



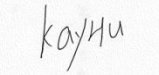
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Moon lamp speaker

Test Model: MLB-150

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Kay Hu
Supervised by:	 Li Huan



A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20dB Bandwidth(MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.932	---	Pass
NVNT	1-DH5	2441	Ant1	0.937	---	Pass
NVNT	1-DH5	2480	Ant1	0.96	---	Pass
NVNT	2-DH5	2402	Ant1	1.315	---	Pass
NVNT	2-DH5	2441	Ant1	1.341	---	Pass
NVNT	2-DH5	2480	Ant1	1.313	---	Pass
NVNT	3-DH5	2402	Ant1	1.294	---	Pass
NVNT	3-DH5	2441	Ant1	1.293	---	Pass
NVNT	3-DH5	2480	Ant1	1.31	---	Pass



Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

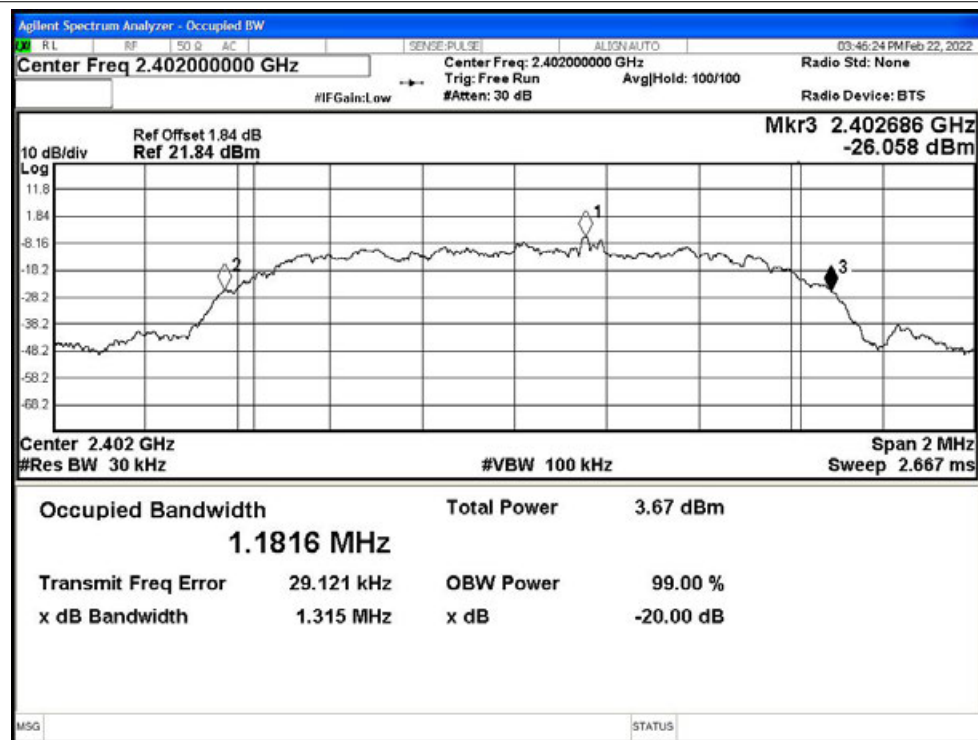




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

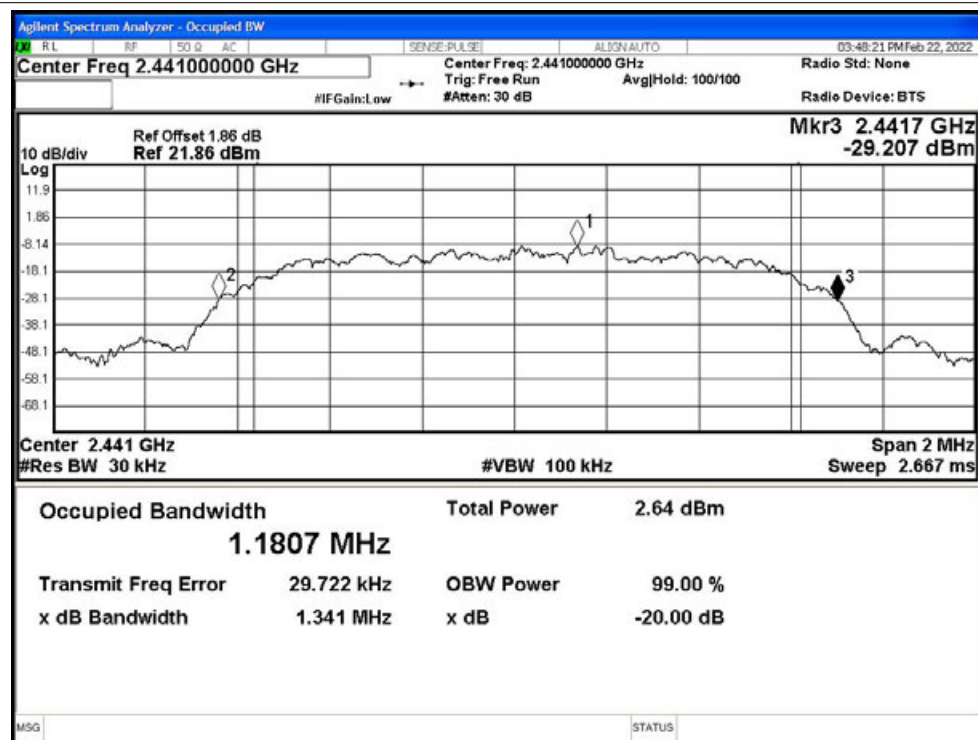


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

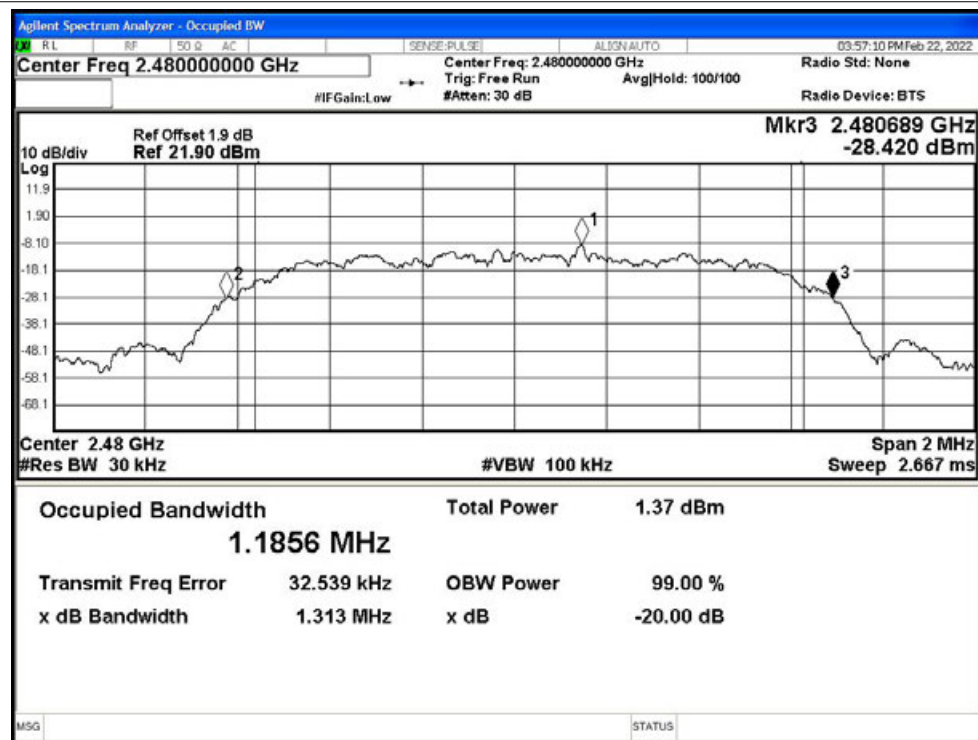




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

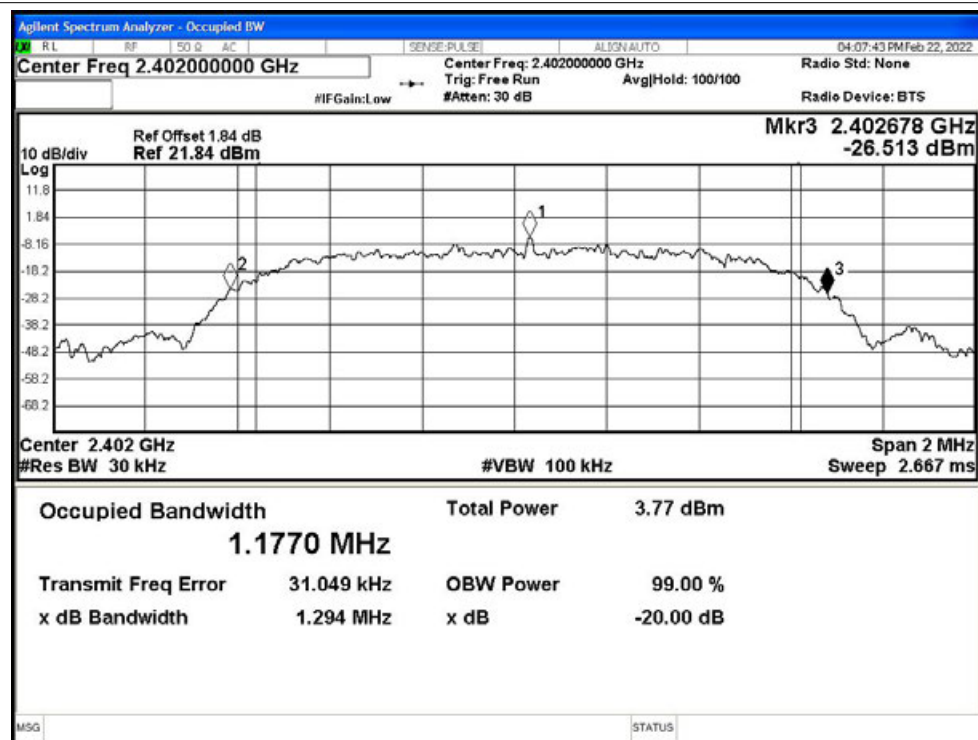


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

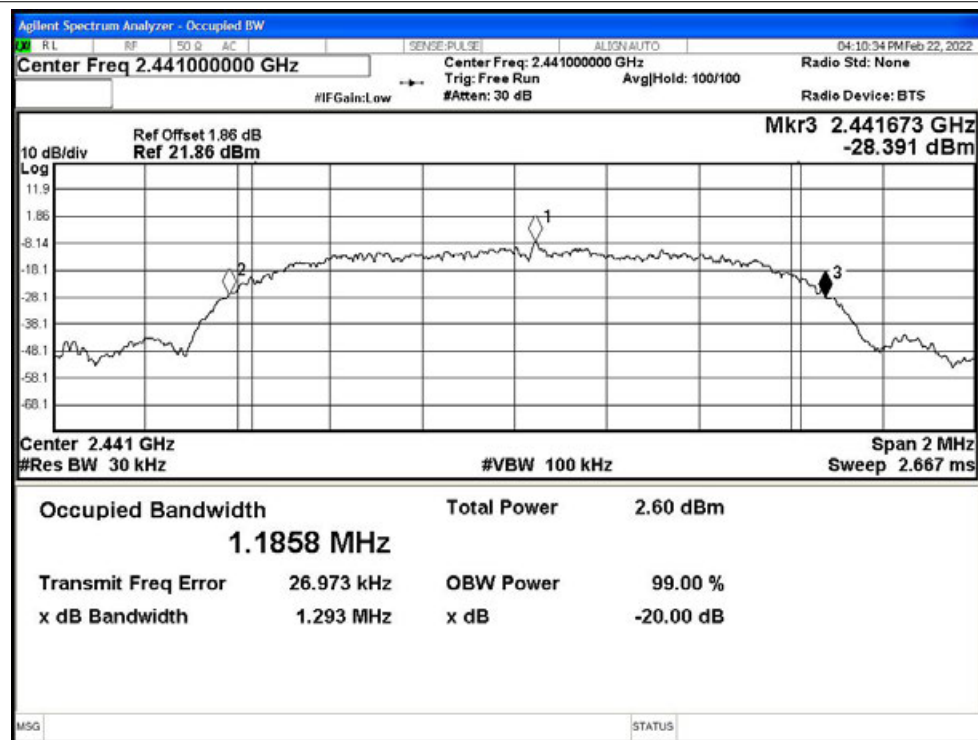




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

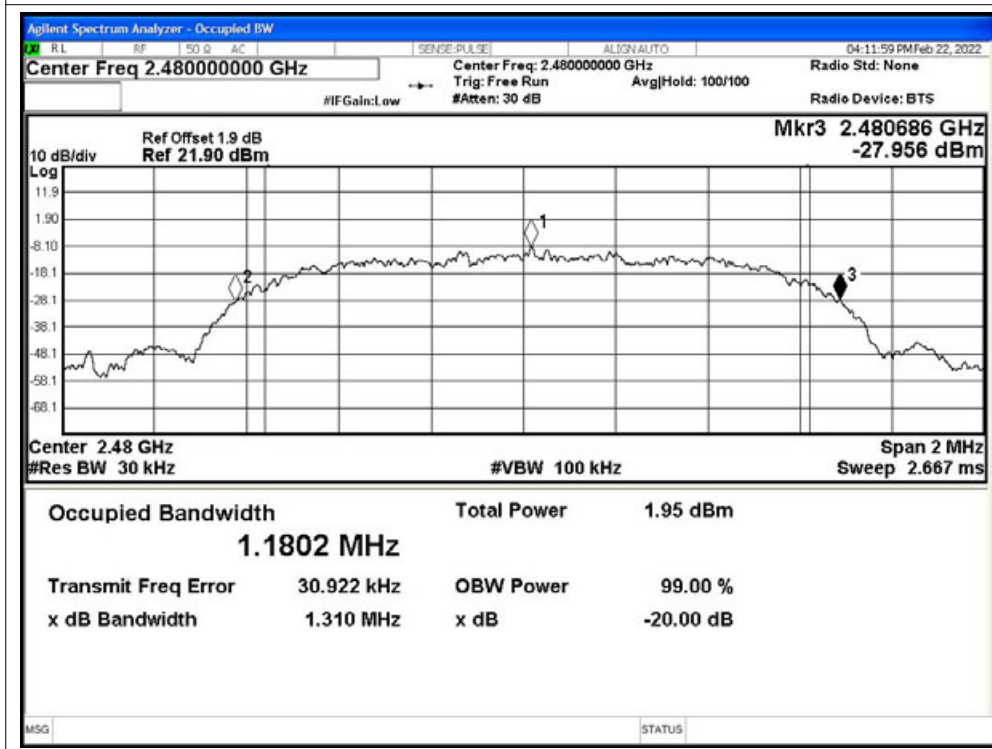


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





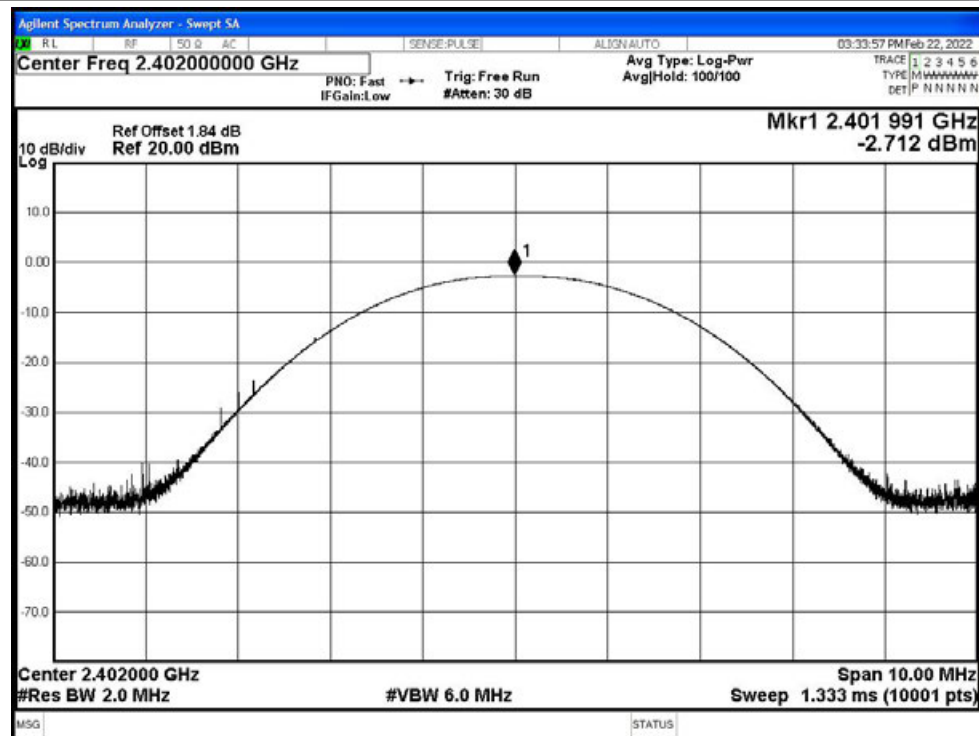
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Result [dBm]	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-2.71	≤30	Pass
NVNT	1-DH5	2441	Ant1	-3.82	≤30	Pass
NVNT	1-DH5	2480	Ant1	-4.88	≤30	Pass
NVNT	2-DH5	2402	Ant1	-0.04	≤20.97	Pass
NVNT	2-DH5	2441	Ant1	-1.28	≤20.97	Pass
NVNT	2-DH5	2480	Ant1	-2.49	≤20.97	Pass
NVNT	3-DH5	2402	Ant1	0.49	≤20.97	Pass
NVNT	3-DH5	2441	Ant1	-0.78	≤20.97	Pass
NVNT	3-DH5	2480	Ant1	-1.95	≤20.97	Pass

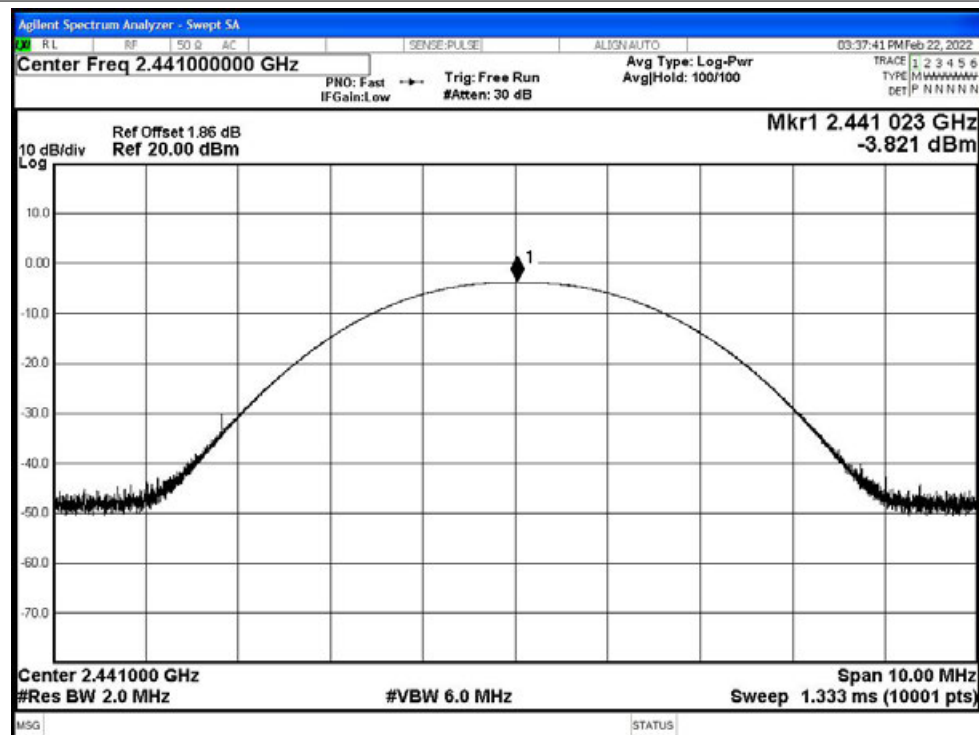


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

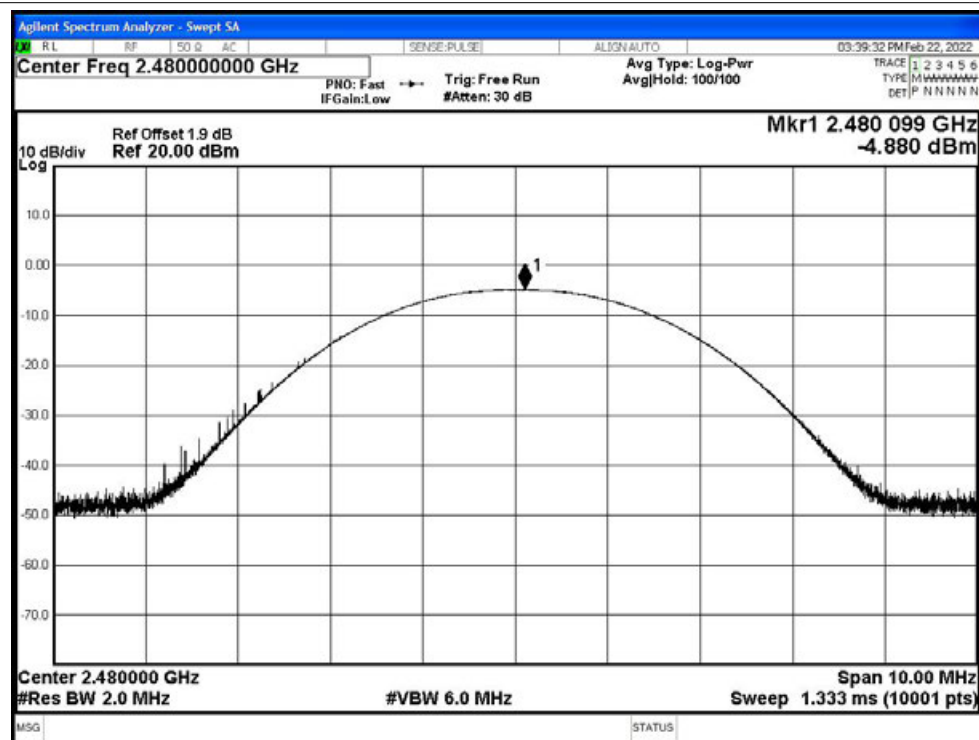


Power NVNT 1-DH5 2441MHz Ant1

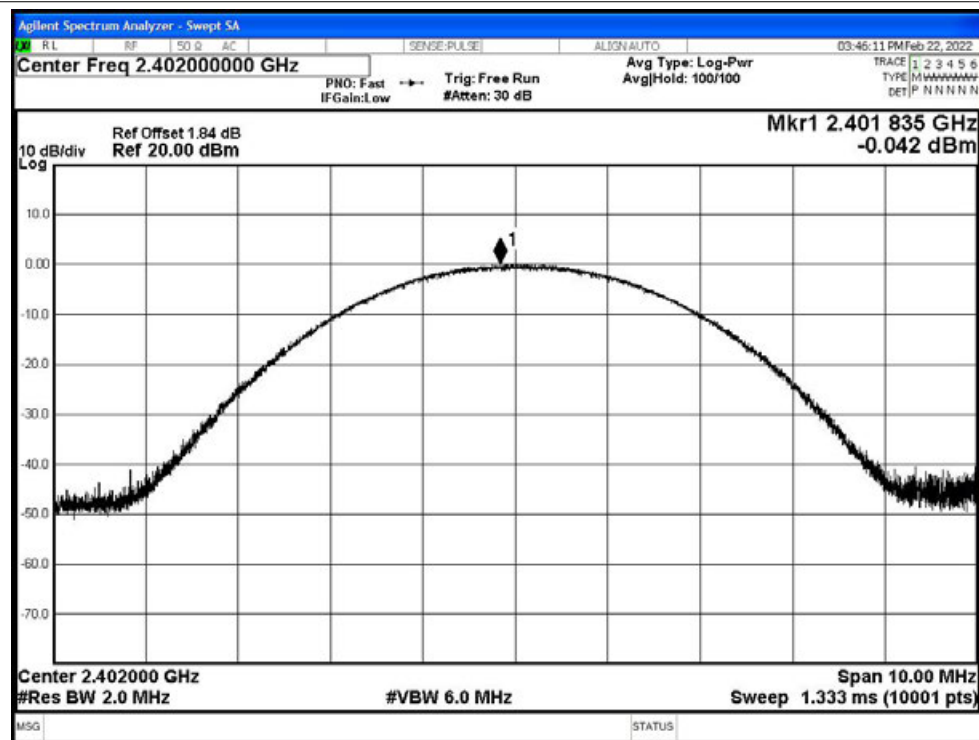




Power NVNT 1-DH5 2480MHz Ant1

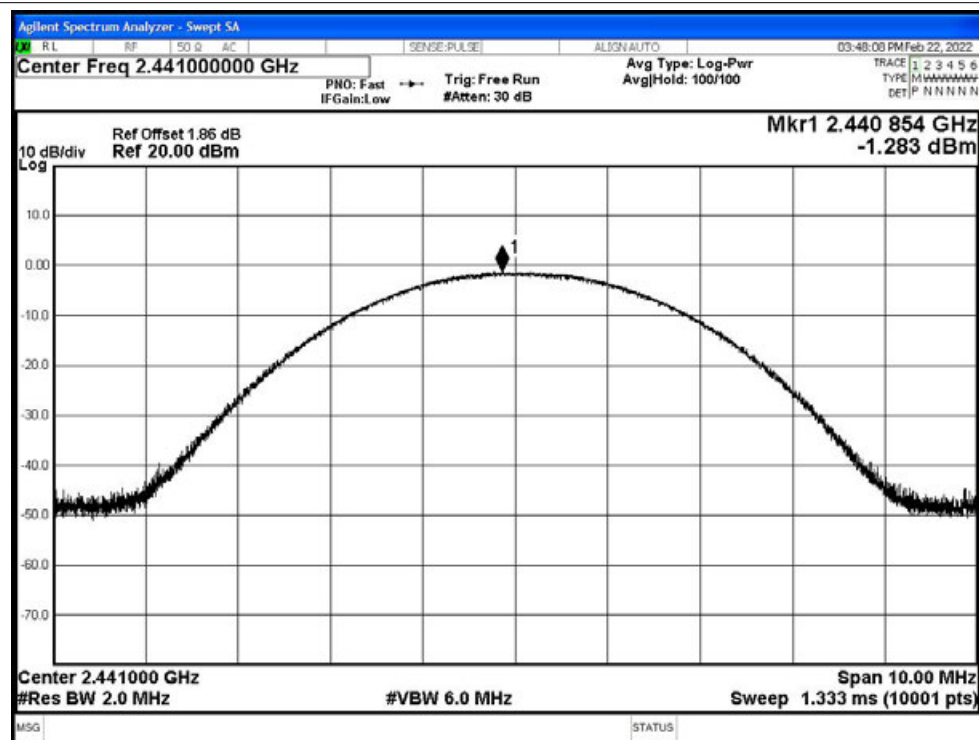


Power NVNT 2-DH5 2402MHz Ant1

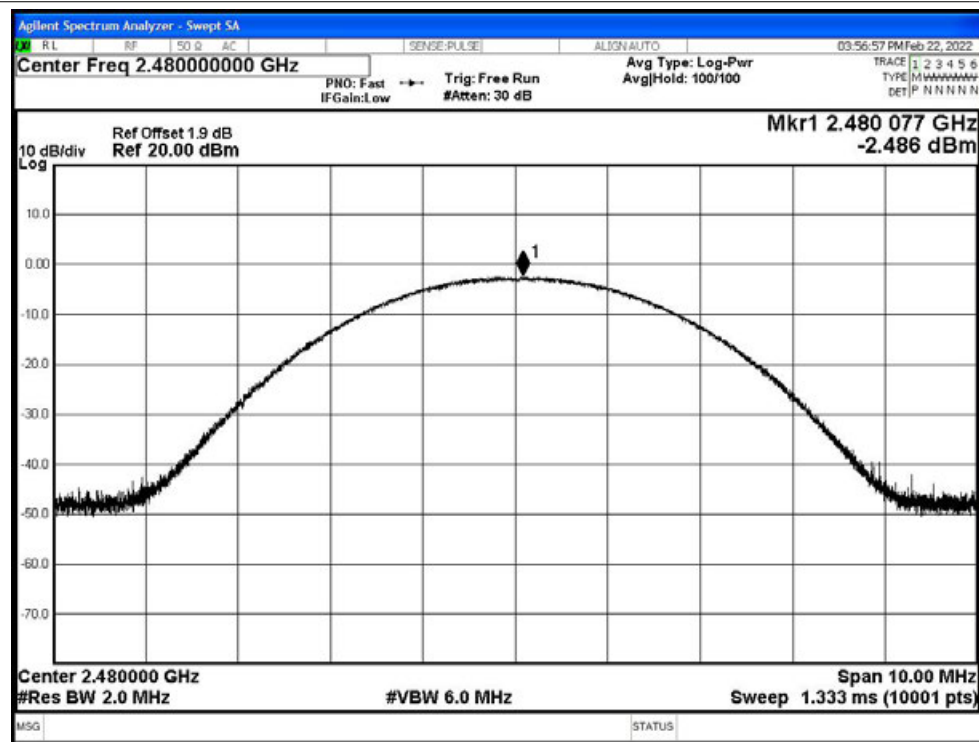




Power NVNT 2-DH5 2441MHz Ant1

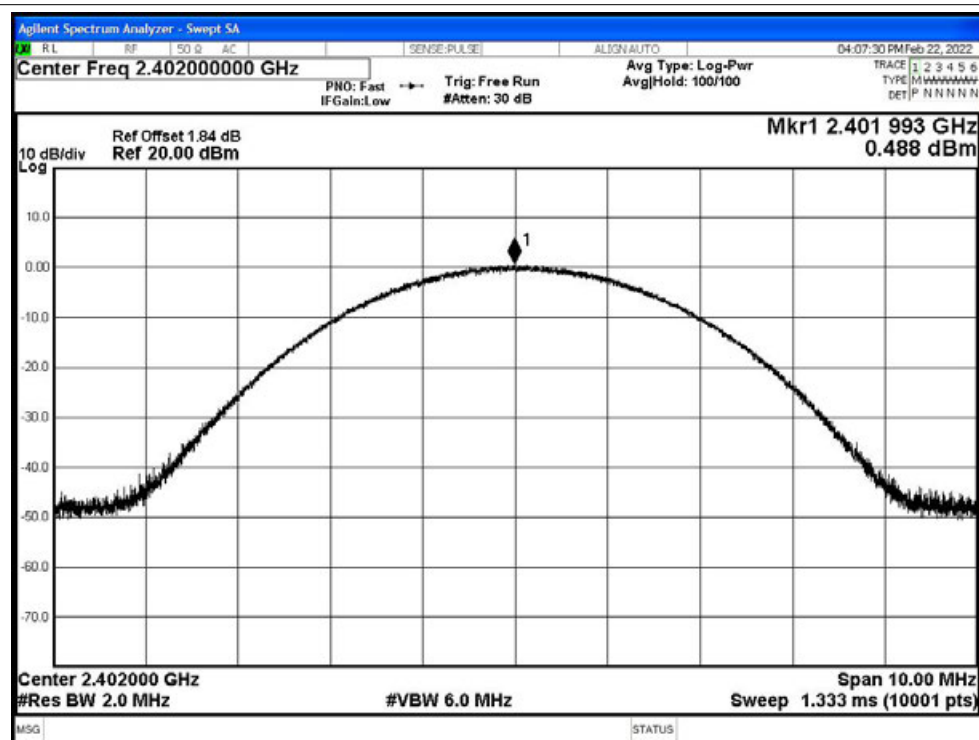


Power NVNT 2-DH5 2480MHz Ant1

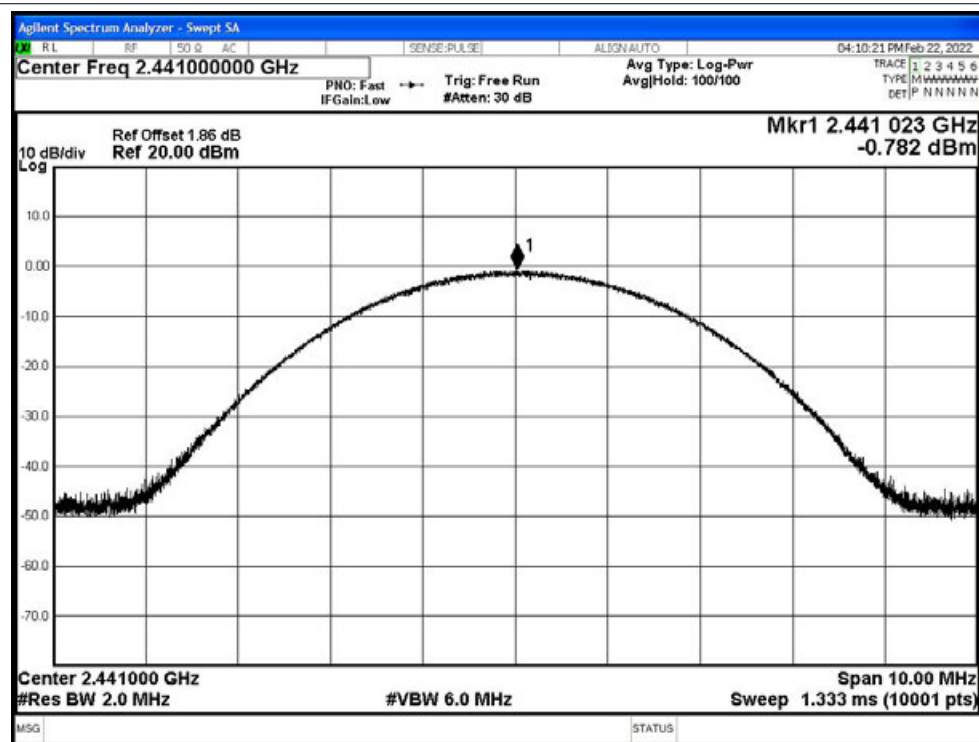


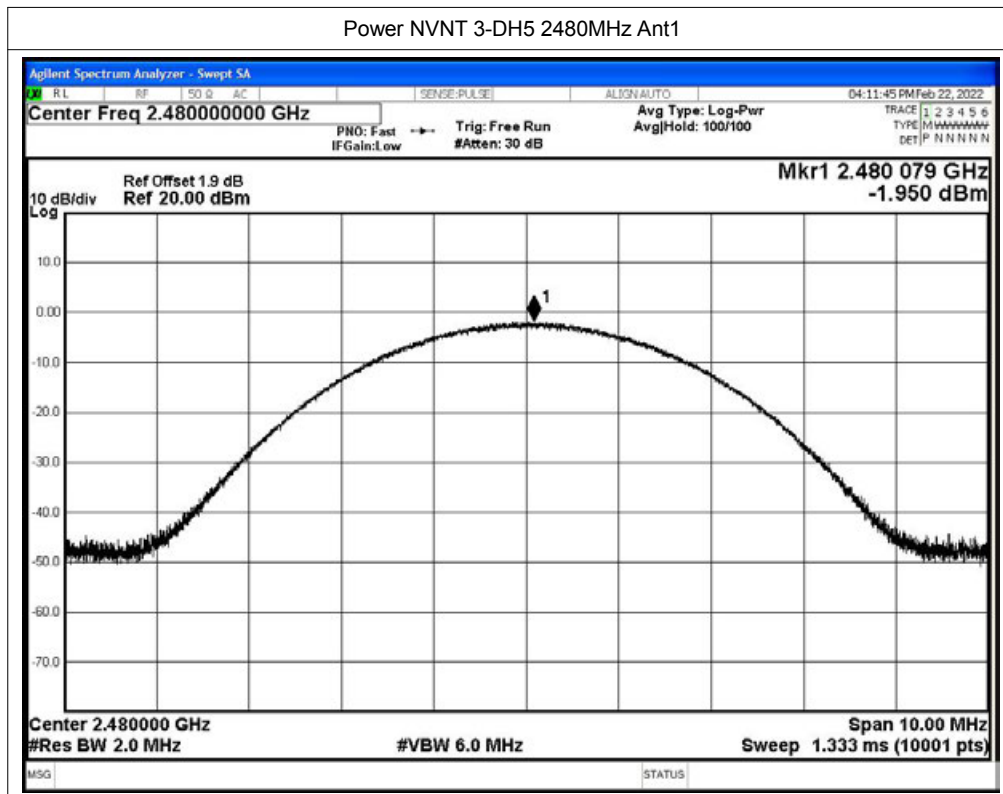


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







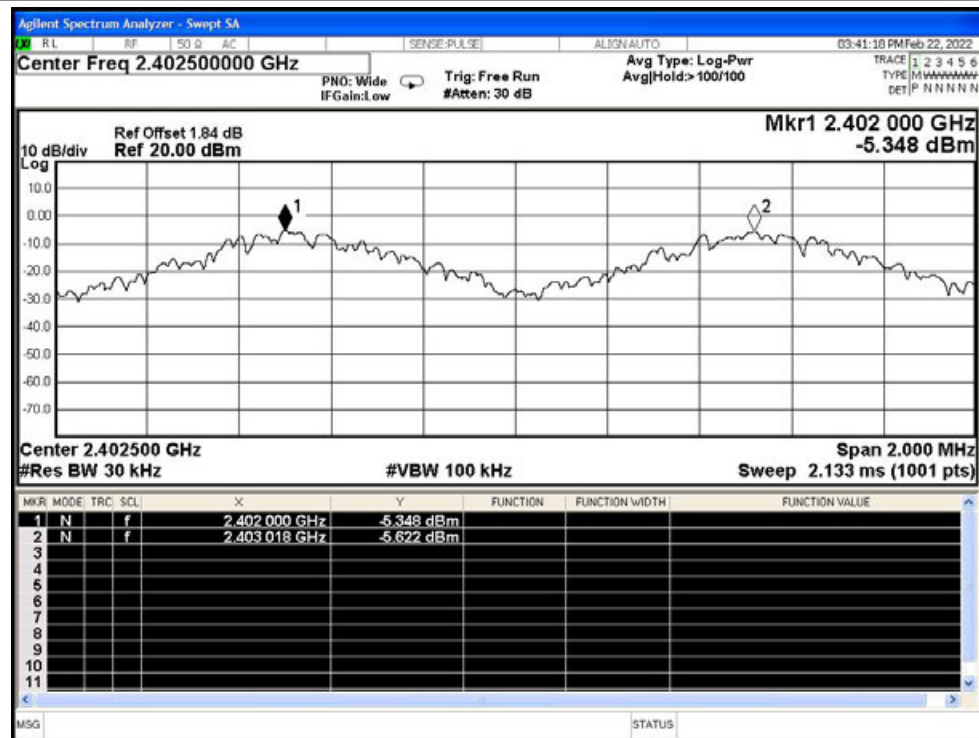
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402	2403.018	1.018	≥ 0.932	Pass
NVNT	1-DH5	Ant1	2441.09	2442.02	0.930	≥ 0.937	Pass
NVNT	1-DH5	Ant1	2479.044	2480.026	0.982	≥ 0.960	Pass
NVNT	2-DH5	Ant1	2402.148	2403.012	0.864	≥ 0.877	Pass
NVNT	2-DH5	Ant1	2441.016	2442.142	1.126	≥ 0.894	Pass
NVNT	2-DH5	Ant1	2478.992	2480.164	1.172	≥ 0.875	Pass
NVNT	3-DH5	Ant1	2402.026	2403.022	0.996	≥ 0.863	Pass
NVNT	3-DH5	Ant1	2441.048	2442.008	0.960	≥ 0.862	Pass
NVNT	3-DH5	Ant1	2479.032	2480.032	1.000	≥ 0.873	Pass



Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1

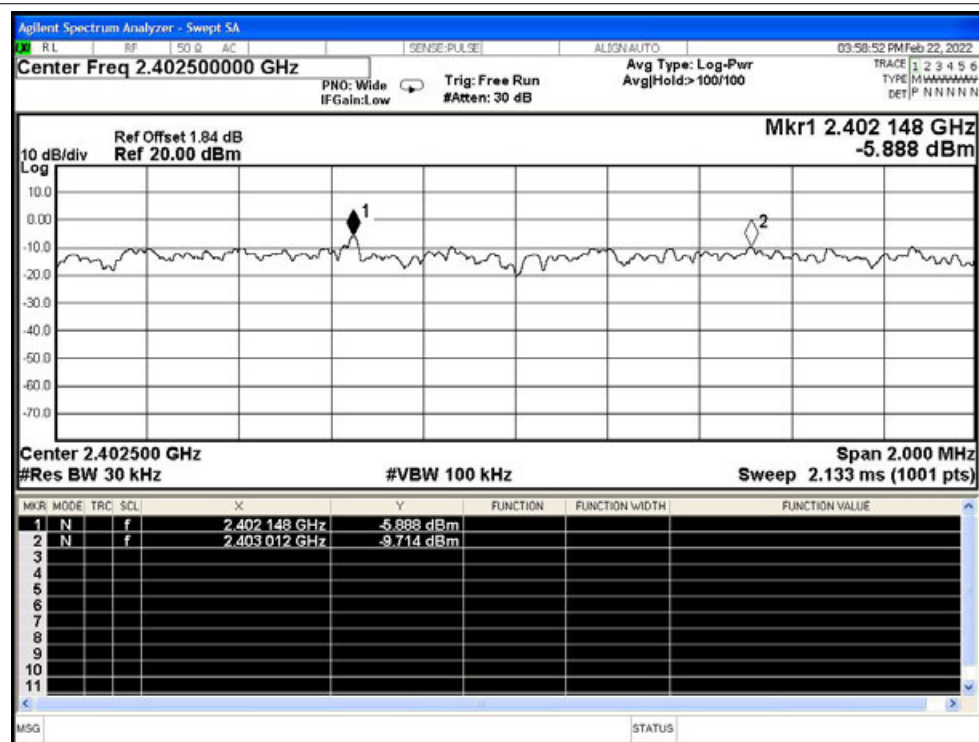




CFS NVNT 1-DH5 2480MHz Ant1

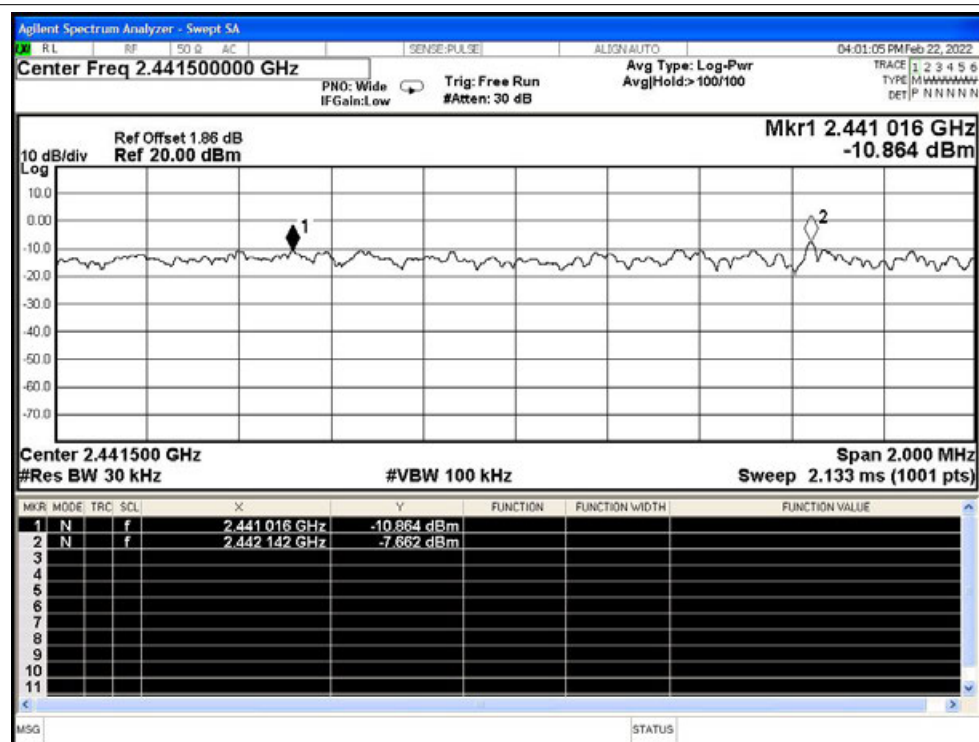


CFS NVNT 2-DH5 2402MHz Ant1

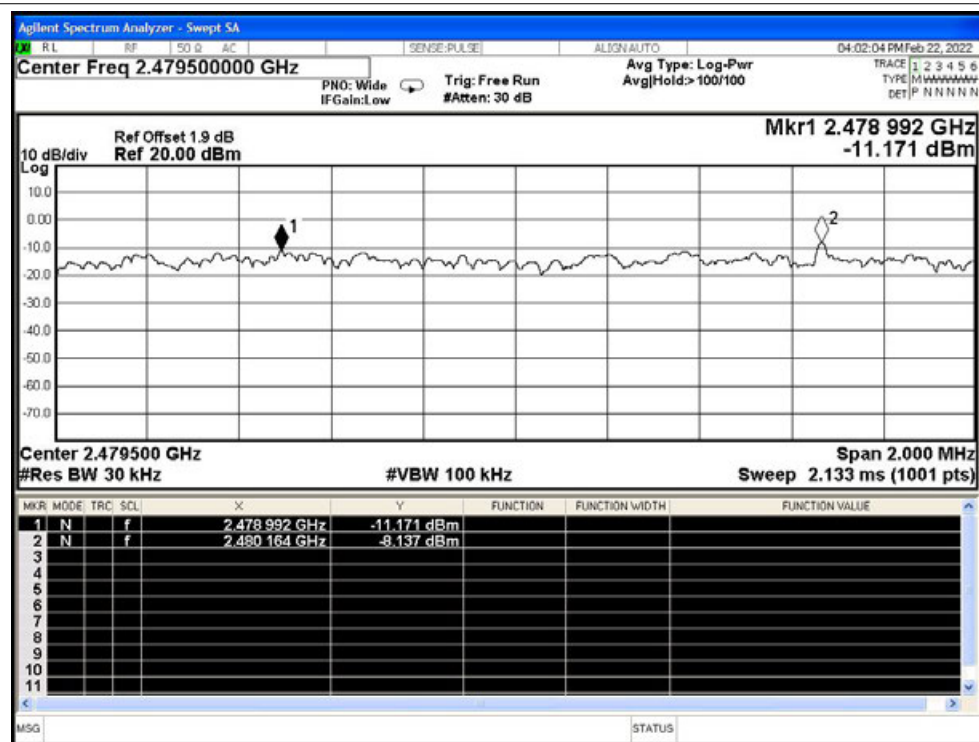




CFS NVNT 2-DH5 2441MHz Ant1

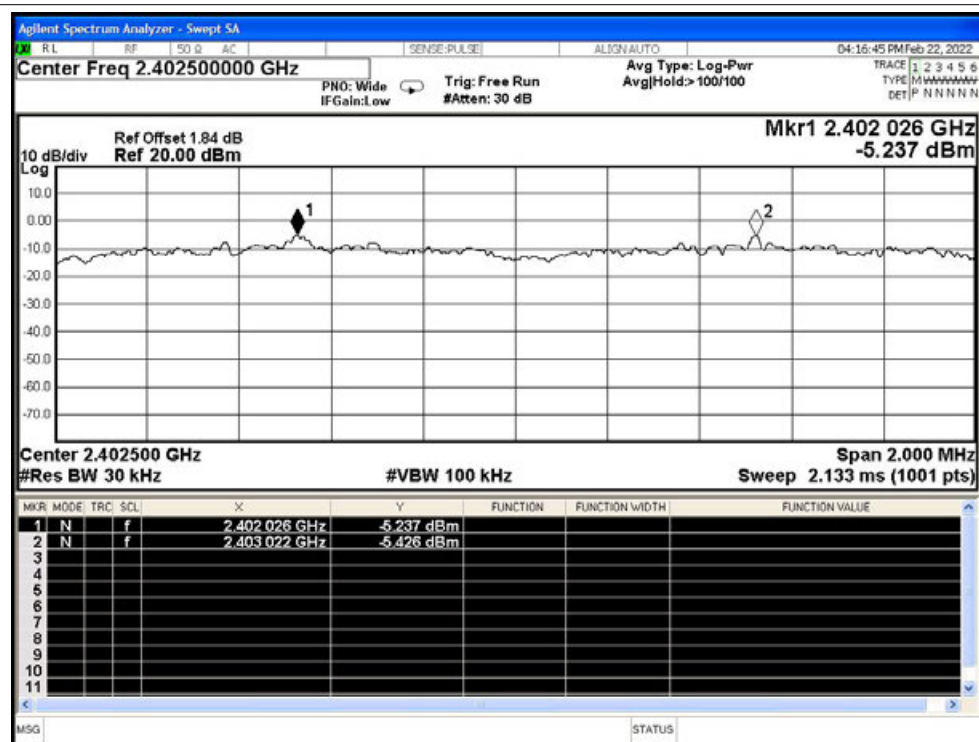


CFS NVNT 2-DH5 2480MHz Ant1

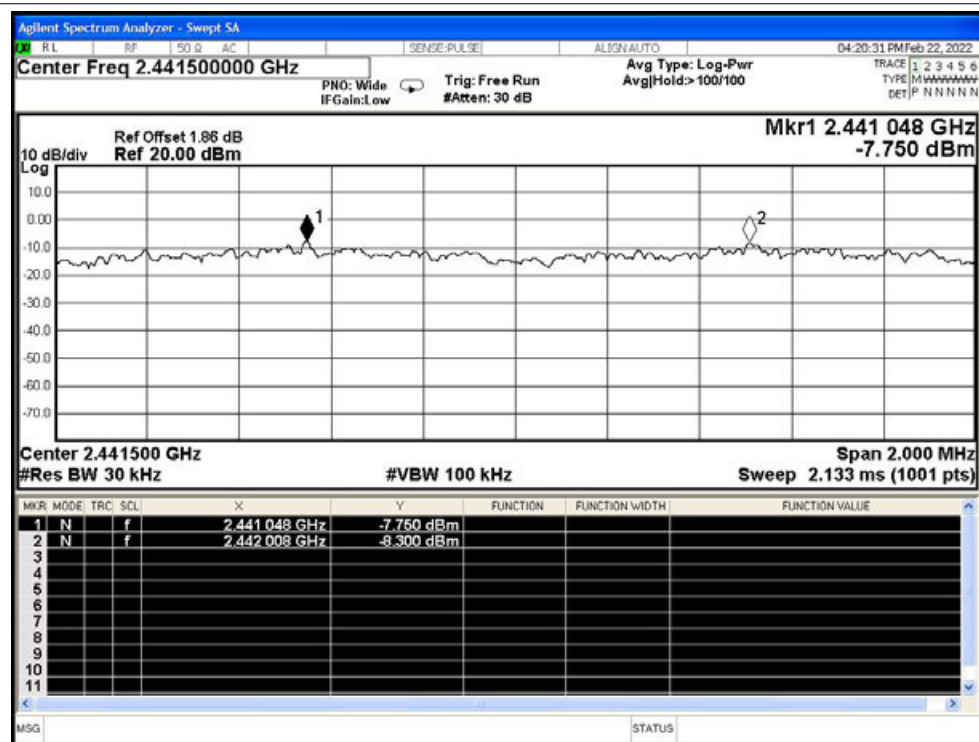


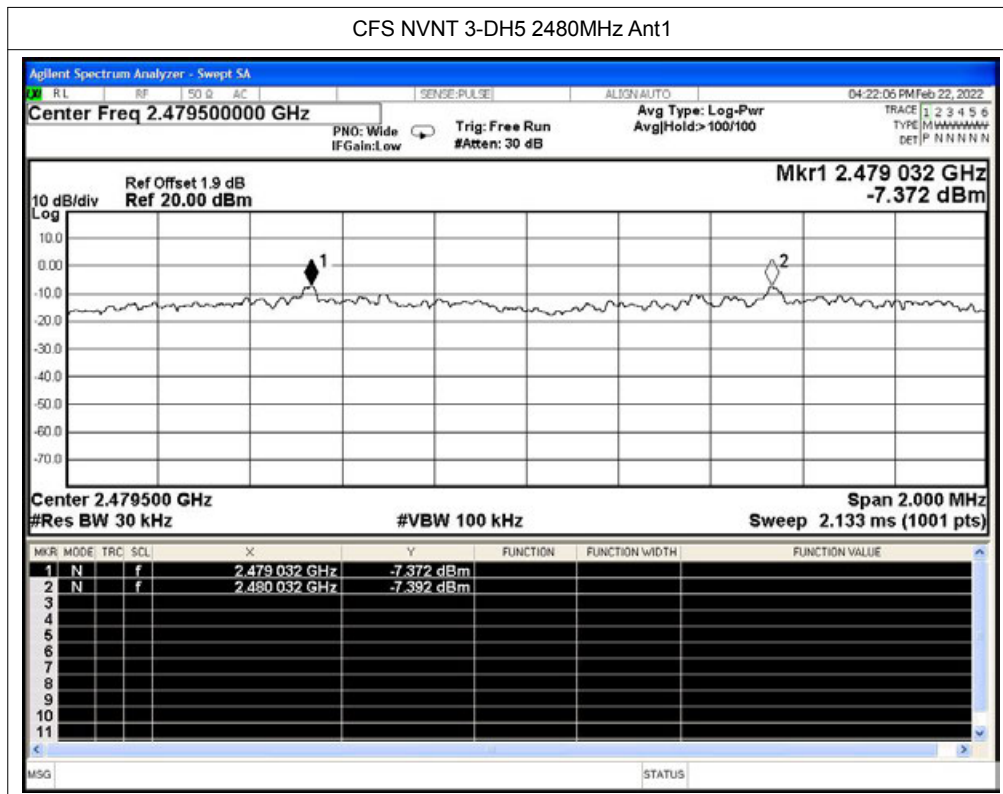


CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1







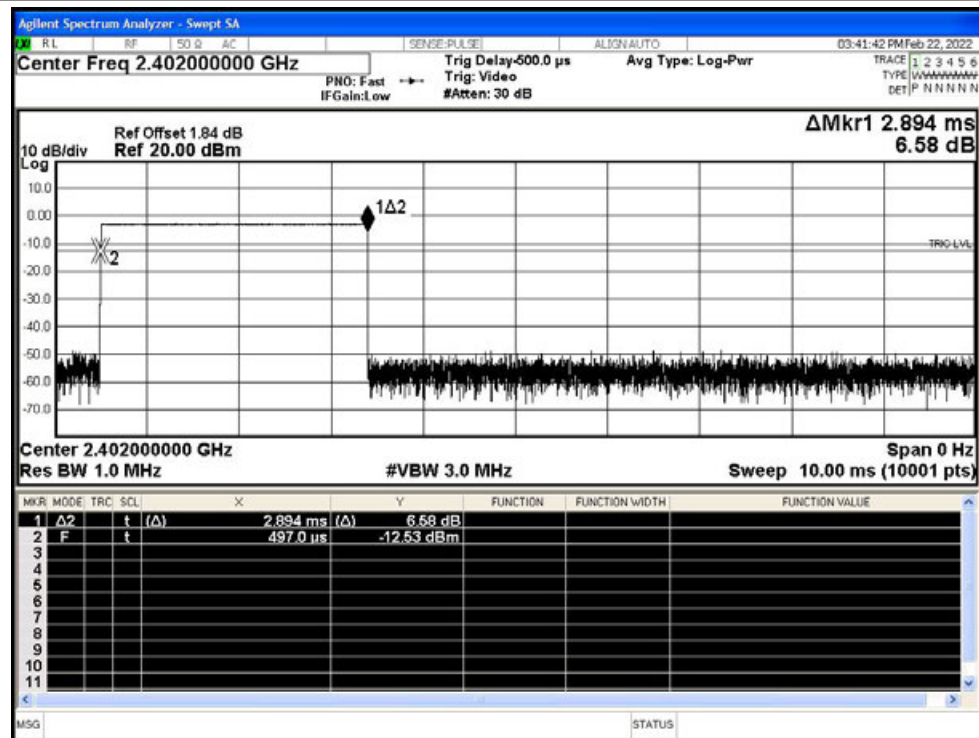
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Burst Count	Period Time (ms)	Total Dwell Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.894	112	31600	324.128	≤400	Pass
NVNT	1-DH5	2441	Ant1	2.891	98	31600	283.318	≤400	Pass
NVNT	1-DH5	2480	Ant1	2.891	106	31600	306.446	≤400	Pass
NVNT	2-DH5	2402	Ant1	2.895	110	31600	318.45	≤400	Pass
NVNT	2-DH5	2441	Ant1	2.898	100	31600	289.8	≤400	Pass
NVNT	2-DH5	2480	Ant1	2.899	104	31600	301.496	≤400	Pass
NVNT	3-DH5	2402	Ant1	2.897	110	31600	318.67	≤400	Pass
NVNT	3-DH5	2441	Ant1	2.901	112	31600	324.912	≤400	Pass
NVNT	3-DH5	2480	Ant1	2.899	96	31600	278.304	≤400	Pass

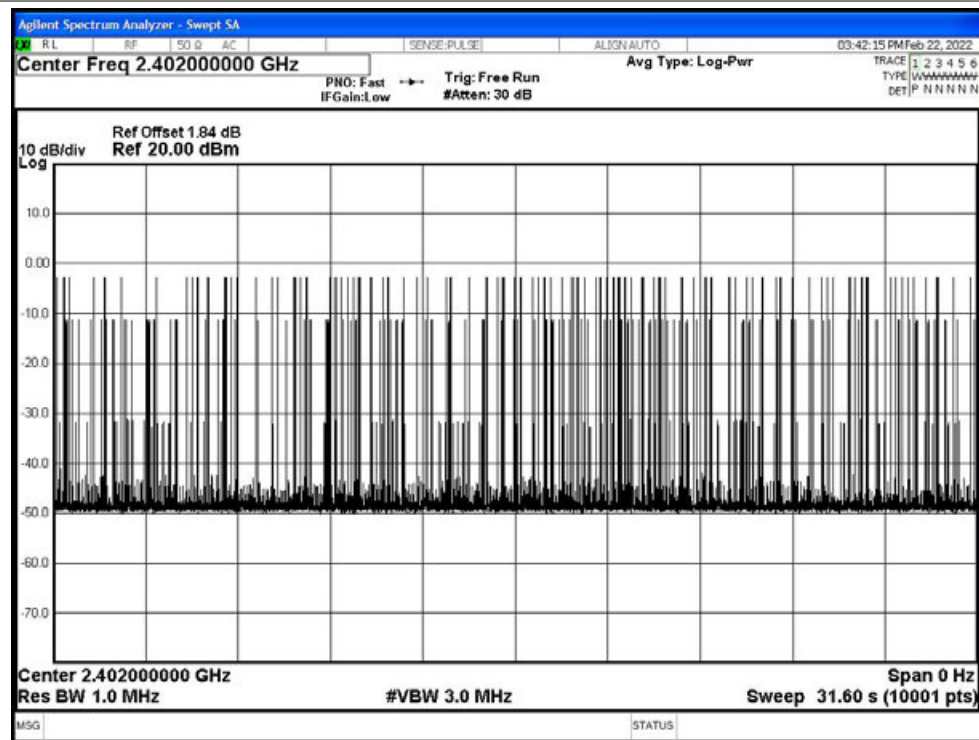


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

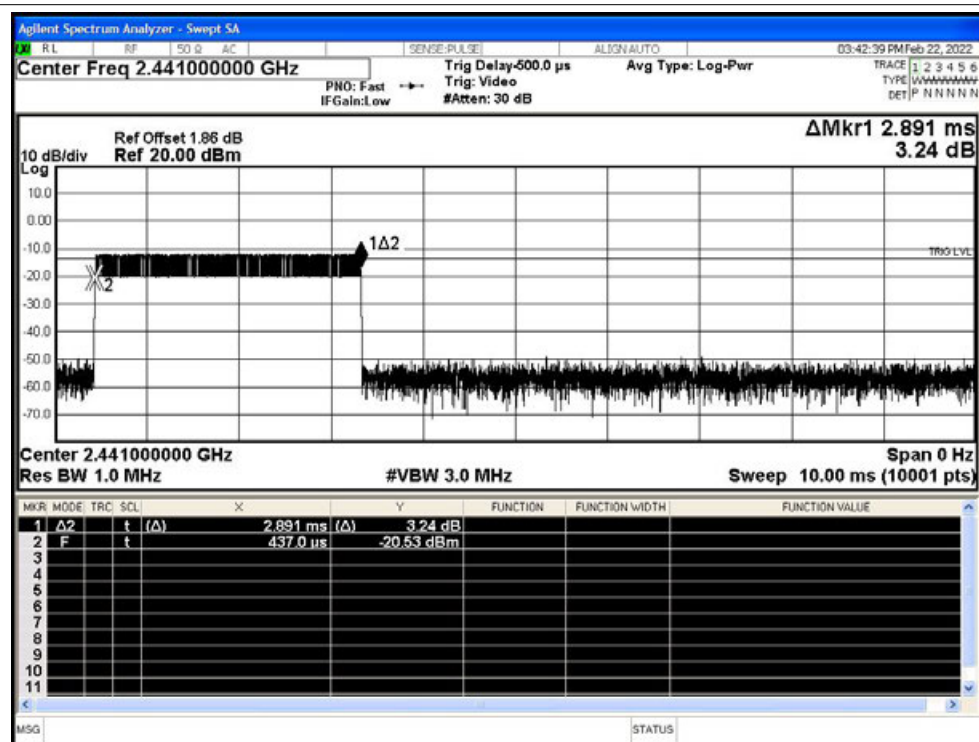


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

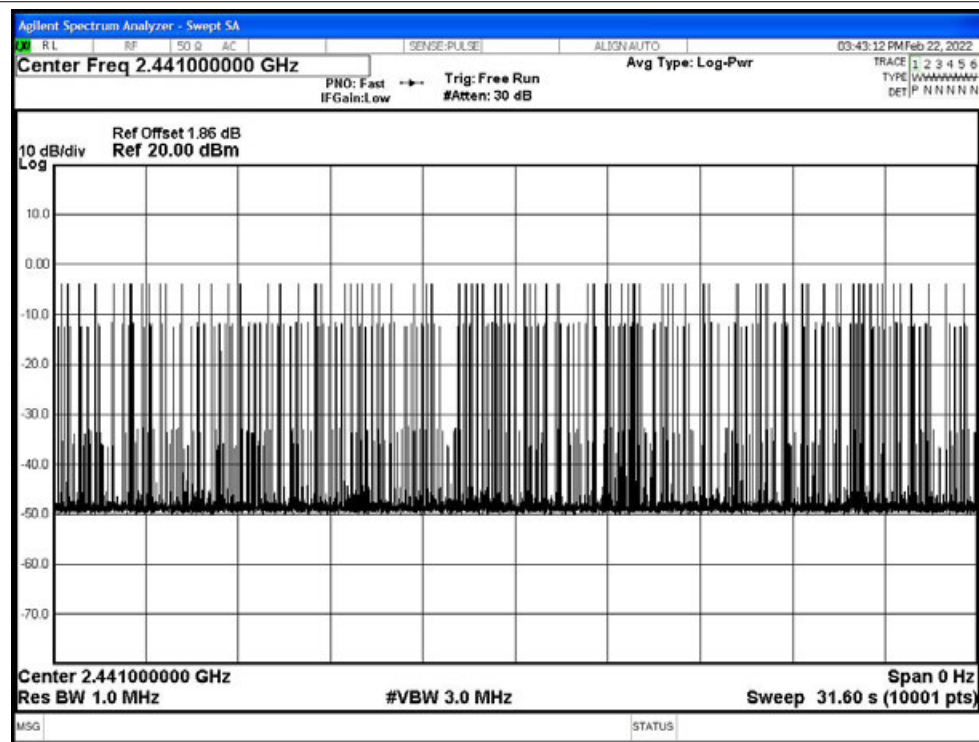




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

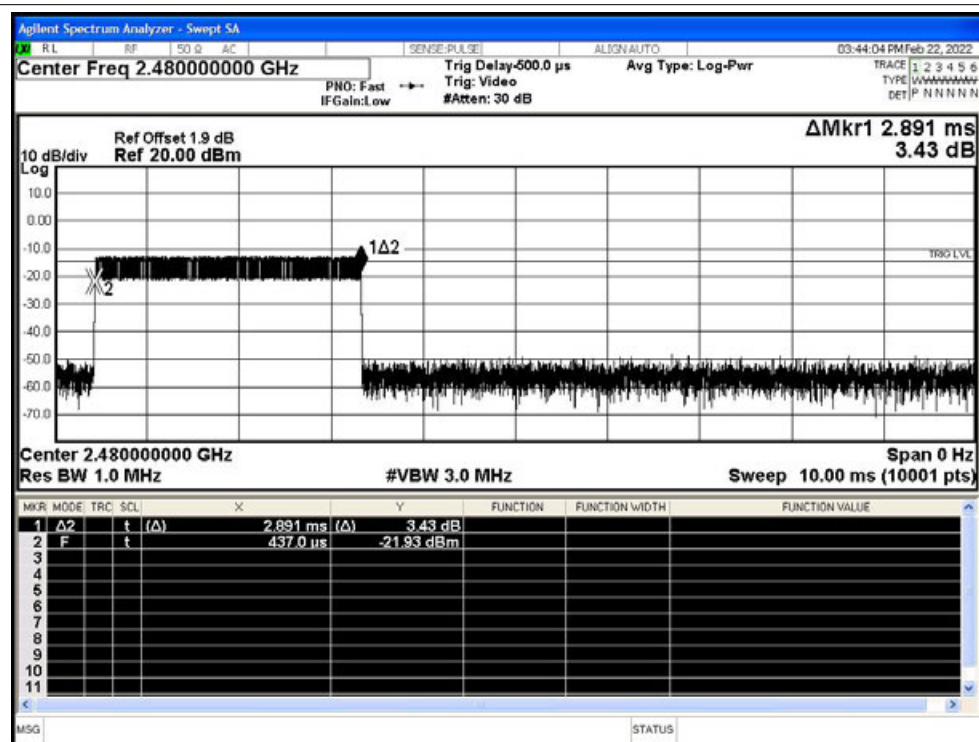


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

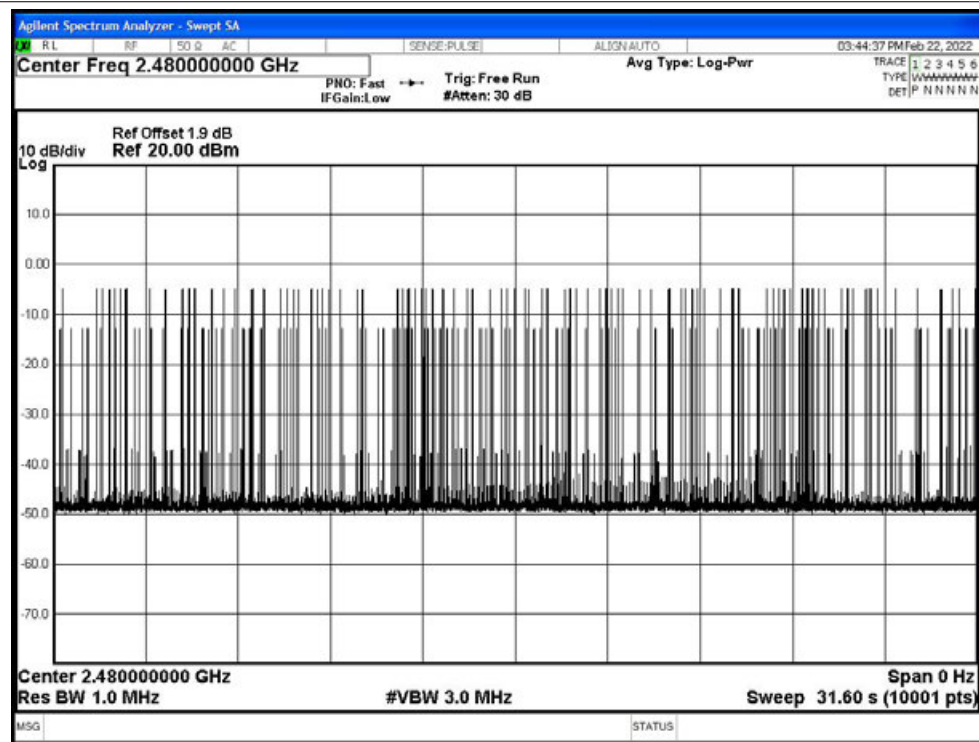




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst

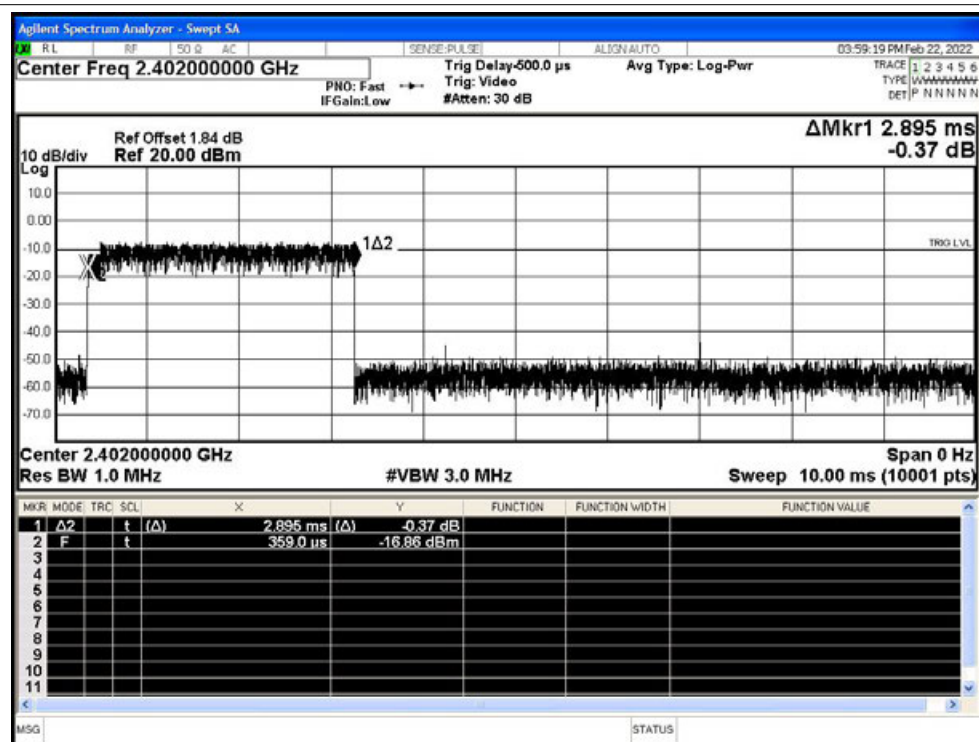


Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated

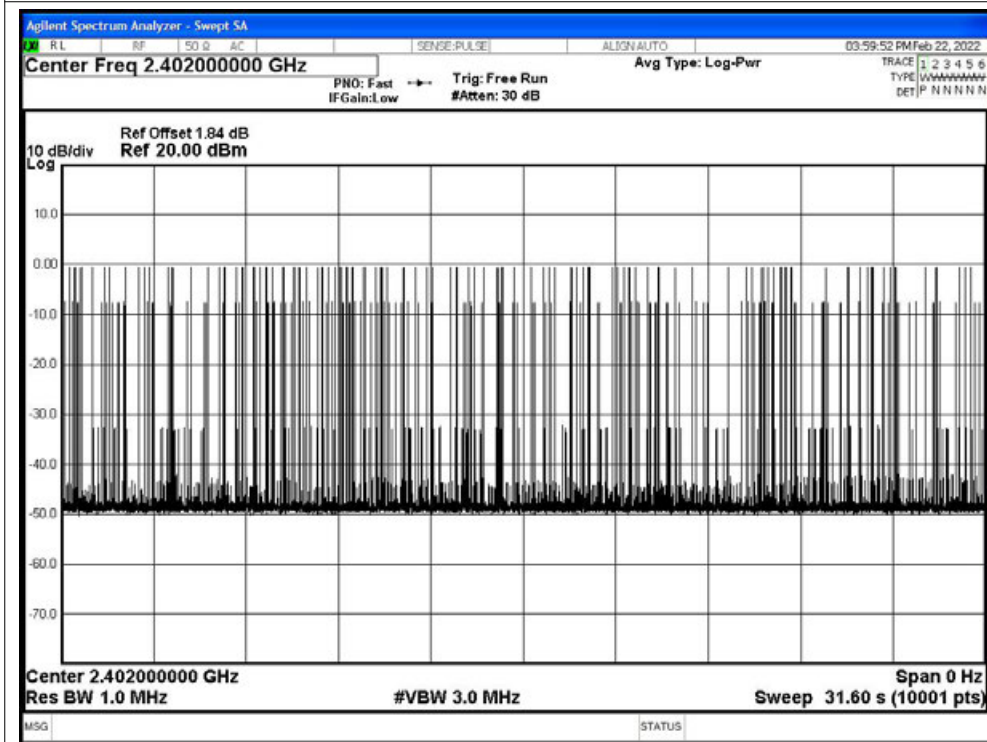




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

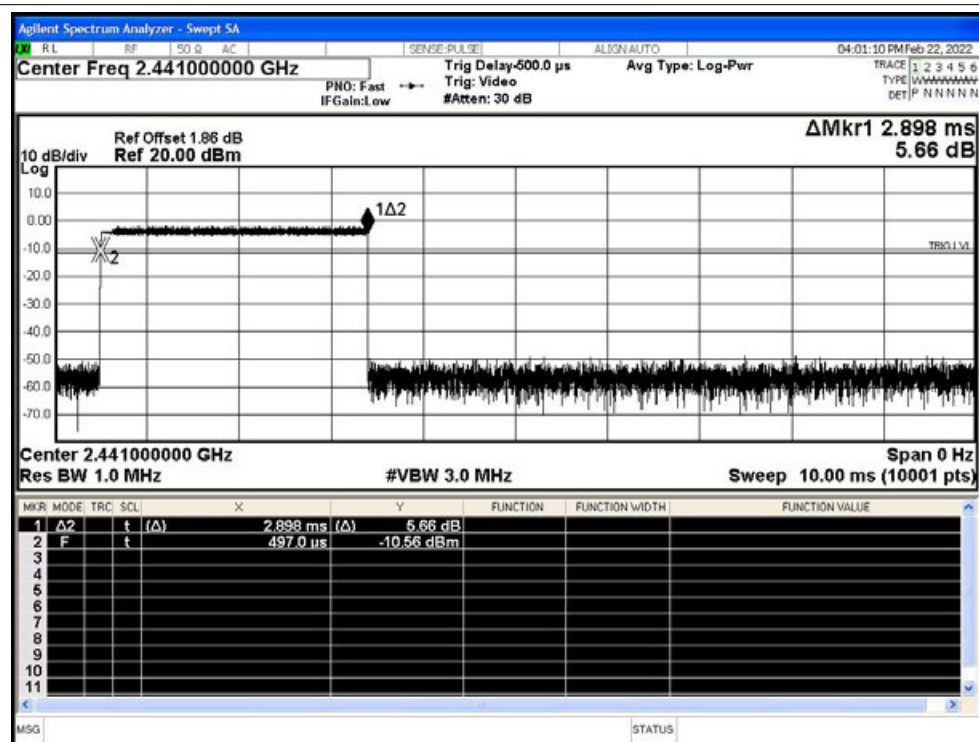


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

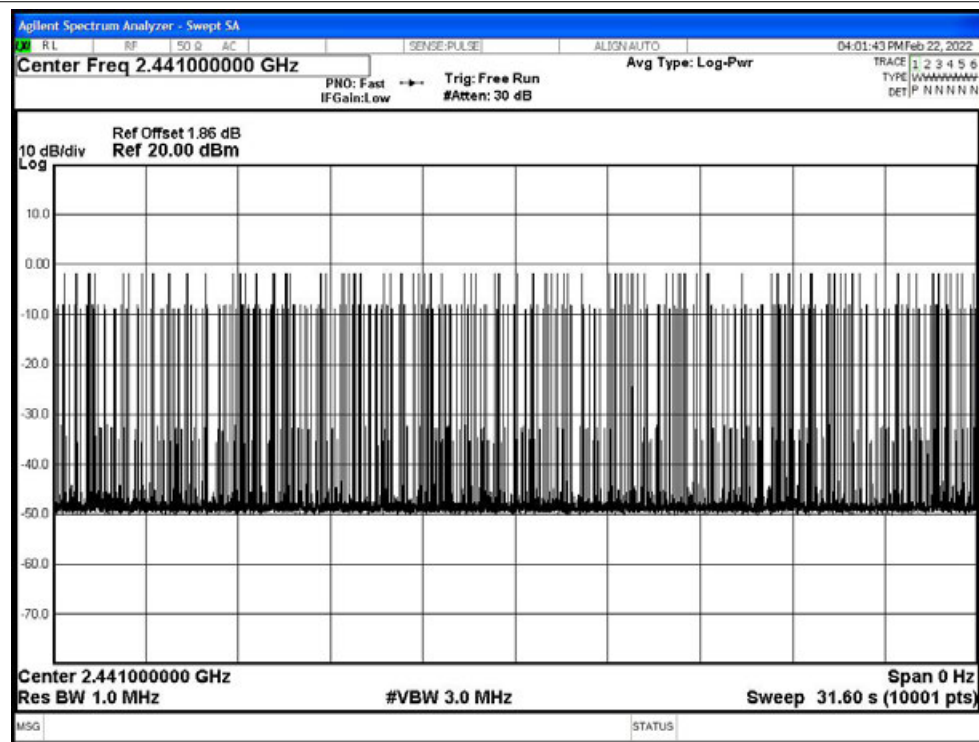




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

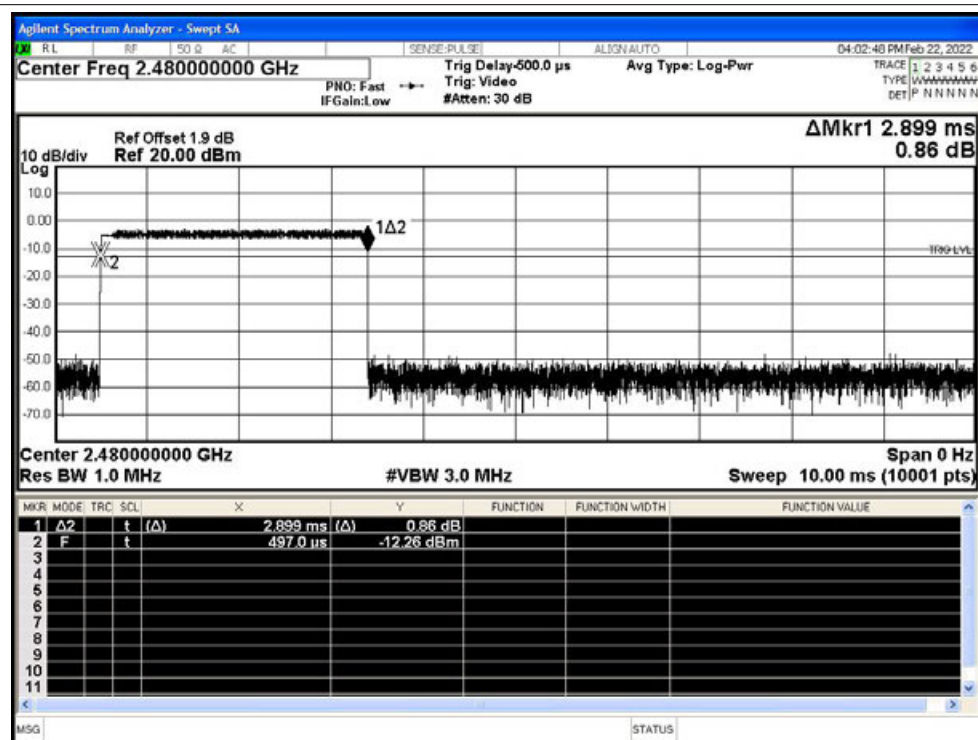


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

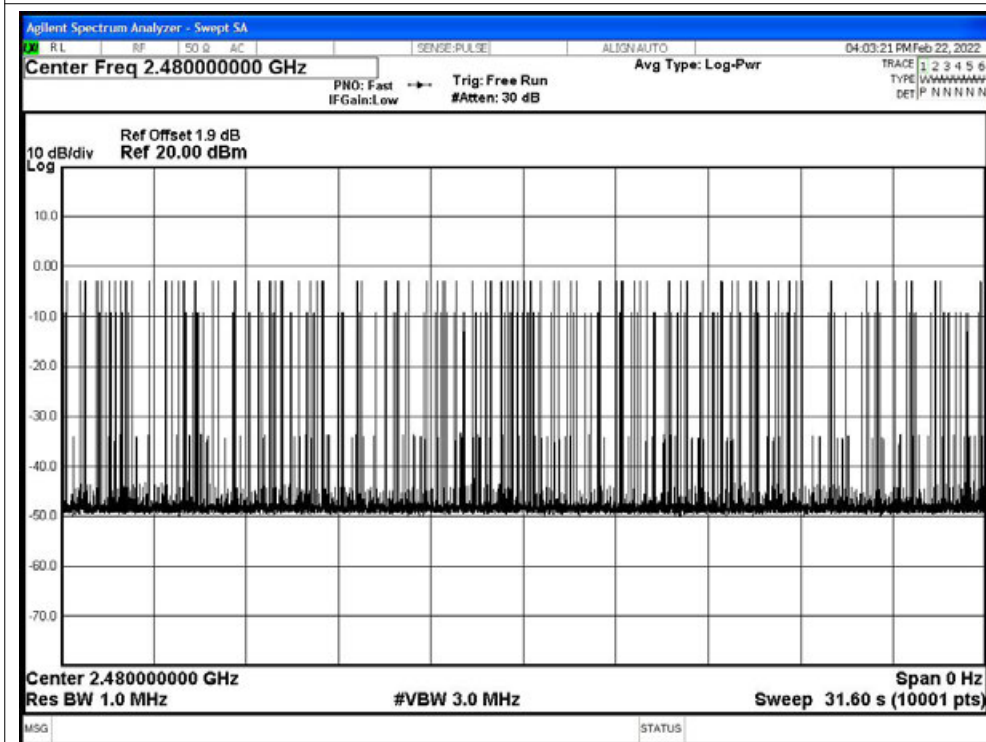




Dwell NVNT 2-DH5 2480MHz Ant1 One Burst

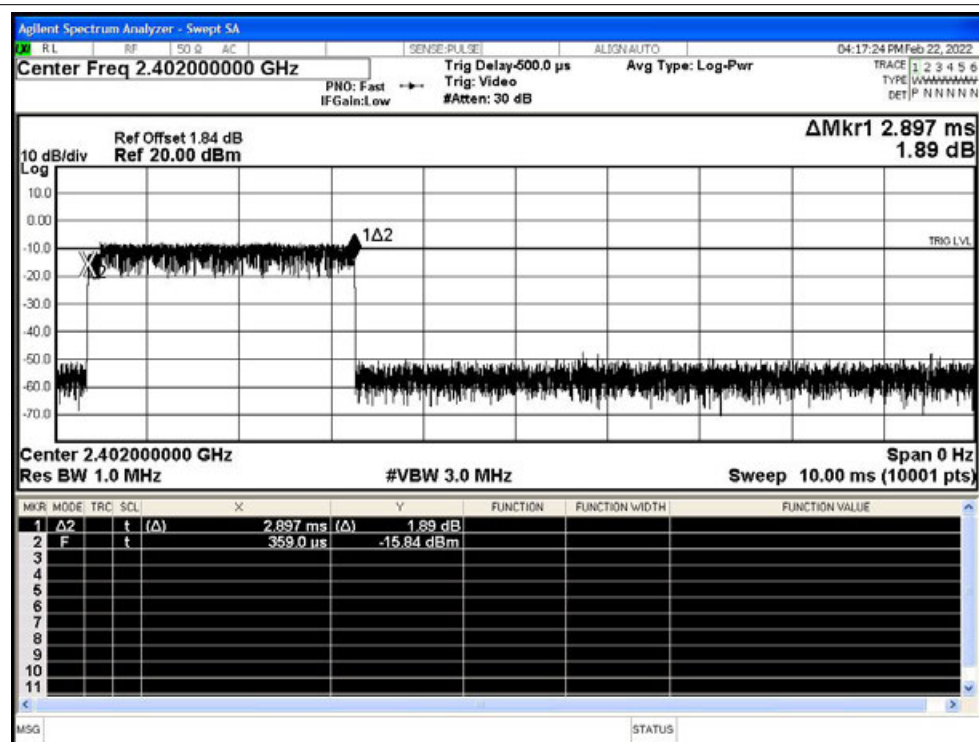


Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated

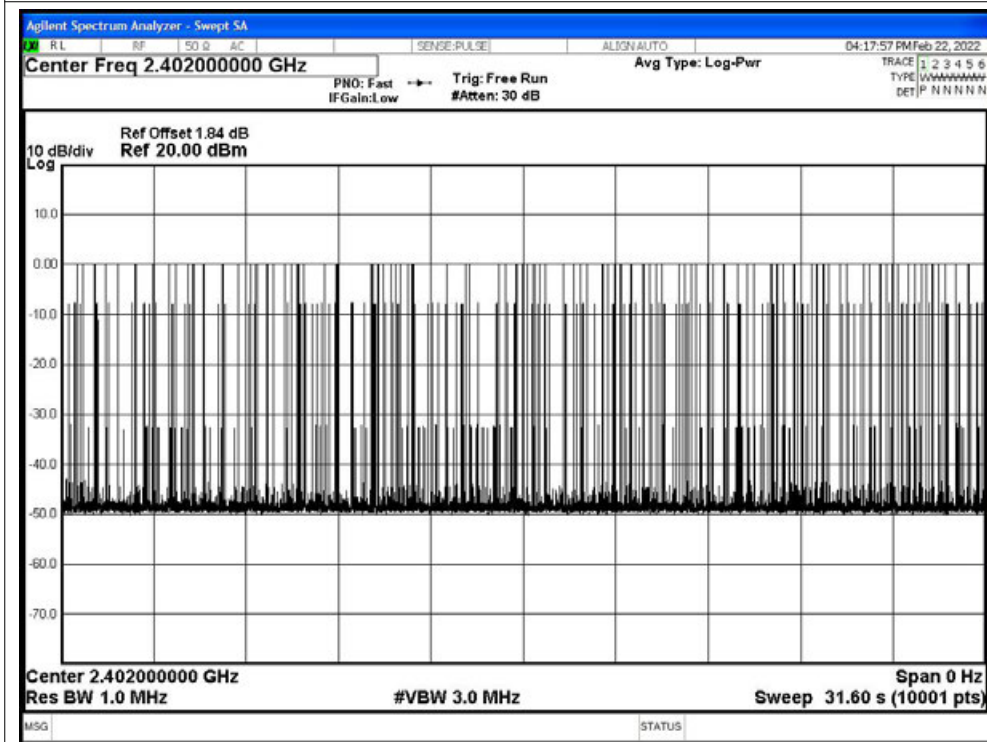




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

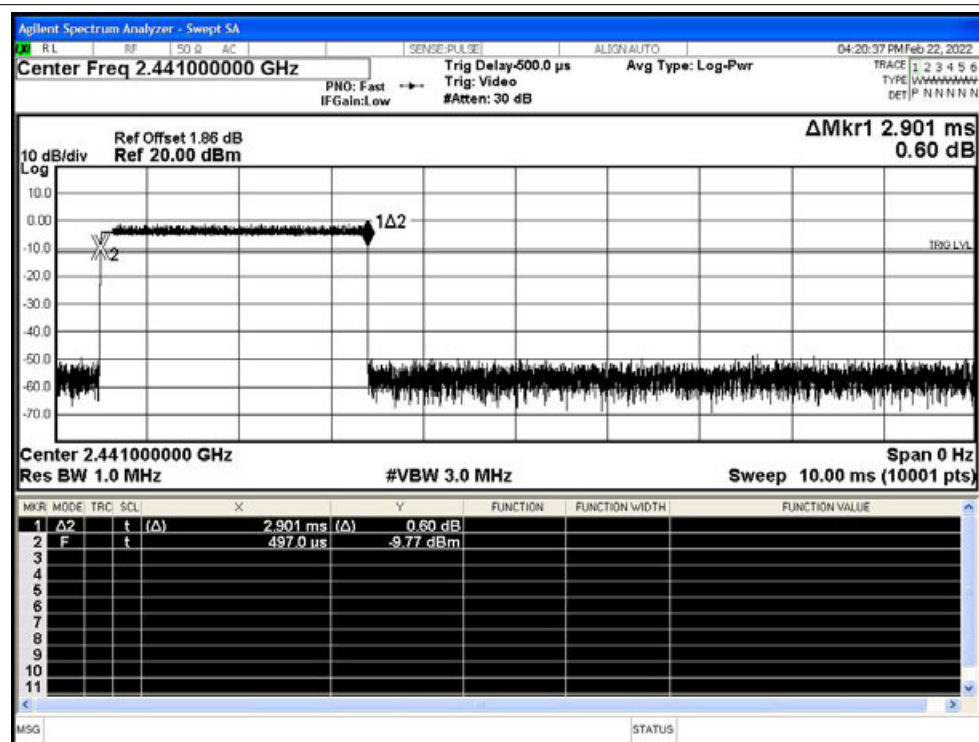


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

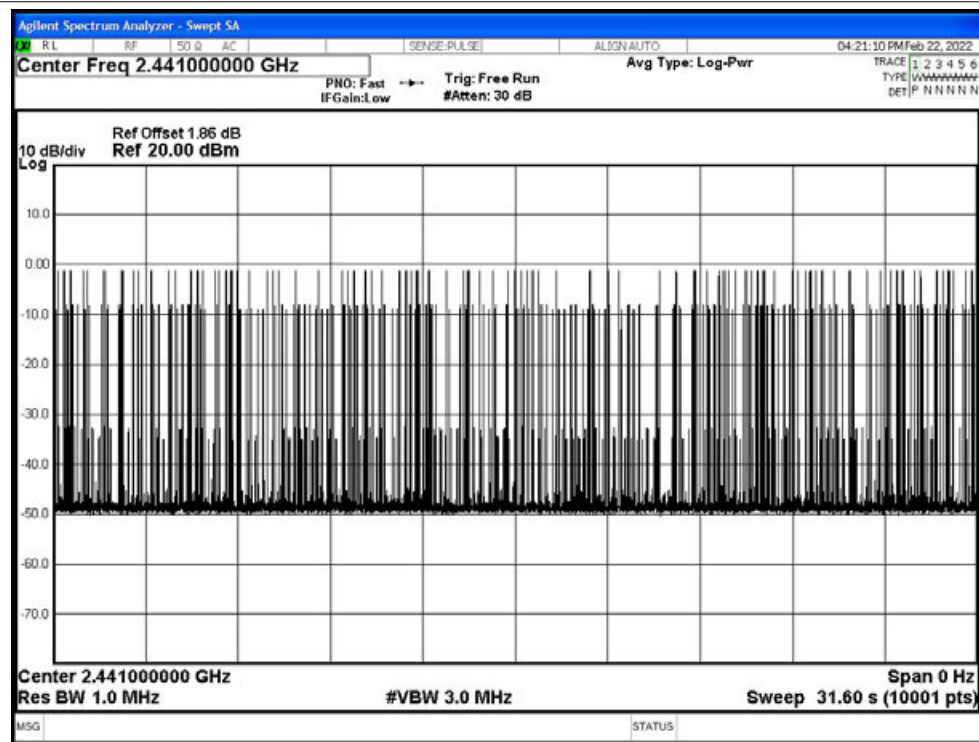




Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

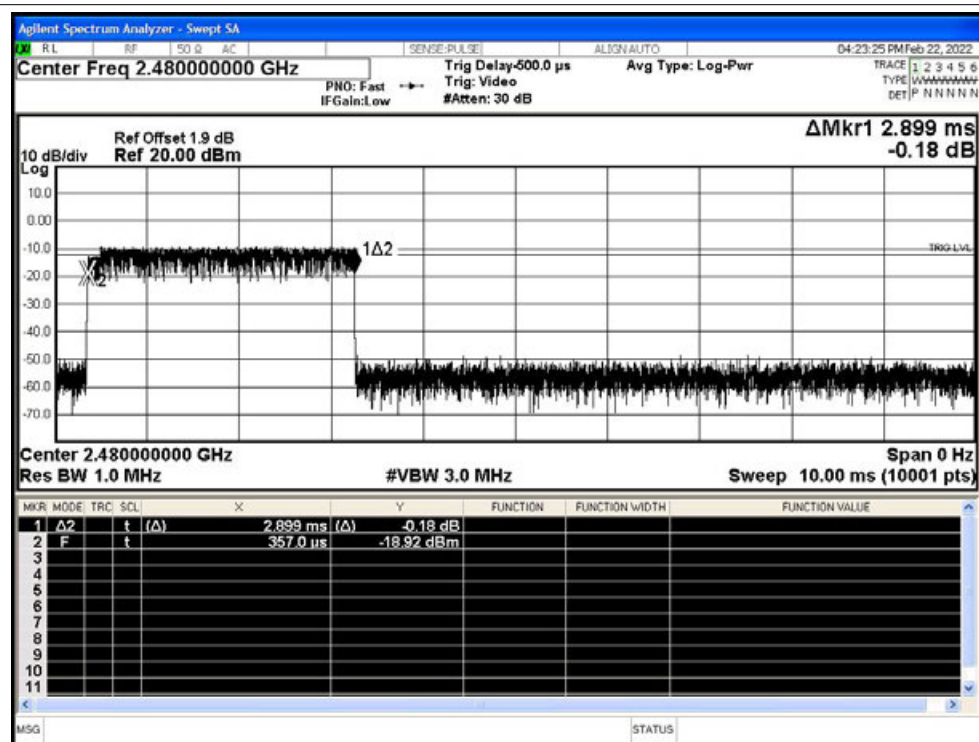


Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

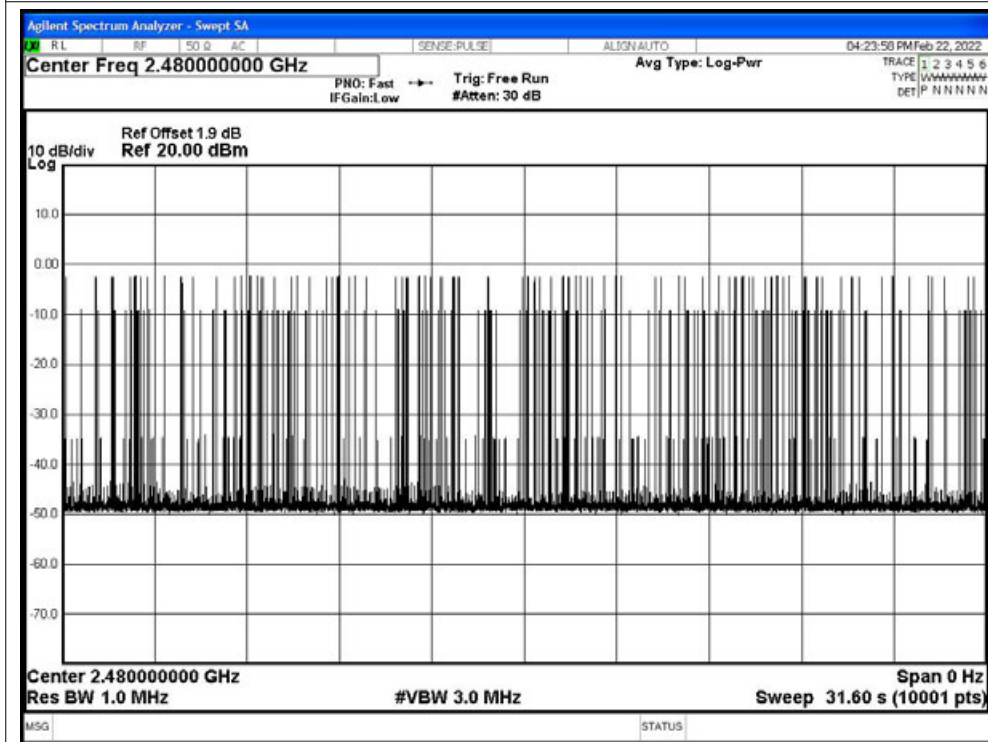




Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated





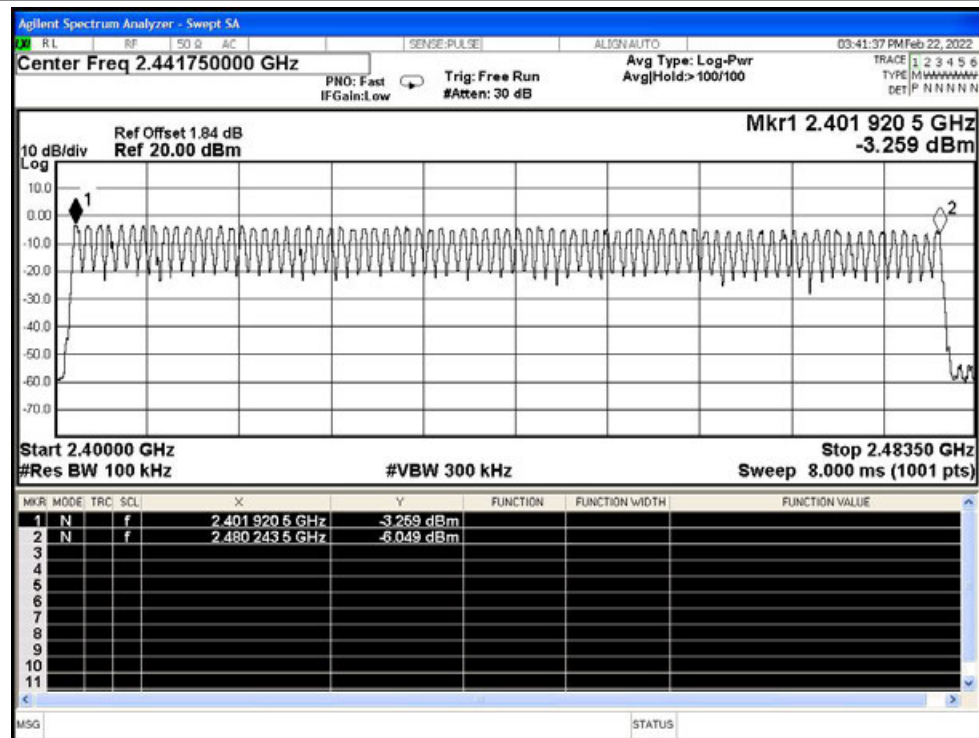
A.5 Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	≥ 15	Pass
NVNT	2-DH5	Ant1	79	≥ 15	Pass
NVNT	3-DH5	Ant1	79	≥ 15	Pass

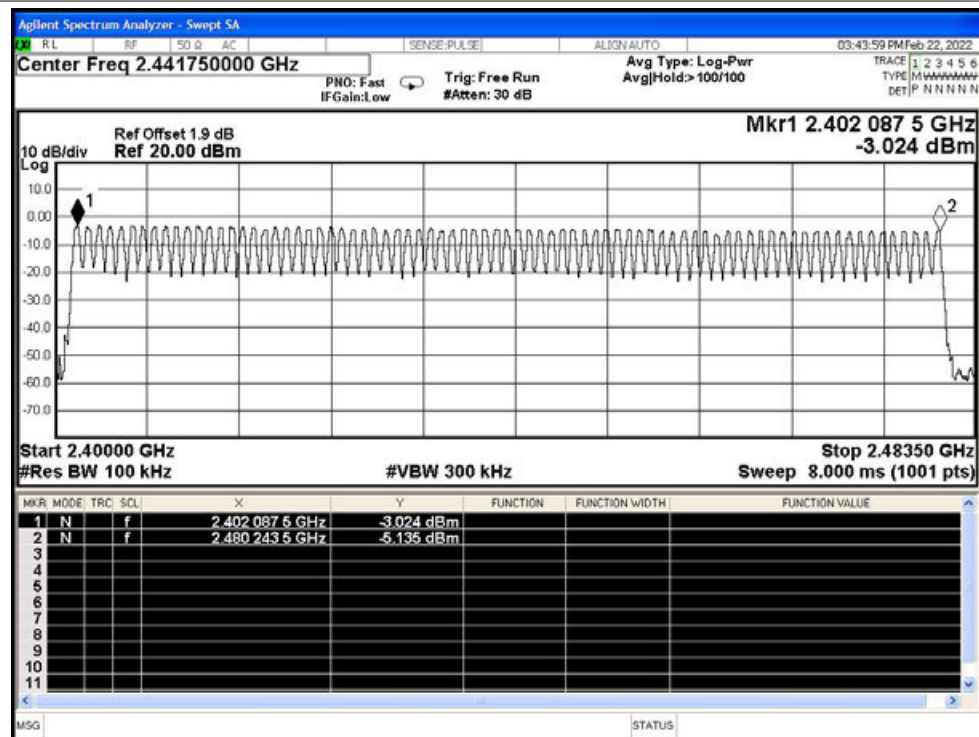


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

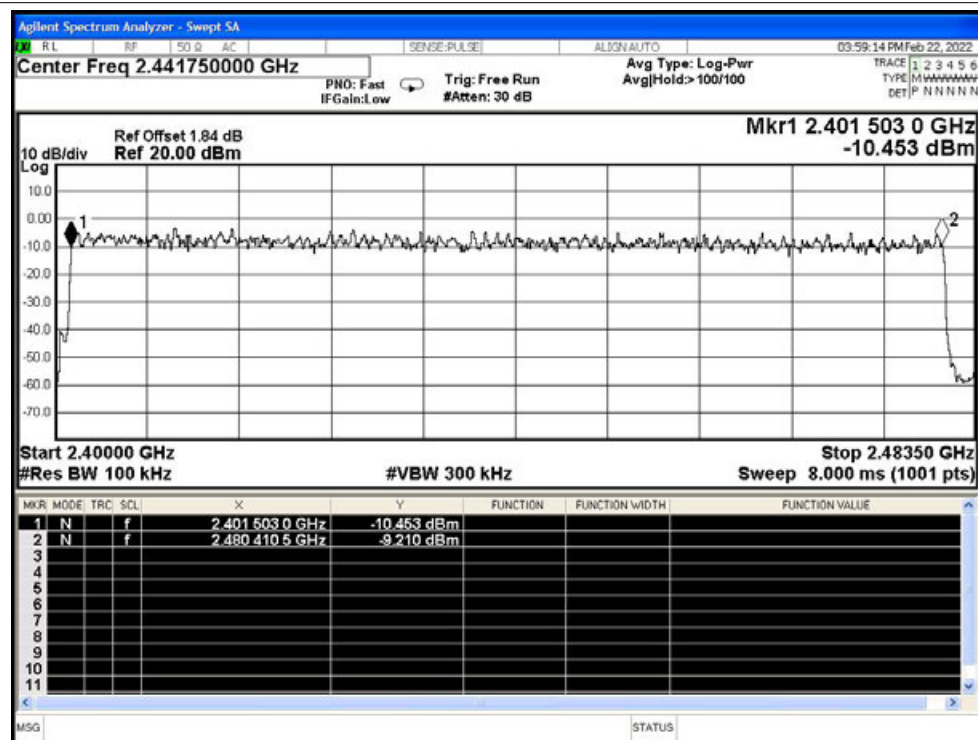


Hopping No. NVNT 1-DH5 2480MHz Ant1

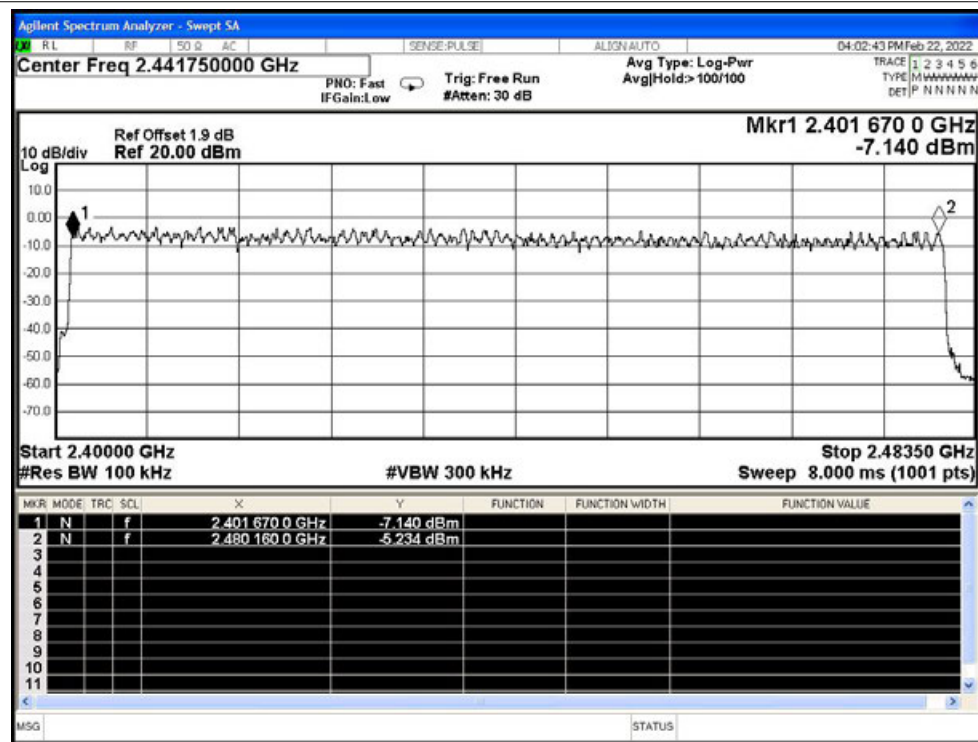




Hopping No. NVNT 2-DH5 2402MHz Ant1

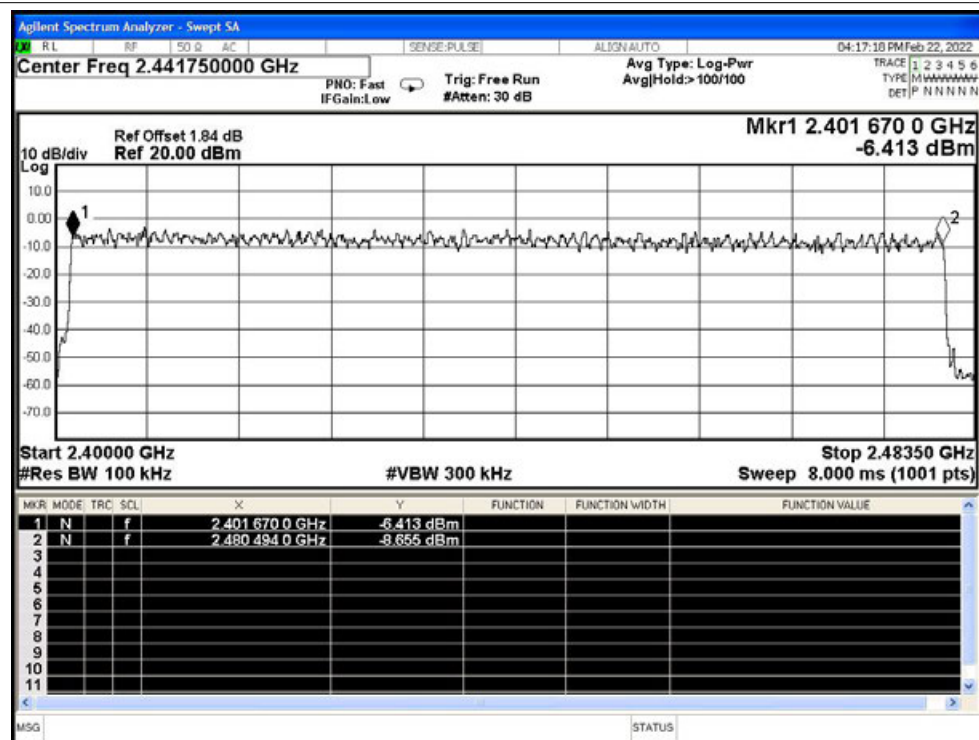


Hopping No. NVNT 2-DH5 2480MHz Ant1

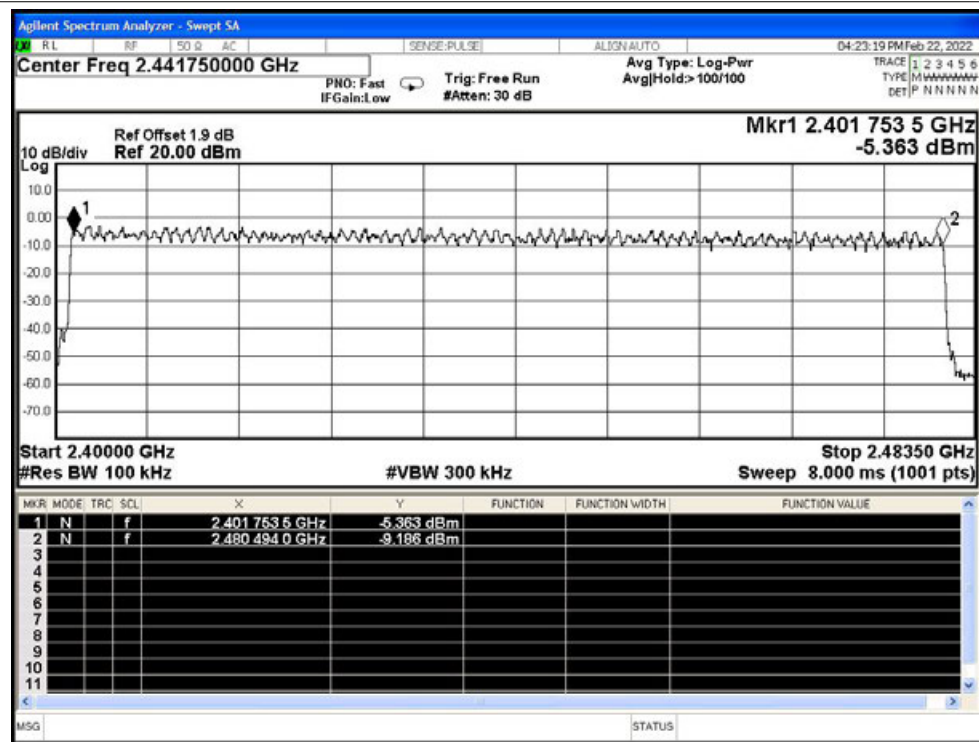




Hopping No. NVNT 3-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2480MHz Ant1





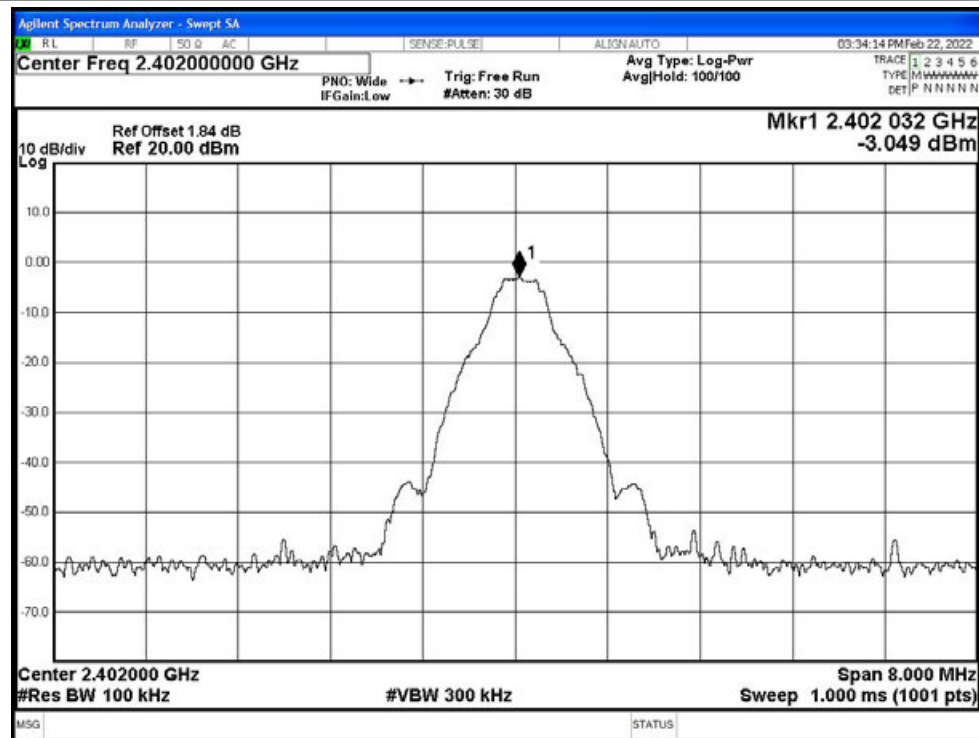
A.6 Band Edge (No-Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max. Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-50.48	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-51.88	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.2	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.35	≤ -20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-50.23	≤ -20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-51.47	≤ -20	Pass

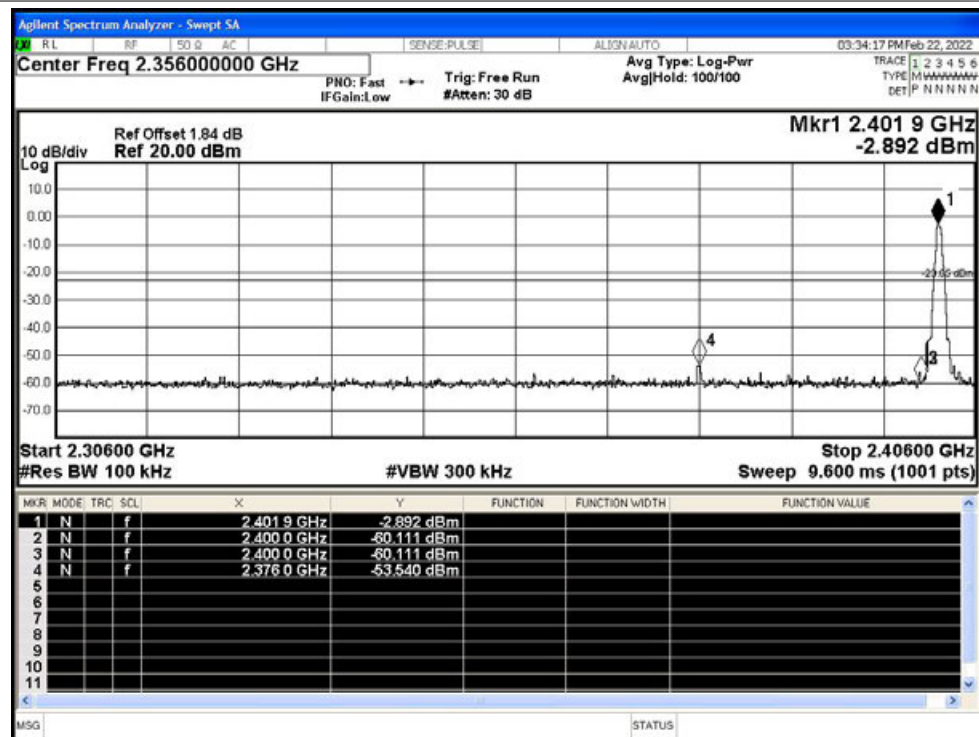


Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref

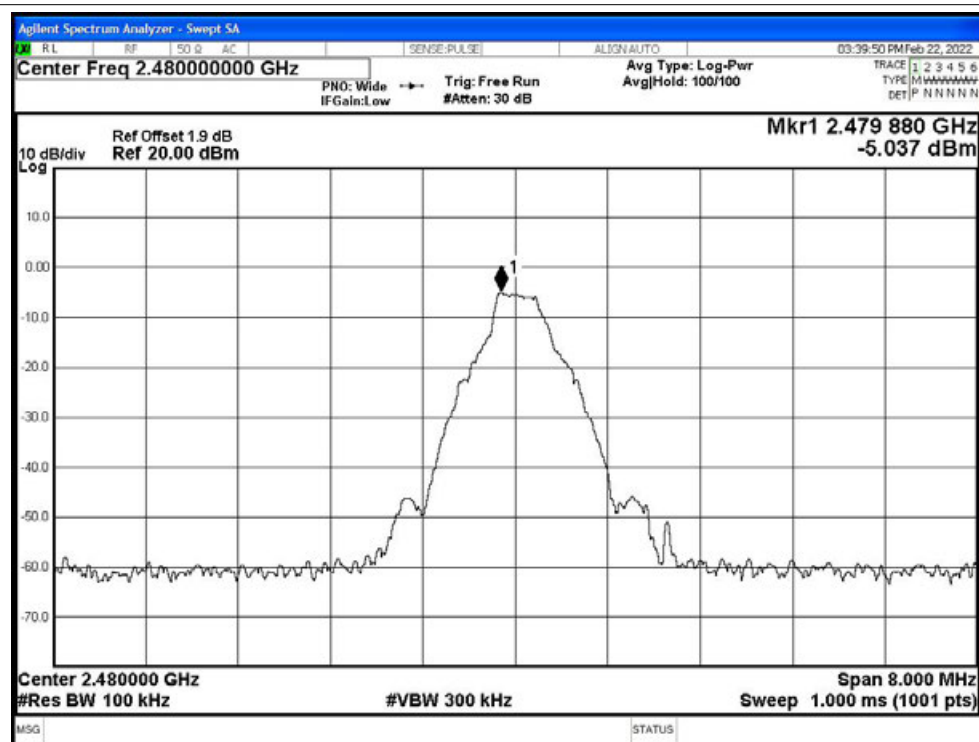


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

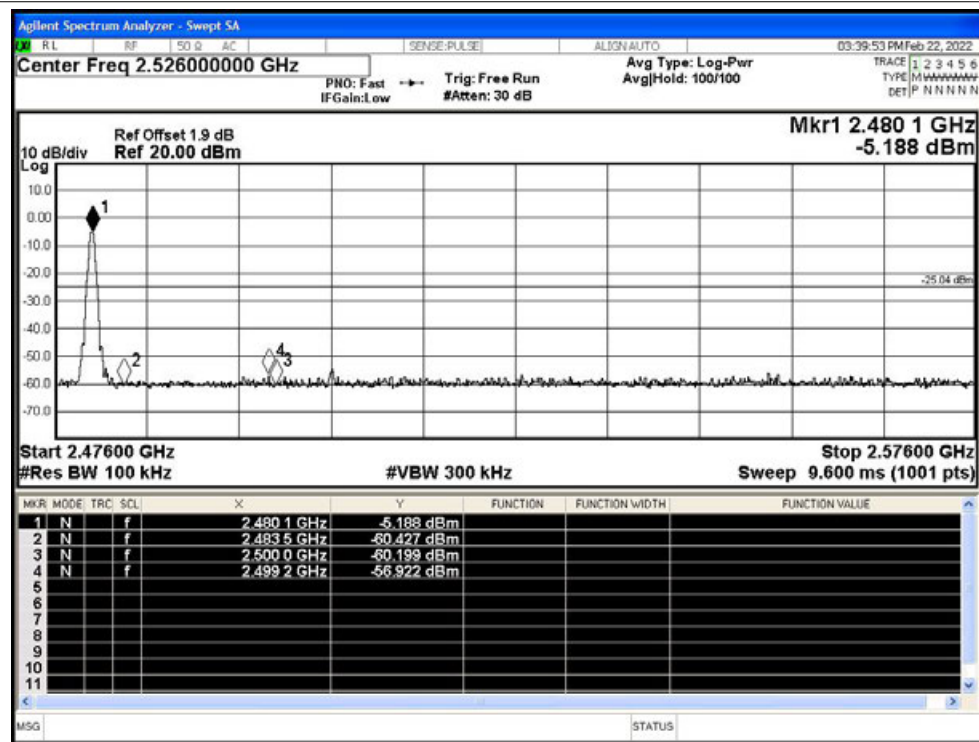




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

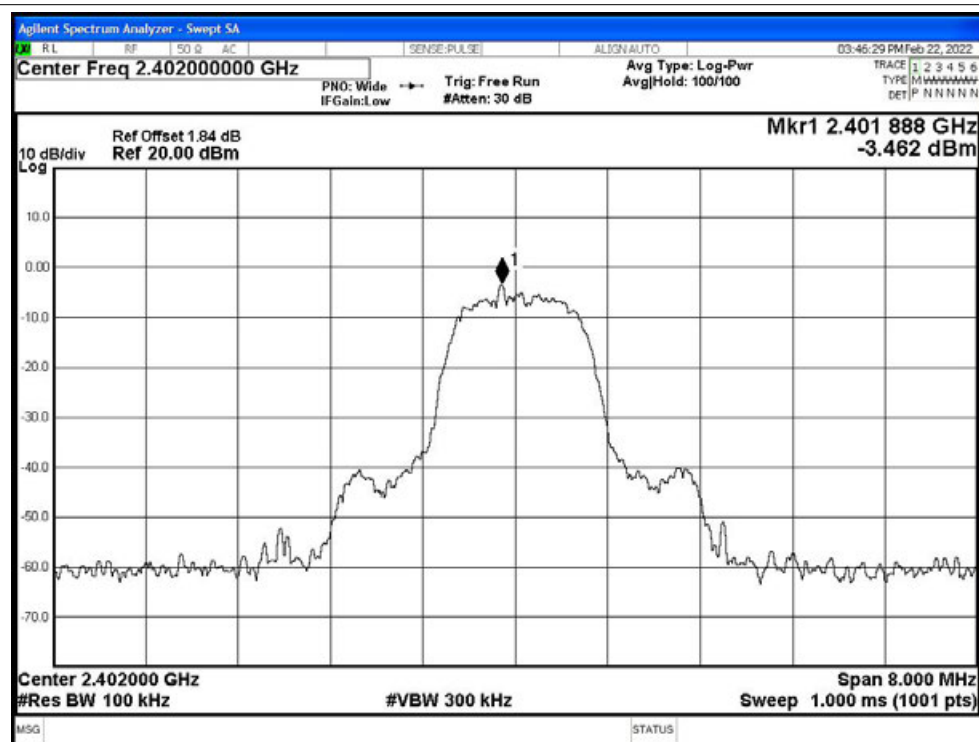


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

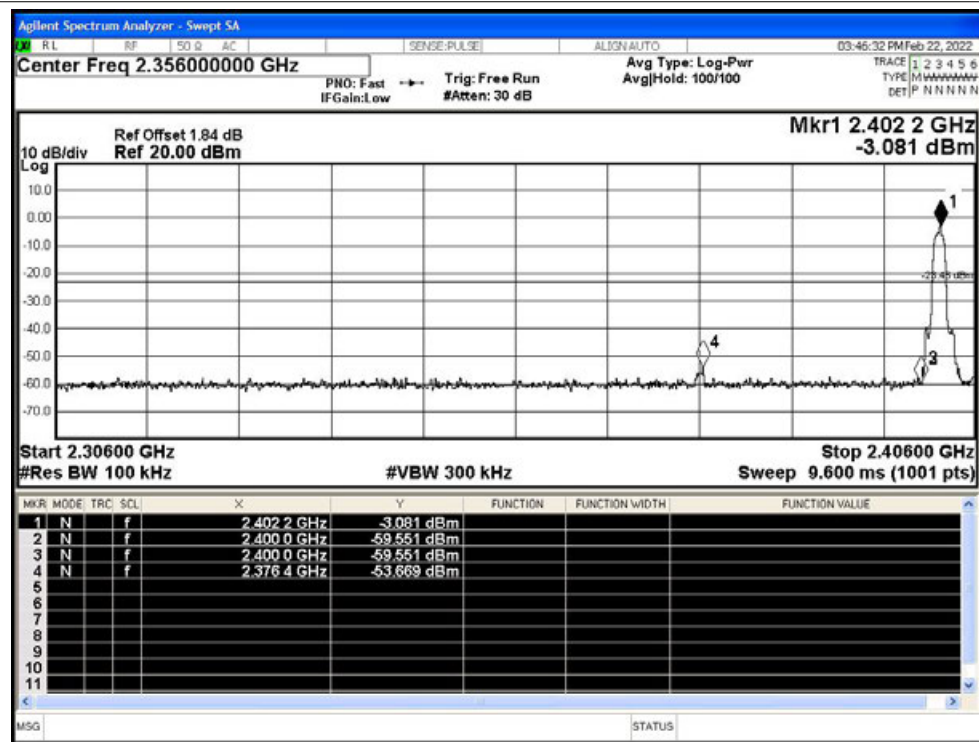




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

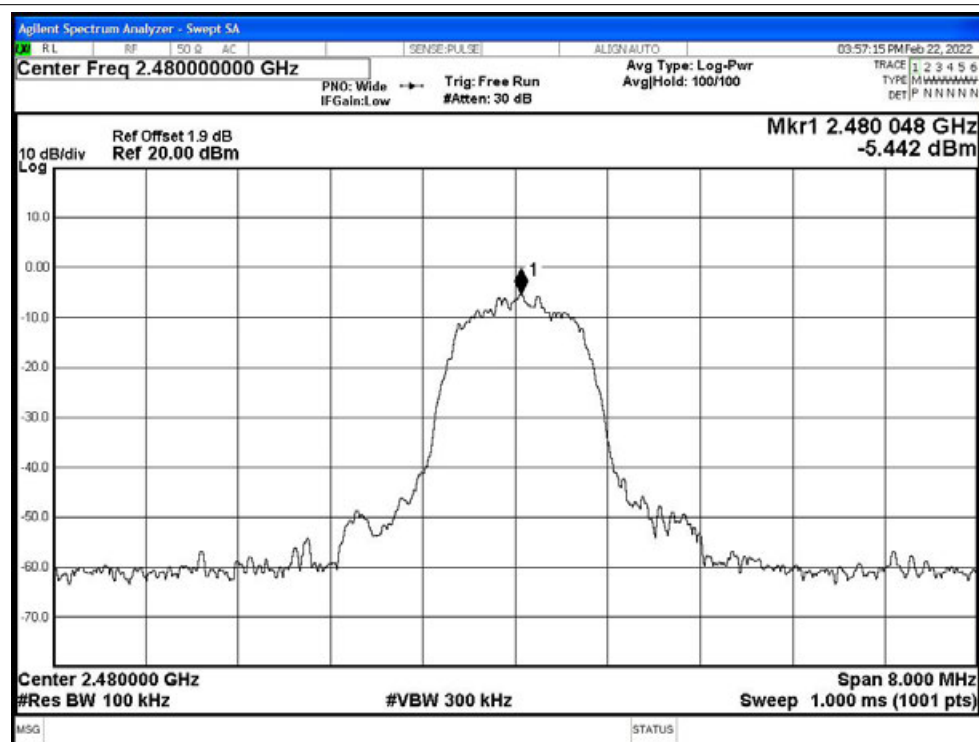


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

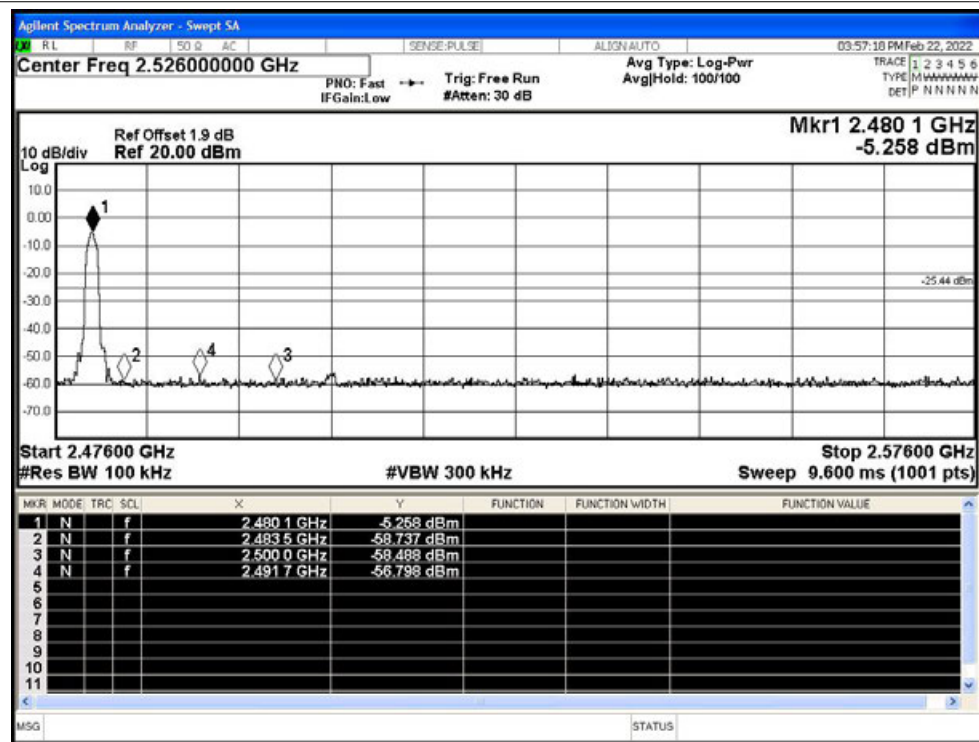




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

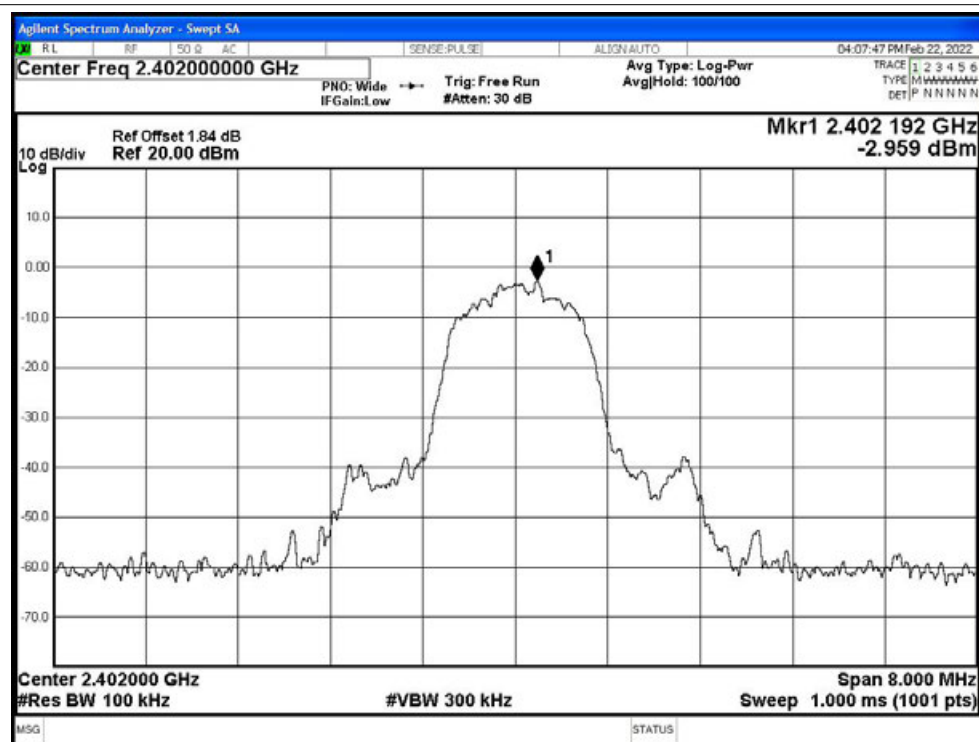


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

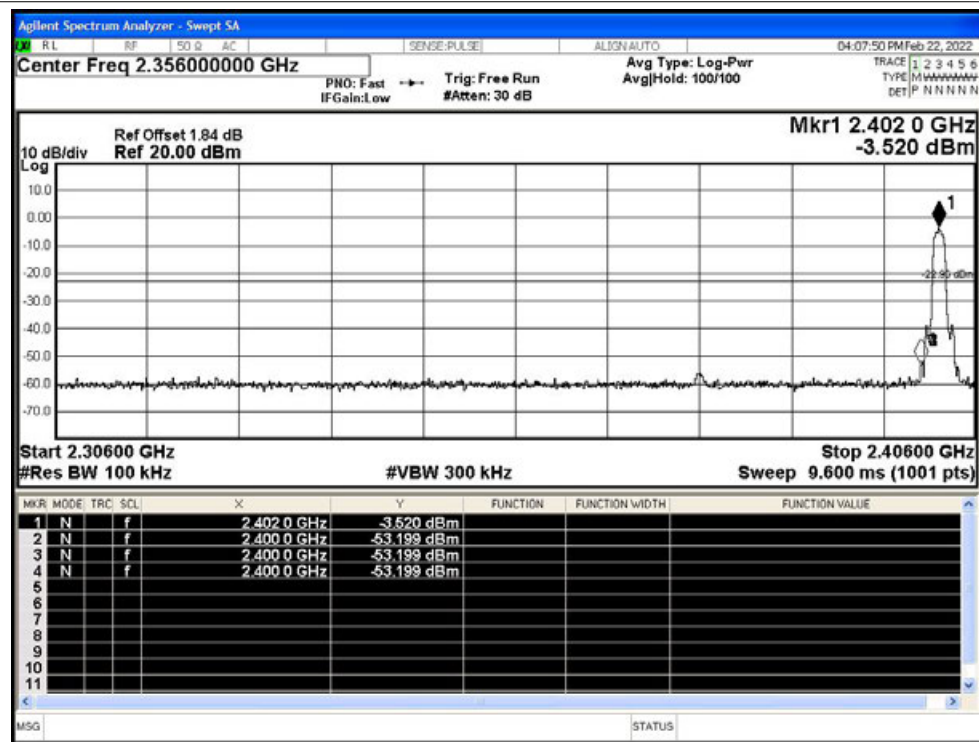




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

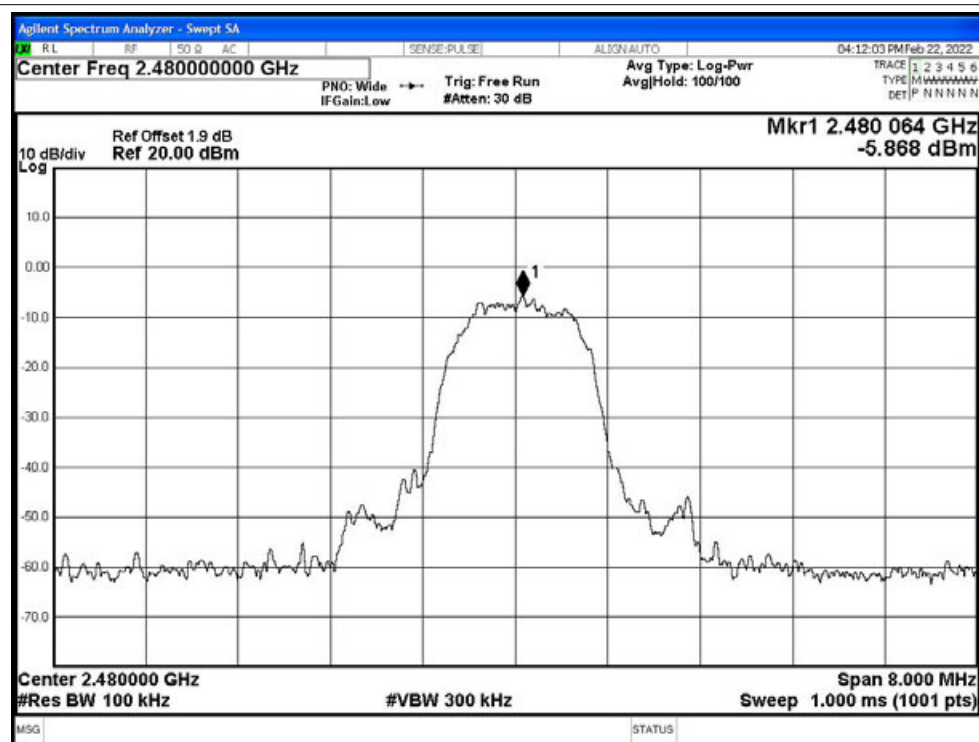


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

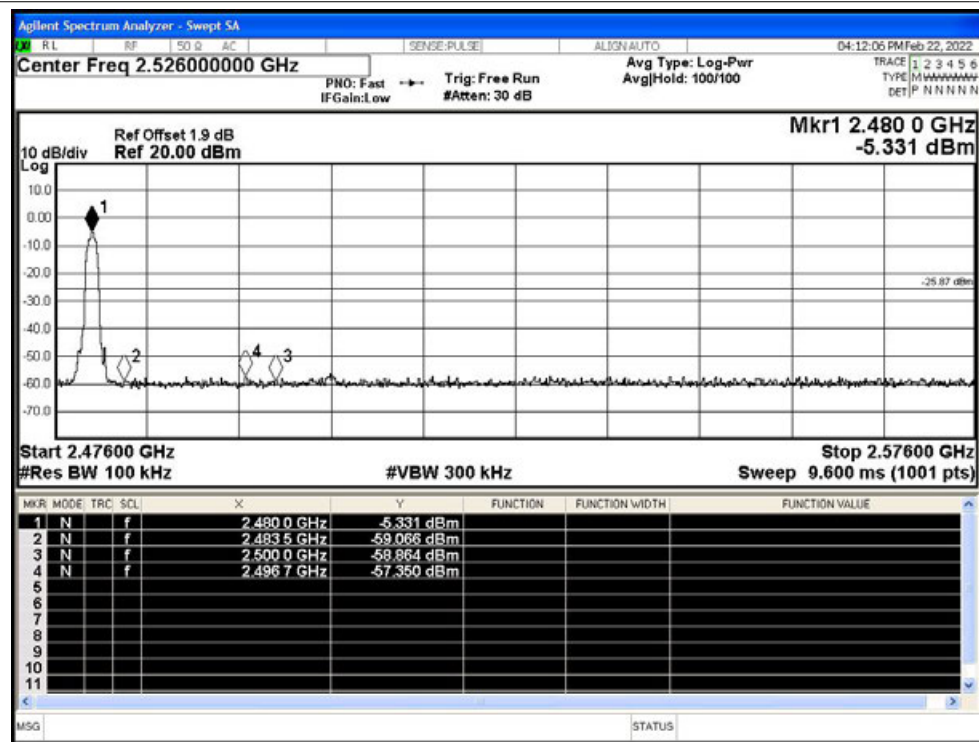




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission





(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max. Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-50.78	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-48.01	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-52.03	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-47.83	≤ -20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-52.37	≤ -20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-49.04	≤ -20	Pass