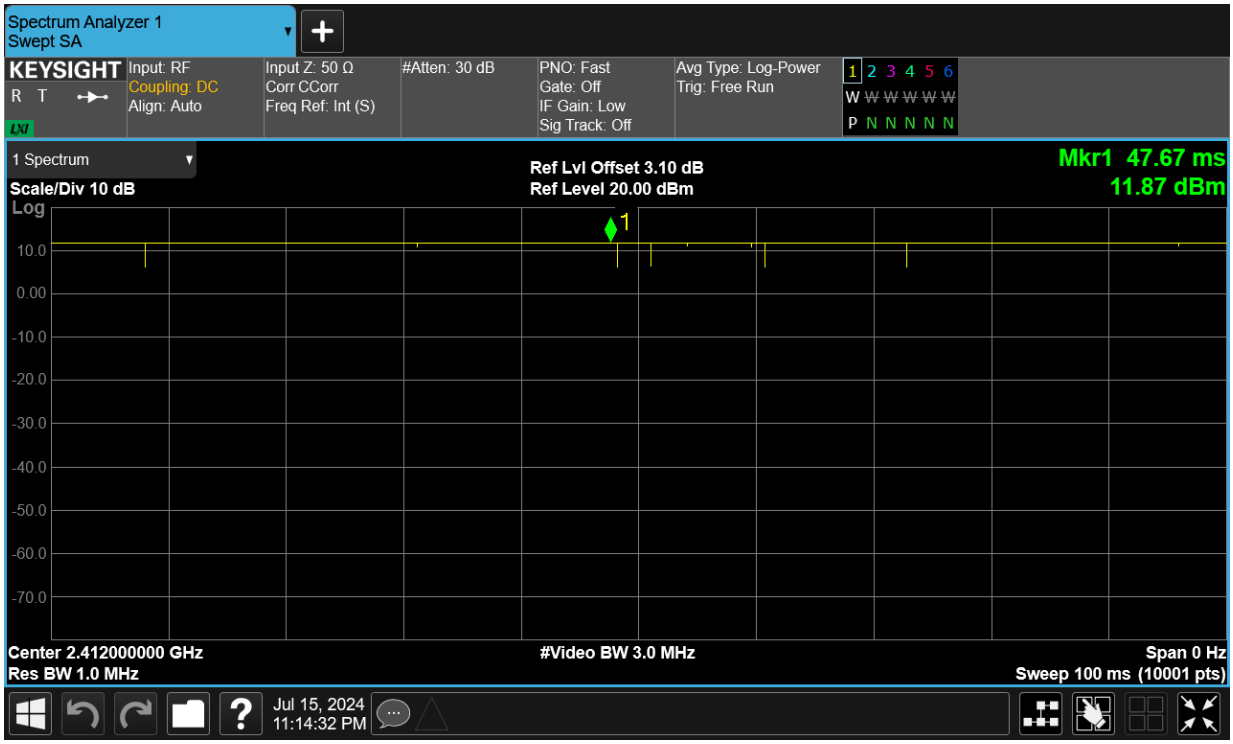
Test Data

Duty Cycle

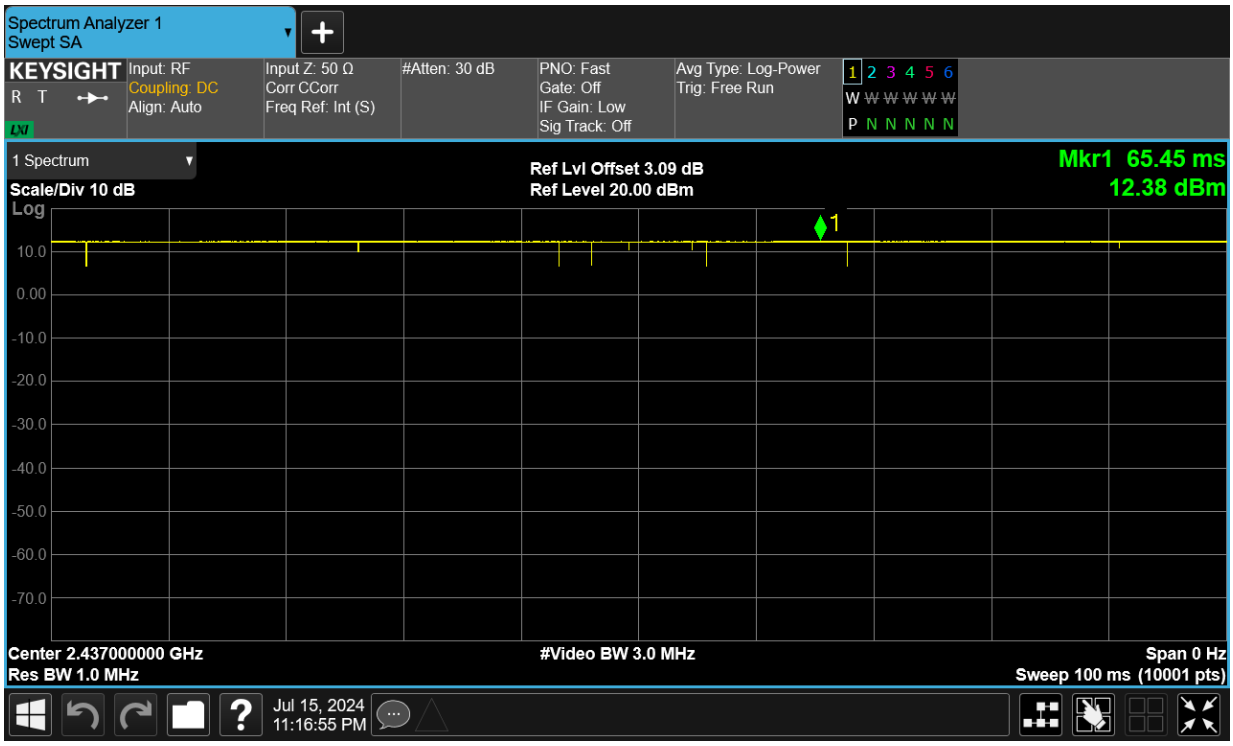
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	ANT14	100	0
NVNT	b	2437	ANT14	100	0
NVNT	b	2462	ANT14	100	0
NVNT	g	2412	ANT14	100	0
NVNT	g	2437	ANT14	100	0
NVNT	g	2462	ANT14	100	0
NVNT	n20	2412	ANT14	100	0
NVNT	n20	2437	ANT14	100	0
NVNT	n20	2462	ANT14	100	0
NVNT	n40	2422	ANT14	100	0
NVNT	n40	2437	ANT14	100	0
NVNT	n40	2452	ANT14	100	0

Test Graphs

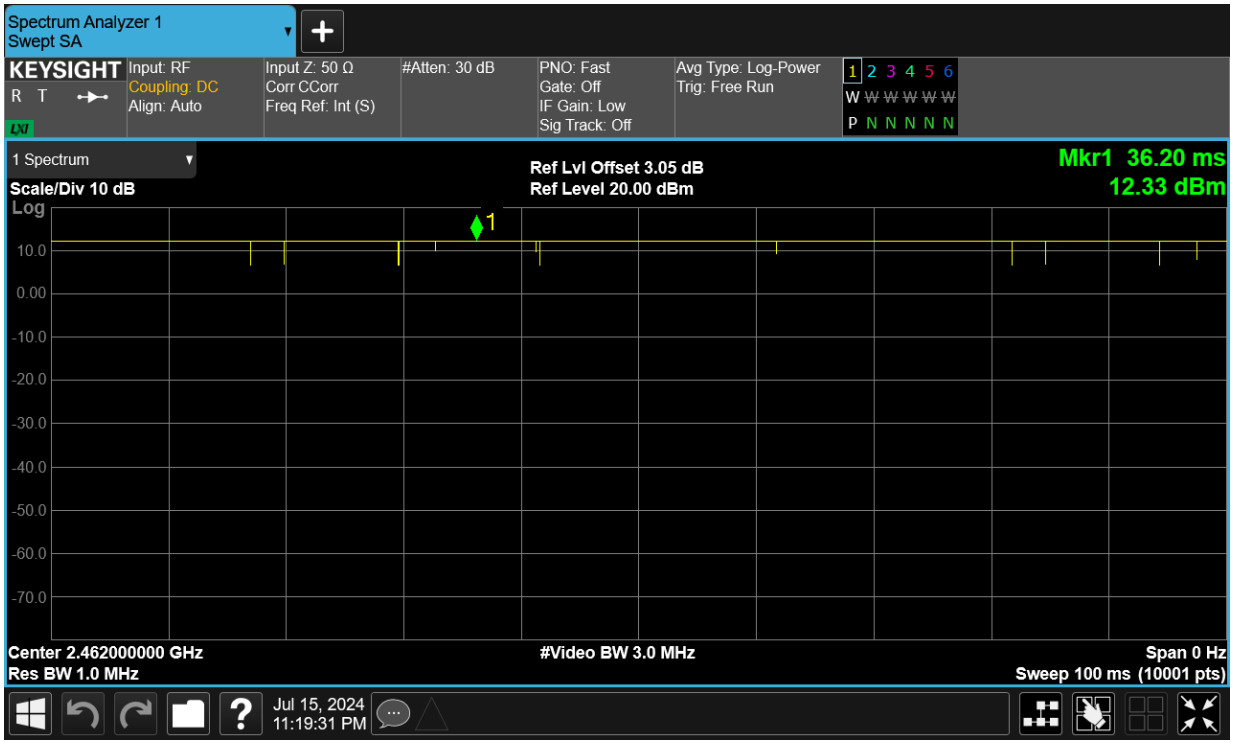
Duty Cycle NVNT b 2412MHz ANT14



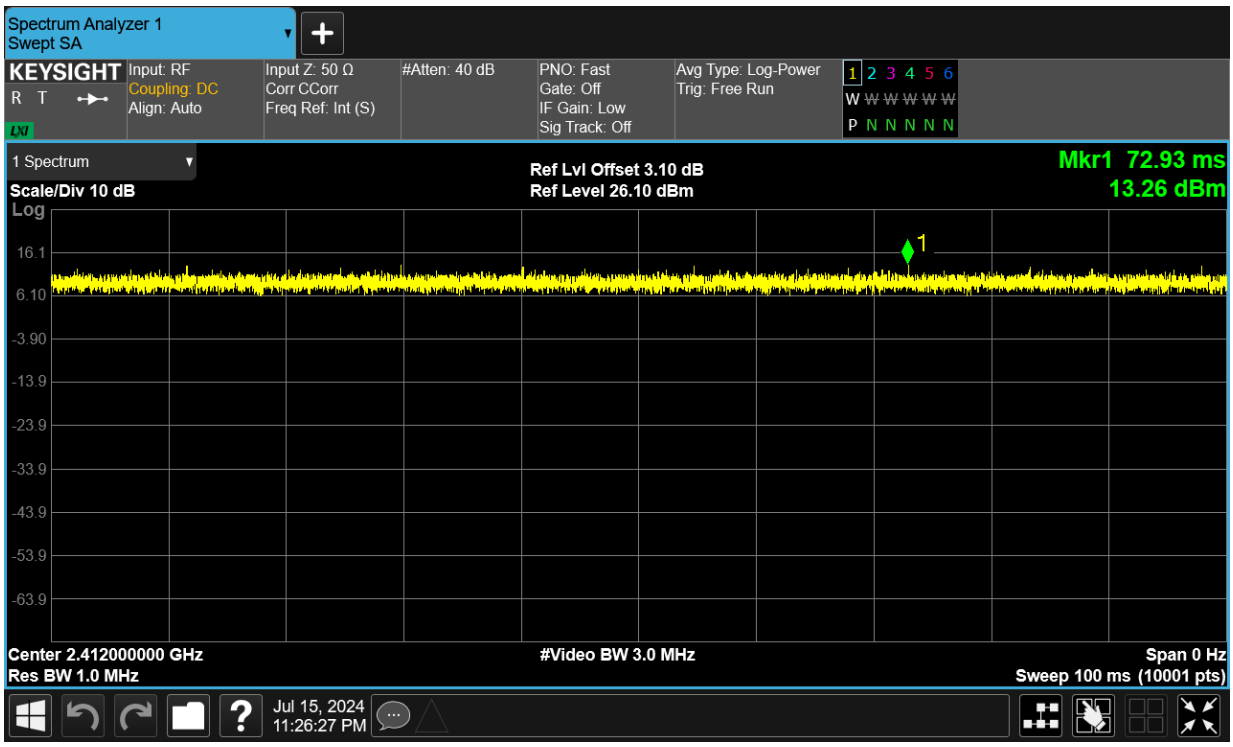
Duty Cycle NVNT b 2437MHz ANT14



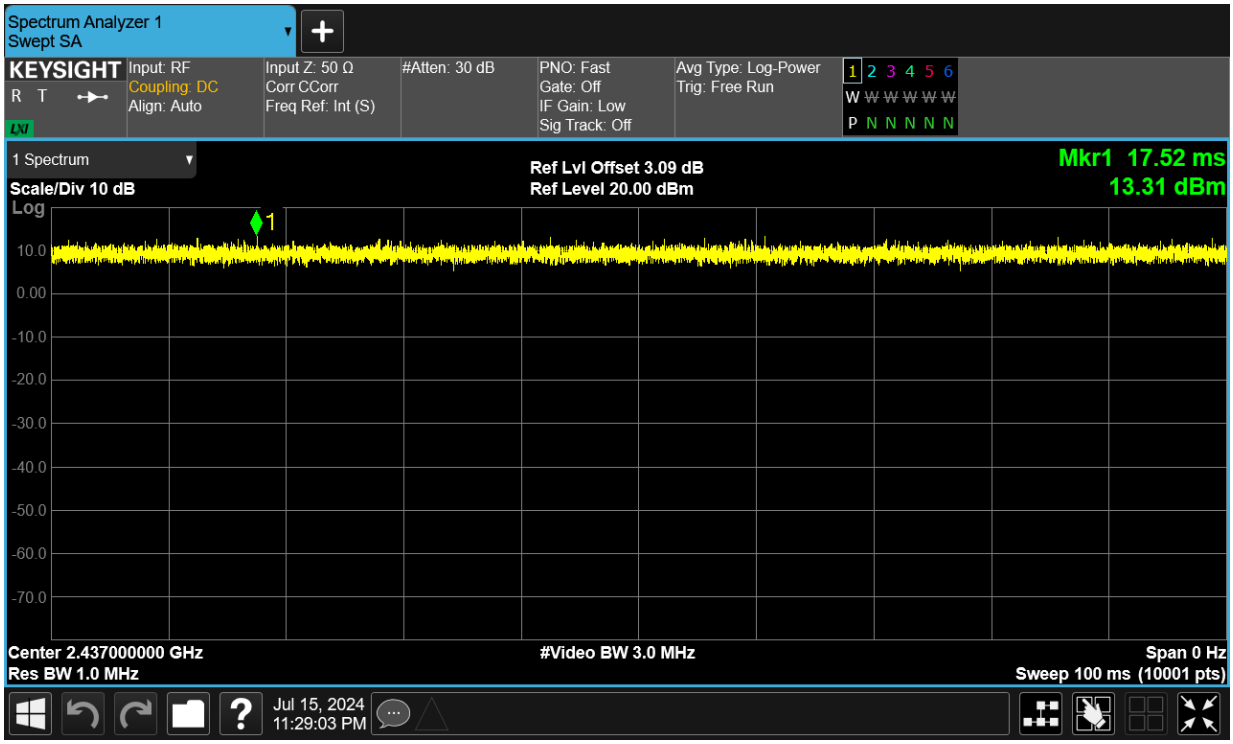
Duty Cycle NVNT b 2462MHz ANT14



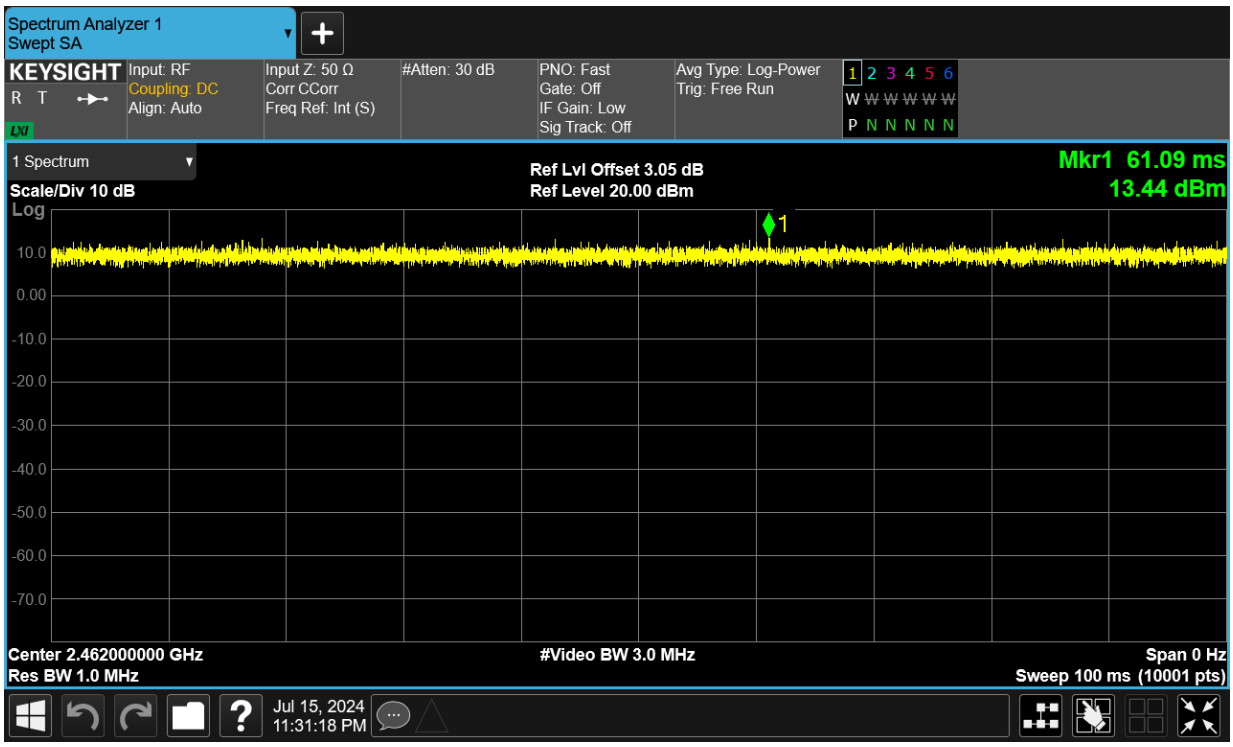
Duty Cycle NVNT g 2412MHz ANT14



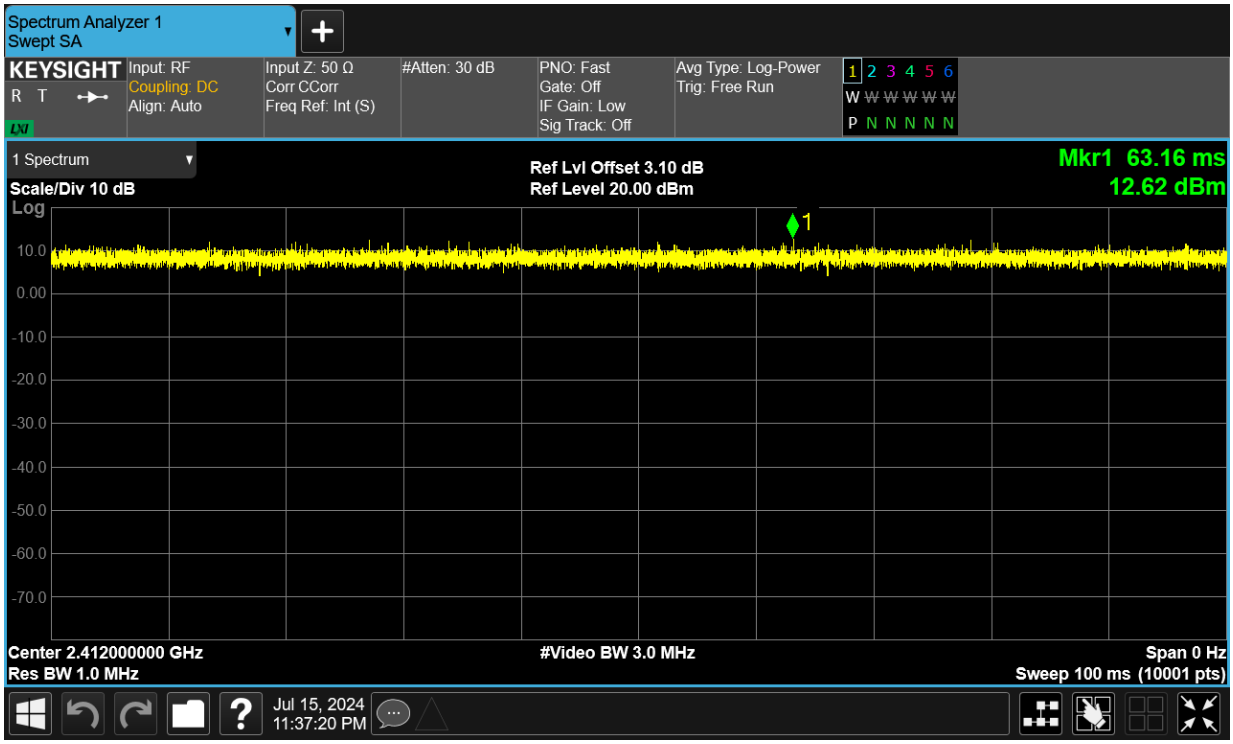
Duty Cycle NVNT g 2437MHz ANT14



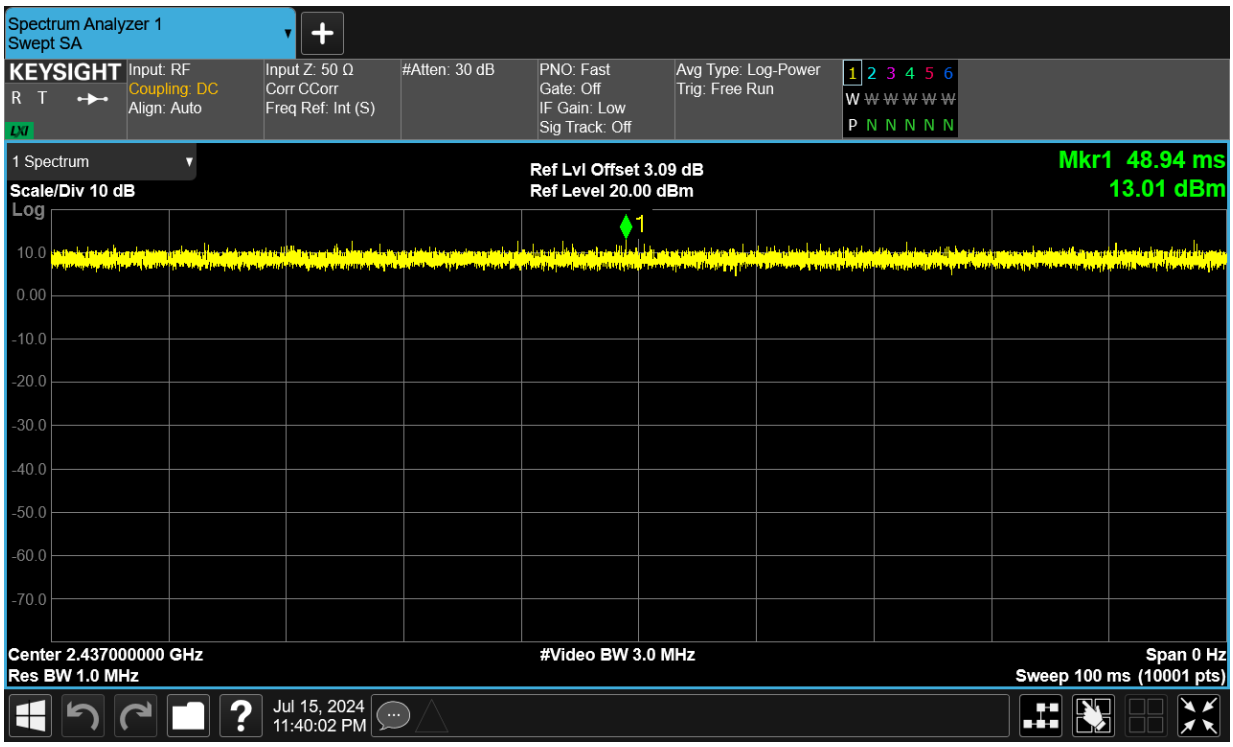
Duty Cycle NVNT g 2462MHz ANT14



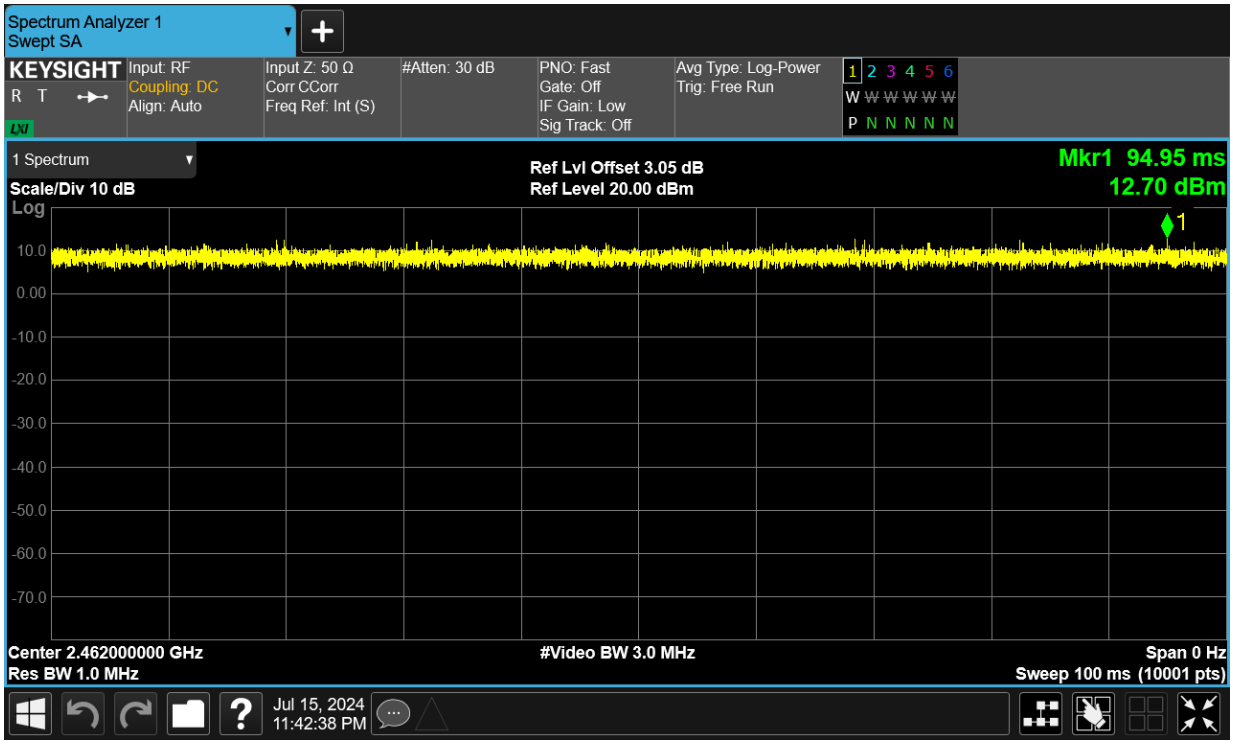
Duty Cycle NVNT n20 2412MHz ANT14



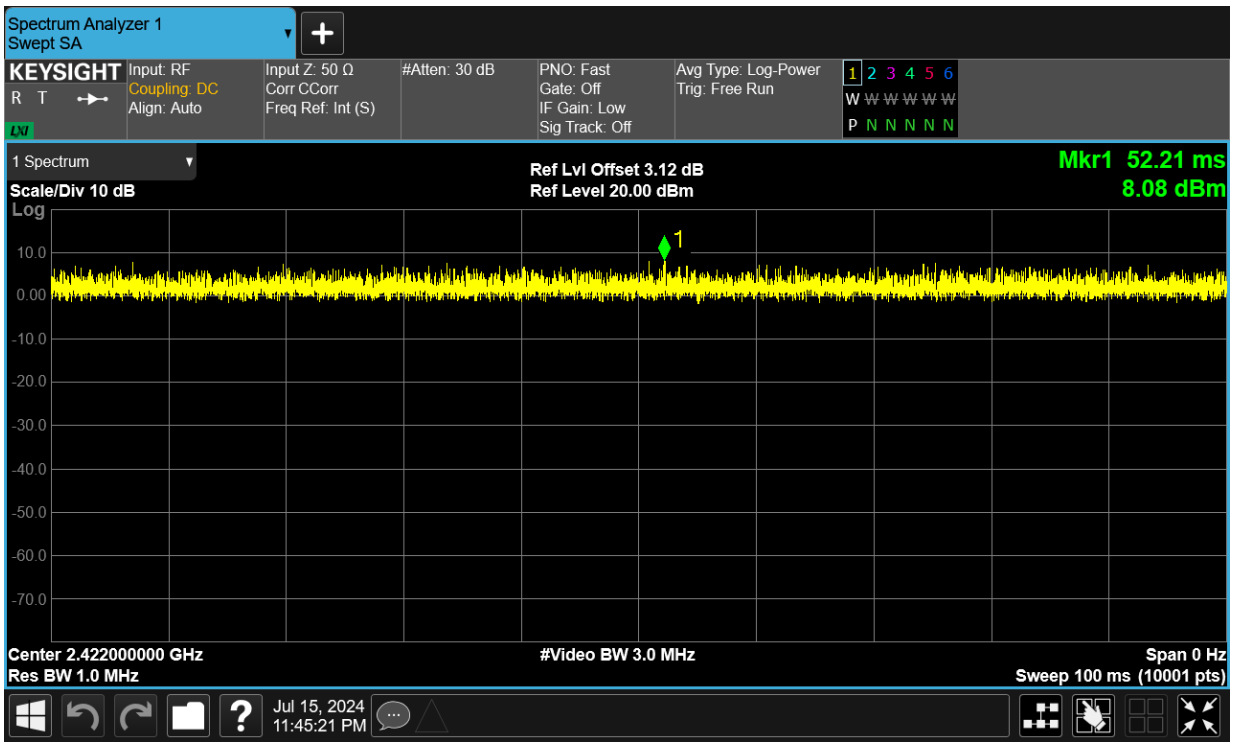
Duty Cycle NVNT n20 2437MHz ANT14



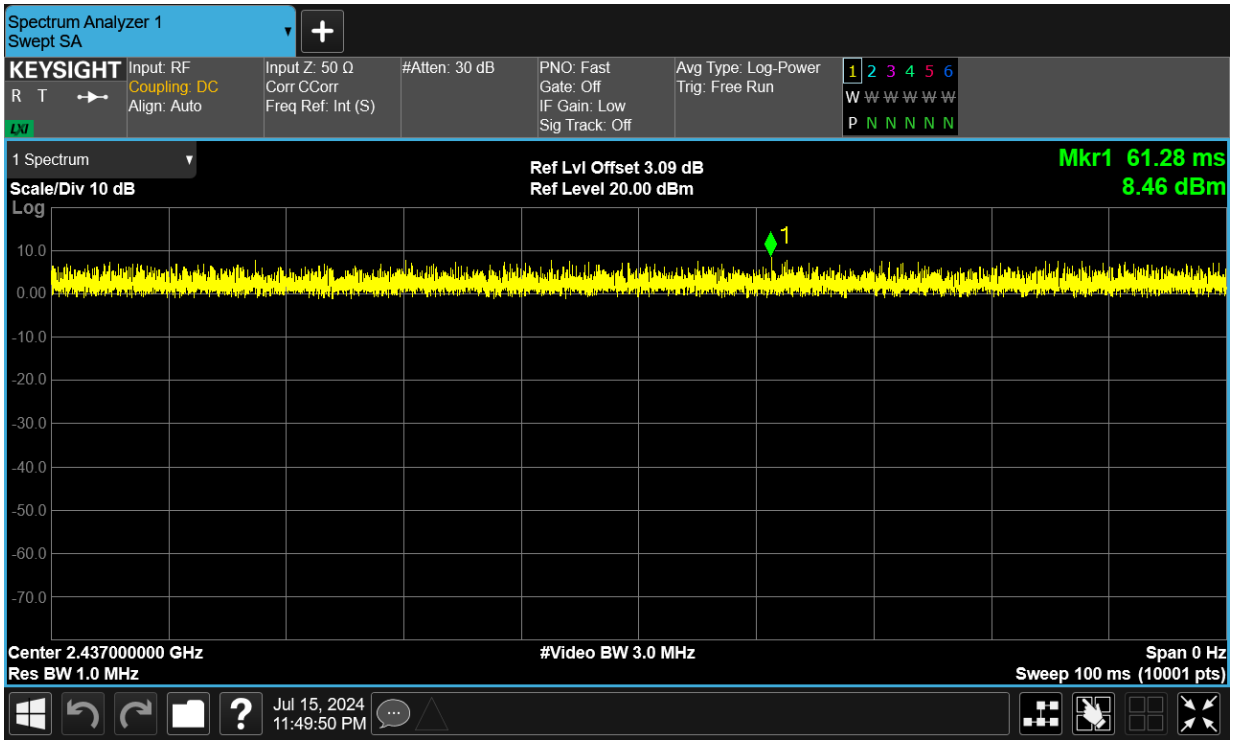
Duty Cycle NVNT n20 2462MHz ANT14



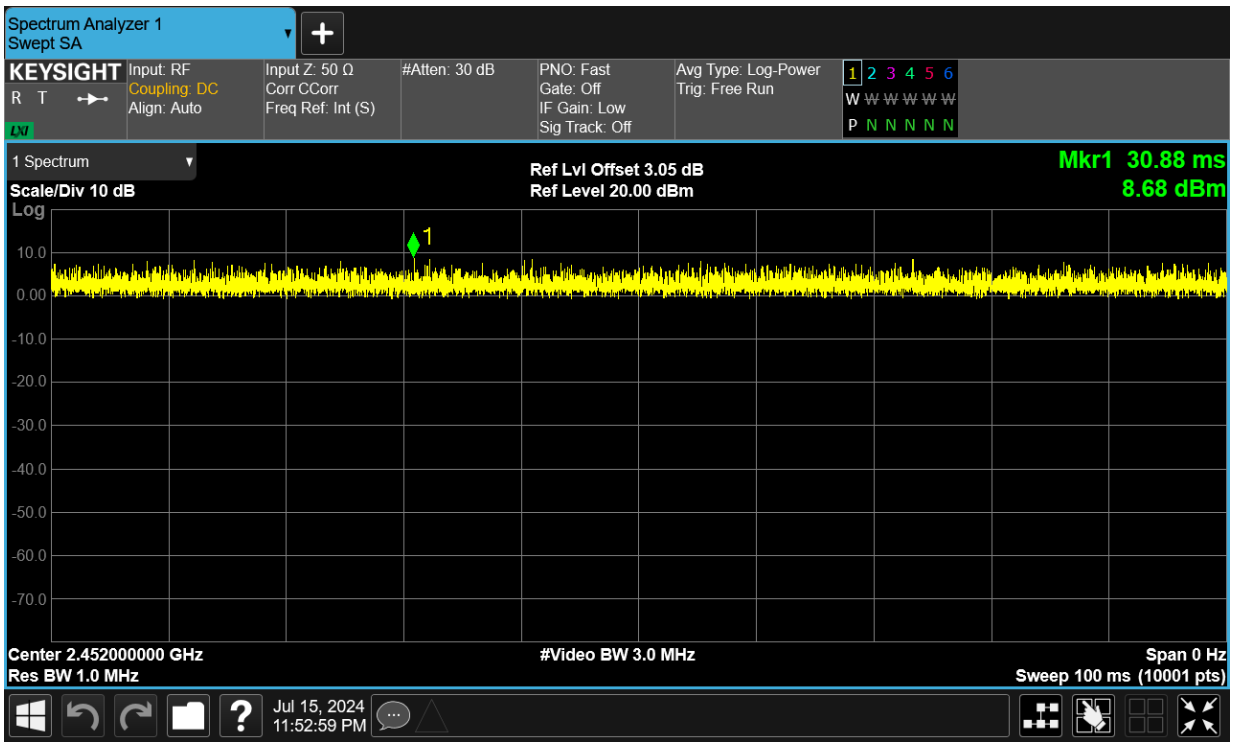
Duty Cycle NVNT n40 2422MHz ANT14



Duty Cycle NVNT n40 2437MHz ANT14



Duty Cycle NVNT n40 2452MHz ANT14



Maximum Conducted Output Power

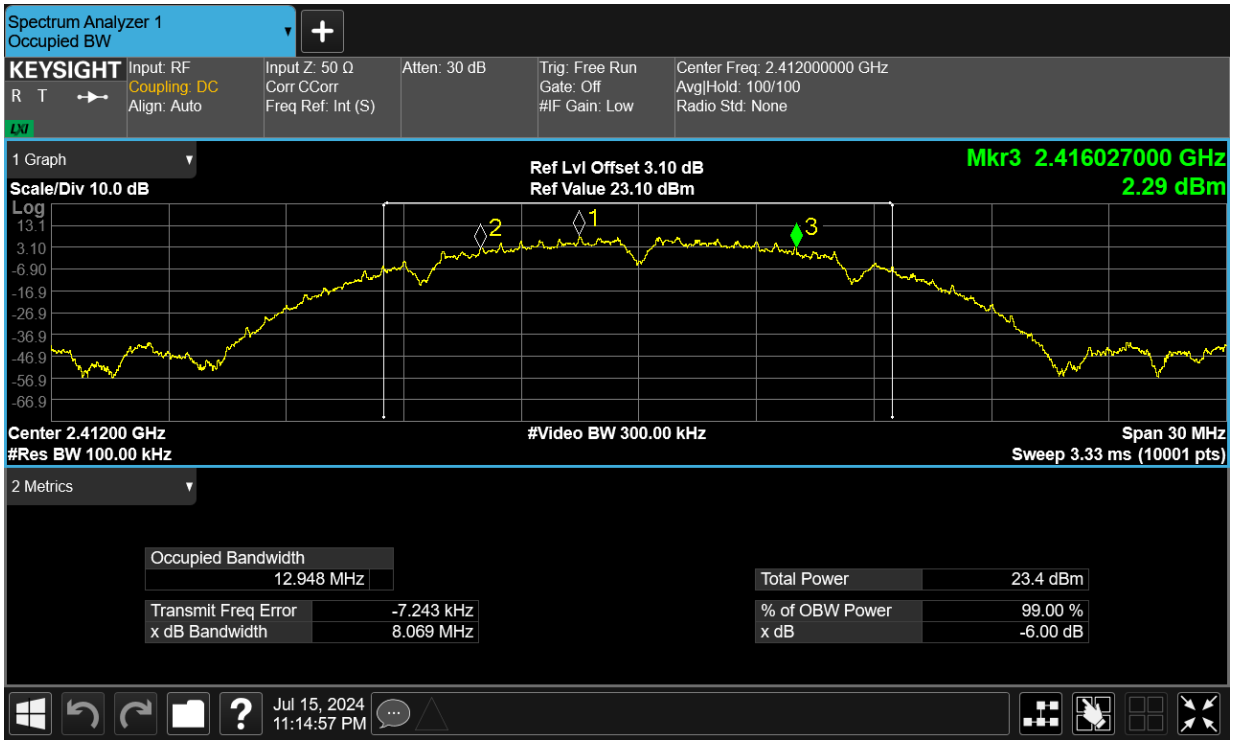
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT14	17.52	0	17.52	30	Pass
NVNT	b	2437	ANT14	17.3	0	17.3	30	Pass
NVNT	b	2462	ANT14	17.21	0	17.21	30	Pass
NVNT	g	2412	ANT14	16	0	16	30	Pass
NVNT	g	2437	ANT14	15.49	0	15.49	30	Pass
NVNT	g	2462	ANT14	15.56	0	15.56	30	Pass
NVNT	n20	2412	ANT14	15.49	0	15.49	30	Pass
NVNT	n20	2437	ANT14	14.94	0	14.94	30	Pass
NVNT	n20	2462	ANT14	14.93	0	14.93	30	Pass
NVNT	n40	2422	ANT14	15.28	0	15.28	30	Pass
NVNT	n40	2437	ANT14	15.16	0	15.16	30	Pass
NVNT	n40	2452	ANT14	15.3	0	15.3	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	ANT14	8.069	0.5	Pass
NVNT	b	2437	ANT14	7.59	0.5	Pass
NVNT	b	2462	ANT14	8.041	0.5	Pass
NVNT	g	2412	ANT14	16.371	0.5	Pass
NVNT	g	2437	ANT14	16.361	0.5	Pass
NVNT	g	2462	ANT14	16.344	0.5	Pass
NVNT	n20	2412	ANT14	17.606	0.5	Pass
NVNT	n20	2437	ANT14	17.592	0.5	Pass
NVNT	n20	2462	ANT14	17.649	0.5	Pass
NVNT	n40	2422	ANT14	36.342	0.5	Pass
NVNT	n40	2437	ANT14	36.304	0.5	Pass
NVNT	n40	2452	ANT14	35.949	0.5	Pass

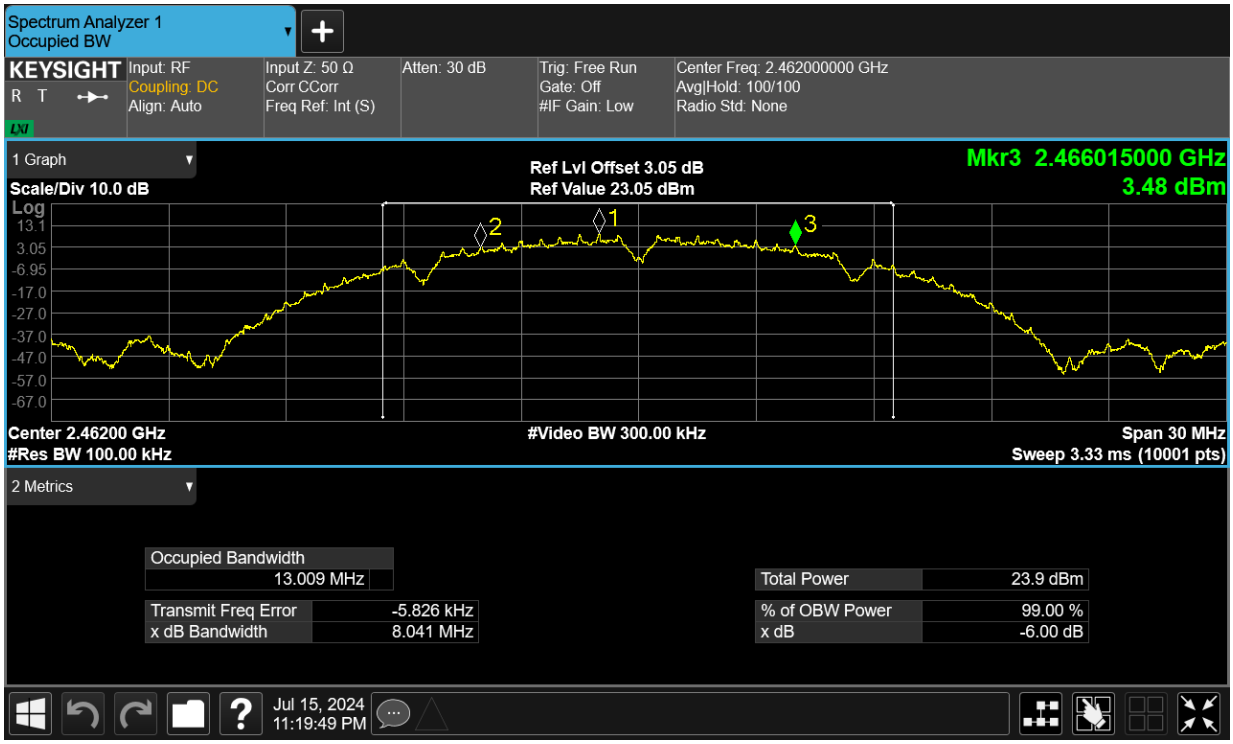
Test Graphs

-6dB Bandwidth NVNT b 2412MHz ANT14

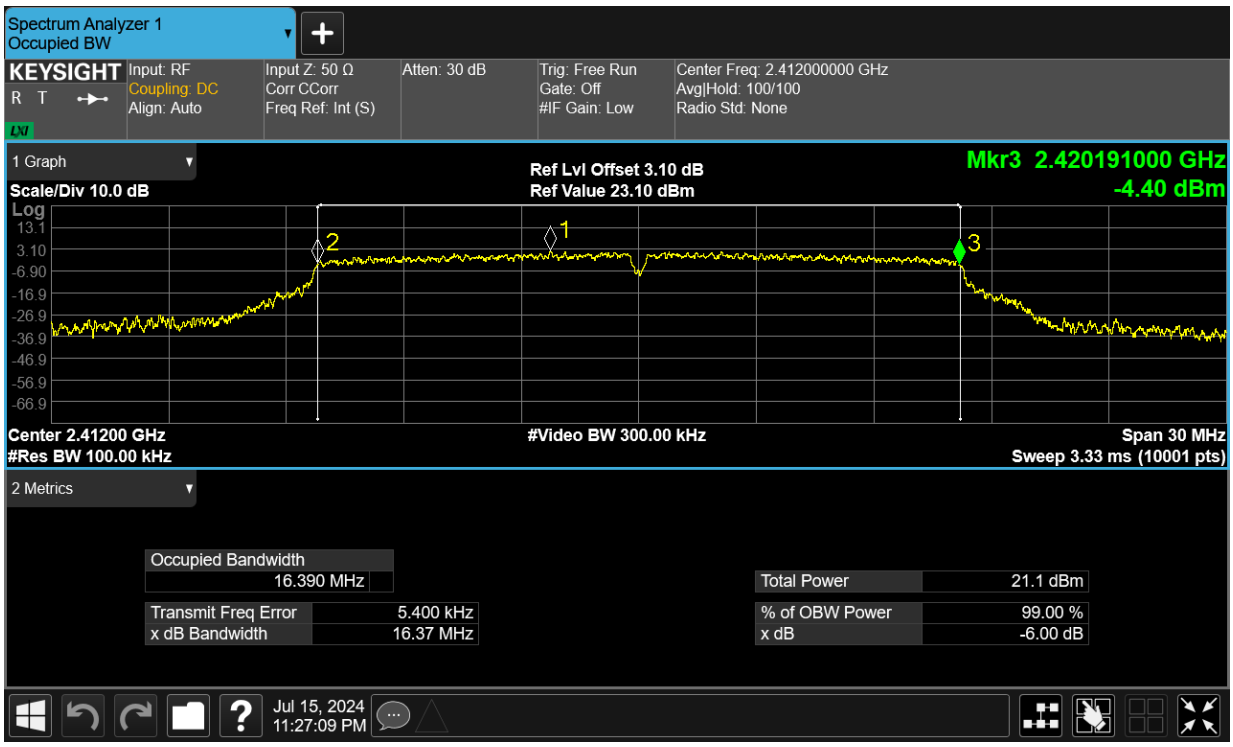


-6dB Bandwidth NVNT b 2437MHz ANT14

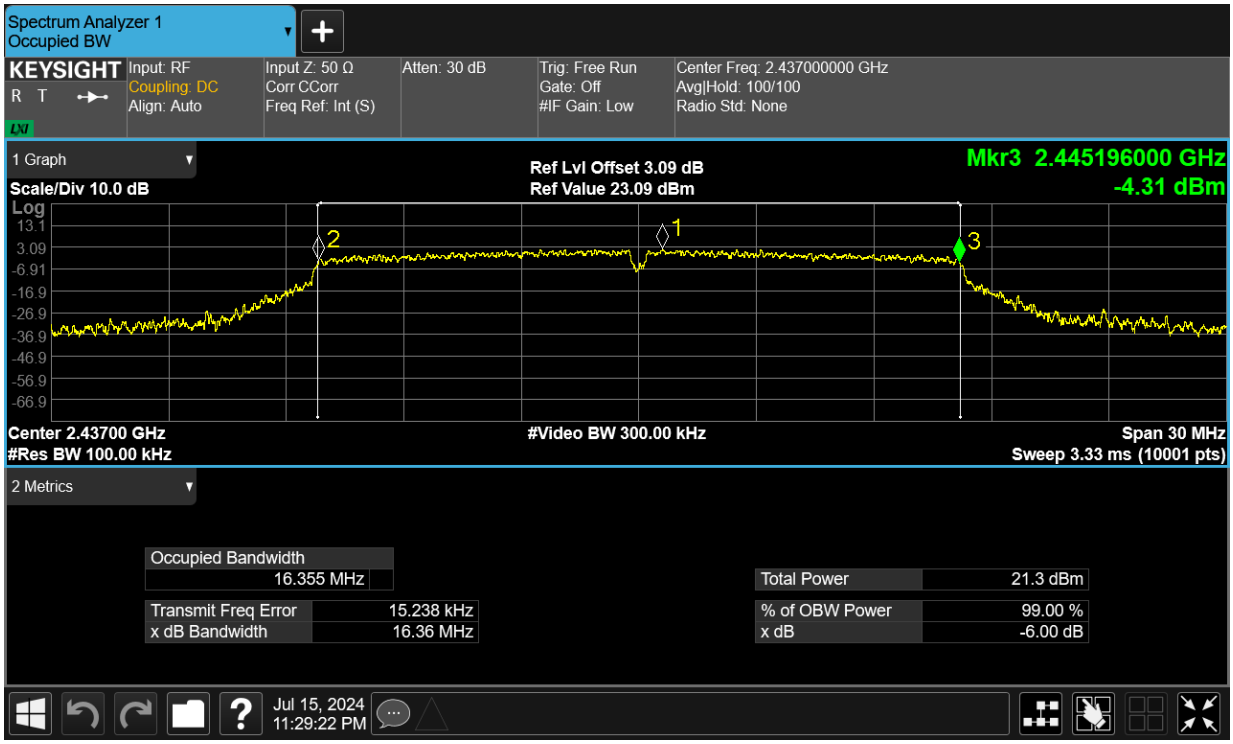
-6dB Bandwidth NVNT b 2462MHz ANT14



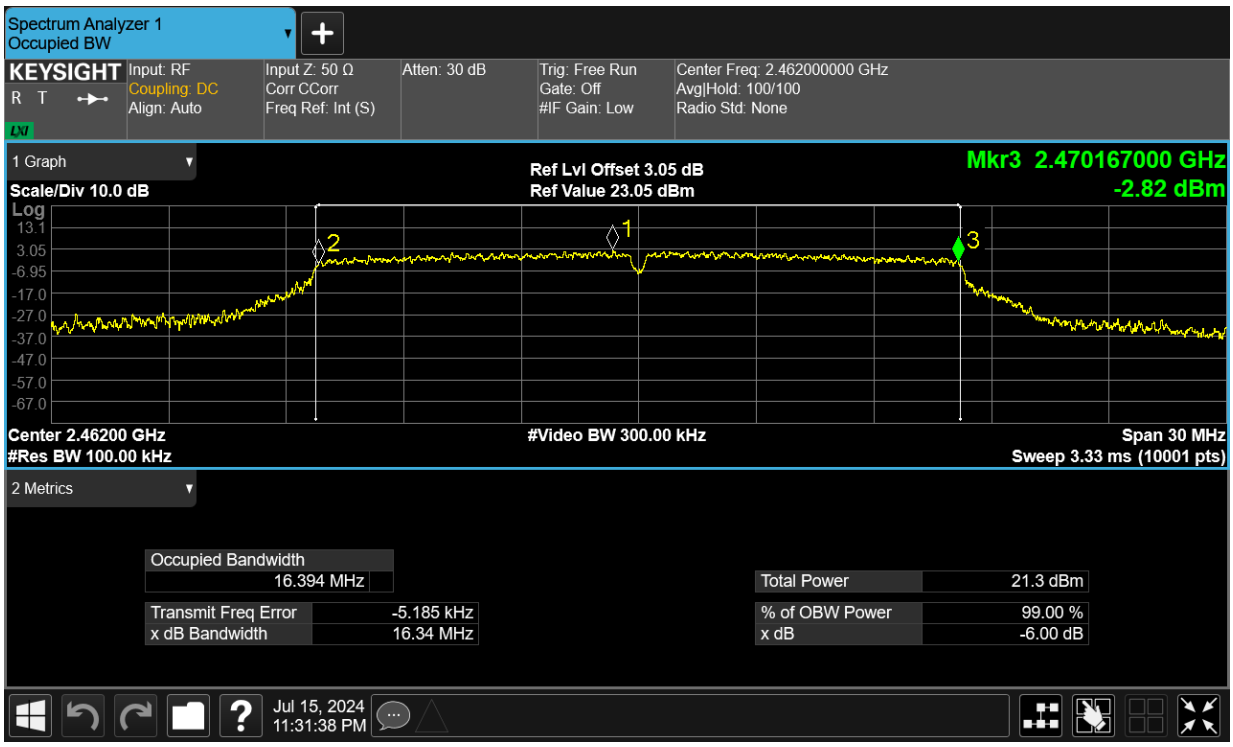
-6dB Bandwidth NVNT g 2412MHz ANT14



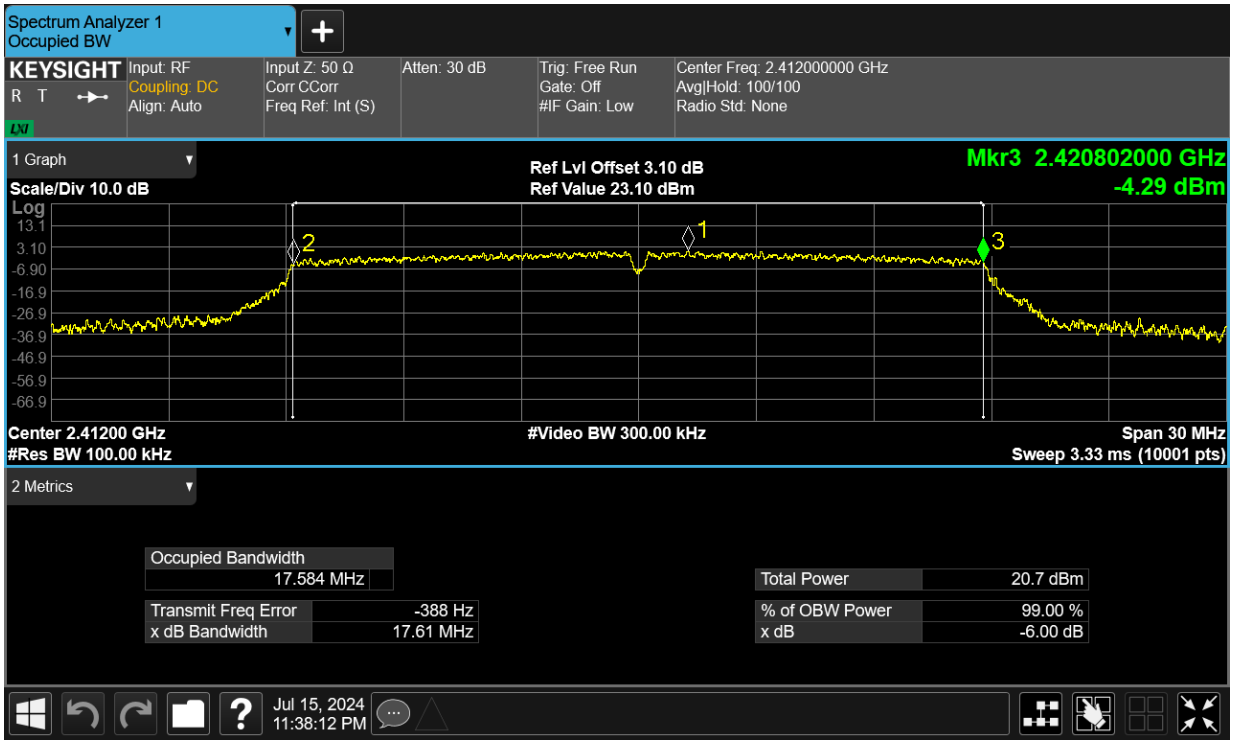
-6dB Bandwidth NVNT g 2437MHz ANT14



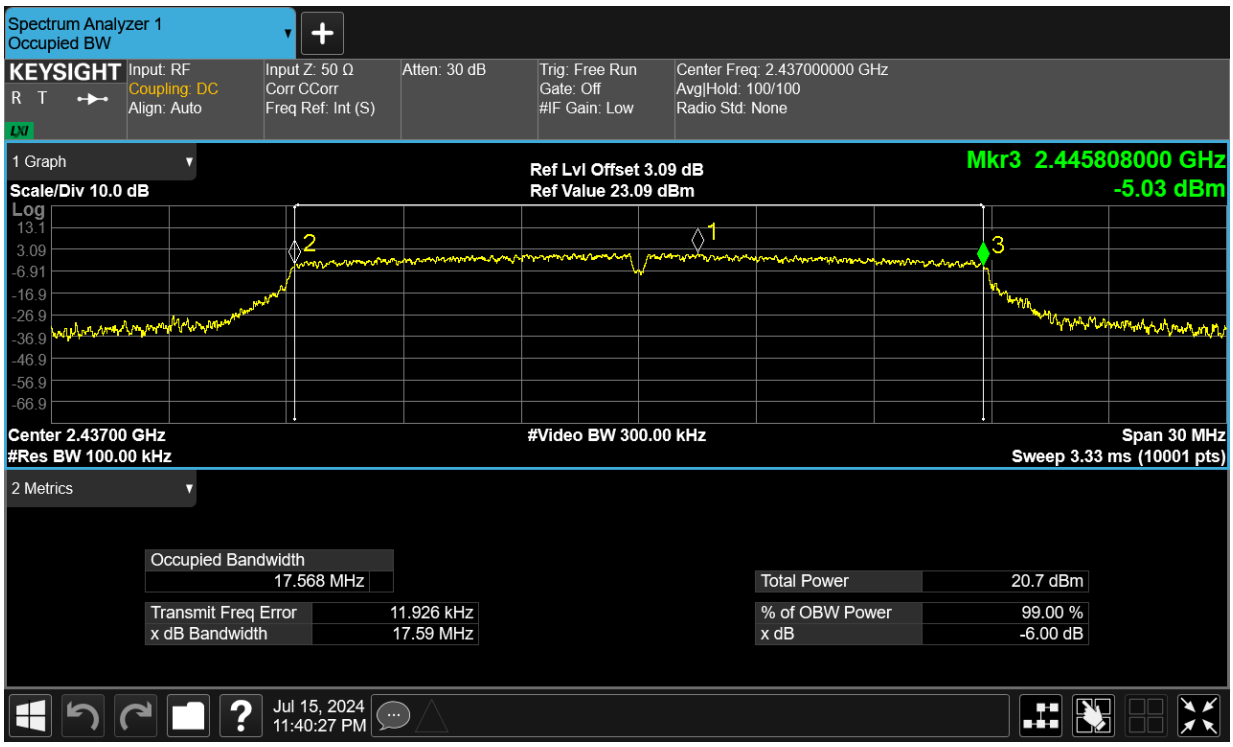
-6dB Bandwidth NVNT g 2462MHz ANT14



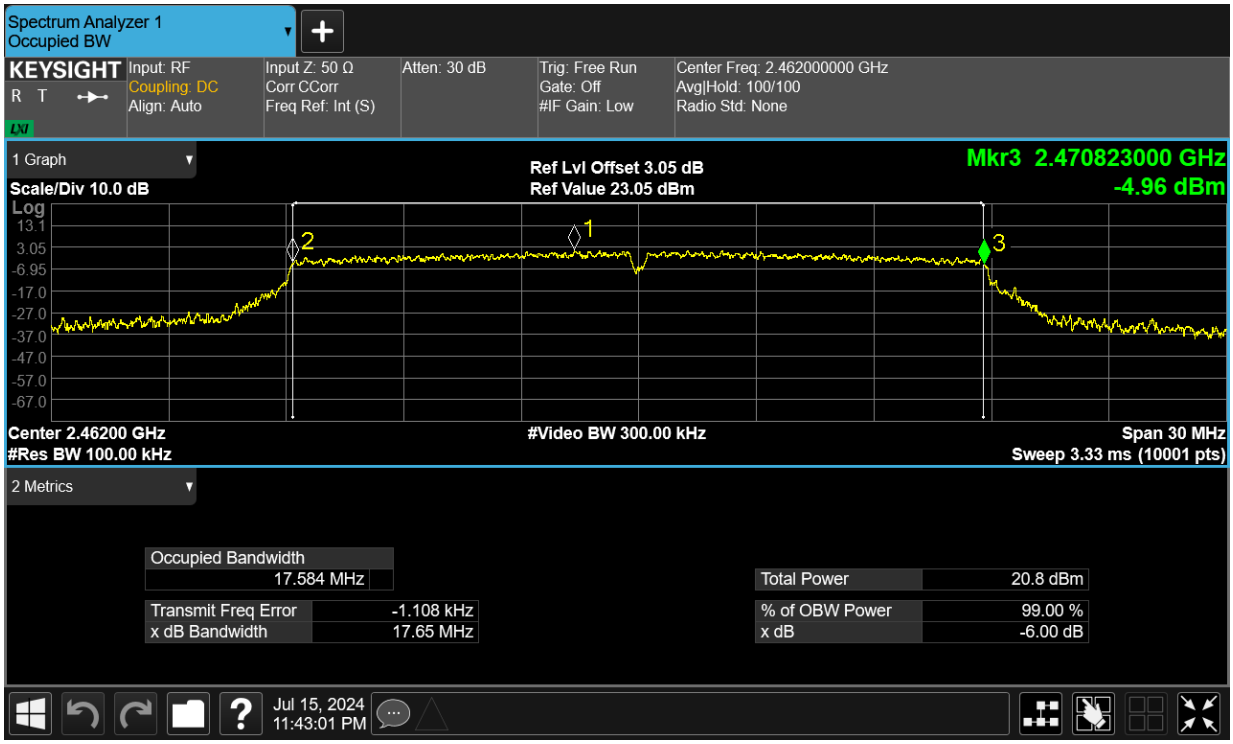
-6dB Bandwidth NVNT n20 2412MHz ANT14



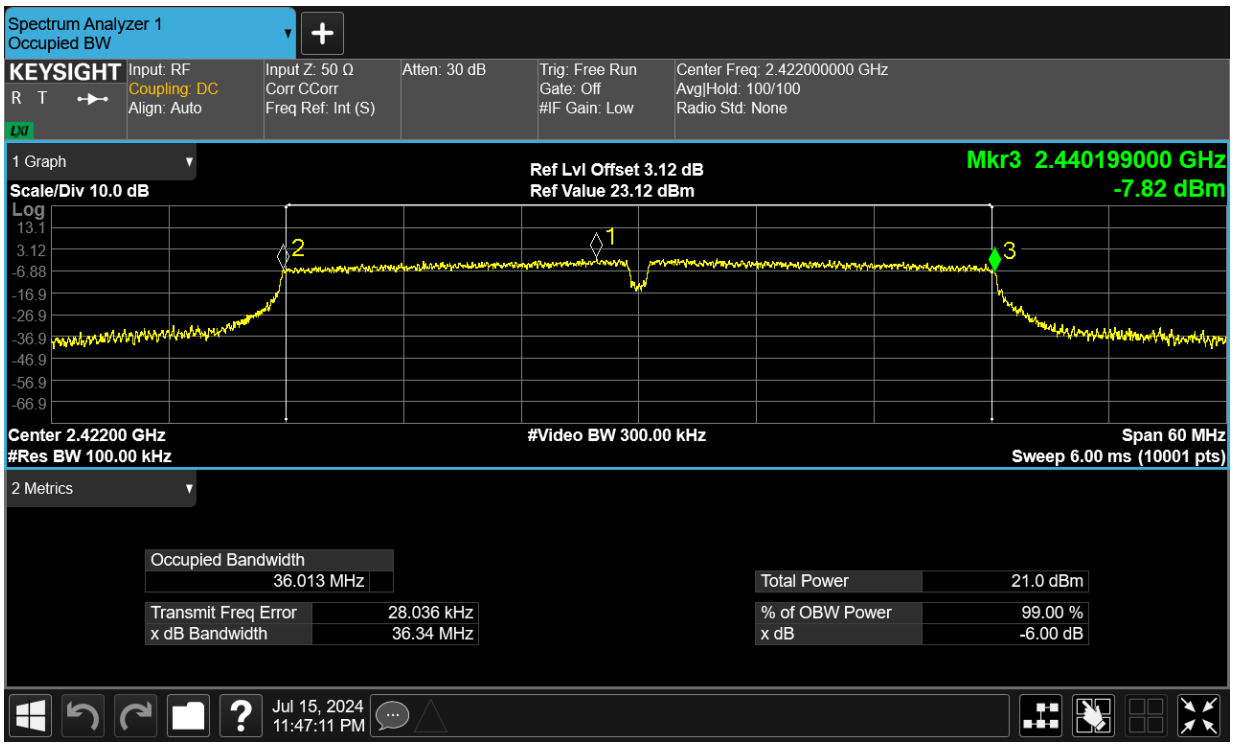
-6dB Bandwidth NVNT n20 2437MHz ANT14



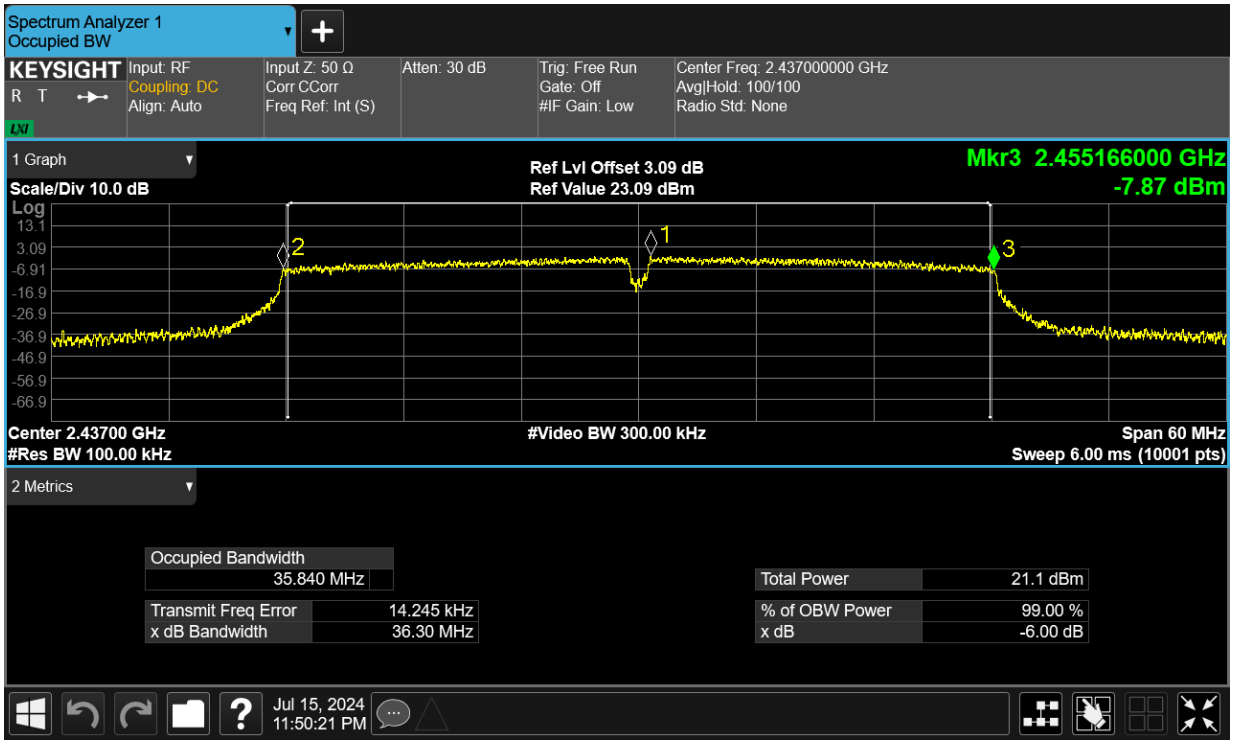
-6dB Bandwidth NVNT n20 2462MHz ANT14



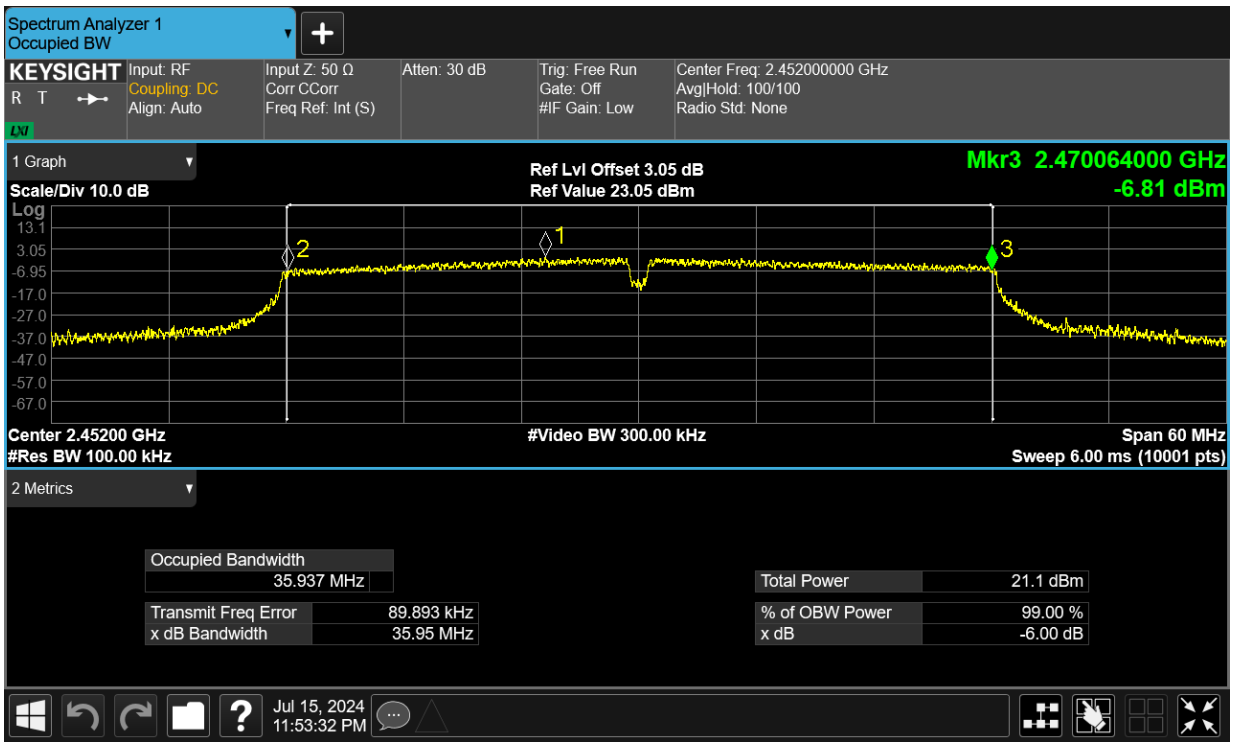
-6dB Bandwidth NVNT n40 2422MHz ANT14



-6dB Bandwidth NVNT n40 2437MHz ANT14



-6dB Bandwidth NVNT n40 2452MHz ANT14

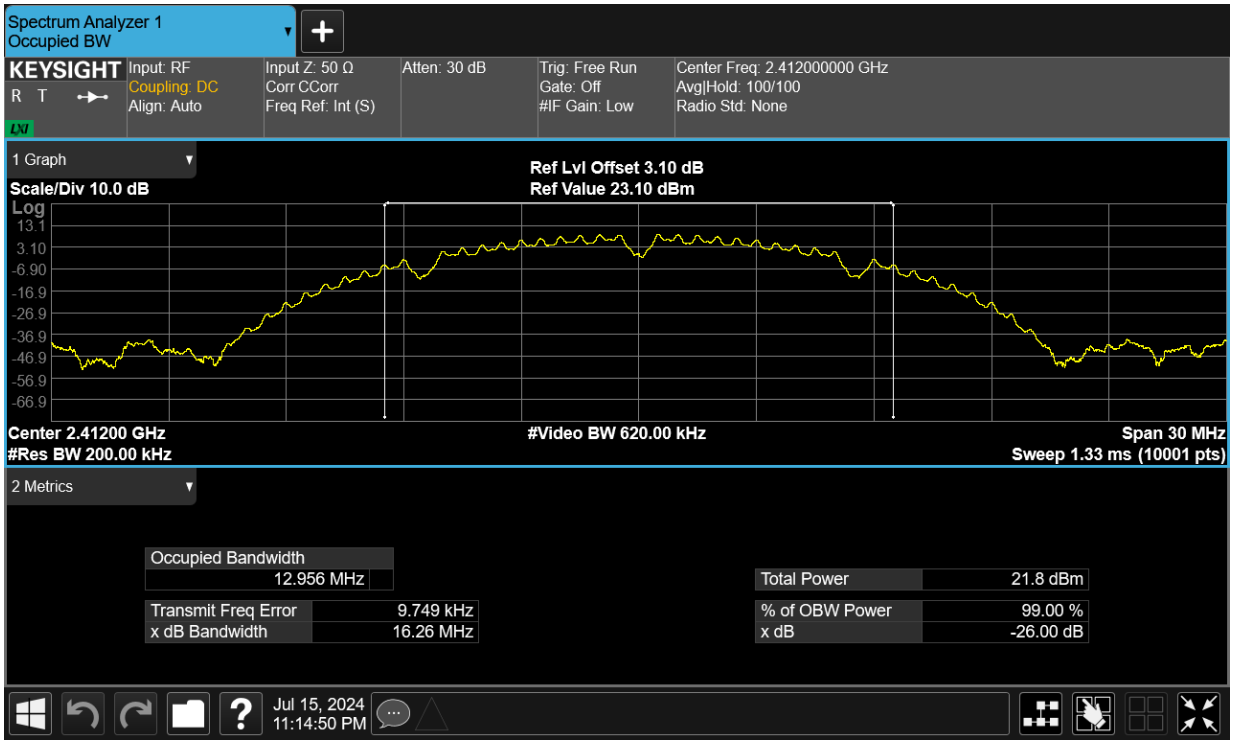


Occupied Channel Bandwidth

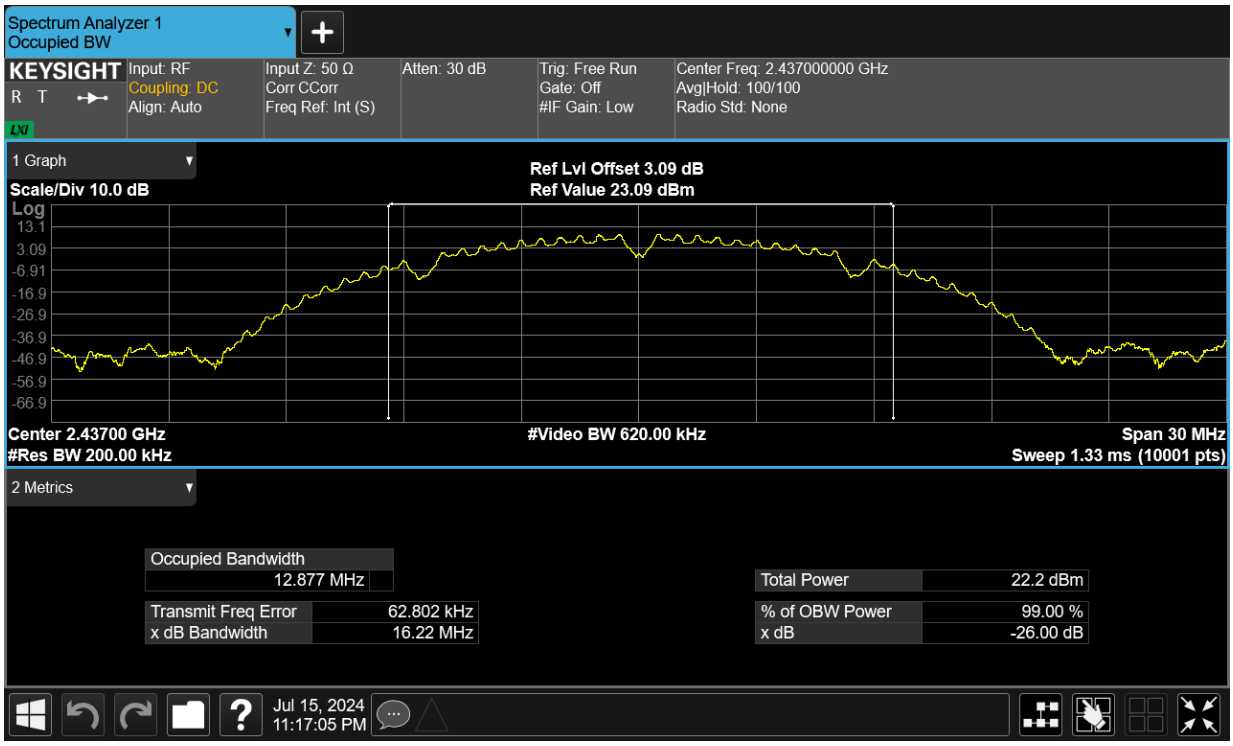
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	ANT14	12.956
NVNT	b	2437	ANT14	12.877
NVNT	b	2462	ANT14	13.059
NVNT	g	2412	ANT14	16.477
NVNT	g	2437	ANT14	16.446
NVNT	g	2462	ANT14	16.454
NVNT	n20	2412	ANT14	17.609
NVNT	n20	2437	ANT14	17.578
NVNT	n20	2462	ANT14	17.632
NVNT	n40	2422	ANT14	36.116
NVNT	n40	2437	ANT14	35.943
NVNT	n40	2452	ANT14	36.014

Test Graphs

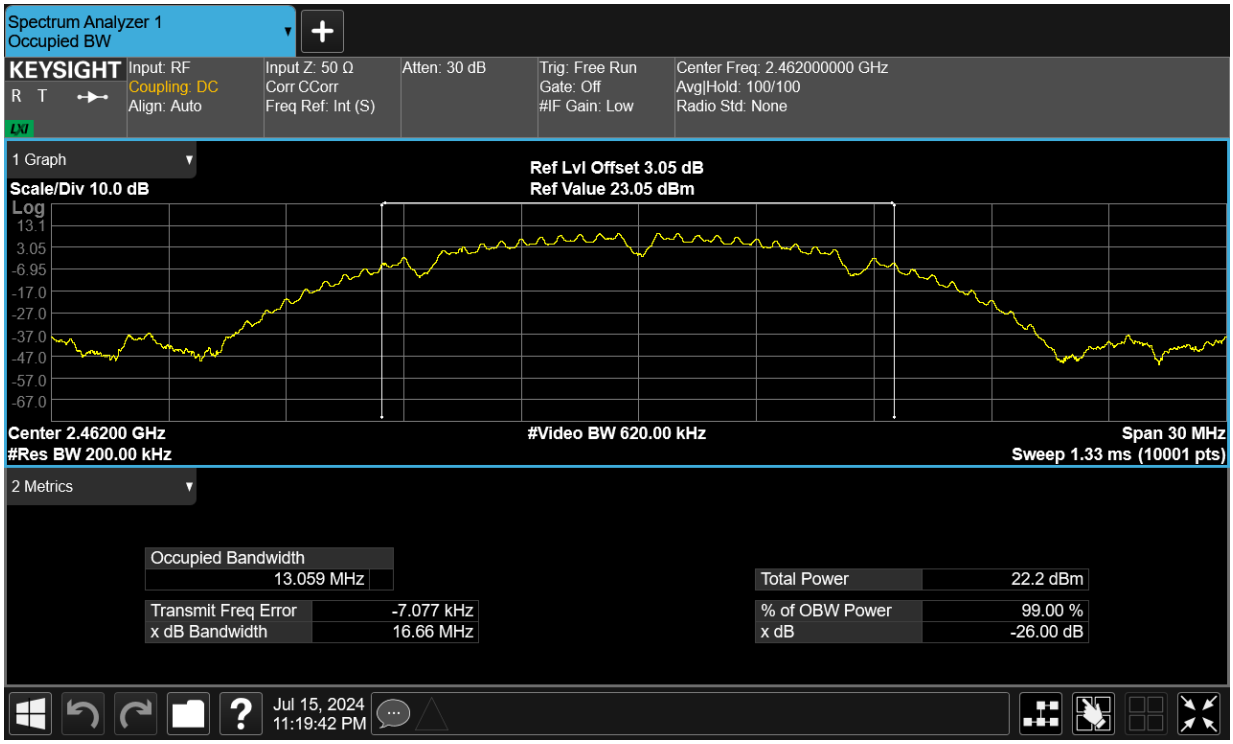
OBW NVNT b 2412MHz ANT14



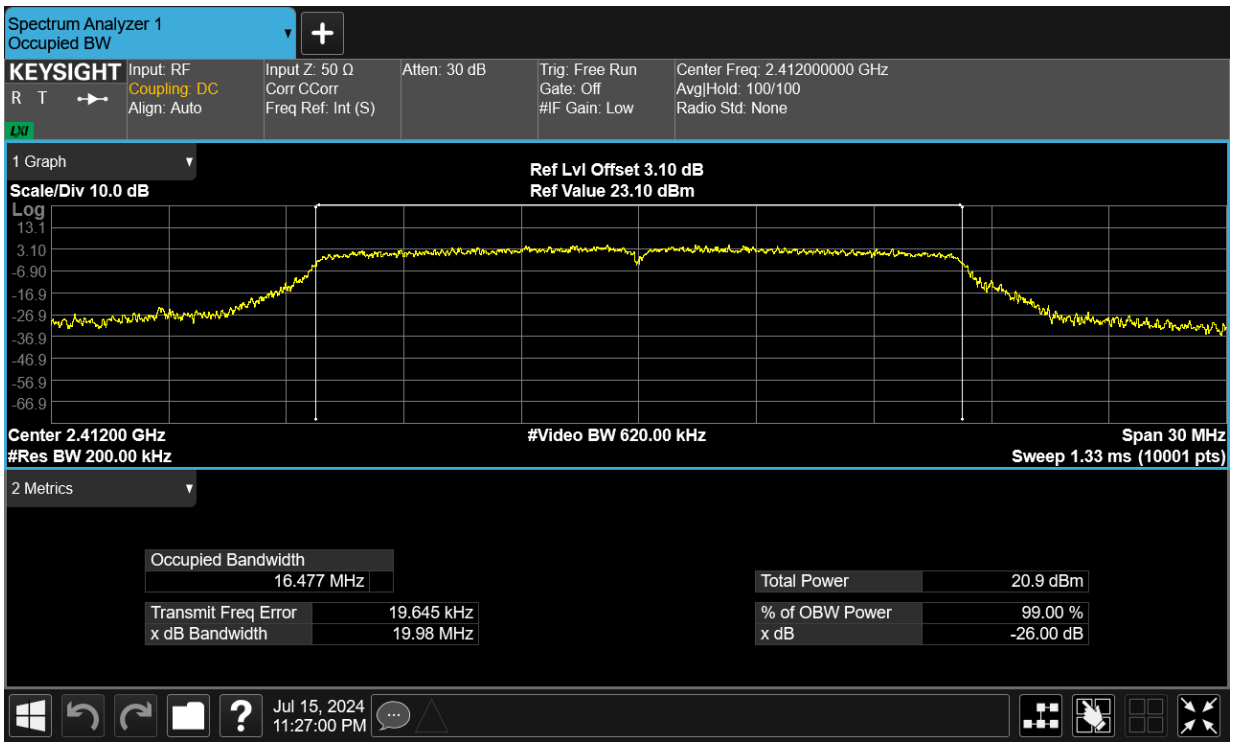
OBW NVNT b 2437MHz ANT14



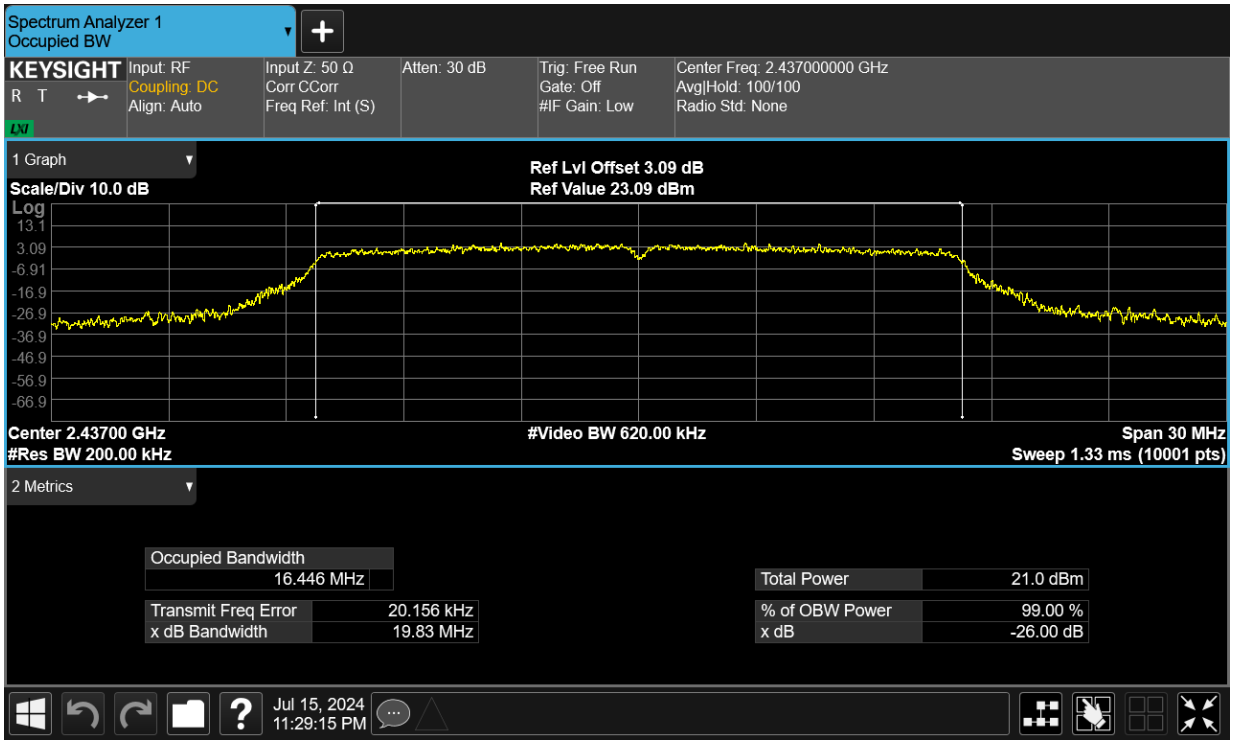
OBW NVNT b 2462MHz ANT14



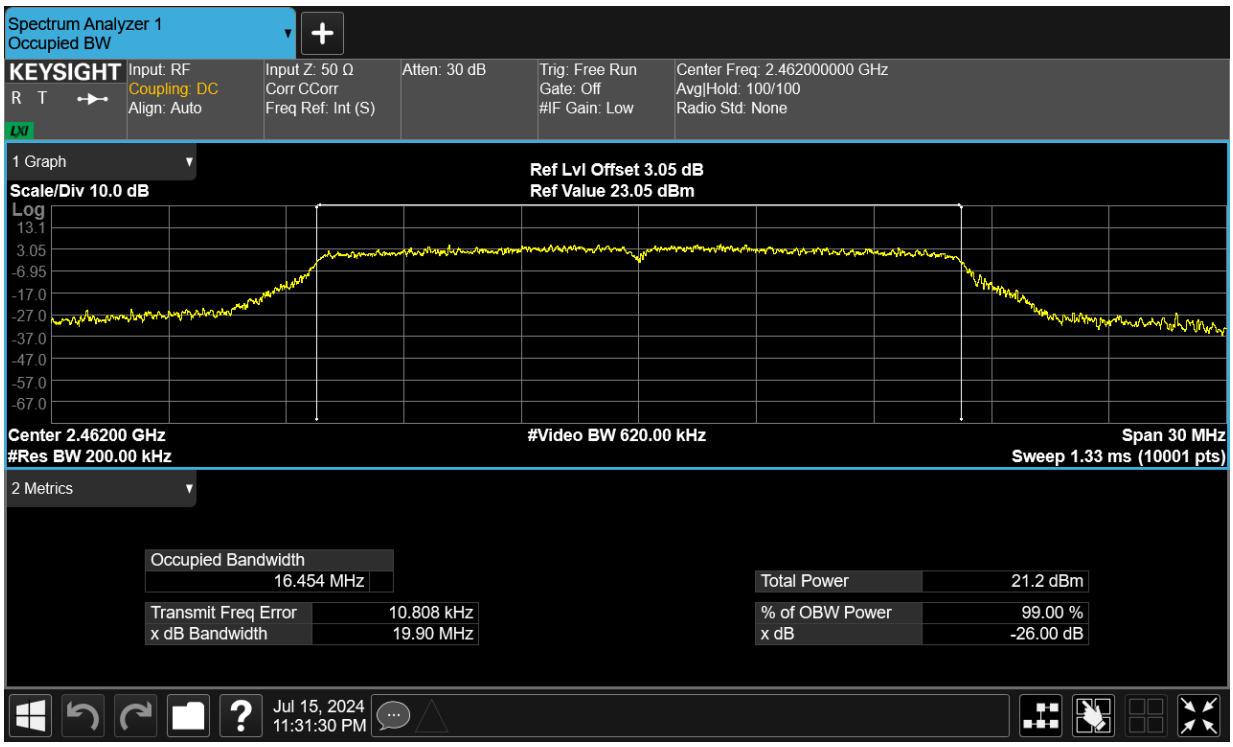
OBW NVNT g 2412MHz ANT14



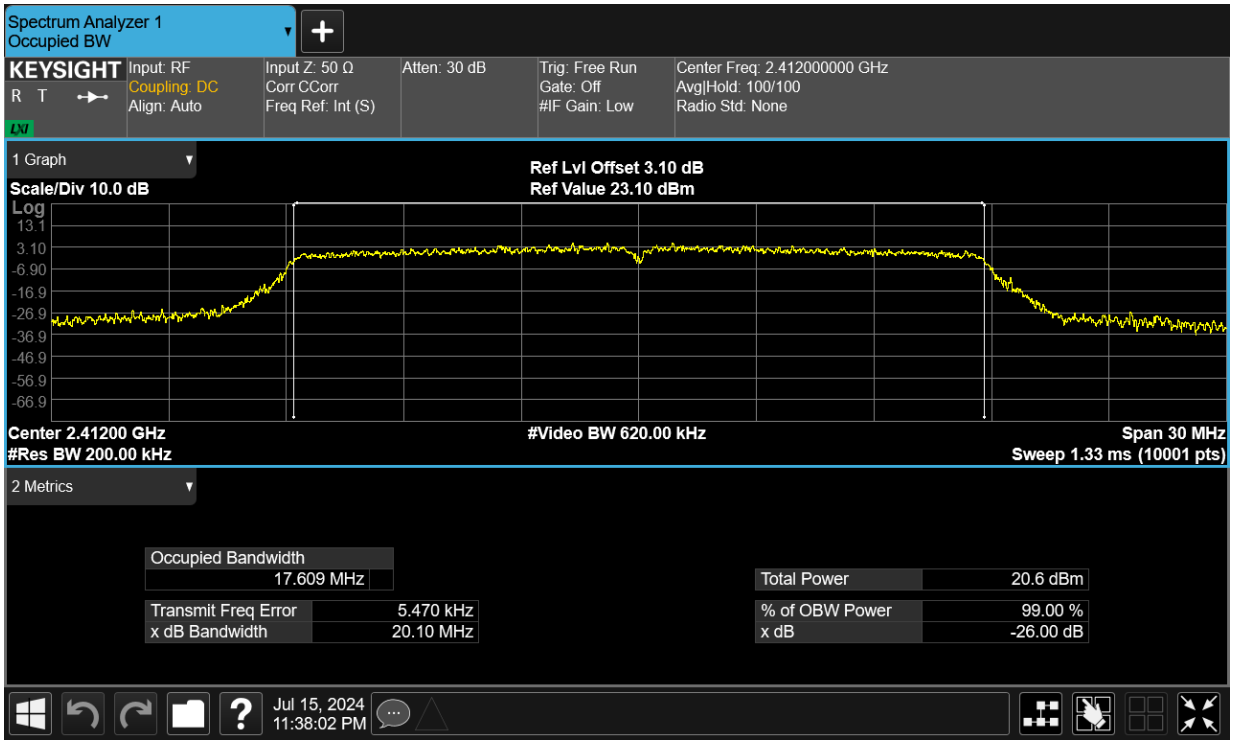
OBW NVNT g 2437MHz ANT14



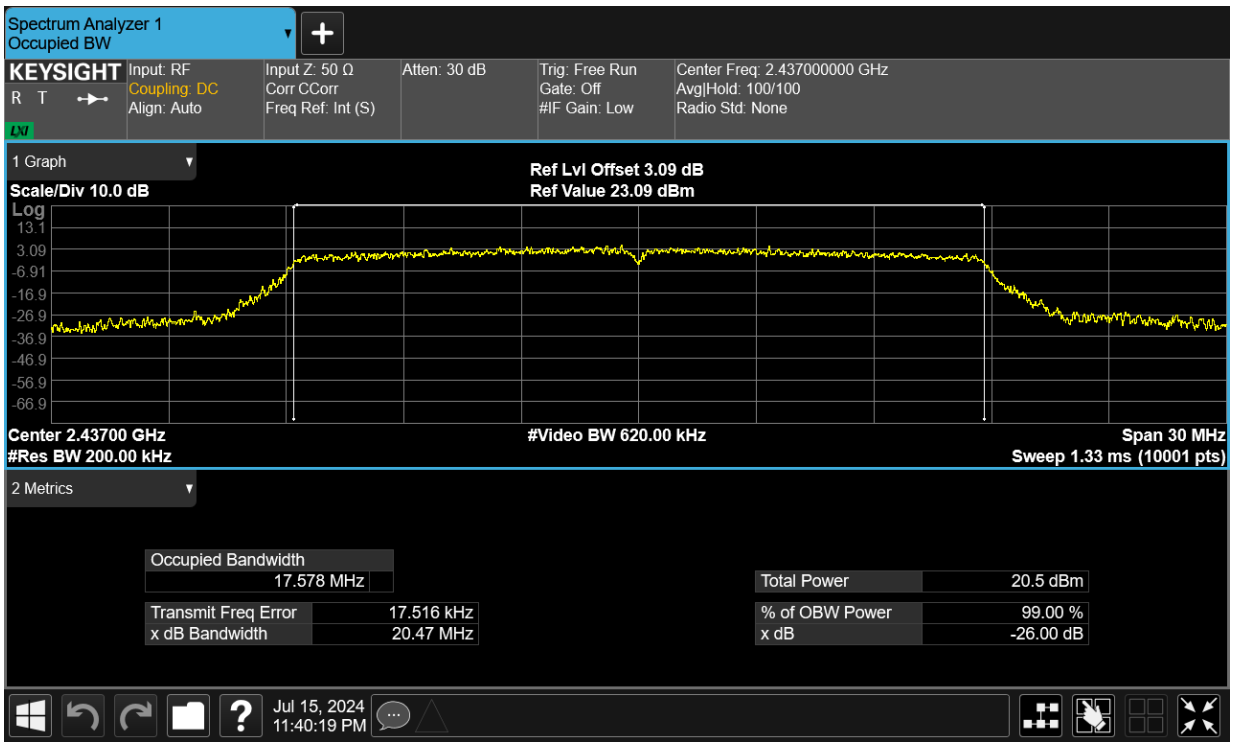
OBW NVNT g 2462MHz ANT14



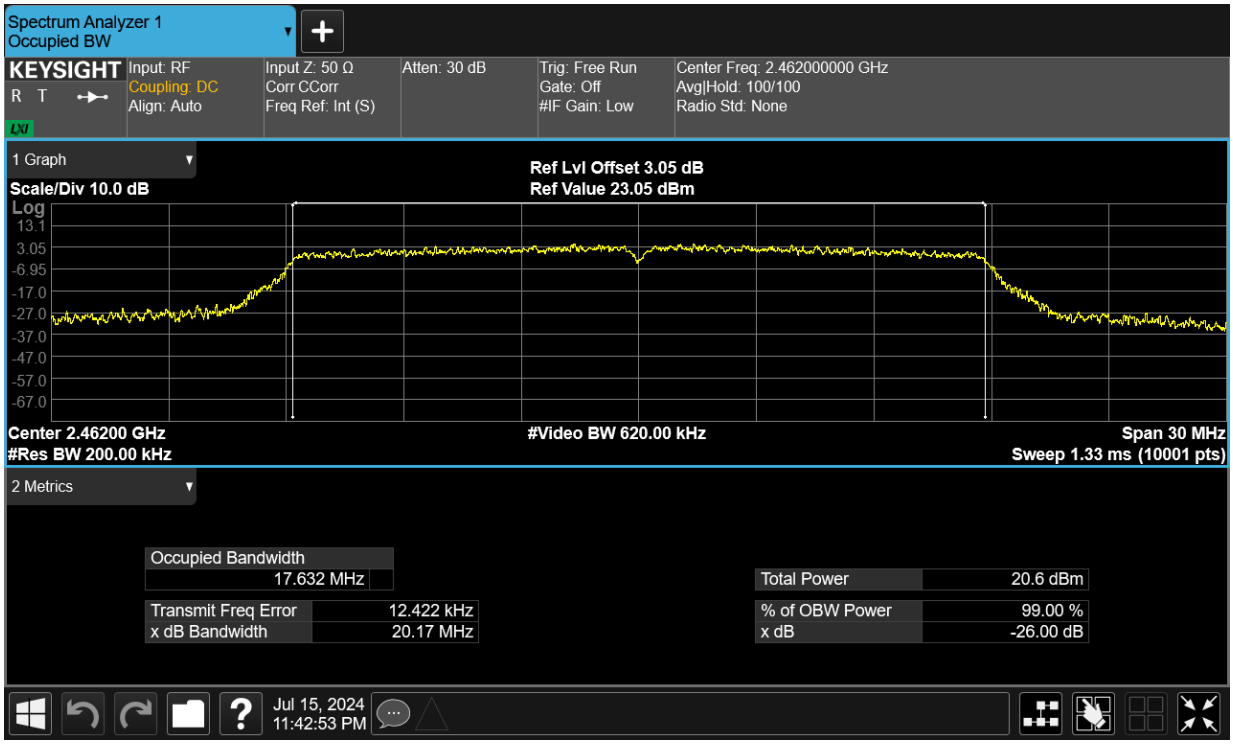
OBW NVNT n20 2412MHz ANT14



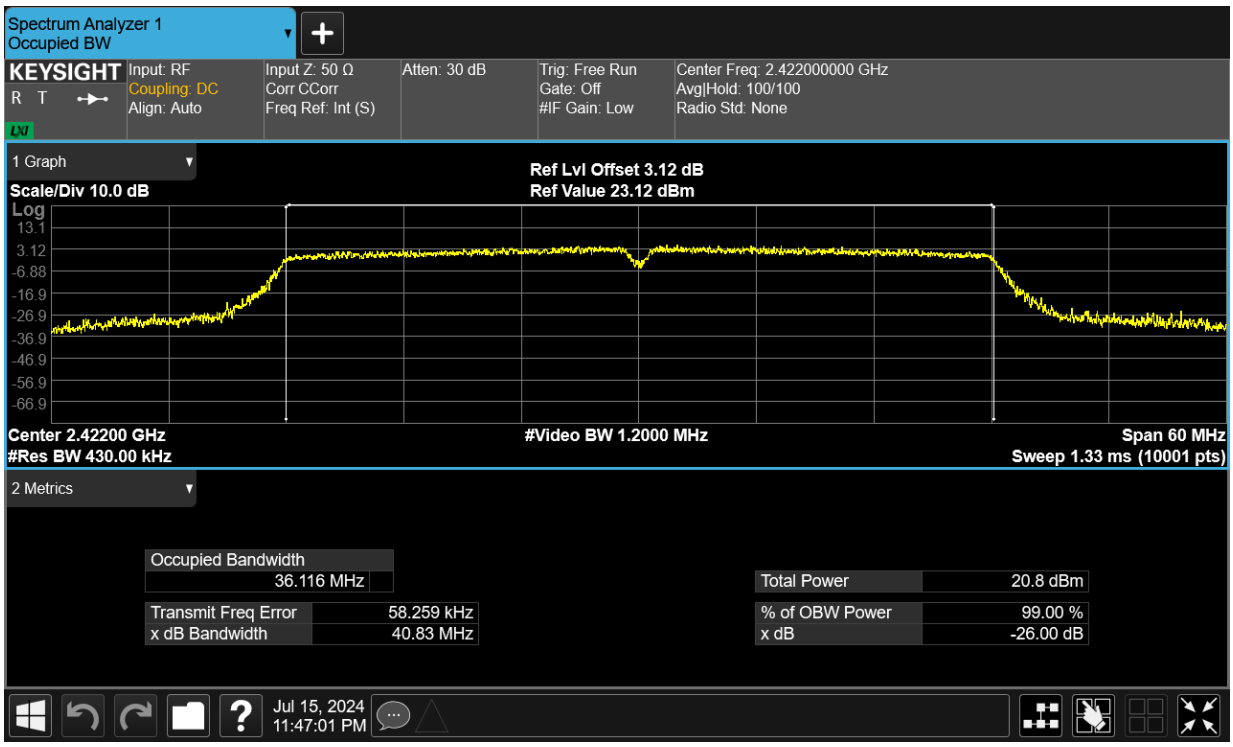
OBW NVNT n20 2437MHz ANT14



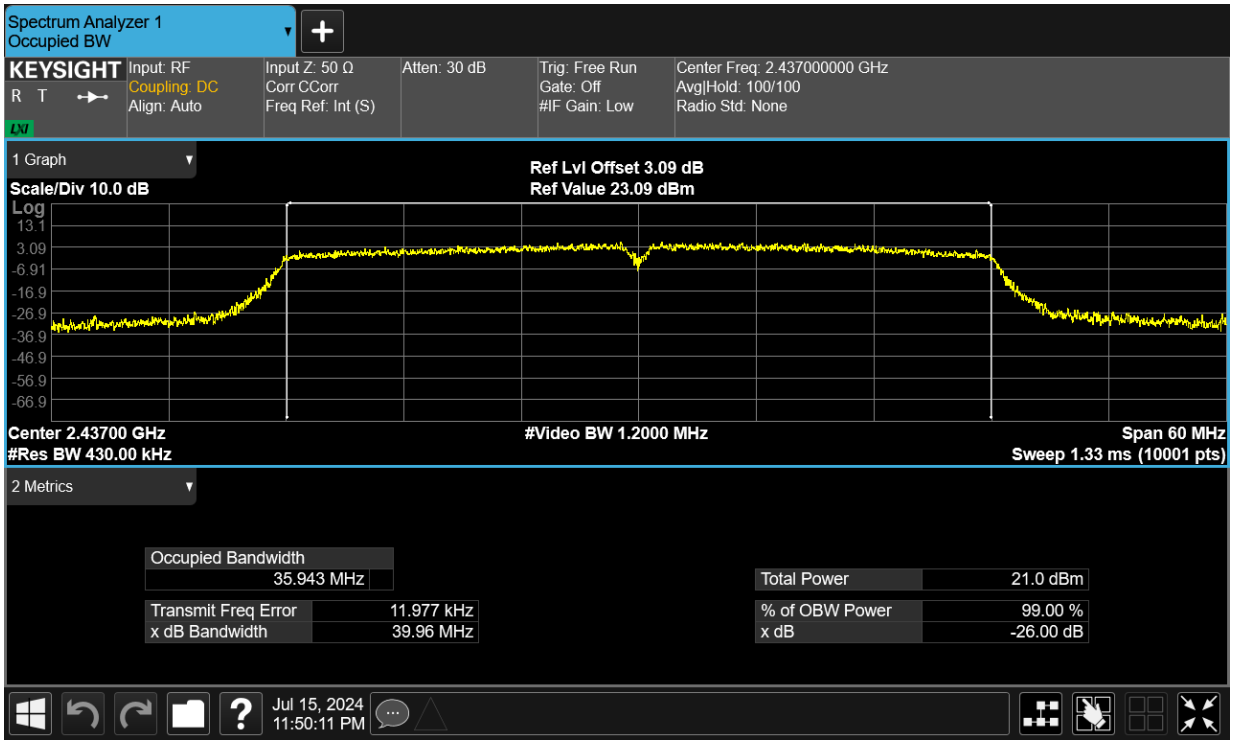
OBW NVNT n20 2462MHz ANT14



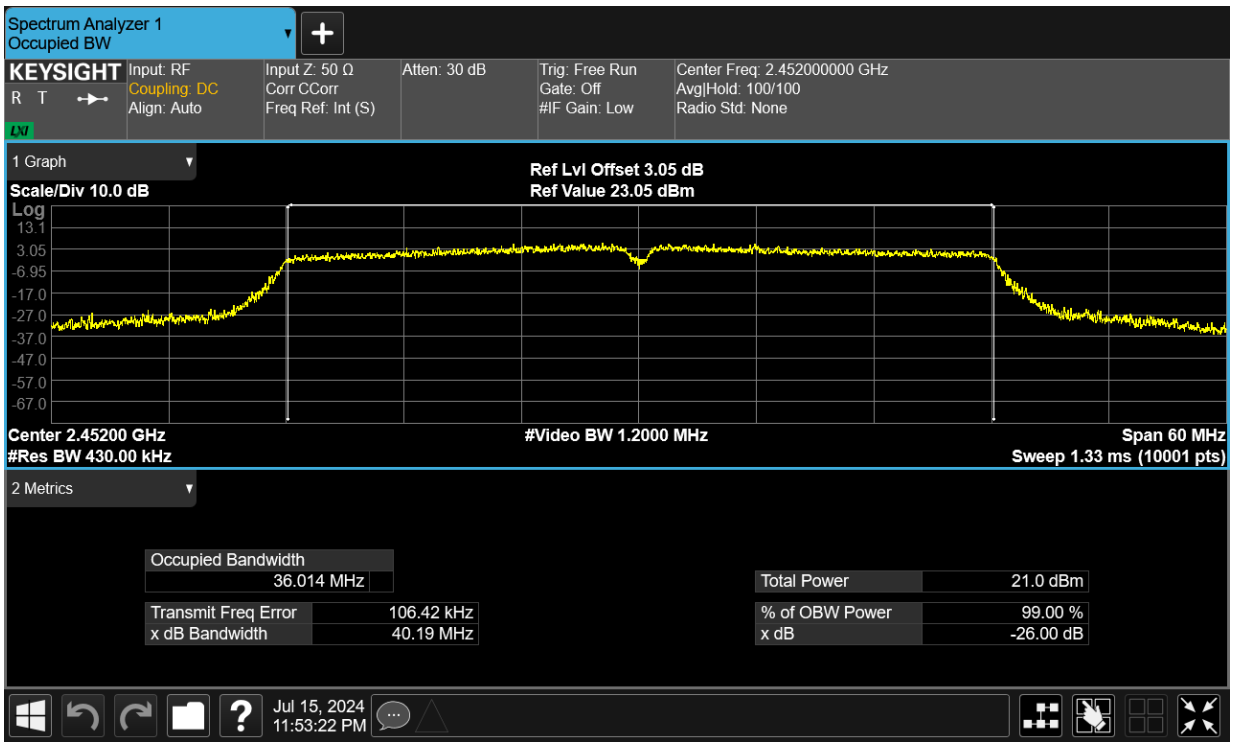
OBW NVNT n40 2422MHz ANT14



OBW NVNT n40 2437MHz ANT14



OBW NVNT n40 2452MHz ANT14

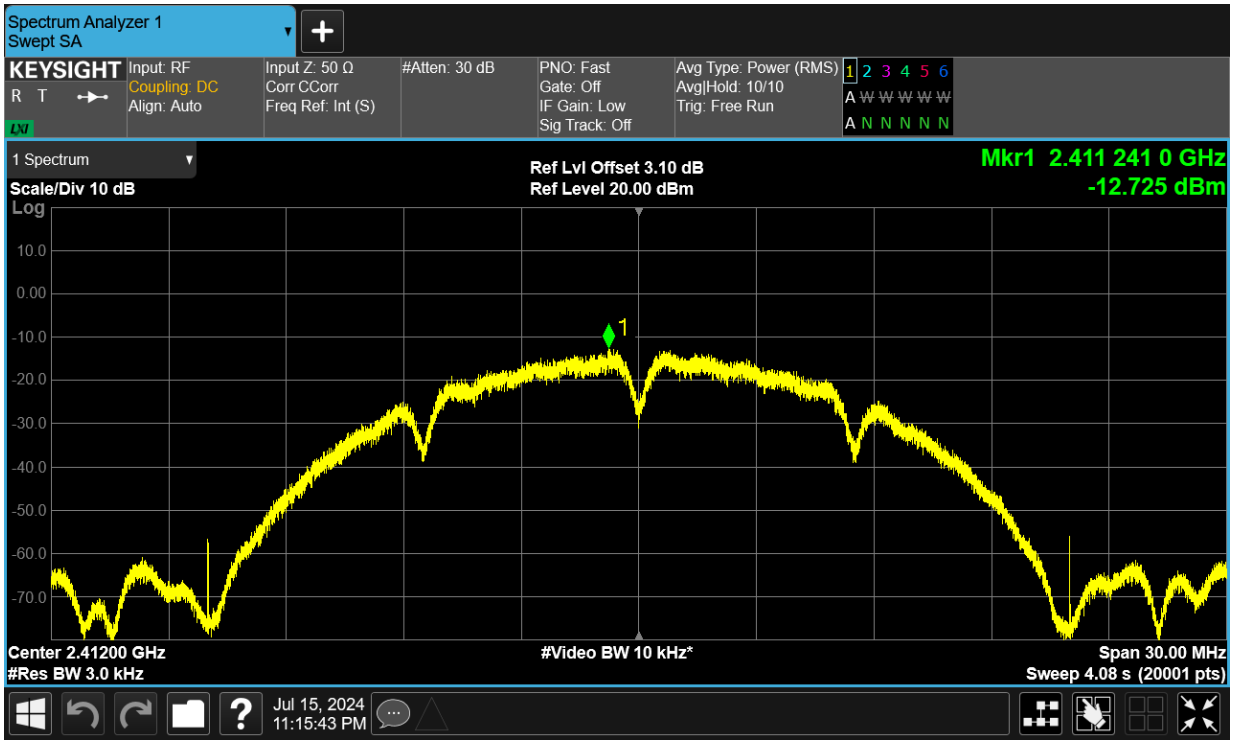


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	ANT14	-12.725	8	Pass
NVNT	b	2437	ANT14	-12.43	8	Pass
NVNT	b	2462	ANT14	-12.443	8	Pass
NVNT	g	2412	ANT14	-16.304	8	Pass
NVNT	g	2437	ANT14	-15.713	8	Pass
NVNT	g	2462	ANT14	-16.107	8	Pass
NVNT	n20	2412	ANT14	-16.582	8	Pass
NVNT	n20	2437	ANT14	-16.798	8	Pass
NVNT	n20	2462	ANT14	-16.853	8	Pass
NVNT	n40	2422	ANT14	-19.177	8	Pass
NVNT	n40	2437	ANT14	-19.052	8	Pass
NVNT	n40	2452	ANT14	-19.094	8	Pass

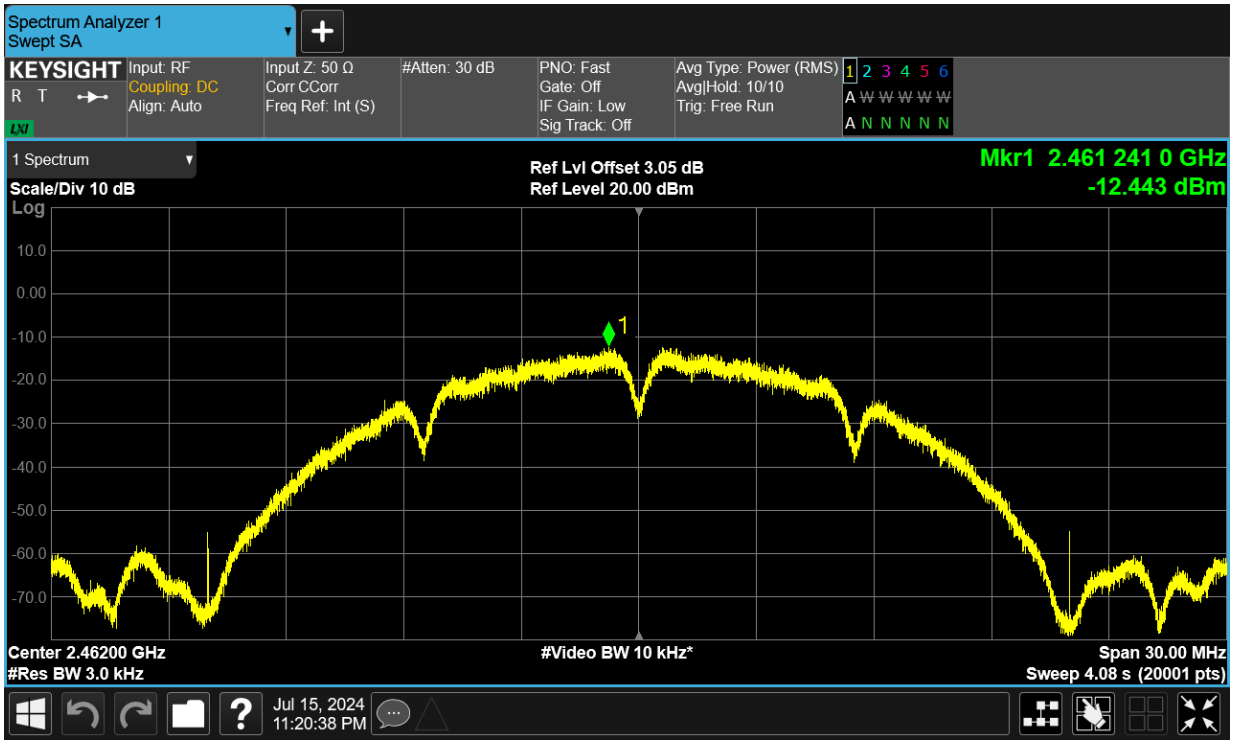
Test Graphs

PSD NVNT b 2412MHz ANT14

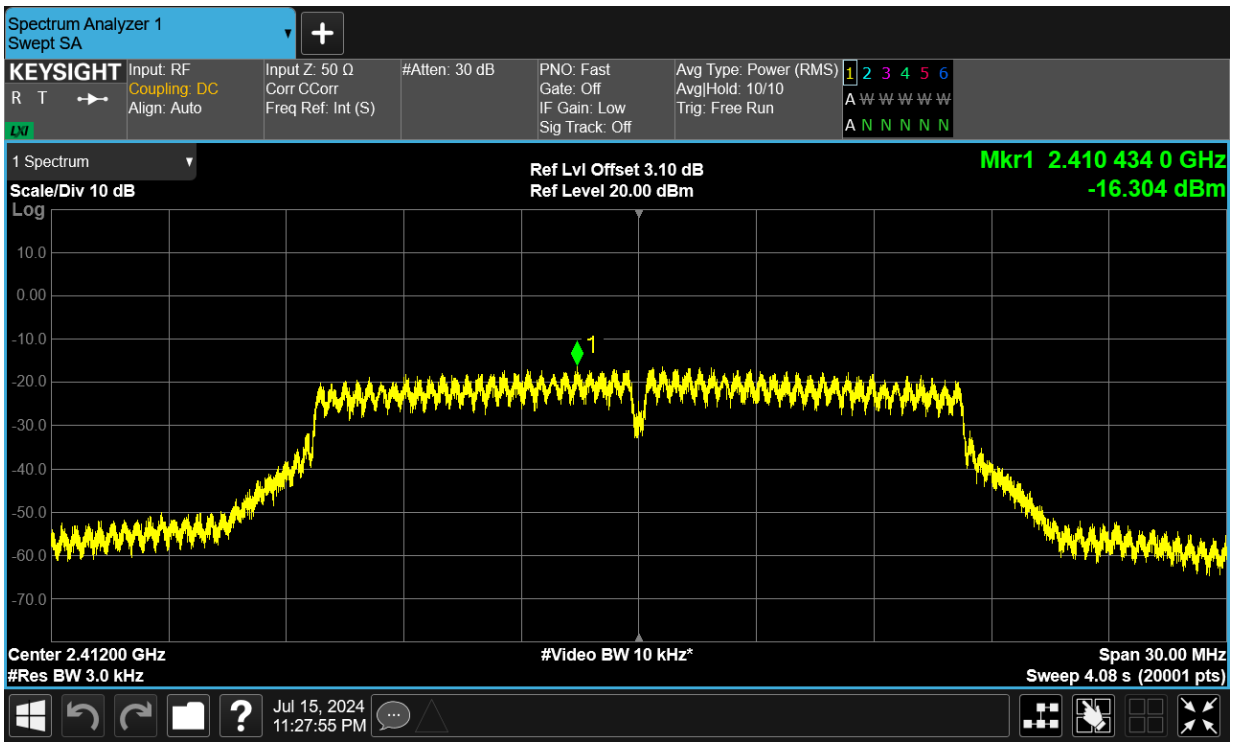


PSD NVNT b 2437MHz ANT14

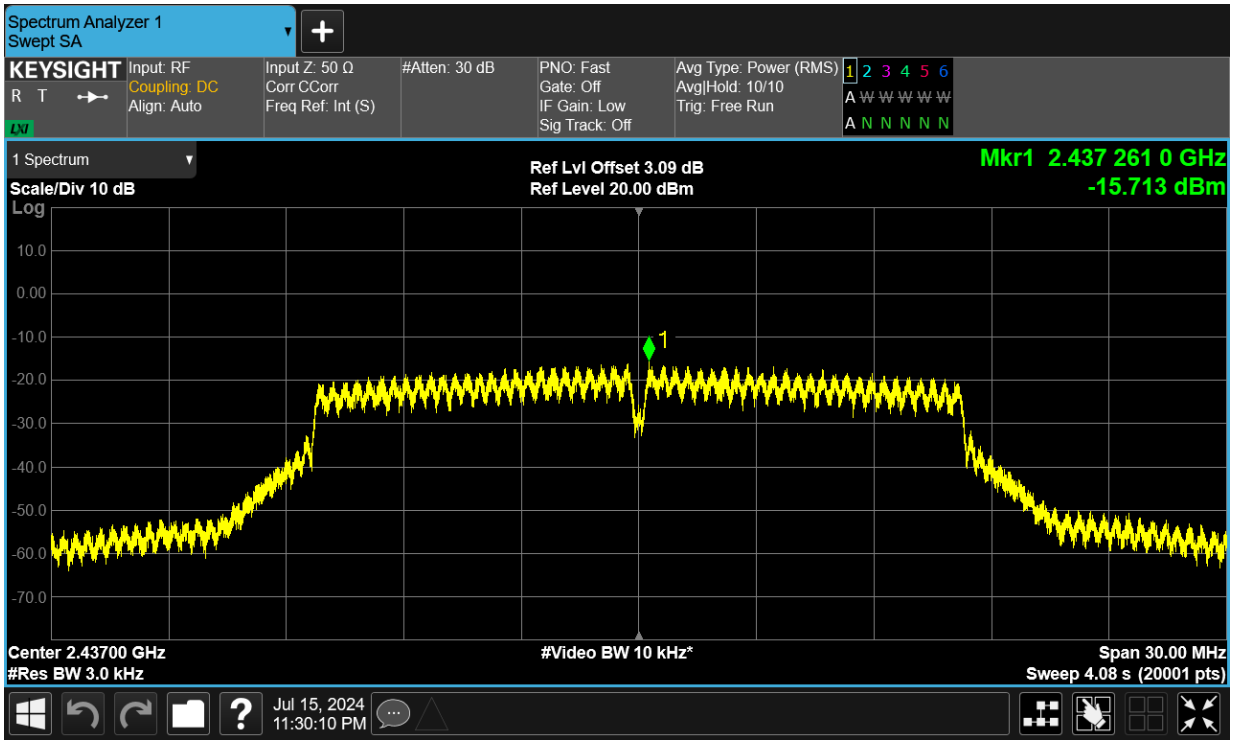
PSD NVNT b 2462MHz ANT14



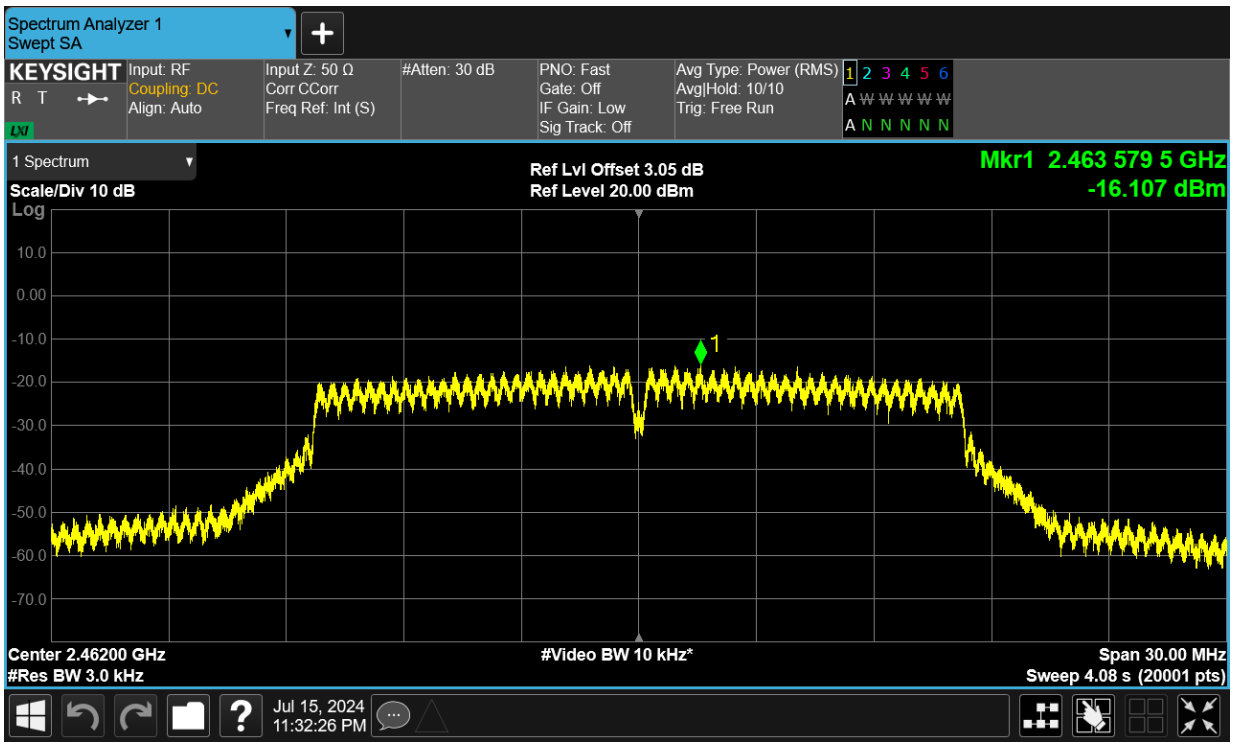
PSD NVNT g 2412MHz ANT14



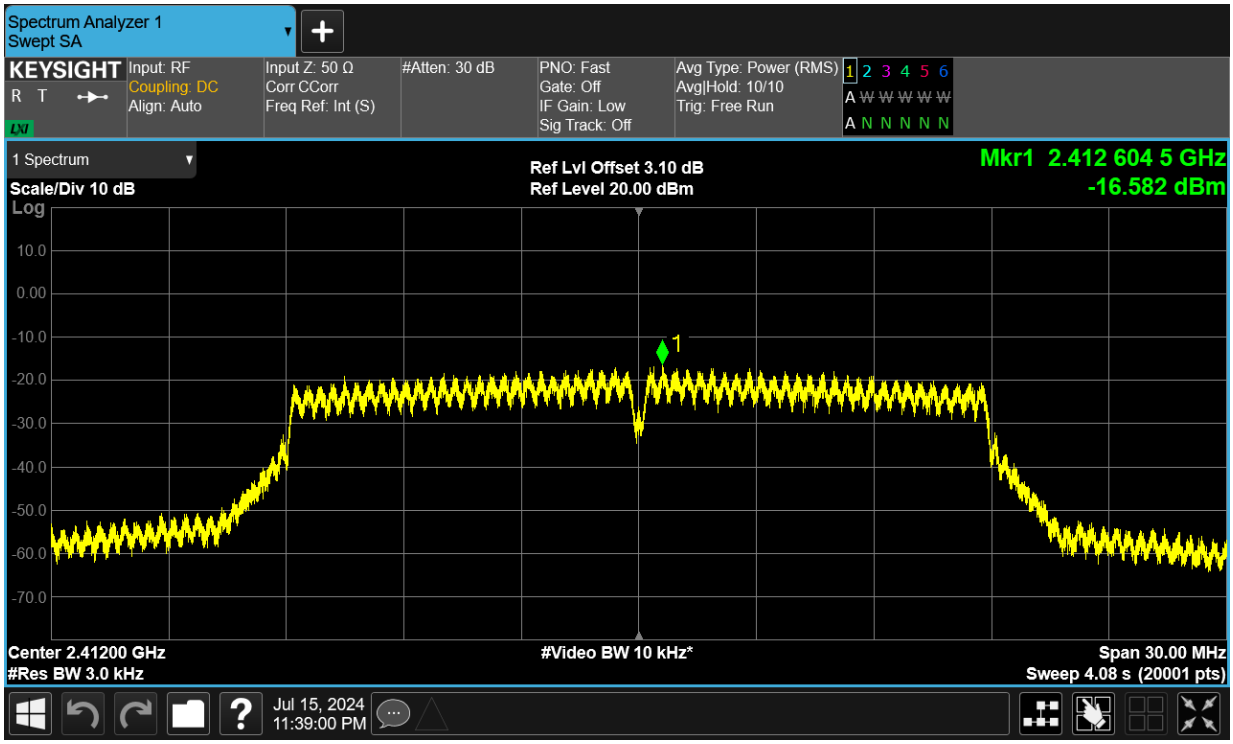
PSD NVNT g 2437MHz ANT14



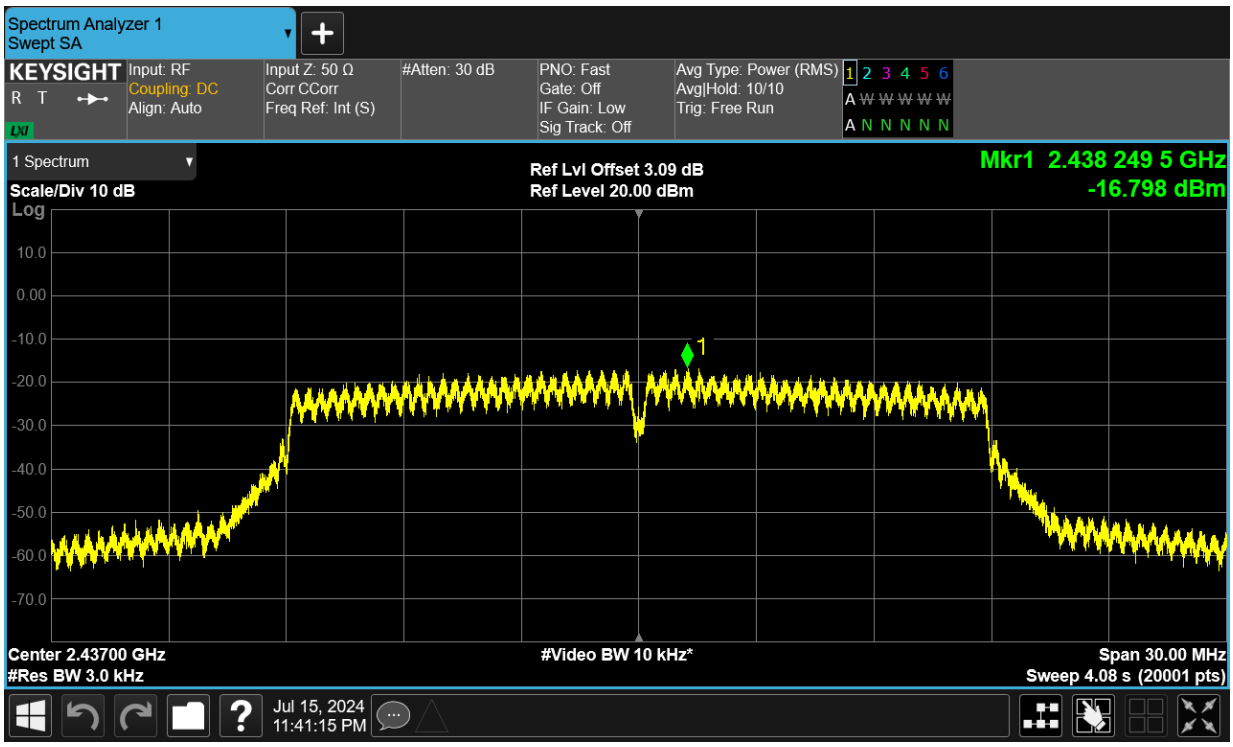
PSD NVNT g 2462MHz ANT14



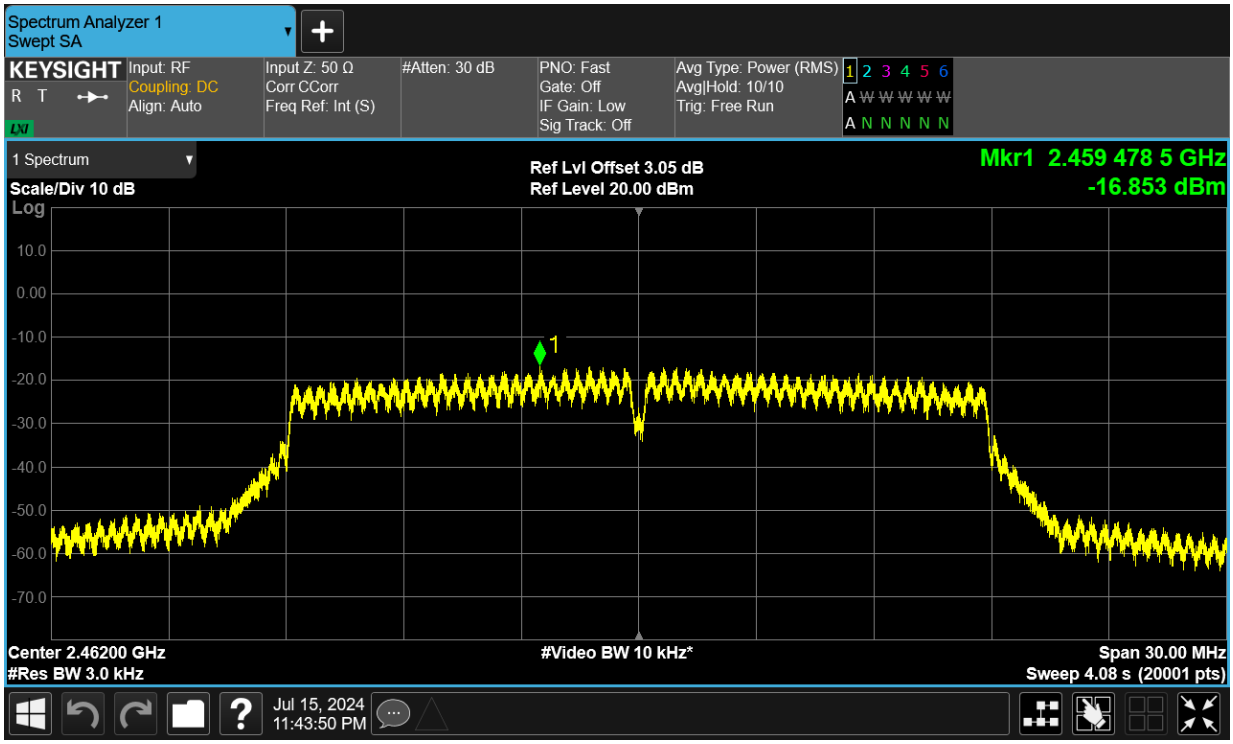
PSD NVNT n20 2412MHz ANT14



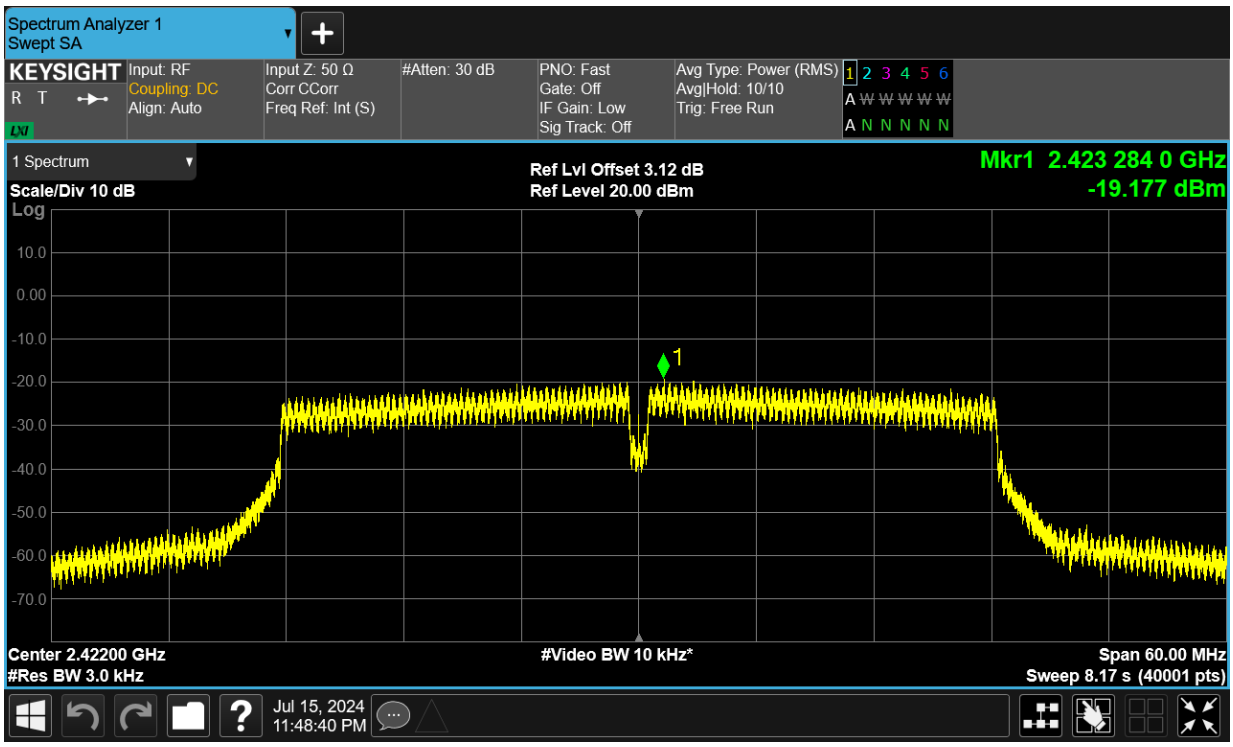
PSD NVNT n20 2437MHz ANT14



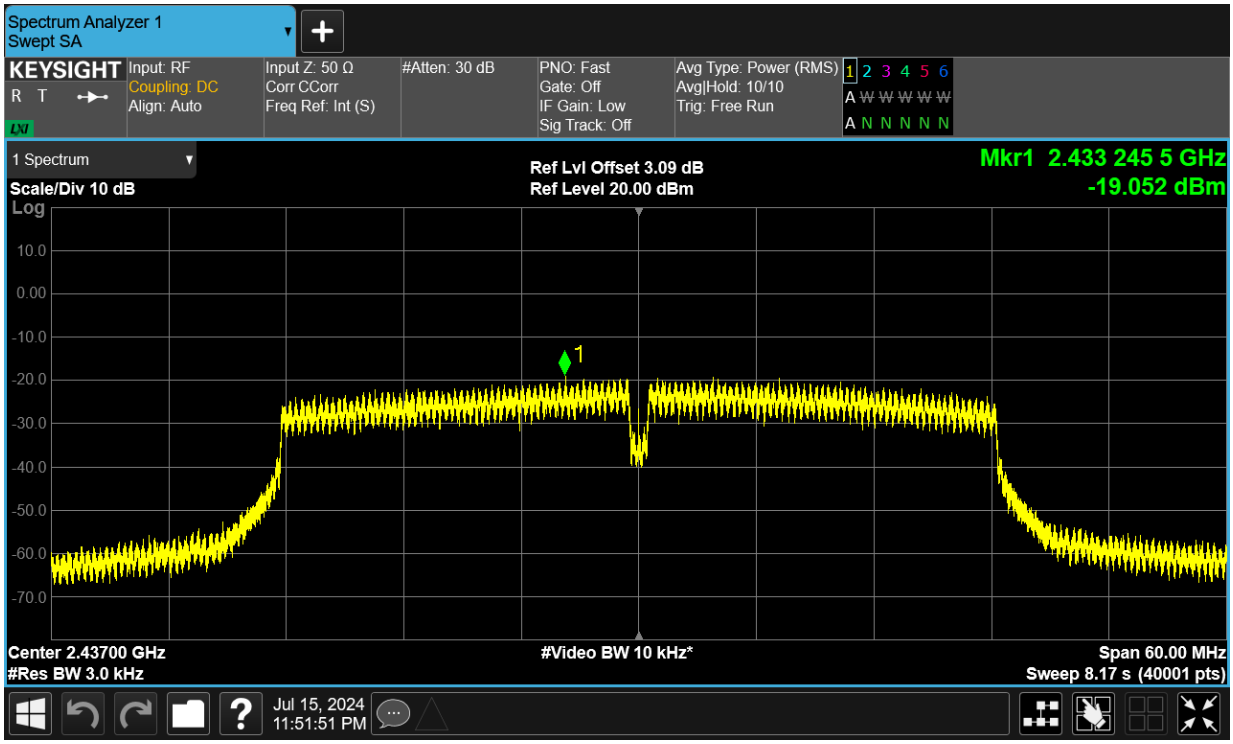
PSD NVNT n20 2462MHz ANT14



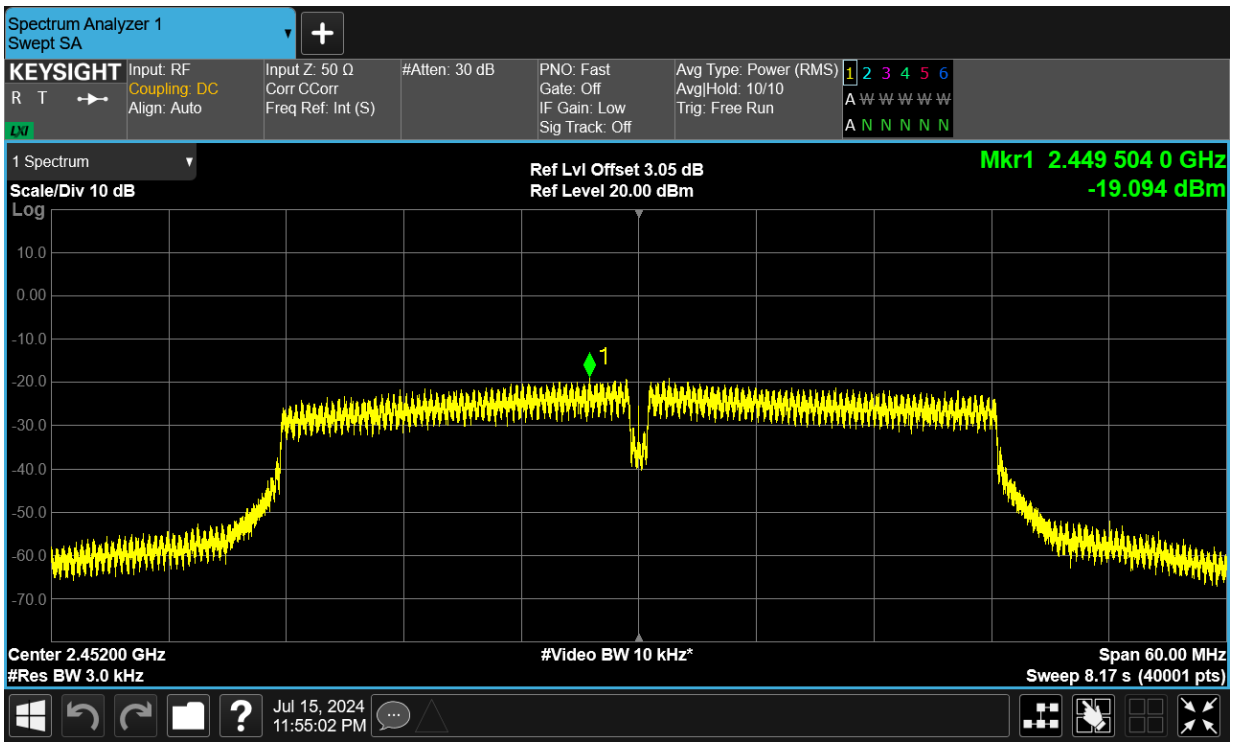
PSD NVNT n40 2422MHz ANT14



PSD NVNT n40 2437MHz ANT14



PSD NVNT n40 2452MHz ANT14

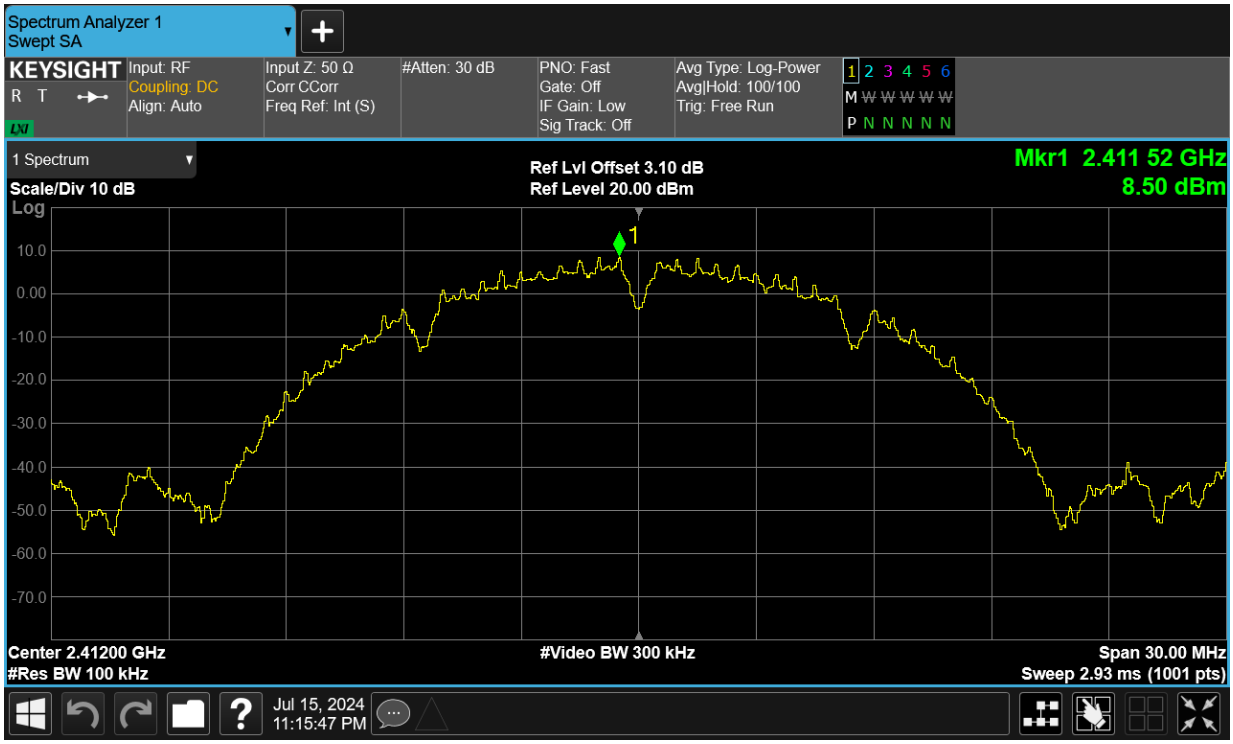


Band Edge

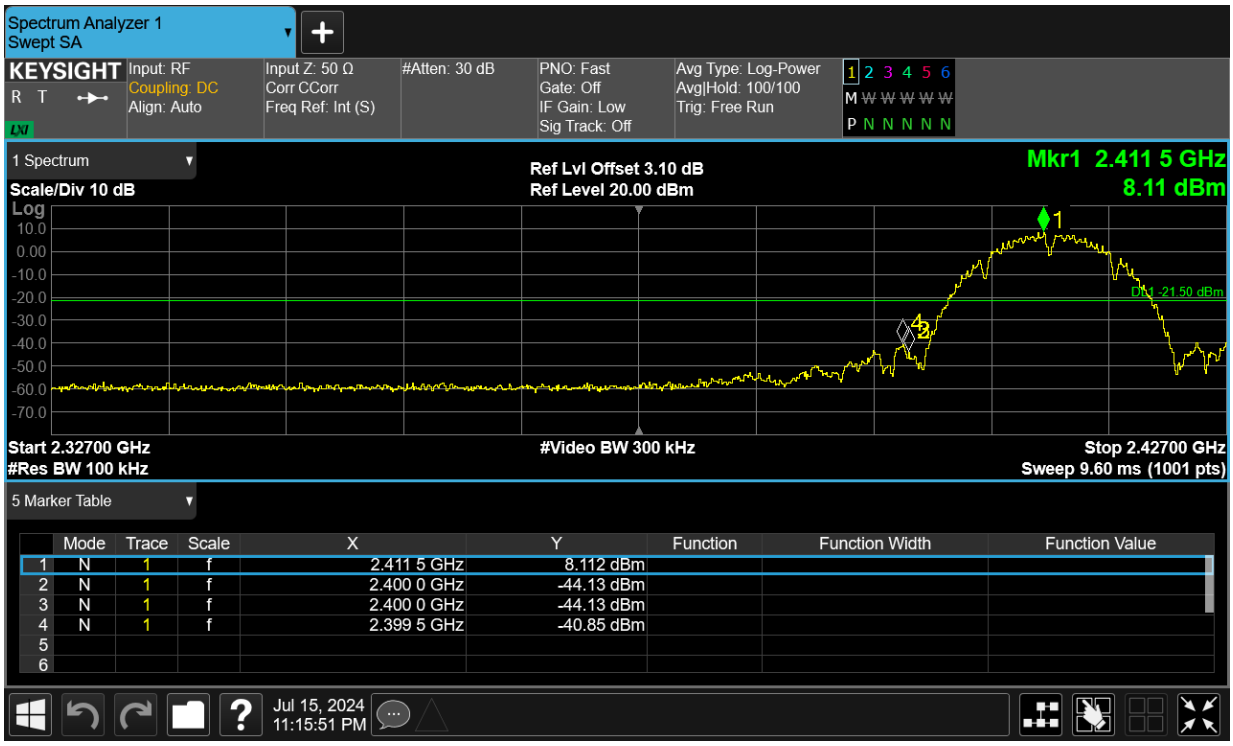
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT14	-49.35	-30	Pass
NVNT	b	2462	ANT14	-61.1	-30	Pass
NVNT	g	2412	ANT14	-30.57	-30	Pass
NVNT	g	2462	ANT14	-49.96	-30	Pass
NVNT	n20	2412	ANT14	-31.52	-30	Pass
NVNT	n20	2462	ANT14	-48.74	-30	Pass
NVNT	n40	2422	ANT14	-31.43	-30	Pass
NVNT	n40	2452	ANT14	-37.08	-30	Pass

Test Graphs

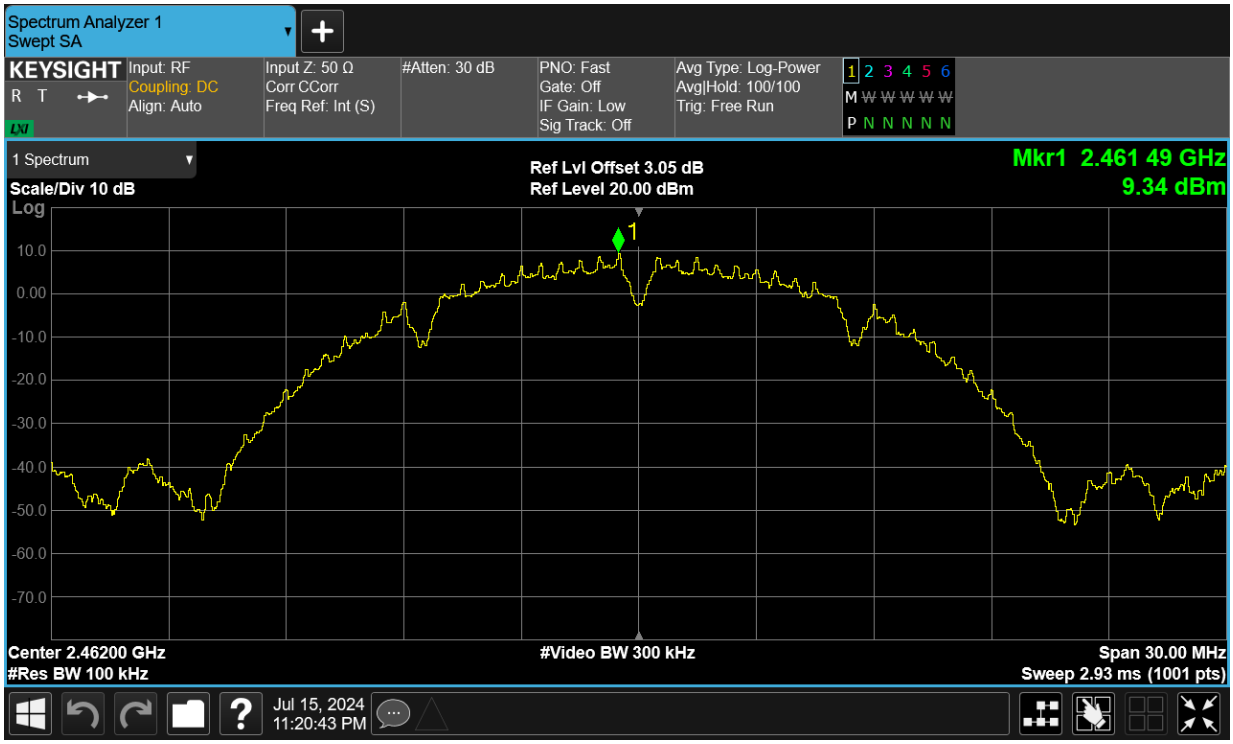
Band Edge NVNT b 2412MHz ANT14 Ref



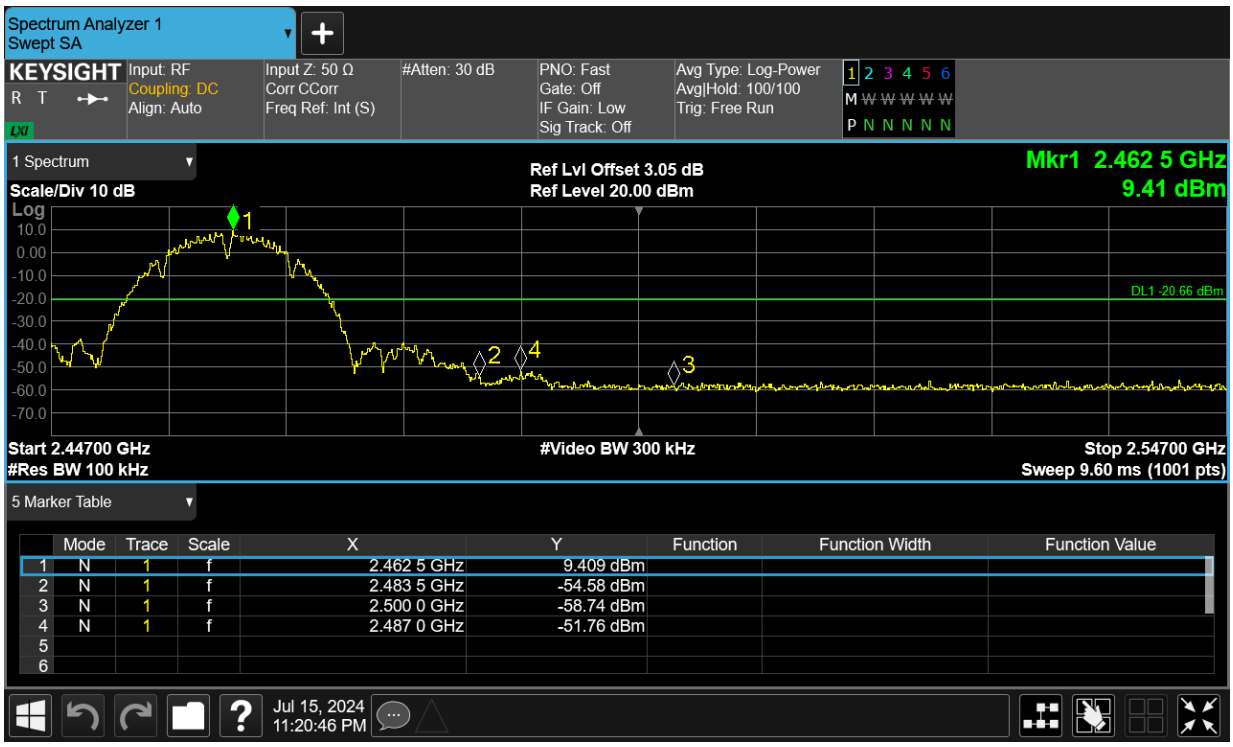
Band Edge NVNT b 2412MHz ANT14 Emission



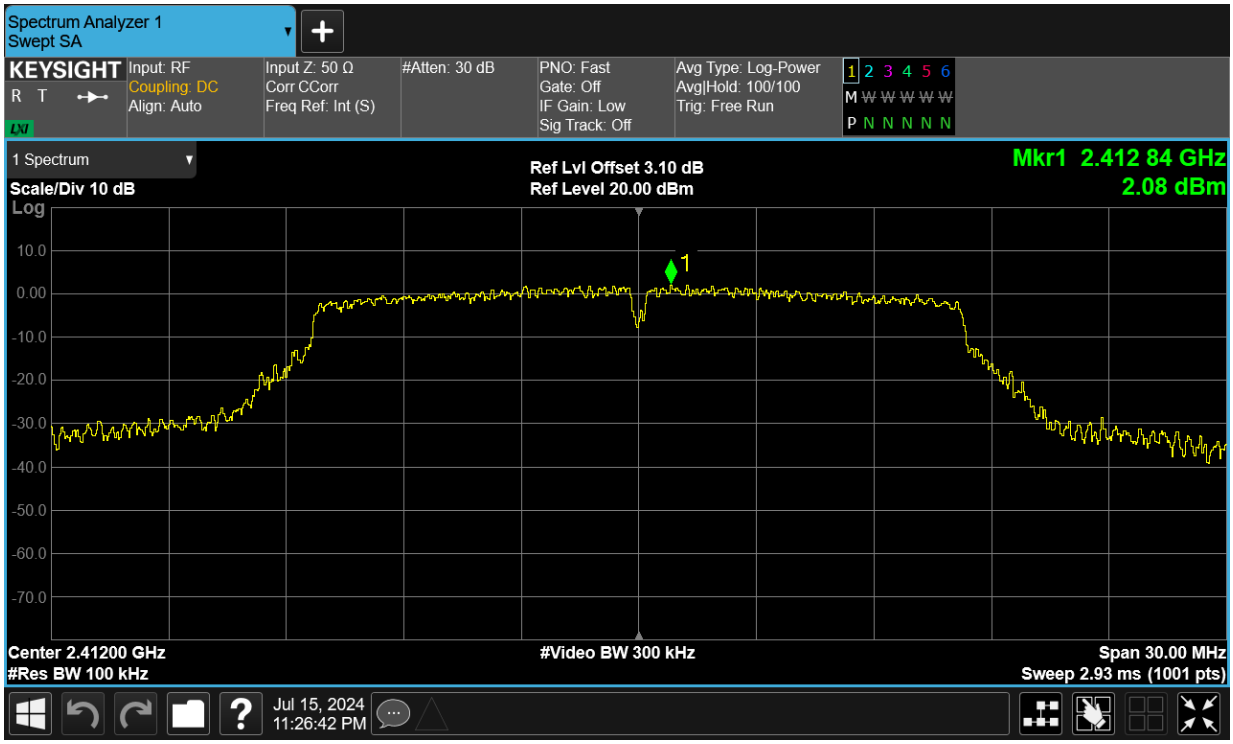
Band Edge NVNT b 2462MHz ANT14 Ref



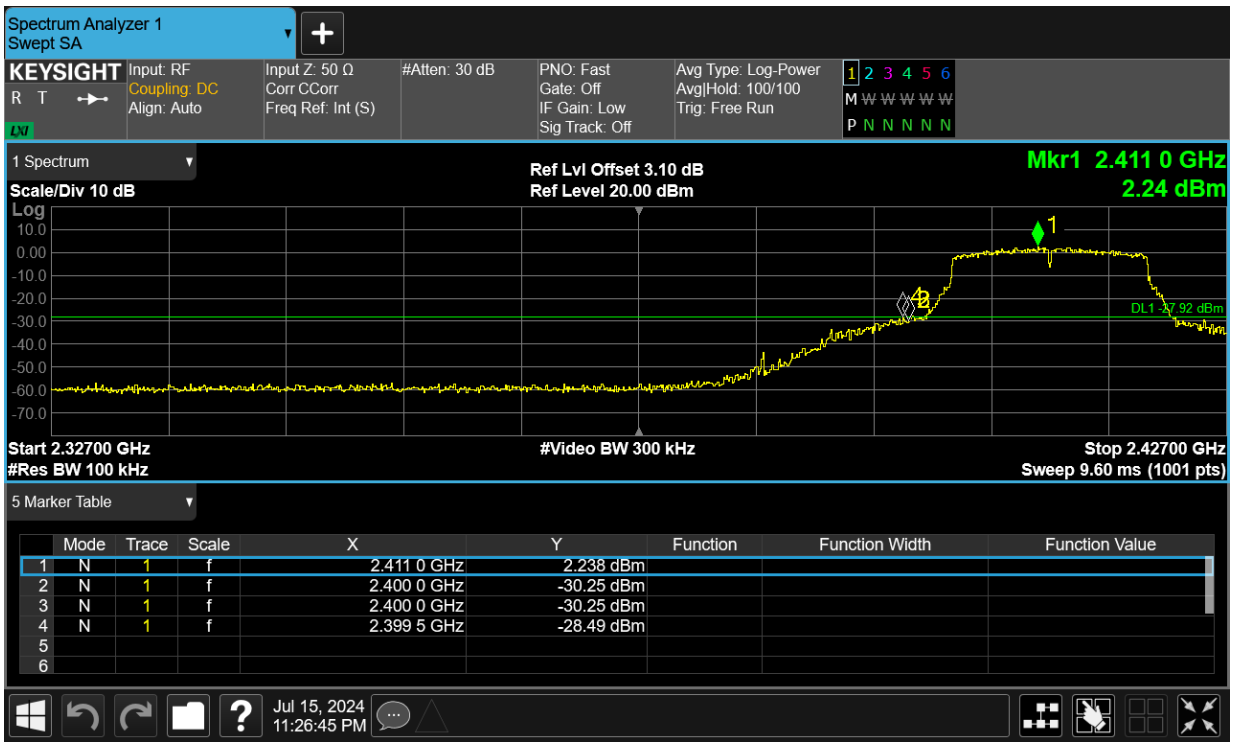
Band Edge NVNT b 2462MHz ANT14 Emission



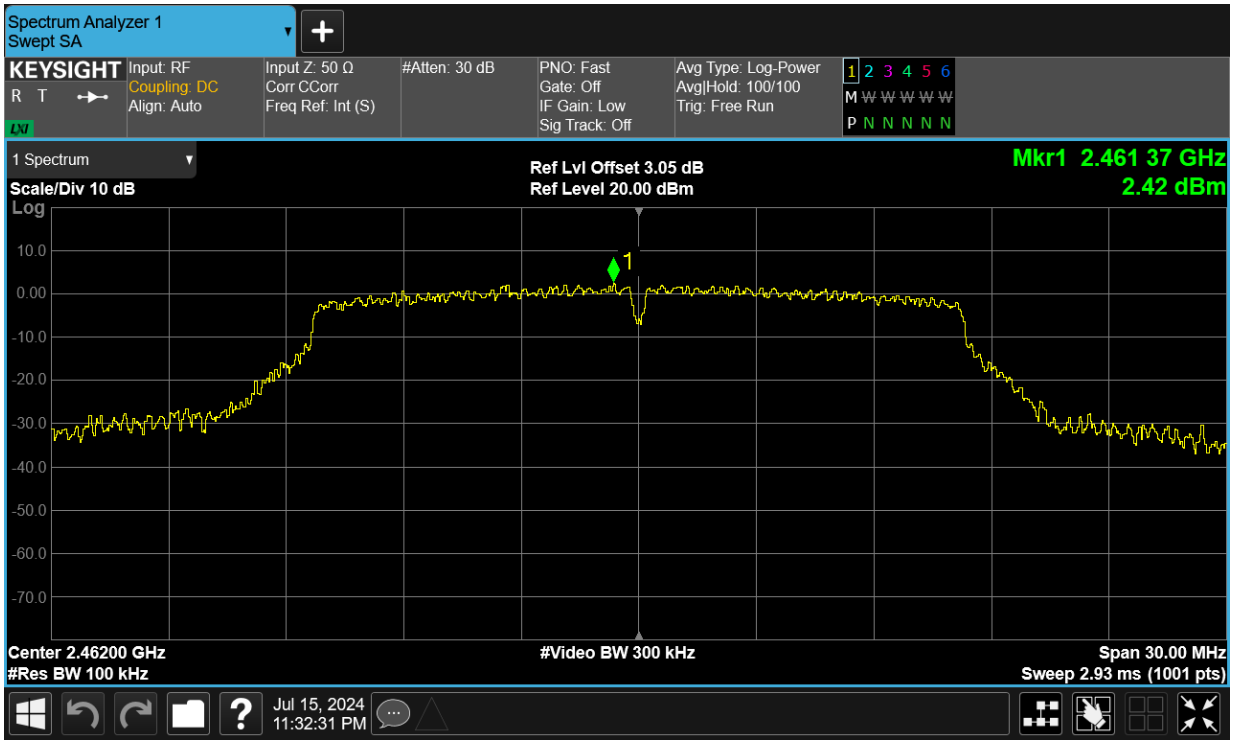
Band Edge NVNT g 2412MHz ANT14 Ref



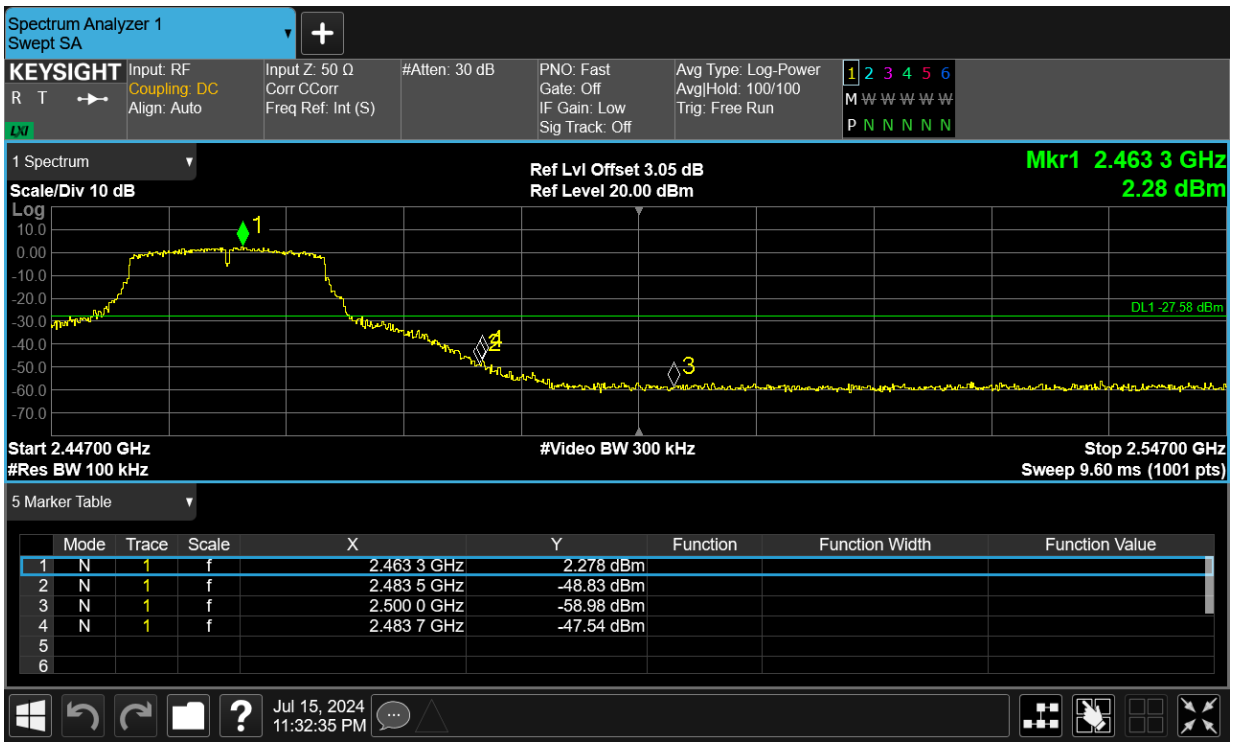
Band Edge NVNT g 2412MHz ANT14 Emission



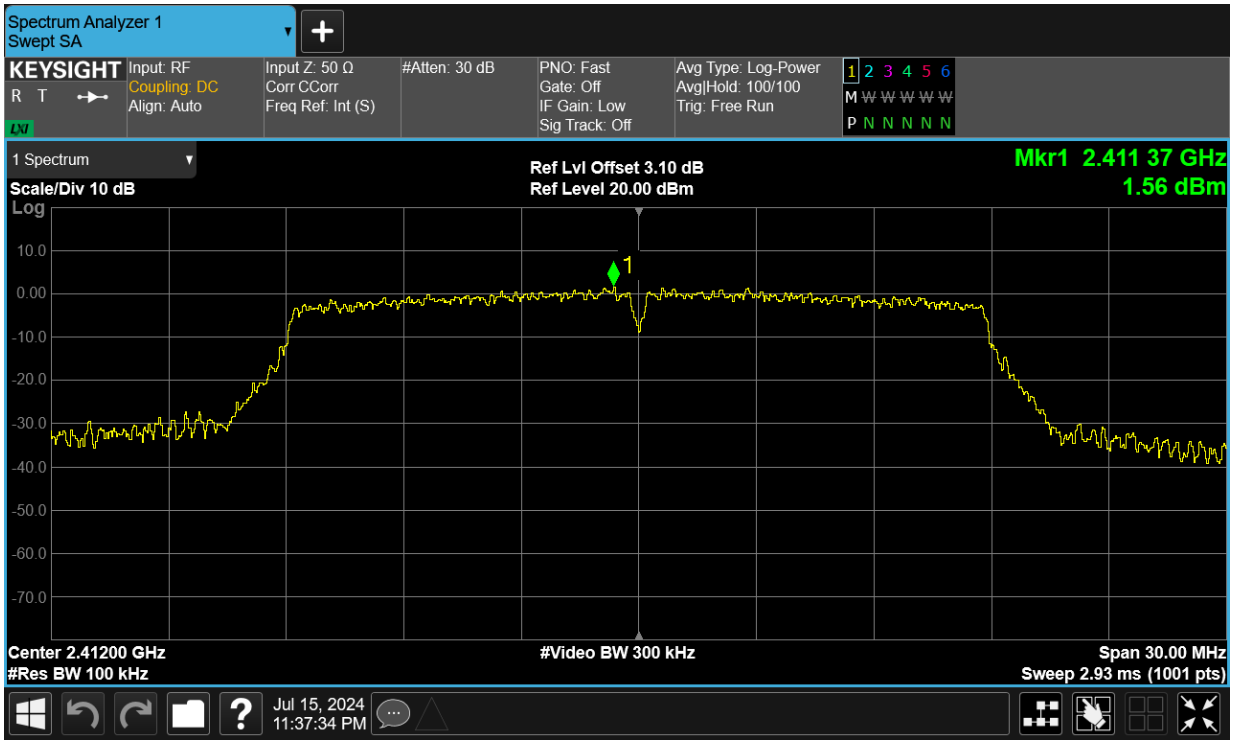
Band Edge NVNT g 2462MHz ANT14 Ref



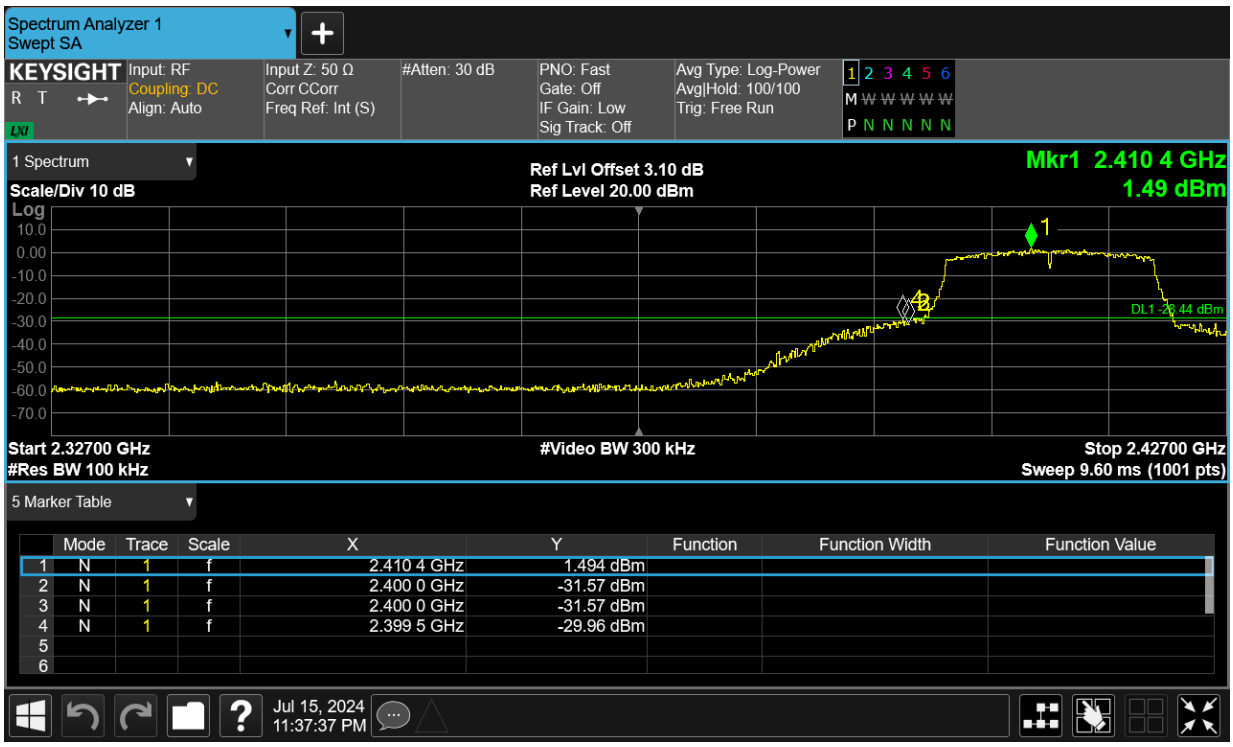
Band Edge NVNT g 2462MHz ANT14 Emission



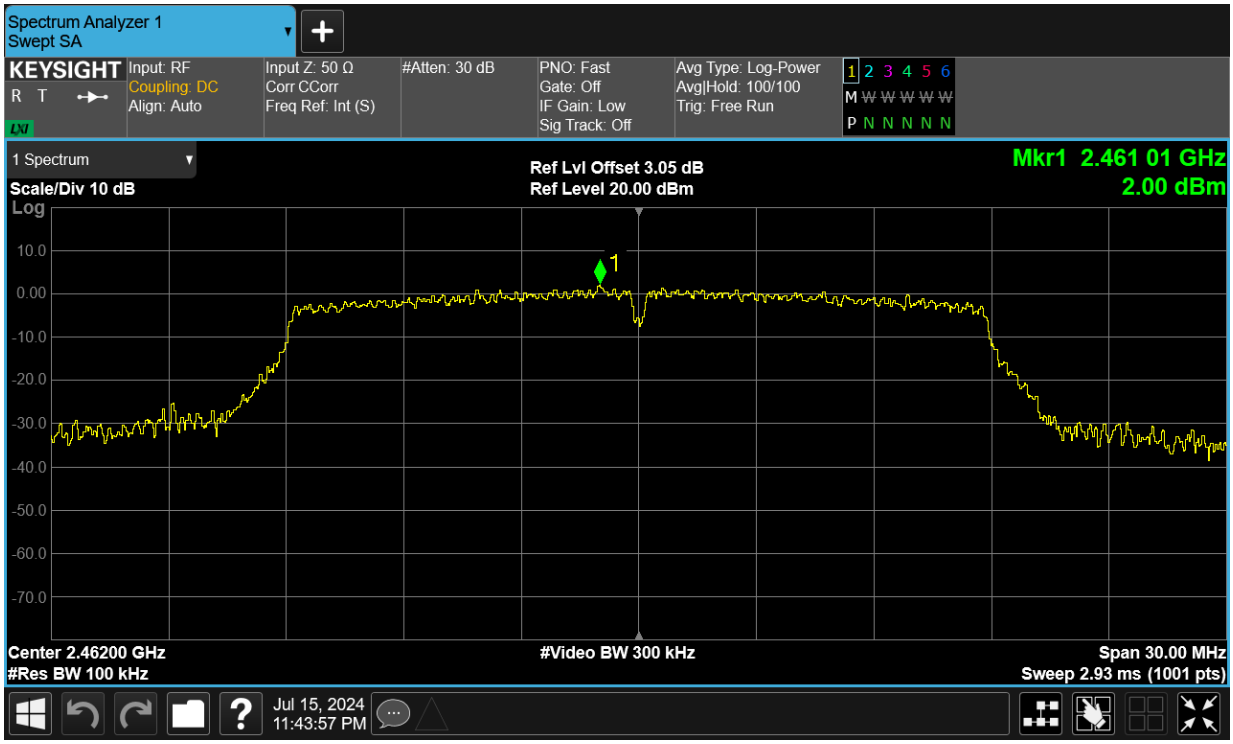
Band Edge NVNT n20 2412MHz ANT14 Ref



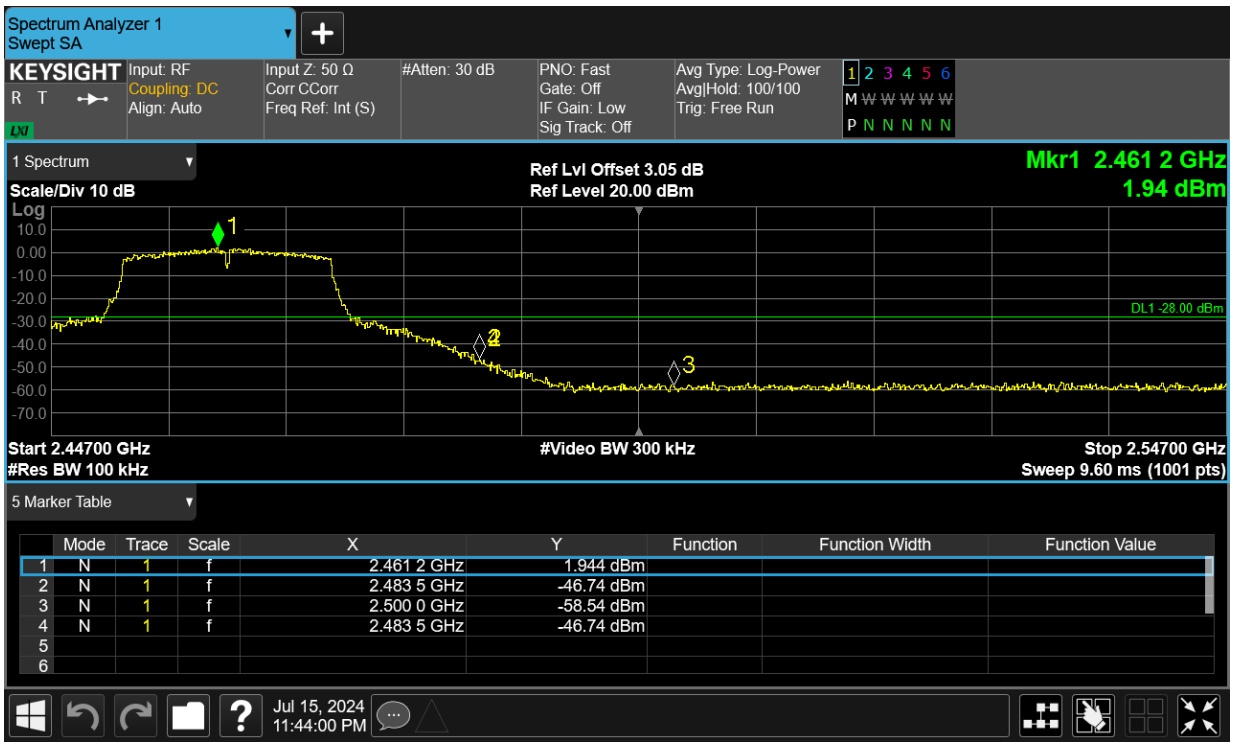
Band Edge NVNT n20 2412MHz ANT14 Emission



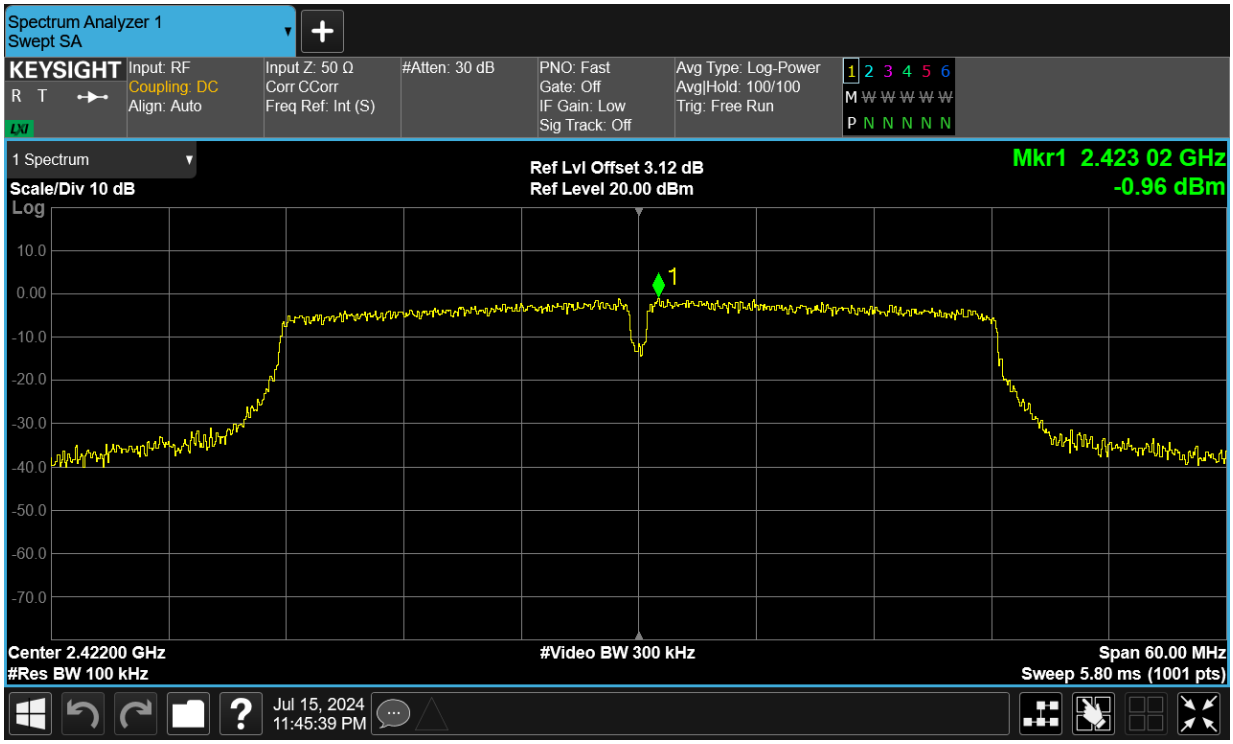
Band Edge NVNT n20 2462MHz ANT14 Ref



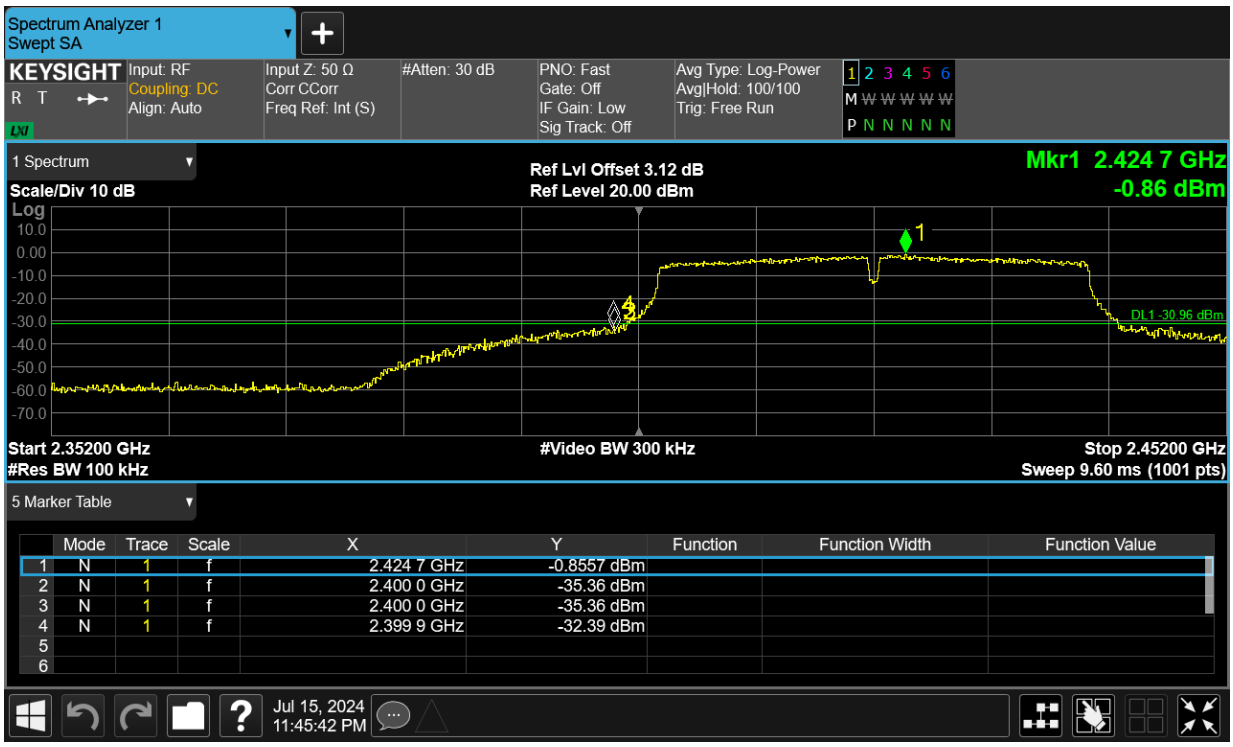
Band Edge NVNT n20 2462MHz ANT14 Emission



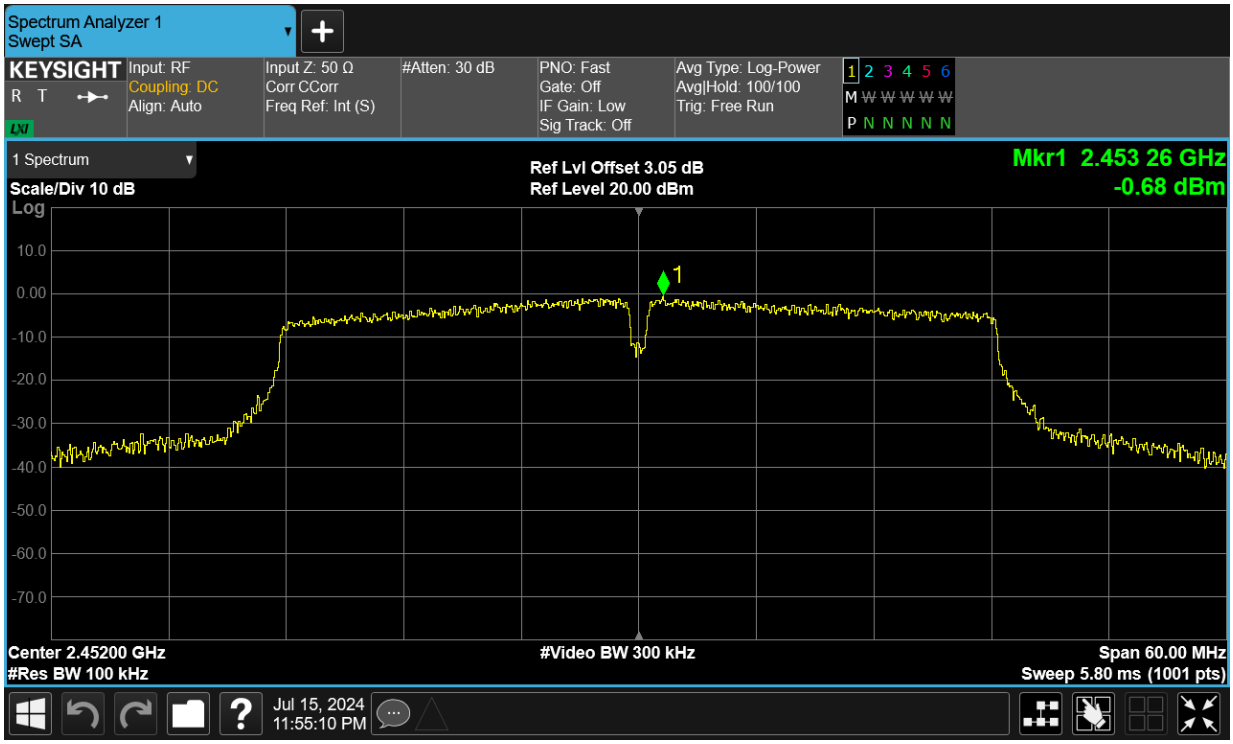
Band Edge NVNT n40 2422MHz ANT14 Ref



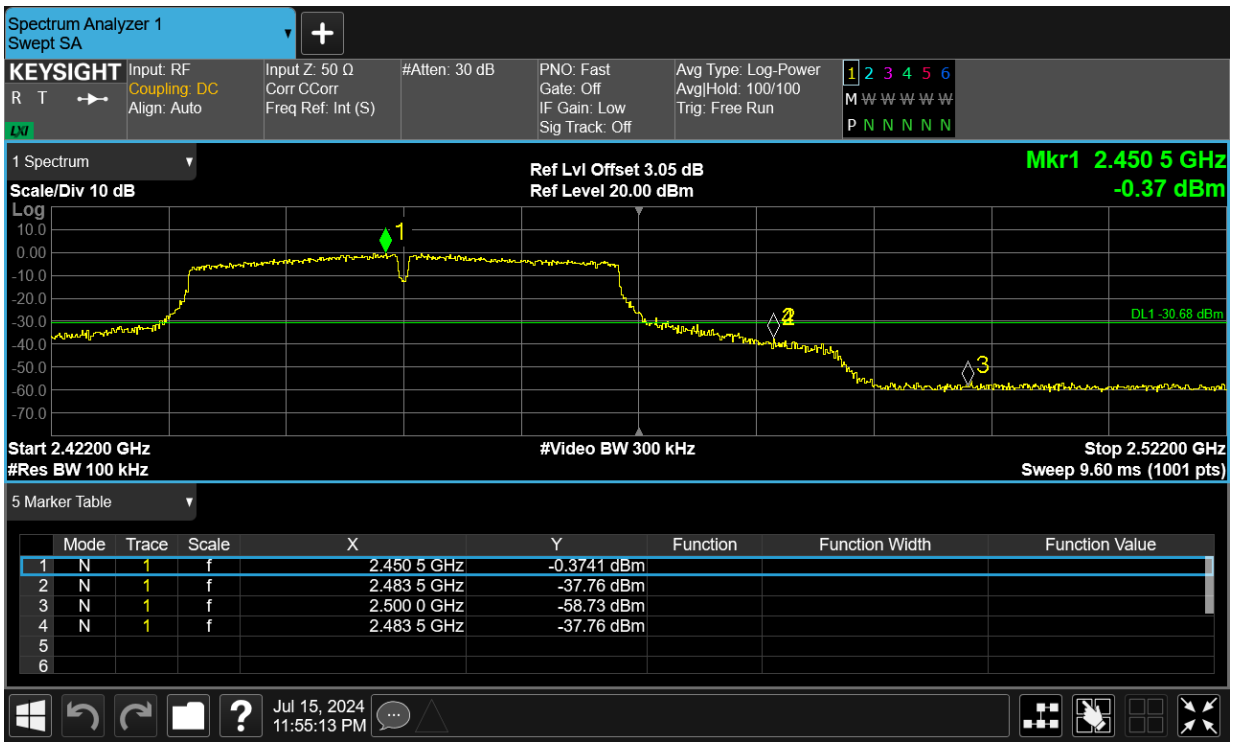
Band Edge NVNT n40 2422MHz ANT14 Emission



Band Edge NVNT n40 2452MHz ANT14 Ref



Band Edge NVNT n40 2452MHz ANT14 Emission

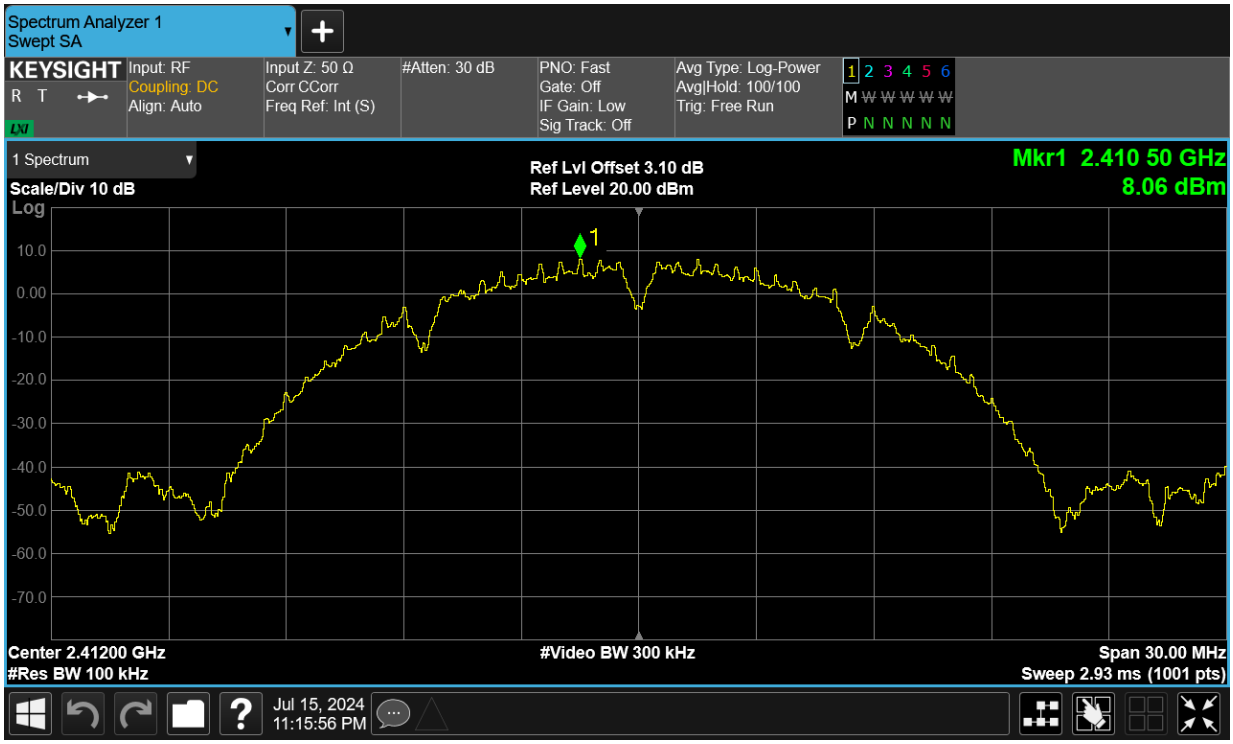


Conducted RF Spurious Emission

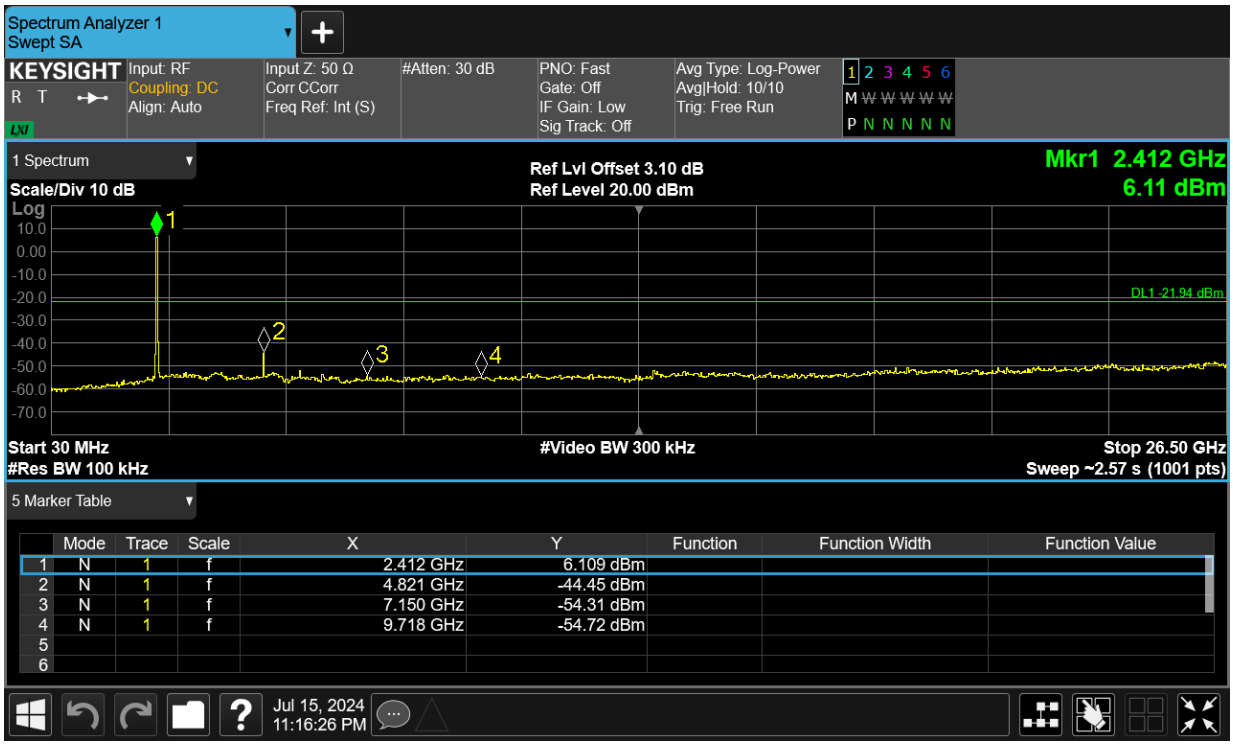
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	ANT14	-52.51	-30	Pass
NVNT	b	2437	ANT14	-53.68	-30	Pass
NVNT	b	2462	ANT14	-53.55	-30	Pass
NVNT	g	2412	ANT14	-50.35	-30	Pass
NVNT	g	2437	ANT14	-50.34	-30	Pass
NVNT	g	2462	ANT14	-50.52	-30	Pass
NVNT	n20	2412	ANT14	-49.65	-30	Pass
NVNT	n20	2437	ANT14	-49.41	-30	Pass
NVNT	n20	2462	ANT14	-48.88	-30	Pass
NVNT	n40	2422	ANT14	-47.92	-30	Pass
NVNT	n40	2437	ANT14	-46.92	-30	Pass
NVNT	n40	2452	ANT14	-47.66	-30	Pass

Test Graphs

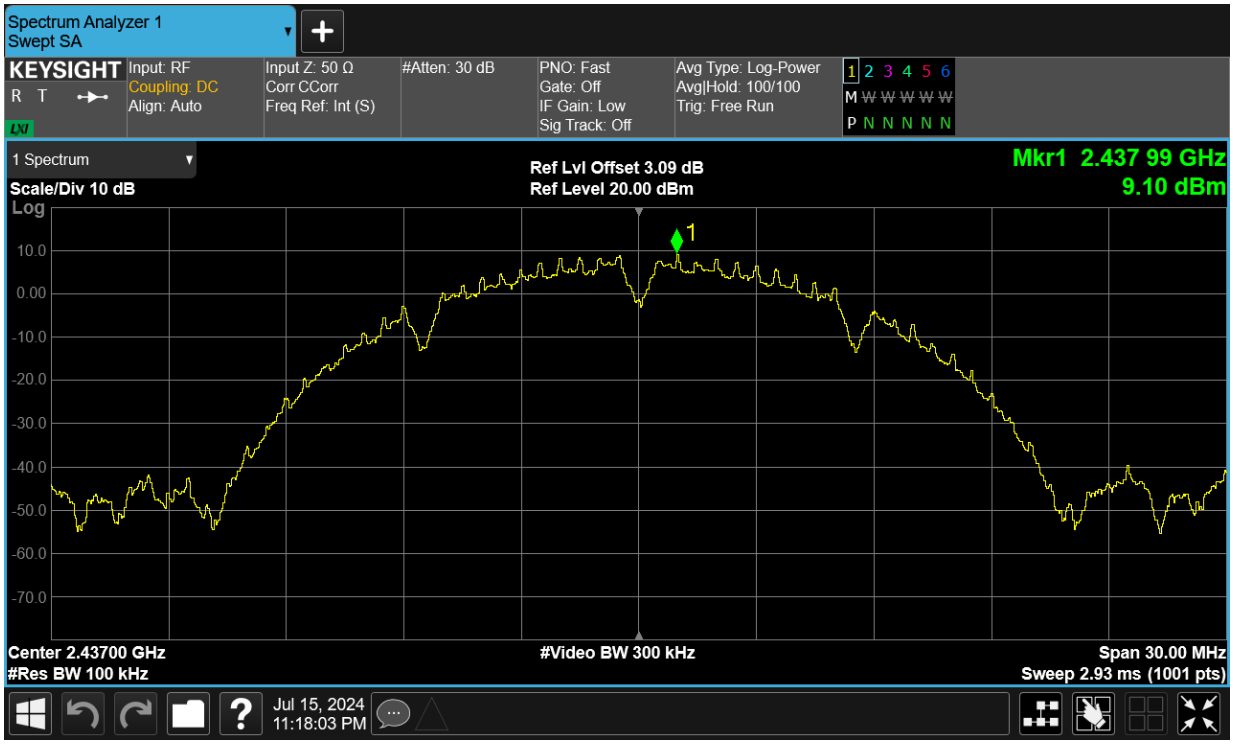
Tx. Spurious NVNT b 2412MHz ANT14 Ref



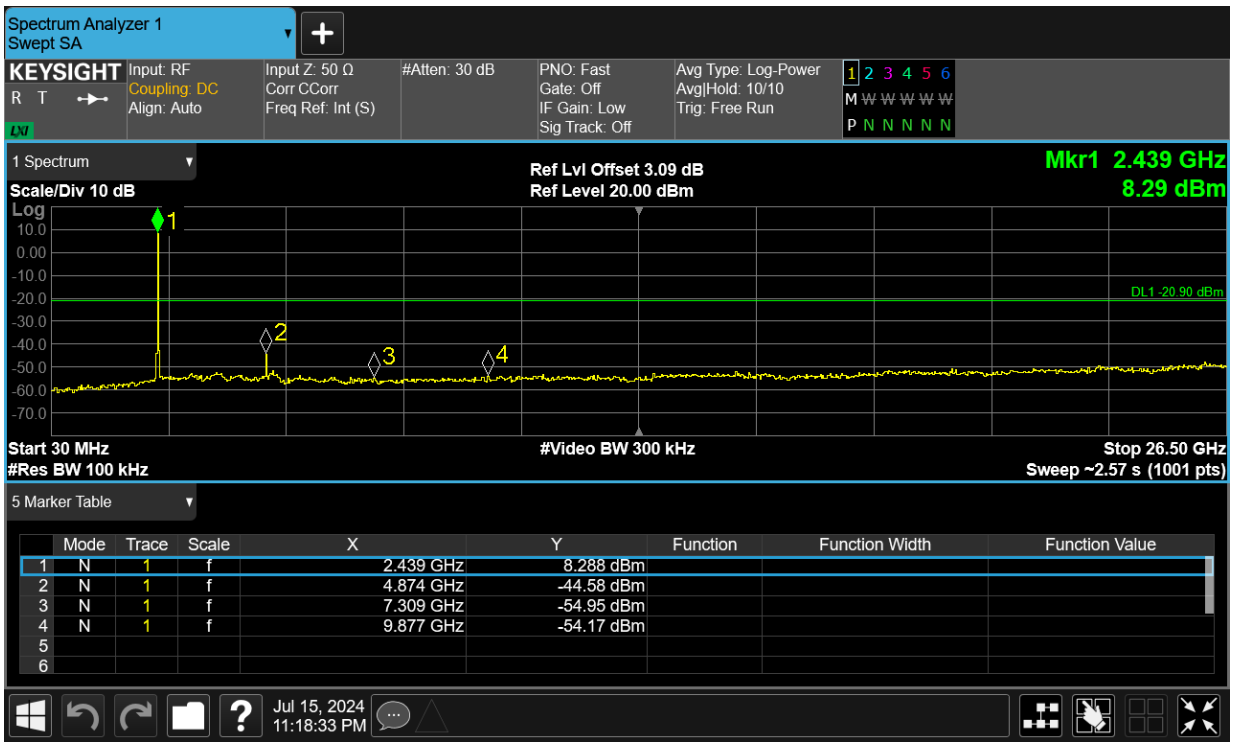
Tx. Spurious NVNT b 2412MHz ANT14 Emission



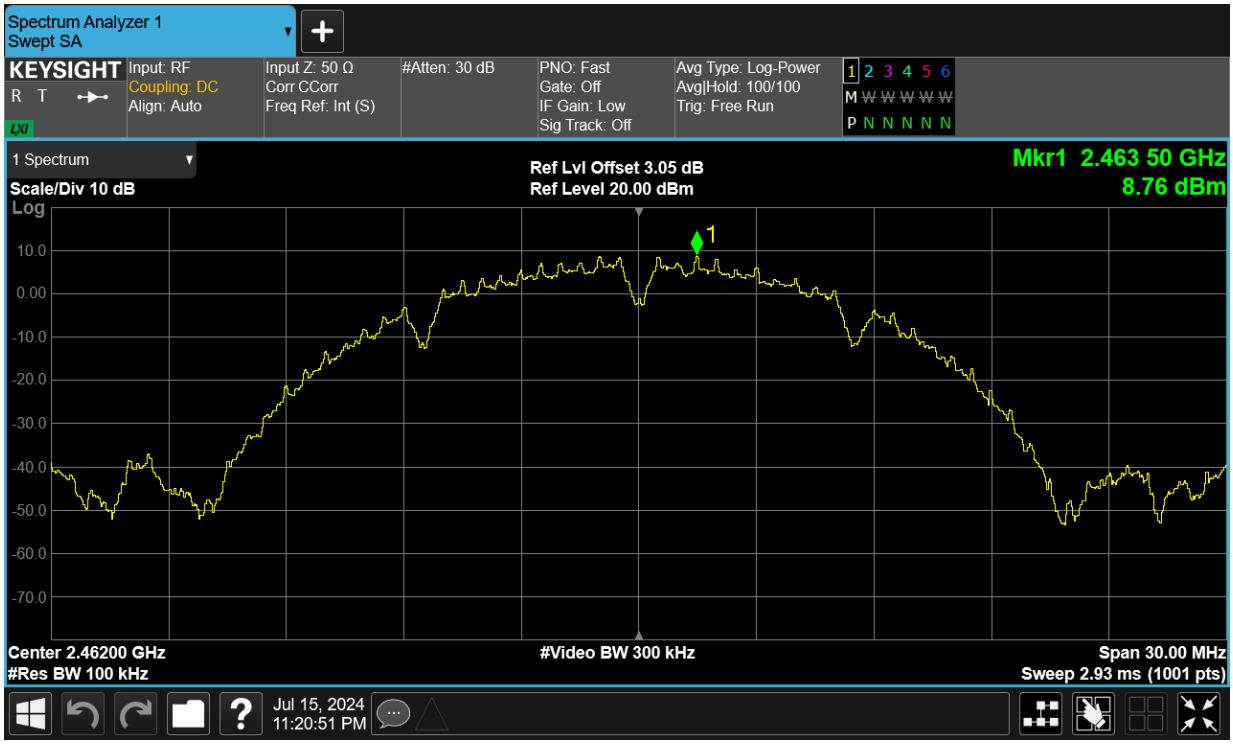
Tx. Spurious NVNT b 2437MHz ANT14 Ref



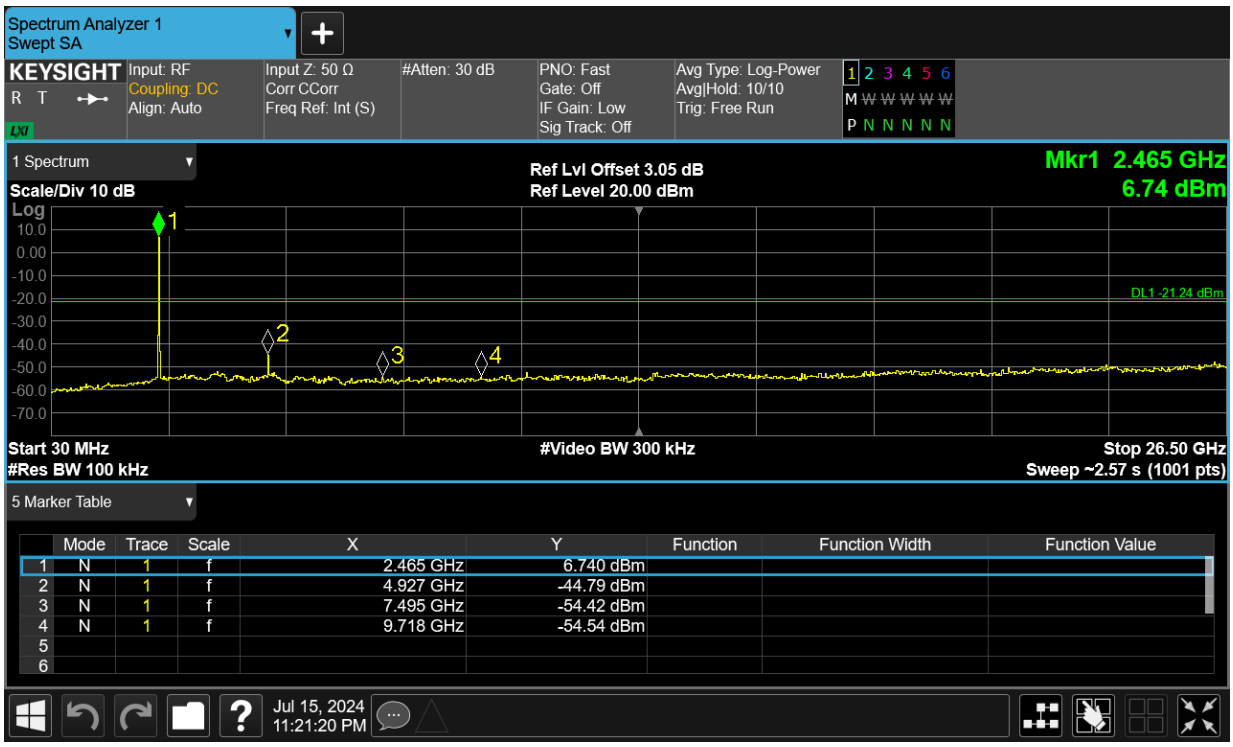
Tx. Spurious NVNT b 2437MHz ANT14 Emission



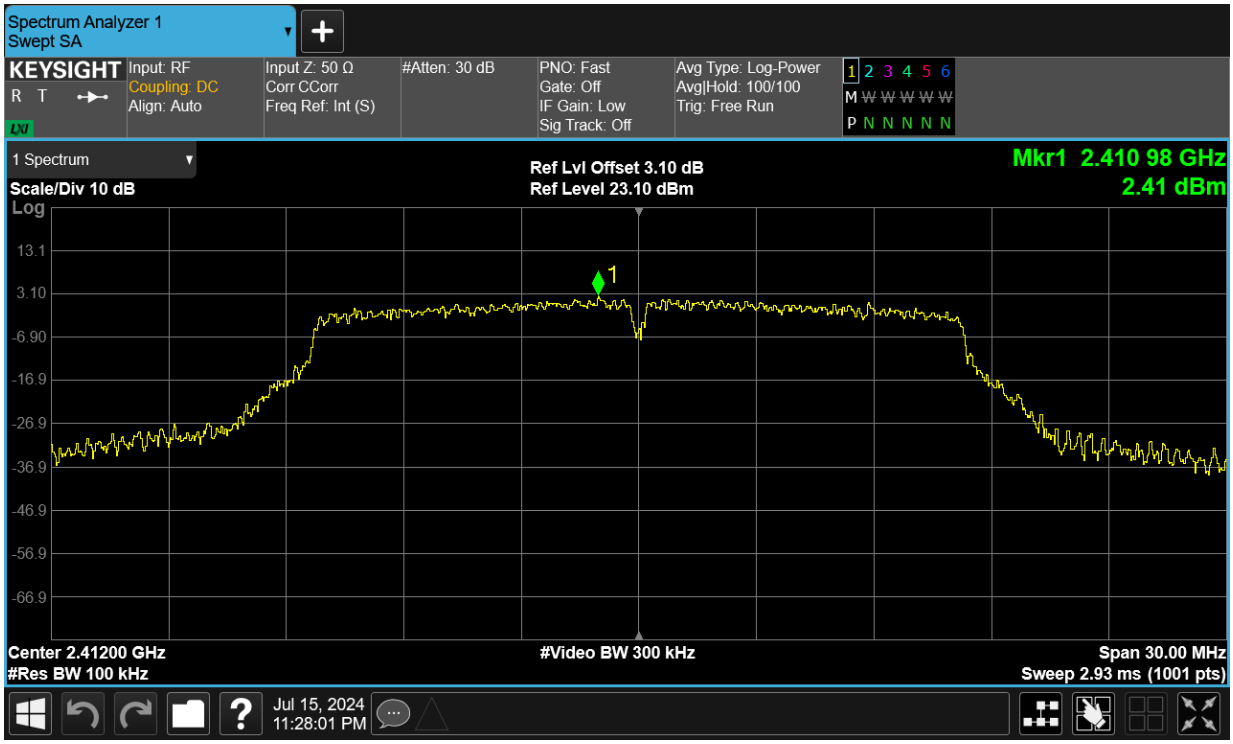
Tx. Spurious NVNT b 2462MHz ANT14 Ref



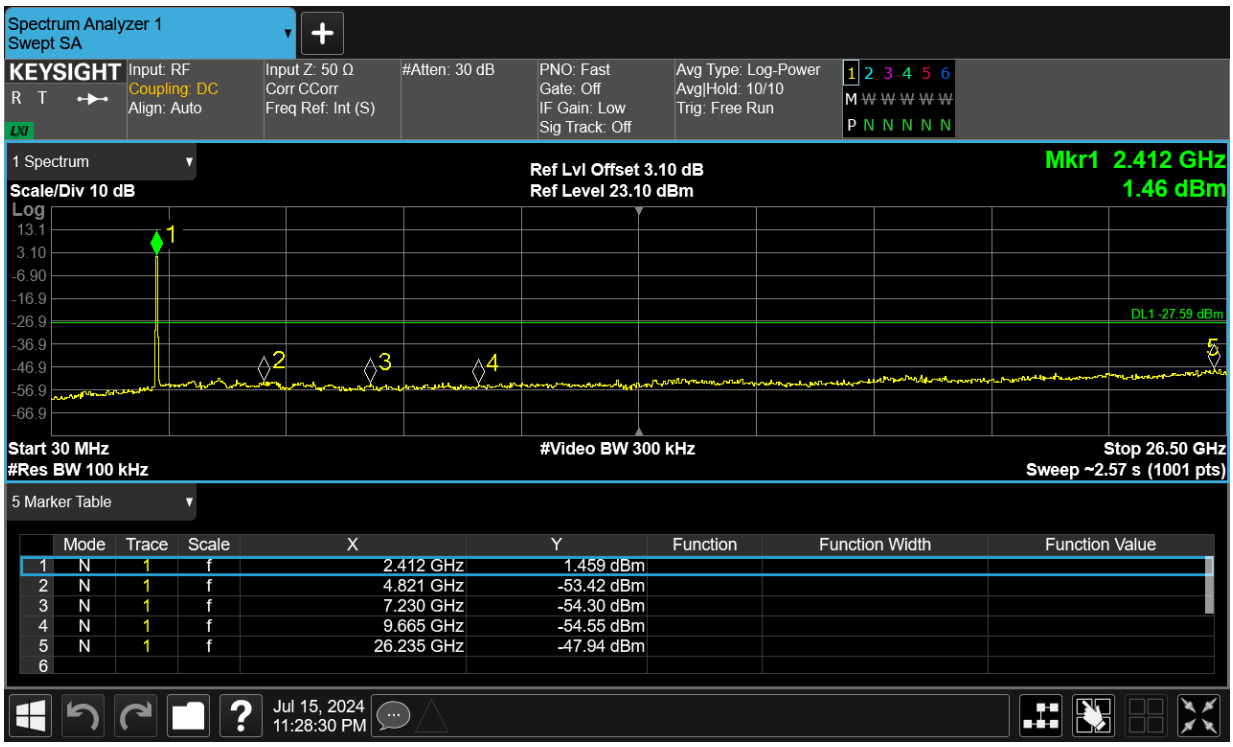
Tx. Spurious NVNT b 2462MHz ANT14 Emission



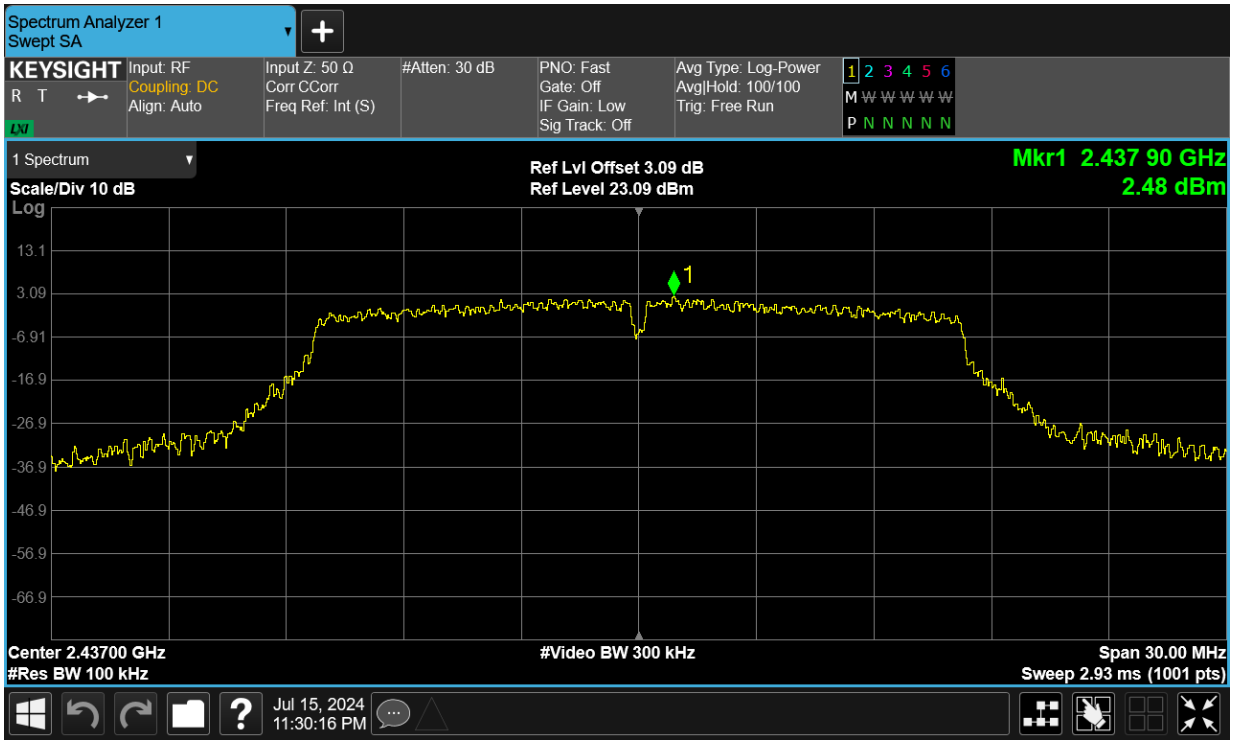
Tx. Spurious NVNT g 2412MHz ANT14 Ref



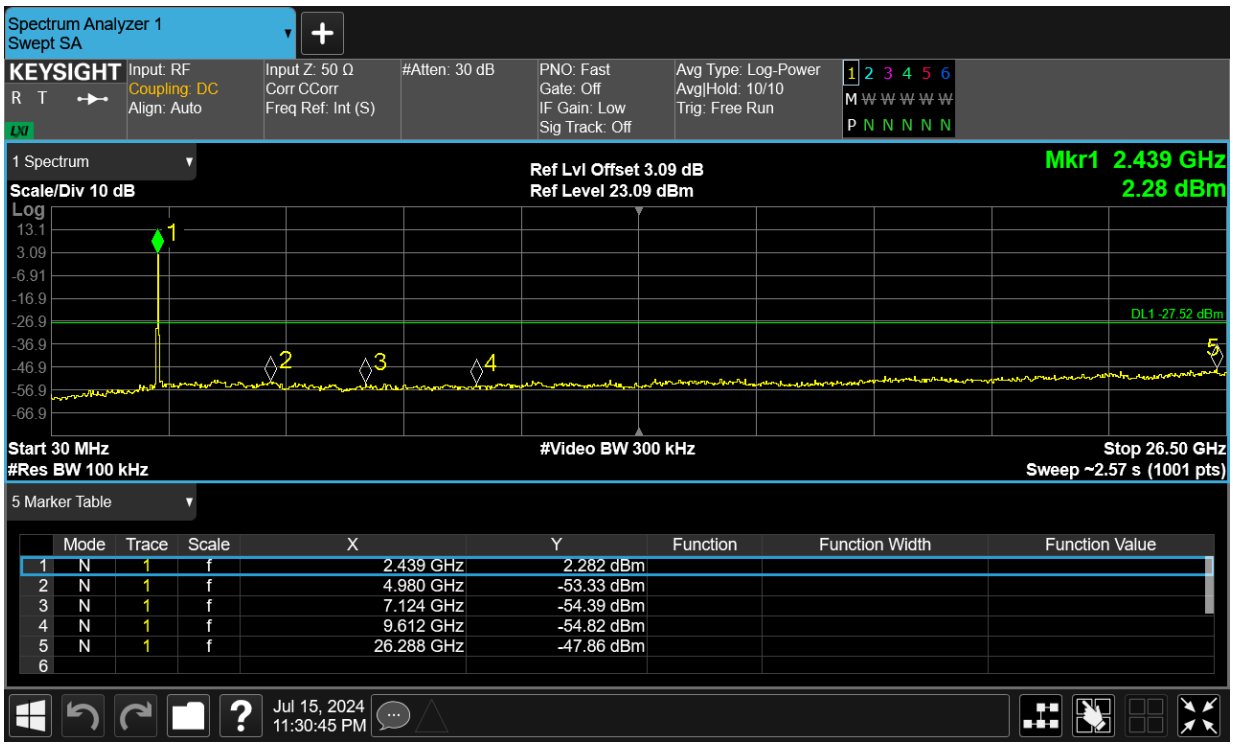
Tx. Spurious NVNT g 2412MHz ANT14 Emission



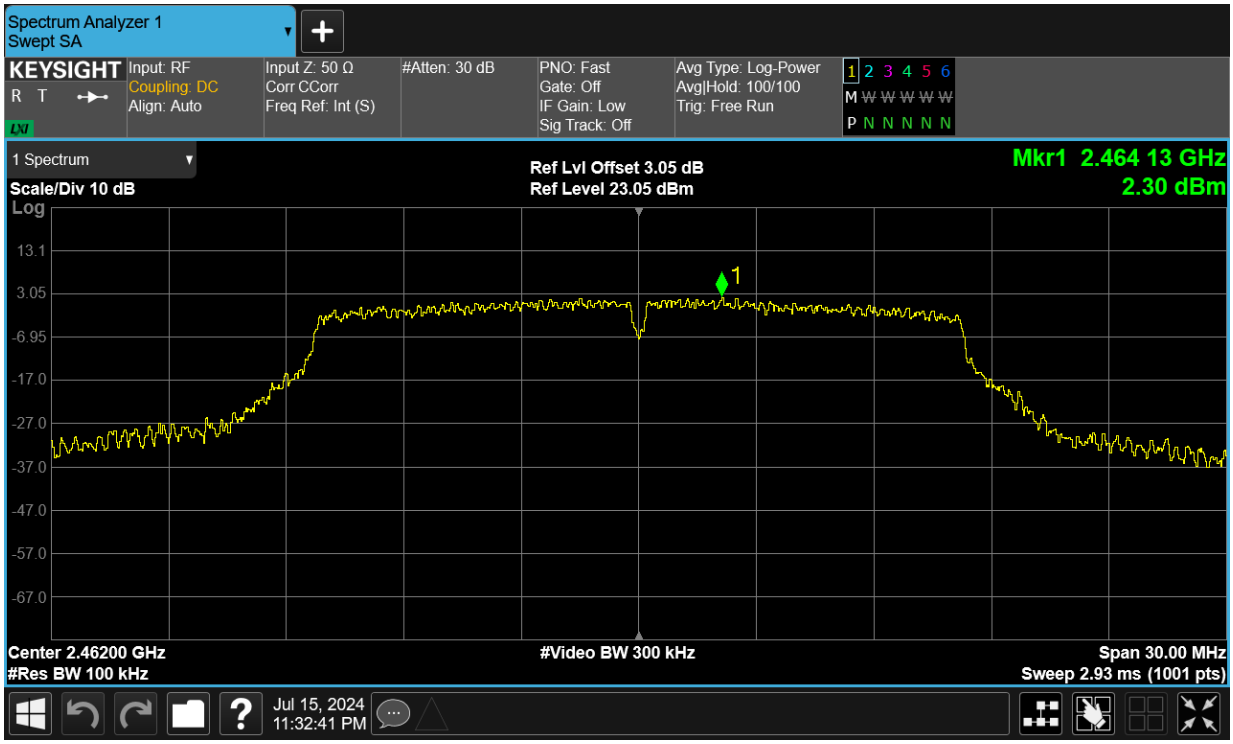
Tx. Spurious NVNT g 2437MHz ANT14 Ref



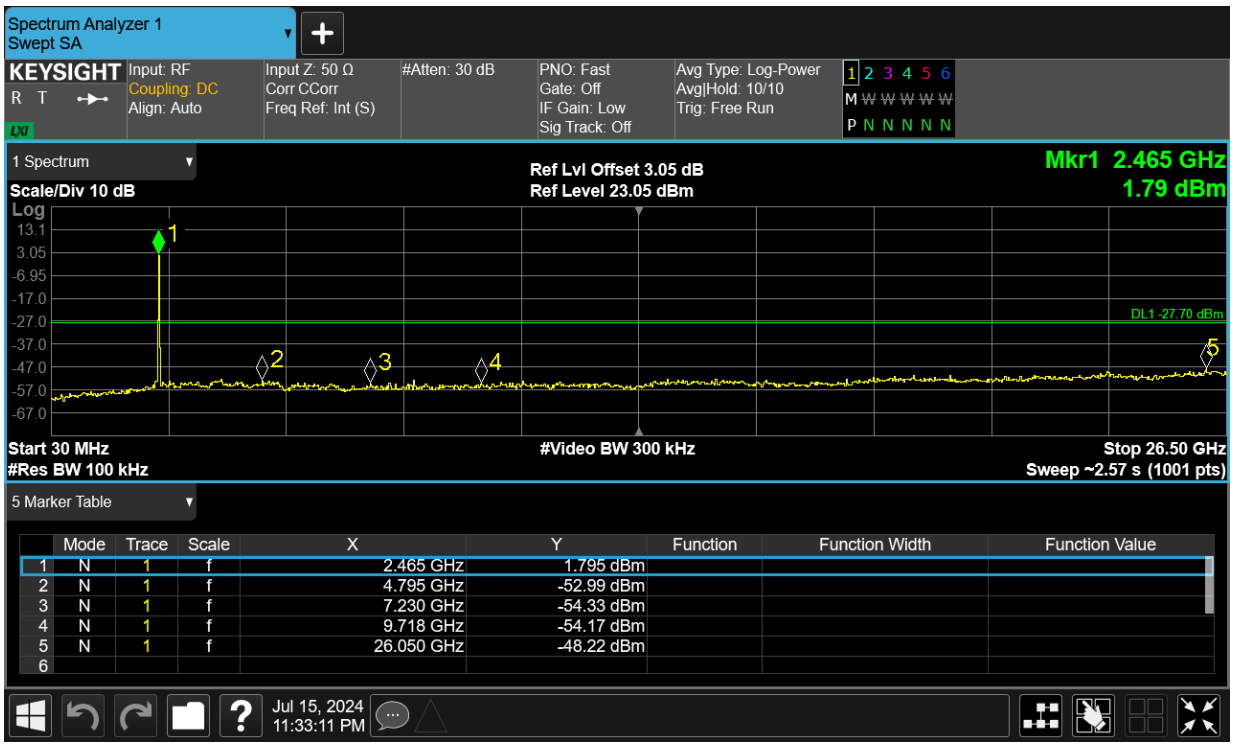
Tx. Spurious NVNT g 2437MHz ANT14 Emission



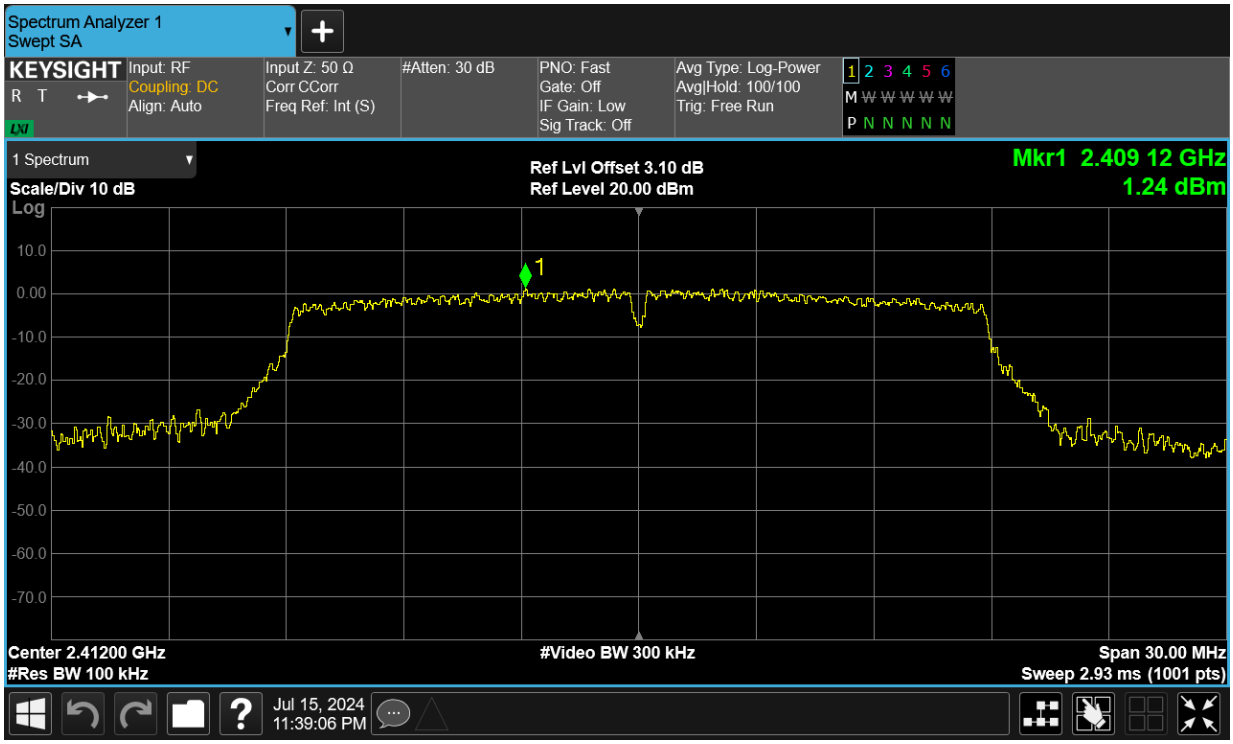
Tx. Spurious NVNT g 2462MHz ANT14 Ref



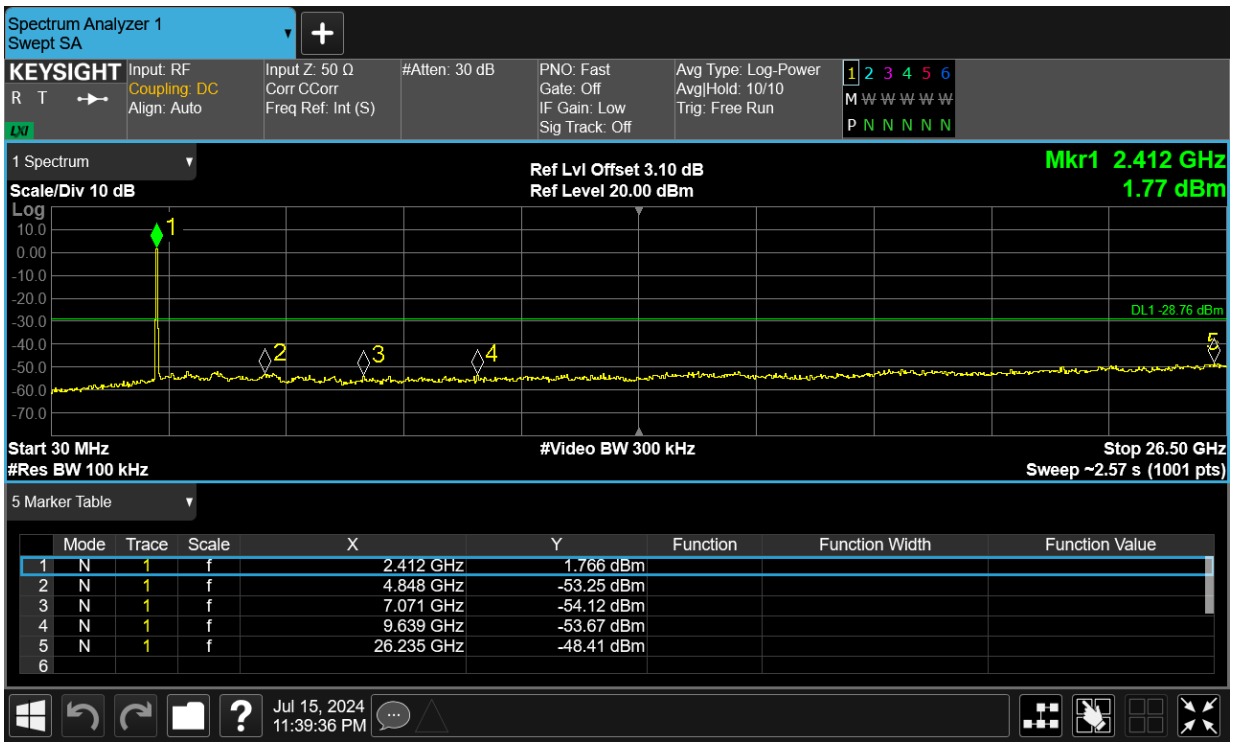
Tx. Spurious NVNT g 2462MHz ANT14 Emission



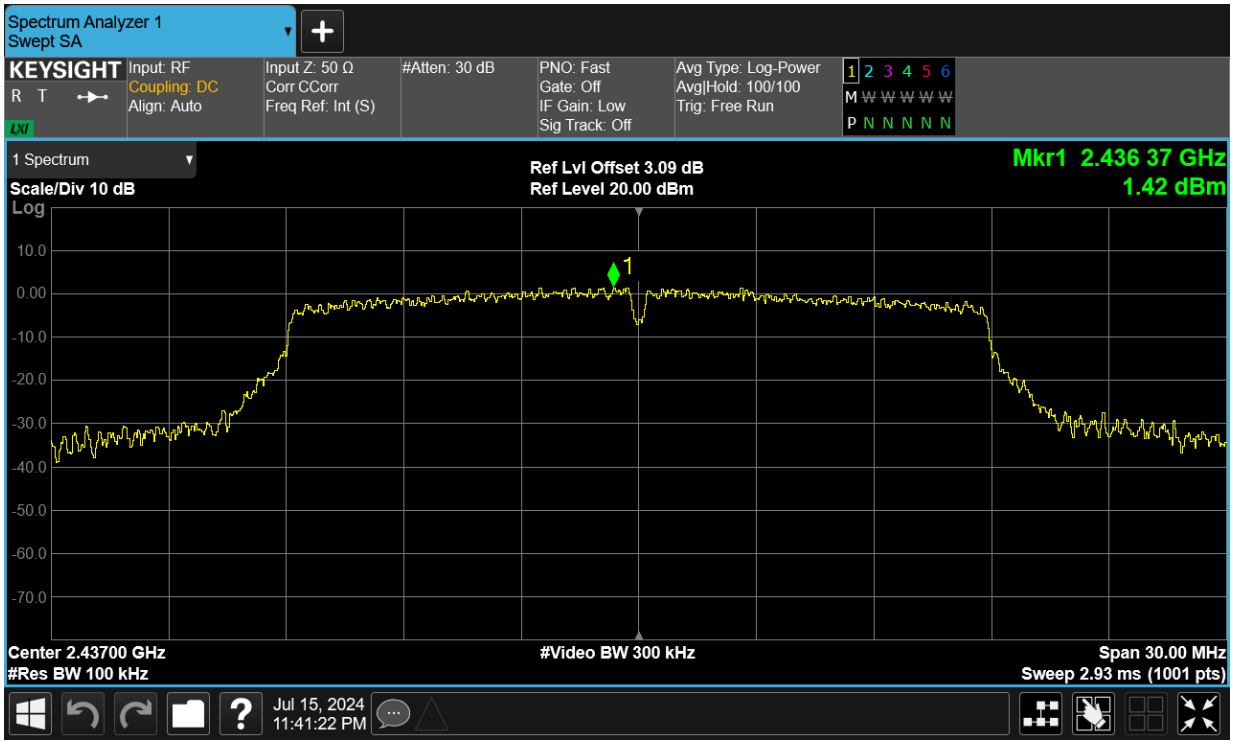
Tx. Spurious NVNT n20 2412MHz ANT14 Ref



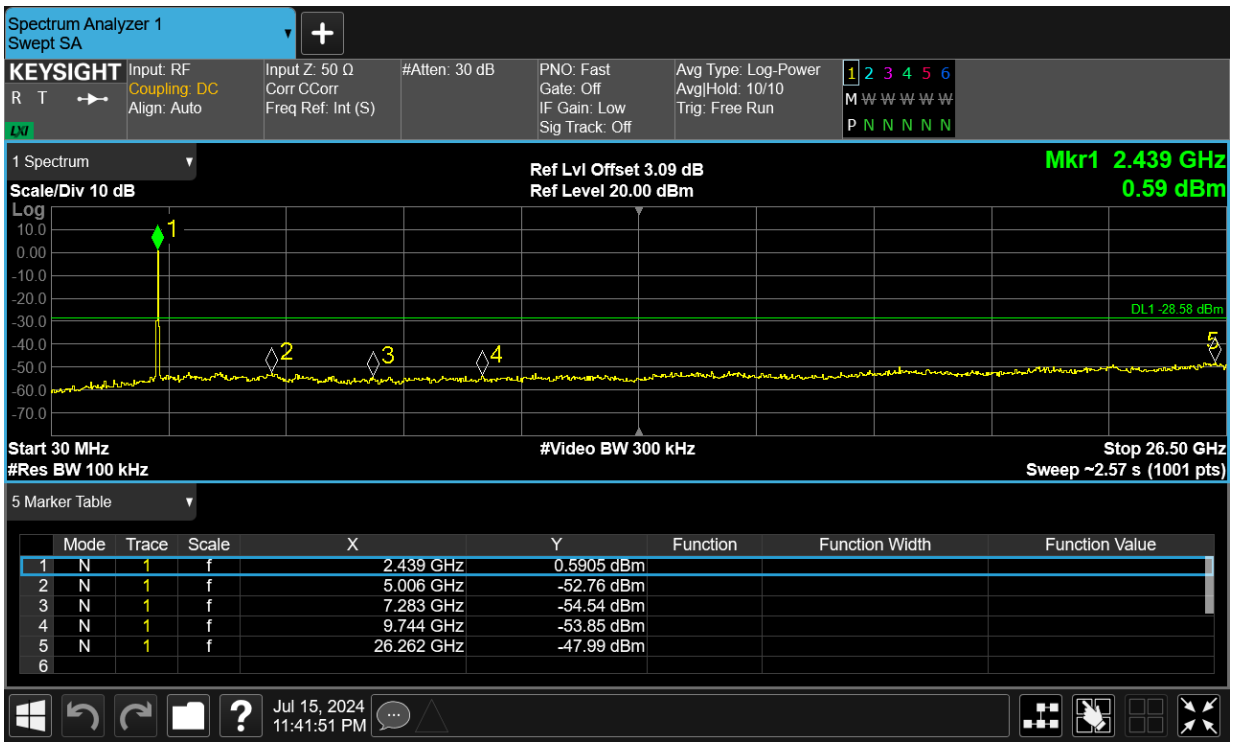
Tx. Spurious NVNT n20 2412MHz ANT14 Emission



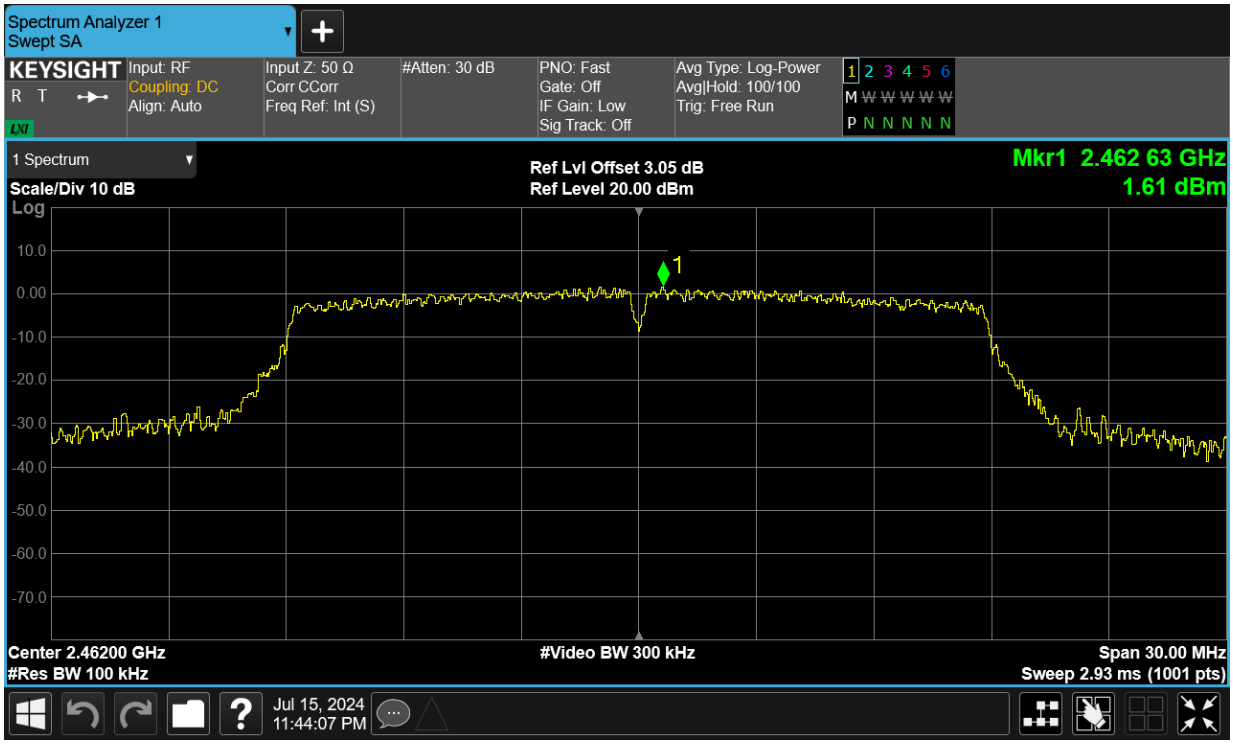
Tx. Spurious NVNT n20 2437MHz ANT14 Ref



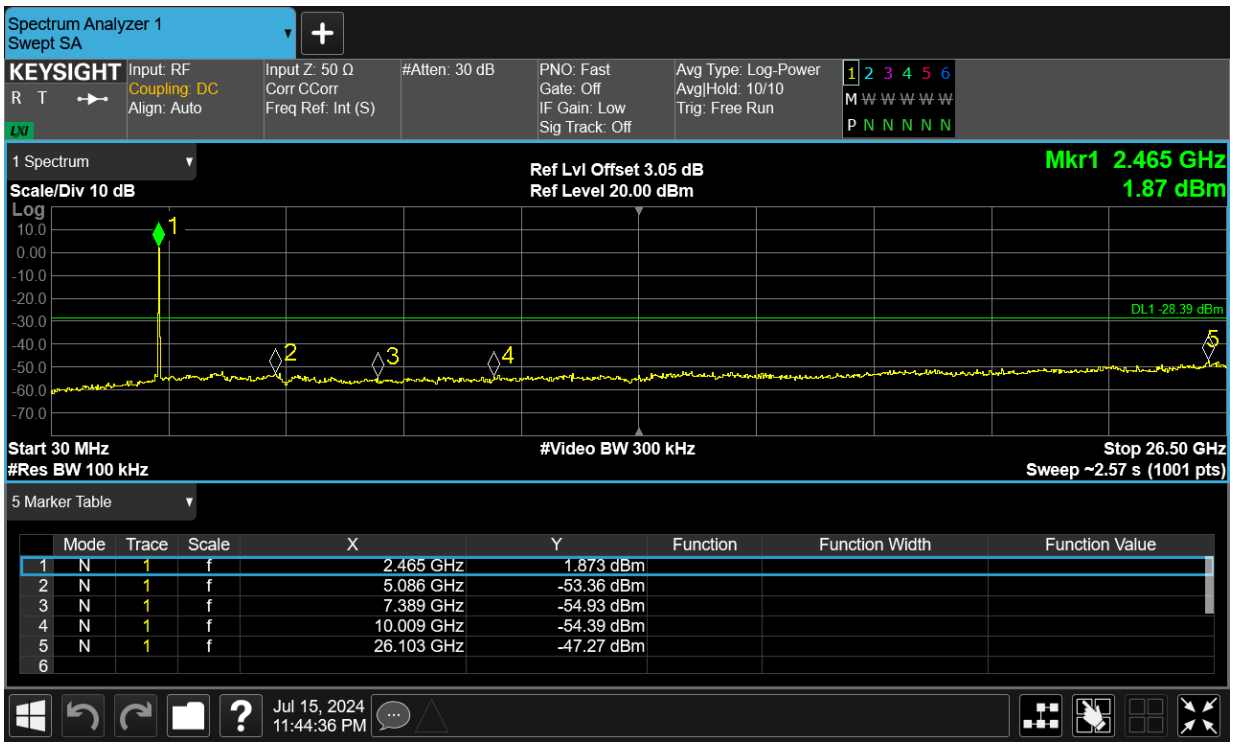
Tx. Spurious NVNT n20 2437MHz ANT14 Emission



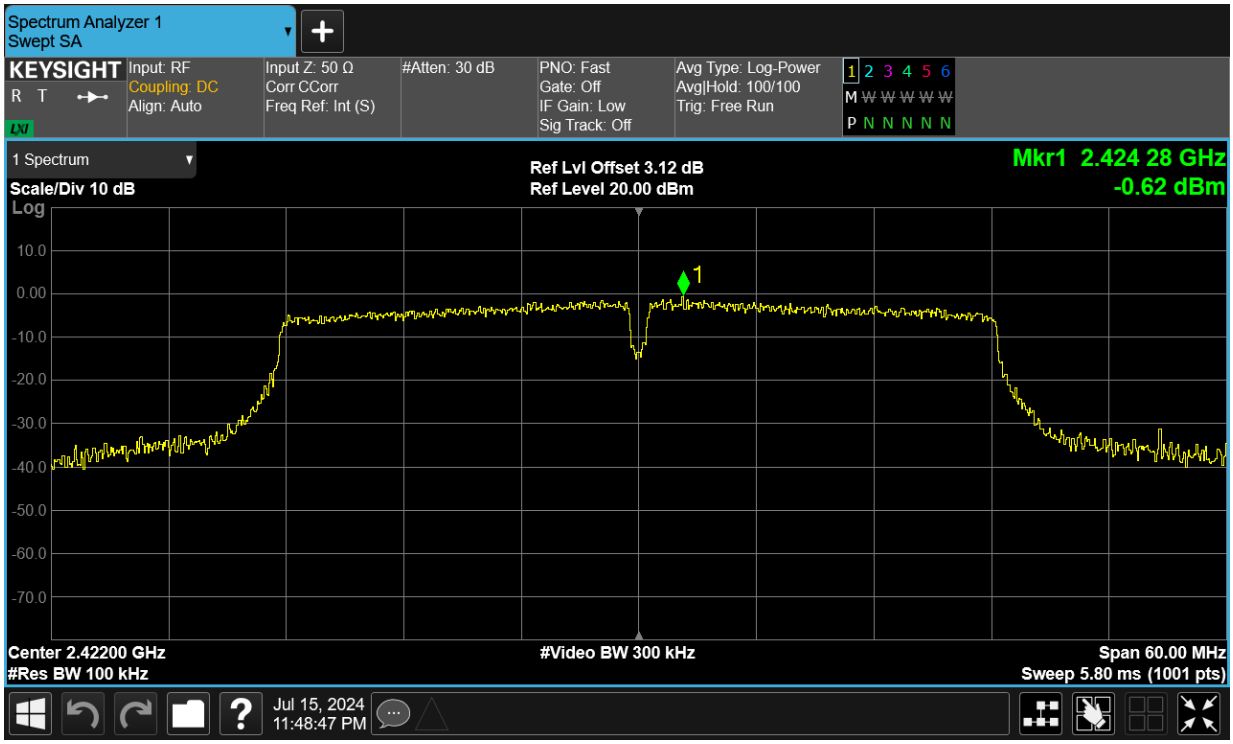
Tx. Spurious NVNT n20 2462MHz ANT14 Ref



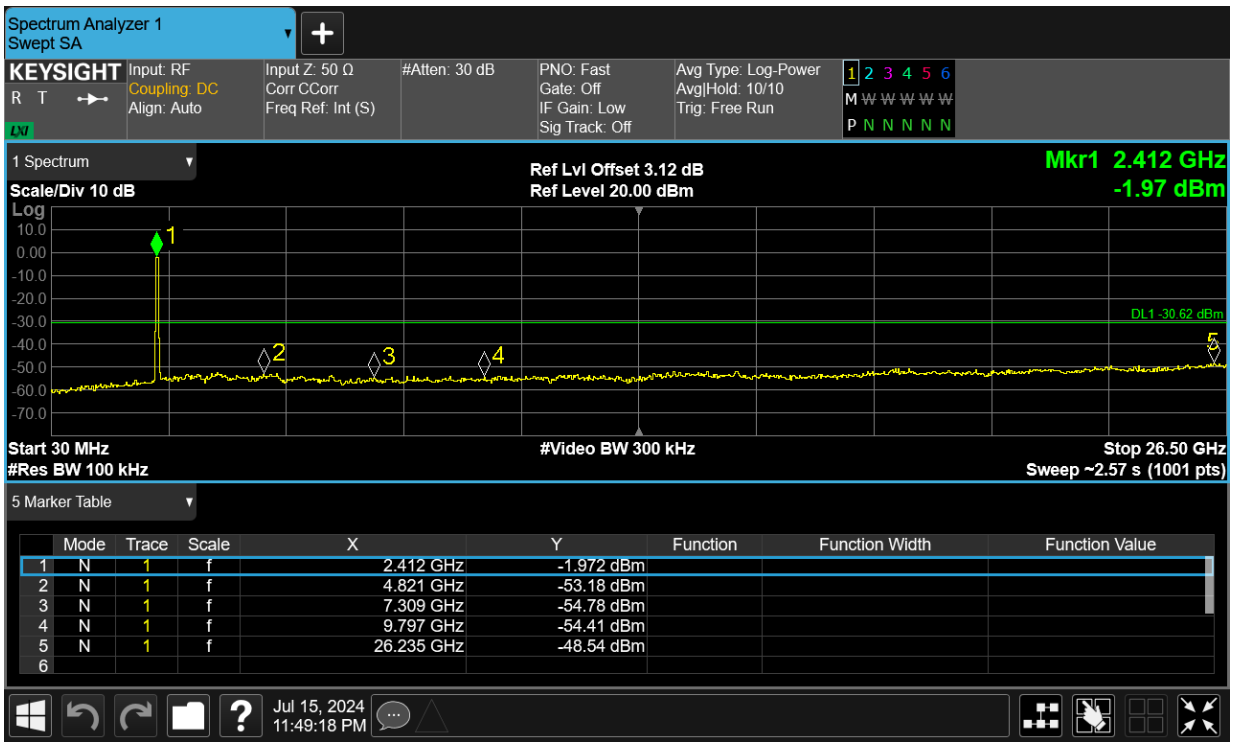
Tx. Spurious NVNT n20 2462MHz ANT14 Emission



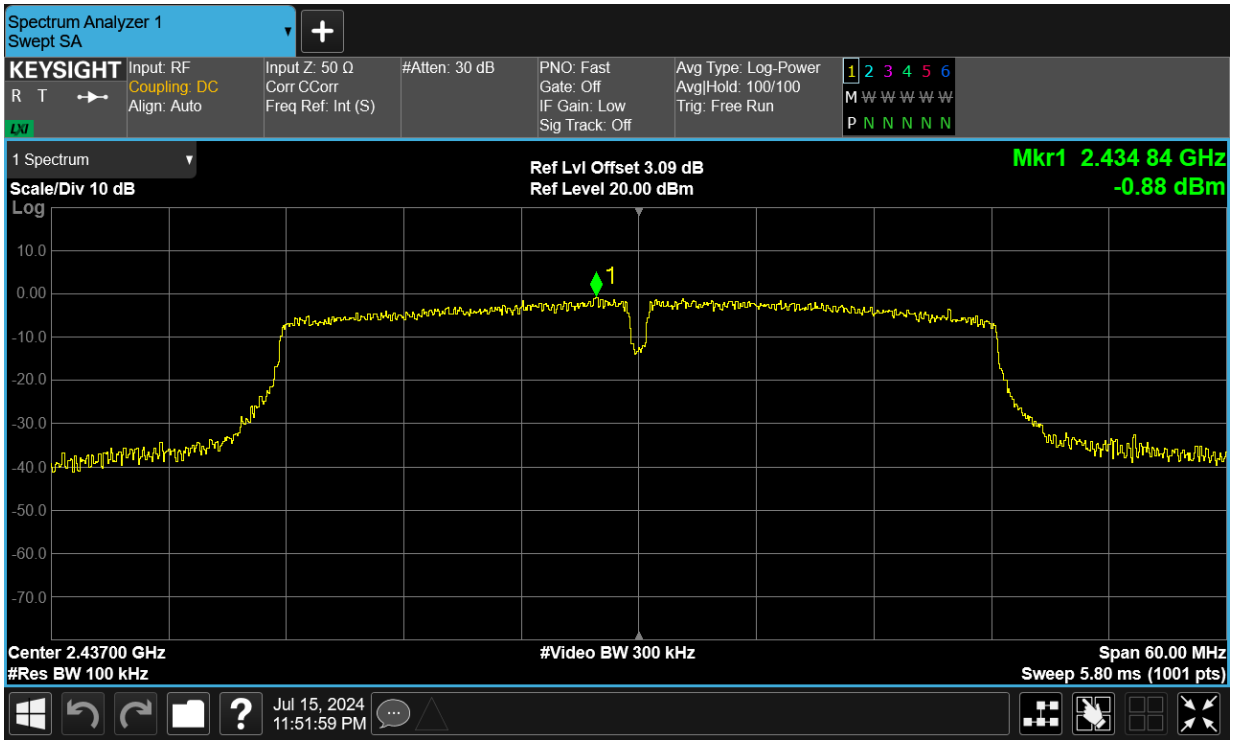
Tx. Spurious NVNT n40 2422MHz ANT14 Ref



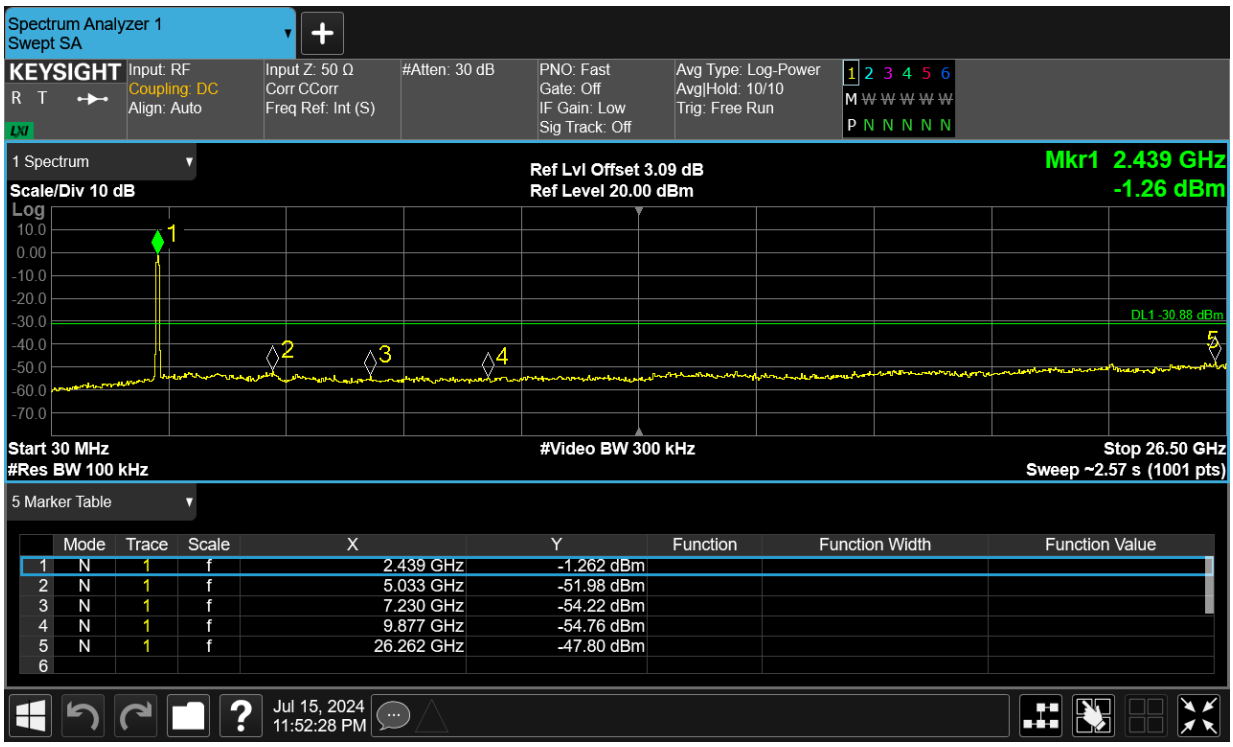
Tx. Spurious NVNT n40 2422MHz ANT14 Emission



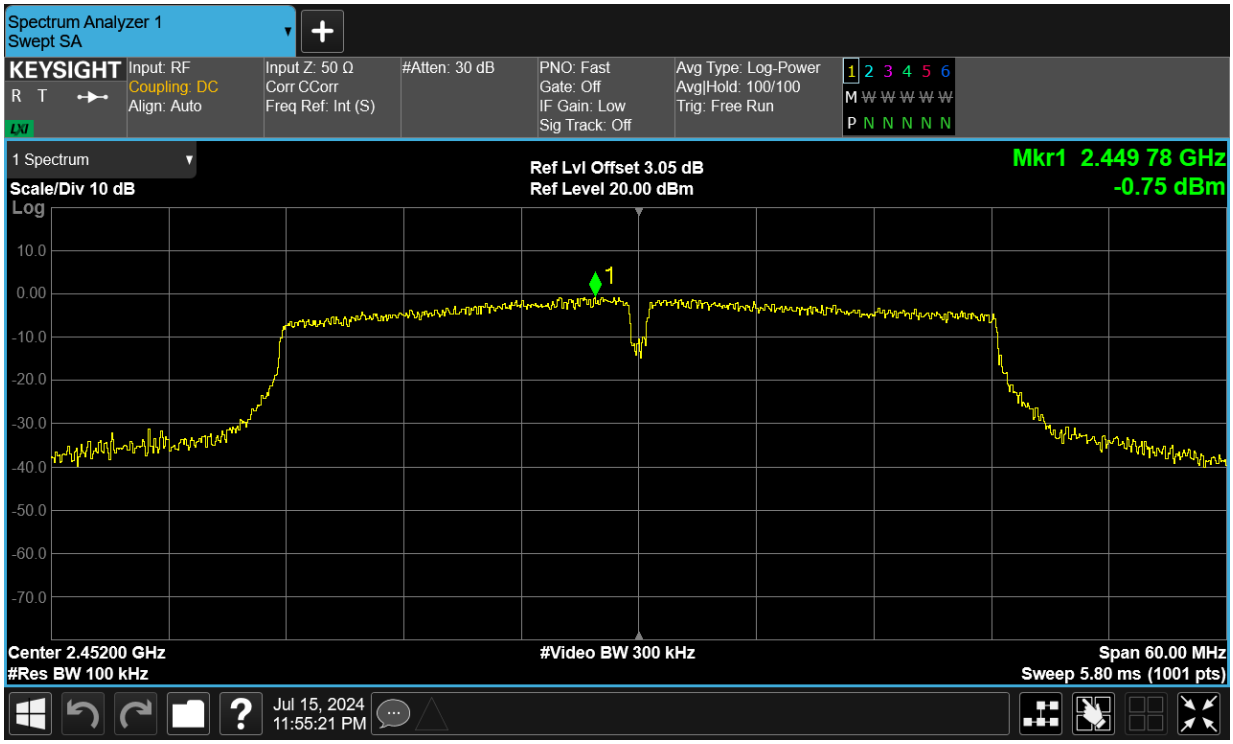
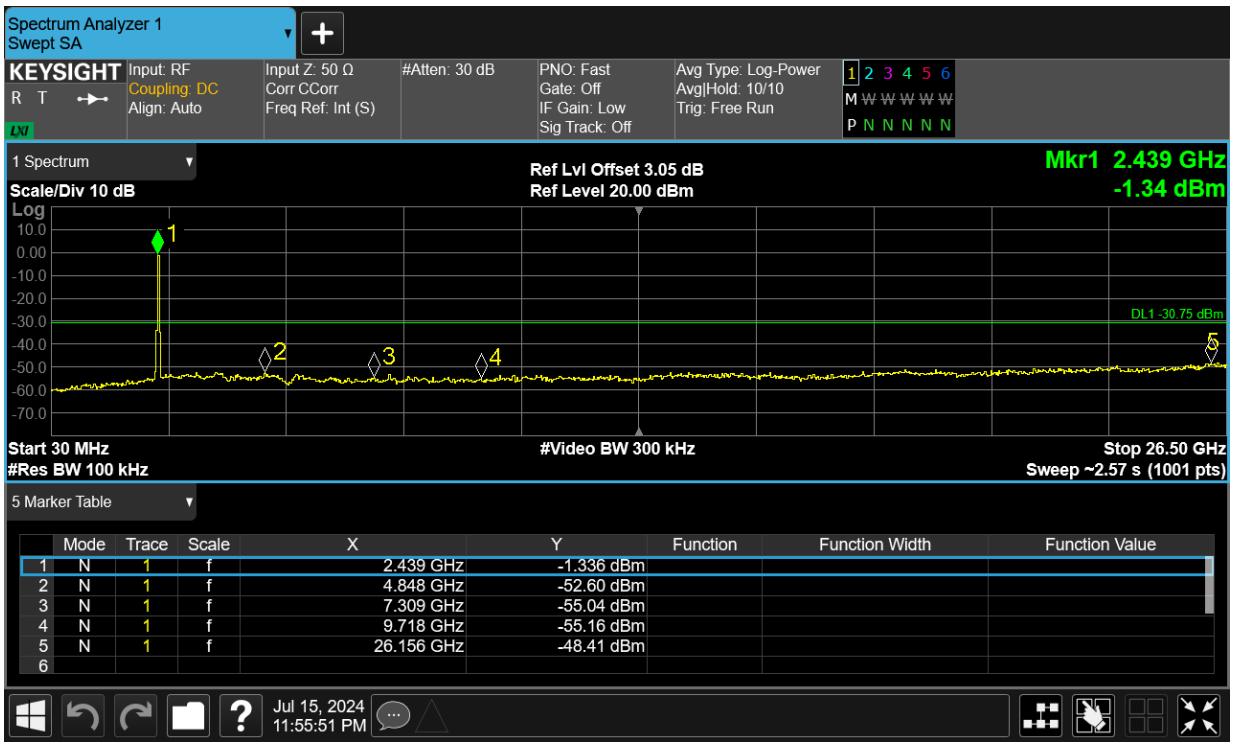
Tx. Spurious NVNT n40 2437MHz ANT14 Ref



Tx. Spurious NVNT n40 2437MHz ANT14 Emission



Tx. Spurious NVNT n40 2452MHz ANT14 Ref



Tx. Spurious NVNT n40 2452MHz ANT14 Emission