

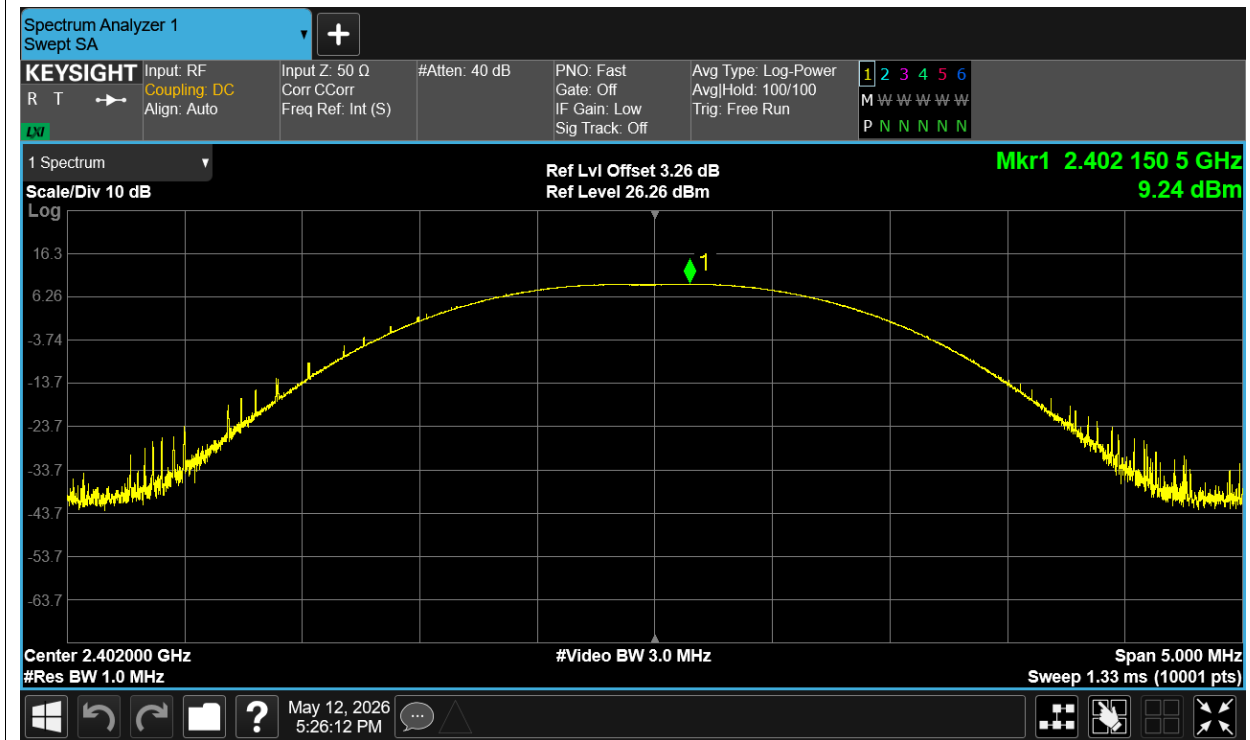
Test Data

Maximum Conducted Output Power

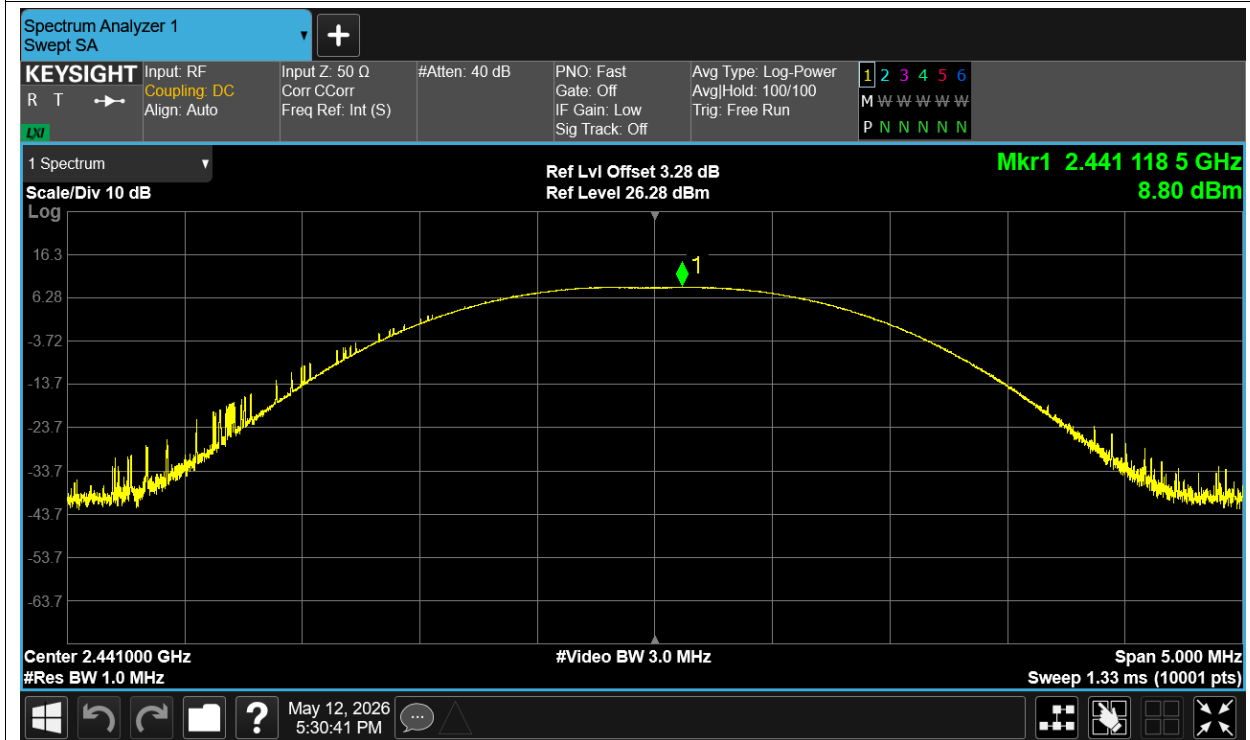
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	9.237	30	Pass
NVNT	1-DH1	2441	Ant1	8.798	30	Pass
NVNT	1-DH1	2480	Ant1	7.952	30	Pass
NVNT	2-DH1	2402	Ant1	9.596	21	Pass
NVNT	2-DH1	2441	Ant1	9.731	21	Pass
NVNT	2-DH1	2480	Ant1	8.57	21	Pass
NVNT	3-DH1	2402	Ant1	9.925	21	Pass
NVNT	3-DH1	2441	Ant1	10.03	21	Pass
NVNT	3-DH1	2480	Ant1	8.862	21	Pass

Test Graphs

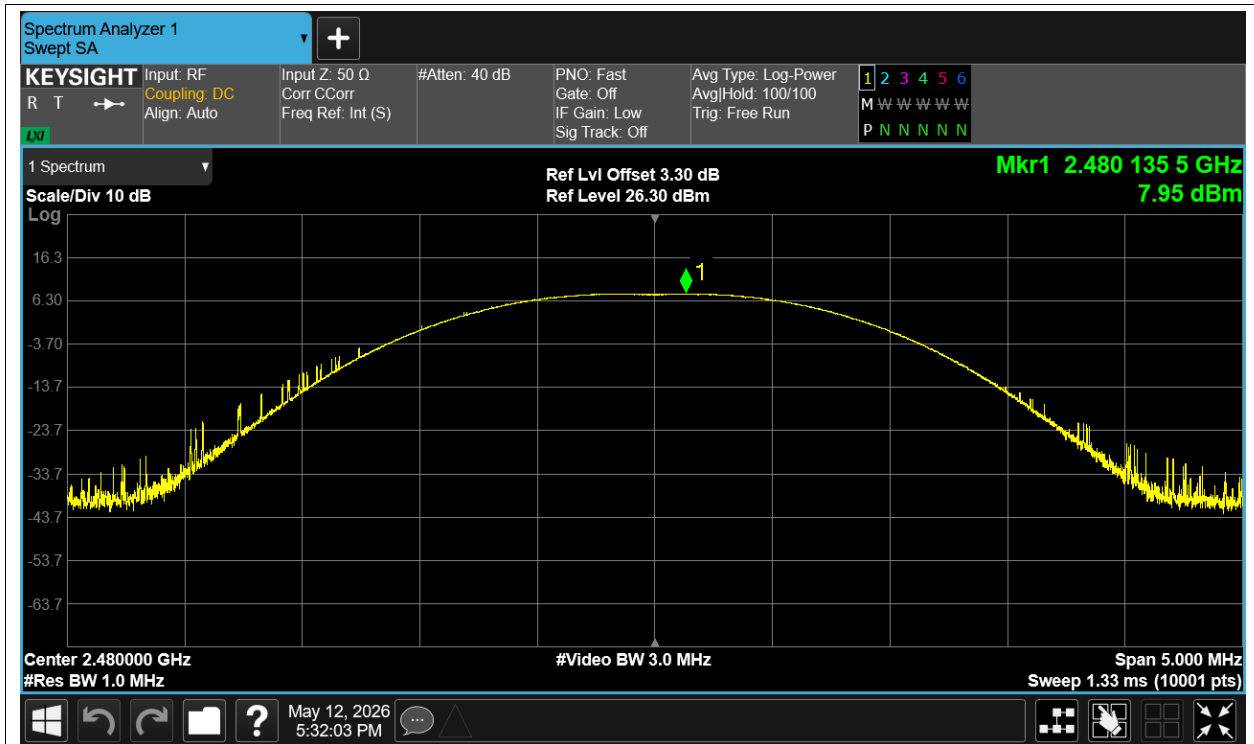
Power NVNT 1-DH1 2402MHz Ant1



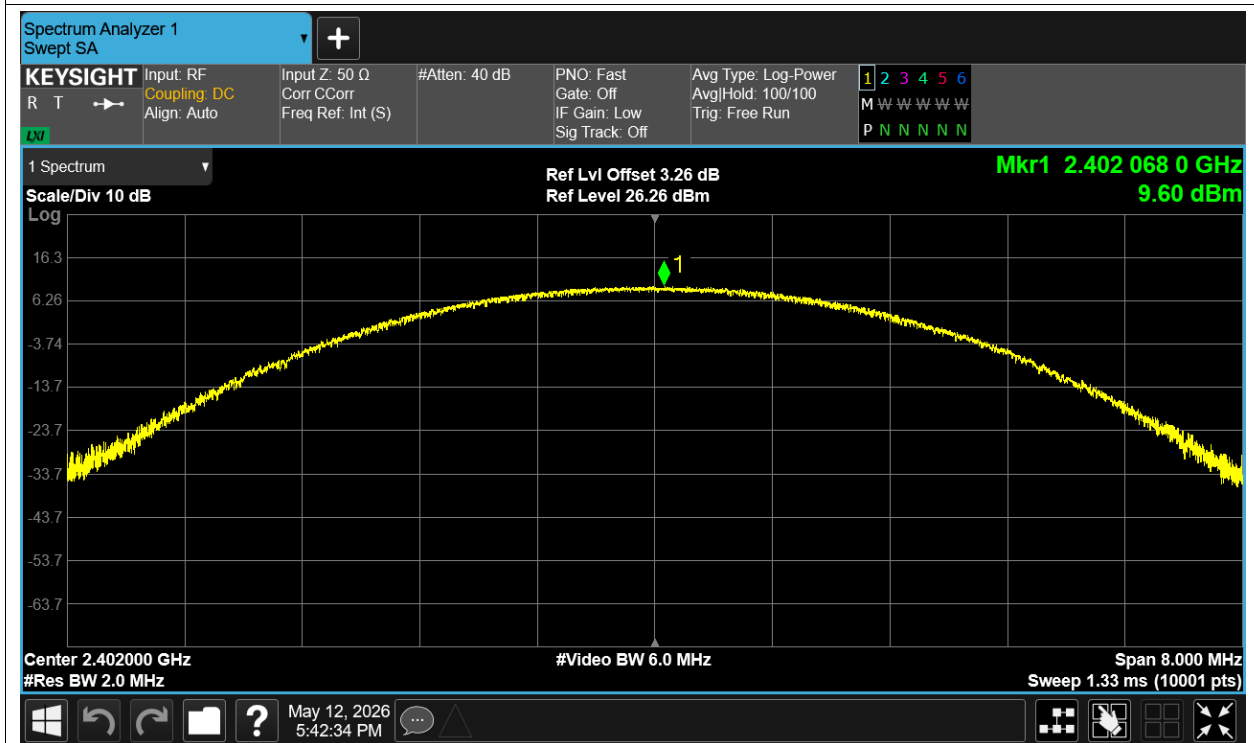
Power NVNT 1-DH1 2441MHz Ant1



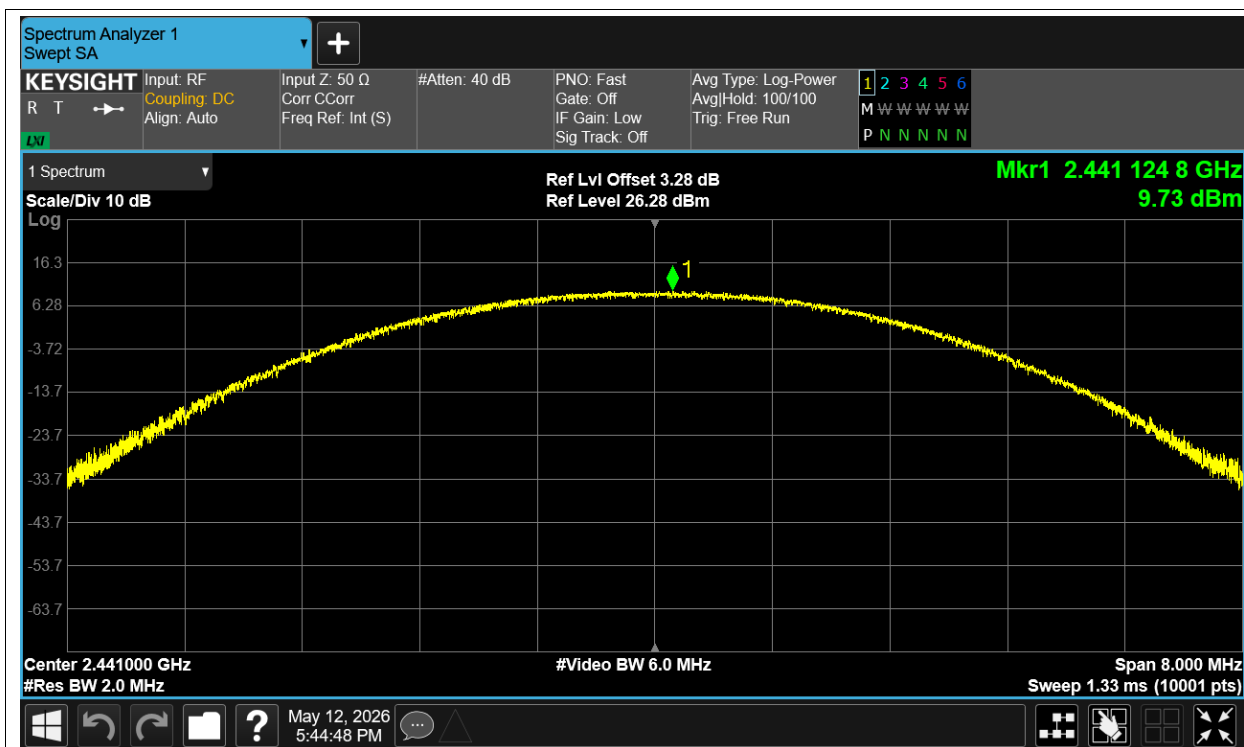
Power NVNT 1-DH1 2480MHz Ant1



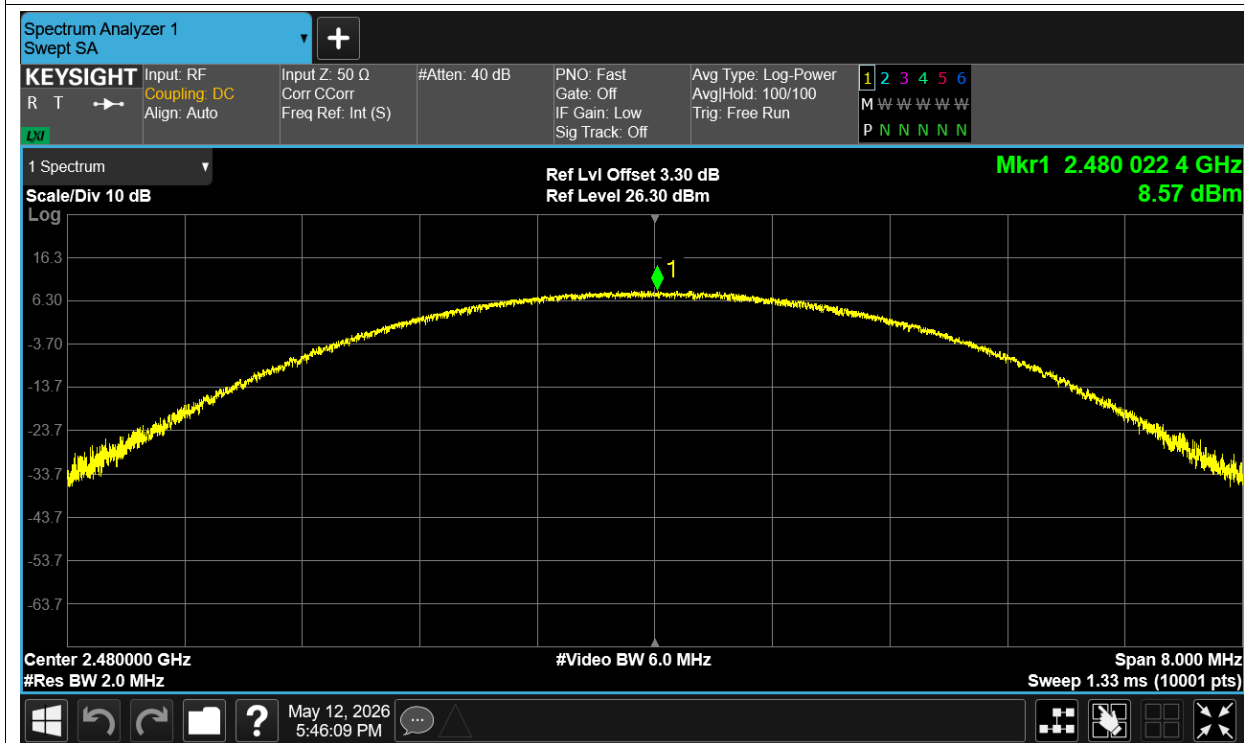
Power NVNT 2-DH1 2402MHz Ant1



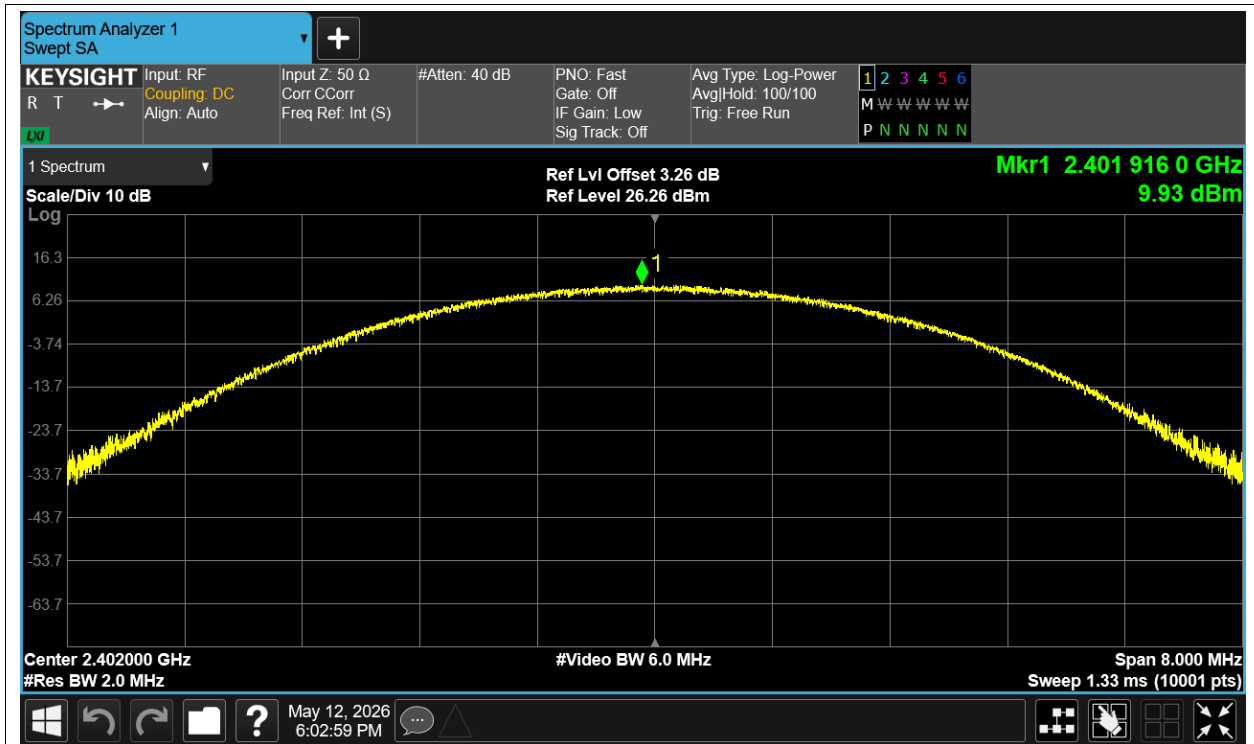
Power NVNT 2-DH1 2441MHz Ant1



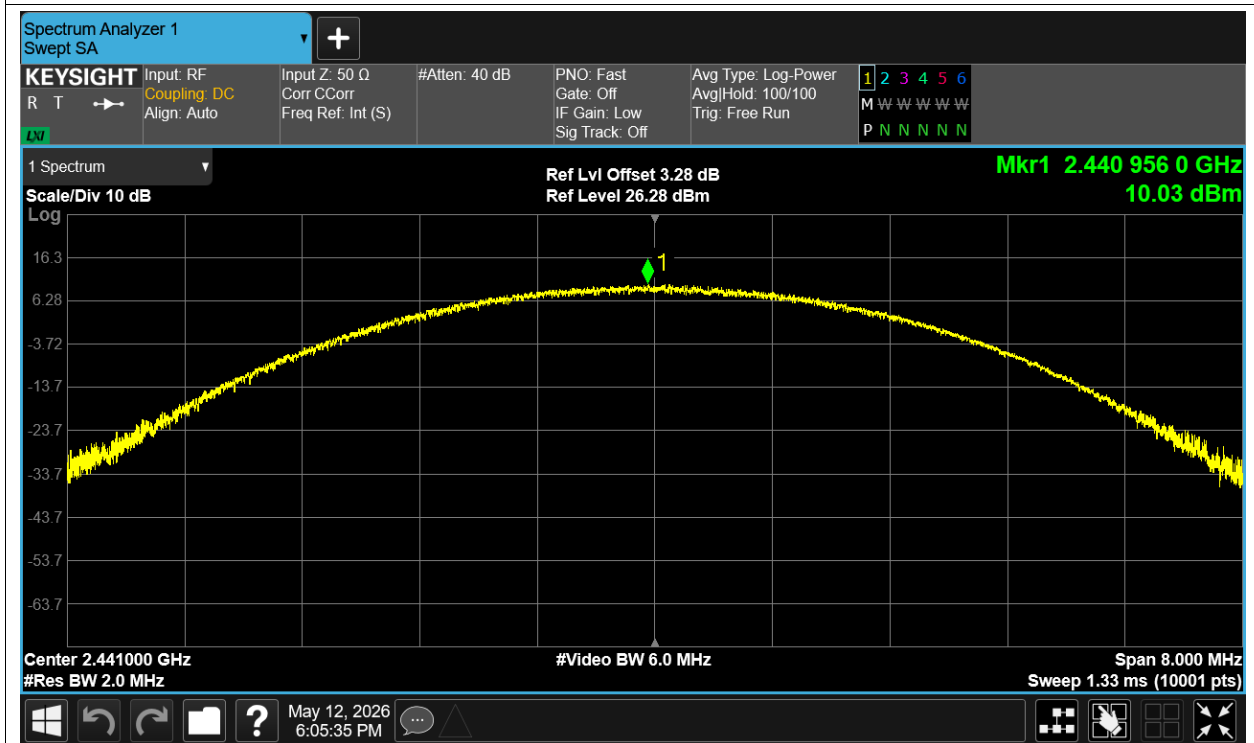
Power NVNT 2-DH1 2480MHz Ant1



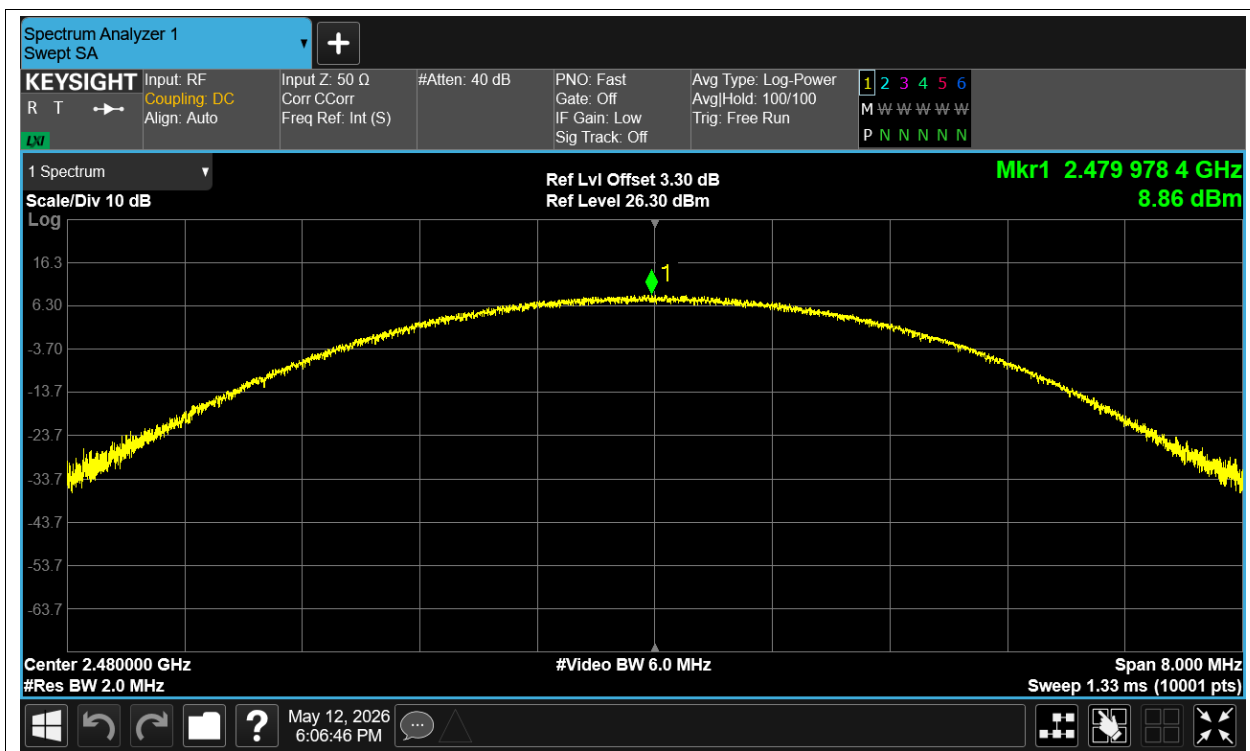
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1

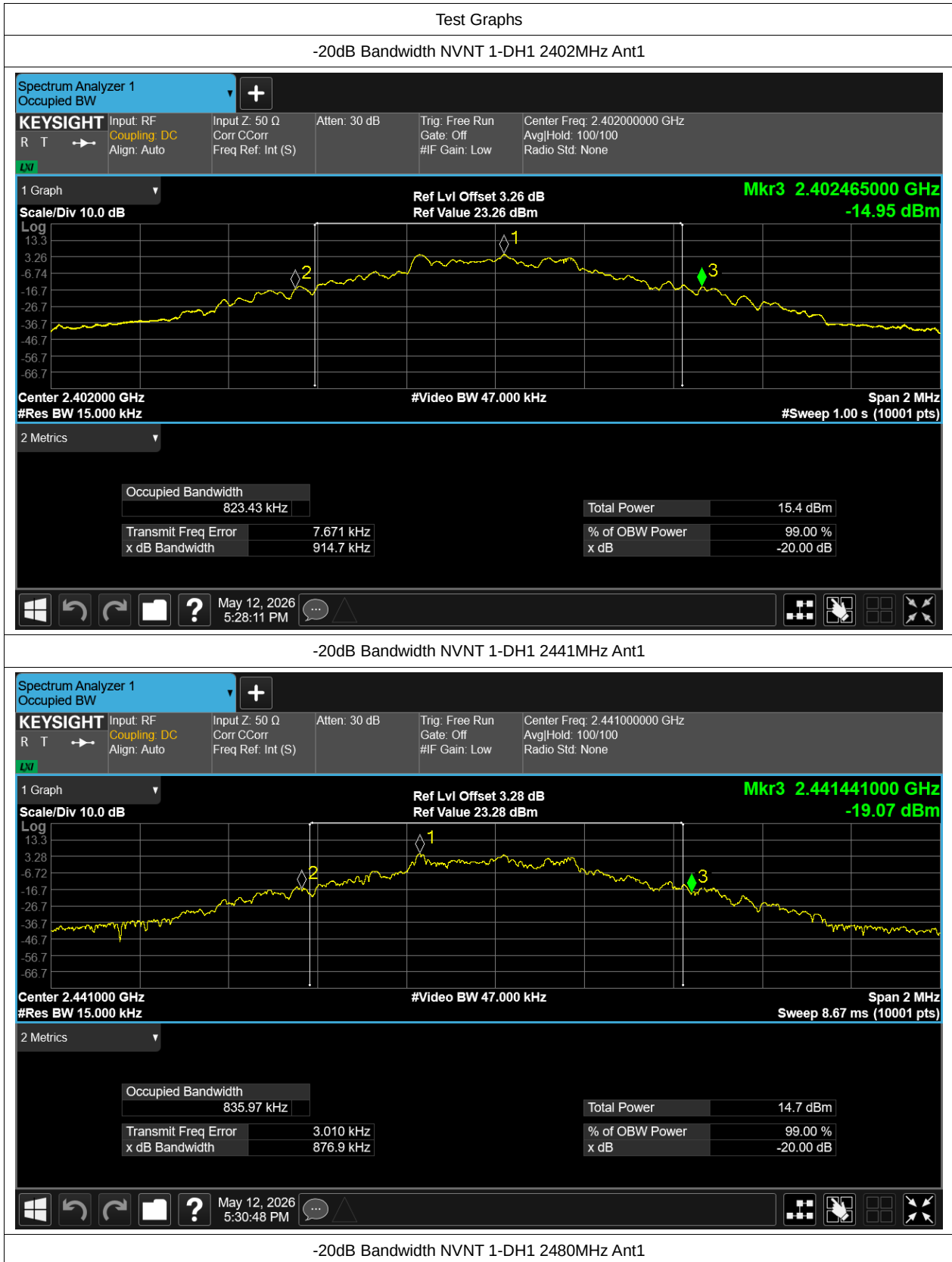


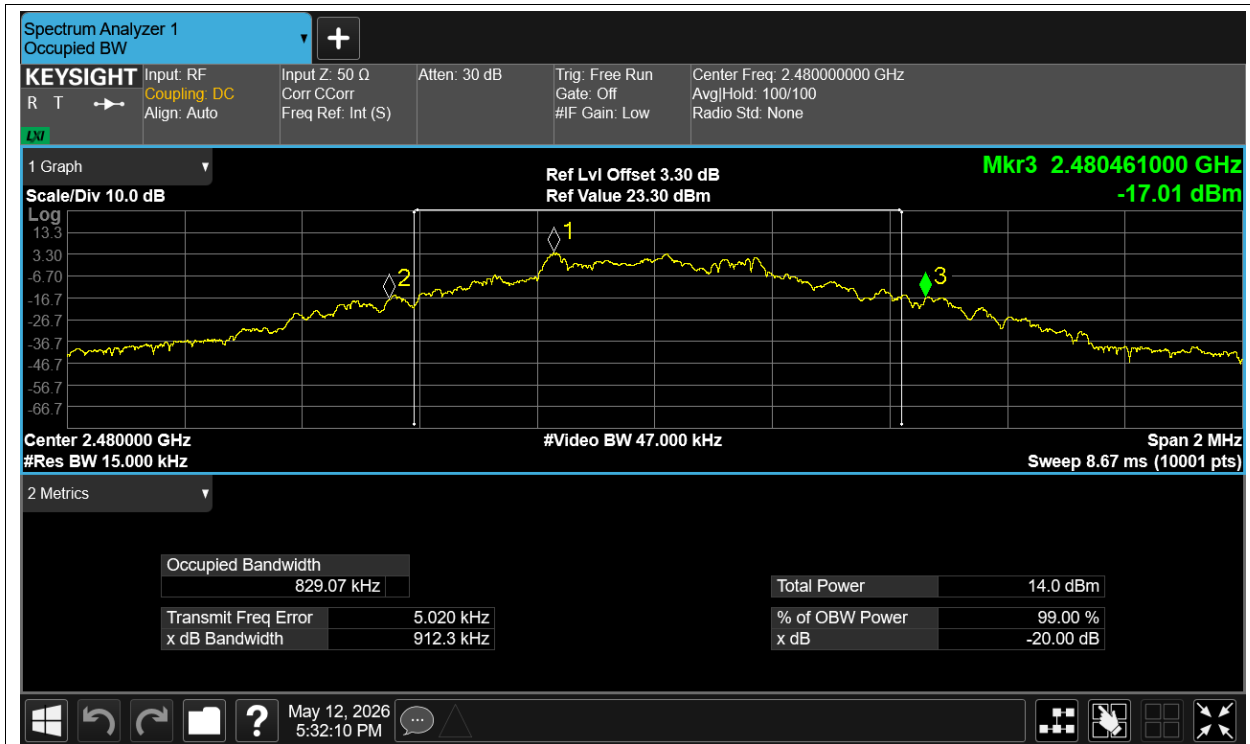
Power NVNT 3-DH1 2480MHz Ant1



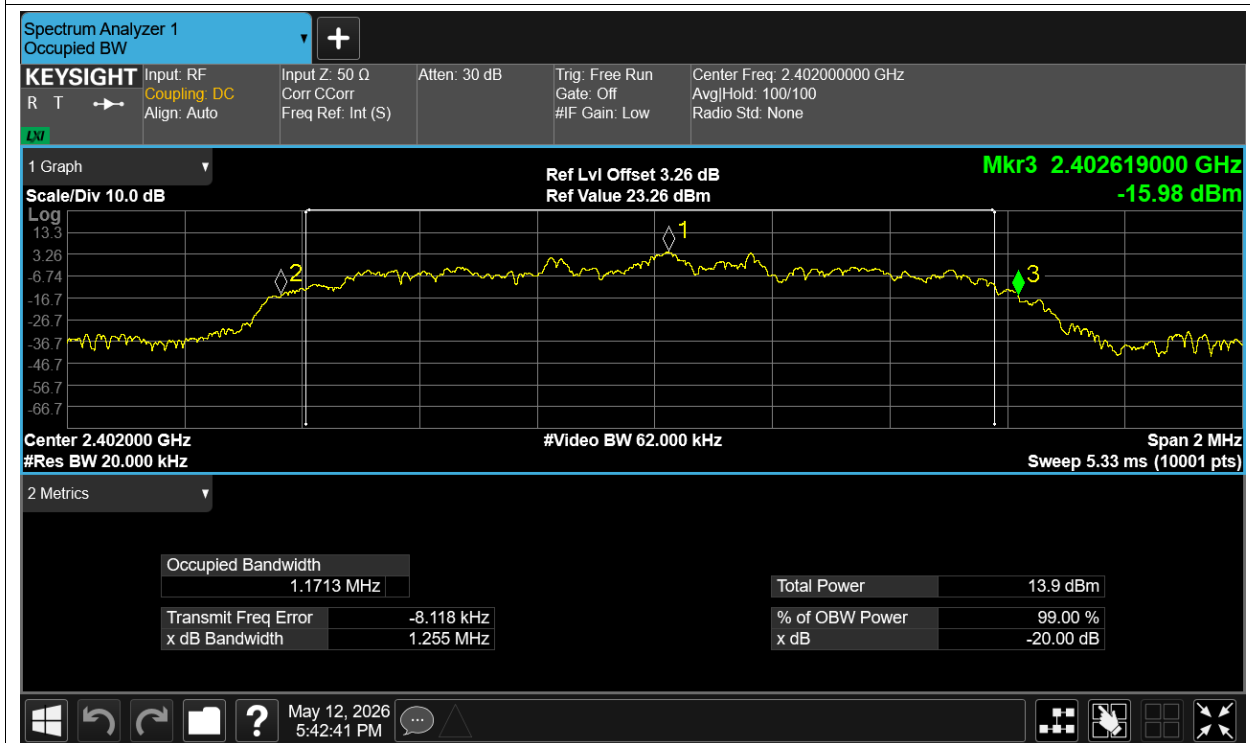
-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)
NVNT	1-DH1	2402	Ant1	0.915
NVNT	1-DH1	2441	Ant1	0.877
NVNT	1-DH1	2480	Ant1	0.912
NVNT	2-DH1	2402	Ant1	1.255
NVNT	2-DH1	2441	Ant1	1.267
NVNT	2-DH1	2480	Ant1	1.256
NVNT	3-DH1	2402	Ant1	1.22
NVNT	3-DH1	2441	Ant1	1.251
NVNT	3-DH1	2480	Ant1	1.252

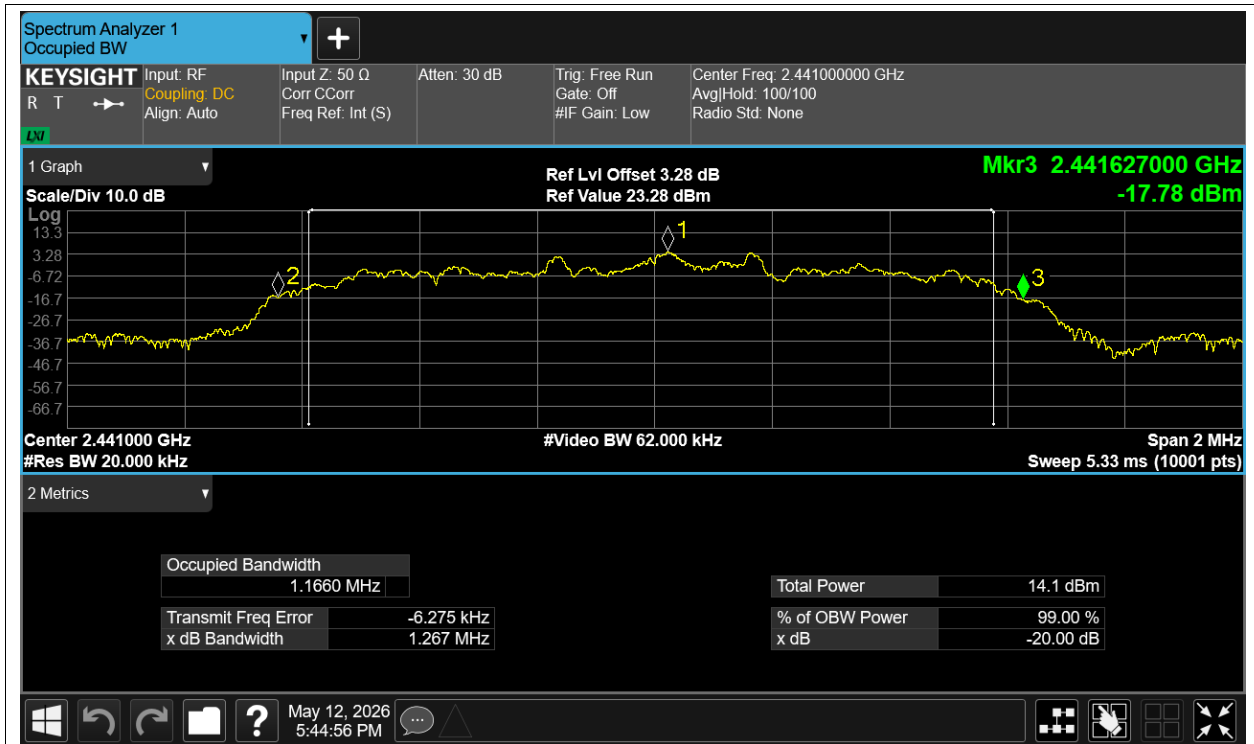




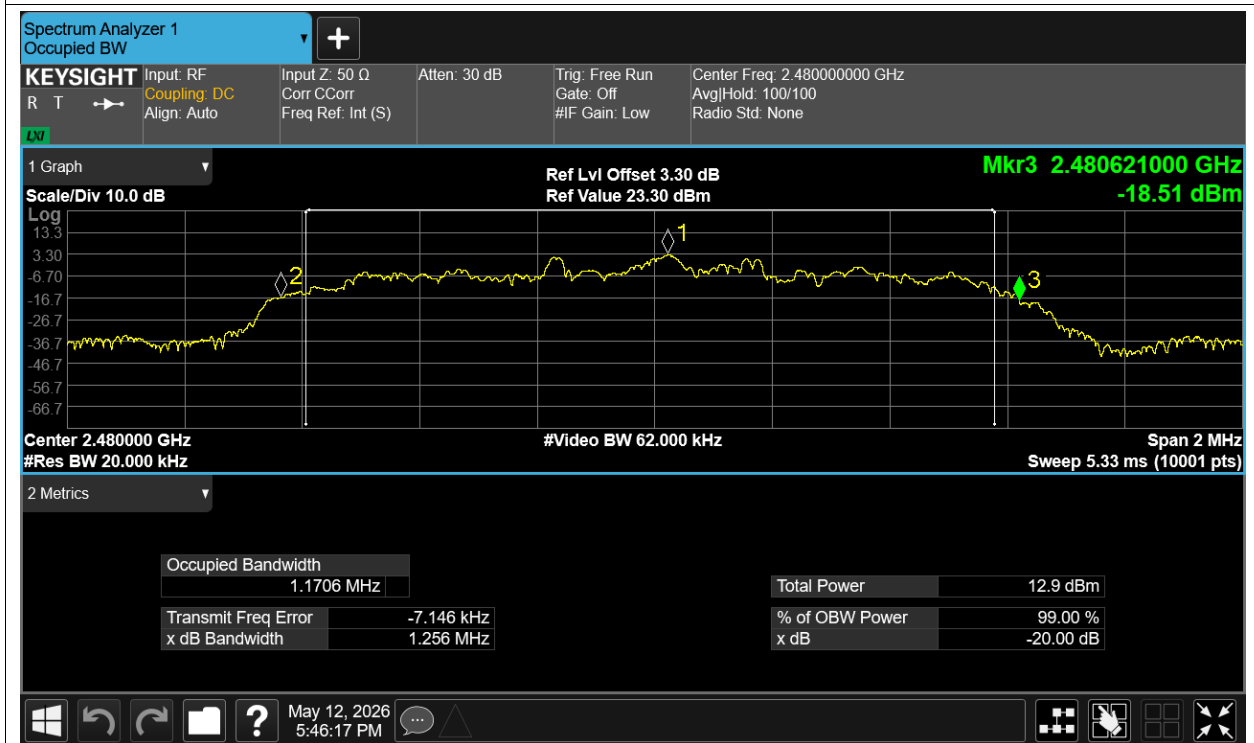
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



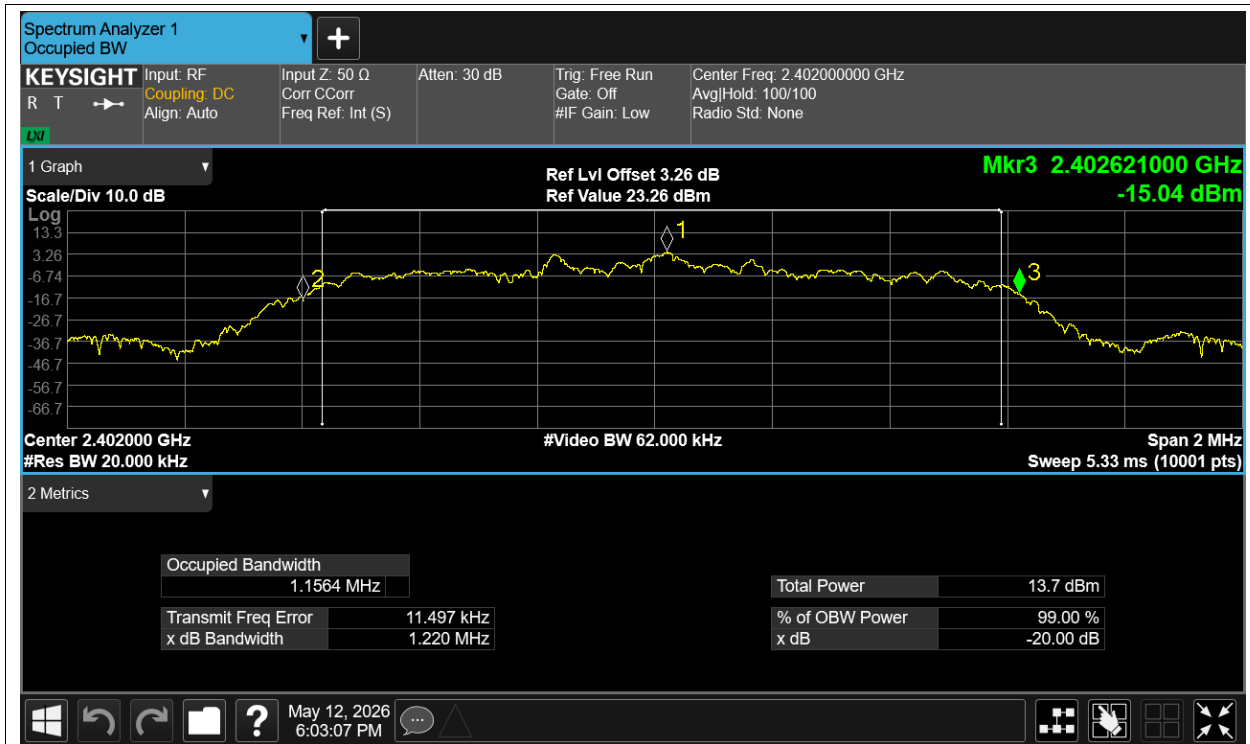
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



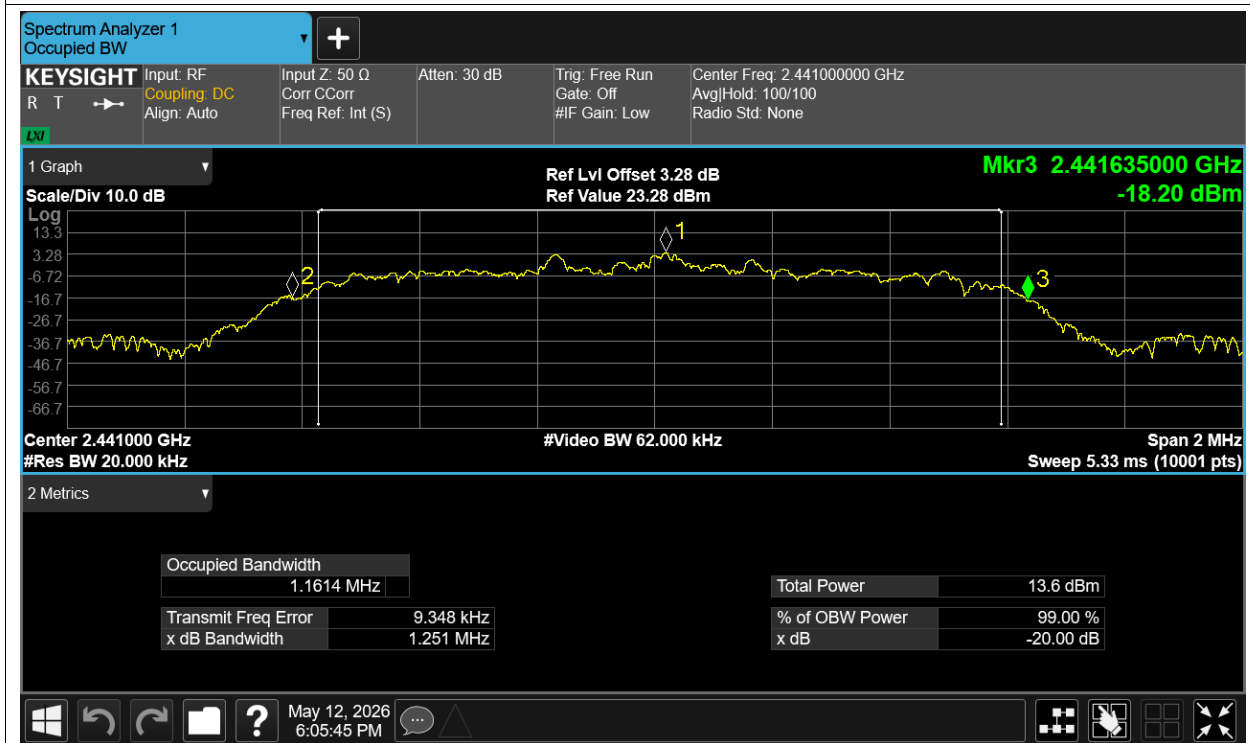
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



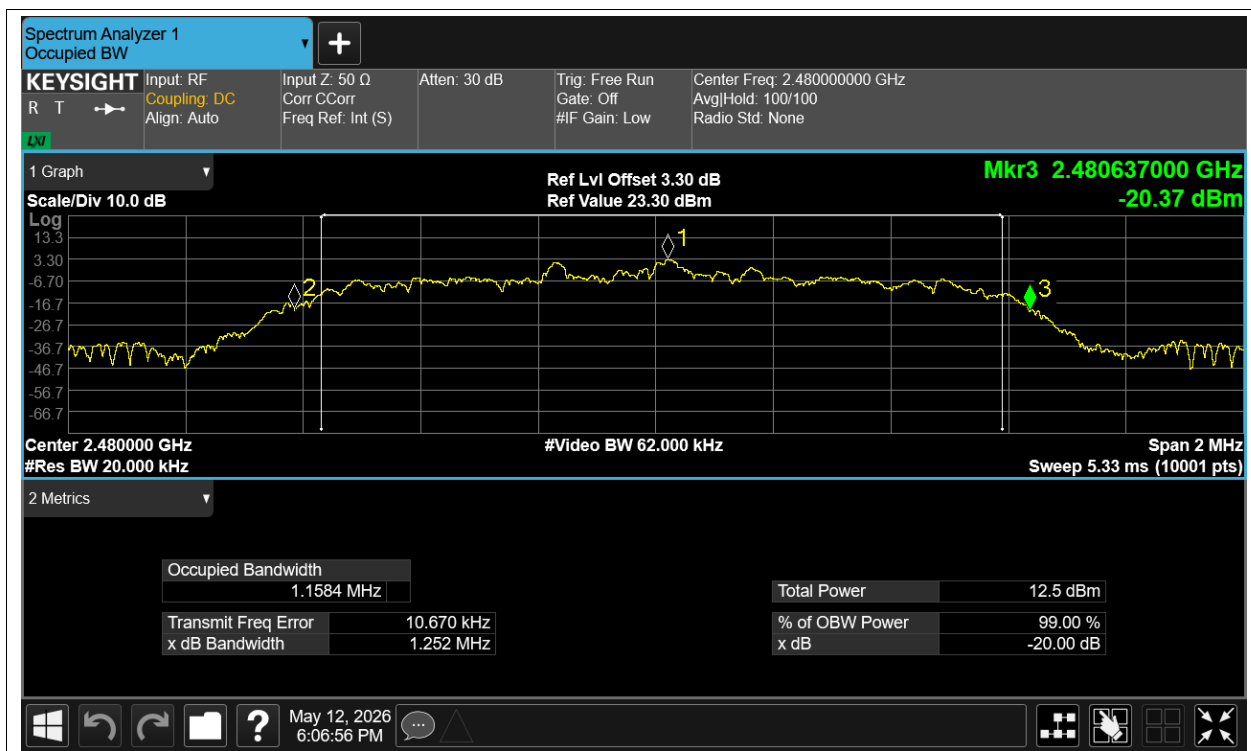
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1

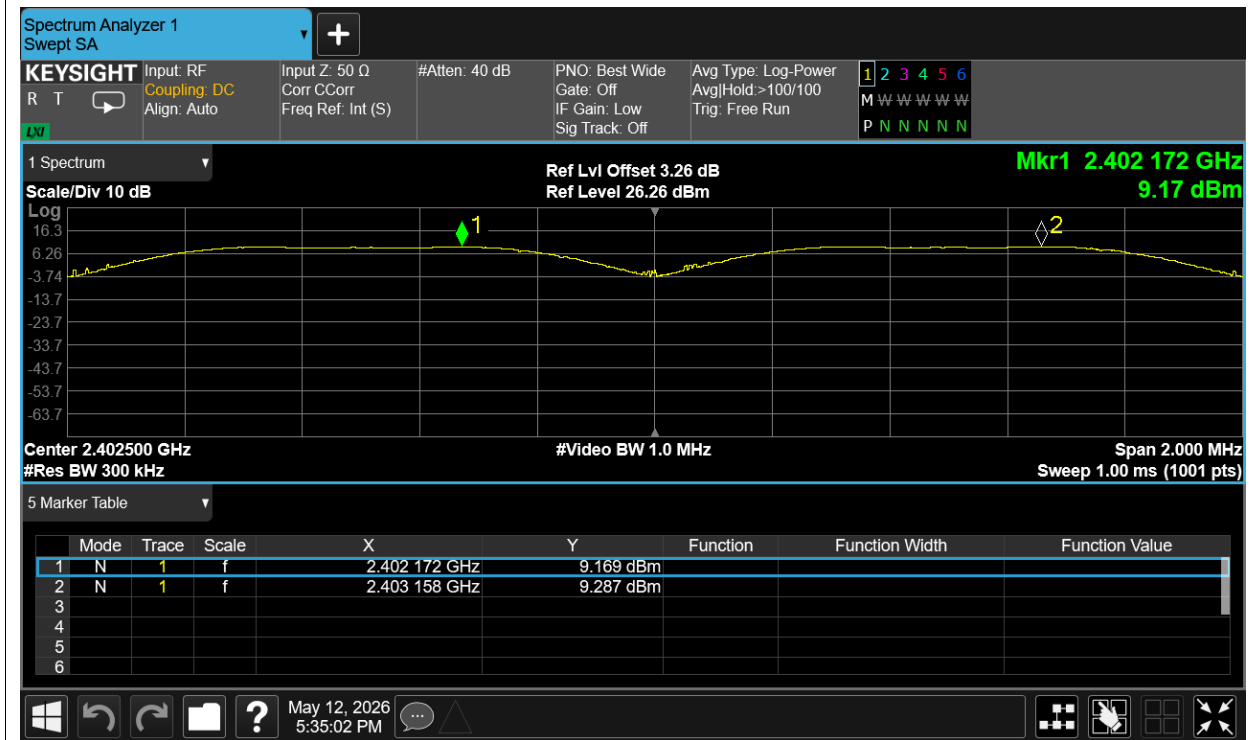


Carrier Frequencies Separation

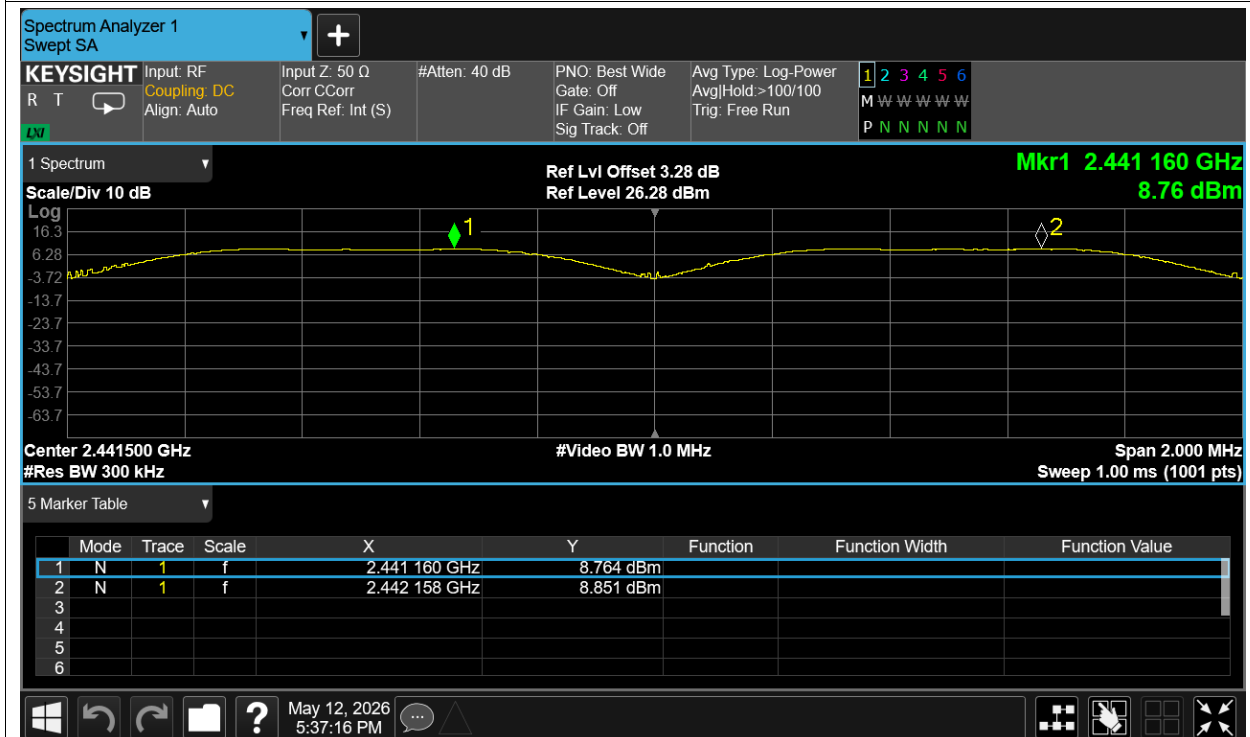
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2402.172	2403.158	0.986	0.915	Pass
NVNT	1-DH1	Ant1	2441.16	2442.158	0.998	0.877	Pass
NVNT	1-DH1	Ant1	2479.168	2480.156	0.988	0.912	Pass
NVNT	2-DH1	Ant1	2402.158	2403.162	1.004	0.837	Pass
NVNT	2-DH1	Ant1	2441.176	2442.16	0.984	0.845	Pass
NVNT	2-DH1	Ant1	2479.158	2480.152	0.994	0.837	Pass
NVNT	3-DH1	Ant1	2402.162	2402.994	0.832	0.813	Pass
NVNT	3-DH1	Ant1	2441.162	2442.164	1.002	0.834	Pass
NVNT	3-DH1	Ant1	2479.166	2480.158	0.992	0.835	Pass

Test Graphs

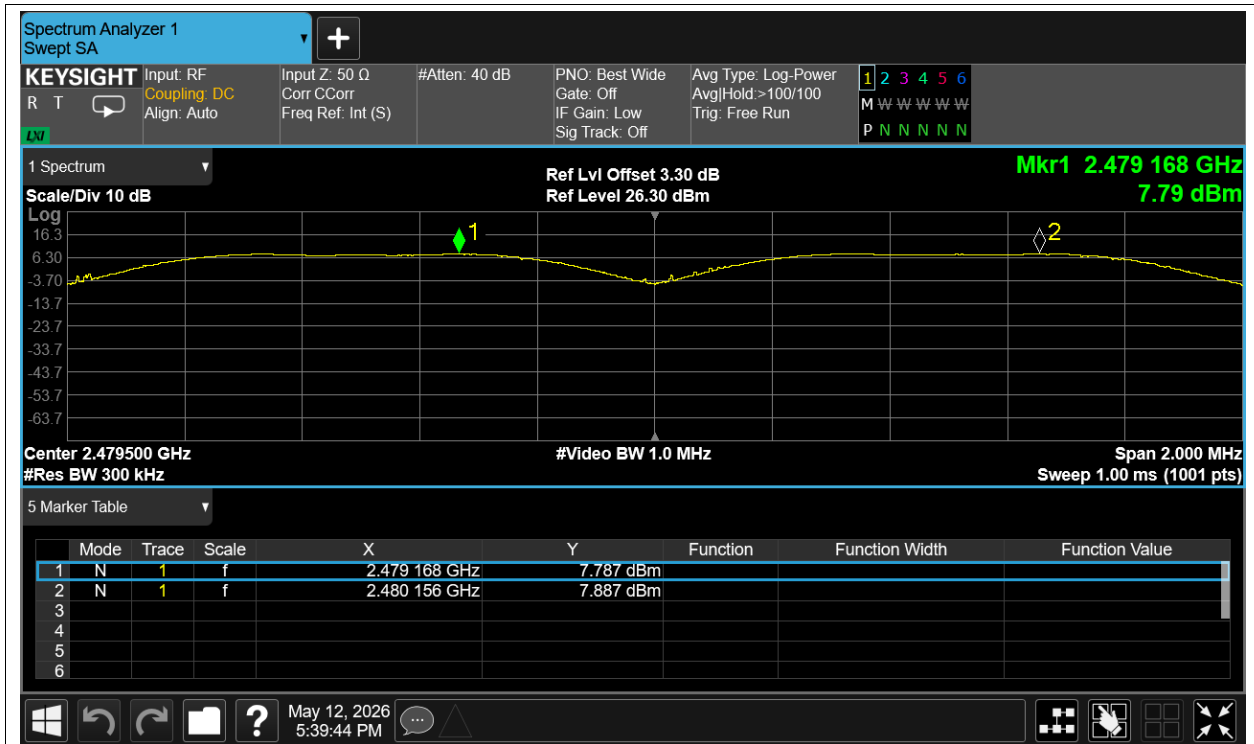
CFS NVNT 1-DH1 2402MHz Ant1



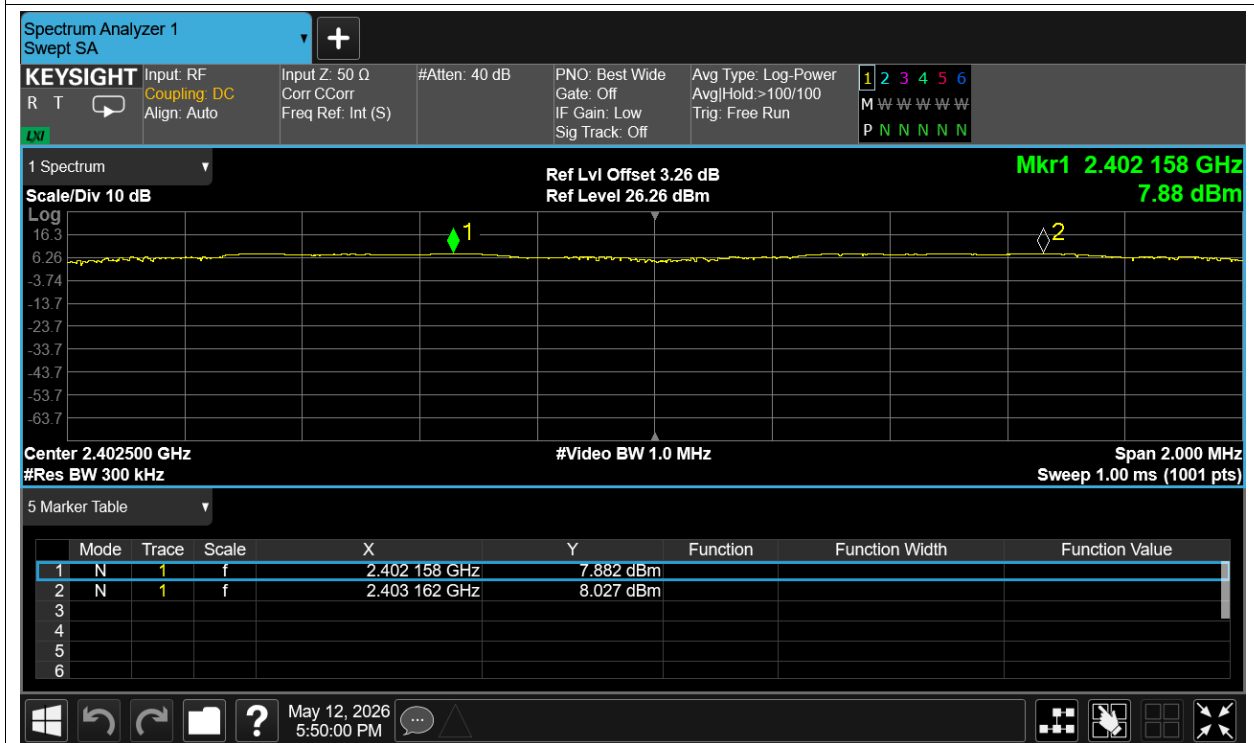
CFS NVNT 1-DH1 2441MHz Ant1



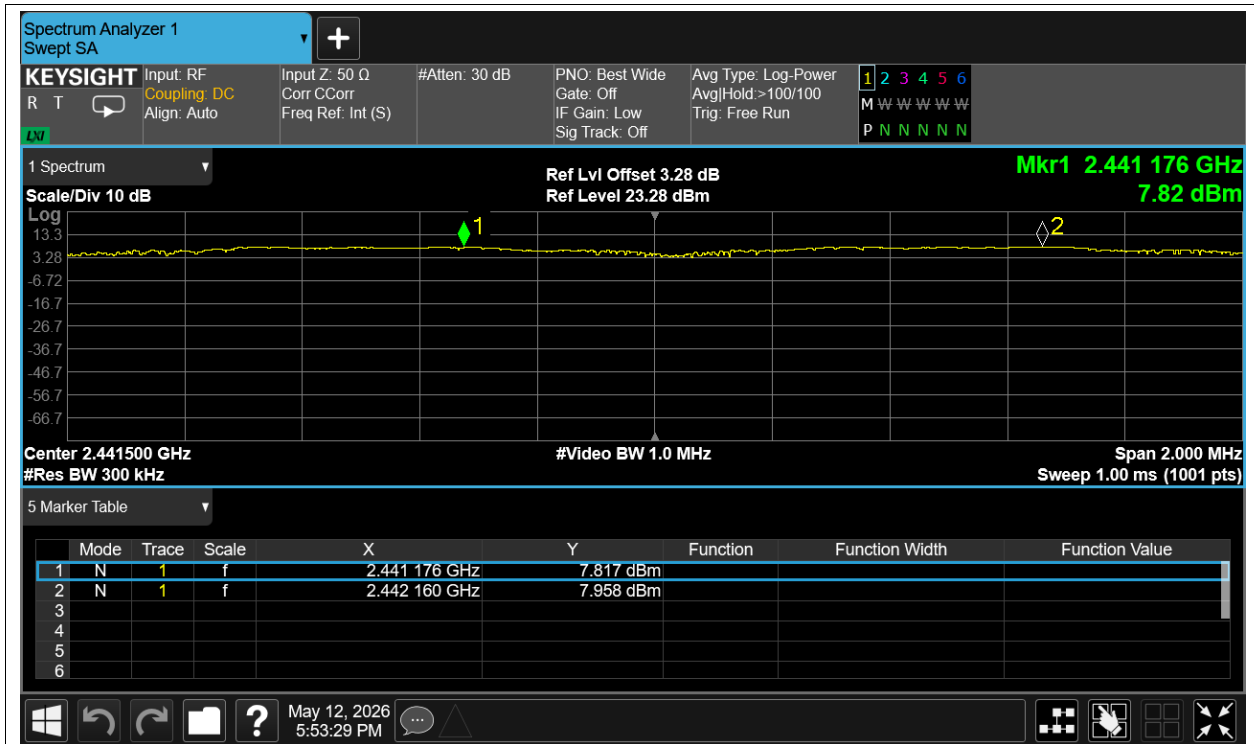
CFS NVNT 1-DH1 2480MHz Ant1



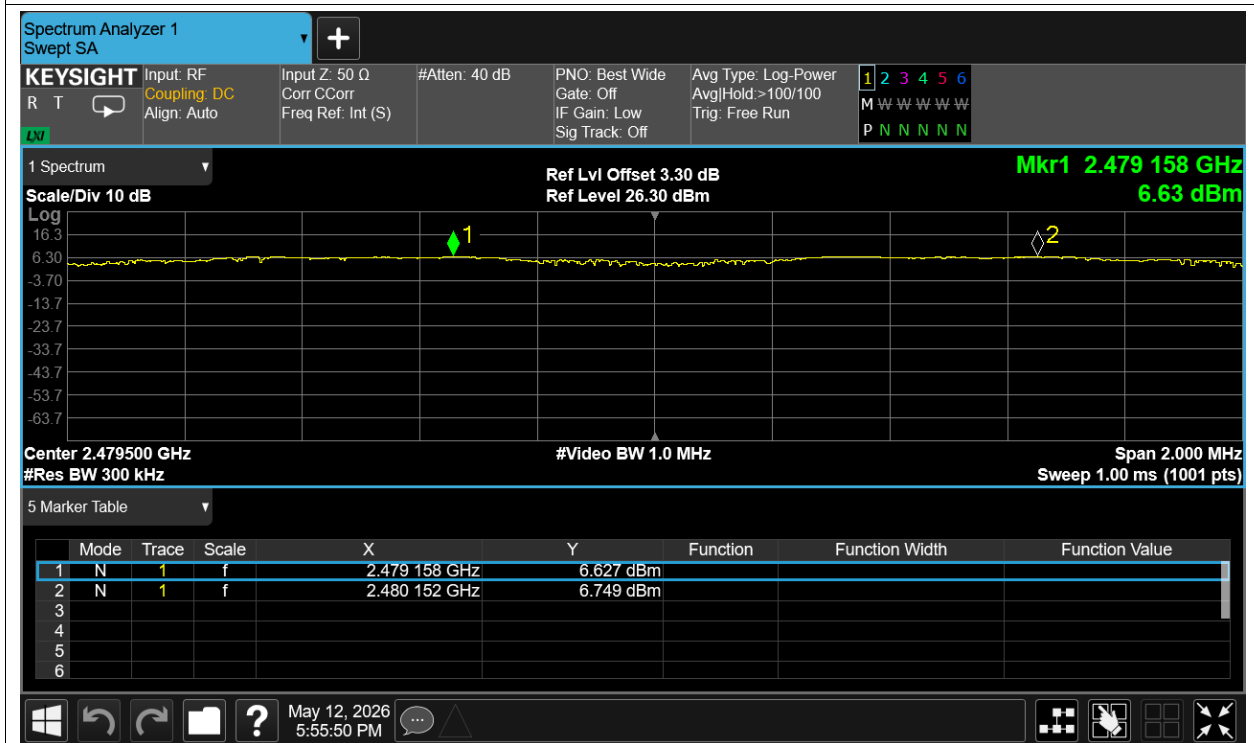
CFS NVNT 2-DH1 2402MHz Ant1



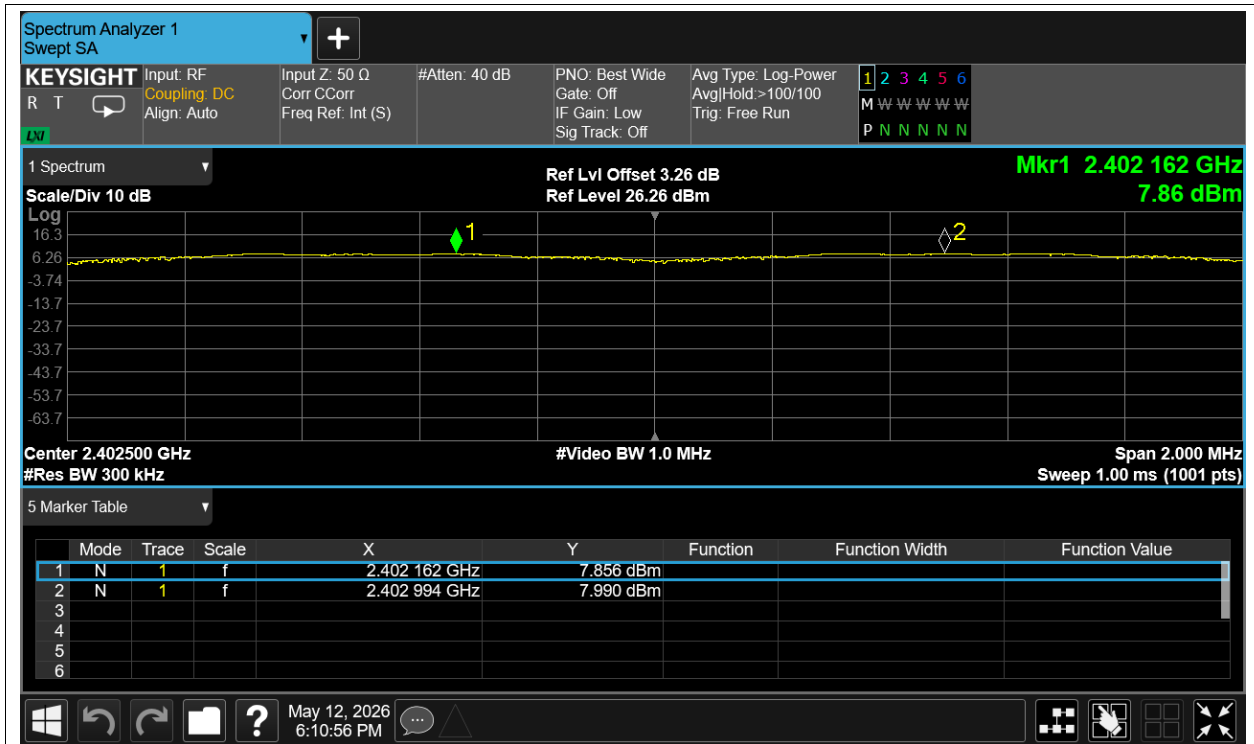
CFS NVNT 2-DH1 2441MHz Ant1



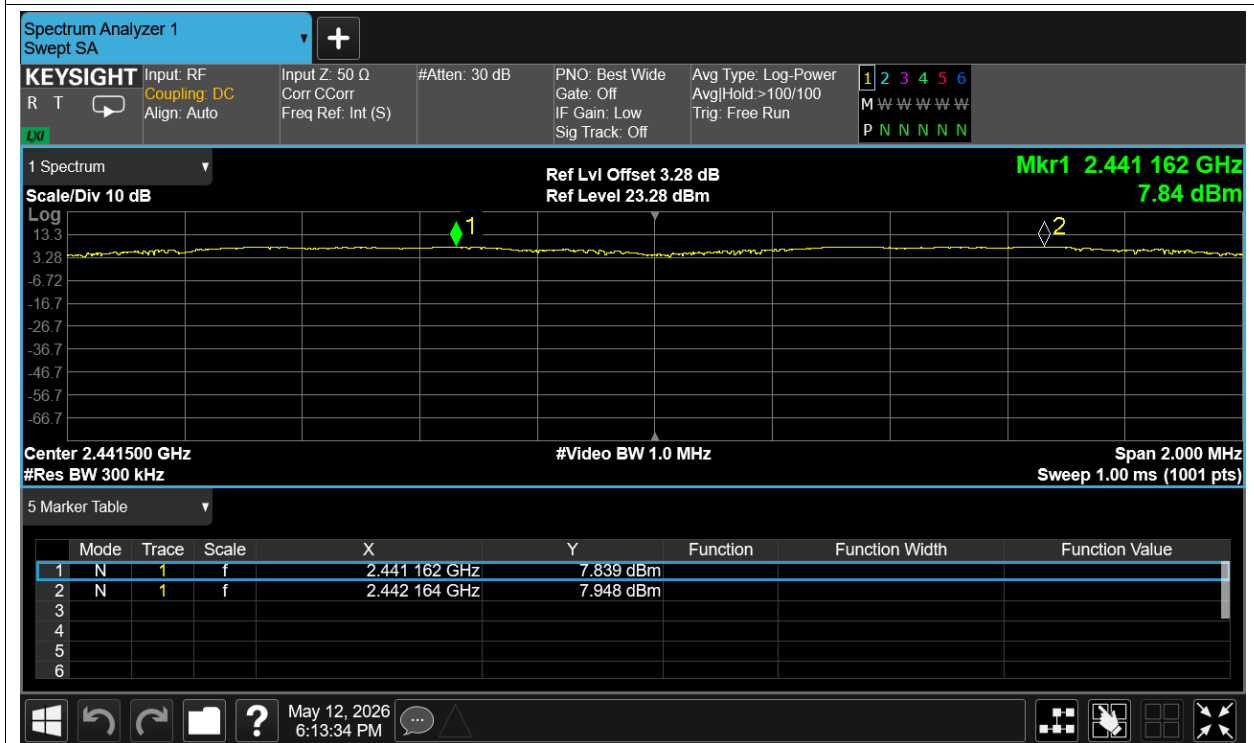
CFS NVNT 2-DH1 2480MHz Ant1



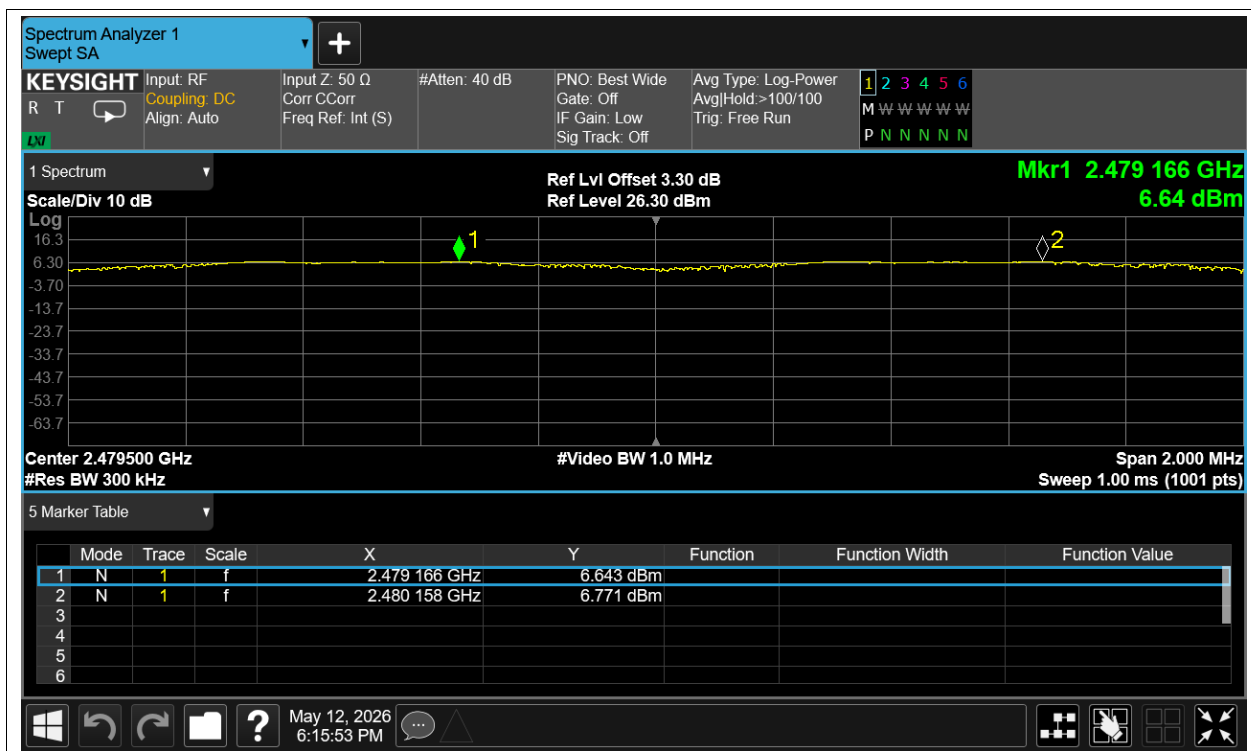
CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1



CFS NVNT 3-DH1 2480MHz Ant1

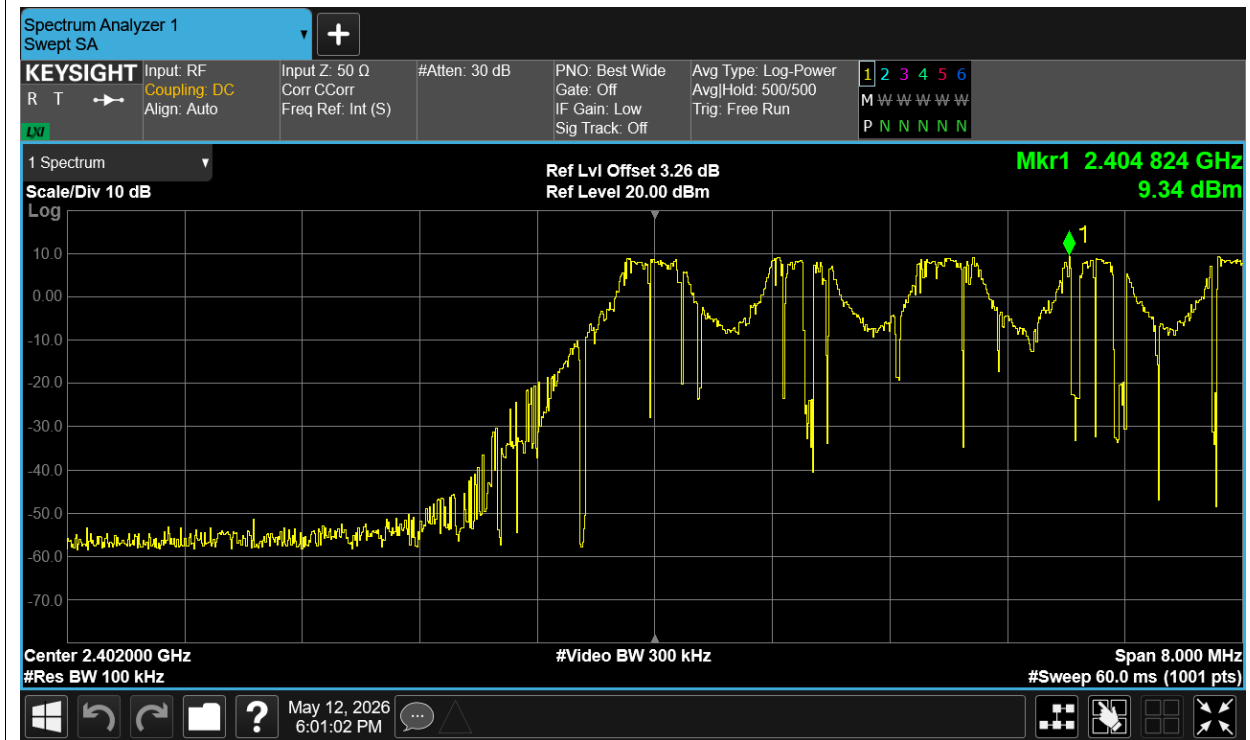


Band Edge

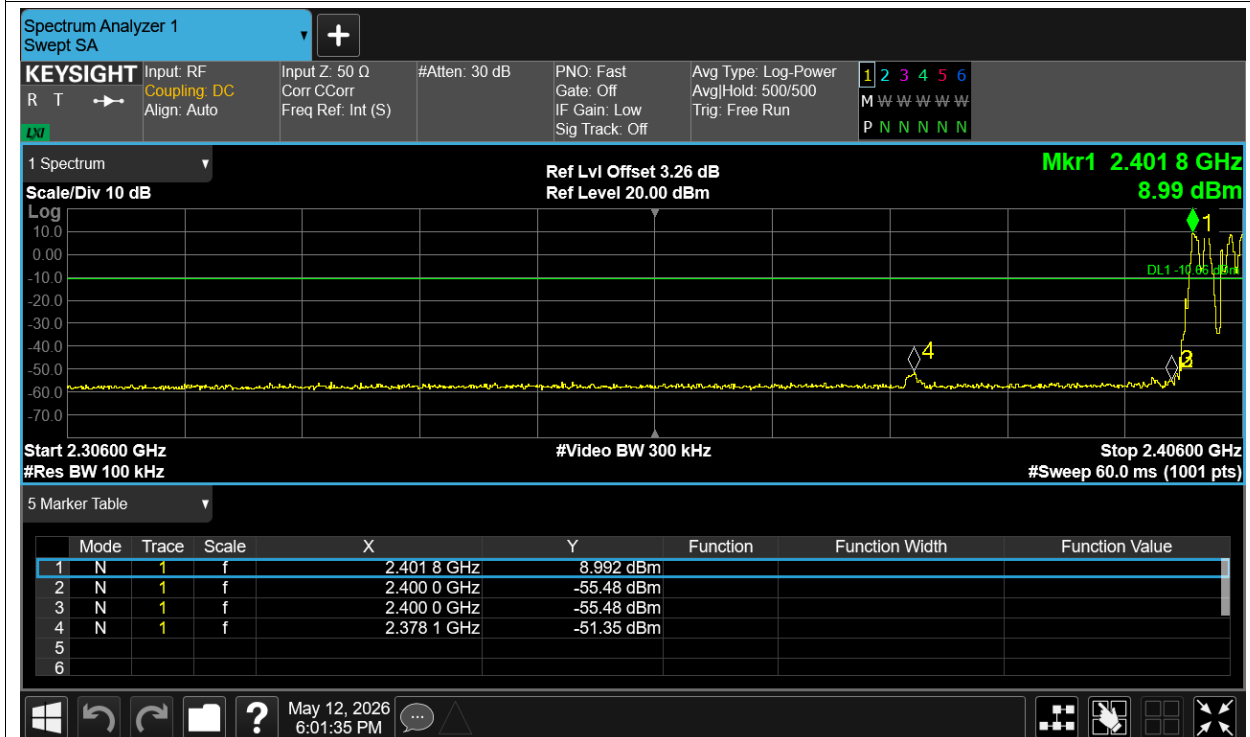
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-60.69	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-59.3	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-55.57	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-55.53	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-54.19	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-55.47	-20	Pass

Test Graphs

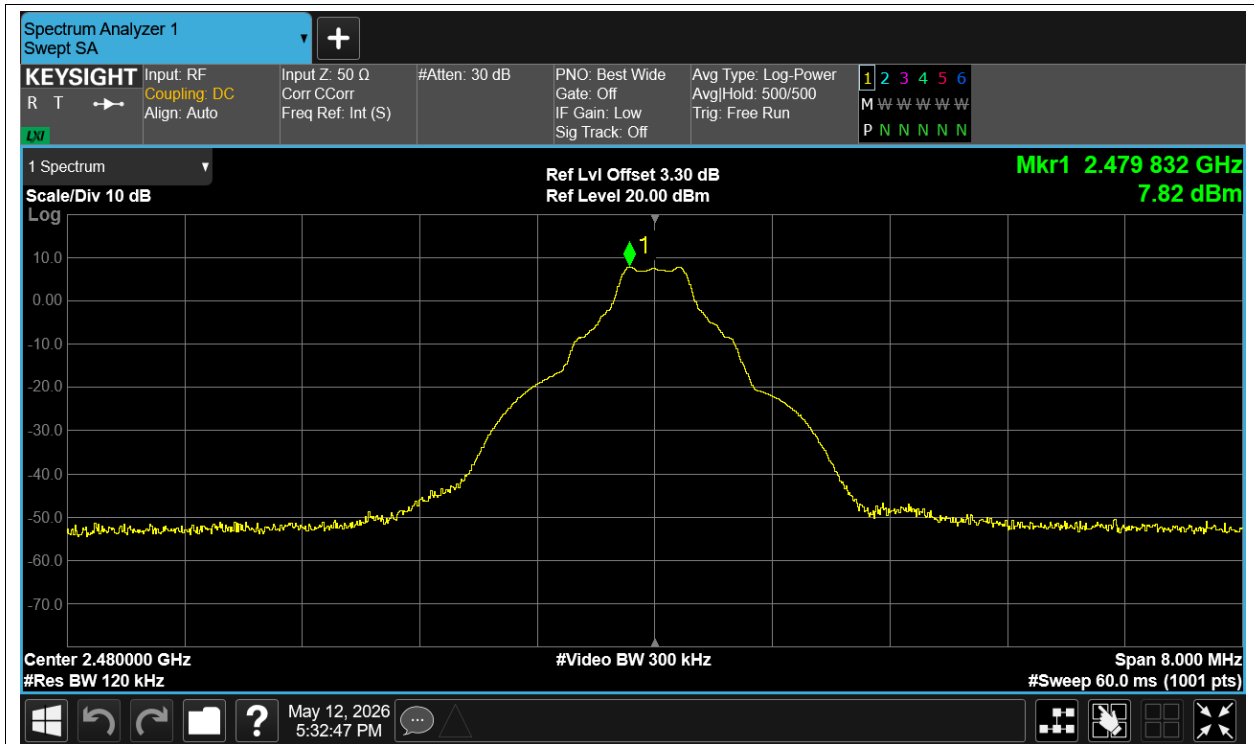
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



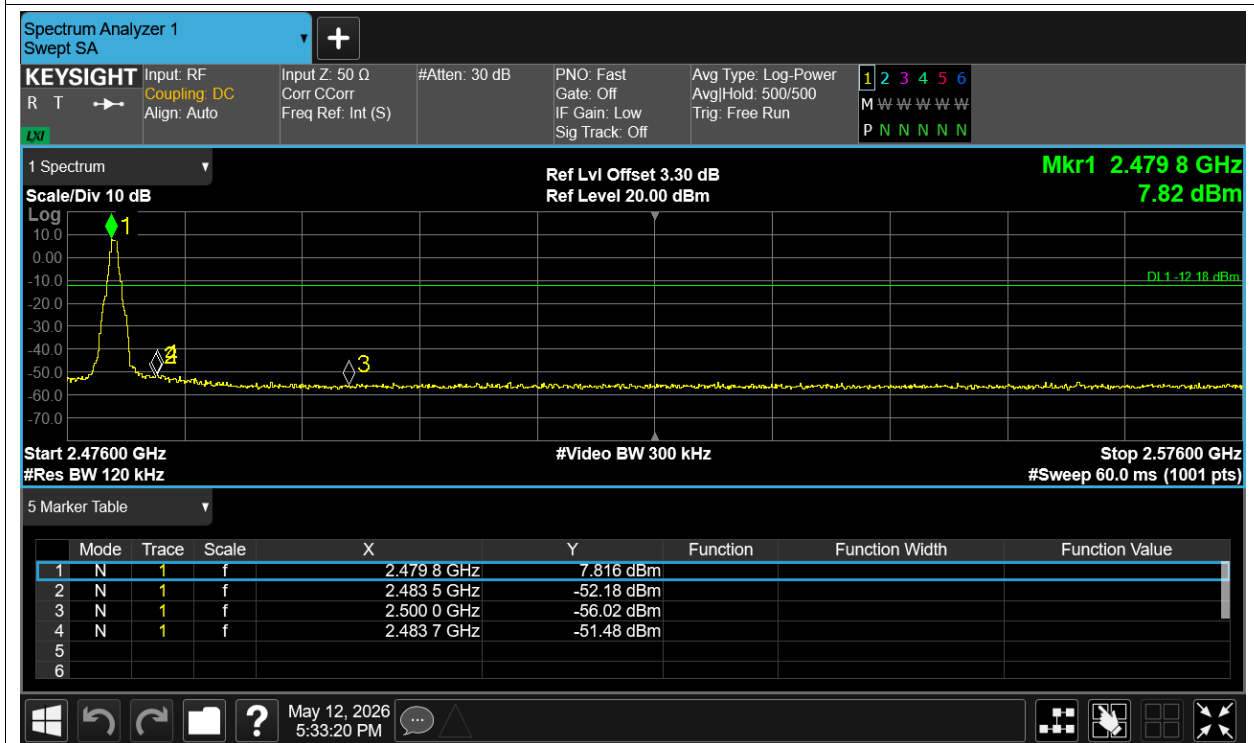
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



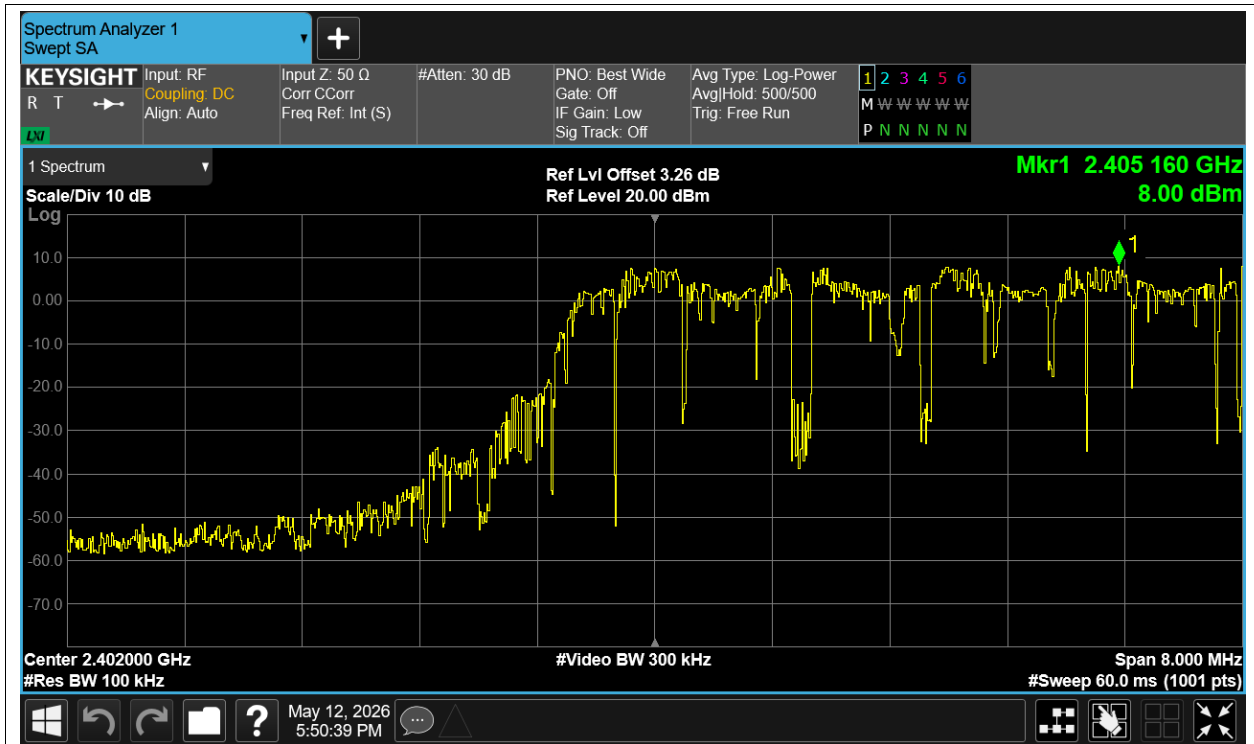
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



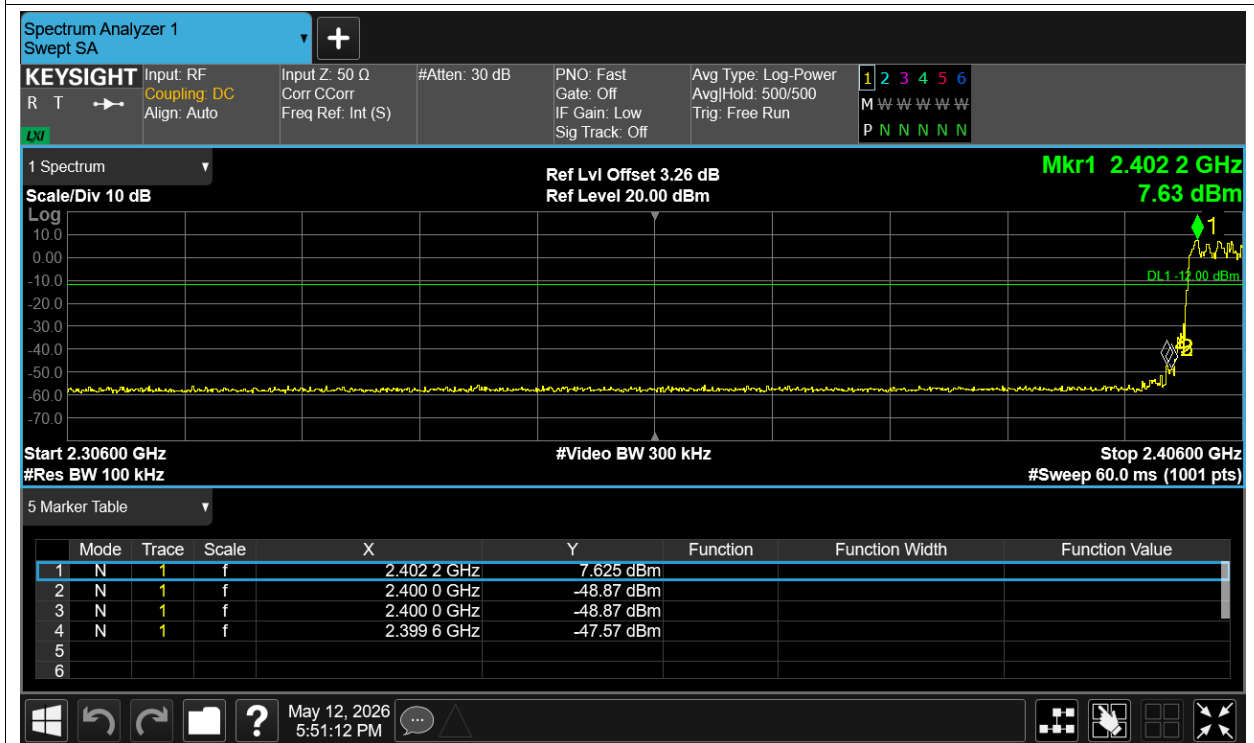
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



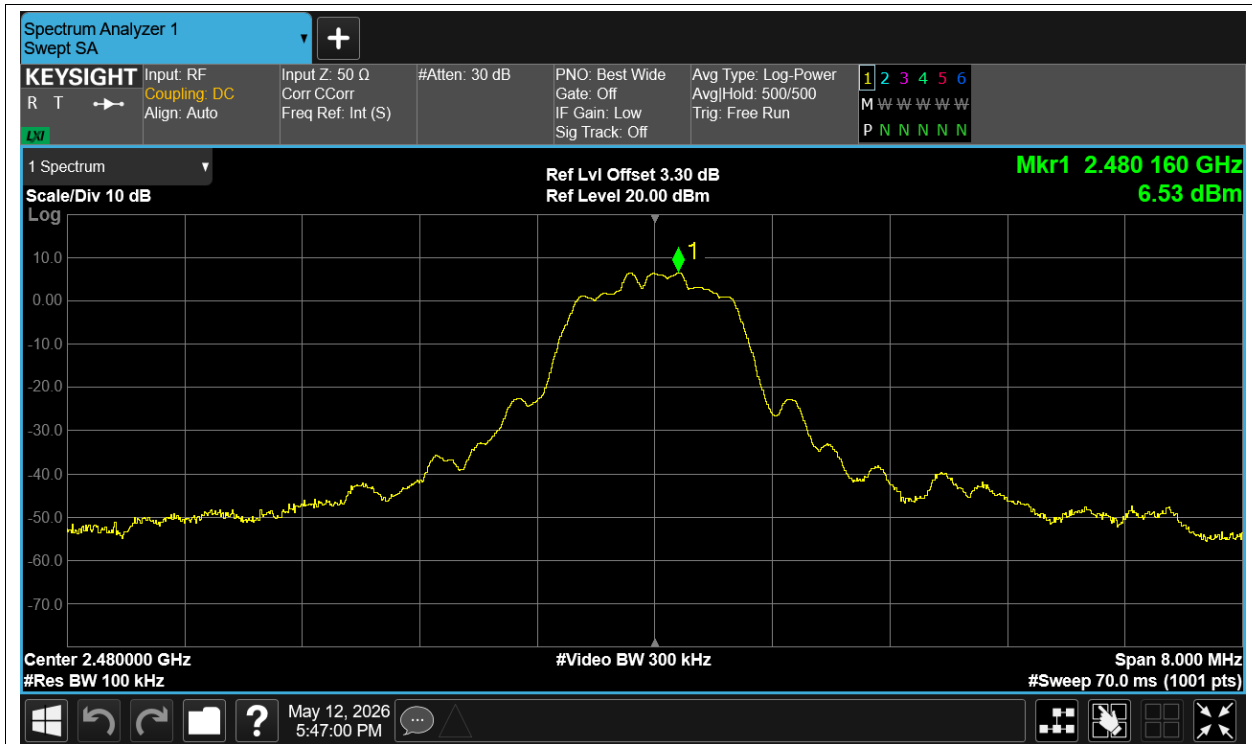
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



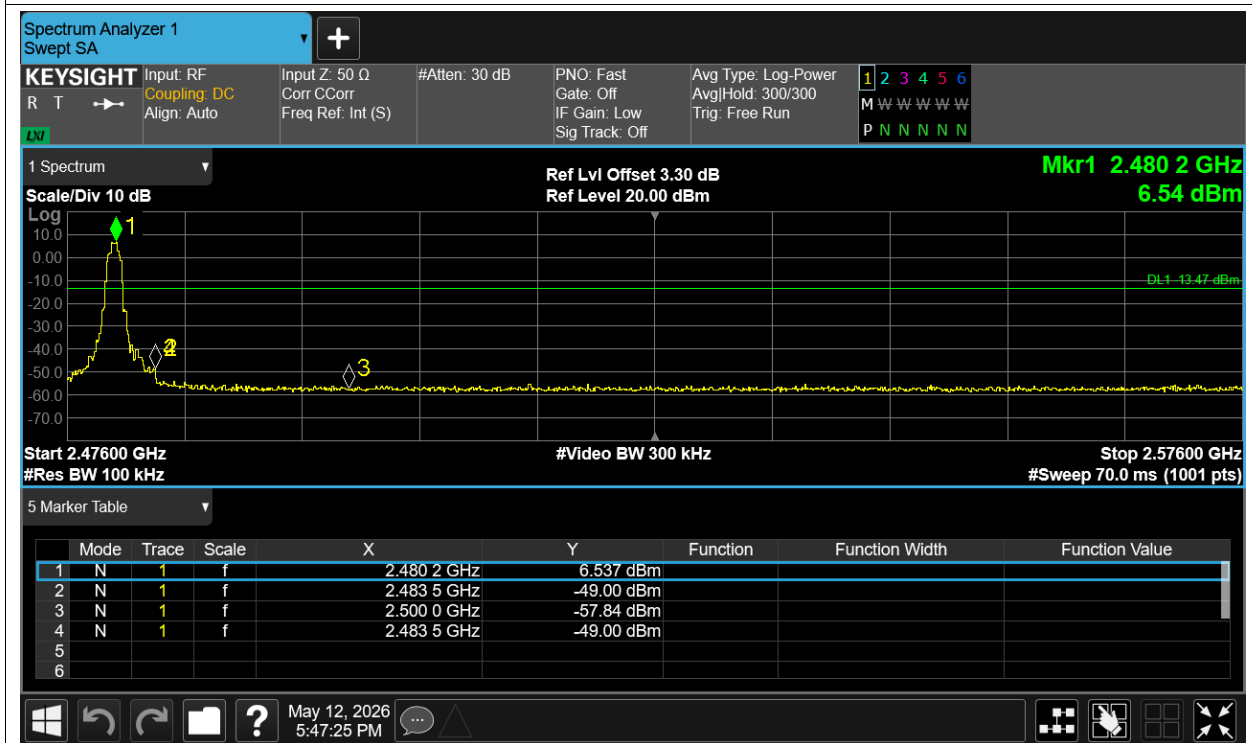
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



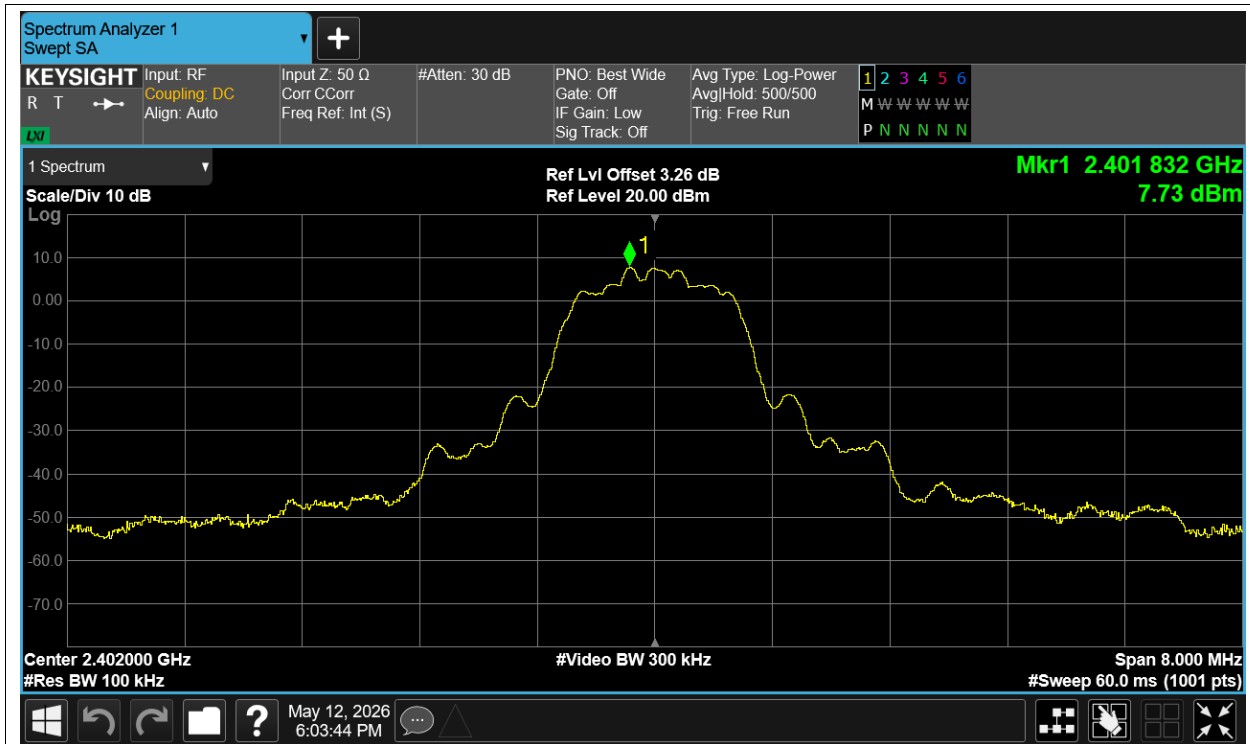
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



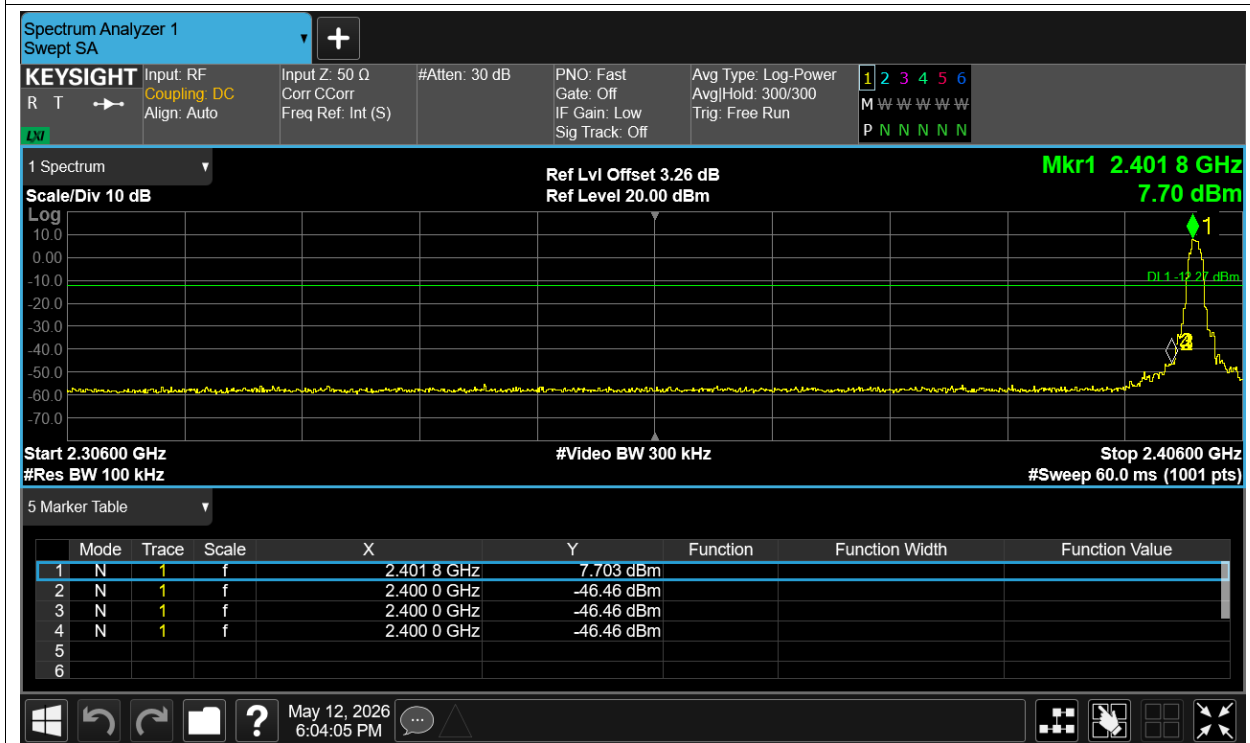
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



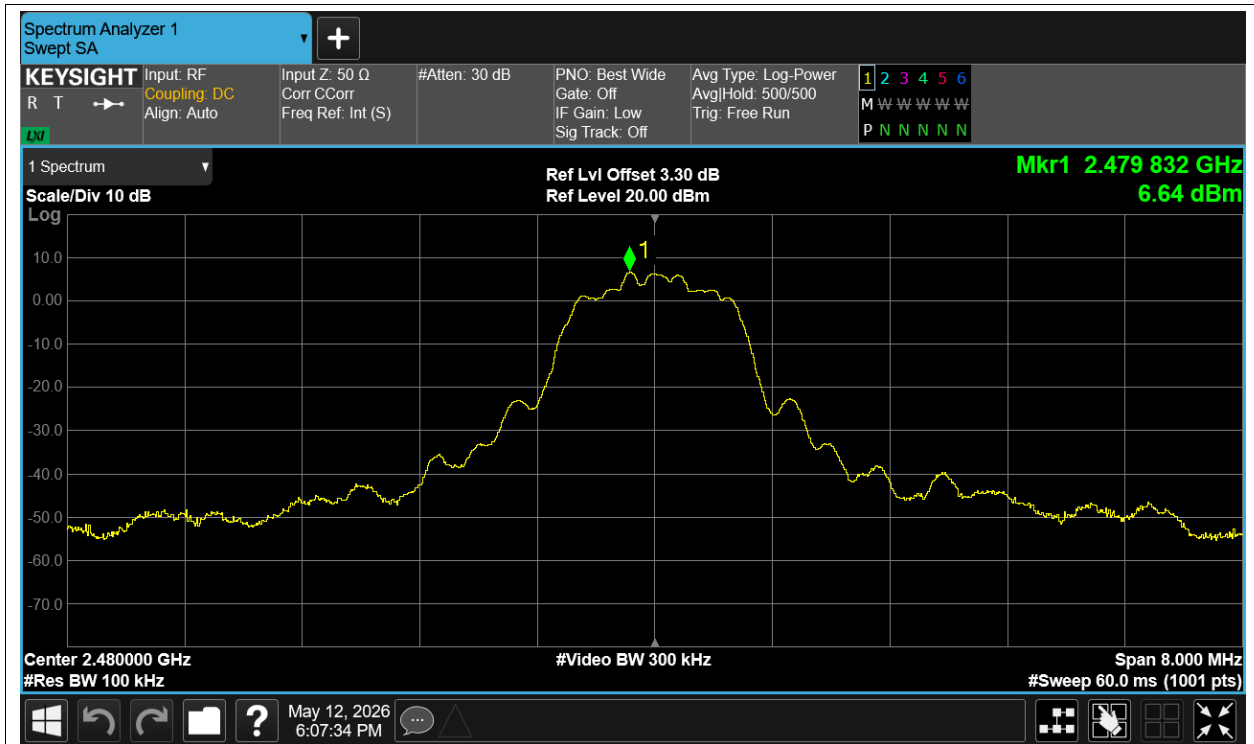
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



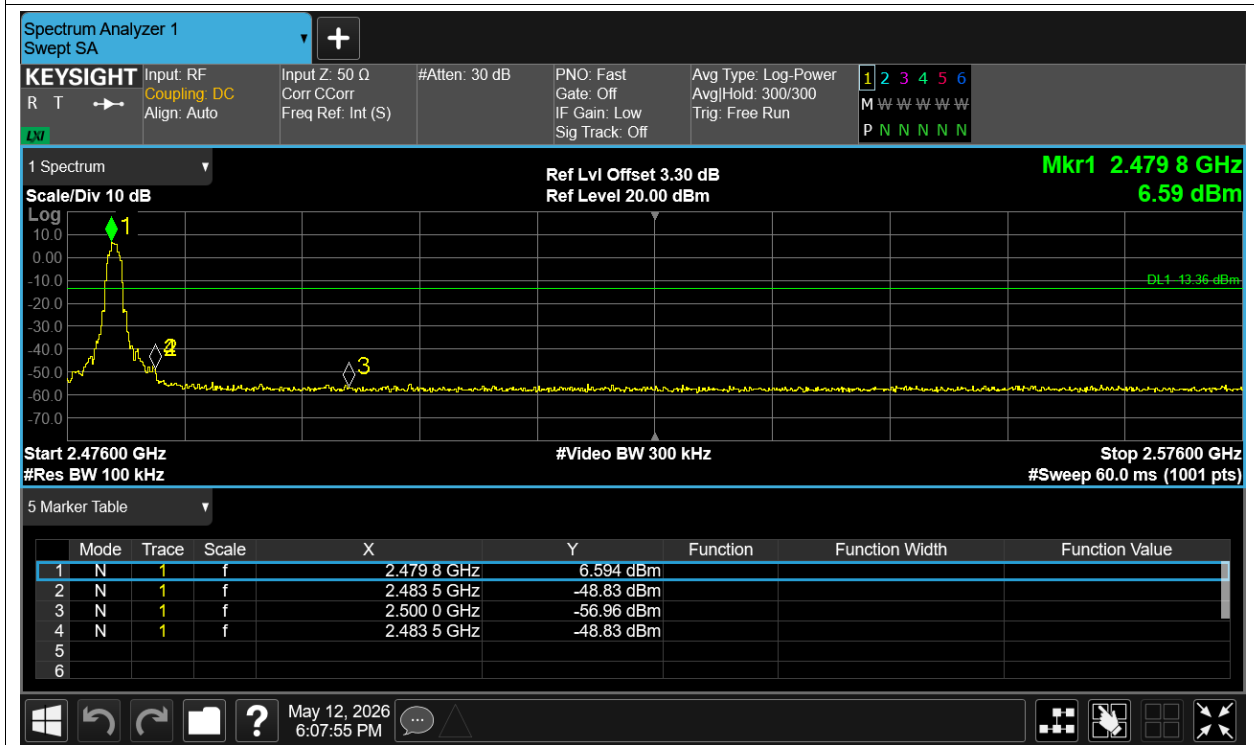
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

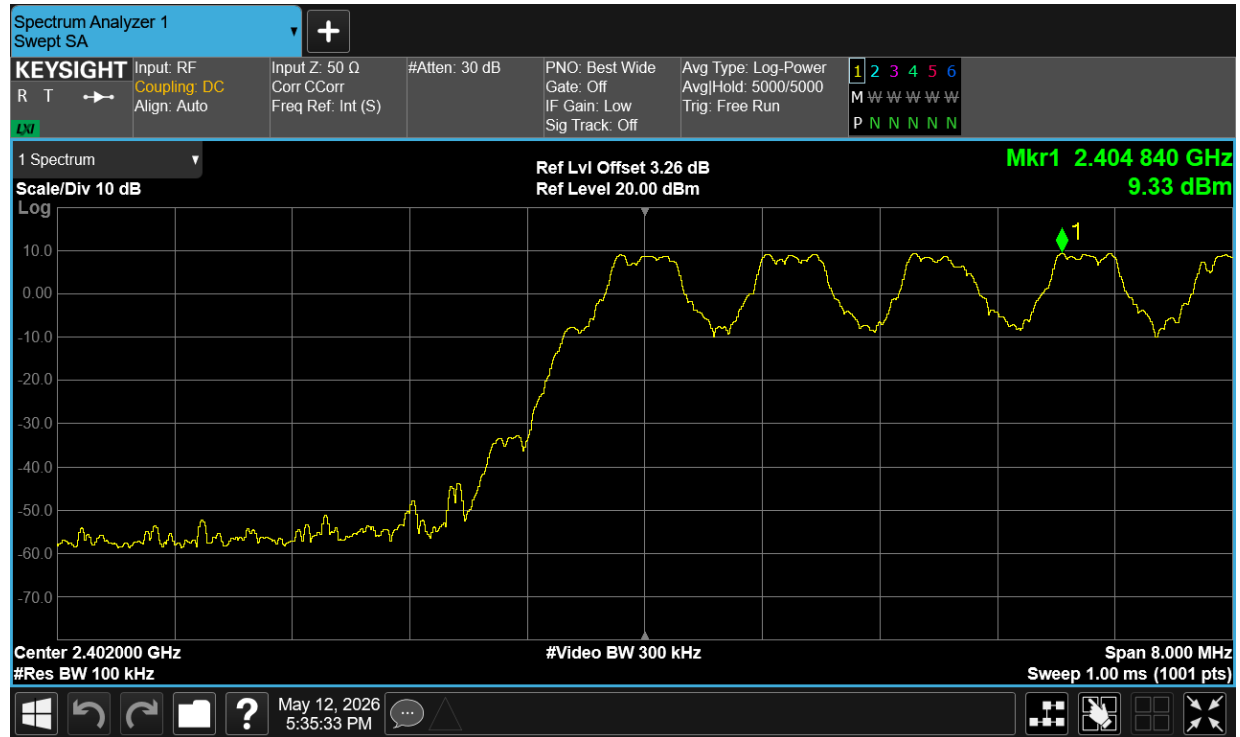


Band Edge(Hopping)

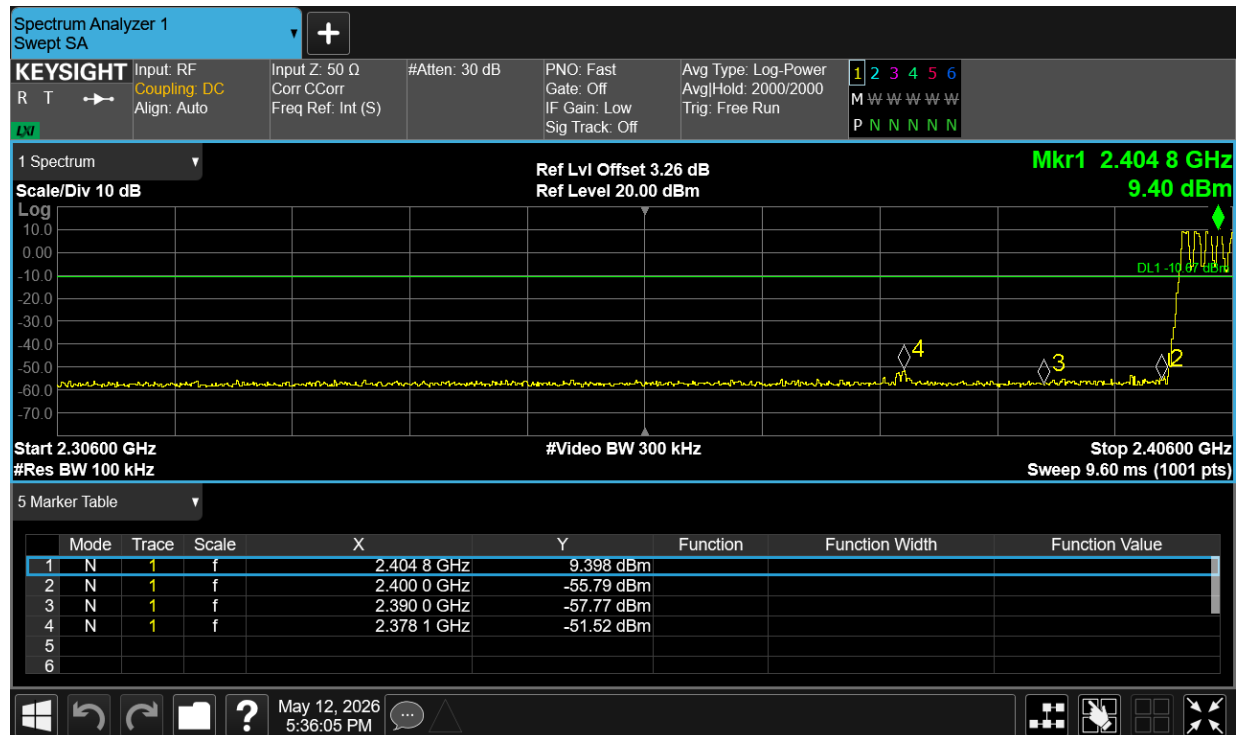
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-60.85	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-61.03	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-63.11	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-60.05	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-63.34	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-56.62	-20	Pass

Test Graphs

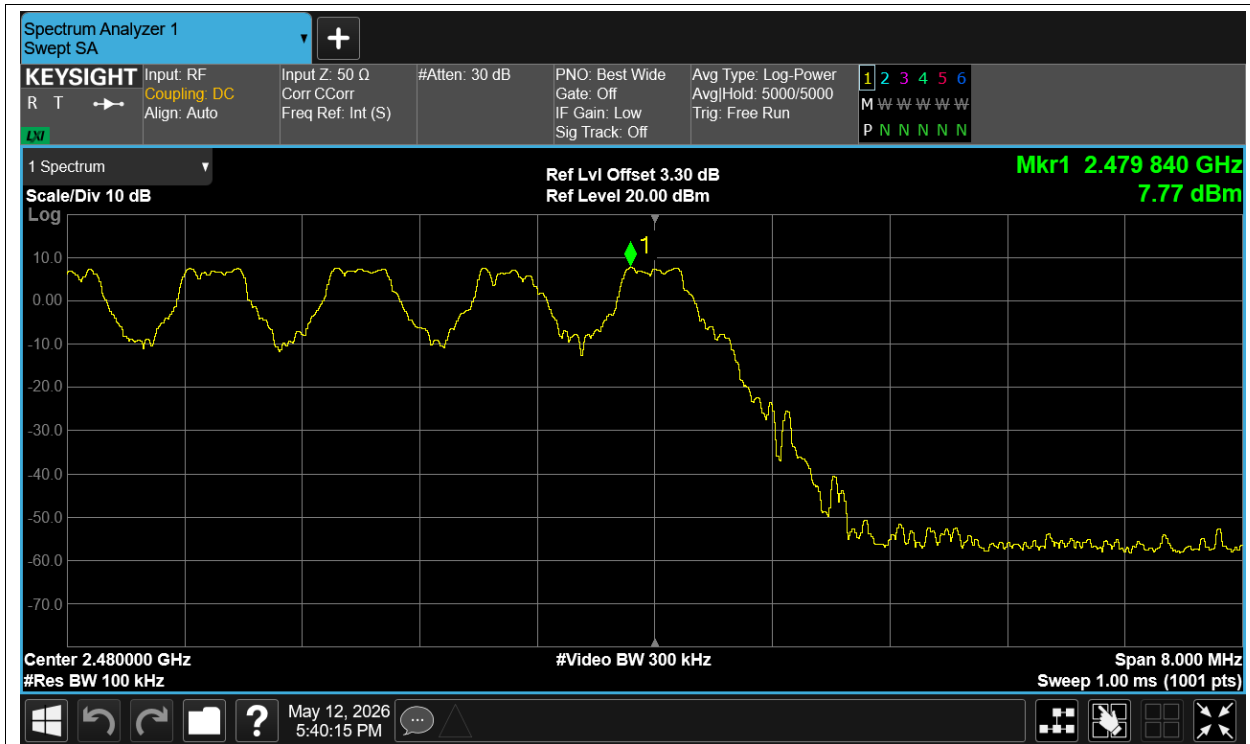
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



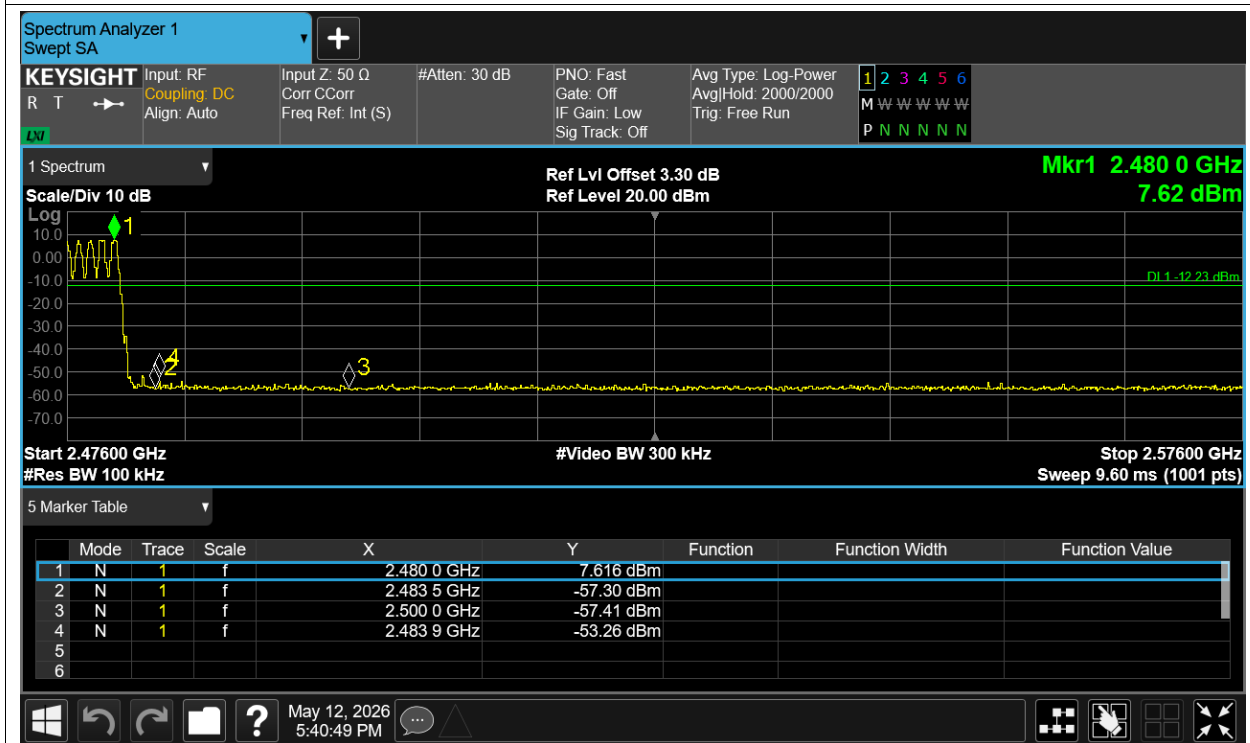
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



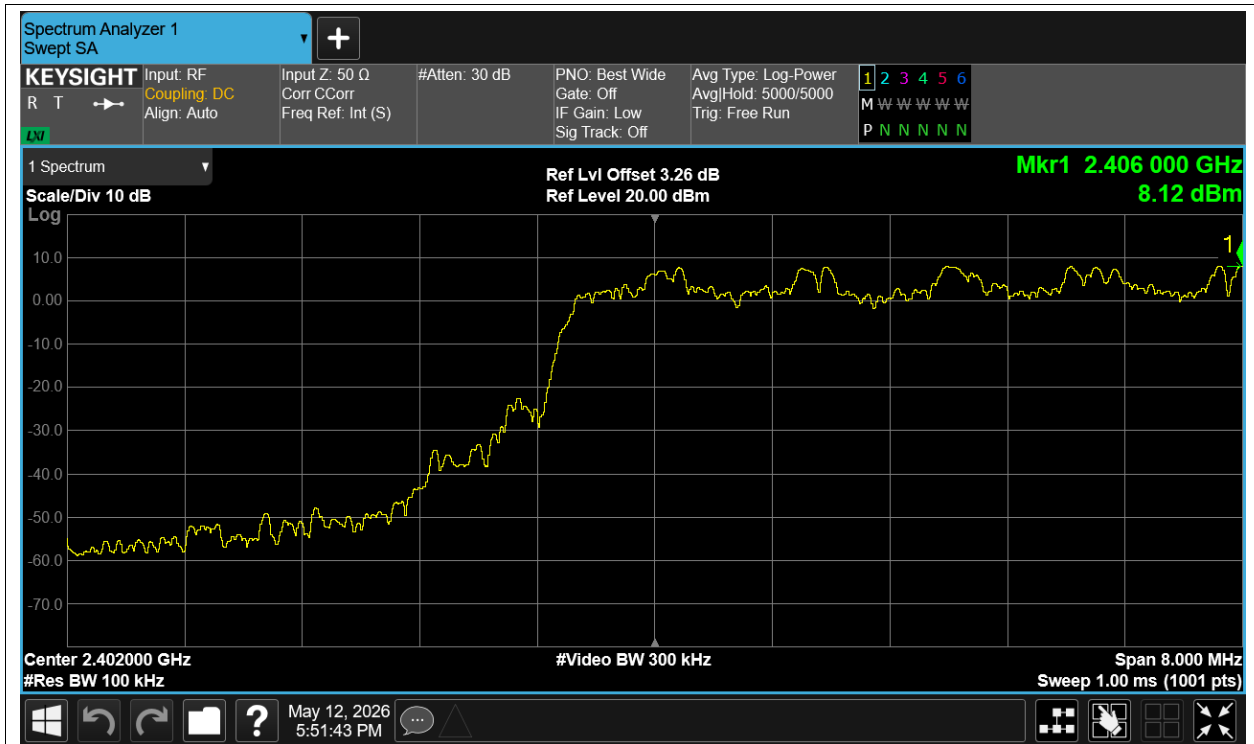
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



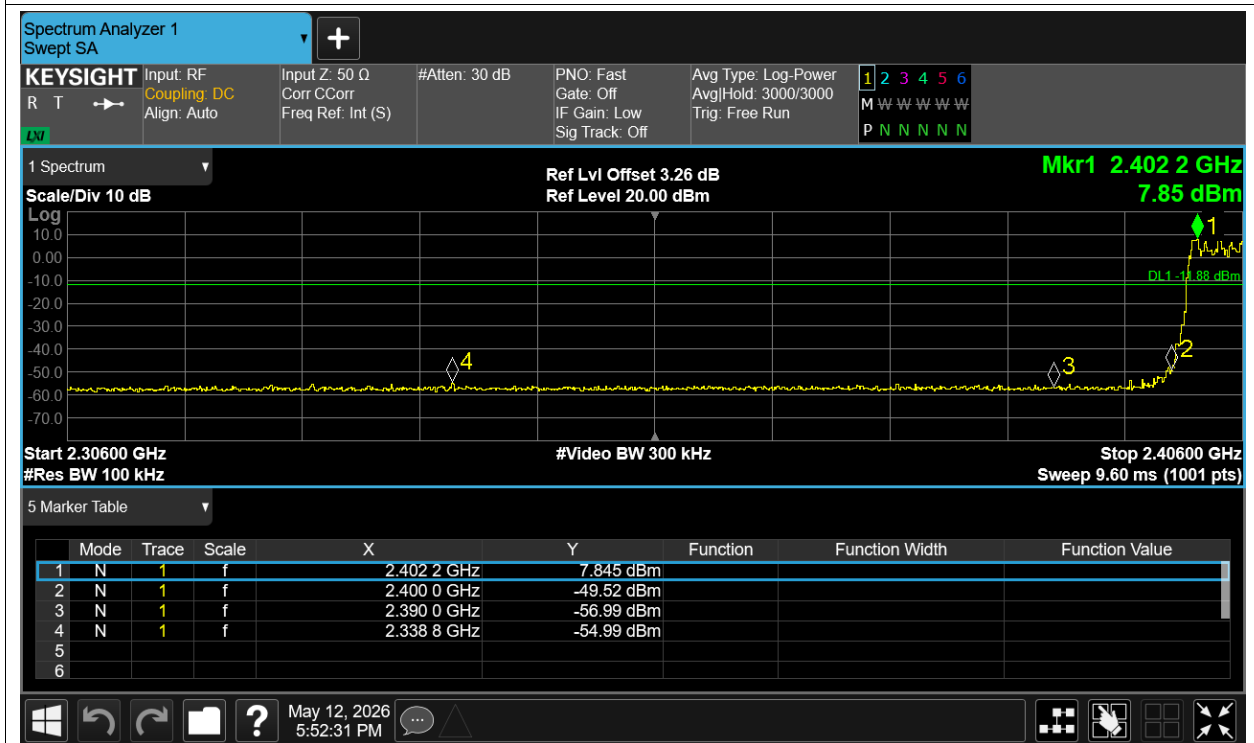
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



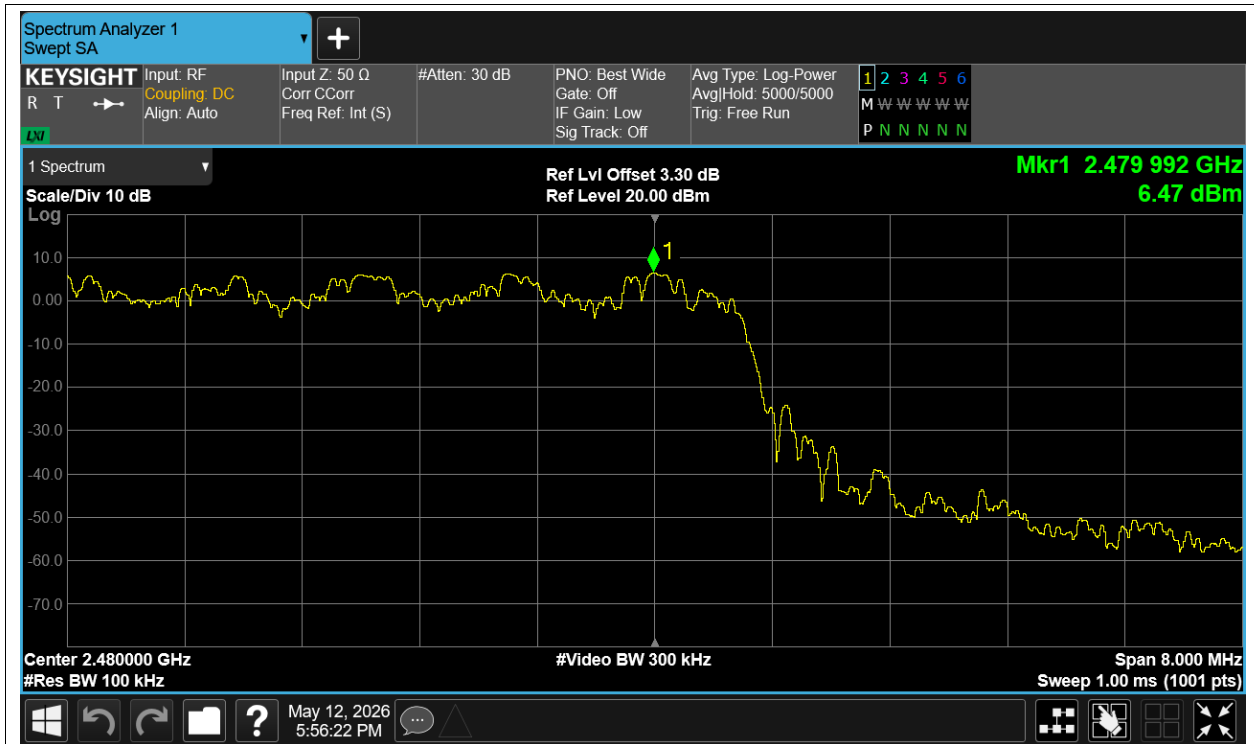
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



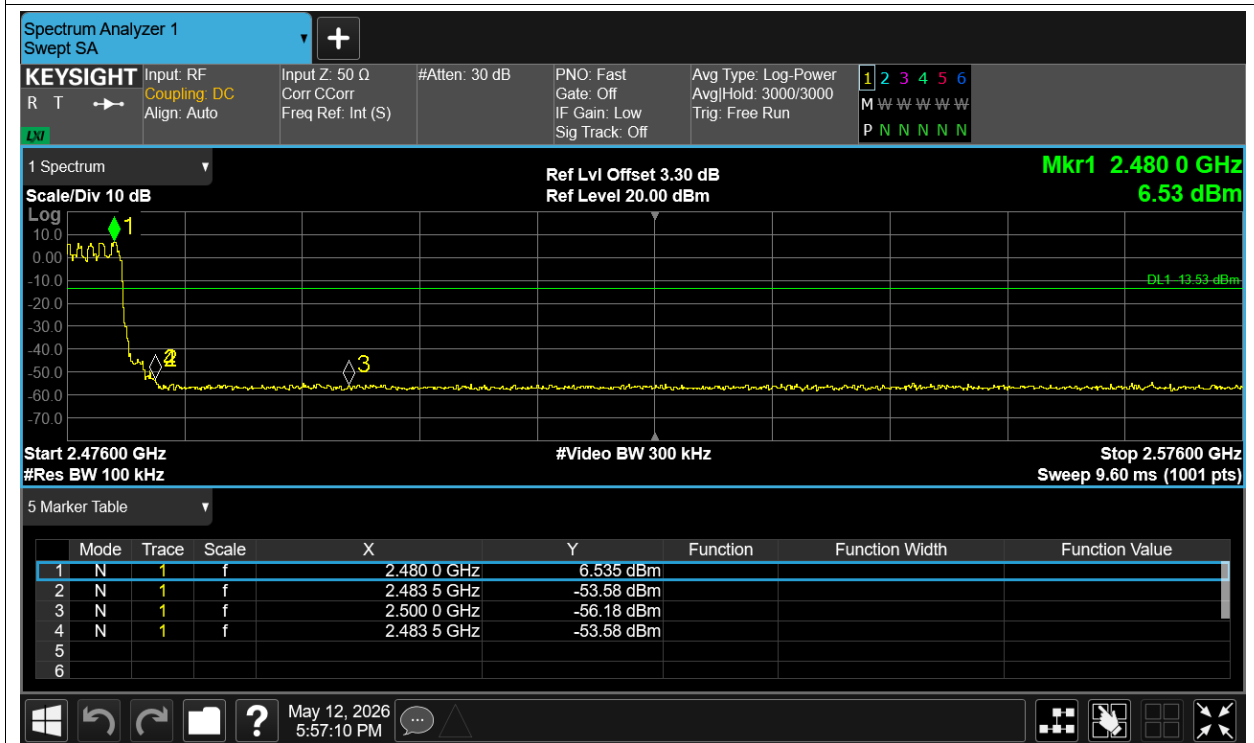
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



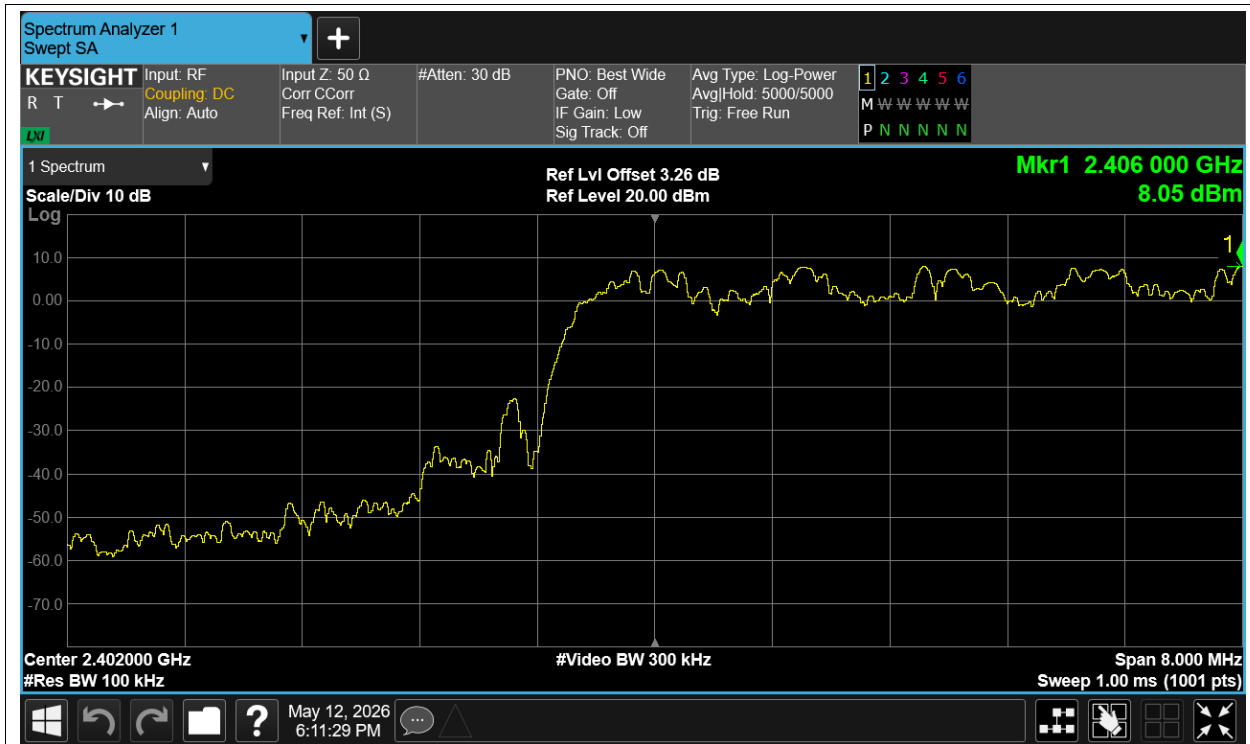
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



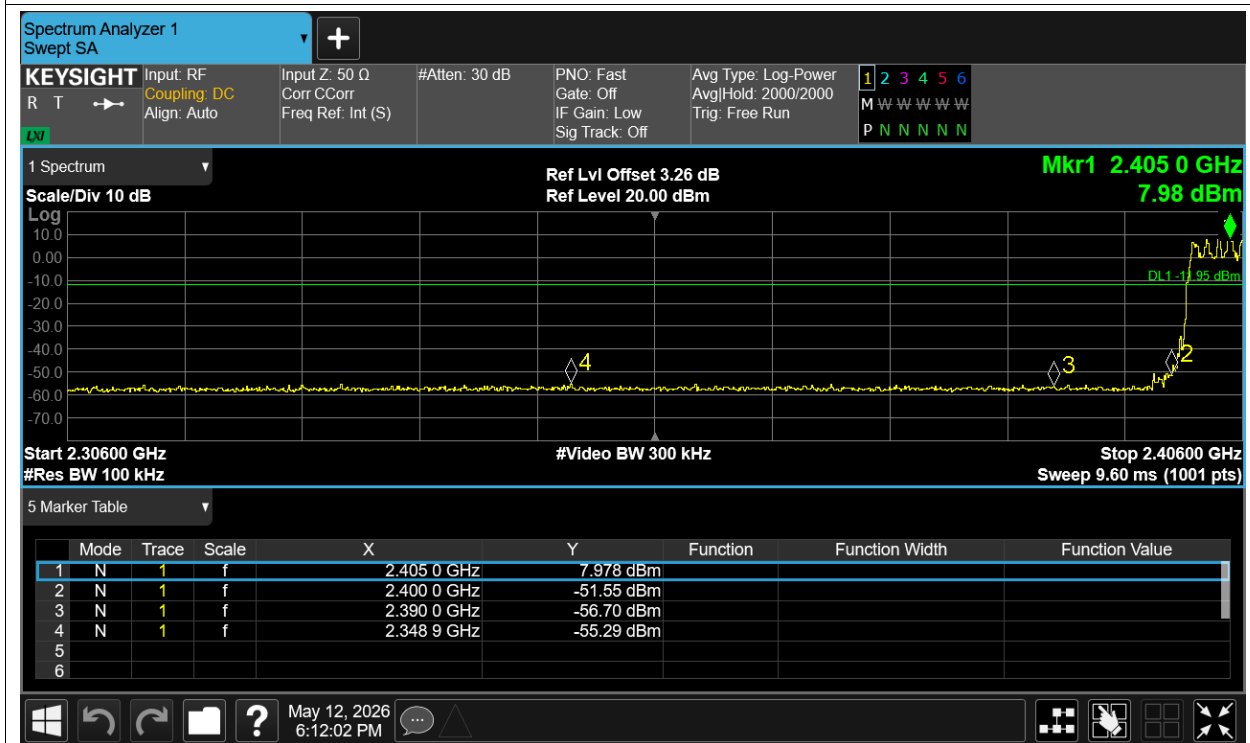
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



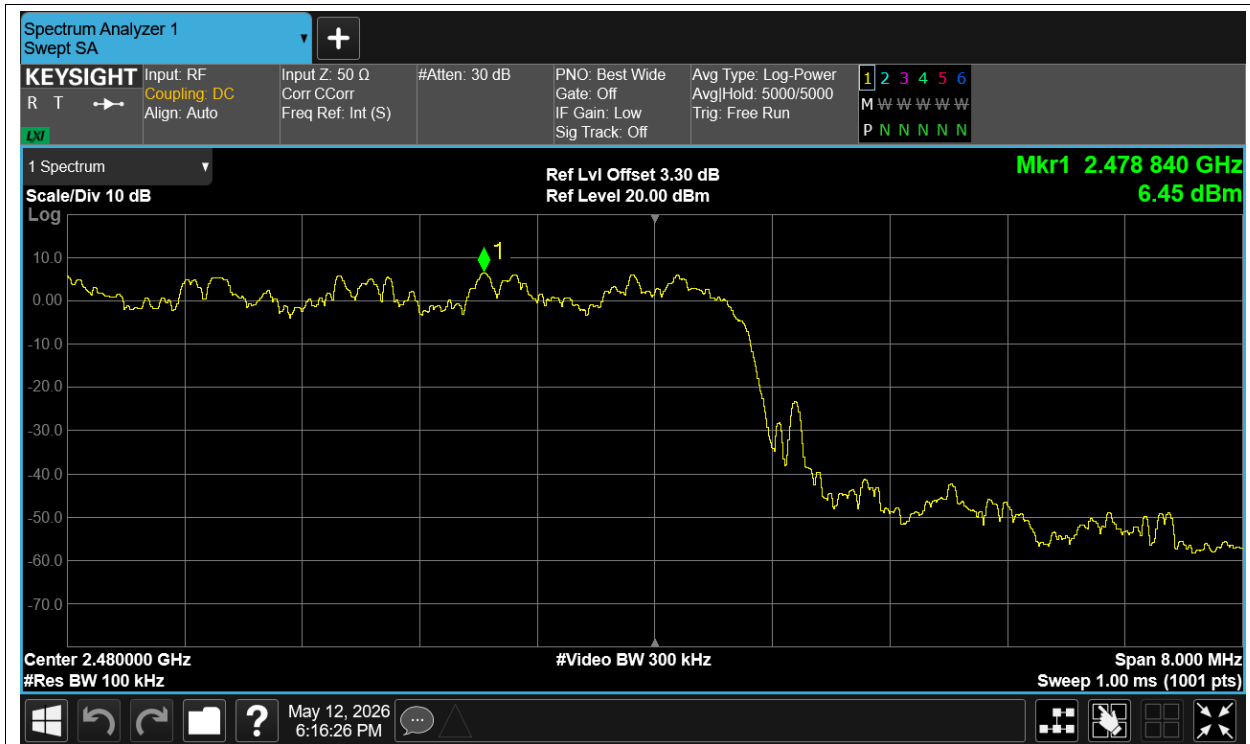
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



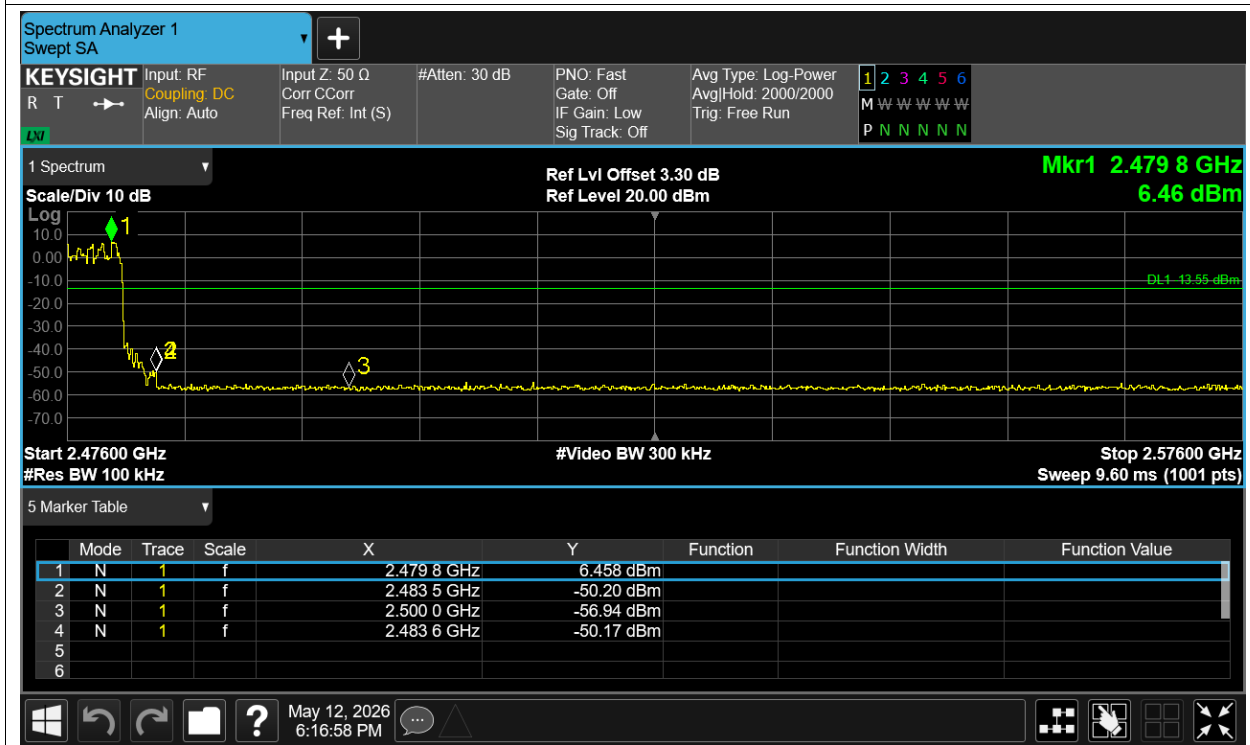
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

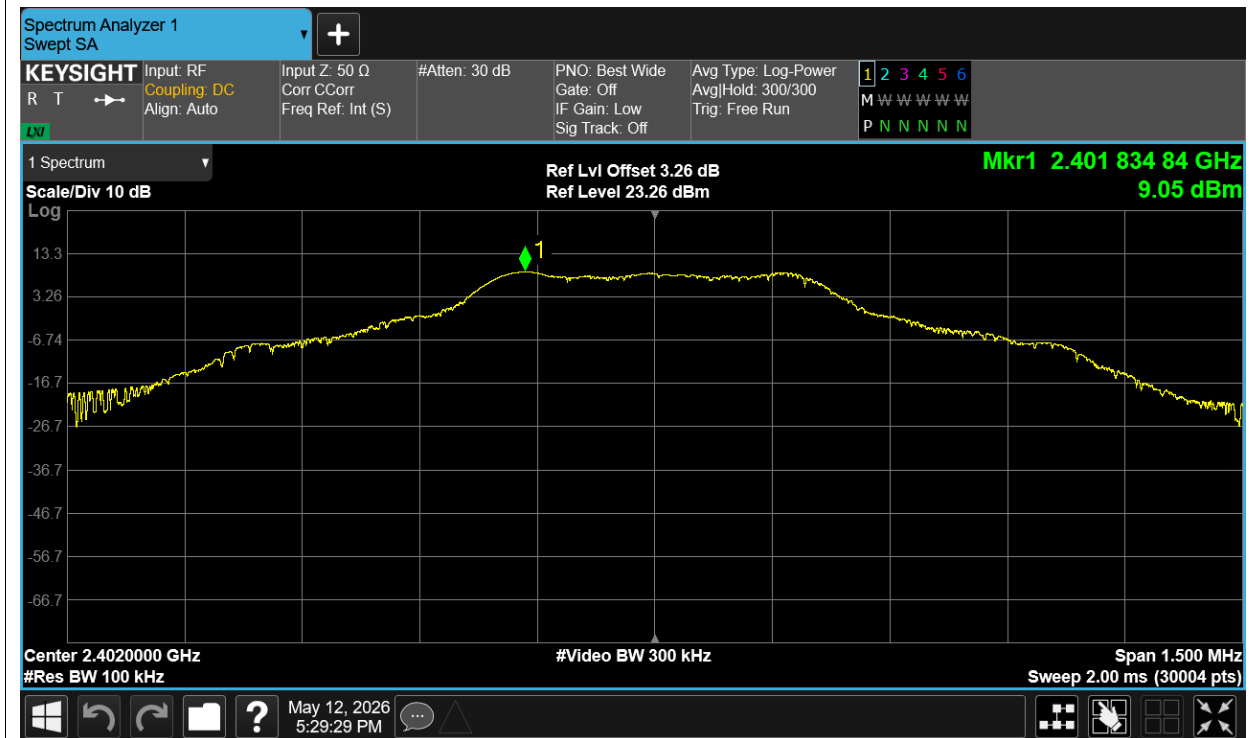


Conducted RF Spurious Emission

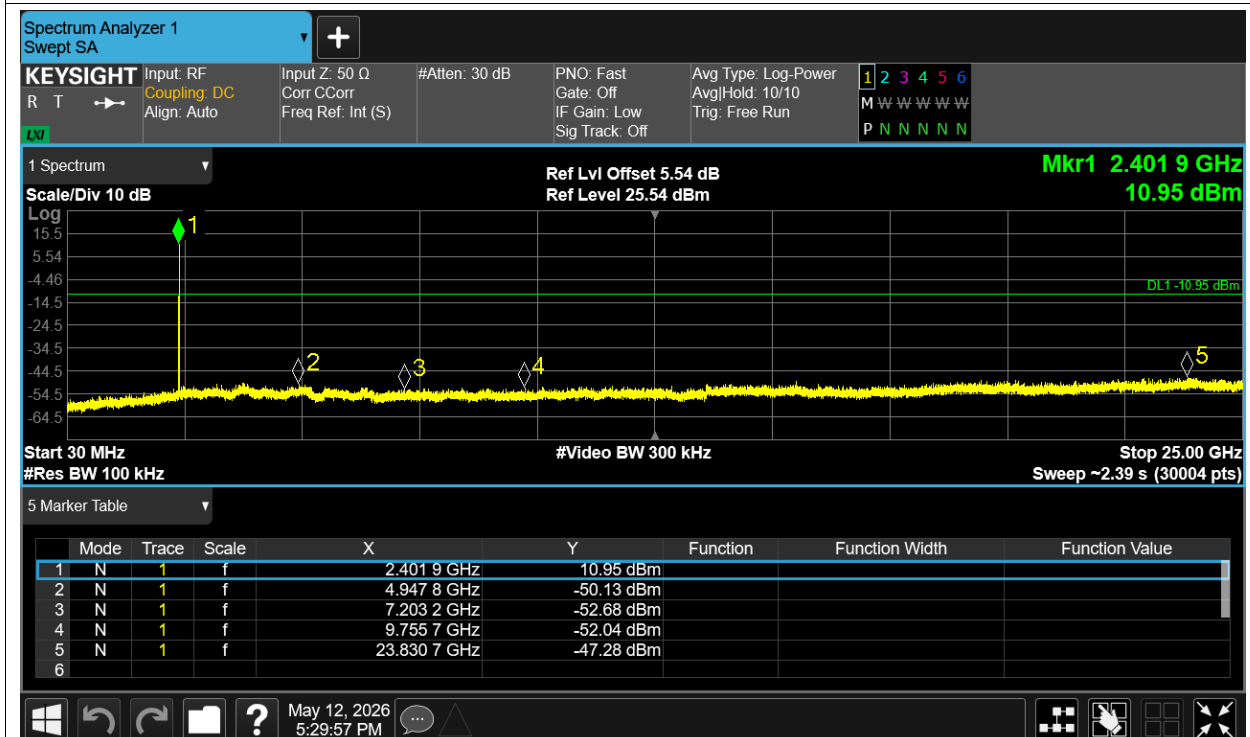
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-56.33	-20	Pass
NVNT	1-DH1	2441	Ant1	-55.07	-20	Pass
NVNT	1-DH1	2480	Ant1	-55.34	-20	Pass
NVNT	2-DH1	2402	Ant1	-54.52	-20	Pass
NVNT	2-DH1	2441	Ant1	-54.53	-20	Pass
NVNT	2-DH1	2480	Ant1	-53.34	-20	Pass
NVNT	3-DH1	2402	Ant1	-54.51	-20	Pass
NVNT	3-DH1	2441	Ant1	-54.47	-20	Pass
NVNT	3-DH1	2480	Ant1	-53.07	-20	Pass

Test Graphs

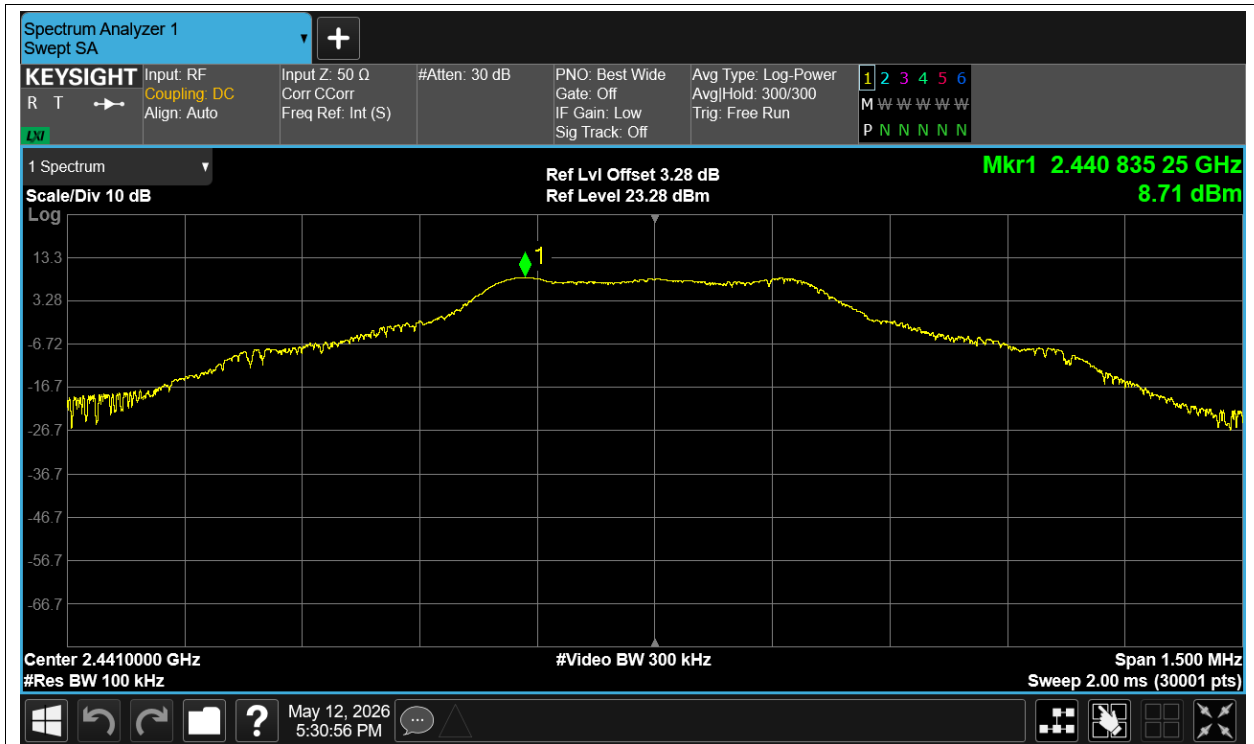
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



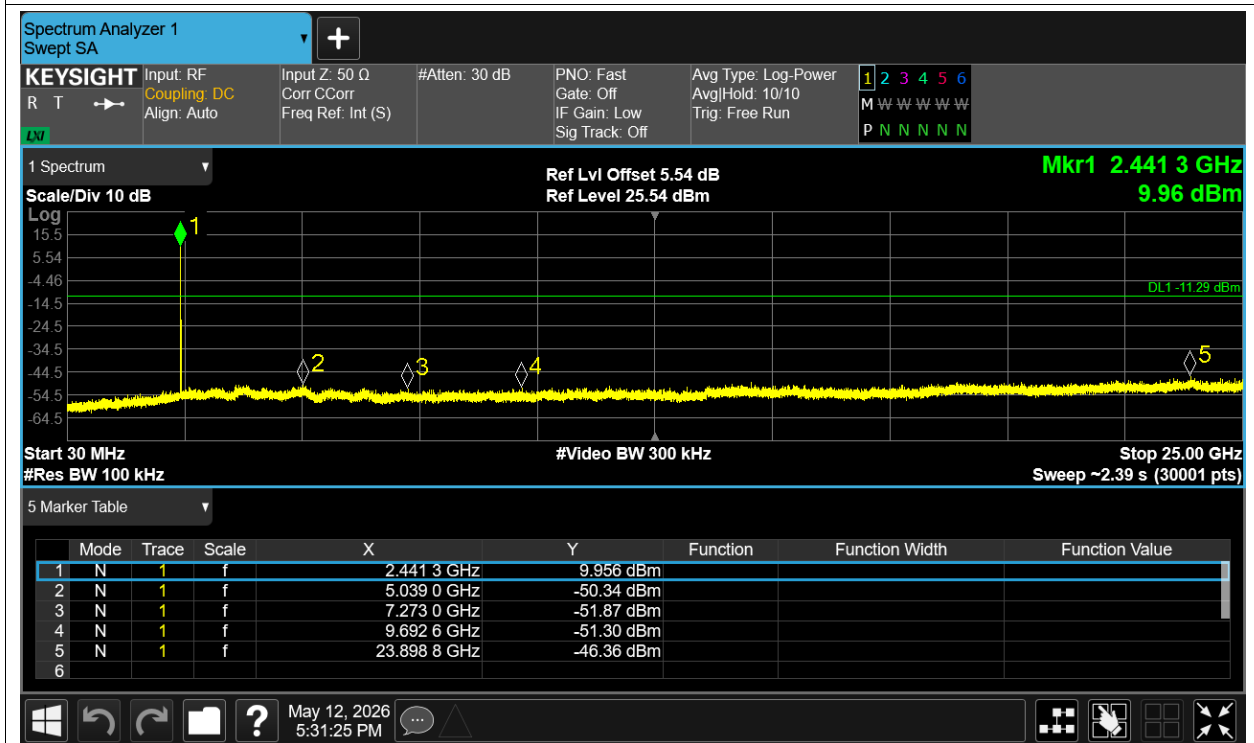
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



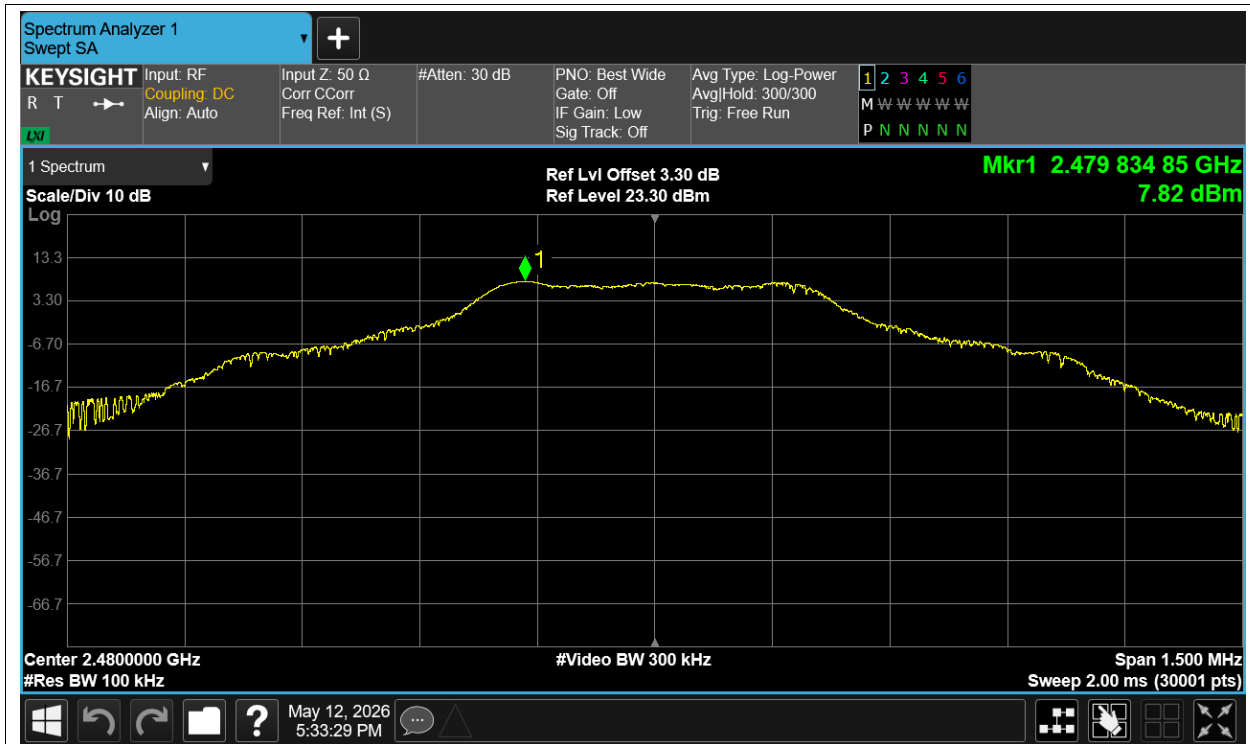
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



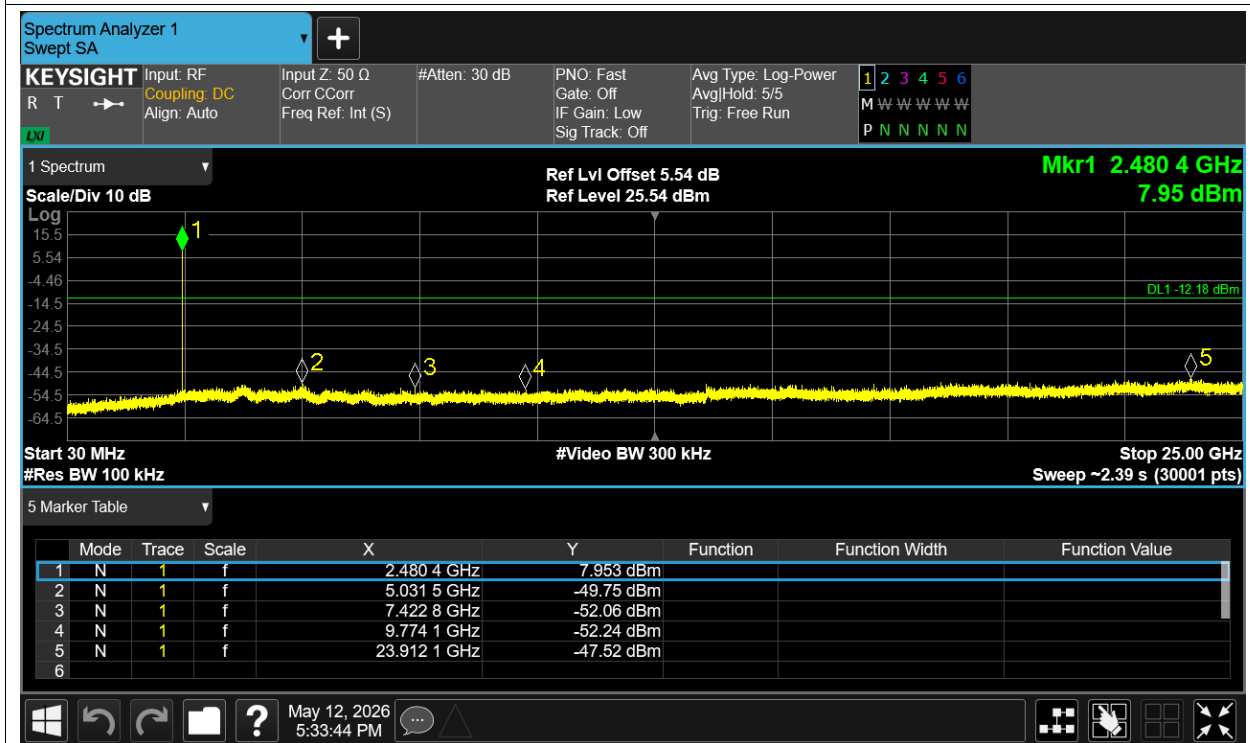
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



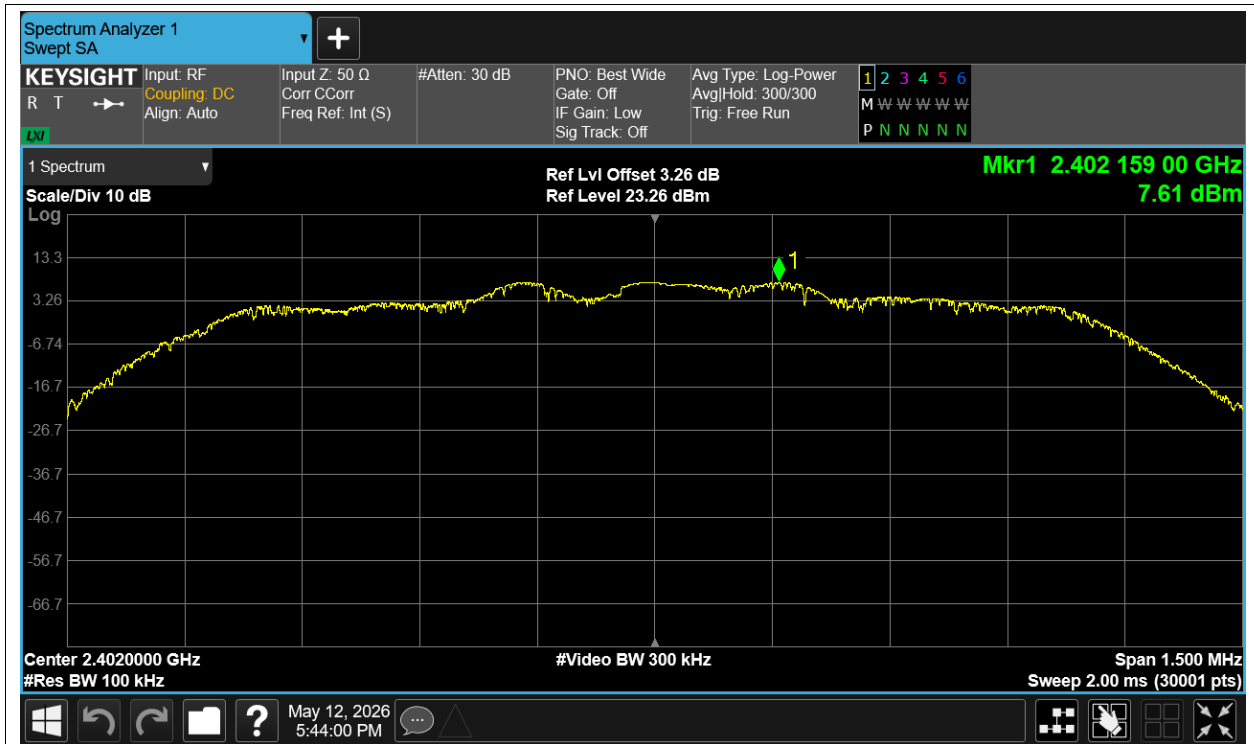
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



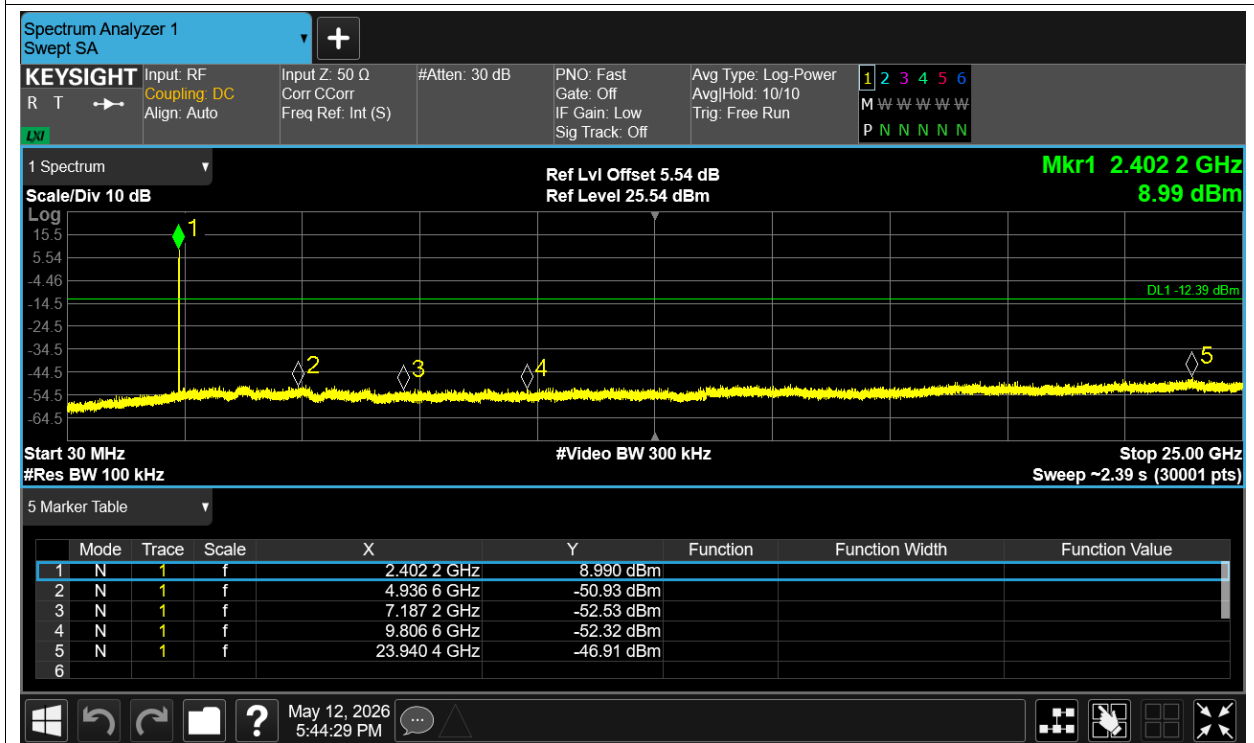
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



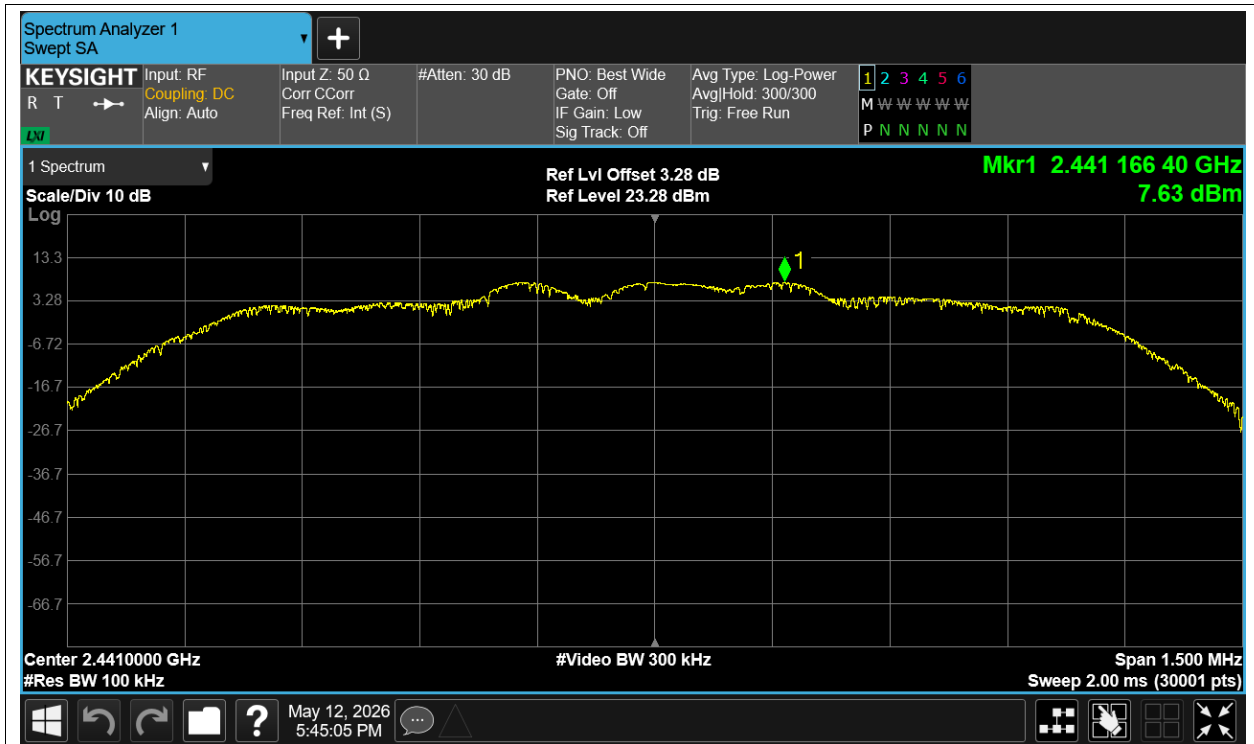
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



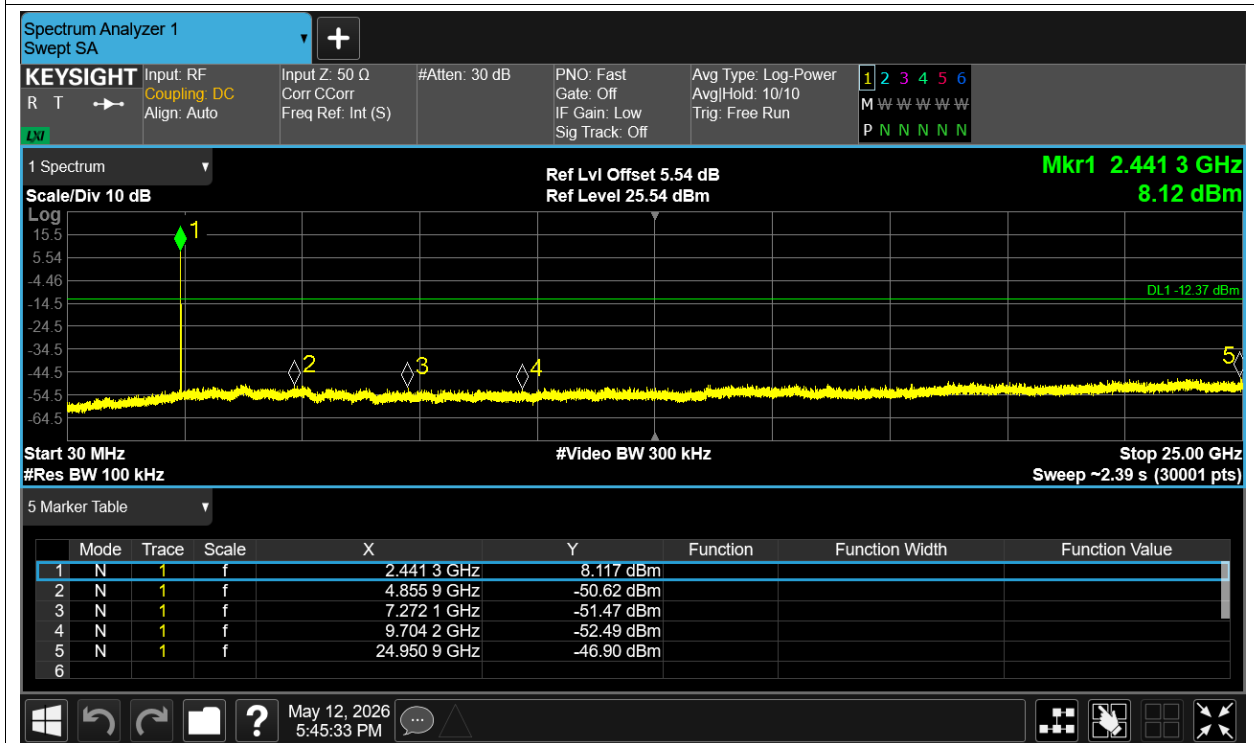
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



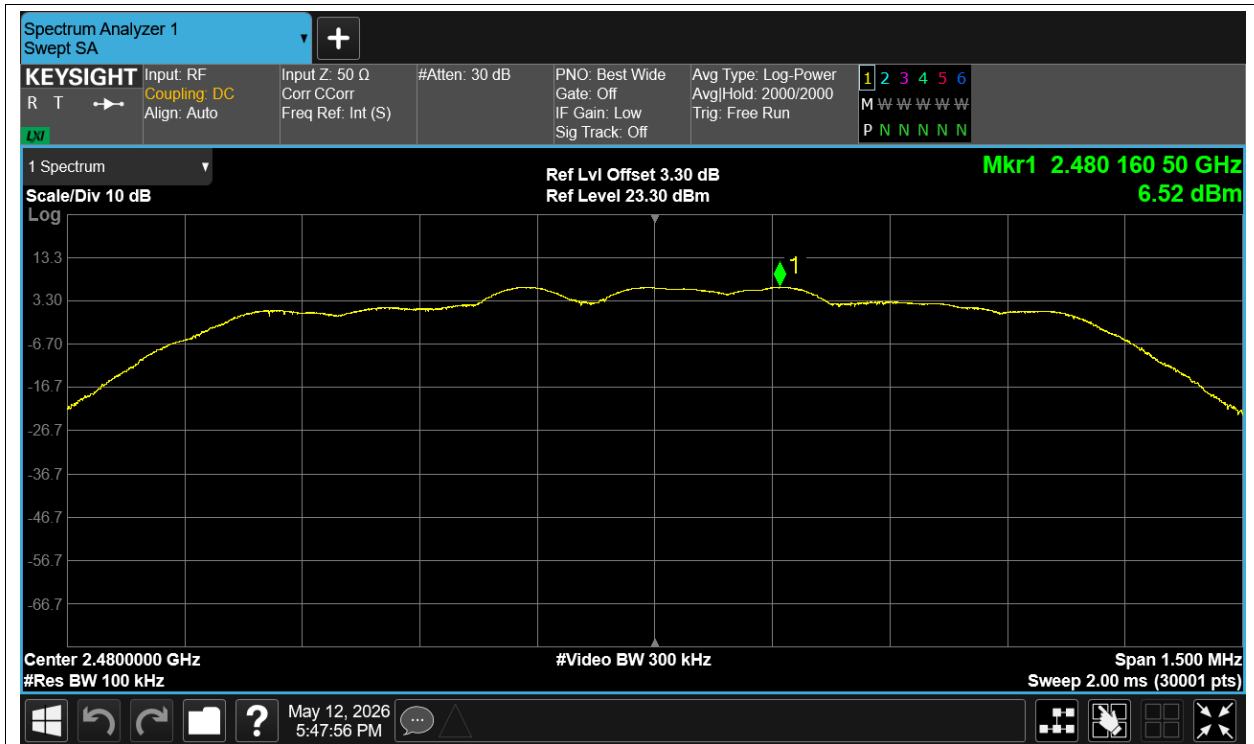
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



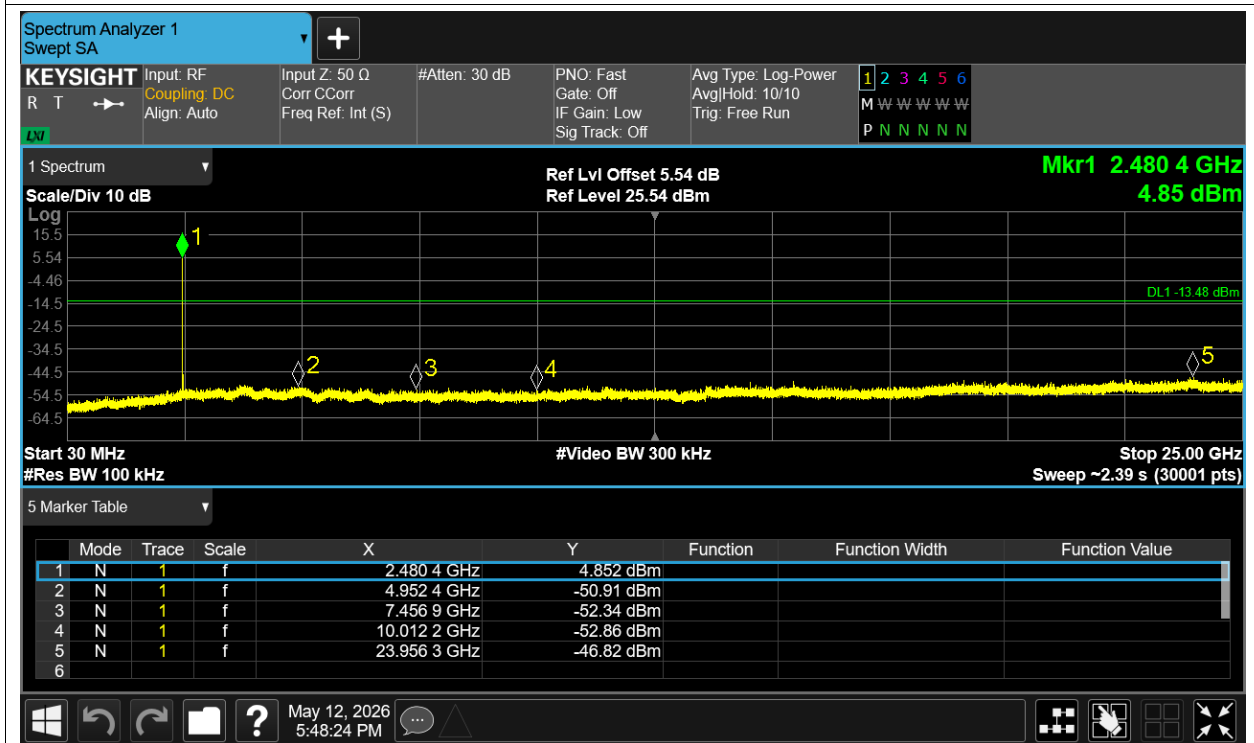
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



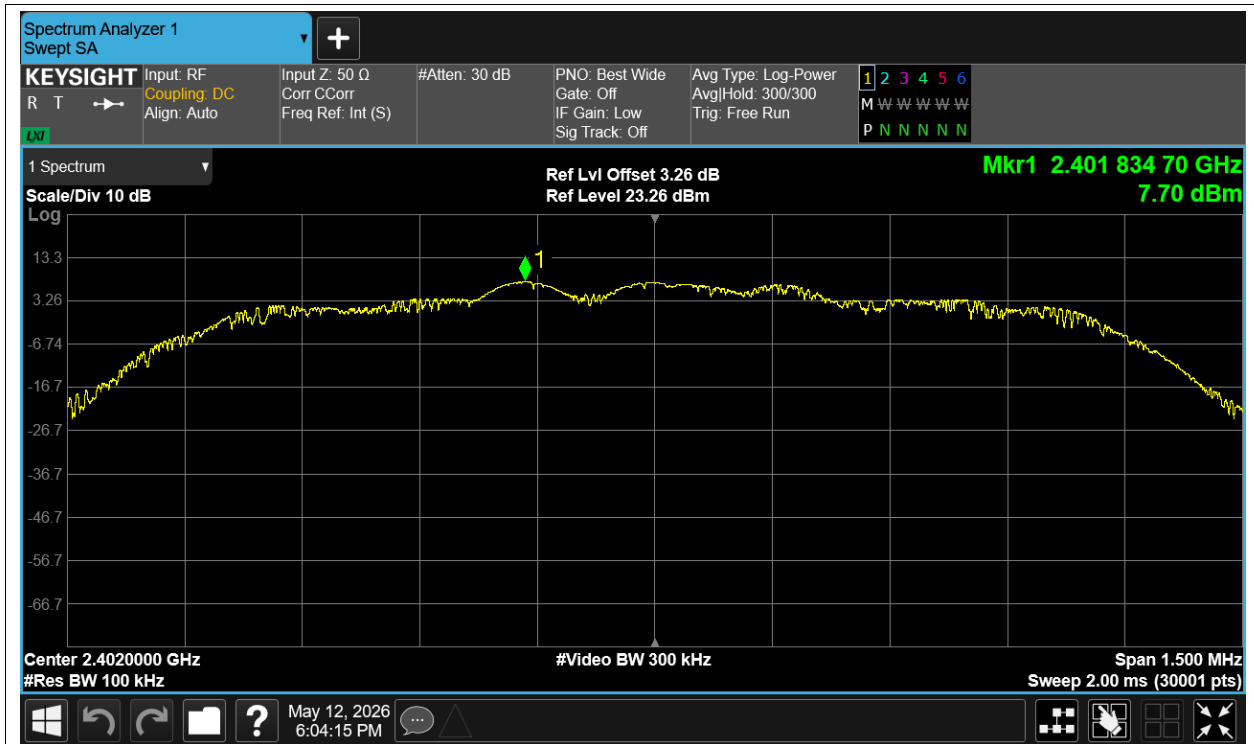
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



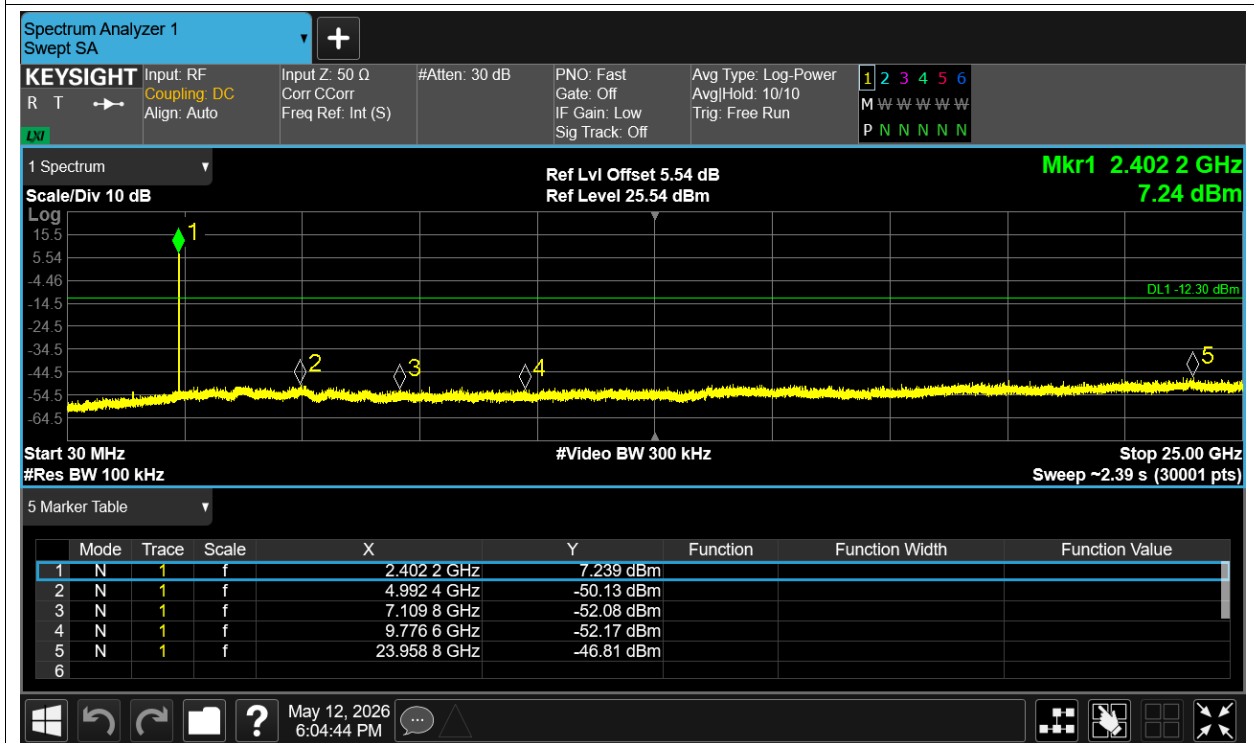
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



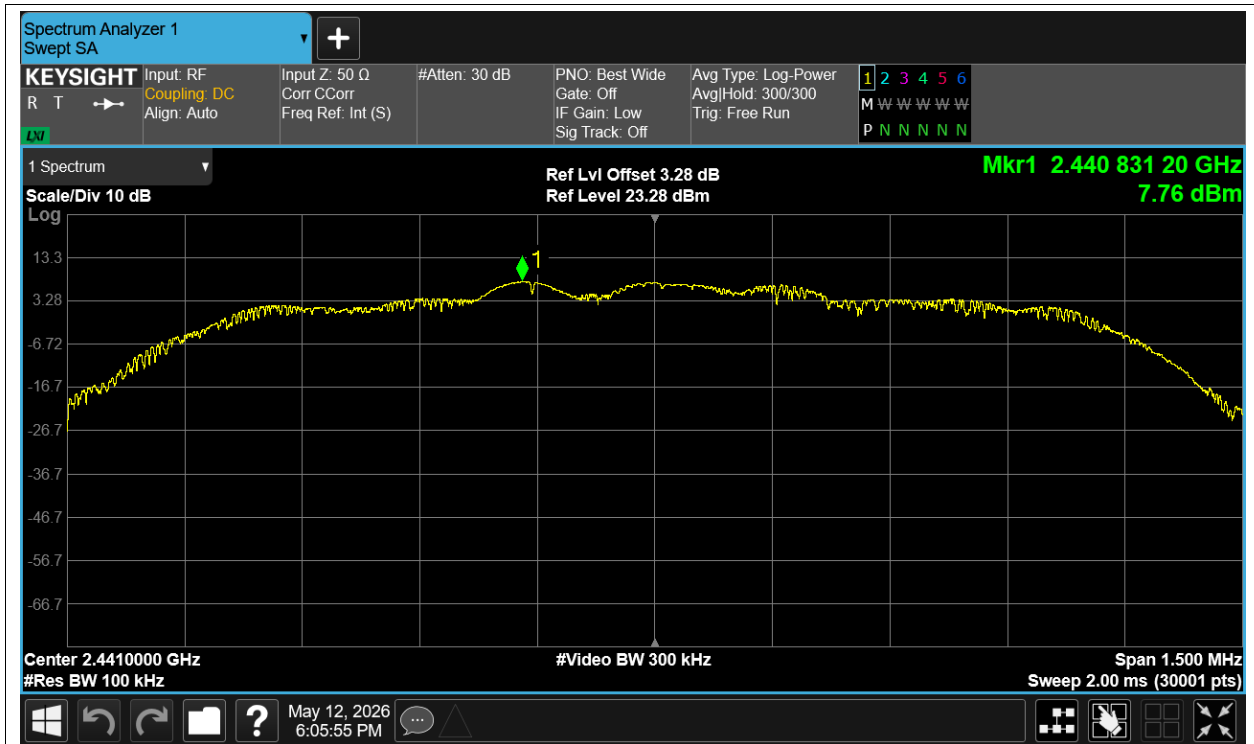
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



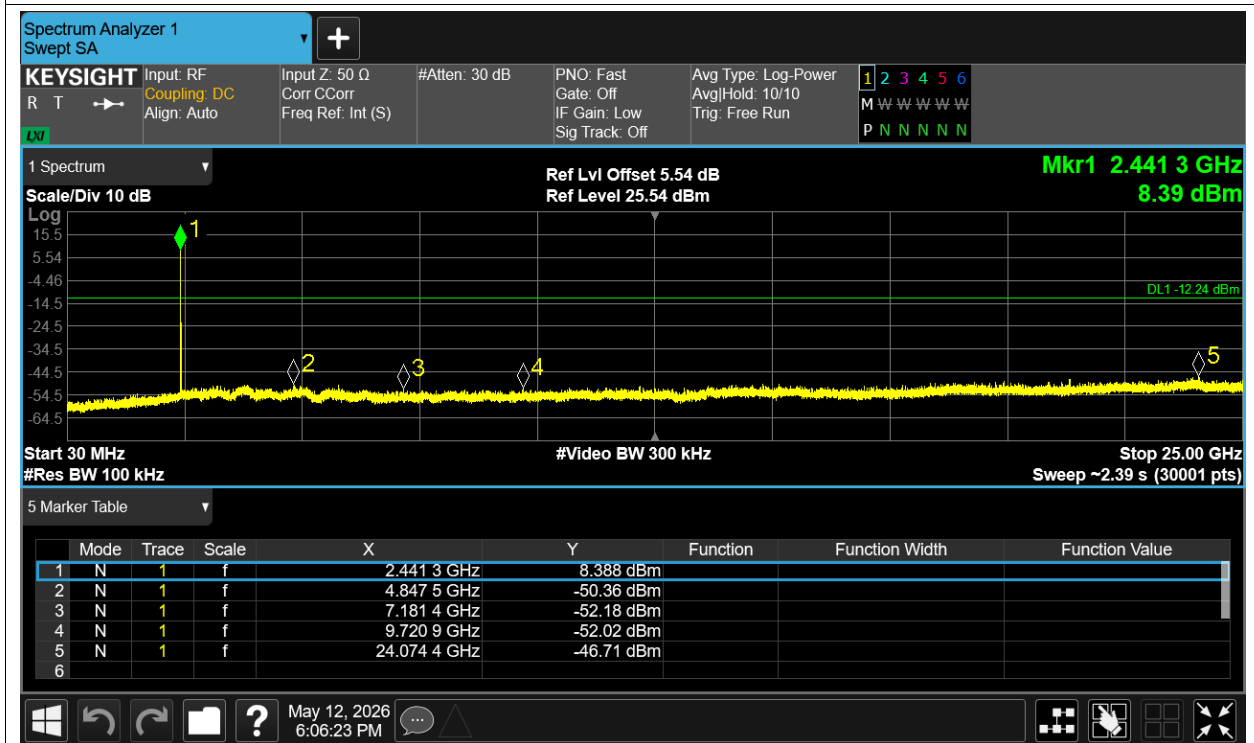
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



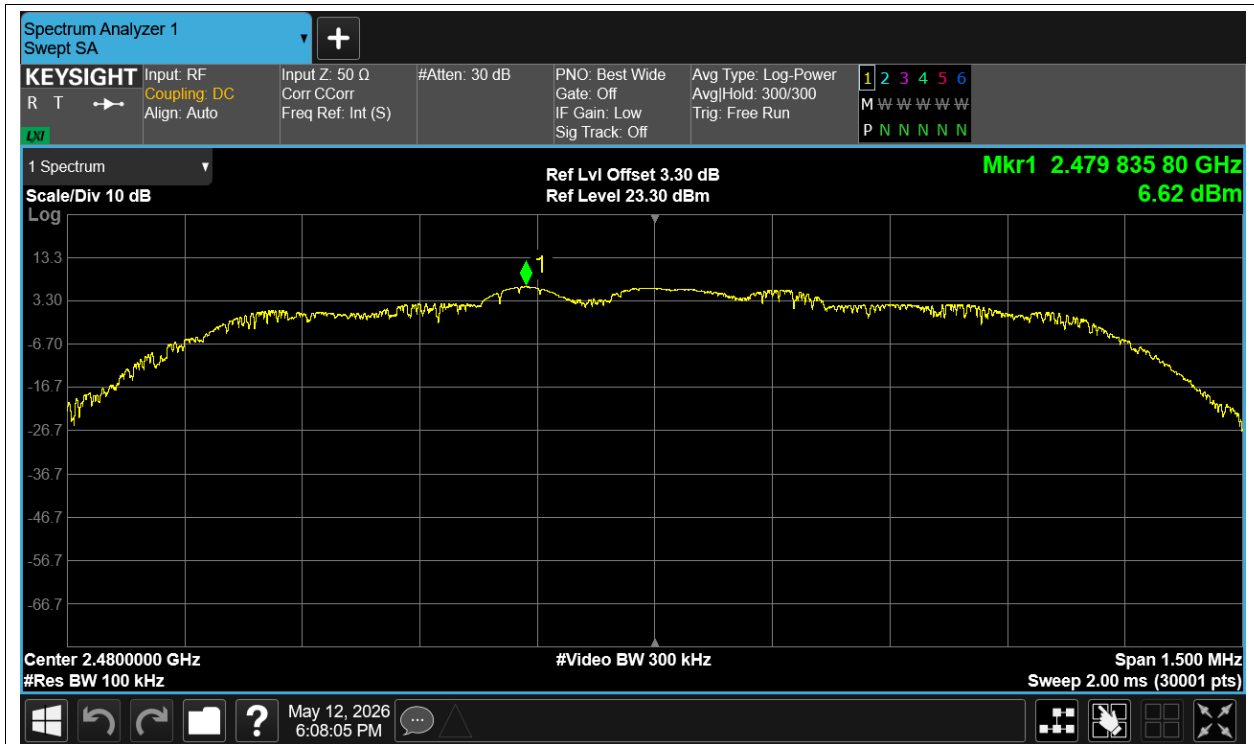
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



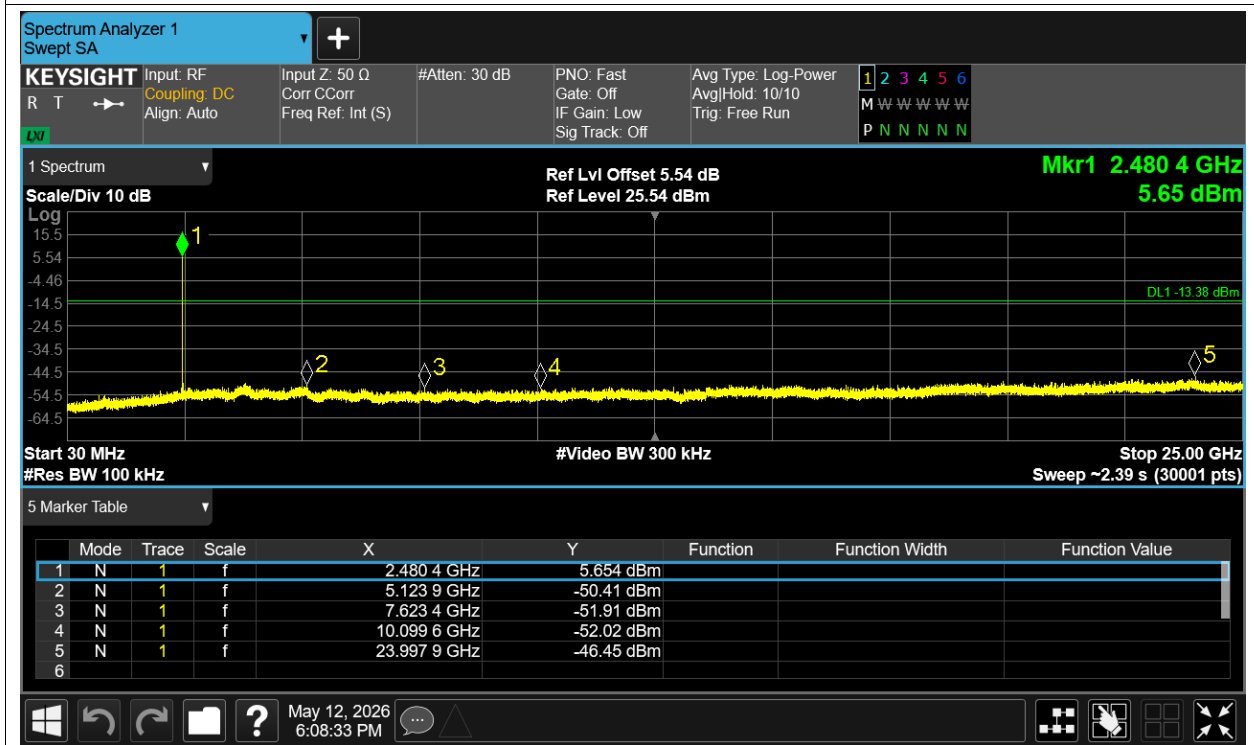
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

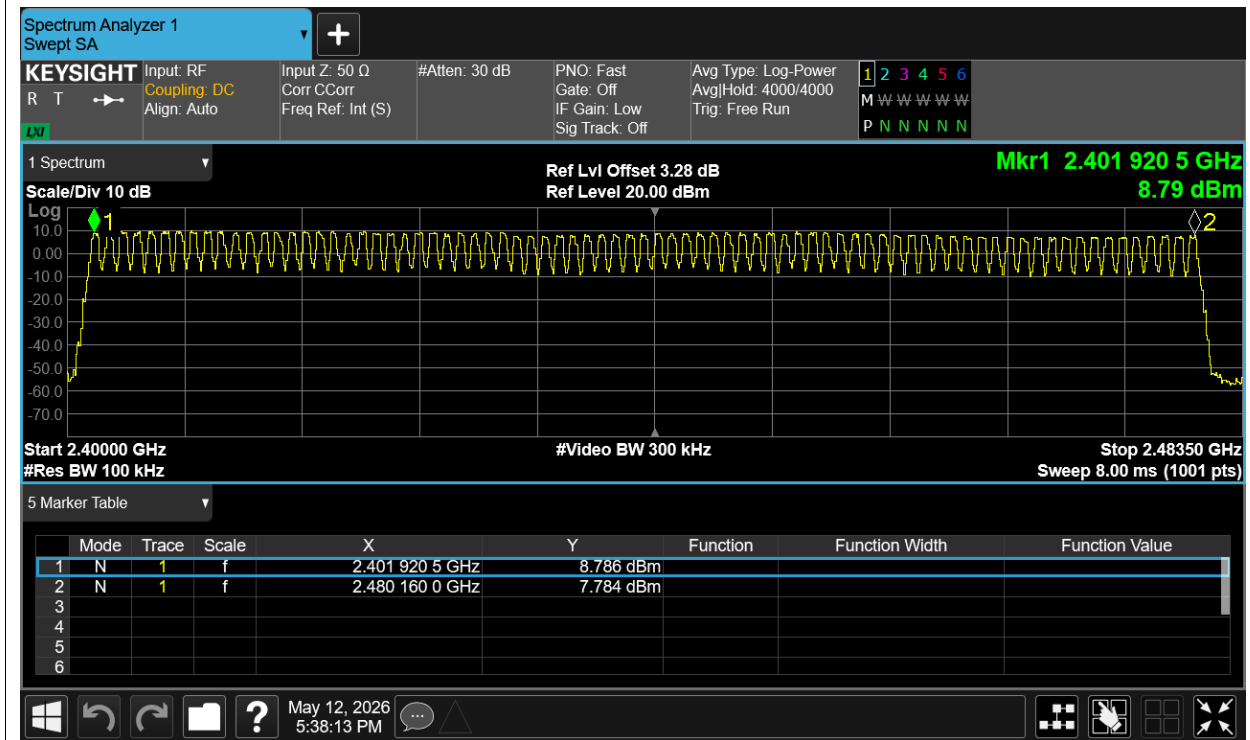


Number of Hopping Channel

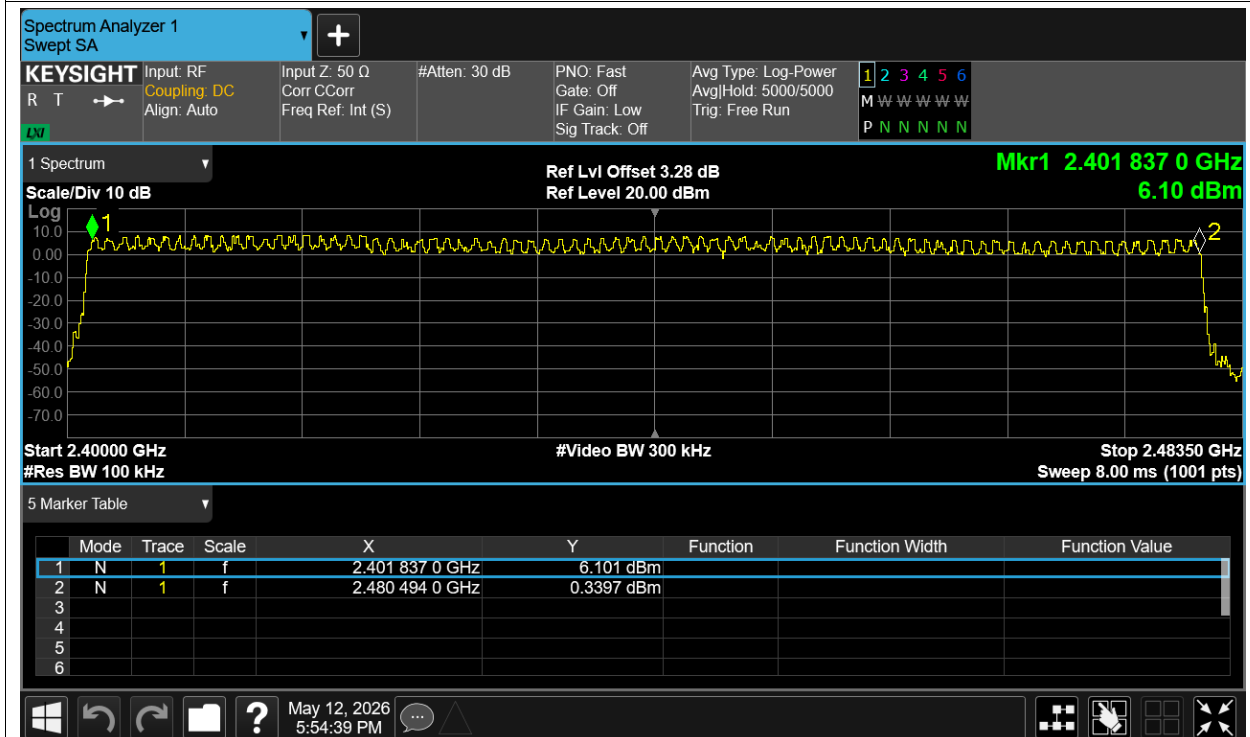
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	75	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

Test Graphs

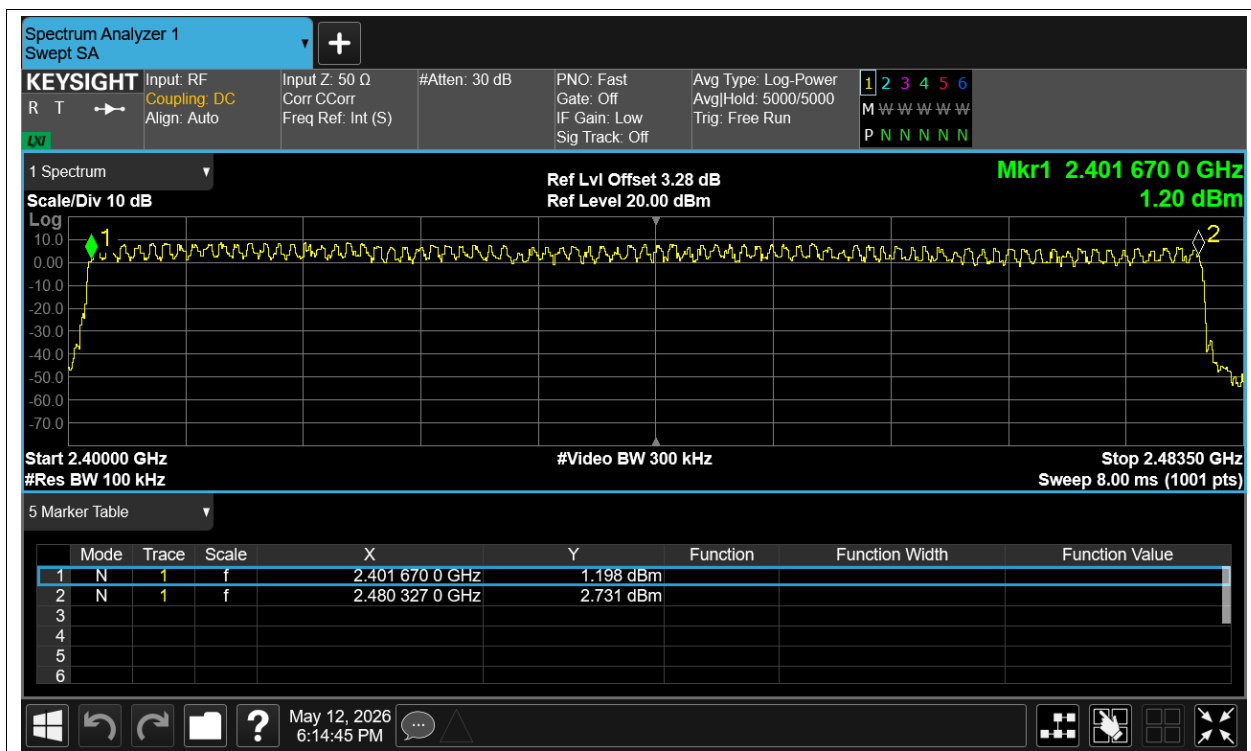
Hopping No. NVNT 1-DH1 2441MHz Ant1.



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1



Dwell Time

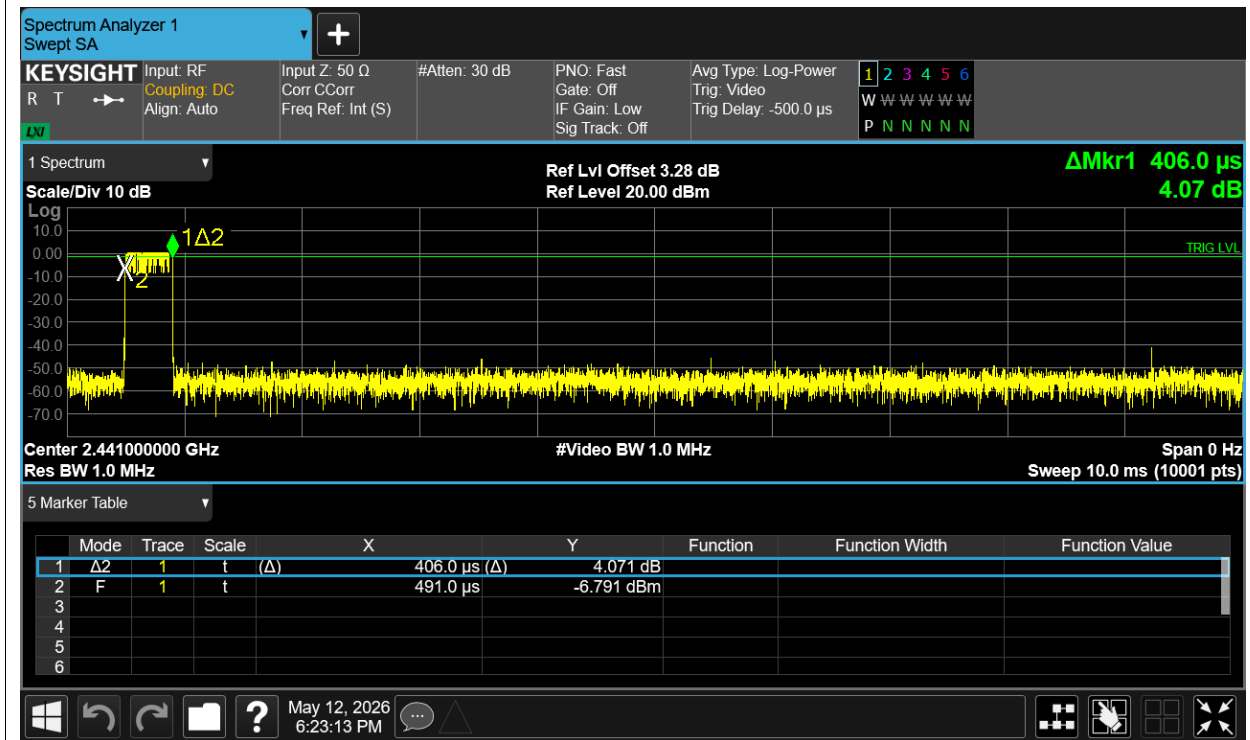
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant12	0.406	129.92	31600	400	Pass
NVNT	1-DH3	2441	Ant12	1.661	265.76	31600	400	Pass
NVNT	1-DH5	2441	Ant12	2.909	310.293	31600	400	Pass
NVNT	2-DH1	2441	Ant12	0.398	127.36	31600	400	Pass
NVNT	2-DH3	2441	Ant12	1.649	263.84	31600	400	Pass
NVNT	2-DH5	2441	Ant12	2.898	309.12	31600	400	Pass
NVNT	3-DH1	2441	Ant12	0.395	126.4	31600	400	Pass
NVNT	3-DH3	2441	Ant12	1.646	263.36	31600	400	Pass
NVNT	3-DH5	2441	Ant12	2.896	308.907	31600	400	Pass

Note:

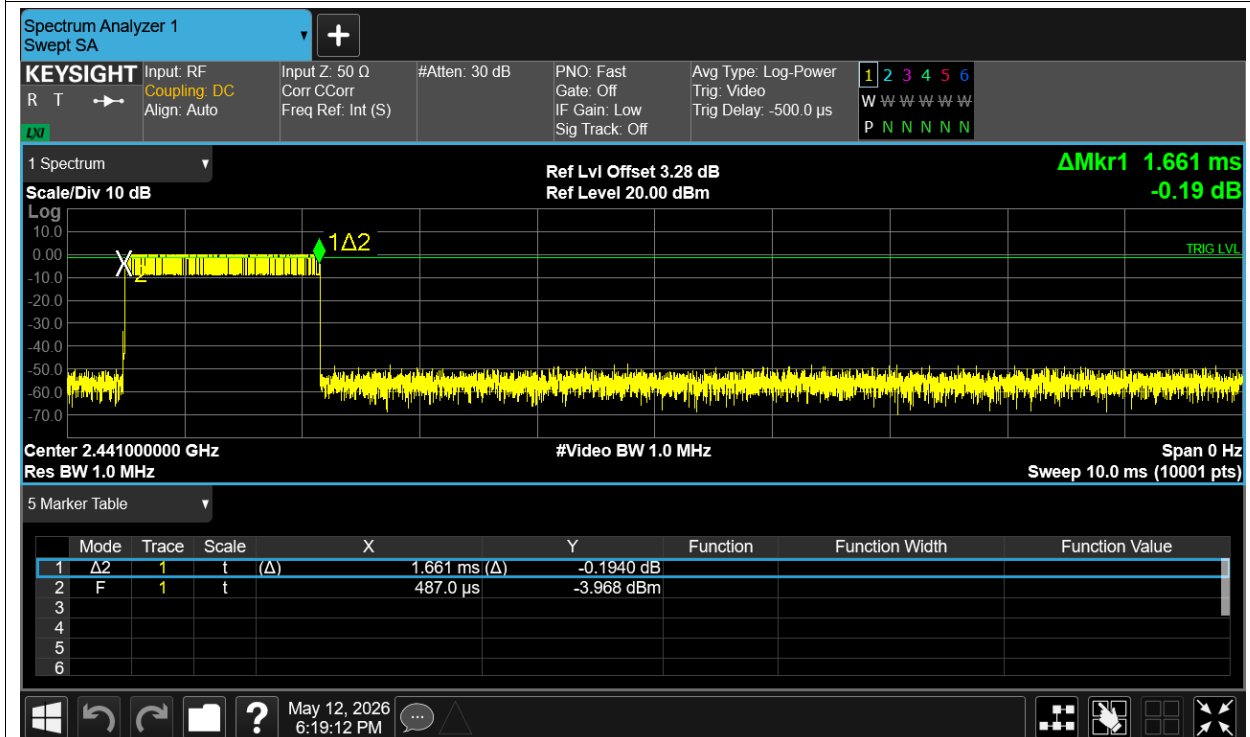
1. In DH1 mode, hopping rate is 1600 hops/s with 2 slots in 79 hopping channels. With channel hopping rate (1600/2/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/2/79)x(0.4 x 79)= 320 hops. Total Dwell time= Pulse Time x 320.
2. In DH3 mode, hopping rate is 1600 hops/s with 4 slots in 79 hopping channels. With channel hopping rate (1600/4/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/4/79)x(0.4 x 79)= 160 hops. Total Dwell time= Pulse Time x 160.
3. In DH5 mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600/6/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/6/79)x(0.4 x 79)= 106.67 hops. Total Dwell time= Pulse Time x 106.67.

Test Graphs

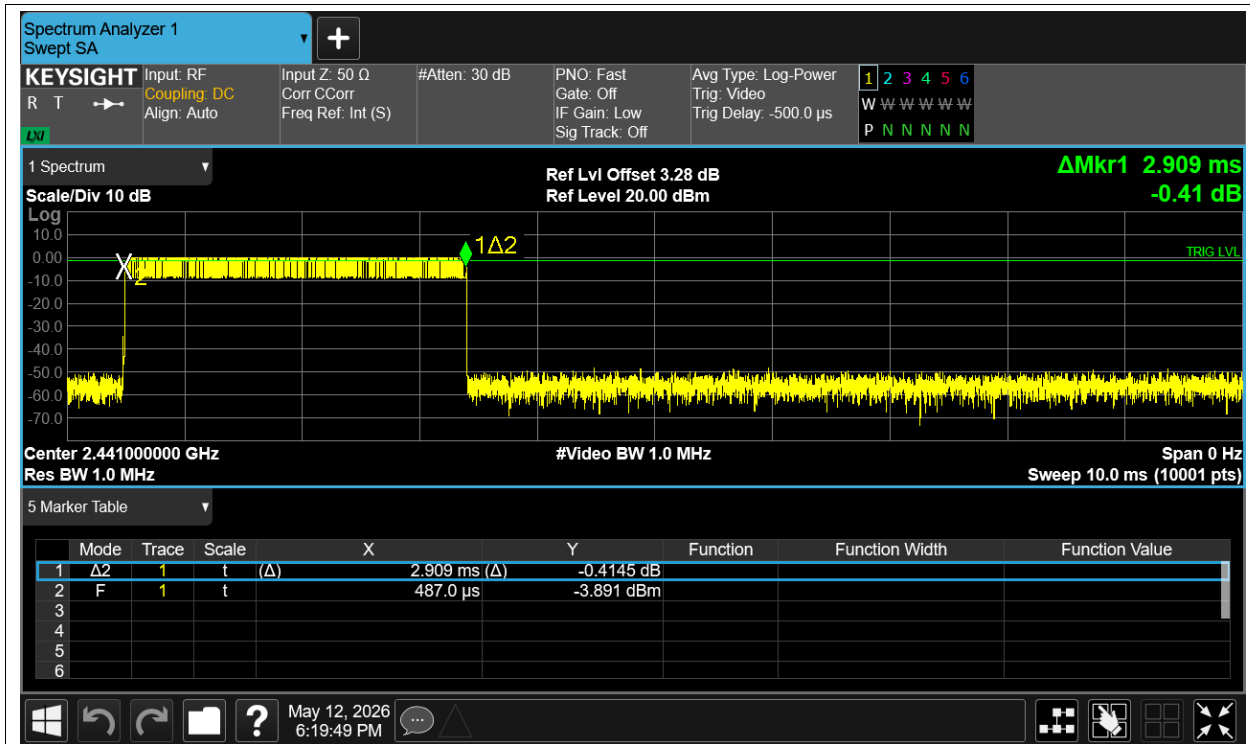
Dwell NVNT 1-DH1 2441MHz Ant1



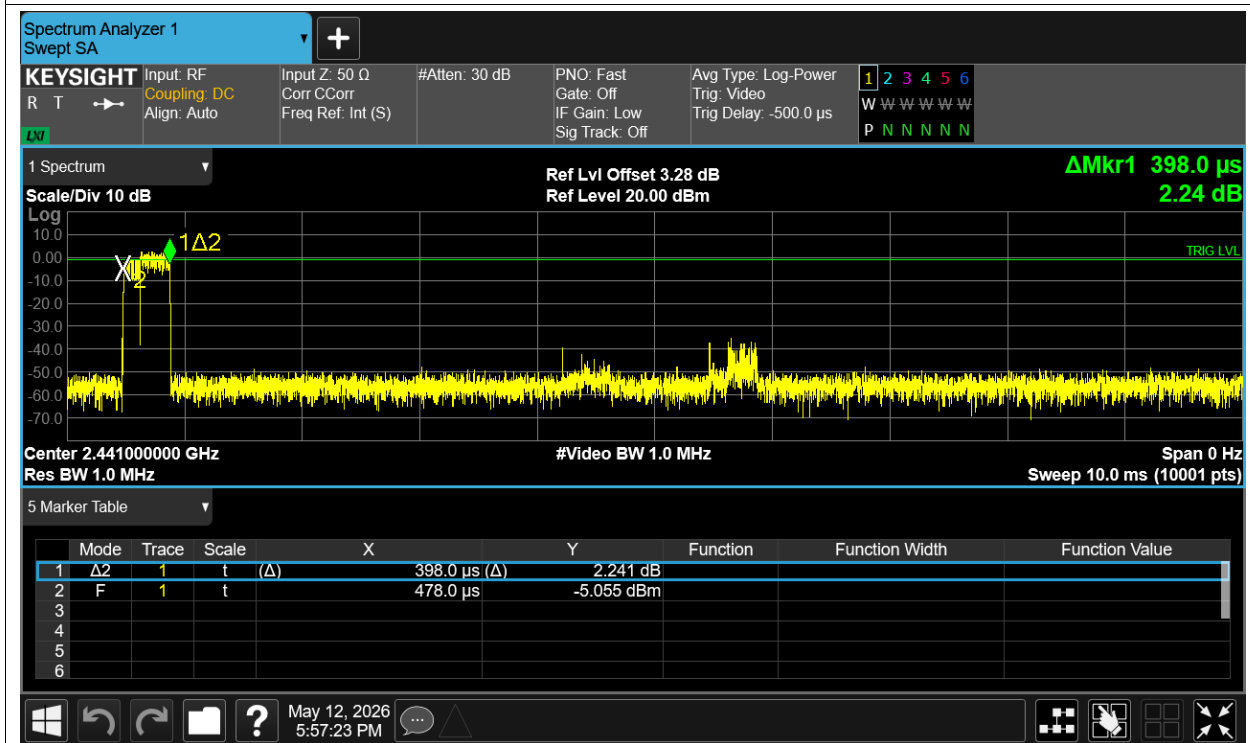
Dwell NVNT 1-DH3 2441MHz Ant1



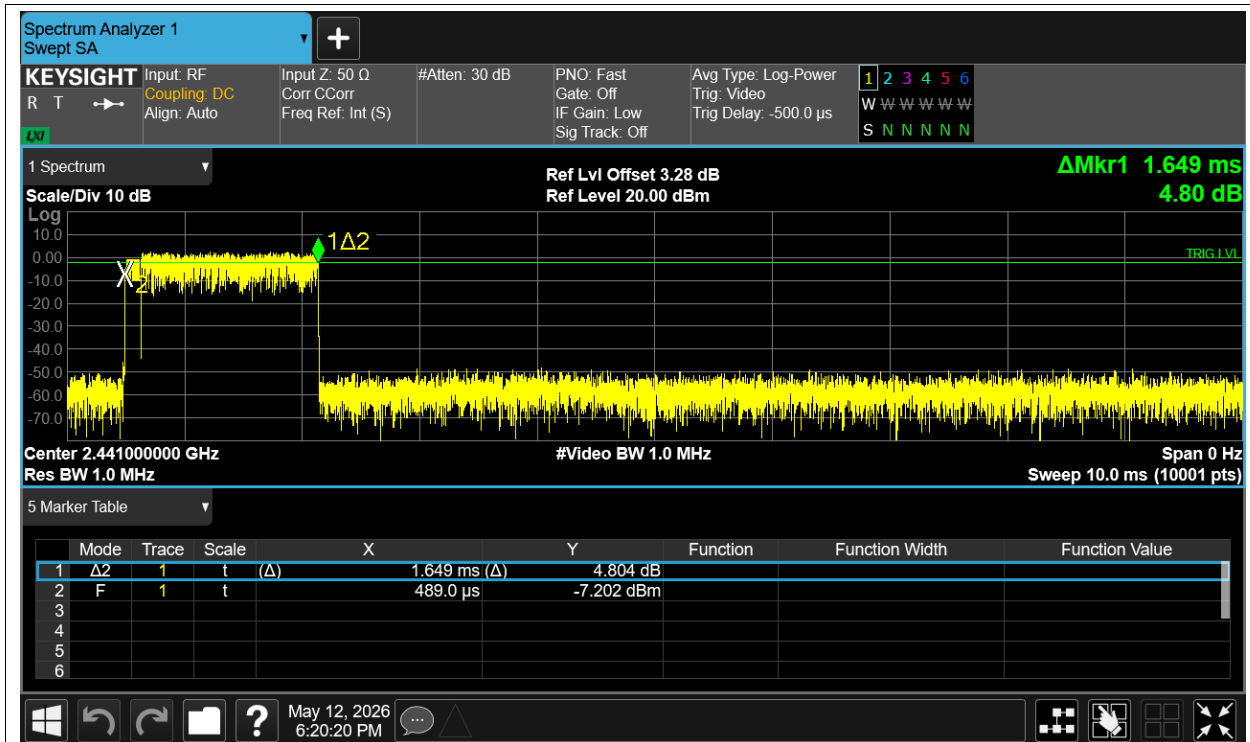
Dwell NVNT 1-DH5 2441MHz Ant1



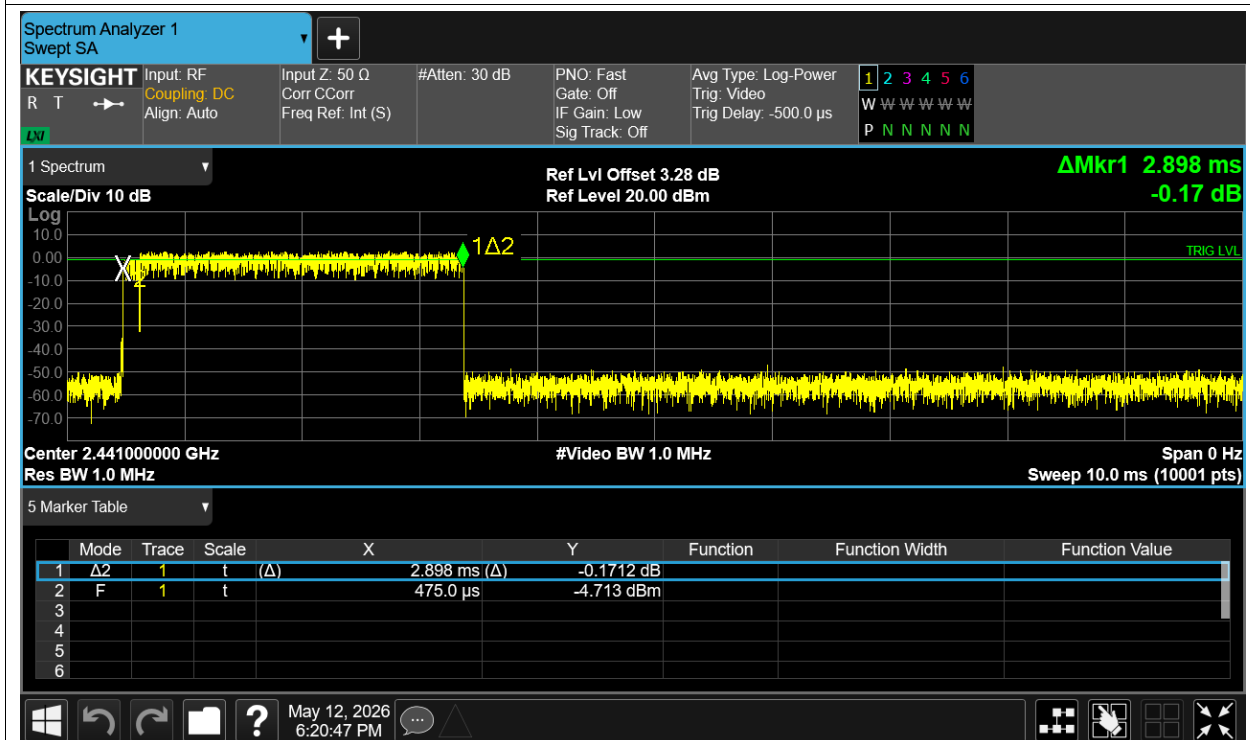
Dwell NVNT 2-DH1 2441MHz Ant1



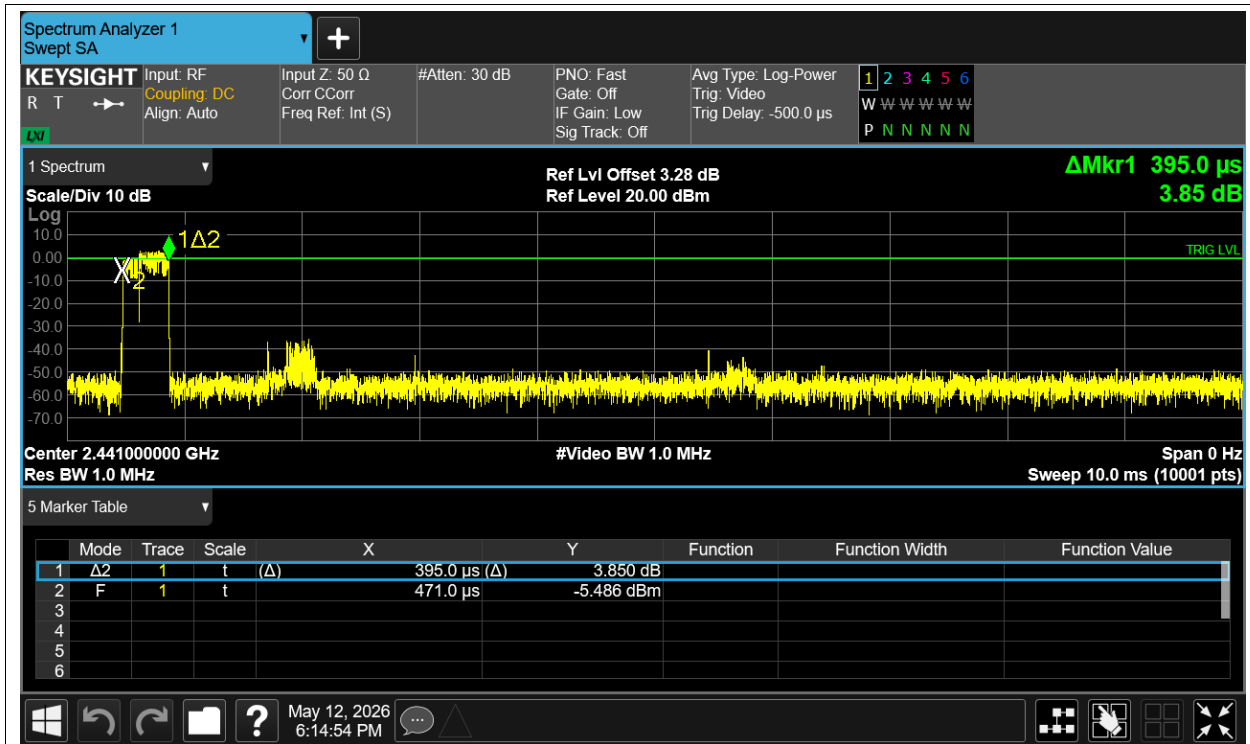
Dwell NVNT 2-DH3 2441MHz Ant1



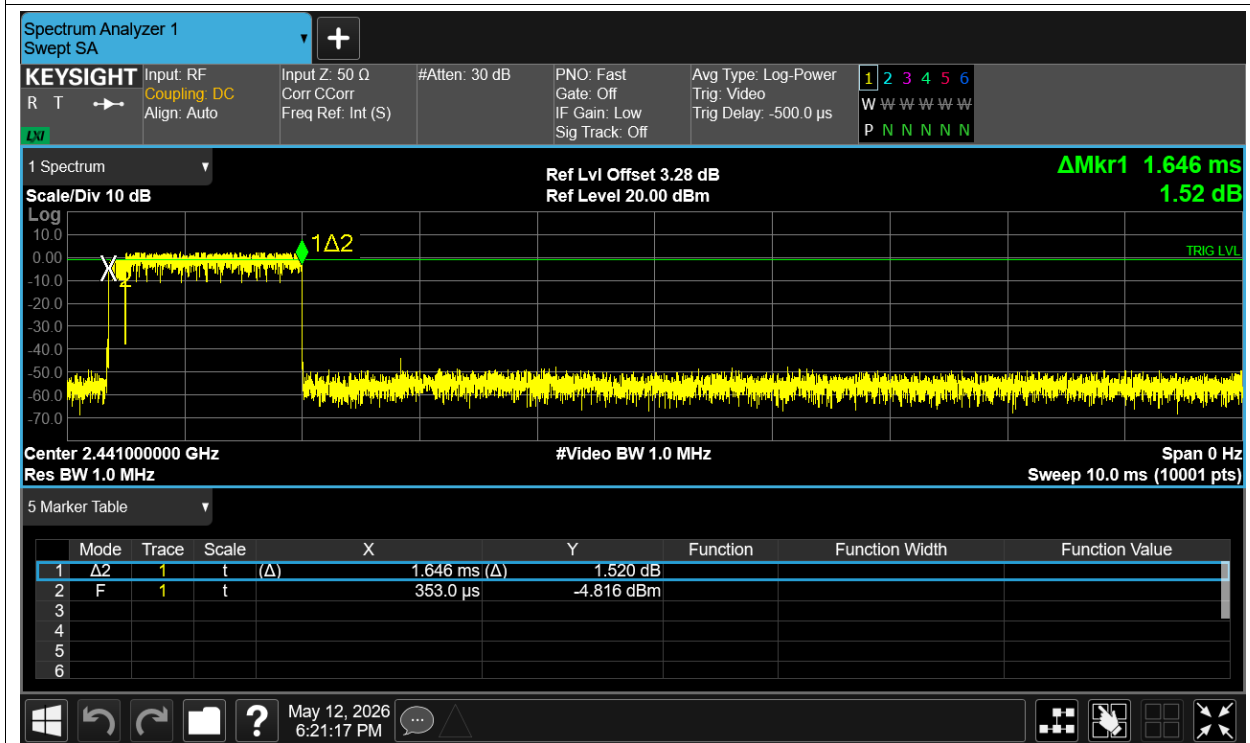
Dwell NVNT 2-DH5 2441MHz Ant1



Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1



Dwell NVNT 3-DH5 2441MHz Ant1

