Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Music table

Test Model: DY-706

Environmental Conditions

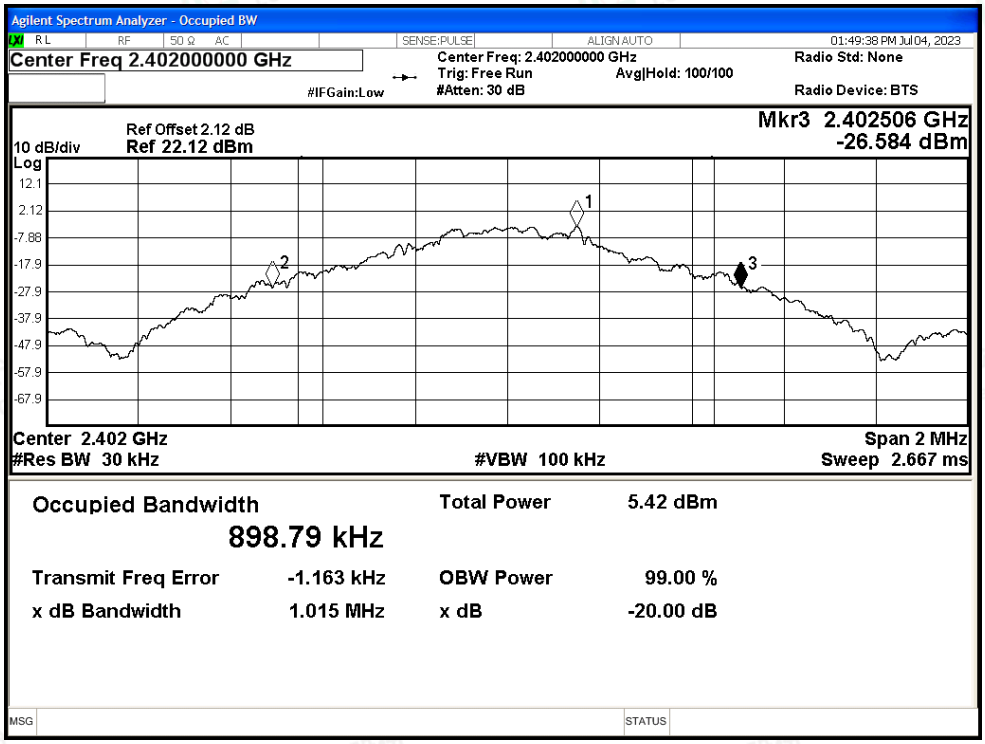
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Joker Hu
Supervised by:	Ling Zhu

A.1 -20dB Bandwidth

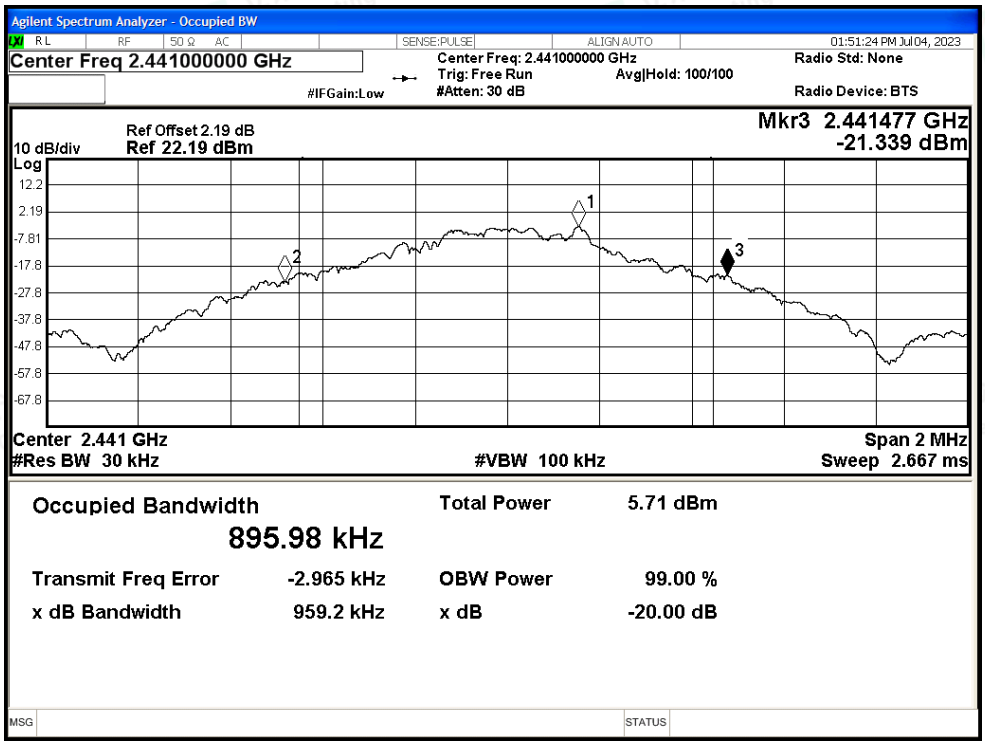
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.015	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.959	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.984	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.309	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.281	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.286	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.277	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.305	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.296	N/A	Pass

Test Graphs

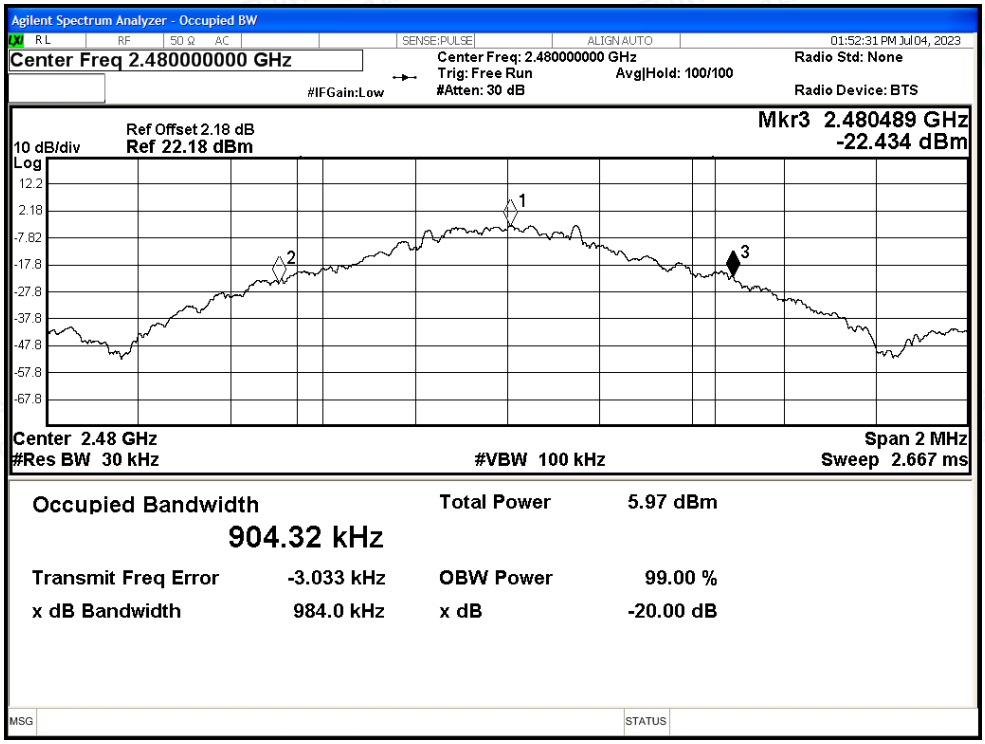
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



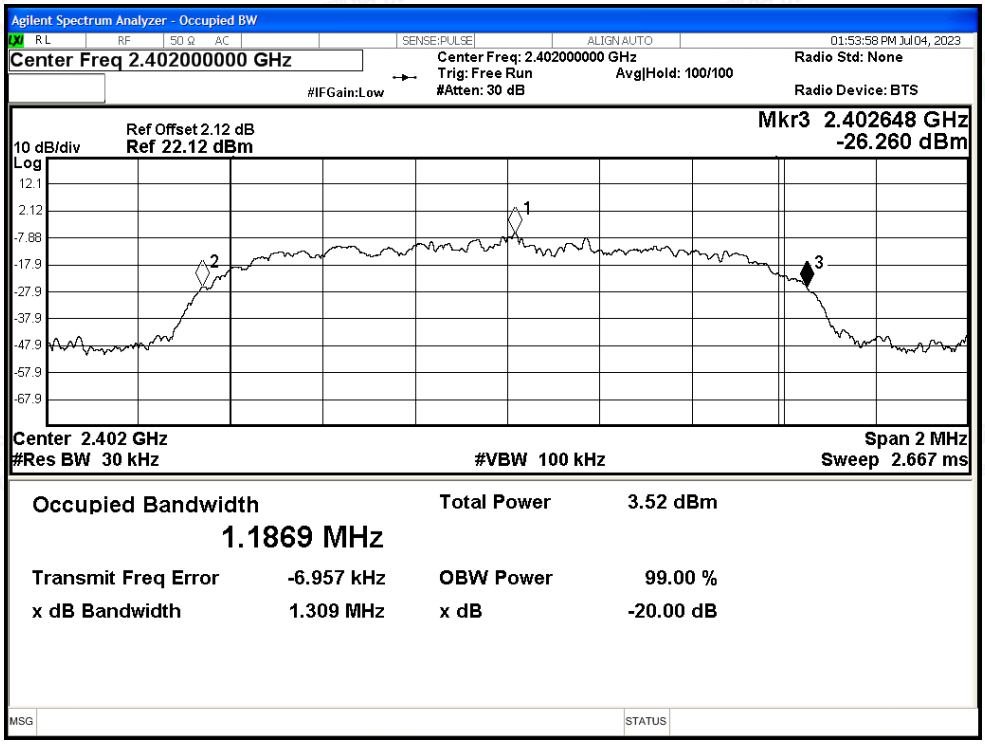
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



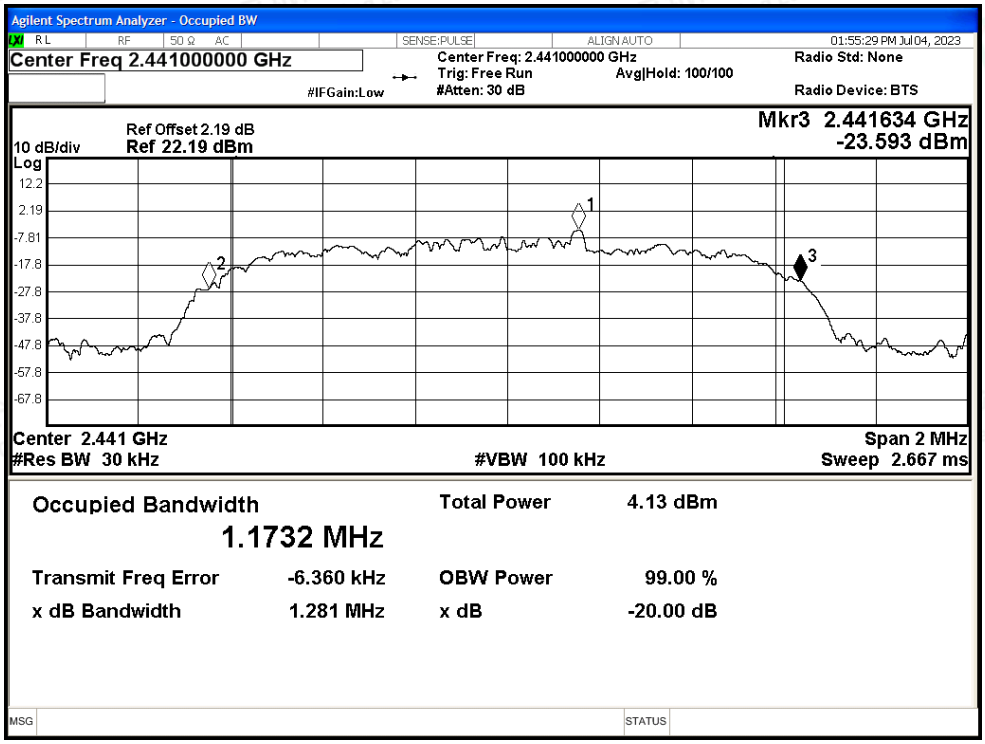
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



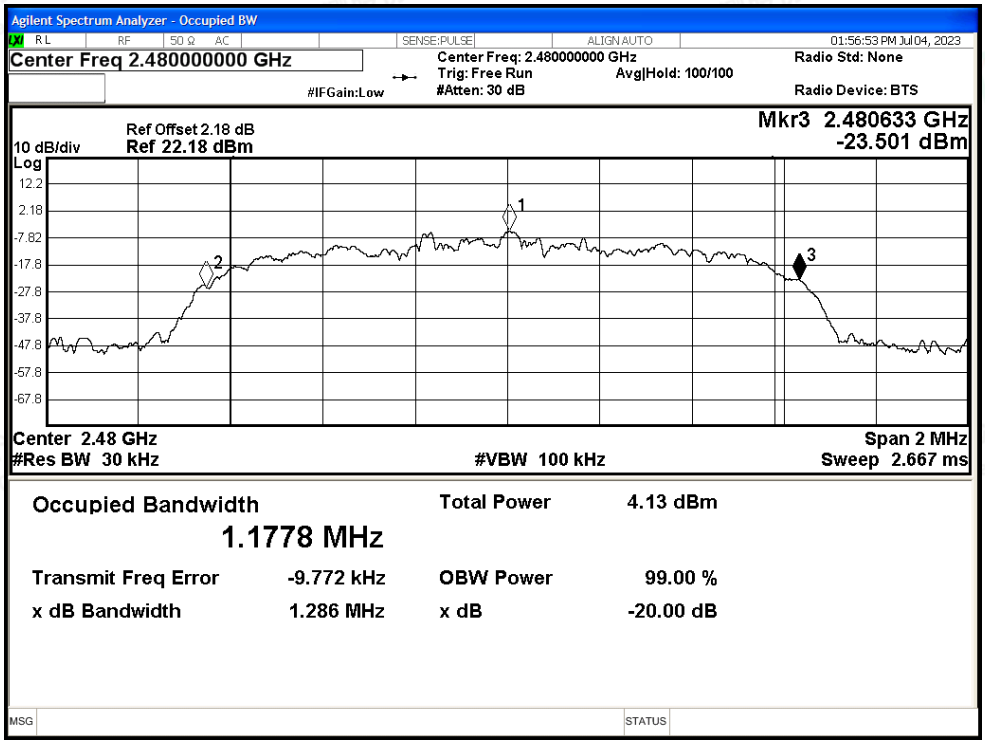
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



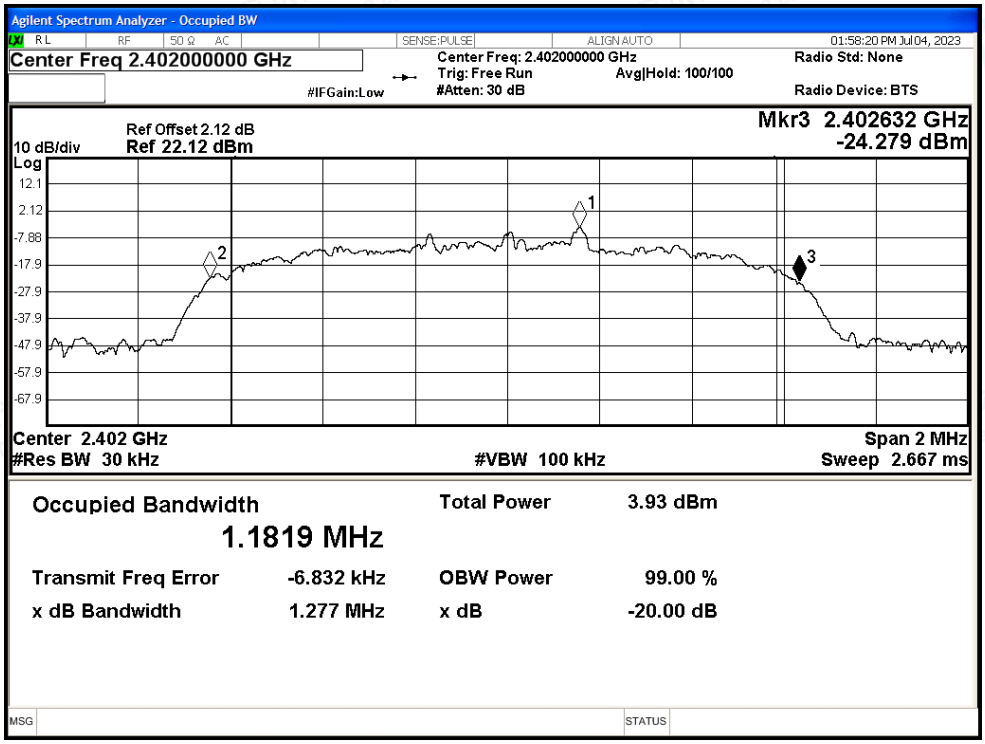
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



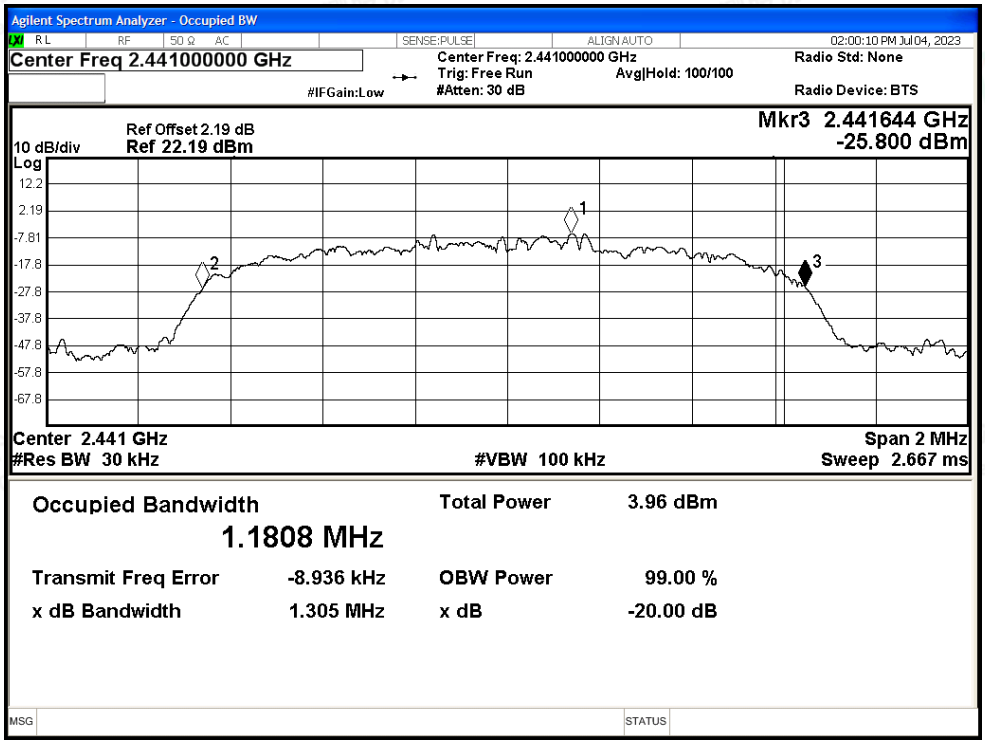
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



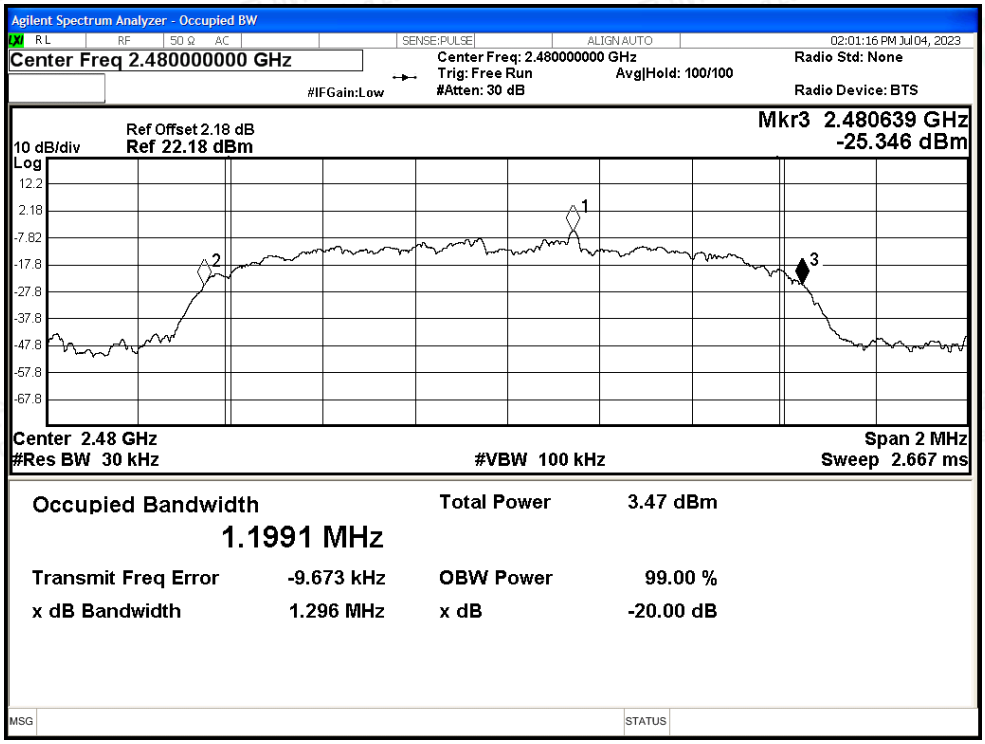
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

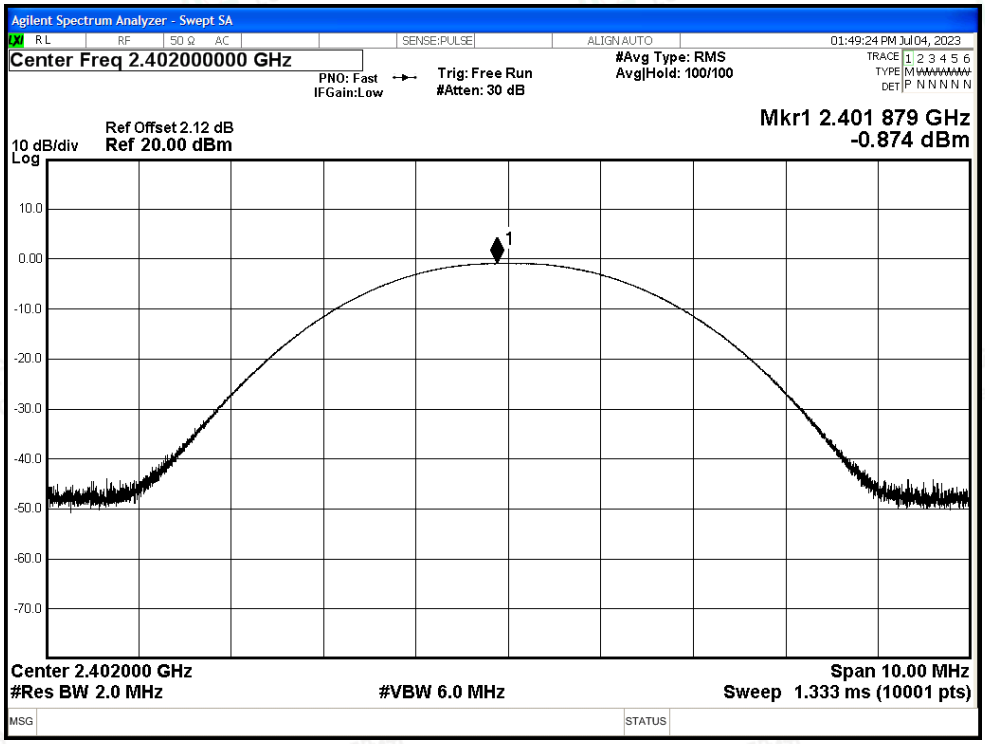


A.2 Maximum Conducted Output Power

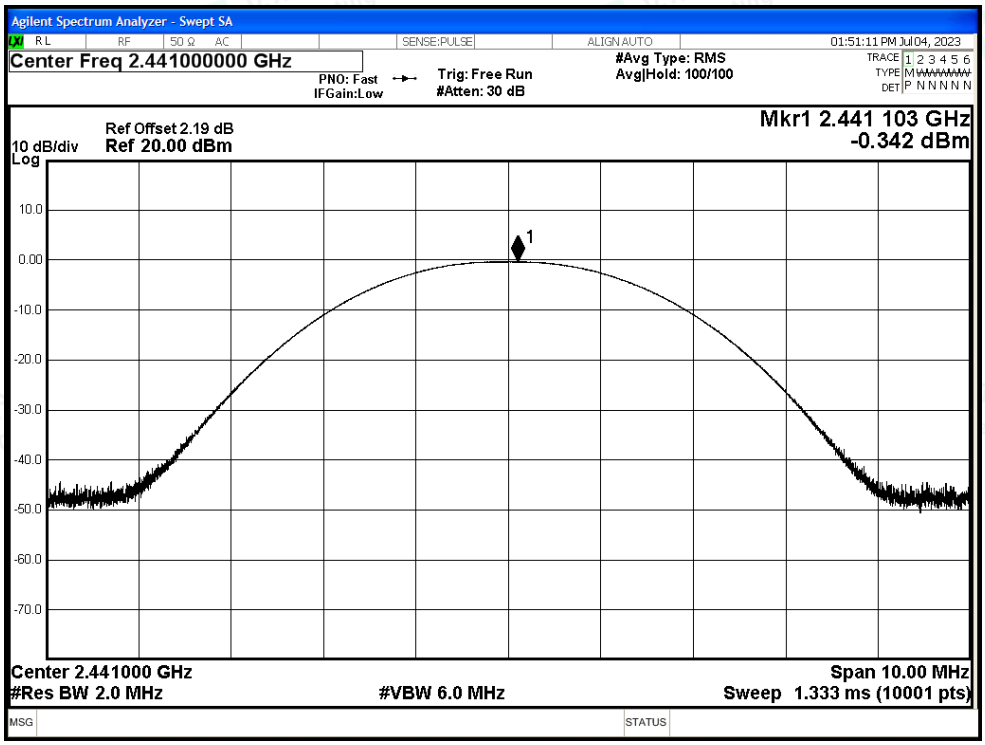
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.87	21	Pass
NVNT	1-DH5	2441	Ant1	-0.34	21	Pass
NVNT	1-DH5	2480	Ant1	-0.36	21	Pass
NVNT	2-DH5	2402	Ant1	-0.75	21	Pass
NVNT	2-DH5	2441	Ant1	-0.61	21	Pass
NVNT	2-DH5	2480	Ant1	-0.59	21	Pass
NVNT	3-DH5	2402	Ant1	-0.72	21	Pass
NVNT	3-DH5	2441	Ant1	-0.50	21	Pass
NVNT	3-DH5	2480	Ant1	-0.52	21	Pass

Test Graphs

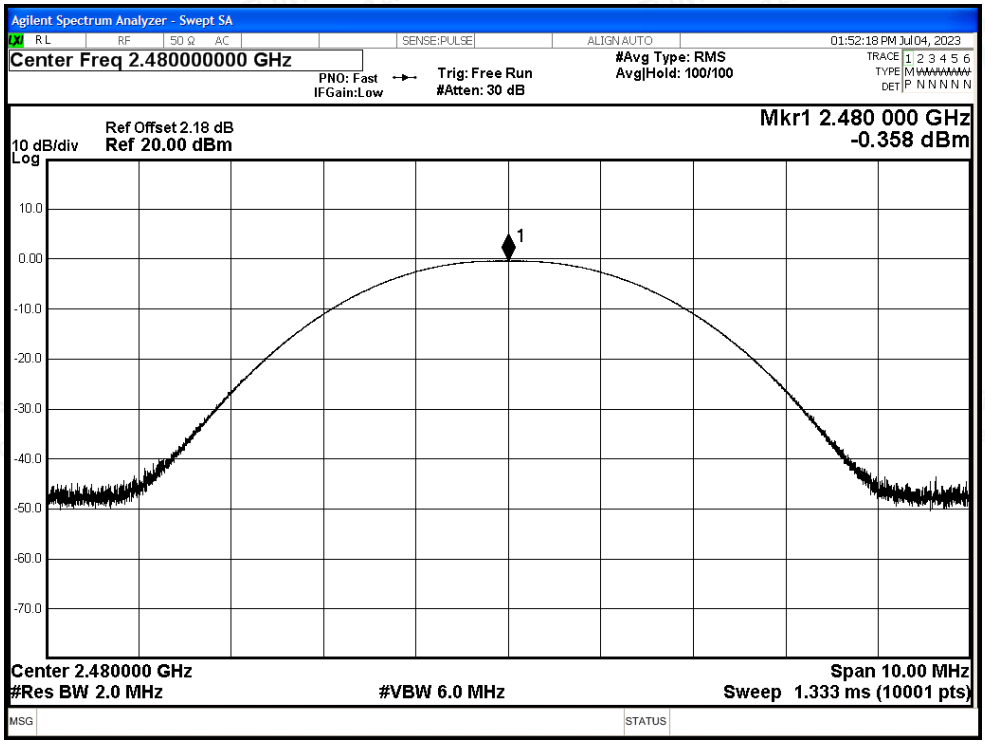
Power NVNT 1-DH5 2402MHz Ant1



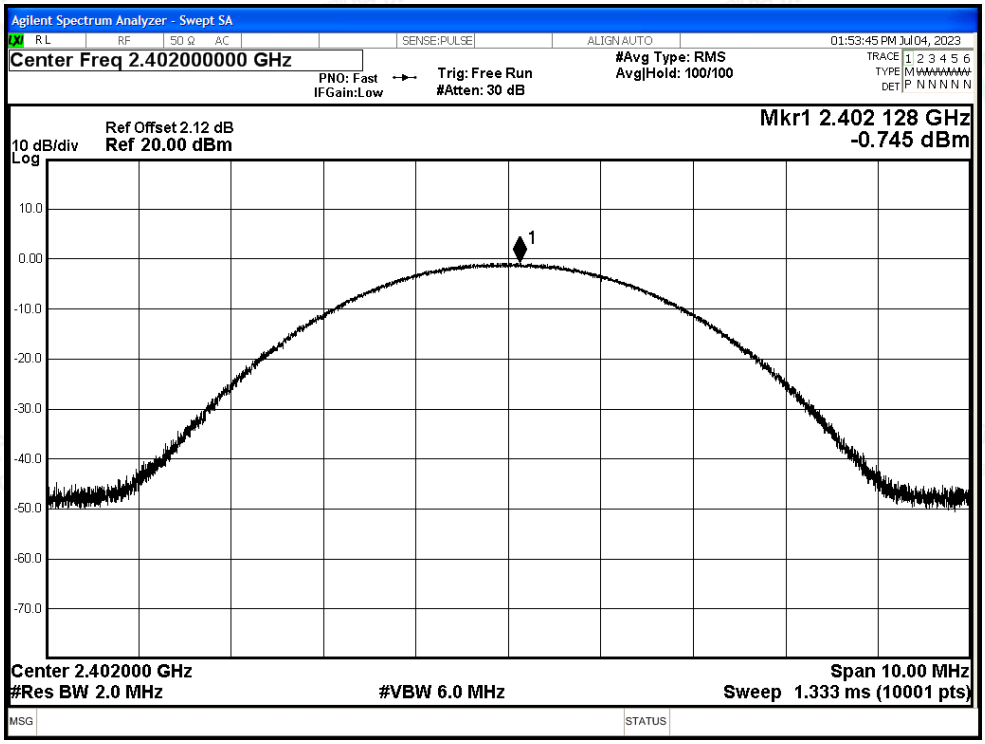
Power NVNT 1-DH5 2441MHz Ant1



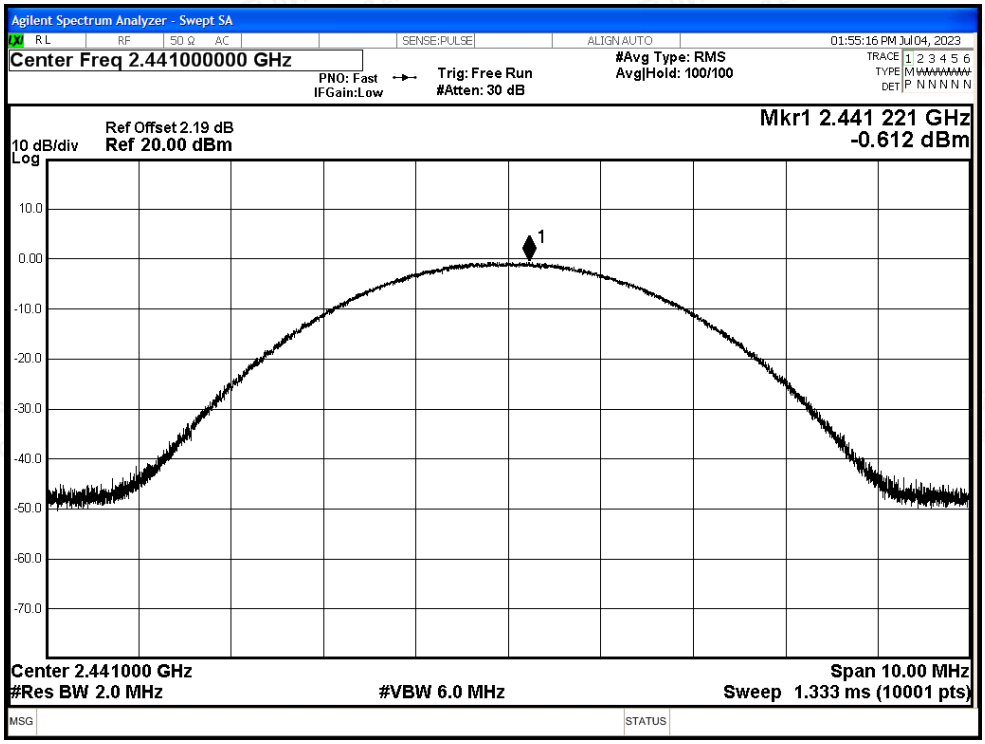
Power NVNT 1-DH5 2480MHz Ant1



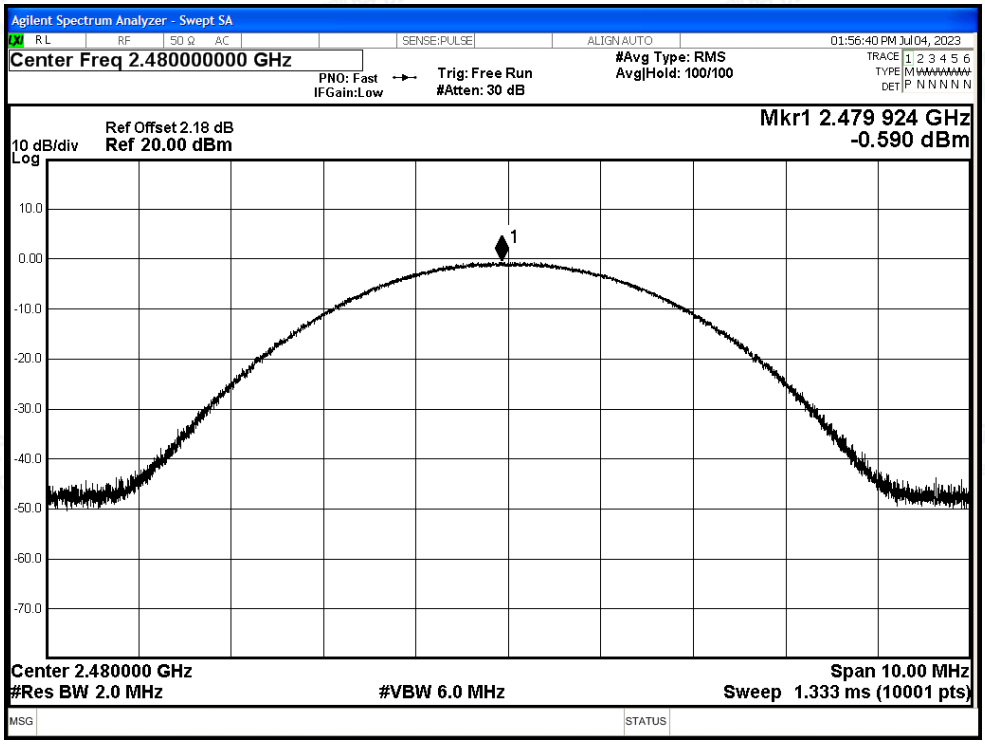
Power NVNT 2-DH5 2402MHz Ant1



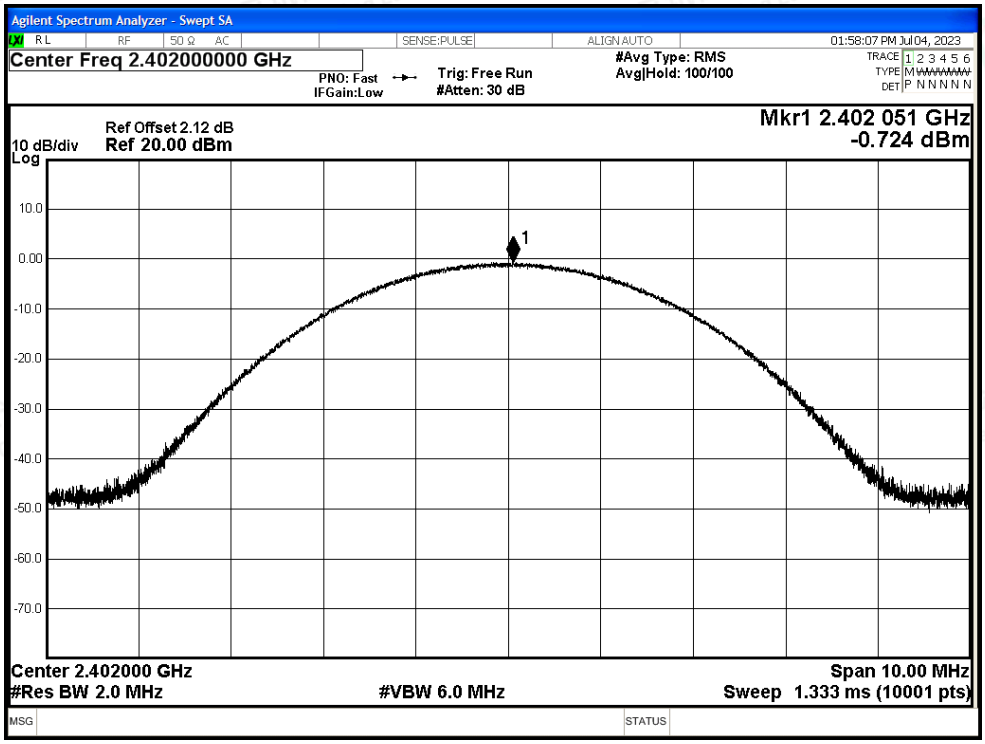
Power NVNT 2-DH5 2441MHz Ant1



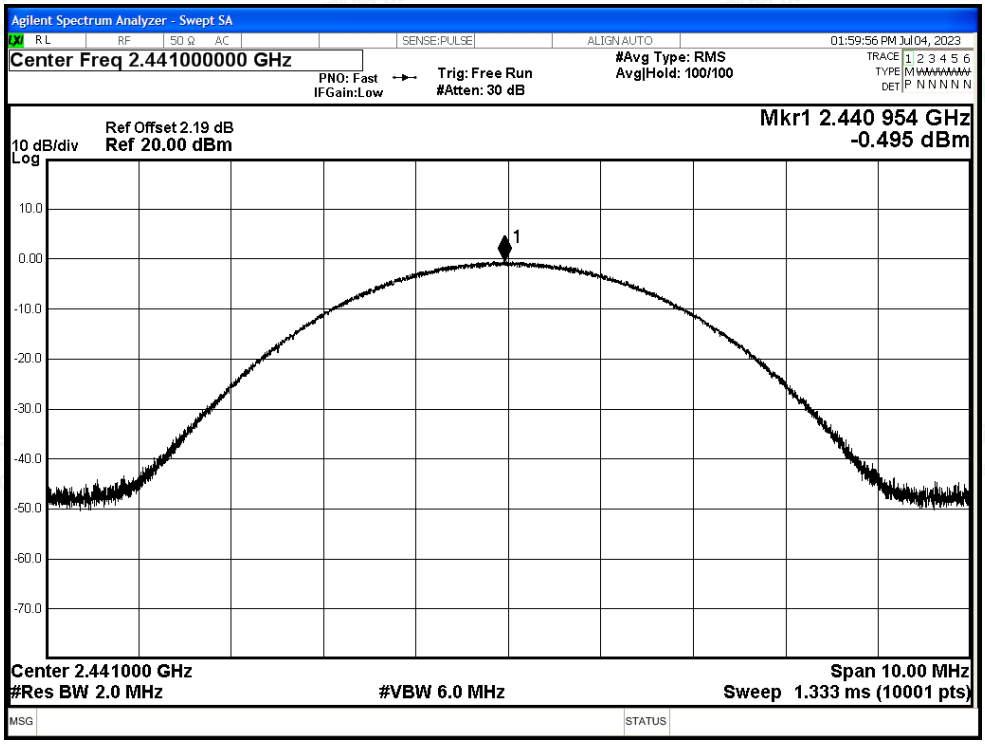
Power NVNT 2-DH5 2480MHz Ant1



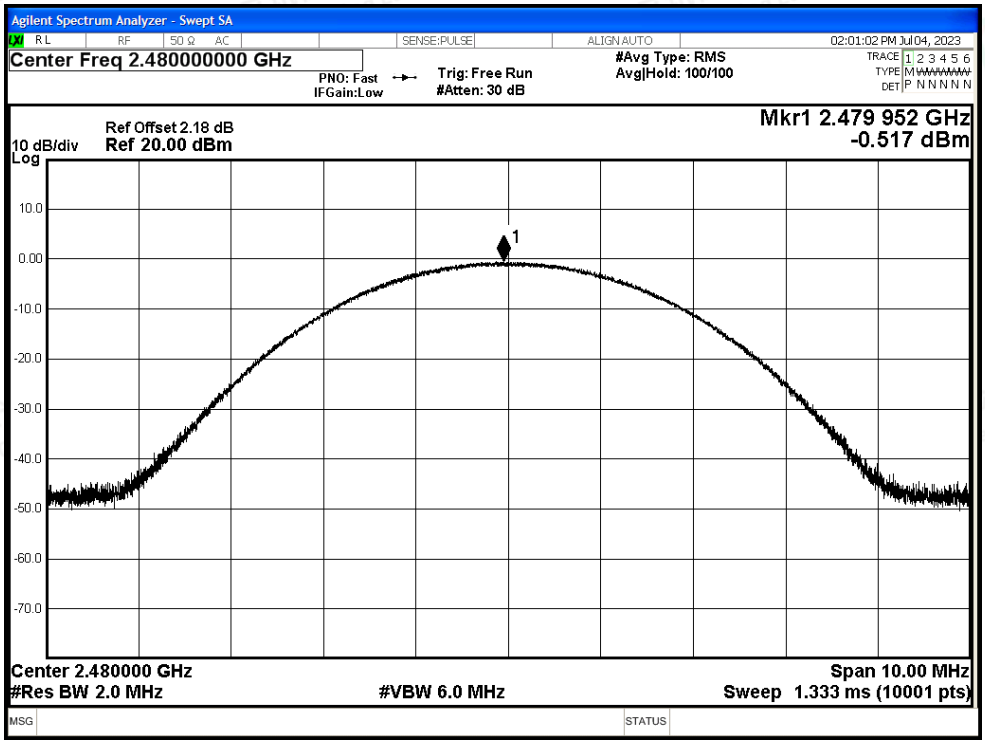
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

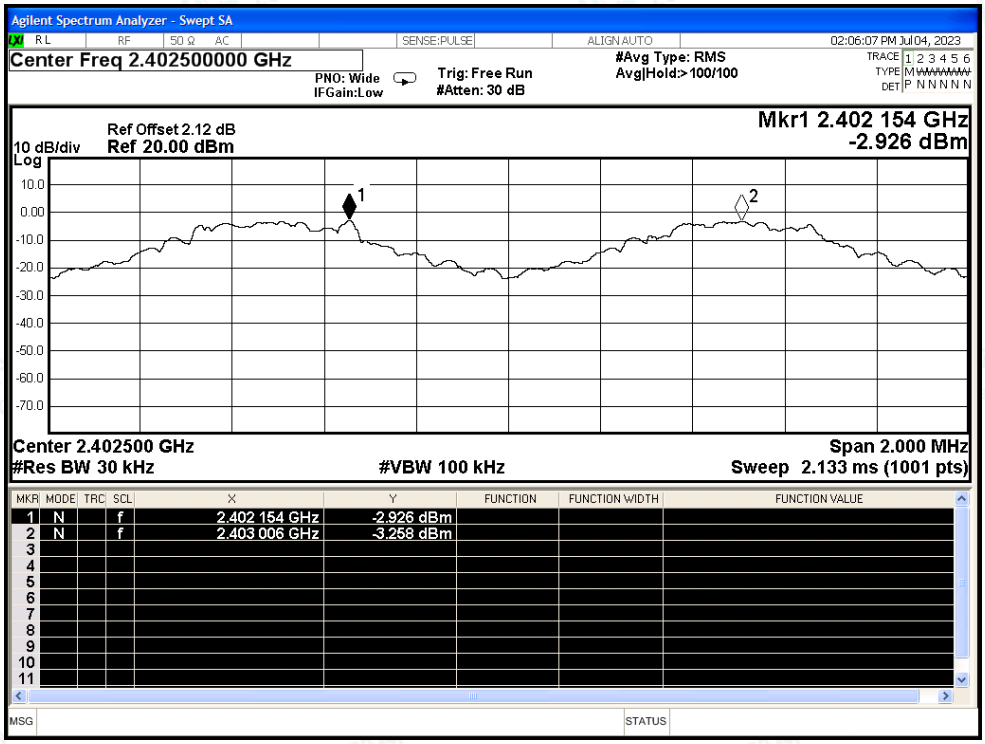


A.3 Carrier Frequencies Separation

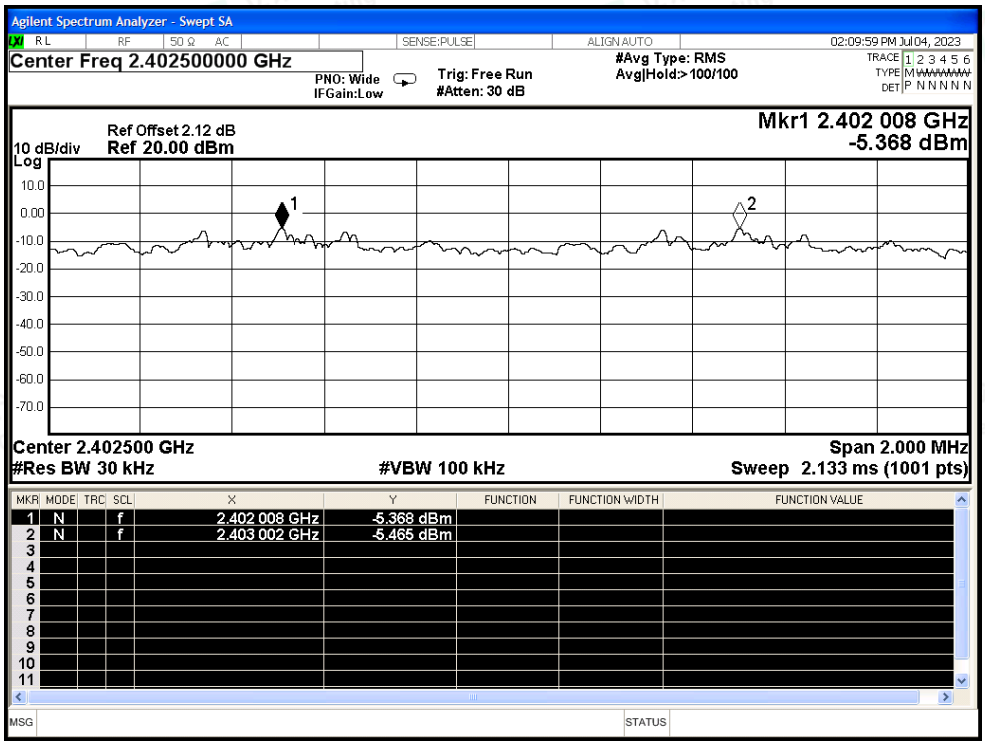
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.154	2403.006	0.852	0.677	Pass
NVNT	2-DH5	Ant1	2402.008	2403.002	0.994	0.873	Pass
NVNT	3-DH5	Ant1	2402.158	2403.152	0.994	0.870	Pass

Test Graphs

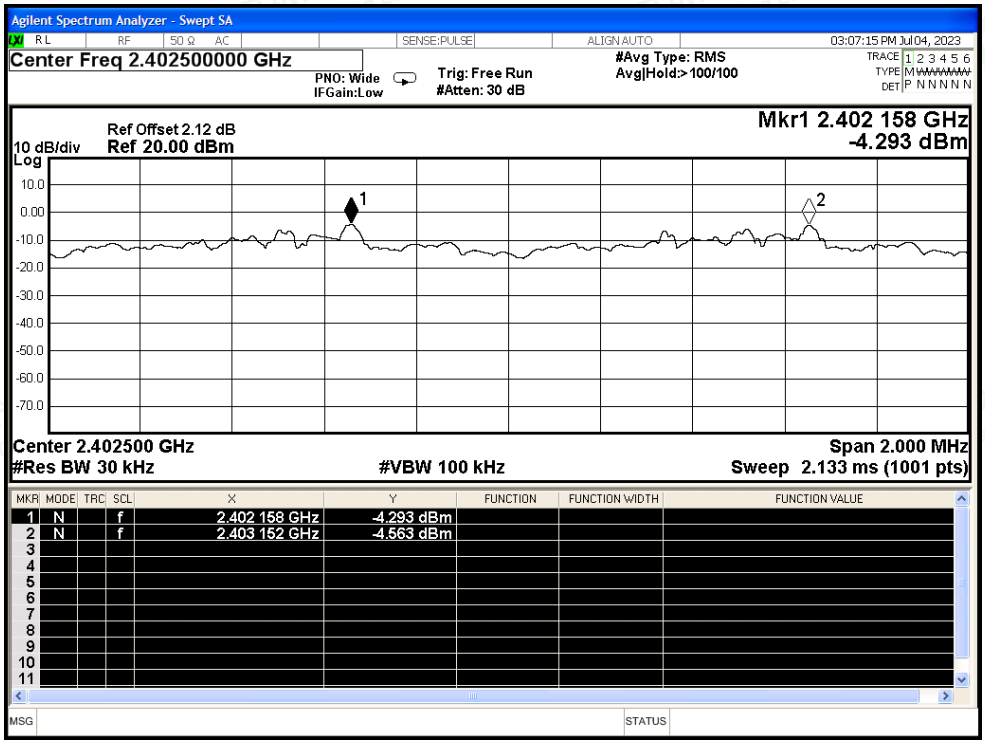
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

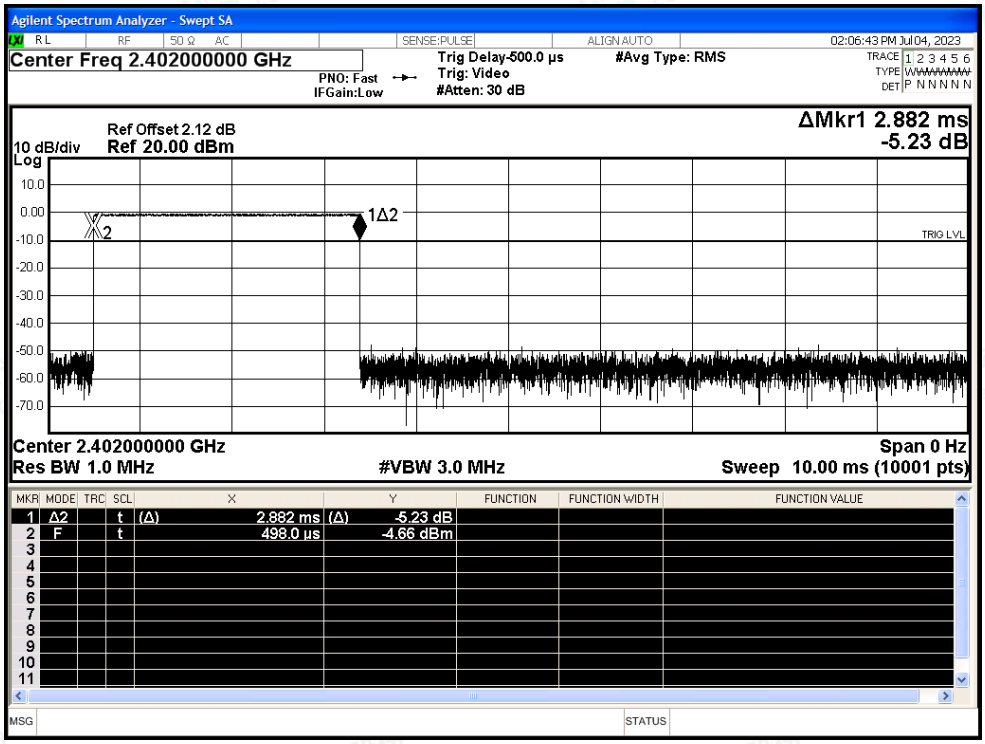


A.4 Dwell Time

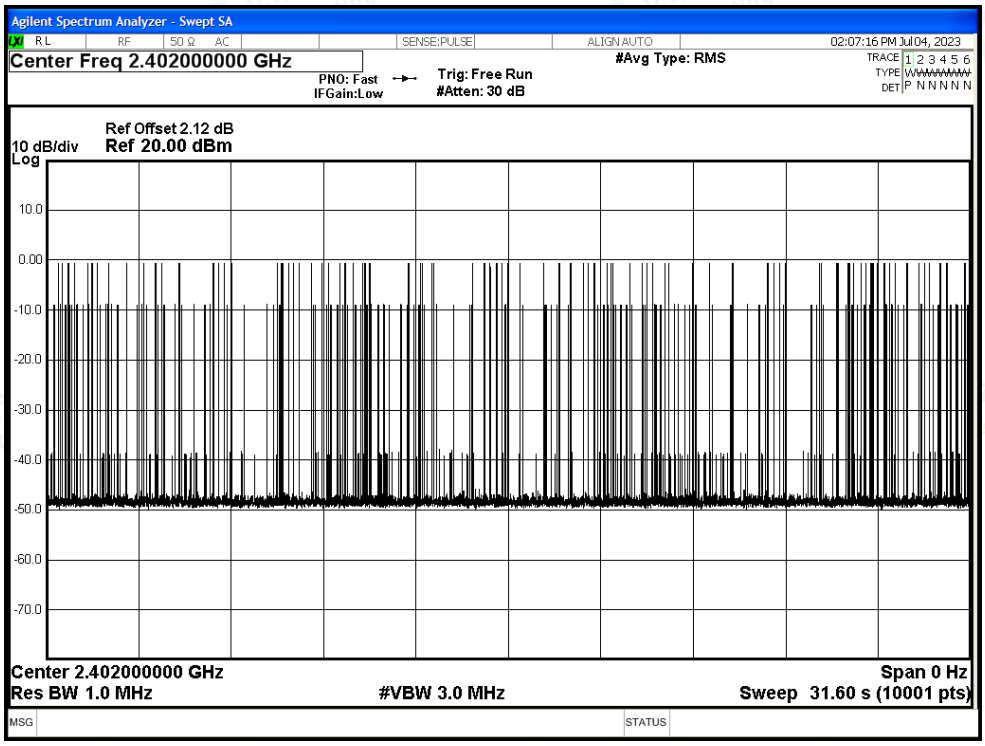
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	282.436	98	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	285.12	99	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	265.512	92	31600	400	Pass

Test Graphs

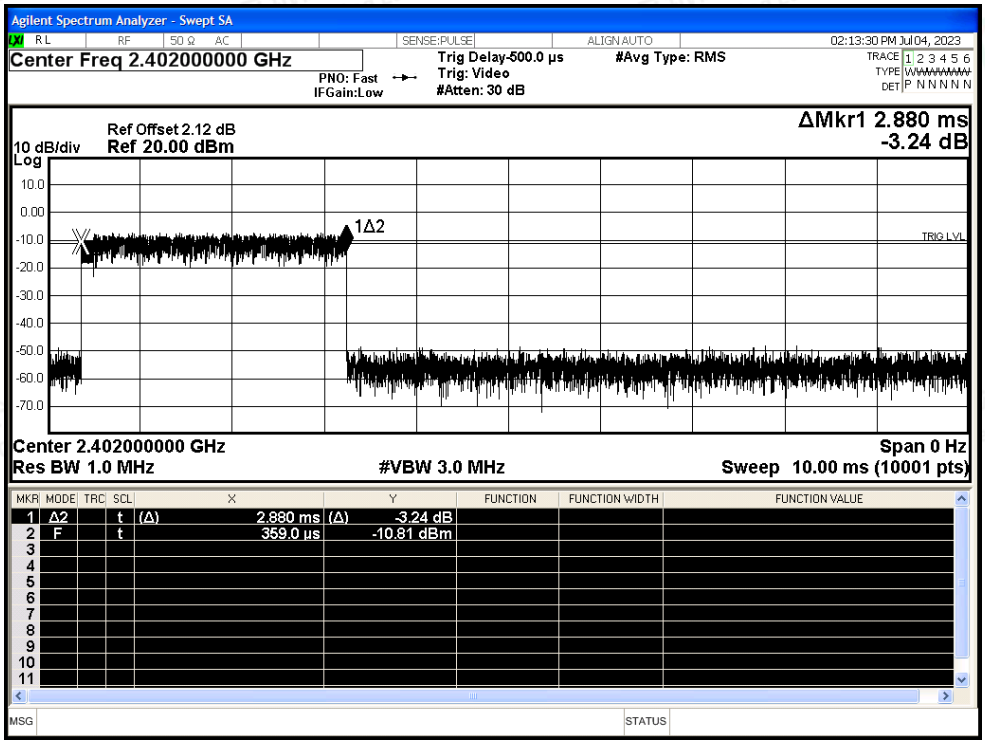
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



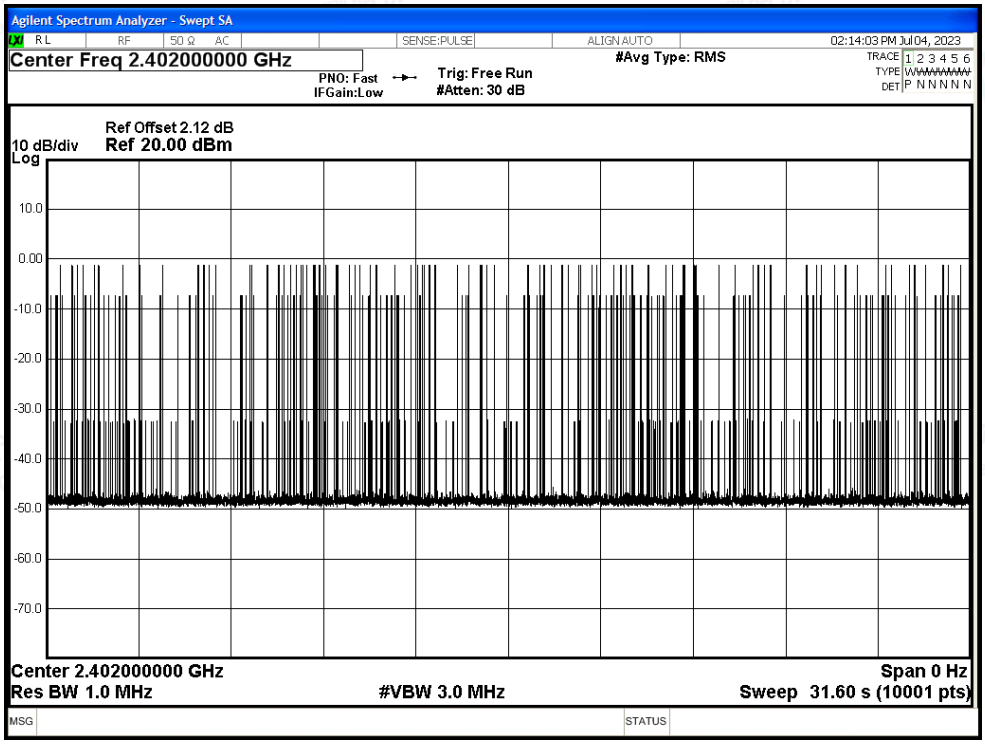
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



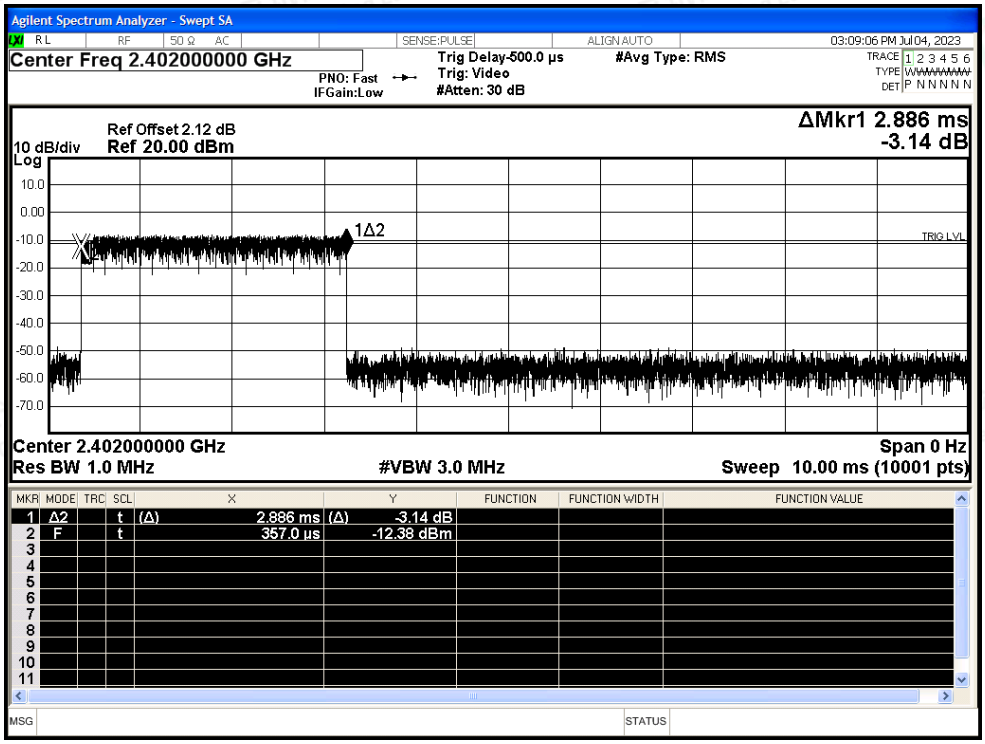
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



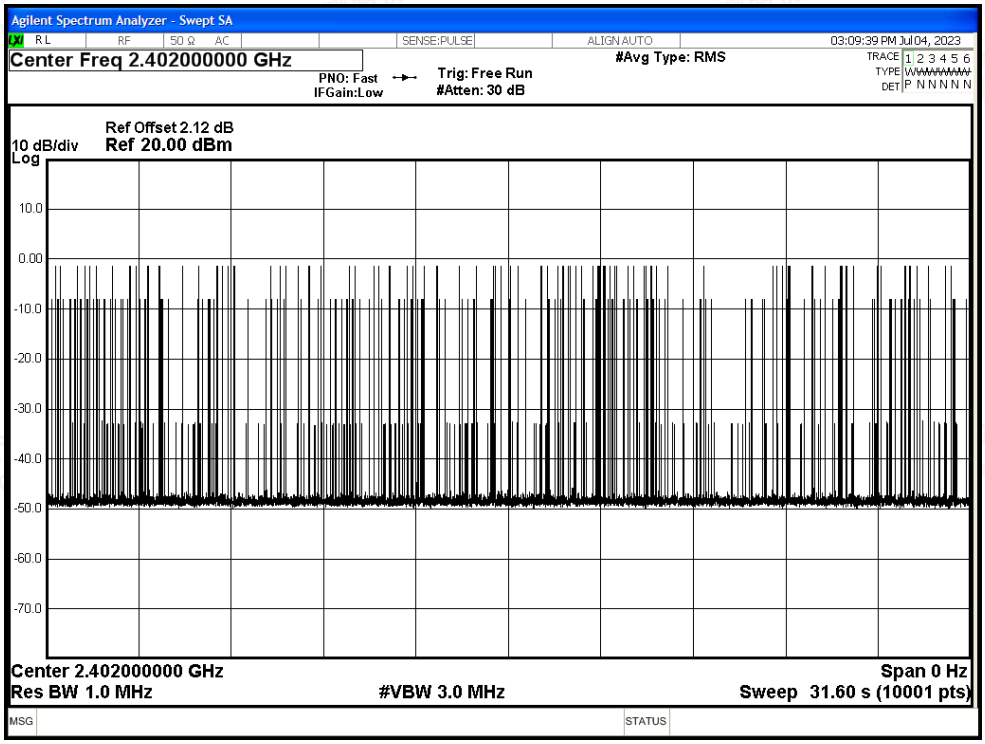
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

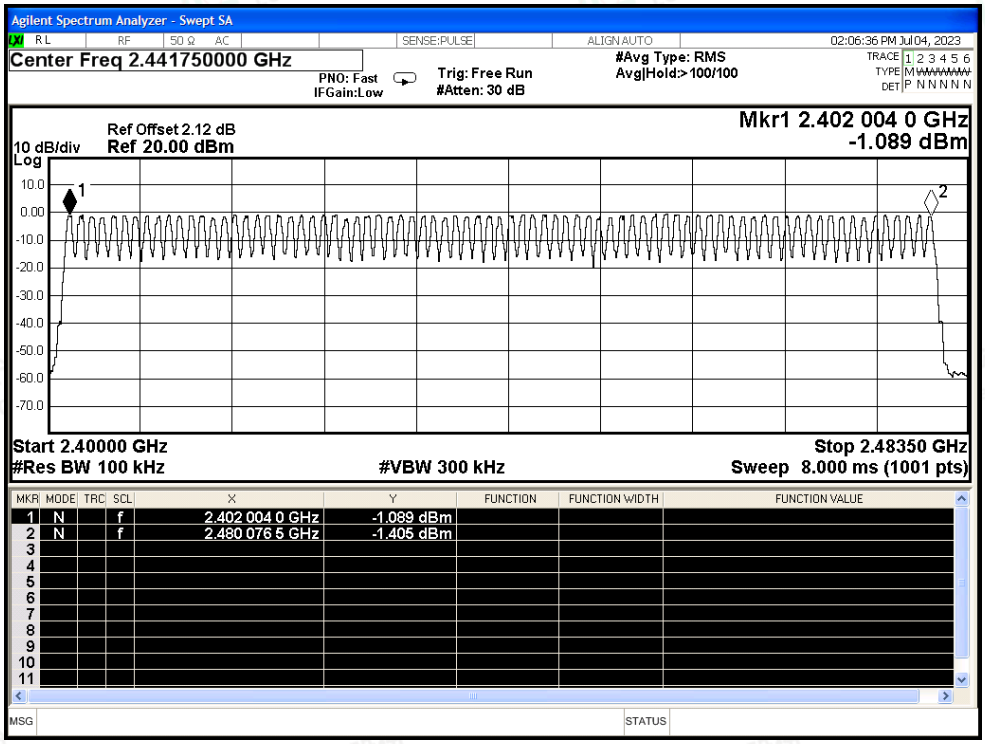


A.5 Number of Hopping Channel

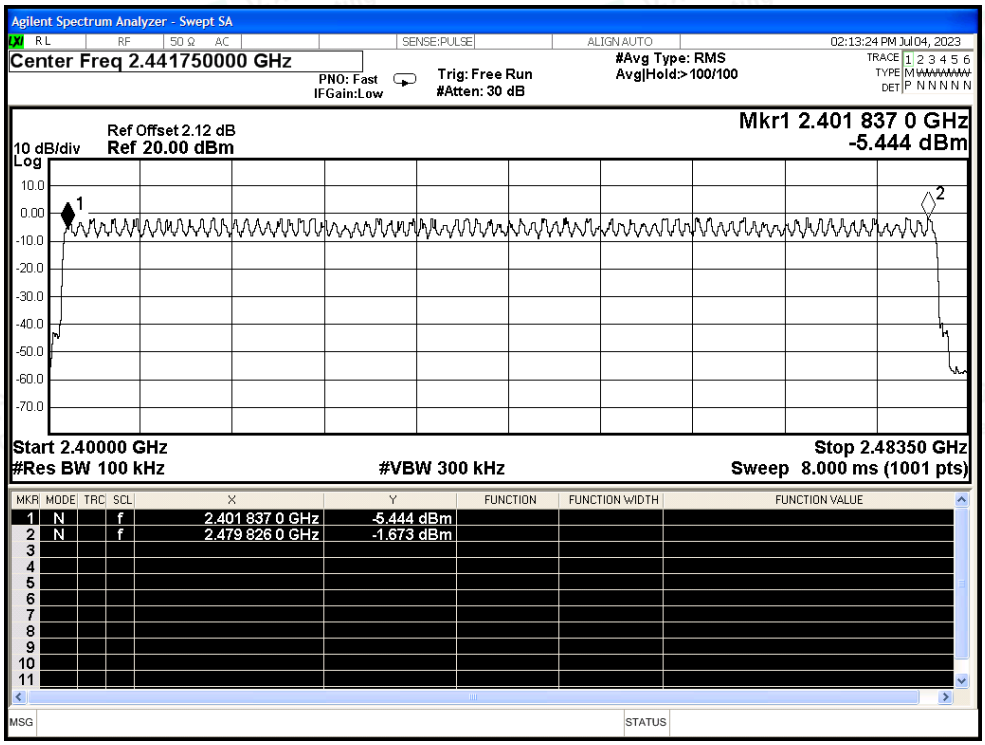
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

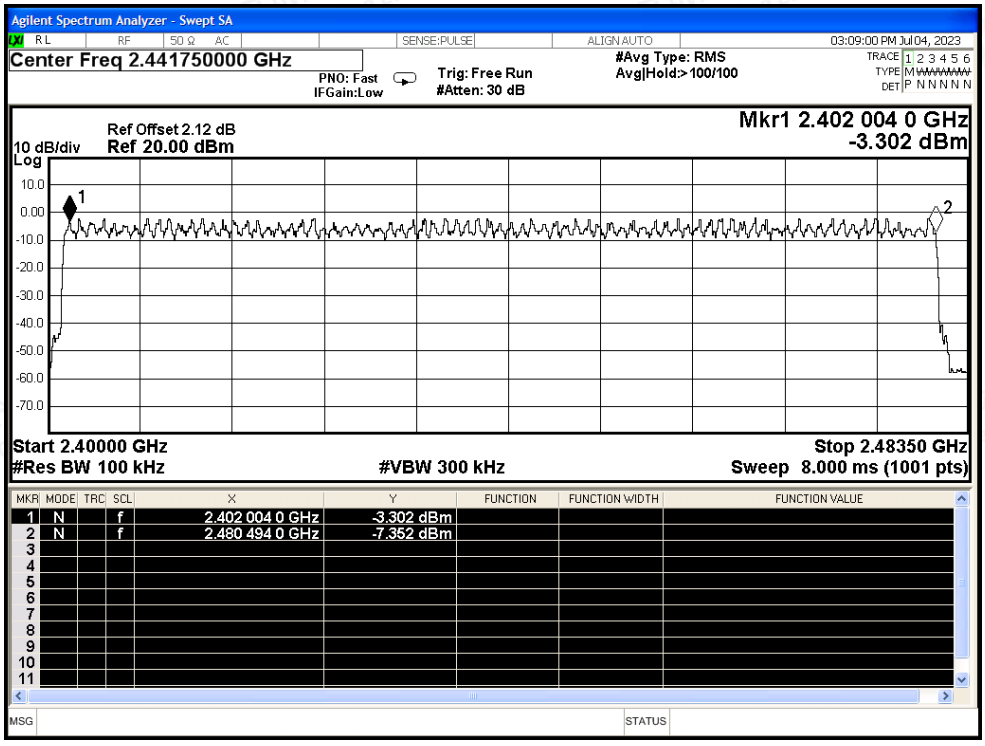
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

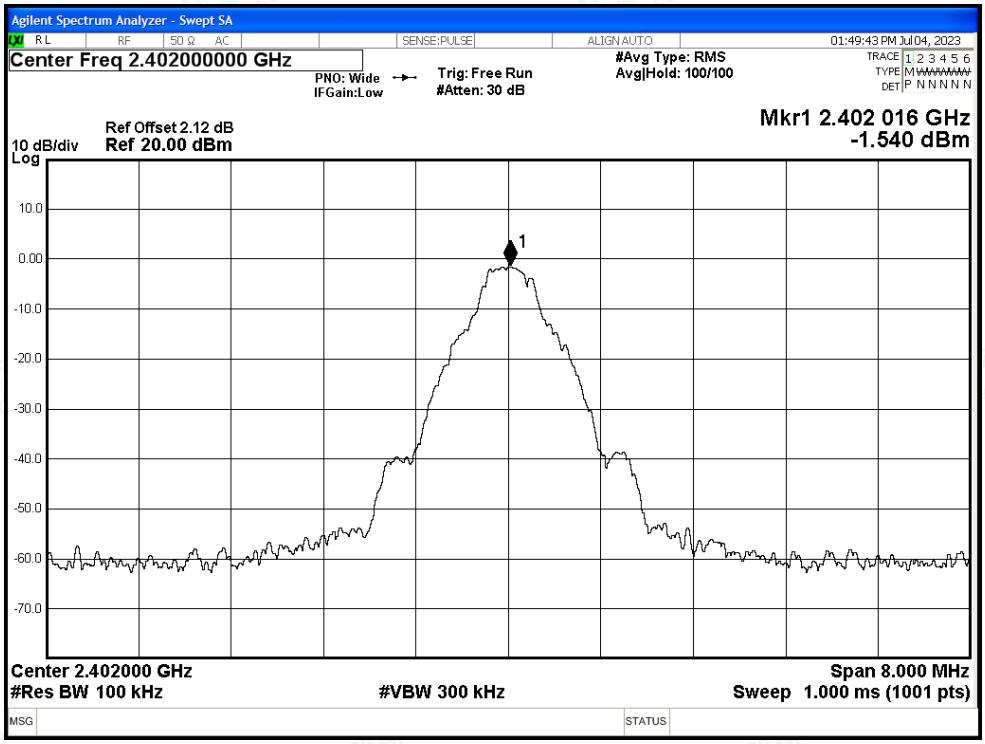


A.6 Band Edge

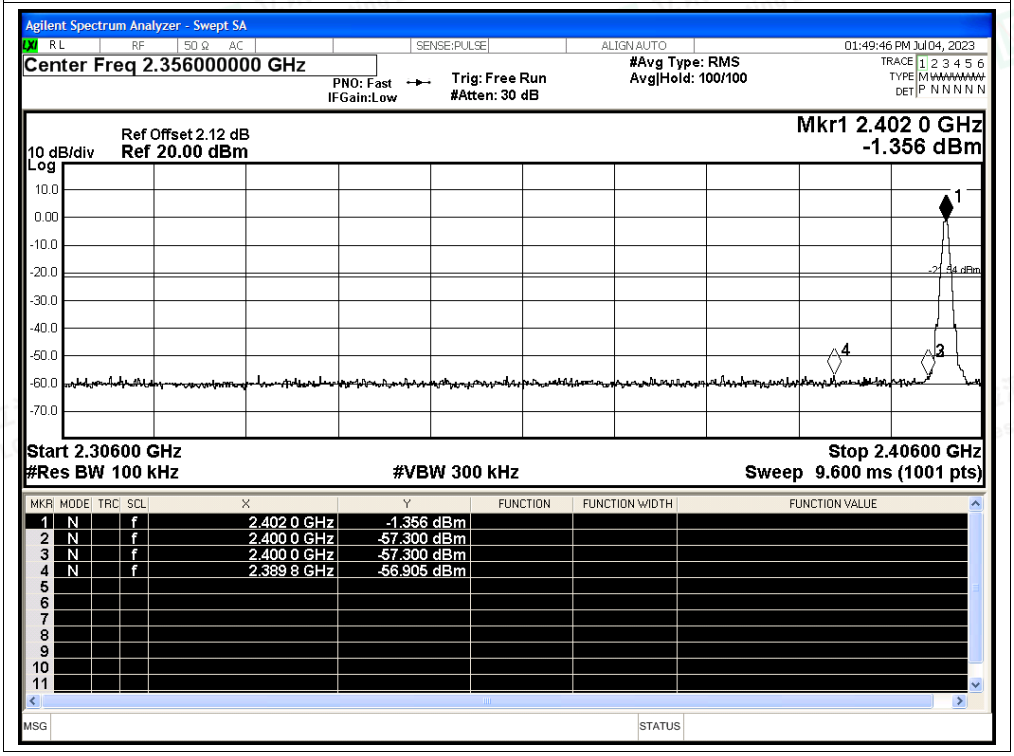
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.37	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-55.7	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.97	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.38	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.11	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-51.95	-20	Pass

Test Graphs

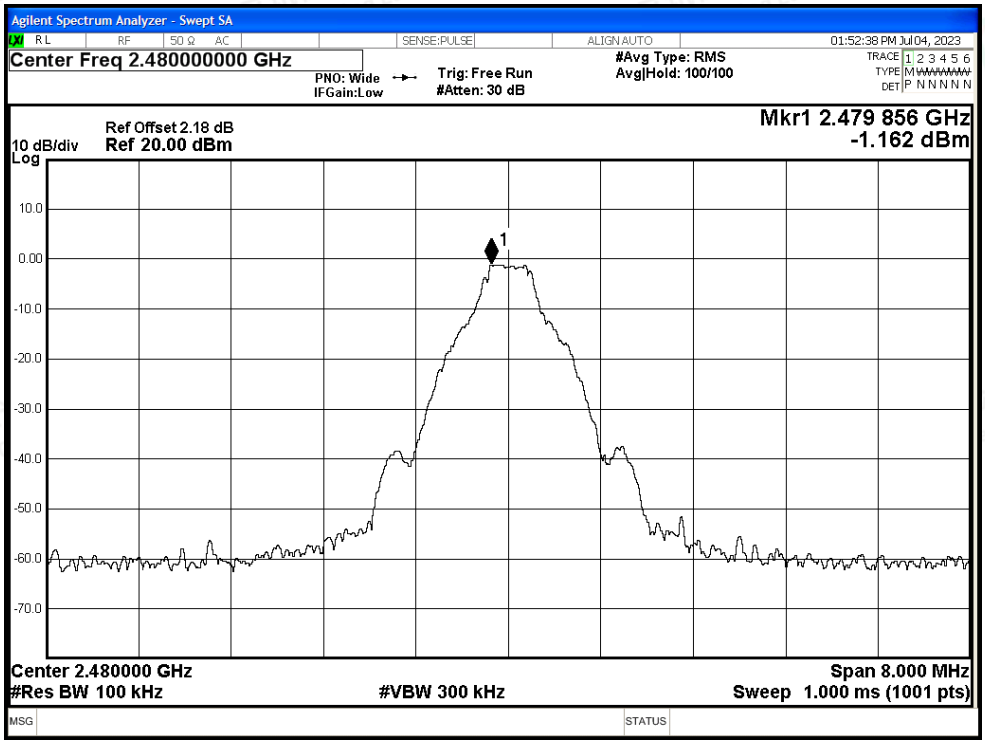
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



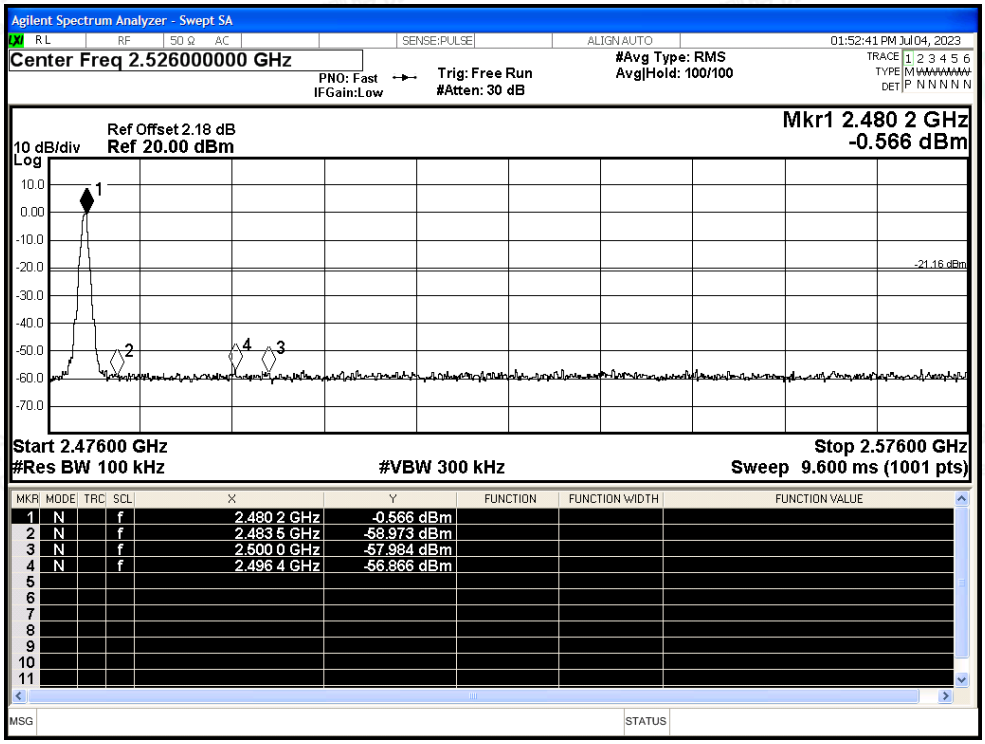
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



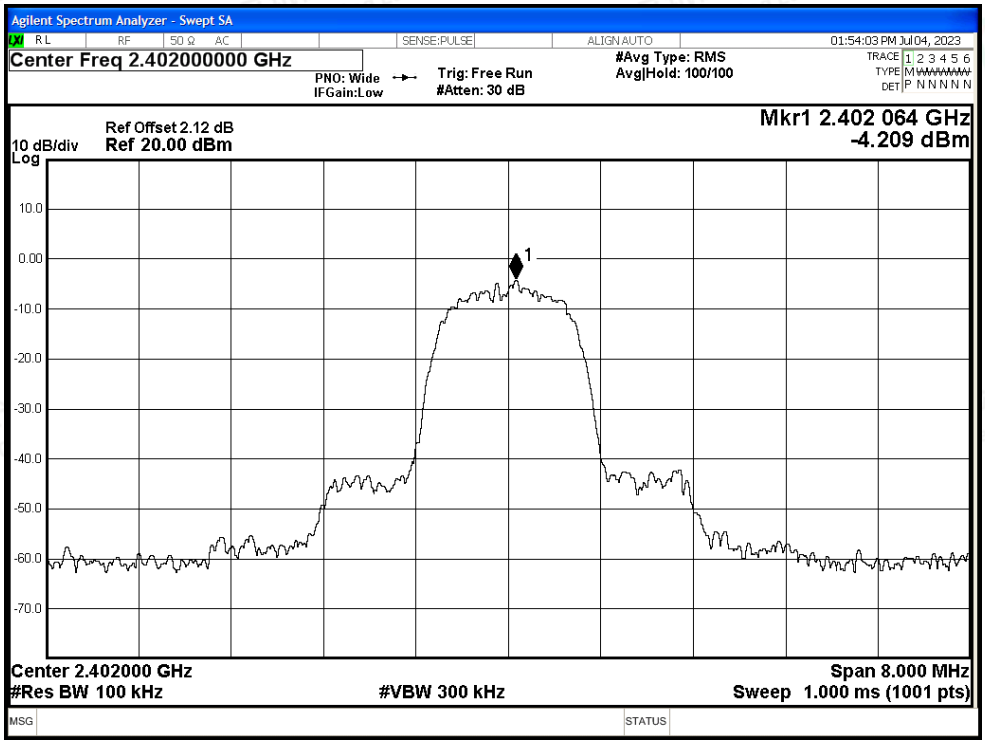
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



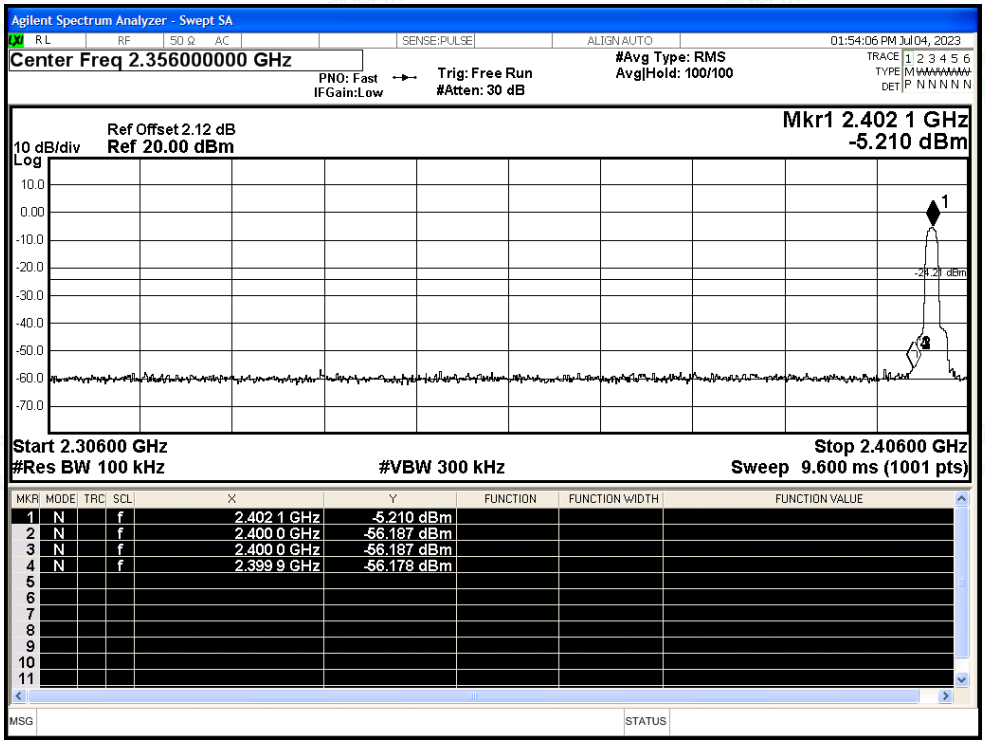
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



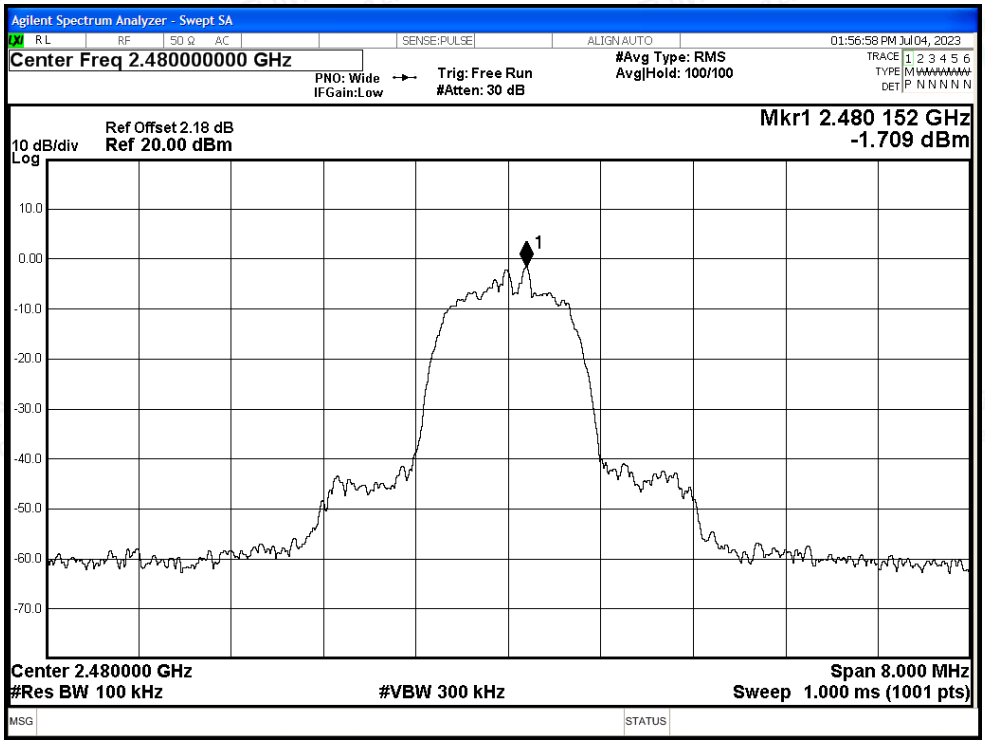
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



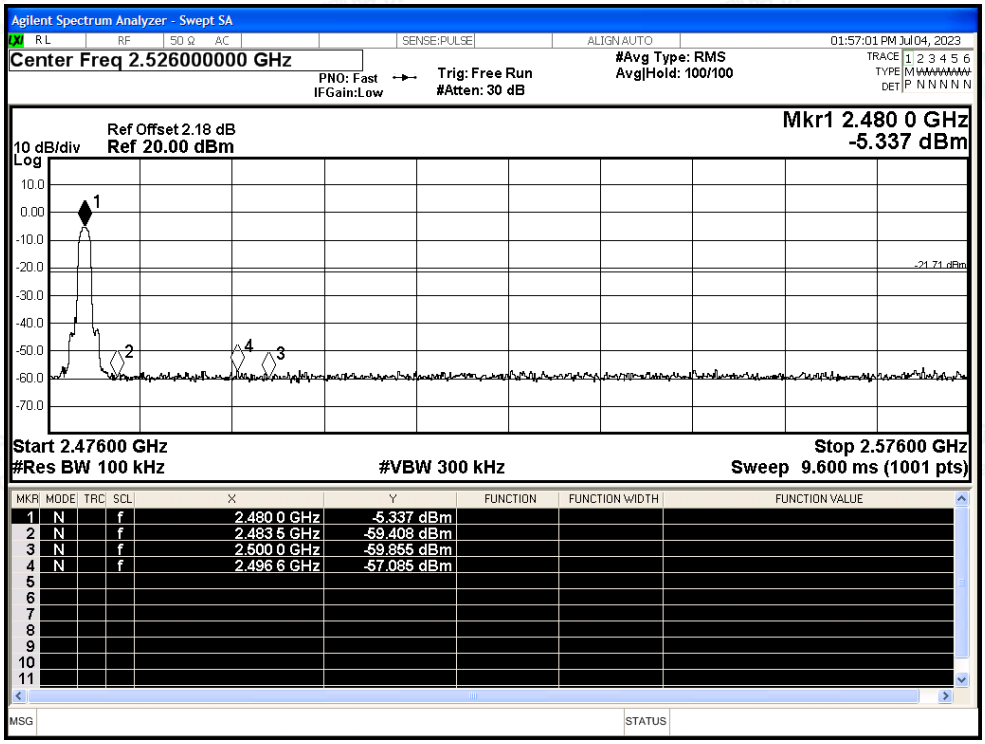
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



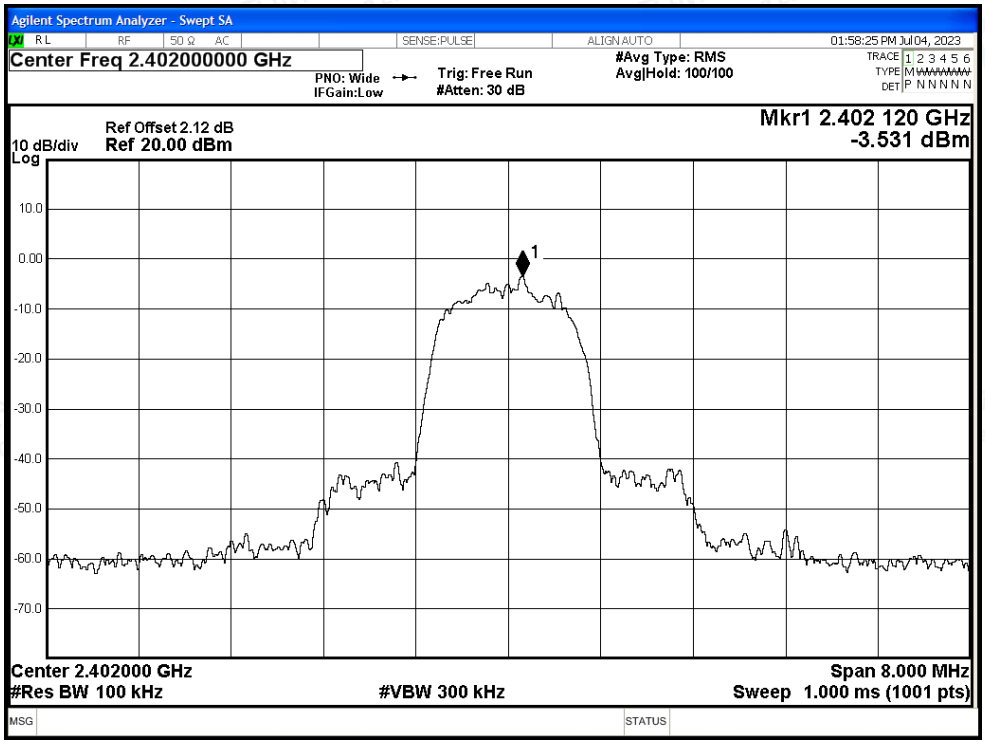
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



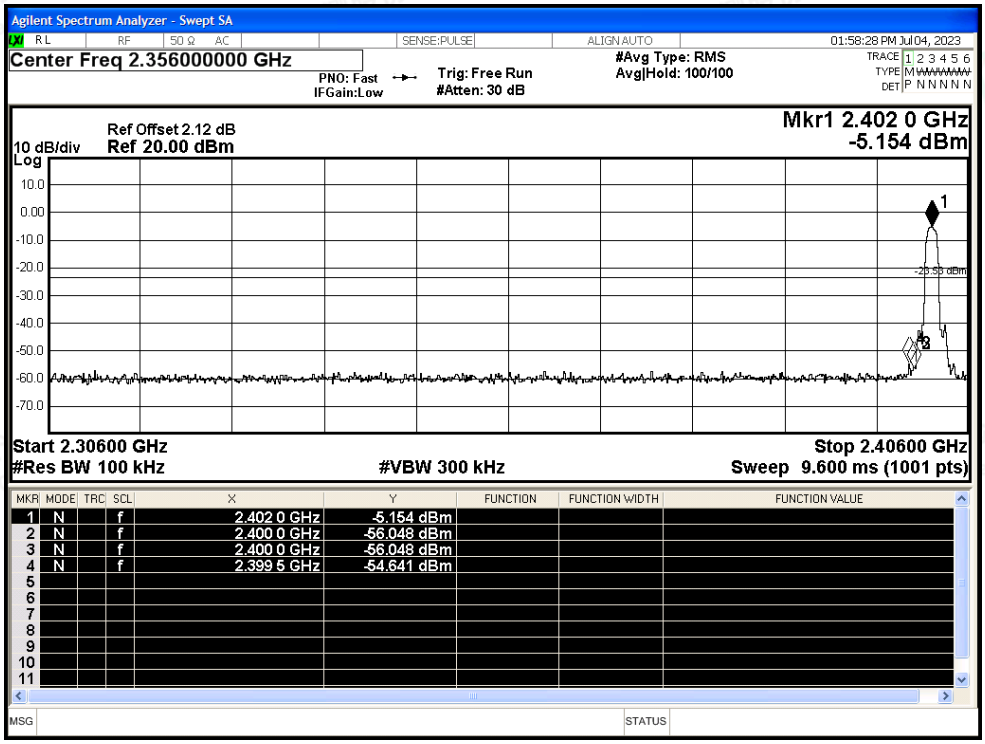
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



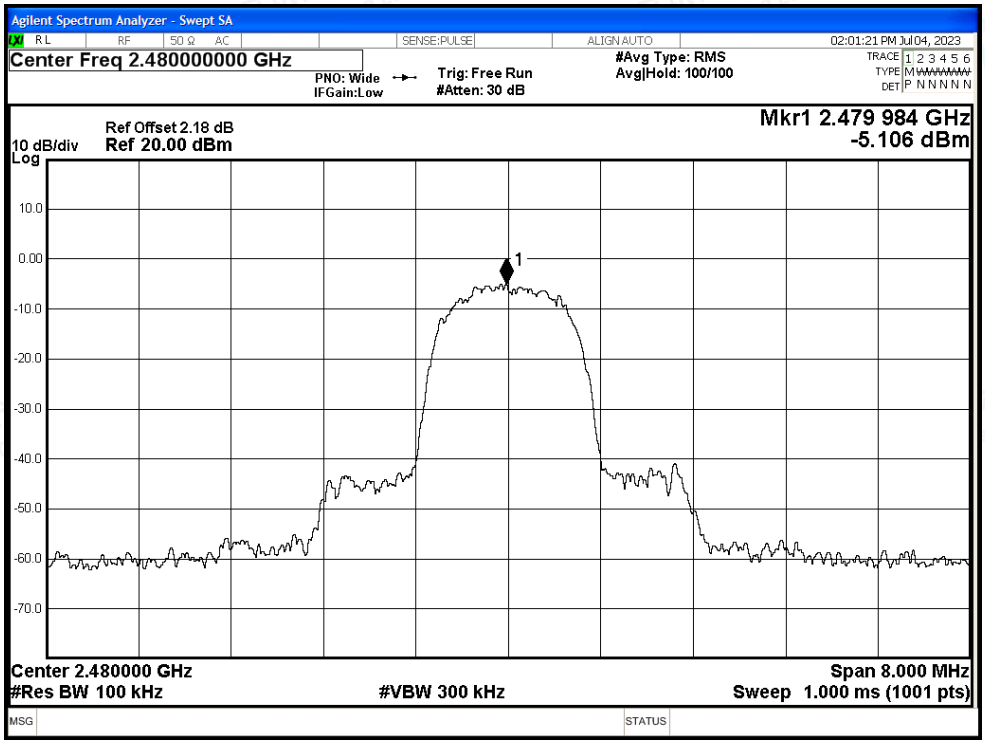
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



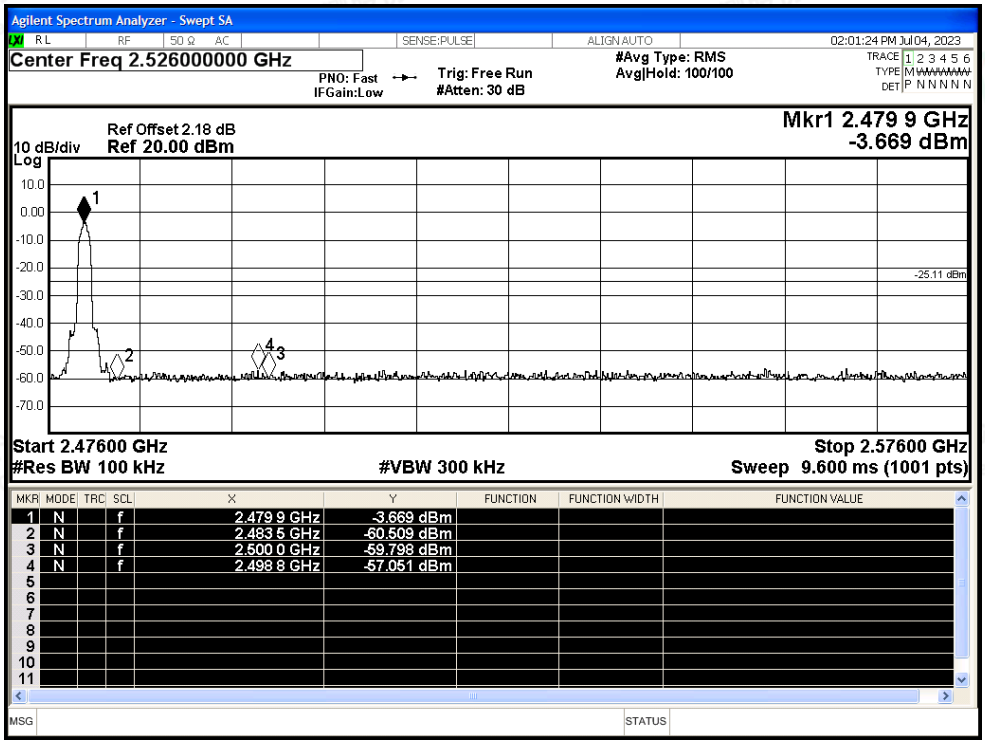
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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

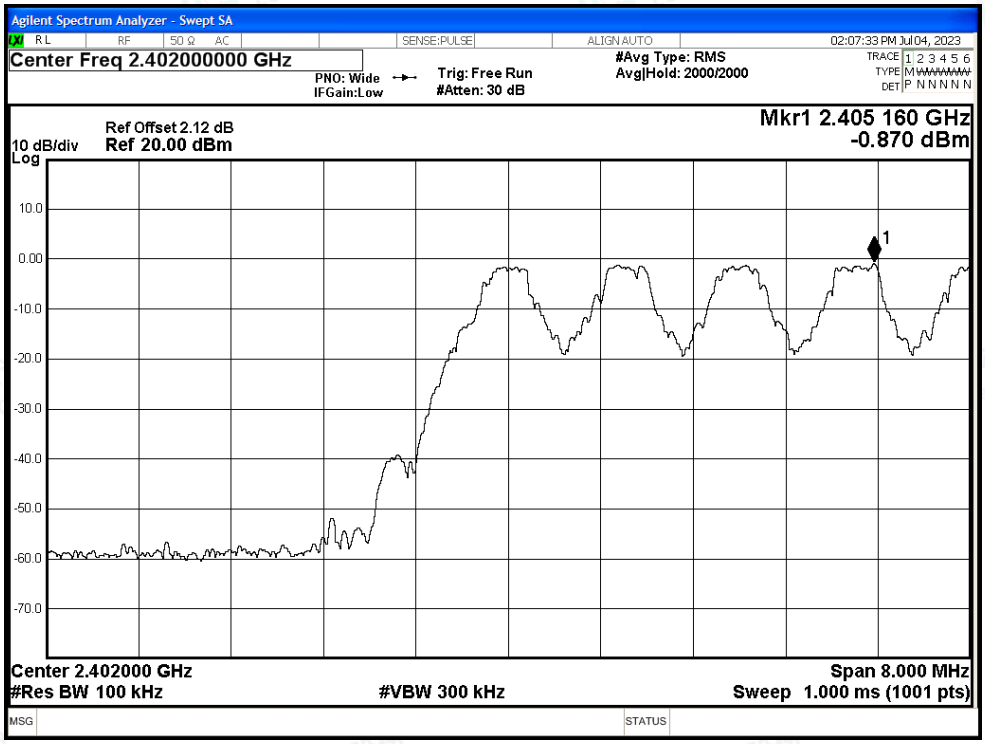


(Hopping)

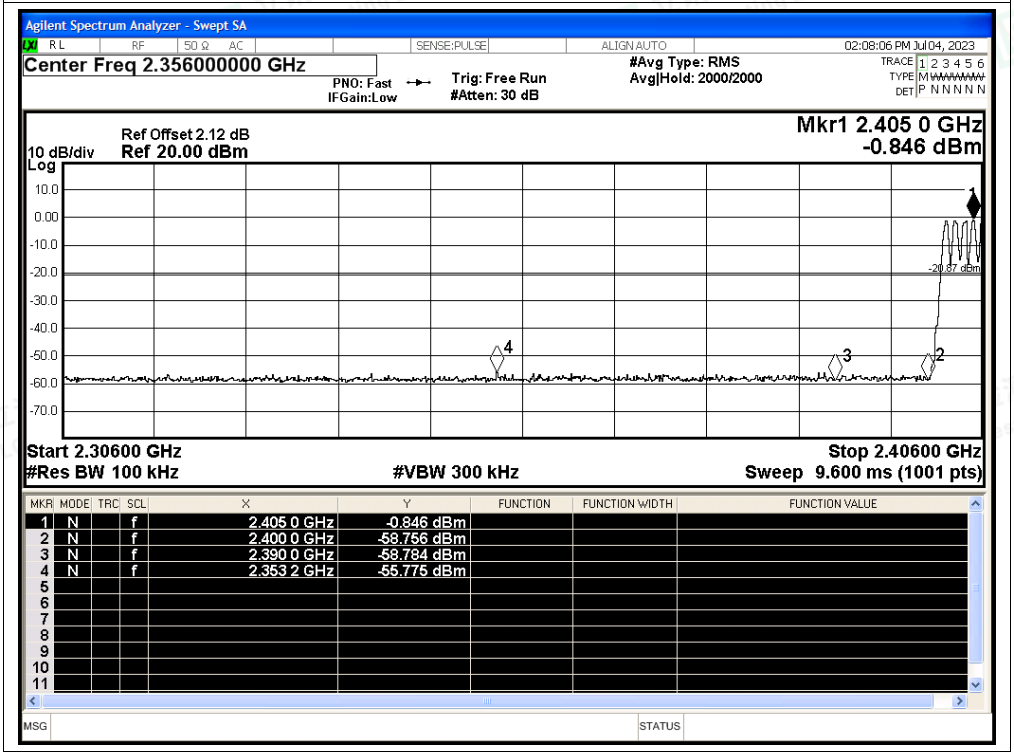
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-54.91	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.51	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.23	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-50.93	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-52.72	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.27	-20	Pass

Test Graphs

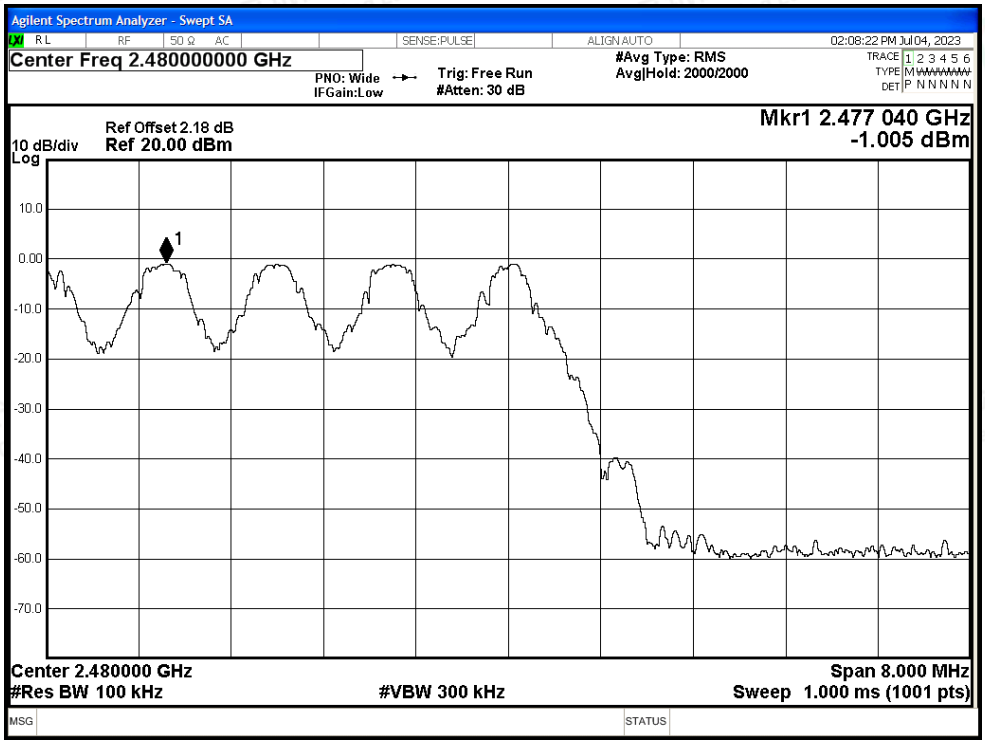
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



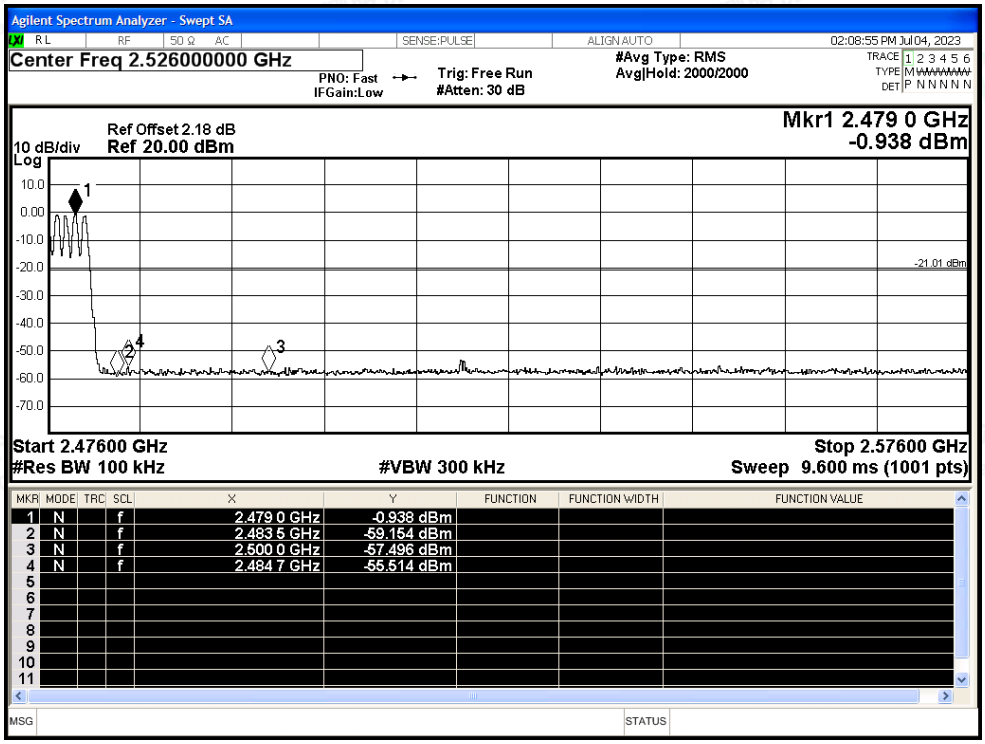
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



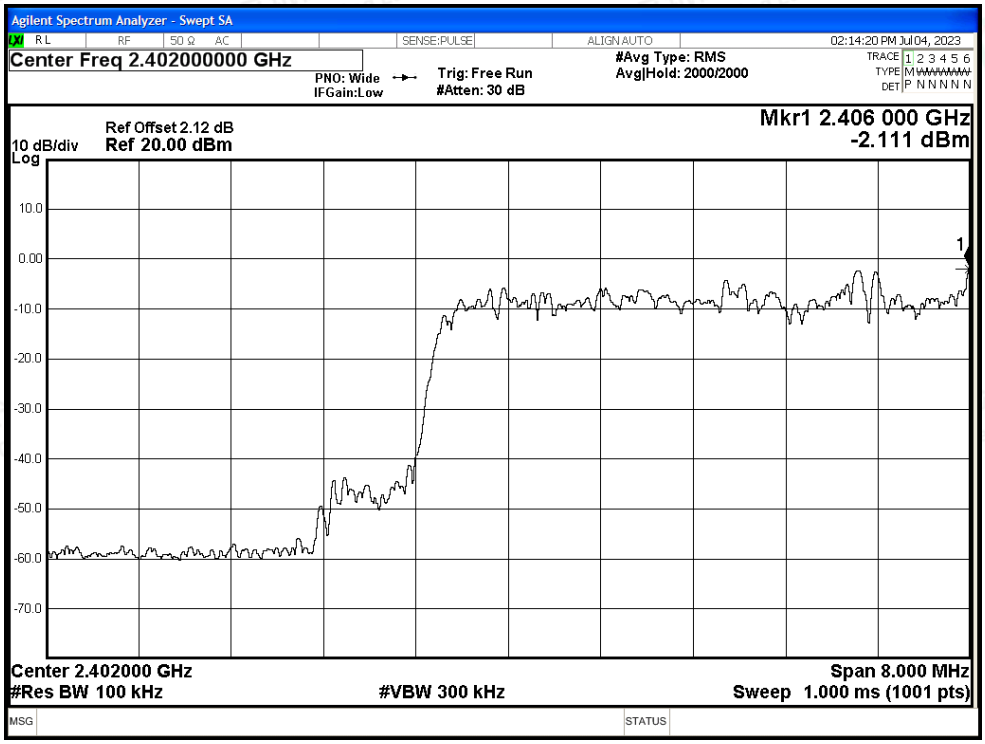
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



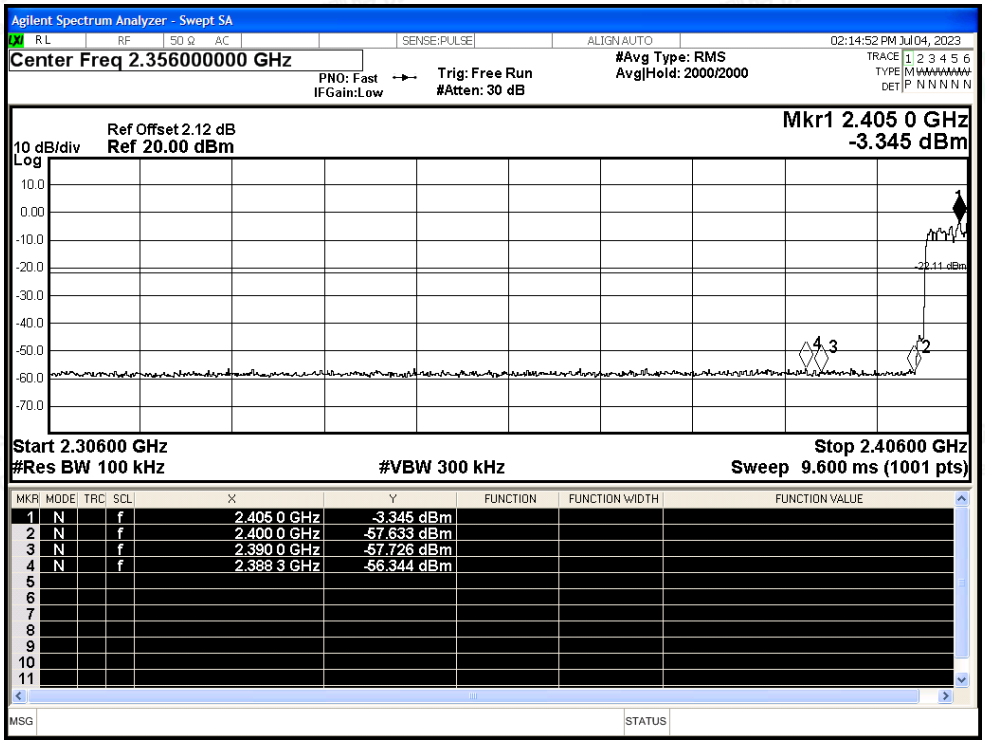
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



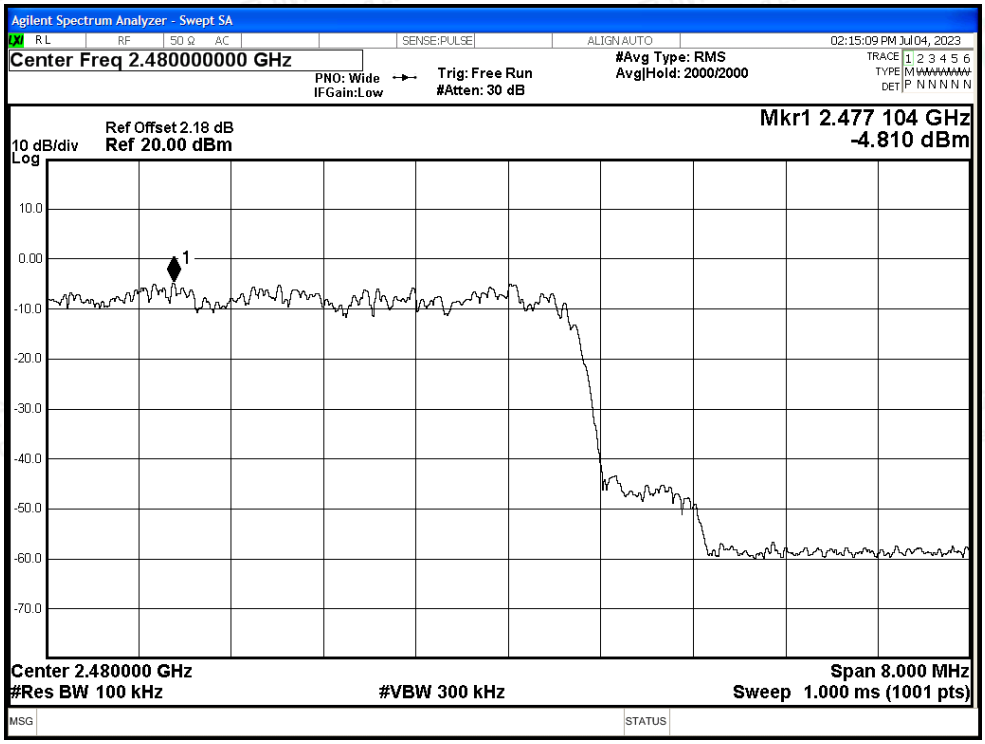
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



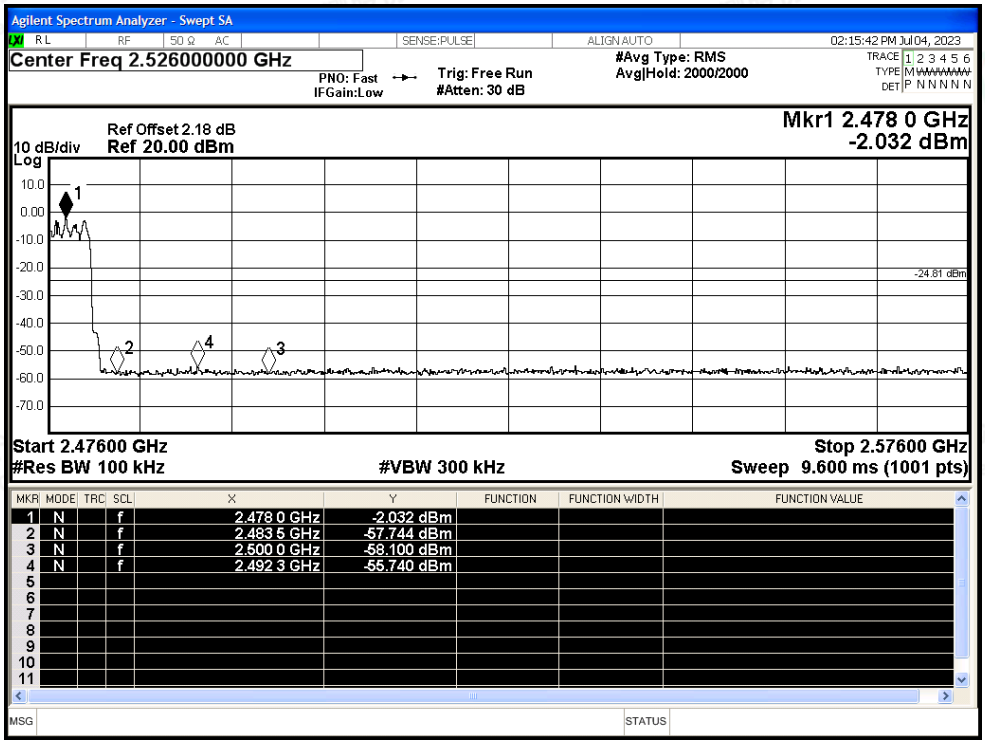
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



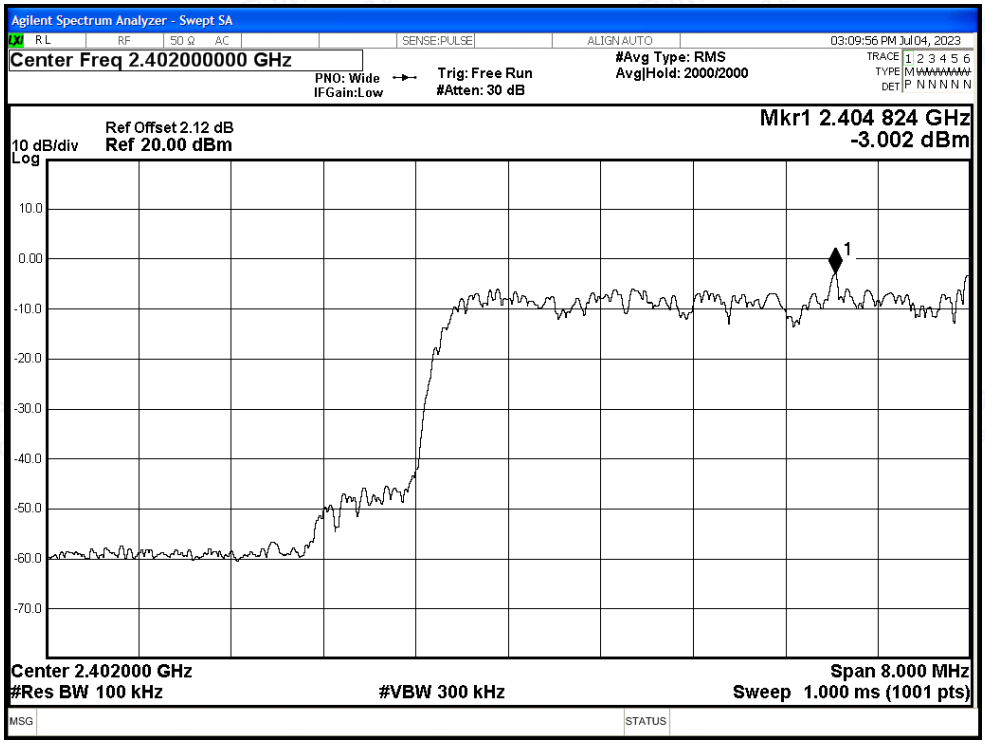
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



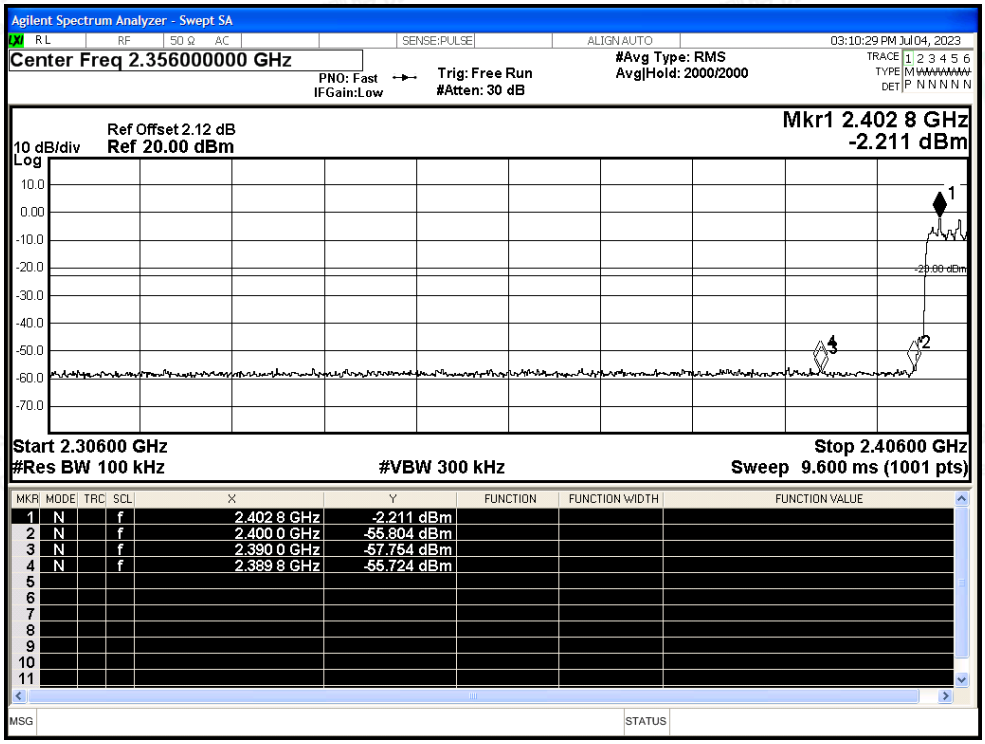
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



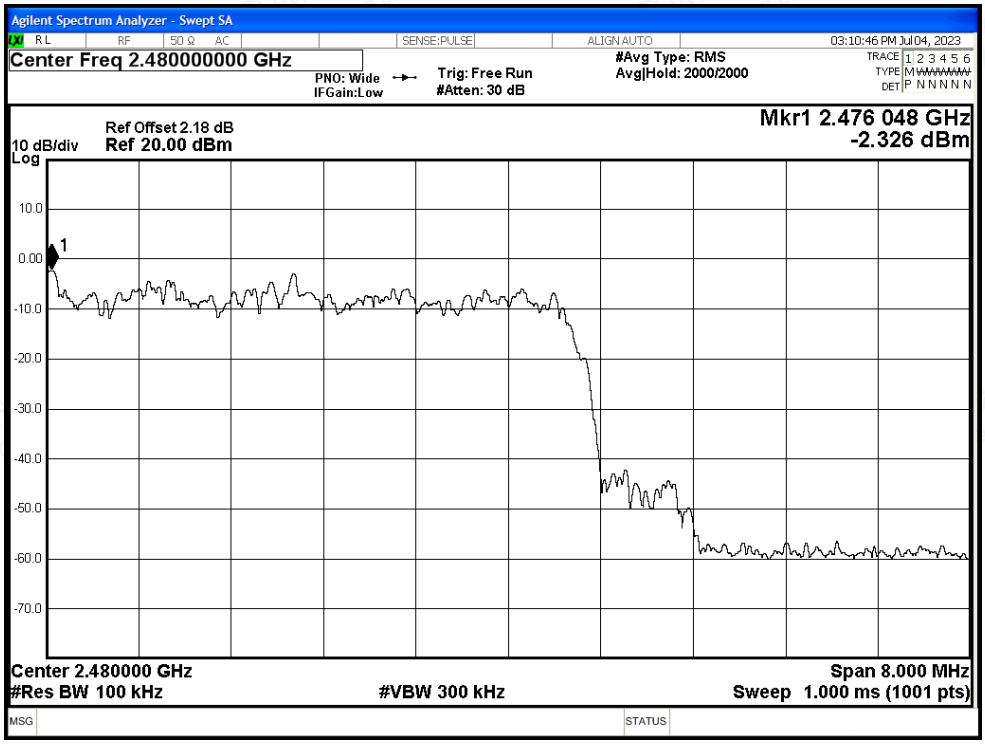
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



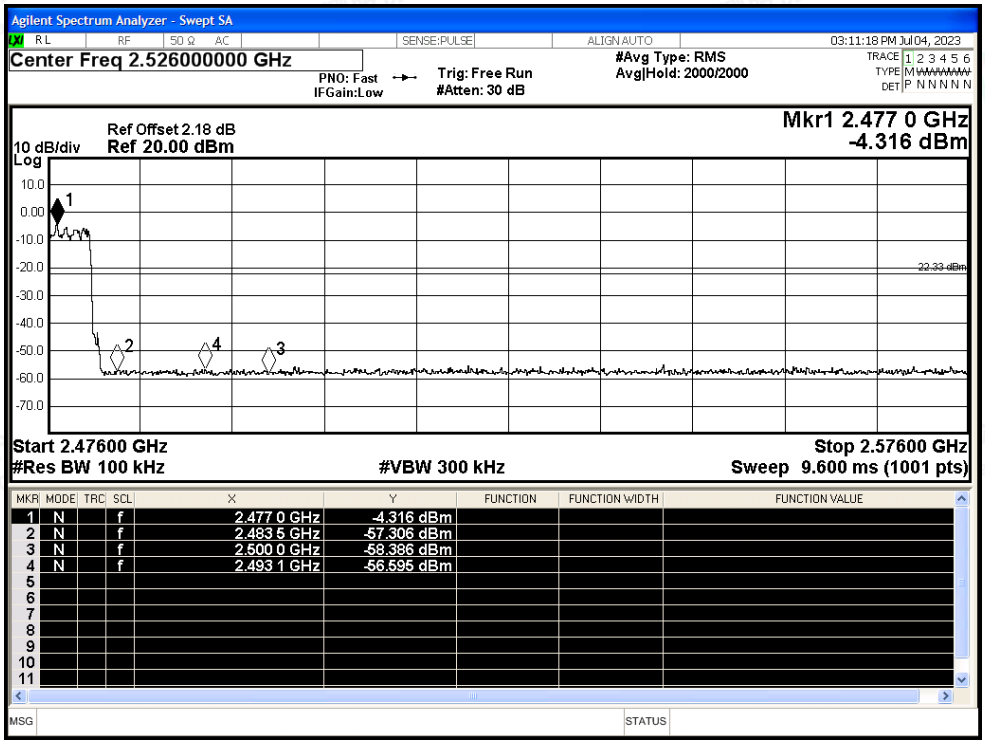
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

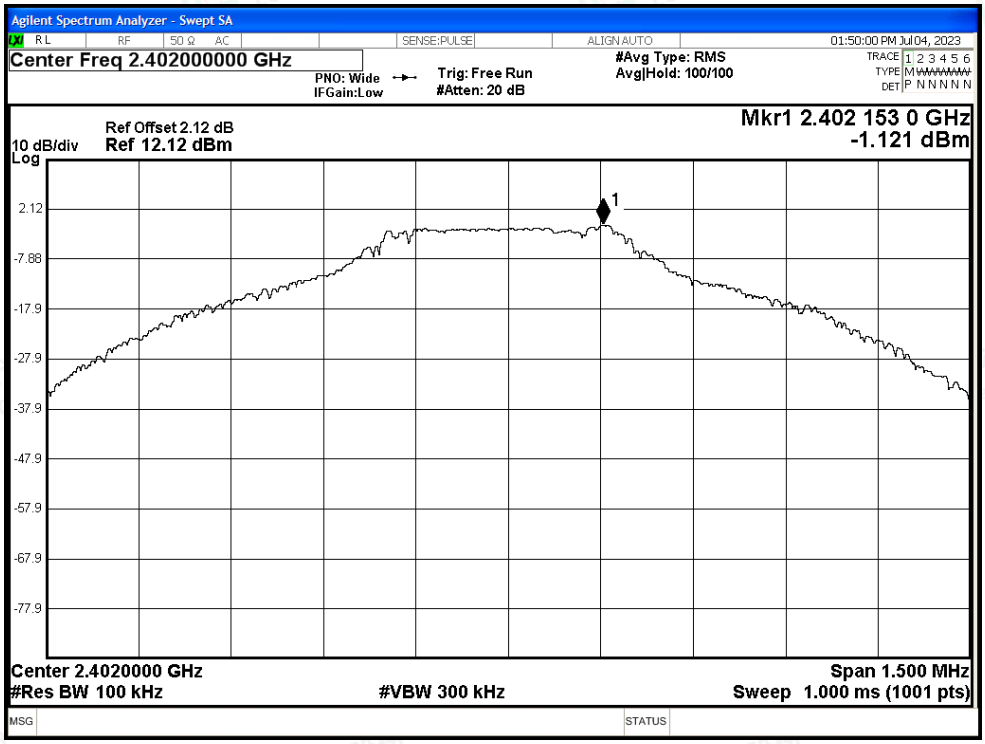


A.7 Conducted RF Spurious Emission

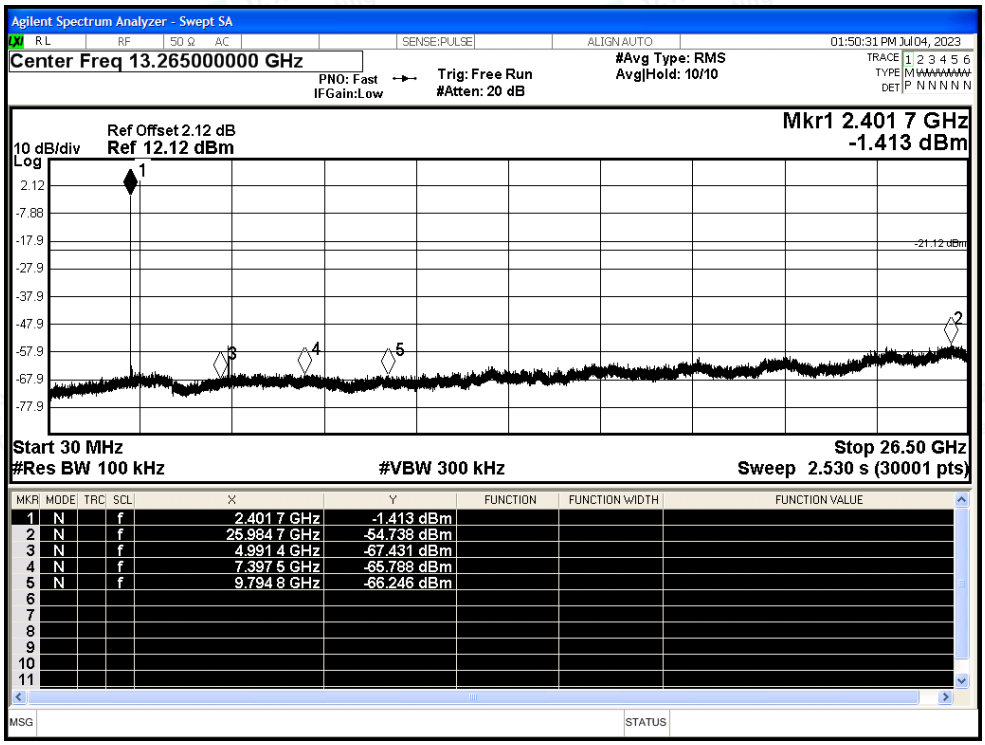
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-53.62	-20	Pass
NVNT	1-DH5	2441	Ant1	-53.81	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.62	-20	Pass
NVNT	2-DH5	2402	Ant1	-53	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.24	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.4	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.78	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.3	-20	Pass
NVNT	3-DH5	2480	Ant1	-50.68	-20	Pass

Test Graphs

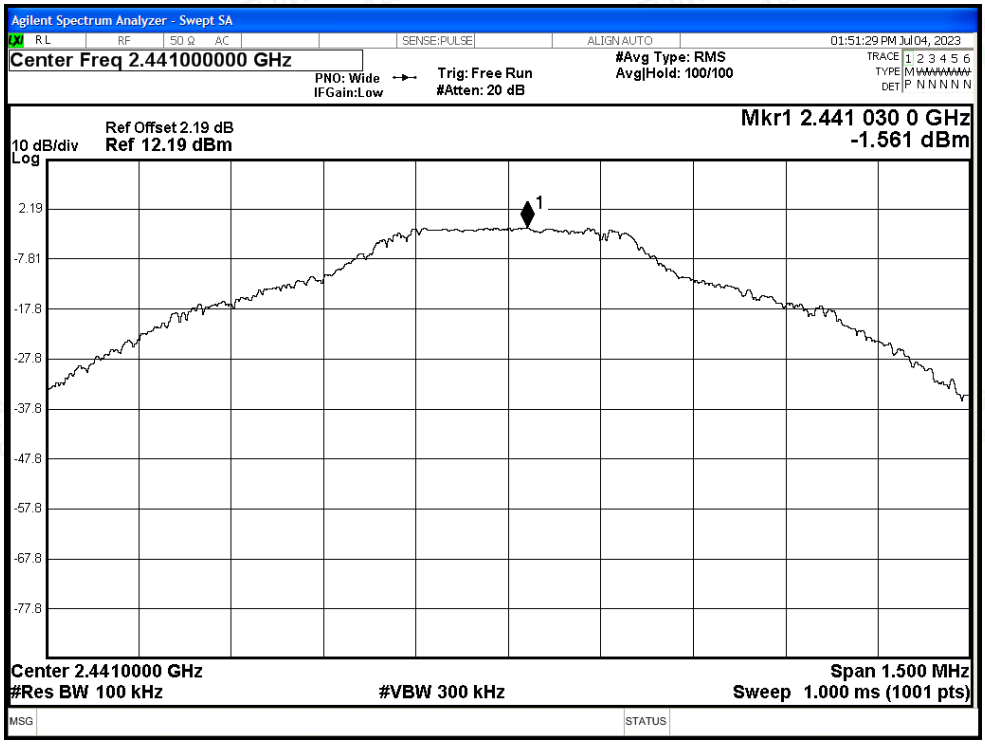
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



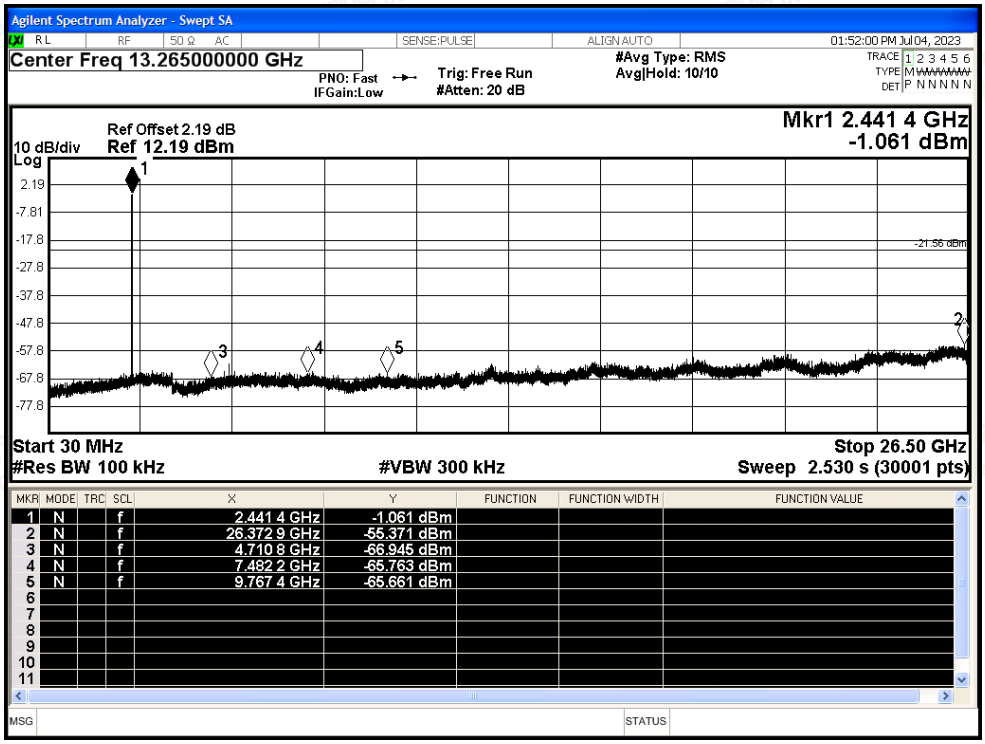
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



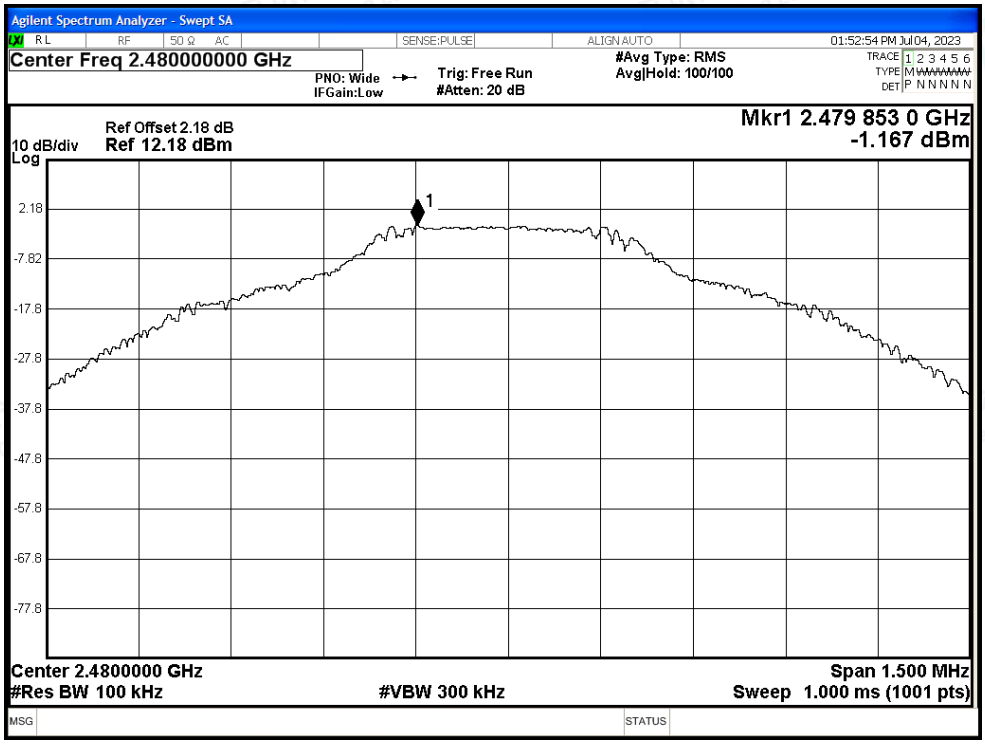
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



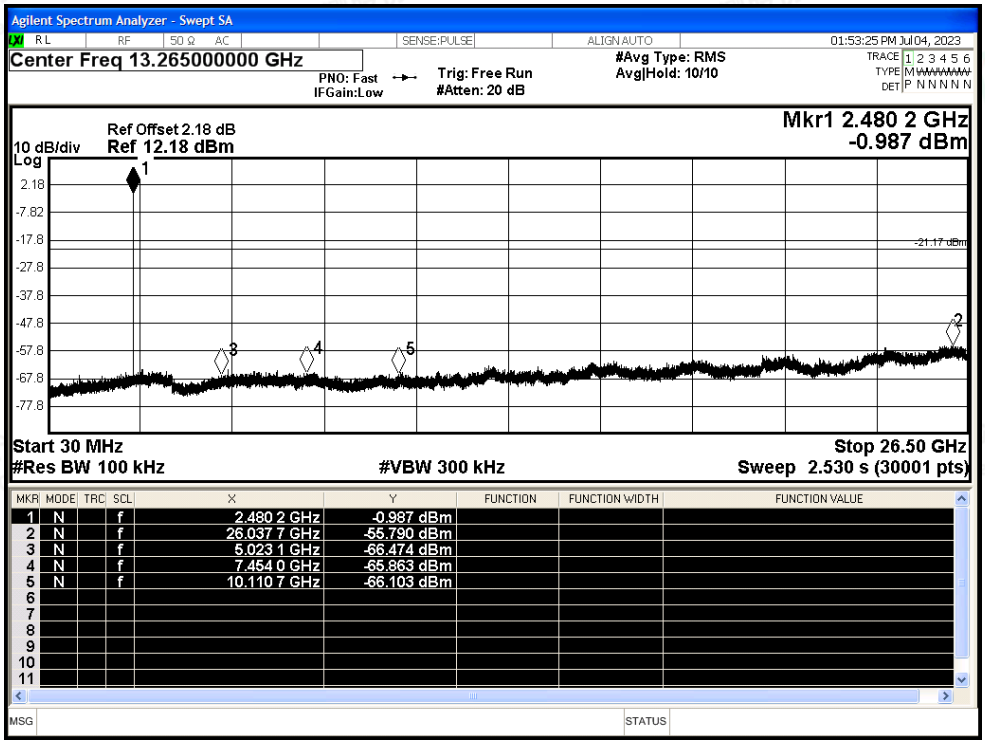
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

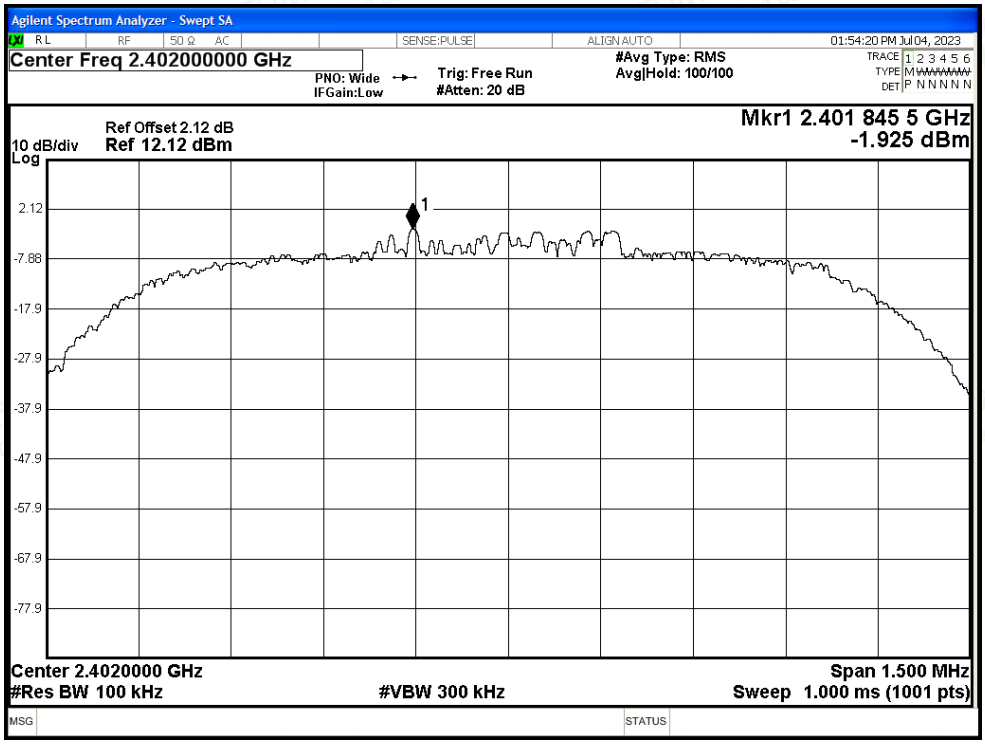


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

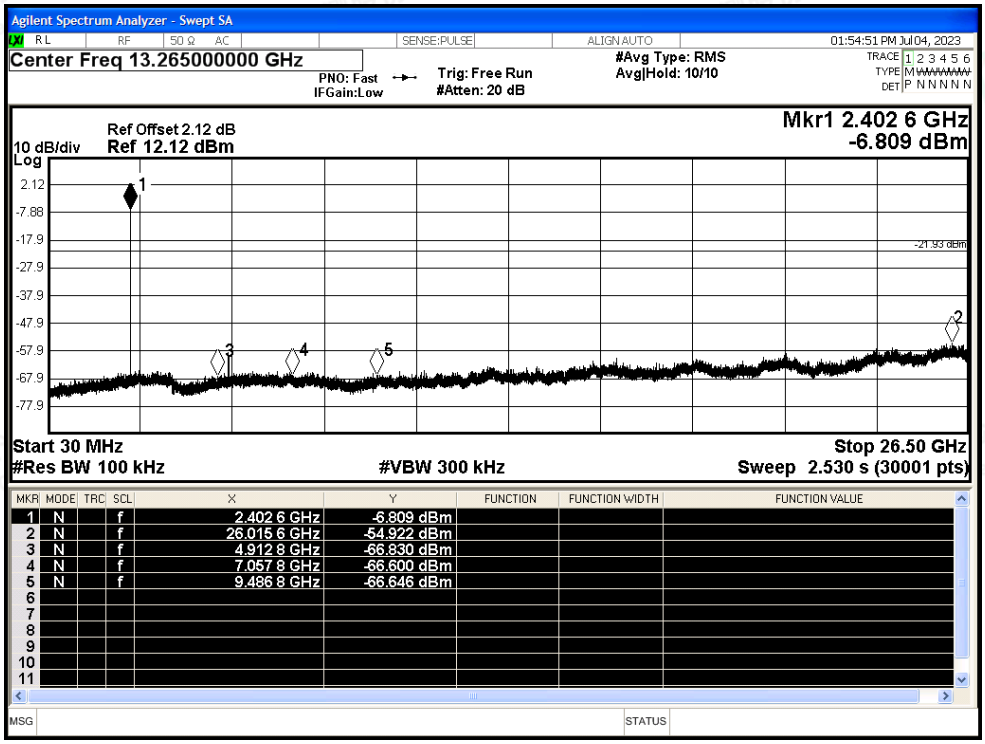


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.480 2 GHz	-0.987 dBm			
2	N		f	26.037 7 GHz	-55.790 dBm			
3	N		f	5.023 1 GHz	-66.474 dBm			
4	N		f	7.454 0 GHz	-65.863 dBm			
5	N		f	10.110 7 GHz	-66.103 dBm			
6								
7								
8								
9								
10								
11								

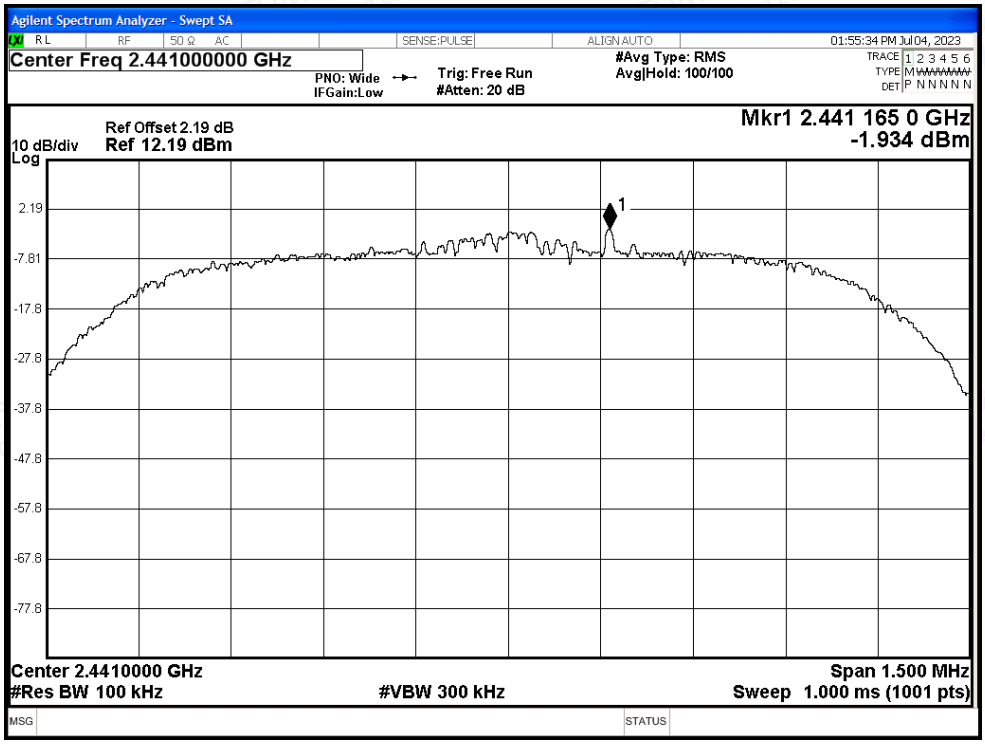
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



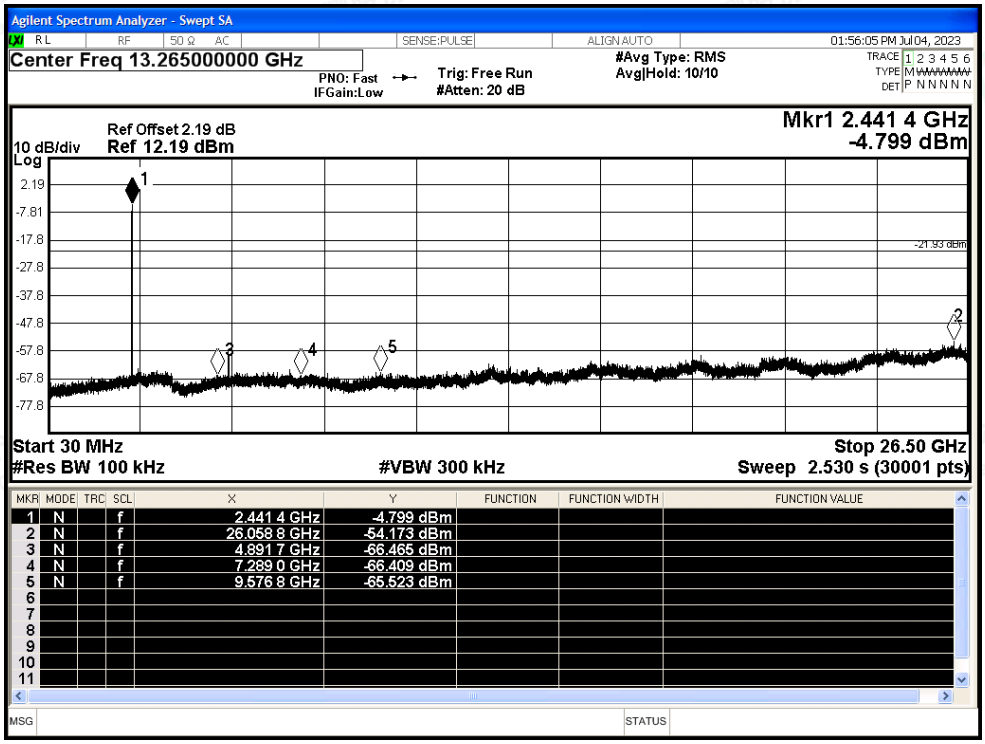
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



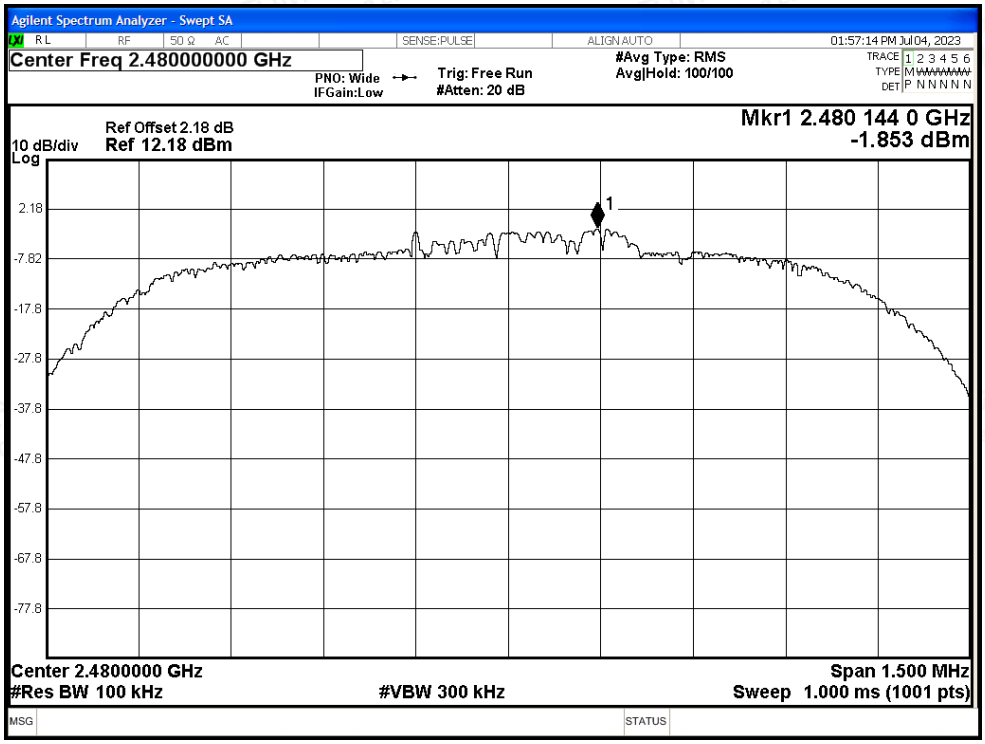
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



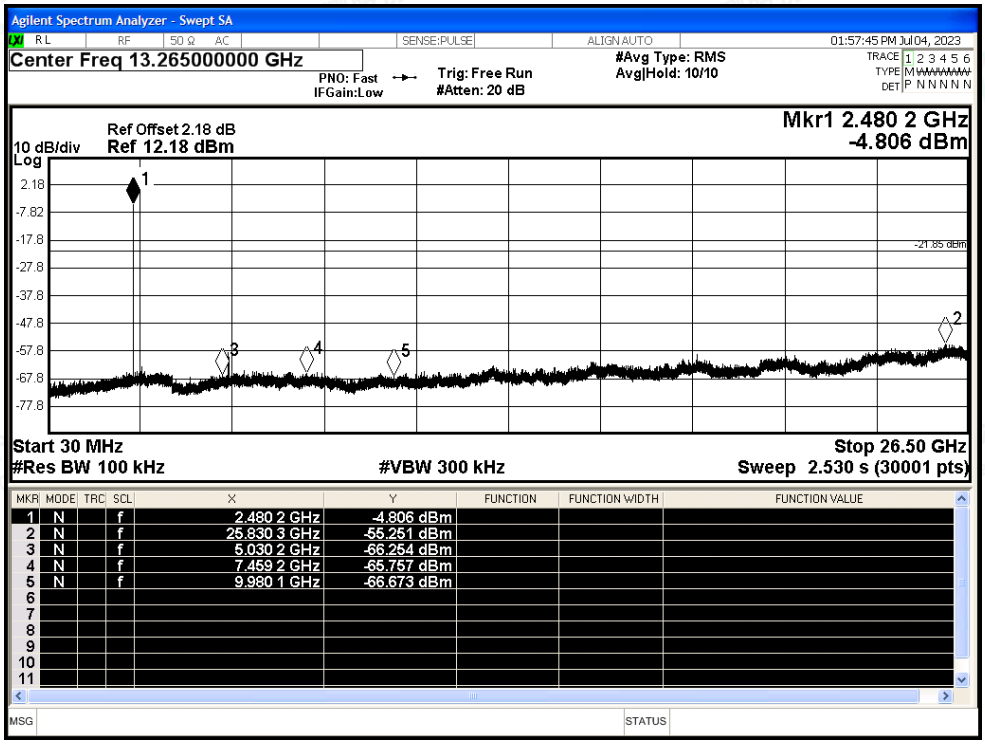
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



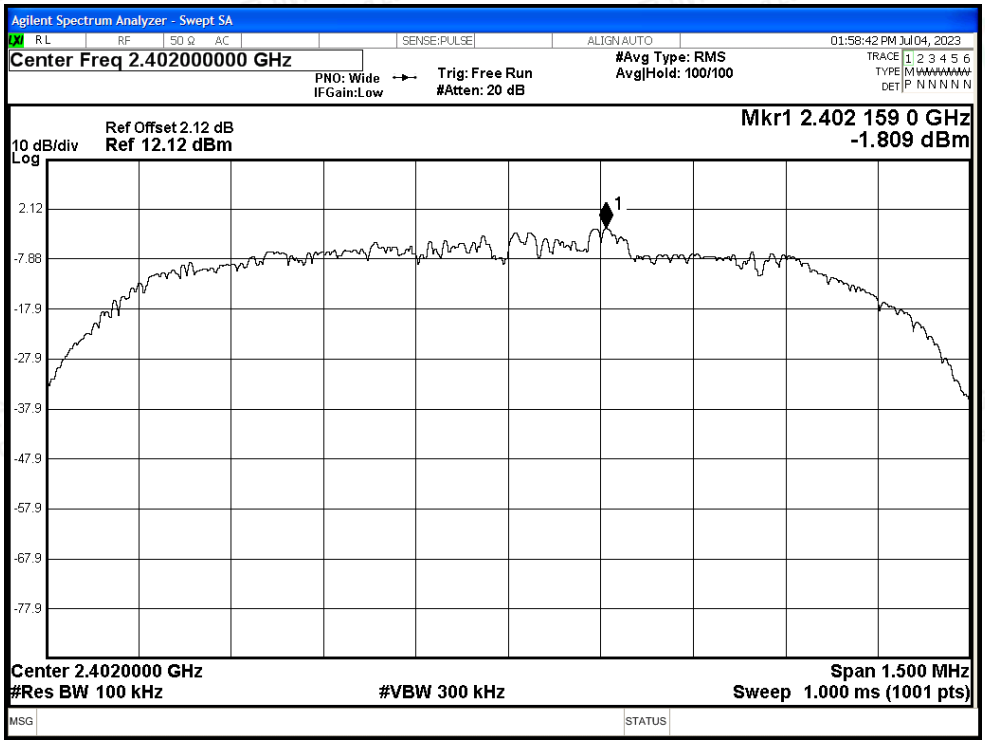
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



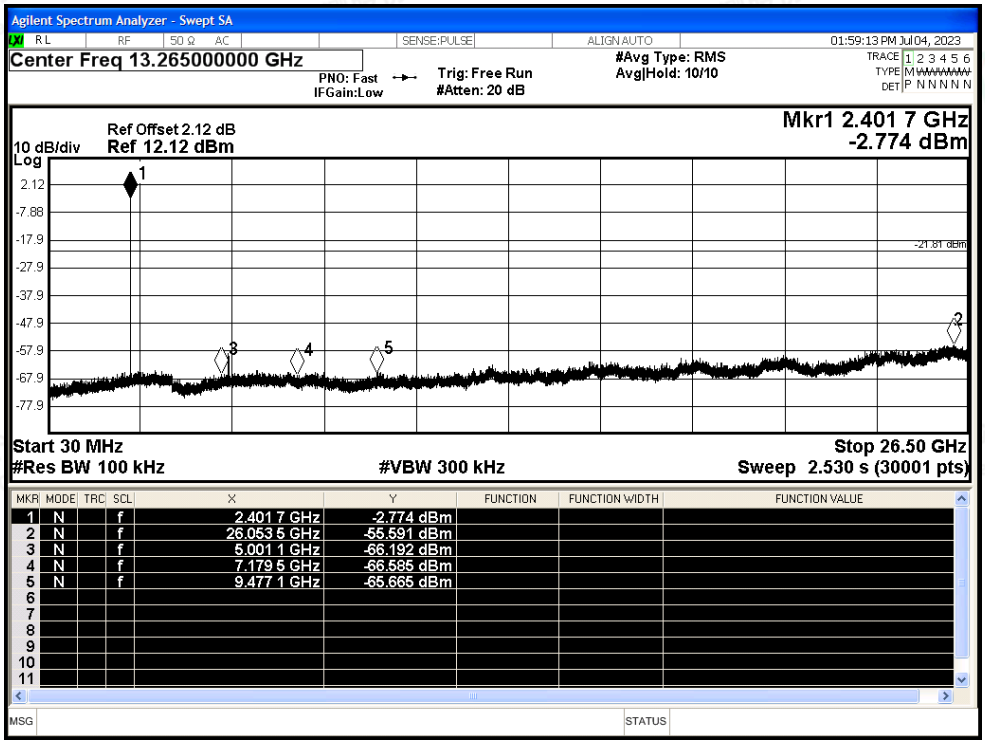
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



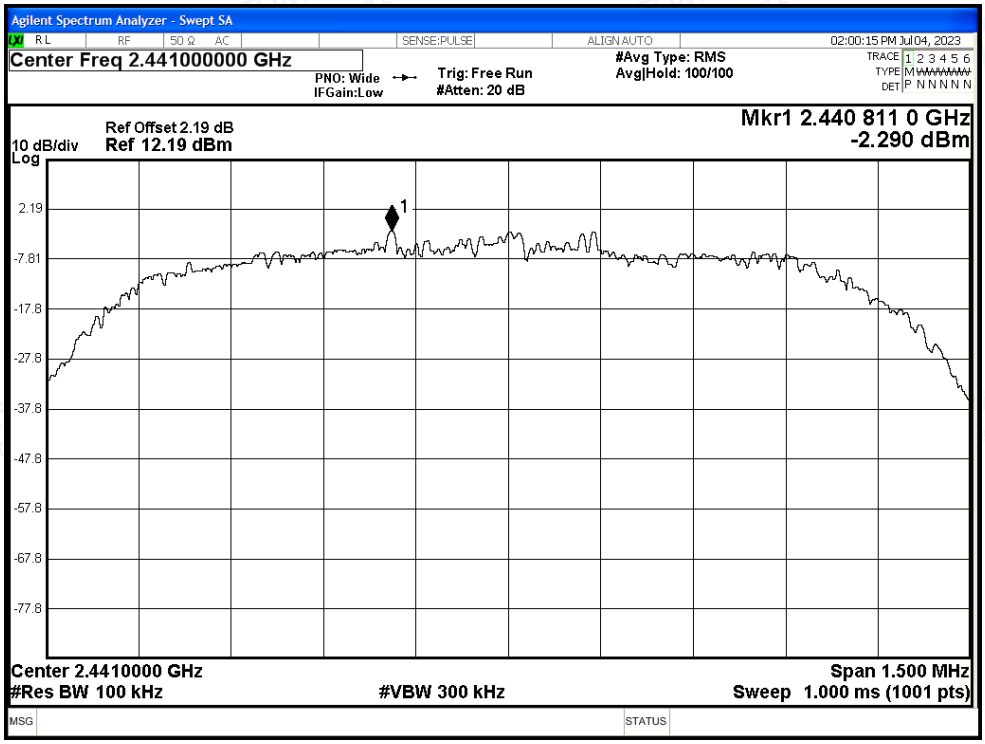
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



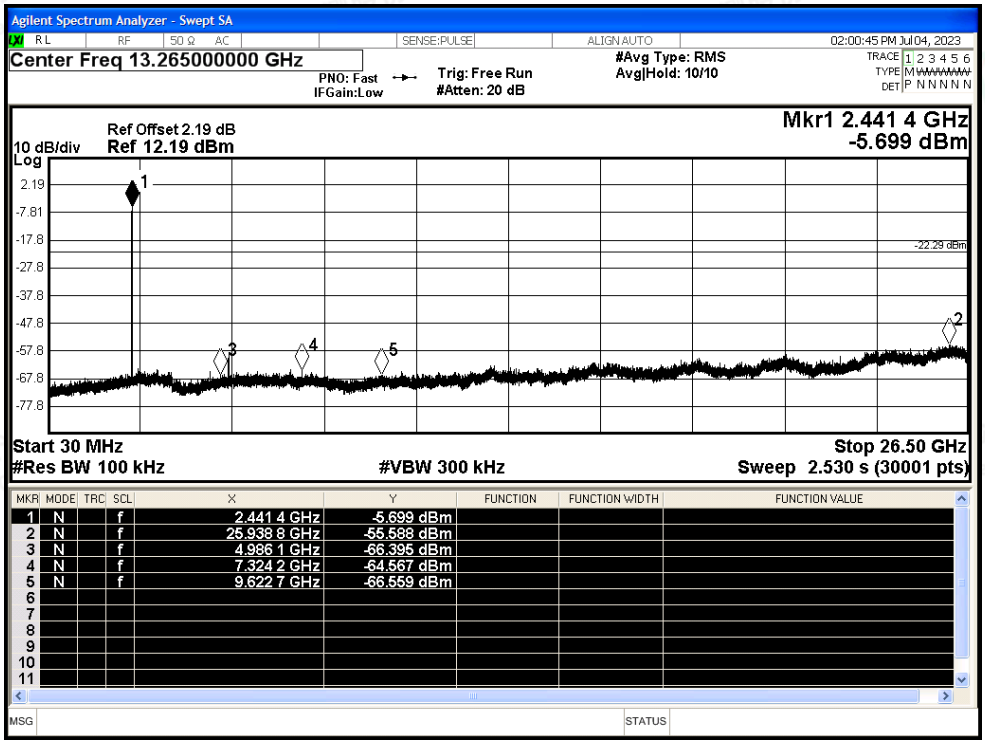
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



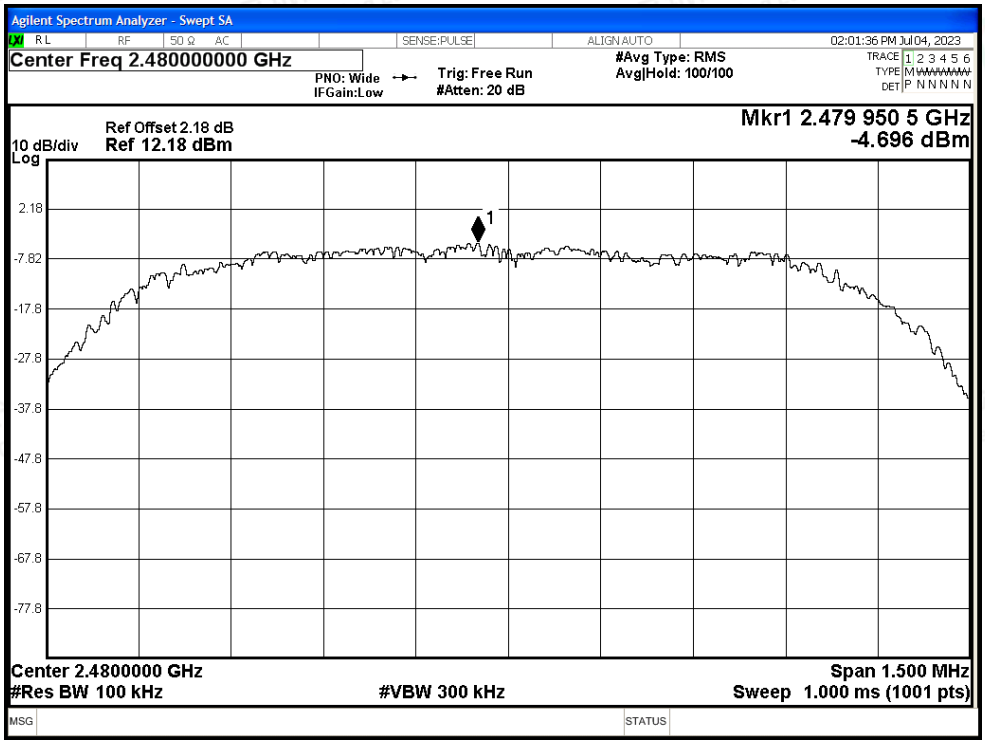
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



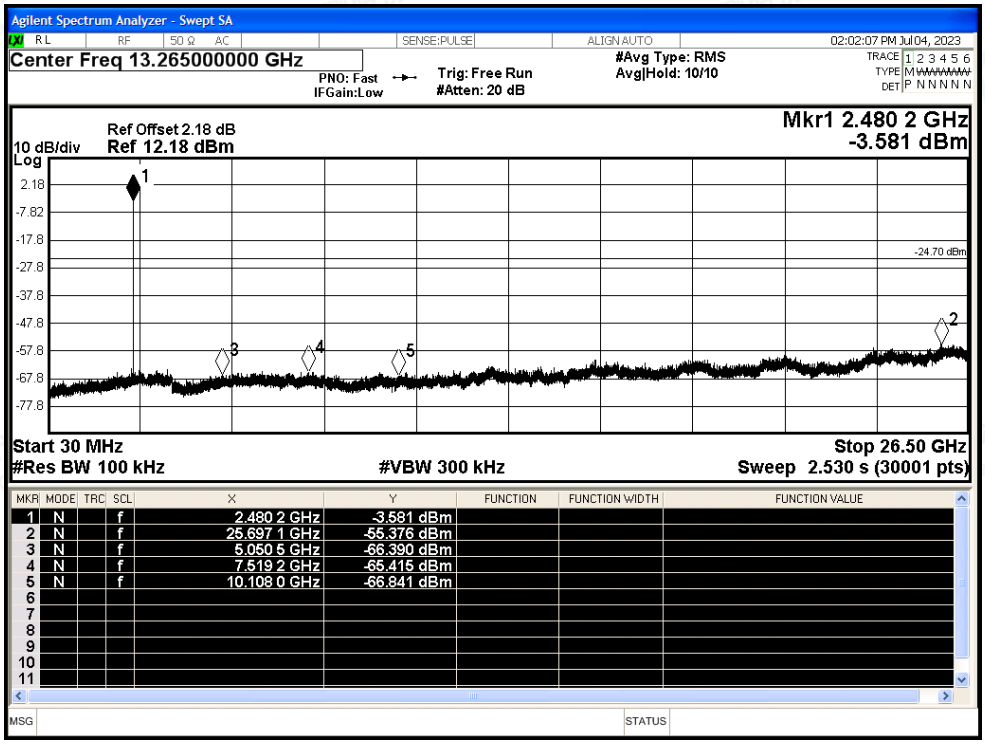
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

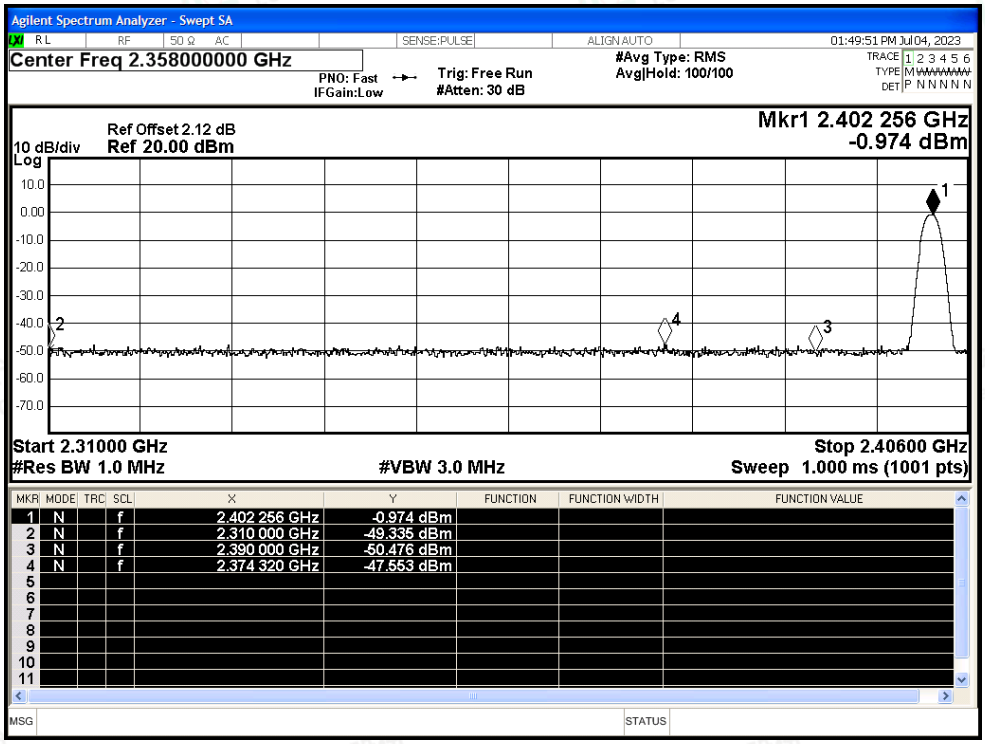


A.8 Restrict Band

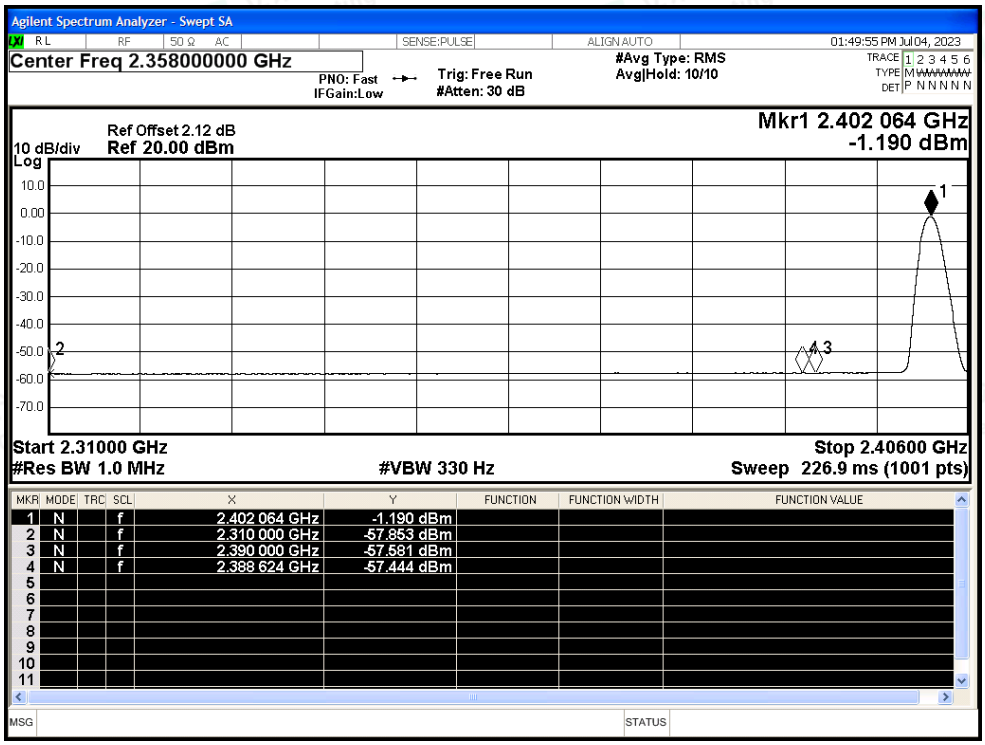
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.34	2	47.92	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.85	2	39.41	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2374.32	-47.55	2	49.71	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.624	-57.44	2	39.82	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.48	2	46.78	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.58	2	39.68	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.88	2	47.38	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-56.02	2	41.24	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2493.64	-46.74	2	50.52	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-56.02	2	41.24	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.6	2	47.66	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.39	2	39.87	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.44	2	45.82	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.92	2	39.34	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2334.864	-47.8	2	49.46	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2379.504	-57.44	2	39.82	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.09	2	46.17	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.58	2	39.68	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.15	2	48.11	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.74	2	41.52	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2499.76	-47.16	2	50.1	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.74	2	41.52	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-47.84	2	49.42	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.24	2	40.02	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.7	2	45.56	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.93	2	39.33	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2375.376	-46.73	2	50.53	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2386.512	-57.3	2	39.96	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-48.04	2	49.22	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.48	2	39.78	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.73	2	46.53	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-55.79	2	41.47	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2494.096	-47.02	2	50.24	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-55.79	2	41.47	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.23	2	47.03	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.28	2	39.98	Average	54	Pass

Test Graphs

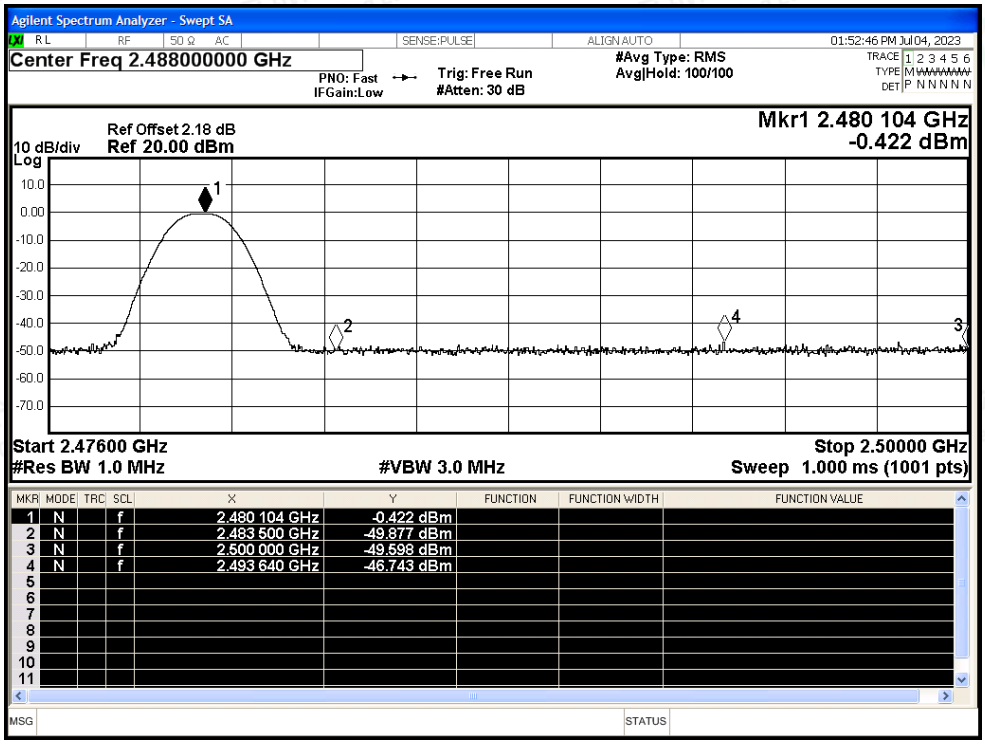
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



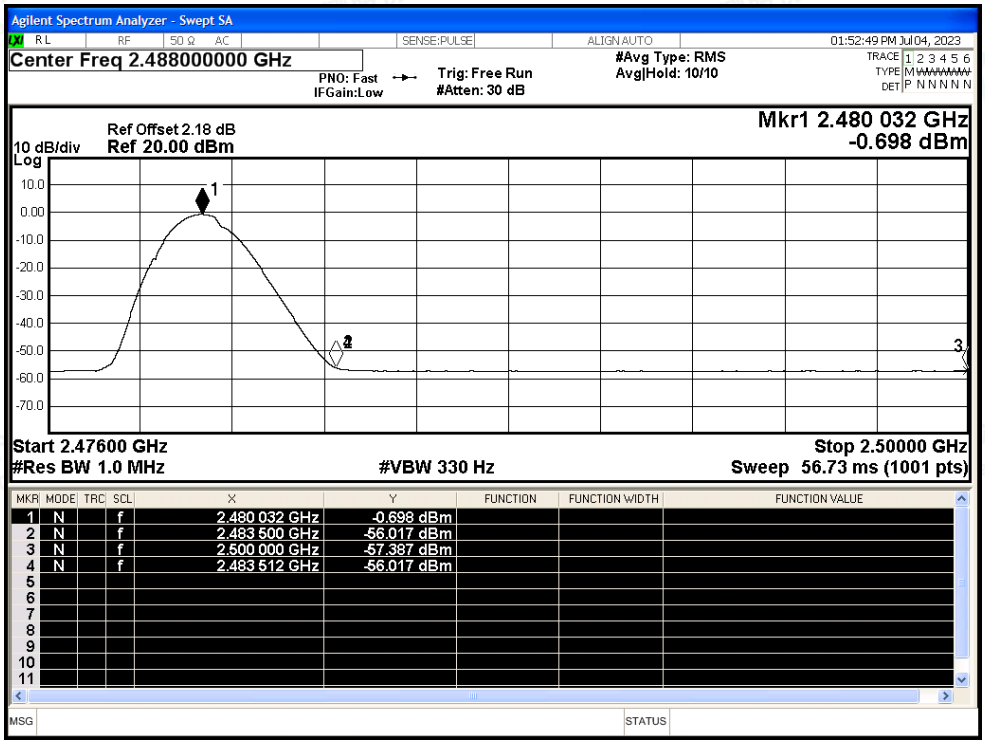
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



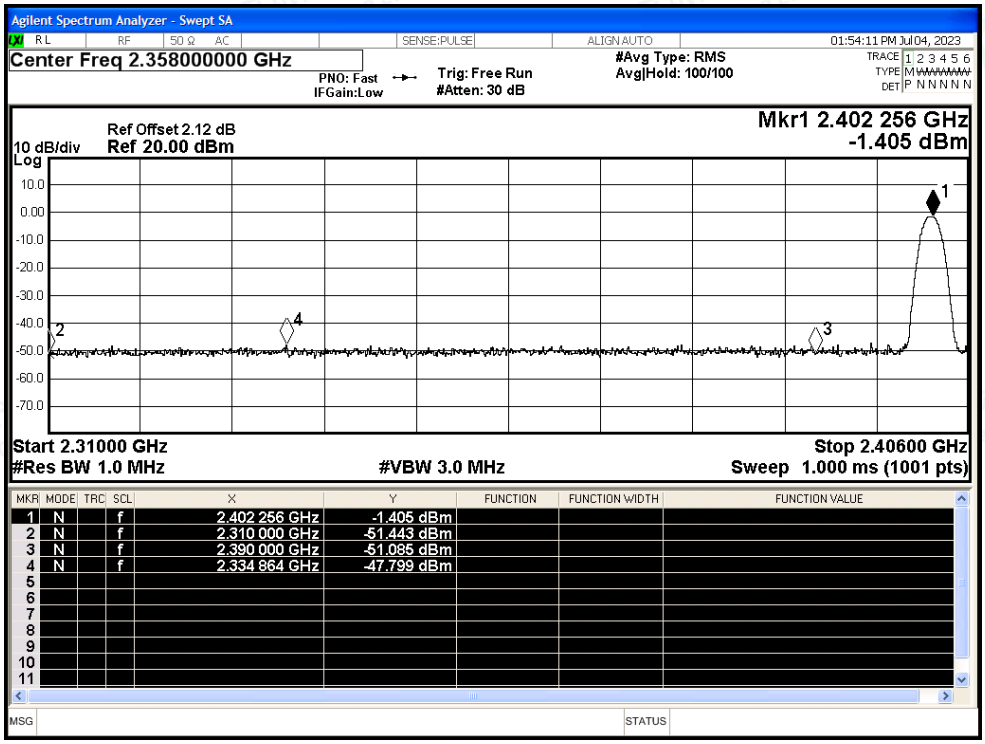
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



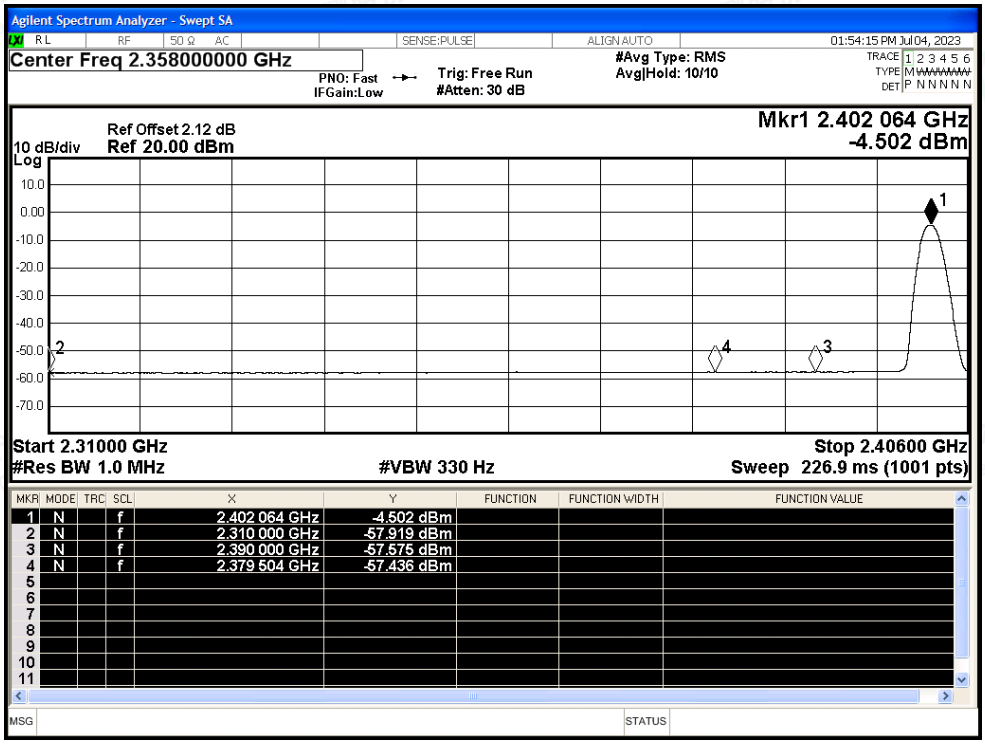
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



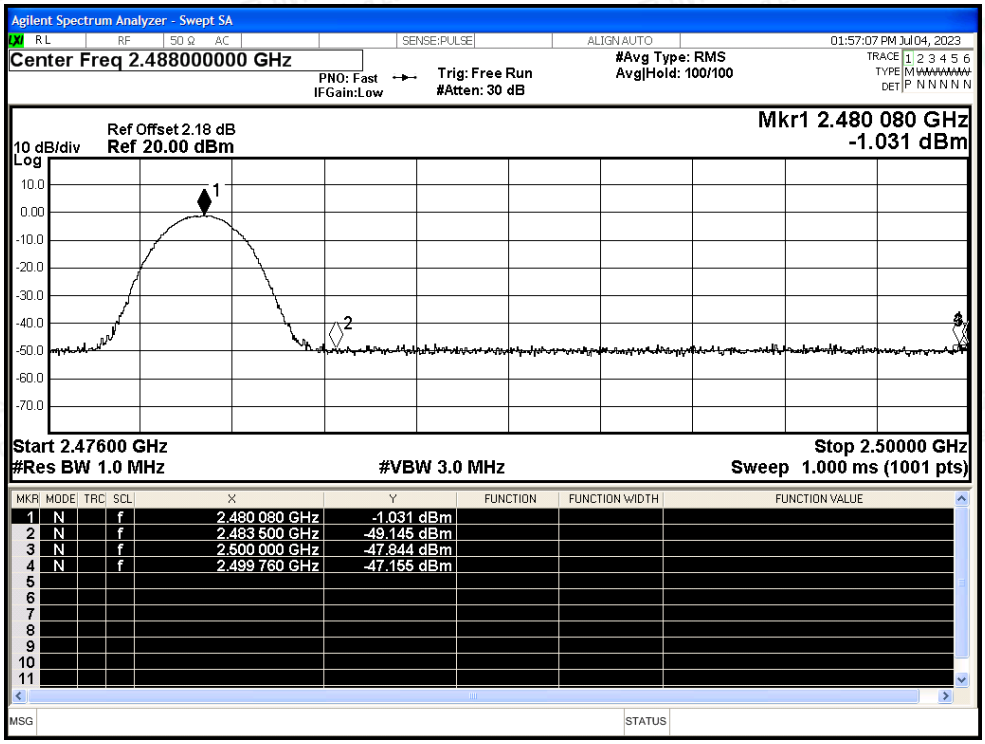
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



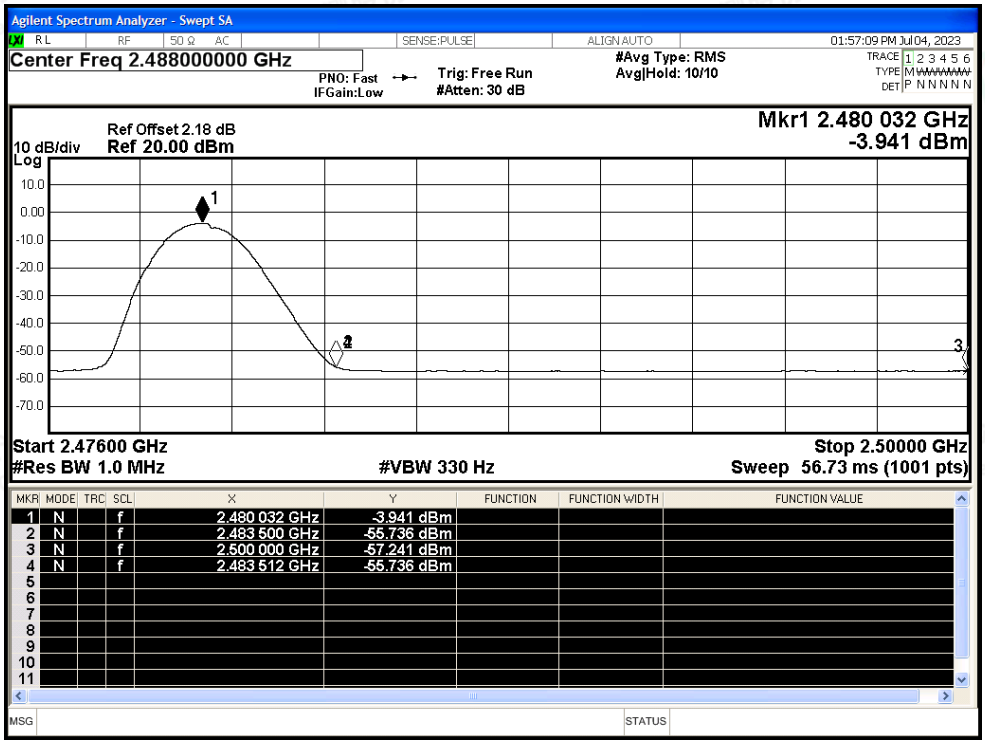
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



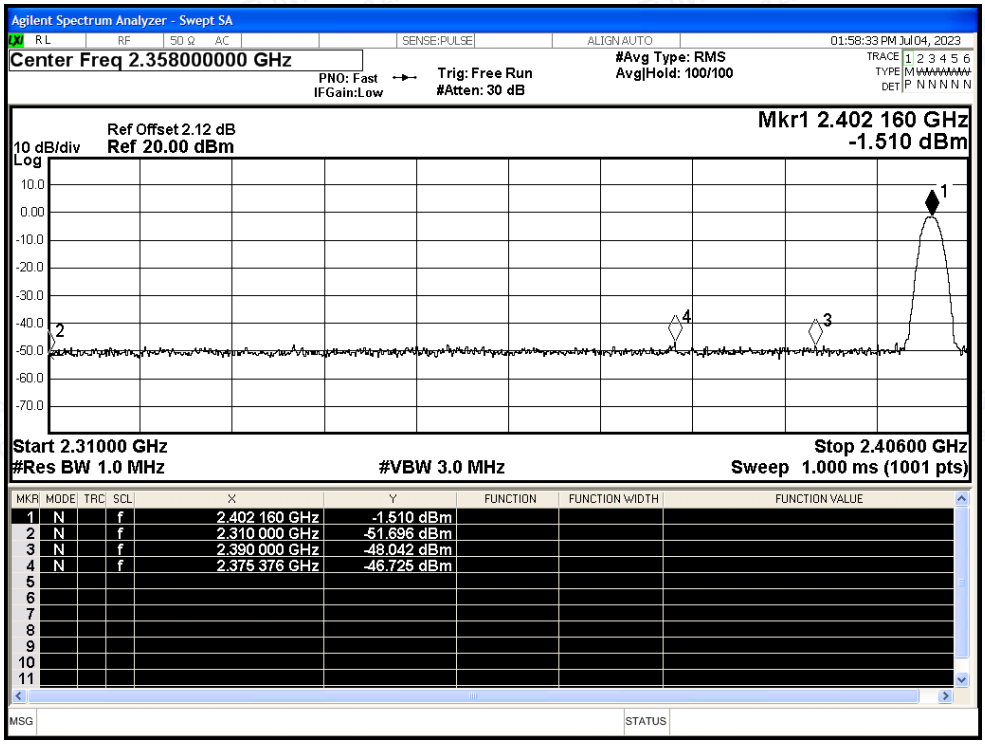
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



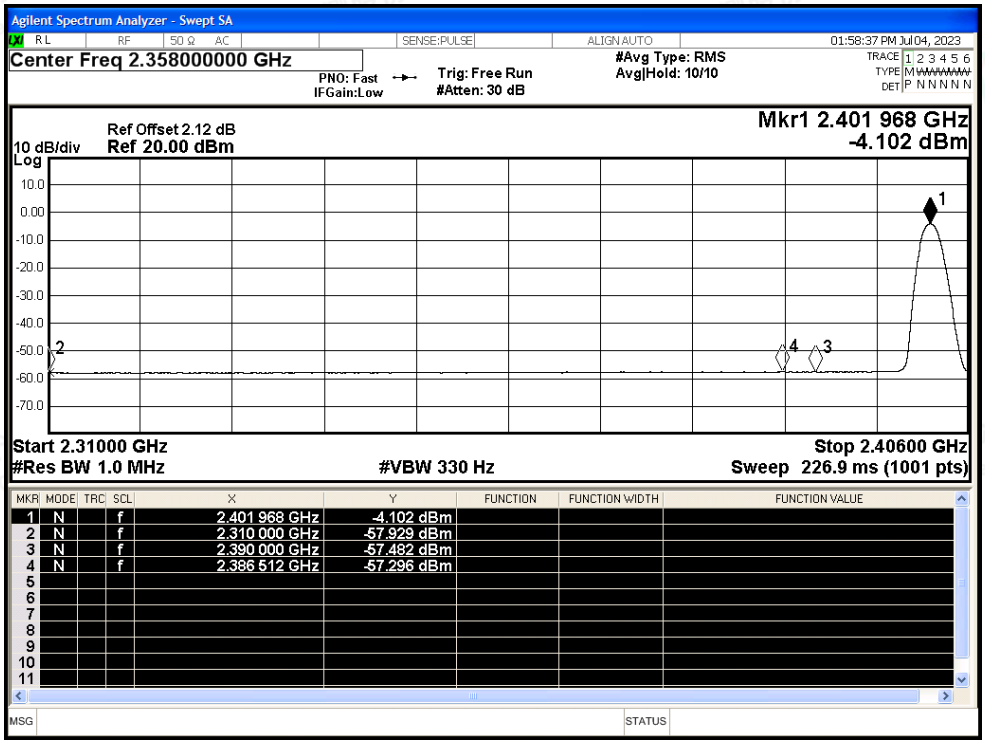
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



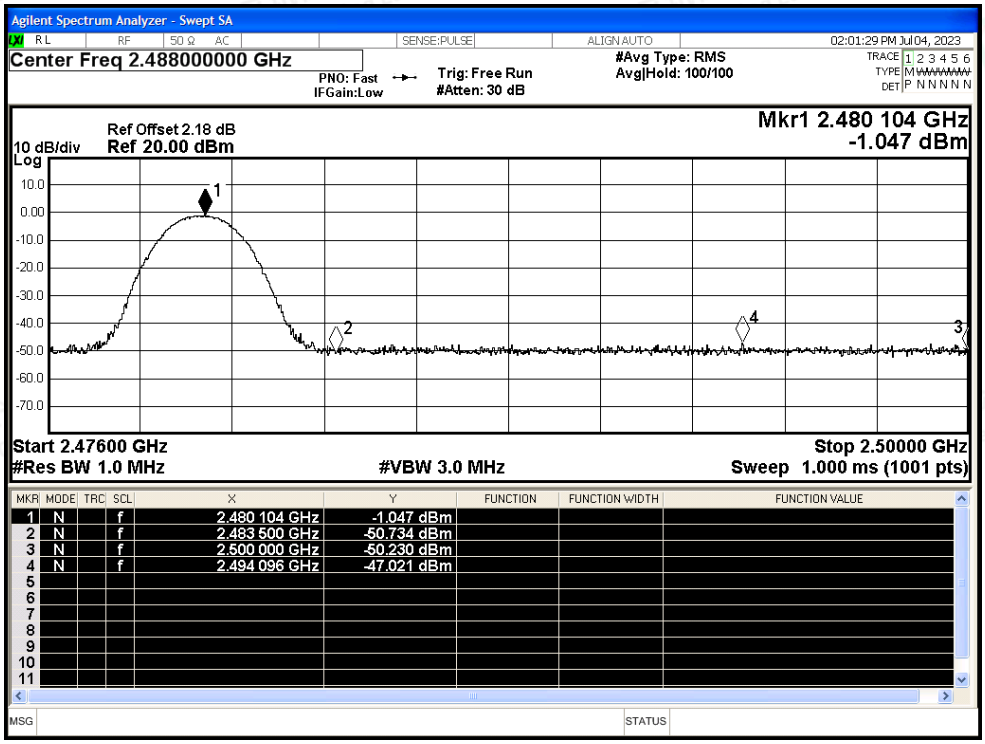
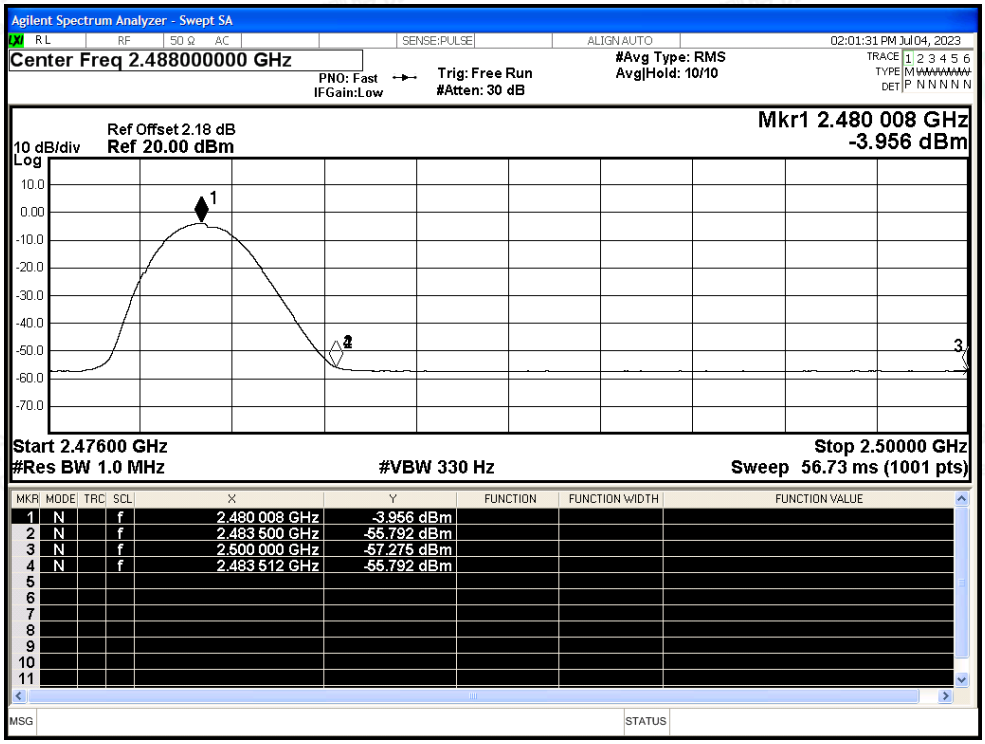
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average