

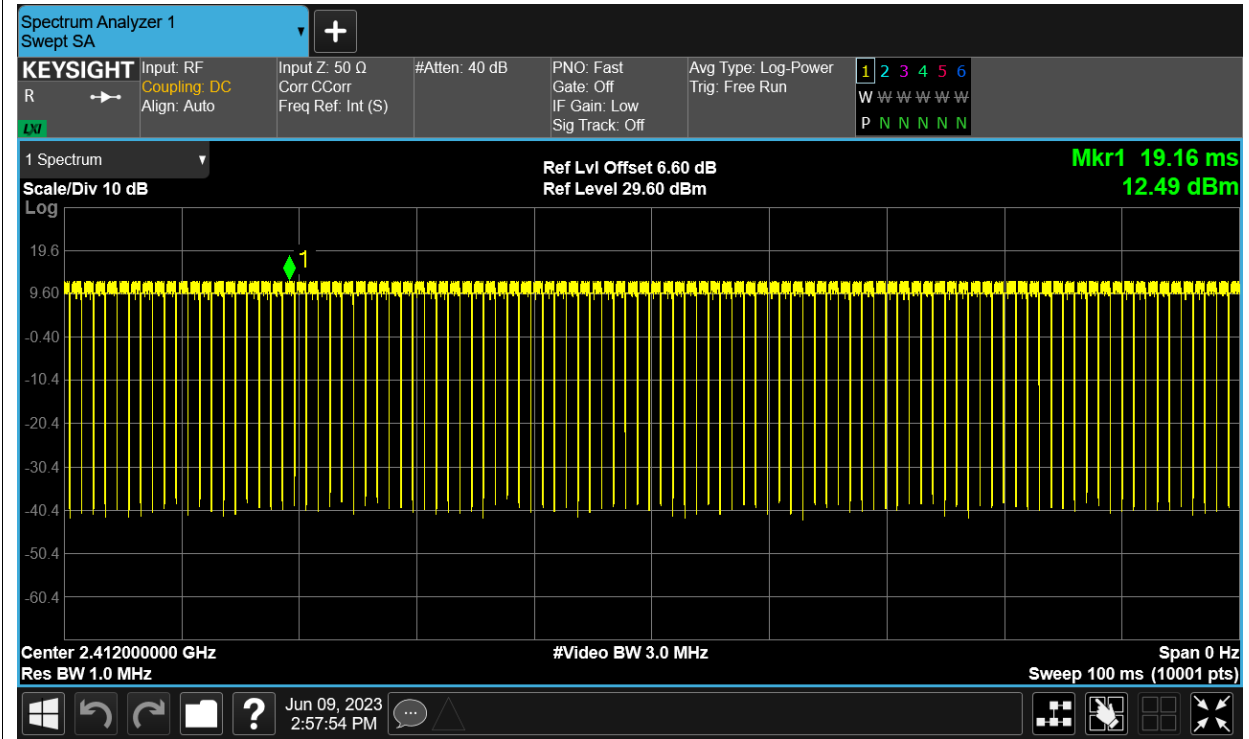
## Test Data

### Duty Cycle

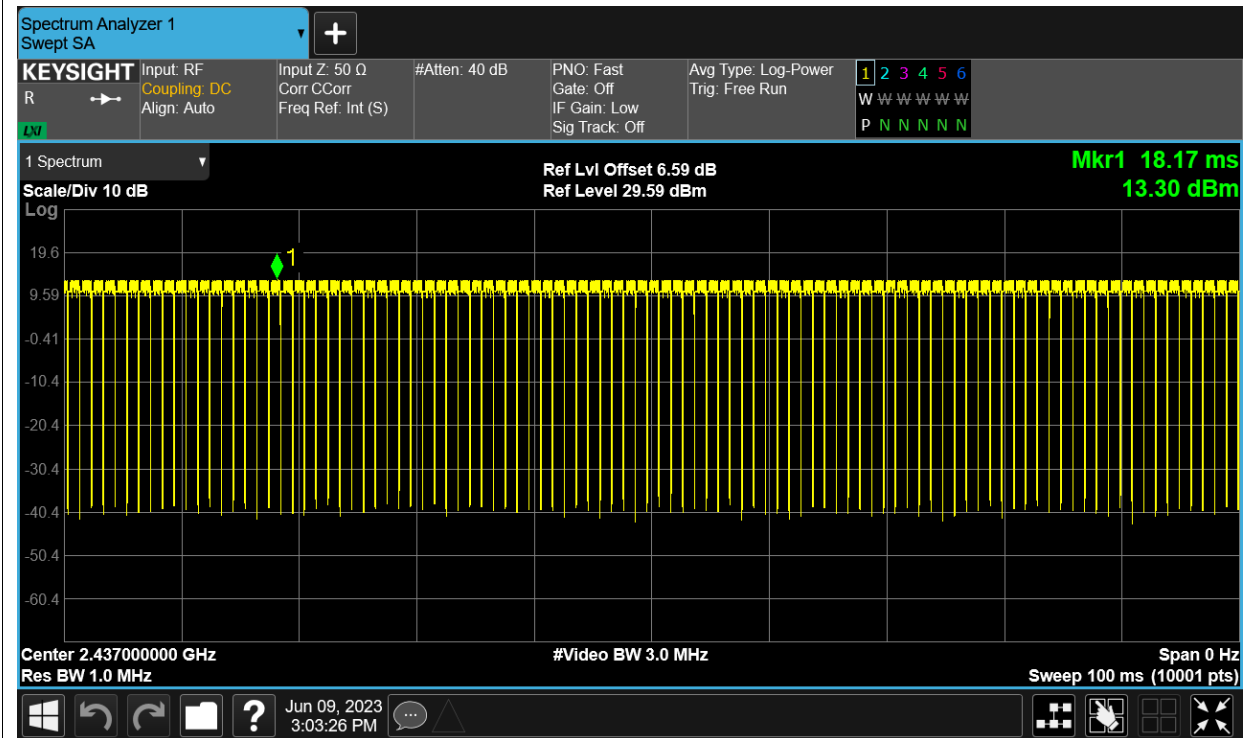
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	99.21	0.03
NVNT	b	2437	Ant1	99.27	0.03
NVNT	b	2462	Ant1	99.38	0.03
NVNT	g	2412	Ant1	90.52	0.43
NVNT	g	2437	Ant1	96.98	0.13
NVNT	g	2462	Ant1	97.7	0.1
NVNT	n20	2412	Ant1	98.64	0.06
NVNT	n20	2437	Ant1	98.95	0.05
NVNT	n20	2462	Ant1	99.12	0.04
NVNT	n40	2422	Ant1	97.45	0.11
NVNT	n40	2437	Ant1	97.81	0.1
NVNT	n40	2452	Ant1	98.44	0.07

Test Graphs

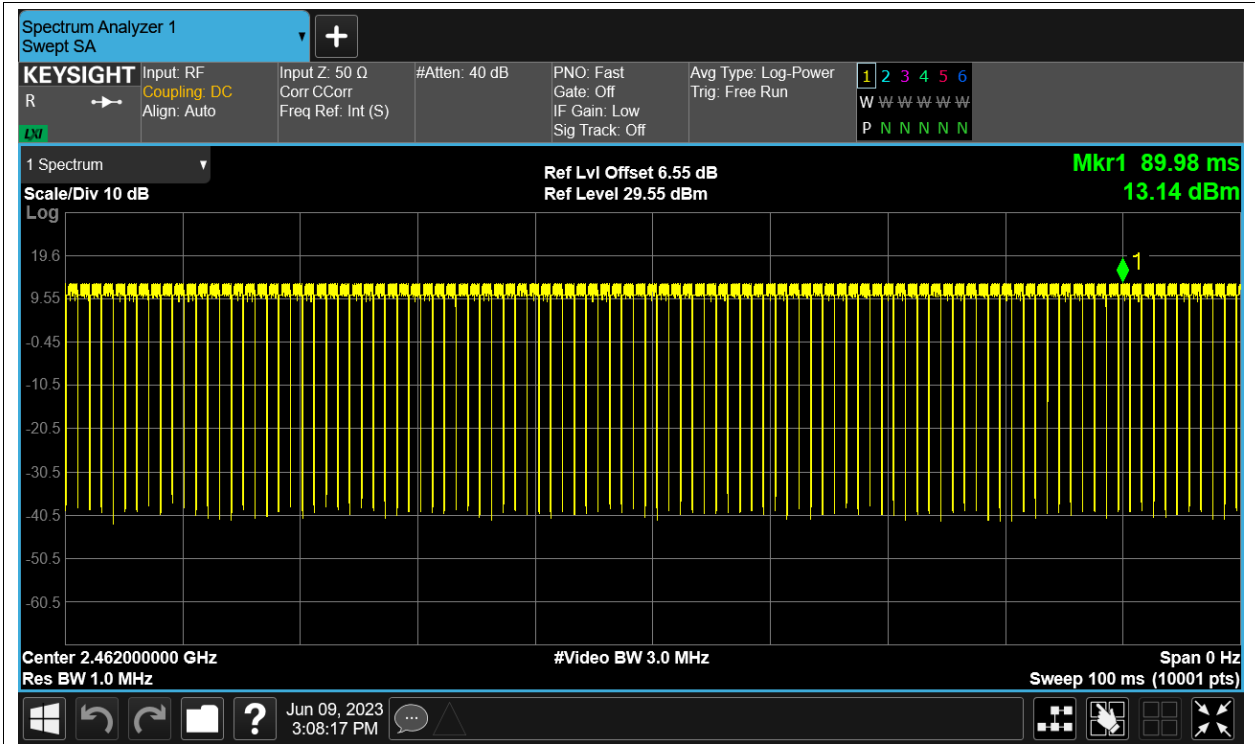
Duty Cycle NVNT b 2412MHz Ant1



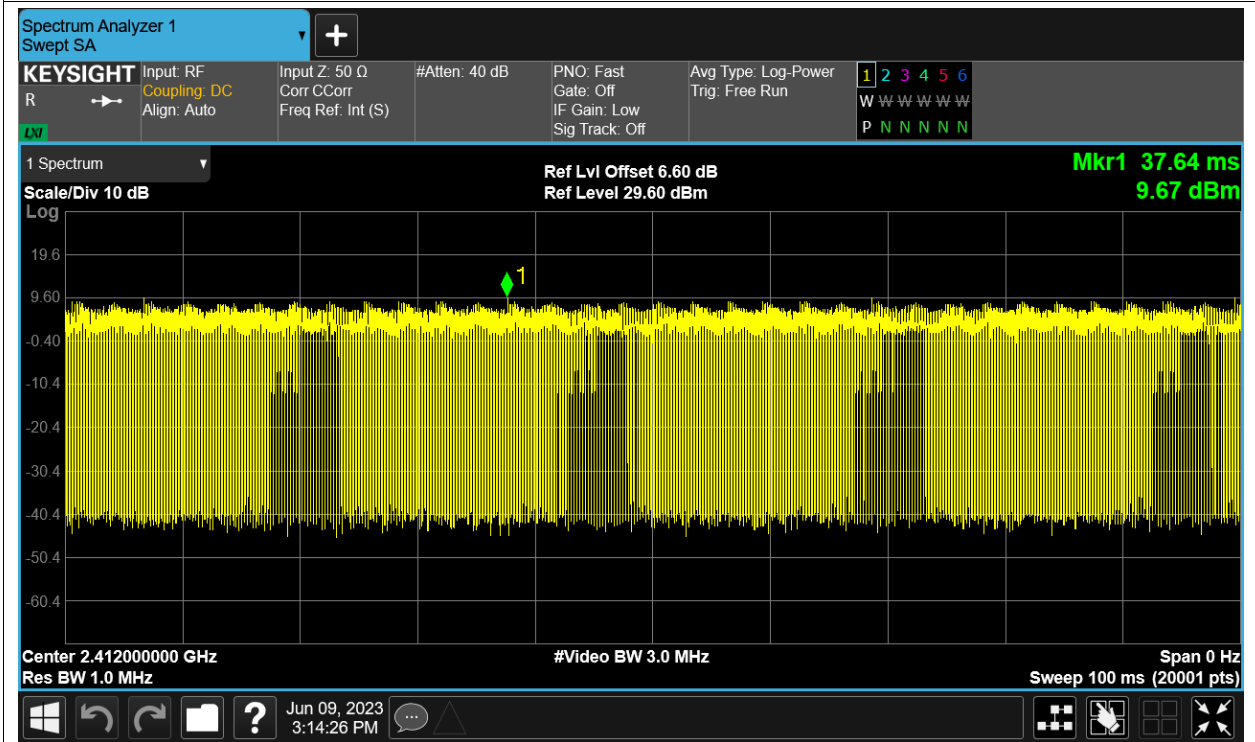
Duty Cycle NVNT b 2437MHz Ant1



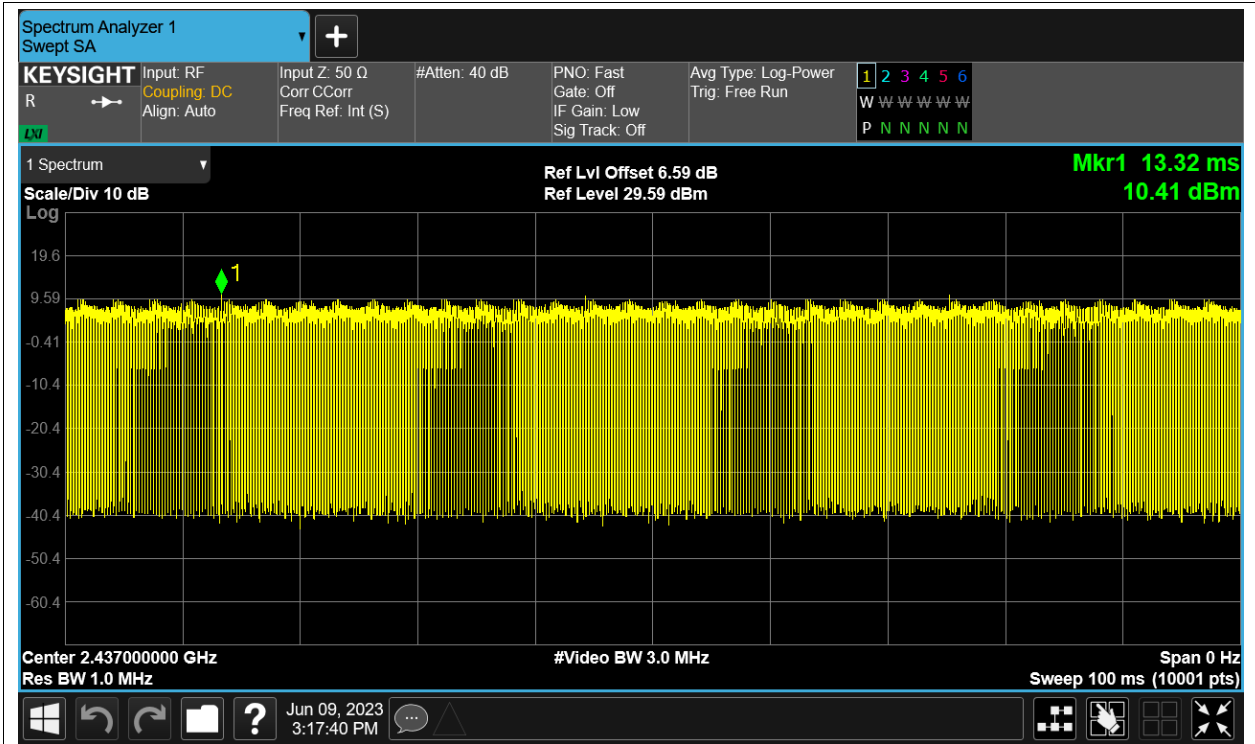
Duty Cycle NVNT b 2462MHz Ant1



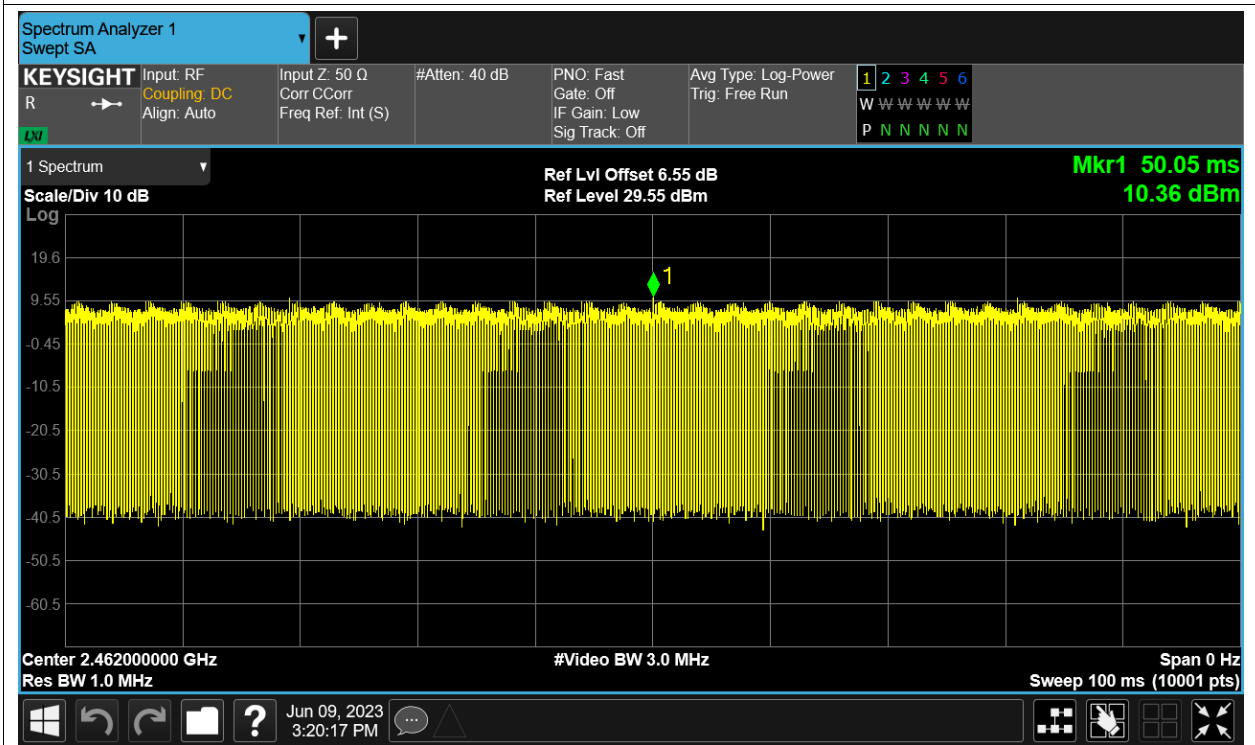
Duty Cycle NVNT g 2412MHz Ant1



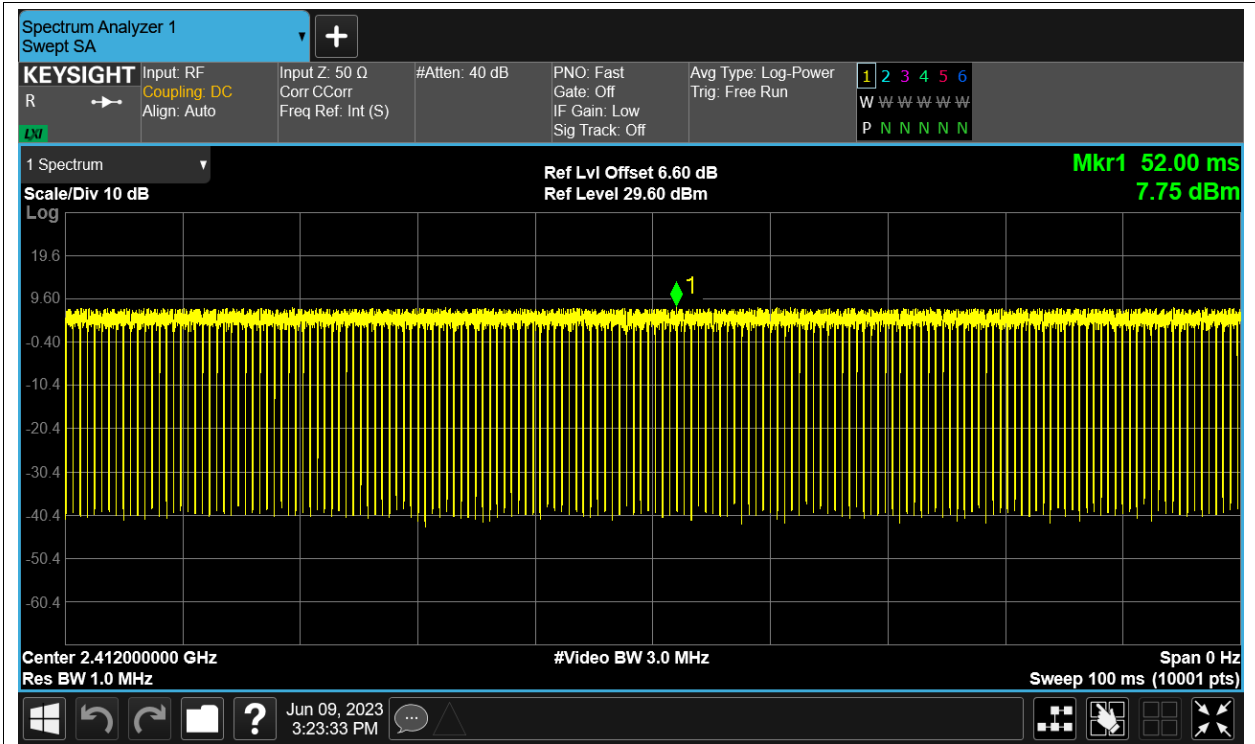
Duty Cycle NVNT g 2437MHz Ant1



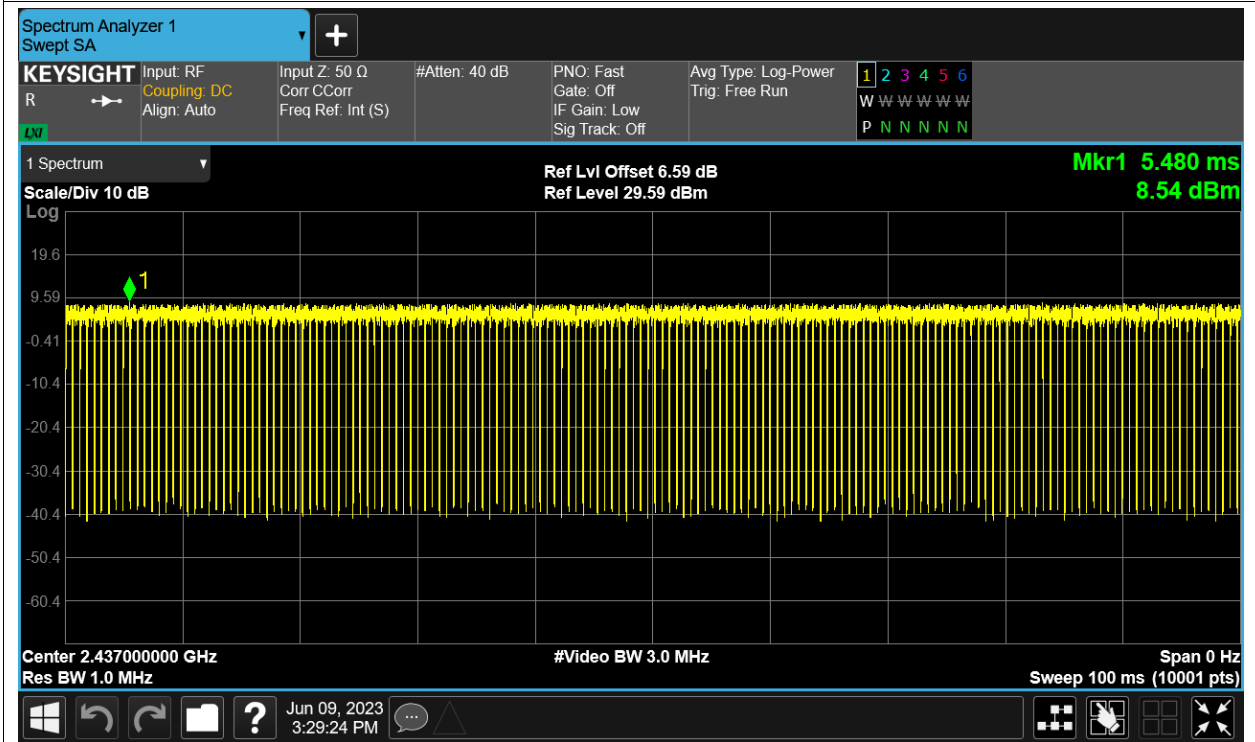
Duty Cycle NVNT g 2462MHz Ant1



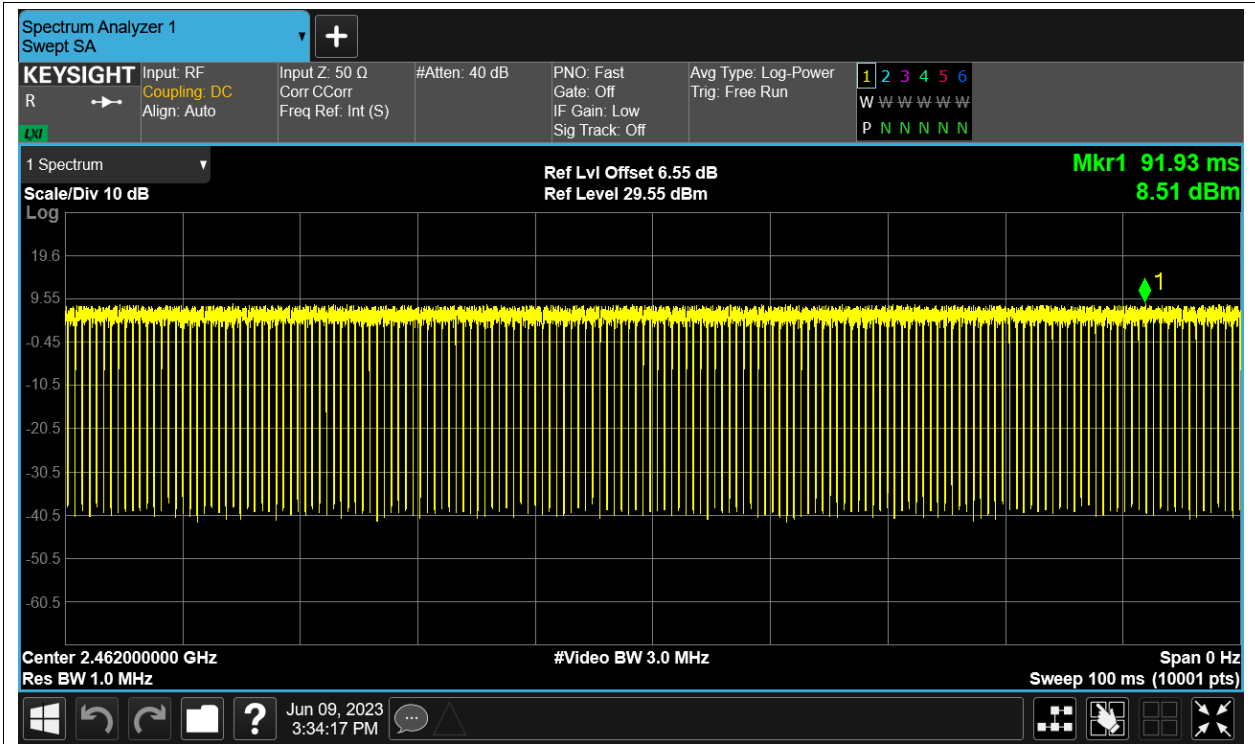
Duty Cycle NVNT n20 2412MHz Ant1



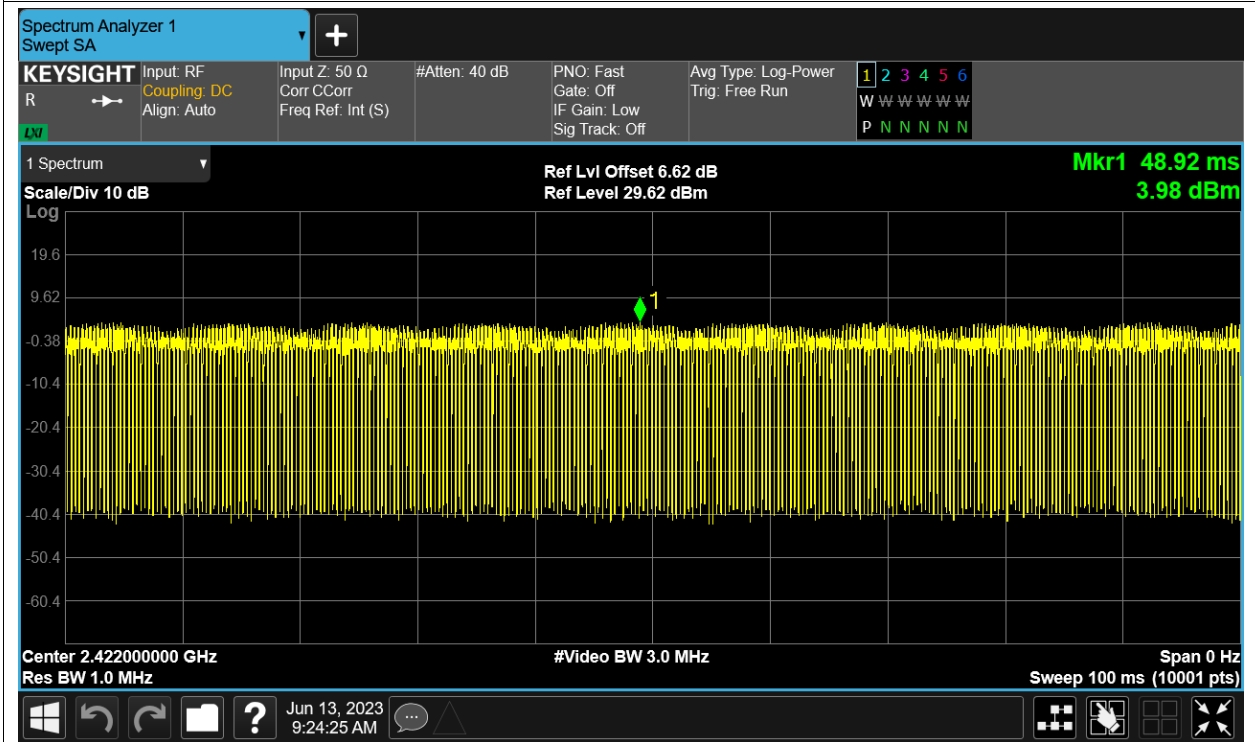
Duty Cycle NVNT n20 2437MHz Ant1



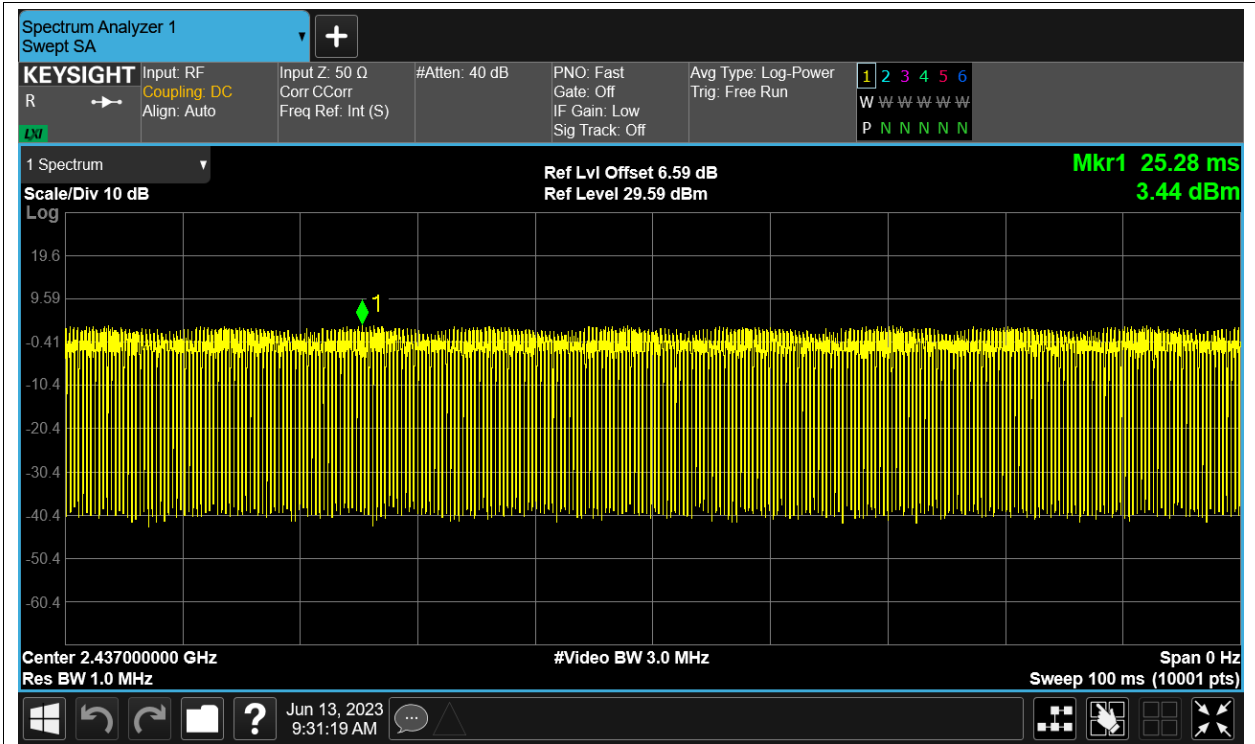
Duty Cycle NVNT n20 2462MHz Ant1



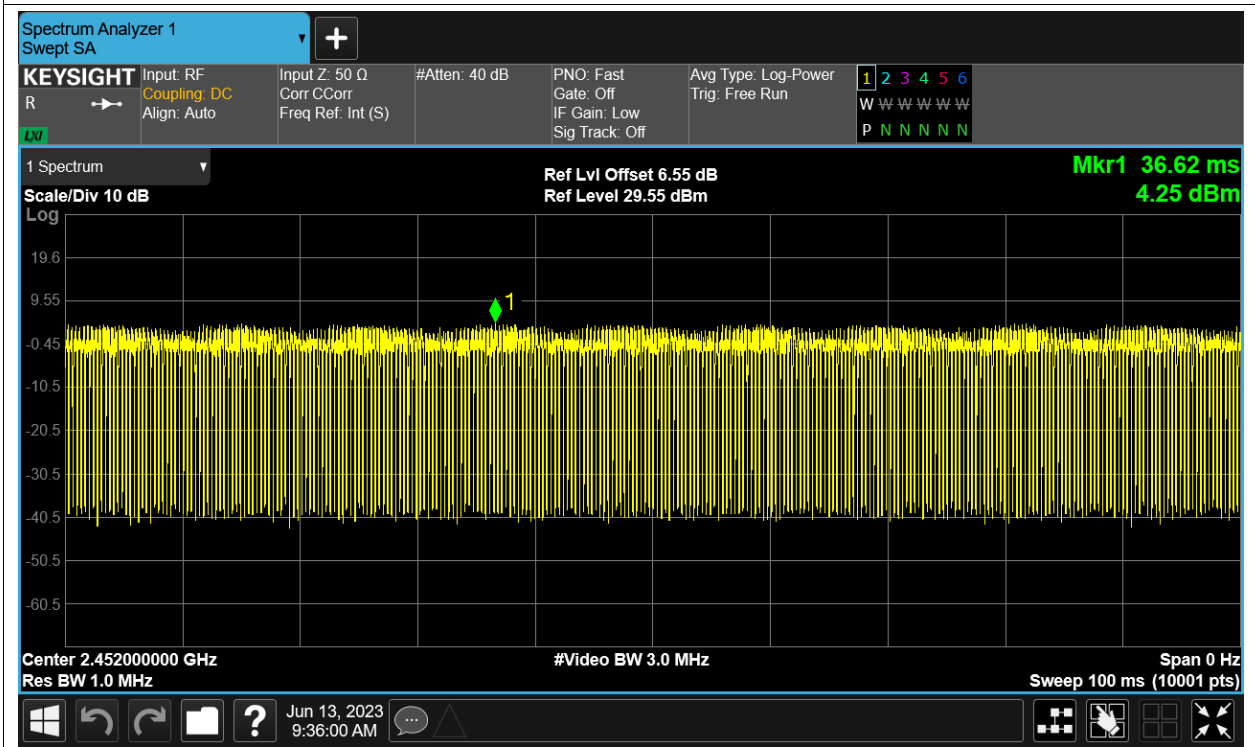
Duty Cycle NVNT n40 2422MHz Ant1



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	15.91	0.03	15.94	30	Pass
NVNT	b	2437	Ant1	16.37	0.03	16.4	30	Pass
NVNT	b	2462	Ant1	16.27	0.03	16.3	30	Pass
NVNT	g	2412	Ant1	13.22	0.43	13.65	30	Pass
NVNT	g	2437	Ant1	13.73	0.13	13.86	30	Pass
NVNT	g	2462	Ant1	13.63	0.1	13.73	30	Pass
NVNT	n20	2412	Ant1	13.26	0.06	13.32	30	Pass
NVNT	n20	2437	Ant1	13.76	0.05	13.81	30	Pass
NVNT	n20	2462	Ant1	13.64	0.04	13.68	30	Pass
NVNT	n40	2422	Ant1	13.7	0.11	13.81	30	Pass
NVNT	n40	2437	Ant1	13.87	0.1	13.97	30	Pass
NVNT	n40	2452	Ant1	13.72	0.07	13.79	30	Pass

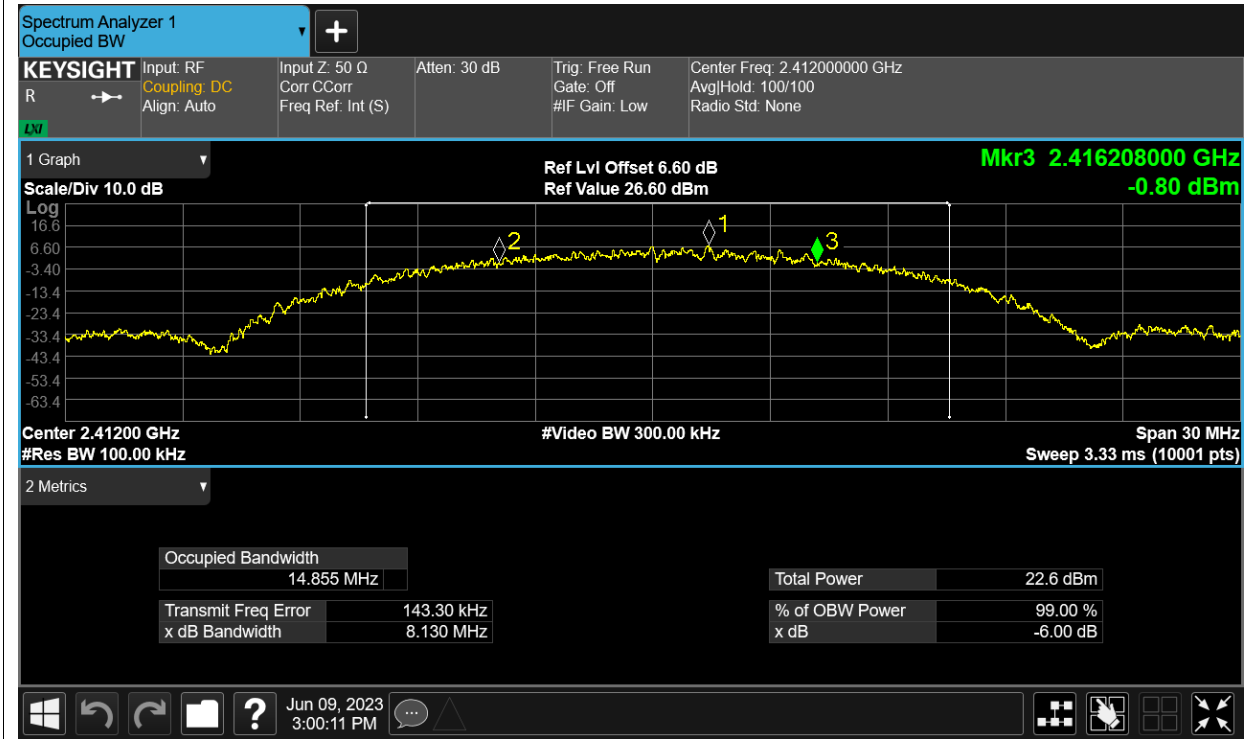


## -6dB Bandwidth

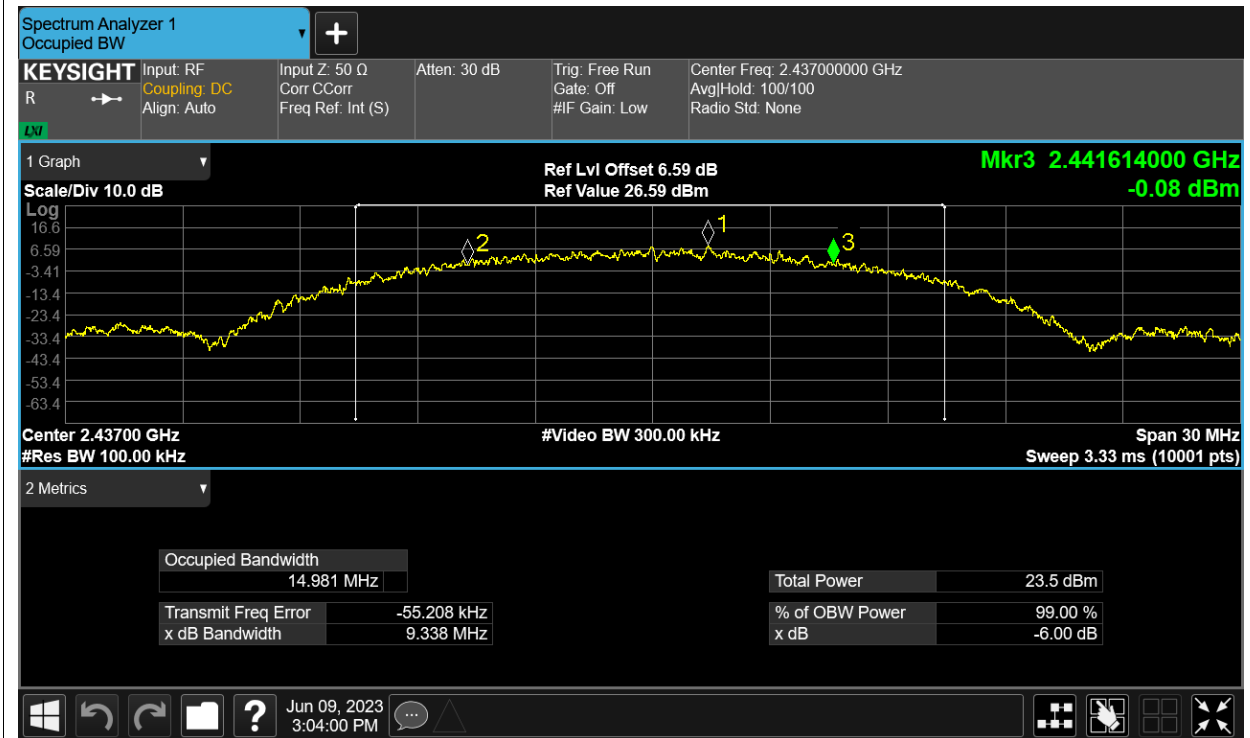
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant1	8.13	0.5	Pass
NVNT	b	2437	Ant1	9.338	0.5	Pass
NVNT	b	2462	Ant1	9.55	0.5	Pass
NVNT	g	2412	Ant1	16.412	0.5	Pass
NVNT	g	2437	Ant1	16.48	0.5	Pass
NVNT	g	2462	Ant1	16.473	0.5	Pass
NVNT	n20	2412	Ant1	17.677	0.5	Pass
NVNT	n20	2437	Ant1	17.737	0.5	Pass
NVNT	n20	2462	Ant1	17.649	0.5	Pass
NVNT	n40	2422	Ant1	35.724	0.5	Pass
NVNT	n40	2437	Ant1	36.303	0.5	Pass
NVNT	n40	2452	Ant1	35.567	0.5	Pass

Test Graphs

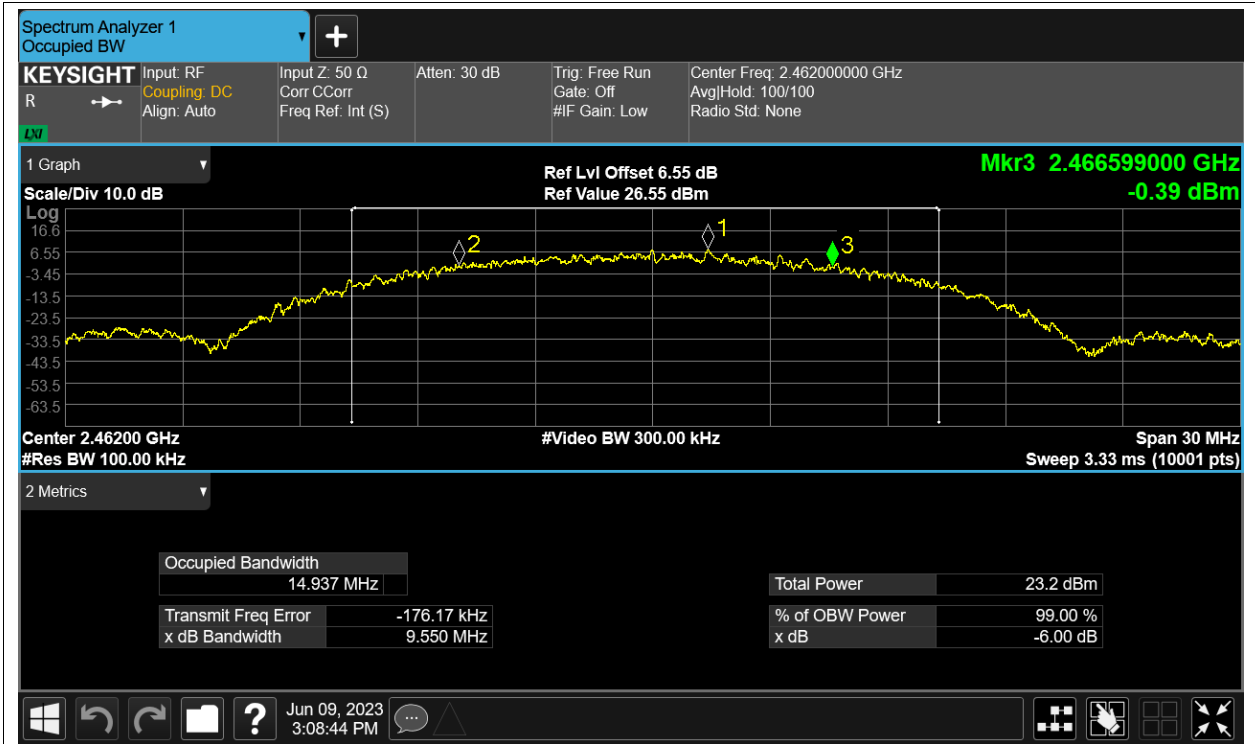
-6dB Bandwidth NVNT b 2412MHz Ant1



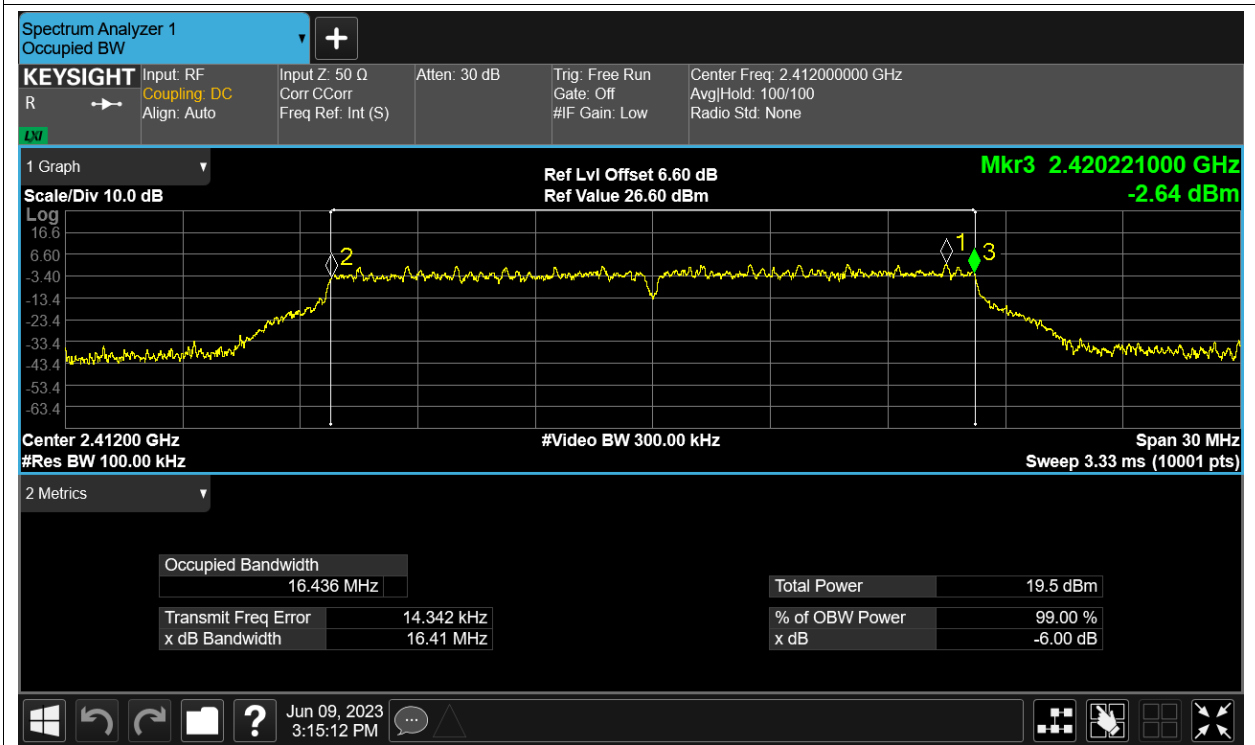
-6dB Bandwidth NVNT b 2437MHz Ant1



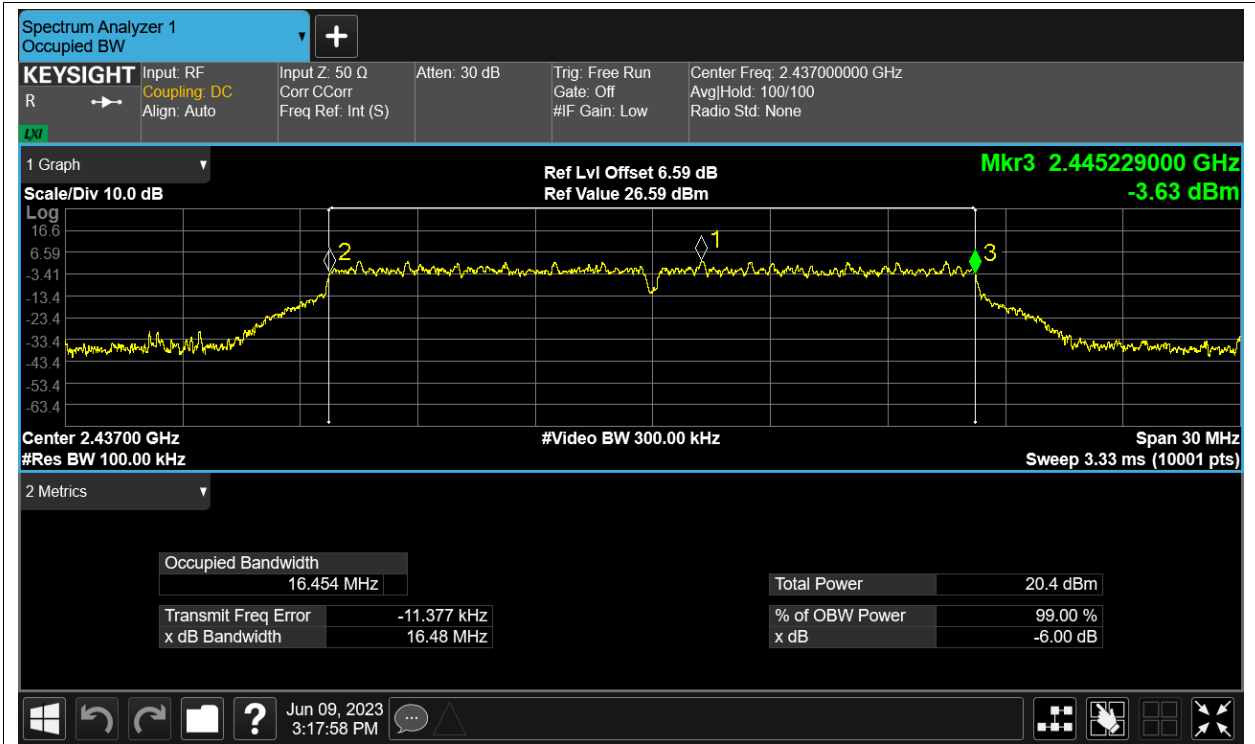
-6dB Bandwidth NVNT b 2462MHz Ant1



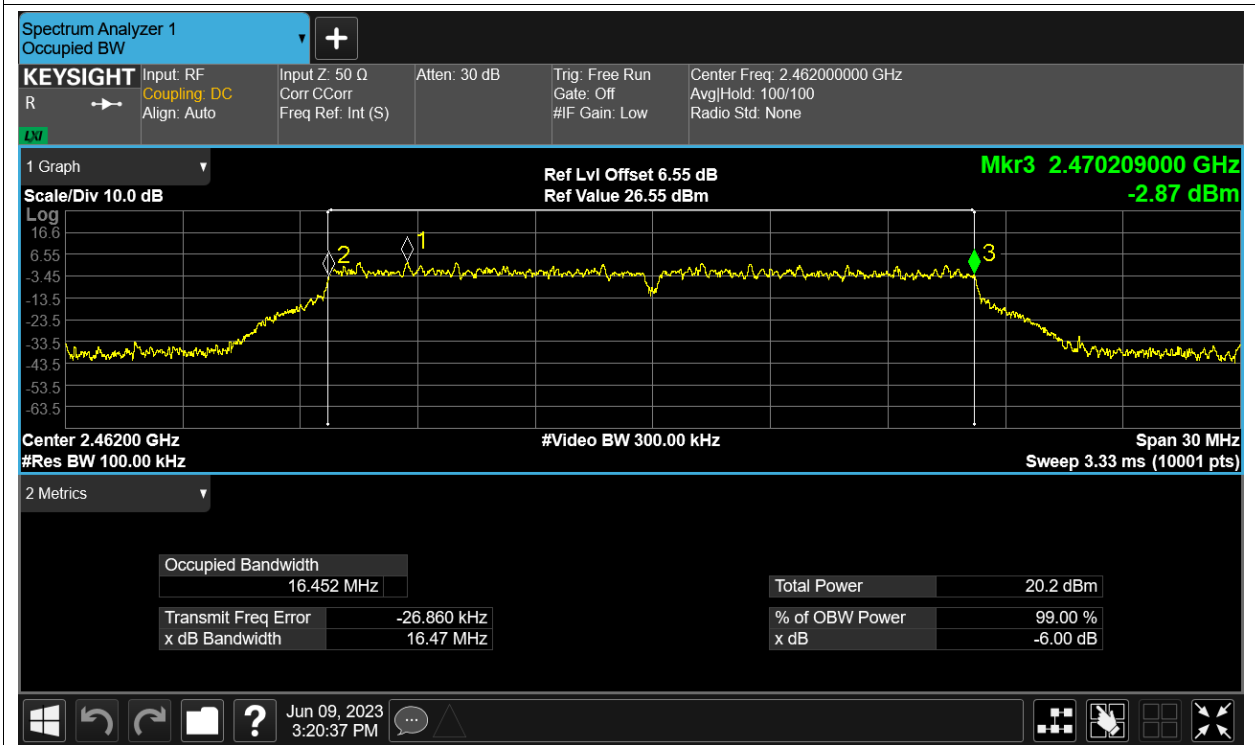
-6dB Bandwidth NVNT g 2412MHz Ant1



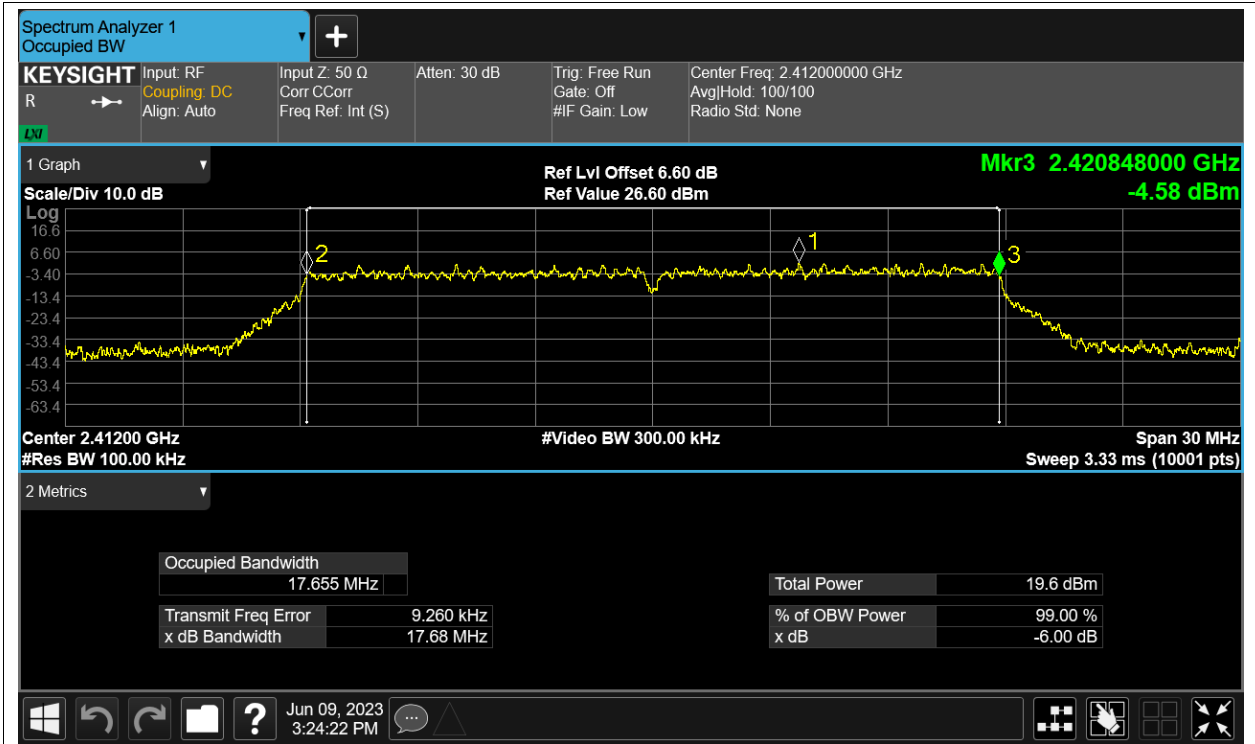
-6dB Bandwidth NVNT g 2437MHz Ant1



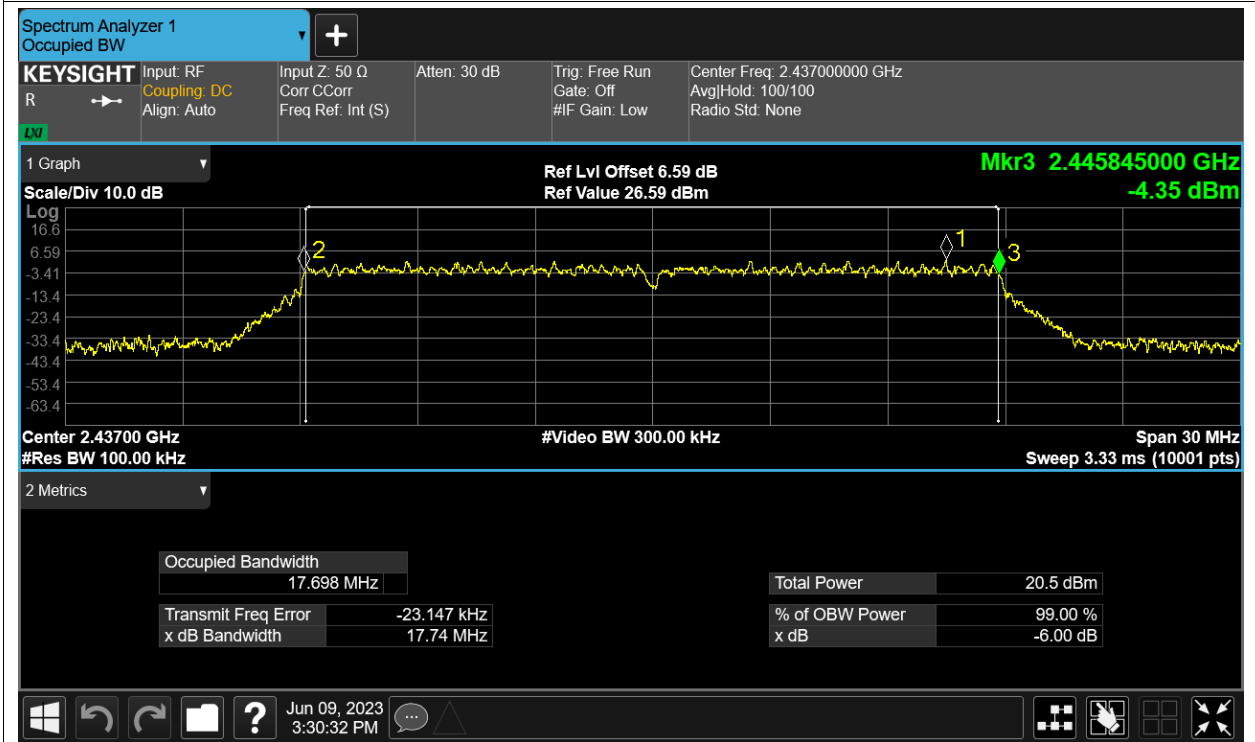
-6dB Bandwidth NVNT g 2462MHz Ant1



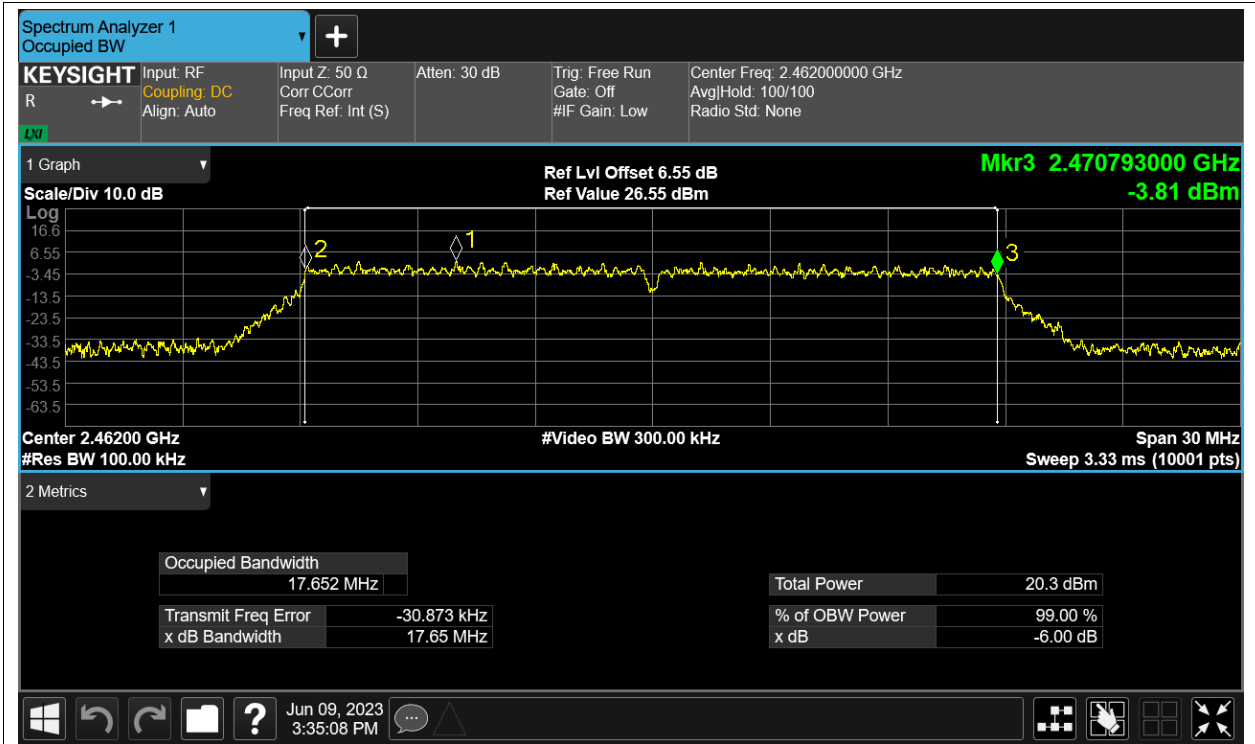
-6dB Bandwidth NVNT n20 2412MHz Ant1



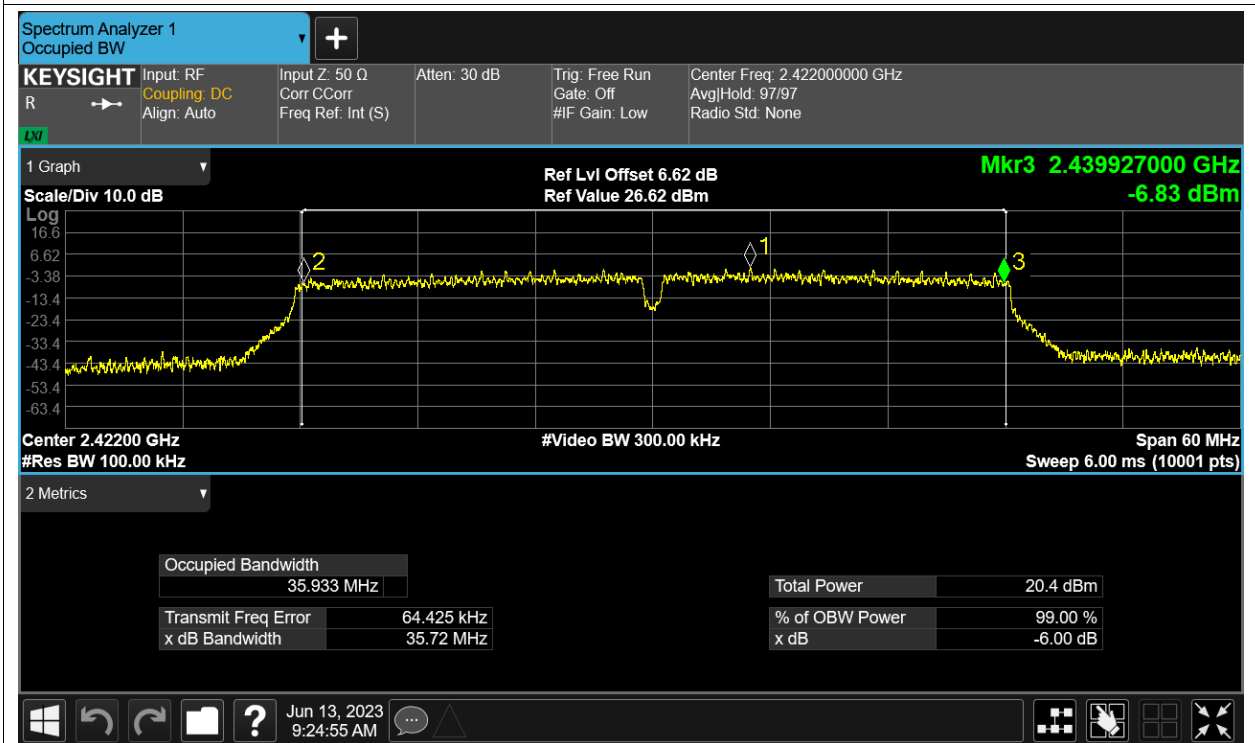
-6dB Bandwidth NVNT n20 2437MHz Ant1



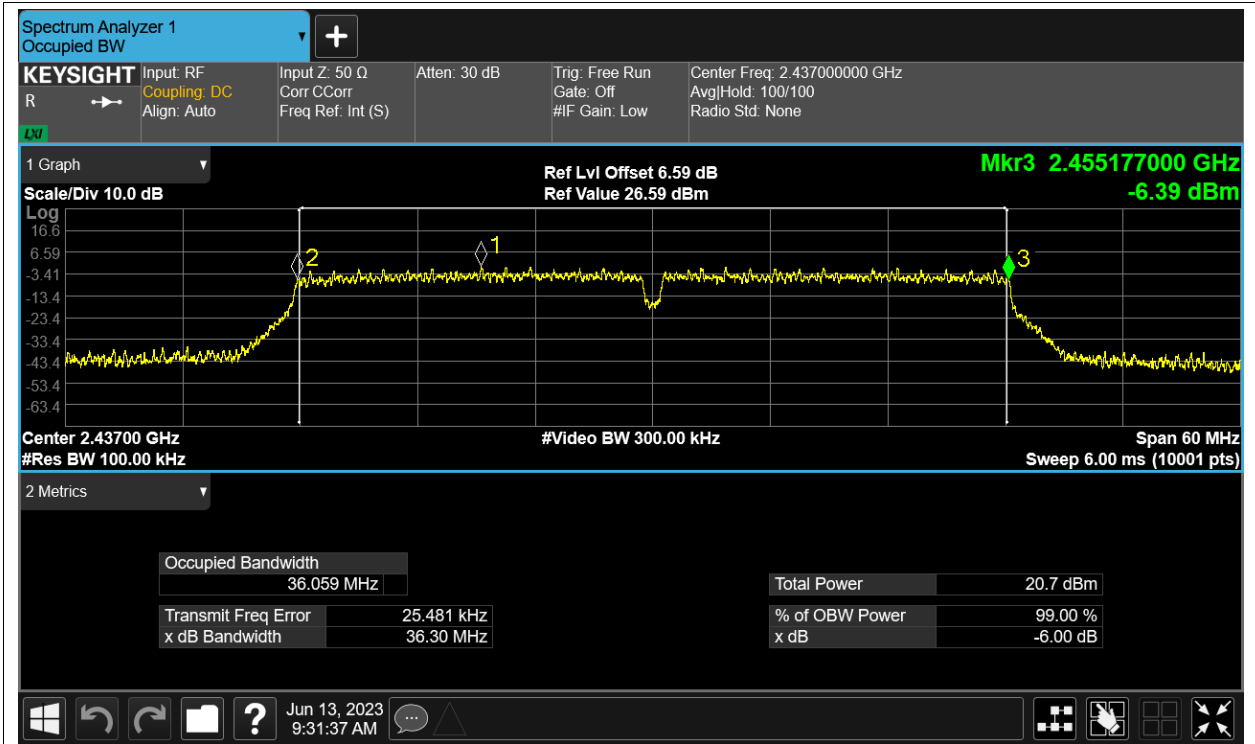
-6dB Bandwidth NVNT n20 2462MHz Ant1



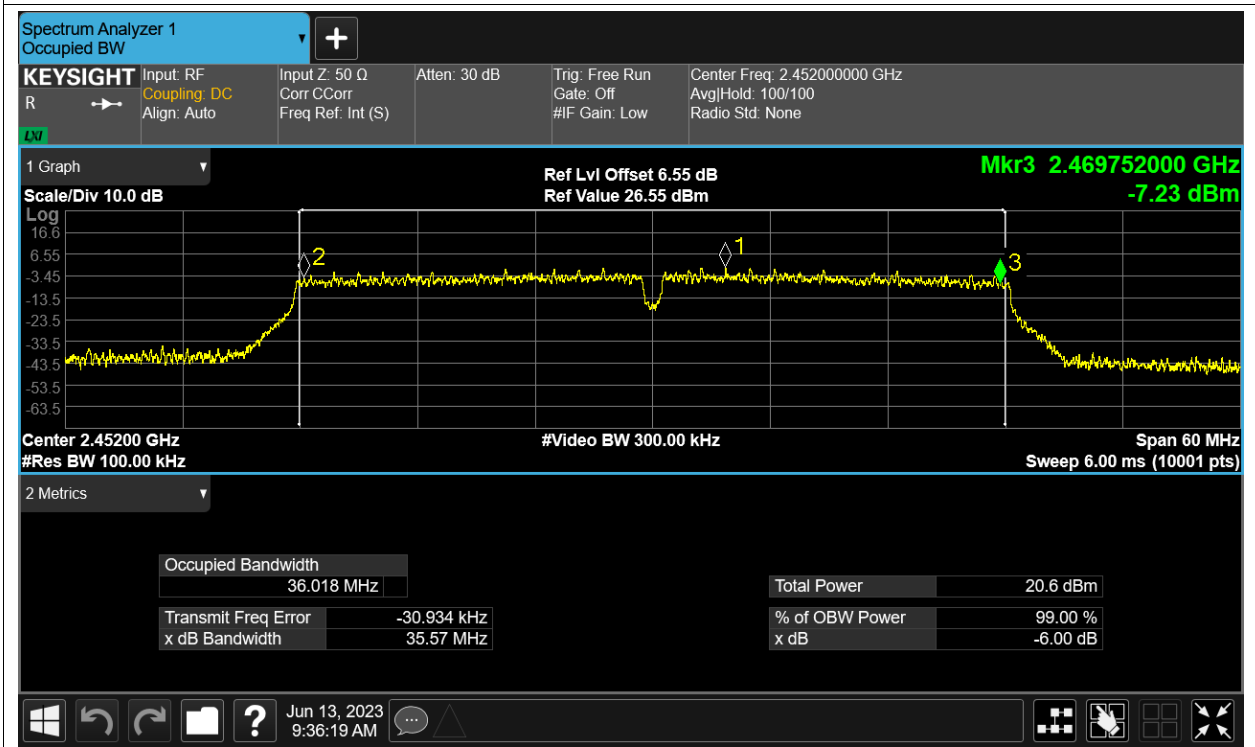
-6dB Bandwidth NVNT n40 2422MHz Ant1



-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	14.838
NVNT	b	2437	Ant1	14.955
NVNT	b	2462	Ant1	14.885
NVNT	g	2412	Ant1	16.533
NVNT	g	2437	Ant1	16.558
NVNT	g	2462	Ant1	16.55
NVNT	n20	2412	Ant1	17.755
NVNT	n20	2437	Ant1	17.716
NVNT	n20	2462	Ant1	17.75
NVNT	n40	2422	Ant1	36.139
NVNT	n40	2437	Ant1	36.166
NVNT	n40	2452	Ant1	36.11

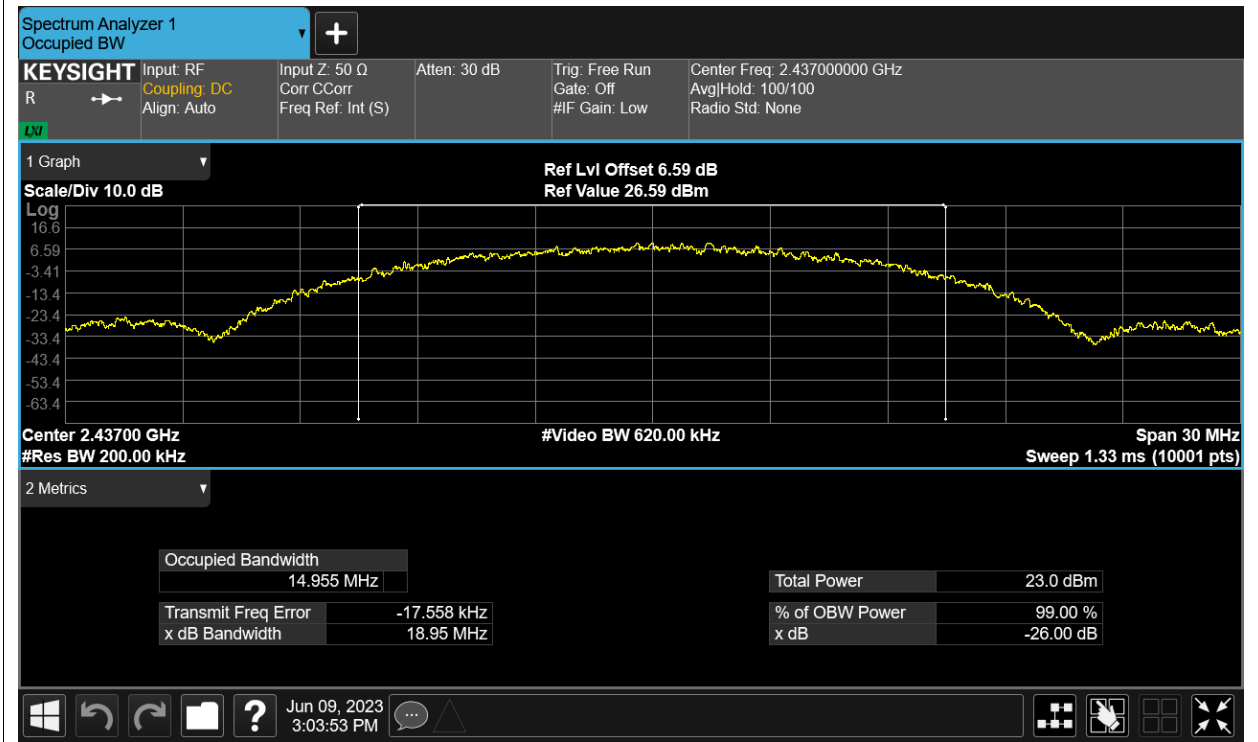


Test Graphs

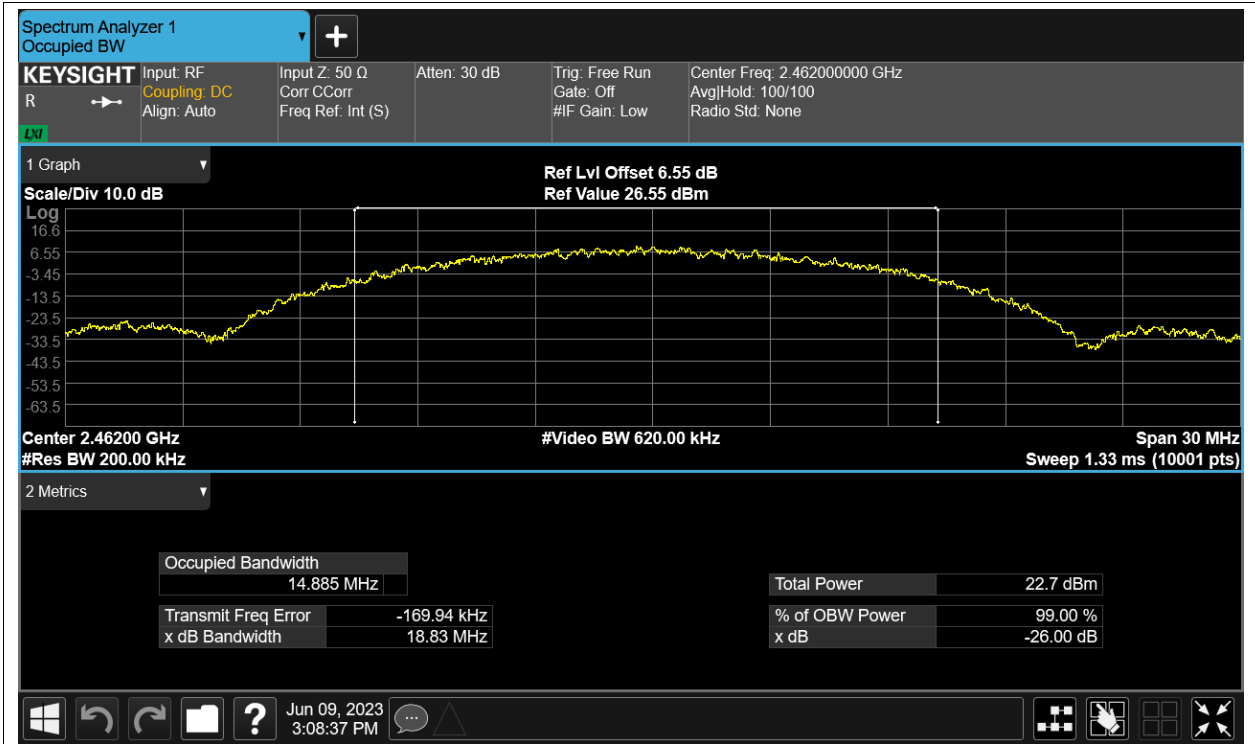
OBW NVNT b 2412MHz Ant1



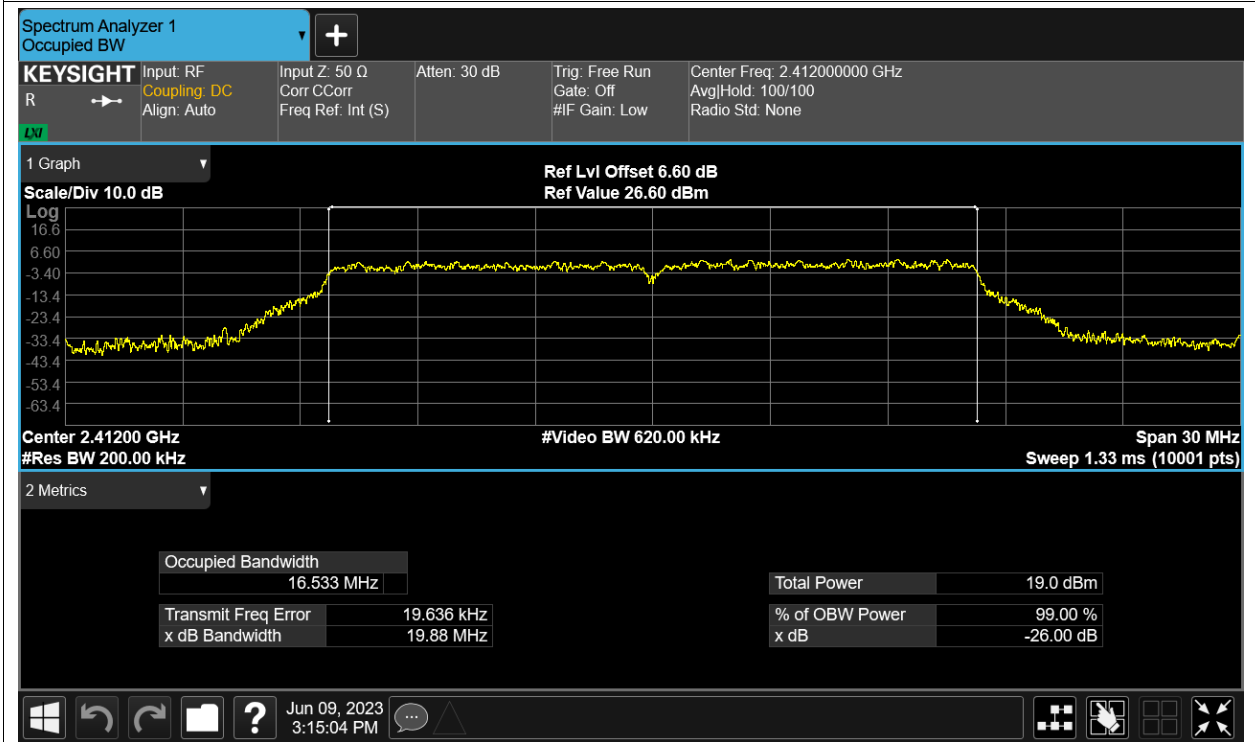
OBW NVNT b 2437MHz Ant1



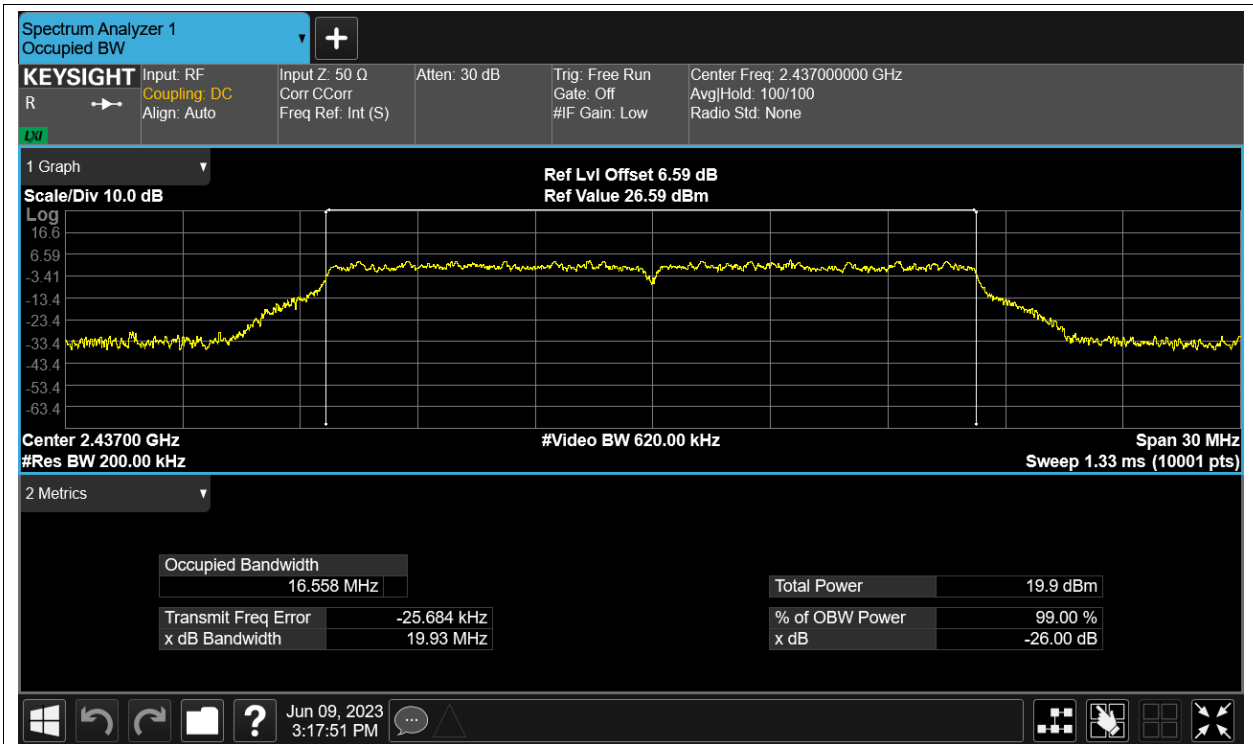
OBW NVNT b 2462MHz Ant1



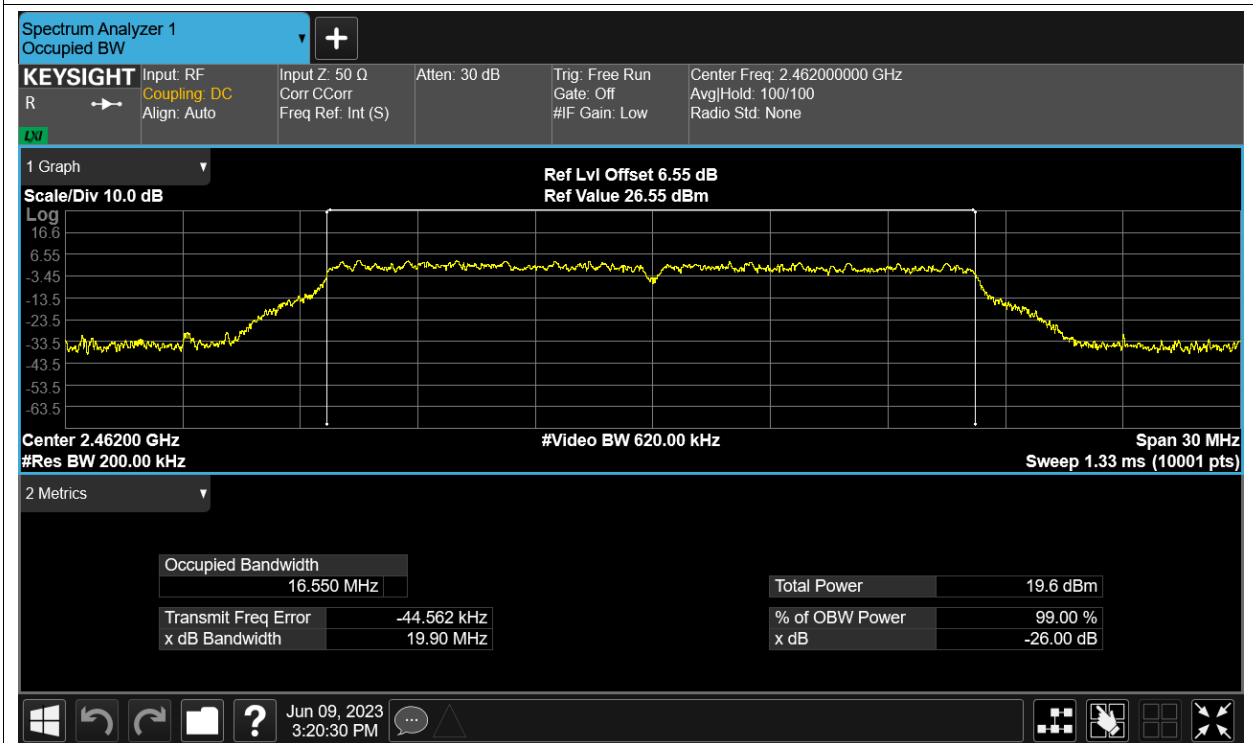
OBW NVNT g 2412MHz Ant1



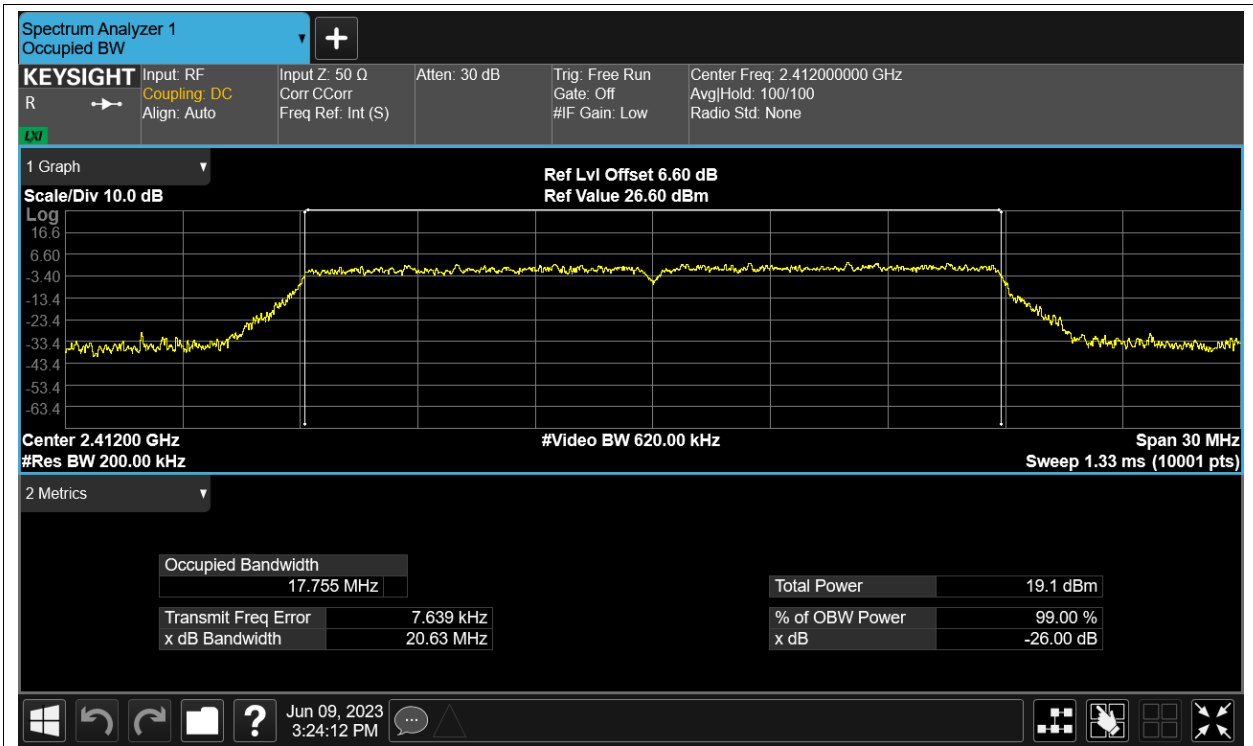
OBW NVNT g 2437MHz Ant1



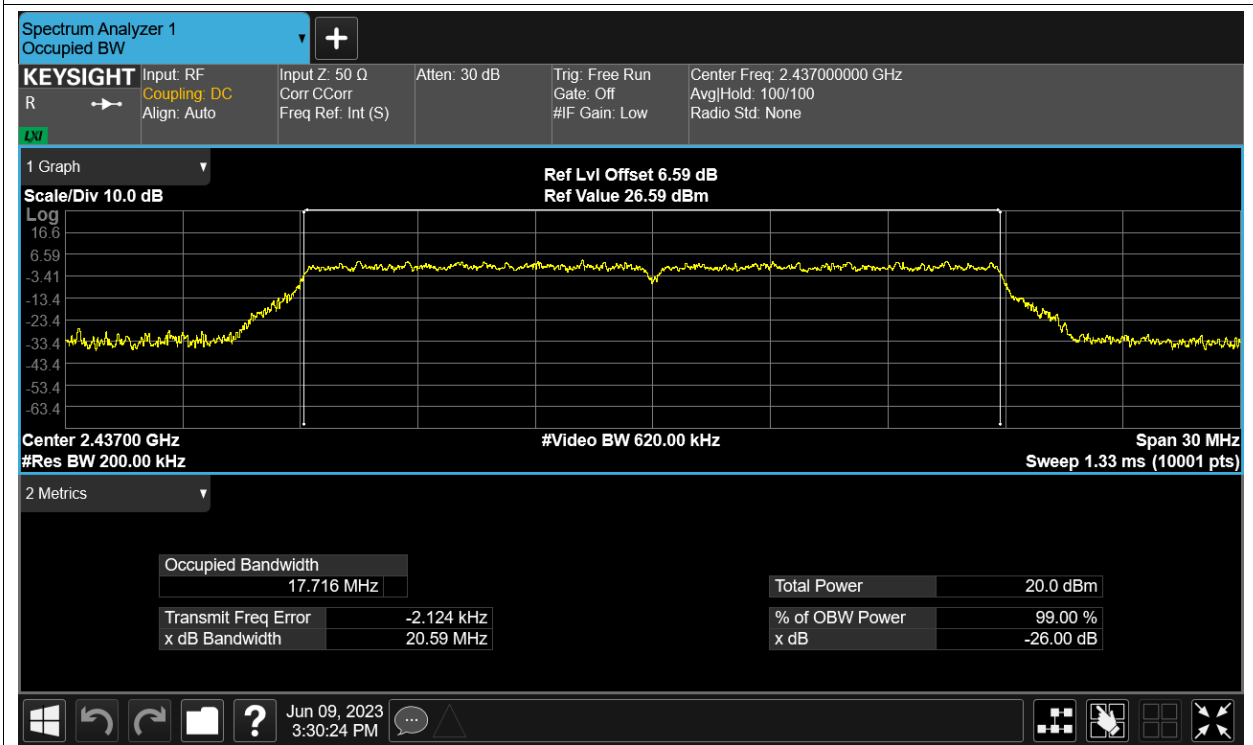
OBW NVNT g 2462MHz Ant1



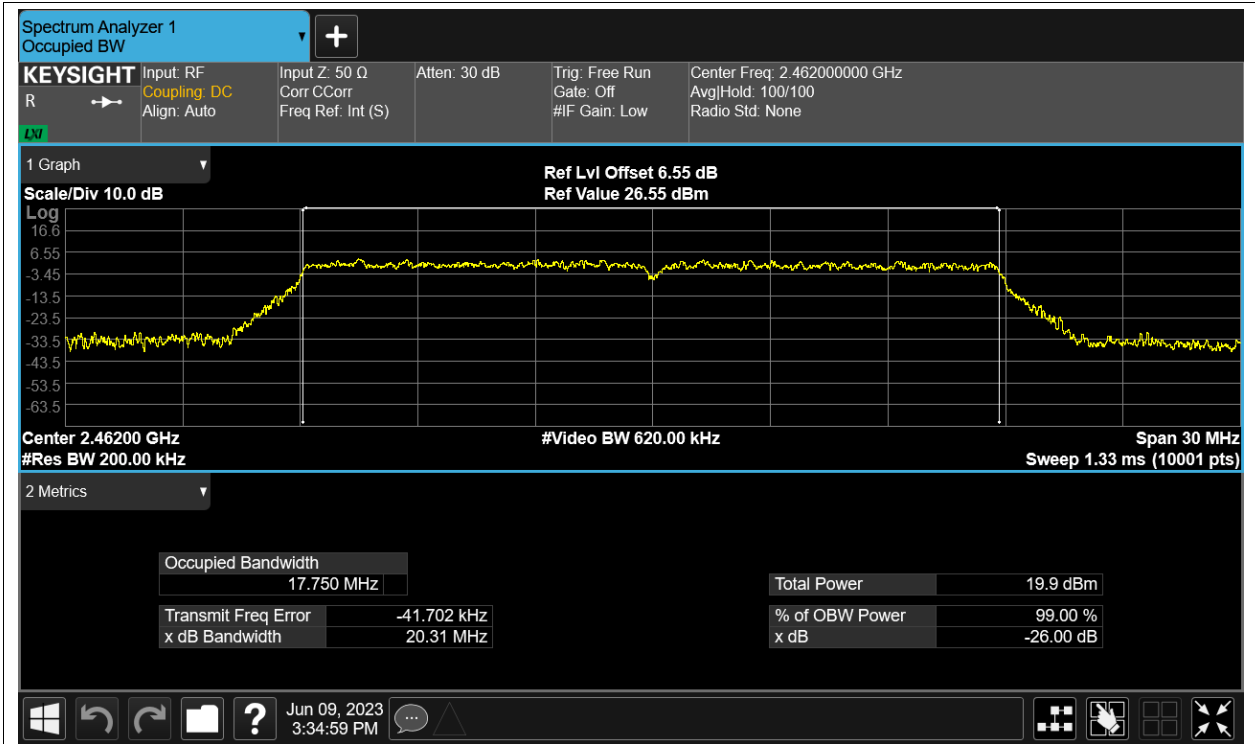
OBW NVNT n20 2412MHz Ant1



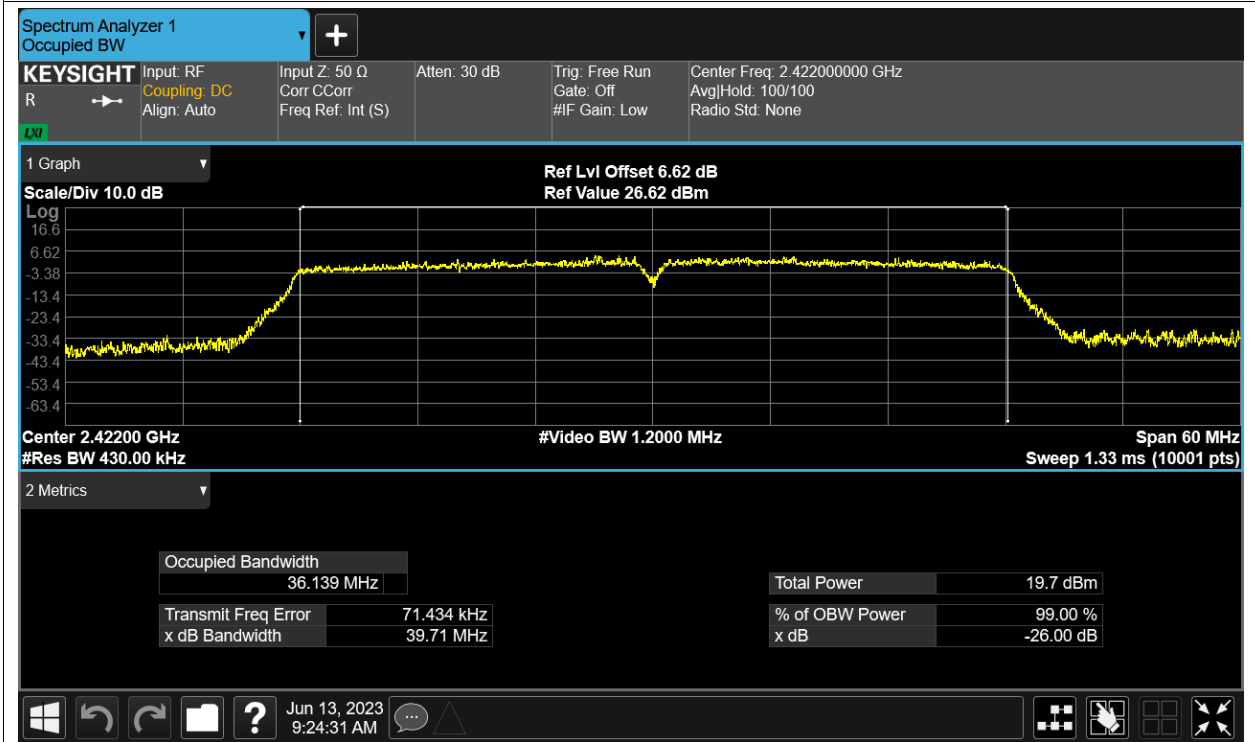
OBW NVNT n20 2437MHz Ant1



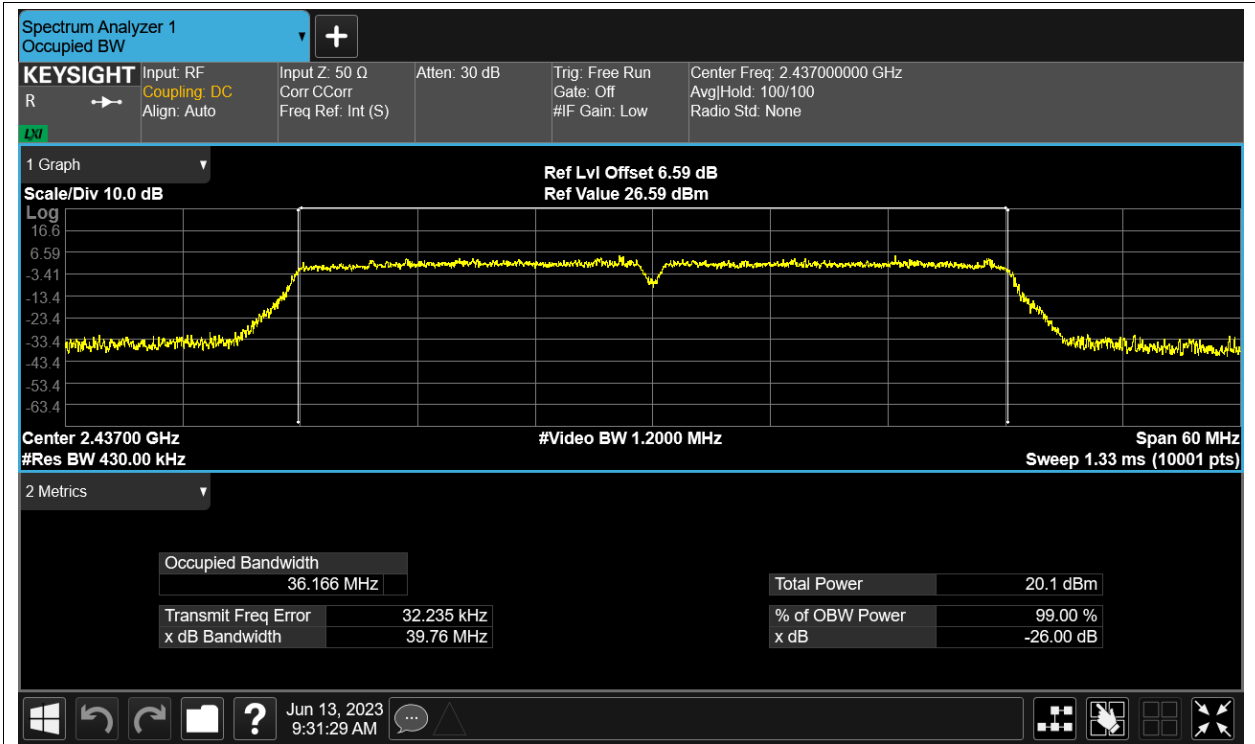
OBW NVNT n20 2462MHz Ant1



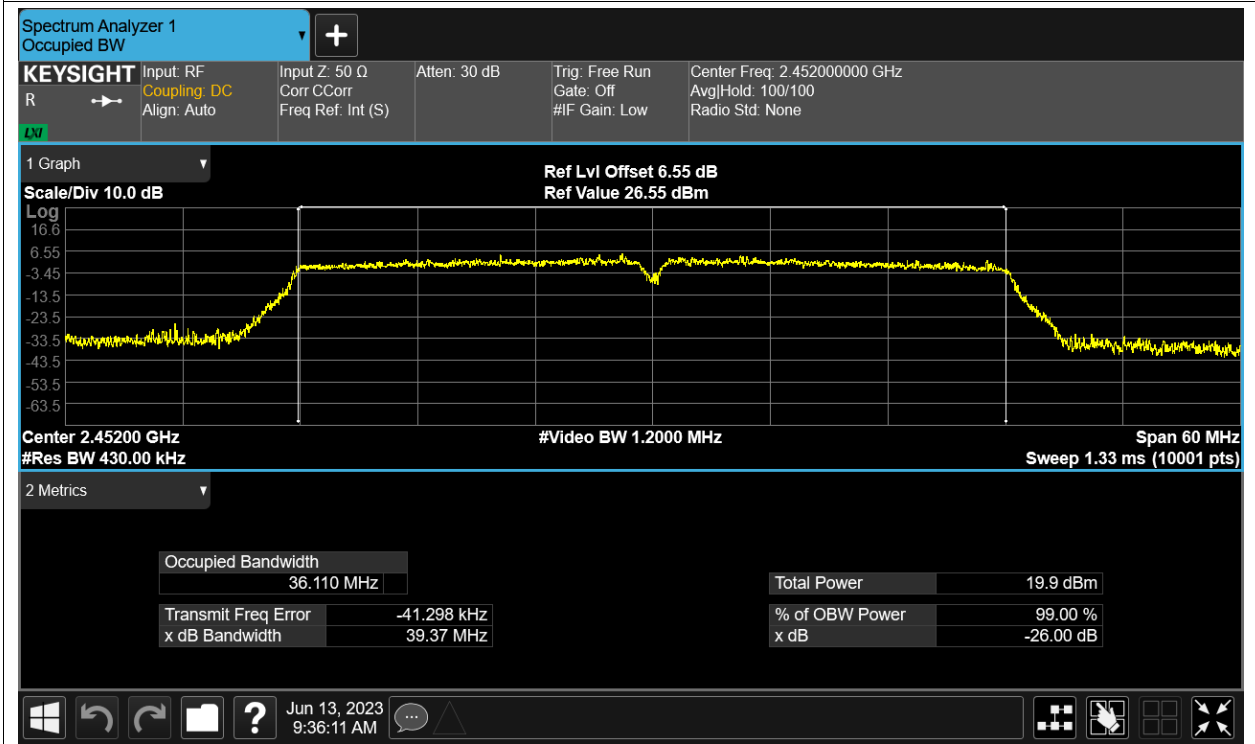
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

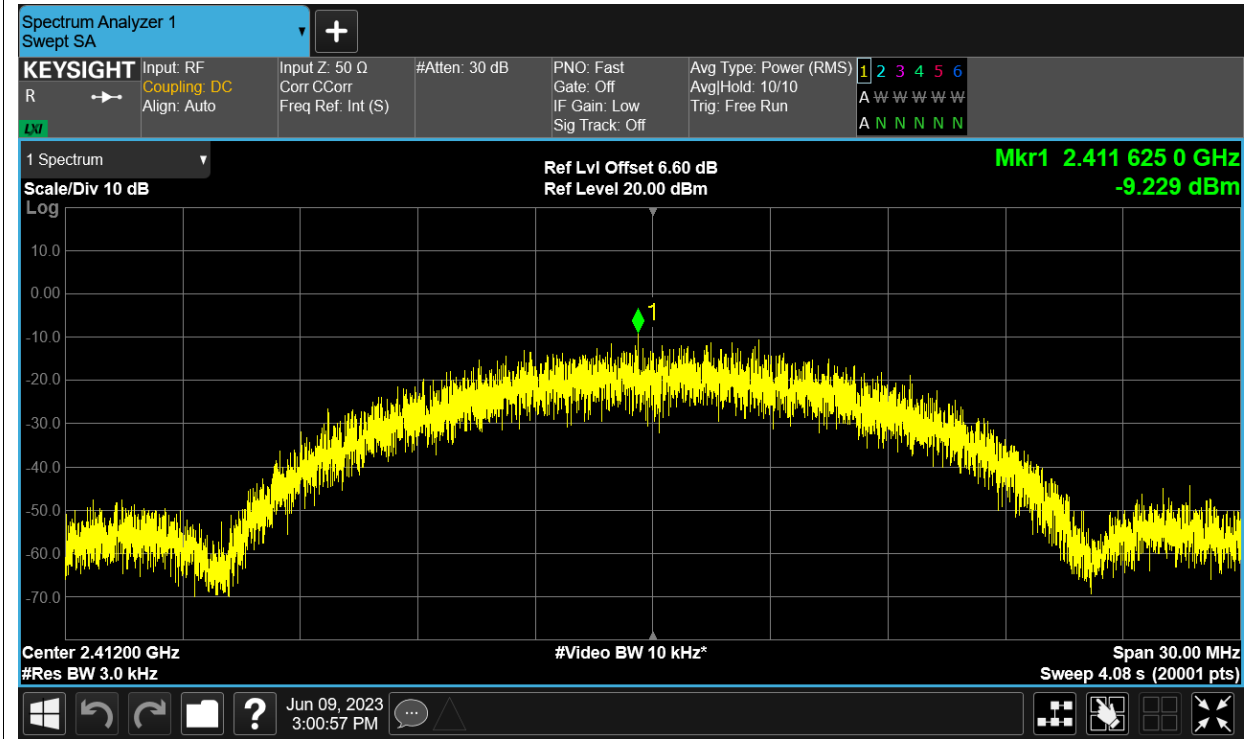


## Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-9.229	8	Pass
NVNT	b	2437	Ant1	-8.687	8	Pass
NVNT	b	2462	Ant1	-9.455	8	Pass
NVNT	g	2412	Ant1	-17.536	8	Pass
NVNT	g	2437	Ant1	-17.271	8	Pass
NVNT	g	2462	Ant1	-16.467	8	Pass
NVNT	n20	2412	Ant1	-17.765	8	Pass
NVNT	n20	2437	Ant1	-16.726	8	Pass
NVNT	n20	2462	Ant1	-17.887	8	Pass
NVNT	n40	2422	Ant1	-18.829	8	Pass
NVNT	n40	2437	Ant1	-18.846	8	Pass
NVNT	n40	2452	Ant1	-19.546	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1

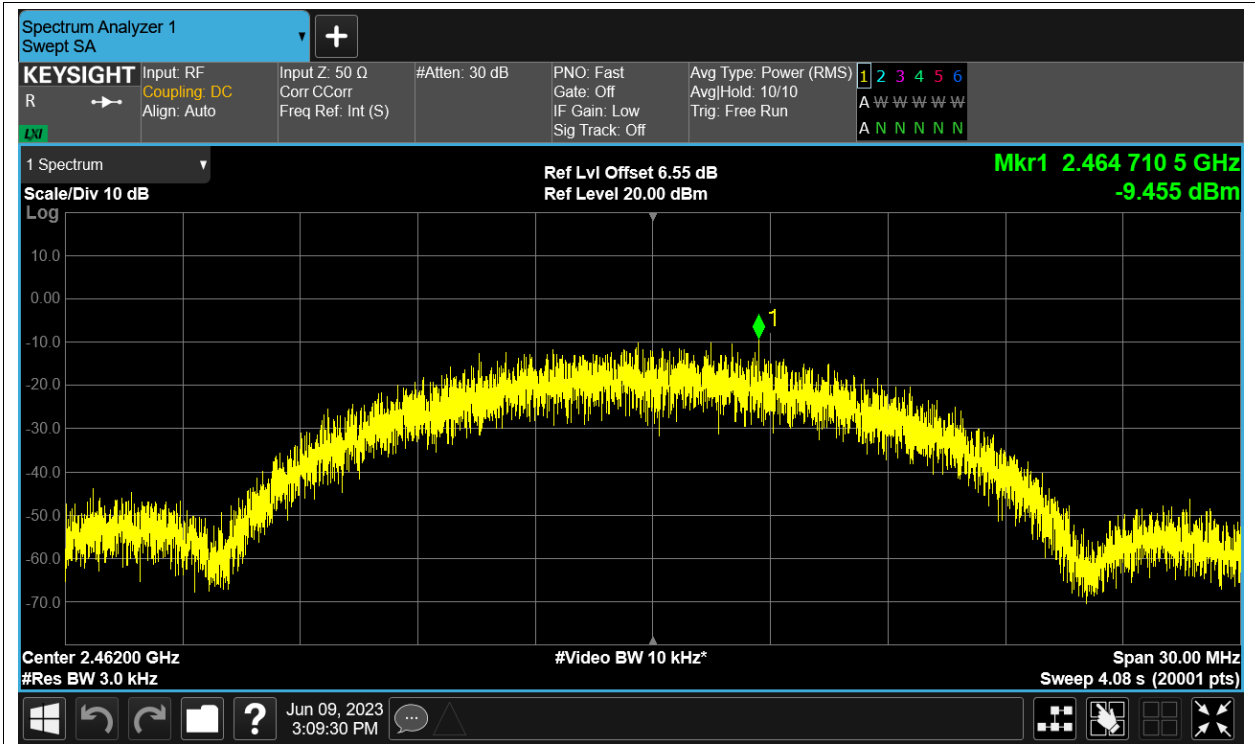


PSD NVNT b 2437MHz Ant1

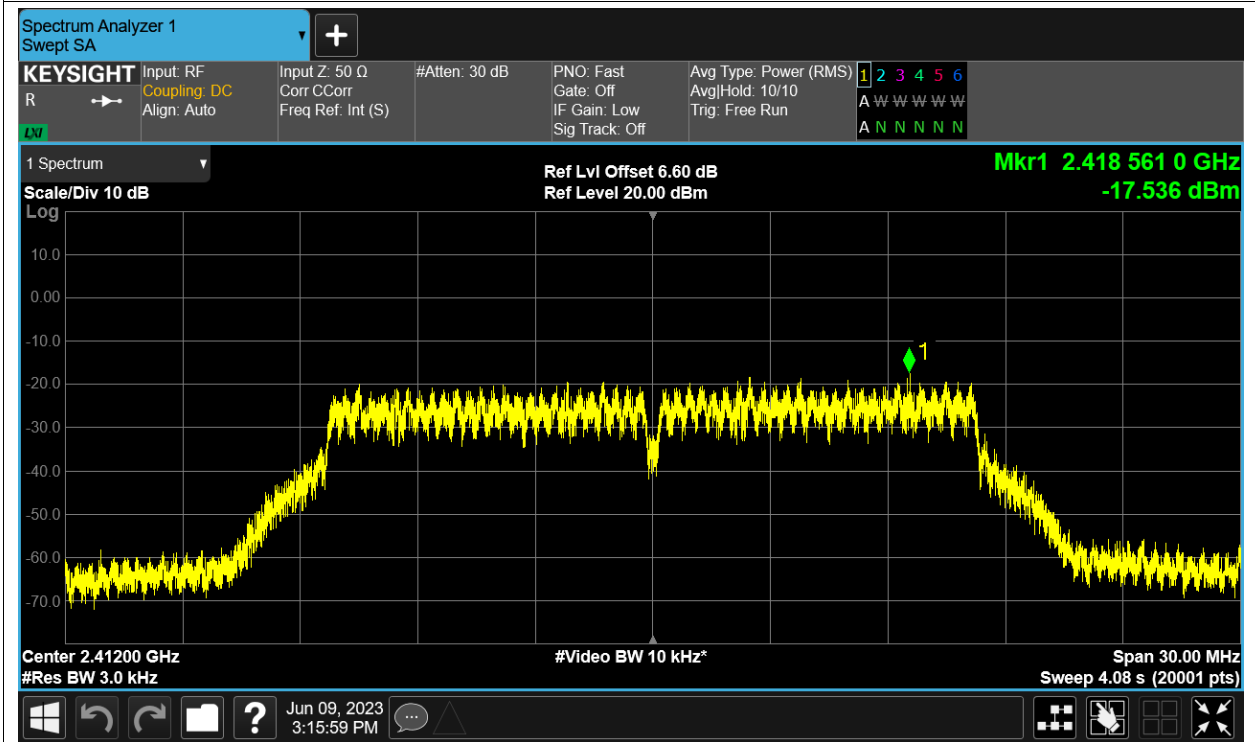


PSD NVNT b 2462MHz Ant1

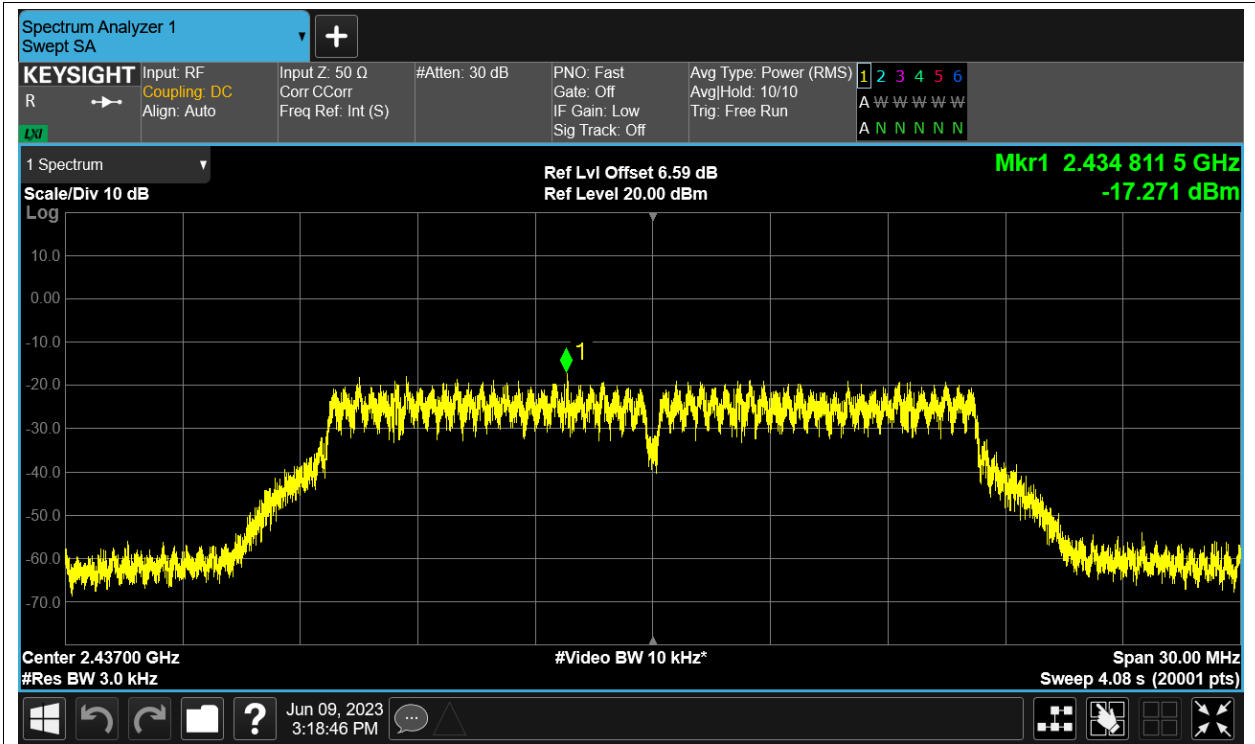




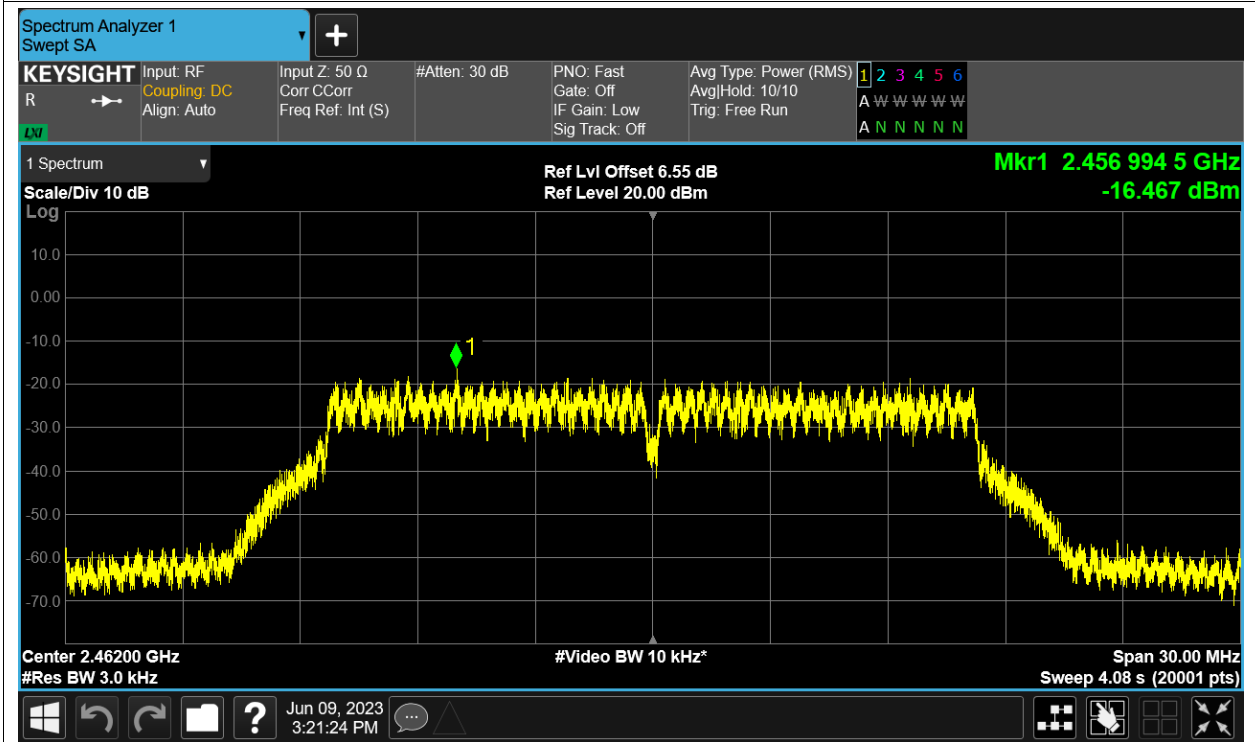
PSD NVNT g 2412MHz Ant1



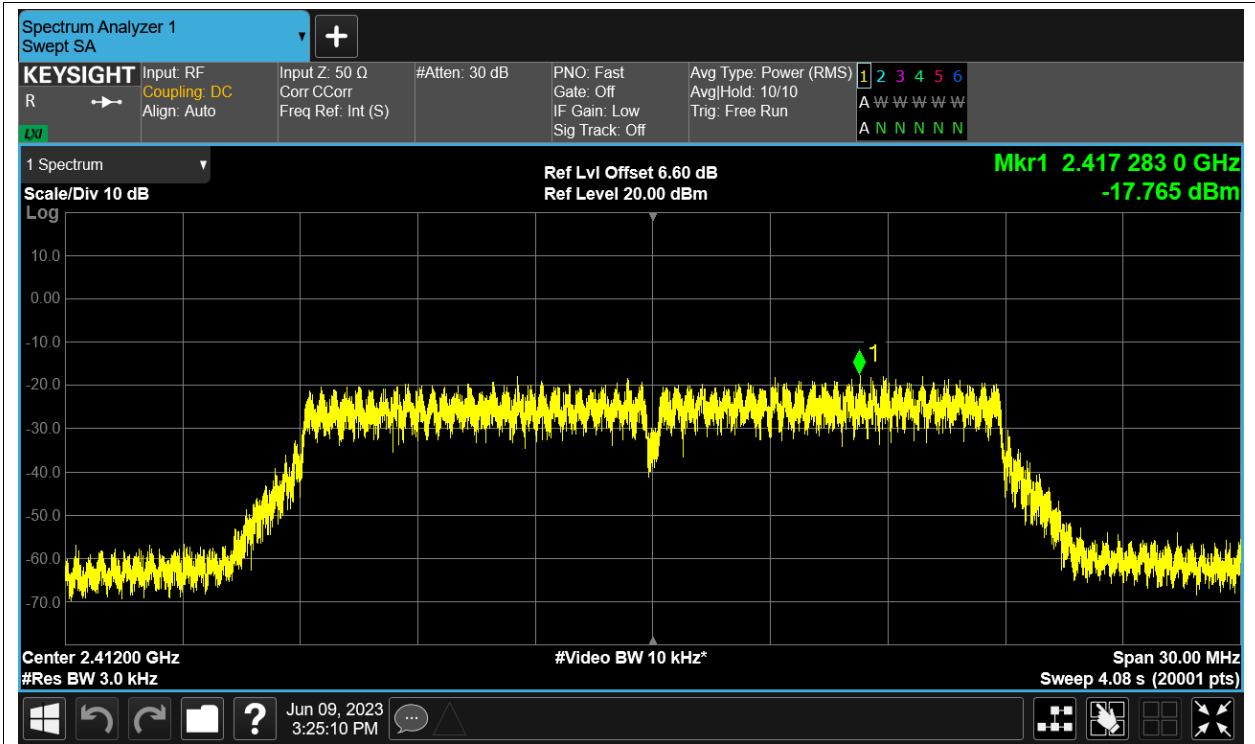
PSD NVNT g 2437MHz Ant1



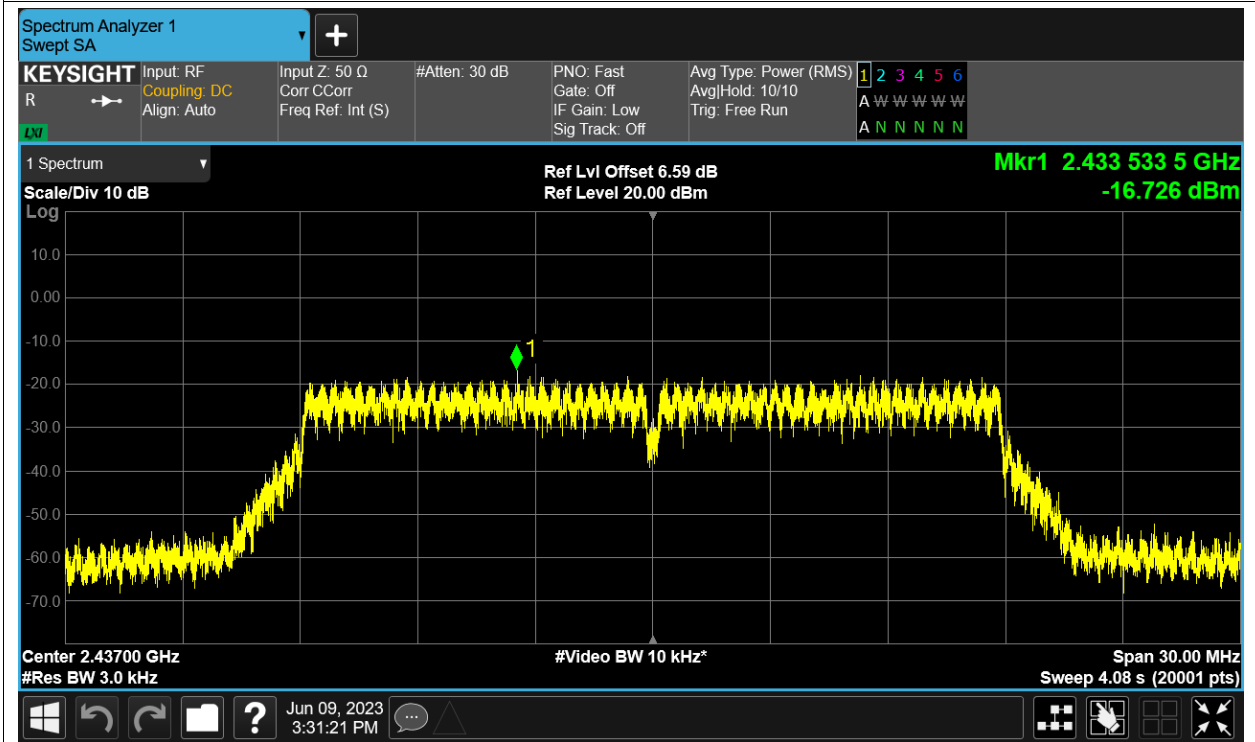
PSD NVNT g 2462MHz Ant1



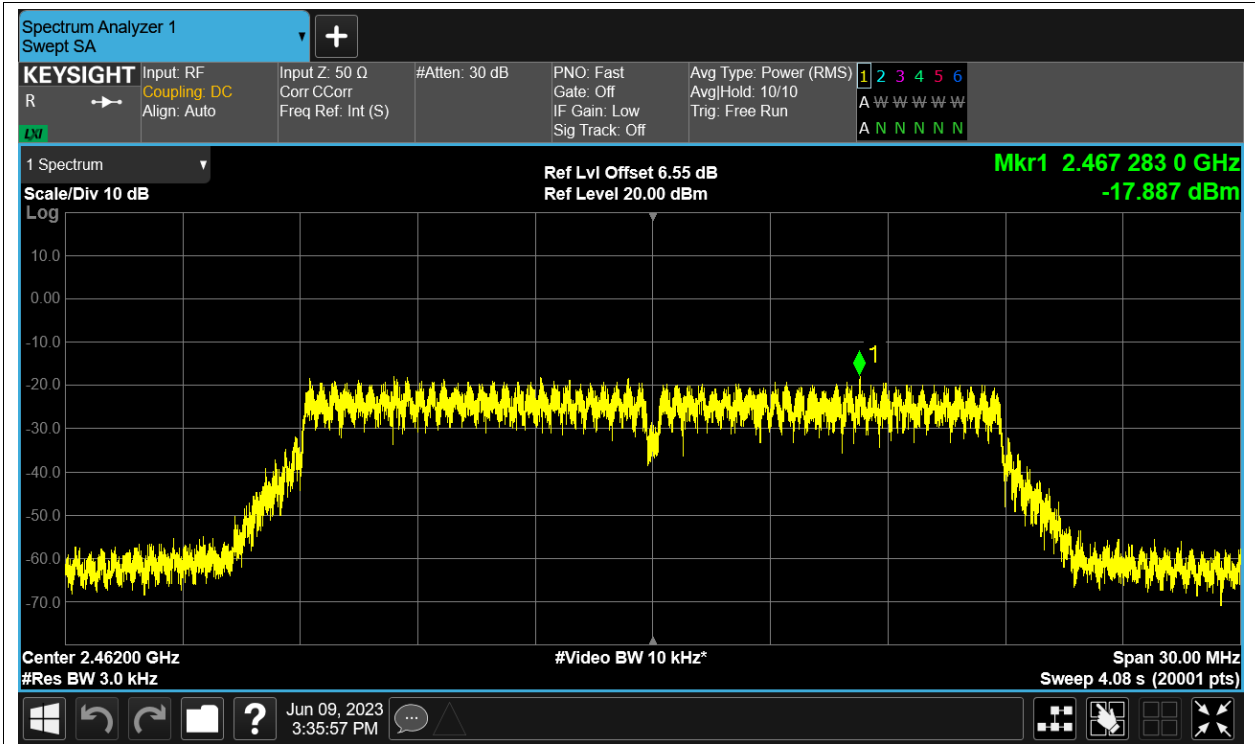
PSD NVNT n20 2412MHz Ant1



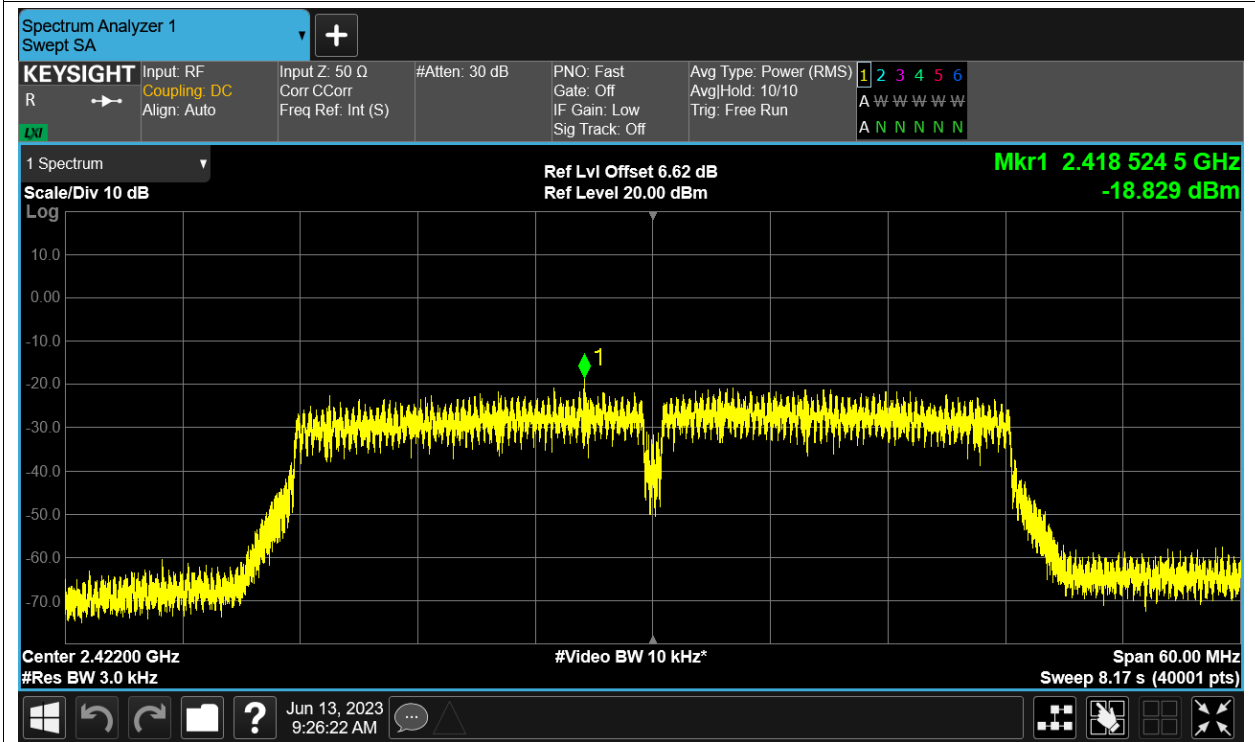
PSD NVNT n20 2437MHz Ant1



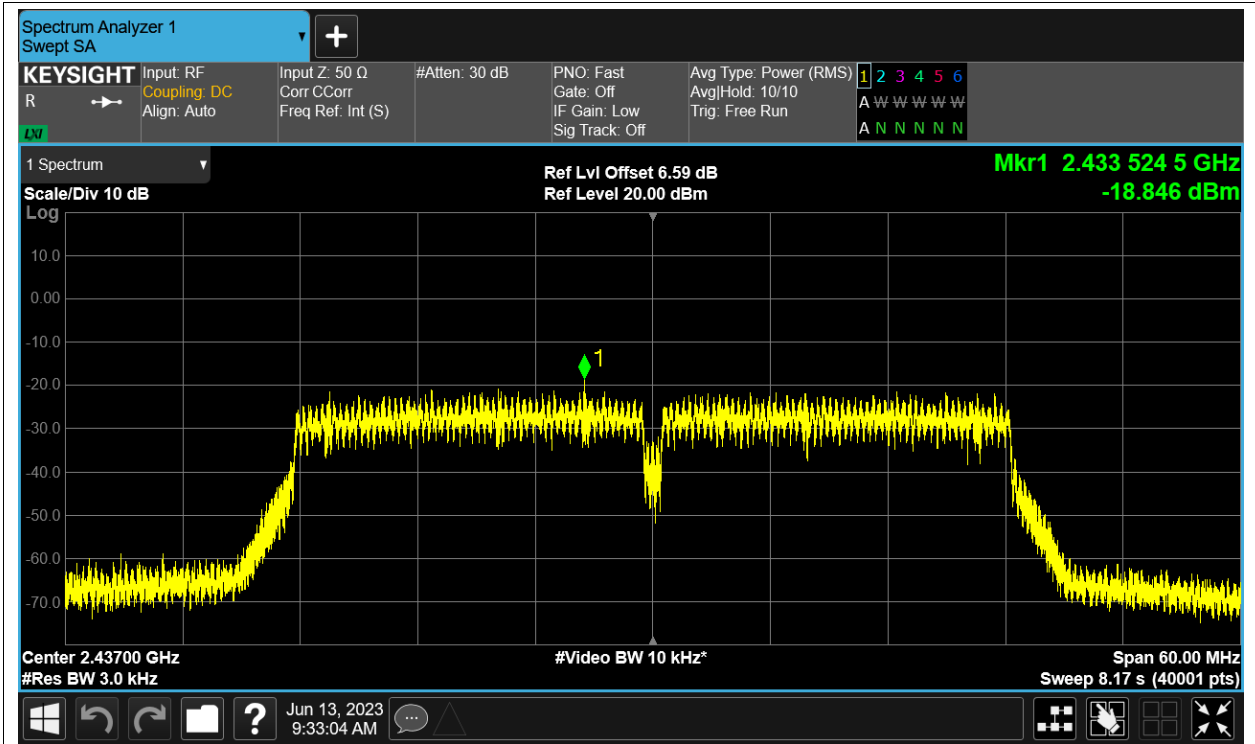
PSD NVNT n20 2462MHz Ant1



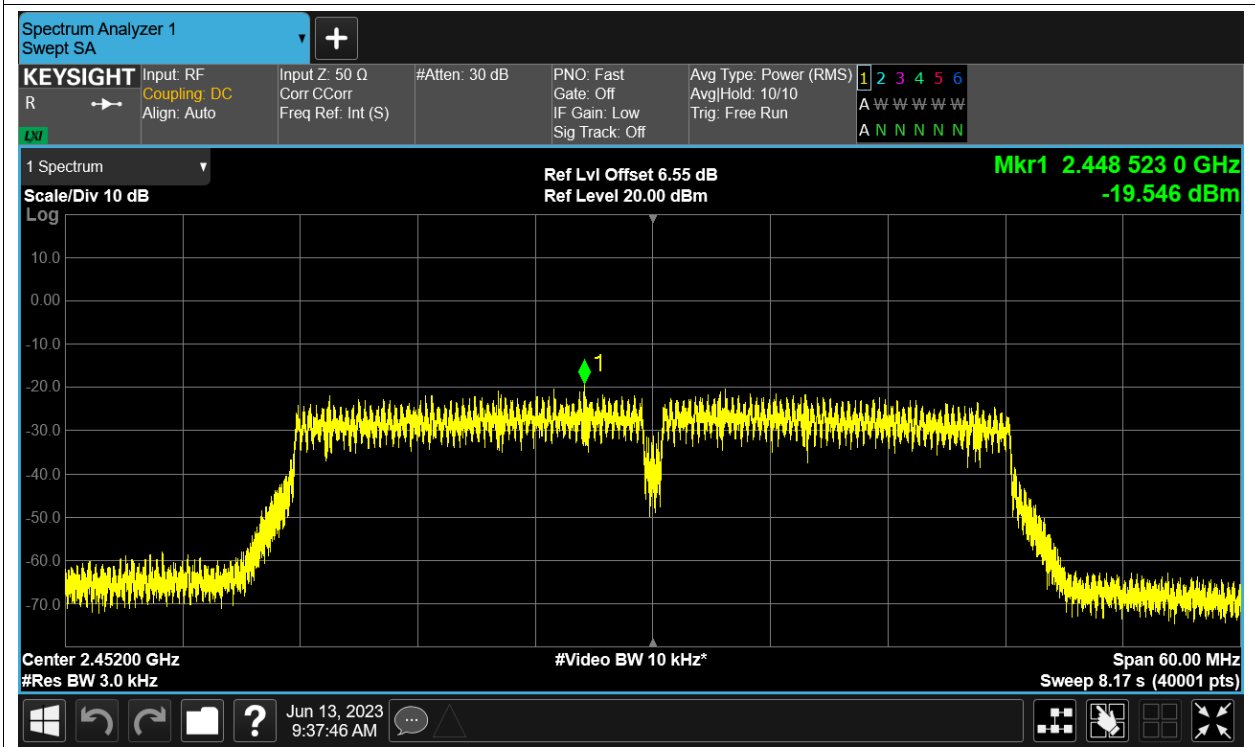
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

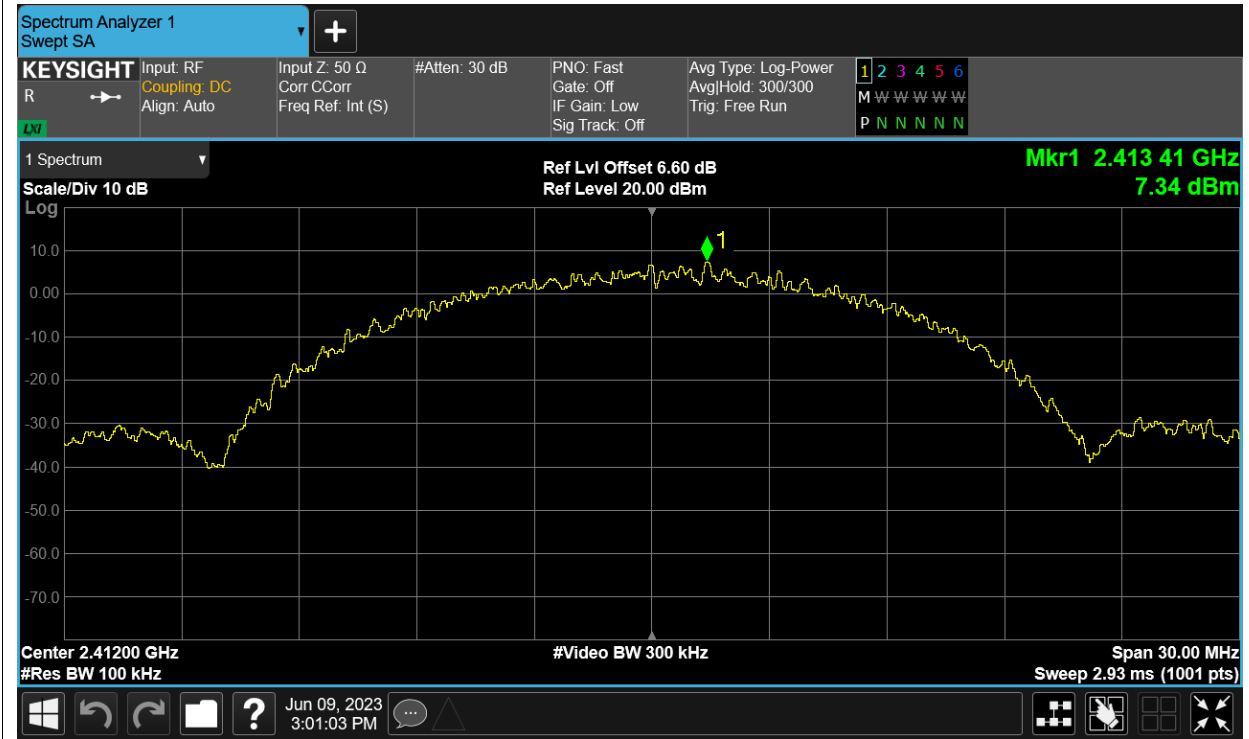


## Band Edge

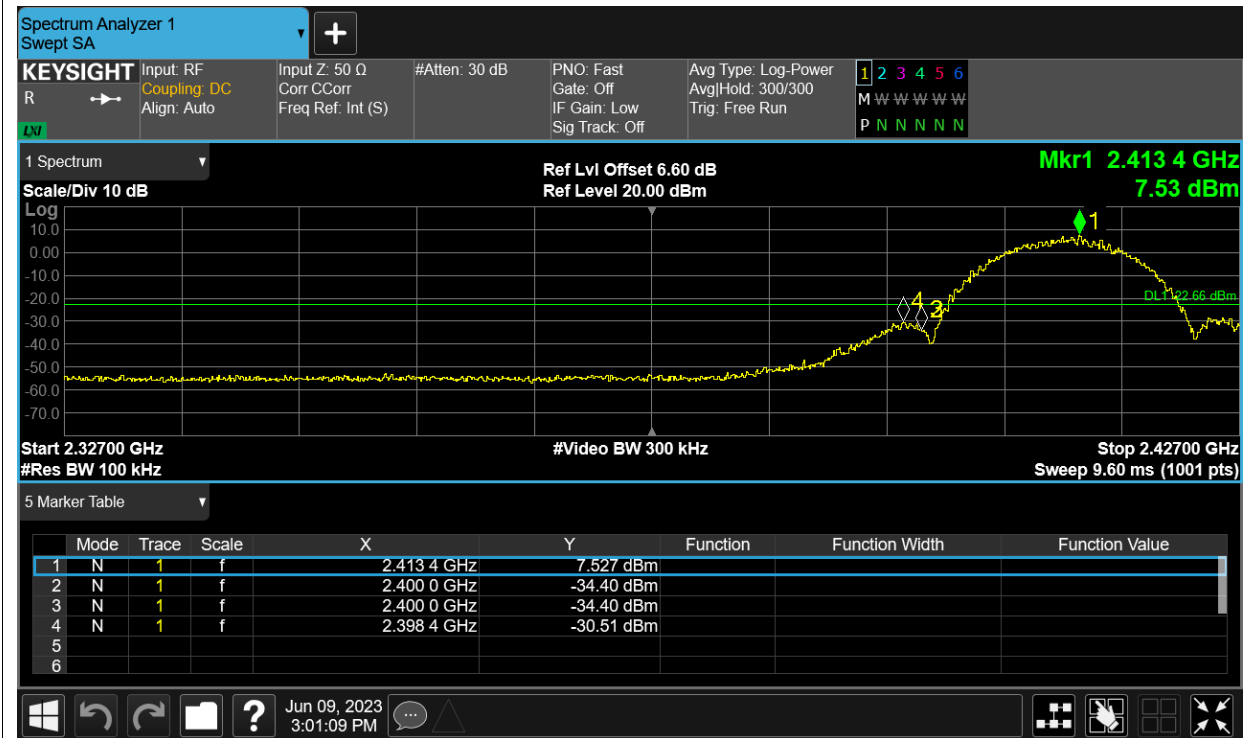
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.85	-30	Pass
NVNT	b	2462	Ant1	-54.57	-30	Pass
NVNT	g	2412	Ant1	-36.01	-30	Pass
NVNT	g	2462	Ant1	-45.95	-30	Pass
NVNT	n20	2412	Ant1	-35.55	-30	Pass
NVNT	n20	2462	Ant1	-44.25	-30	Pass
NVNT	n40	2422	Ant1	-39.17	-30	Pass
NVNT	n40	2452	Ant1	-42.17	-30	Pass

Test Graphs

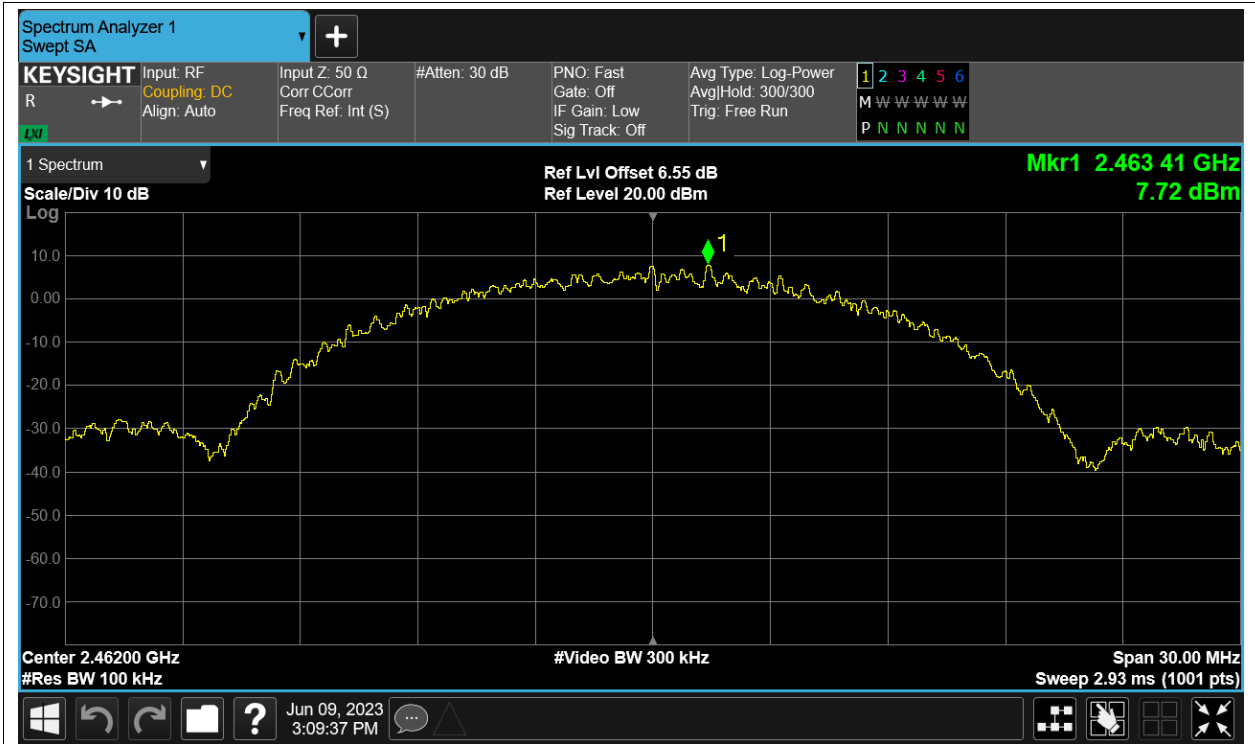
Band Edge NVNT b 2412MHz Ant1 Ref



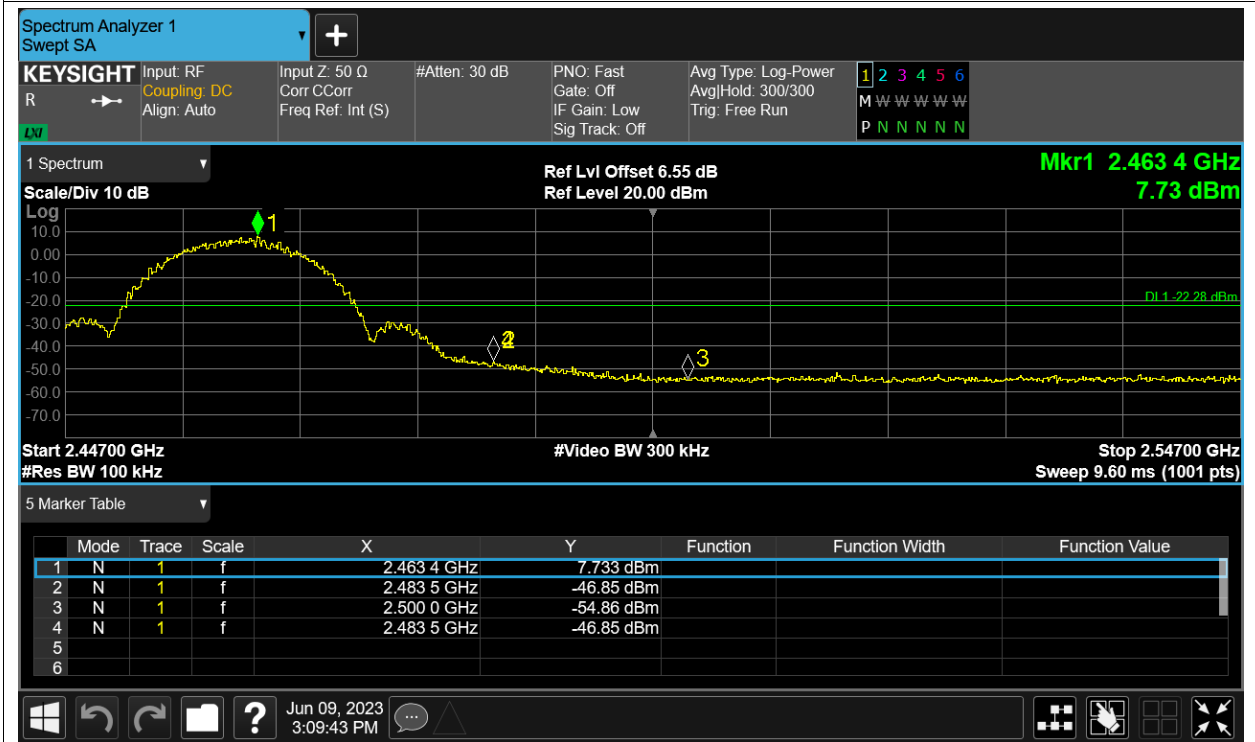
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref

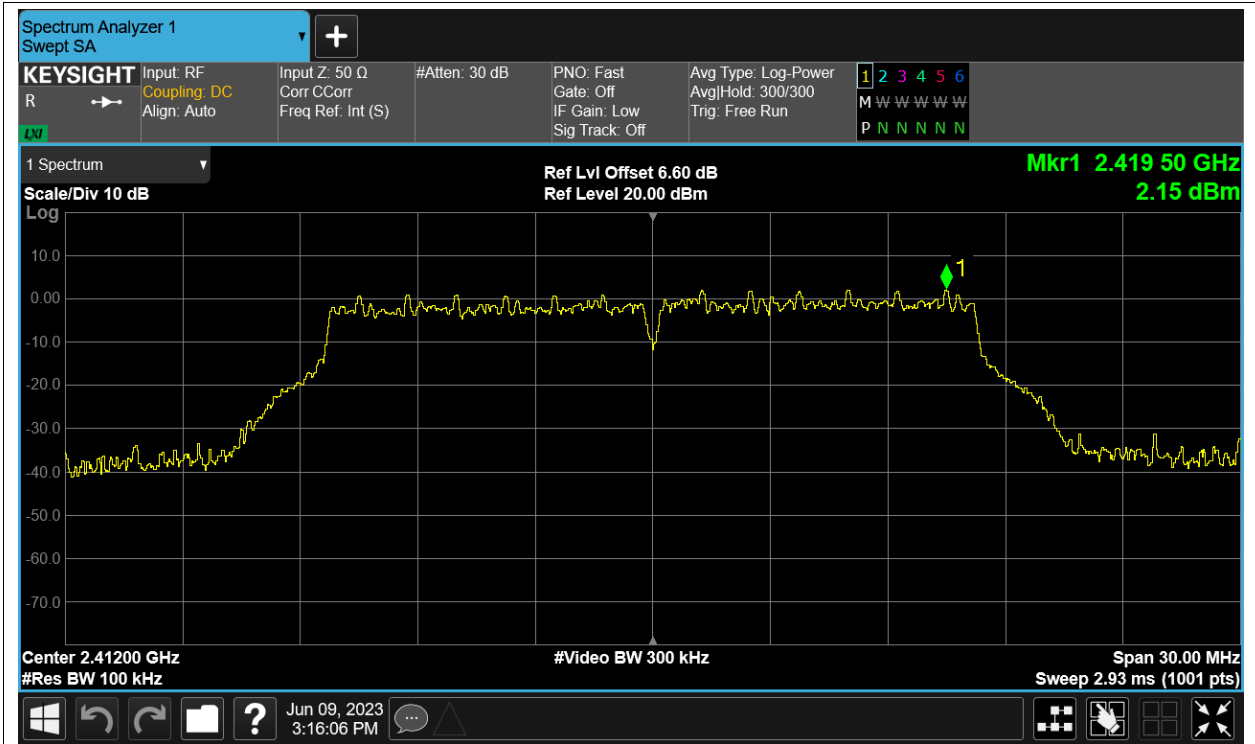


Band Edge NVNT b 2462MHz Ant1 Emission

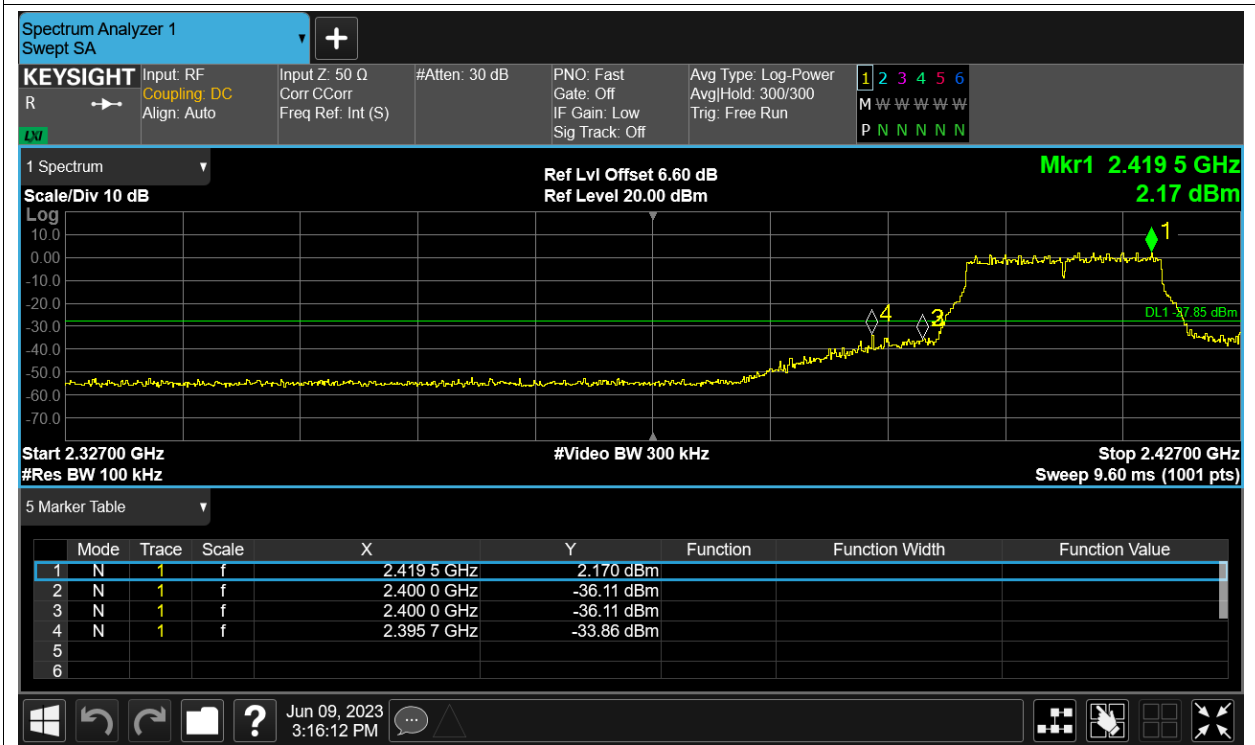


Band Edge NVNT g 2412MHz Ant1 Ref

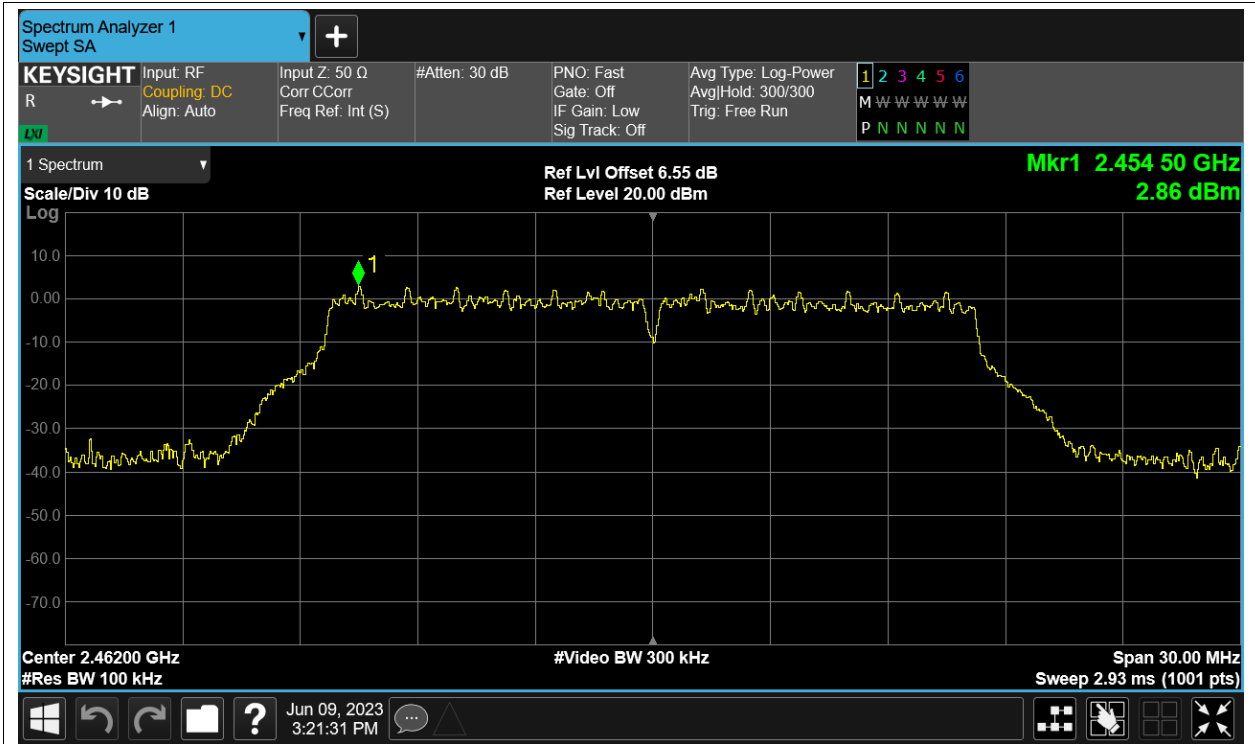




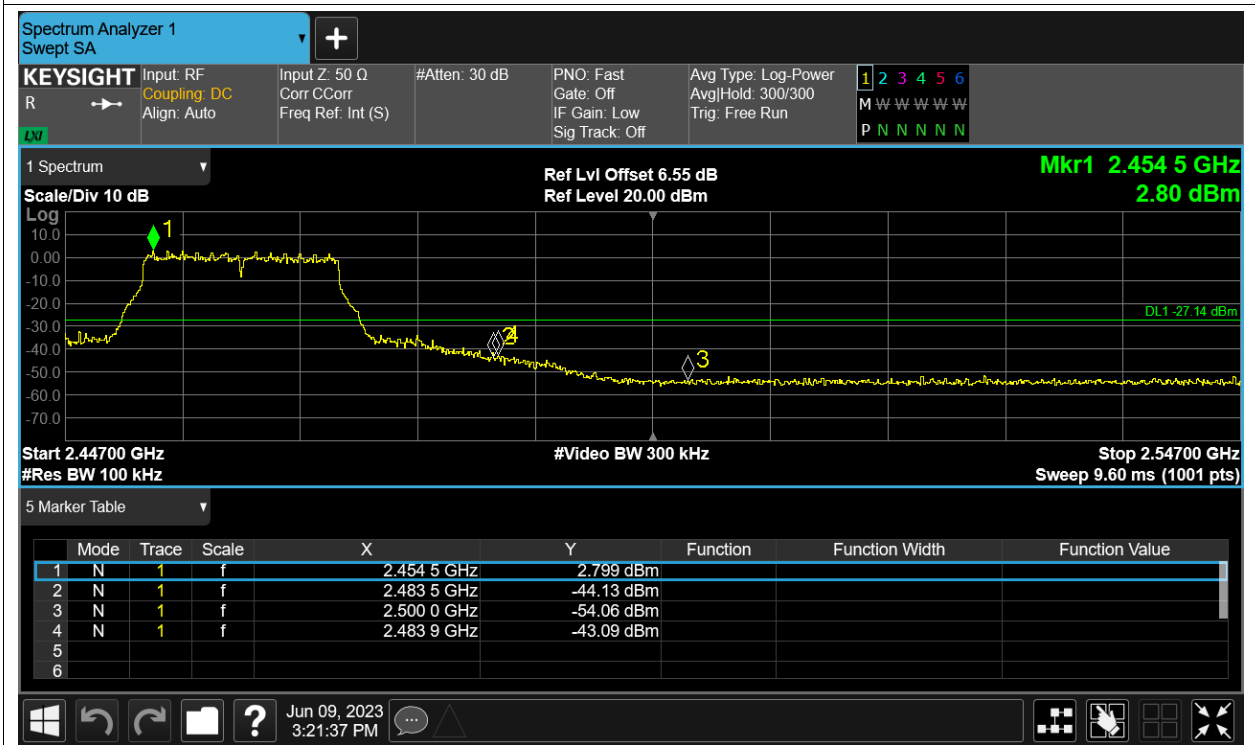
Band Edge NVNT g 2412MHz Ant1 Emission



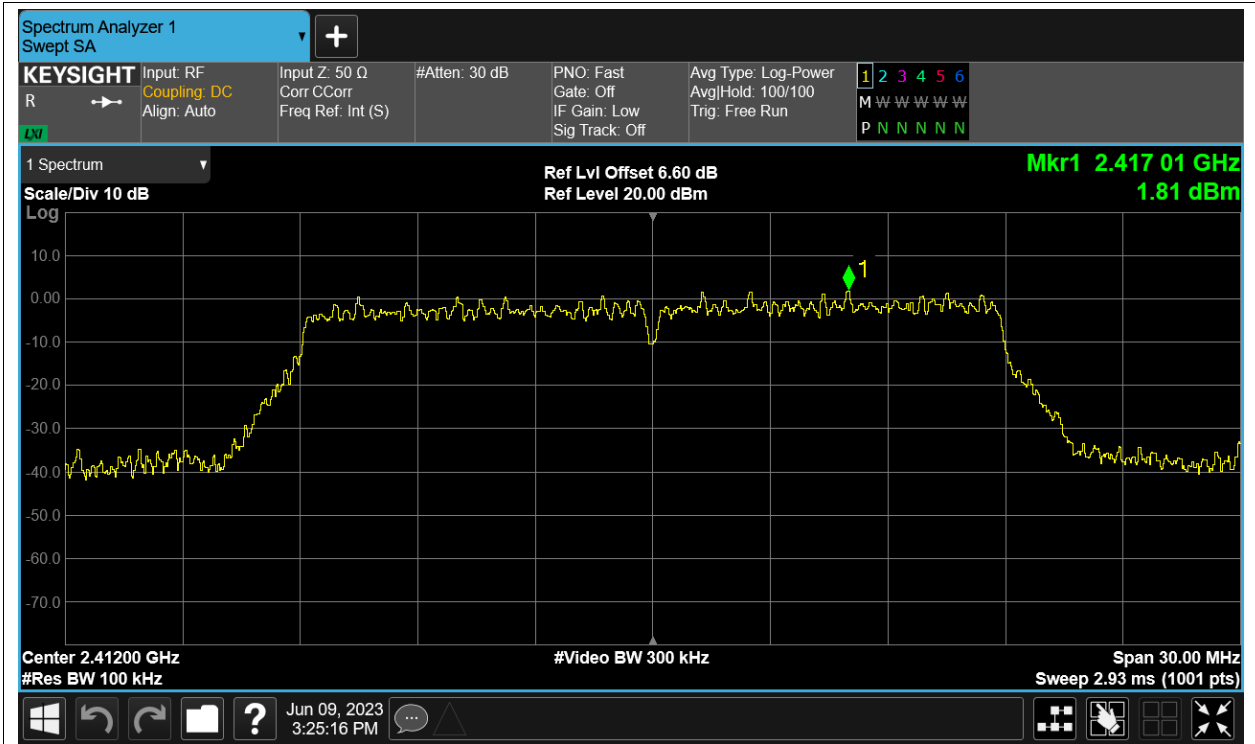
Band Edge NVNT g 2462MHz Ant1 Ref



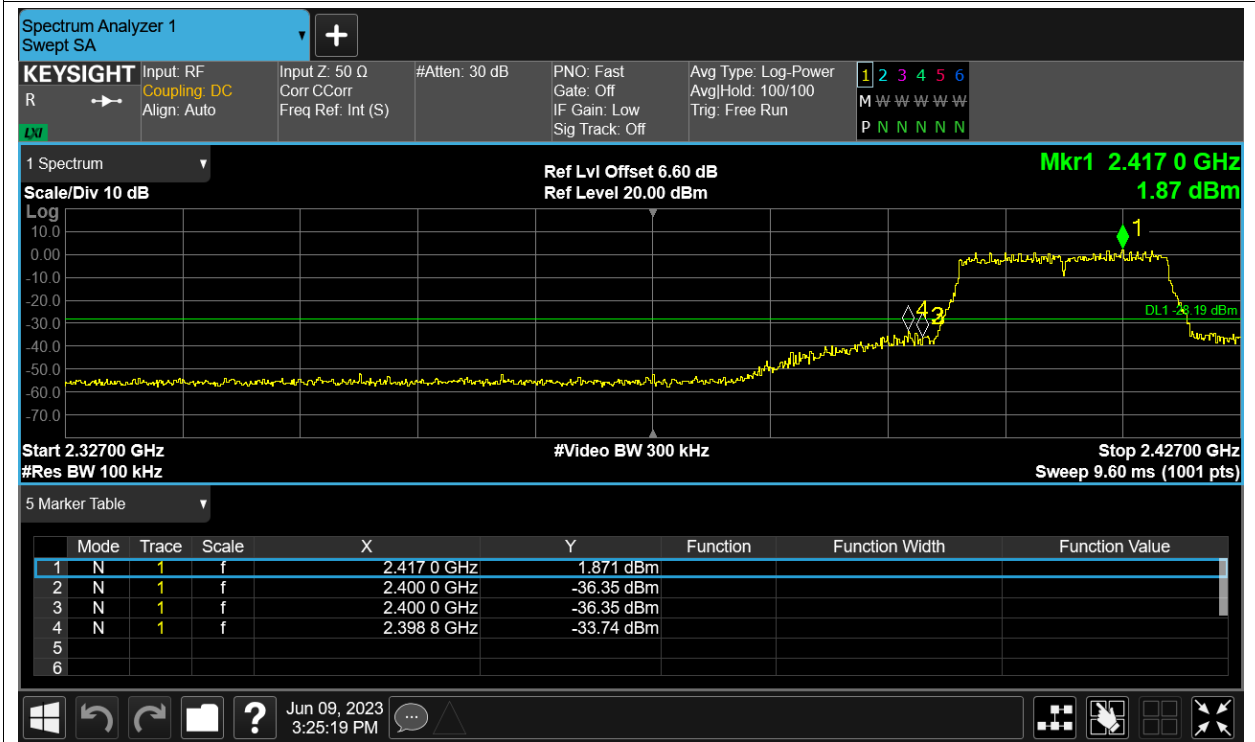
Band Edge NVNT g 2462MHz Ant1 Emission



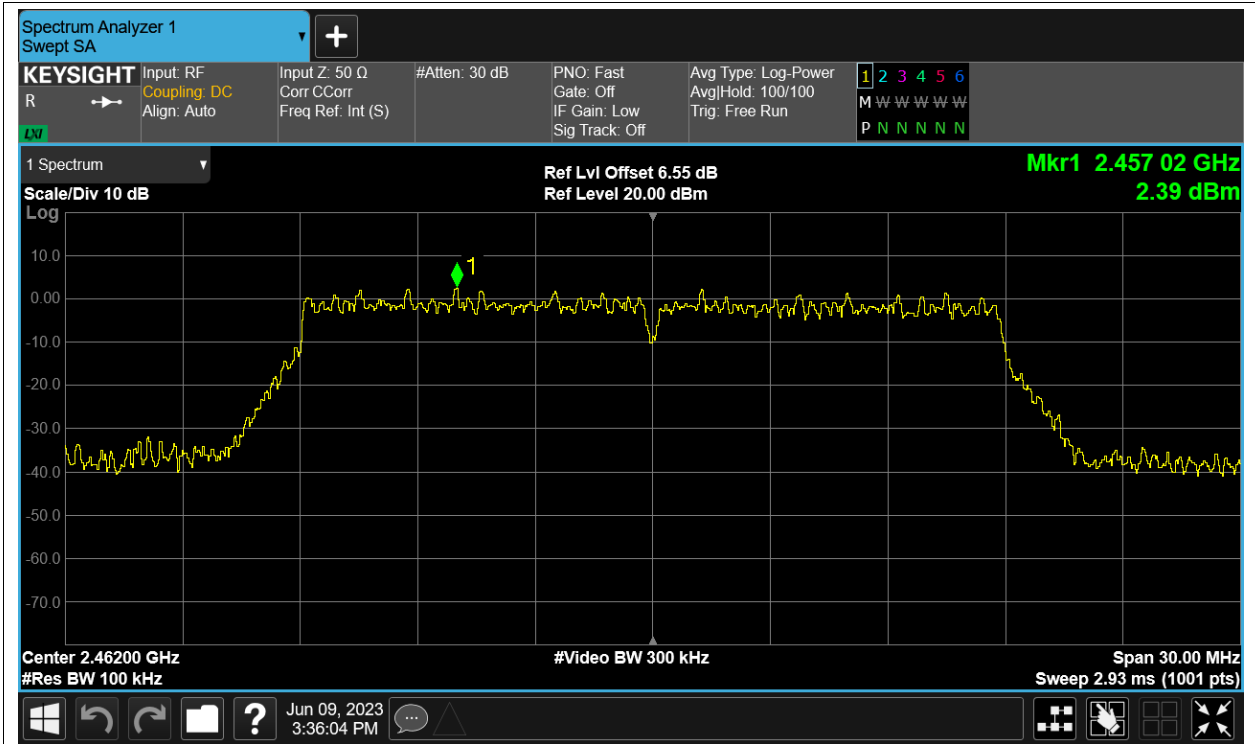
Band Edge NVNT n20 2412MHz Ant1 Ref



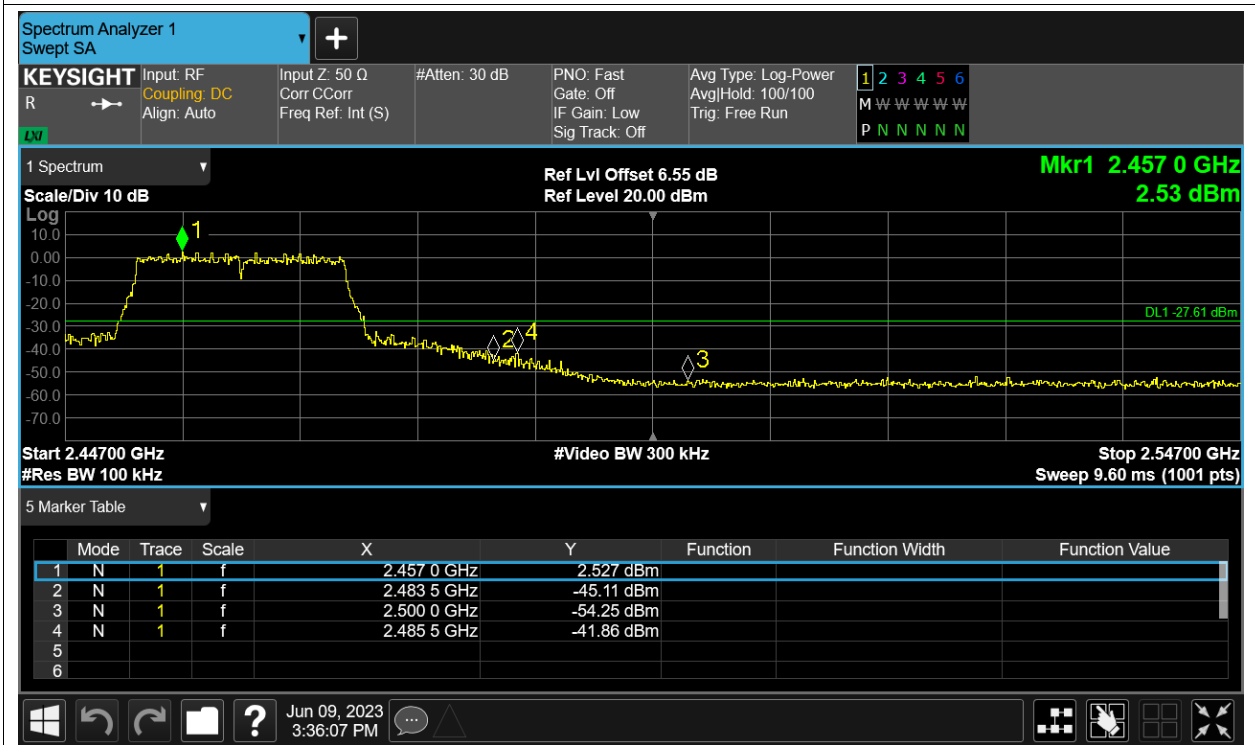
Band Edge NVNT n20 2412MHz Ant1 Emission



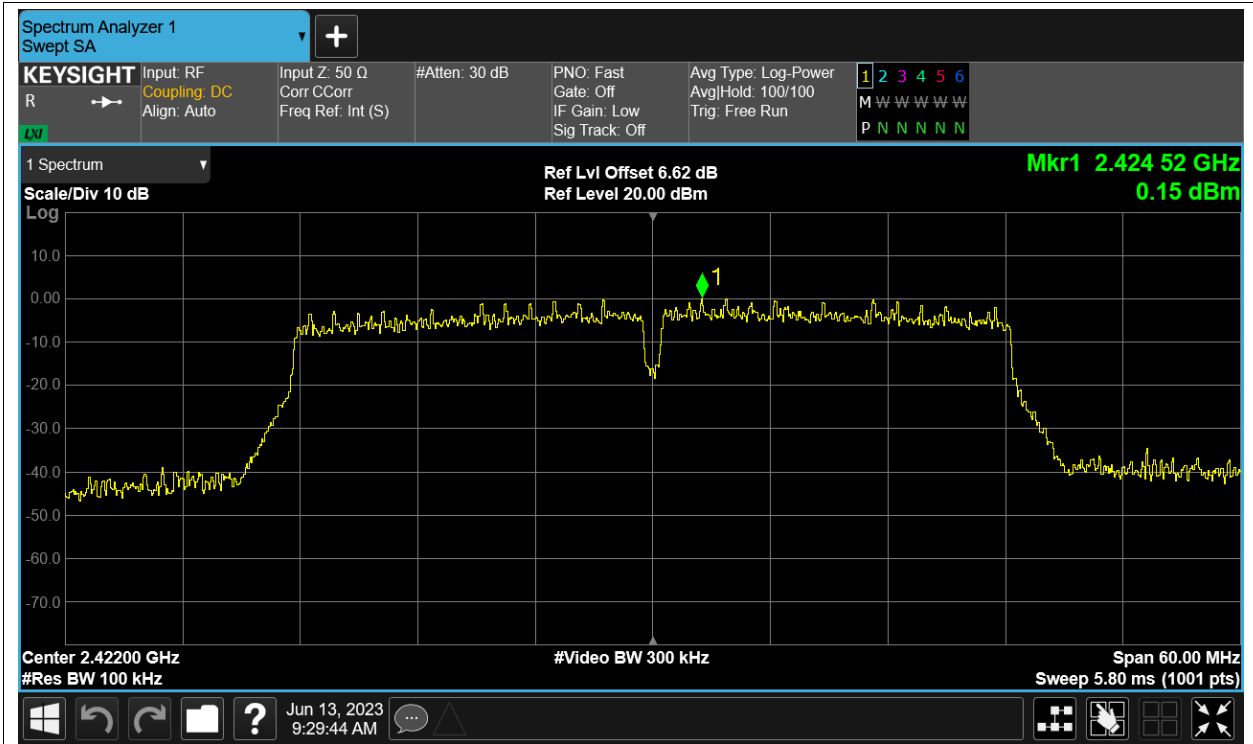
Band Edge NVNT n20 2462MHz Ant1 Ref



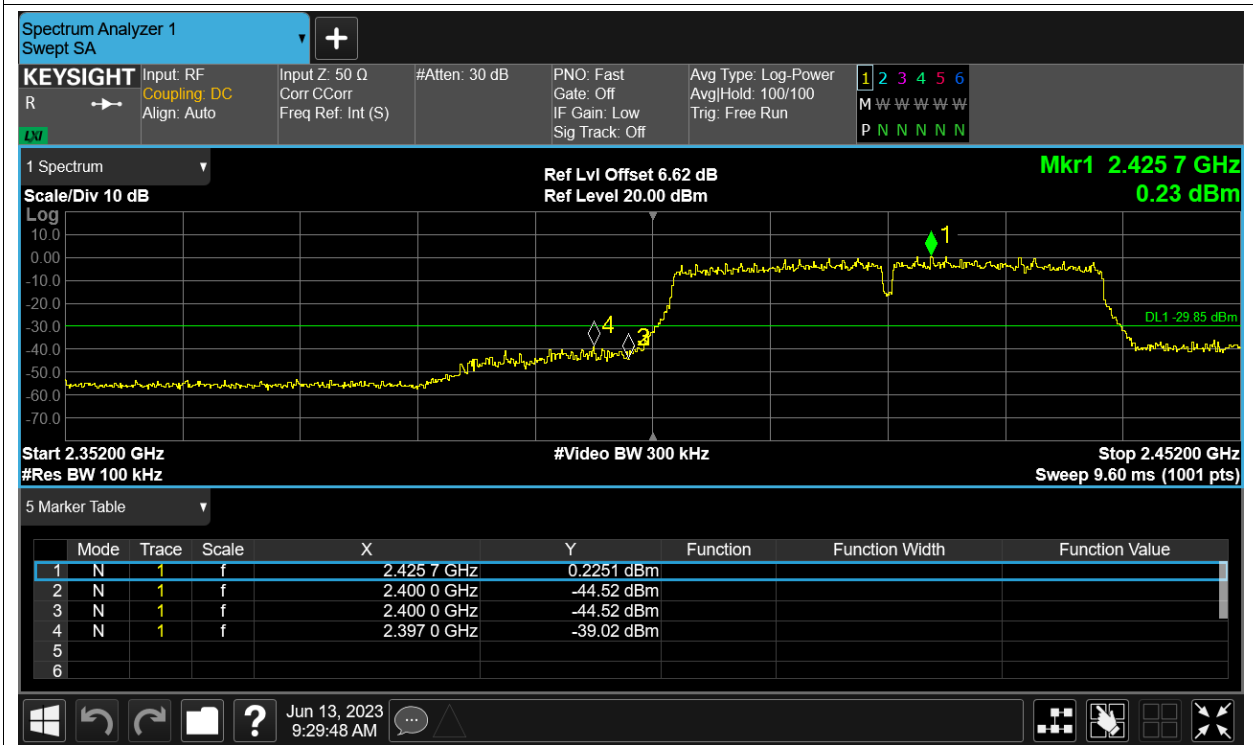
Band Edge NVNT n20 2462MHz Ant1 Emission



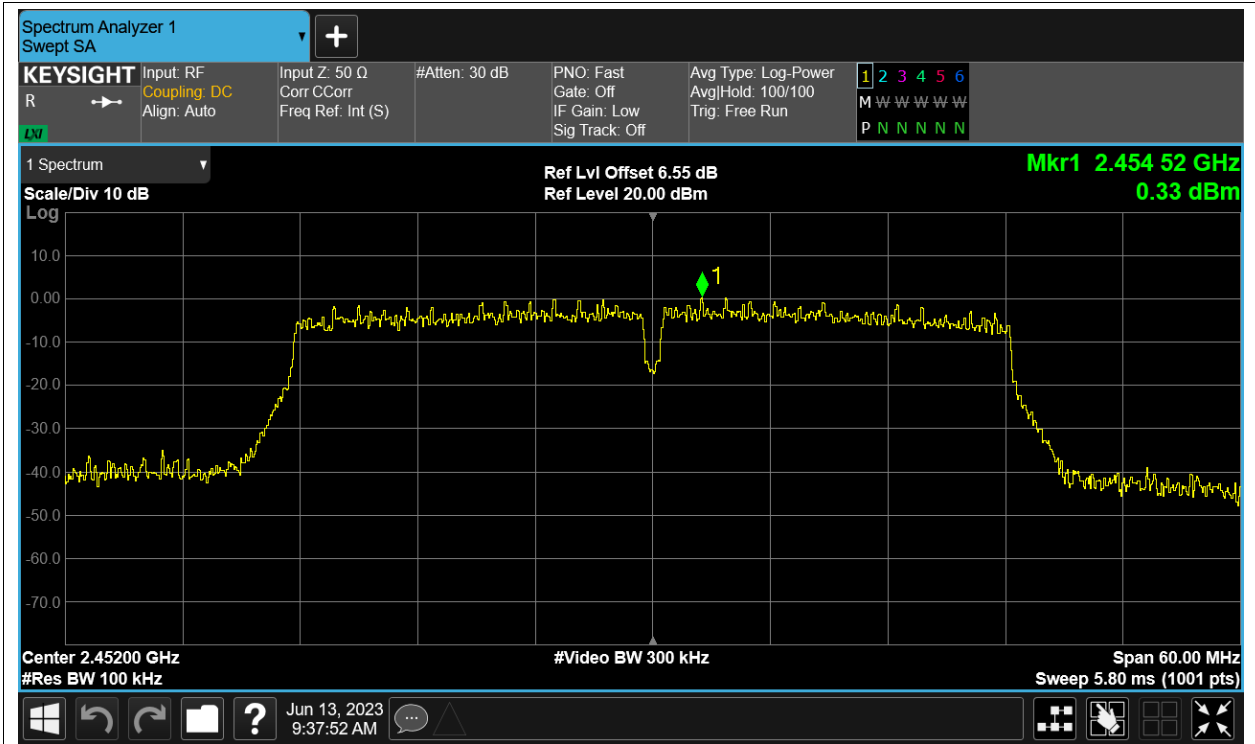
Band Edge NVNT n40 2422MHz Ant1 Ref



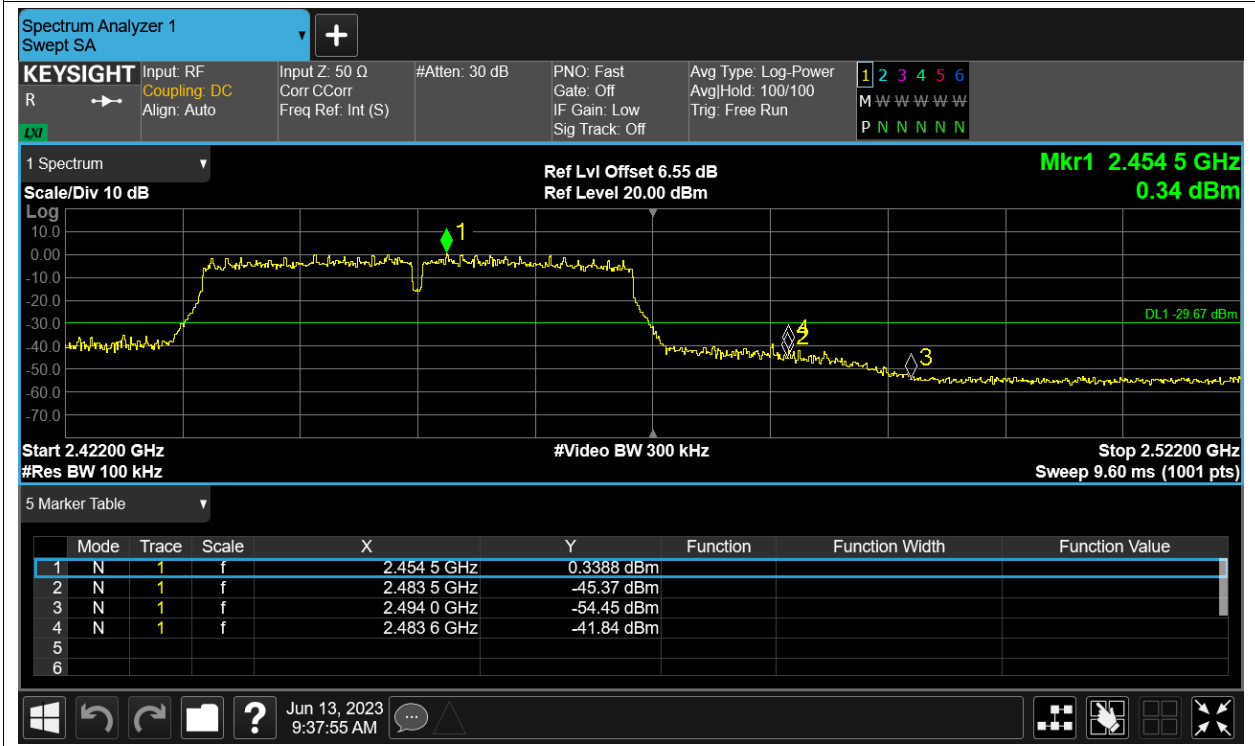
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

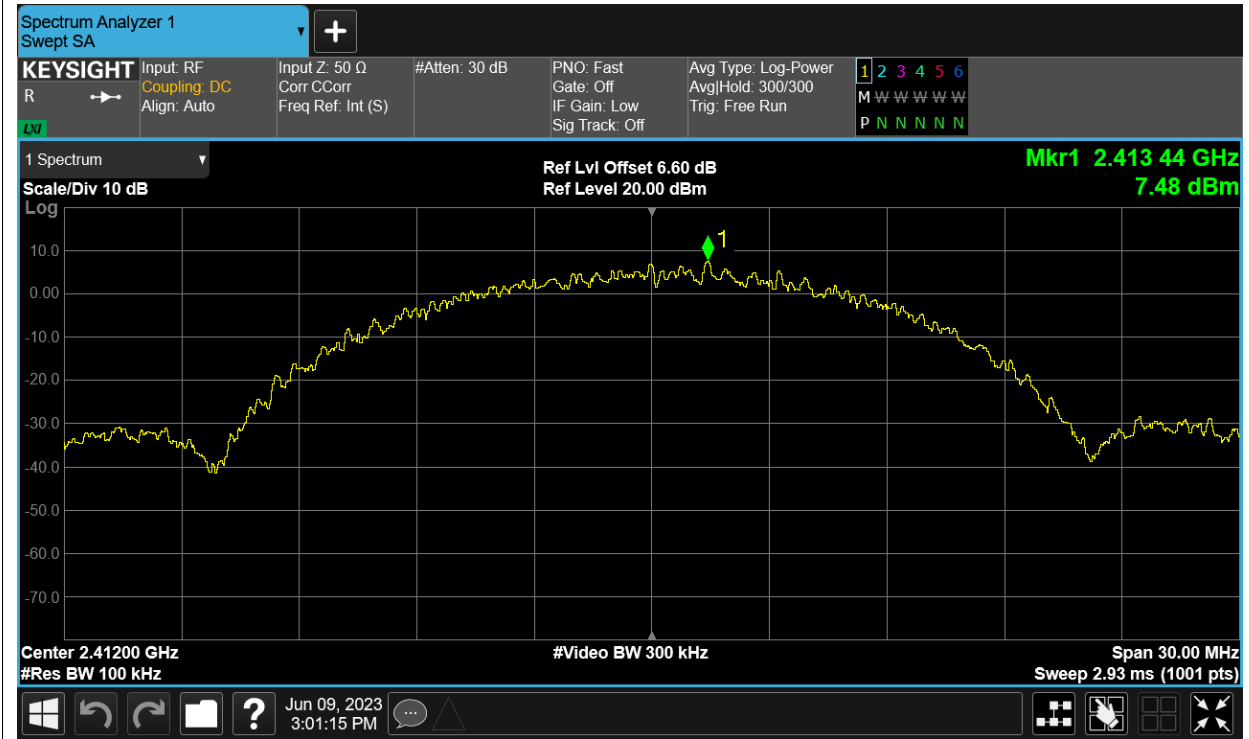


## Conducted RF Spurious Emission

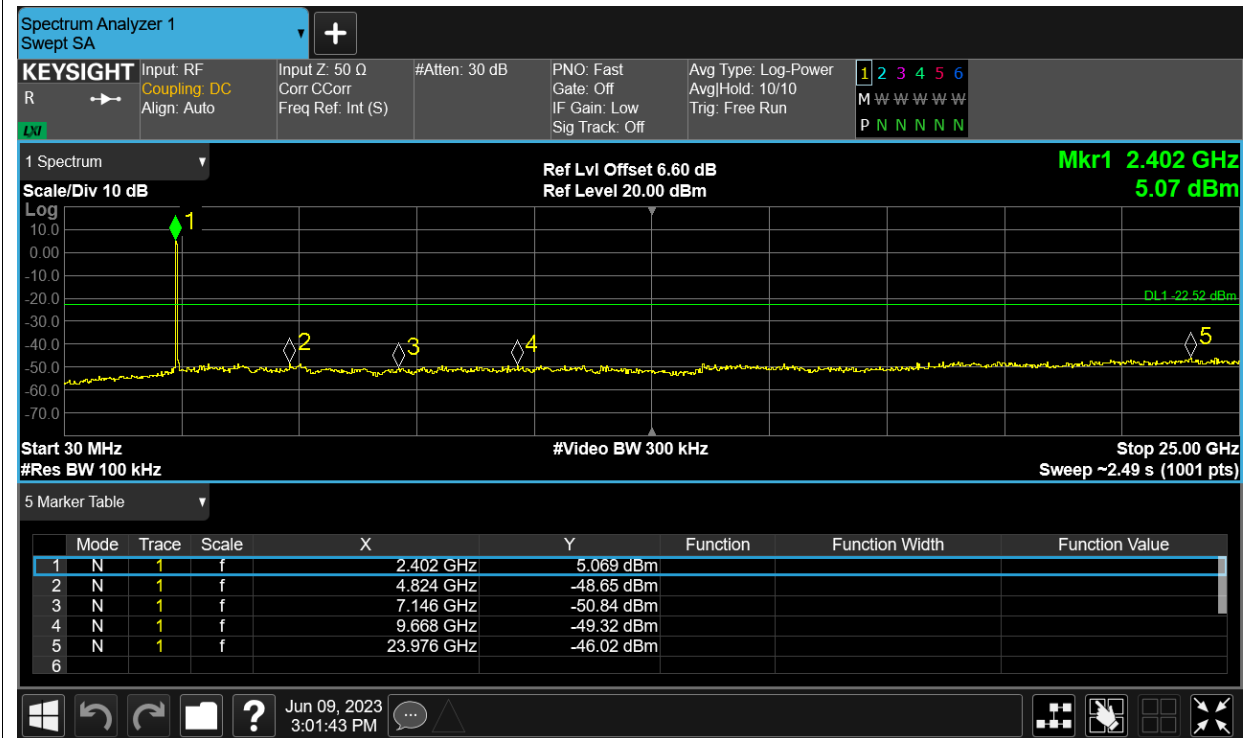
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.5	-30	Pass
NVNT	b	2437	Ant1	-50.7	-30	Pass
NVNT	b	2462	Ant1	-47.04	-30	Pass
NVNT	g	2412	Ant1	-48.42	-30	Pass
NVNT	g	2437	Ant1	-48.8	-30	Pass
NVNT	g	2462	Ant1	-48.16	-30	Pass
NVNT	n20	2412	Ant1	-48.22	-30	Pass
NVNT	n20	2437	Ant1	-46.28	-30	Pass
NVNT	n20	2462	Ant1	-53.06	-30	Pass
NVNT	n40	2422	Ant1	-46.48	-30	Pass
NVNT	n40	2437	Ant1	-45.45	-30	Pass
NVNT	n40	2452	Ant1	-45.89	-30	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref

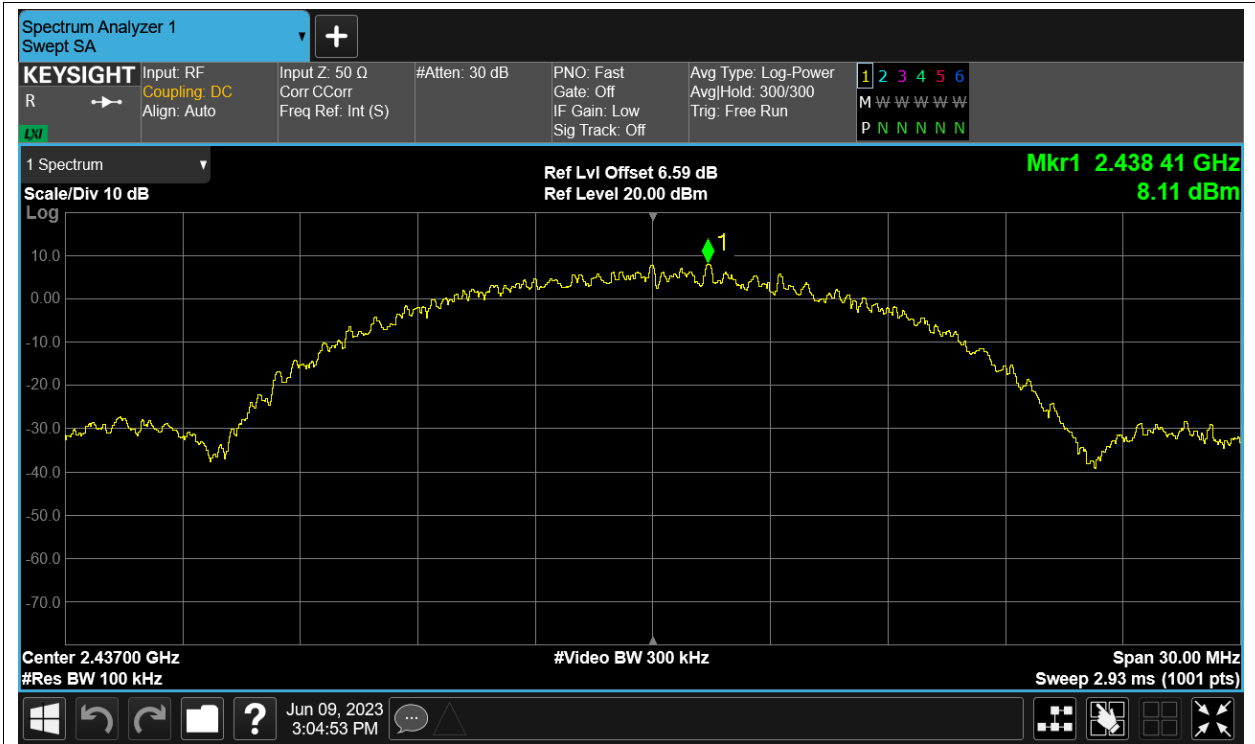


Tx. Spurious NVNT b 2412MHz Ant1 Emission

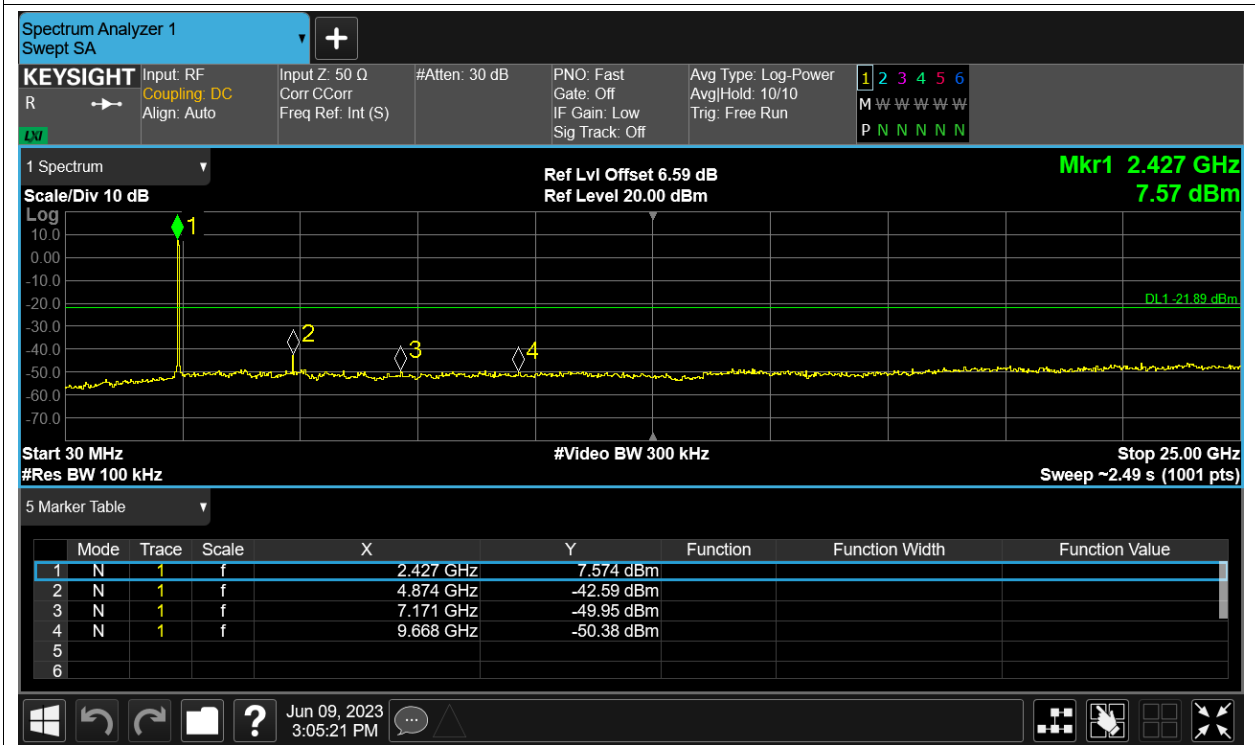


Tx. Spurious NVNT b 2437MHz Ant1 Ref

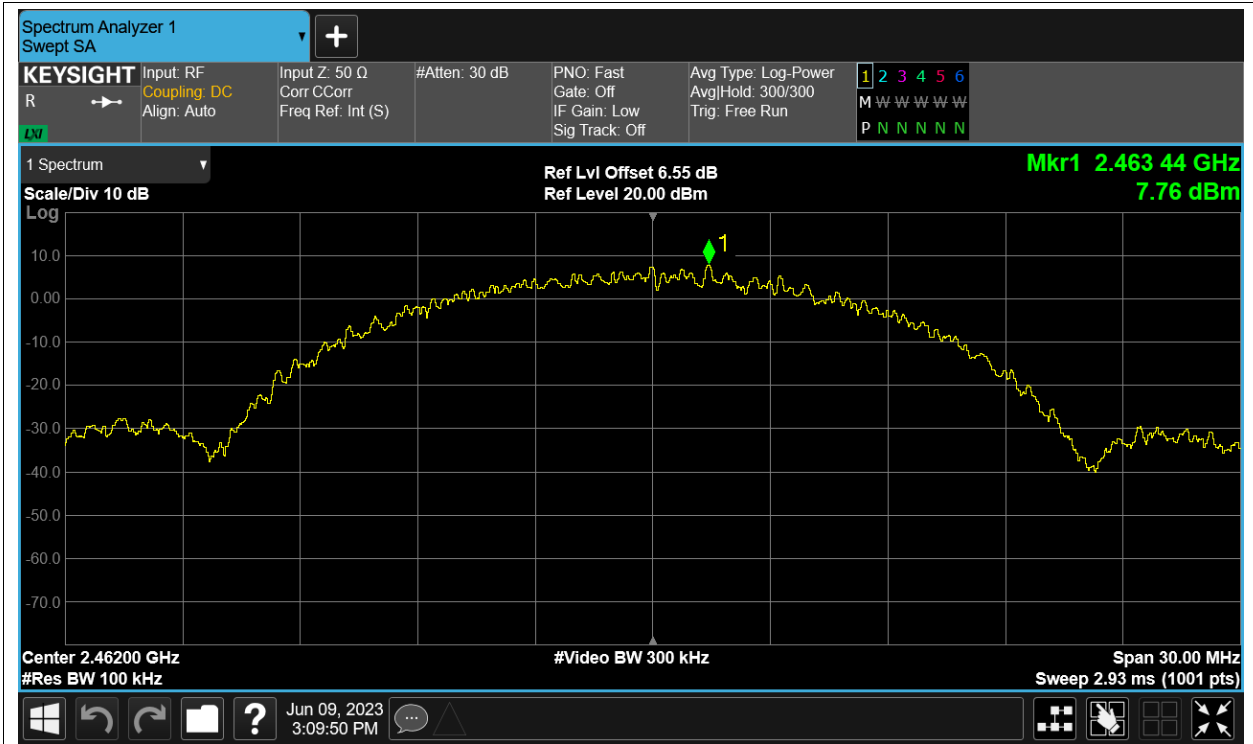




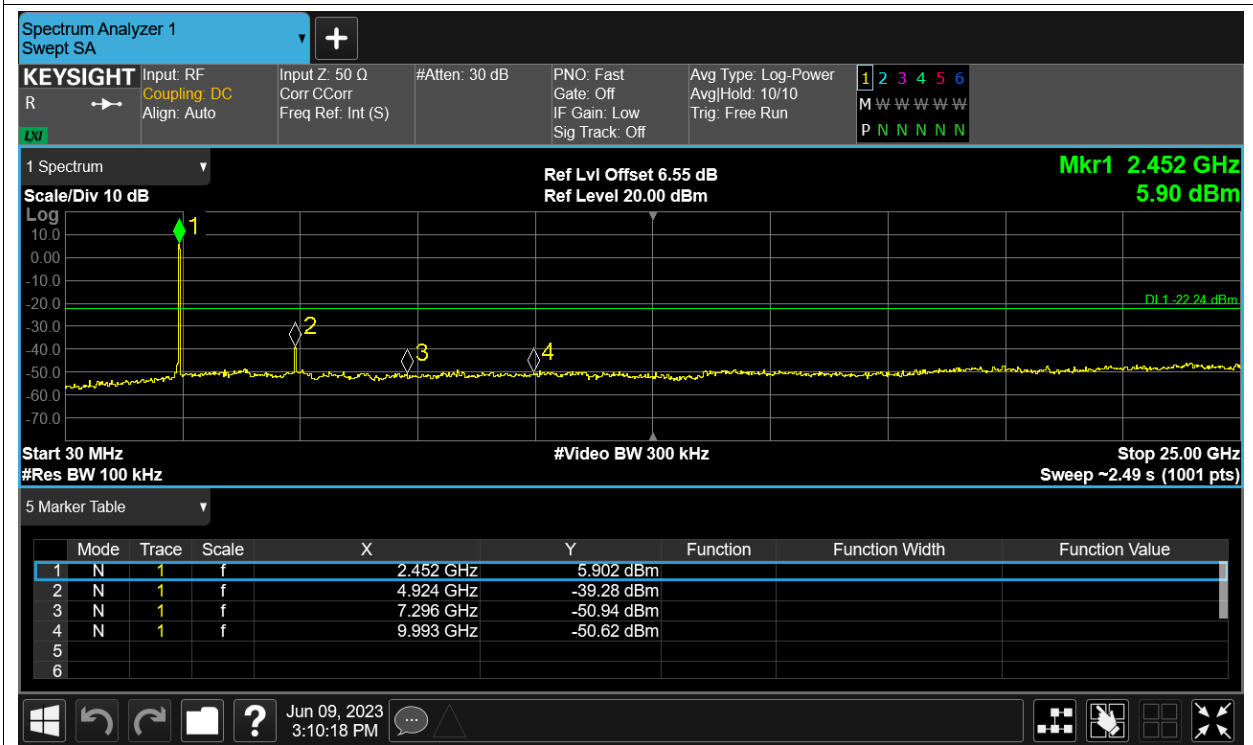
Tx. Spurious NVNT b 2437MHz Ant1 Emission



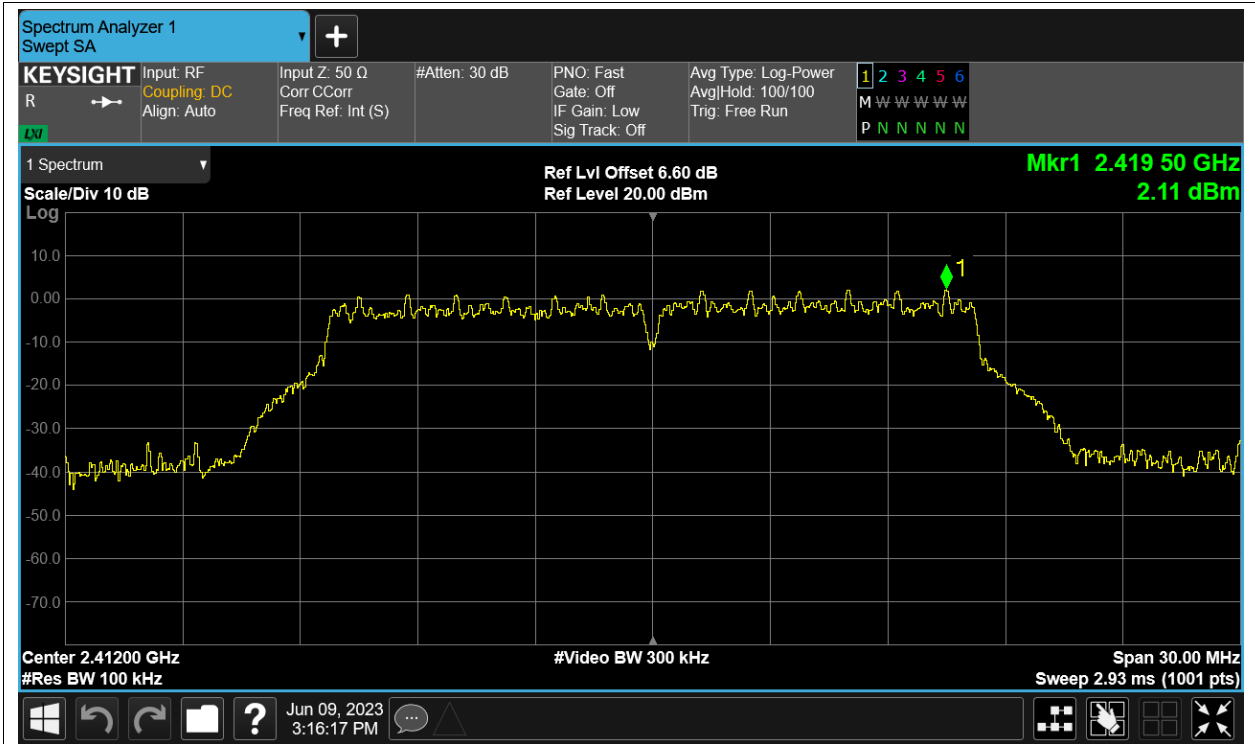
Tx. Spurious NVNT b 2462MHz Ant1 Ref



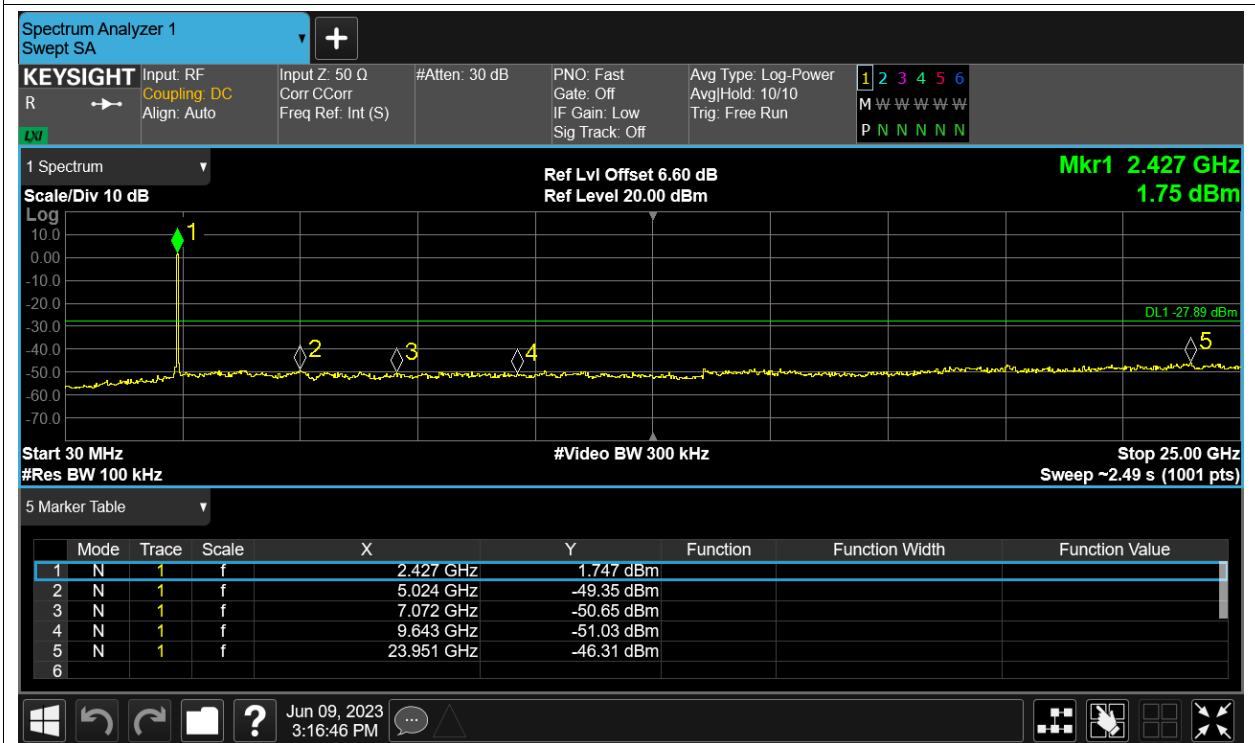
Tx. Spurious NVNT b 2462MHz Ant1 Emission



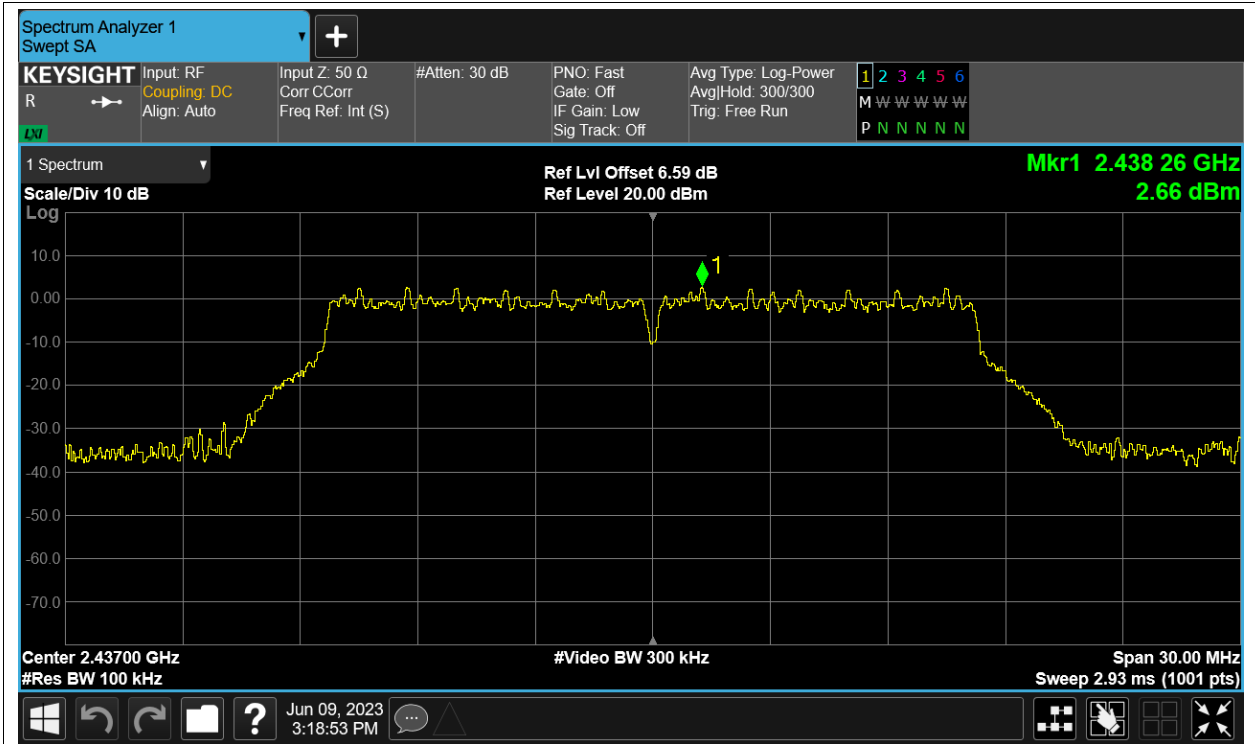
Tx. Spurious NVNT g 2412MHz Ant1 Ref



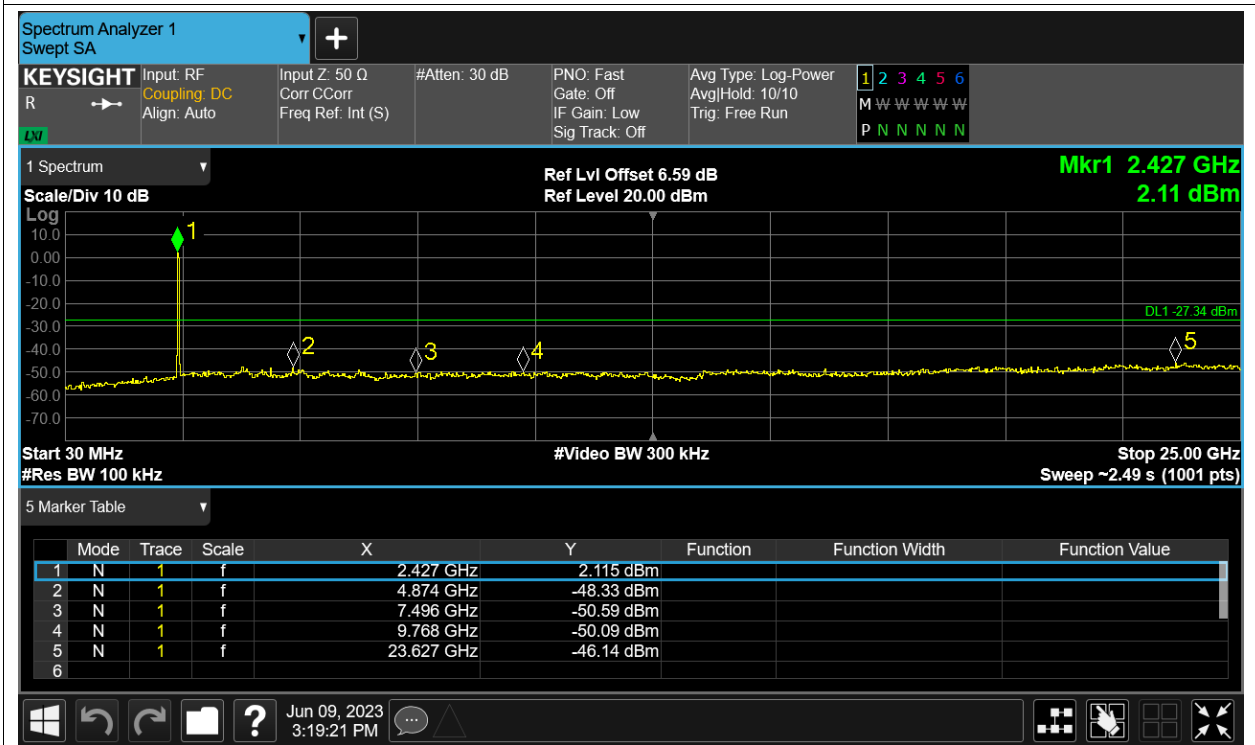
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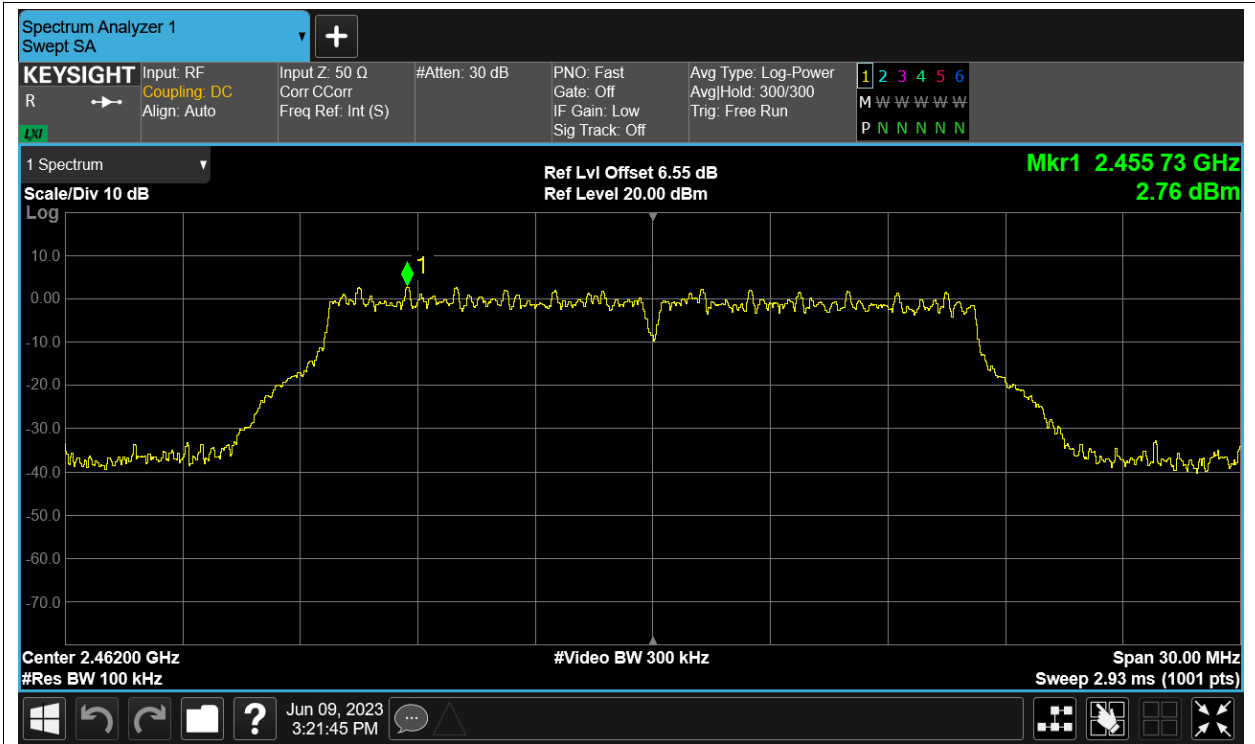
Tx. Spurious NVNT g 2437MHz Ant1 Ref



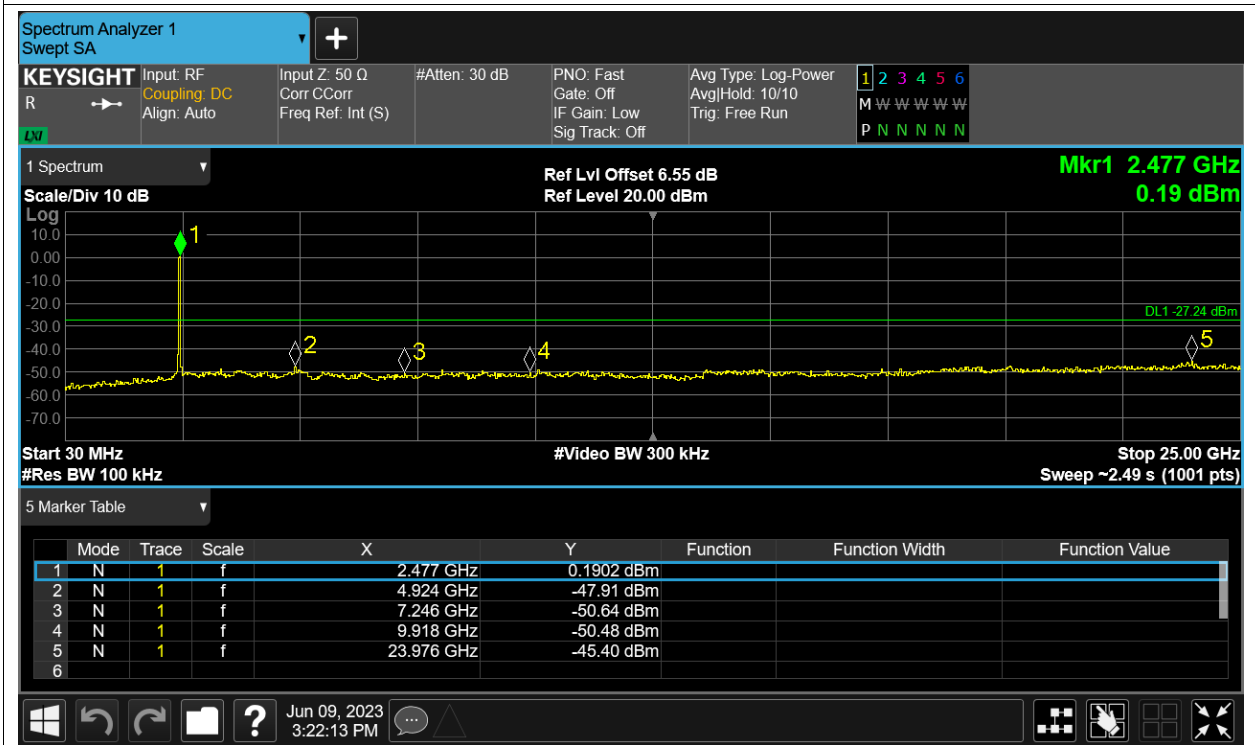
Tx. Spurious NVNT g 2437MHz Ant1 Emission



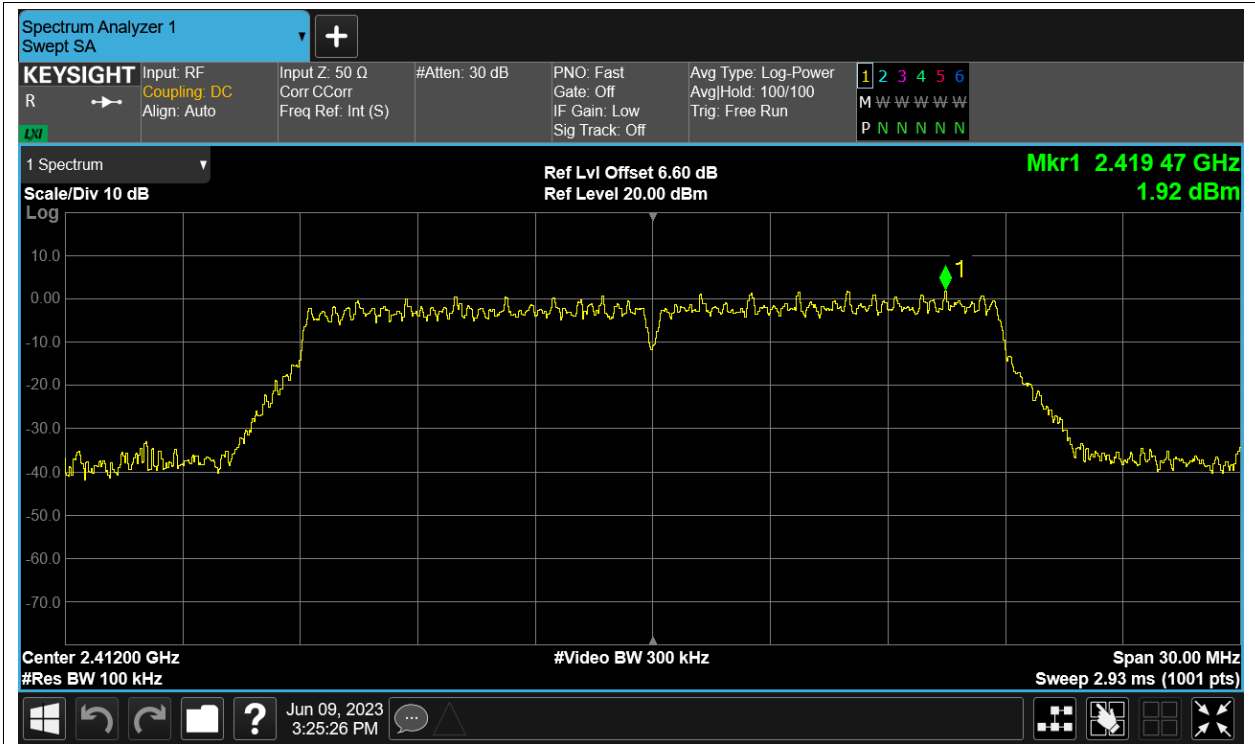
Tx. Spurious NVNT g 2462MHz Ant1 Ref



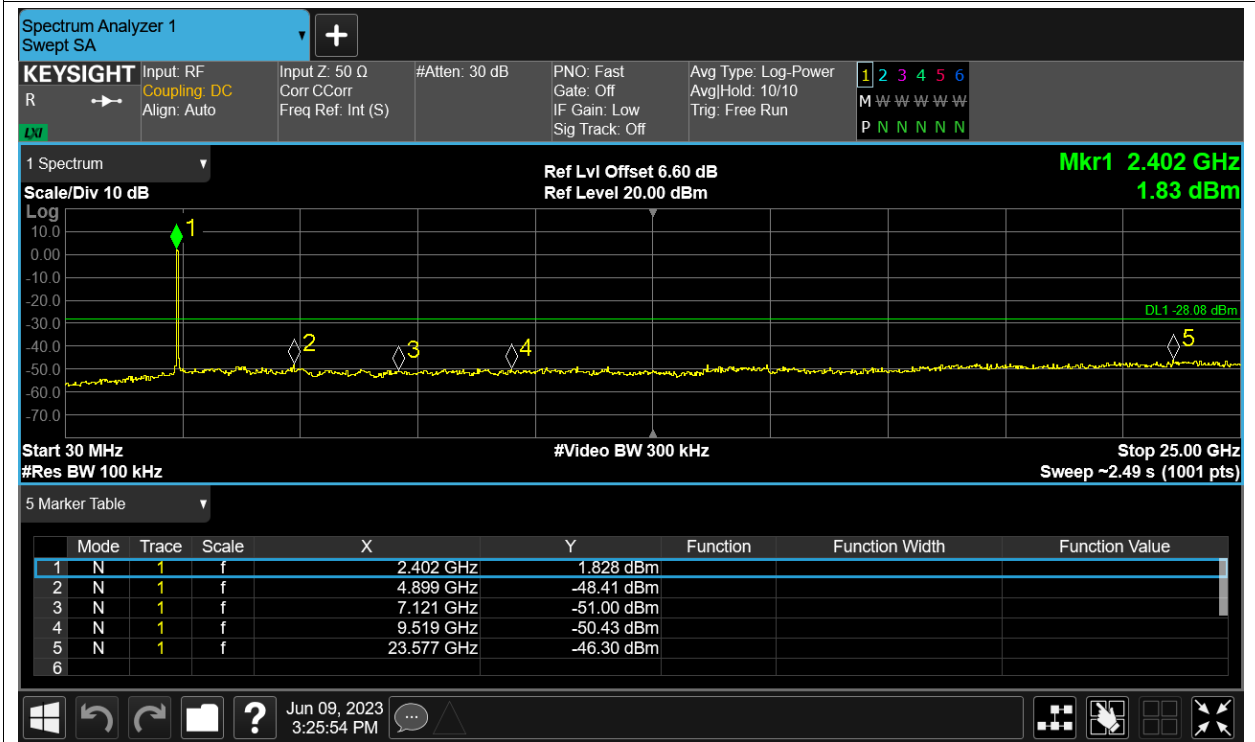
Tx. Spurious NVNT g 2462MHz Ant1 Emission



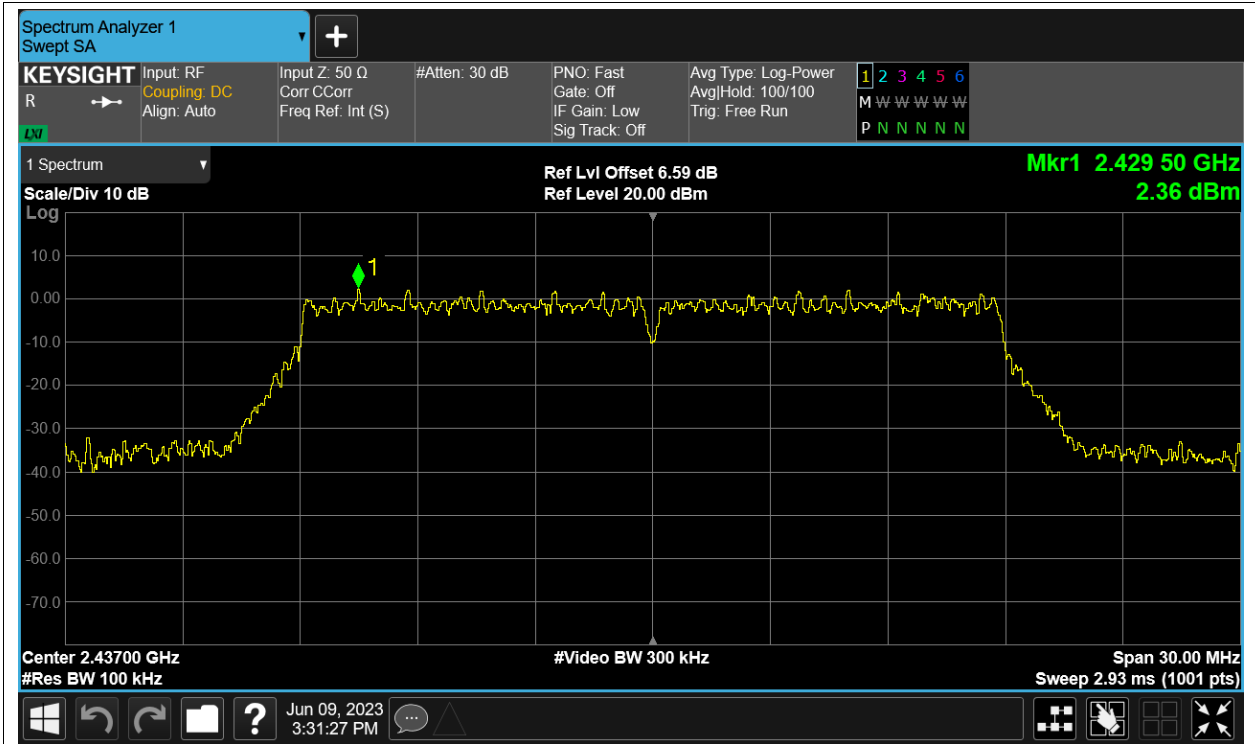
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



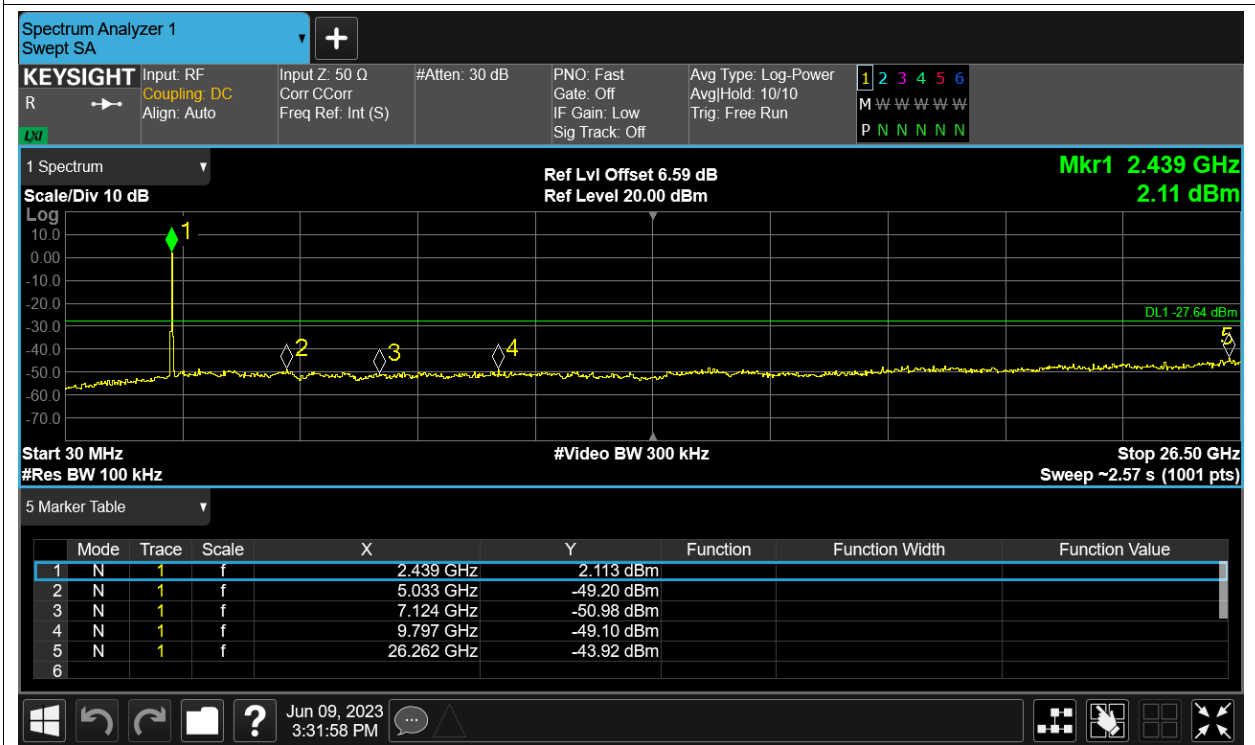
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



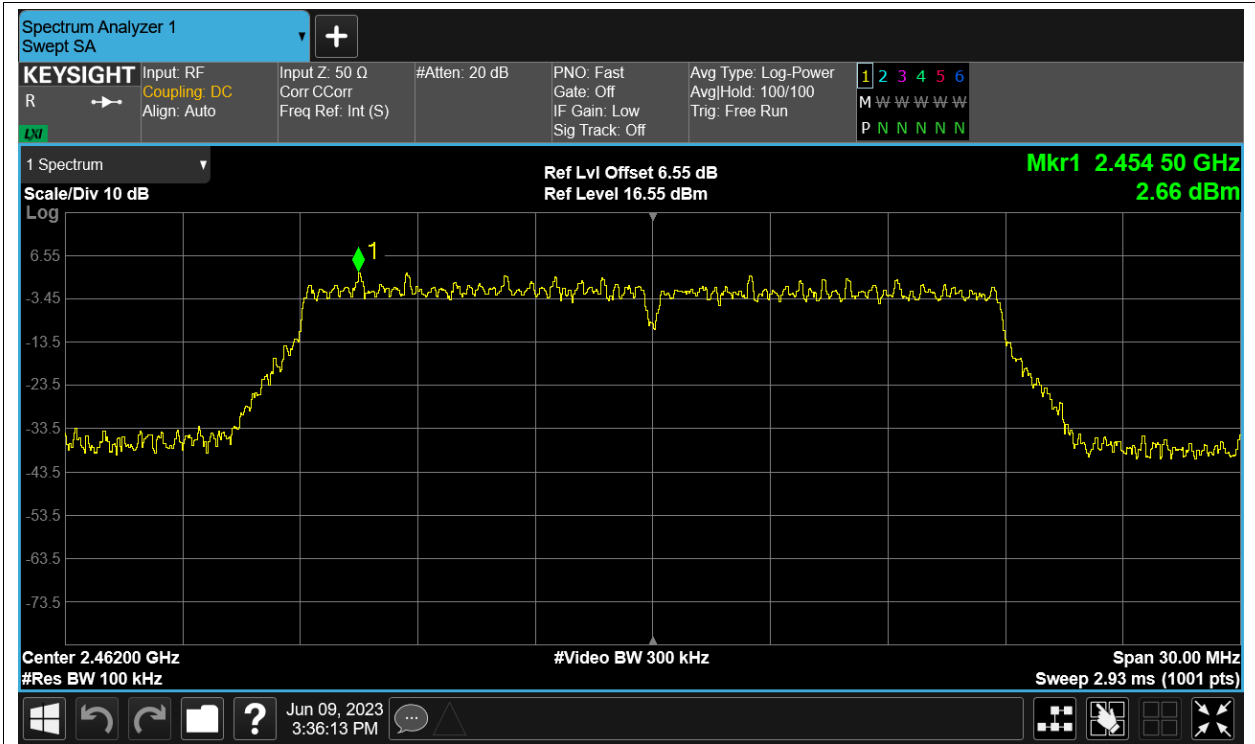
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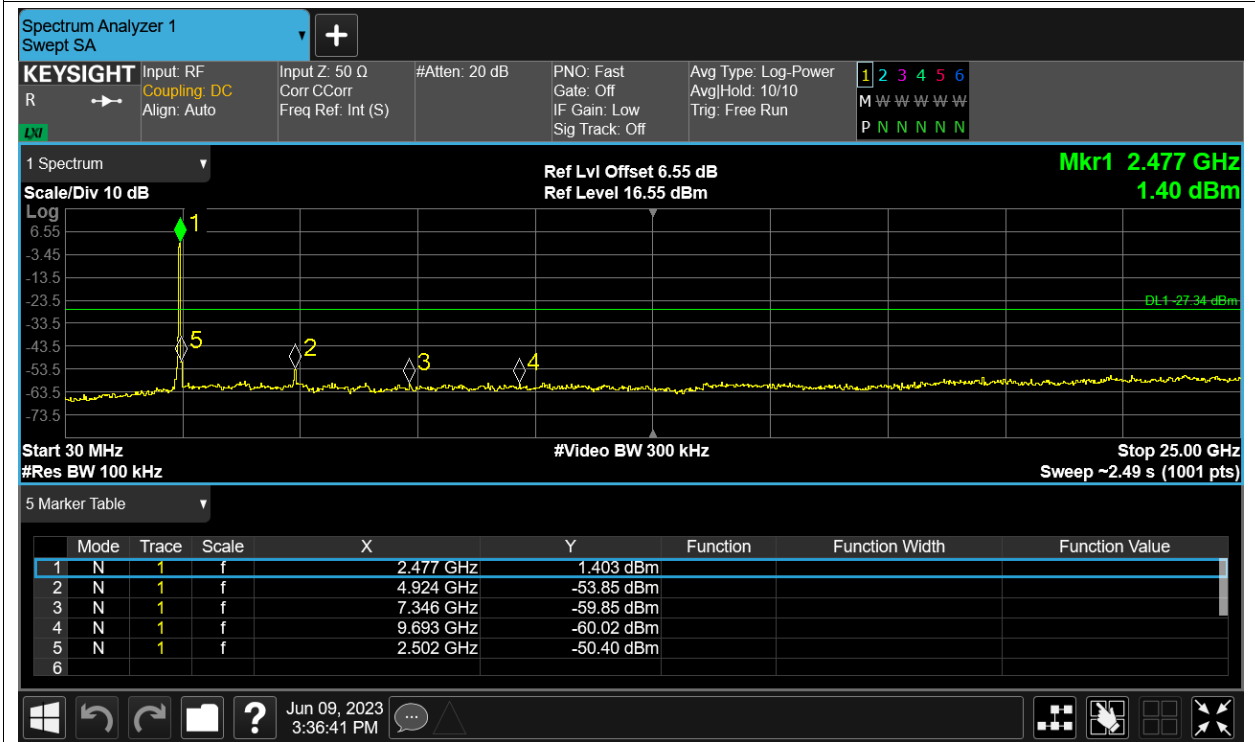
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref

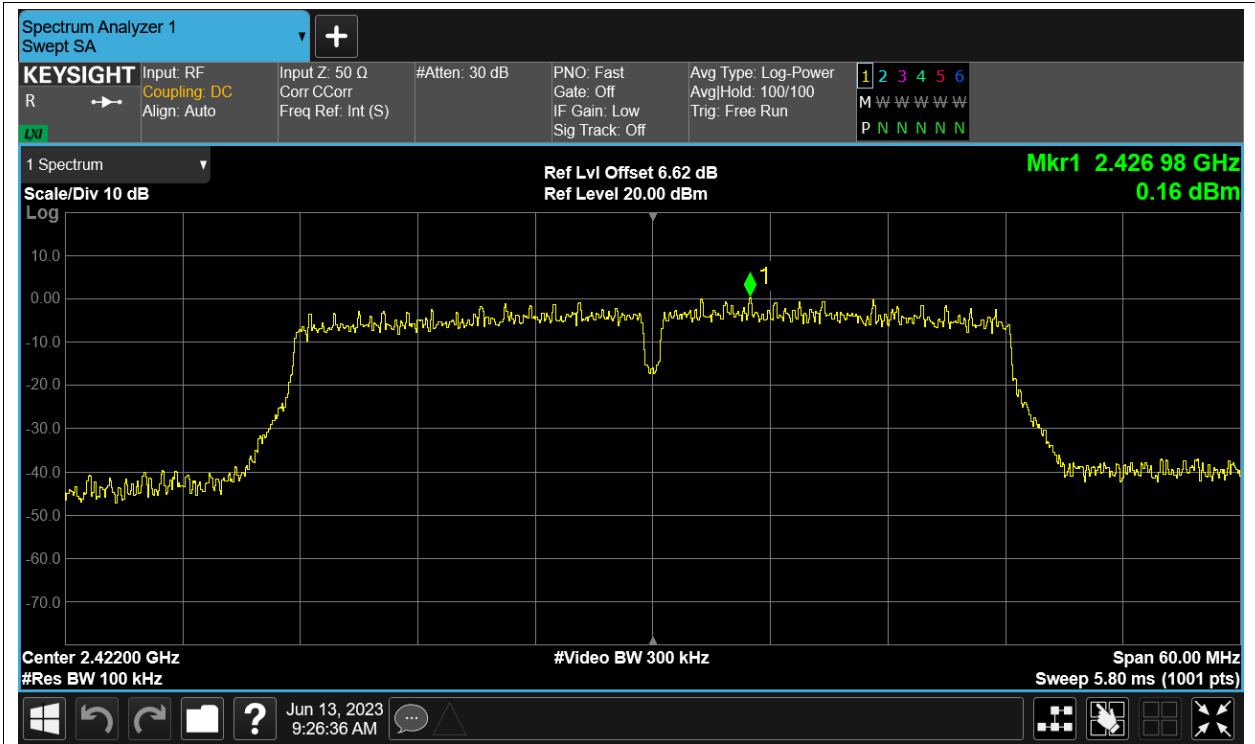


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

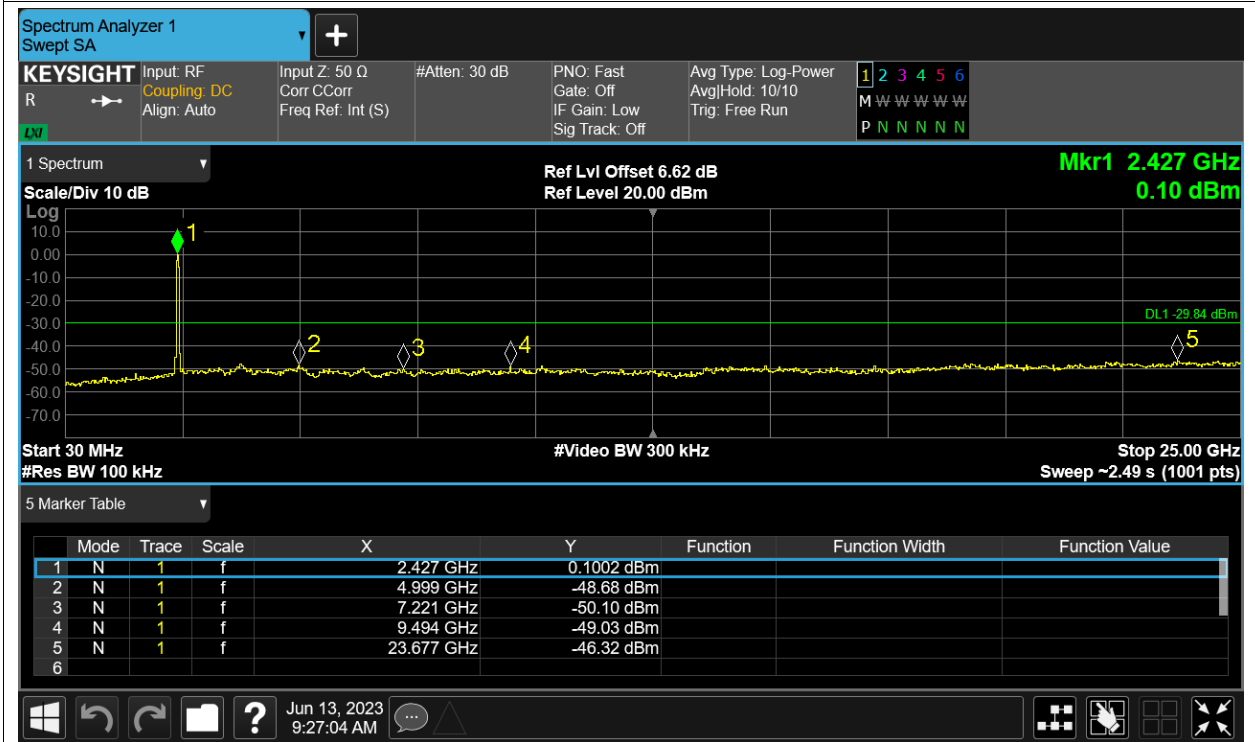


Tx. Spurious NVNT n40 2422MHz Ant1 Ref

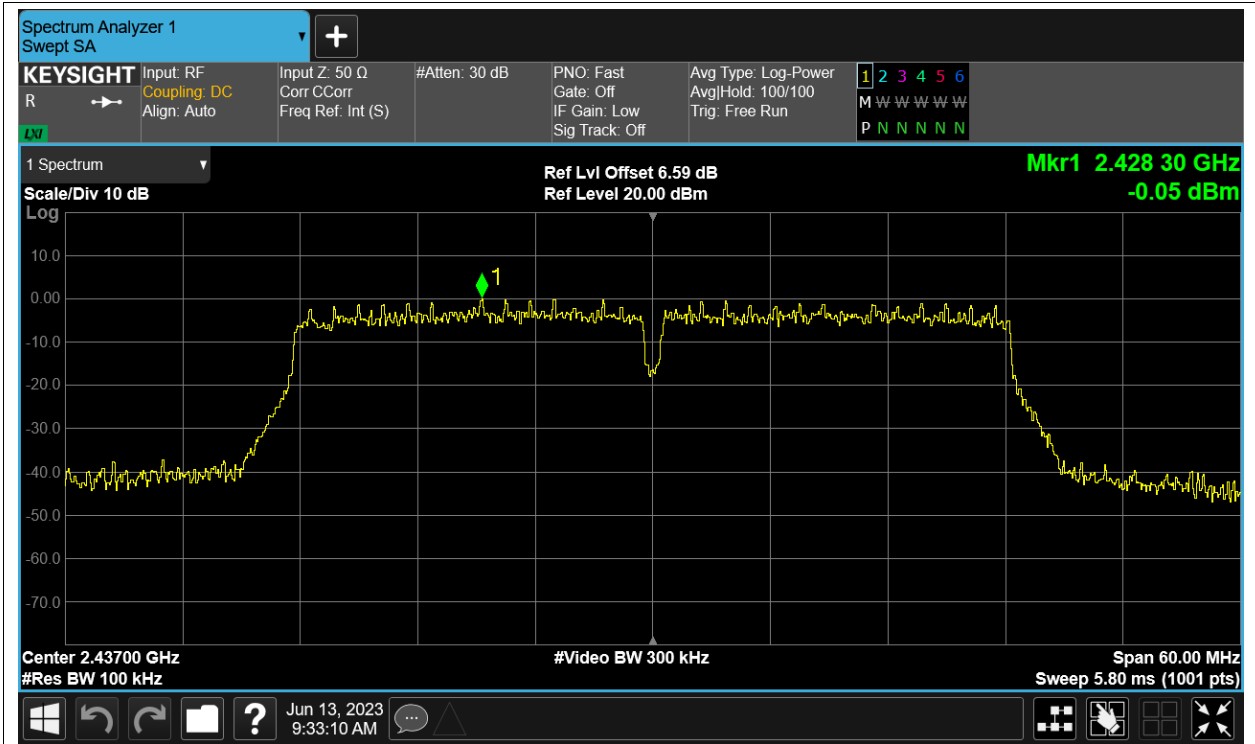




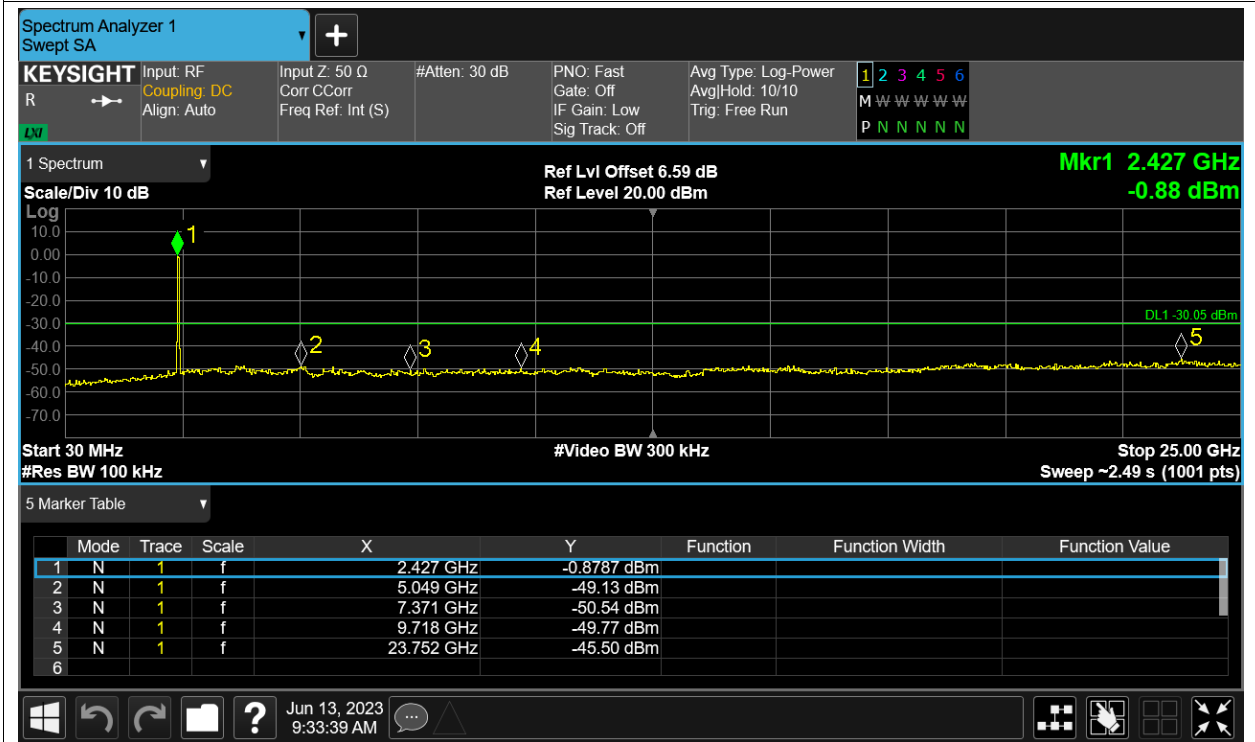
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



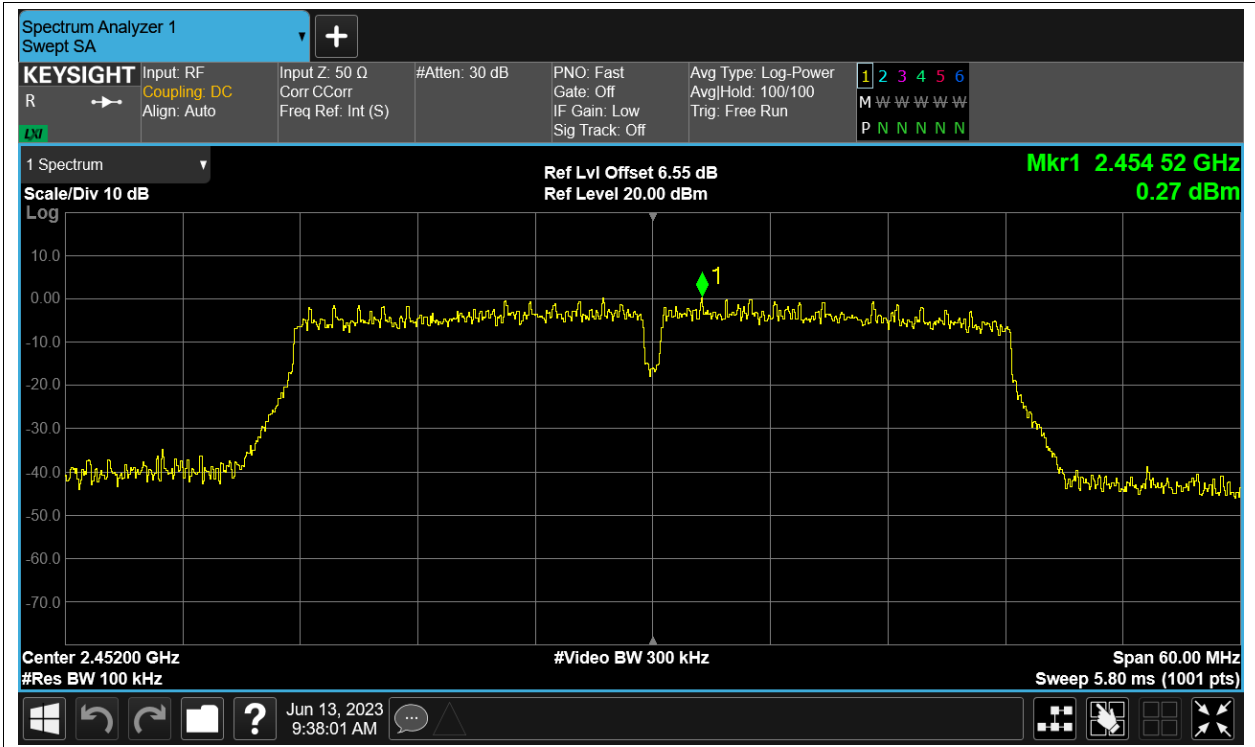
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

