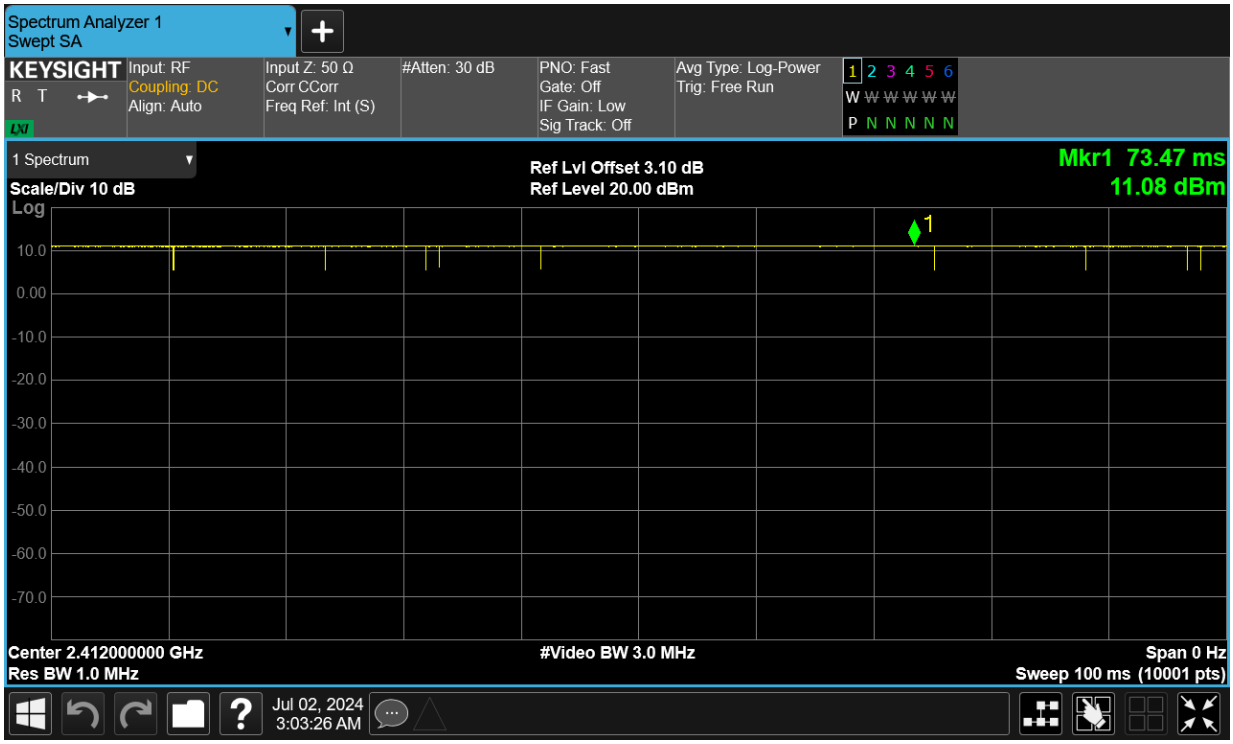
Test Data

Duty Cycle

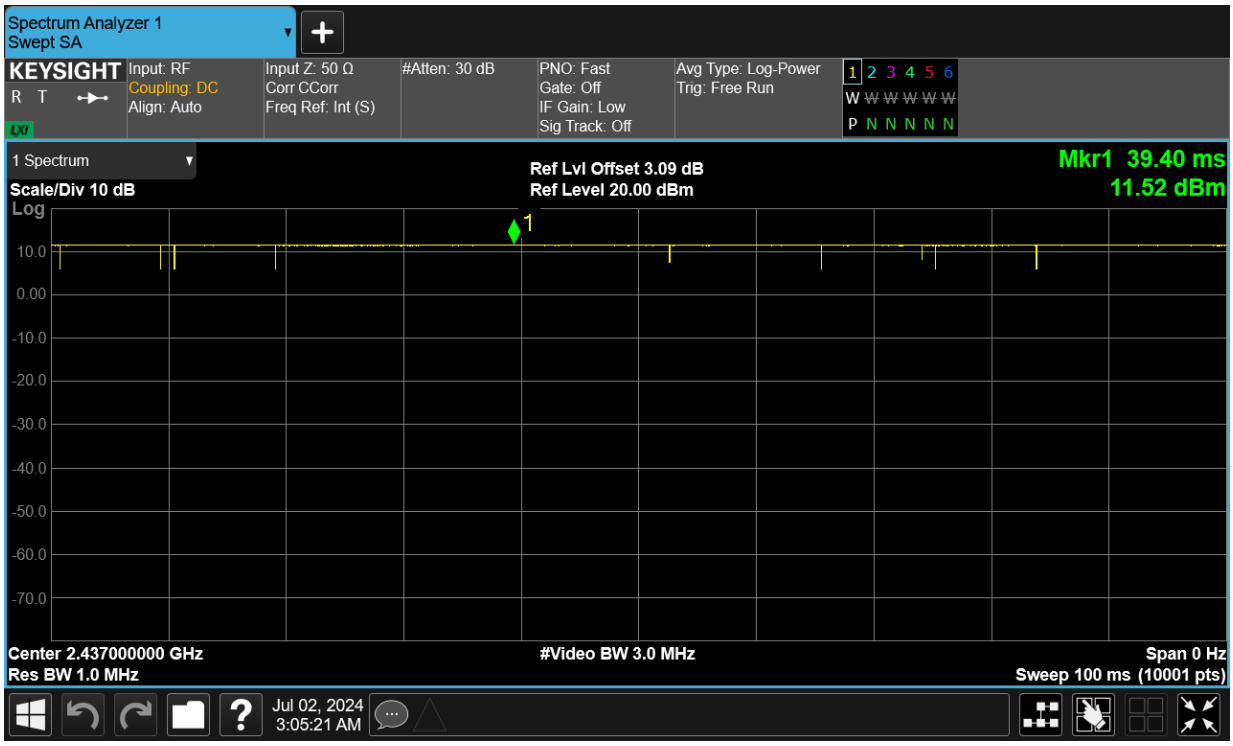
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	ANT2	100	0
NVNT	b	2437	ANT2	100	0
NVNT	b	2462	ANT2	100	0
NVNT	g	2412	ANT2	100	0
NVNT	g	2437	ANT2	100	0
NVNT	g	2462	ANT2	100	0
NVNT	n20	2412	ANT2	100	0
NVNT	n20	2437	ANT2	100	0
NVNT	n20	2462	ANT2	100	0
NVNT	n40	2422	ANT2	100	0
NVNT	n40	2437	ANT2	100	0
NVNT	n40	2452	ANT2	100	0

Test Graphs

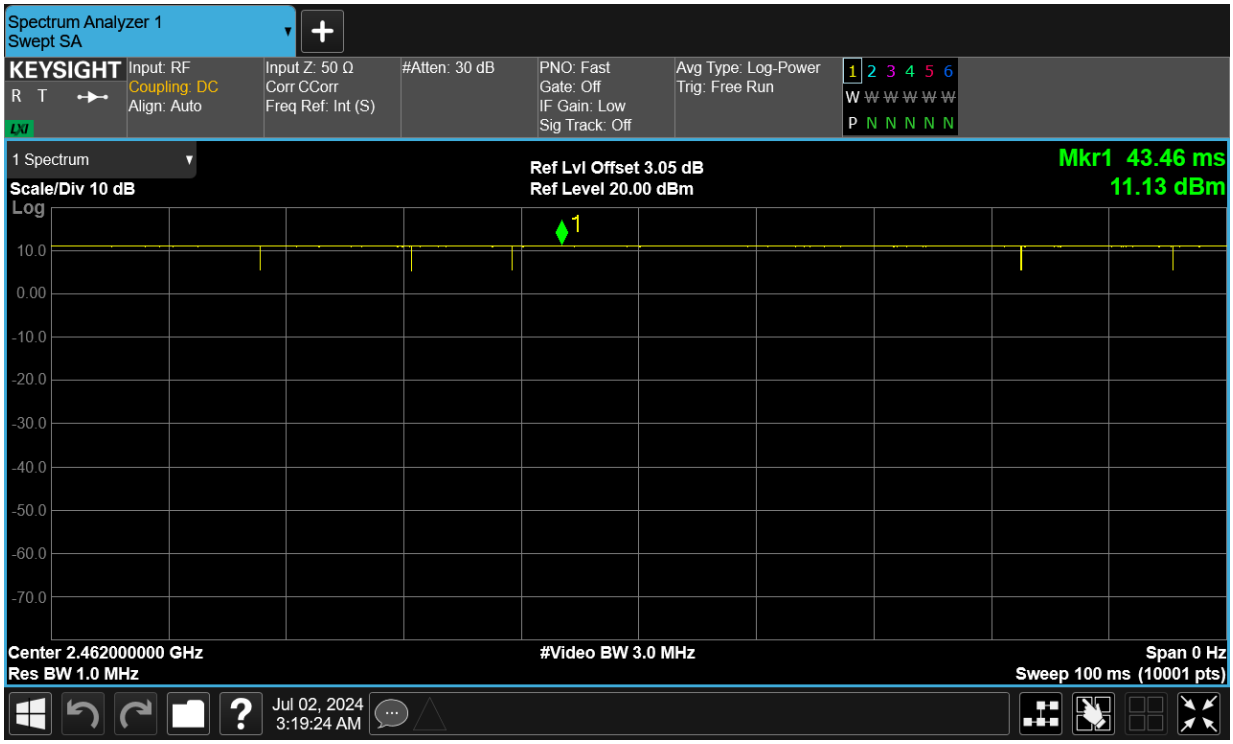
Duty Cycle NVNT b 2412MHz ANT2



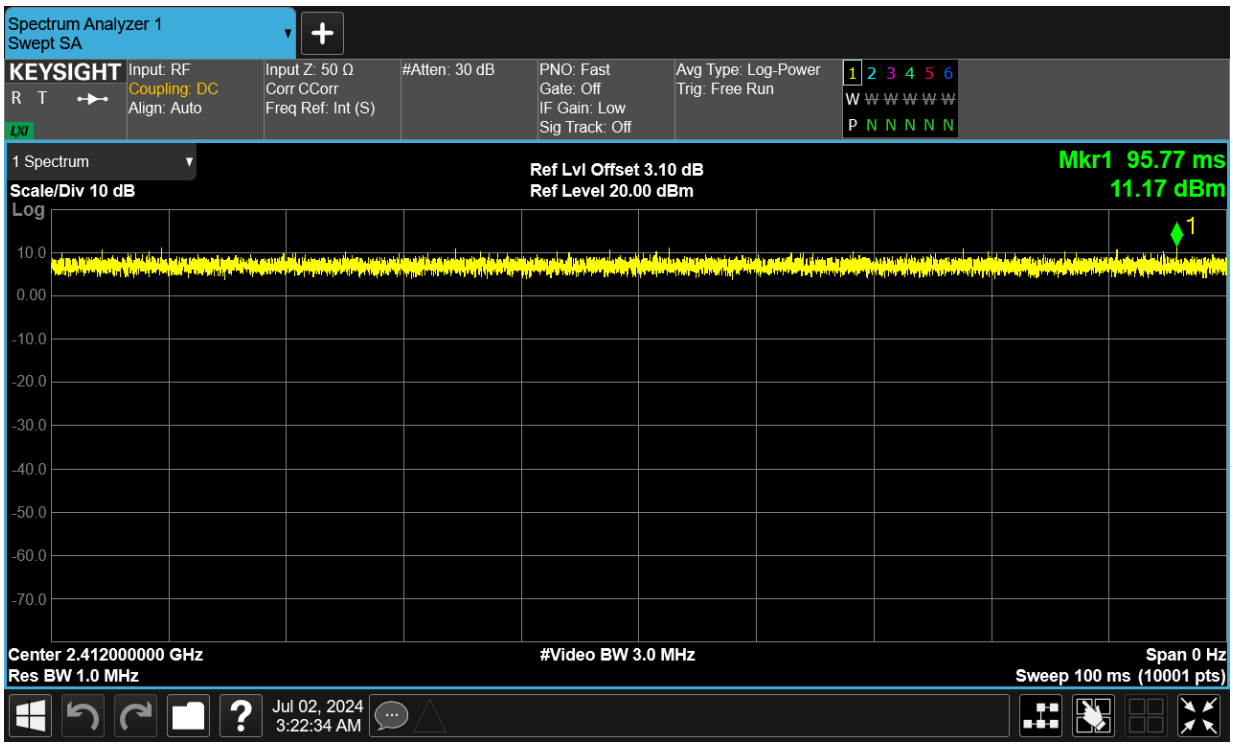
Duty Cycle NVNT b 2437MHz ANT2



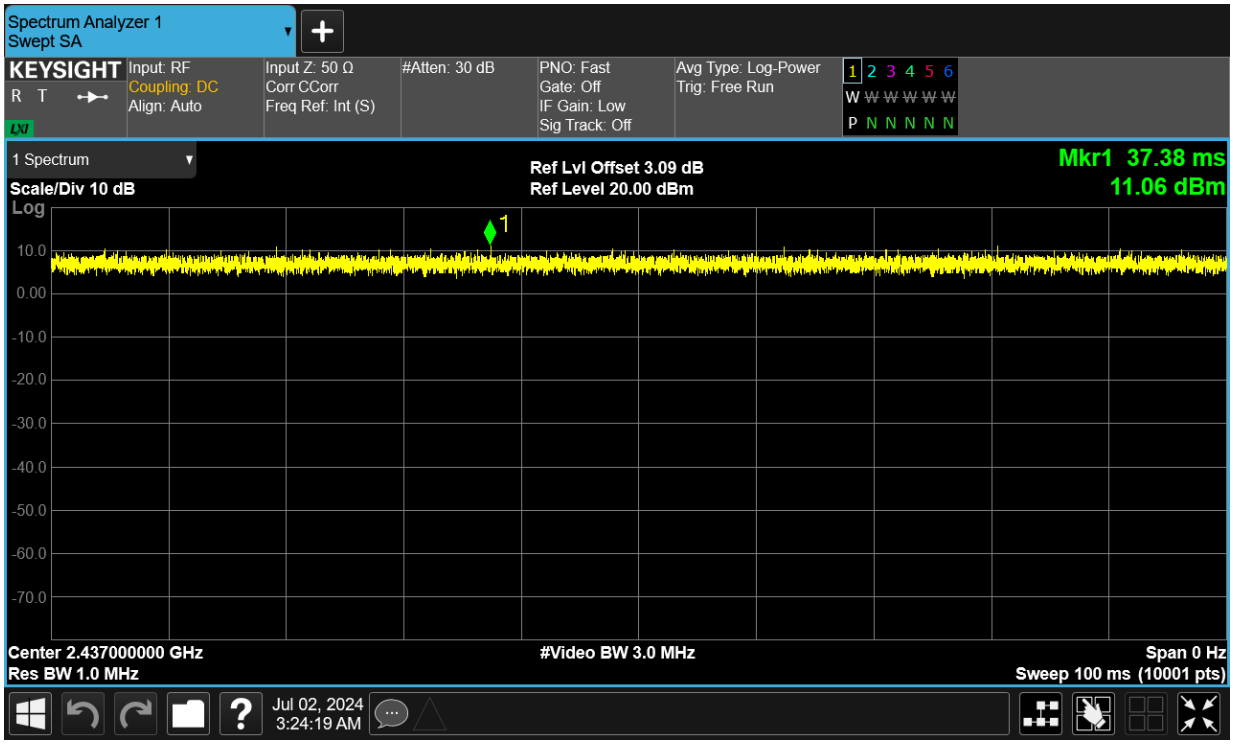
Duty Cycle NVNT b 2462MHz ANT2



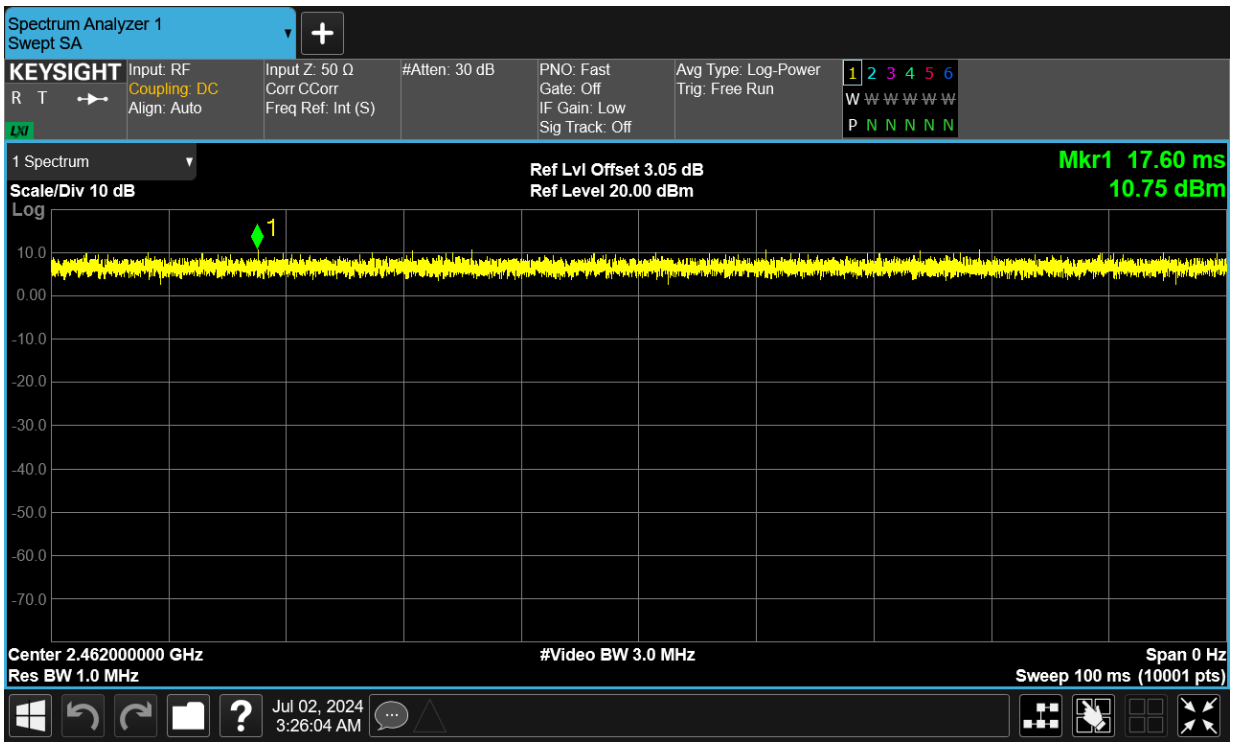
Duty Cycle NVNT g 2412MHz ANT2



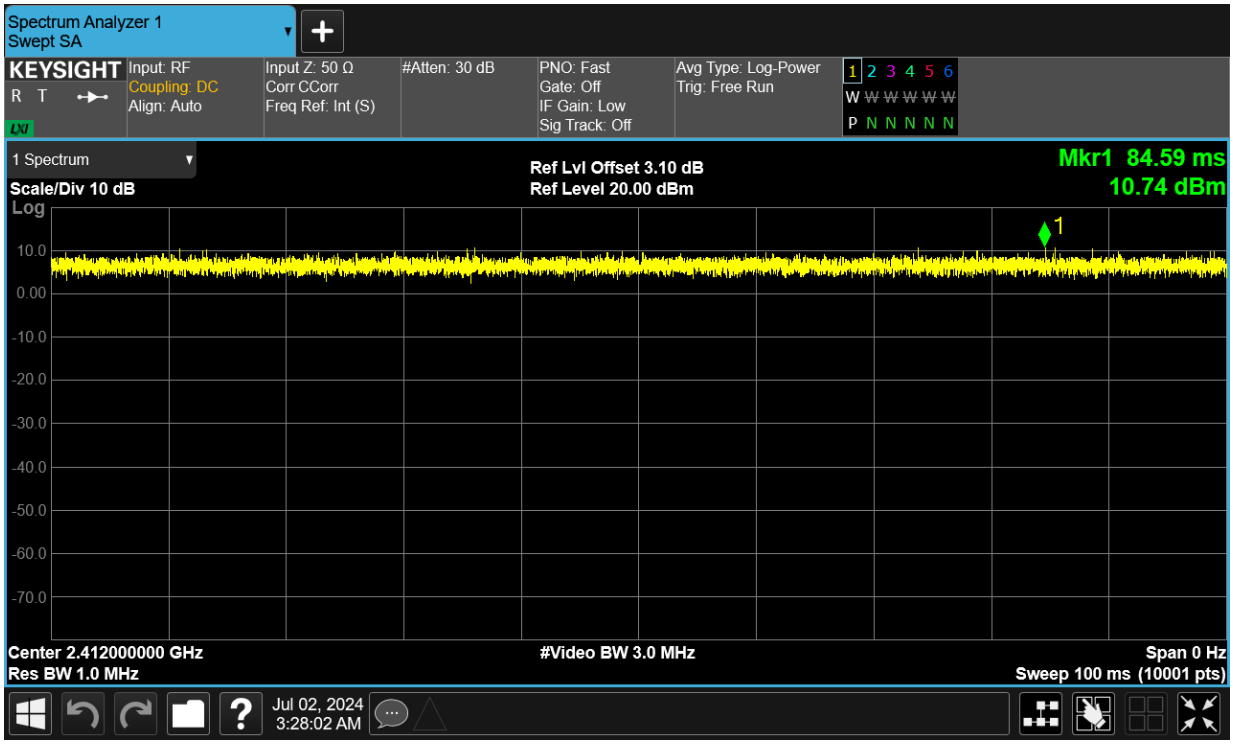
Duty Cycle NVNT g 2437MHz ANT2



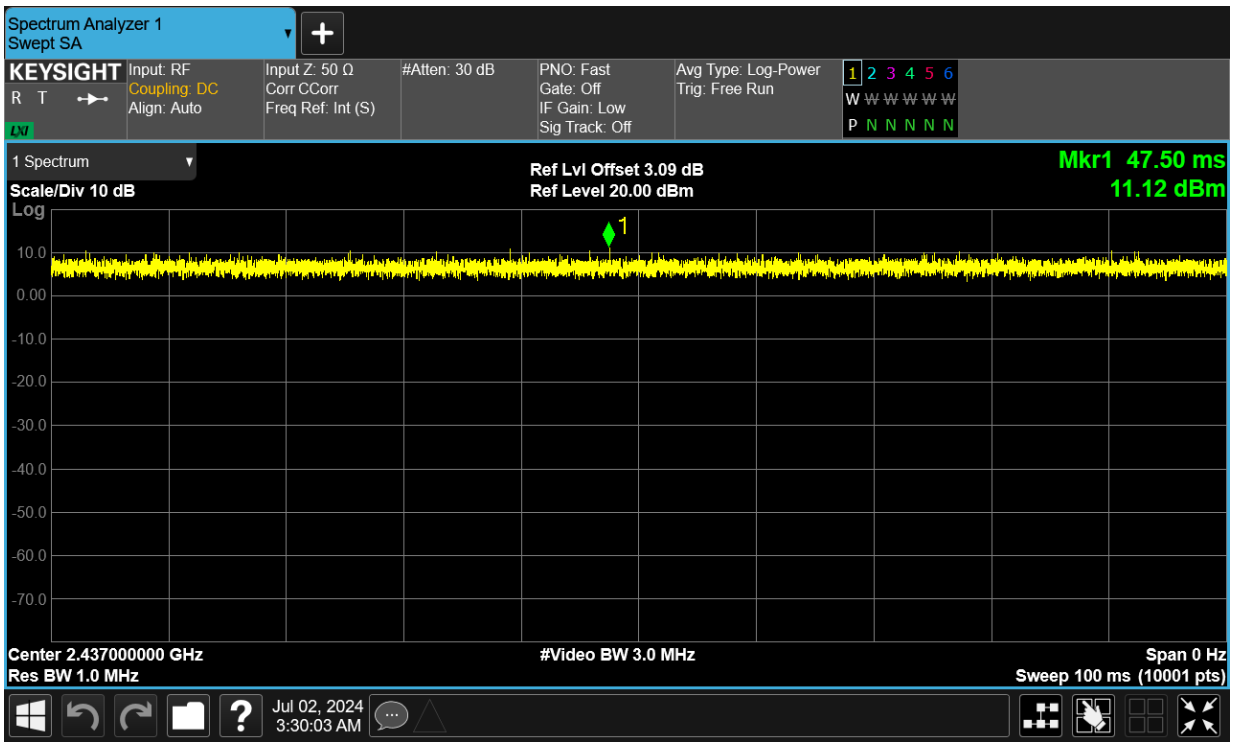
Duty Cycle NVNT g 2462MHz ANT2



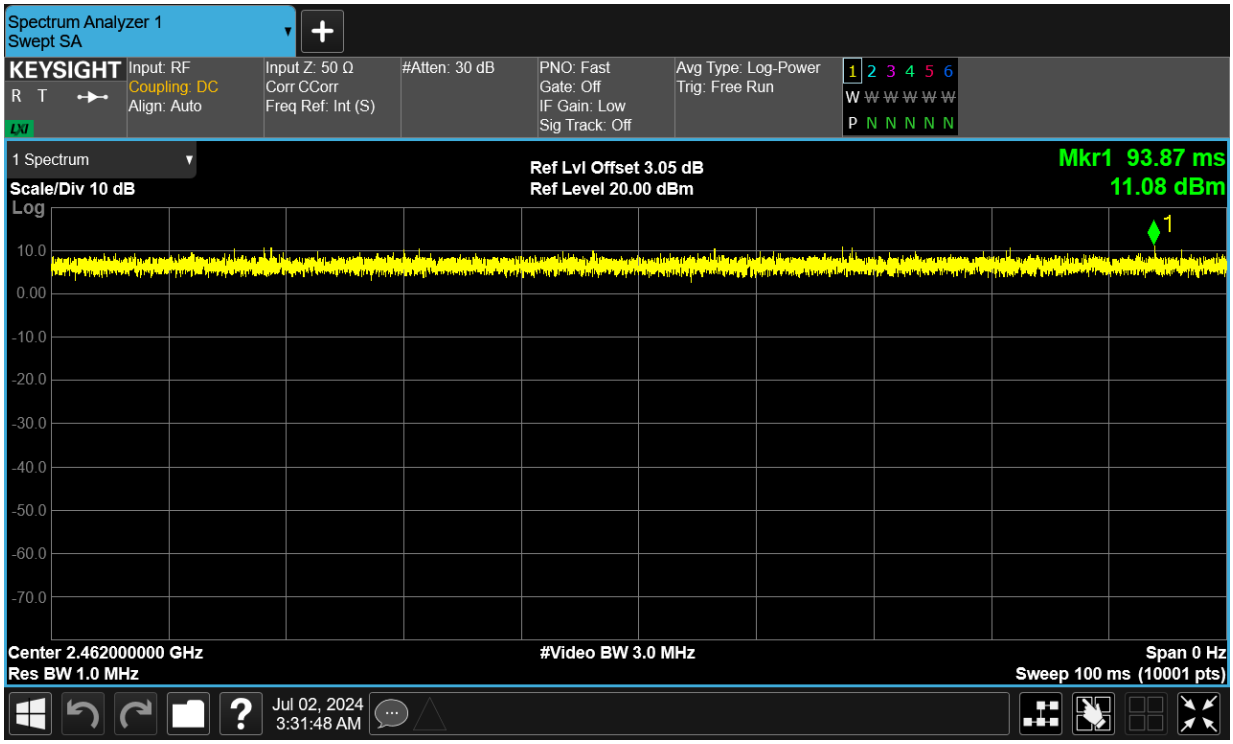
Duty Cycle NVNT n20 2412MHz ANT2



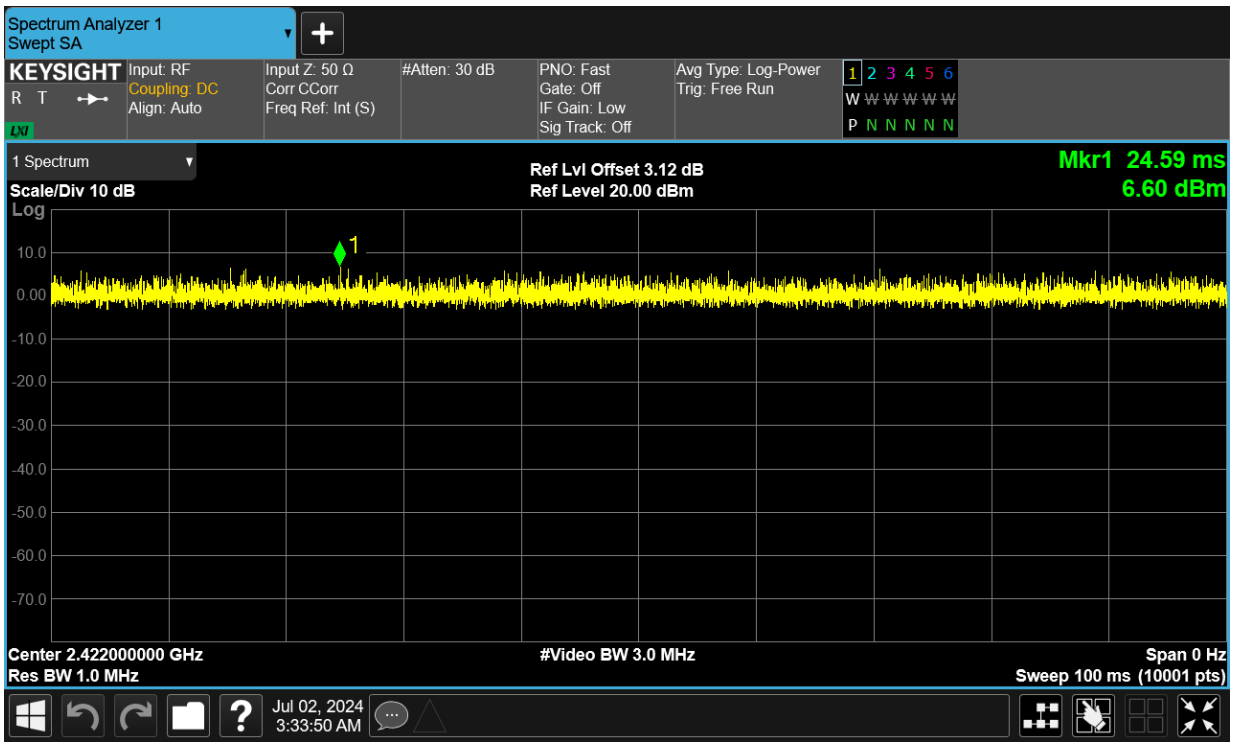
Duty Cycle NVNT n20 2437MHz ANT2



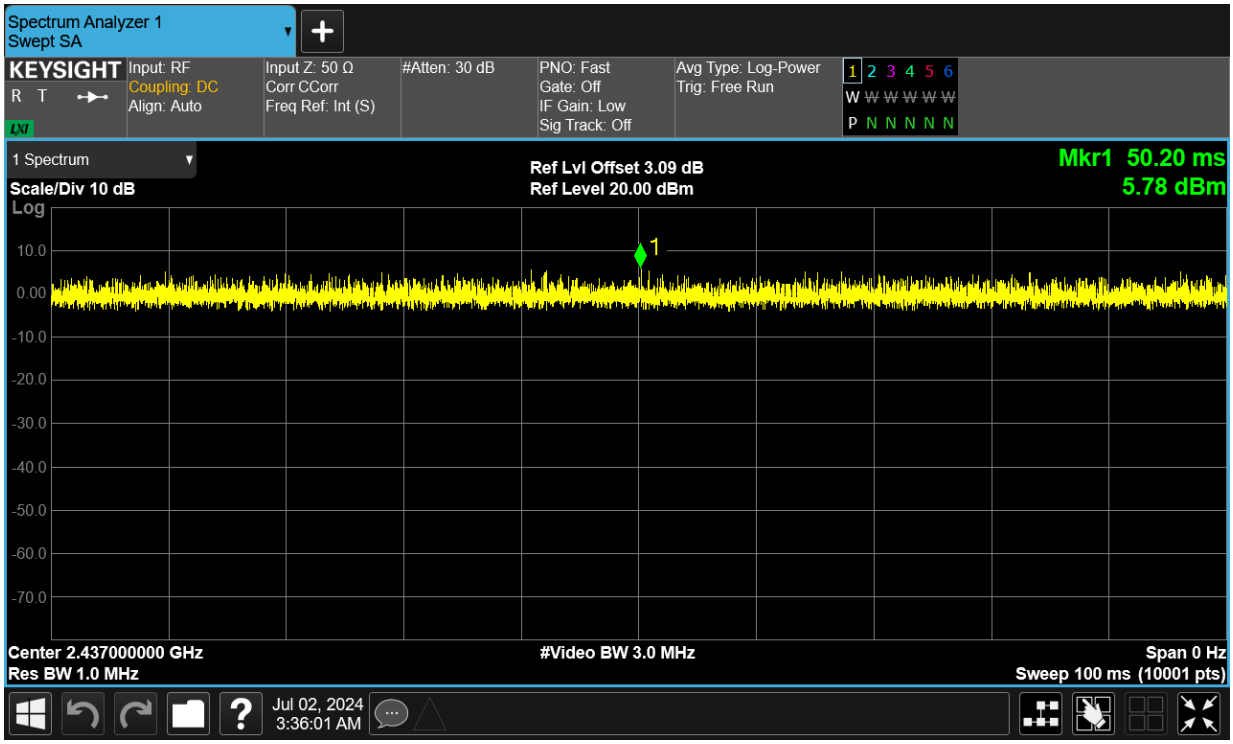
Duty Cycle NVNT n20 2462MHz ANT2



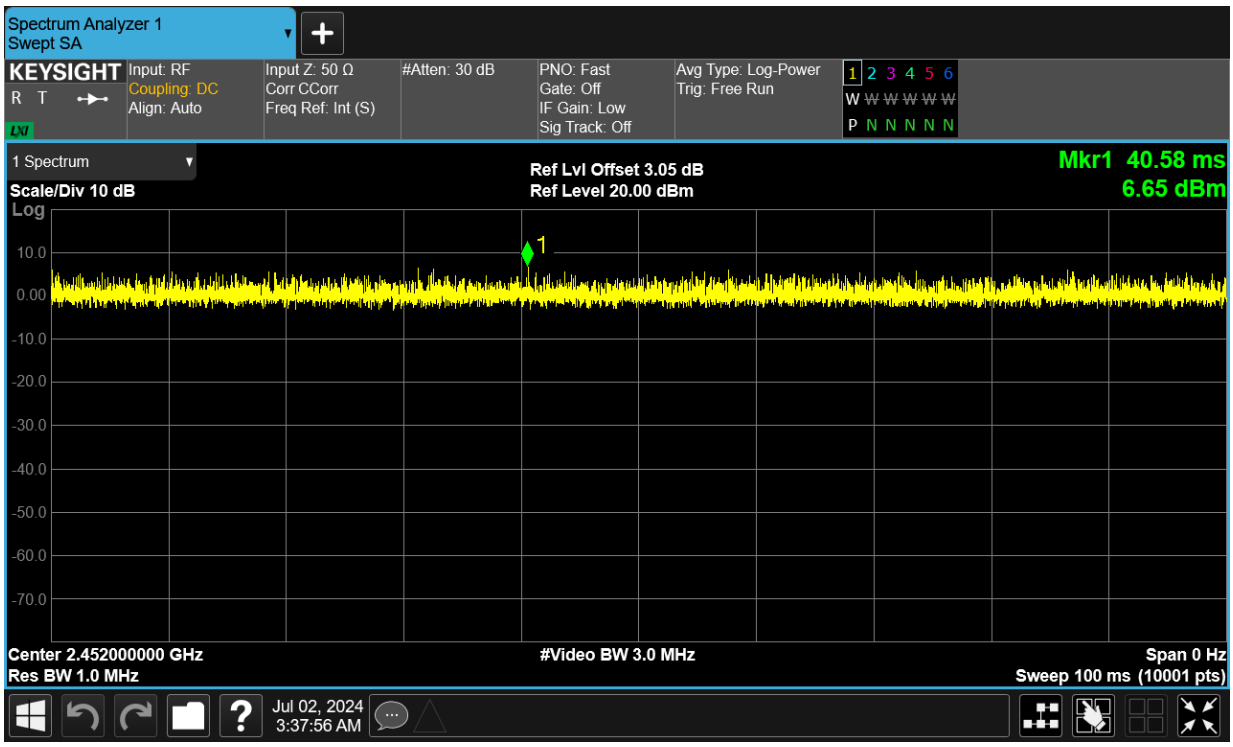
Duty Cycle NVNT n40 2422MHz ANT2



Duty Cycle NVNT n40 2437MHz ANT2



Duty Cycle NVNT n40 2452MHz ANT2



Maximum Conducted Output Power

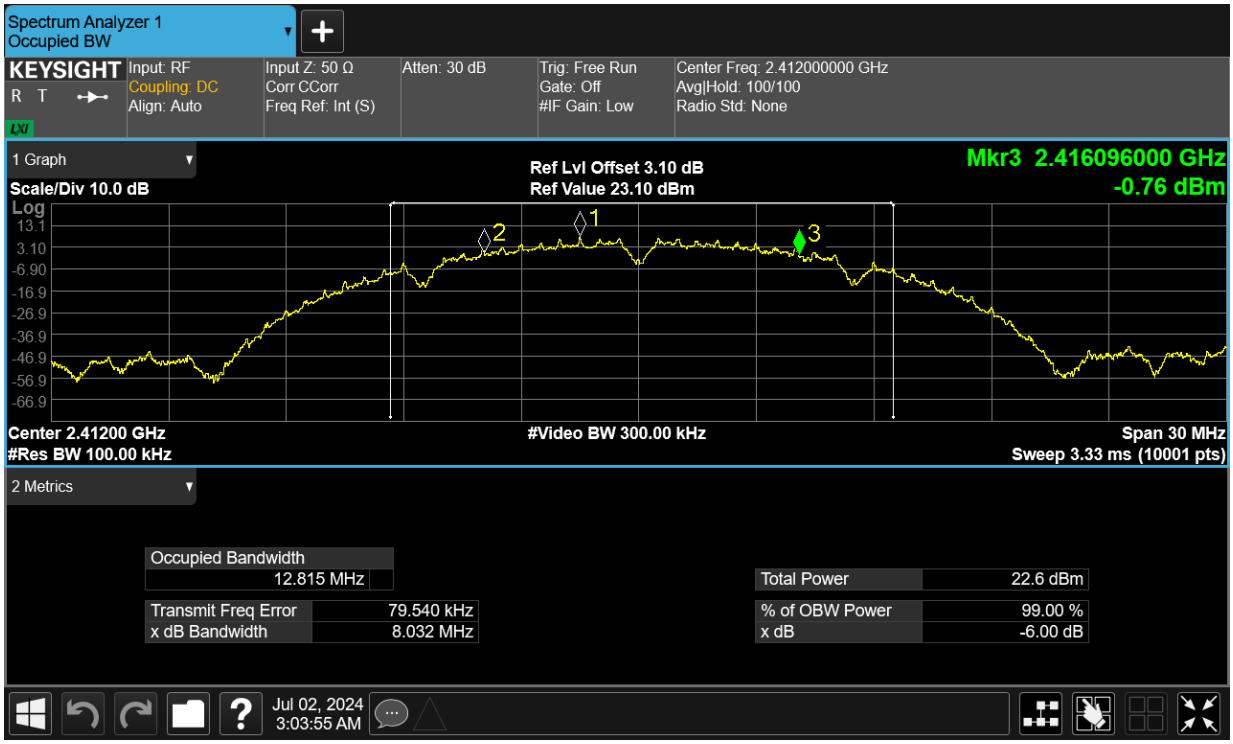
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT2	16.36	0	16.36	30	Pass
NVNT	b	2437	ANT2	16.37	0	16.37	30	Pass
NVNT	b	2462	ANT2	16.2	0	16.2	30	Pass
NVNT	g	2412	ANT2	13.46	0	13.46	30	Pass
NVNT	g	2437	ANT2	13.14	0	13.14	30	Pass
NVNT	g	2462	ANT2	13.14	0	13.14	30	Pass
NVNT	n20	2412	ANT2	13.32	0	13.32	30	Pass
NVNT	n20	2437	ANT2	13.04	0	13.04	30	Pass
NVNT	n20	2462	ANT2	13.24	0	13.24	30	Pass
NVNT	n40	2422	ANT2	13.24	0	13.24	30	Pass
NVNT	n40	2437	ANT2	12.92	0	12.92	30	Pass
NVNT	n40	2452	ANT2	13.2	0	13.2	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	ANT2	8.032	0.5	Pass
NVNT	b	2437	ANT2	8.059	0.5	Pass
NVNT	b	2462	ANT2	8.079	0.5	Pass
NVNT	g	2412	ANT2	16.337	0.5	Pass
NVNT	g	2437	ANT2	16.352	0.5	Pass
NVNT	g	2462	ANT2	16.33	0.5	Pass
NVNT	n20	2412	ANT2	17.559	0.5	Pass
NVNT	n20	2437	ANT2	17.599	0.5	Pass
NVNT	n20	2462	ANT2	17.585	0.5	Pass
NVNT	n40	2422	ANT2	35.996	0.5	Pass
NVNT	n40	2437	ANT2	36.302	0.5	Pass
NVNT	n40	2452	ANT2	34.489	0.5	Pass

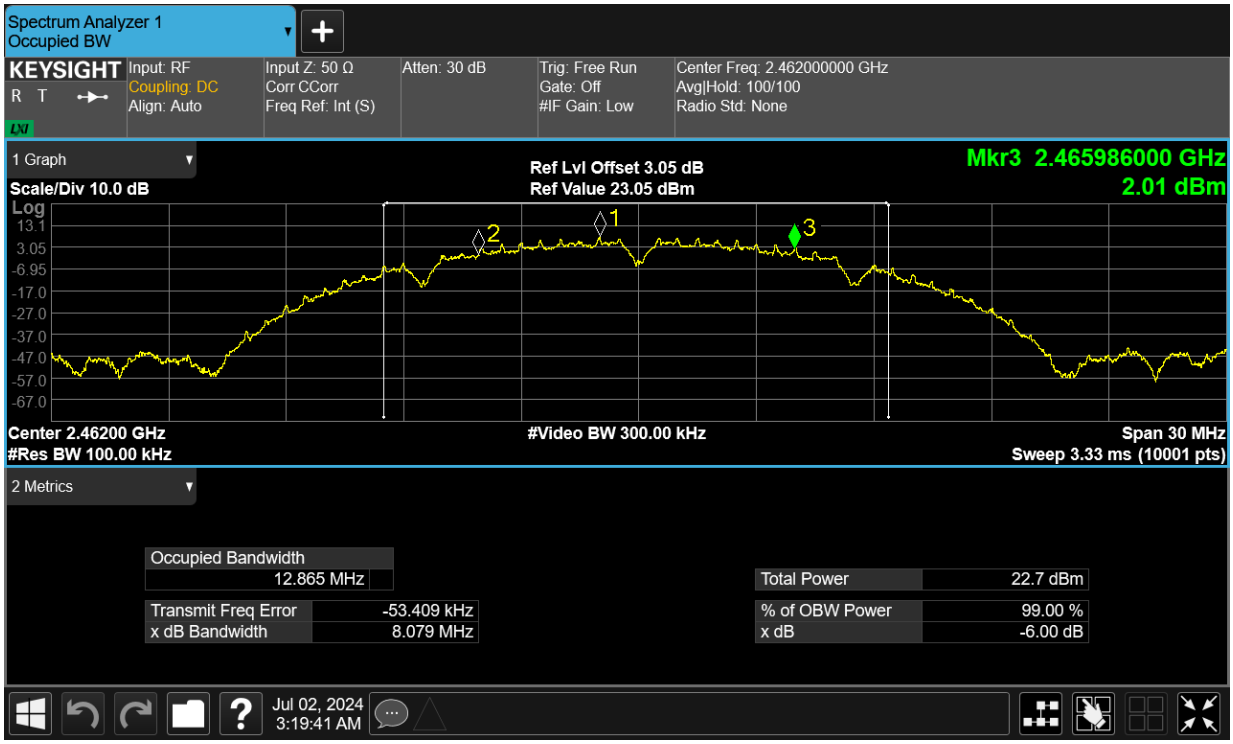
Test Graphs

-6dB Bandwidth NVNT b 2412MHz ANT2

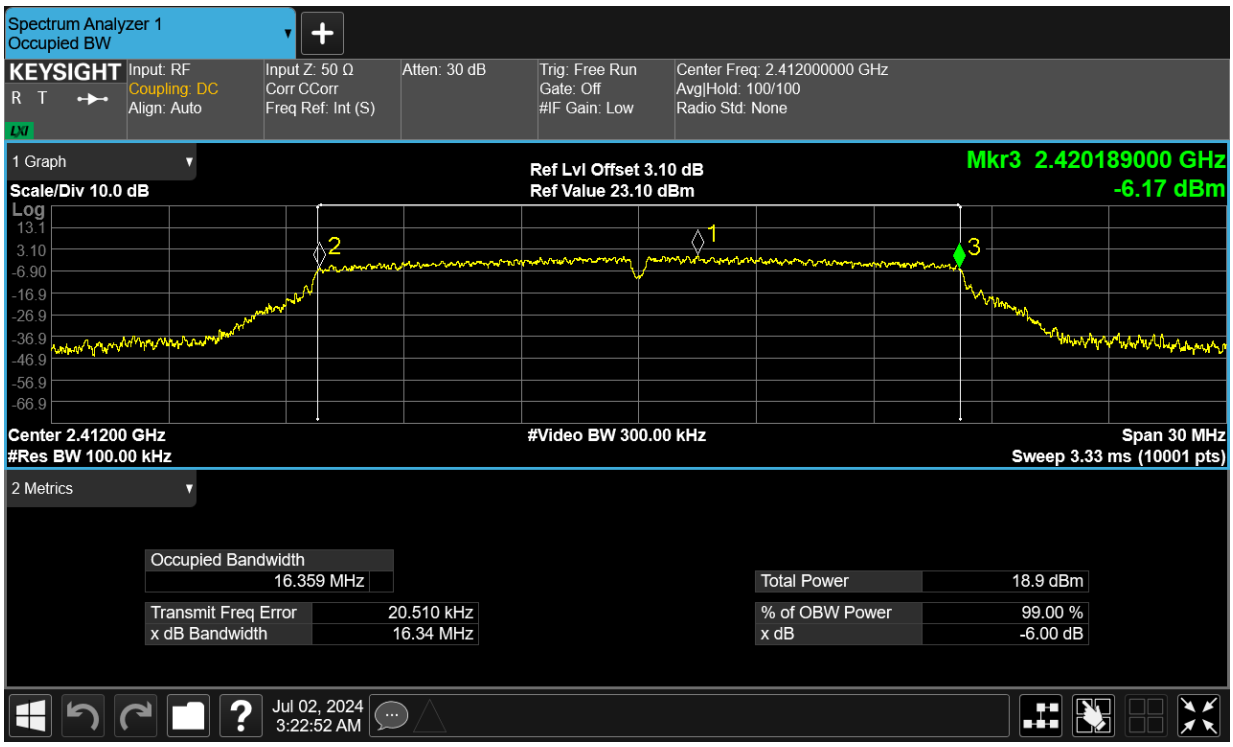


-6dB Bandwidth NVNT b 2437MHz ANT2

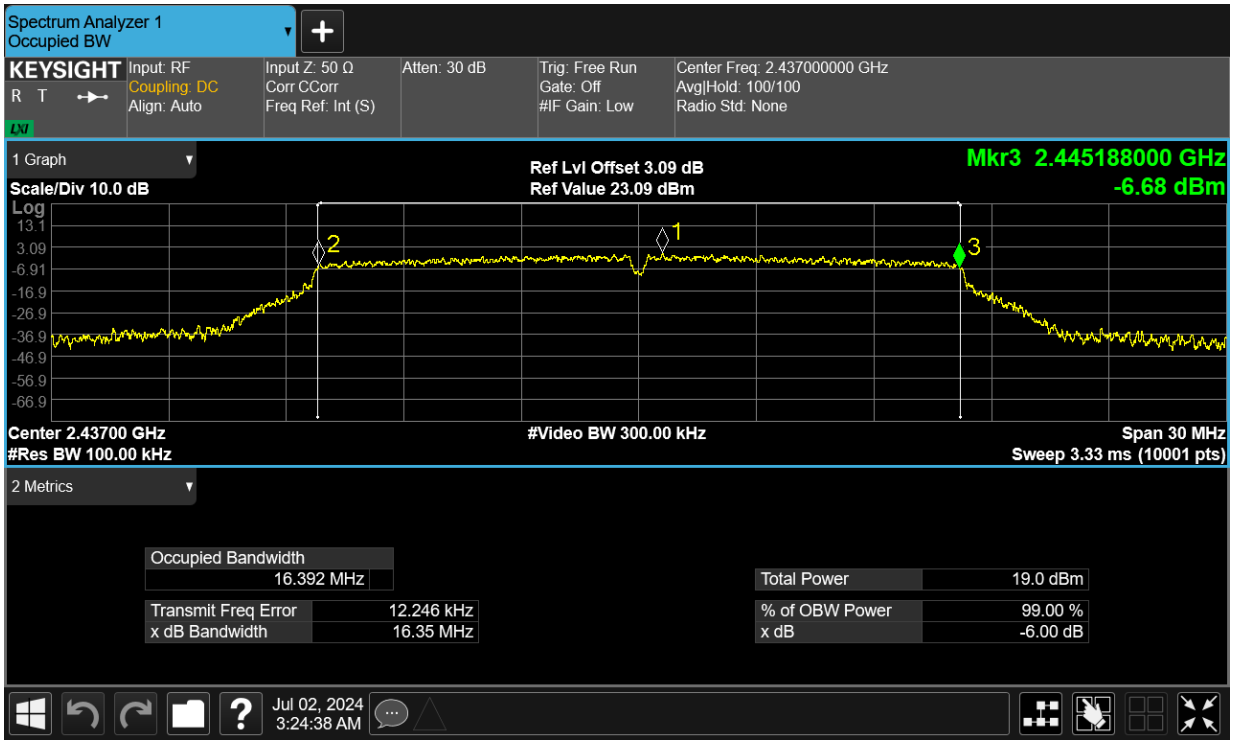
-6dB Bandwidth NVNT b 2462MHz ANT2



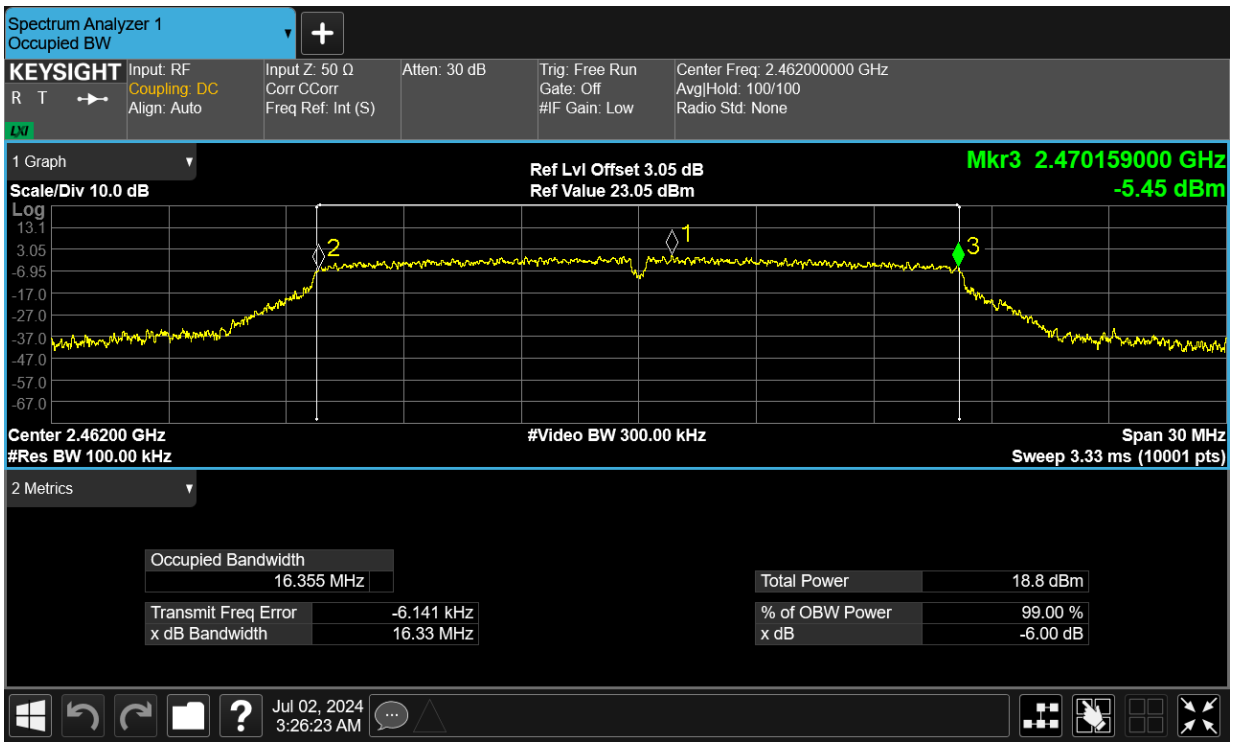
-6dB Bandwidth NVNT g 2412MHz ANT2



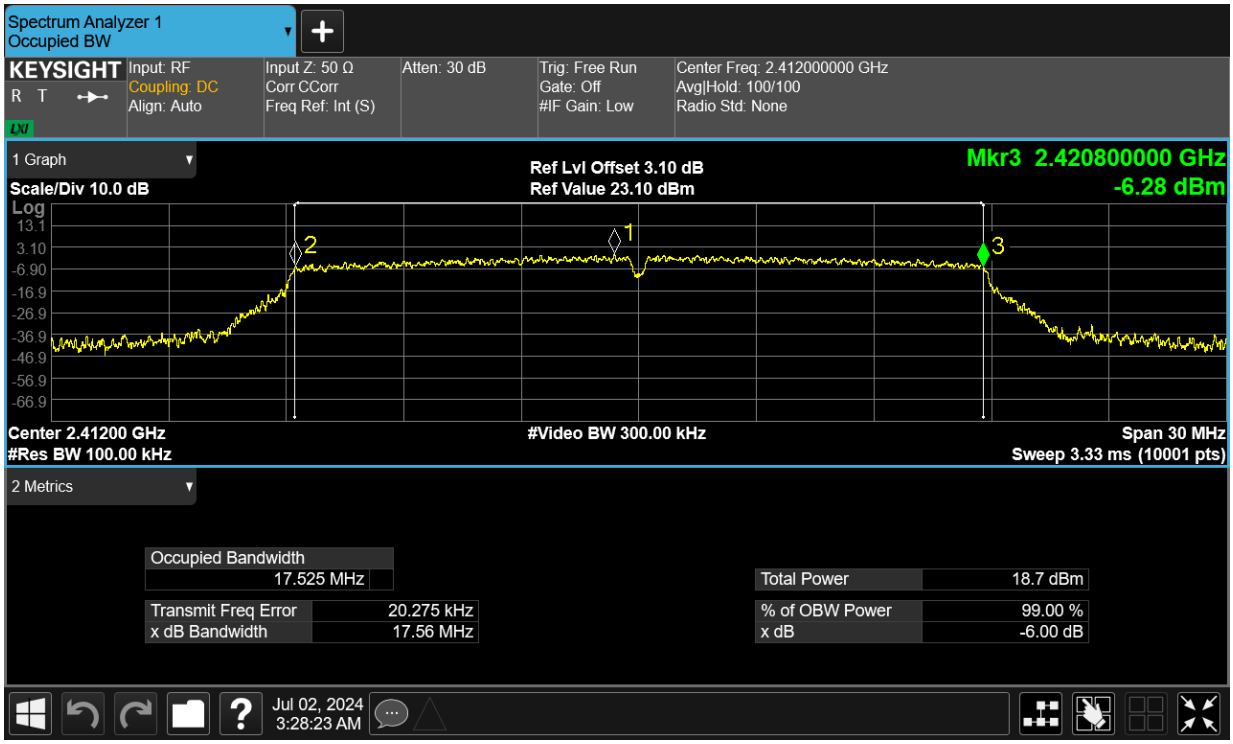
-6dB Bandwidth NVNT g 2437MHz ANT2



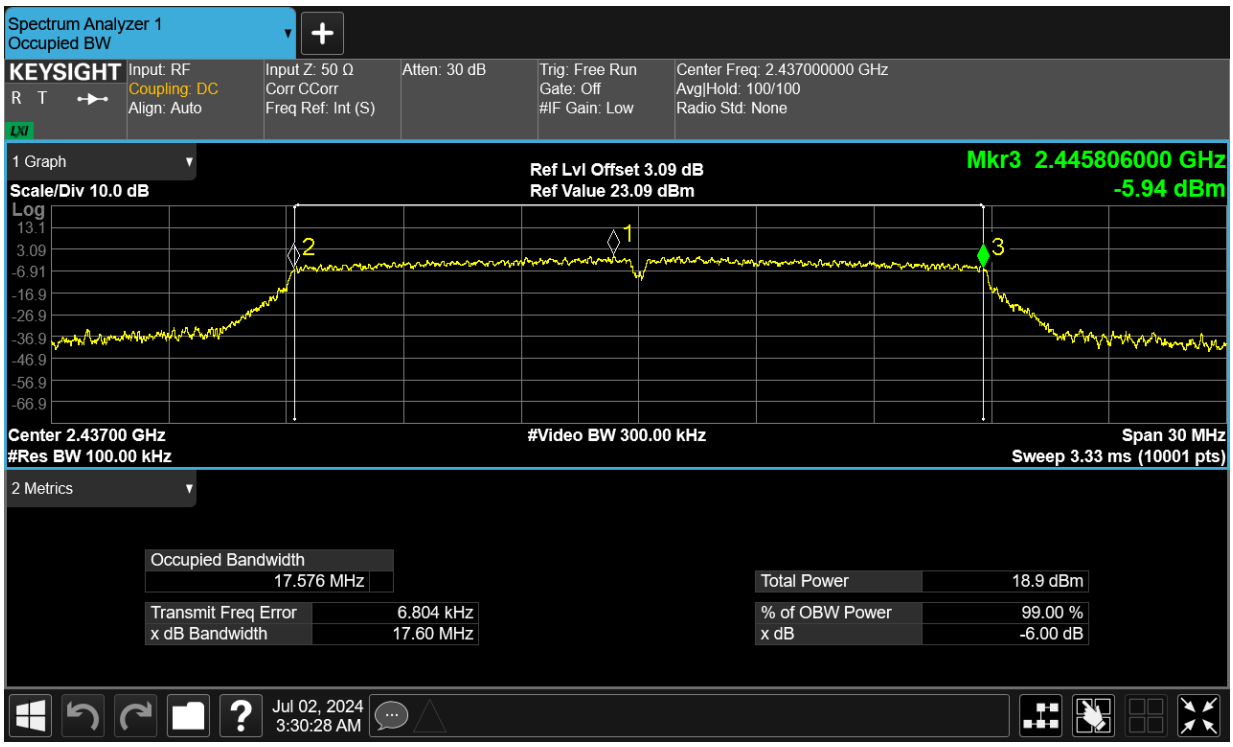
-6dB Bandwidth NVNT g 2462MHz ANT2



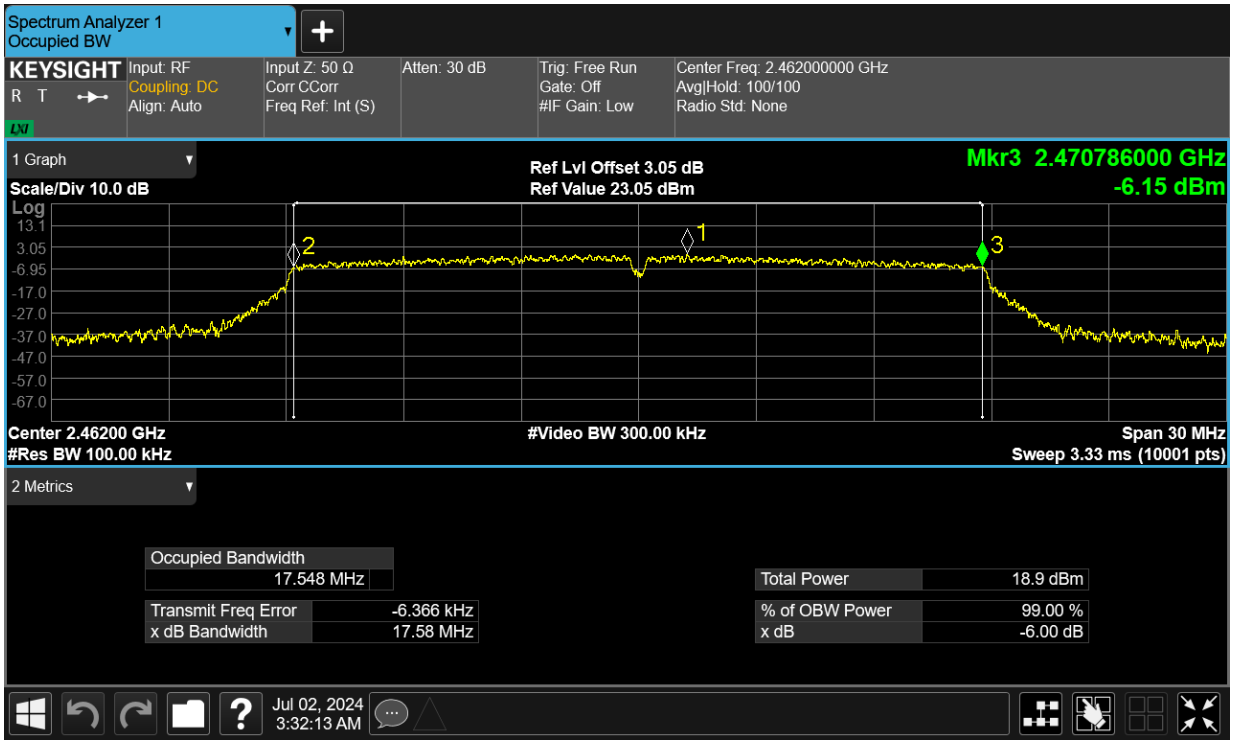
-6dB Bandwidth NVNT n20 2412MHz ANT2



-6dB Bandwidth NVNT n20 2437MHz ANT2



-6dB Bandwidth NVNT n20 2462MHz ANT2



-6dB Bandwidth NVNT n40 2422MHz ANT2

-6dB Bandwidth NVNT n40 2437MHz ANT2

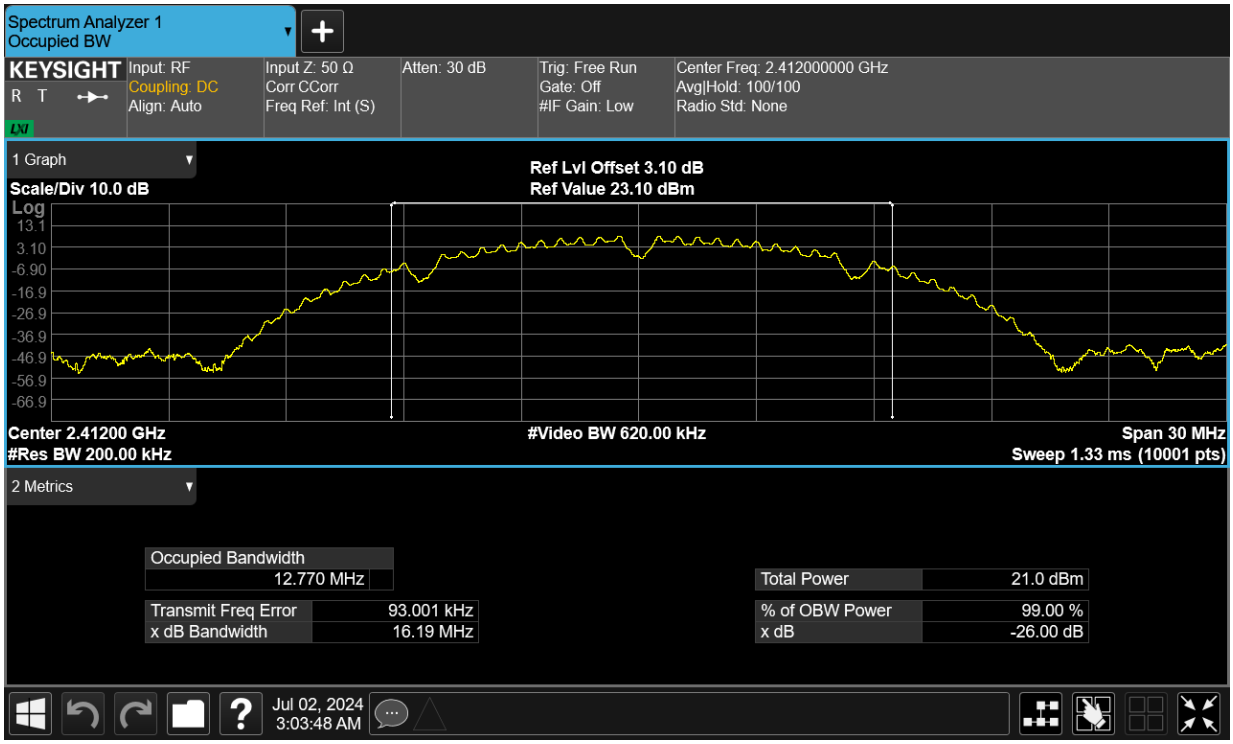
-6dB Bandwidth NVNT n40 2452MHz ANT2

Occupied Channel Bandwidth

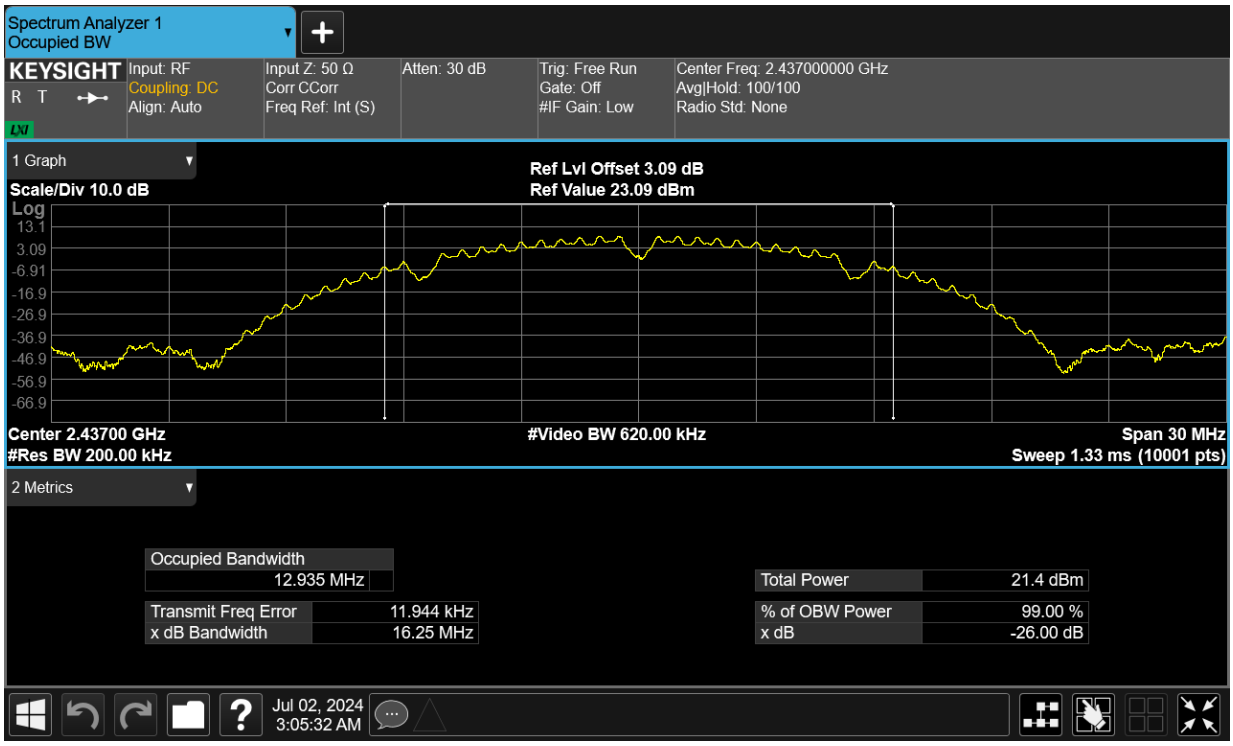
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	ANT2	12.77
NVNT	b	2437	ANT2	12.935
NVNT	b	2462	ANT2	12.889
NVNT	g	2412	ANT2	16.398
NVNT	g	2437	ANT2	16.467
NVNT	g	2462	ANT2	16.424
NVNT	n20	2412	ANT2	17.56
NVNT	n20	2437	ANT2	17.615
NVNT	n20	2462	ANT2	17.577
NVNT	n40	2422	ANT2	35.912
NVNT	n40	2437	ANT2	36.115
NVNT	n40	2452	ANT2	35.934

Test Graphs

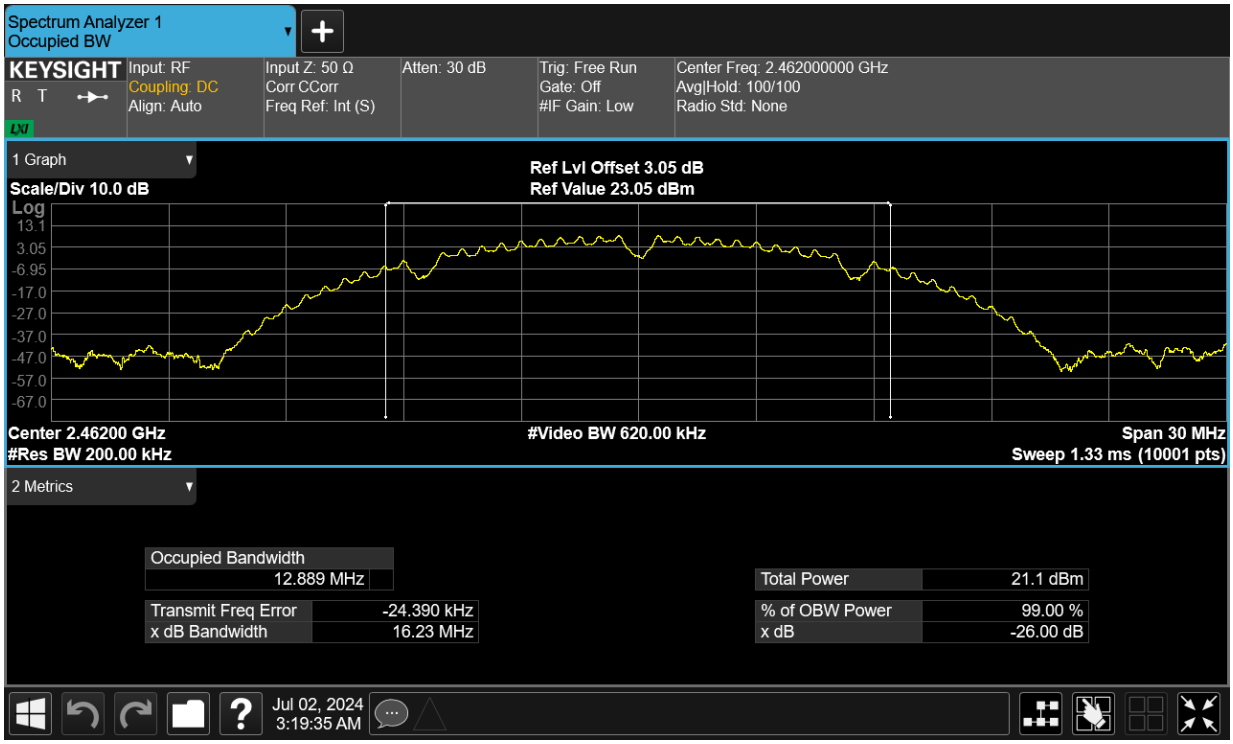
OBW NVNT b 2412MHz ANT2



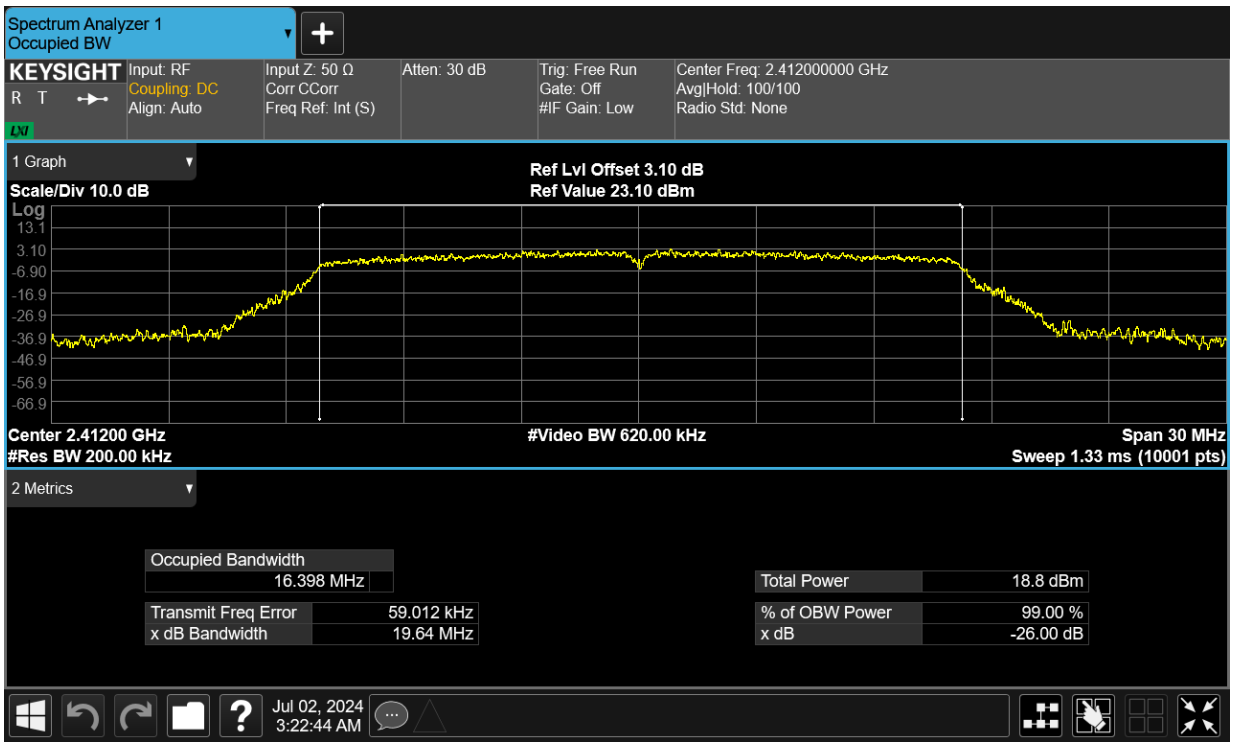
OBW NVNT b 2437MHz ANT2



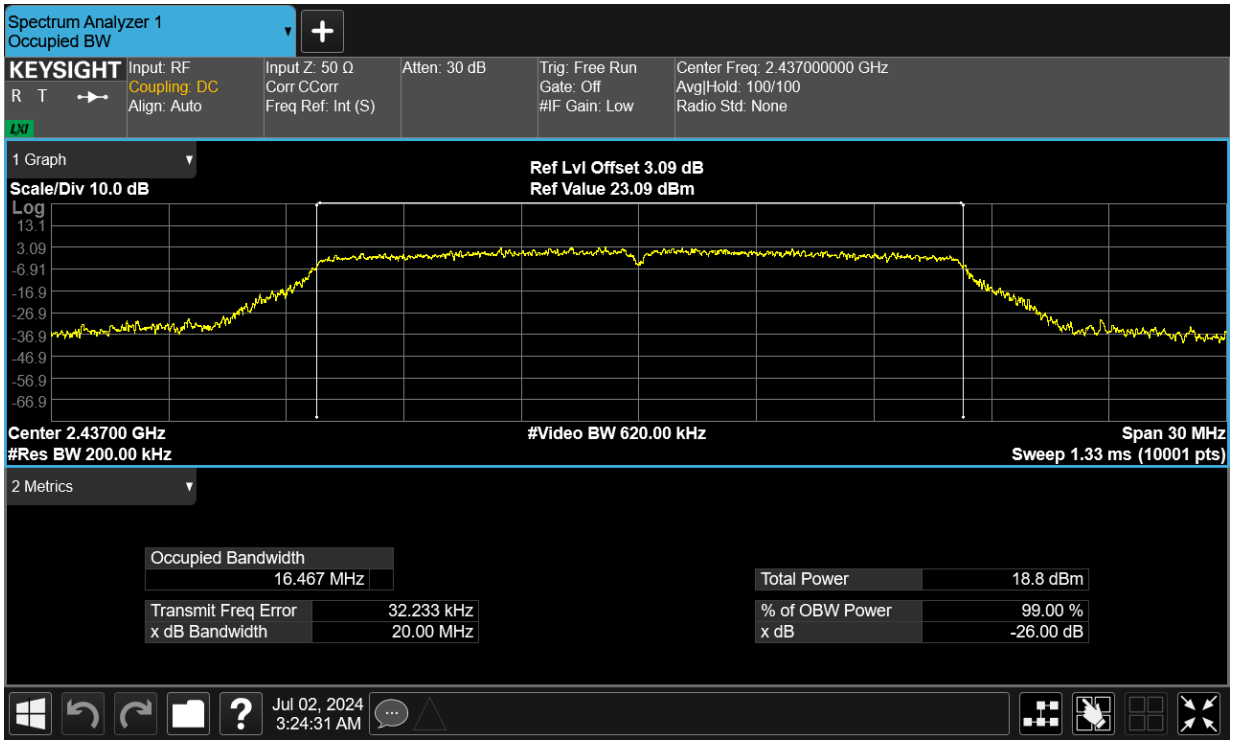
OBW NVNT b 2462MHz ANT2



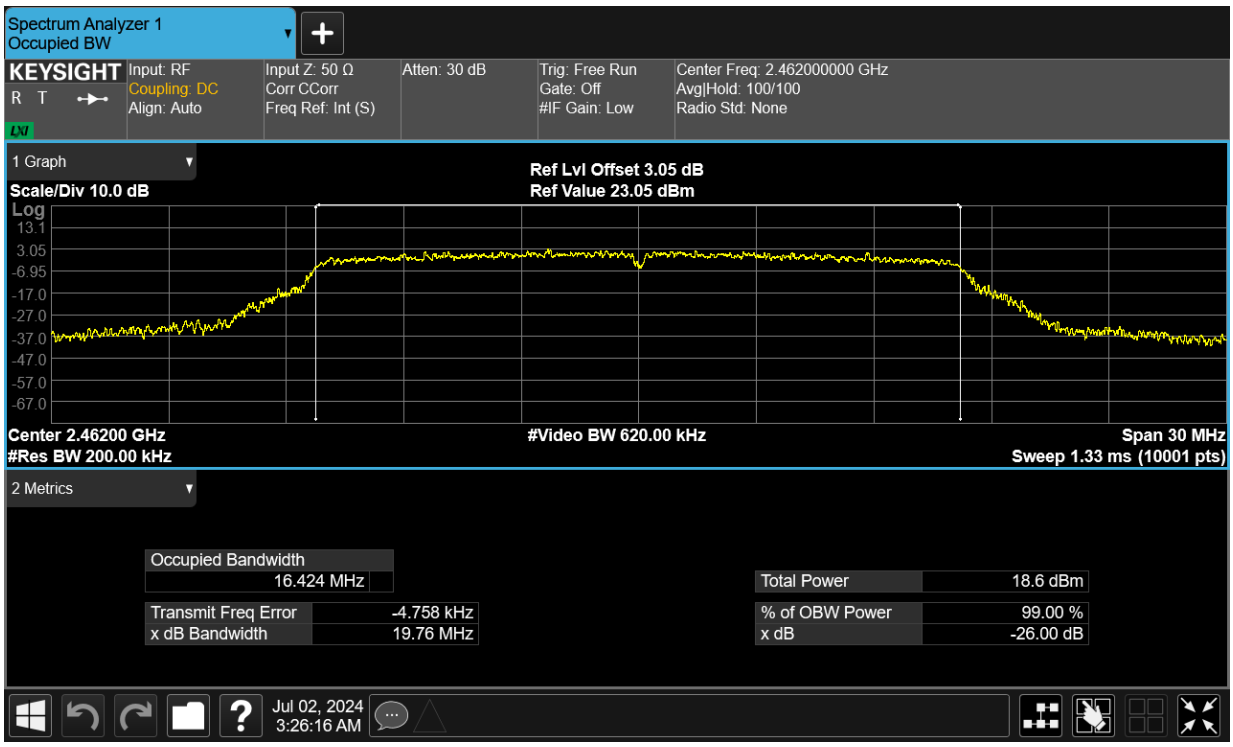
OBW NVNT g 2412MHz ANT2



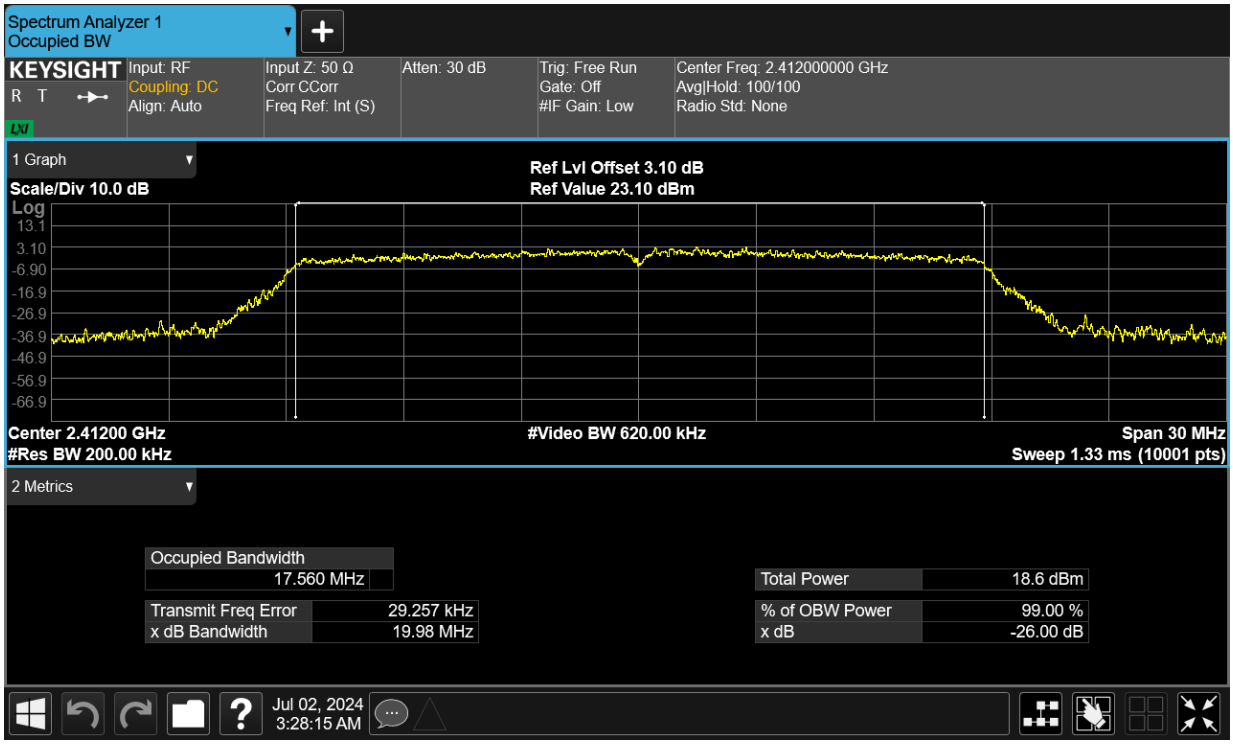
OBW NVNT g 2437MHz ANT2



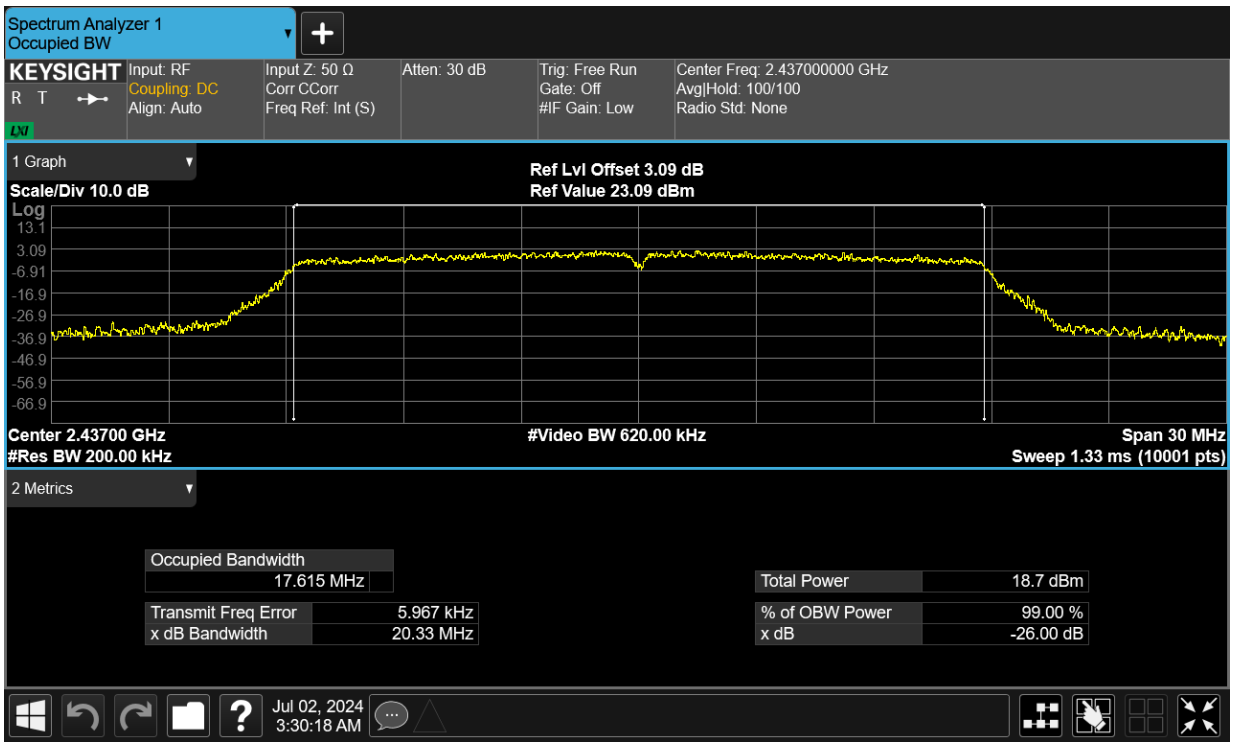
OBW NVNT g 2462MHz ANT2



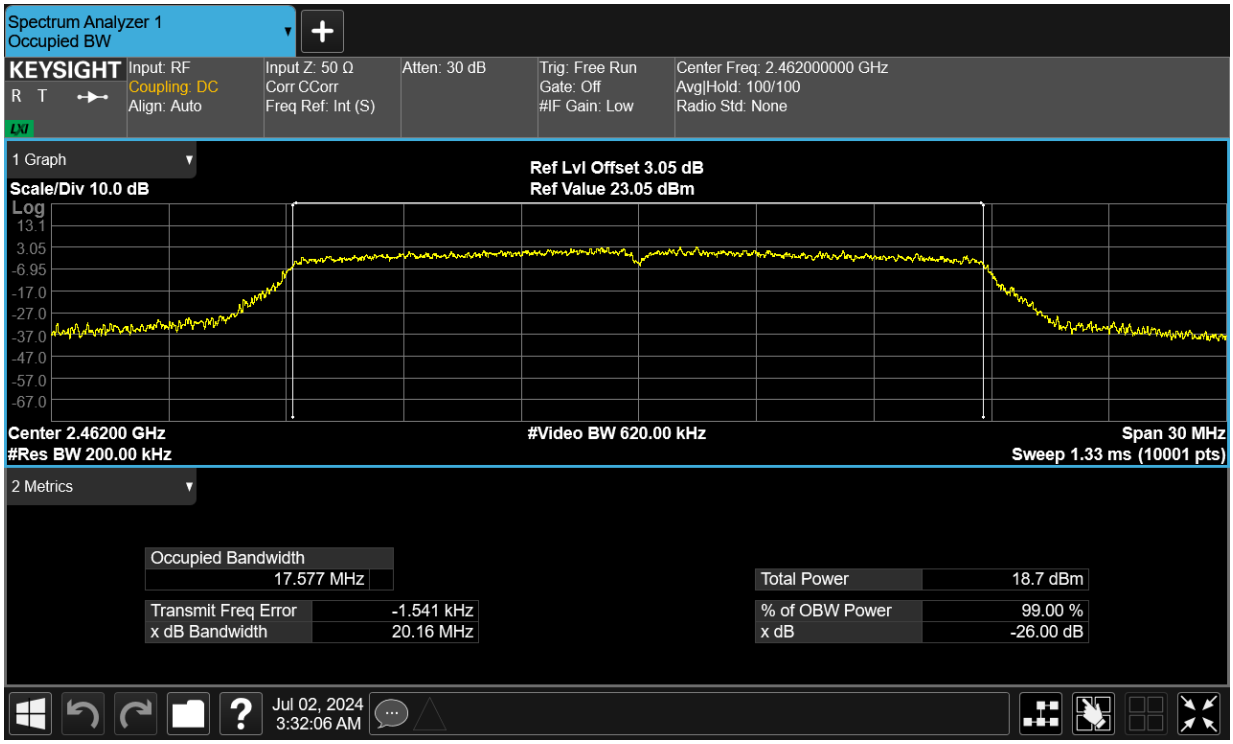
OBW NVNT n20 2412MHz ANT2



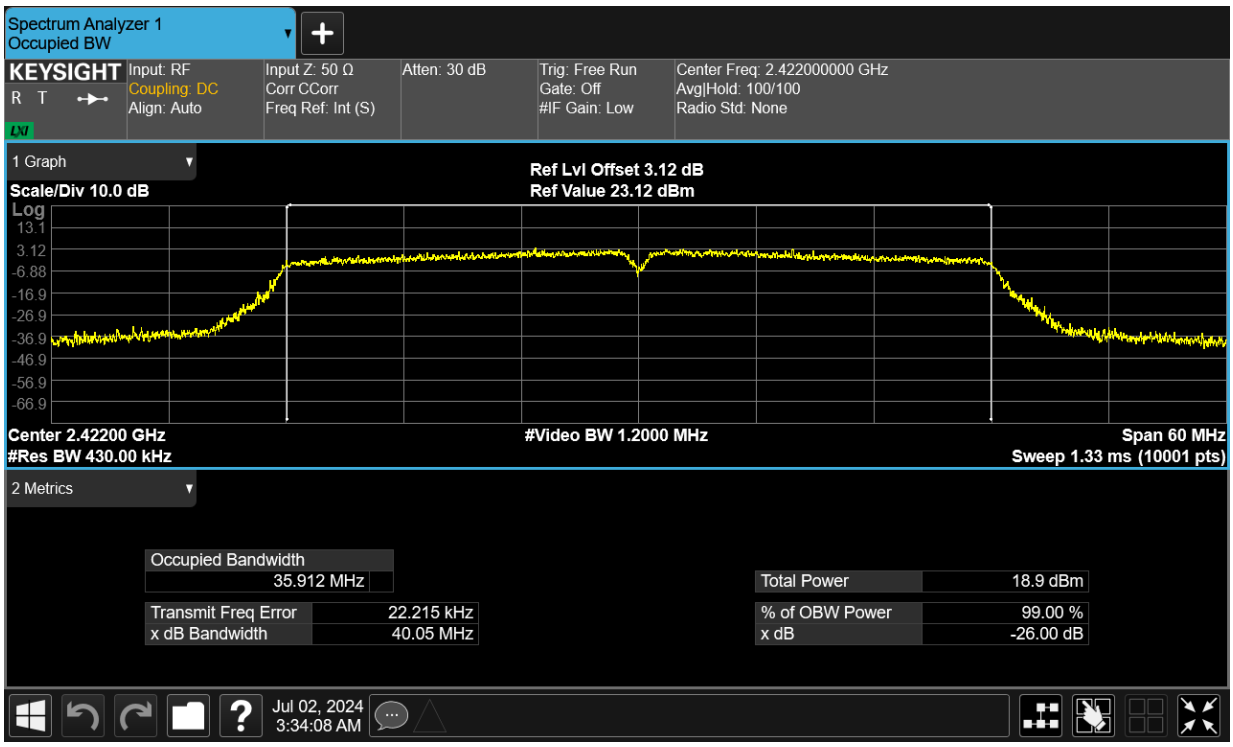
OBW NVNT n20 2437MHz ANT2



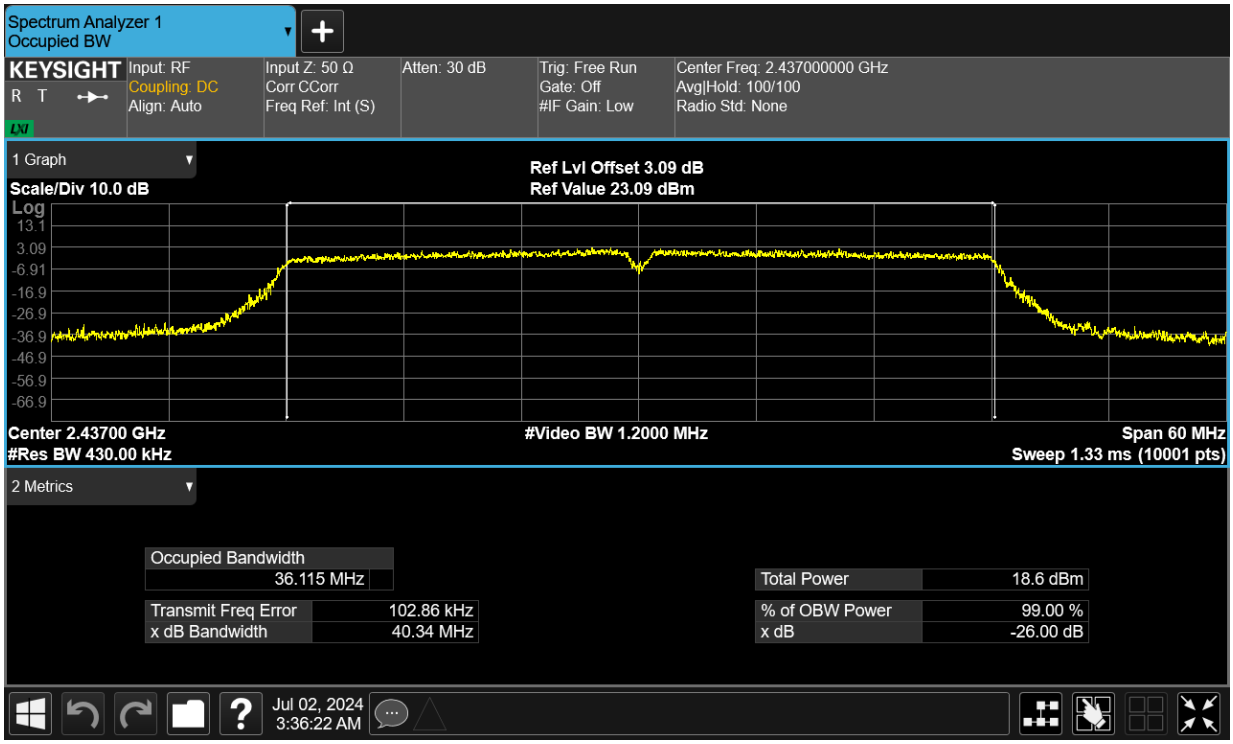
OBW NVNT n20 2462MHz ANT2



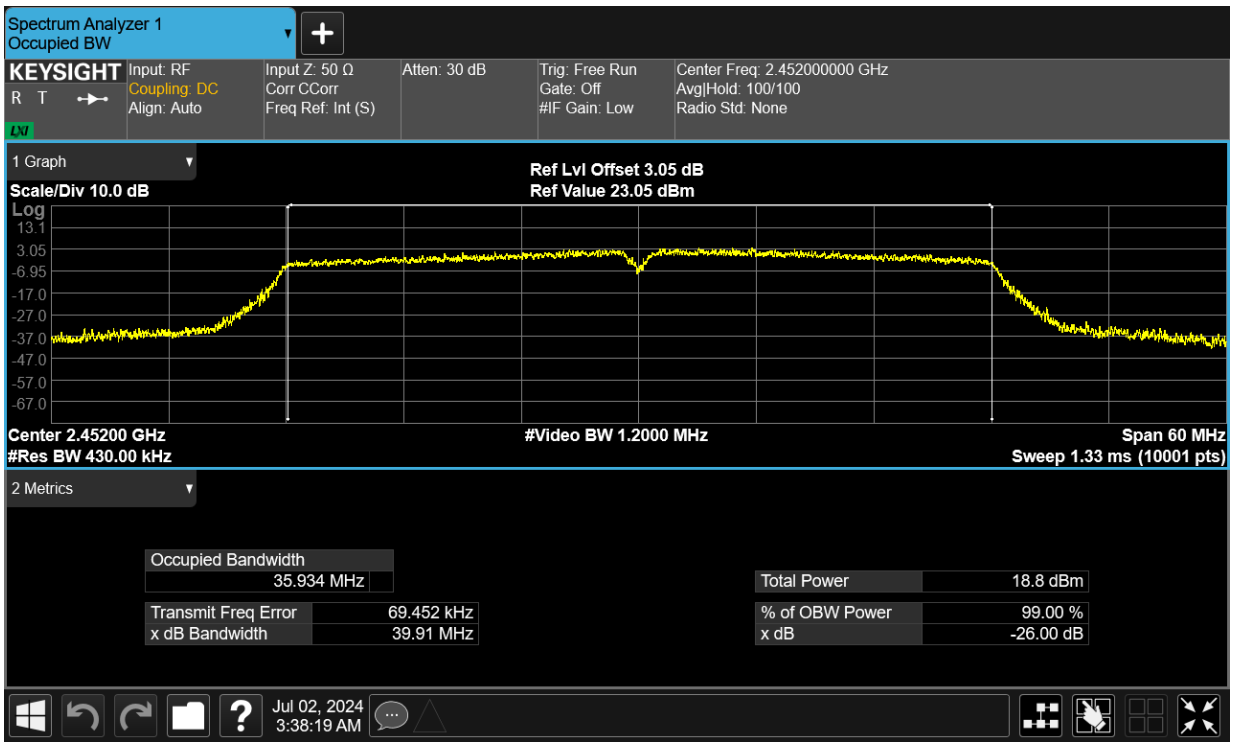
OBW NVNT n40 2422MHz ANT2



OBW NVNT n40 2437MHz ANT2



OBW NVNT n40 2452MHz ANT2

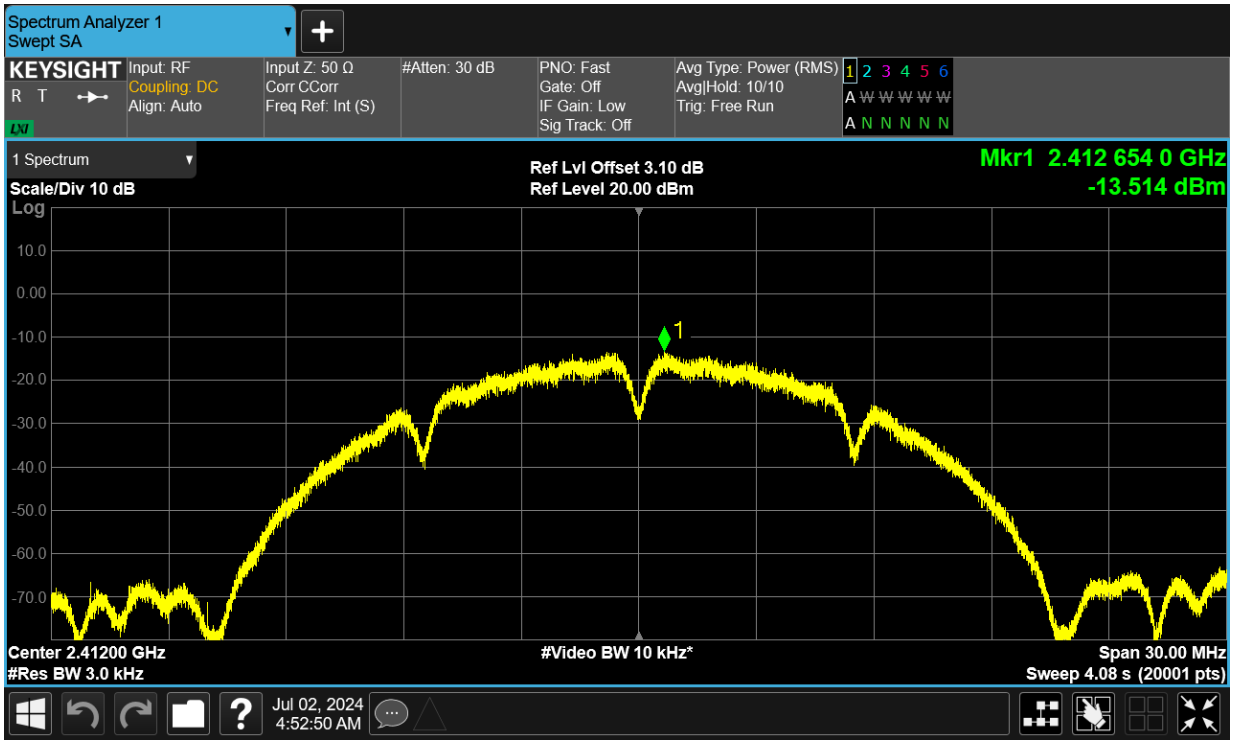


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT2	-13.514	8	Pass
NVNT	b	2437	ANT2	-13.313	8	Pass
NVNT	b	2462	ANT2	-13.043	8	Pass
NVNT	g	2412	ANT2	-17.333	8	Pass
NVNT	g	2437	ANT2	-18.086	8	Pass
NVNT	g	2462	ANT2	-17.873	8	Pass
NVNT	n20	2412	ANT2	-18.41	8	Pass
NVNT	n20	2437	ANT2	-18.196	8	Pass
NVNT	n20	2462	ANT2	-18.389	8	Pass
NVNT	n40	2422	ANT2	-21.375	8	Pass
NVNT	n40	2437	ANT2	-21.876	8	Pass
NVNT	n40	2452	ANT2	-20.548	8	Pass

Test Graphs

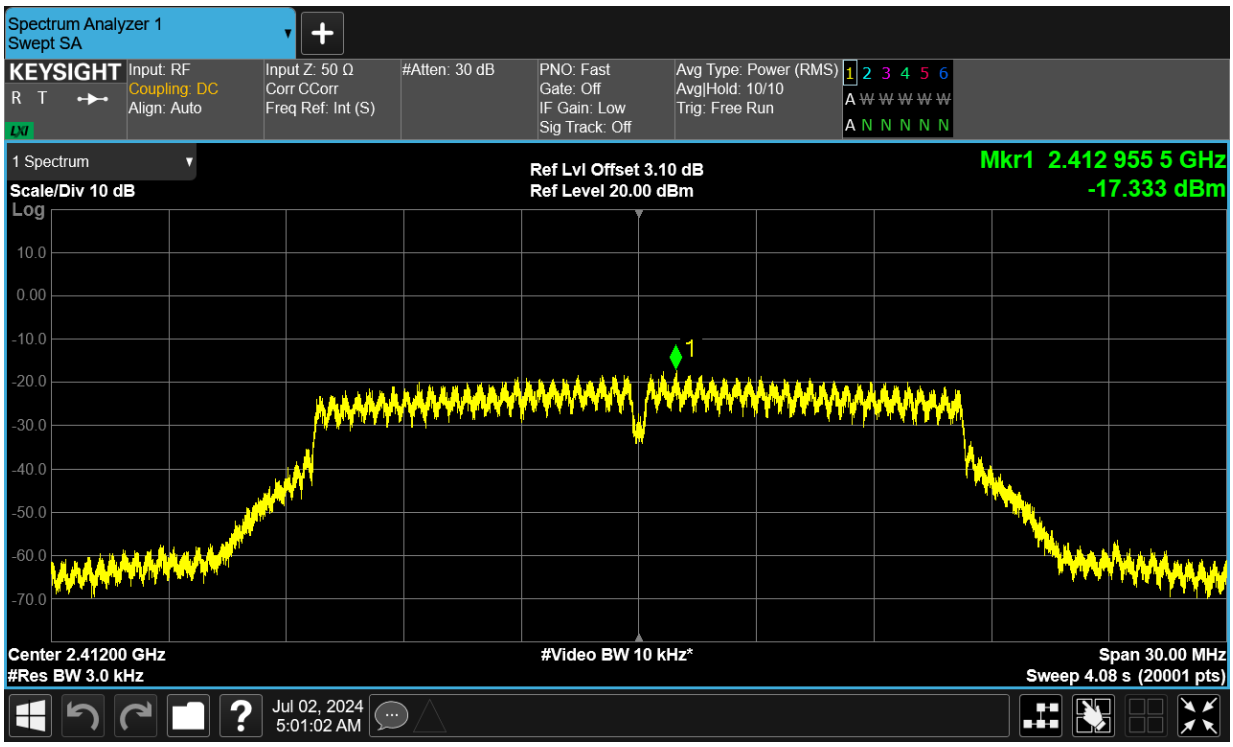
PSD NVNT b 2412MHz ANT2



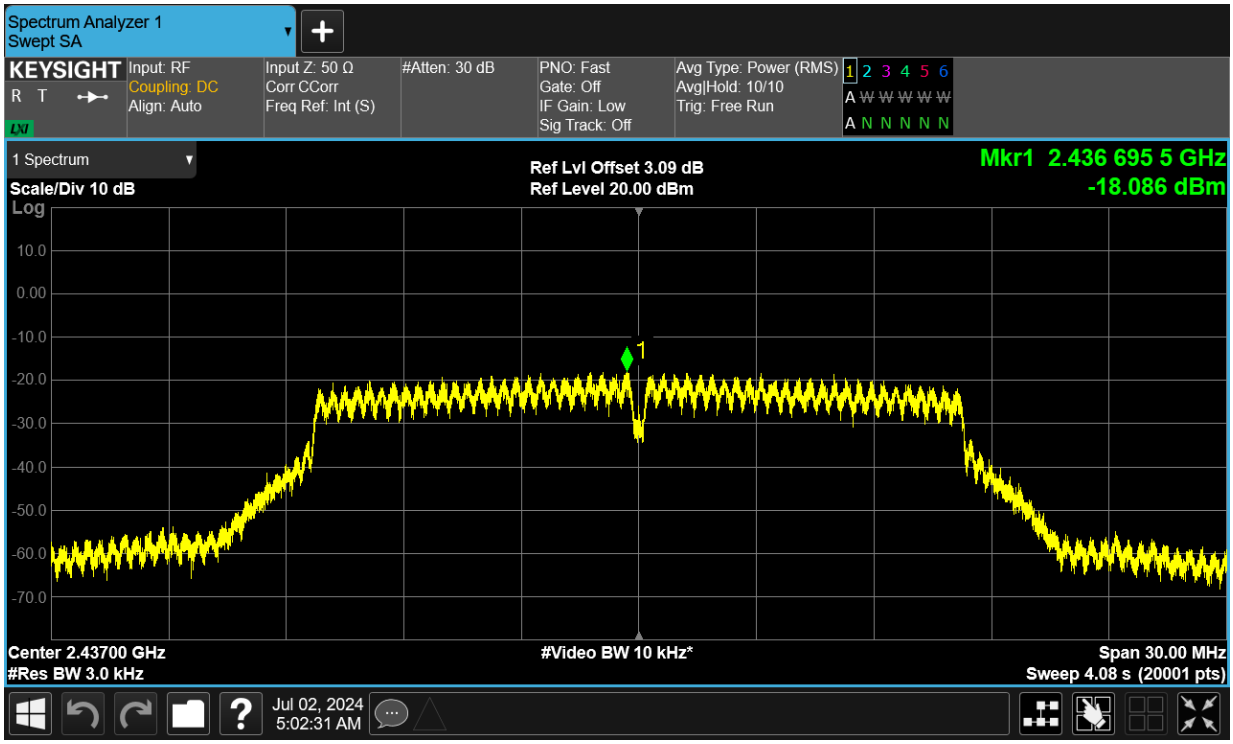
PSD NVNT b 2437MHz ANT2

PSD NVNT b 2462MHz ANT2

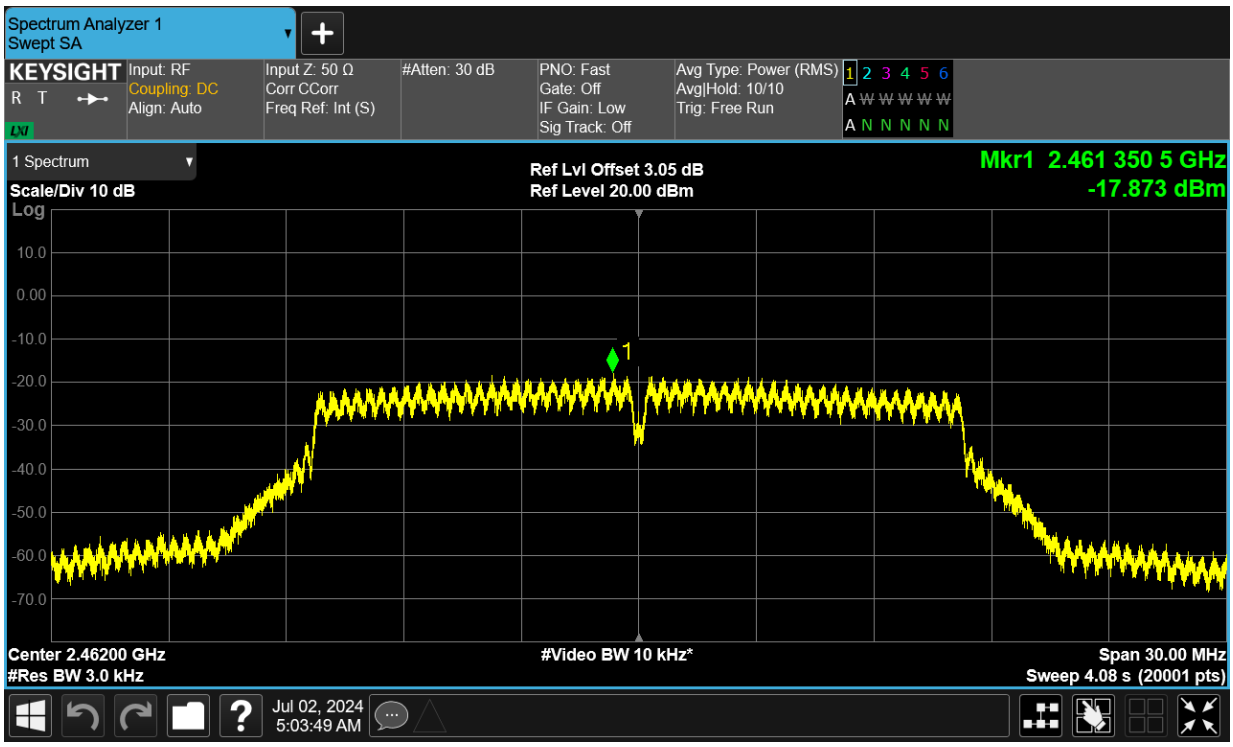
PSD NVNT g 2412MHz ANT2



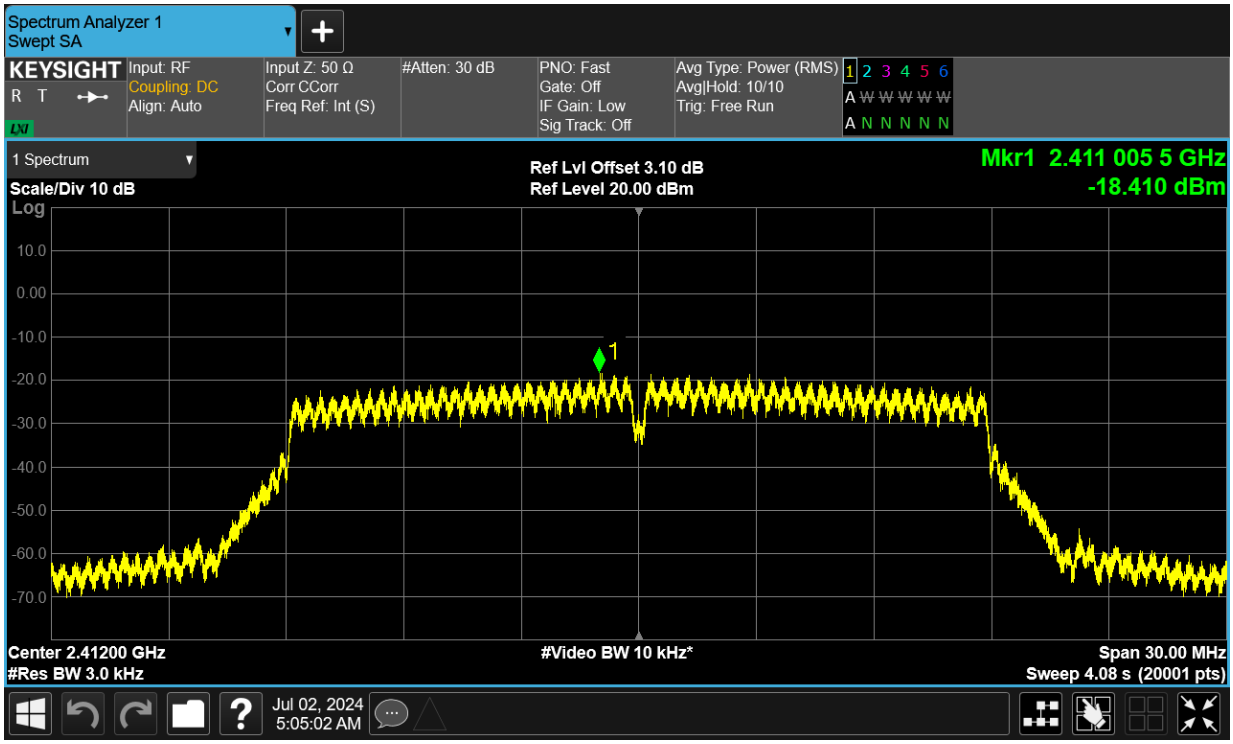
PSD NVNT g 2437MHz ANT2



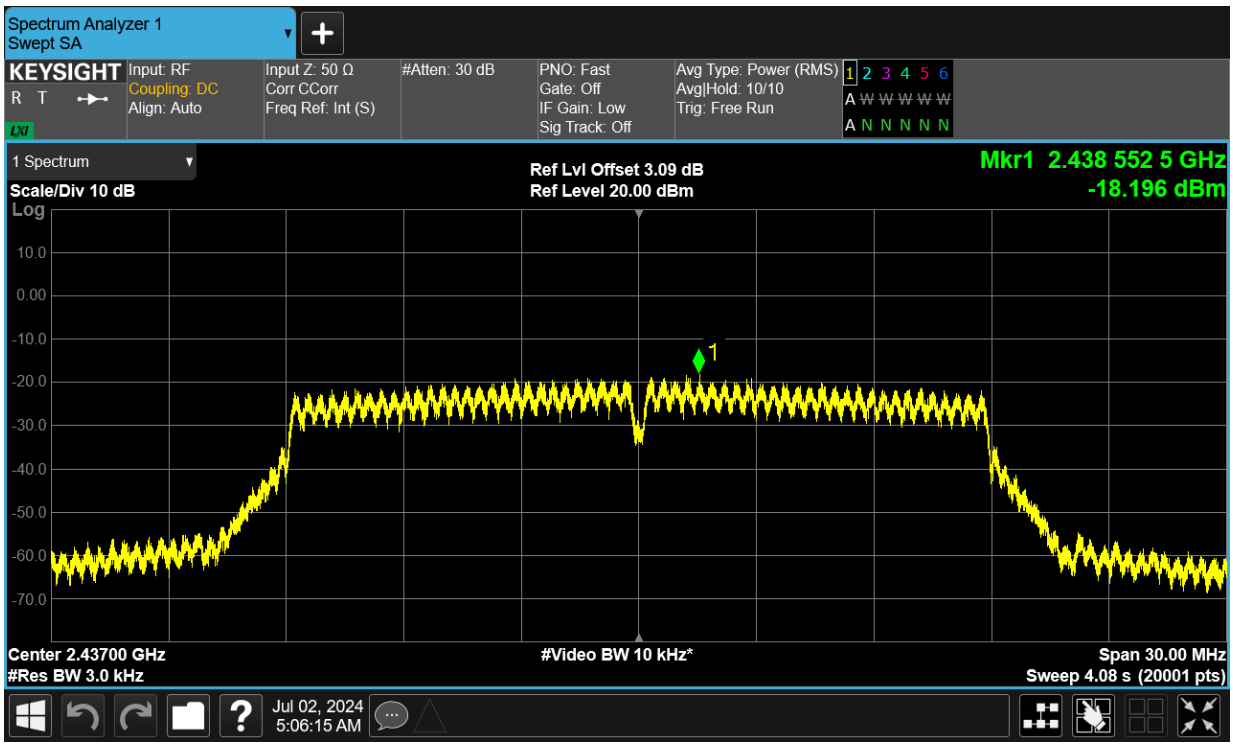
PSD NVNT g 2462MHz ANT2



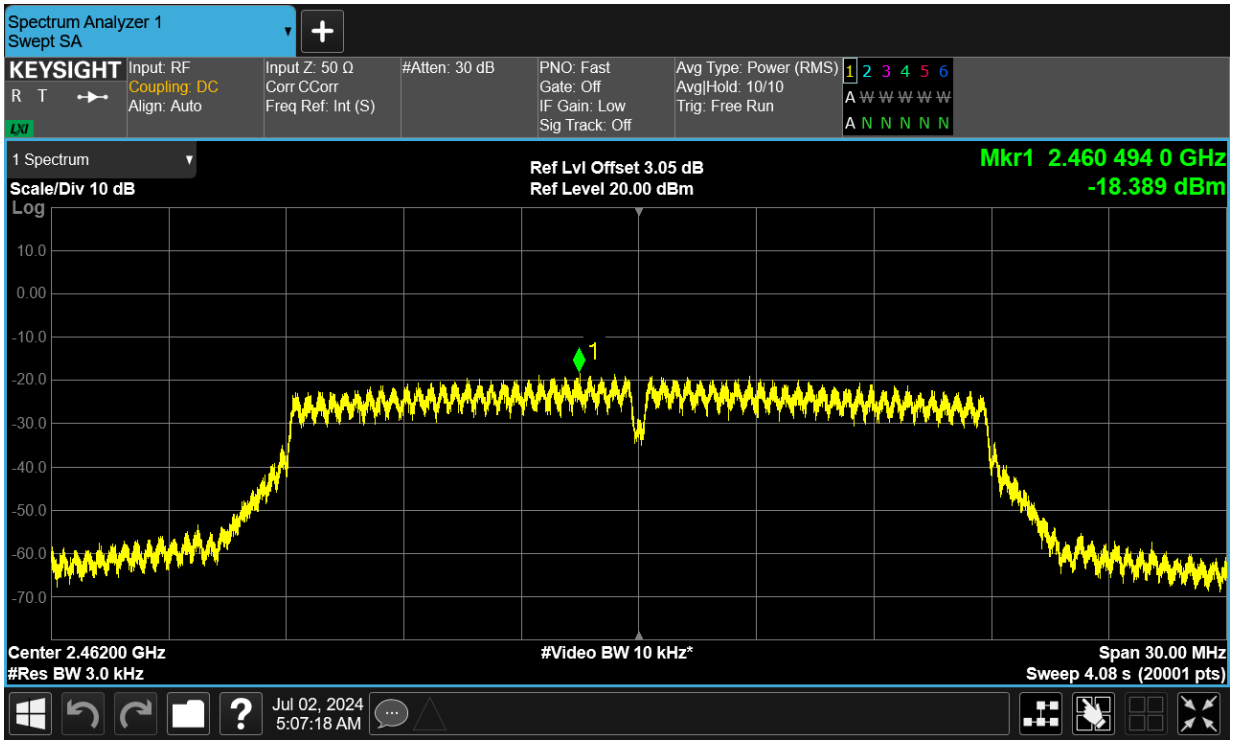
PSD NVNT n20 2412MHz ANT2



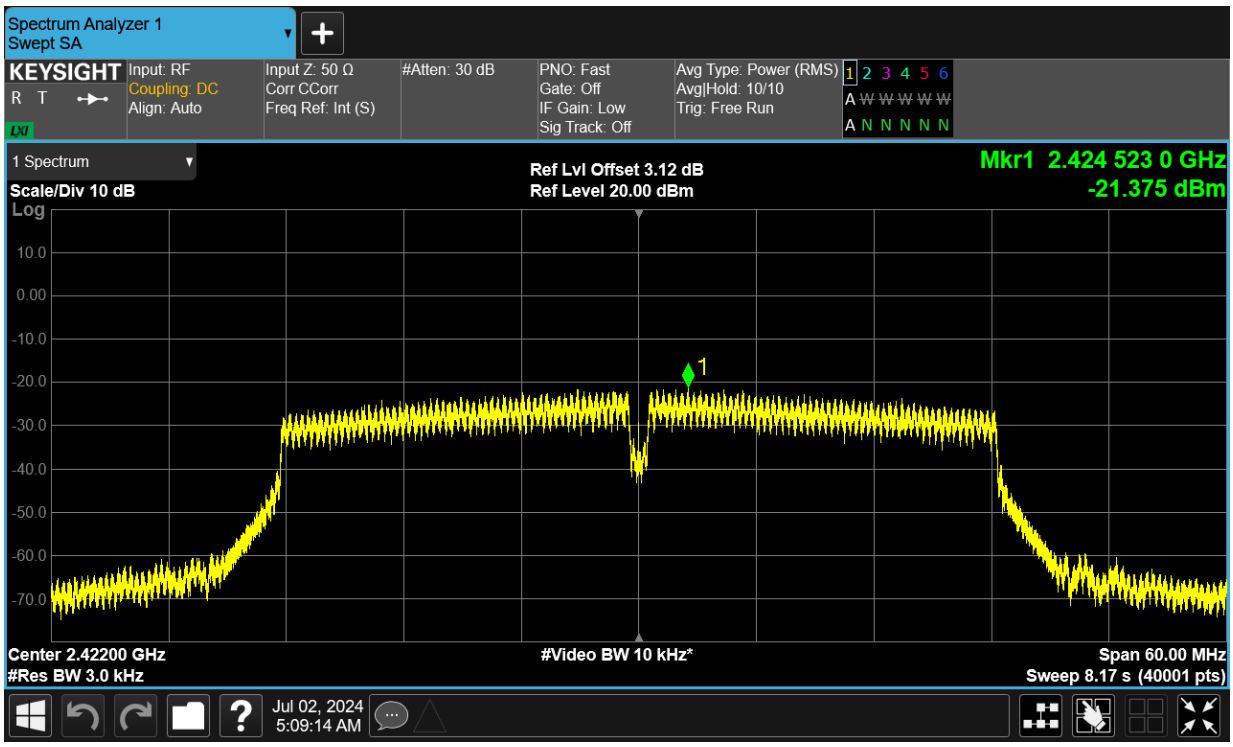
PSD NVNT n20 2437MHz ANT2



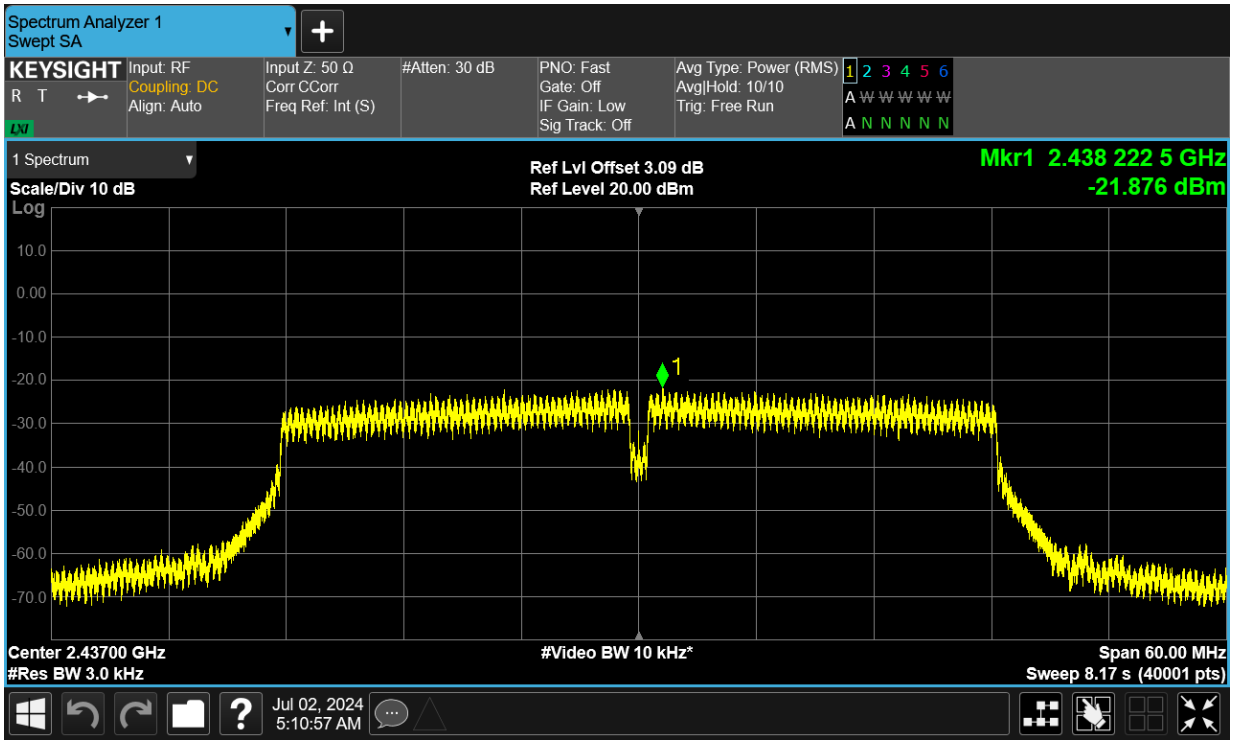
PSD NVNT n20 2462MHz ANT2



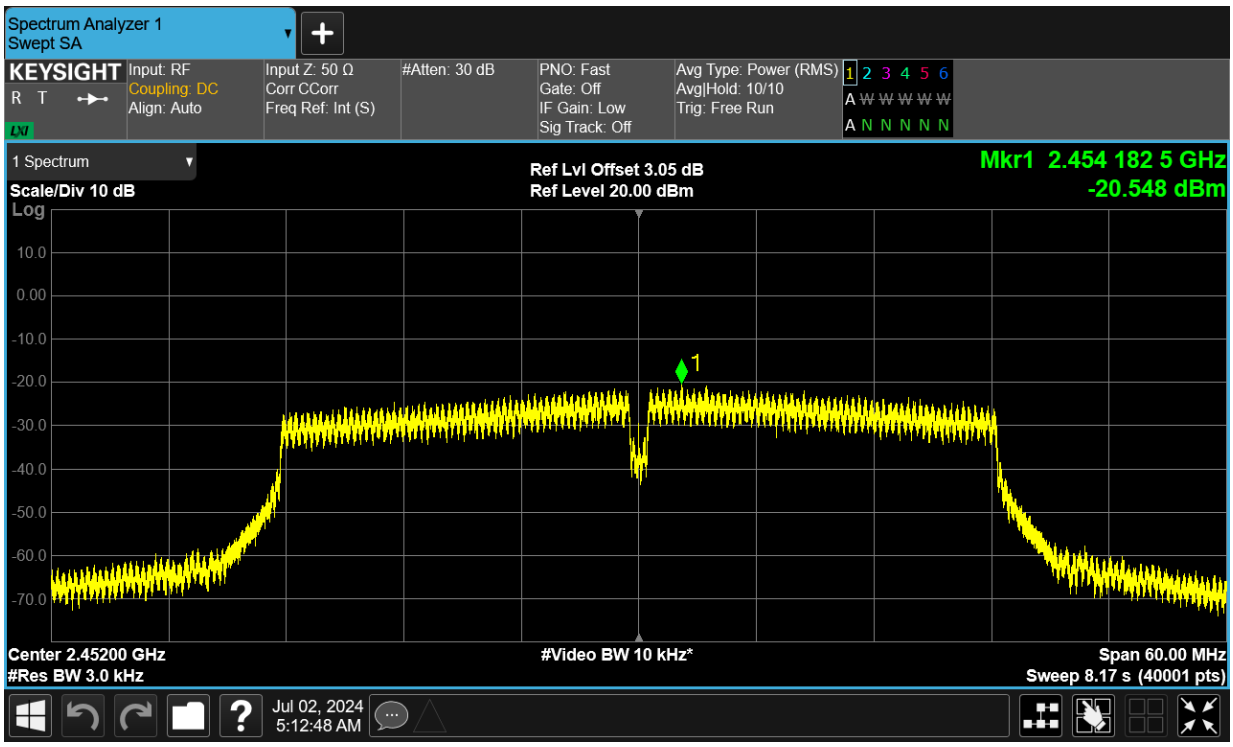
PSD NVNT n40 2422MHz ANT2



PSD NVNT n40 2437MHz ANT2



PSD NVNT n40 2452MHz ANT2

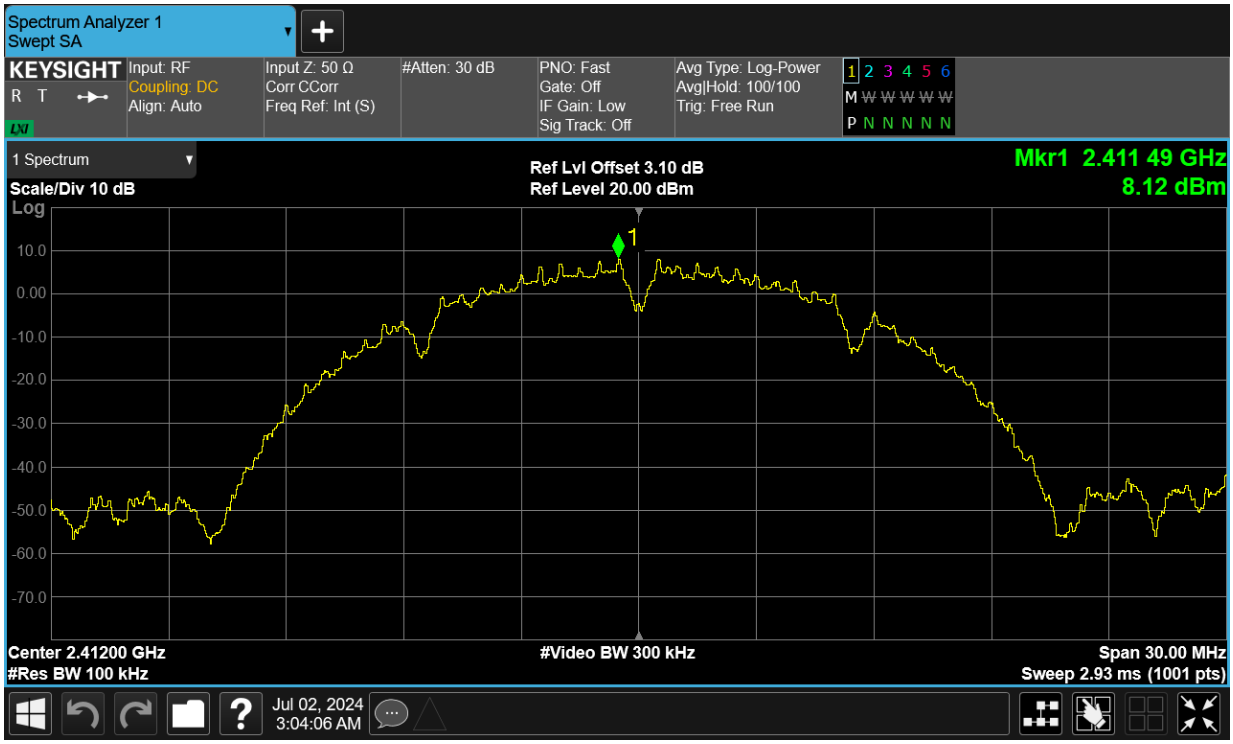


Band Edge

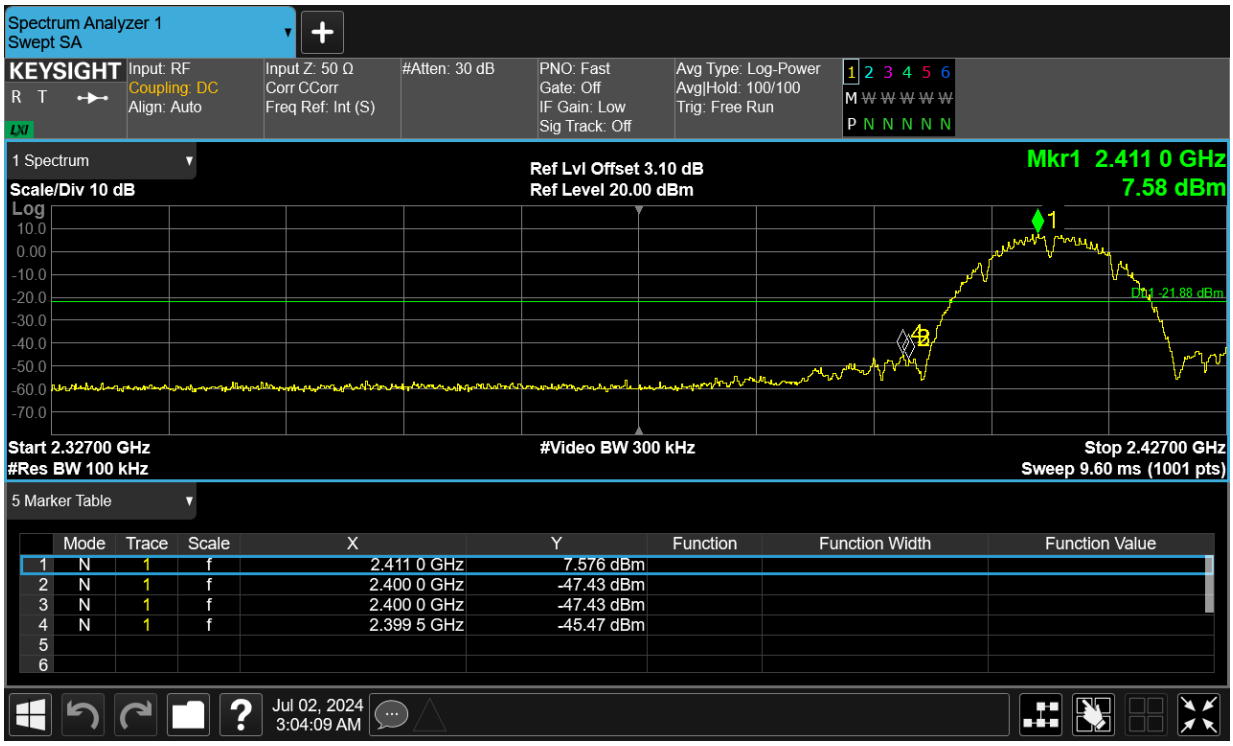
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT2	-53.6	-30	Pass
NVNT	b	2462	ANT2	-60.38	-30	Pass
NVNT	g	2412	ANT2	-35.82	-30	Pass
NVNT	g	2462	ANT2	-50.27	-30	Pass
NVNT	n20	2412	ANT2	-35.25	-30	Pass
NVNT	n20	2462	ANT2	-48.31	-30	Pass
NVNT	n40	2422	ANT2	-34.85	-30	Pass
NVNT	n40	2452	ANT2	-42.63	-30	Pass

Test Graphs

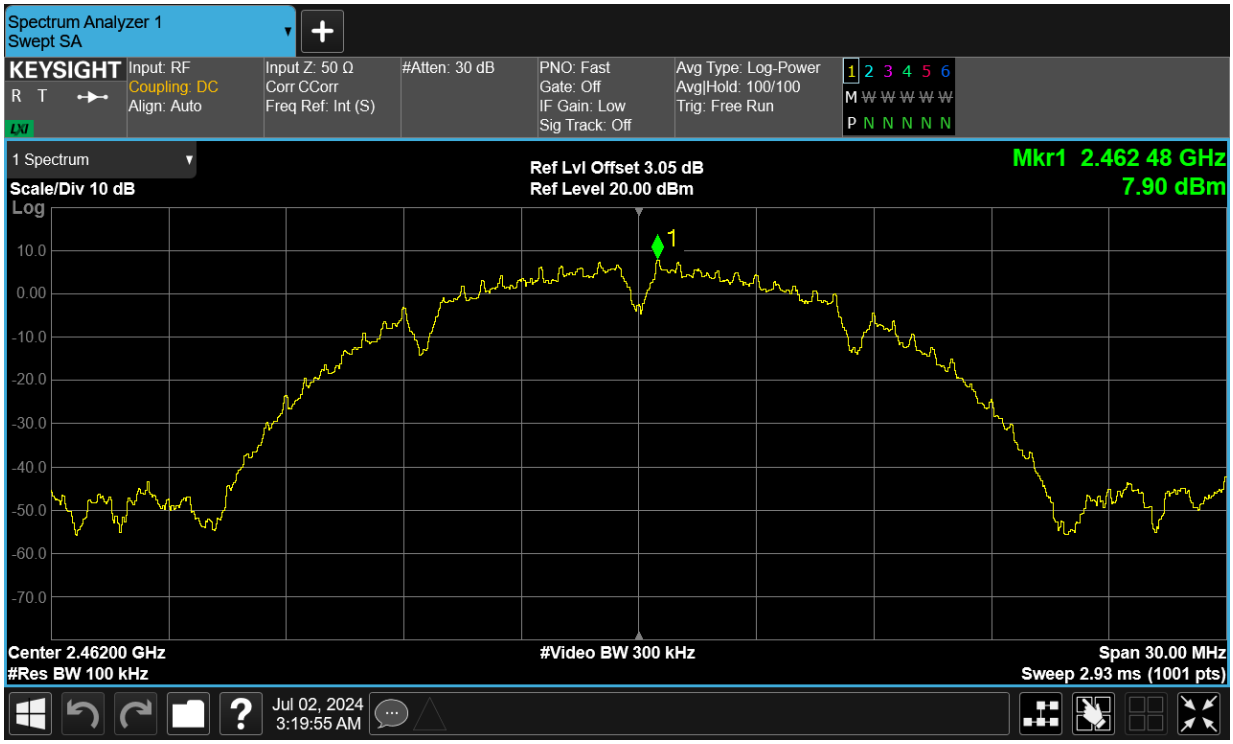
Band Edge NVNT b 2412MHz ANT2 Ref



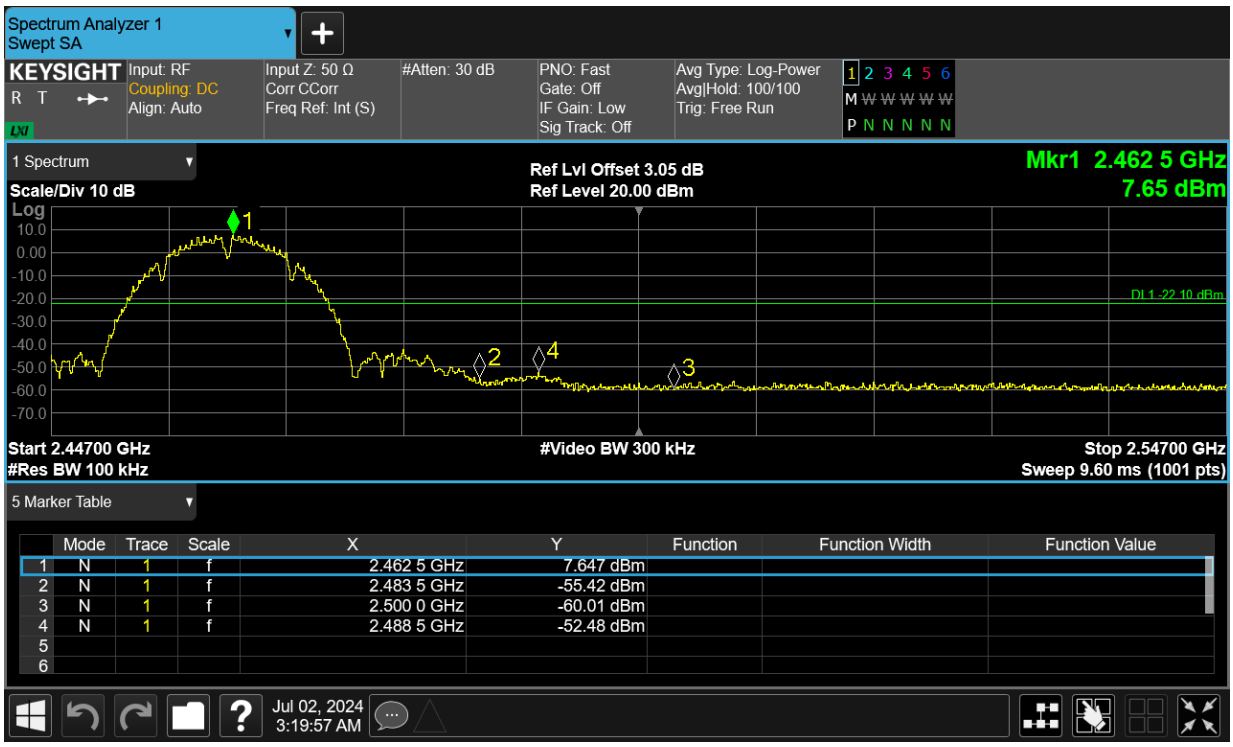
Band Edge NVNT b 2412MHz ANT2 Emission



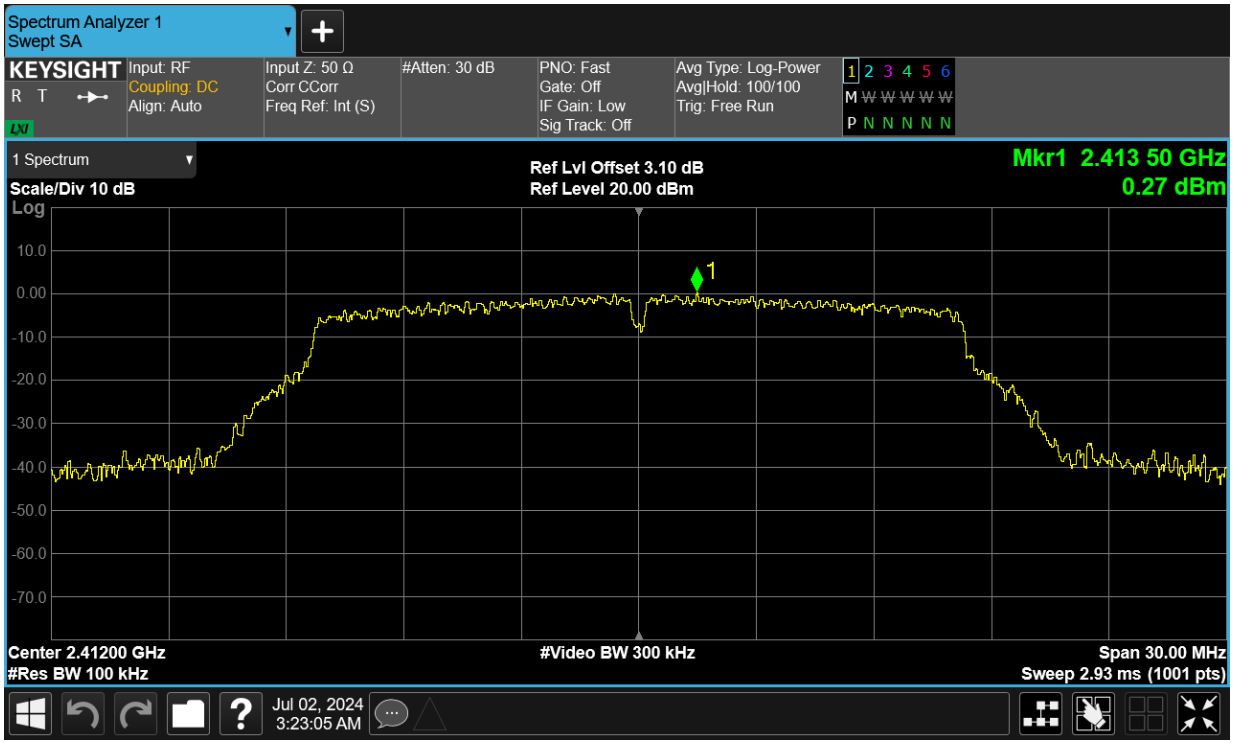
Band Edge NVNT b 2462MHz ANT2 Ref



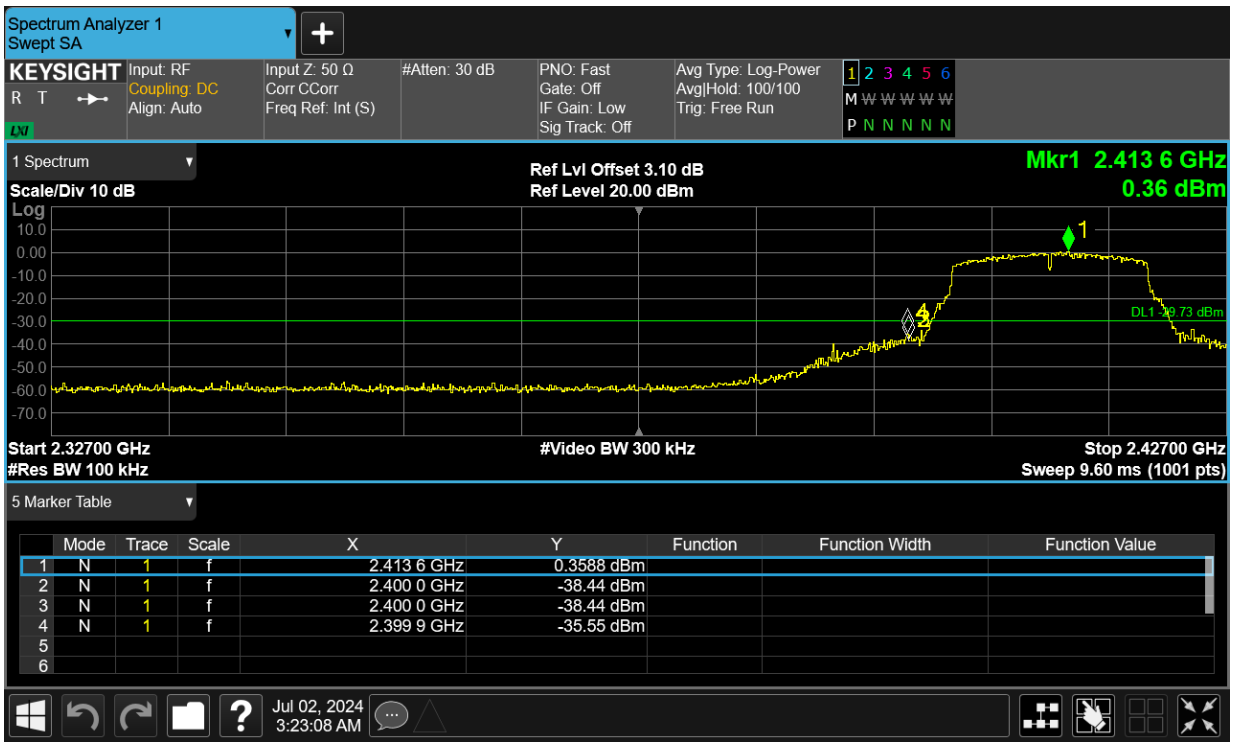
Band Edge NVNT b 2462MHz ANT2 Emission



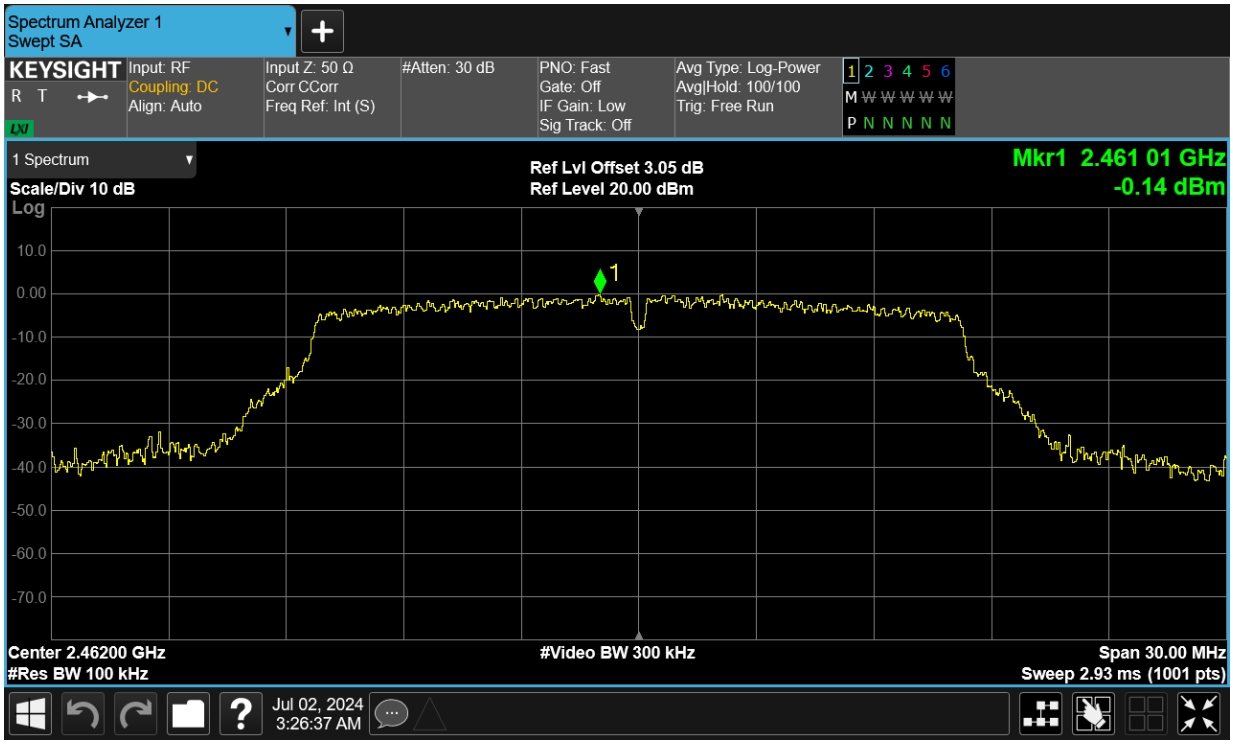
Band Edge NVNT g 2412MHz ANT2 Ref



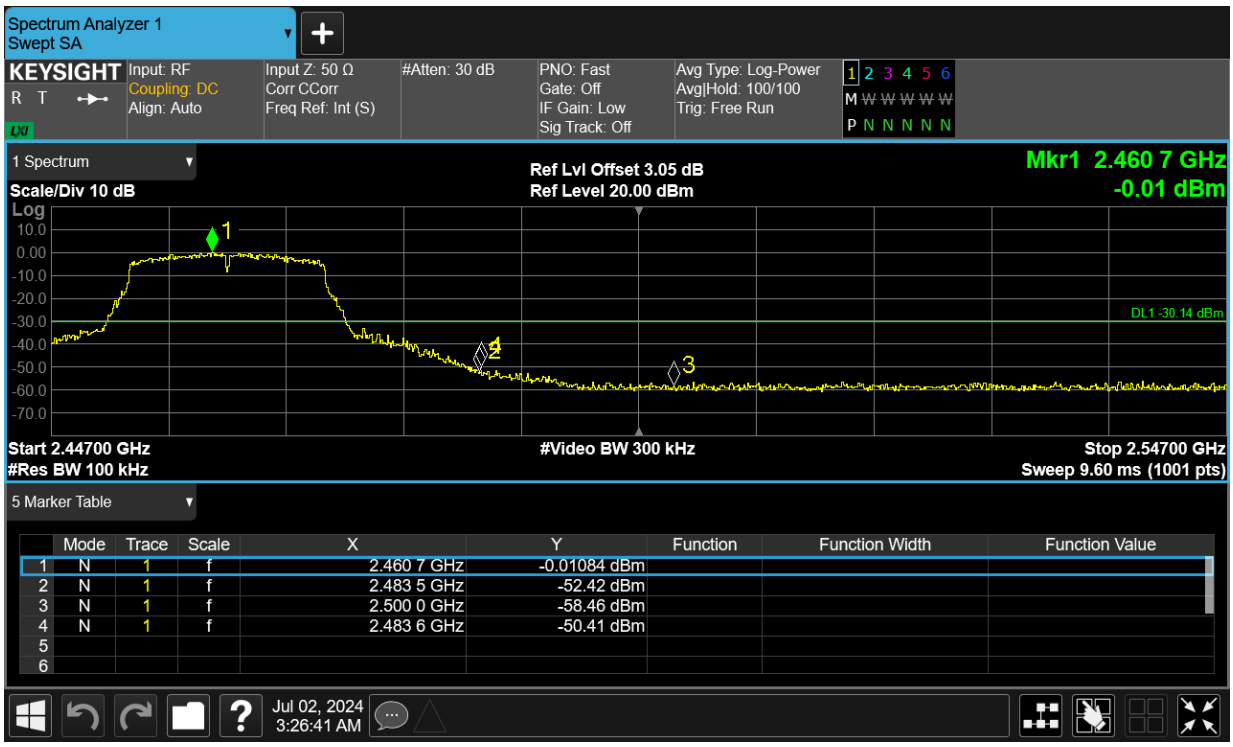
Band Edge NVNT g 2412MHz ANT2 Emission



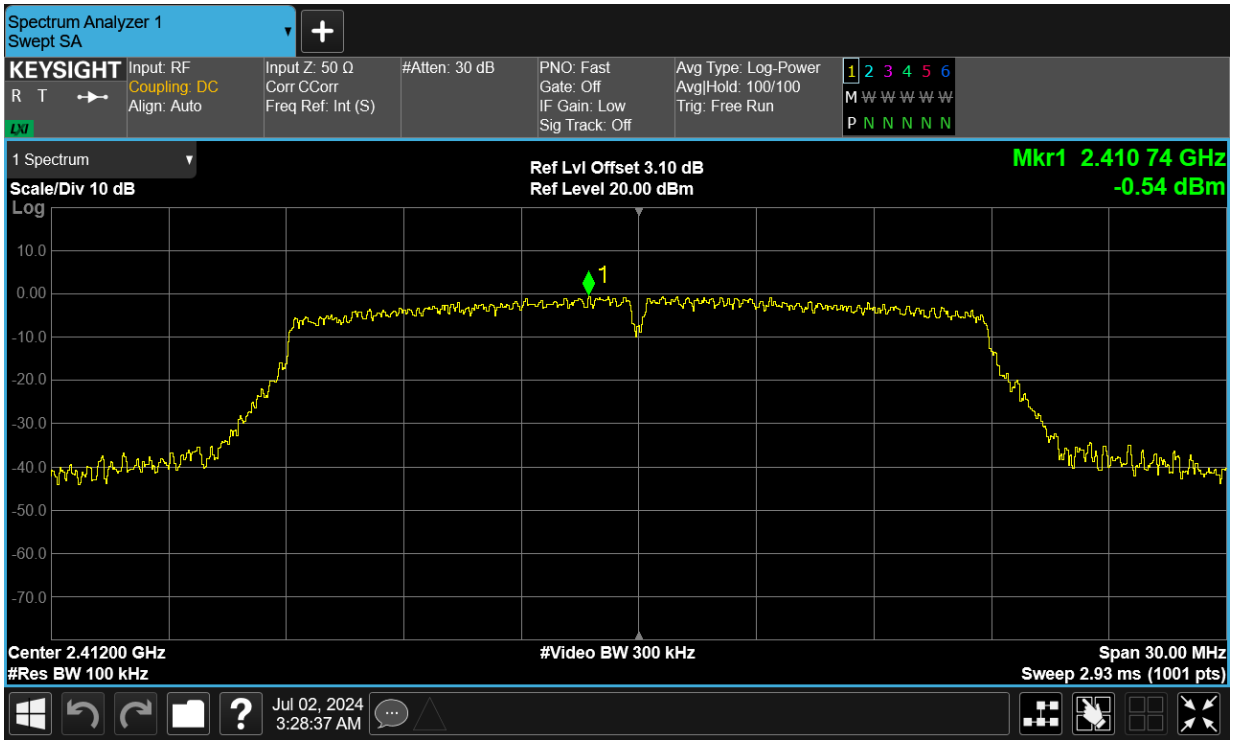
Band Edge NVNT g 2462MHz ANT2 Ref



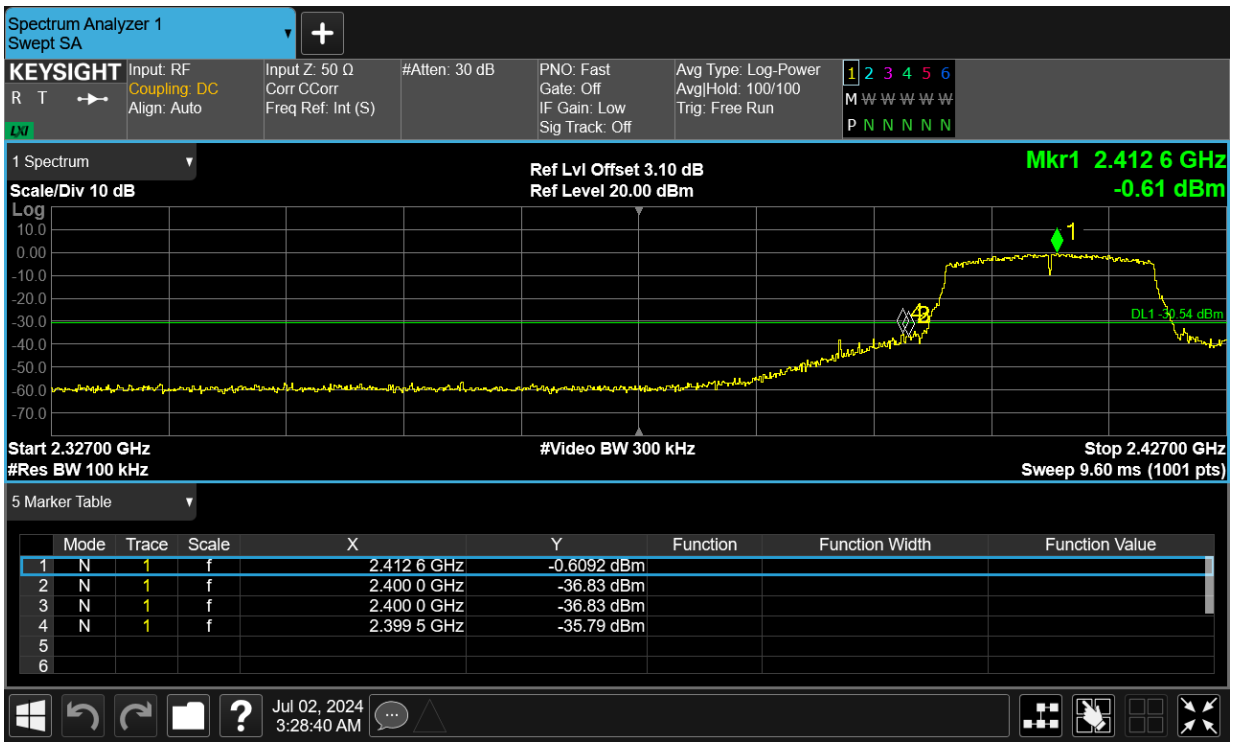
Band Edge NVNT g 2462MHz ANT2 Emission



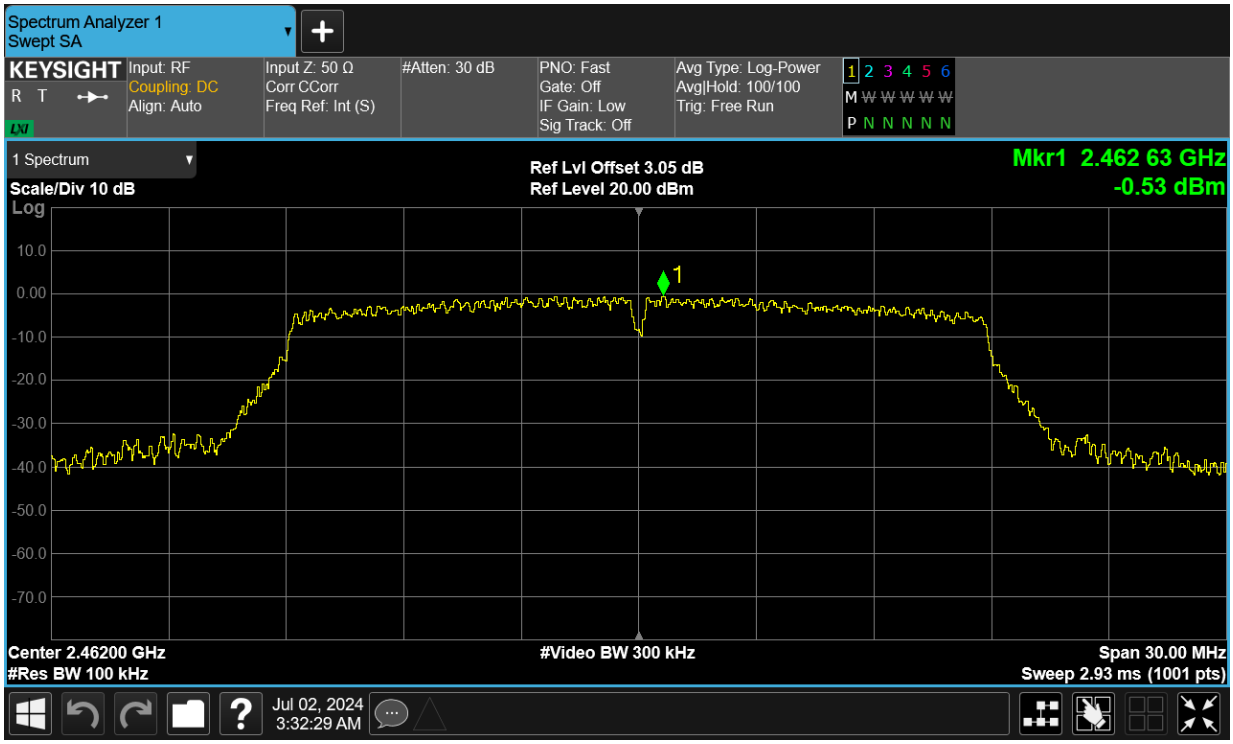
Band Edge NVNT n20 2412MHz ANT2 Ref



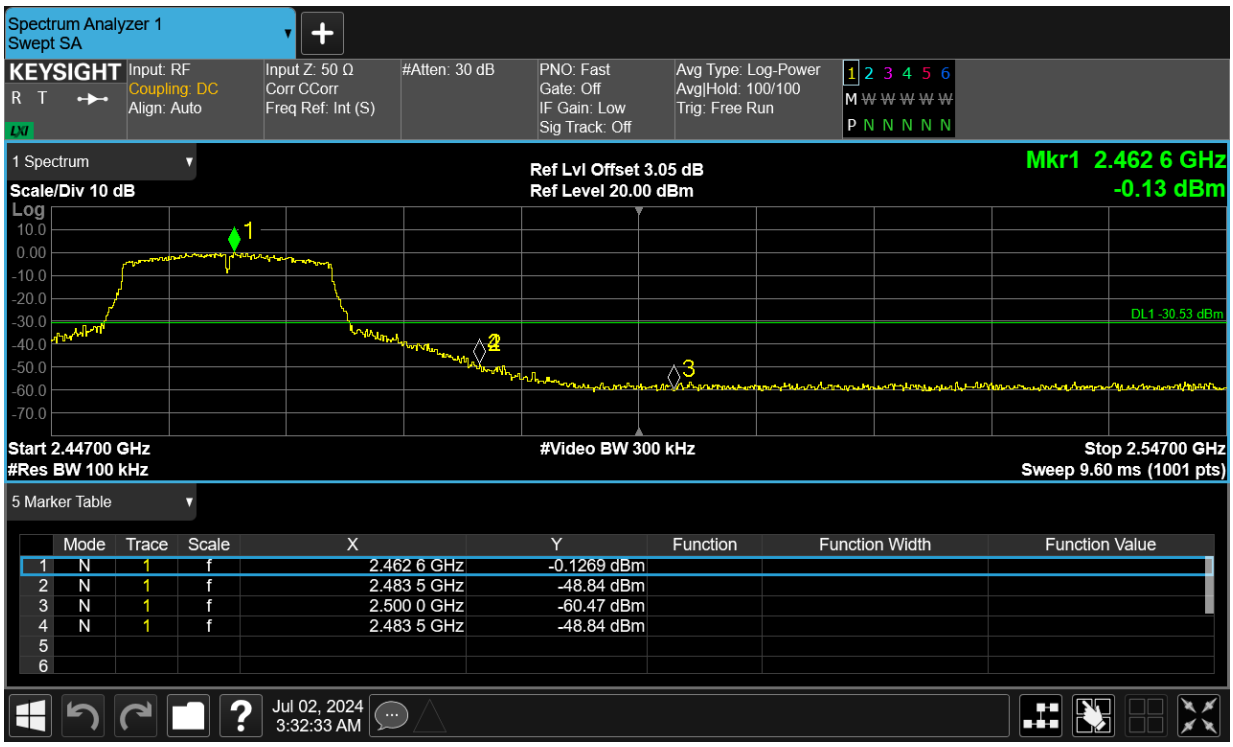
Band Edge NVNT n20 2412MHz ANT2 Emission



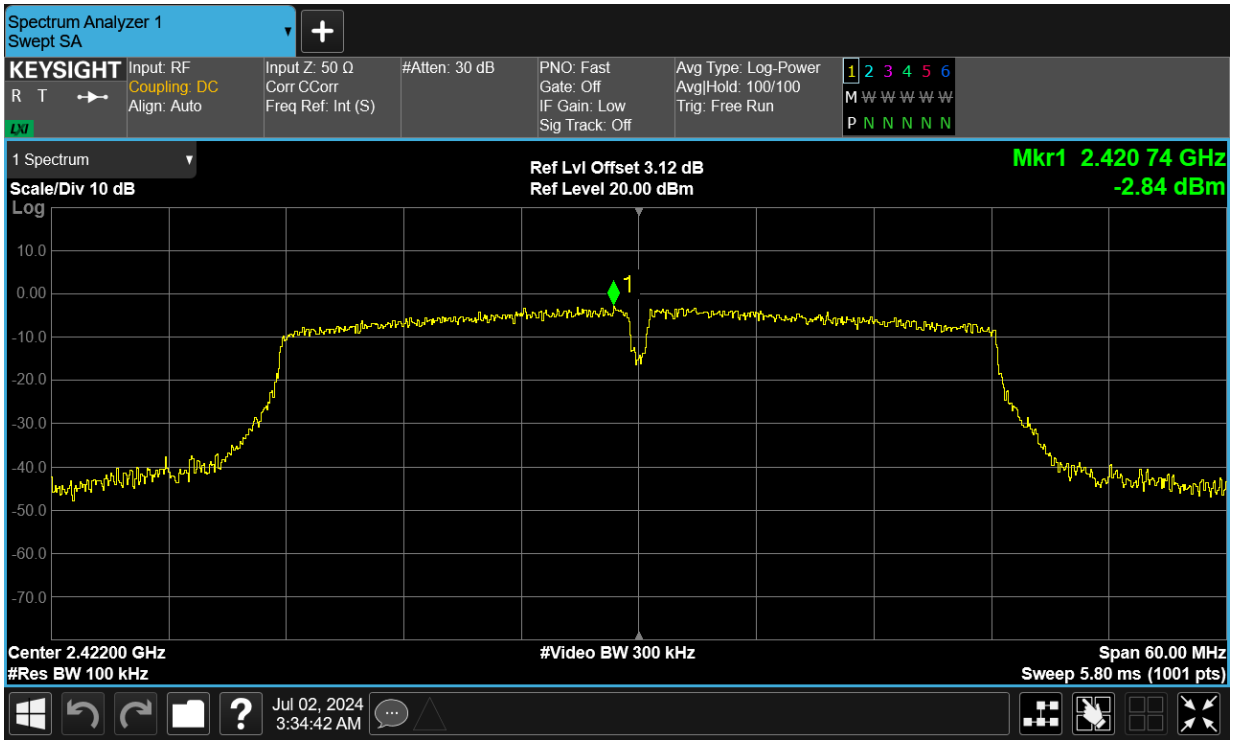
Band Edge NVNT n20 2462MHz ANT2 Ref



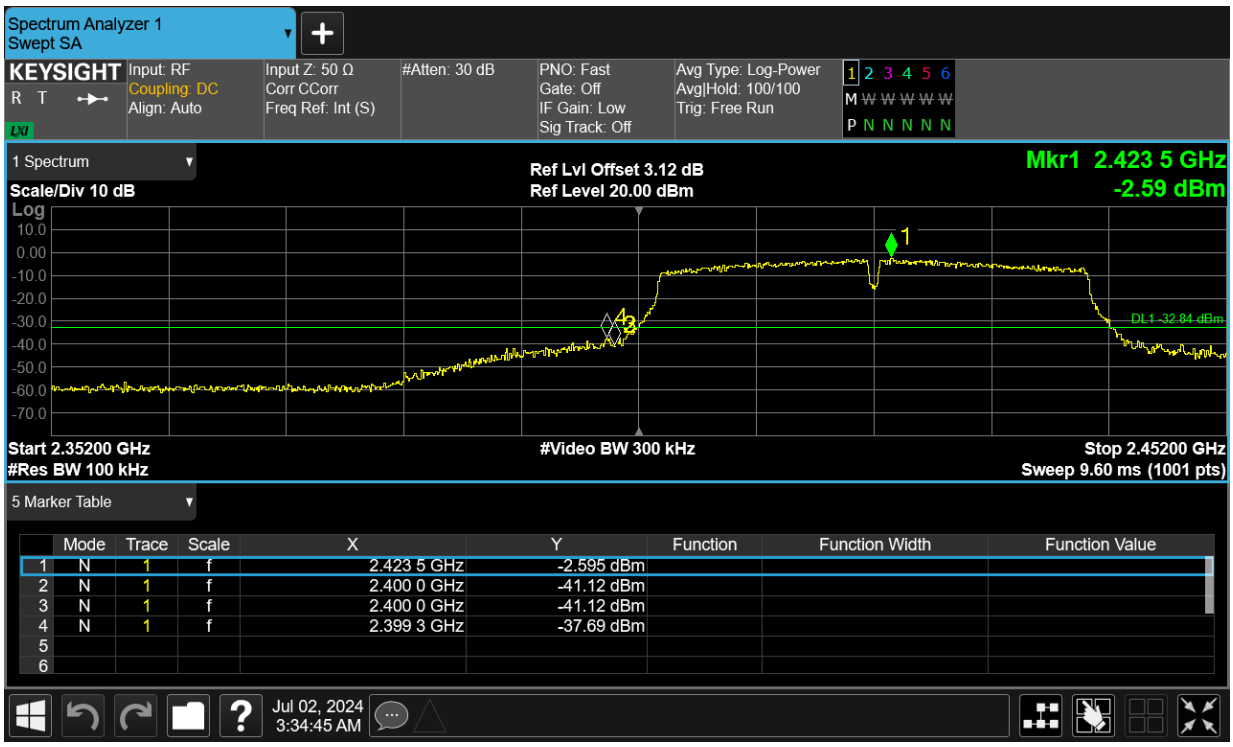
Band Edge NVNT n20 2462MHz ANT2 Emission



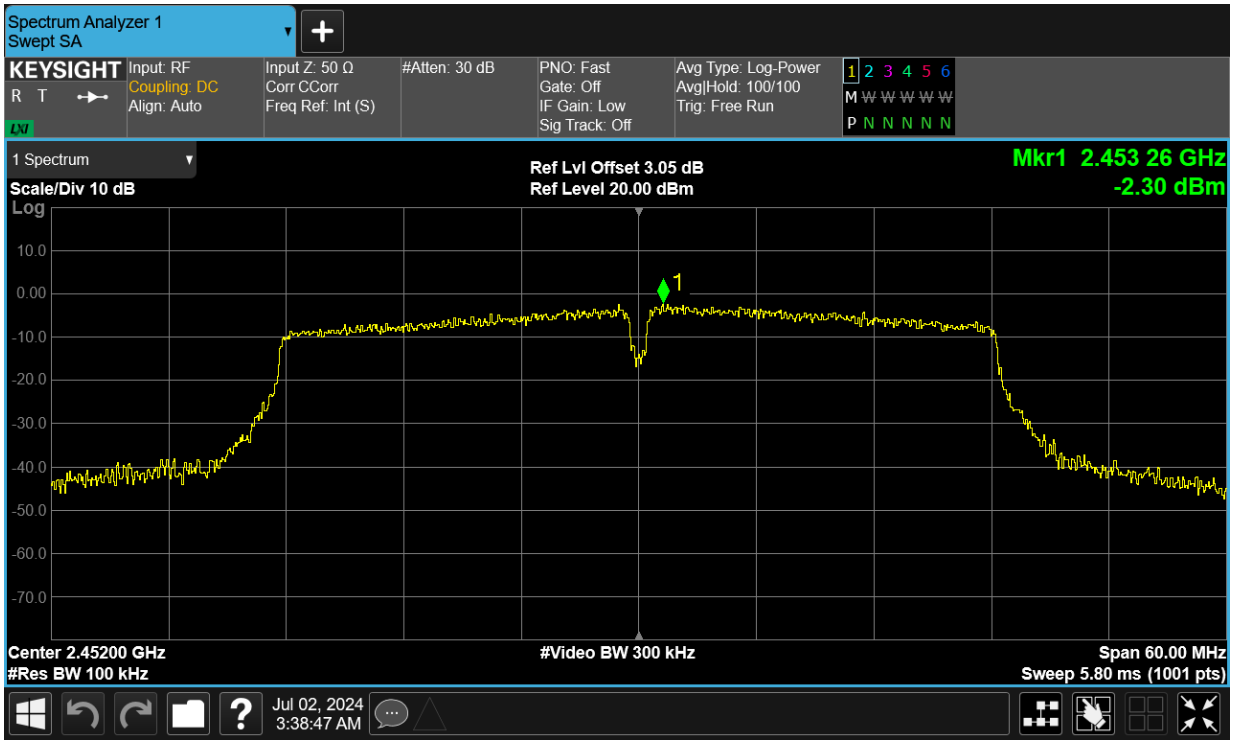
Band Edge NVNT n40 2422MHz ANT2 Ref



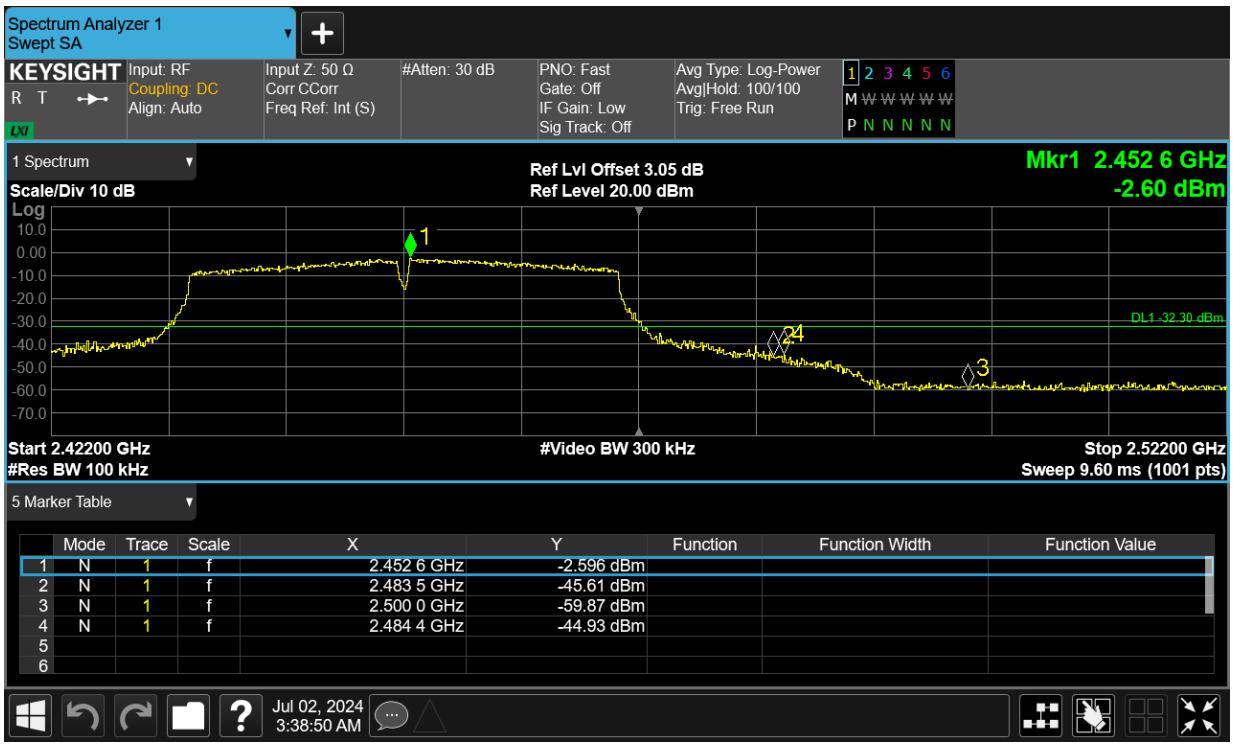
Band Edge NVNT n40 2422MHz ANT2 Emission



Band Edge NVNT n40 2452MHz ANT2 Ref



Band Edge NVNT n40 2452MHz ANT2 Emission

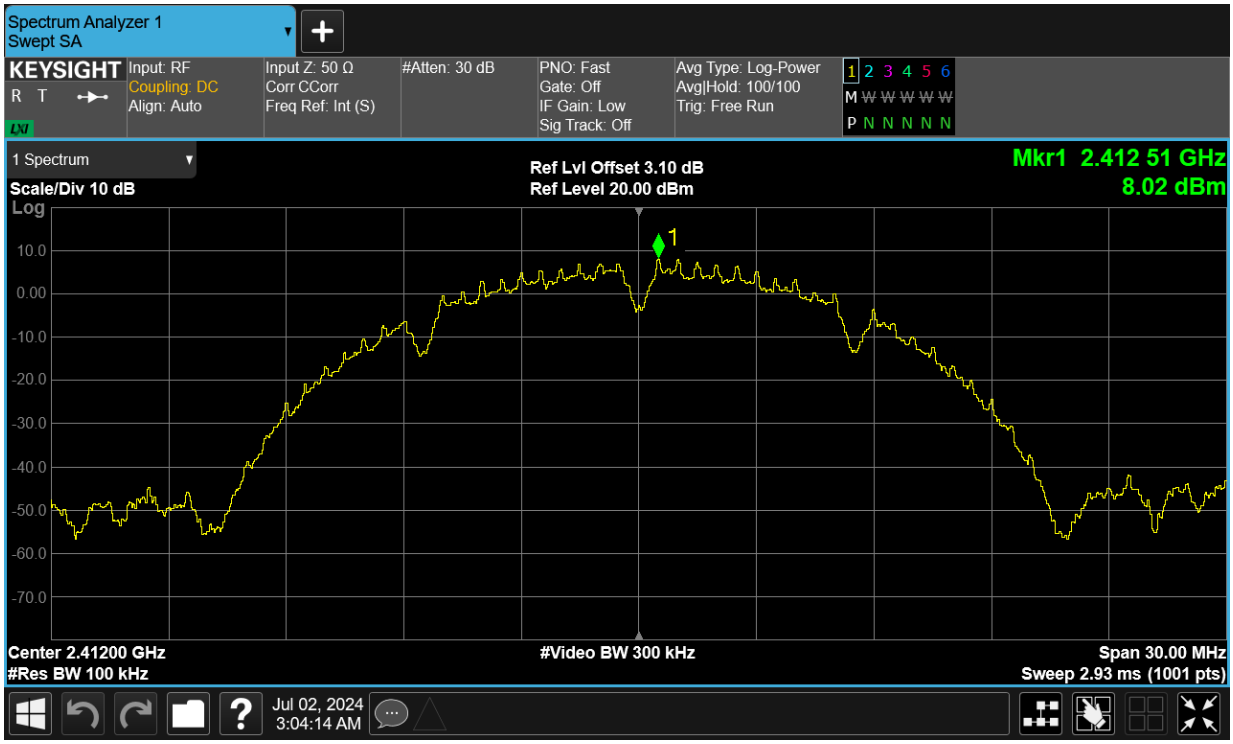


Conducted RF Spurious Emission

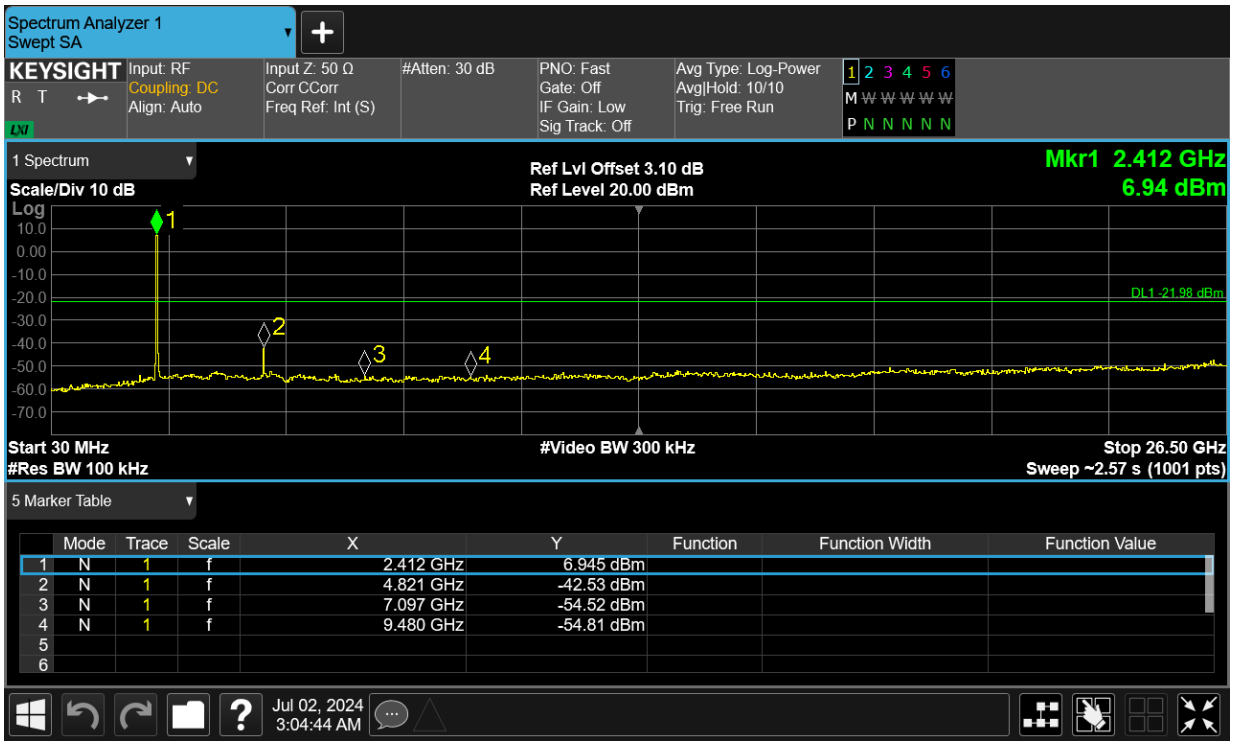
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT2	-50.55	-30	Pass
NVNT	b	2437	ANT2	-48.6	-30	Pass
NVNT	b	2462	ANT2	-49.55	-30	Pass
NVNT	g	2412	ANT2	-47.86	-30	Pass
NVNT	g	2437	ANT2	-48.45	-30	Pass
NVNT	g	2462	ANT2	-48.28	-30	Pass
NVNT	n20	2412	ANT2	-47.95	-30	Pass
NVNT	n20	2437	ANT2	-47.37	-30	Pass
NVNT	n20	2462	ANT2	-48.04	-30	Pass
NVNT	n40	2422	ANT2	-44.7	-30	Pass
NVNT	n40	2437	ANT2	-43.41	-30	Pass
NVNT	n40	2452	ANT2	-45.24	-30	Pass

Test Graphs

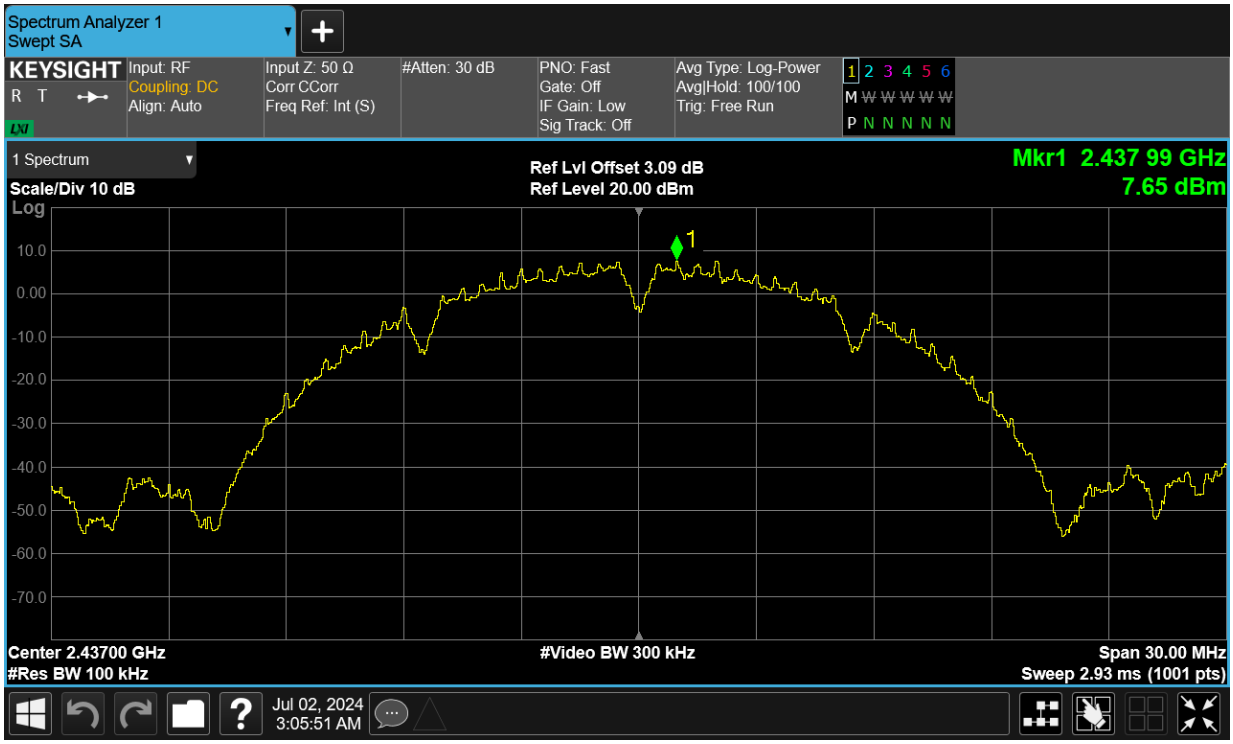
Tx. Spurious NVNT b 2412MHz ANT2 Ref



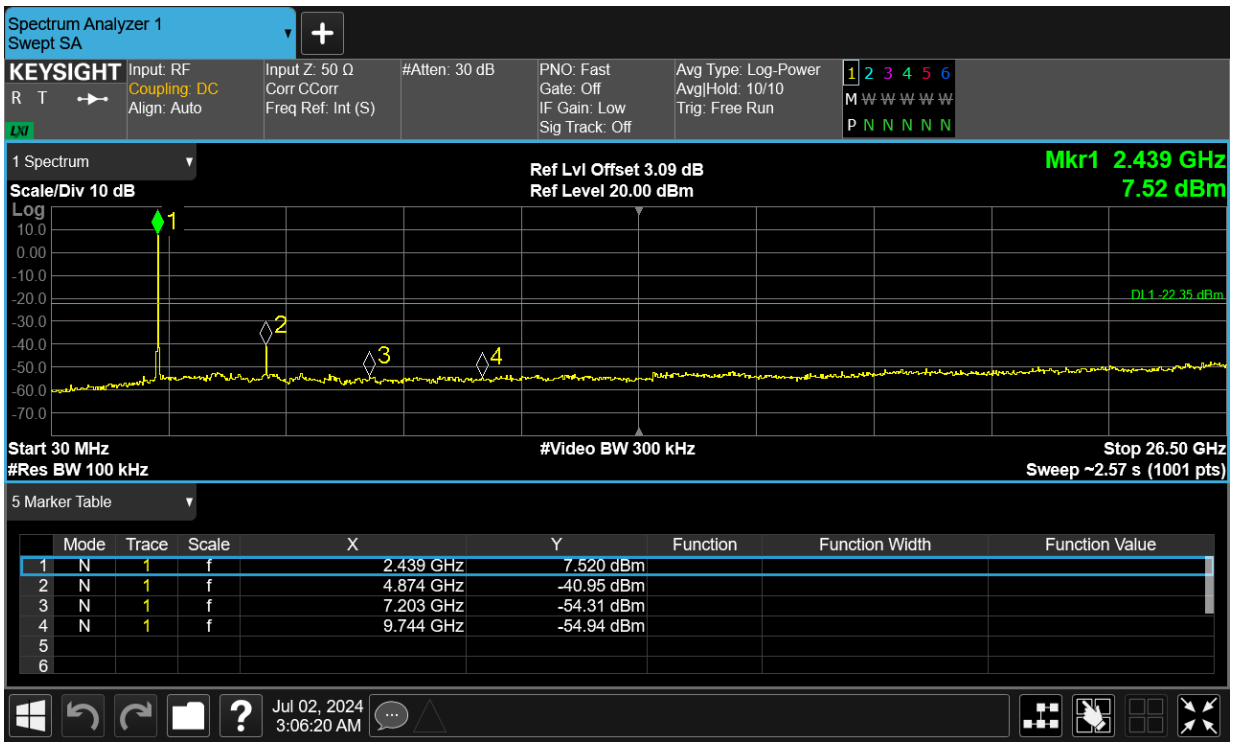
Tx. Spurious NVNT b 2412MHz ANT2 Emission



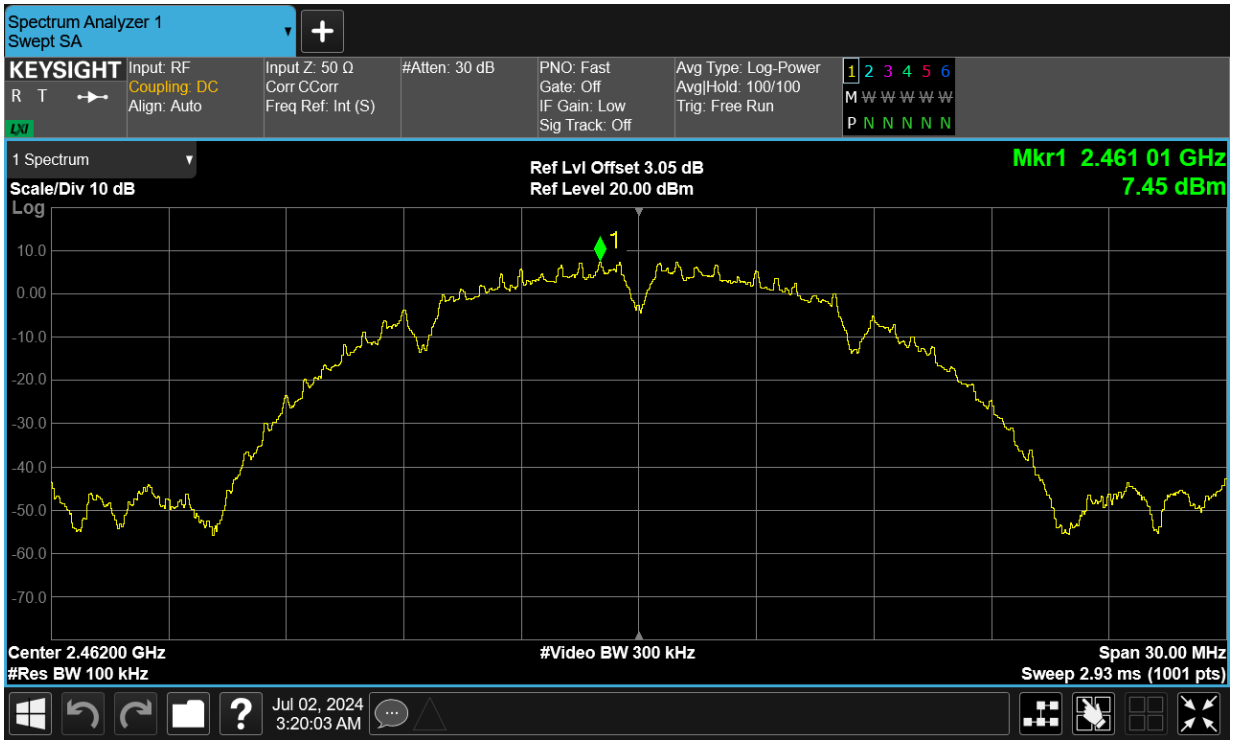
Tx. Spurious NVNT b 2437MHz ANT2 Ref



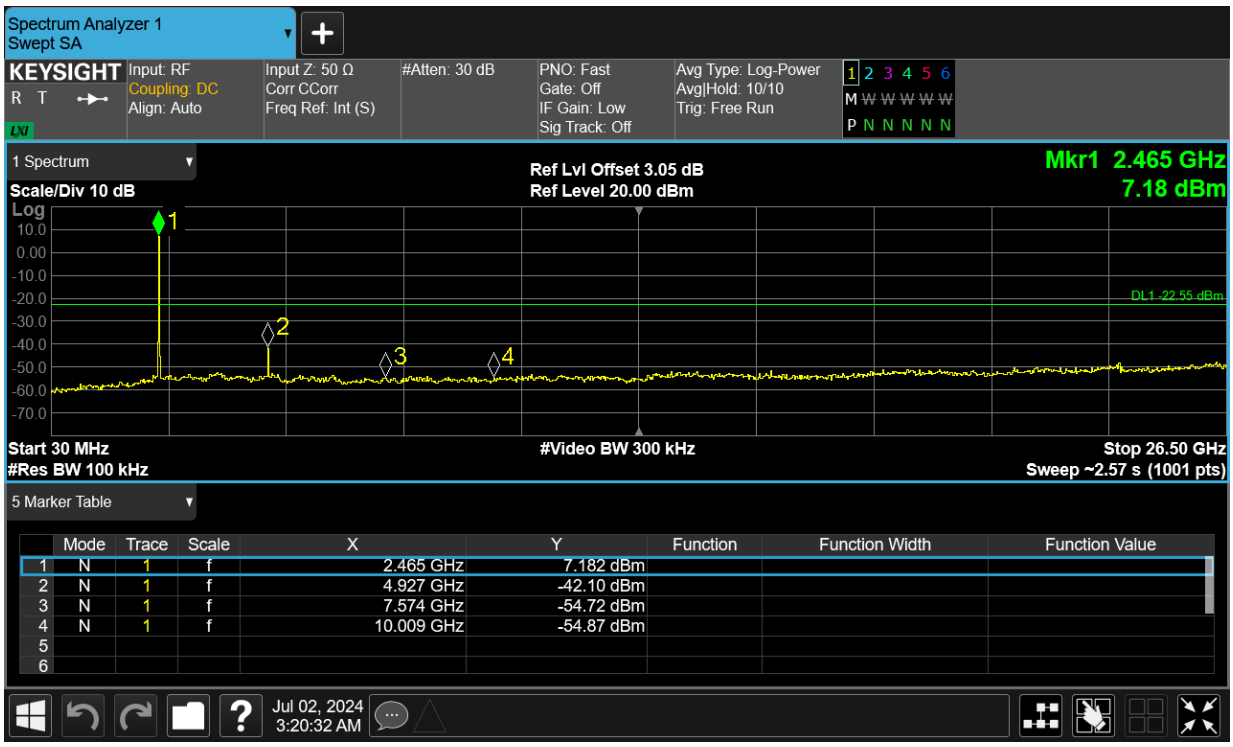
Tx. Spurious NVNT b 2437MHz ANT2 Emission



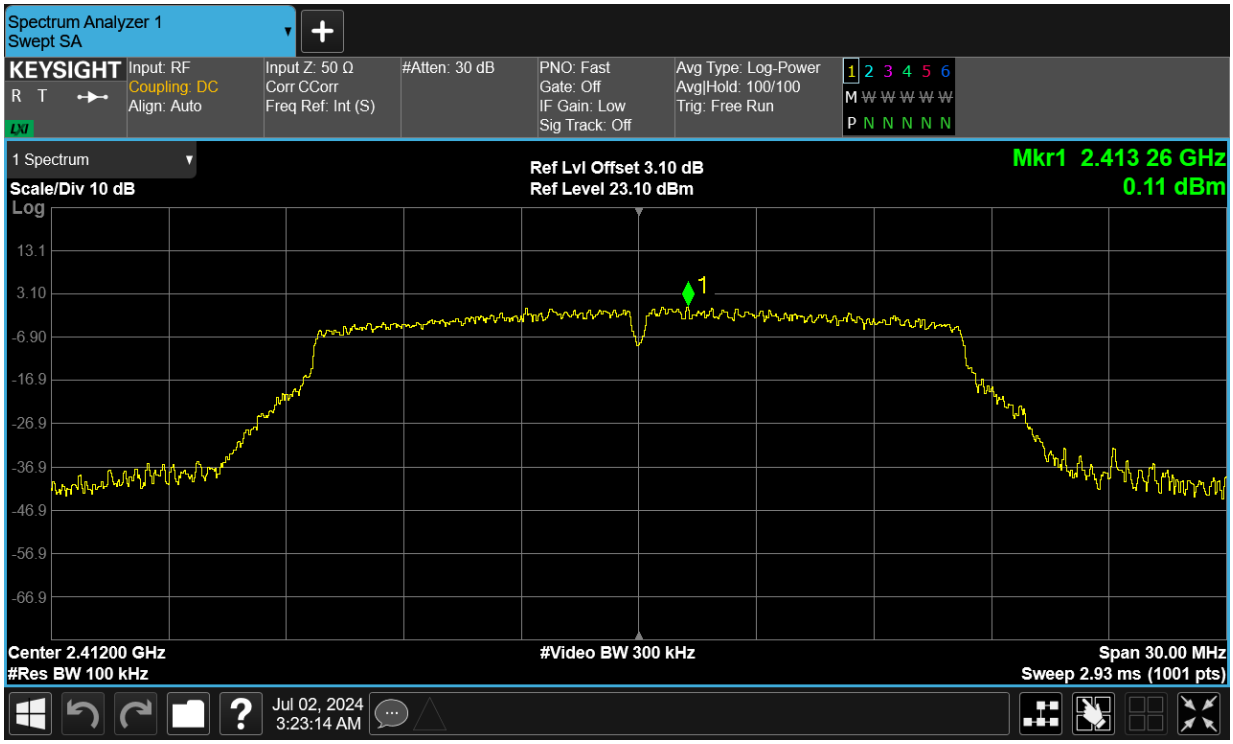
Tx. Spurious NVNT b 2462MHz ANT2 Ref



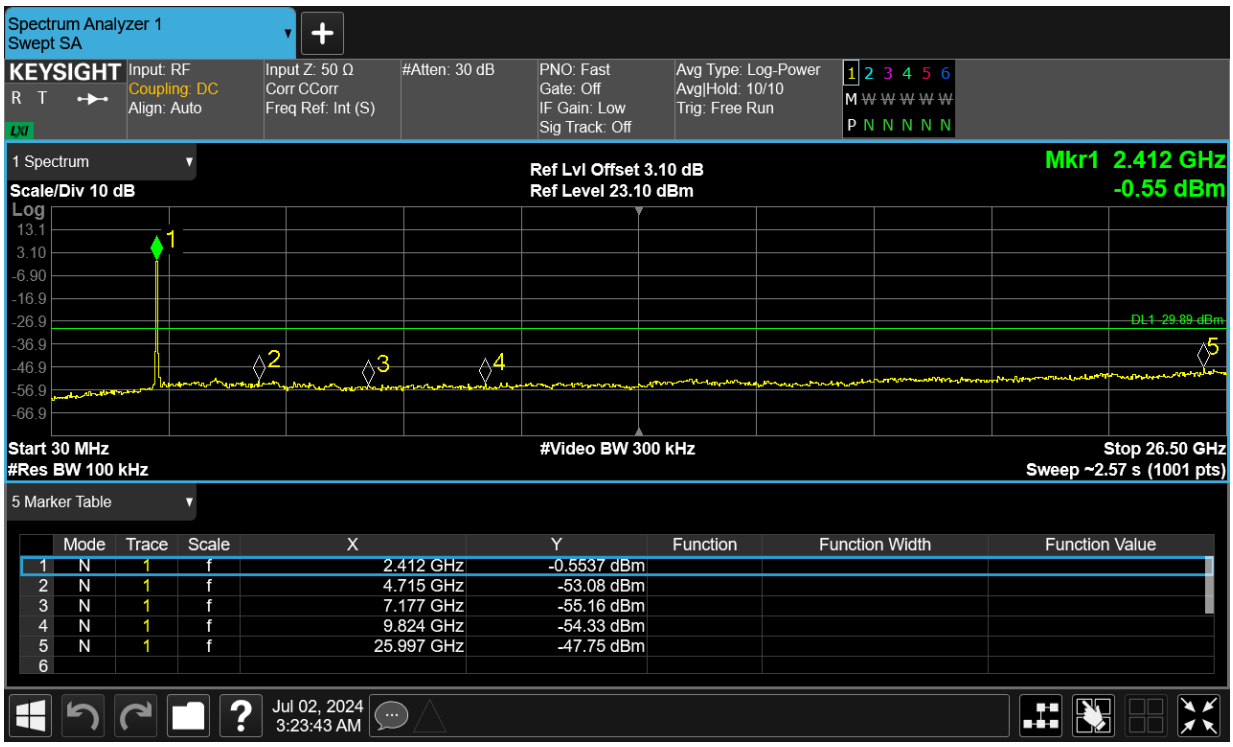
Tx. Spurious NVNT b 2462MHz ANT2 Emission



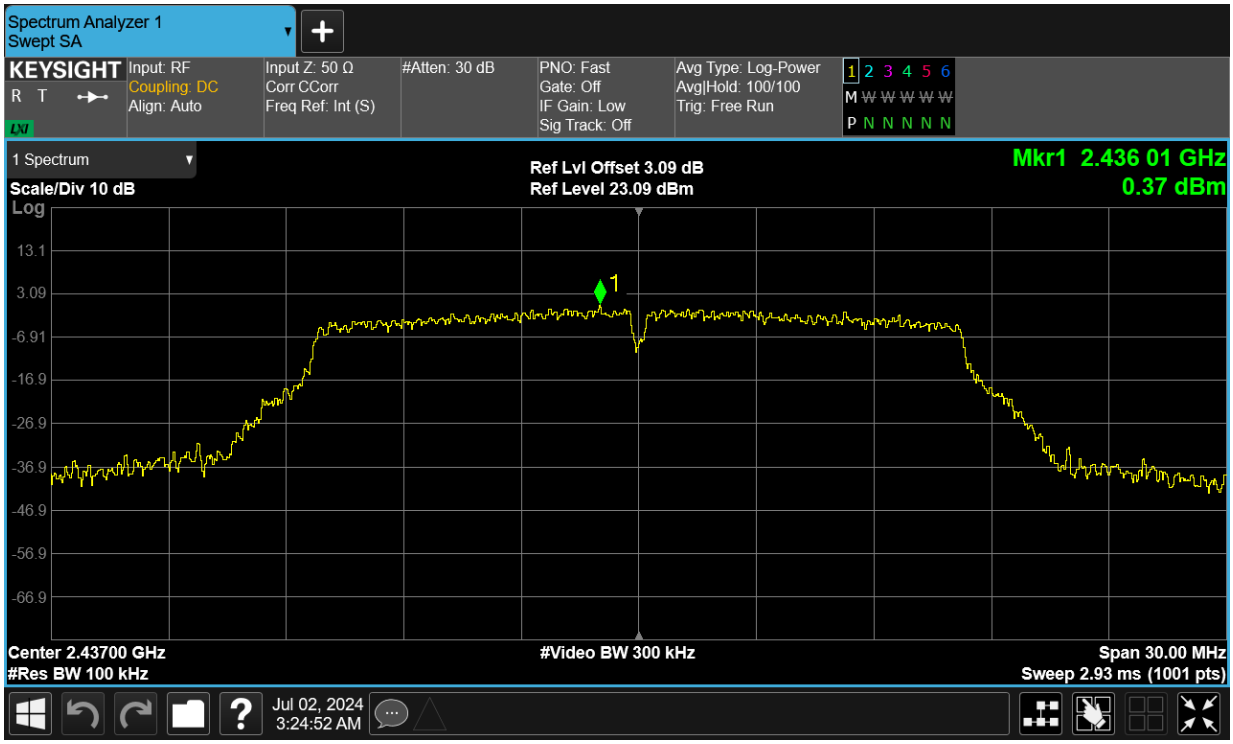
Tx. Spurious NVNT g 2412MHz ANT2 Ref



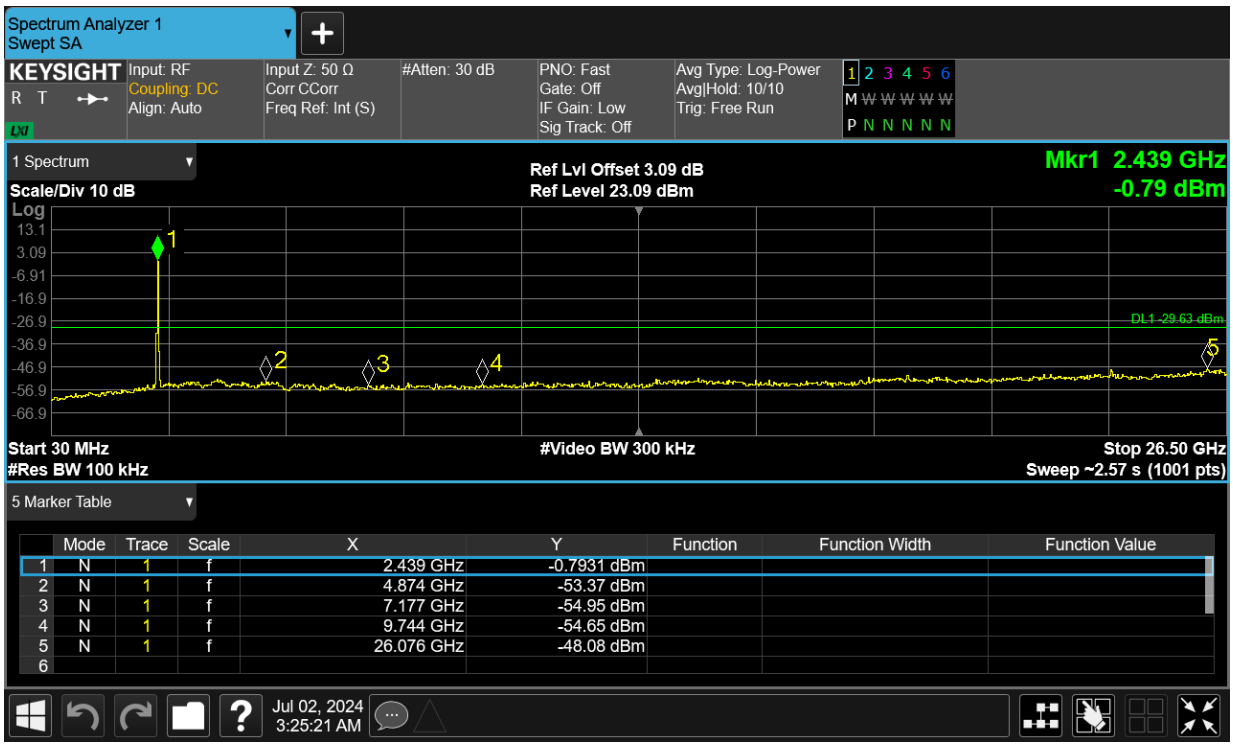
Tx. Spurious NVNT g 2412MHz ANT2 Emission



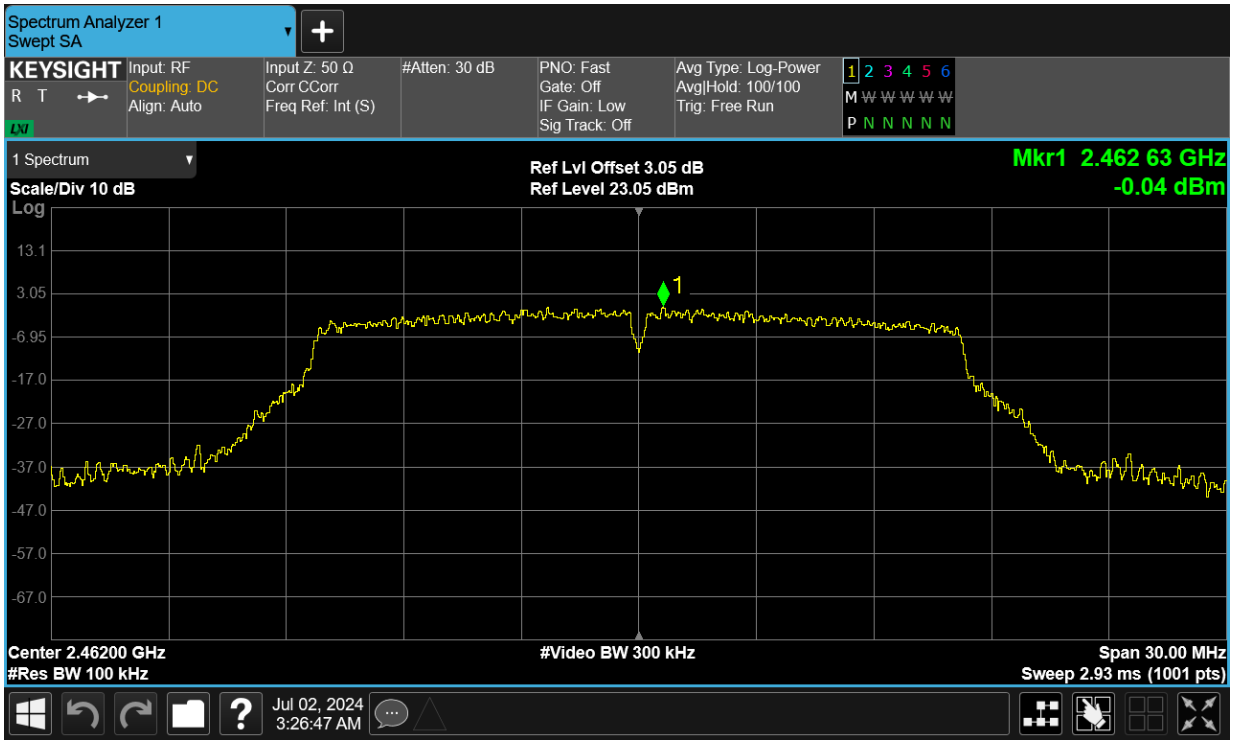
Tx. Spurious NVNT g 2437MHz ANT2 Ref



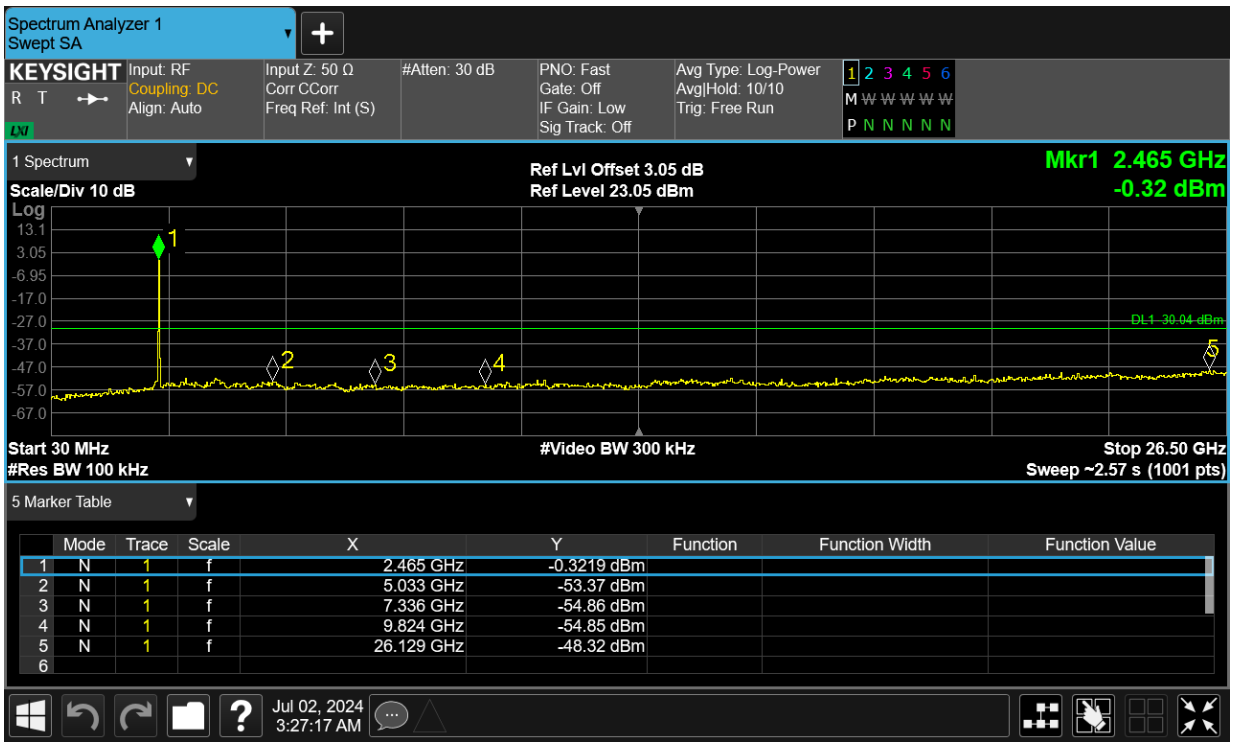
Tx. Spurious NVNT g 2437MHz ANT2 Emission



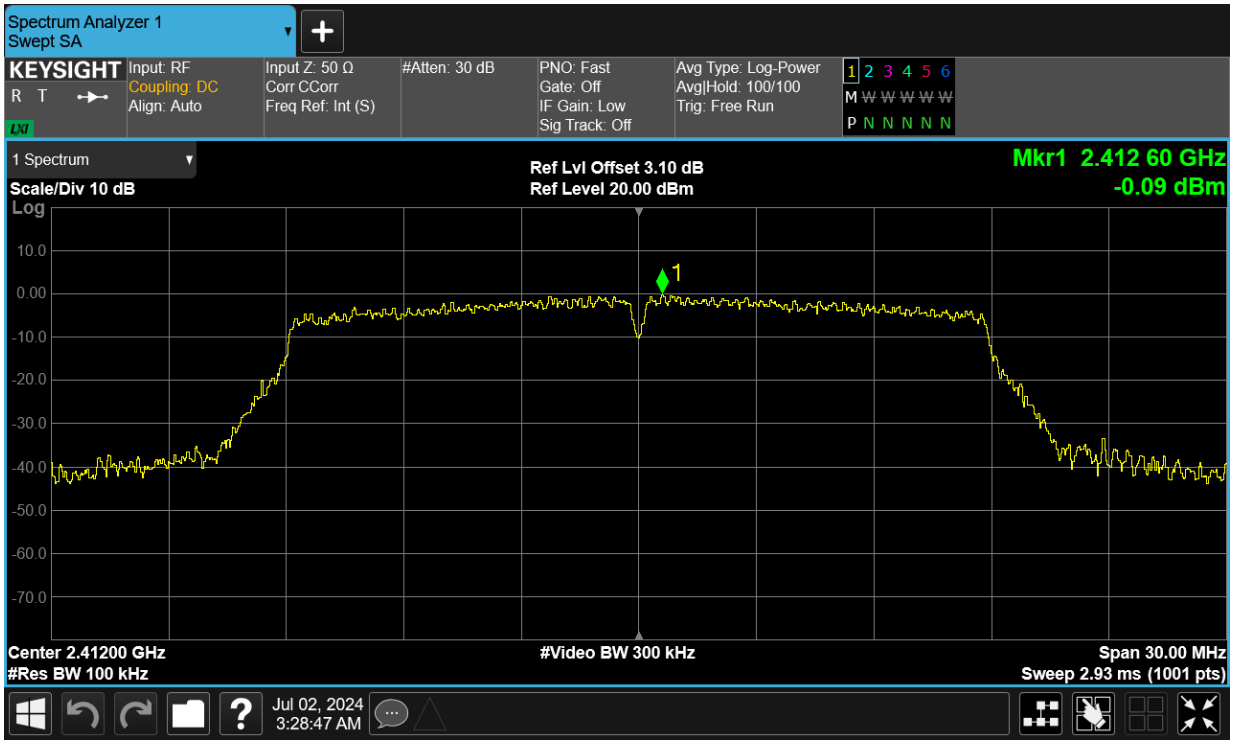
Tx. Spurious NVNT g 2462MHz ANT2 Ref



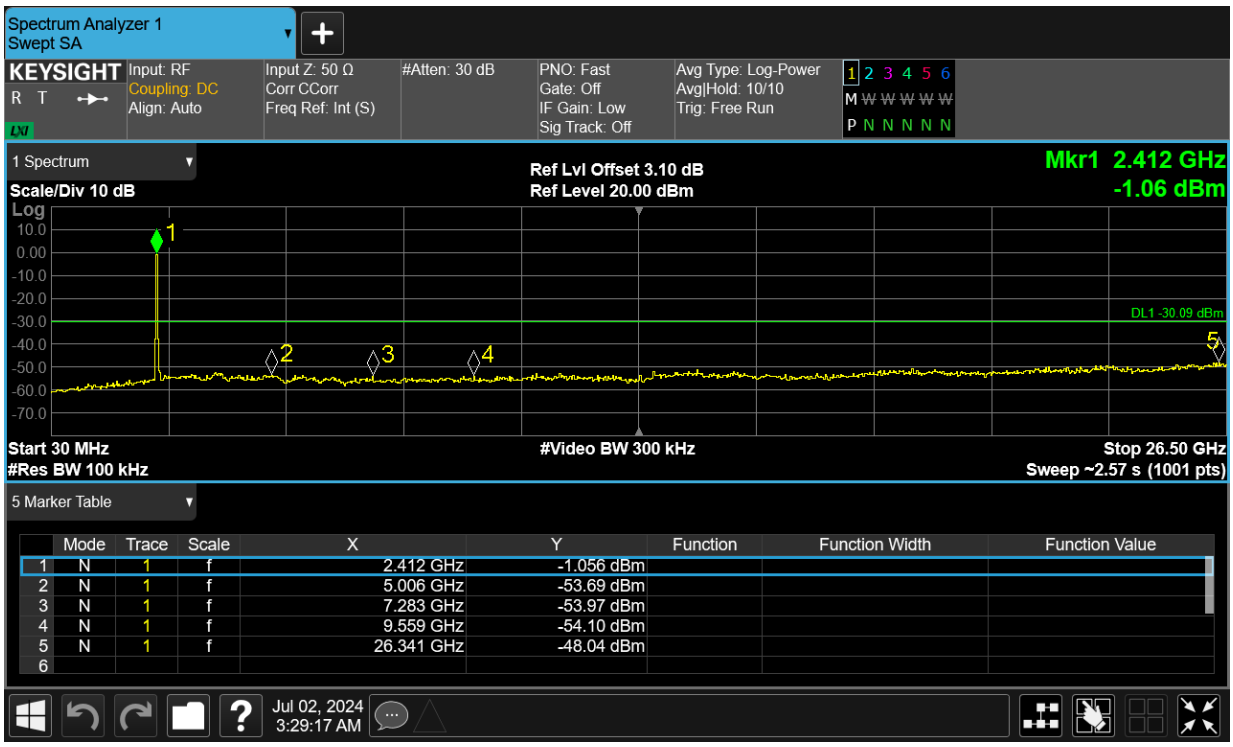
Tx. Spurious NVNT g 2462MHz ANT2 Emission



Tx. Spurious NVNT n20 2412MHz ANT2 Ref



Tx. Spurious NVNT n20 2412MHz ANT2 Emission



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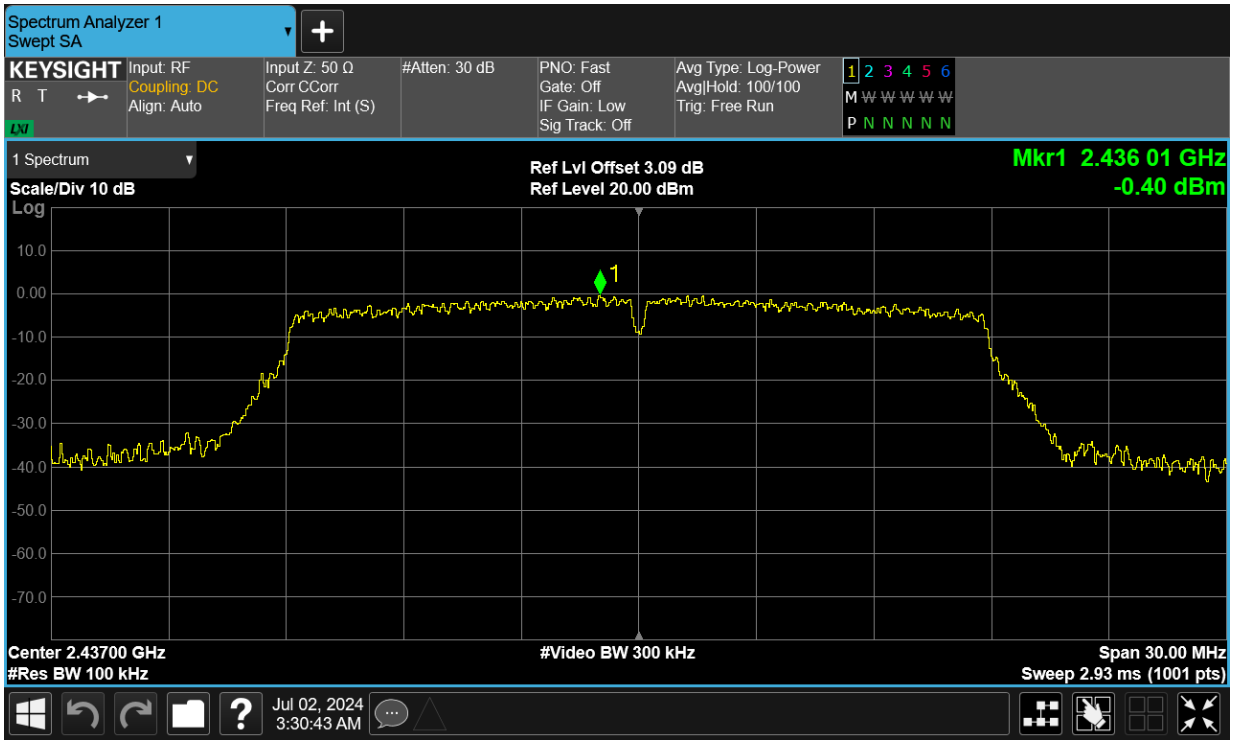

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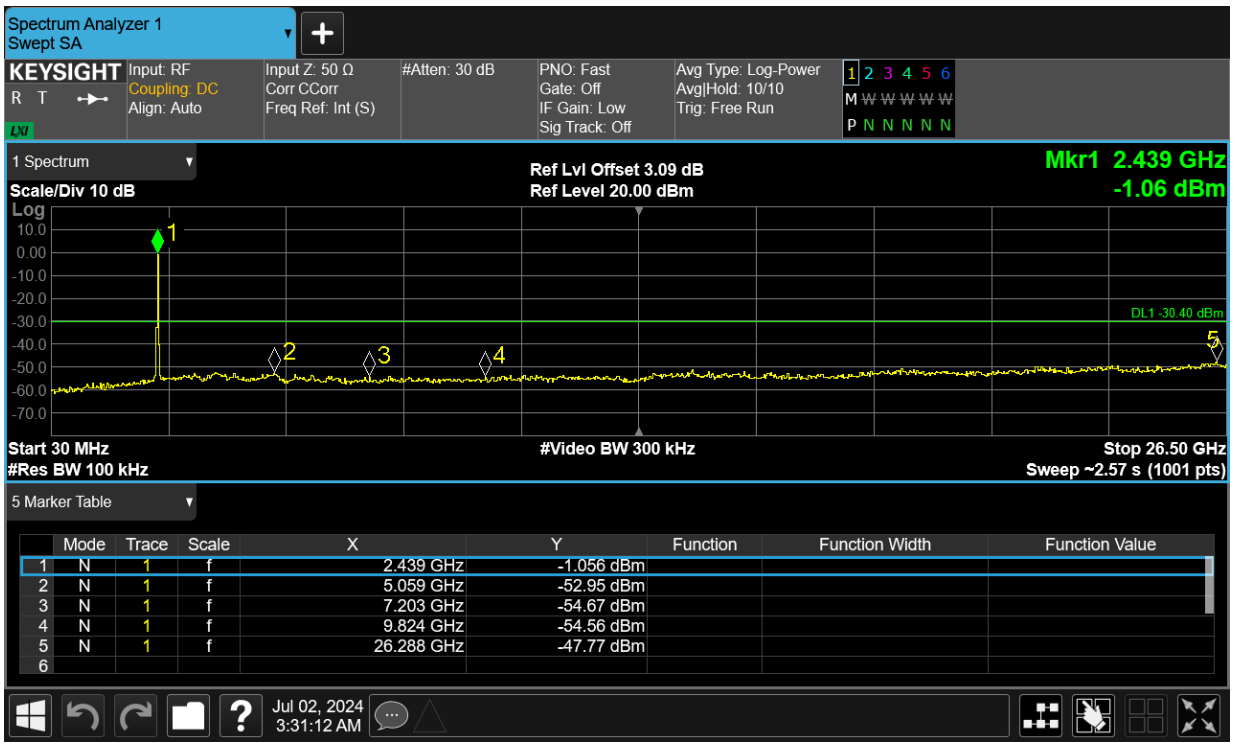

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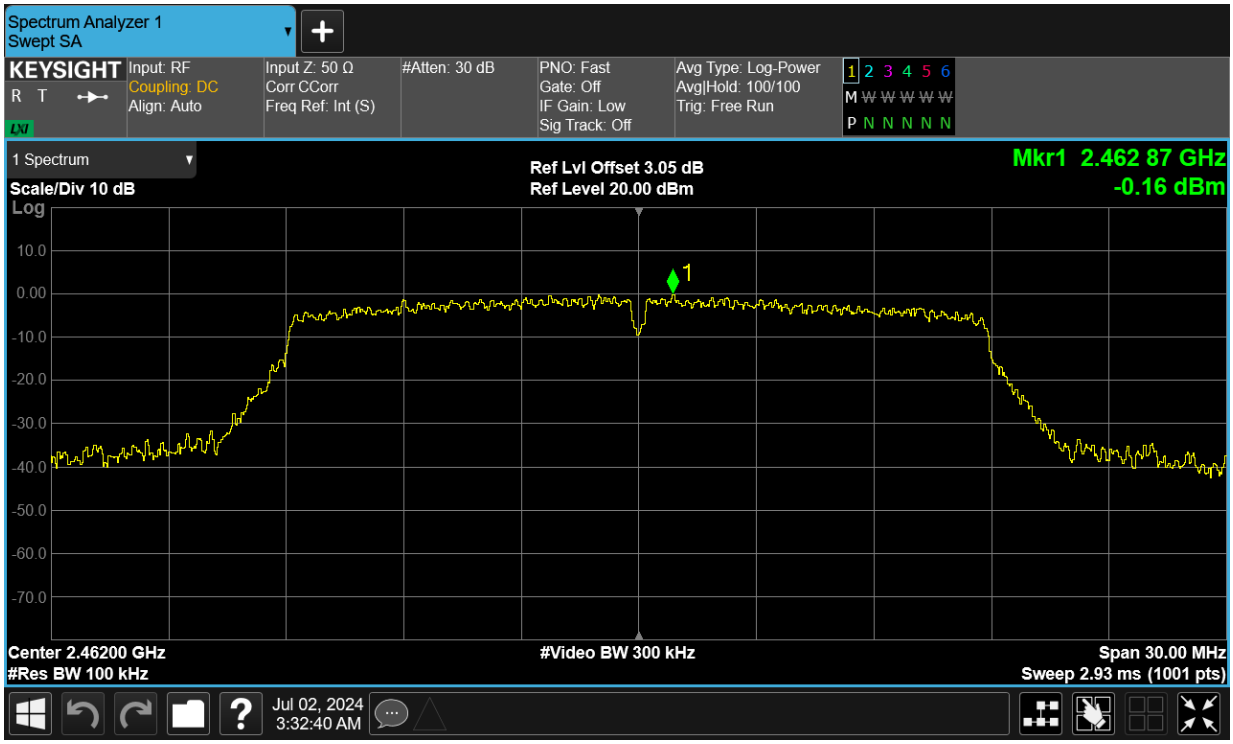
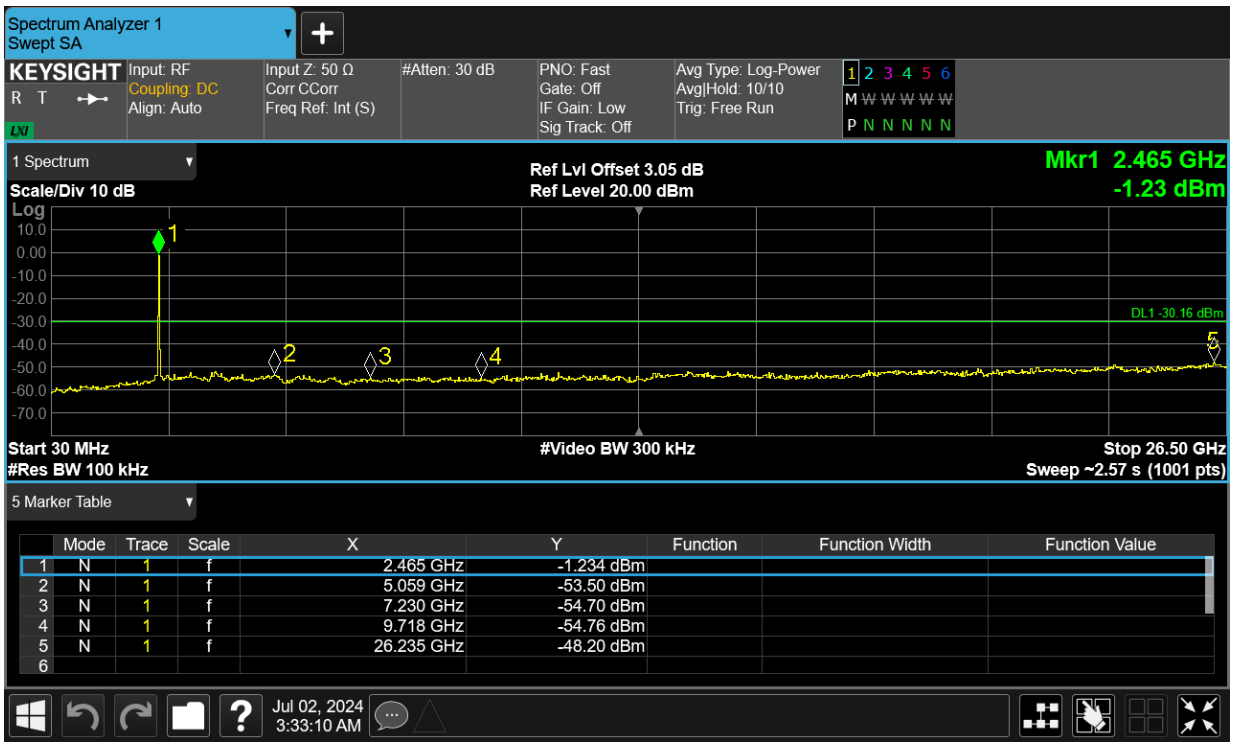
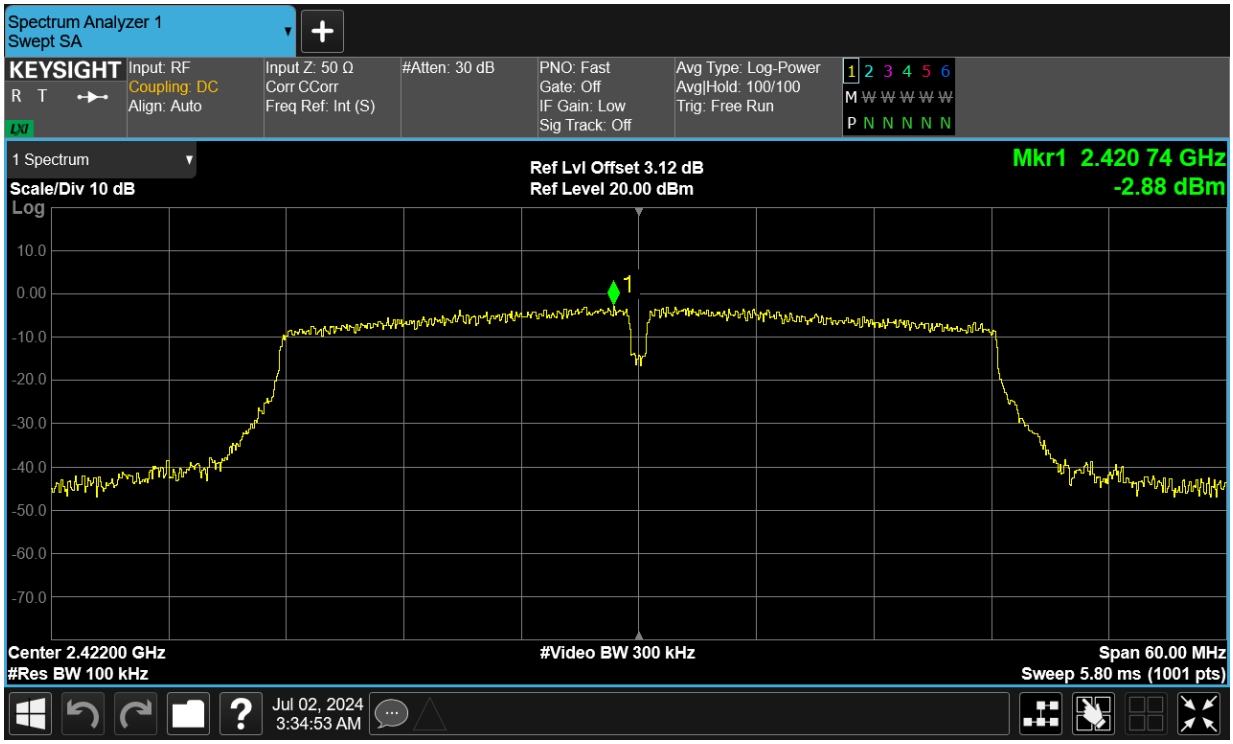


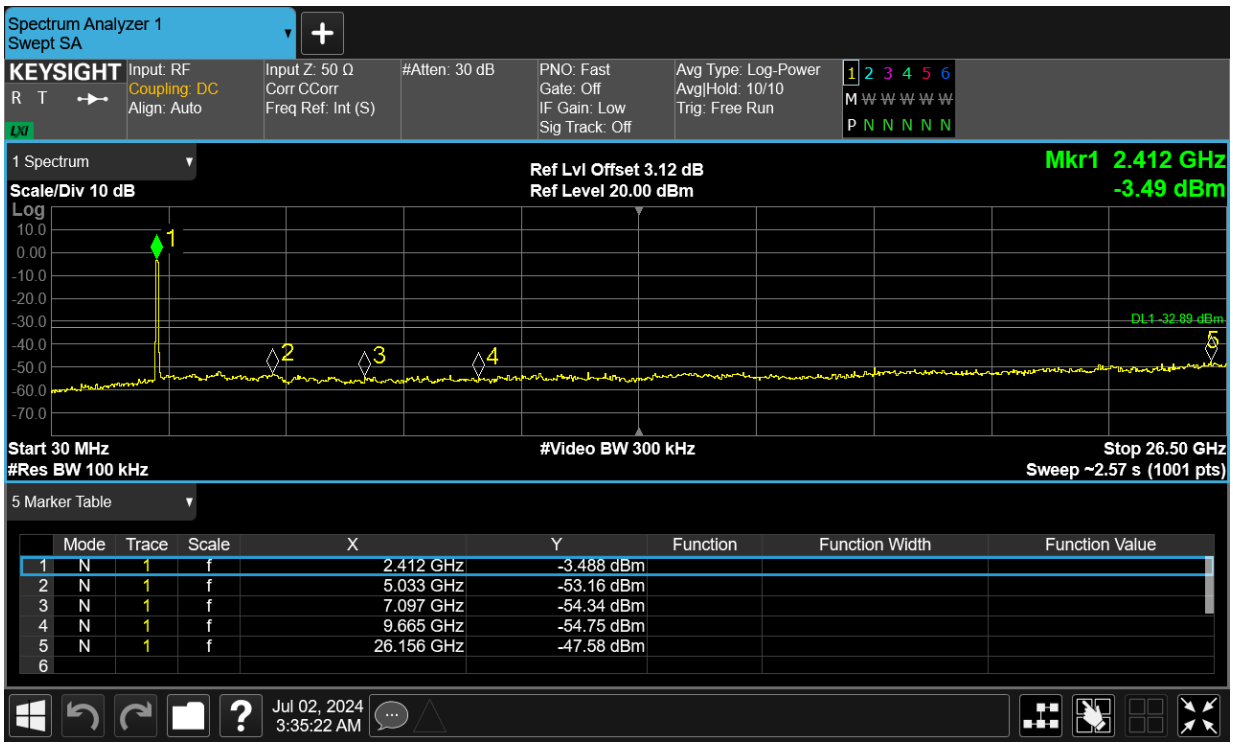
Tx. Spurious NVNT n20 2462MHz ANT2 Emission



Tx. Spurious NVNT n40 2422MHz ANT2 Ref



Tx. Spurious NVNT n40 2422MHz ANT2 Emission



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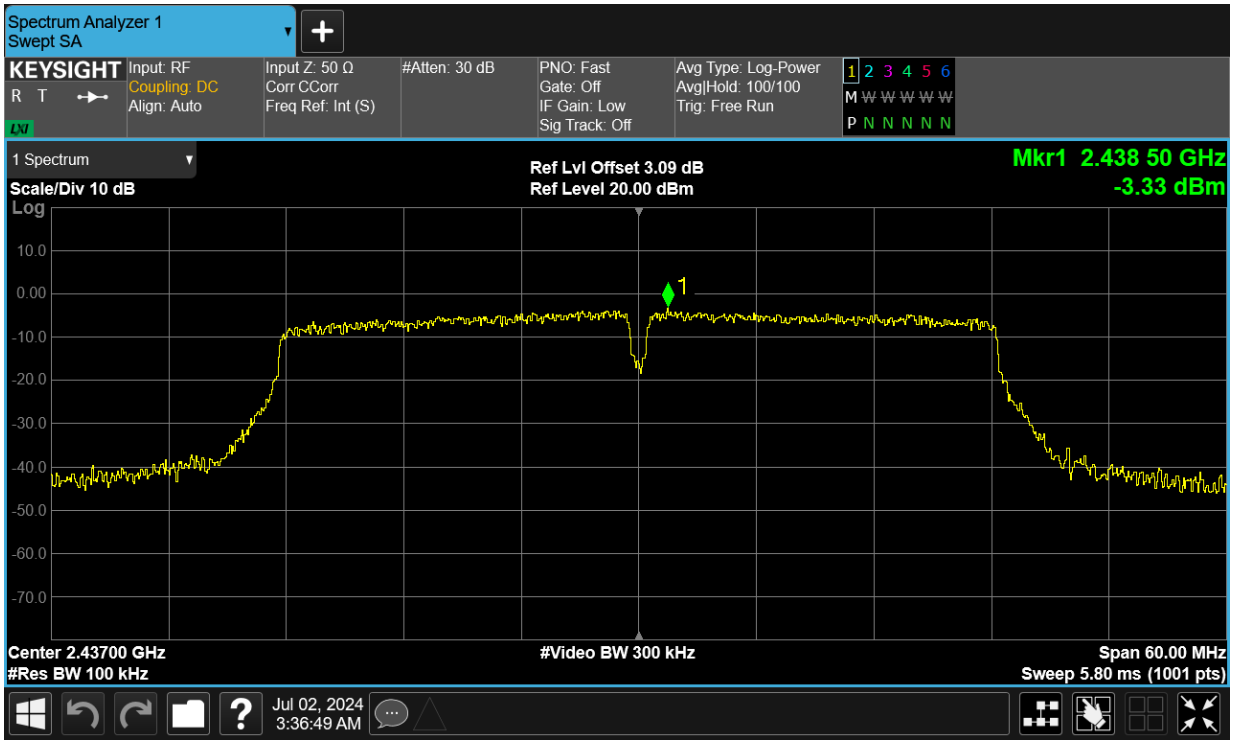

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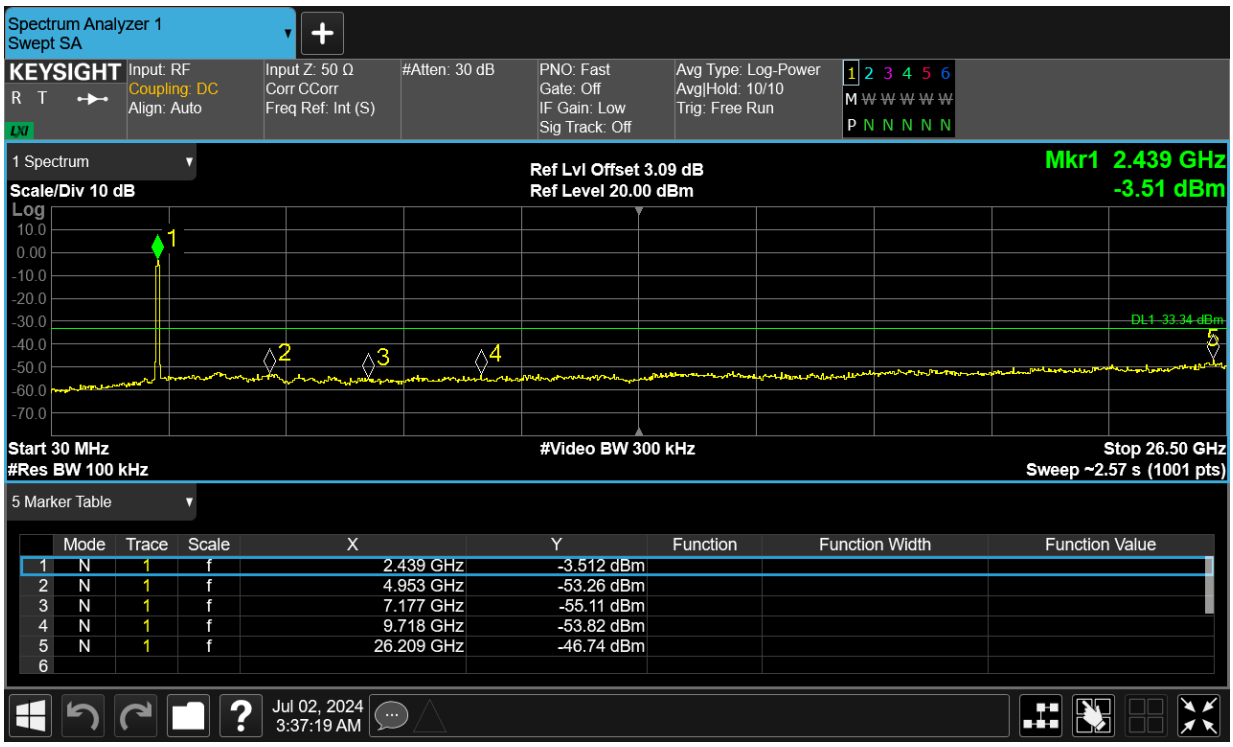

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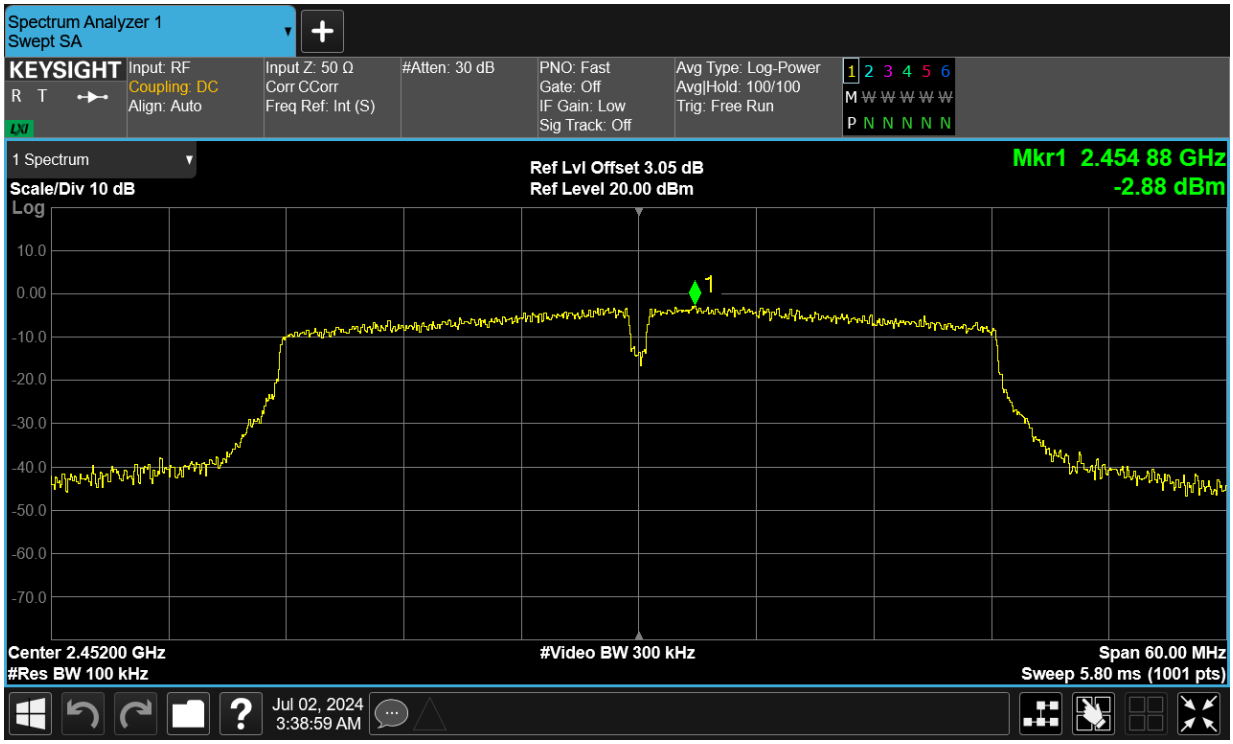
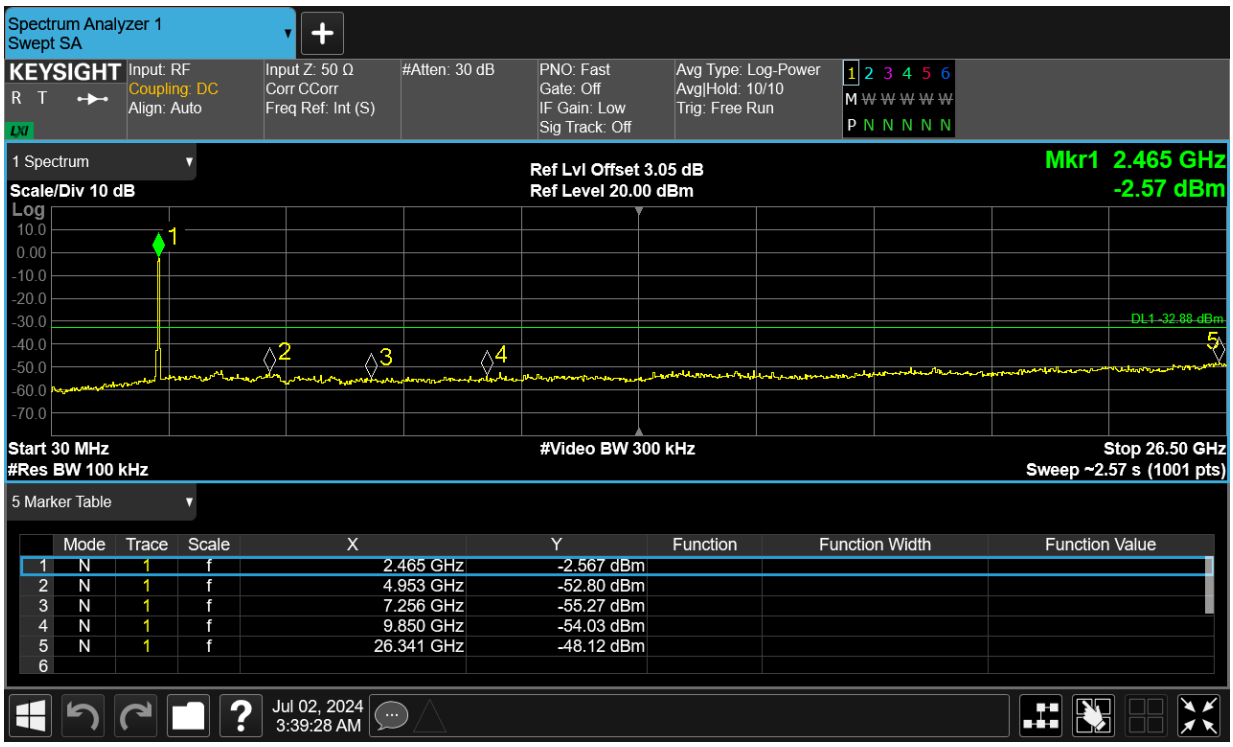
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