

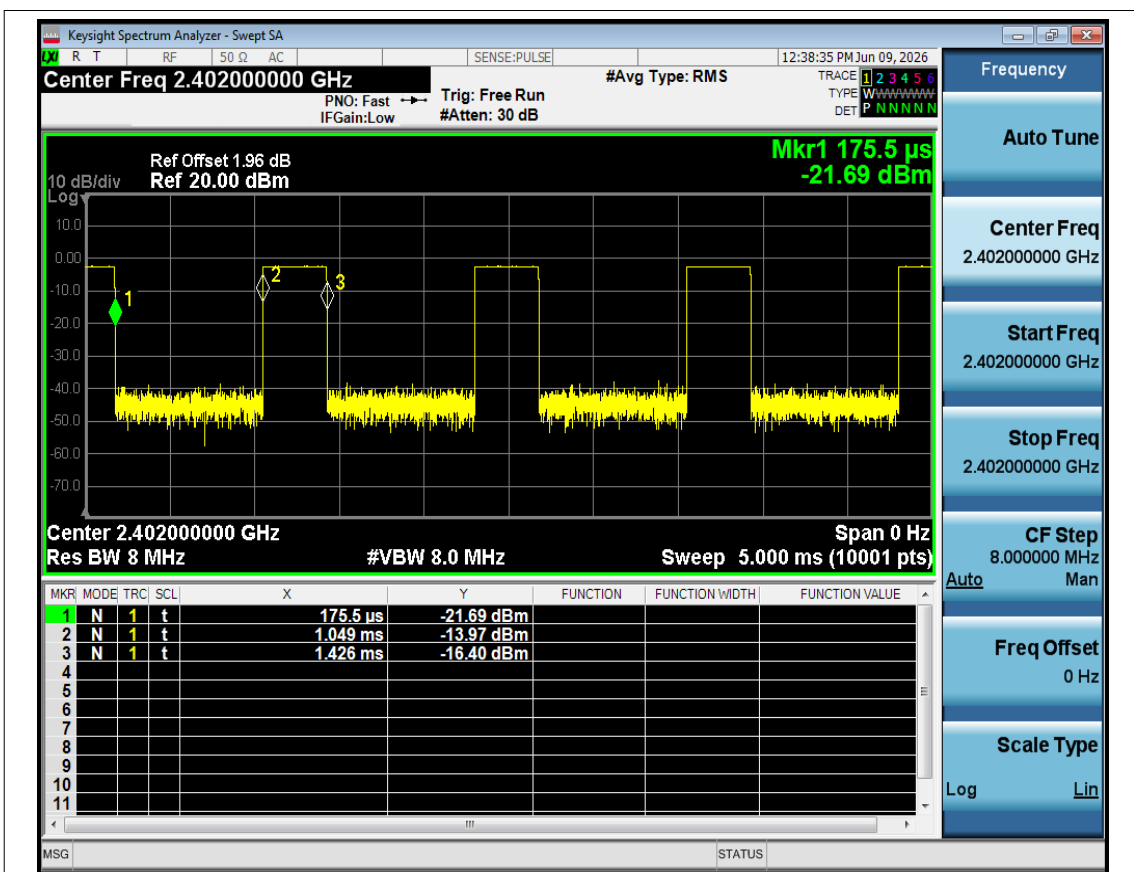
RF Test Data

FCC ID:2AVBC-RS10

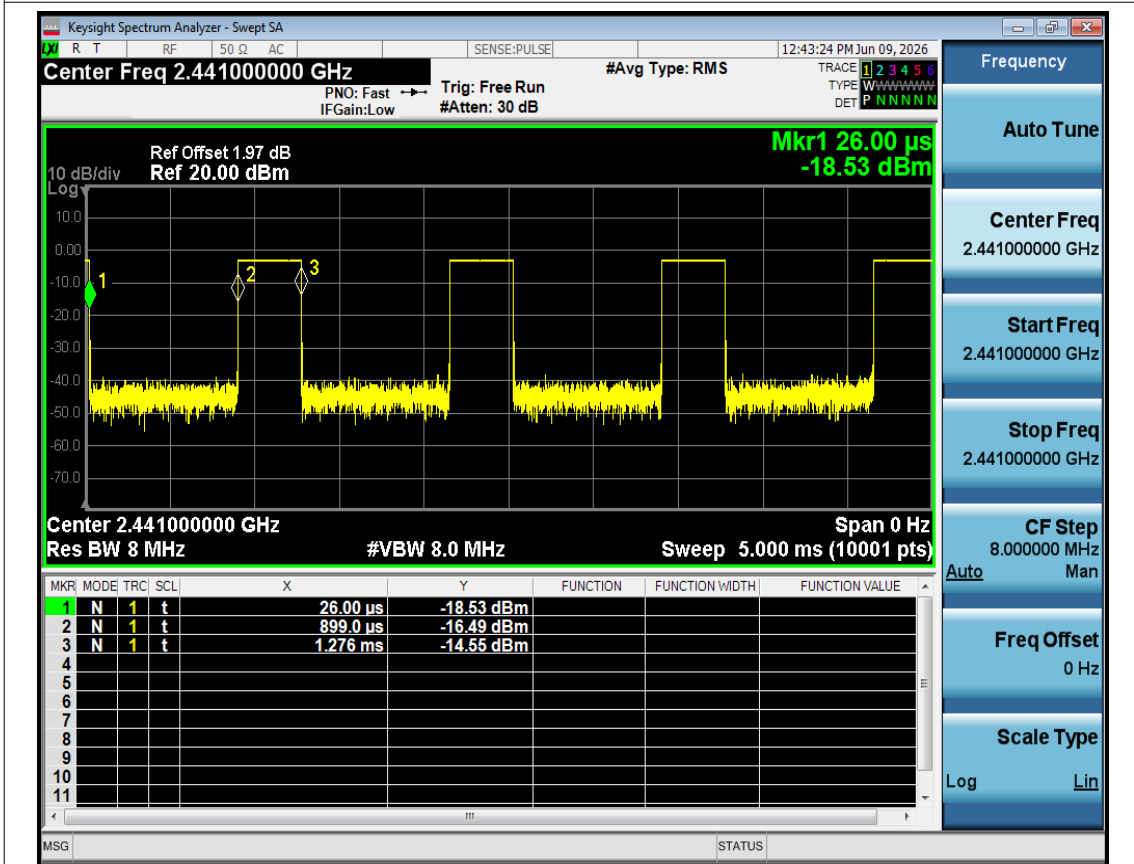
Duty Cycle	2
Maximum Peak Conducted Output Power	8
-20dB Bandwidth	14
Occupied Channel Bandwidth	20
Carrier Frequencies Separation	26
Band Edge	32
Band Edge(Hopping)	39
Conducted RF Spurious Emission	46
Number of Hopping Channel	56
Dwell Time	59

Duty Cycle

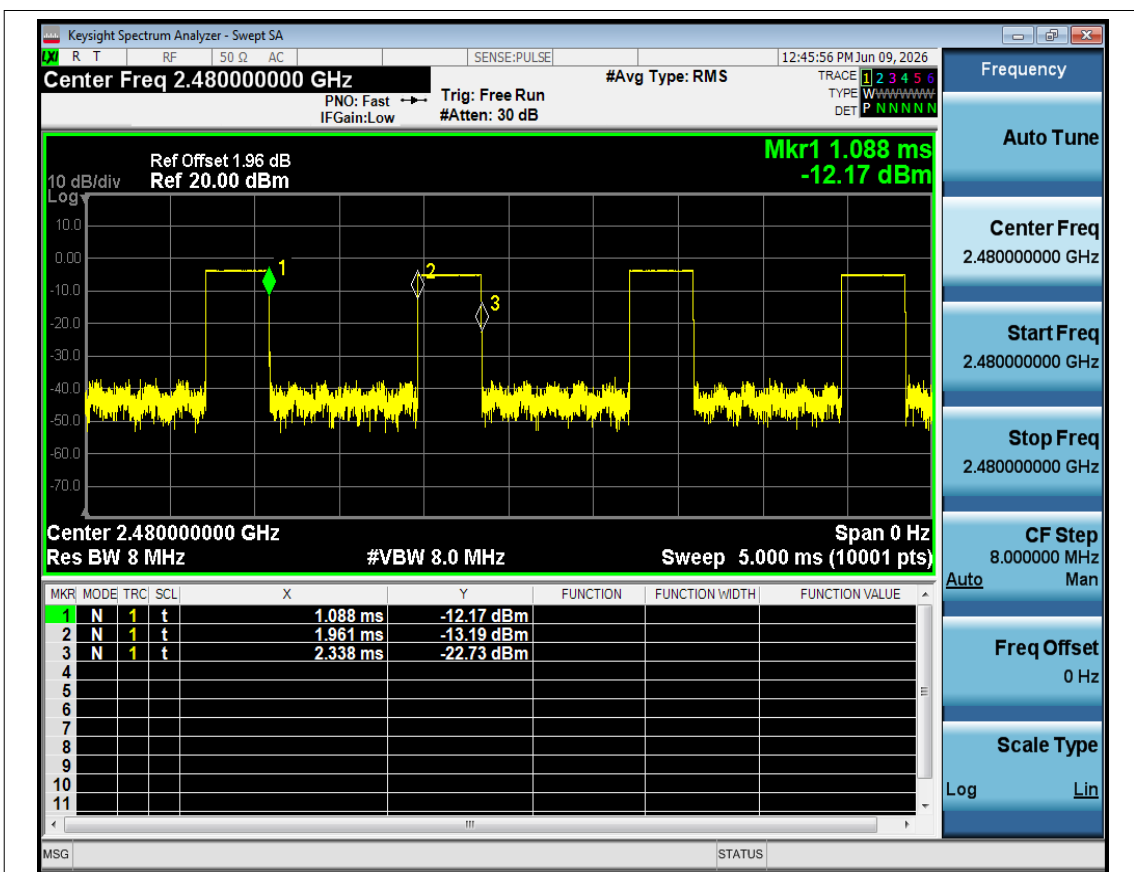
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.16	5.21	2.65
NVNT	1-DH1	2441	Ant1	30.16	5.21	2.65
NVNT	1-DH1	2480	Ant1	30.15	5.21	2.65
NVNT	2-DH1	2402	Ant1	30.92	5.1	2.59
NVNT	2-DH1	2441	Ant1	30.96	5.09	2.58
NVNT	2-DH1	2480	Ant1	30.96	5.09	2.58
NVNT	3-DH1	2402	Ant1	31.04	5.08	2.58
NVNT	3-DH1	2441	Ant1	31.04	5.08	2.58
NVNT	3-DH1	2480	Ant1	31	5.09	2.58



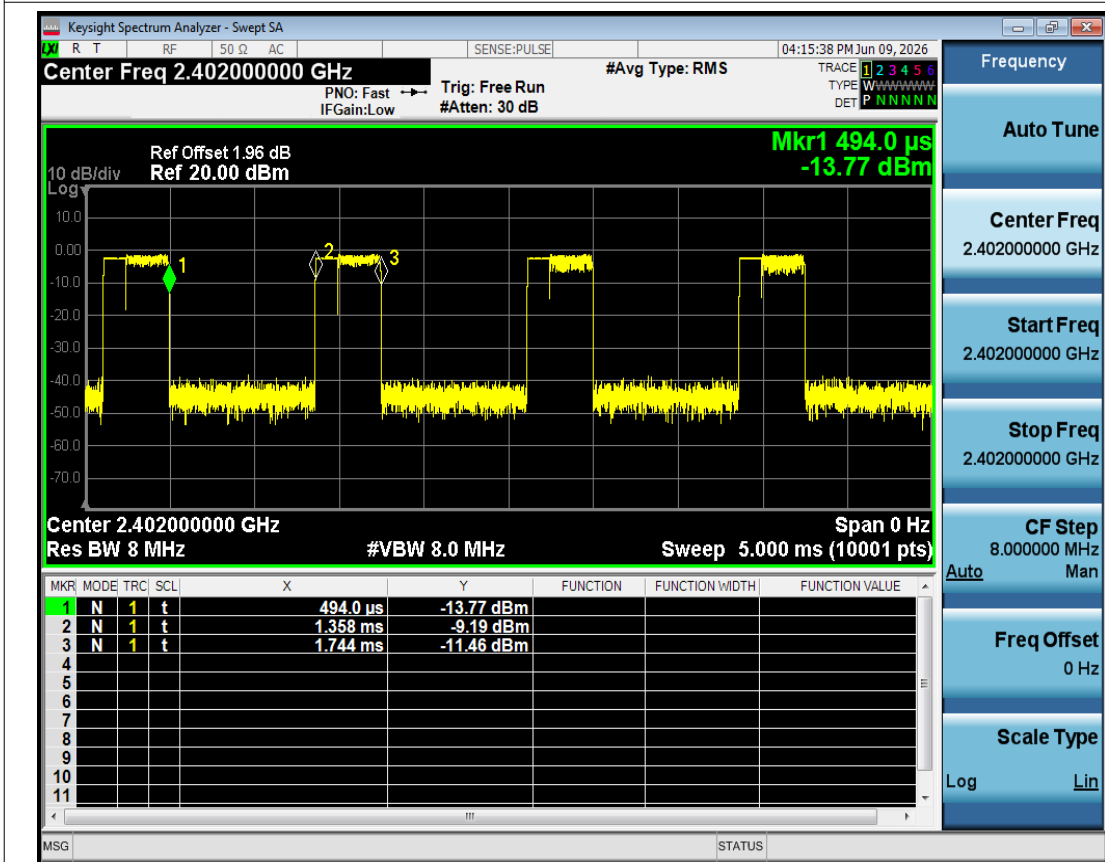
Duty Cycle NVNT 1-DH1 2402MHz Ant1



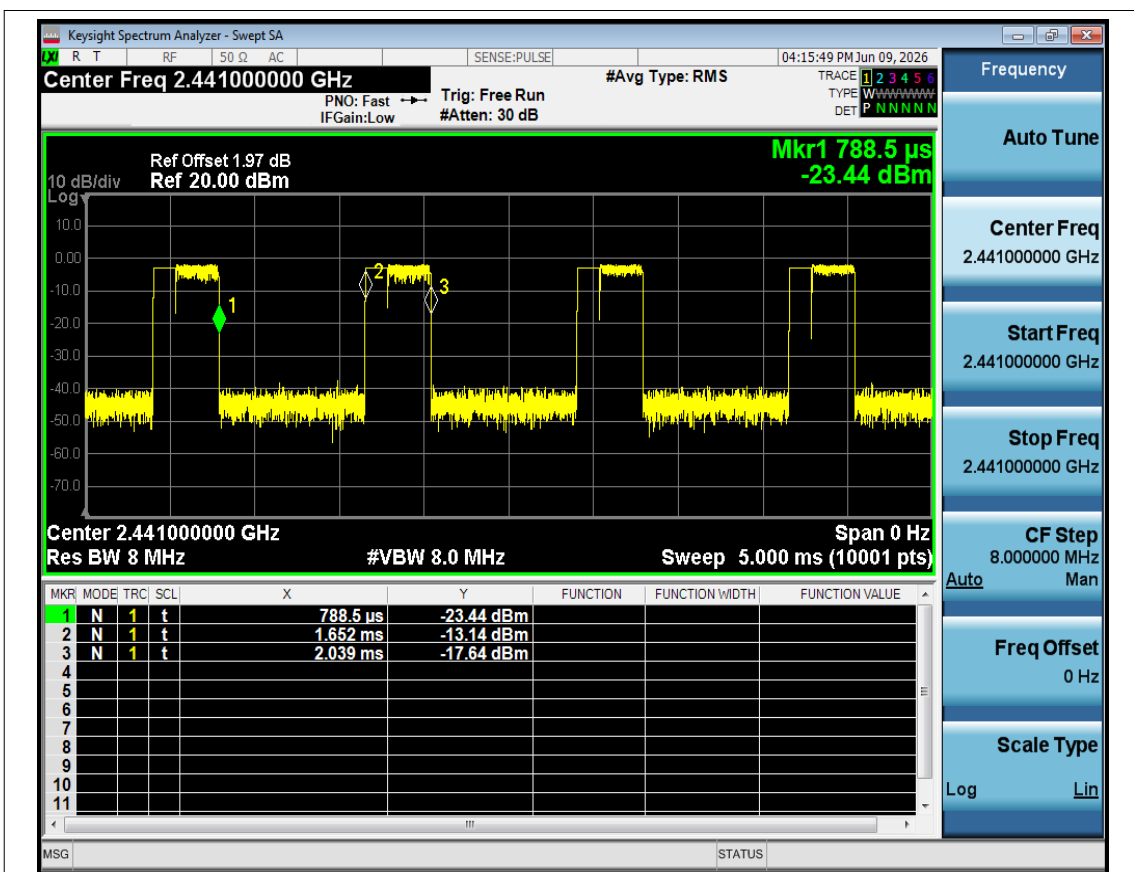
Duty Cycle NVNT 1-DH1 2441MHz Ant1



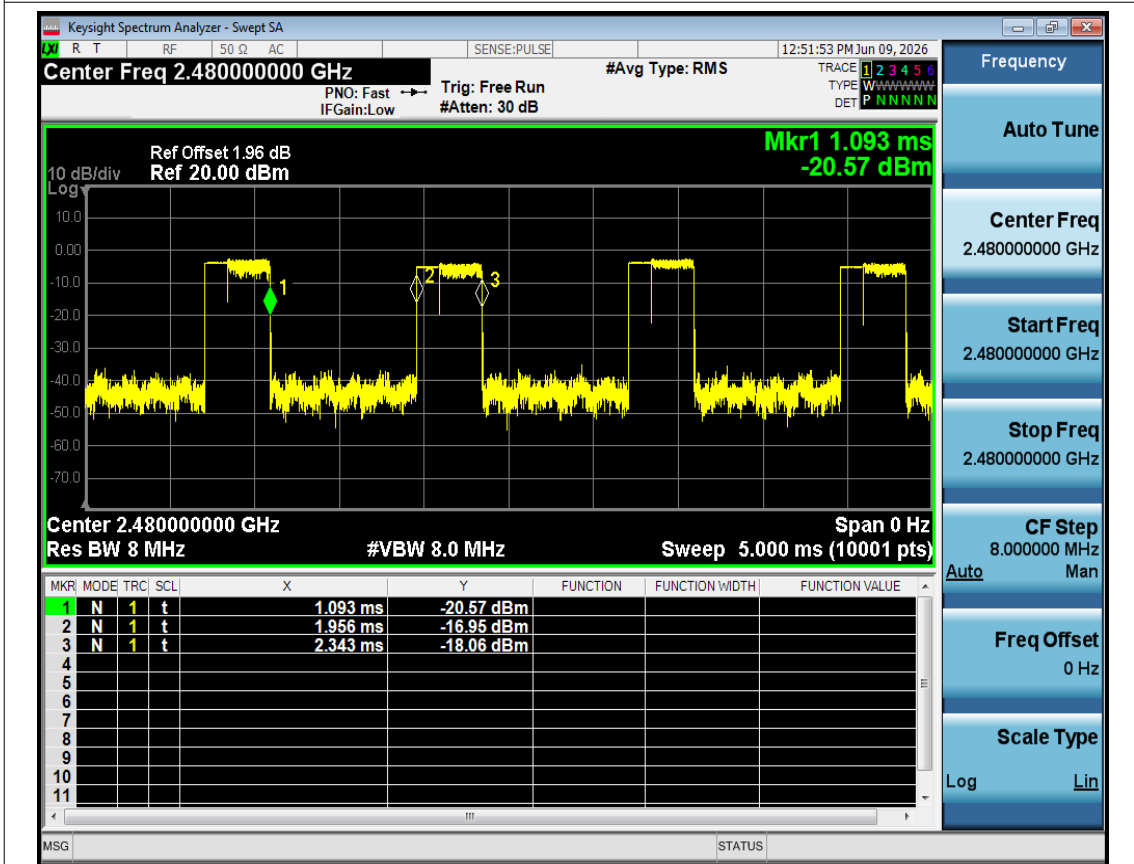
Duty Cycle NVNT 1-DH1 2480MHz Ant1



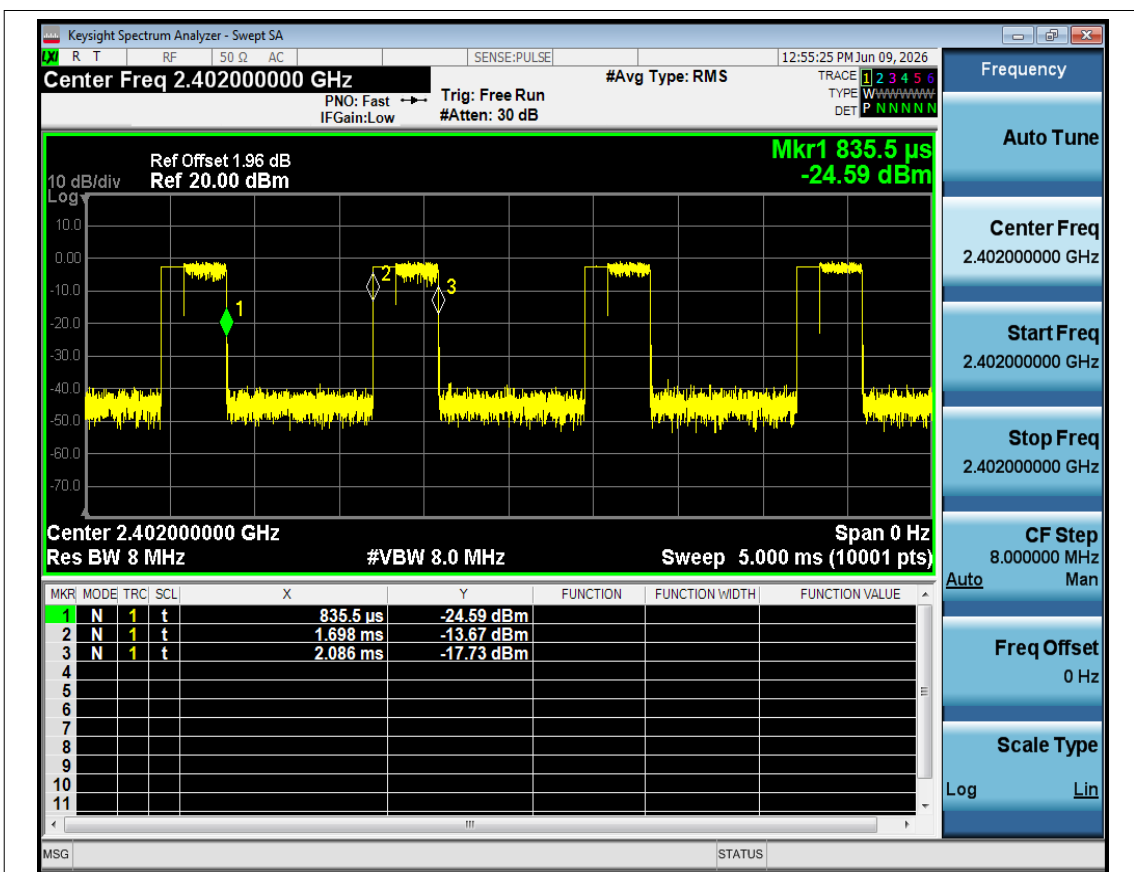
Duty Cycle NVNT 2-DH1 2402MHz Ant1



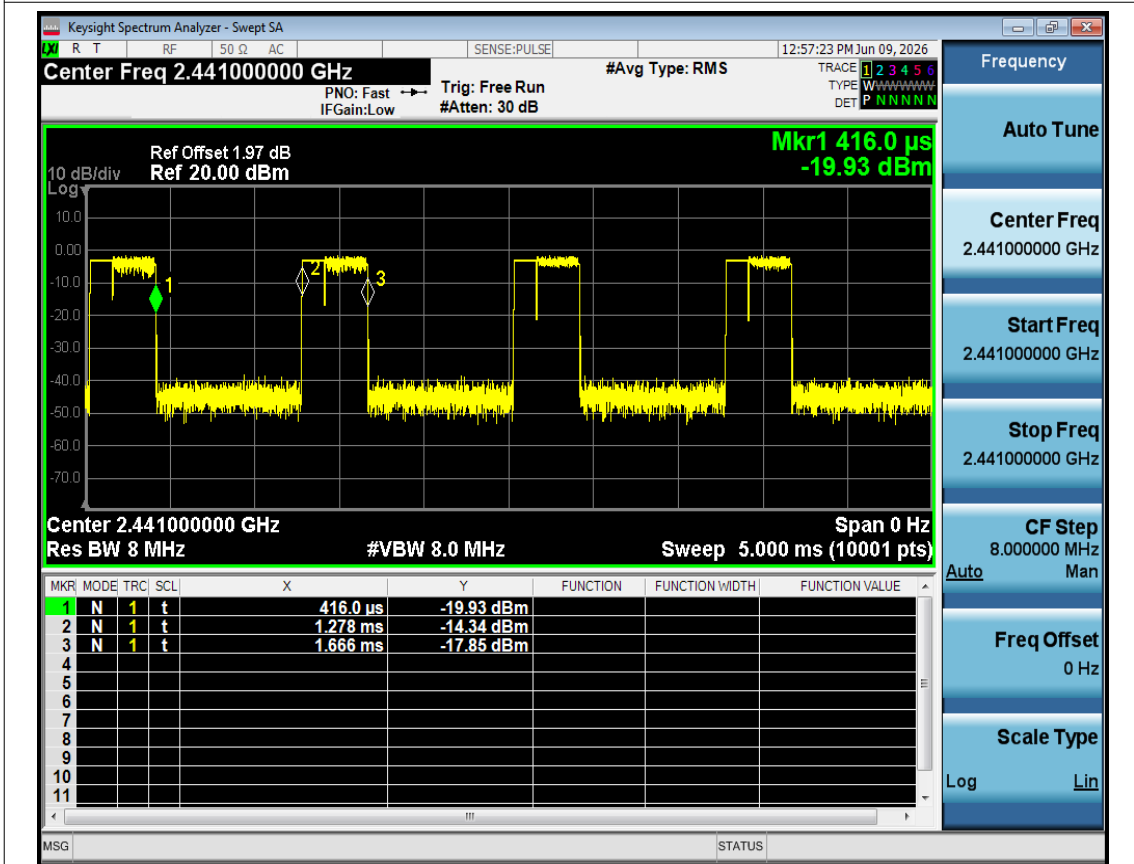
Duty Cycle NVNT 2-DH1 2441MHz Ant1



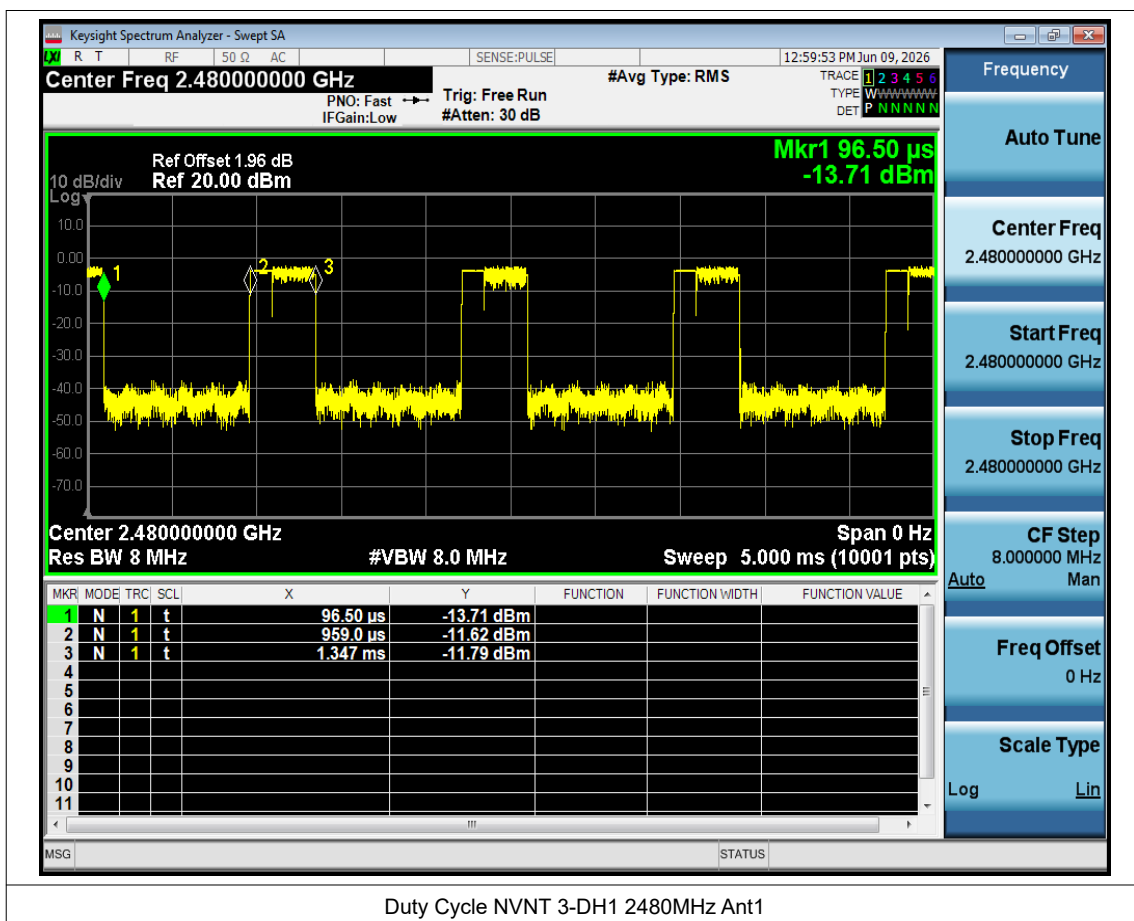
Duty Cycle NVNT 2-DH1 2480MHz Ant1



Duty Cycle NVNT 3-DH1 2402MHz Ant1

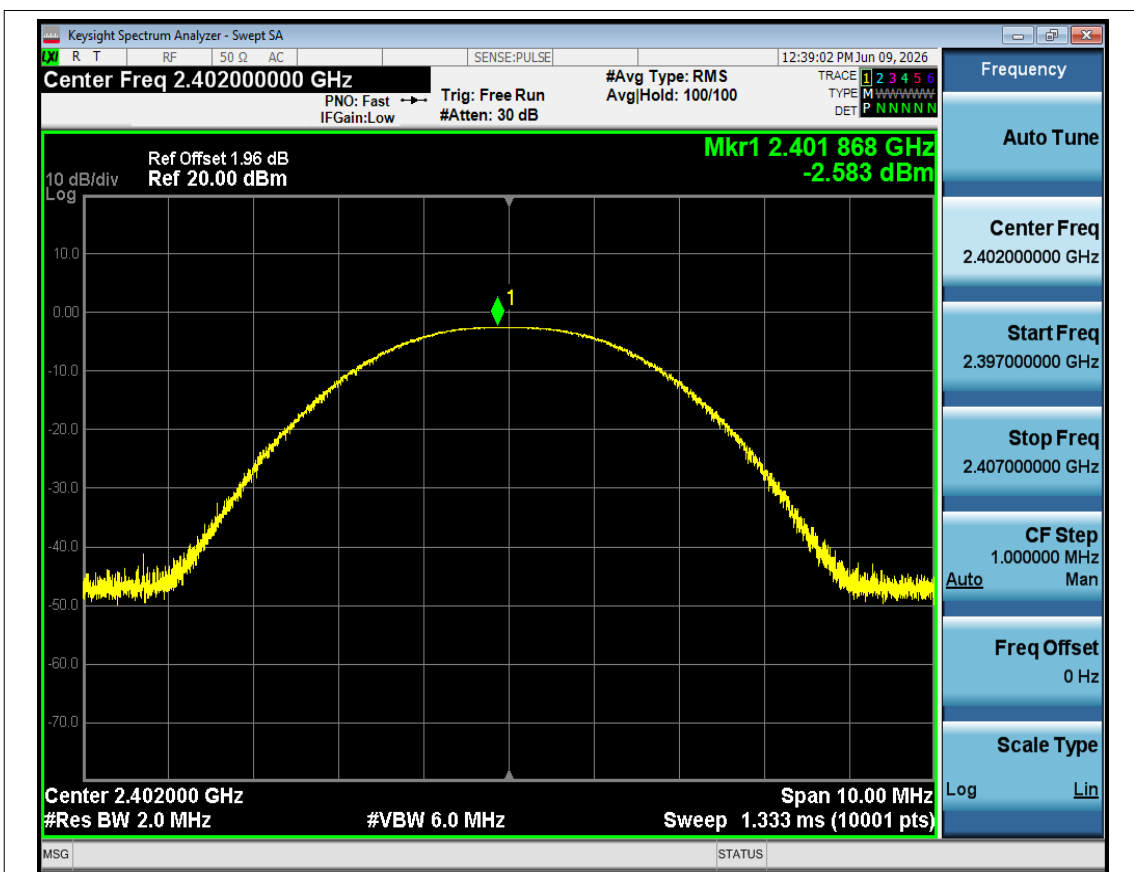


Duty Cycle NVNT 3-DH1 2441MHz Ant1

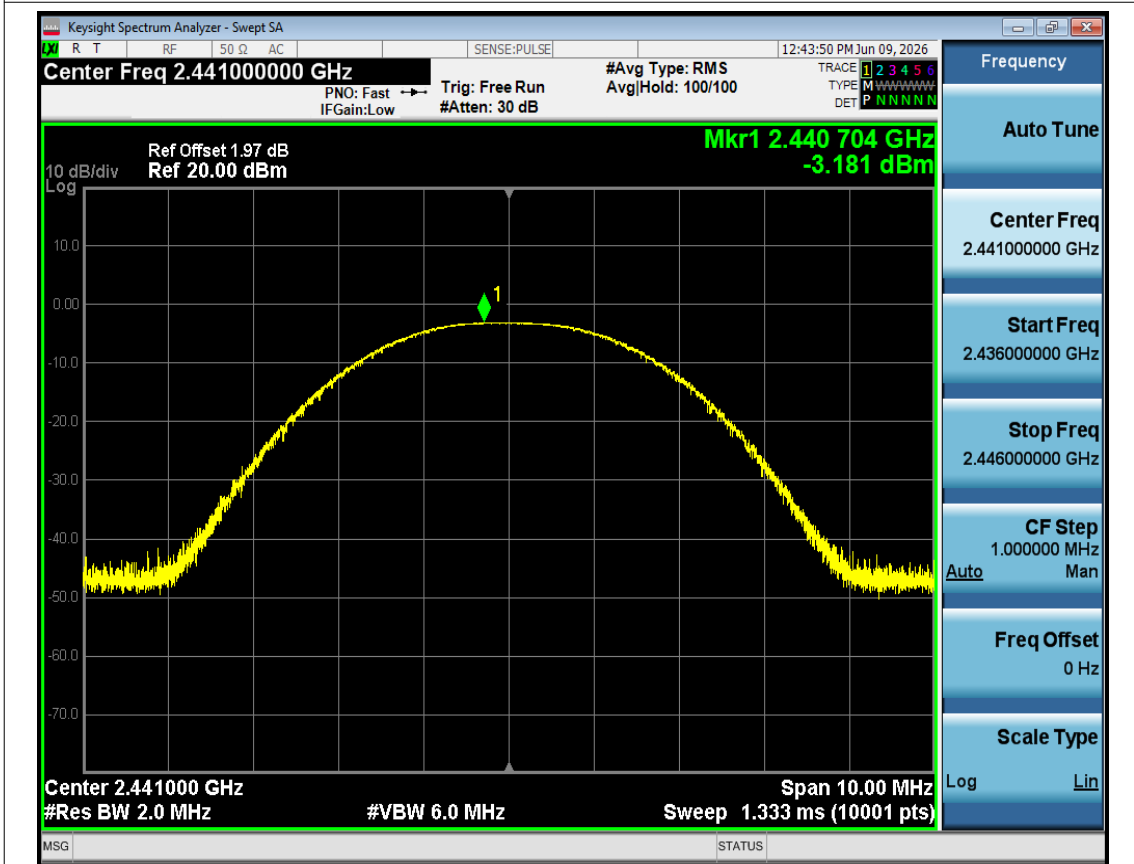


Maximum Peak Conducted Output Power

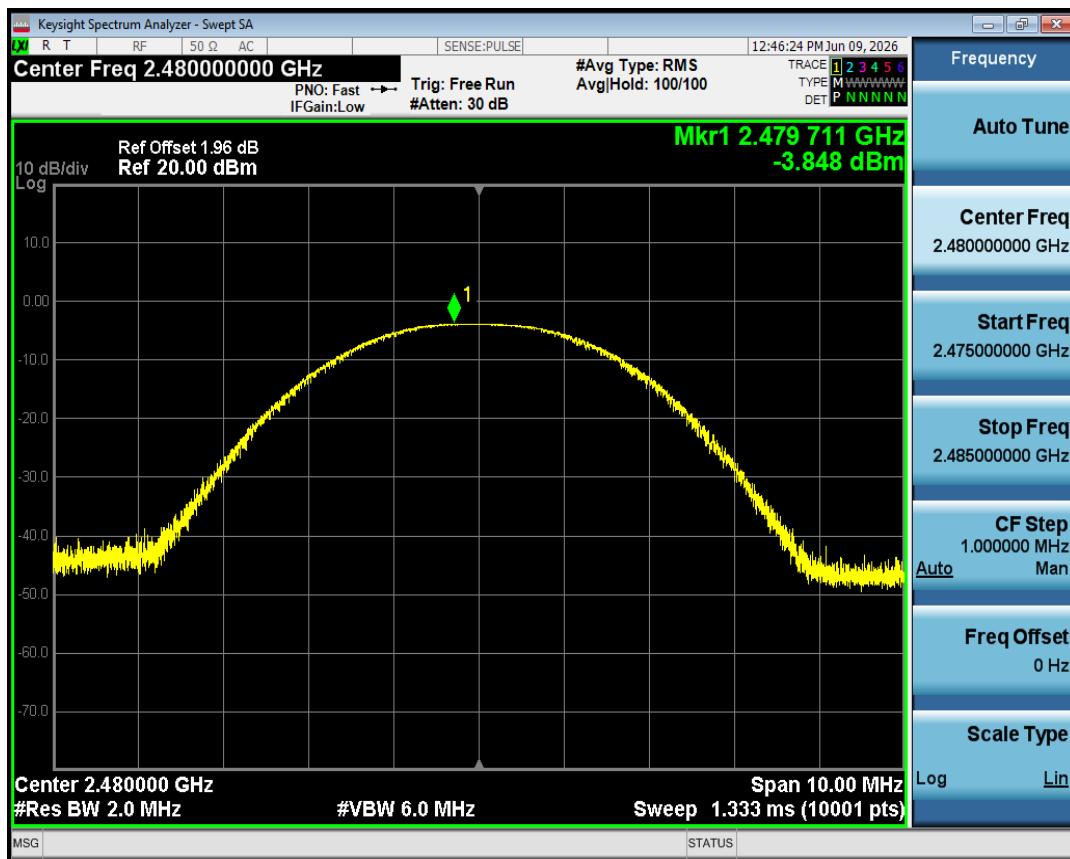
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-2.58	0.00055	21	Pass
NVNT	1-DH1	2441	Ant1	-3.18	0.00048	21	Pass
NVNT	1-DH1	2480	Ant1	-3.85	0.00041	21	Pass
NVNT	2-DH1	2402	Ant1	-1.82	0.00066	21	Pass
NVNT	2-DH1	2441	Ant1	-2.36	0.00058	21	Pass
NVNT	2-DH1	2480	Ant1	-3.06	0.00049	21	Pass
NVNT	3-DH1	2402	Ant1	-1.2	0.00076	21	Pass
NVNT	3-DH1	2441	Ant1	-1.73	0.00067	21	Pass
NVNT	3-DH1	2480	Ant1	-2.52	0.00056	21	Pass



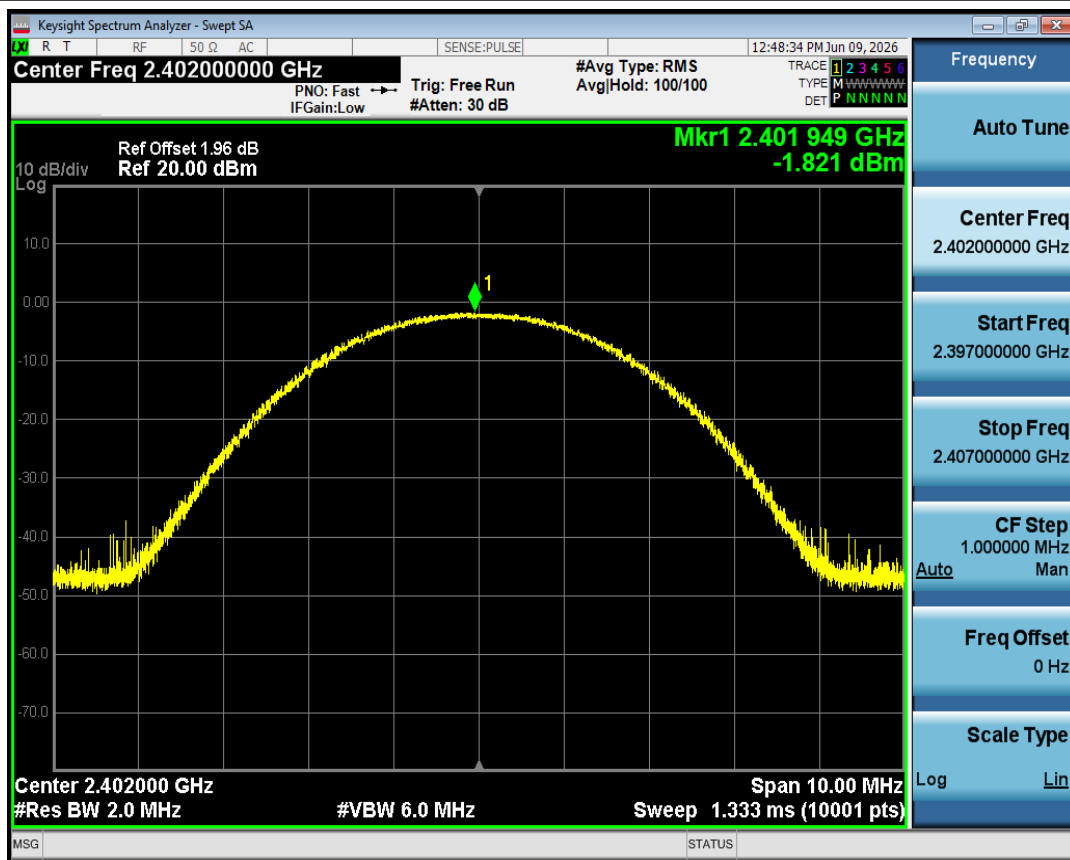
Peak Power NVNT 1-DH1 2402MHz Ant1



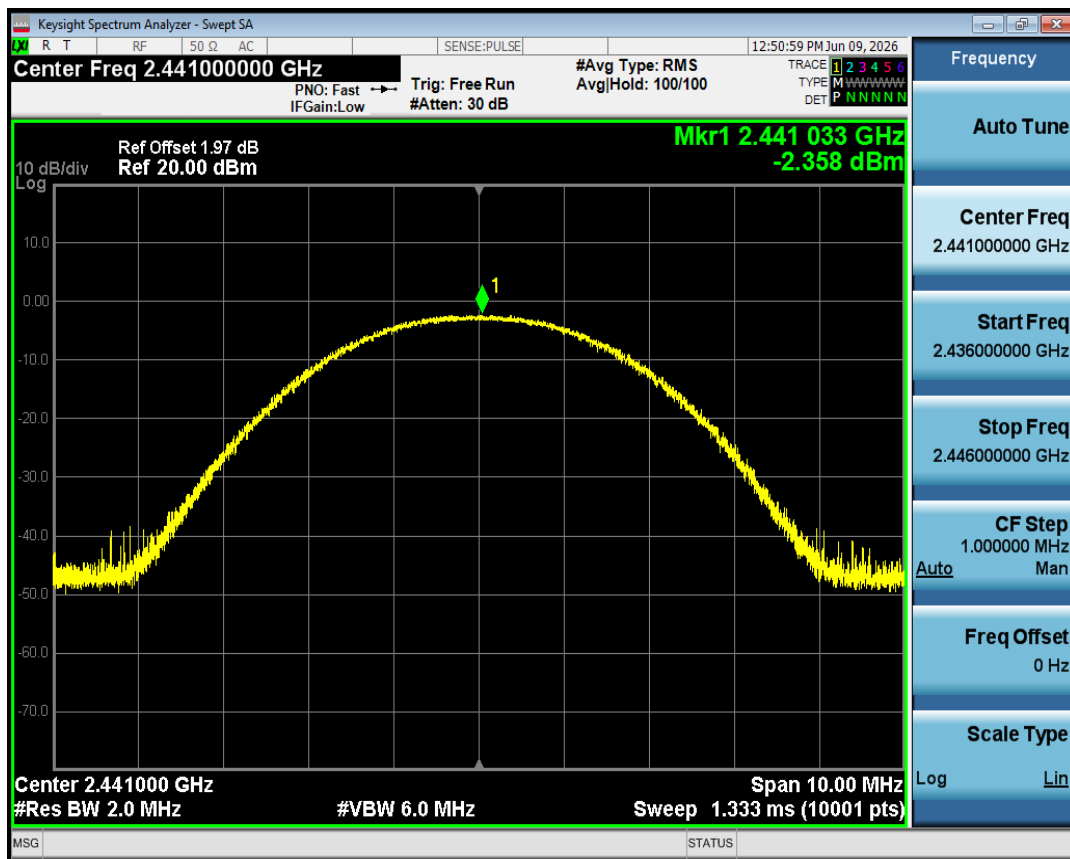
Peak Power NVNT 1-DH1 2441MHz Ant1



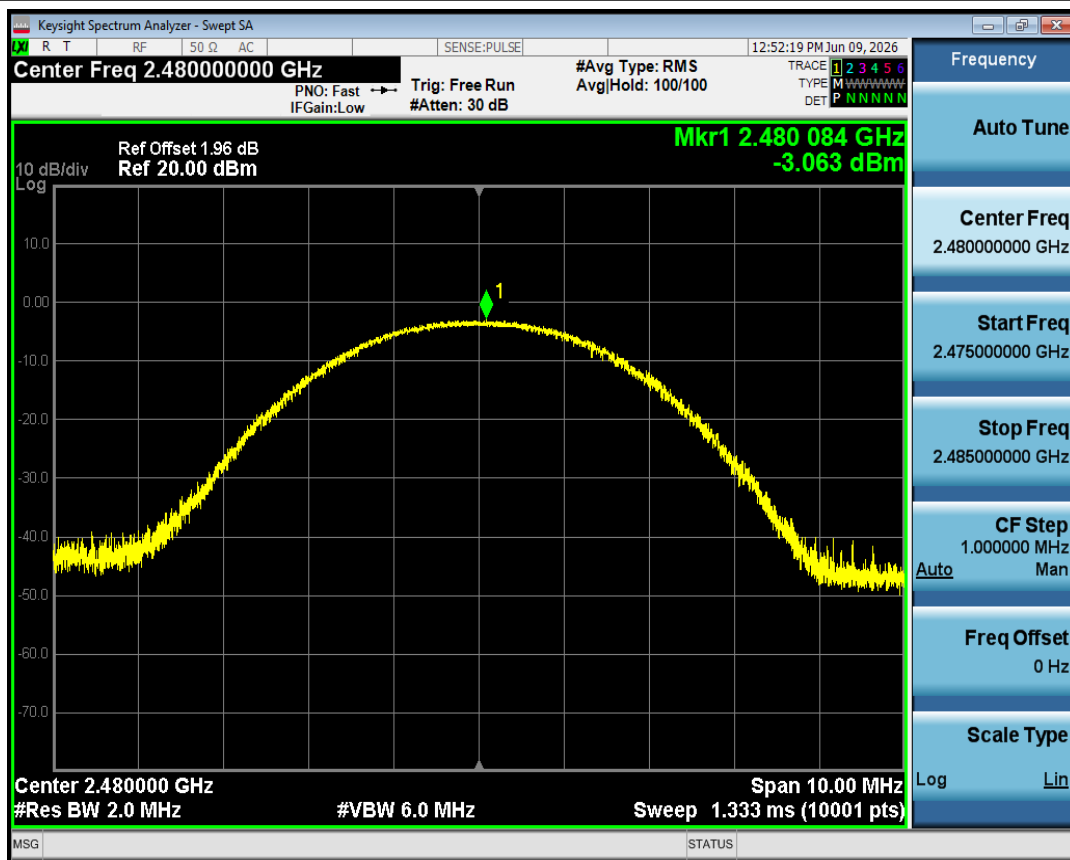
Peak Power NVNT 1-DH1 2480MHz Ant1



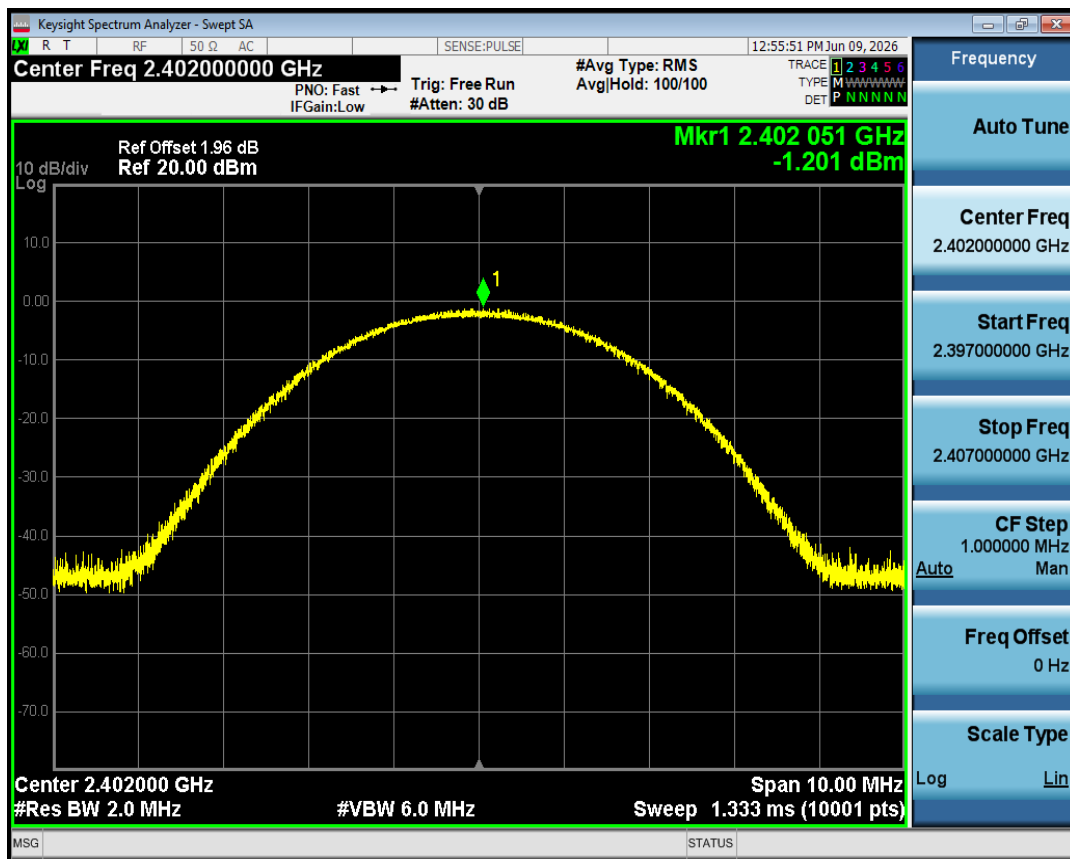
Peak Power NVNT 2-DH1 2402MHz Ant1



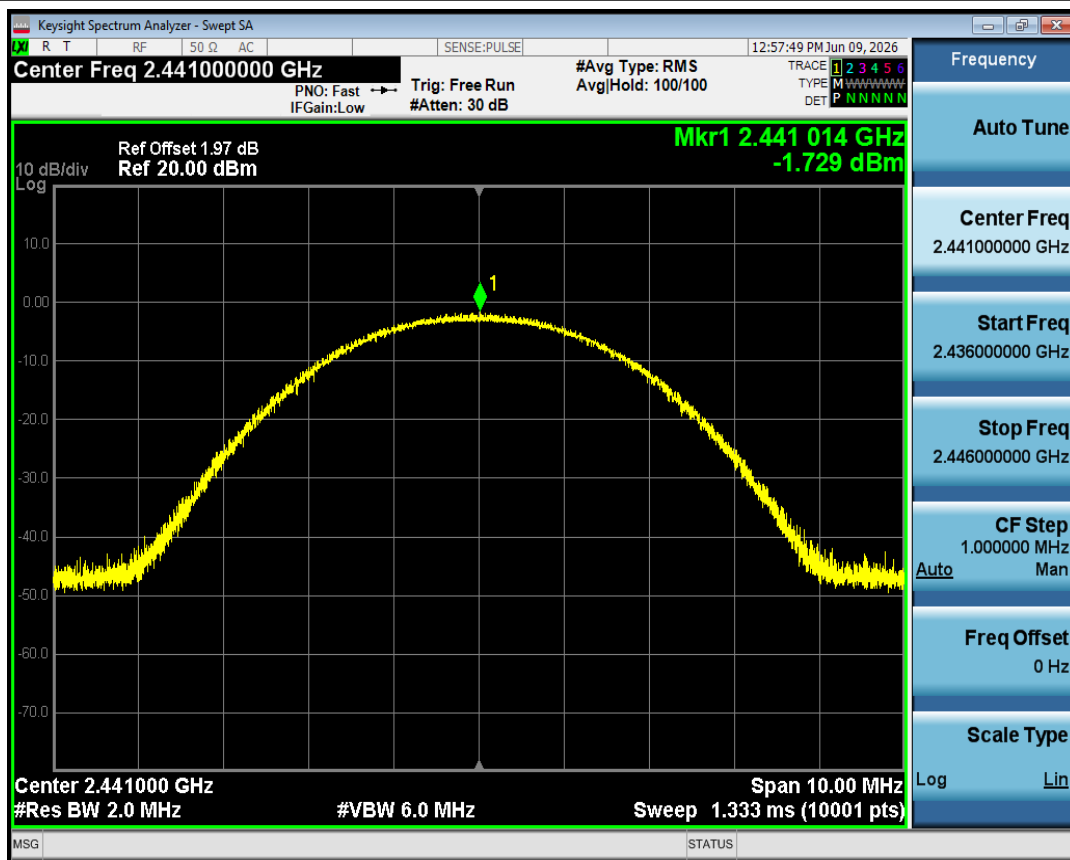
Peak Power NVNT 2-DH1 2441MHz Ant1



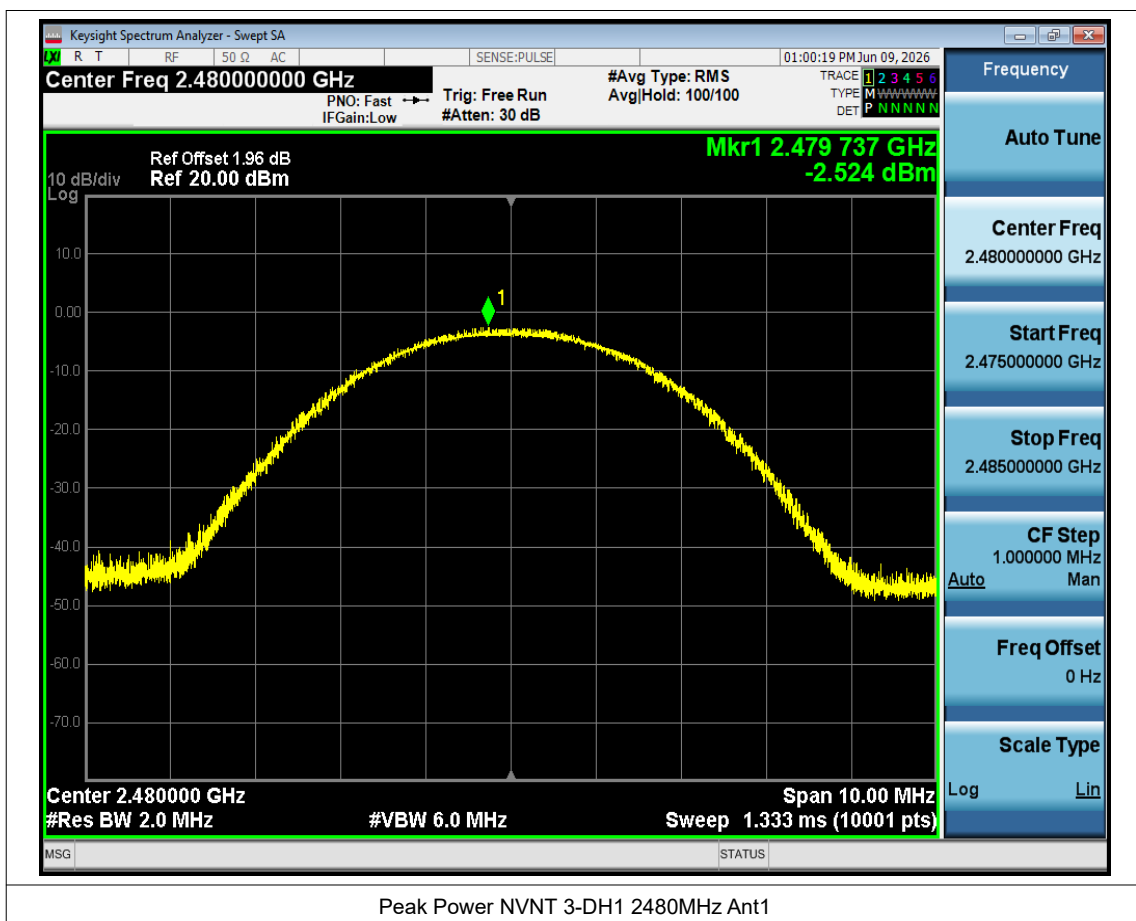
Peak Power NVNT 2-DH1 2480MHz Ant1



Peak Power NVNT 3-DH1 2402MHz Ant1



Peak Power NVNT 3-DH1 2441MHz Ant1



-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.033	Pass
NVNT	1-DH1	2441	Ant1	1.032	Pass
NVNT	1-DH1	2480	Ant1	1.017	Pass
NVNT	2-DH1	2402	Ant1	1.244	Pass
NVNT	2-DH1	2441	Ant1	1.28	Pass
NVNT	2-DH1	2480	Ant1	1.267	Pass
NVNT	3-DH1	2402	Ant1	1.248	Pass
NVNT	3-DH1	2441	Ant1	1.202	Pass
NVNT	3-DH1	2480	Ant1	1.245	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



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.94957
NVNT	1-DH1	2441	Ant1	0.97275
NVNT	1-DH1	2480	Ant1	0.97036
NVNT	2-DH1	2402	Ant1	1.1909
NVNT	2-DH1	2441	Ant1	1.1923
NVNT	2-DH1	2480	Ant1	1.2038
NVNT	3-DH1	2402	Ant1	1.1777
NVNT	3-DH1	2441	Ant1	1.2109
NVNT	3-DH1	2480	Ant1	1.1921



OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1



OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1



OBW NVNT 3-DH1 2402MHz Ant1

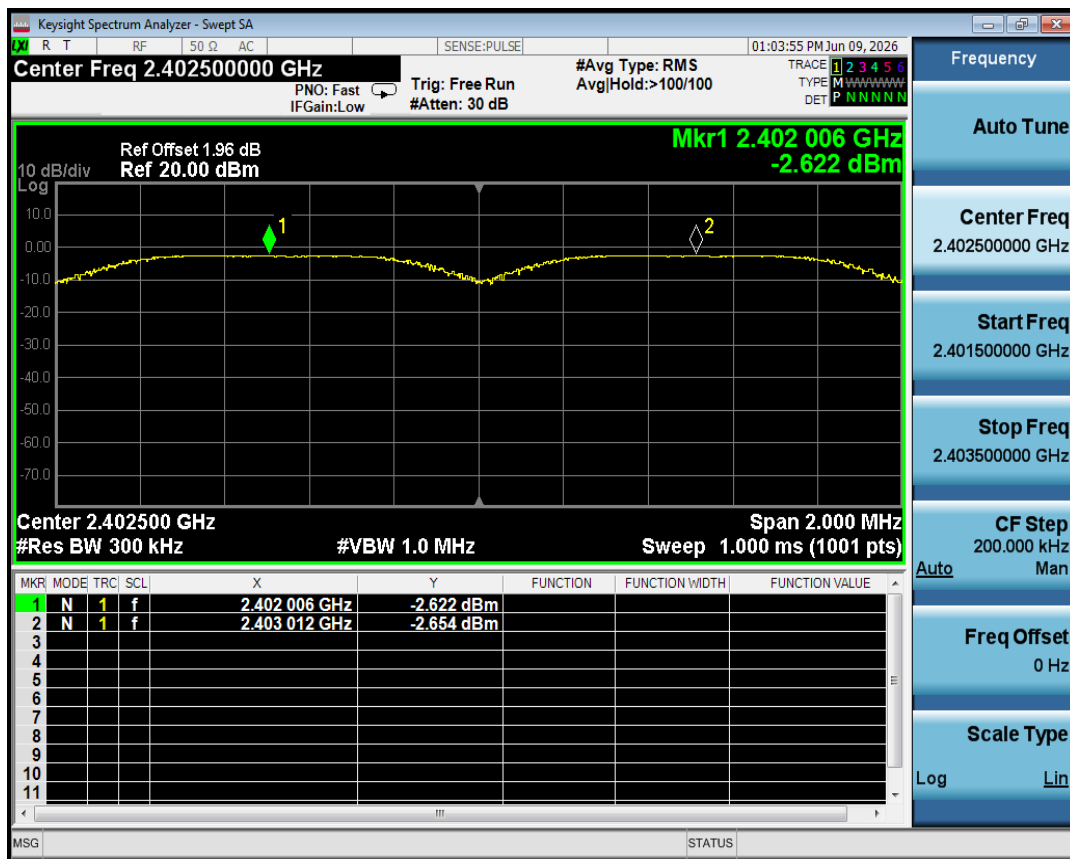


OBW NVNT 3-DH1 2441MHz Ant1

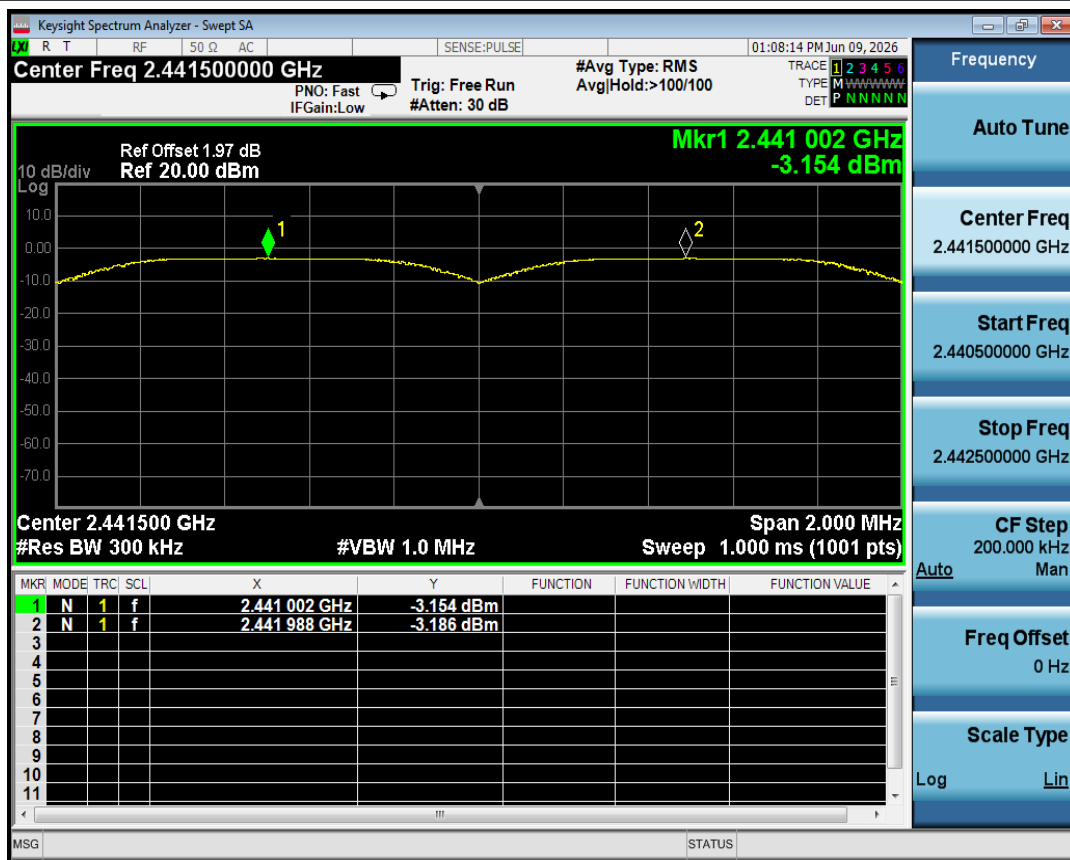


Carrier Frequencies Separation

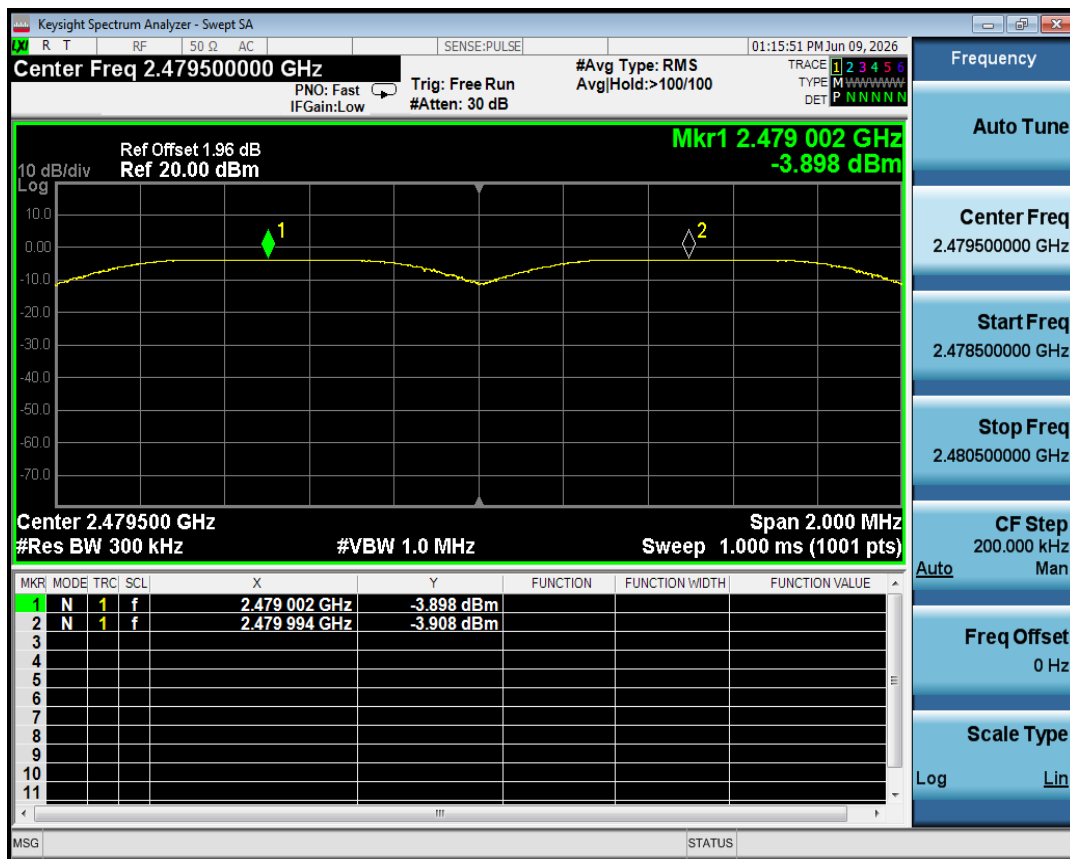
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2402.006	2403.012	1.006	0.689	Pass
NVNT	1-DH1	Ant1	2441.002	2441.988	0.986	0.688	Pass
NVNT	1-DH1	Ant1	2479.002	2479.994	0.992	0.678	Pass
NVNT	2-DH1	Ant1	2402.002	2402.99	0.988	0.829	Pass
NVNT	2-DH1	Ant1	2441.002	2441.996	0.994	0.853	Pass
NVNT	2-DH1	Ant1	2478.982	2479.998	1.016	0.845	Pass
NVNT	3-DH1	Ant1	2402.012	2402.984	0.972	0.832	Pass
NVNT	3-DH1	Ant1	2440.996	2441.99	0.994	0.801	Pass
NVNT	3-DH1	Ant1	2478.984	2480.012	1.028	0.83	Pass



CFS NVNT 1-DH1 2402MHz Ant1



CFS NVNT 1-DH1 2441MHz Ant1



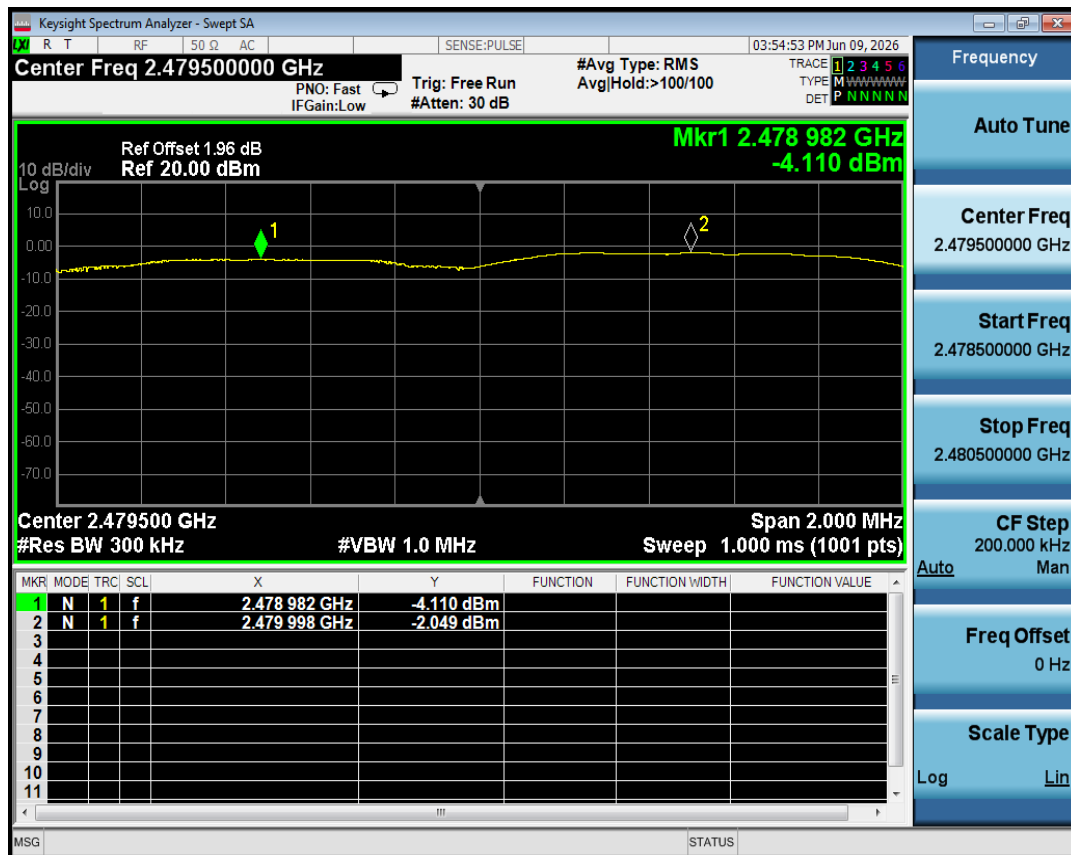
CFS NVNT 1-DH1 2480MHz Ant1



CFS NVNT 2-DH1 2402MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



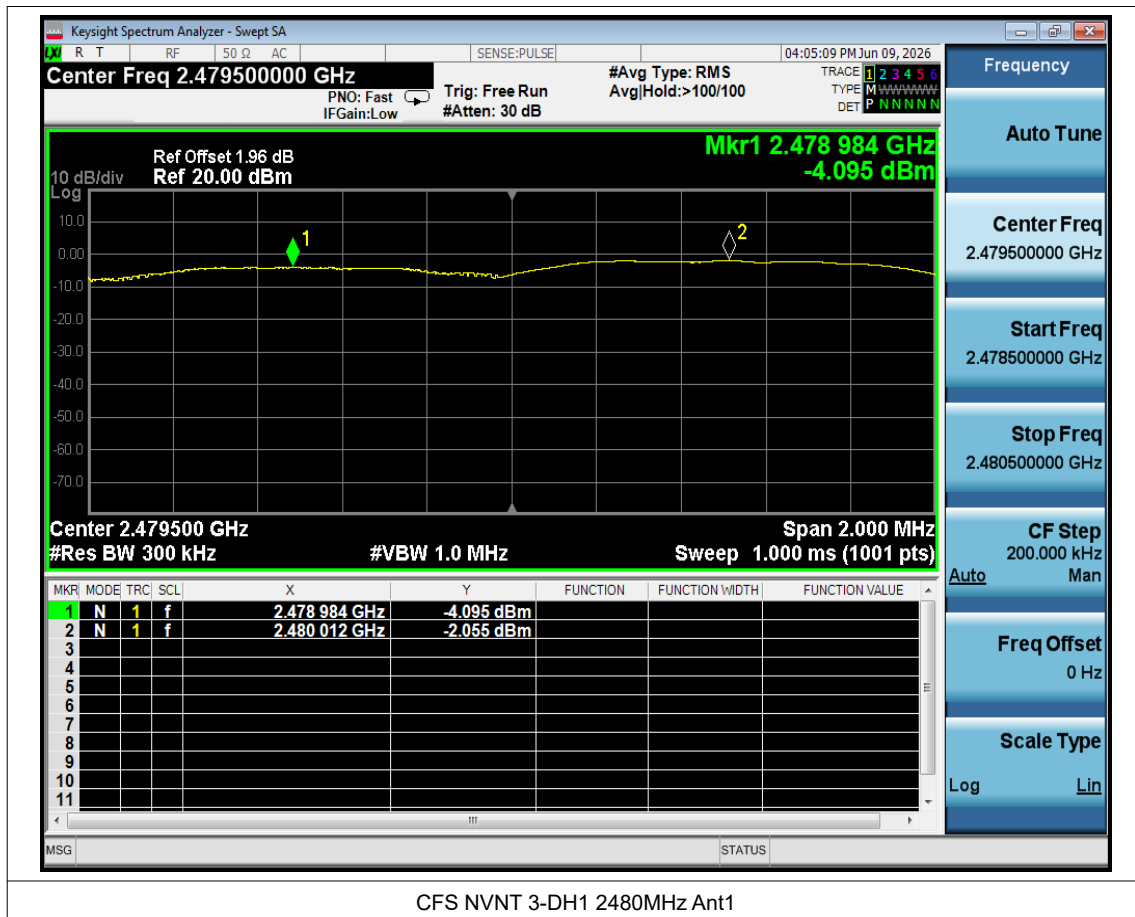
CFS NVNT 2-DH1 2480MHz Ant1



CFS NVNT 3-DH1 2402MHz Ant1

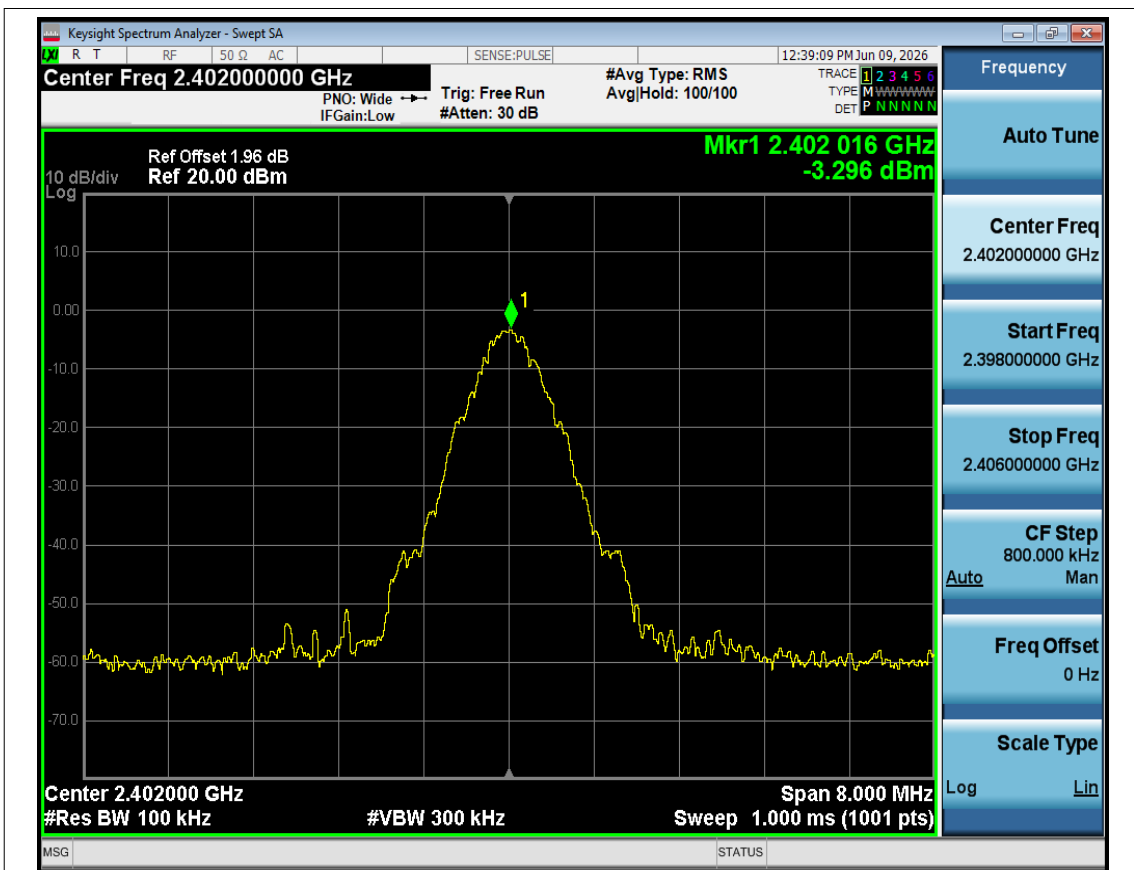


CFS NVNT 3-DH1 2441MHz Ant1

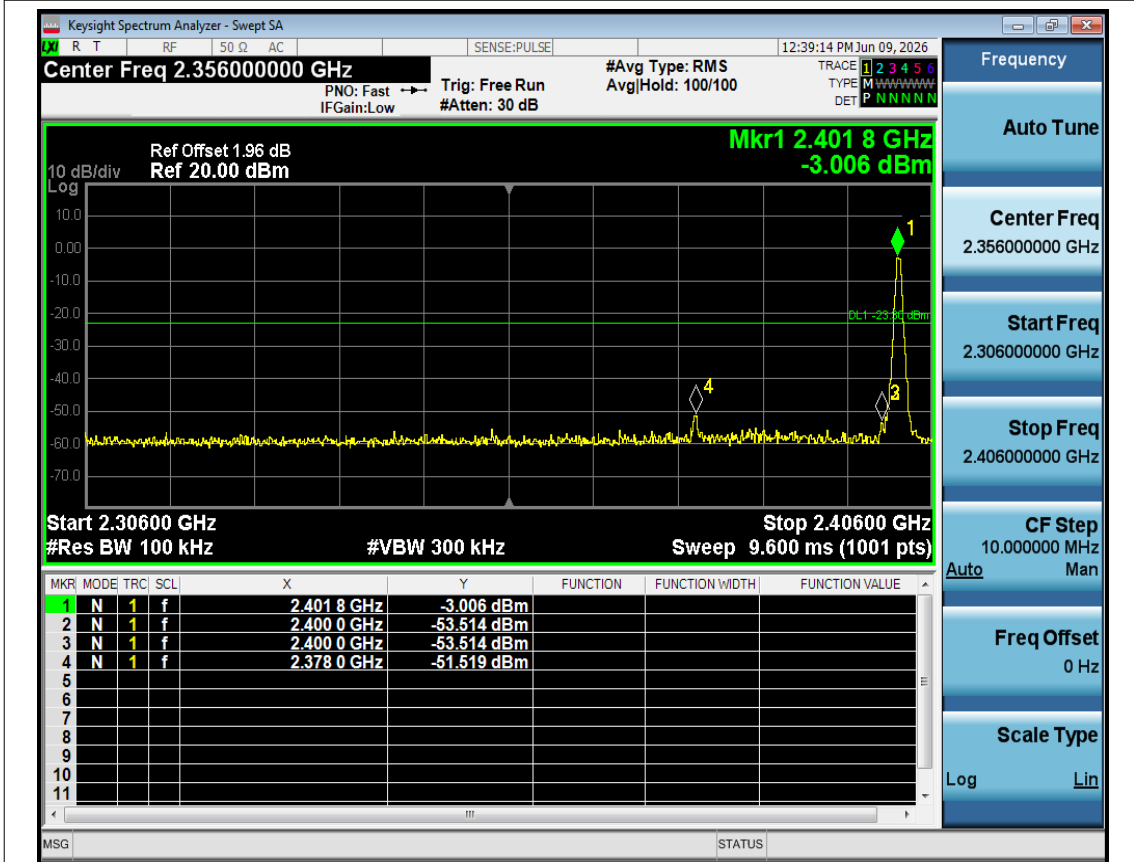


Band Edge

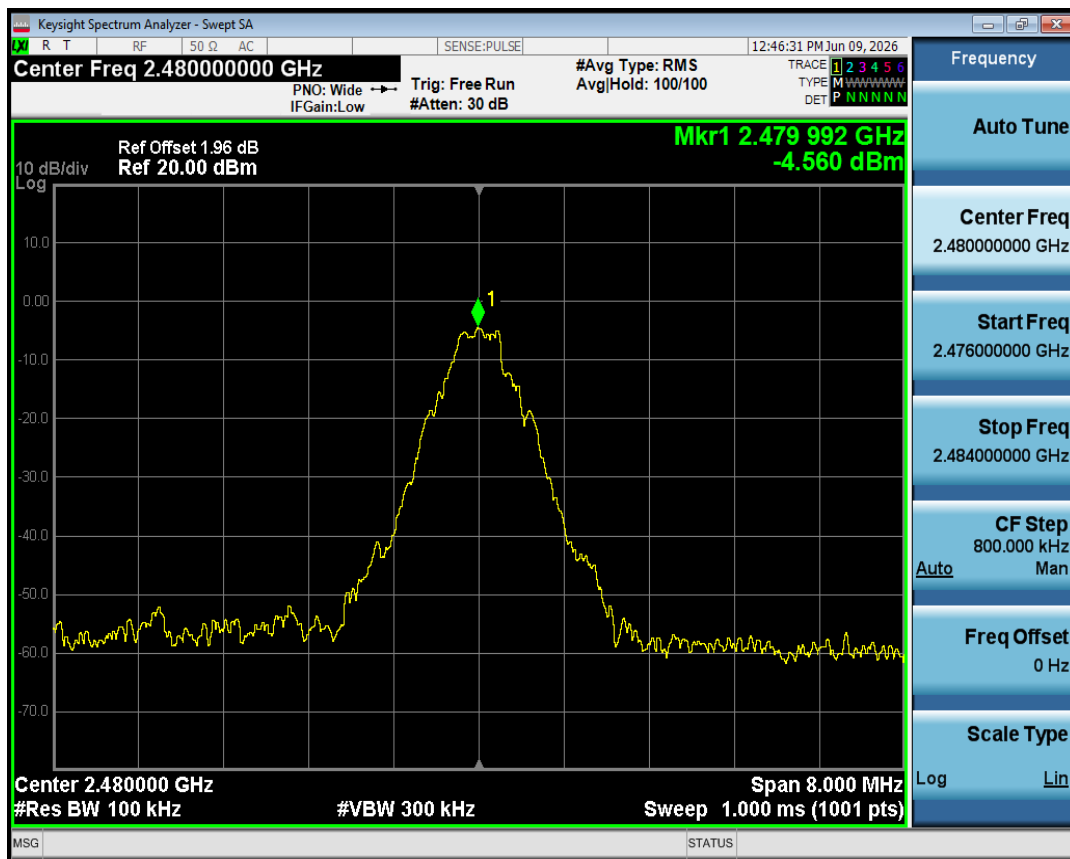
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-48.21	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-51.66	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-49.07	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-50.63	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-48.4	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-51.64	-20	Pass



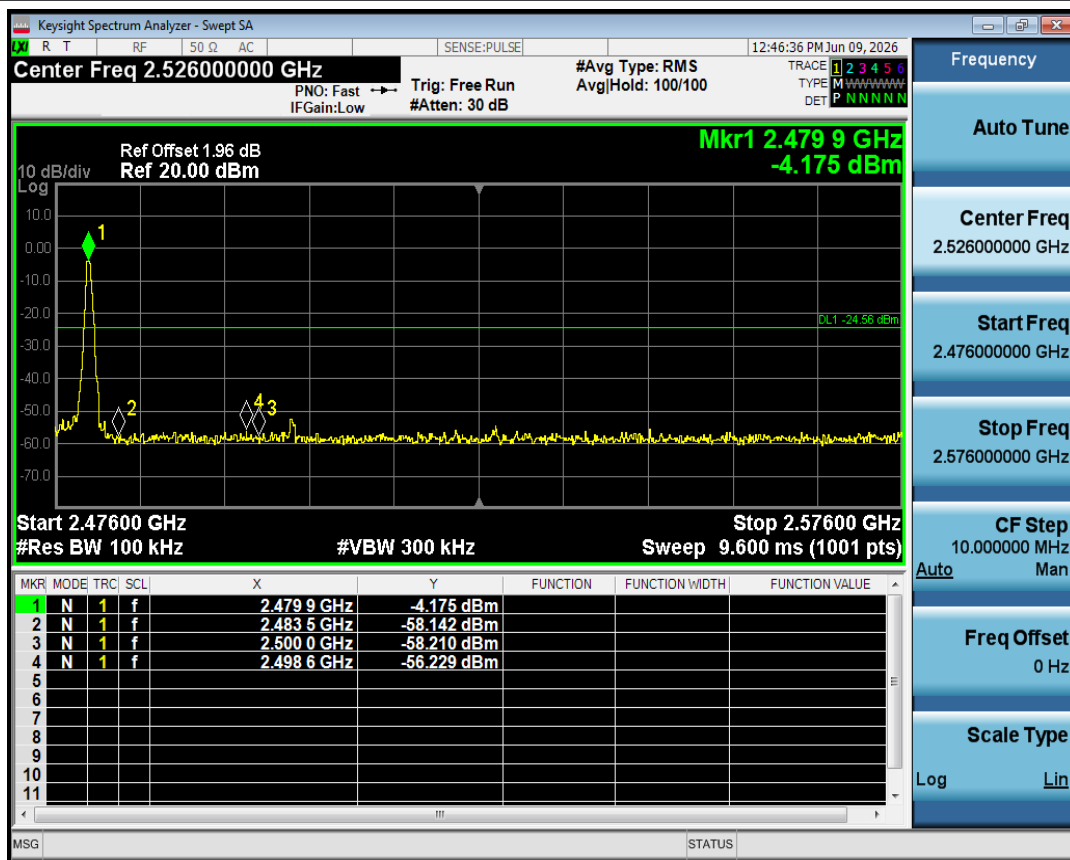
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



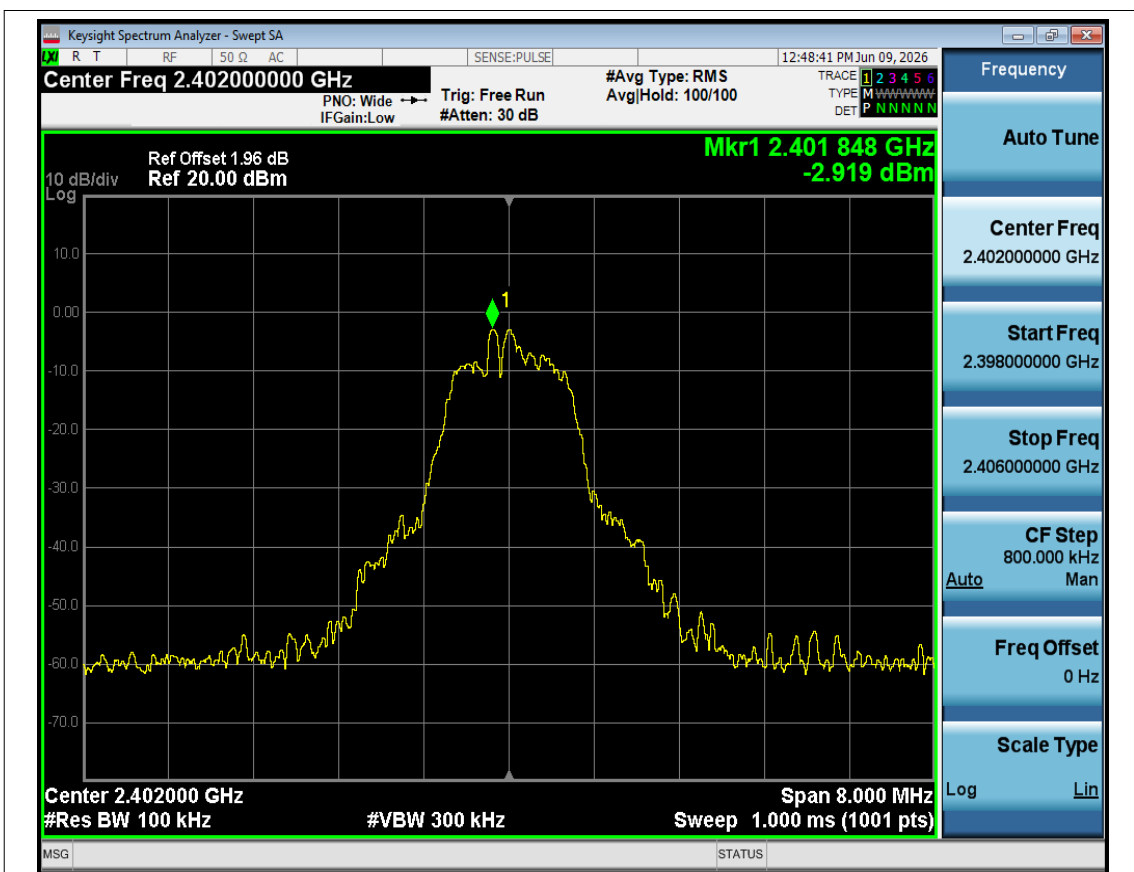
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



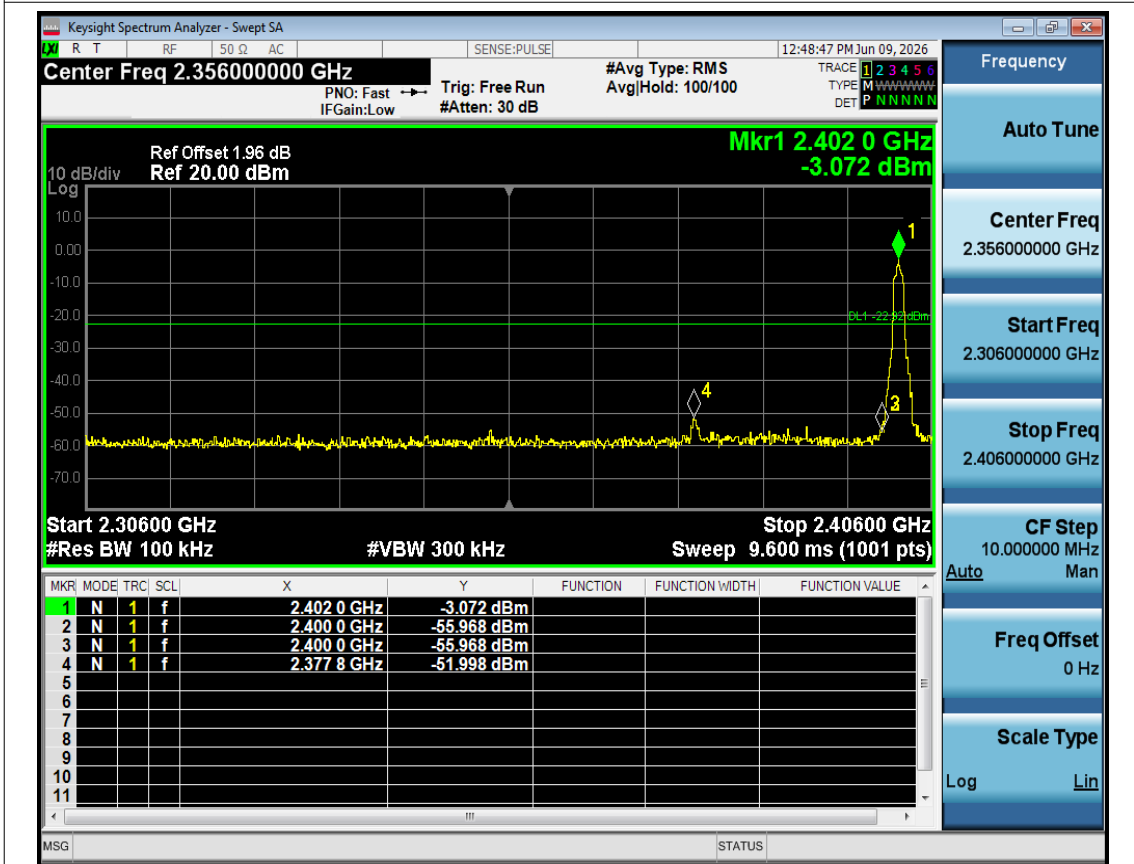
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



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



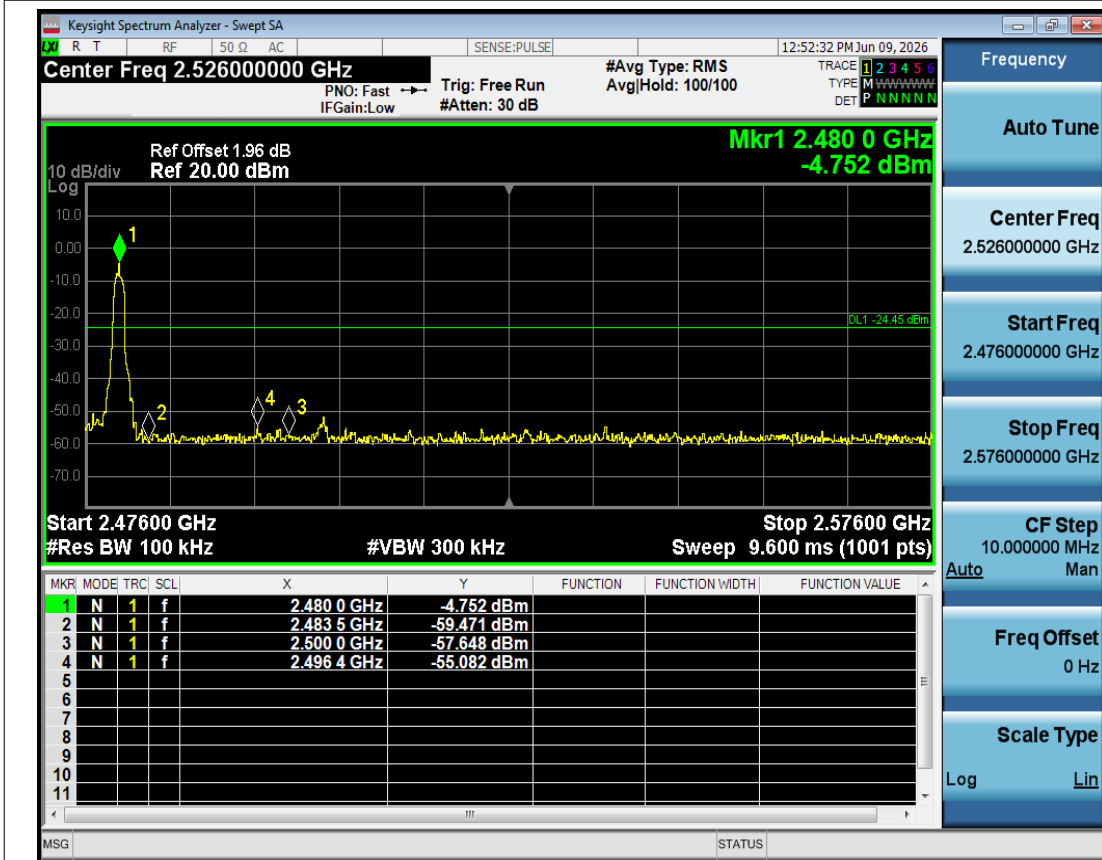
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



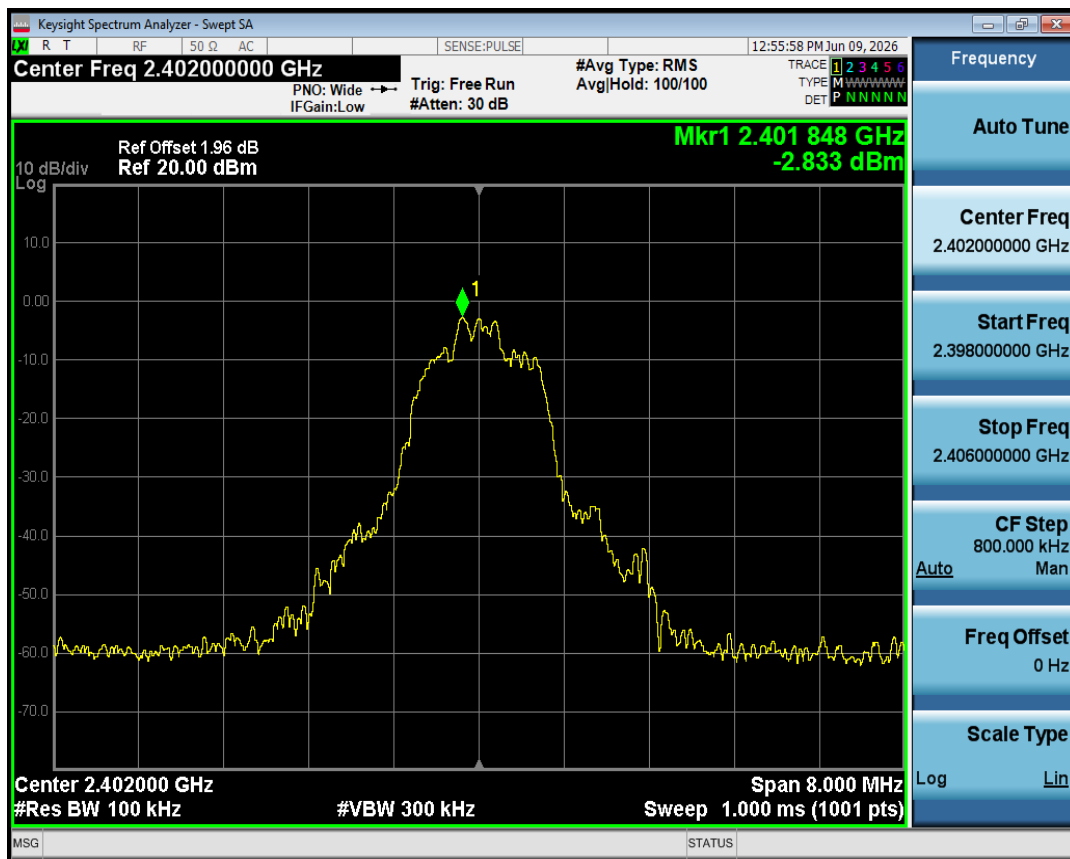
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



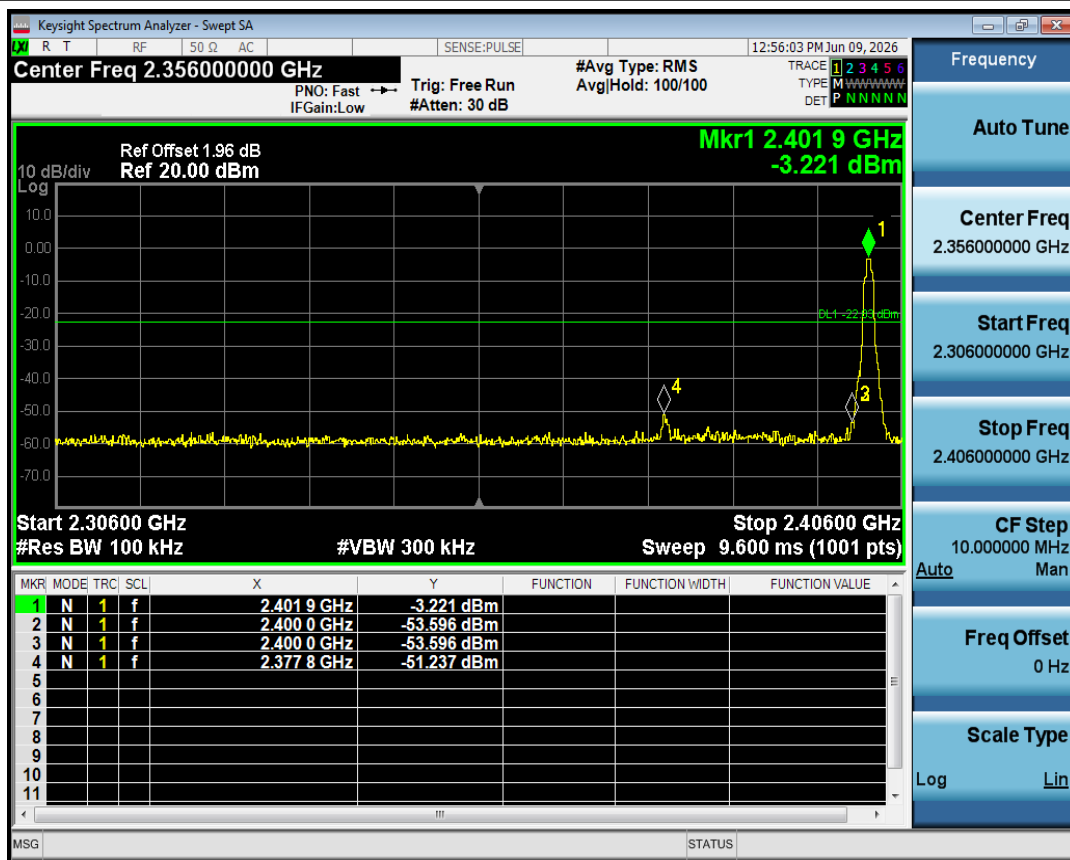
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



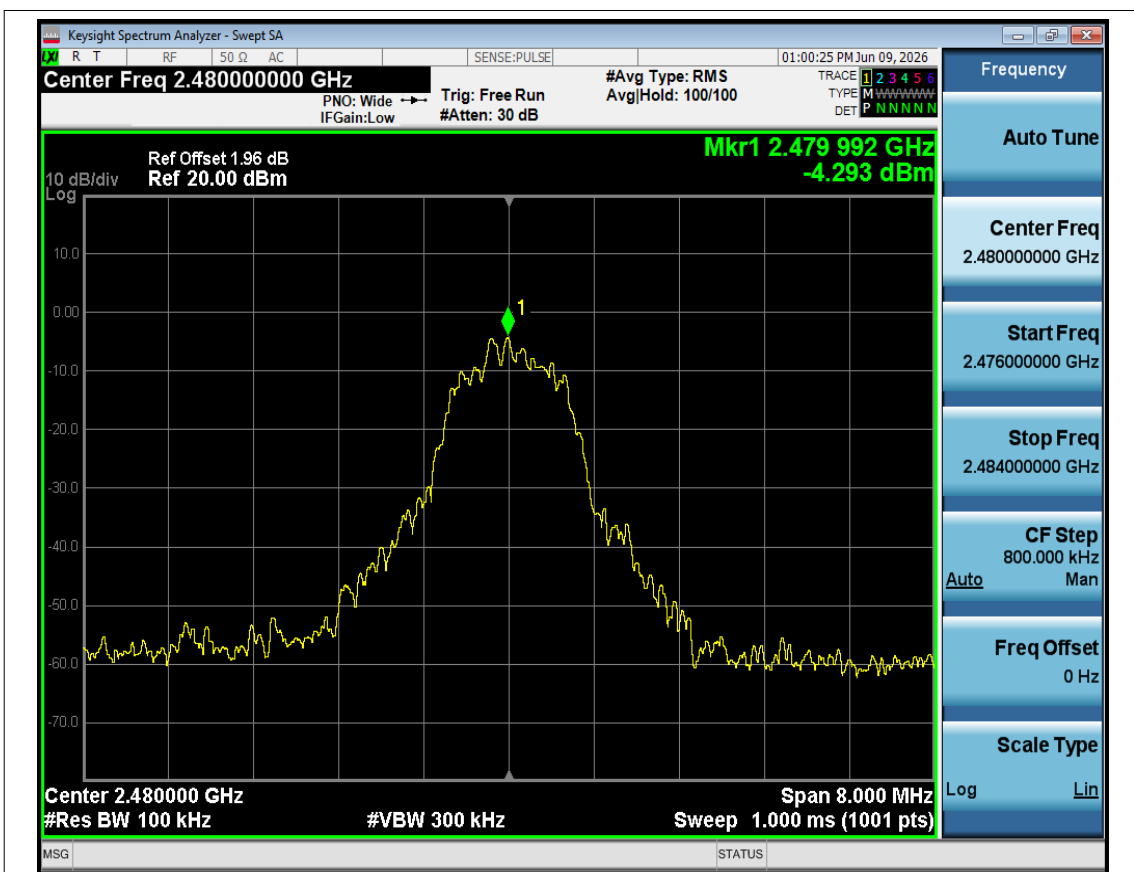
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



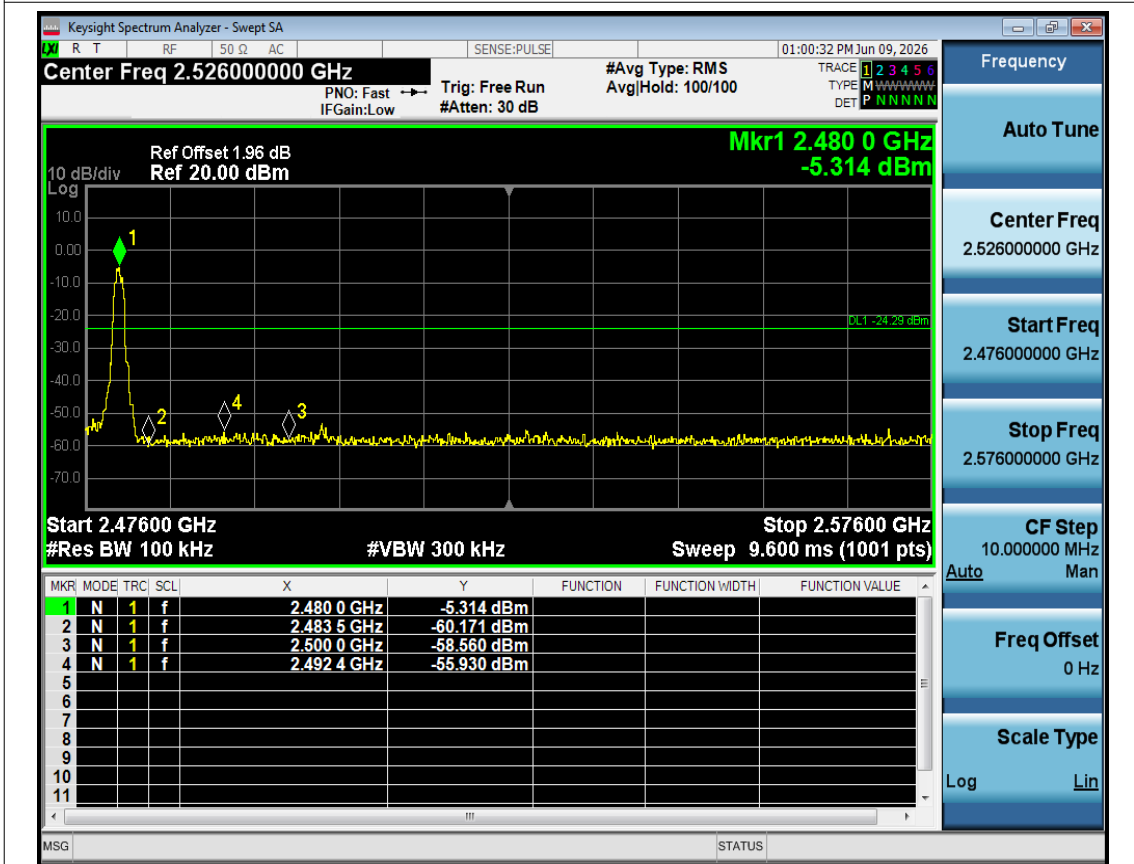
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



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



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



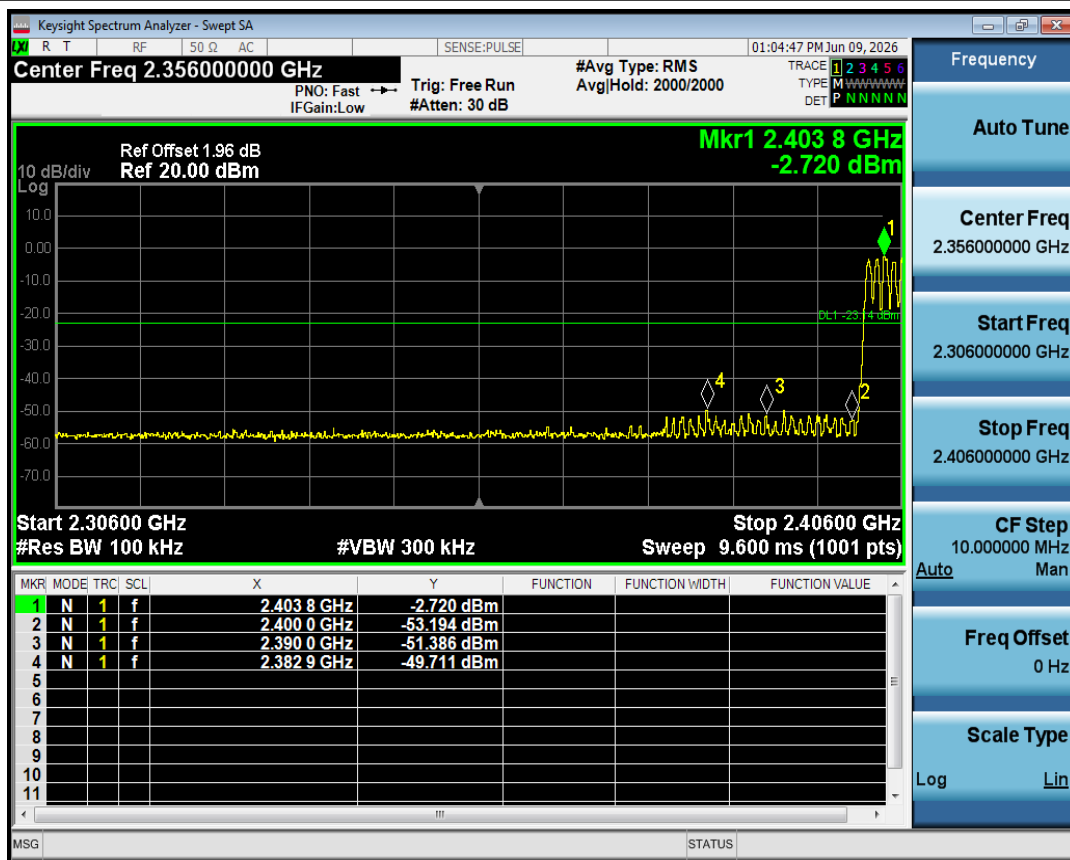
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-46.57	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-47.64	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-48.87	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-49.06	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-47.88	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-49.43	-20	Pass



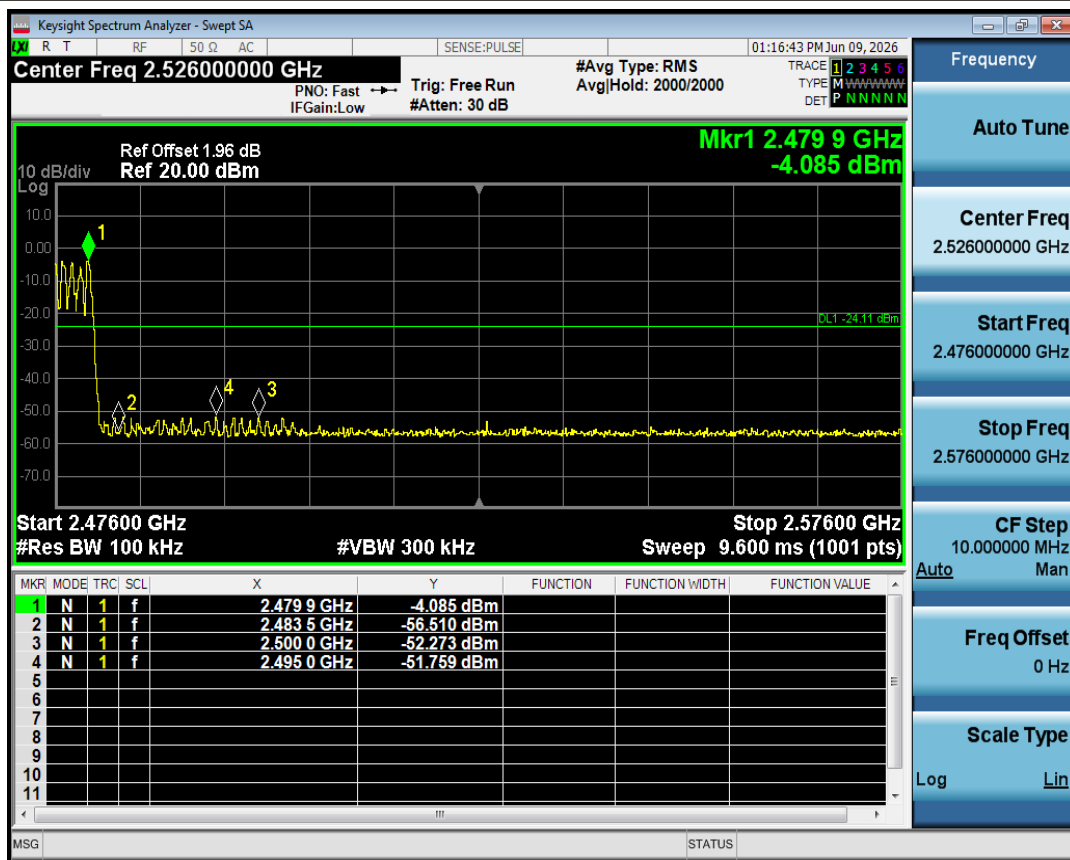
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



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



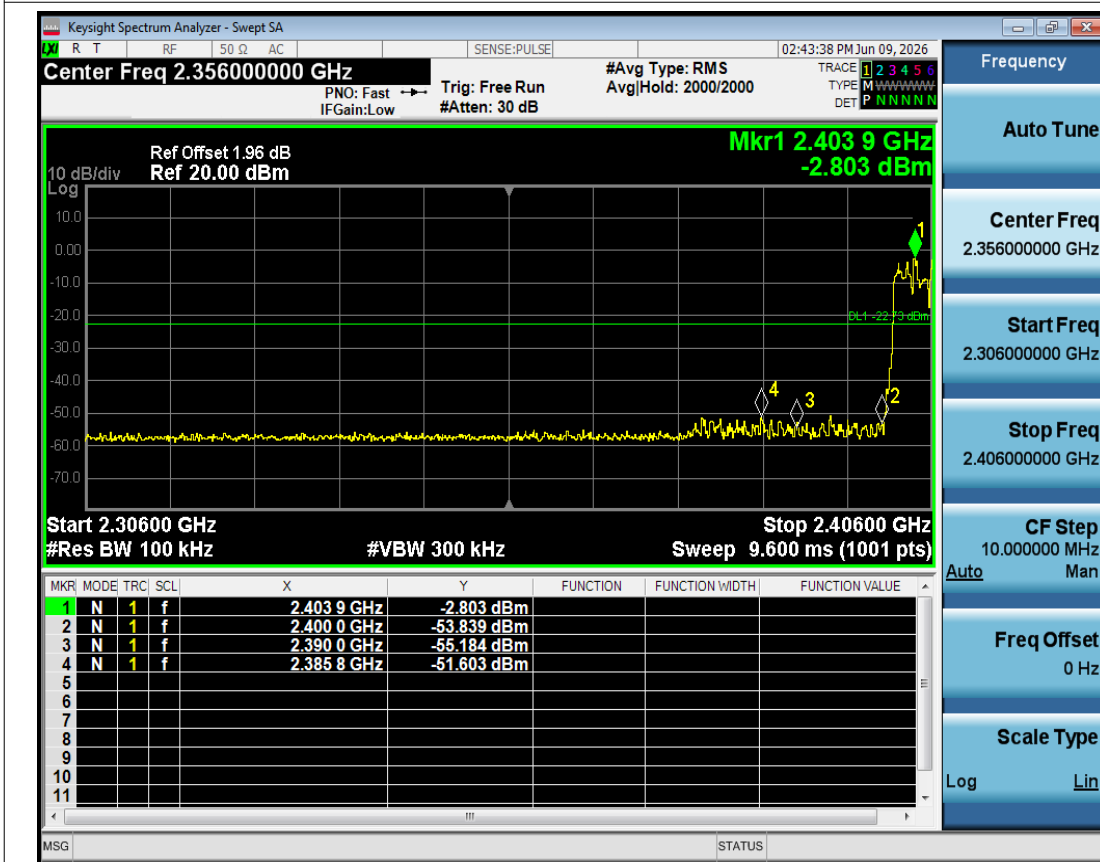
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



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



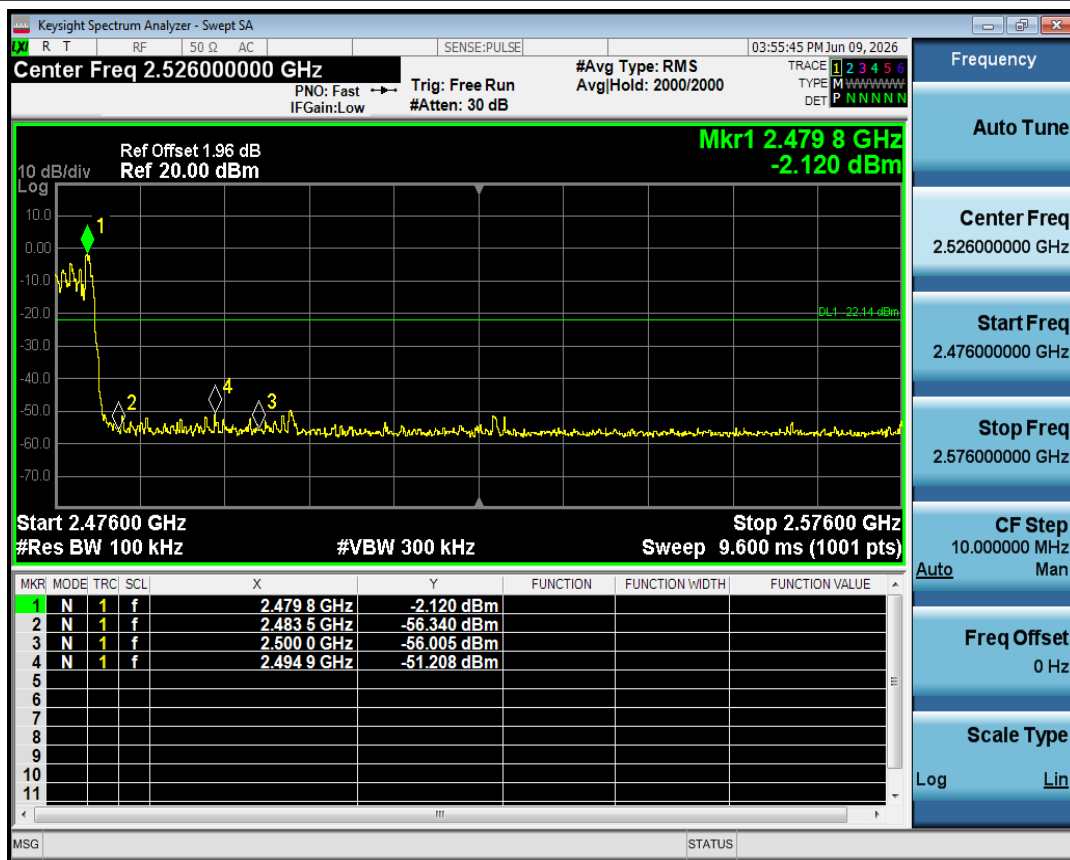
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



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



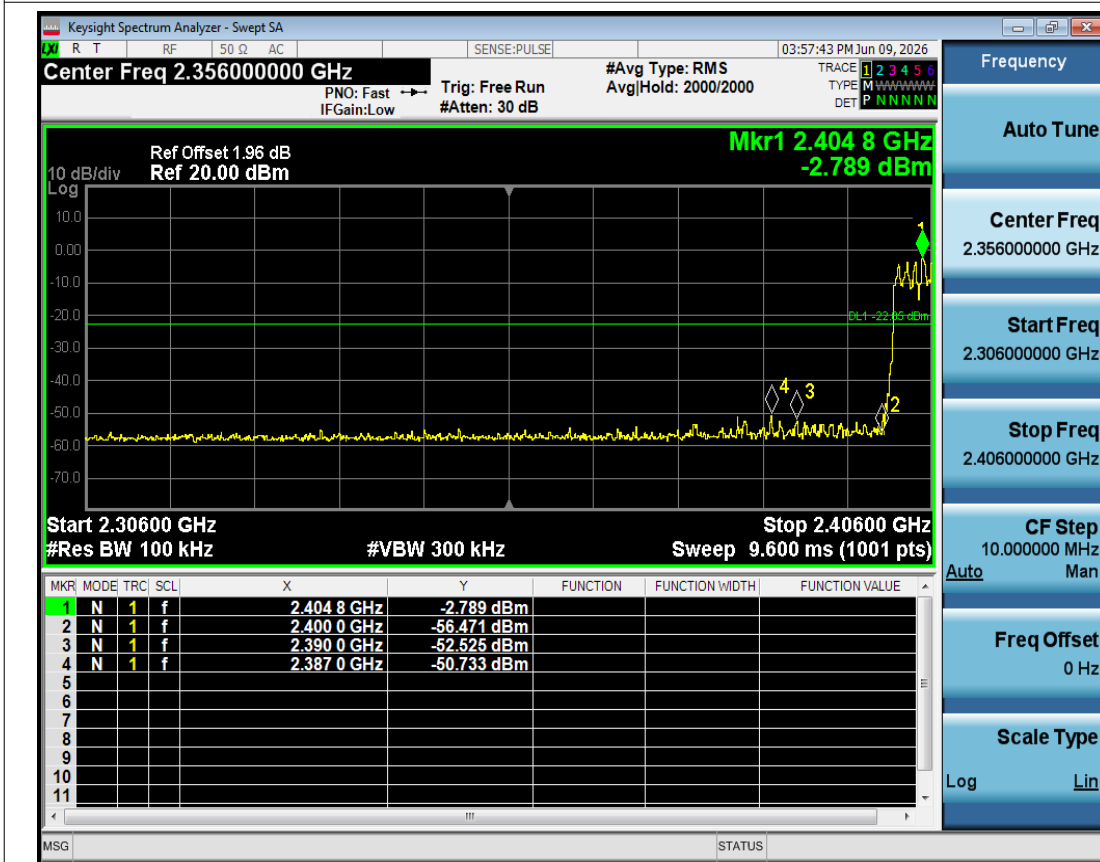
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



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



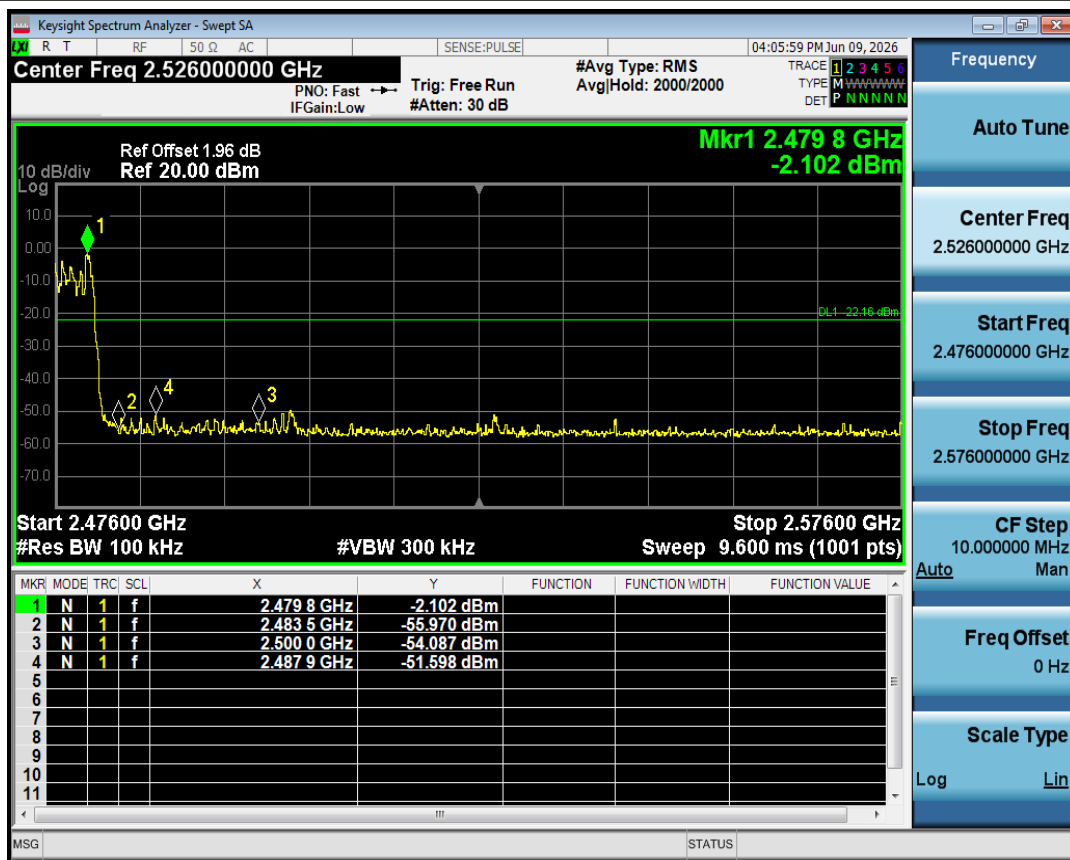
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



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



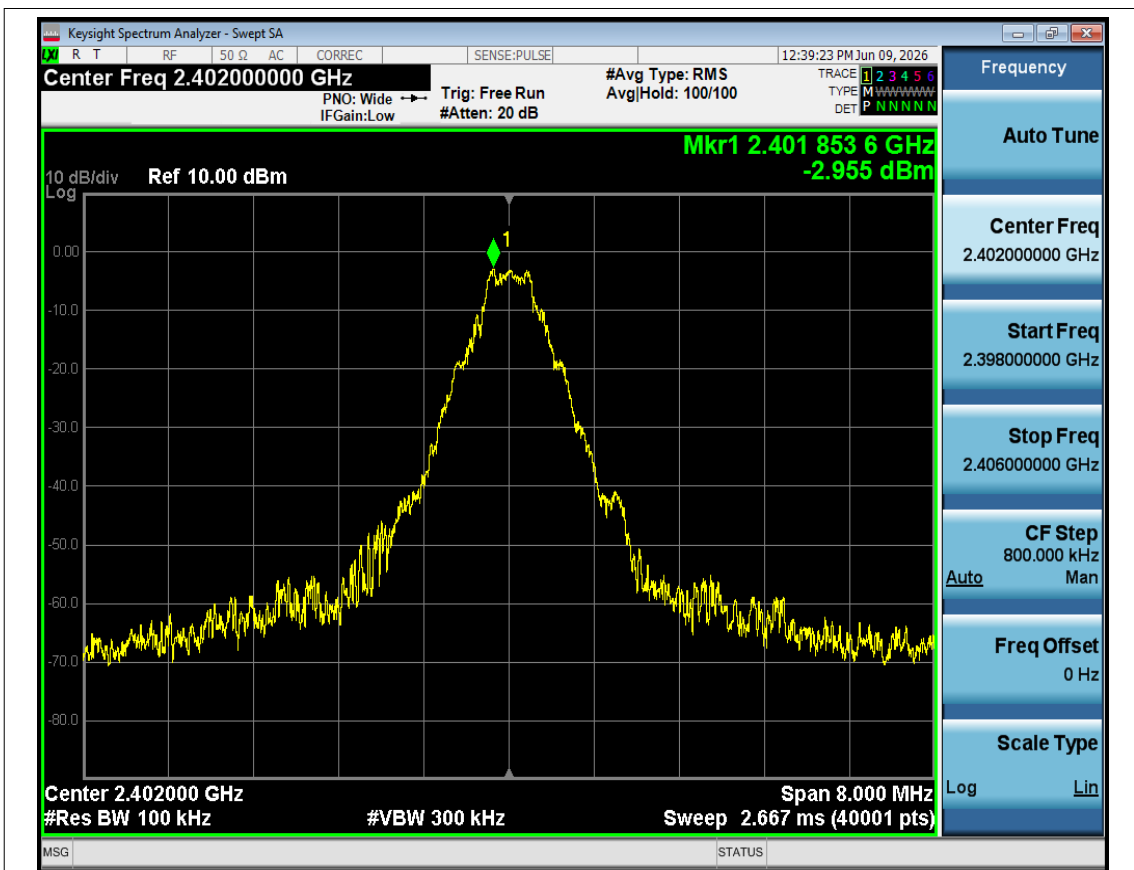
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



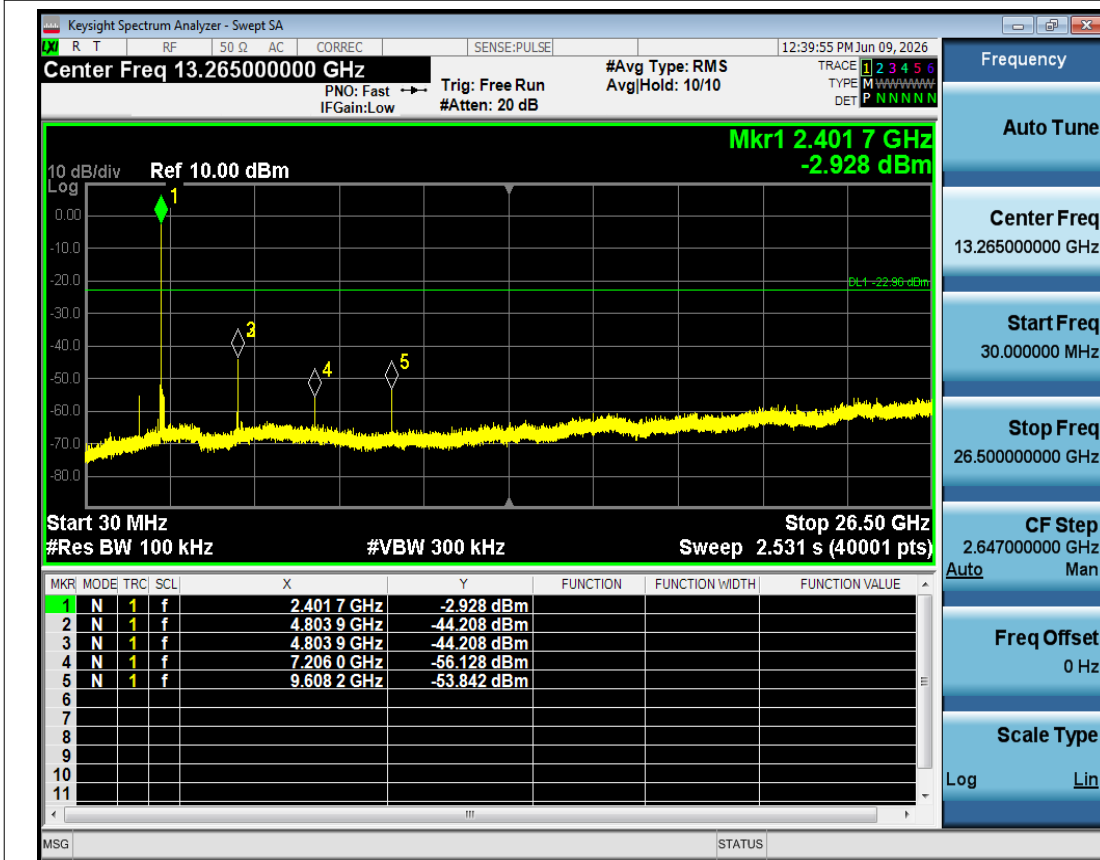
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

Conducted RF Spurious Emission

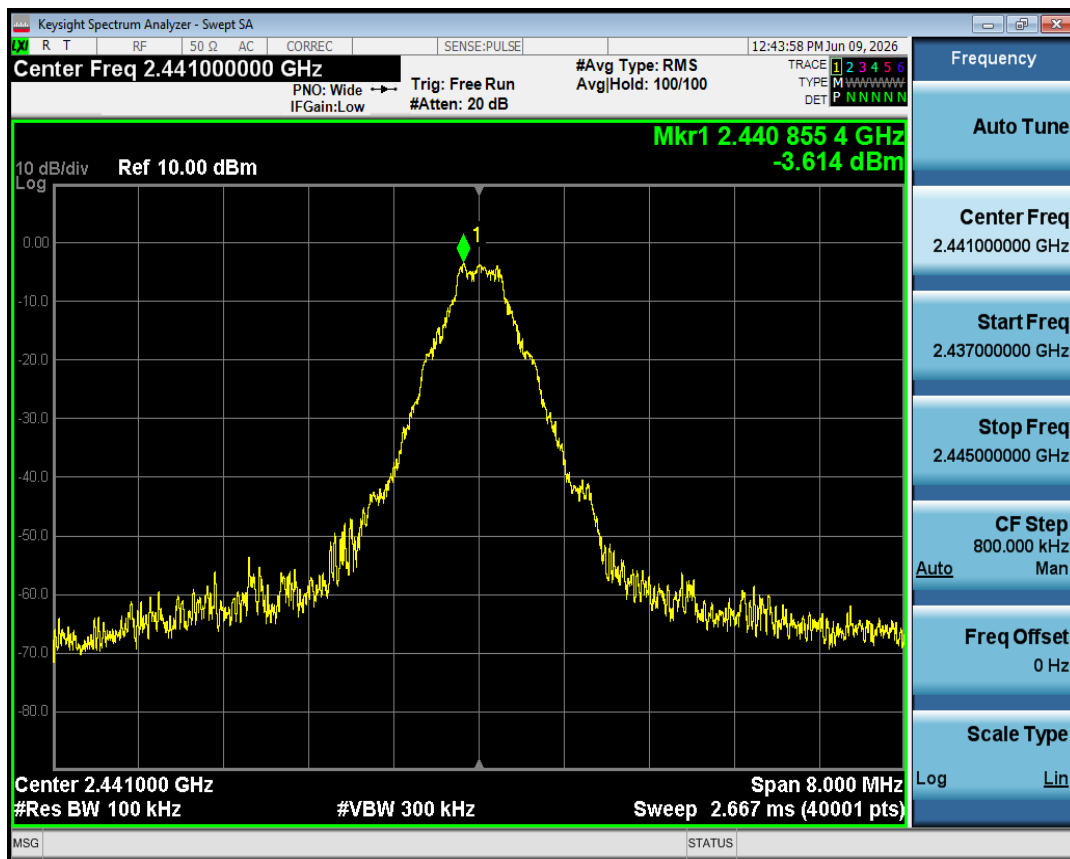
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-41.25	-20	Pass
NVNT	1-DH1	2441	Ant1	-39.75	-20	Pass
NVNT	1-DH1	2480	Ant1	-40.77	-20	Pass
NVNT	2-DH1	2402	Ant1	-42.98	-20	Pass
NVNT	2-DH1	2441	Ant1	-40.39	-20	Pass
NVNT	2-DH1	2480	Ant1	-40.55	-20	Pass
NVNT	3-DH1	2402	Ant1	-45.17	-20	Pass
NVNT	3-DH1	2441	Ant1	-34.88	-20	Pass
NVNT	3-DH1	2480	Ant1	-36.82	-20	Pass



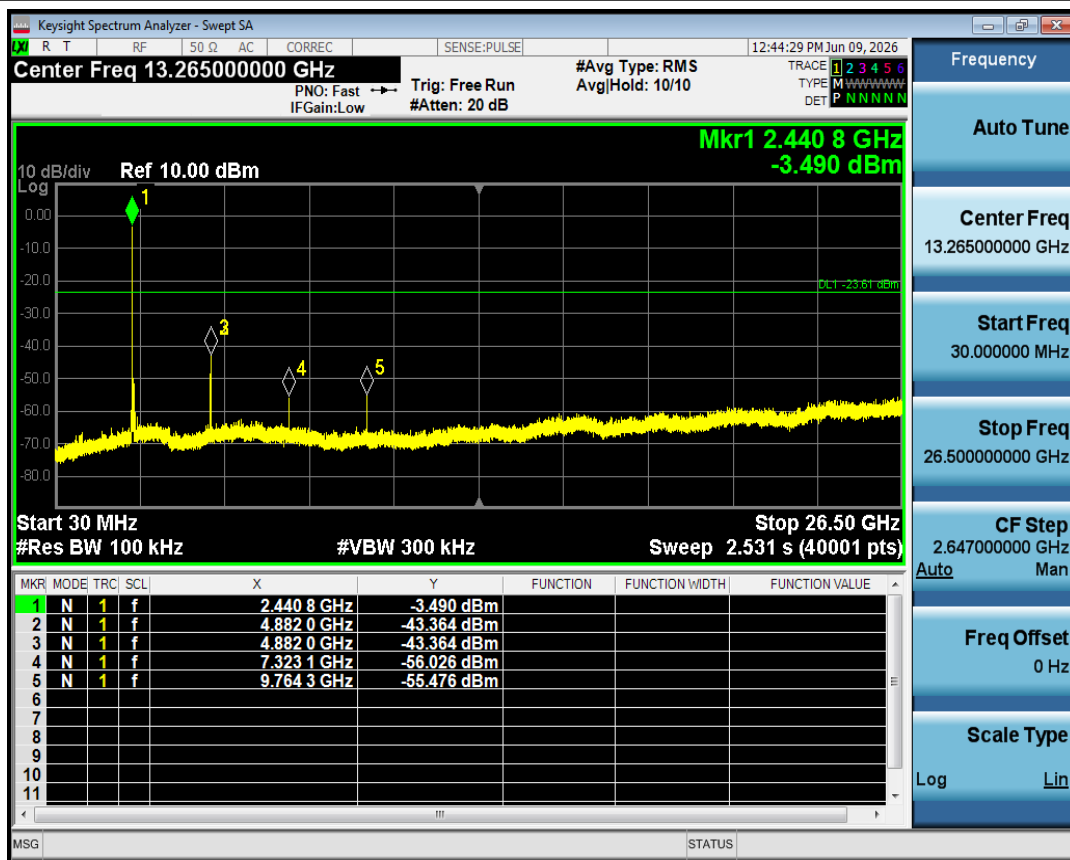
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



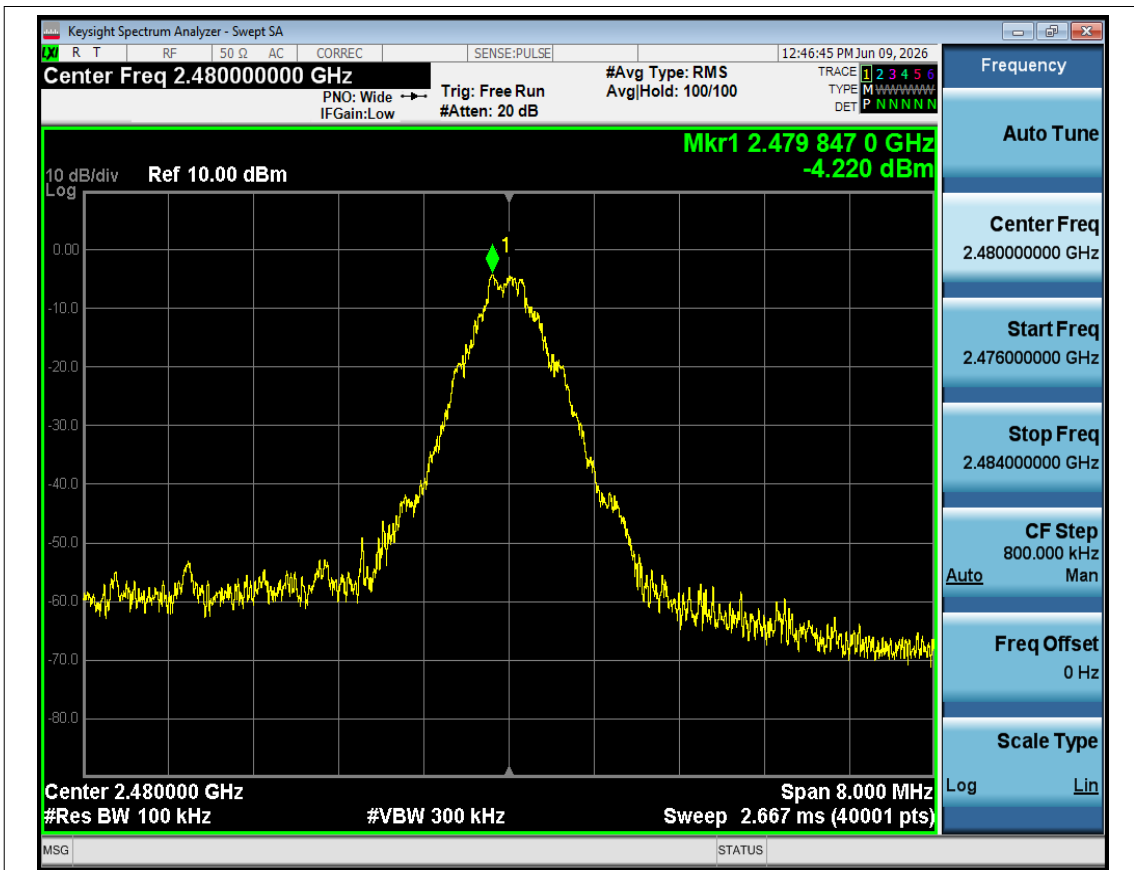
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



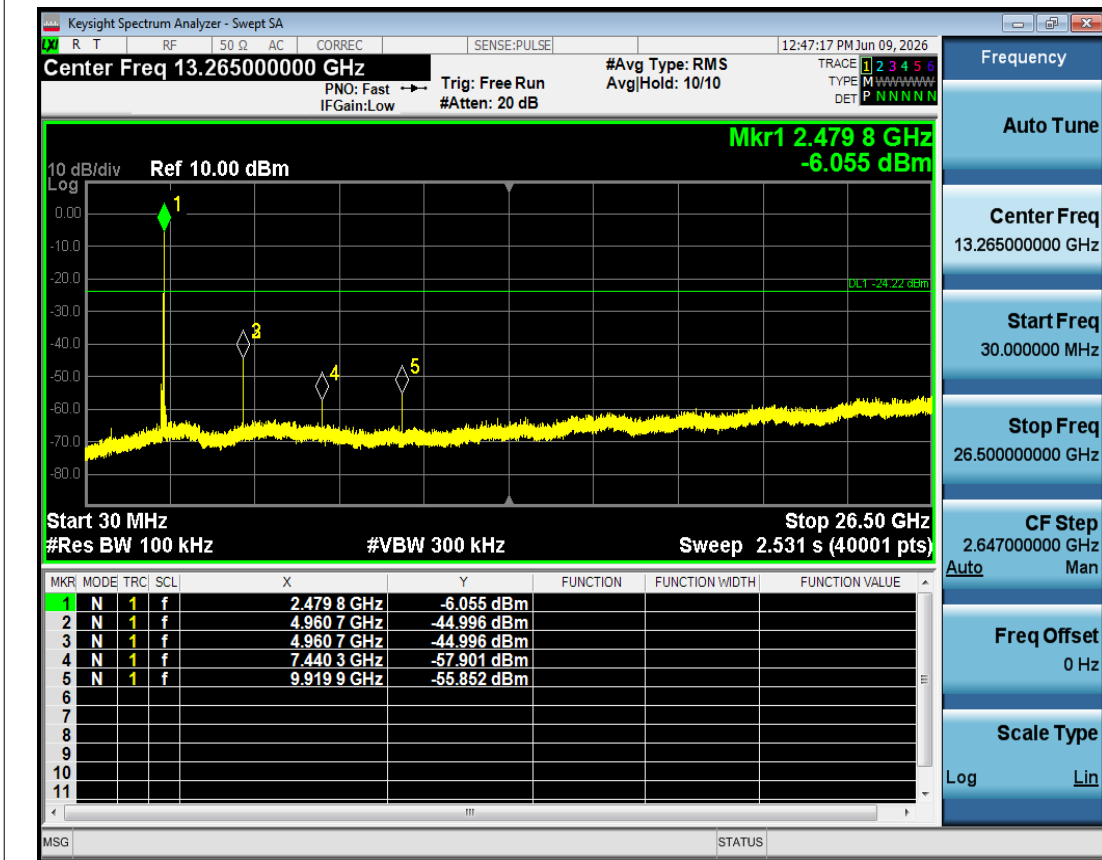
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



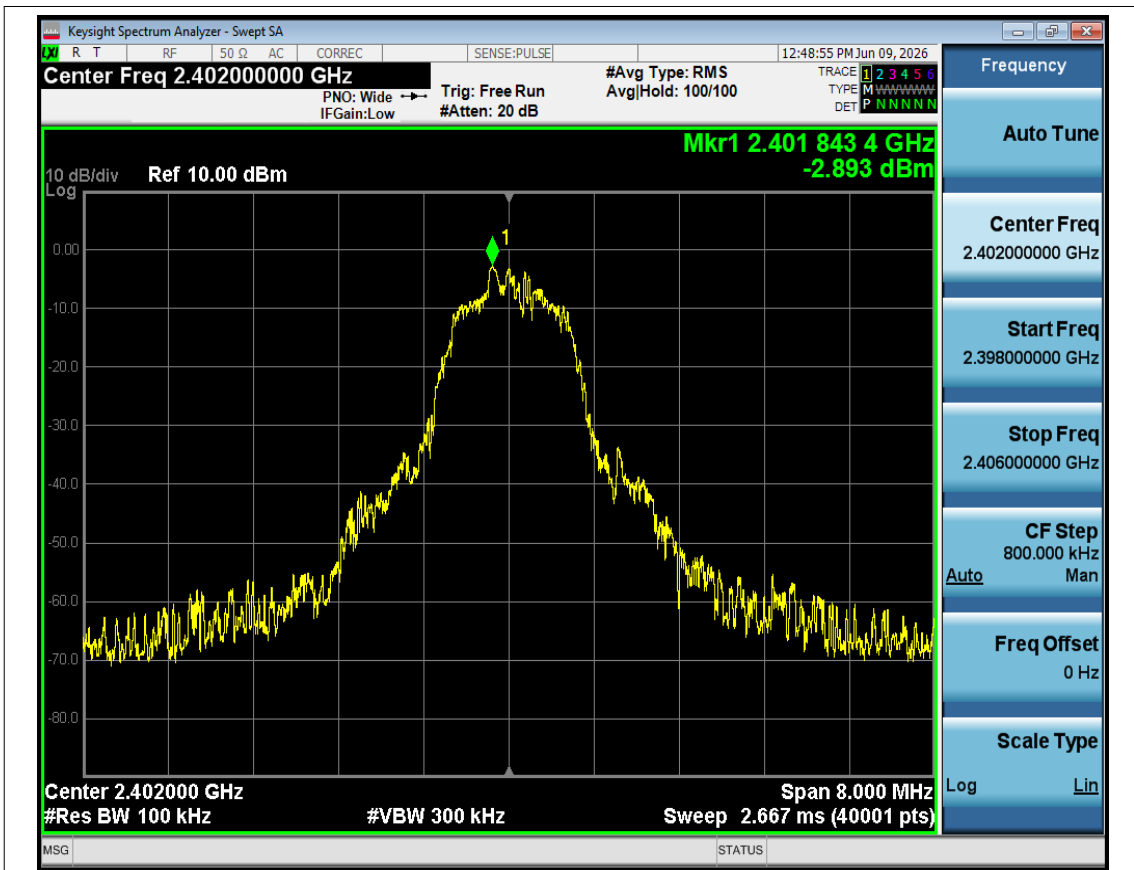
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



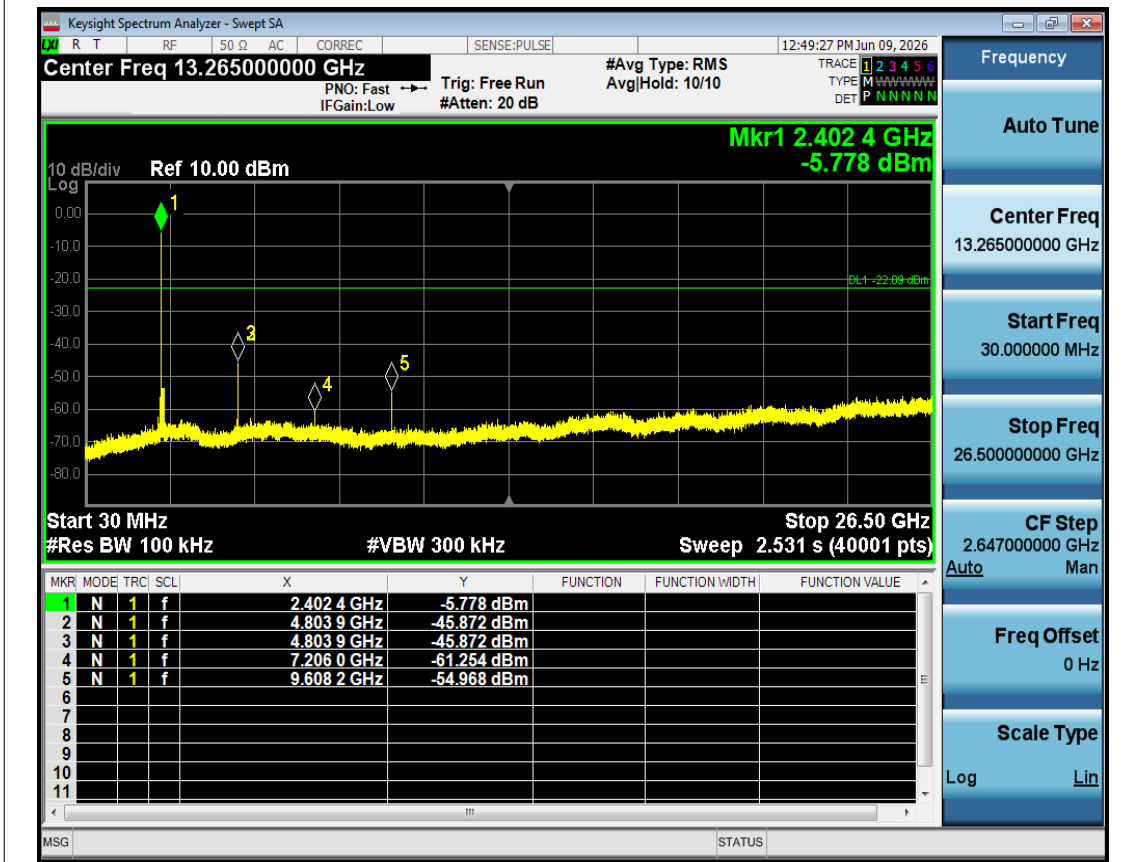
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



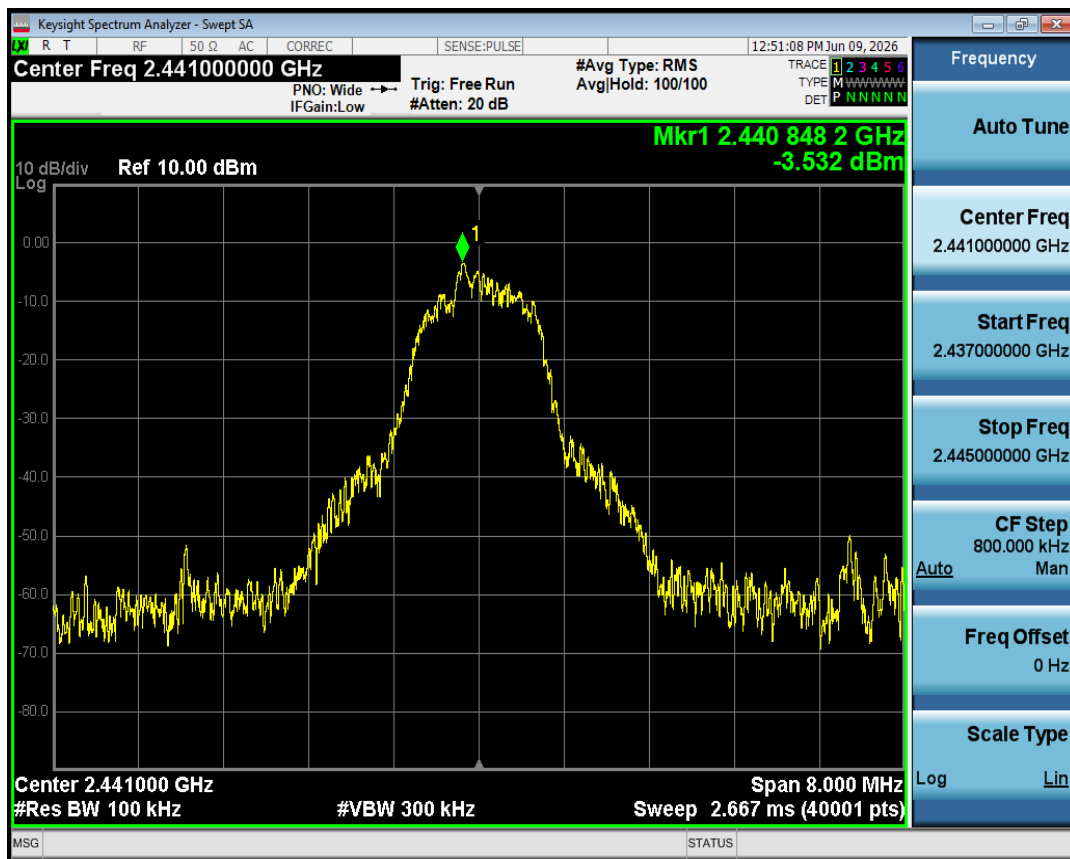
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



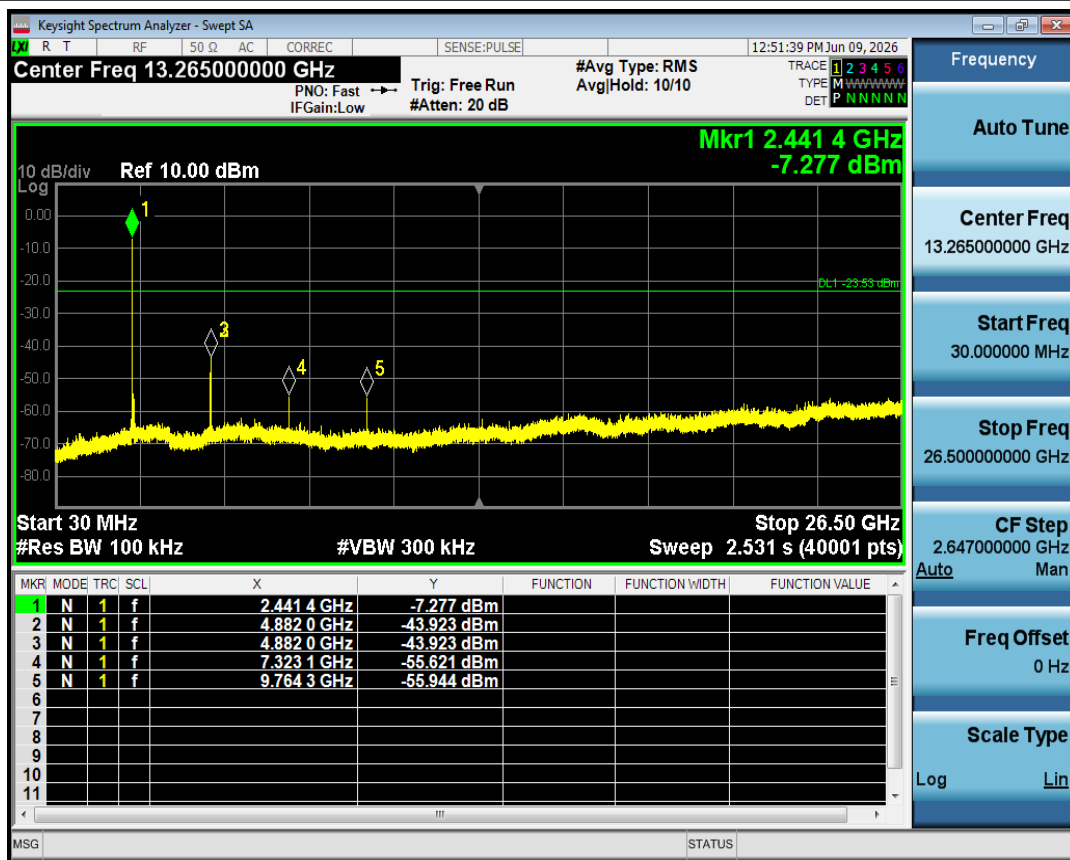
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



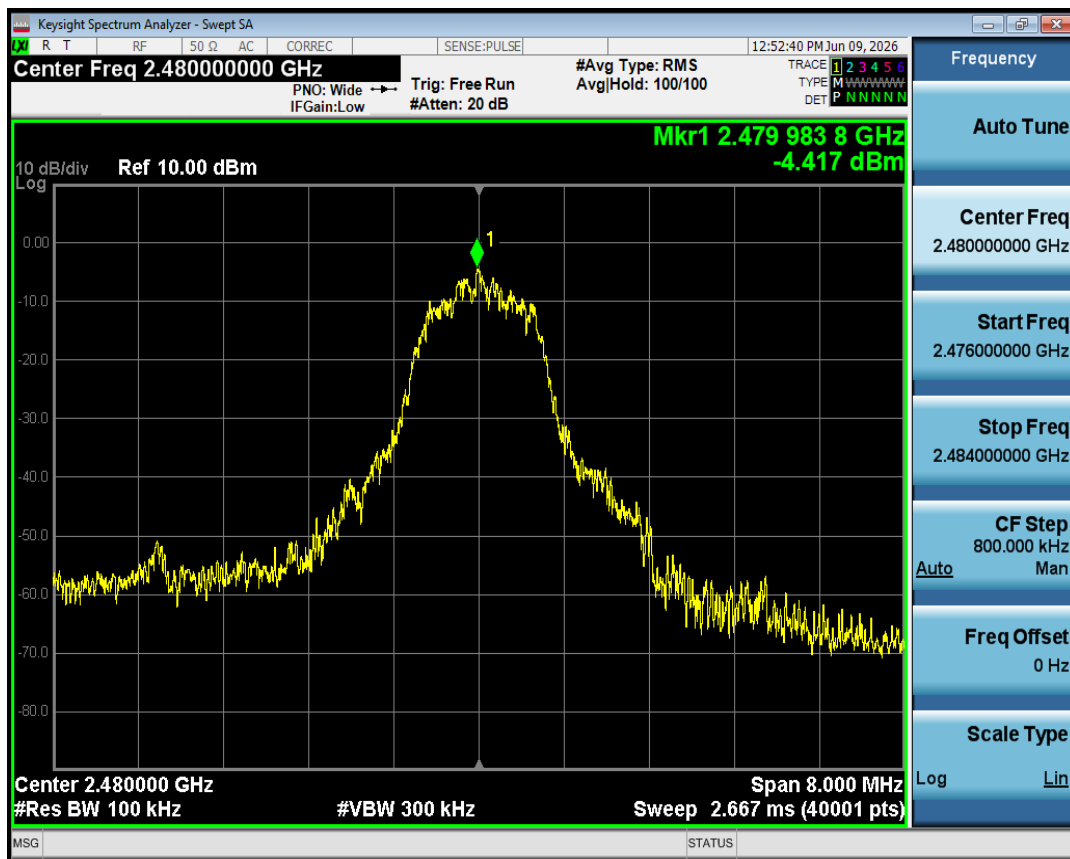
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



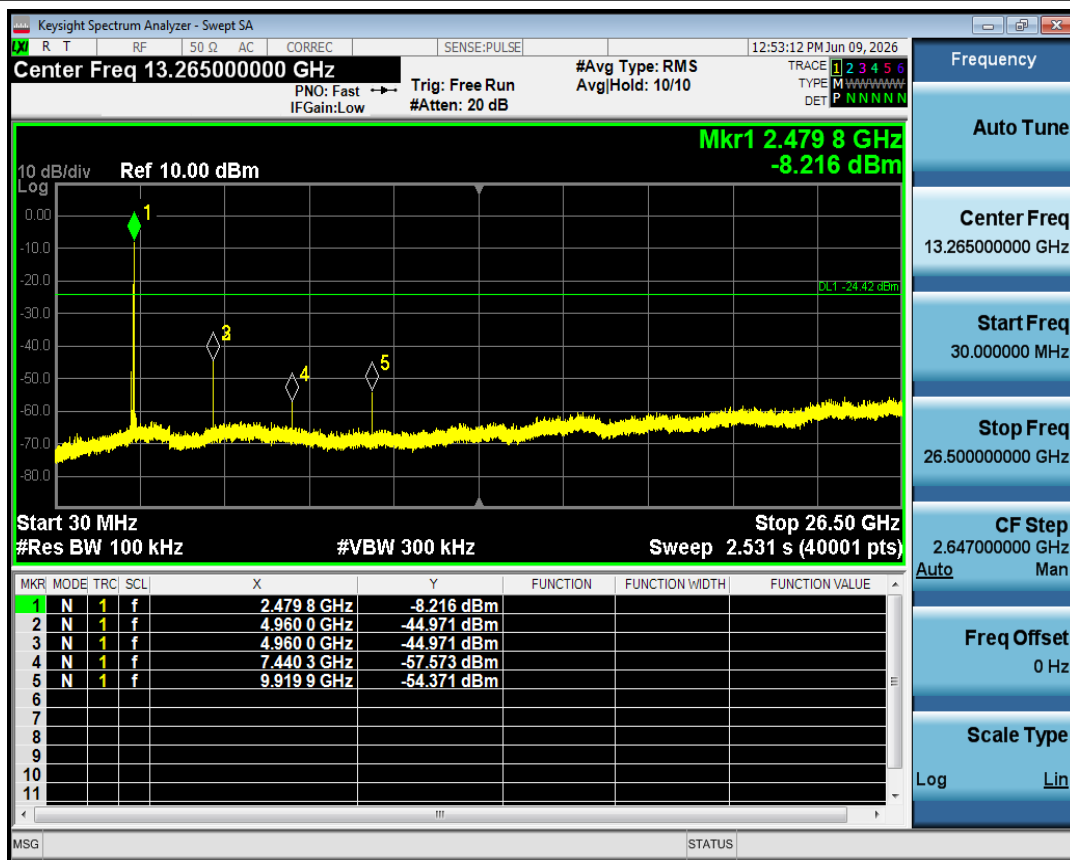
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



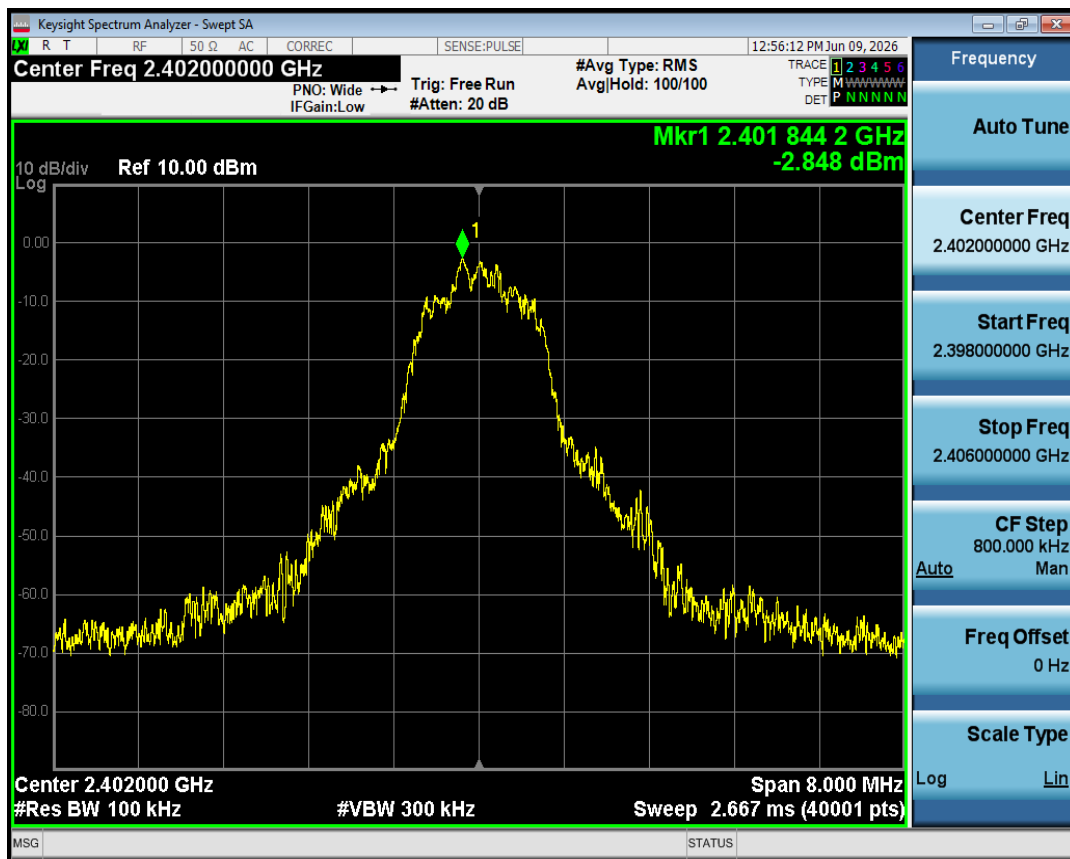
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



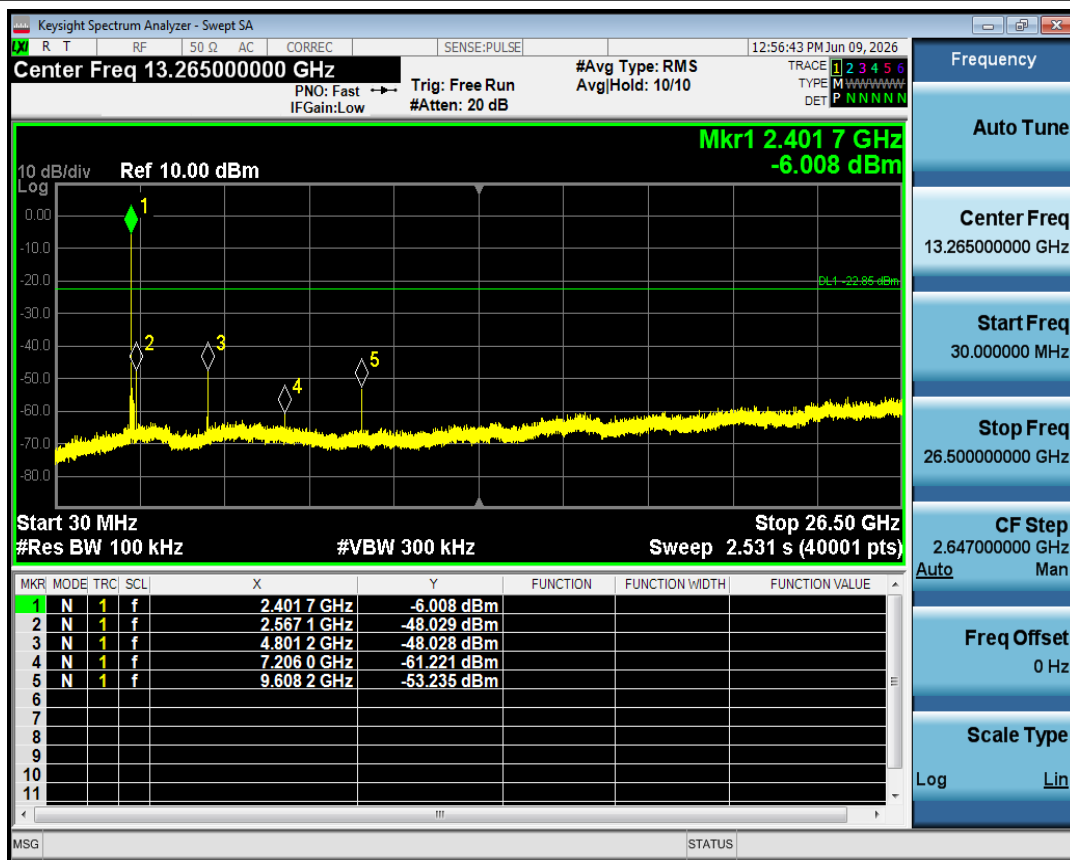
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



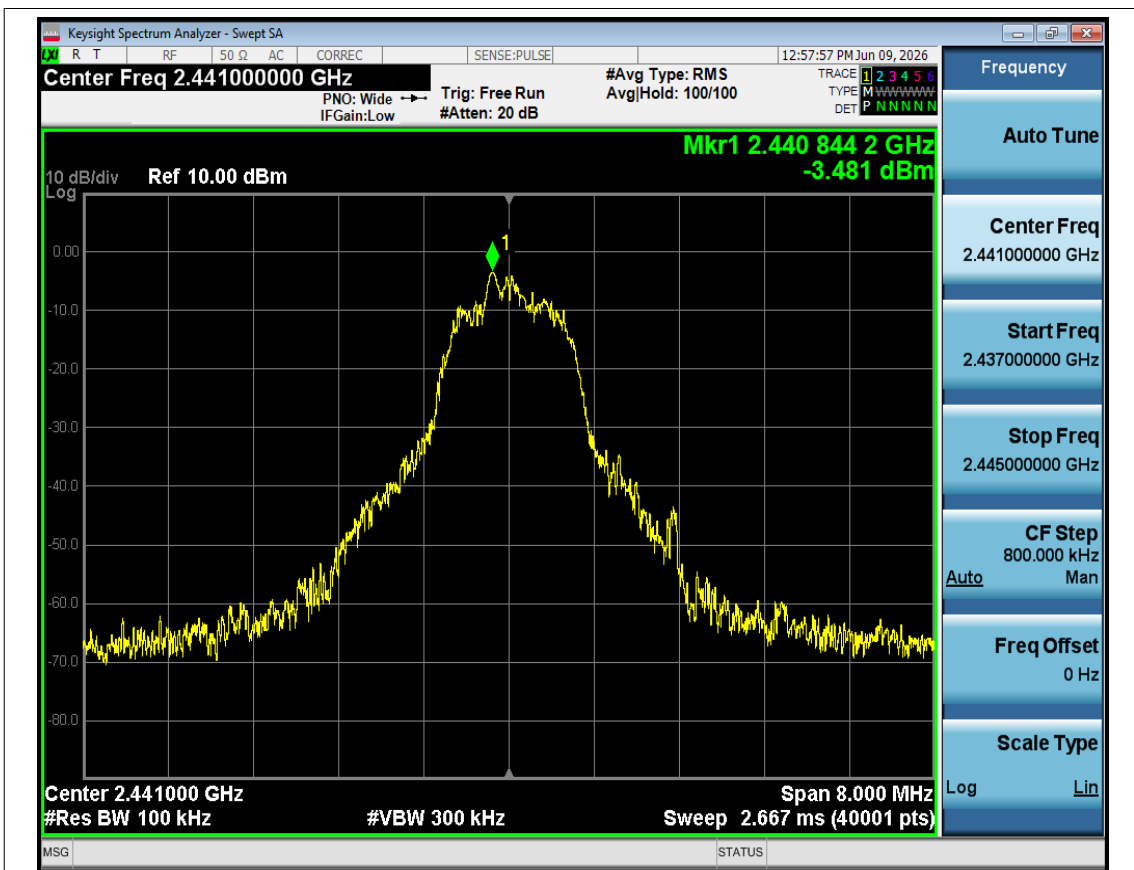
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



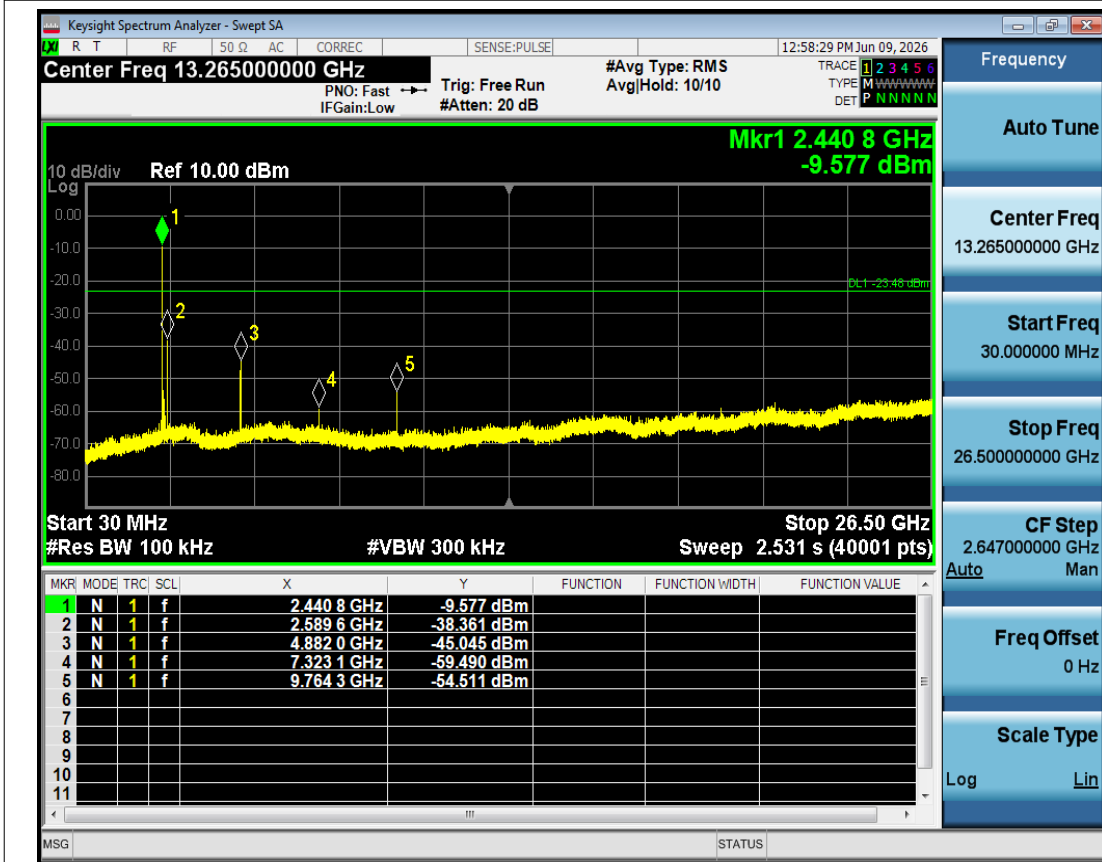
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



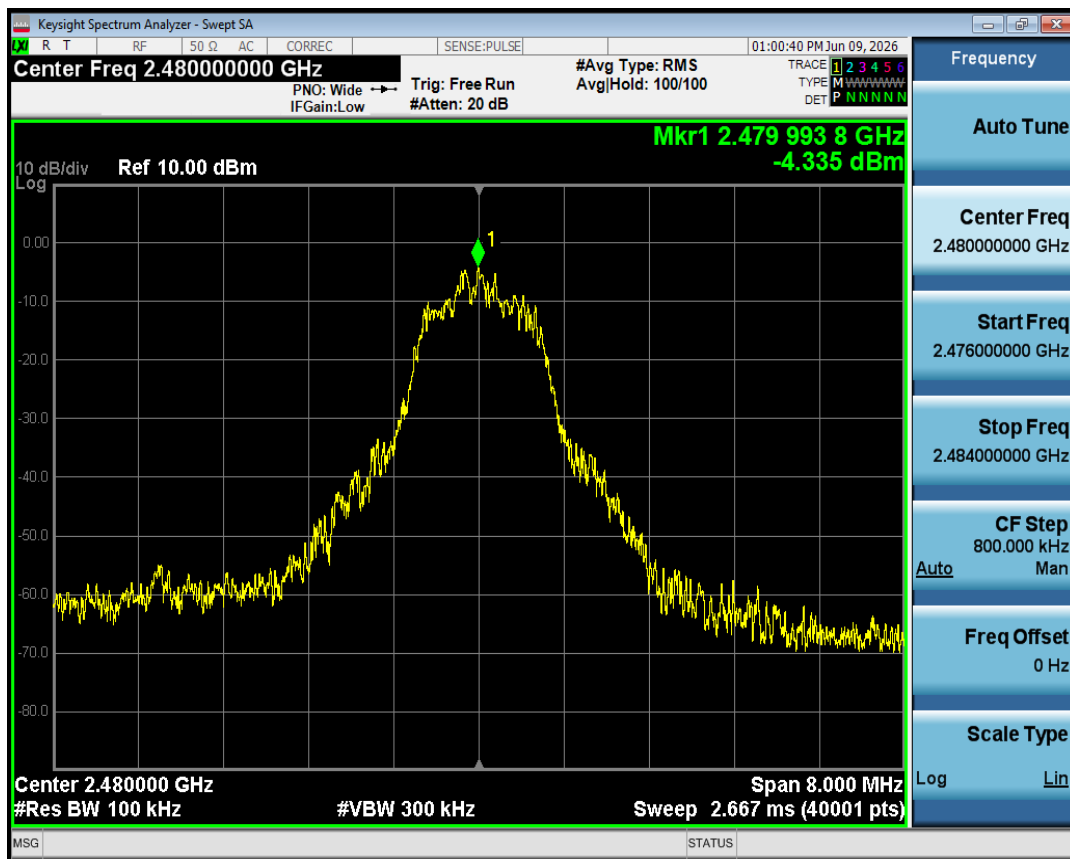
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



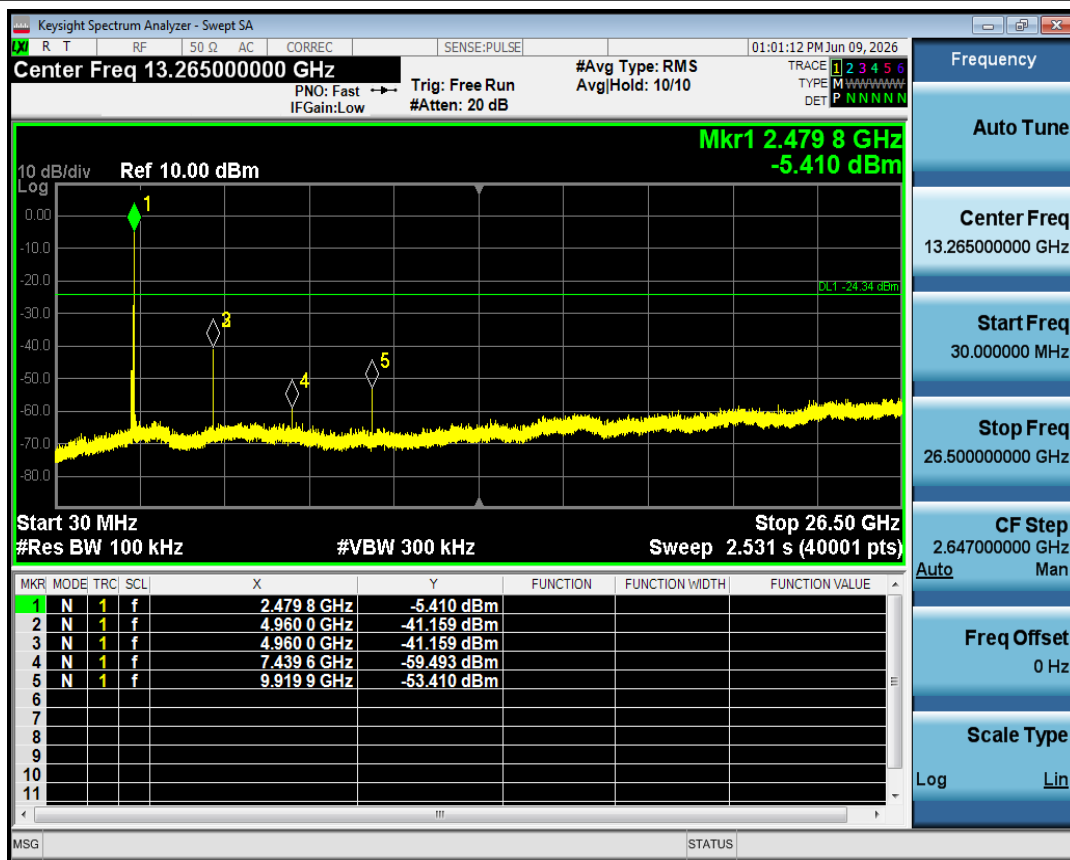
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



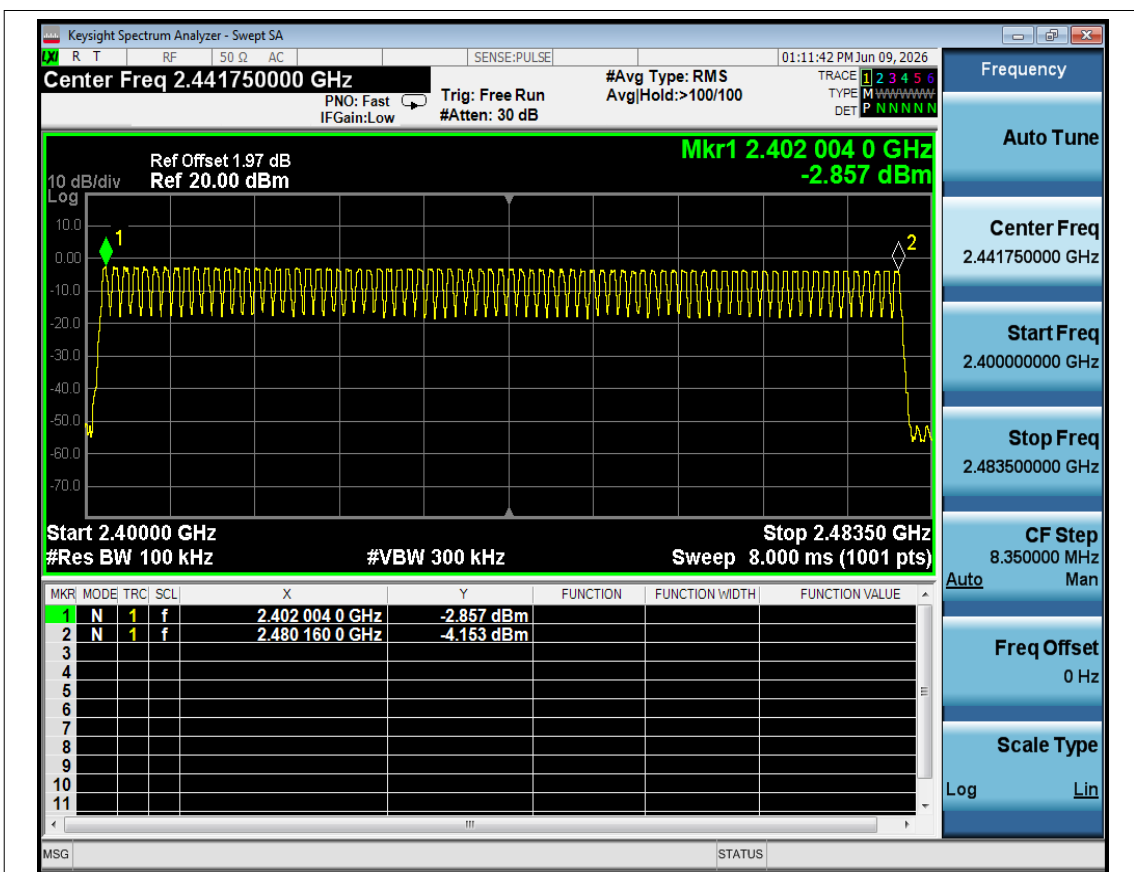
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



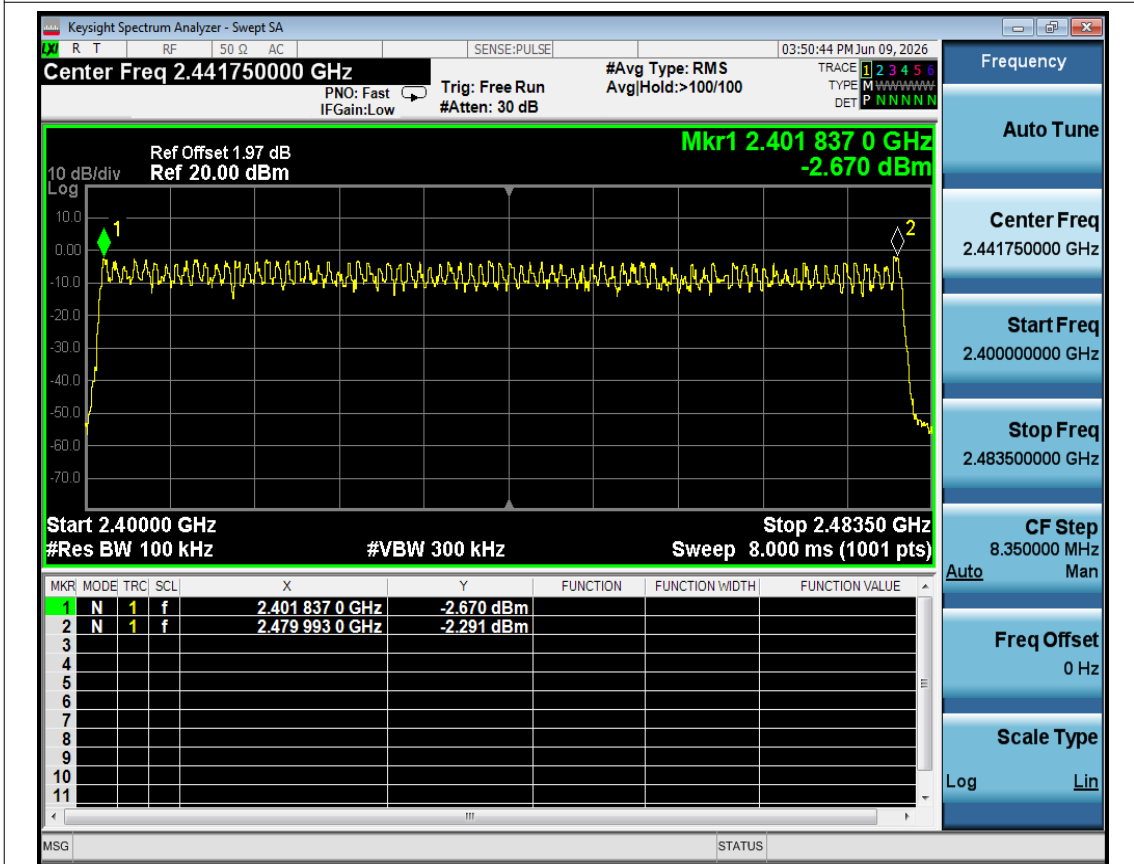
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

Number of Hopping Channel

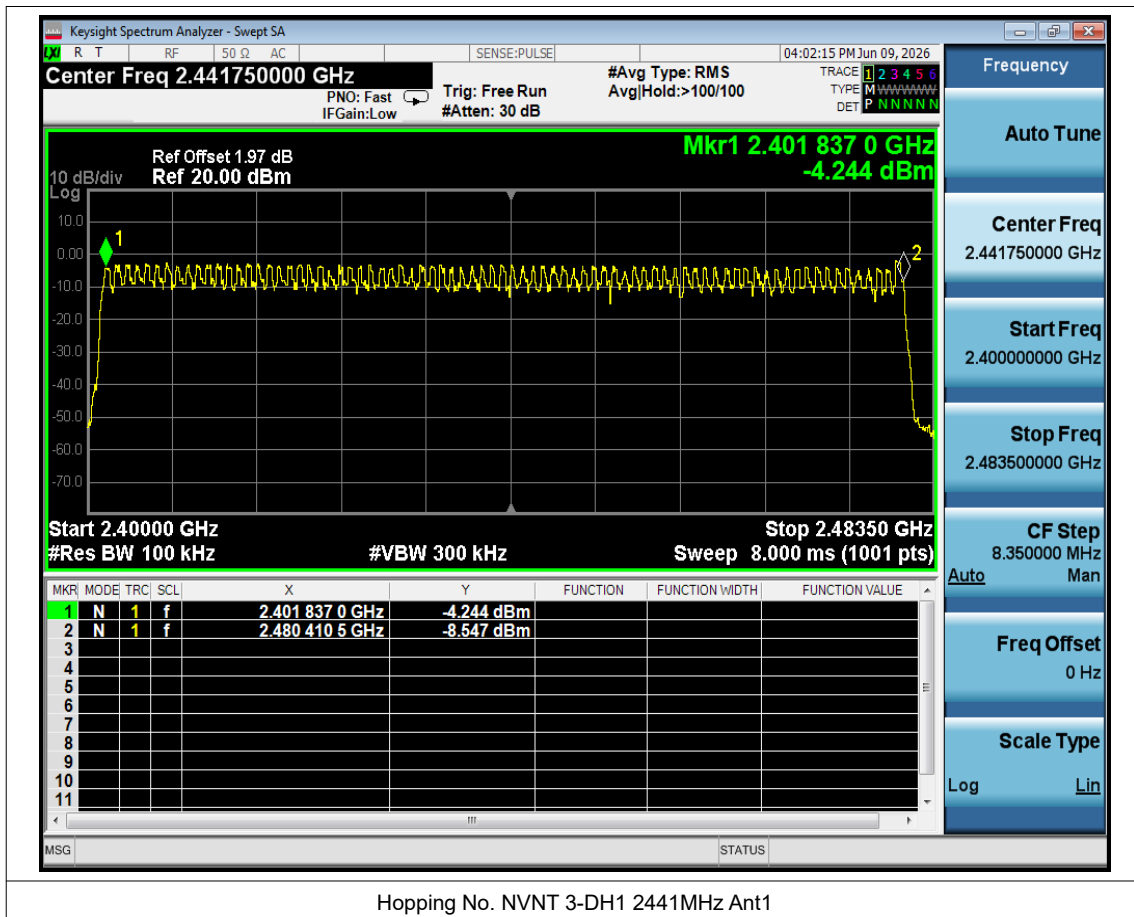
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass



Hopping No. NVNT 1-DH1 2441MHz Ant1

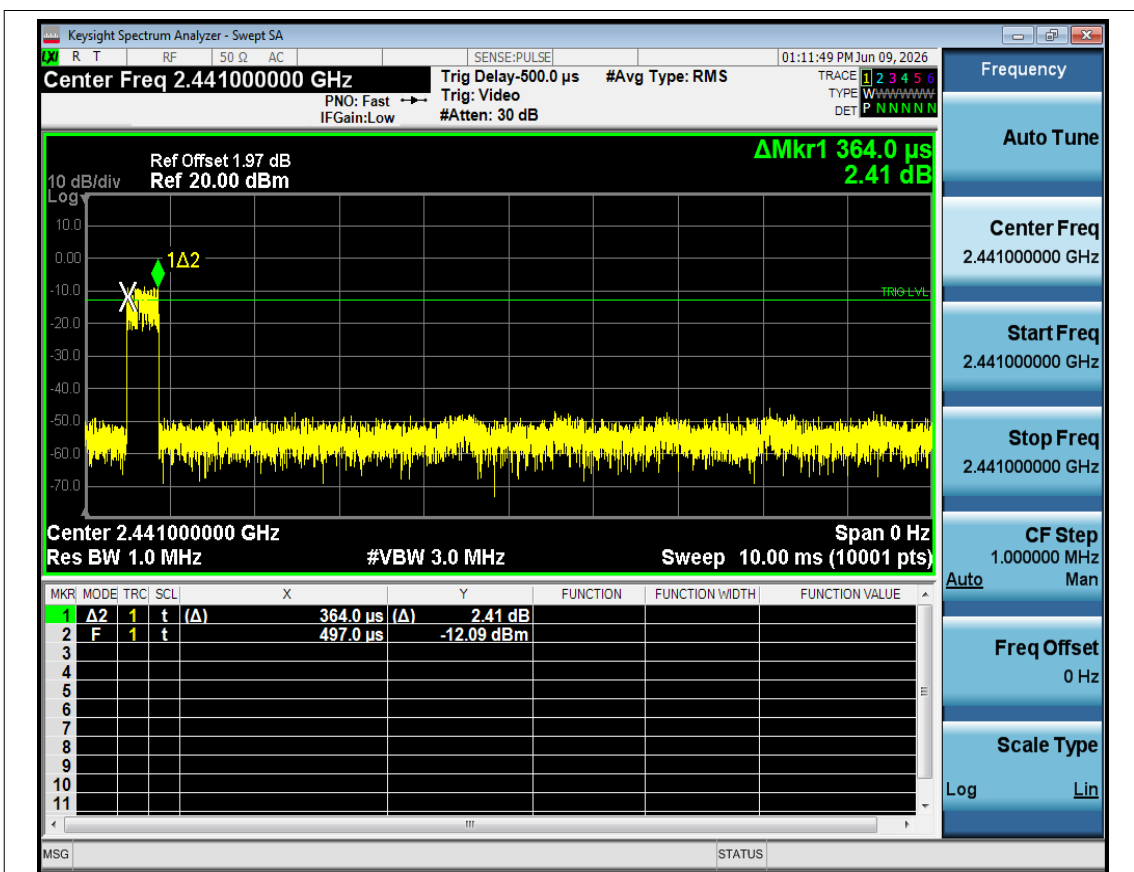


Hopping No. NVNT 2-DH1 2441MHz Ant1

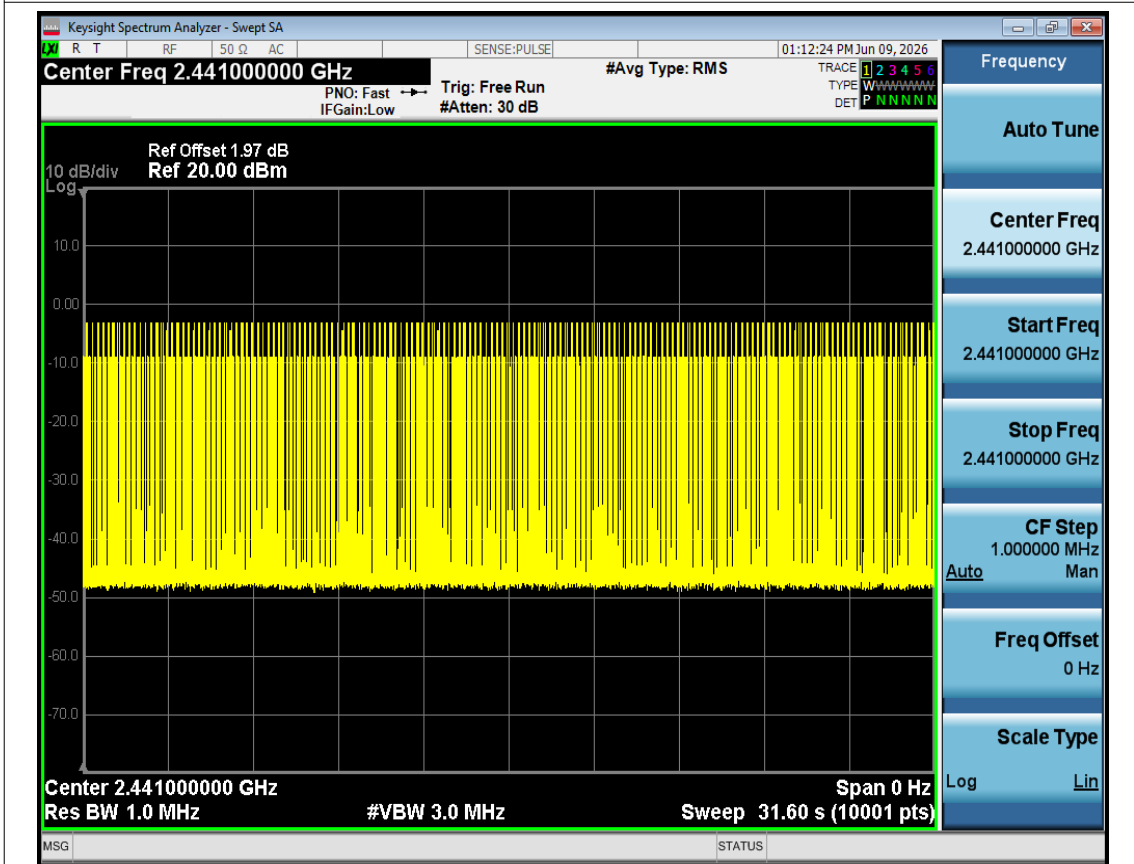


Dwell Time

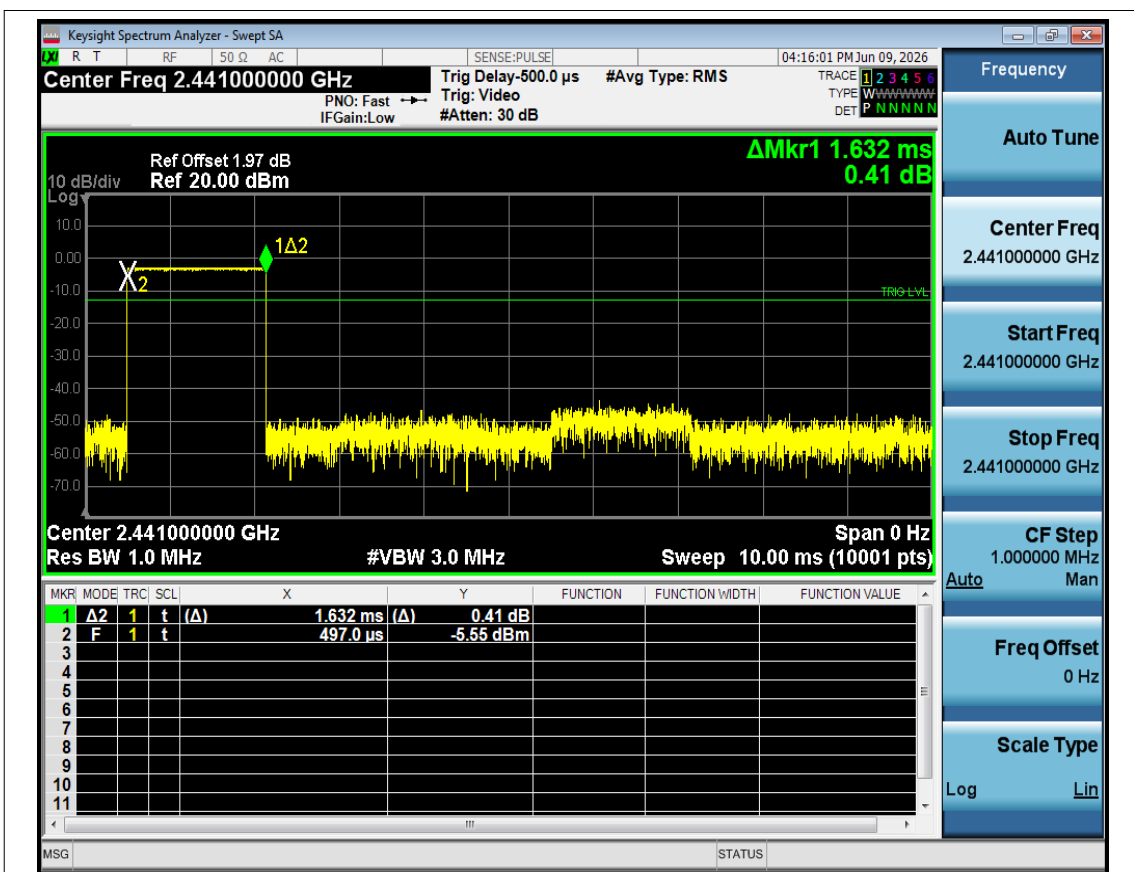
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.364	115.752	318	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.632	261.12	160	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	290.88	101	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.273	87.36	320	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.631	252.805	155	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.879	290.779	101	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.266	84.854	319	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.637	245.55	150	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	282.926	98	31600	400	Pass



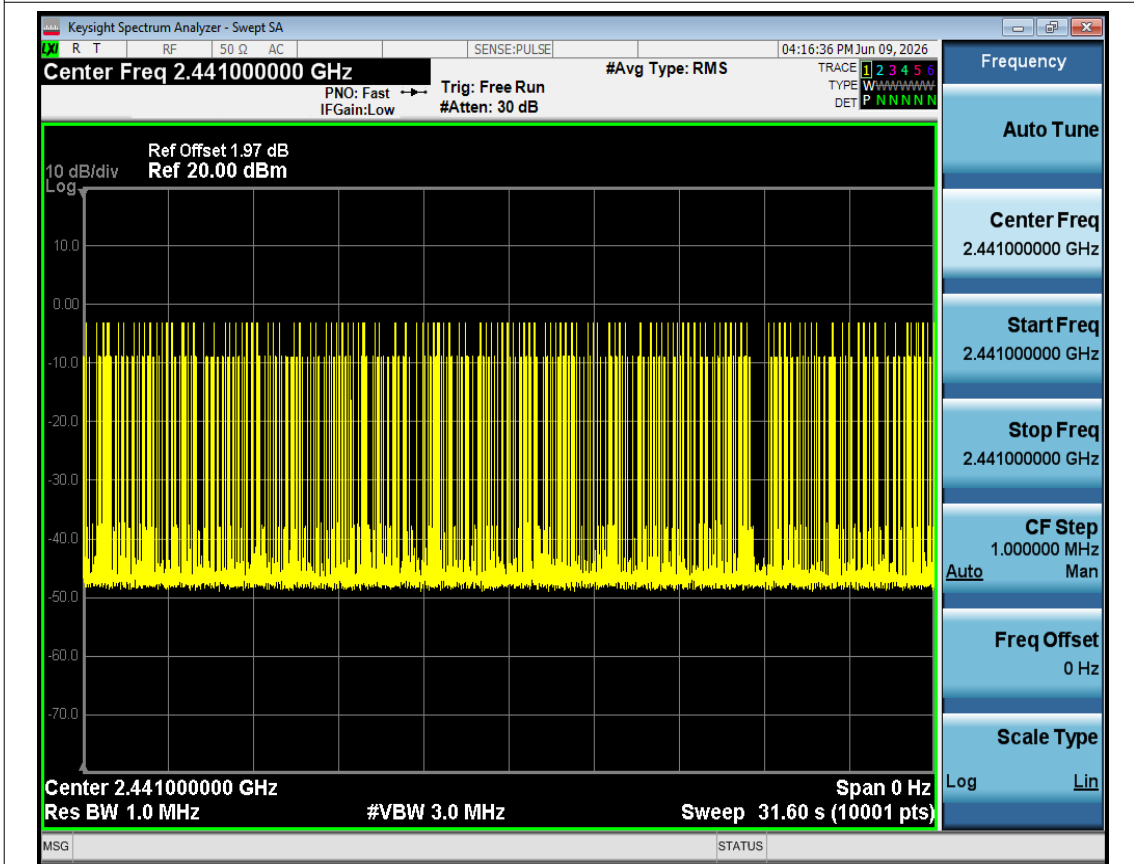
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



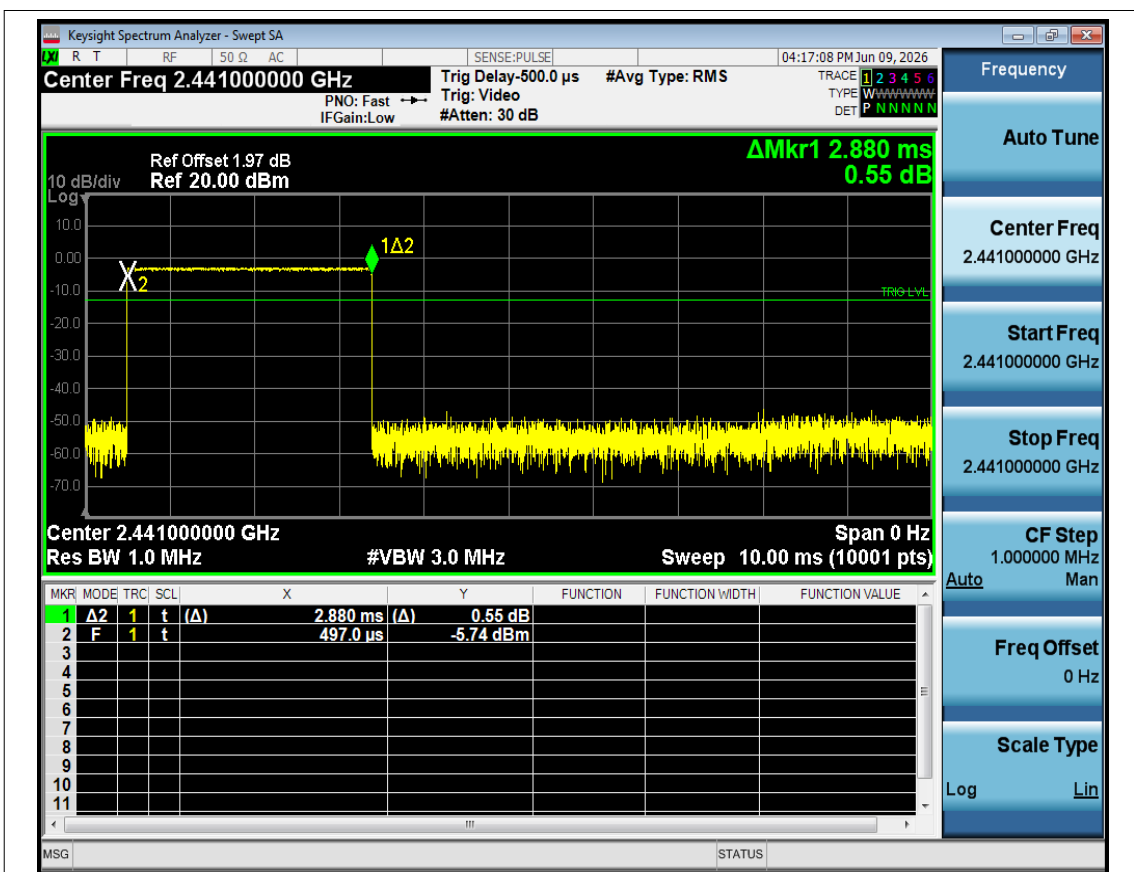
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



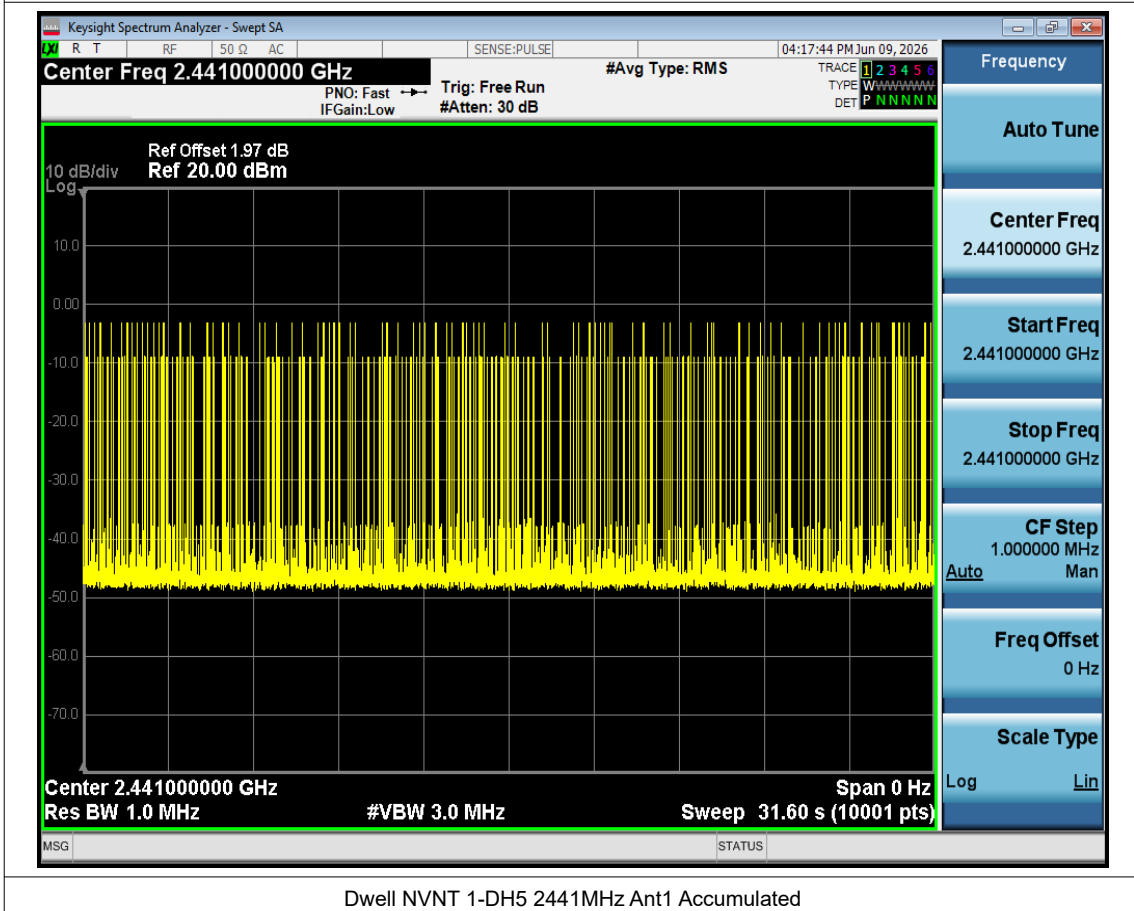
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



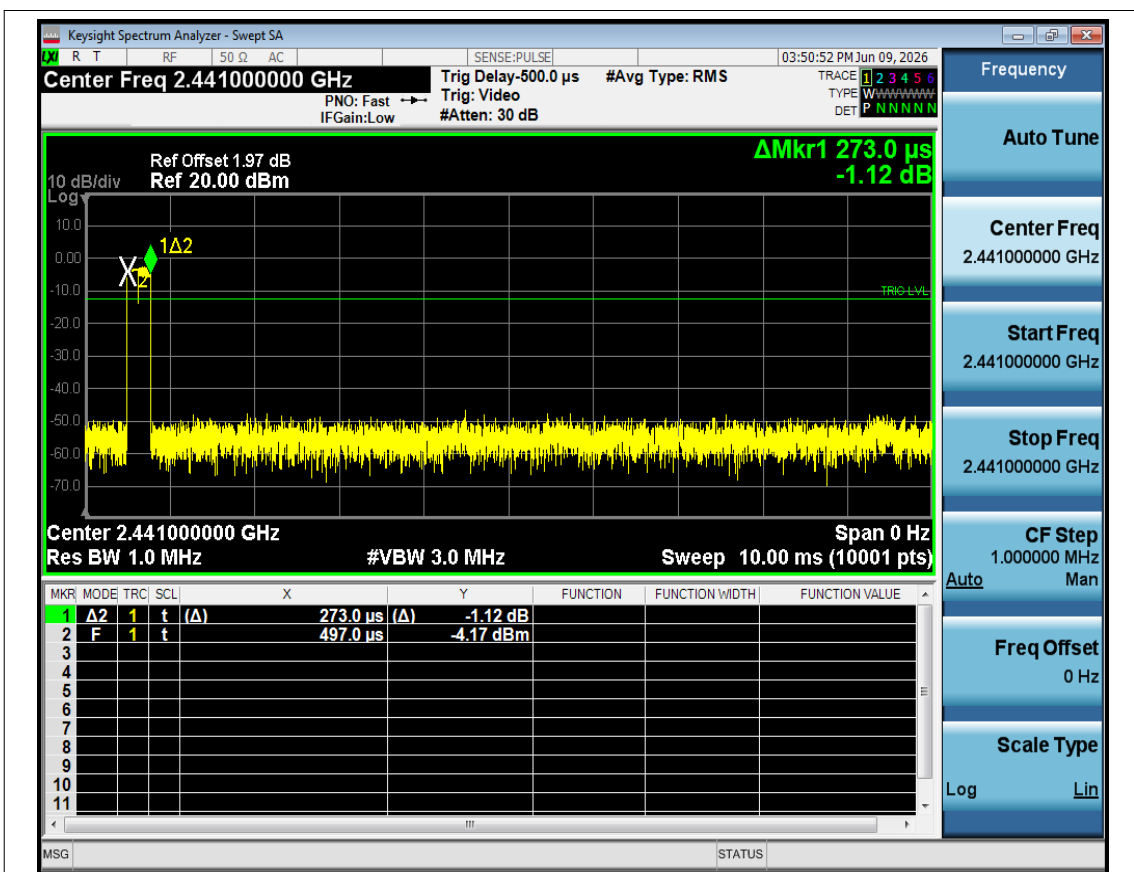
Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



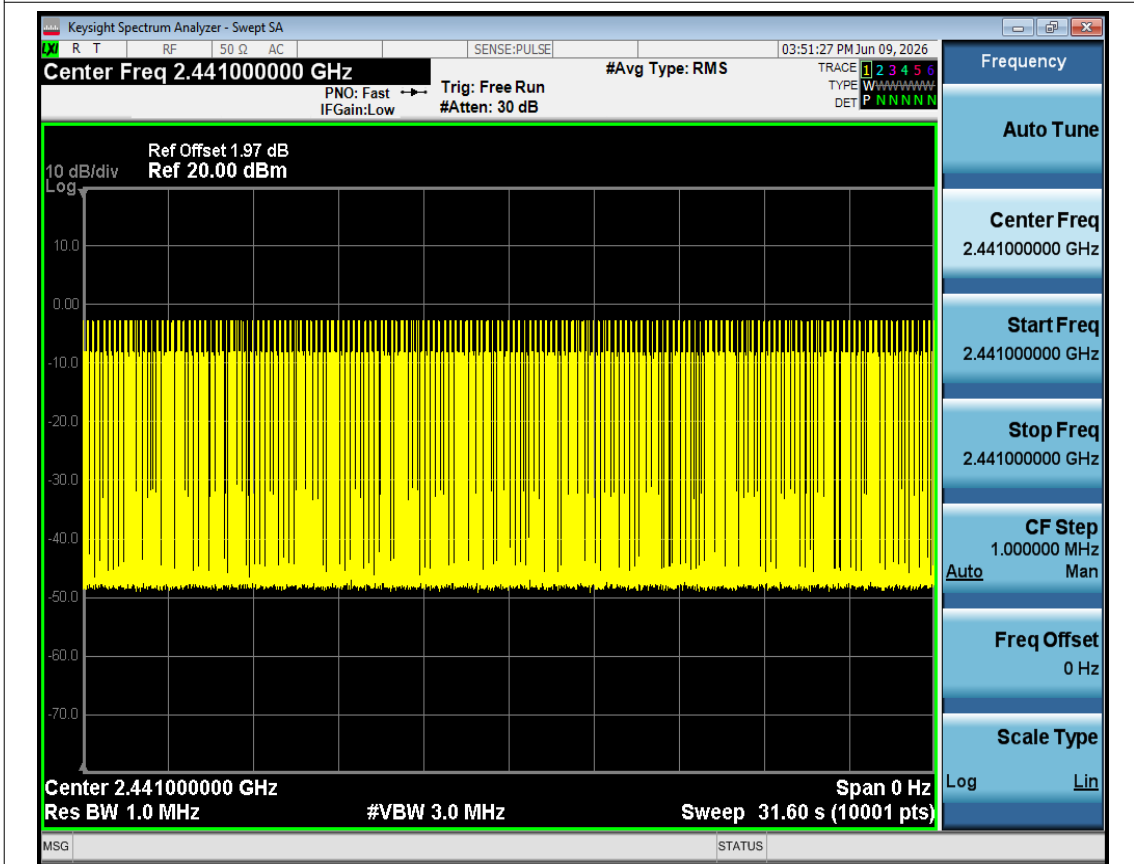
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



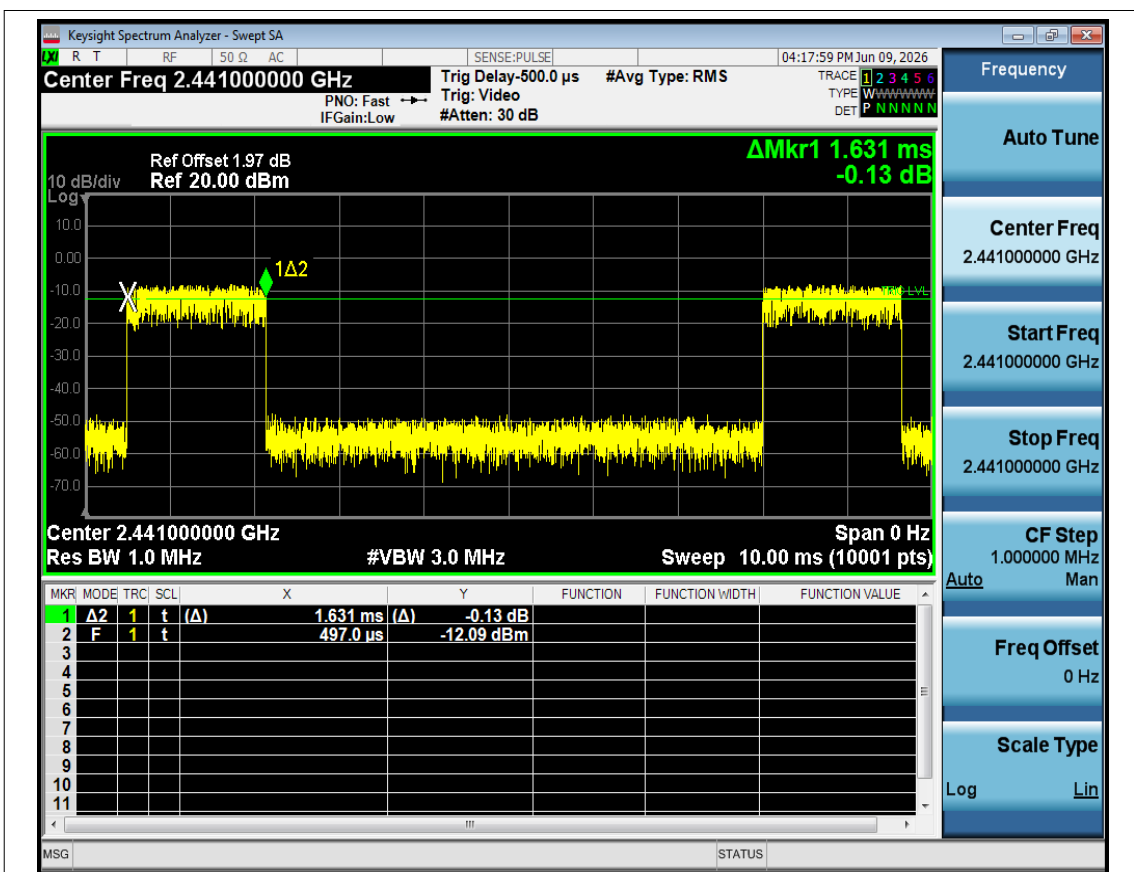
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



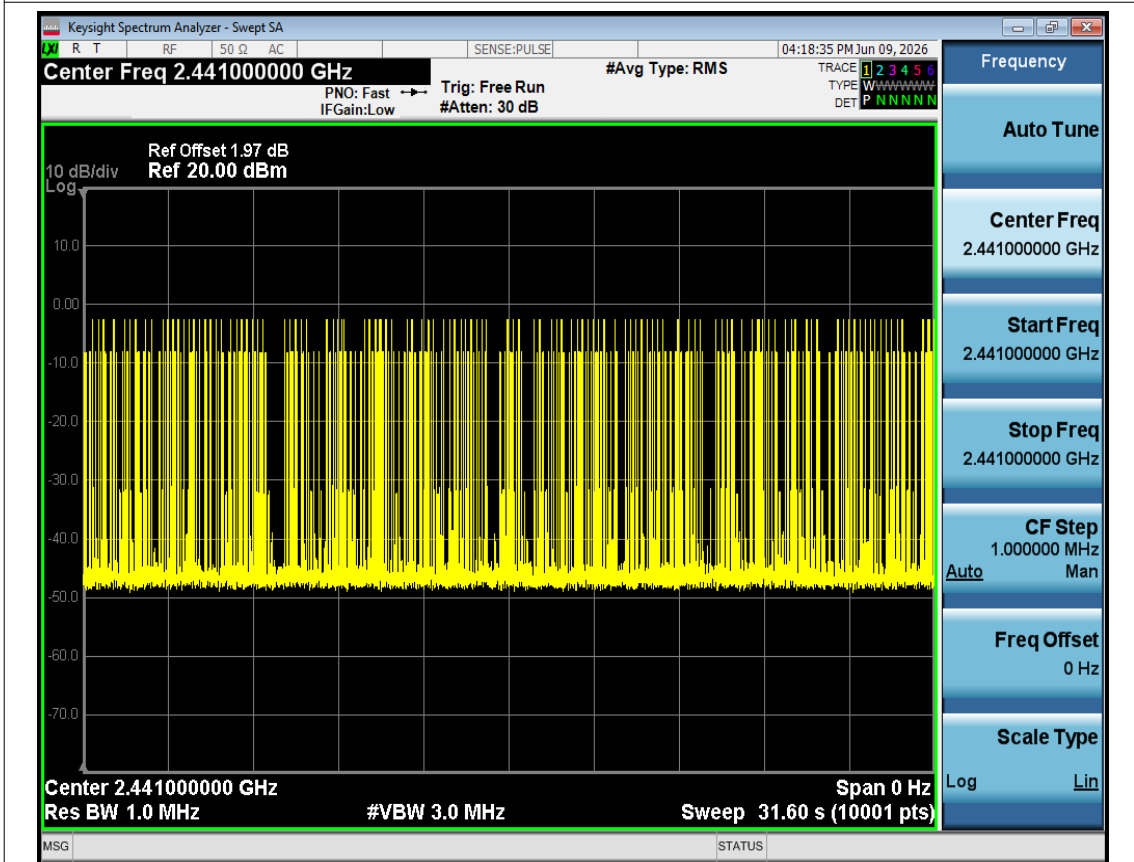
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



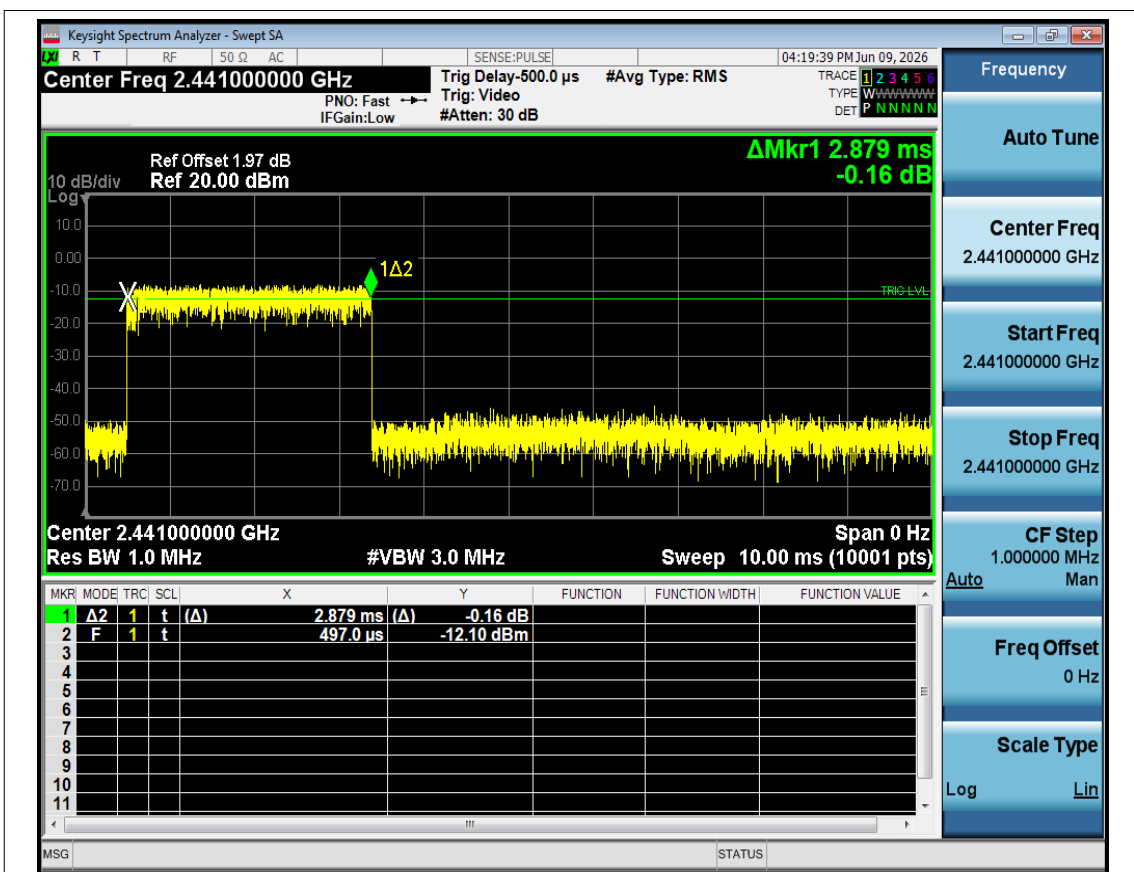
Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



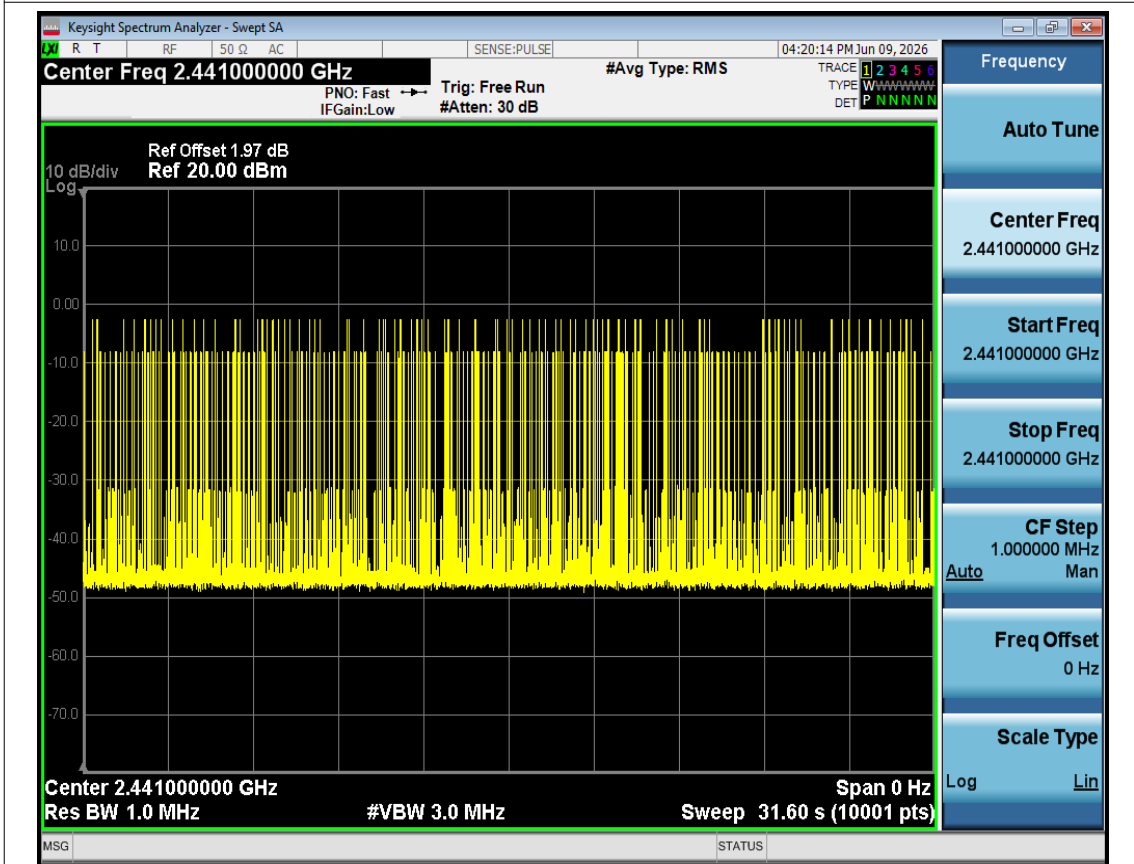
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



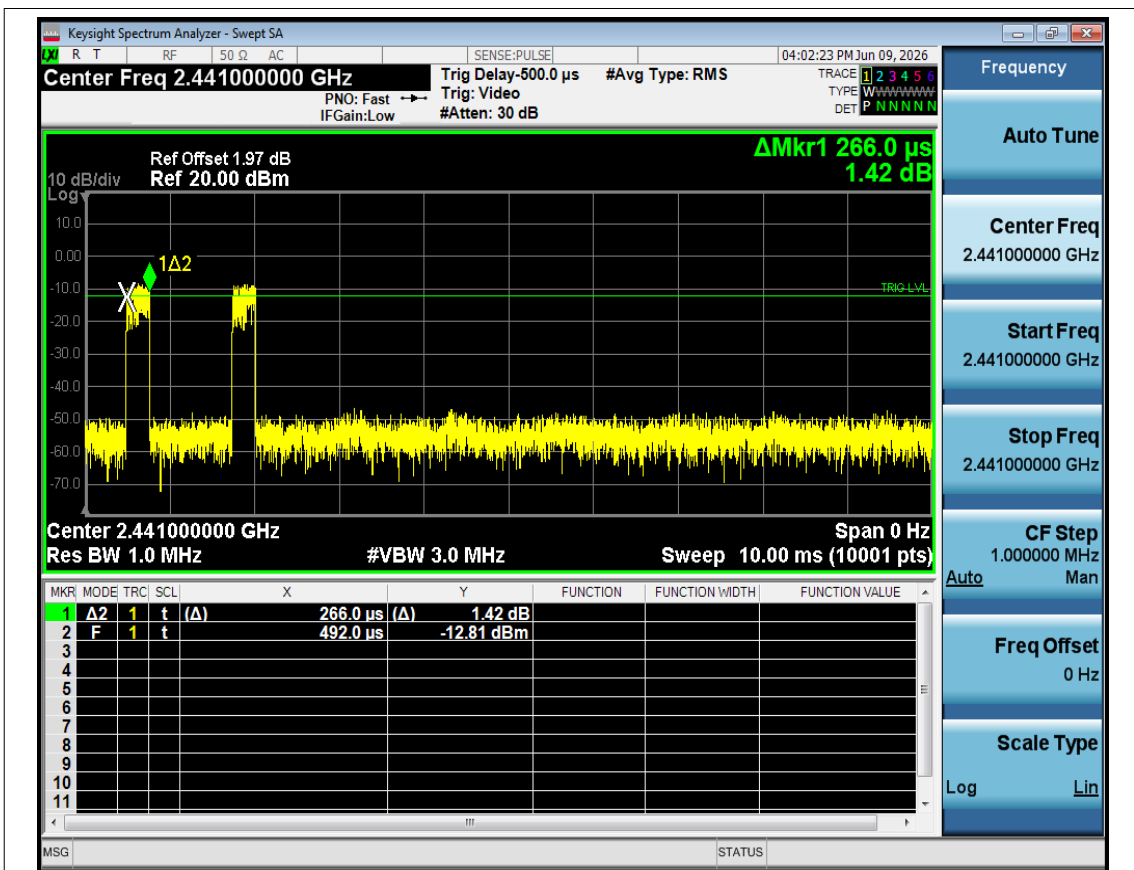
Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



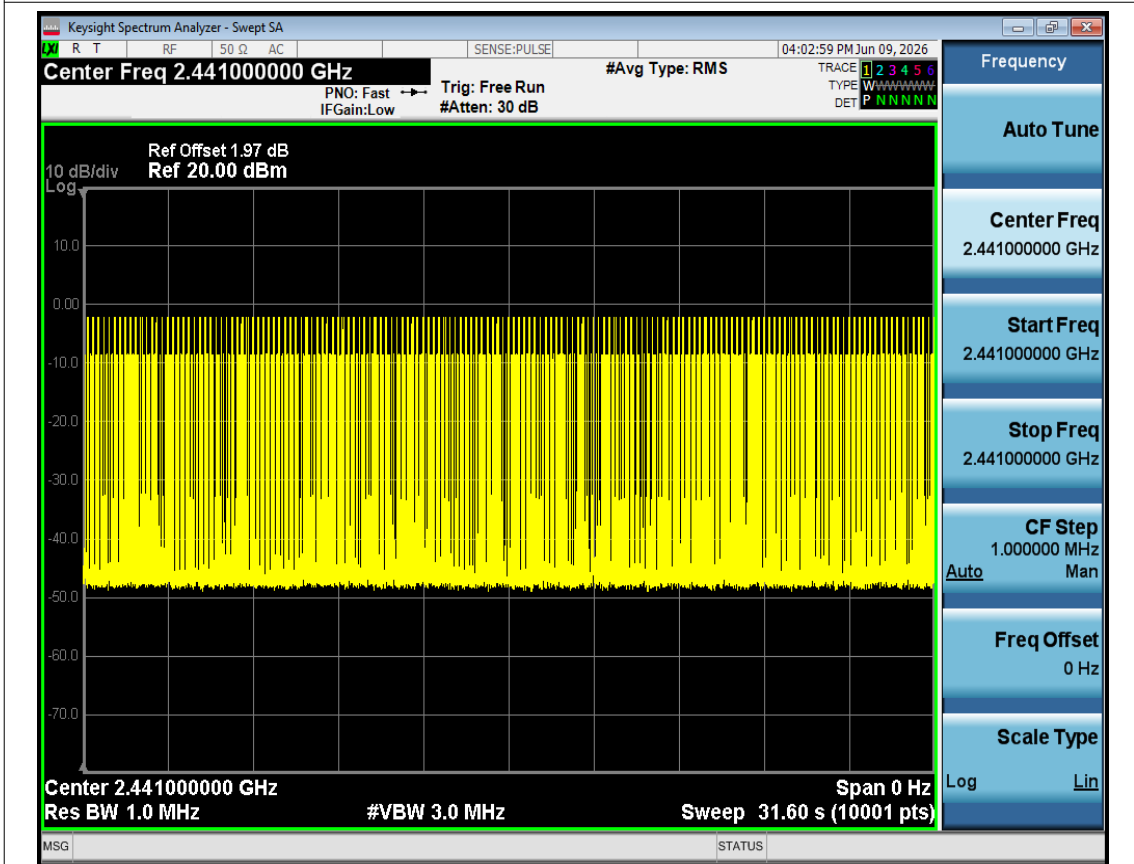
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



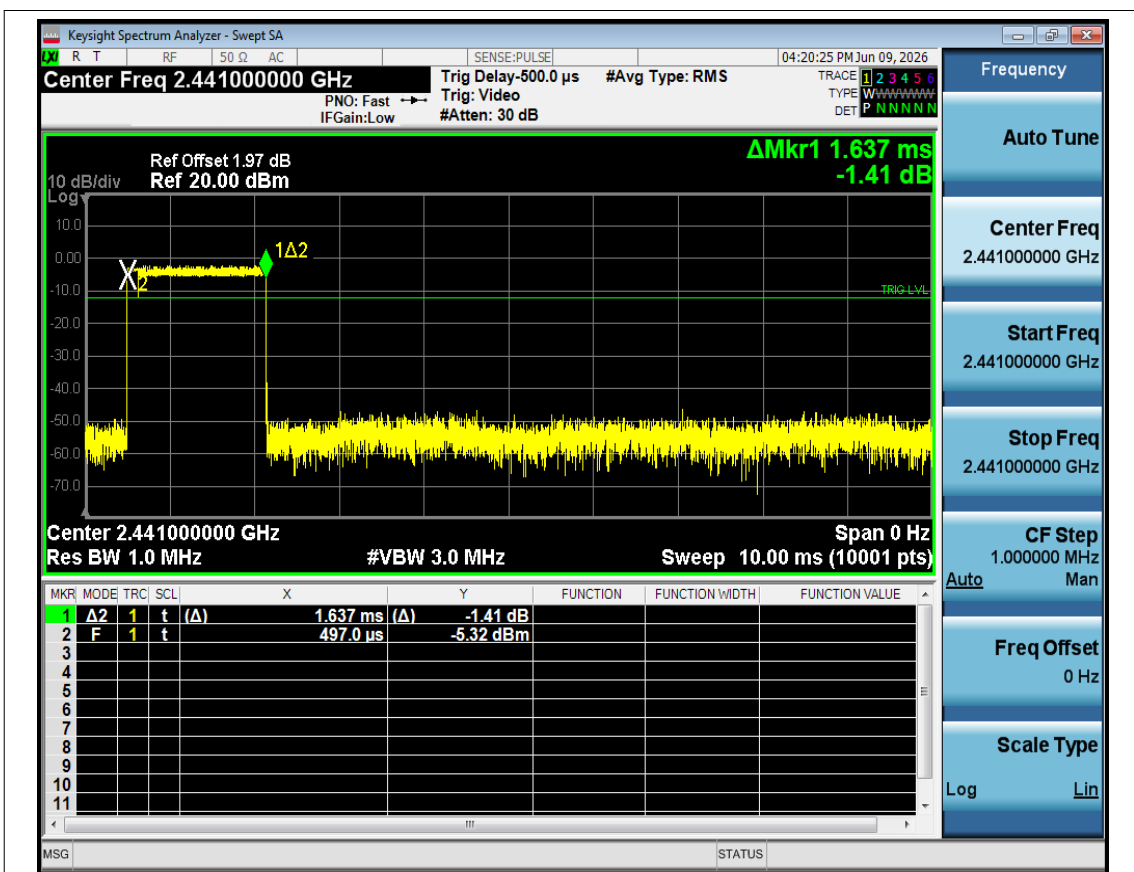
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



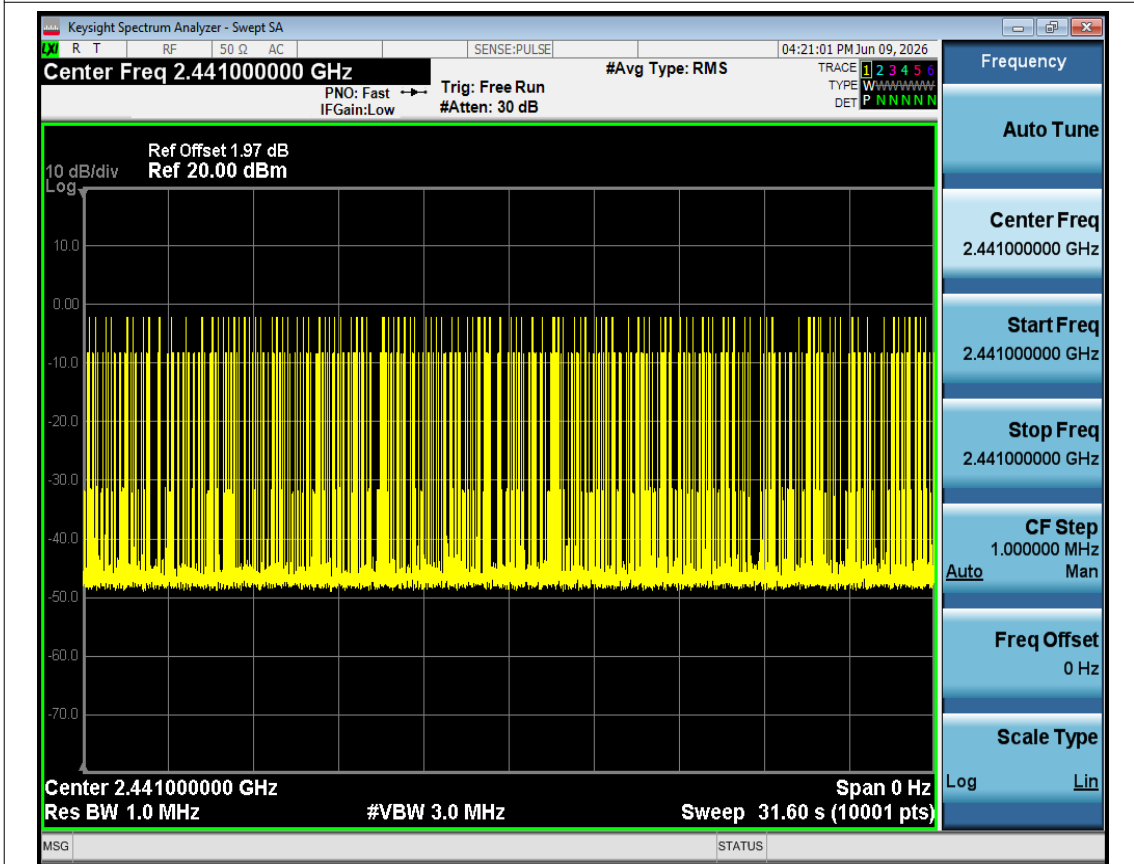
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



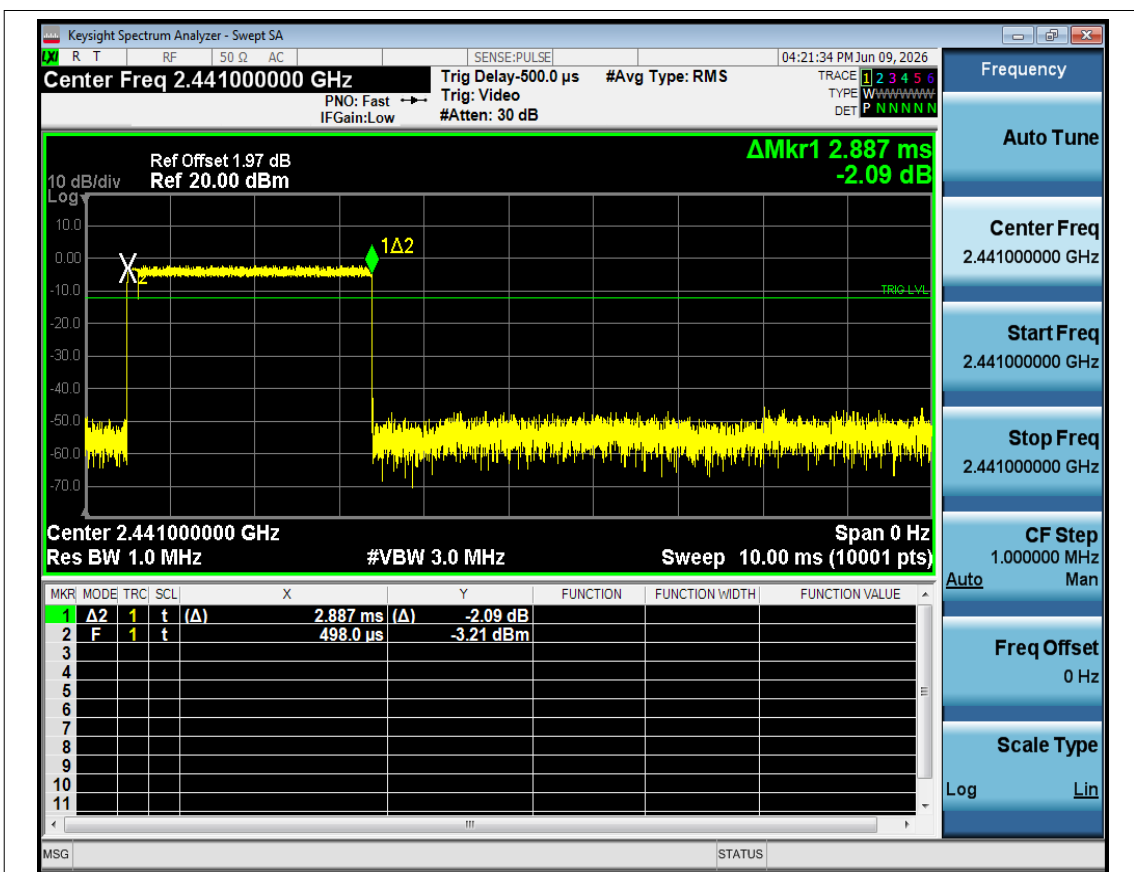
Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



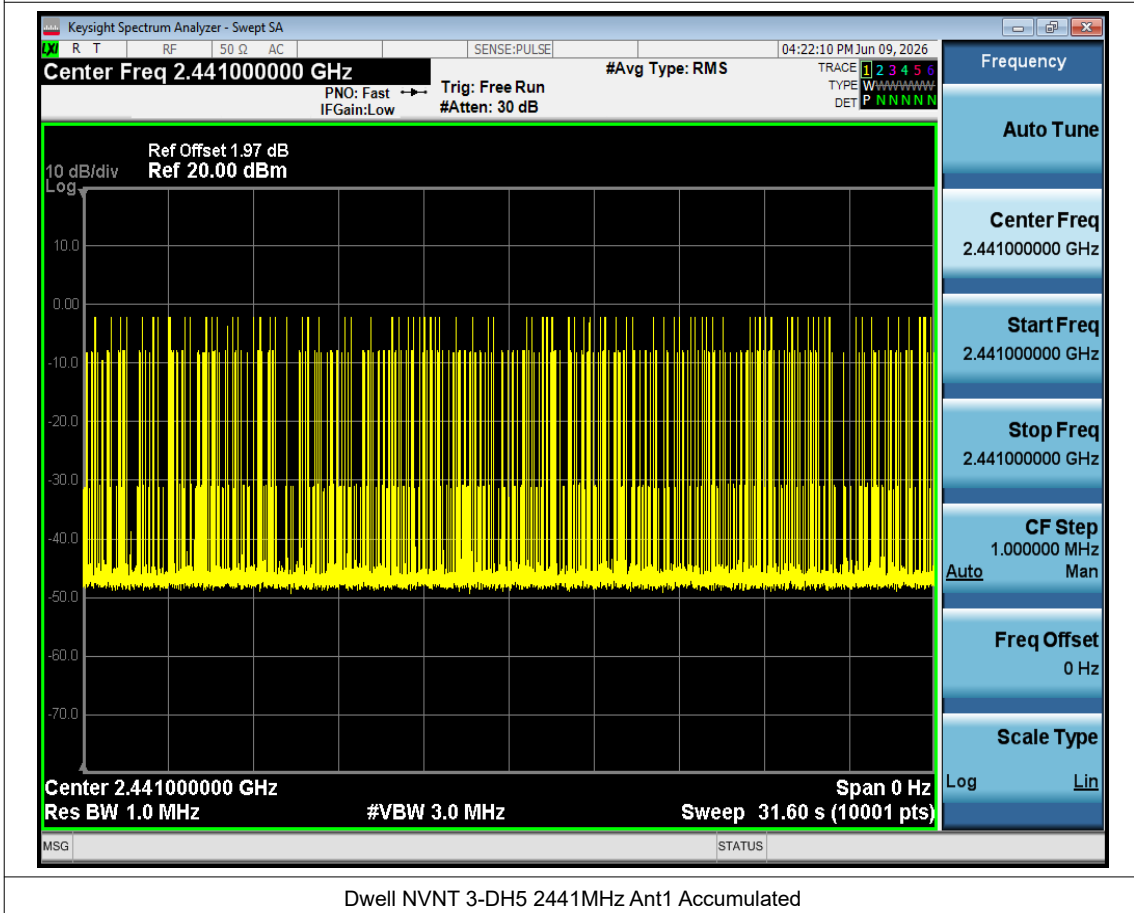
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated