

FCC Appendix RF Test Data for BT

FCC ID : 2BHJR-NE728

Company : Shenzhen xiaoxiang supply chain technology co., ltd

EUT : HTC Wireless Earphones 72

Model Number : HTC NE72

Report No. : CTA26073102401

Reviewed By : Eric Wang

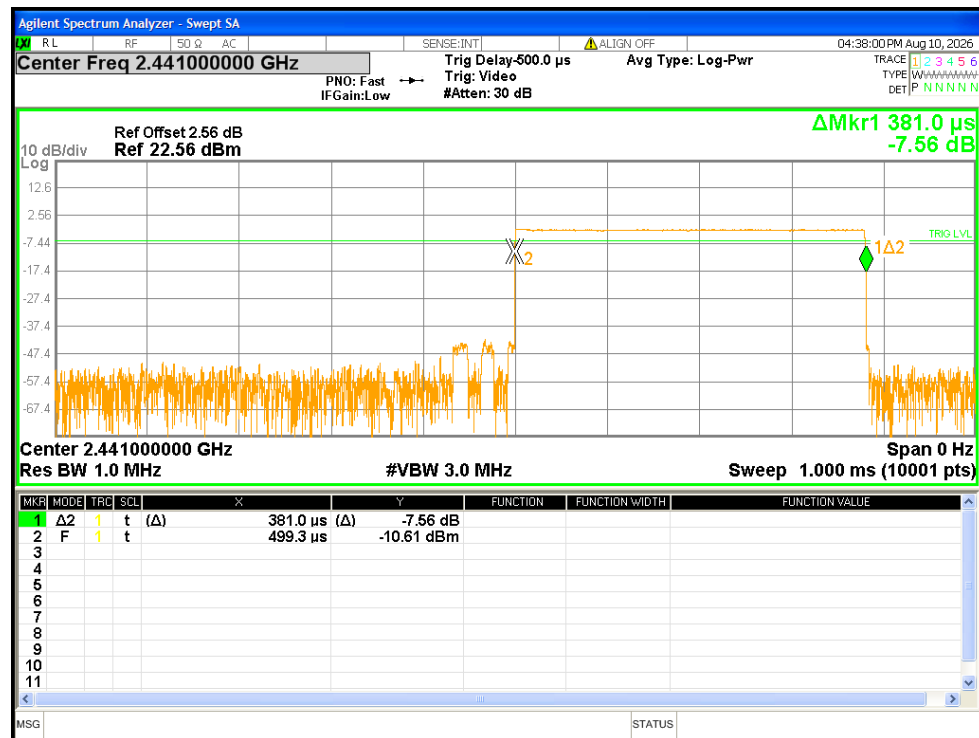
Dwell Time

Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.381	120.015	315	31600	<=400	Pass
NVNT	1-DH3	2441	1.636	261.76	160	31600	<=400	Pass
NVNT	1-DH5	2441	2.884	265.328	92	31600	<=400	Pass
NVNT	2-DH1	2441	0.389	122.924	316	31600	<=400	Pass
NVNT	2-DH3	2441	1.641	249.432	152	31600	<=400	Pass
NVNT	2-DH5	2441	2.889	300.456	104	31600	<=400	Pass
NVNT	3-DH1	2441	0.389	122.146	314	31600	<=400	Pass
NVNT	3-DH3	2441	1.64	250.92	153	31600	<=400	Pass
NVNT	3-DH5	2441	2.892	318.12	110	31600	<=400	Pass

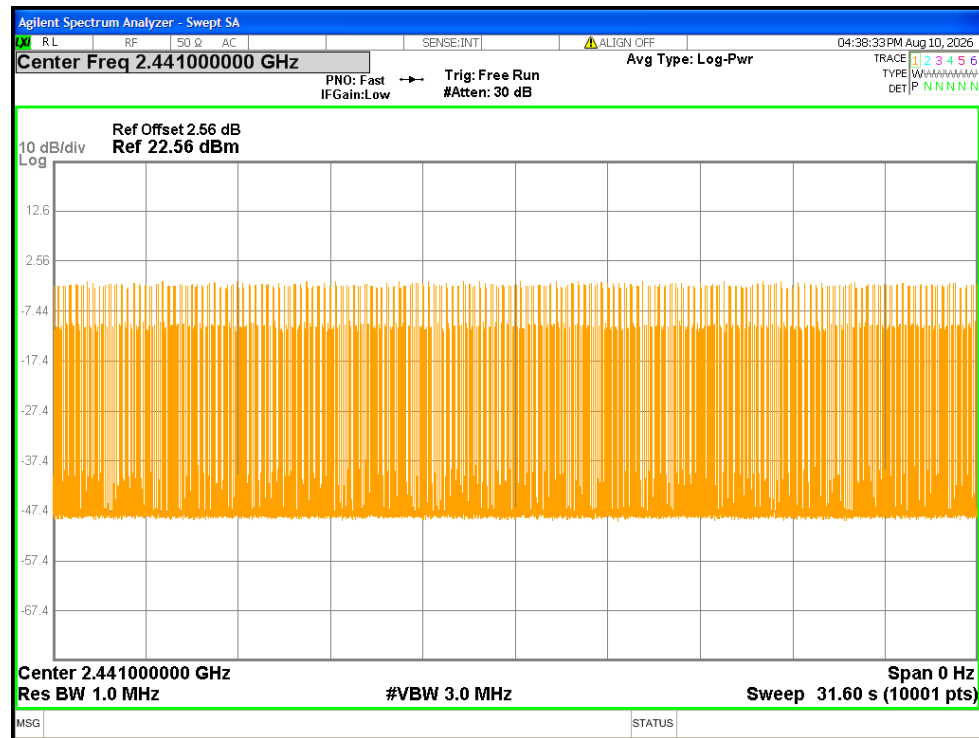
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

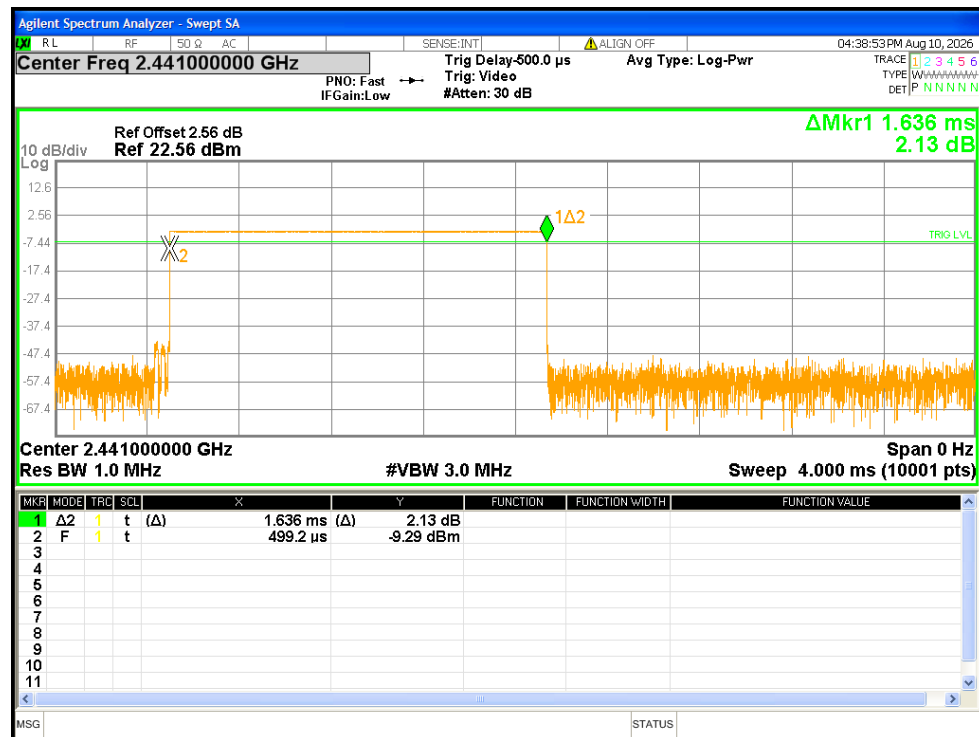
Dwell NVNT 1-DH1 2441MHz One Burst



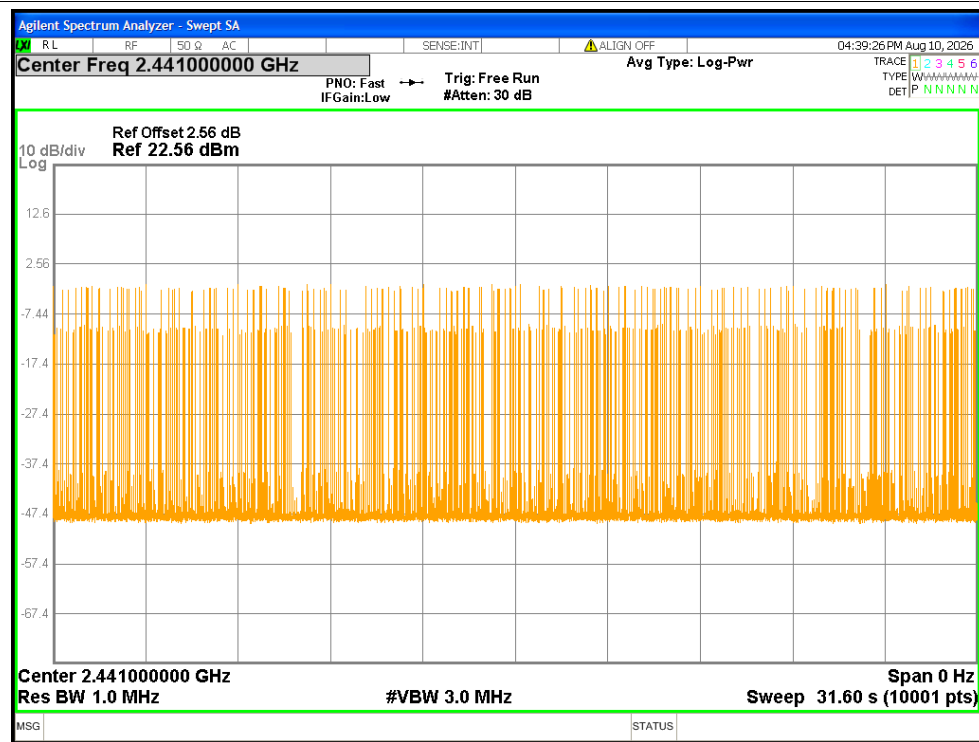
Dwell NVNT 1-DH1 2441MHz Accumulated



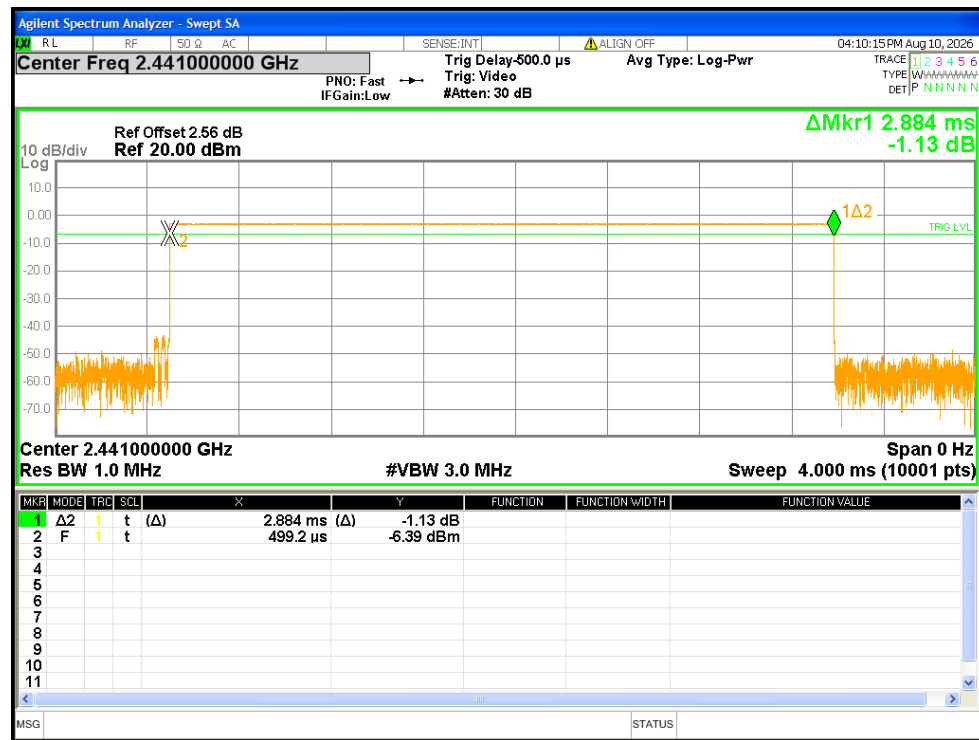
Dwell NVNT 1-DH3 2441MHz One Burst



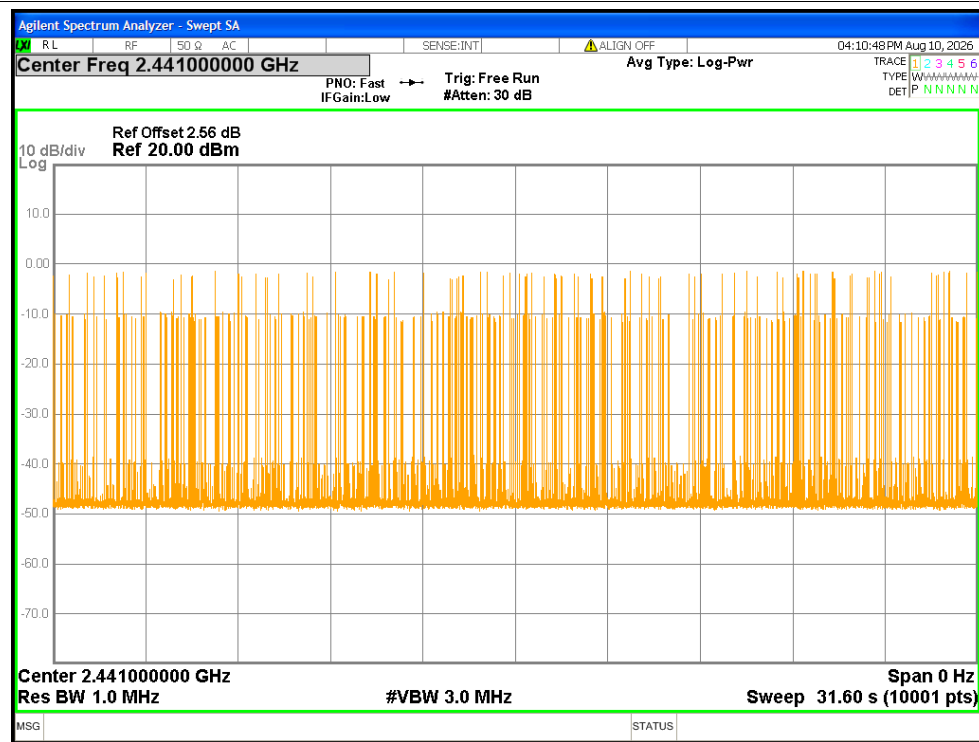
Dwell NVNT 1-DH3 2441MHz Accumulated



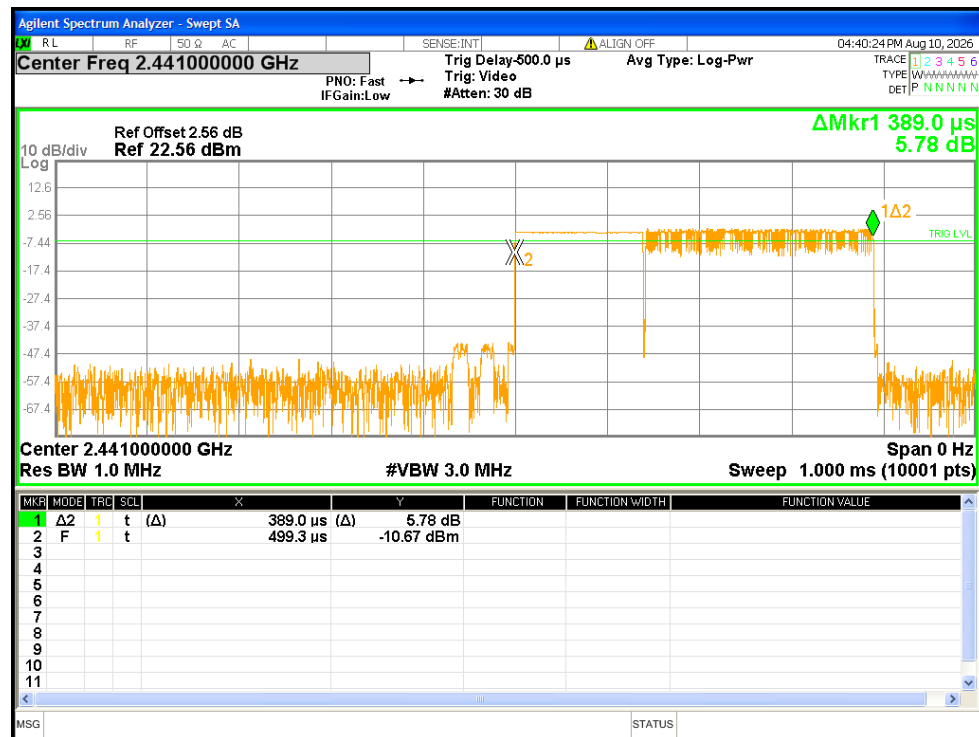
Dwell NVNT 1-DH5 2441MHz One Burst



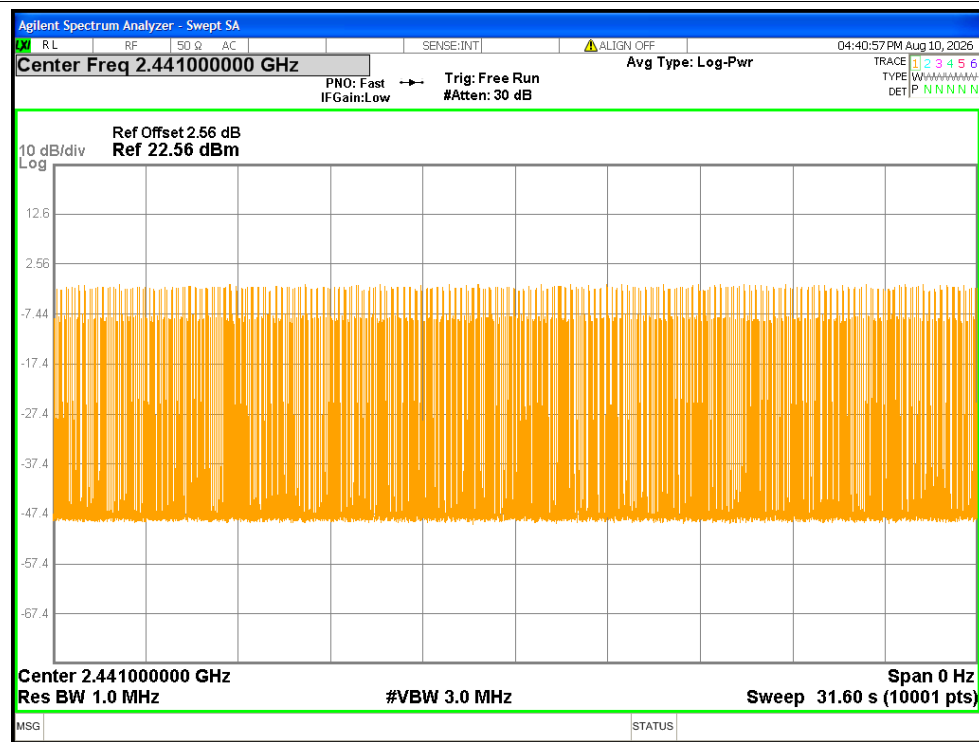
Dwell NVNT 1-DH5 2441MHz Accumulated



Dwell NVNT 2-DH1 2441MHz One Burst



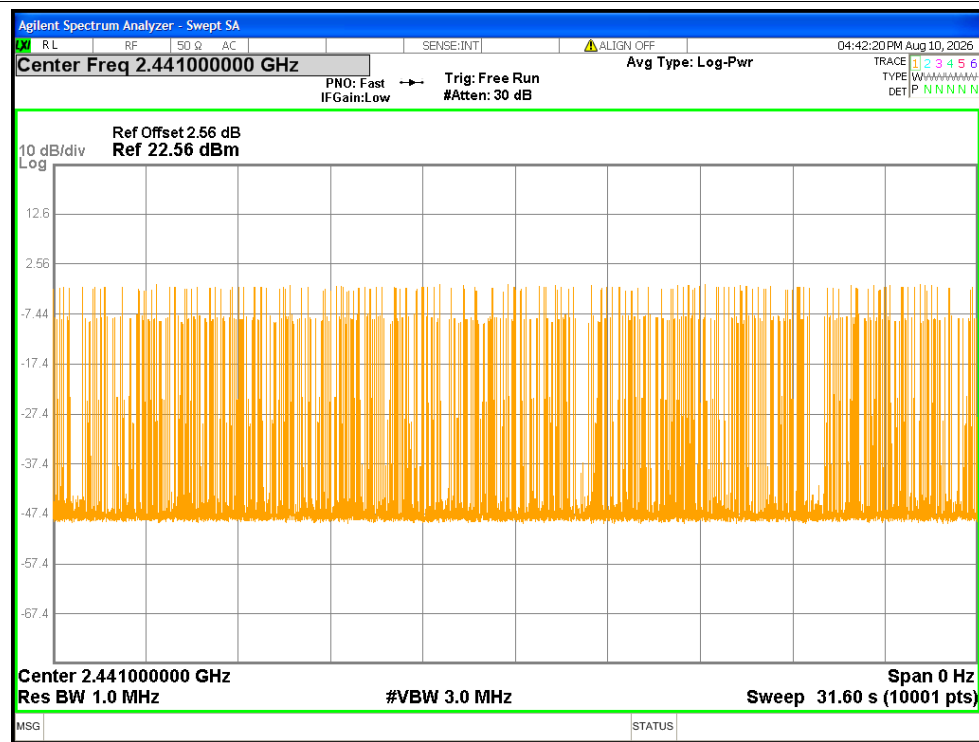
Dwell NVNT 2-DH1 2441MHz Accumulated



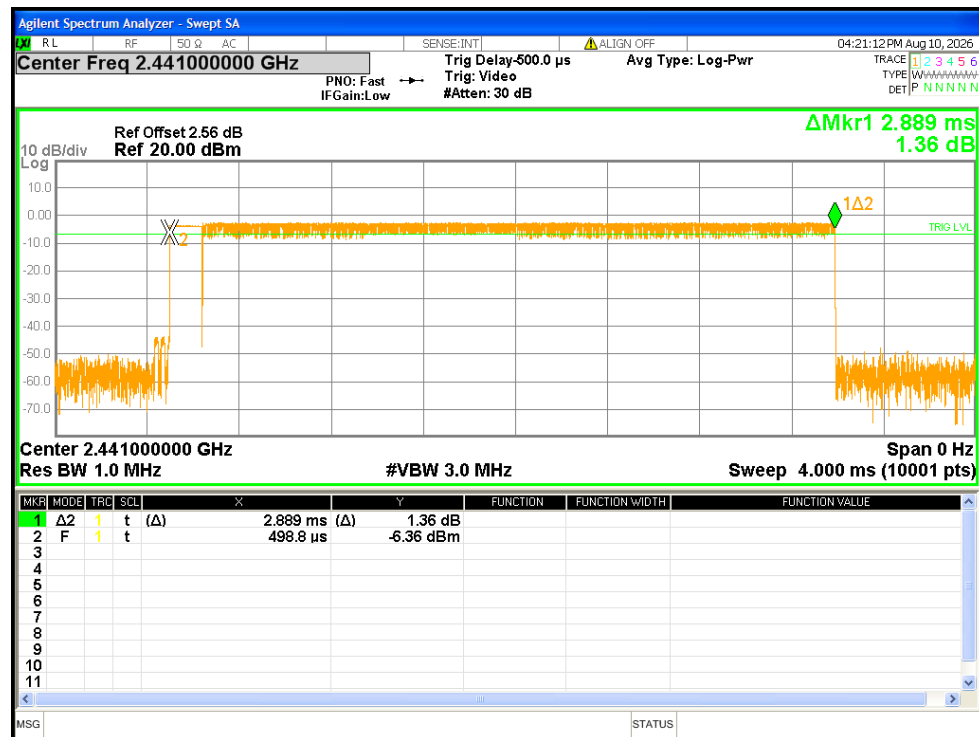
Dwell NVNT 2-DH3 2441MHz One Burst



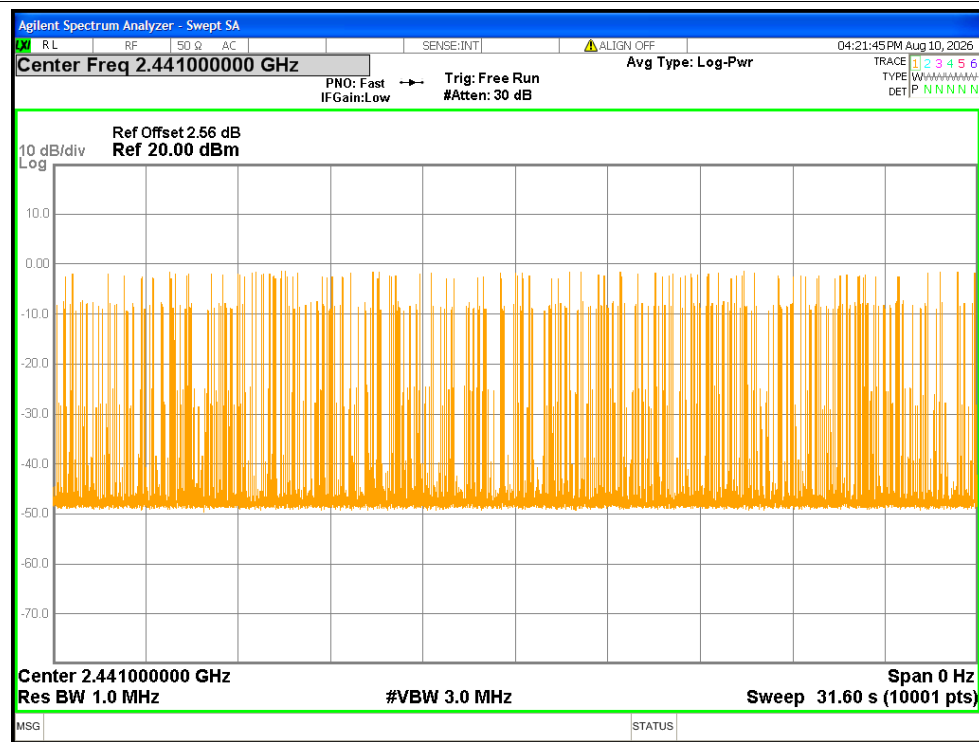
Dwell NVNT 2-DH3 2441MHz Accumulated



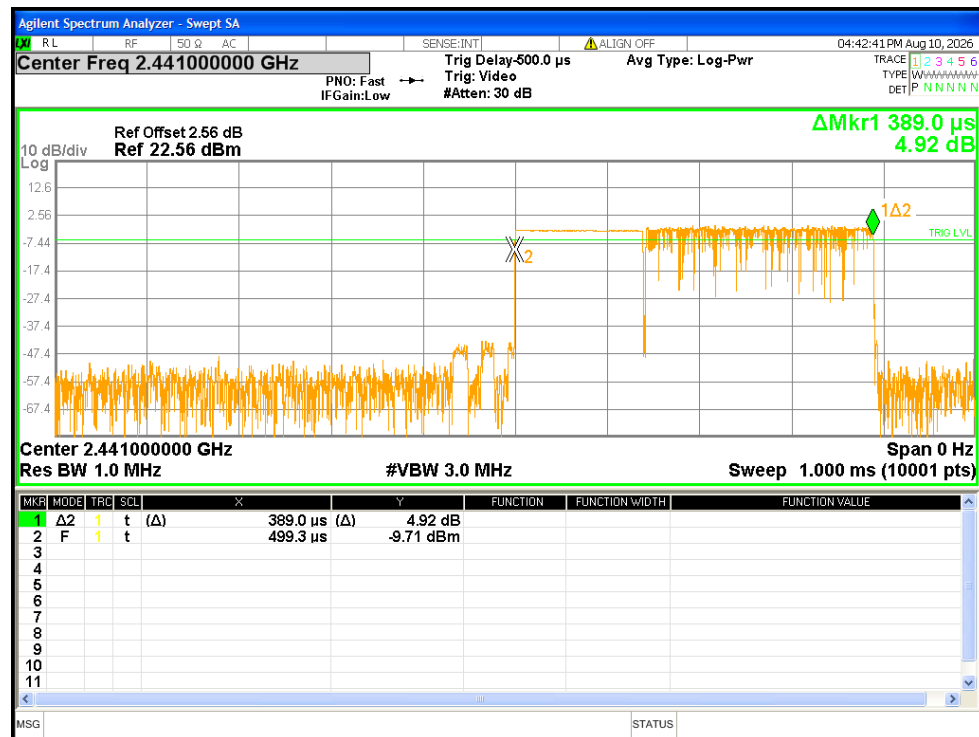
Dwell NVNT 2-DH5 2441MHz One Burst



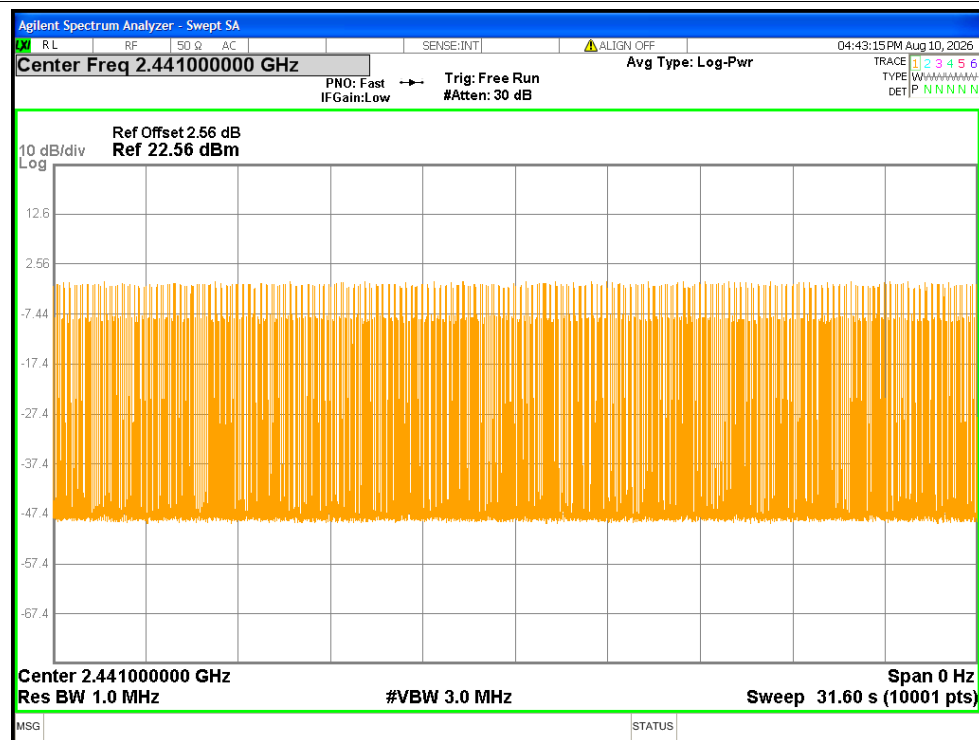
Dwell NVNT 2-DH5 2441MHz Accumulated



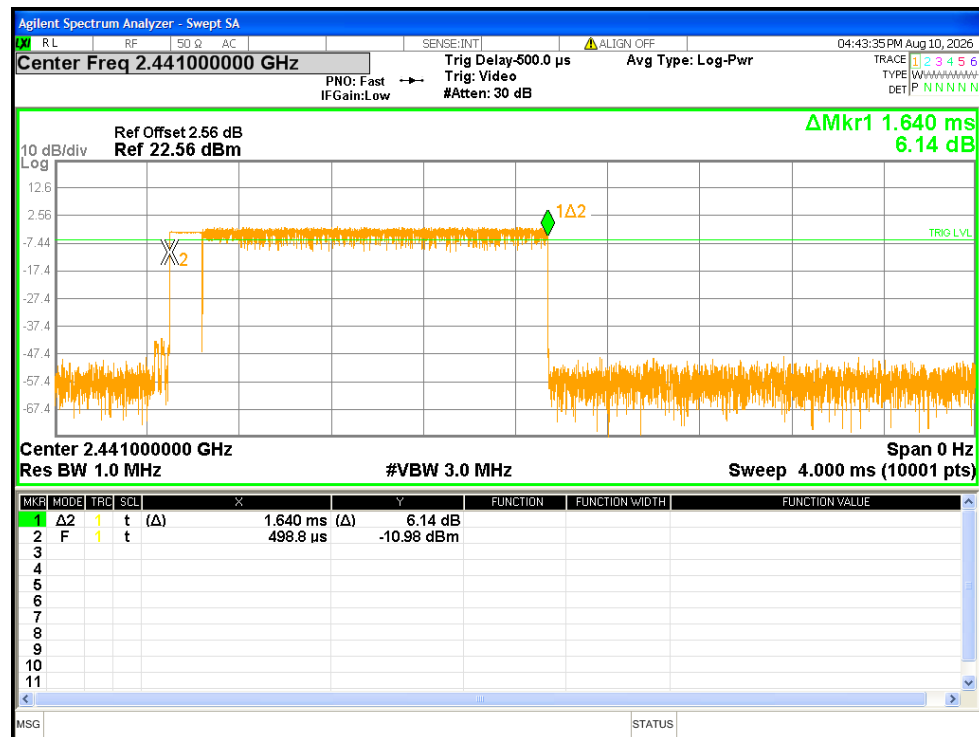
Dwell NVNT 3-DH1 2441MHz One Burst



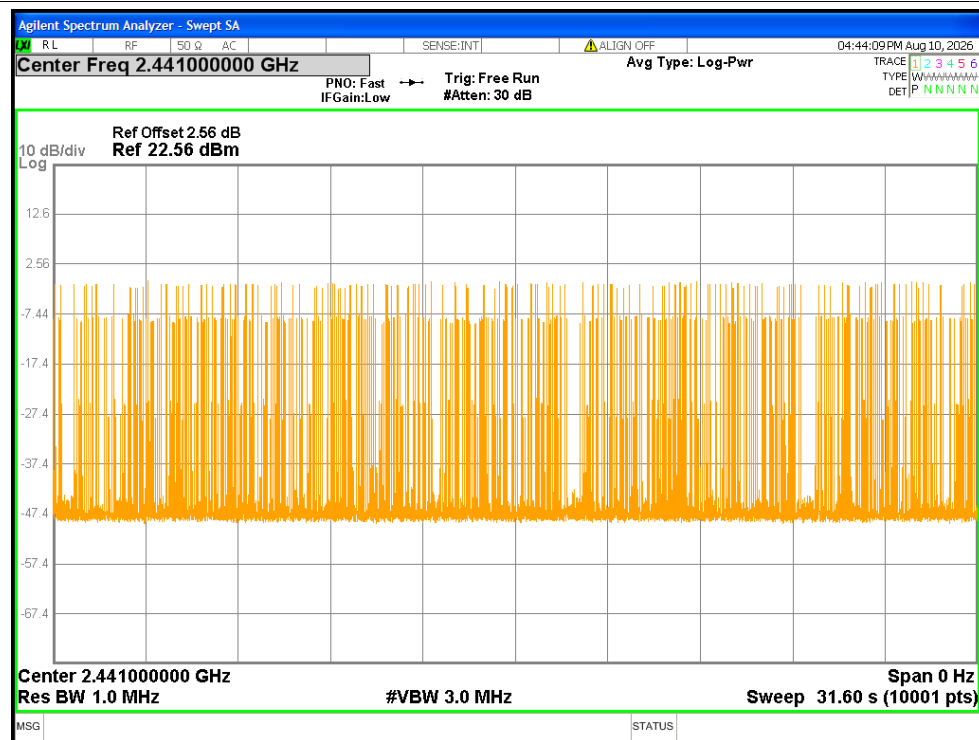
Dwell NVNT 3-DH1 2441MHz Accumulated



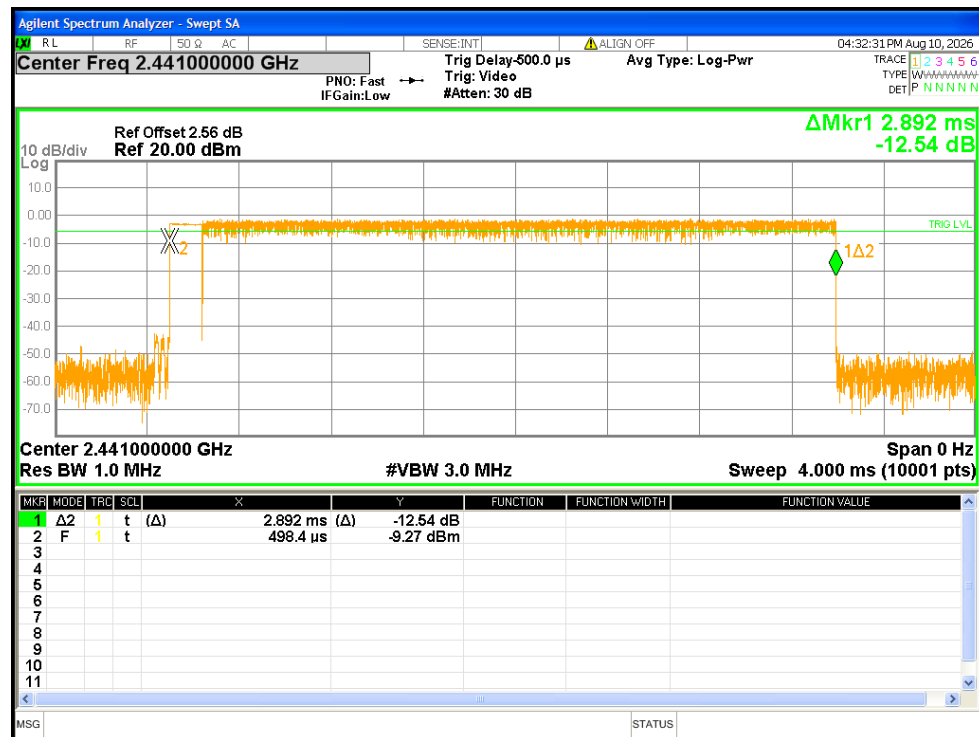
Dwell NVNT 3-DH3 2441MHz One Burst



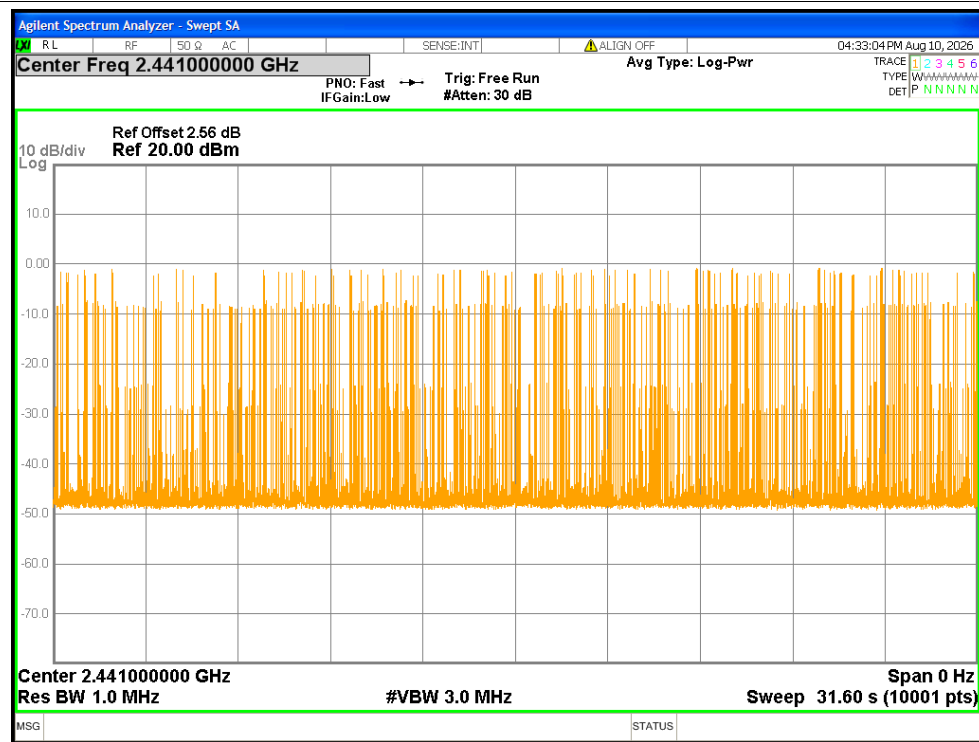
Dwell NVNT 3-DH3 2441MHz Accumulated



Dwell NVNT 3-DH5 2441MHz One Burst



Dwell NVNT 3-DH5 2441MHz Accumulated



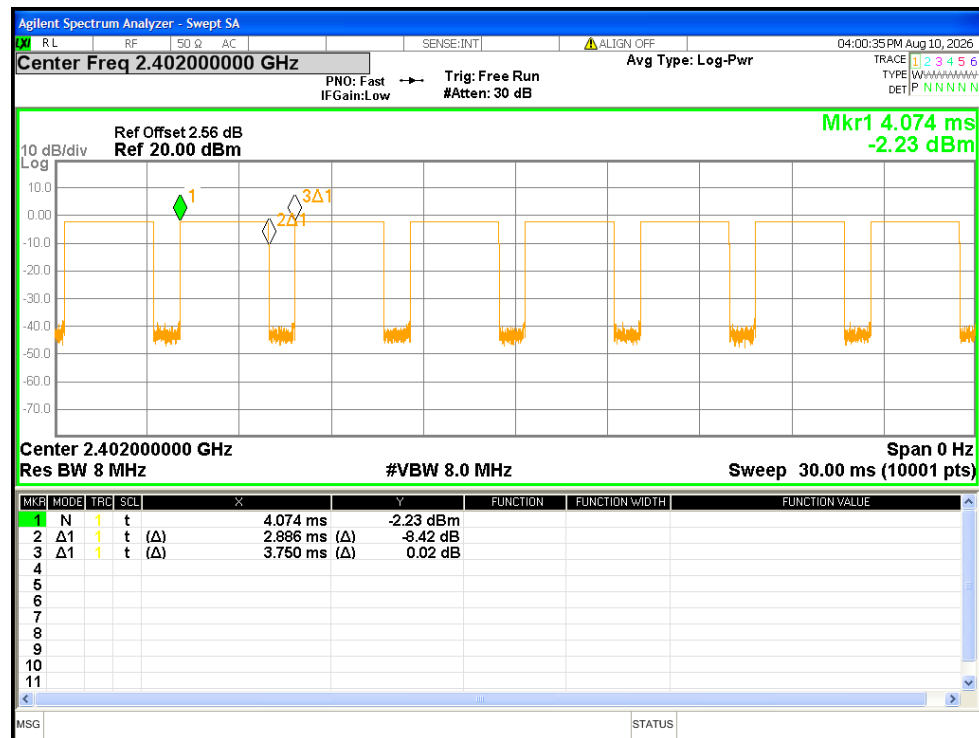
Duty Cycle

Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	2.886	3.75	76.96	1.14	0.35
NVNT	1-DH5	2441	2.886	3.75	76.96	1.14	0.35
NVNT	1-DH5	2480	2.883	3.75	76.88	1.14	0.35
NVNT	2-DH5	2402	2.889	3.75	77.04	1.13	0.35
NVNT	2-DH5	2441	2.889	3.75	77.04	1.13	0.35
NVNT	2-DH5	2480	2.889	3.75	77.04	1.13	0.35
NVNT	3-DH5	2402	2.892	3.75	77.12	1.13	0.35
NVNT	3-DH5	2441	2.892	3.75	77.12	1.13	0.35
NVNT	3-DH5	2480	2.892	3.75	77.12	1.13	0.35

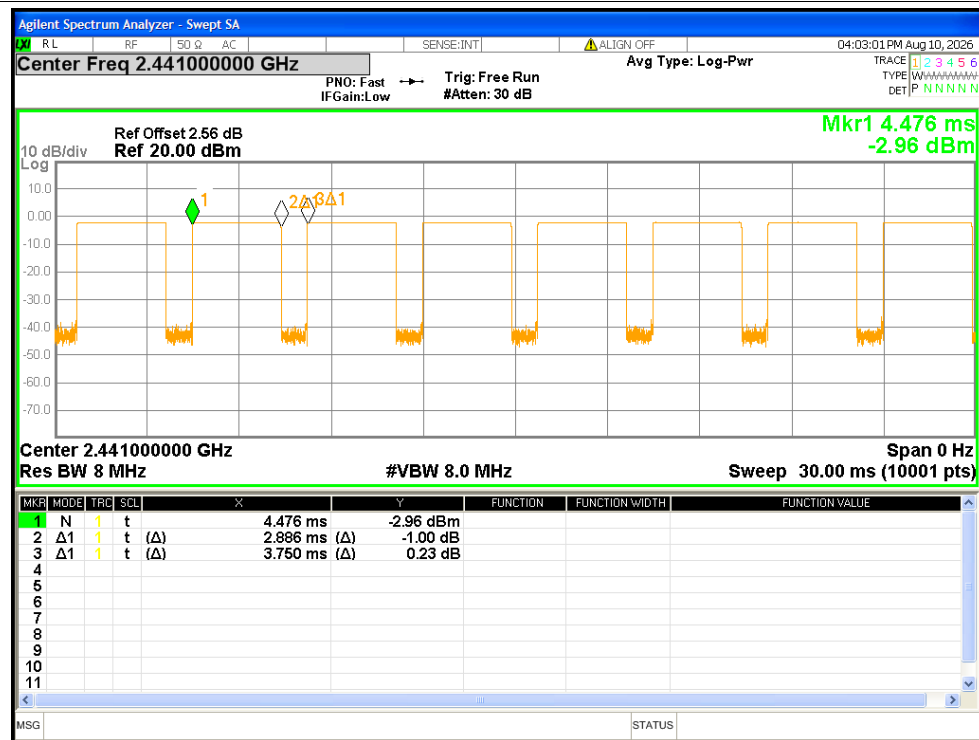
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

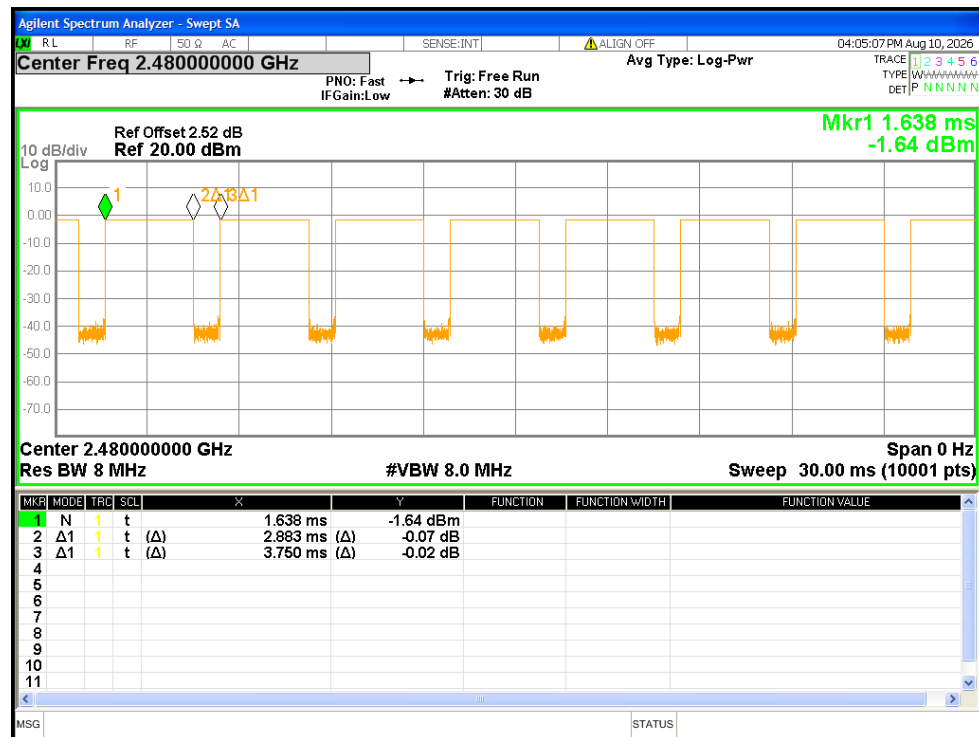
Duty Cycle NVNT 1-DH5 2402MHz



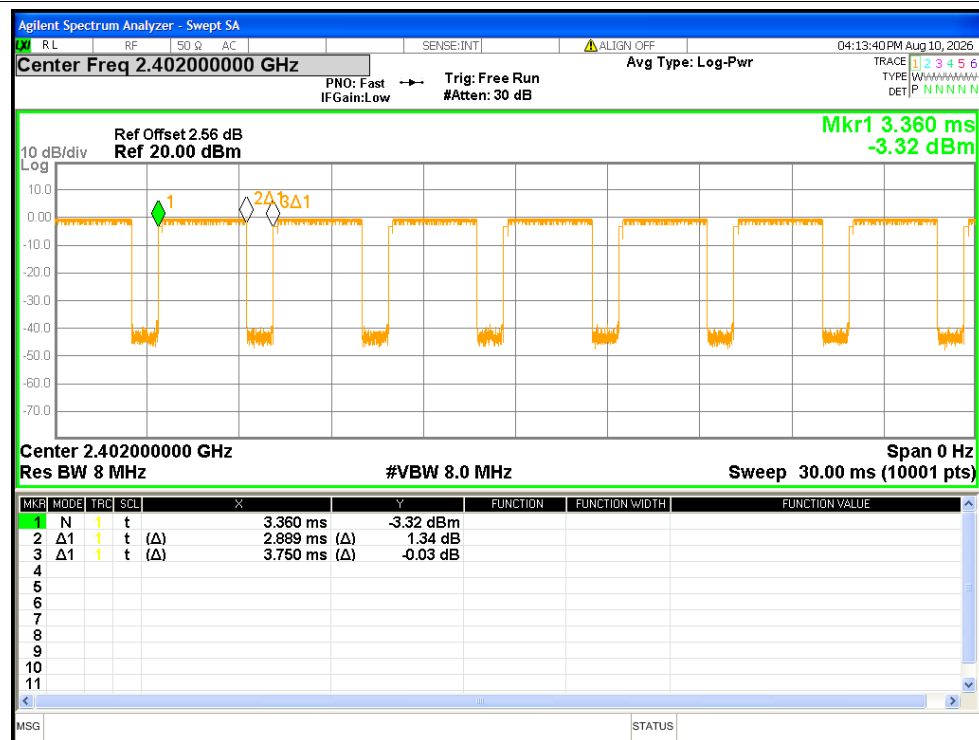
Duty Cycle NVNT 1-DH5 2441MHz



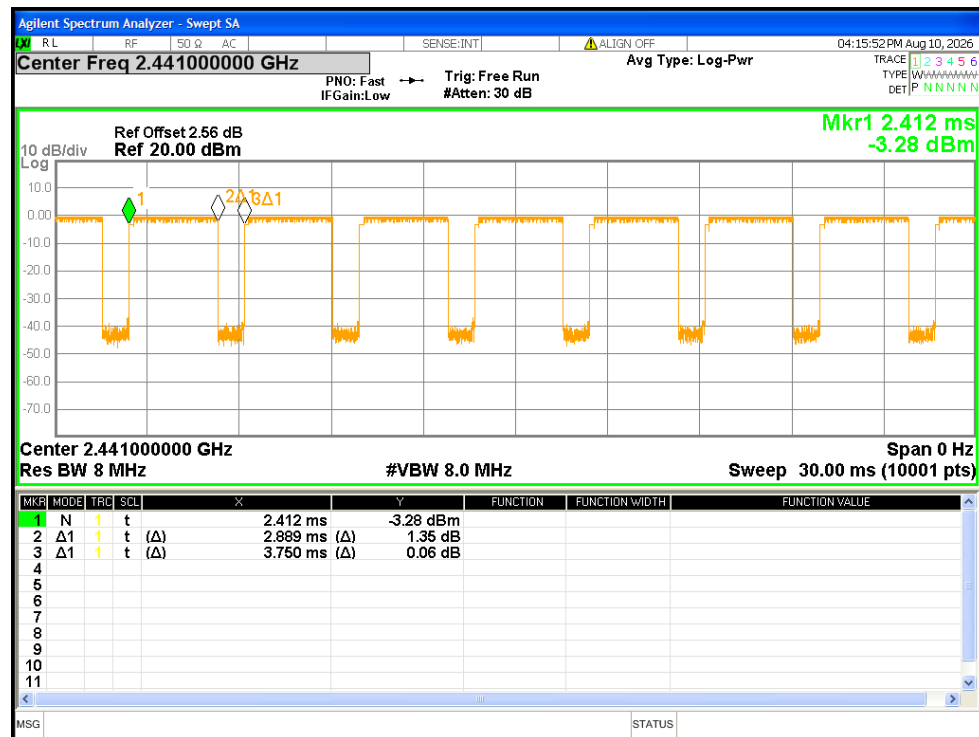
Duty Cycle NVNT 1-DH5 2480MHz



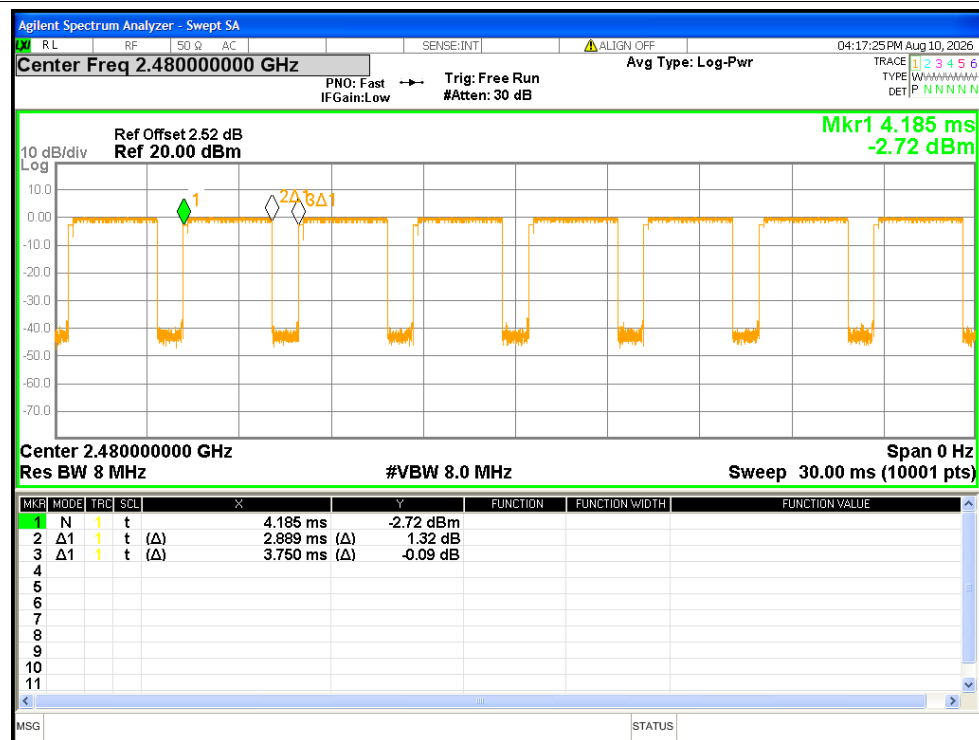
Duty Cycle NVNT 2-DH5 2402MHz



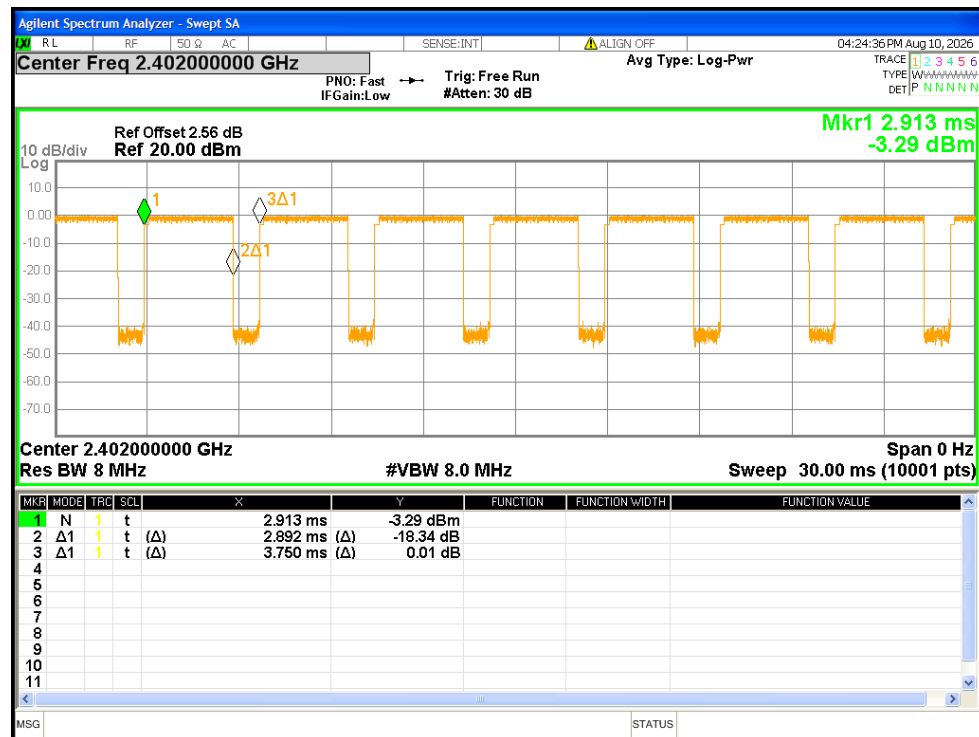
Duty Cycle NVNT 2-DH5 2441MHz



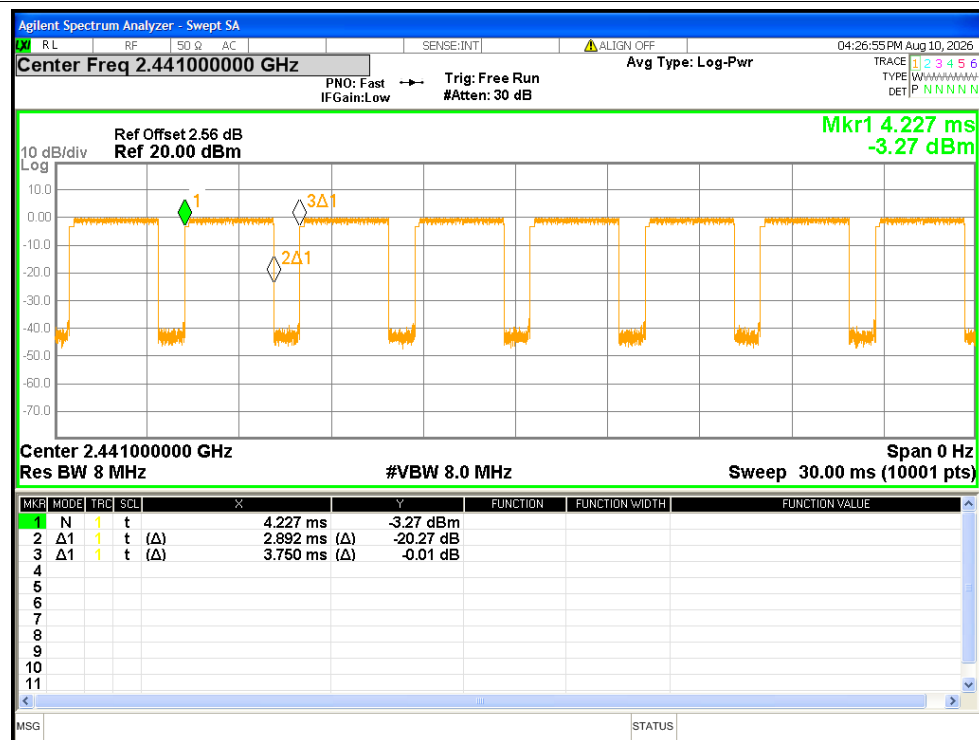
Duty Cycle NVNT 2-DH5 2480MHz



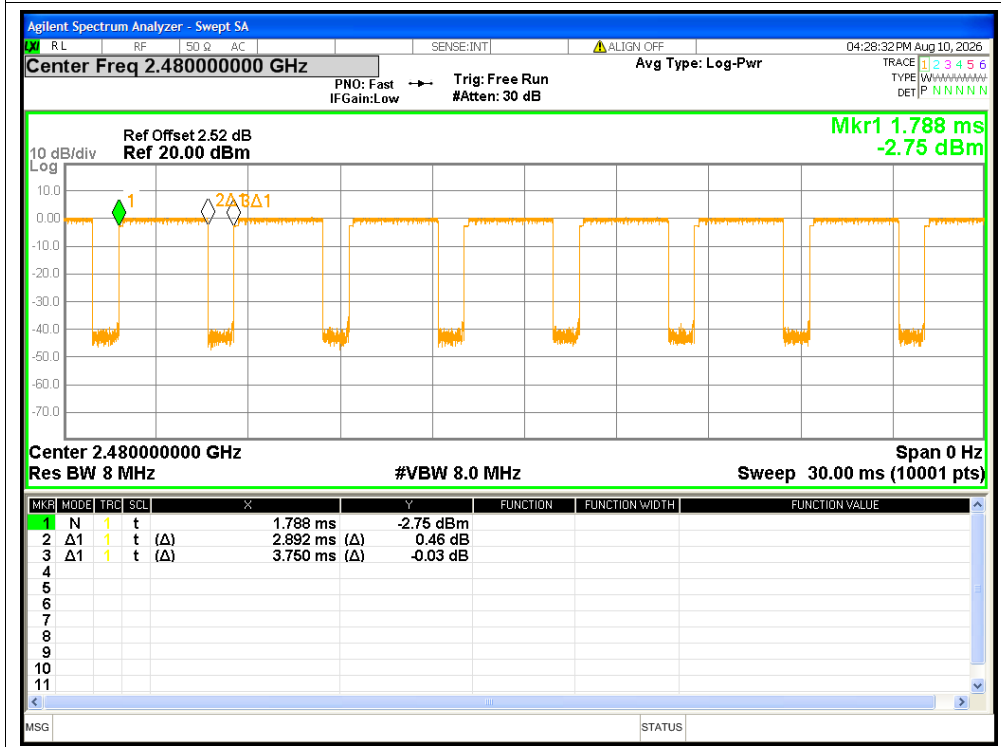
Duty Cycle NVNT 3-DH5 2402MHz



Duty Cycle NVNT 3-DH5 2441MHz



Duty Cycle NVNT 3-DH5 2480MHz



Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	-2.2	<=30	Pass
NVNT	1-DH5	2441	-2.14	<=30	Pass
NVNT	1-DH5	2480	-1.62	<=30	Pass
NVNT	2-DH5	2402	-1.14	<=21	Pass
NVNT	2-DH5	2441	-1.17	<=21	Pass
NVNT	2-DH5	2480	-0.67	<=21	Pass
NVNT	3-DH5	2402	-0.99	<=21	Pass
NVNT	3-DH5	2441	-0.96	<=21	Pass
NVNT	3-DH5	2480	-0.49	<=21	Pass

Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

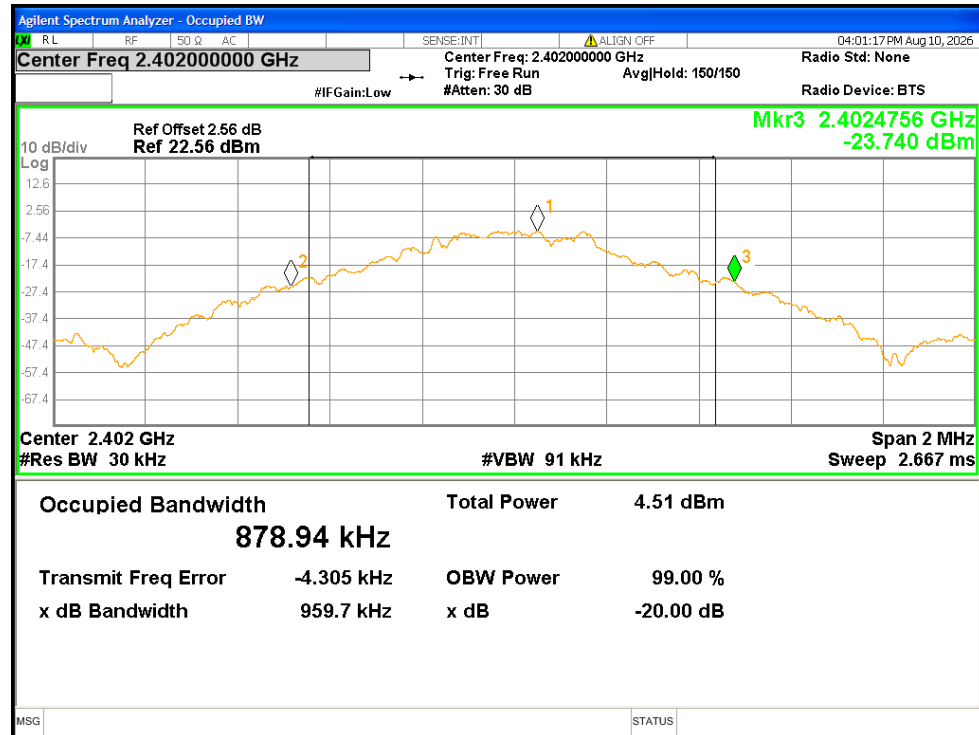
-20dB Bandwidth

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.9597	Pass
NVNT	1-DH5	2441	0.9483	Pass
NVNT	1-DH5	2480	0.935	Pass
NVNT	2-DH5	2402	1.437	Pass
NVNT	2-DH5	2441	1.482	Pass
NVNT	2-DH5	2480	1.489	Pass
NVNT	3-DH5	2402	1.487	Pass
NVNT	3-DH5	2441	1.486	Pass
NVNT	3-DH5	2480	1.473	Pass

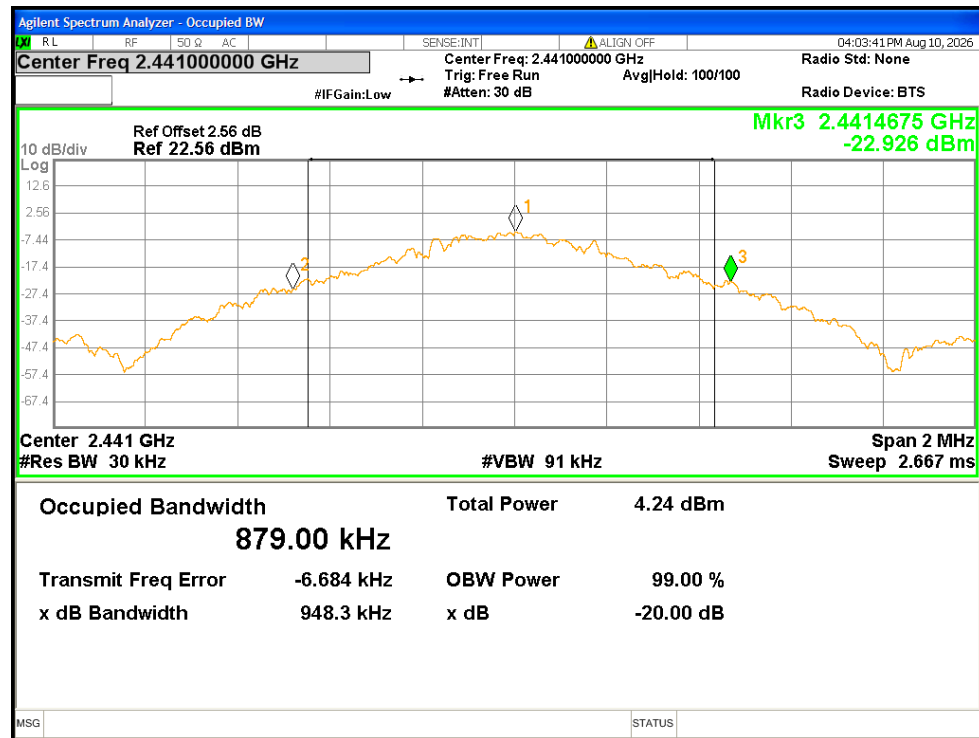
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

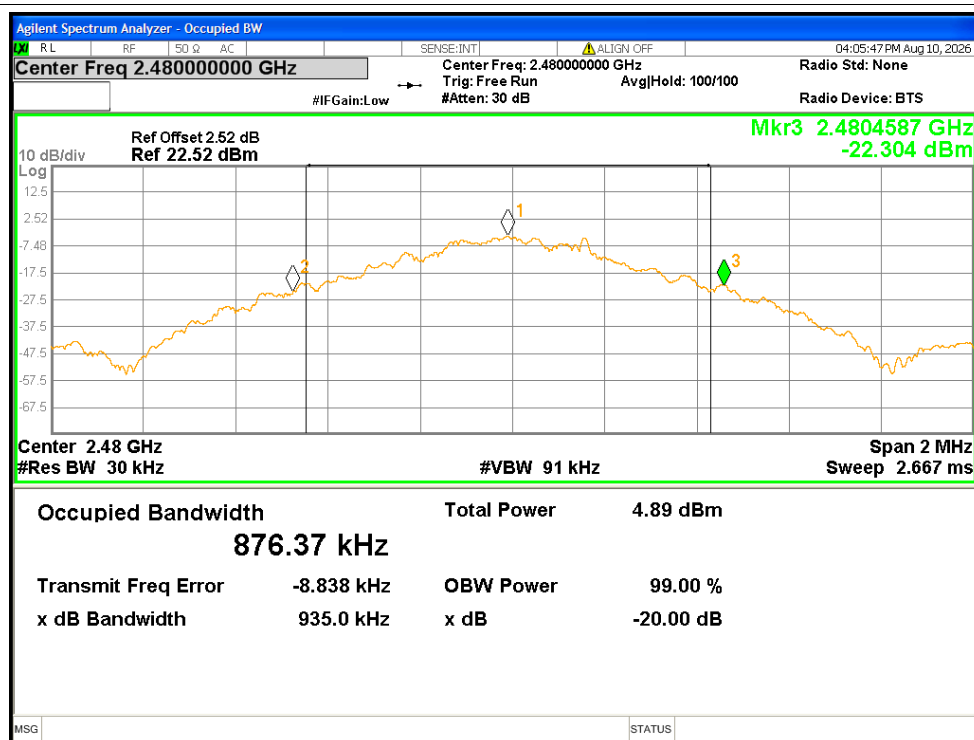
-20dB Bandwidth NVNT 1-DH5 2402MHz



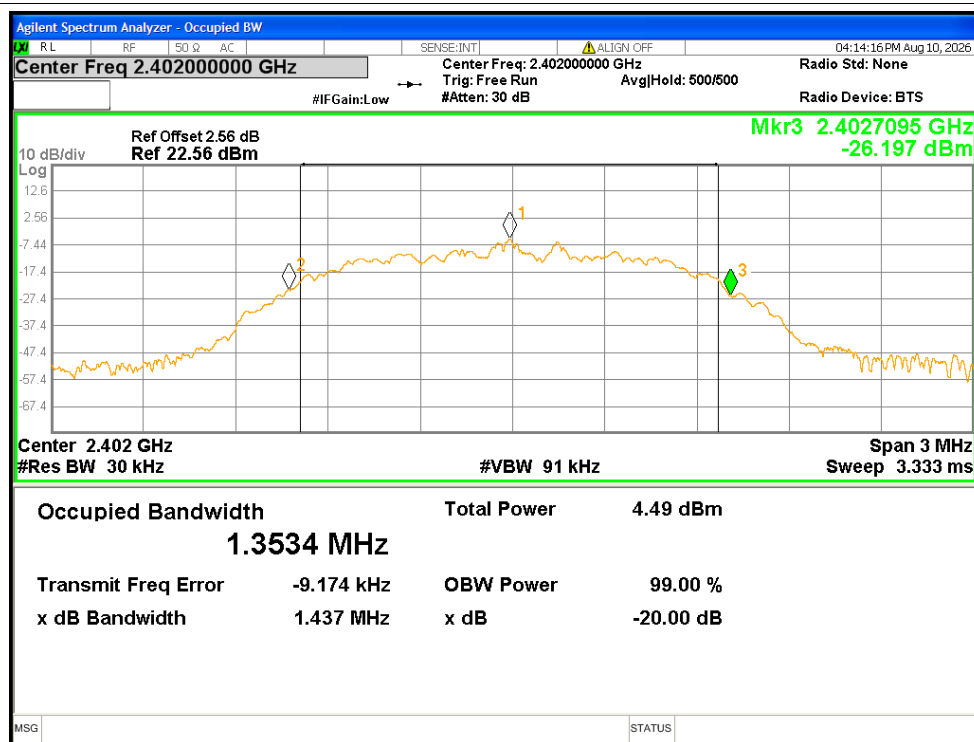
-20dB Bandwidth NVNT 1-DH5 2441MHz



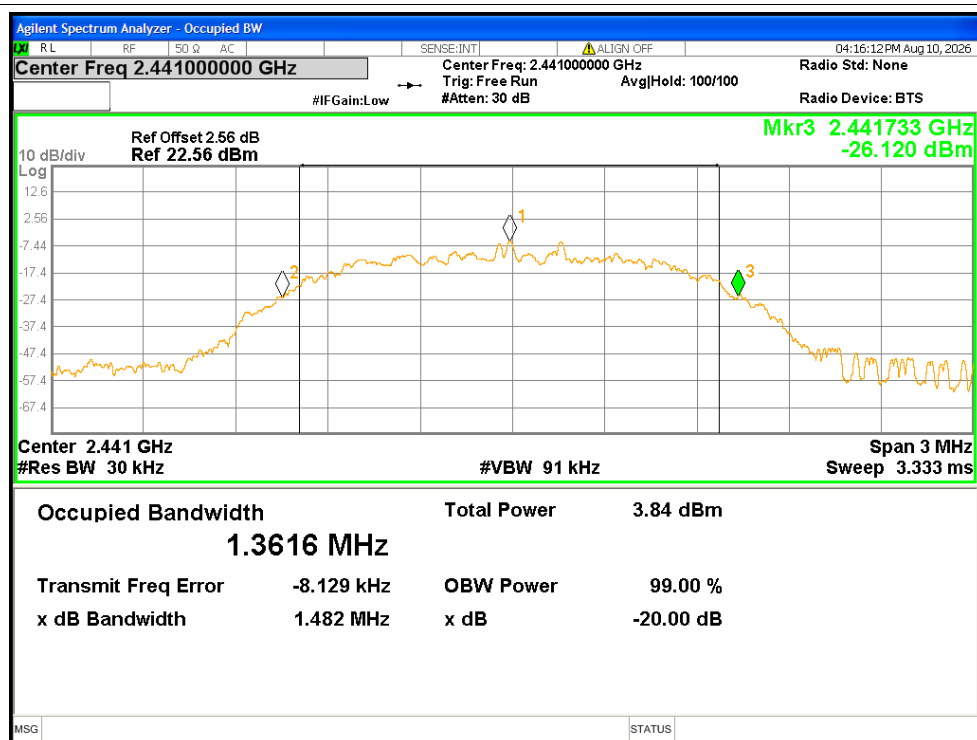
-20dB Bandwidth NVNT 1-DH5 2480MHz



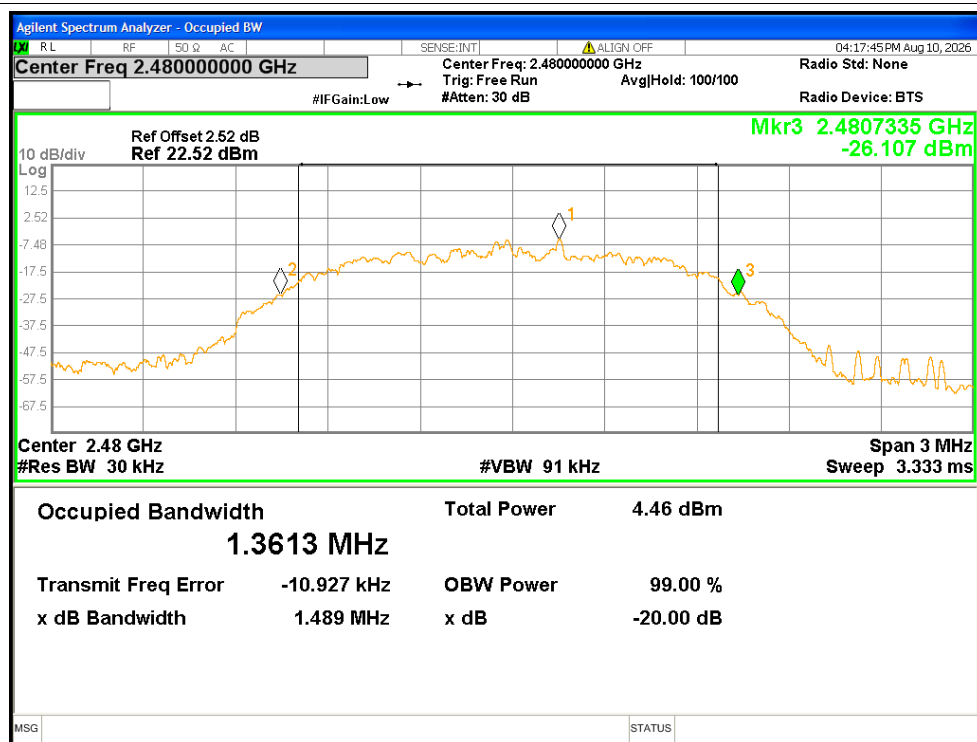
-20dB Bandwidth NVNT 2-DH5 2402MHz



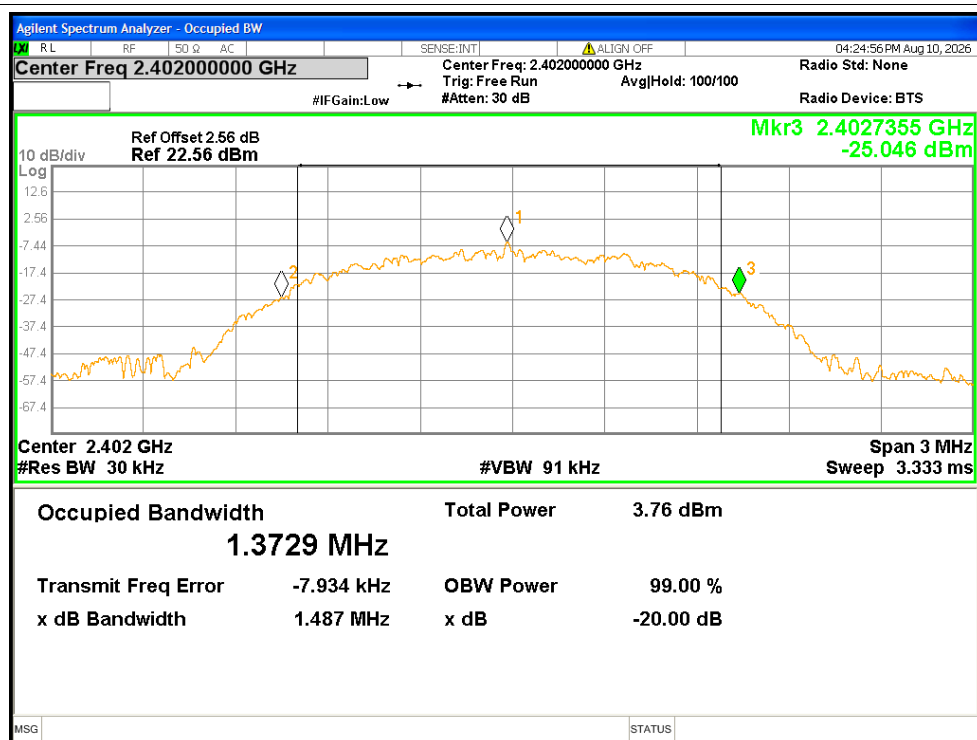
-20dB Bandwidth NVNT 2-DH5 2441MHz



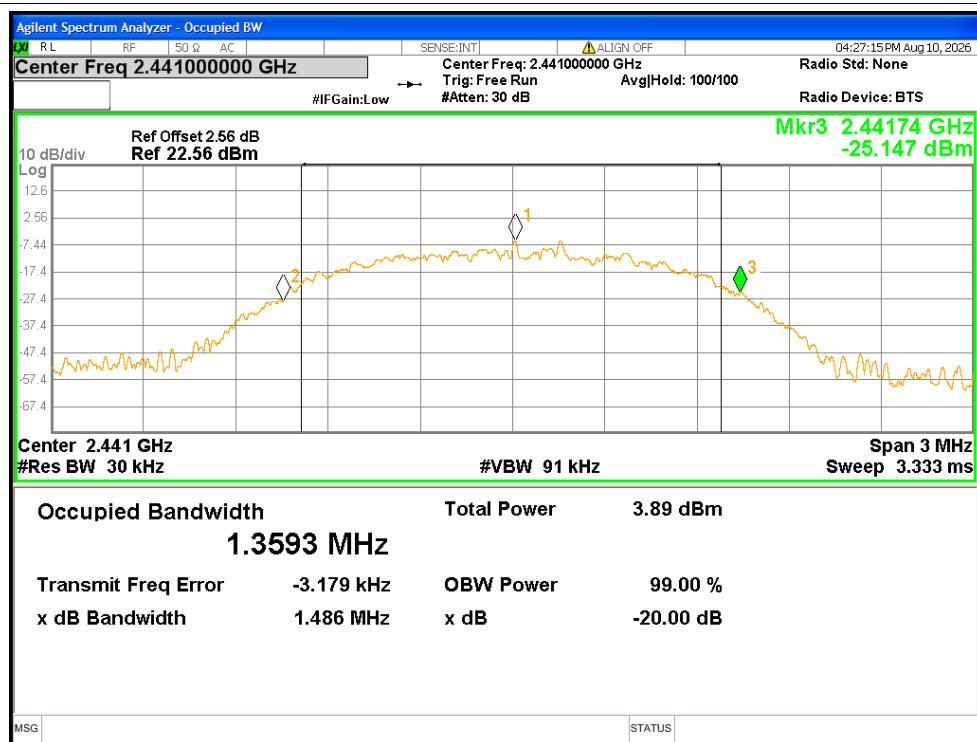
-20dB Bandwidth NVNT 2-DH5 2480MHz



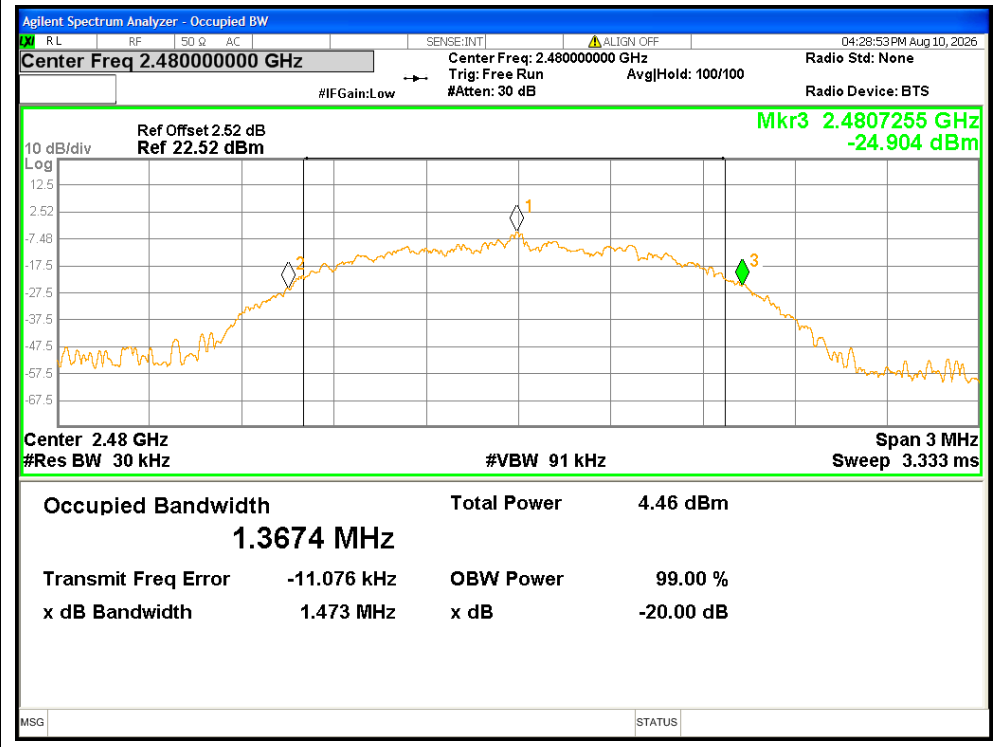
-20dB Bandwidth NVNT 3-DH5 2402MHz



-20dB Bandwidth NVNT 3-DH5 2441MHz



-20dB Bandwidth NVNT 3-DH5 2480MHz



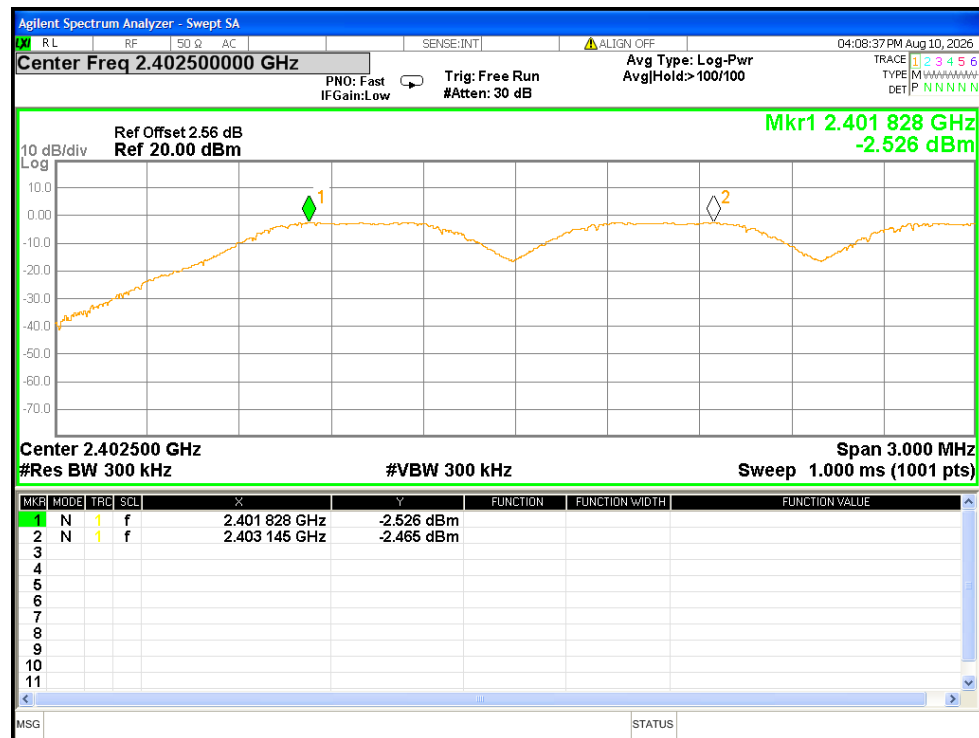
Carrier Frequencies Separation

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.828	2403.145	1.317	≥ 0.960	Pass
NVNT	1-DH5	2440.834	2441.833	0.999	≥ 0.948	Pass
NVNT	1-DH5	2478.834	2480.172	1.338	≥ 0.935	Pass
NVNT	2-DH5	2401.894	2402.86	0.966	≥ 0.958	Pass
NVNT	2-DH5	2440.834	2441.851	1.017	≥ 0.988	Pass
NVNT	2-DH5	2478.858	2480.142	1.284	≥ 0.993	Pass
NVNT	3-DH5	2401.747	2402.878	1.131	≥ 0.991	Pass
NVNT	3-DH5	2440.771	2441.836	1.065	≥ 0.991	Pass
NVNT	3-DH5	2478.861	2479.875	1.014	≥ 0.982	Pass

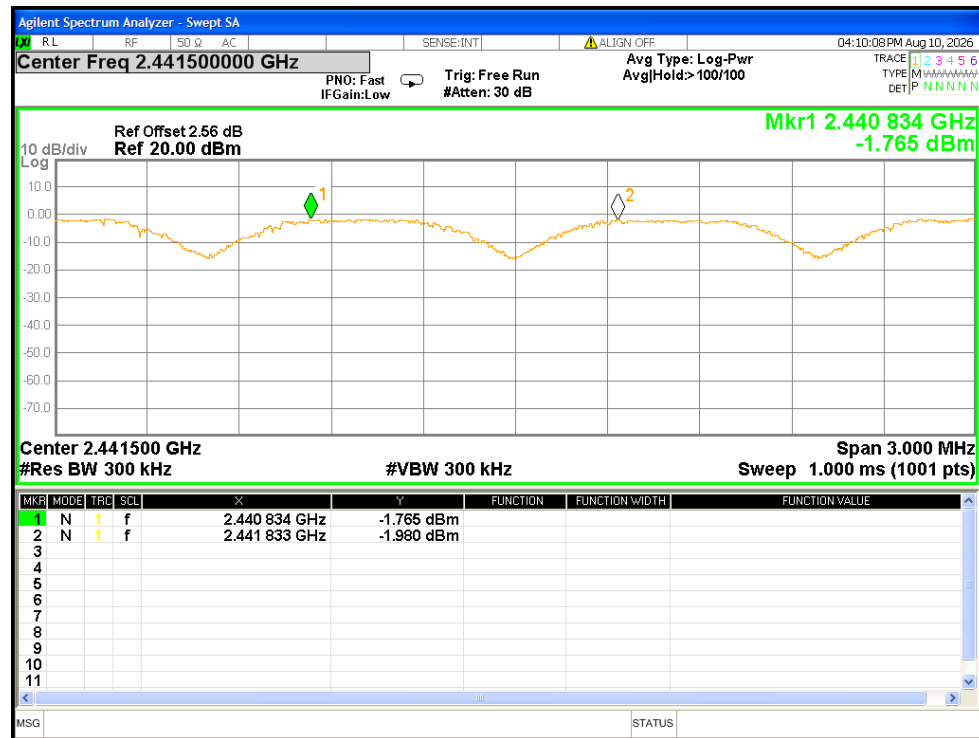
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

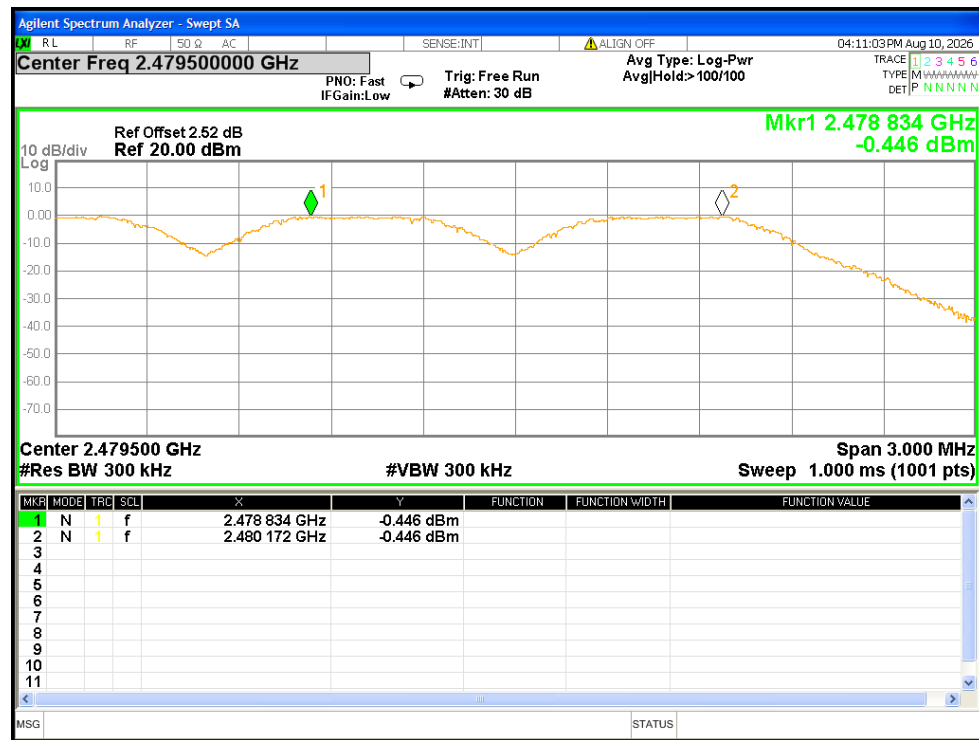
CFS NVNT 1-DH5 2402MHz



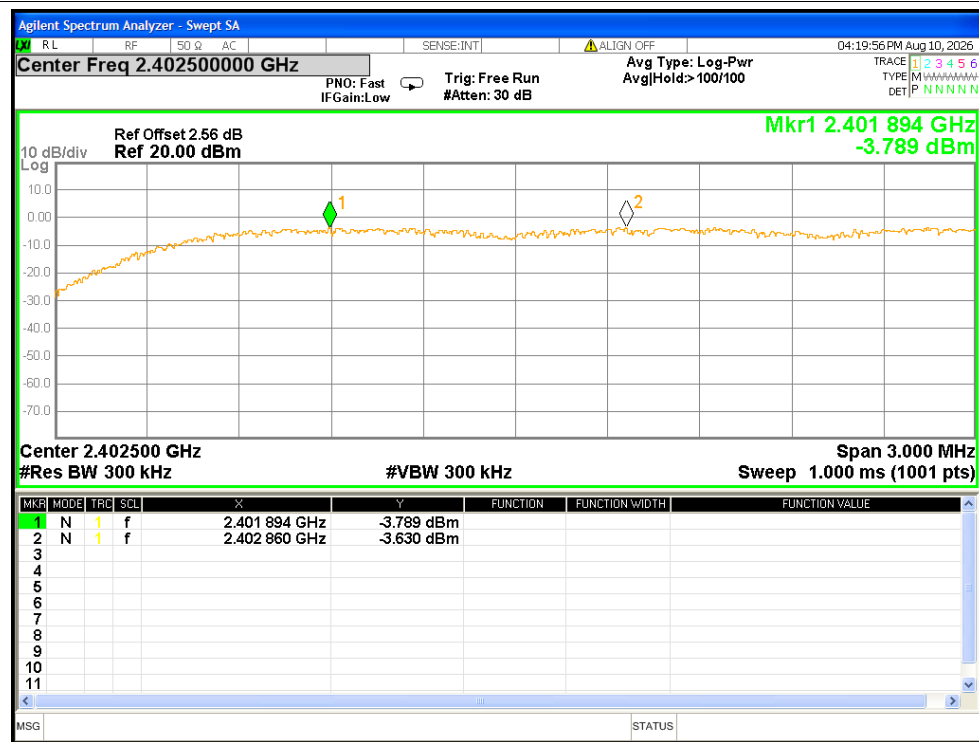
CFS NVNT 1-DH5 2441MHz



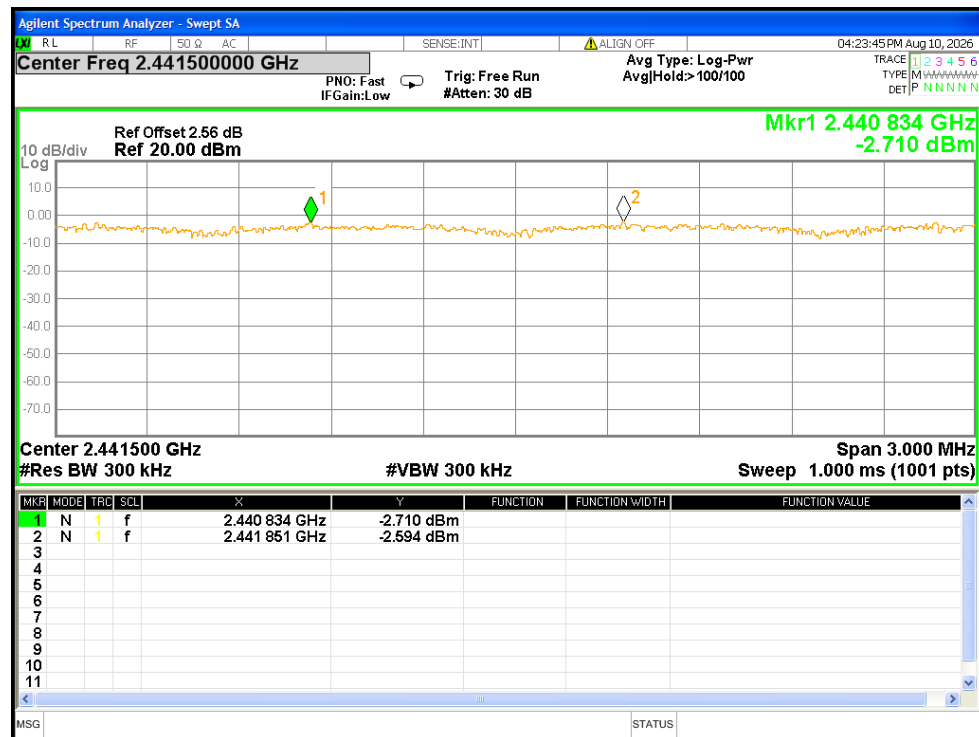
CFS NVNT 1-DH5 2480MHz



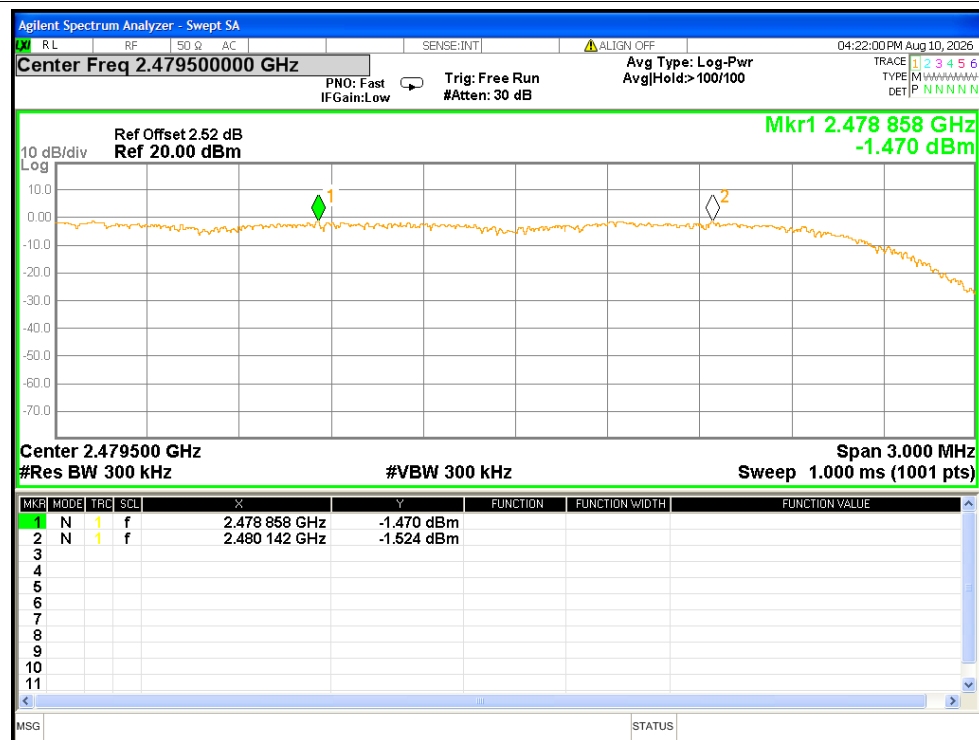
CFS NVNT 2-DH5 2402MHz



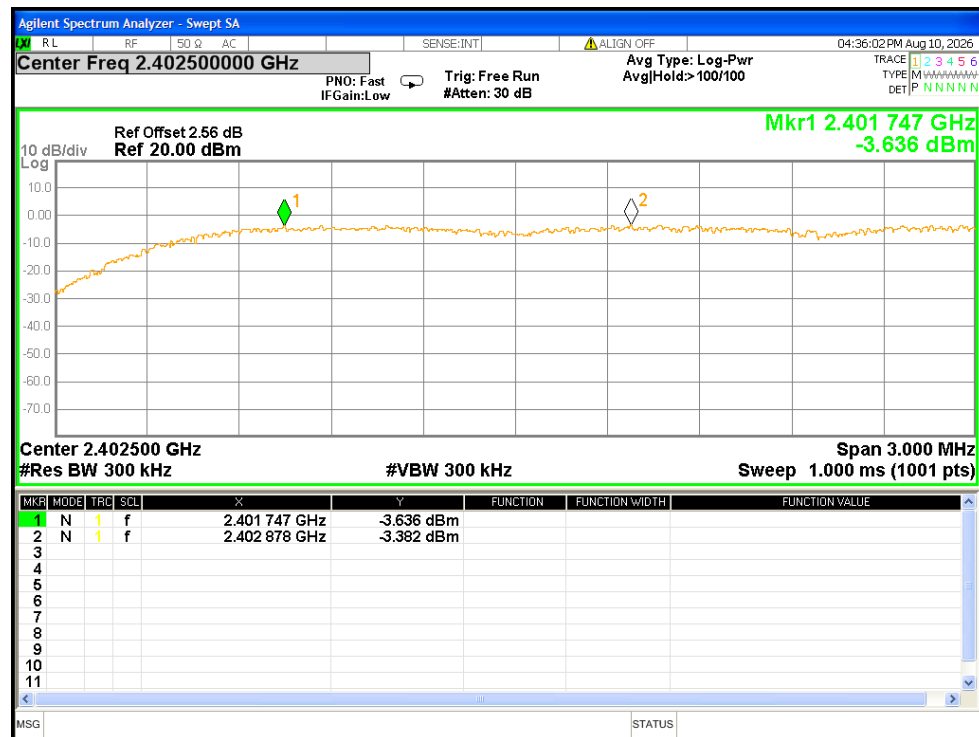
CFS NVNT 2-DH5 2441MHz



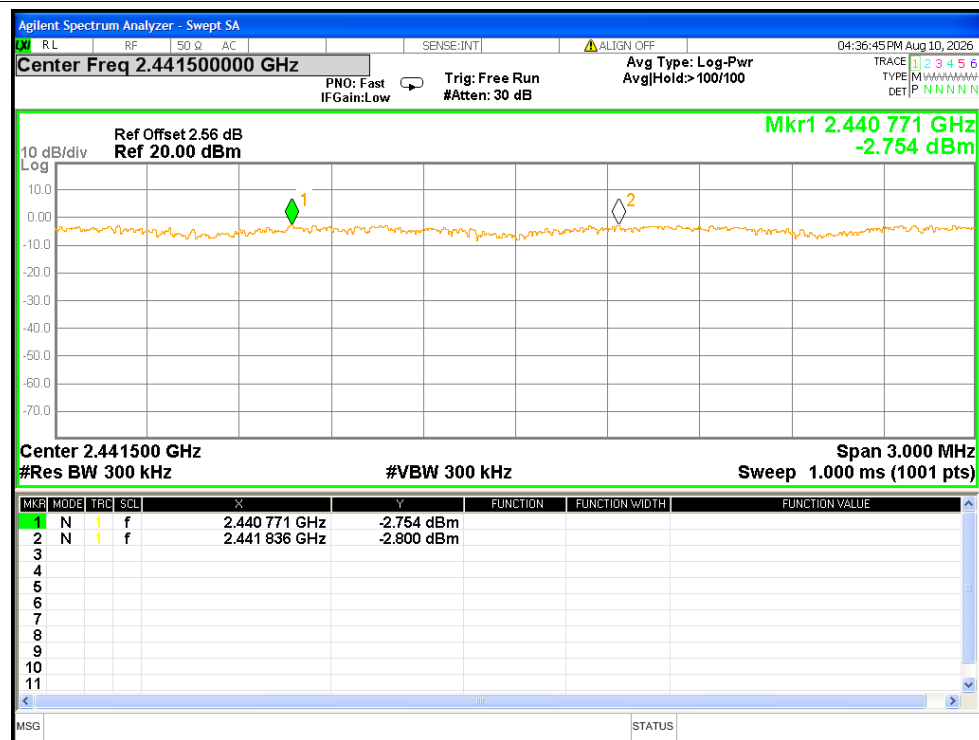
CFS NVNT 2-DH5 2480MHz



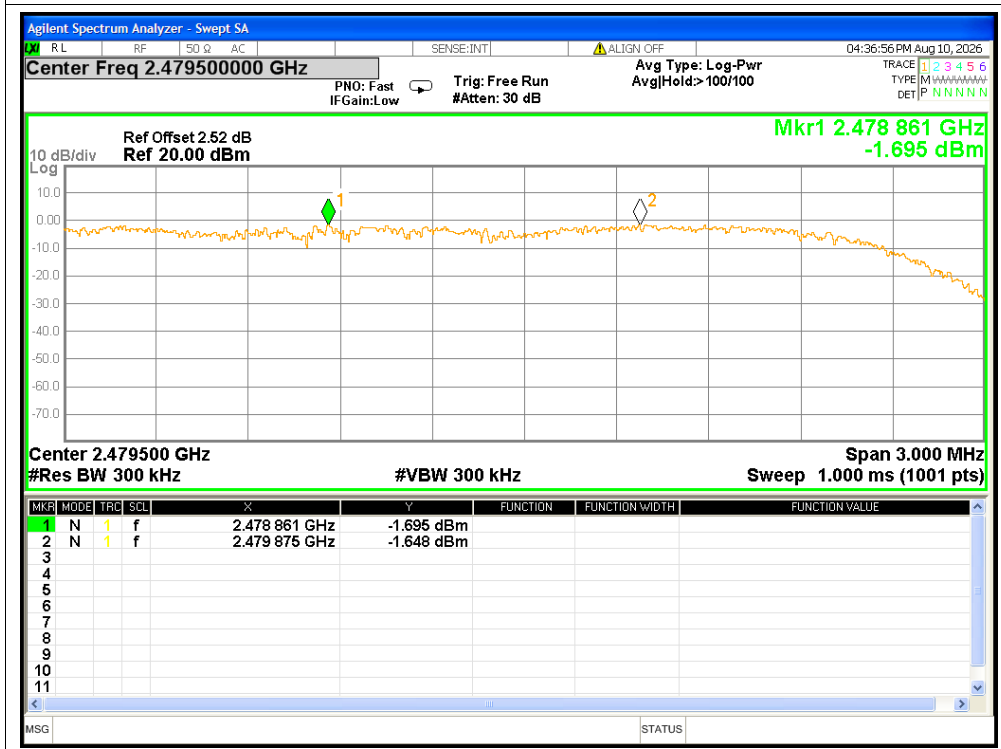
CFS NVNT 3-DH5 2402MHz



CFS NVNT 3-DH5 2441MHz



CFS NVNT 3-DH5 2480MHz



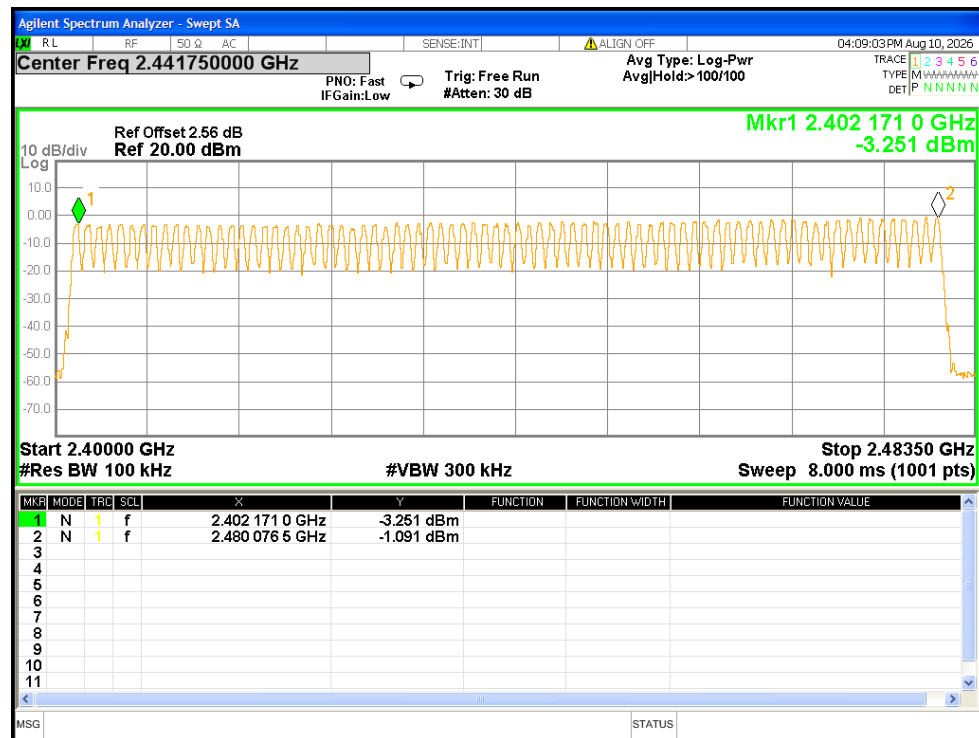
Number of Hopping Channel

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

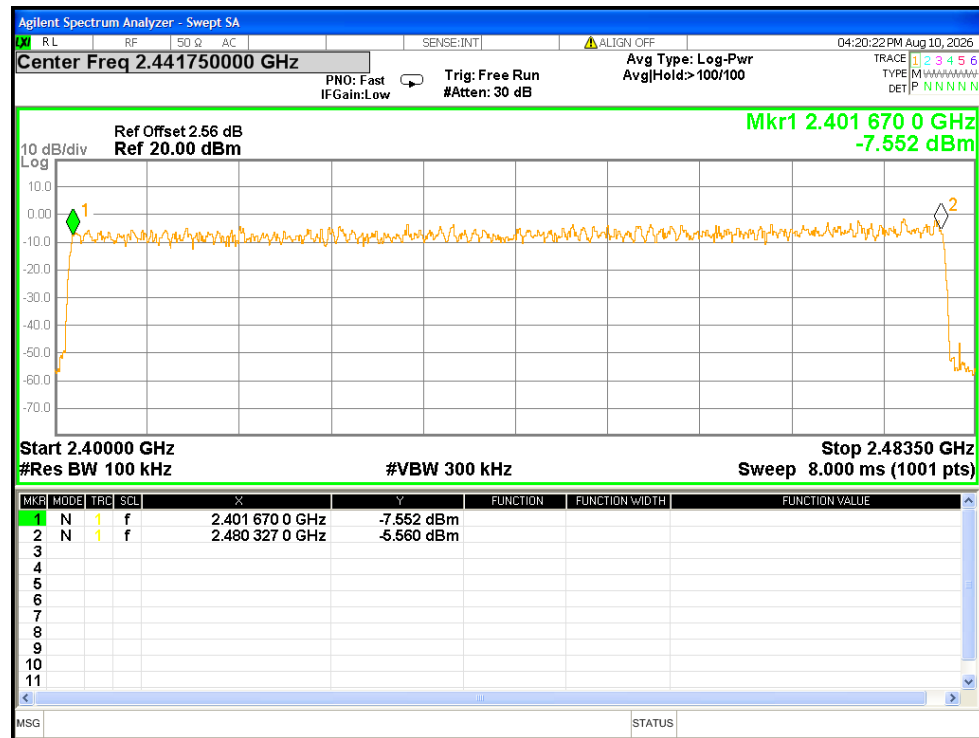
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

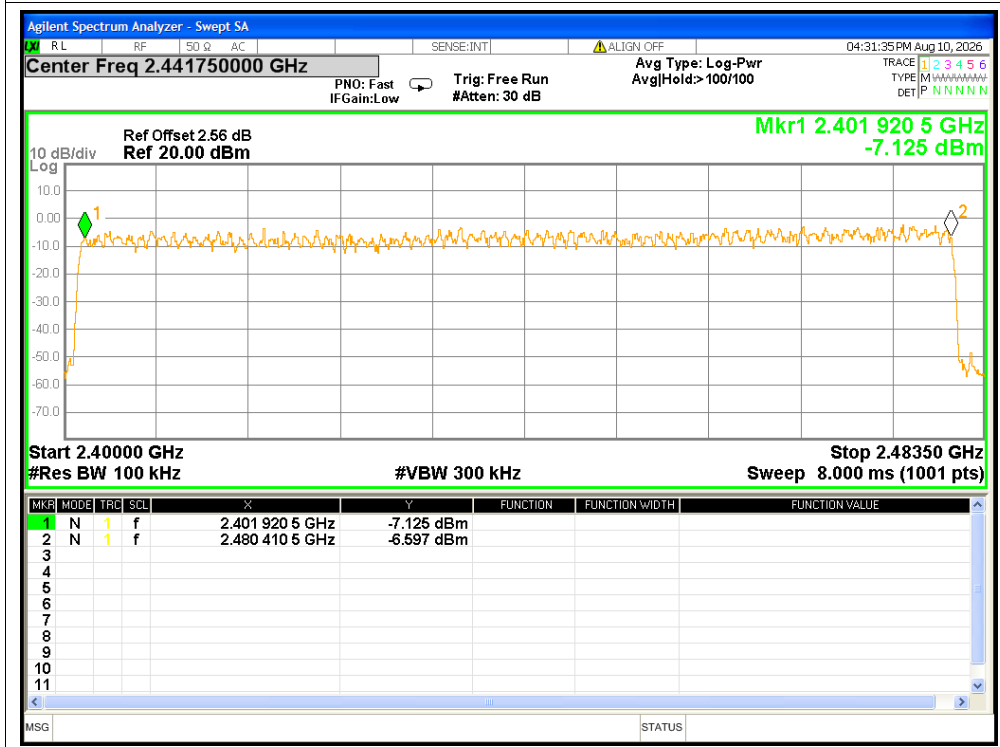
Hopping No. NVNT 1-DH5 Hopping



Hopping No. NVNT 2-DH5 Hopping



Hopping No. NVNT 3-DH5 Hopping



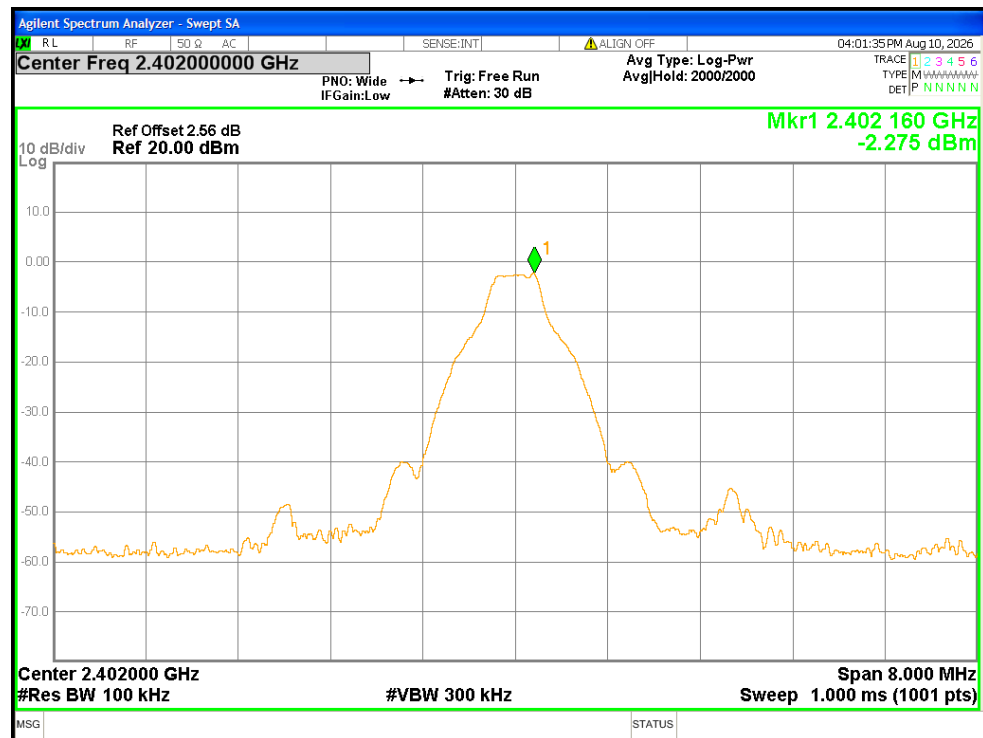
Band Edge

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-53.92	<=-20	Pass
NVNT	1-DH5	2480	No-Hopping	-54.25	<=-20	Pass
NVNT	2-DH5	2402	No-Hopping	-52.91	<=-20	Pass
NVNT	2-DH5	2480	No-Hopping	-45.39	<=-20	Pass
NVNT	3-DH5	2402	No-Hopping	-52.99	<=-20	Pass
NVNT	3-DH5	2480	No-Hopping	-51.71	<=-20	Pass

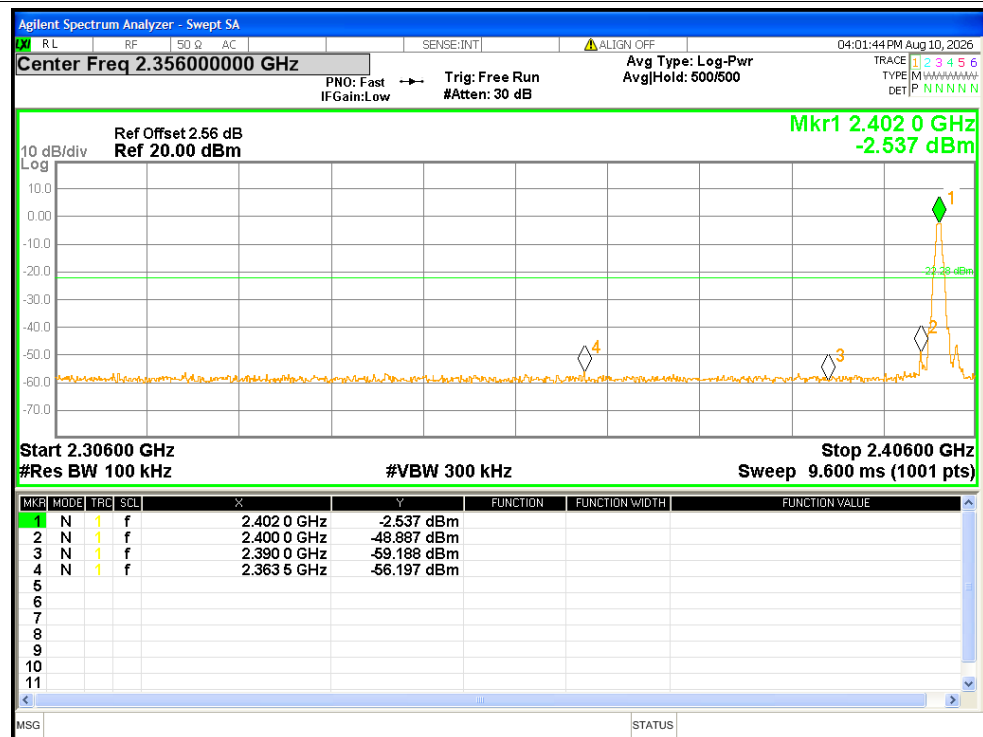
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

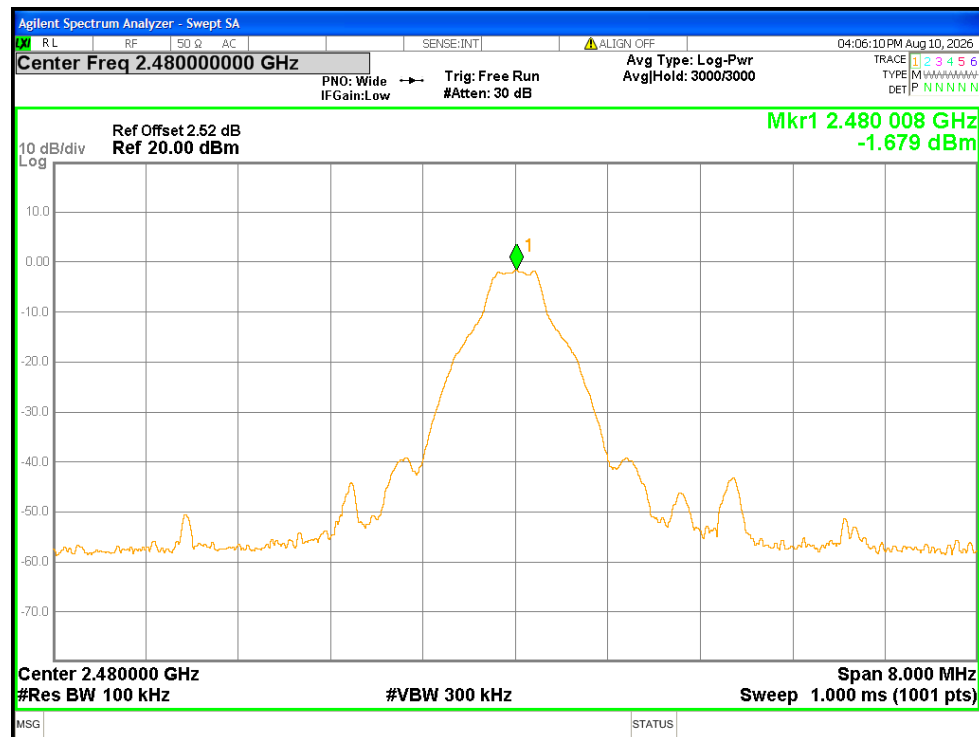
Band Edge NVNT 1-DH5 2402MHz No-Hopping Ref



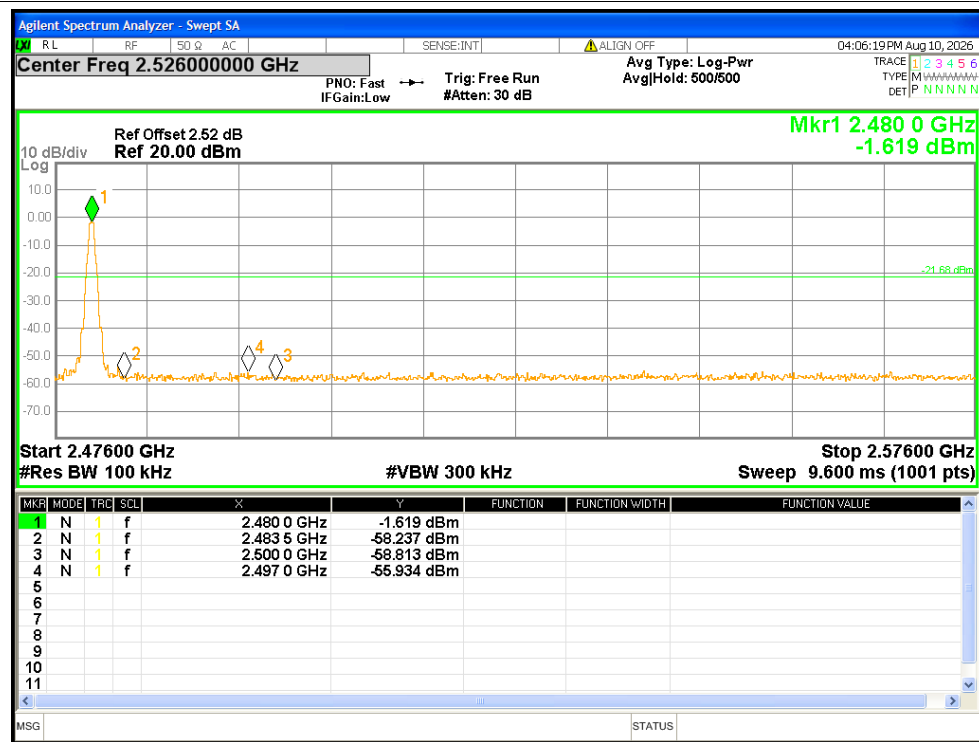
Band Edge NVNT 1-DH5 2402MHz No-Hopping Emission



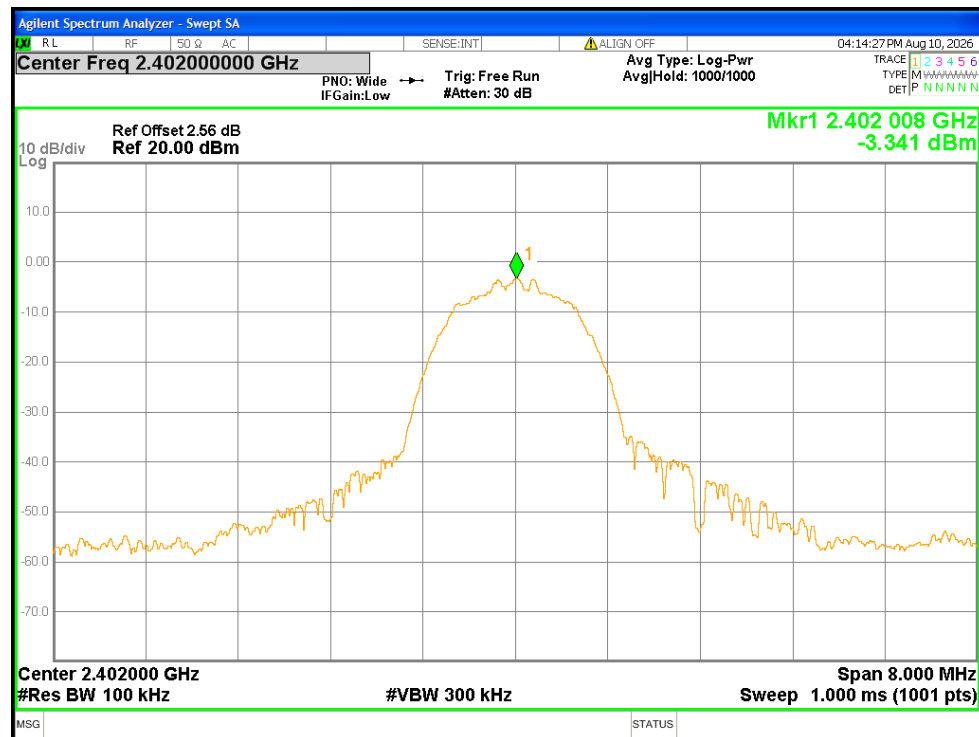
Band Edge NVNT 1-DH5 2480MHz No-Hopping Ref



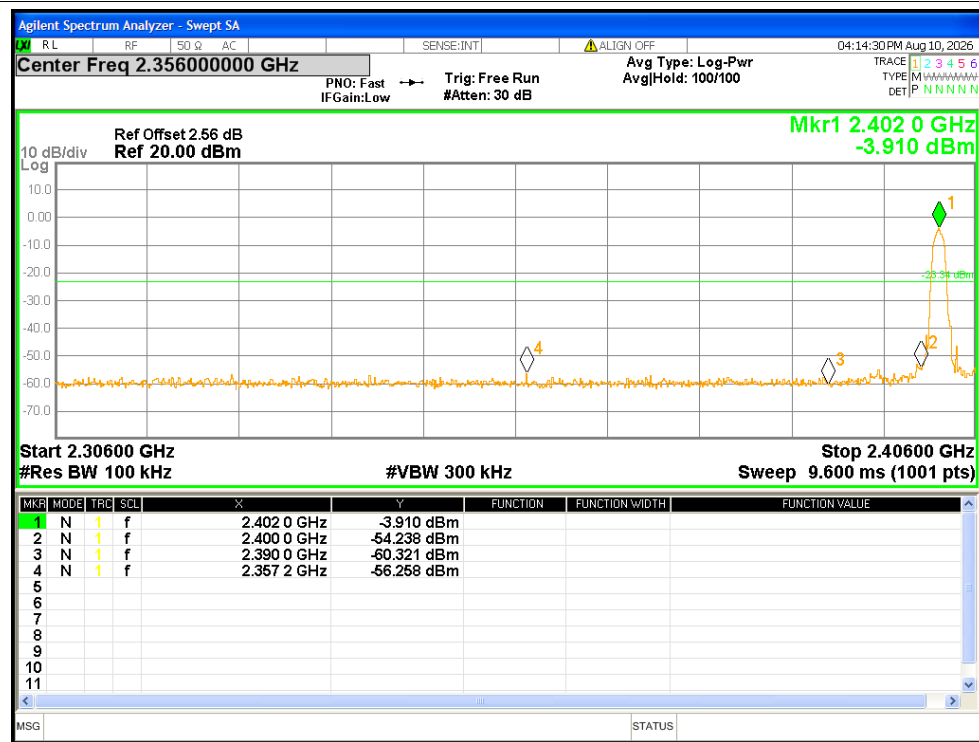
Band Edge NVNT 1-DH5 2480MHz No-Hopping Emission



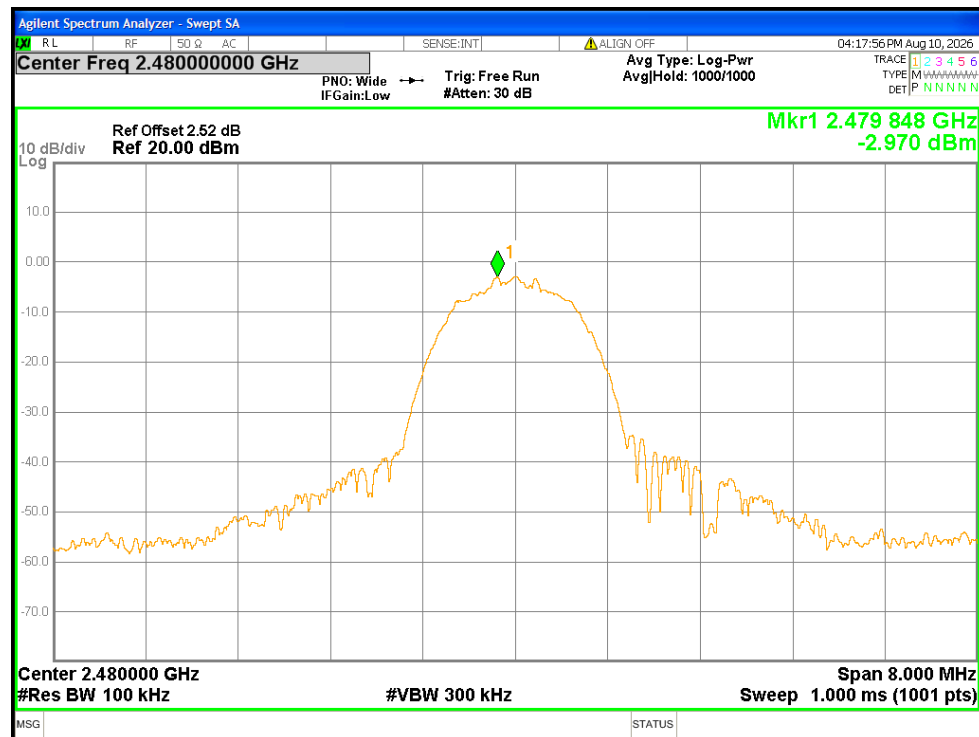
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



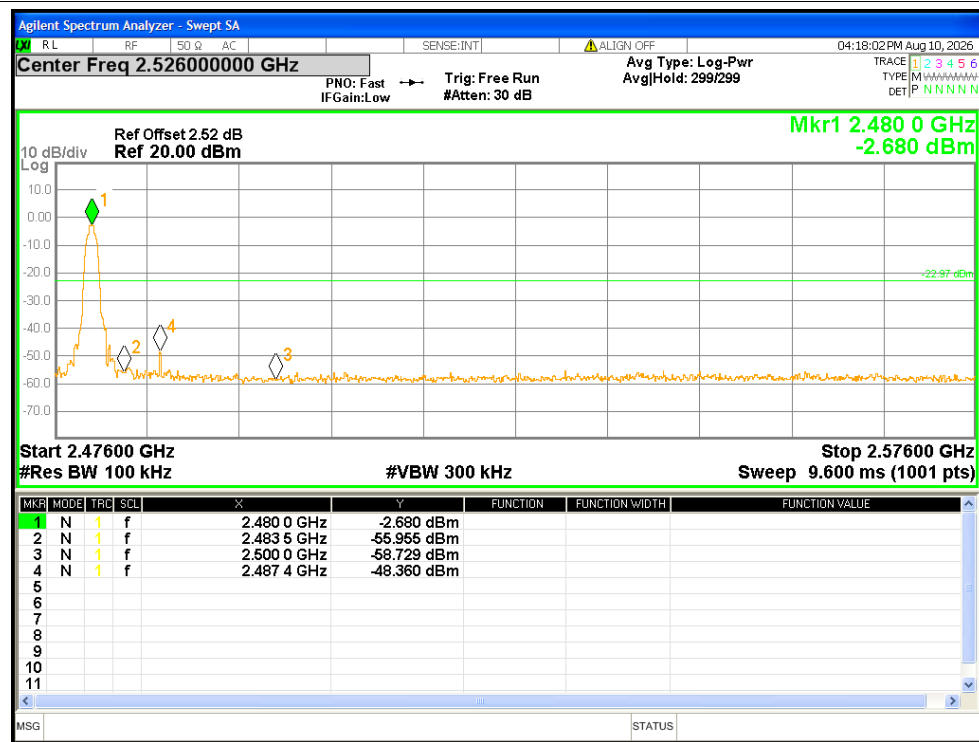
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



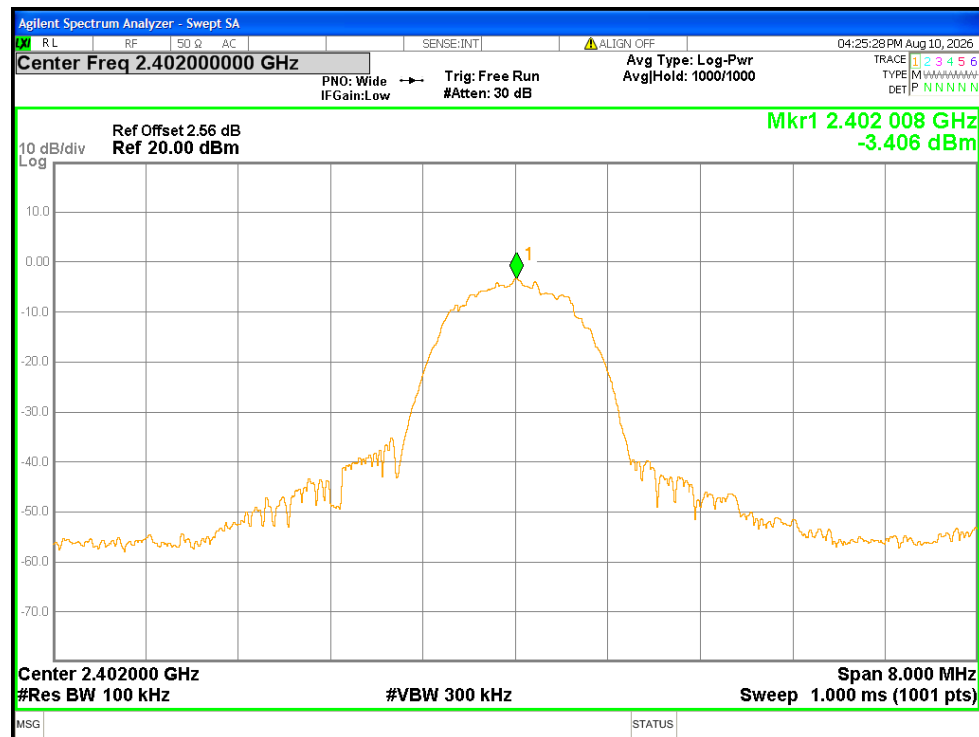
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



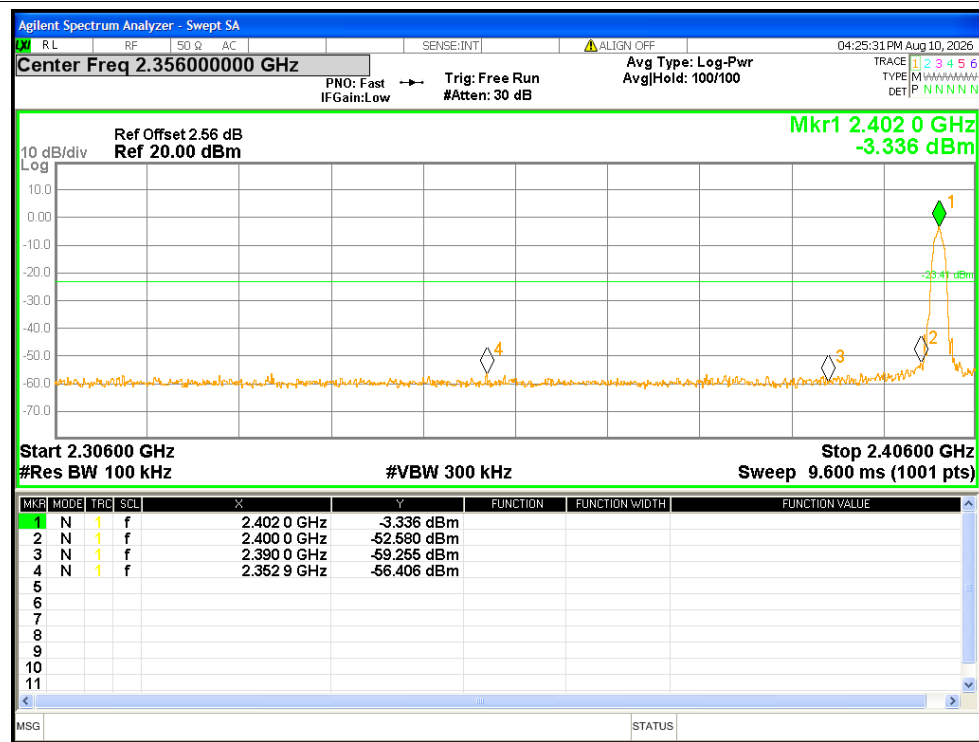
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



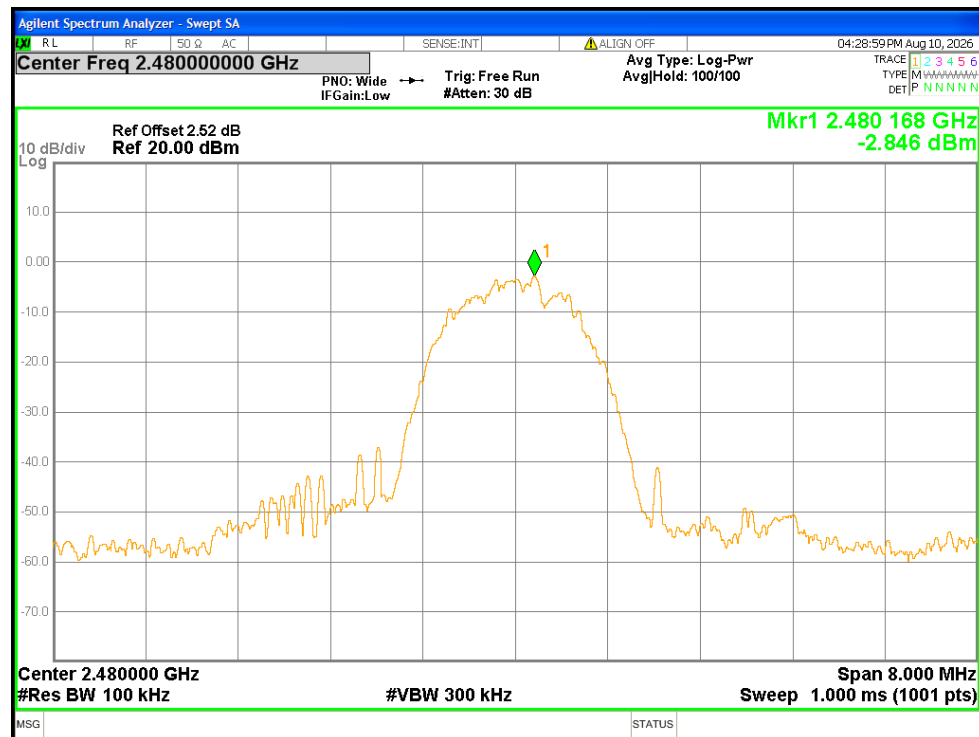
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



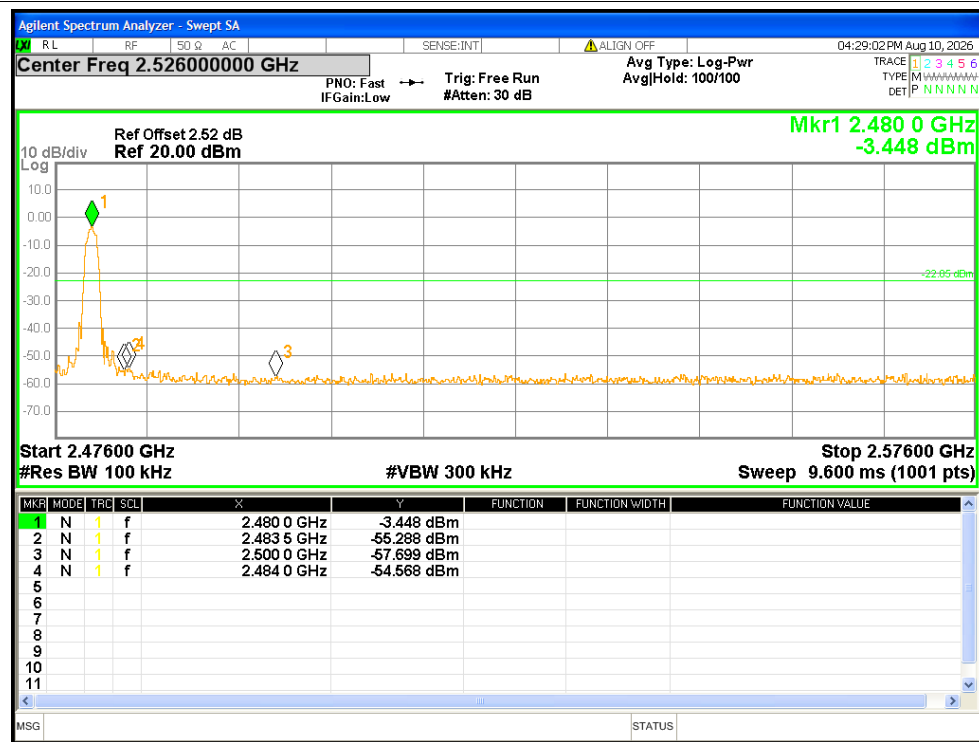
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



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



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



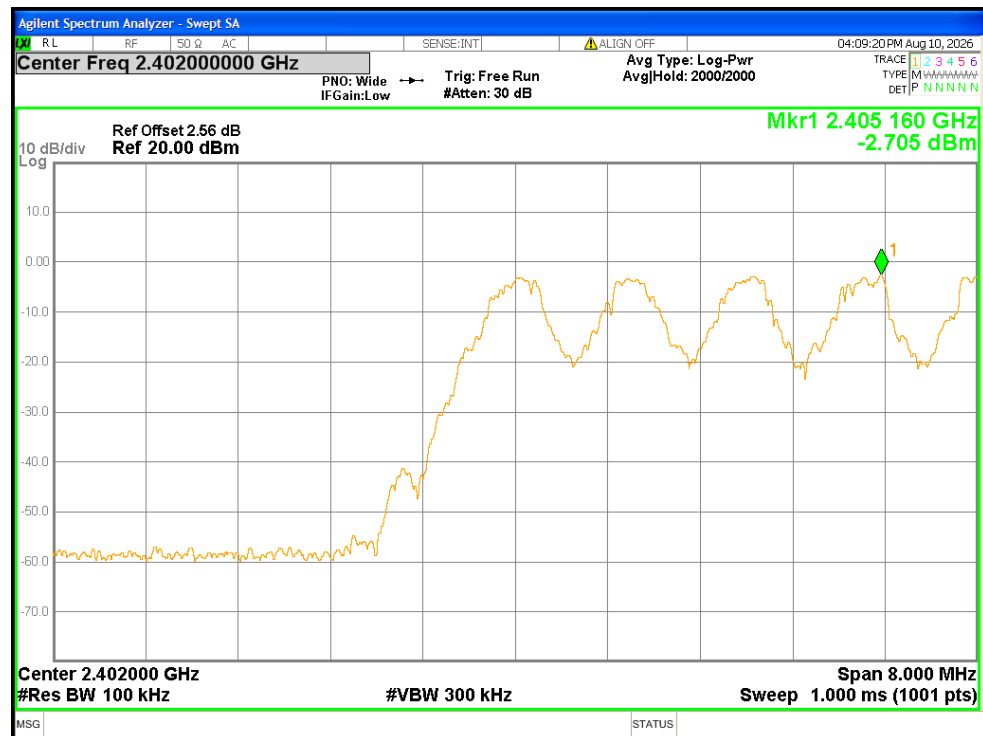
Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-52.43	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-54.1	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-50.04	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-52.12	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-51.58	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-52.66	<=-20	Pass

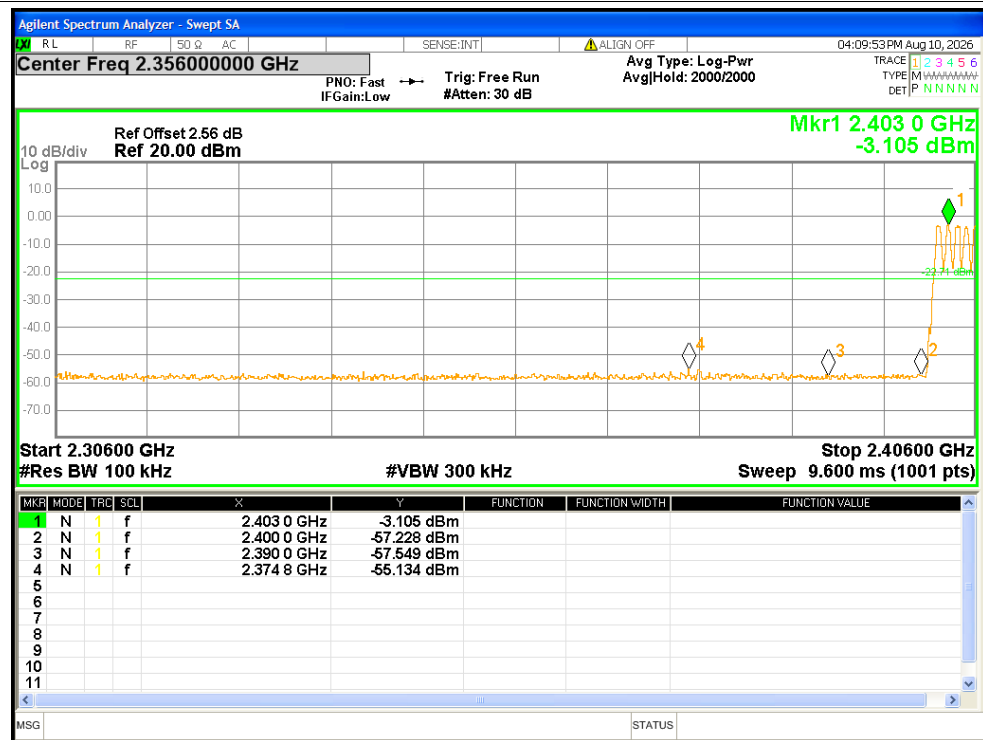
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

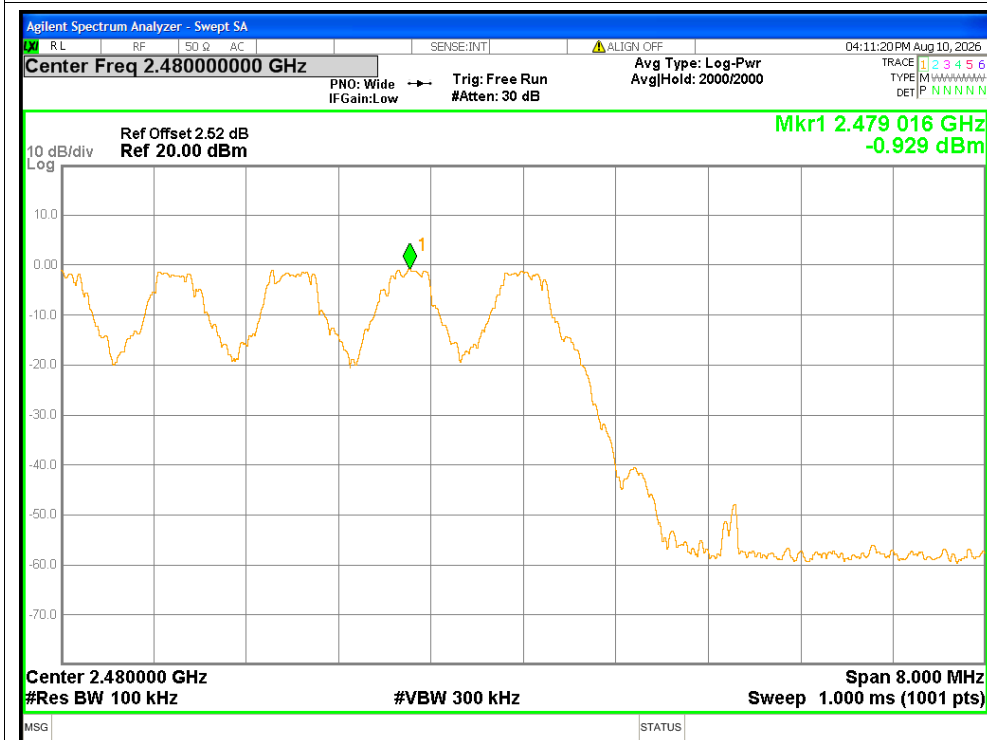
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



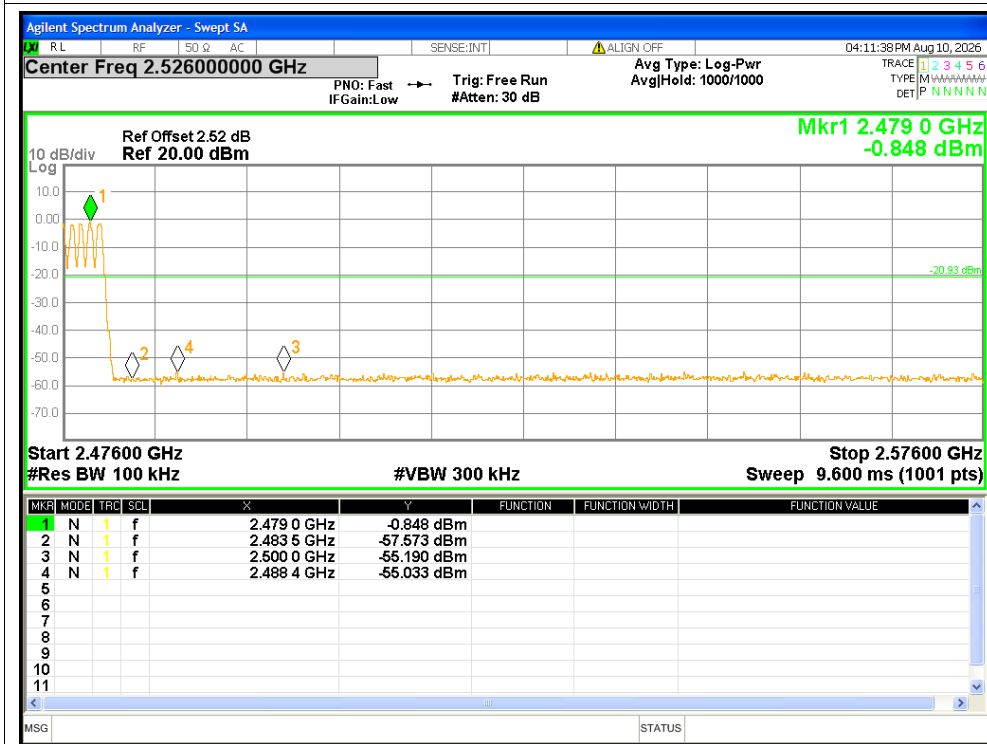
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



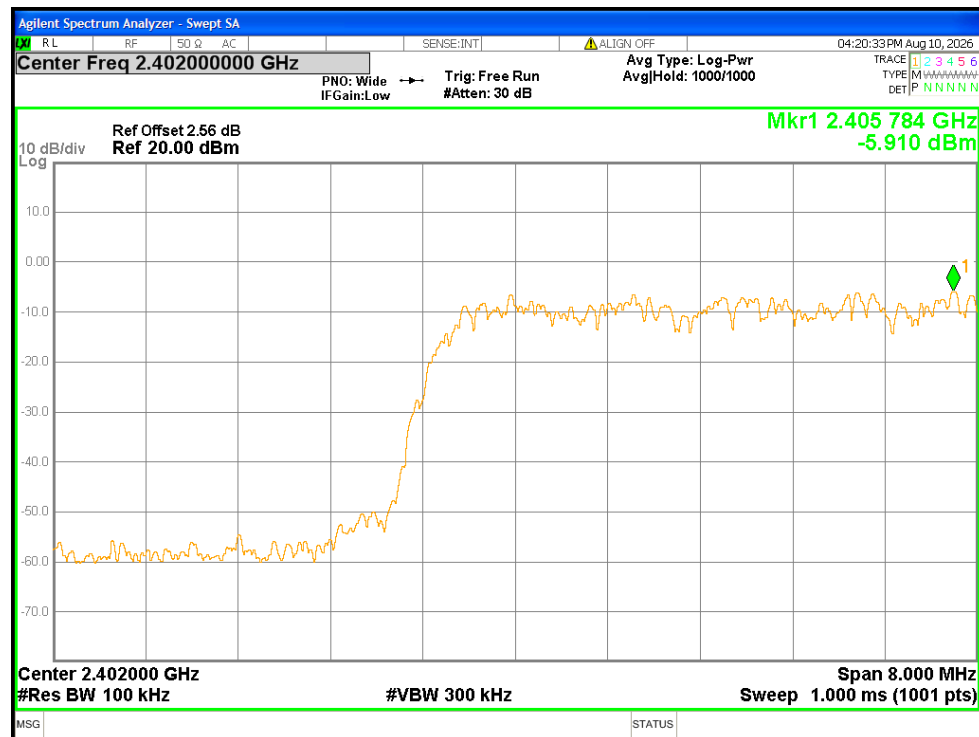
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



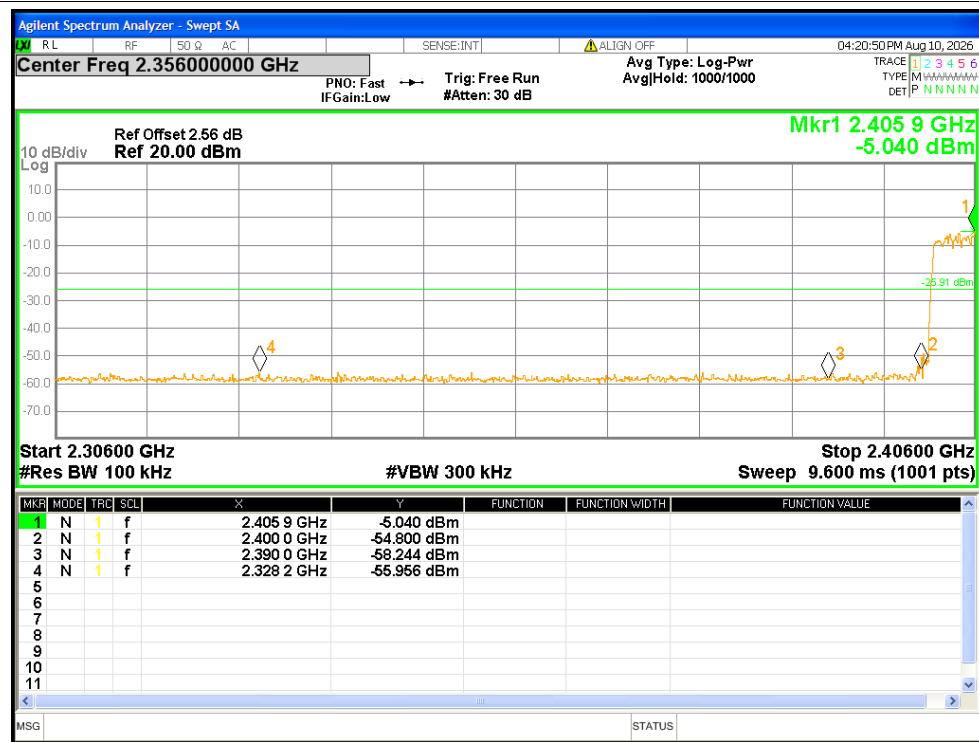
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



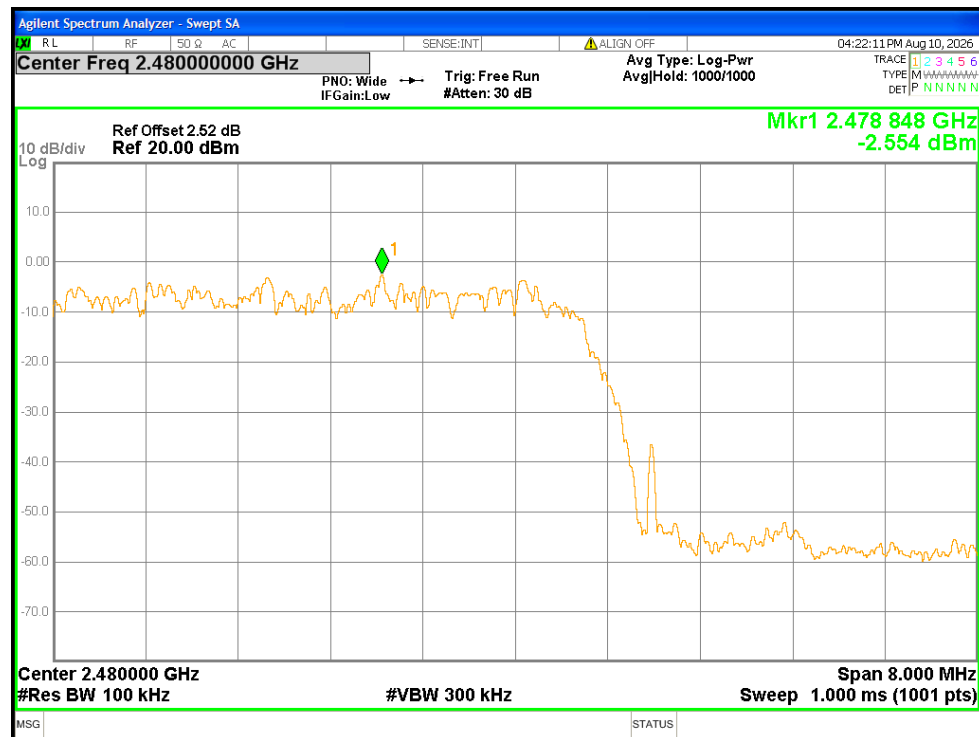
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



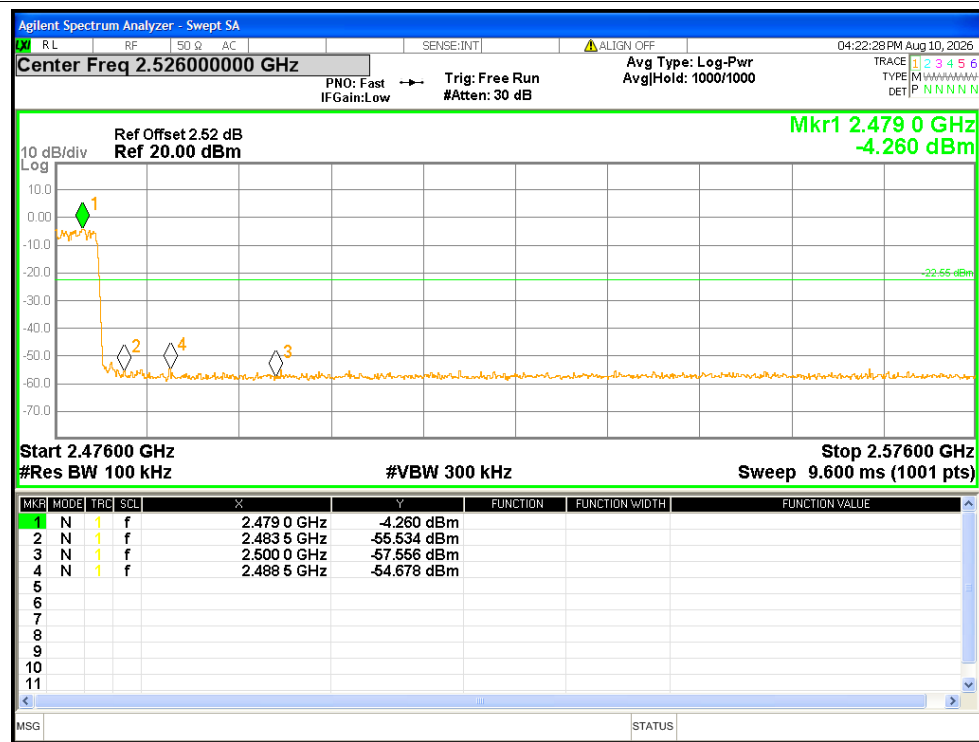
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



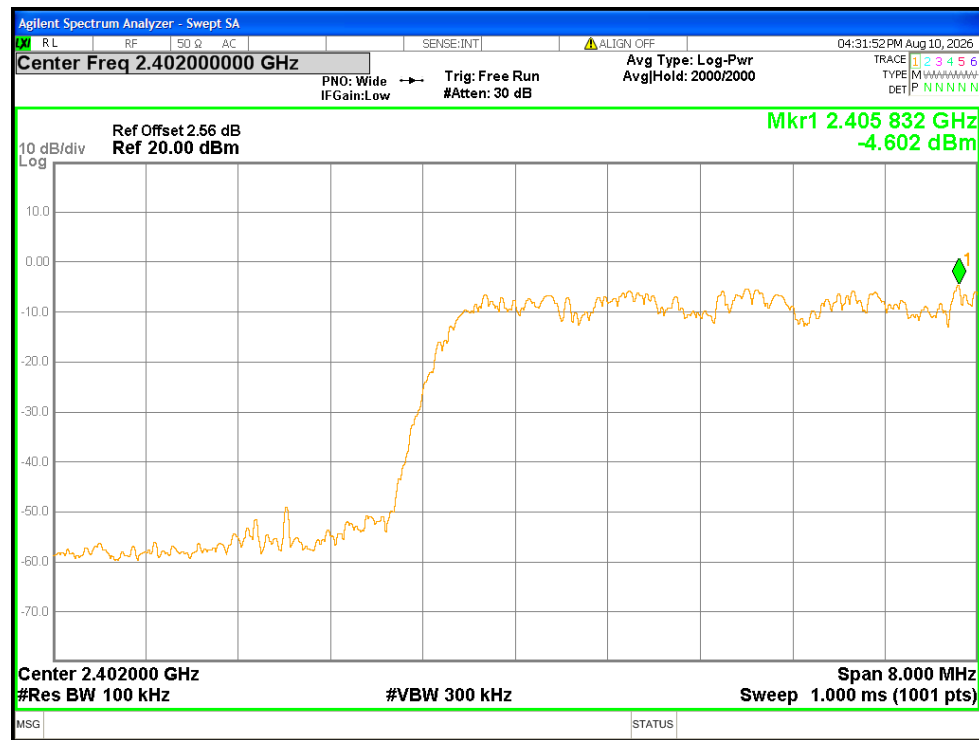
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref



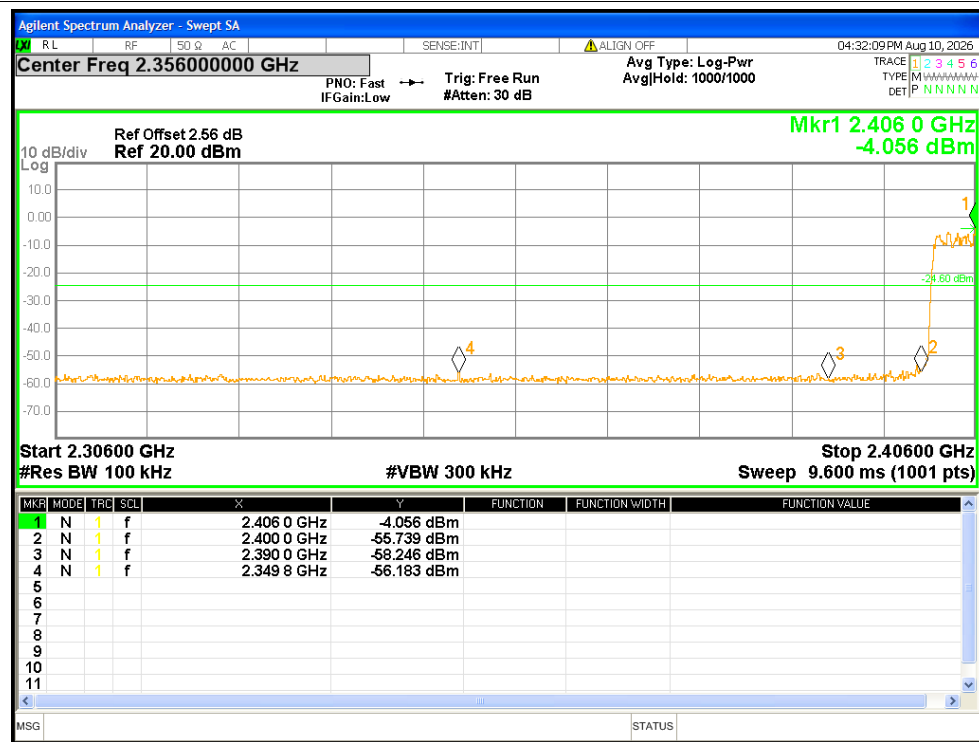
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



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

The screenshot displays the interface of an Agilent Spectrum Analyzer. The main display area shows a frequency spectrum plot with a yellow trace. The plot has a grid with a vertical axis from -70.0 to 10.0 dBm and a horizontal axis from 2.470 to 2.485 GHz. A sharp signal is visible at 2.476 GHz, marked with a green diamond and the number '1'. The signal level drops sharply after 2.478 GHz. The top of the screen shows various settings: Center Freq 2.480000000 GHz, PNO: Wide, IF Gain: Low, Trig: Free Run, #Atten: 30 dB, Avg Type: Log-Pwr, and Avg Hold: 2000/2000. The bottom of the screen shows: Center 2.480000 GHz, #Res BW 100 kHz, #VBW 300 kHz, Span 8.000 MHz, and Sweep 1.000 ms (1001 pts).

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN OFF 04:33:31 PM Aug 10, 2026

Center Freq 2.480000000 GHz PNO: Wide IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg Hold: 2000/2000

TRACE 1 2 3 4 5 6
TYPE M H N N N N N N
DET P N N N N N N

10 dB/div
Log

Ref Offset 2.52 dB
Ref 20.00 dBm

Mkr1 2.476 160 GHz
-1.424 dBm

Center 2.480000 GHz Span 8.000 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

MSG STATUS

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

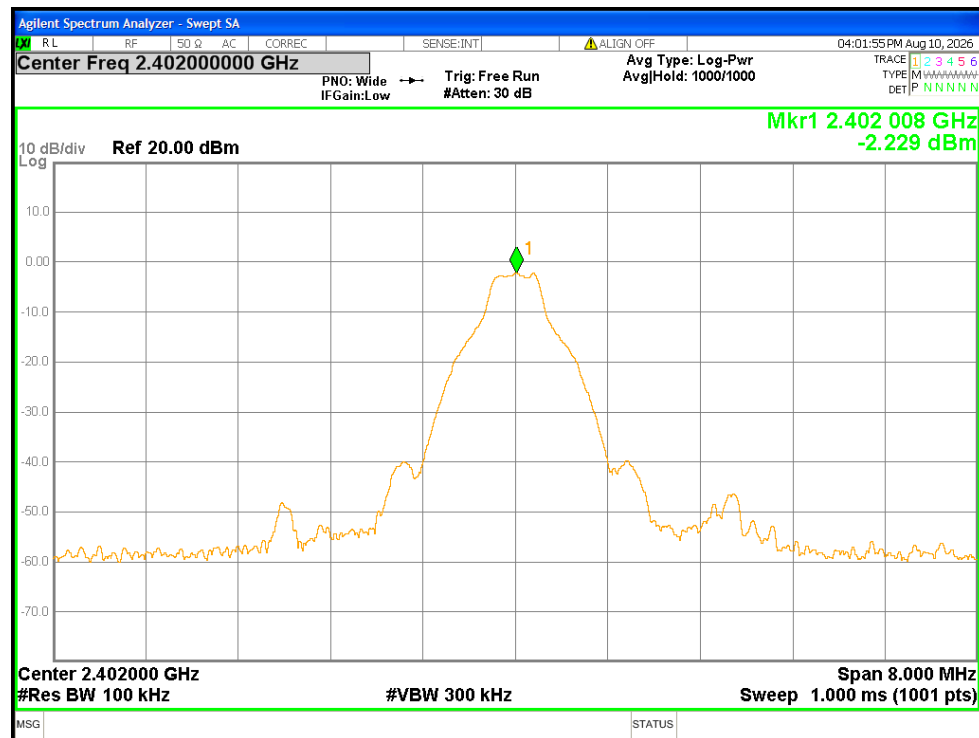
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-37.23	<=-20	Pass
NVNT	1-DH5	2441	-37.68	<=-20	Pass
NVNT	1-DH5	2480	-37.75	<=-20	Pass
NVNT	2-DH5	2402	-35.63	<=-20	Pass
NVNT	2-DH5	2441	-35.76	<=-20	Pass
NVNT	2-DH5	2480	-36.39	<=-20	Pass
NVNT	3-DH5	2402	-37.22	<=-20	Pass
NVNT	3-DH5	2441	-36.26	<=-20	Pass
NVNT	3-DH5	2480	-35	<=-20	Pass

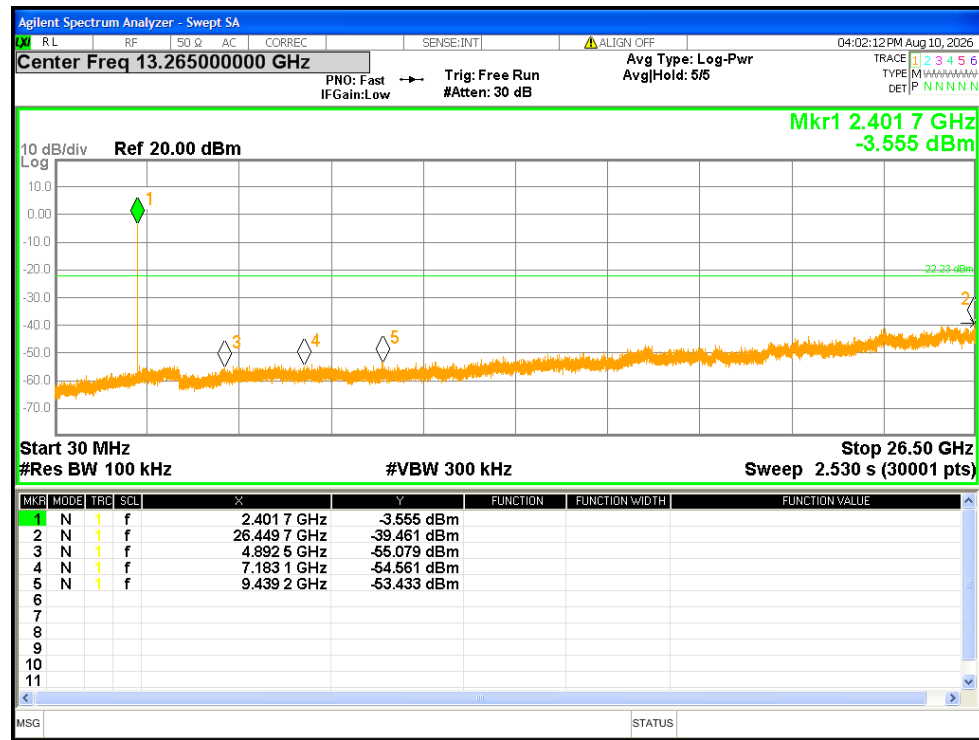
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

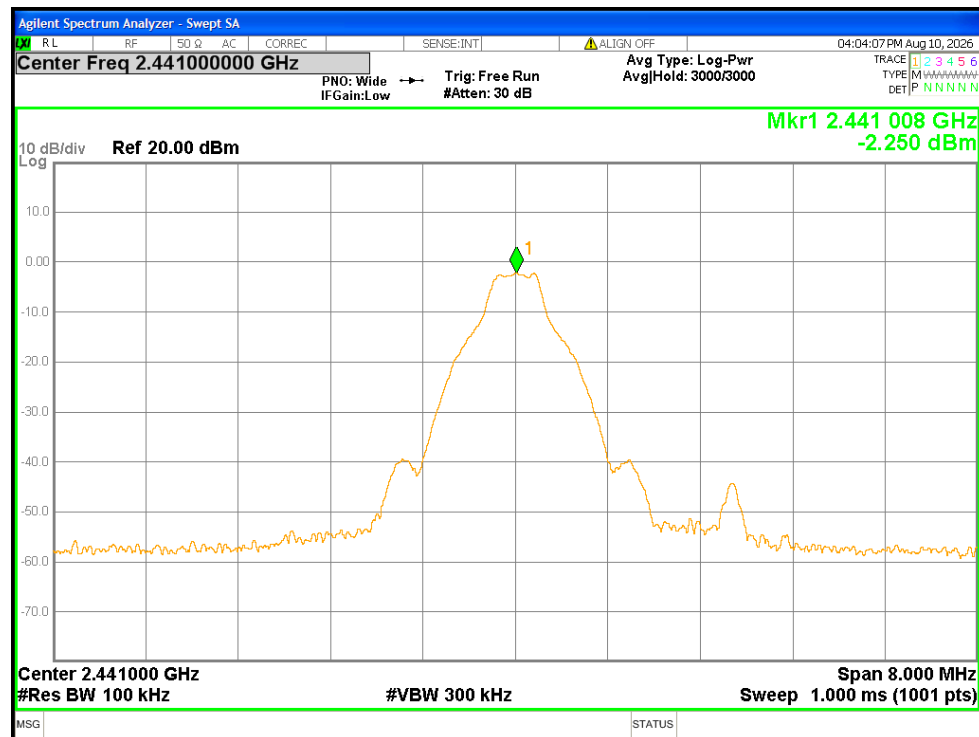
Tx. Spurious NVNT 1-DH5 2402MHz Ref



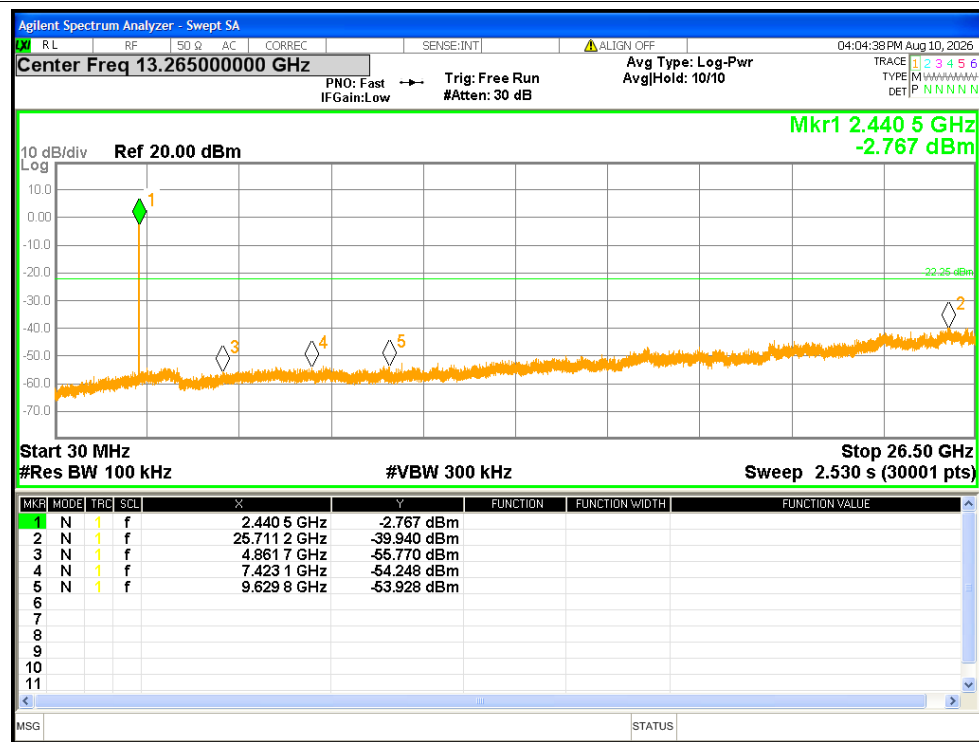
Tx. Spurious NVNT 1-DH5 2402MHz Emission



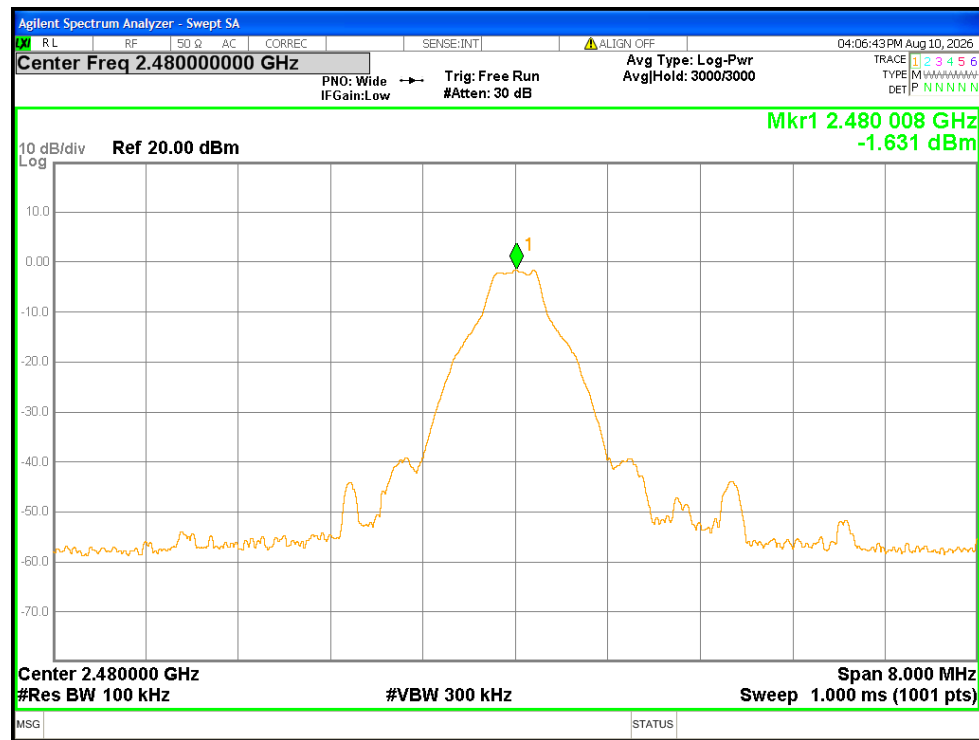
Tx. Spurious NVNT 1-DH5 2441MHz Ref



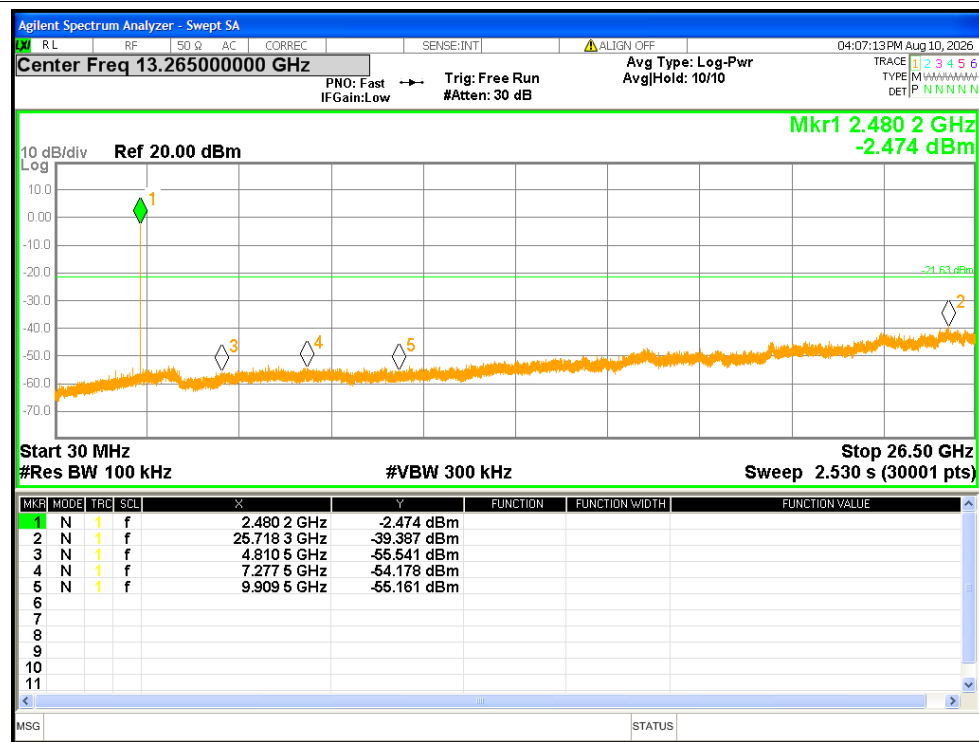
Tx. Spurious NVNT 1-DH5 2441MHz Emission



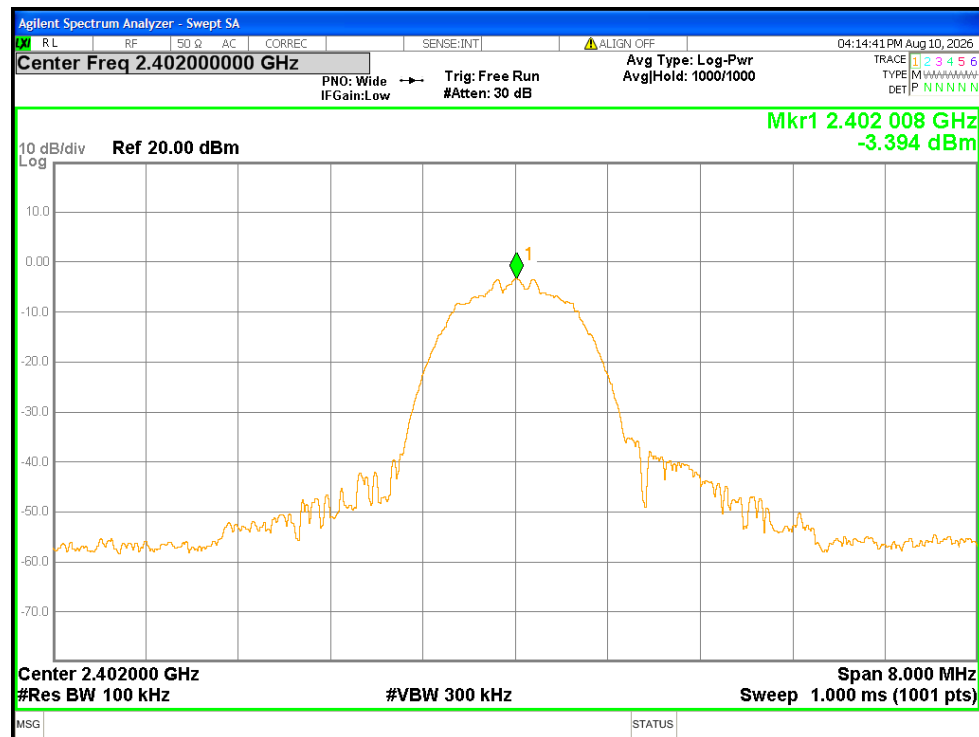
Tx. Spurious NVNT 1-DH5 2480MHz Ref



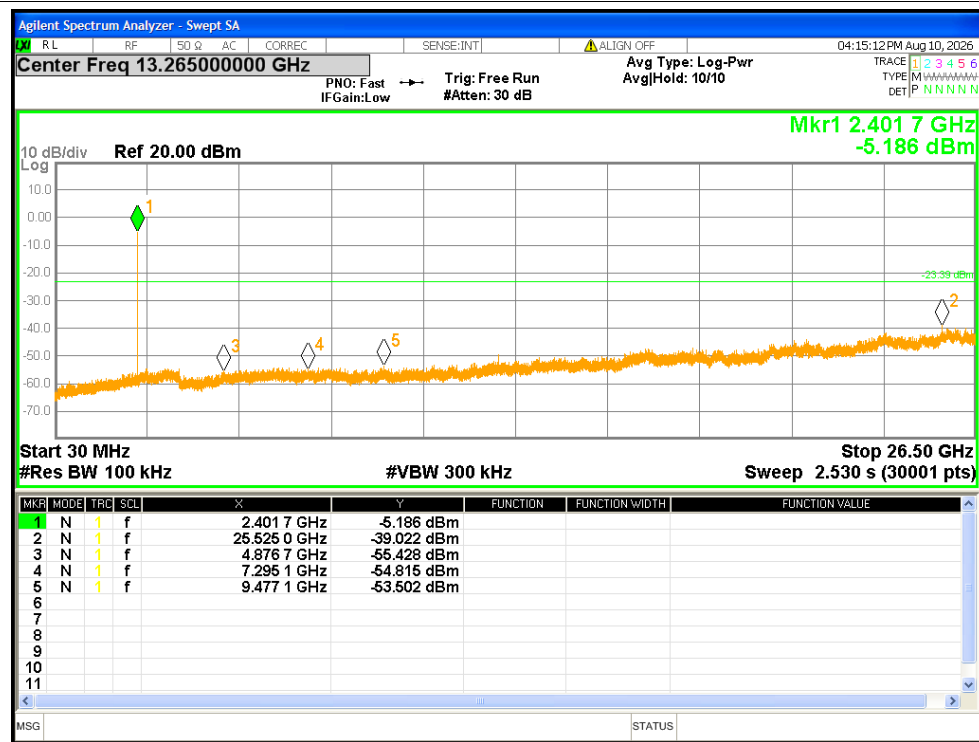
Tx. Spurious NVNT 1-DH5 2480MHz Emission



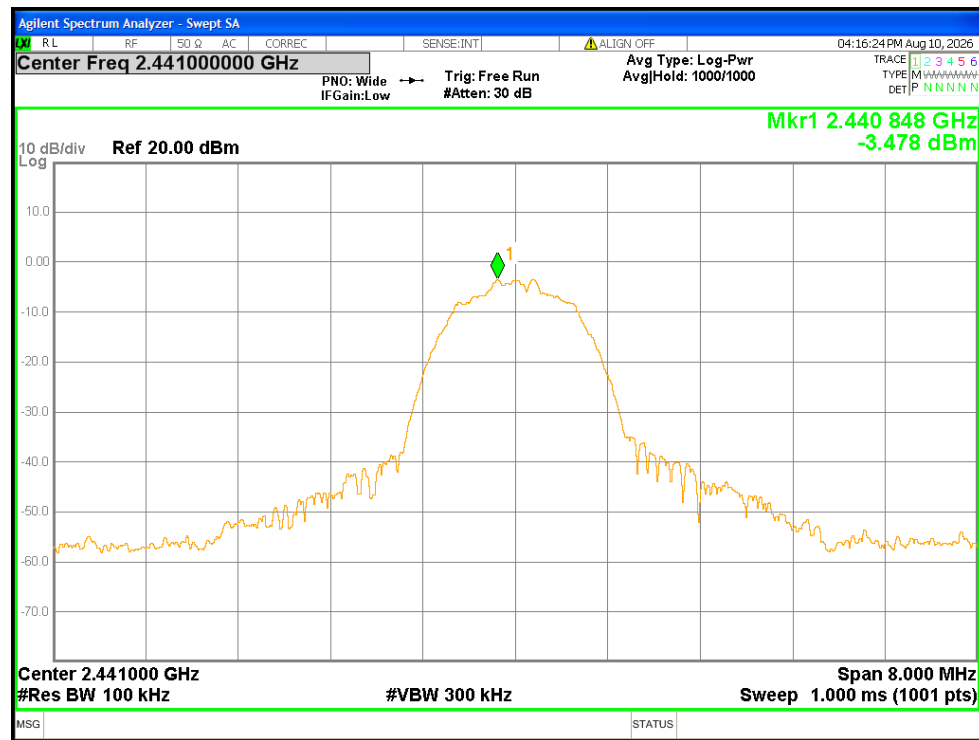
Tx. Spurious NVNT 2-DH5 2402MHz Ref



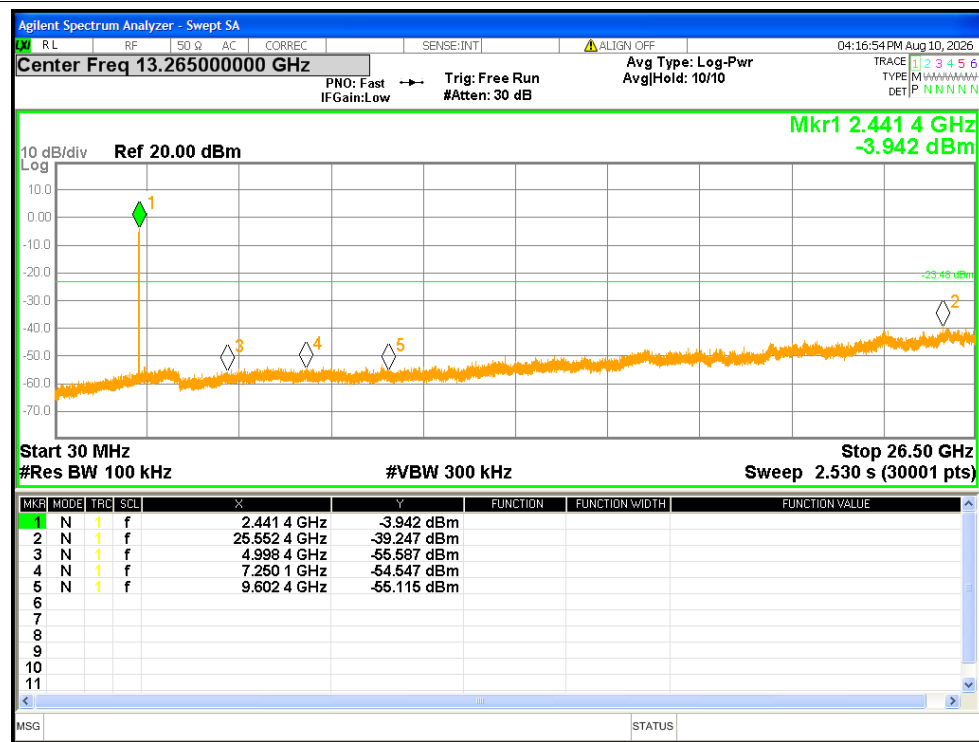
Tx. Spurious NVNT 2-DH5 2402MHz Emission



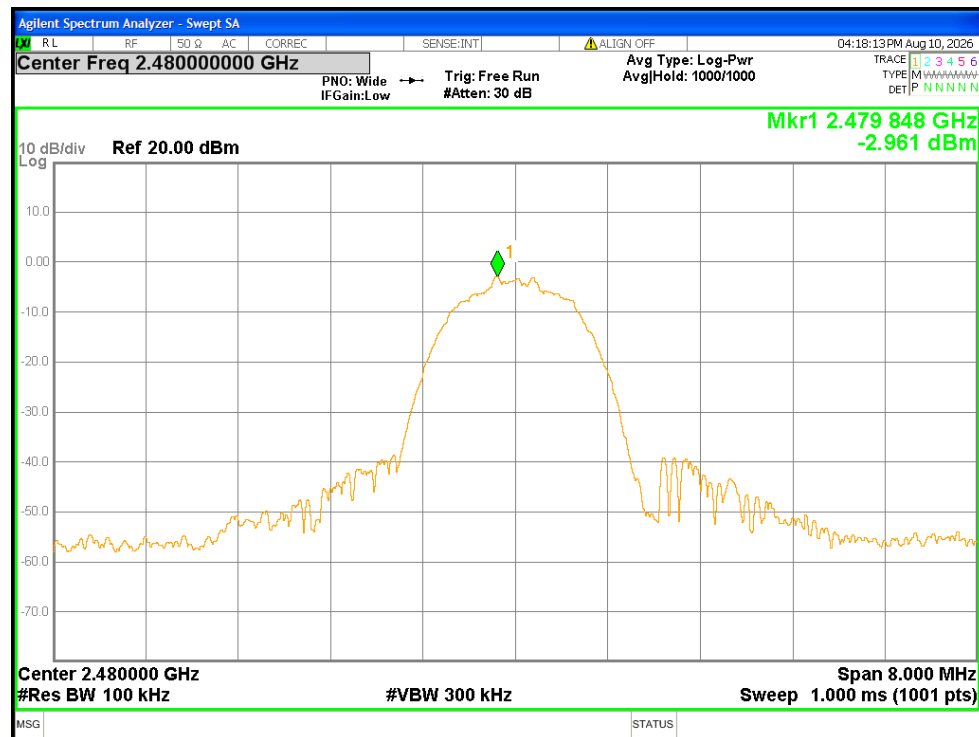
Tx. Spurious NVNT 2-DH5 2441MHz Ref



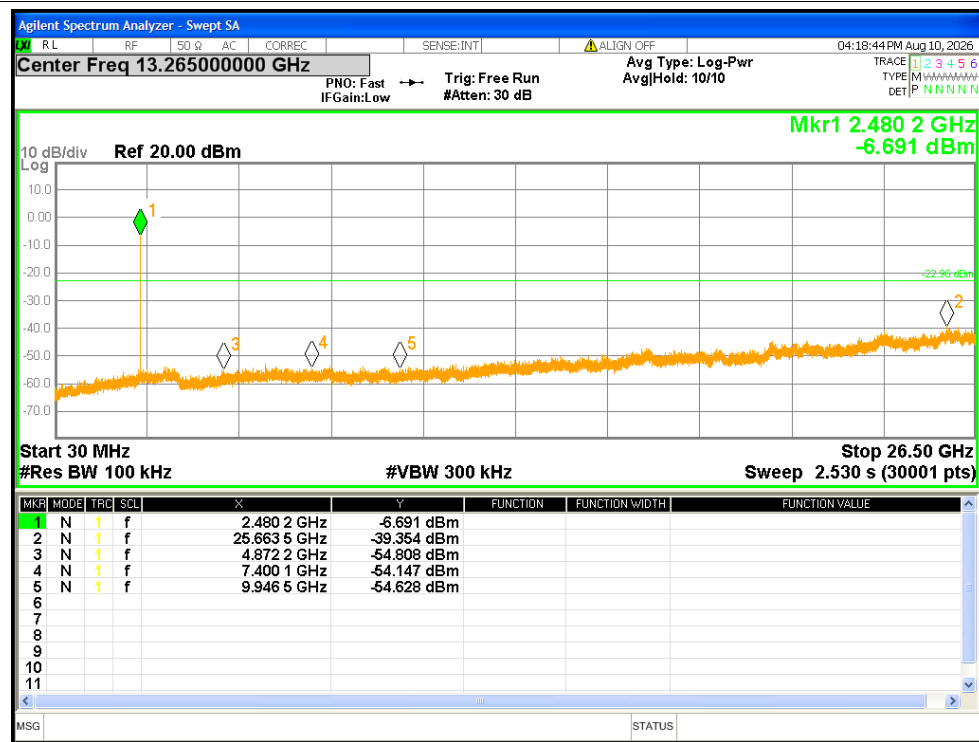
Tx. Spurious NVNT 2-DH5 2441MHz Emission



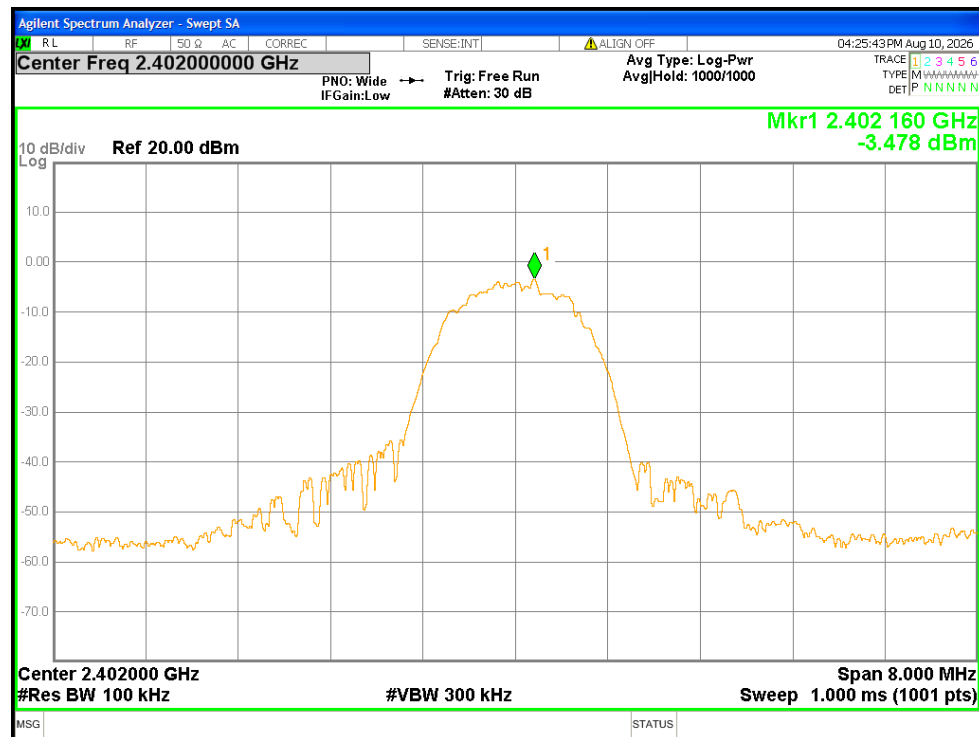
Tx. Spurious NVNT 2-DH5 2480MHz Ref



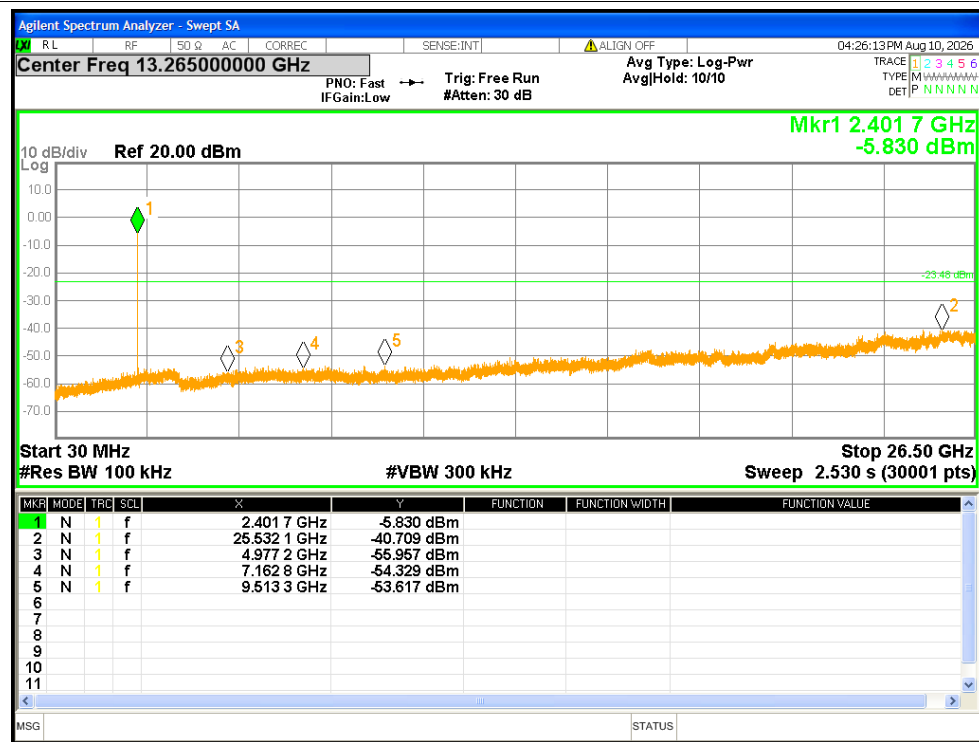
Tx. Spurious NVNT 2-DH5 2480MHz Emission



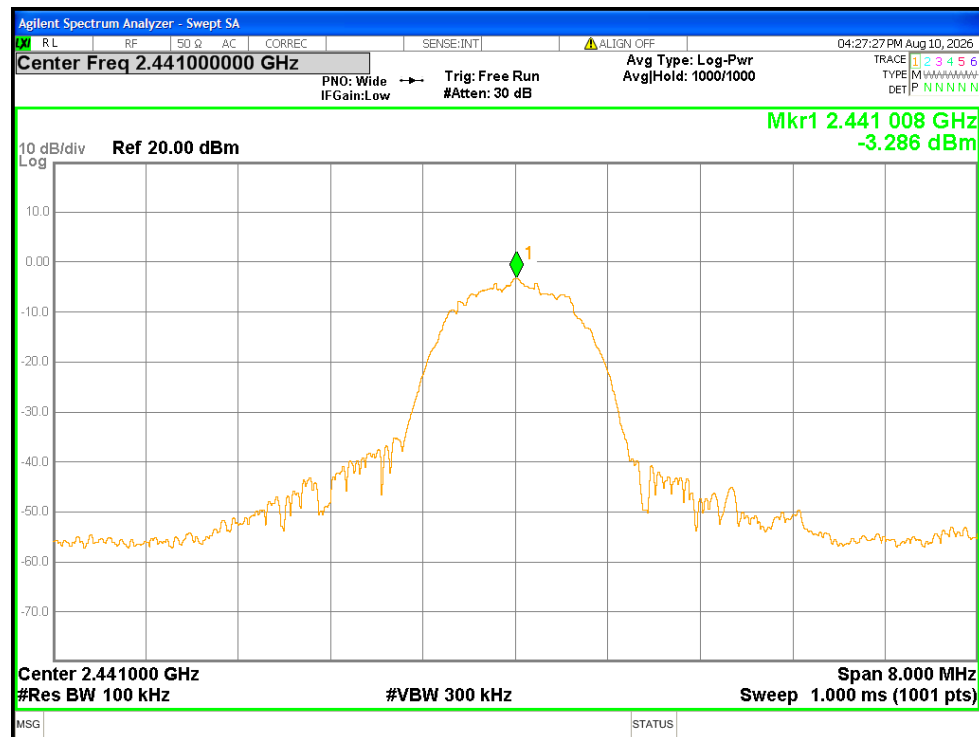
Tx. Spurious NVNT 3-DH5 2402MHz Ref



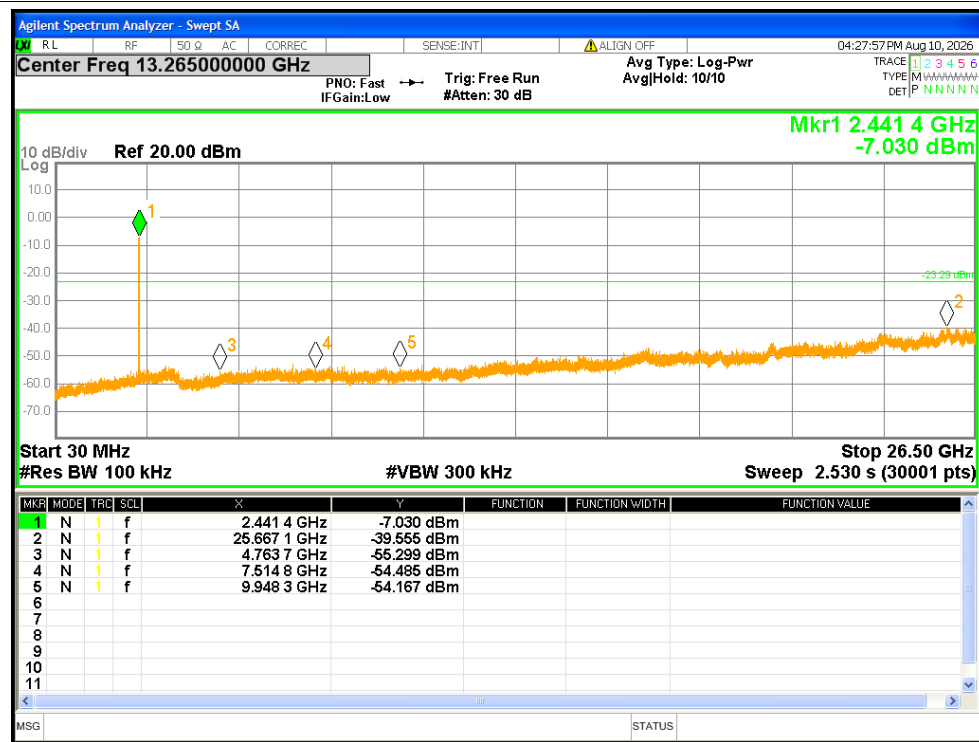
Tx. Spurious NVNT 3-DH5 2402MHz Emission



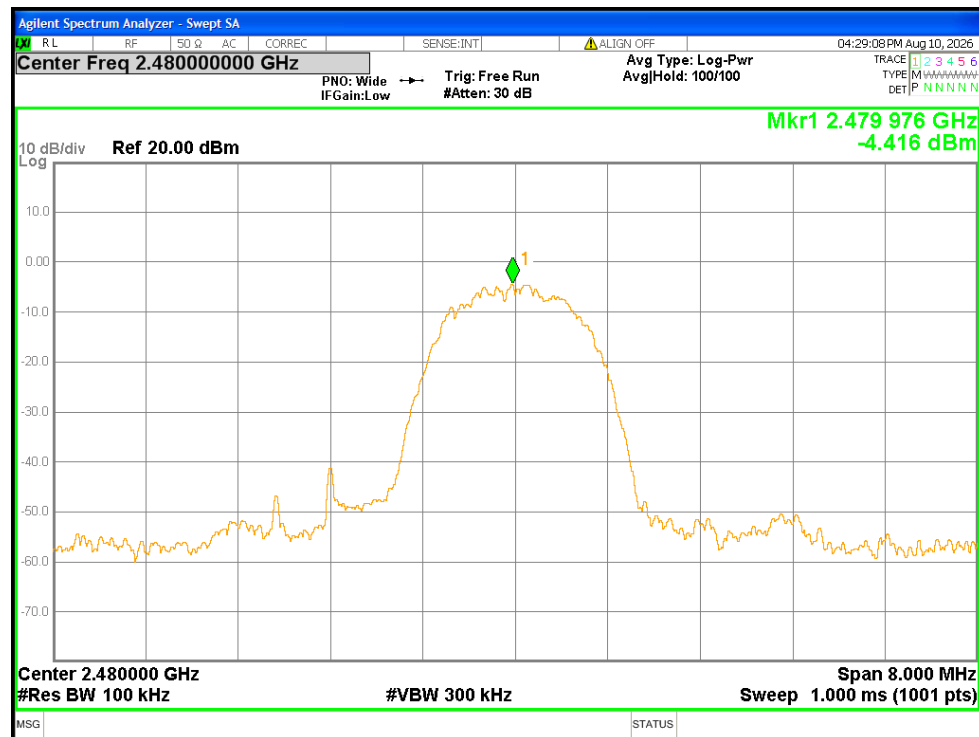
Tx. Spurious NVNT 3-DH5 2441MHz Ref



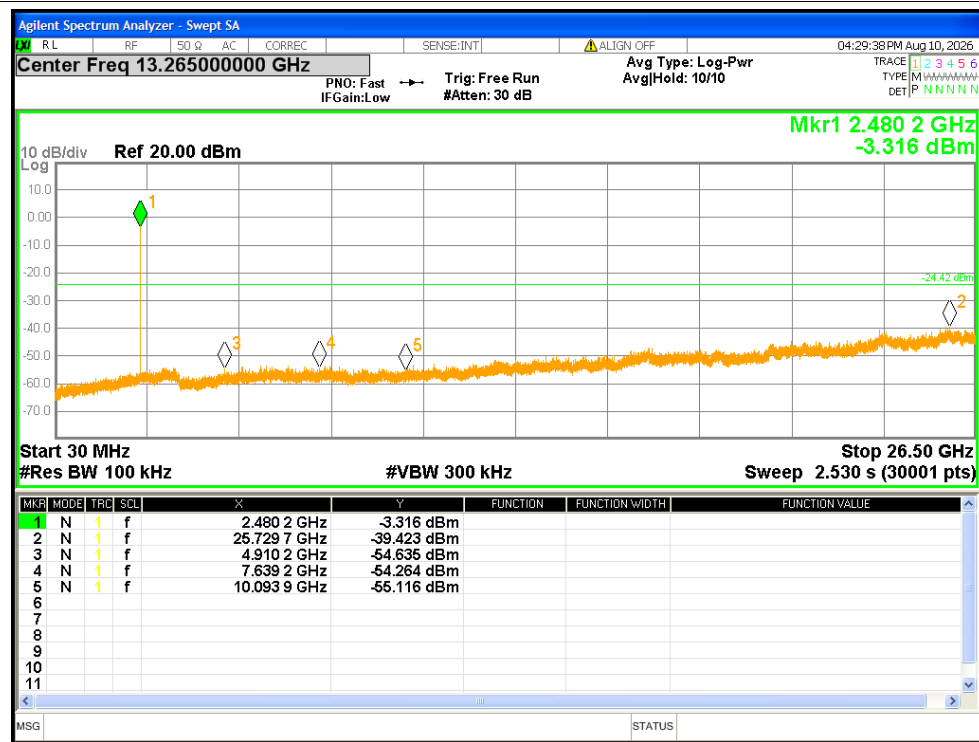
Tx. Spurious NVNT 3-DH5 2441MHz Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ref



Tx. Spurious NVNT 3-DH5 2480MHz Emission



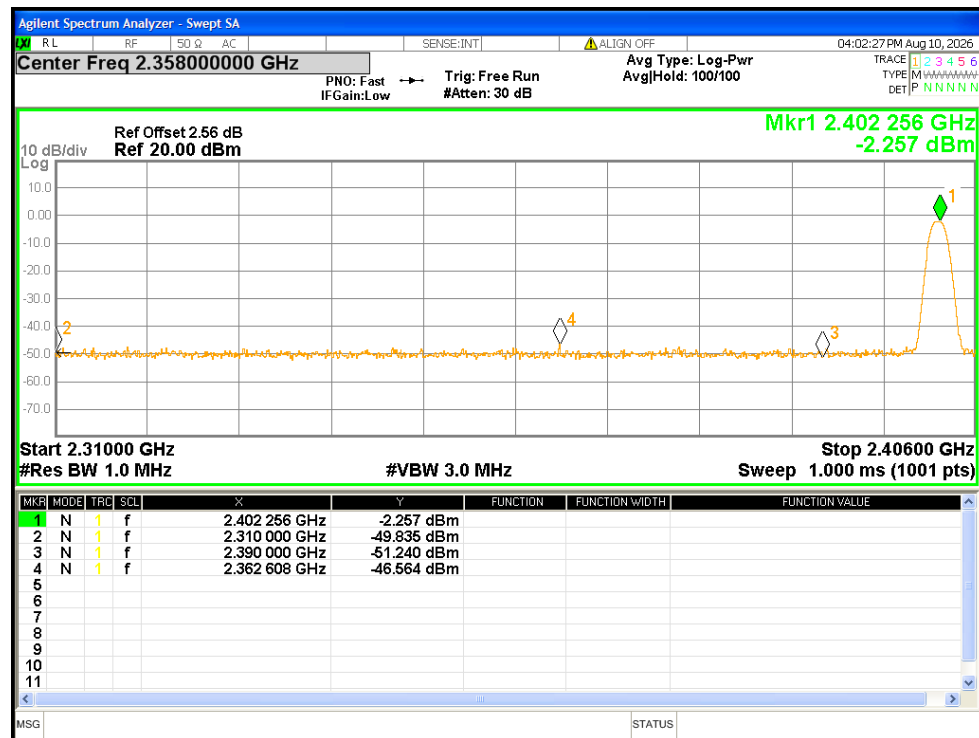
Restrict Band

Condition	Mode	Frequency (MHz)	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	No-Hopping	2310	-49.83	2.48	0	47.91	Peak	<=74	Pass
NVNT	1-DH5	2402	No-Hopping	2310	-58.36	2.48	1.14	40.52	Average	<=54	Pass
NVNT	1-DH5	2402	No-Hopping	2362.608	-46.56	2.48	0	51.18	Peak	<=74	Pass
NVNT	1-DH5	2402	No-Hopping	2342.256	-57.17	2.48	1.14	41.71	Average	<=54	Pass
NVNT	1-DH5	2402	No-Hopping	2390	-49.83	2.48	0	47.91	Peak	<=74	Pass
NVNT	1-DH5	2402	No-Hopping	2390	-58.39	2.48	1.14	40.49	Average	<=54	Pass
NVNT	1-DH5	2480	No-Hopping	2483.5	-49.4	2.48	0	48.34	Peak	<=74	Pass
NVNT	1-DH5	2480	No-Hopping	2483.5	-56.76	2.48	1.14	42.12	Average	<=54	Pass
NVNT	1-DH5	2480	No-Hopping	2487.664	-41.28	2.48	0	56.46	Peak	<=74	Pass
NVNT	1-DH5	2480	No-Hopping	2487.664	-56.17	2.48	1.14	42.71	Average	<=54	Pass
NVNT	1-DH5	2480	No-Hopping	2500	-50.14	2.48	0	47.6	Peak	<=74	Pass
NVNT	1-DH5	2480	No-Hopping	2500	-57.66	2.48	1.14	41.22	Average	<=54	Pass
NVNT	2-DH5	2402	No-Hopping	2310	-49.89	2.48	0	47.85	Peak	<=74	Pass
NVNT	2-DH5	2402	No-Hopping	2310	-57.73	2.48	1.13	41.14	Average	<=54	Pass
NVNT	2-DH5	2402	No-Hopping	2384.976	-47.22	2.48	0	50.52	Peak	<=74	Pass
NVNT	2-DH5	2402	No-Hopping	2382.96	-57.24	2.48	1.13	41.63	Average	<=54	Pass
NVNT	2-DH5	2402	No-Hopping	2390	-49.82	2.48	0	47.92	Peak	<=74	Pass
NVNT	2-DH5	2402	No-Hopping	2390	-58.43	2.48	1.13	40.44	Average	<=54	Pass
NVNT	2-DH5	2480	No-Hopping	2483.5	-46.14	2.48	0	51.6	Peak	<=74	Pass
NVNT	2-DH5	2480	No-Hopping	2483.5	-55.07	2.48	1.13	43.8	Average	<=54	Pass
NVNT	2-DH5	2480	No-Hopping	2487.304	-43.32	2.48	0	54.42	Peak	<=74	Pass
NVNT	2-DH5	2480	No-Hopping	2487.232	-54.55	2.48	1.13	44.32	Average	<=54	Pass
NVNT	2-DH5	2480	No-Hopping	2500	-48.4	2.48	0	49.34	Peak	<=74	Pass
NVNT	2-DH5	2480	No-Hopping	2500	-57.56	2.48	1.13	41.31	Average	<=54	Pass
NVNT	3-DH5	2402	No-Hopping	2310	-51.14	2.48	0	46.6	Peak	<=74	Pass
NVNT	3-DH5	2402	No-Hopping	2310	-57.9	2.48	1.13	40.97	Average	<=54	Pass
NVNT	3-DH5	2402	No-Hopping	2327.952	-45.83	2.48	0	51.91	Peak	<=74	Pass
NVNT	3-DH5	2402	No-Hopping	2389.584	-57.25	2.48	1.13	41.62	Average	<=54	Pass
NVNT	3-DH5	2402	No-Hopping	2390	-48.2	2.48	0	49.54	Peak	<=74	Pass
NVNT	3-DH5	2402	No-Hopping	2390	-57.35	2.48	1.13	41.52	Average	<=54	Pass
NVNT	3-DH5	2480	No-Hopping	2483.5	-47.02	2.48	0	50.72	Peak	<=74	Pass
NVNT	3-DH5	2480	No-Hopping	2483.5	-54.14	2.48	1.13	44.73	Average	<=54	Pass
NVNT	3-DH5	2480	No-Hopping	2487.496	-41.46	2.48	0	56.28	Peak	<=74	Pass
NVNT	3-DH5	2480	No-Hopping	2483.728	-53.54	2.48	1.13	45.33	Average	<=54	Pass
NVNT	3-DH5	2480	No-Hopping	2500	-48.52	2.48	0	49.22	Peak	<=74	Pass
NVNT	3-DH5	2480	No-Hopping	2500	-57.07	2.48	1.13	41.8	Average	<=54	Pass

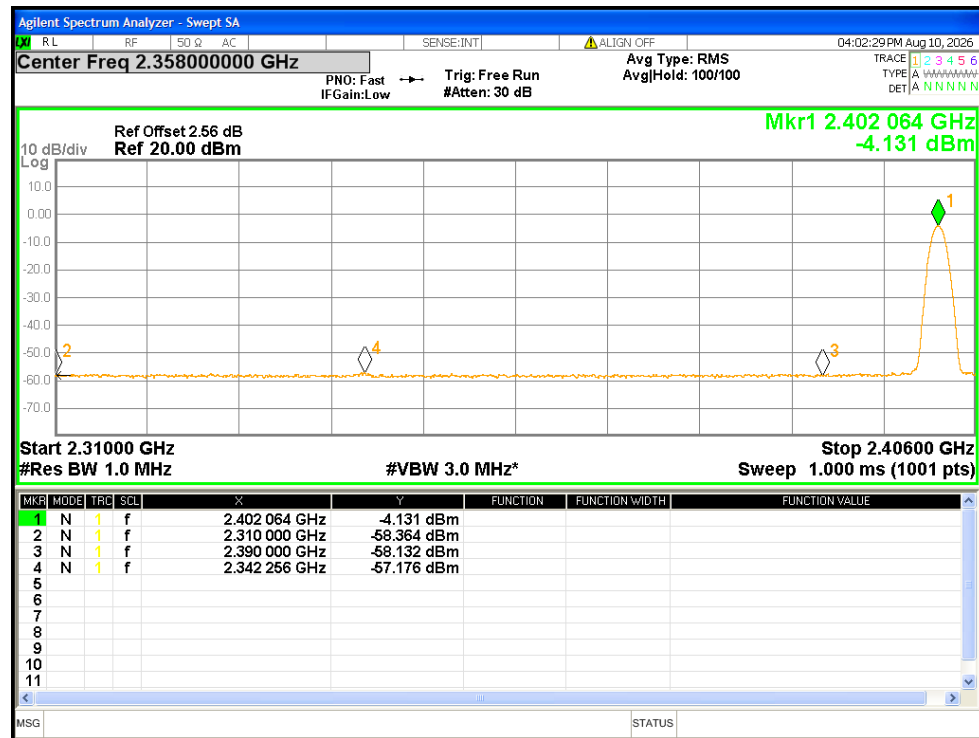
Note: Both the left and right ears have been tested, and the worst result recorded was for the left ear.

Test Graphs

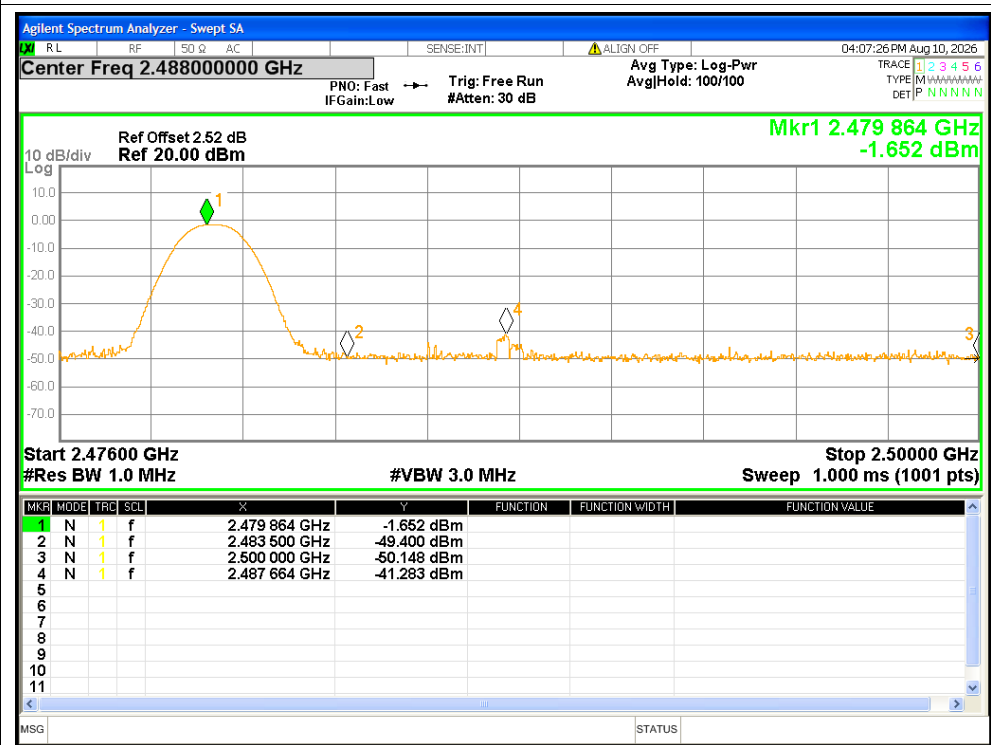
Restrict Band NVNT 1-DH5 2402MHz No-Hopping Peak



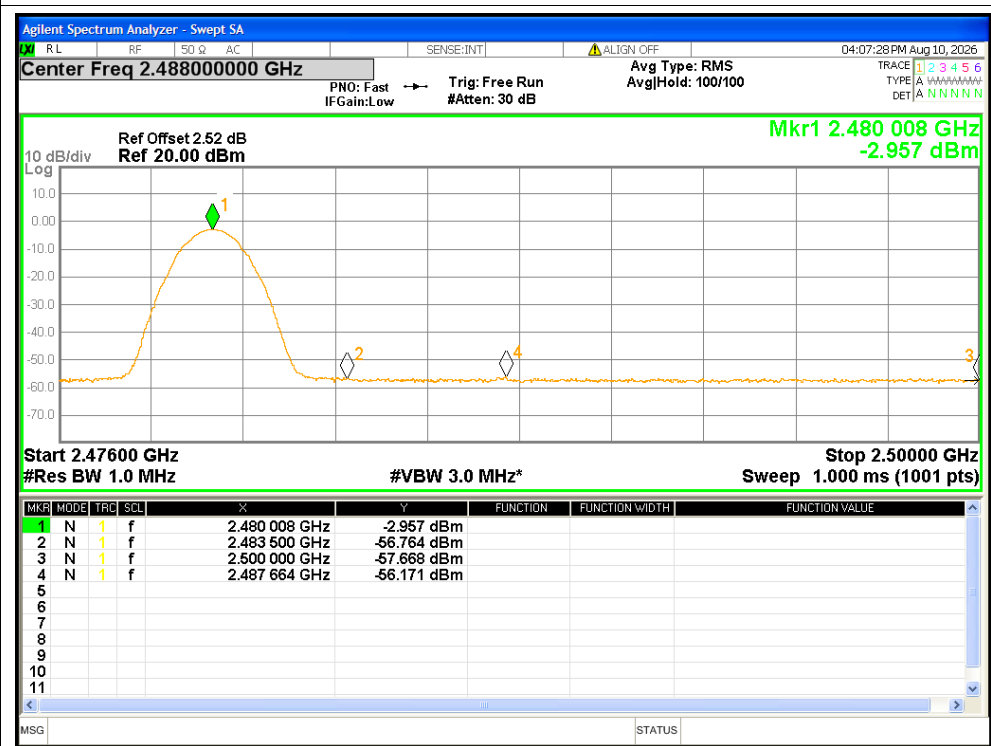
Restrict Band NVNT 1-DH5 2402MHz No-Hopping Average



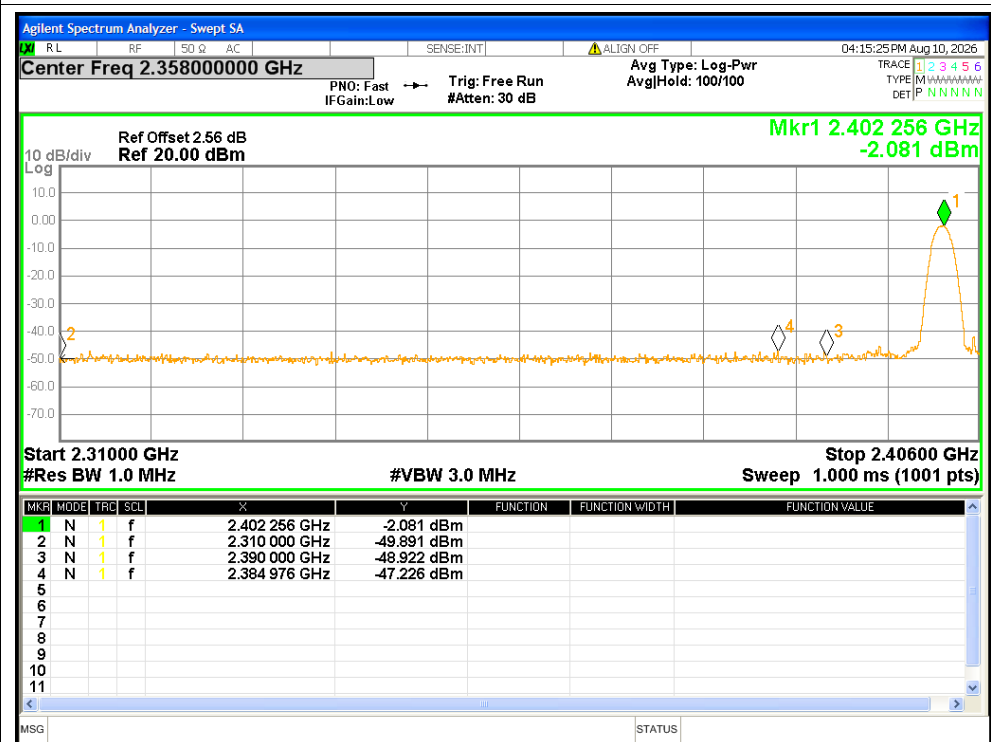
Restrict Band NVNT 1-DH5 2480MHz No-Hopping Peak



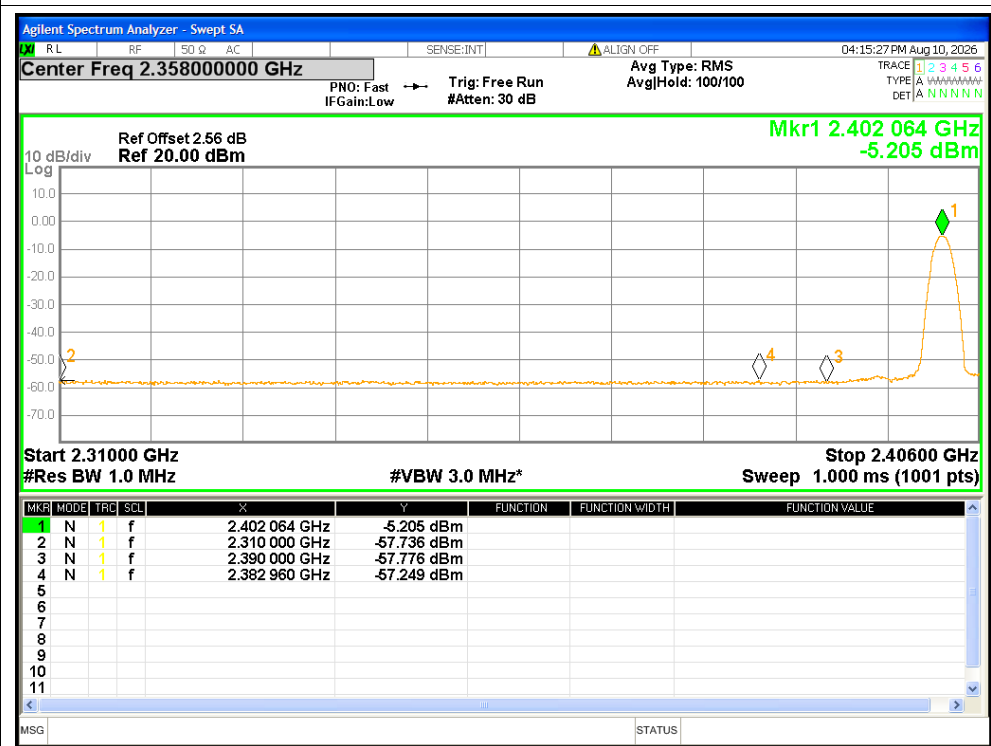
Restrict Band NVNT 1-DH5 2480MHz No-Hopping Average



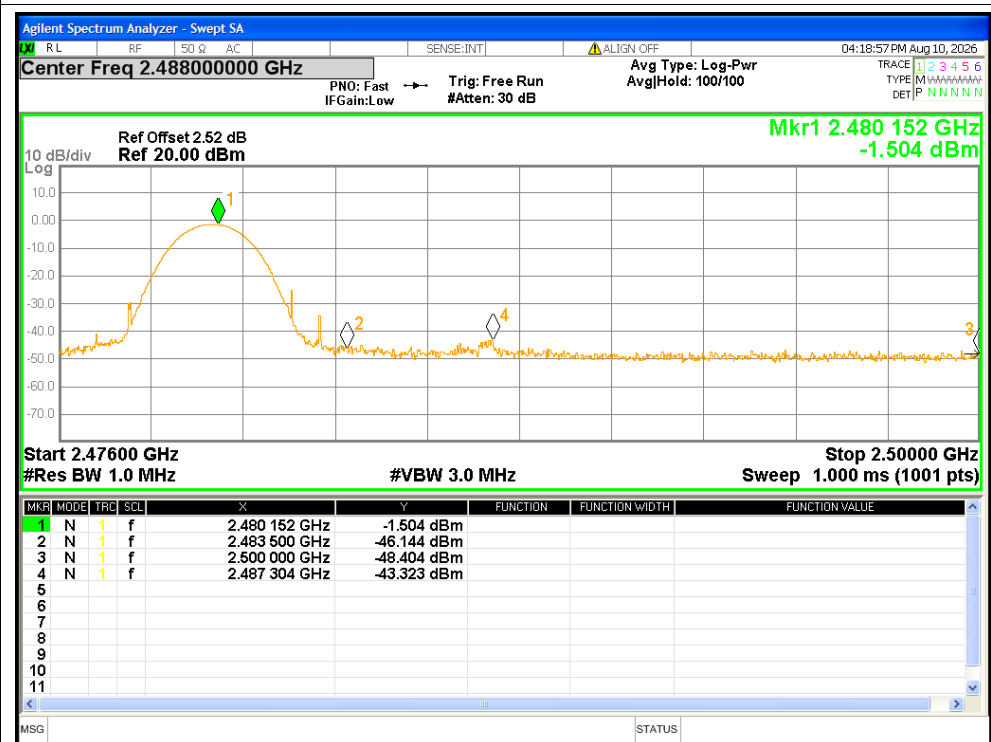
Restrict Band NVNT 2-DH5 2402MHz No-Hopping Peak



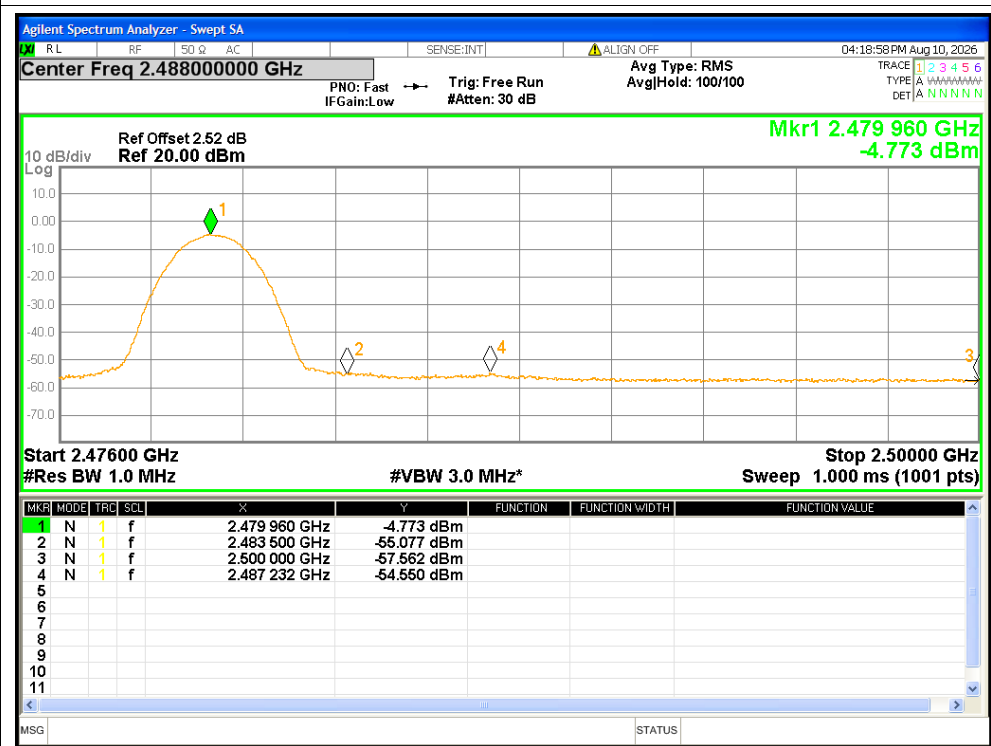
Restrict Band NVNT 2-DH5 2402MHz No-Hopping Average



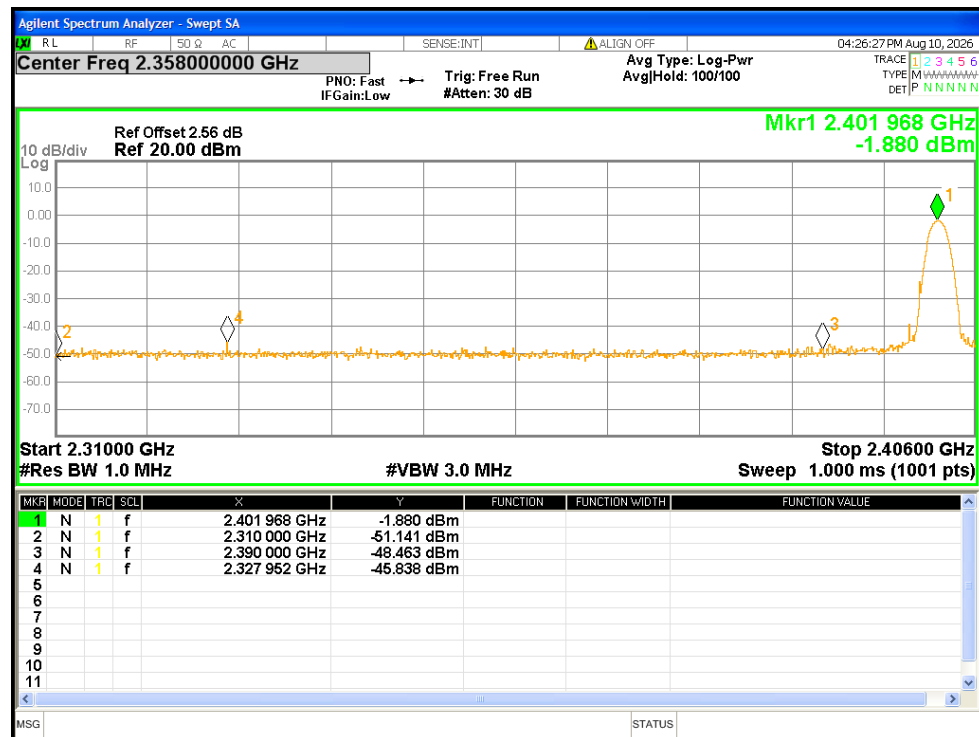
Restrict Band NVNT 2-DH5 2480MHz No-Hopping Peak



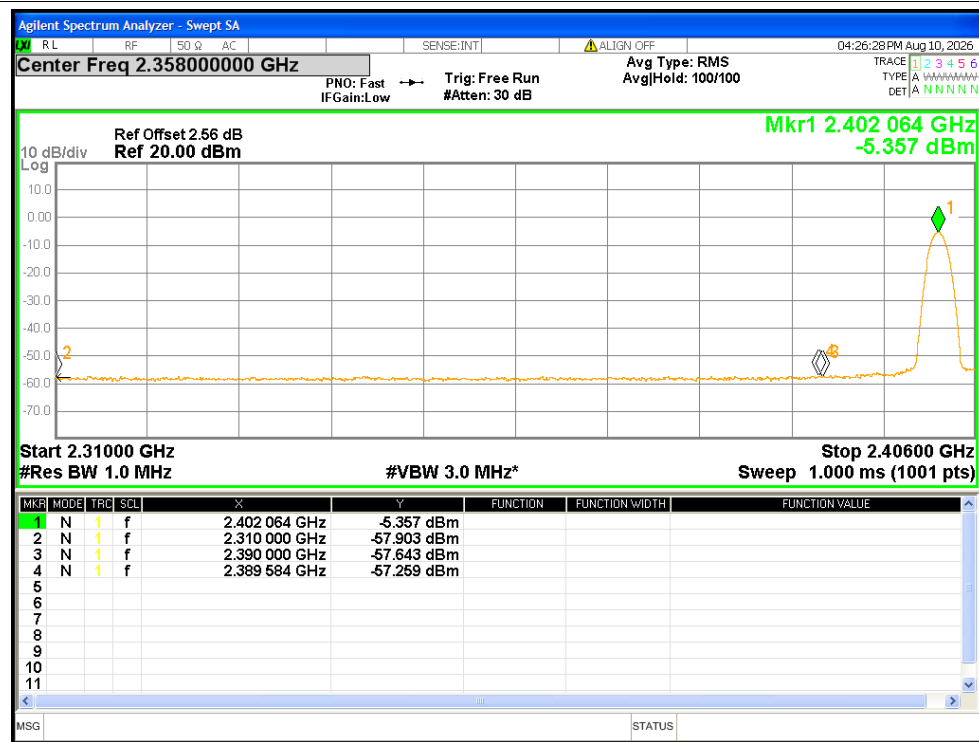
Restrict Band NVNT 2-DH5 2480MHz No-Hopping Average



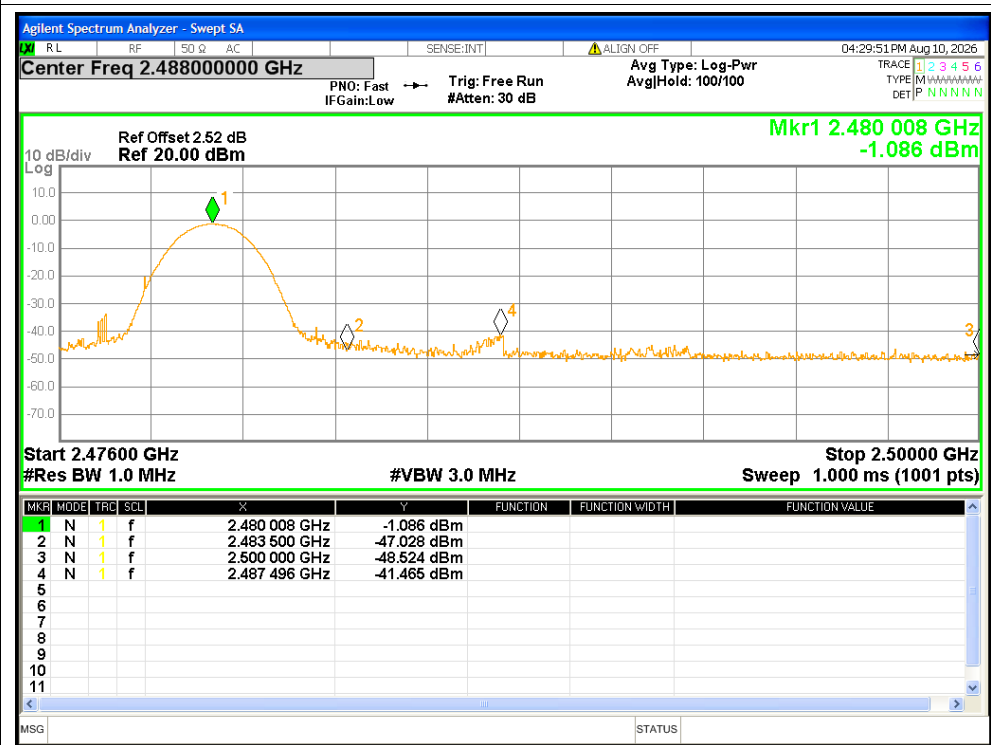
Restrict Band NVNT 3-DH5 2402MHz No-Hopping Peak



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

