

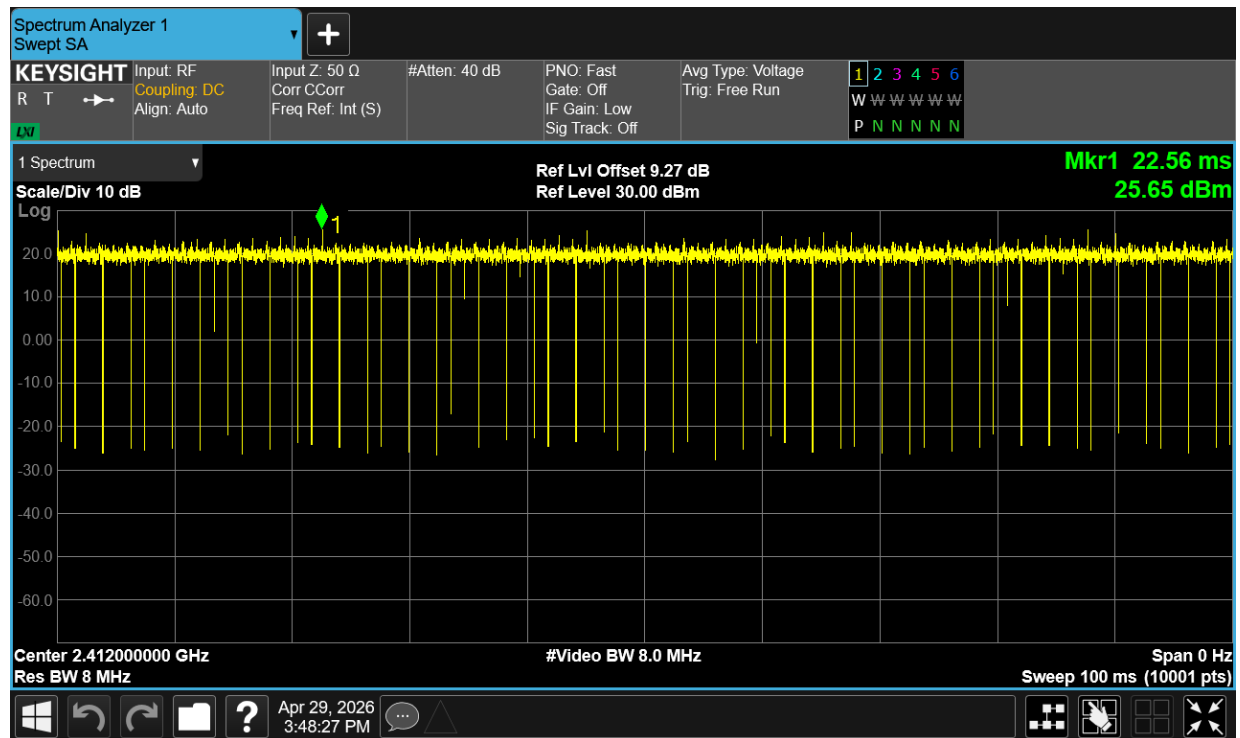
Test Data

Duty Cycle

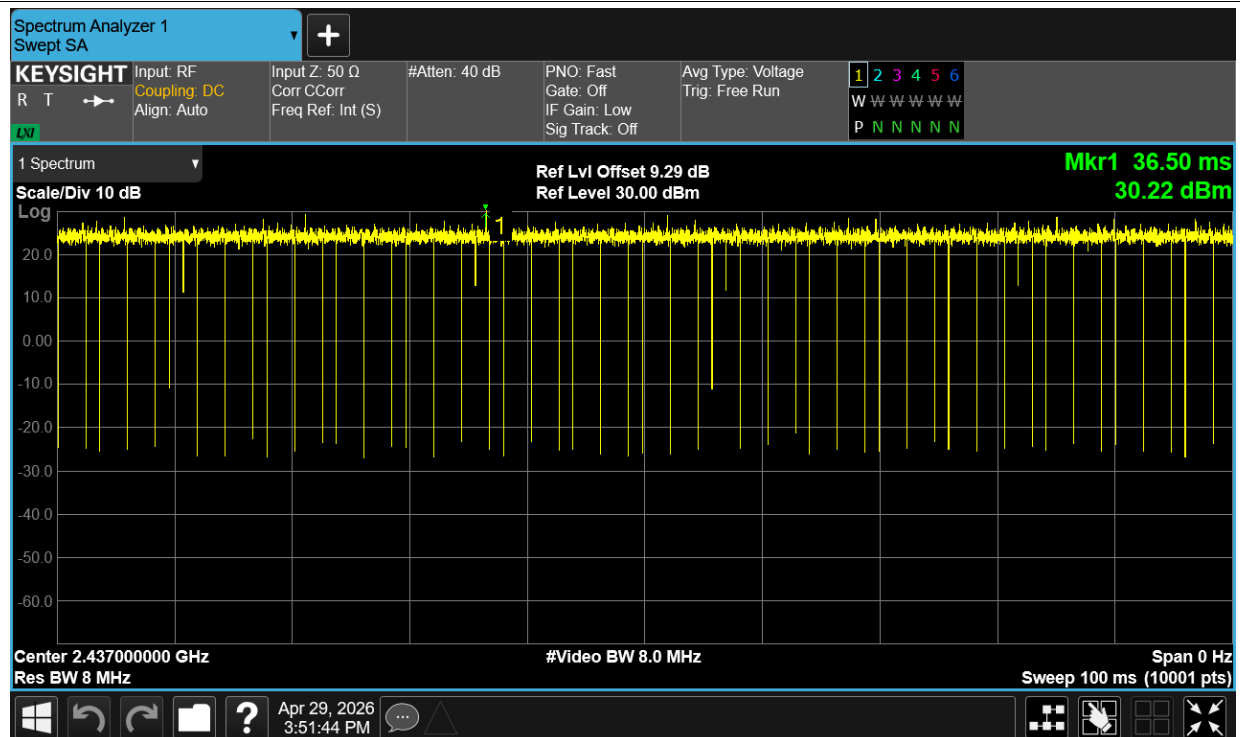
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	ax20	2412	Sum	99.49	0.02
NVNT	ax20	2437	Sum	99.5	0.02
NVNT	ax20	2462	Sum	99.52	0.02
NVNT	ax40	2422	Sum	99.05	0.04
NVNT	ax40	2437	Sum	99.08	0.04
NVNT	ax40	2452	Sum	99.07	0.04
NVNT	b	2412	Ant1	99.91	0
NVNT	b	2437	Ant1	99.94	0
NVNT	b	2462	Ant1	99.94	0
NVNT	b	2412	Ant2	99.92	0
NVNT	b	2437	Ant2	99.92	0
NVNT	b	2462	Ant2	99.91	0
NVNT	g	2412	Ant1	99.56	0.02
NVNT	g	2437	Ant1	99.58	0.02
NVNT	g	2462	Ant1	99.57	0.02
NVNT	g	2412	Ant2	99.57	0.02
NVNT	g	2437	Ant2	99.57	0.02
NVNT	g	2462	Ant2	99.57	0.02
NVNT	n20	2412	Sum	99.54	0.02
NVNT	n20	2437	Sum	99.54	0.02
NVNT	n20	2462	Sum	99.54	0.02
NVNT	n40	2422	Sum	99.1	0.04
NVNT	n40	2437	Sum	99.11	0.04
NVNT	n40	2452	Sum	99.09	0.04

Test Graphs

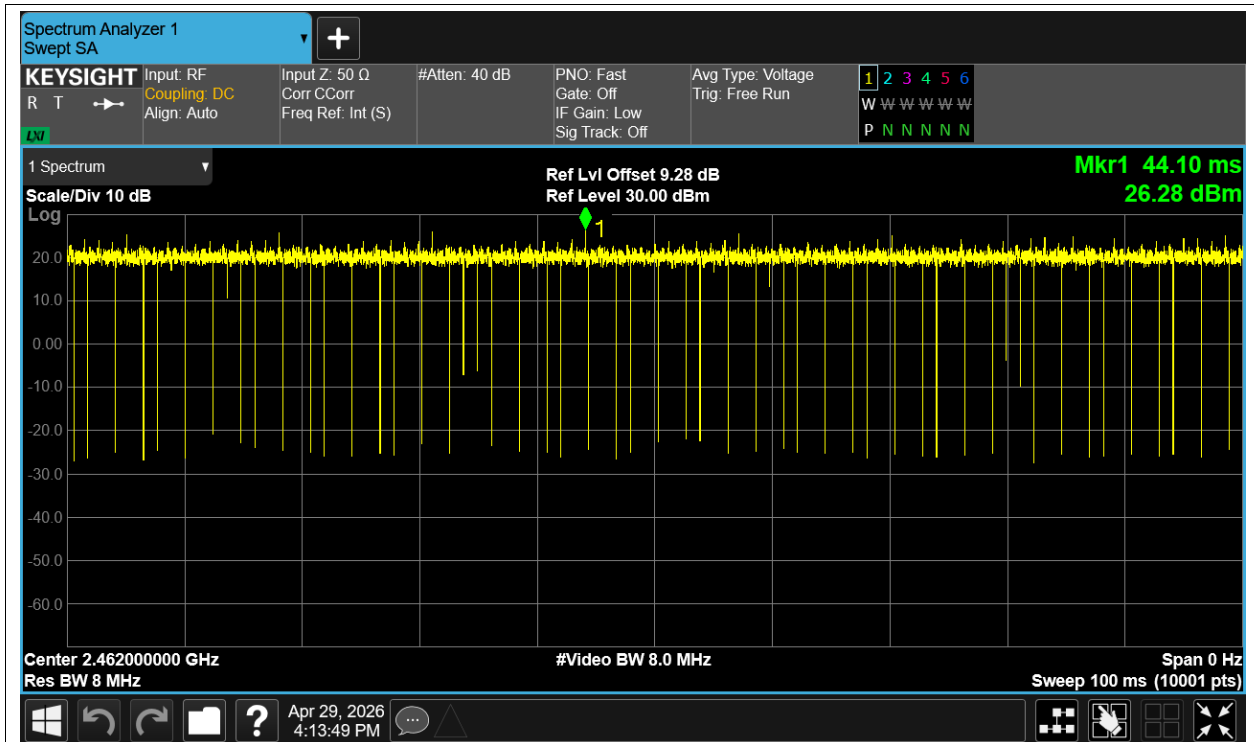
Duty Cycle NVNT ax20 2412MHz Sum



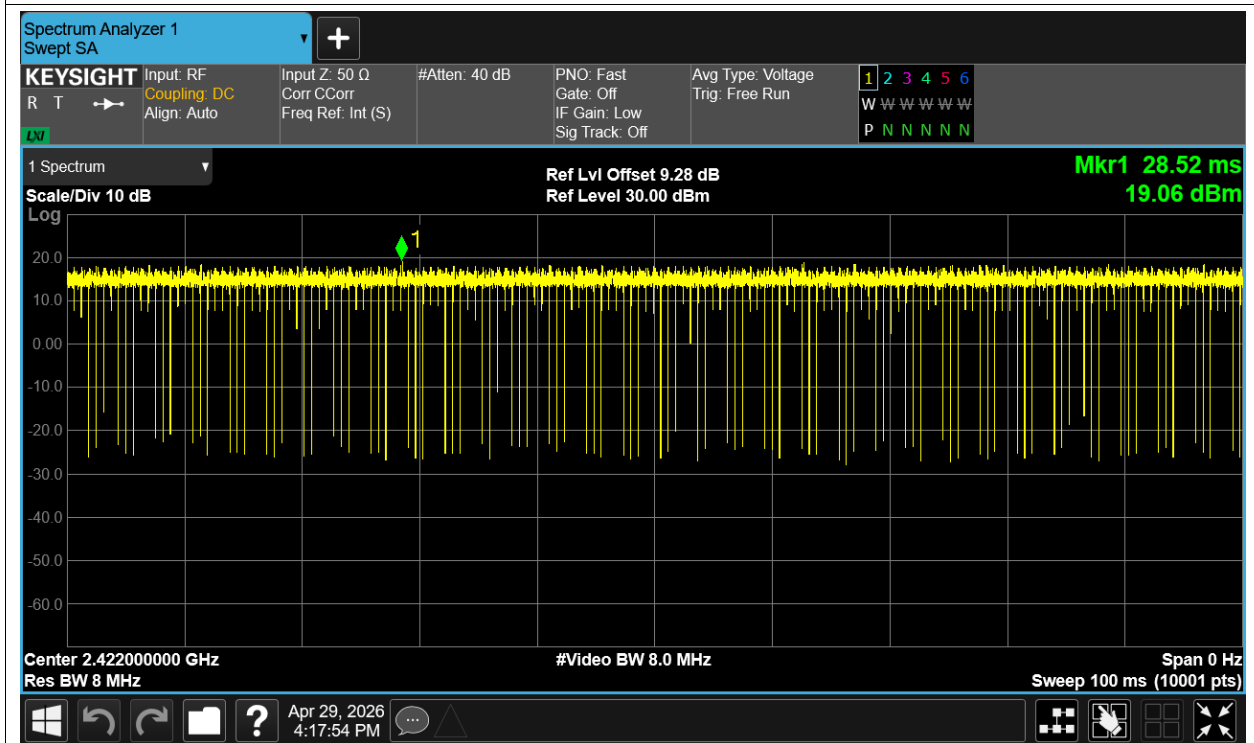
Duty Cycle NVNT ax20 2437MHz Sum



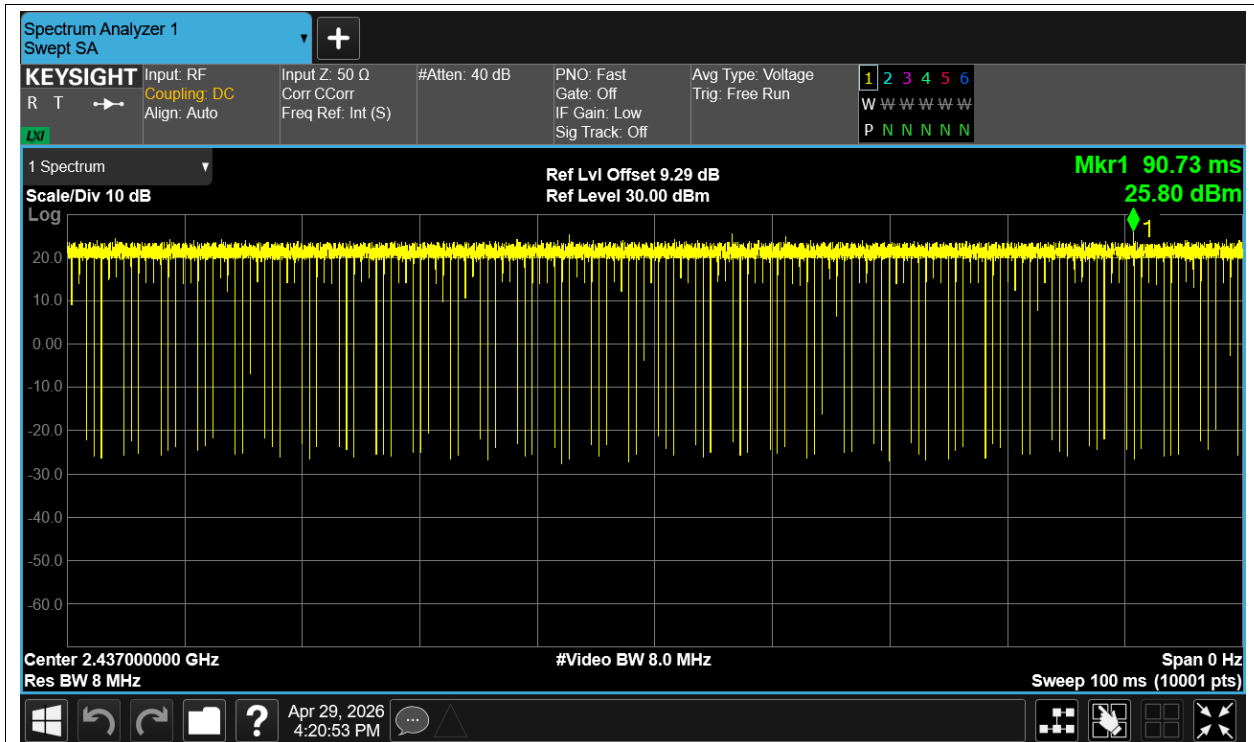
Duty Cycle NVNT ax20 2462MHz Sum



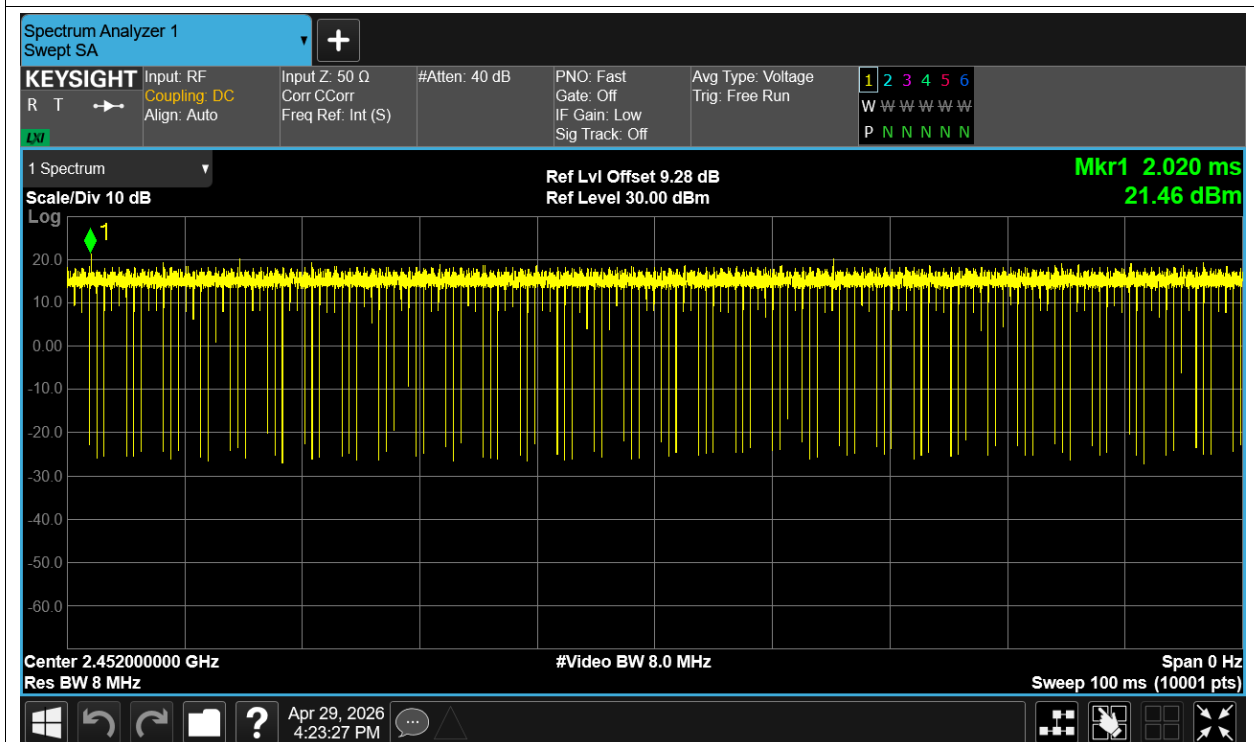
Duty Cycle NVNT ax40 2422MHz Sum



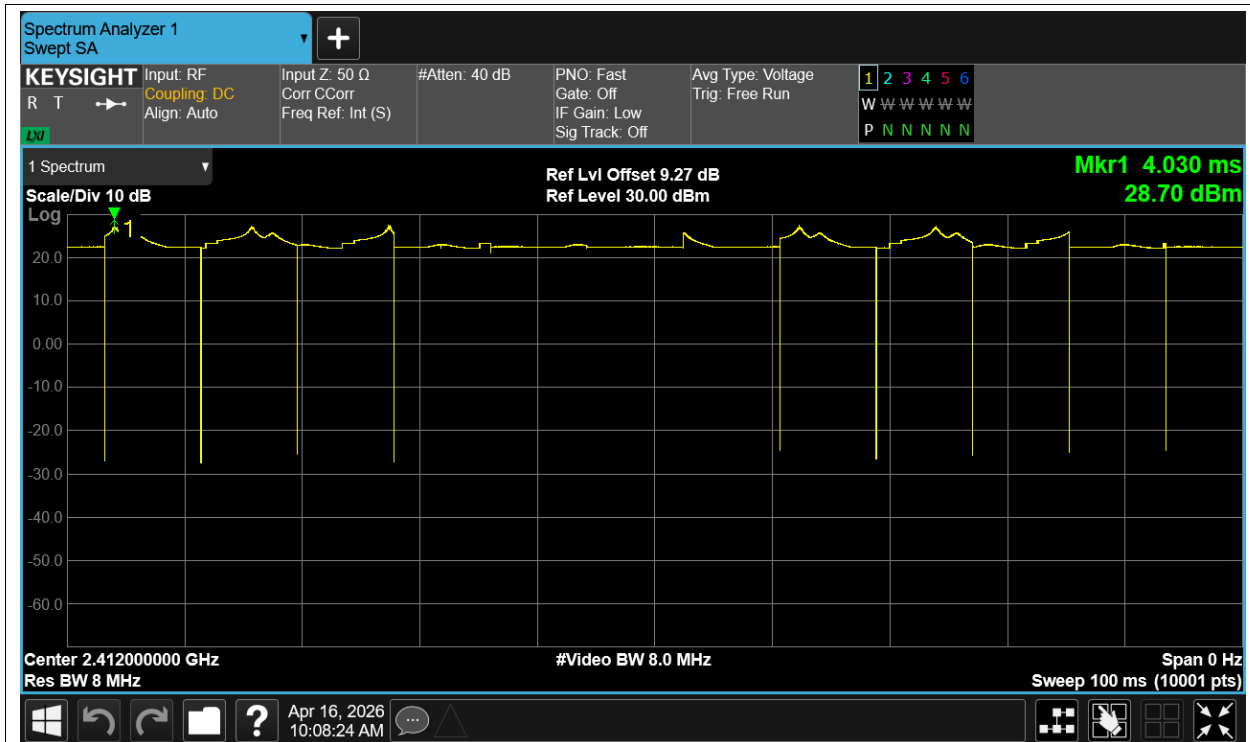
Duty Cycle NVNT ax40 2437MHz Sum



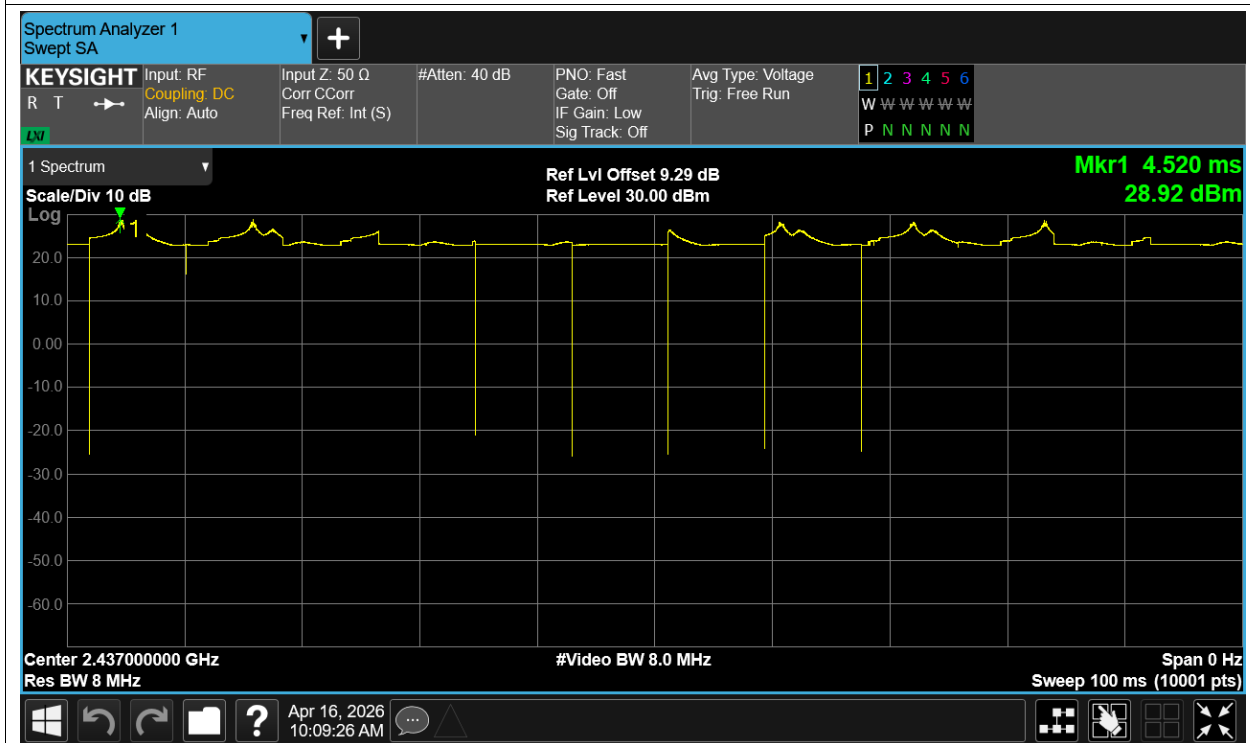
Duty Cycle NVNT ax40 2452MHz Sum



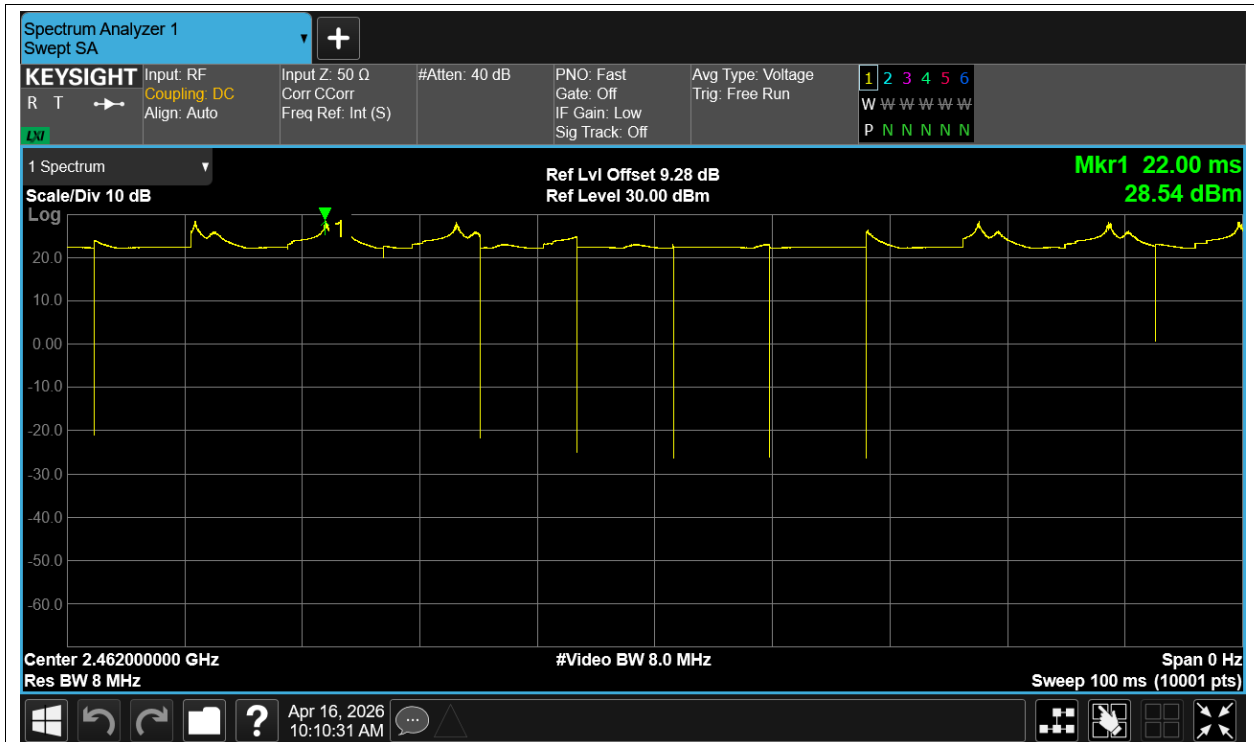
Duty Cycle NVNT b 2412MHz Ant1



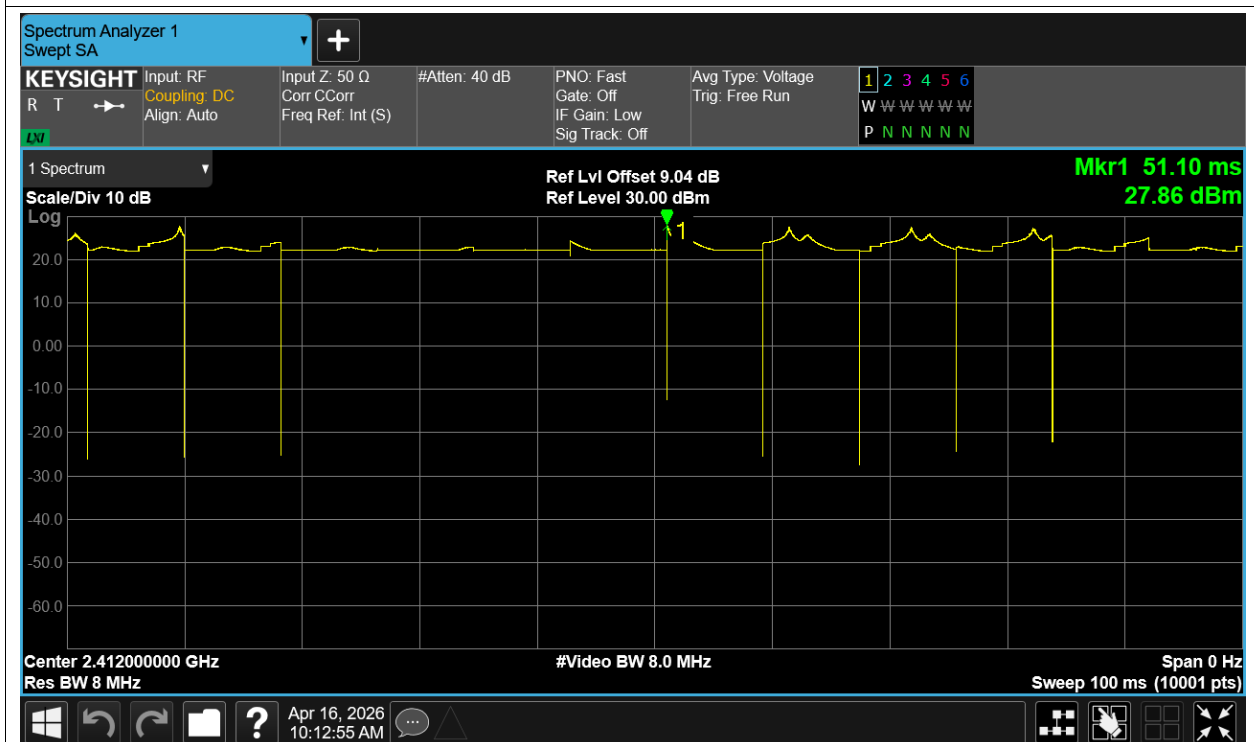
Duty Cycle NVNT b 2437MHz Ant1



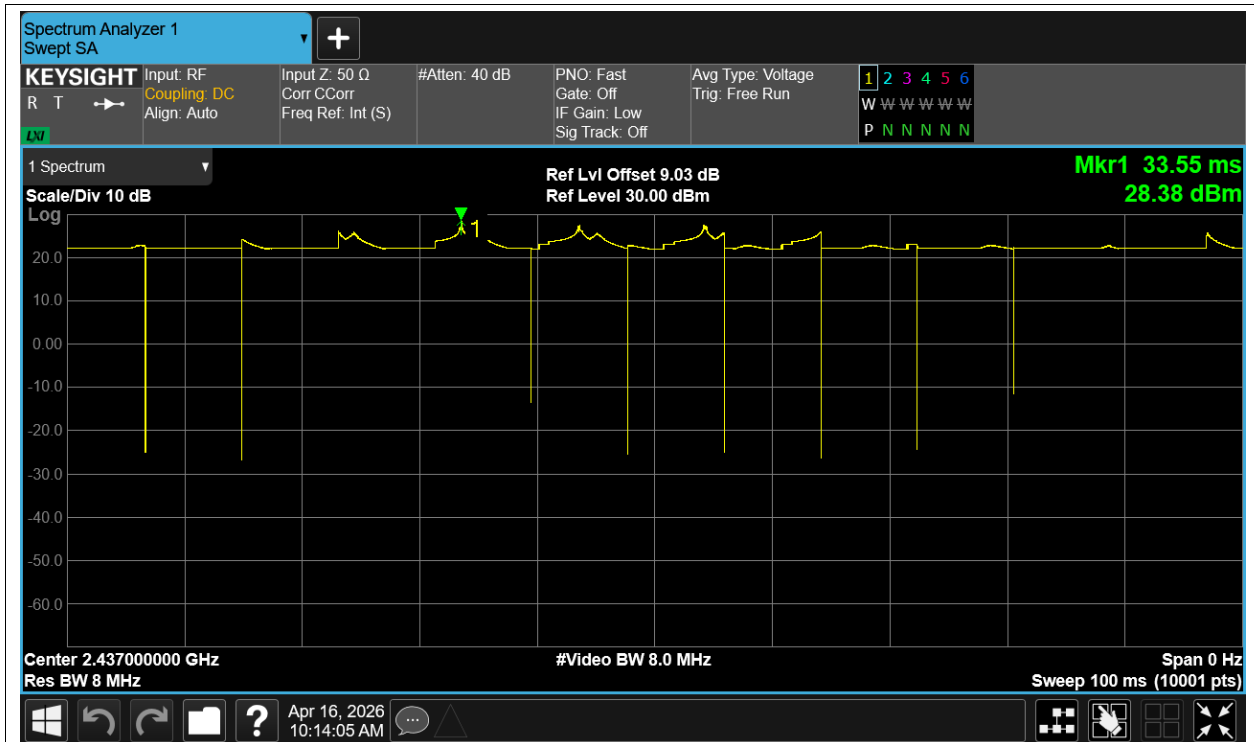
Duty Cycle NVNT b 2462MHz Ant1



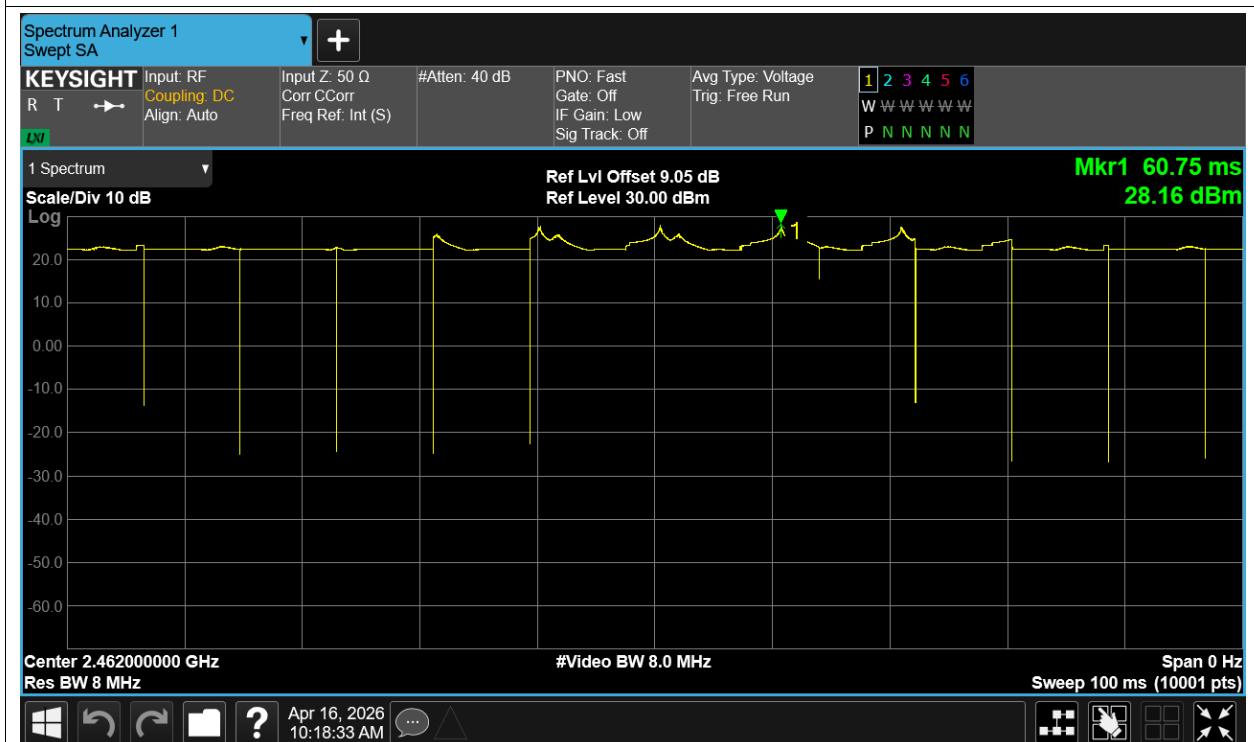
Duty Cycle NVNT b 2412MHz Ant2



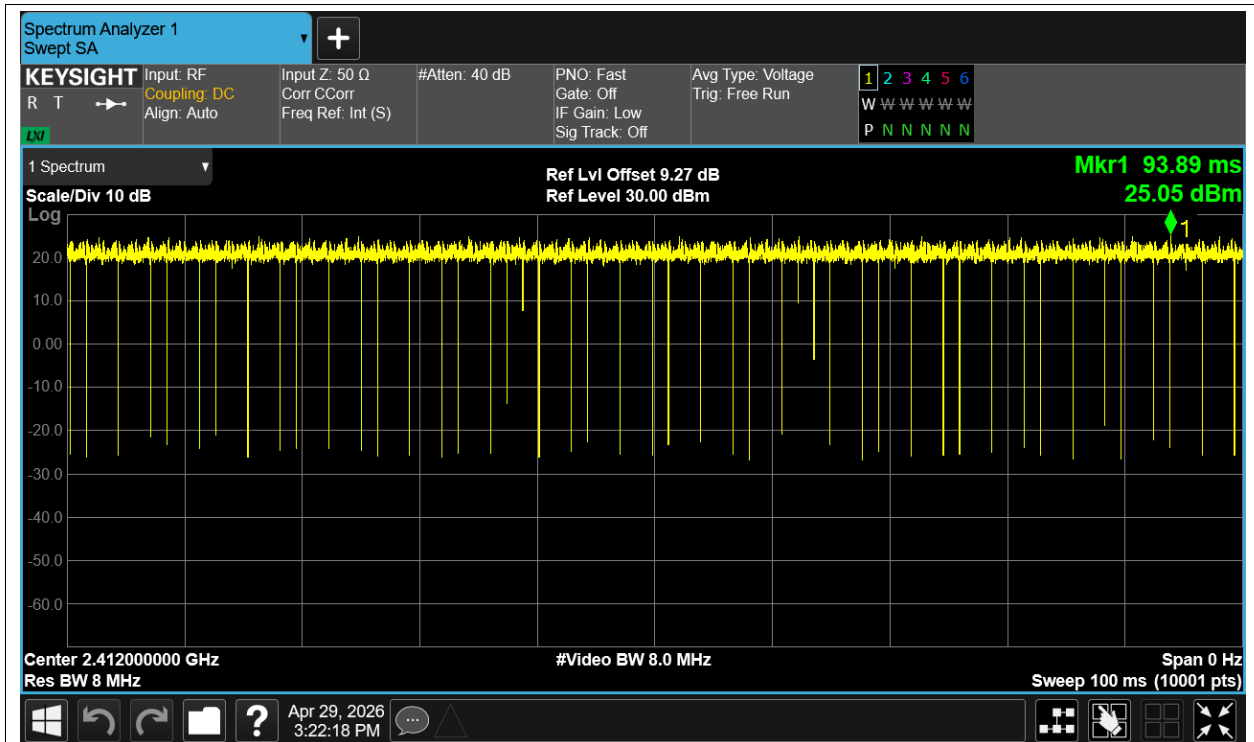
Duty Cycle NVNT b 2437MHz Ant2



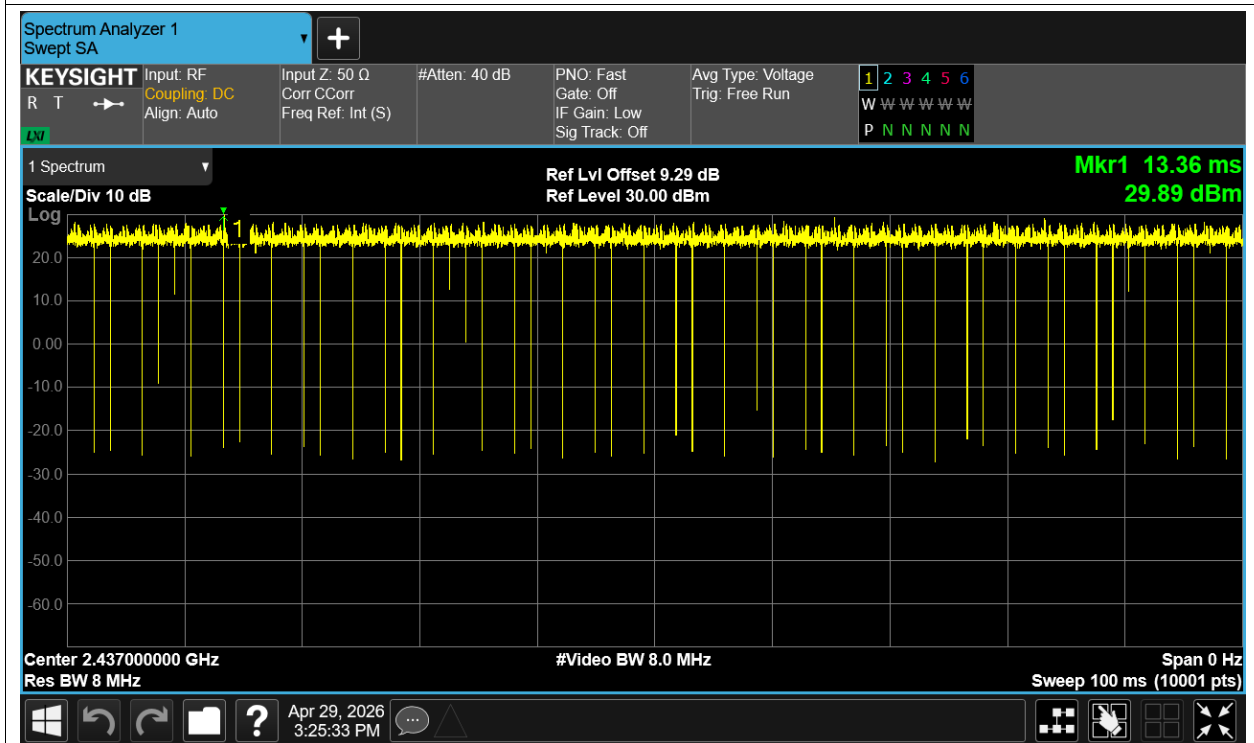
Duty Cycle NVNT b 2462MHz Ant2



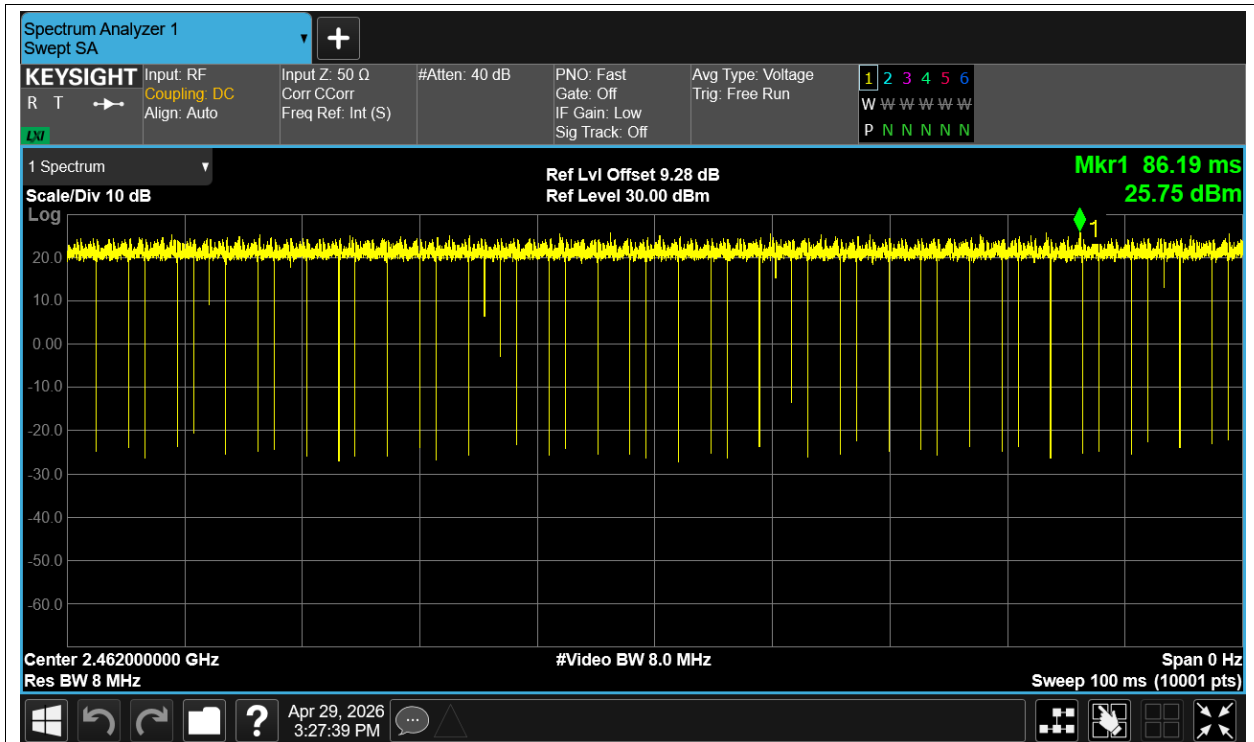
Duty Cycle NVNT g 2412MHz Ant1



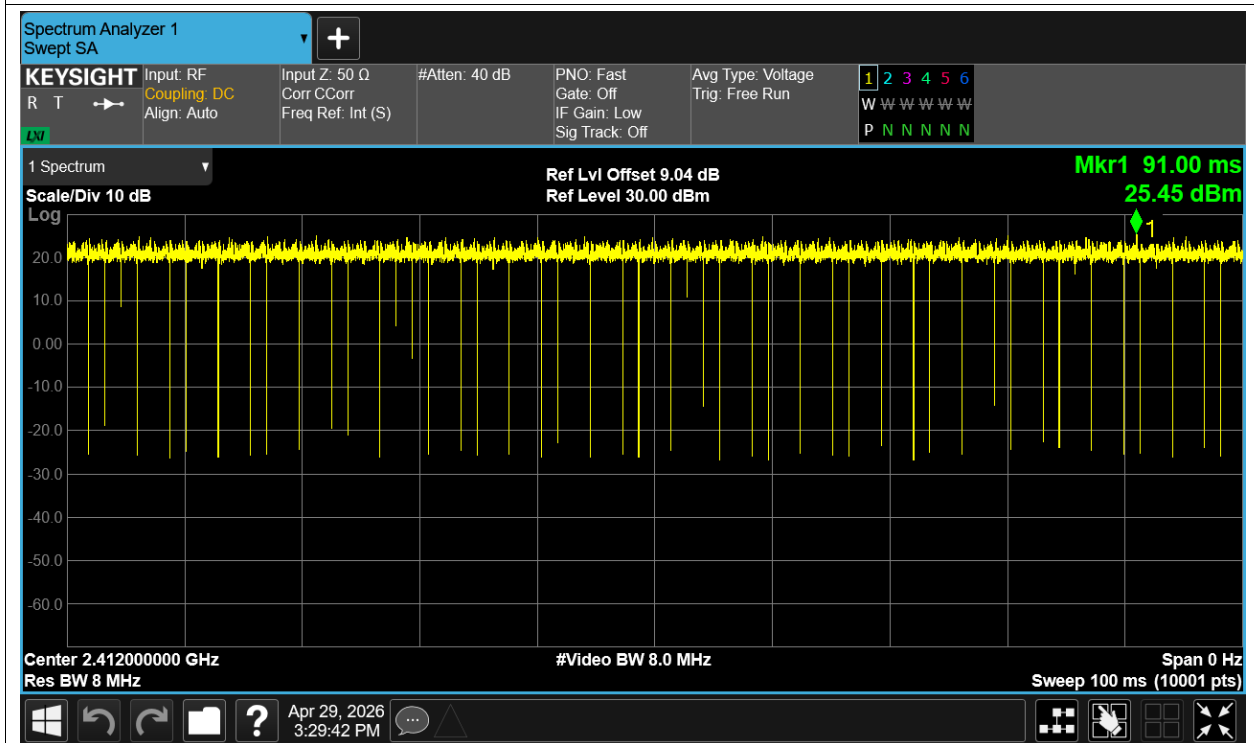
Duty Cycle NVNT g 2437MHz Ant1



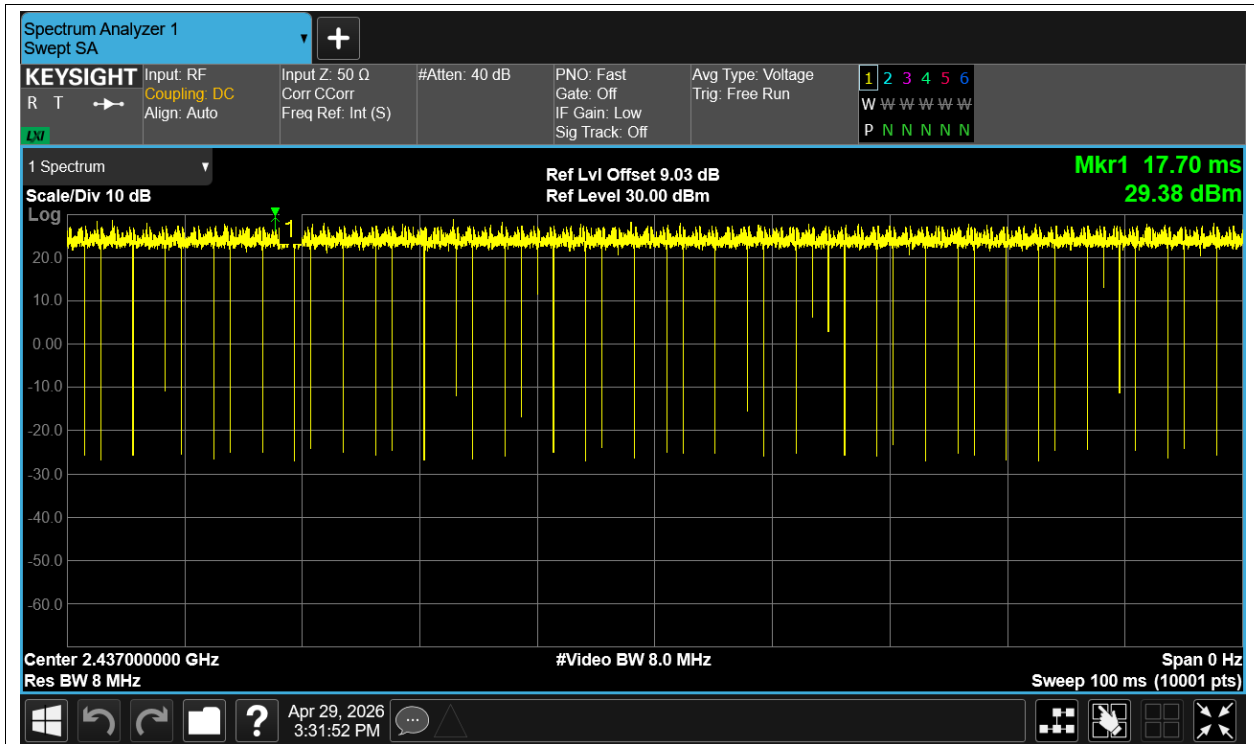
Duty Cycle NVNT g 2462MHz Ant1



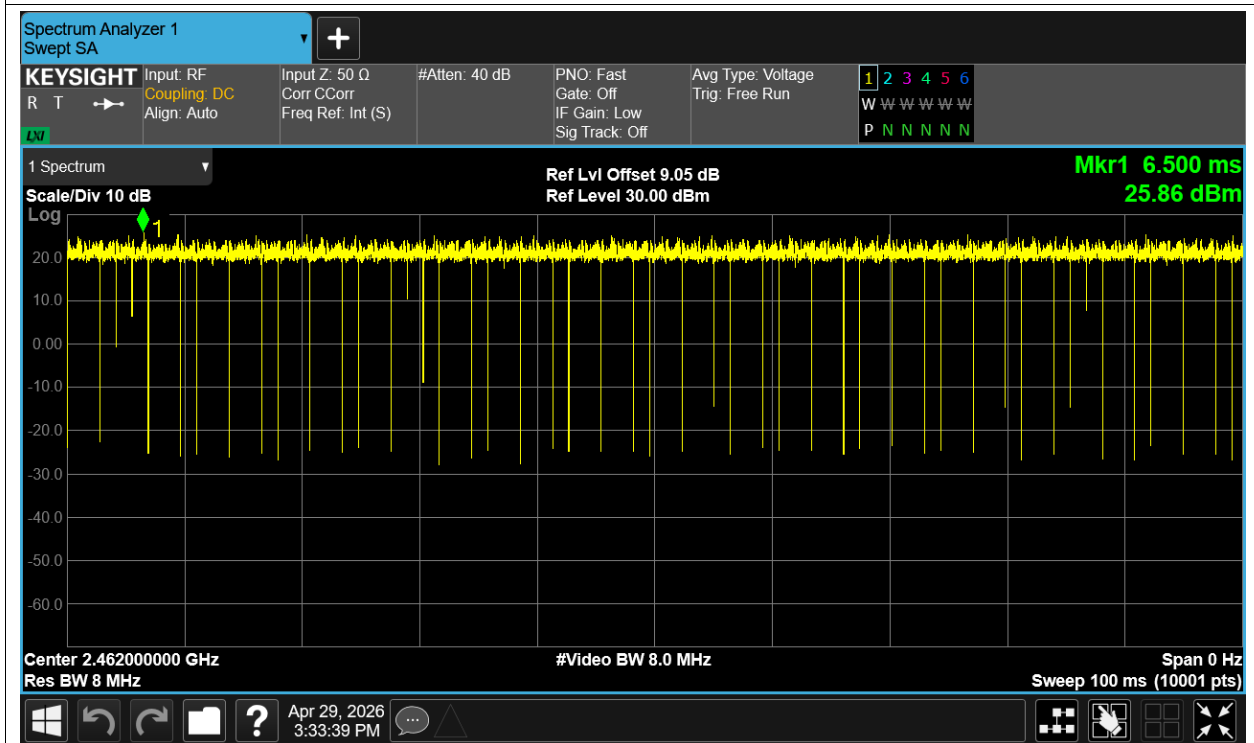
Duty Cycle NVNT g 2412MHz Ant2



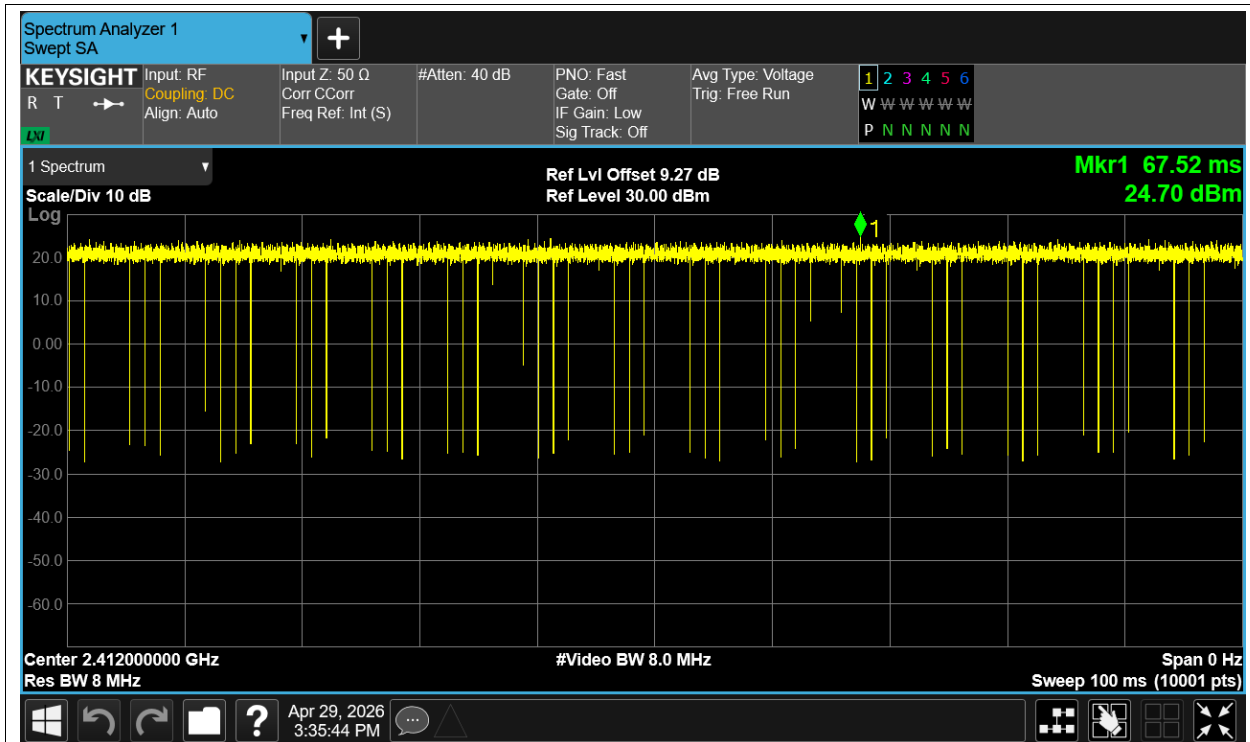
Duty Cycle NVNT g 2437MHz Ant2



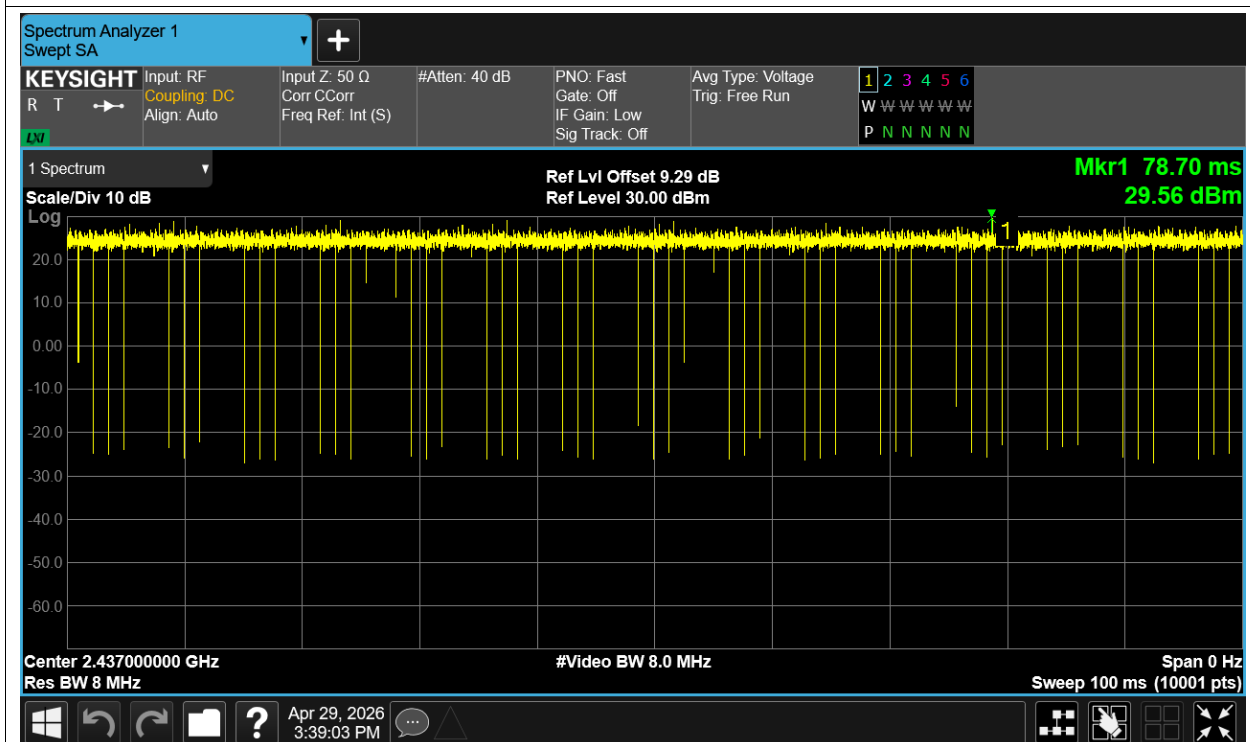
Duty Cycle NVNT g 2462MHz Ant2



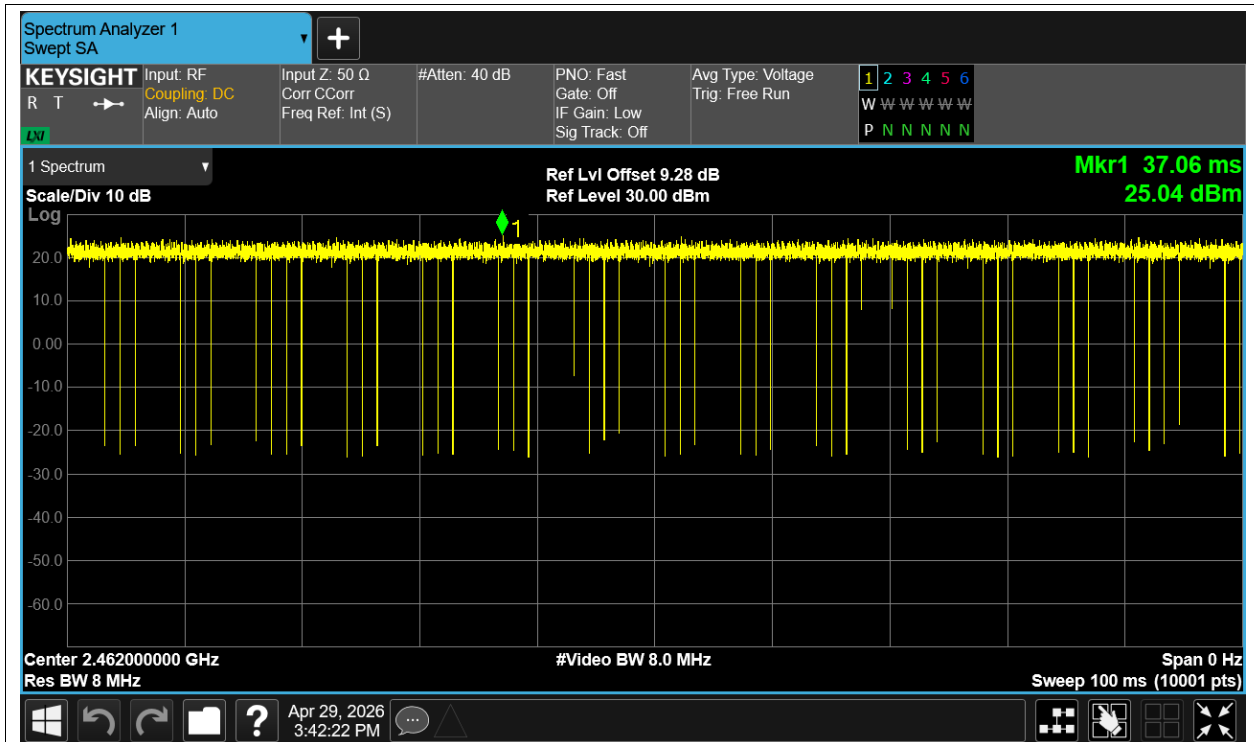
Duty Cycle NVNT n20 2412MHz Sum



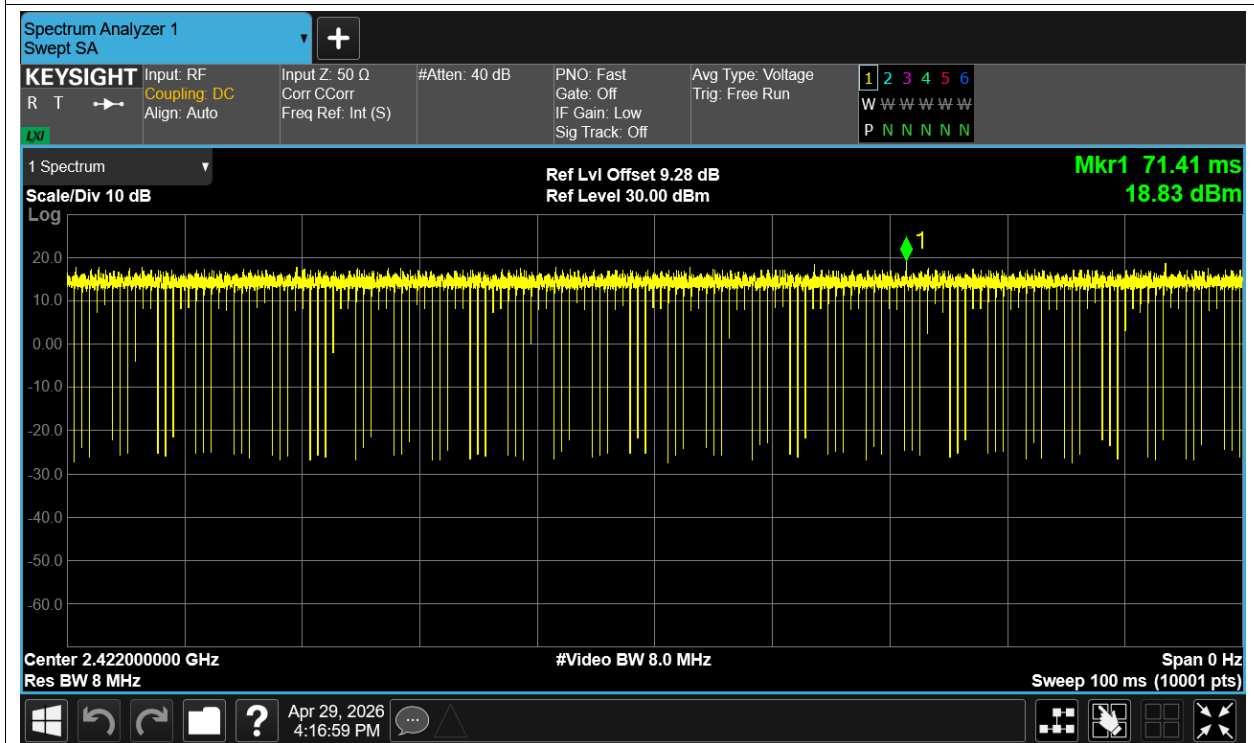
Duty Cycle NVNT n20 2437MHz Sum



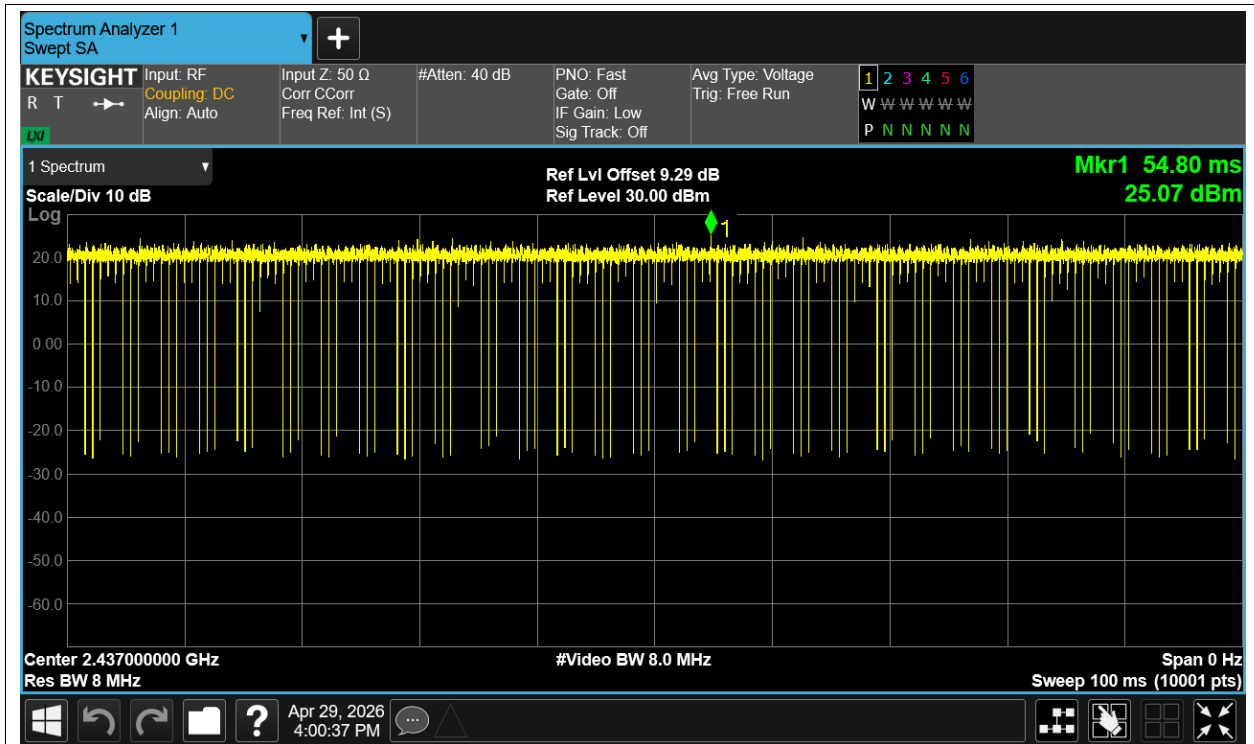
Duty Cycle NVNT n20 2462MHz Sum



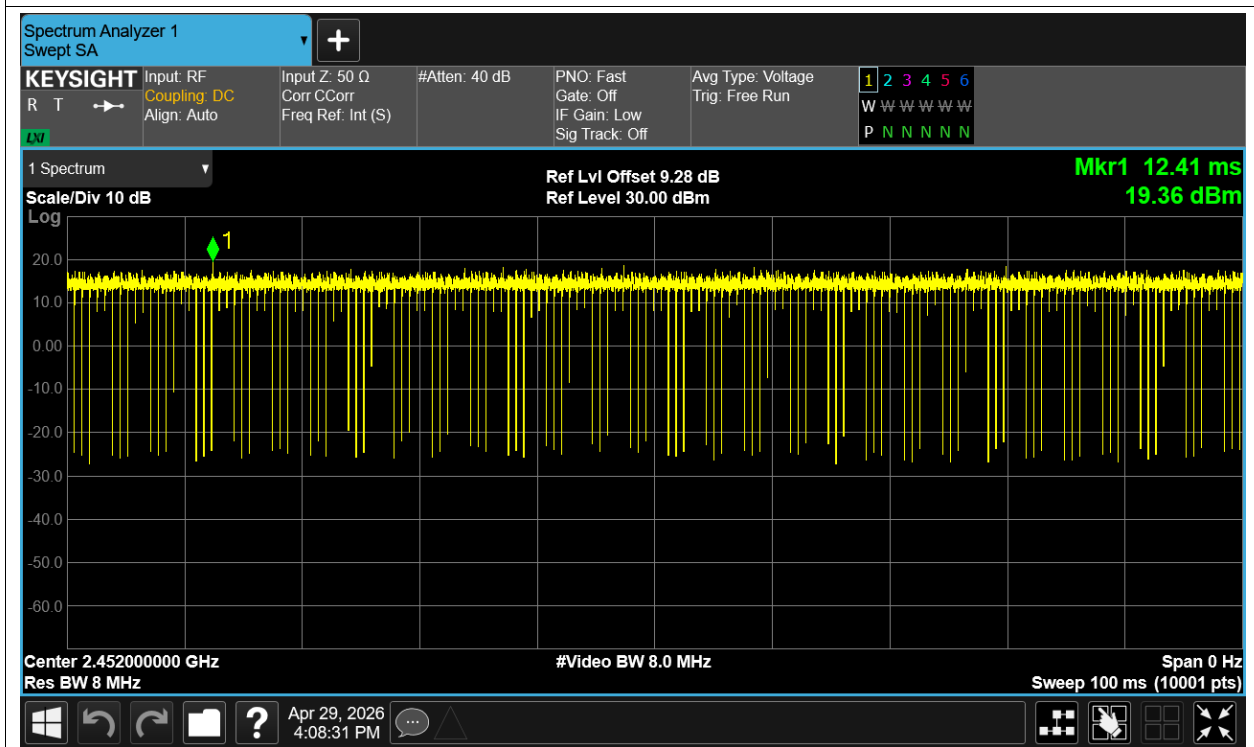
Duty Cycle NVNT n40 2422MHz Sum



Duty Cycle NVNT n40 2437MHz Sum



Duty Cycle NVNT n40 2452MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ax20	2412	Ant1	16.18	0.02	16.2	30	Pass
NVNT	ax20	2412	Ant2	16.22	0.02	16.24	30	Pass
NVNT	ax20	2412	Sum	19.21	0.02	19.23	30	Pass
NVNT	ax20	2437	Ant1	20.64	0.02	20.66	30	Pass
NVNT	ax20	2437	Ant2	20.33	0.02	20.35	30	Pass
NVNT	ax20	2437	Sum	23.498	0.02	23.518	30	Pass
NVNT	ax20	2462	Ant1	16.75	0.02	16.77	30	Pass
NVNT	ax20	2462	Ant2	16.6	0.02	16.62	30	Pass
NVNT	ax20	2462	Sum	19.686	0.02	19.706	30	Pass
NVNT	ax40	2422	Ant1	14.33	0.04	14.37	30	Pass
NVNT	ax40	2422	Ant2	14.18	0.04	14.22	30	Pass
NVNT	ax40	2422	Sum	17.266	0.04	17.306	30	Pass
NVNT	ax40	2437	Ant1	20.66	0.04	20.7	30	Pass
NVNT	ax40	2437	Ant2	20.28	0.04	20.32	30	Pass
NVNT	ax40	2437	Sum	23.484	0.04	23.524	30	Pass
NVNT	ax40	2452	Ant1	14.8	0.04	14.84	30	Pass
NVNT	ax40	2452	Ant2	14.5	0.04	14.54	30	Pass
NVNT	ax40	2452	Sum	17.663	0.04	17.703	30	Pass
NVNT	b	2412	Ant1	20.02	0	20.02	30	Pass
NVNT	b	2437	Ant1	19.93	0	19.93	30	Pass
NVNT	b	2462	Ant1	20.1	0	20.1	30	Pass
NVNT	b	2412	Ant2	20.02	0	20.02	30	Pass
NVNT	b	2437	Ant2	19.75	0	19.75	30	Pass
NVNT	b	2462	Ant2	20.3	0	20.3	30	Pass
NVNT	g	2412	Ant1	17.13	0.02	17.15	30	Pass
NVNT	g	2437	Ant1	20.56	0.02	20.58	30	Pass
NVNT	g	2462	Ant1	17.76	0.02	17.78	30	Pass
NVNT	g	2412	Ant2	17.36	0.02	17.38	30	Pass
NVNT	g	2437	Ant2	20.28	0.02	20.3	30	Pass
NVNT	g	2462	Ant2	17.72	0.02	17.74	30	Pass
NVNT	n20	2412	Ant1	17.06	0.02	17.08	30	Pass
NVNT	n20	2412	Ant2	17.15	0.02	17.17	30	Pass
NVNT	n20	2412	Sum	20.116	0.02	20.136	30	Pass
NVNT	n20	2437	Ant1	20.58	0.02	20.6	30	Pass
NVNT	n20	2437	Ant2	20.34	0.02	20.36	30	Pass
NVNT	n20	2437	Sum	23.472	0.02	23.492	30	Pass
NVNT	n20	2462	Ant1	17.72	0.02	17.74	30	Pass
NVNT	n20	2462	Ant2	17.7	0.02	17.72	30	Pass
NVNT	n20	2462	Sum	20.72	0.02	20.74	30	Pass
NVNT	n40	2422	Ant1	14.23	0.04	14.27	30	Pass

NVNT	n40	2422	Ant2	14.2	0.04	14.24	30	Pass
NVNT	n40	2422	Sum	17.225	0.04	17.265	30	Pass
NVNT	n40	2437	Ant1	20.54	0.04	20.58	30	Pass
NVNT	n40	2437	Ant2	20.16	0.04	20.2	30	Pass
NVNT	n40	2437	Sum	23.364	0.04	23.404	30	Pass
NVNT	n40	2452	Ant1	14.73	0.04	14.77	30	Pass
NVNT	n40	2452	Ant2	14.44	0.04	14.48	30	Pass
NVNT	n40	2452	Sum	17.598	0.04	17.638	30	Pass

Note: The limits need reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

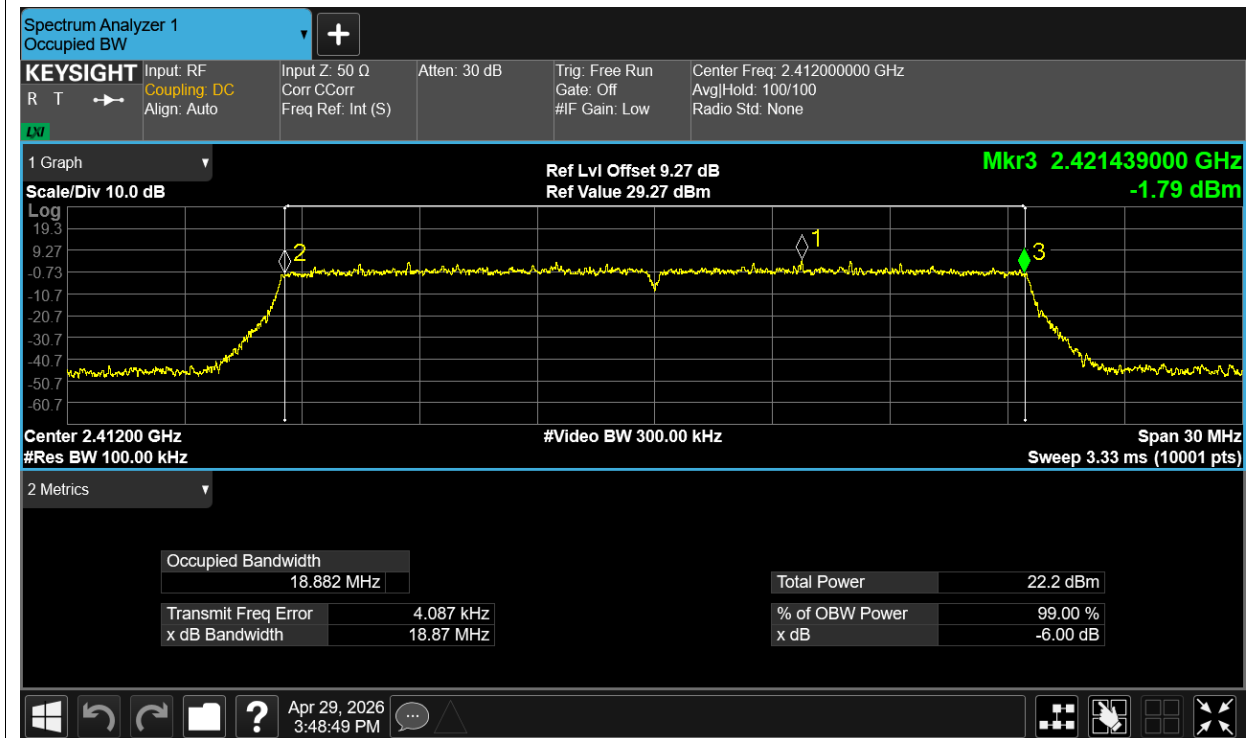
For MIMO mode: ant gain is $-0.94+10*\log_{10}(2) = -0.94+3.01=2.07\text{dB}$

-6dB Bandwidth

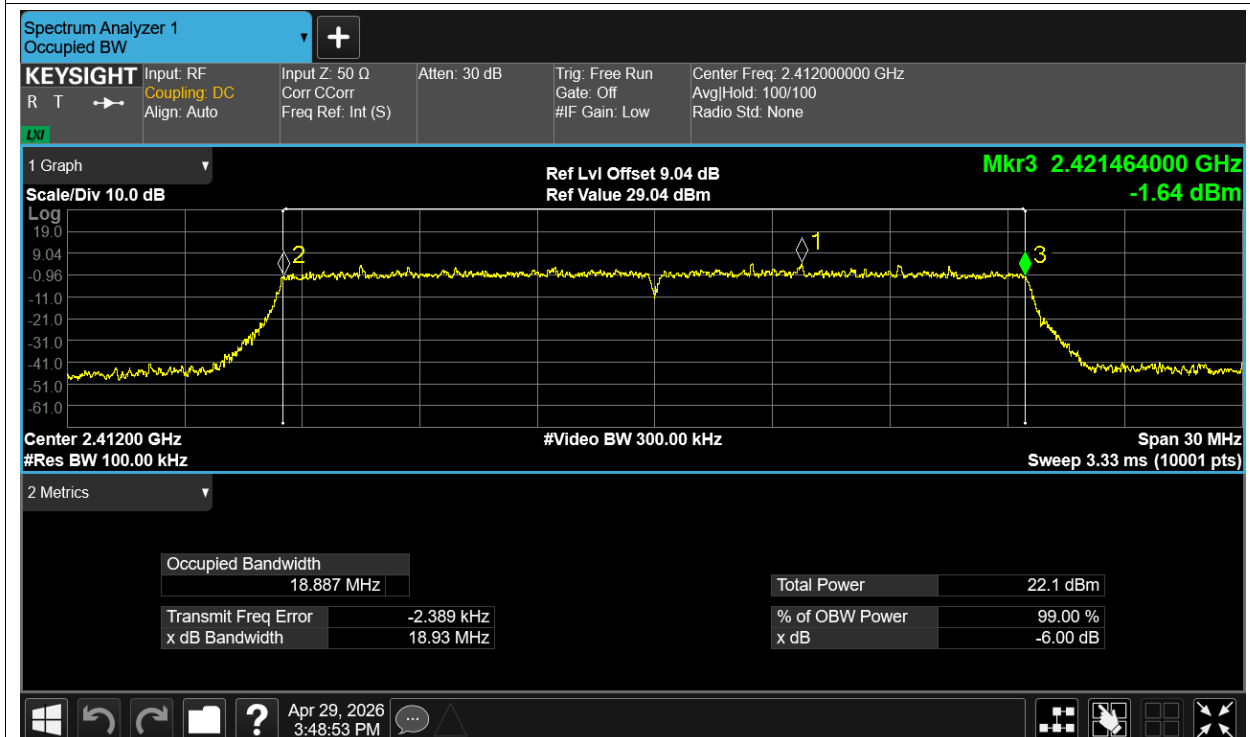
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit (MHz)	Verdic
NVNT	ax20	2412	Ant1	18.87	0.5	Pass
NVNT	ax20	2412	Ant2	18.933	0.5	Pass
NVNT	ax20	2437	Ant1	18.837	0.5	Pass
NVNT	ax20	2437	Ant2	18.902	0.5	Pass
NVNT	ax20	2462	Ant1	18.968	0.5	Pass
NVNT	ax20	2462	Ant2	18.9	0.5	Pass
NVNT	ax40	2422	Ant1	37.939	0.5	Pass
NVNT	ax40	2422	Ant2	37.91	0.5	Pass
NVNT	ax40	2437	Ant1	37.972	0.5	Pass
NVNT	ax40	2437	Ant2	38.038	0.5	Pass
NVNT	ax40	2452	Ant1	37.96	0.5	Pass
NVNT	ax40	2452	Ant2	37.956	0.5	Pass
NVNT	b	2412	Ant1	10.069	0.5	Pass
NVNT	b	2437	Ant1	10.08	0.5	Pass
NVNT	b	2462	Ant1	10.104	0.5	Pass
NVNT	b	2412	Ant2	10.113	0.5	Pass
NVNT	b	2437	Ant2	10.123	0.5	Pass
NVNT	b	2462	Ant2	10.094	0.5	Pass
NVNT	g	2412	Ant1	16.308	0.5	Pass
NVNT	g	2437	Ant1	16.338	0.5	Pass
NVNT	g	2462	Ant1	16.318	0.5	Pass
NVNT	g	2412	Ant2	16.328	0.5	Pass
NVNT	g	2437	Ant2	16.314	0.5	Pass
NVNT	g	2462	Ant2	16.313	0.5	Pass
NVNT	n20	2412	Ant1	17.538	0.5	Pass
NVNT	n20	2412	Ant2	17.55	0.5	Pass
NVNT	n20	2437	Ant1	17.543	0.5	Pass
NVNT	n20	2437	Ant2	17.566	0.5	Pass
NVNT	n20	2462	Ant1	17.297	0.5	Pass
NVNT	n20	2462	Ant2	17.307	0.5	Pass
NVNT	n40	2422	Ant1	36.314	0.5	Pass
NVNT	n40	2422	Ant2	36.322	0.5	Pass
NVNT	n40	2437	Ant1	36.315	0.5	Pass
NVNT	n40	2437	Ant2	36.317	0.5	Pass
NVNT	n40	2452	Ant1	36.328	0.5	Pass
NVNT	n40	2452	Ant2	36.323	0.5	Pass

Test Graphs

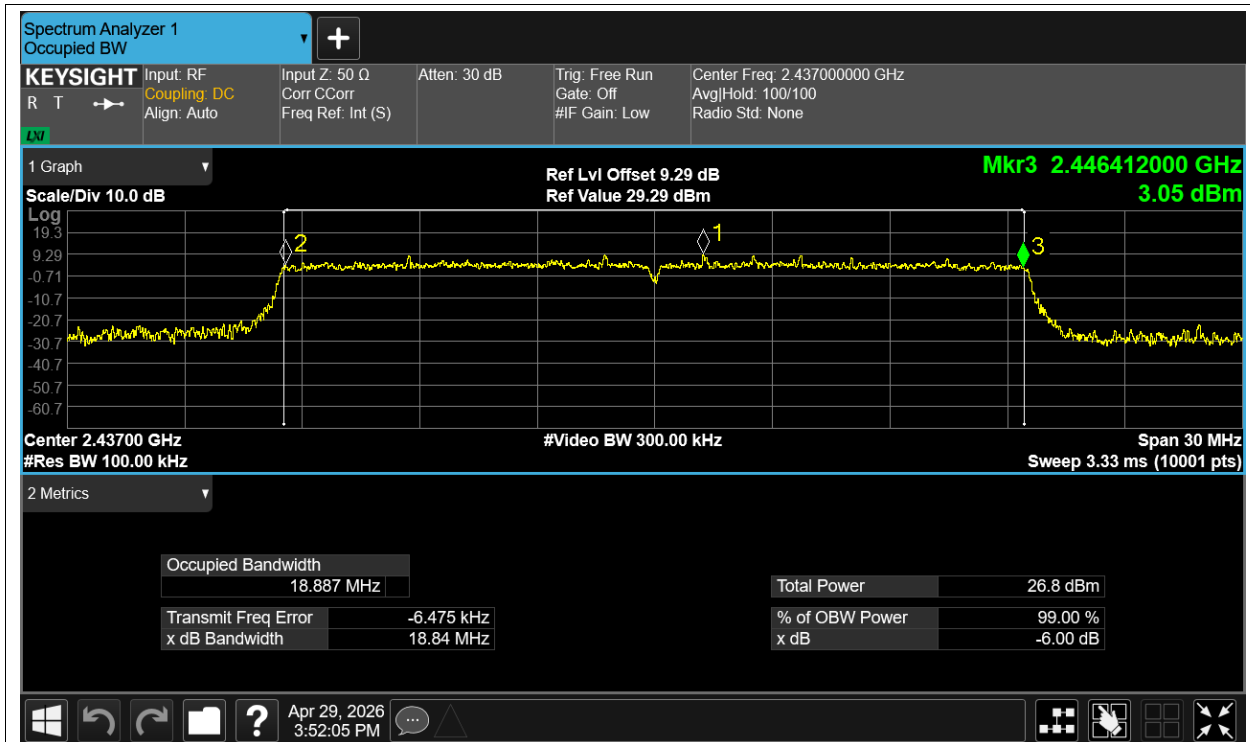
-6dB Bandwidth NVNT ax20 2412MHz Ant1



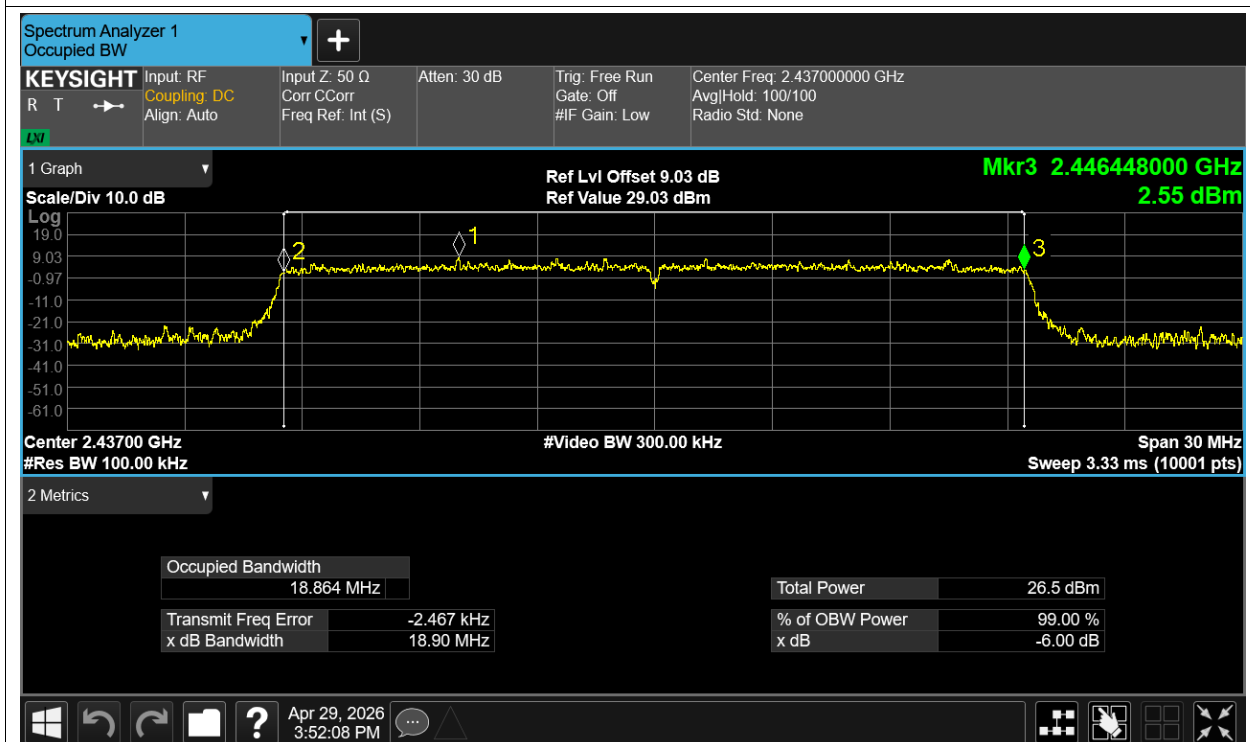
-6dB Bandwidth NVNT ax20 2412MHz Ant2



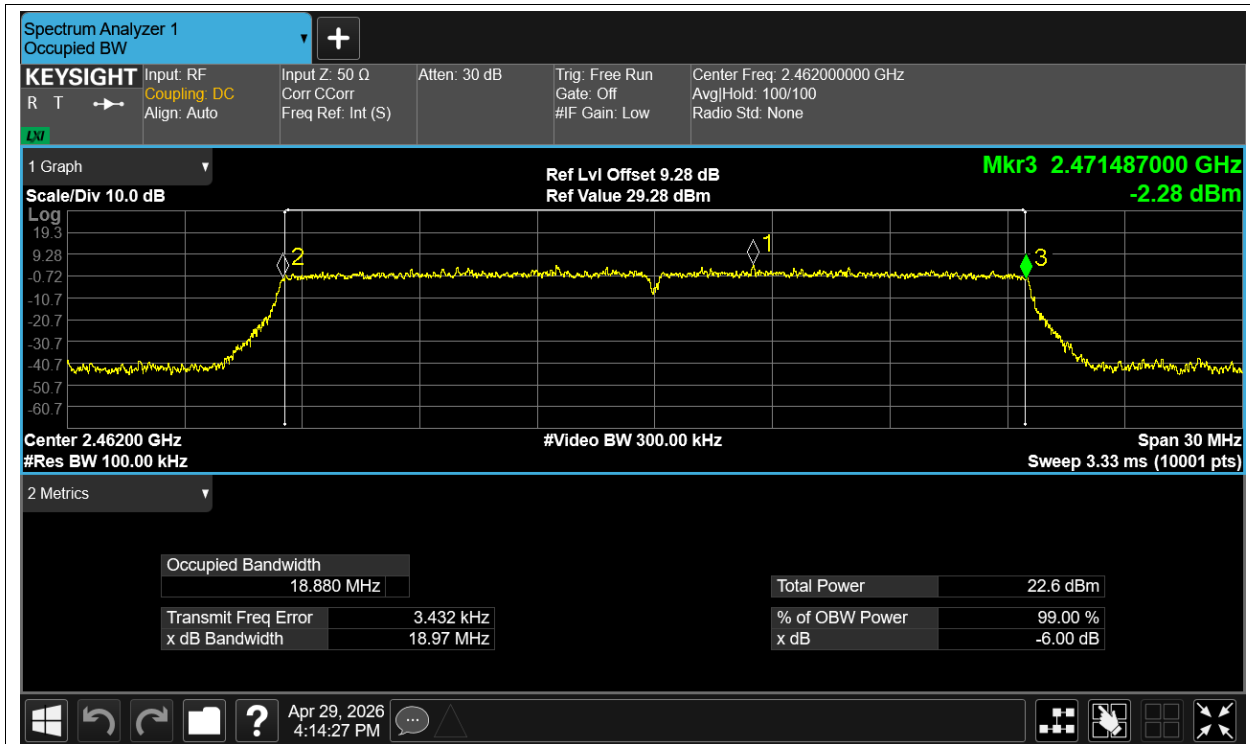
-6dB Bandwidth NVNT ax20 2437MHz Ant1



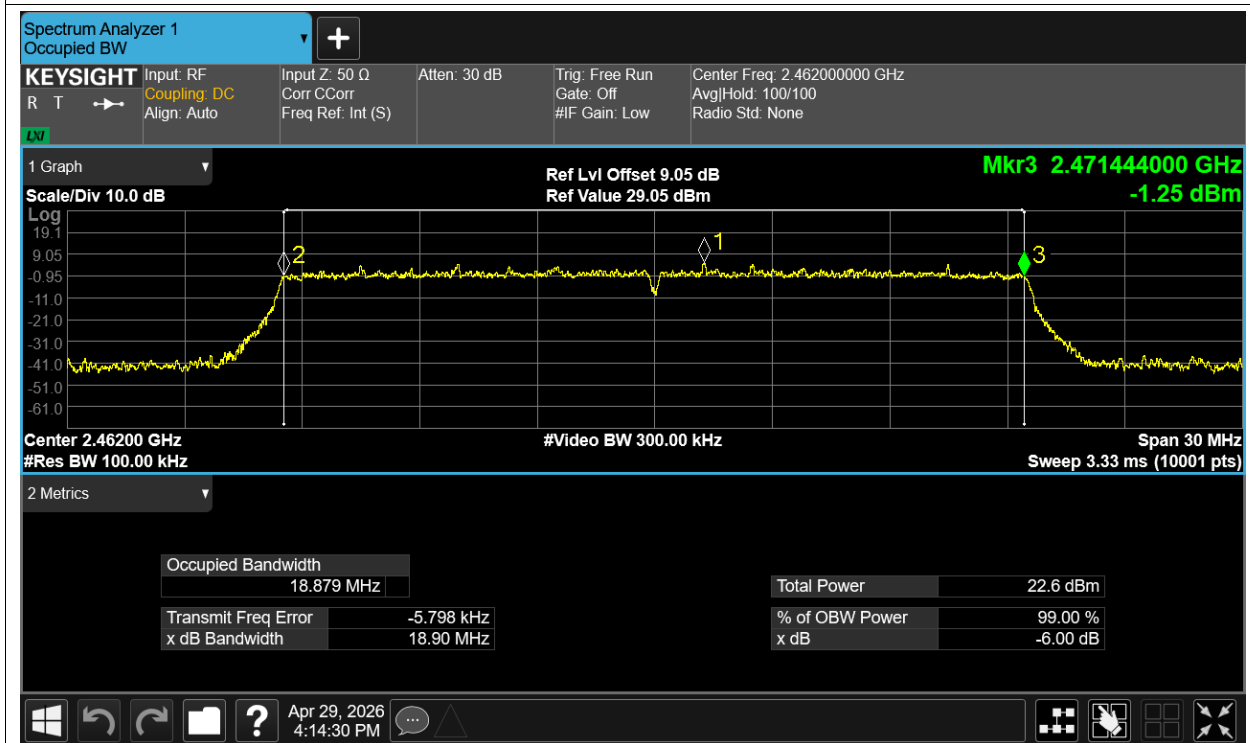
-6dB Bandwidth NVNT ax20 2437MHz Ant2



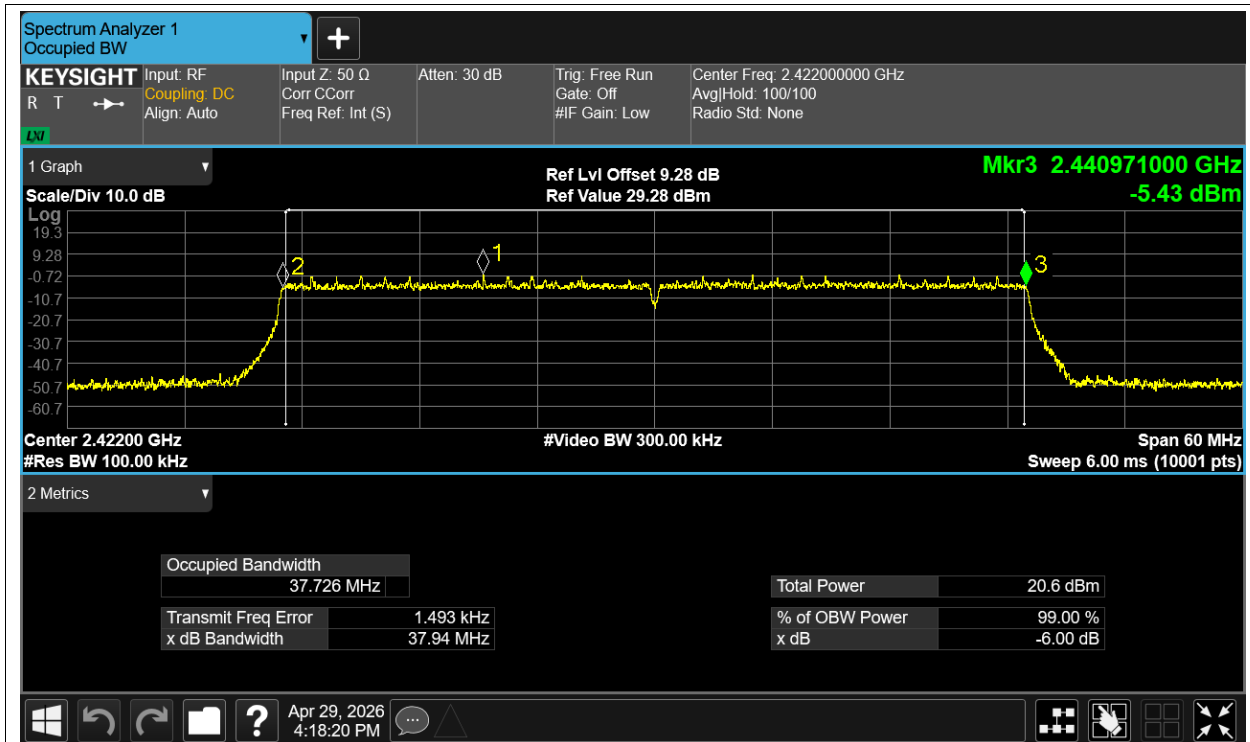
-6dB Bandwidth NVNT ax20 2462MHz Ant1



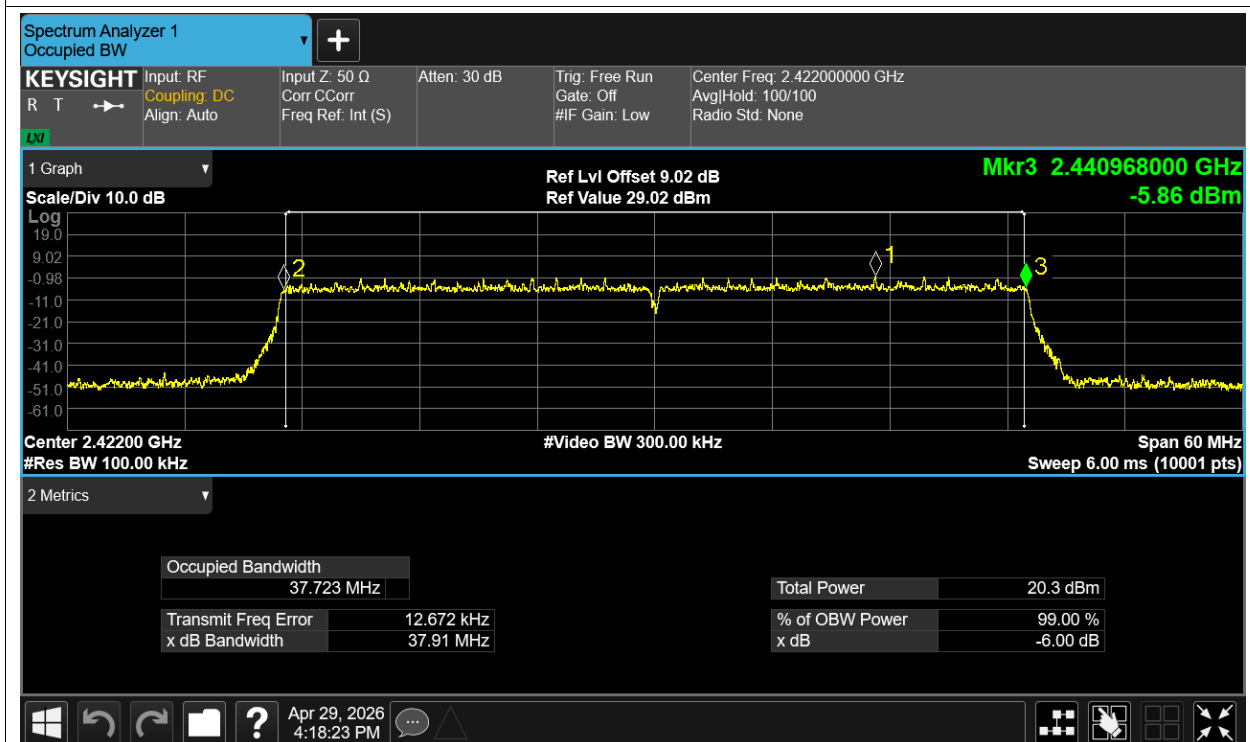
-6dB Bandwidth NVNT ax20 2462MHz Ant2



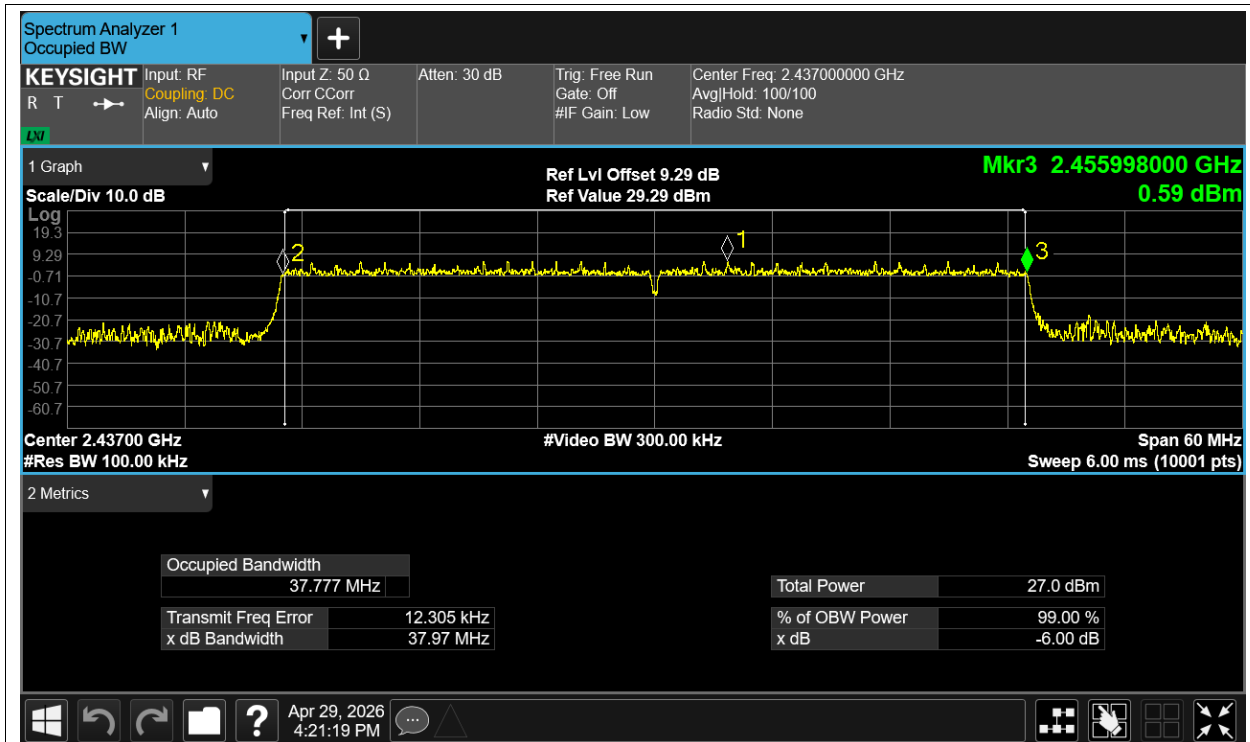
-6dB Bandwidth NVNT ax40 2422MHz Ant1



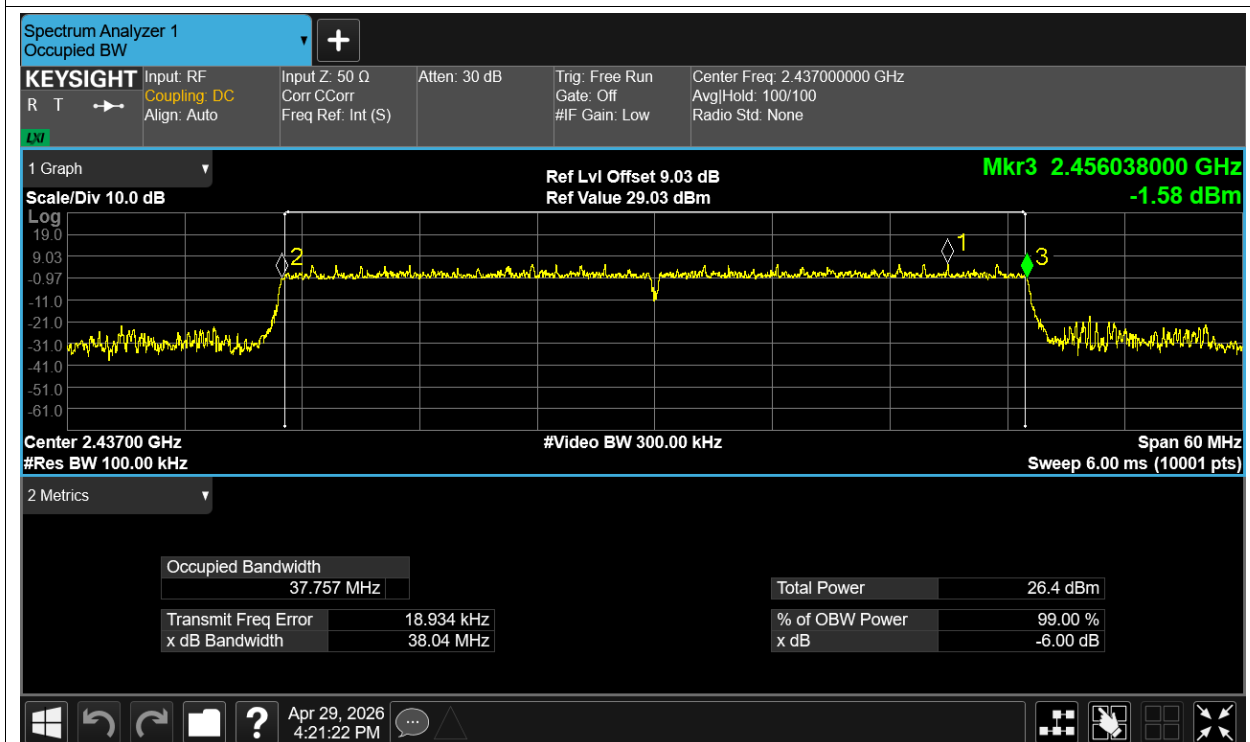
-6dB Bandwidth NVNT ax40 2422MHz Ant2



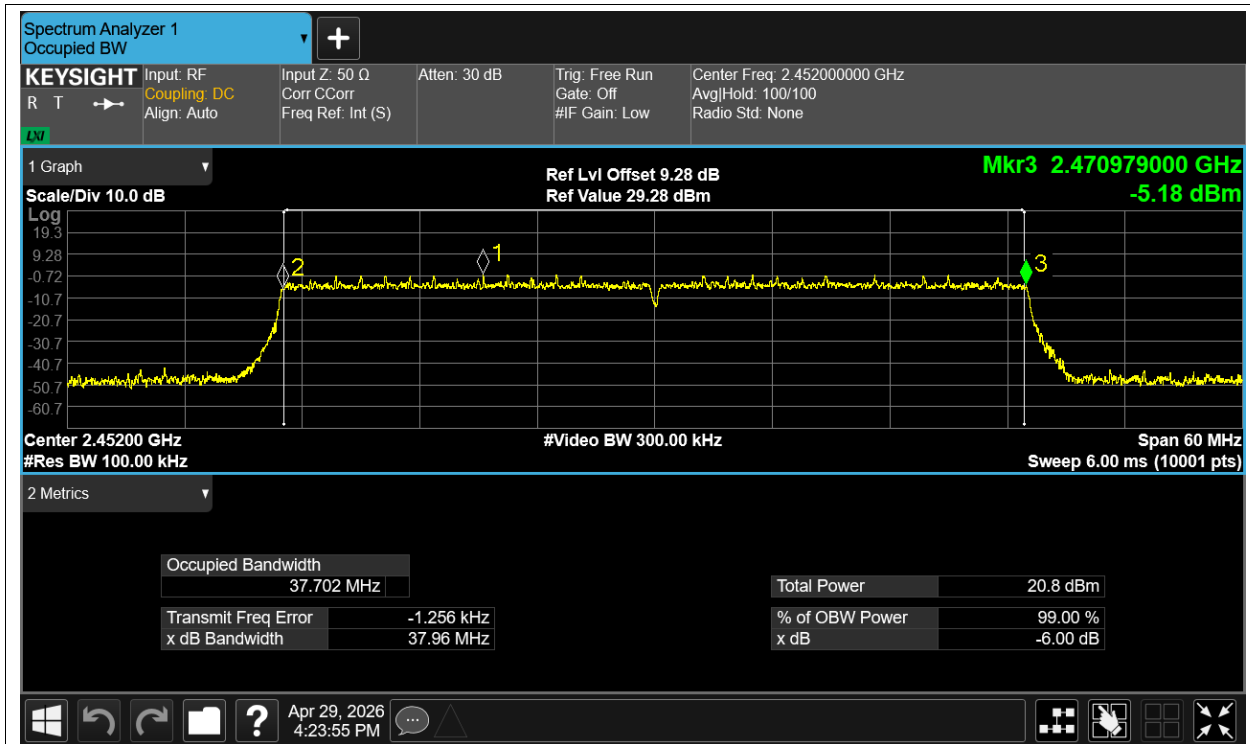
-6dB Bandwidth NVNT ax40 2437MHz Ant1



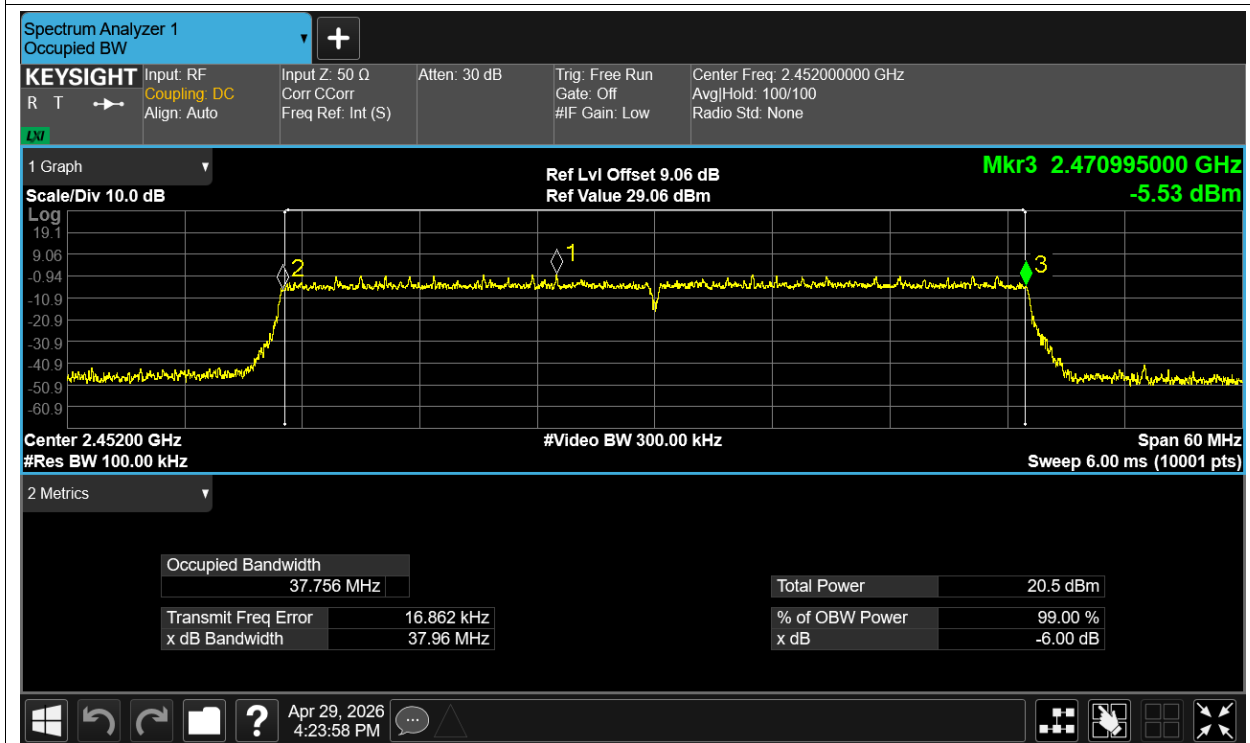
-6dB Bandwidth NVNT ax40 2437MHz Ant2



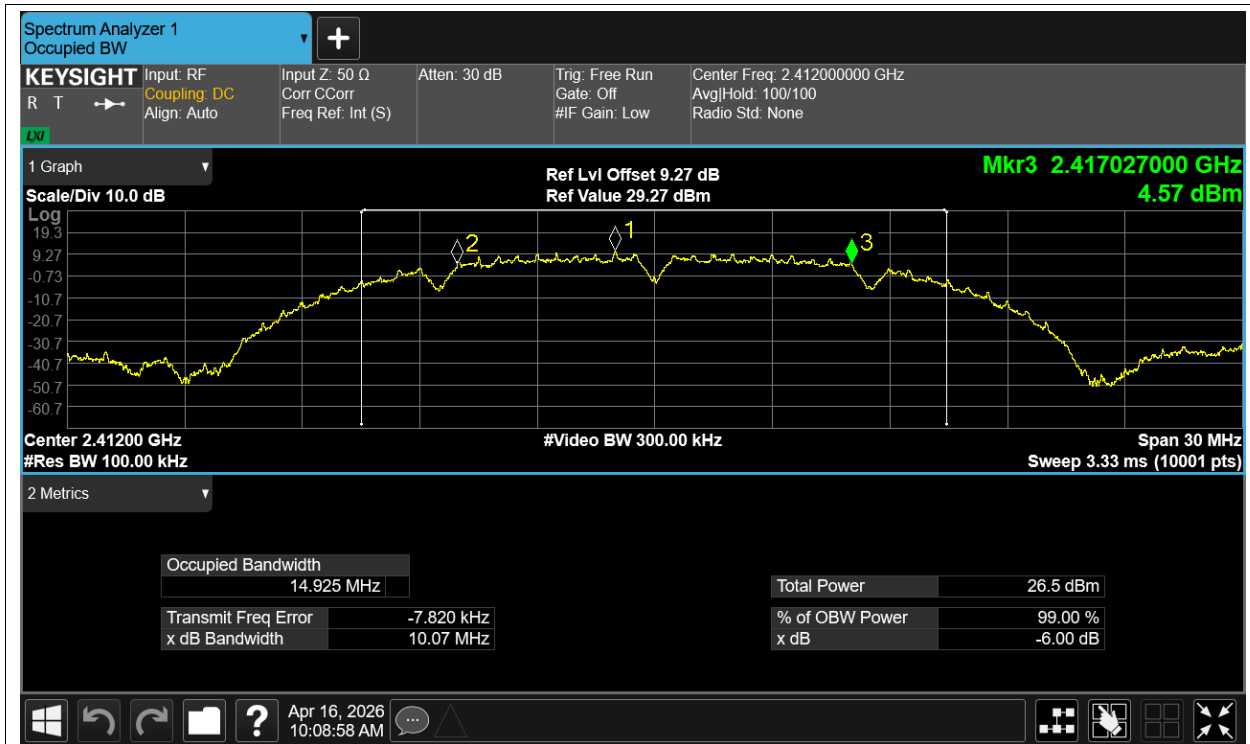
-6dB Bandwidth NVNT ax40 2452MHz Ant1



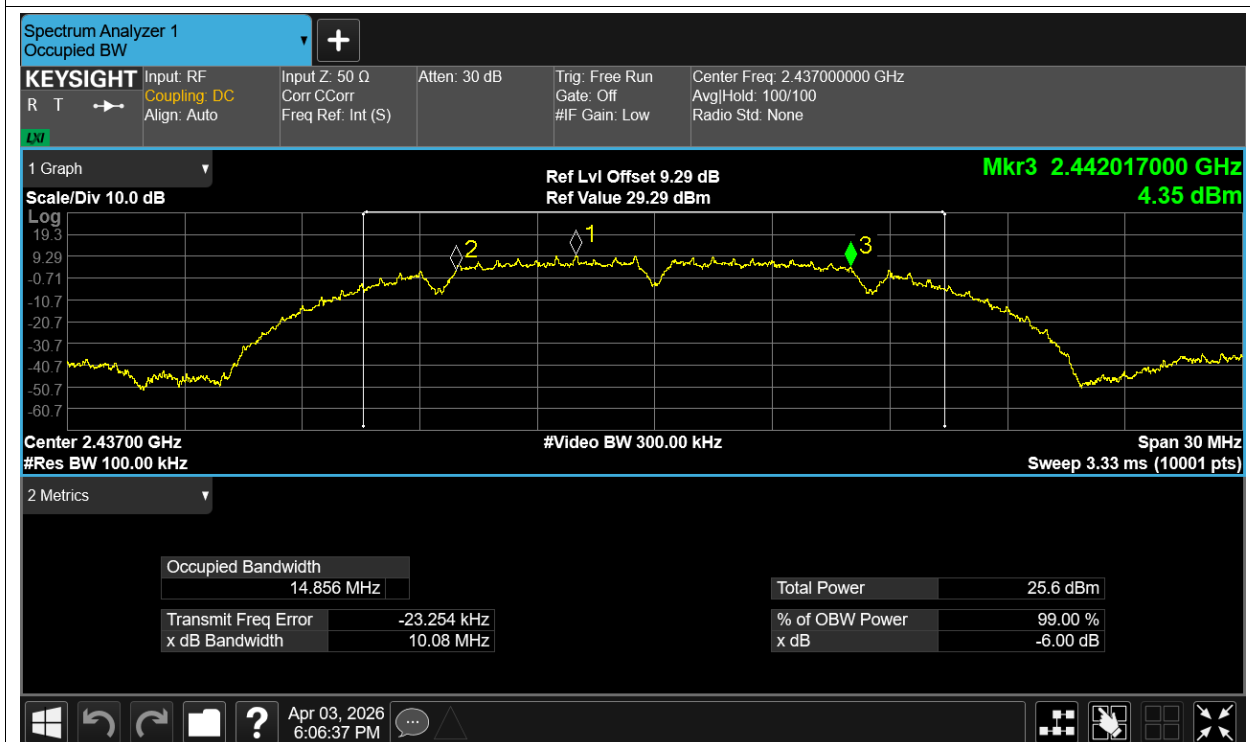
-6dB Bandwidth NVNT ax40 2452MHz Ant2



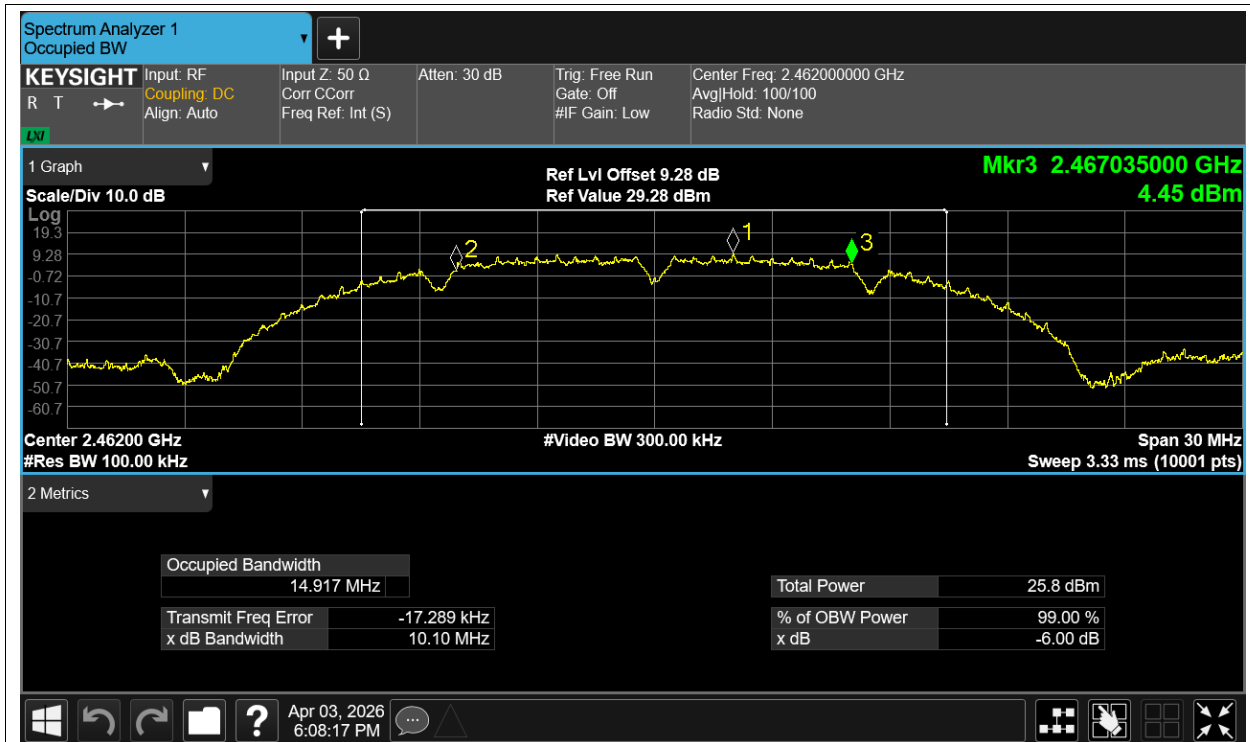
-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



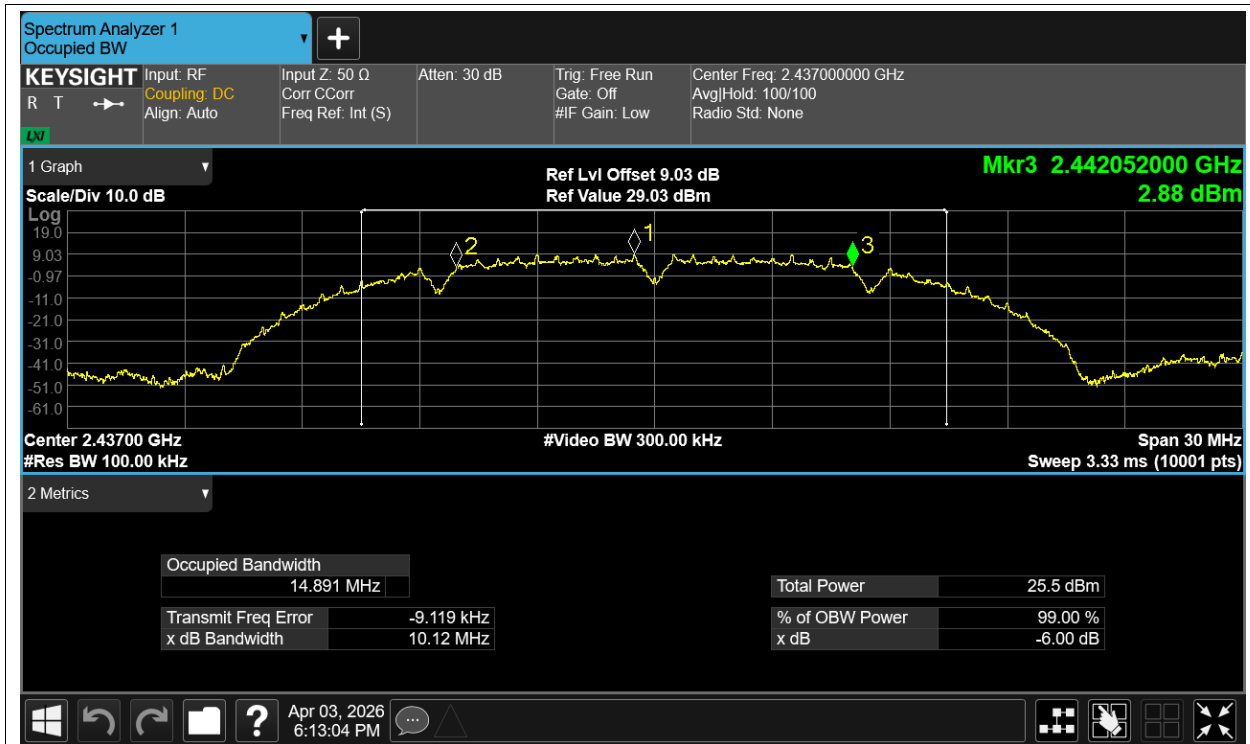
-6dB Bandwidth NVNT b 2462MHz Ant1



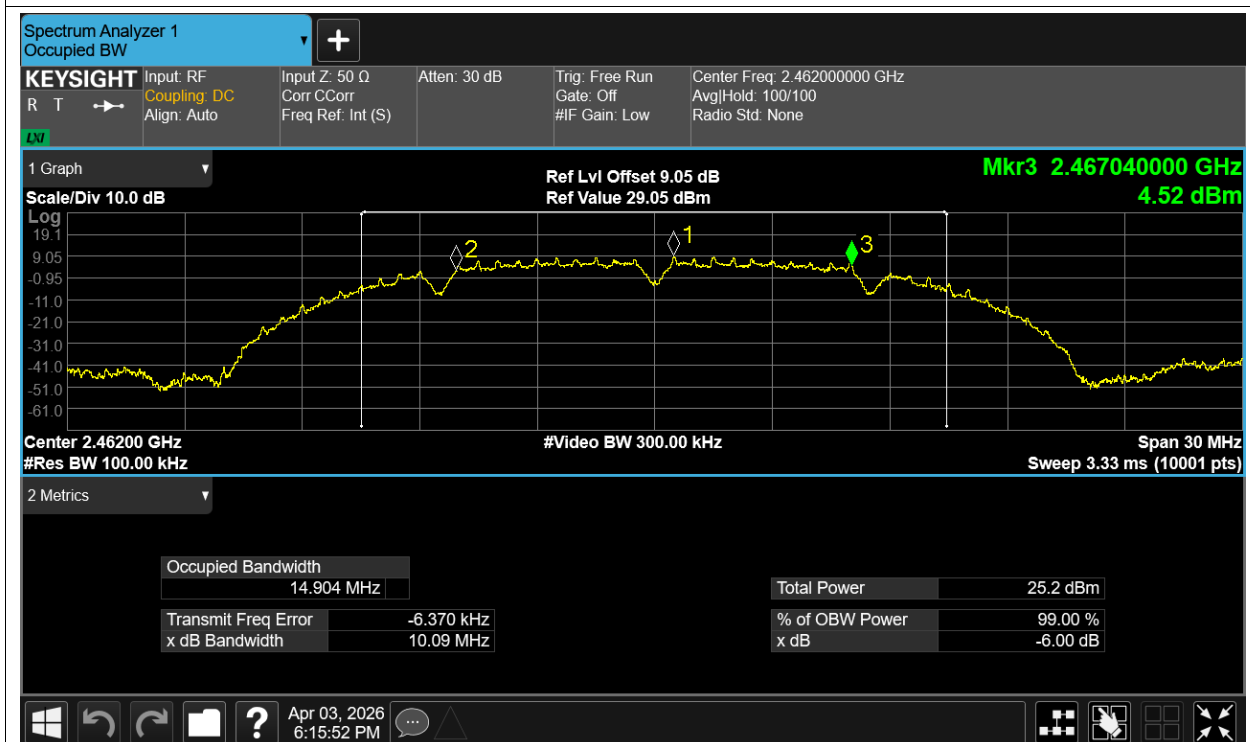
-6dB Bandwidth NVNT b 2412MHz Ant2



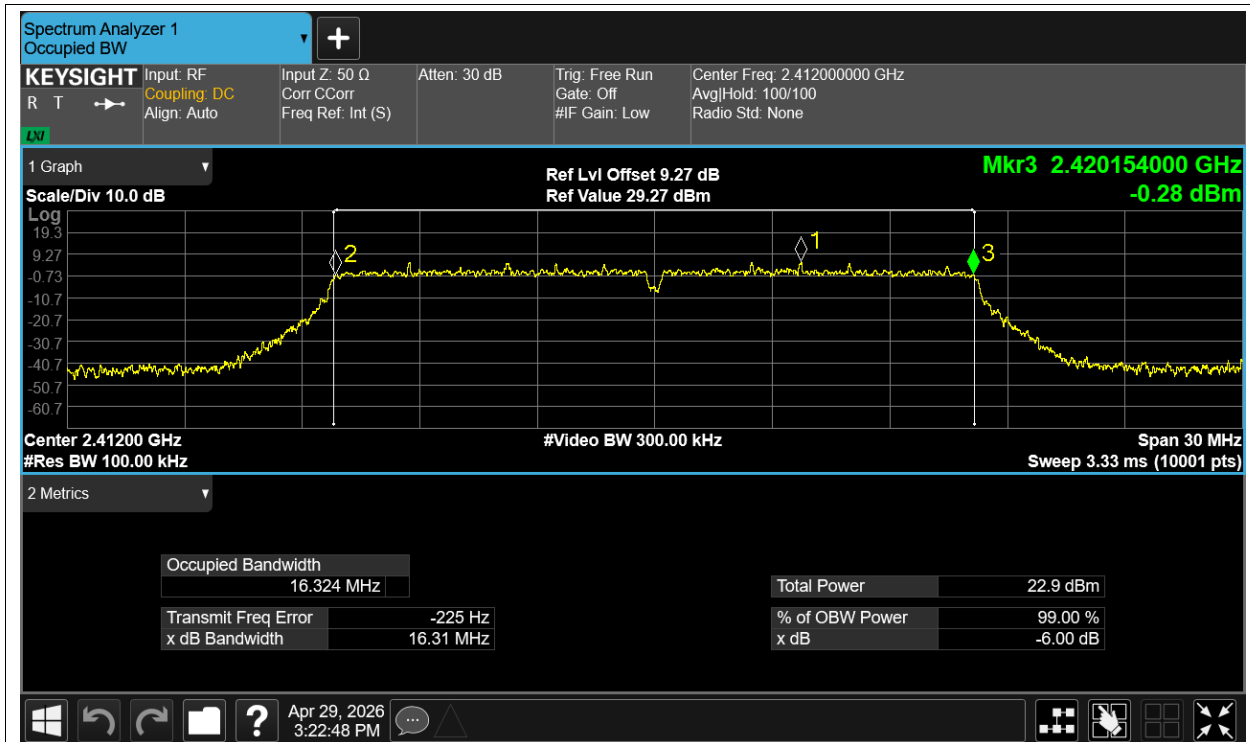
-6dB Bandwidth NVNT b 2437MHz Ant2



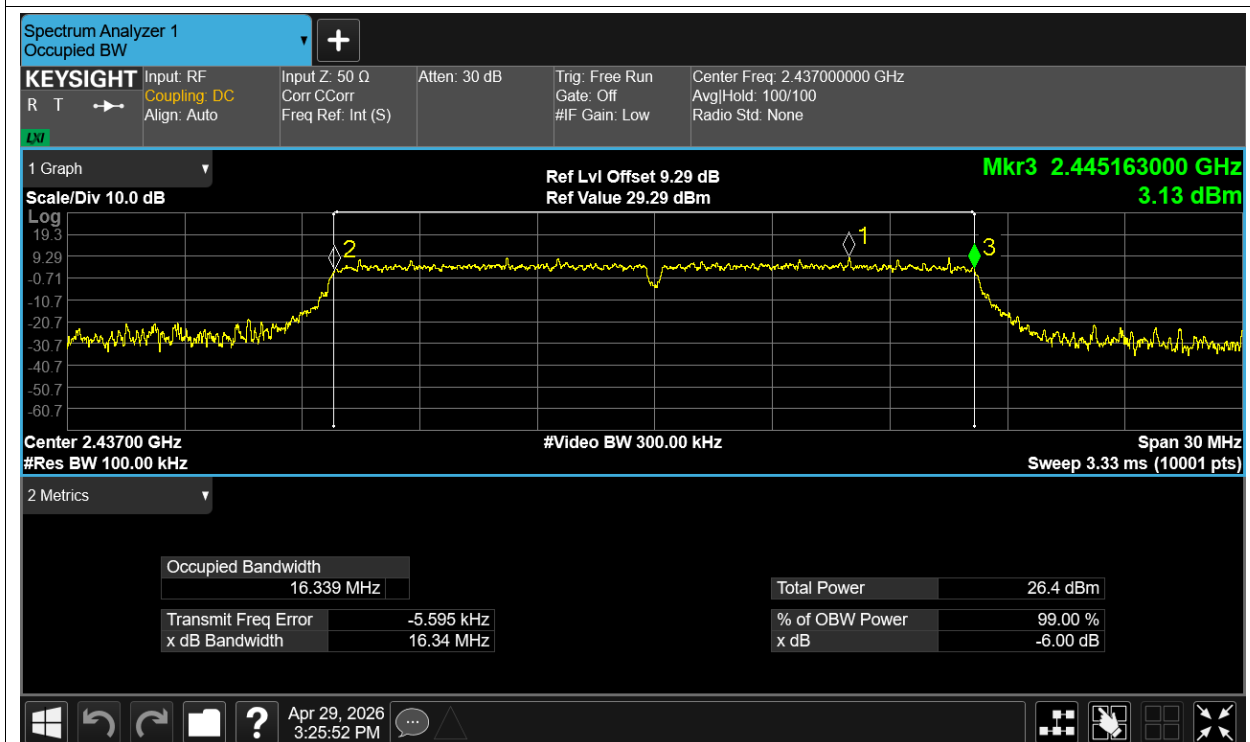
-6dB Bandwidth NVNT b 2462MHz Ant2



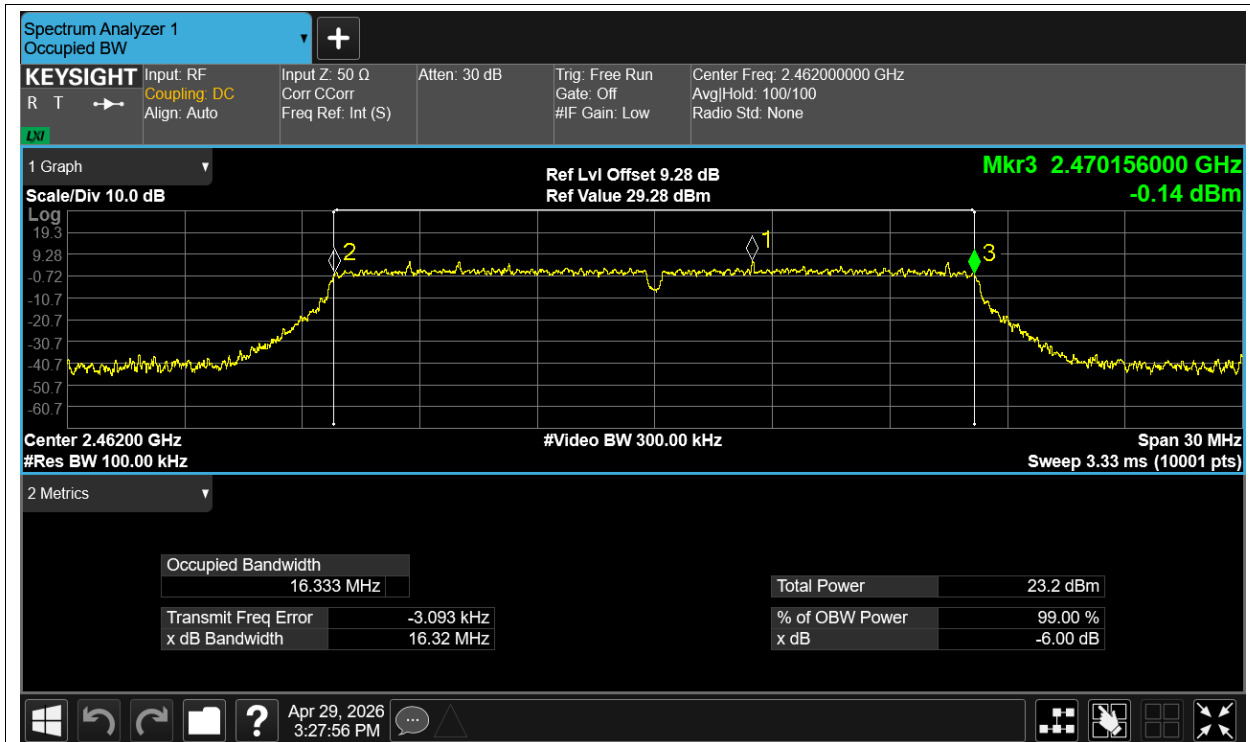
-6dB Bandwidth NVNT g 2412MHz Ant1



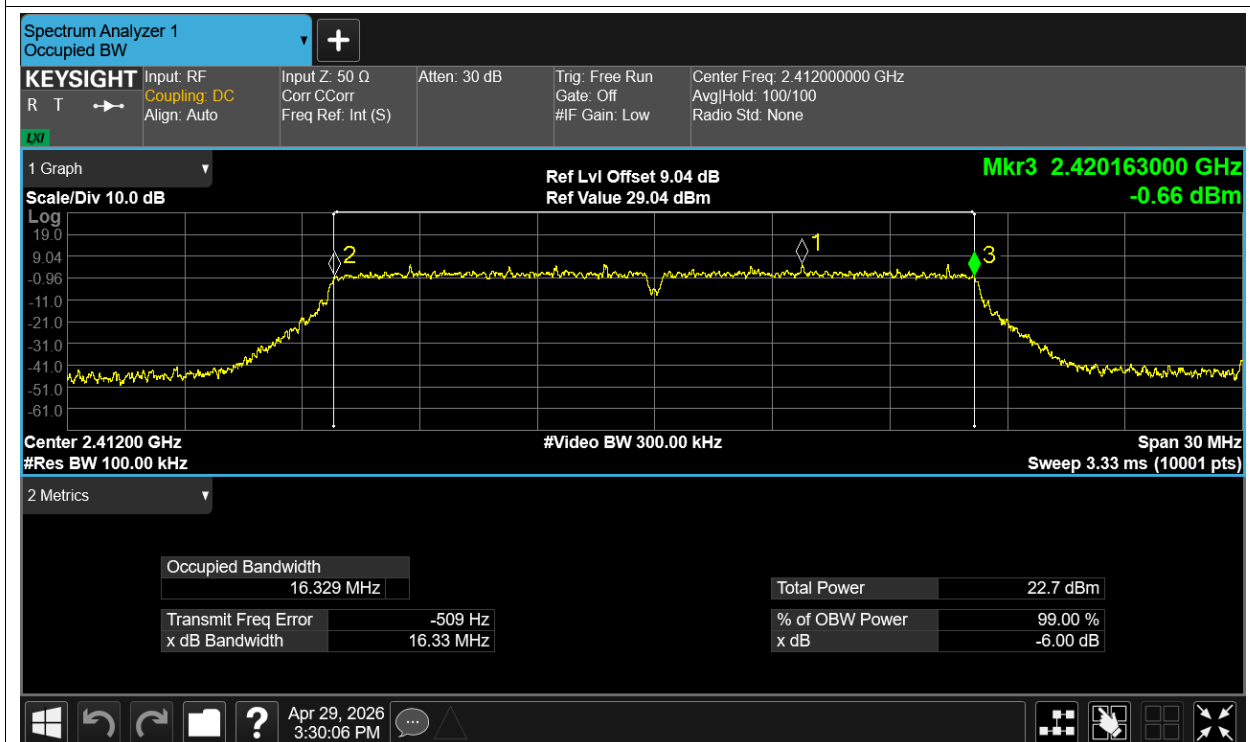
-6dB Bandwidth NVNT g 2437MHz Ant1



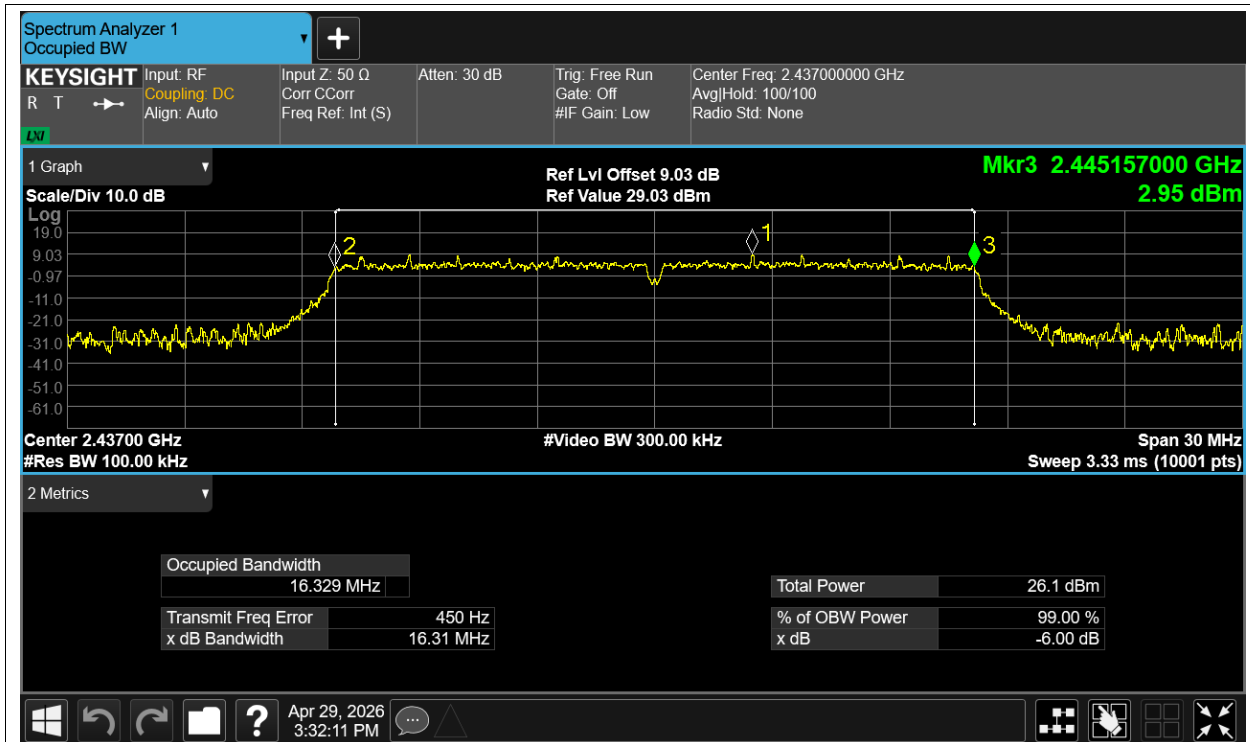
-6dB Bandwidth NVNT g 2462MHz Ant1



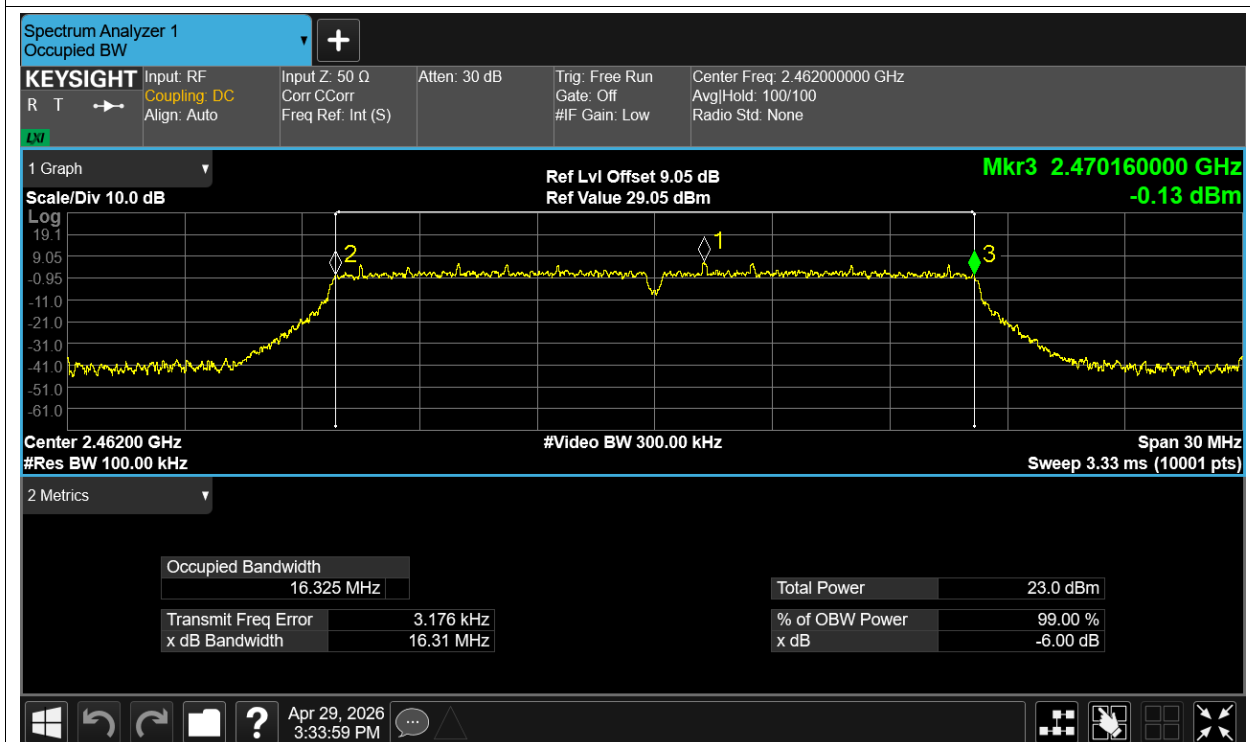
-6dB Bandwidth NVNT g 2412MHz Ant2



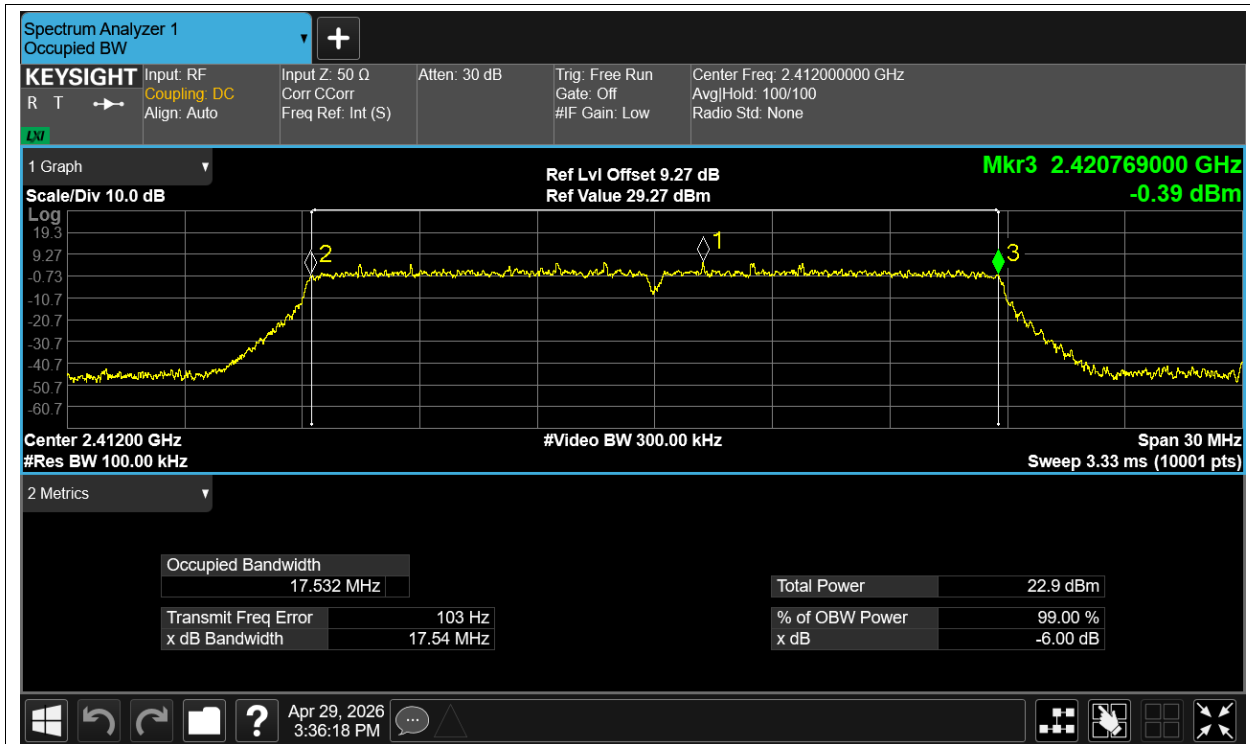
-6dB Bandwidth NVNT g 2437MHz Ant2



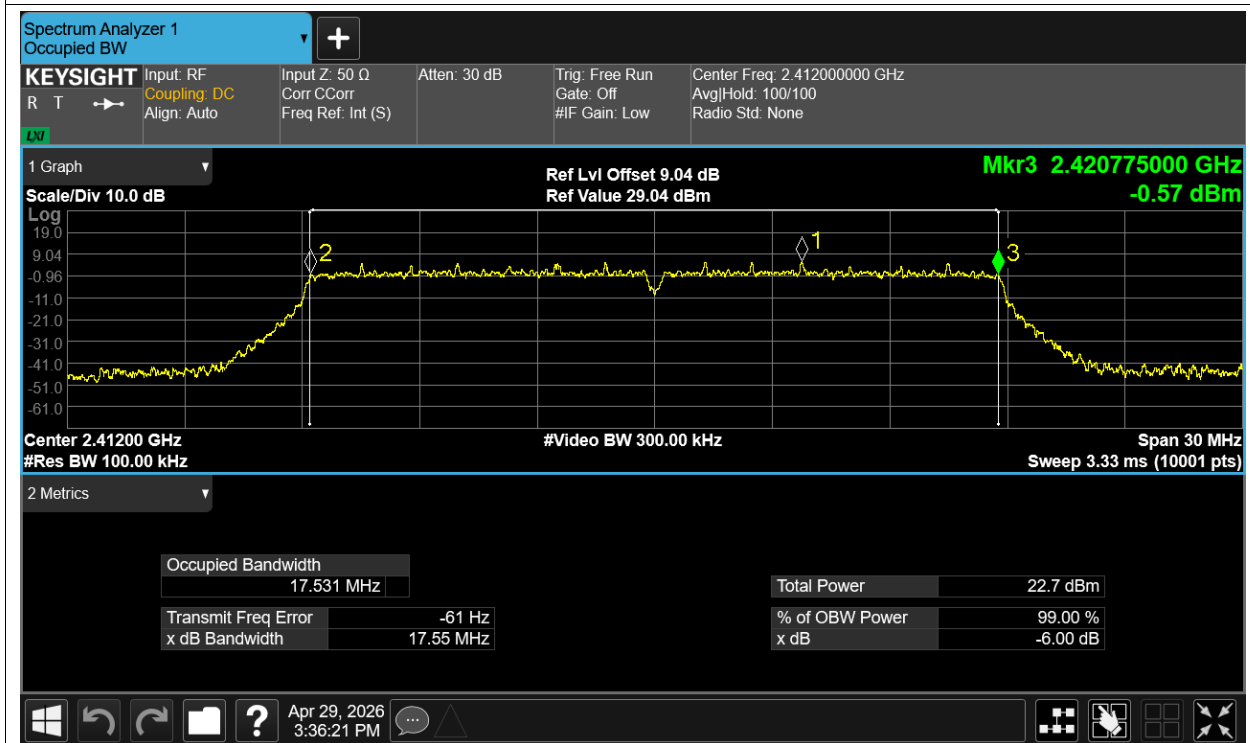
-6dB Bandwidth NVNT g 2462MHz Ant2



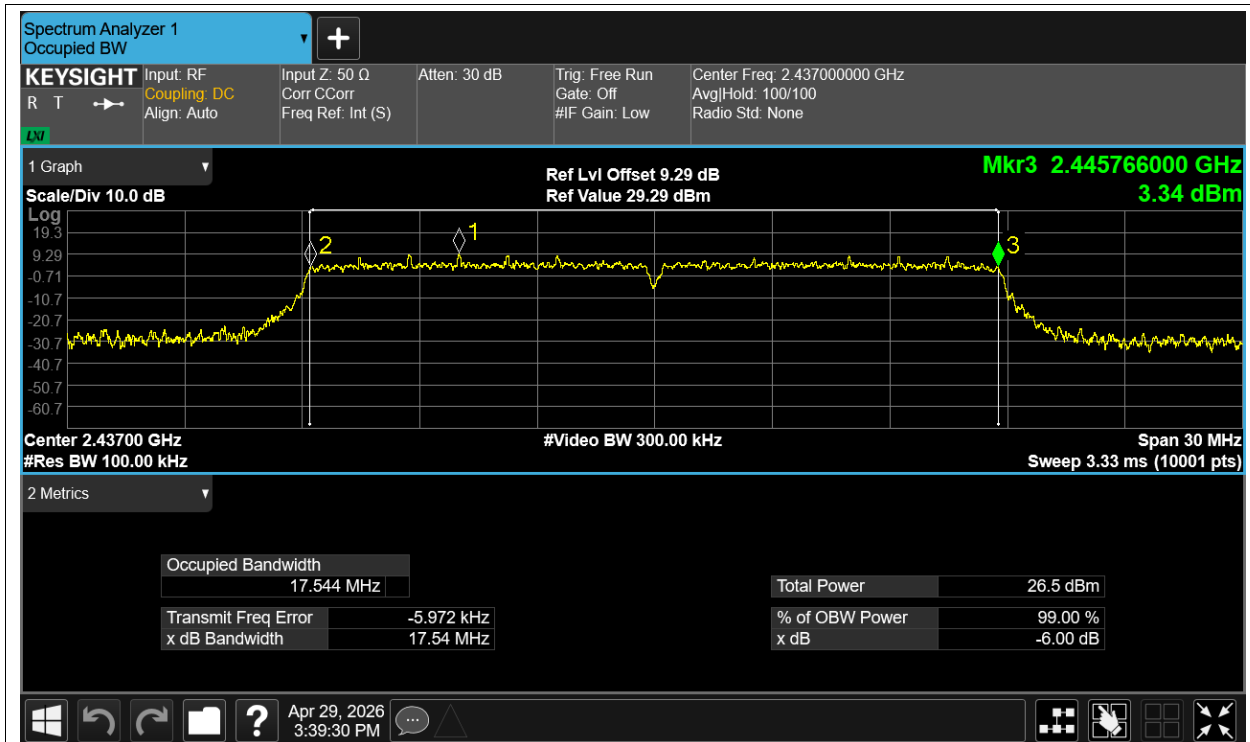
-6dB Bandwidth NVNT n20 2412MHz Ant1



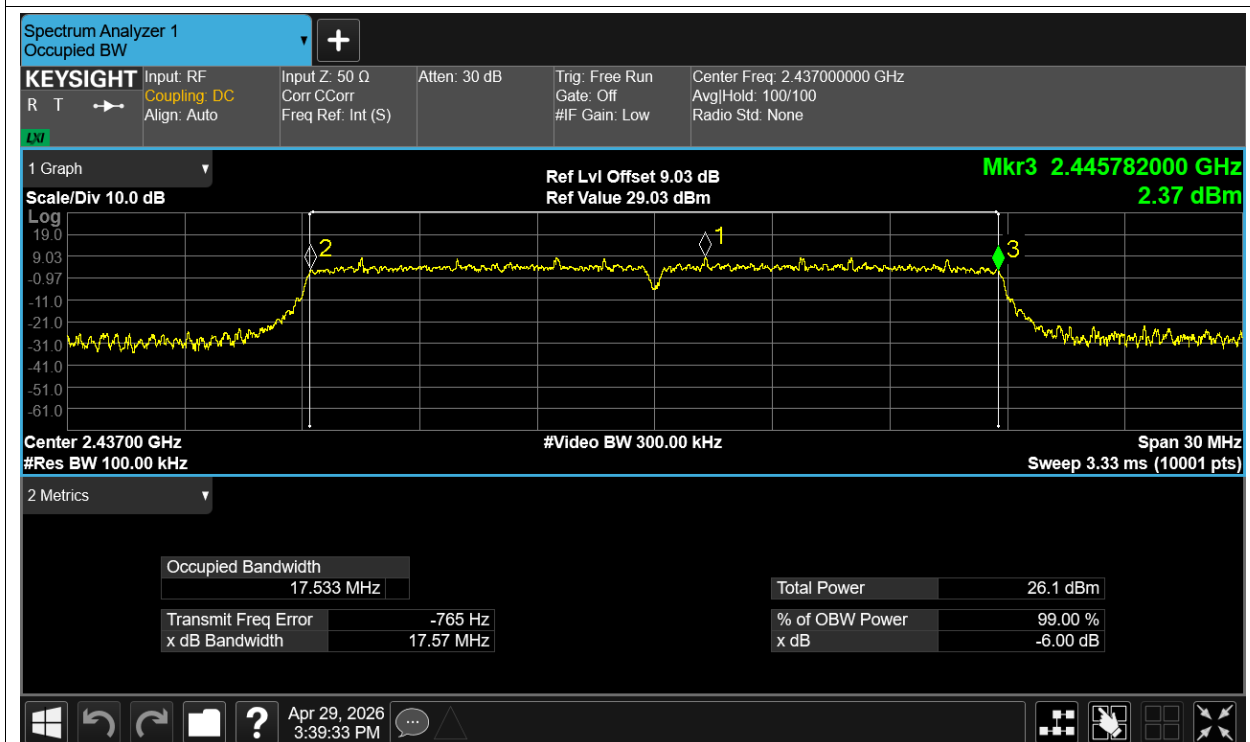
-6dB Bandwidth NVNT n20 2412MHz Ant2



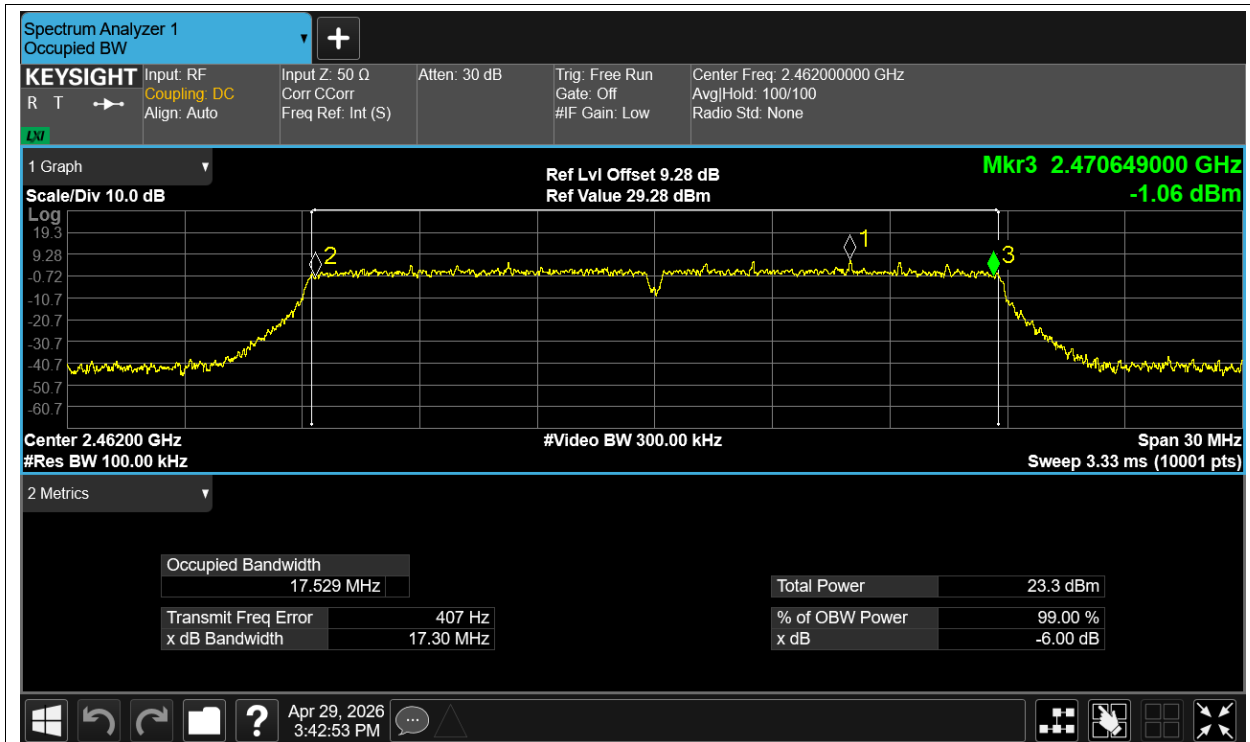
-6dB Bandwidth NVNT n20 2437MHz Ant1



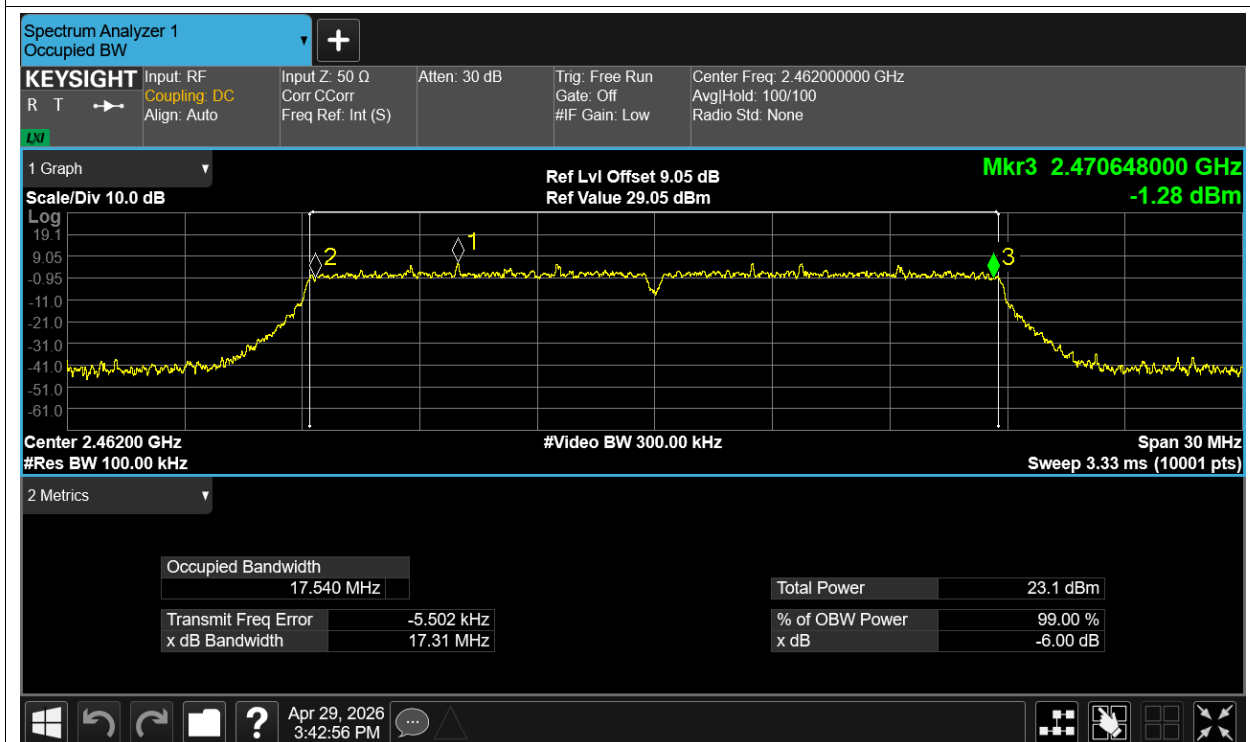
-6dB Bandwidth NVNT n20 2437MHz Ant2



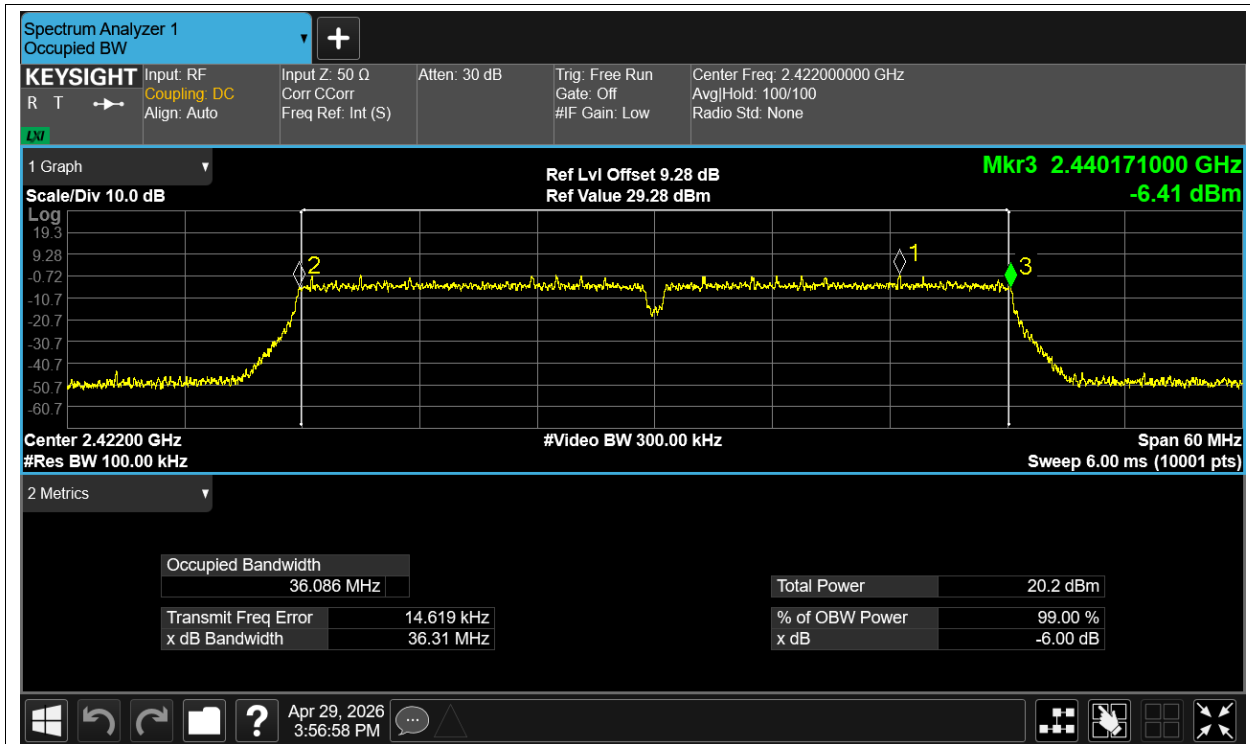
-6dB Bandwidth NVNT n20 2462MHz Ant1



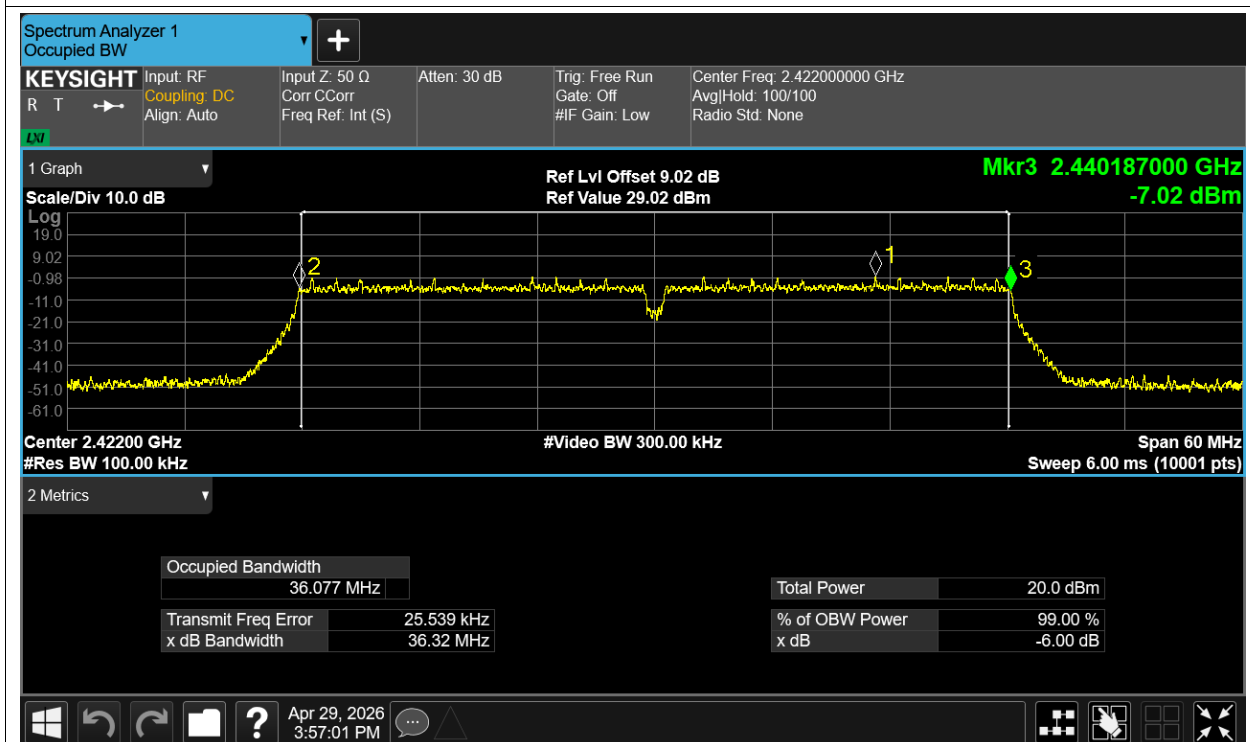
-6dB Bandwidth NVNT n20 2462MHz Ant2



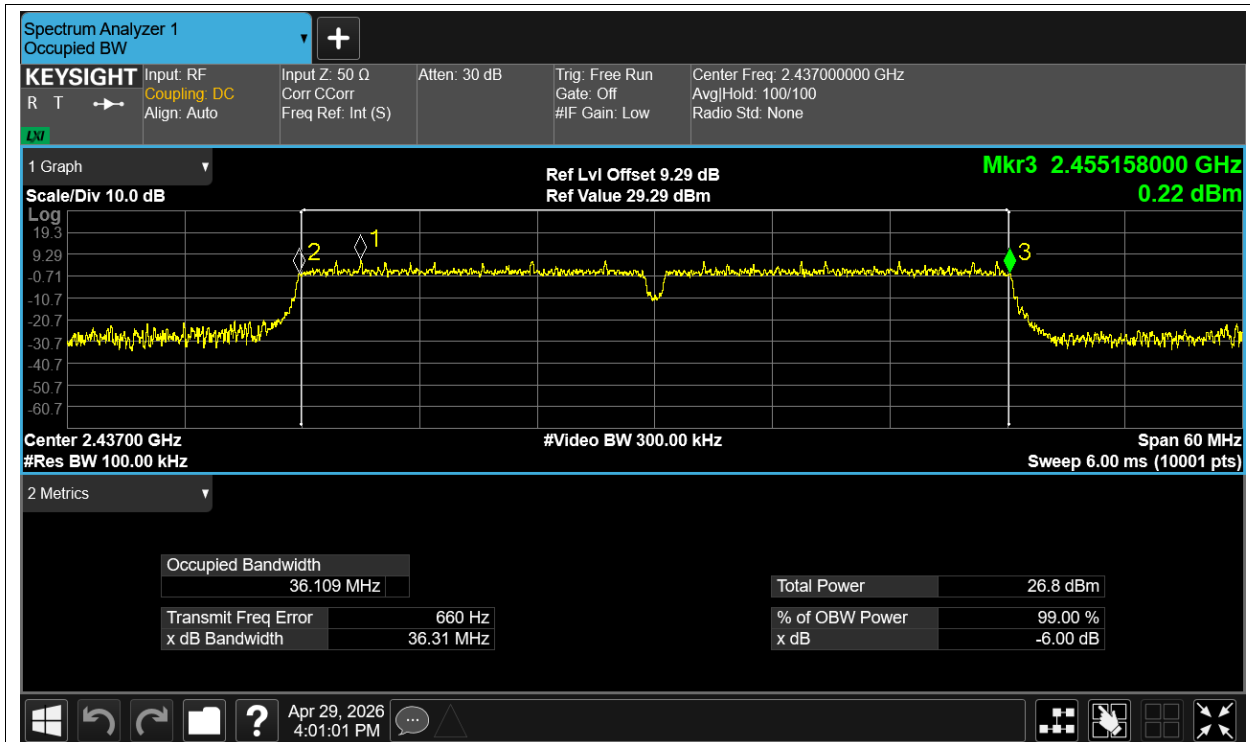
-6dB Bandwidth NVNT n40 2422MHz Ant1



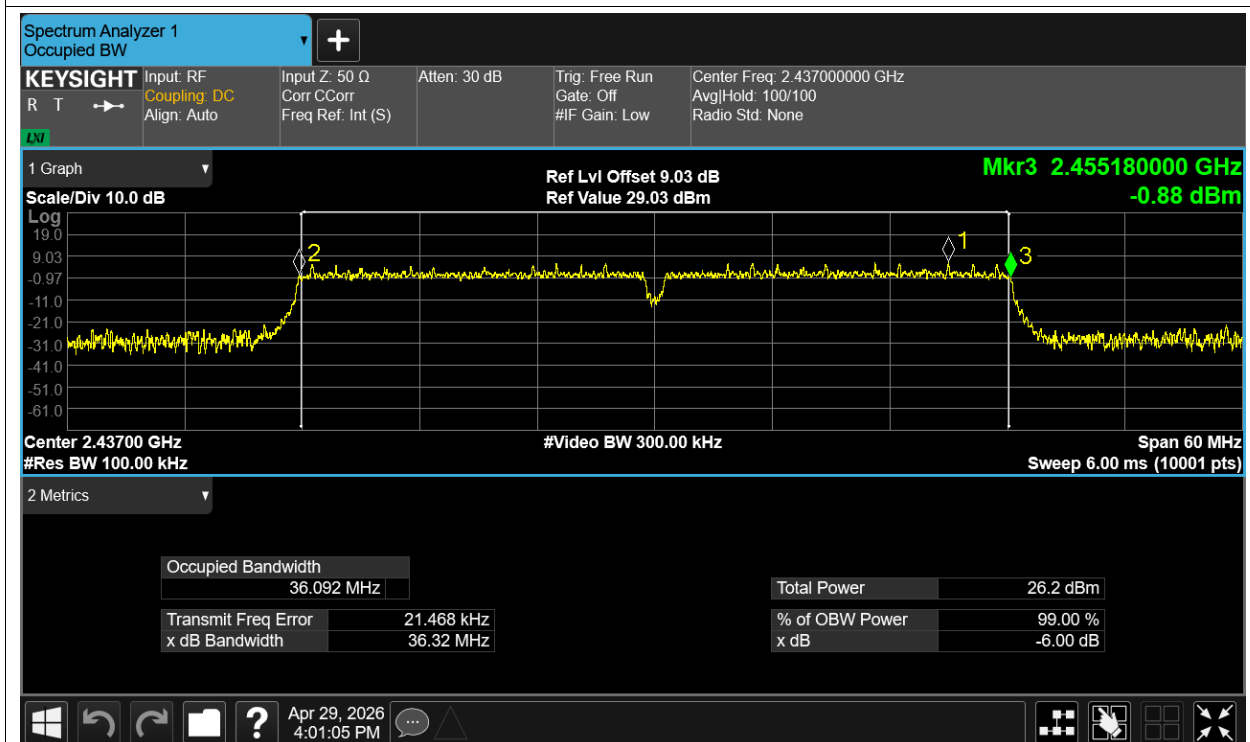
-6dB Bandwidth NVNT n40 2422MHz Ant2



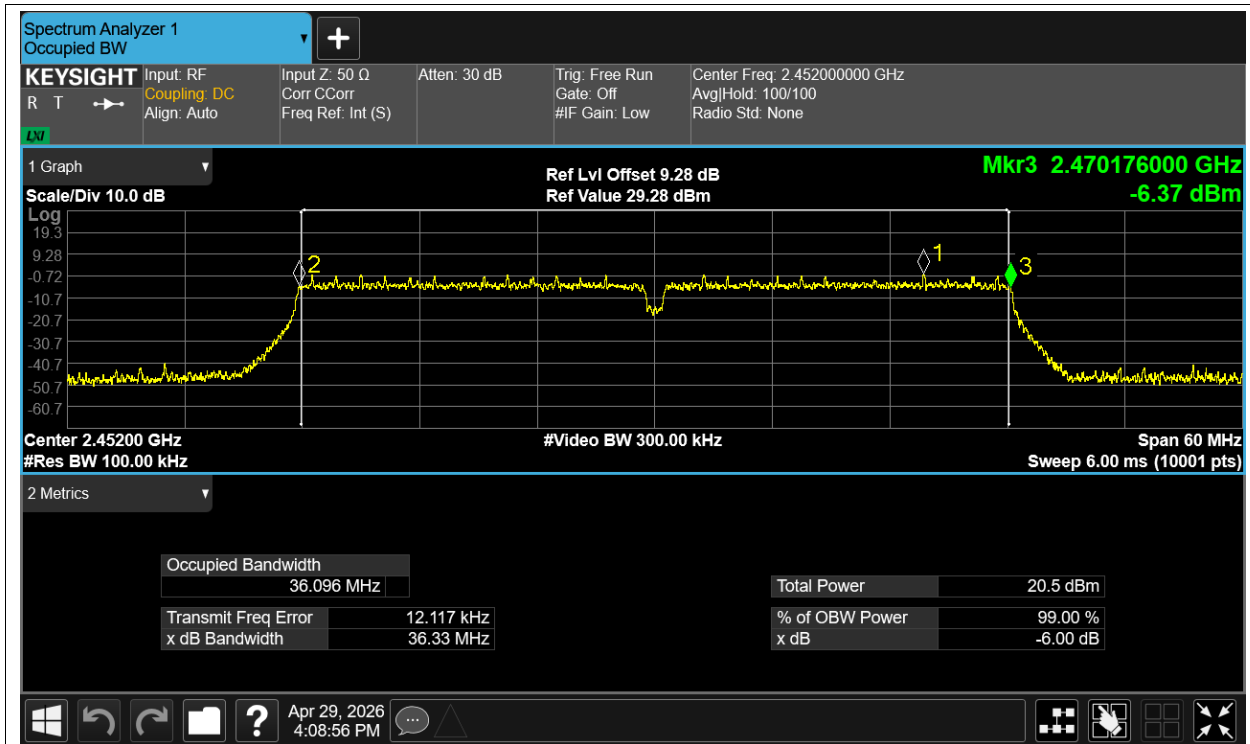
-6dB Bandwidth NVNT n40 2437MHz Ant1



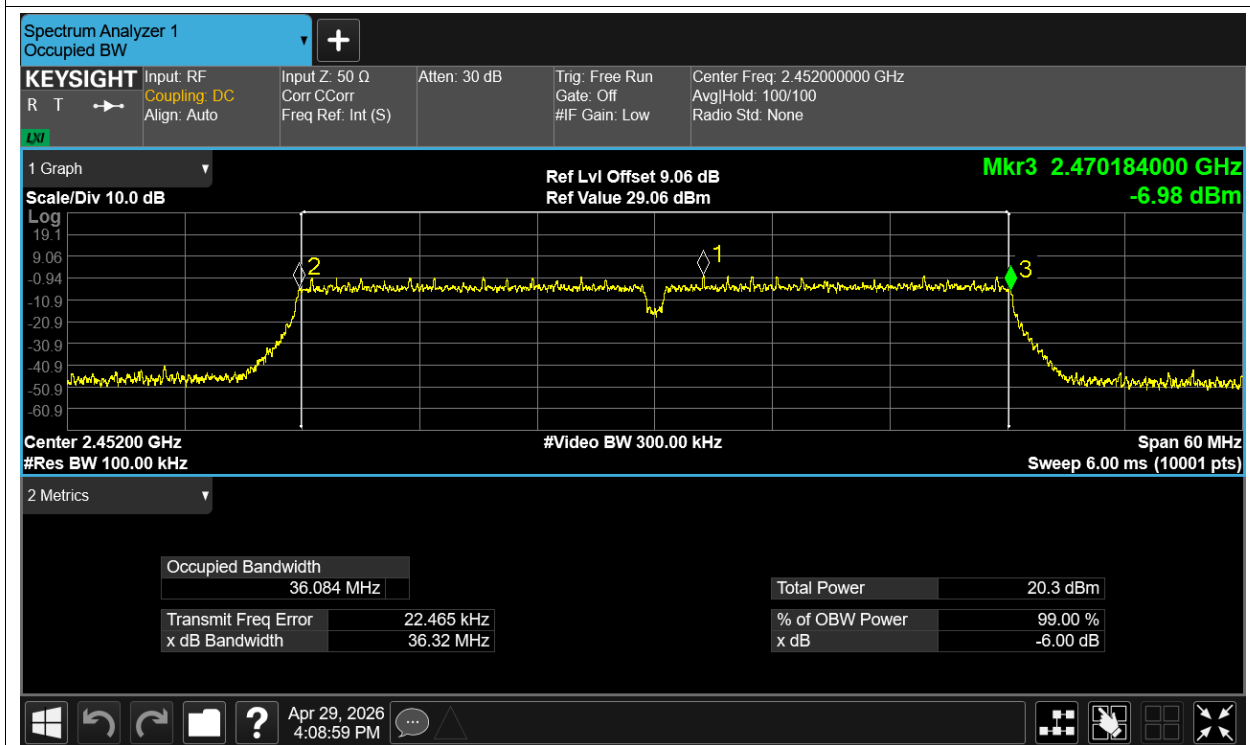
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2

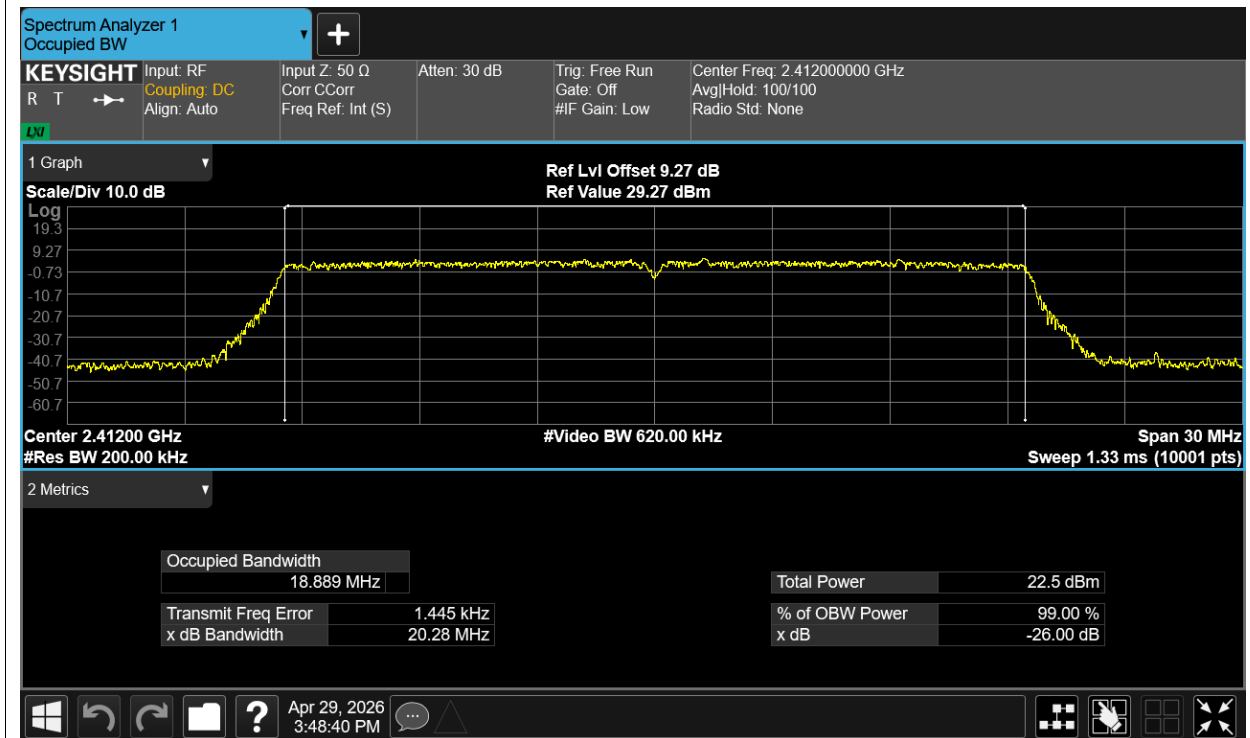


Occupied Channel Bandwidth

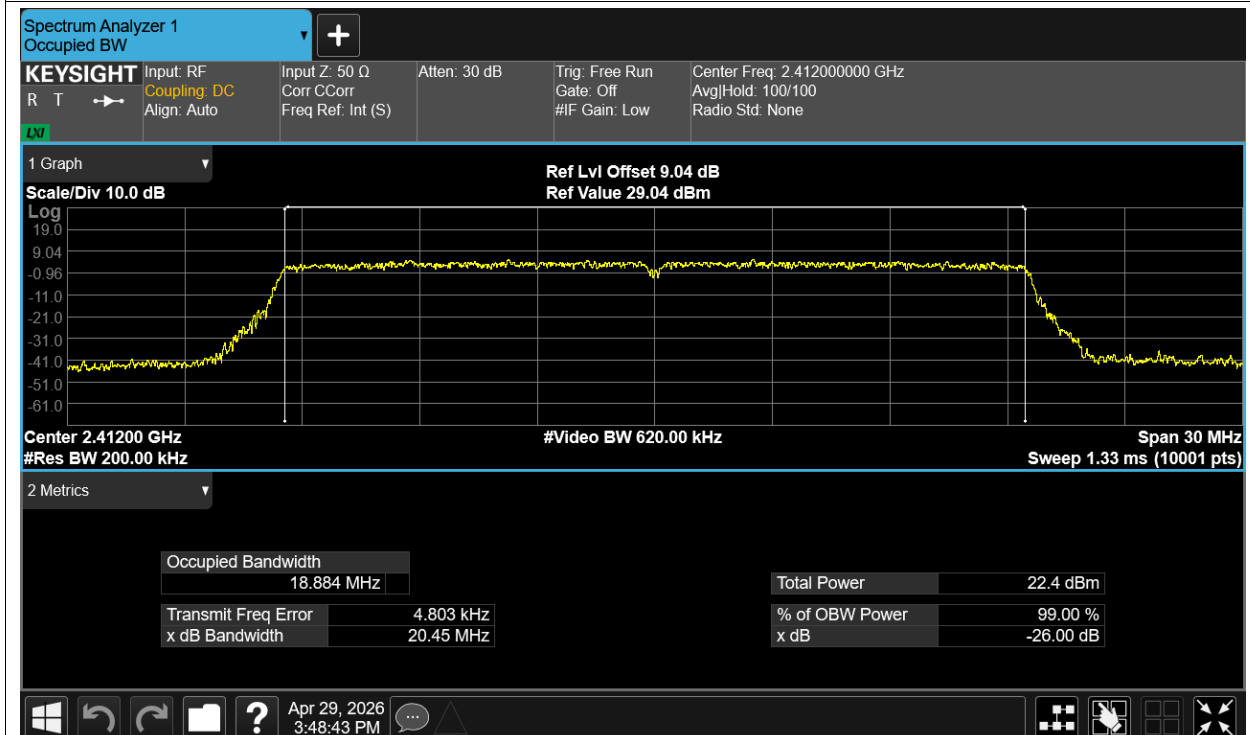
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	2412	Ant1	18.889
NVNT	ax20	2412	Ant2	18.884
NVNT	ax20	2437	Ant1	18.889
NVNT	ax20	2437	Ant2	18.899
NVNT	ax20	2462	Ant1	18.883
NVNT	ax20	2462	Ant2	18.878
NVNT	ax40	2422	Ant1	37.77
NVNT	ax40	2422	Ant2	37.732
NVNT	ax40	2437	Ant1	37.787
NVNT	ax40	2437	Ant2	37.755
NVNT	ax40	2452	Ant1	37.738
NVNT	ax40	2452	Ant2	37.772
NVNT	b	2412	Ant1	14.937
NVNT	b	2437	Ant1	14.898
NVNT	b	2462	Ant1	14.949
NVNT	b	2412	Ant2	14.922
NVNT	b	2437	Ant2	14.913
NVNT	b	2462	Ant2	14.916
NVNT	g	2412	Ant1	16.349
NVNT	g	2437	Ant1	16.366
NVNT	g	2462	Ant1	16.349
NVNT	g	2412	Ant2	16.344
NVNT	g	2437	Ant2	16.371
NVNT	g	2462	Ant2	16.346
NVNT	n20	2412	Ant1	17.52
NVNT	n20	2412	Ant2	17.537
NVNT	n20	2437	Ant1	17.549
NVNT	n20	2437	Ant2	17.529
NVNT	n20	2462	Ant1	17.525
NVNT	n20	2462	Ant2	17.541
NVNT	n40	2422	Ant1	36.147
NVNT	n40	2422	Ant2	36.137
NVNT	n40	2437	Ant1	36.187
NVNT	n40	2437	Ant2	36.197
NVNT	n40	2452	Ant1	36.145
NVNT	n40	2452	Ant2	36.137

Test Graphs

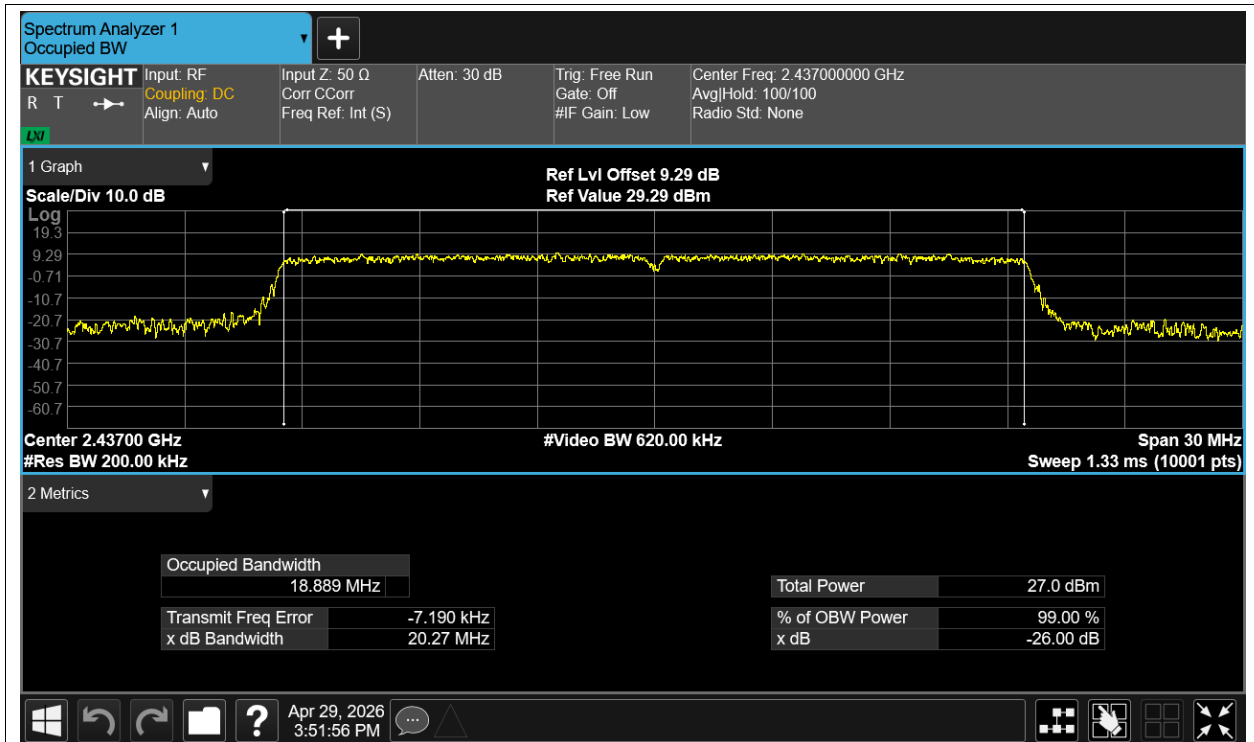
OBW NVNT ax20 2412MHz Ant1



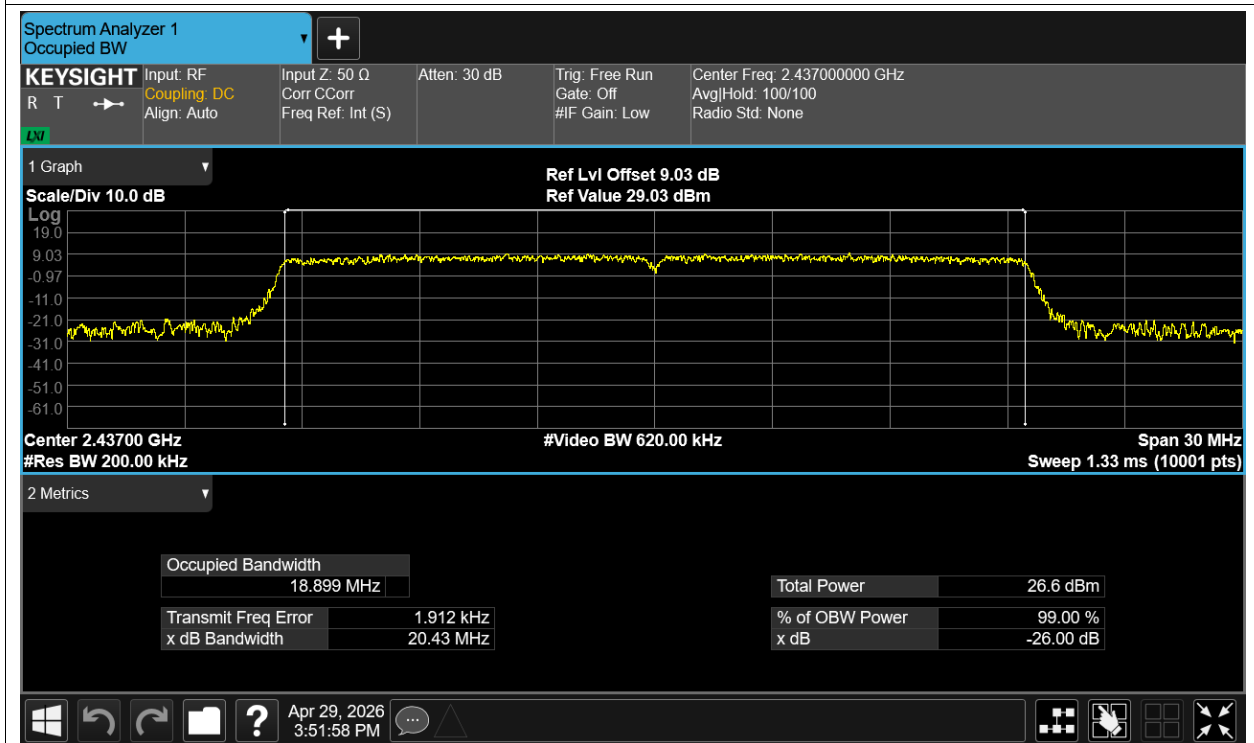
OBW NVNT ax20 2412MHz Ant2



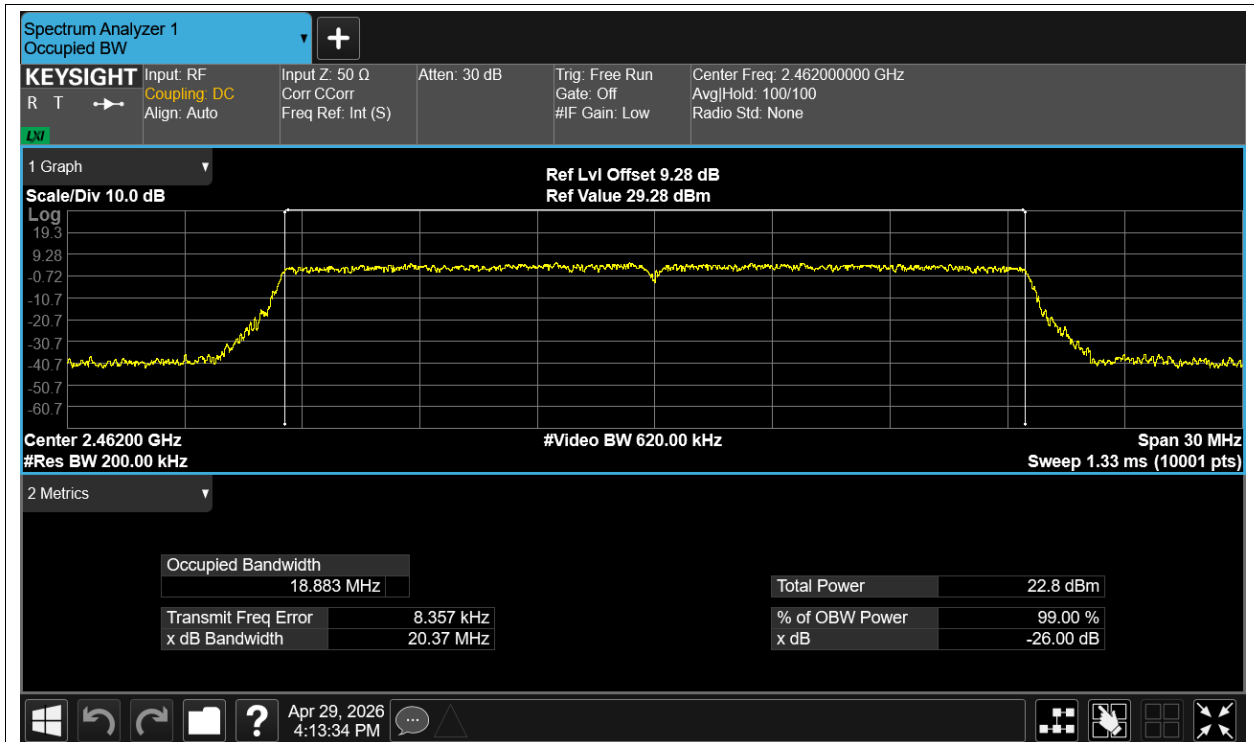
OBW NVNT ax20 2437MHz Ant1



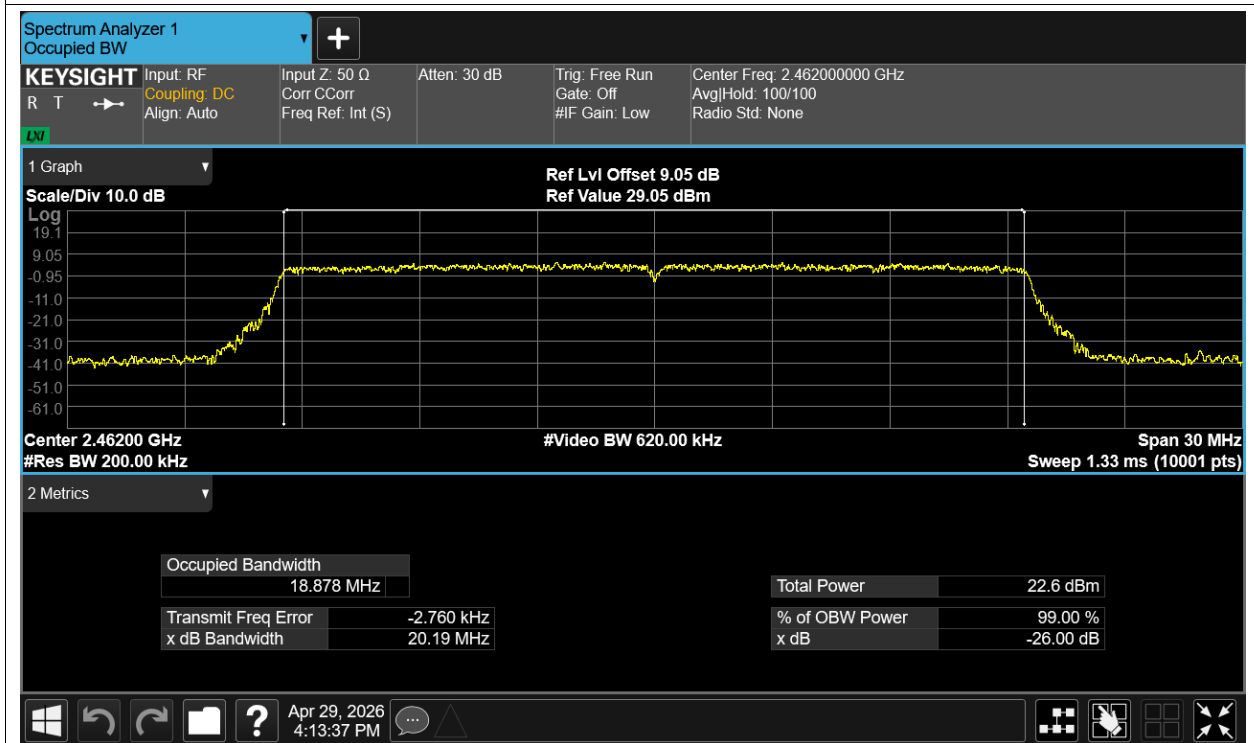
OBW NVNT ax20 2437MHz Ant2



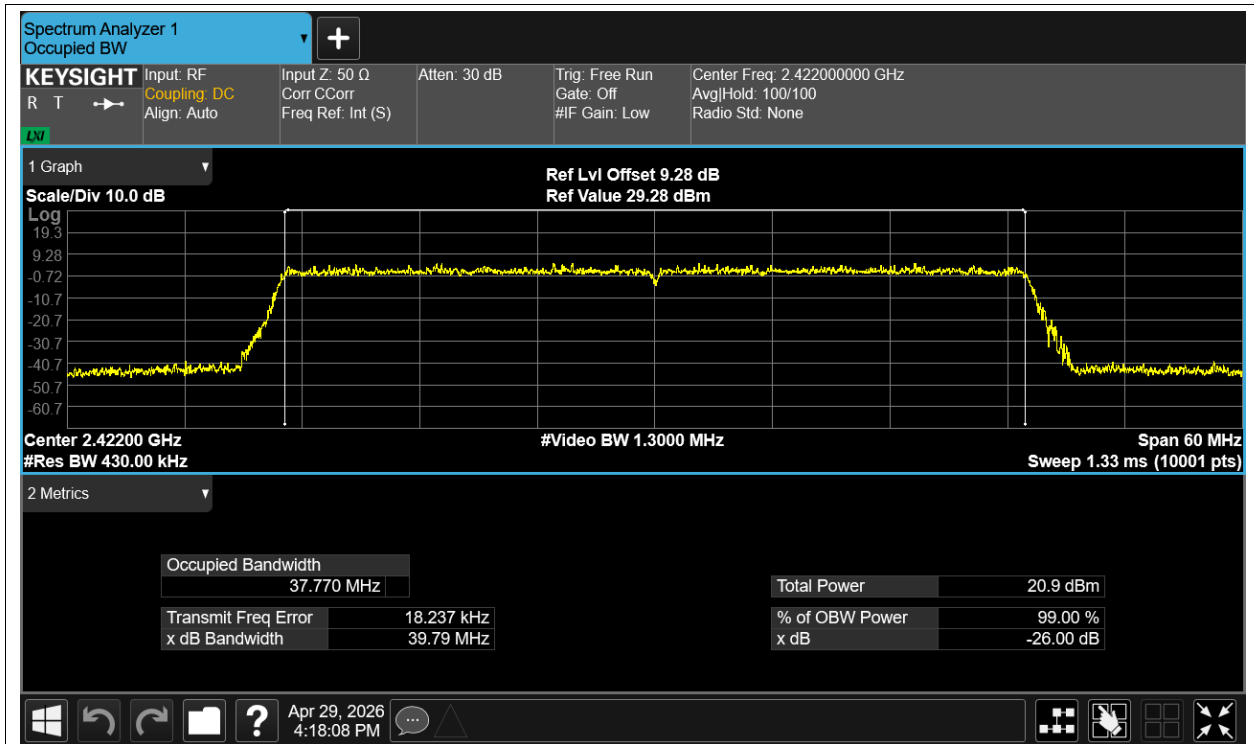
OBW NVNT ax20 2462MHz Ant1



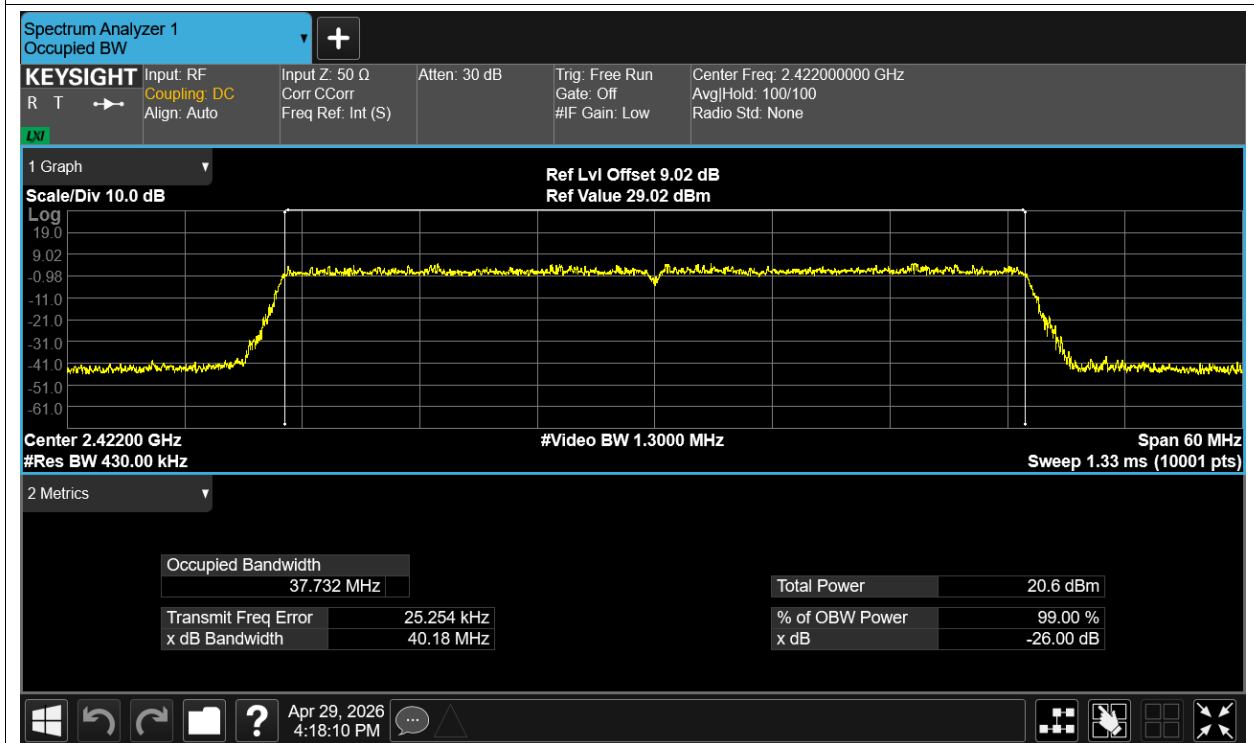
OBW NVNT ax20 2462MHz Ant2



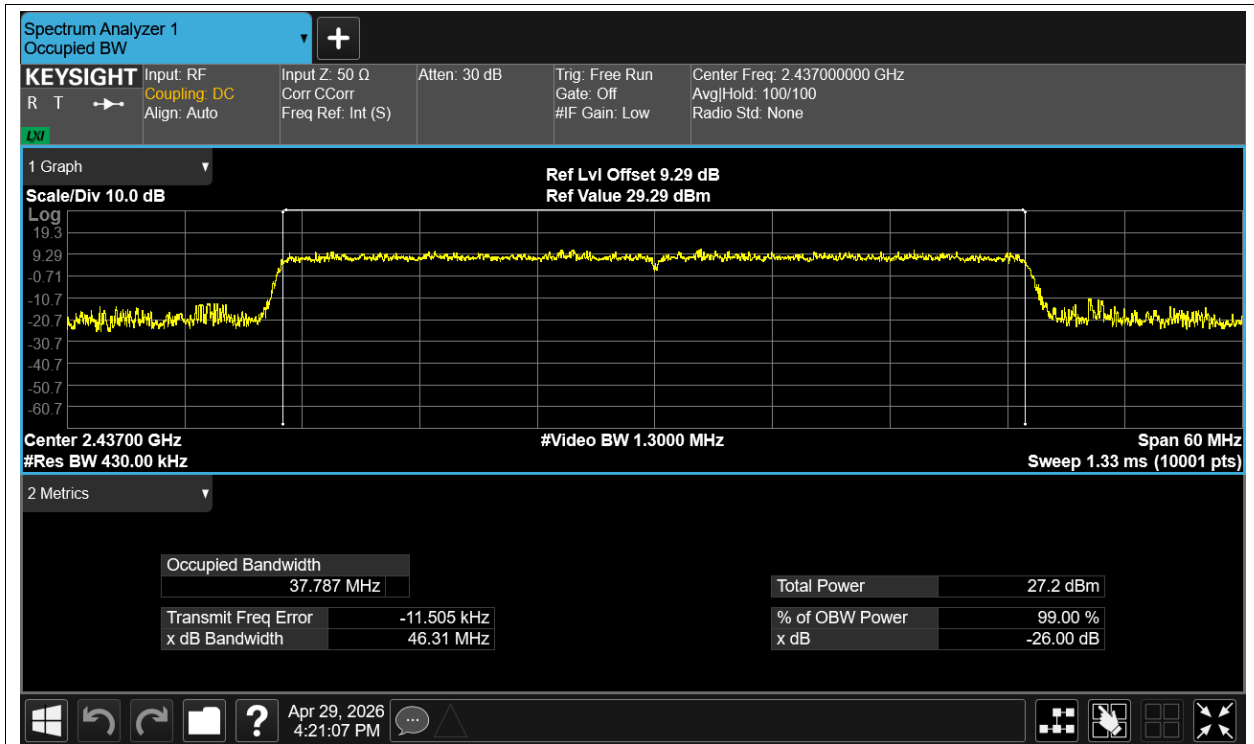
OBW NVNT ax40 2422MHz Ant1



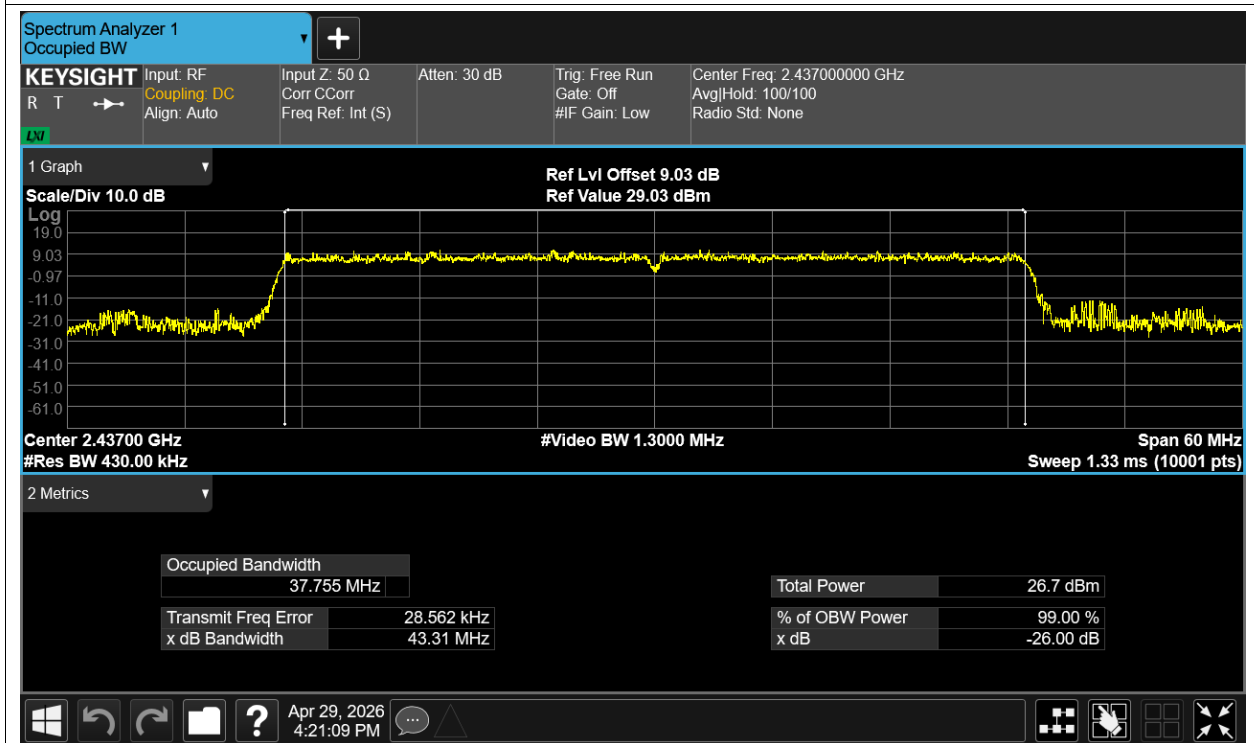
OBW NVNT ax40 2422MHz Ant2



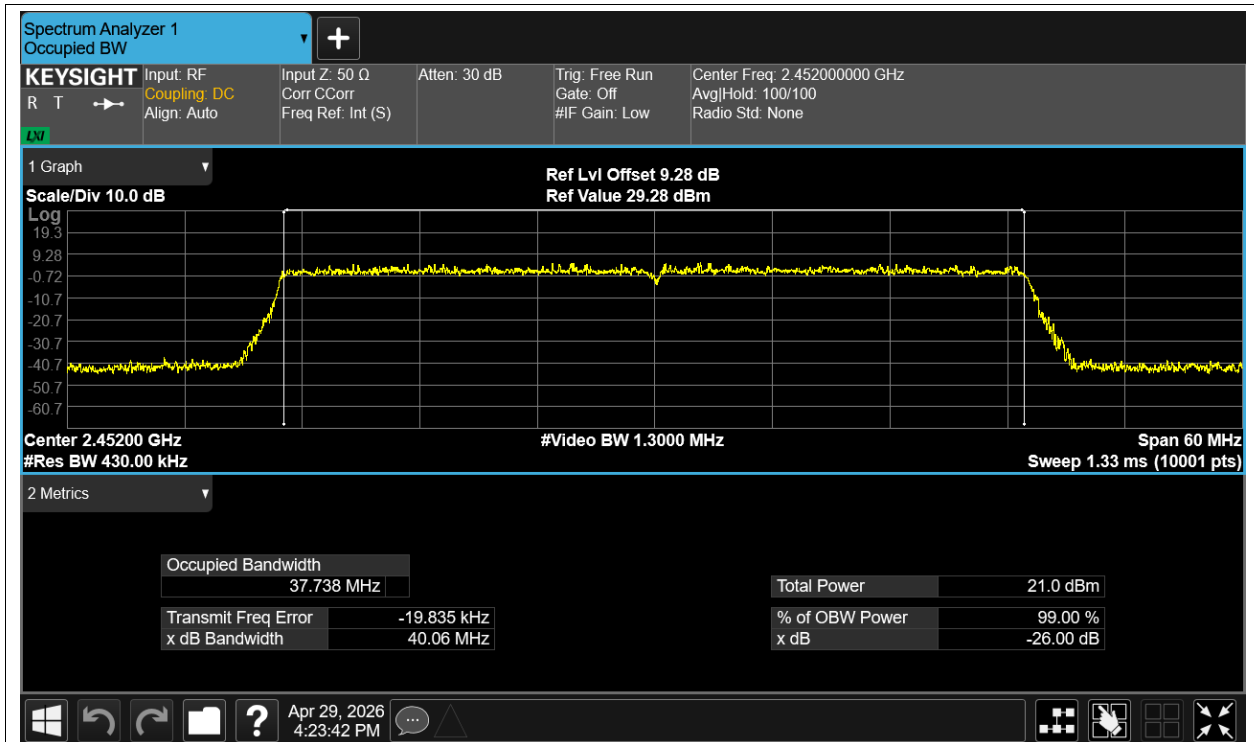
OBW NVNT ax40 2437MHz Ant1



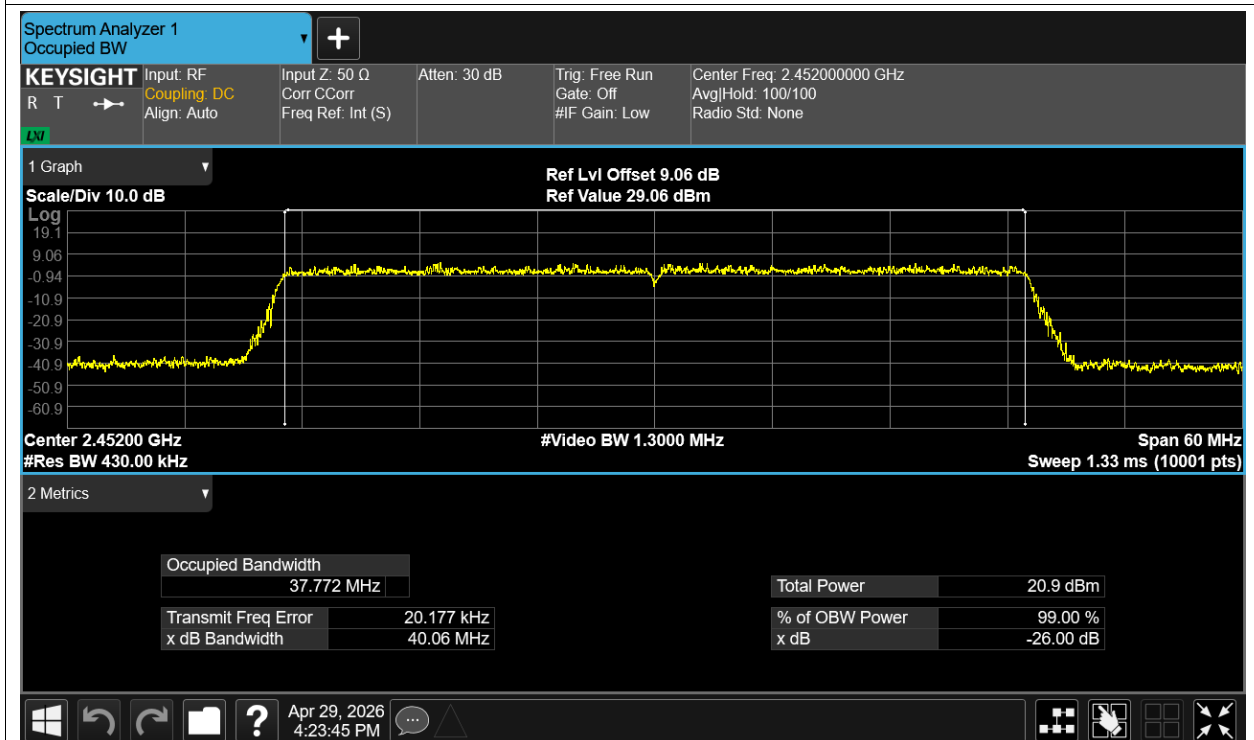
OBW NVNT ax40 2437MHz Ant2



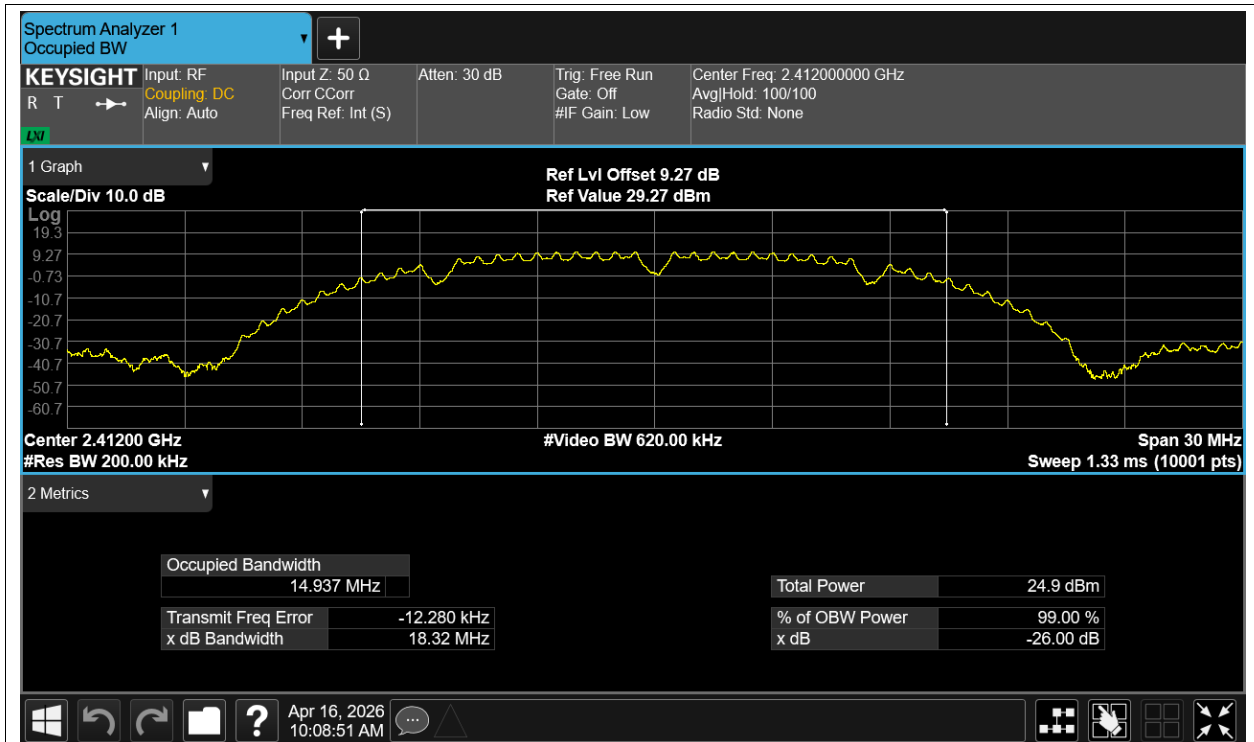
OBW NVNT ax40 2452MHz Ant1



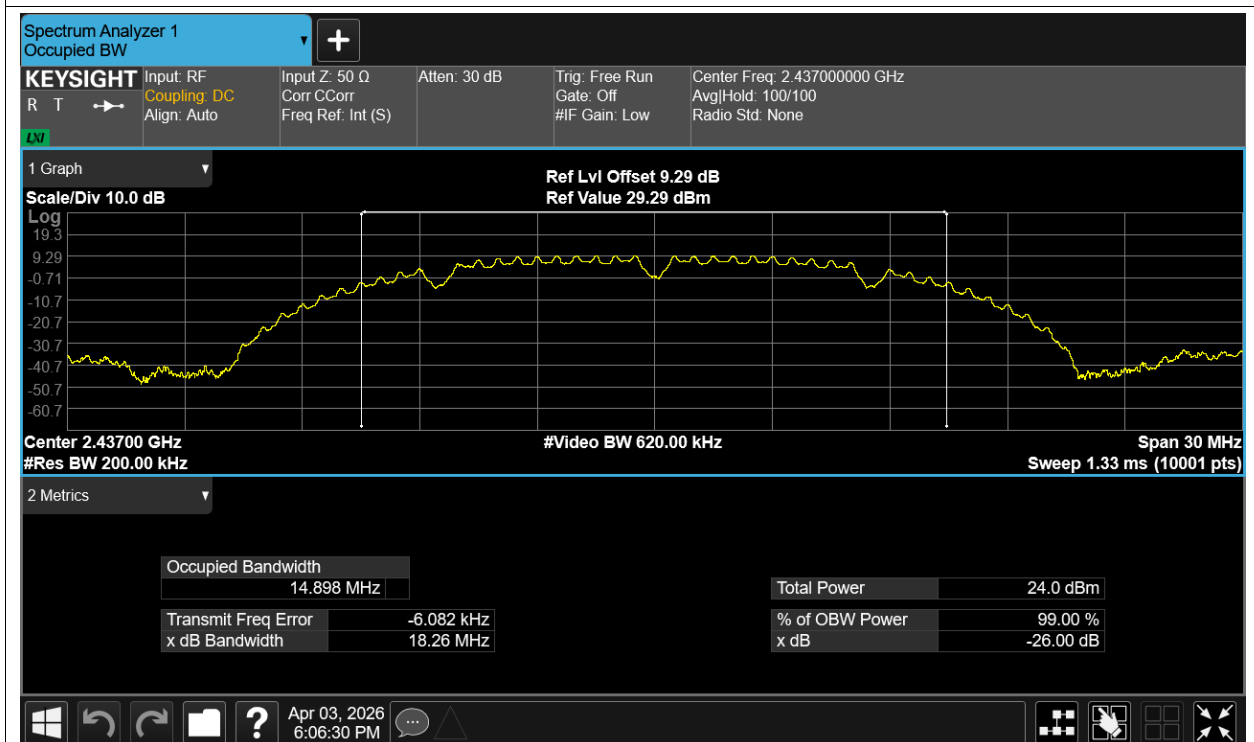
OBW NVNT ax40 2452MHz Ant2



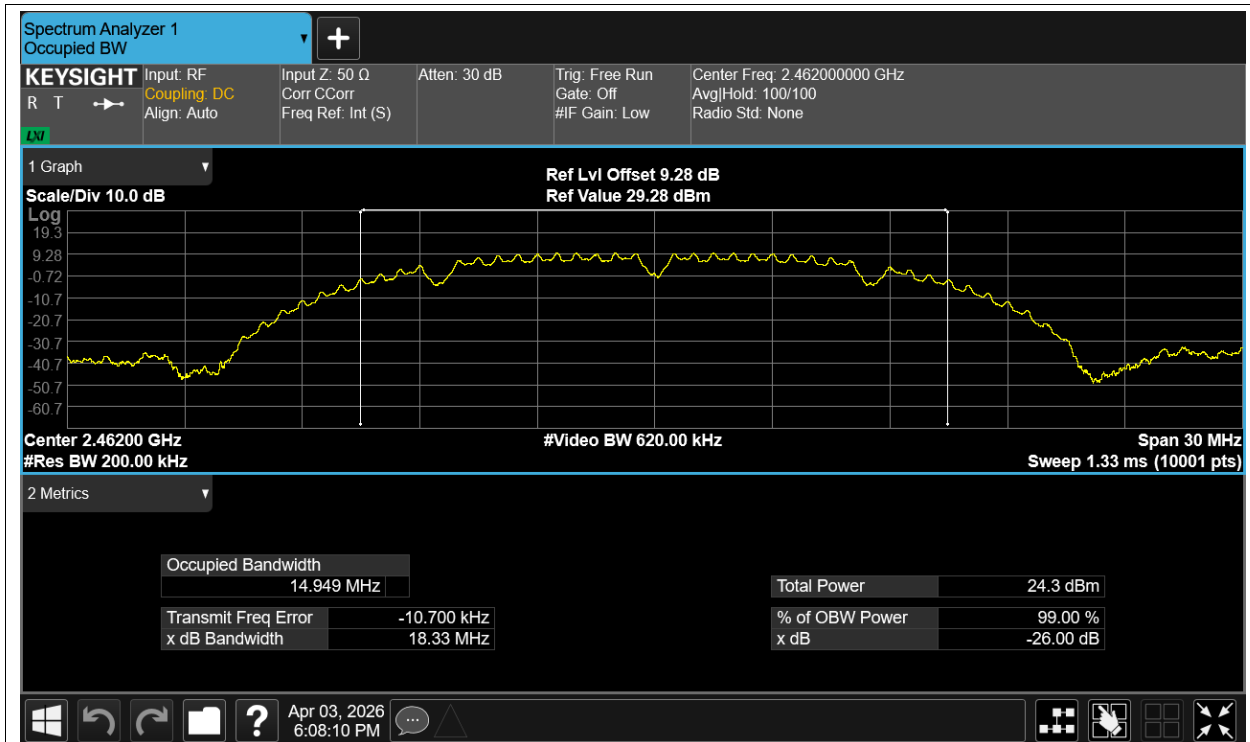
OBW NVNT b 2412MHz Ant1



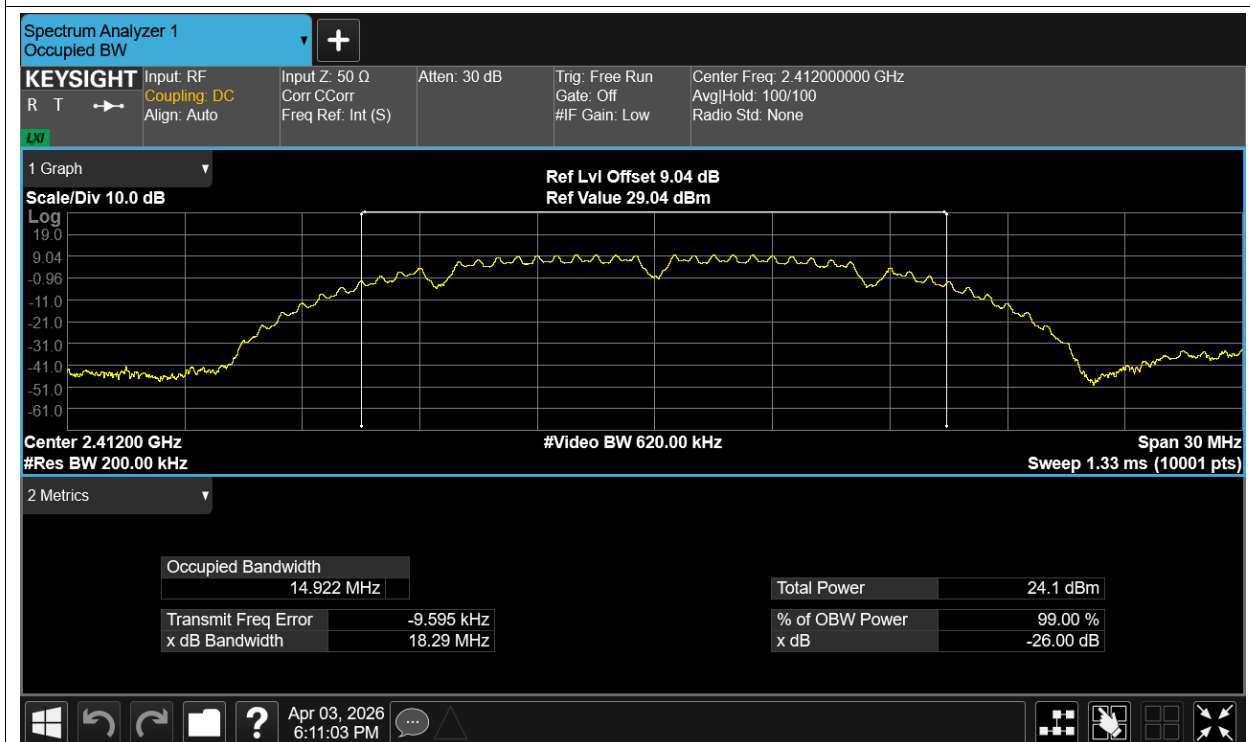
OBW NVNT b 2437MHz Ant1



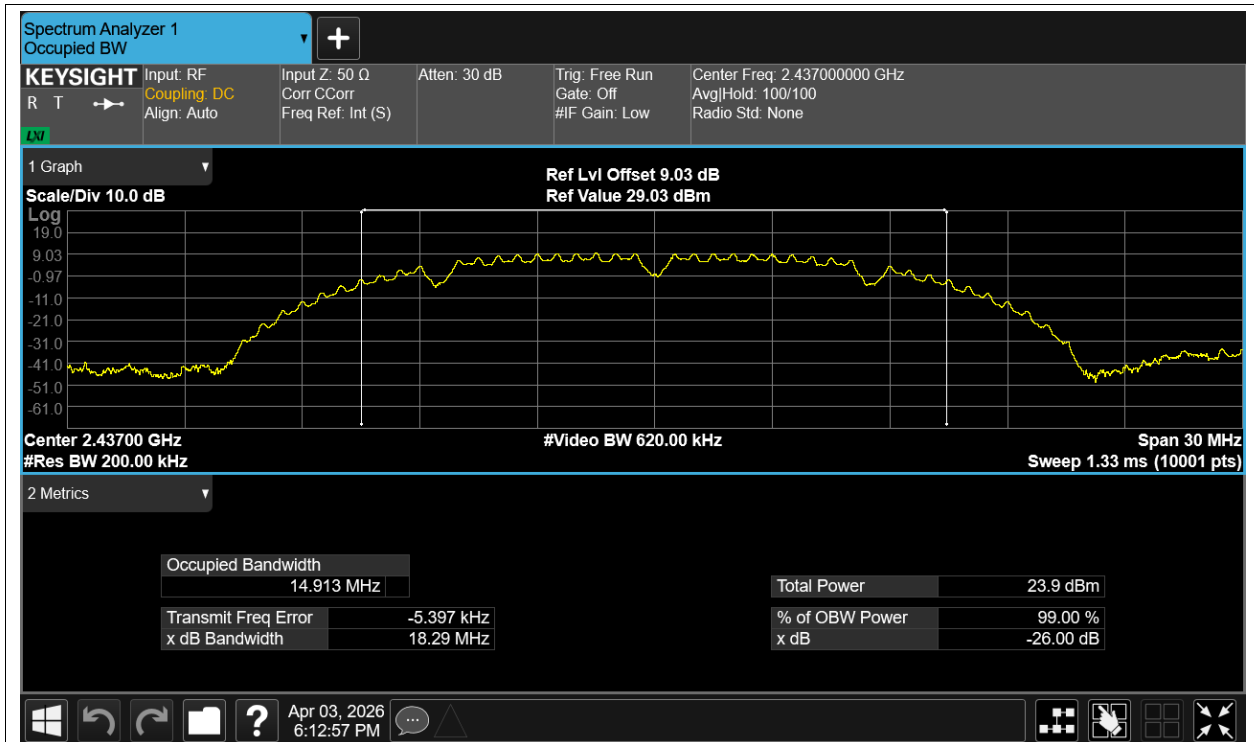
OBW NVNT b 2462MHz Ant1



OBW NVNT b 2412MHz Ant2



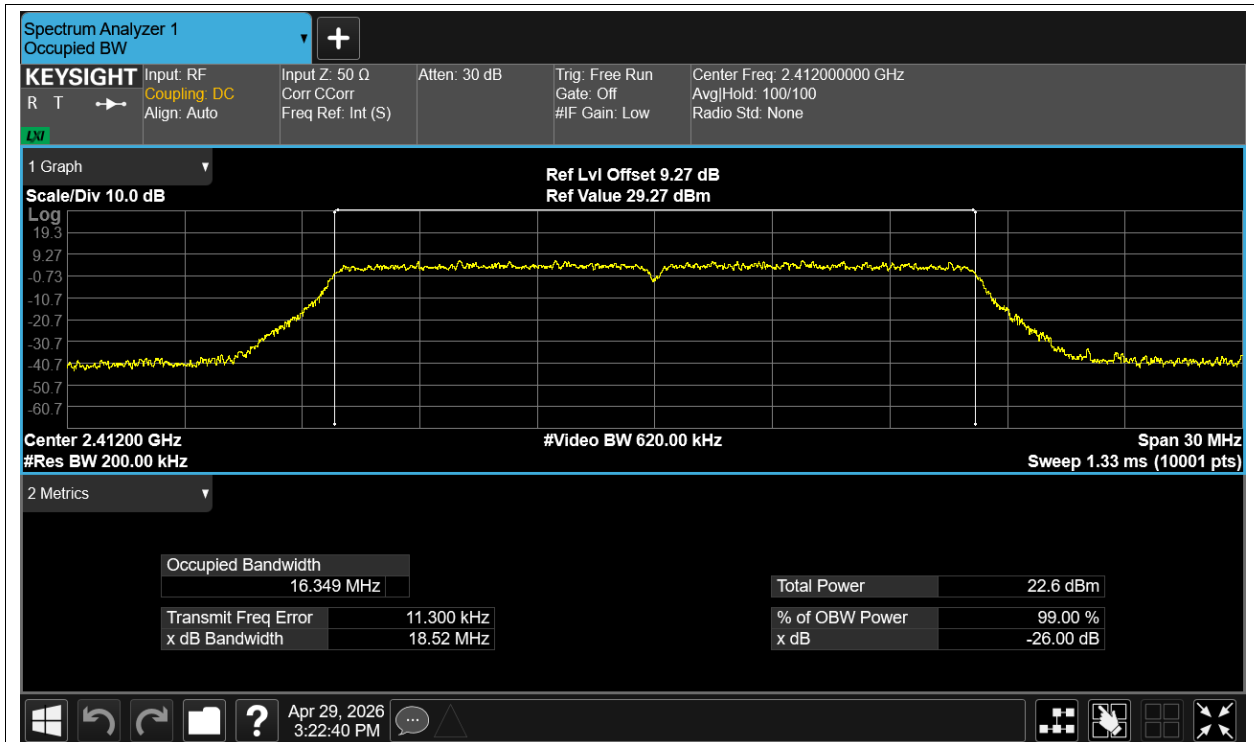
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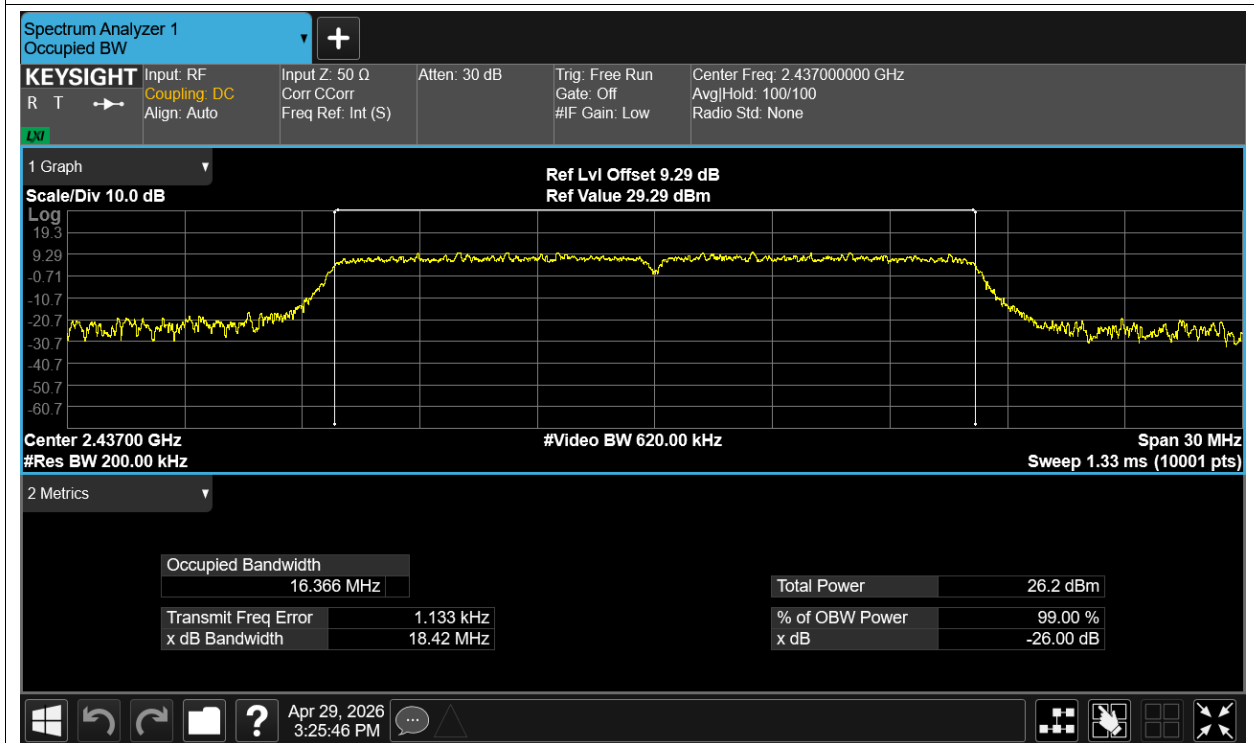
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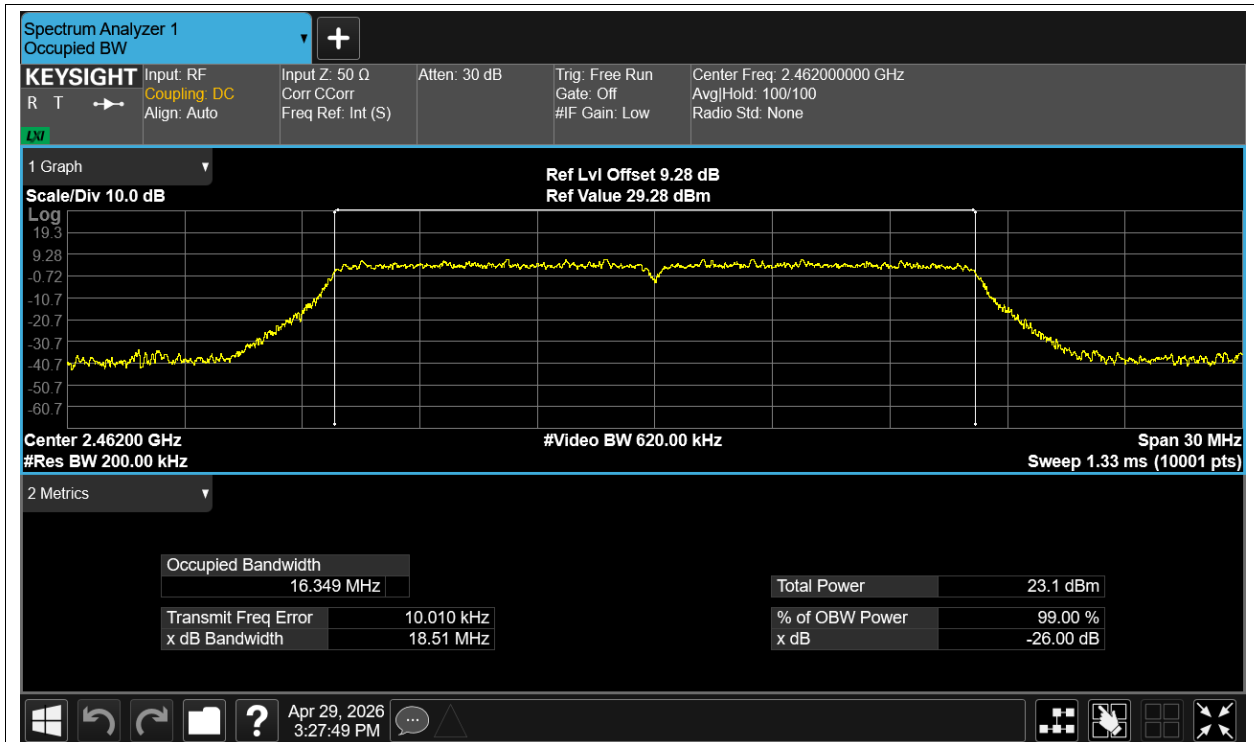
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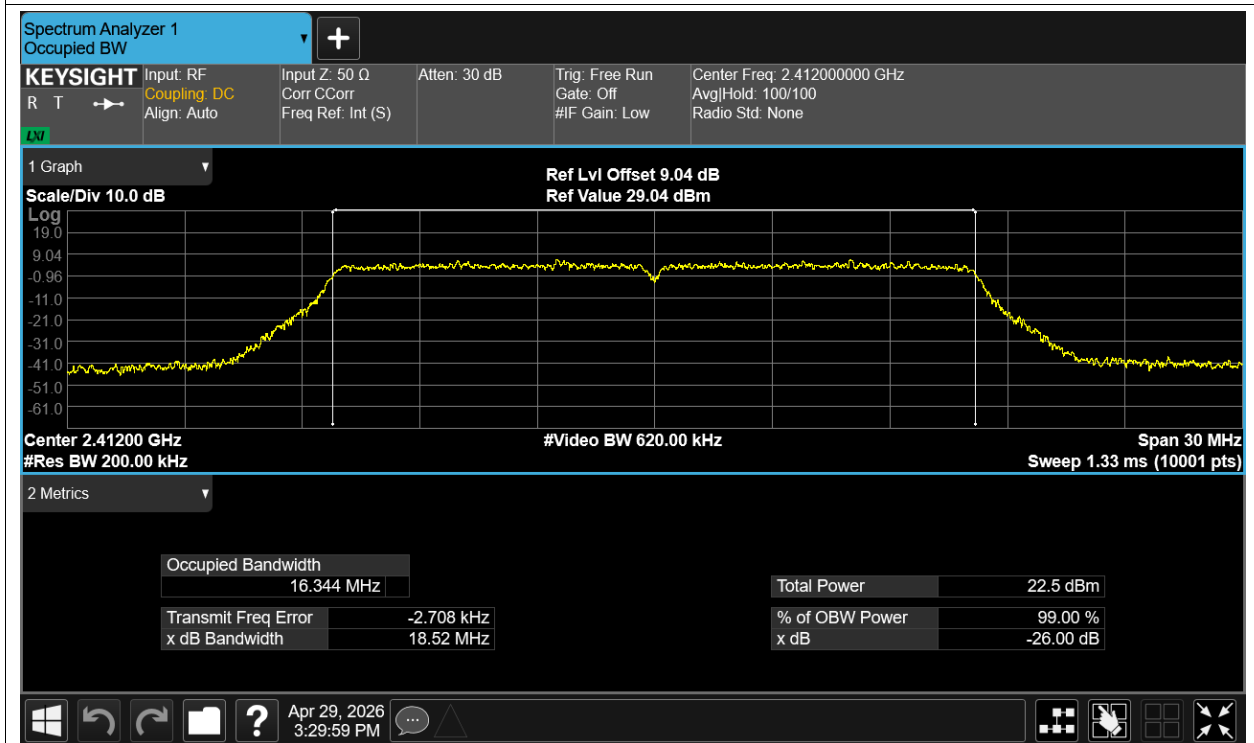
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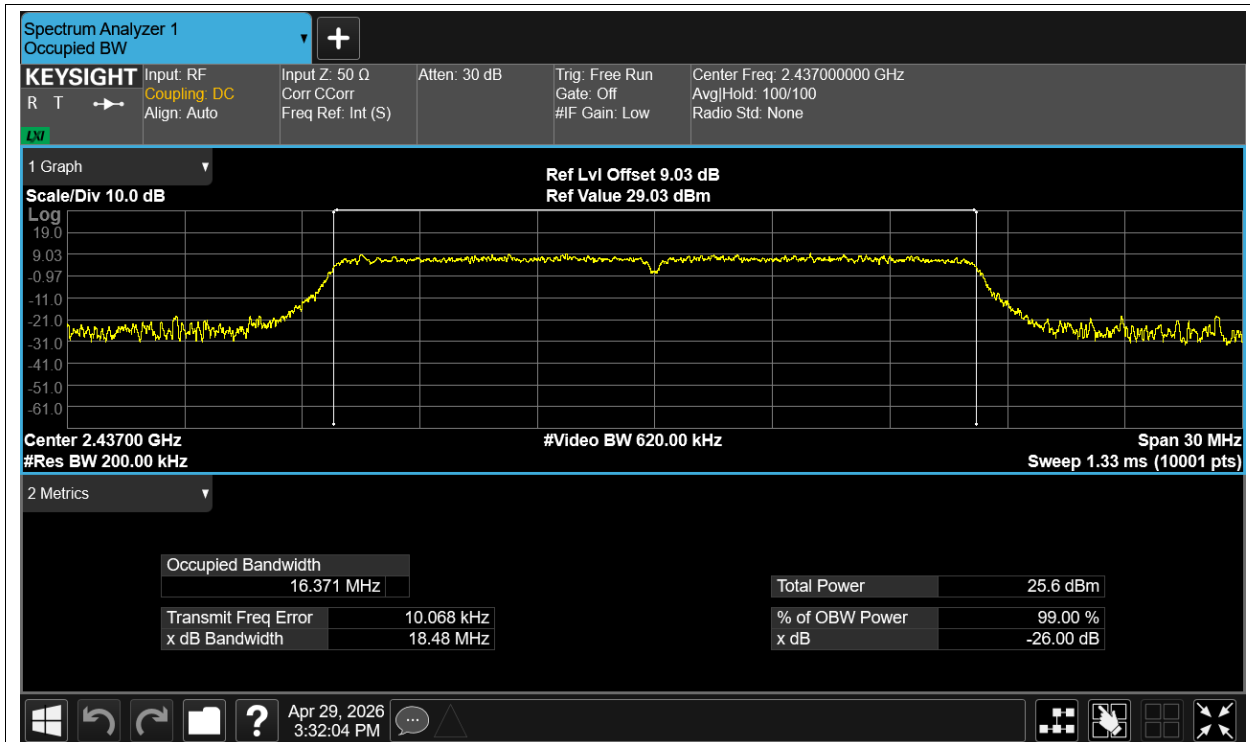
OBW NVNT g 2462MHz Ant1



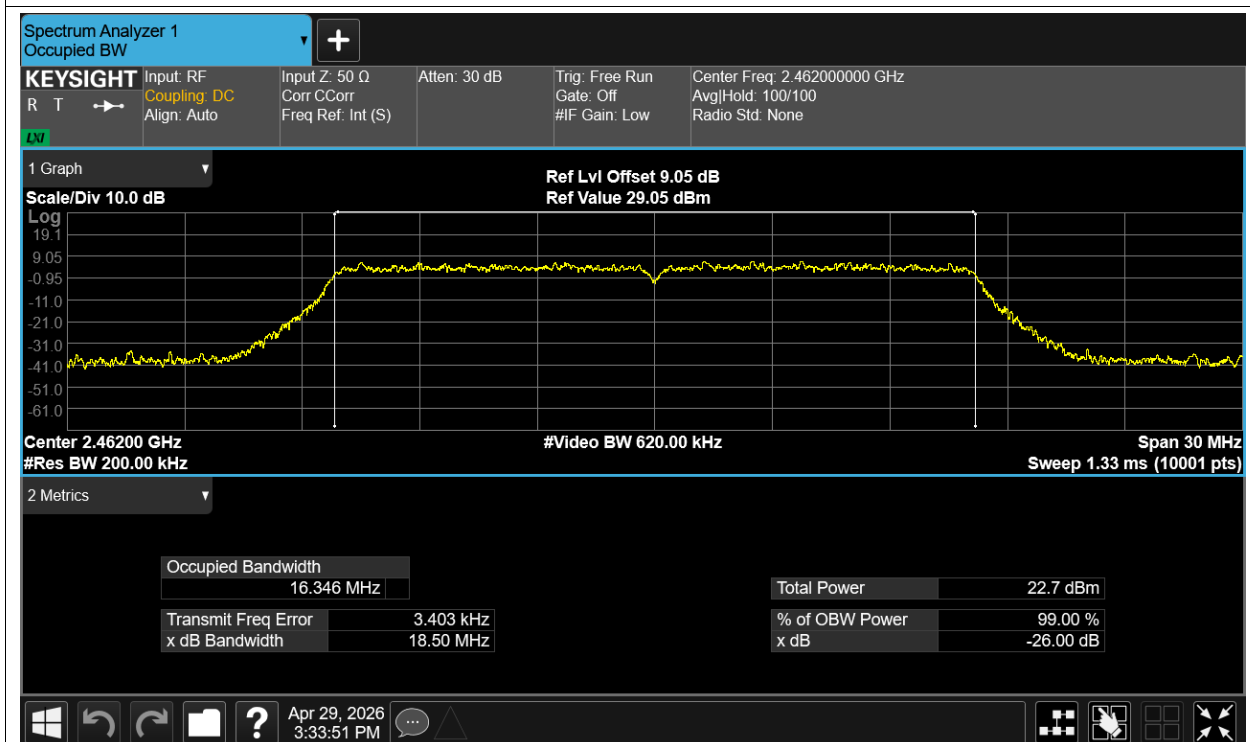
OBW NVNT g 2412MHz Ant2



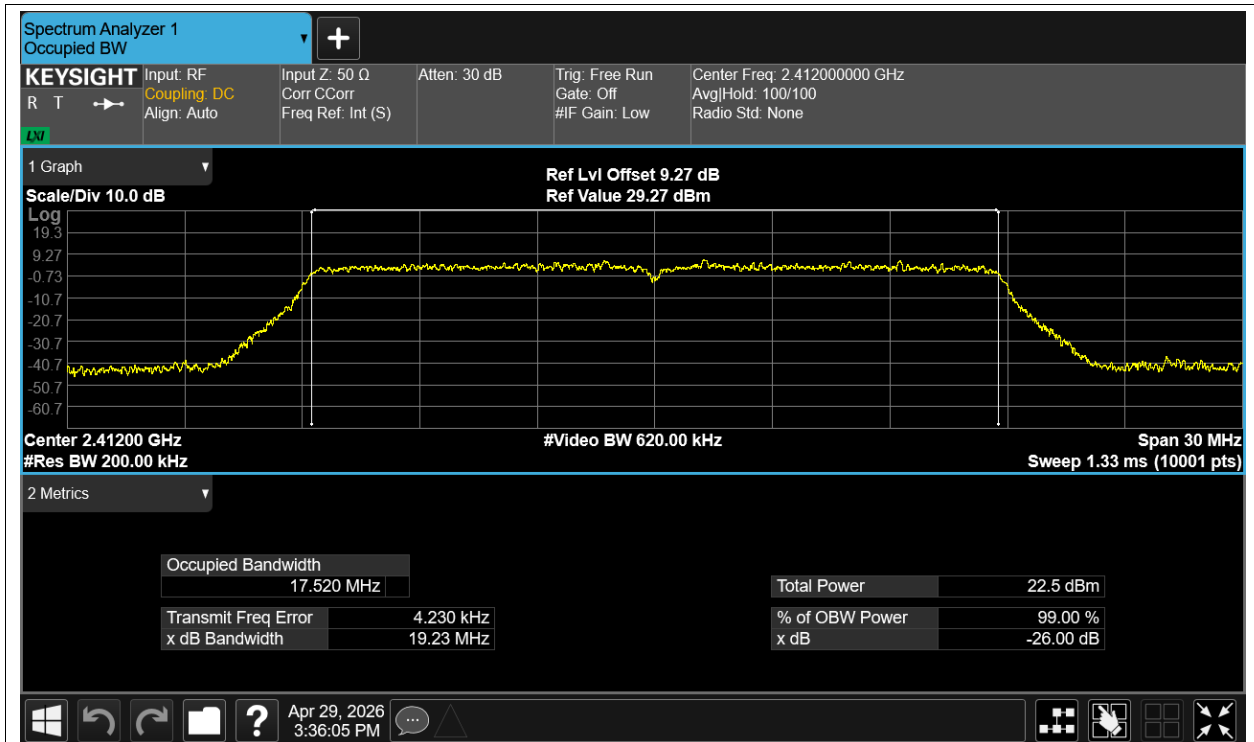
OBW NVNT g 2437MHz Ant2



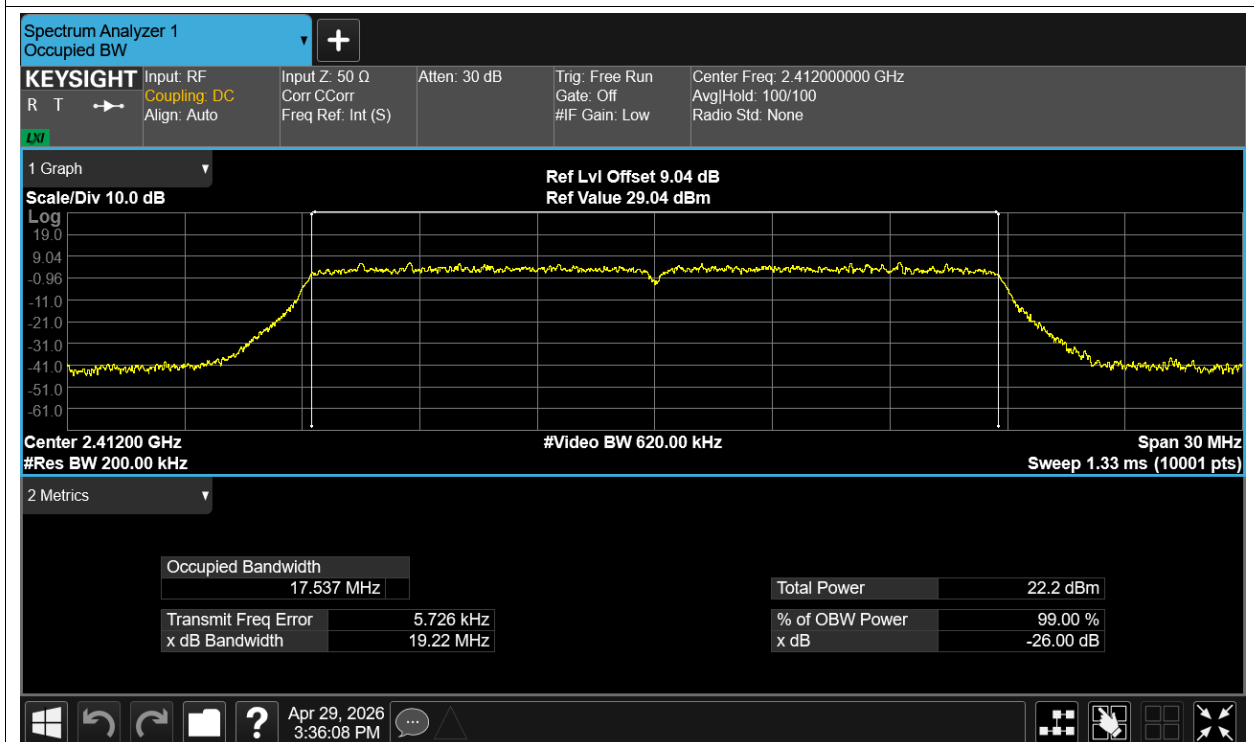
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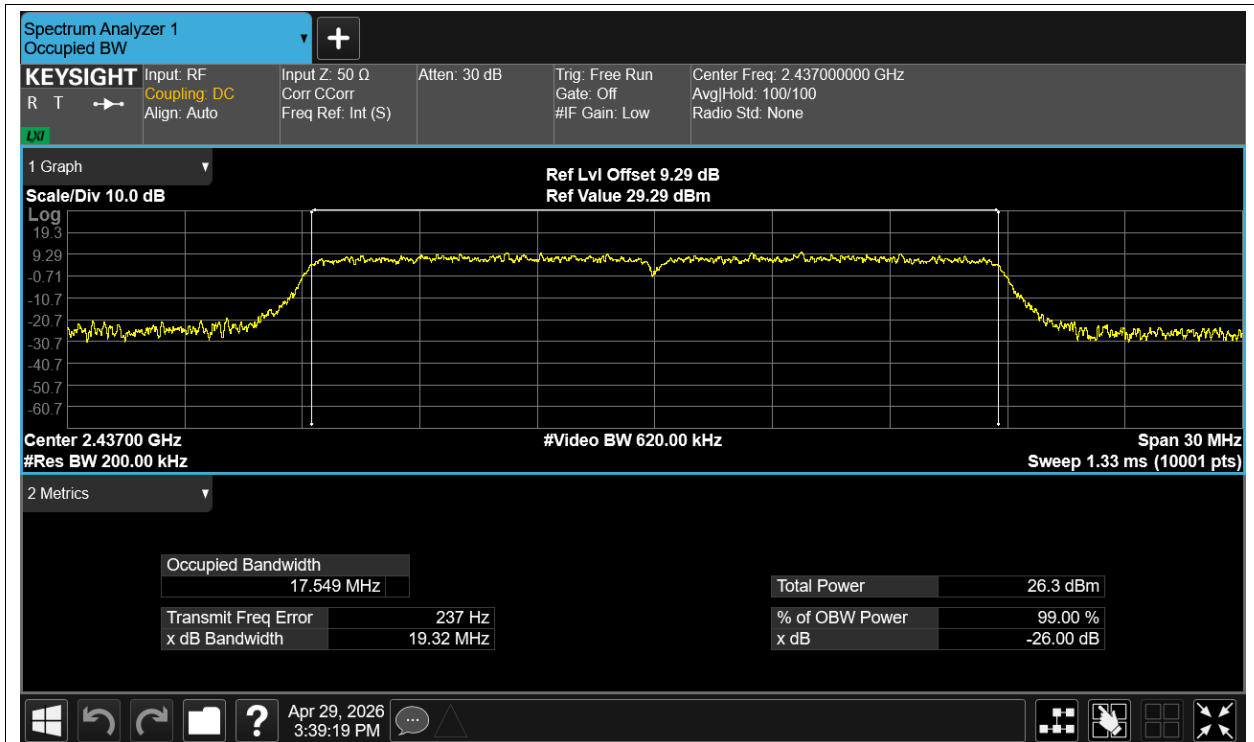
OBW NVNT n20 2412MHz Ant1



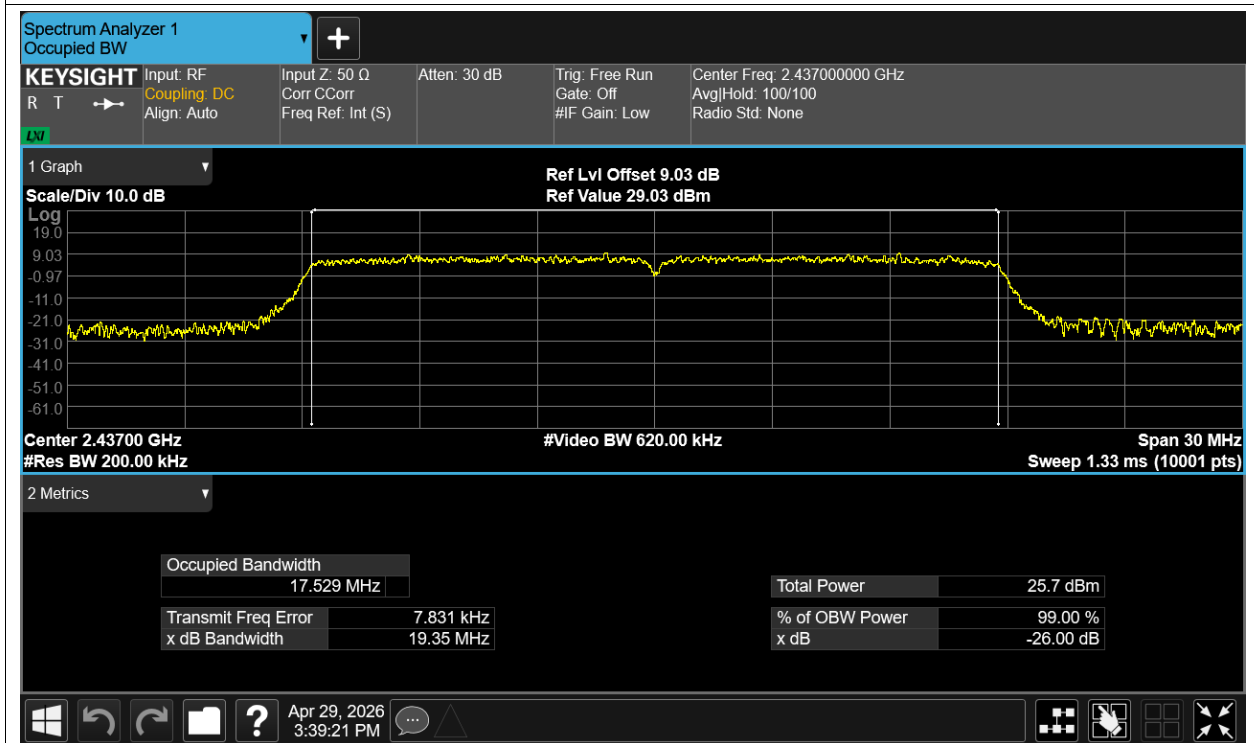
OBW NVNT n20 2412MHz Ant2



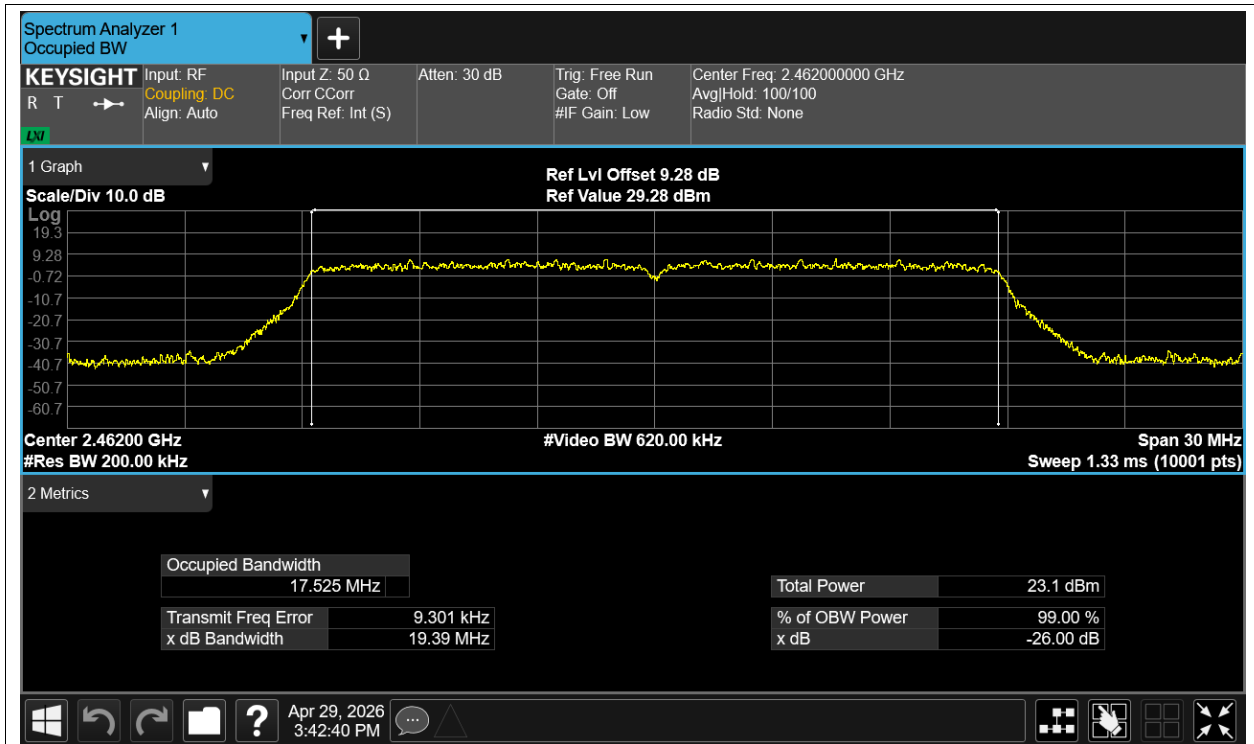
OBW NVNT n20 2437MHz Ant1



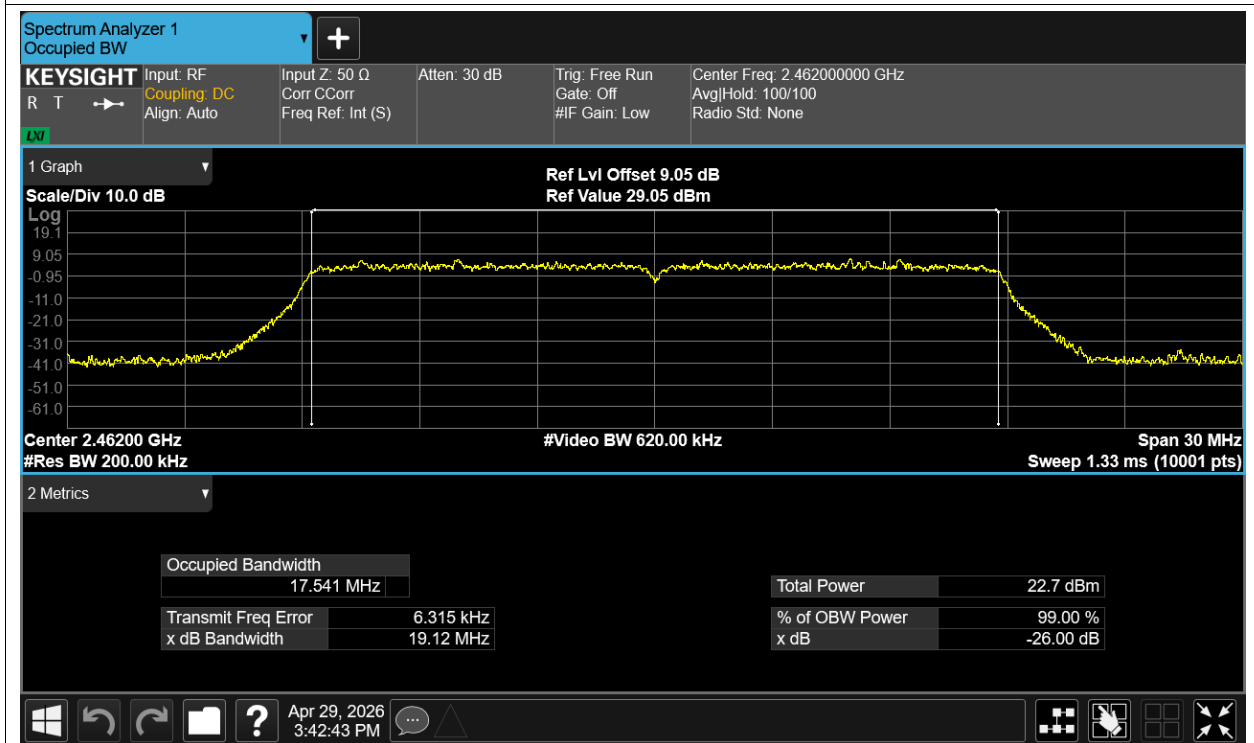
OBW NVNT n20 2437MHz Ant2



OBW NVNT n20 2462MHz Ant1



OBW NVNT n20 2462MHz Ant2



OBW NVNT n40 2422MHz Ant1