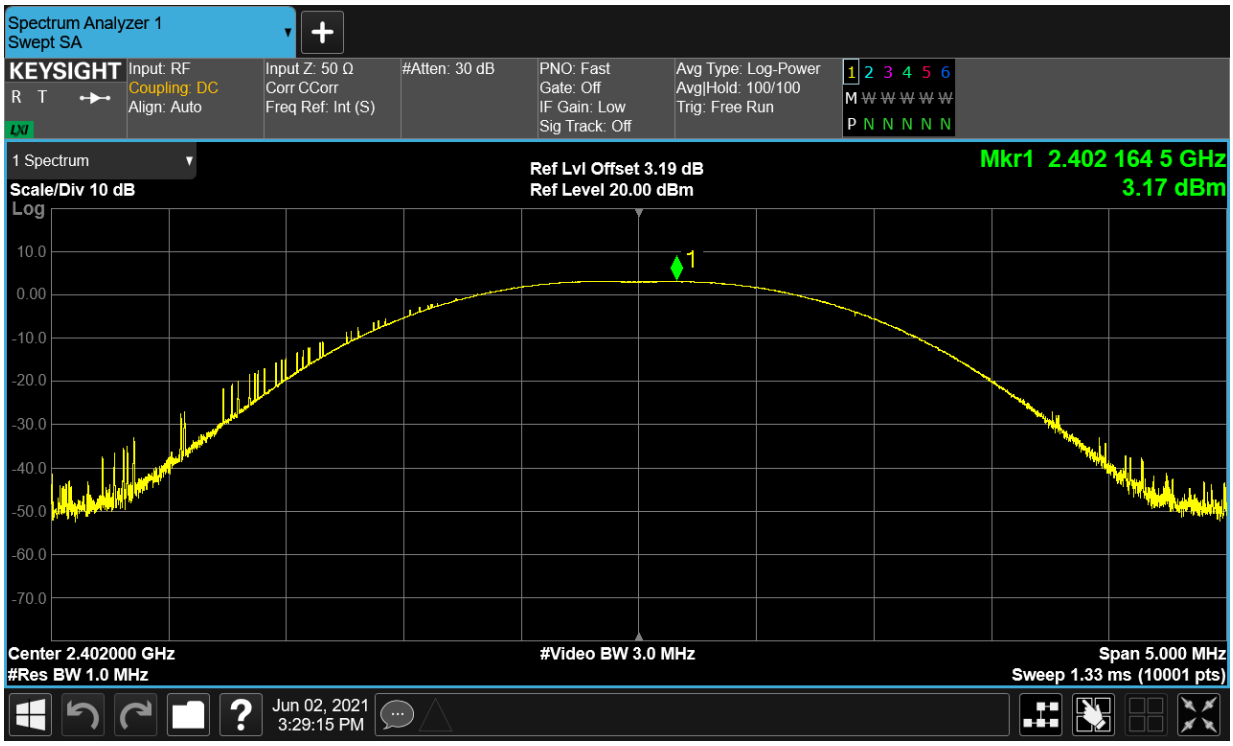
Test Data

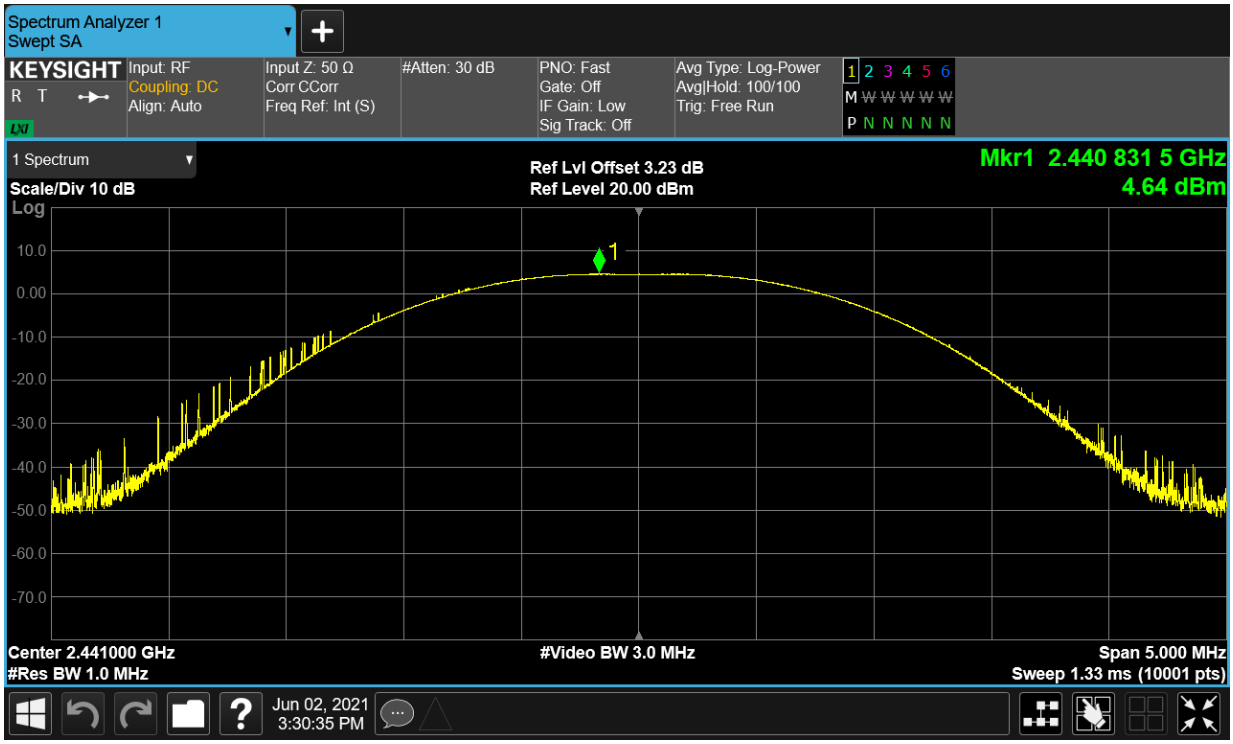
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	3.175	0	3.175	30	Pass
NVNT	1-DH1	2441	Ant1	4.643	0	4.643	30	Pass
NVNT	1-DH1	2480	Ant1	5.304	0	5.304	30	Pass
NVNT	2-DH1	2402	Ant1	5.398	0	5.398	21	Pass
NVNT	2-DH1	2441	Ant1	6.769	0	6.769	21	Pass
NVNT	2-DH1	2480	Ant1	7.362	0	7.362	21	Pass
NVNT	3-DH1	2402	Ant1	5.798	0	5.798	21	Pass
NVNT	3-DH1	2441	Ant1	7.147	0	7.147	21	Pass
NVNT	3-DH1	2480	Ant1	7.729	0	7.729	21	Pass

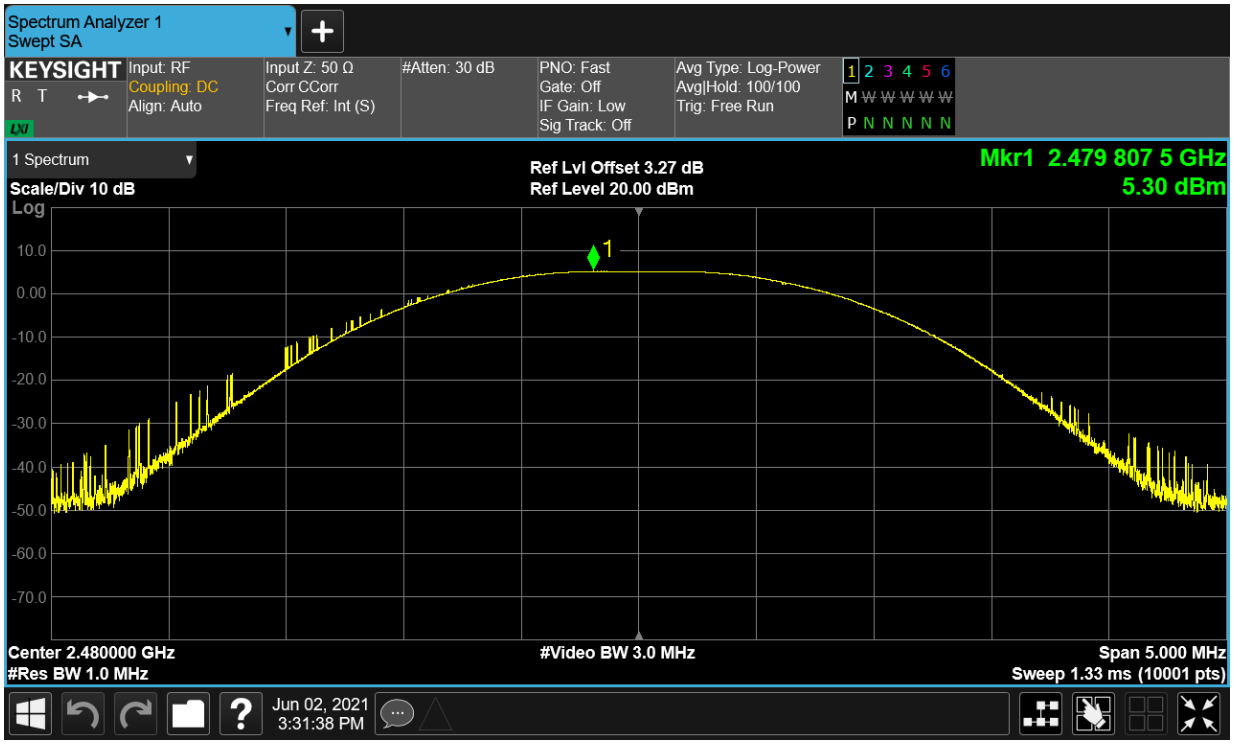
Power NVNT 1-DH1 2402MHz Ant1



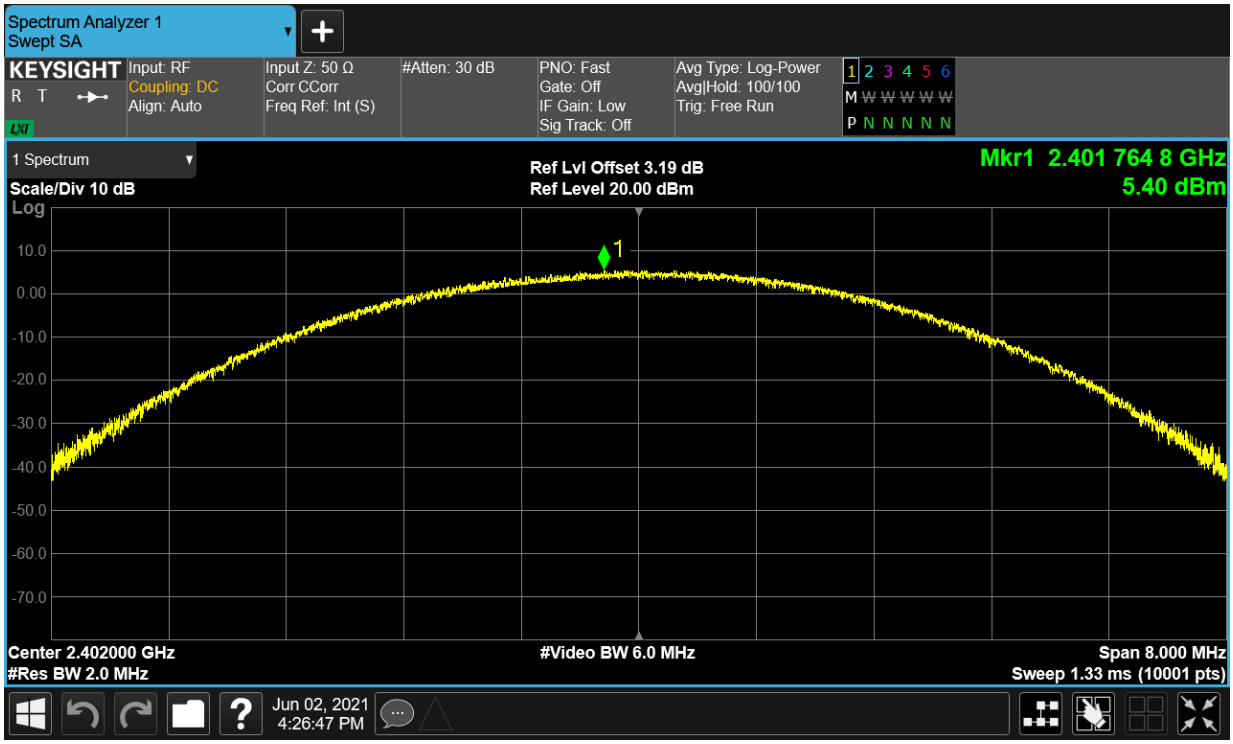
Power NVNT 1-DH1 2441MHz Ant1



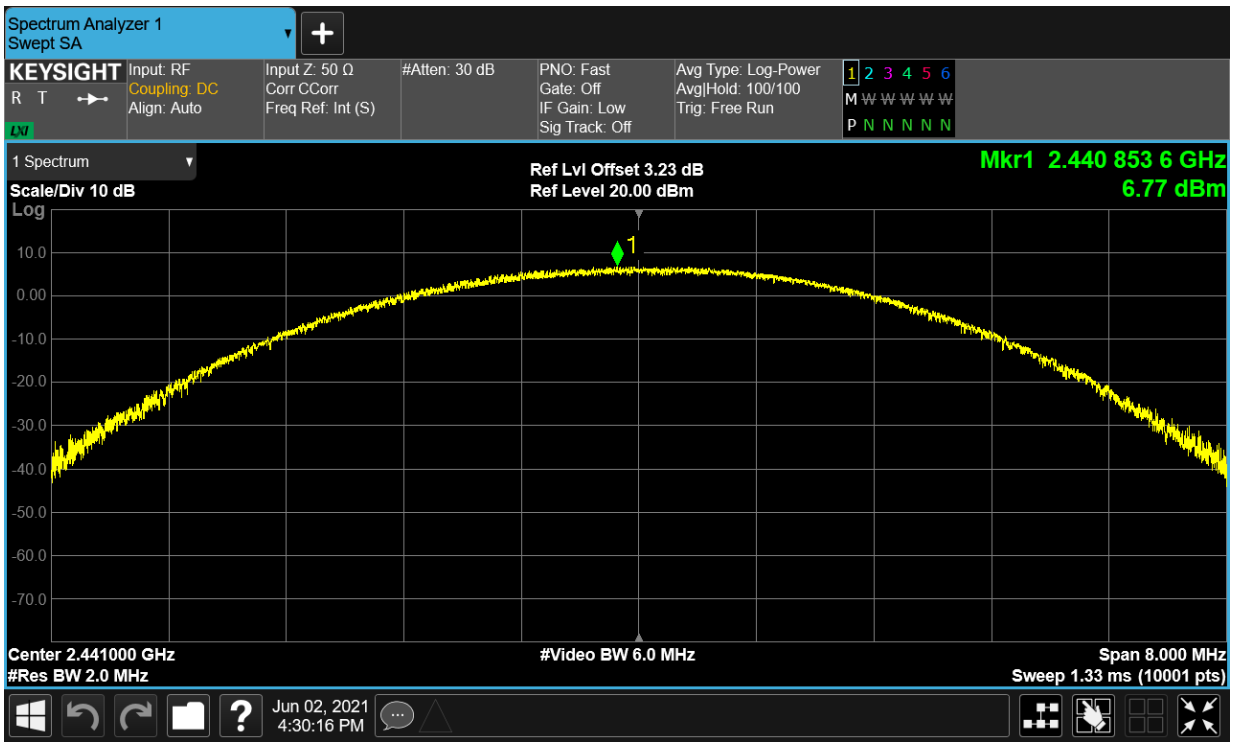
Power NVNT 1-DH1 2480MHz Ant1



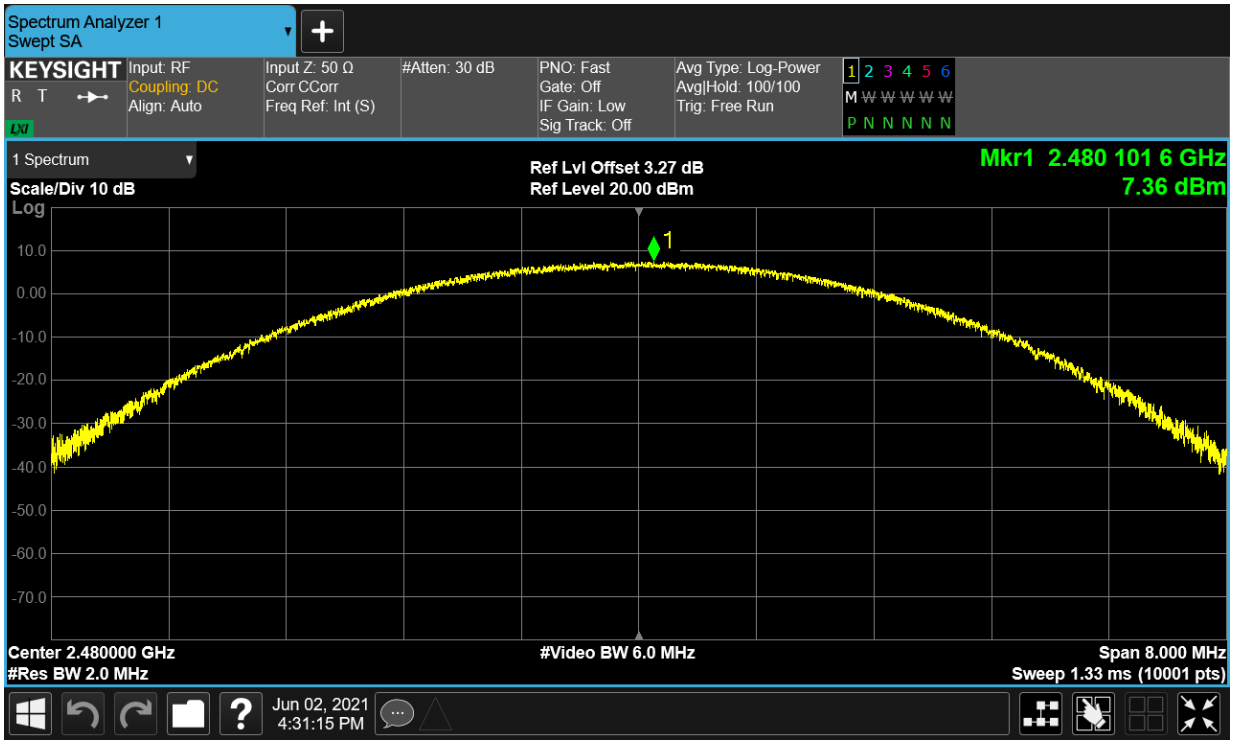
Power NVNT 2-DH1 2402MHz Ant1



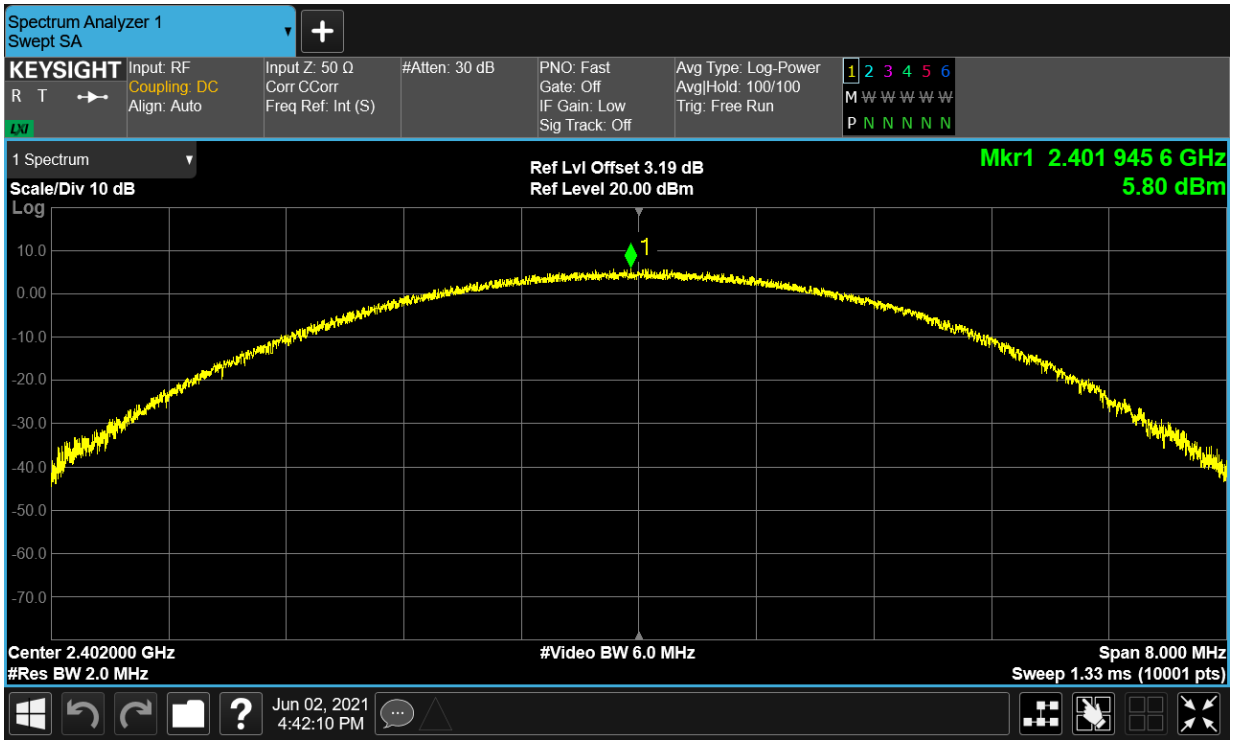
Power NVNT 2-DH1 2441MHz Ant1



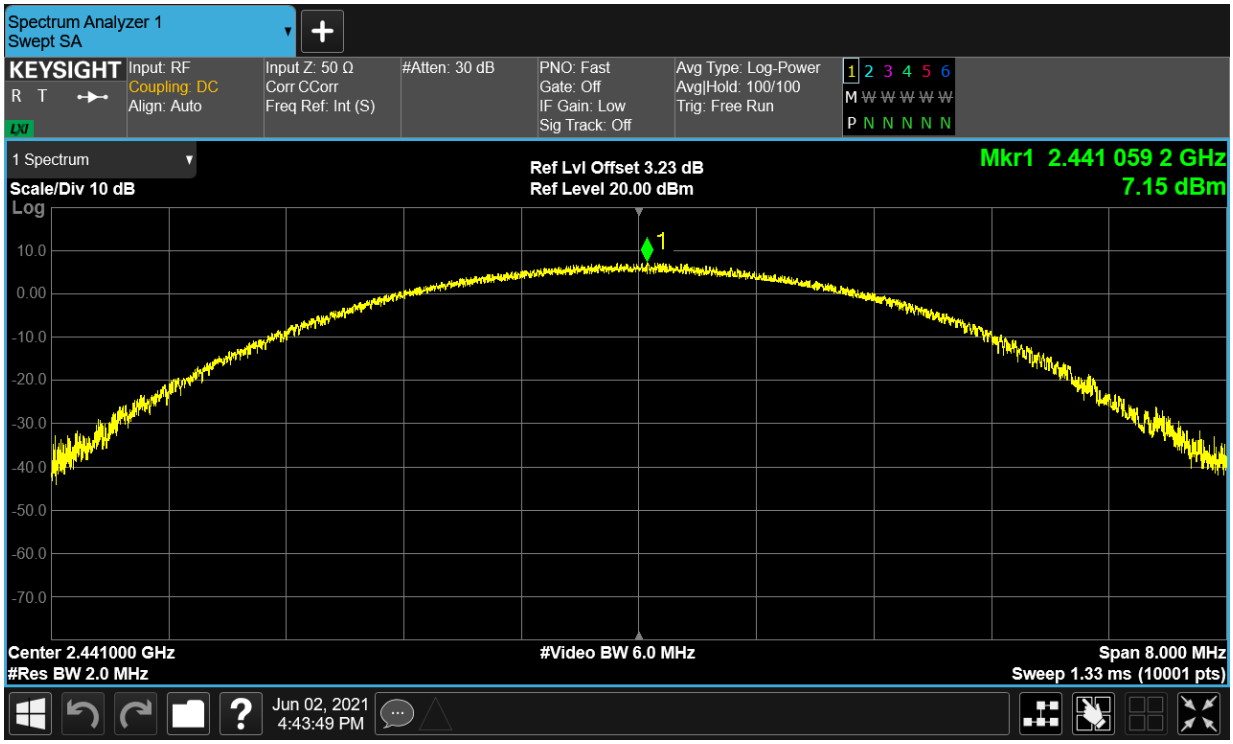
Power NVNT 2-DH1 2480MHz Ant1



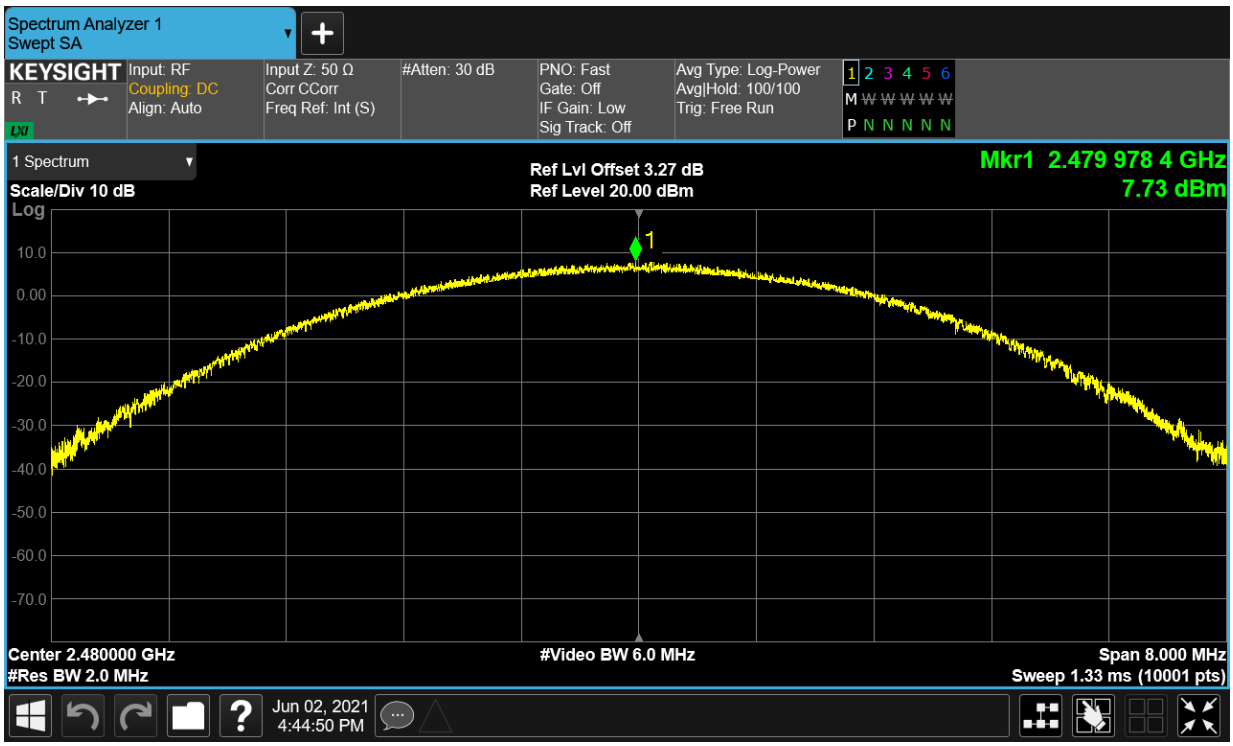
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



Power NVNT 3-DH1 2480MHz Ant1

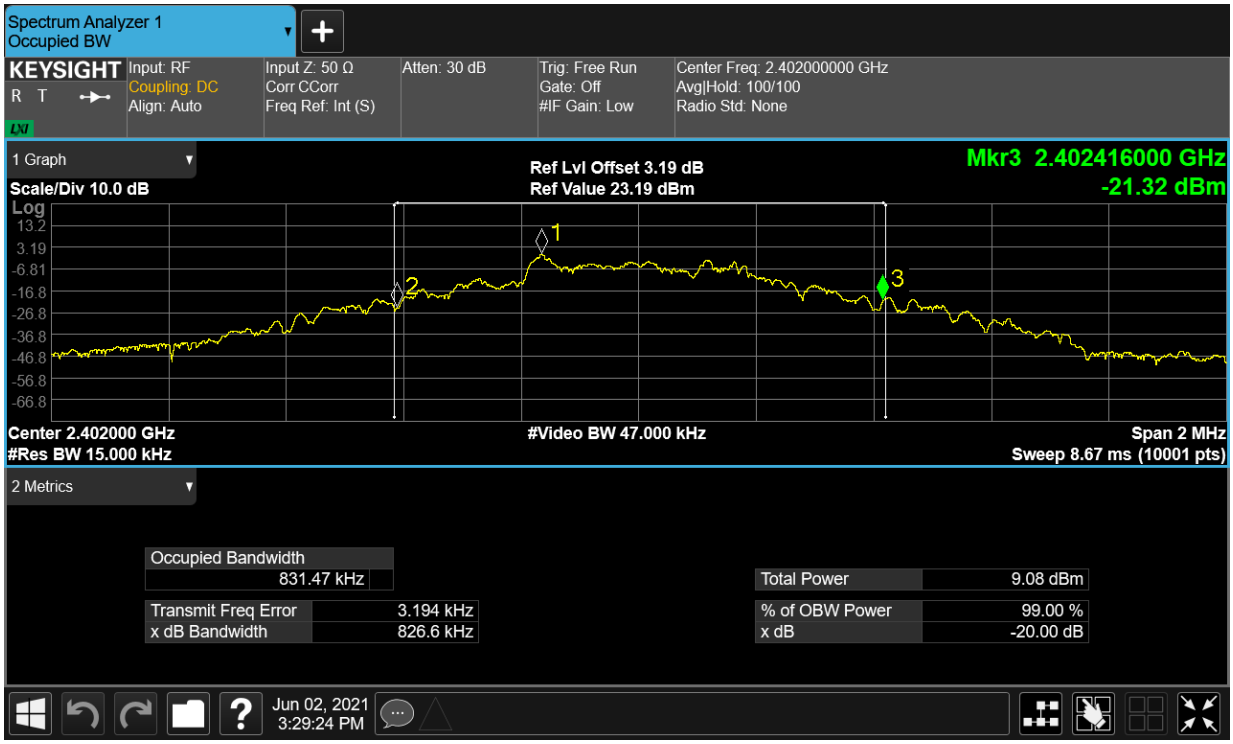


-20dB Bandwidth

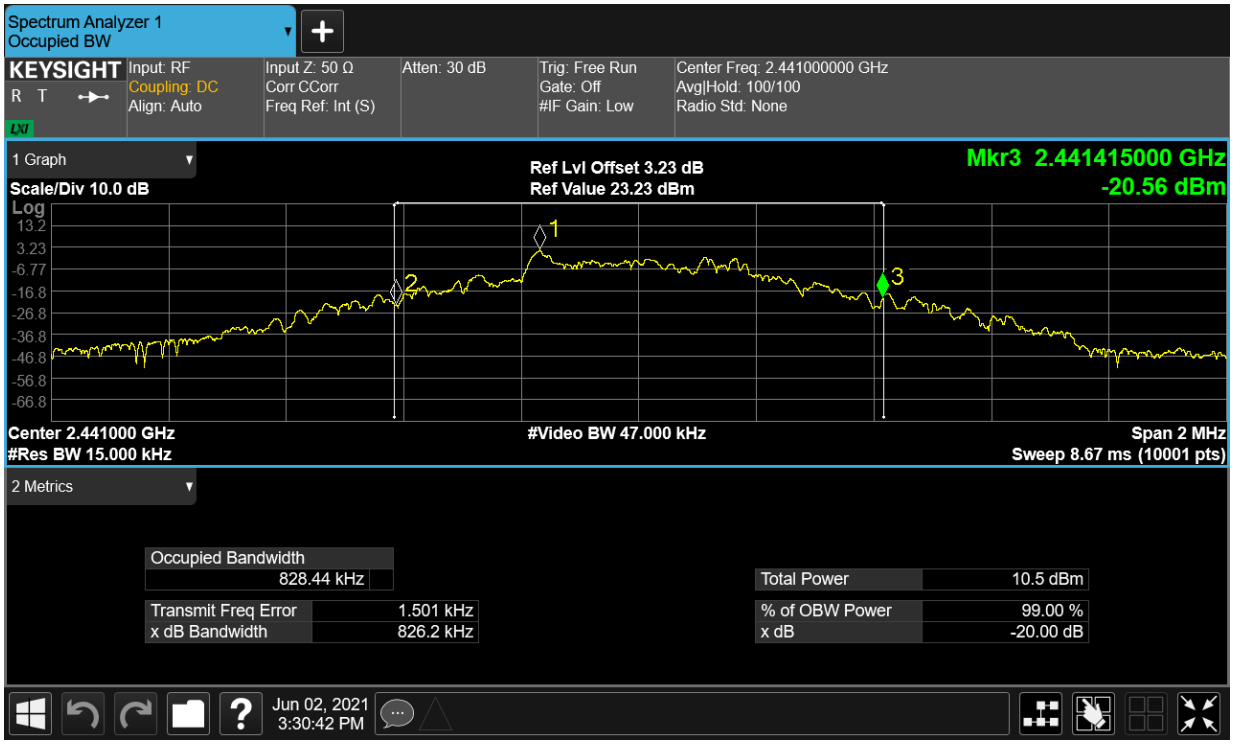
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.827	0	Pass
NVNT	1-DH1	2441	Ant1	0.826	0	Pass
NVNT	1-DH1	2480	Ant1	0.825	0	Pass

NVNT	2-DH1	2402	Ant1	1.215	0	Pass
NVNT	2-DH1	2441	Ant1	1.216	0	Pass
NVNT	2-DH1	2480	Ant1	1.218	0	Pass
NVNT	3-DH1	2402	Ant1	1.199	0	Pass
NVNT	3-DH1	2441	Ant1	1.206	0	Pass
NVNT	3-DH1	2480	Ant1	1.197	0	Pass

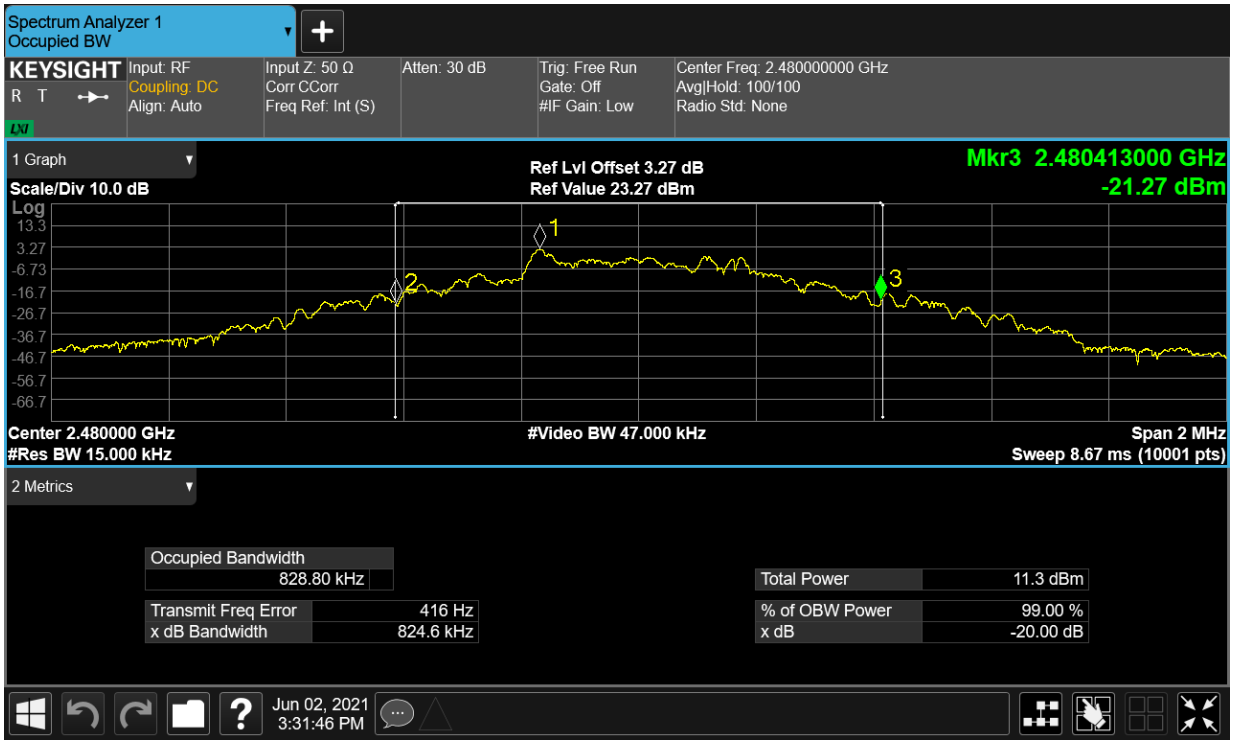
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



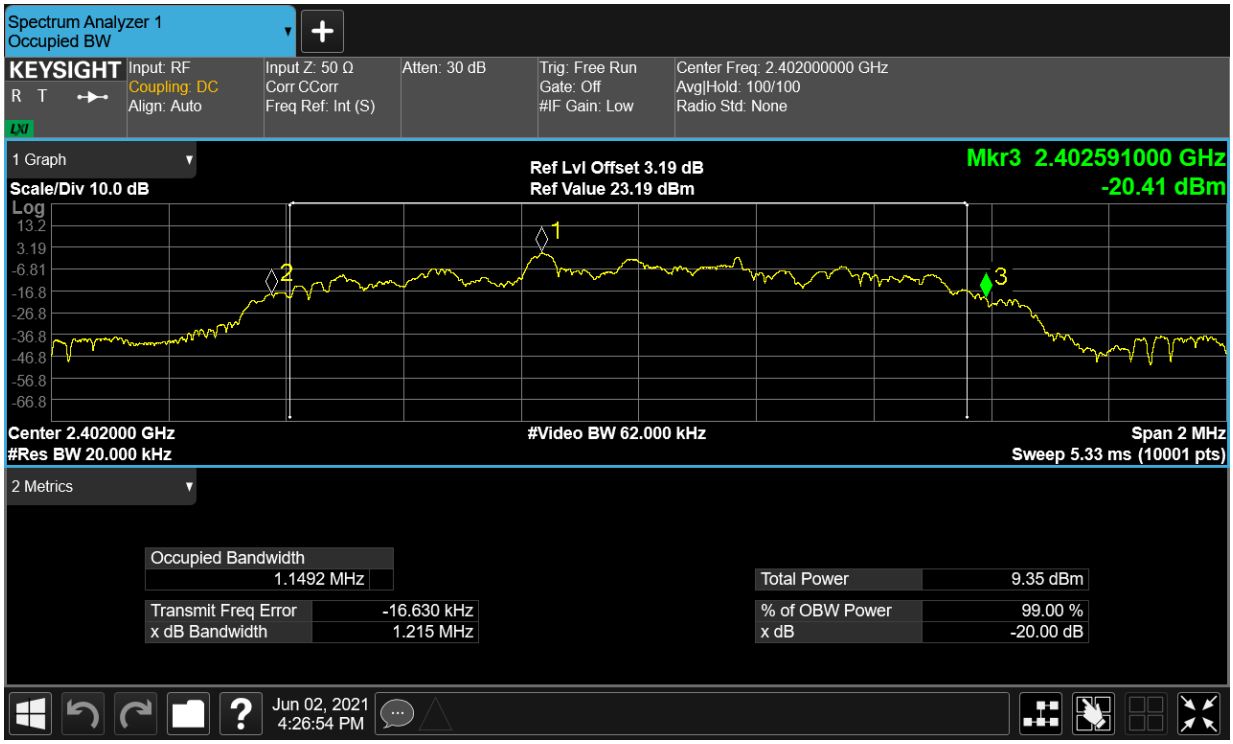
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



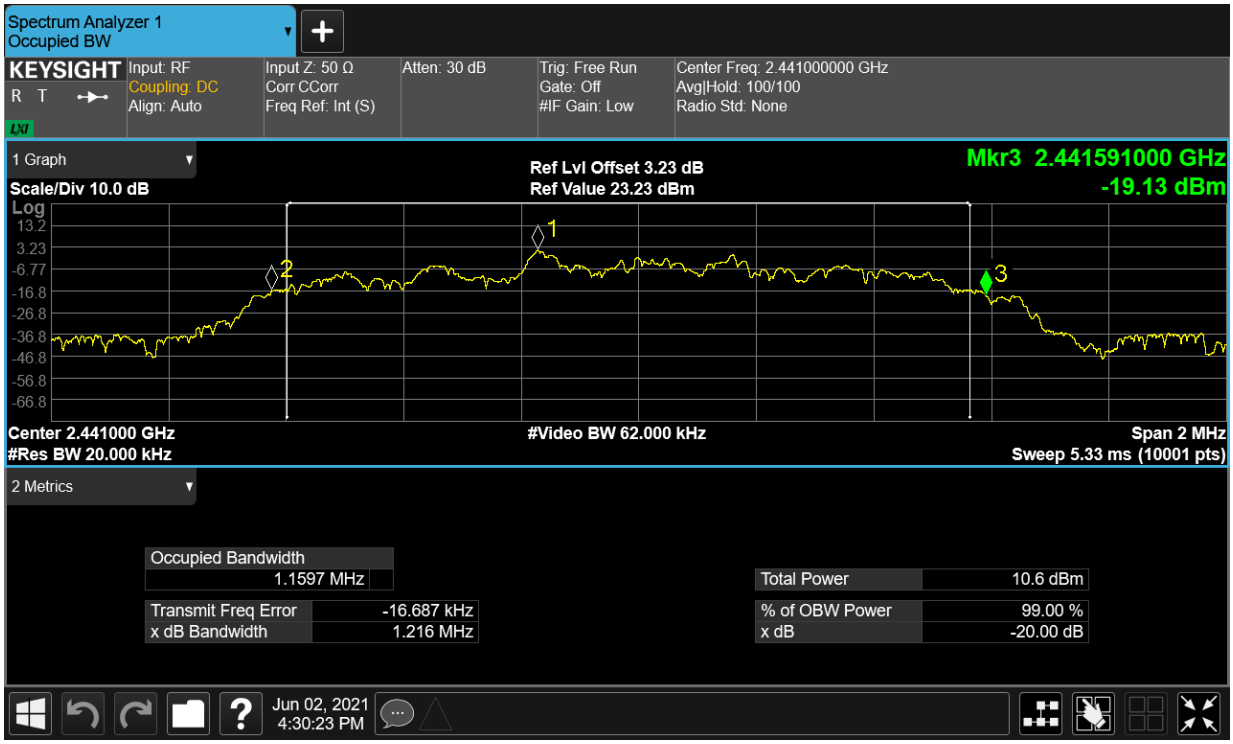
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



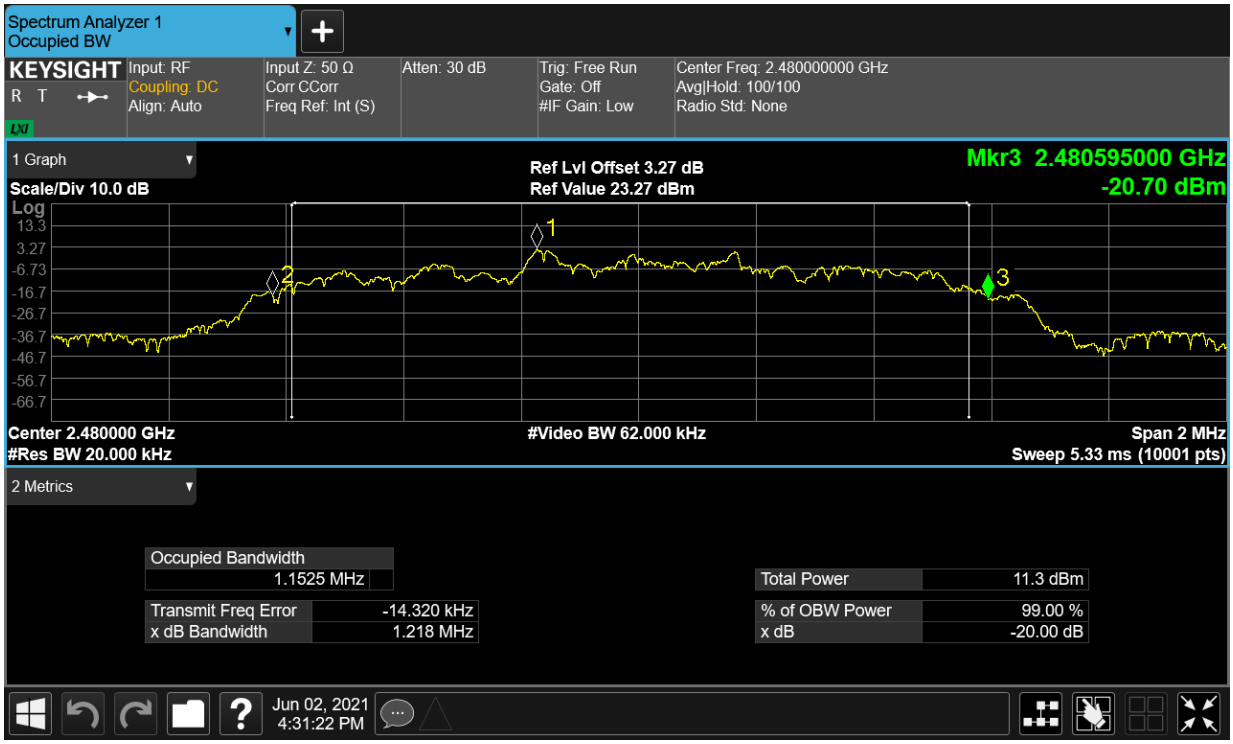
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



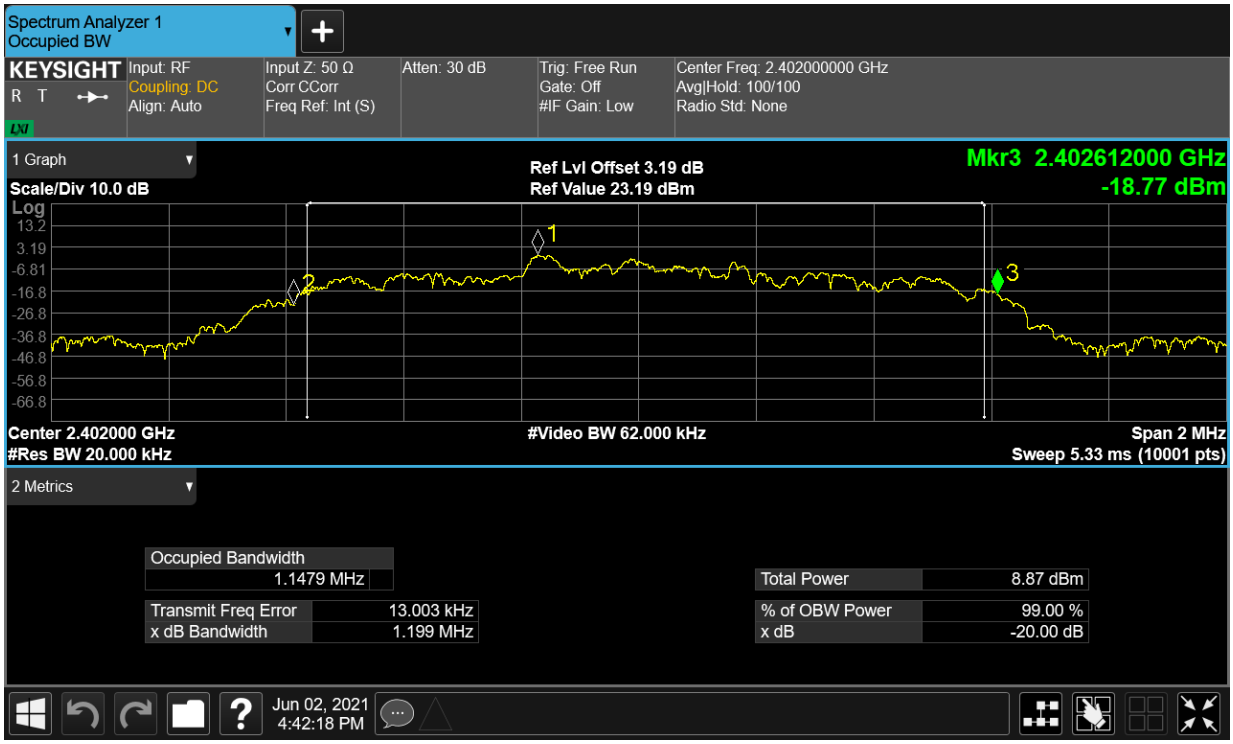
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



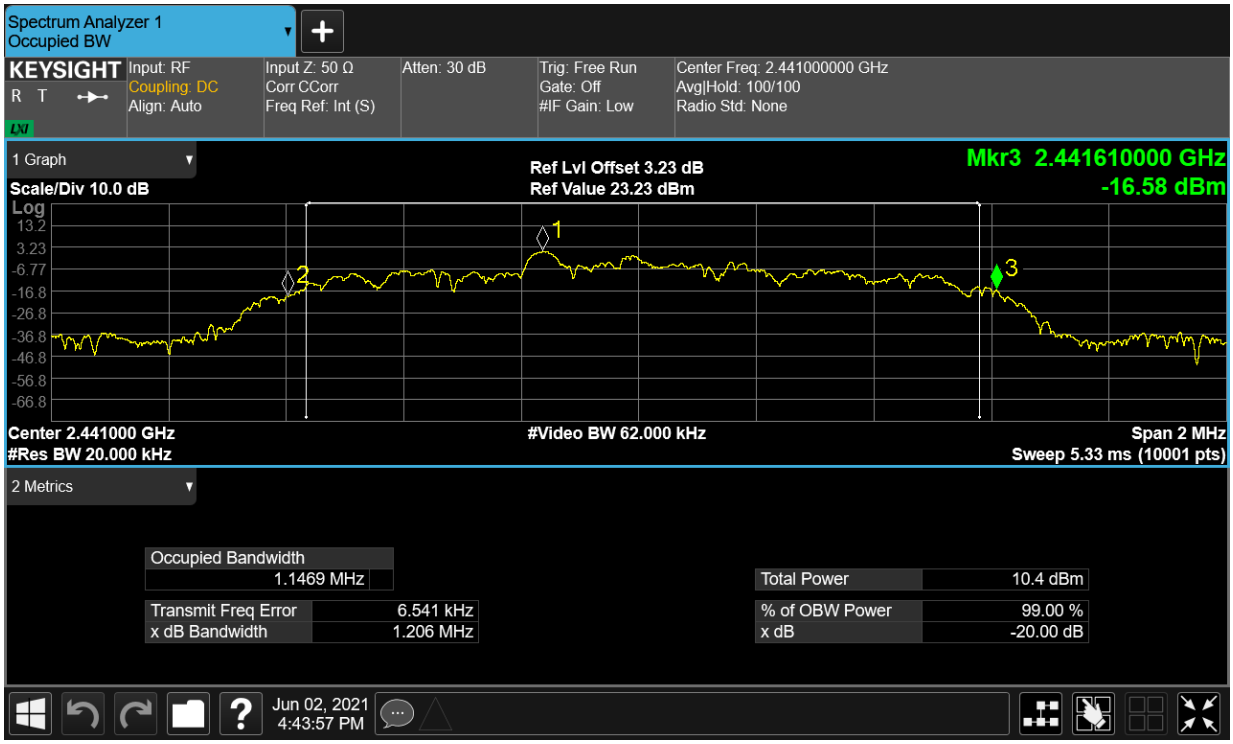
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



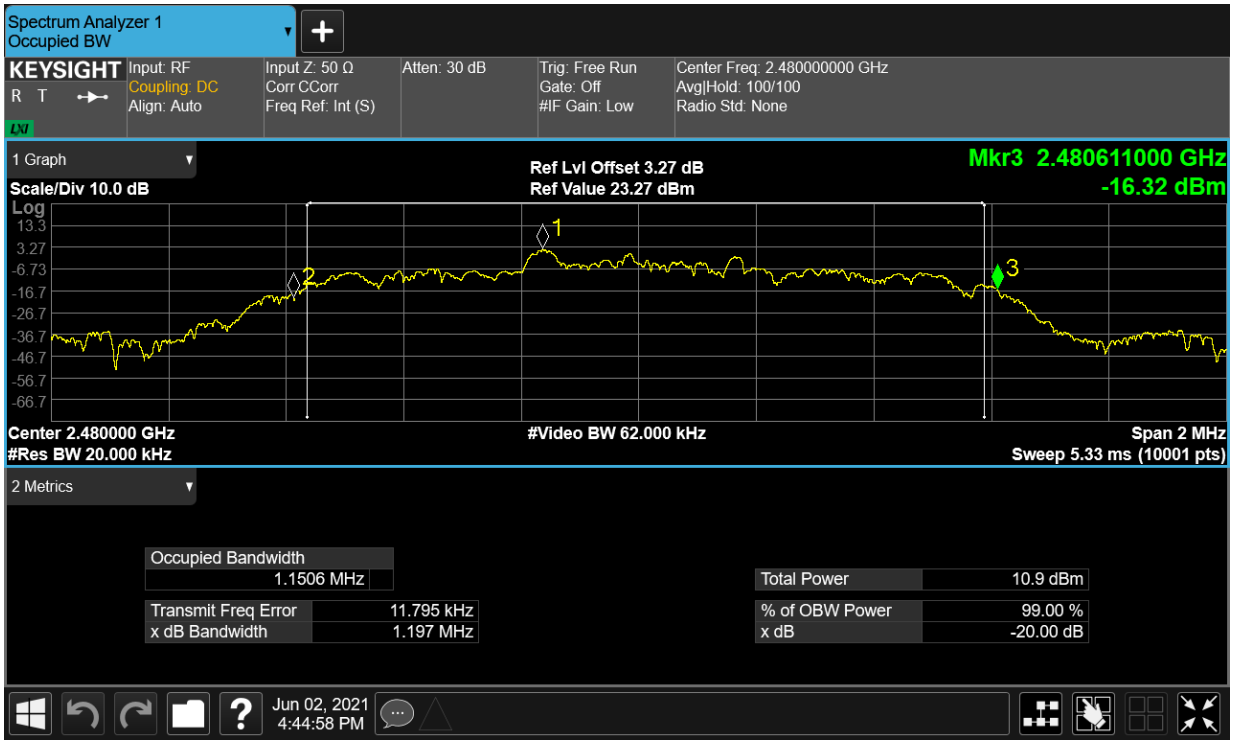
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1

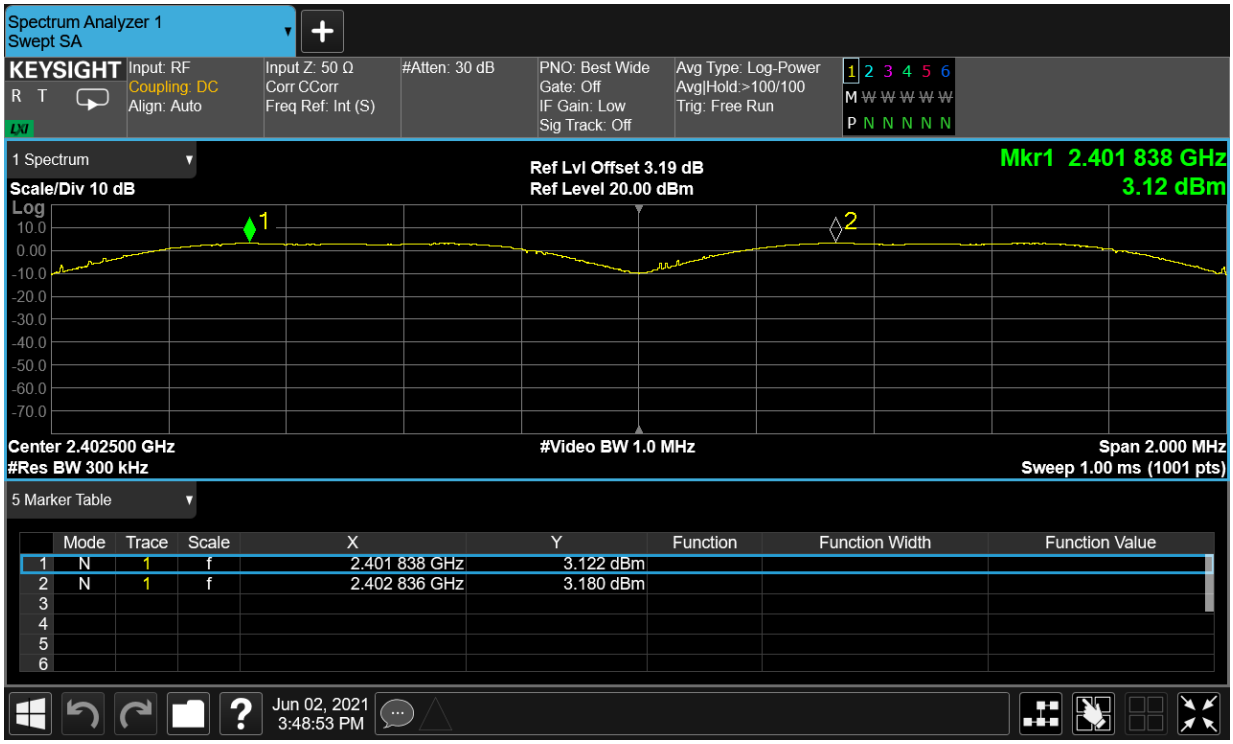


Carrier Frequencies Separation

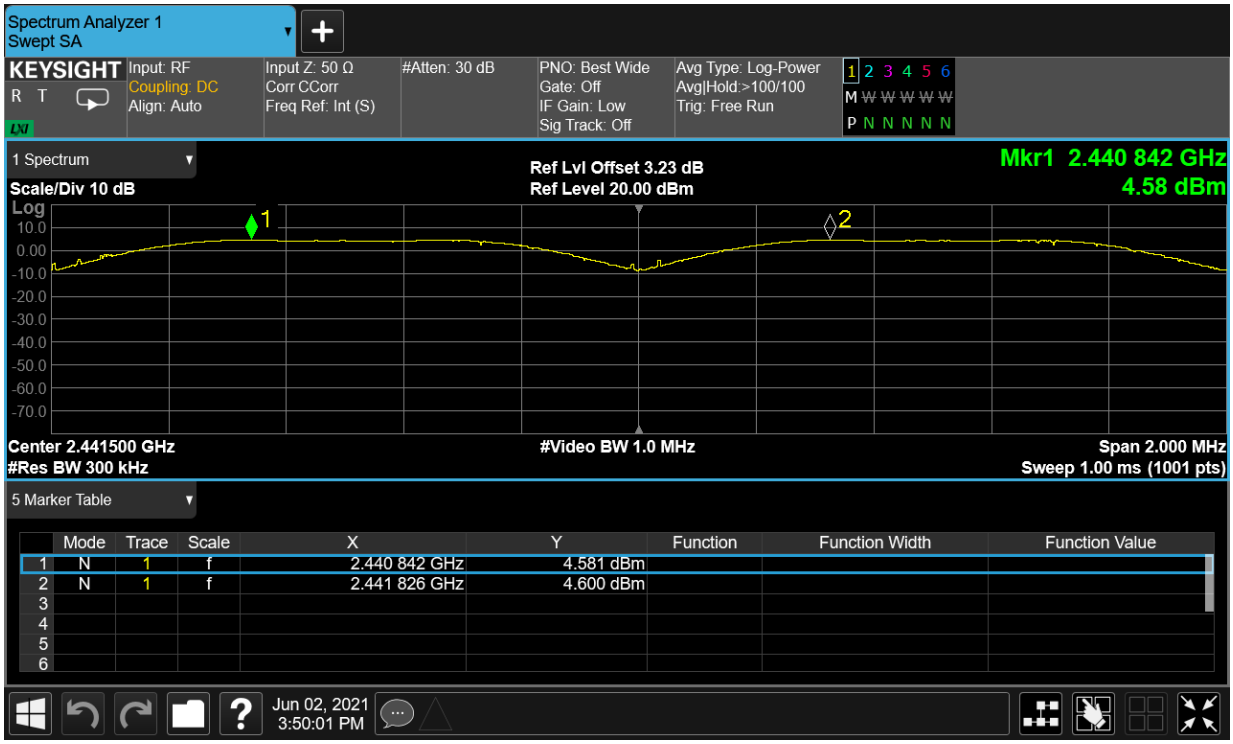
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2401.838	2402.836	0.998	0.827	Pass
NVNT	1-DH1	Ant1	2440.842	2441.826	0.984	0.826	Pass
NVNT	1-DH1	Ant1	2478.834	2479.838	1.004	0.825	Pass

NVNT	2-DH1	Ant1	2401.843	2402.995	1.152	0.81	Pass
NVNT	2-DH1	Ant1	2440.987	2441.827	0.84	0.811	Pass
NVNT	2-DH1	Ant1	2478.837	2479.827	0.99	0.812	Pass
NVNT	3-DH1	Ant1	2401.828	2402.836	1.008	0.799	Pass
NVNT	3-DH1	Ant1	2440.837	2441.824	0.987	0.804	Pass
NVNT	3-DH1	Ant1	2478.825	2479.833	1.008	0.798	Pass

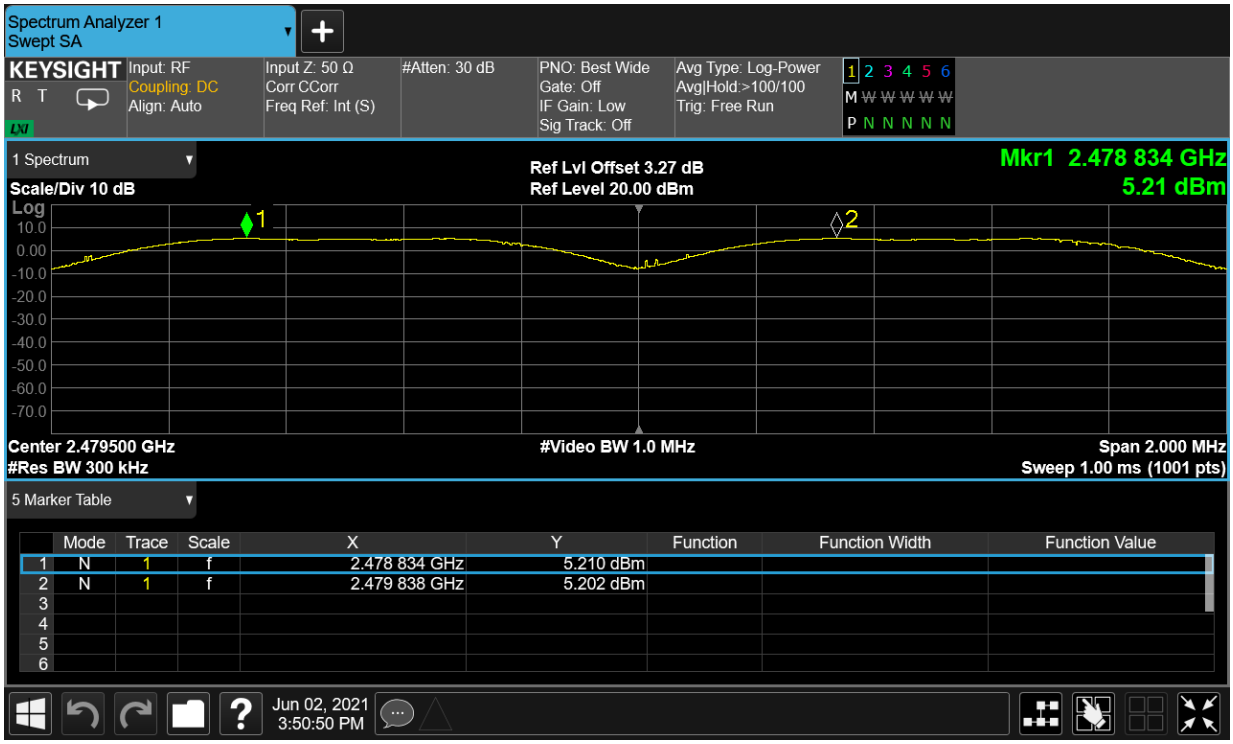
CFS NVNT 1-DH1 2402MHz Ant1



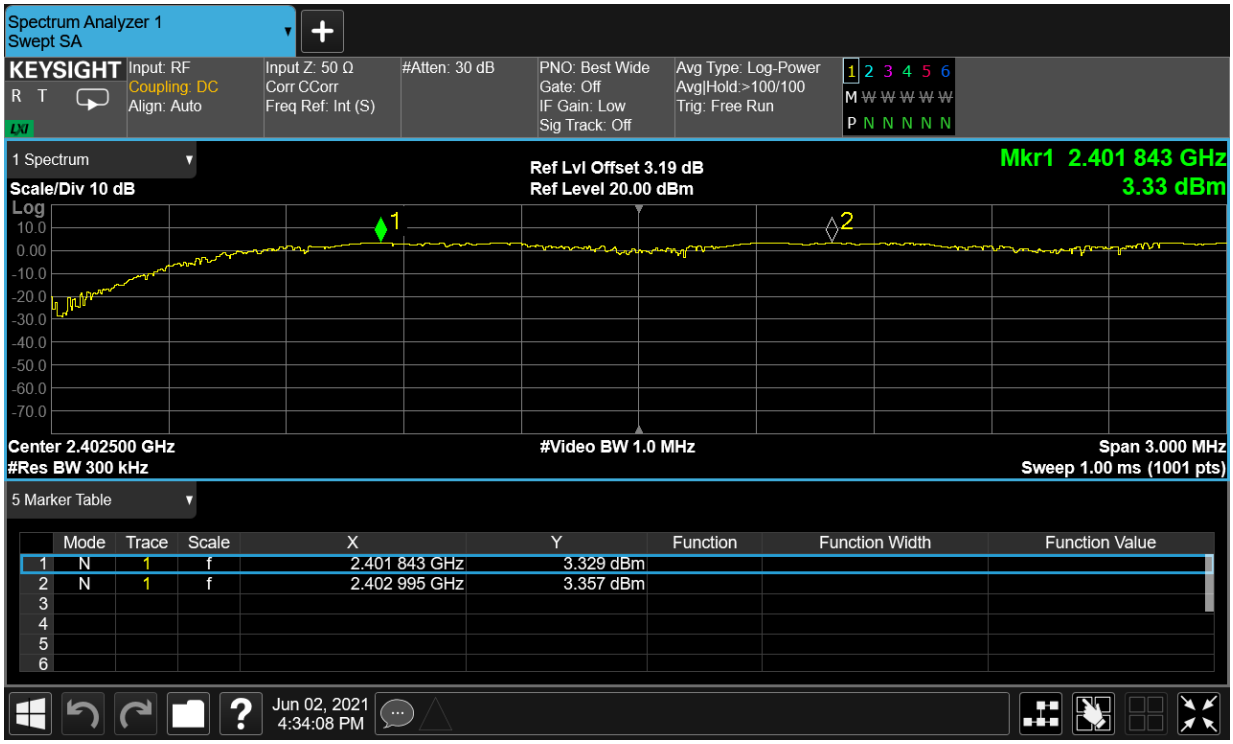
CFS NVNT 1-DH1 2441MHz Ant1



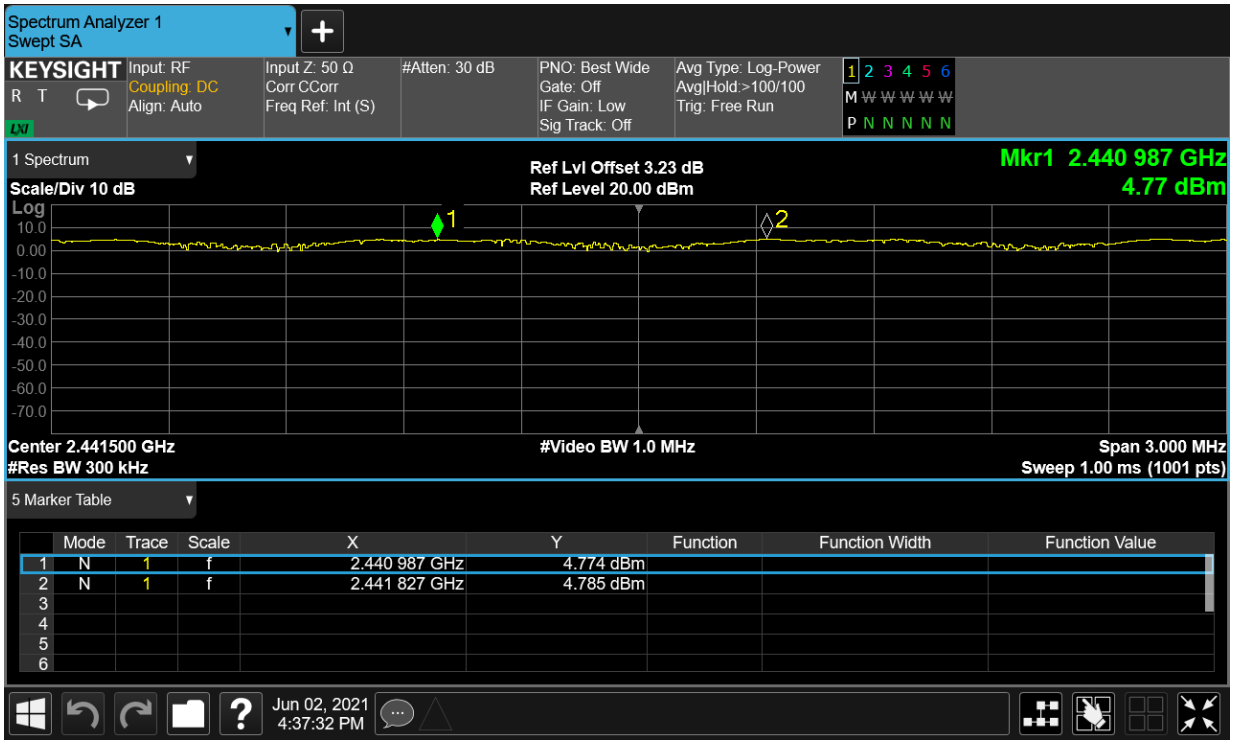
CFS NVNT 1-DH1 2480MHz Ant1



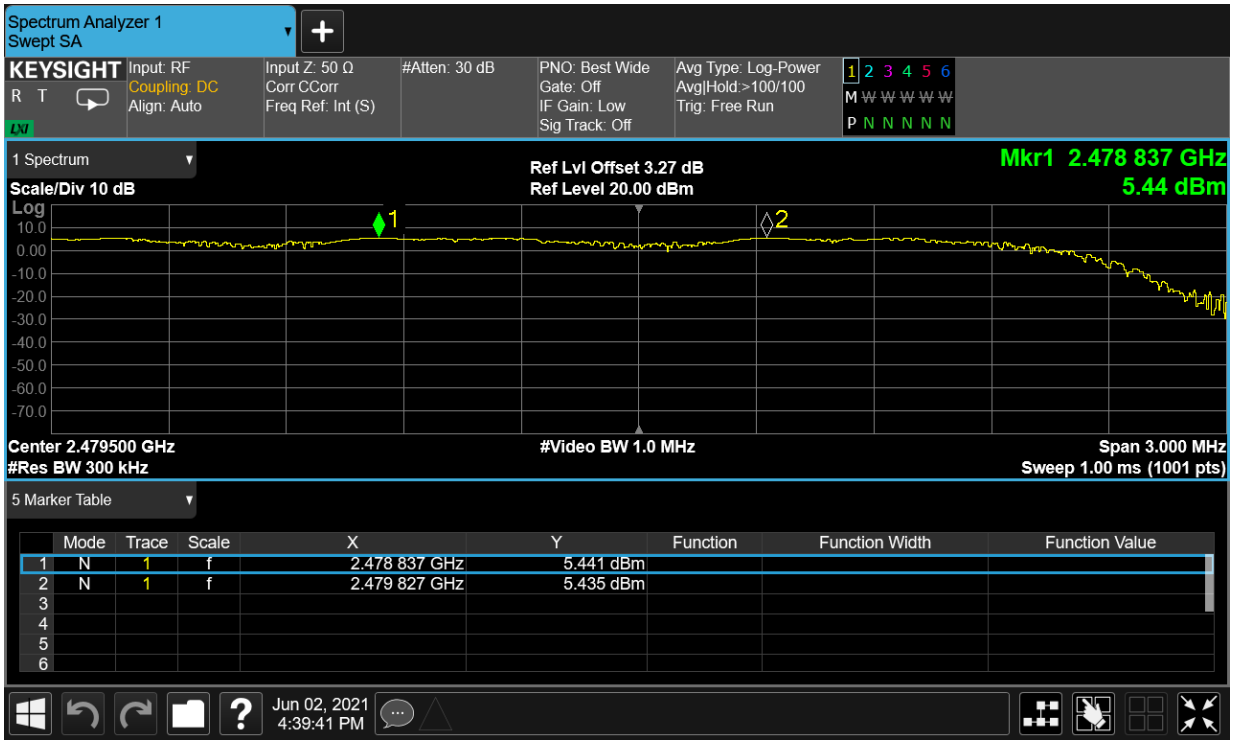
CFS NVNT 2-DH1 2402MHz Ant1



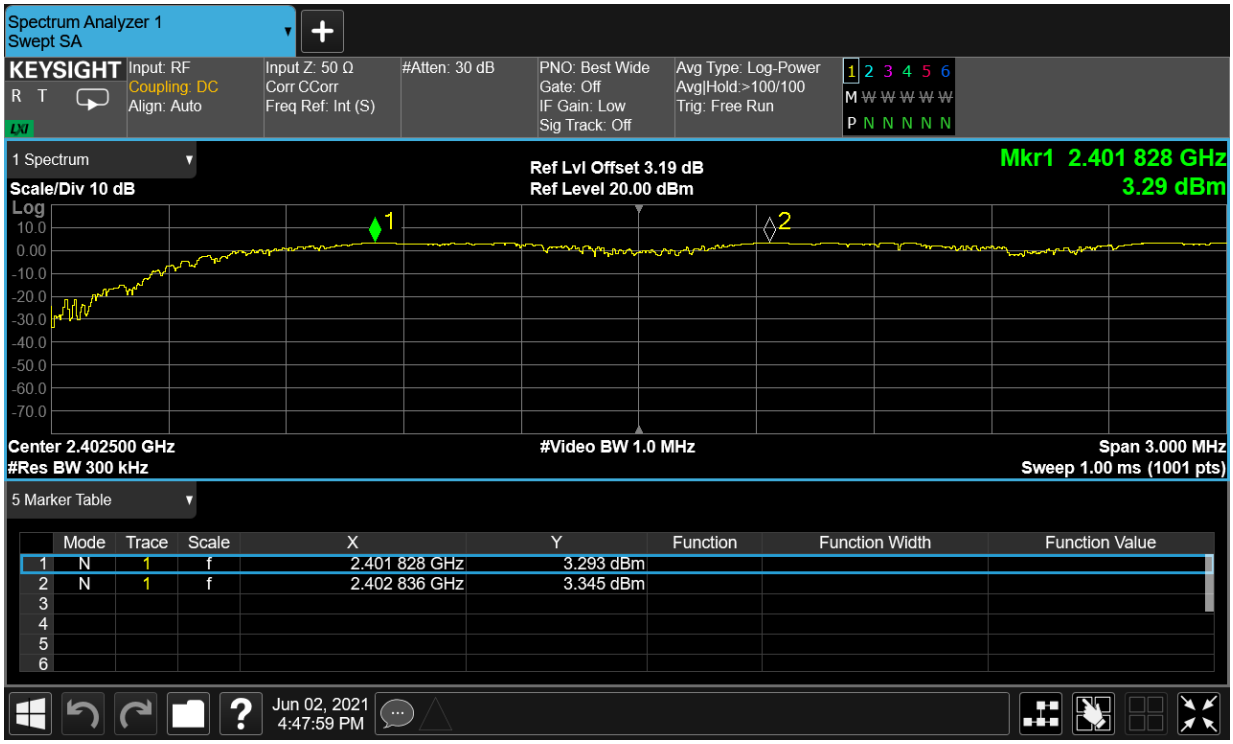
CFS NVNT 2-DH1 2441MHz Ant1



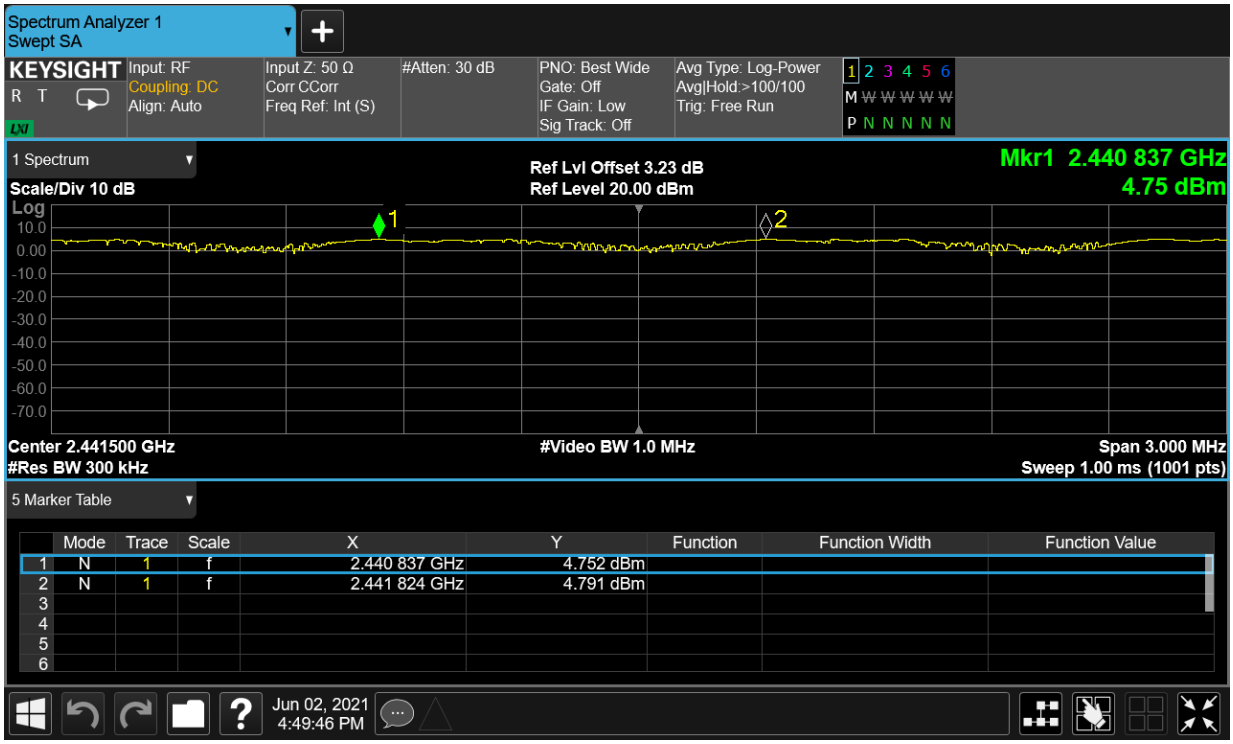
CFS NVNT 2-DH1 2480MHz Ant1



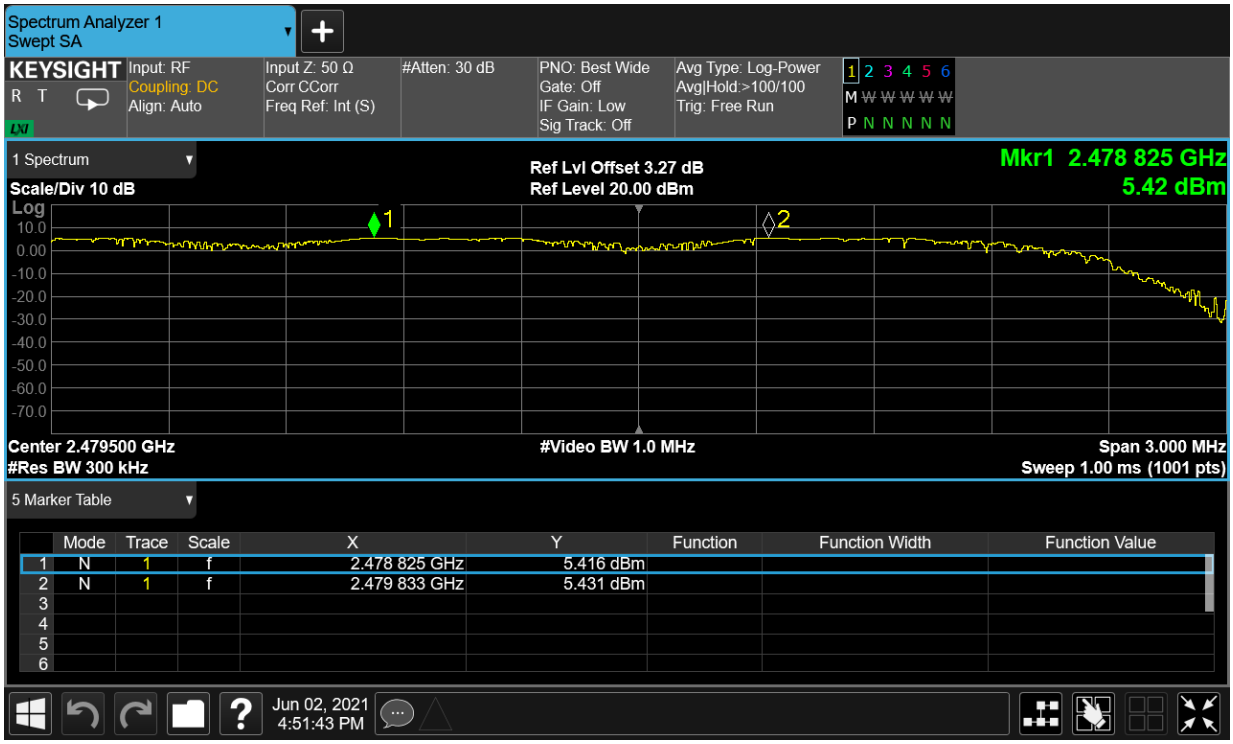
CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1



CFS NVNT 3-DH1 2480MHz Ant1

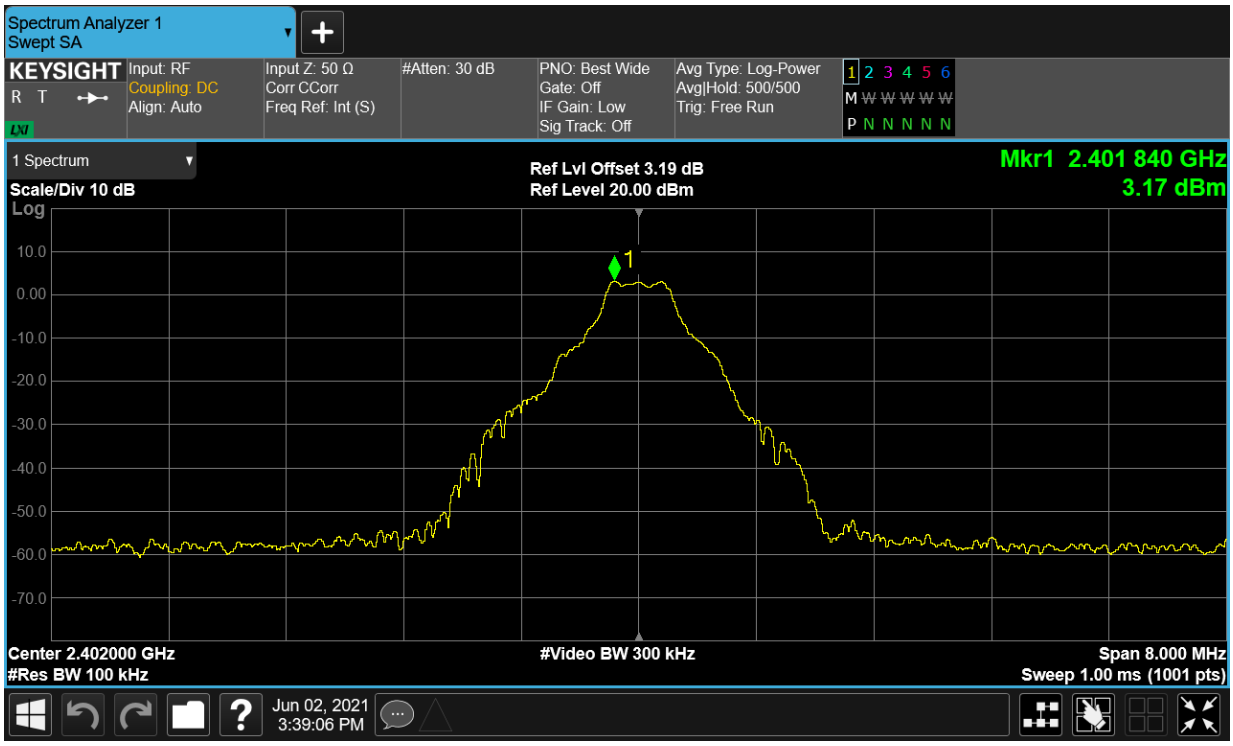


Band Edge

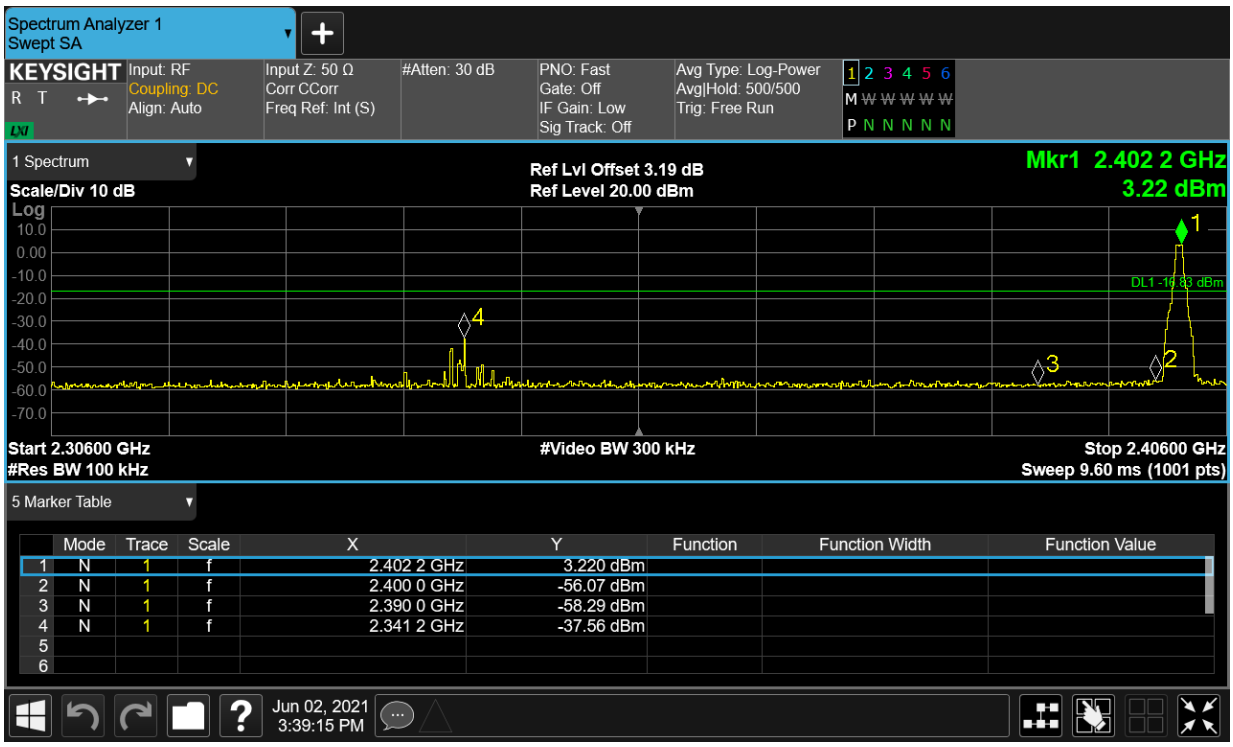
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-40.72	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-60.4	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-50.21	-20	Pass

NVNT	2-DH1	2480	Ant1	No-Hopping	-58.15	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-45.73	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-56.23	-20	Pass

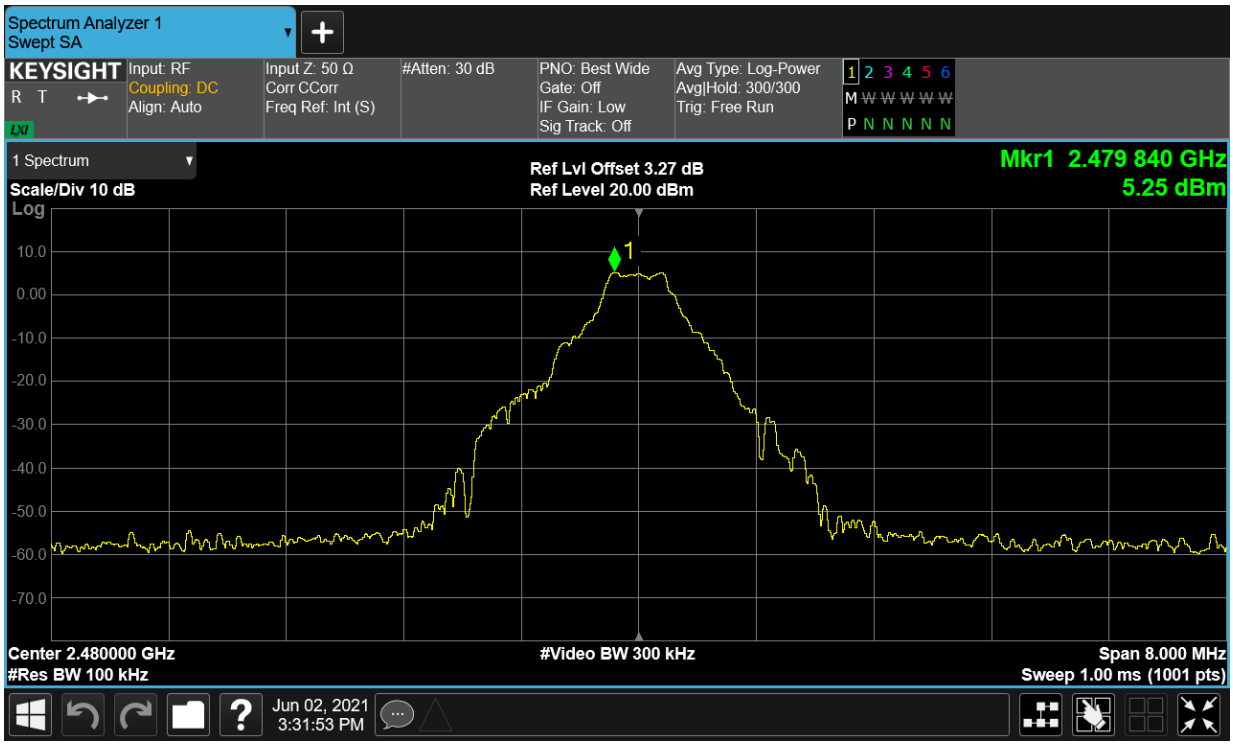
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



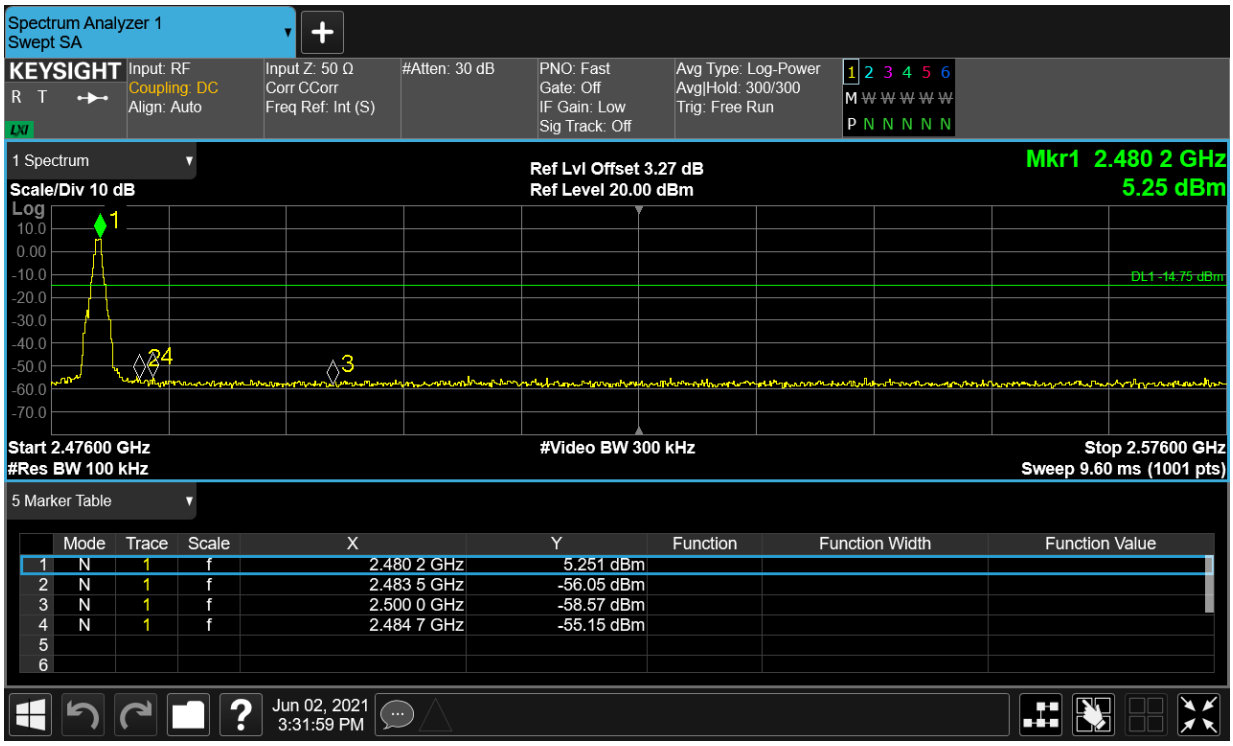
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



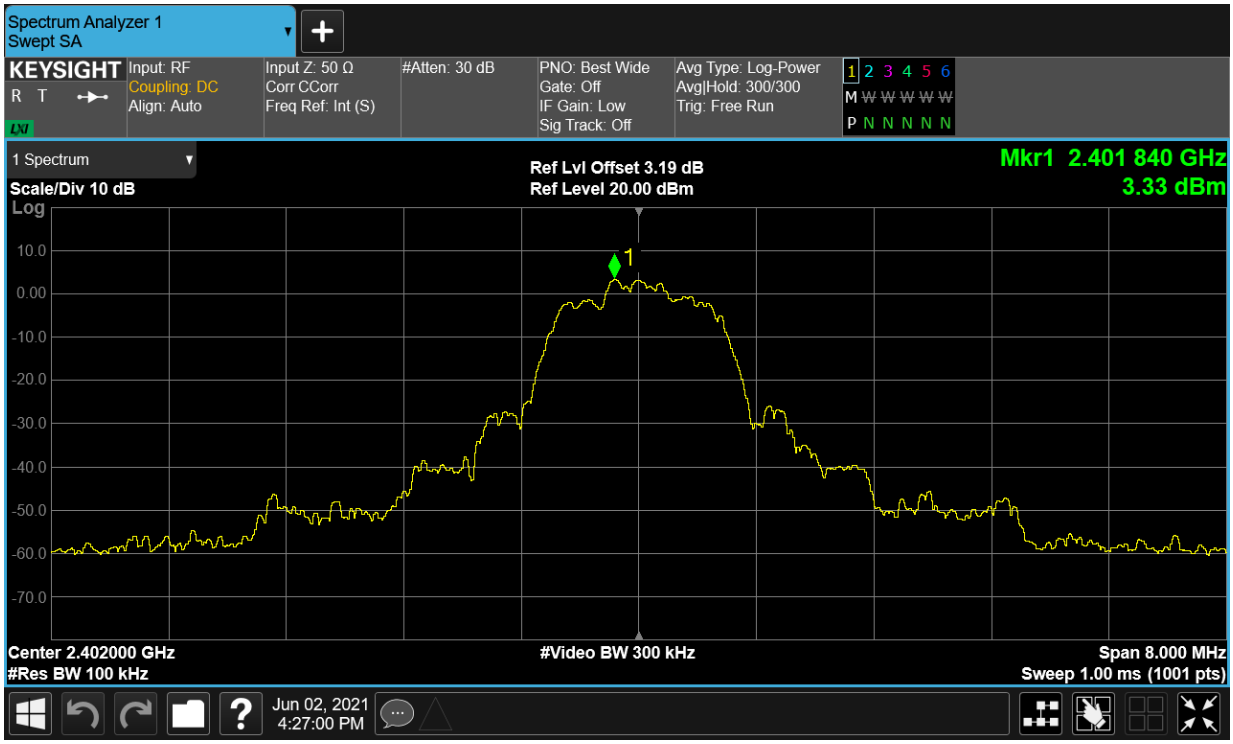
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



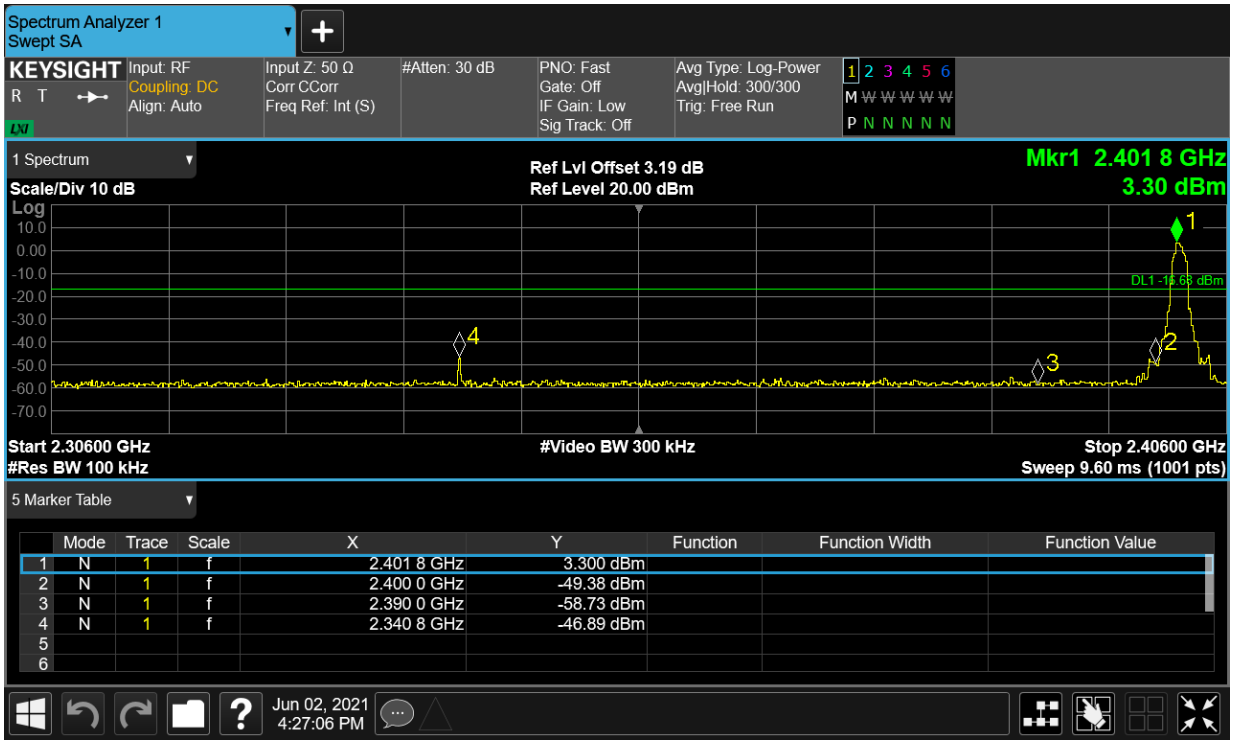
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



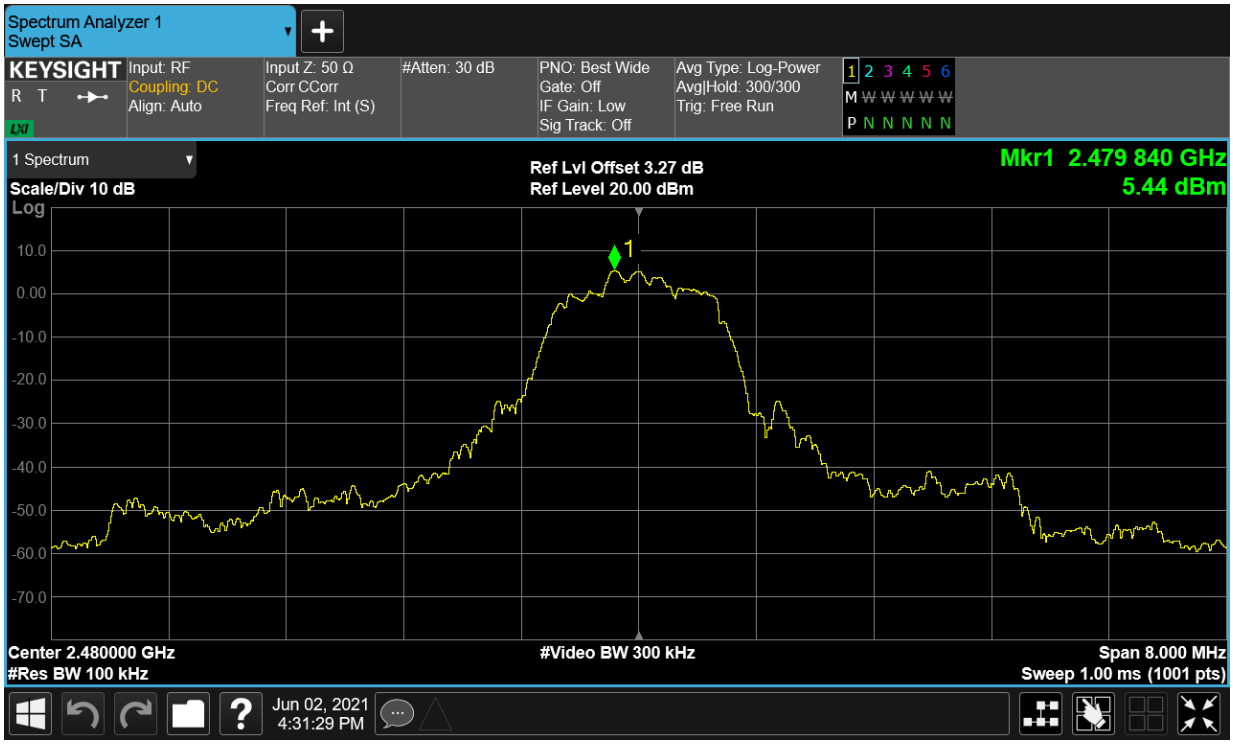
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



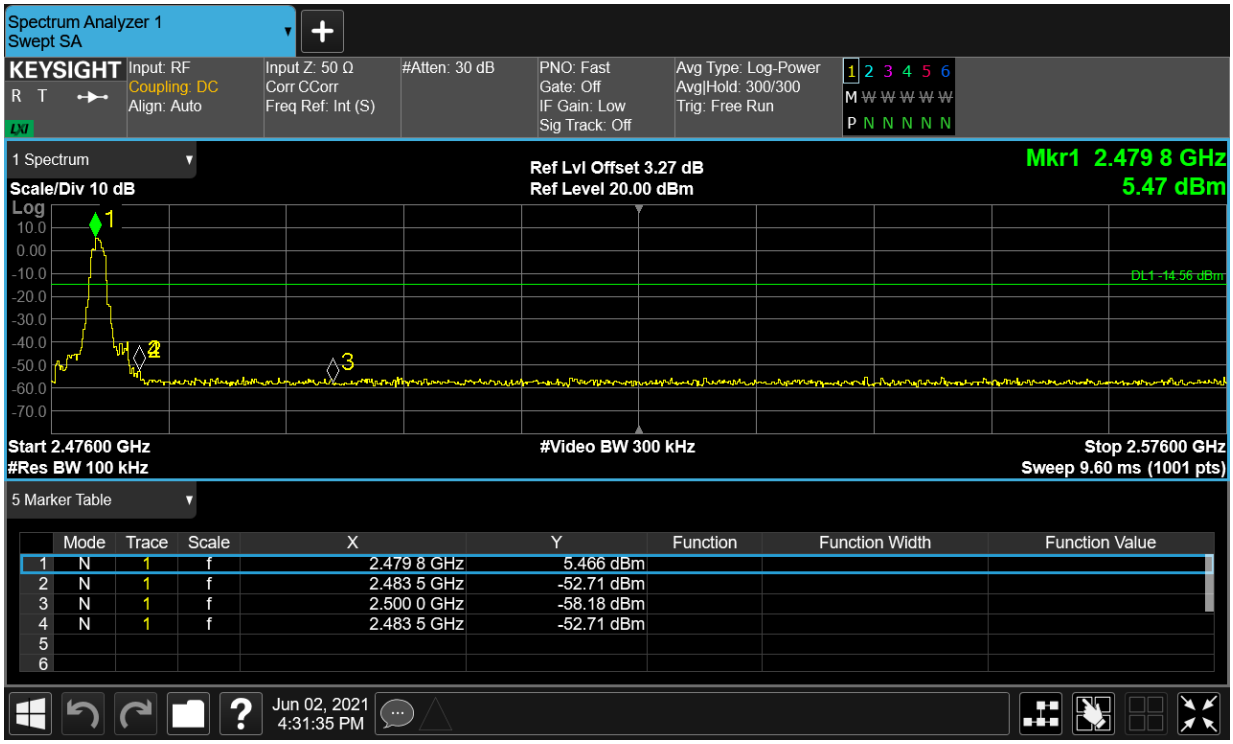
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



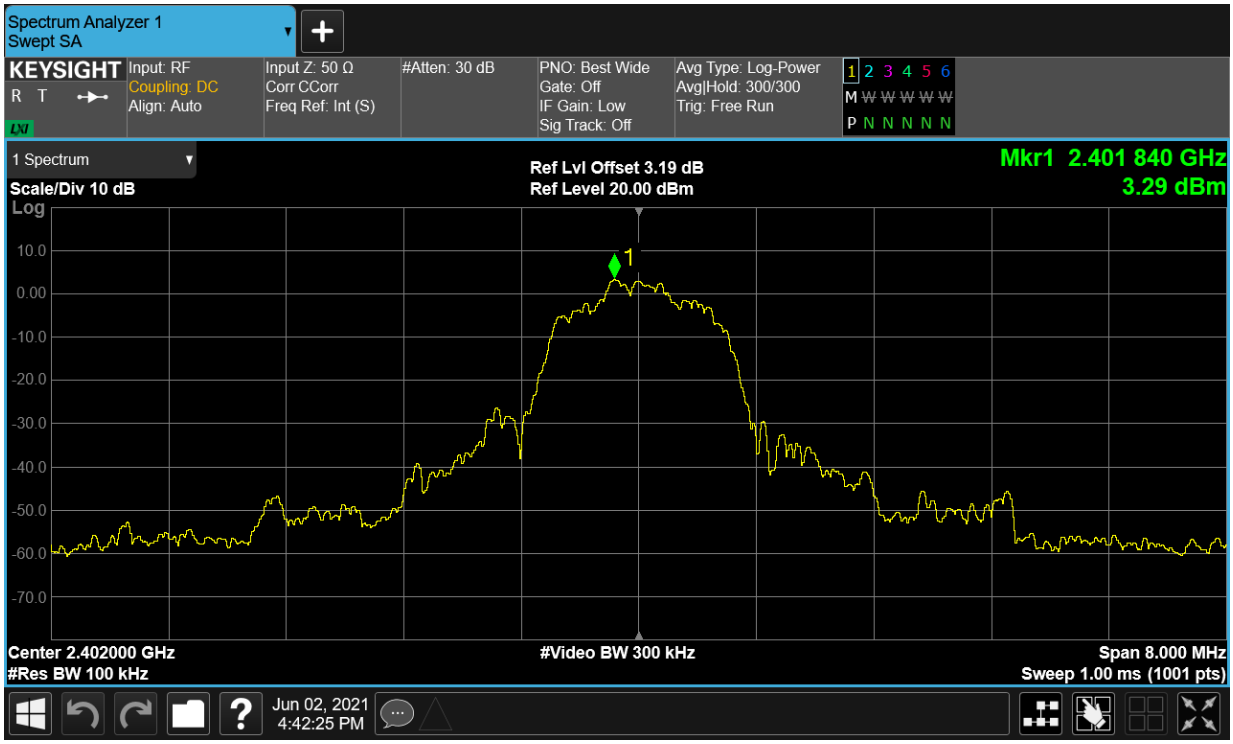
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



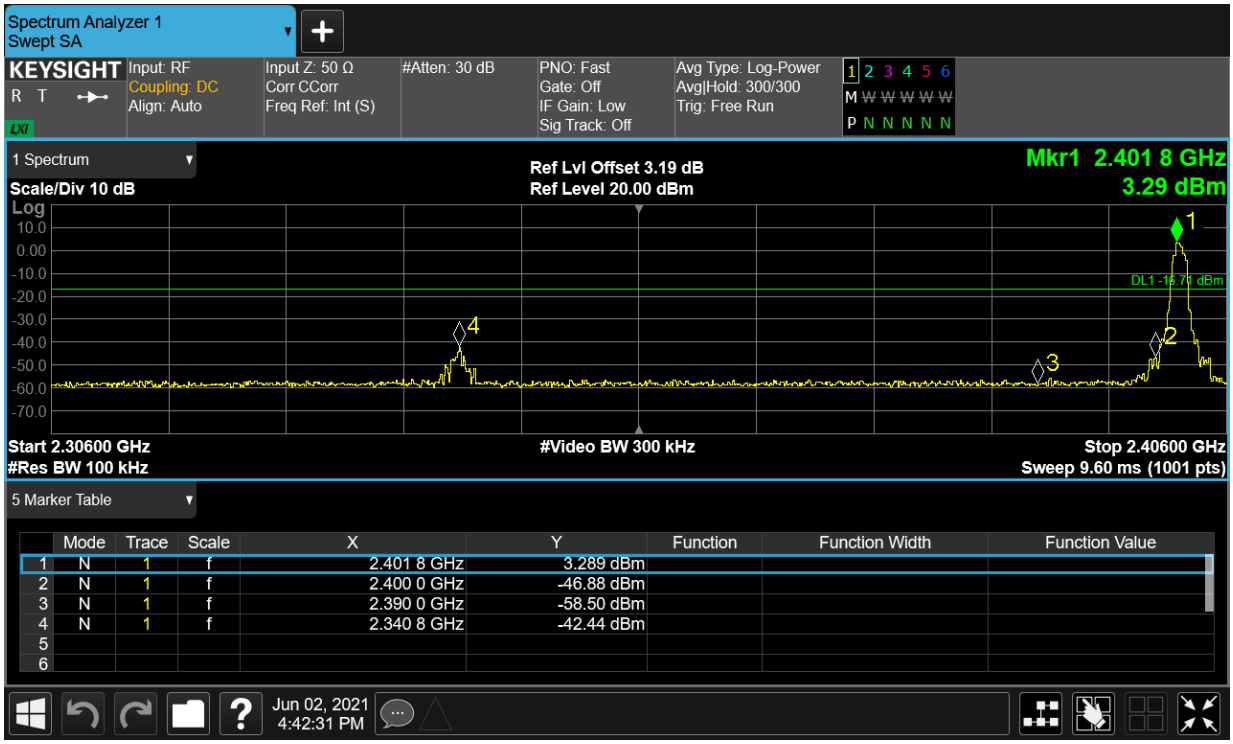
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



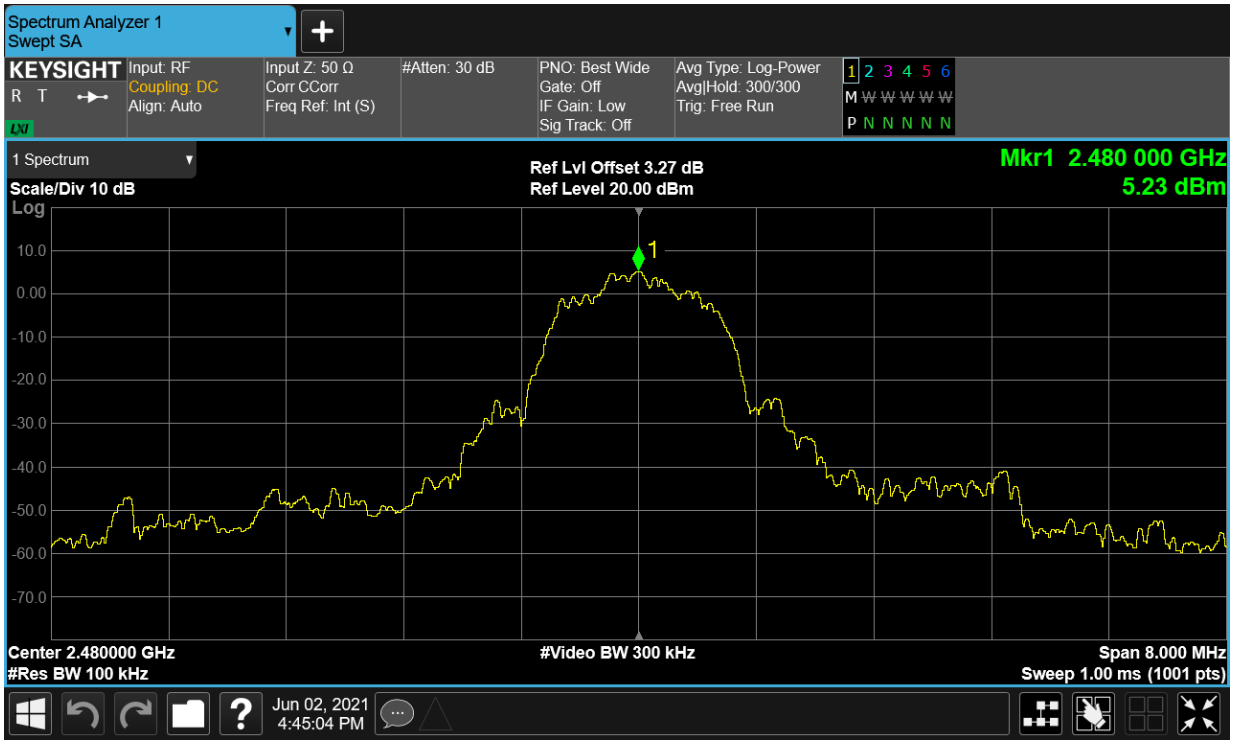
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



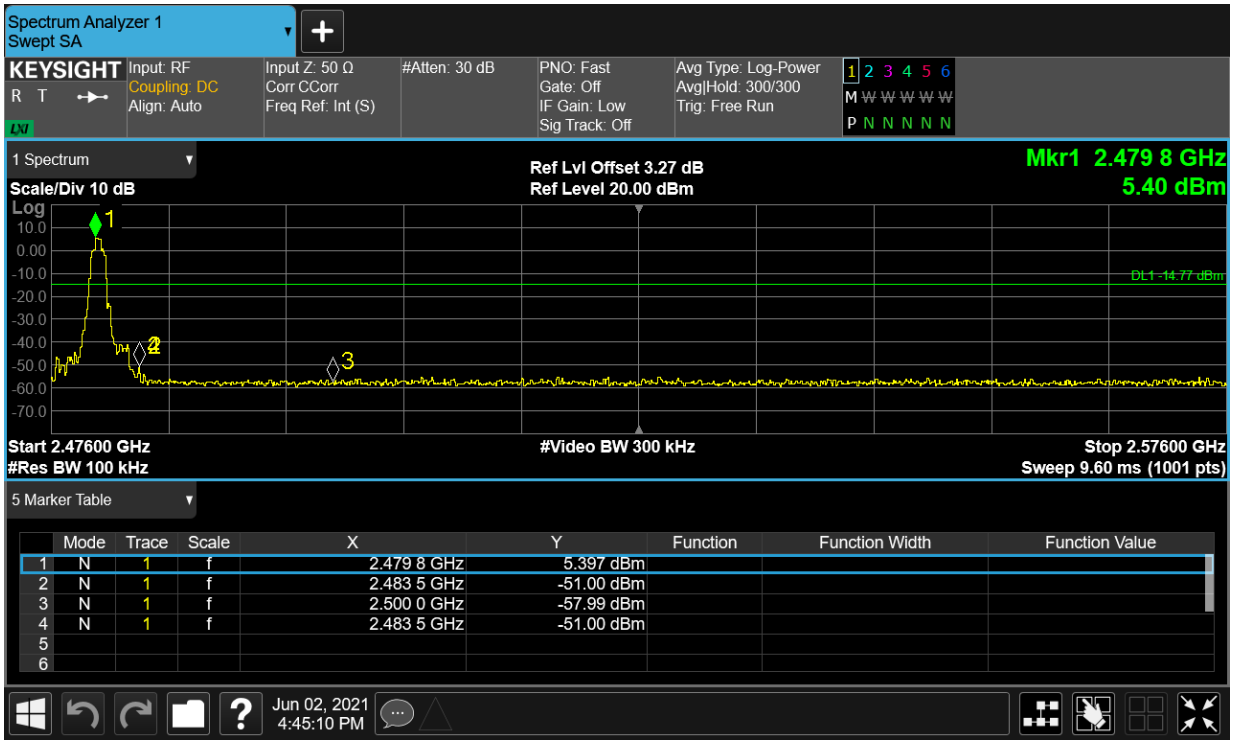
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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

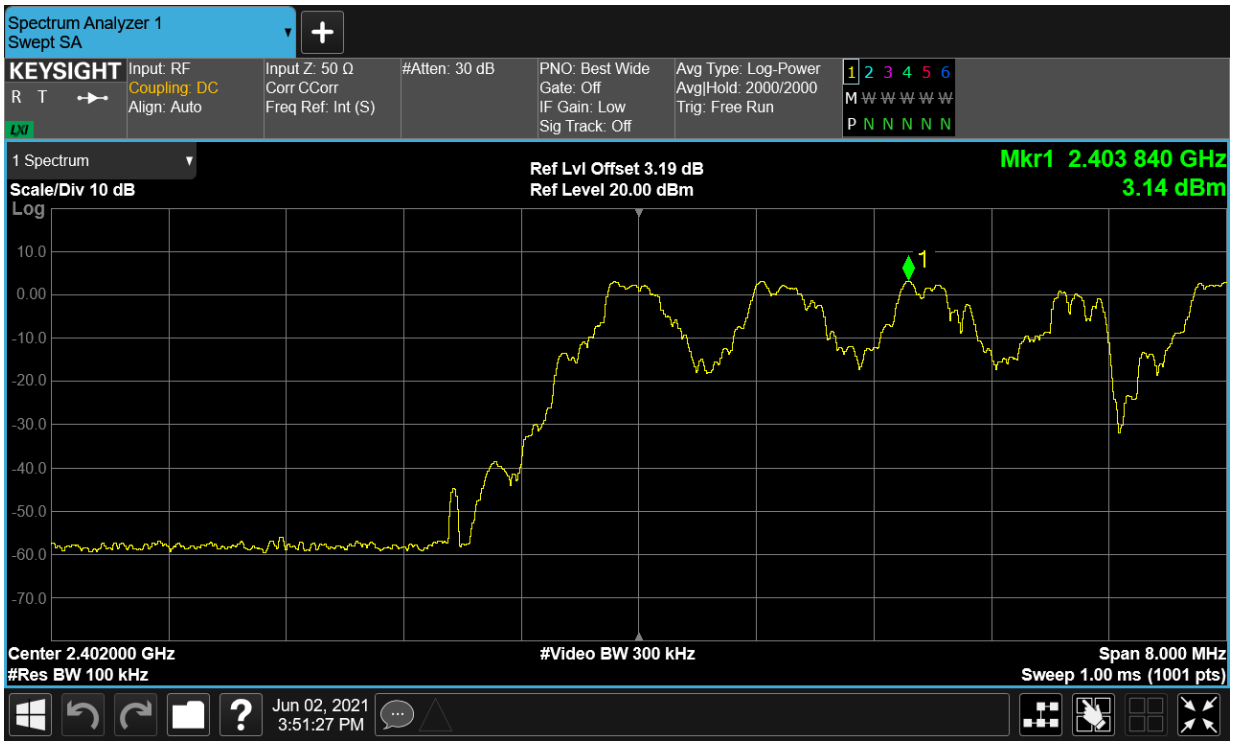


Band Edge(Hopping)

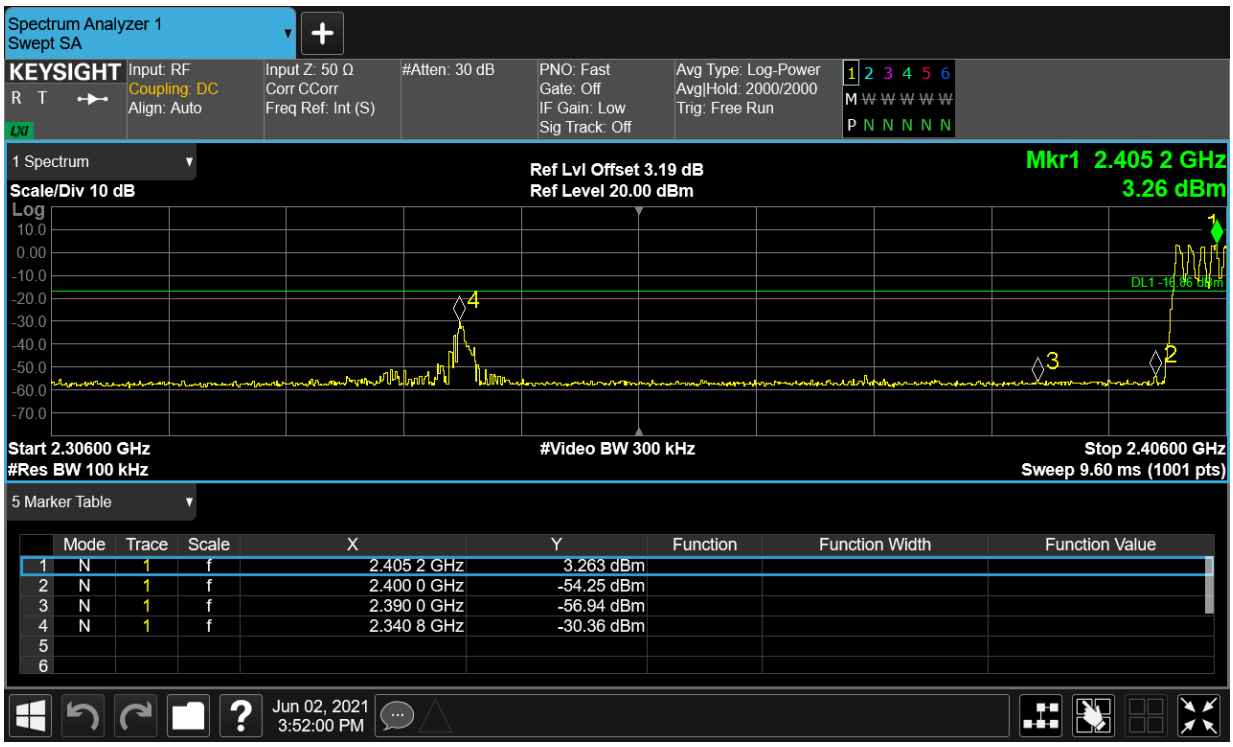
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-33.5	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-59.89	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-46.9	-20	Pass

NVNT	2-DH1	2480	Ant1	Hopping	-59.98	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-44.42	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-60.51	-20	Pass

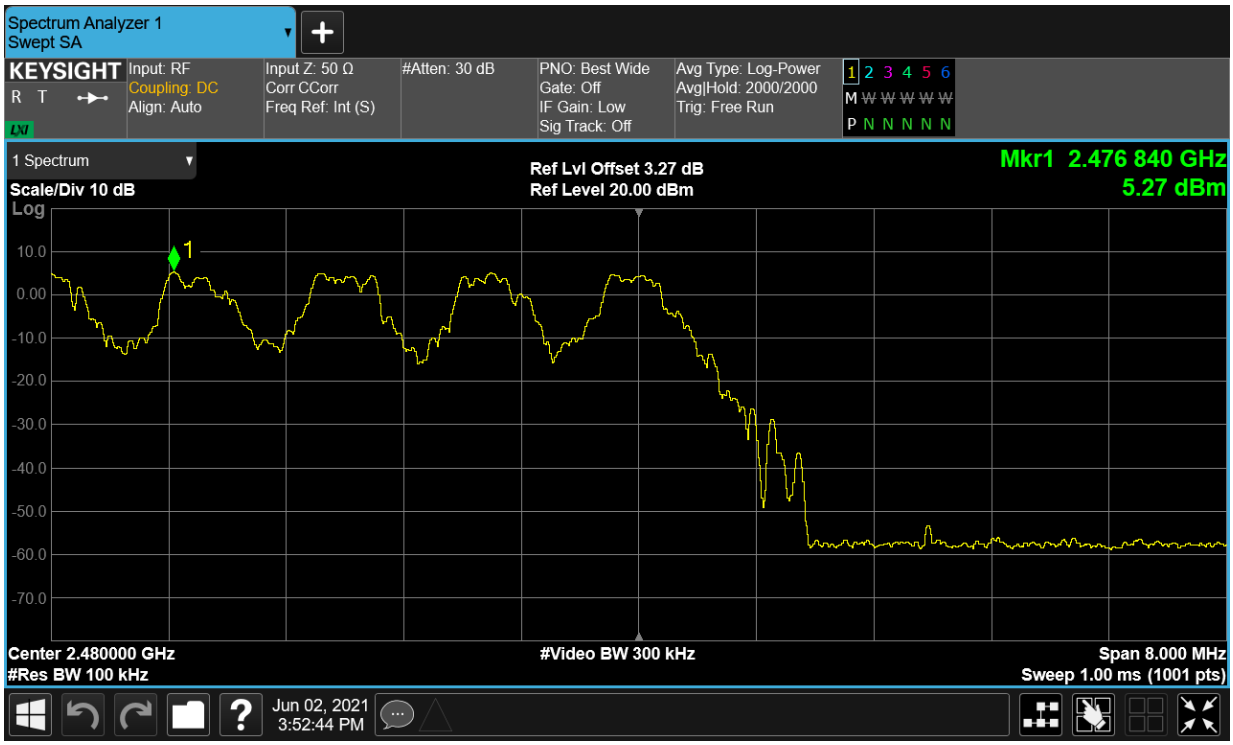
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



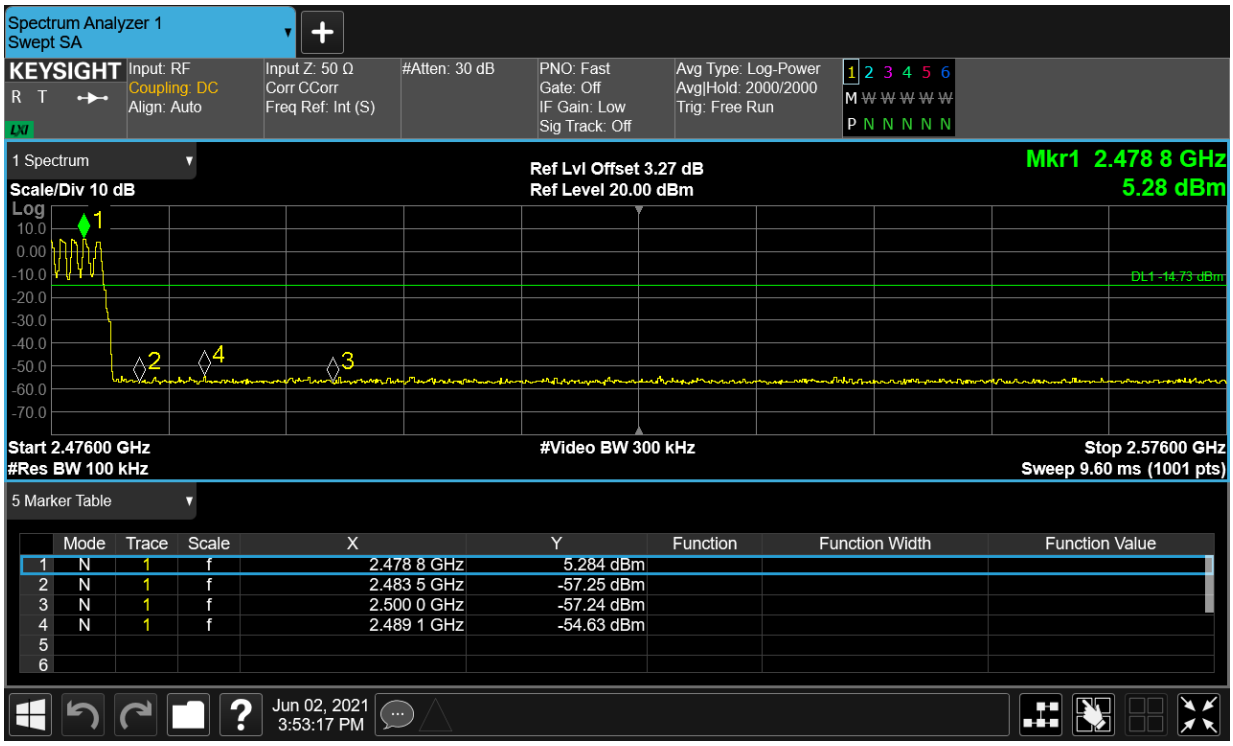
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



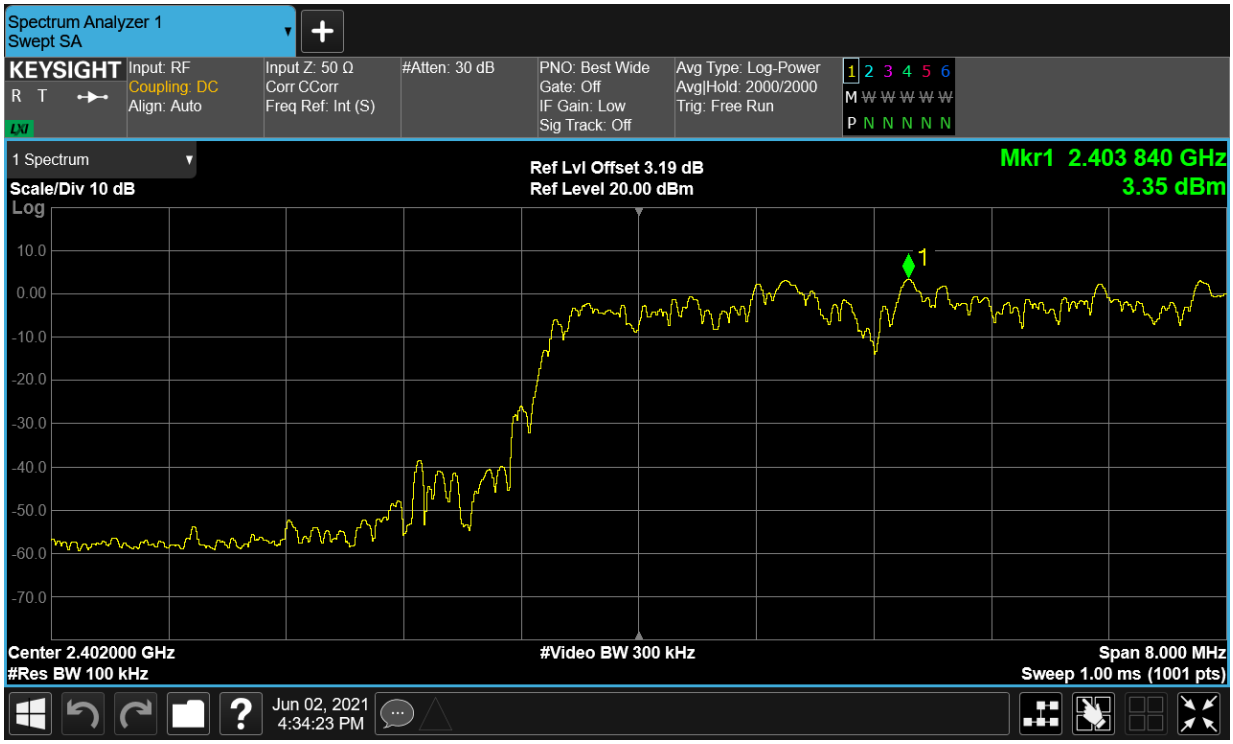
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



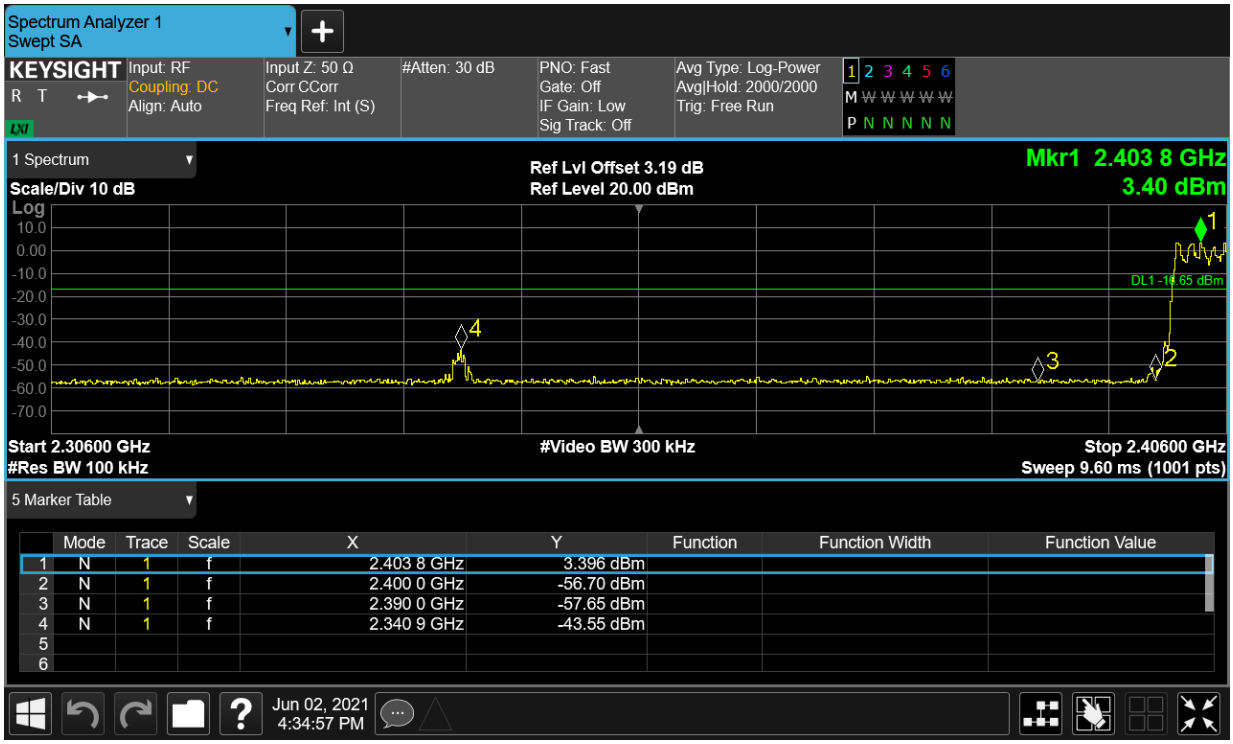
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



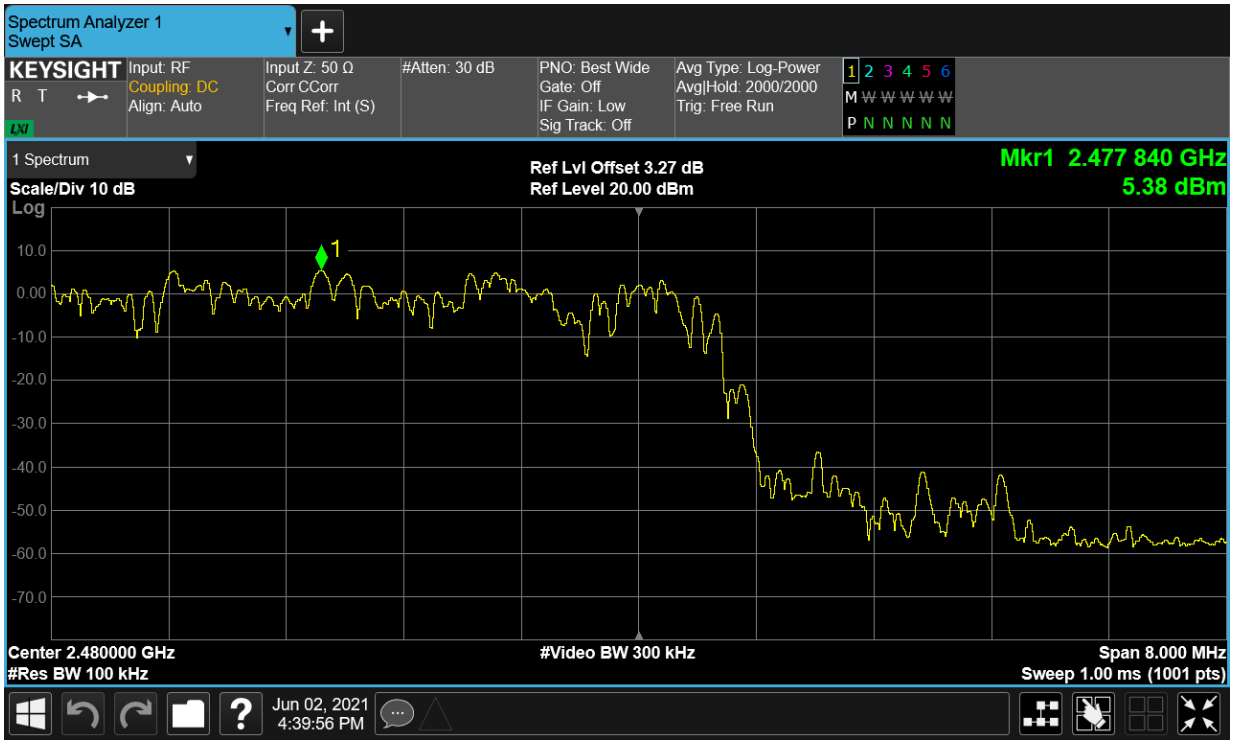
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



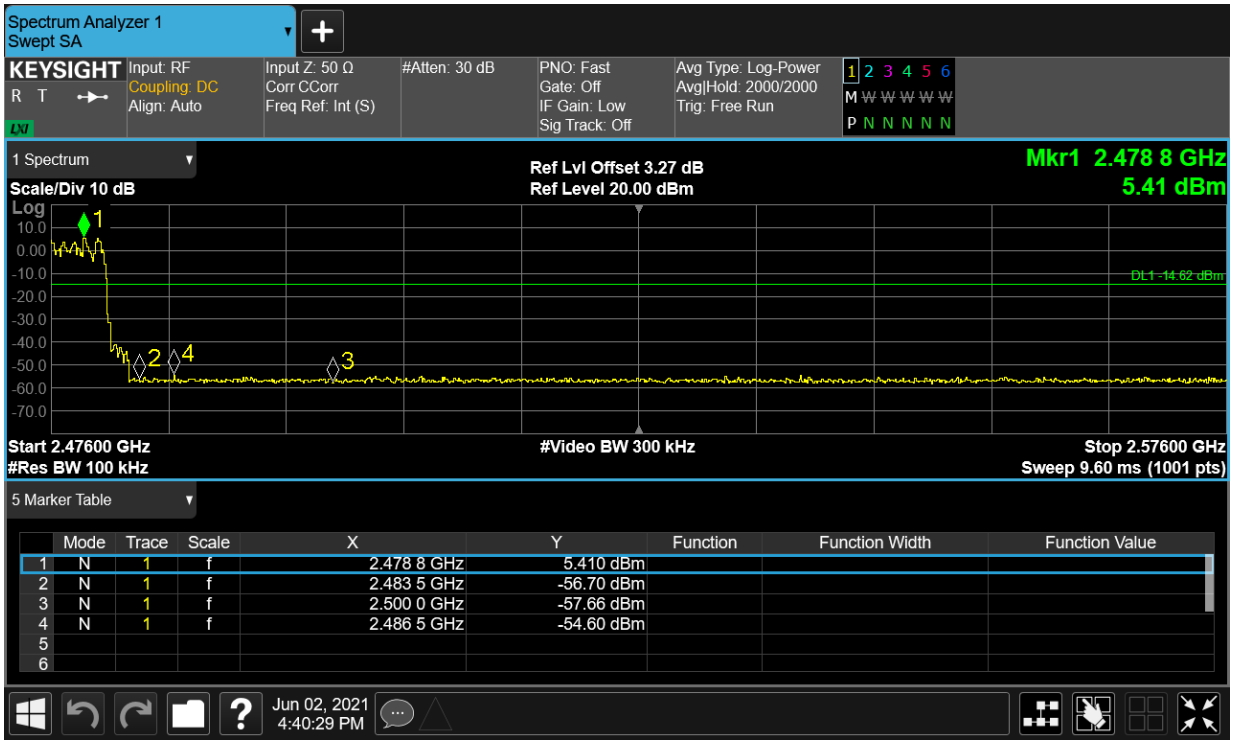
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



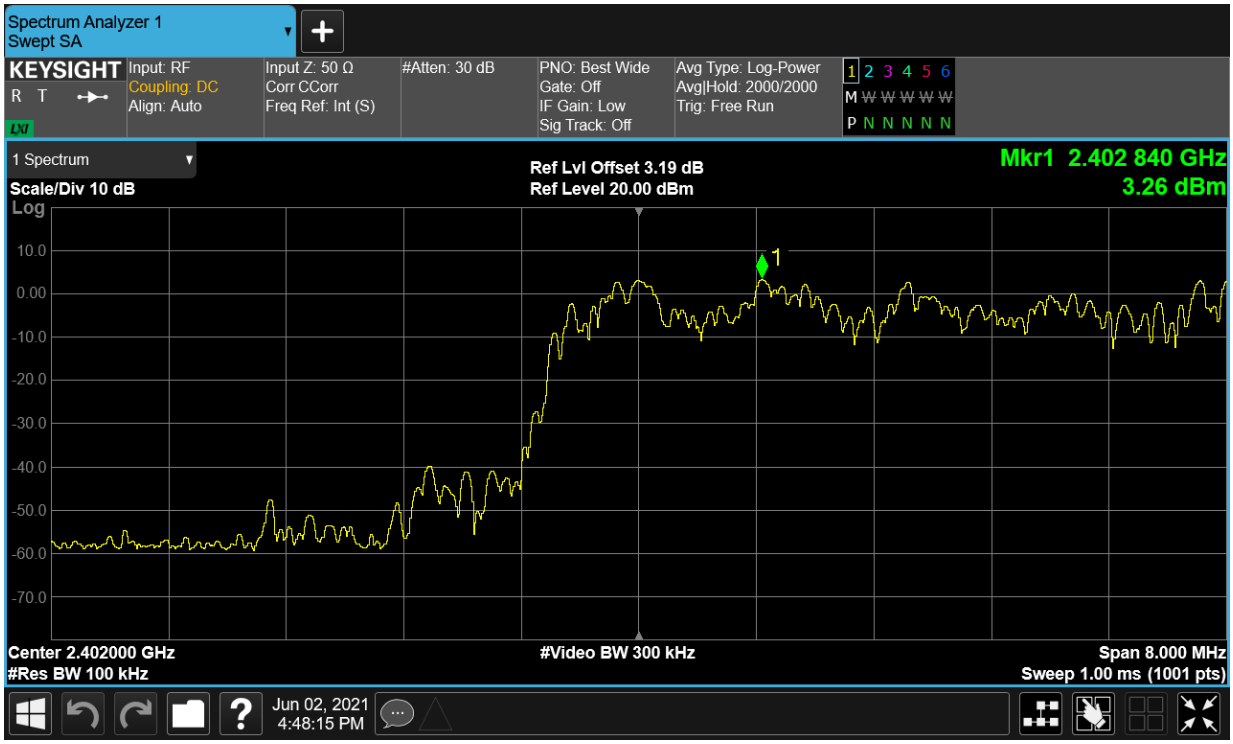
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



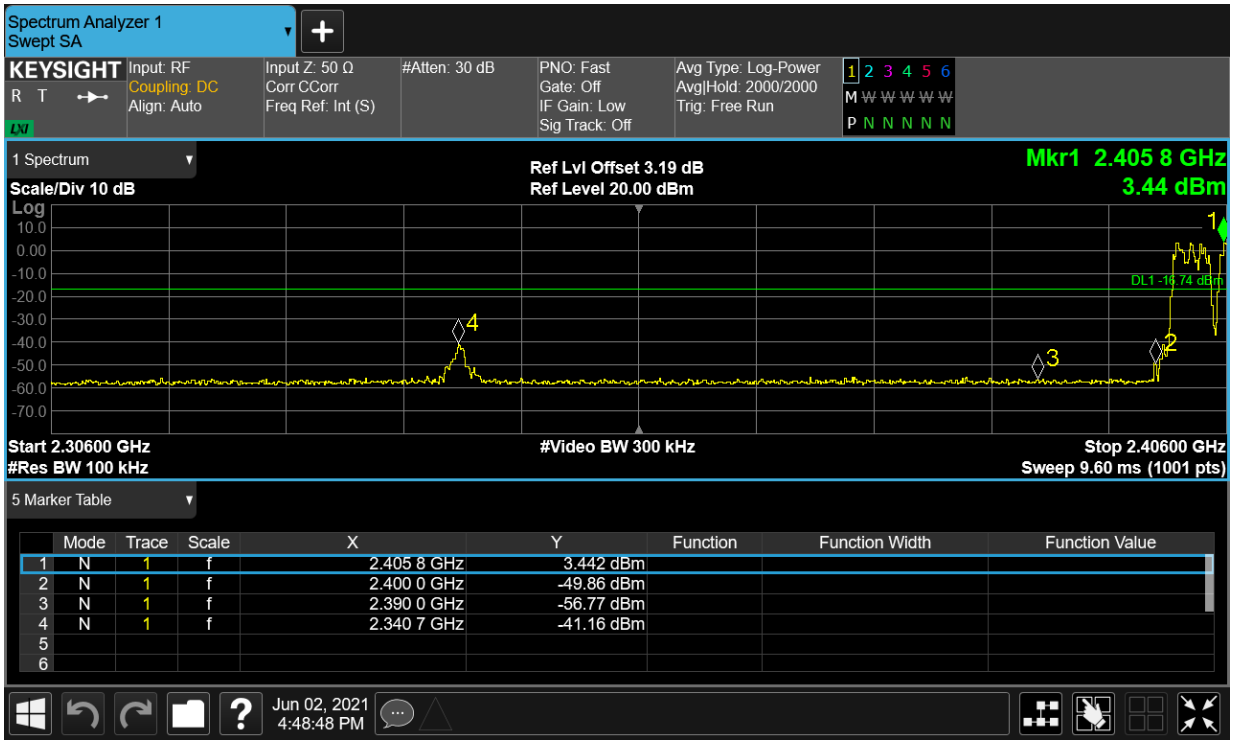
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



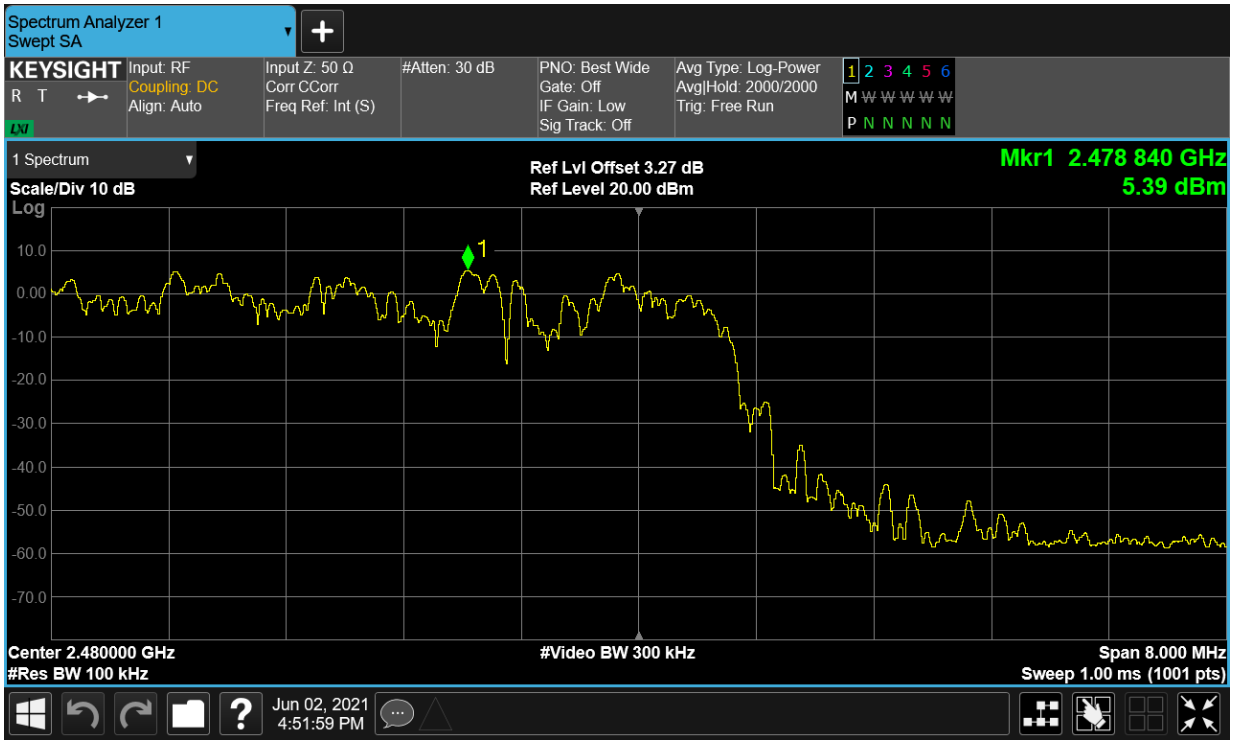
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



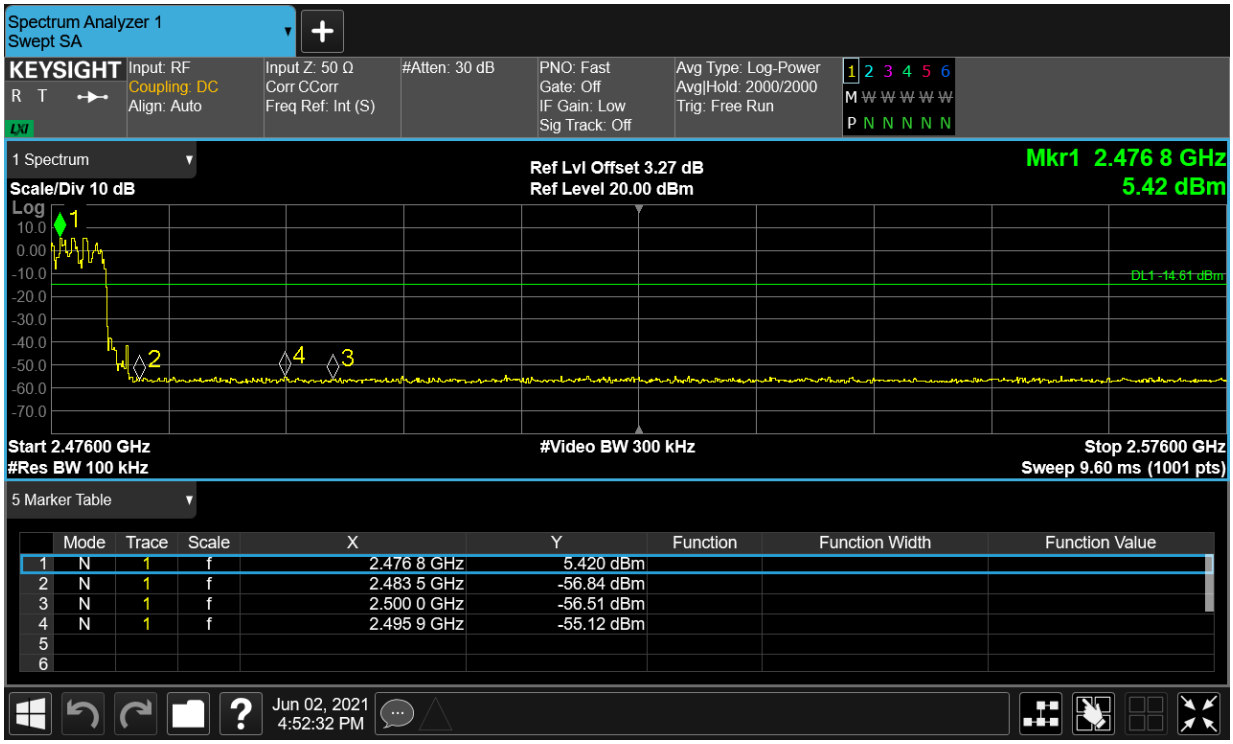
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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

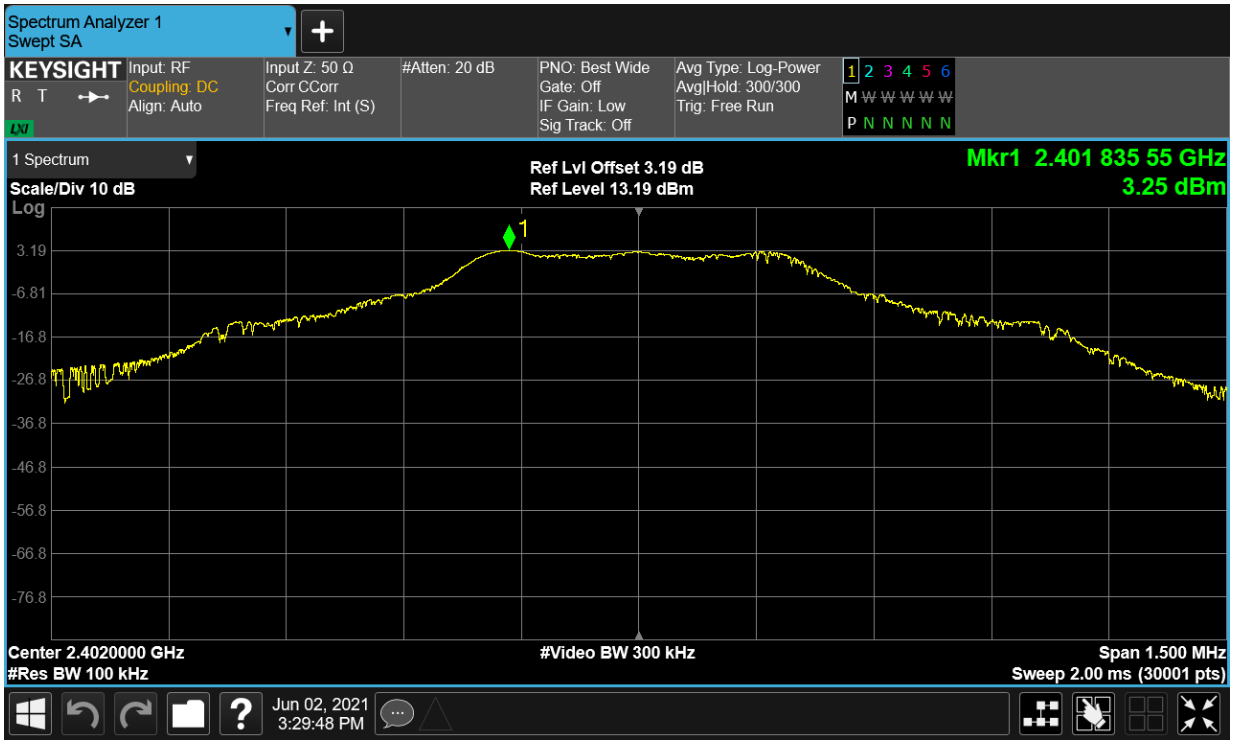


Conducted RF Spurious Emission

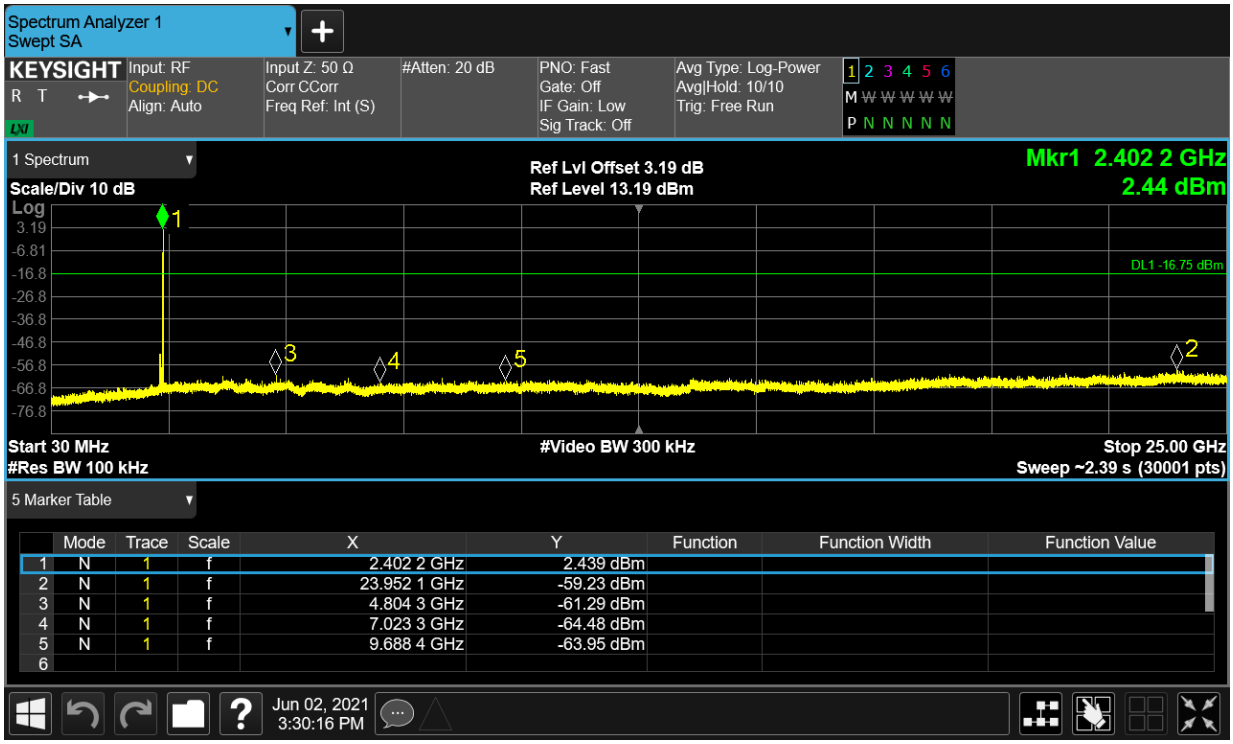
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-62.47	-20	Pass
NVNT	1-DH1	2441	Ant1	-64.12	-20	Pass
NVNT	1-DH1	2480	Ant1	-64.71	-20	Pass

NVNT	2-DH1	2402	Ant1	-62.84	-20	Pass
NVNT	2-DH1	2441	Ant1	-64.06	-20	Pass
NVNT	2-DH1	2480	Ant1	-63.38	-20	Pass
NVNT	3-DH1	2402	Ant1	-62.58	-20	Pass
NVNT	3-DH1	2441	Ant1	-63.94	-20	Pass
NVNT	3-DH1	2480	Ant1	-63.92	-20	Pass

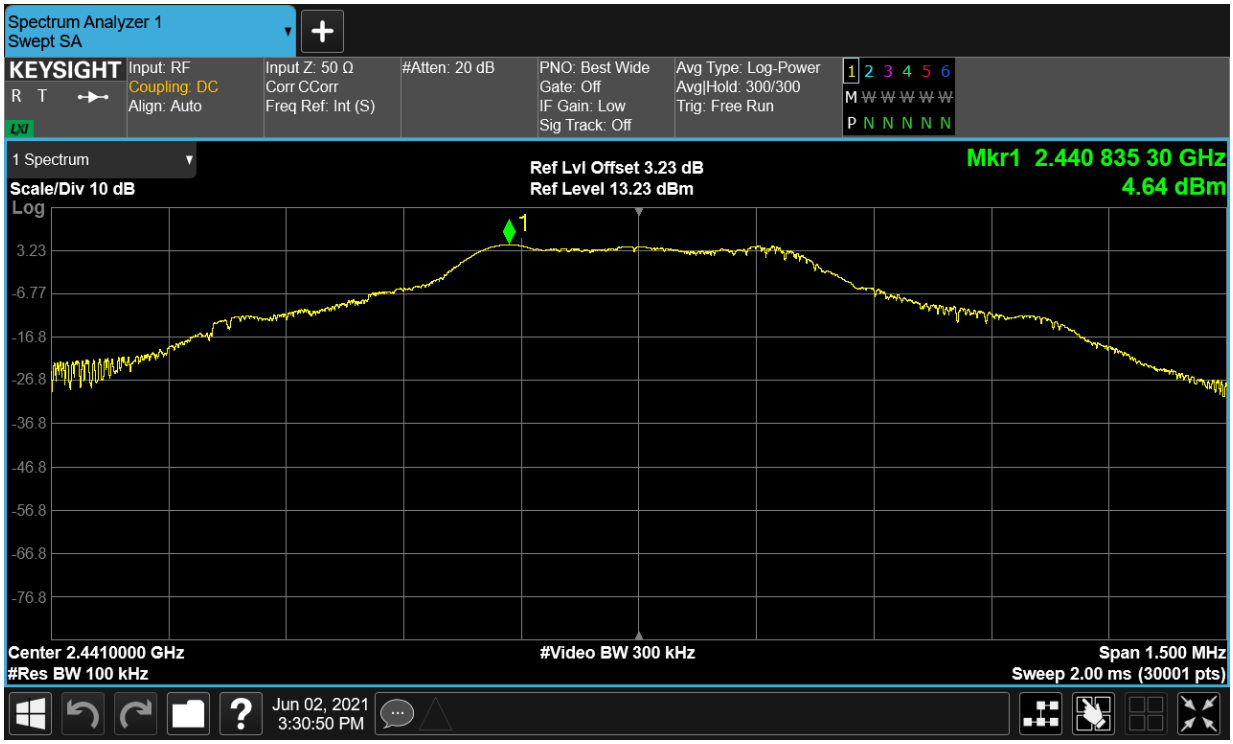
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



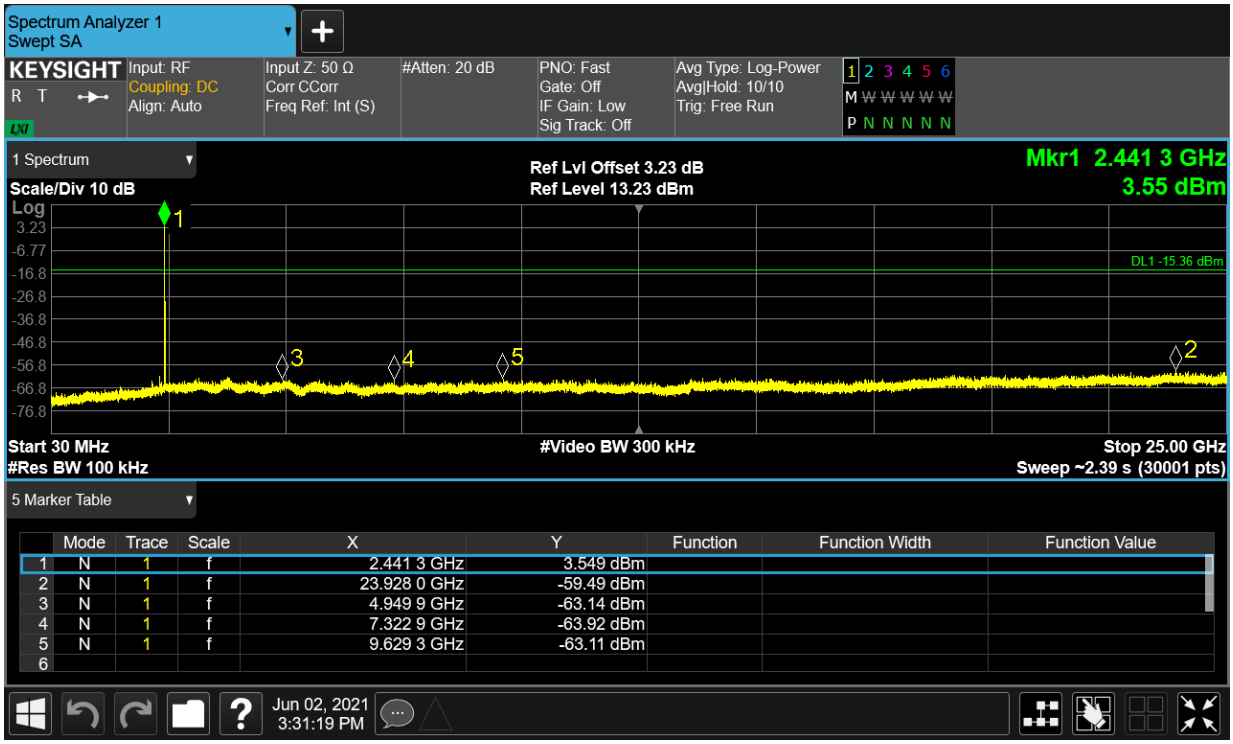
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



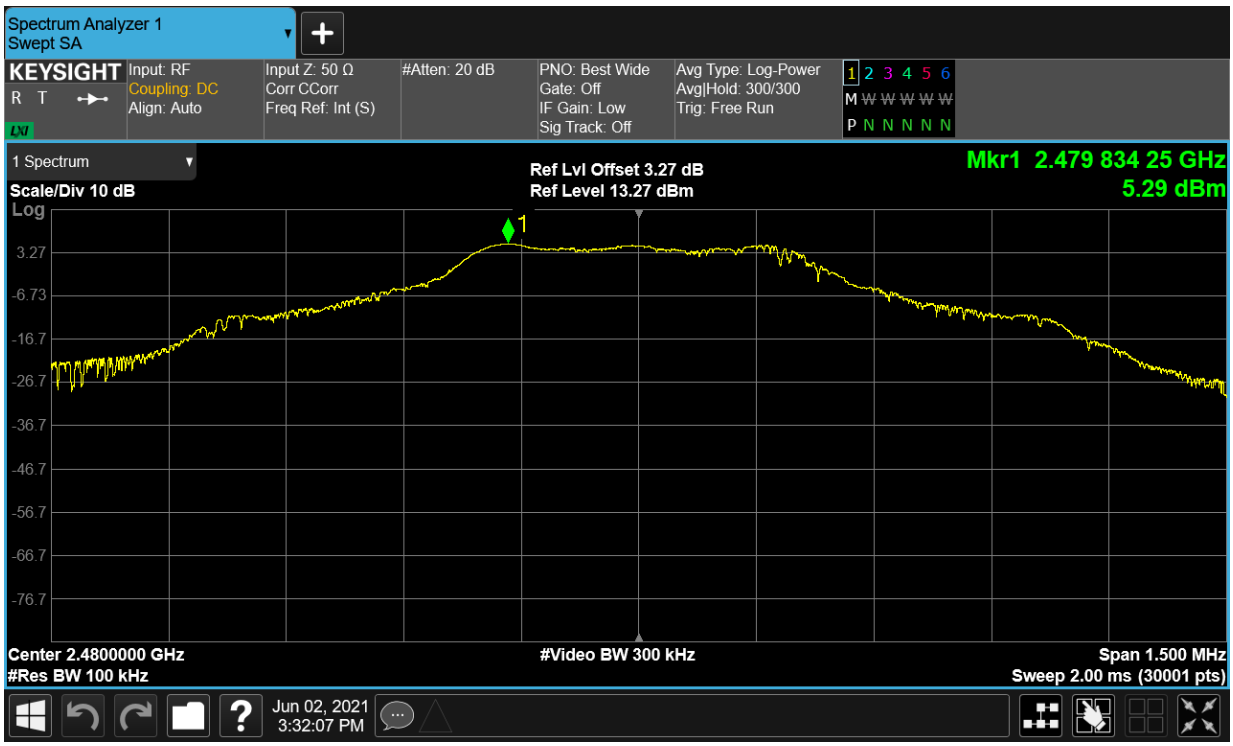
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



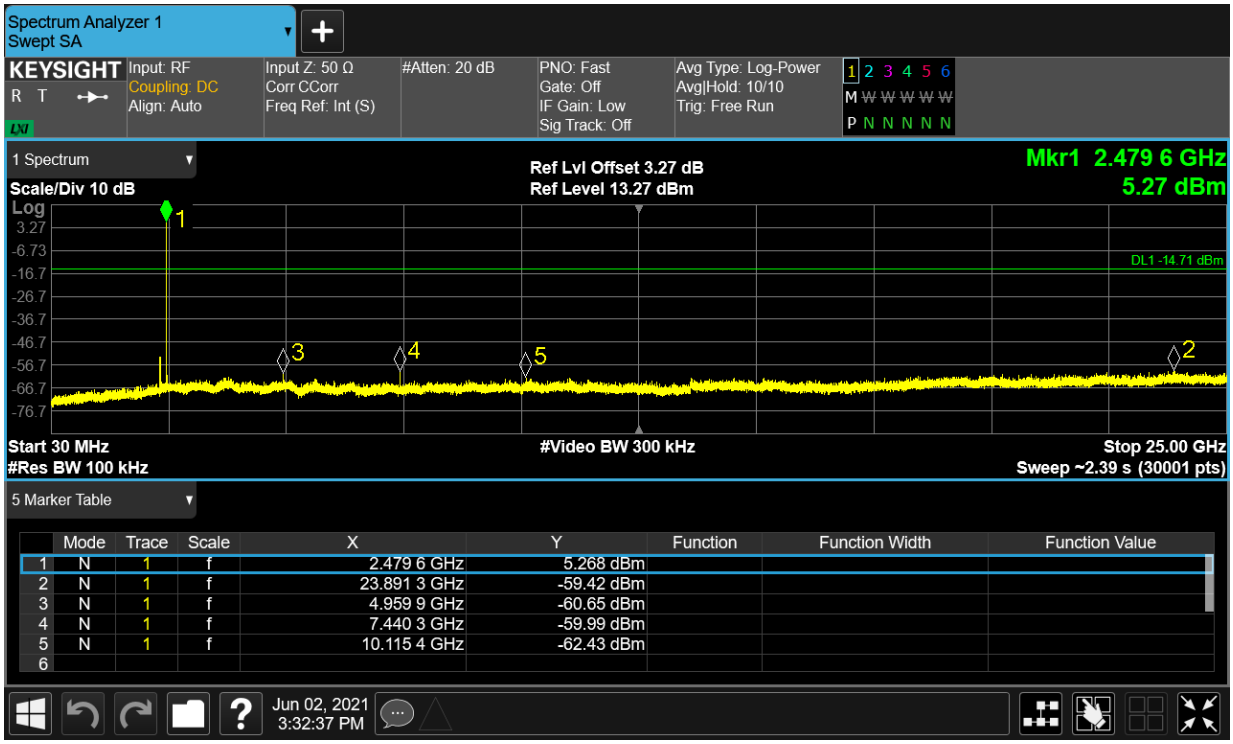
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



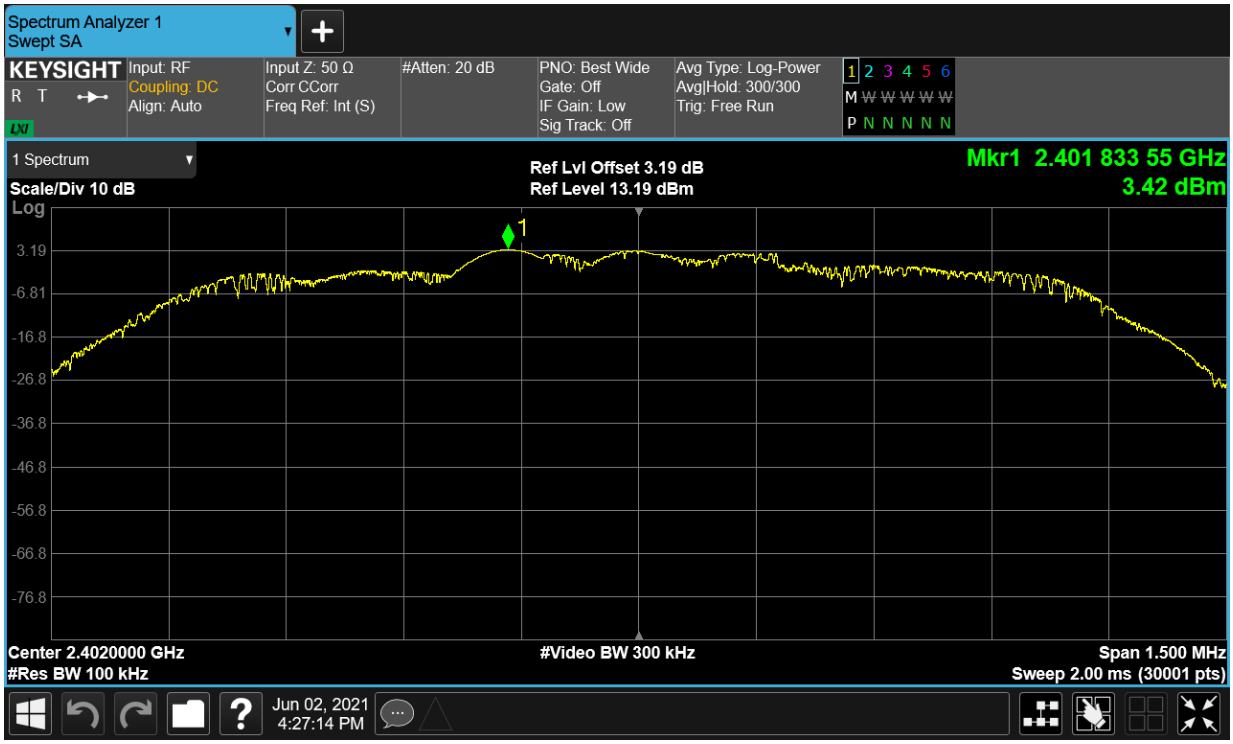
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



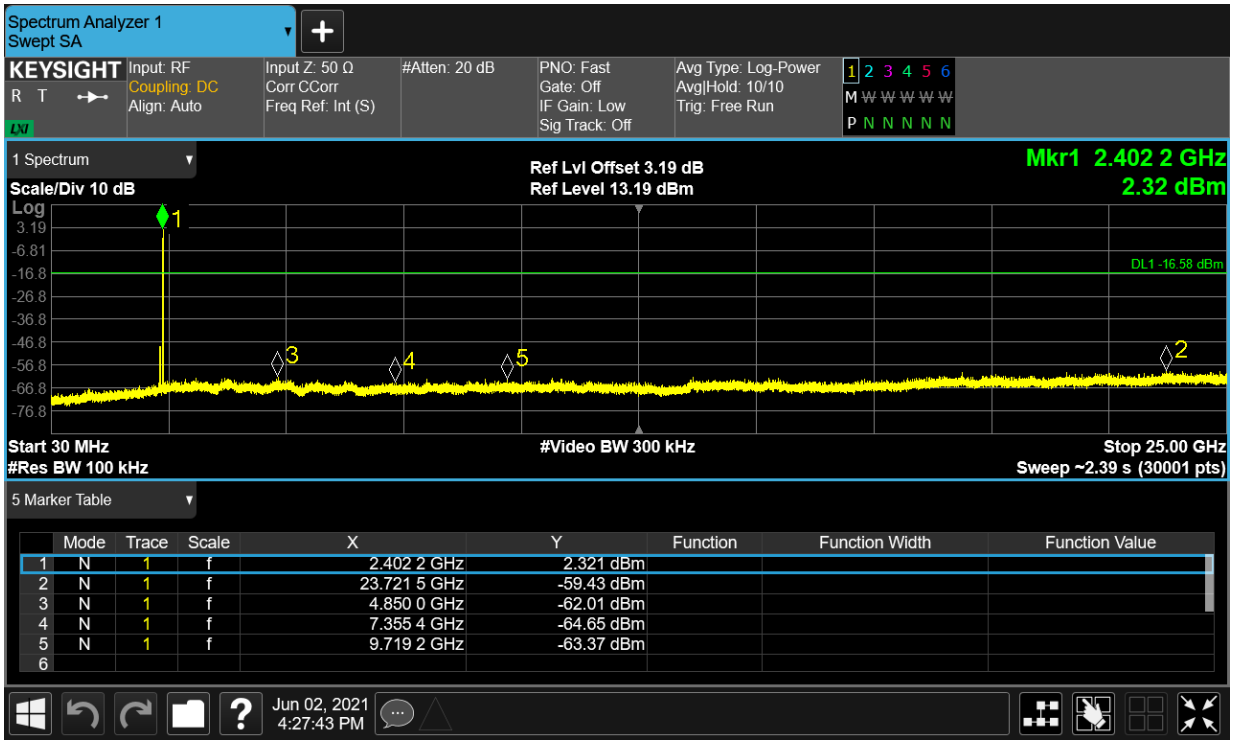
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



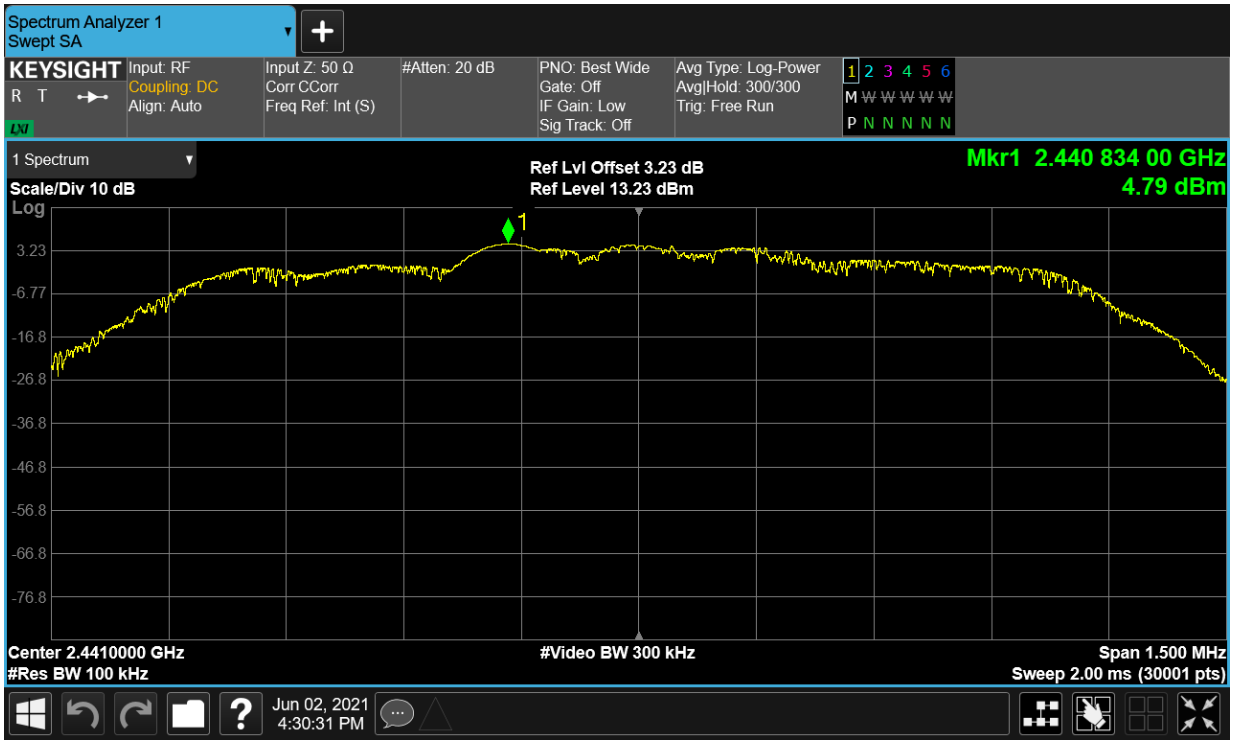
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



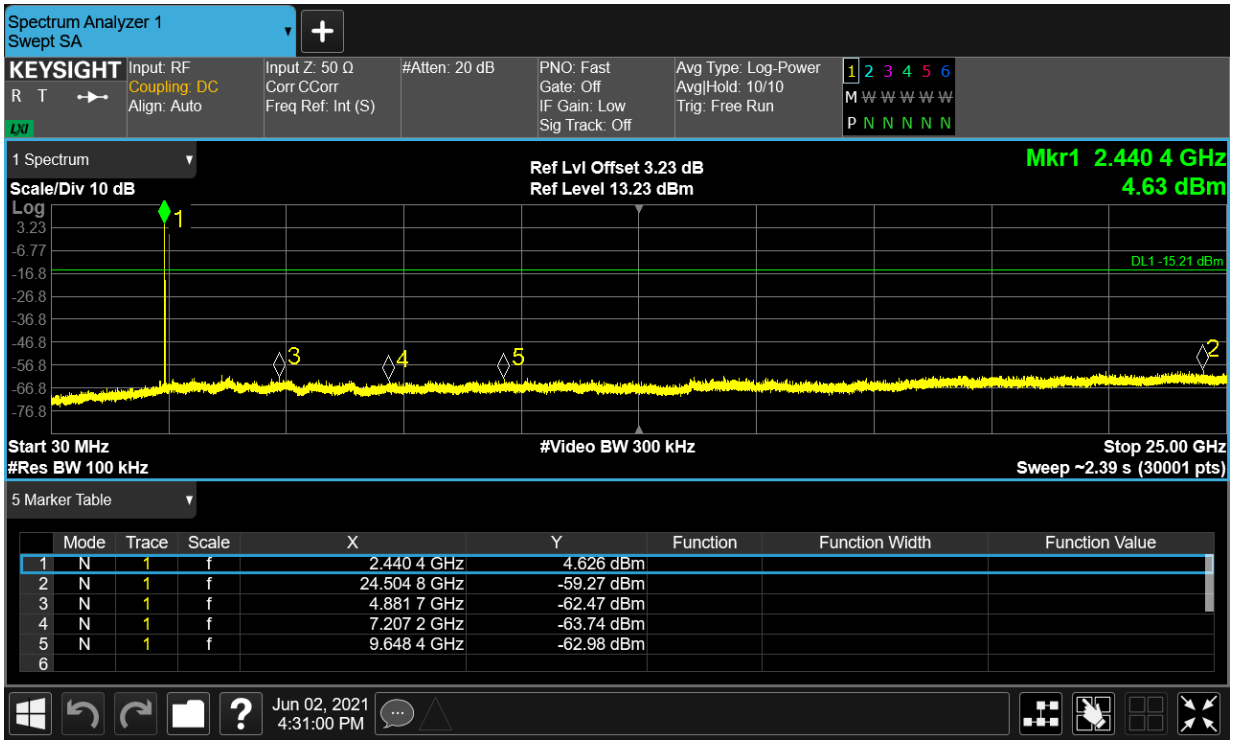
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



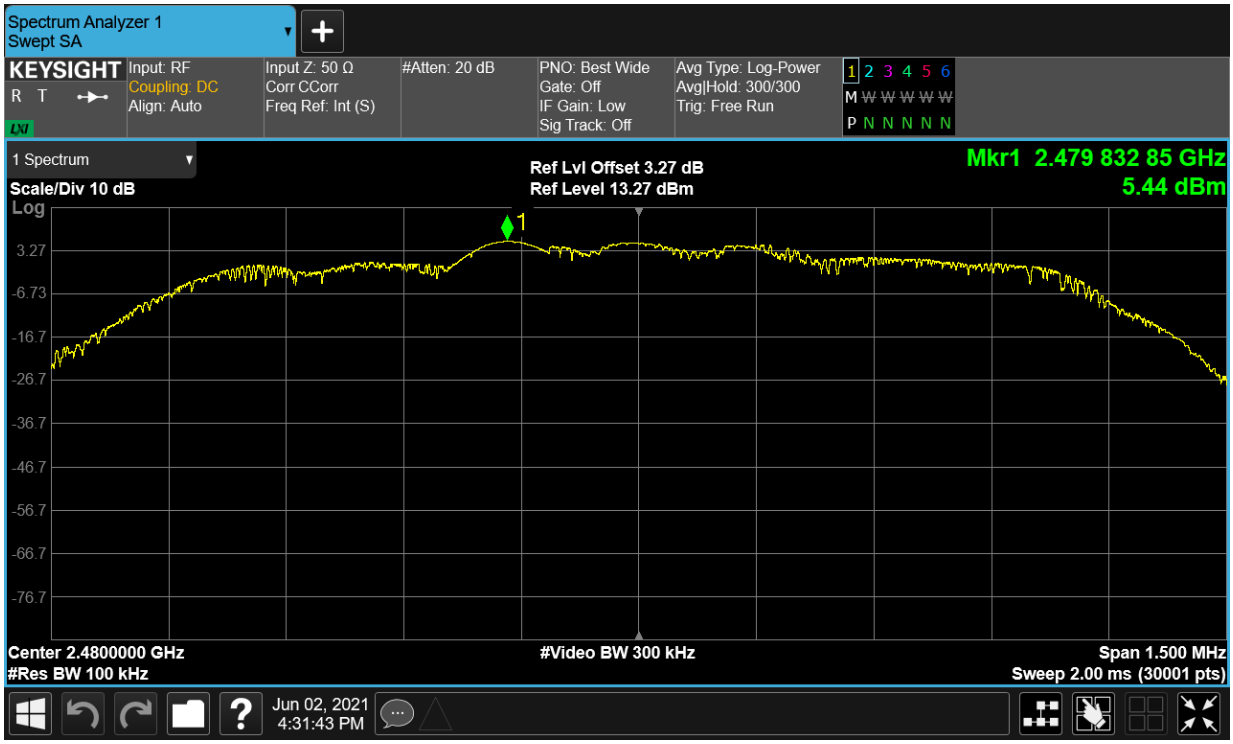
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



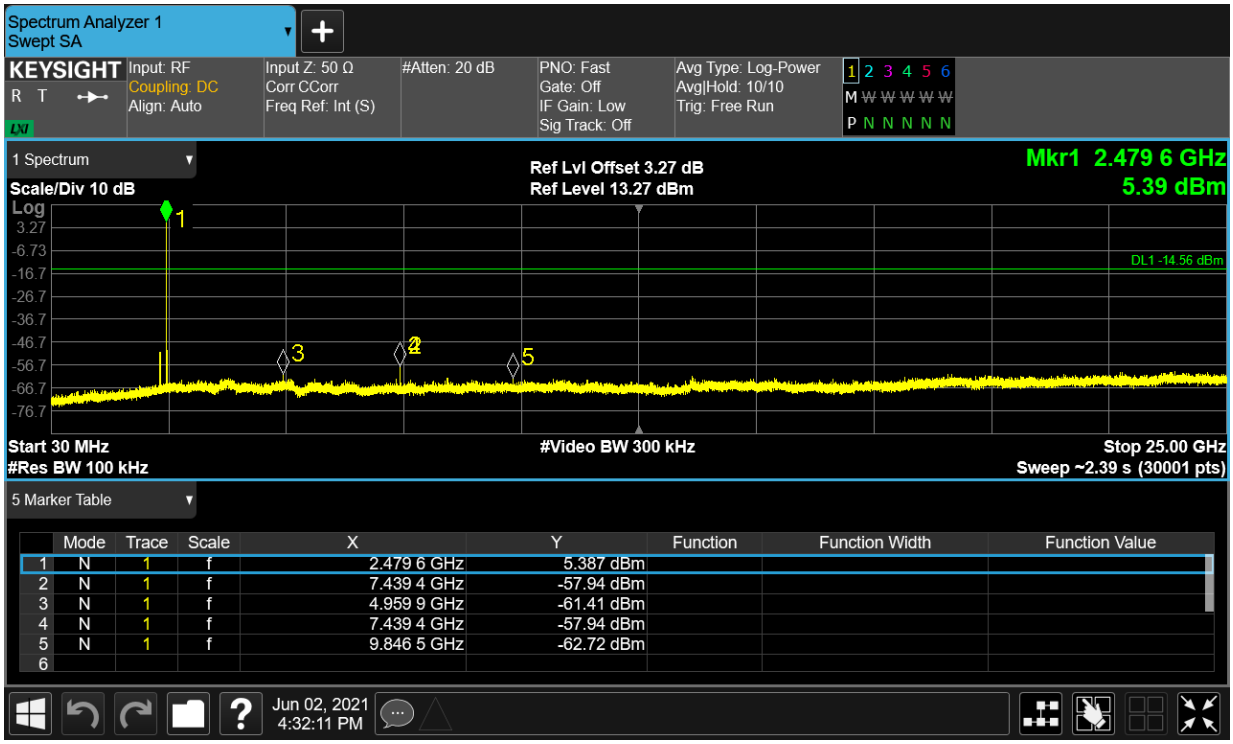
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



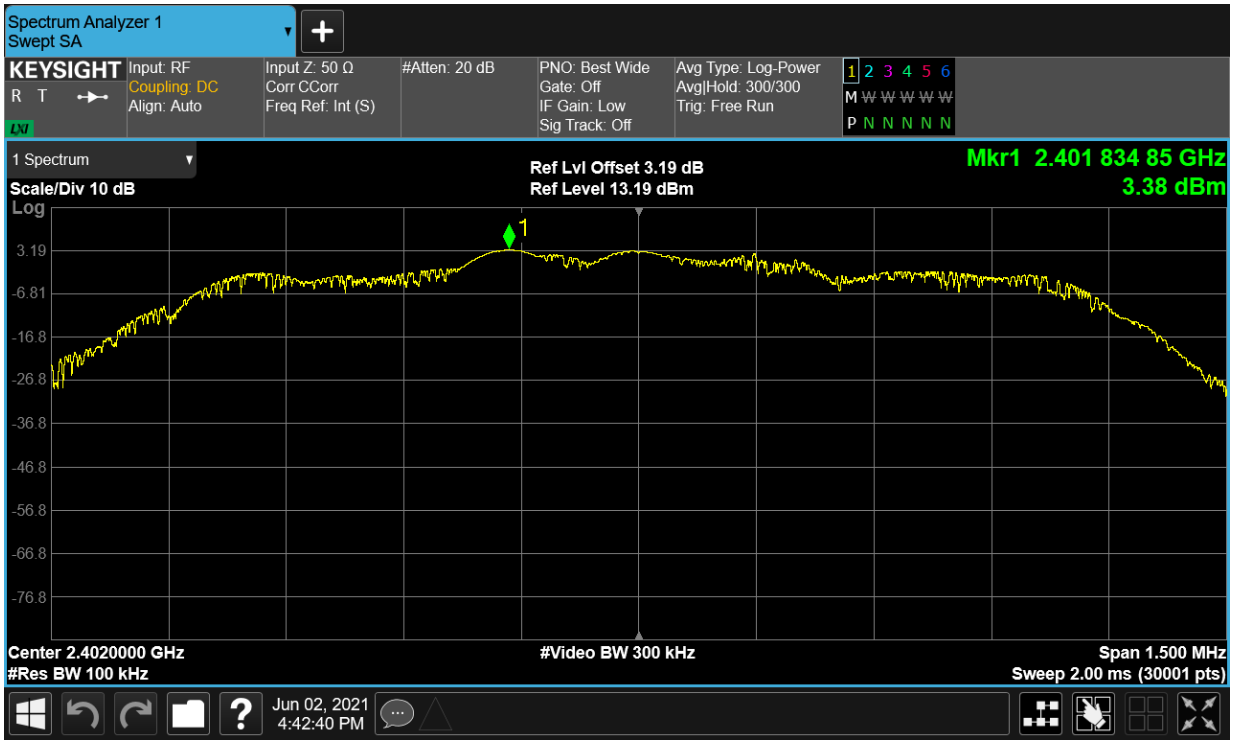
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



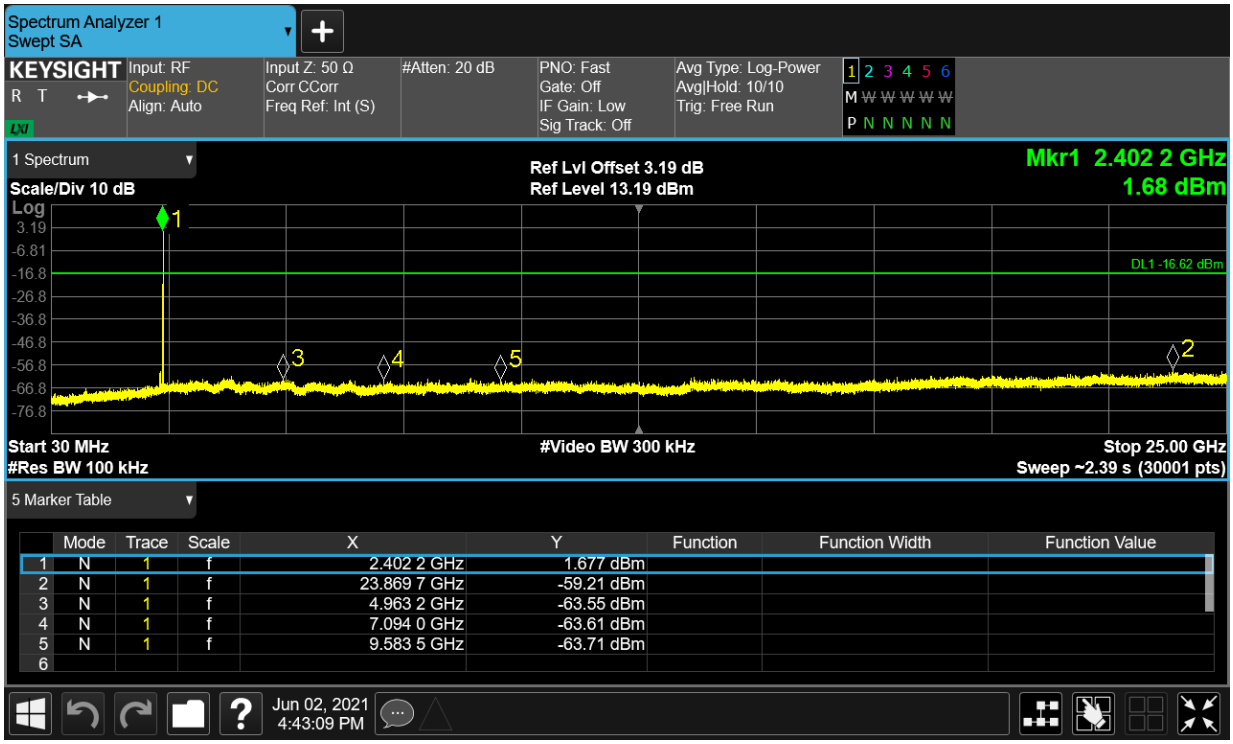
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



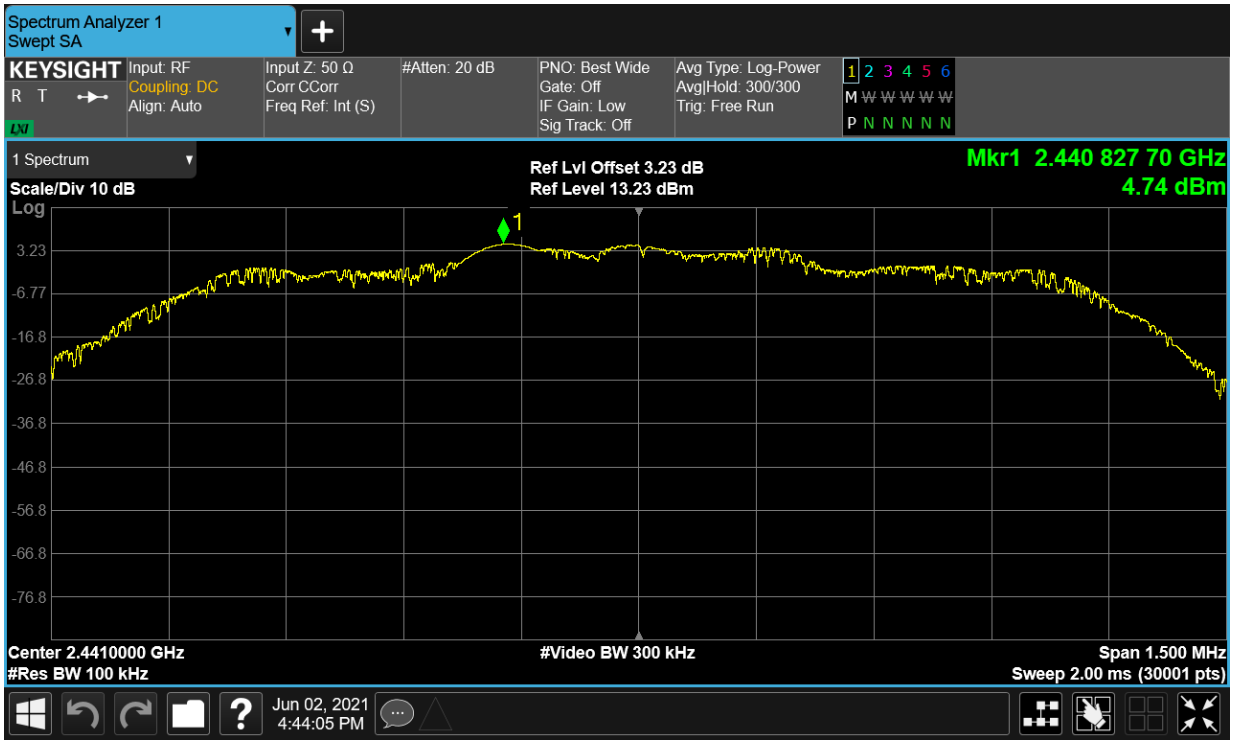
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



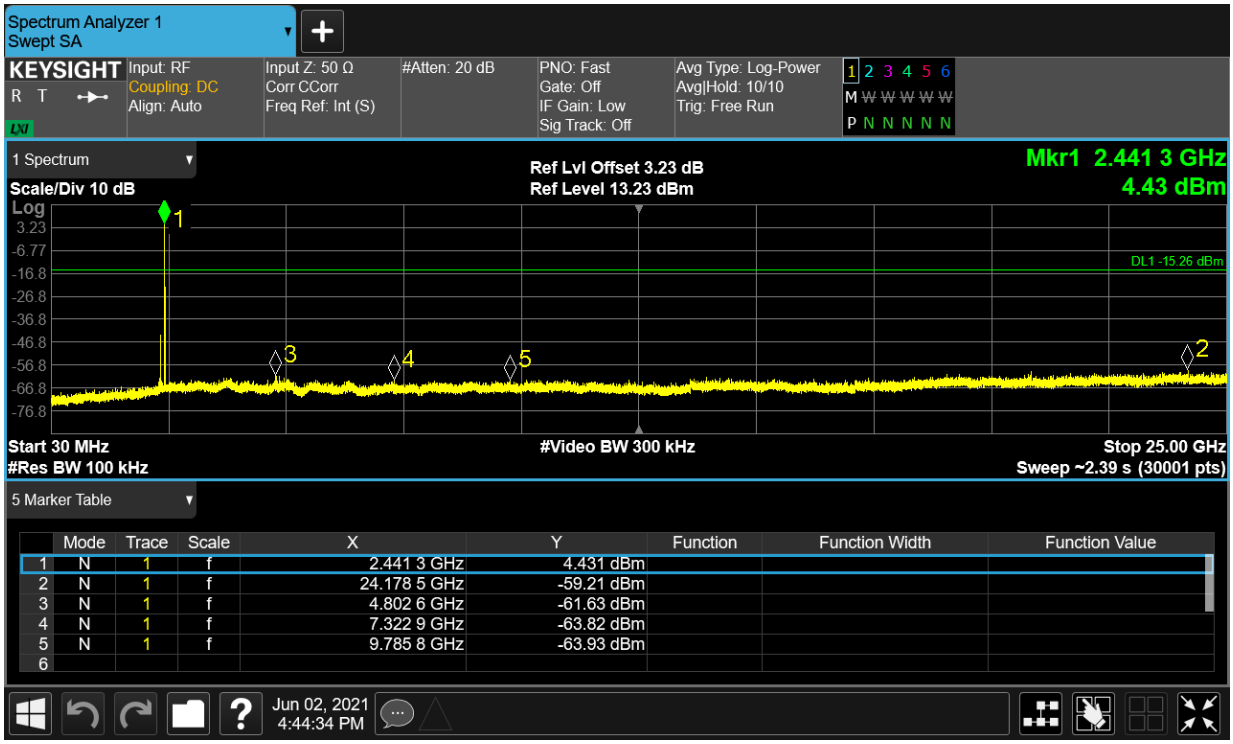
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



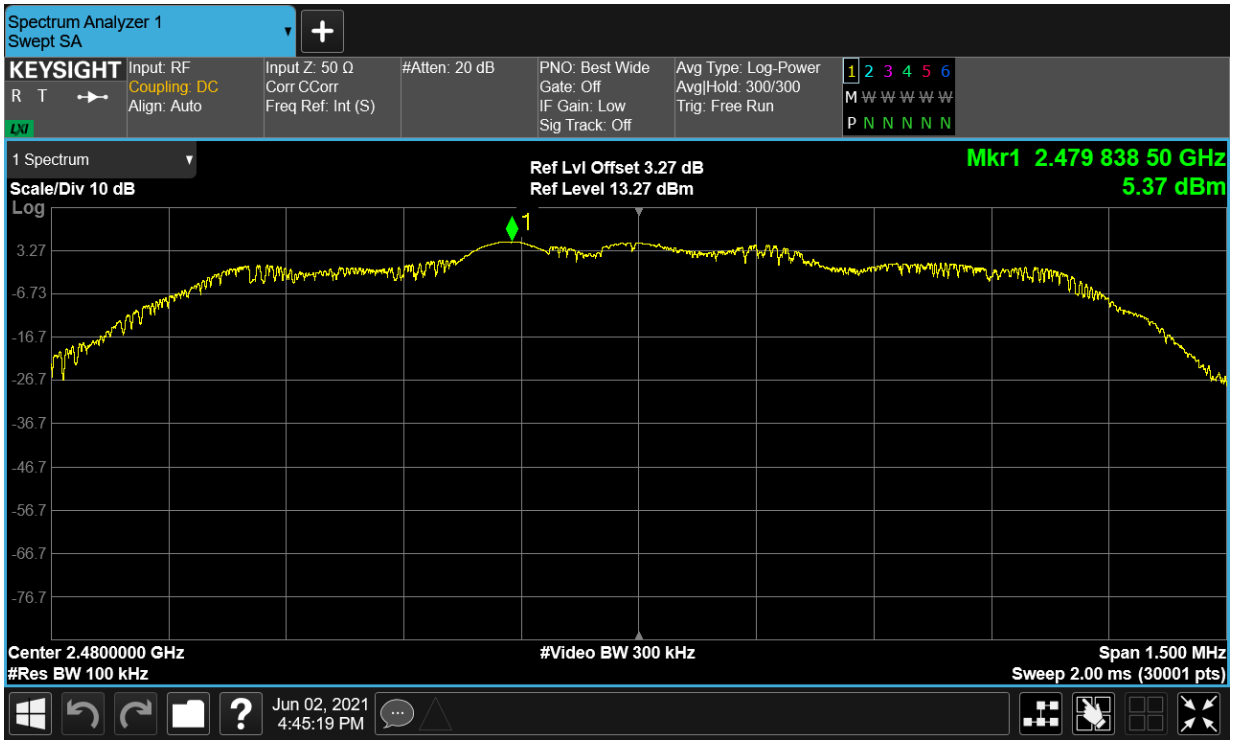
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



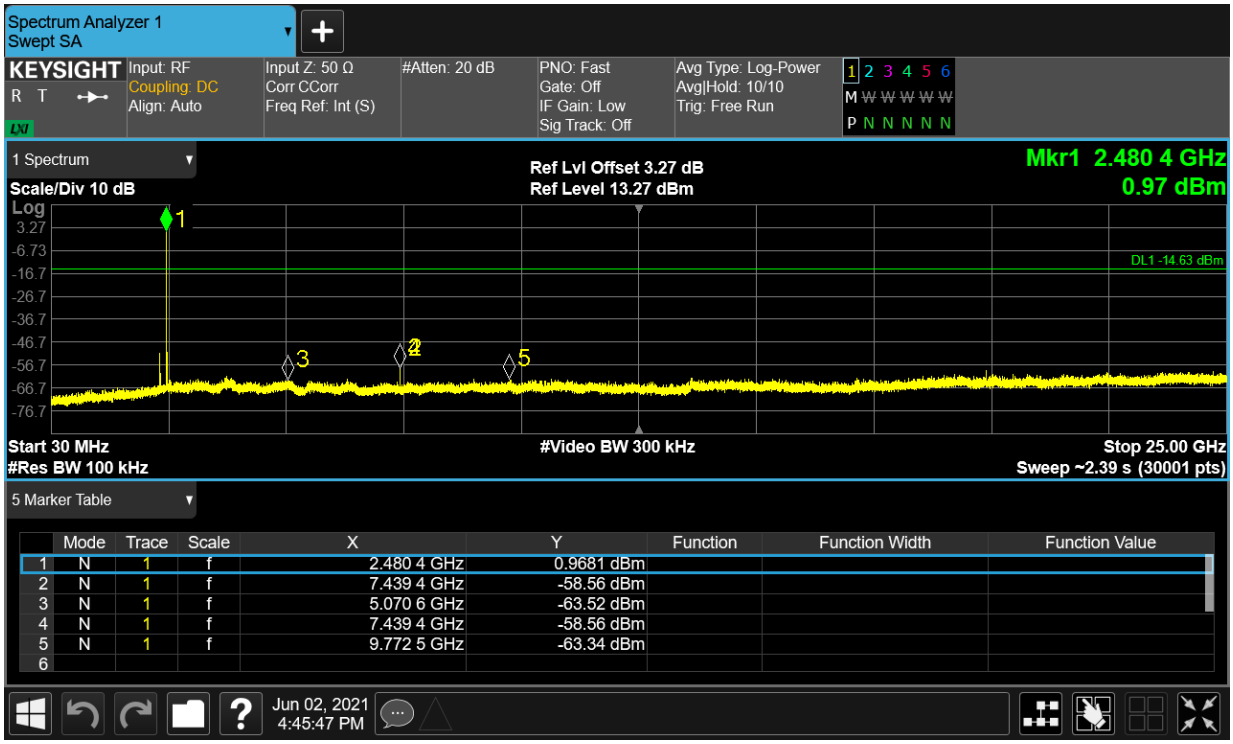
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



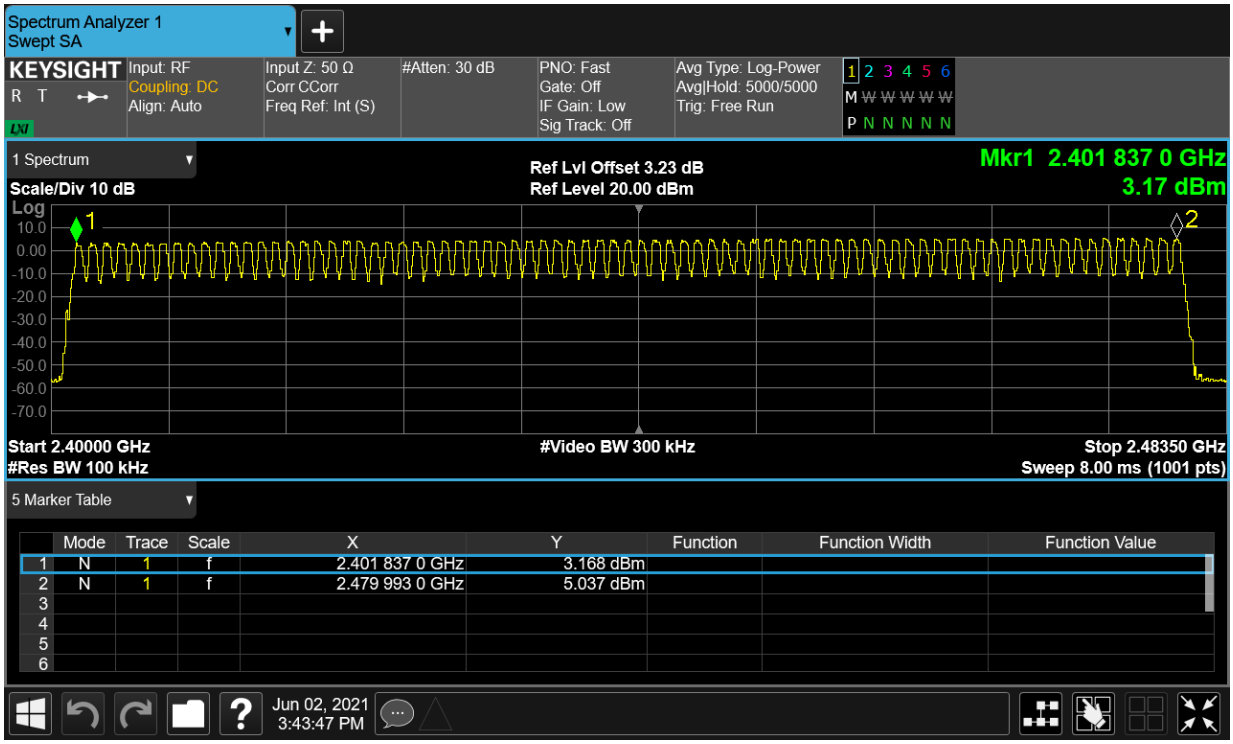
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



Number of Hopping Channel

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

Hopping No. NVNT 1-DH1 2441MHz Ant1



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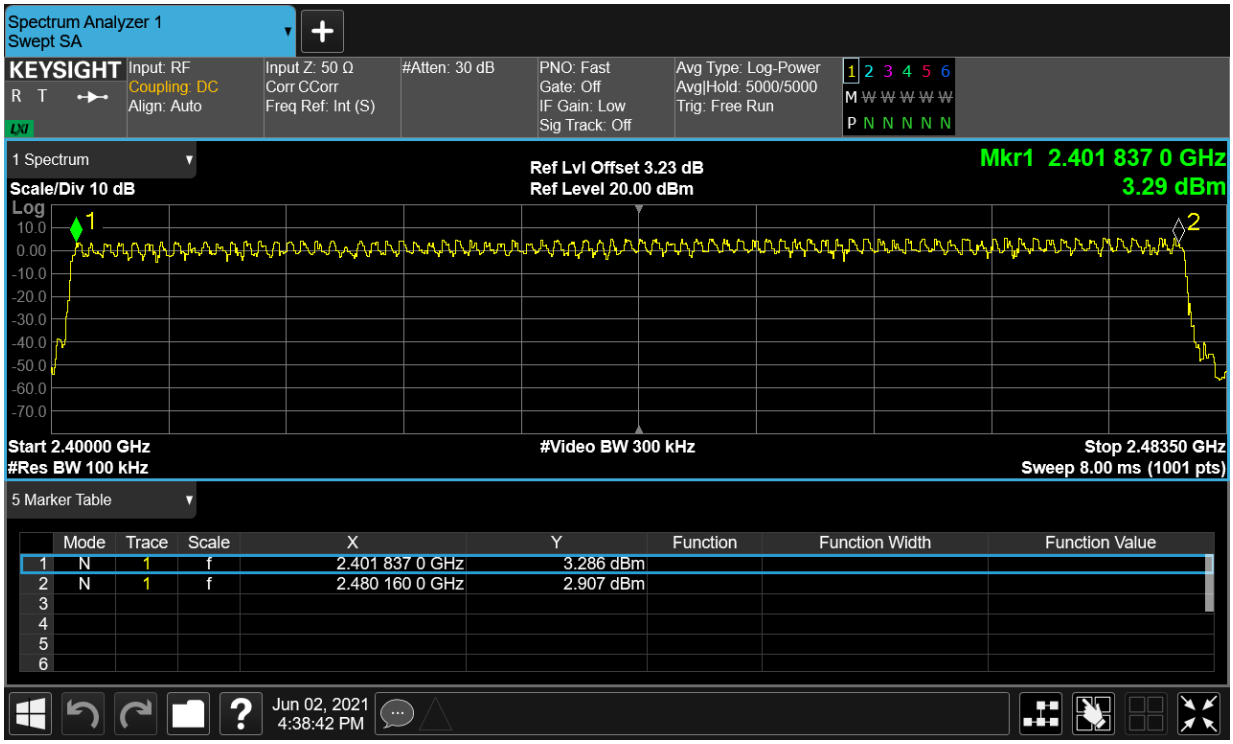
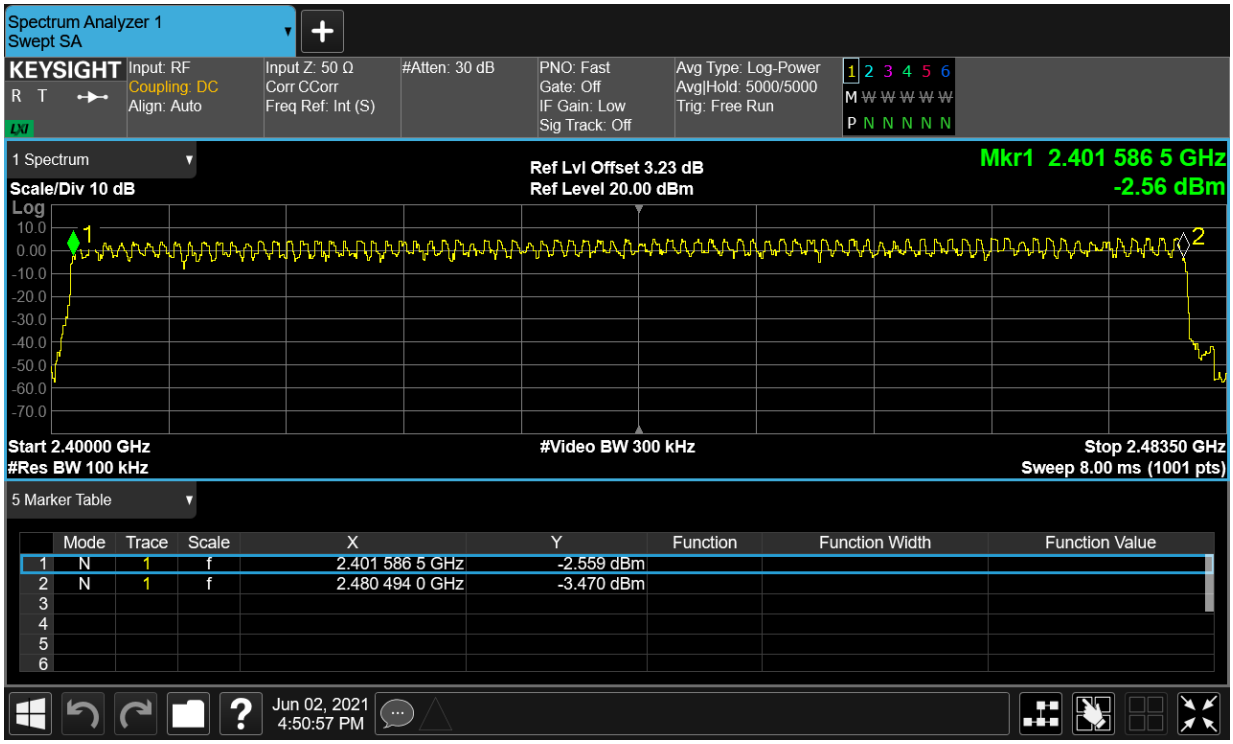


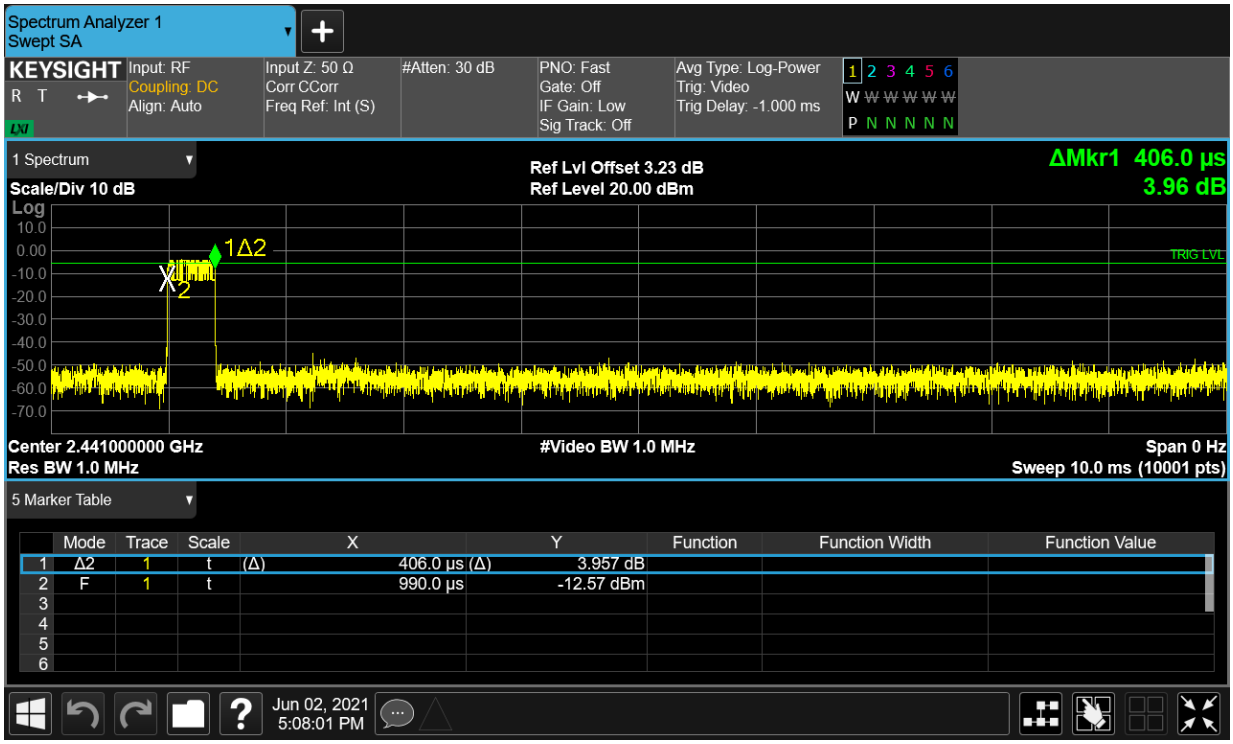
Hopping No. NVNT 3-DH1 2441MHz Ant1



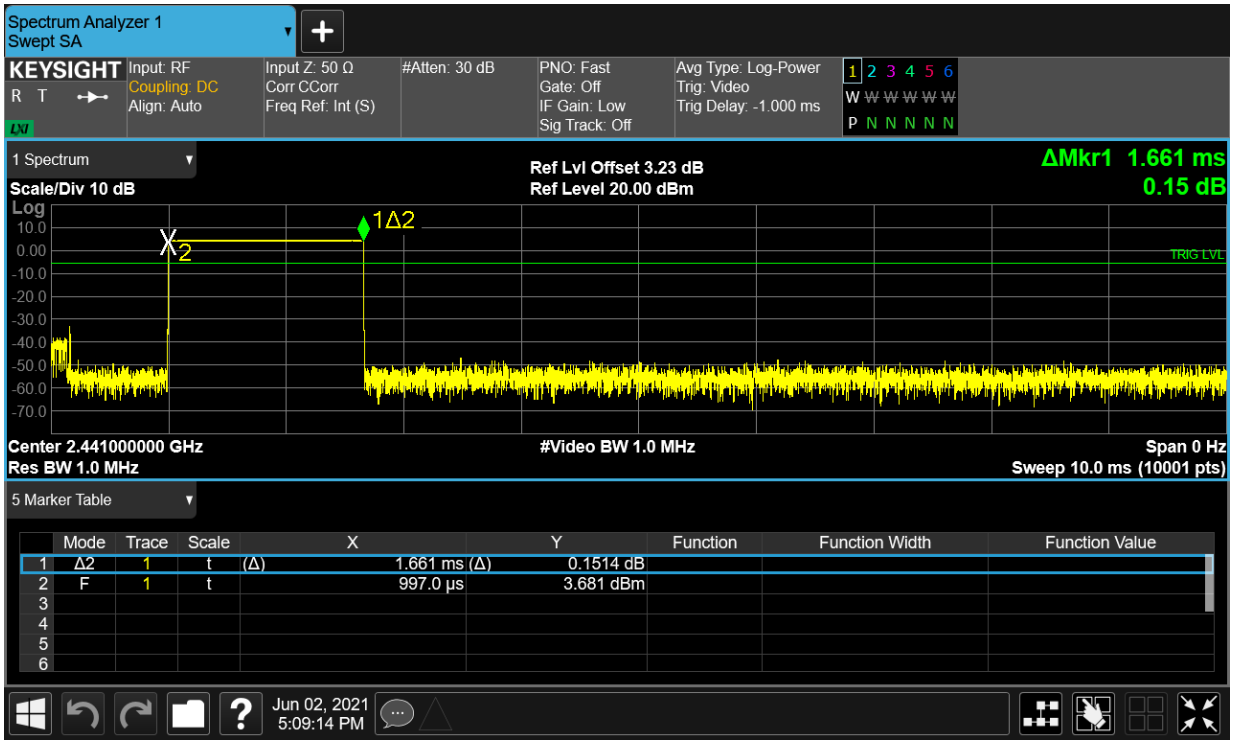
Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.406	129.92	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.661	265.76	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.909	310.293	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.398	127.36	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.651	264.16	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.898	309.12	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.398	127.36	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.646	263.36	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.897	309.013	31600	400	Pass

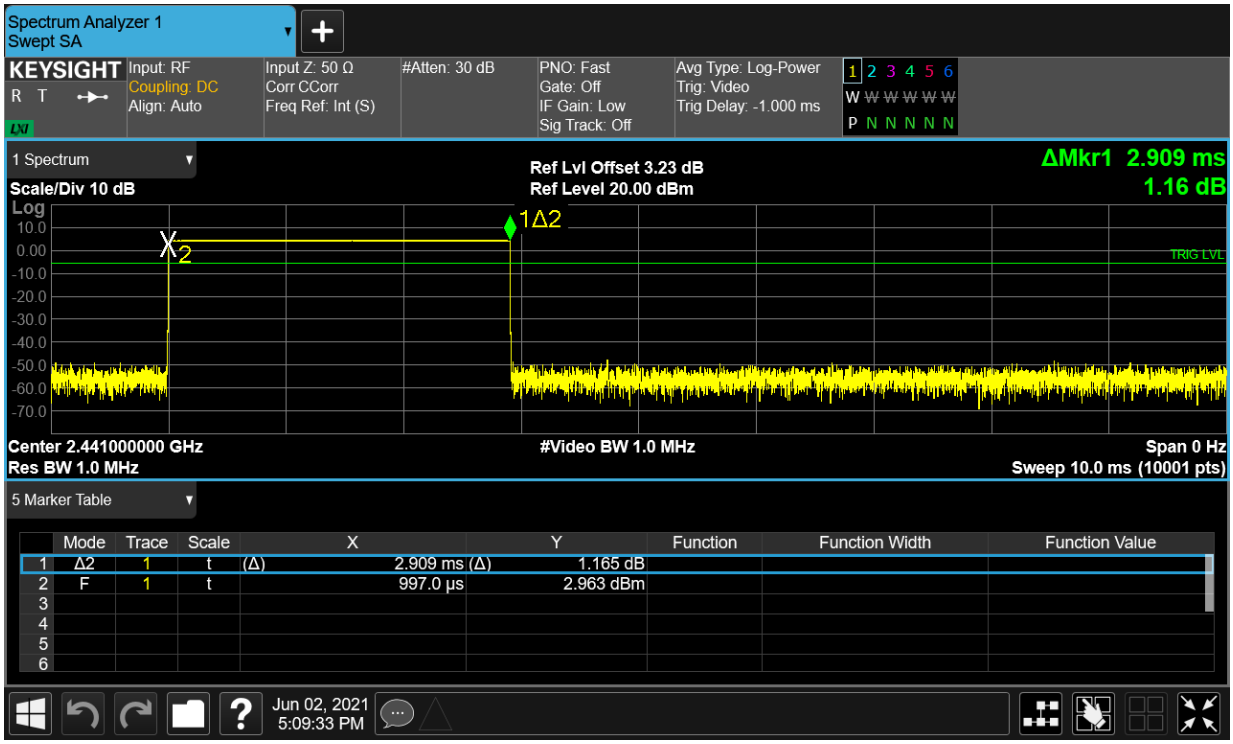
Dwell NVNT 1-DH1 2441MHz Ant1



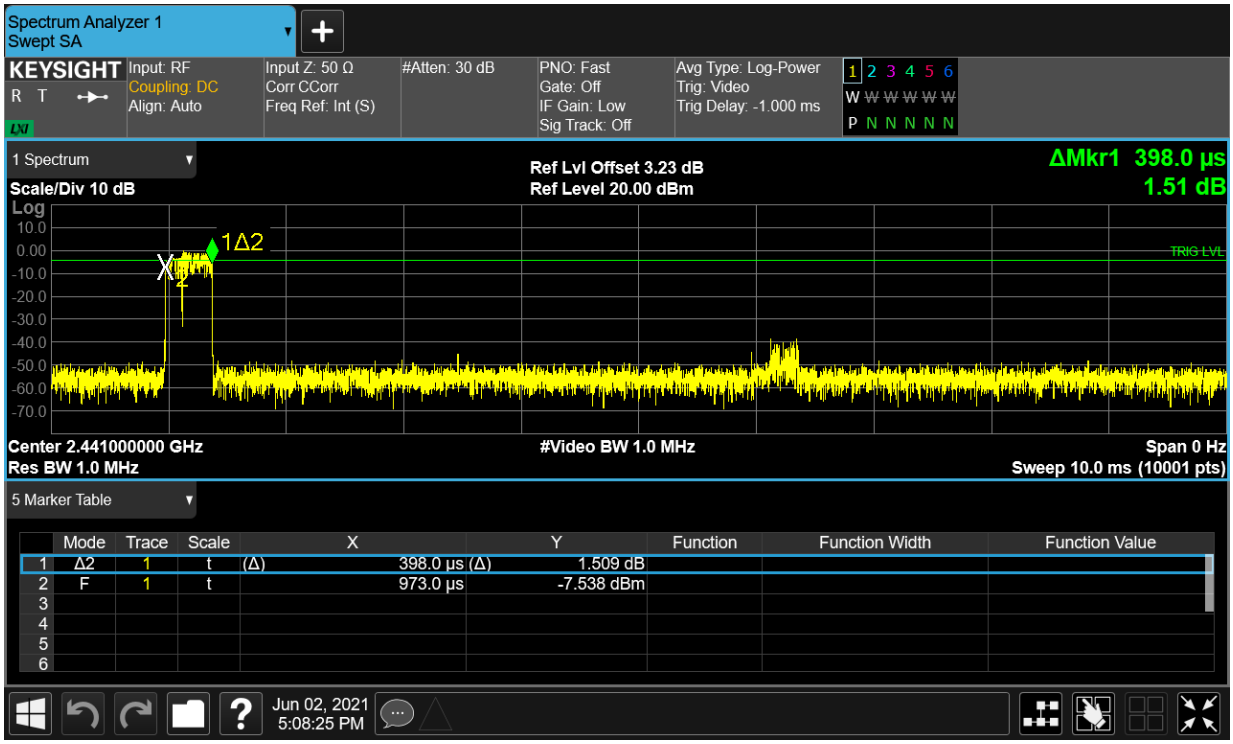
Dwell NVNT 1-DH3 2441MHz Ant1



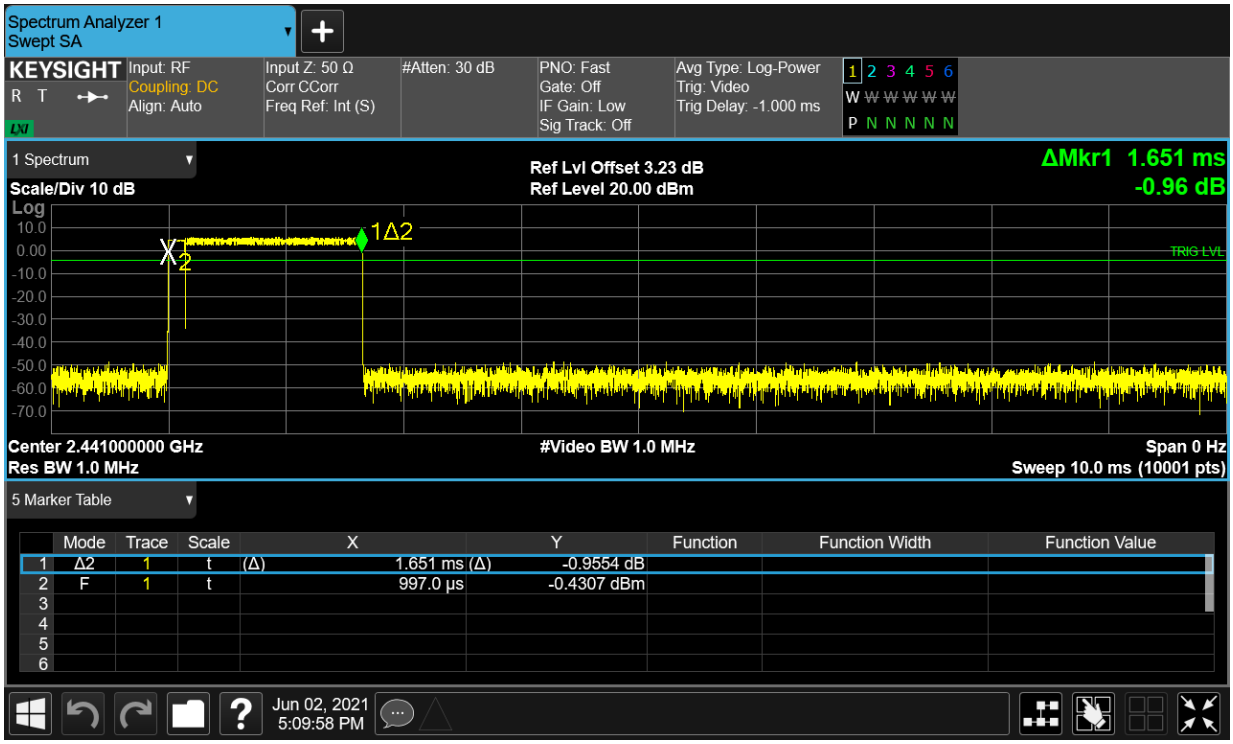
Dwell NVNT 1-DH5 2441MHz Ant1



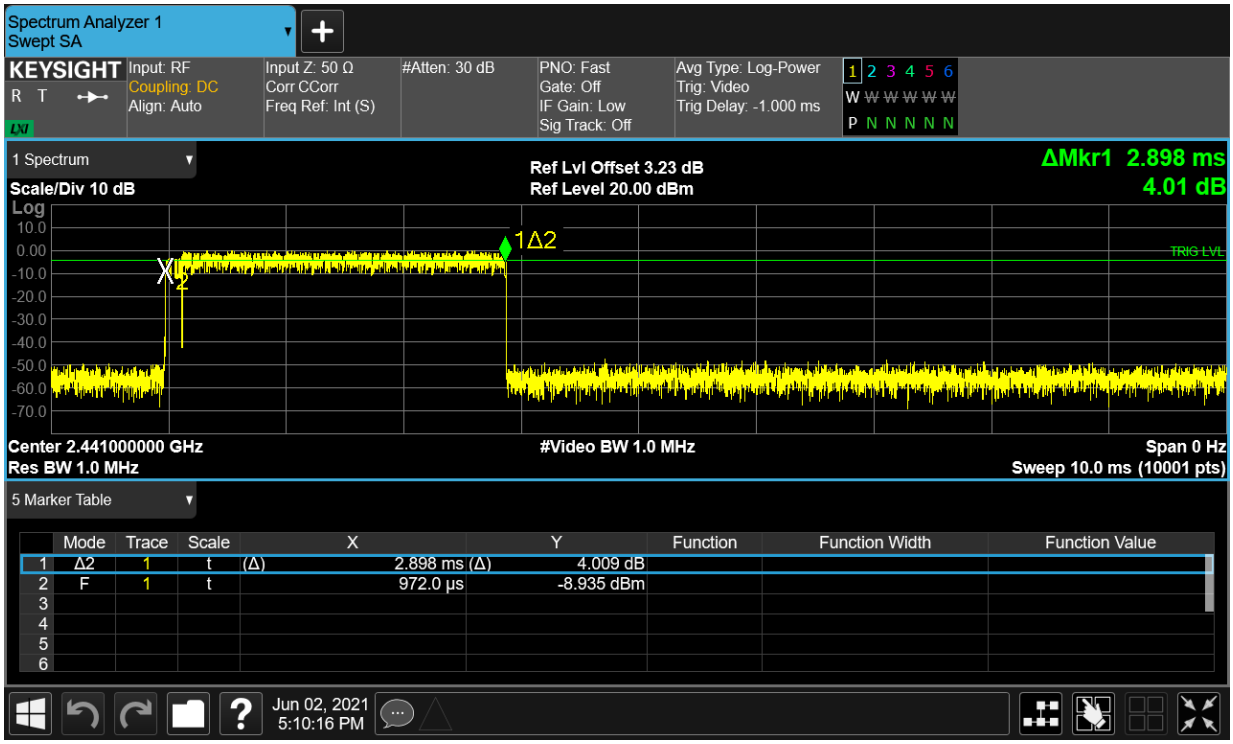
Dwell NVNT 2-DH1 2441MHz Ant1



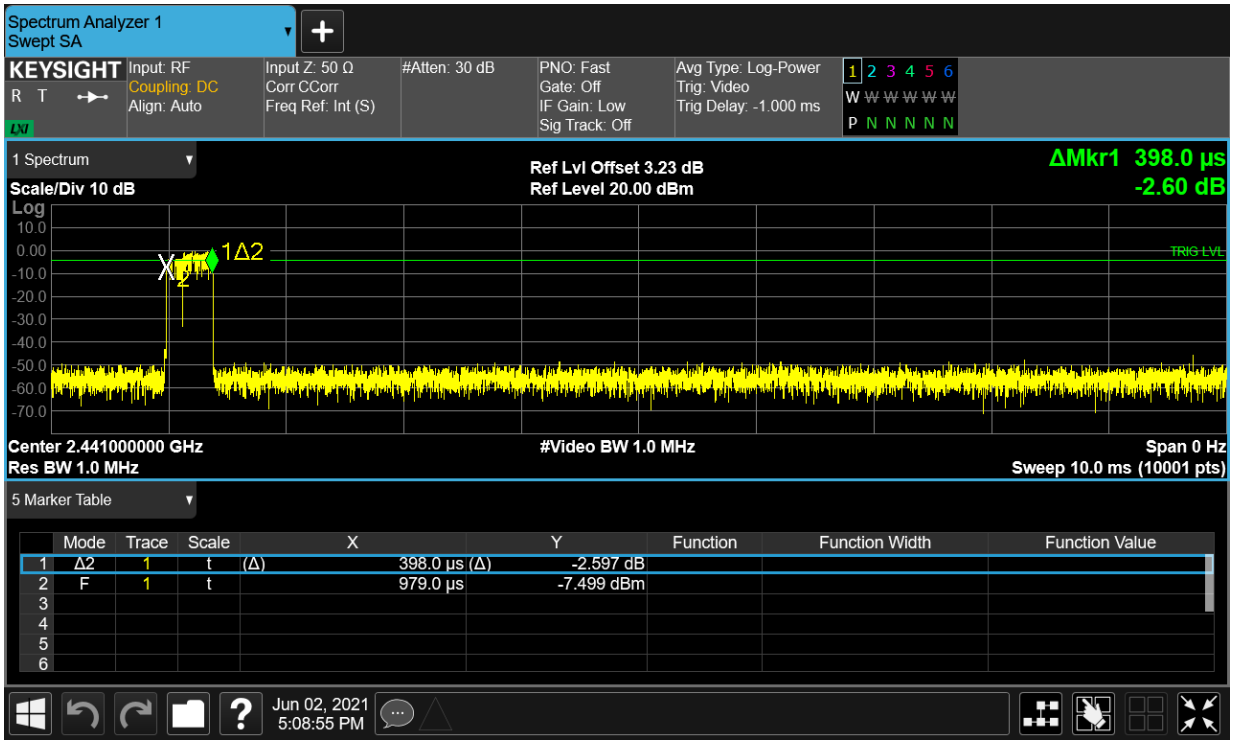
Dwell NVNT 2-DH3 2441MHz Ant1



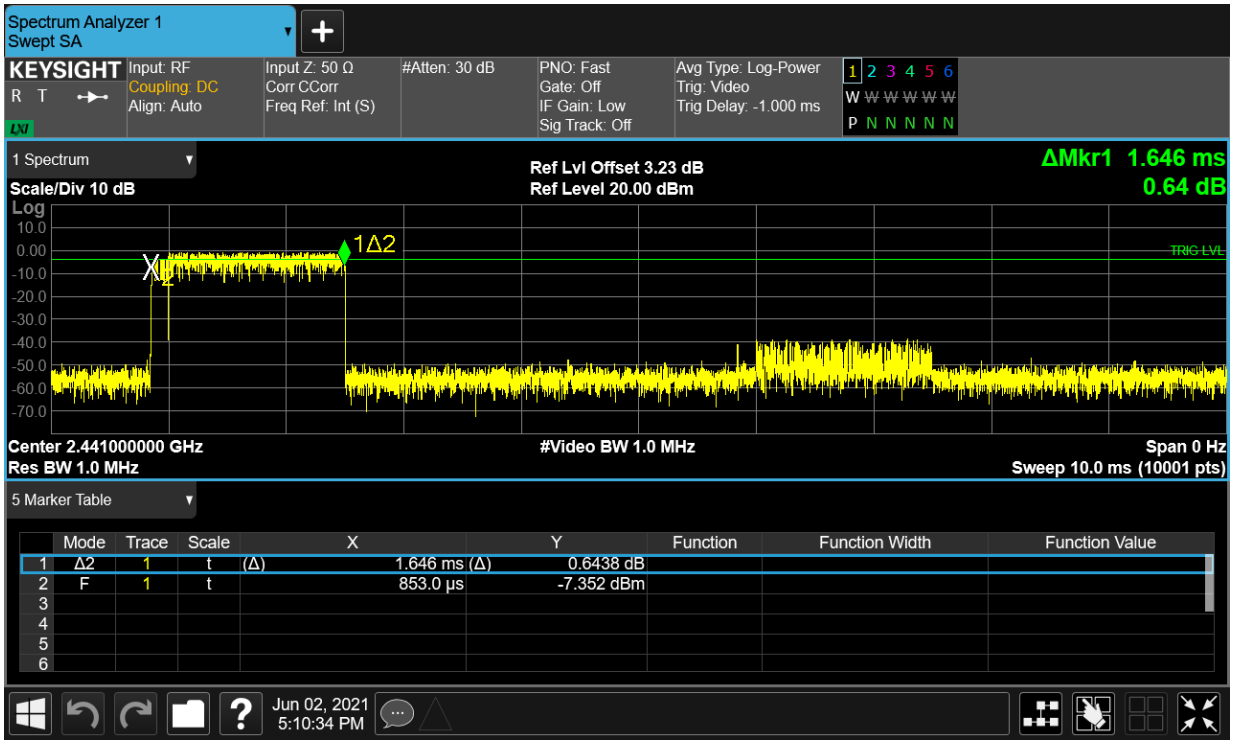
Dwell NVNT 2-DH5 2441MHz Ant1



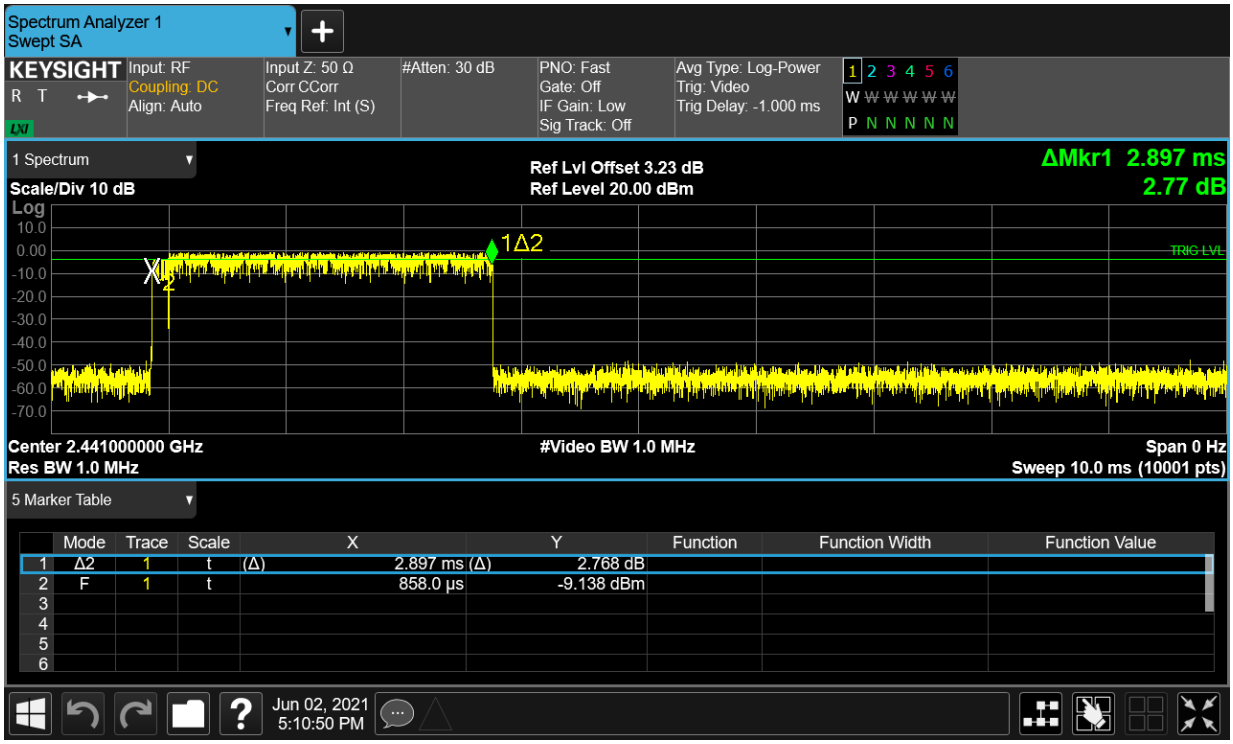
Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1



Dwell NVNT 3-DH5 2441MHz Ant1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Swept SA
KEYSIGHT
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Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Trig: Video
Trig Delay: -1.000 ms
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 3.23 dB
Ref Level 20.00 dBm
ΔMkr1 2.897 ms
2.77 dB
1Δ2
TRIG LVL
Center 2.441000000 GHz
Res BW 1.0 MHz
#Video BW 1.0 MHz
Span 0 Hz
Sweep 10.0 ms (10001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 Δ2 1 t (Δ) 2.897 ms (Δ) 2.768 dB
2 F 1 t 858.0 µs -9.138 dBm
Jun 02, 2021
5:10:50 PM