

FCC Appendix RF Test Data for BT

FCC ID : 2BHJR-HP108

Company : Shenzhen xiaoxiang supply chain technology co., ltd

EUT : HTC Wireless Headphones 10

Model Number : HTC HP10

Report No. : CTA26073103001

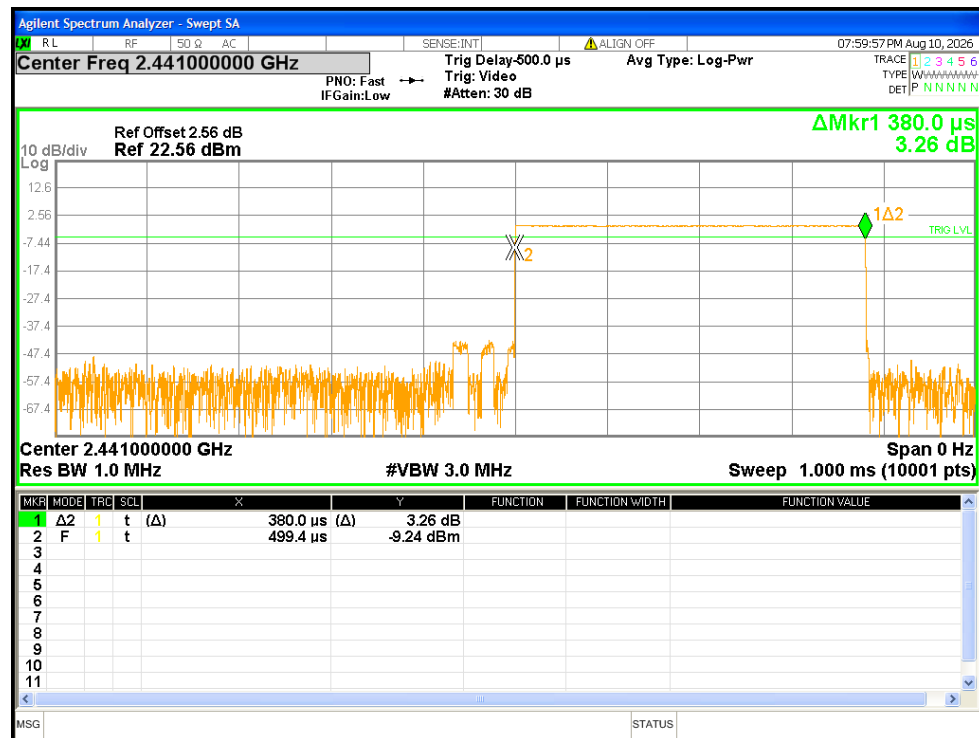
Reviewed By : Eric Wang

Dwell Time

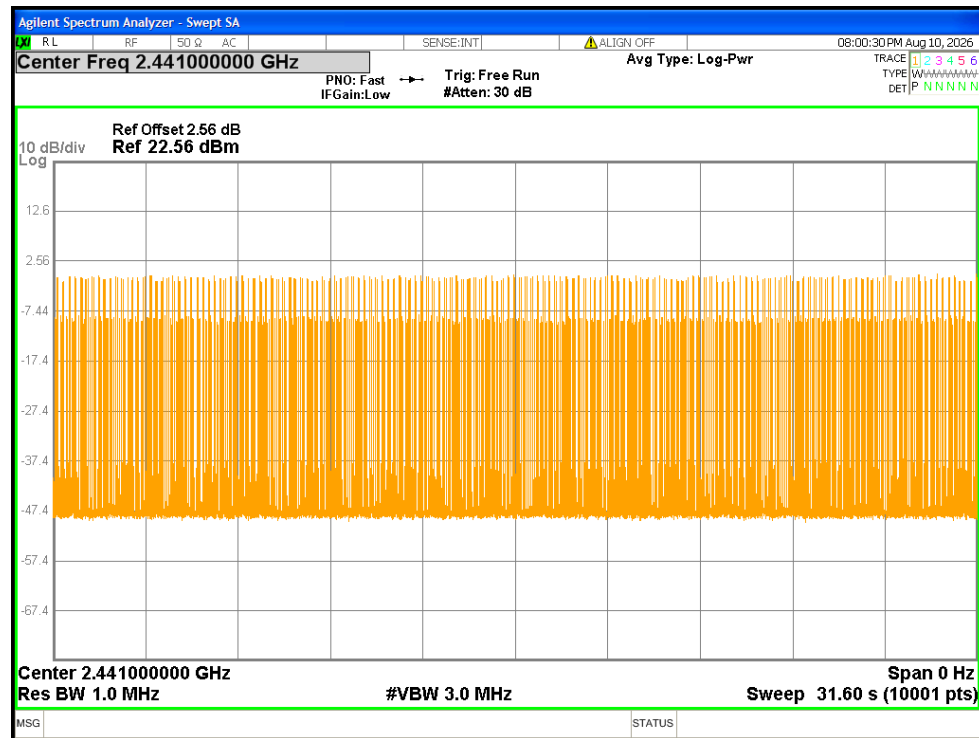
Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.38	120.08	316	31600	<=400	Pass
1-DH3	2441	1.636	250.308	153	31600	<=400	Pass
1-DH5	2441	2.884	265.328	92	31600	<=400	Pass
2-DH1	2441	0.389	122.146	314	31600	<=400	Pass
2-DH3	2441	1.641	262.56	160	31600	<=400	Pass
2-DH5	2441	2.889	274.455	95	31600	<=400	Pass
3-DH1	2441	0.389	122.924	316	31600	<=400	Pass
3-DH3	2441	1.64	264.04	161	31600	<=400	Pass
3-DH5	2441	2.891	309.337	107	31600	<=400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz One Burst



Dwell NVNT 1-DH1 2441MHz Accumulated



Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

PNO: Fast IF Gain: Low Trig Delay: 500.0 μs Trig: Video Avg Type: Log-Pwr

Ref Offset 2.56 dB Ref 22.56 dBm

ΔMkr1 1.636 ms 4.83 dB

10 dB/div Log

Center 2.441000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Span 0 Hz Sweep 4.000 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	1.636 ms (Δ)	4.83 dB			
2	F	t		498.8 μs	-9.99 dBm			

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Ref Offset 2.56 dB
Ref 22.56 dBm

Span 0 Hz

Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 31.60 s (10001 pts)

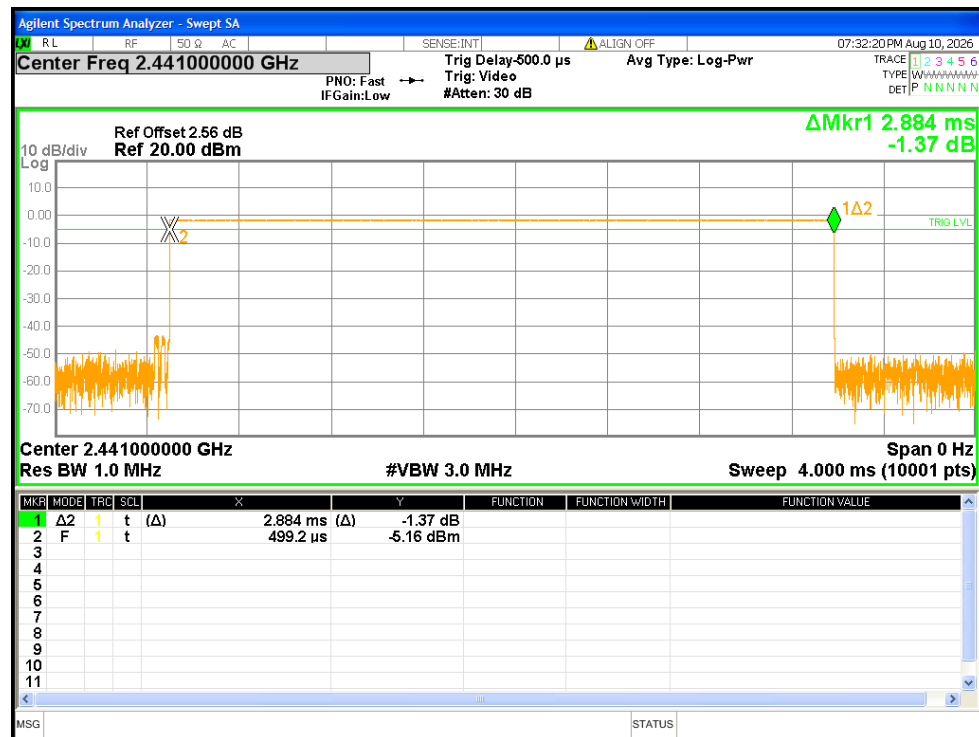
Trig: Free Run
#Atten: 30 dB

Avg Type: Log-Pwr

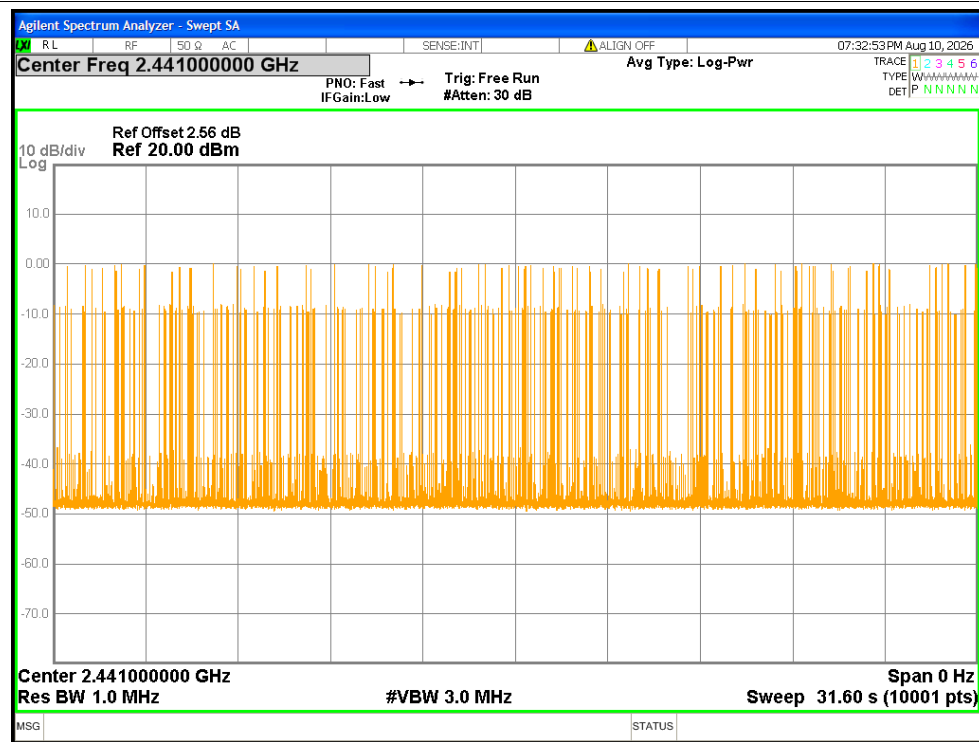
08:05:33 PM Aug 10, 2026

TRACE 1 2 3 4 5 6
TYPE W W W W W W
DET P N N N N N N

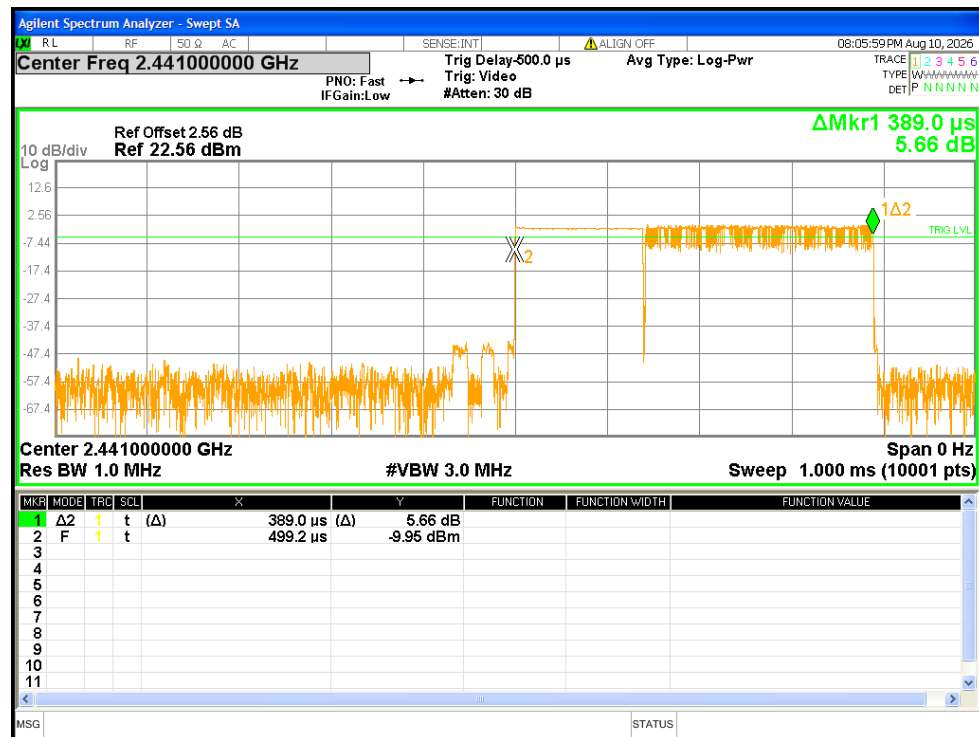
Dwell NVNT 1-DH5 2441MHz One Burst



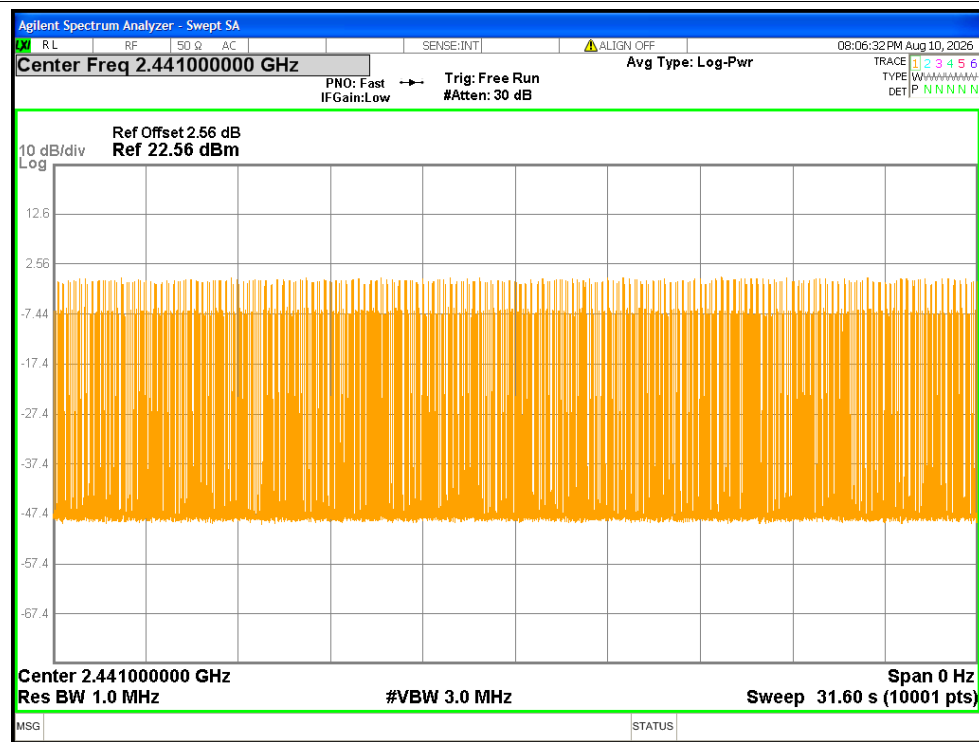
Dwell NVNT 1-DH5 2441MHz Accumulated



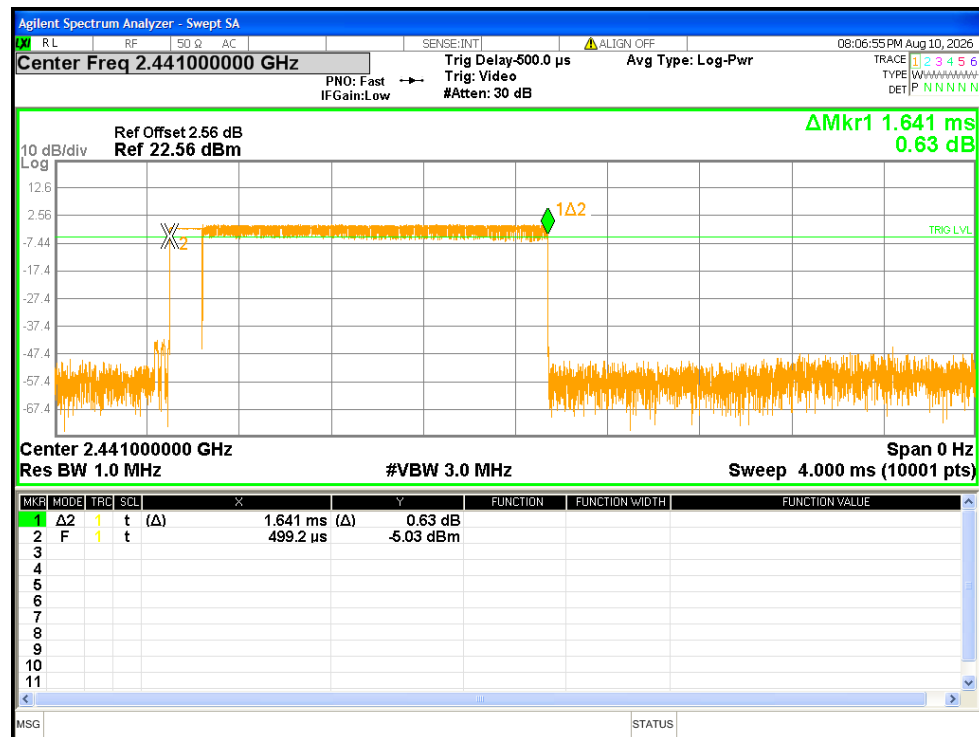
Dwell NVNT 2-DH1 2441MHz One Burst



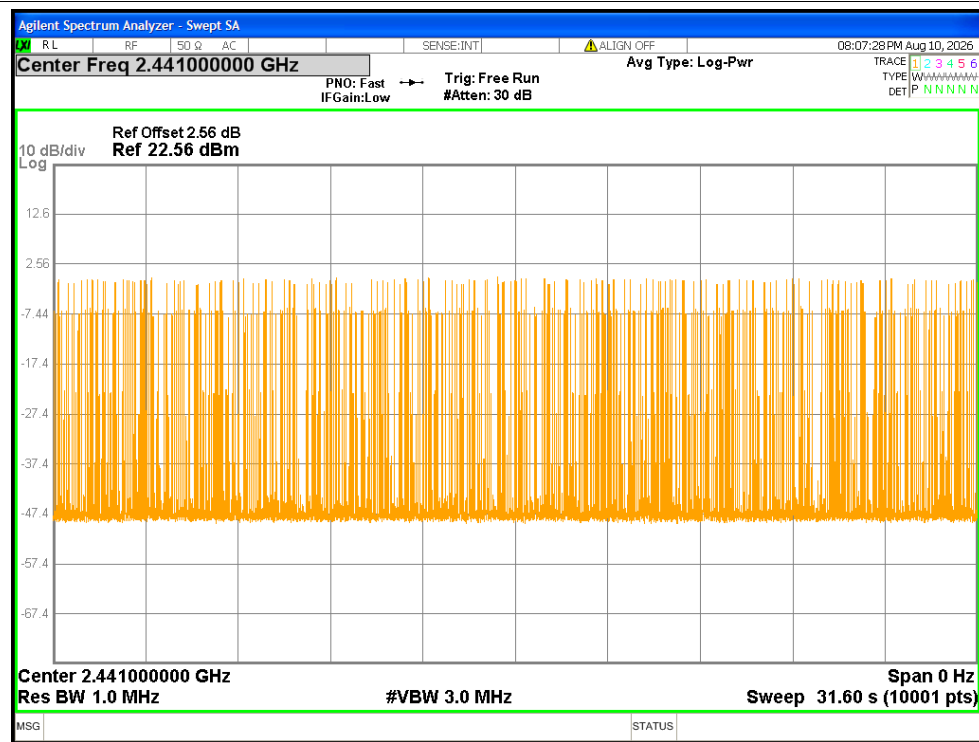
Dwell NVNT 2-DH1 2441MHz Accumulated



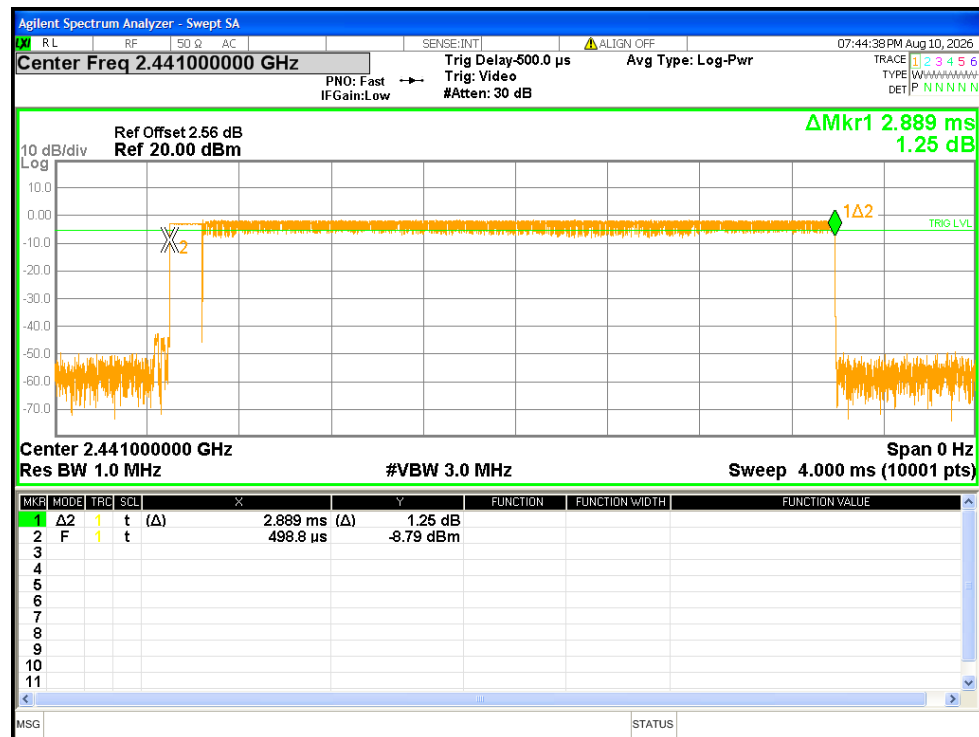
Dwell NVNT 2-DH3 2441MHz One Burst



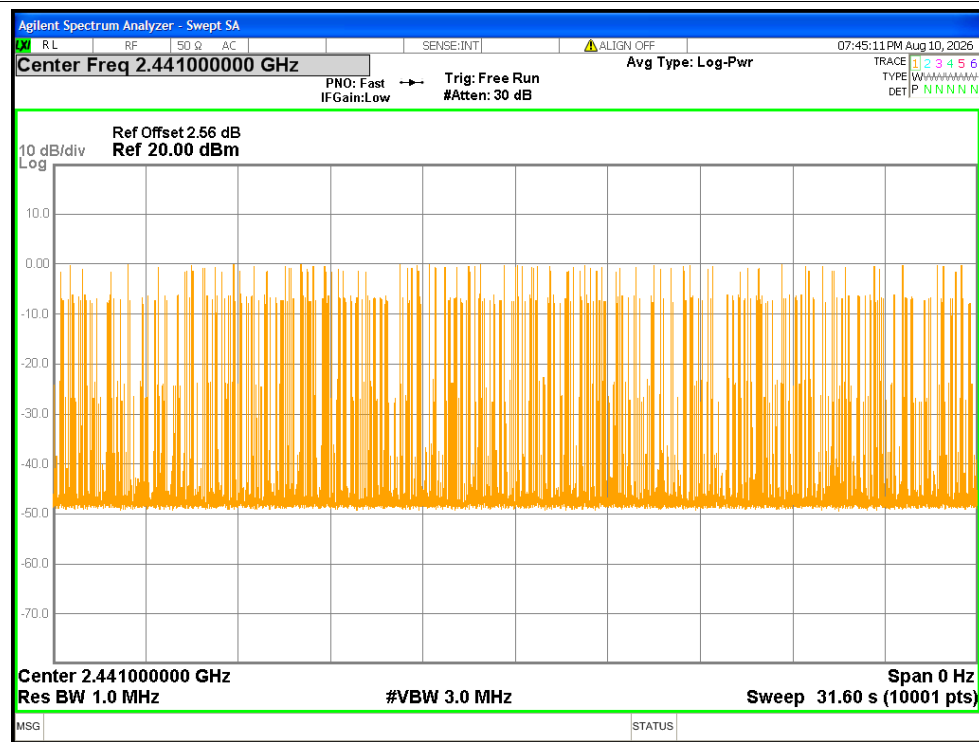
Dwell NVNT 2-DH3 2441MHz Accumulated



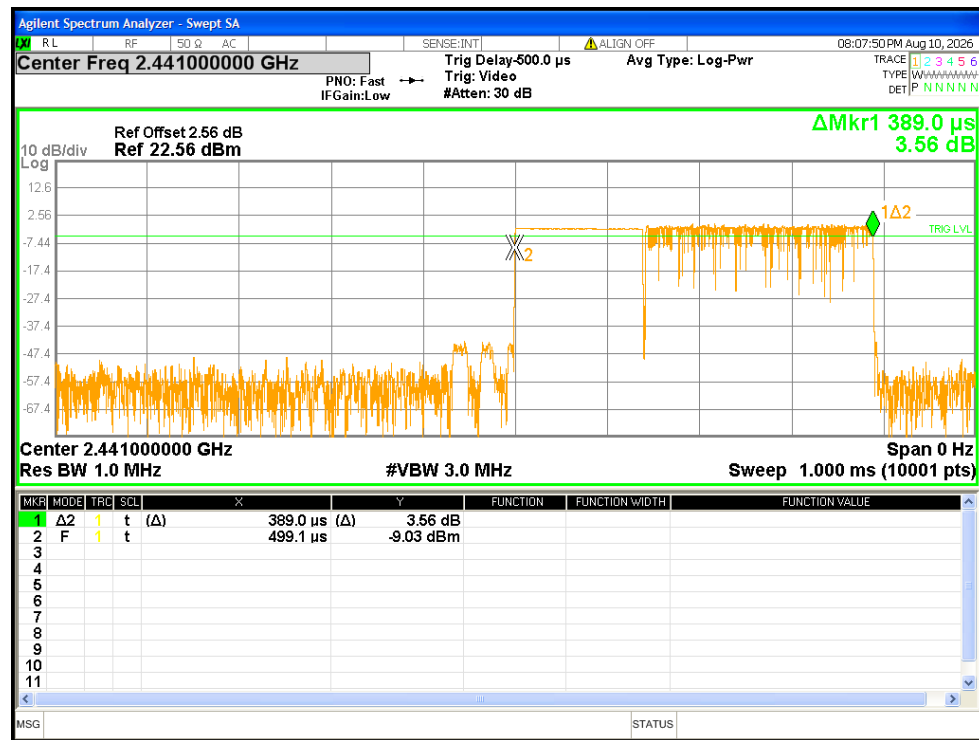
Dwell NVNT 2-DH5 2441MHz One Burst



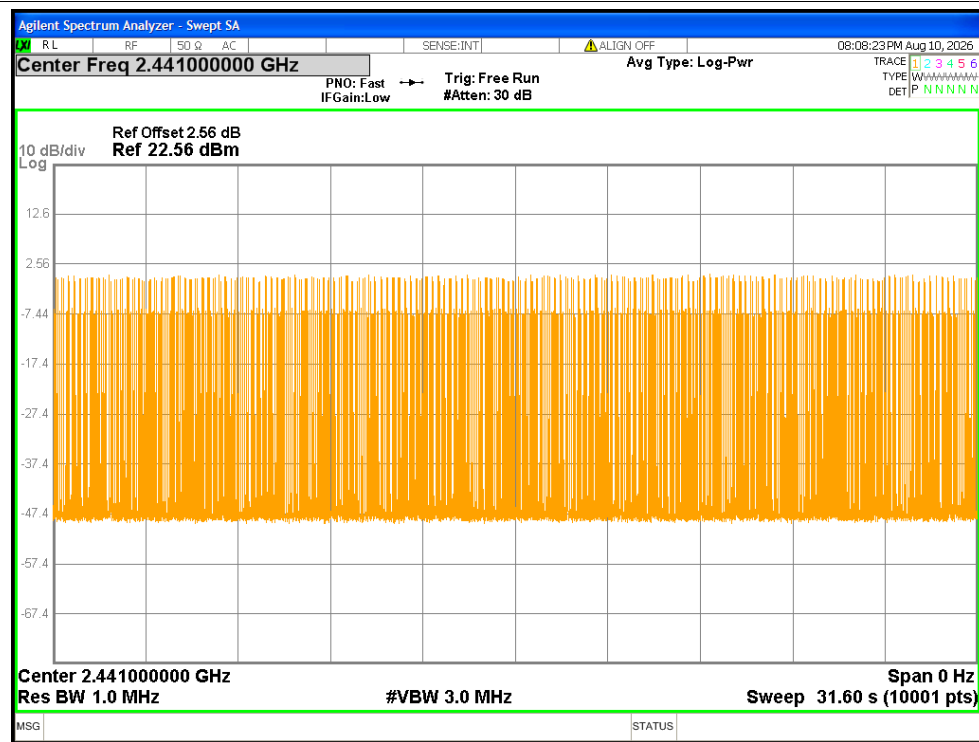
Dwell NVNT 2-DH5 2441MHz Accumulated



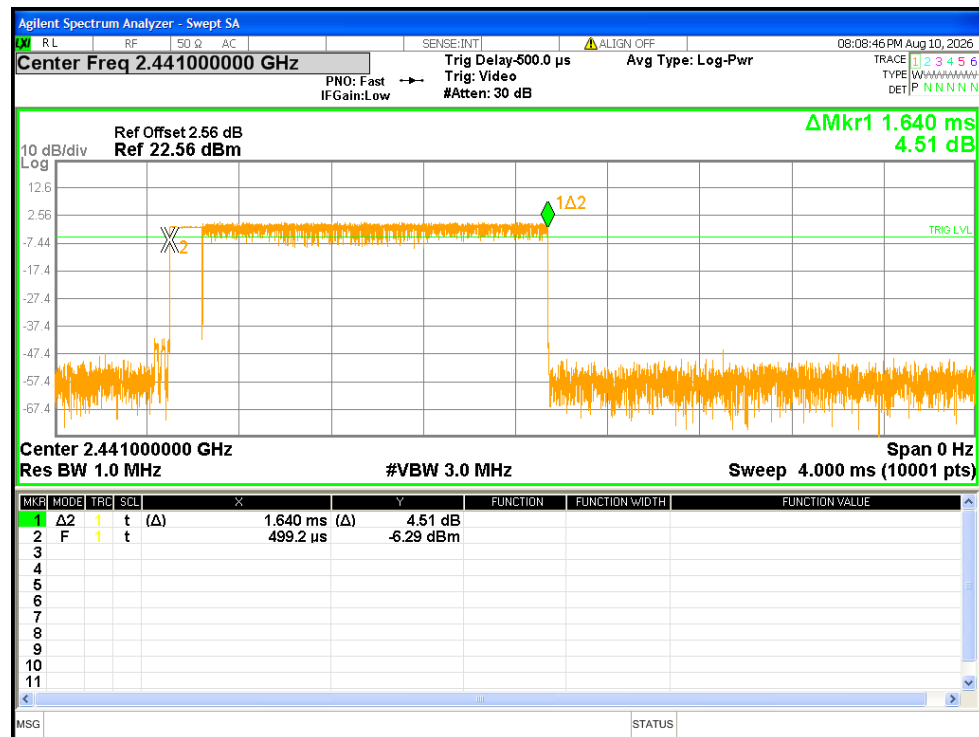
Dwell NVNT 3-DH1 2441MHz One Burst



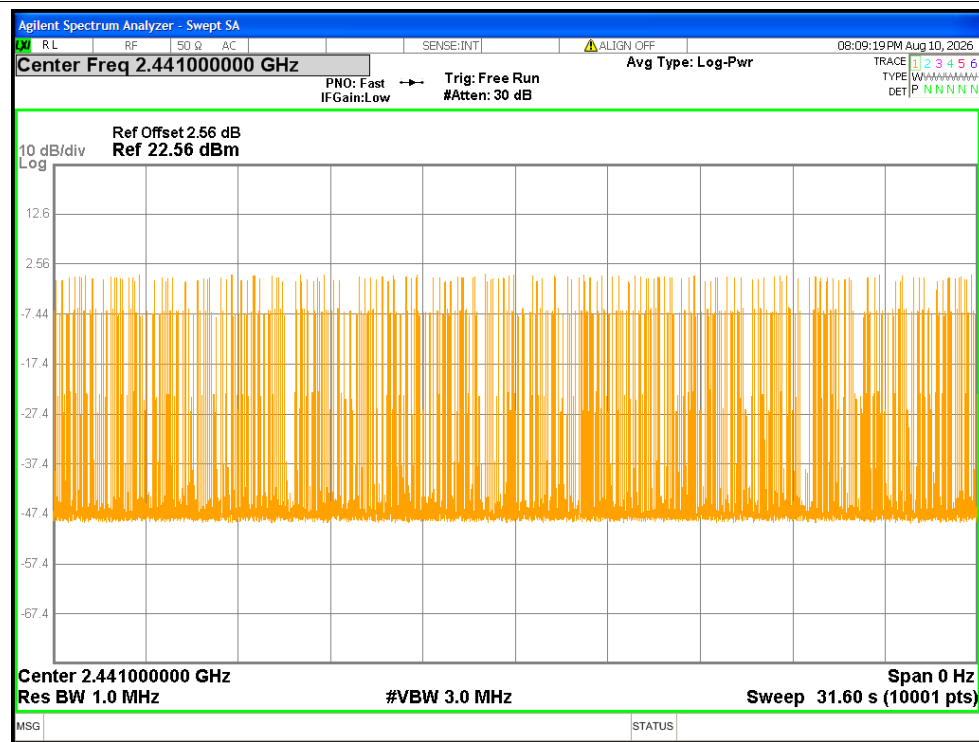
Dwell NVNT 3-DH1 2441MHz Accumulated



Dwell NVNT 3-DH3 2441MHz One Burst



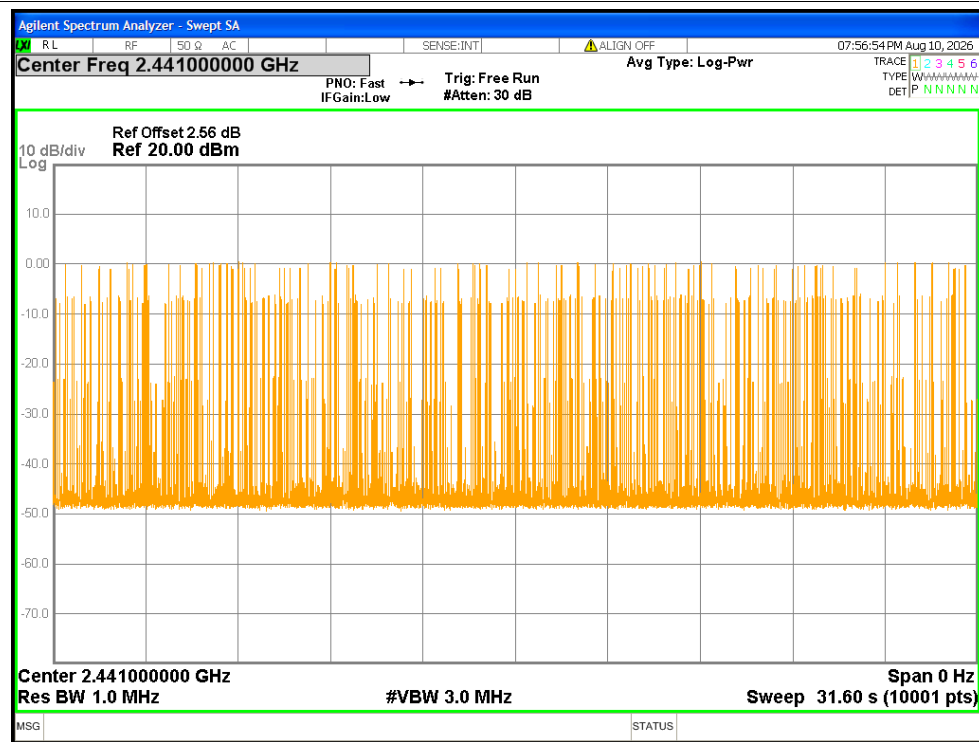
Dwell NVNT 3-DH3 2441MHz Accumulated



Dwell NVNT 3-DH5 2441MHz One Burst



Dwell NVNT 3-DH5 2441MHz Accumulated

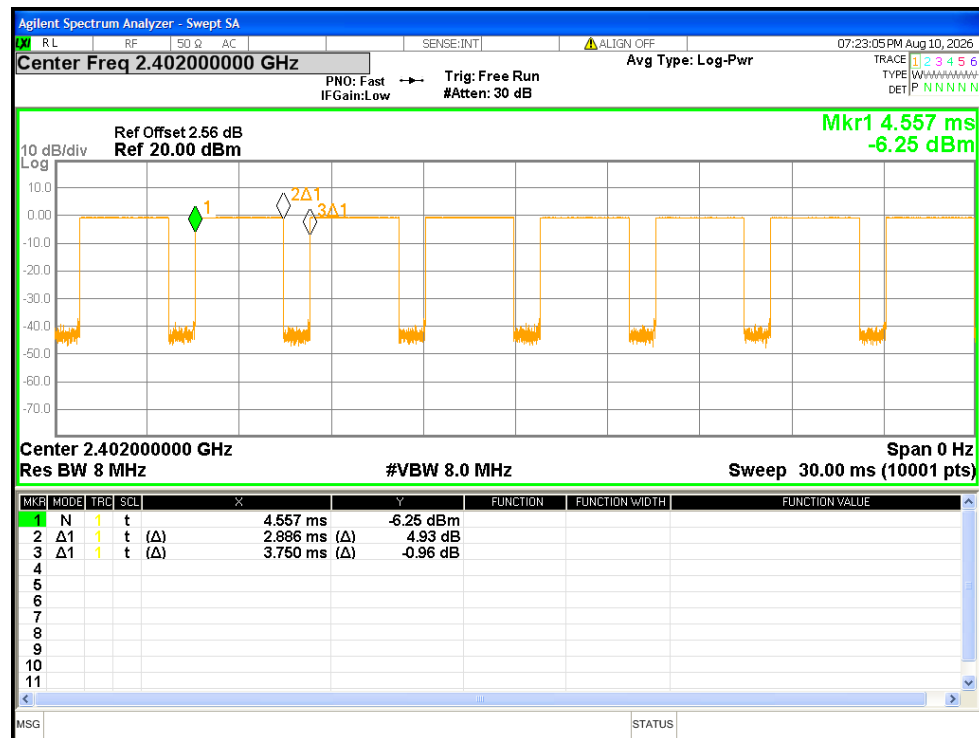


Duty Cycle

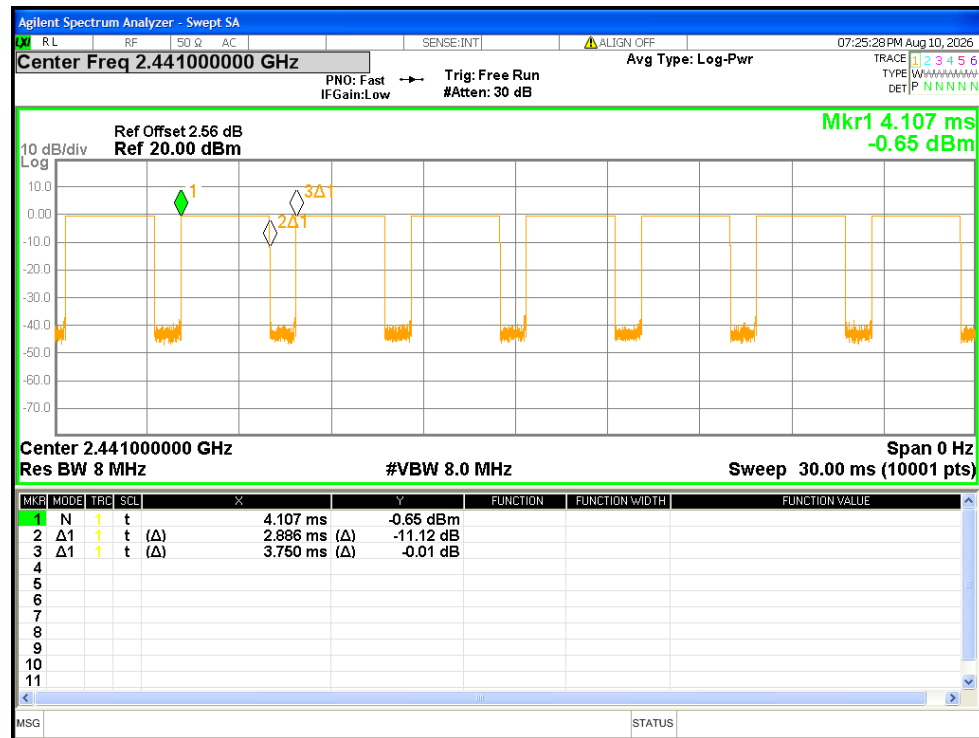
Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
1-DH5	2402	2.886	3.75	76.96	1.14	0.35
1-DH5	2441	2.886	3.75	76.96	1.14	0.35
1-DH5	2480	2.886	3.75	76.96	1.14	0.35
2-DH5	2402	2.892	3.75	77.12	1.13	0.35
2-DH5	2441	2.889	3.75	77.04	1.13	0.35
2-DH5	2480	2.889	3.75	77.04	1.13	0.35
3-DH5	2402	2.892	3.75	77.12	1.13	0.35
3-DH5	2441	2.892	3.75	77.12	1.13	0.35
3-DH5	2480	2.892	3.75	77.12	1.13	0.35

Test Graphs

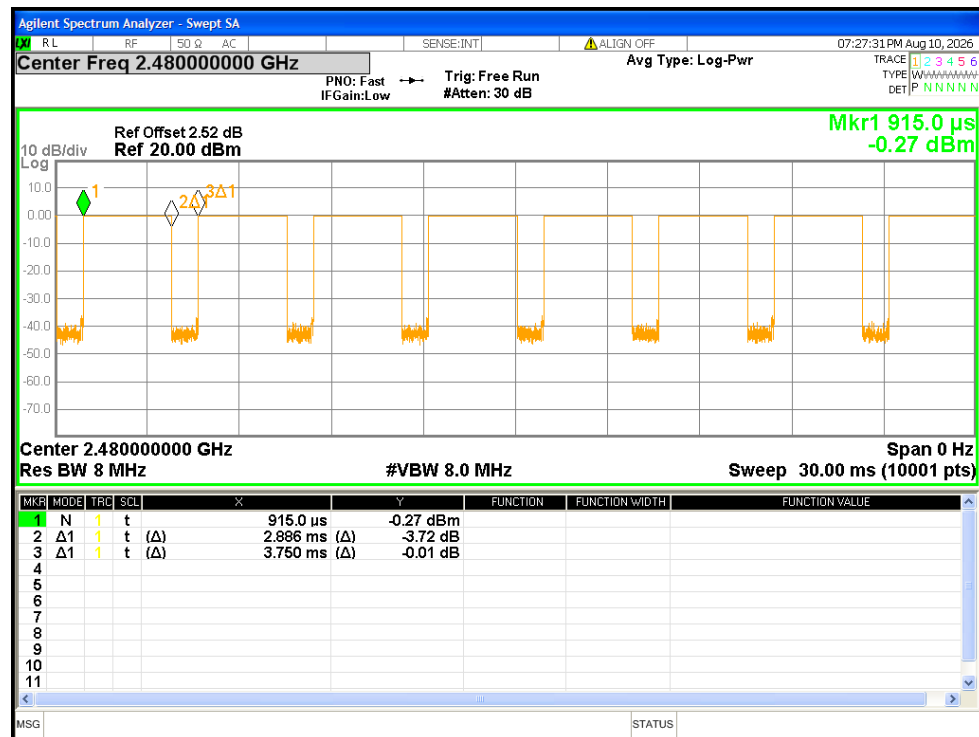
Duty Cycle NVNT 1-DH5 2402MHz



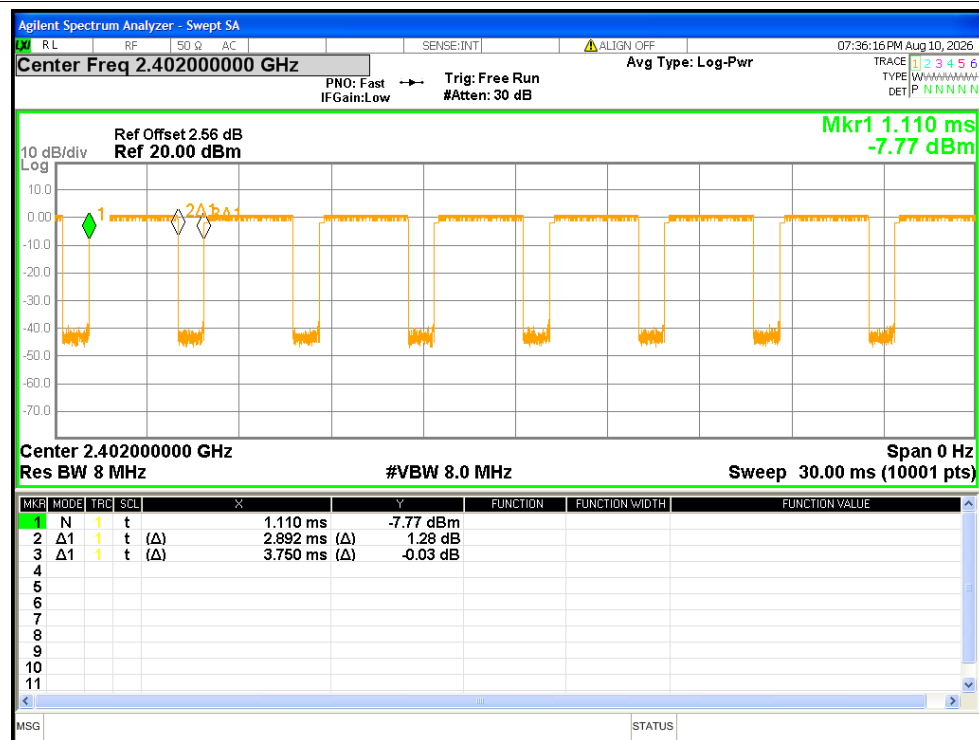
Duty Cycle NVNT 1-DH5 2441MHz



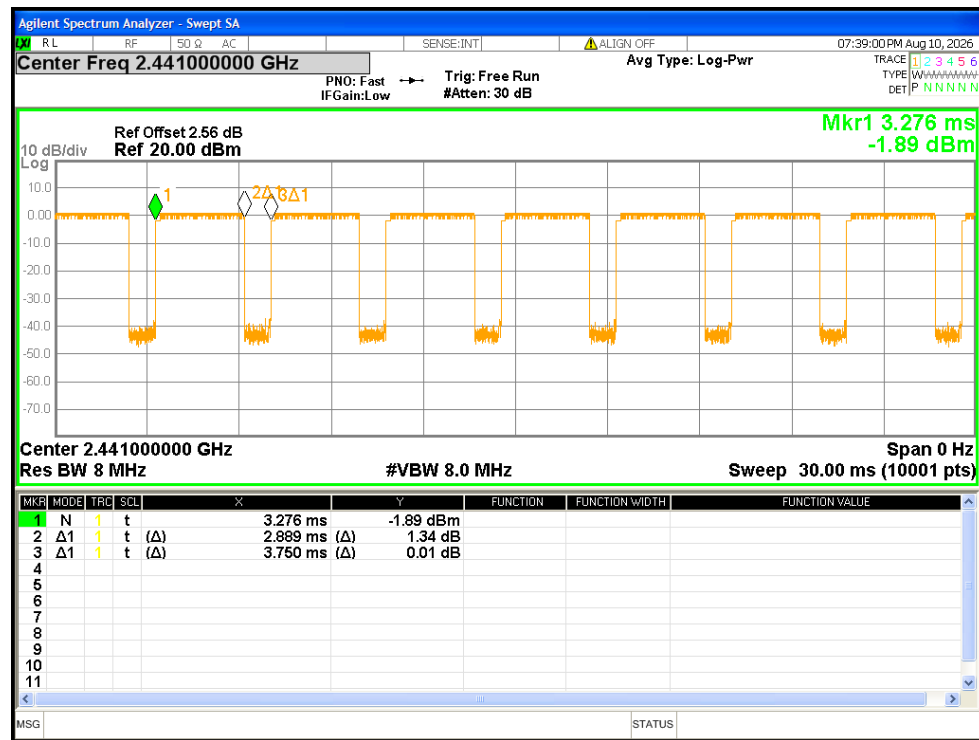
Duty Cycle NVNT 1-DH5 2480MHz



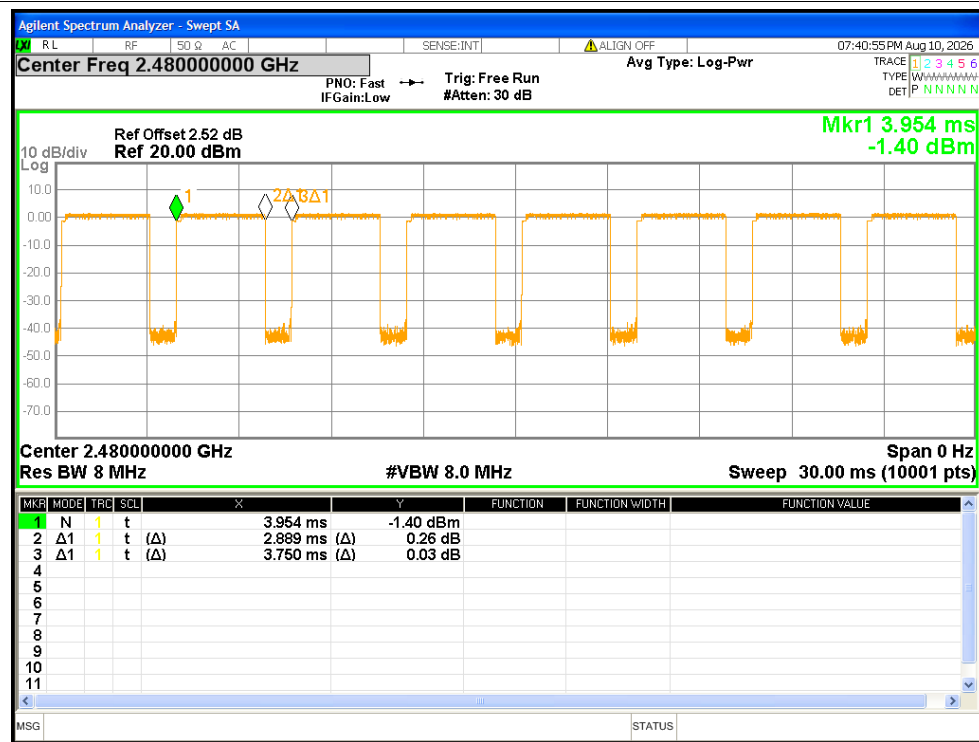
Duty Cycle NVNT 2-DH5 2402MHz



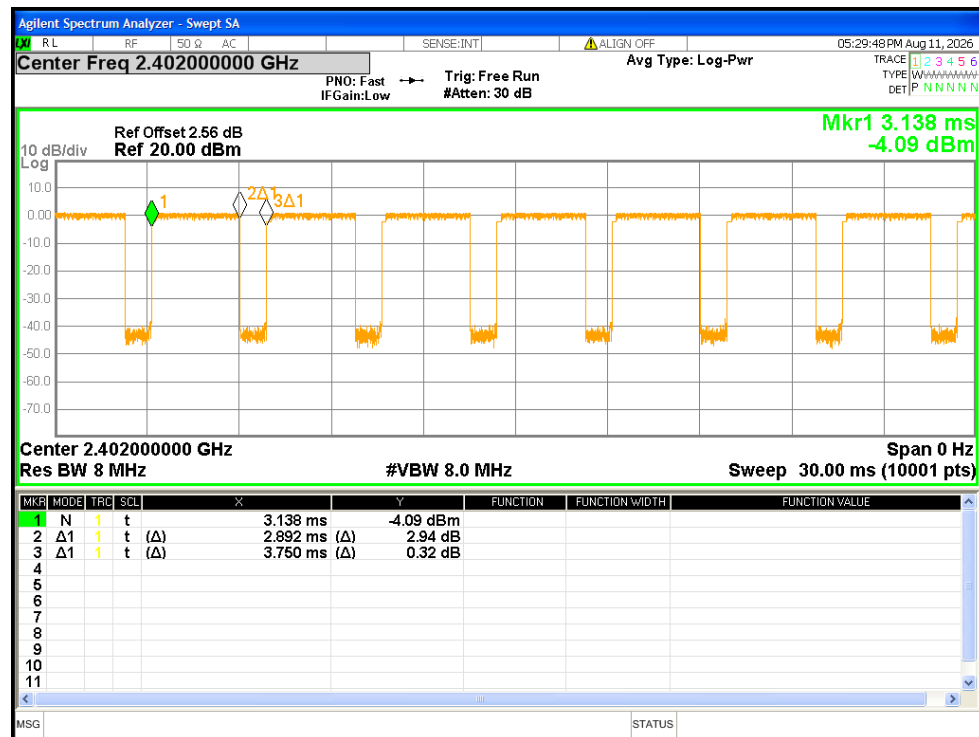
Duty Cycle NVNT 2-DH5 2441MHz



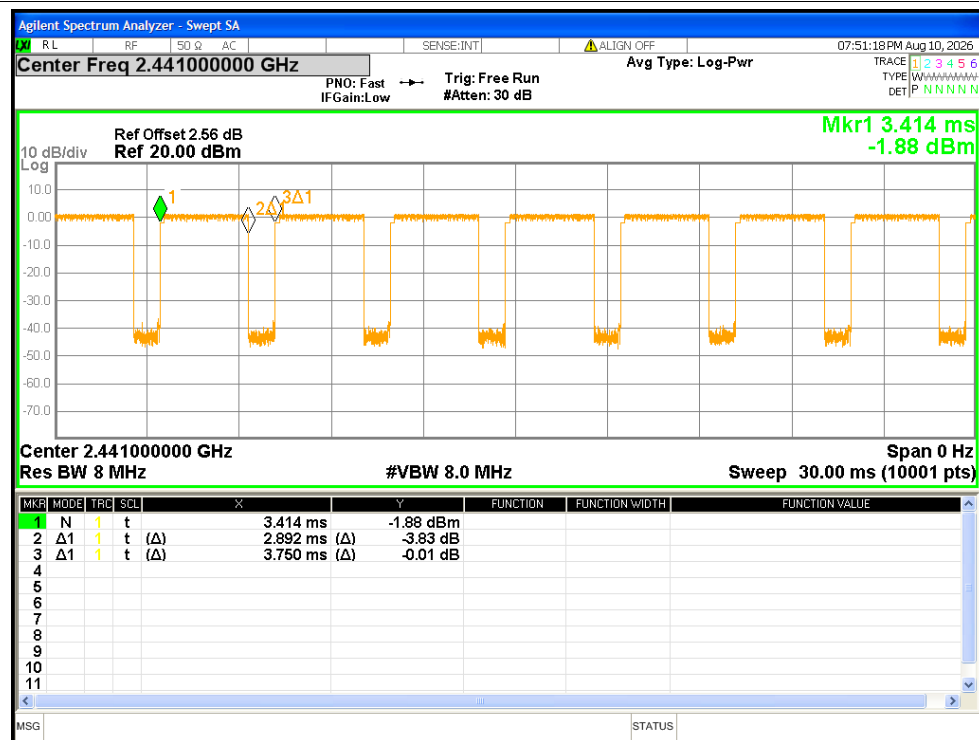
Duty Cycle NVNT 2-DH5 2480MHz



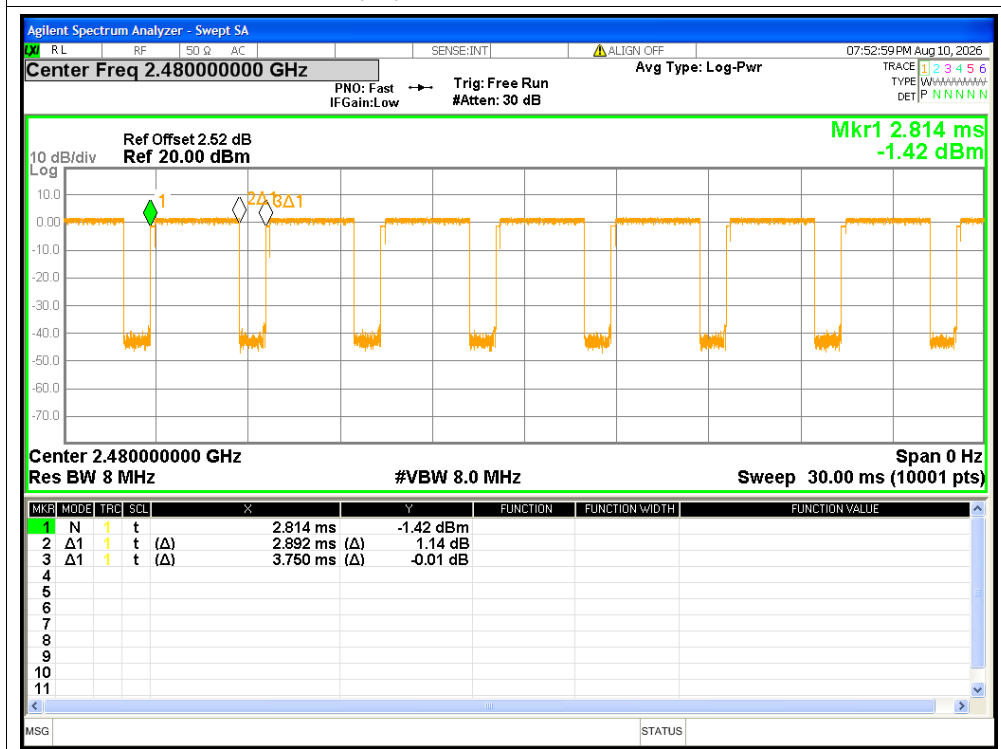
Duty Cycle NVNT 3-DH5 2402MHz



Duty Cycle NVNT 3-DH5 2441MHz



Duty Cycle NVNT 3-DH5 2480MHz



Maximum Peak Conducted Output Power

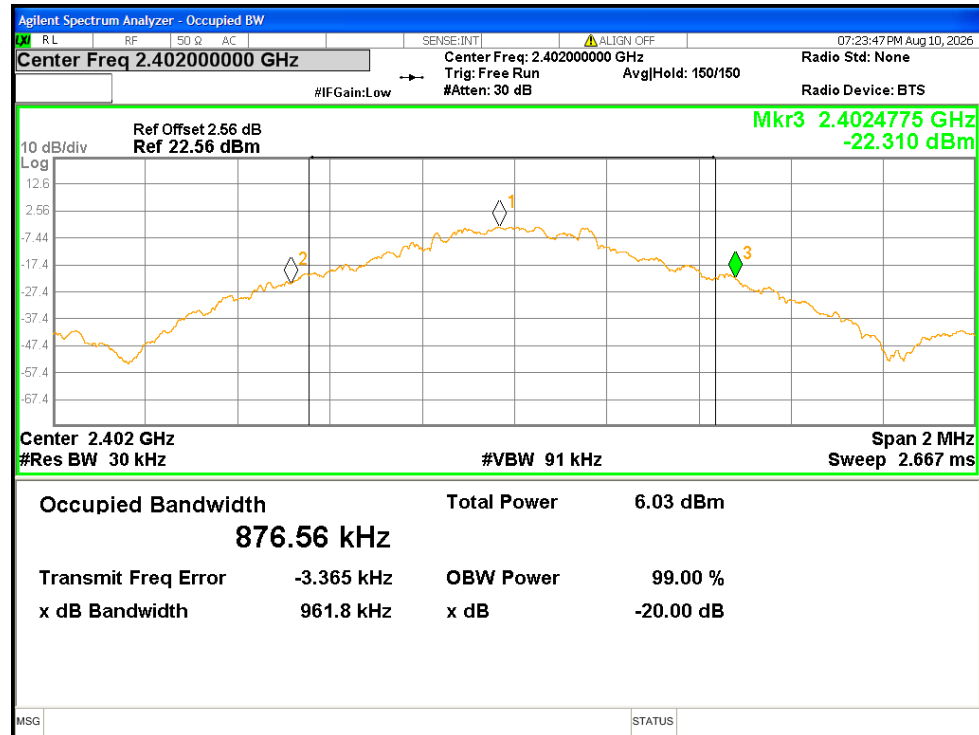
Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	-0.73	<=30	Pass
1-DH5	2441	-0.59	<=30	Pass
1-DH5	2480	-0.18	<=30	Pass
2-DH5	2402	0.32	<=21	Pass
2-DH5	2441	0.2	<=21	Pass
2-DH5	2480	0.68	<=21	Pass
3-DH5	2402	0.12	<=21	Pass
3-DH5	2441	0.42	<=21	Pass
3-DH5	2480	0.91	<=21	Pass

-20dB Bandwidth

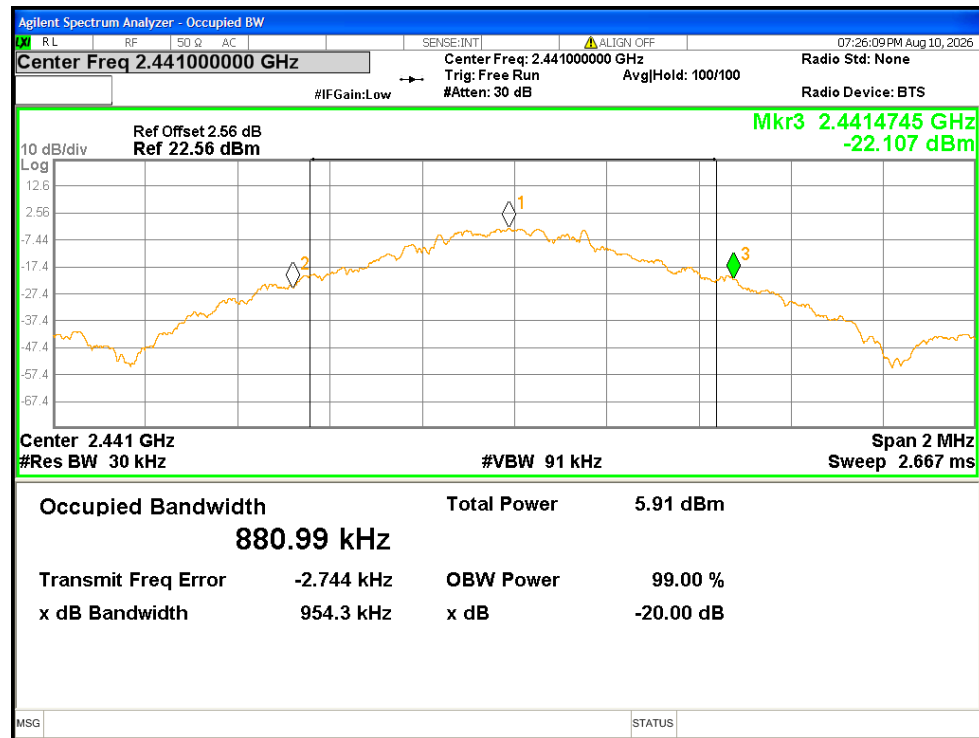
Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	0.9618	Pass
1-DH5	2441	0.9543	Pass
1-DH5	2480	0.9468	Pass
2-DH5	2402	1.441	Pass
2-DH5	2441	1.505	Pass
2-DH5	2480	1.476	Pass
3-DH5	2402	1.473	Pass
3-DH5	2441	1.482	Pass
3-DH5	2480	1.471	Pass

Test Graphs

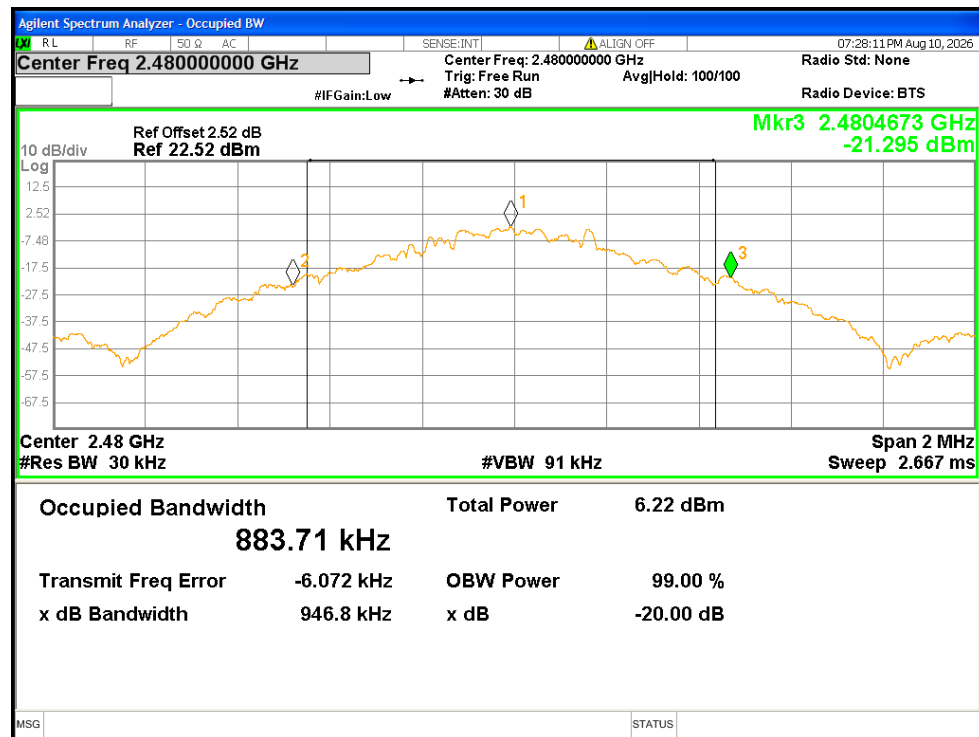
-20dB Bandwidth NVNT 1-DH5 2402MHz



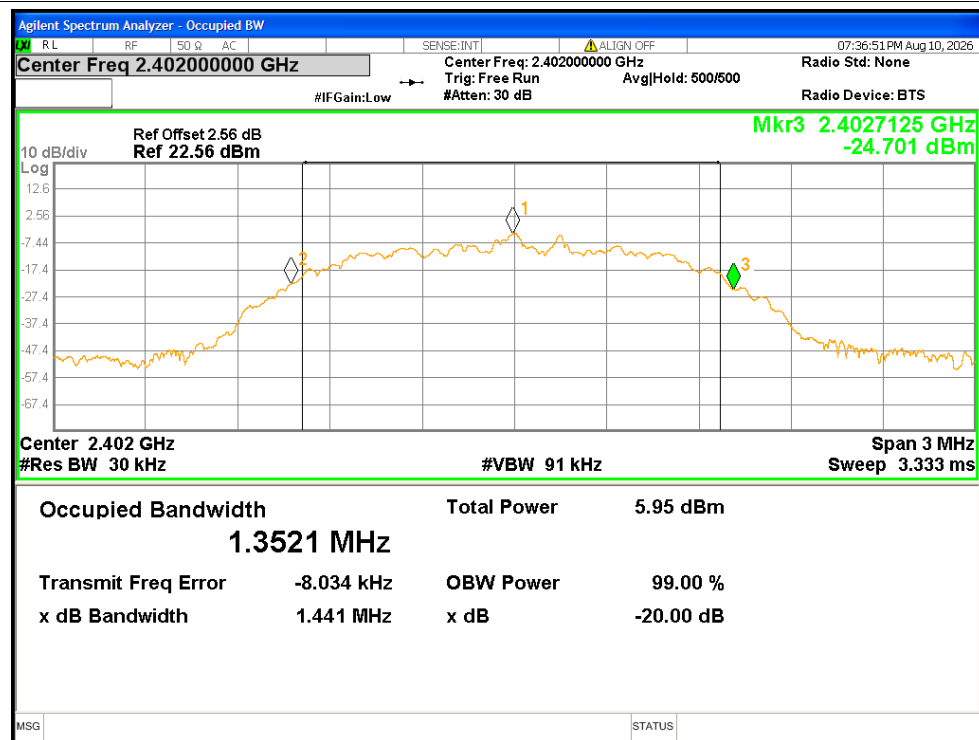
-20dB Bandwidth NVNT 1-DH5 2441MHz



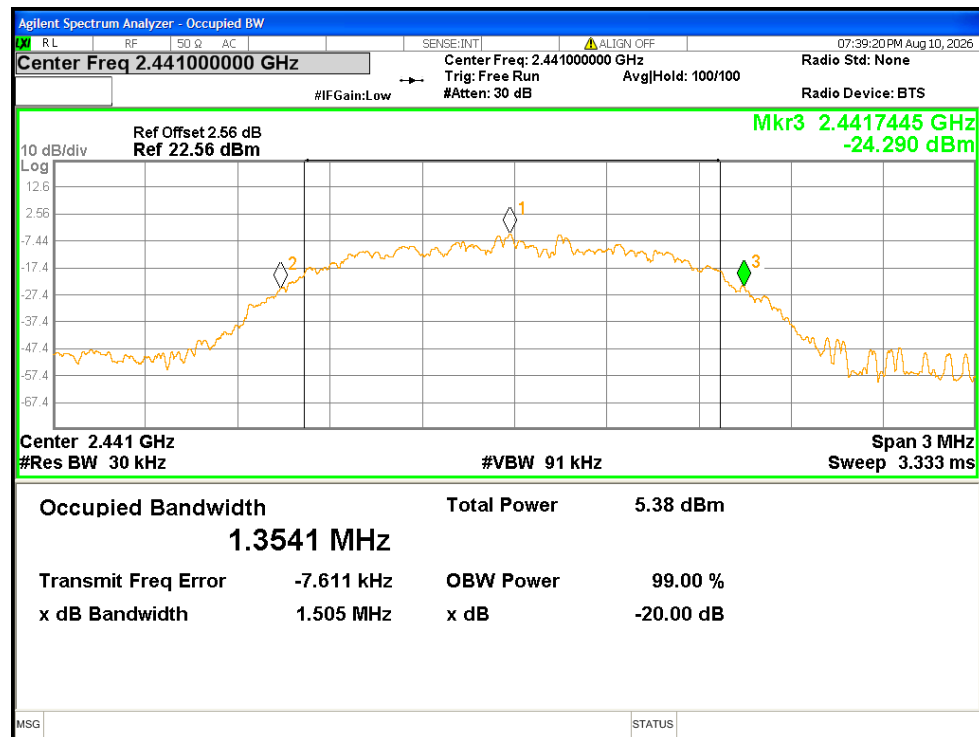
-20dB Bandwidth NVNT 1-DH5 2480MHz



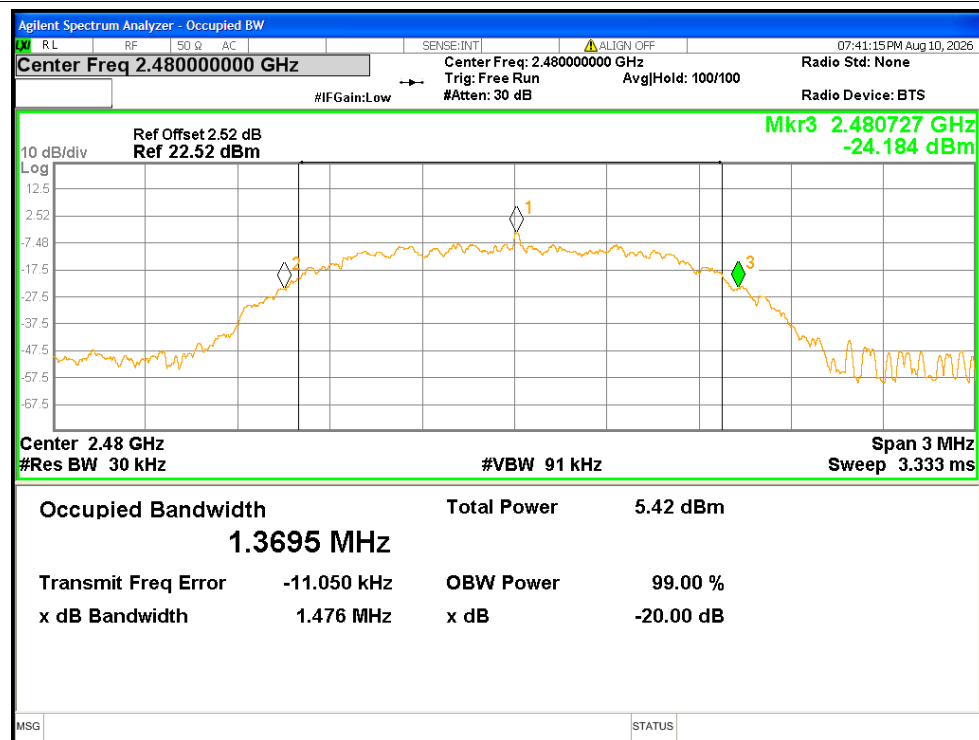
-20dB Bandwidth NVNT 2-DH5 2402MHz



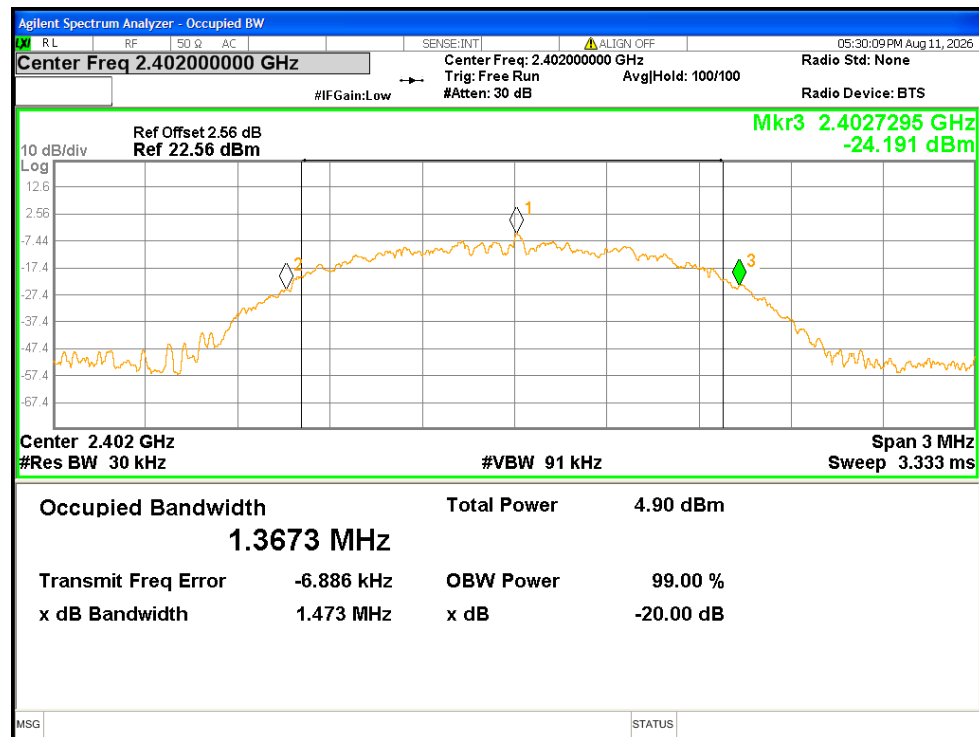
-20dB Bandwidth NVNT 2-DH5 2441MHz



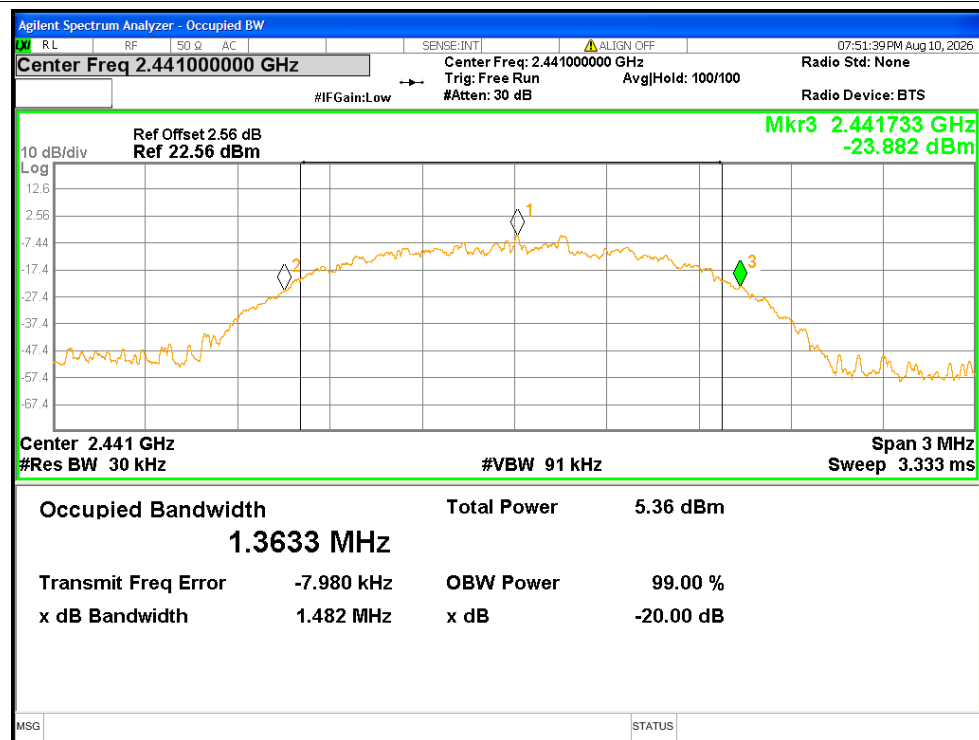
-20dB Bandwidth NVNT 2-DH5 2480MHz



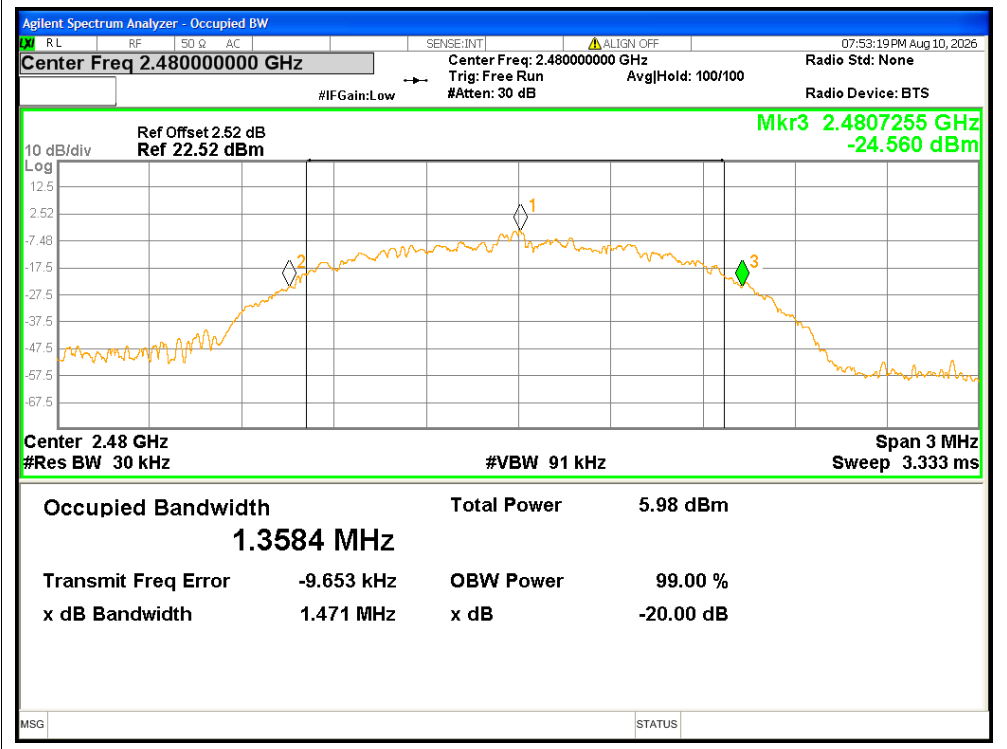
-20dB Bandwidth NVNT 3-DH5 2402MHz



-20dB Bandwidth NVNT 3-DH5 2441MHz



-20dB Bandwidth NVNT 3-DH5 2480MHz

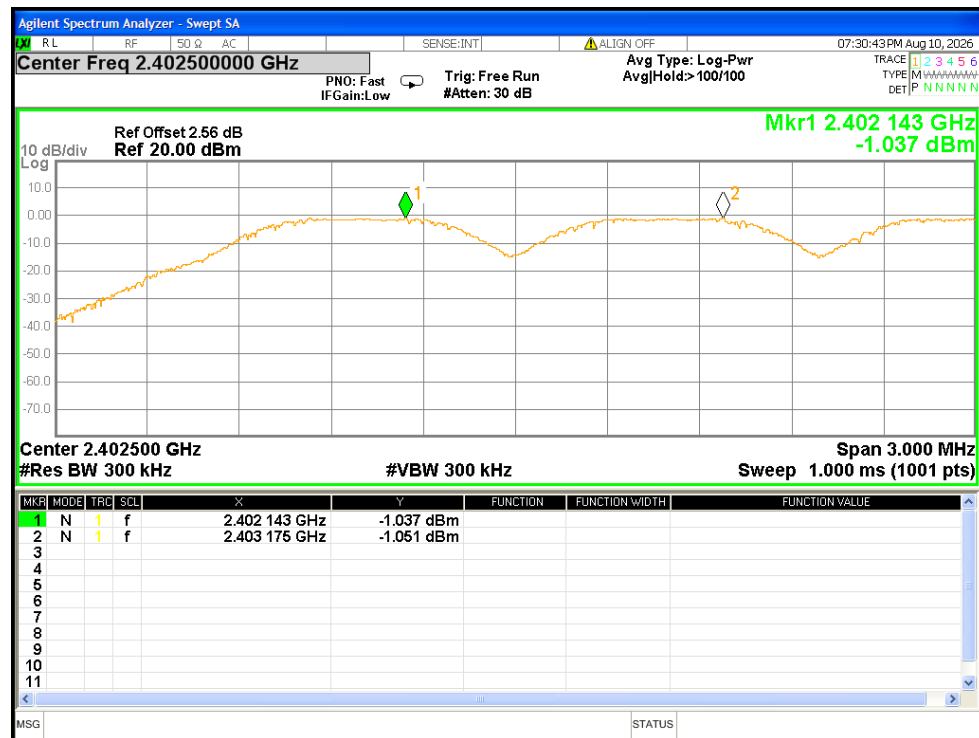


Carrier Frequencies Separation

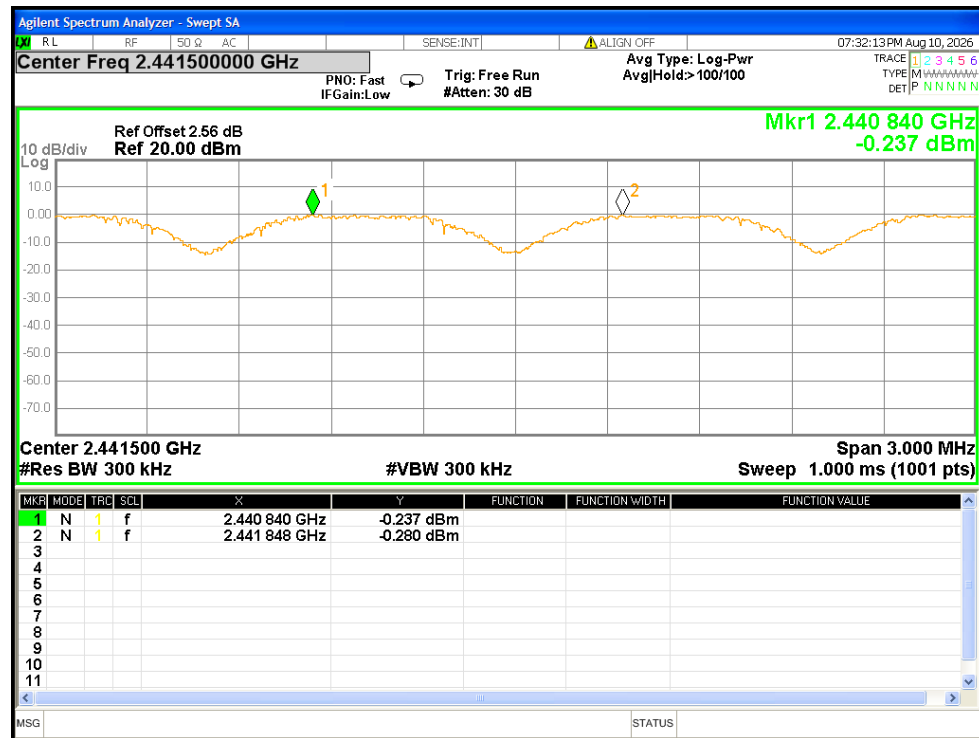
Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2402.143	2403.175	1.032	≥ 0.962	Pass
1-DH5	2440.84	2441.848	1.008	≥ 0.954	Pass
1-DH5	2479.167	2480.145	0.978	≥ 0.947	Pass
2-DH5	2401.849	2403.175	1.326	≥ 0.961	Pass
2-DH5	2440.816	2441.929	1.113	≥ 1.003	Pass
2-DH5	2478.867	2479.878	1.011	≥ 0.984	Pass
3-DH5	2401.924	2403.13	1.206	≥ 0.983	Pass
3-DH5	2440.906	2442.061	1.155	≥ 0.988	Pass
3-DH5	2478.846	2479.896	1.05	≥ 0.981	Pass

Test Graphs

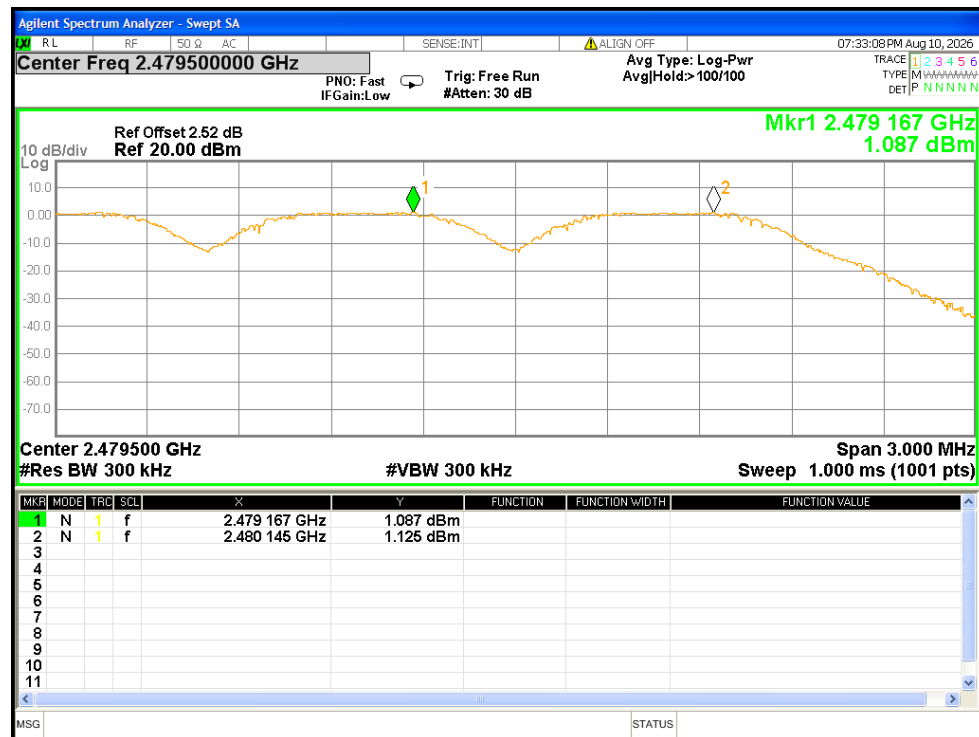
CFS NVNT 1-DH5 2402MHz



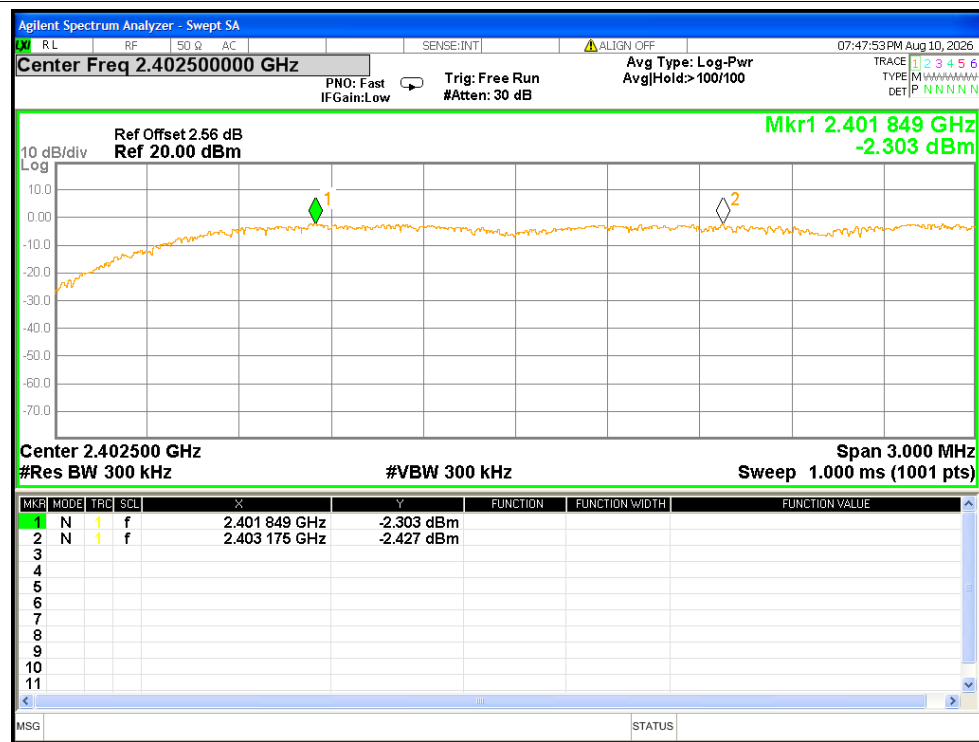
CFS NVNT 1-DH5 2441MHz



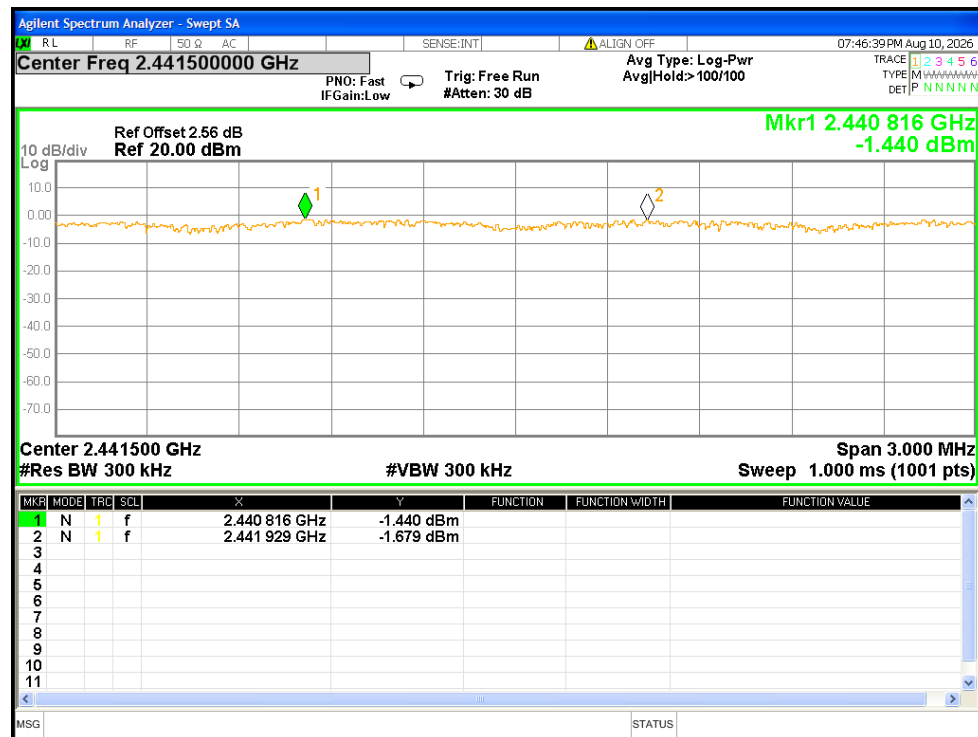
CFS NVNT 1-DH5 2480MHz



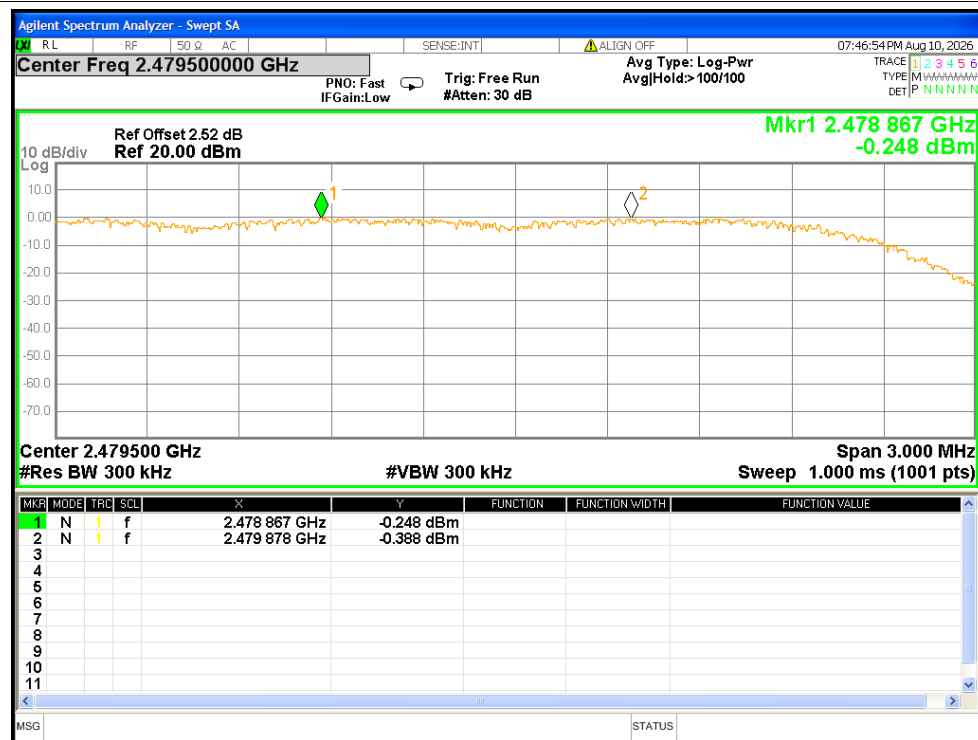
CFS NVNT 2-DH5 2402MHz



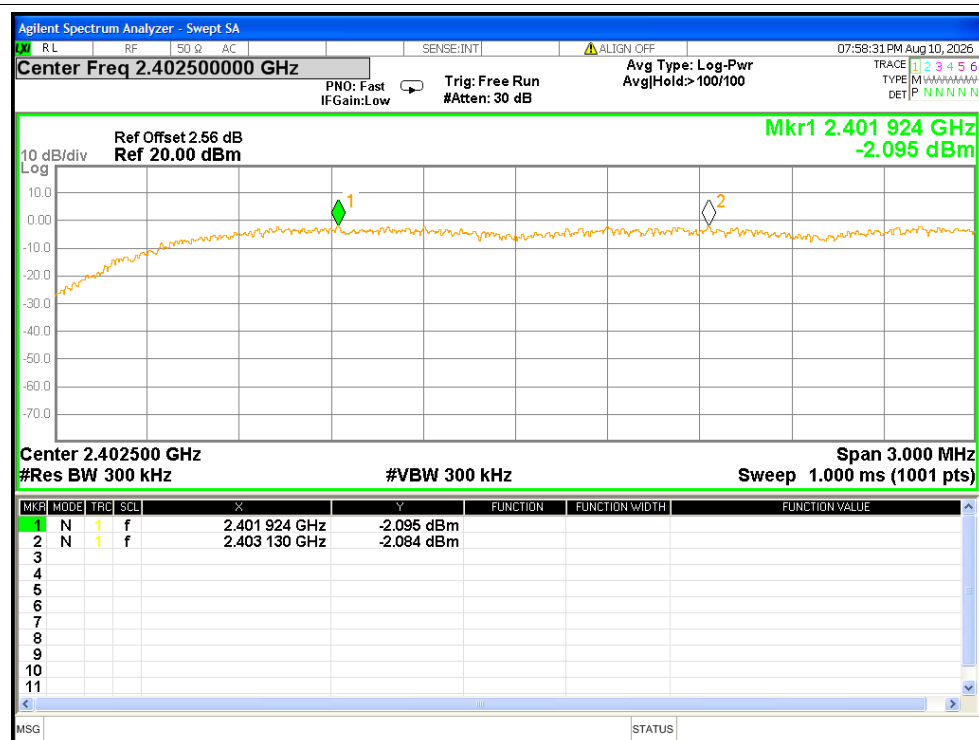
CFS NVNT 2-DH5 2441MHz



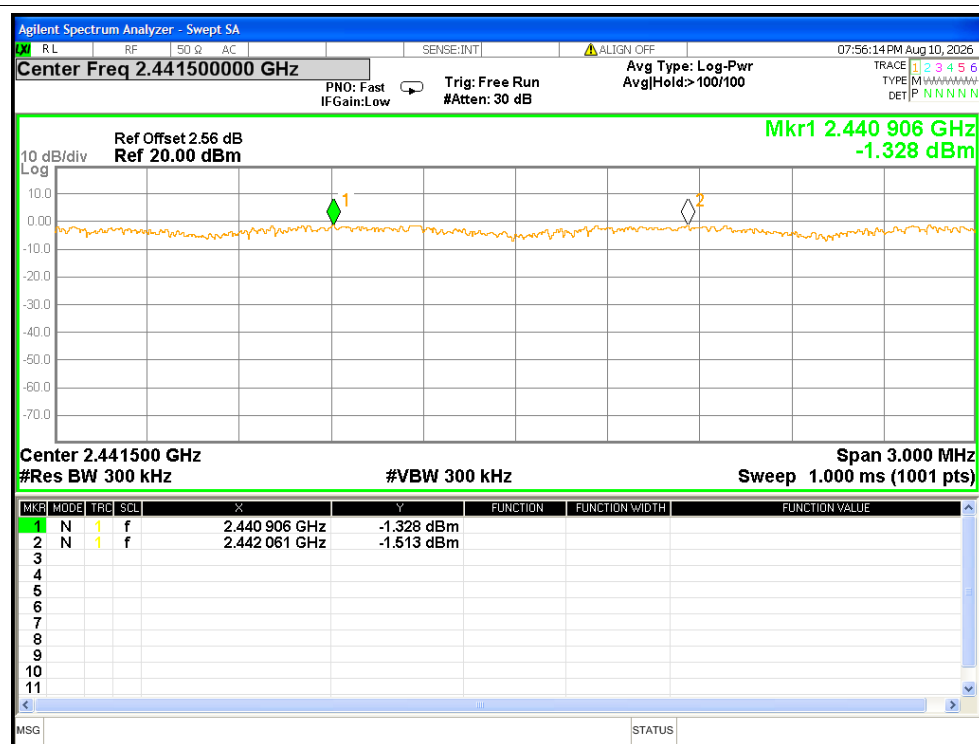
CFS NVNT 2-DH5 2480MHz



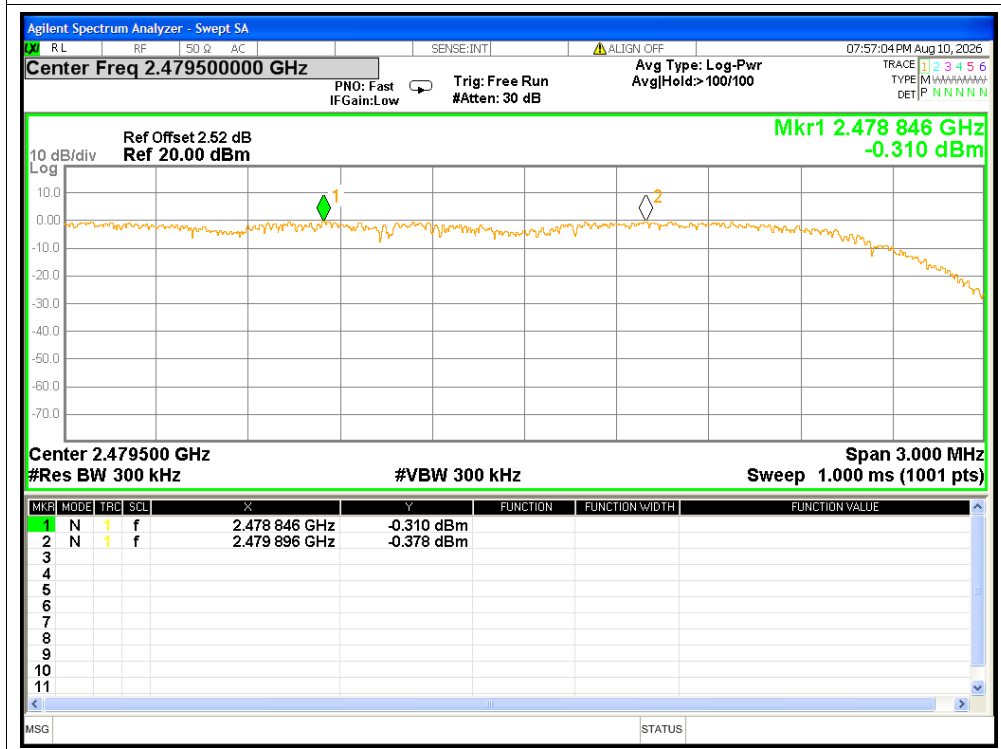
CFS NVNT 3-DH5 2402MHz



CFS NVNT 3-DH5 2441MHz



CFS NVNT 3-DH5 2480MHz

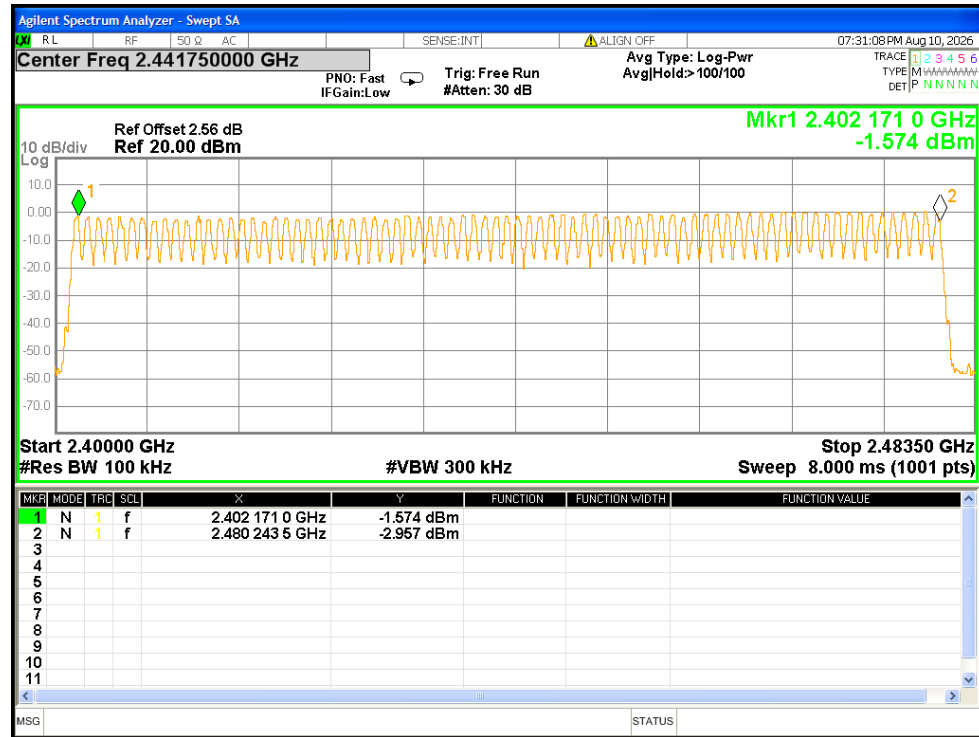


Number of Hopping Channel

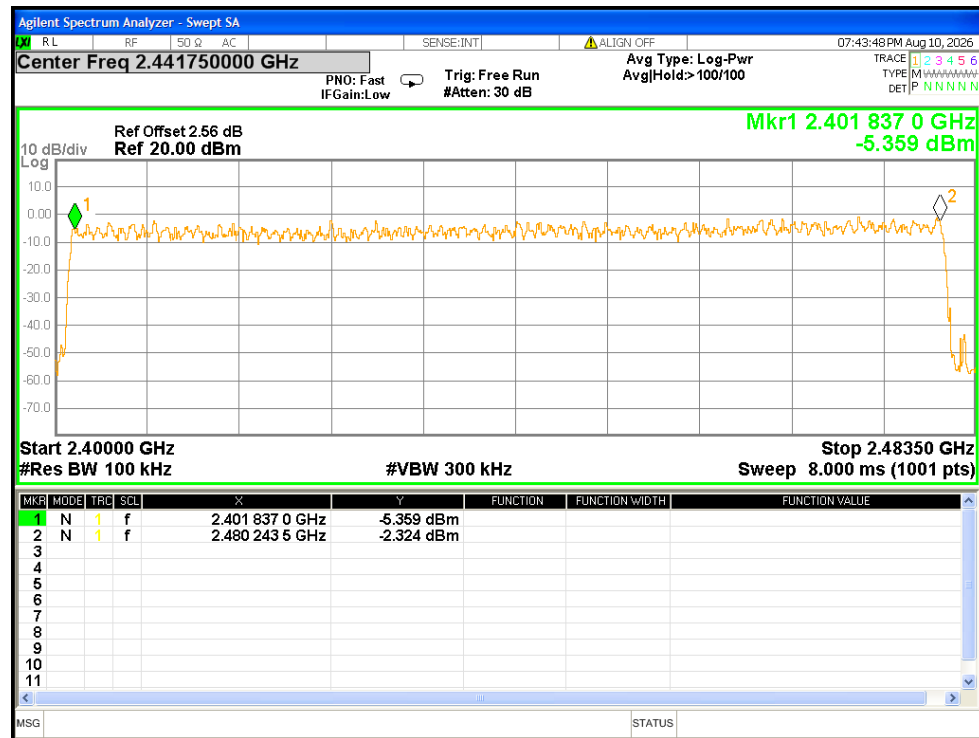
Mode	Hopping Number	Limit	Verdict
1-DH5	79	≥ 15	Pass
2-DH5	79	≥ 15	Pass
3-DH5	79	≥ 15	Pass

Test Graphs

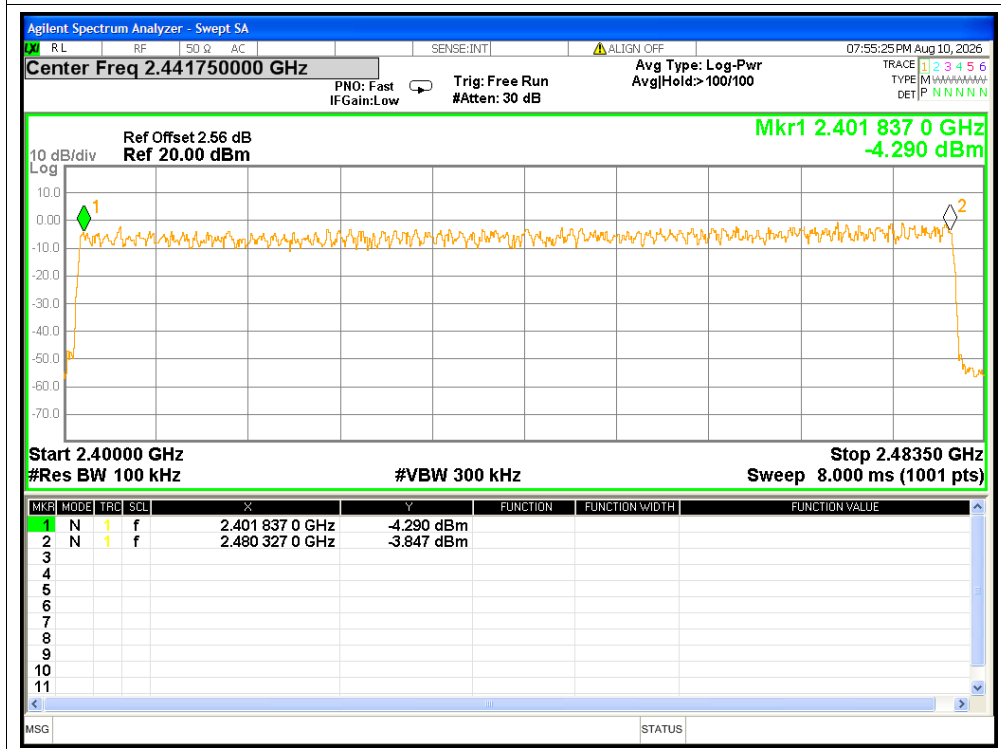
Hopping No. NVNT 1-DH5 Hopping



Hopping No. NVNT 2-DH5 Hopping



Hopping No. NVNT 3-DH5 Hopping

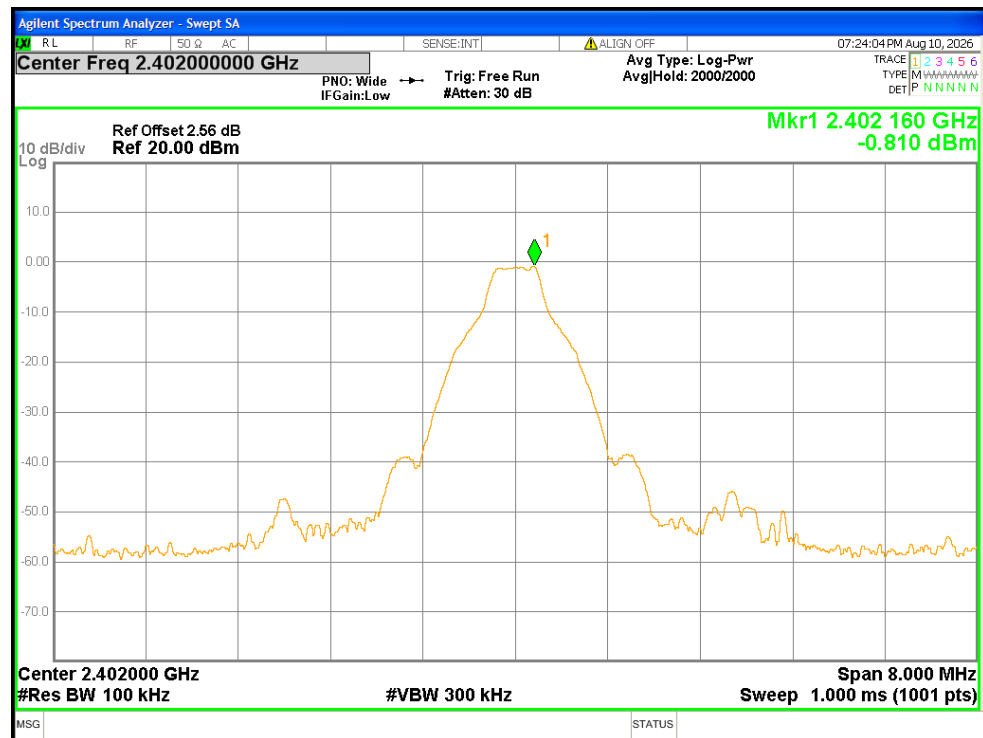


Band Edge

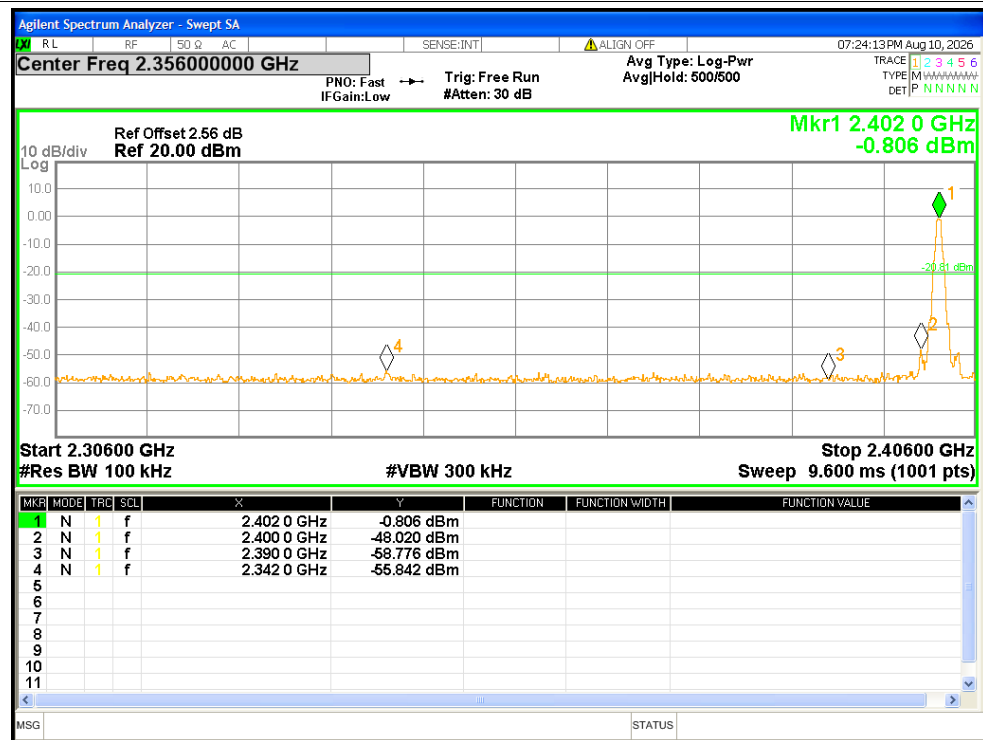
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-55.03	<=-20	Pass
1-DH5	2480	No-Hopping	-52.66	<=-20	Pass
2-DH5	2402	No-Hopping	-53.64	<=-20	Pass
2-DH5	2480	No-Hopping	-53.69	<=-20	Pass
3-DH5	2402	No-Hopping	-53.51	<=-20	Pass
3-DH5	2480	No-Hopping	-51.64	<=-20	Pass

Test Graphs

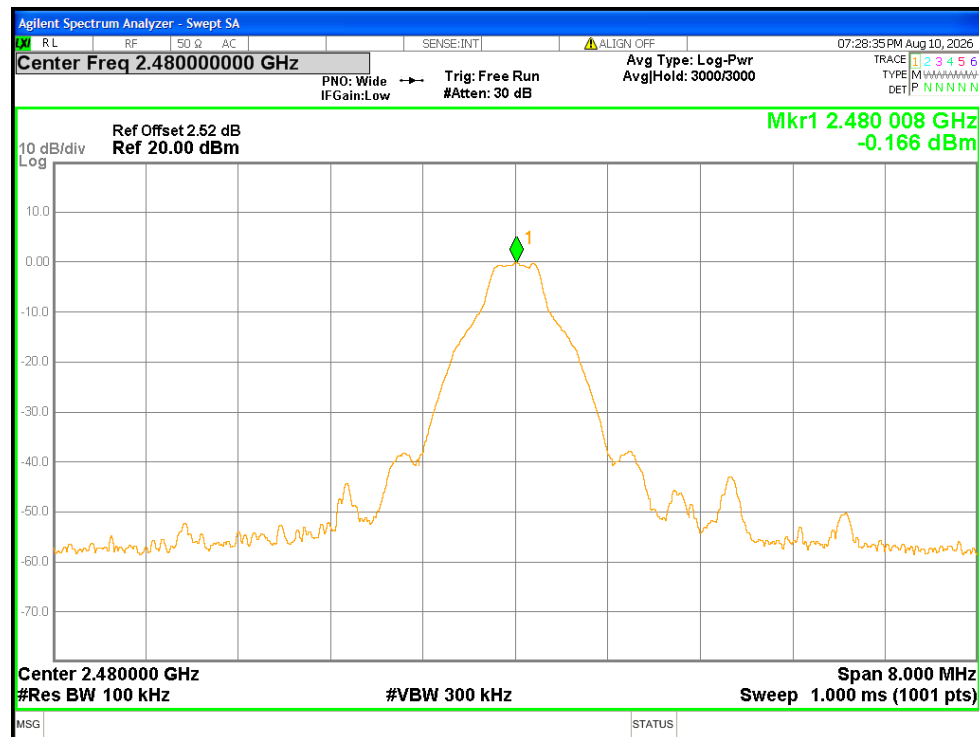
Band Edge NVNT 1-DH5 2402MHz No-Hopping Ref



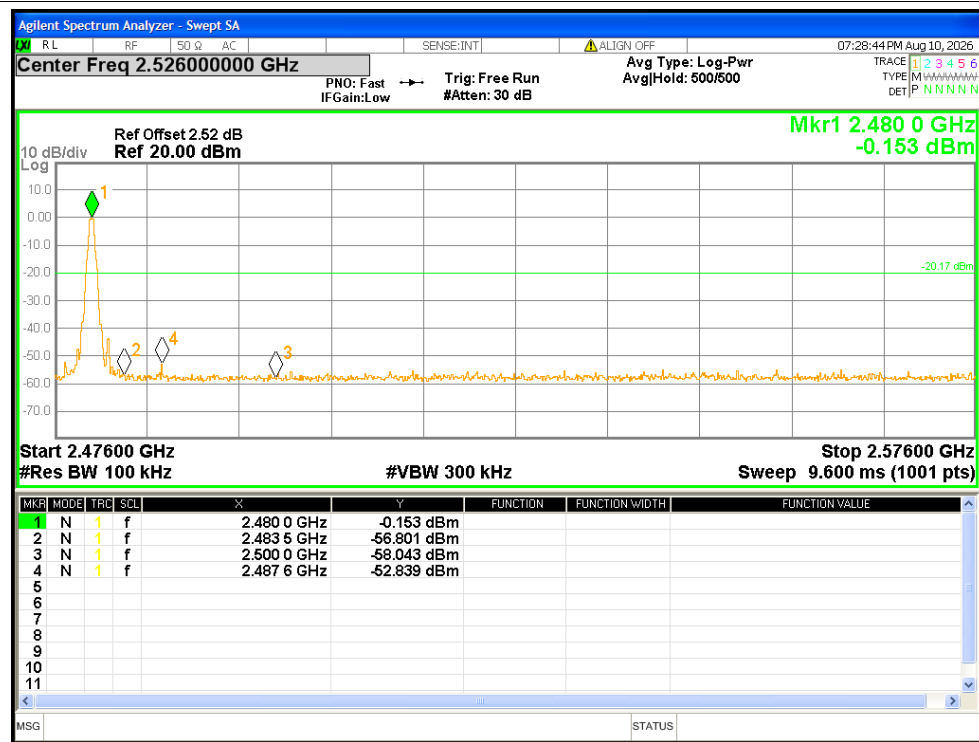
Band Edge NVNT 1-DH5 2402MHz No-Hopping Emission



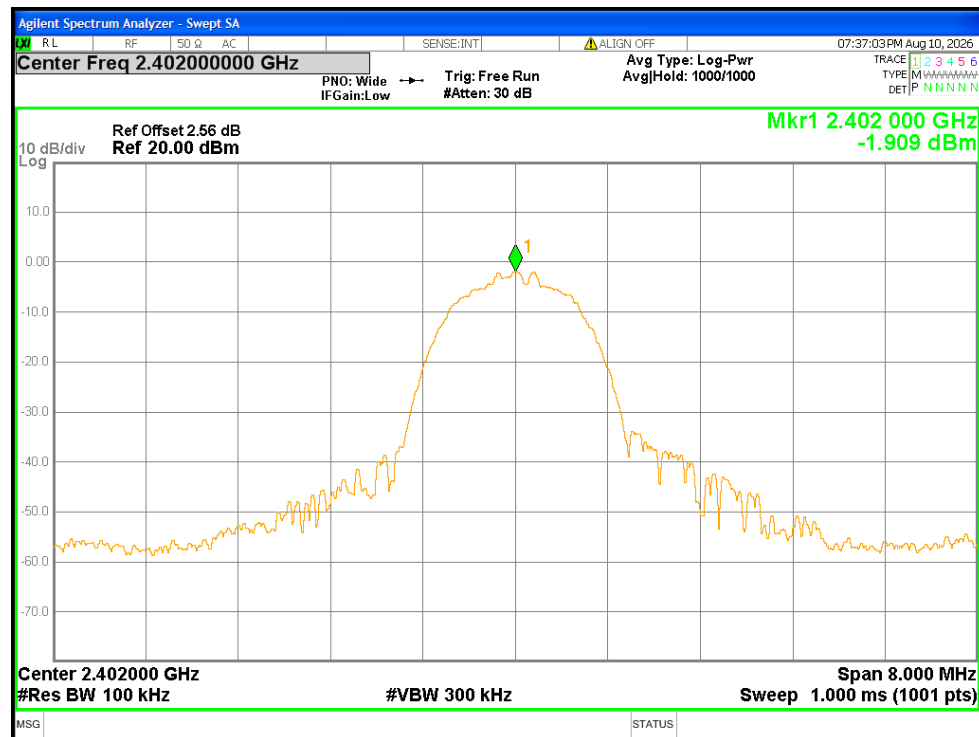
Band Edge NVNT 1-DH5 2480MHz No-Hopping Ref



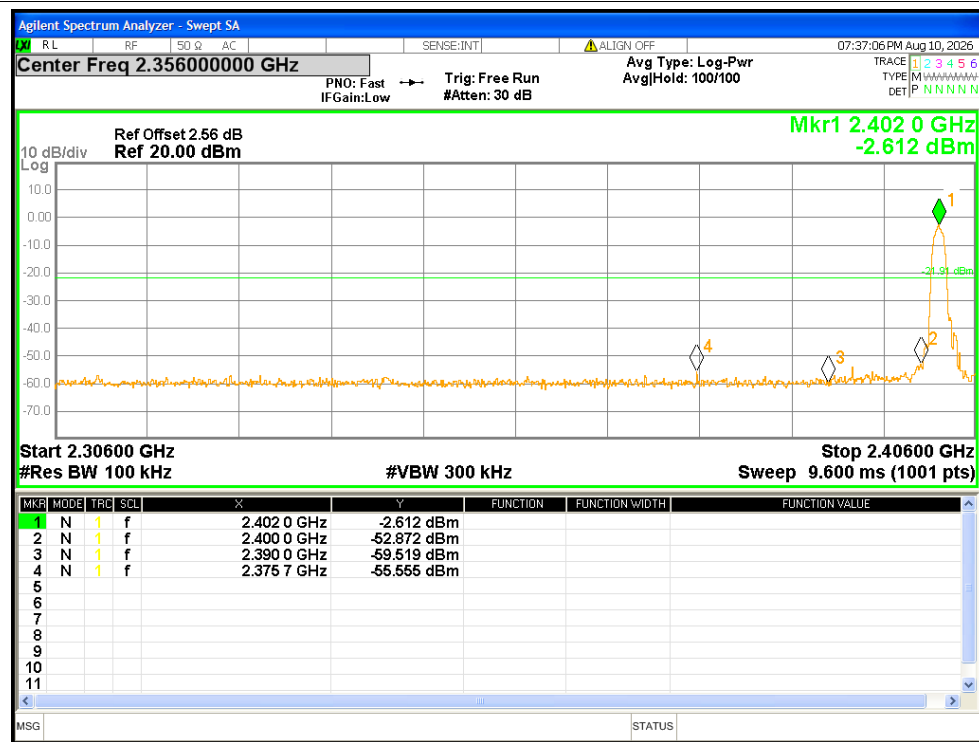
Band Edge NVNT 1-DH5 2480MHz No-Hopping Emission



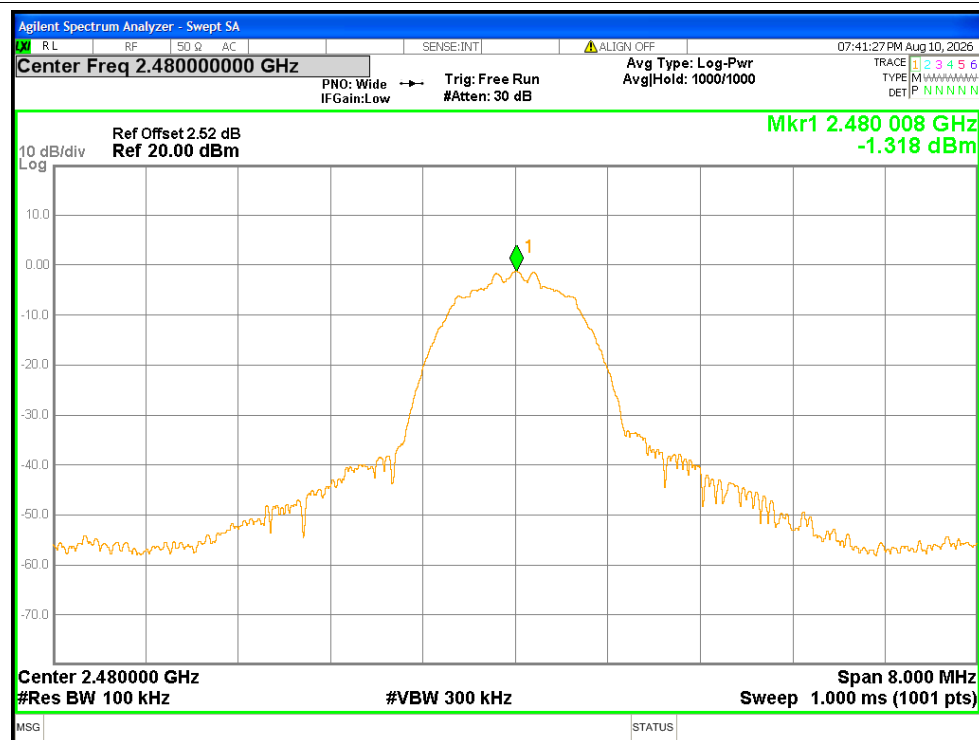
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



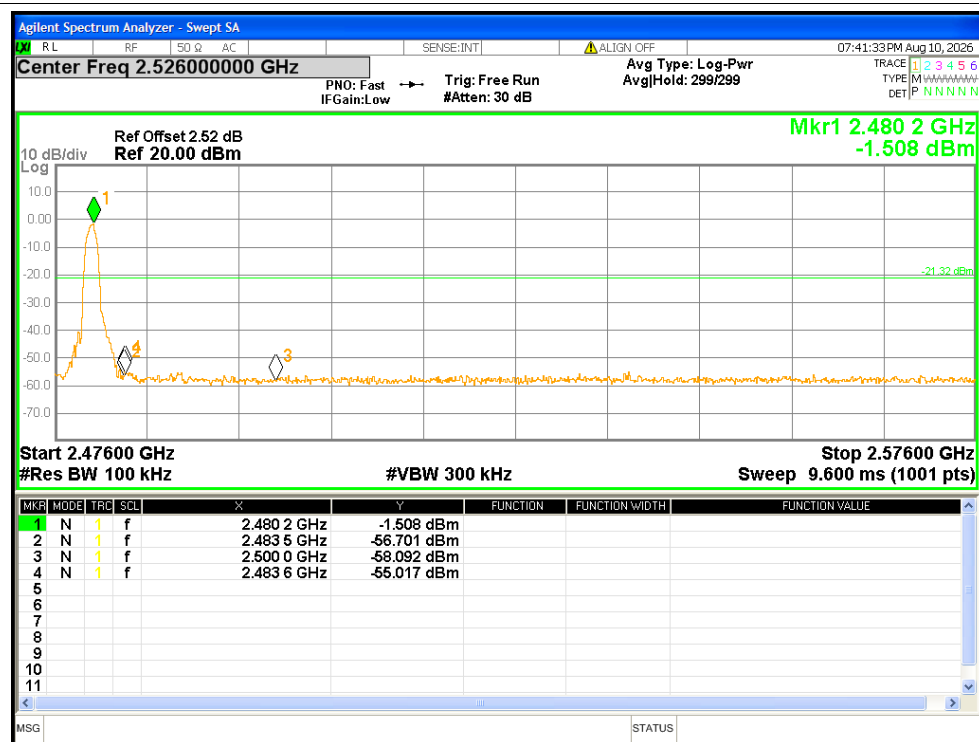
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



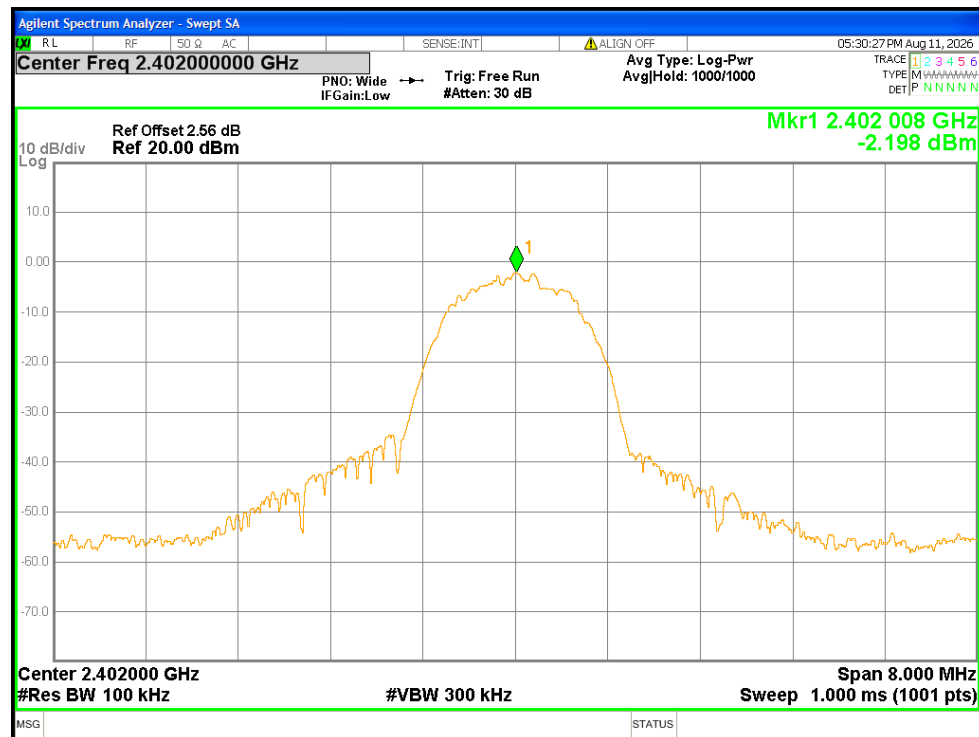
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



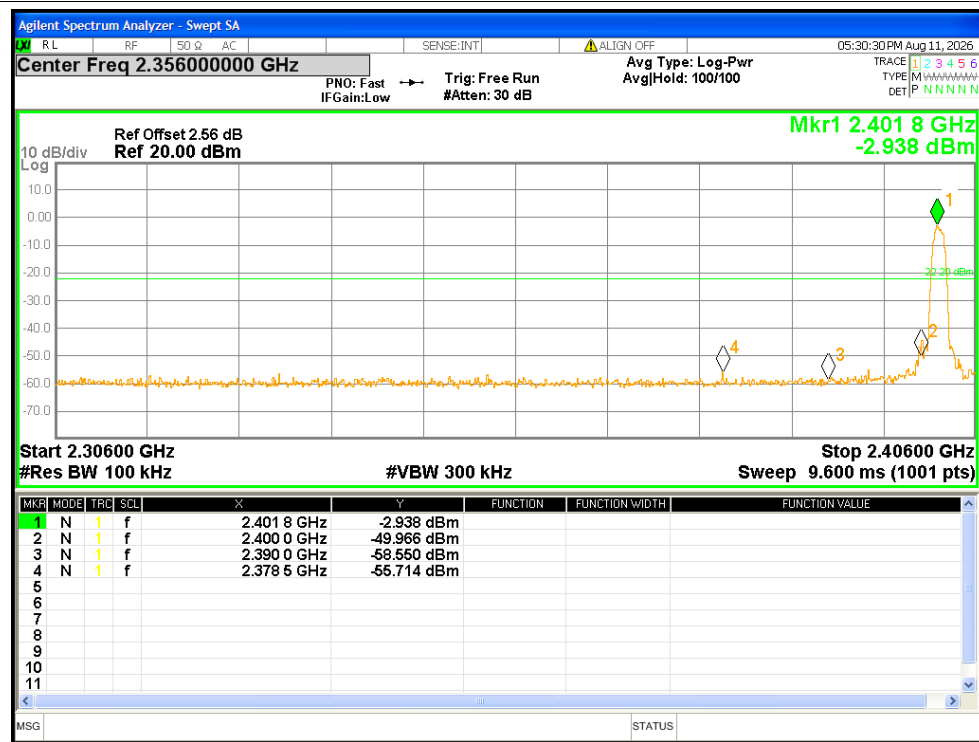
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



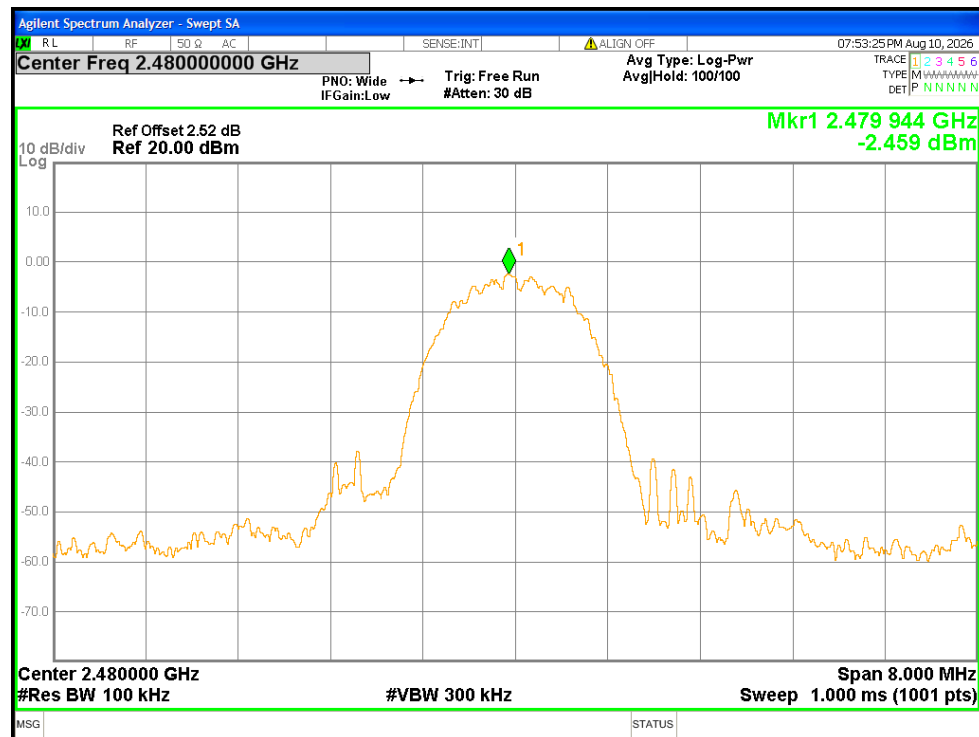
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



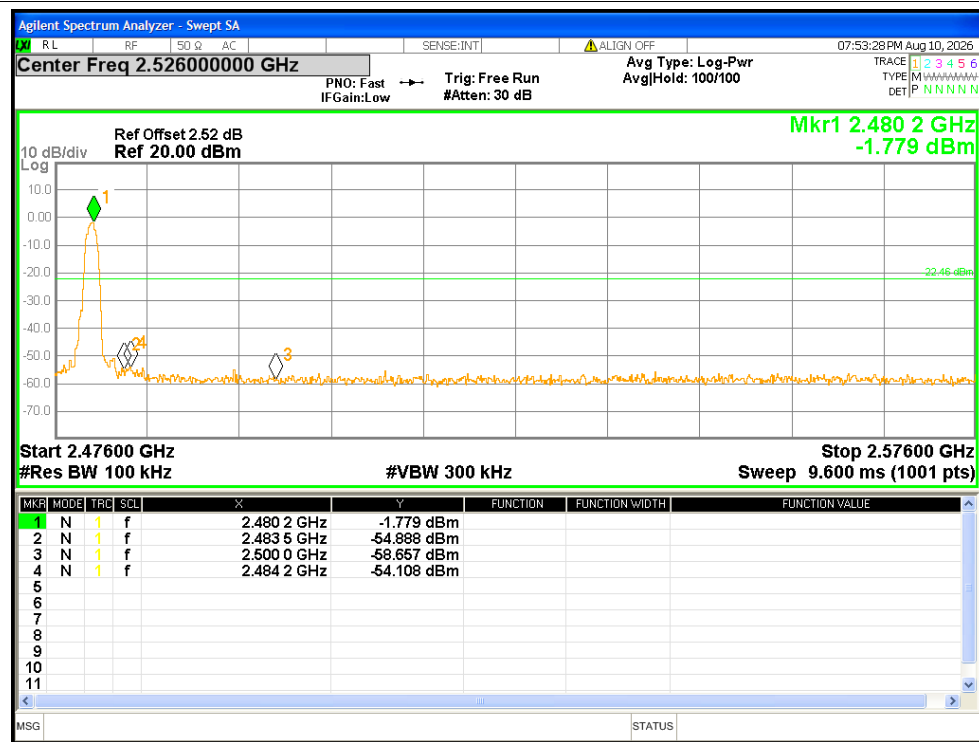
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz No-Hopping Emission

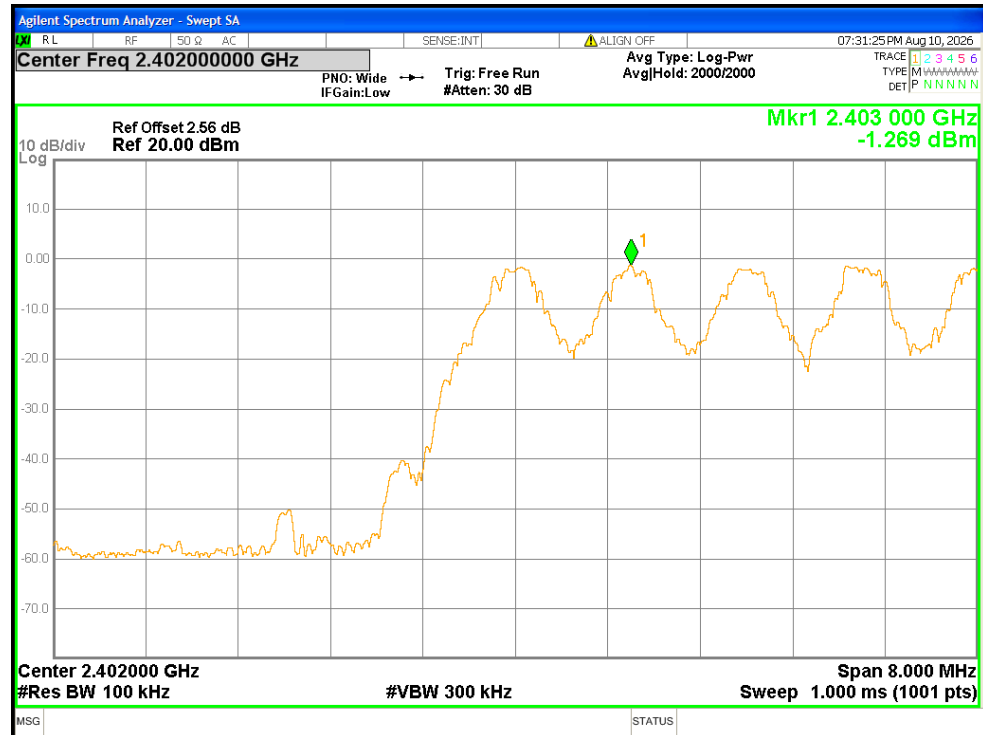


Band Edge(Hopping)

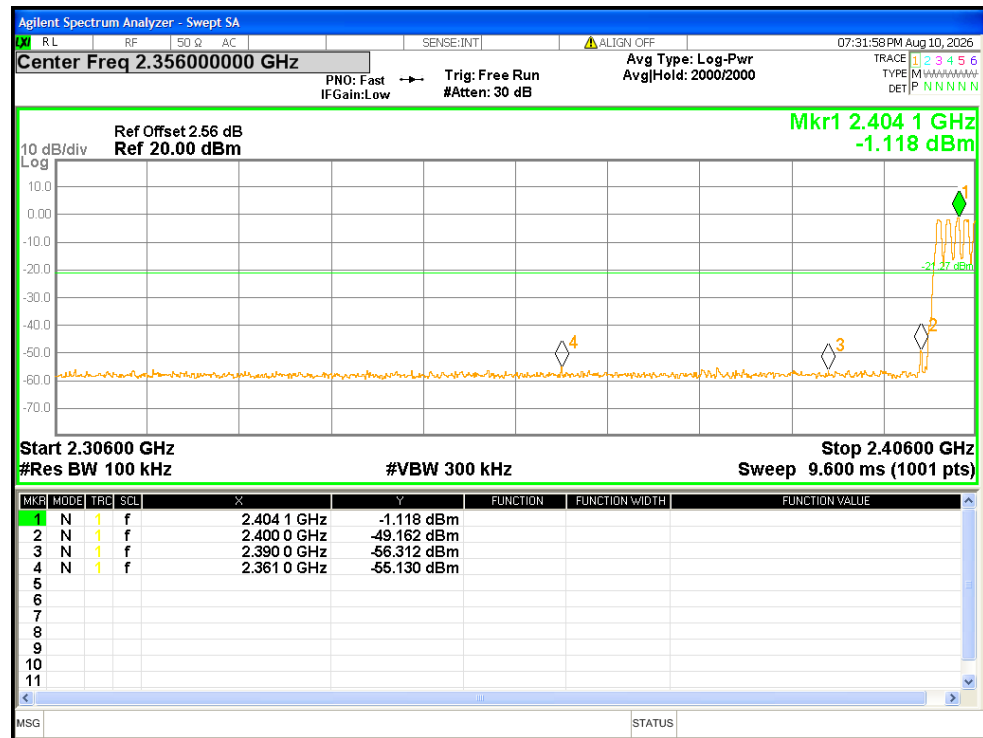
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	Hopping	-53.85	<=-20	Pass
1-DH5	2480	Hopping	-56.6	<=-20	Pass
2-DH5	2402	Hopping	-51.05	<=-20	Pass
2-DH5	2480	Hopping	-54.33	<=-20	Pass
3-DH5	2402	Hopping	-53.41	<=-20	Pass
3-DH5	2480	Hopping	-51.74	<=-20	Pass

Test Graphs

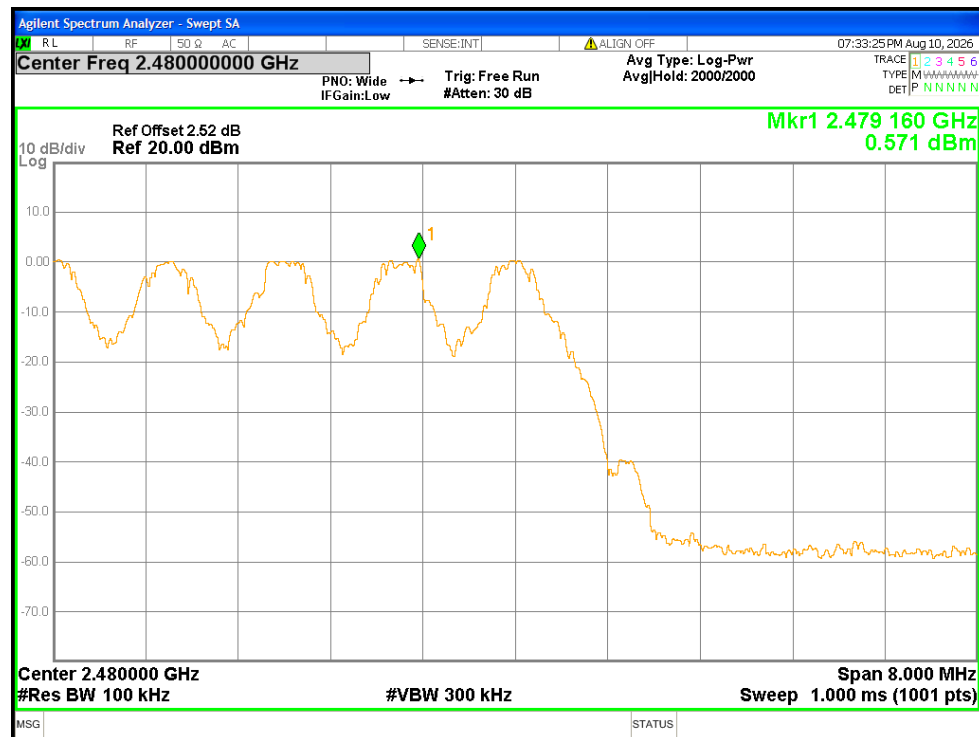
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



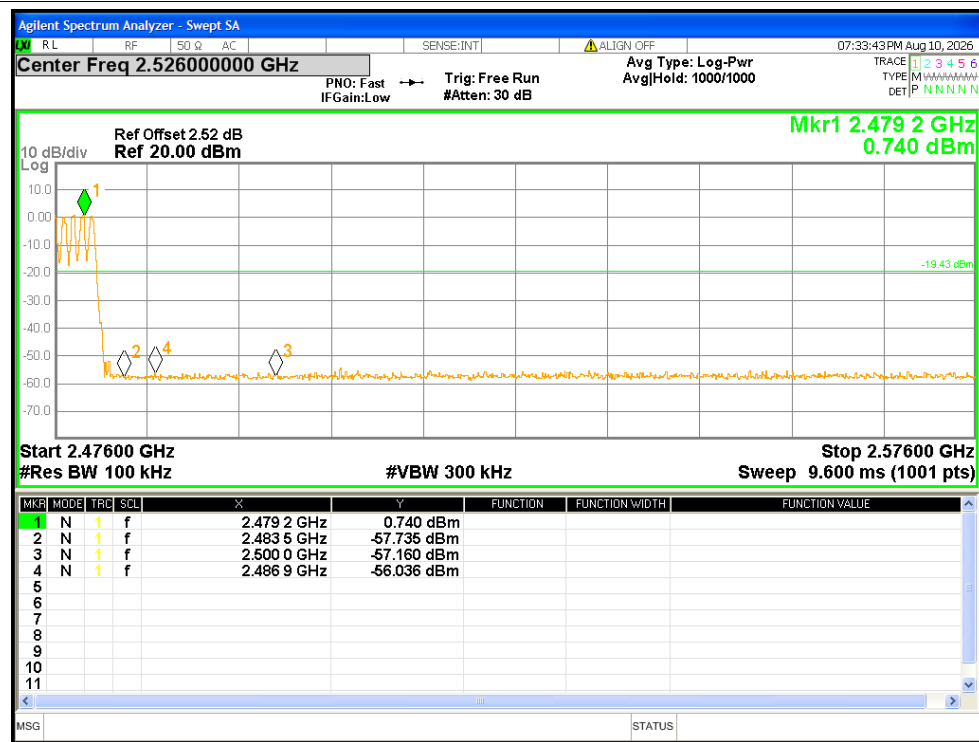
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



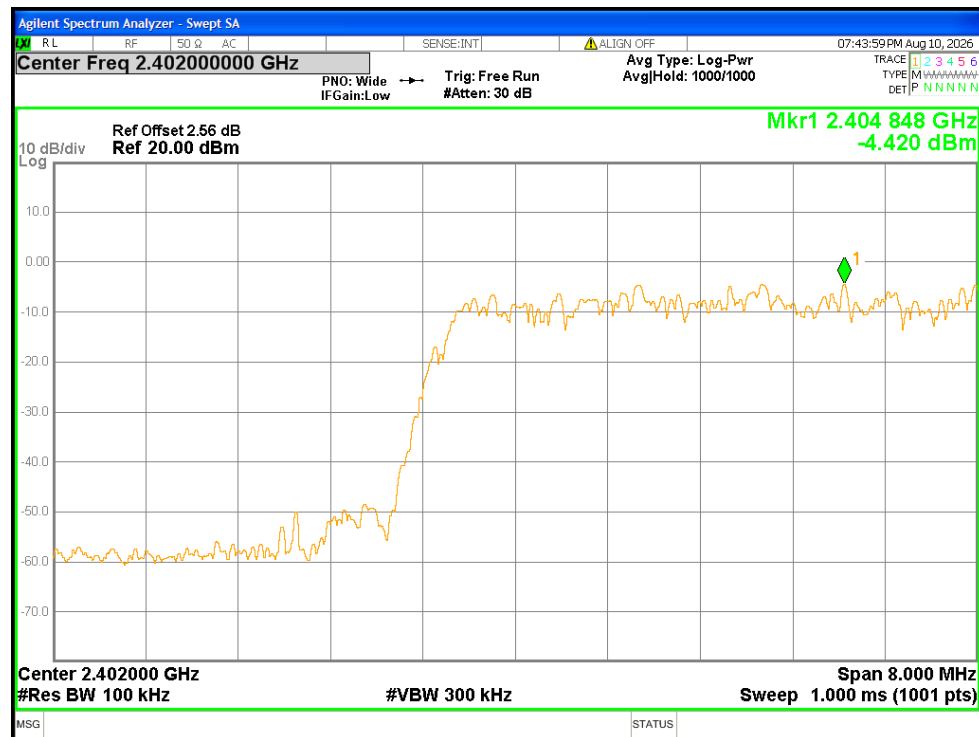
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



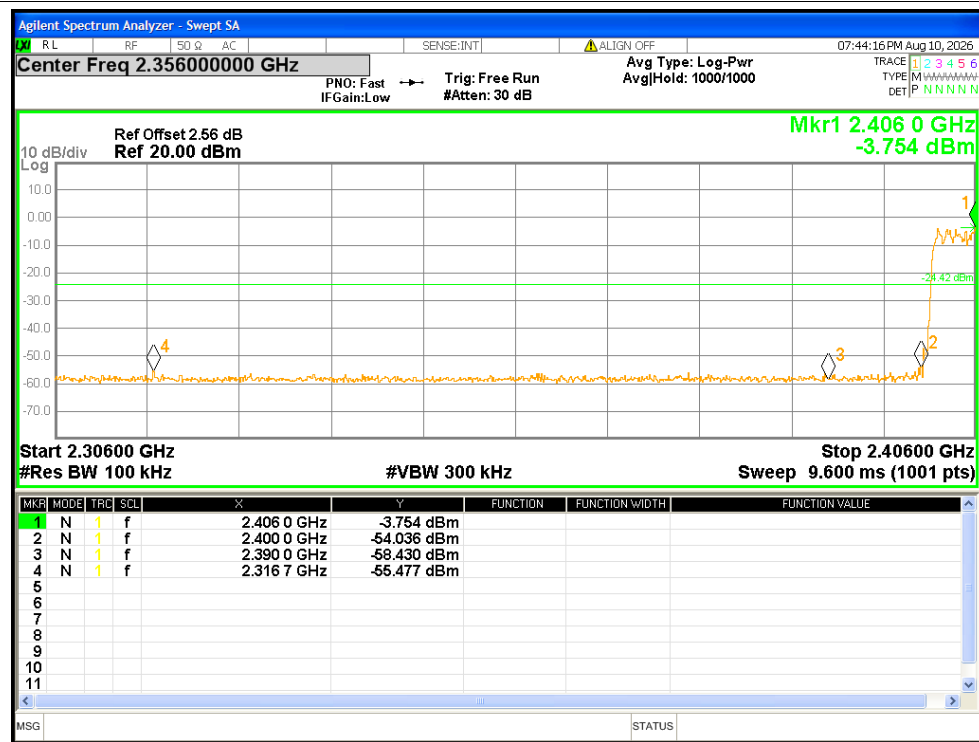
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



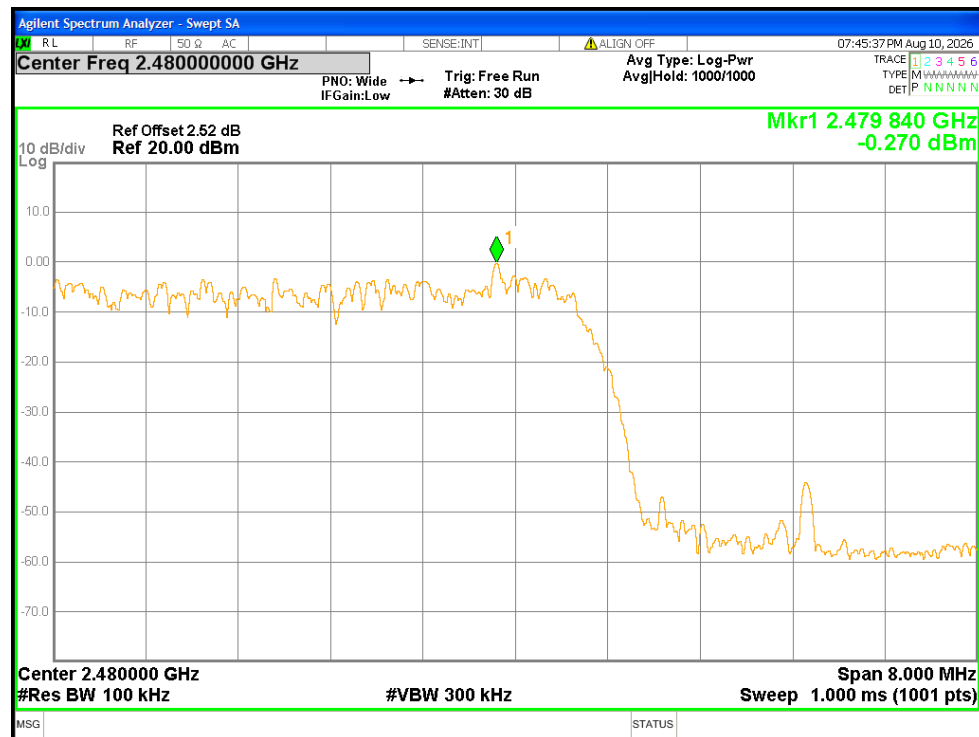
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



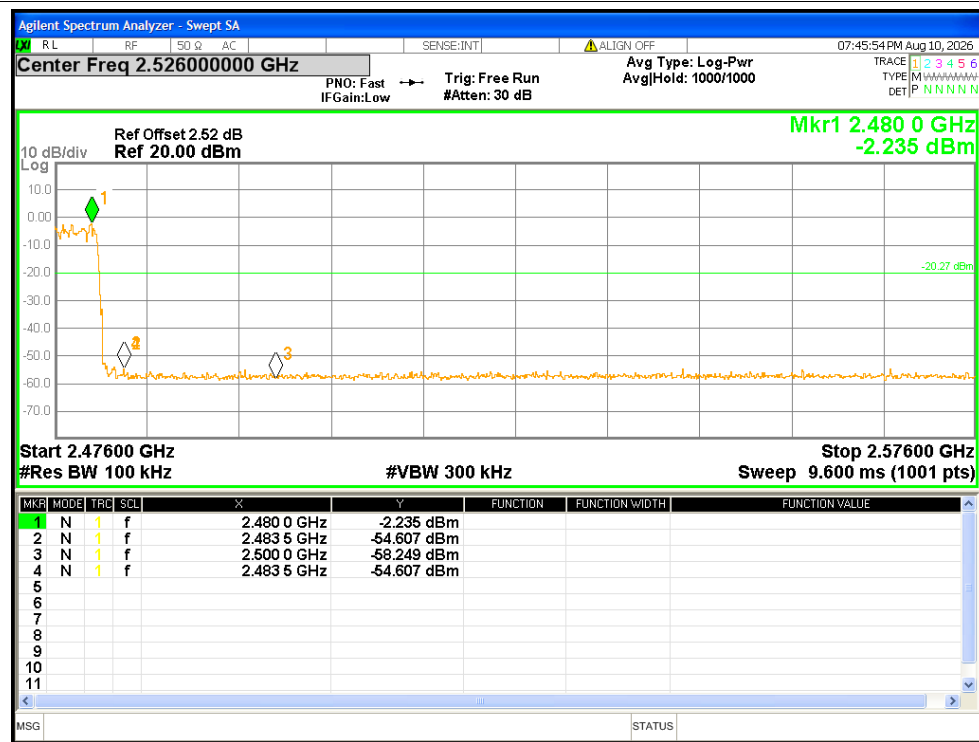
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



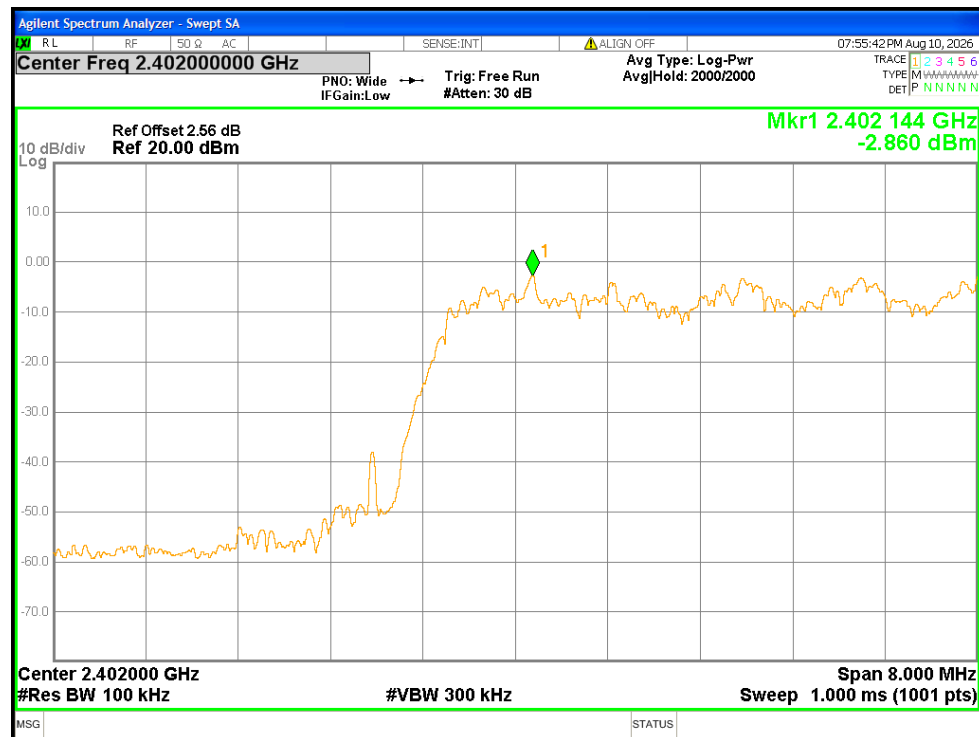
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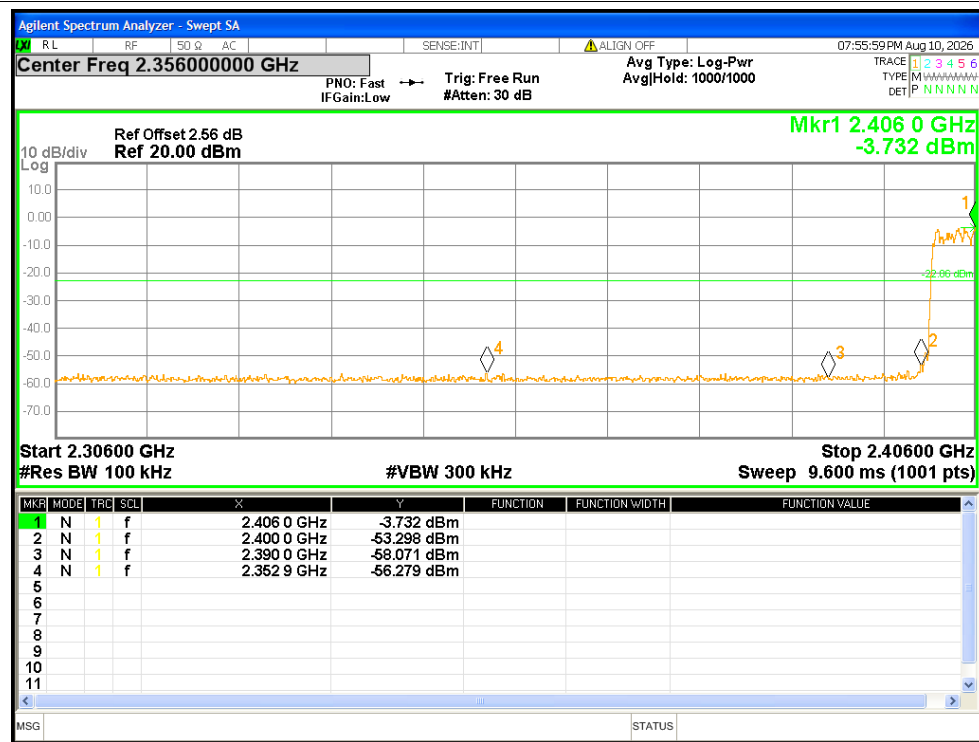
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



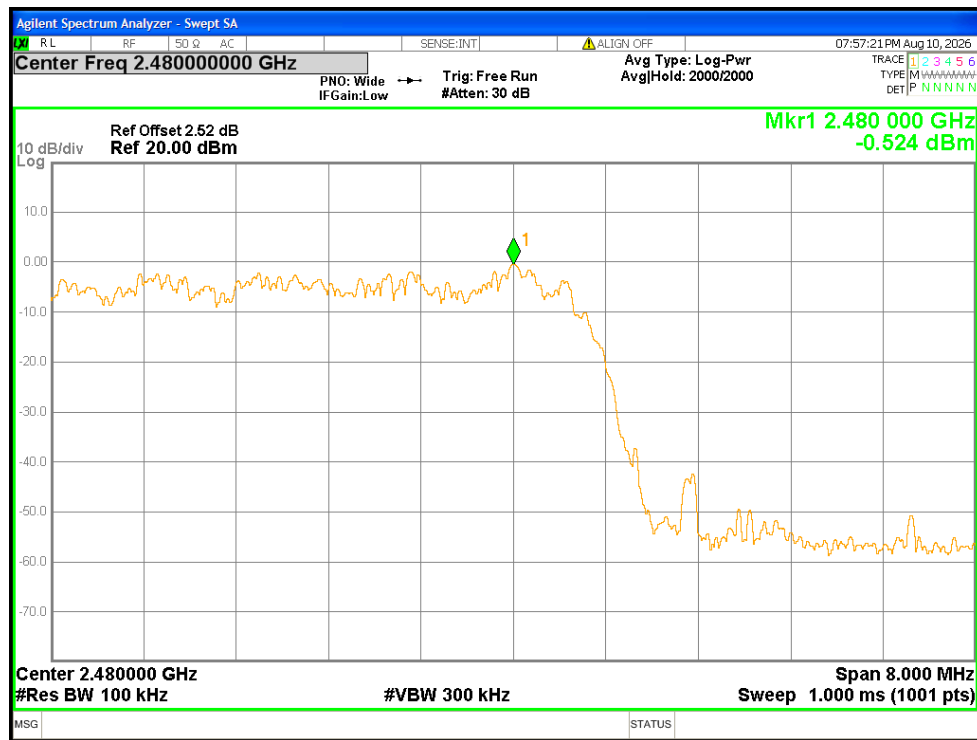
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Ref



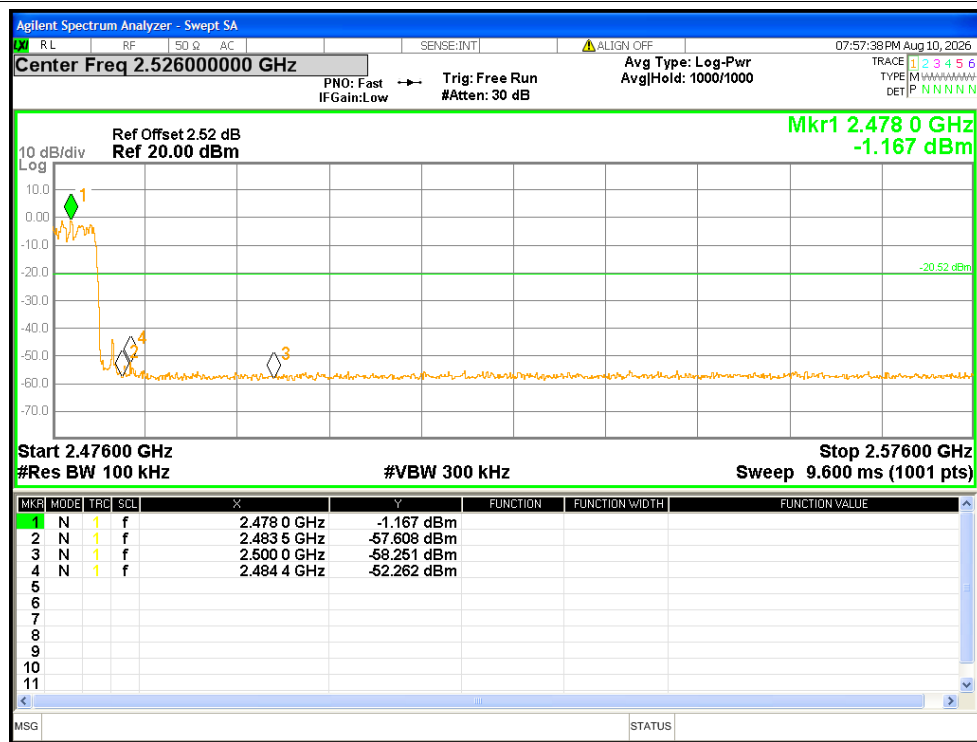
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Hopping Emission

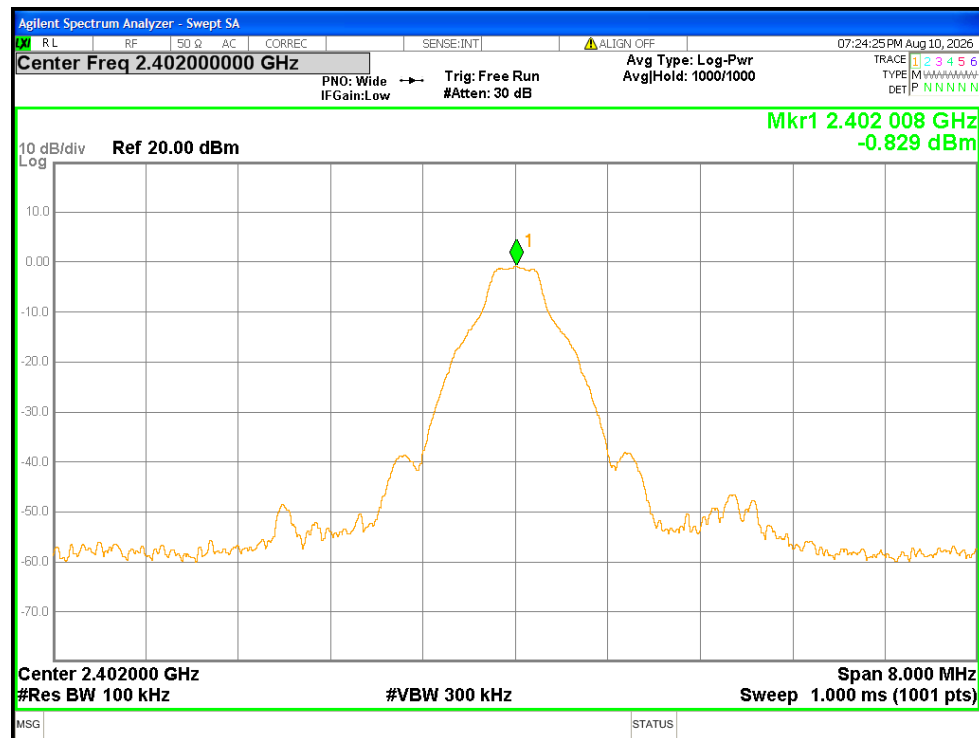


Conducted RF Spurious Emission

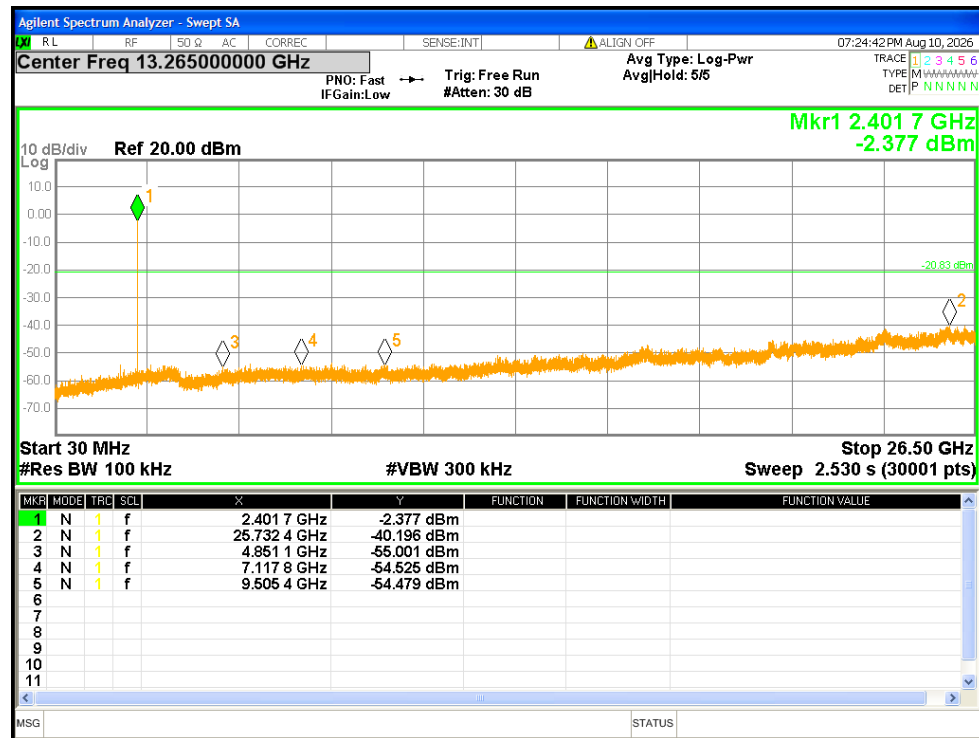
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-39.36	<=-20	Pass
1-DH5	2441	-39.45	<=-20	Pass
1-DH5	2480	-39.69	<=-20	Pass
2-DH5	2402	-37.65	<=-20	Pass
2-DH5	2441	-37.83	<=-20	Pass
2-DH5	2480	-38.32	<=-20	Pass
3-DH5	2402	-37.02	<=-20	Pass
3-DH5	2441	-37.38	<=-20	Pass
3-DH5	2480	-36.35	<=-20	Pass

Test Graphs

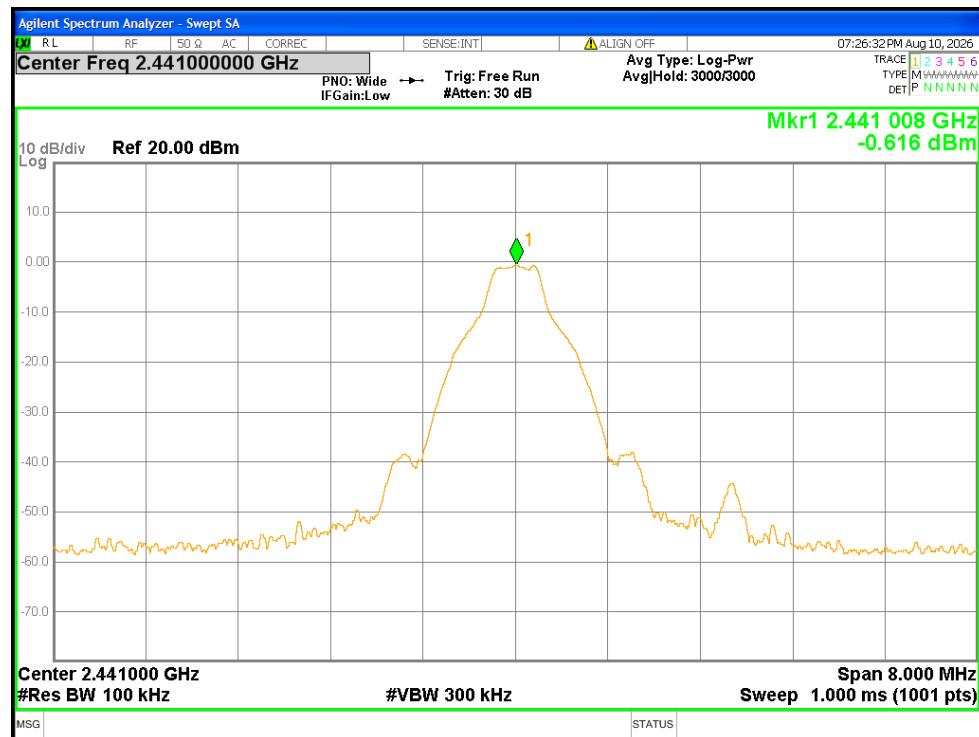
Tx. Spurious NVNT 1-DH5 2402MHz Ref



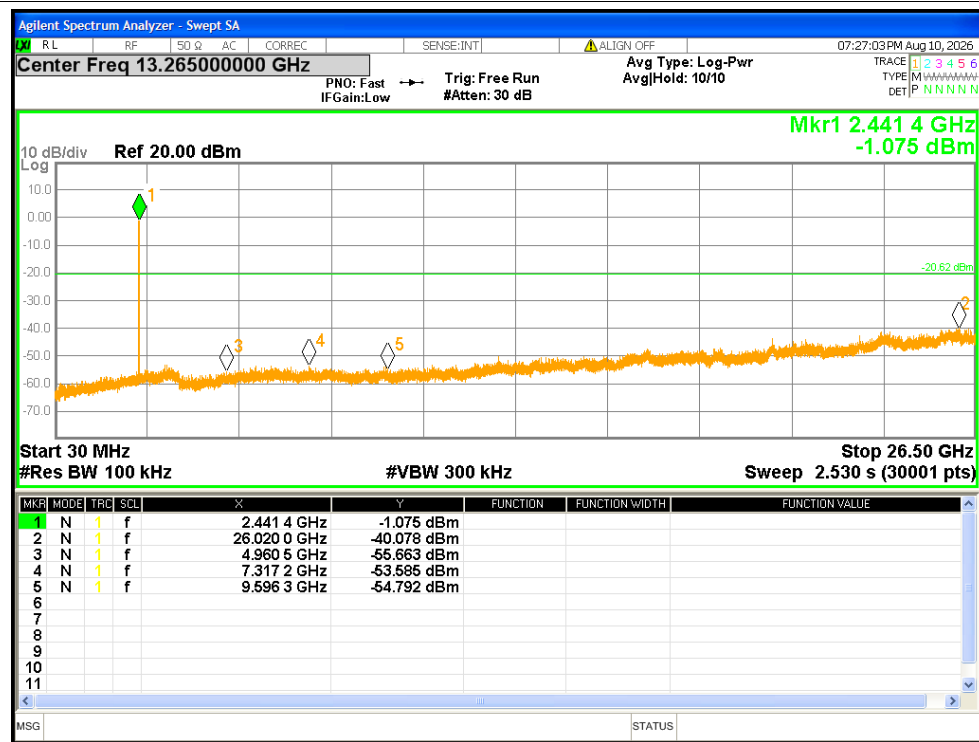
Tx. Spurious NVNT 1-DH5 2402MHz Emission



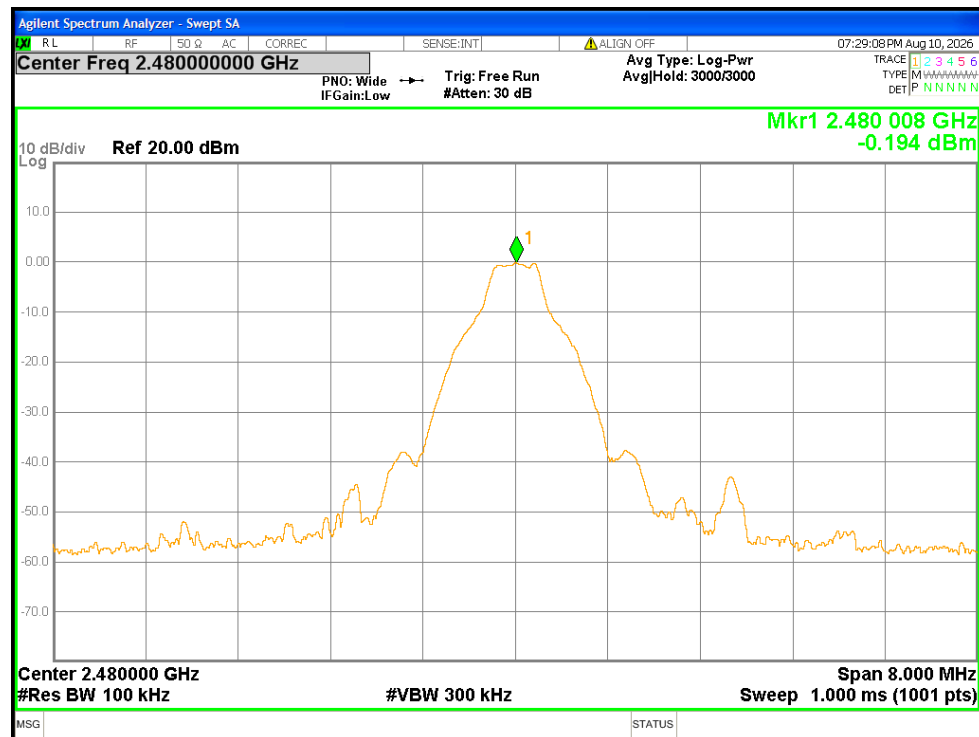
Tx. Spurious NVNT 1-DH5 2441MHz Ref



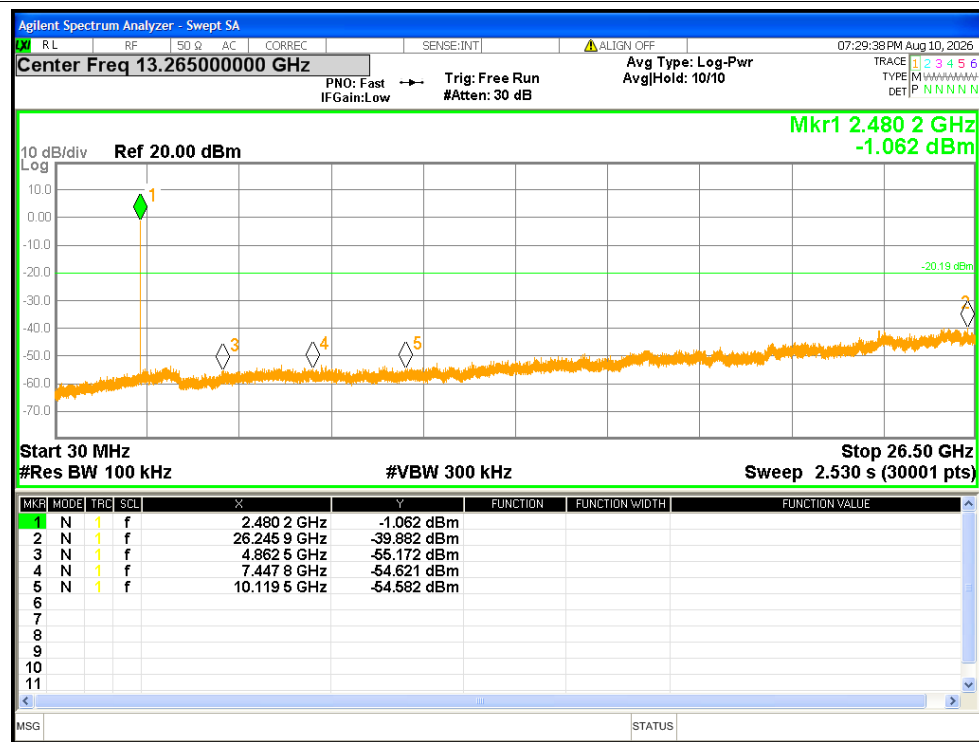
Tx. Spurious NVNT 1-DH5 2441MHz Emission



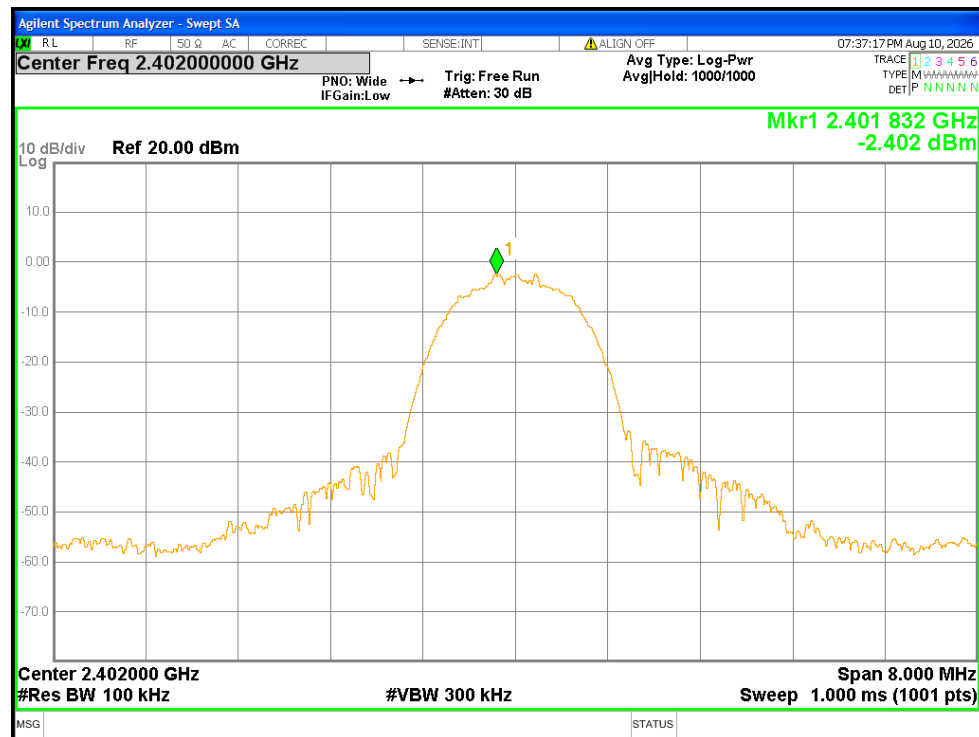
Tx. Spurious NVNT 1-DH5 2480MHz Ref



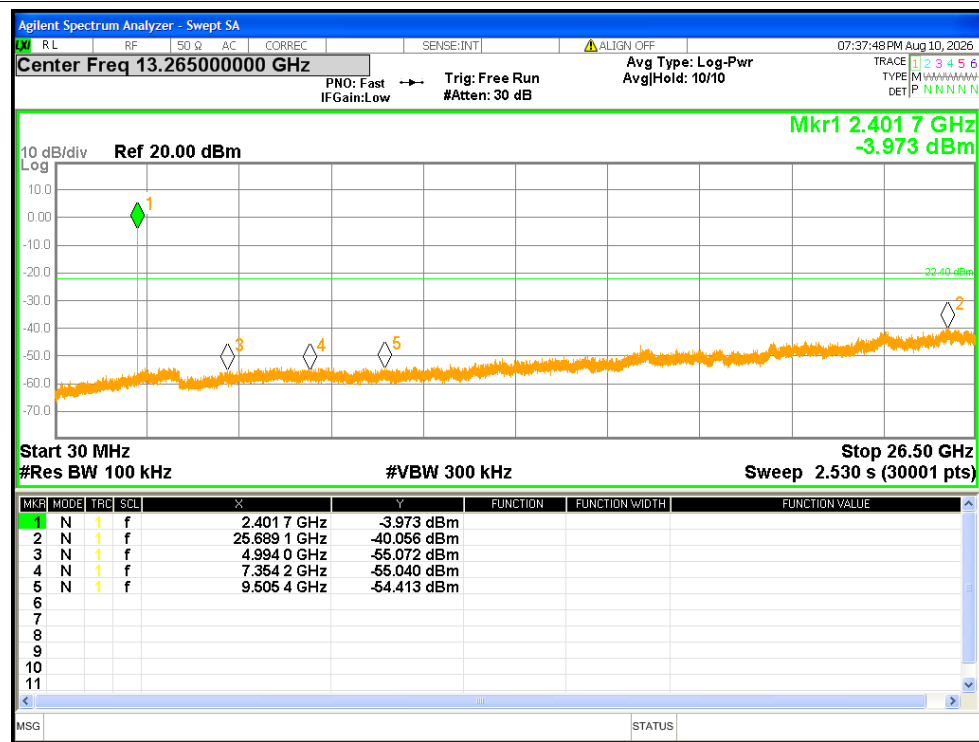
Tx. Spurious NVNT 1-DH5 2480MHz Emission



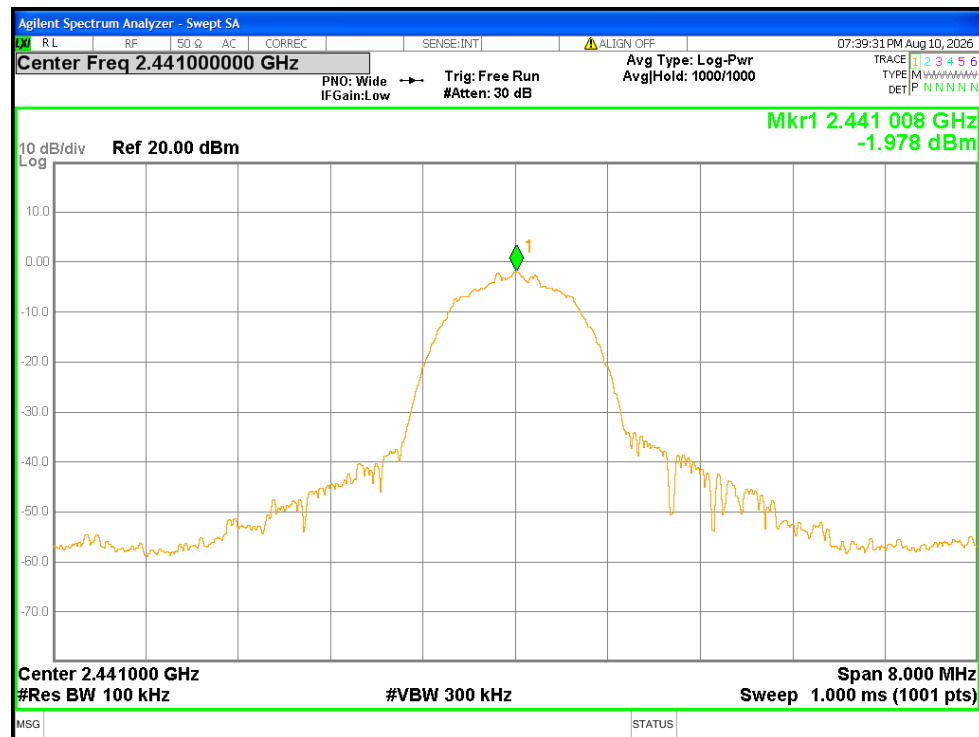
Tx. Spurious NVNT 2-DH5 2402MHz Ref



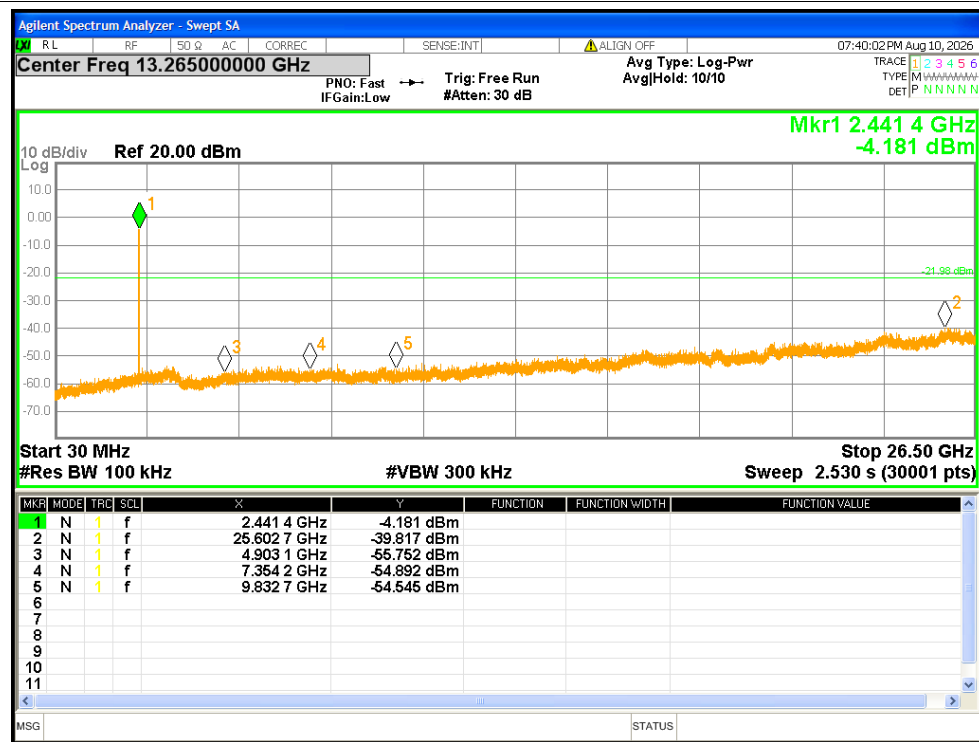
Tx. Spurious NVNT 2-DH5 2402MHz Emission



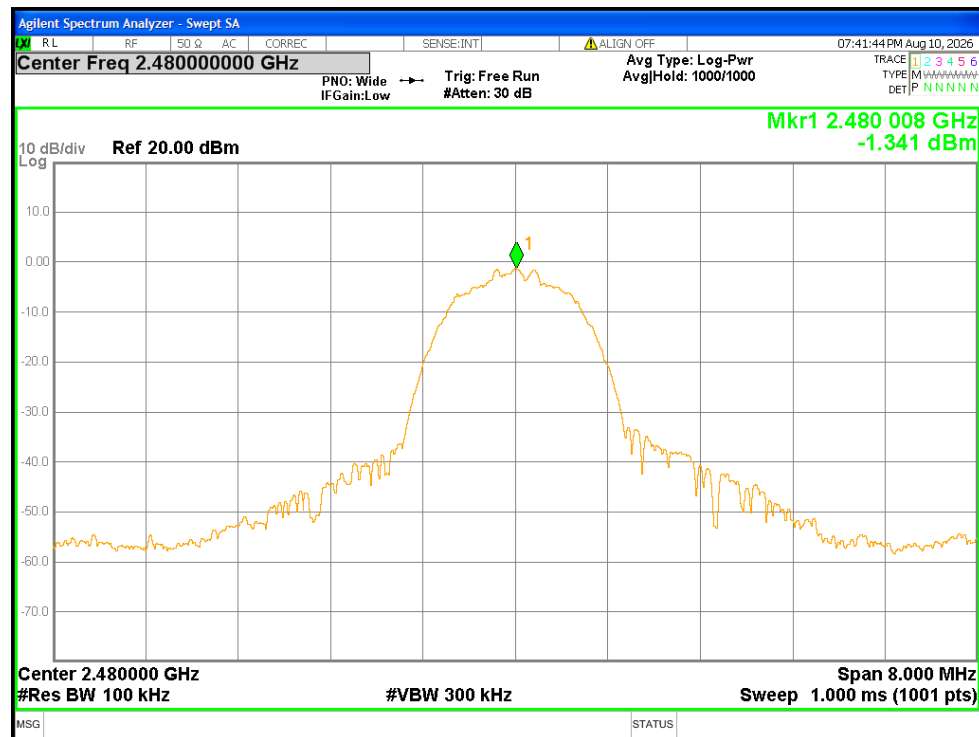
Tx. Spurious NVNT 2-DH5 2441MHz Ref



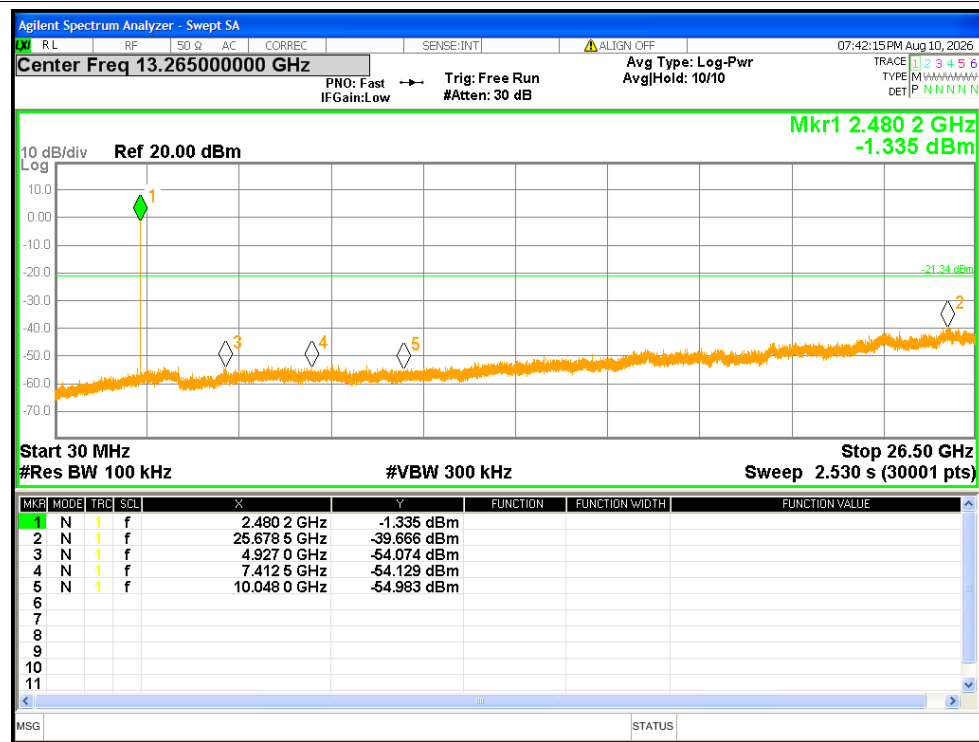
Tx. Spurious NVNT 2-DH5 2441MHz Emission



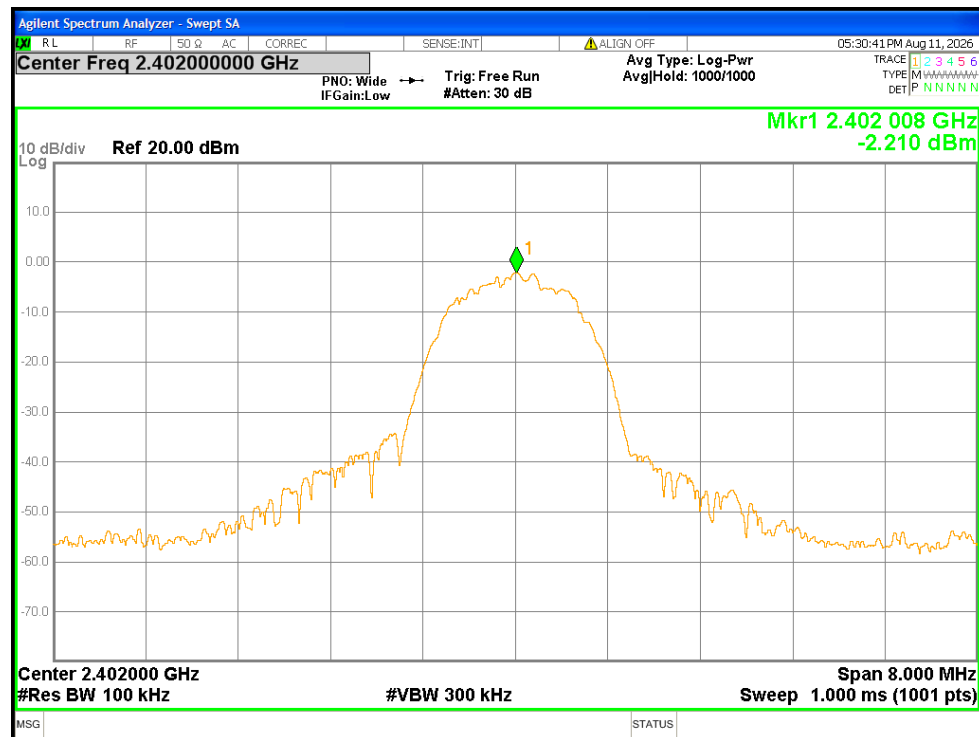
Tx. Spurious NVNT 2-DH5 2480MHz Ref



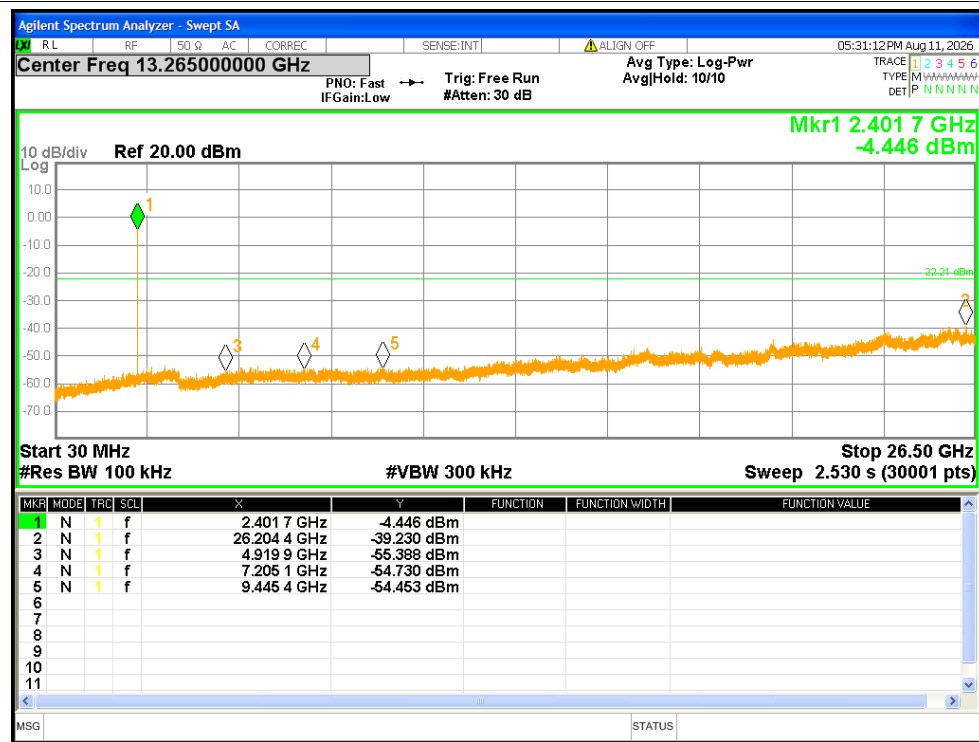
Tx. Spurious NVNT 2-DH5 2480MHz Emission



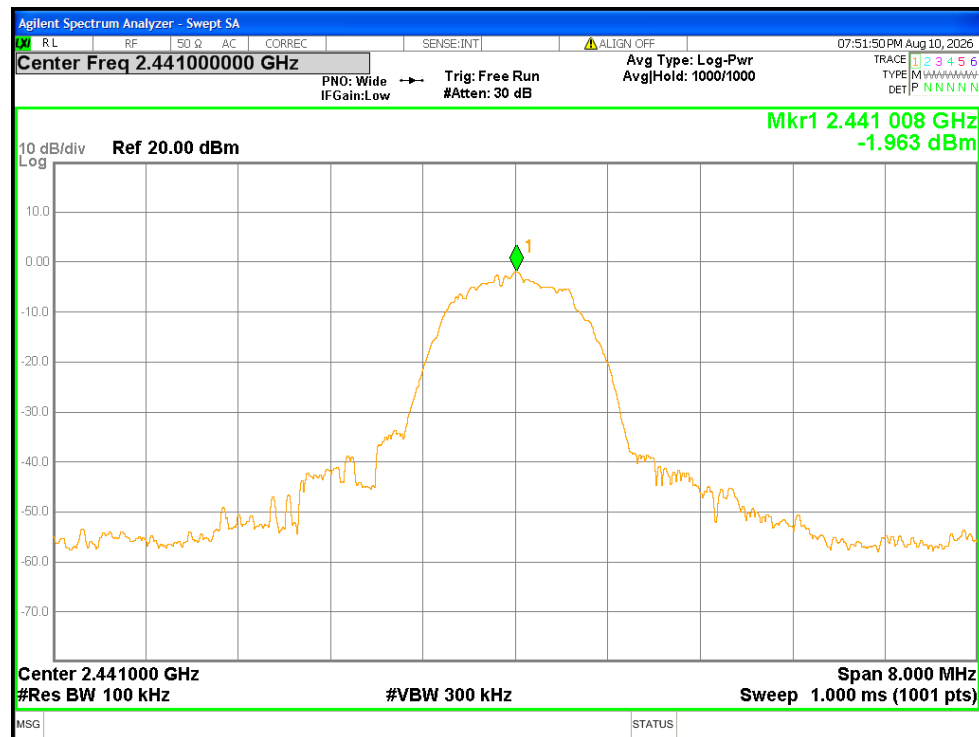
Tx. Spurious NVNT 3-DH5 2402MHz Ref



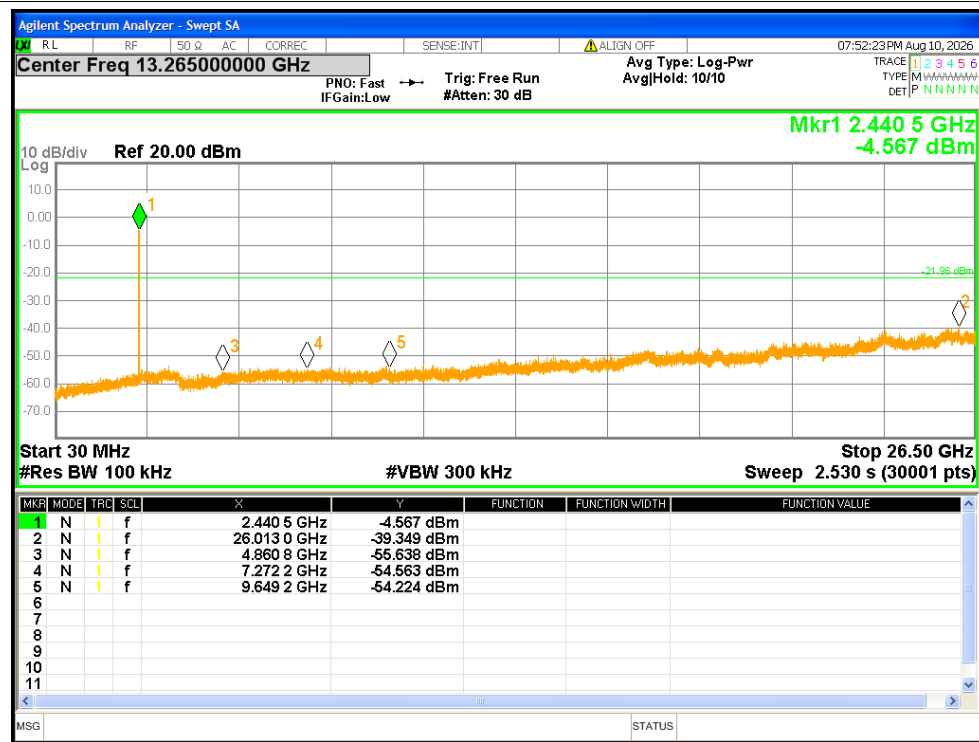
Tx. Spurious NVNT 3-DH5 2402MHz Emission



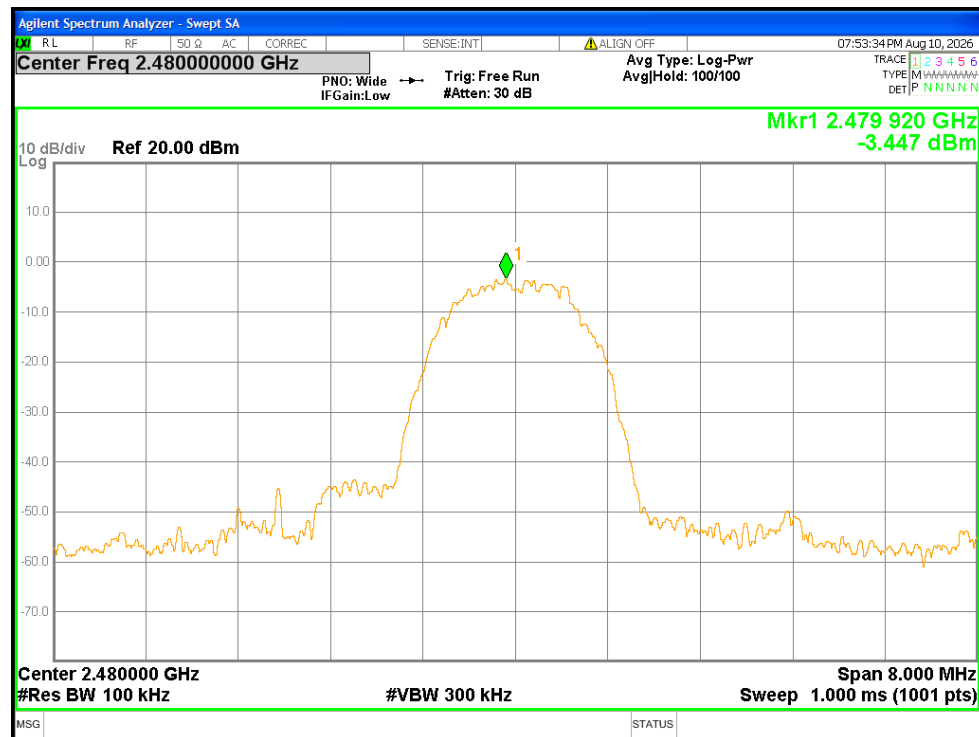
Tx. Spurious NVNT 3-DH5 2441MHz Ref



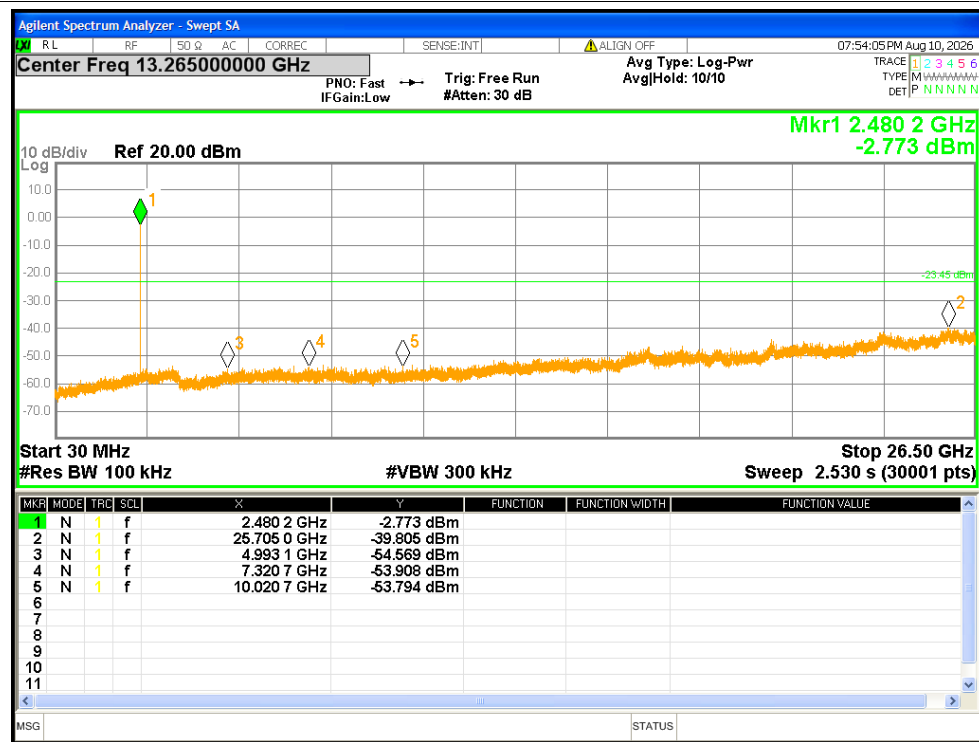
Tx. Spurious NVNT 3-DH5 2441MHz Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ref



Tx. Spurious NVNT 3-DH5 2480MHz Emission

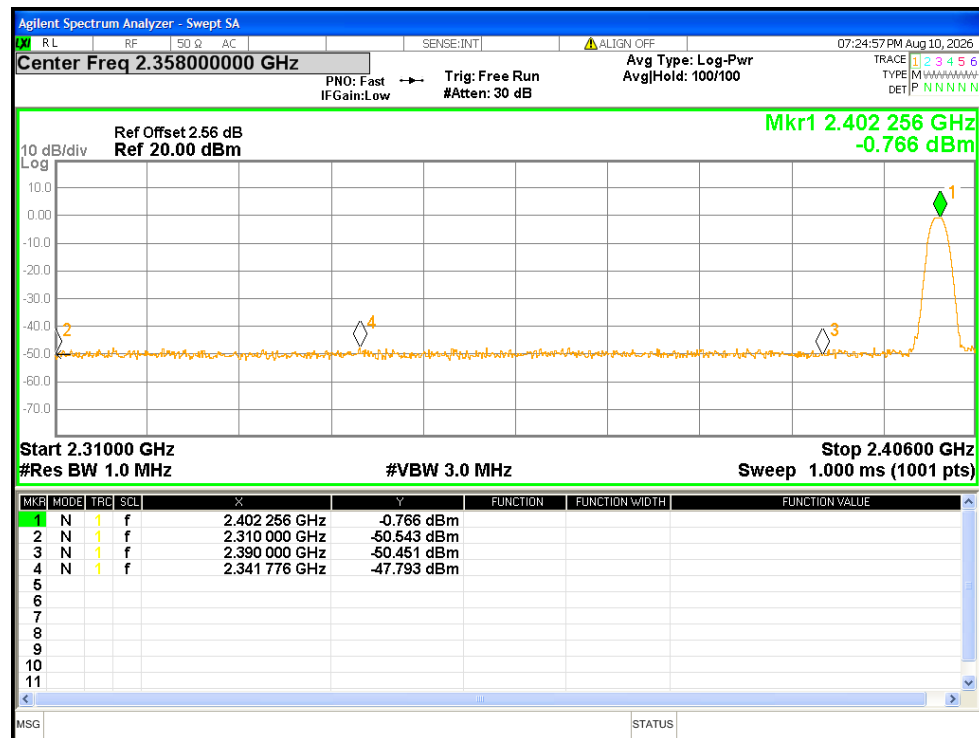


Restrict Band

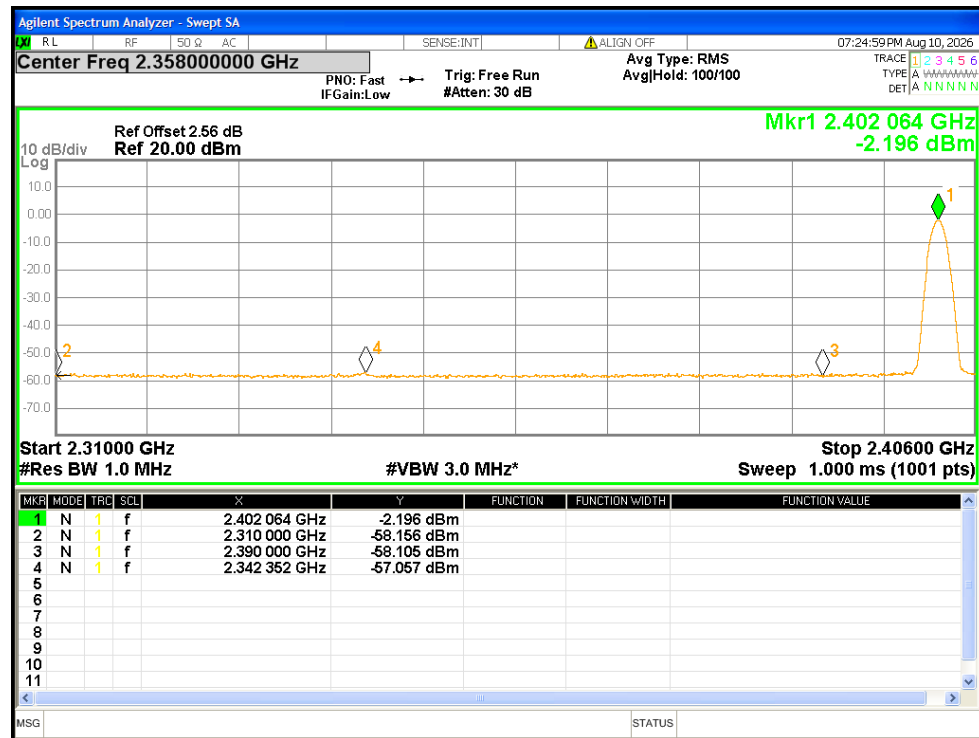
Mode	Frequency (MHz)	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
1-DH5	2402	No-Hopping	2310	-50.54	2	0	46.72	Peak	<=74	Pass
1-DH5	2402	No-Hopping	2310	-58.15	2	1.14	40.25	Average	<=54	Pass
1-DH5	2402	No-Hopping	2341.776	-47.79	2	0	49.47	Peak	<=74	Pass
1-DH5	2402	No-Hopping	2342.352	-57.05	2	1.14	41.35	Average	<=54	Pass
1-DH5	2402	No-Hopping	2390	-49.57	2	0	47.69	Peak	<=74	Pass
1-DH5	2402	No-Hopping	2390	-58.6	2	1.14	39.8	Average	<=54	Pass
1-DH5	2480	No-Hopping	2483.5	-49.94	2	0	47.32	Peak	<=74	Pass
1-DH5	2480	No-Hopping	2483.5	-56.57	2	1.14	41.83	Average	<=54	Pass
1-DH5	2480	No-Hopping	2487.328	-41.73	2	0	55.53	Peak	<=74	Pass
1-DH5	2480	No-Hopping	2498.728	-56.28	2	1.14	42.12	Average	<=54	Pass
1-DH5	2480	No-Hopping	2500	-50.16	2	0	47.1	Peak	<=74	Pass
1-DH5	2480	No-Hopping	2500	-57.21	2	1.14	41.19	Average	<=54	Pass
2-DH5	2402	No-Hopping	2310	-50.3	2	0	46.96	Peak	<=74	Pass
2-DH5	2402	No-Hopping	2310	-58.27	2	1.13	40.12	Average	<=54	Pass
2-DH5	2402	No-Hopping	2342.832	-46.45	2	0	50.81	Peak	<=74	Pass
2-DH5	2402	No-Hopping	2341.68	-57.21	2	1.13	41.18	Average	<=54	Pass
2-DH5	2402	No-Hopping	2390	-48.92	2	0	48.34	Peak	<=74	Pass
2-DH5	2402	No-Hopping	2390	-57.76	2	1.13	40.63	Average	<=54	Pass
2-DH5	2480	No-Hopping	2483.5	-47.08	2	0	50.18	Peak	<=74	Pass
2-DH5	2480	No-Hopping	2483.5	-55.09	2	1.13	43.3	Average	<=54	Pass
2-DH5	2480	No-Hopping	2499.088	-44.72	2	0	52.54	Peak	<=74	Pass
2-DH5	2480	No-Hopping	2483.728	-54.8	2	1.13	43.59	Average	<=54	Pass
2-DH5	2480	No-Hopping	2500	-48.88	2	0	48.38	Peak	<=74	Pass
2-DH5	2480	No-Hopping	2500	-57.01	2	1.13	41.38	Average	<=54	Pass
3-DH5	2402	No-Hopping	2310	-49.62	2	0	47.64	Peak	<=74	Pass
3-DH5	2402	No-Hopping	2310	-58.68	2	1.13	39.71	Average	<=54	Pass
3-DH5	2402	No-Hopping	2386.896	-46.26	2	0	51	Peak	<=74	Pass
3-DH5	2402	No-Hopping	2341.872	-57.06	2	1.13	41.33	Average	<=54	Pass
3-DH5	2402	No-Hopping	2390	-49.51	2	0	47.75	Peak	<=74	Pass
3-DH5	2402	No-Hopping	2390	-57.86	2	1.13	40.53	Average	<=54	Pass
3-DH5	2480	No-Hopping	2483.5	-44.14	2	0	53.12	Peak	<=74	Pass
3-DH5	2480	No-Hopping	2483.5	-54.95	2	1.13	43.44	Average	<=54	Pass
3-DH5	2480	No-Hopping	2483.68	-42.99	2	0	54.27	Peak	<=74	Pass
3-DH5	2480	No-Hopping	2484.064	-54.37	2	1.13	44.02	Average	<=54	Pass
3-DH5	2480	No-Hopping	2500	-49.55	2	0	47.71	Peak	<=74	Pass
3-DH5	2480	No-Hopping	2500	-57.3	2	1.13	41.09	Average	<=54	Pass

Test Graphs

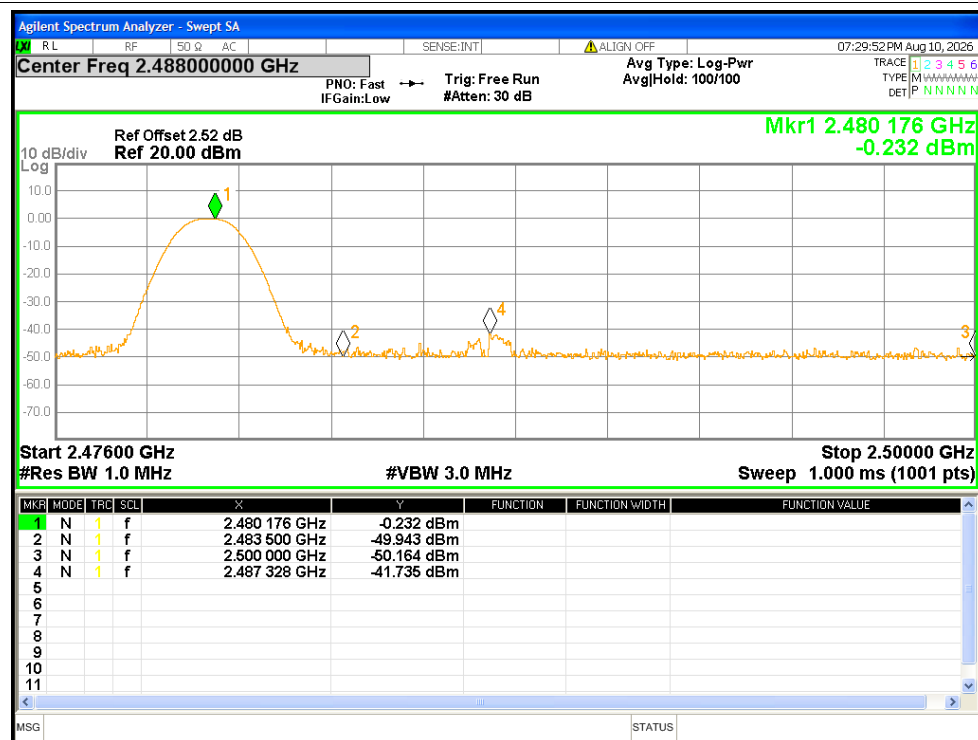
Restrict Band NVNT 1-DH5 2402MHz No-Hopping Peak



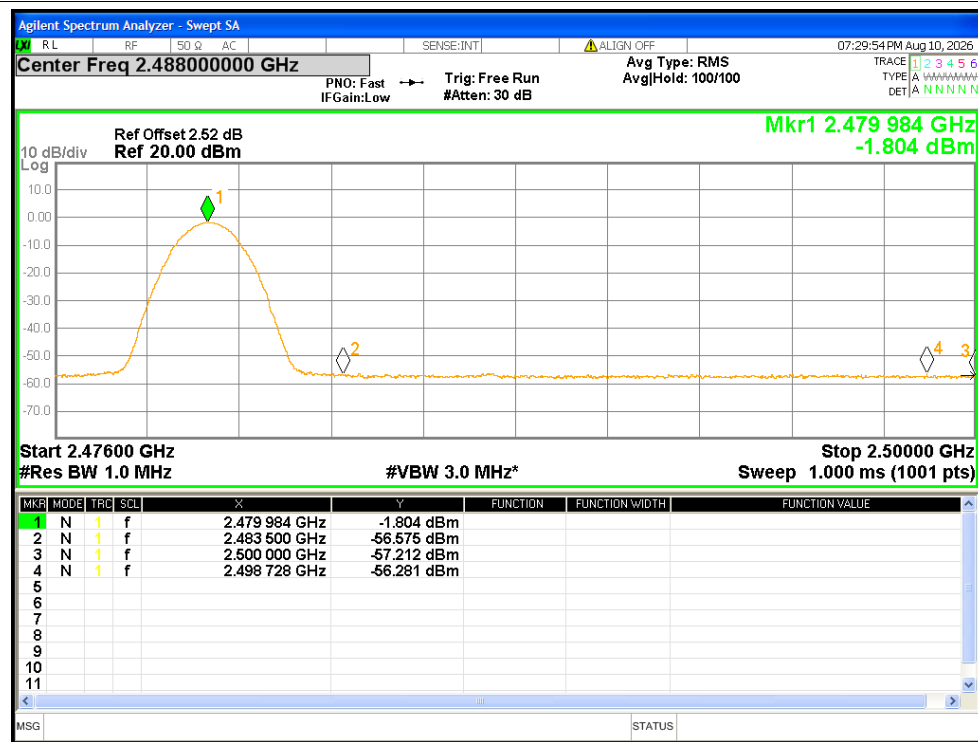
Restrict Band NVNT 1-DH5 2402MHz No-Hopping Average



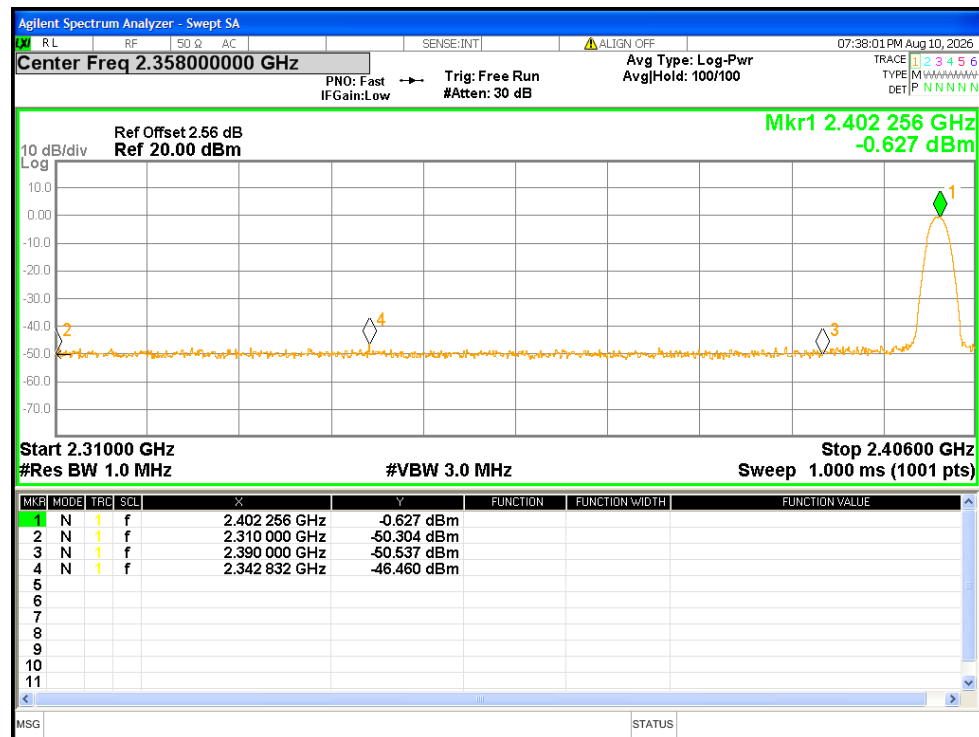
Restrict Band NVNT 1-DH5 2480MHz No-Hopping Peak



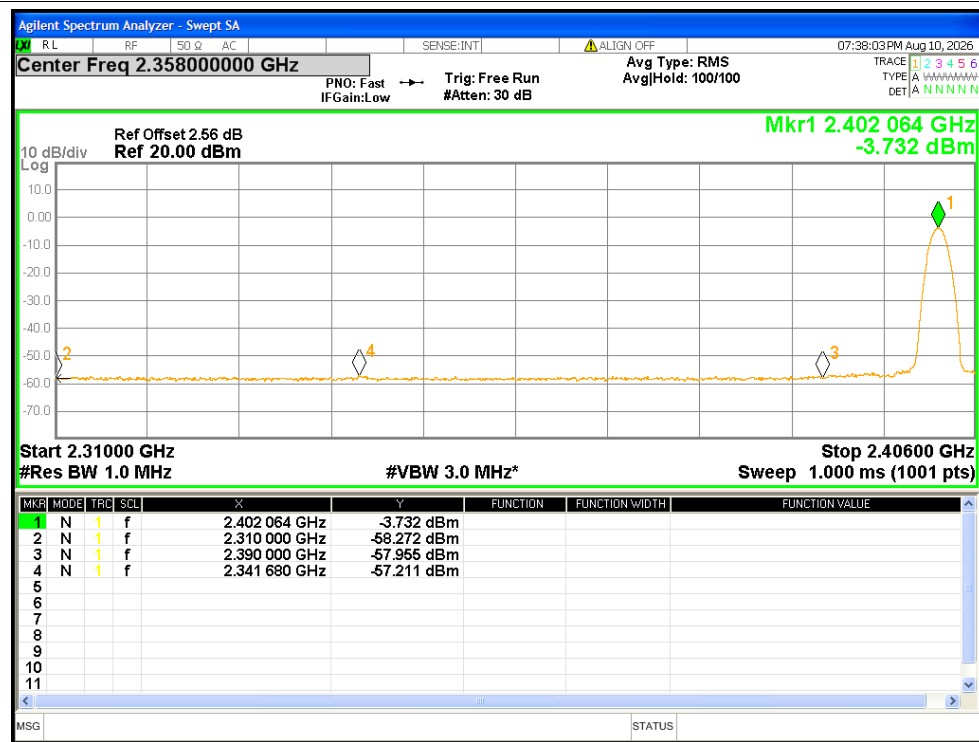
Restrict Band NVNT 1-DH5 2480MHz No-Hopping Average



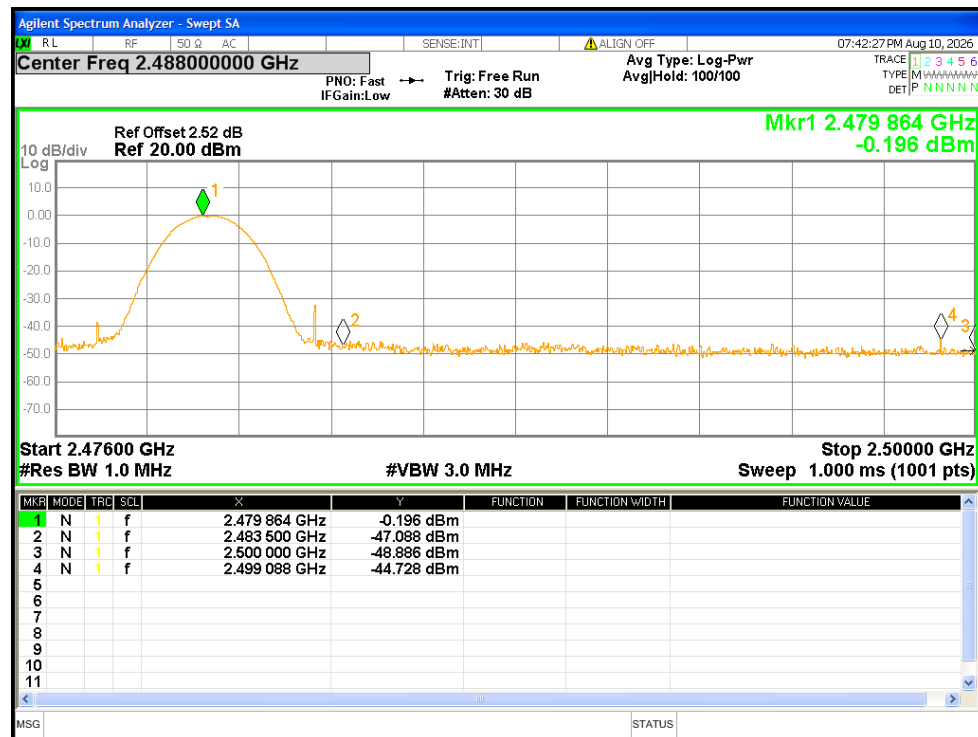
Restrict Band NVNT 2-DH5 2402MHz No-Hopping Peak



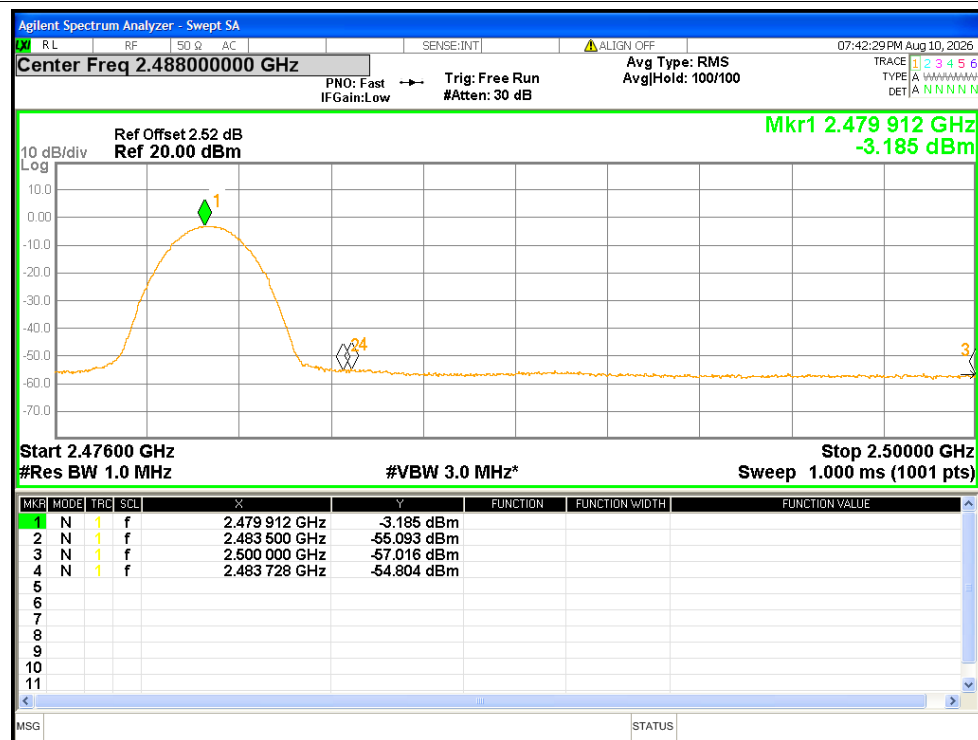
Restrict Band NVNT 2-DH5 2402MHz No-Hopping Average



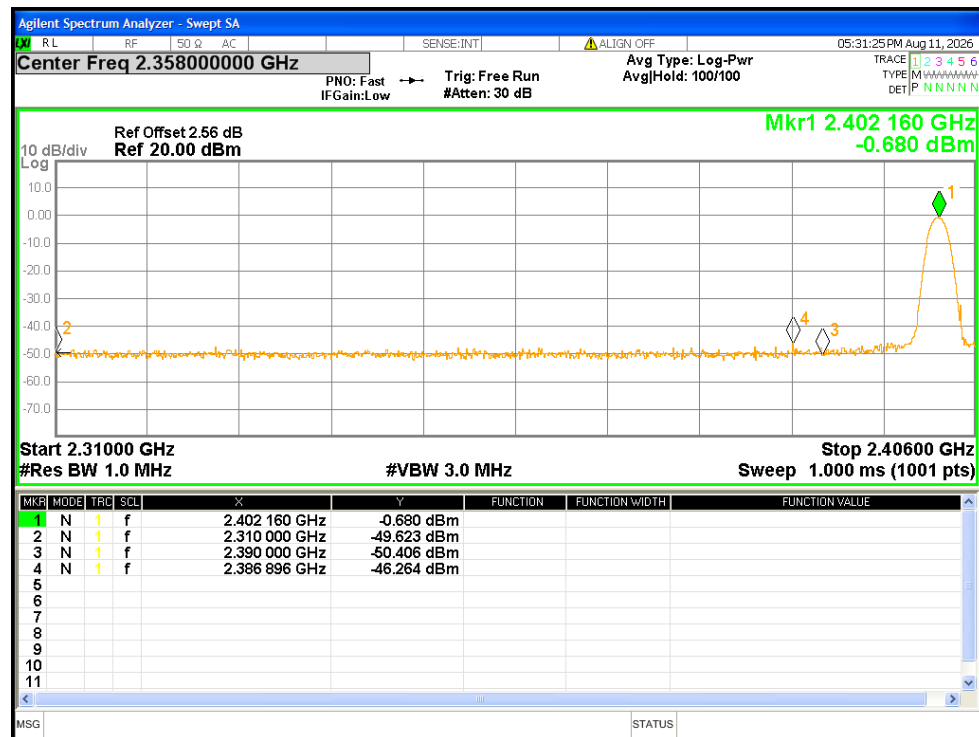
Restrict Band NVNT 2-DH5 2480MHz No-Hopping Peak



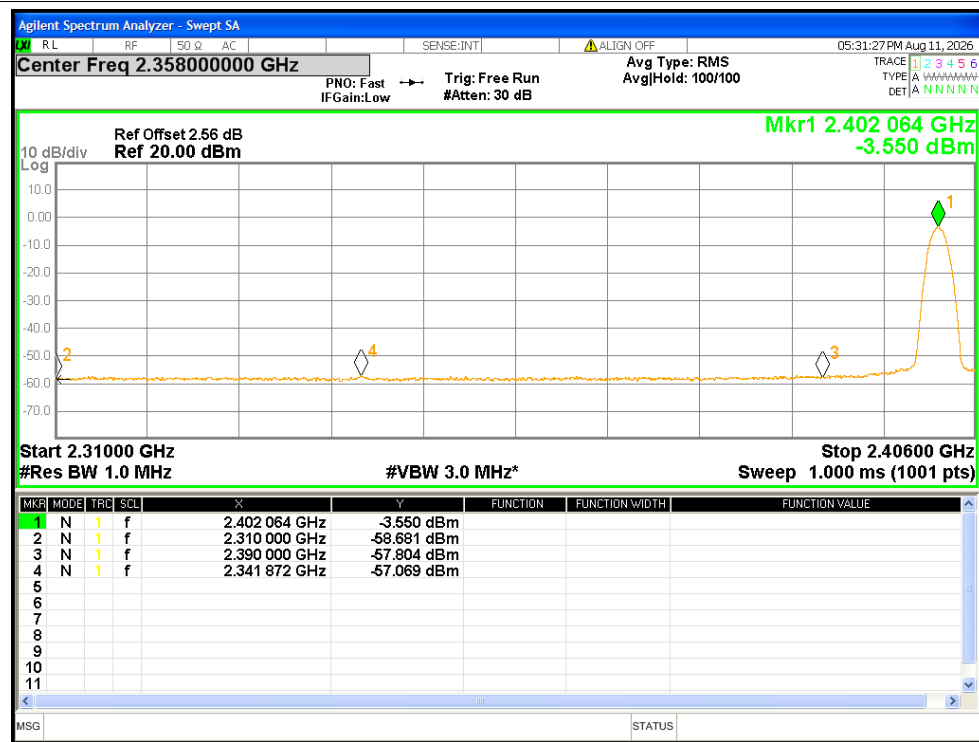
Restrict Band NVNT 2-DH5 2480MHz No-Hopping Average



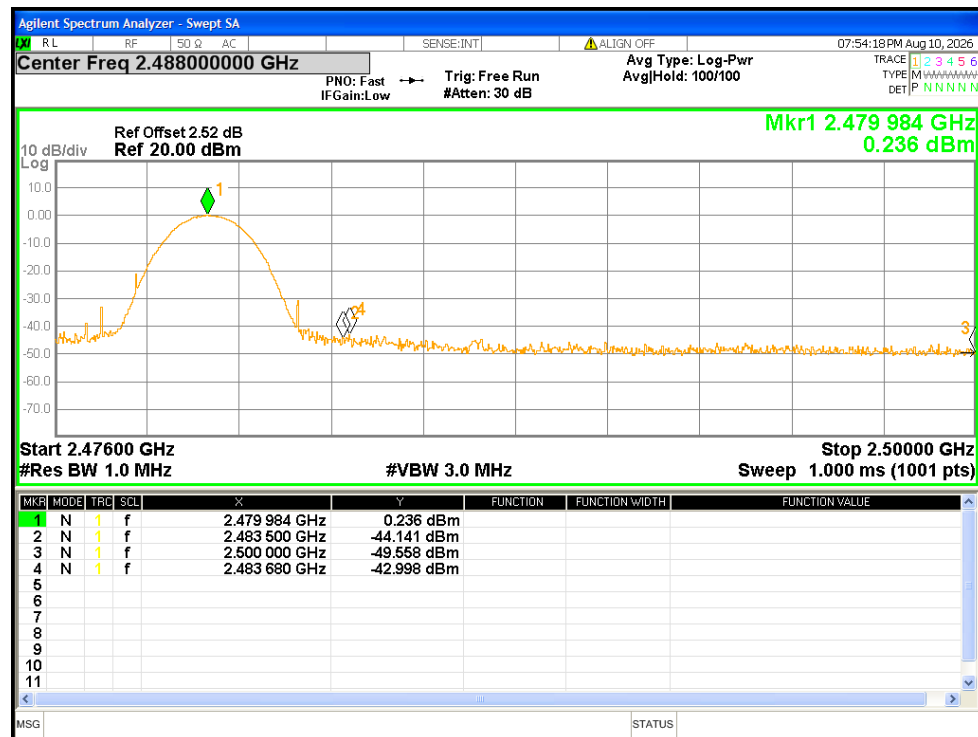
Restrict Band NVNT 3-DH5 2402MHz No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz No-Hopping Average

