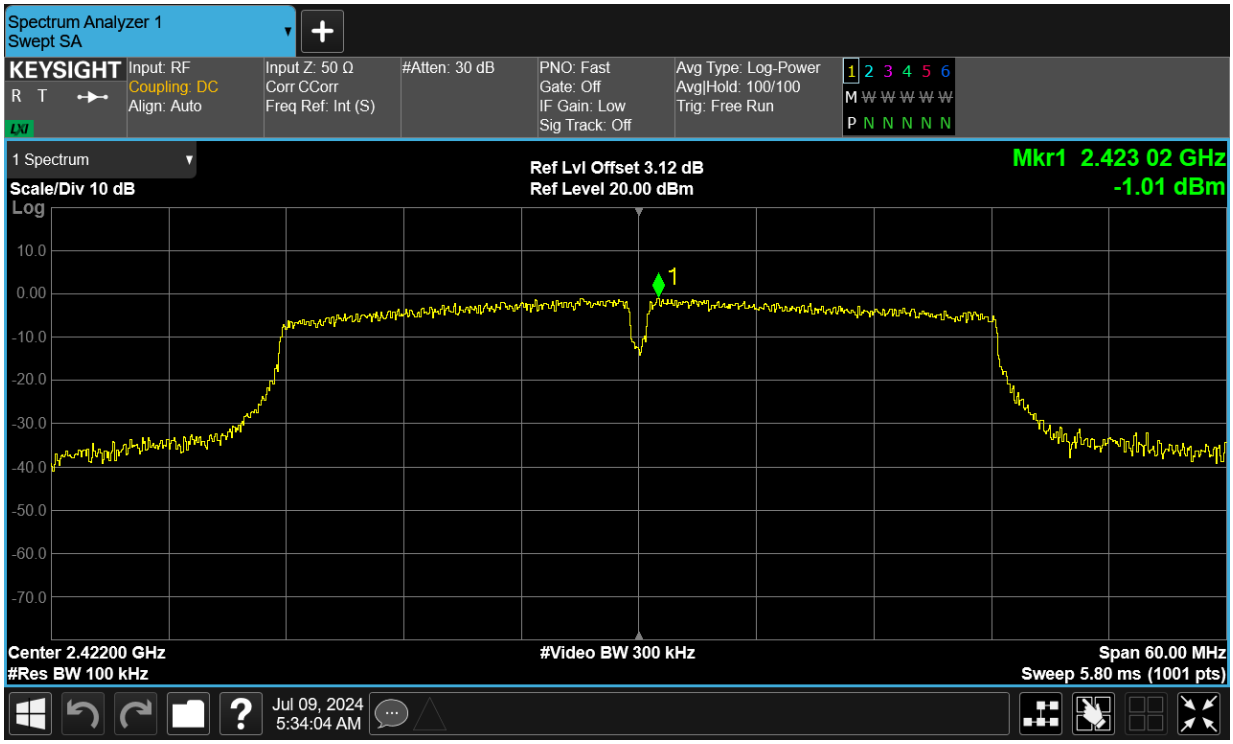
Band Edge NVNT n20 2462MHz ANT13 Ref



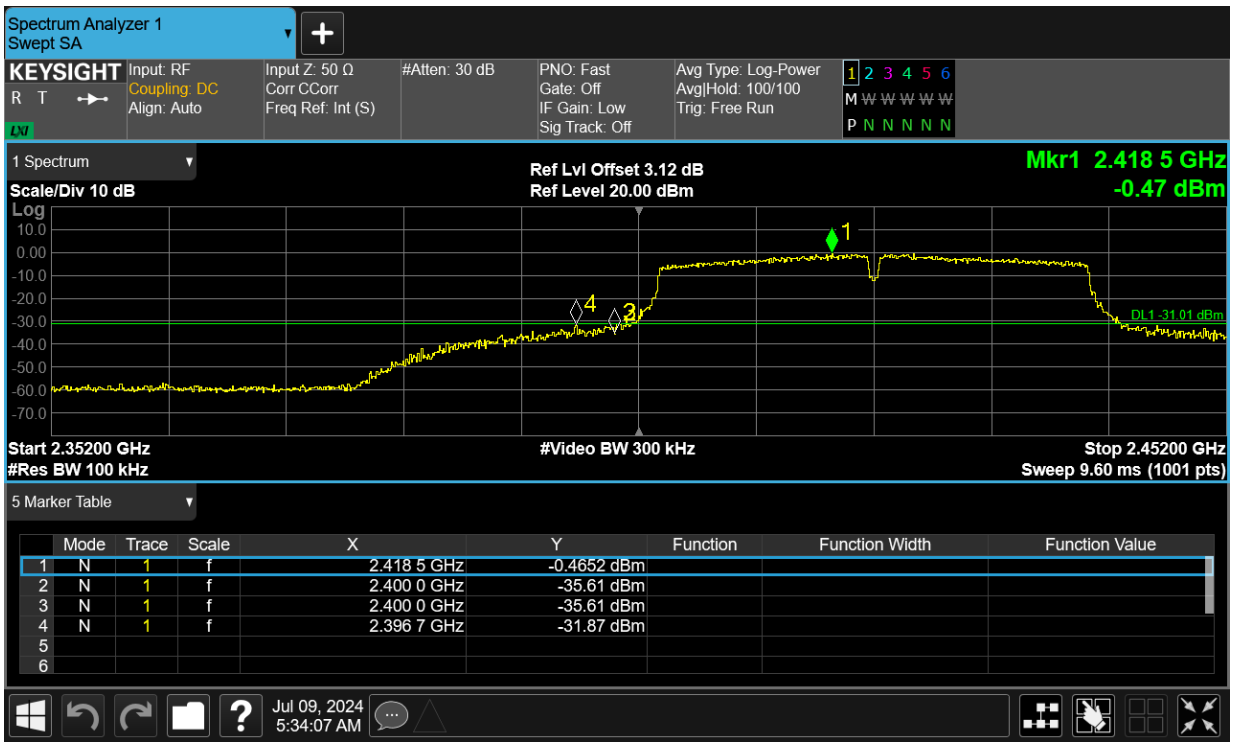
Band Edge NVNT n20 2462MHz ANT13 Emission



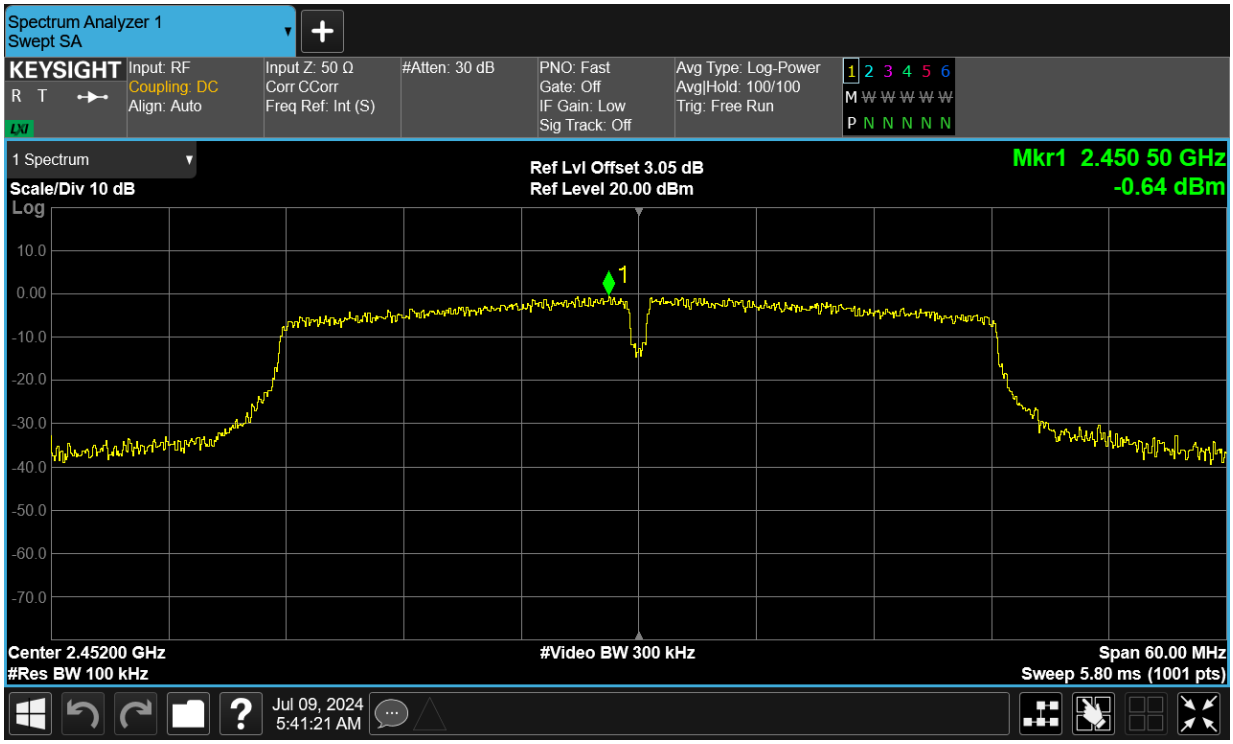
Band Edge NVNT n40 2422MHz ANT13 Ref



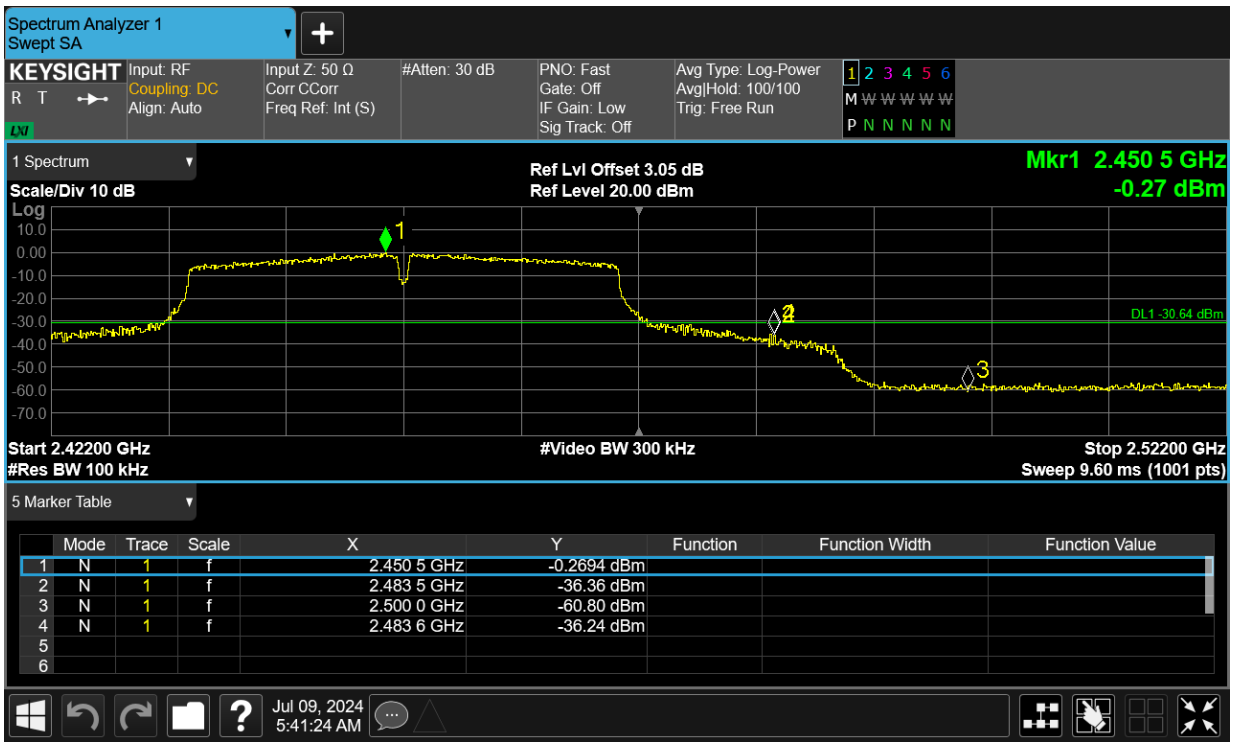
Band Edge NVNT n40 2422MHz ANT13 Emission



Band Edge NVNT n40 2452MHz ANT13 Ref



Band Edge NVNT n40 2452MHz ANT13 Emission

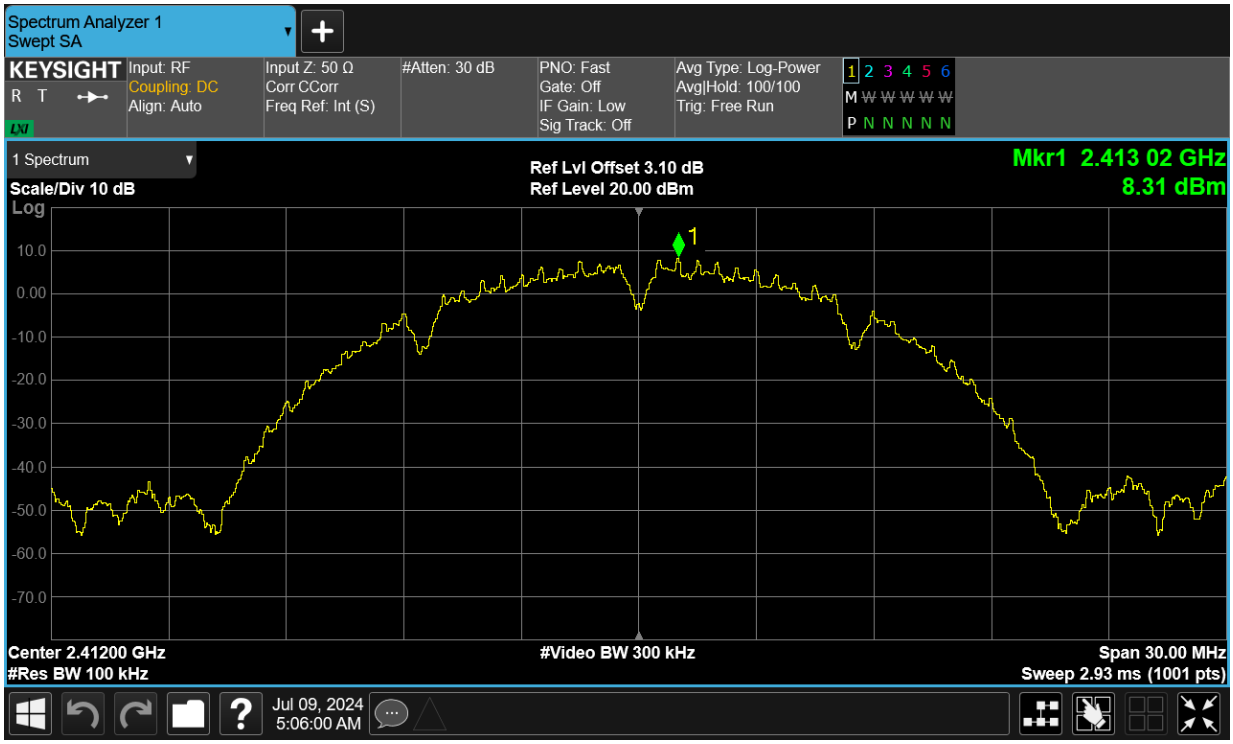


Conducted RF Spurious Emission

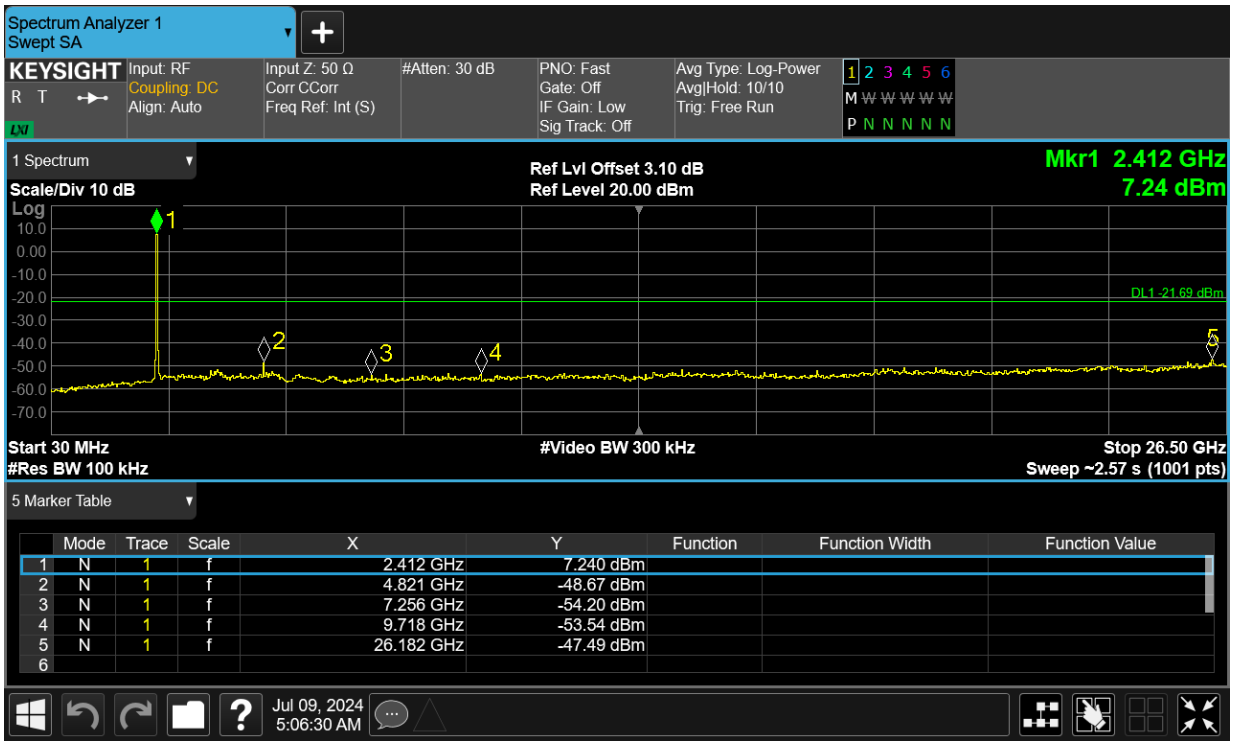
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT13	-55.8	-30	Pass
NVNT	b	2437	ANT13	-55.8	-30	Pass
NVNT	b	2462	ANT13	-57.13	-30	Pass
NVNT	g	2412	ANT13	-51.13	-30	Pass
NVNT	g	2437	ANT13	-50.96	-30	Pass
NVNT	g	2462	ANT13	-50.64	-30	Pass
NVNT	n20	2412	ANT13	-49.64	-30	Pass
NVNT	n20	2437	ANT13	-50.95	-30	Pass
NVNT	n20	2462	ANT13	-50.3	-30	Pass
NVNT	n40	2422	ANT13	-46.85	-30	Pass
NVNT	n40	2437	ANT13	-47.84	-30	Pass
NVNT	n40	2452	ANT13	-48.04	-30	Pass

Test Graphs

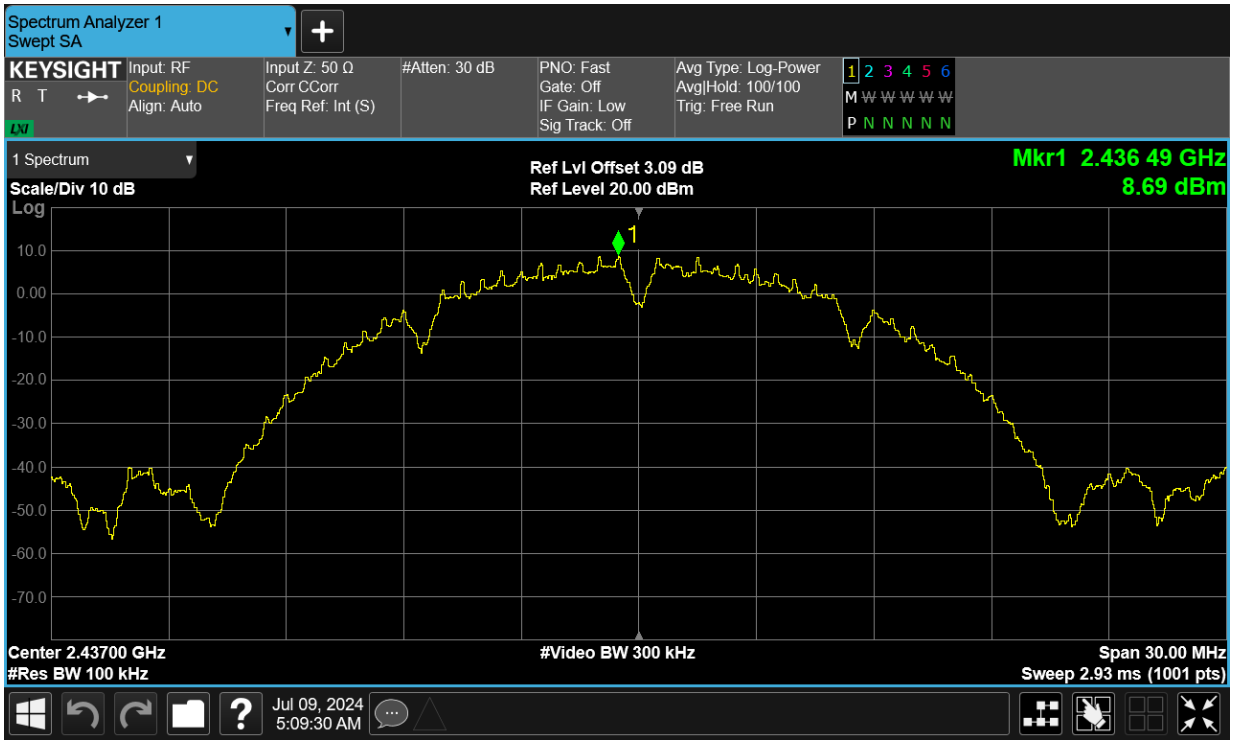
Tx. Spurious NVNT b 2412MHz ANT13 Ref



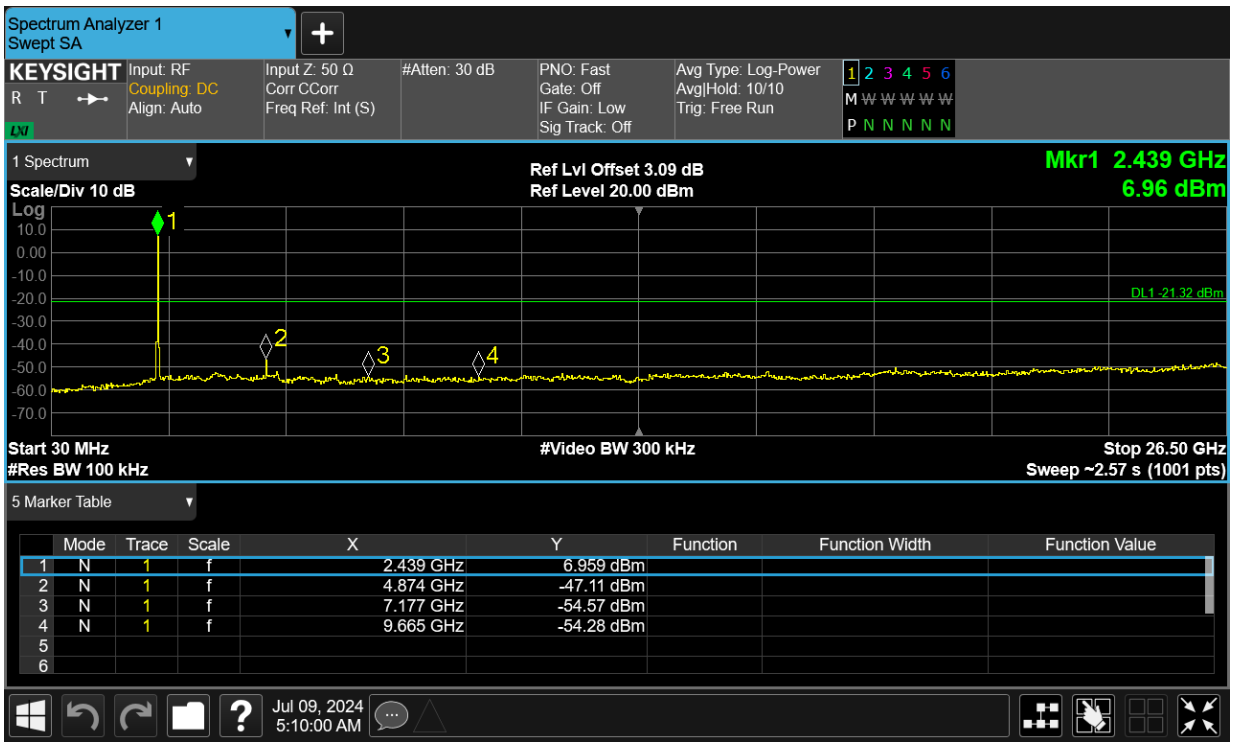
Tx. Spurious NVNT b 2412MHz ANT13 Emission



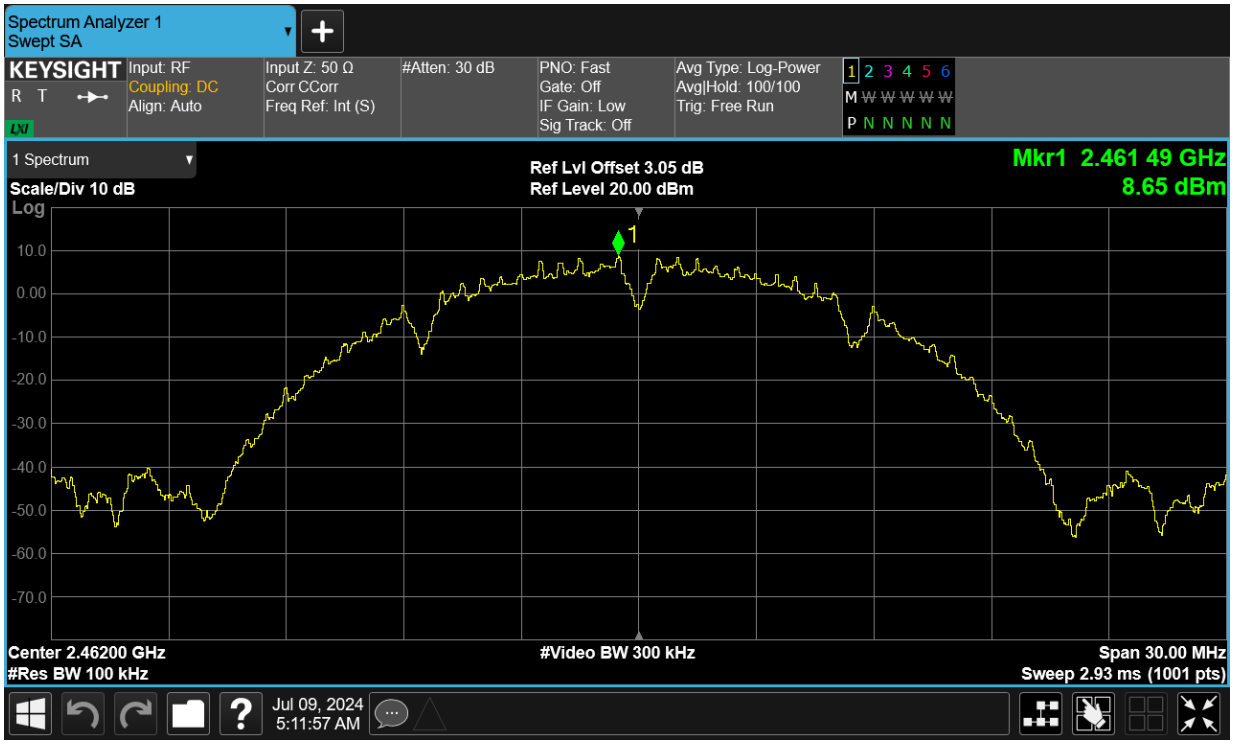
Tx. Spurious NVNT b 2437MHz ANT13 Ref



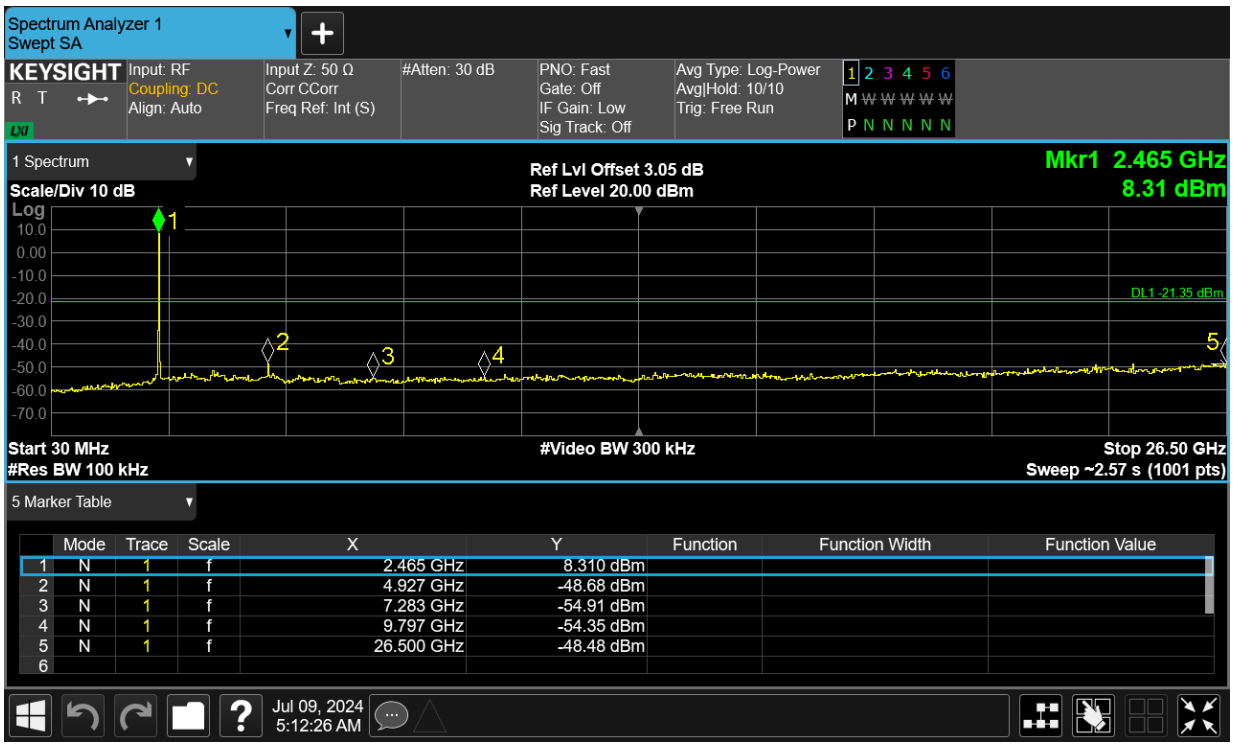
Tx. Spurious NVNT b 2437MHz ANT13 Emission



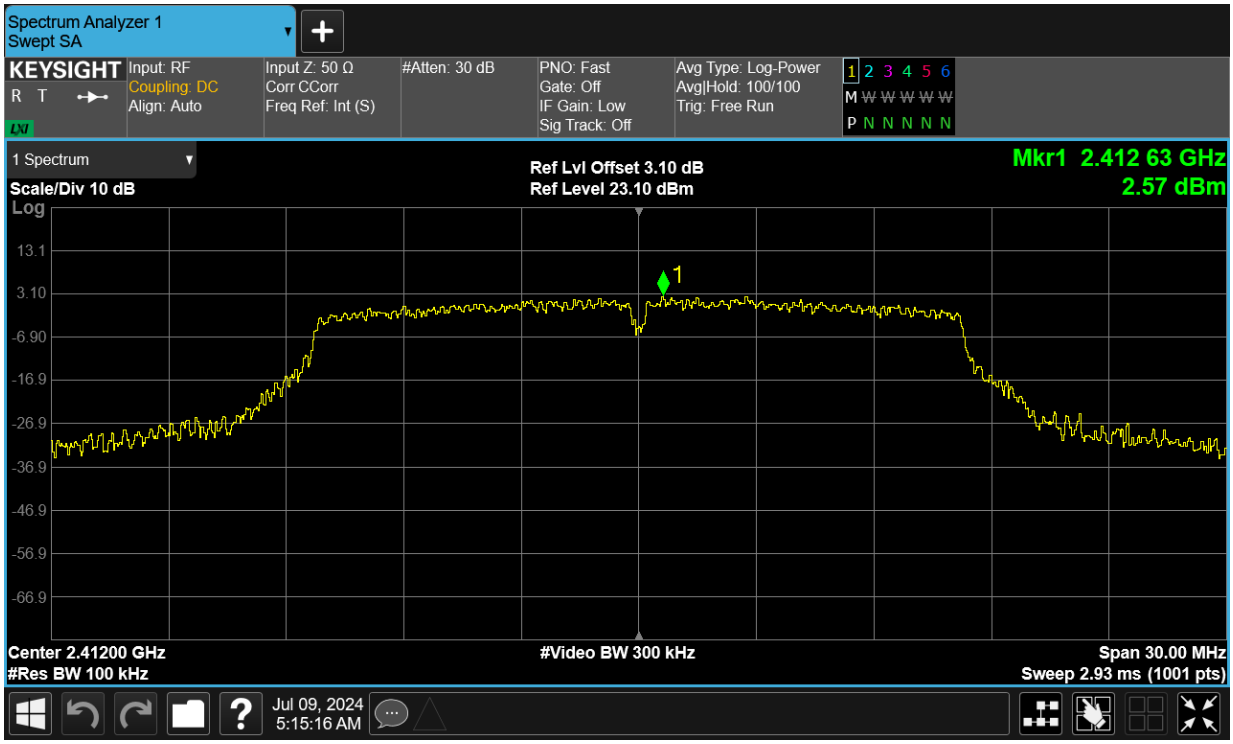
Tx. Spurious NVNT b 2462MHz ANT13 Ref



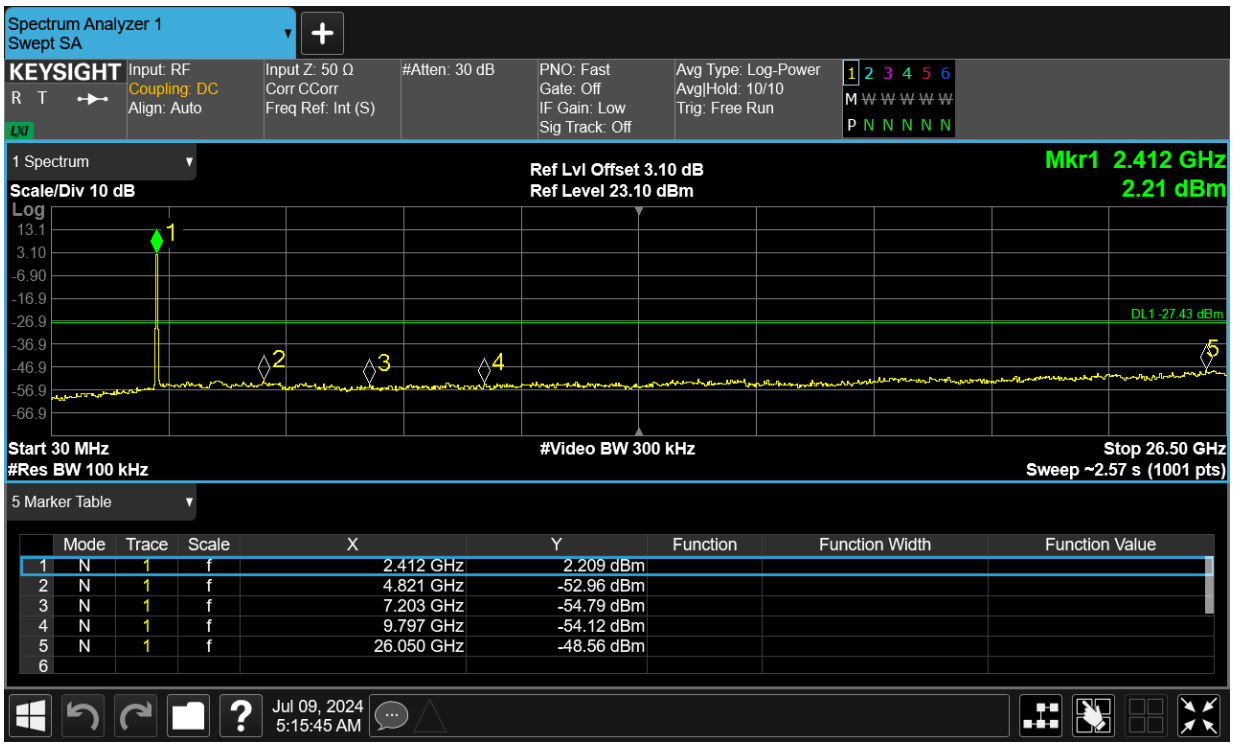
Tx. Spurious NVNT b 2462MHz ANT13 Emission



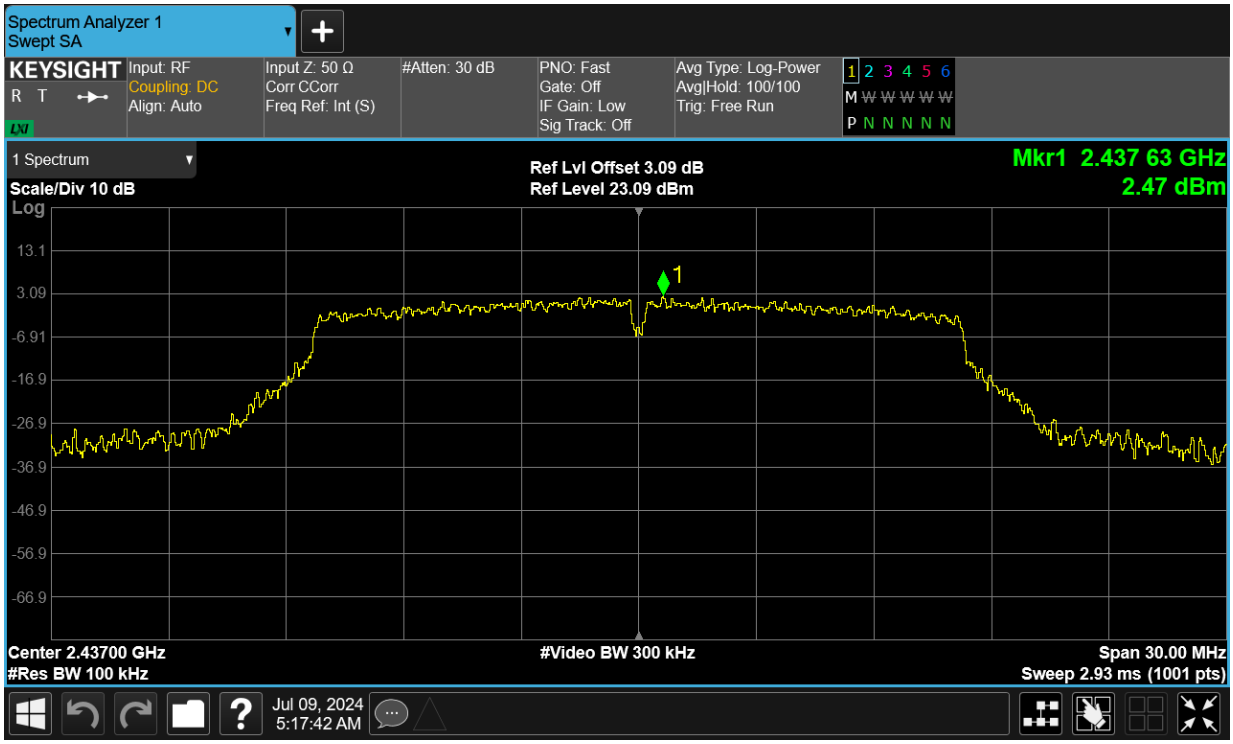
Tx. Spurious NVNT g 2412MHz ANT13 Ref



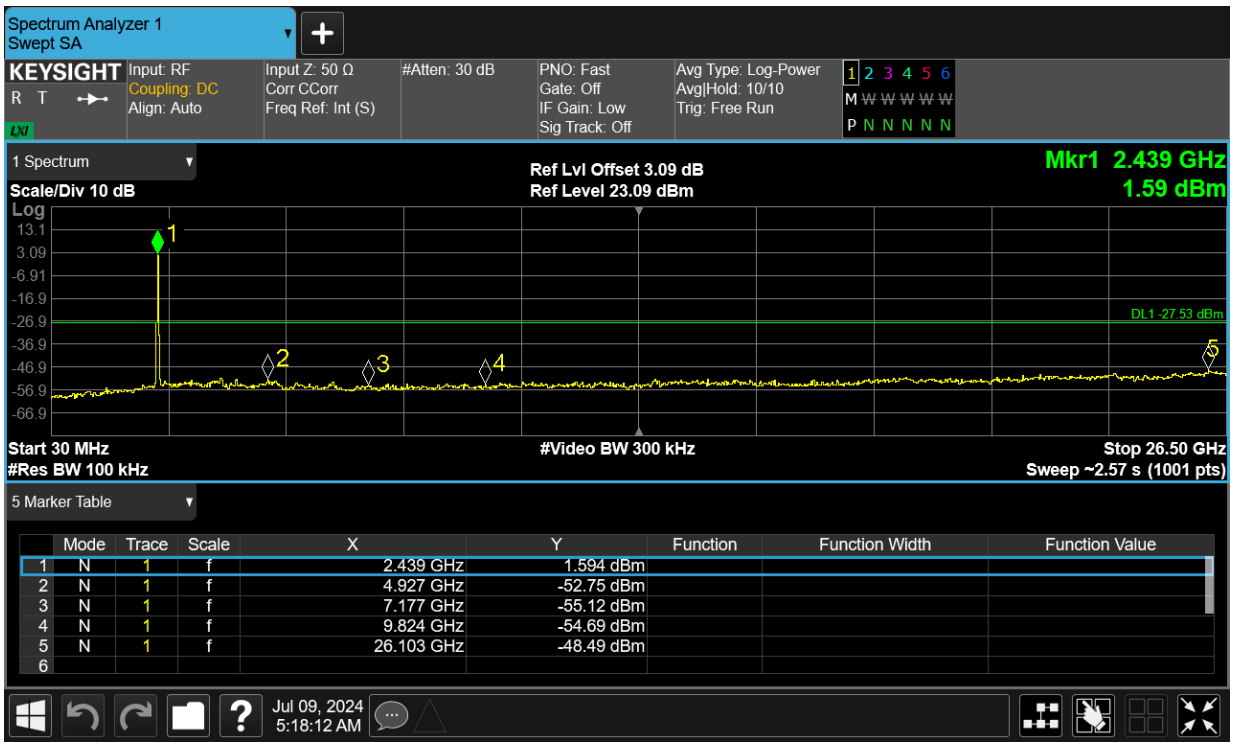
Tx. Spurious NVNT g 2412MHz ANT13 Emission



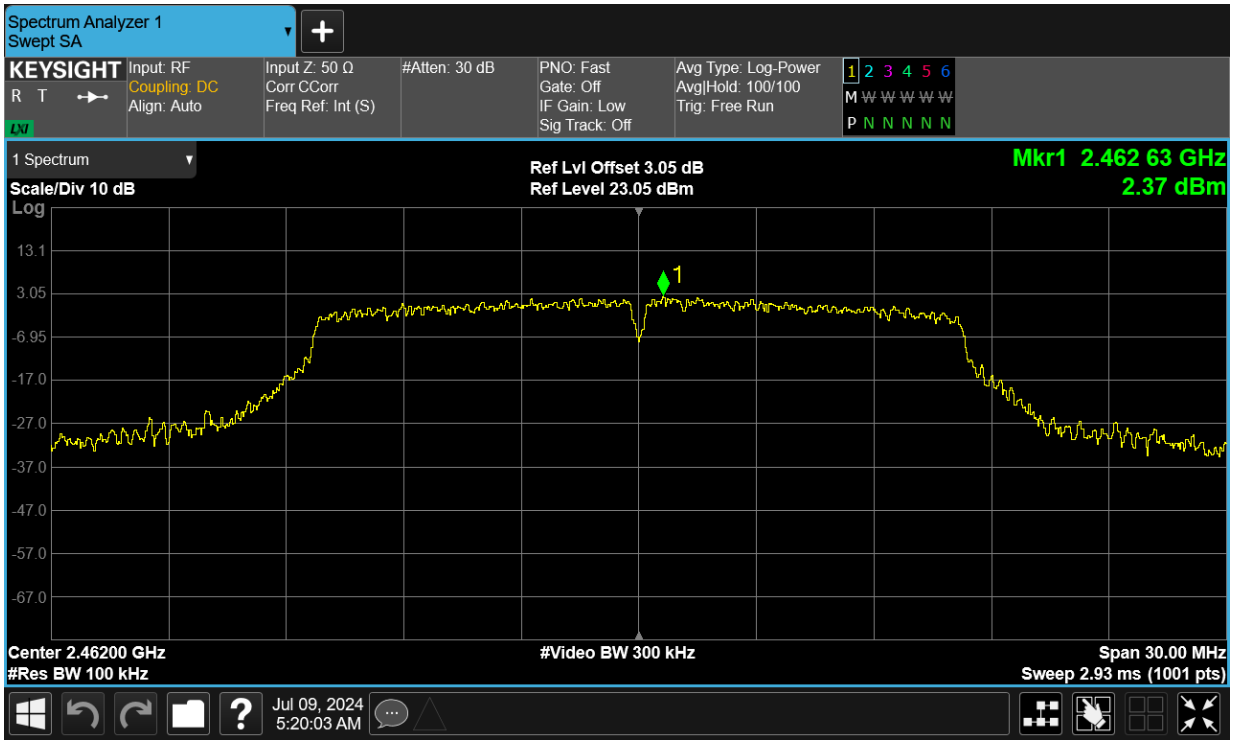
Tx. Spurious NVNT g 2437MHz ANT13 Ref



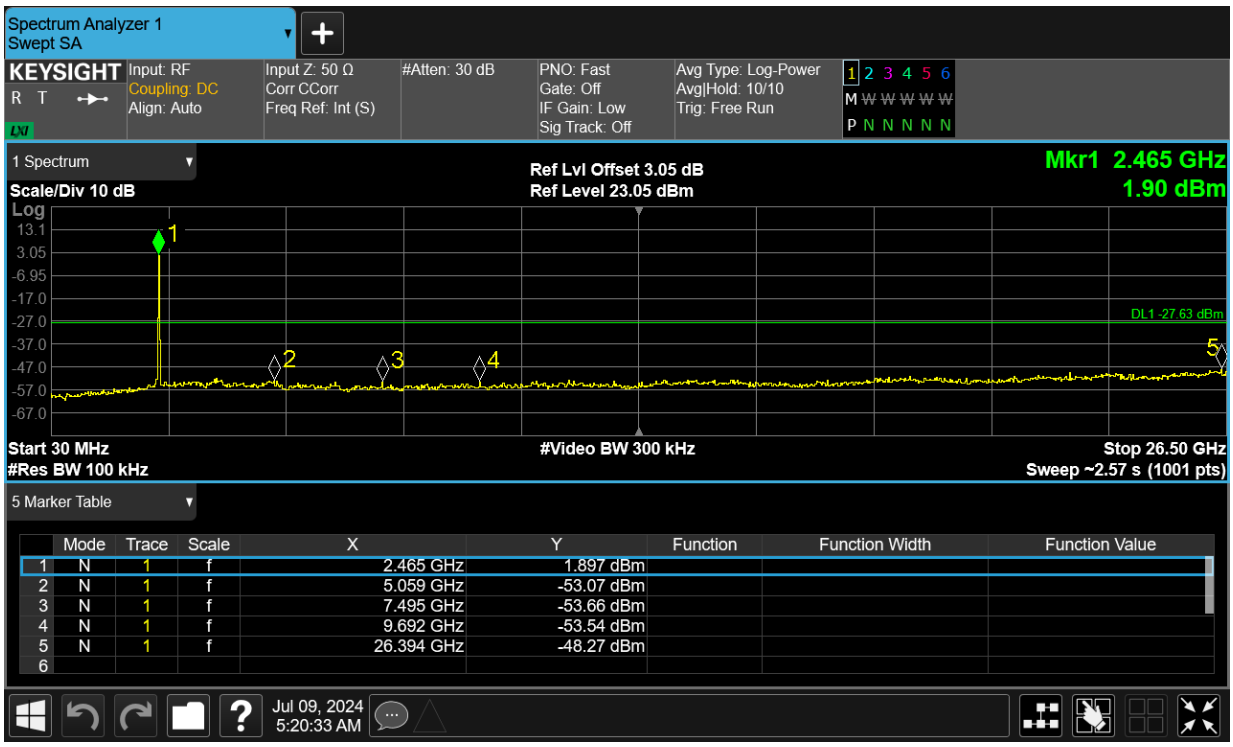
Tx. Spurious NVNT g 2437MHz ANT13 Emission



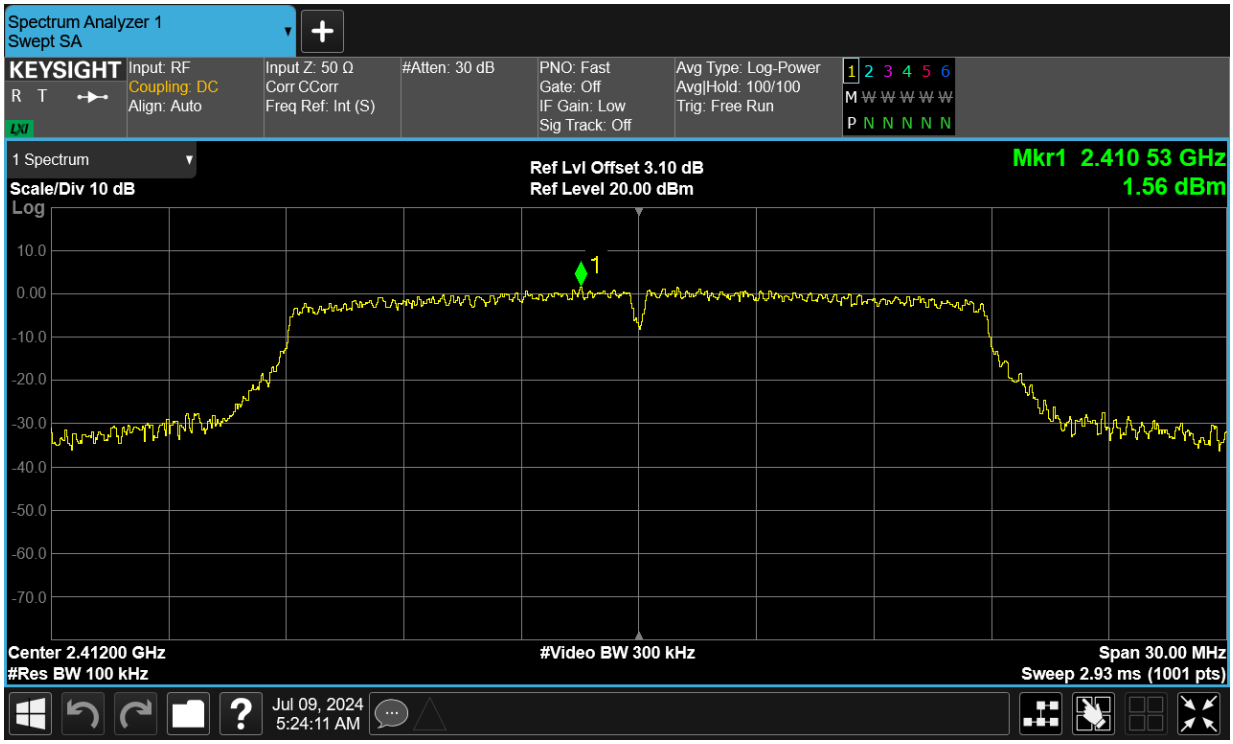
Tx. Spurious NVNT g 2462MHz ANT13 Ref



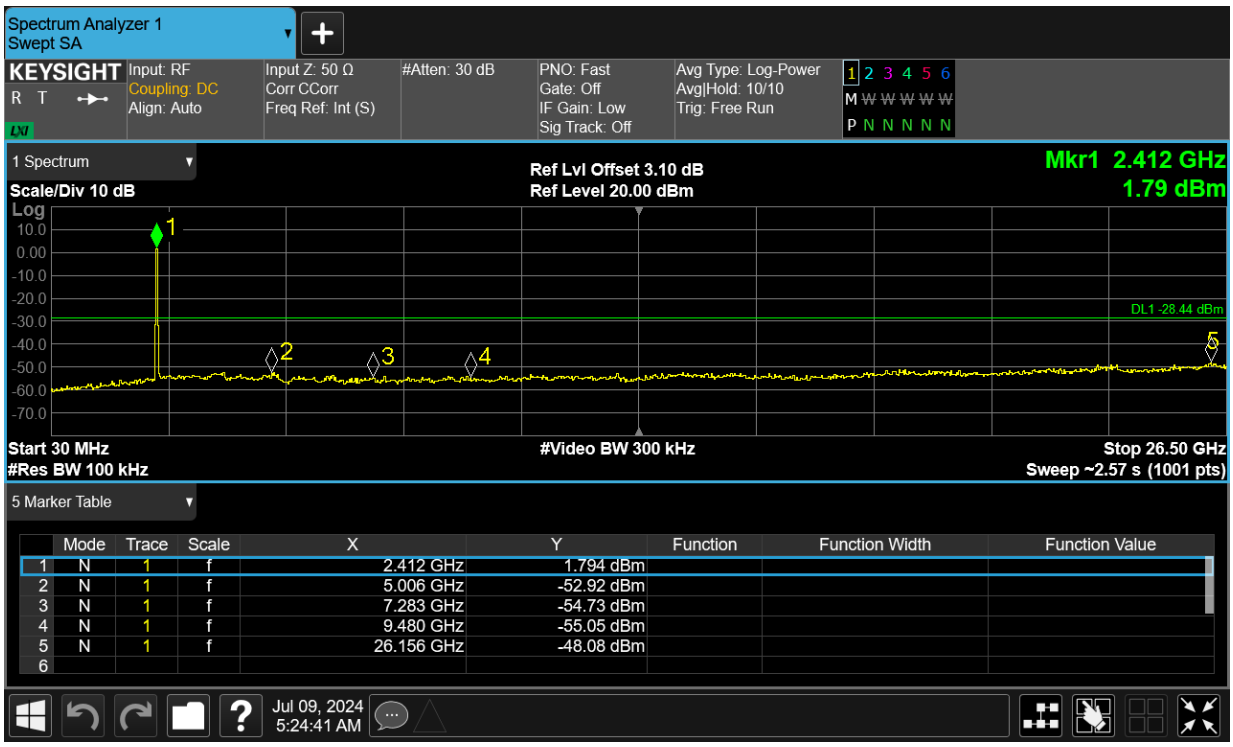
Tx. Spurious NVNT g 2462MHz ANT13 Emission



Tx. Spurious NVNT n20 2412MHz ANT13 Ref



Tx. Spurious NVNT n20 2412MHz ANT13 Emission



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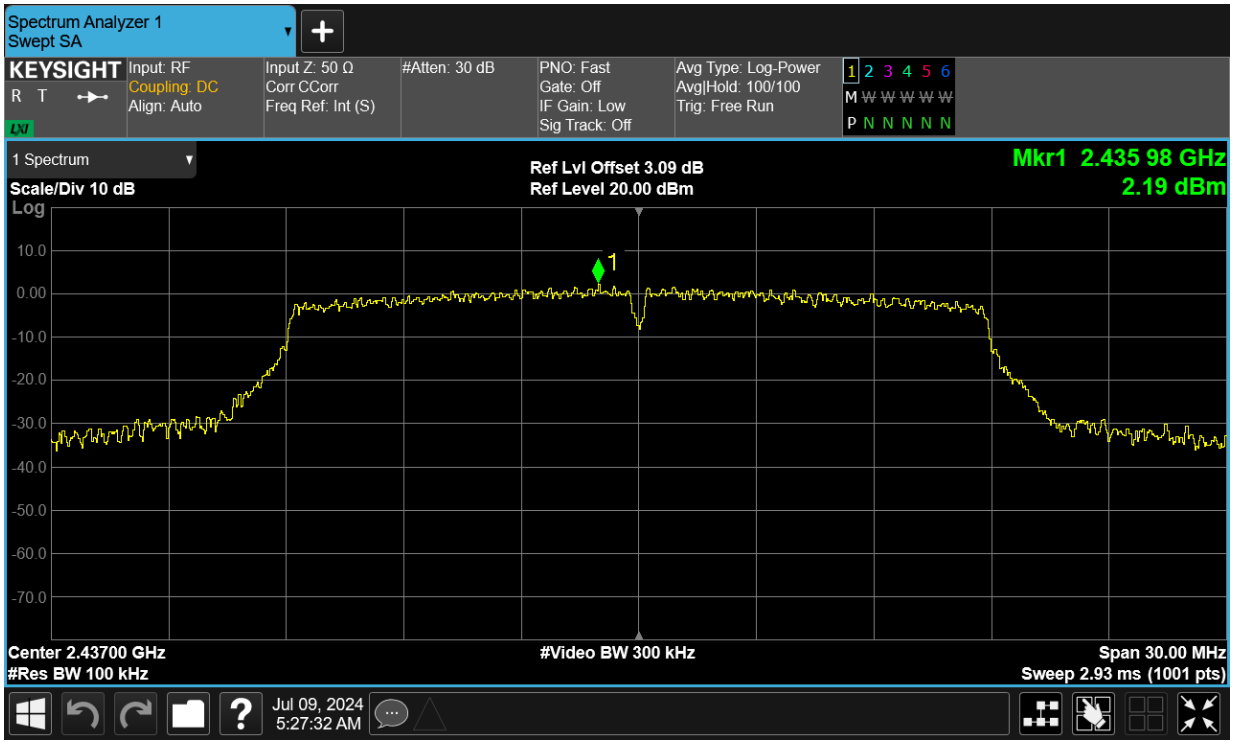
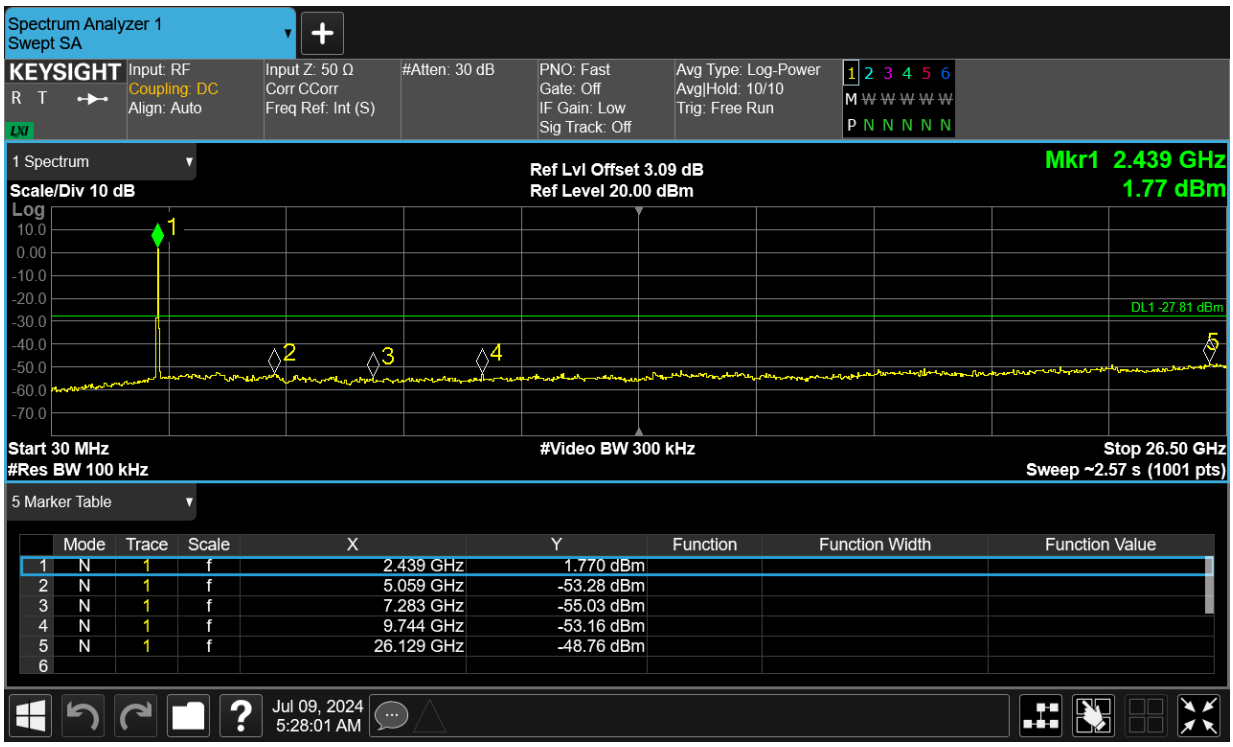
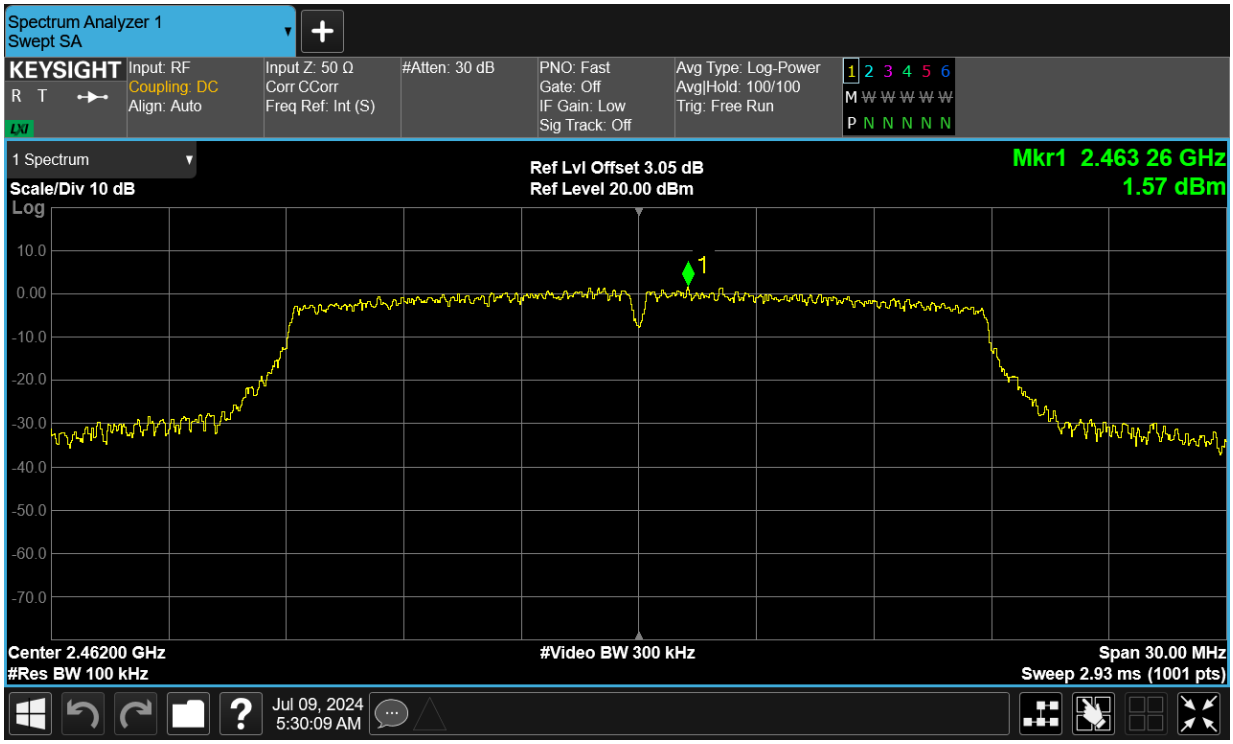


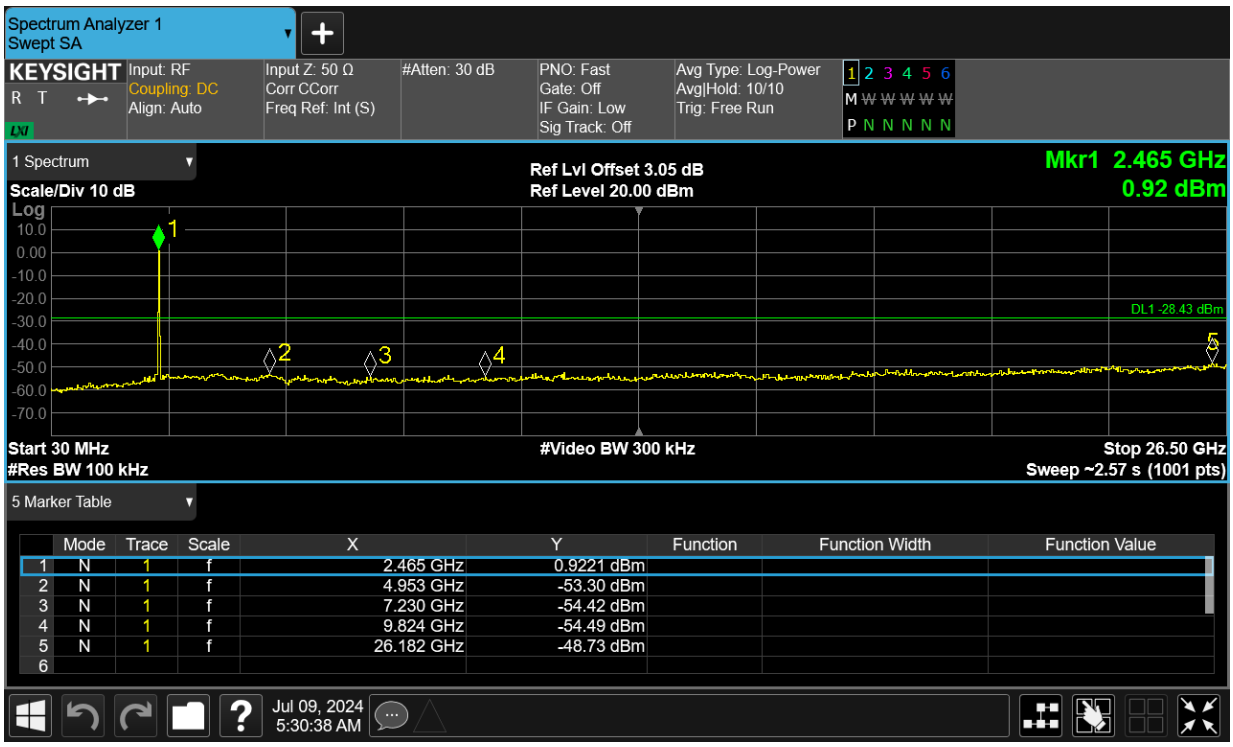
Tx. Spurious NVNT n20 2437MHz ANT13 Emission



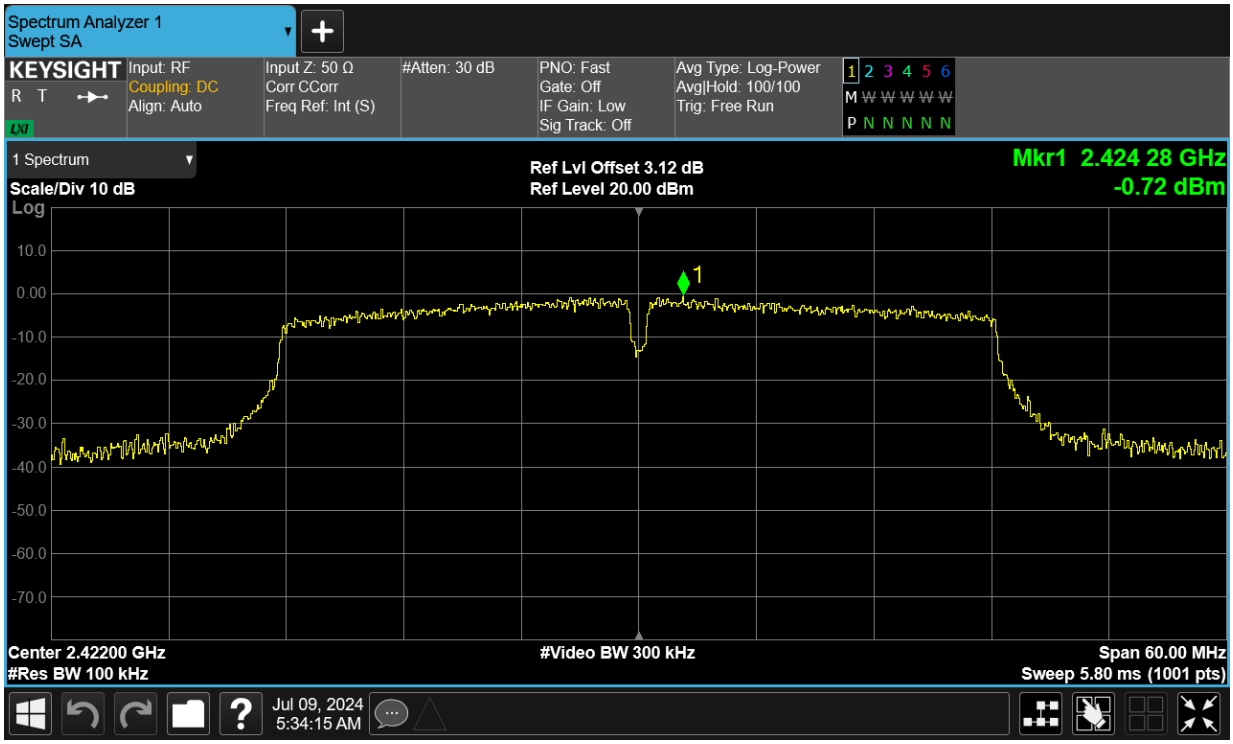
Tx. Spurious NVNT n20 2462MHz ANT13 Ref



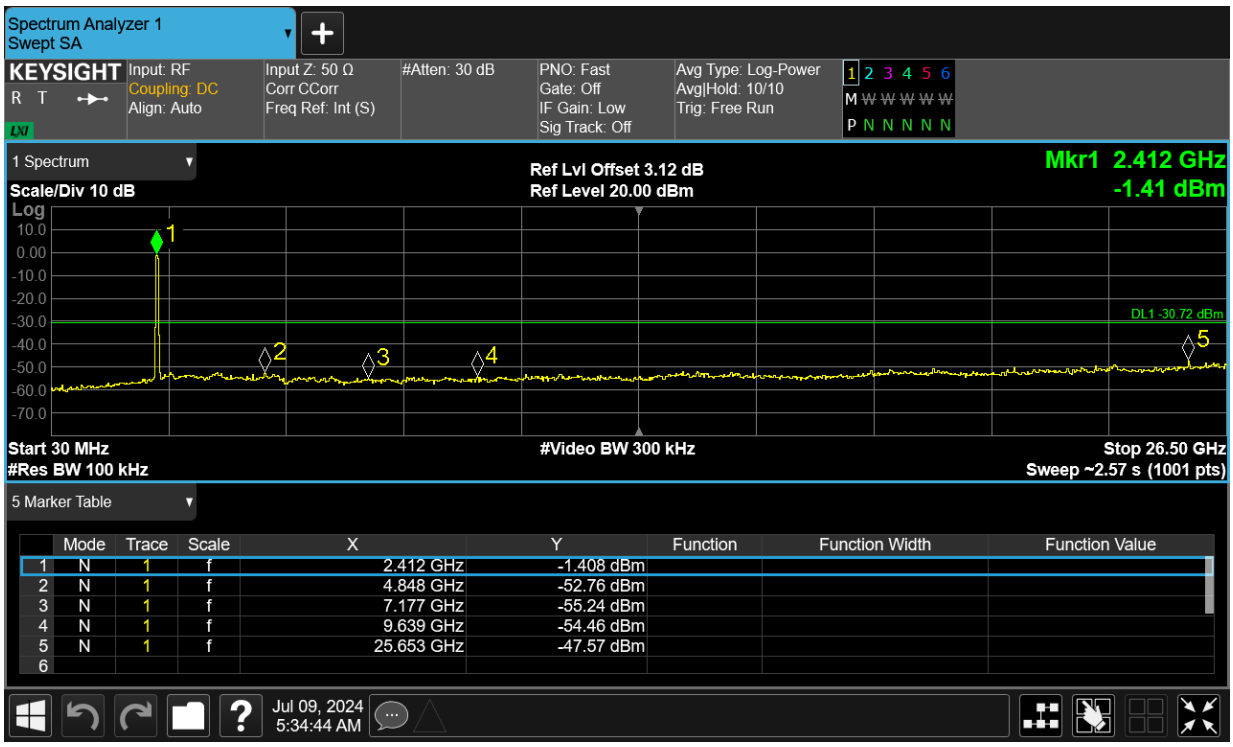
Tx. Spurious NVNT n20 2462MHz ANT13 Emission



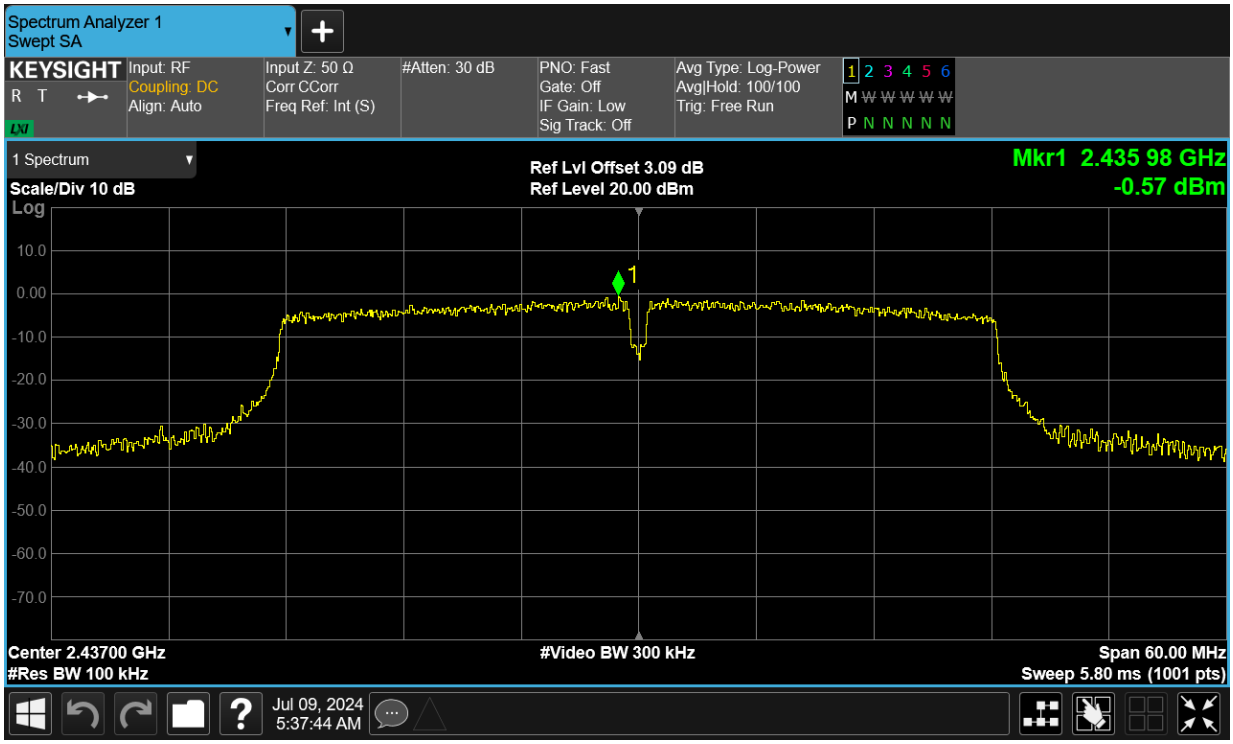
Tx. Spurious NVNT n40 2422MHz ANT13 Ref



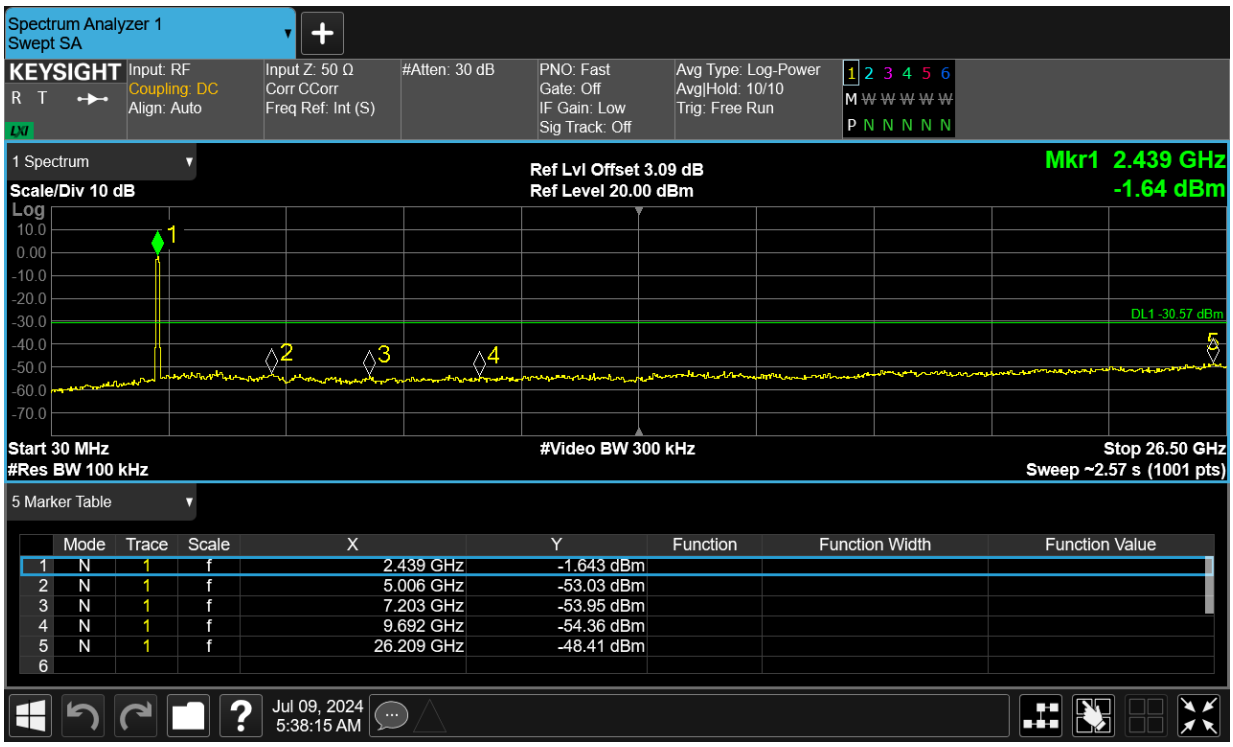
Tx. Spurious NVNT n40 2422MHz ANT13 Emission



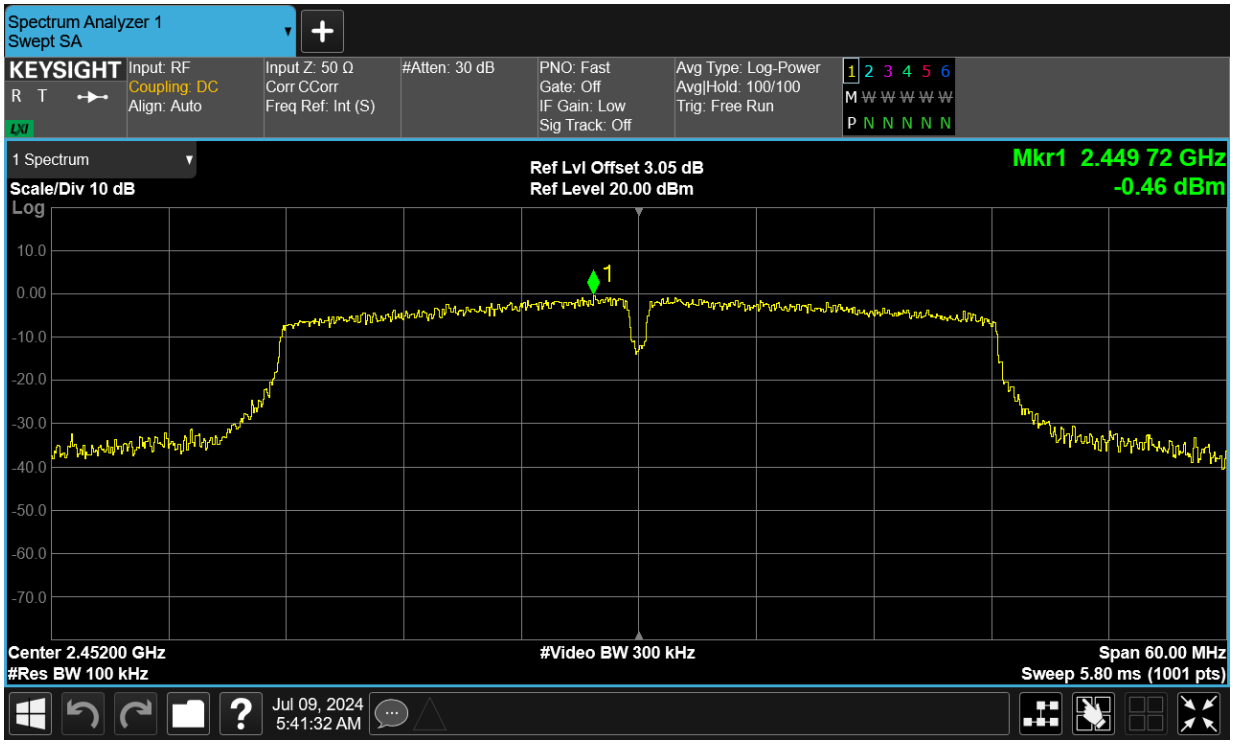
Tx. Spurious NVNT n40 2437MHz ANT13 Ref



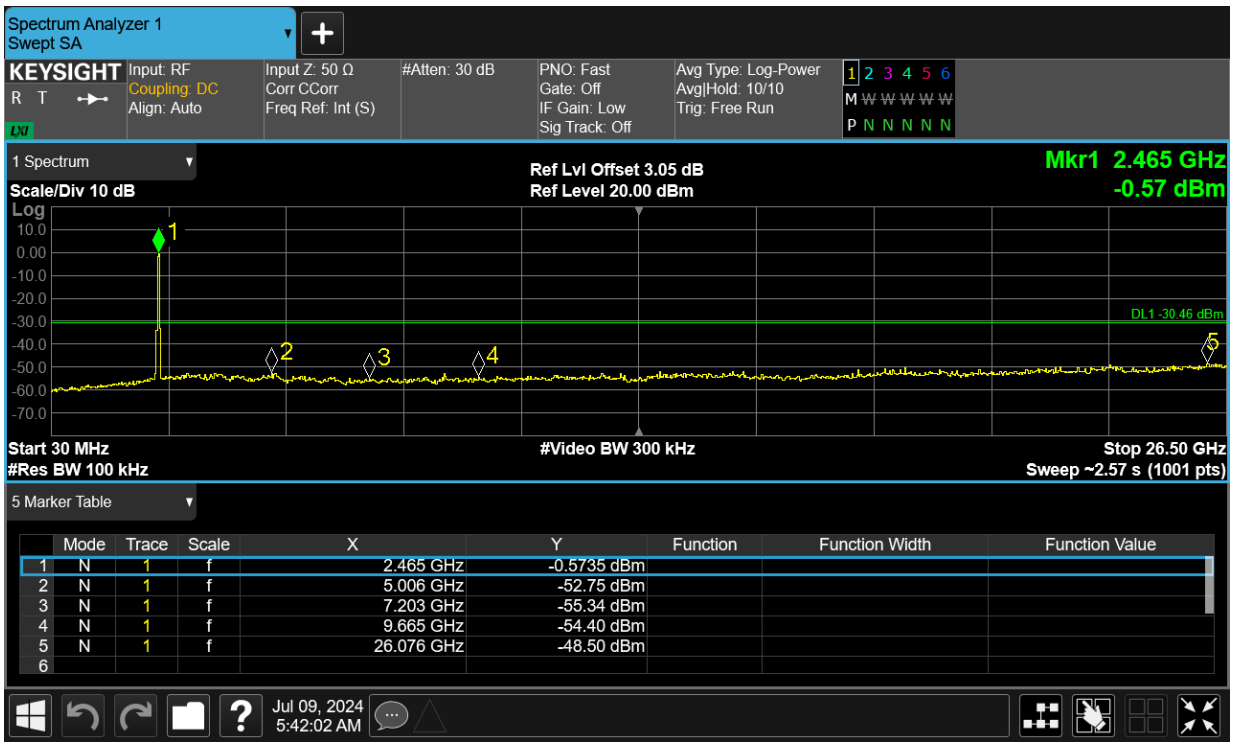
Tx. Spurious NVNT n40 2437MHz ANT13 Emission



Tx. Spurious NVNT n40 2452MHz ANT13 Ref



Tx. Spurious NVNT n40 2452MHz ANT13 Emission



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1	N	1	f	2.465 GHz	-0.5735 dBm			
2	N	1	f	5.006 GHz	-52.75 dBm			
3	N	1	f	7.203 GHz	-55.34 dBm			
4	N	1	f	9.665 GHz	-54.40 dBm			
5	N	1	f	26.076 GHz	-48.50 dBm			
6								