9.3 TEST SETUP

9.4 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

9.5 TEST RESULTS

Note: The test data please refer to APPENDIX 1.

10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

10.2 EUT ANTENNA

The EUT antenna is Chip Antenna. It comply with the standard requirement.

APPENDIX 1-TEST DATA

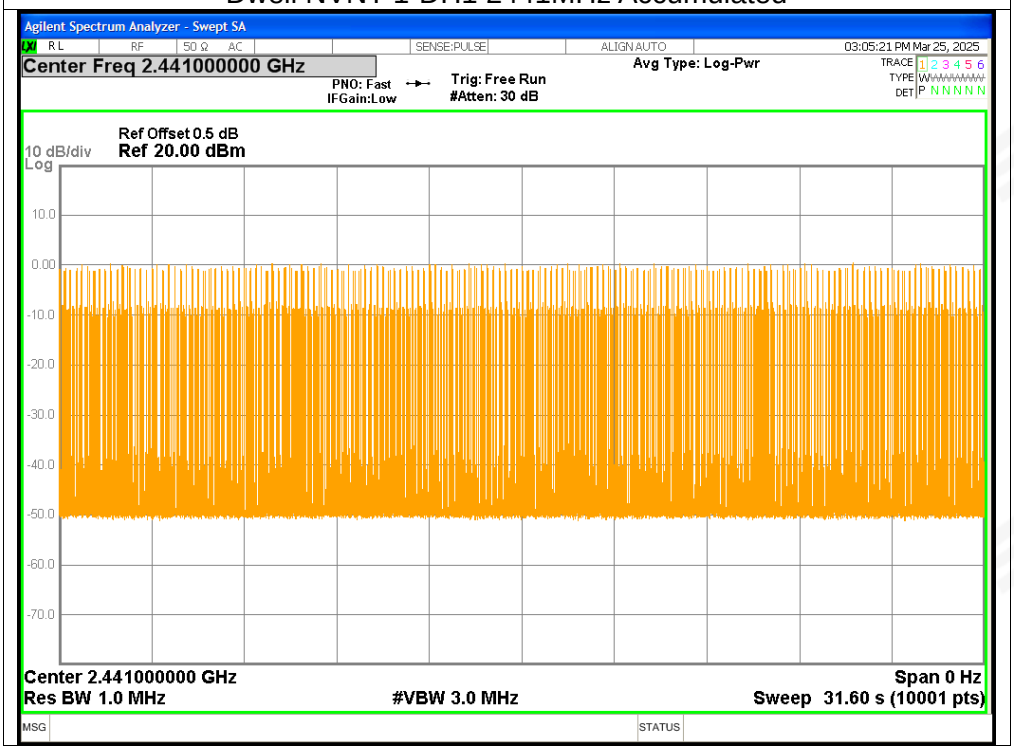
1. Dwell Time

Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.38	121.98	321	31600	<=400	Pass
NVNT	1-DH3	2441	1.636	271.576	166	31600	<=400	Pass
NVNT	1-DH5	2441	2.885	308.695	107	31600	<=400	Pass
NVNT	2-DH1	2441	0.389	123.702	318	31600	<=400	Pass
NVNT	2-DH3	2441	1.641	272.406	166	31600	<=400	Pass
NVNT	2-DH5	2441	2.889	317.79	110	31600	<=400	Pass
NVNT	3-DH1	2441	0.389	123.702	318	31600	<=400	Pass
NVNT	3-DH3	2441	1.64	250.92	153	31600	<=400	Pass
NVNT	3-DH5	2441	2.891	277.536	96	31600	<=400	Pass

Test Graphs

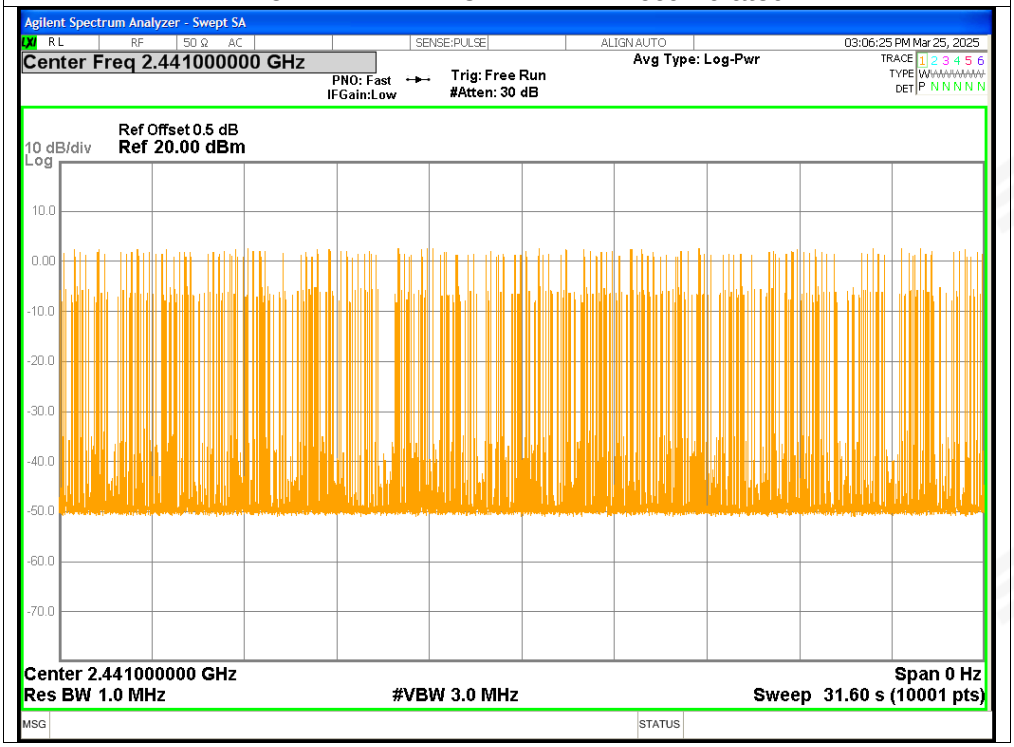
Dwell NVNT 1-DH1 2441MHz One Burst

Dwell NVNT 1-DH1 2441MHz Accumulated

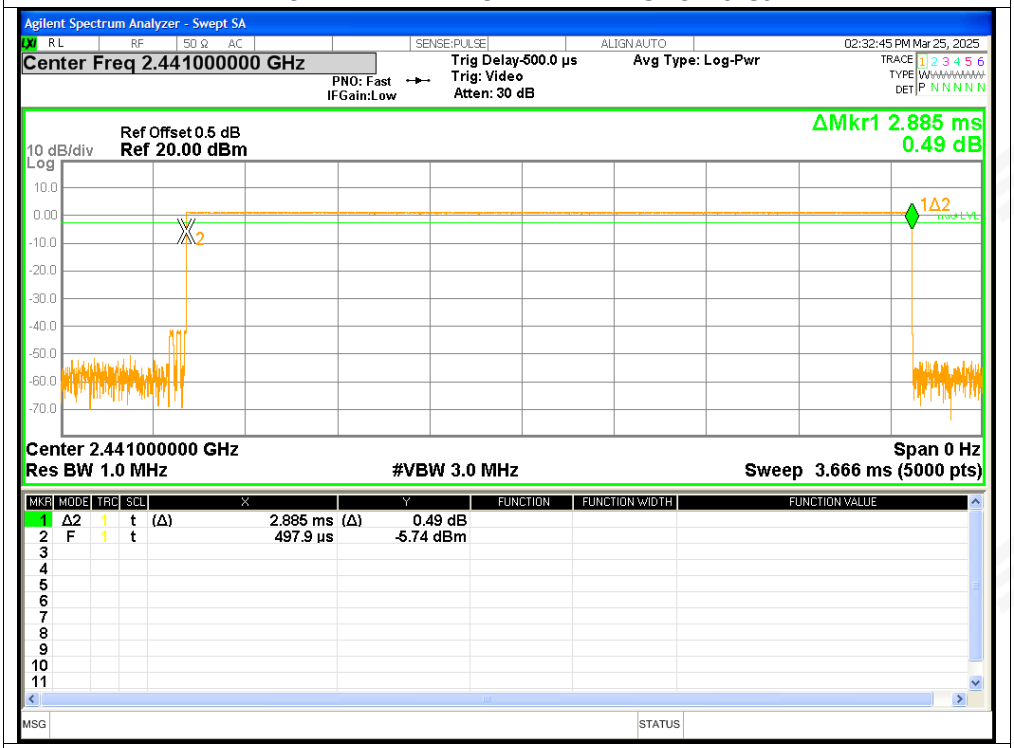


Dwell NVNT 1-DH3 2441MHz One Burst

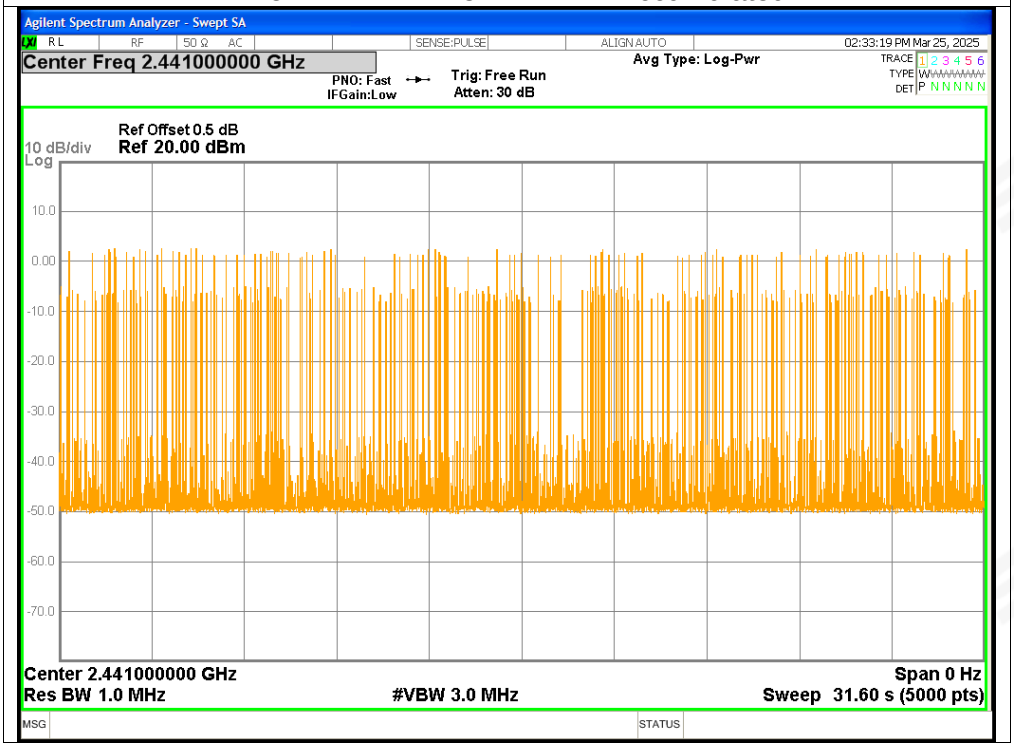
Dwell NVNT 1-DH3 2441MHz Accumulated



Dwell NVNT 1-DH5 2441MHz One Burst

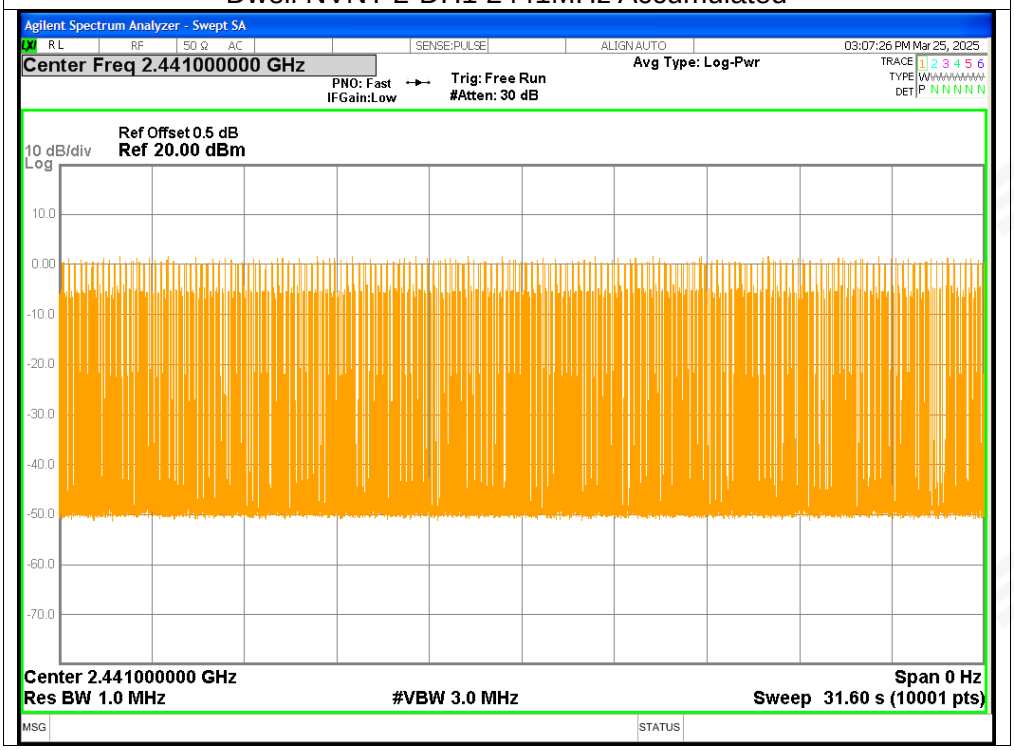


Dwell NVNT 1-DH5 2441MHz Accumulated



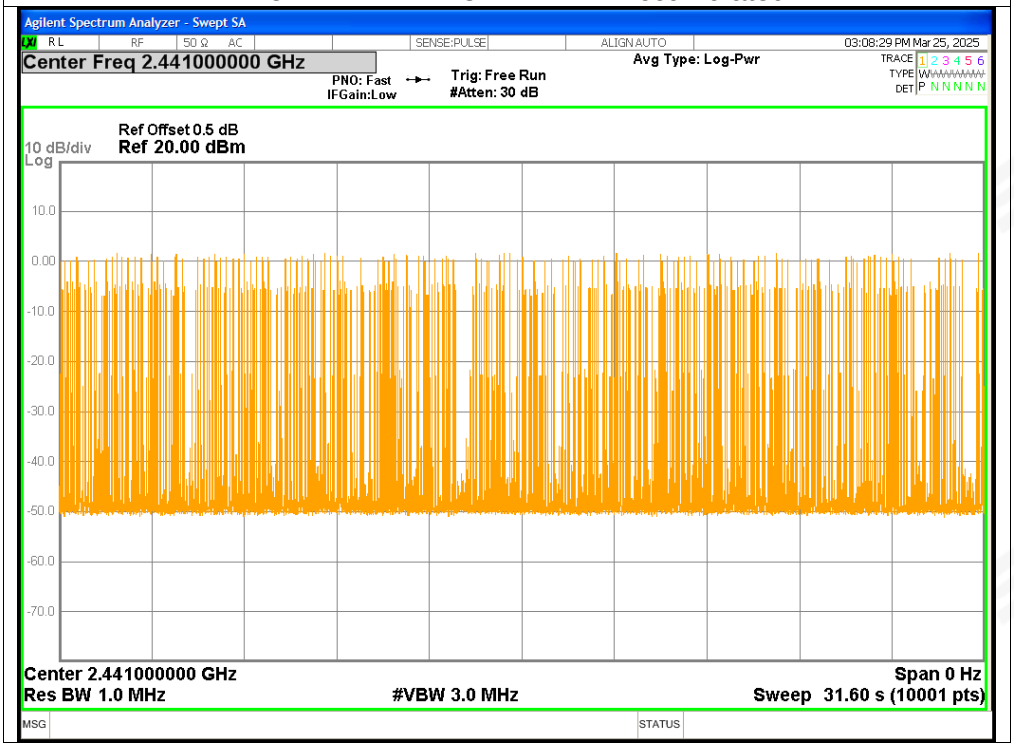
Dwell NVNT 2-DH1 2441MHz One Burst

Dwell NVNT 2-DH1 2441MHz Accumulated



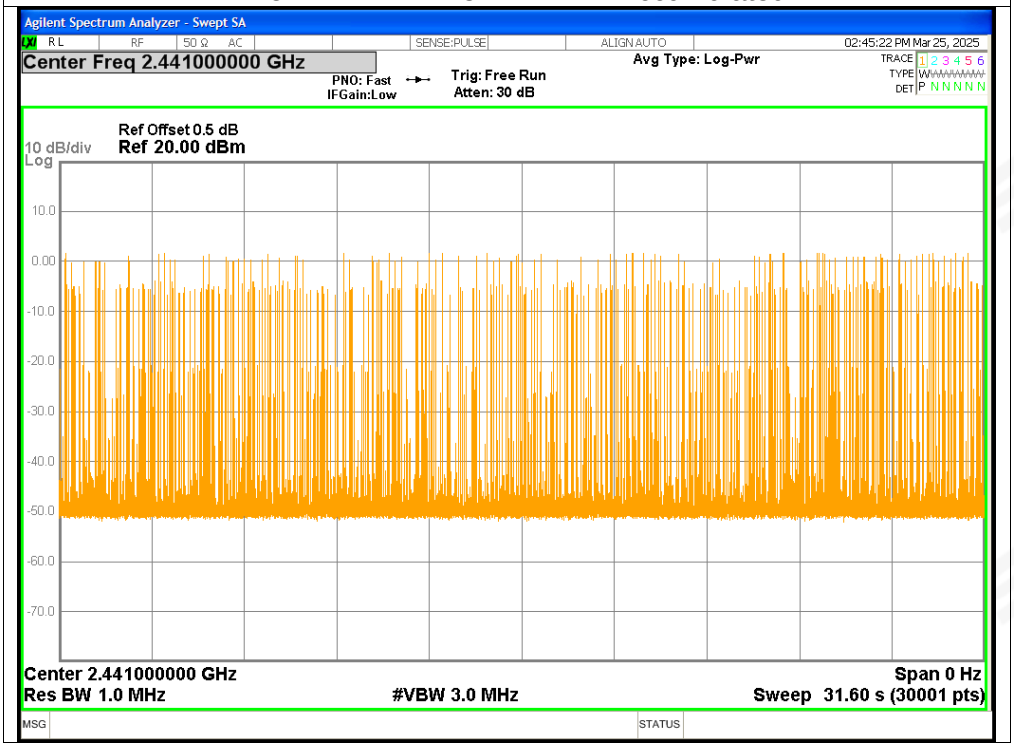
Dwell NVNT 2-DH3 2441MHz One Burst

Dwell NVNT 2-DH3 2441MHz Accumulated



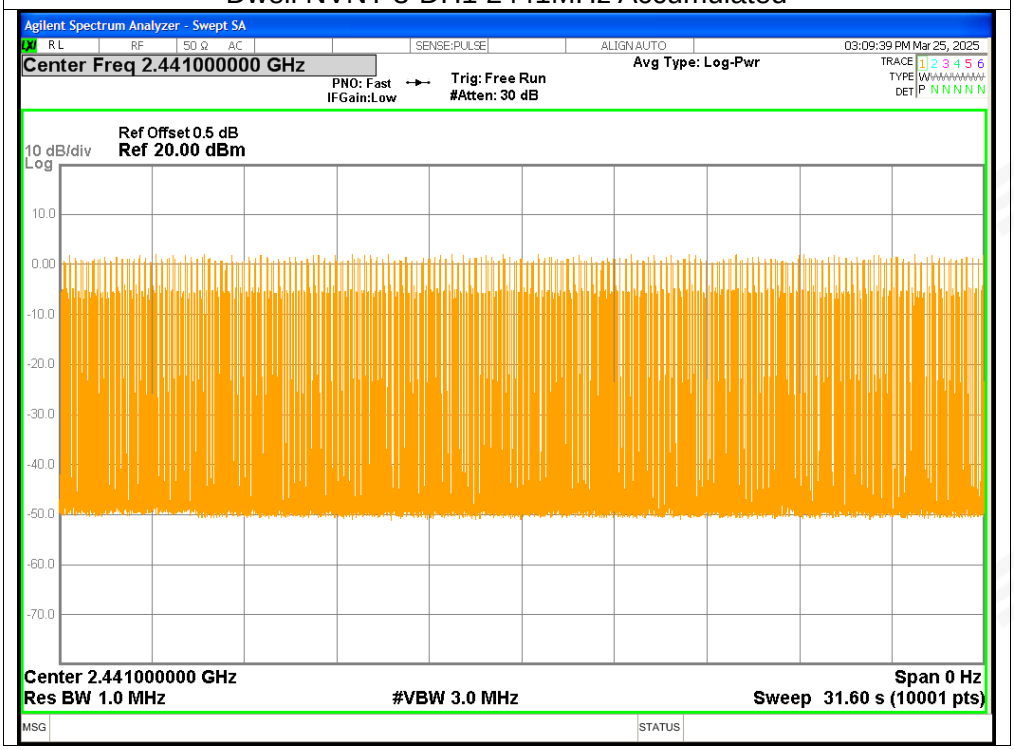
Dwell NVNT 2-DH5 2441MHz One Burst

Dwell NVNT 2-DH5 2441MHz Accumulated



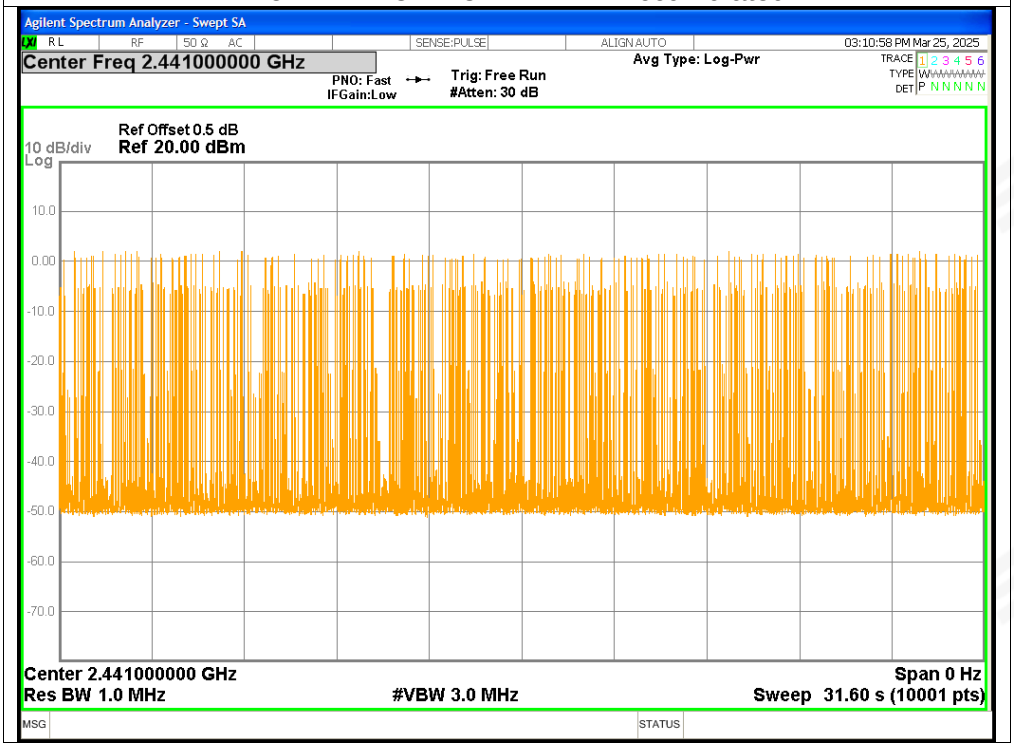
Dwell NVNT 3-DH1 2441MHz One Burst

Dwell NVNT 3-DH1 2441MHz Accumulated



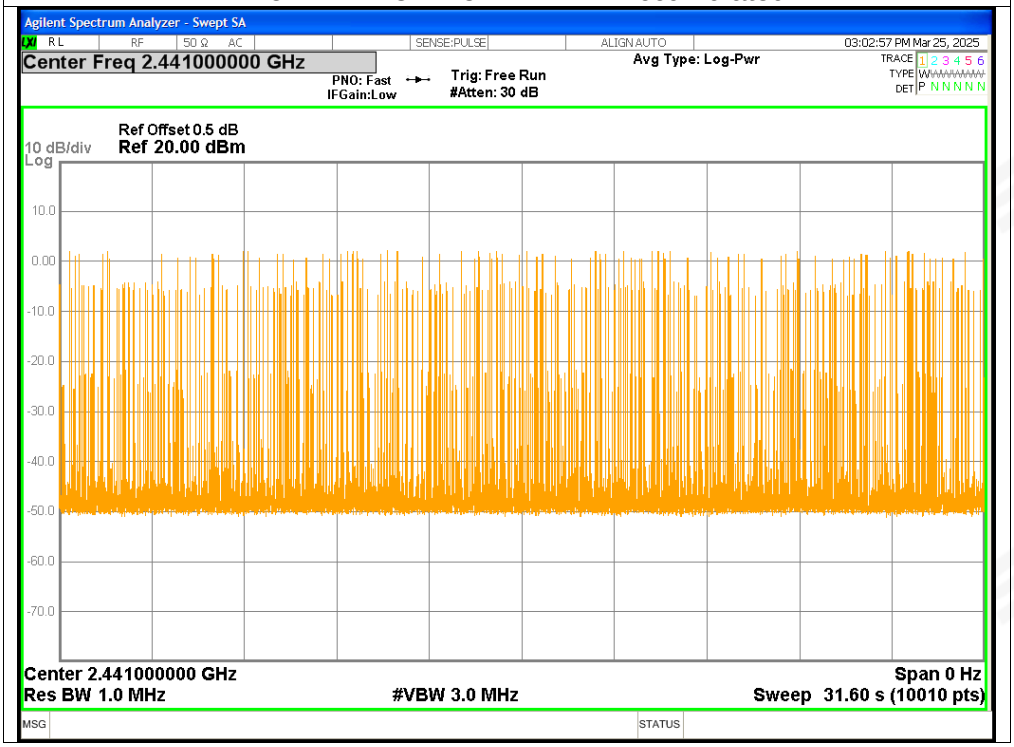
Dwell NVNT 3-DH3 2441MHz One Burst

Dwell NVNT 3-DH3 2441MHz Accumulated



Dwell NVNT 3-DH5 2441MHz One Burst

Dwell NVNT 3-DH5 2441MHz Accumulated

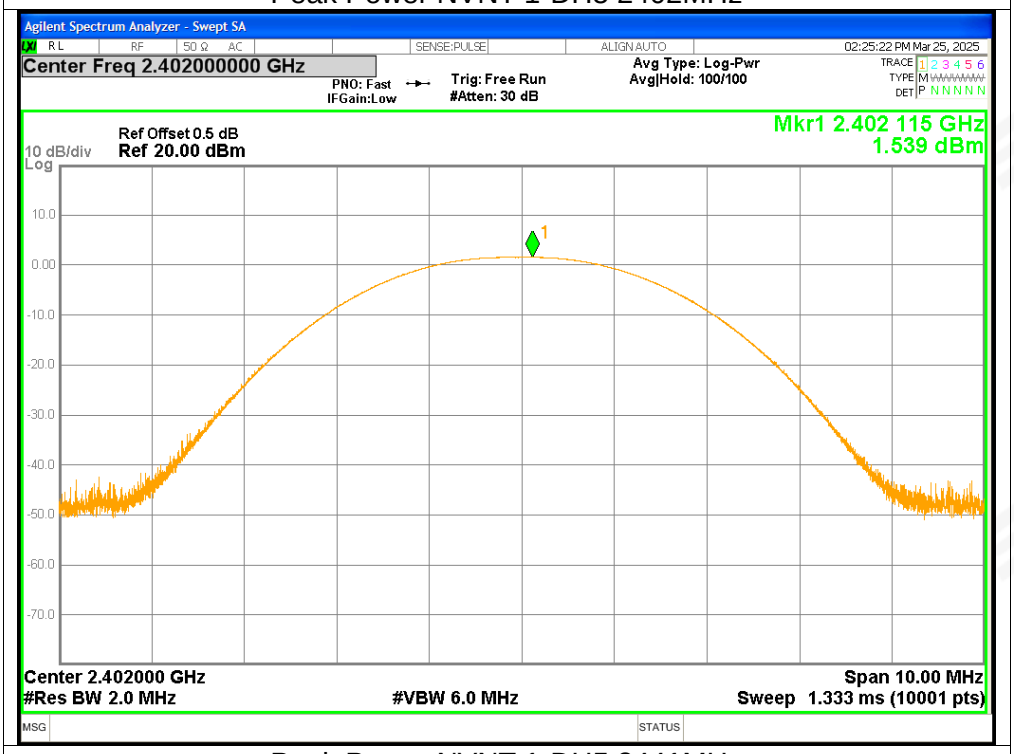


2. Maximum Peak Conducted Output Power

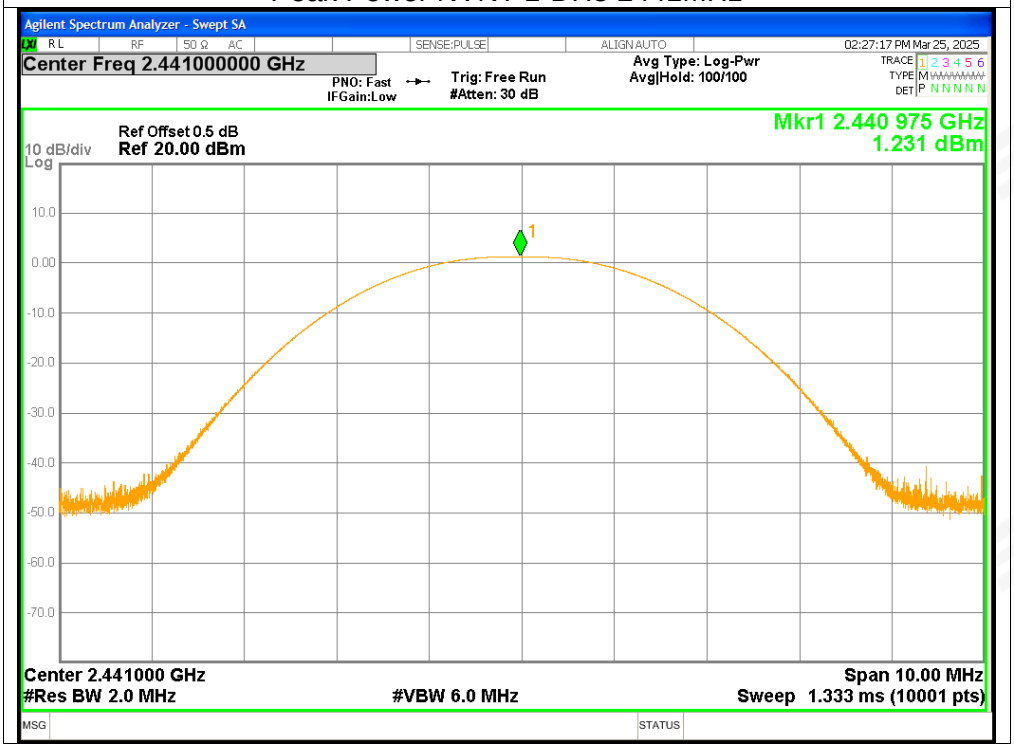
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	1.54	<=20.97	Pass
NVNT	1-DH5	2441	1.23	<=20.97	Pass
NVNT	1-DH5	2480	1.36	<=20.97	Pass
NVNT	2-DH5	2402	1.78	<=20.97	Pass
NVNT	2-DH5	2441	1.53	<=20.97	Pass
NVNT	2-DH5	2480	1.6	<=20.97	Pass
NVNT	3-DH5	2402	2	<=20.97	Pass
NVNT	3-DH5	2441	1.79	<=20.97	Pass
NVNT	3-DH5	2480	1.84	<=20.97	Pass

Test Graphs

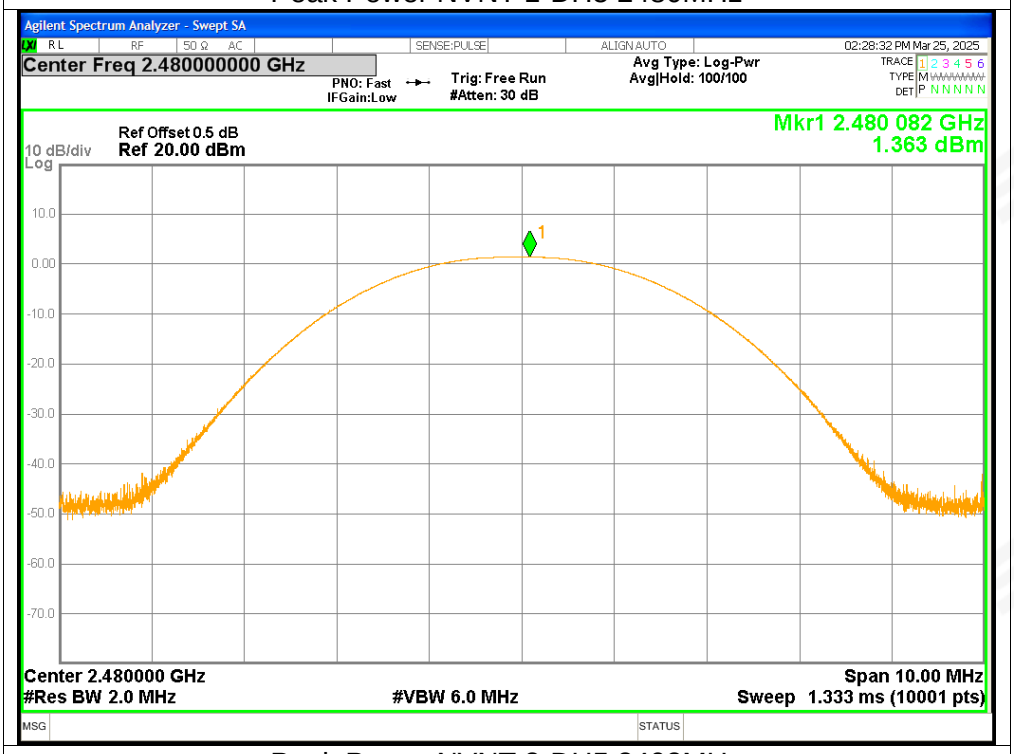
Peak Power NVNT 1-DH5 2402MHz



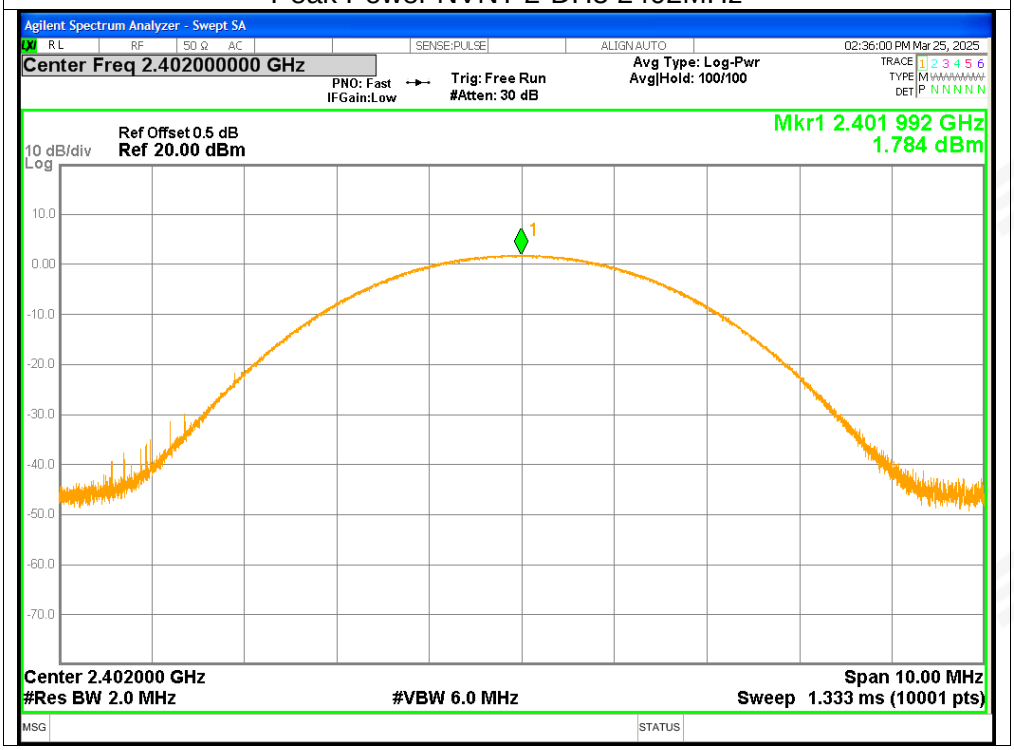
Peak Power NVNT 1-DH5 2441MHz



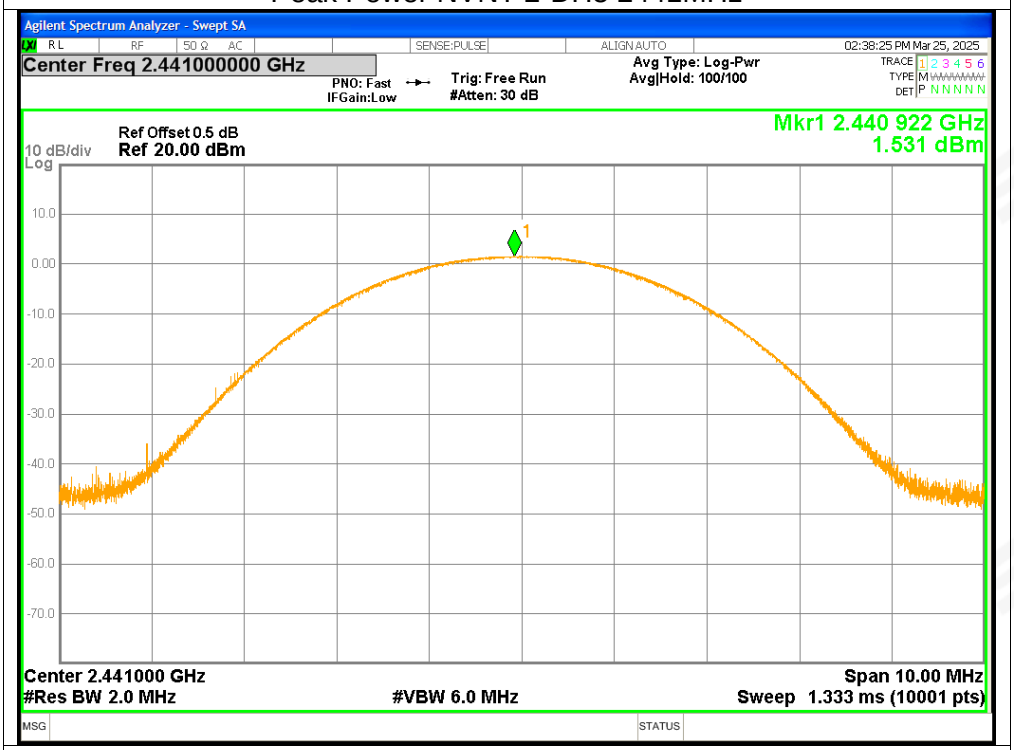
Peak Power NVNT 1-DH5 2480MHz



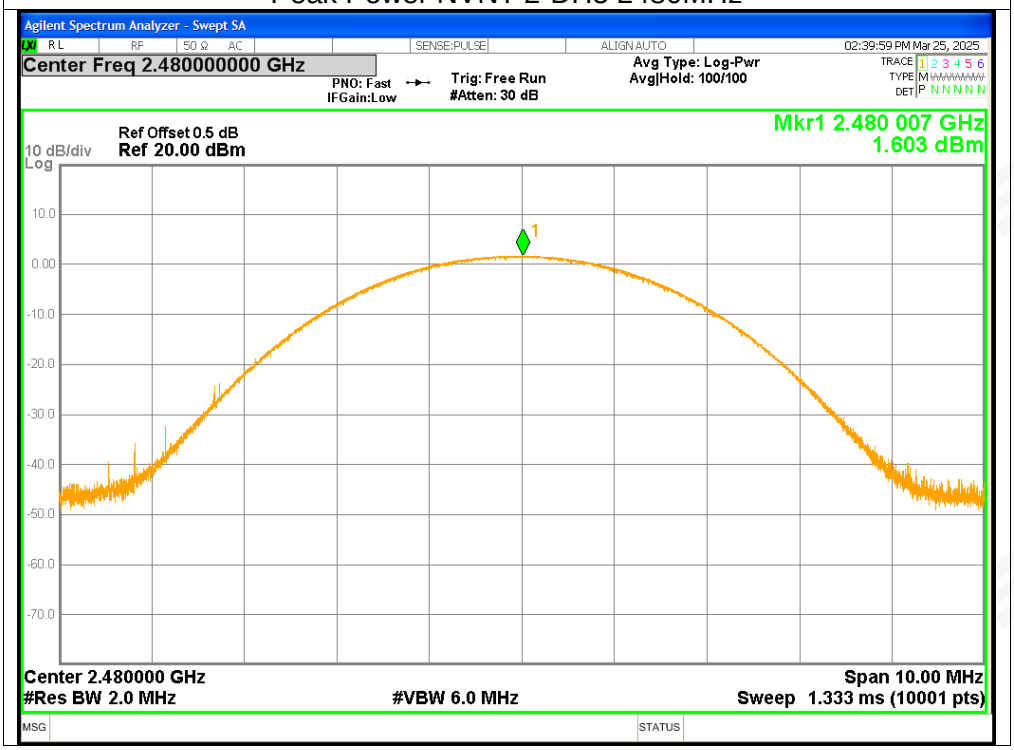
Peak Power NVNT 2-DH5 2402MHz



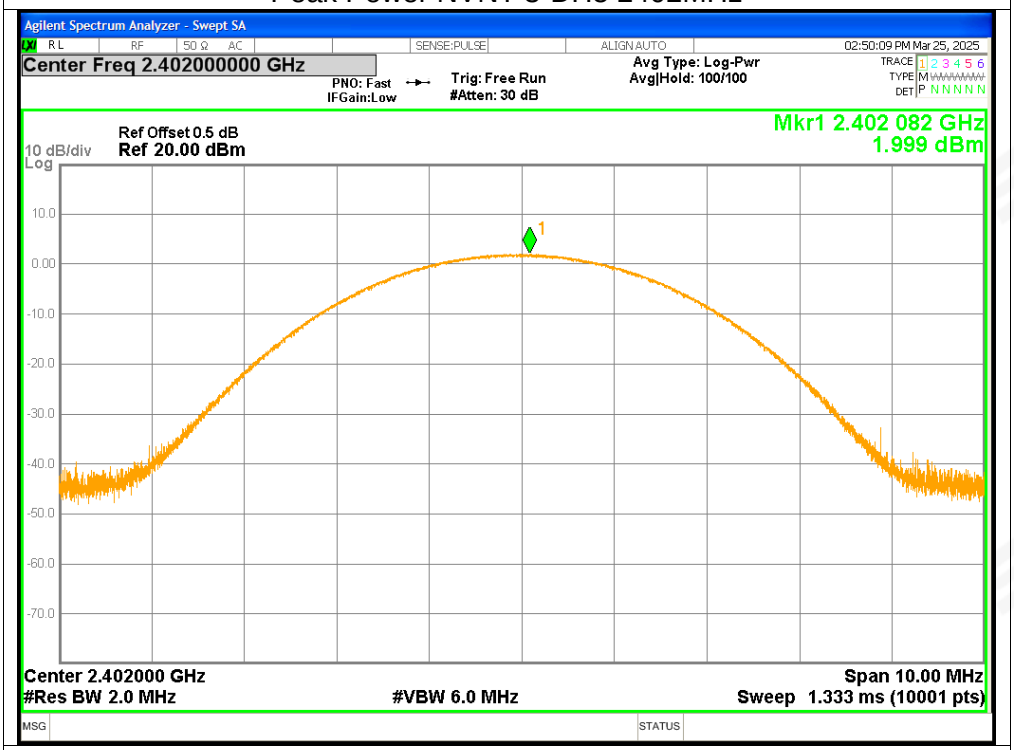
Peak Power NVNT 2-DH5 2441MHz



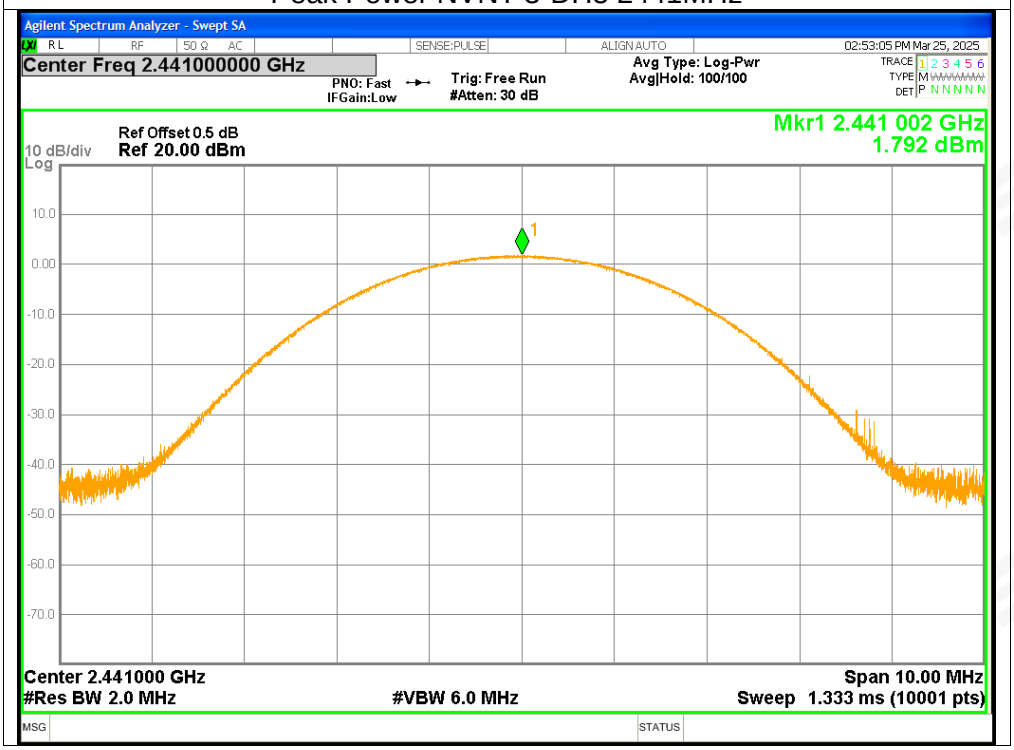
Peak Power NVNT 2-DH5 2480MHz



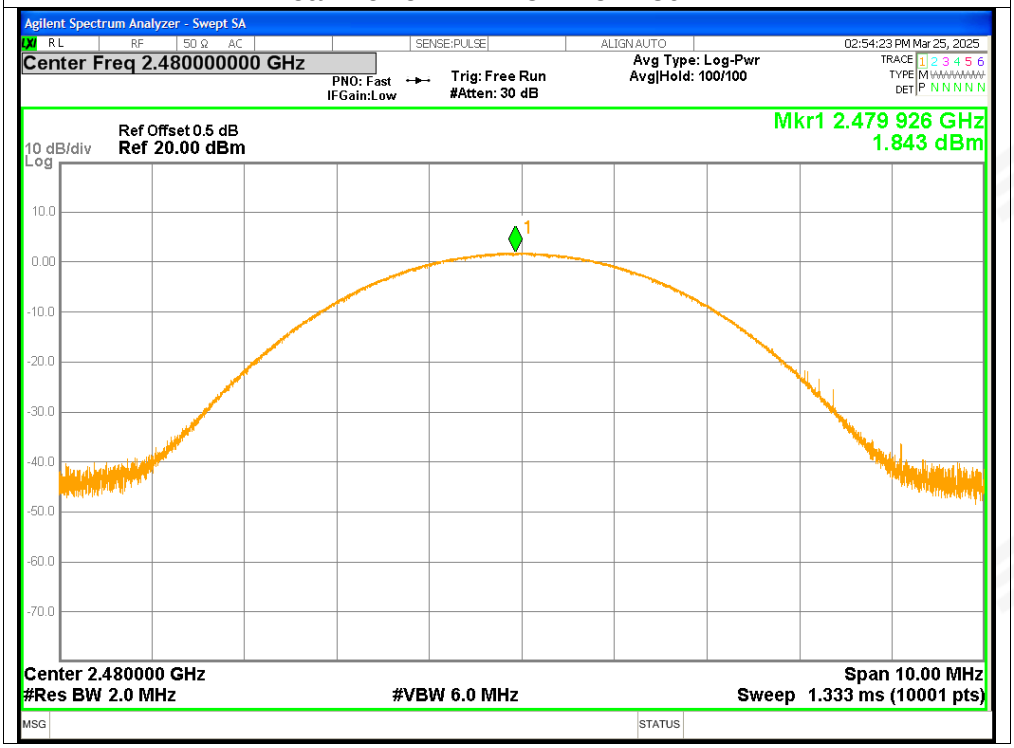
Peak Power NVNT 3-DH5 2402MHz



Peak Power NVNT 3-DH5 2441MHz



Peak Power NVNT 3-DH5 2480MHz

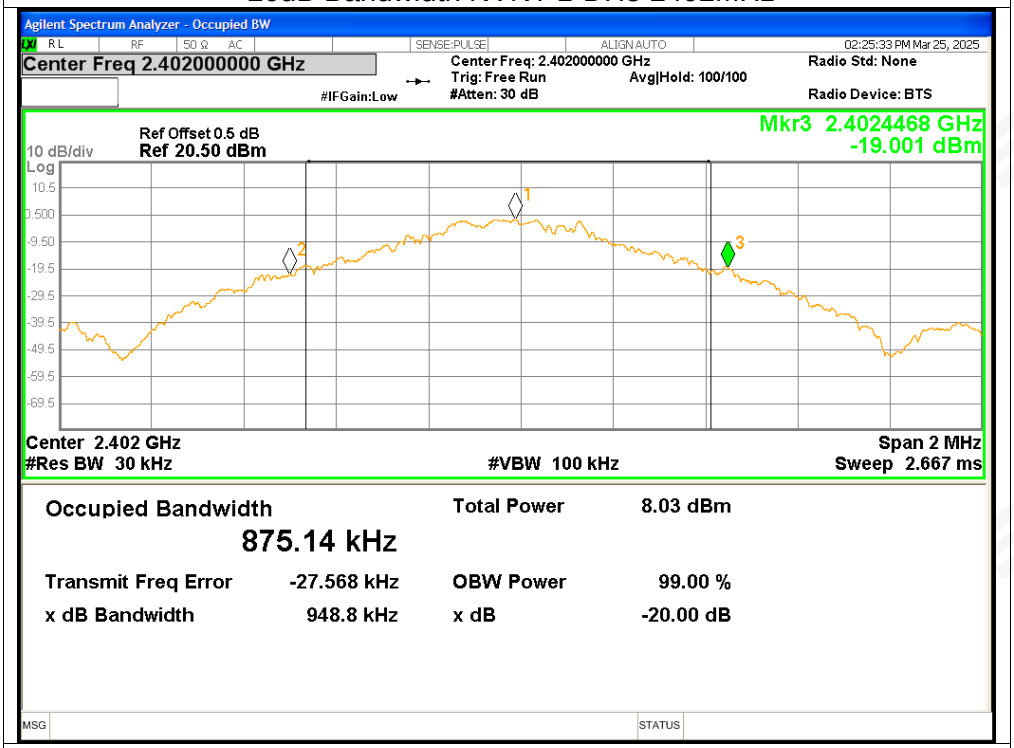


3. -20dB Bandwidth

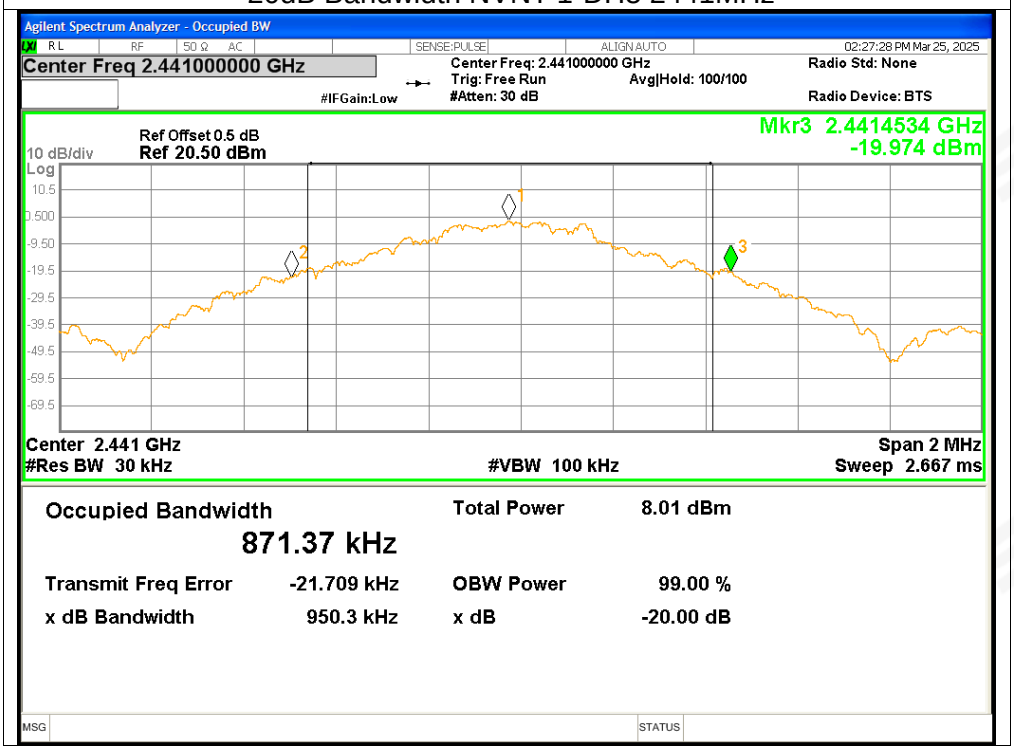
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.9488	Pass
NVNT	1-DH5	2441	0.9503	Pass
NVNT	1-DH5	2480	0.9579	Pass
NVNT	2-DH5	2402	1.4918	Pass
NVNT	2-DH5	2441	1.4854	Pass
NVNT	2-DH5	2480	1.4851	Pass
NVNT	3-DH5	2402	1.4849	Pass
NVNT	3-DH5	2441	1.4915	Pass
NVNT	3-DH5	2480	1.4793	Pass

Test Graphs

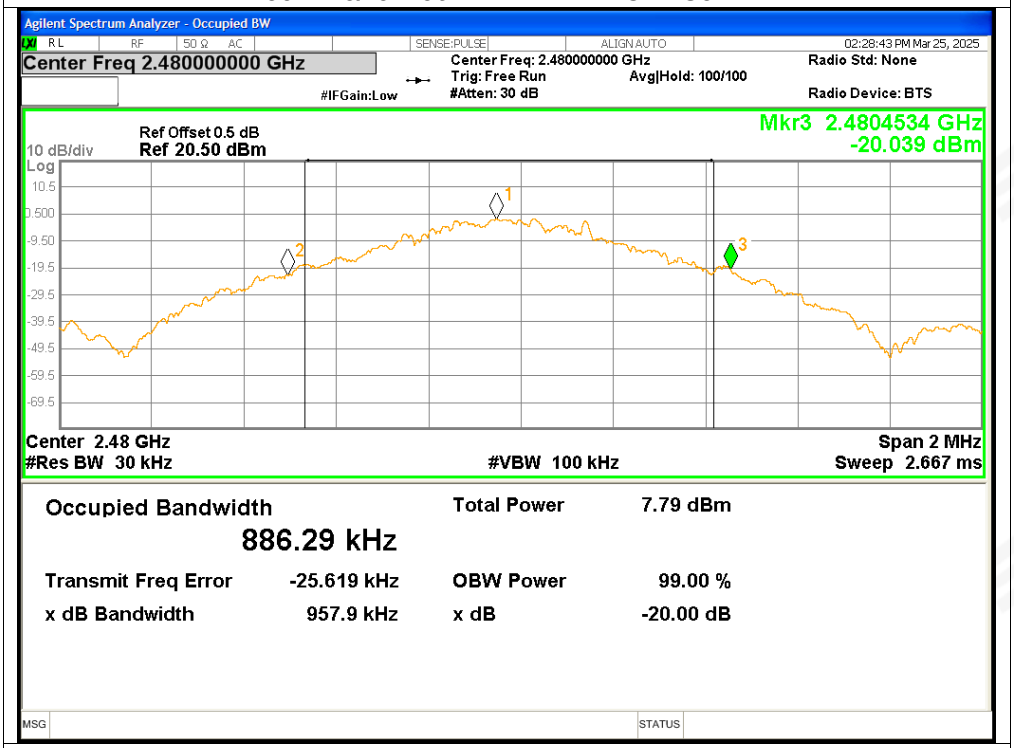
-20dB Bandwidth NVNT 1-DH5 2402MHz



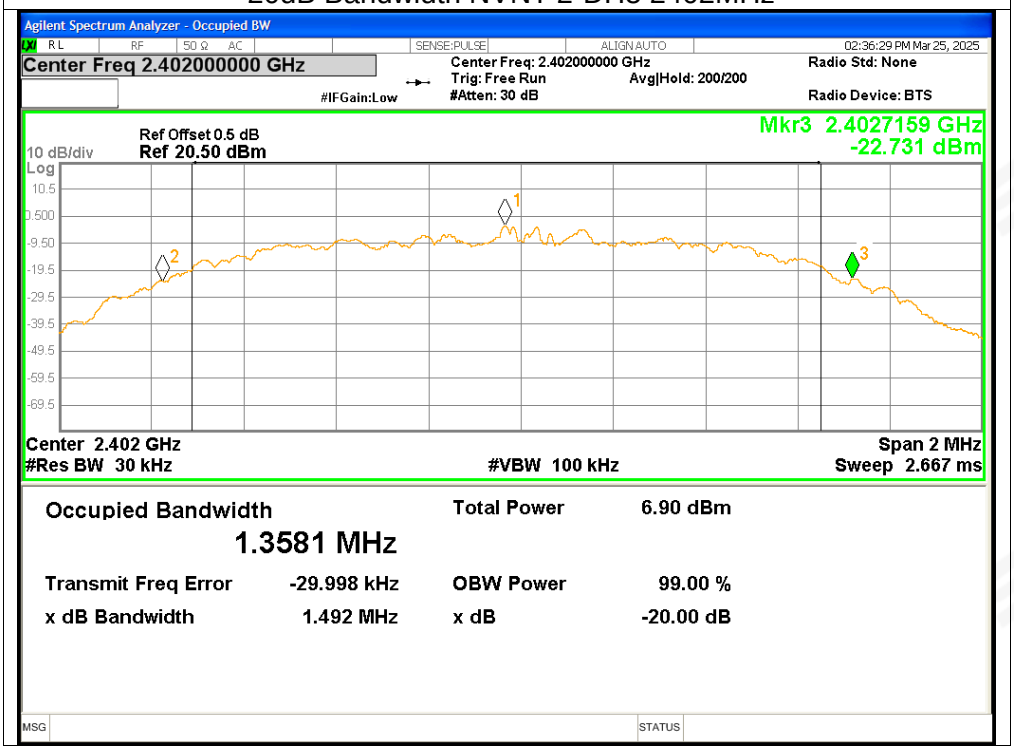
-20dB Bandwidth NVNT 1-DH5 2441MHz



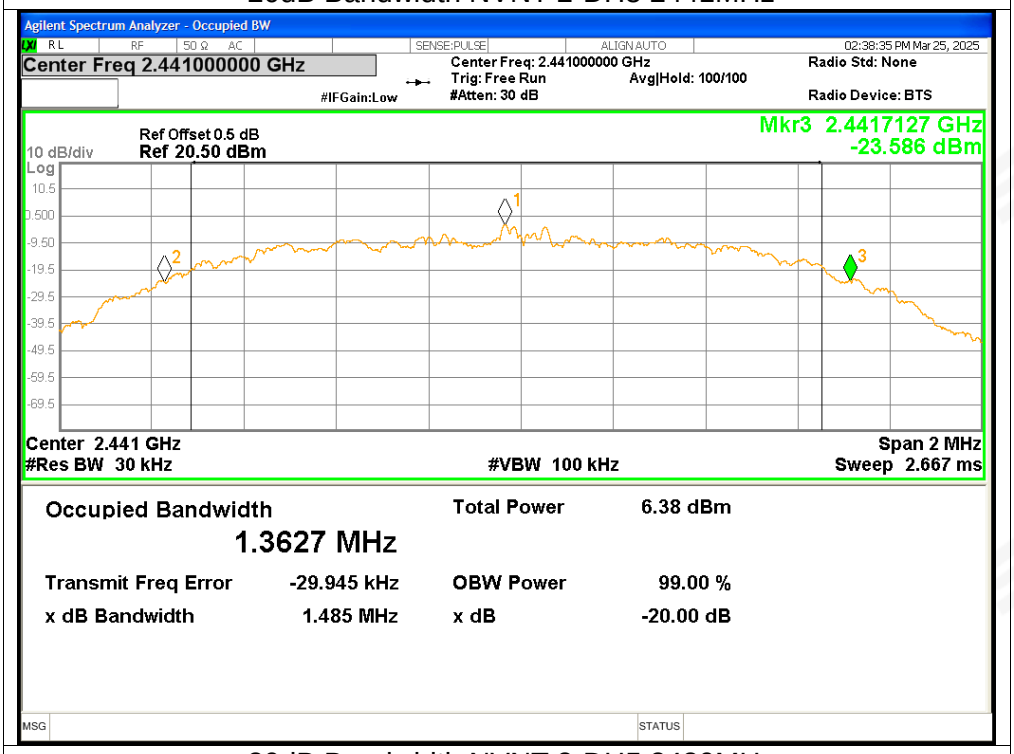
-20dB Bandwidth NVNT 1-DH5 2480MHz



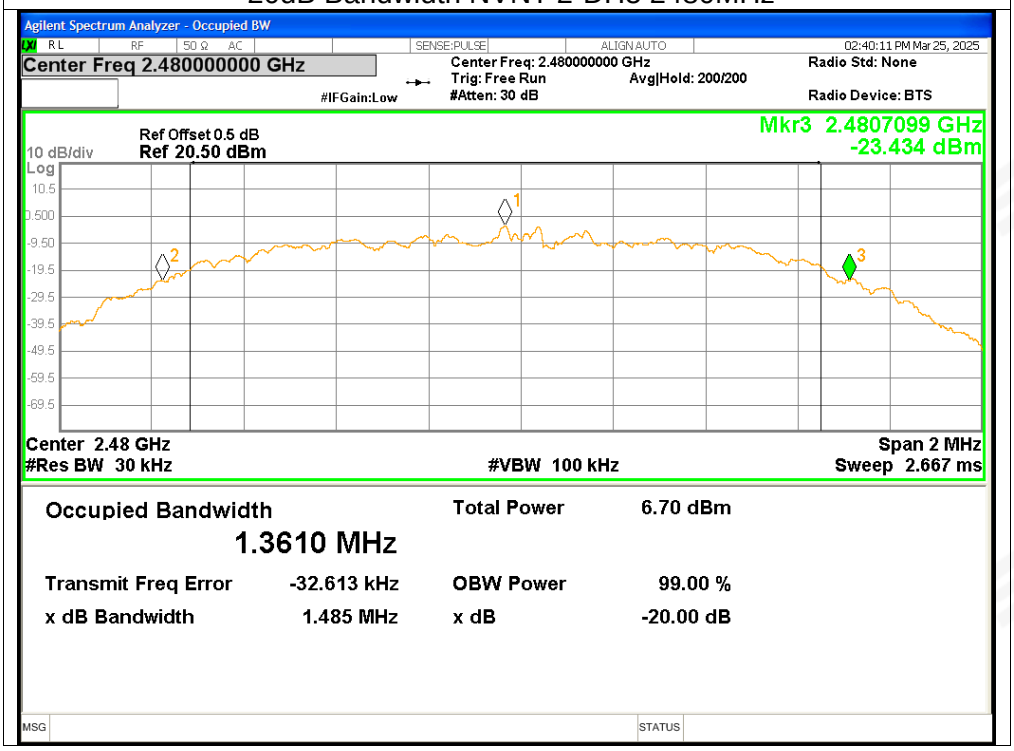
-20dB Bandwidth NVNT 2-DH5 2402MHz



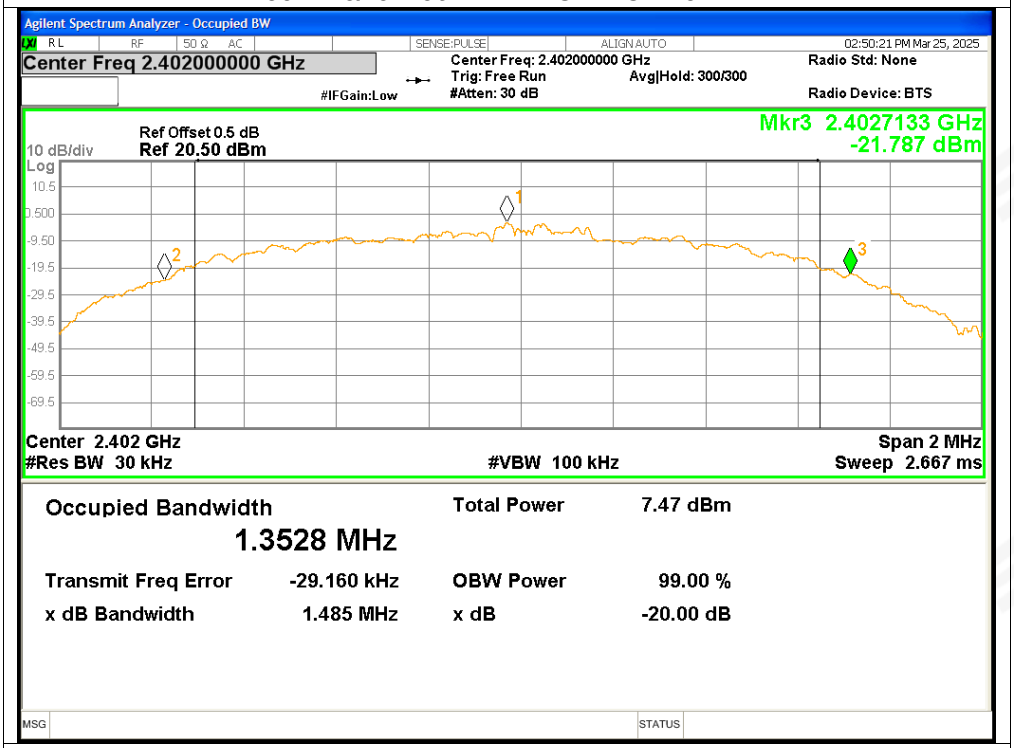
-20dB Bandwidth NVNT 2-DH5 2441MHz



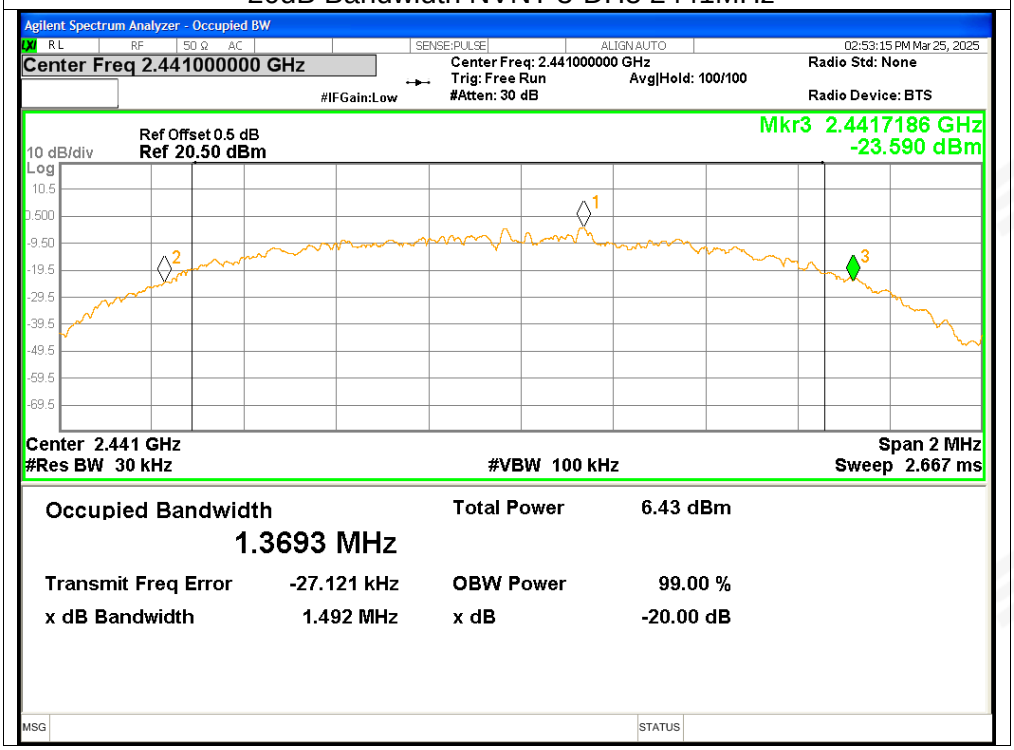
-20dB Bandwidth NVNT 2-DH5 2480MHz



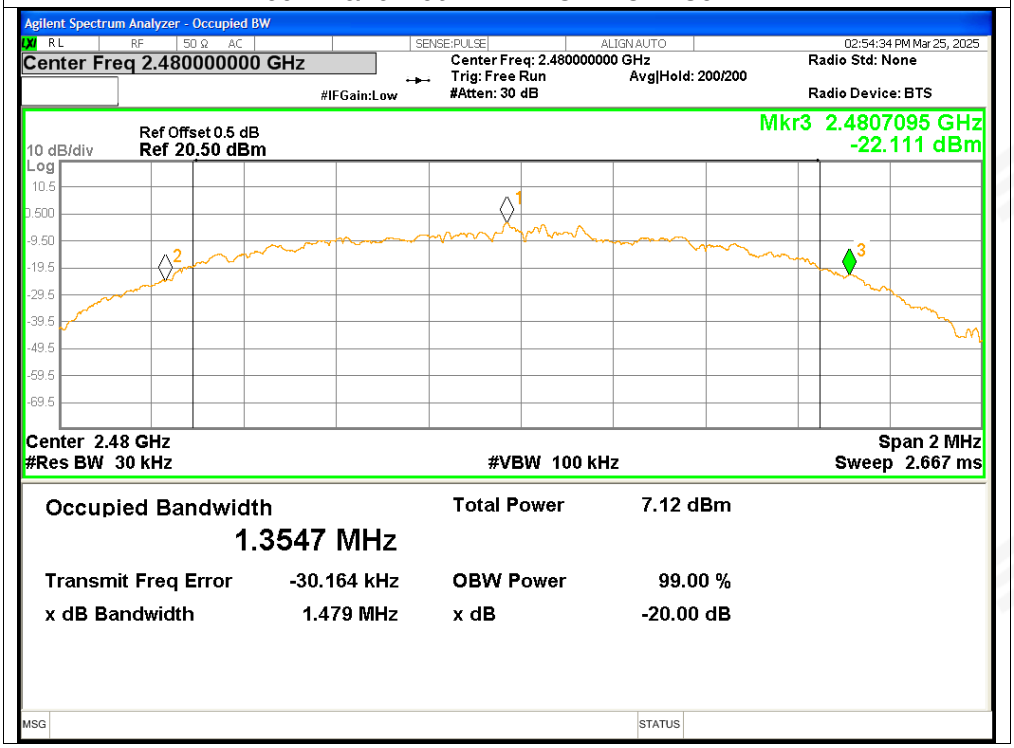
-20dB Bandwidth NVNT 3-DH5 2402MHz



-20dB Bandwidth NVNT 3-DH5 2441MHz



-20dB Bandwidth NVNT 3-DH5 2480MHz

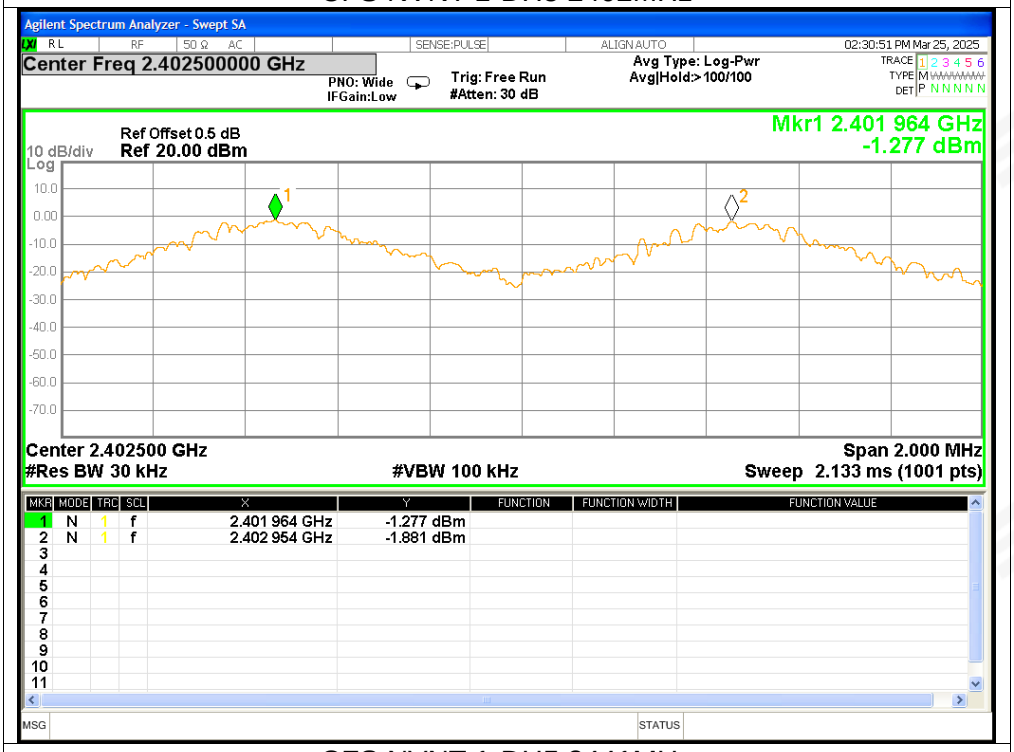


4. Carrier Frequencies Separation

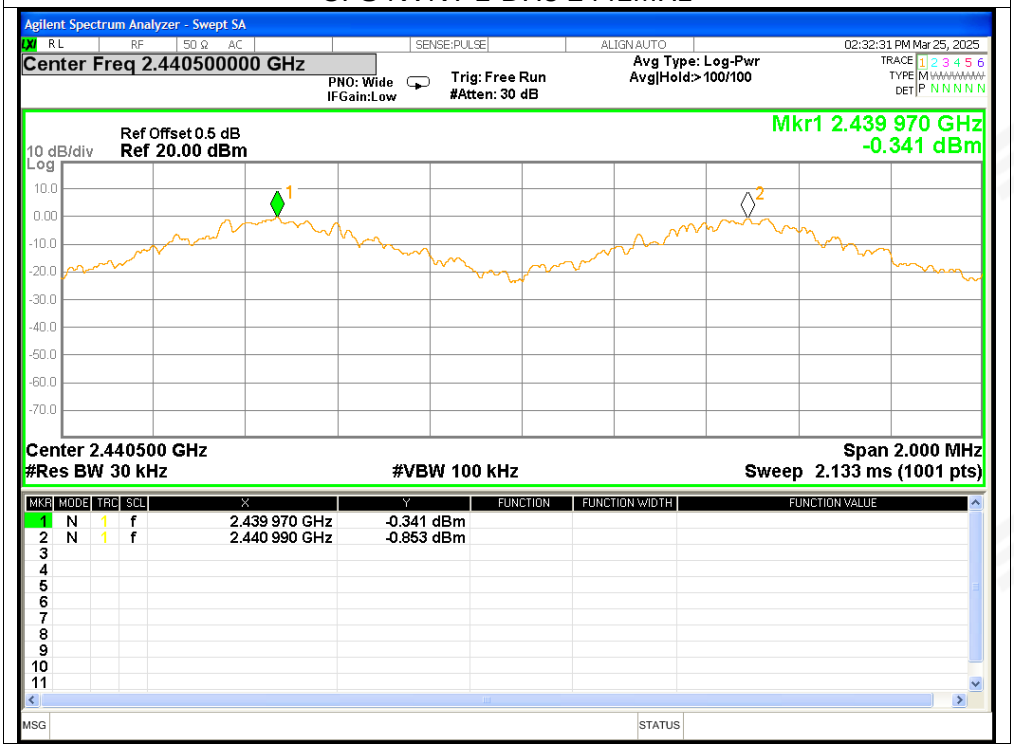
Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.964	2402.954	0.99	>=0.633	Pass
NVNT	1-DH5	2439.97	2440.99	1.02	>=0.634	Pass
NVNT	1-DH5	2479.052	2480.03	0.978	>=0.639	Pass
NVNT	2-DH5	2401.972	2403.106	1.134	>=0.995	Pass
NVNT	2-DH5	2440.95	2441.982	1.032	>=0.99	Pass
NVNT	2-DH5	2478.788	2479.968	1.18	>=0.99	Pass
NVNT	3-DH5	2401.982	2403.128	1.146	>=0.99	Pass
NVNT	3-DH5	2441.044	2442.126	1.082	>=0.994	Pass
NVNT	3-DH5	2478.962	2480.078	1.116	>=0.986	Pass

Test Graphs

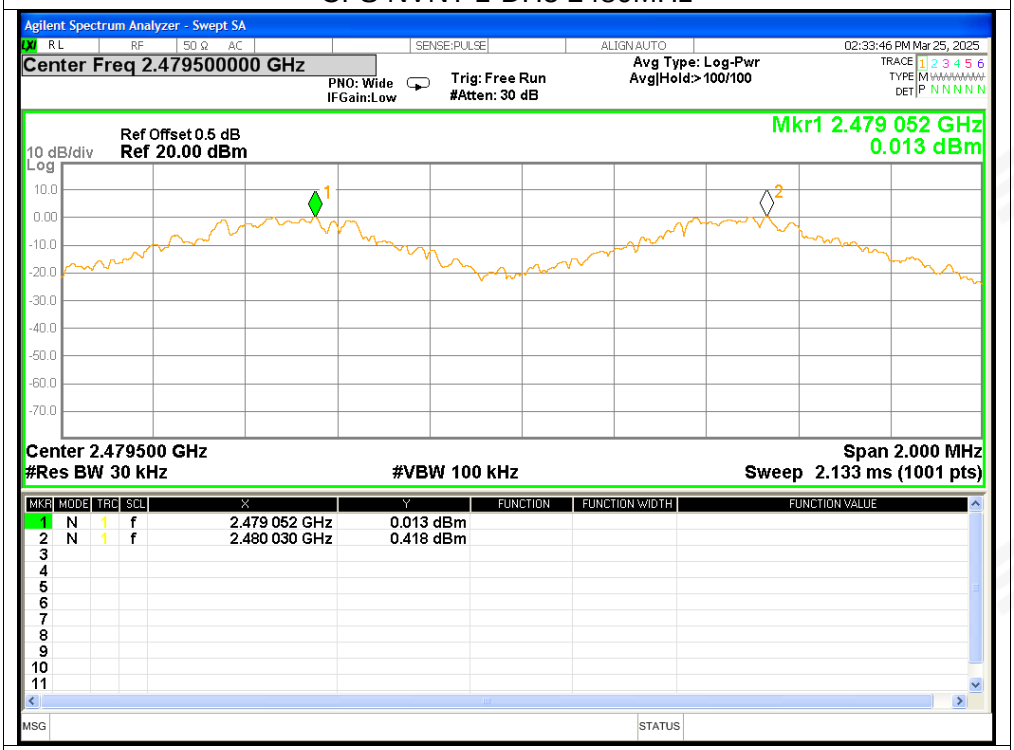
CFS NVNT 1-DH5 2402MHz



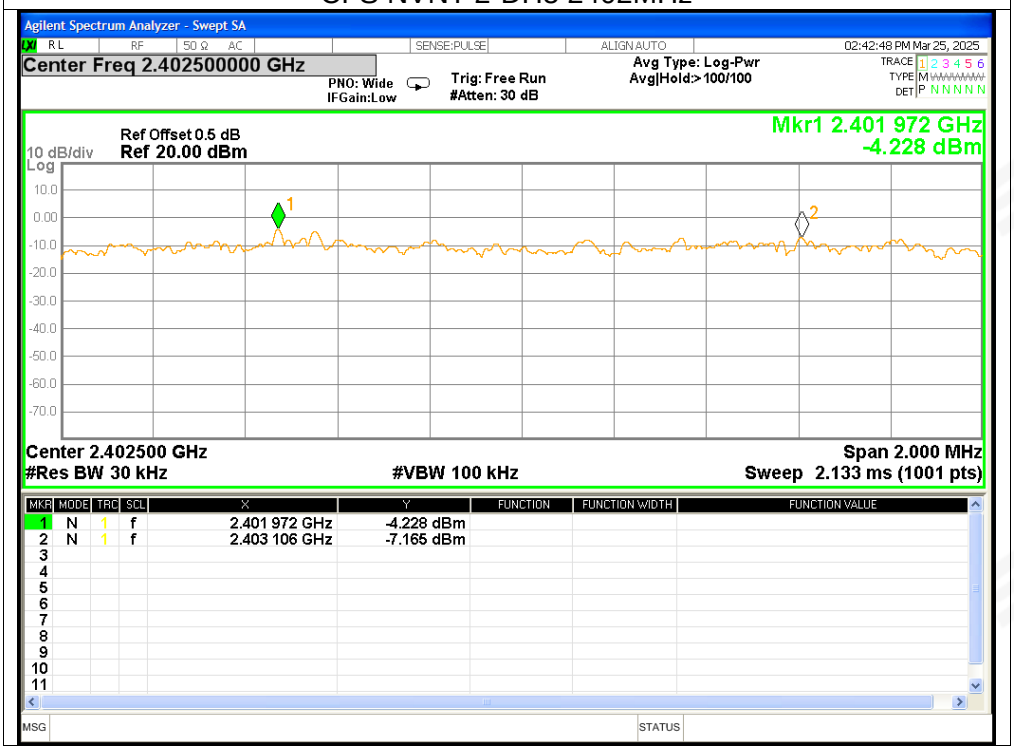
CFS NVNT 1-DH5 2441MHz



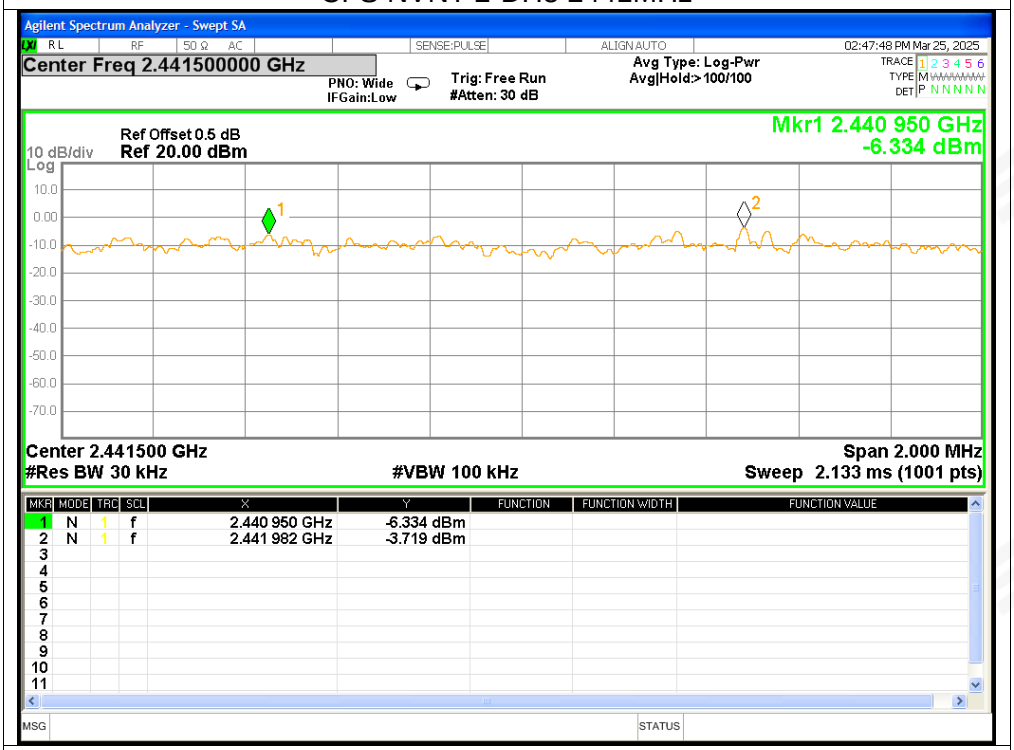
CFS NVNT 1-DH5 2480MHz



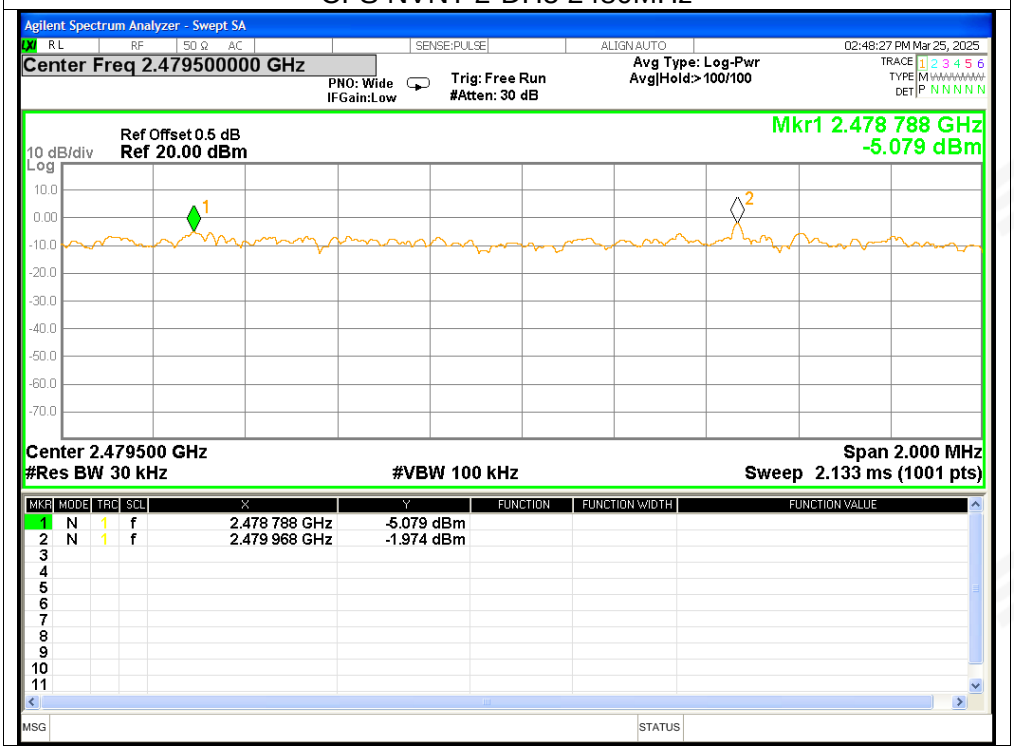
CFS NVNT 2-DH5 2402MHz



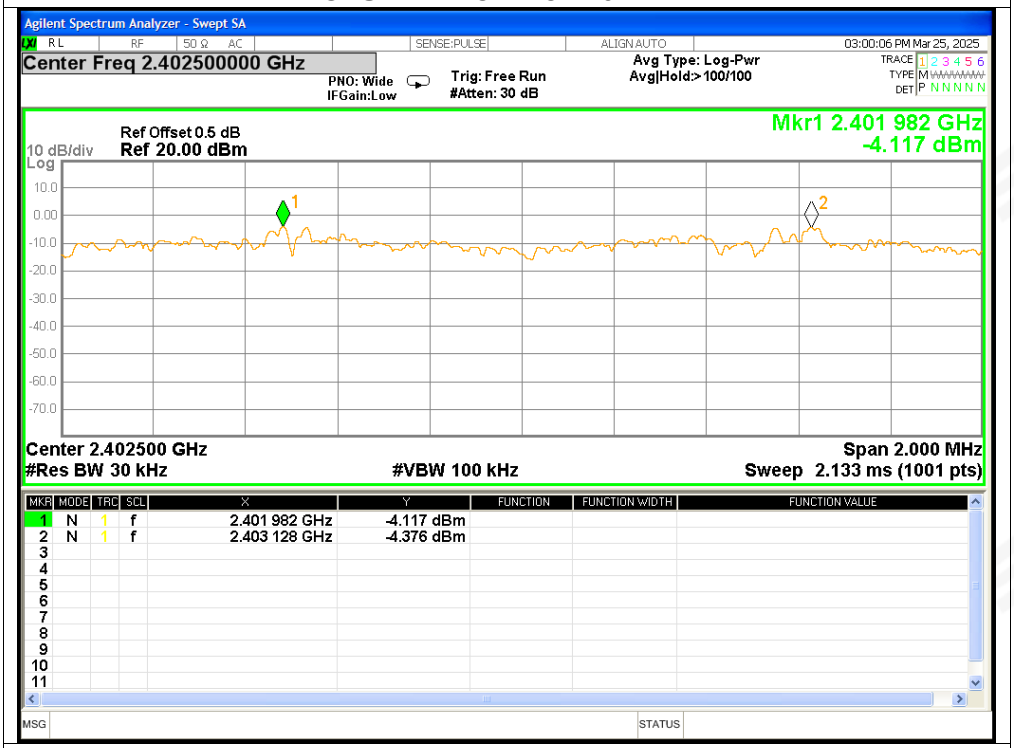
CFS NVNT 2-DH5 2441MHz



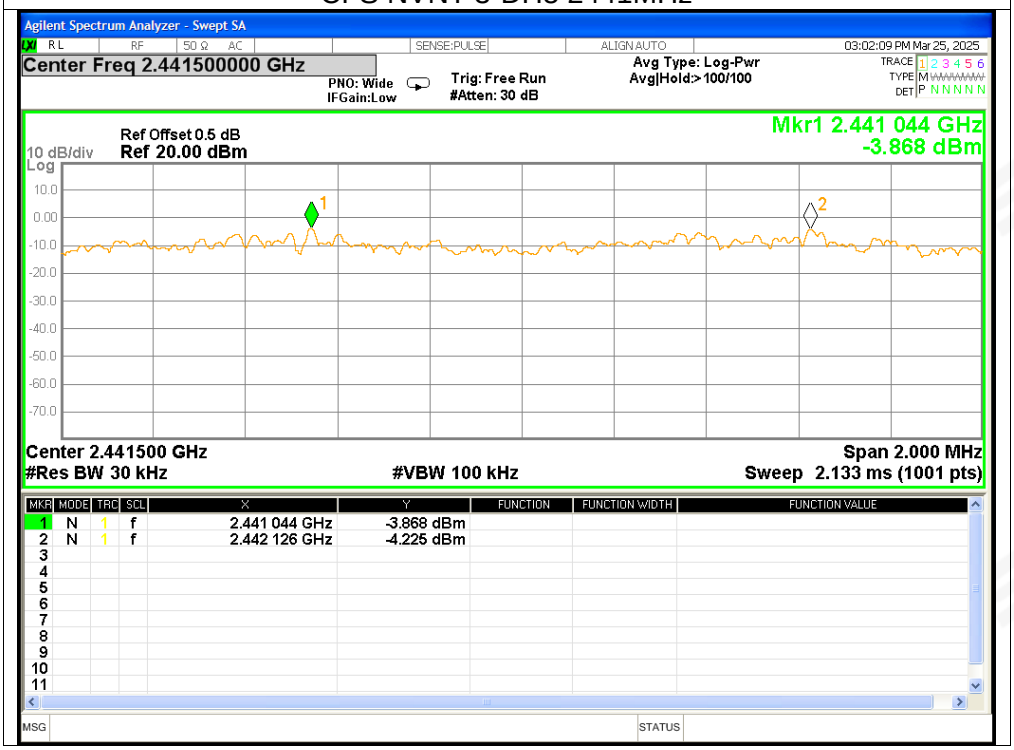
CFS NVNT 2-DH5 2480MHz



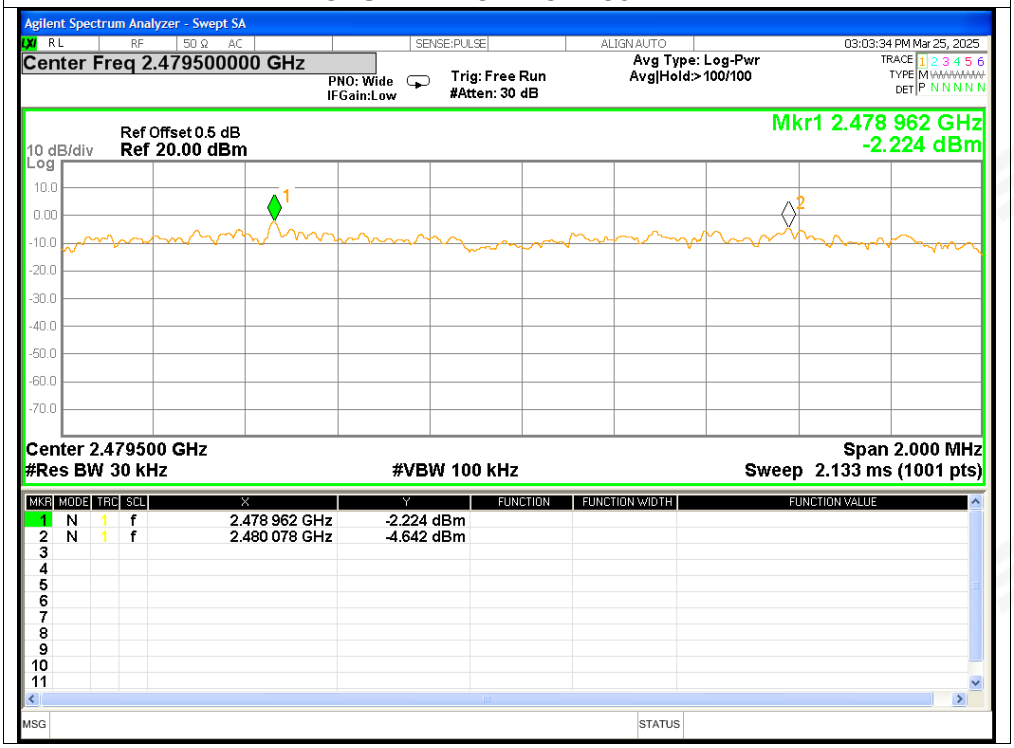
CFS NVNT 3-DH5 2402MHz



CFS NVNT 3-DH5 2441MHz



CFS NVNT 3-DH5 2480MHz



5. 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