

**APPENDIX 1-TEST DATA**

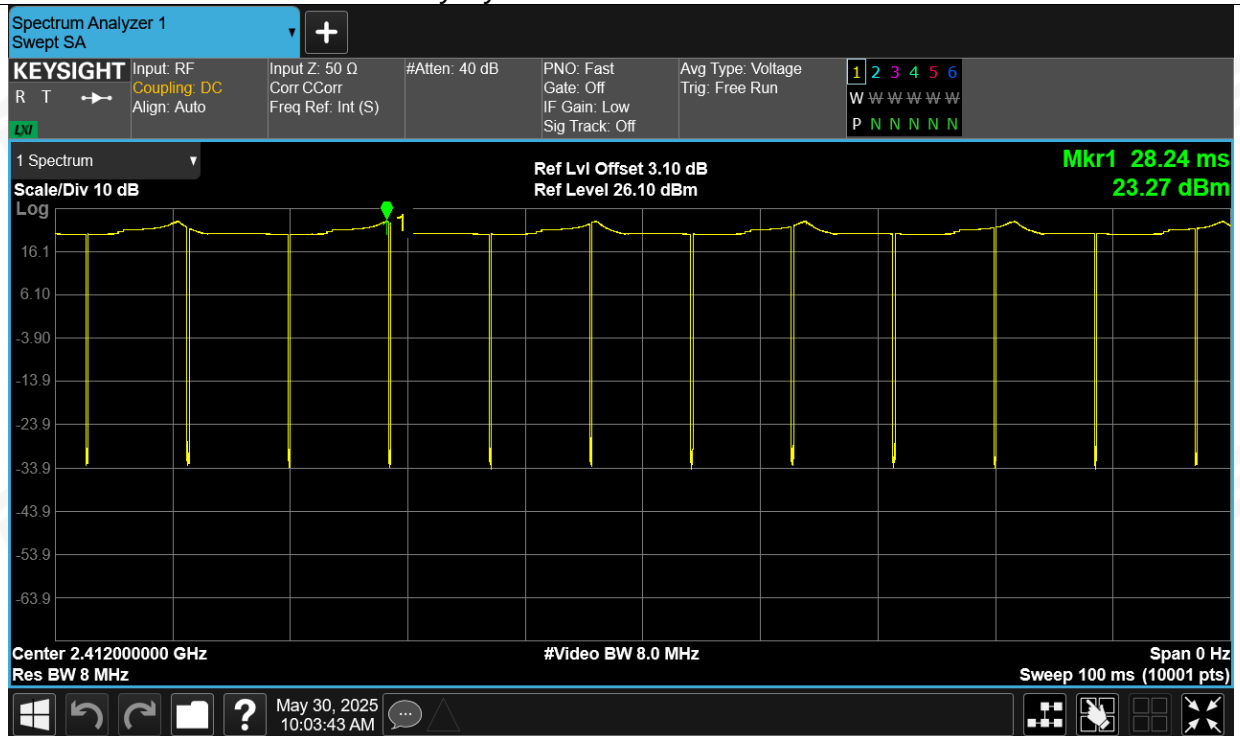
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.81	0.1
NVNT	b	2437	Ant1	98.1	0.08
NVNT	b	2462	Ant1	98.06	0.09
NVNT	g	2412	Ant1	89.96	0.46
NVNT	g	2437	Ant1	89.37	0.49
NVNT	g	2462	Ant1	89.7	0.47
NVNT	n20	2412	Ant1	88.51	0.53
NVNT	n20	2437	Ant1	88.29	0.54
NVNT	n20	2462	Ant1	88.33	0.54
NVNT	n40	2422	Ant1	79.33	1.01
NVNT	n40	2437	Ant1	79.25	1.01
NVNT	n40	2452	Ant1	78.53	1.05

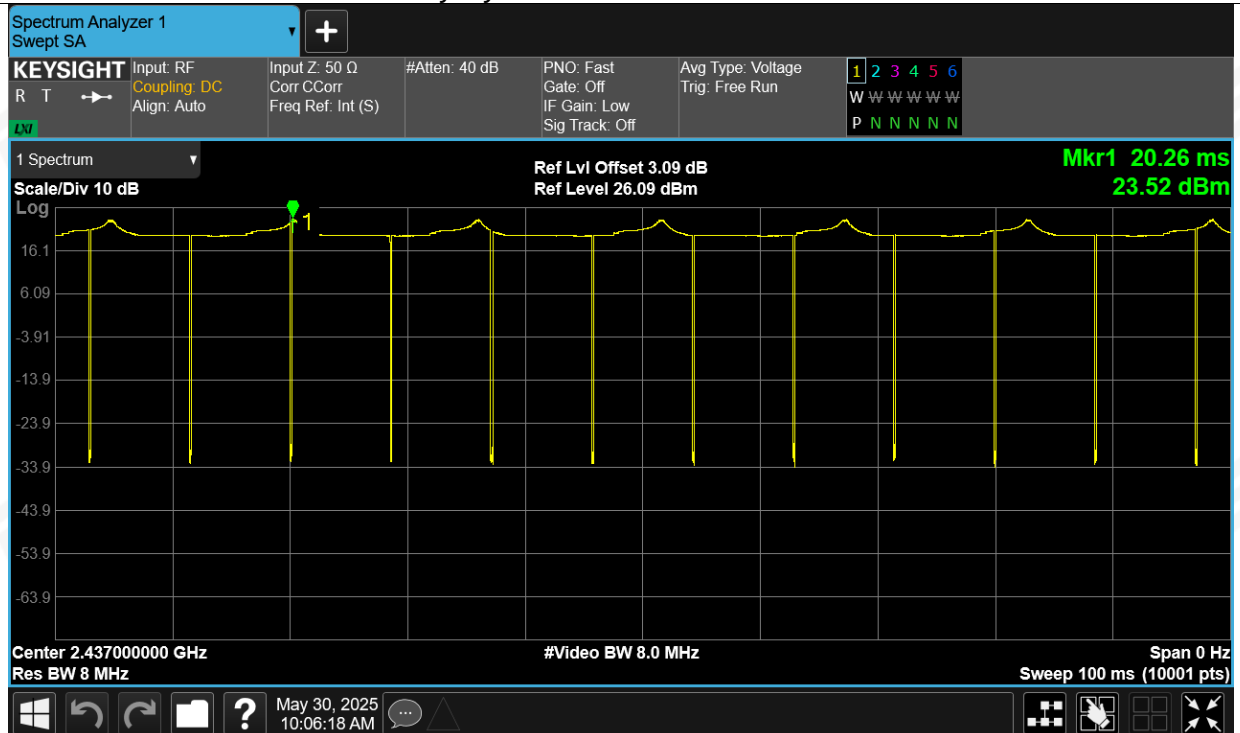


Test Graphs

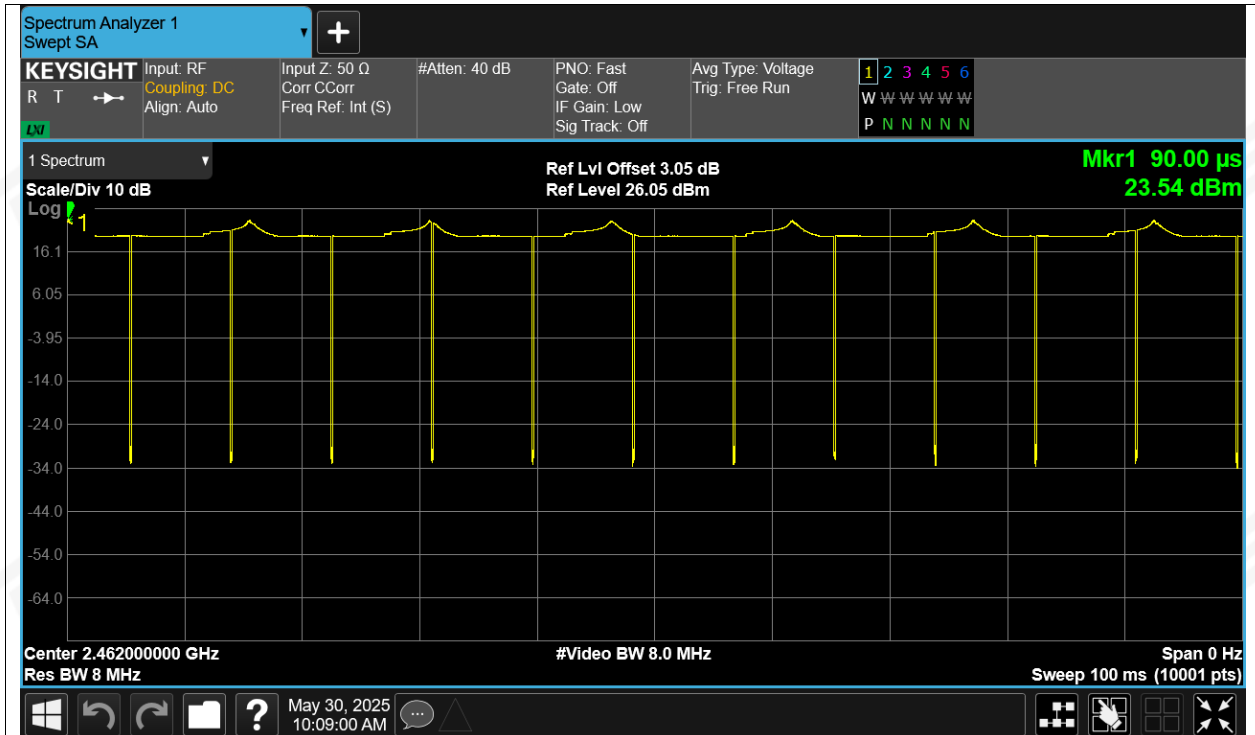
Duty Cycle NVNT b 2412MHz Ant1



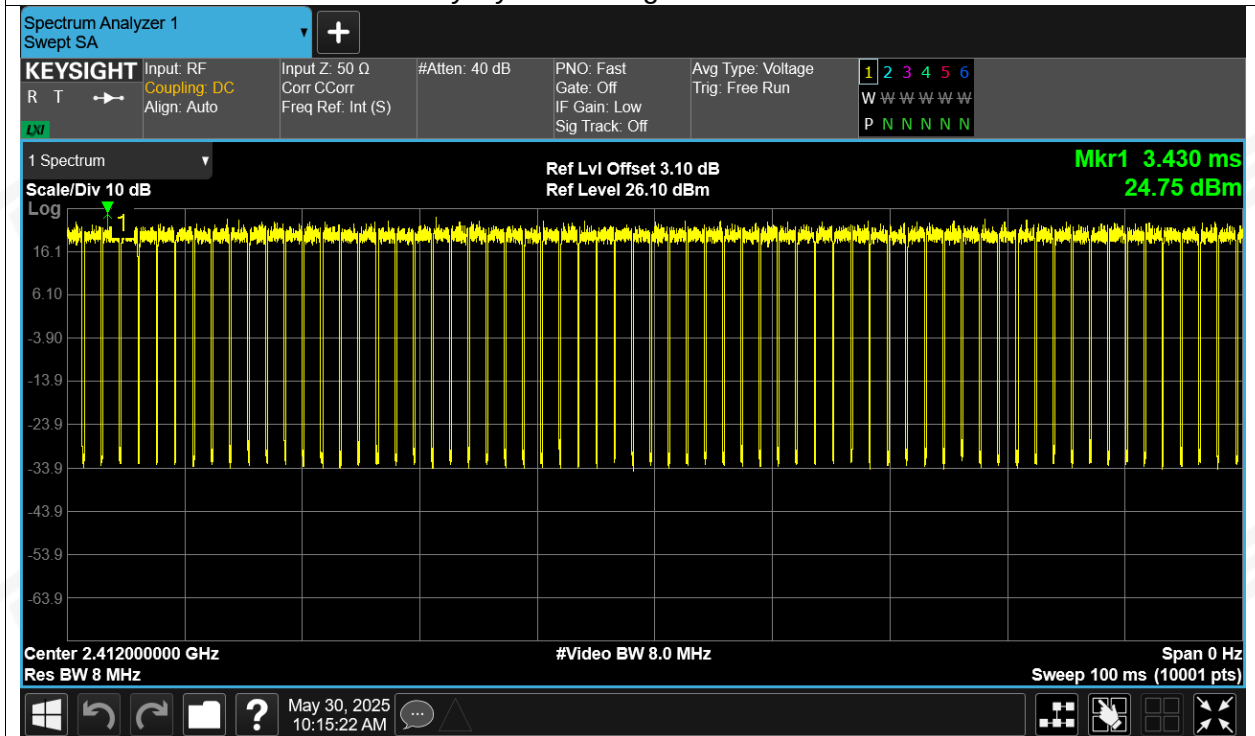
Duty Cycle NVNT b 2437MHz Ant1



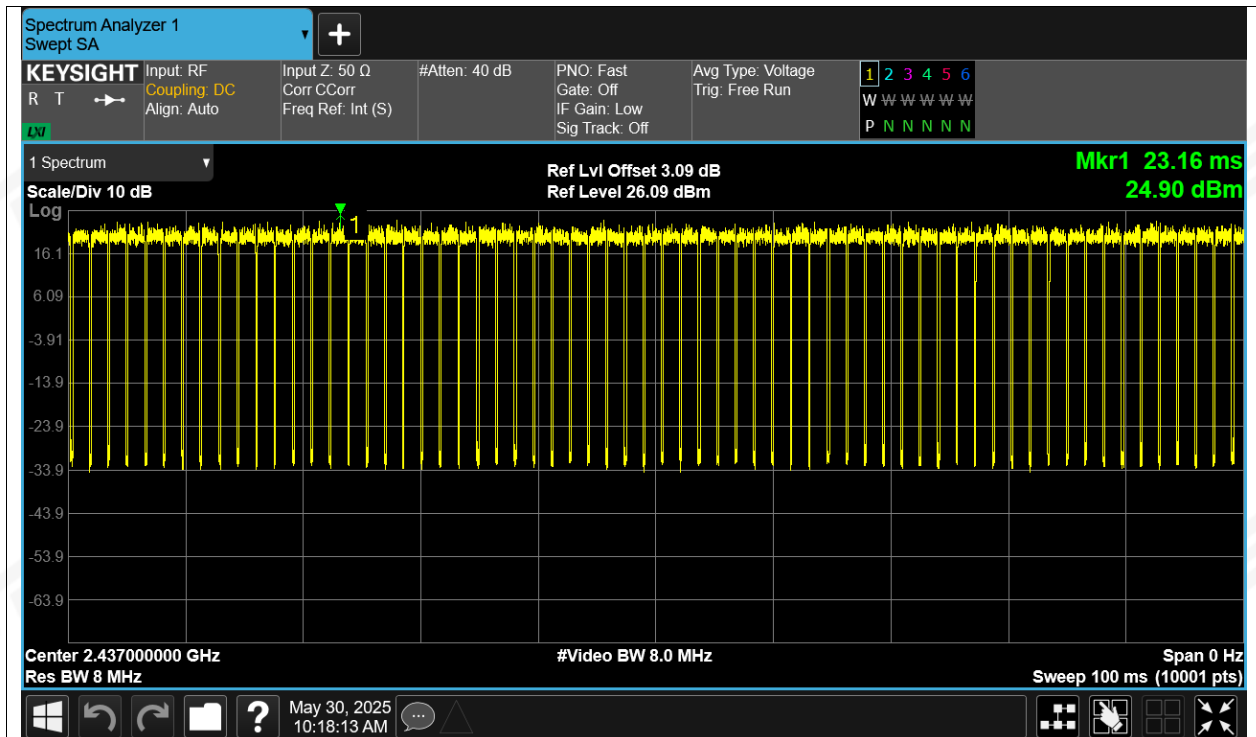
Duty Cycle NVNT b 2462MHz Ant1



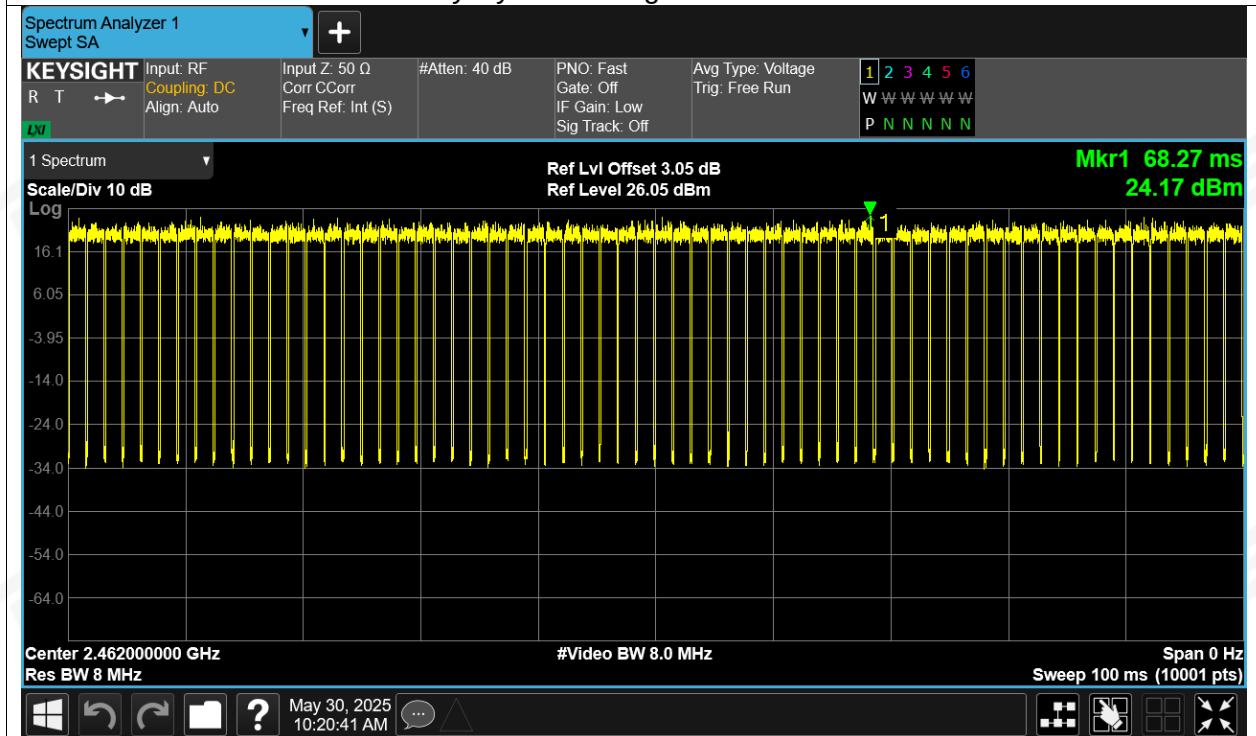
Duty Cycle NVNT g 2412MHz Ant1



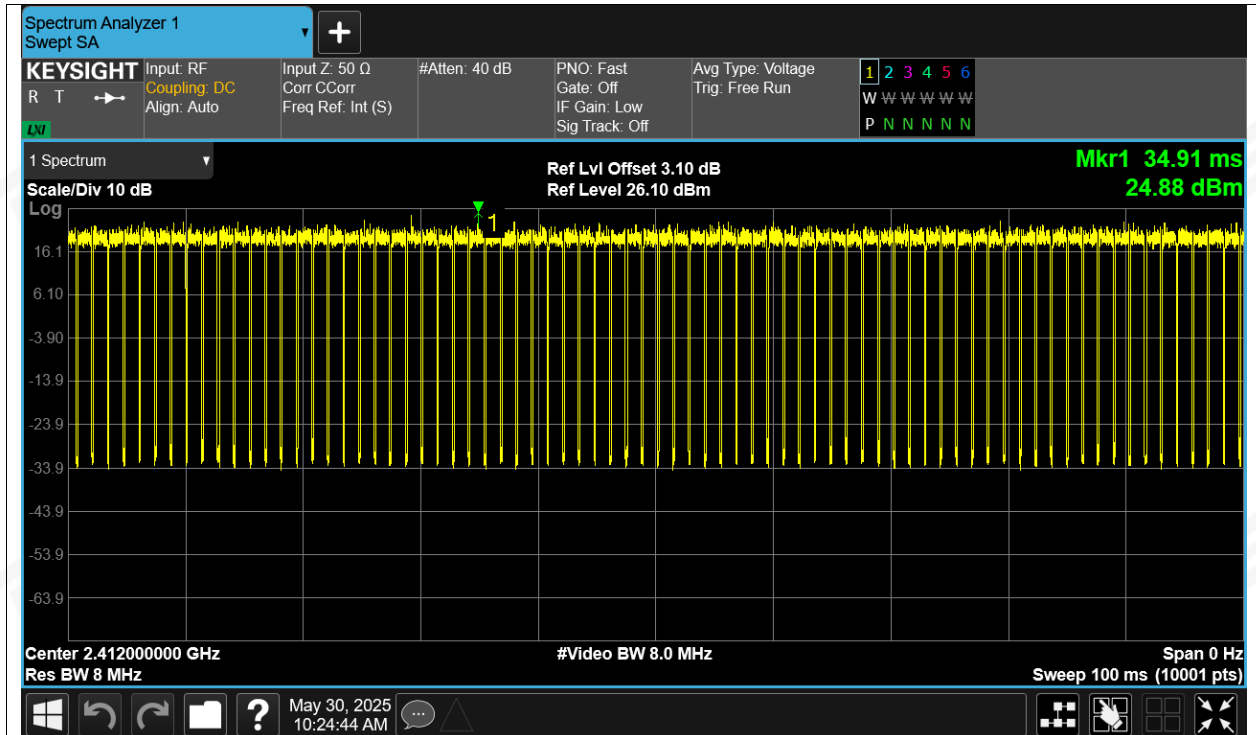
Duty Cycle NVNT g 2437MHz Ant1



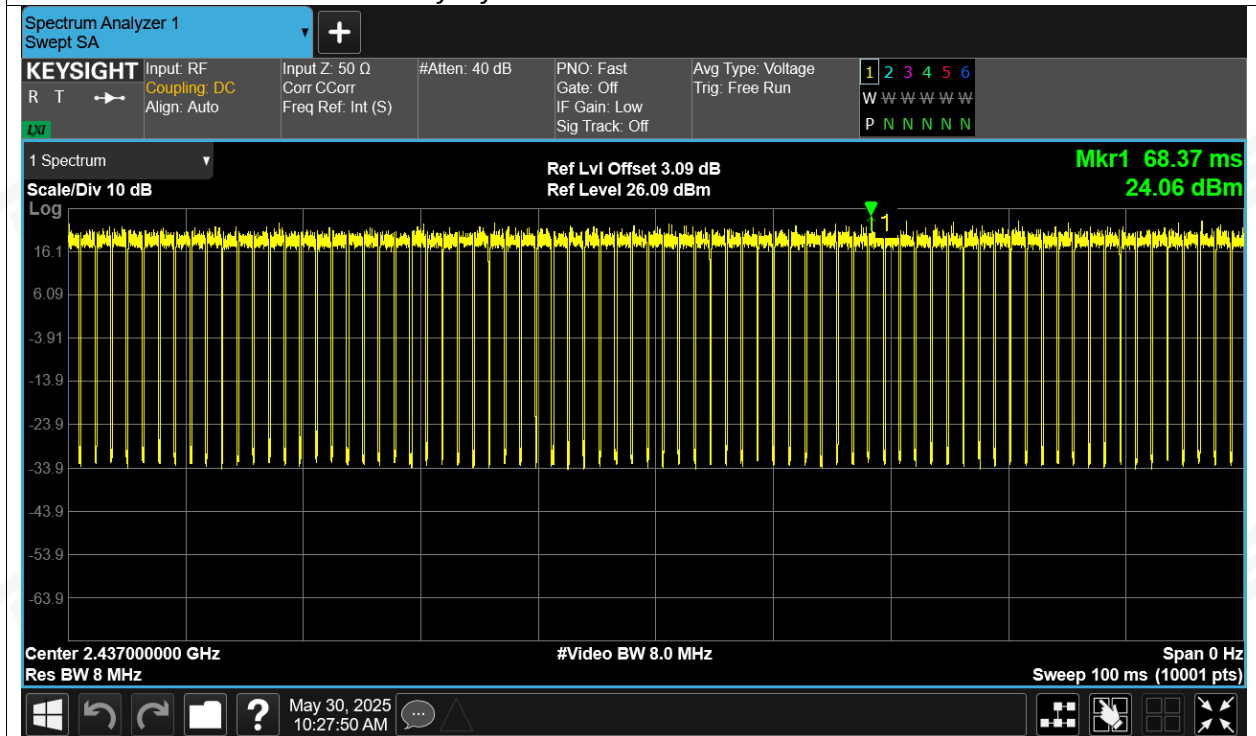
Duty Cycle NVNT g 2462MHz Ant1



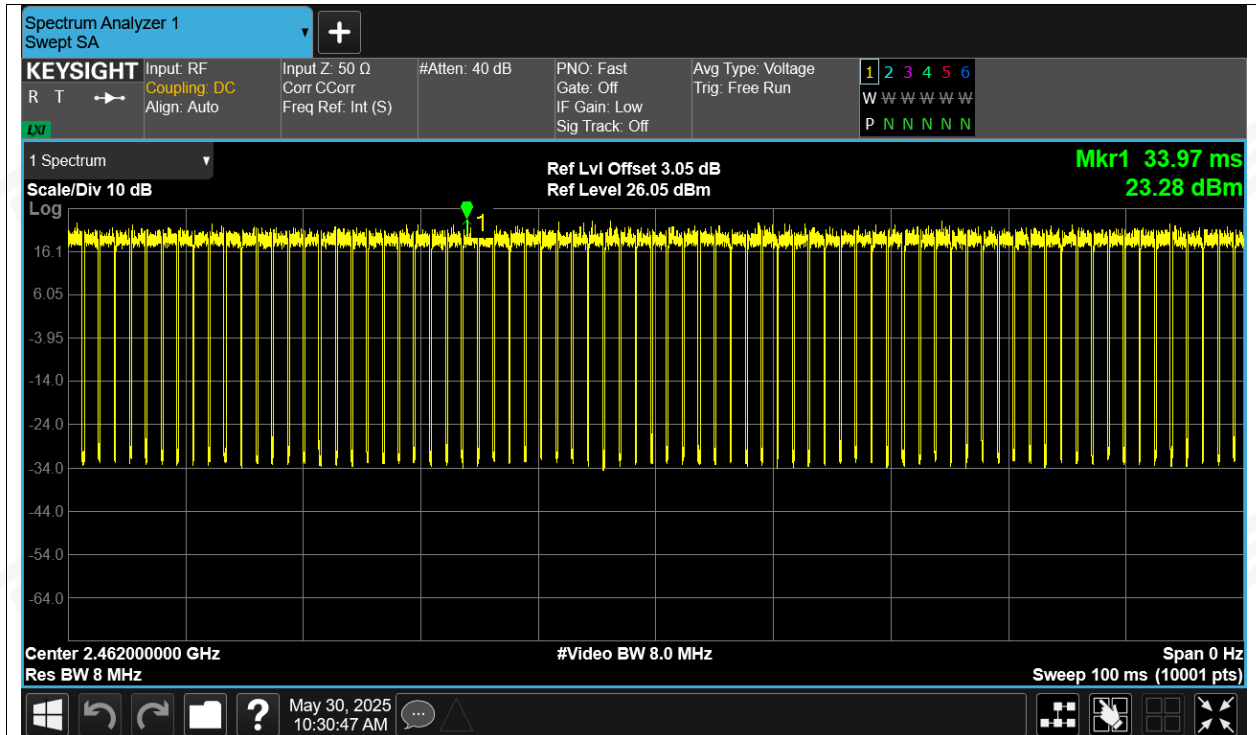
Duty Cycle NVNT n20 2412MHz Ant1



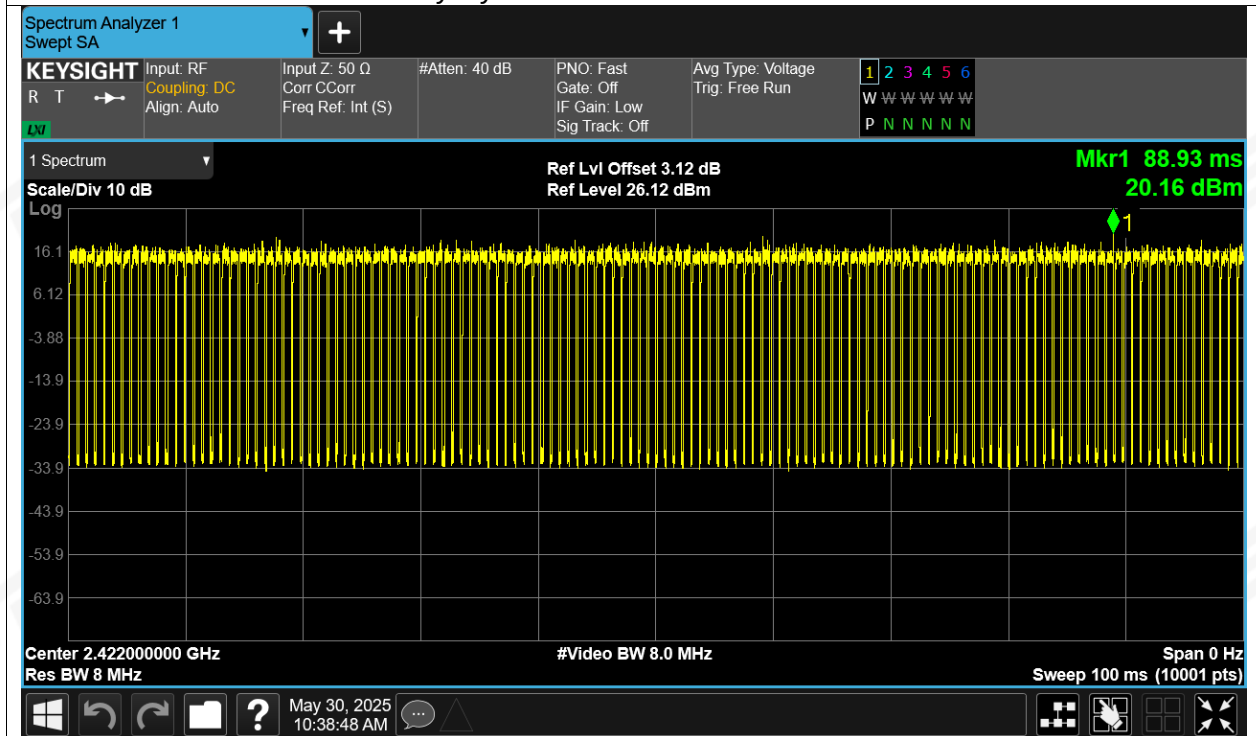
Duty Cycle NVNT n20 2437MHz Ant1



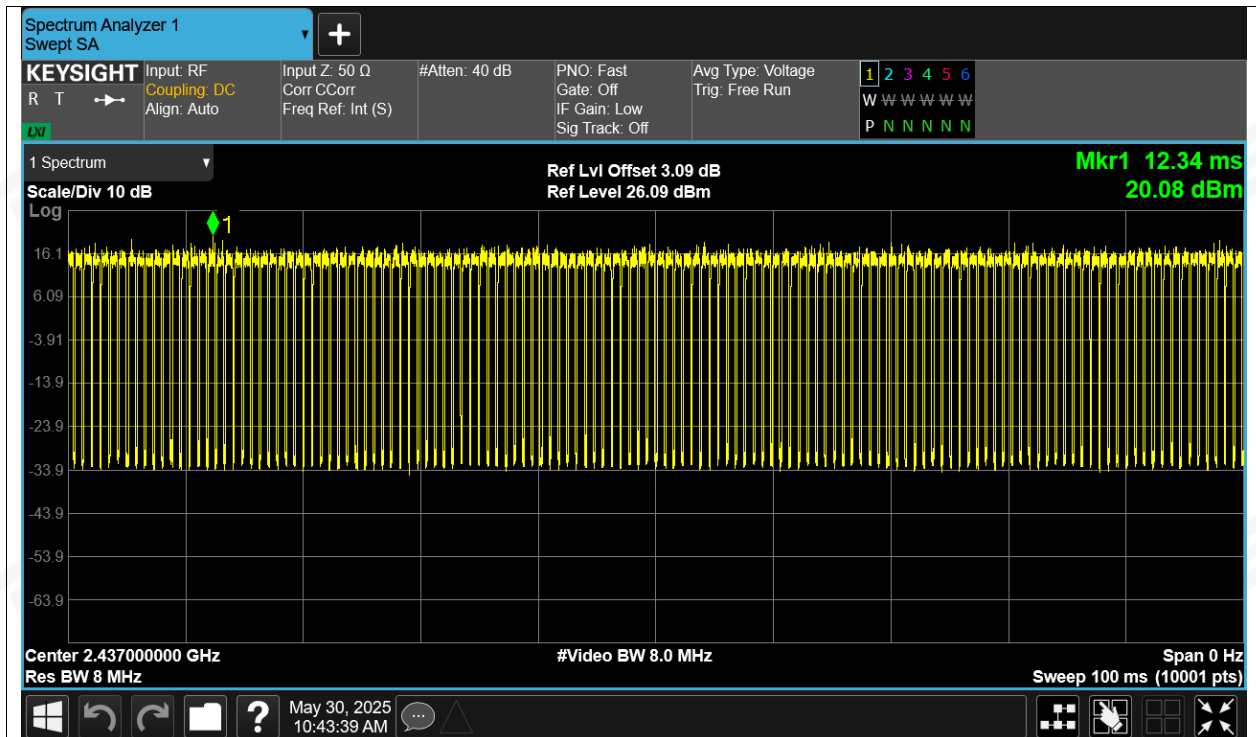
Duty Cycle NVNT n20 2462MHz Ant1



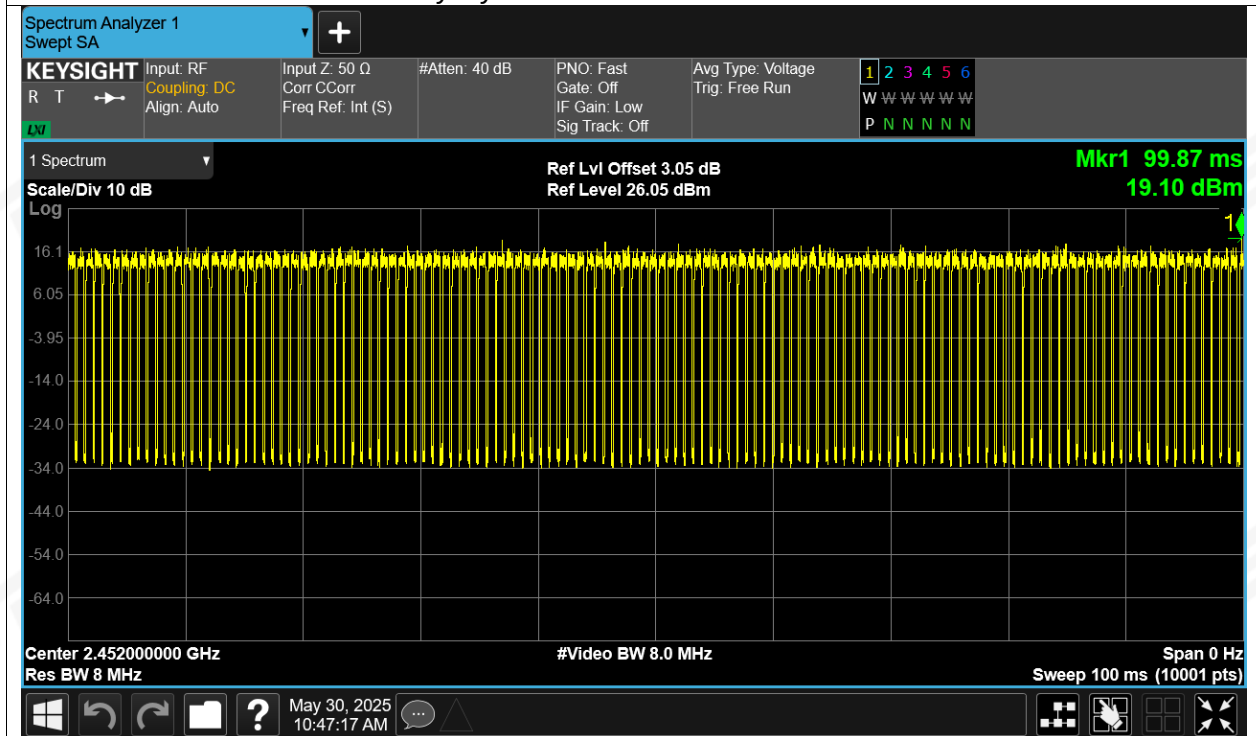
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.19	0.1	17.29	30	Pass
NVNT	b	2437	Ant1	17.02	0.08	17.1	30	Pass
NVNT	b	2462	Ant1	17.07	0.09	17.16	30	Pass
NVNT	g	2412	Ant1	16.05	0.46	16.51	30	Pass
NVNT	g	2437	Ant1	16.41	0.49	16.9	30	Pass
NVNT	g	2462	Ant1	16.62	0.47	17.09	30	Pass
NVNT	n20	2412	Ant1	15.57	0.53	16.1	30	Pass
NVNT	n20	2437	Ant1	15.48	0.54	16.02	30	Pass
NVNT	n20	2462	Ant1	15.71	0.54	16.25	30	Pass
NVNT	n40	2422	Ant1	14.4	1.01	15.41	30	Pass
NVNT	n40	2437	Ant1	14.61	1.01	15.62	30	Pass
NVNT	n40	2452	Ant1	13.67	1.05	14.72	30	Pass



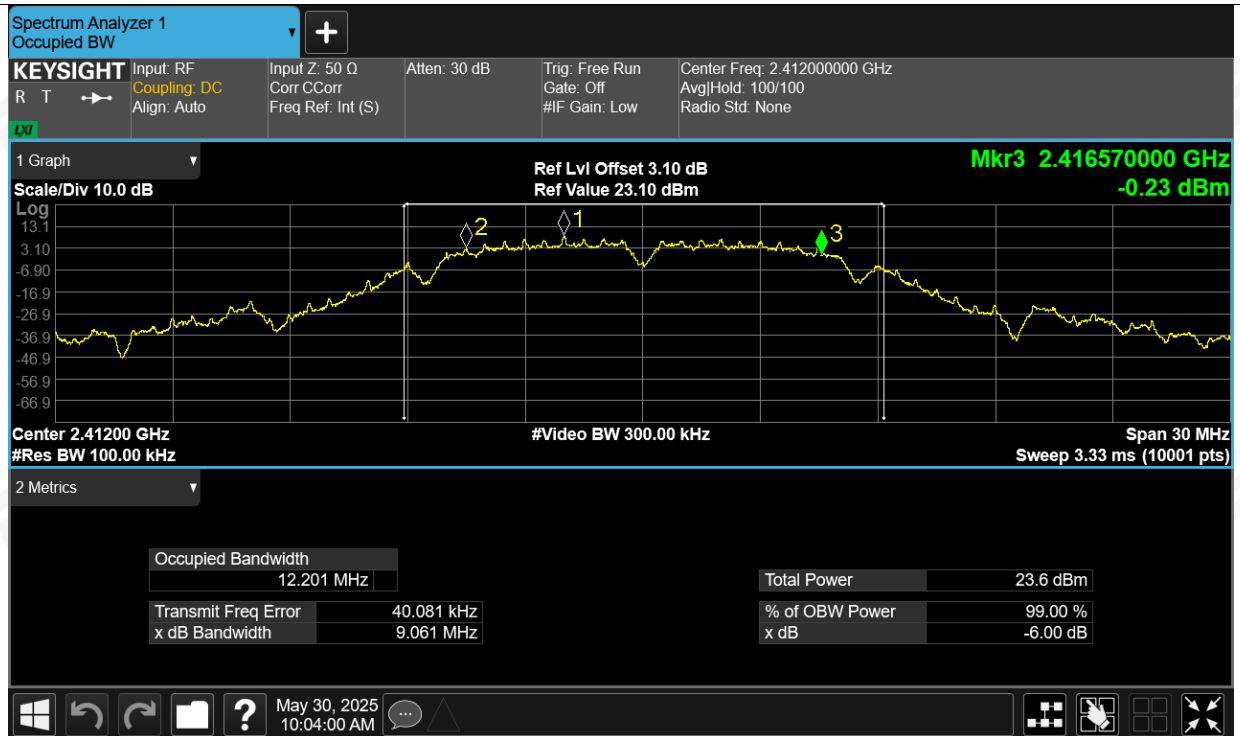
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant1	9.061	0.5	Pass
NVNT	b	2437	Ant1	9.093	0.5	Pass
NVNT	b	2462	Ant1	9.573	0.5	Pass
NVNT	g	2412	Ant1	15.701	0.5	Pass
NVNT	g	2437	Ant1	16.312	0.5	Pass
NVNT	g	2462	Ant1	16.366	0.5	Pass
NVNT	n20	2412	Ant1	17.138	0.5	Pass
NVNT	n20	2437	Ant1	17.143	0.5	Pass
NVNT	n20	2462	Ant1	17.148	0.5	Pass
NVNT	n40	2422	Ant1	30.662	0.5	Pass
NVNT	n40	2437	Ant1	36.011	0.5	Pass
NVNT	n40	2452	Ant1	35.691	0.5	Pass



Test Graphs

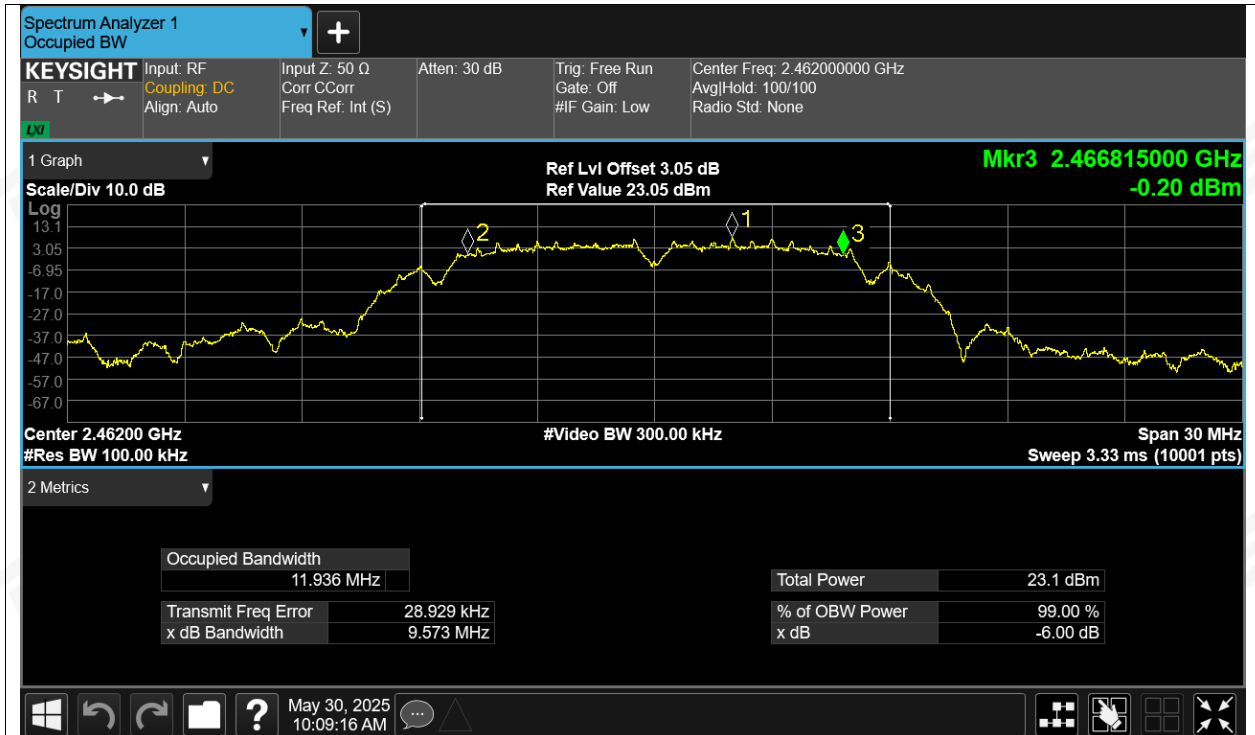
-6dB Bandwidth NVNT b 2412MHz Ant1



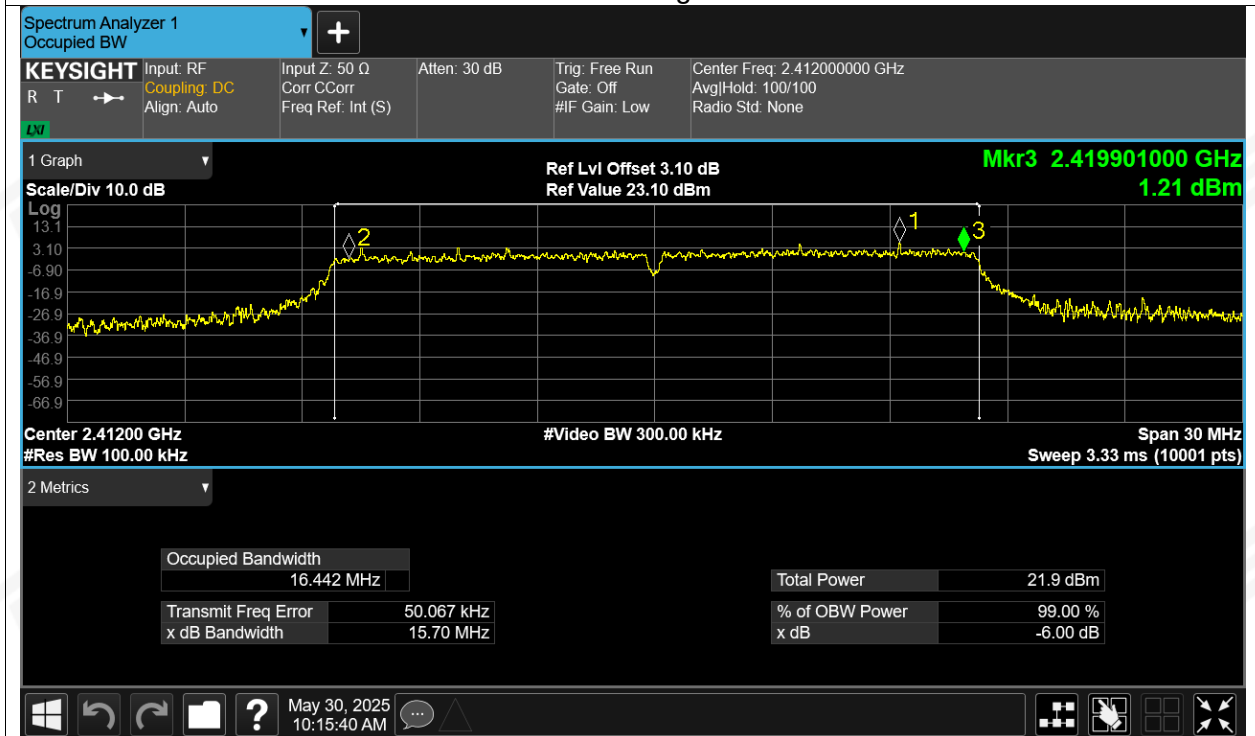
-6dB Bandwidth NVNT b 2437MHz Ant1



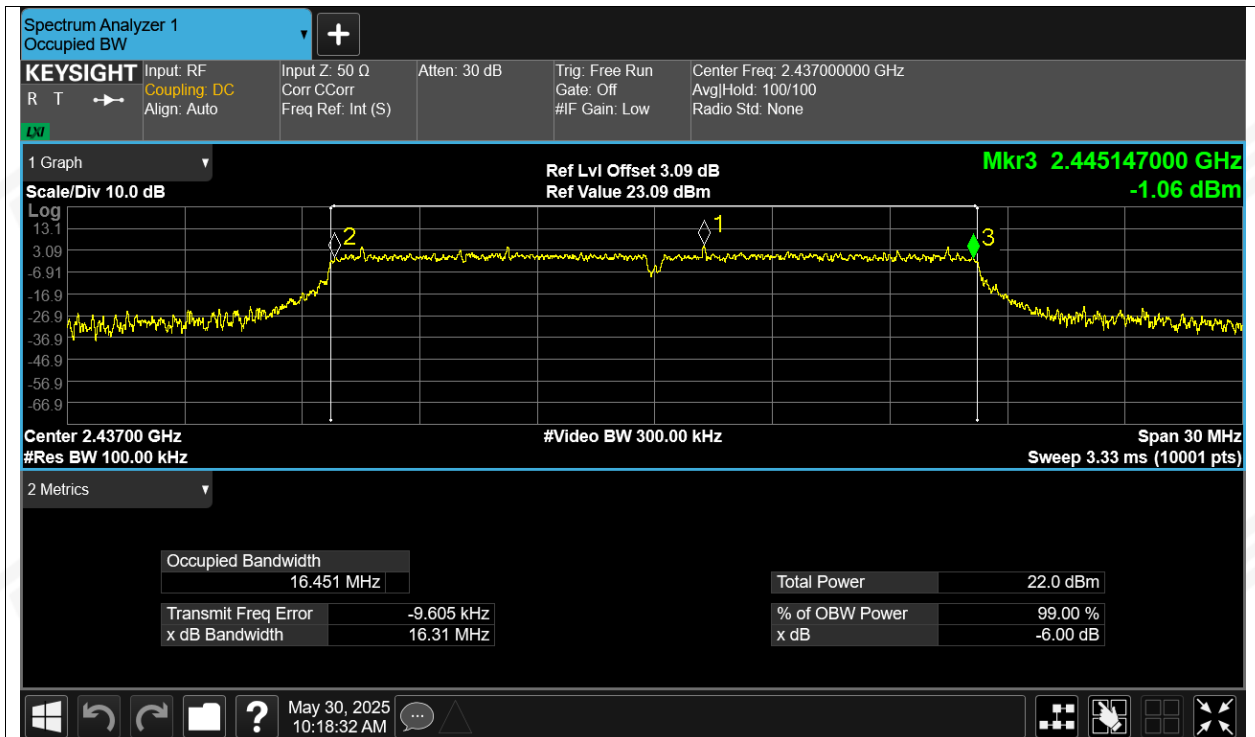
-6dB Bandwidth NVNT b 2462MHz Ant1



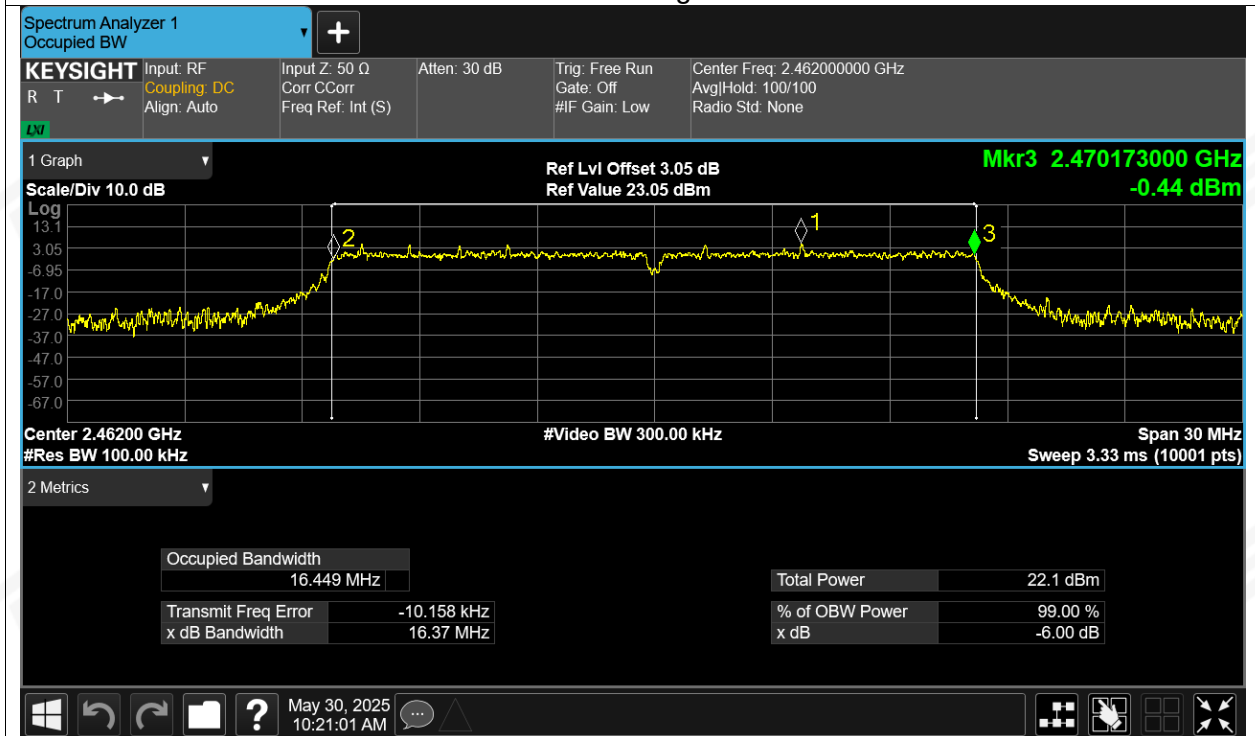
-6dB Bandwidth NVNT g 2412MHz Ant1



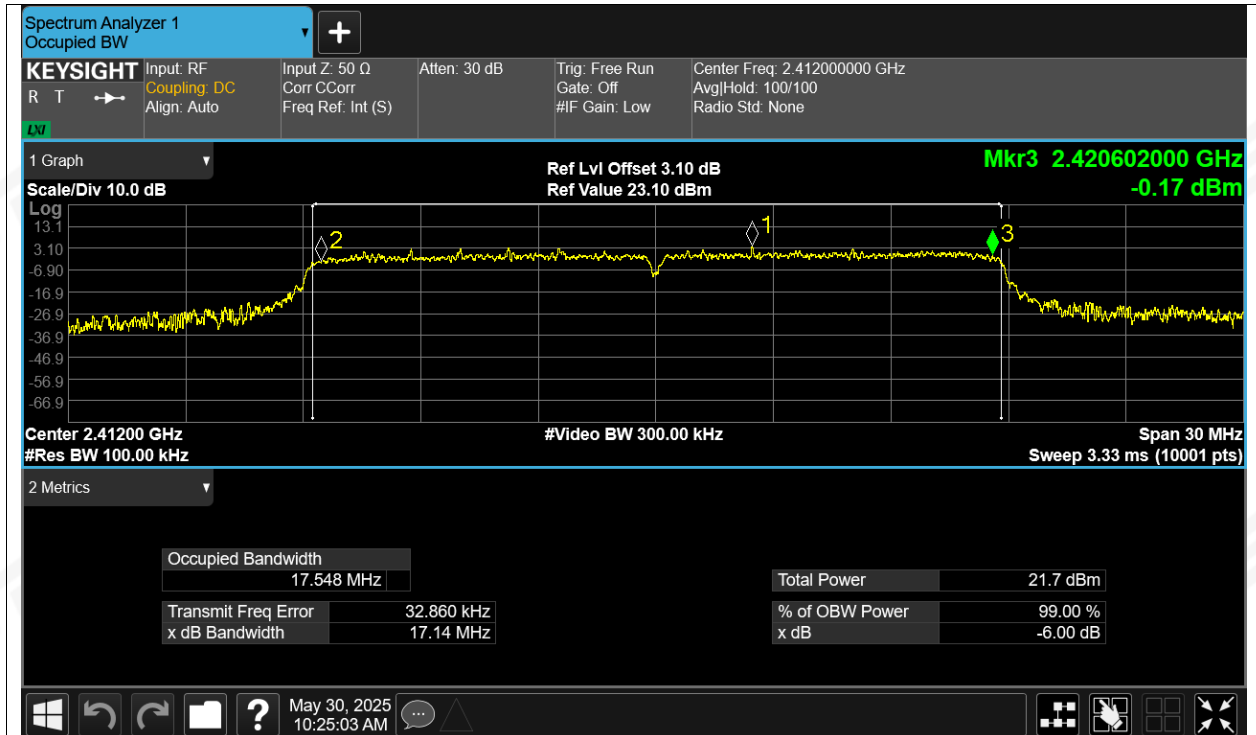
-6dB Bandwidth NVNT g 2437MHz Ant1



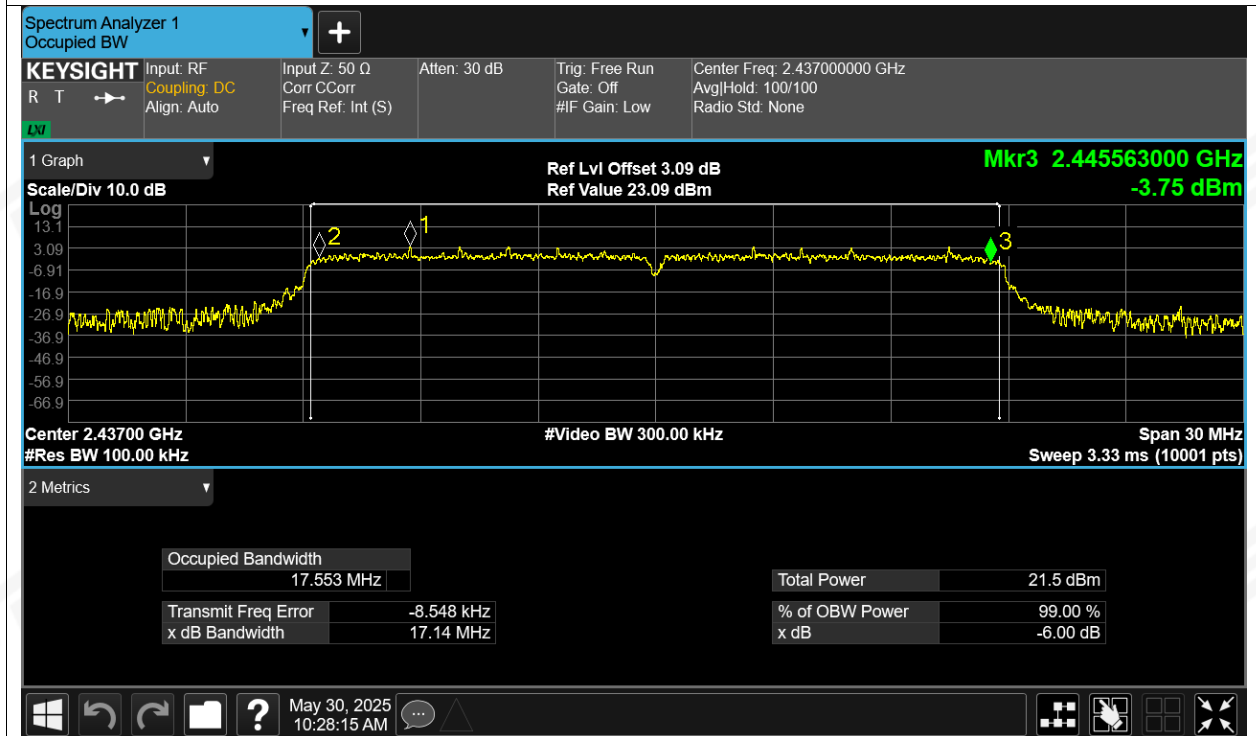
-6dB Bandwidth NVNT g 2462MHz Ant1



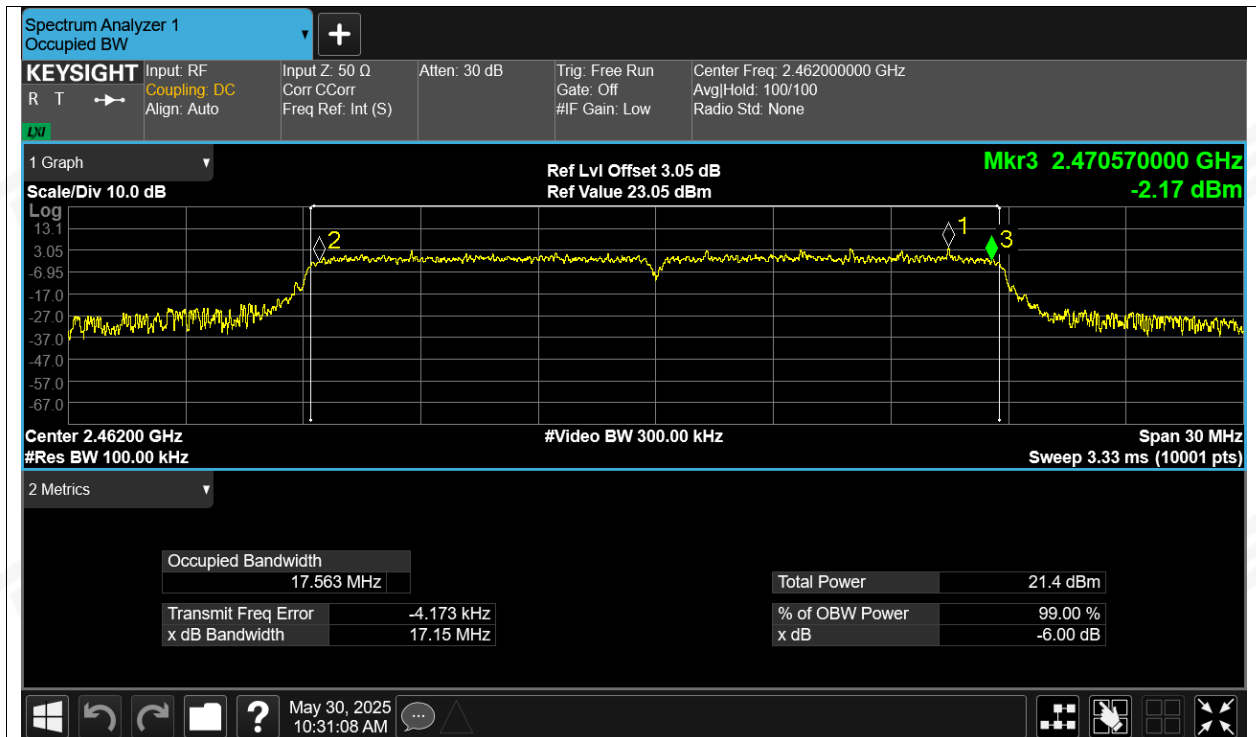
-6dB Bandwidth NVNT n20 2412MHz Ant1



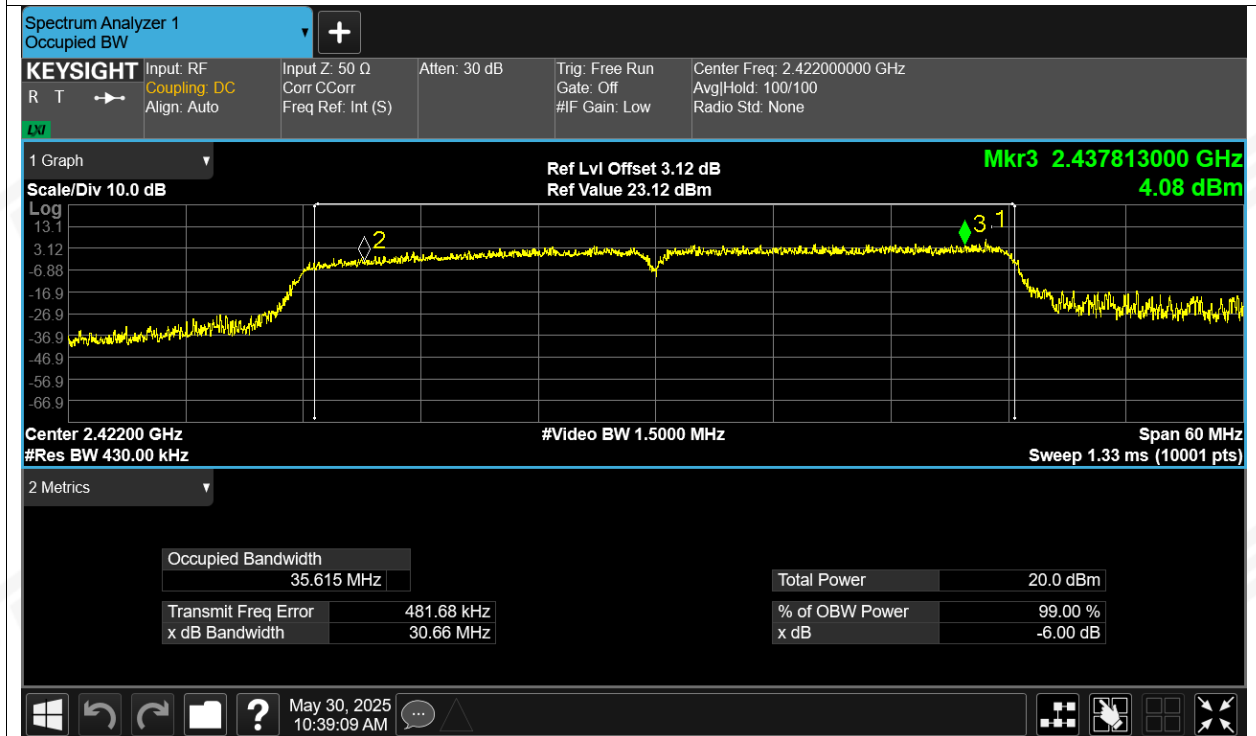
-6dB Bandwidth NVNT n20 2437MHz Ant1



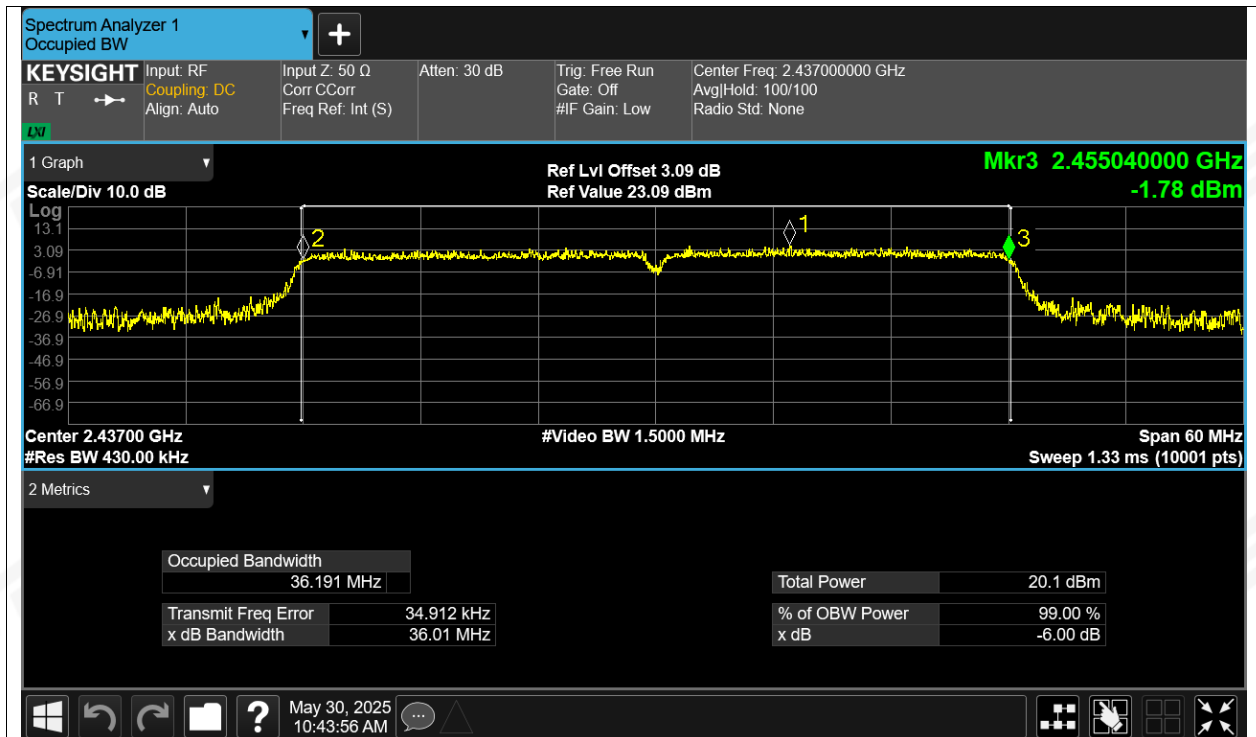
-6dB Bandwidth NVNT n20 2462MHz Ant1



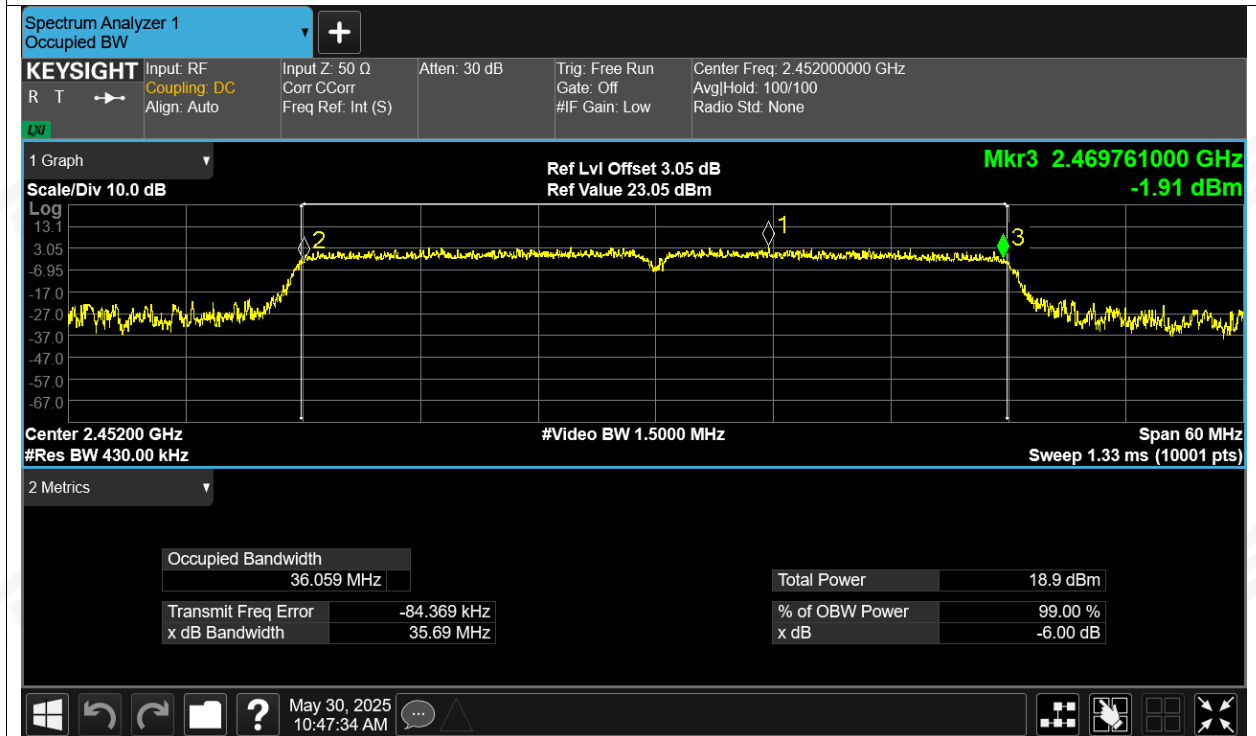
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



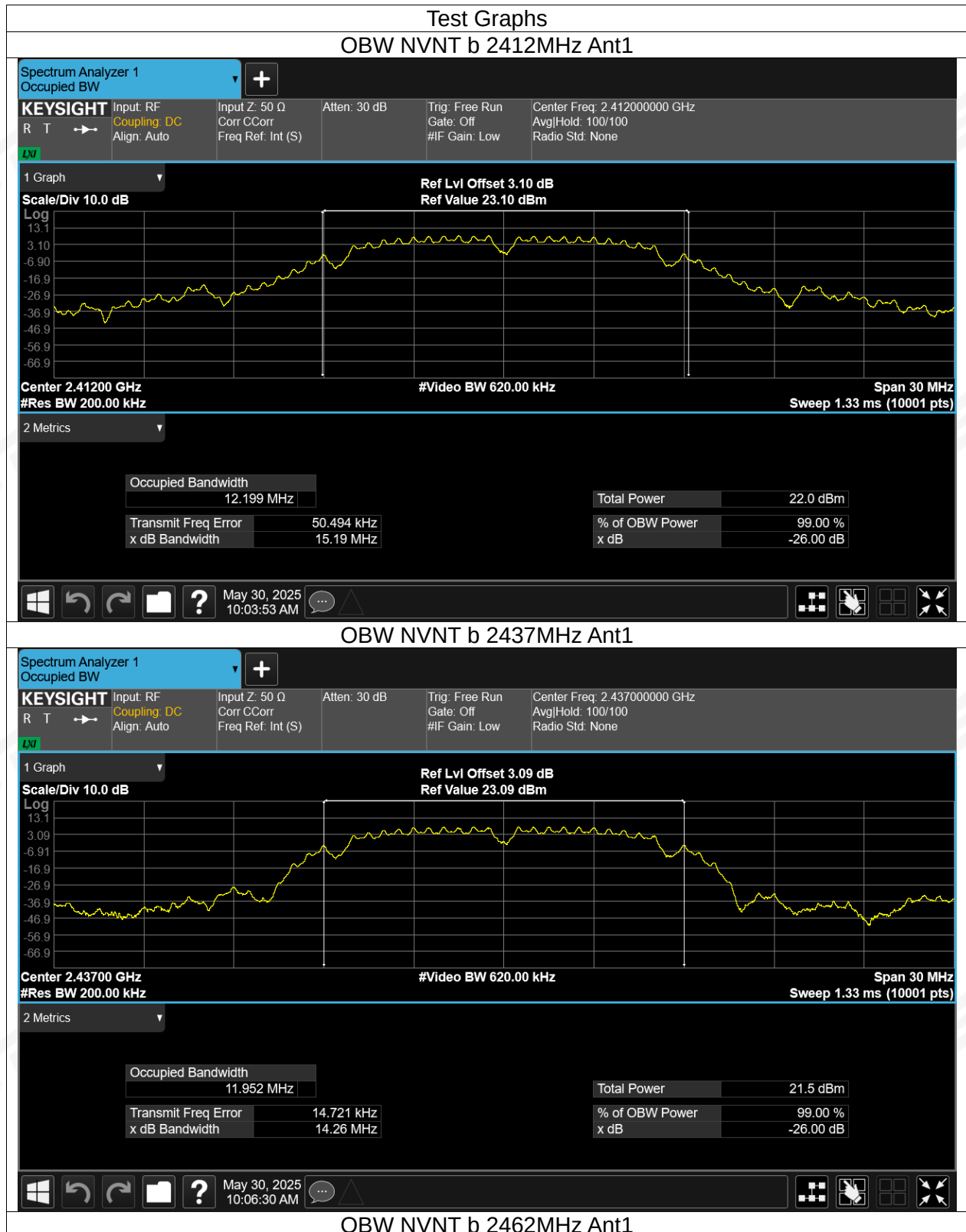
-6dB Bandwidth NVNT n40 2452MHz Ant1

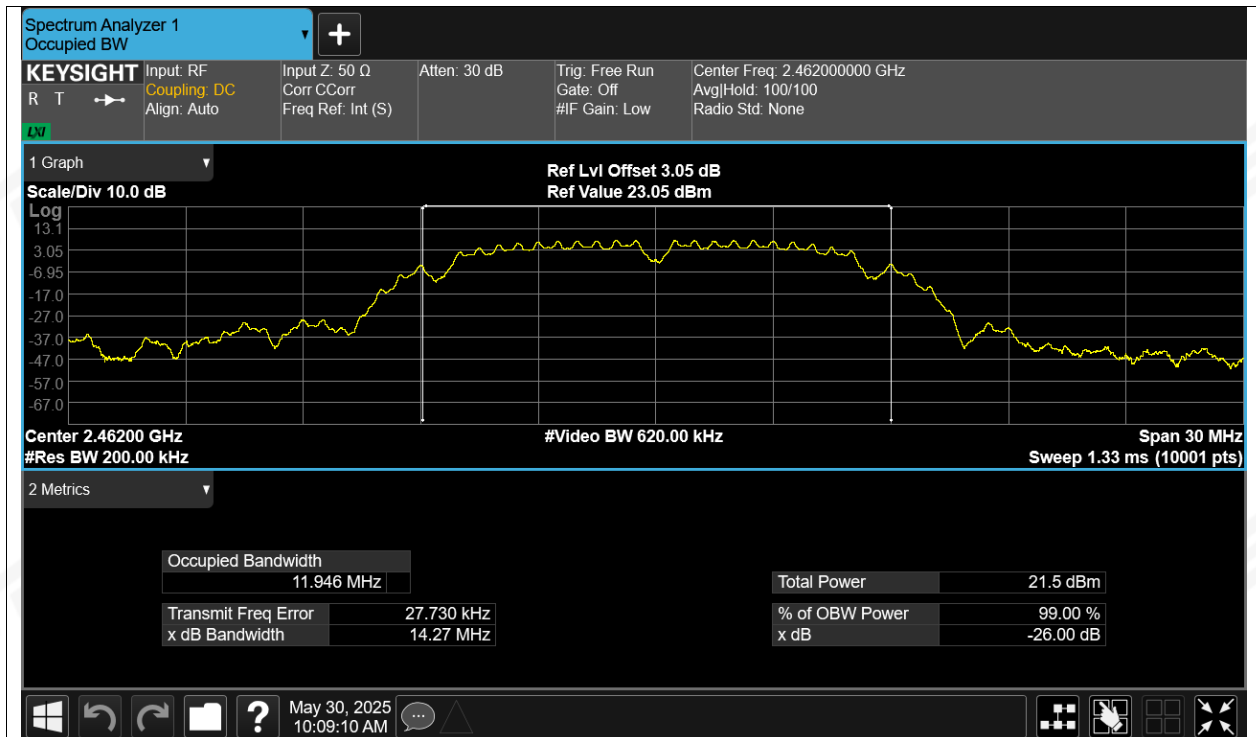




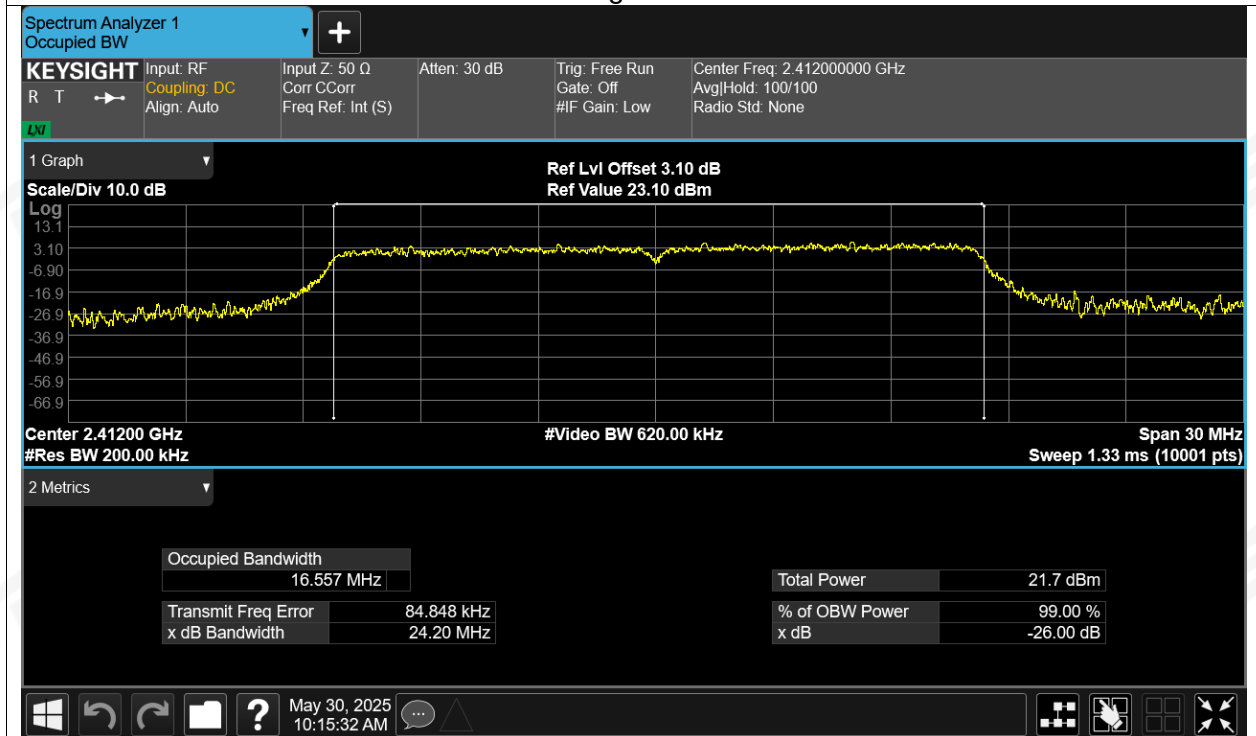
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.199
NVNT	b	2437	Ant1	11.952
NVNT	b	2462	Ant1	11.946
NVNT	g	2412	Ant1	16.557
NVNT	g	2437	Ant1	16.524
NVNT	g	2462	Ant1	16.55
NVNT	n20	2412	Ant1	17.636
NVNT	n20	2437	Ant1	17.611
NVNT	n20	2462	Ant1	17.626
NVNT	n40	2422	Ant1	35.718
NVNT	n40	2437	Ant1	36.16
NVNT	n40	2452	Ant1	36.085

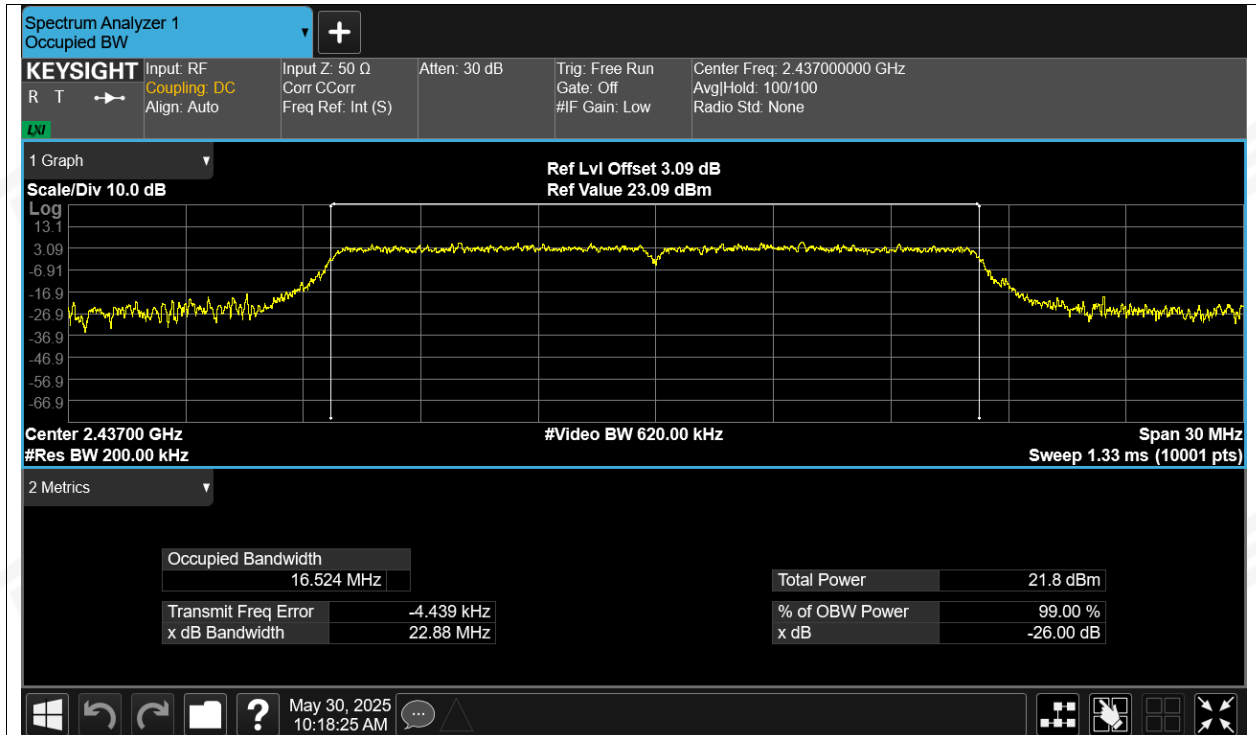




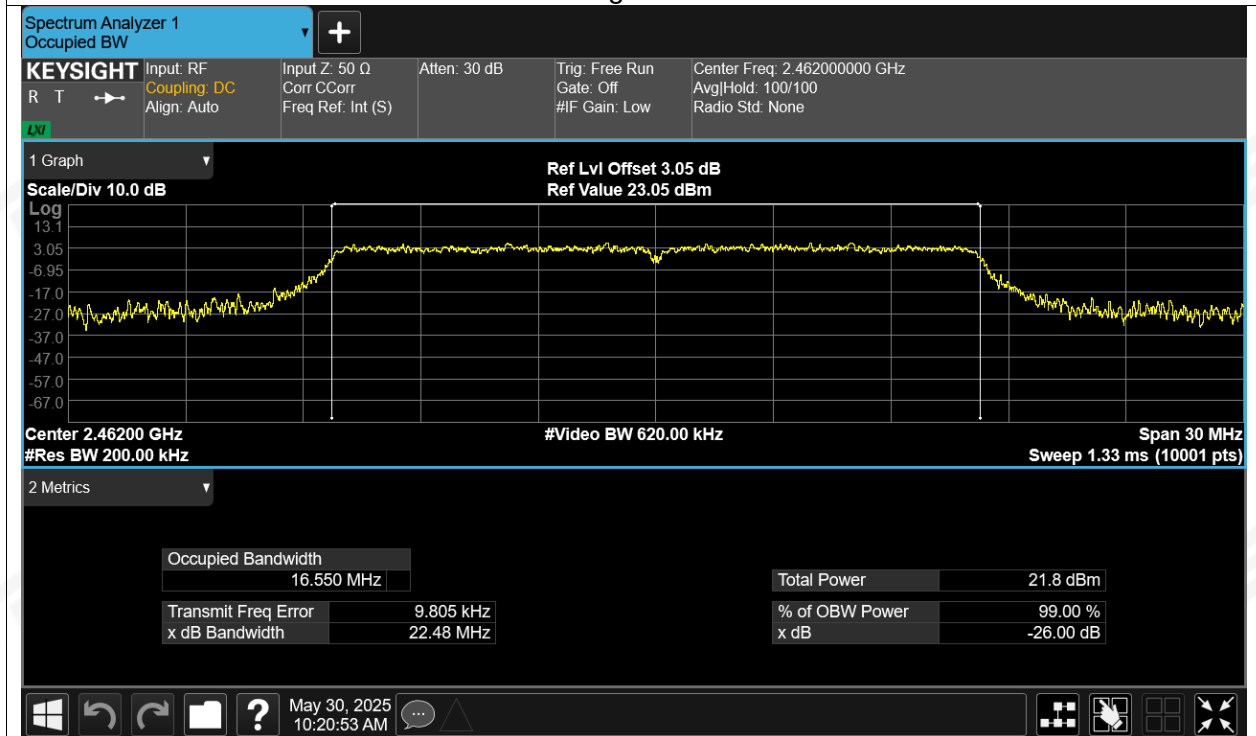
OBW NVNT g 2412MHz Ant1



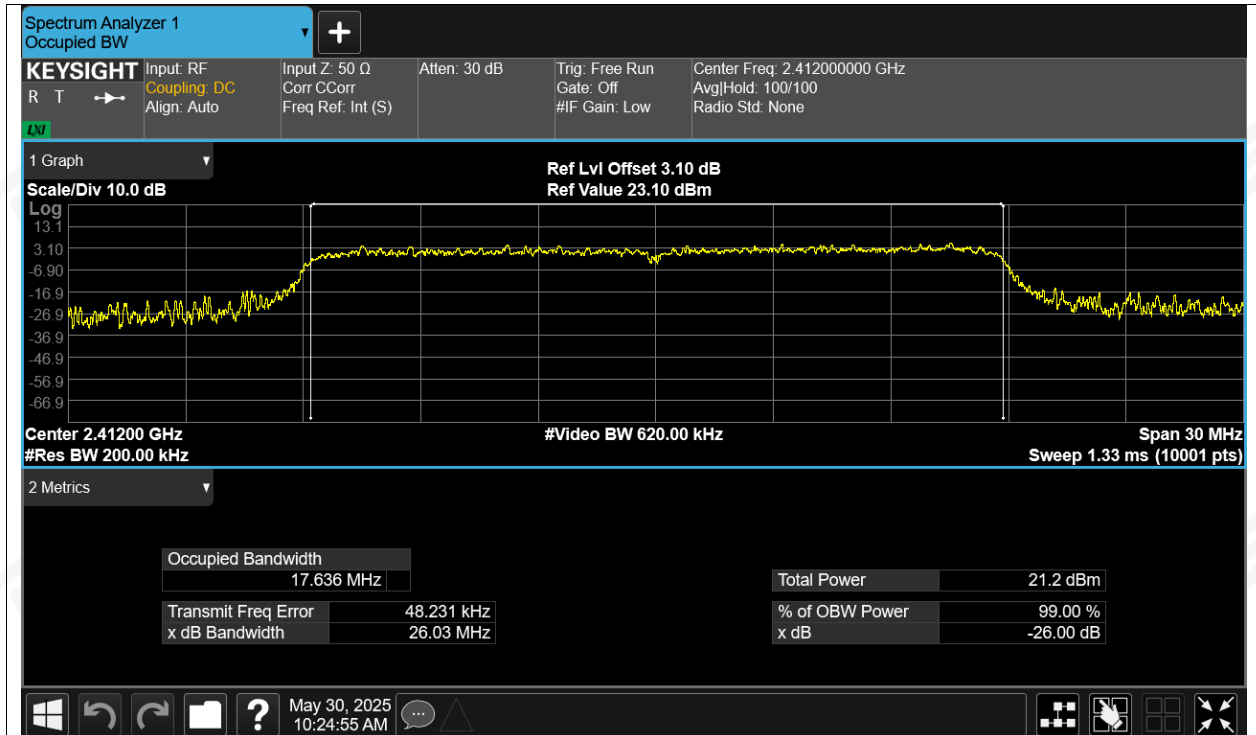
OBW NVNT g 2437MHz Ant1



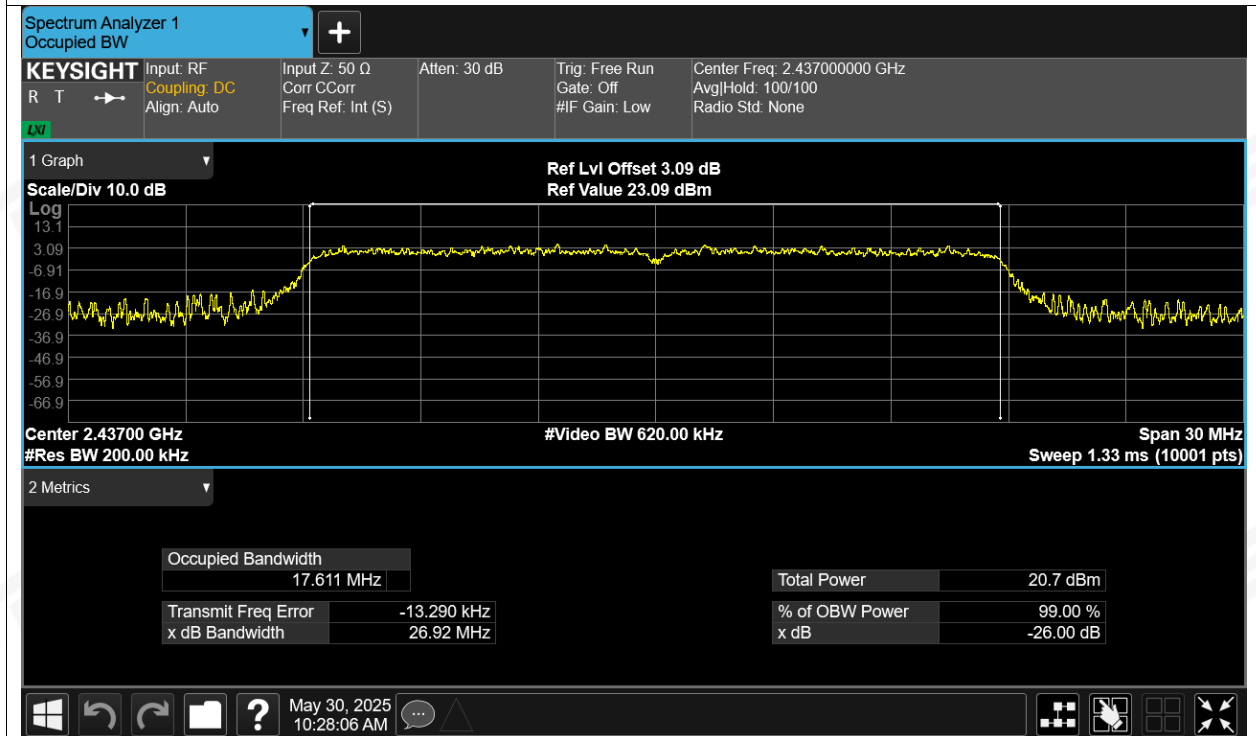
OBW NVNT g 2462MHz Ant1



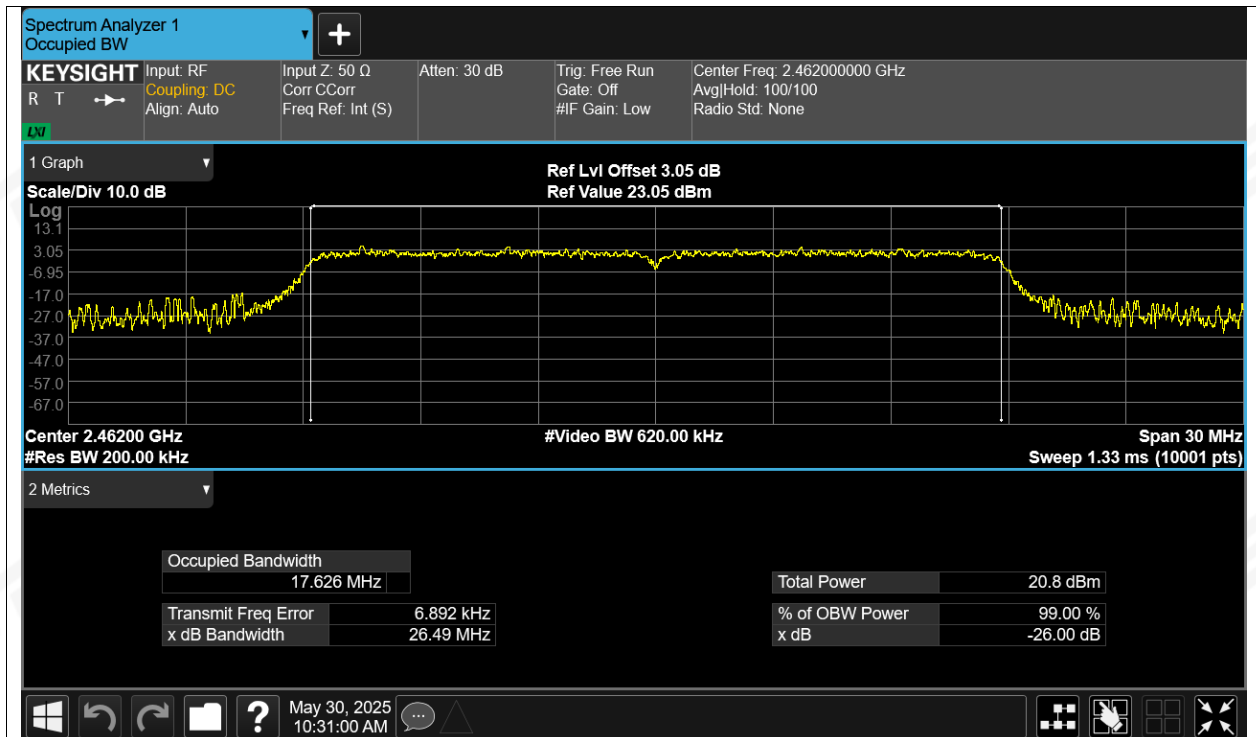
OBW NVNT n20 2412MHz Ant1



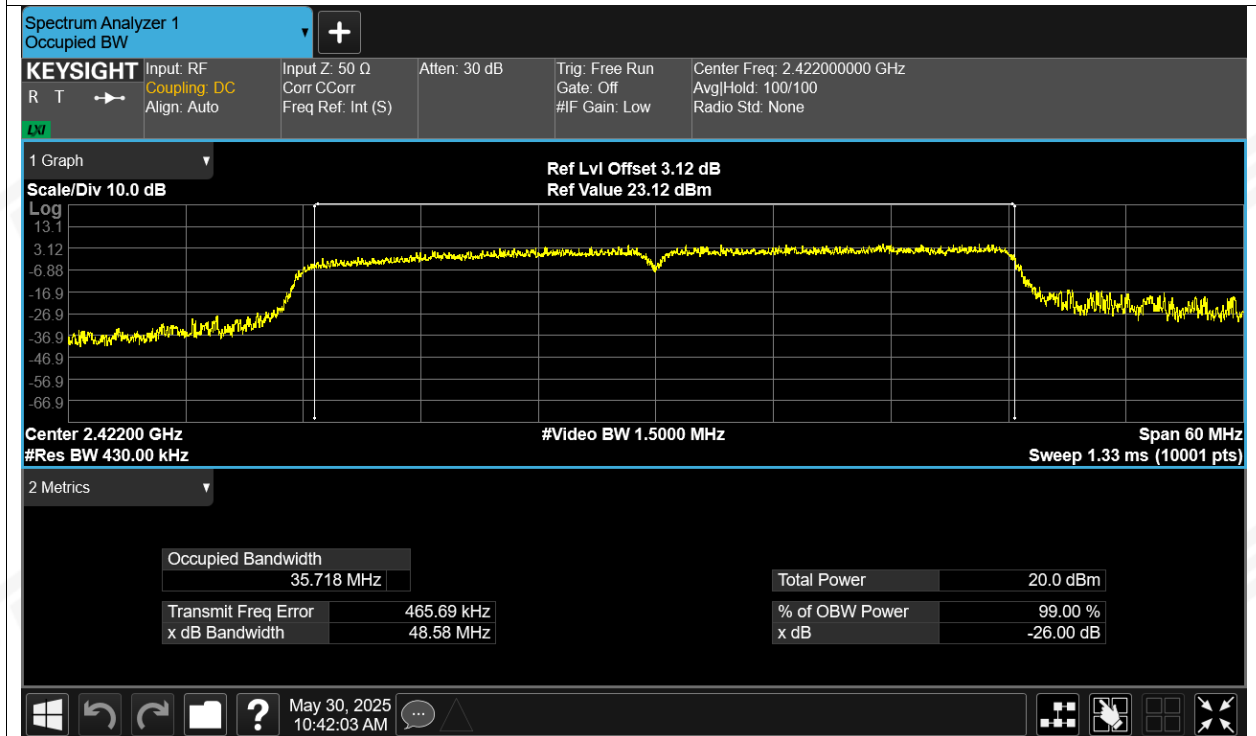
OBW NVNT n20 2437MHz Ant1



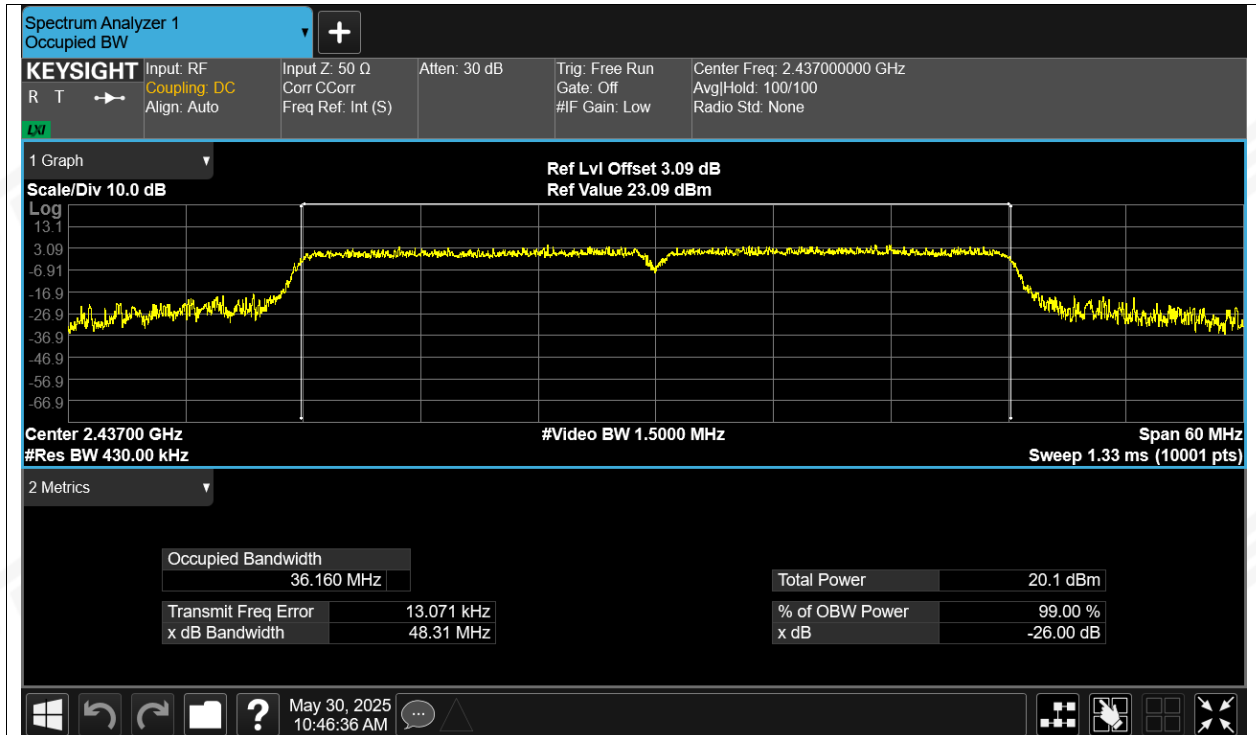
OBW NVNT n20 2462MHz Ant1



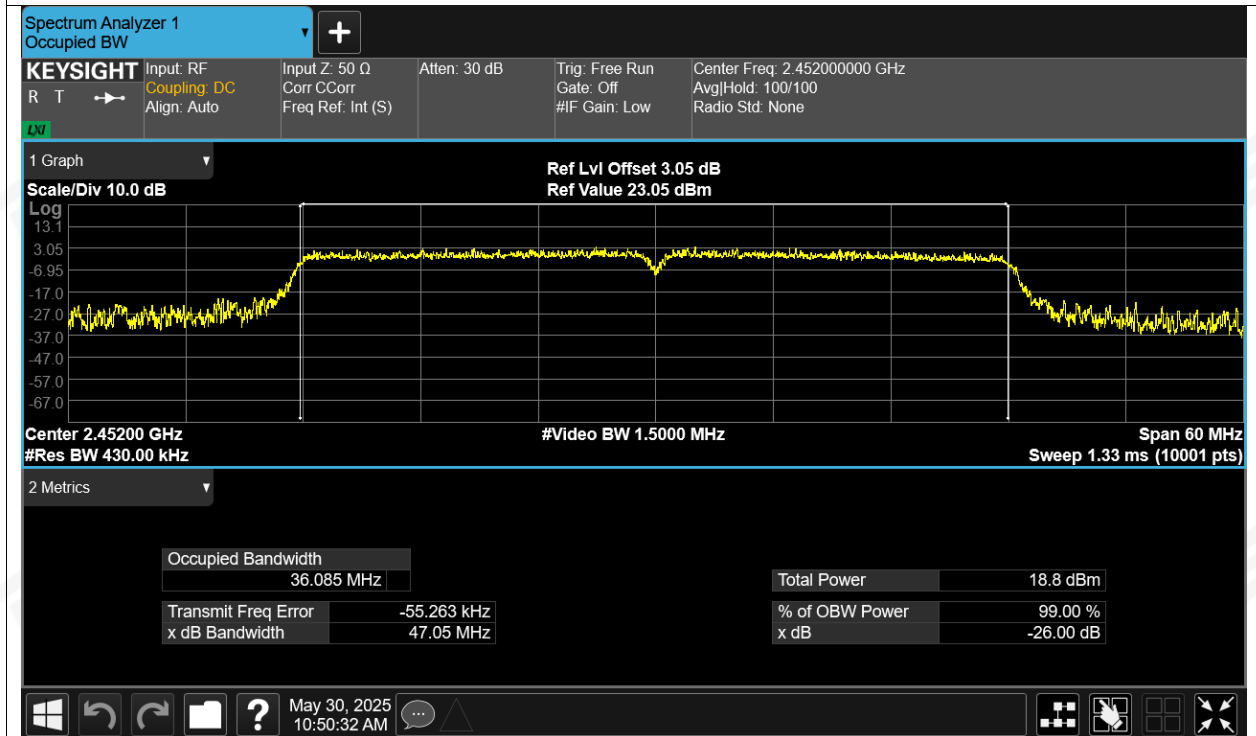
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1





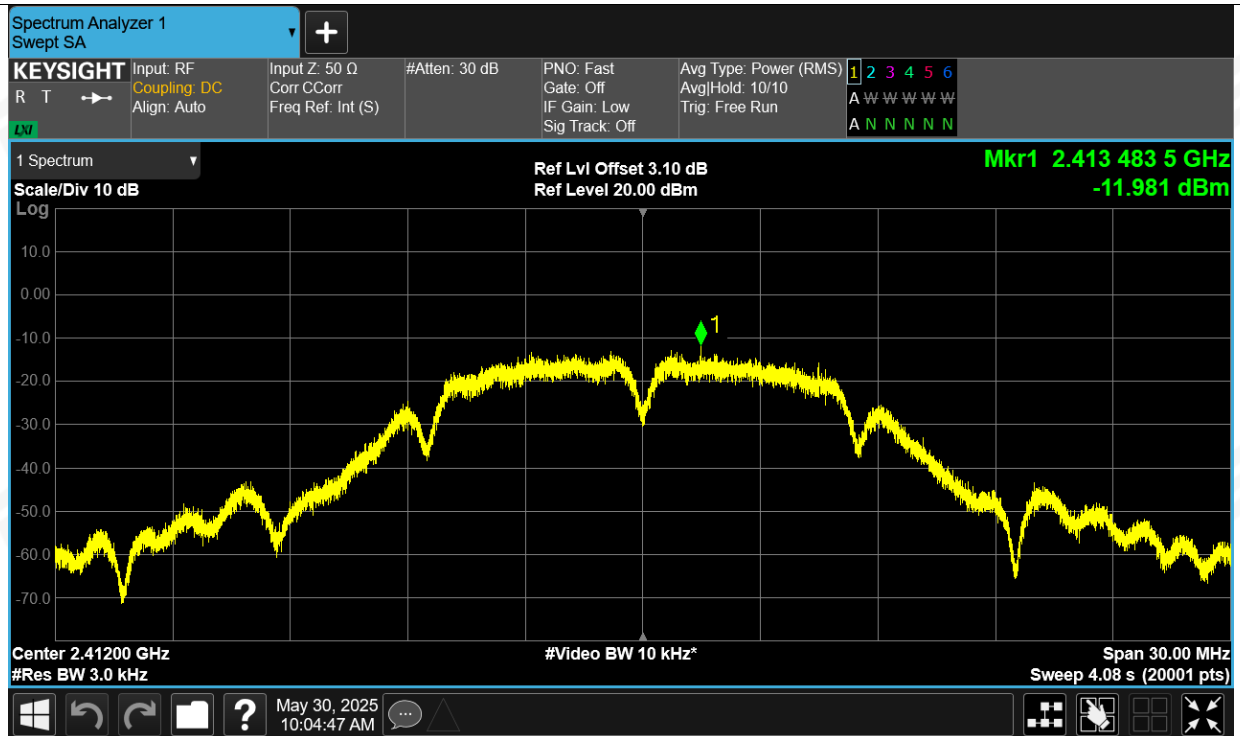
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-11.981	0.1	-11.881	8	Pass
NVNT	b	2437	Ant1	-14.048	0.08	-13.968	8	Pass
NVNT	b	2462	Ant1	-13.923	0.09	-13.833	8	Pass
NVNT	g	2412	Ant1	-16.443	0.46	-15.983	8	Pass
NVNT	g	2437	Ant1	-16.476	0.49	-15.986	8	Pass
NVNT	g	2462	Ant1	-15.668	0.47	-15.198	8	Pass
NVNT	n20	2412	Ant1	-17.586	0.53	-17.056	8	Pass
NVNT	n20	2437	Ant1	-17.953	0.54	-17.413	8	Pass
NVNT	n20	2462	Ant1	-17.624	0.54	-17.084	8	Pass
NVNT	n40	2422	Ant1	-20.511	1.01	-19.501	8	Pass
NVNT	n40	2437	Ant1	-21.13	1.01	-20.12	8	Pass
NVNT	n40	2452	Ant1	-22.149	1.05	-21.099	8	Pass

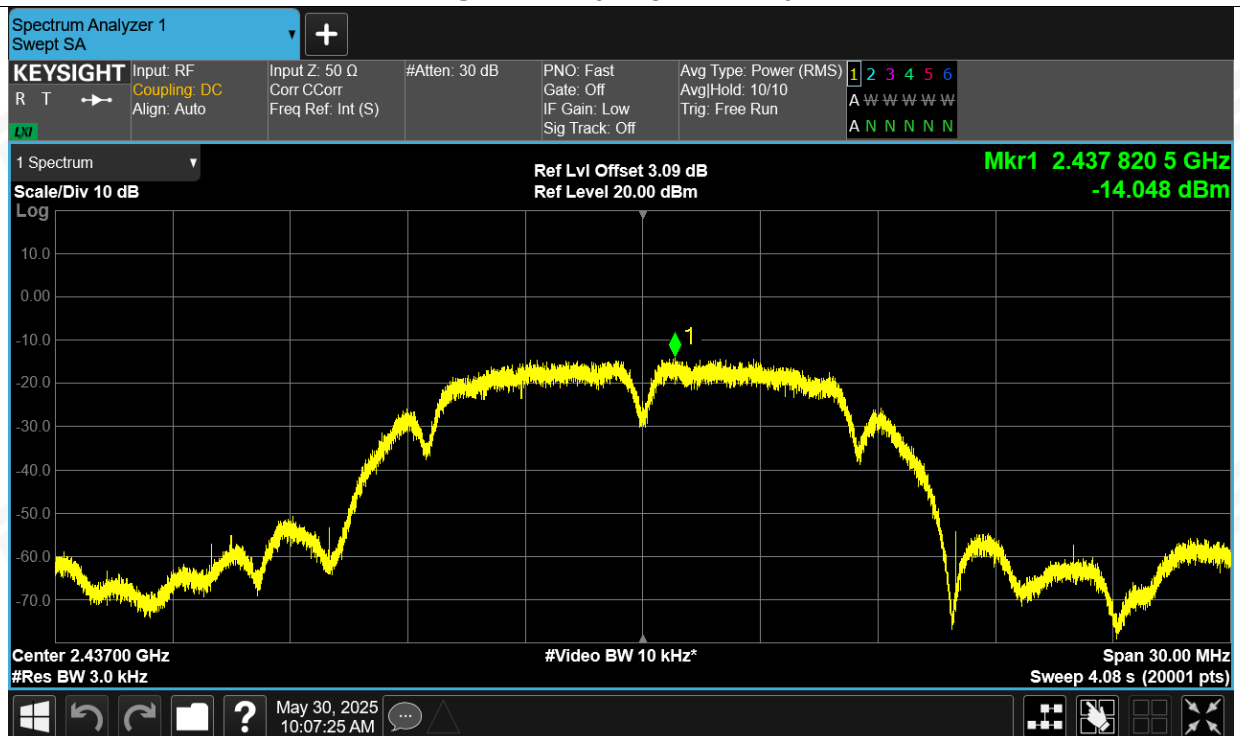


Test Graphs

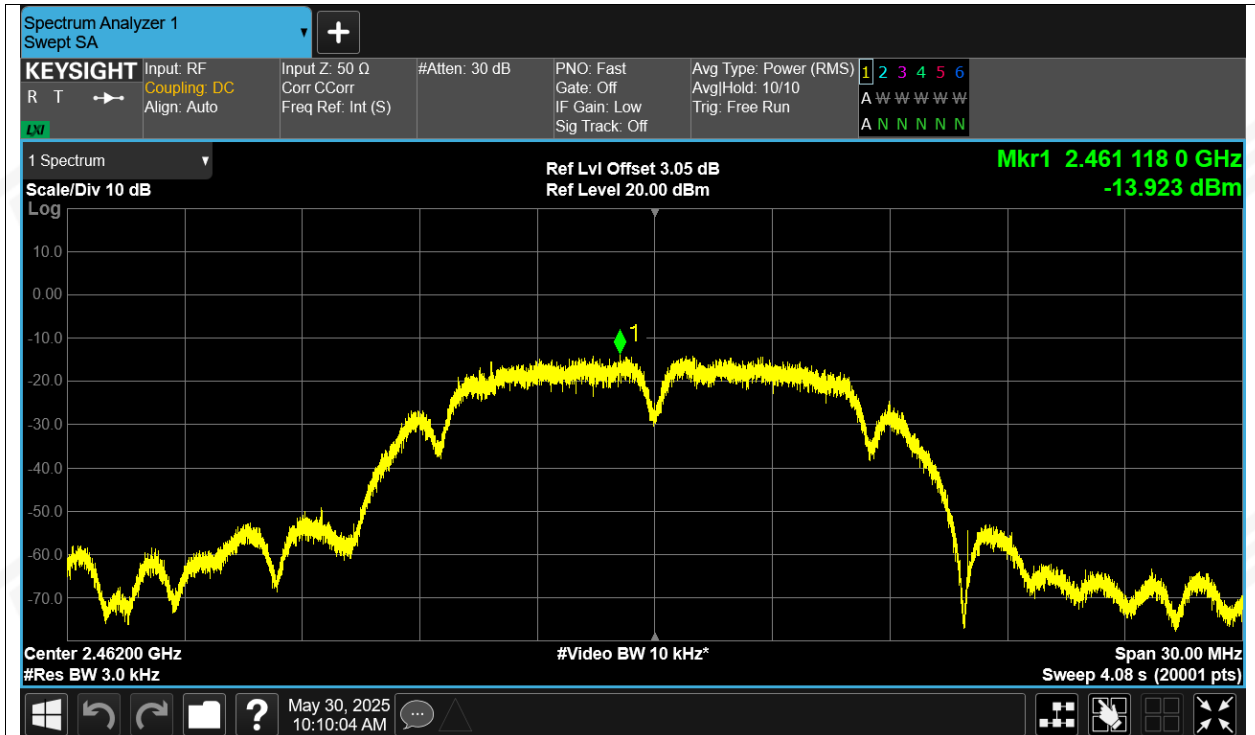
PSD NVNT b 2412MHz Ant1



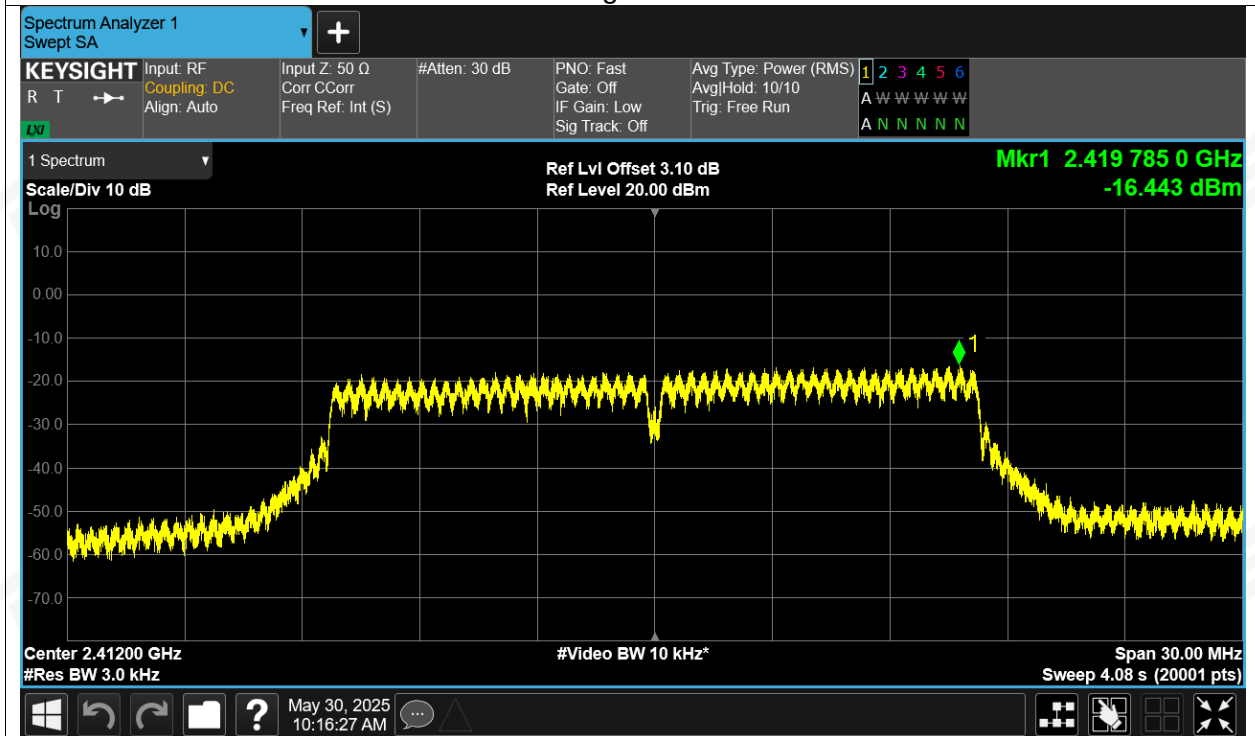
PSD NVNT b 2437MHz Ant1



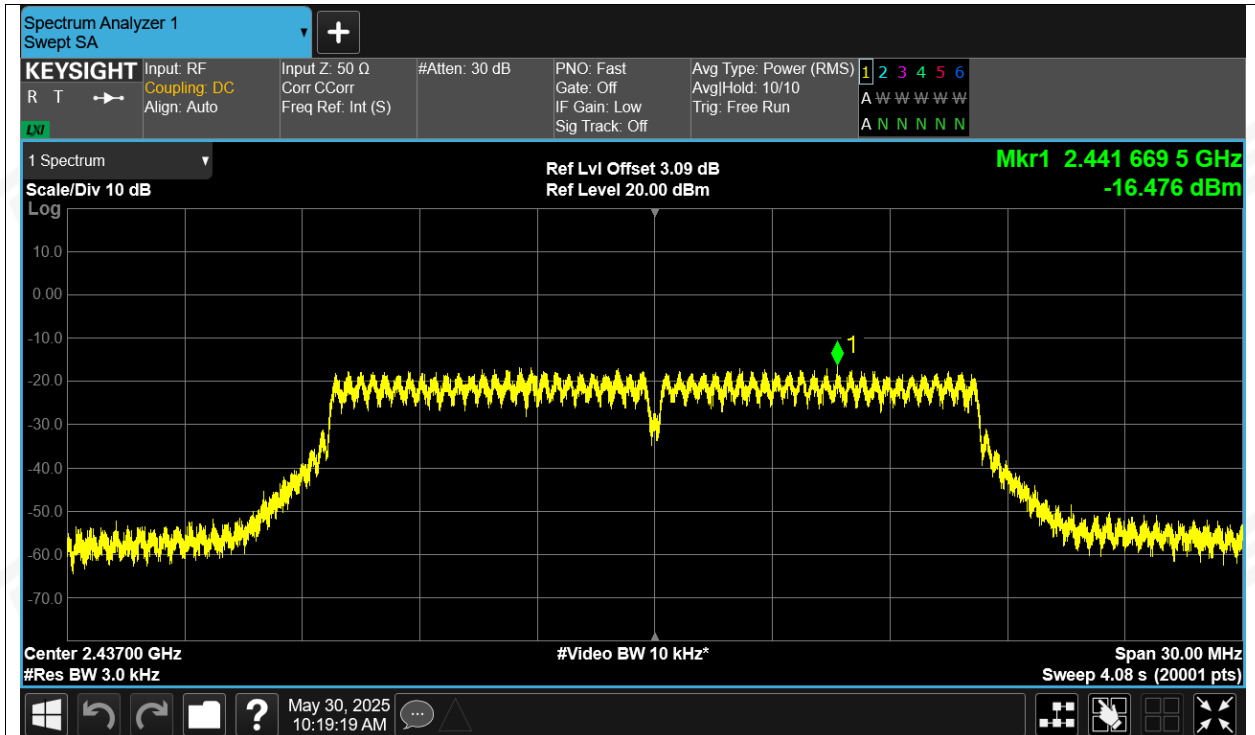
PSD NVNT b 2462MHz Ant1



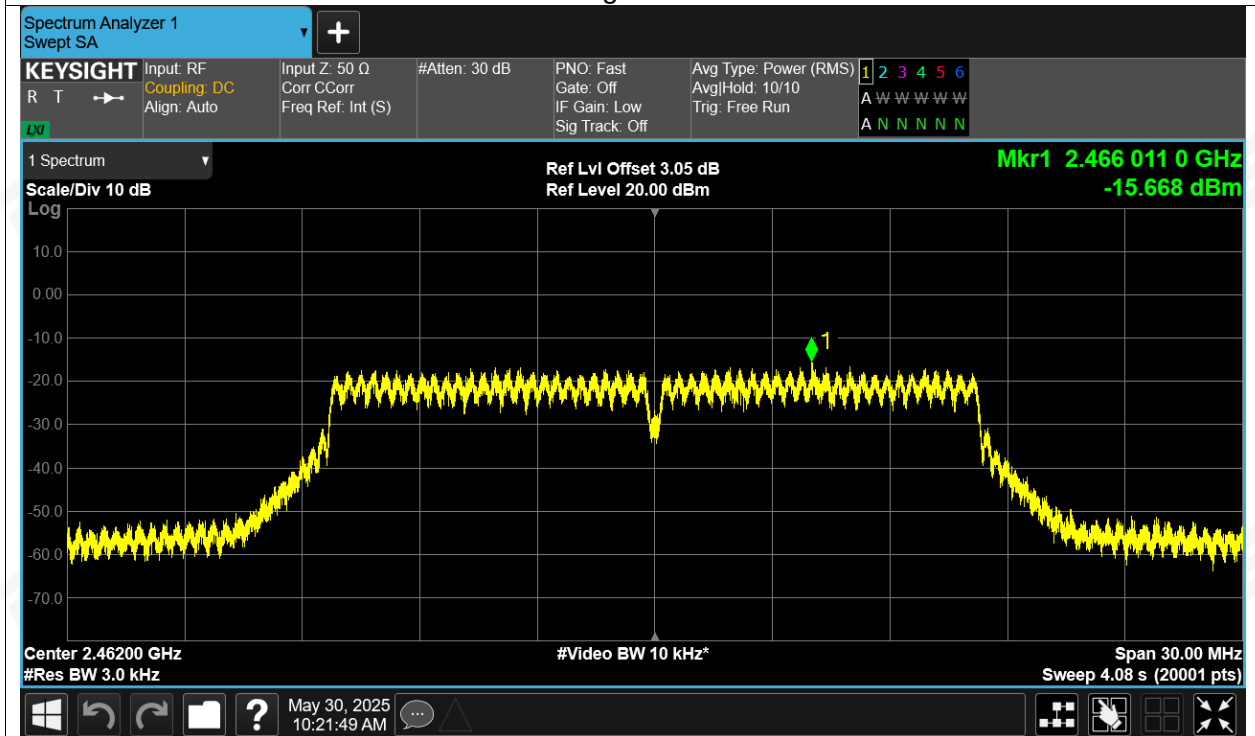
PSD NVNT g 2412MHz Ant1



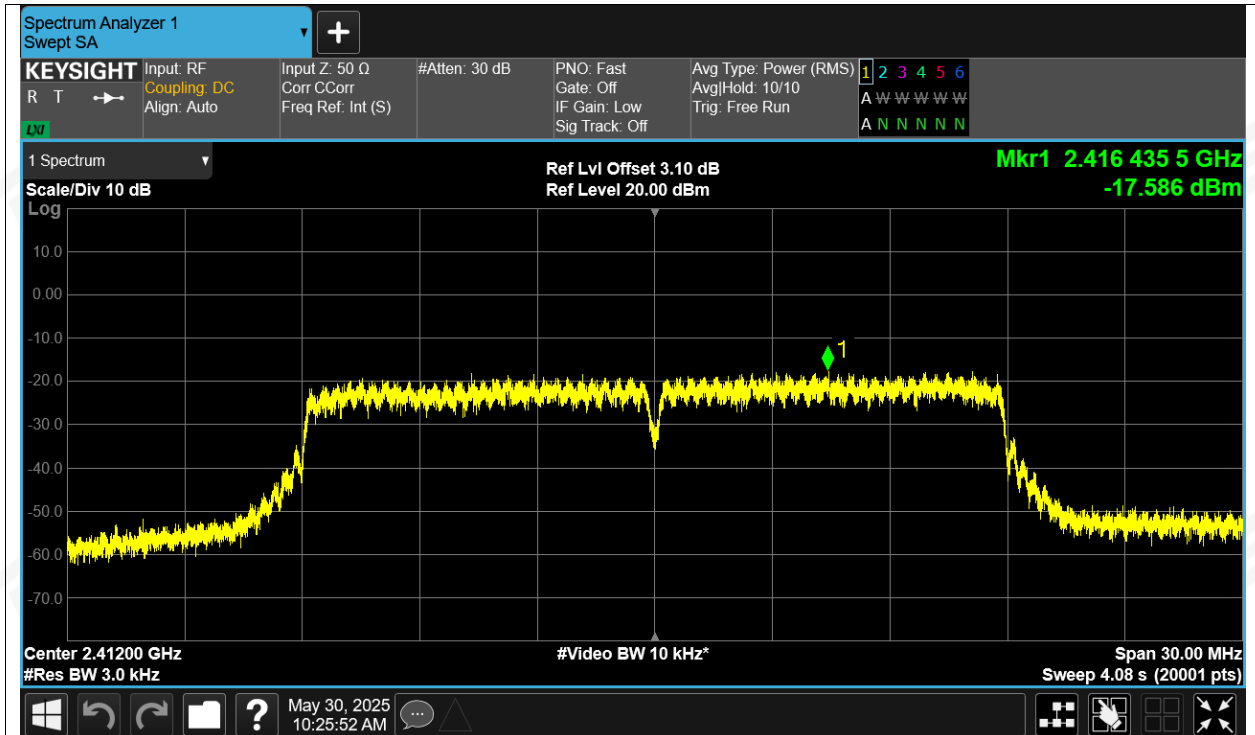
PSD NVNT g 2437MHz Ant1



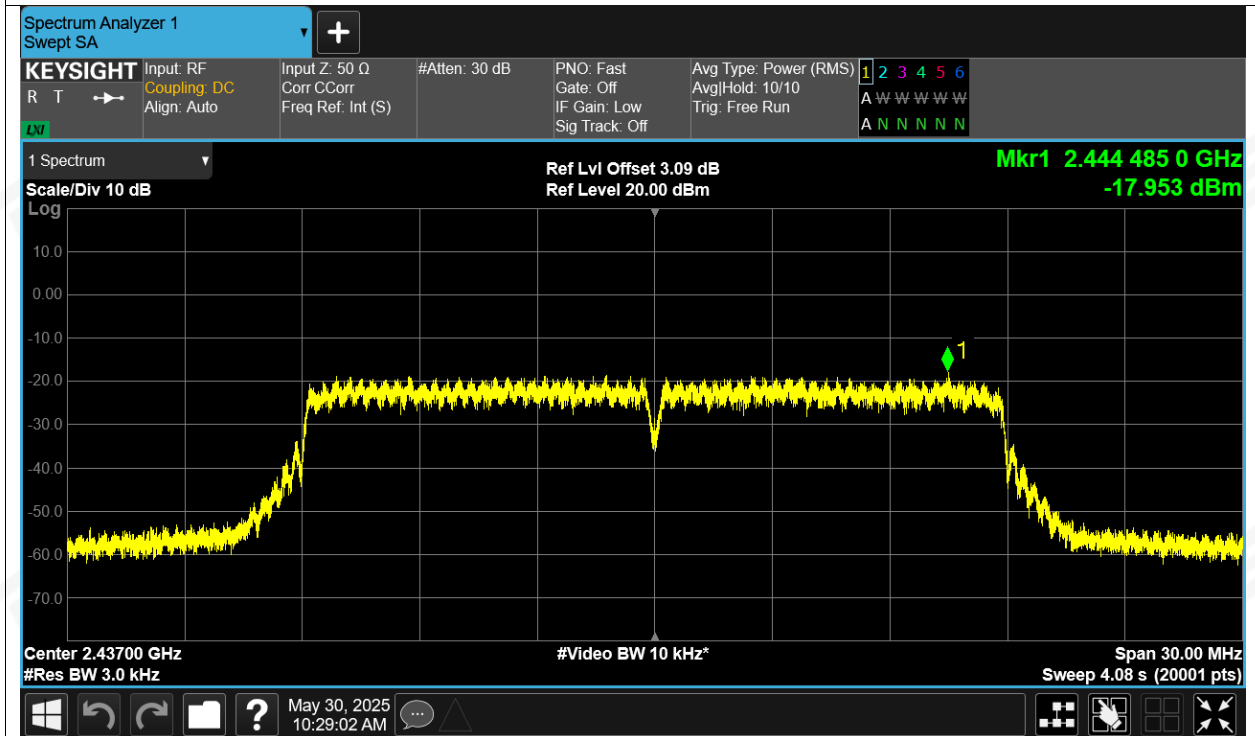
PSD NVNT g 2462MHz Ant1



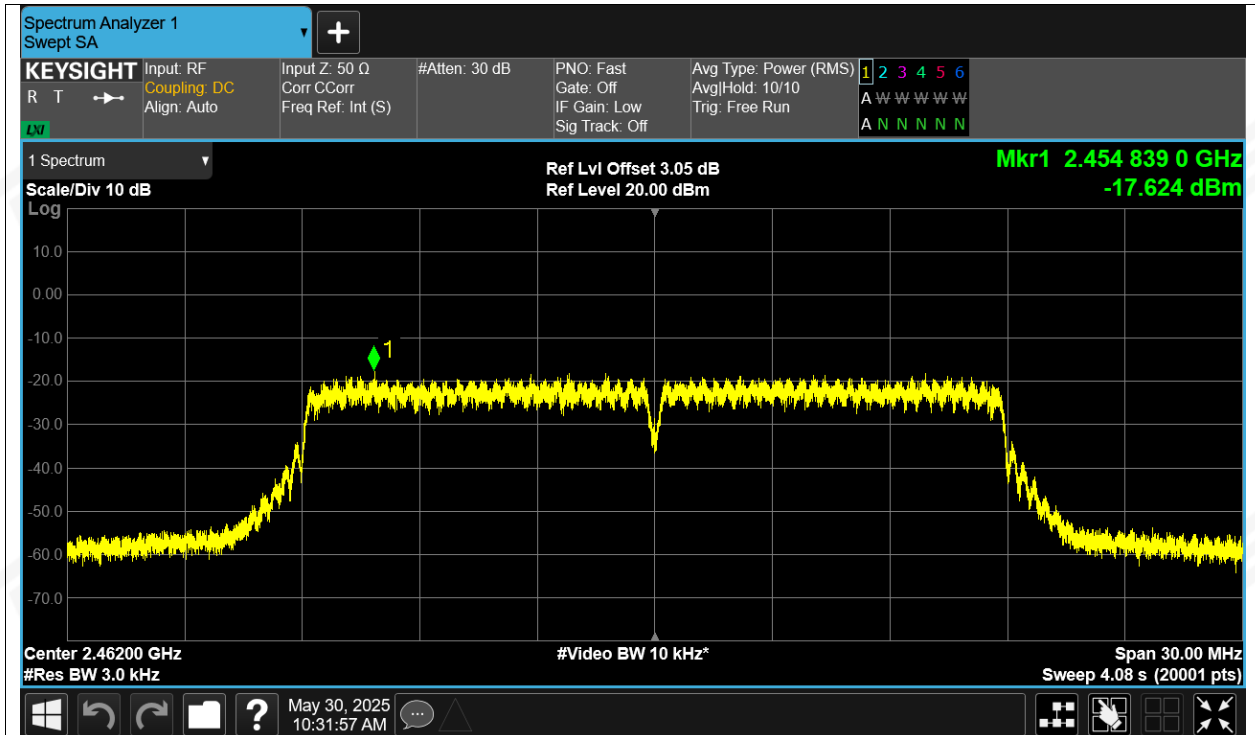
PSD NVNT n20 2412MHz Ant1



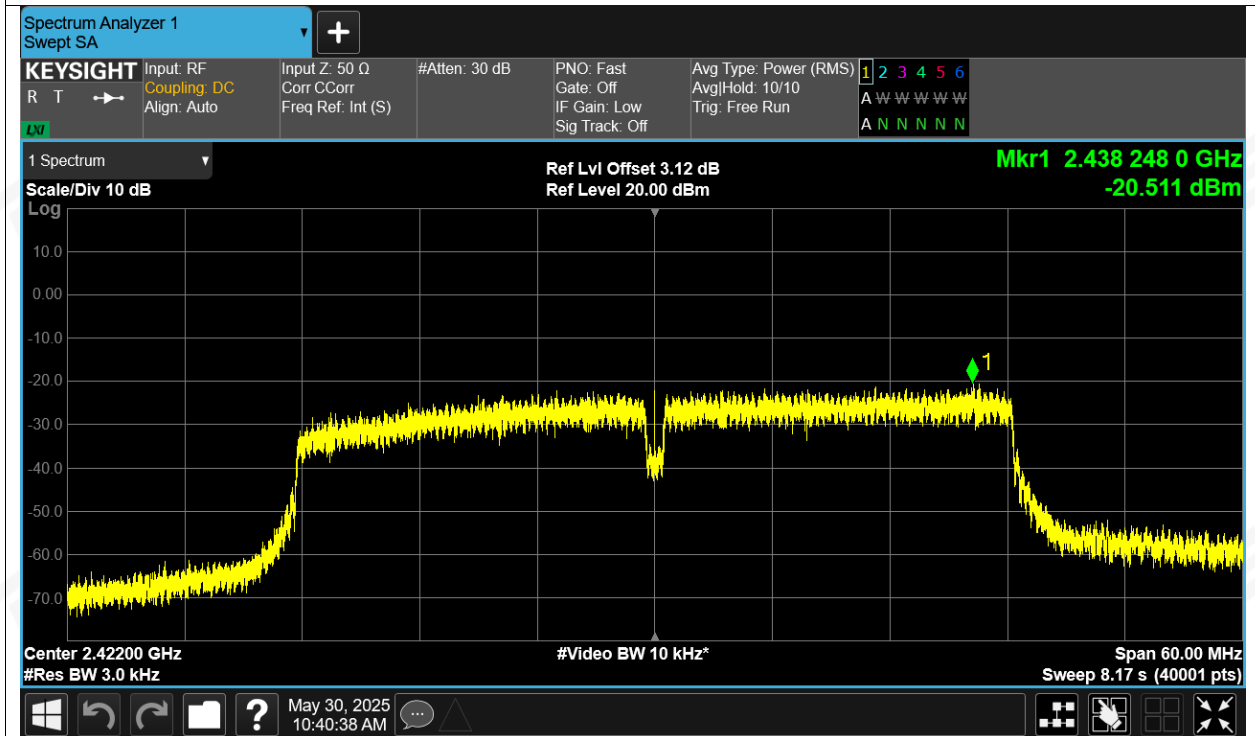
PSD NVNT n20 2437MHz Ant1



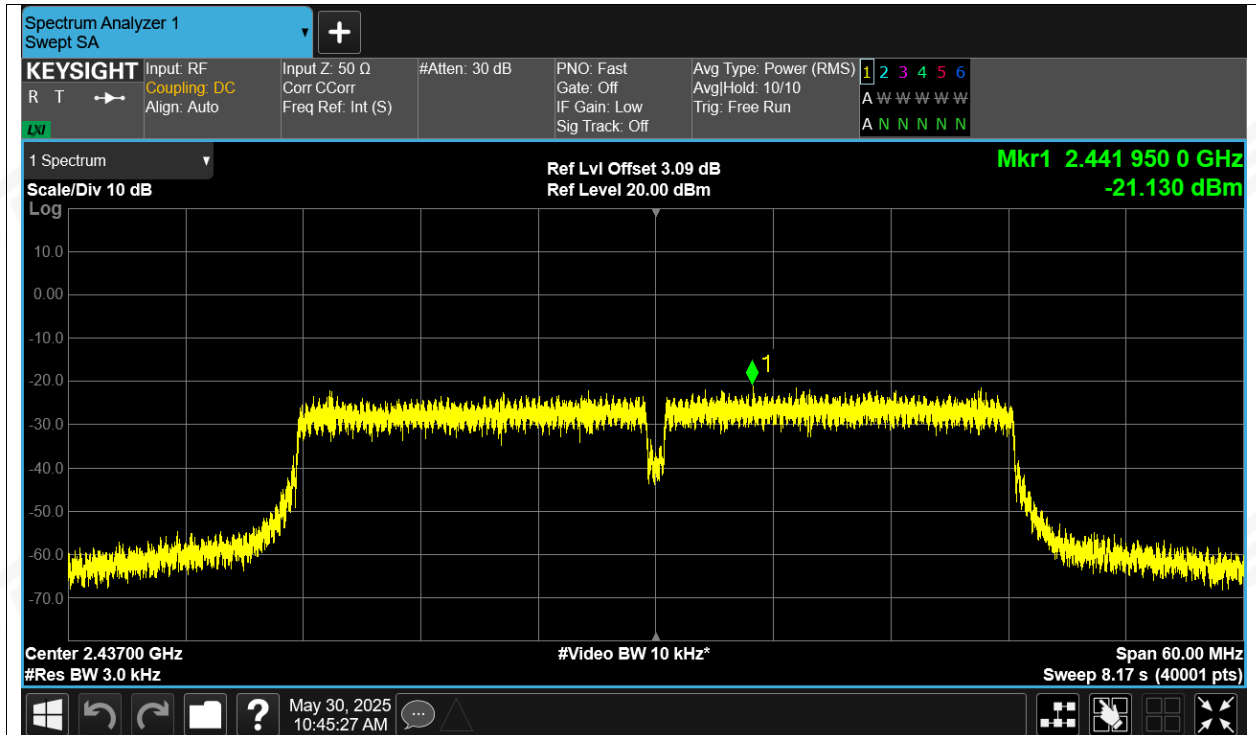
PSD NVNT n20 2462MHz Ant1



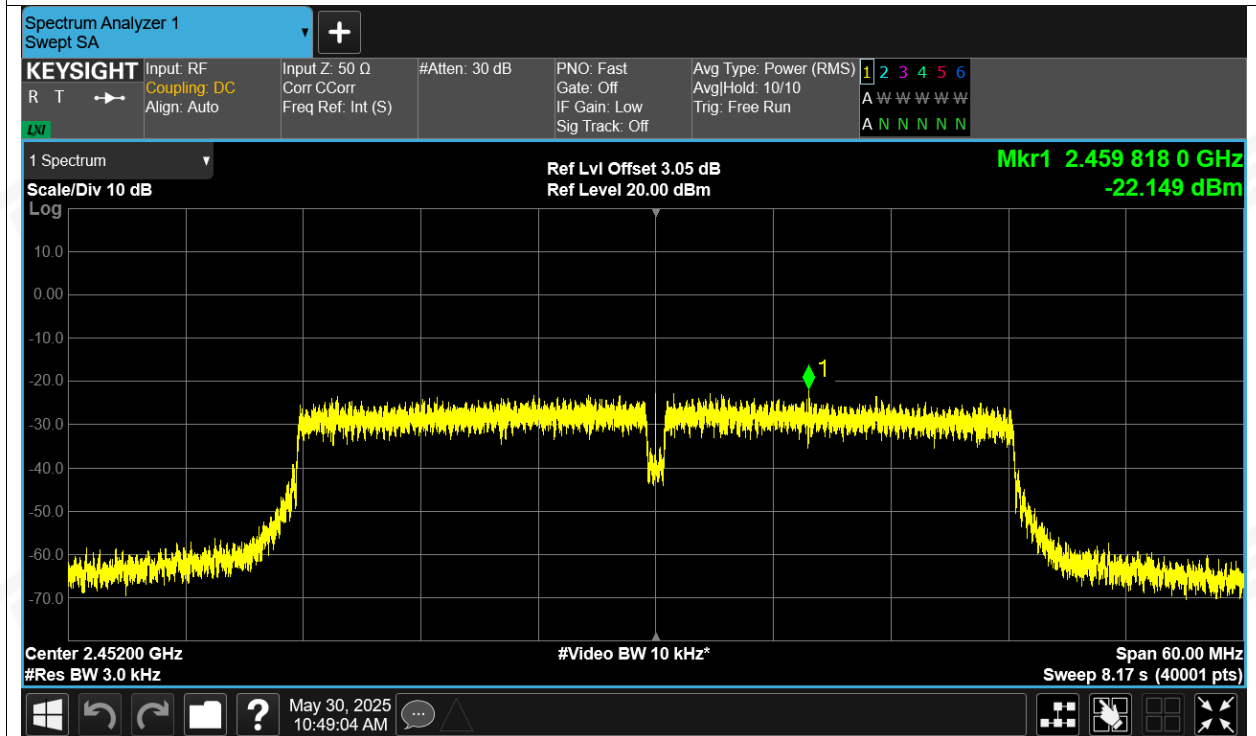
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1





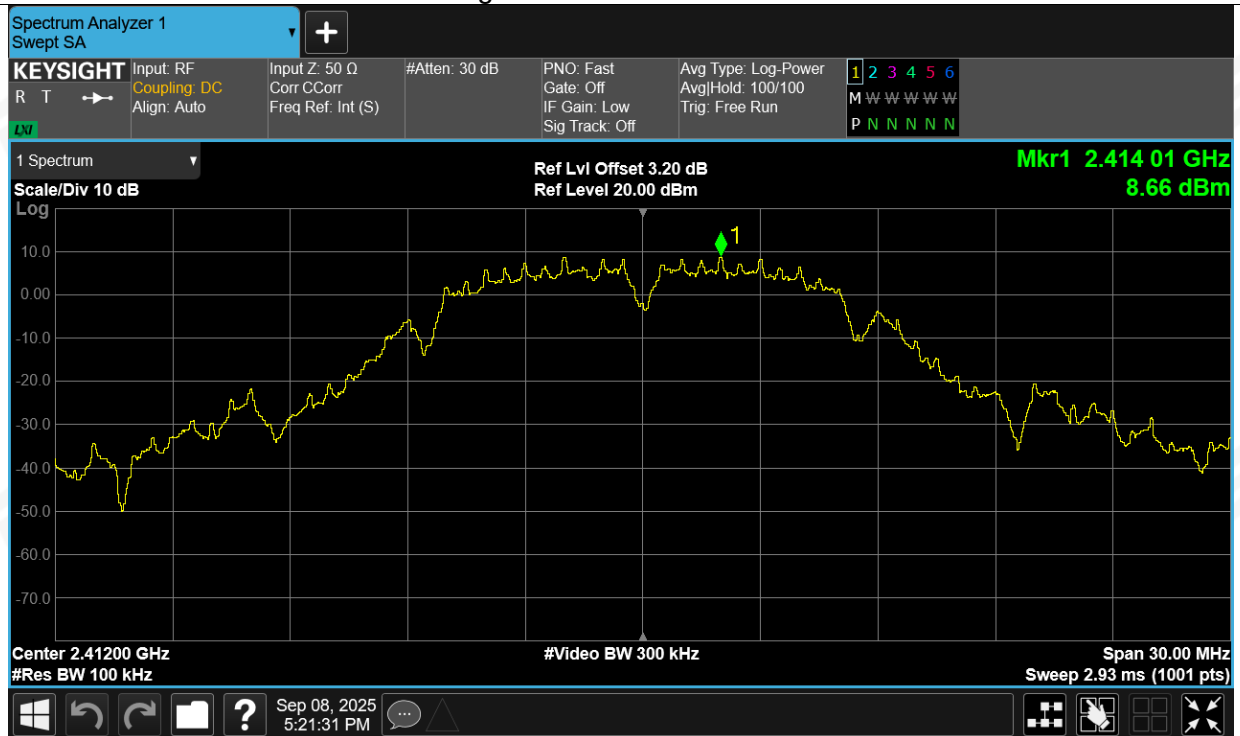
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-40.68	-30	Pass
NVNT	b	2462	Ant1	-54.53	-30	Pass
NVNT	g	2412	Ant1	-31.64	-30	Pass
NVNT	g	2462	Ant1	-39.13	-30	Pass
NVNT	n20	2412	Ant1	-30.09	-30	Pass
NVNT	n20	2462	Ant1	-43.17	-30	Pass
NVNT	n40	2422	Ant1	-33.89	-30	Pass
NVNT	n40	2452	Ant1	-34.12	-30	Pass

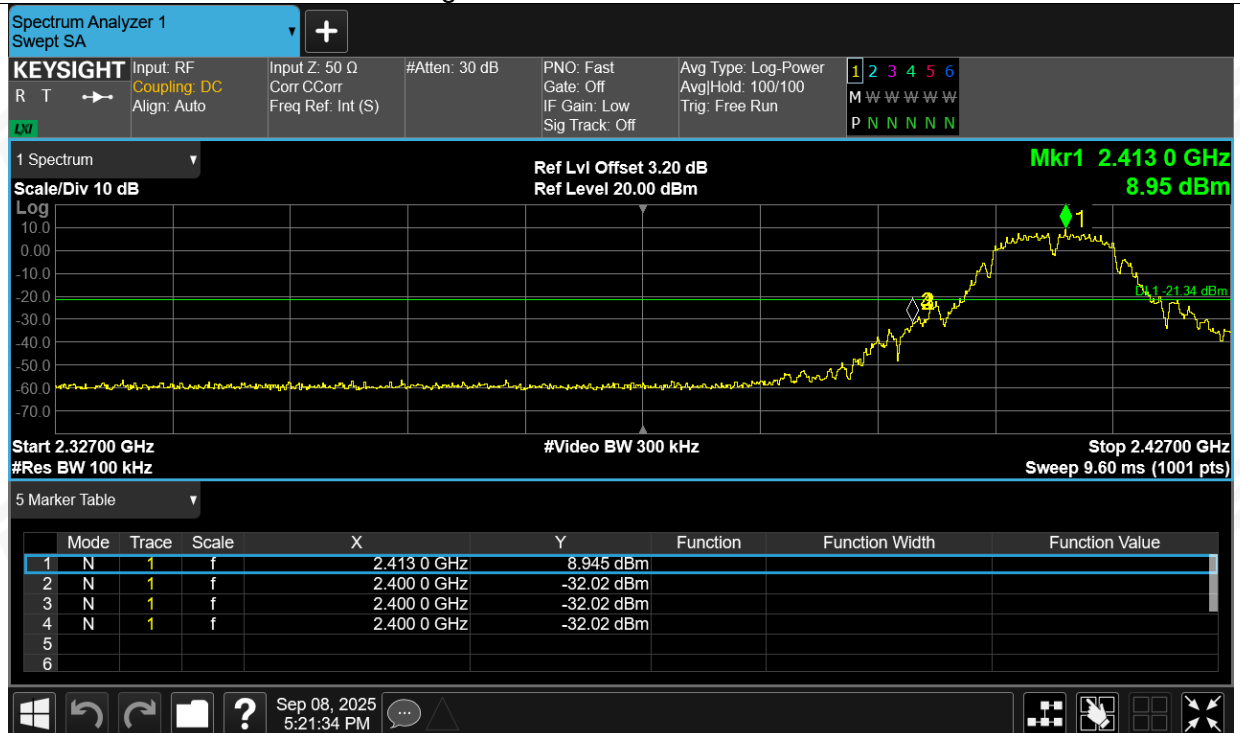


Test Graphs

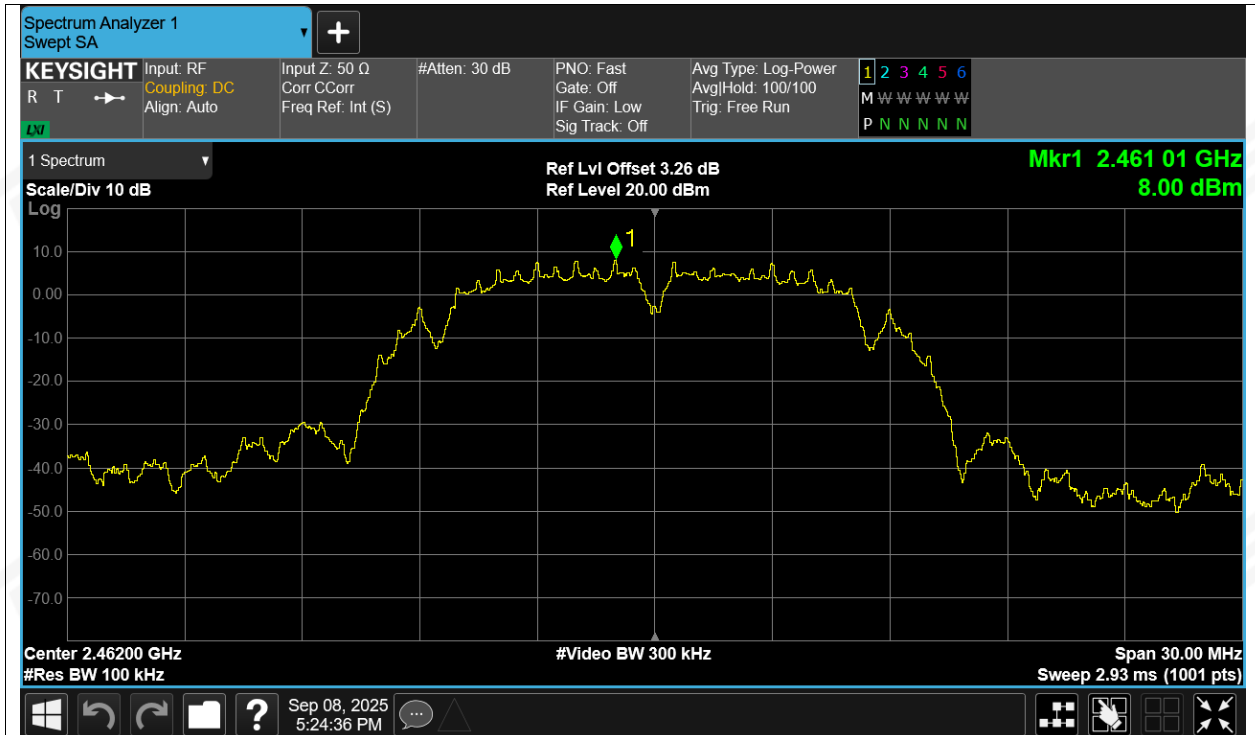
Band Edge NVNT b 2412MHz Ant1 Ref



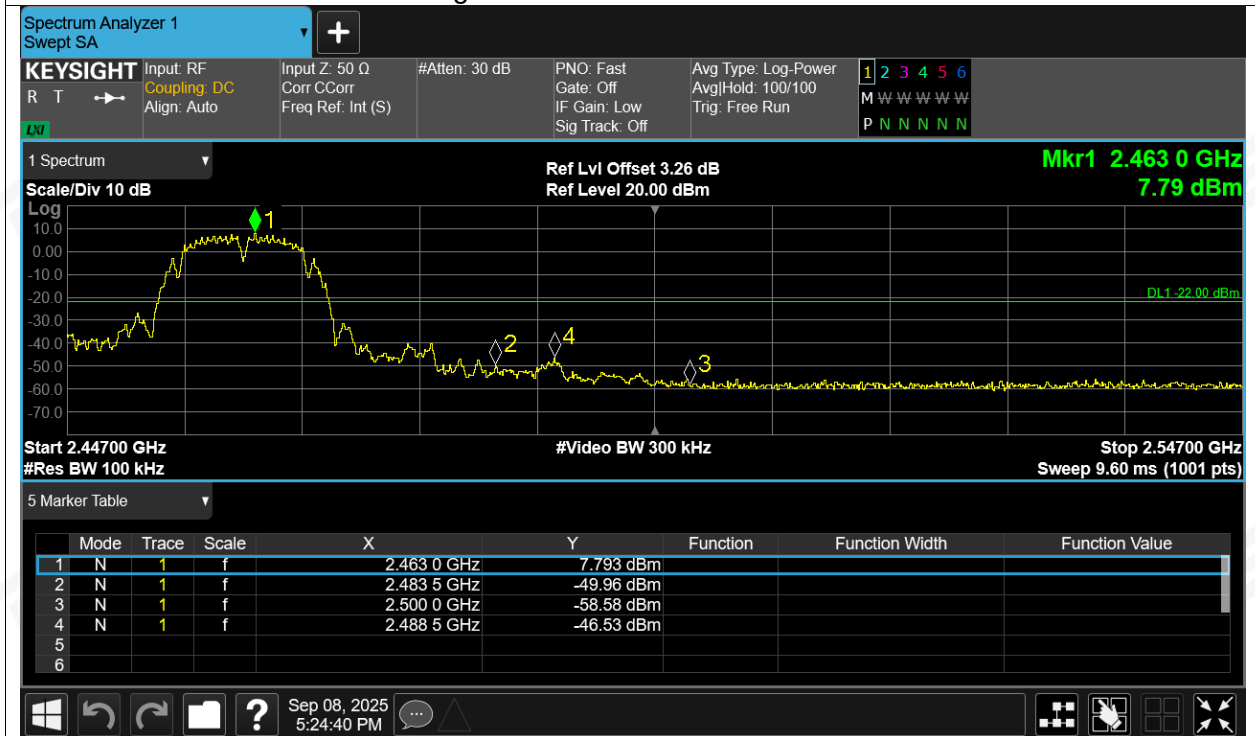
Band Edge NVNT b 2412MHz Ant1 Emission



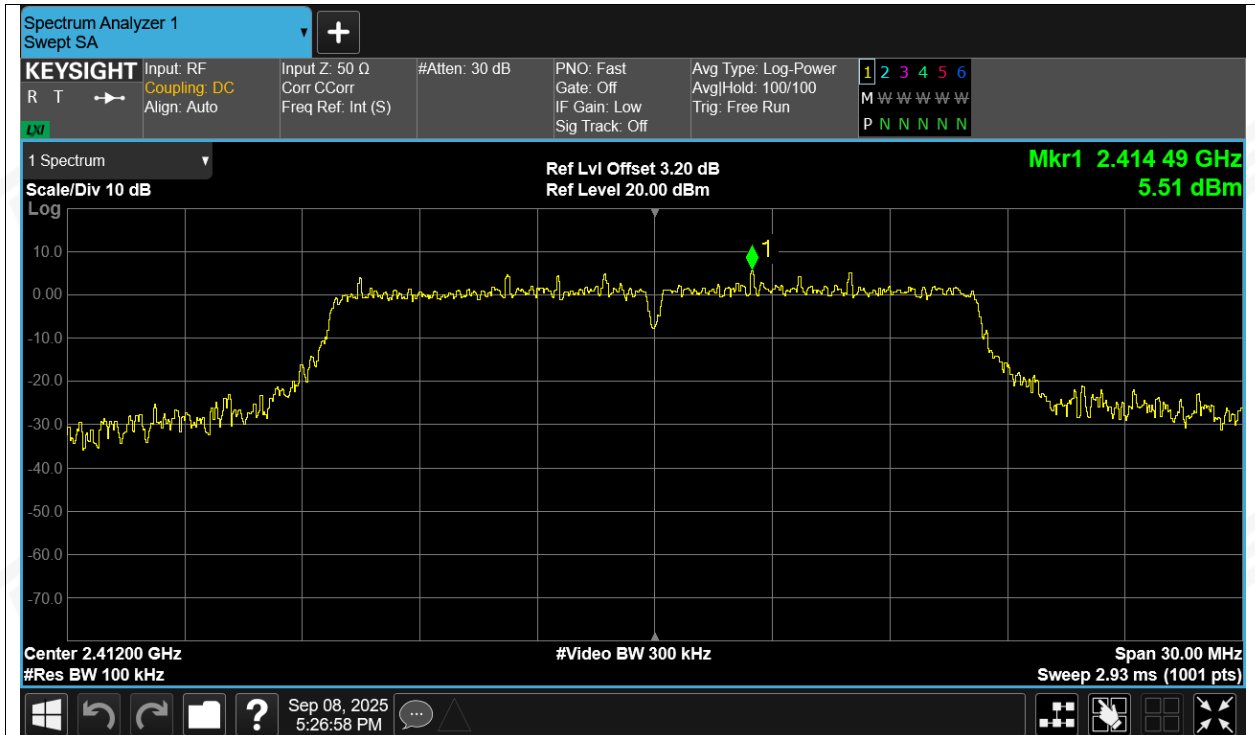
Band Edge NVNT b 2462MHz Ant1 Ref



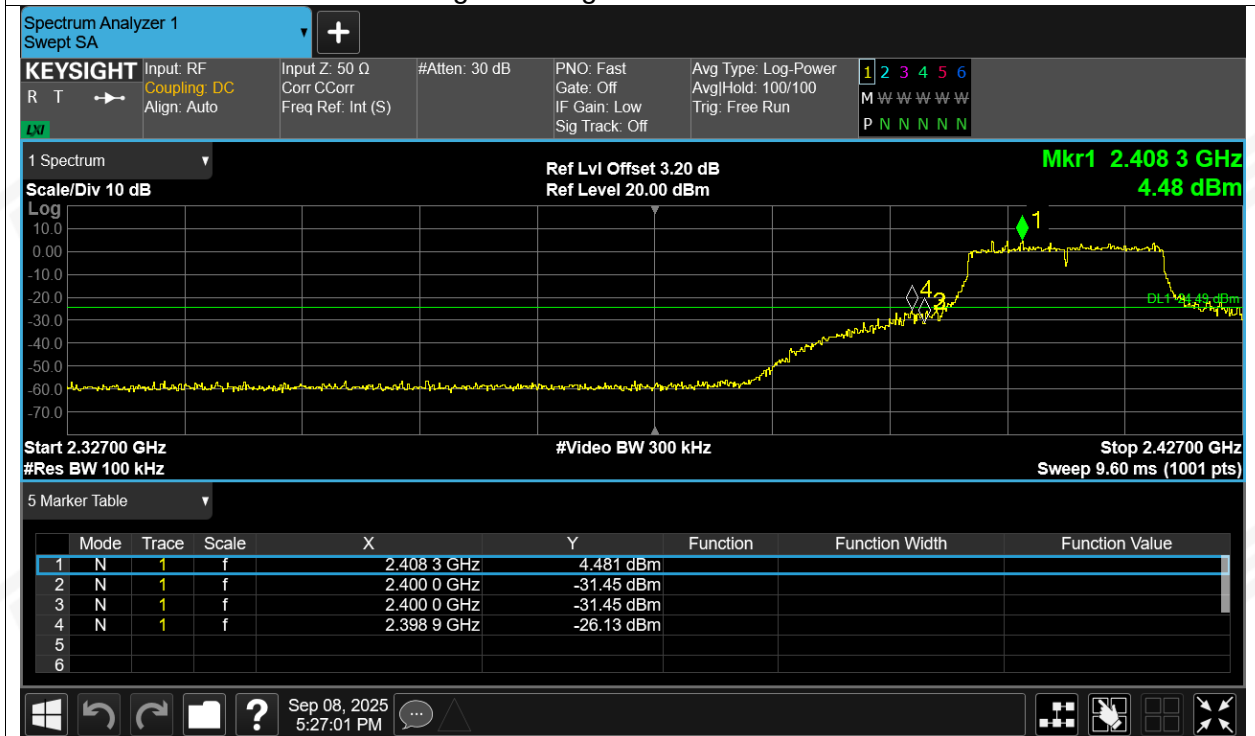
Band Edge NVNT b 2462MHz Ant1 Emission



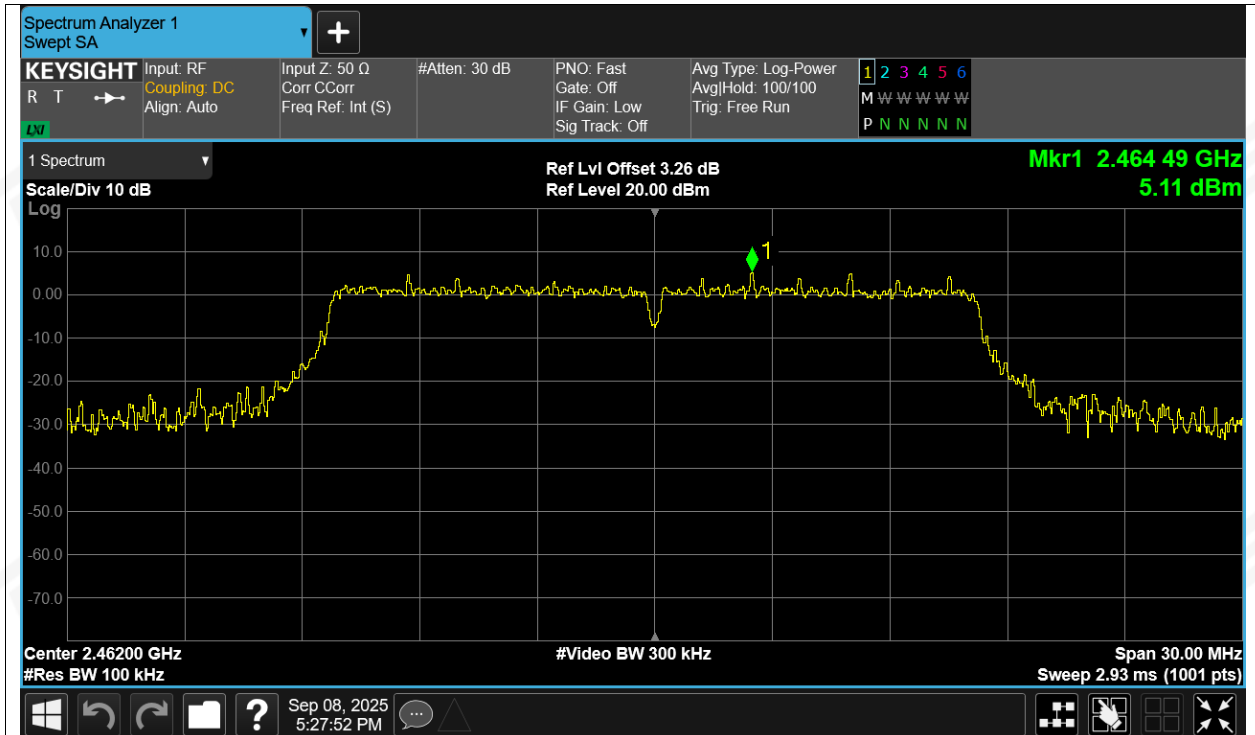
Band Edge NVNT g 2412MHz Ant1 Ref



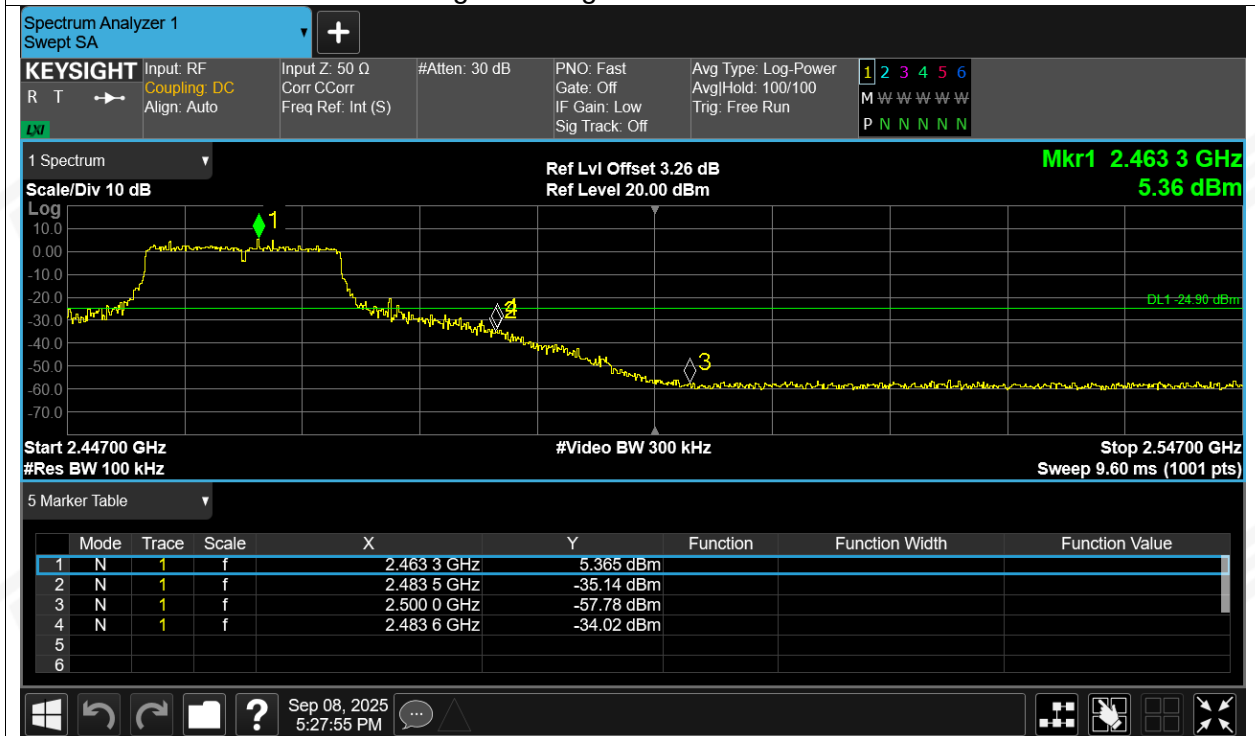
Band Edge NVNT g 2412MHz Ant1 Emission



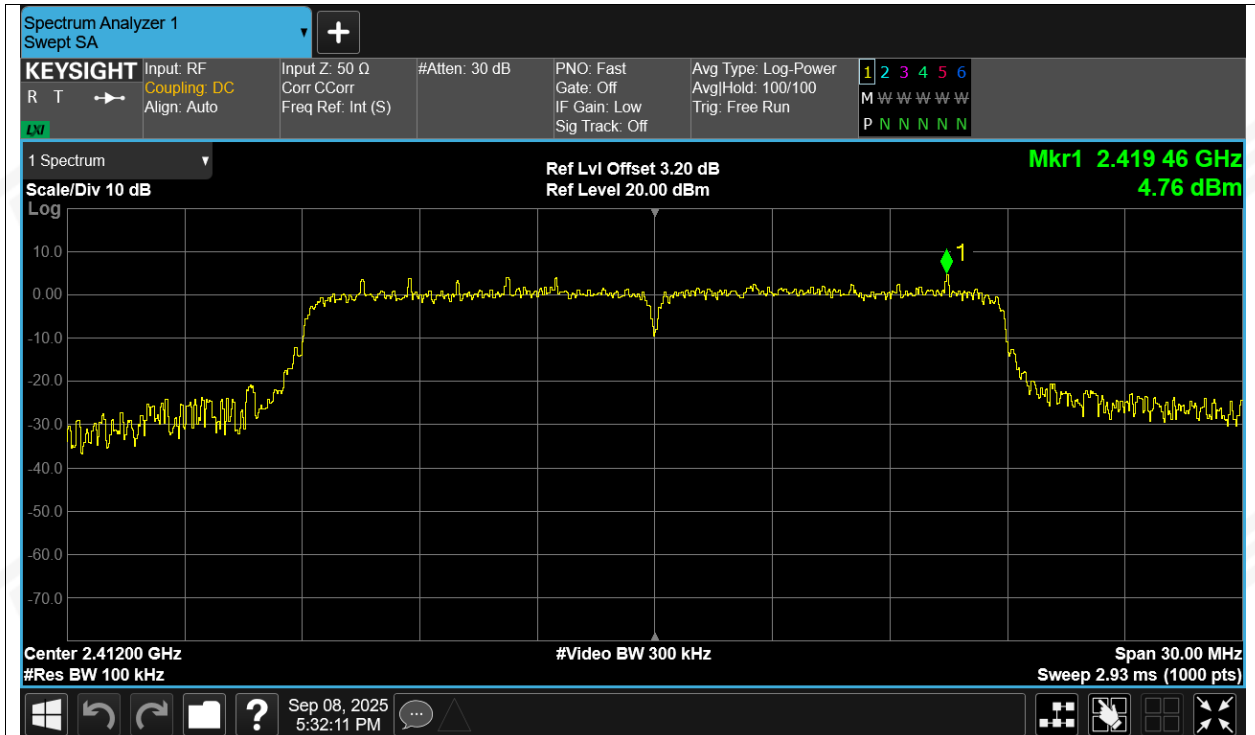
Band Edge NVNT g 2462MHz Ant1 Ref



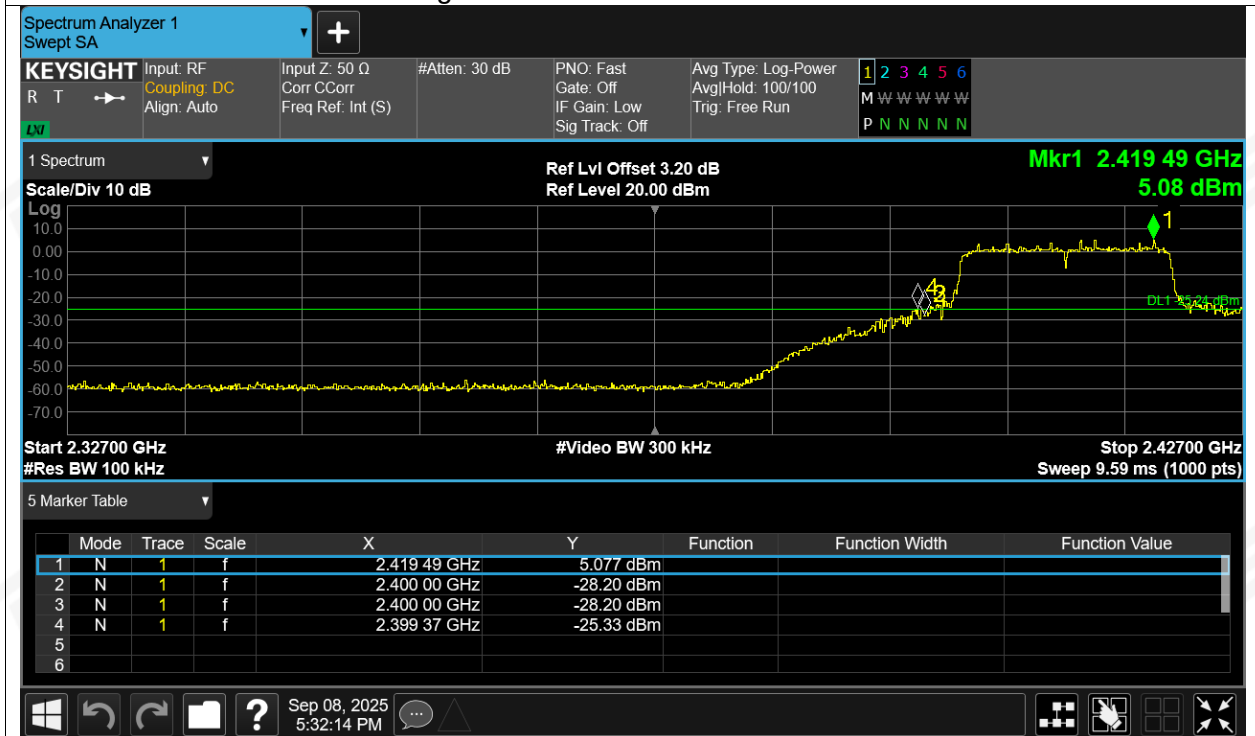
Band Edge NVNT g 2462MHz Ant1 Emission



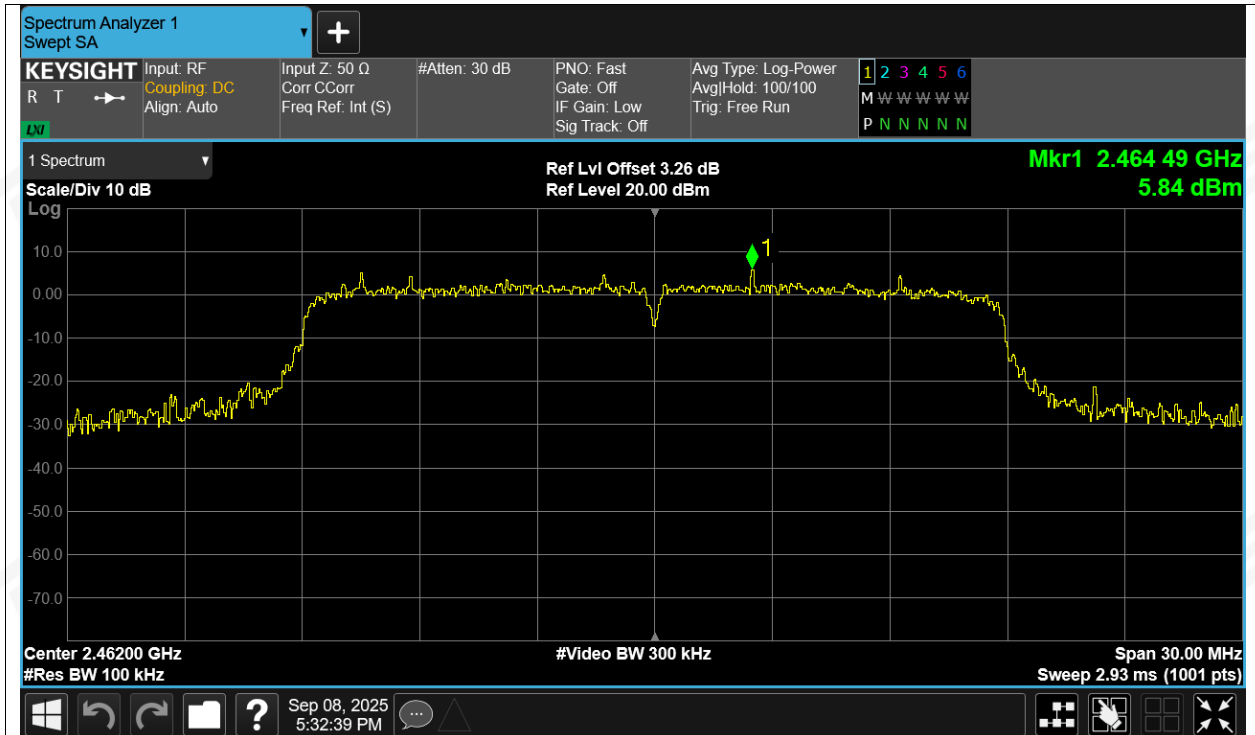
Band Edge NVNT n20 2412MHz Ant1 Ref



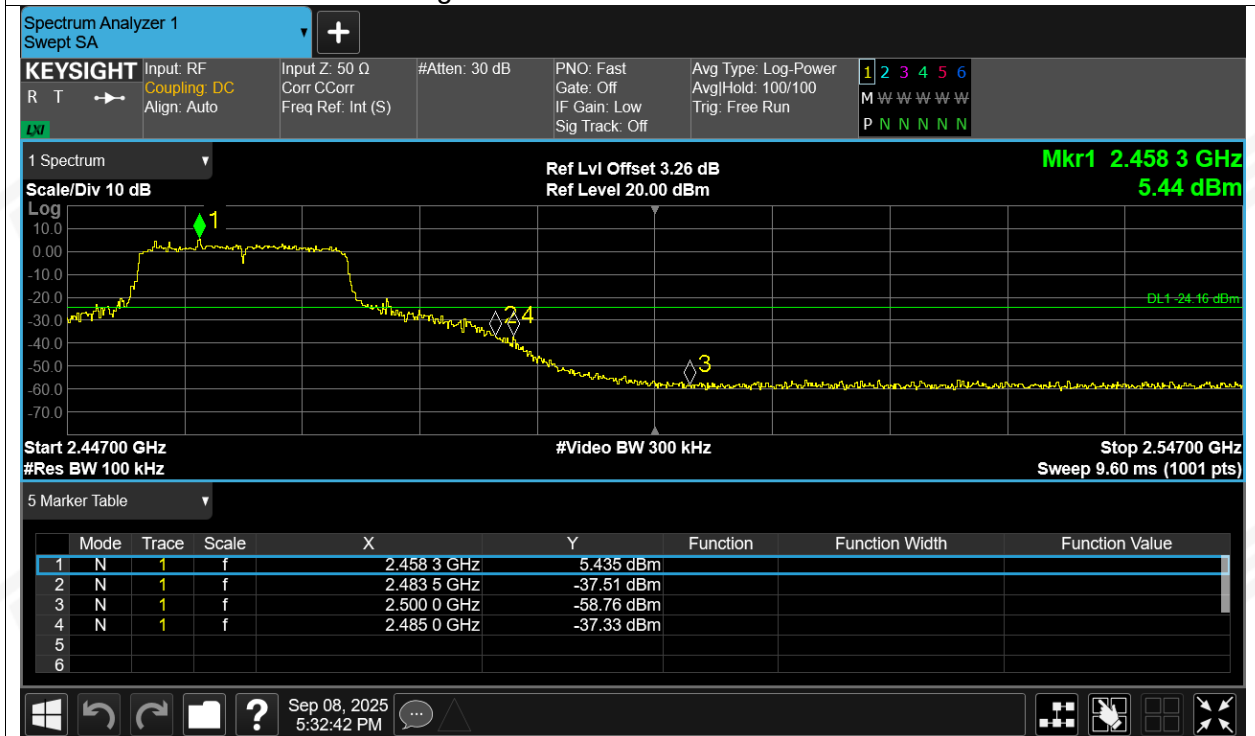
Band Edge NVNT n20 2412MHz Ant1 Emission



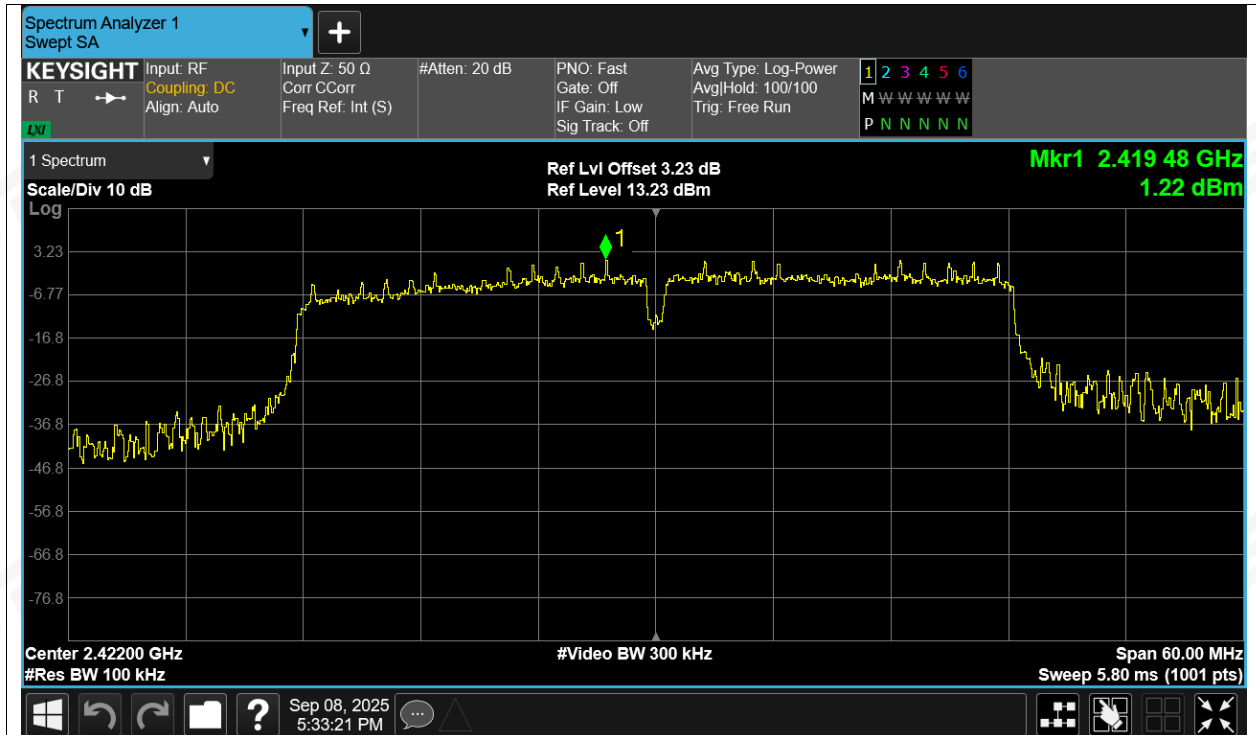
Band Edge NVNT n20 2462MHz Ant1 Ref



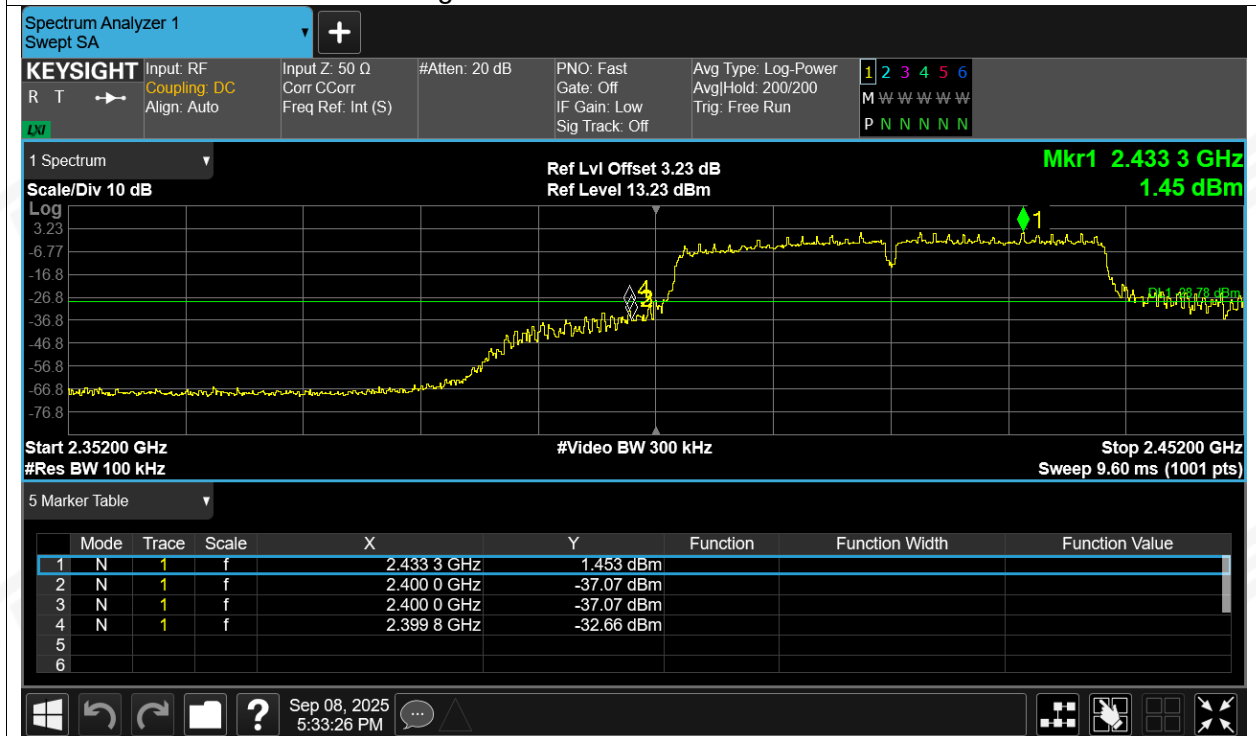
Band Edge NVNT n20 2462MHz Ant1 Emission



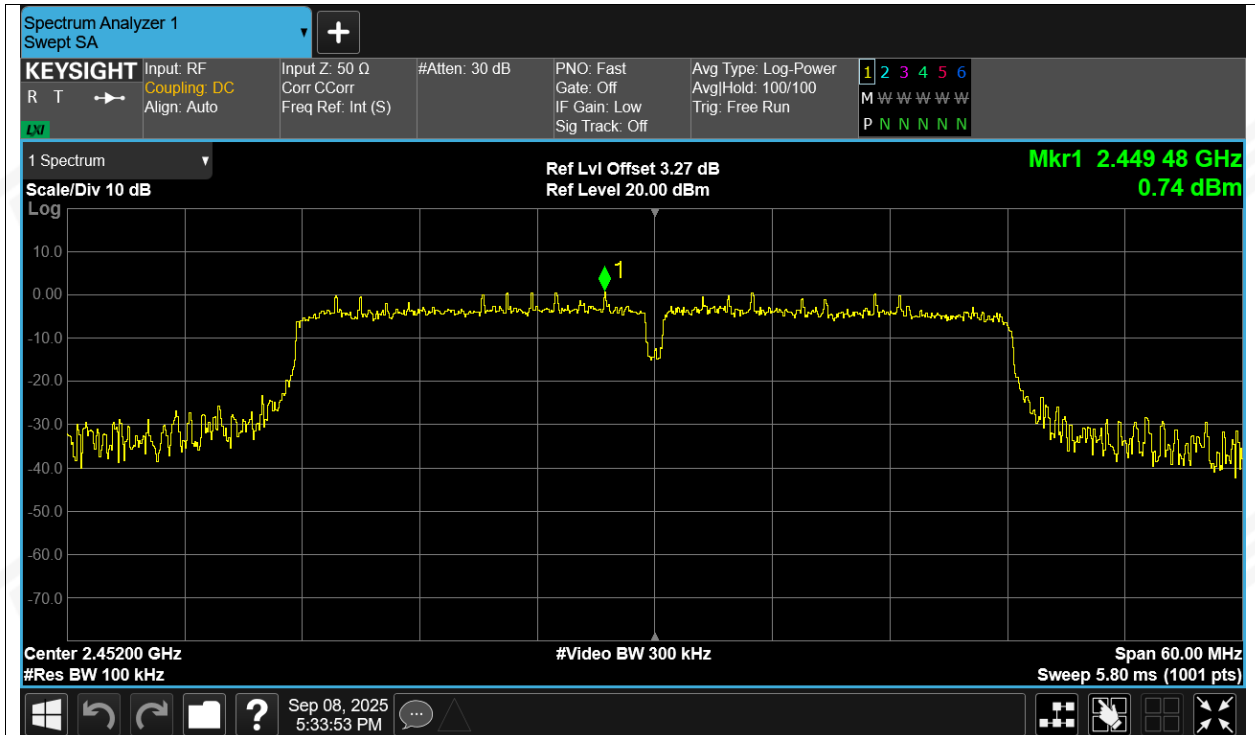
Band Edge NVNT n40 2422MHz Ant1 Ref



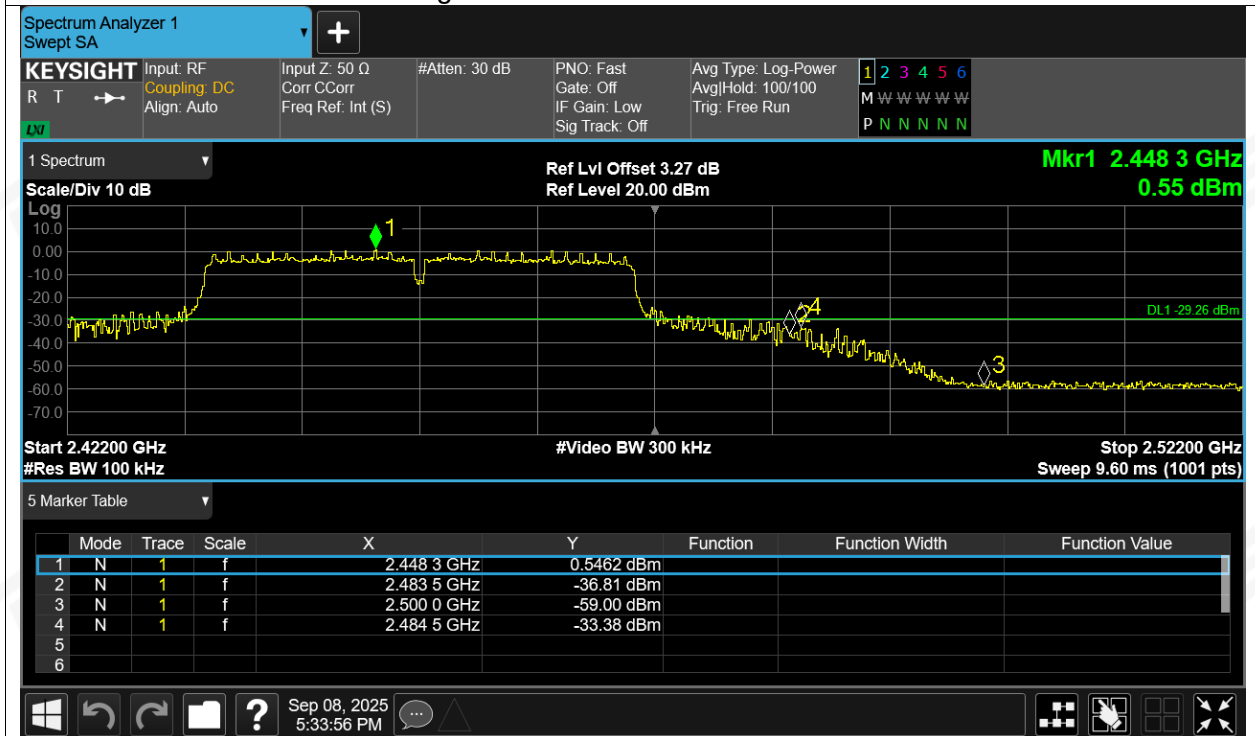
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission





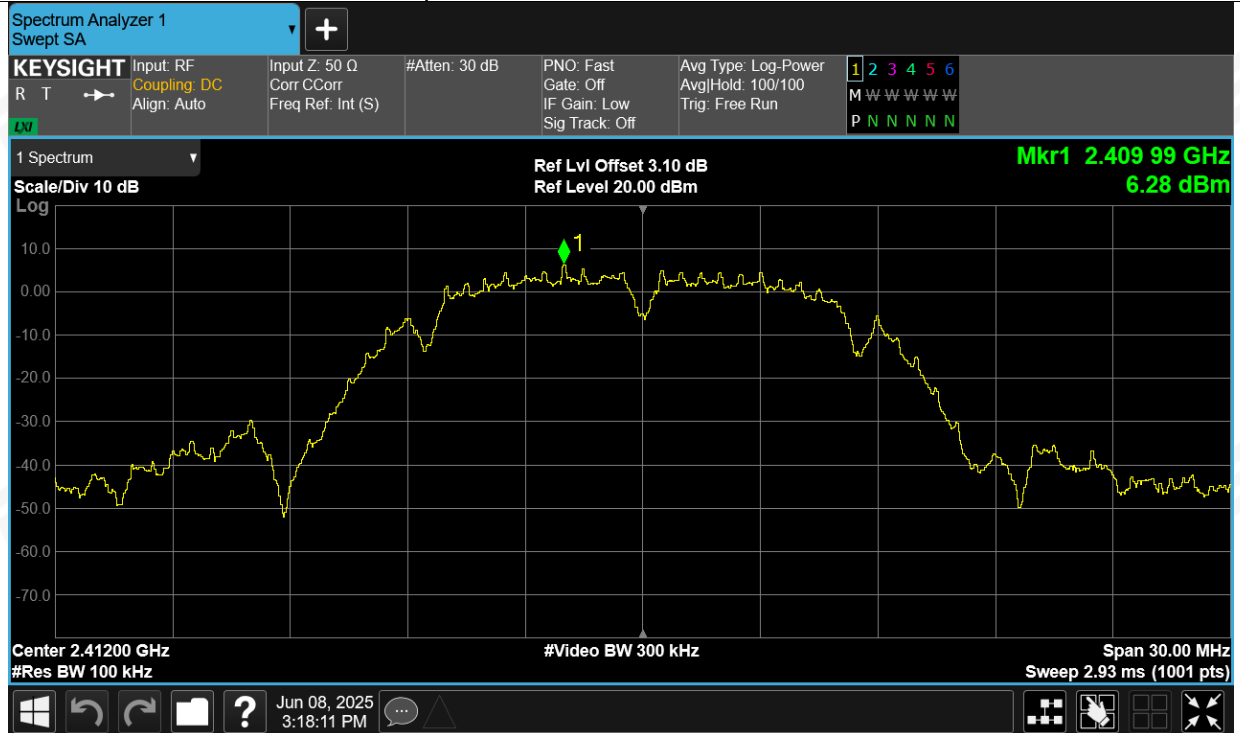
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.12	-30	Pass
NVNT	b	2437	Ant1	-55.47	-30	Pass
NVNT	b	2462	Ant1	-51.09	-30	Pass
NVNT	g	2412	Ant1	-52.5	-30	Pass
NVNT	g	2437	Ant1	-55.57	-30	Pass
NVNT	g	2462	Ant1	-50.93	-30	Pass
NVNT	n20	2412	Ant1	-51.22	-30	Pass
NVNT	n20	2437	Ant1	-55.15	-30	Pass
NVNT	n20	2462	Ant1	-52.23	-30	Pass
NVNT	n40	2422	Ant1	-50.56	-30	Pass
NVNT	n40	2437	Ant1	-52.15	-30	Pass
NVNT	n40	2452	Ant1	-48.81	-30	Pass

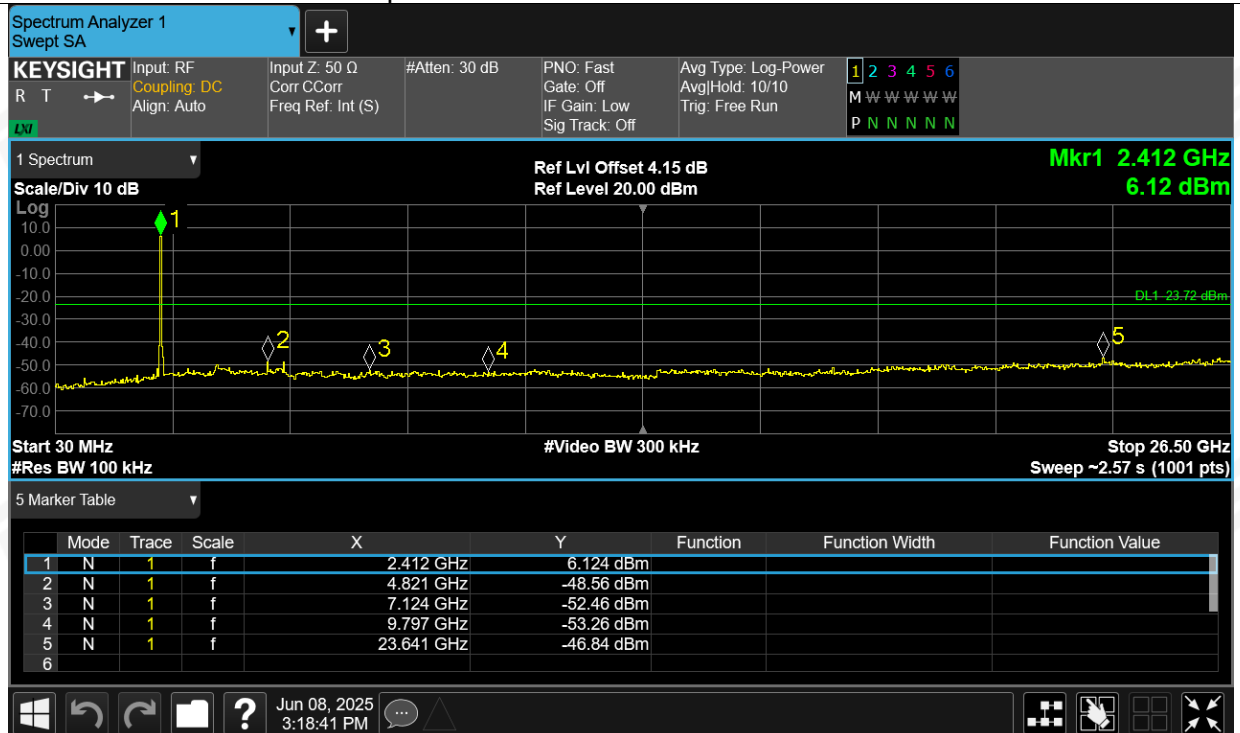


Test Graphs

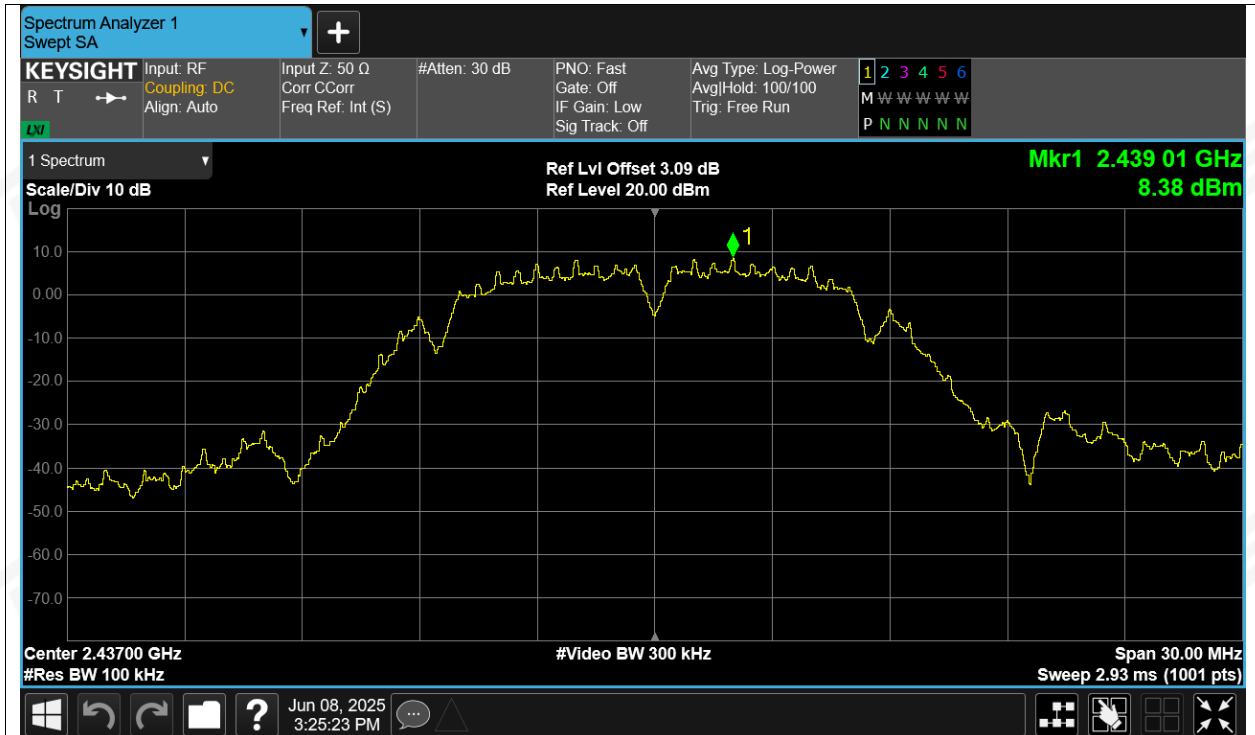
Tx. Spurious NVNT b 2412MHz Ant1 Ref



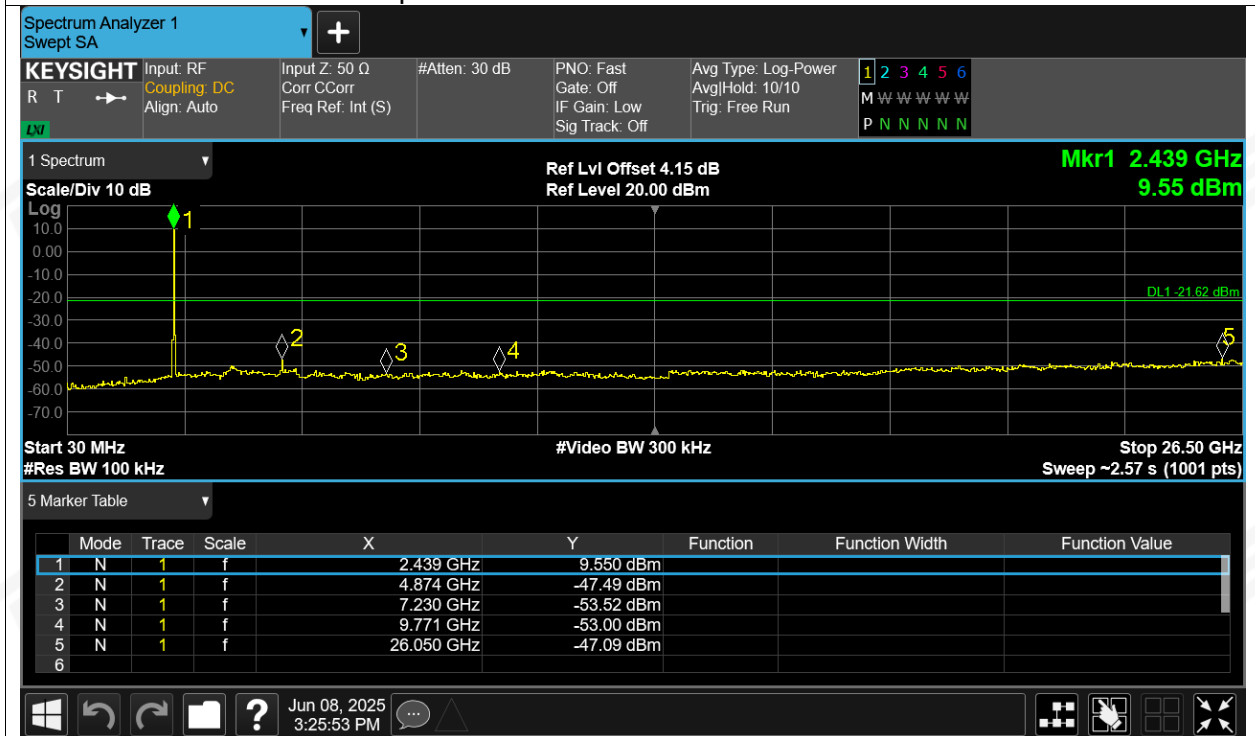
Tx. Spurious NVNT b 2412MHz Ant1 Emission



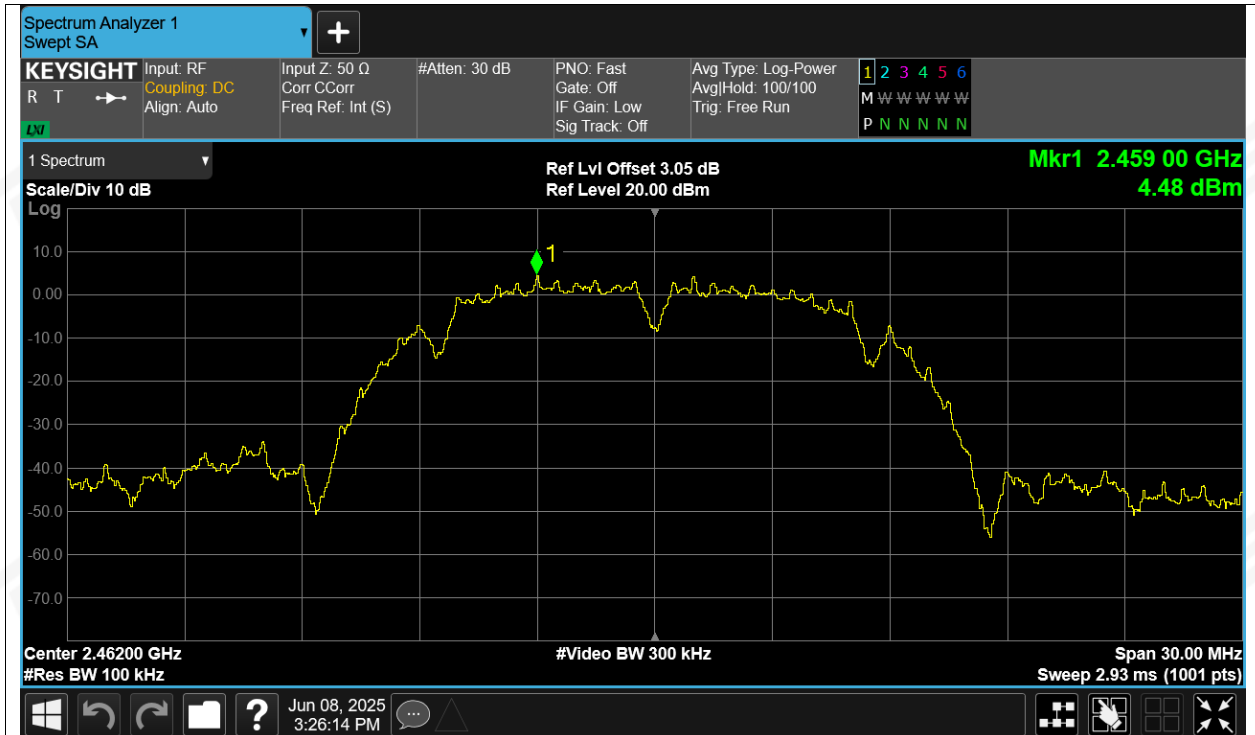
Tx. Spurious NVNT b 2437MHz Ant1 Ref



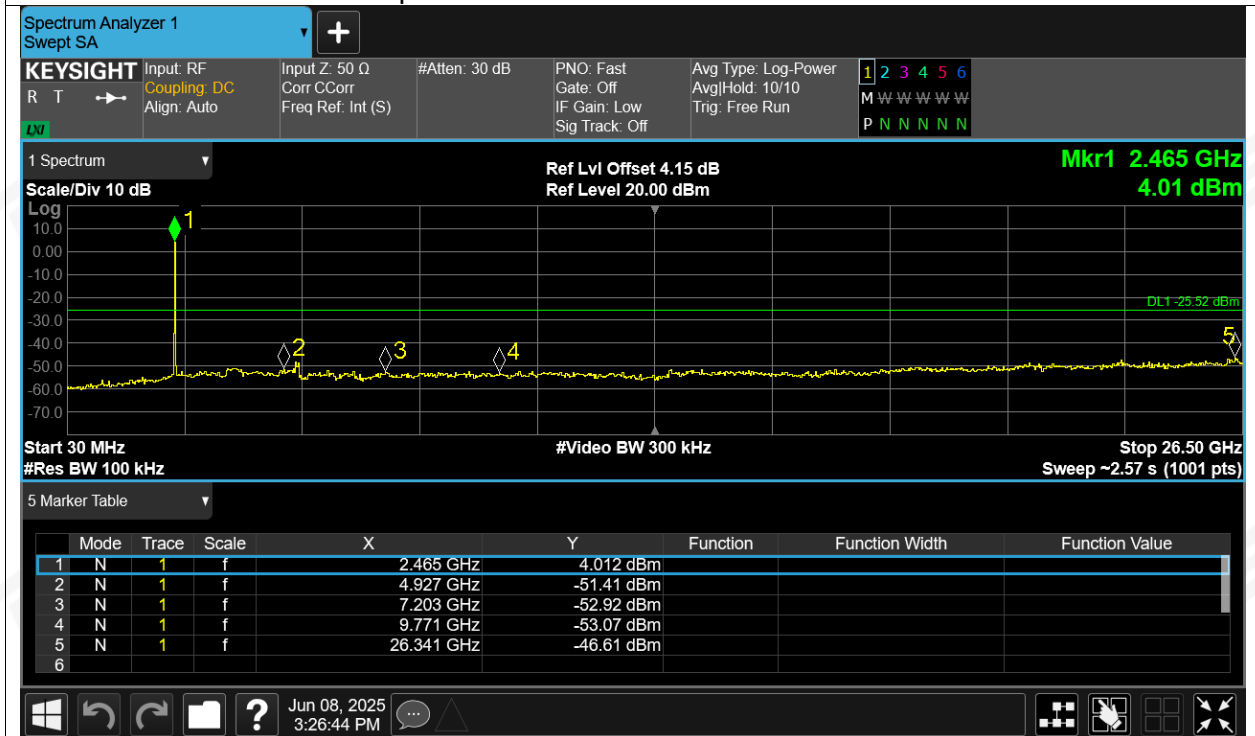
Tx. Spurious NVNT b 2437MHz Ant1 Emission



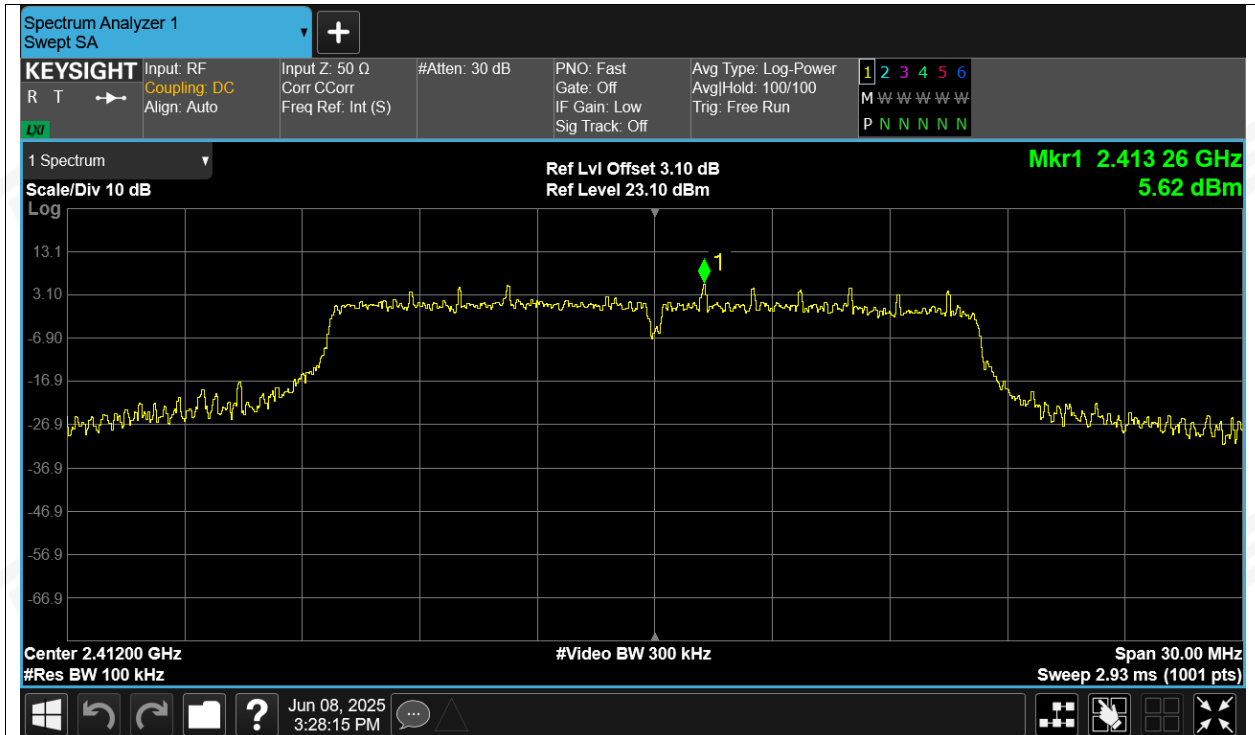
Tx. Spurious NVNT b 2462MHz Ant1 Ref



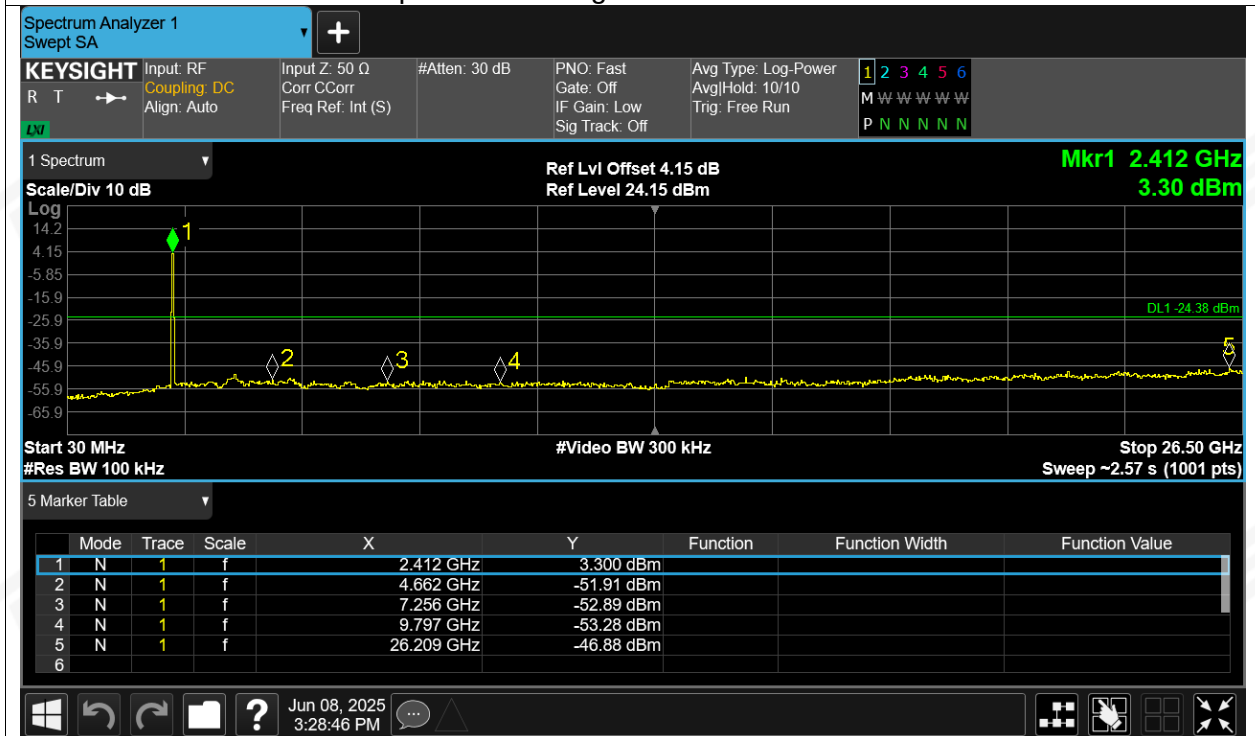
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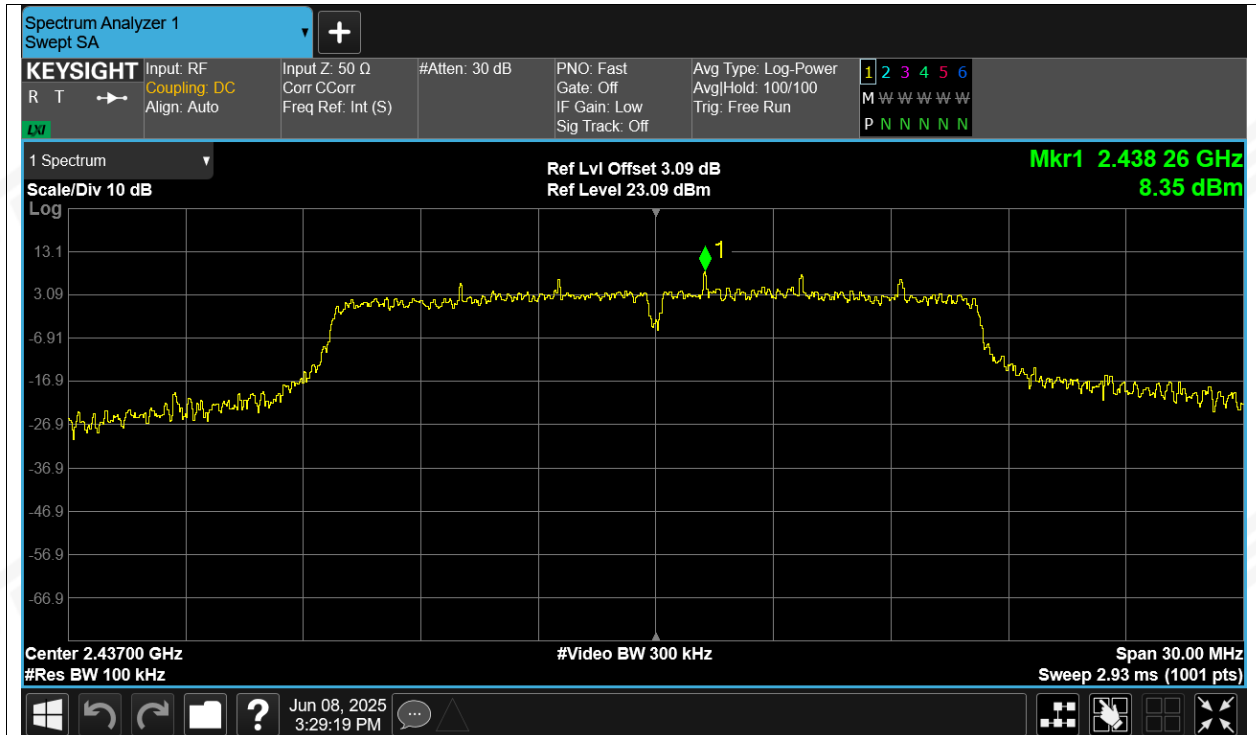
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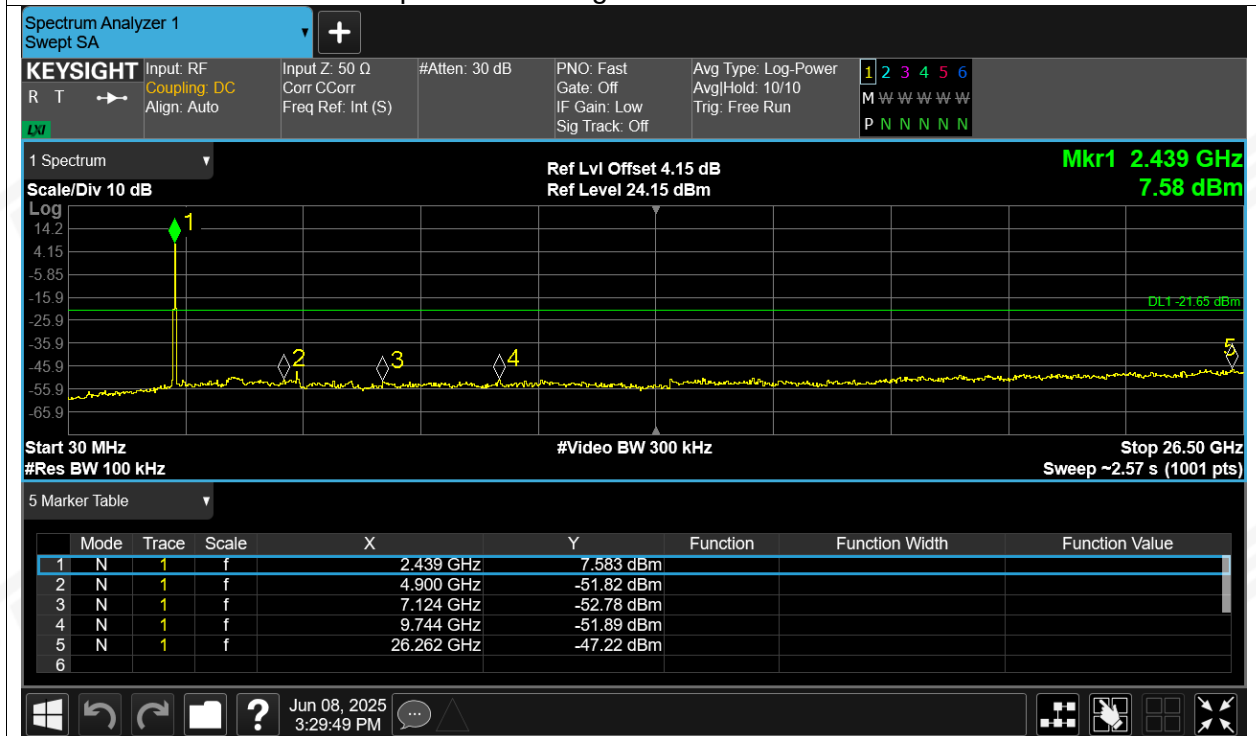
Tx. Spurious NVNT g 2412MHz Ant1 Emission



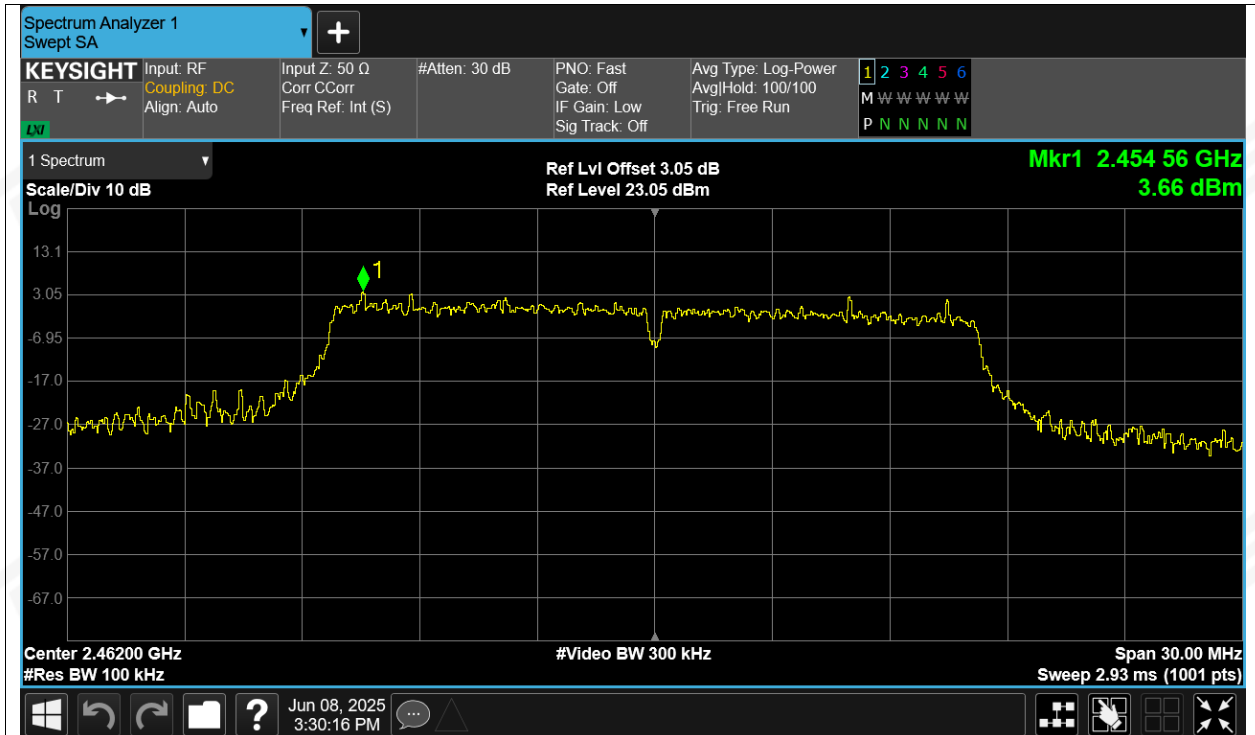
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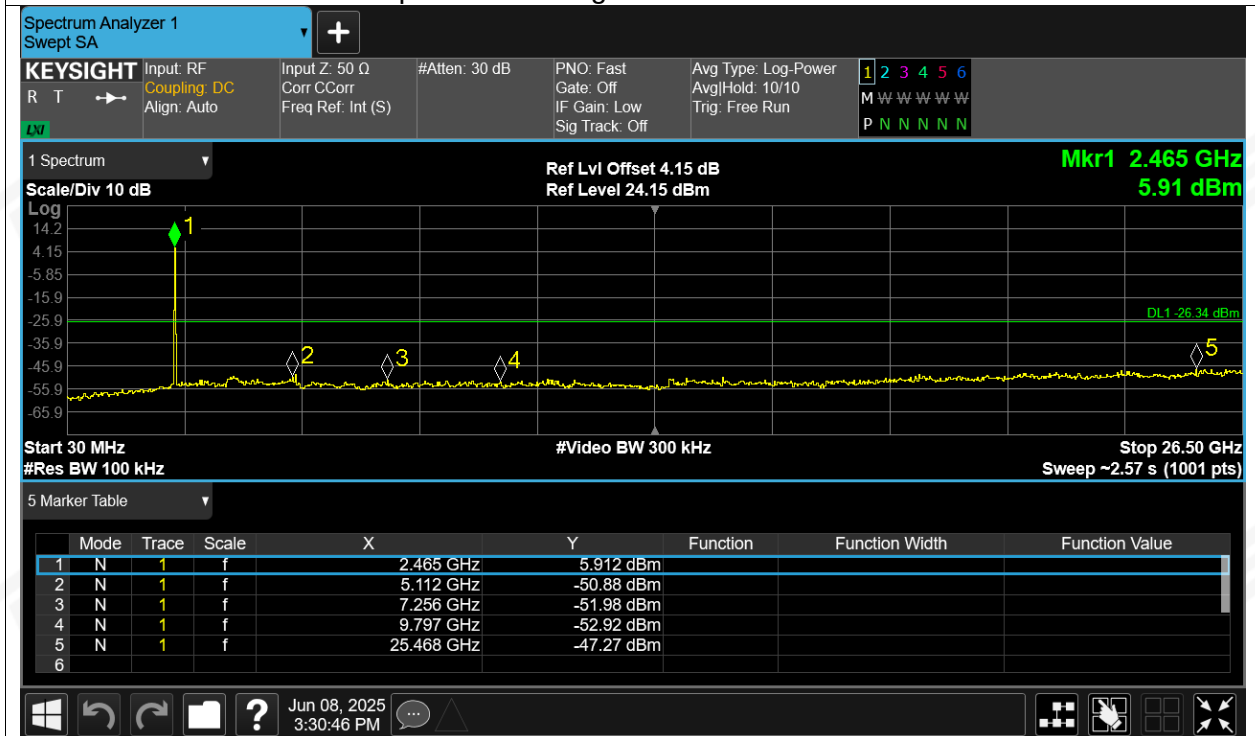
Tx. Spurious NVNT g 2437MHz Ant1 Emission



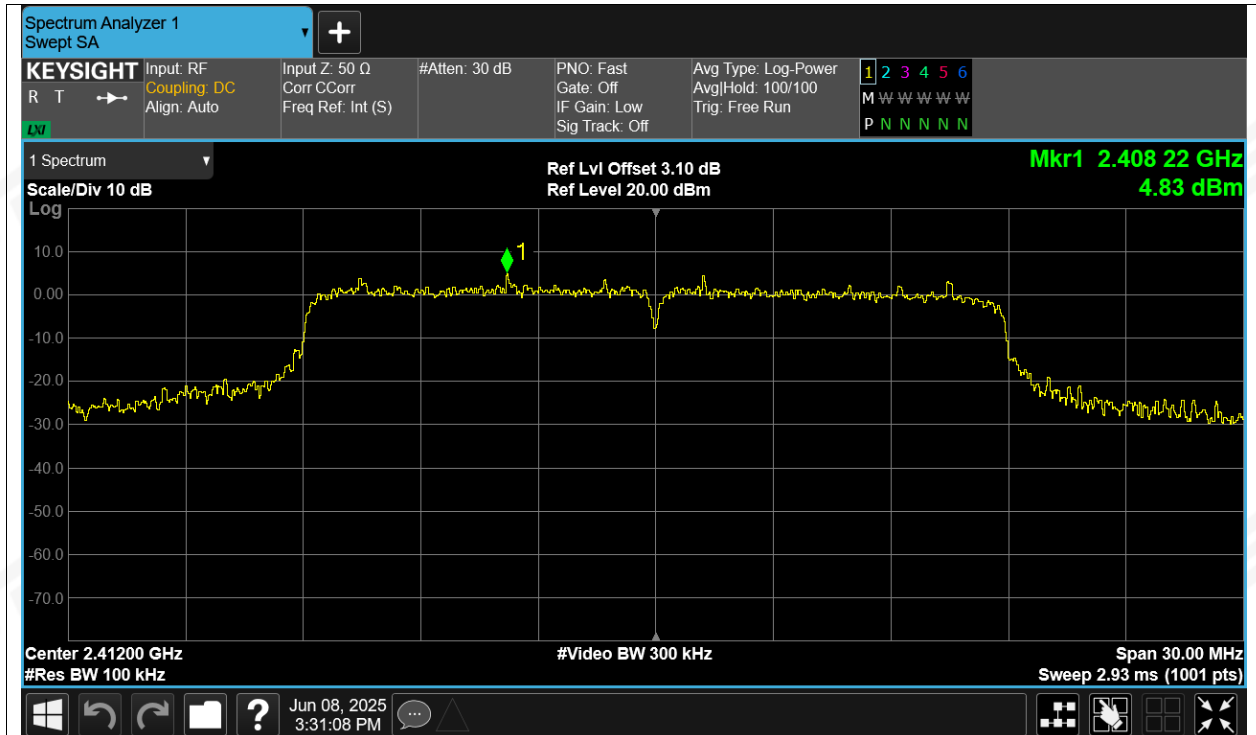
Tx. Spurious NVNT g 2462MHz Ant1 Ref



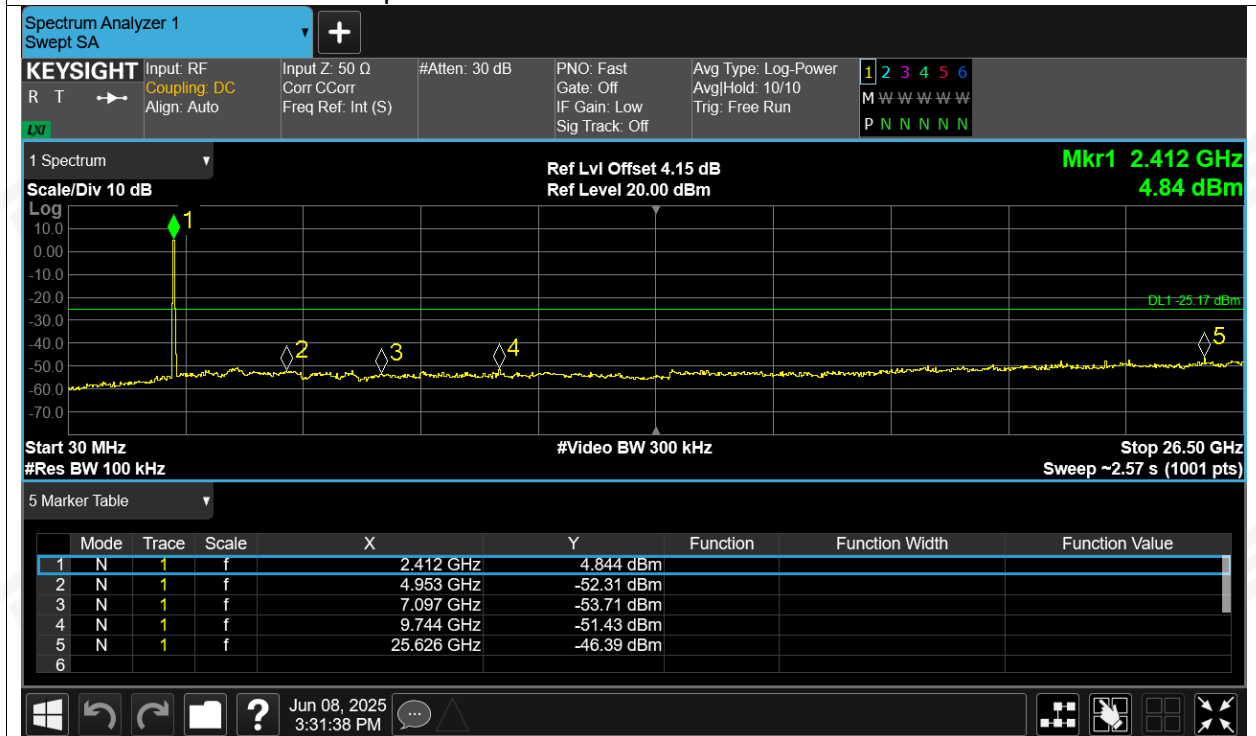
Tx. Spurious NVNT g 2462MHz Ant1 Emission



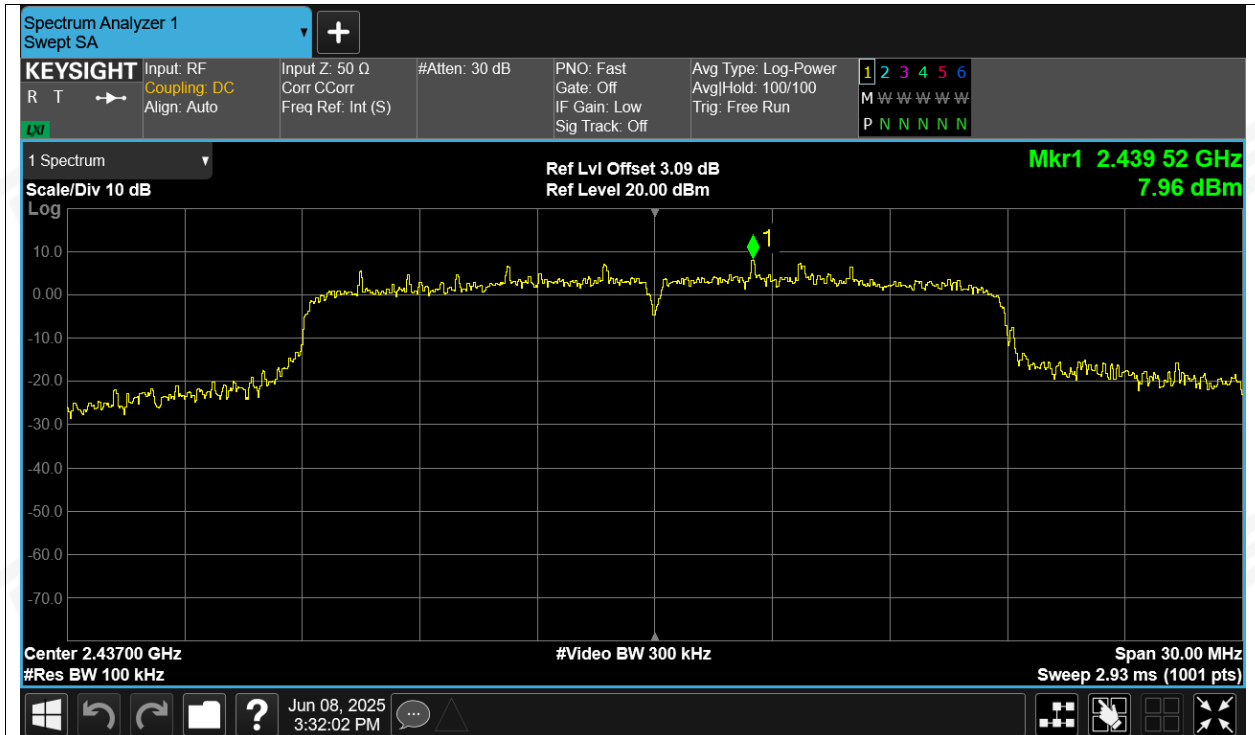
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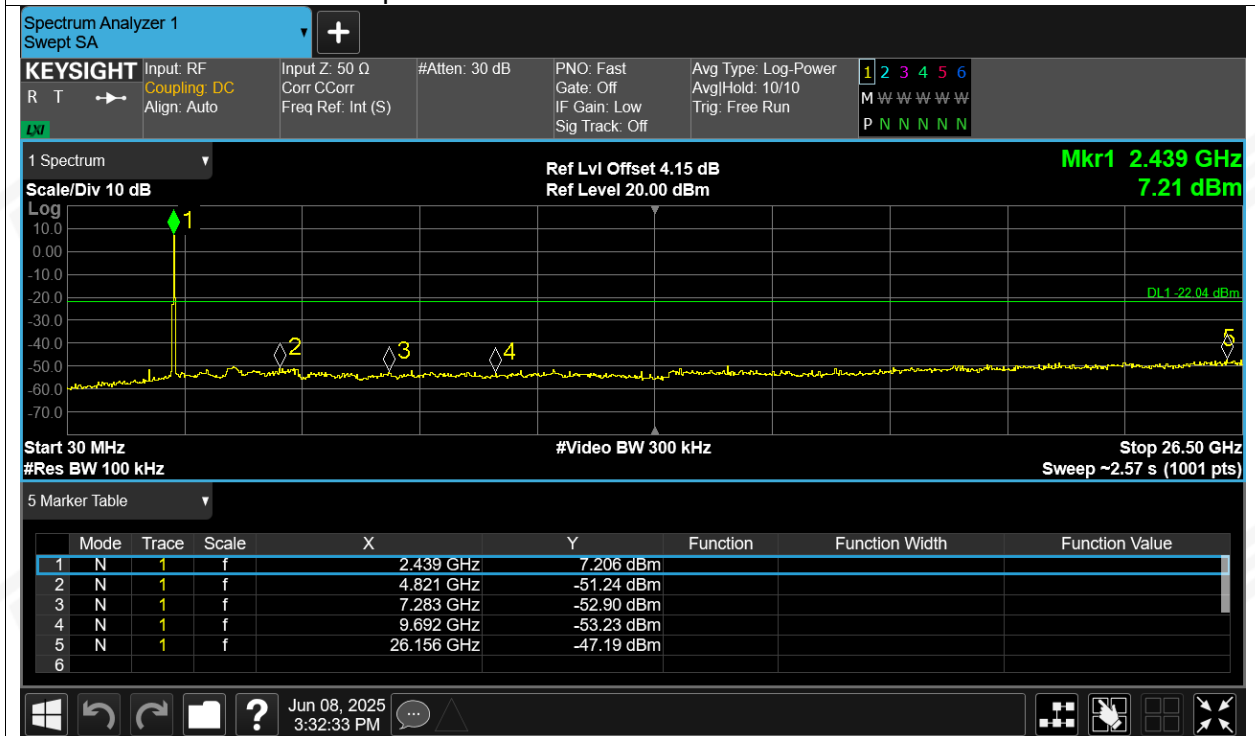
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



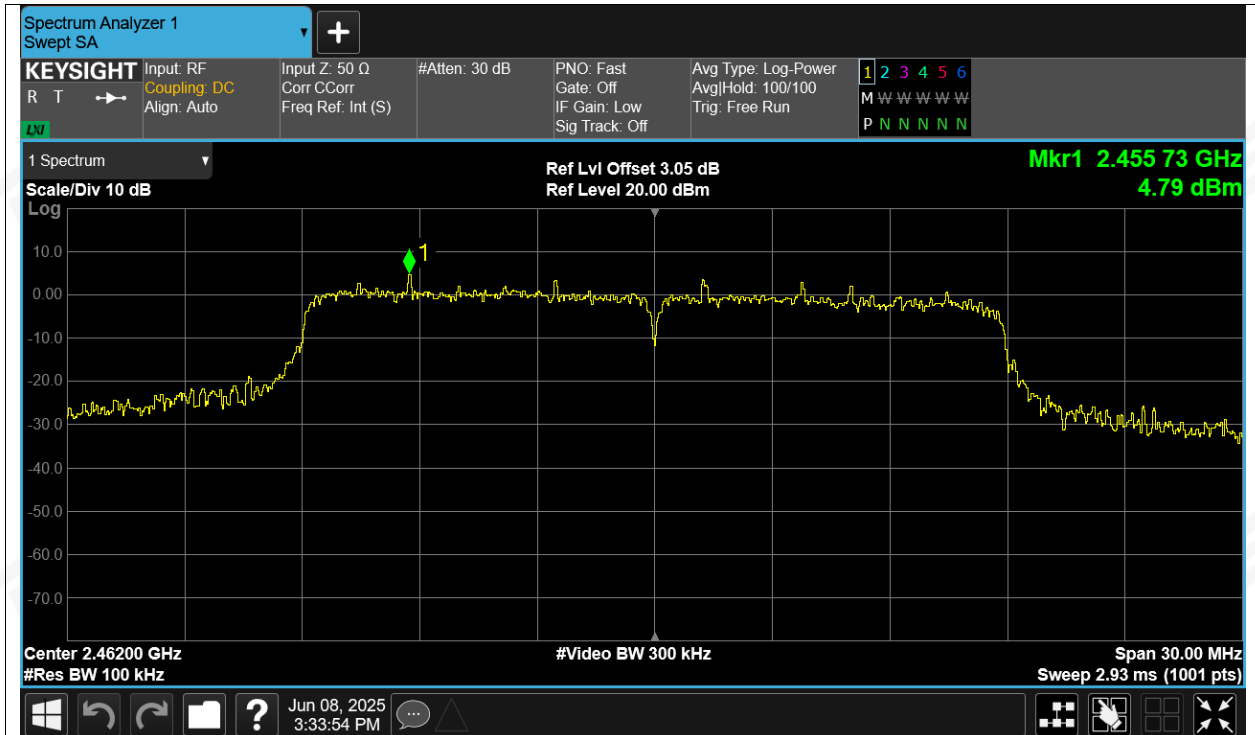
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



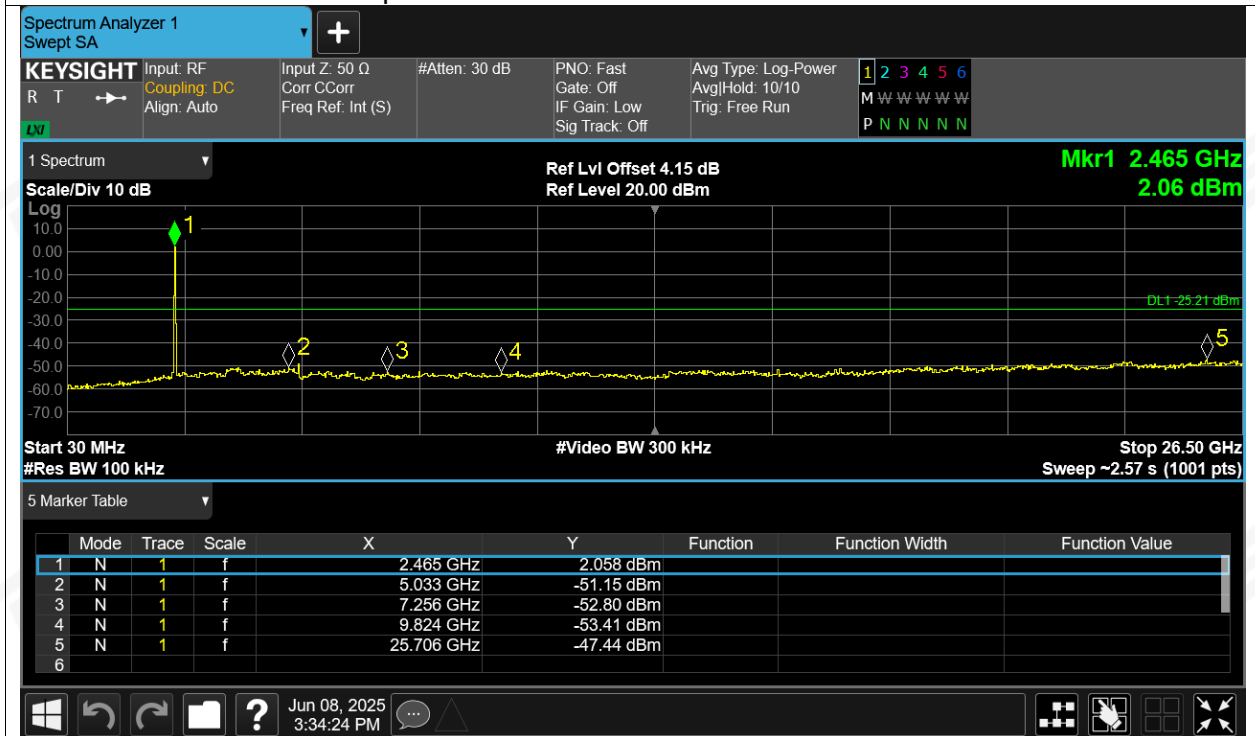
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



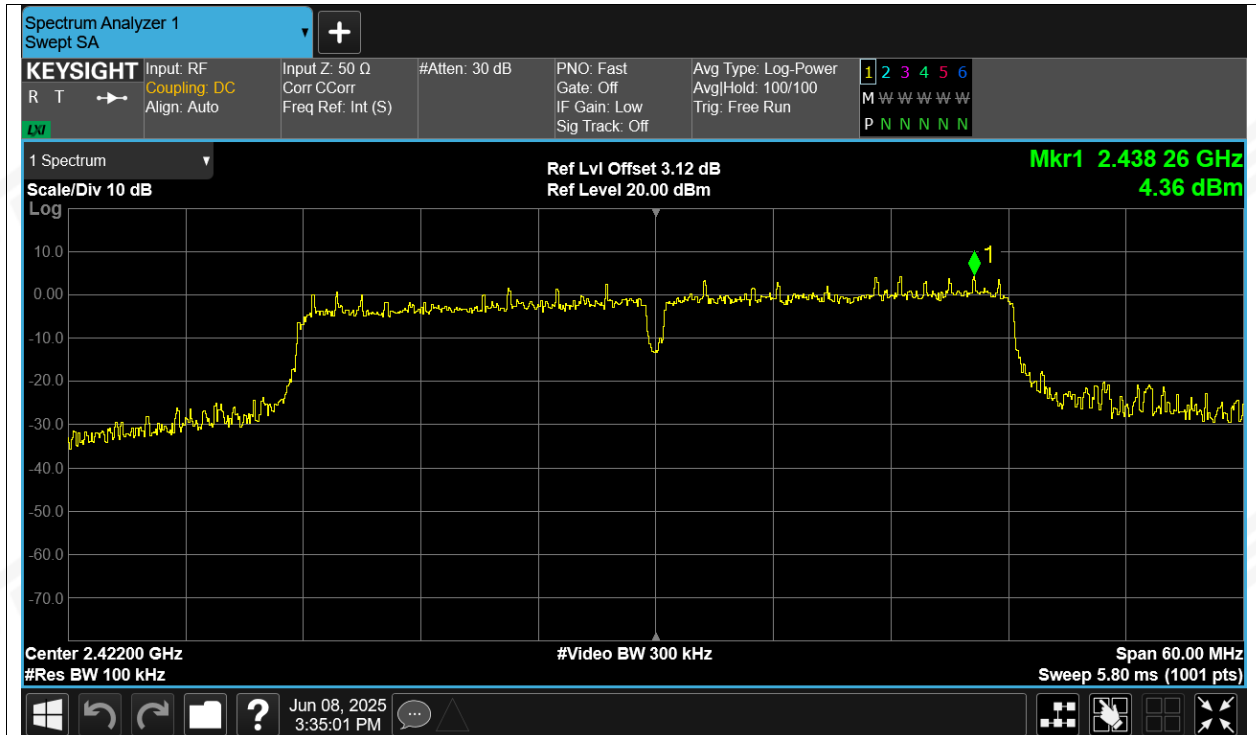
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



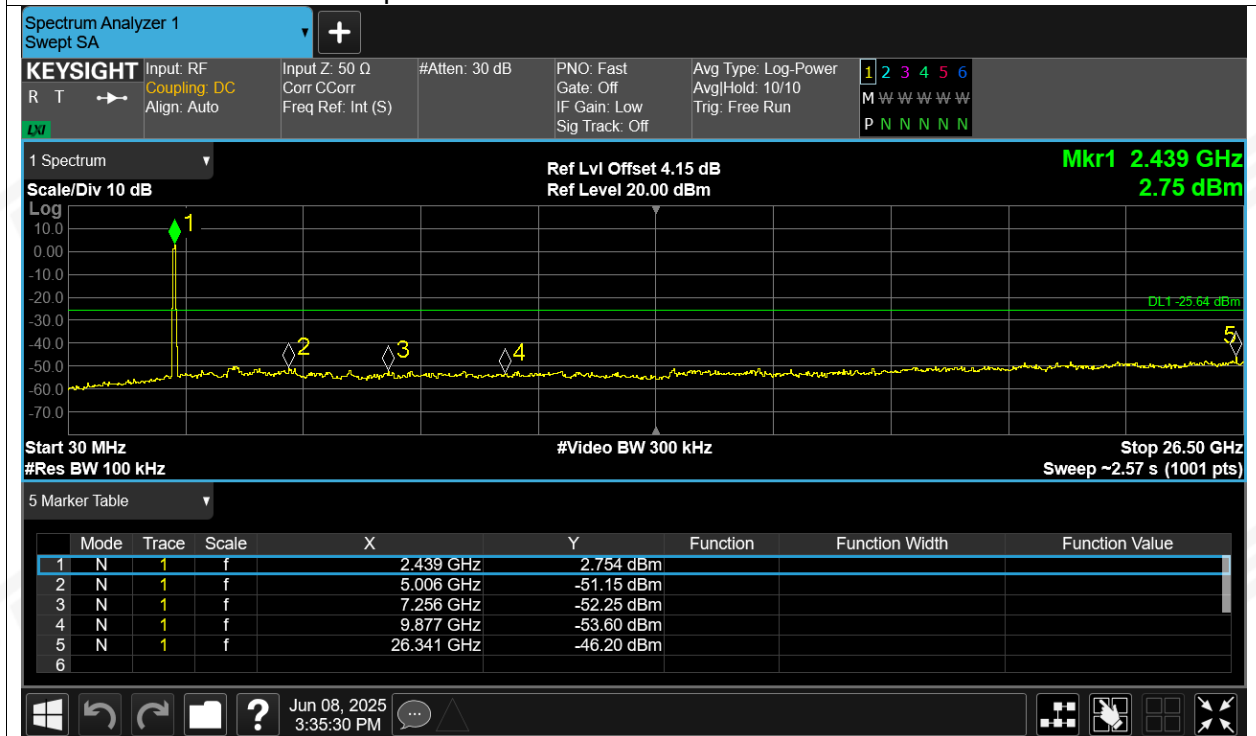
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



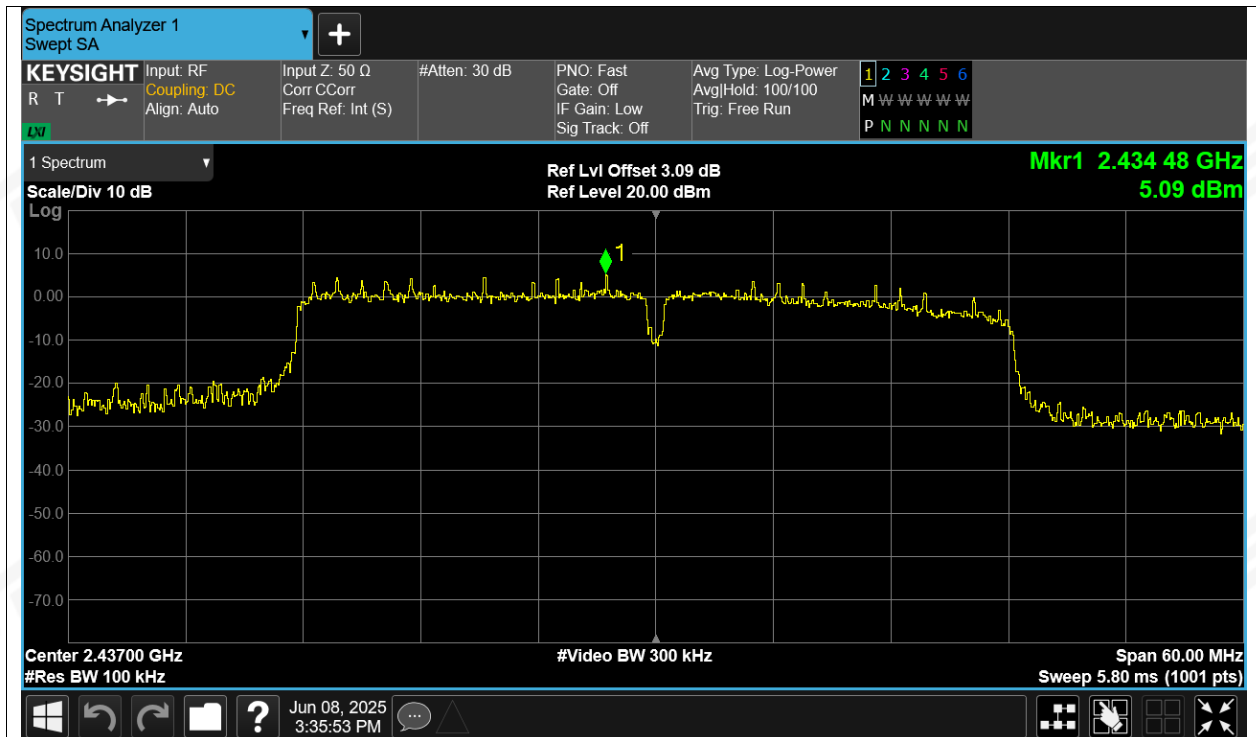
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



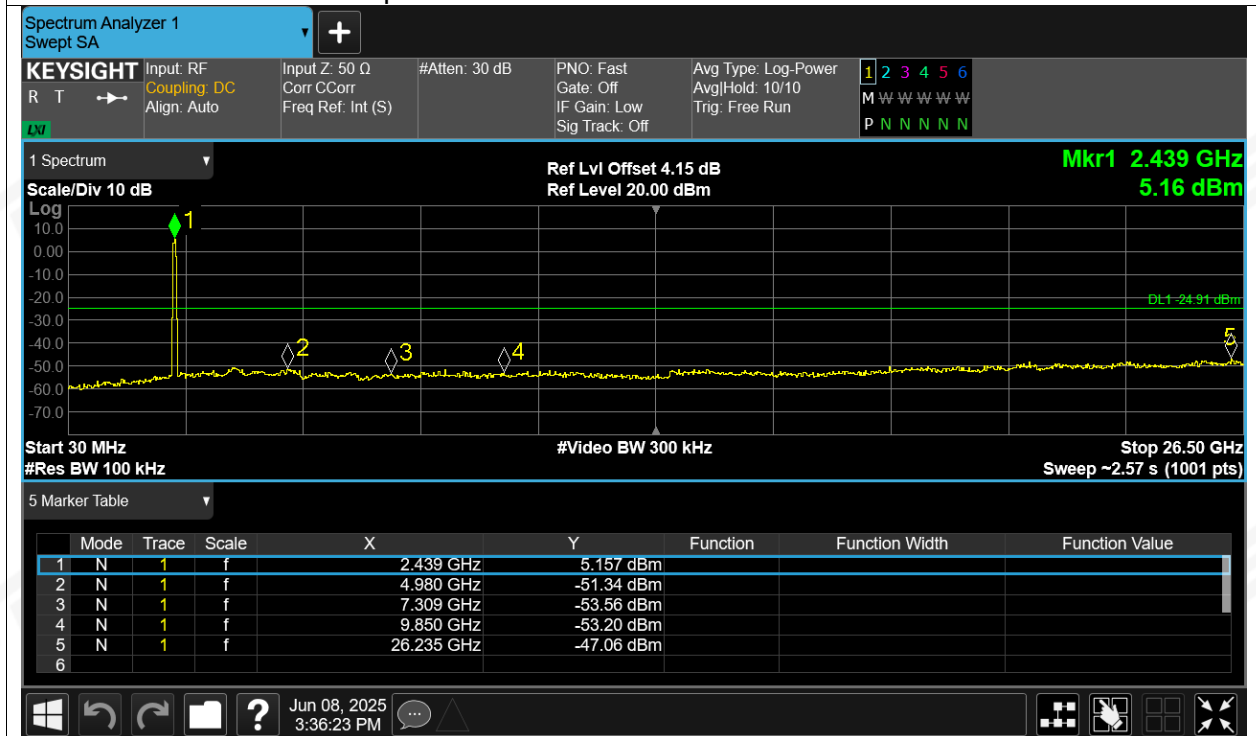
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



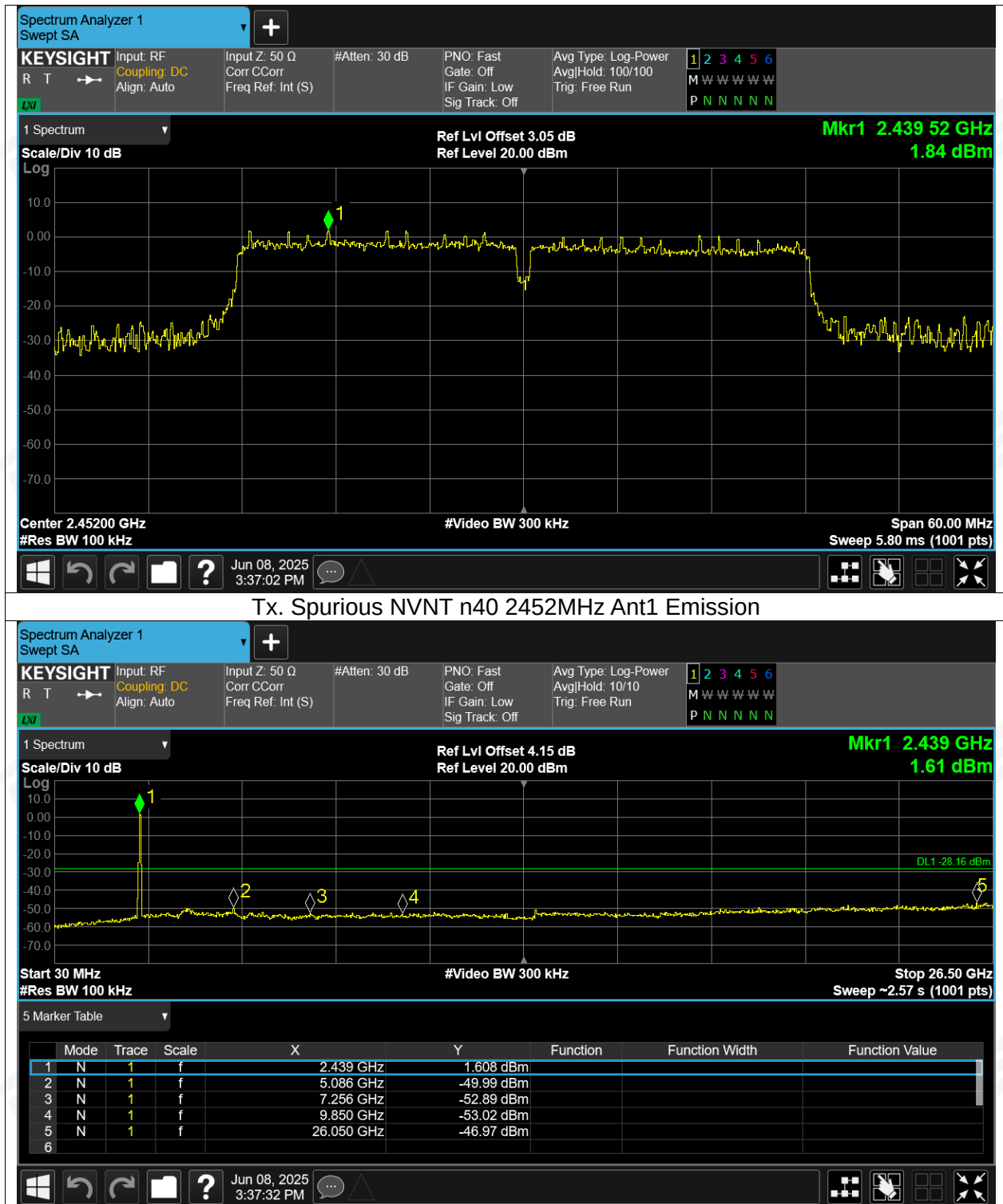
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



APPENDIX 2-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****