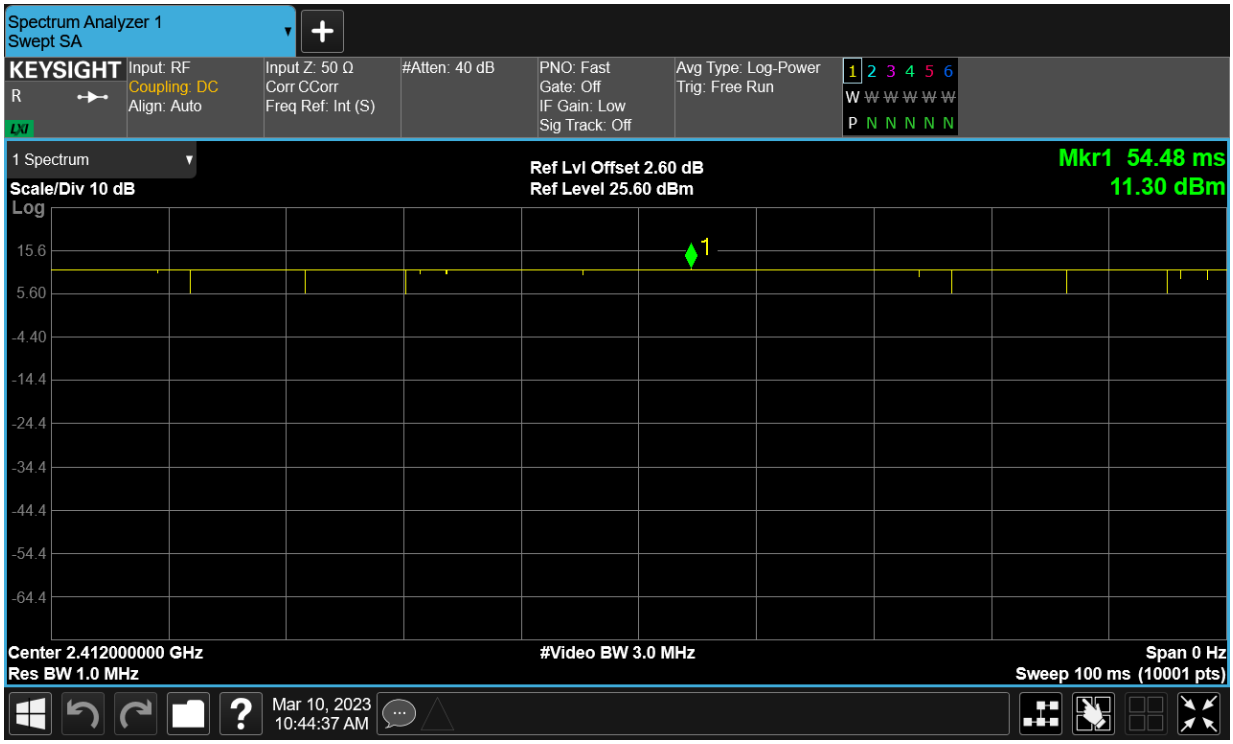
Test Data

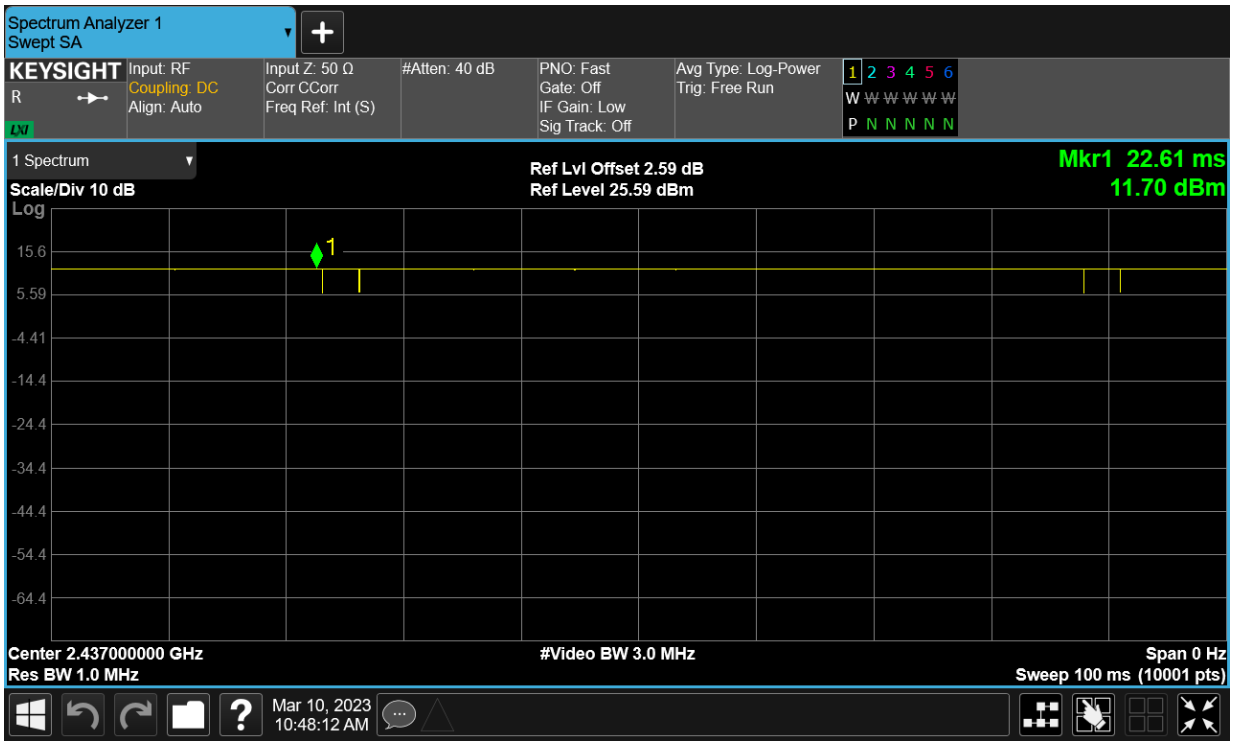
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant7	100	0
NVNT	b	2437	Ant7	100	0
NVNT	b	2462	Ant7	100	0
NVNT	g	2412	Ant7	100	0
NVNT	g	2437	Ant7	100	0
NVNT	g	2462	Ant7	100	0
NVNT	n20	2412	Ant7	100	0
NVNT	n20	2437	Ant7	100	0
NVNT	n20	2462	Ant7	100	0
NVNT	n40	2422	Ant7	100	0
NVNT	n40	2437	Ant7	100	0
NVNT	n40	2452	Ant7	100	0

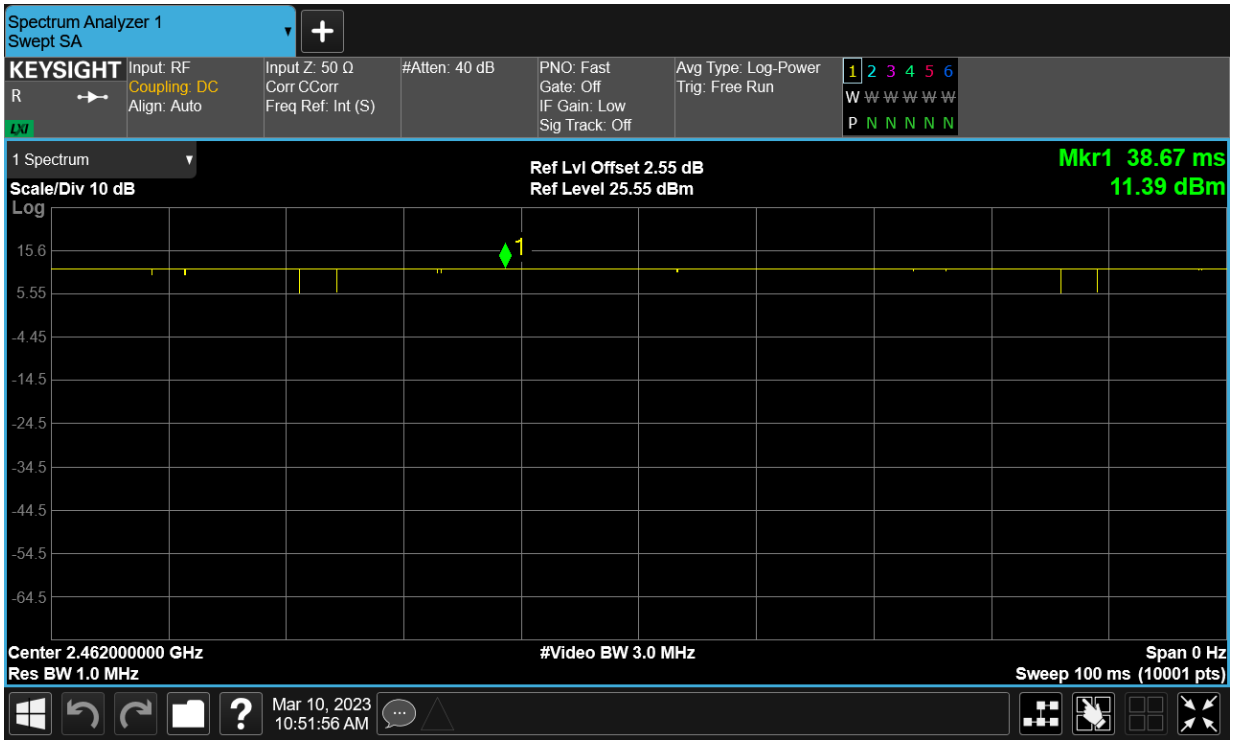
Test Graphs
Duty Cycle NVNT b 2412MHz Ant7



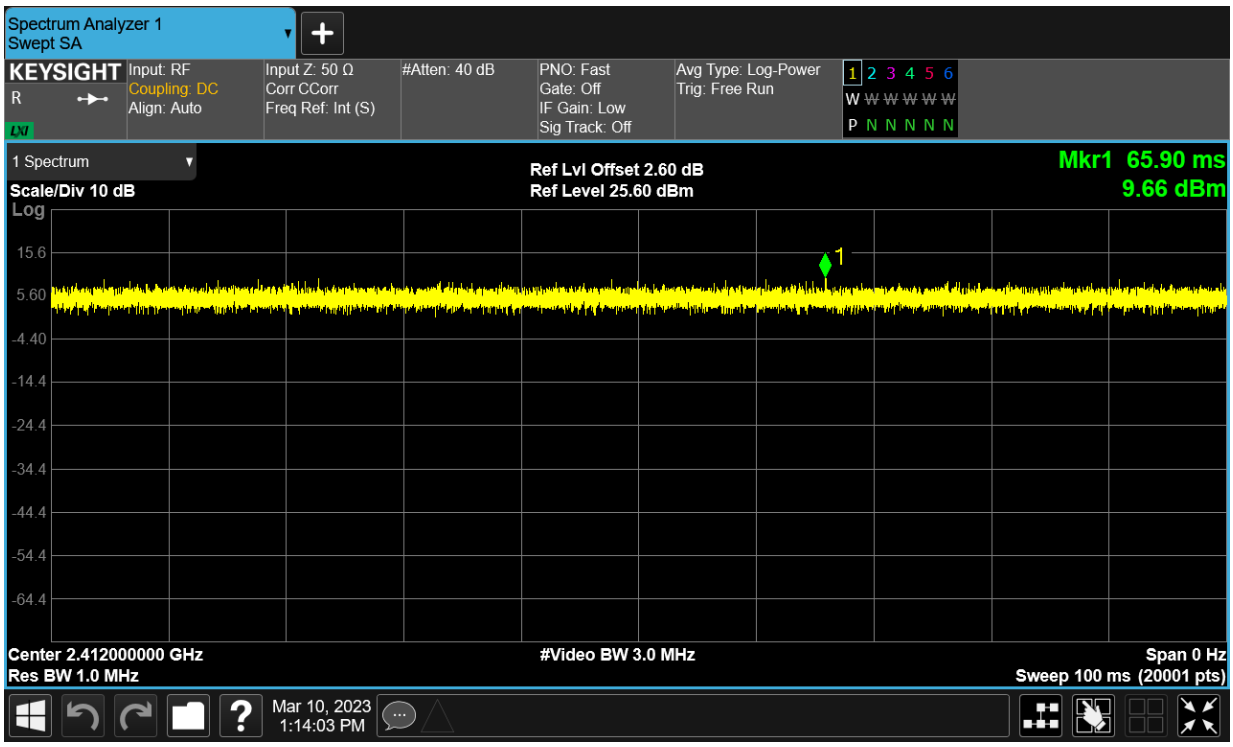
Duty Cycle NVNT b 2437MHz Ant7



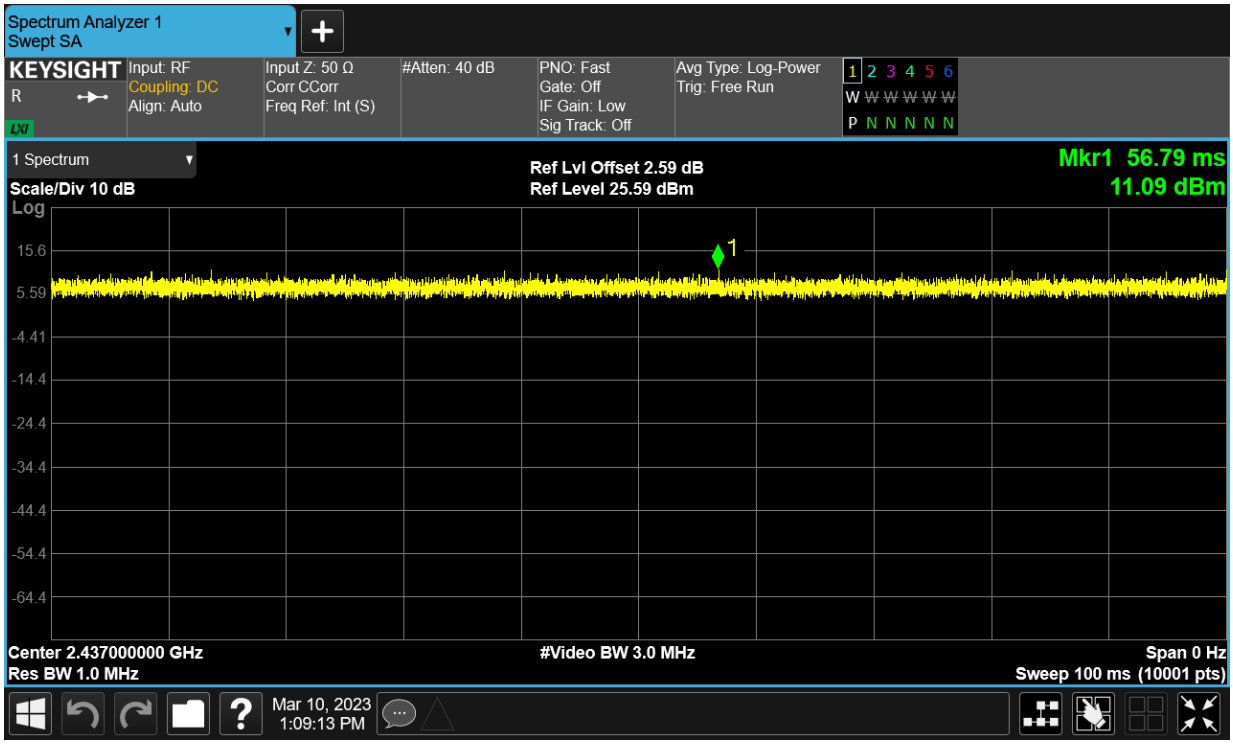
Duty Cycle NVNT b 2462MHz Ant7



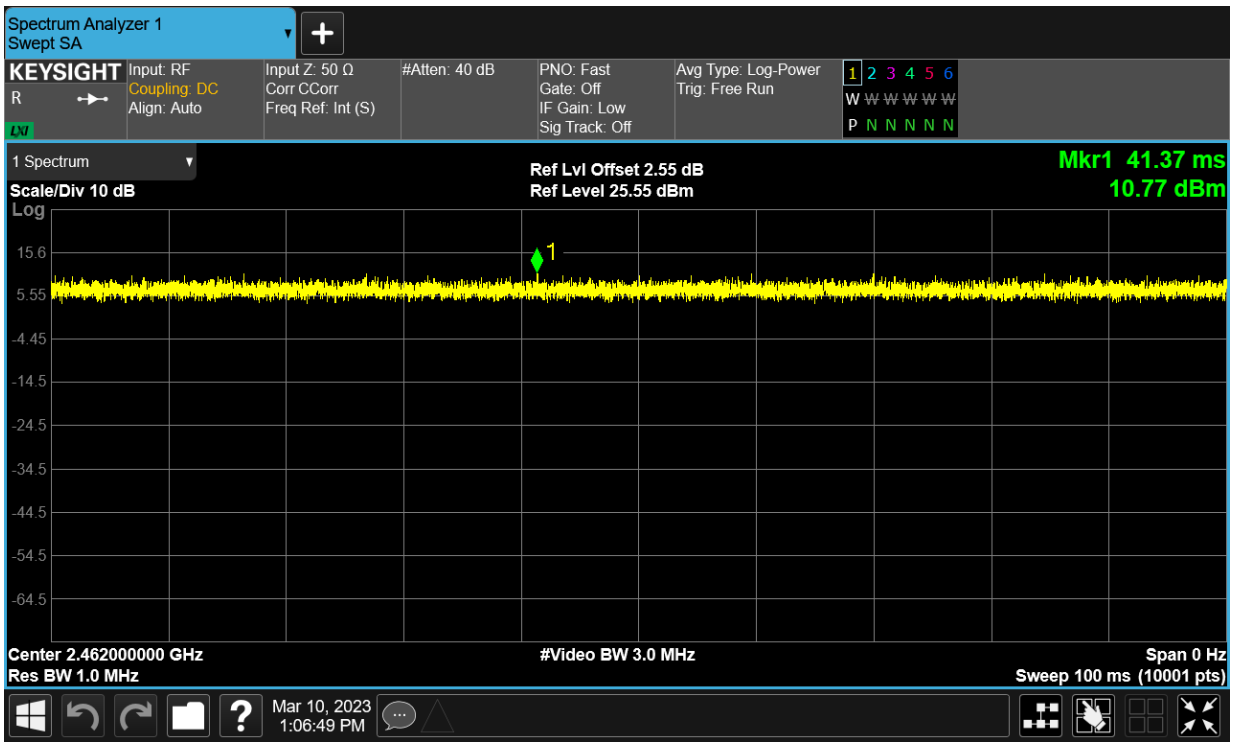
Duty Cycle NVNT g 2412MHz Ant7



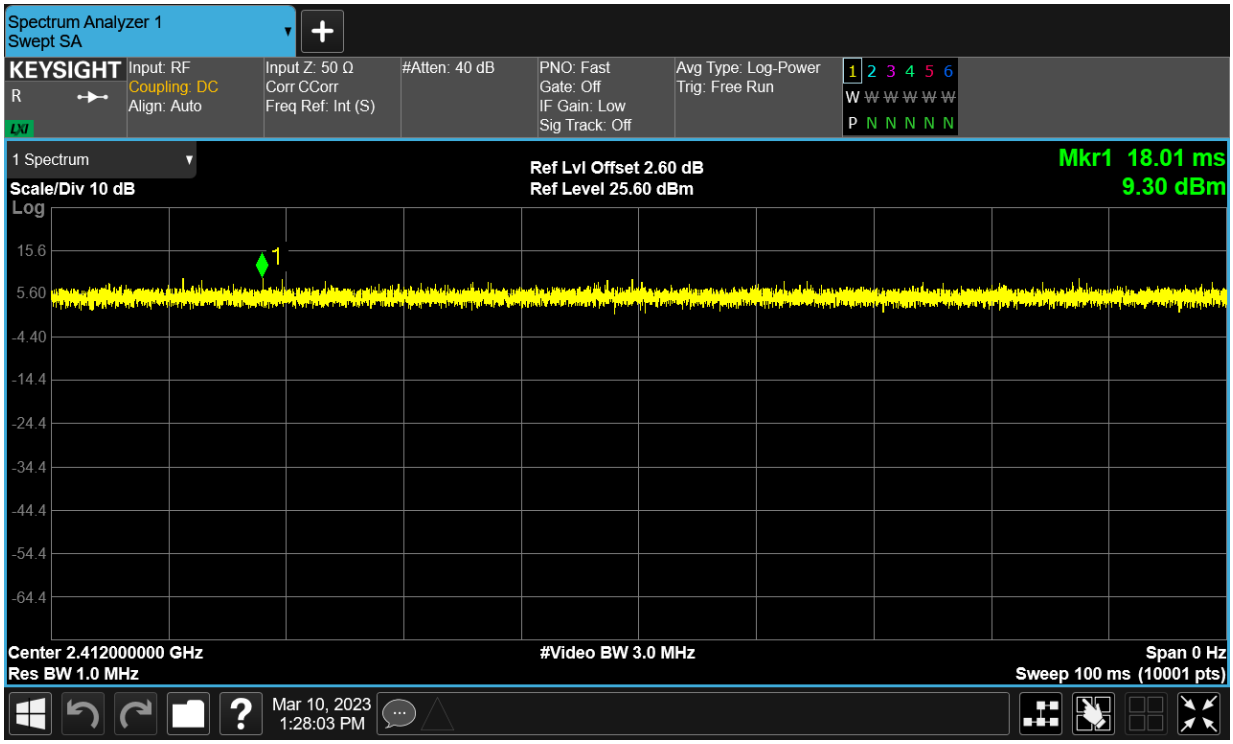
Duty Cycle NVNT g 2437MHz Ant7



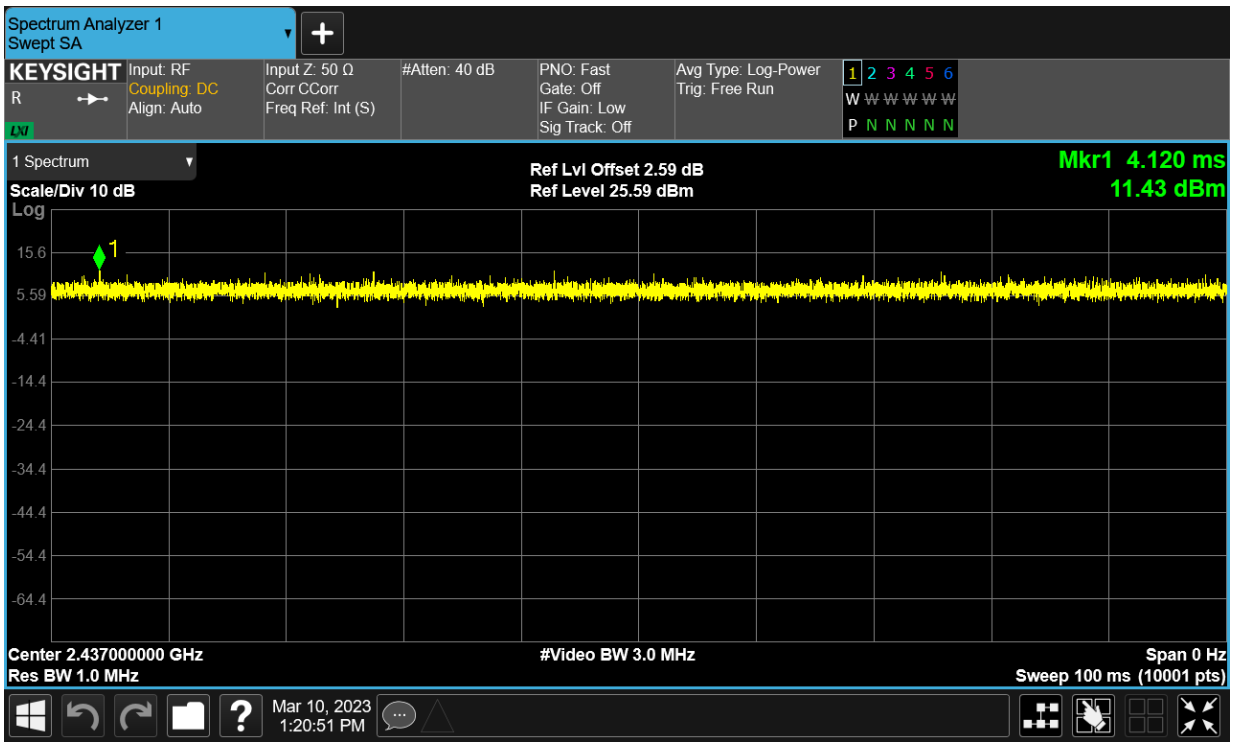
Duty Cycle NVNT g 2462MHz Ant7



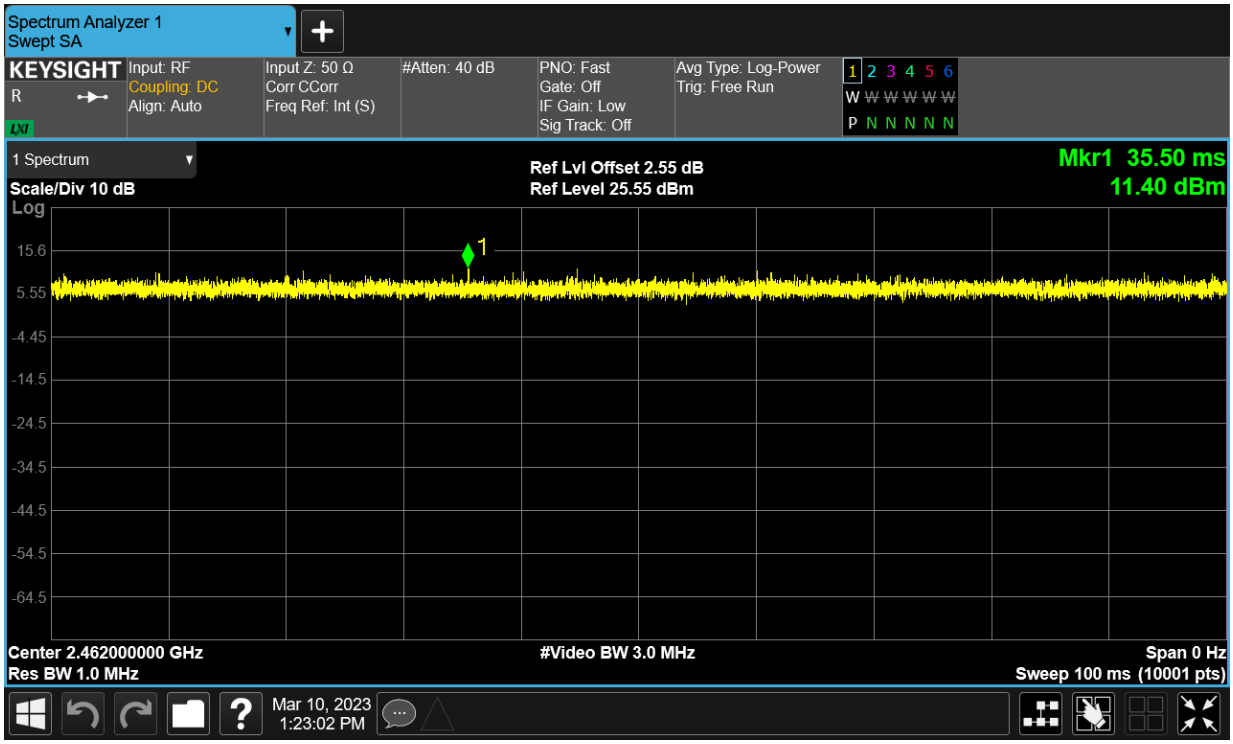
Duty Cycle NVNT n20 2412MHz Ant7



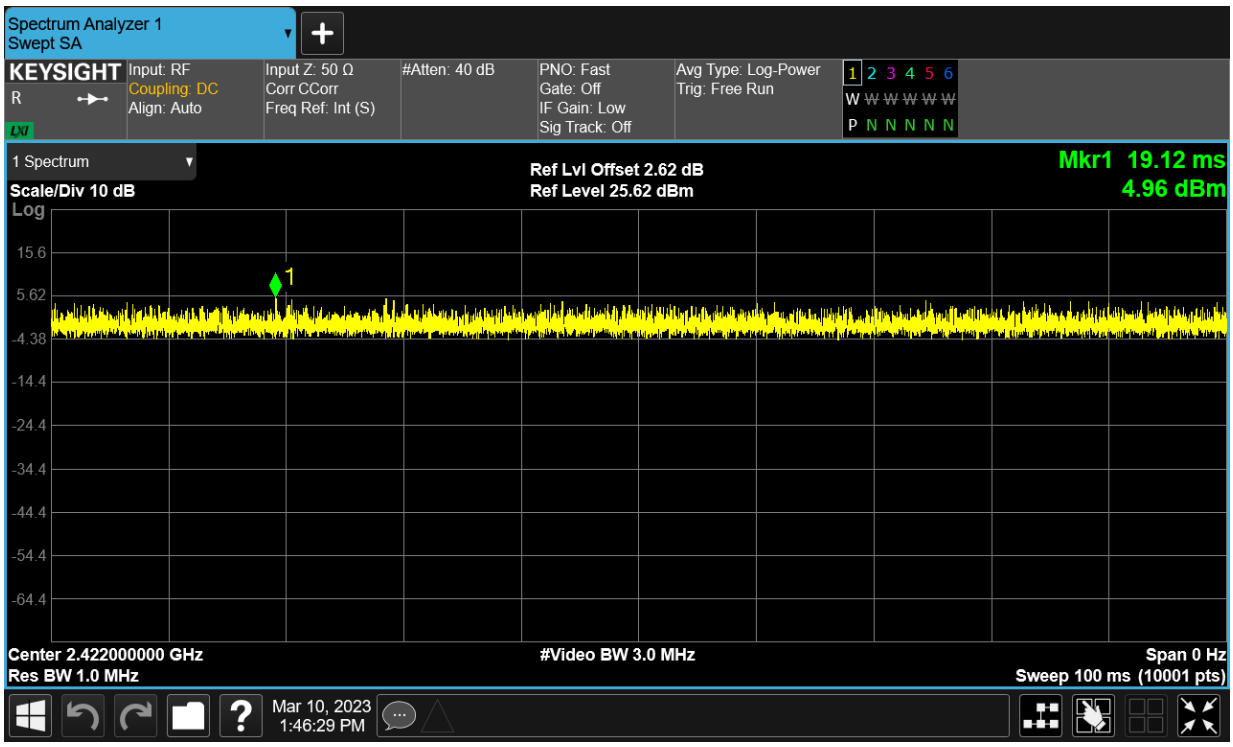
Duty Cycle NVNT n20 2437MHz Ant7



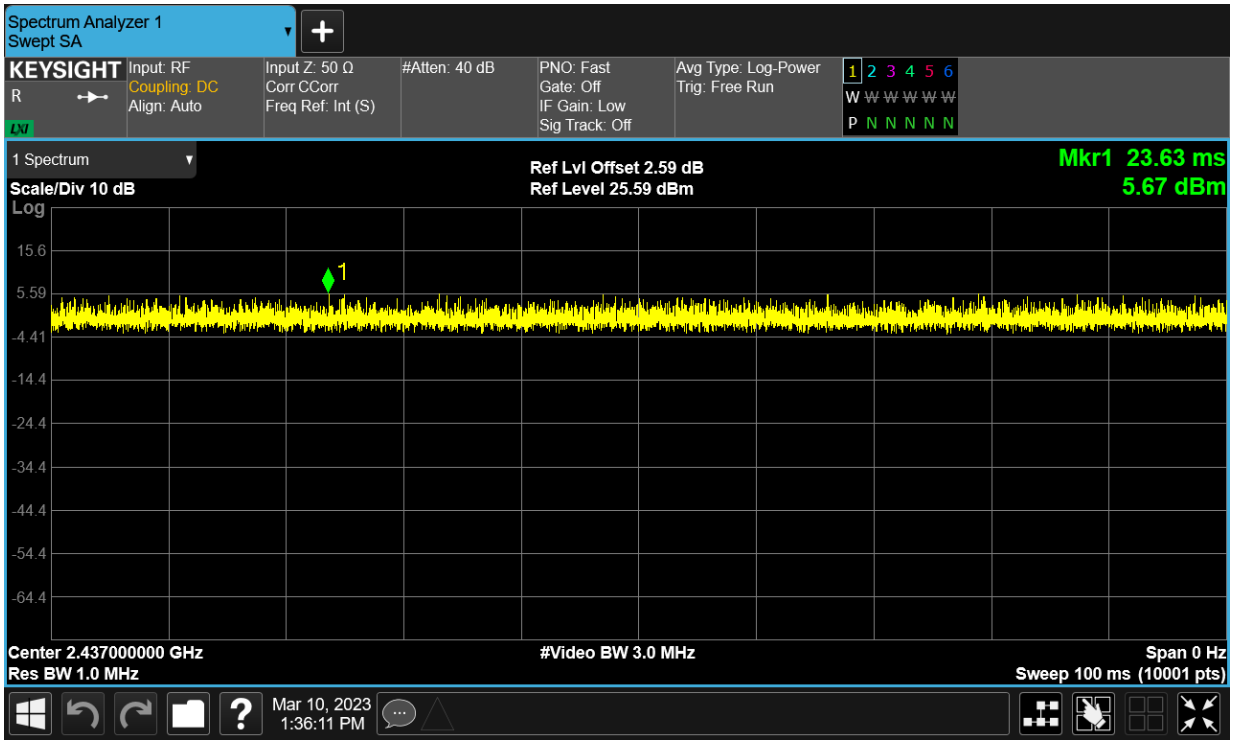
Duty Cycle NVNT n20 2462MHz Ant7



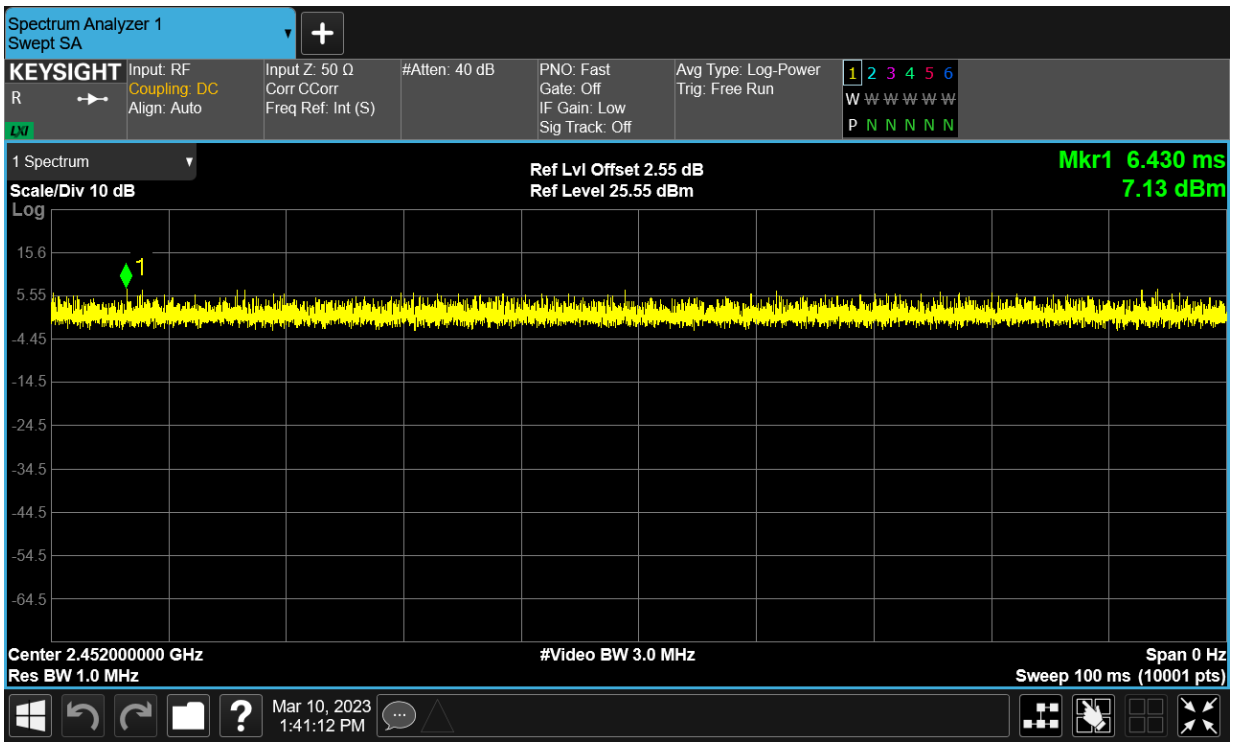
Duty Cycle NVNT n40 2422MHz Ant7



Duty Cycle NVNT n40 2437MHz Ant7



Duty Cycle NVNT n40 2452MHz Ant7



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant7	16.38	0	16.38	30	Pass
NVNT	b	2437	Ant7	16.36	0	16.36	30	Pass
NVNT	b	2462	Ant7	16.7	0	16.7	30	Pass
NVNT	g	2412	Ant7	11.97	0	11.97	30	Pass
NVNT	g	2437	Ant7	13.2	0	13.2	30	Pass
NVNT	g	2462	Ant7	13.53	0	13.53	30	Pass
NVNT	n20	2412	Ant7	11.43	0	11.43	30	Pass
NVNT	n20	2437	Ant7	13.13	0	13.13	30	Pass
NVNT	n20	2462	Ant7	13.54	0	13.54	30	Pass
NVNT	n40	2422	Ant7	11.59	0	11.59	30	Pass
NVNT	n40	2437	Ant7	13.34	0	13.34	30	Pass
NVNT	n40	2452	Ant7	13.53	0	13.53	30	Pass

-6dB Bandwidth

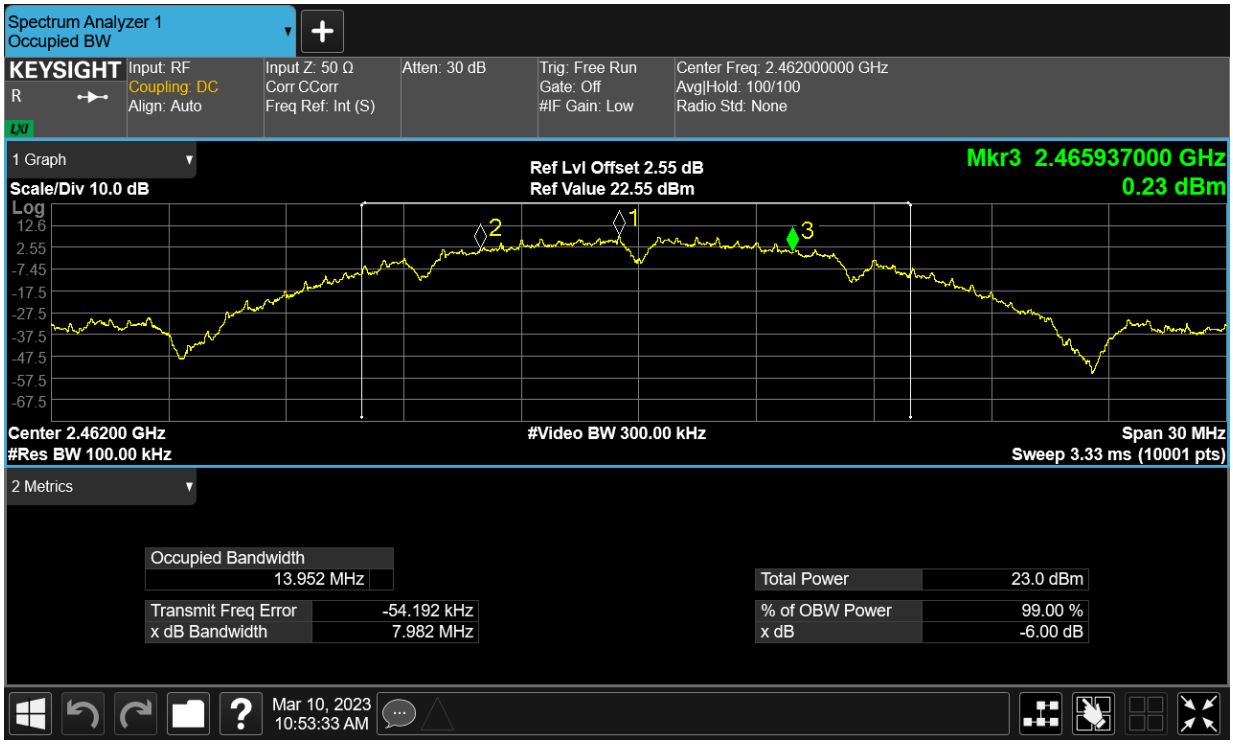
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	b	2412	Ant7	9.033	0.5	Pass
NVNT	b	2437	Ant7	8.536	0.5	Pass
NVNT	b	2462	Ant7	7.982	0.5	Pass
NVNT	g	2412	Ant7	16.341	0.5	Pass
NVNT	g	2437	Ant7	16.359	0.5	Pass
NVNT	g	2462	Ant7	16.34	0.5	Pass
NVNT	n20	2412	Ant7	17.563	0.5	Pass
NVNT	n20	2437	Ant7	17.581	0.5	Pass
NVNT	n20	2462	Ant7	17.589	0.5	Pass
NVNT	n40	2422	Ant7	34.41	0.5	Pass
NVNT	n40	2437	Ant7	36.426	0.5	Pass
NVNT	n40	2452	Ant7	34.386	0.5	Pass

Test Graphs

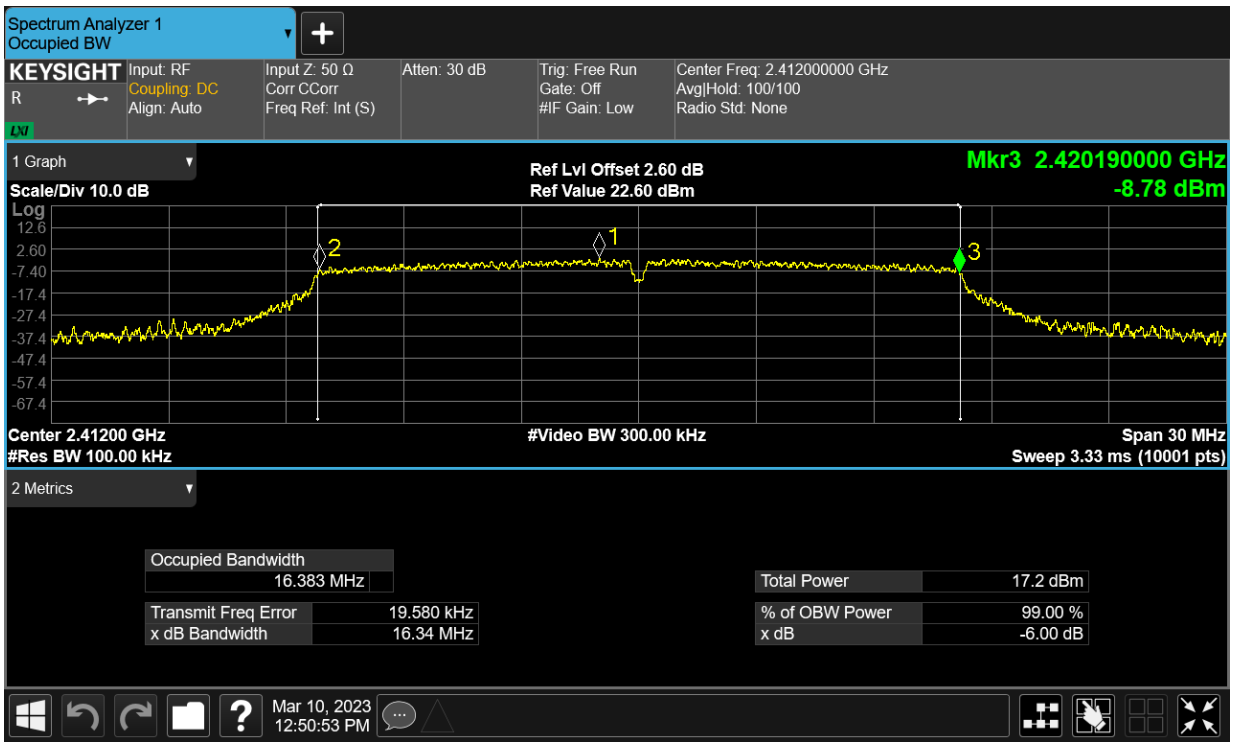
-6dB Bandwidth NVNT b 2412MHz Ant7

-6dB Bandwidth NVNT b 2437MHz Ant7

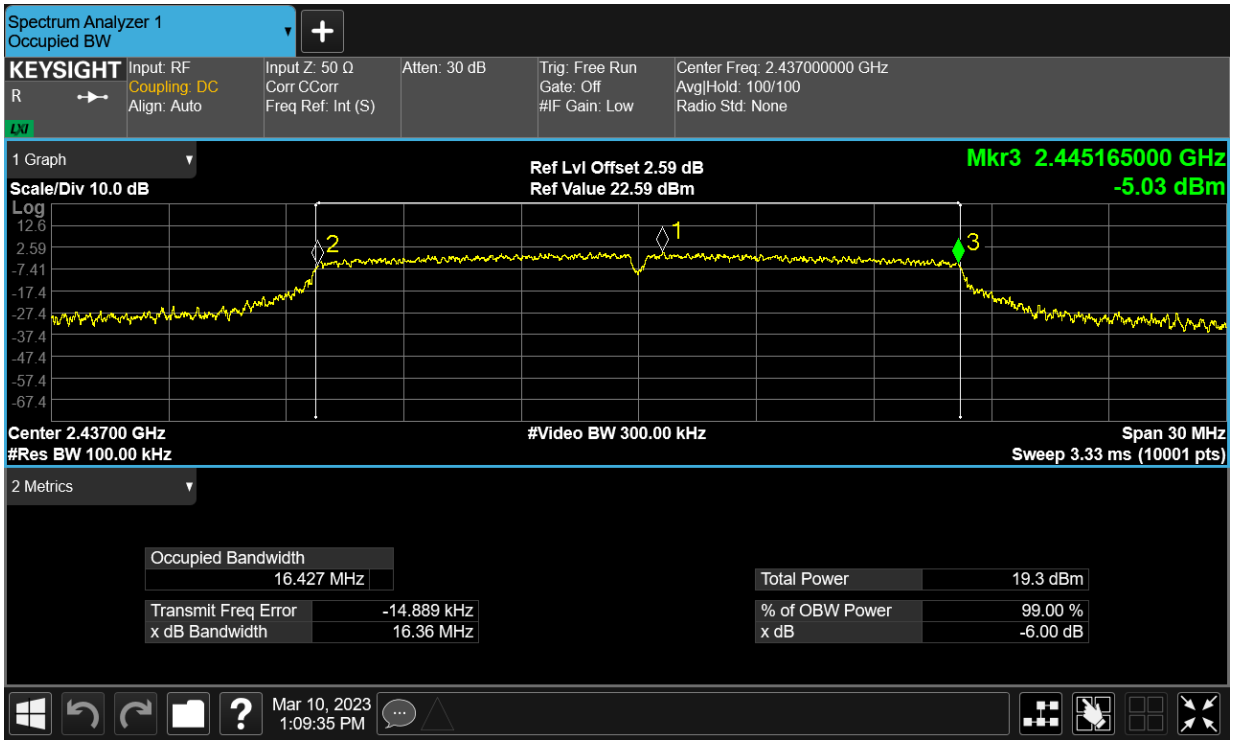
-6dB Bandwidth NVNT b 2462MHz Ant7



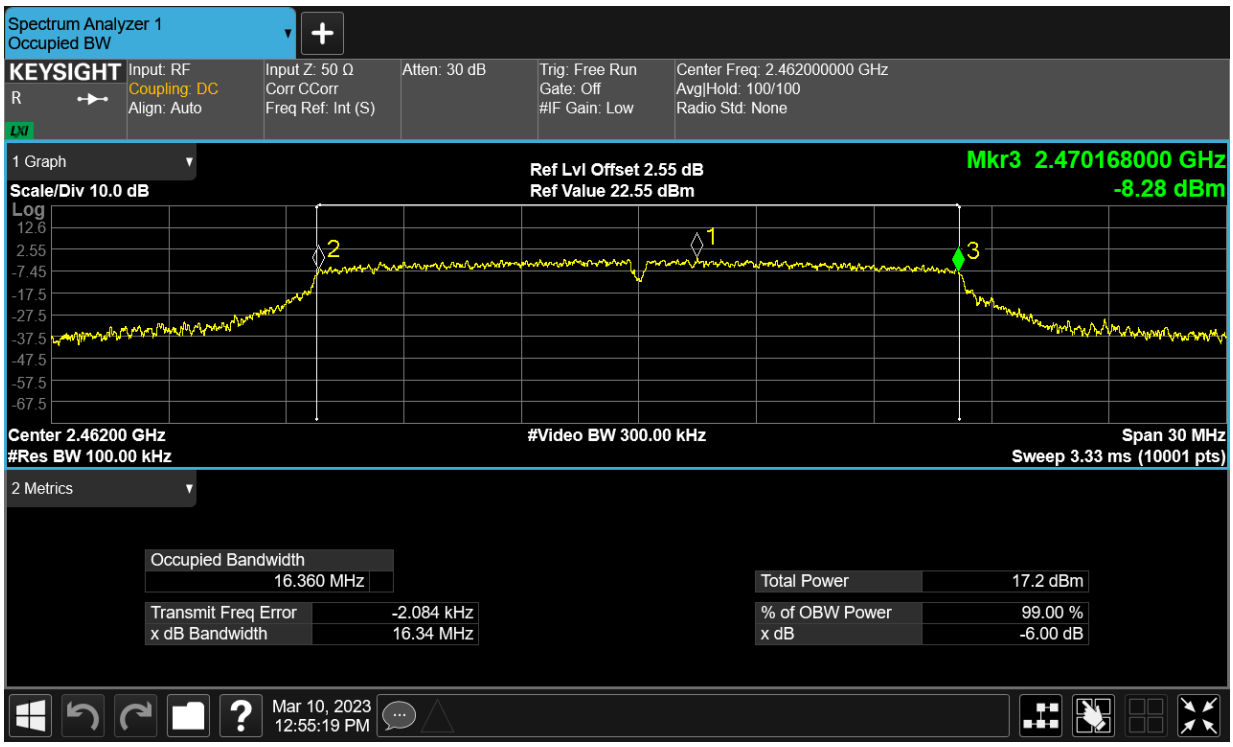
-6dB Bandwidth NVNT g 2412MHz Ant7



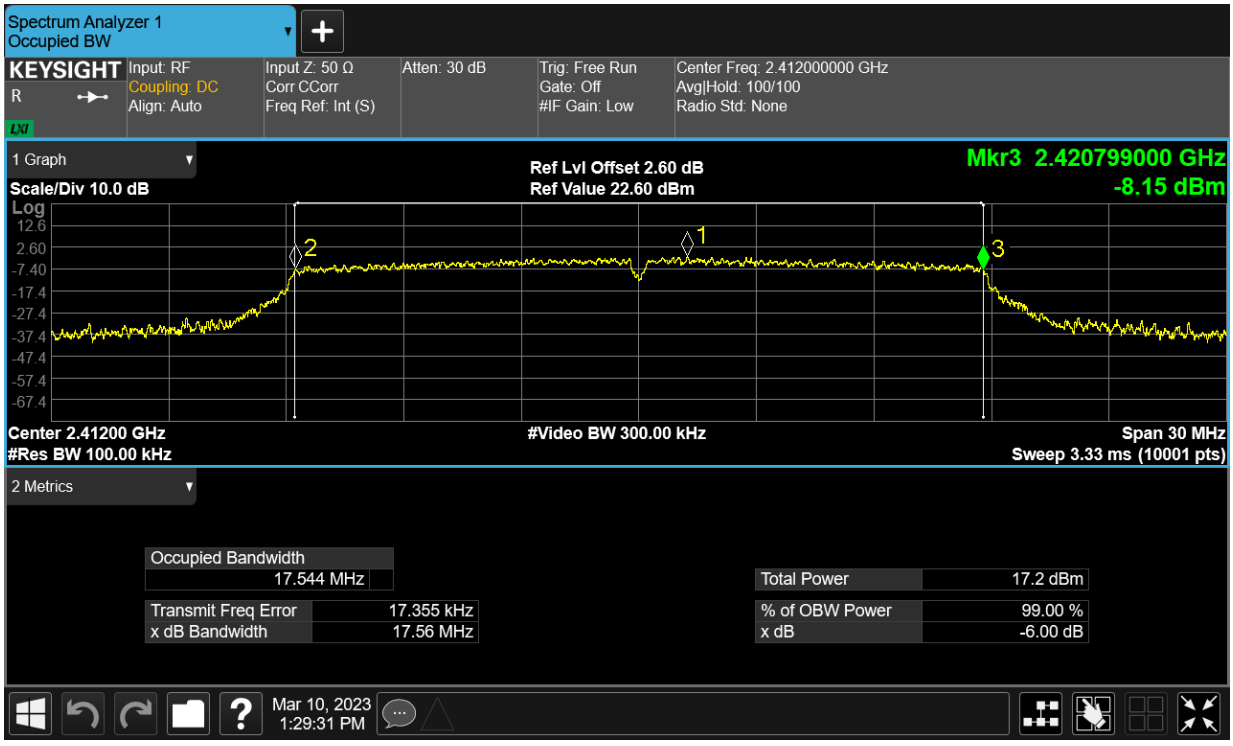
-6dB Bandwidth NVNT g 2437MHz Ant7



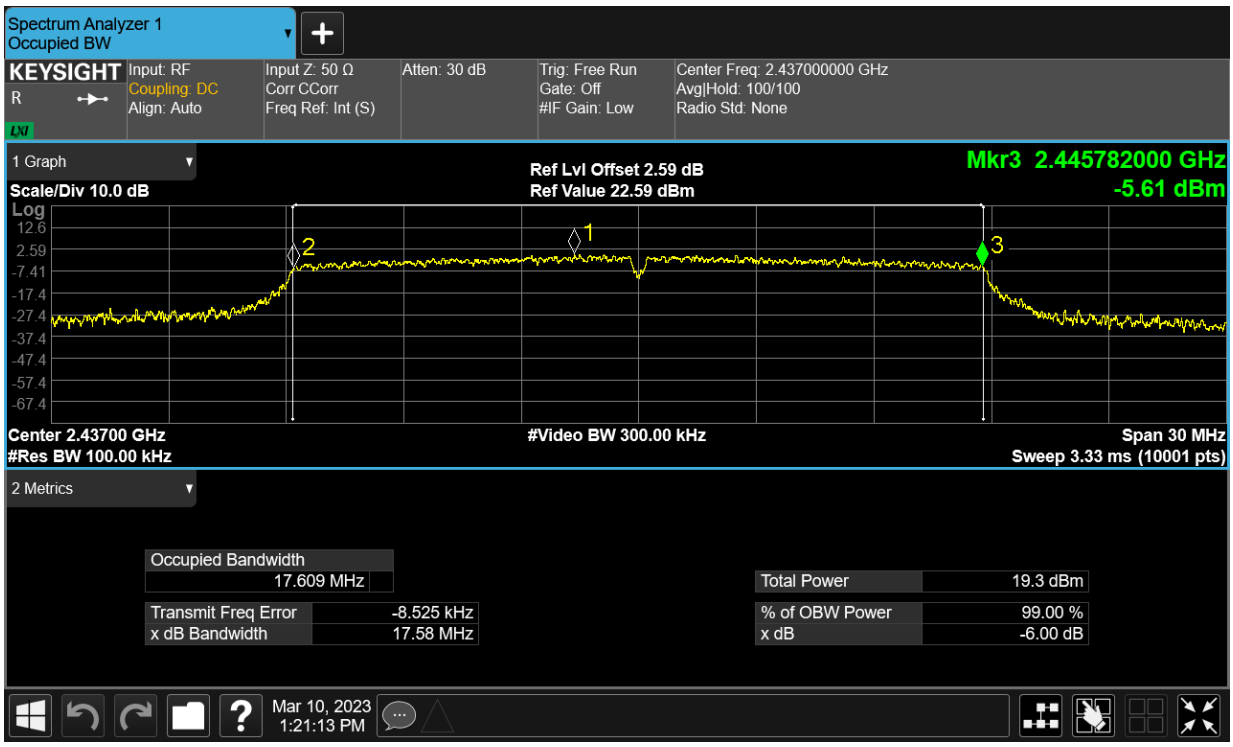
-6dB Bandwidth NVNT g 2462MHz Ant7



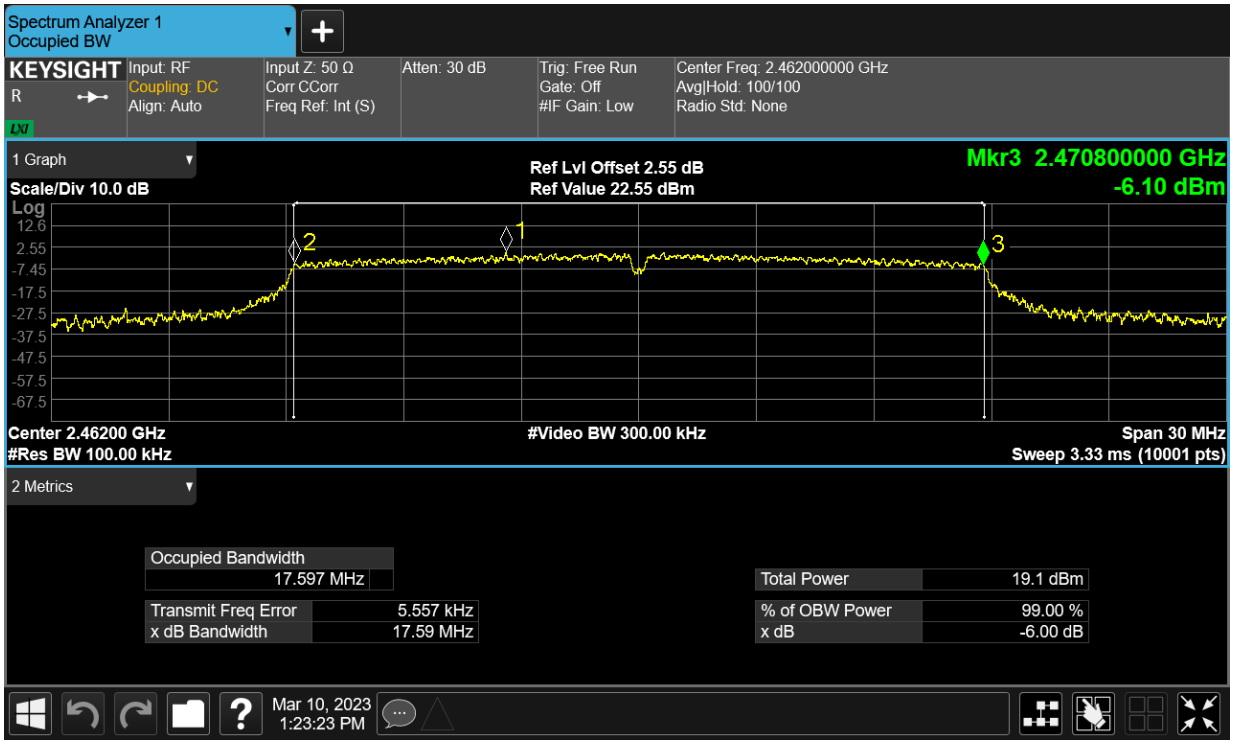
-6dB Bandwidth NVNT n20 2412MHz Ant7



-6dB Bandwidth NVNT n20 2437MHz Ant7

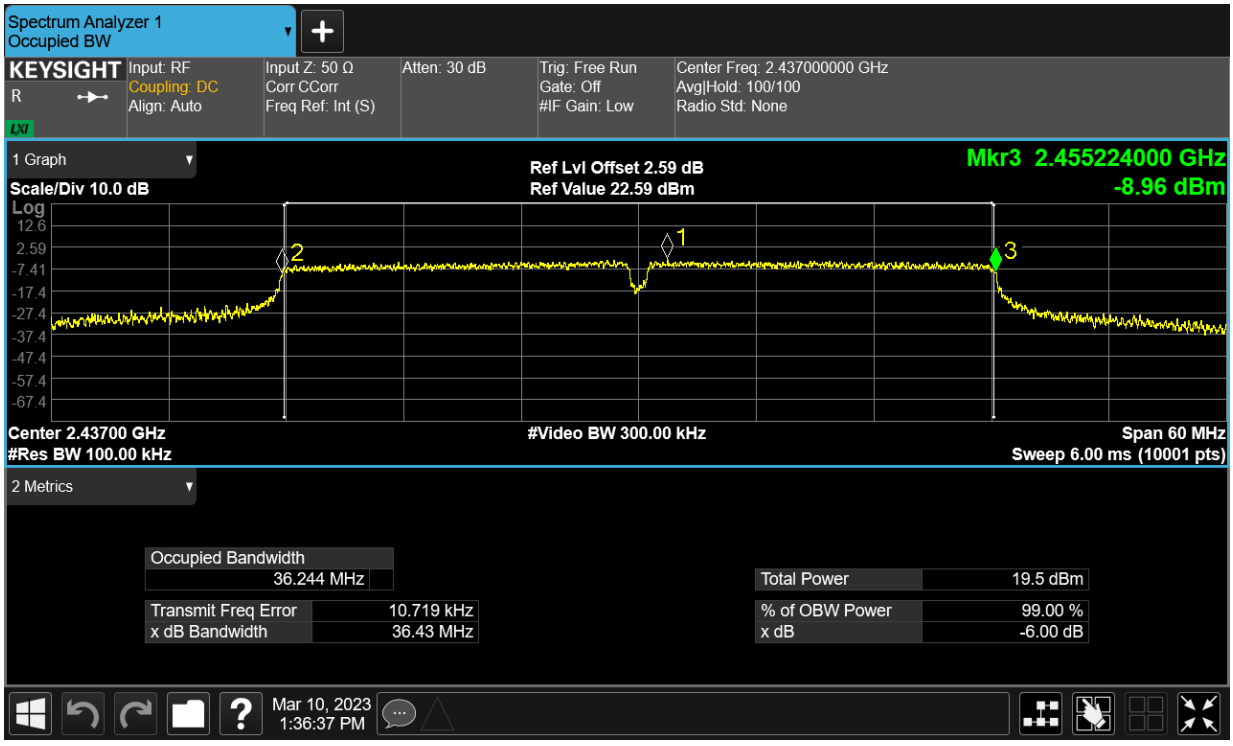


-6dB Bandwidth NVNT n20 2462MHz Ant7

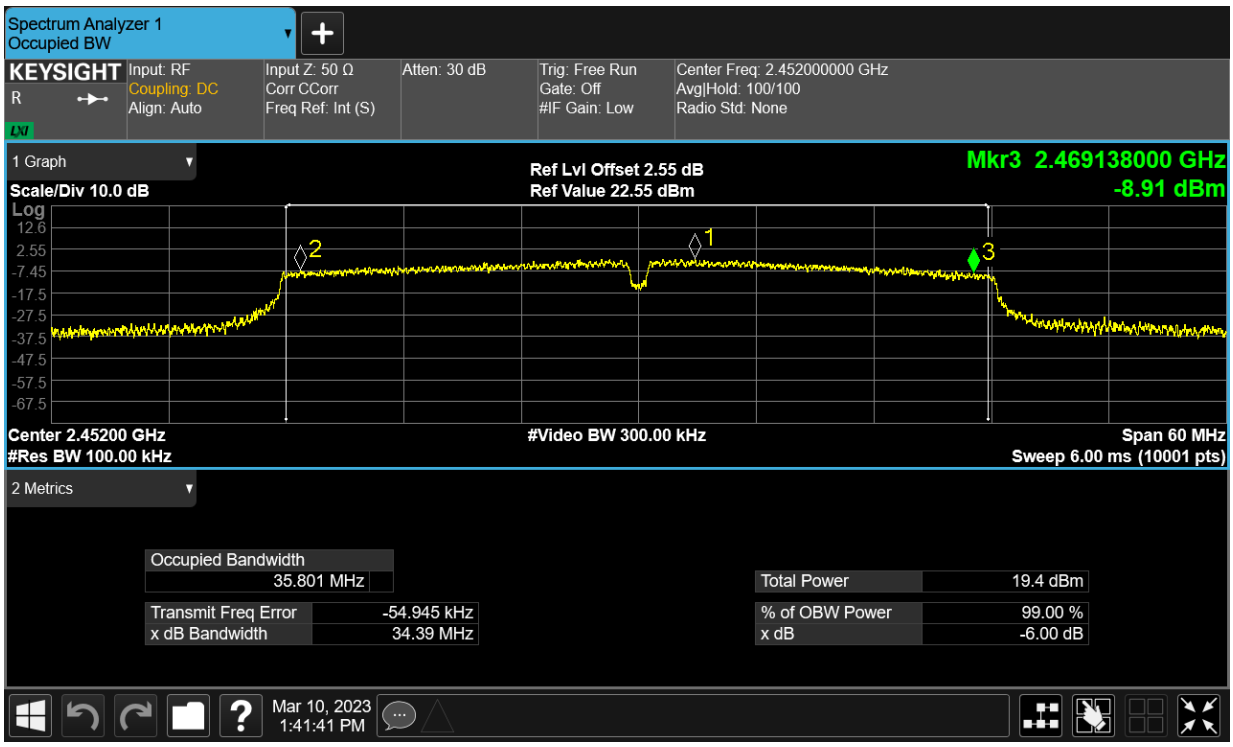


-6dB Bandwidth NVNT n40 2422MHz Ant7

-6dB Bandwidth NVNT n40 2437MHz Ant7



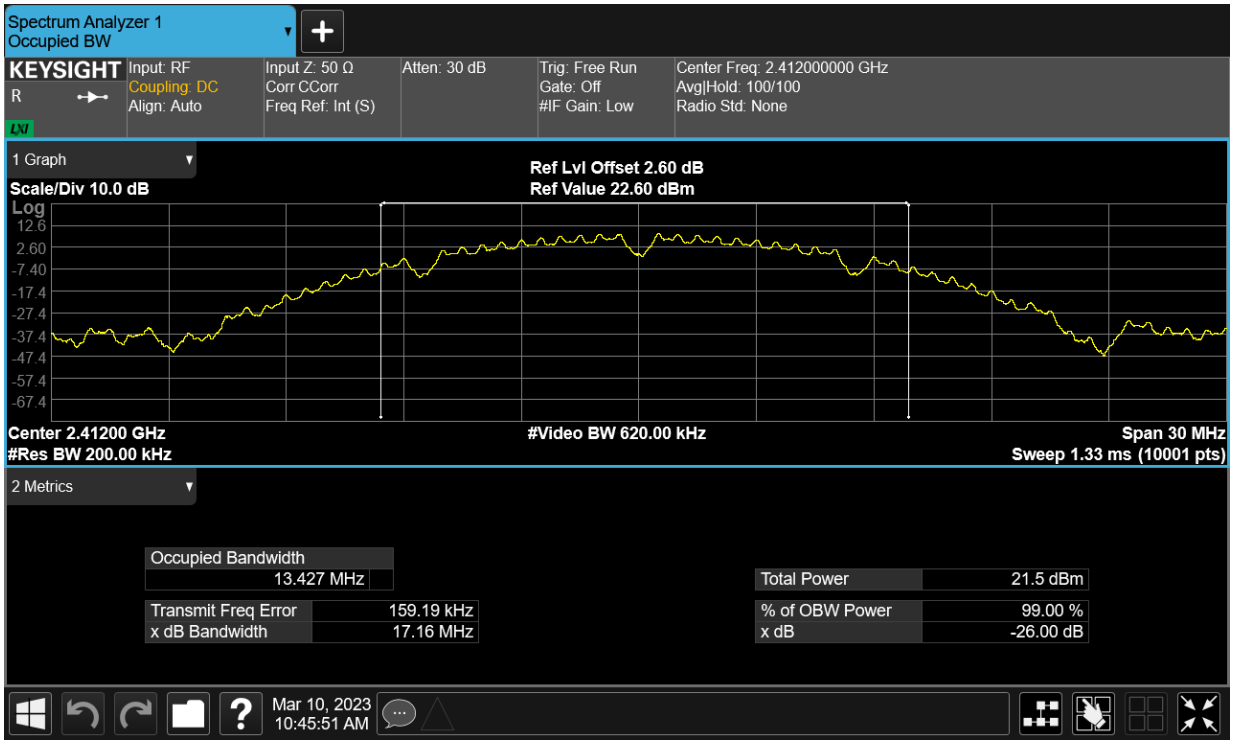
-6dB Bandwidth NVNT n40 2452MHz Ant7



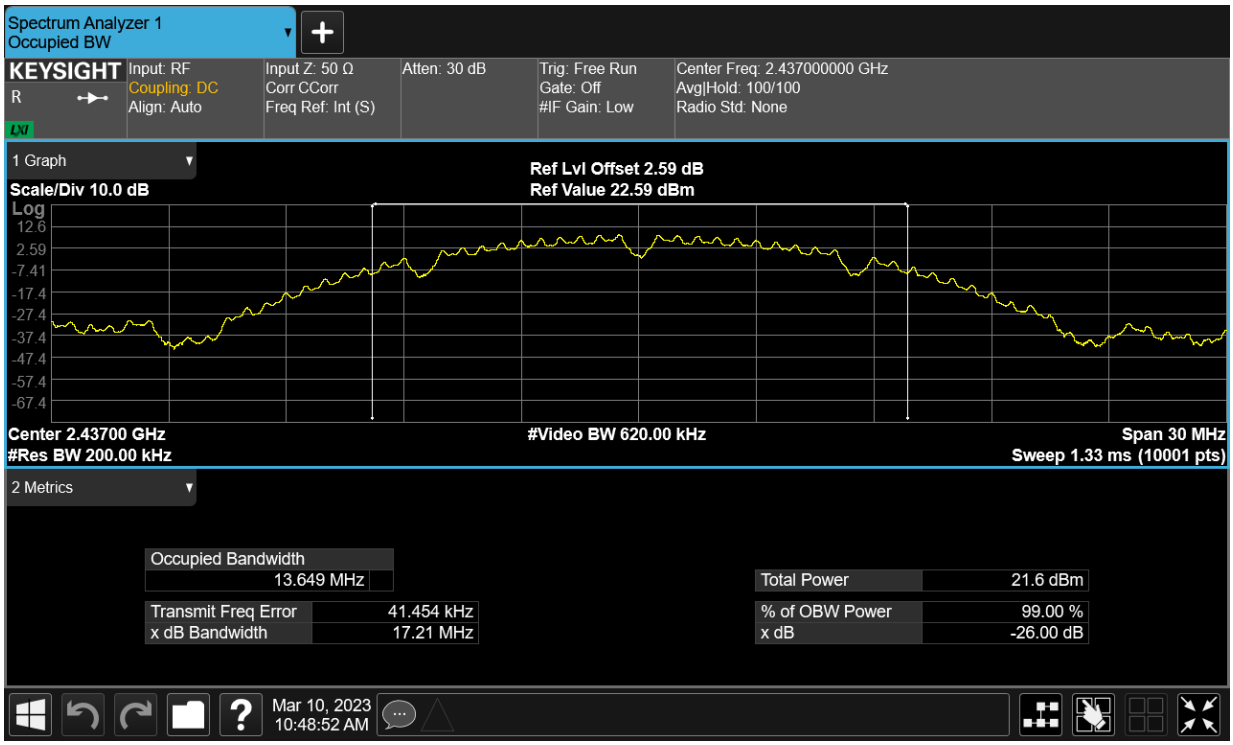
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant7	13.427
NVNT	b	2437	Ant7	13.649
NVNT	b	2462	Ant7	13.932
NVNT	g	2412	Ant7	16.43
NVNT	g	2437	Ant7	16.502
NVNT	g	2462	Ant7	16.396
NVNT	n20	2412	Ant7	17.607
NVNT	n20	2437	Ant7	17.657
NVNT	n20	2462	Ant7	17.643
NVNT	n40	2422	Ant7	35.88
NVNT	n40	2437	Ant7	36.447
NVNT	n40	2452	Ant7	35.83

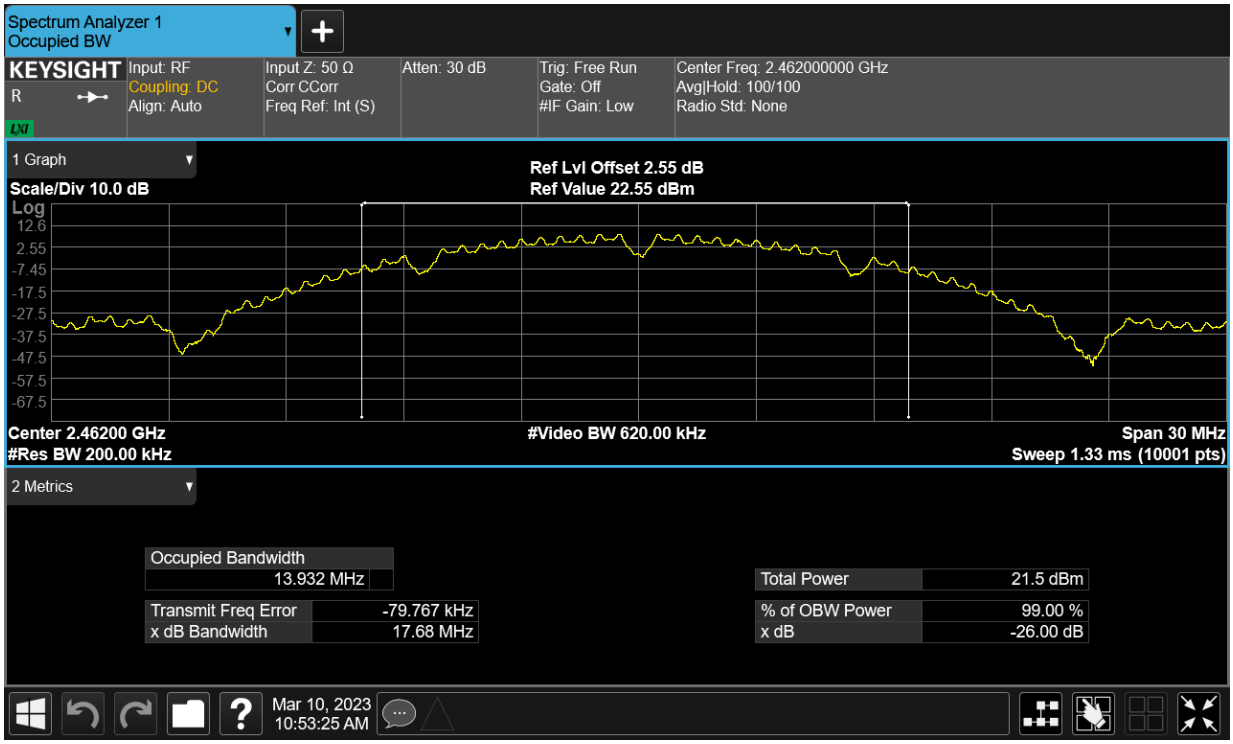
Test Graphs
OBW NVNT b 2412MHz Ant7



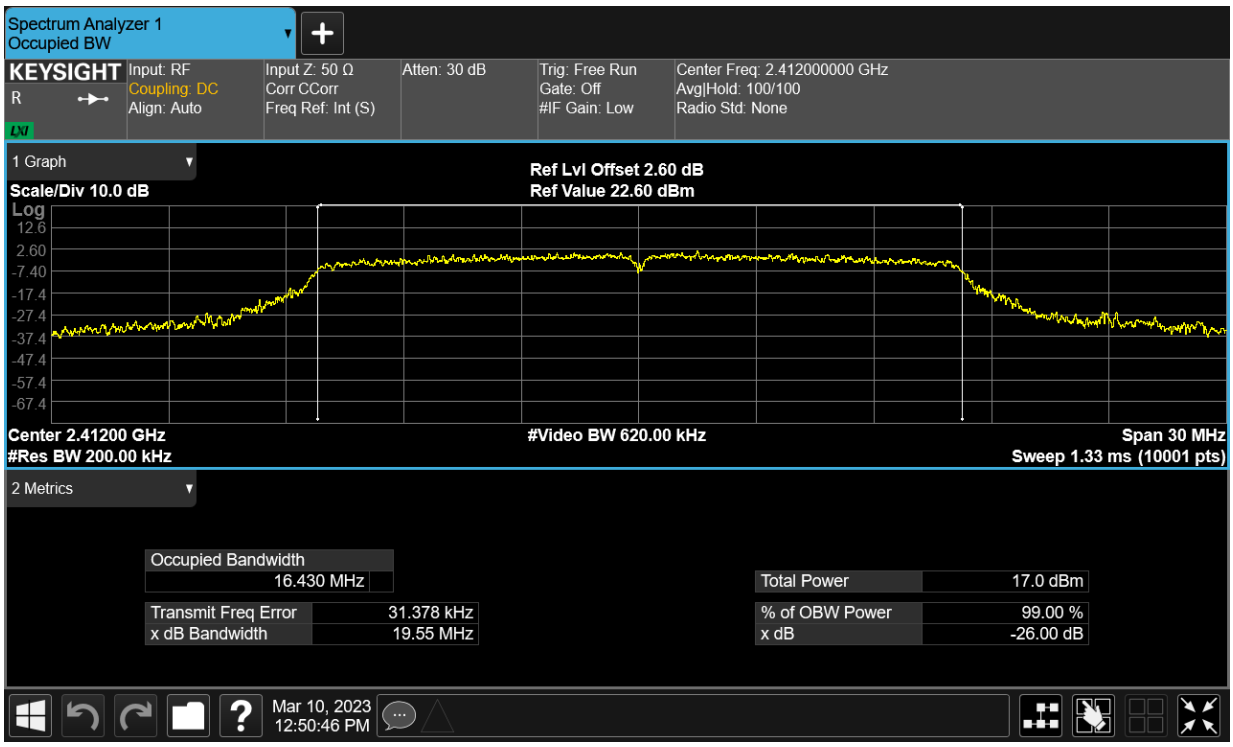
OBW NVNT b 2437MHz Ant7



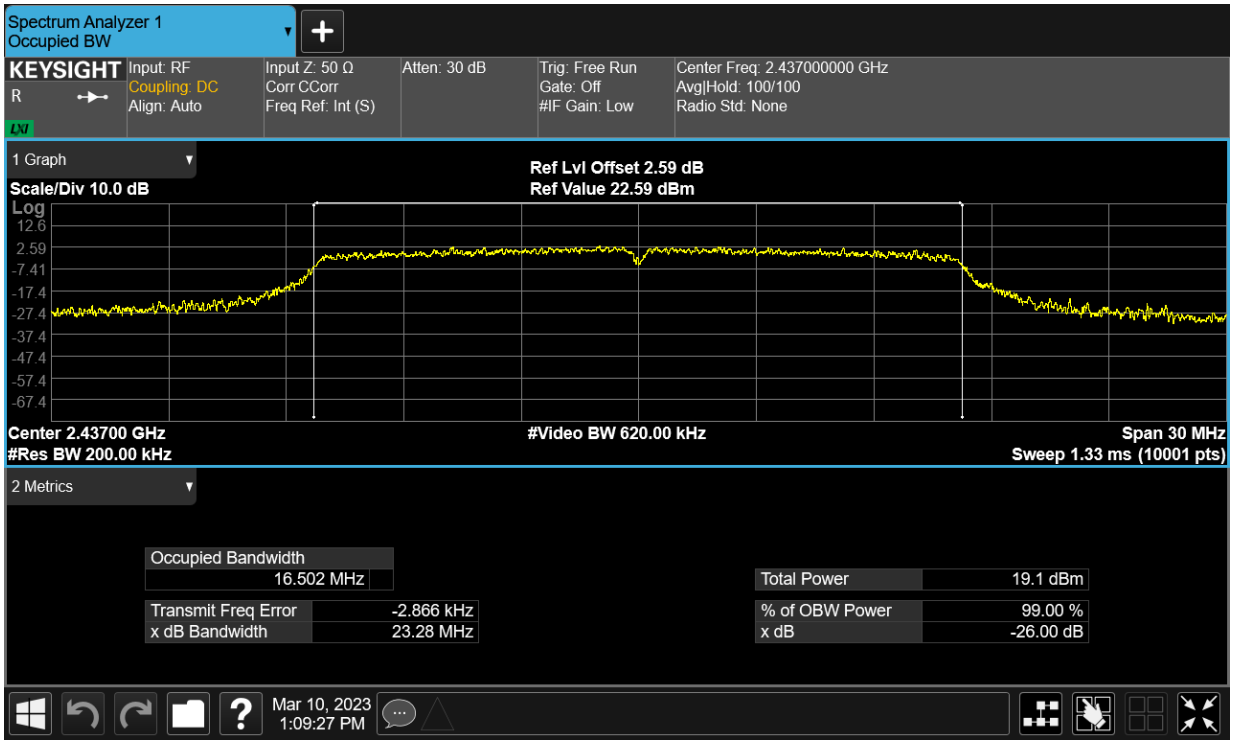
OBW NVNT b 2462MHz Ant7



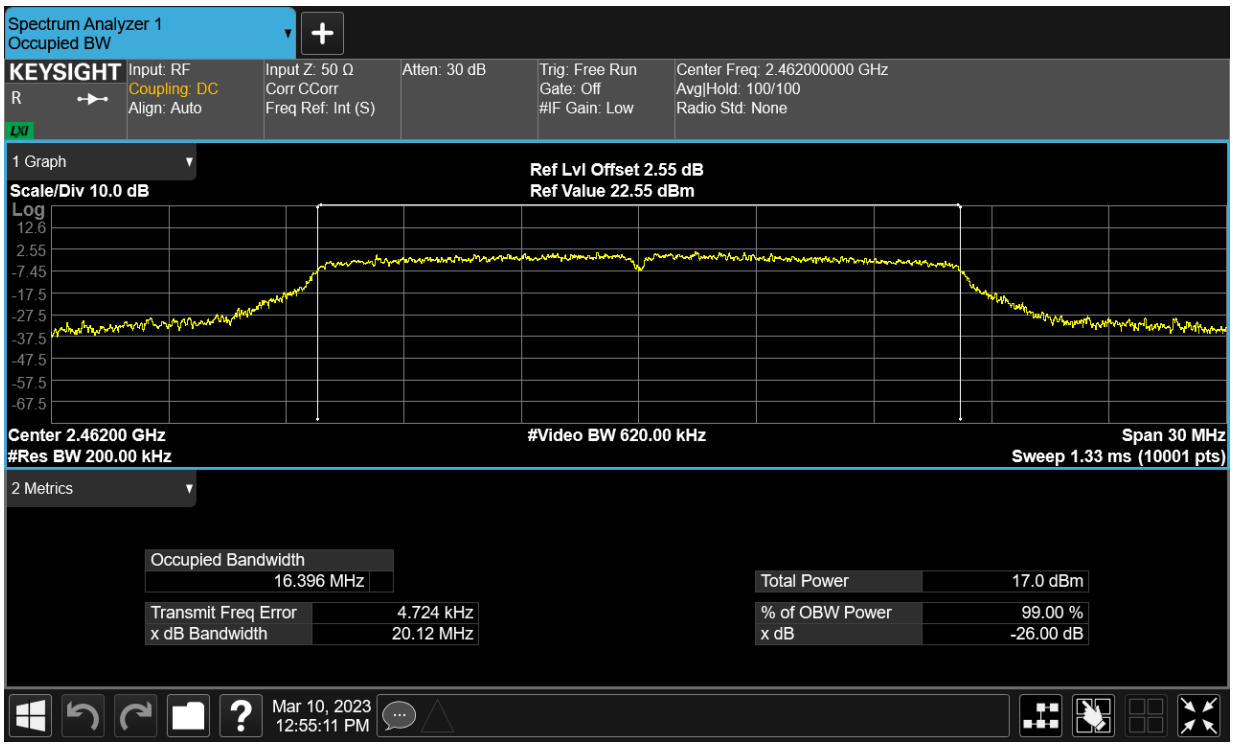
OBW NVNT g 2412MHz Ant7



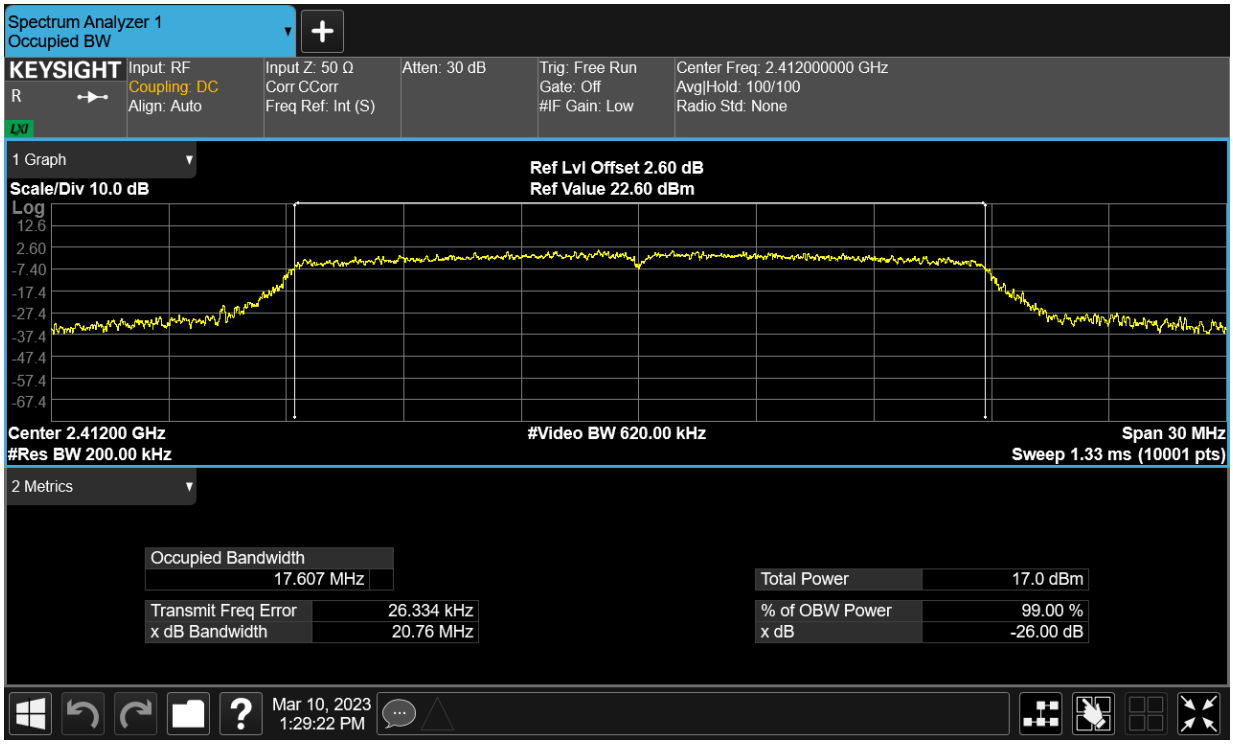
OBW NVNT g 2437MHz Ant7



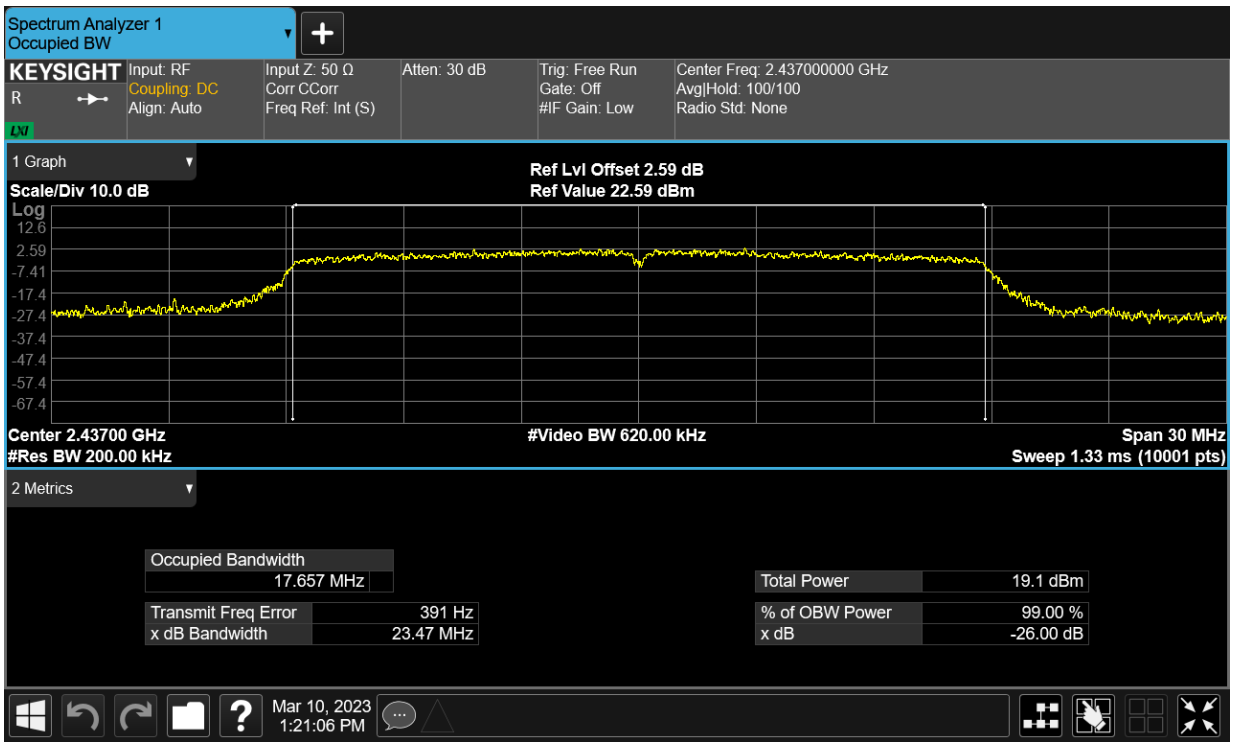
OBW NVNT g 2462MHz Ant7



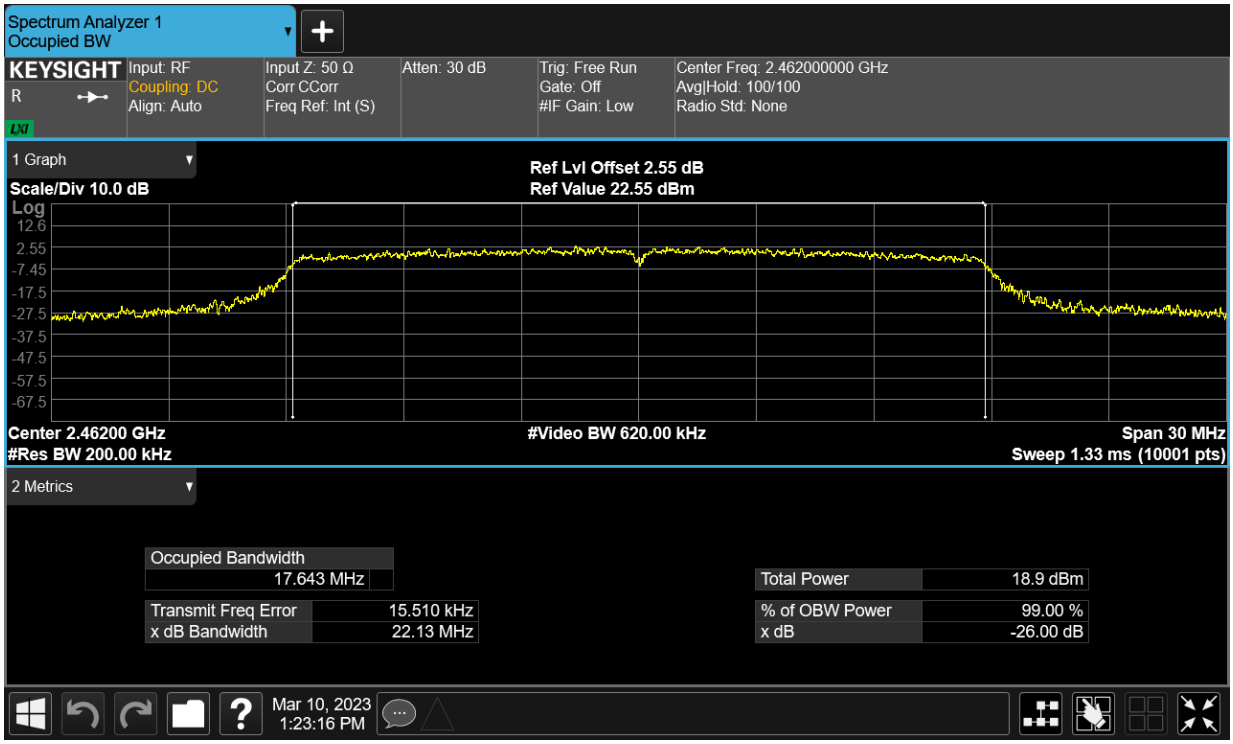
OBW NVNT n20 2412MHz Ant7



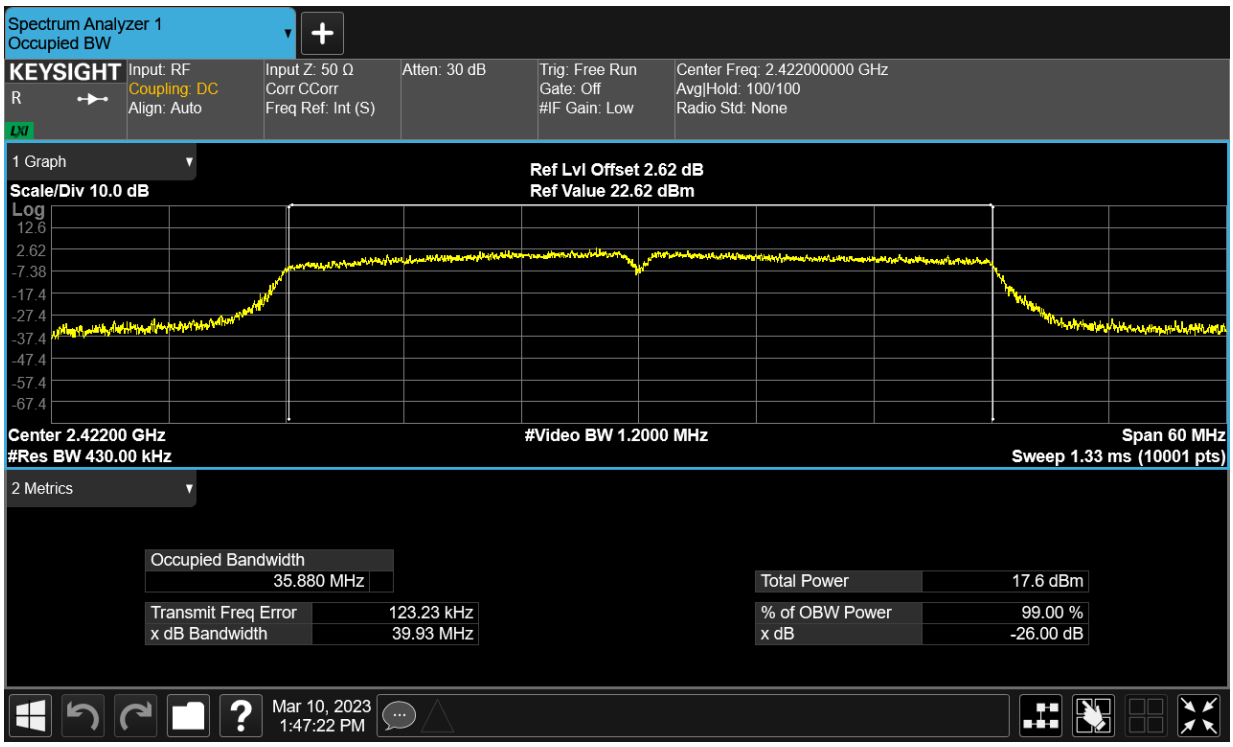
OBW NVNT n20 2437MHz Ant7



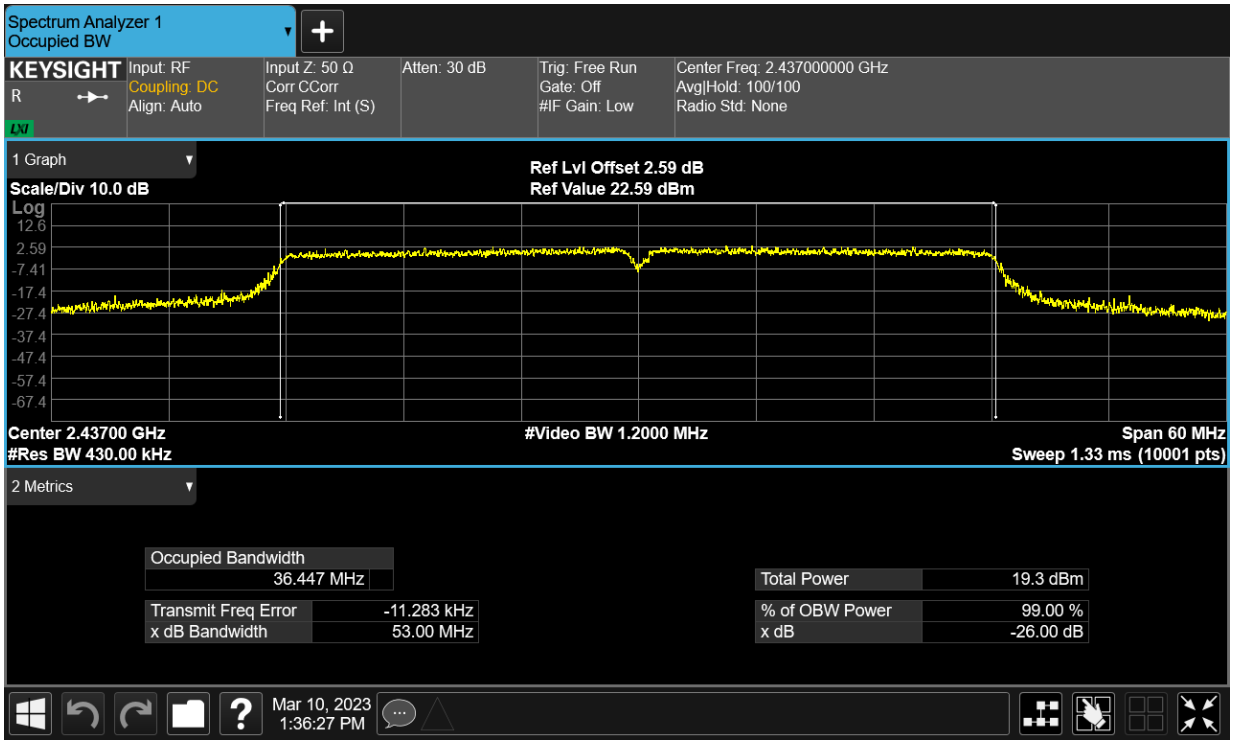
OBW NVNT n20 2462MHz Ant7



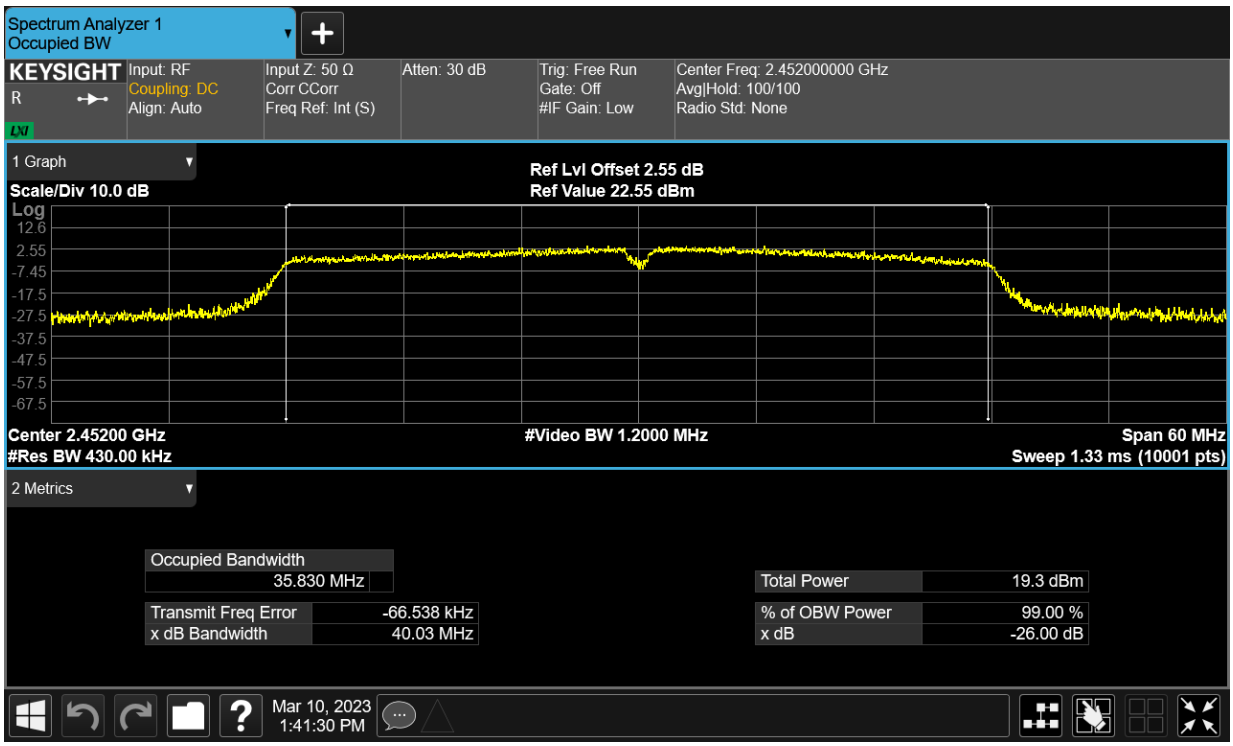
OBW NVNT n40 2422MHz Ant7



OBW NVNT n40 2437MHz Ant7



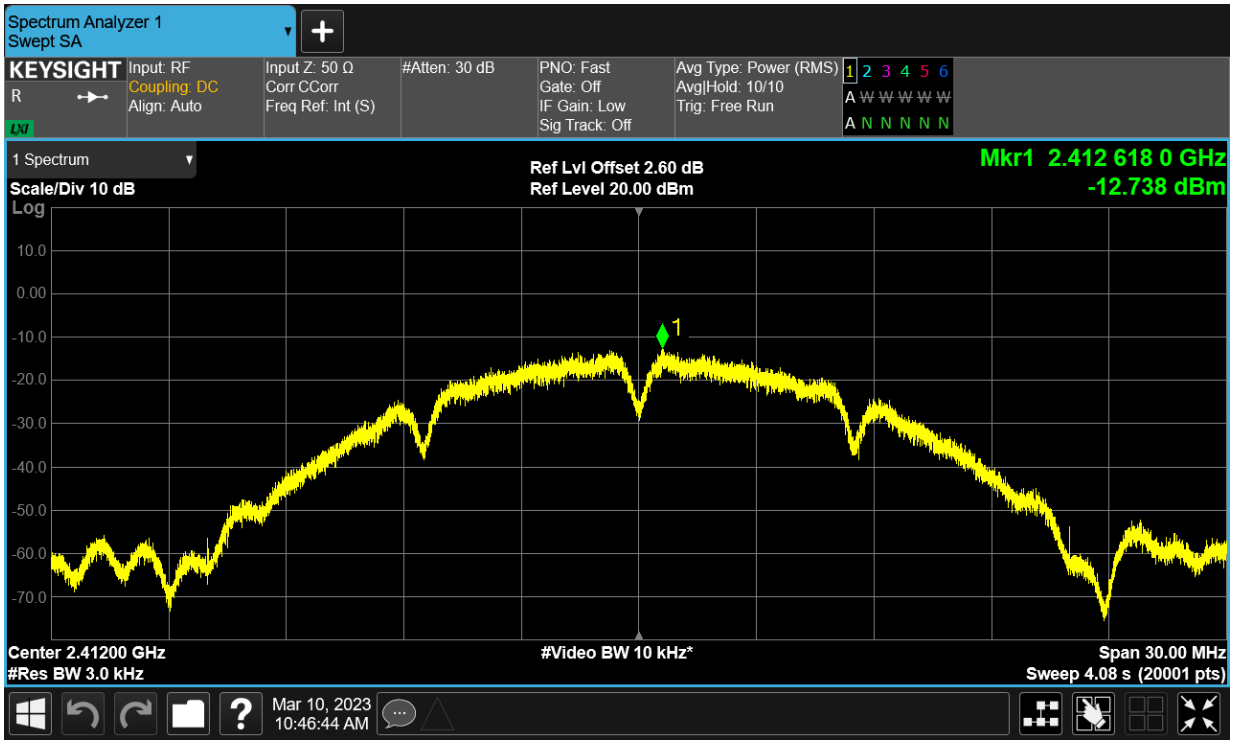
OBW NVNT n40 2452MHz Ant7



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant7	-12.738	8	Pass
NVNT	b	2437	Ant7	-13.082	8	Pass
NVNT	b	2462	Ant7	-12.854	8	Pass
NVNT	g	2412	Ant7	-19.863	8	Pass
NVNT	g	2437	Ant7	-17.857	8	Pass
NVNT	g	2462	Ant7	-20.289	8	Pass
NVNT	n20	2412	Ant7	-20.247	8	Pass
NVNT	n20	2437	Ant7	-18.517	8	Pass
NVNT	n20	2462	Ant7	-18.511	8	Pass
NVNT	n40	2422	Ant7	-22.477	8	Pass
NVNT	n40	2437	Ant7	-21.753	8	Pass
NVNT	n40	2452	Ant7	-19.508	8	Pass

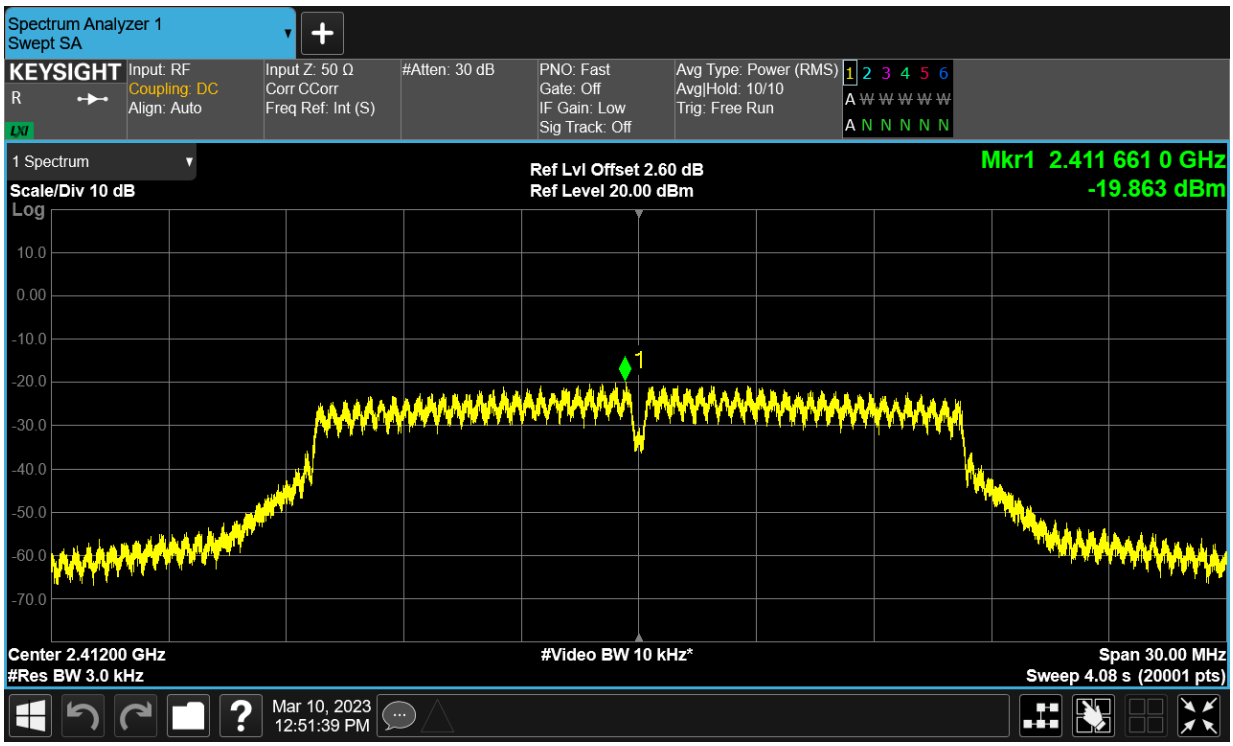
Test Graphs
PSD NVNT b 2412MHz Ant7



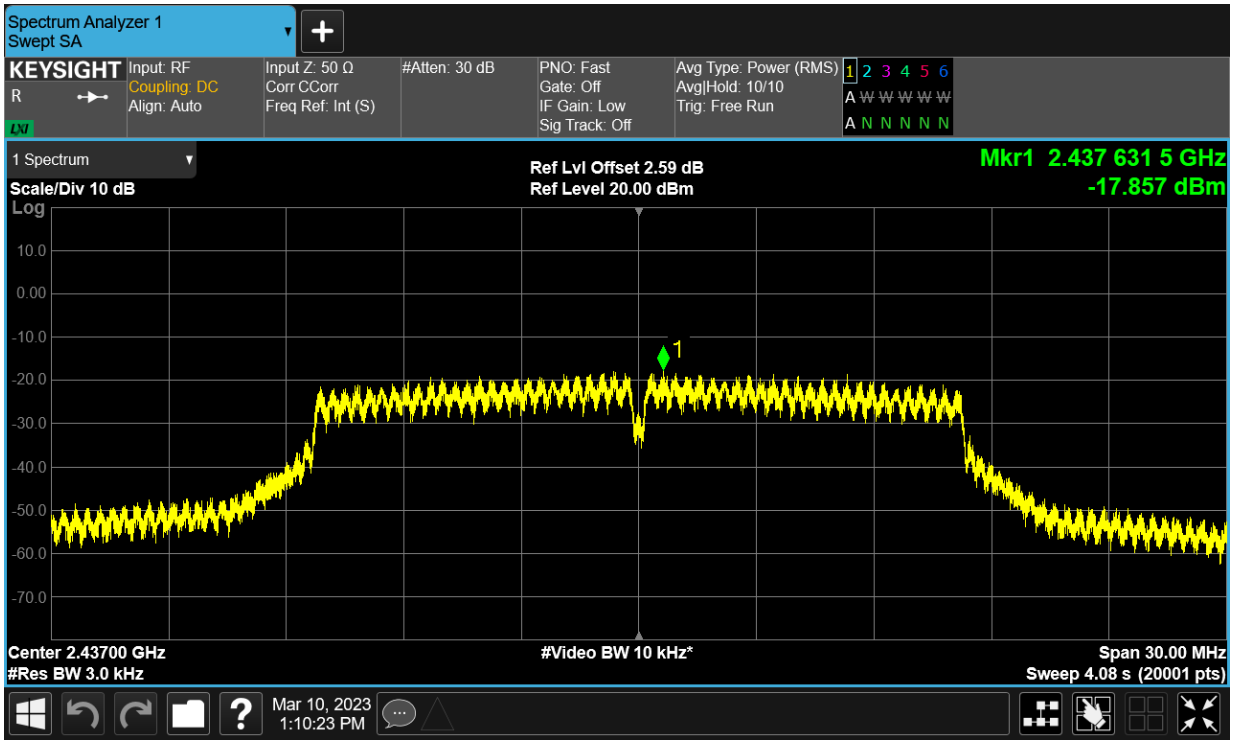
PSD NVNT b 2437MHz Ant7

PSD NVNT b 2462MHz Ant7

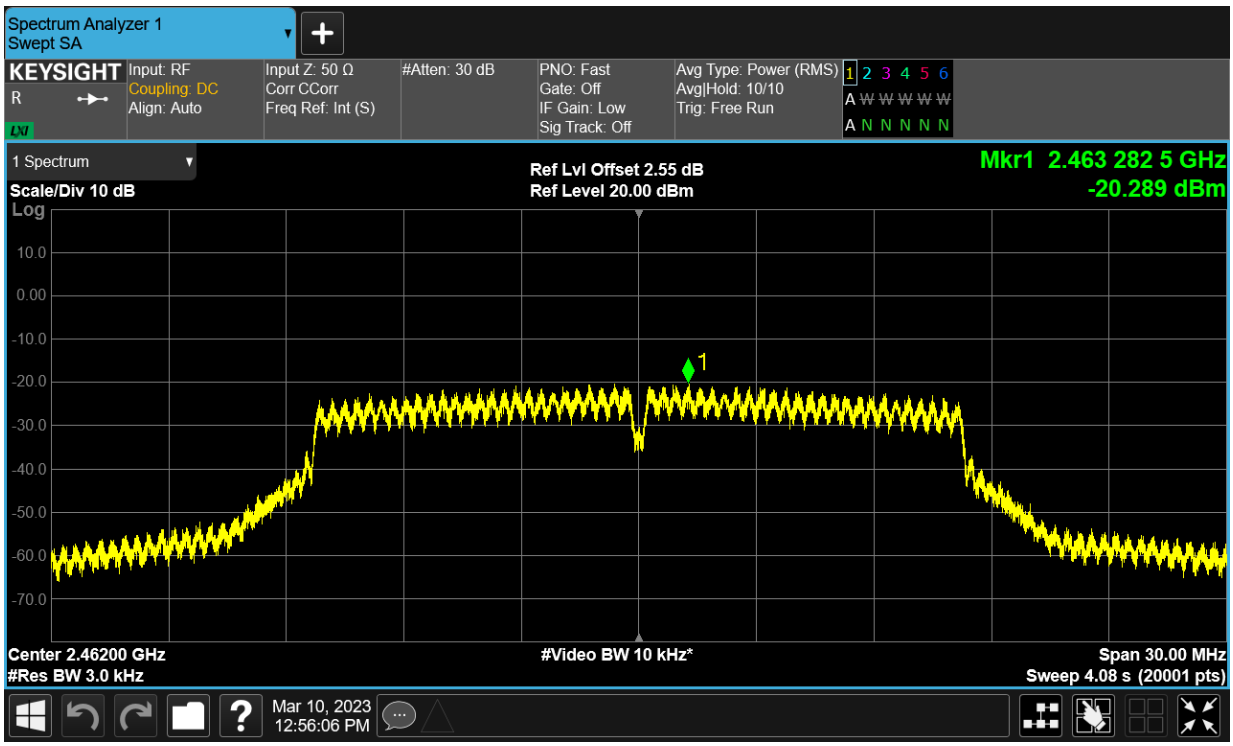
PSD NVNT g 2412MHz Ant7



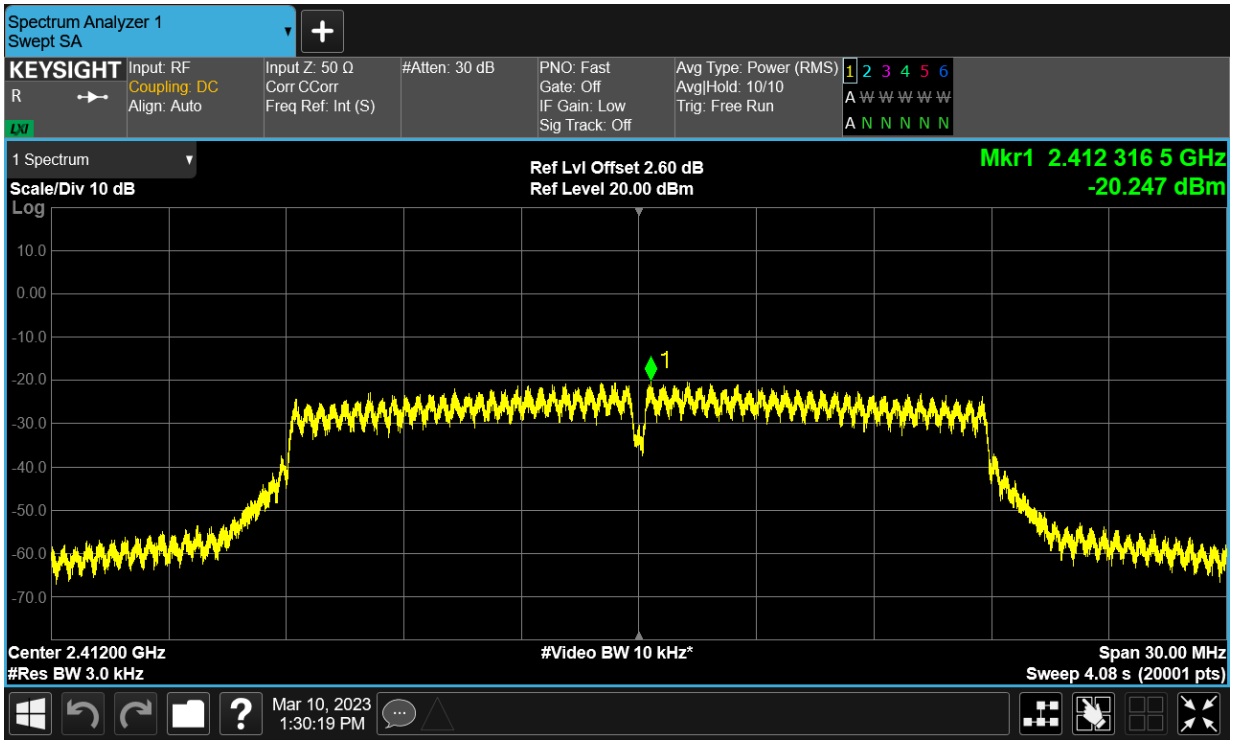
PSD NVNT g 2437MHz Ant7



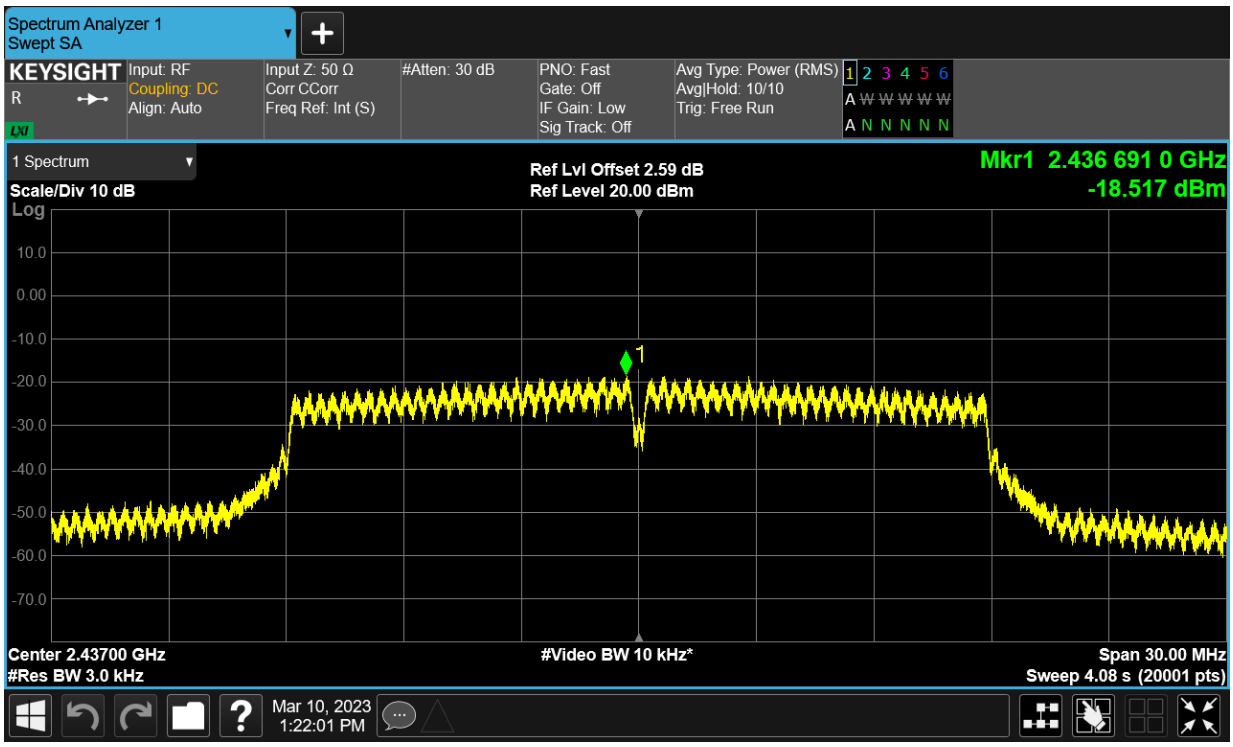
PSD NVNT g 2462MHz Ant7



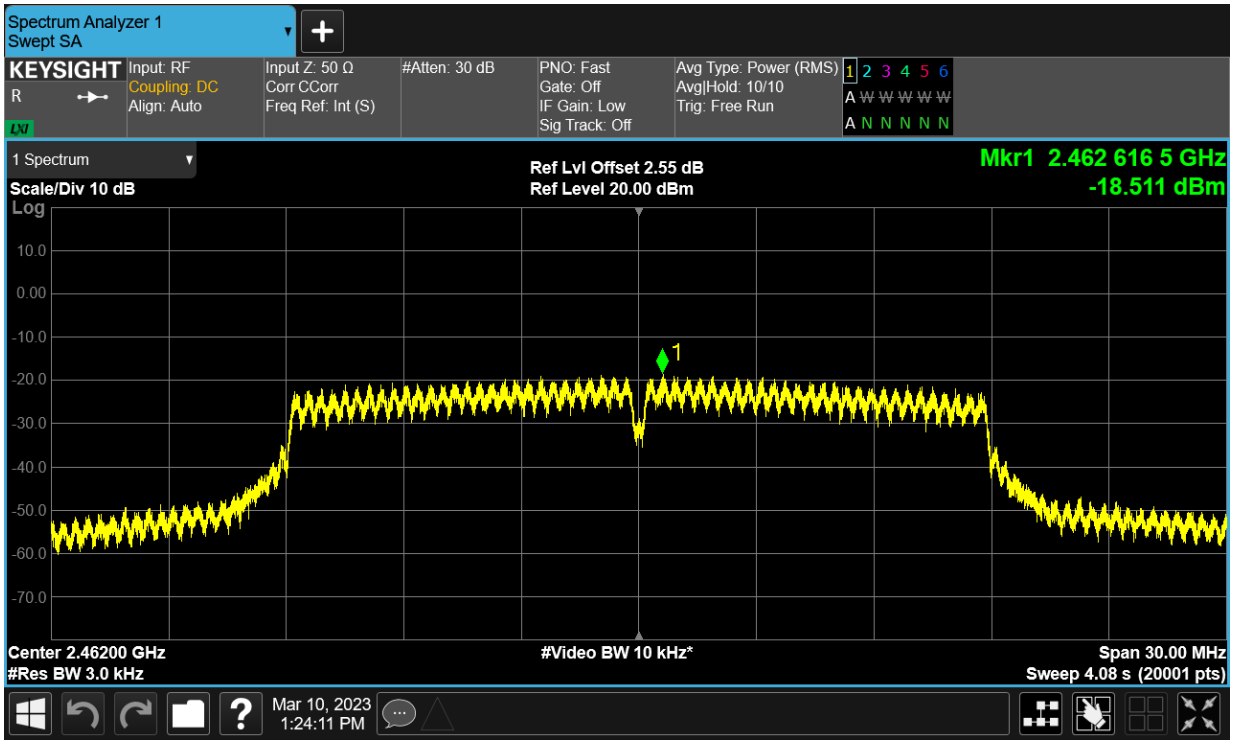
PSD NVNT n20 2412MHz Ant7



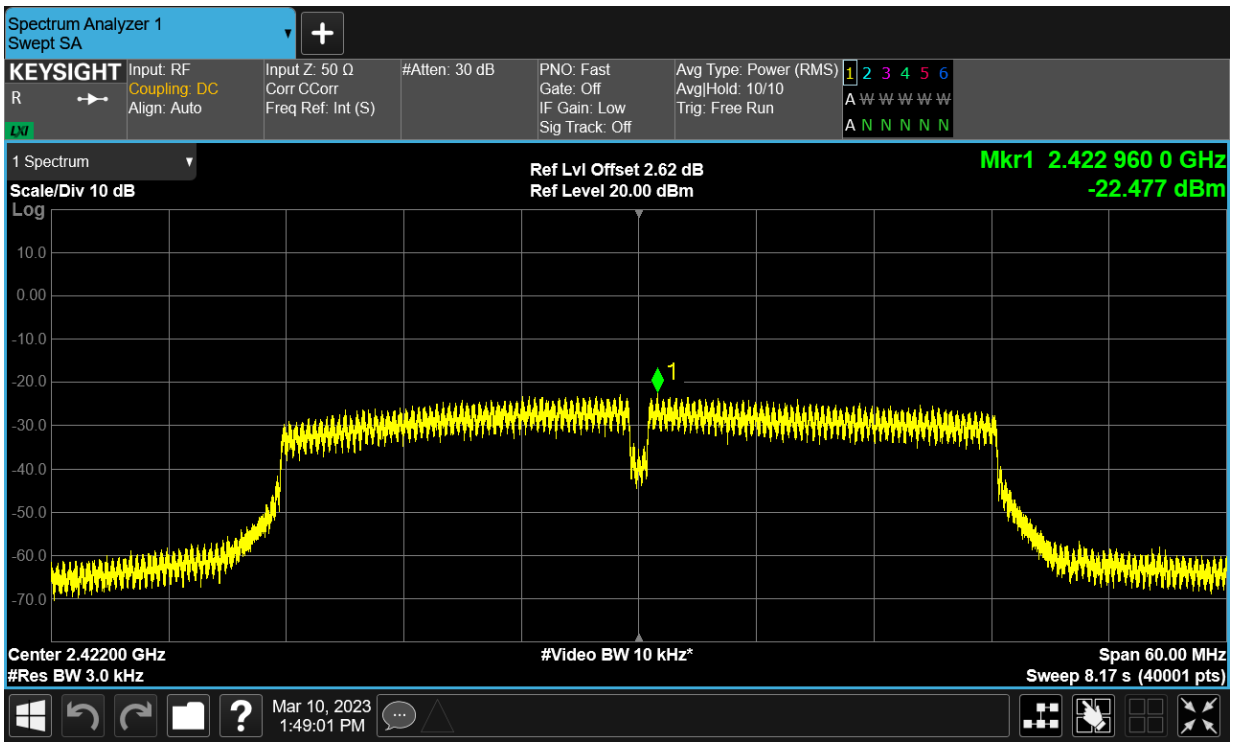
PSD NVNT n20 2437MHz Ant7



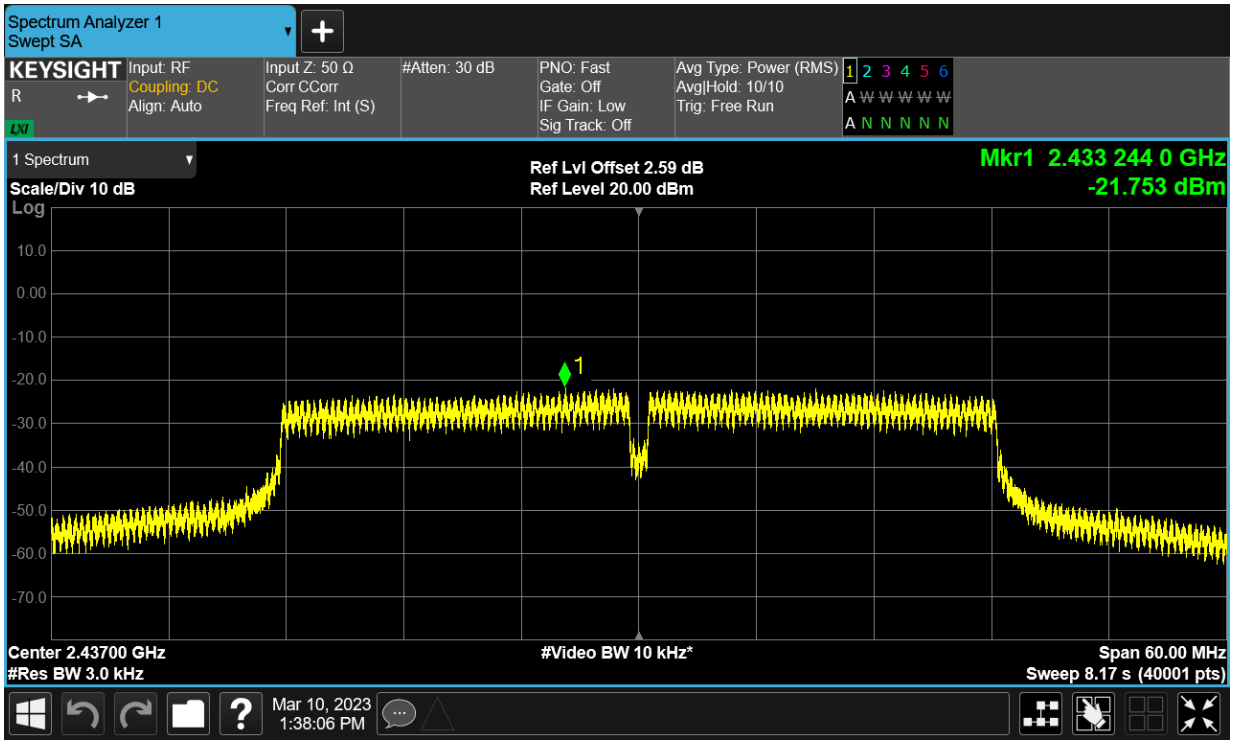
PSD NVNT n20 2462MHz Ant7



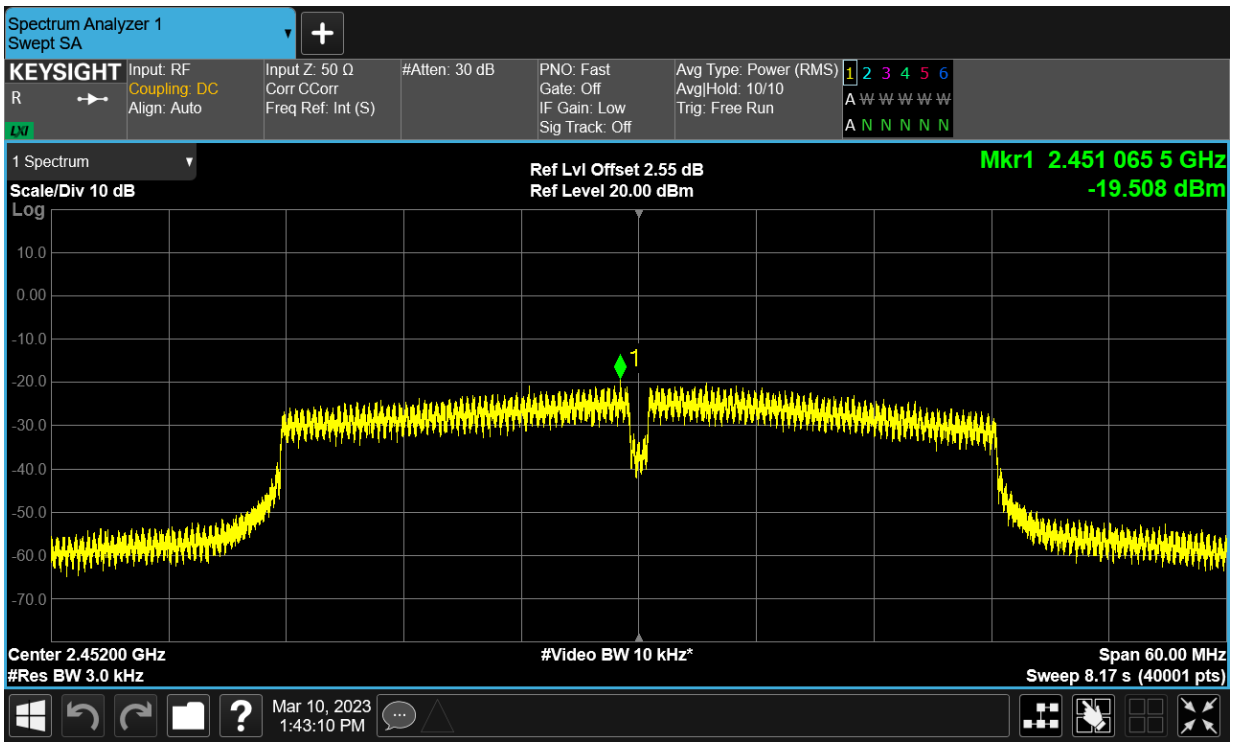
PSD NVNT n40 2422MHz Ant7



PSD NVNT n40 2437MHz Ant7



PSD NVNT n40 2452MHz Ant7

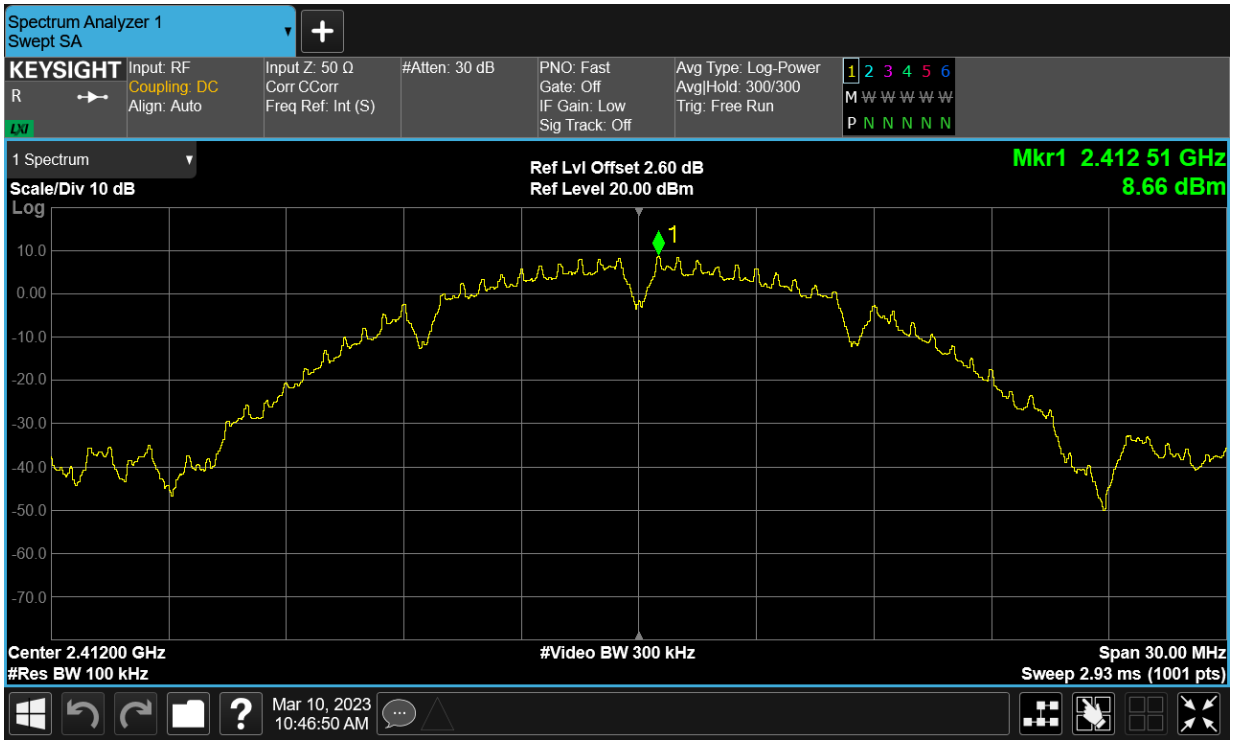


Band Edge

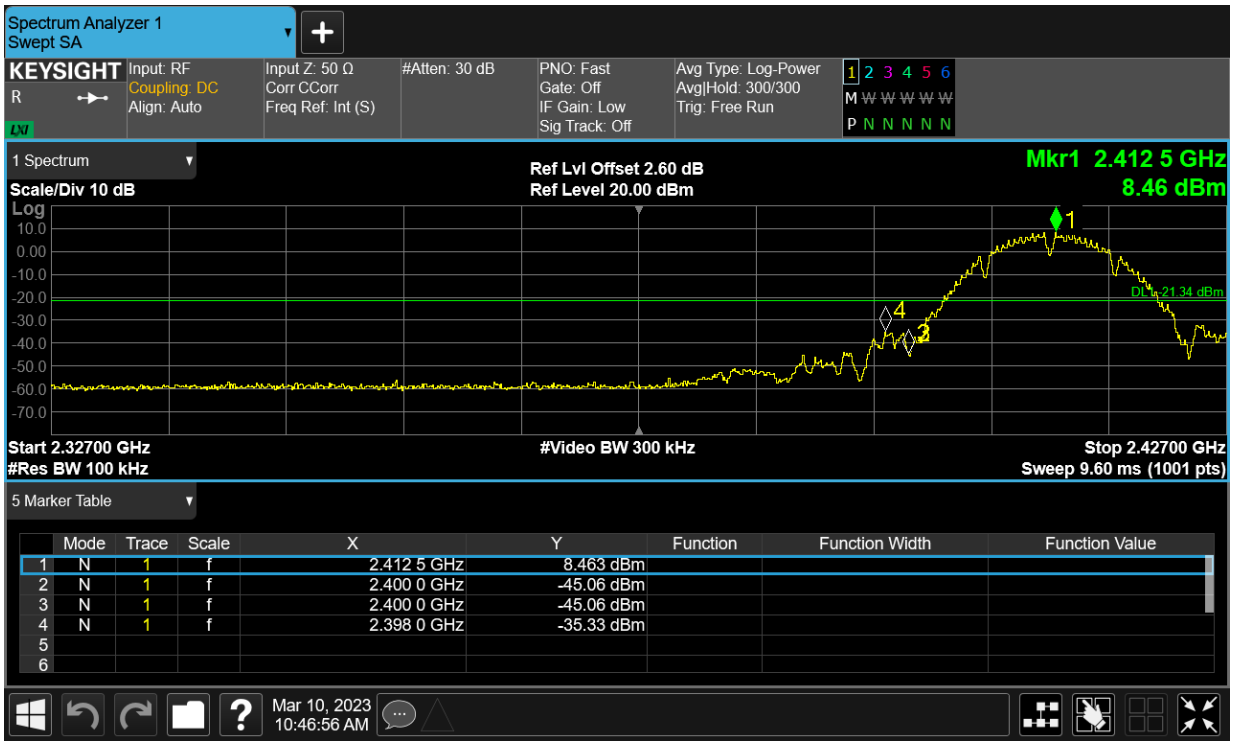
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant7	-43.99	-30	Pass
NVNT	b	2462	Ant7	-51.72	-30	Pass
NVNT	g	2412	Ant7	-30.27	-30	Pass
NVNT	g	2462	Ant7	-39.75	-30	Pass
NVNT	n20	2412	Ant7	-30.27	-30	Pass
NVNT	n20	2462	Ant7	-37.56	-30	Pass
NVNT	n40	2422	Ant7	-31.5	-30	Pass
NVNT	n40	2452	Ant7	-33.87	-30	Pass

Test Graphs

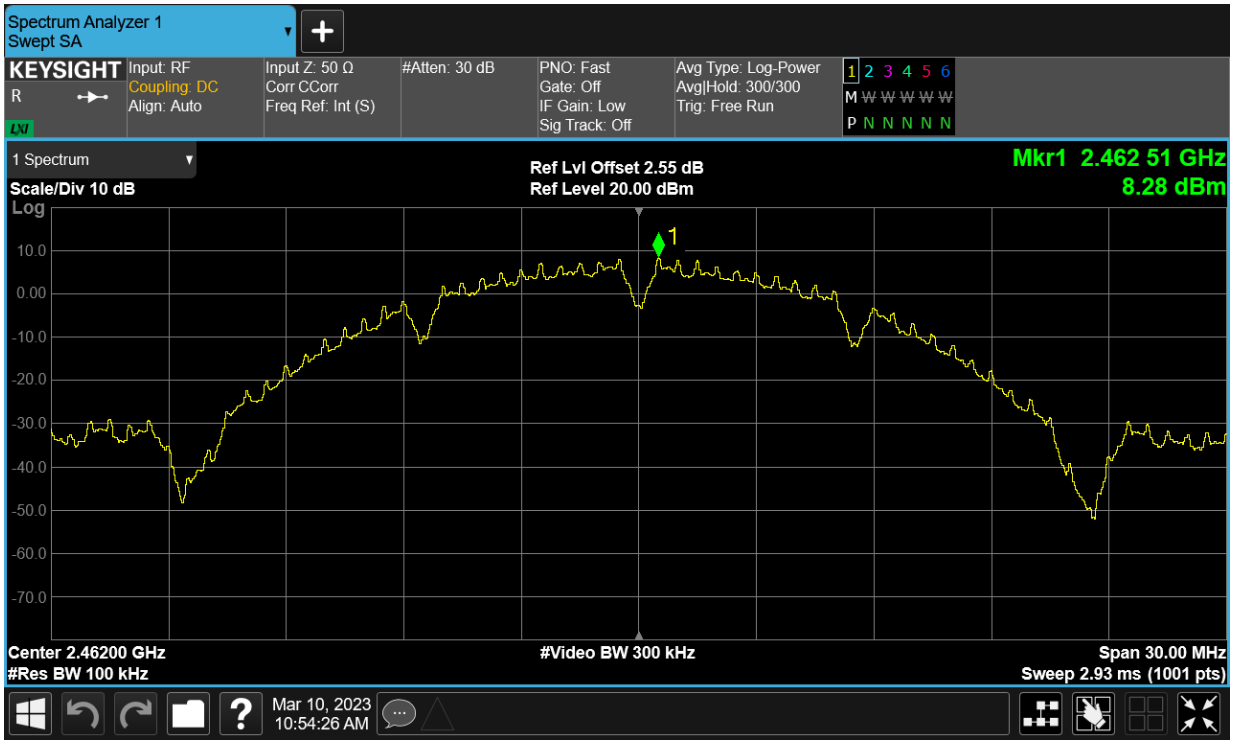
Band Edge NVNT b 2412MHz Ant7 Ref



Band Edge NVNT b 2412MHz Ant7 Emission

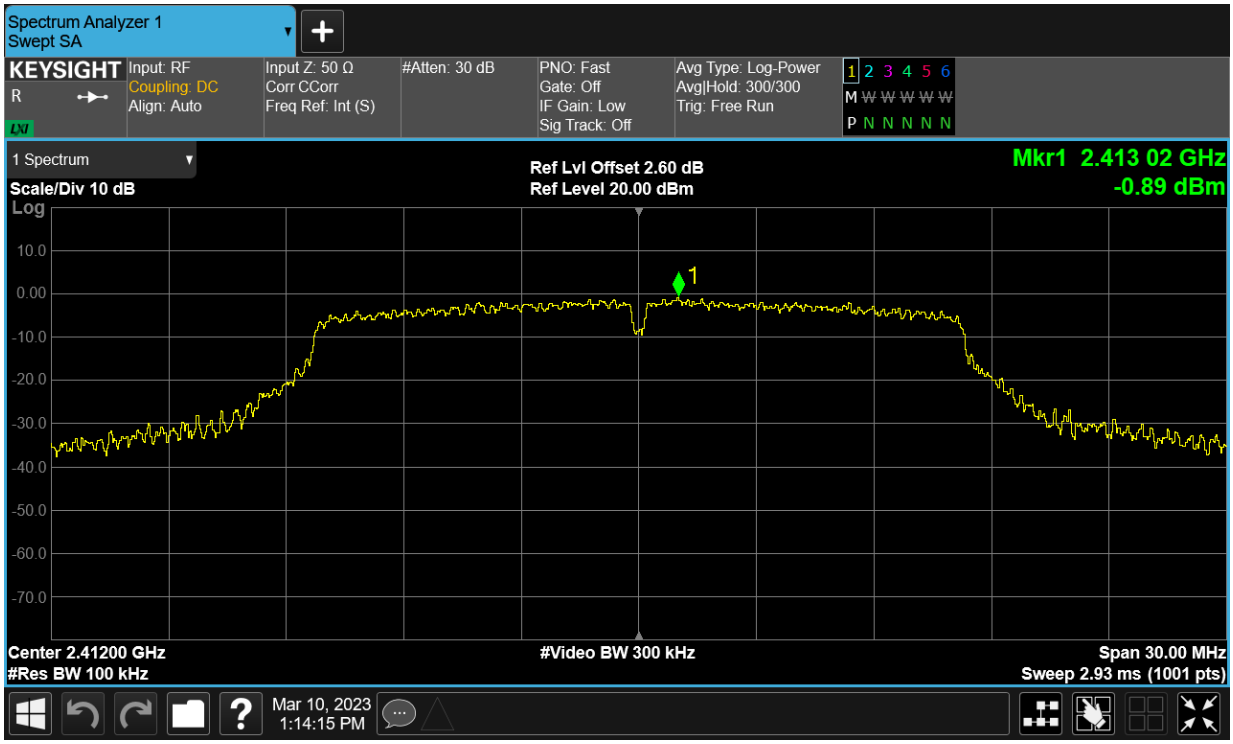


Band Edge NVNT b 2462MHz Ant7 Ref

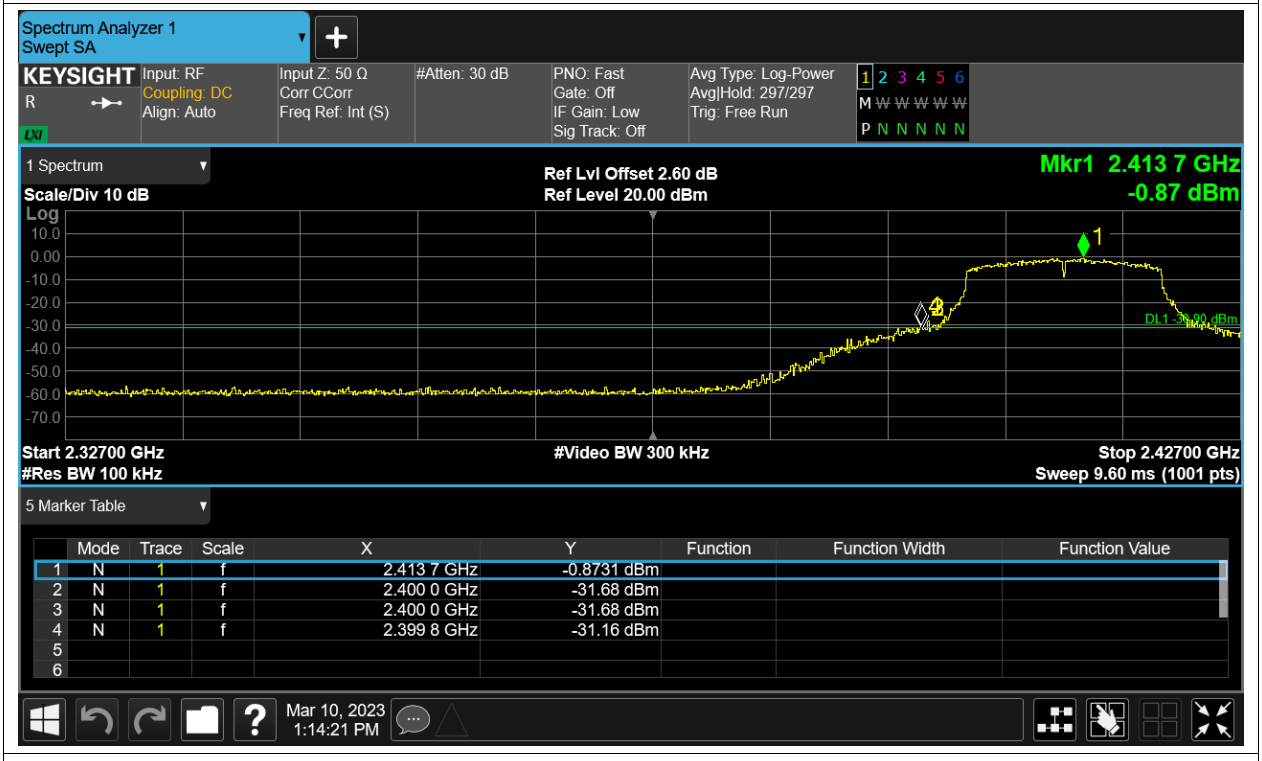


Band Edge NVNT b 2462MHz Ant7 Emission

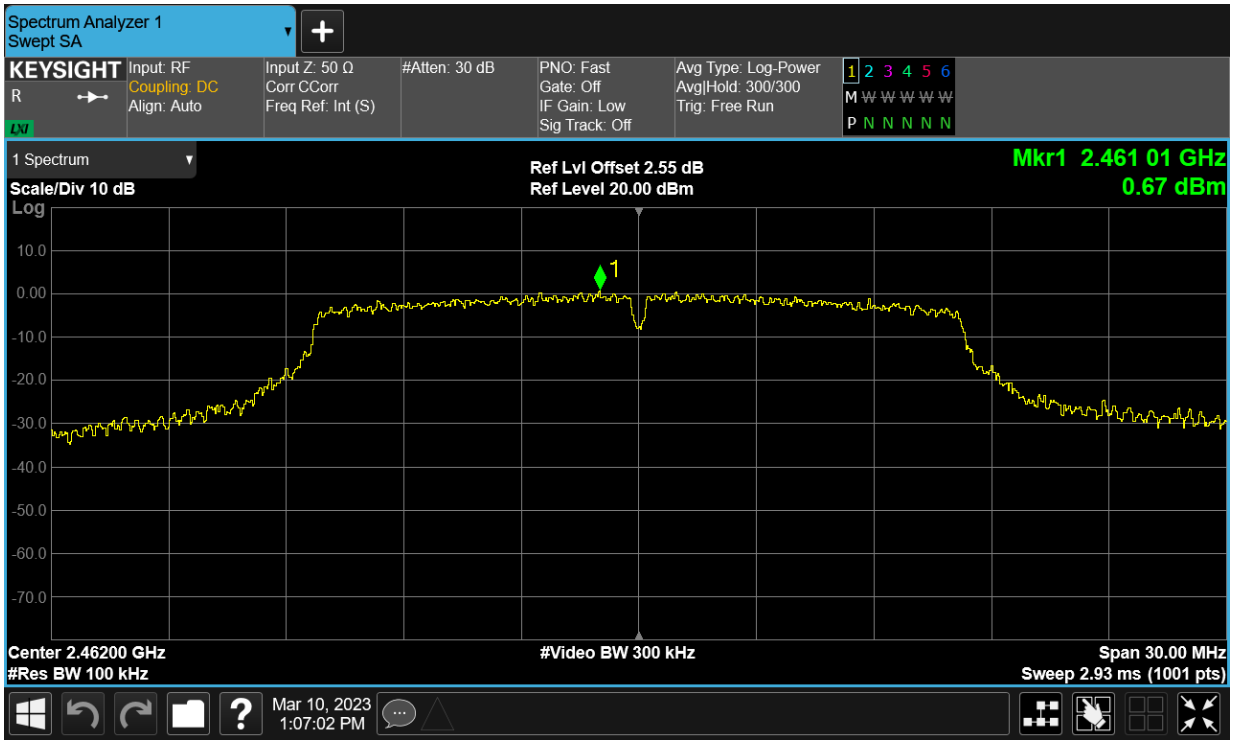
Band Edge NVNT g 2412MHz Ant7 Ref



Band Edge NVNT g 2412MHz Ant7 Emission

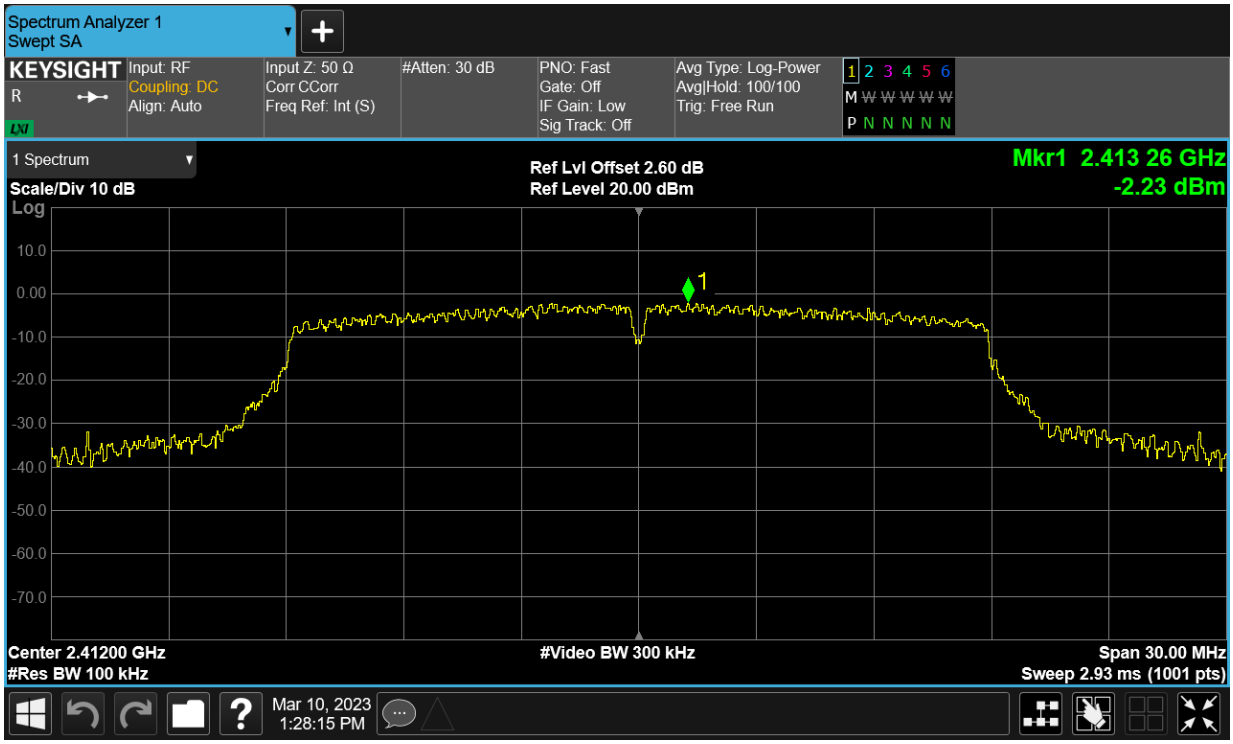


Band Edge NVNT g 2462MHz Ant7 Ref

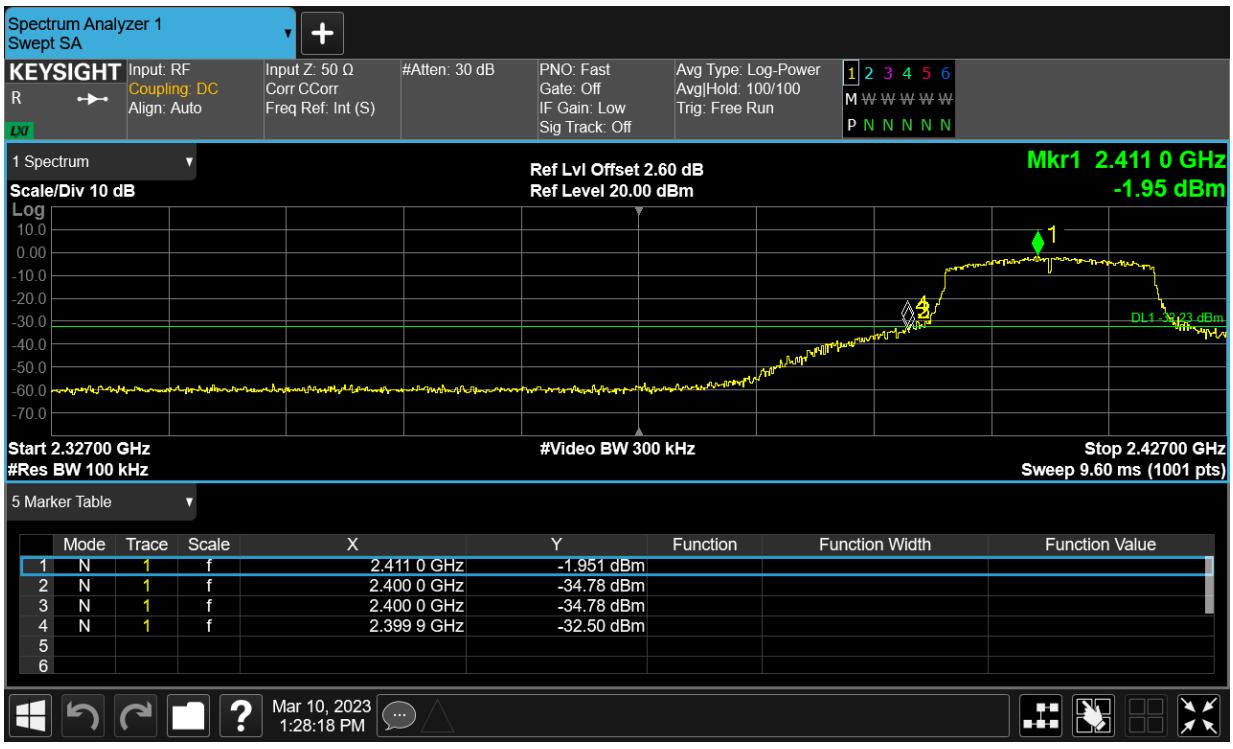


Band Edge NVNT g 2462MHz Ant7 Emission

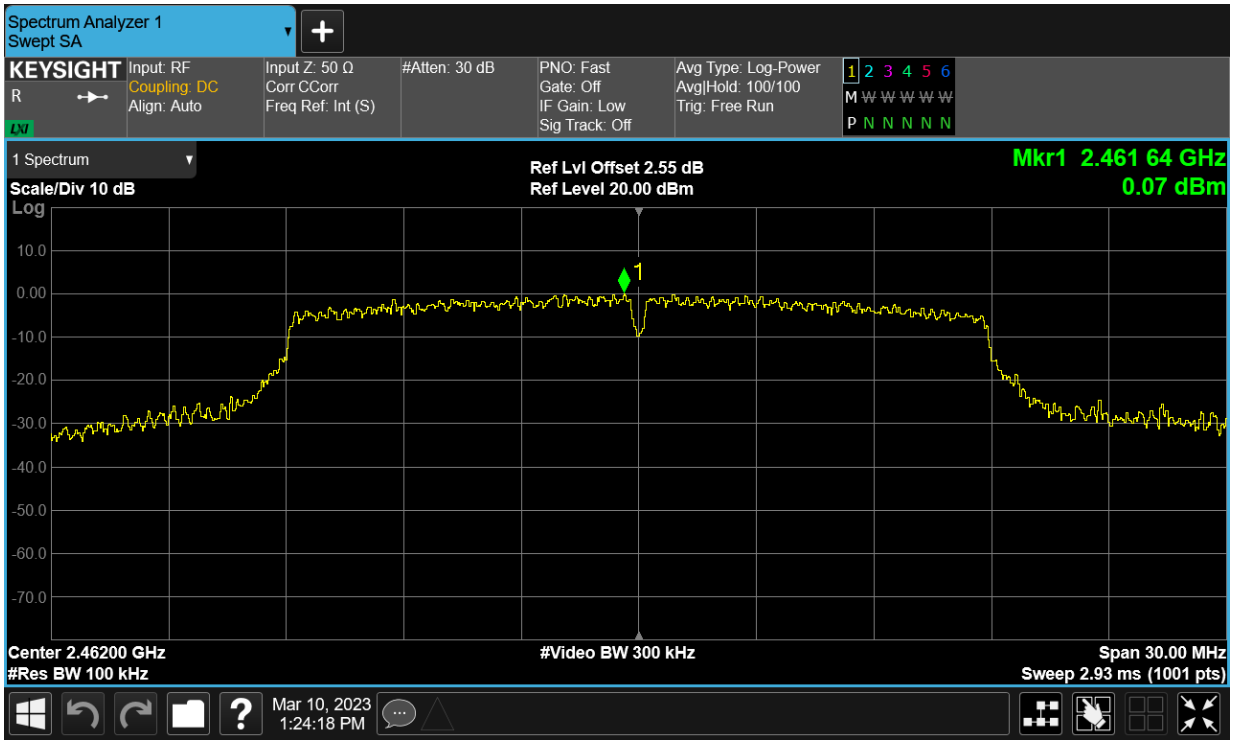
Band Edge NVNT n20 2412MHz Ant7 Ref



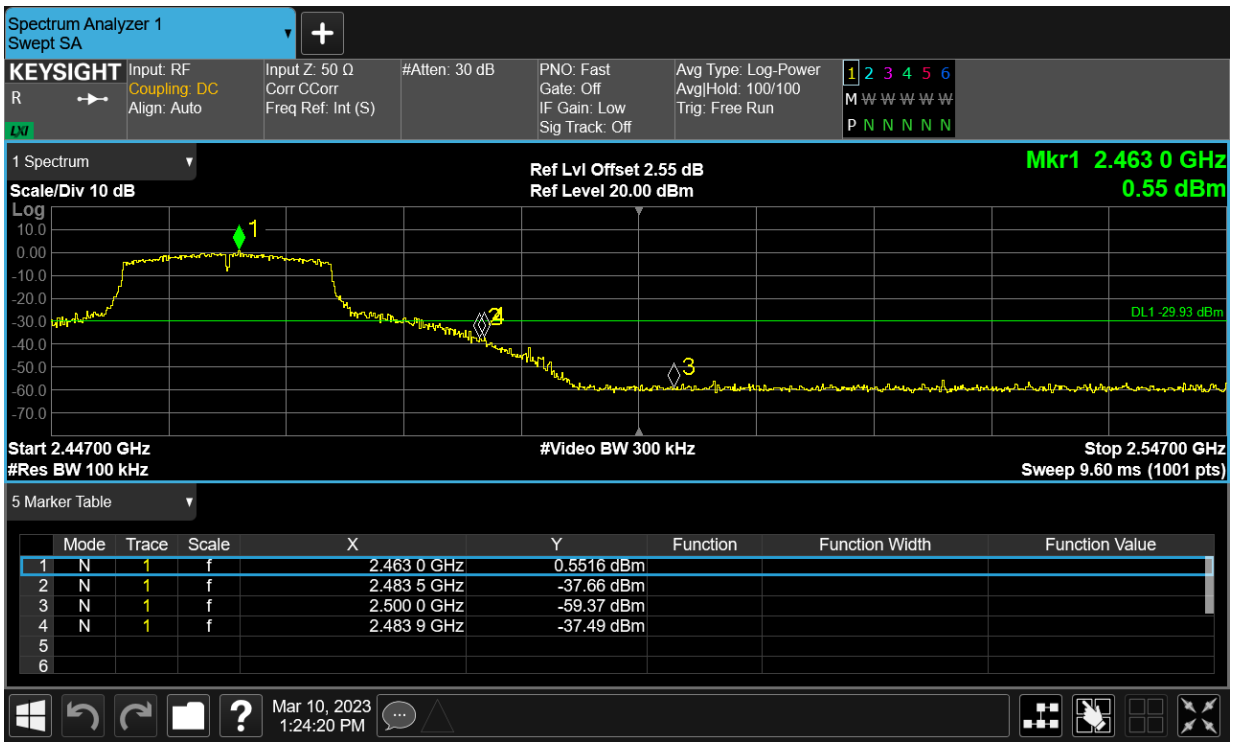
Band Edge NVNT n20 2412MHz Ant7 Emission



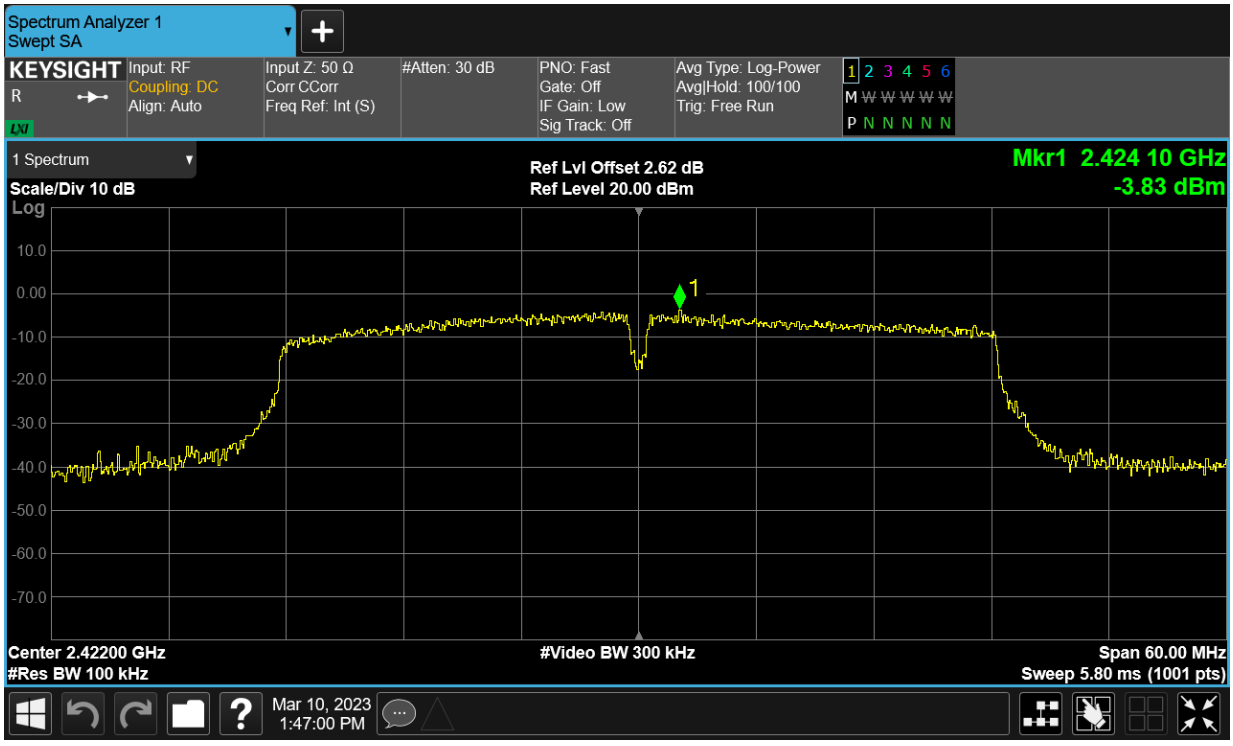
Band Edge NVNT n20 2462MHz Ant7 Ref



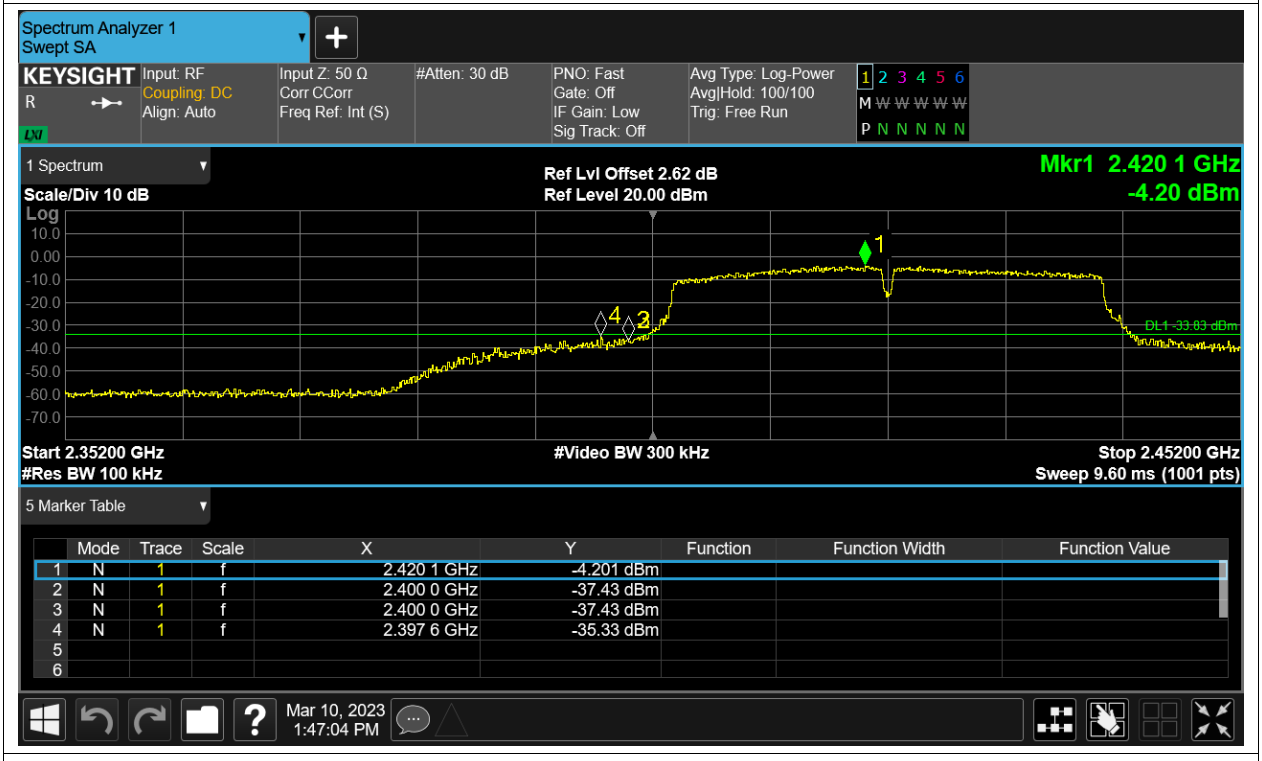
Band Edge NVNT n20 2462MHz Ant7 Emission



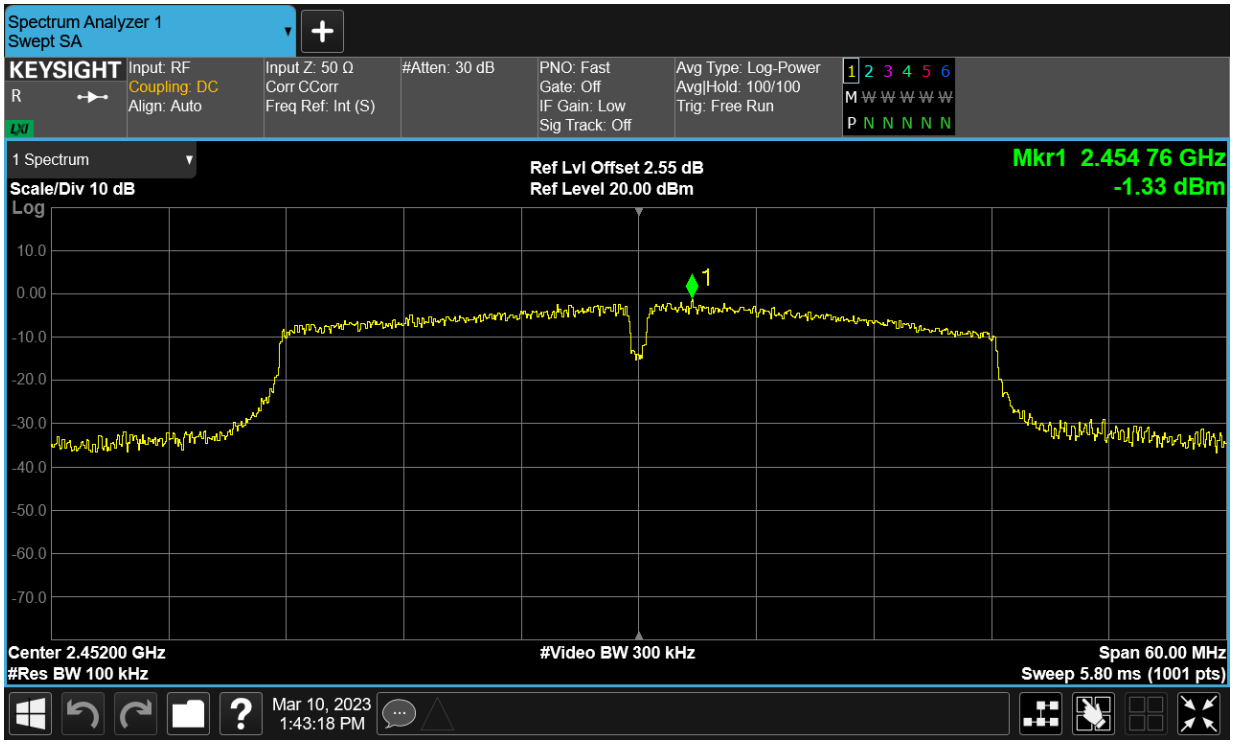
Band Edge NVNT n40 2422MHz Ant7 Ref



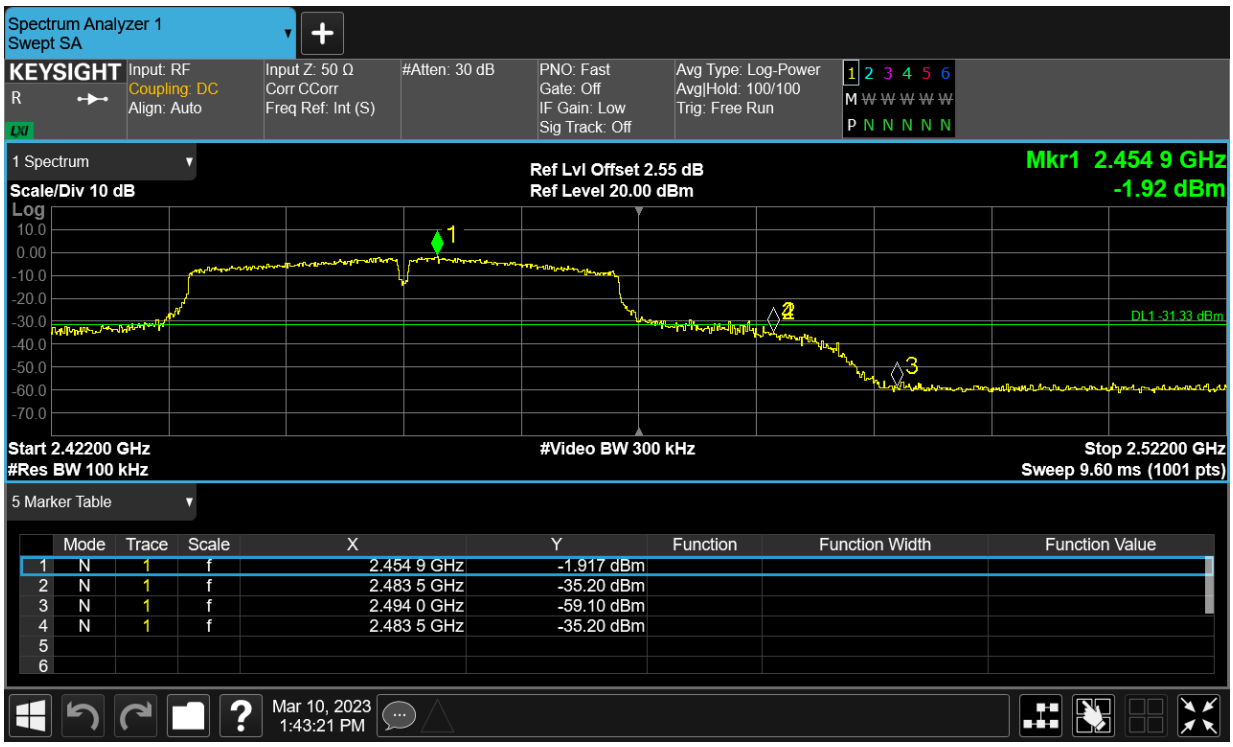
Band Edge NVNT n40 2422MHz Ant7 Emission



Band Edge NVNT n40 2452MHz Ant7 Ref



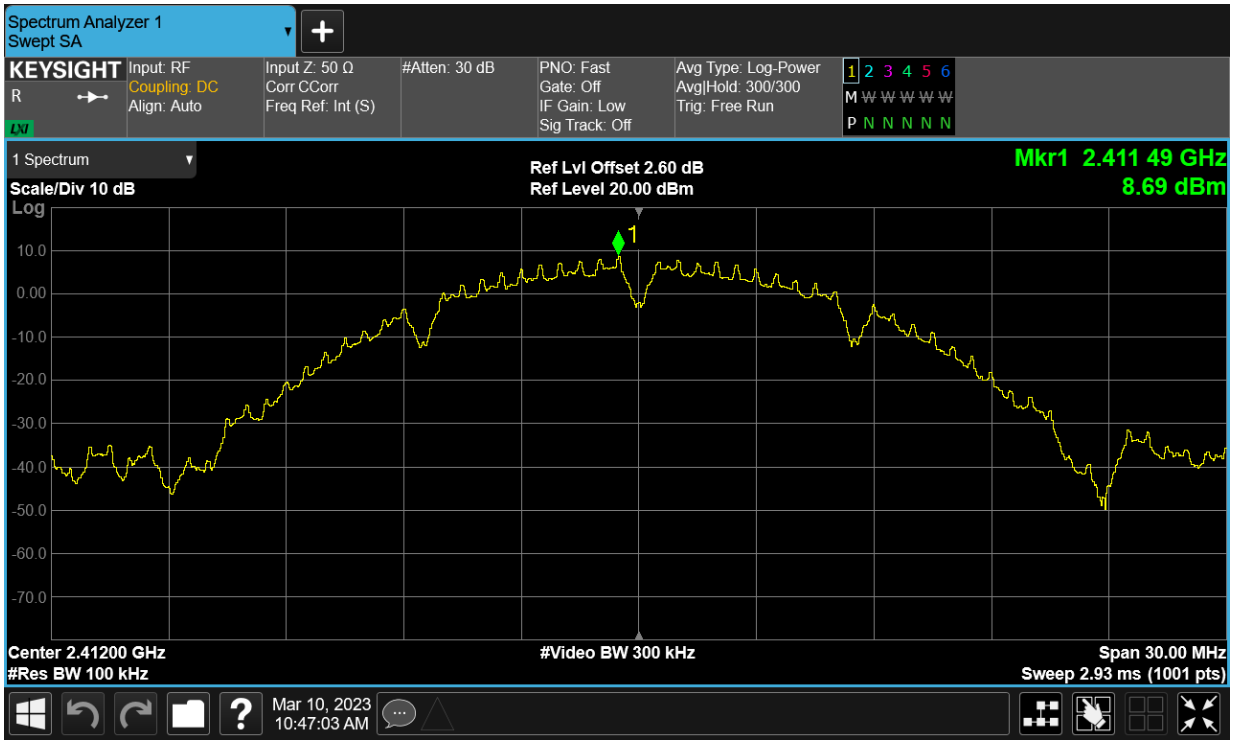
Band Edge NVNT n40 2452MHz Ant7 Emission



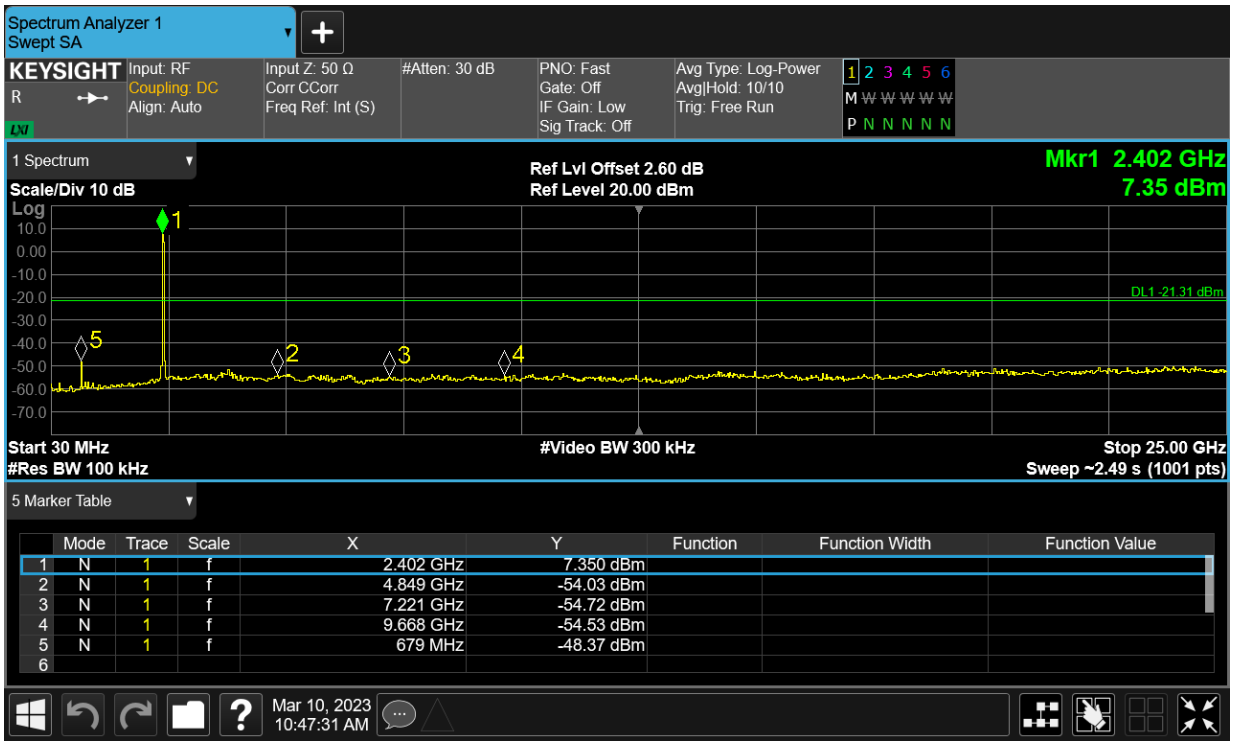
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant7	-57.06	-30	Pass
NVNT	b	2437	Ant7	-58.06	-30	Pass
NVNT	b	2462	Ant7	-46.58	-30	Pass
NVNT	g	2412	Ant7	-39.5	-30	Pass
NVNT	g	2437	Ant7	-49.96	-30	Pass
NVNT	g	2462	Ant7	-41.98	-30	Pass
NVNT	n20	2412	Ant7	-48.33	-30	Pass
NVNT	n20	2437	Ant7	-45.81	-30	Pass
NVNT	n20	2462	Ant7	-38.87	-30	Pass
NVNT	n40	2422	Ant7	-46.55	-30	Pass
NVNT	n40	2437	Ant7	-45.48	-30	Pass
NVNT	n40	2452	Ant7	-43.2	-30	Pass

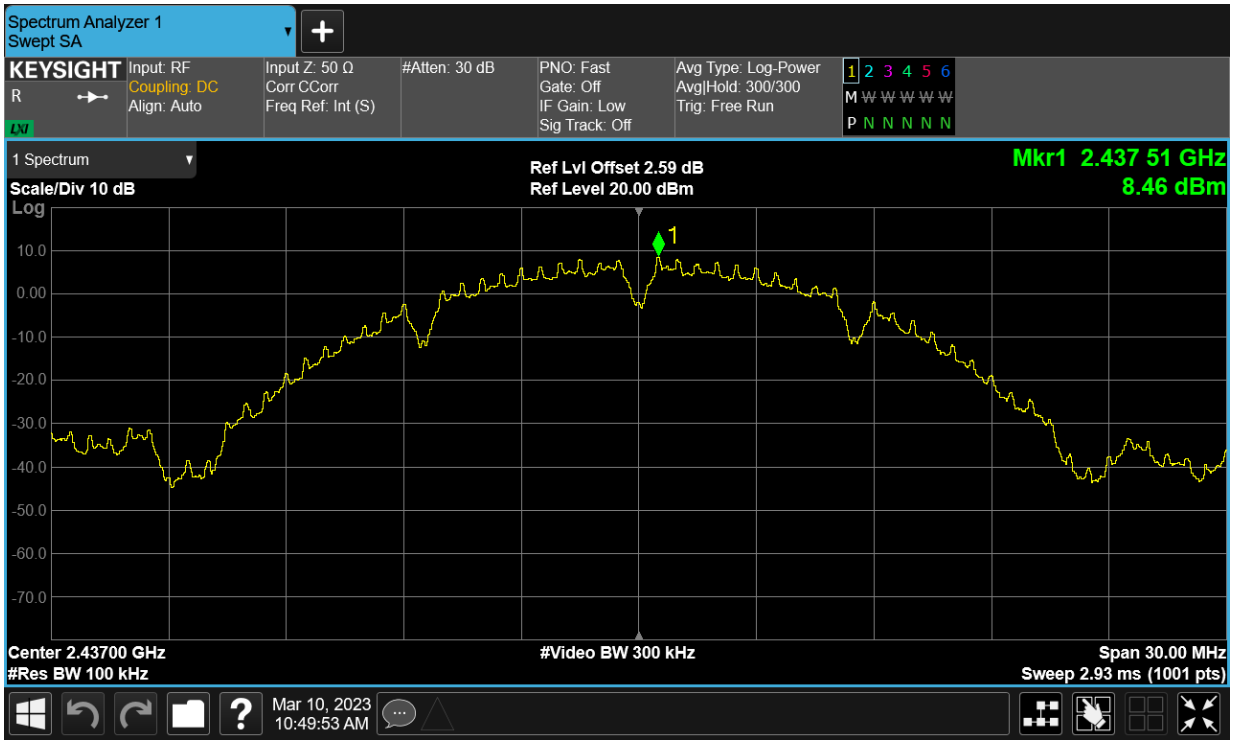
Test Graphs
Tx. Spurious NVNT b 2412MHz Ant7 Ref



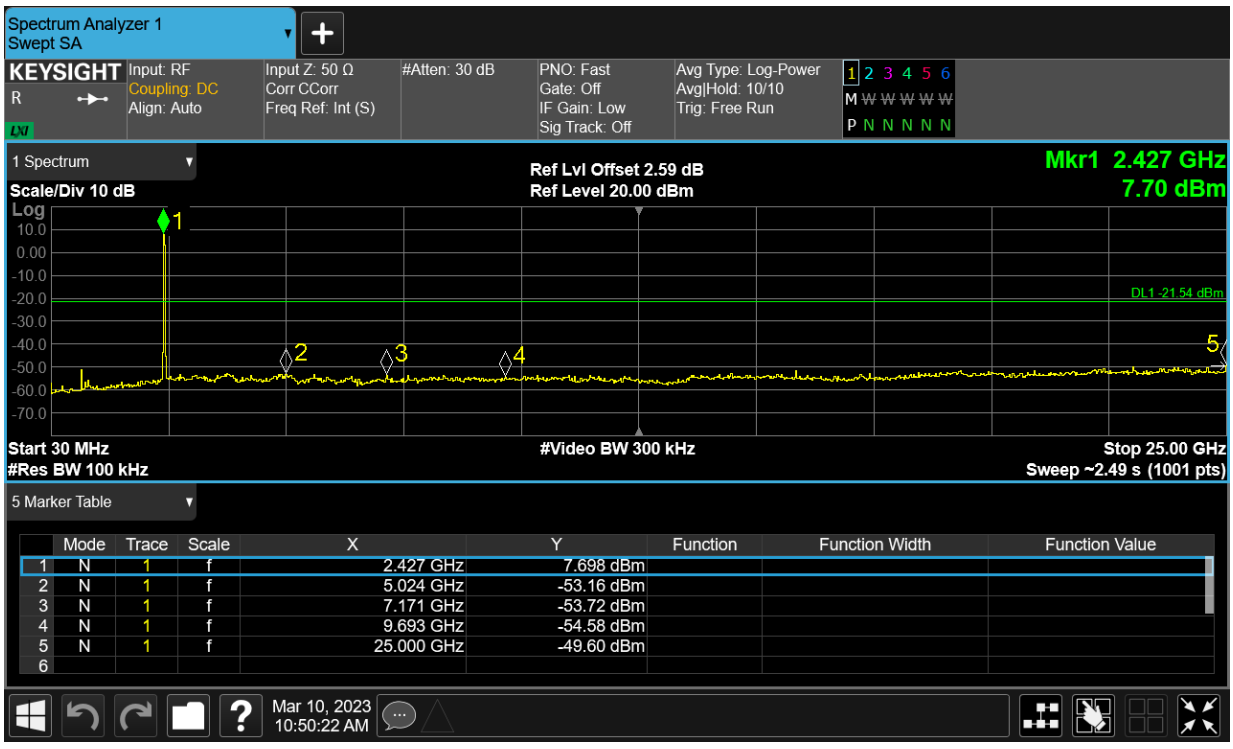
Tx. Spurious NVNT b 2412MHz Ant7 Emission



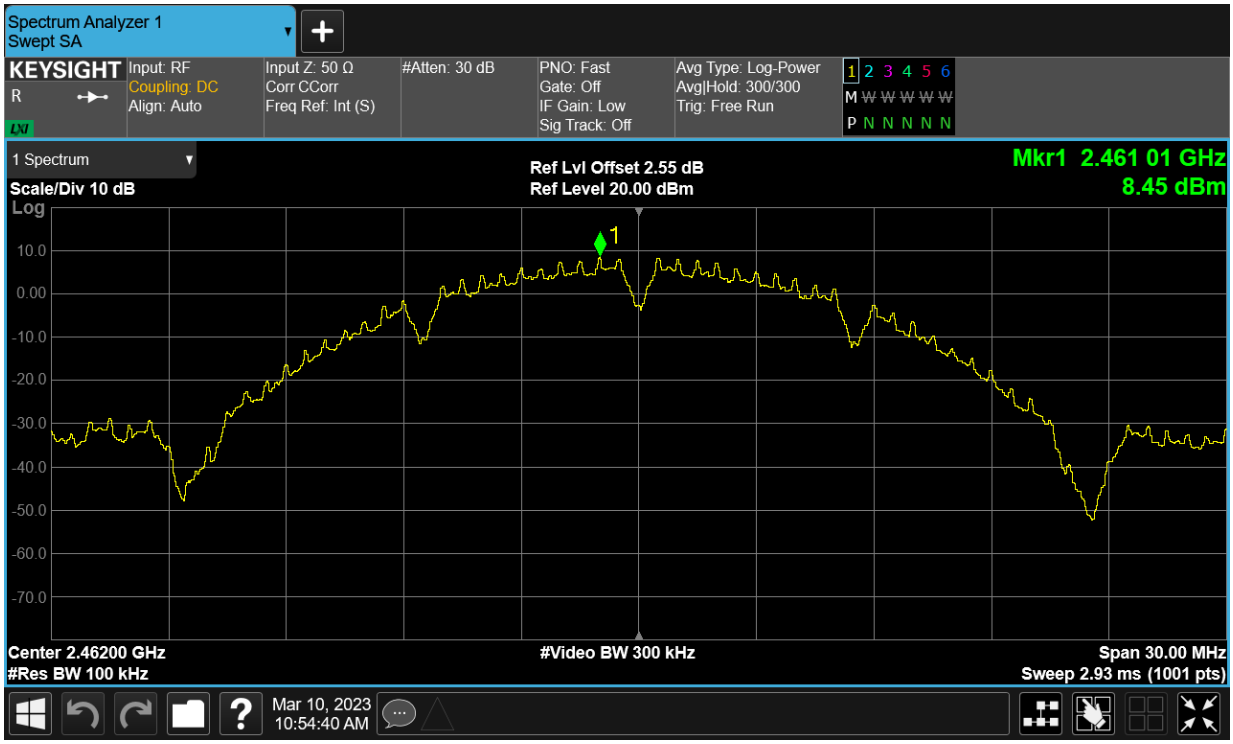
Tx. Spurious NVNT b 2437MHz Ant7 Ref



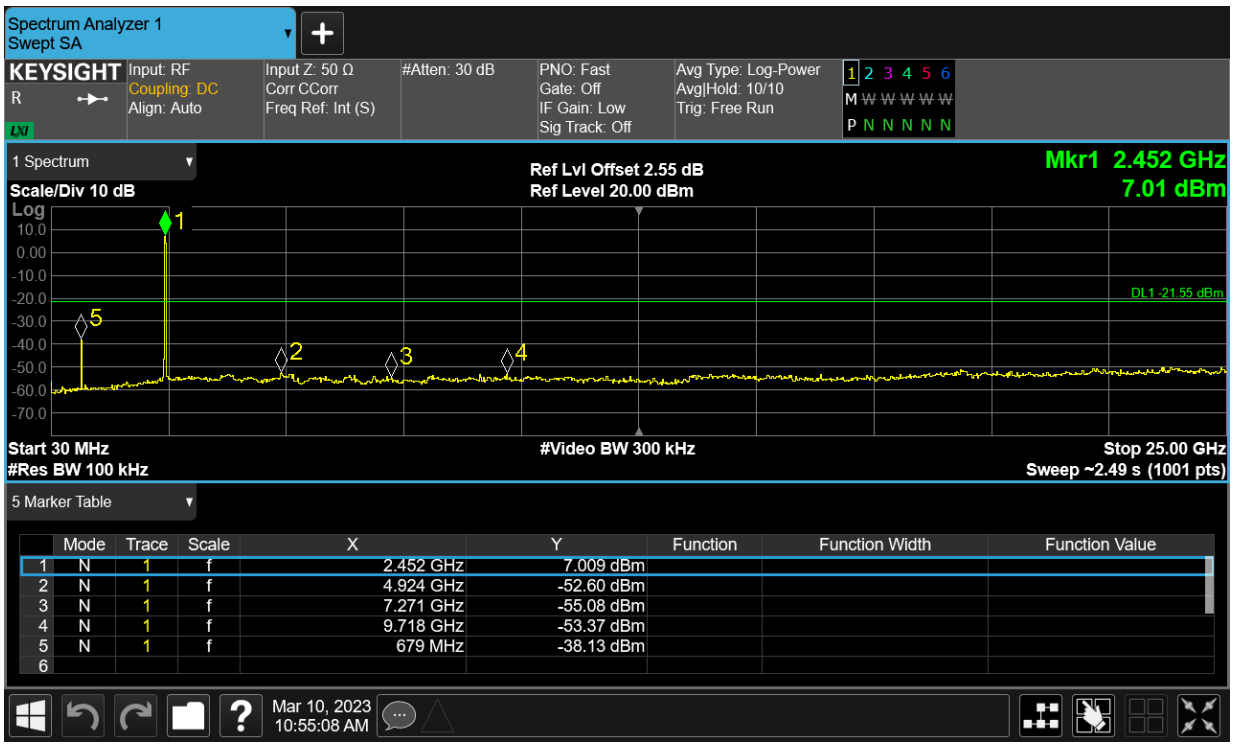
Tx. Spurious NVNT b 2437MHz Ant7 Emission



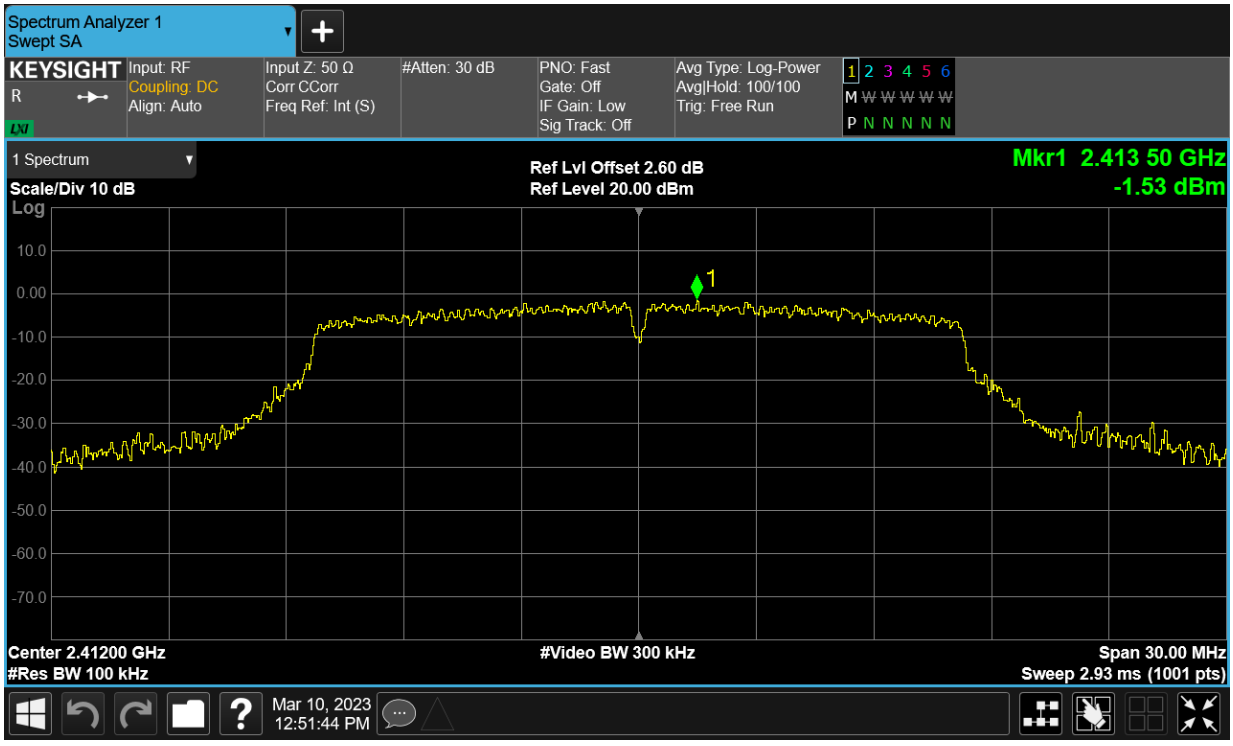
Tx. Spurious NVNT b 2462MHz Ant7 Ref



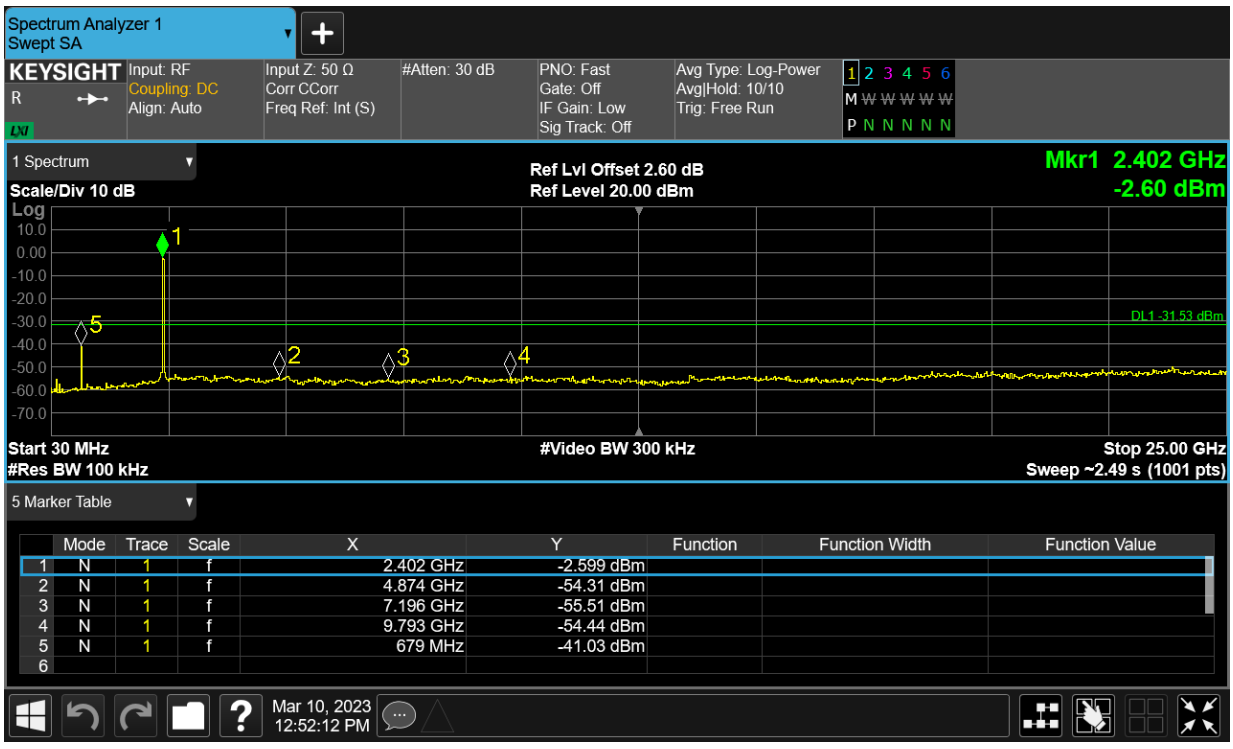
Tx. Spurious NVNT b 2462MHz Ant7 Emission



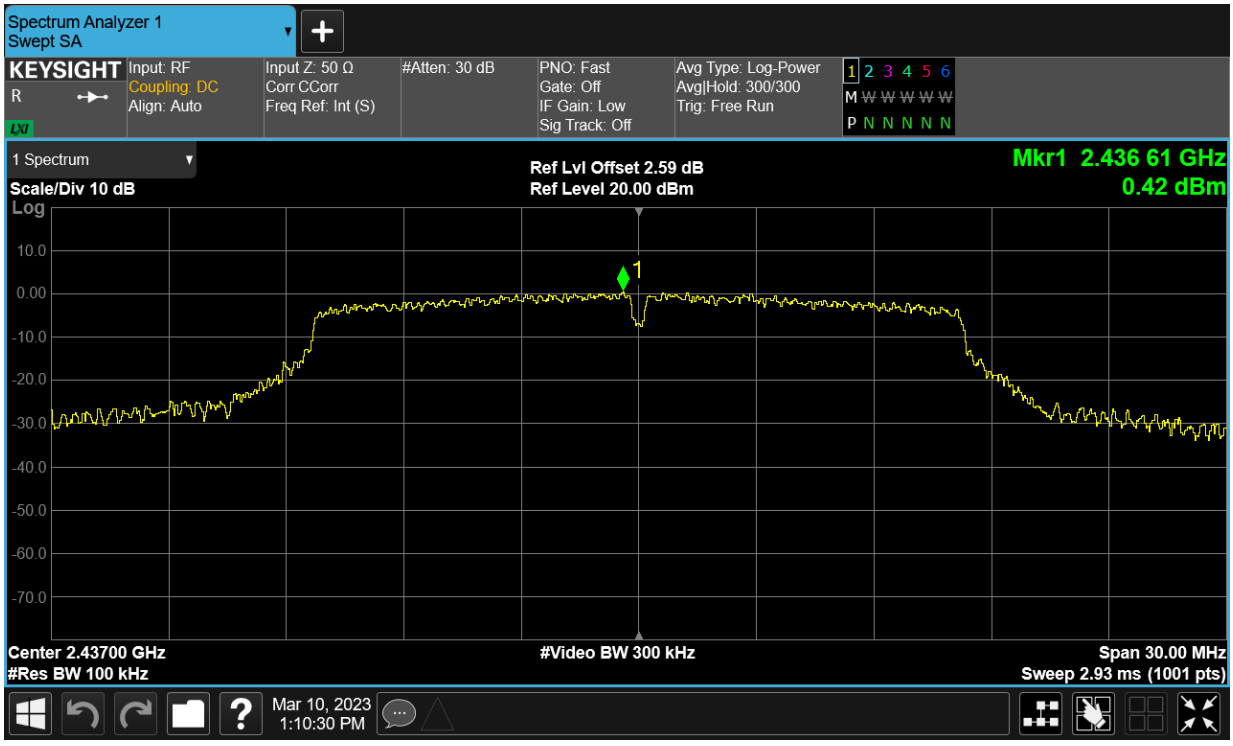
Tx. Spurious NVNT g 2412MHz Ant7 Ref



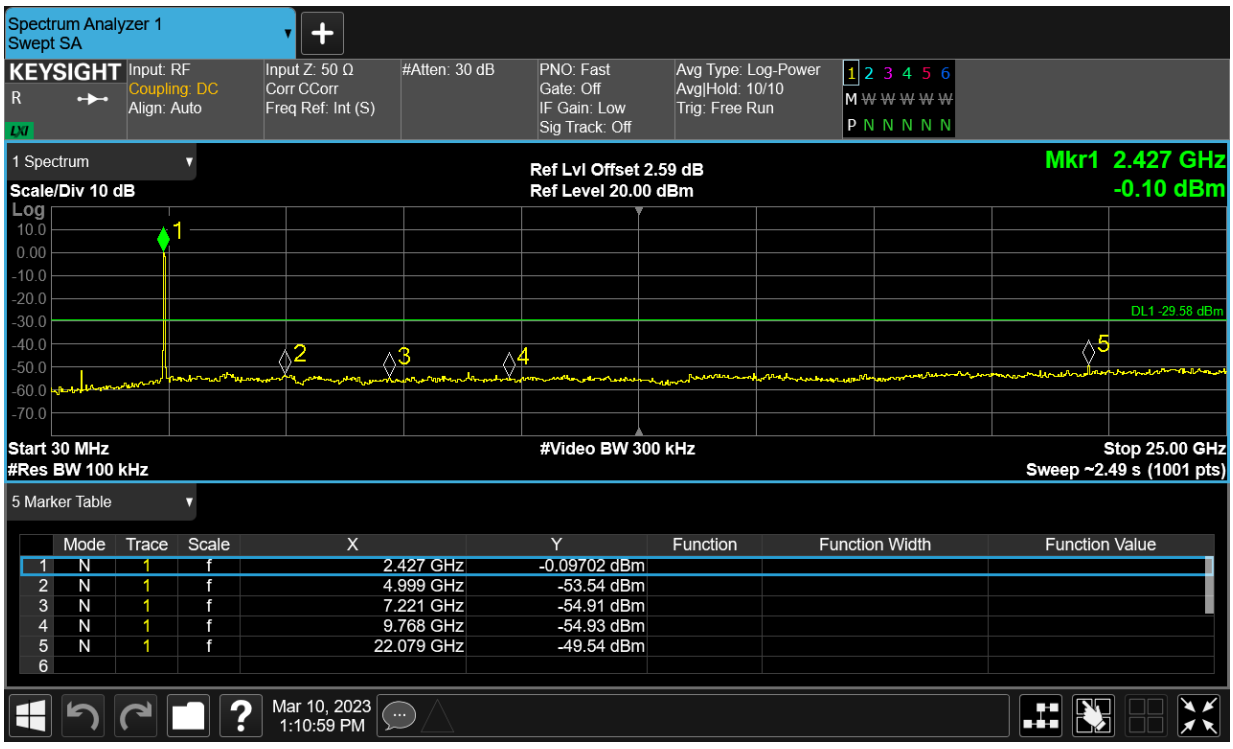
Tx. Spurious NVNT g 2412MHz Ant7 Emission



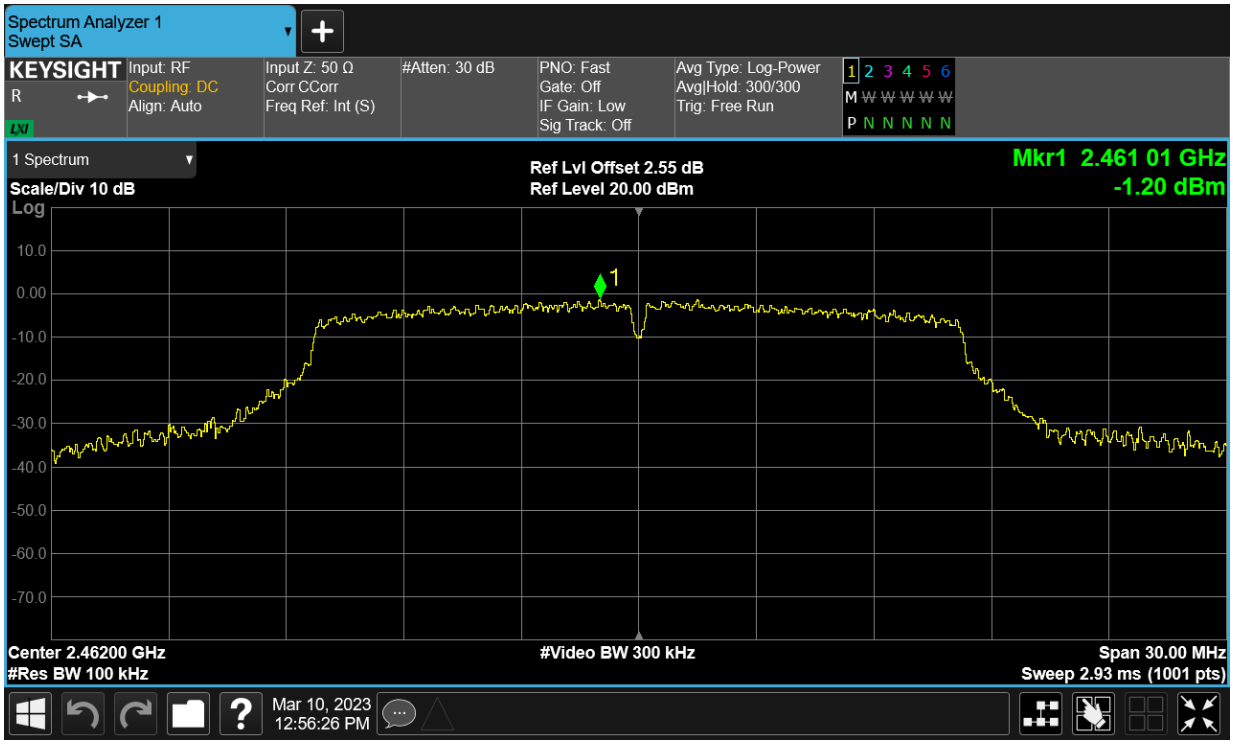
Tx. Spurious NVNT g 2437MHz Ant7 Ref



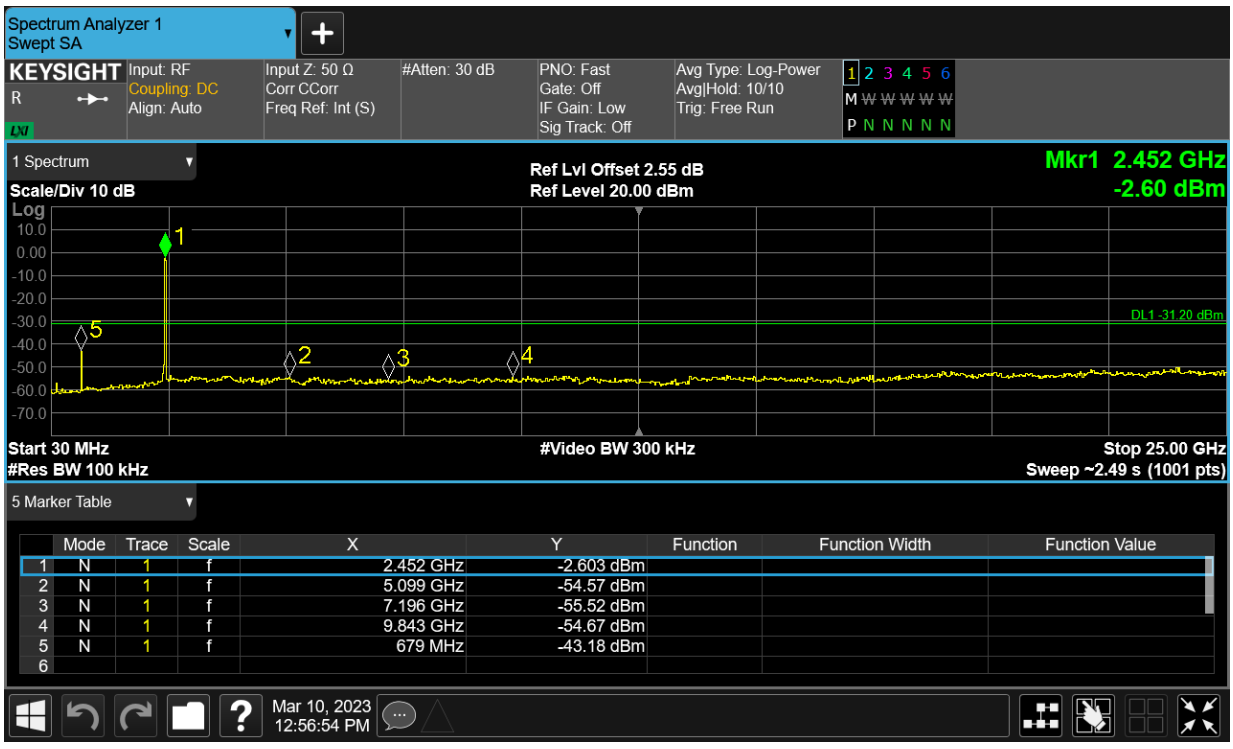
Tx. Spurious NVNT g 2437MHz Ant7 Emission



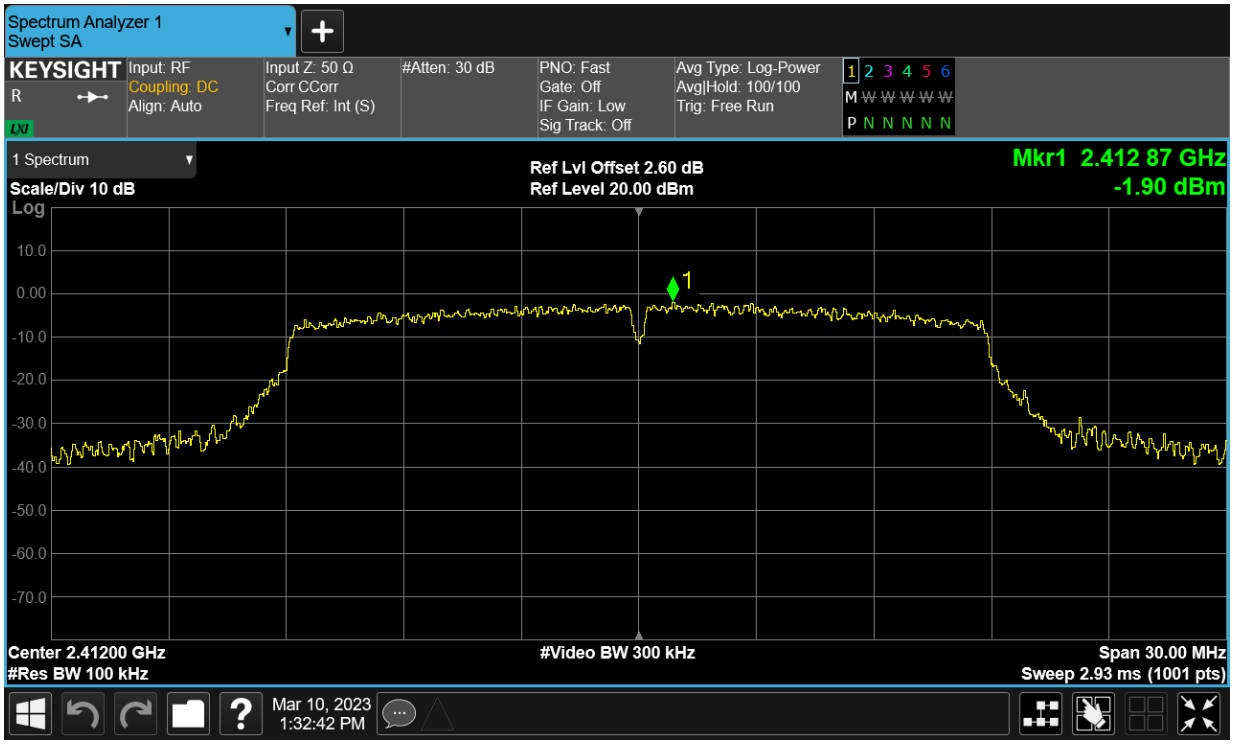
Tx. Spurious NVNT g 2462MHz Ant7 Ref



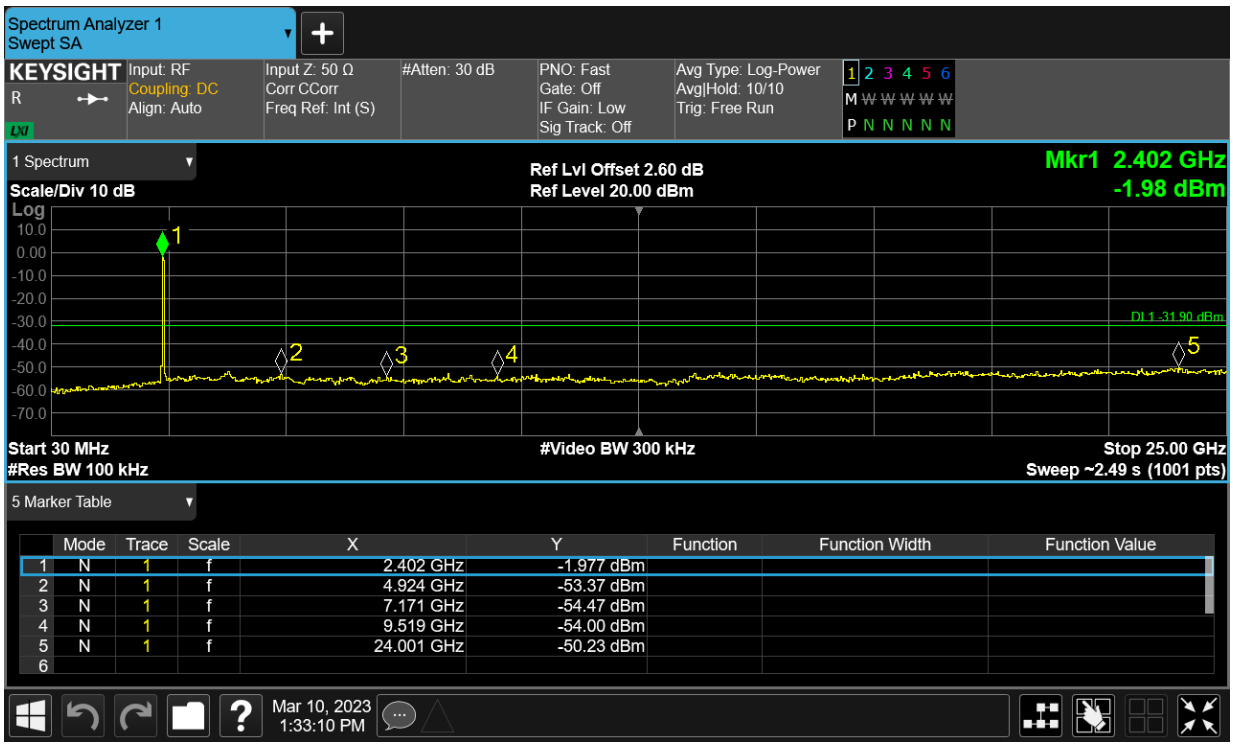
Tx. Spurious NVNT g 2462MHz Ant7 Emission



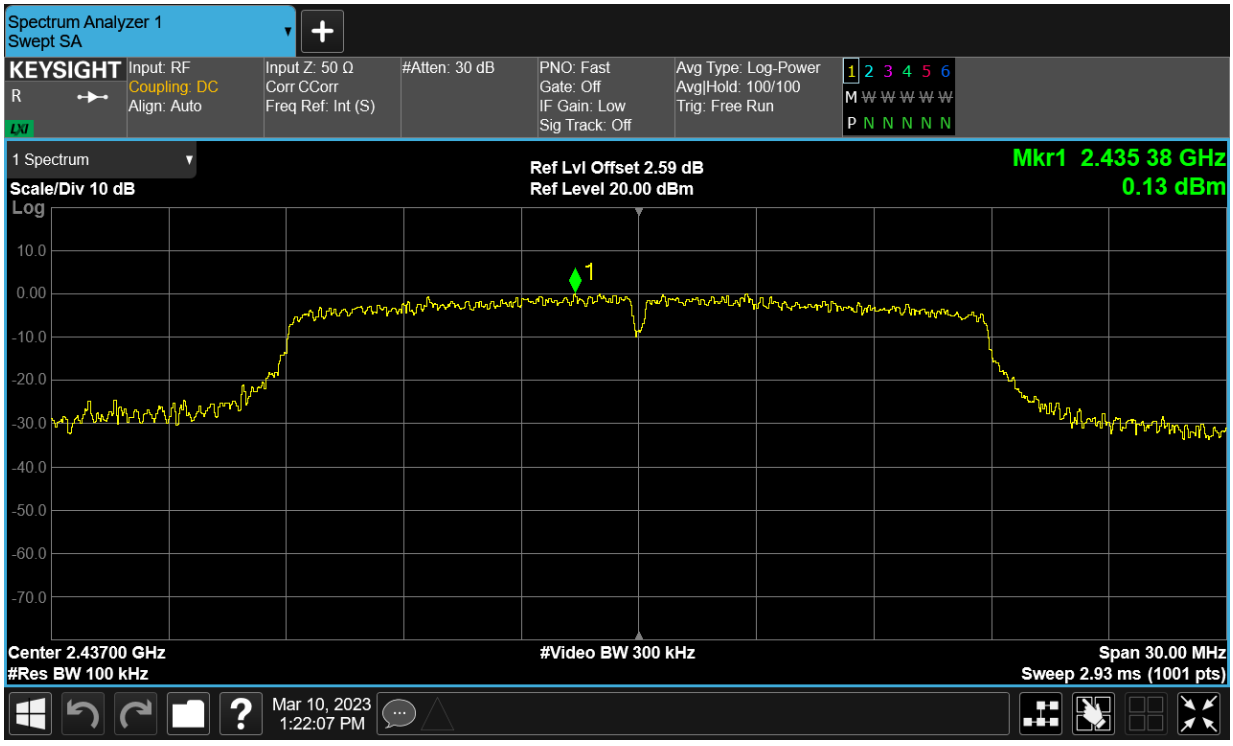
Tx. Spurious NVNT n20 2412MHz Ant7 Ref



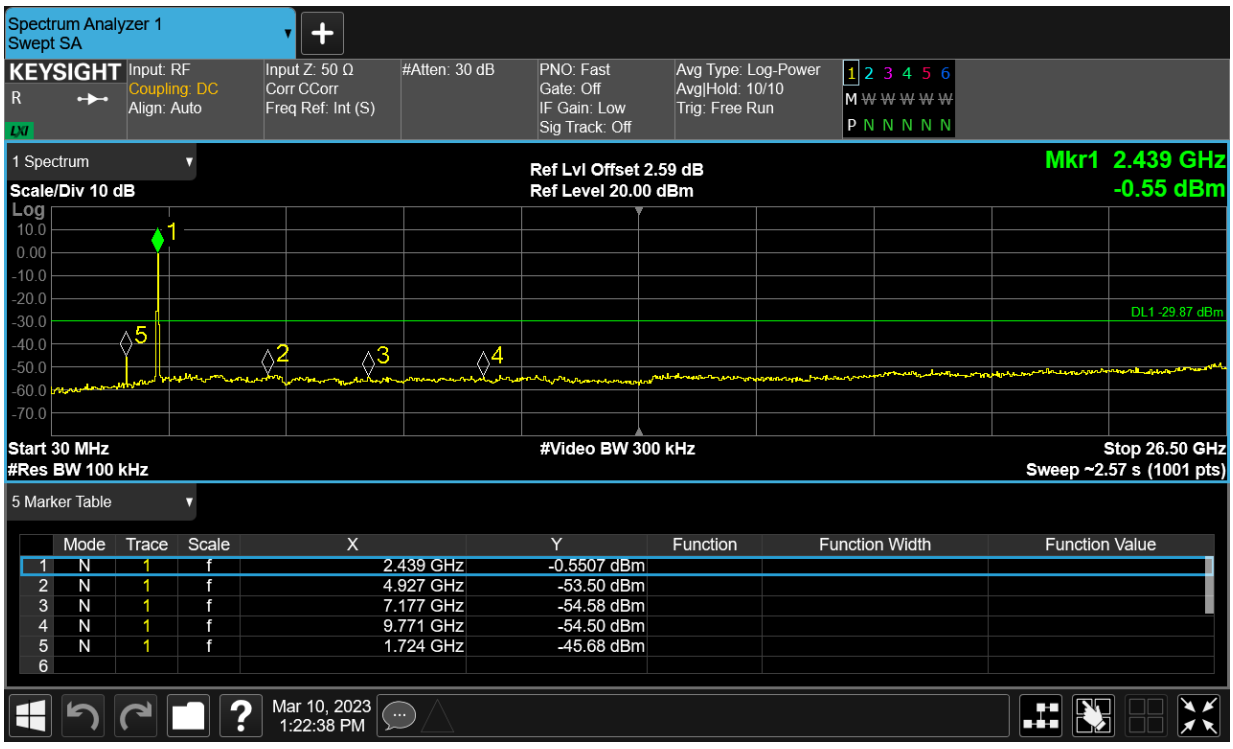
Tx. Spurious NVNT n20 2412MHz Ant7 Emission



Tx. Spurious NVNT n20 2437MHz Ant7 Ref



Tx. Spurious NVNT n20 2437MHz Ant7 Emission



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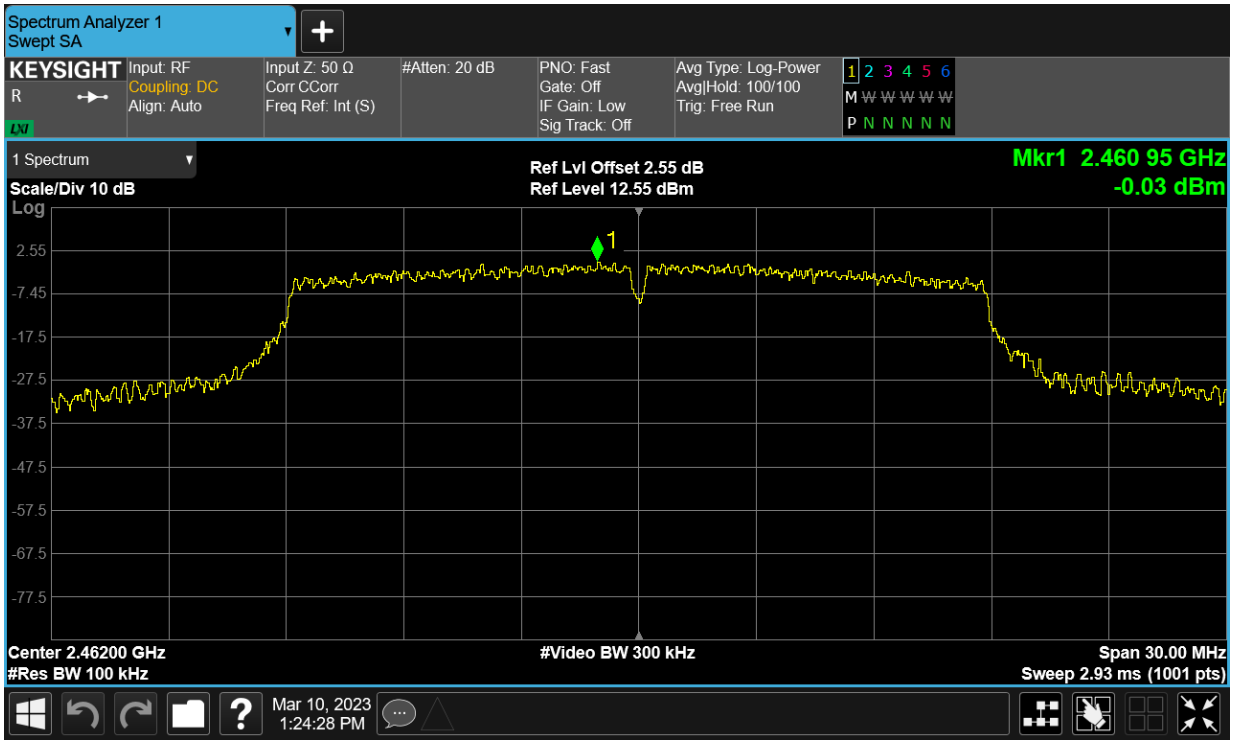
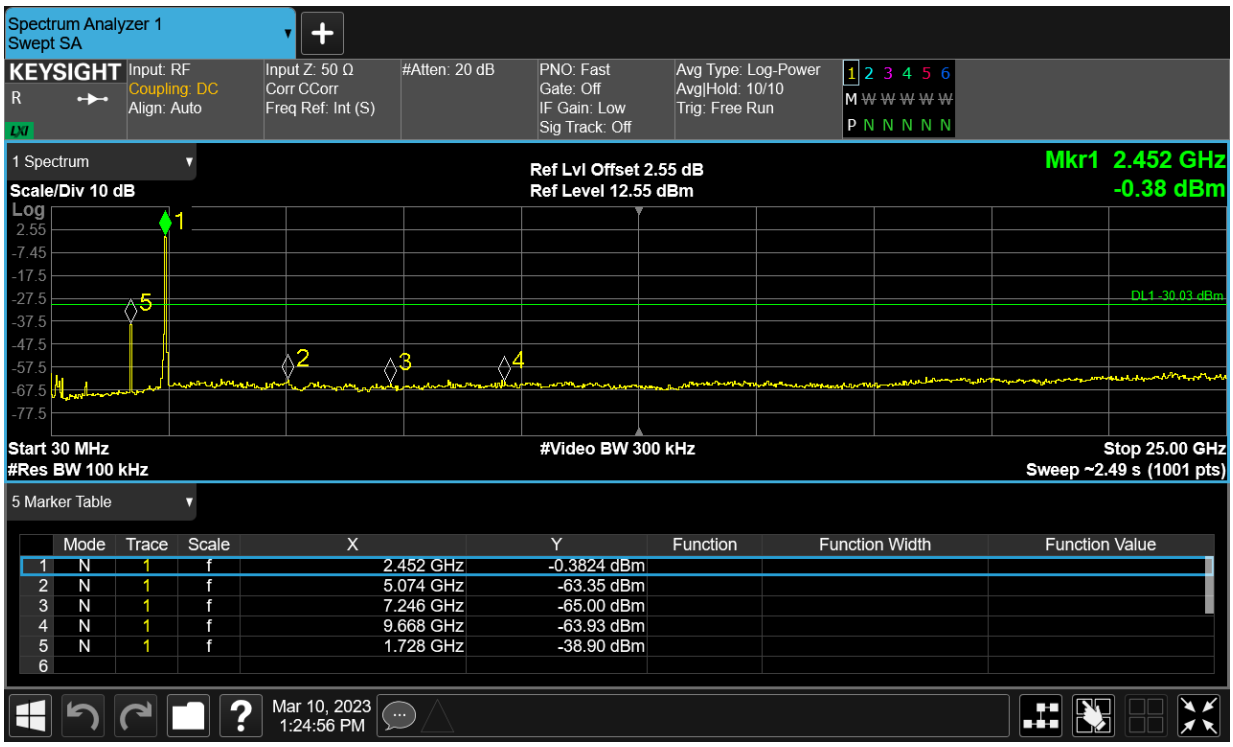
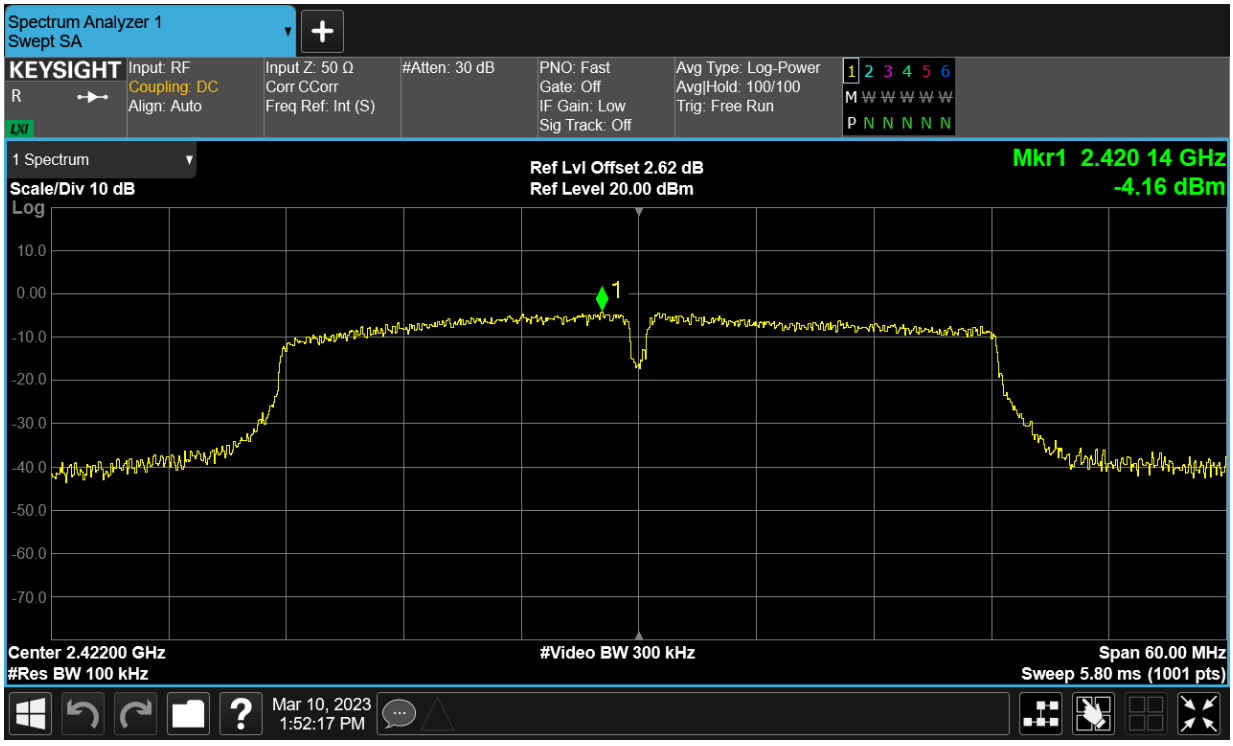


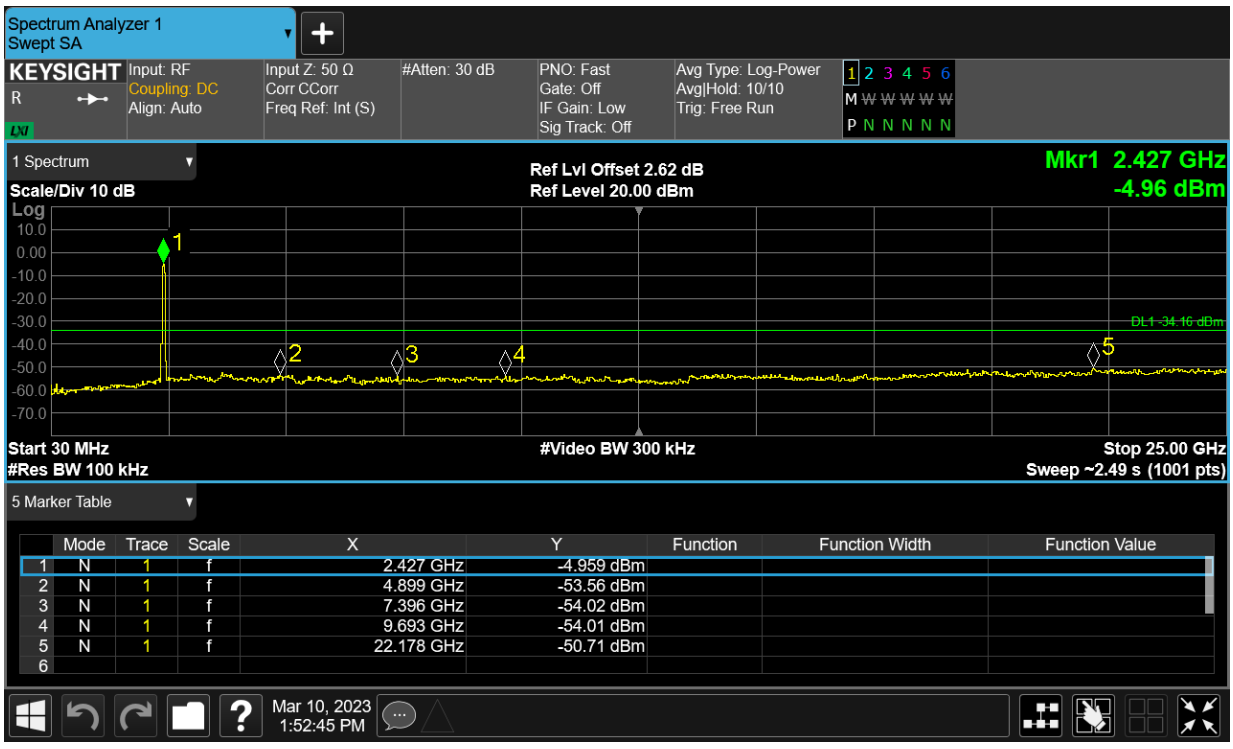
Tx. Spurious NVNT n20 2462MHz Ant7 Emission



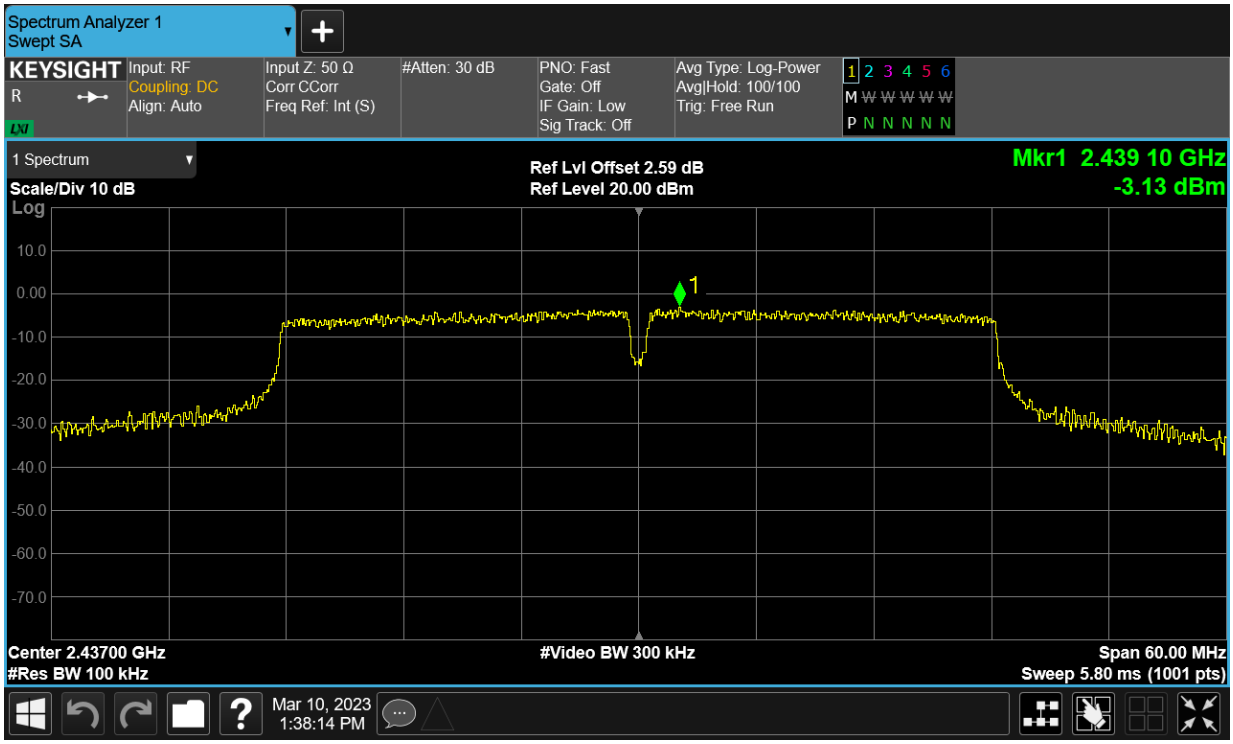
Tx. Spurious NVNT n40 2422MHz Ant7 Ref



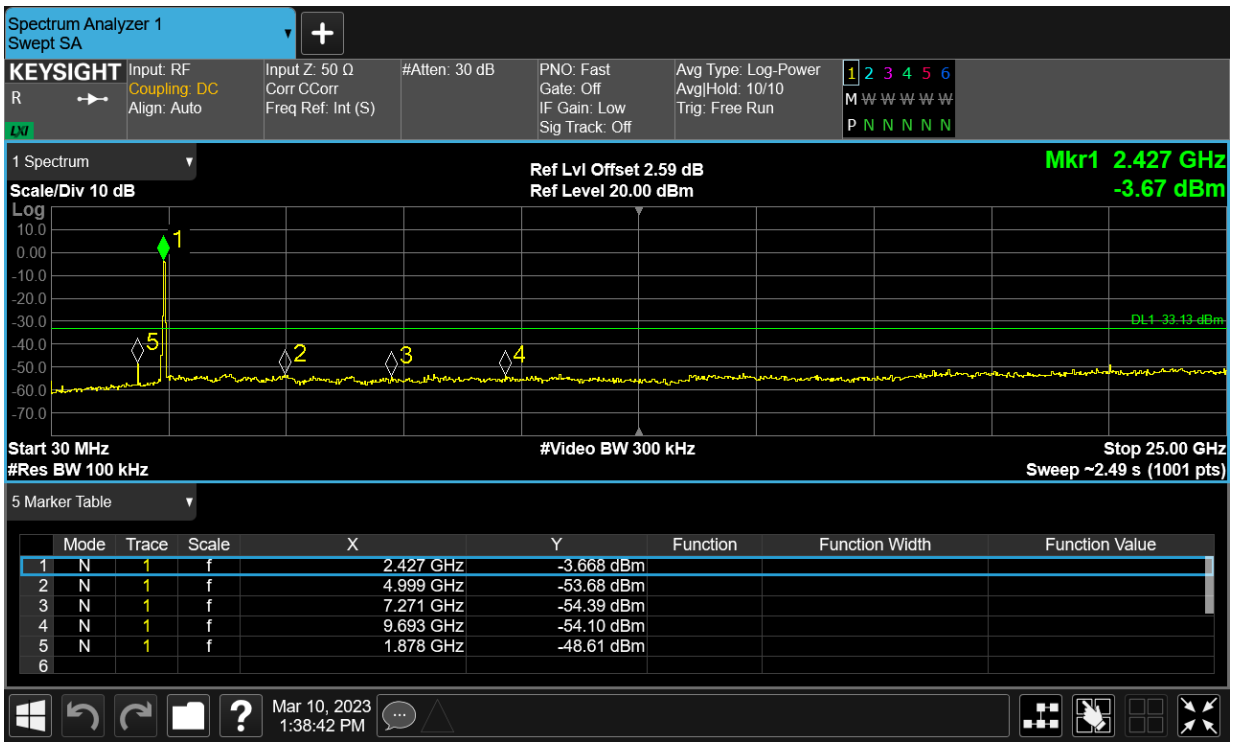
Tx. Spurious NVNT n40 2422MHz Ant7 Emission



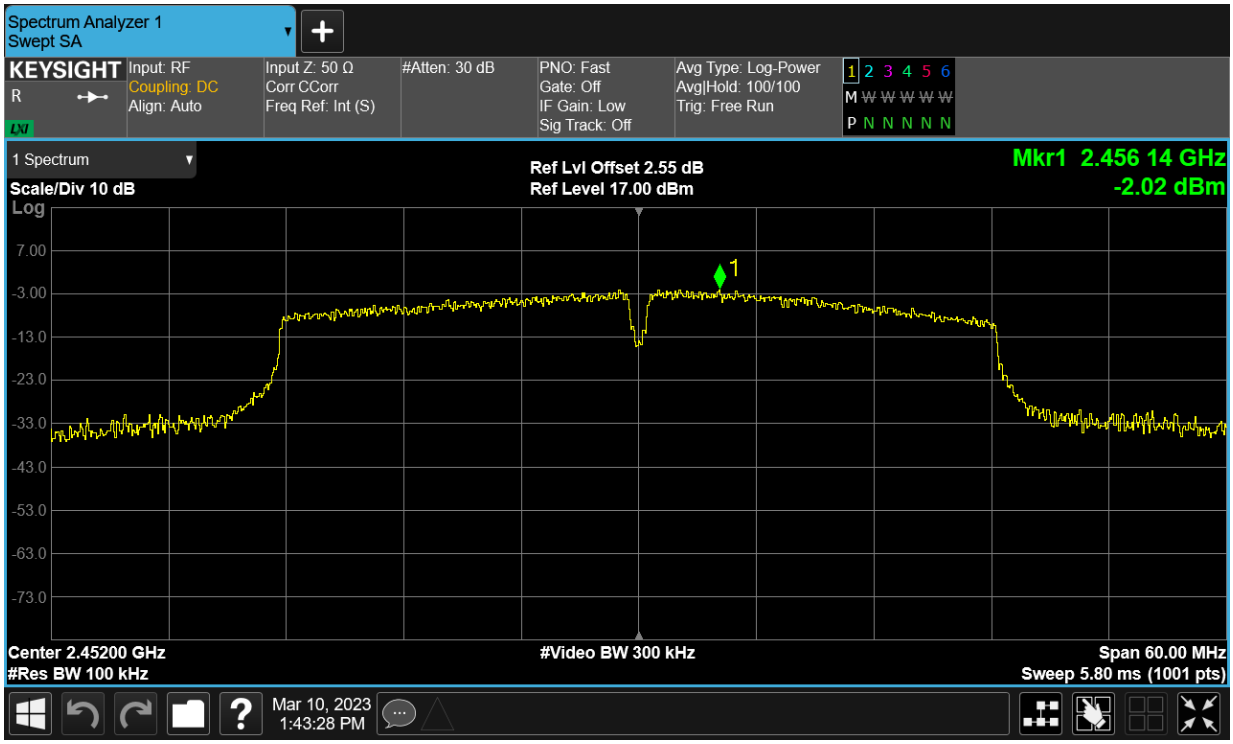
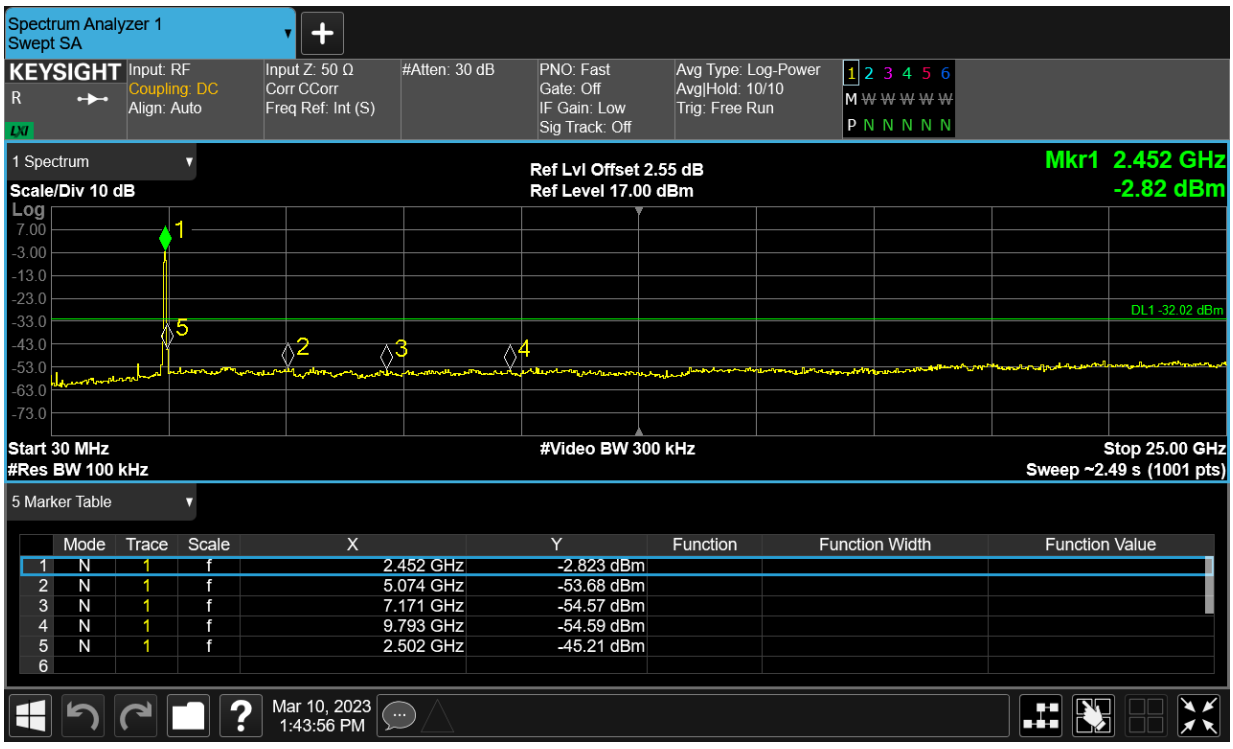
Tx. Spurious NVNT n40 2437MHz Ant7 Ref



Tx. Spurious NVNT n40 2437MHz Ant7 Emission



Tx. Spurious NVNT n40 2452MHz Ant7 Ref



Tx. Spurious NVNT n40 2452MHz Ant7 Emission