

**Test Data****Duty Cycle**

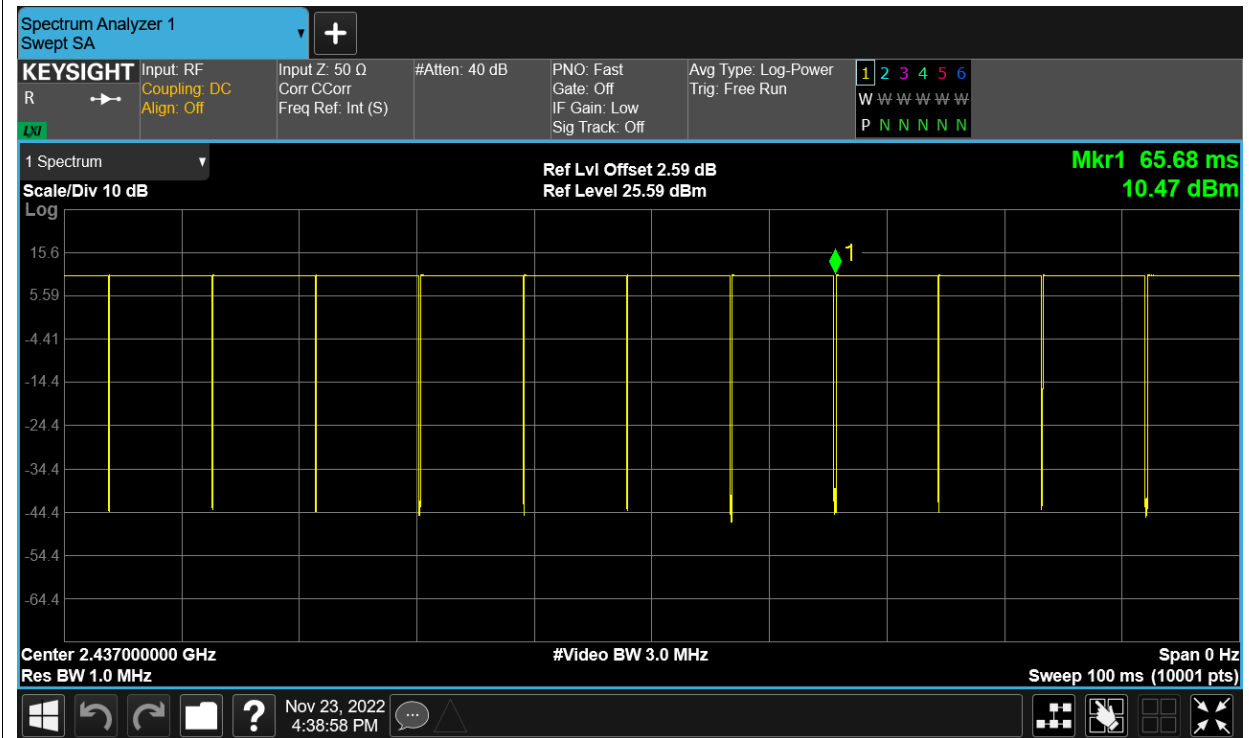
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	98.57	0.06
NVNT	b	2437	Ant1	98.67	0.06
NVNT	b	2462	Ant1	98.49	0.07
NVNT	g	2412	Ant1	91.24	0.4
NVNT	g	2437	Ant1	91.75	0.37
NVNT	g	2462	Ant1	92.33	0.35
NVNT	n20	2412	Ant1	84.24	0.74
NVNT	n20	2437	Ant1	84.94	0.71
NVNT	n20	2462	Ant1	84.74	0.72
NVNT	n40	2422	Ant1	73.47	1.34
NVNT	n40	2437	Ant1	73.55	1.33
NVNT	n40	2452	Ant1	73.47	1.34

Test Graphs

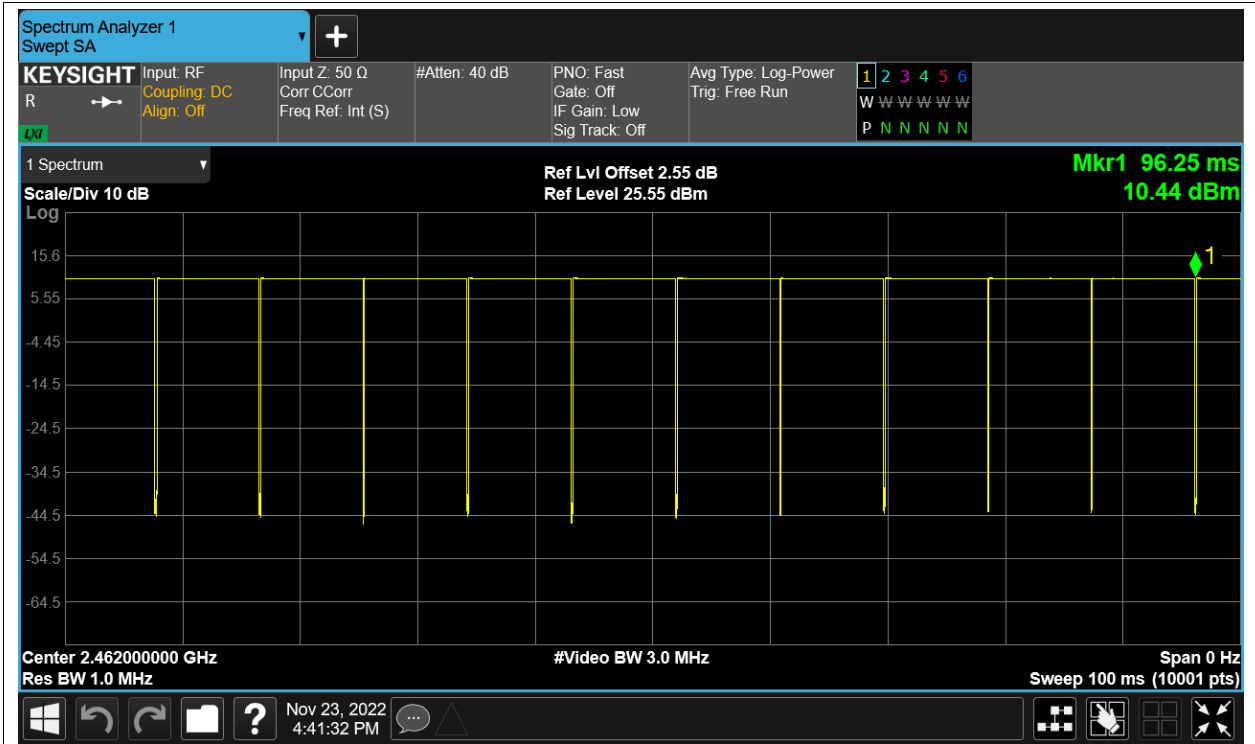
Duty Cycle NVNT b 2412MHz Ant1



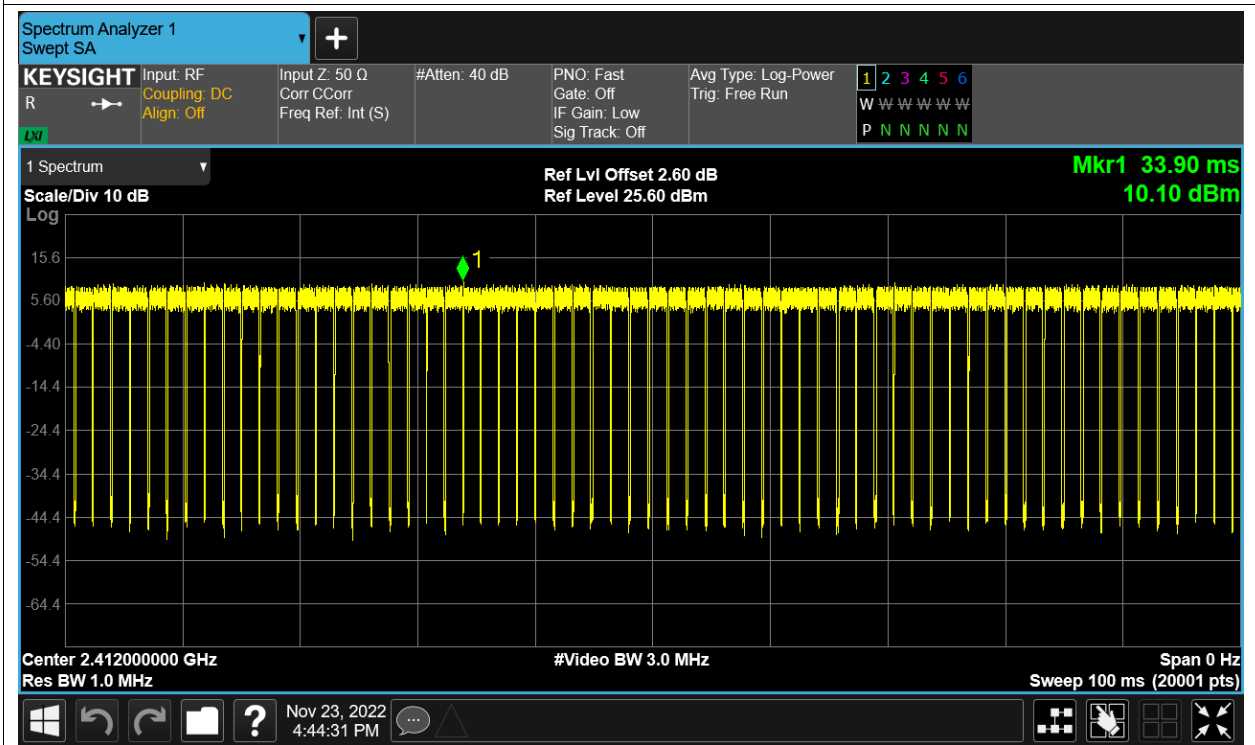
Duty Cycle NVNT b 2437MHz Ant1



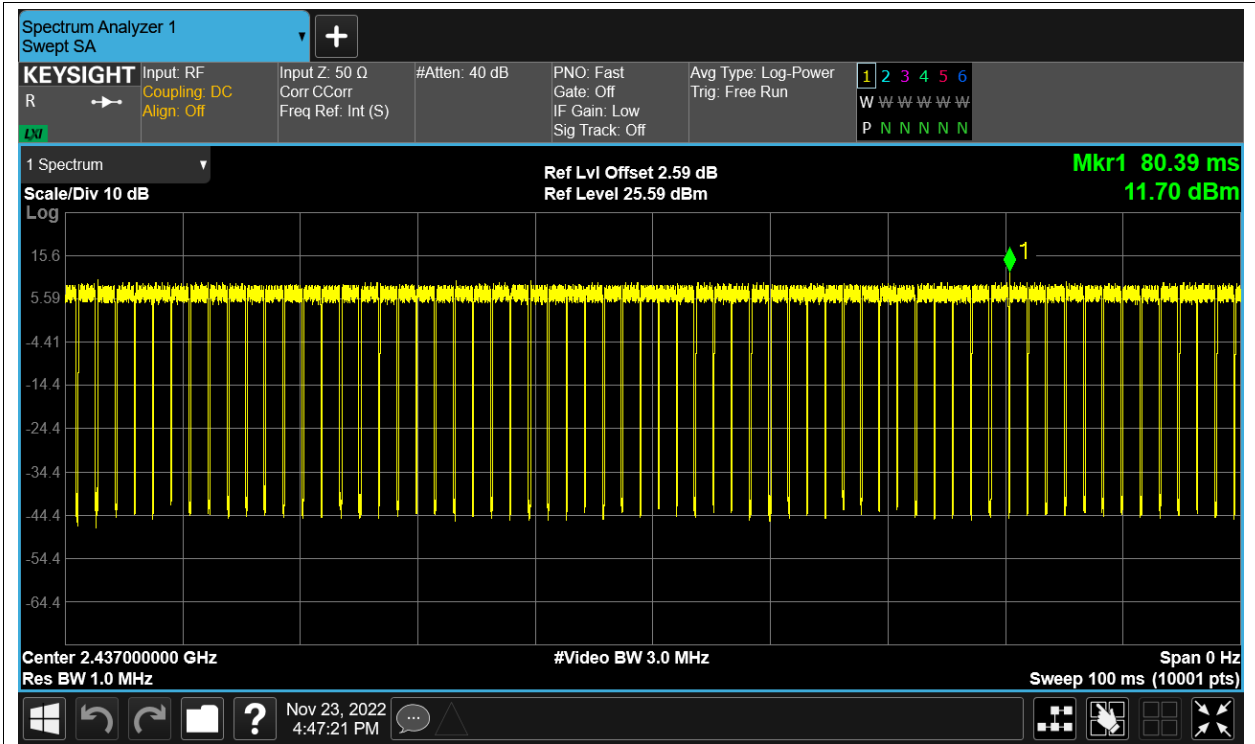
Duty Cycle NVNT b 2462MHz Ant1



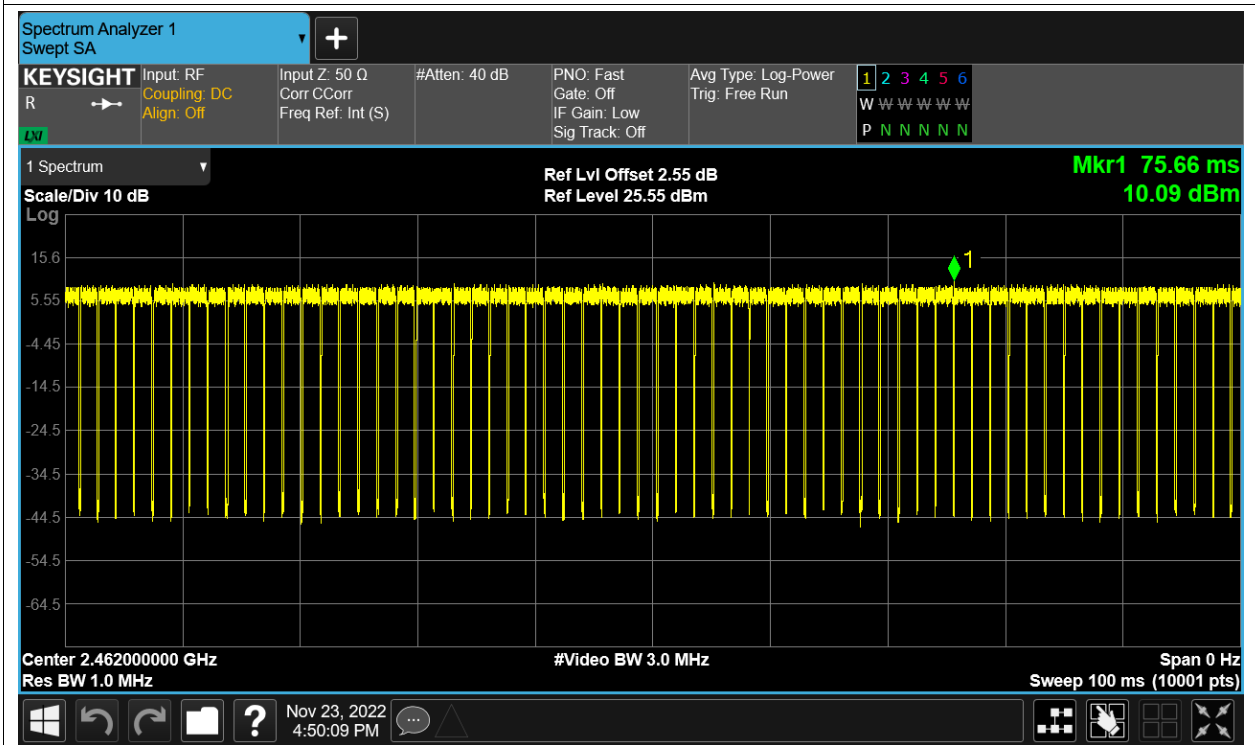
Duty Cycle NVNT g 2412MHz Ant1



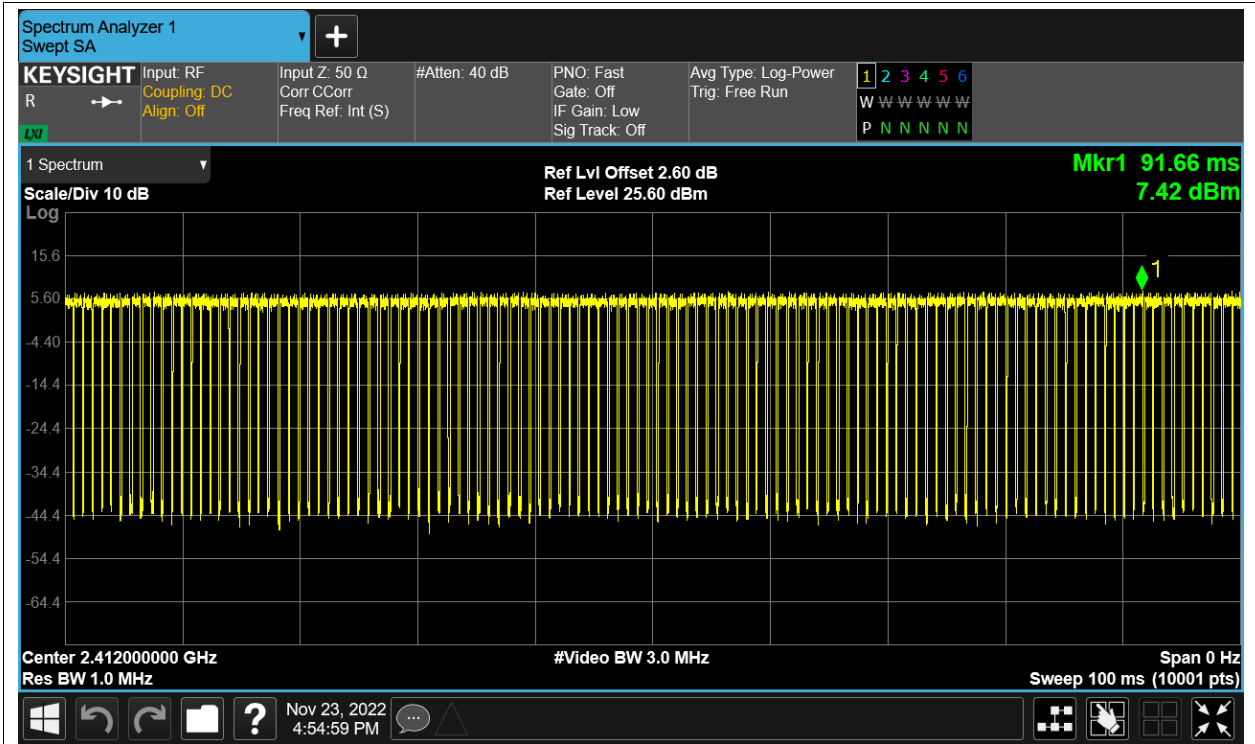
Duty Cycle NVNT g 2437MHz Ant1



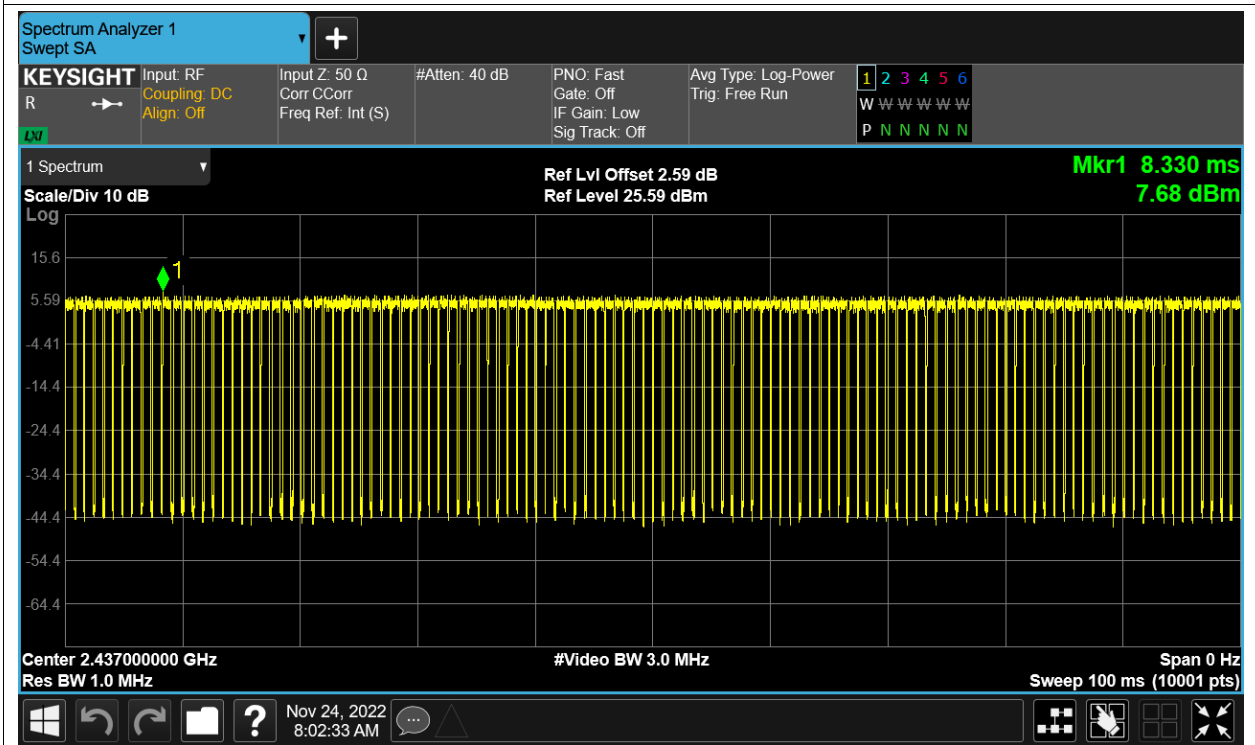
Duty Cycle NVNT g 2462MHz Ant1



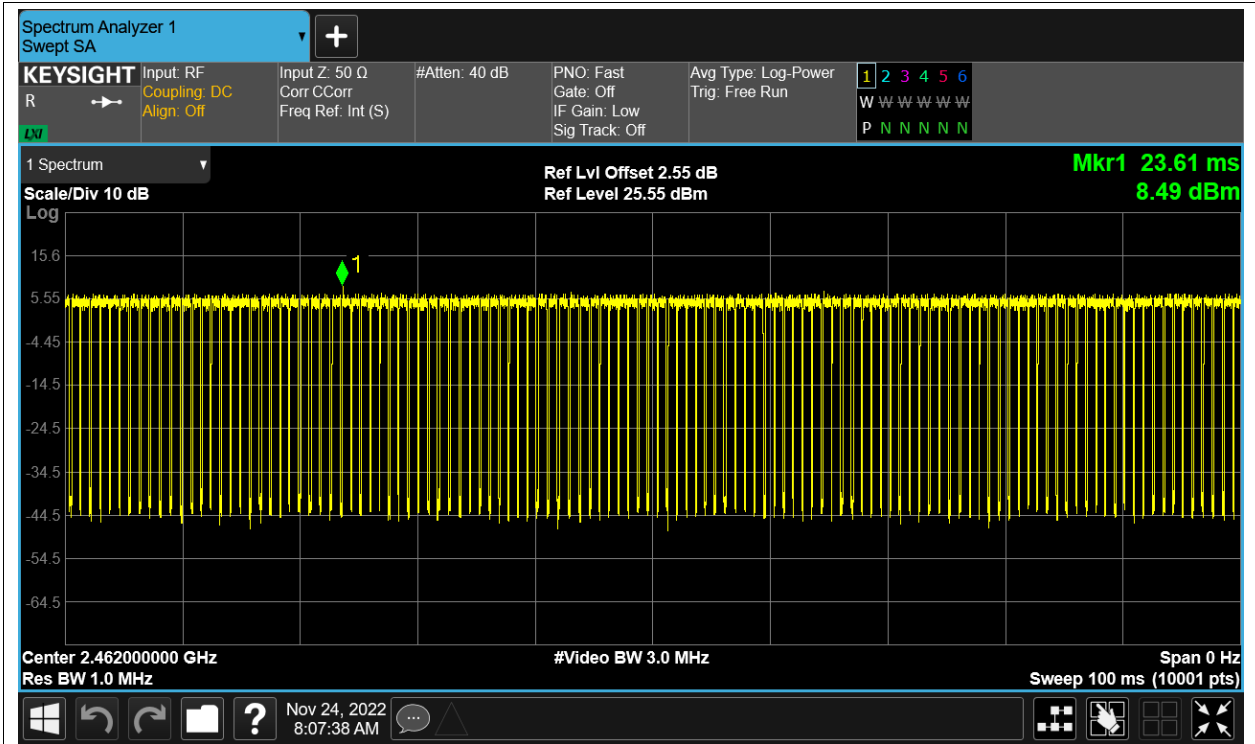
Duty Cycle NVNT n20 2412MHz Ant1



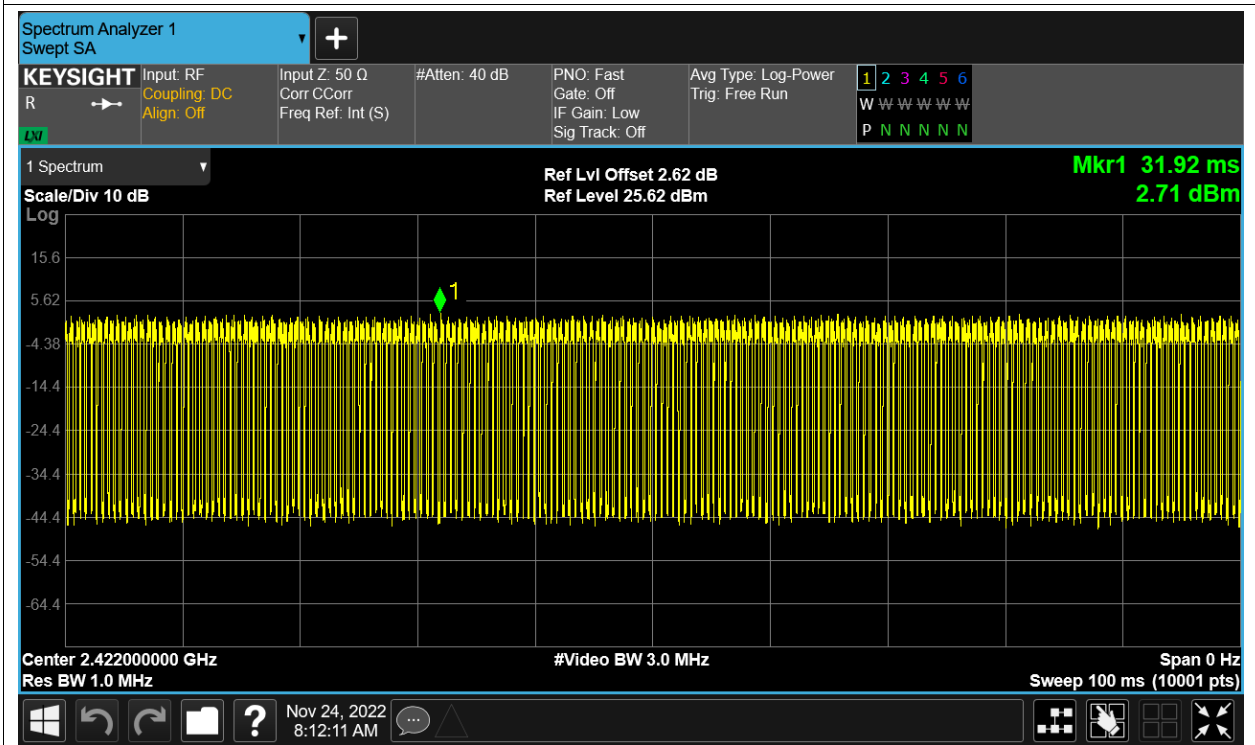
Duty Cycle NVNT n20 2437MHz Ant1



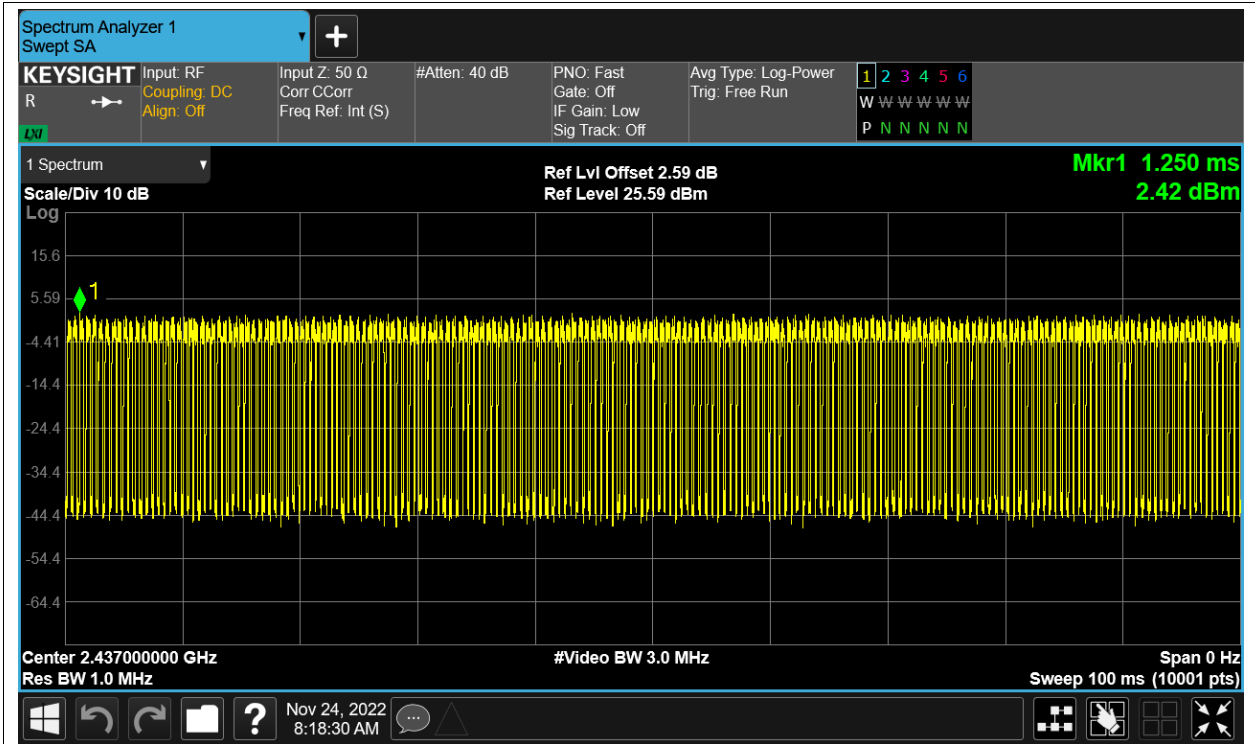
Duty Cycle NVNT n20 2462MHz Ant1



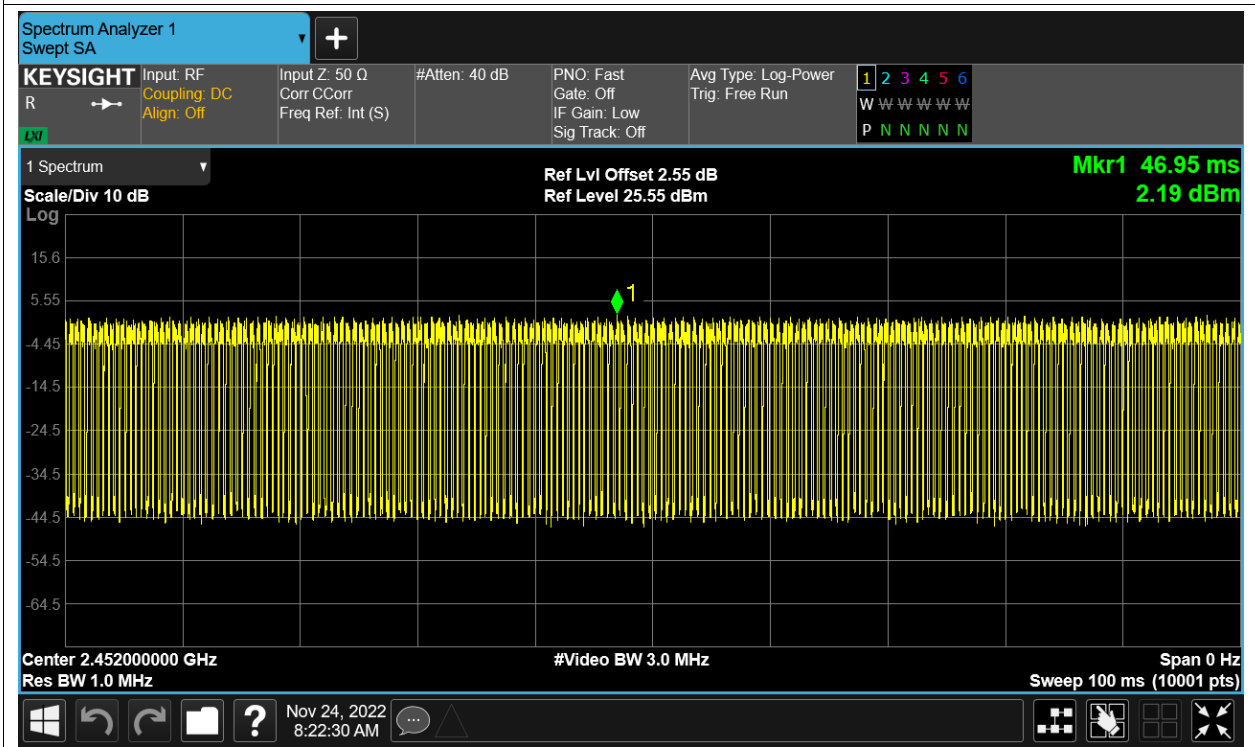
Duty Cycle NVNT n40 2422MHz Ant1



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	16.79	0.06	16.85	30	Pass
NVNT	b	2437	Ant1	16.42	0.06	16.48	30	Pass
NVNT	b	2462	Ant1	16.36	0.07	16.43	30	Pass
NVNT	g	2412	Ant1	13.16	0.4	13.56	30	Pass
NVNT	g	2437	Ant1	12.95	0.37	13.32	30	Pass
NVNT	g	2462	Ant1	12.9	0.35	13.25	30	Pass
NVNT	n20	2412	Ant1	11.92	0.74	12.66	30	Pass
NVNT	n20	2437	Ant1	11.4	0.71	12.11	30	Pass
NVNT	n20	2462	Ant1	11.16	0.72	11.88	30	Pass
NVNT	n40	2422	Ant1	10.5	1.34	11.84	30	Pass
NVNT	n40	2437	Ant1	10.32	1.33	11.65	30	Pass
NVNT	n40	2452	Ant1	10.18	1.34	11.52	30	Pass

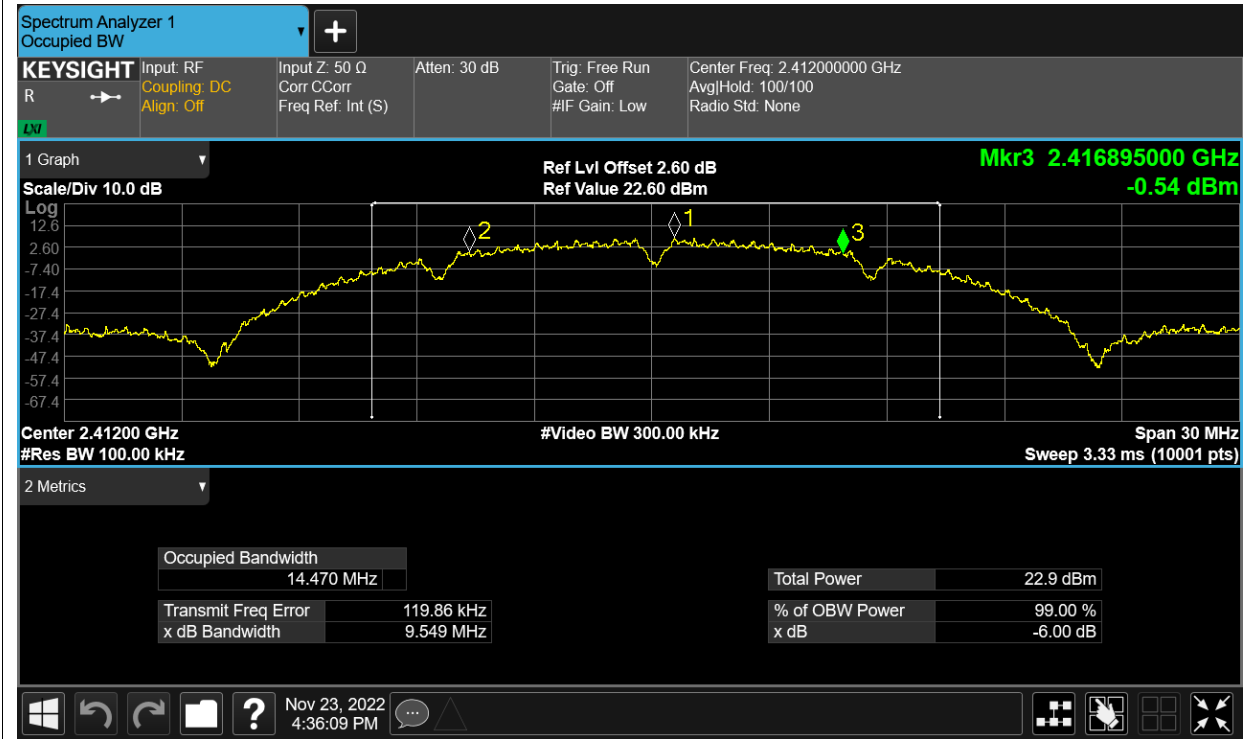


## -6dB Bandwidth

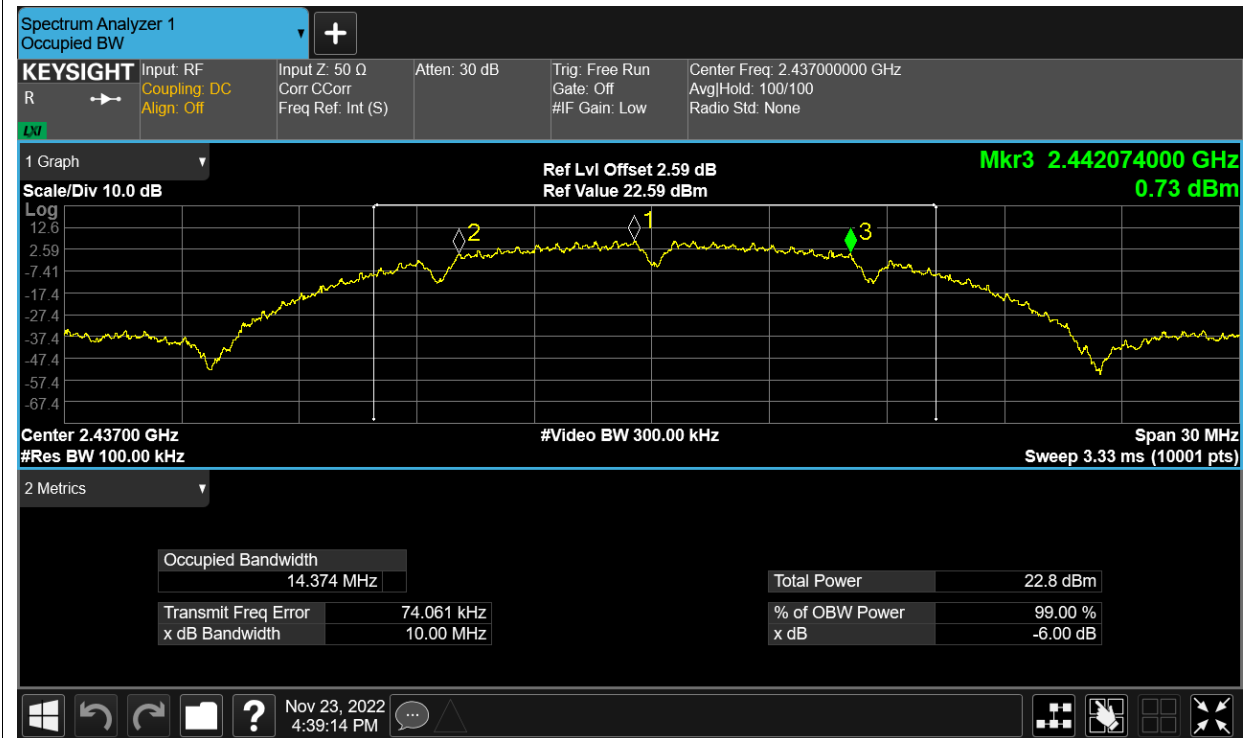
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant1	9.549	0.5	Pass
NVNT	b	2437	Ant1	10	0.5	Pass
NVNT	b	2462	Ant1	10.005	0.5	Pass
NVNT	g	2412	Ant1	15.035	0.5	Pass
NVNT	g	2437	Ant1	15.113	0.5	Pass
NVNT	g	2462	Ant1	14.108	0.5	Pass
NVNT	n20	2412	Ant1	15.04	0.5	Pass
NVNT	n20	2437	Ant1	13.823	0.5	Pass
NVNT	n20	2462	Ant1	13.878	0.5	Pass
NVNT	n40	2422	Ant1	35.014	0.5	Pass
NVNT	n40	2437	Ant1	35.041	0.5	Pass
NVNT	n40	2452	Ant1	35.03	0.5	Pass

Test Graphs

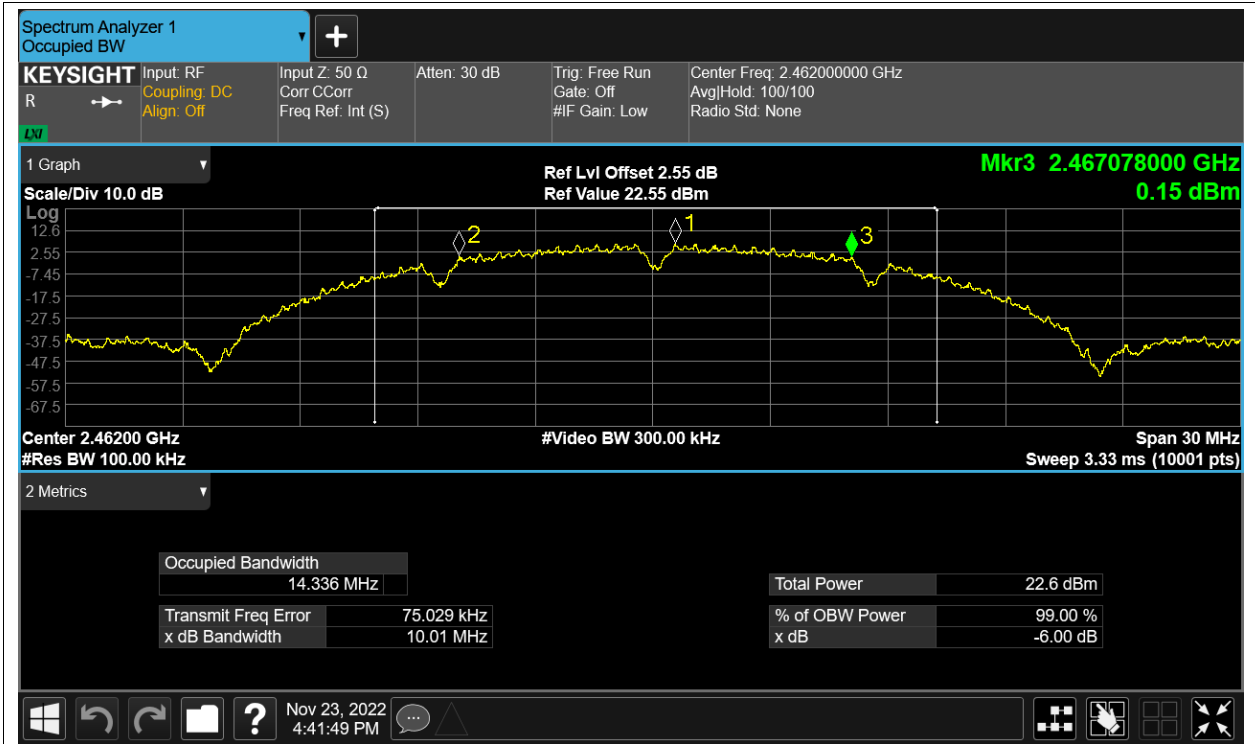
-6dB Bandwidth NVNT b 2412MHz Ant1



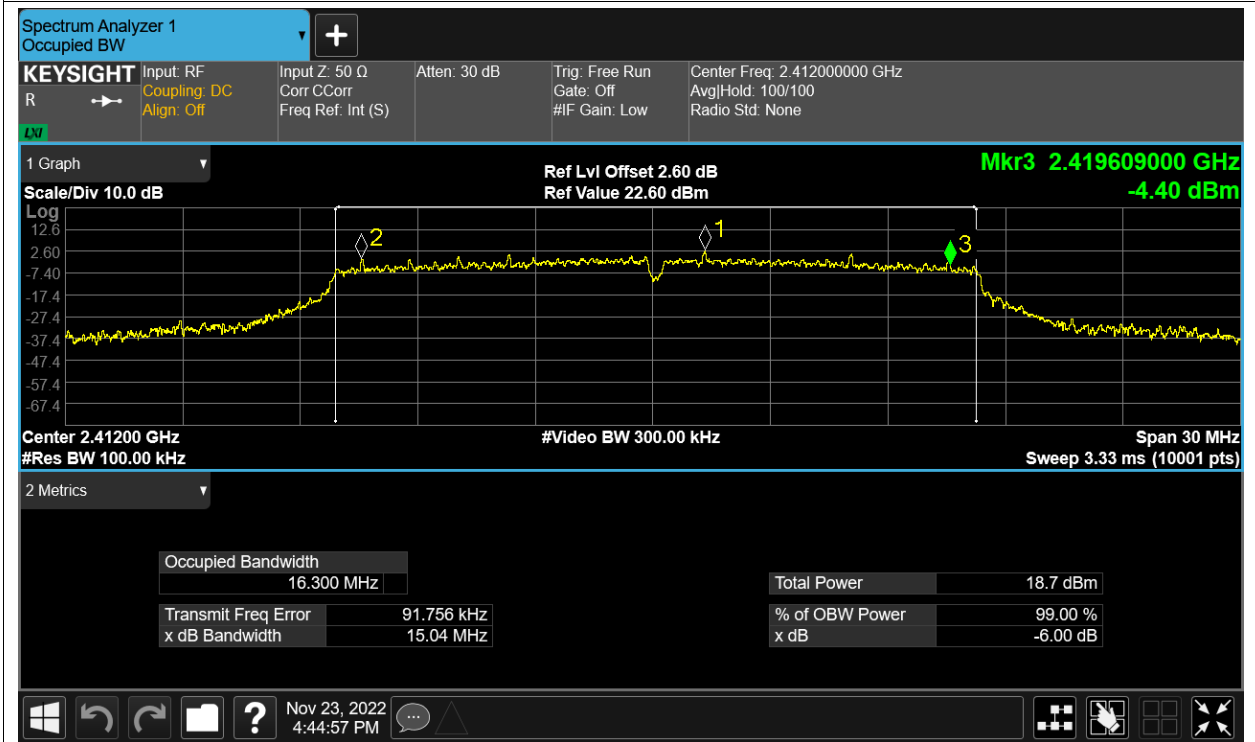
-6dB Bandwidth NVNT b 2437MHz Ant1



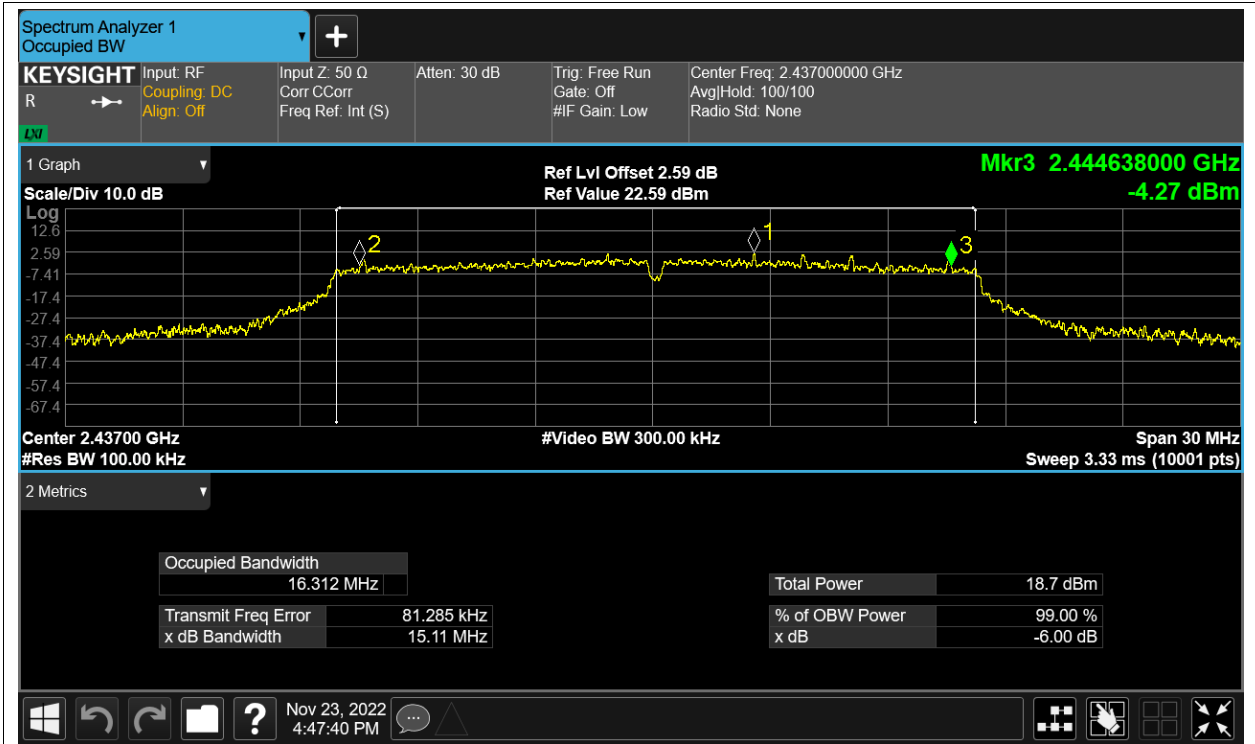
-6dB Bandwidth NVNT b 2462MHz Ant1



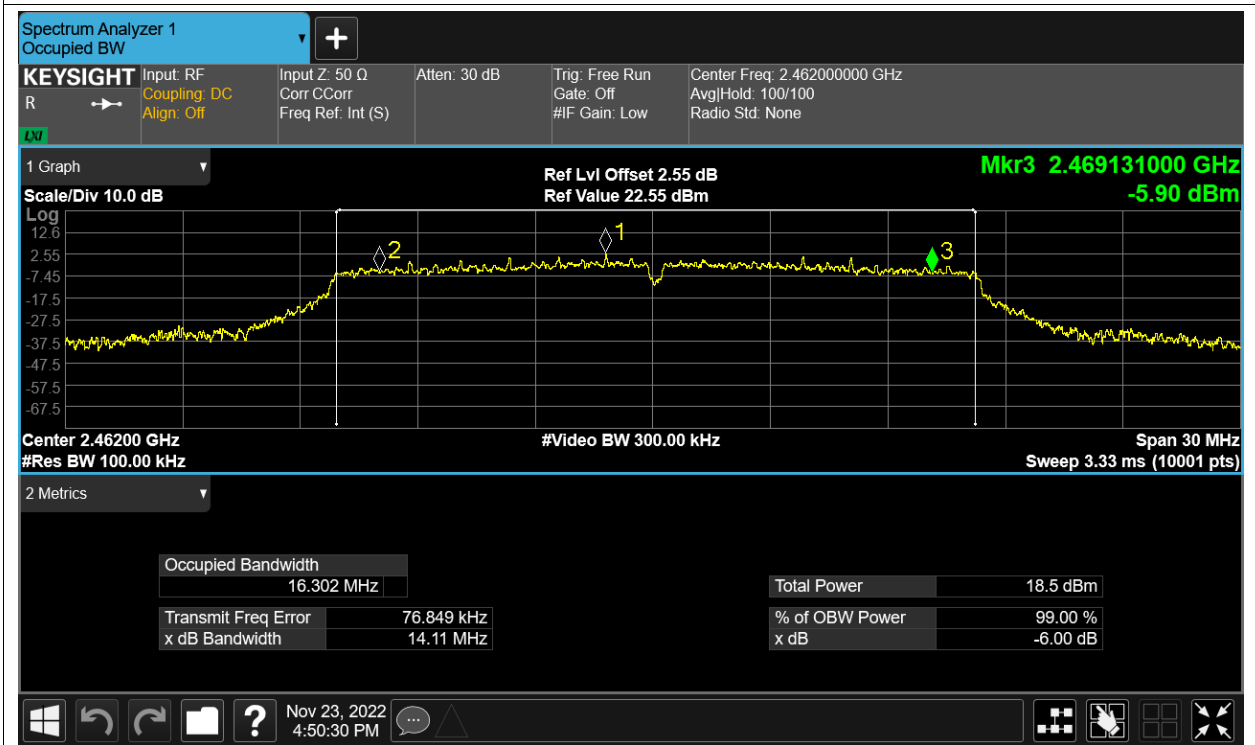
-6dB Bandwidth NVNT g 2412MHz Ant1



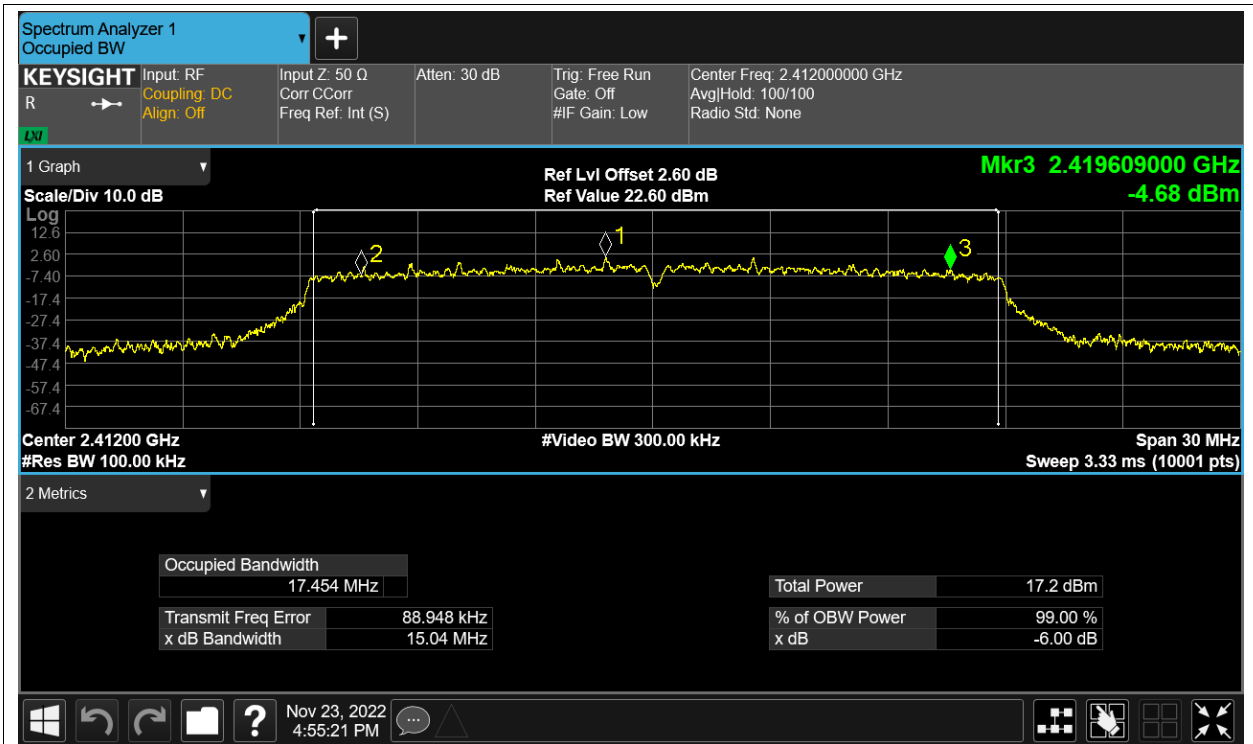
-6dB Bandwidth NVNT g 2437MHz Ant1



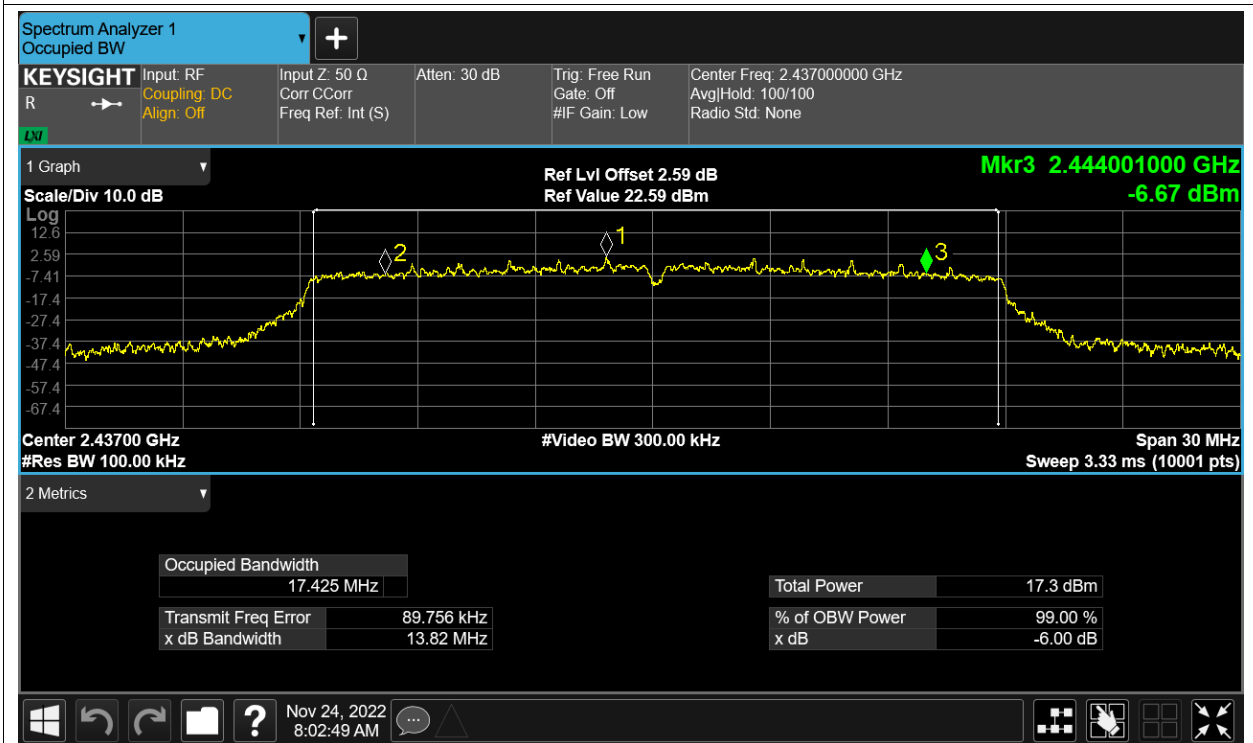
-6dB Bandwidth NVNT g 2462MHz Ant1



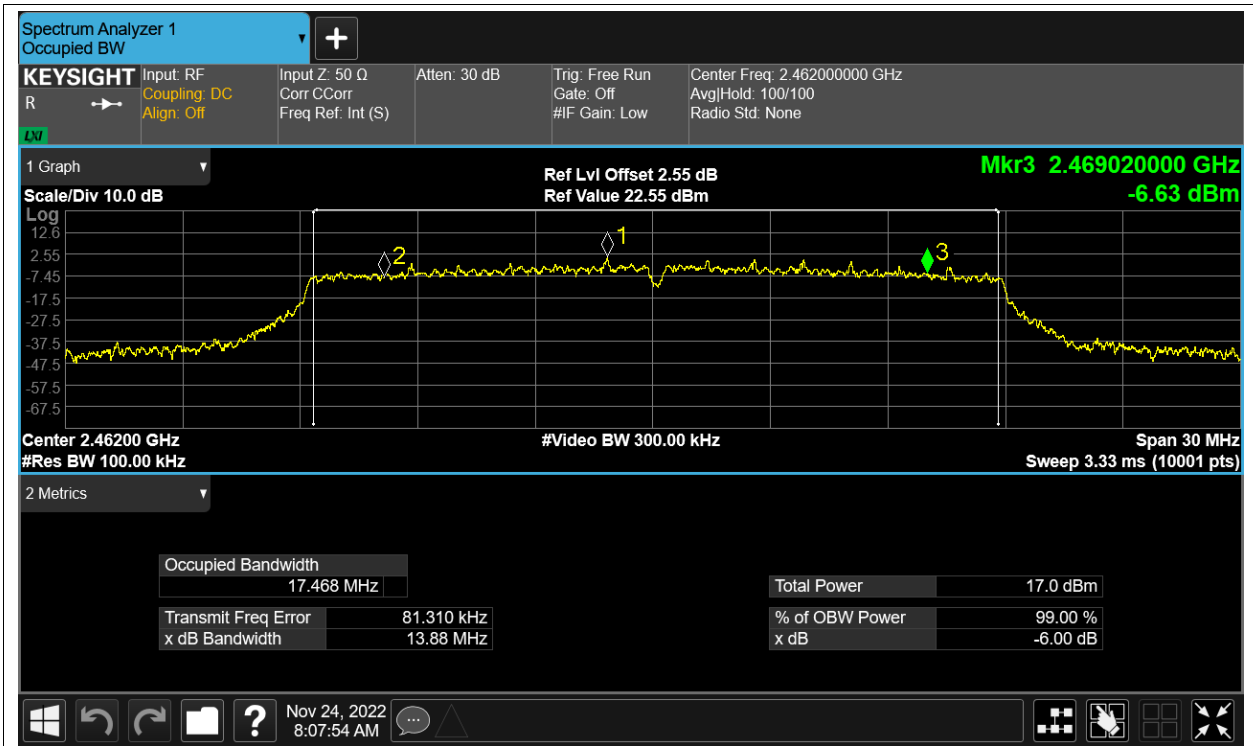
-6dB Bandwidth NVNT n20 2412MHz Ant1



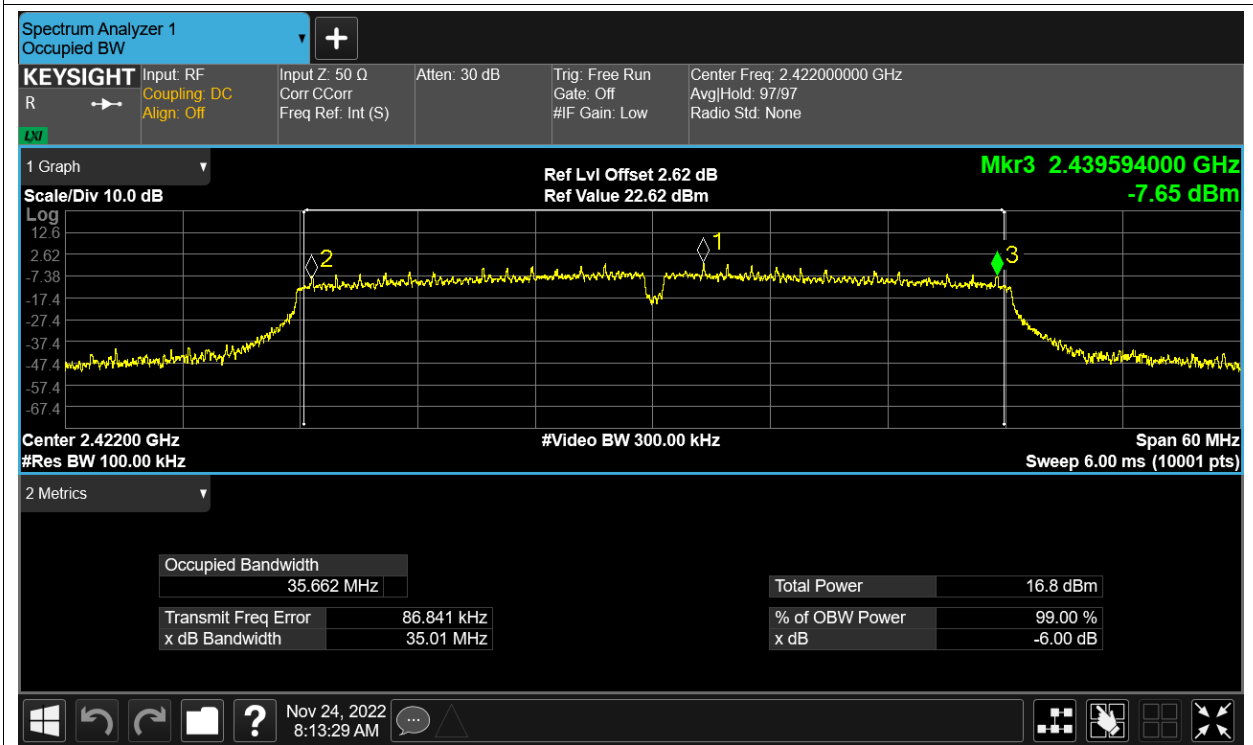
-6dB Bandwidth NVNT n20 2437MHz Ant1



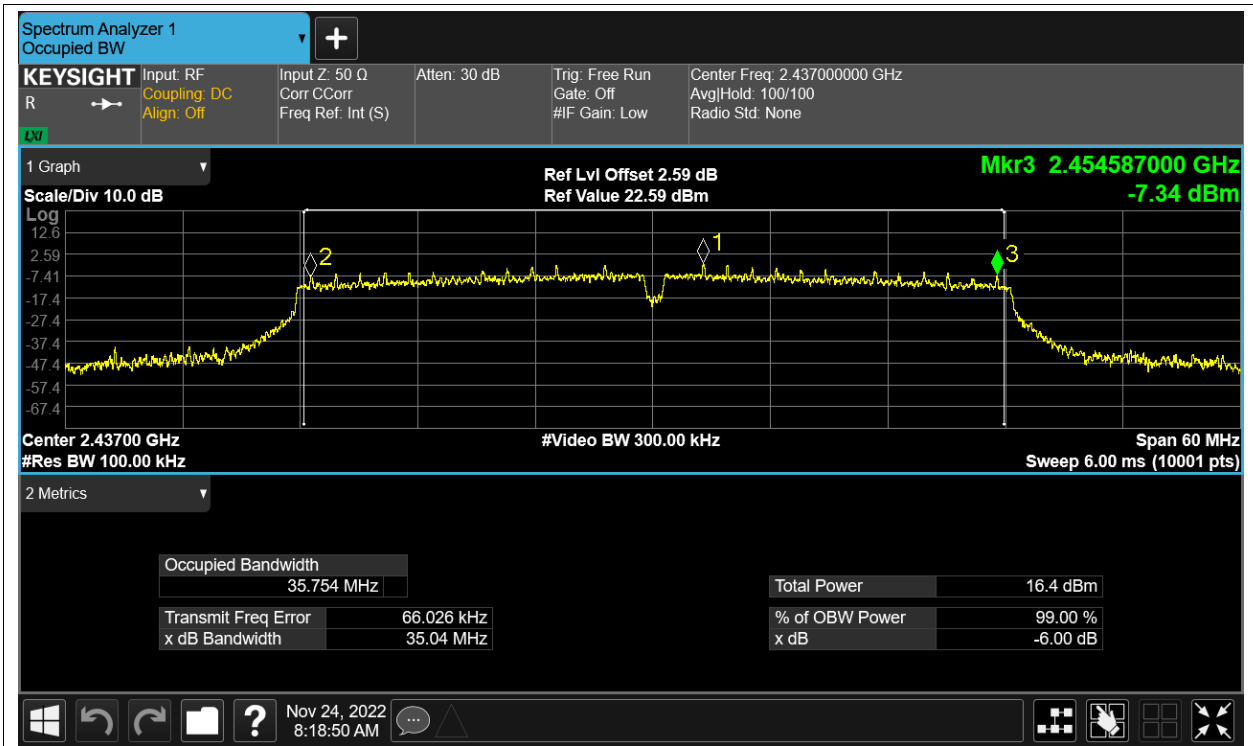
-6dB Bandwidth NVNT n20 2462MHz Ant1



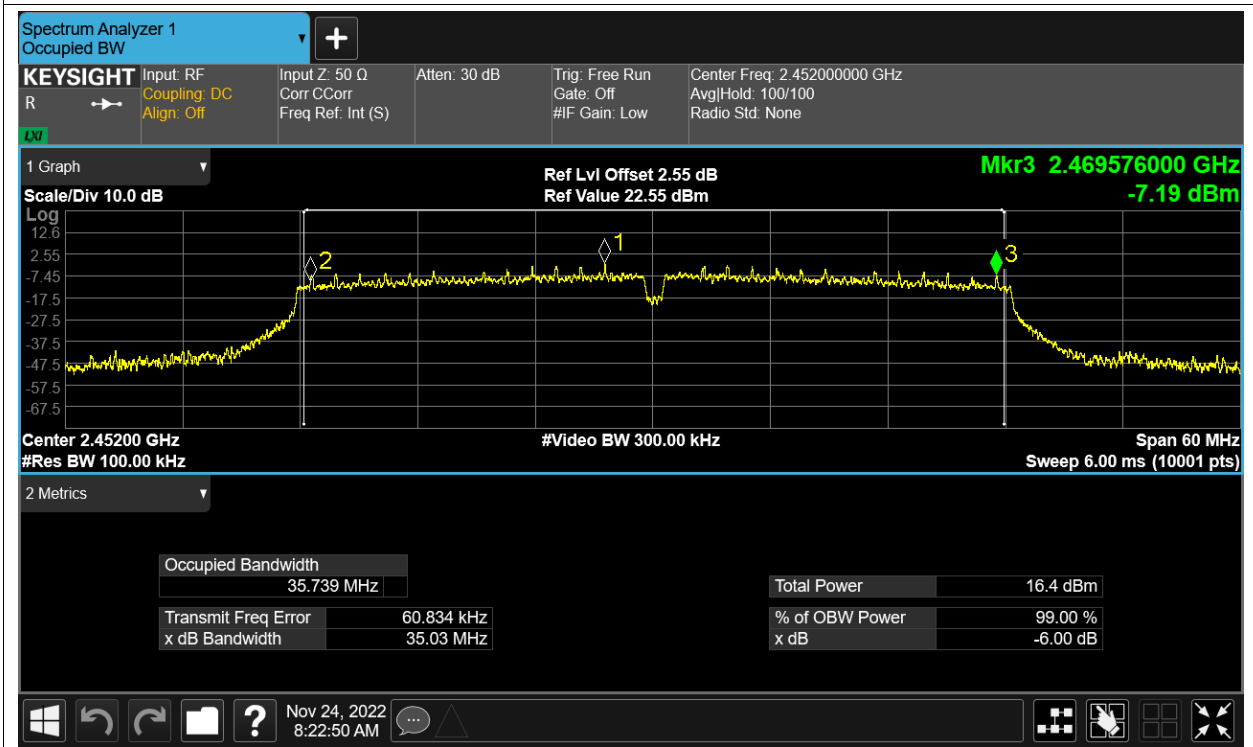
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

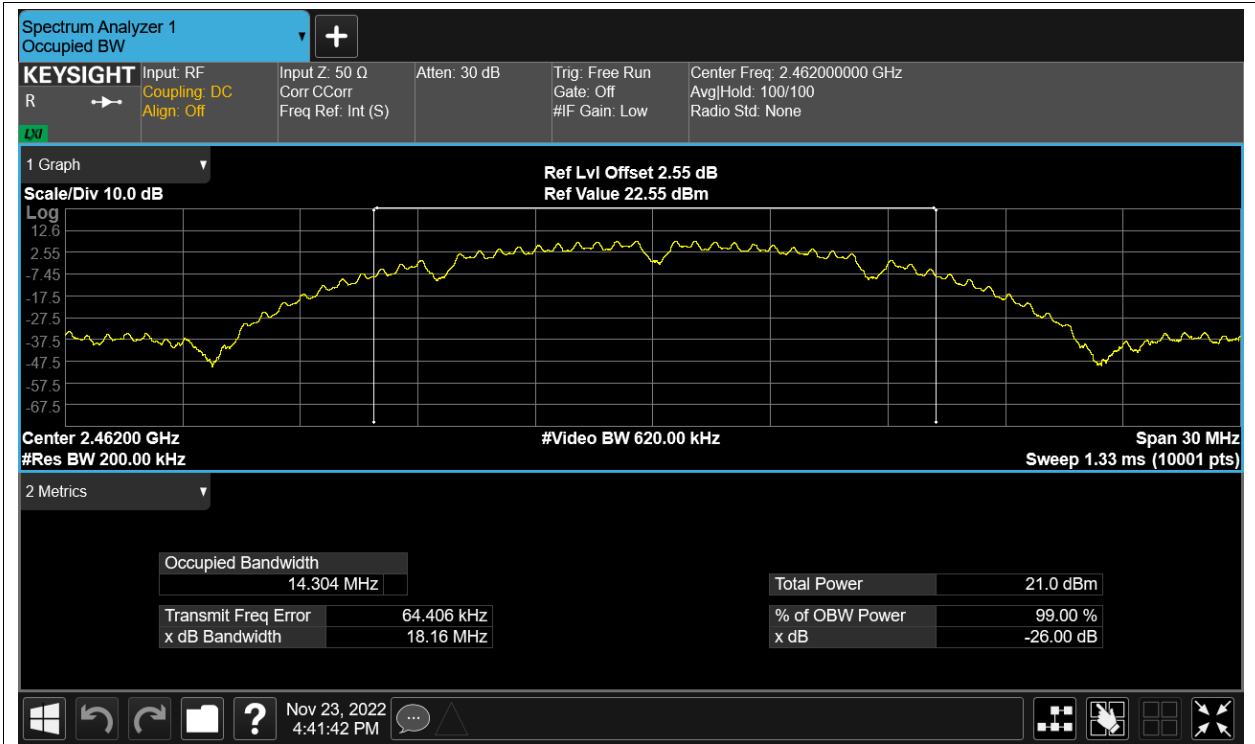


## Occupied Channel Bandwidth

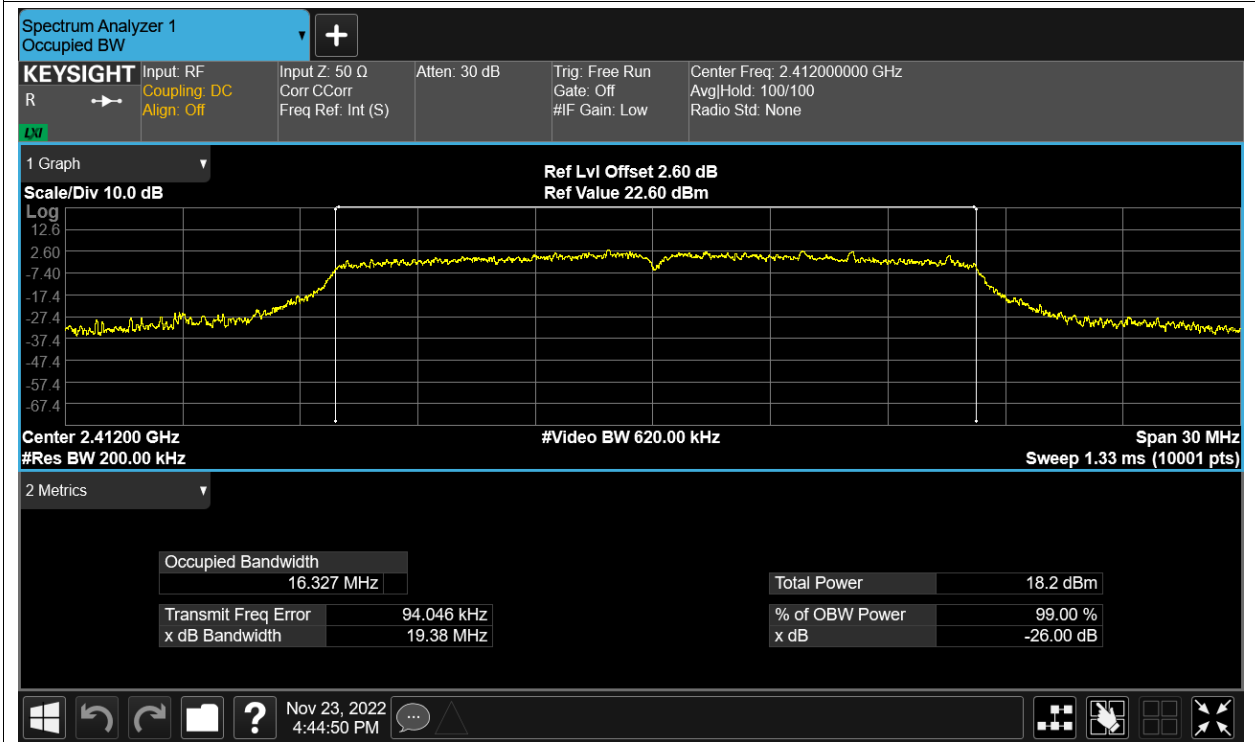
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.439
NVNT	b	2437	Ant1	14.394
NVNT	b	2462	Ant1	14.304
NVNT	g	2412	Ant1	16.327
NVNT	g	2437	Ant1	16.335
NVNT	g	2462	Ant1	16.345
NVNT	n20	2412	Ant1	17.433
NVNT	n20	2437	Ant1	17.413
NVNT	n20	2462	Ant1	17.408
NVNT	n40	2422	Ant1	35.724
NVNT	n40	2437	Ant1	35.824
NVNT	n40	2452	Ant1	35.796



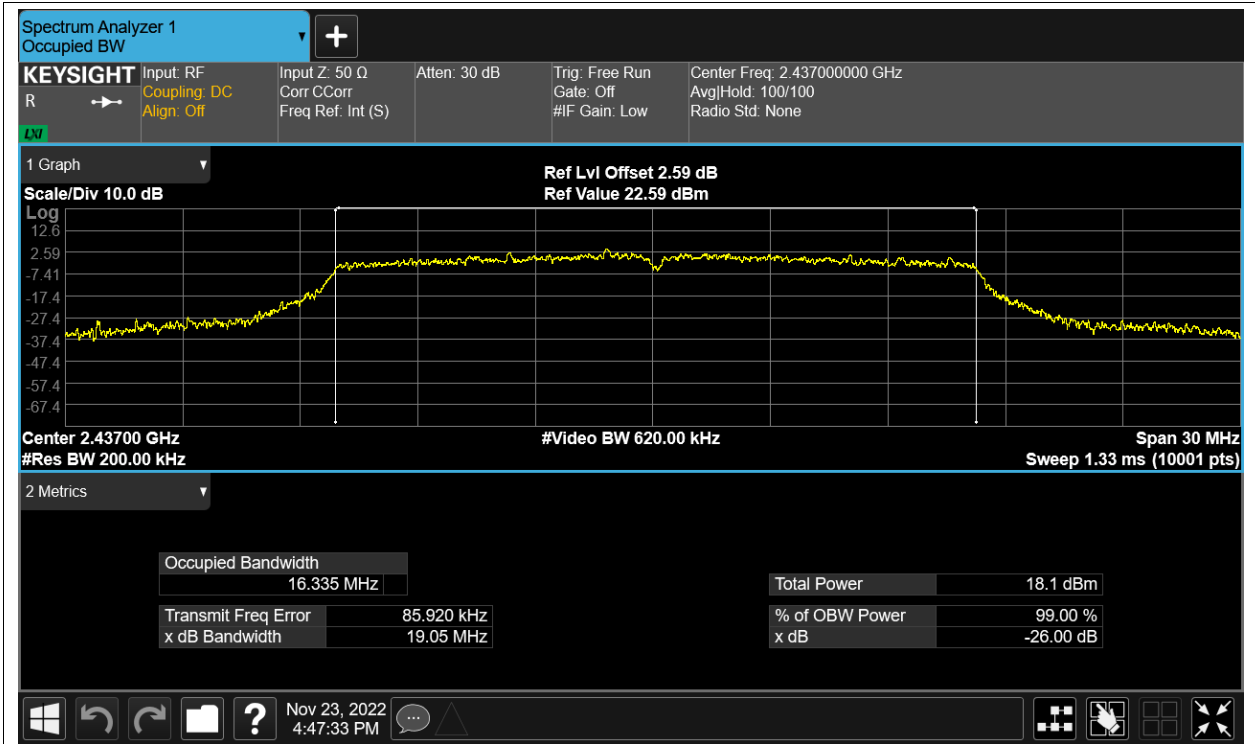




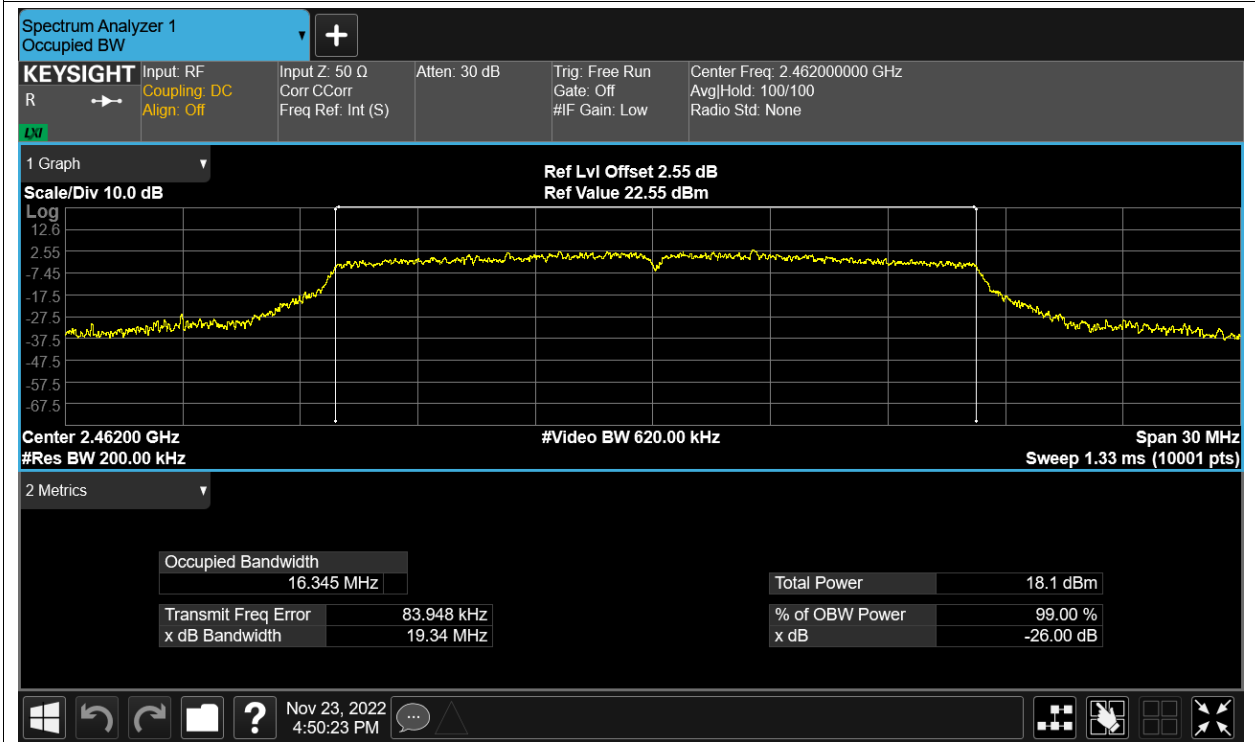
OBW NVNT g 2412MHz Ant1



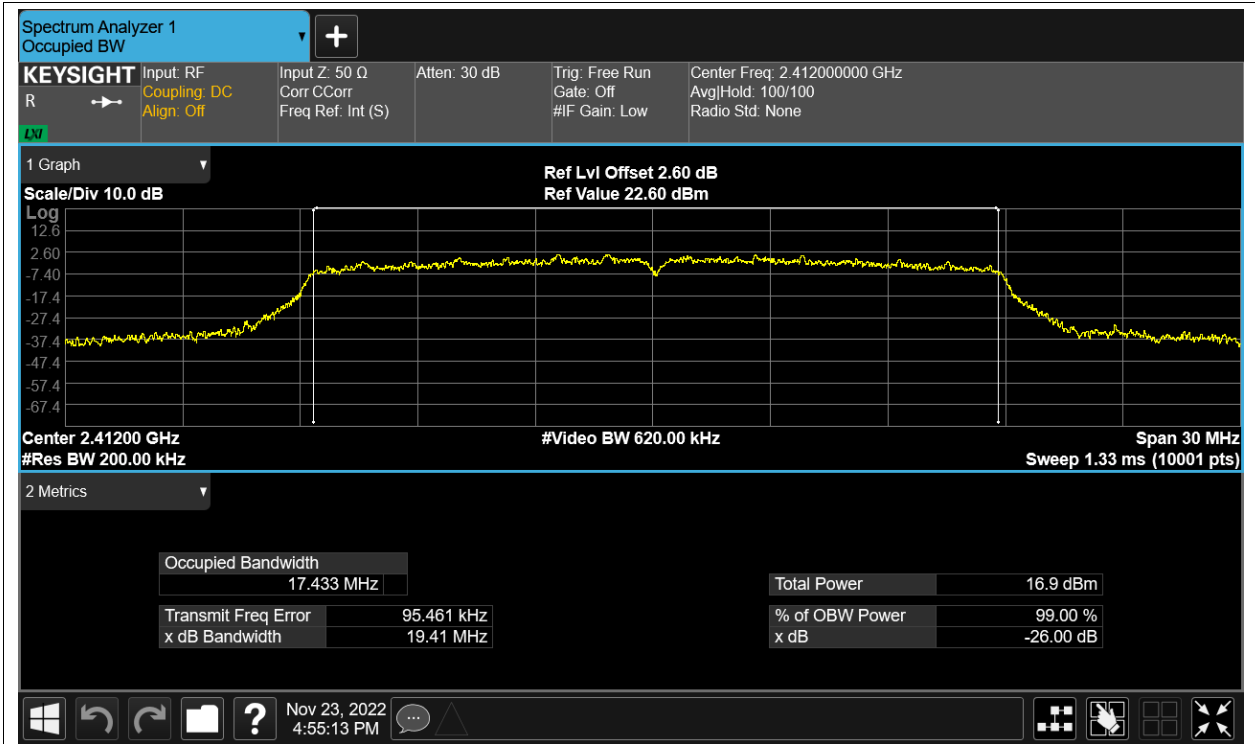
OBW NVNT g 2437MHz Ant1



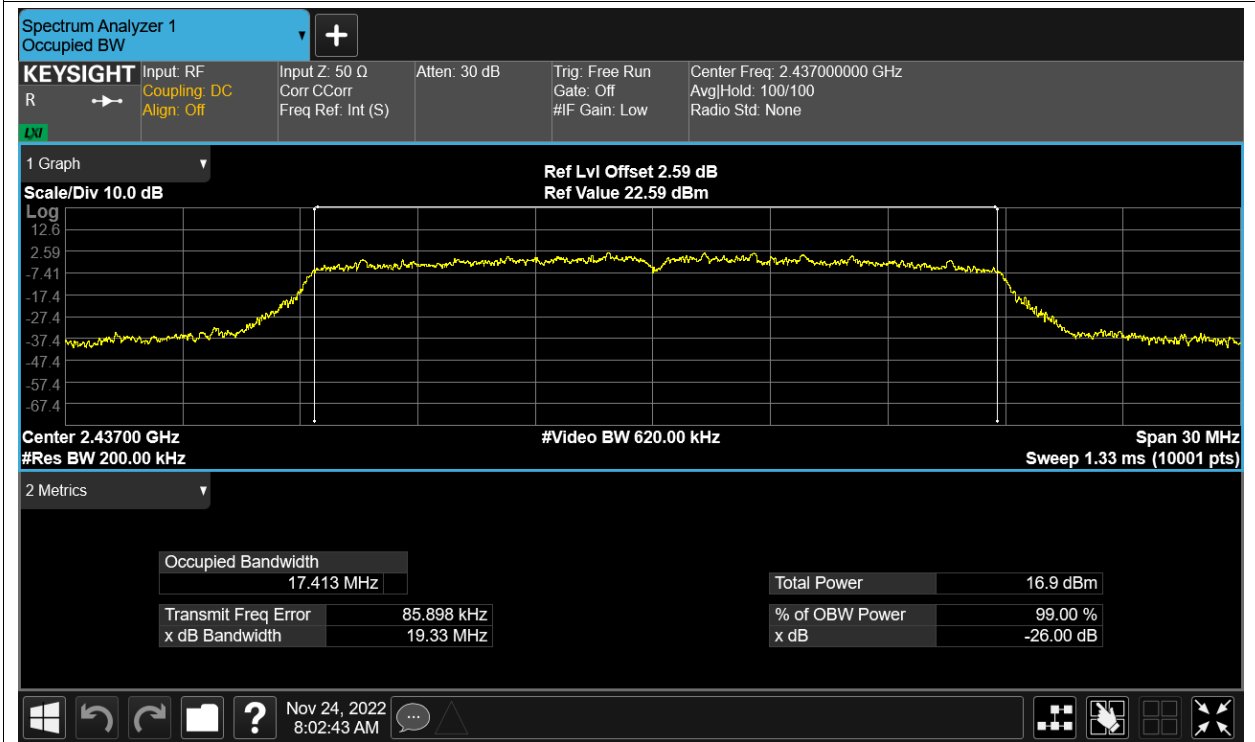
OBW NVNT g 2462MHz Ant1



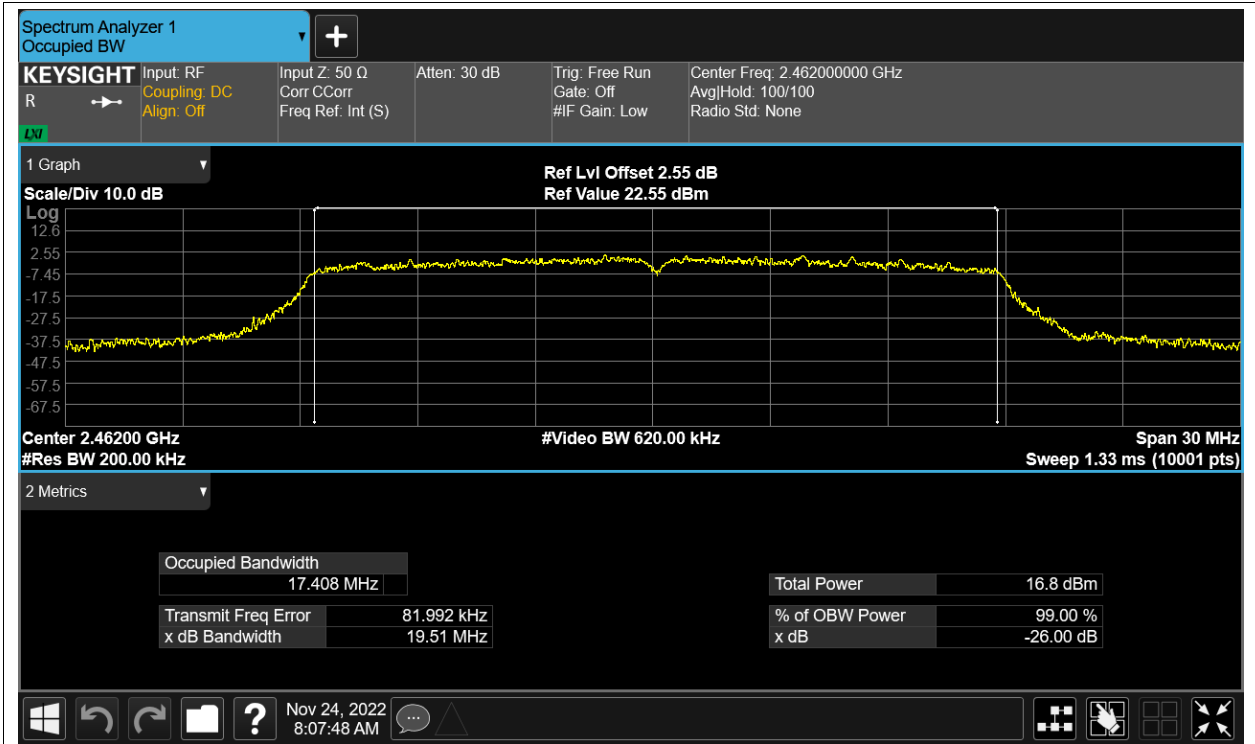
OBW NVNT n20 2412MHz Ant1



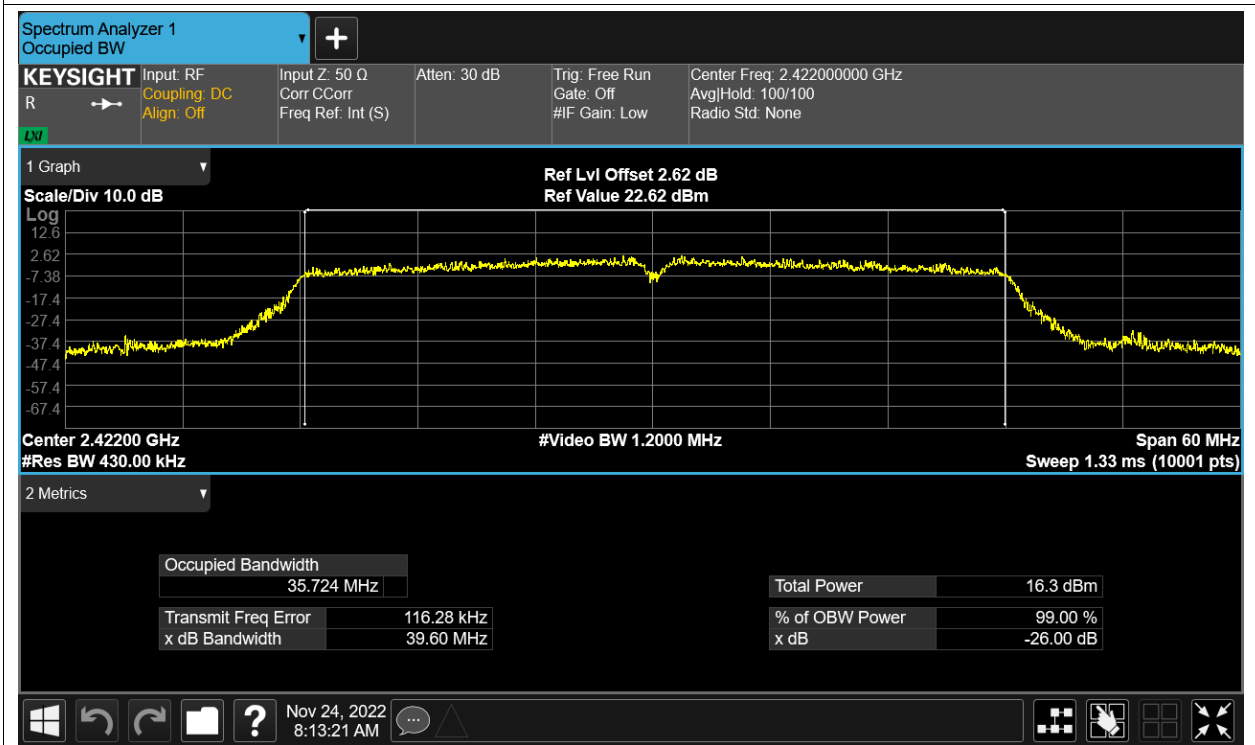
OBW NVNT n20 2437MHz Ant1



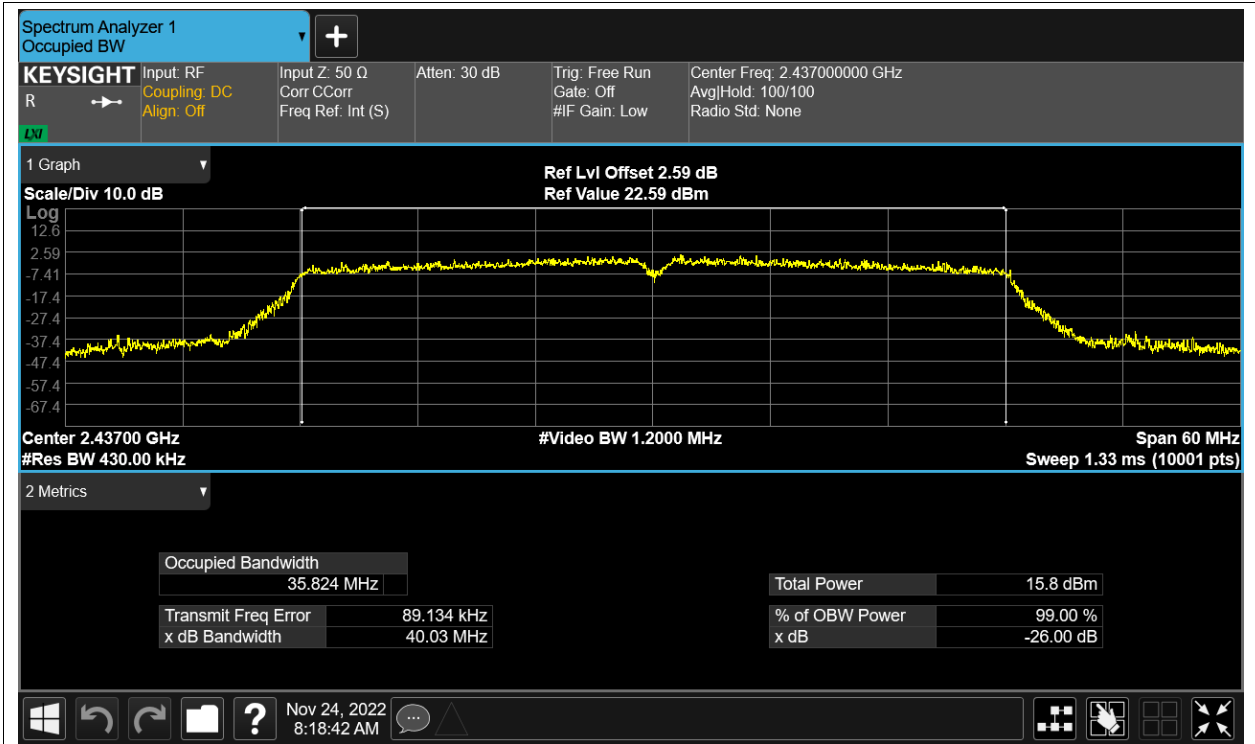
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

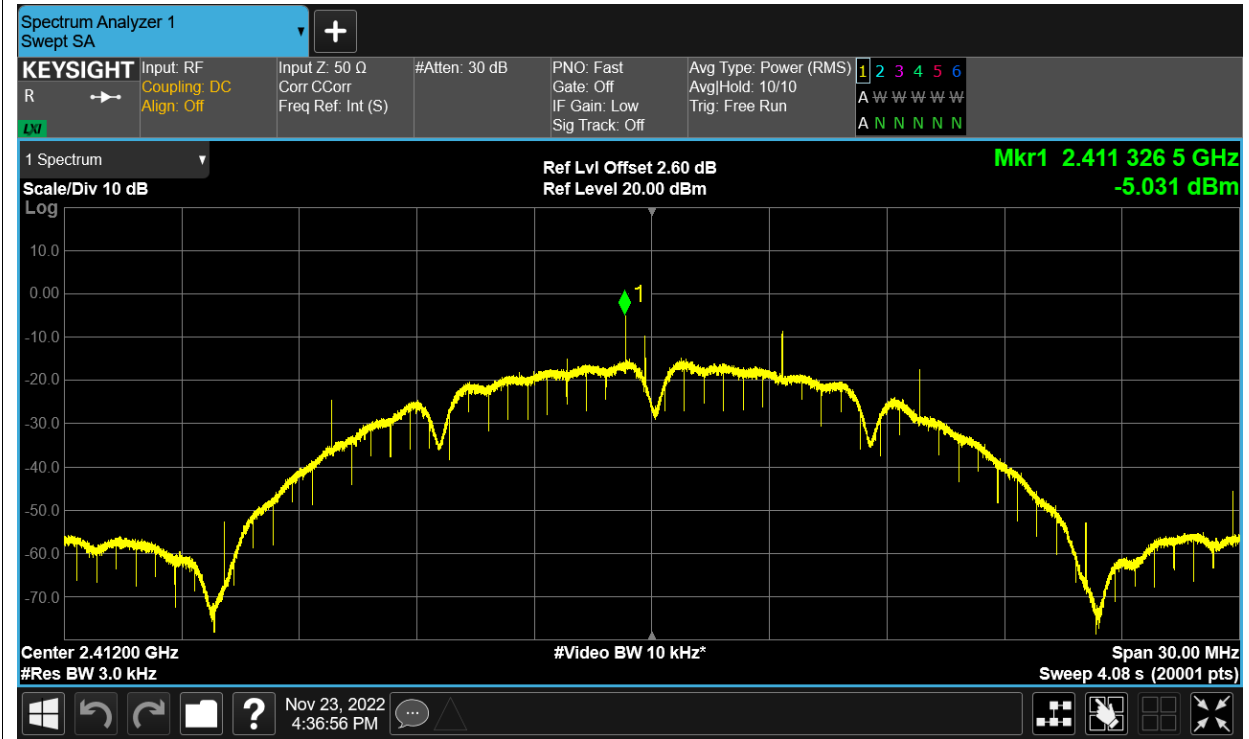


## Maximum Power Spectral Density Level

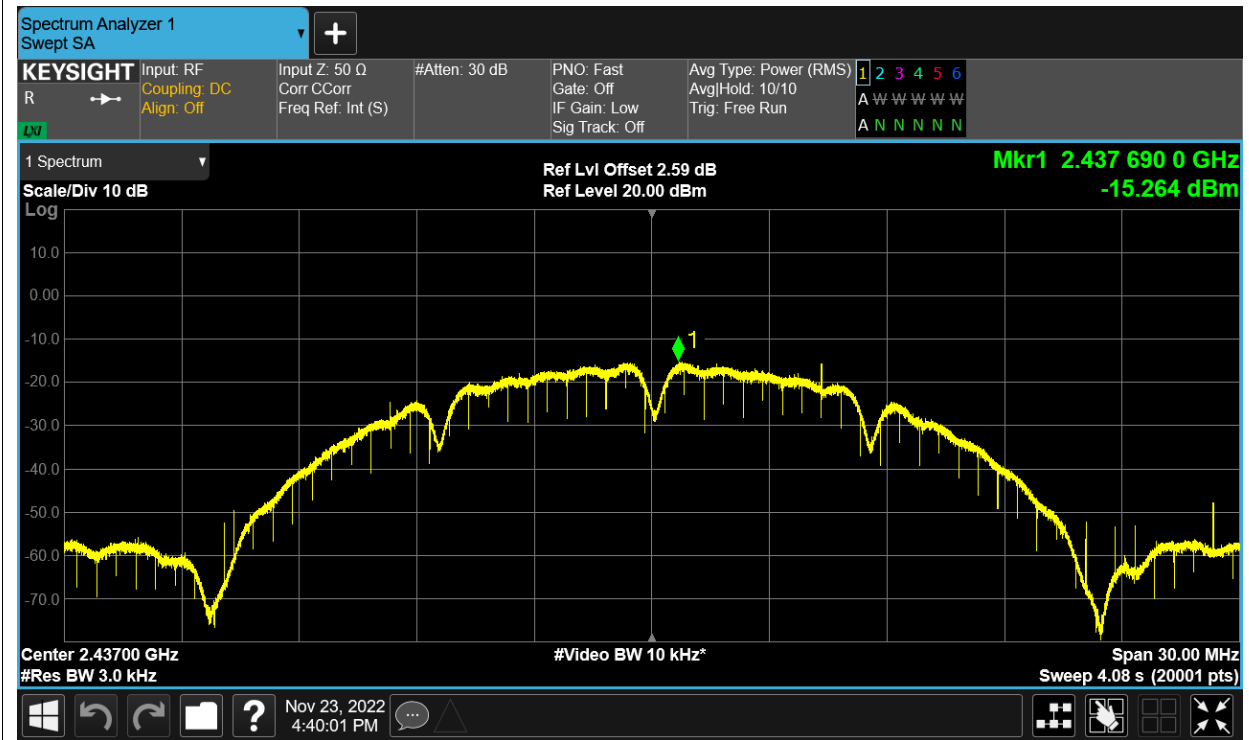
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-5.031	8	Pass
NVNT	b	2437	Ant1	-15.264	8	Pass
NVNT	b	2462	Ant1	-8.062	8	Pass
NVNT	g	2412	Ant1	-17.921	8	Pass
NVNT	g	2437	Ant1	-18.097	8	Pass
NVNT	g	2462	Ant1	-18.725	8	Pass
NVNT	n20	2412	Ant1	-18.786	8	Pass
NVNT	n20	2437	Ant1	-18.28	8	Pass
NVNT	n20	2462	Ant1	-18.773	8	Pass
NVNT	n40	2422	Ant1	-23.958	8	Pass
NVNT	n40	2437	Ant1	-23.193	8	Pass
NVNT	n40	2452	Ant1	-24.008	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1

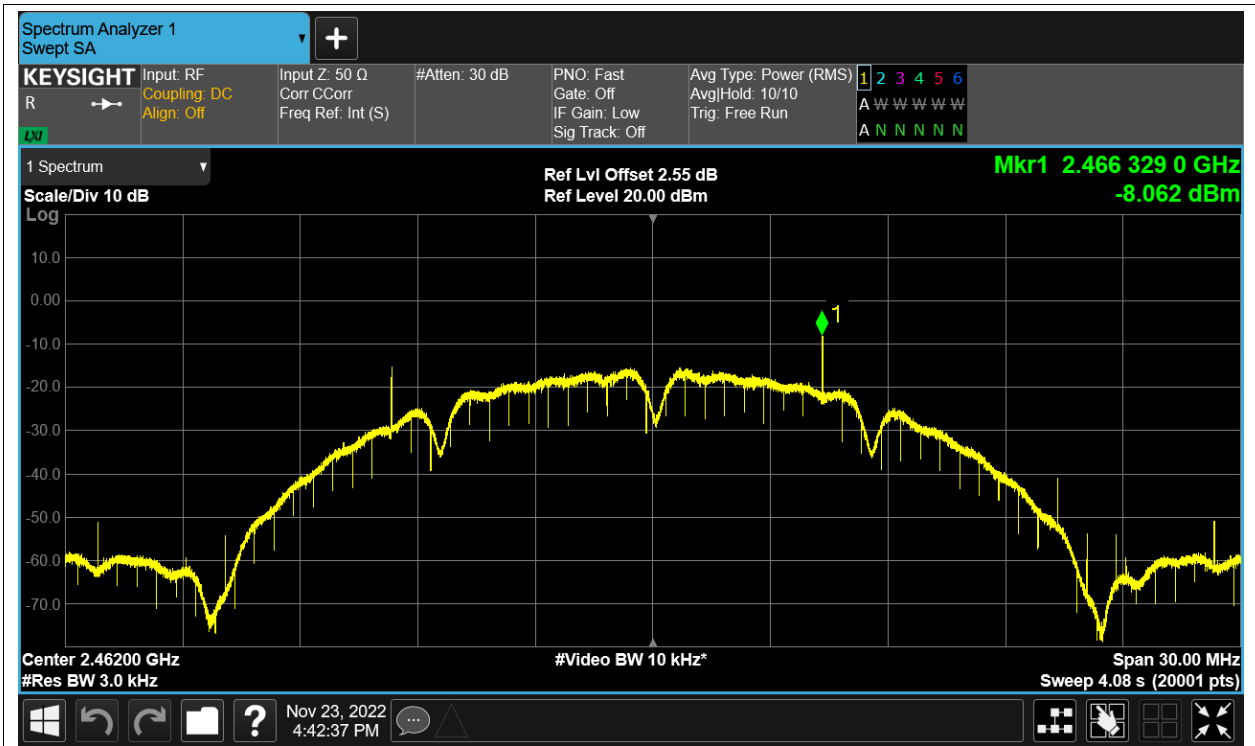


PSD NVNT b 2437MHz Ant1

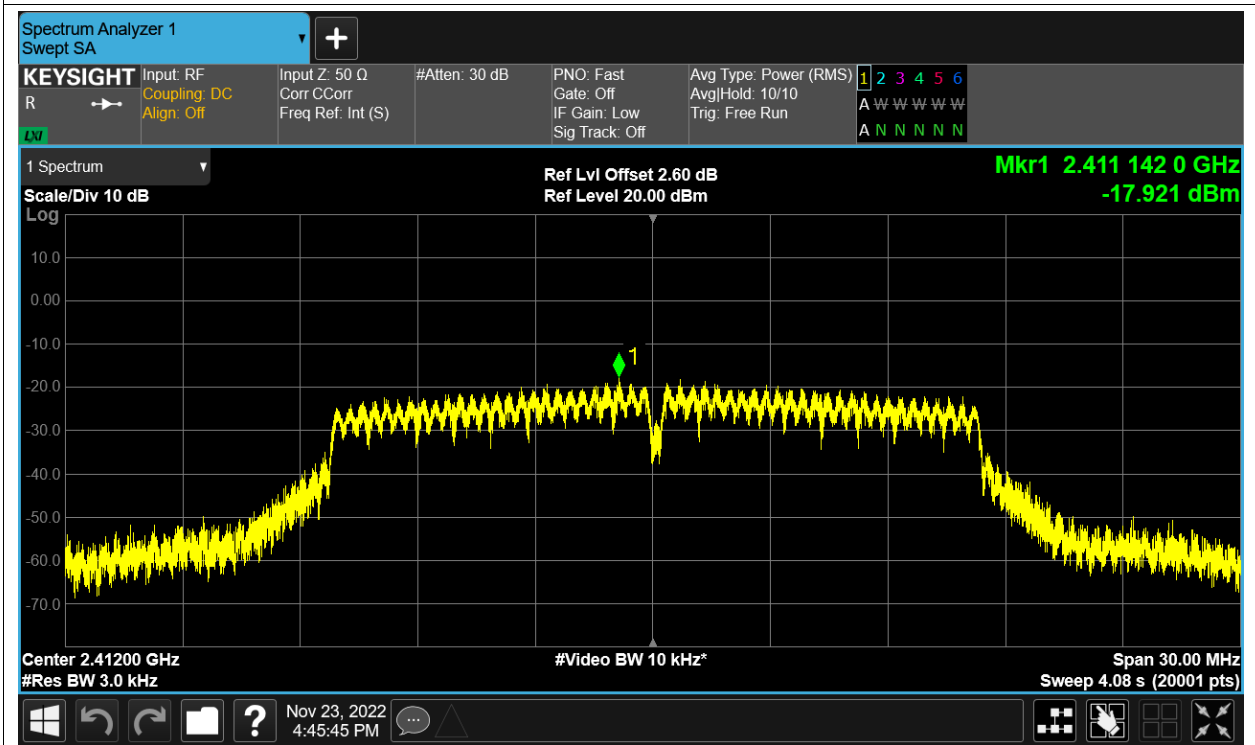


PSD NVNT b 2462MHz Ant1

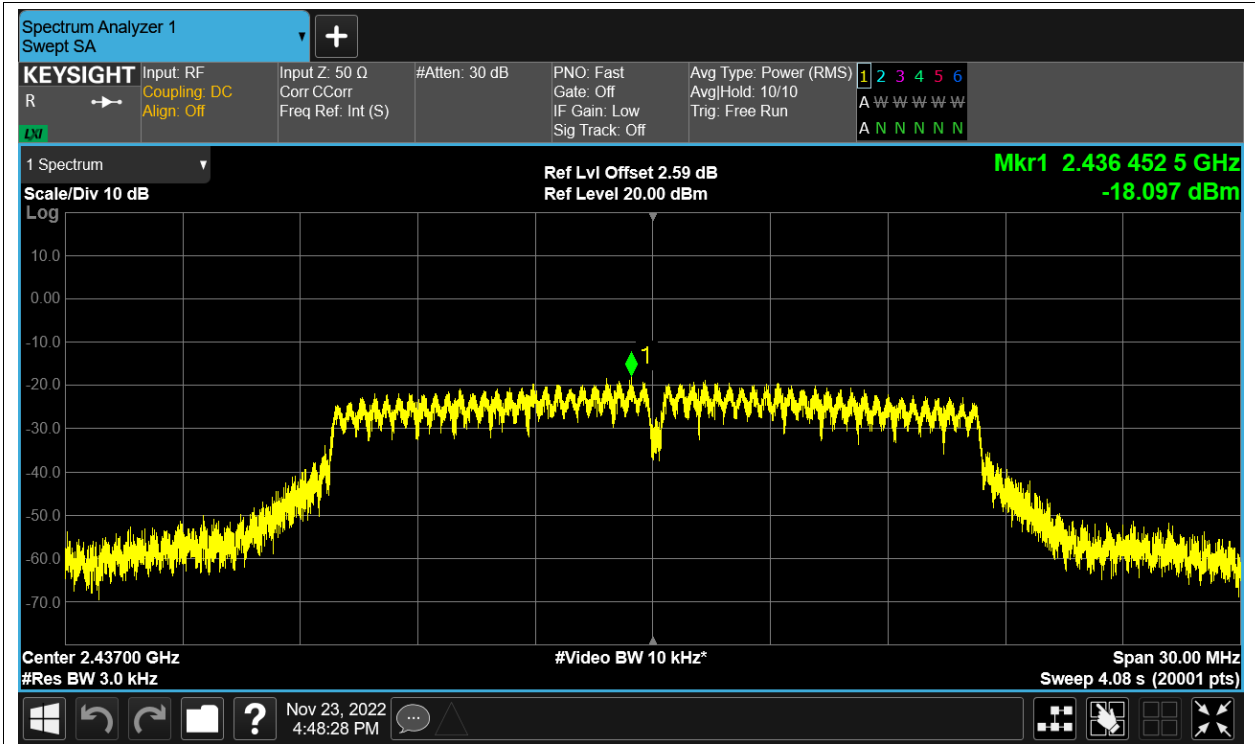




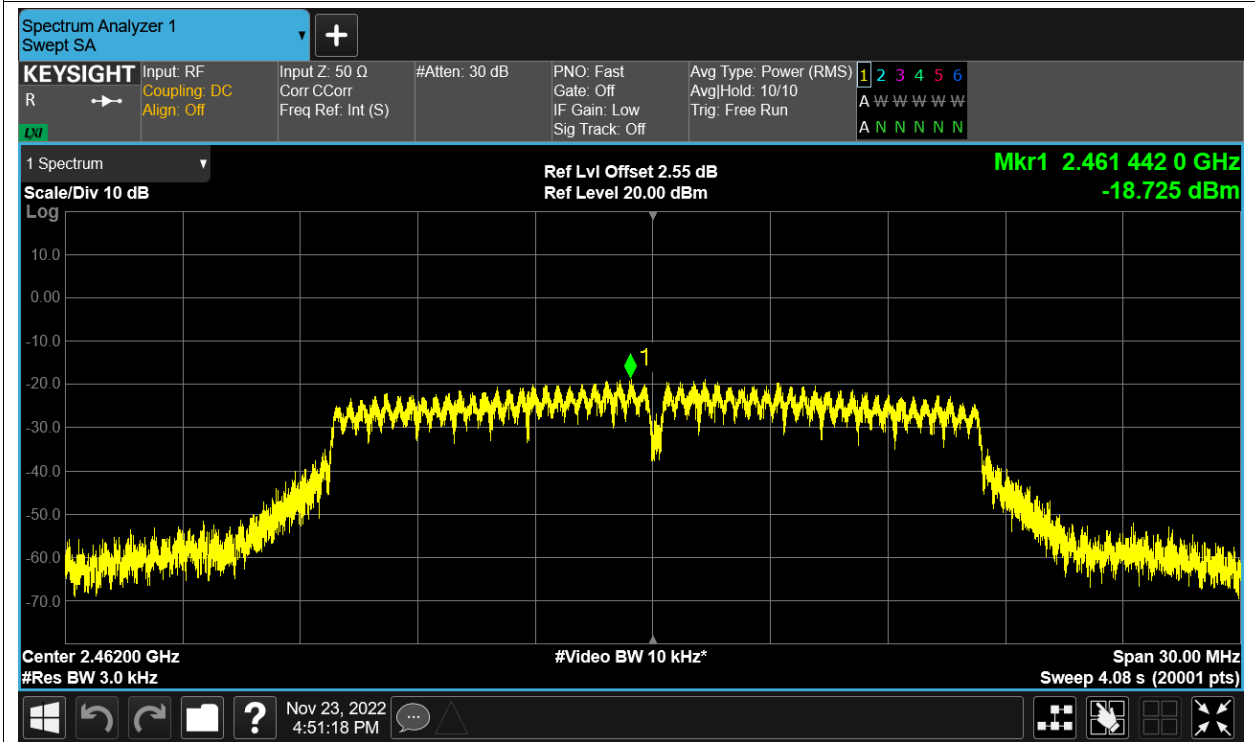
PSD NVNT g 2412MHz Ant1



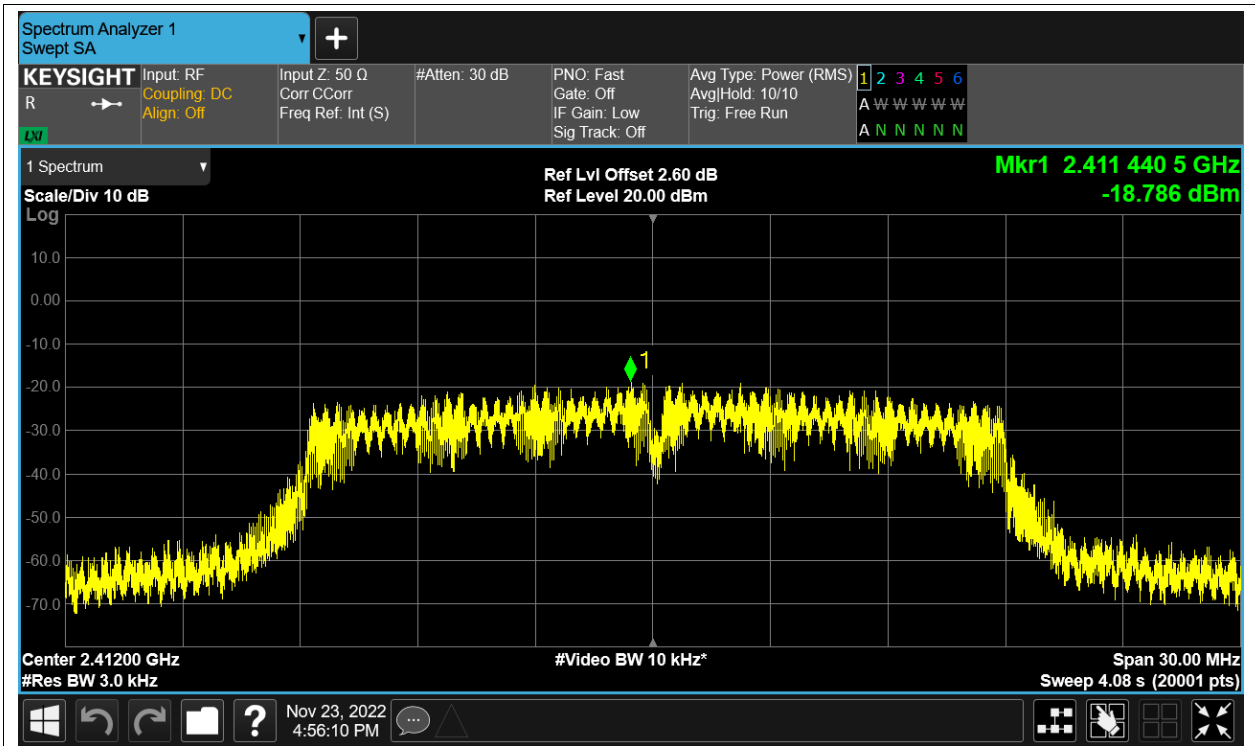
PSD NVNT g 2437MHz Ant1



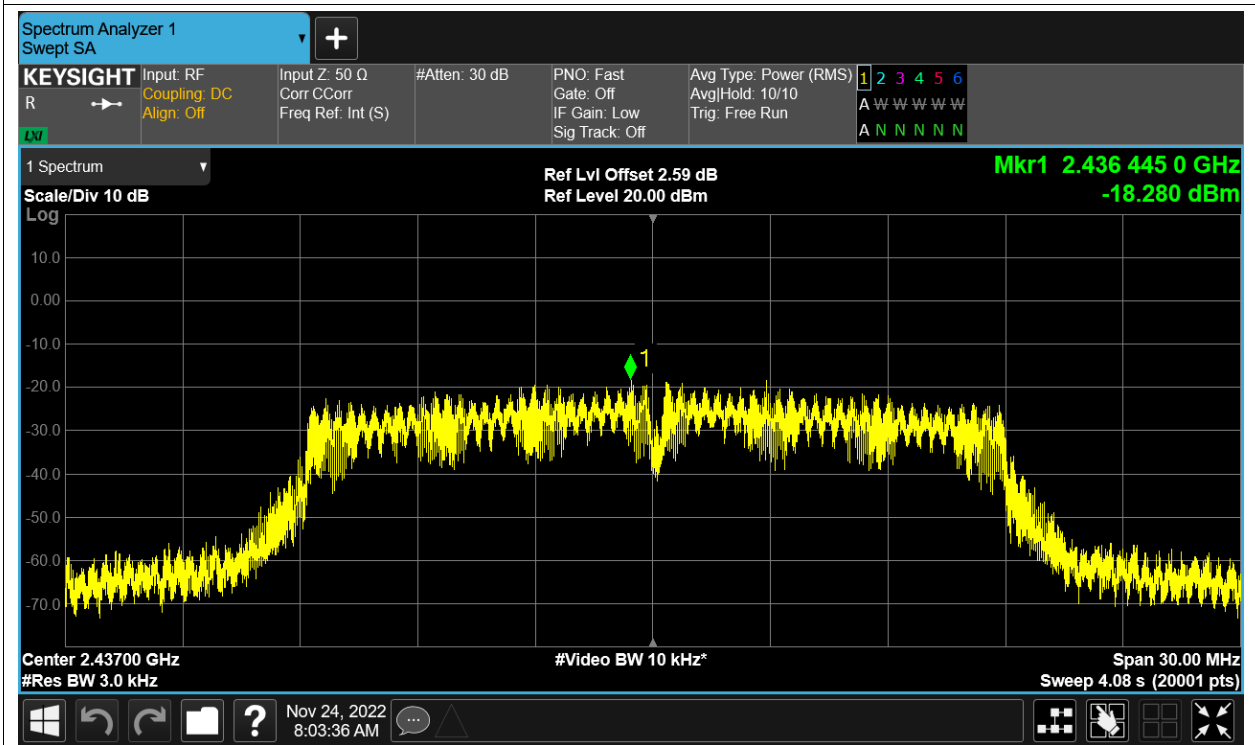
PSD NVNT g 2462MHz Ant1



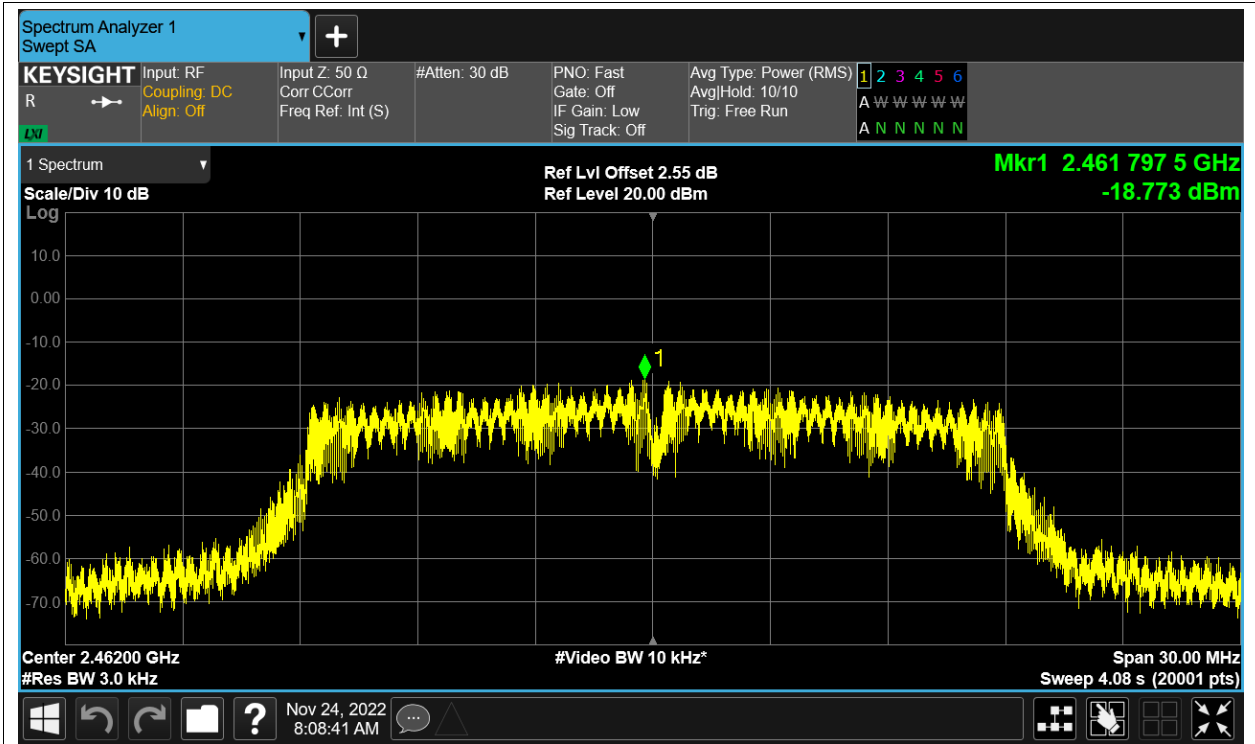
PSD NVNT n20 2412MHz Ant1



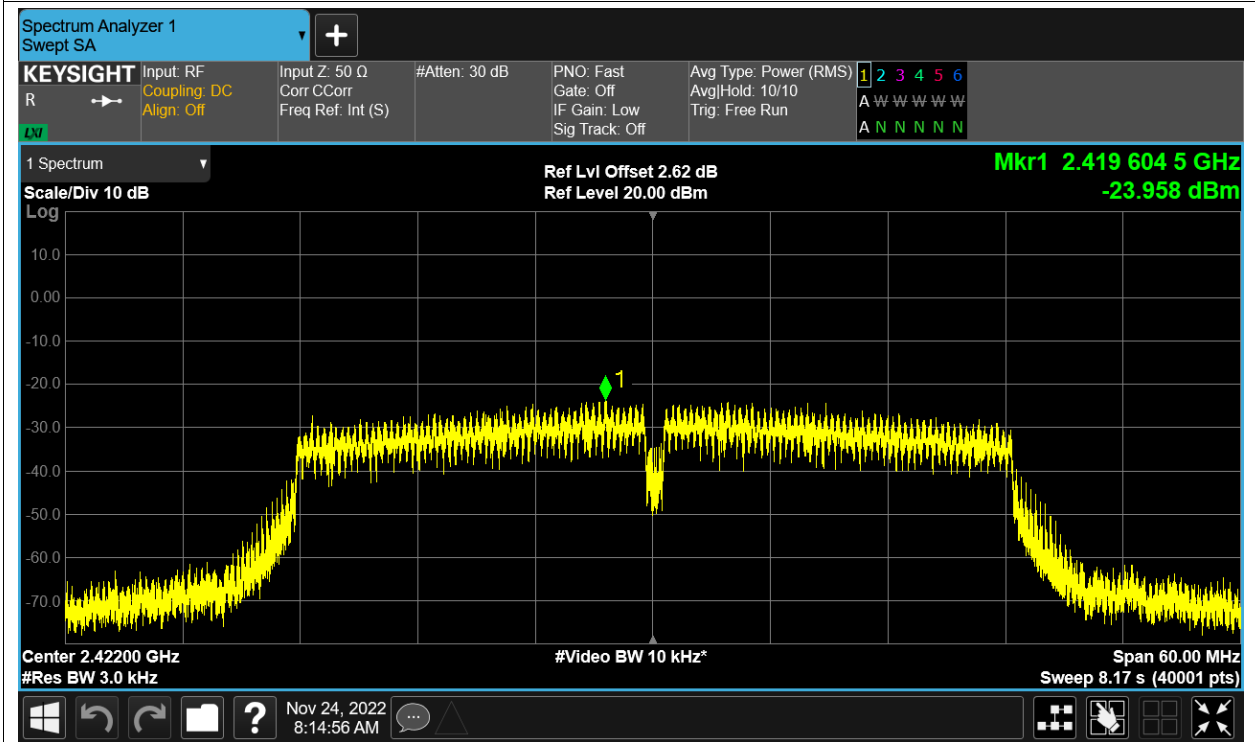
PSD NVNT n20 2437MHz Ant1



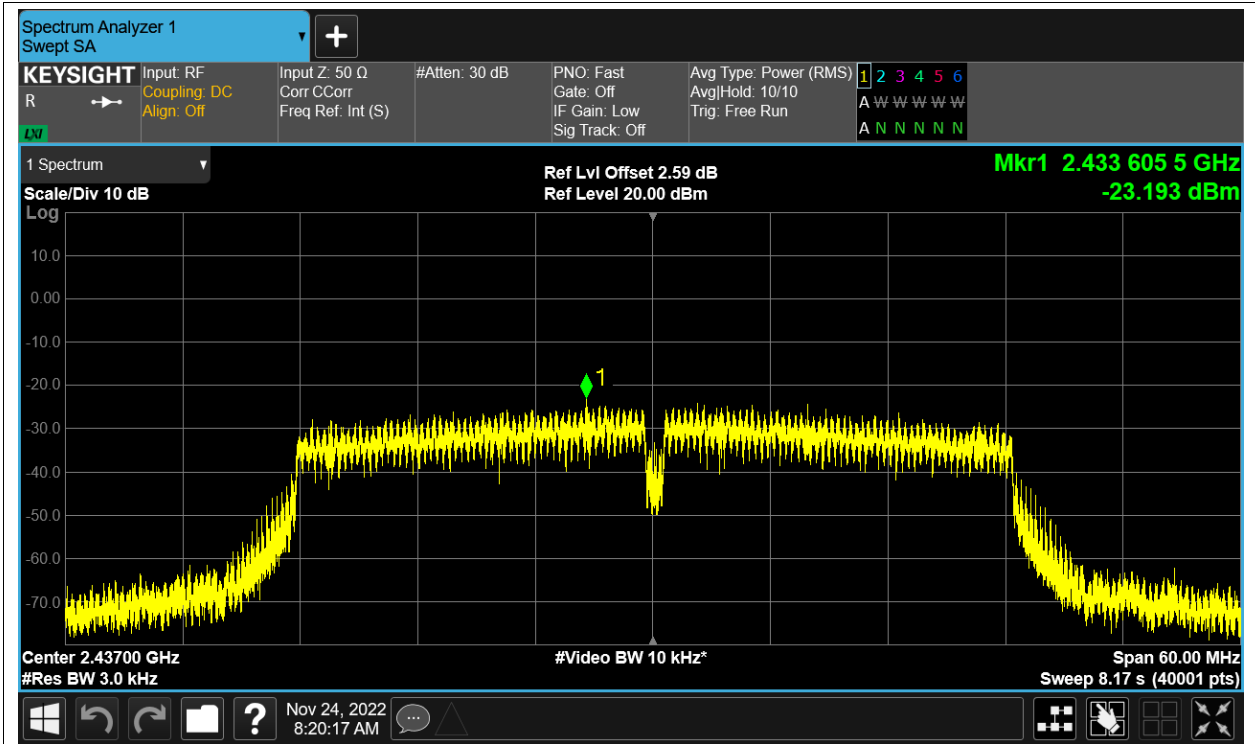
PSD NVNT n20 2462MHz Ant1



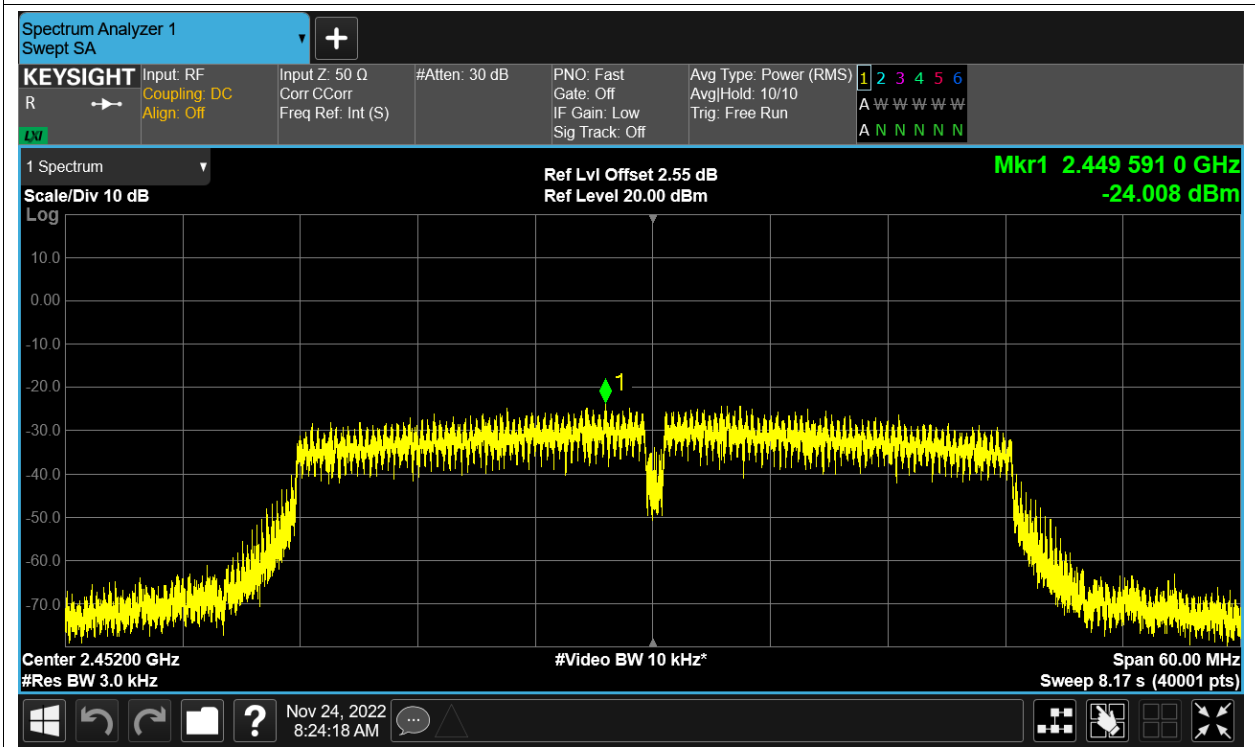
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

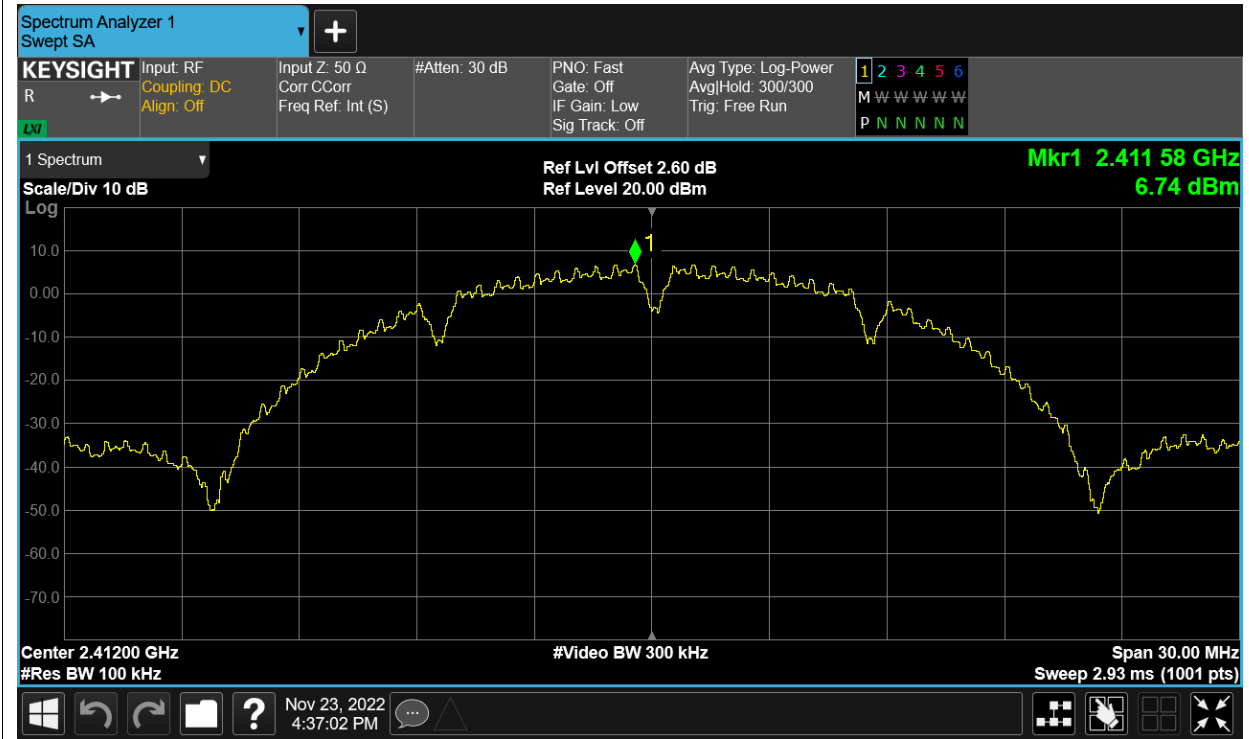


## Band Edge

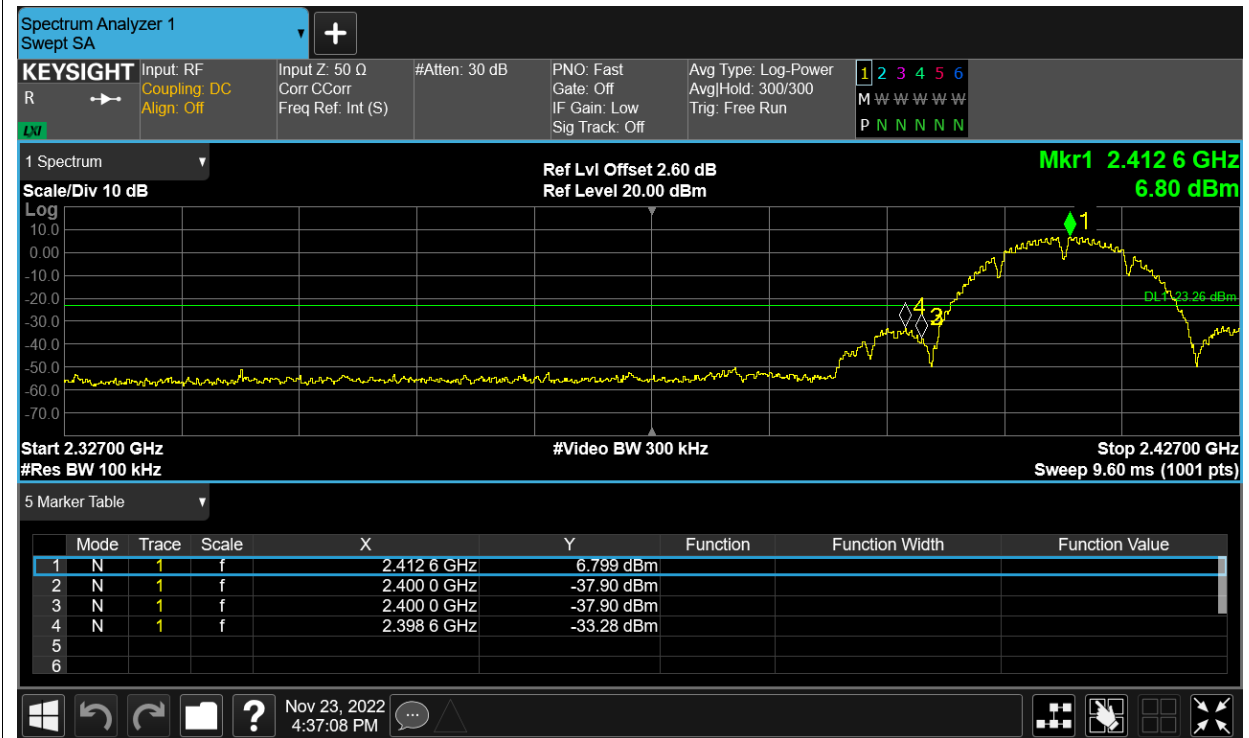
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-40.02	-30	Pass
NVNT	b	2462	Ant1	-56.82	-30	Pass
NVNT	g	2412	Ant1	-32.34	-30	Pass
NVNT	g	2462	Ant1	-51.42	-30	Pass
NVNT	n20	2412	Ant1	-37.75	-30	Pass
NVNT	n20	2462	Ant1	-49.74	-30	Pass
NVNT	n40	2422	Ant1	-38.92	-30	Pass
NVNT	n40	2452	Ant1	-41.67	-30	Pass

Test Graphs

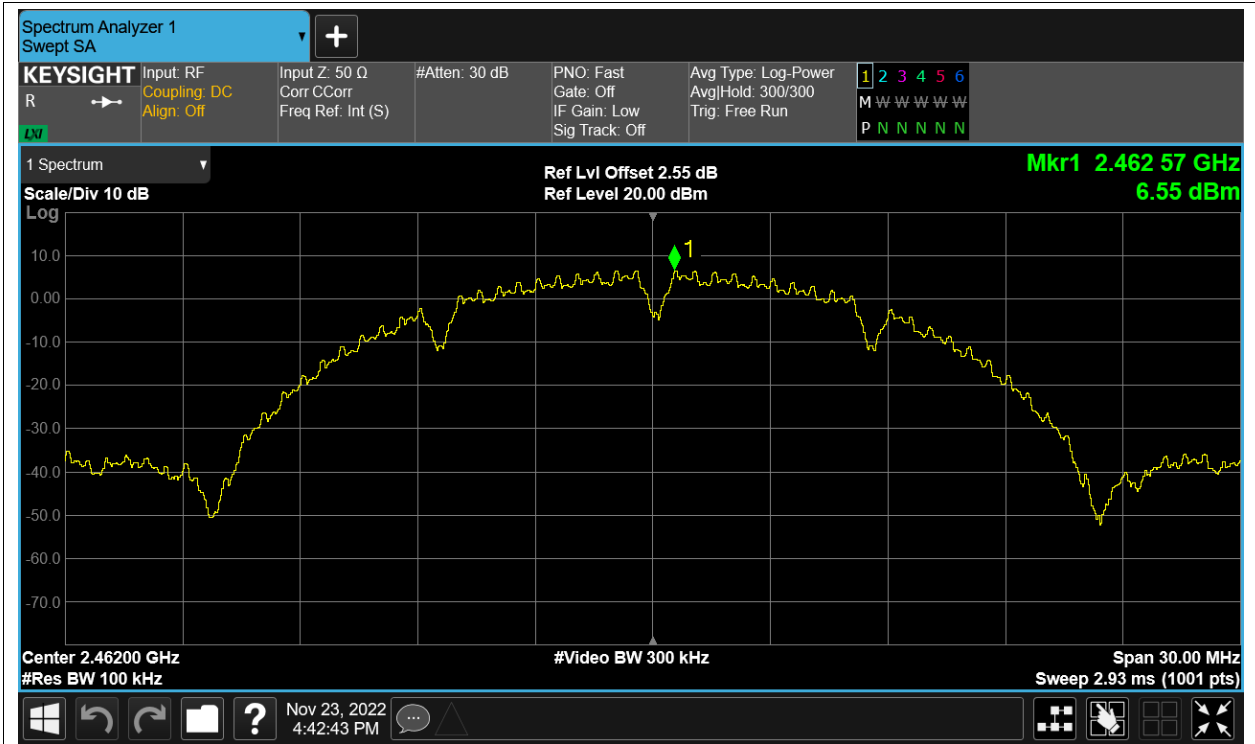
Band Edge NVNT b 2412MHz Ant1 Ref



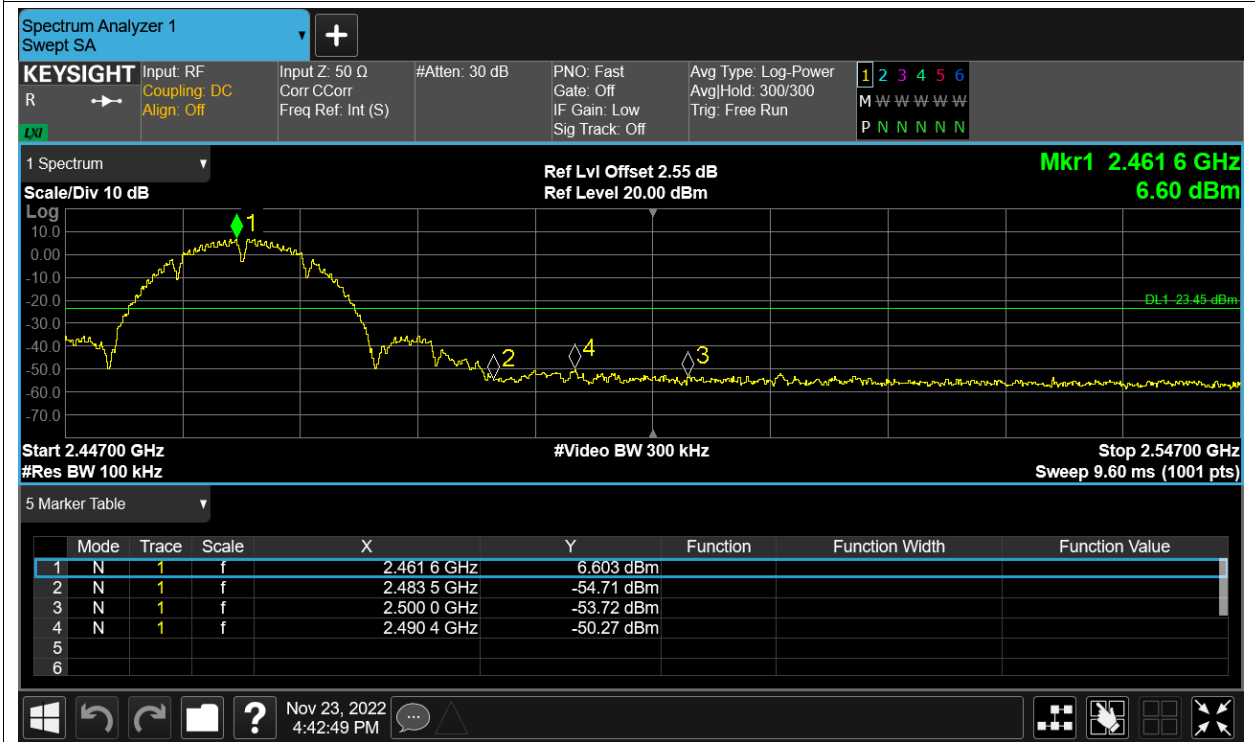
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref

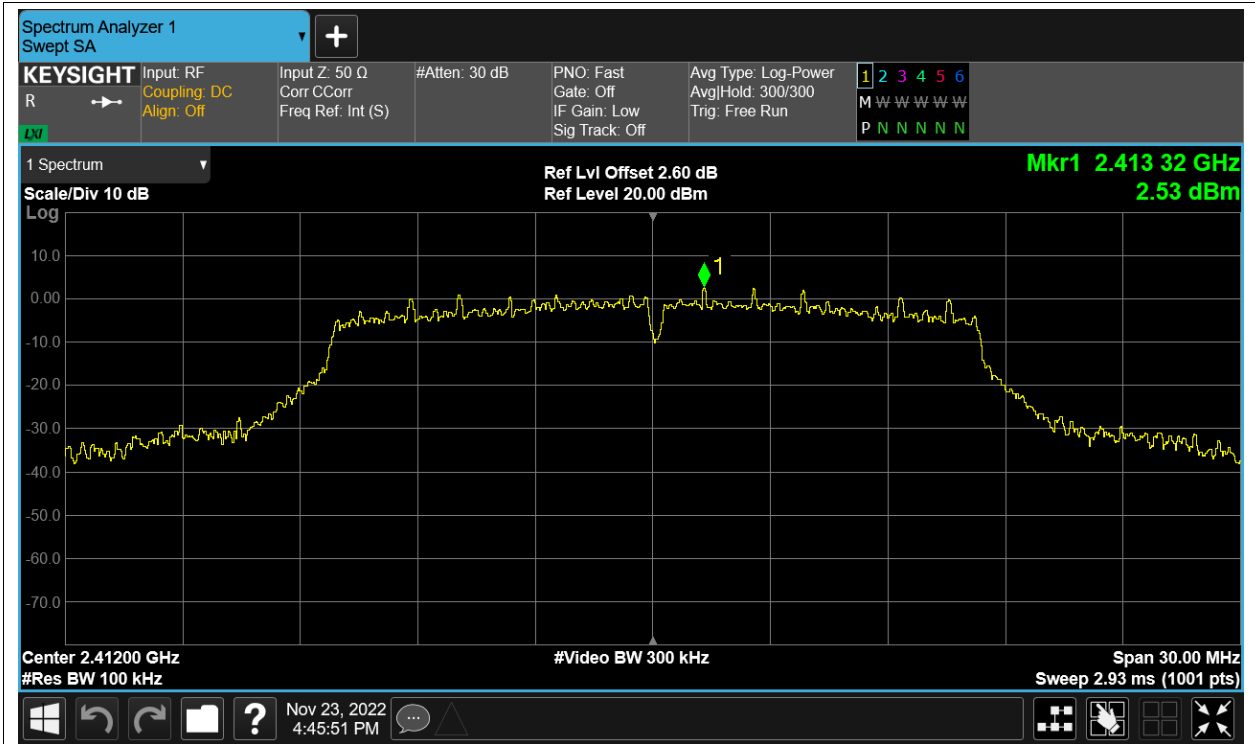


Band Edge NVNT b 2462MHz Ant1 Emission

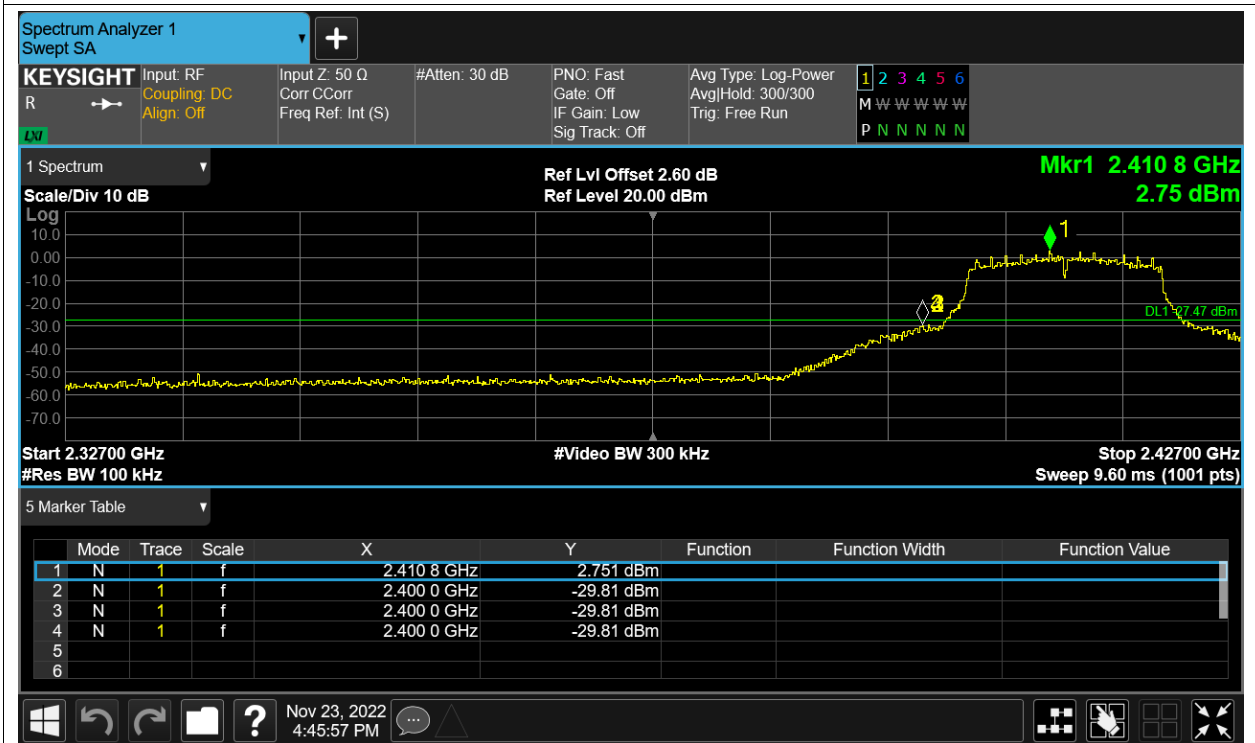


Band Edge NVNT g 2412MHz Ant1 Ref

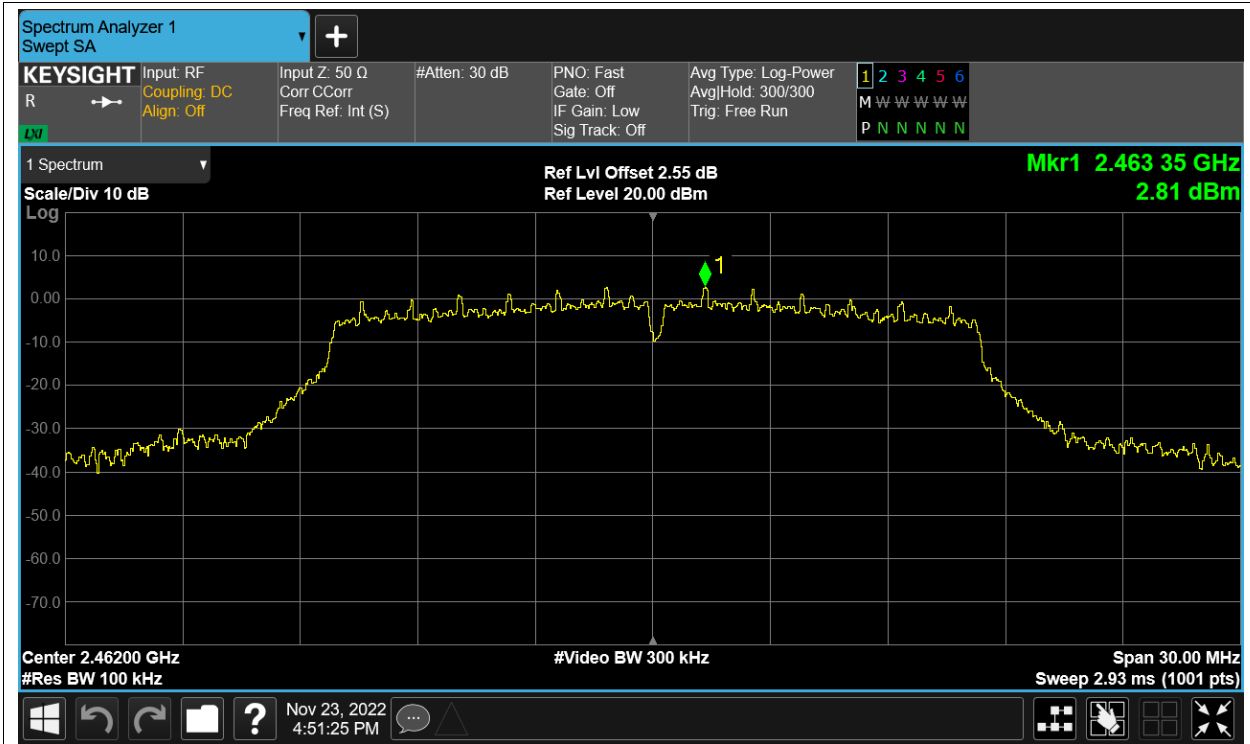




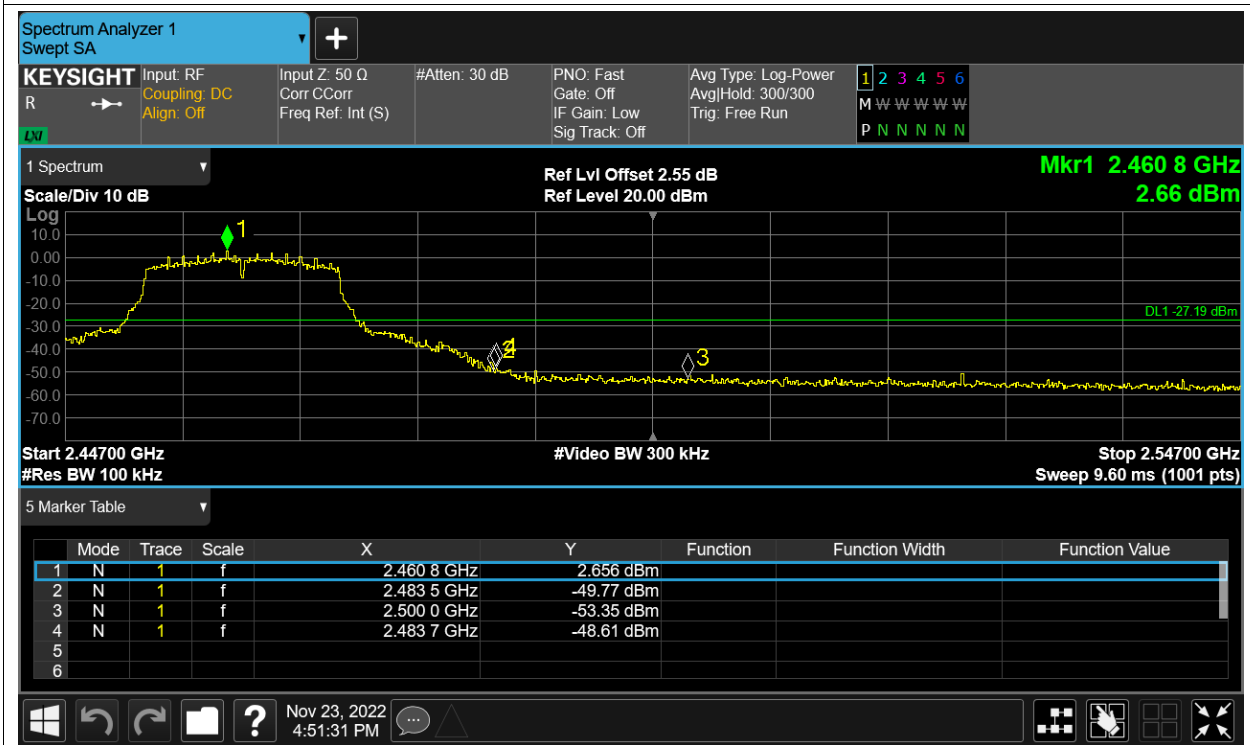
Band Edge NVNT g 2412MHz Ant1 Emission



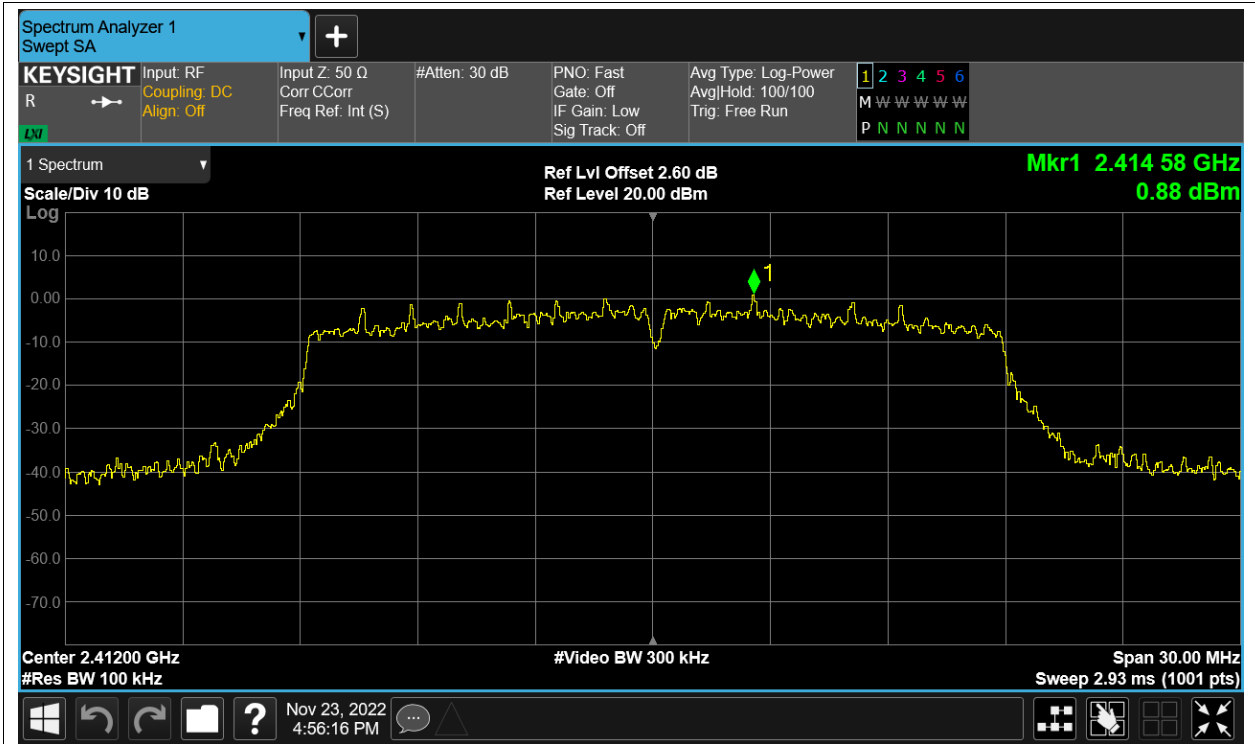
Band Edge NVNT g 2462MHz Ant1 Ref



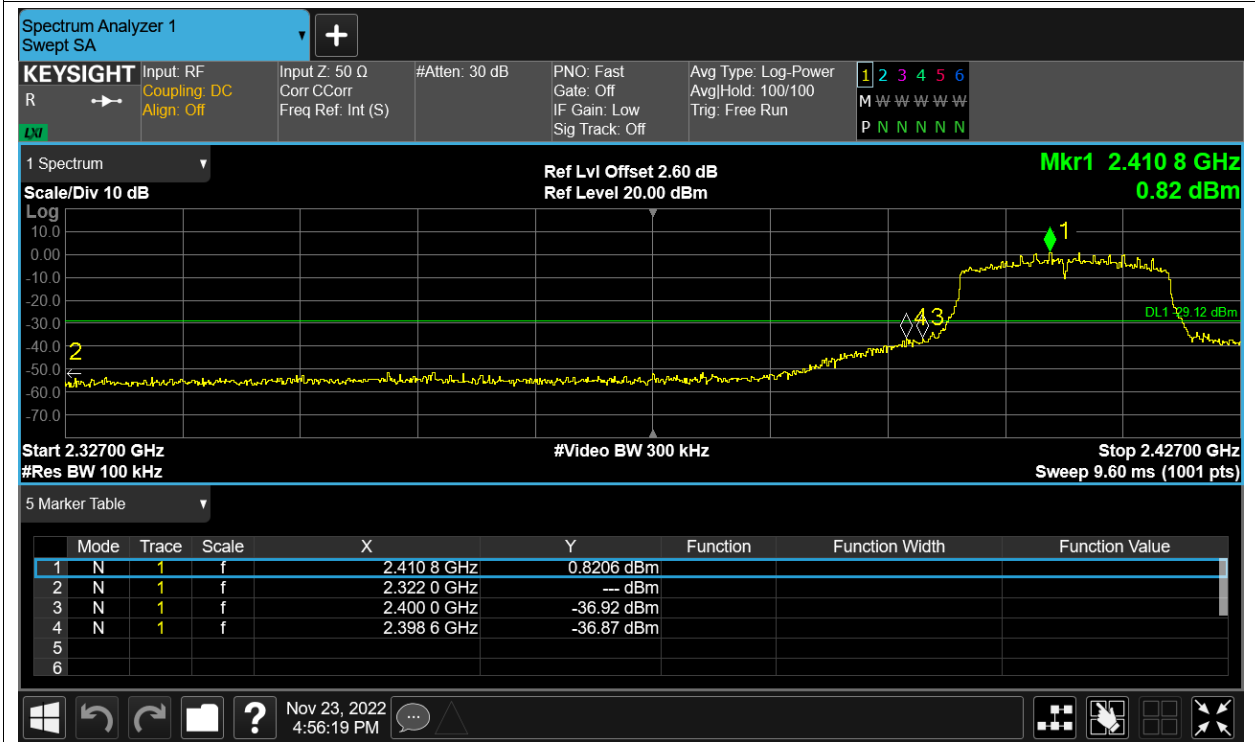
Band Edge NVNT g 2462MHz Ant1 Emission



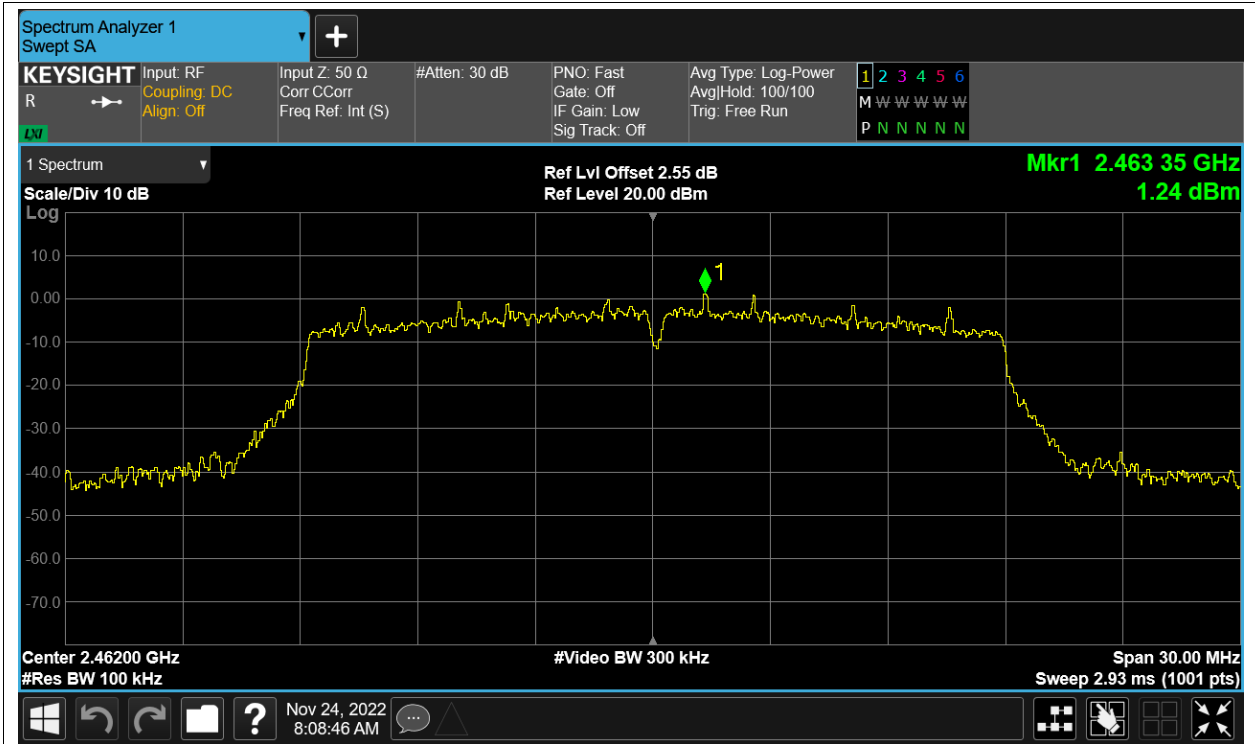
Band Edge NVNT n20 2412MHz Ant1 Ref



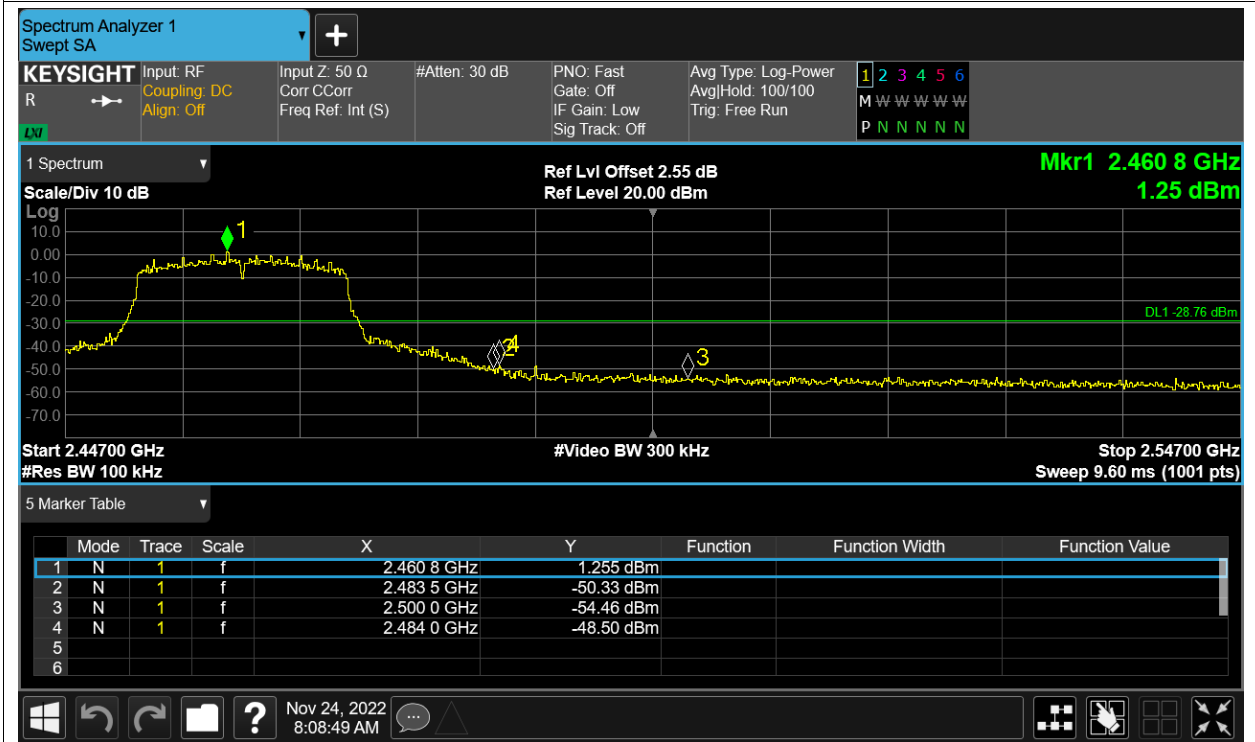
Band Edge NVNT n20 2412MHz Ant1 Emission



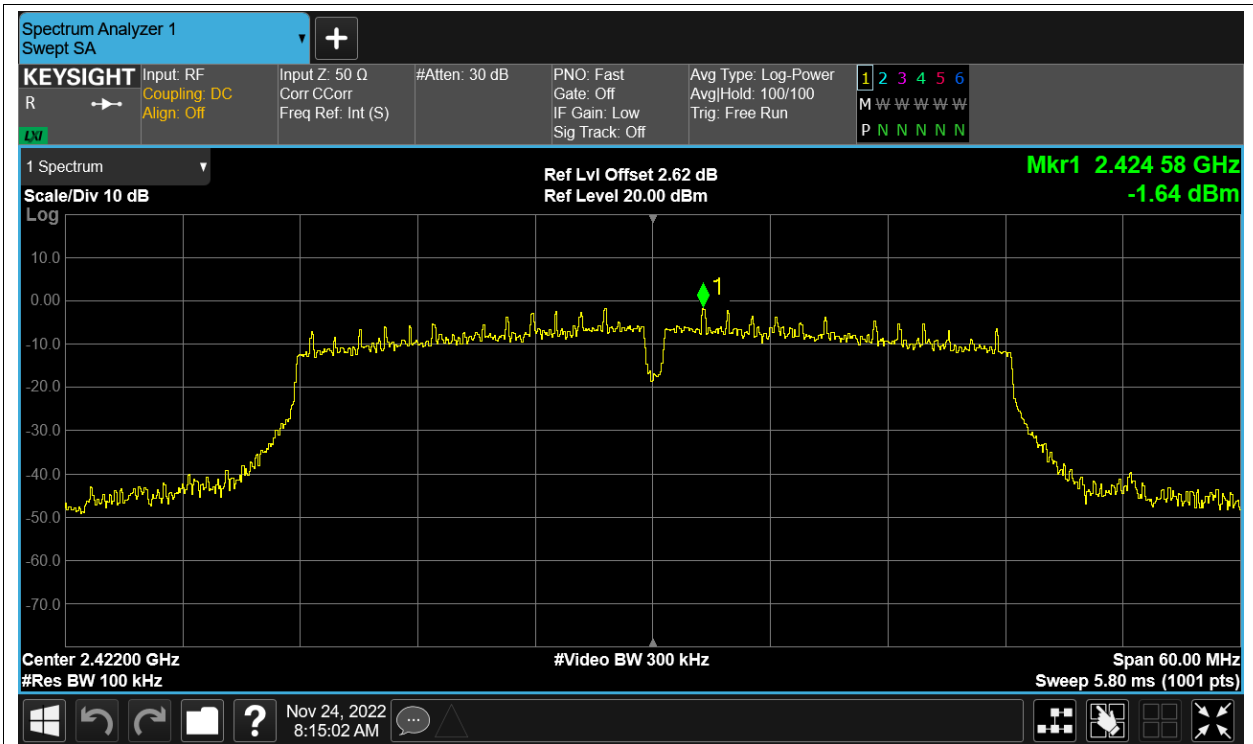
Band Edge NVNT n20 2462MHz Ant1 Ref



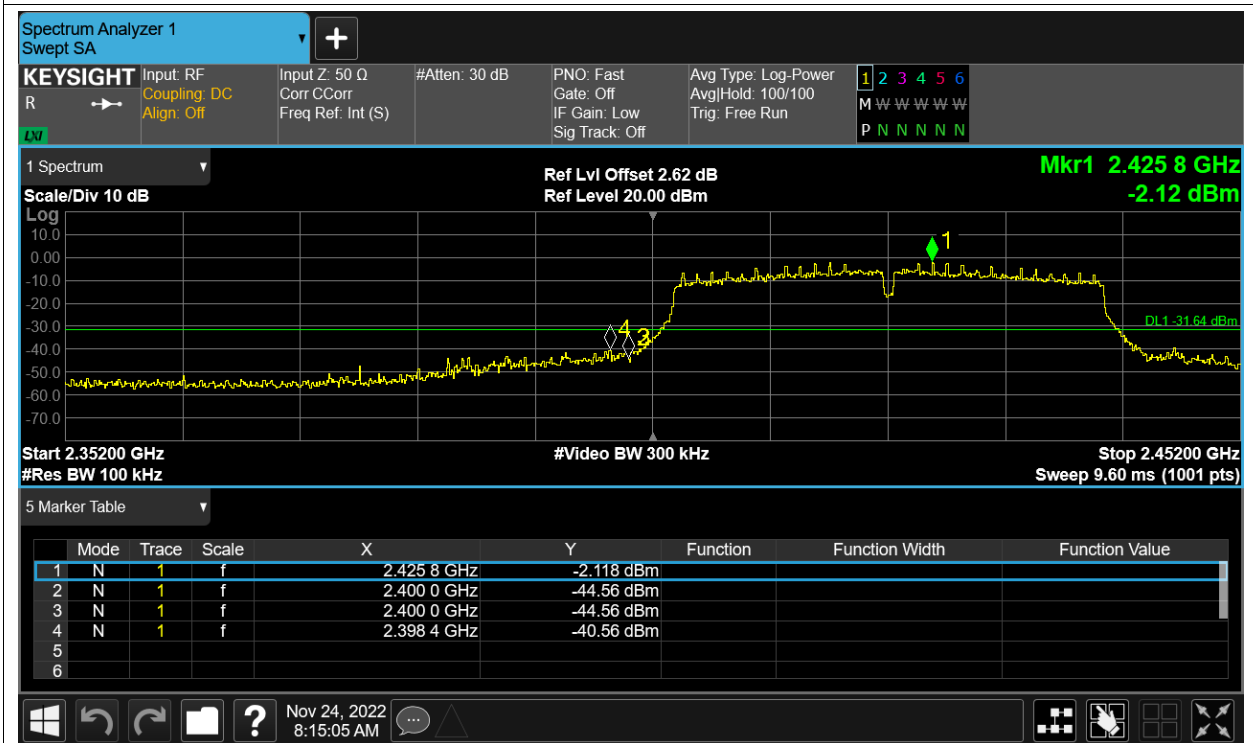
Band Edge NVNT n20 2462MHz Ant1 Emission



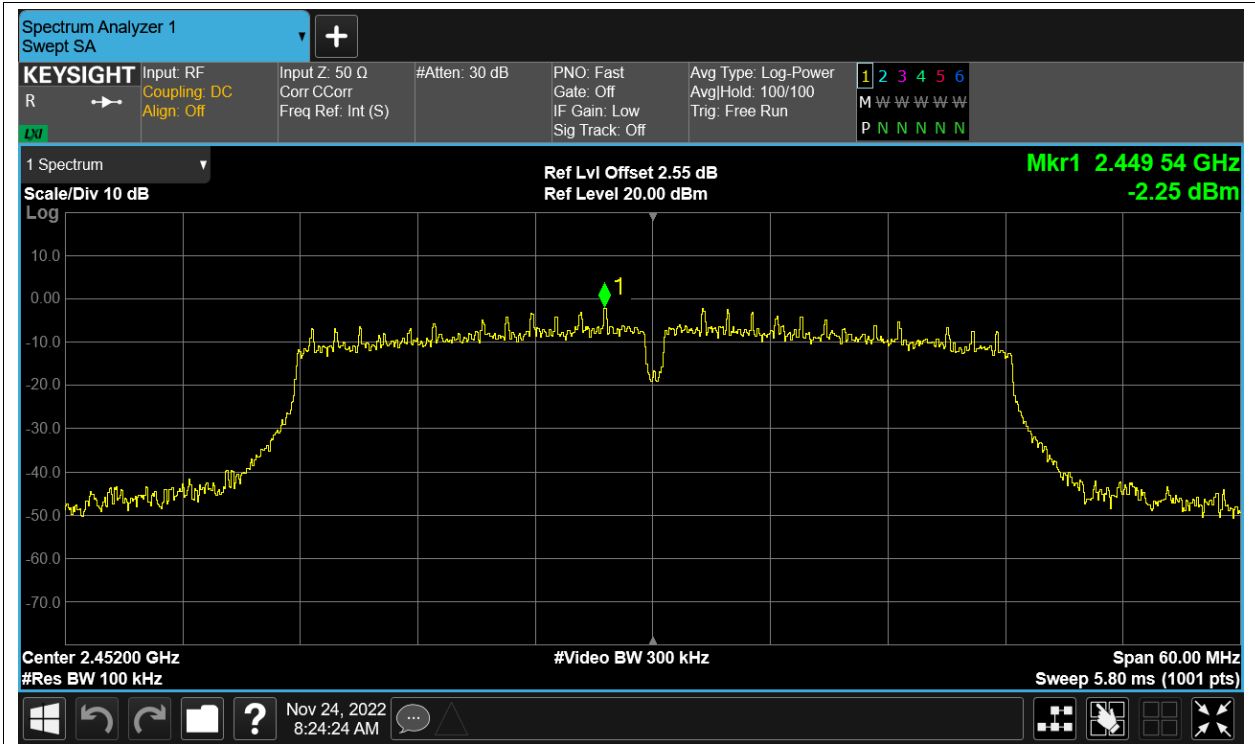
Band Edge NVNT n40 2422MHz Ant1 Ref



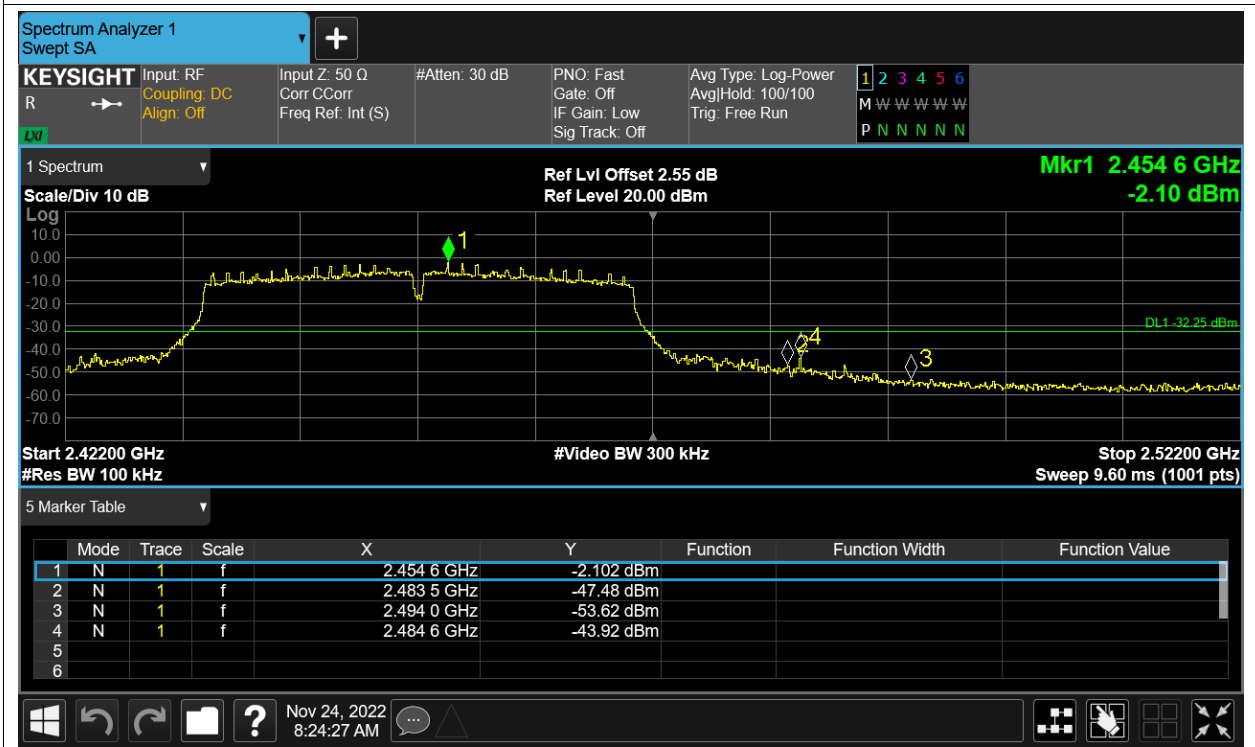
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

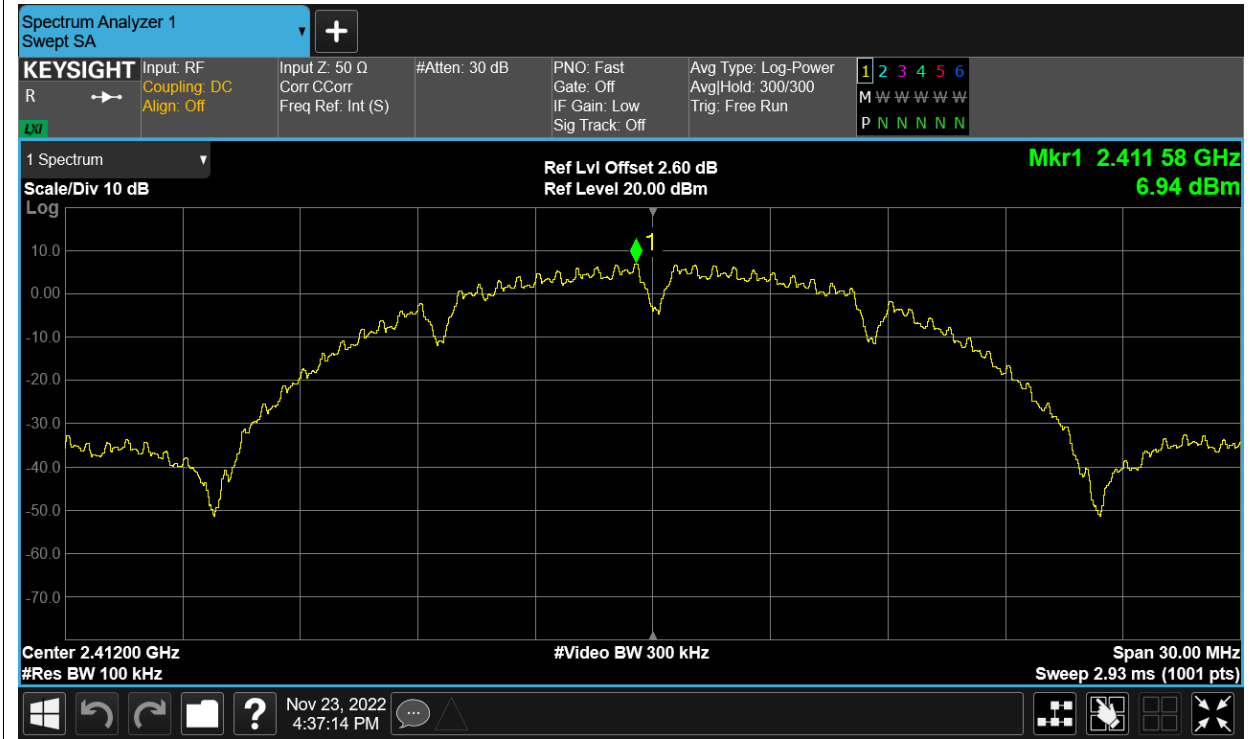


## Conducted RF Spurious Emission

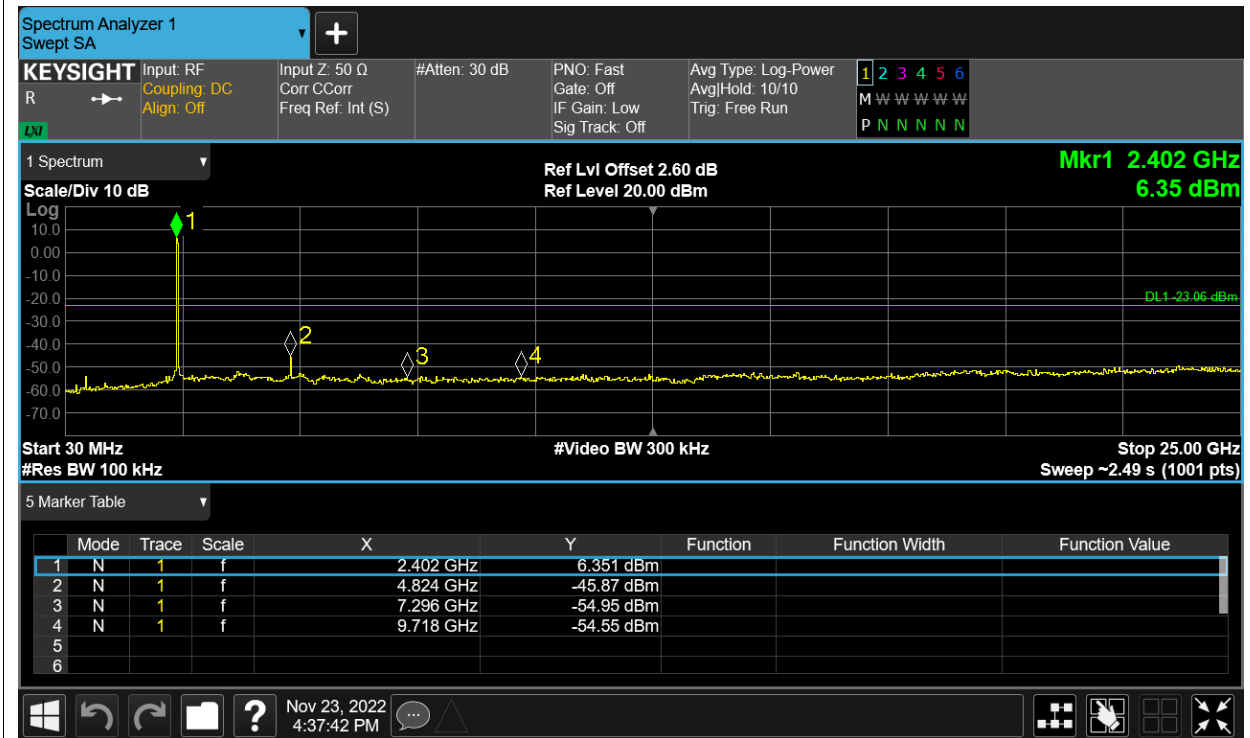
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.81	-30	Pass
NVNT	b	2437	Ant1	-54.31	-30	Pass
NVNT	b	2462	Ant1	-54.83	-30	Pass
NVNT	g	2412	Ant1	-52.34	-30	Pass
NVNT	g	2437	Ant1	-51.9	-30	Pass
NVNT	g	2462	Ant1	-51.76	-30	Pass
NVNT	n20	2412	Ant1	-50.81	-30	Pass
NVNT	n20	2437	Ant1	-48.78	-30	Pass
NVNT	n20	2462	Ant1	-52.64	-30	Pass
NVNT	n40	2422	Ant1	-47.51	-30	Pass
NVNT	n40	2437	Ant1	-47.05	-30	Pass
NVNT	n40	2452	Ant1	-47.31	-30	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref

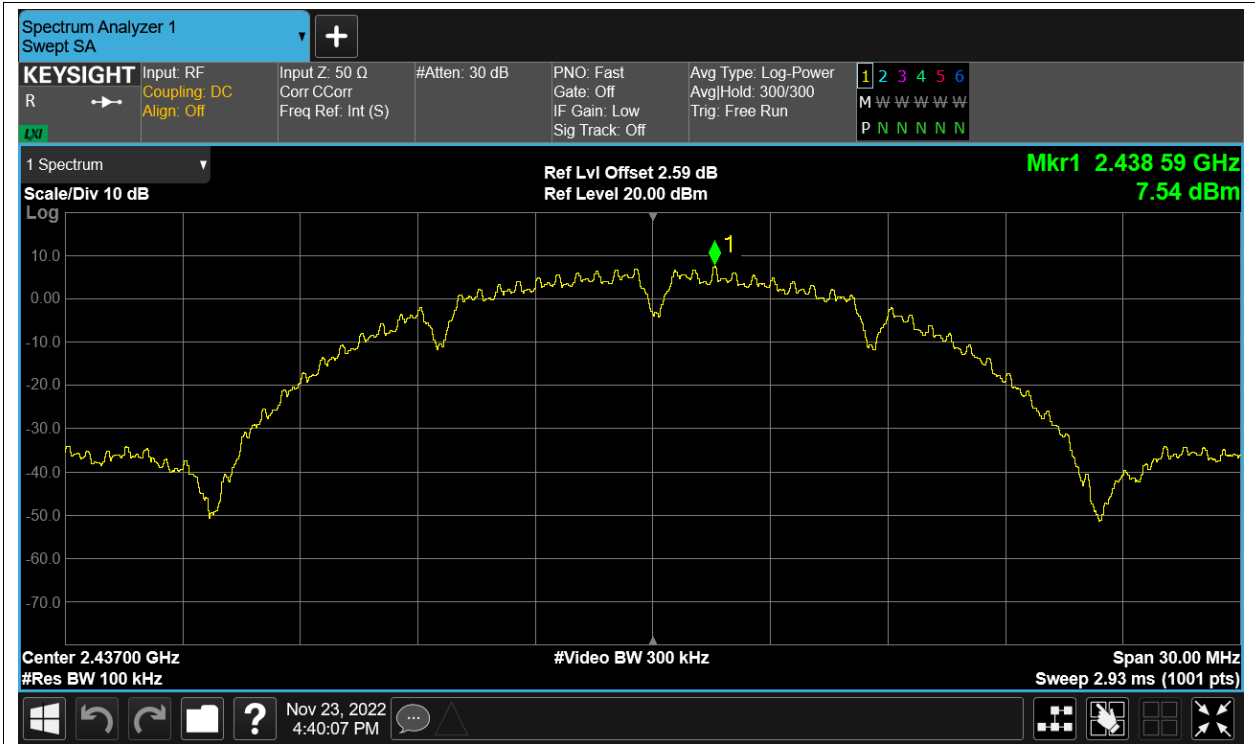


Tx. Spurious NVNT b 2412MHz Ant1 Emission

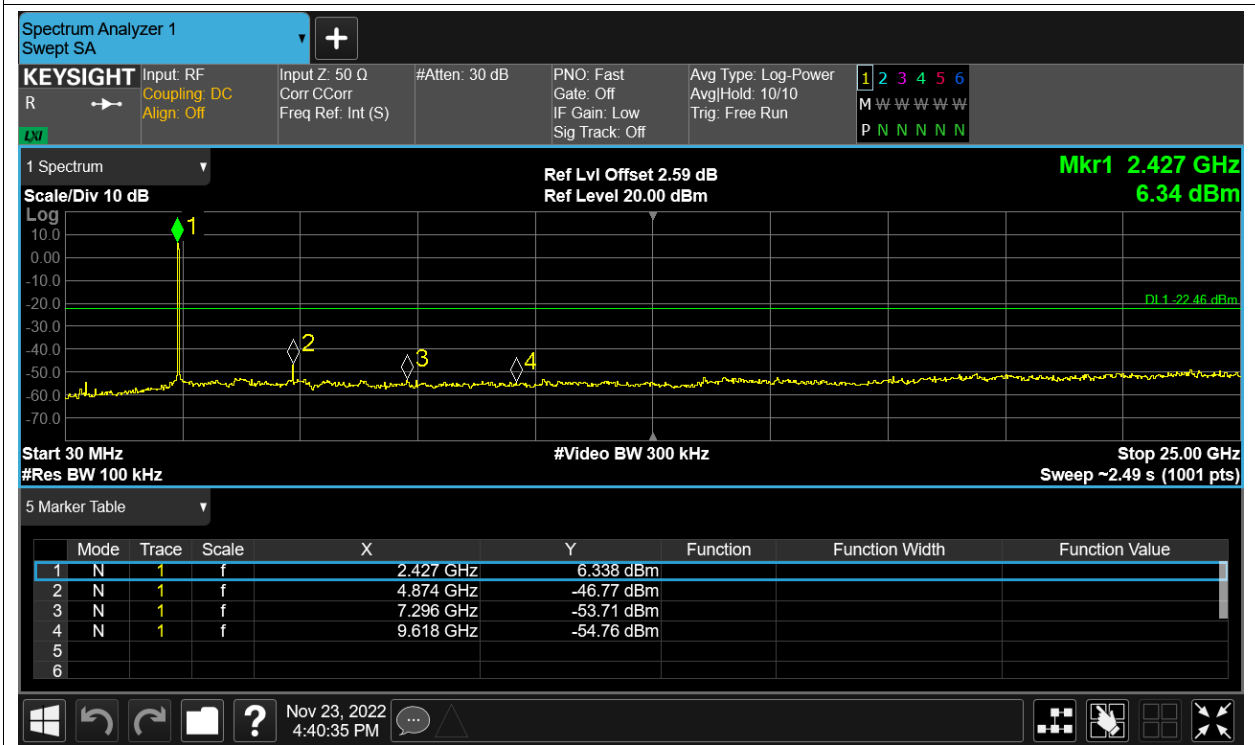


Tx. Spurious NVNT b 2437MHz Ant1 Ref

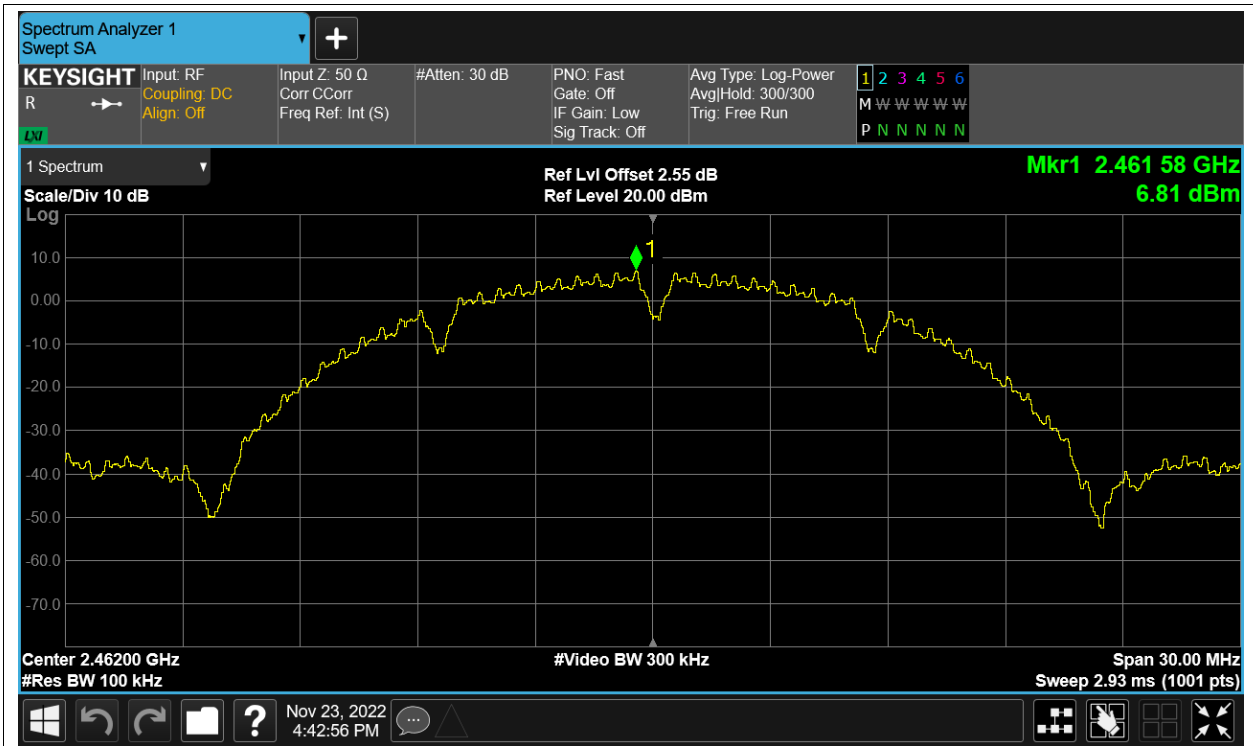




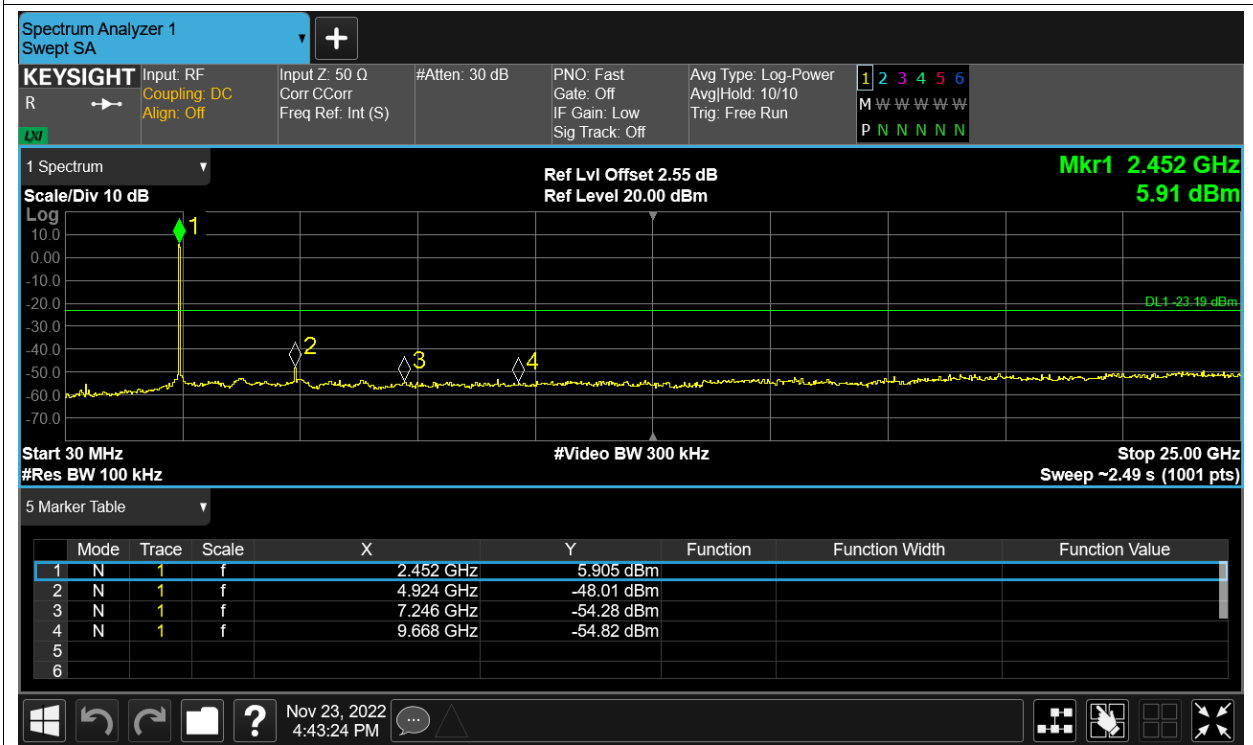
Tx. Spurious NVNT b 2437MHz Ant1 Emission



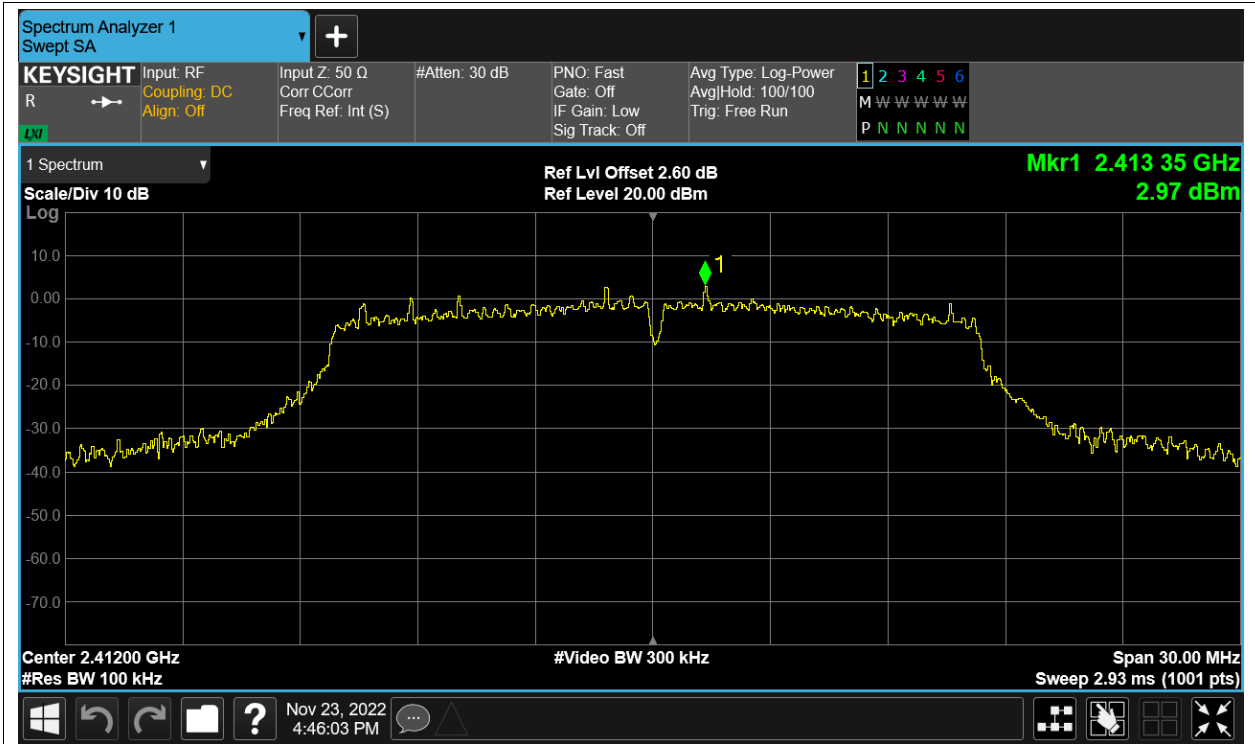
Tx. Spurious NVNT b 2462MHz Ant1 Ref



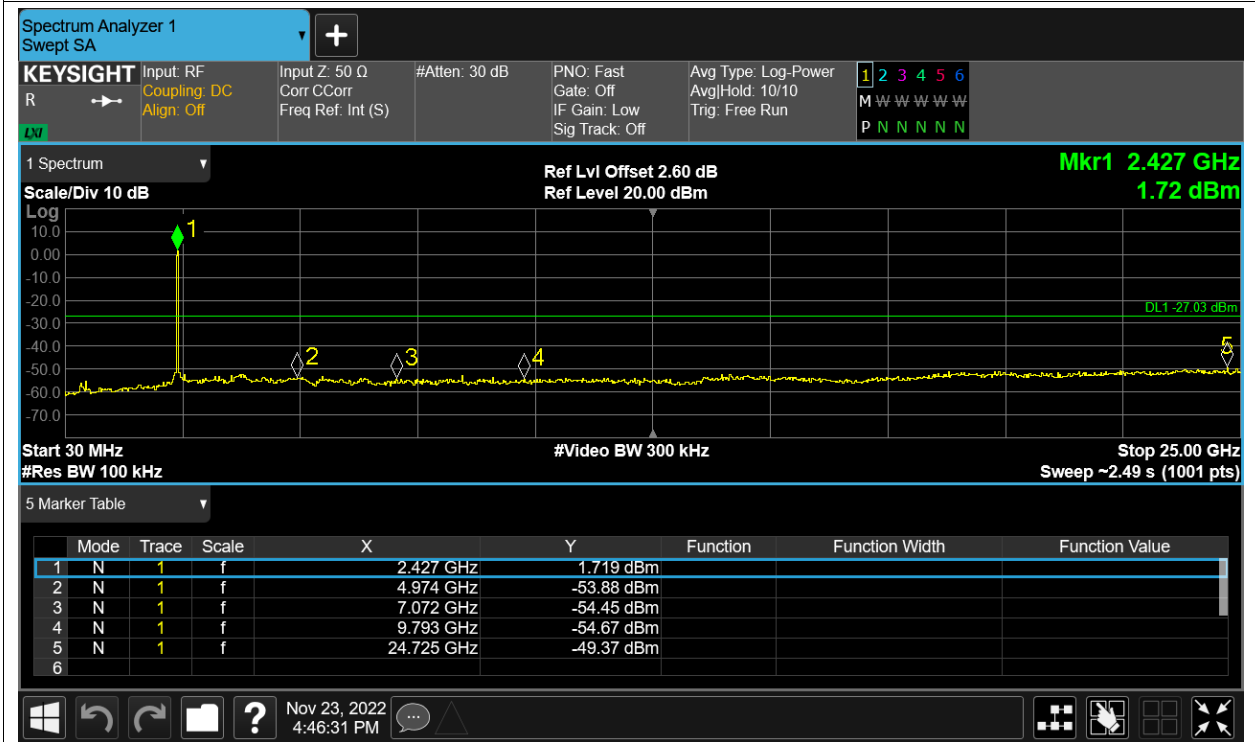
Tx. Spurious NVNT b 2462MHz Ant1 Emission



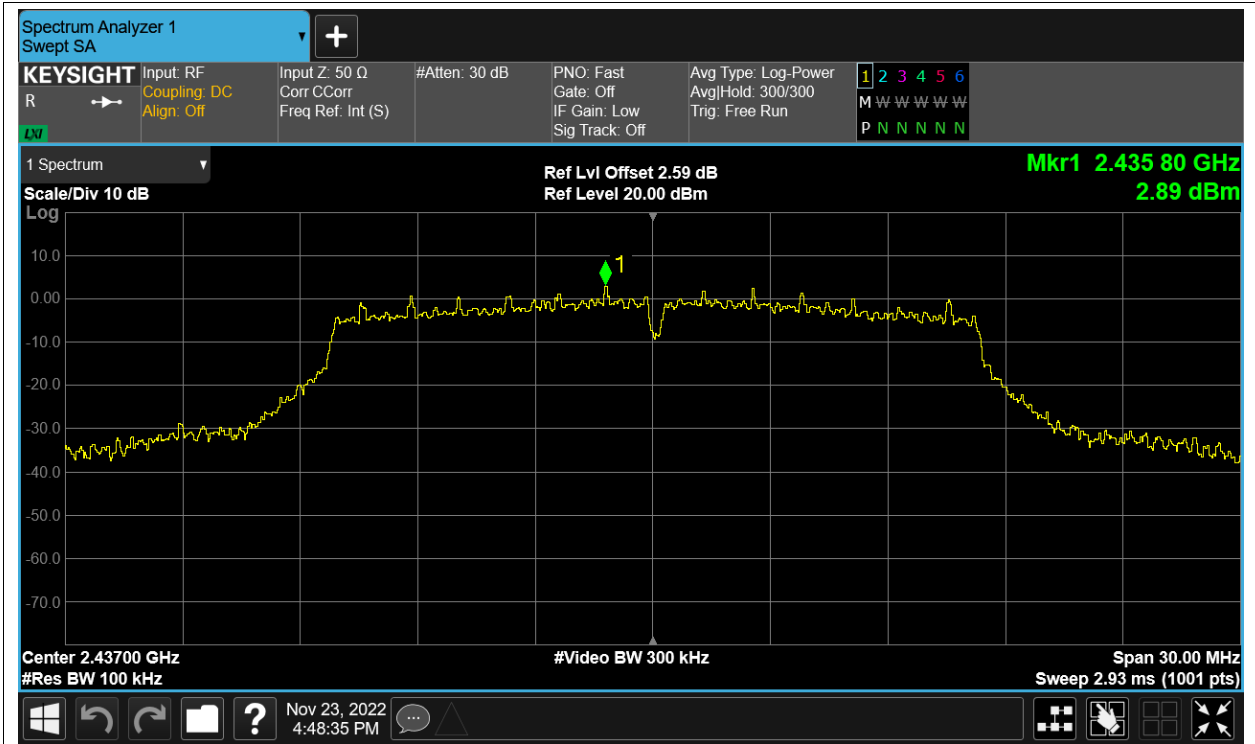
Tx. Spurious NVNT g 2412MHz Ant1 Ref



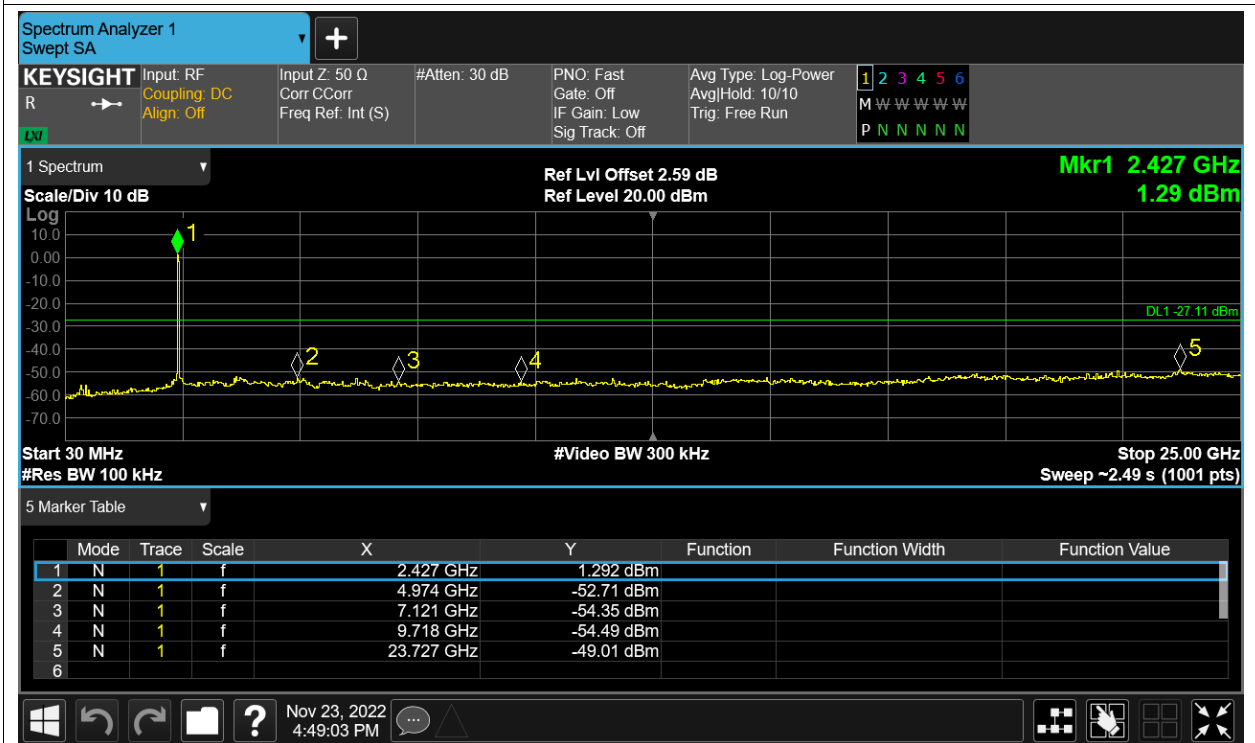
Tx. Spurious NVNT g 2412MHz Ant1 Emission



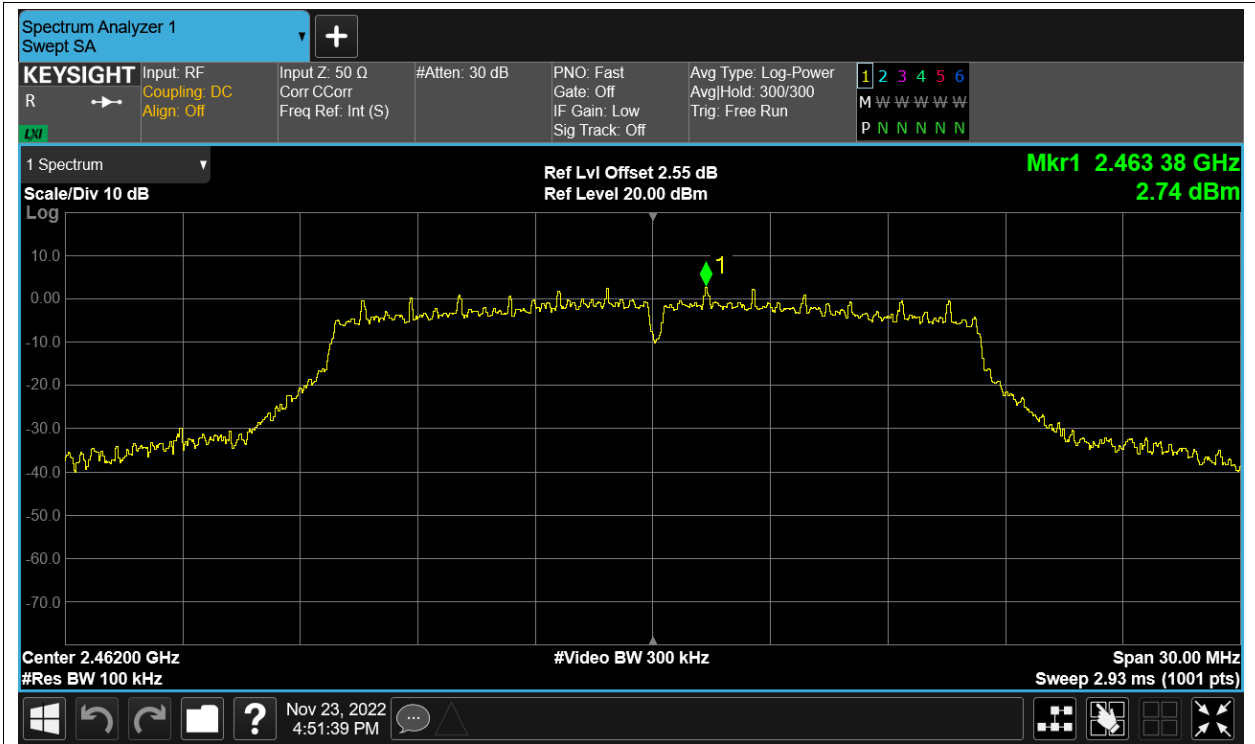
Tx. Spurious NVNT g 2437MHz Ant1 Ref



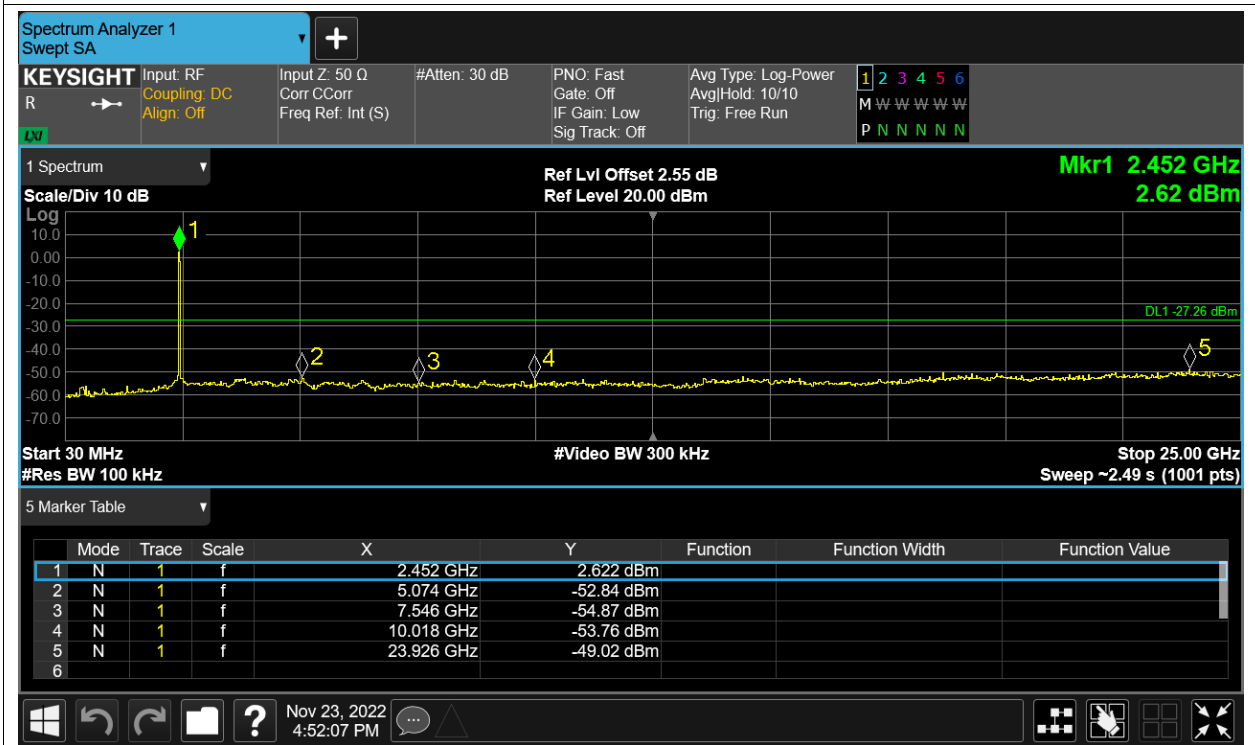
Tx. Spurious NVNT g 2437MHz Ant1 Emission



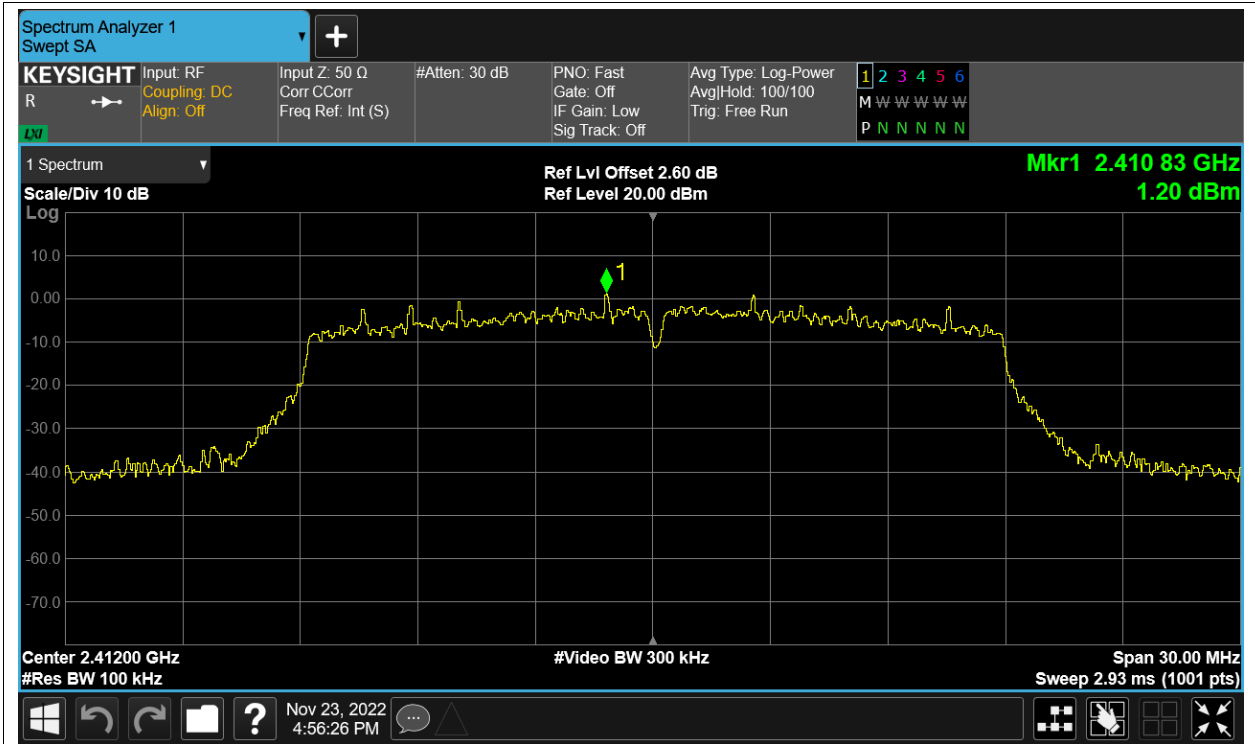
Tx. Spurious NVNT g 2462MHz Ant1 Ref



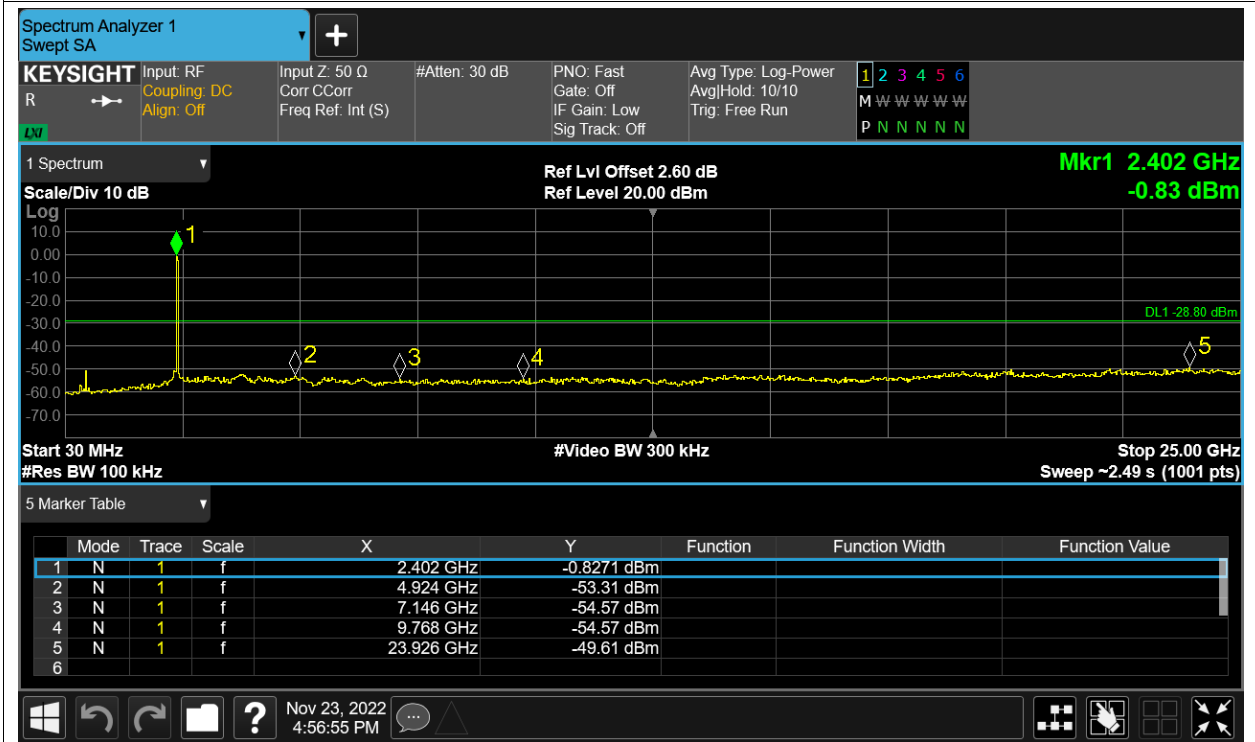
Tx. Spurious NVNT g 2462MHz Ant1 Emission



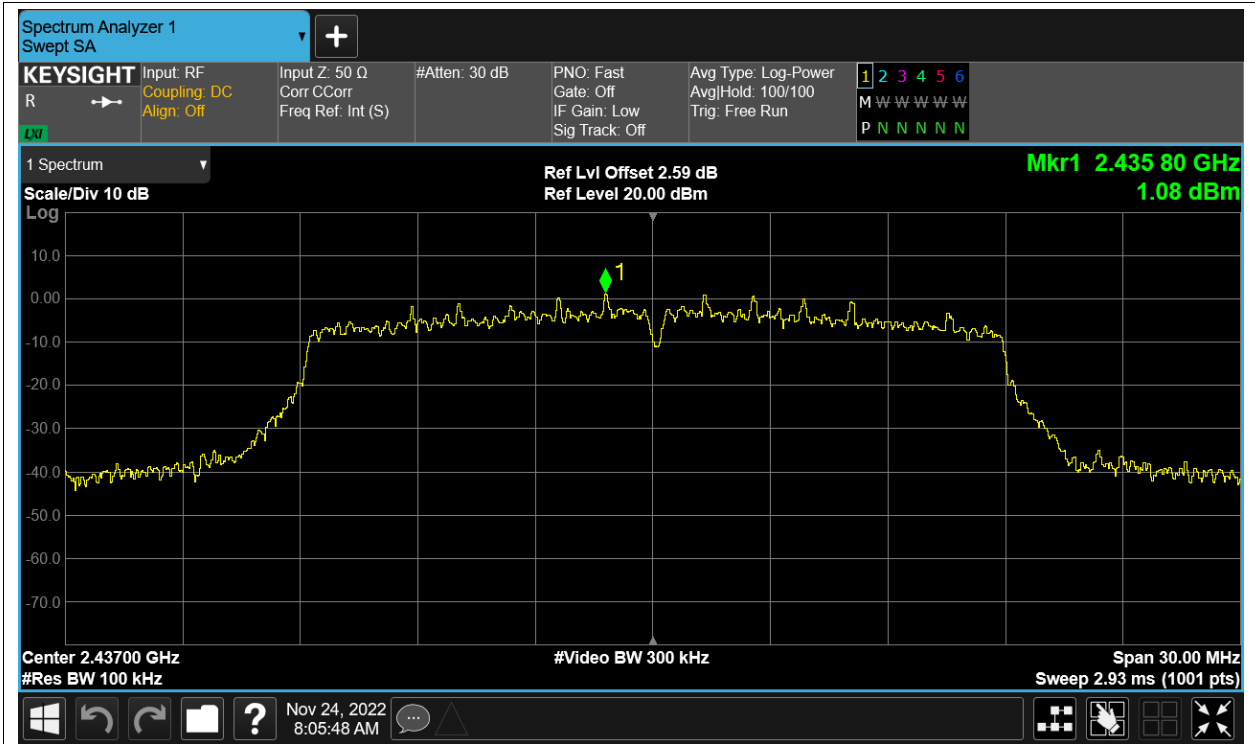
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



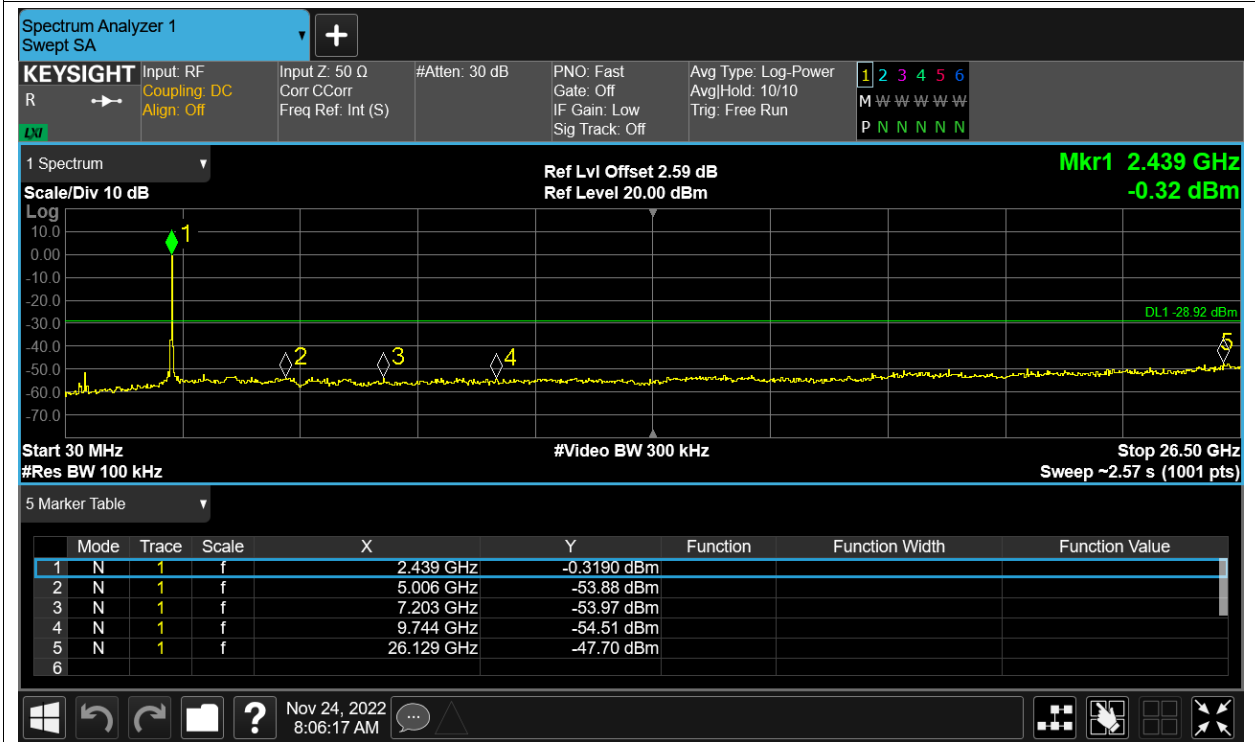
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



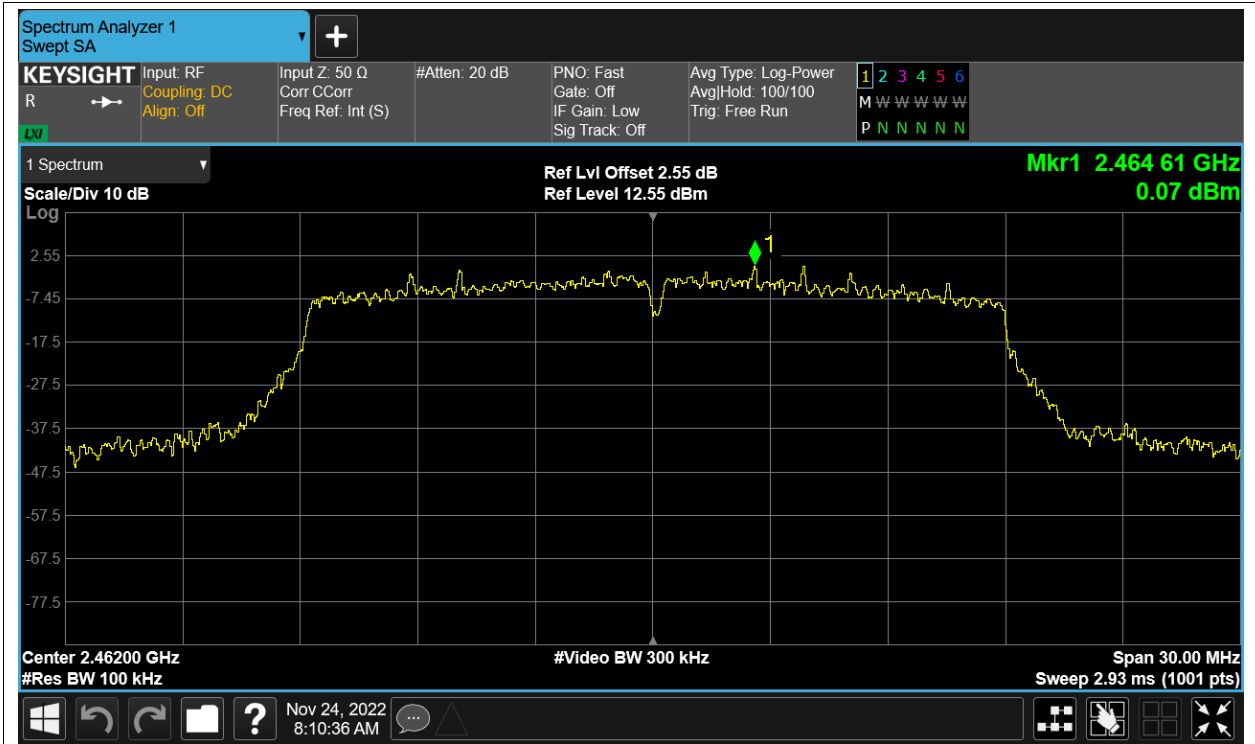
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



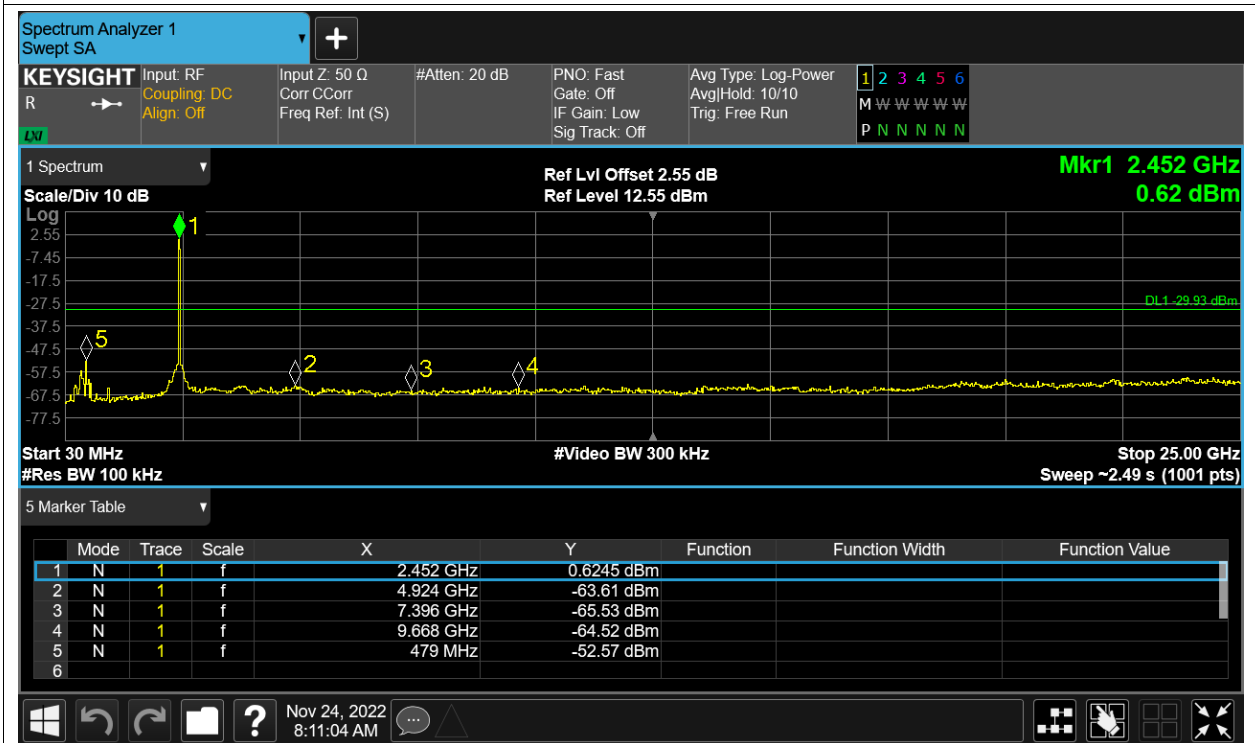
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref

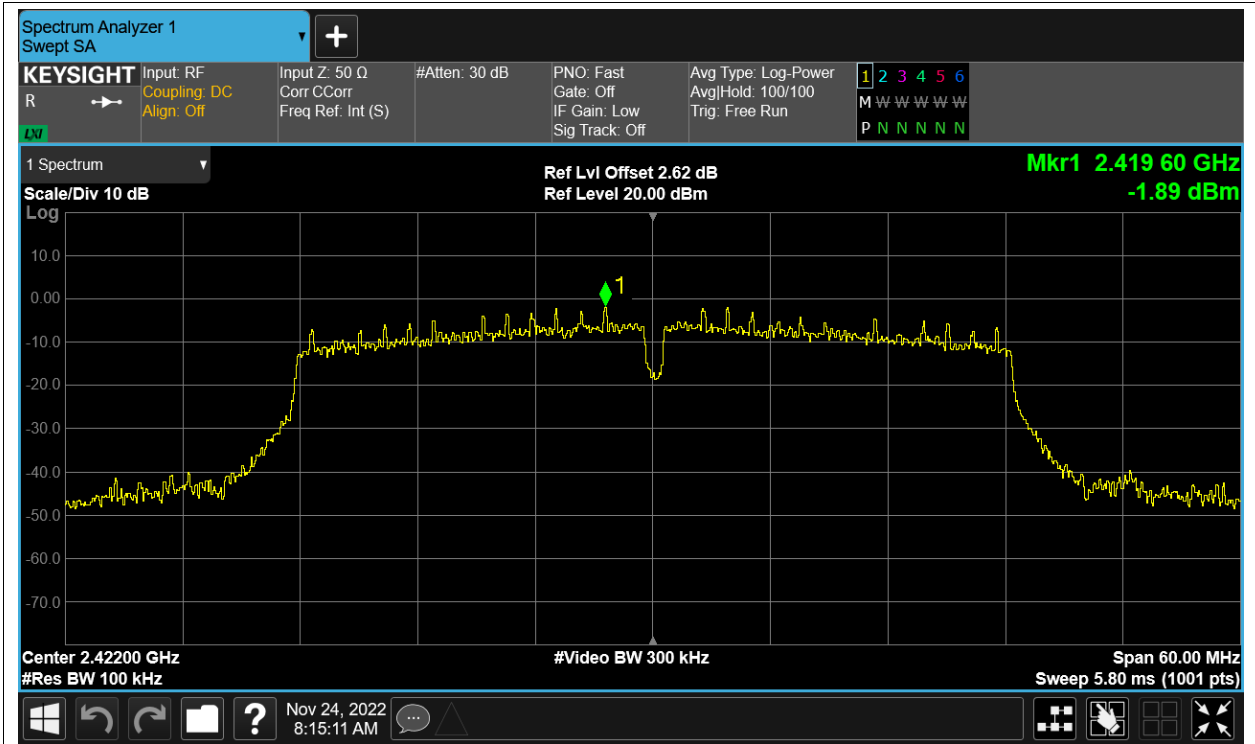


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

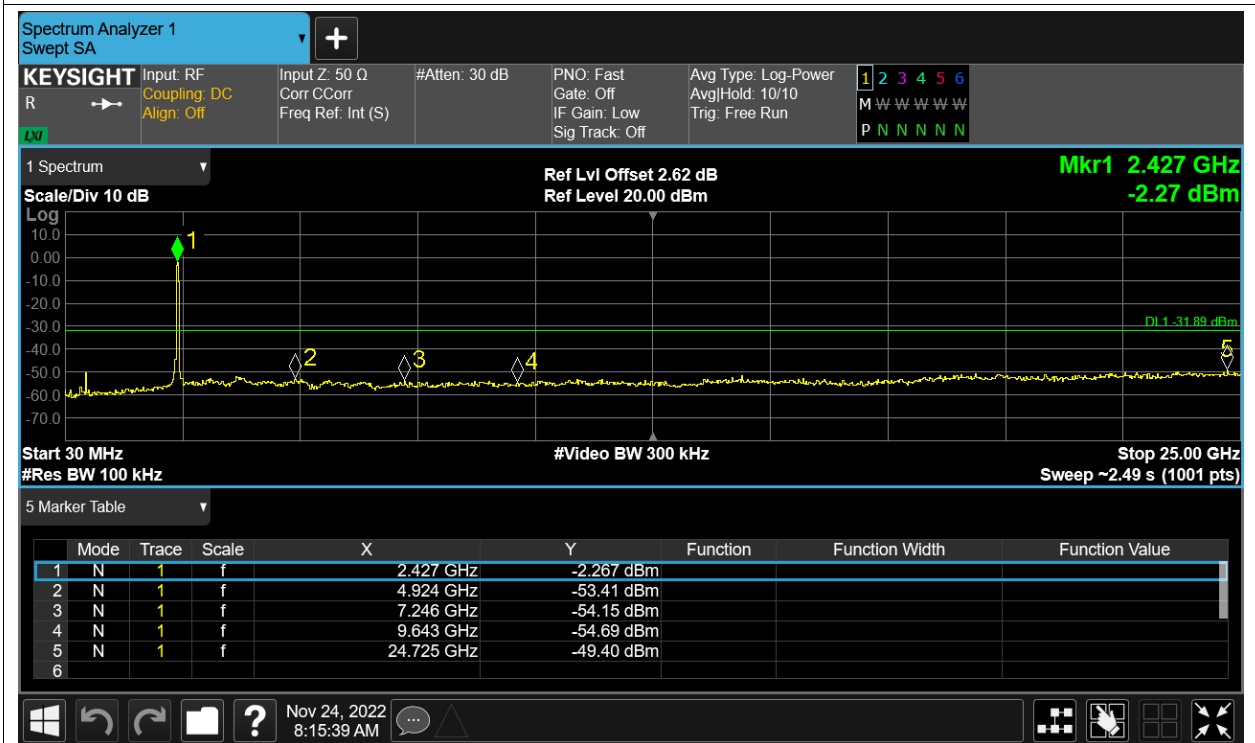


Tx. Spurious NVNT n40 2422MHz Ant1 Ref

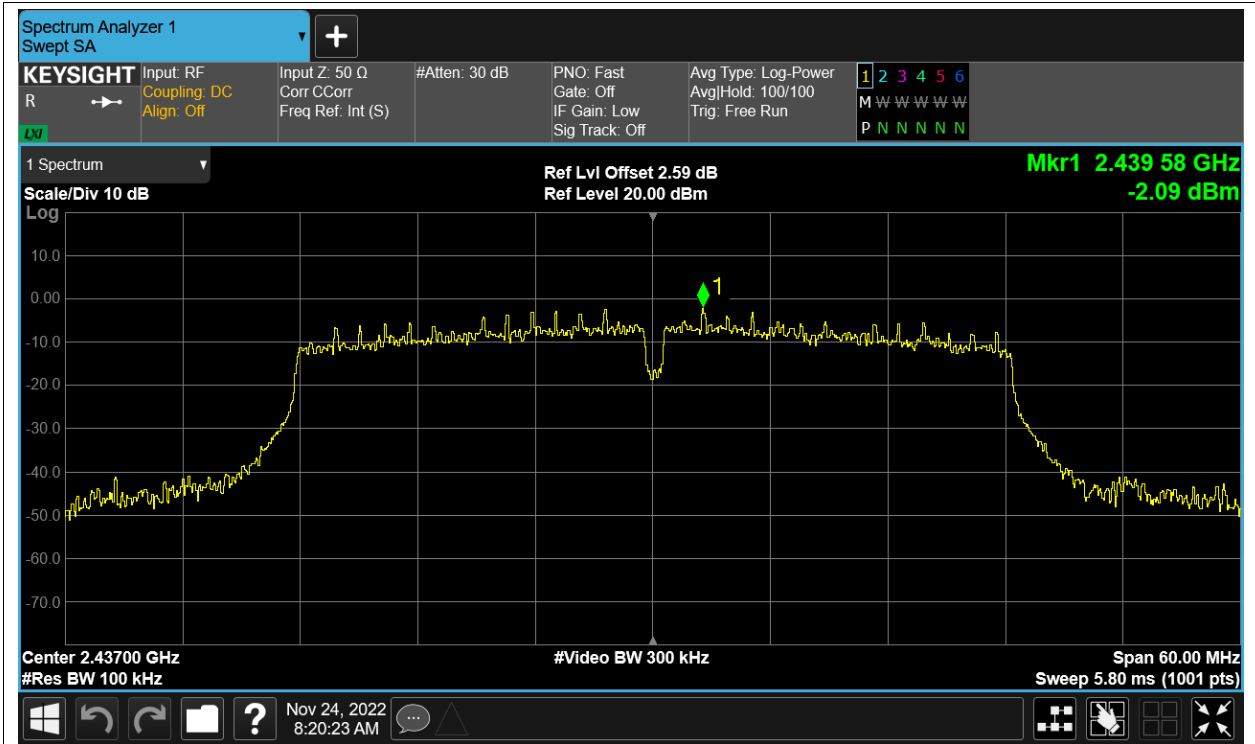




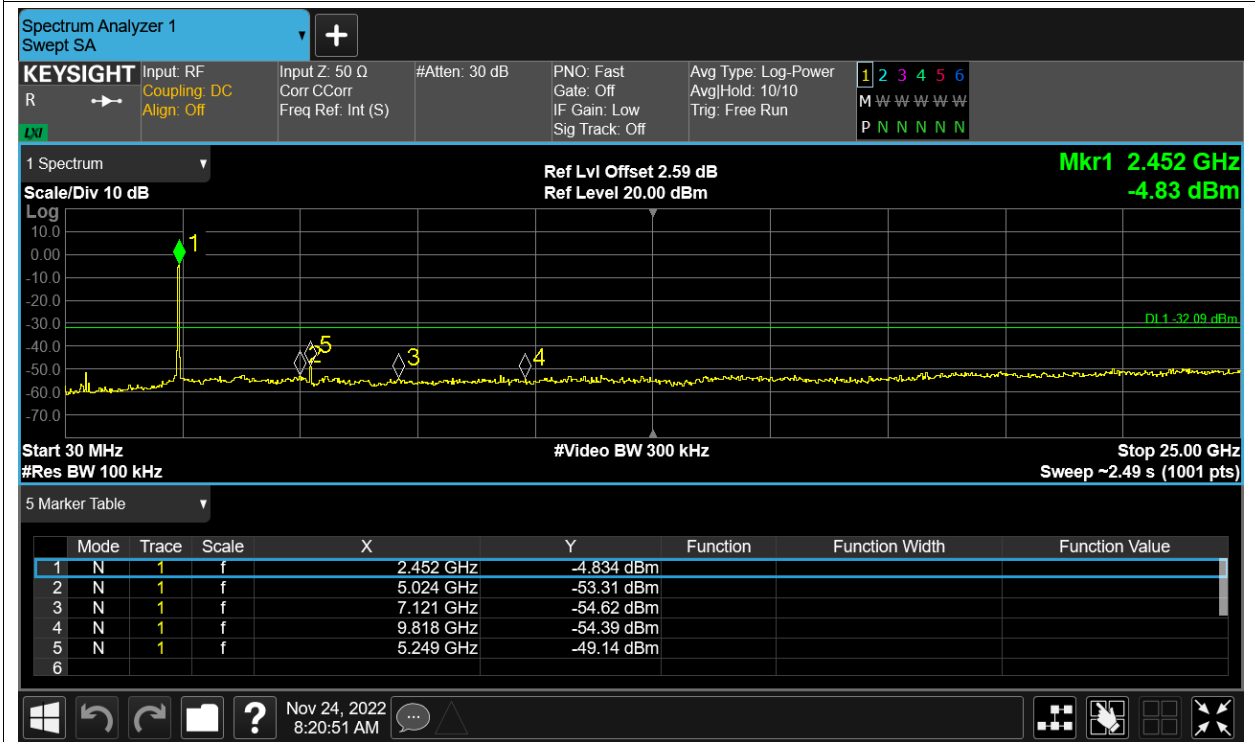
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



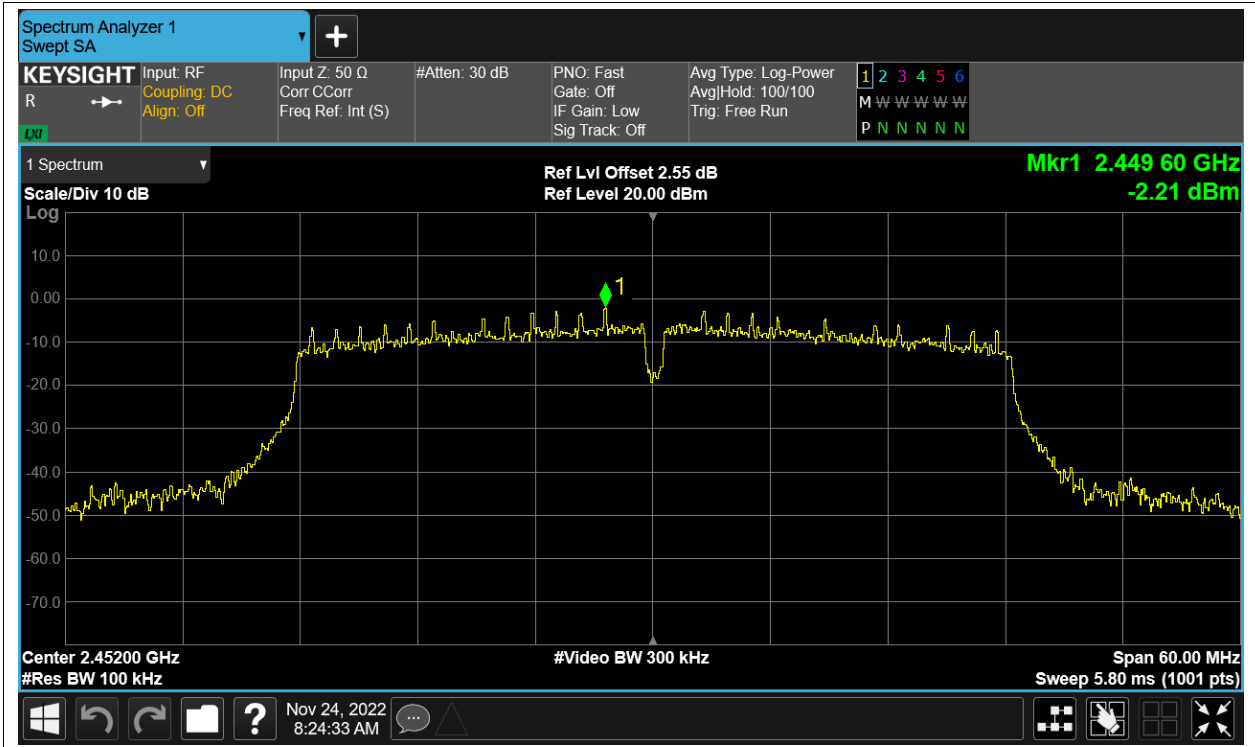
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

