



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless BT Streaming Home Theater Receiver

Test Model: PT796BT

Environmental Conditions

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



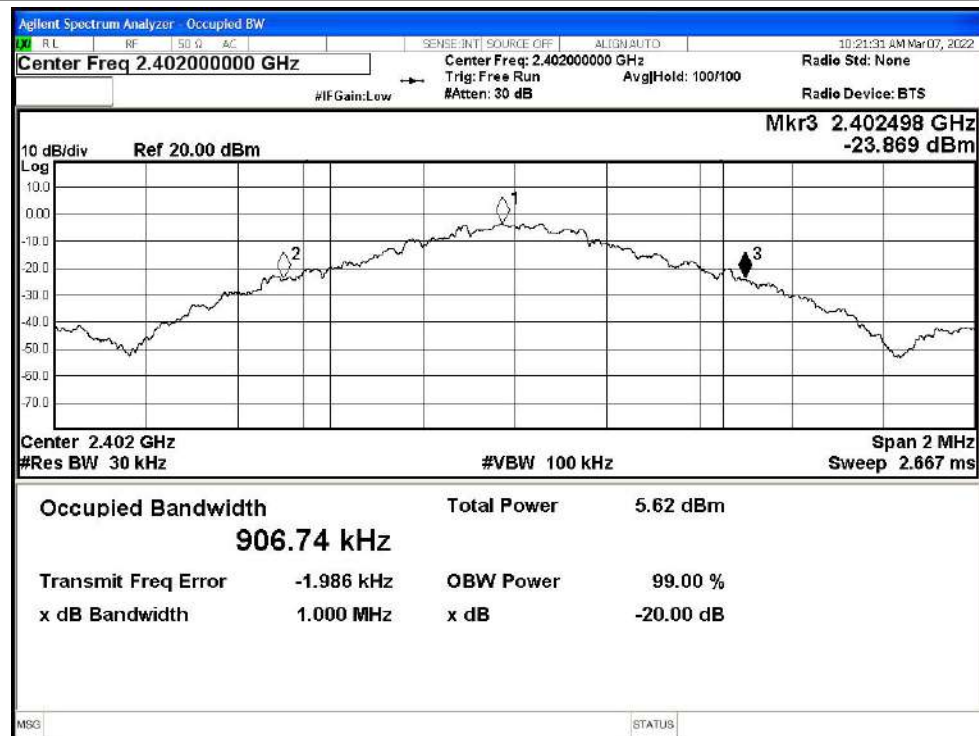
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1	---	Pass
NVNT	1-DH5	2441	Ant1	1.025	---	Pass
NVNT	1-DH5	2480	Ant1	1.031	---	Pass
NVNT	2-DH5	2402	Ant1	1.279	---	Pass
NVNT	2-DH5	2441	Ant1	1.284	---	Pass
NVNT	2-DH5	2480	Ant1	1.288	---	Pass
NVNT	3-DH5	2402	Ant1	1.299	---	Pass
NVNT	3-DH5	2441	Ant1	1.294	---	Pass
NVNT	3-DH5	2480	Ant1	1.291	---	Pass



Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

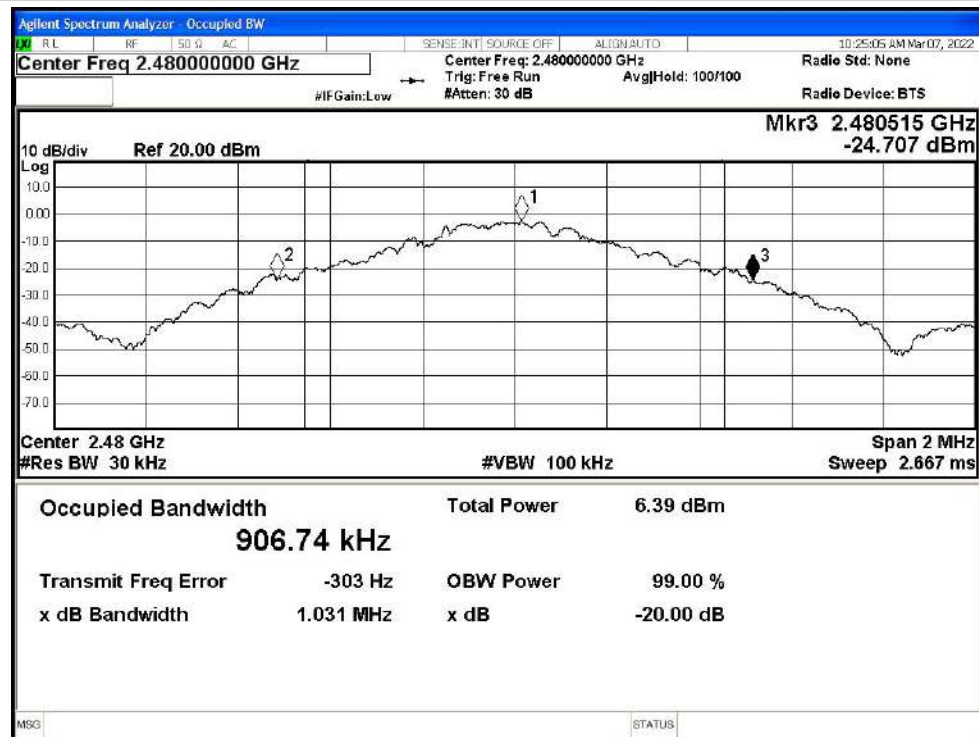


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

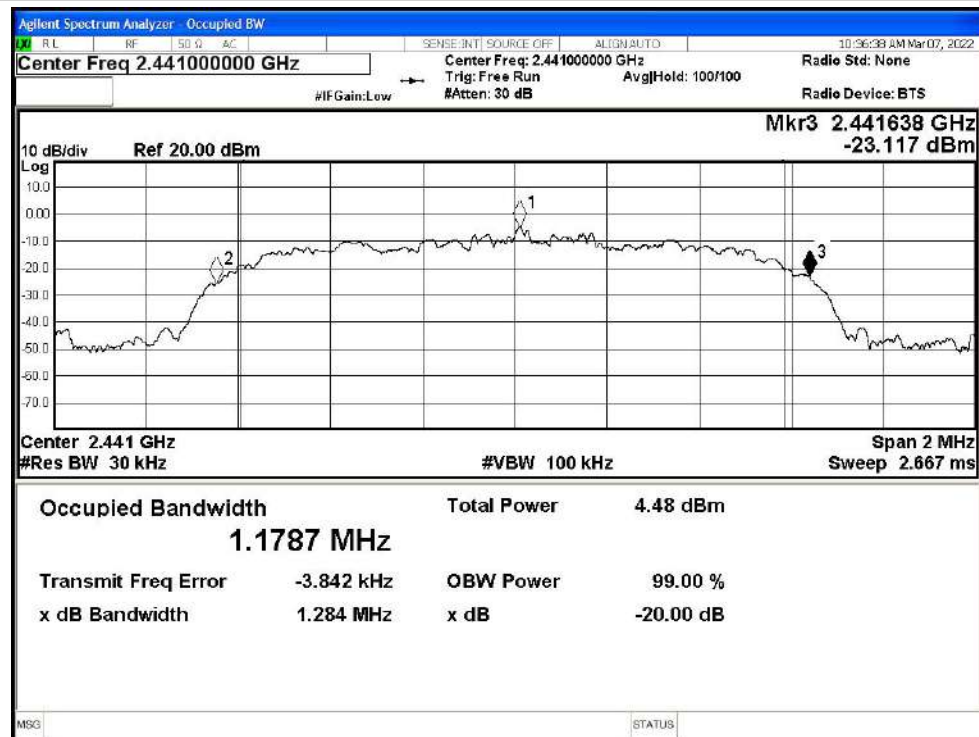


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

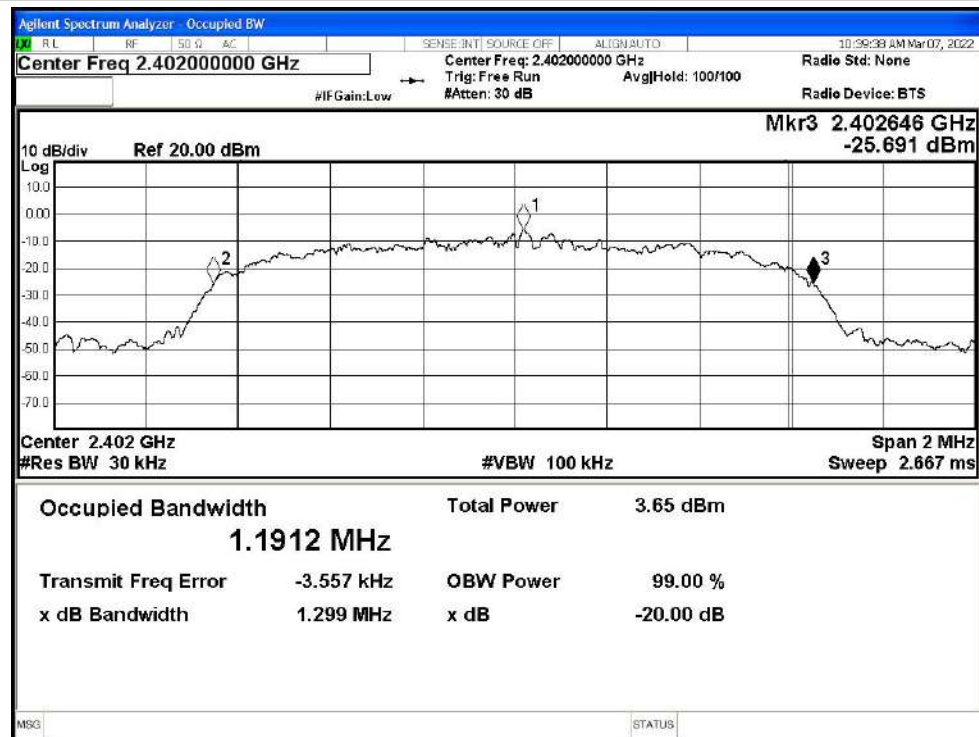


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

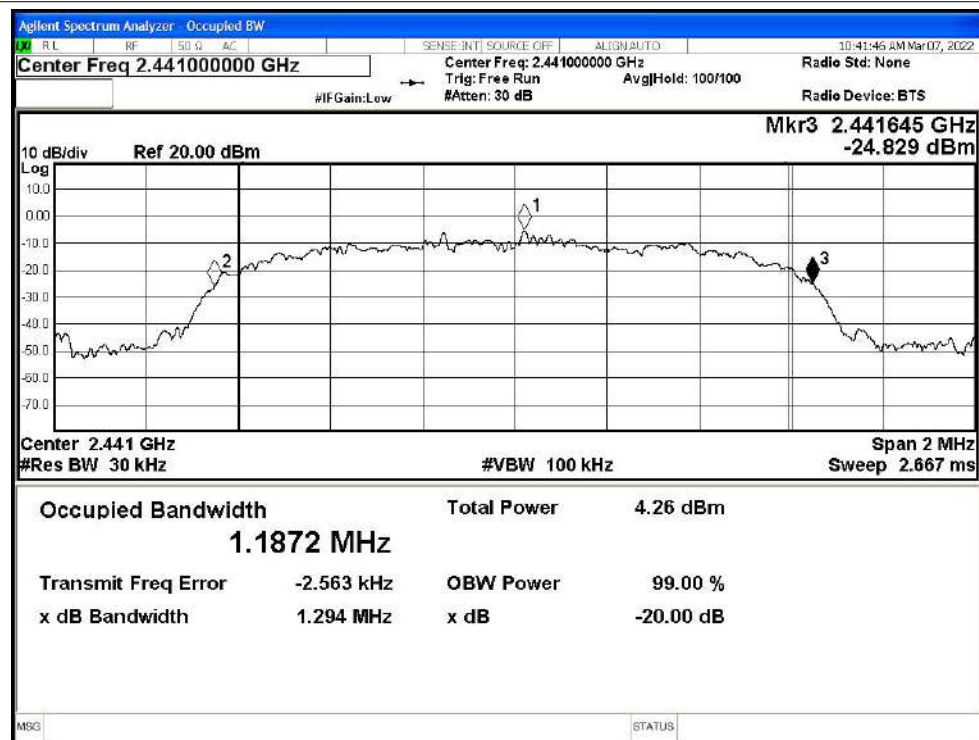




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

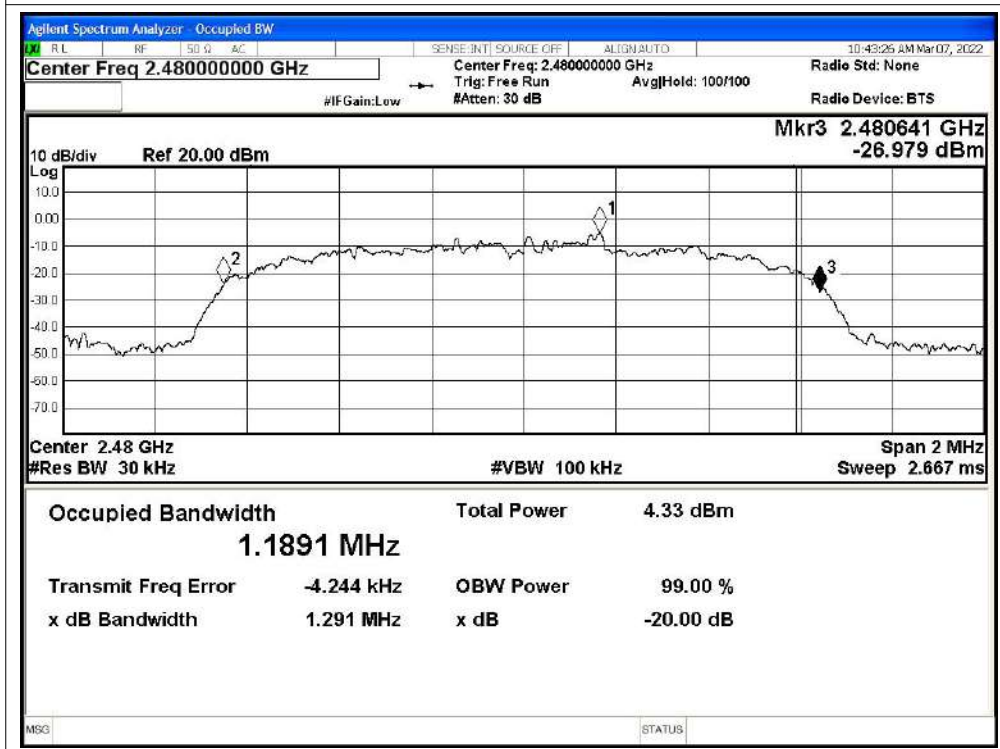


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





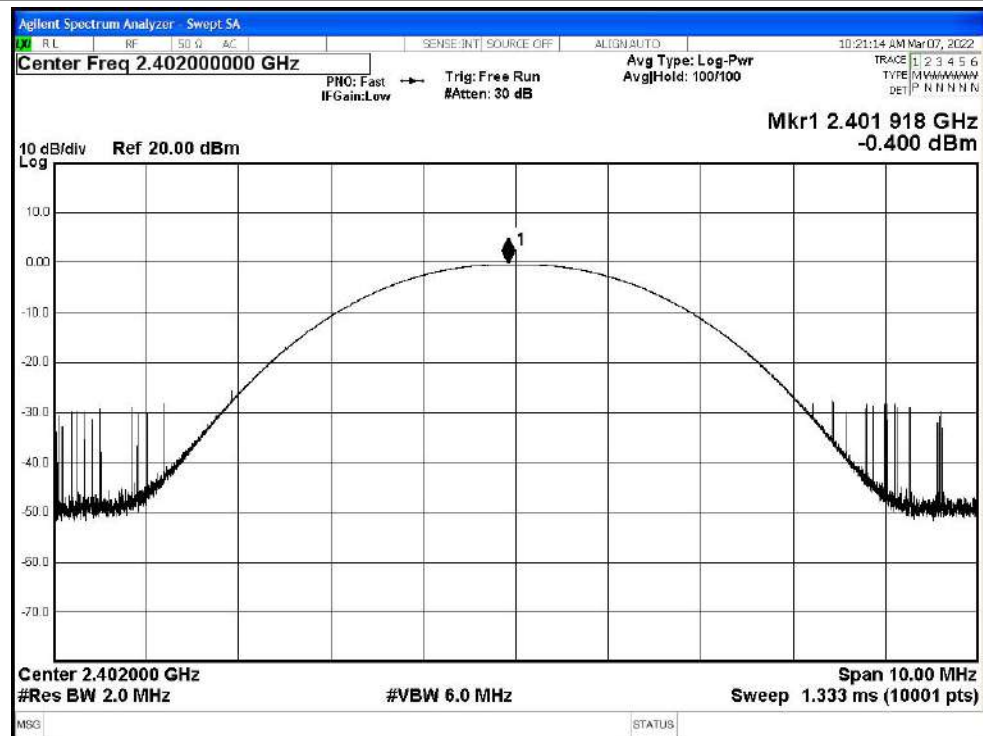
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.4	≤20.97	Pass
NVNT	1-DH5	2441	Ant1	0.31	≤20.97	Pass
NVNT	1-DH5	2480	Ant1	0.2	≤20.97	Pass
NVNT	2-DH5	2402	Ant1	-0.65	≤20.97	Pass
NVNT	2-DH5	2441	Ant1	0.1	≤20.97	Pass
NVNT	2-DH5	2480	Ant1	-0.04	≤20.97	Pass
NVNT	3-DH5	2402	Ant1	-0.57	≤20.97	Pass
NVNT	3-DH5	2441	Ant1	0.2	≤20.97	Pass
NVNT	3-DH5	2480	Ant1	0.07	≤20.97	Pass

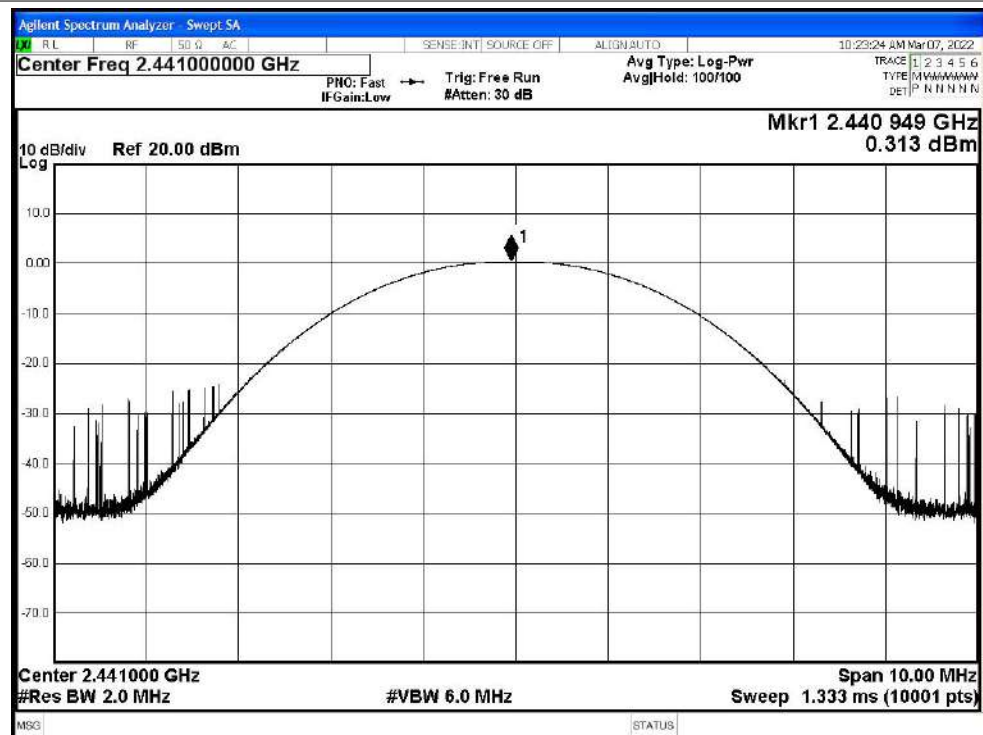


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

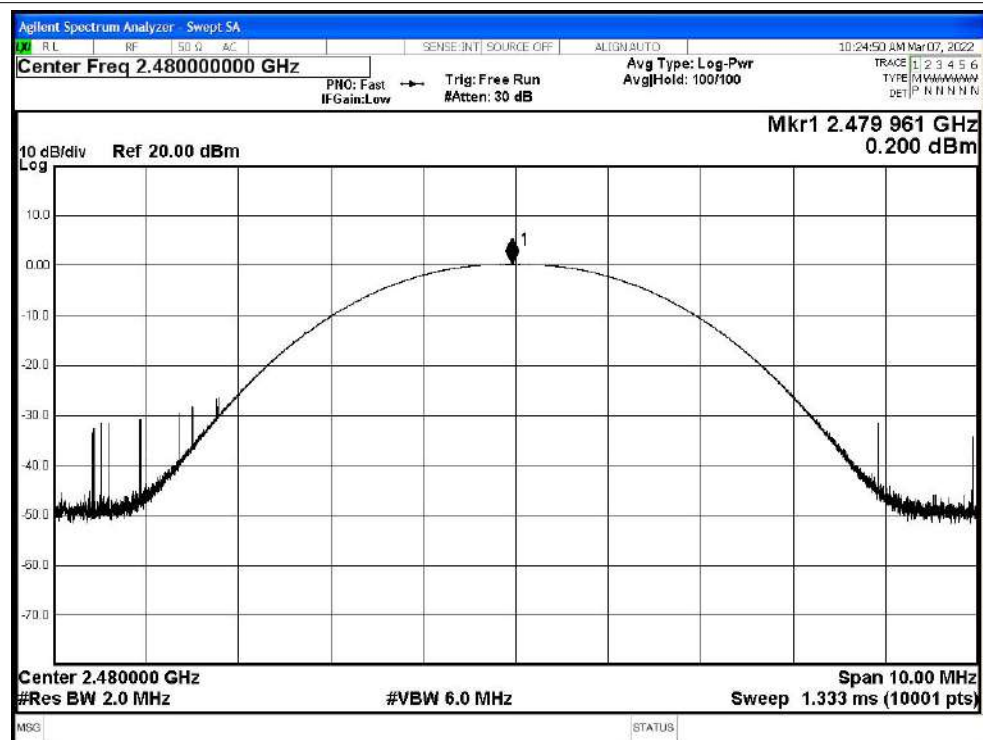


Power NVNT 1-DH5 2441MHz Ant1

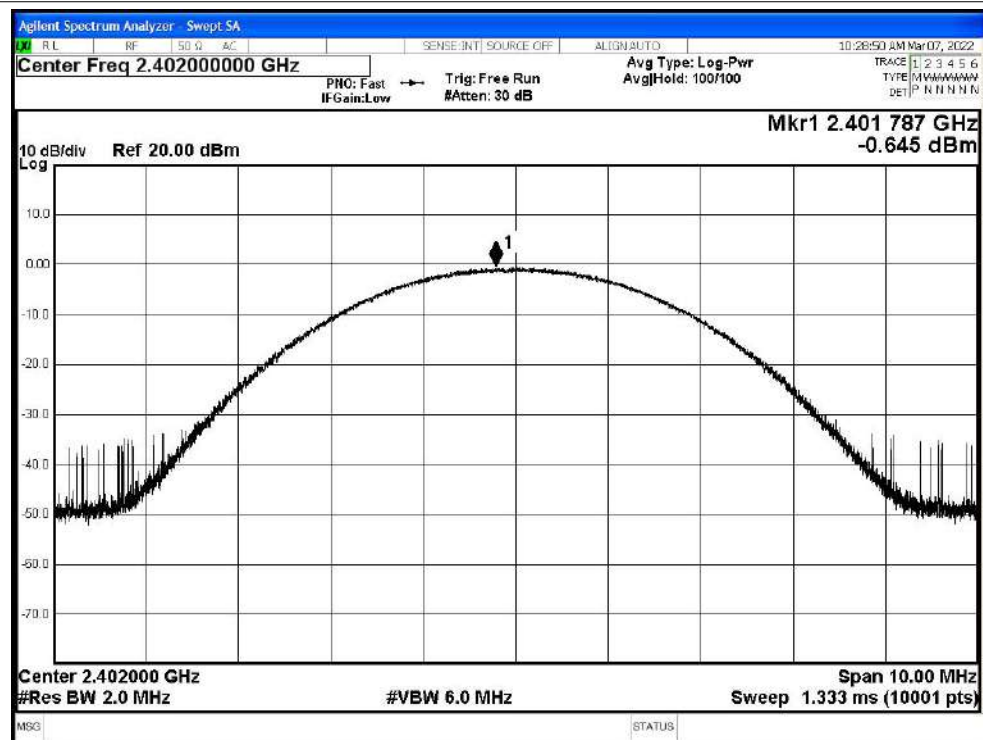




Power NVNT 1-DH5 2480MHz Ant1

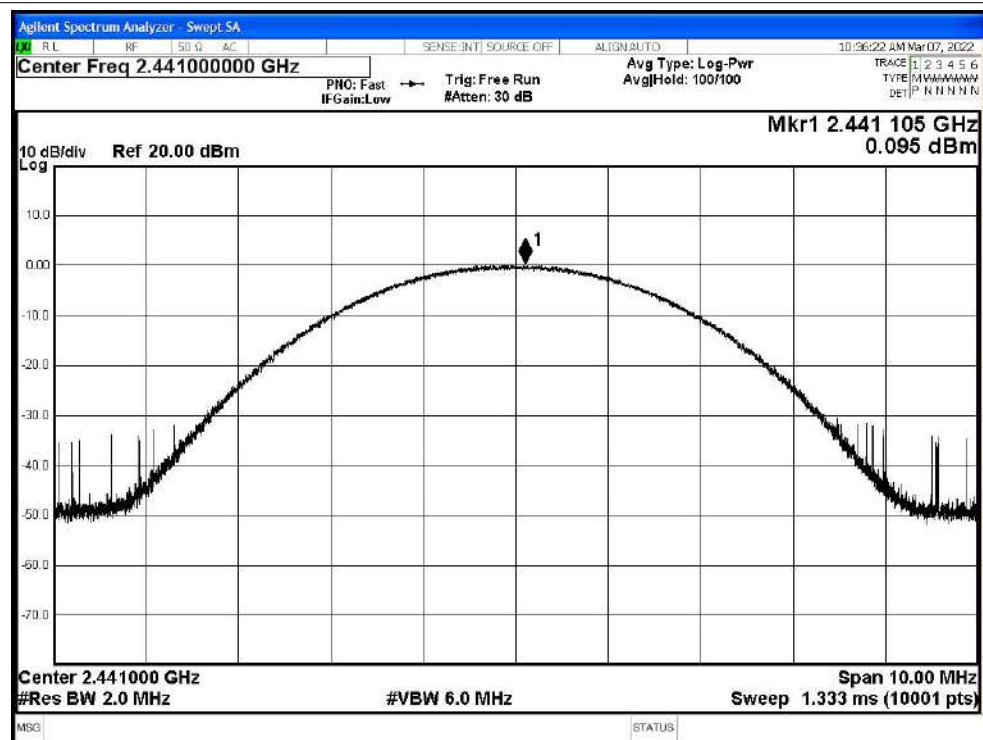


Power NVNT 2-DH5 2402MHz Ant1

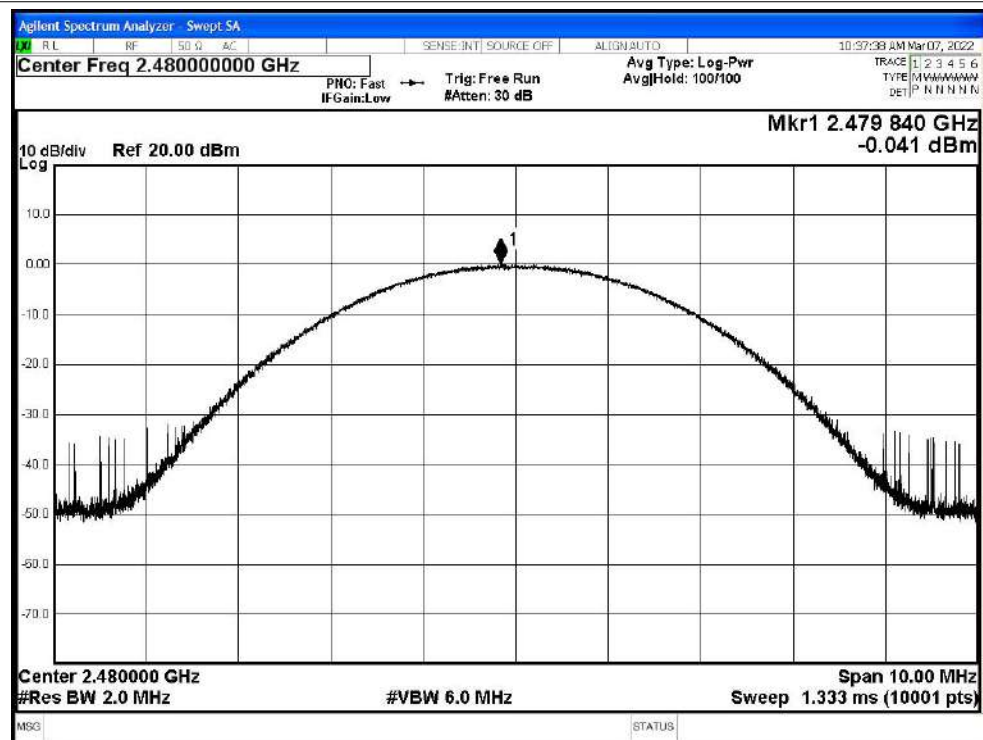




Power NVNT 2-DH5 2441MHz Ant1

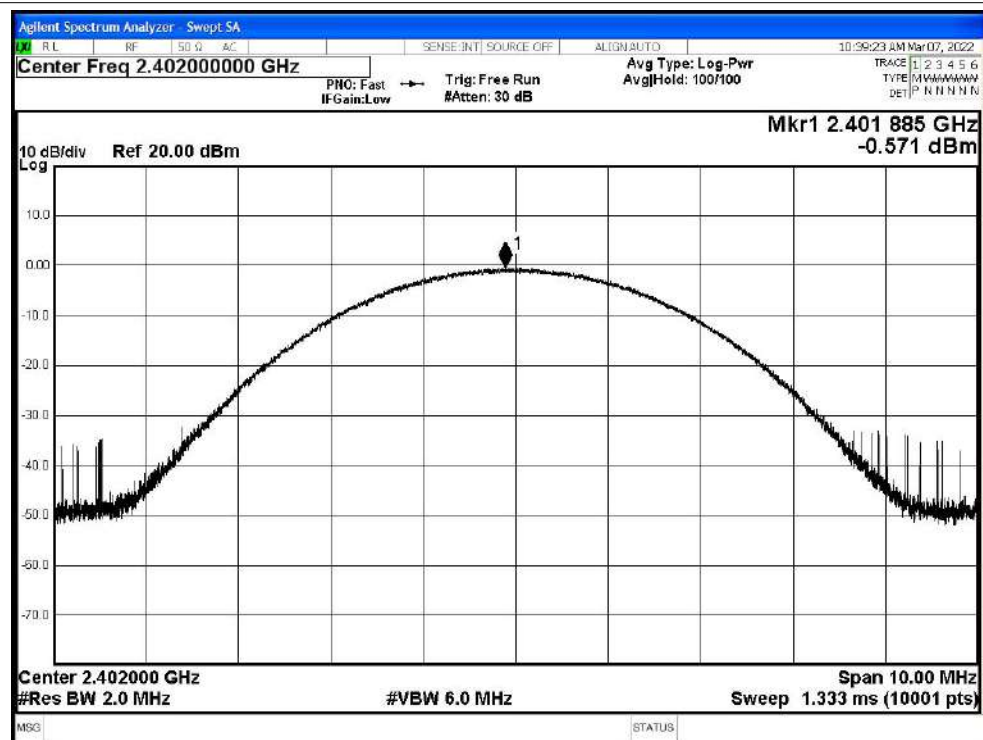


Power NVNT 2-DH5 2480MHz Ant1

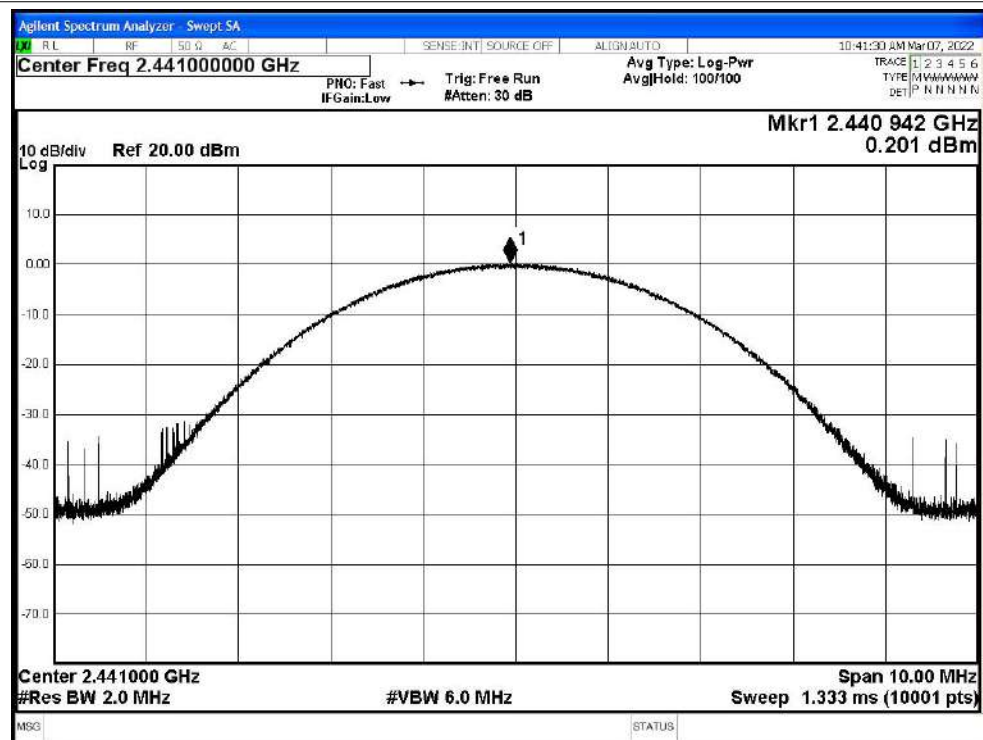


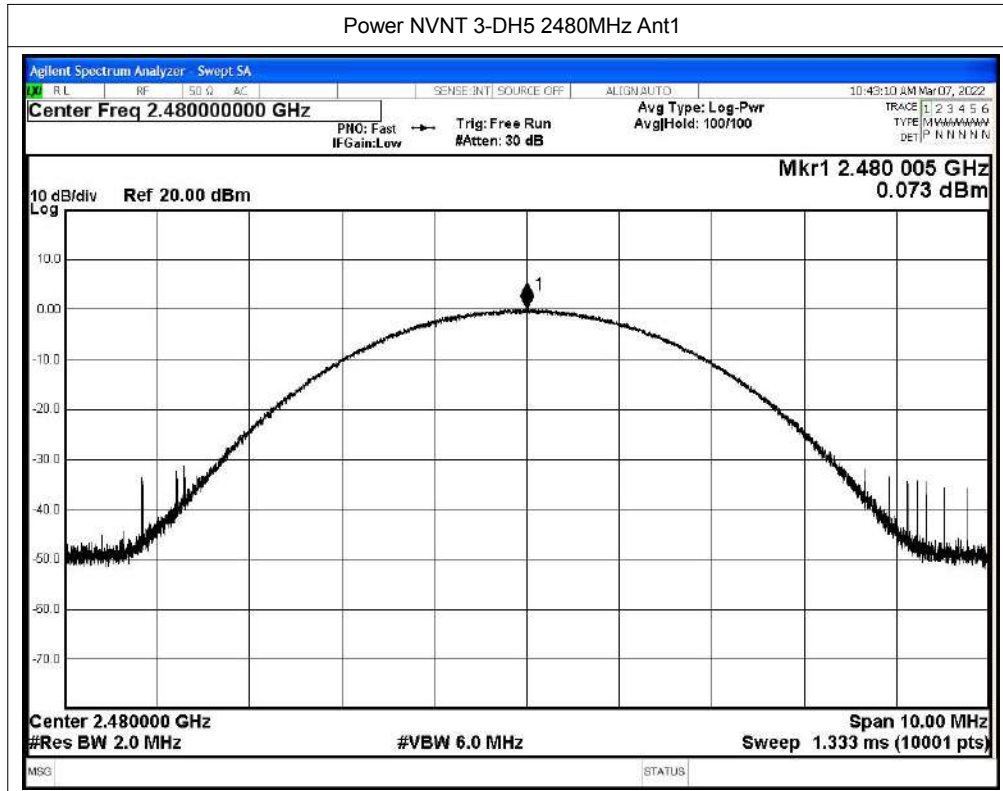


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







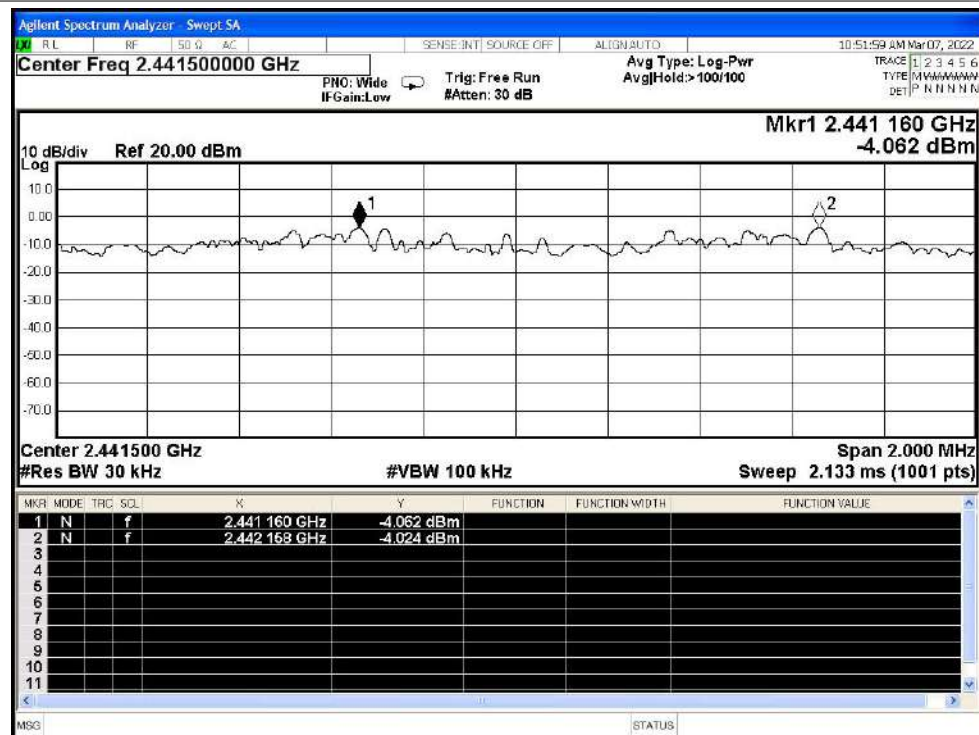
A.3 Carrier Frequencies Separation

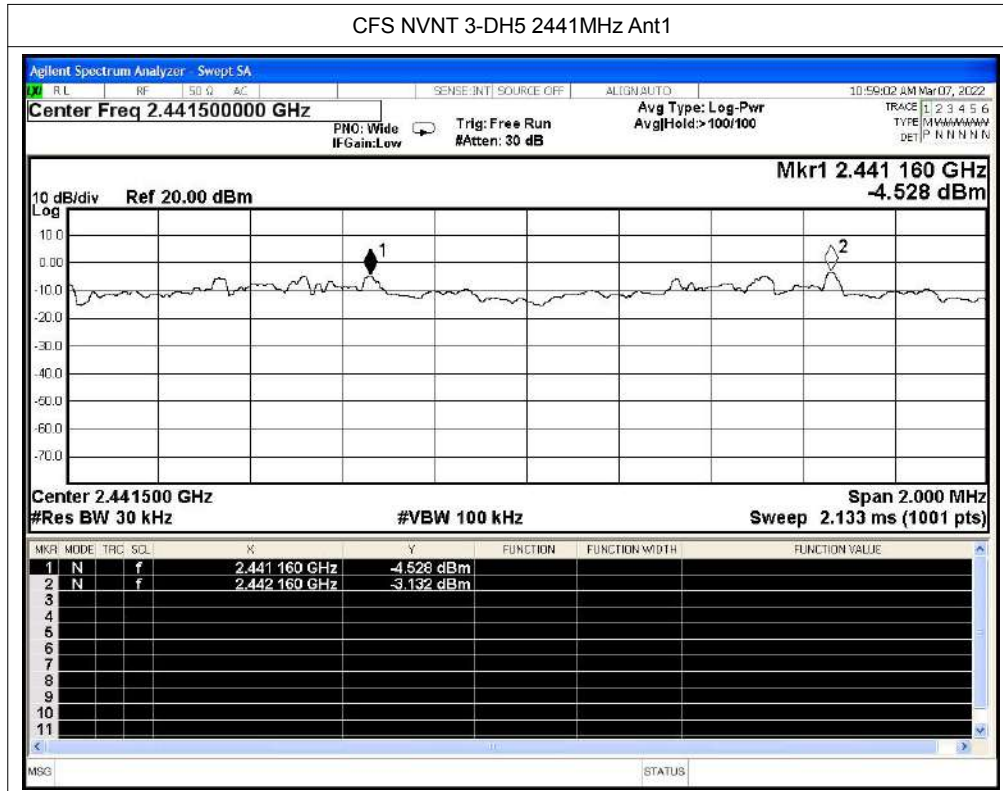
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2440.968	2441.964	0.996	≥ 0.683	Pass
NVNT	2-DH5	Ant1	2441.16	2442.158	0.998	≥ 0.856	Pass
NVNT	3-DH5	Ant1	2441.16	2442.16	1	≥ 0.863	Pass

CFS NVNT 1-DH5 2441MHz Ant1



CFS NVNT 2-DH5 2441MHz Ant1







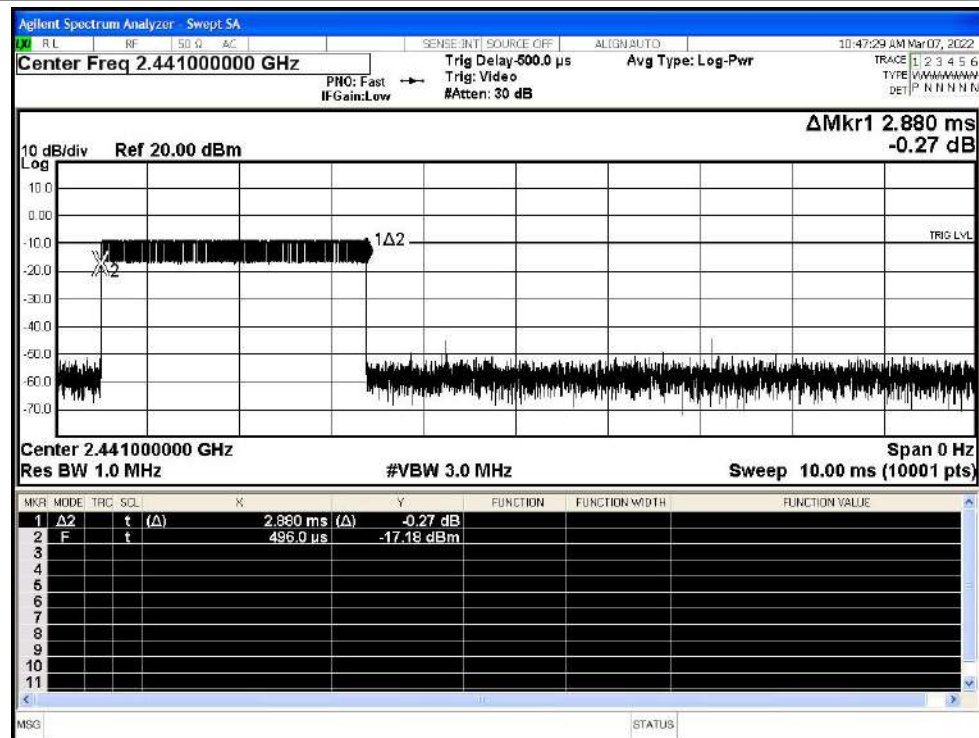
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2441	Ant1	2.88	308.0	106.67	31600	≤400	Pass
NVNT	2-DH5	2441	Ant1	2.885	308.0	106.67	31600	≤400	Pass
NVNT	3-DH5	2441	Ant1	2.886	308.0	106.67	31600	≤400	Pass

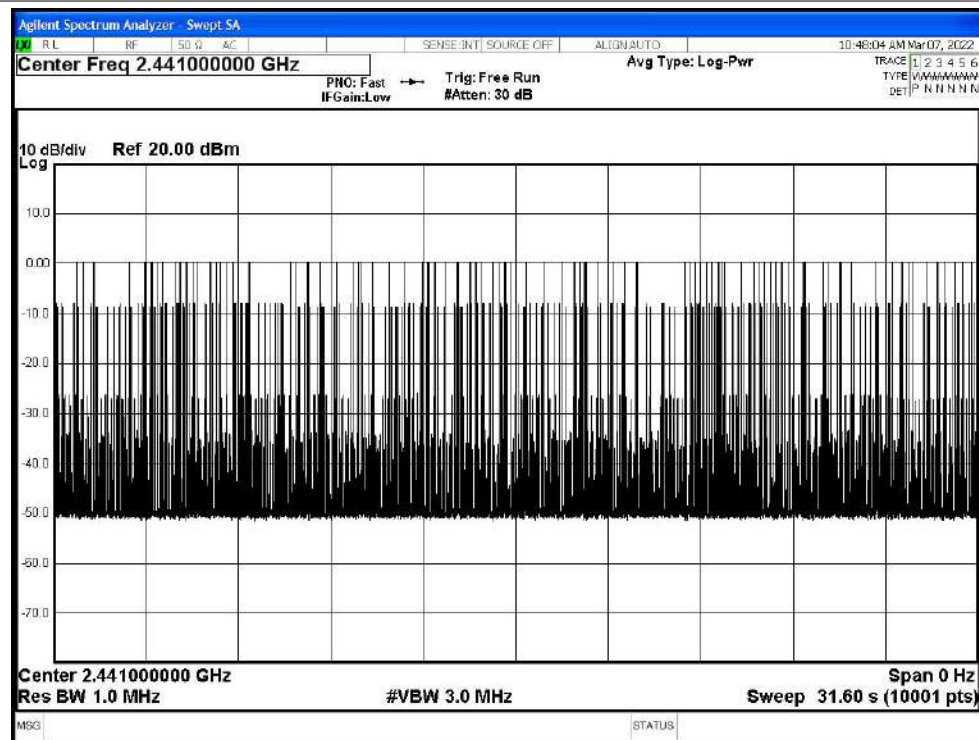


Test Graphs

Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

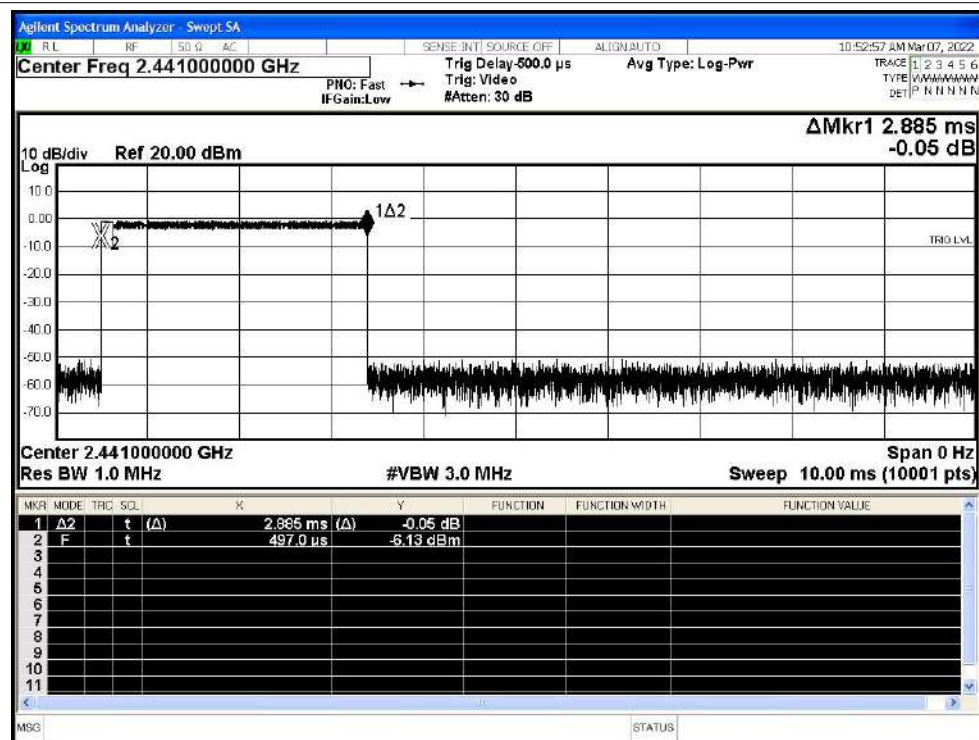


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

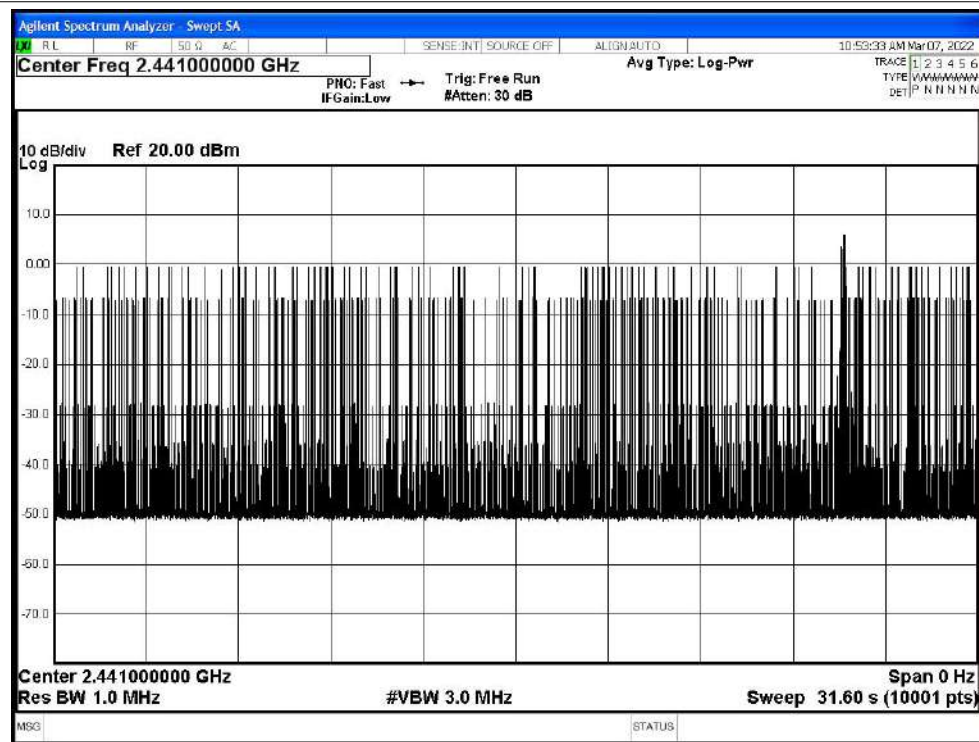




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

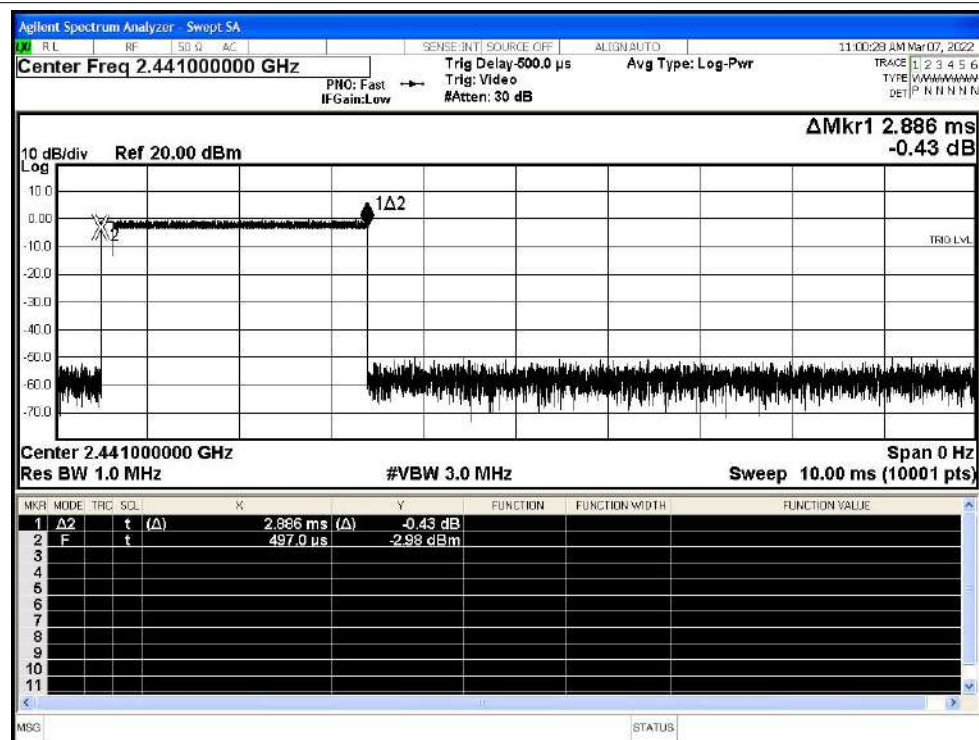


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

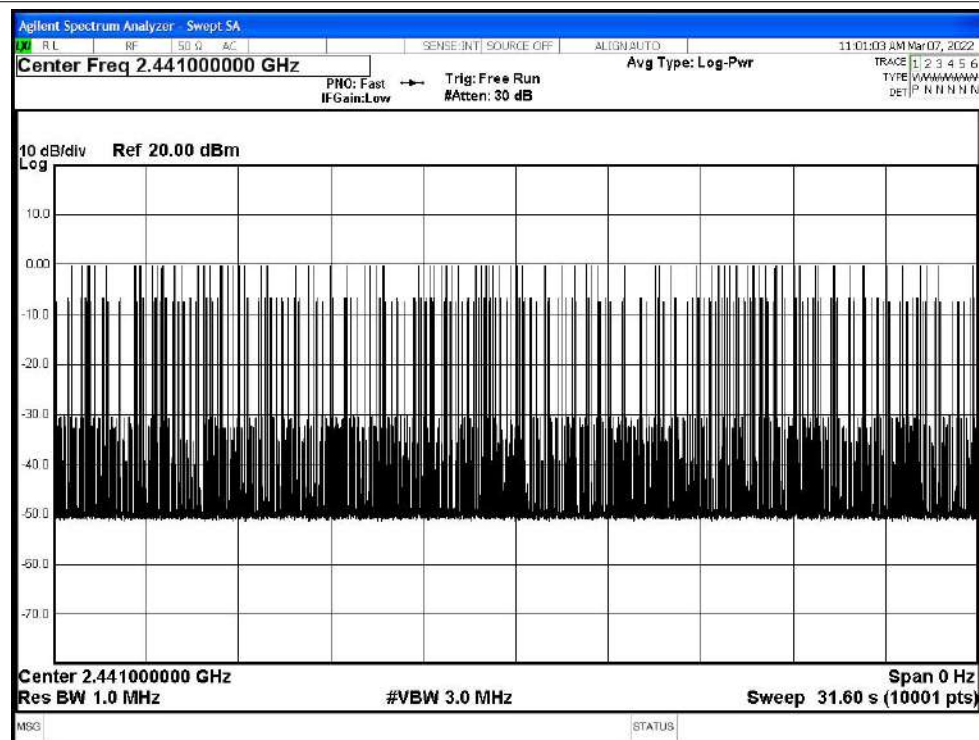




Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated





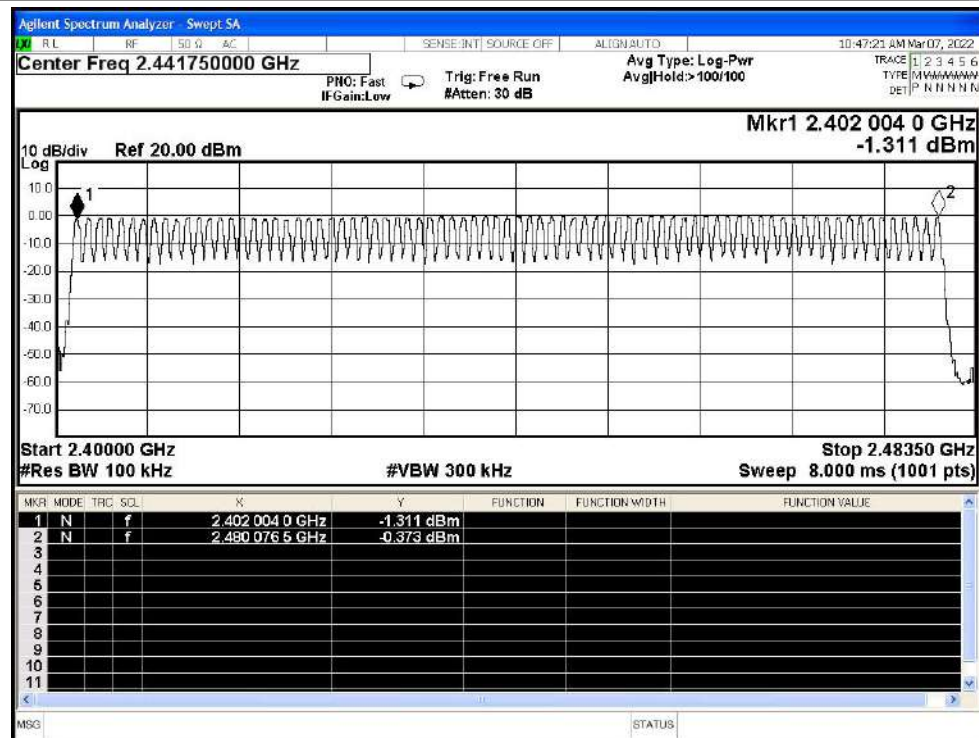
A.5 Number of Hopping Channel

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

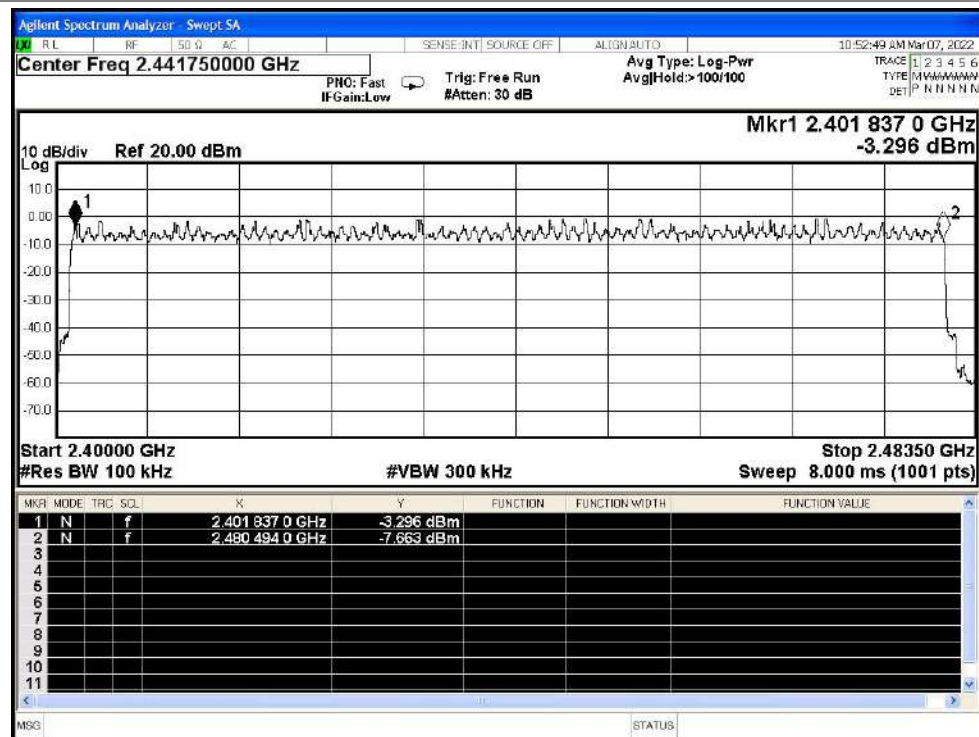


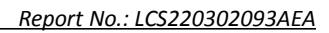
Test Graphs

Hopping No. NVNT 1-DH5 2441MHz Ant1



Hopping No. NVNT 2-DH5 2441MHz Ant1







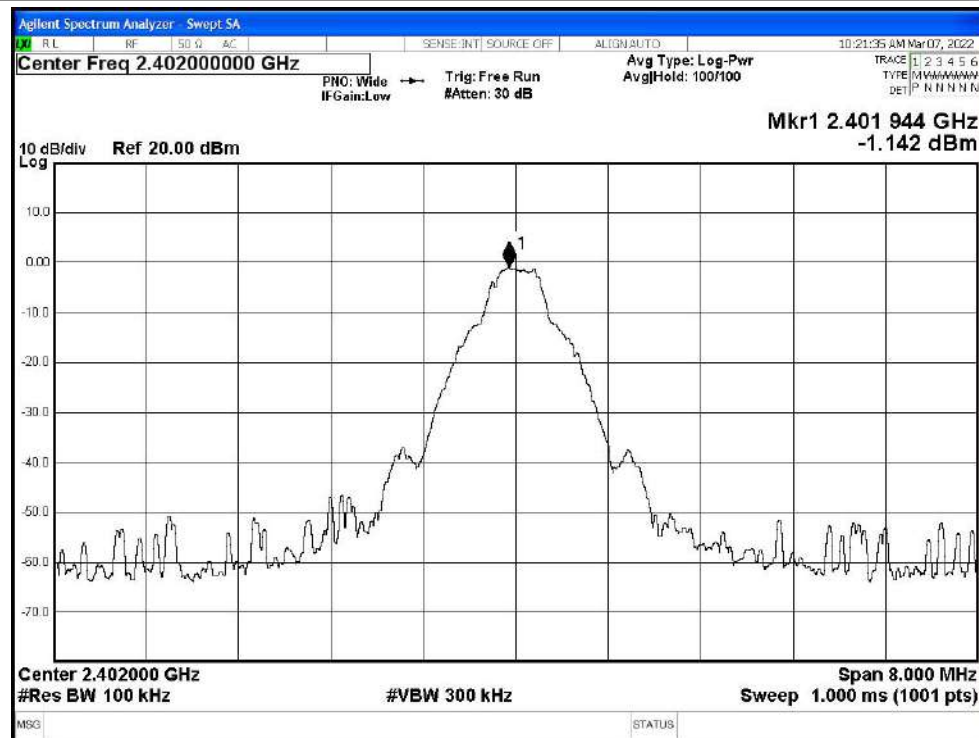
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-50.18	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.63	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-49.7	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.42	≤ -20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51	≤ -20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-53.73	≤ -20	Pass

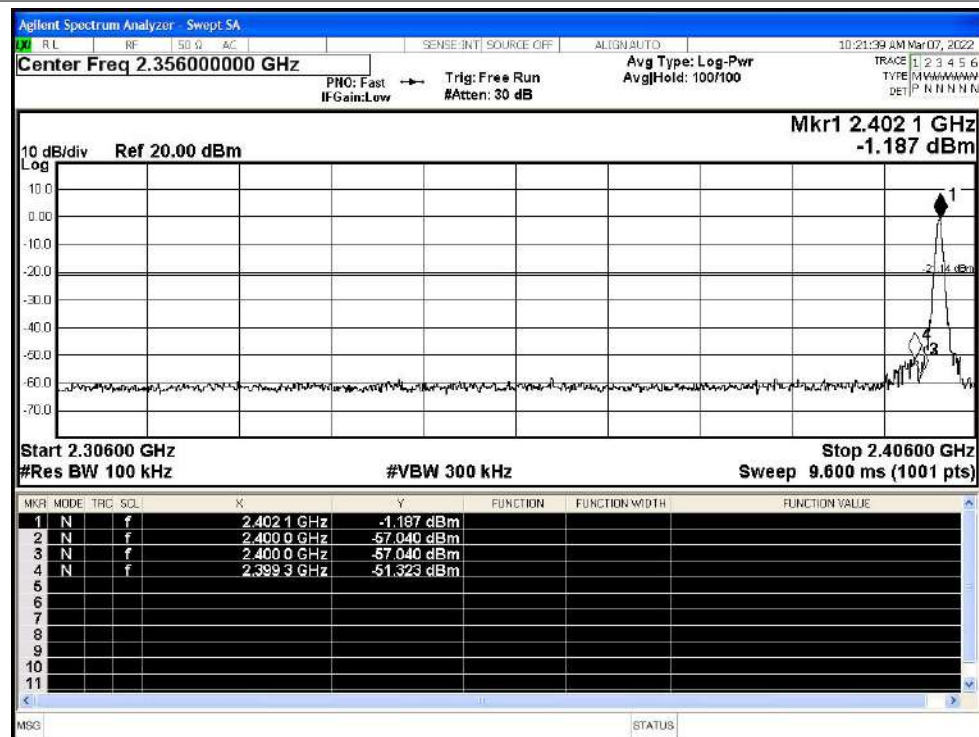


Test Graphs

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

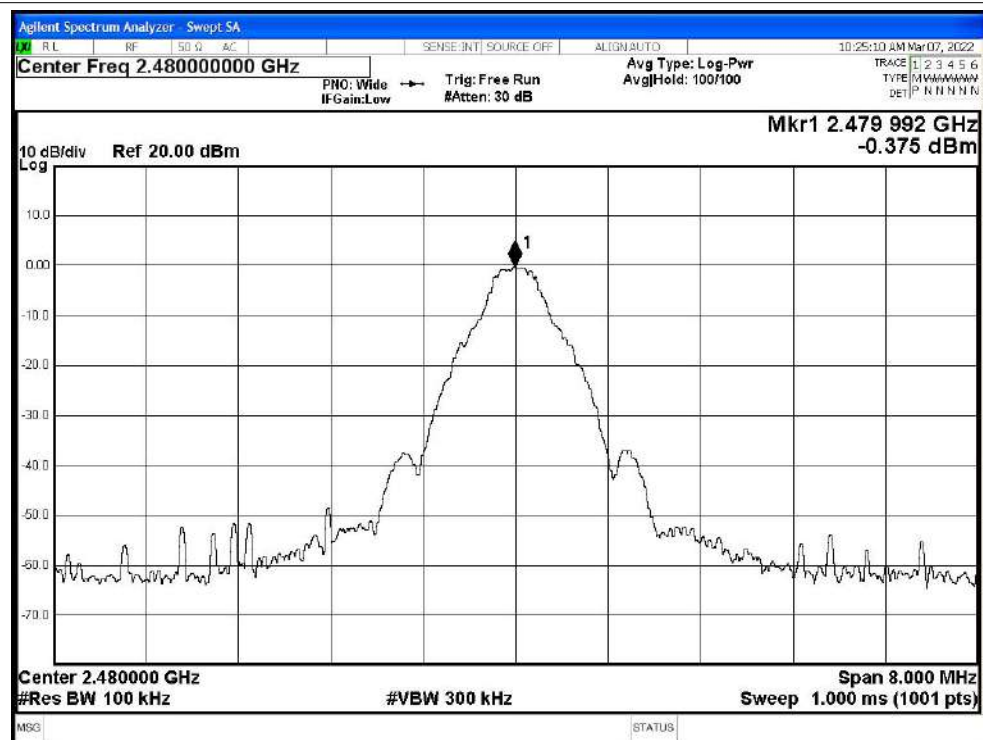


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

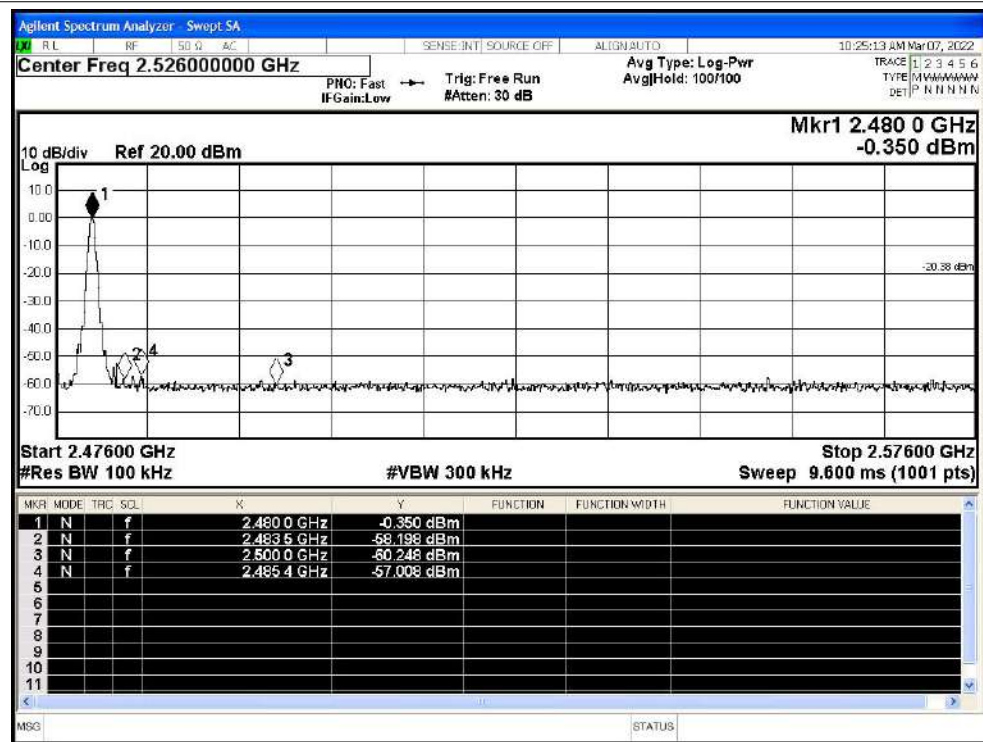




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

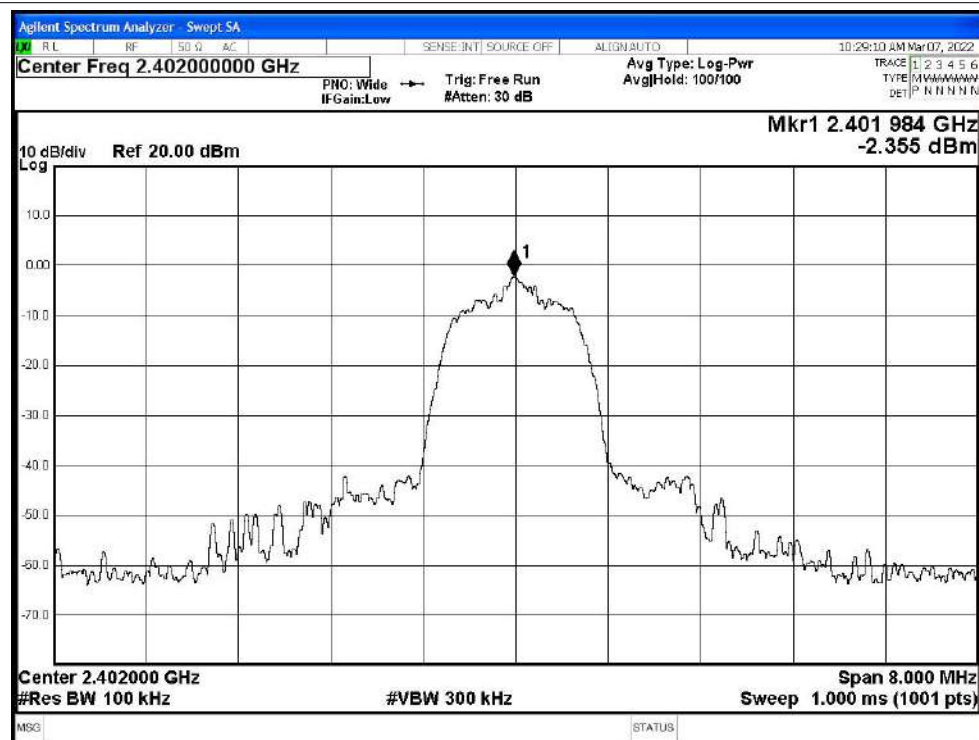


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

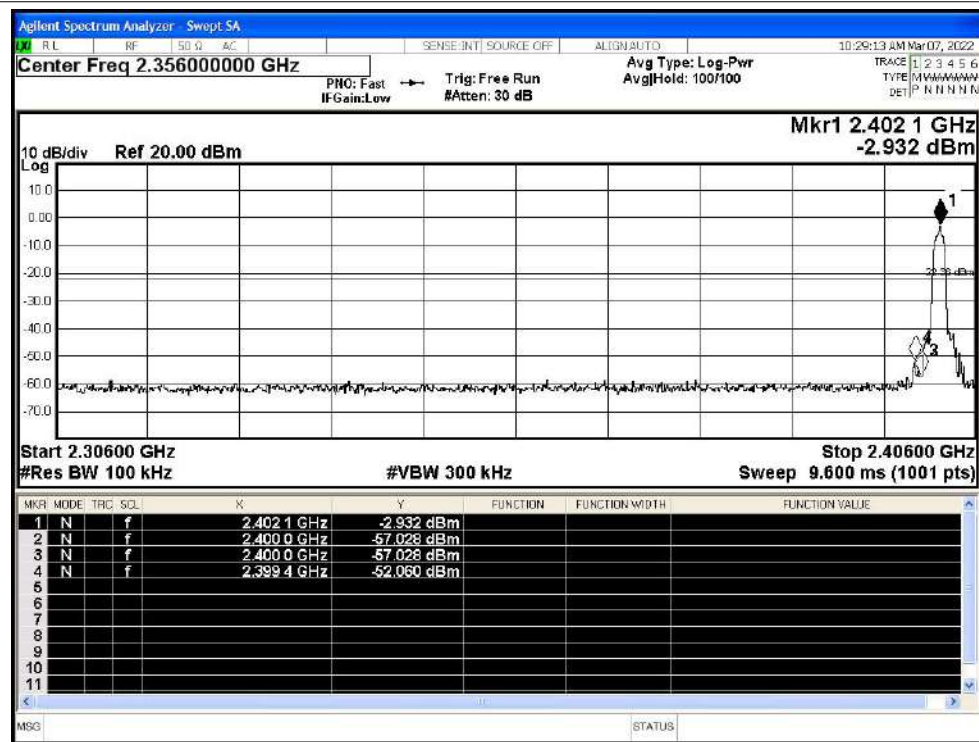




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

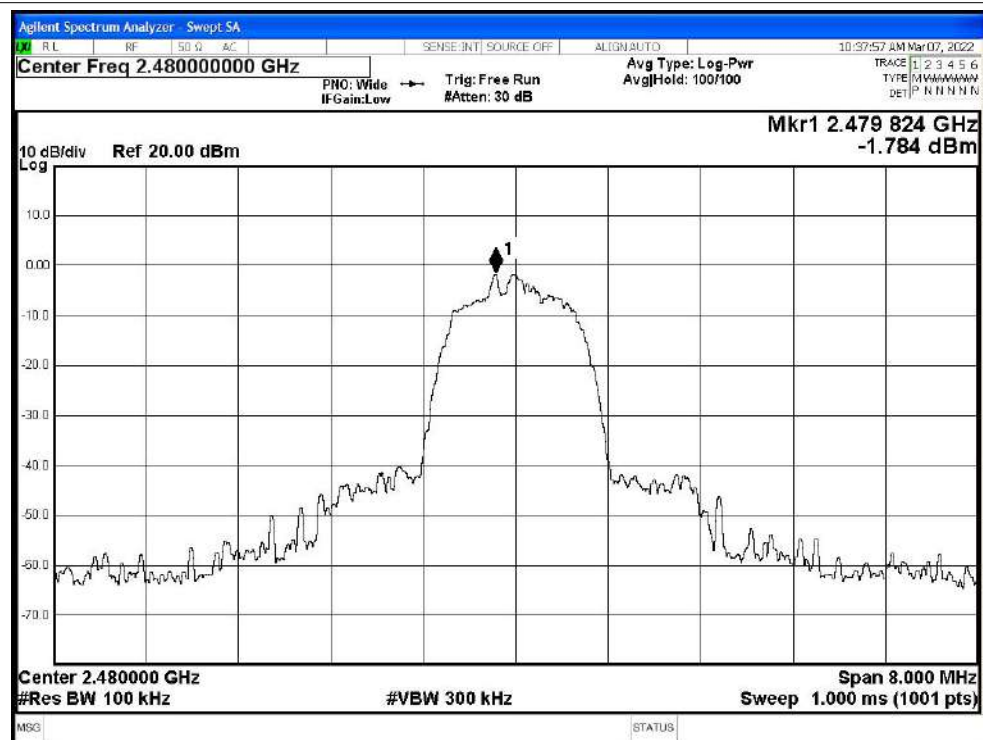


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

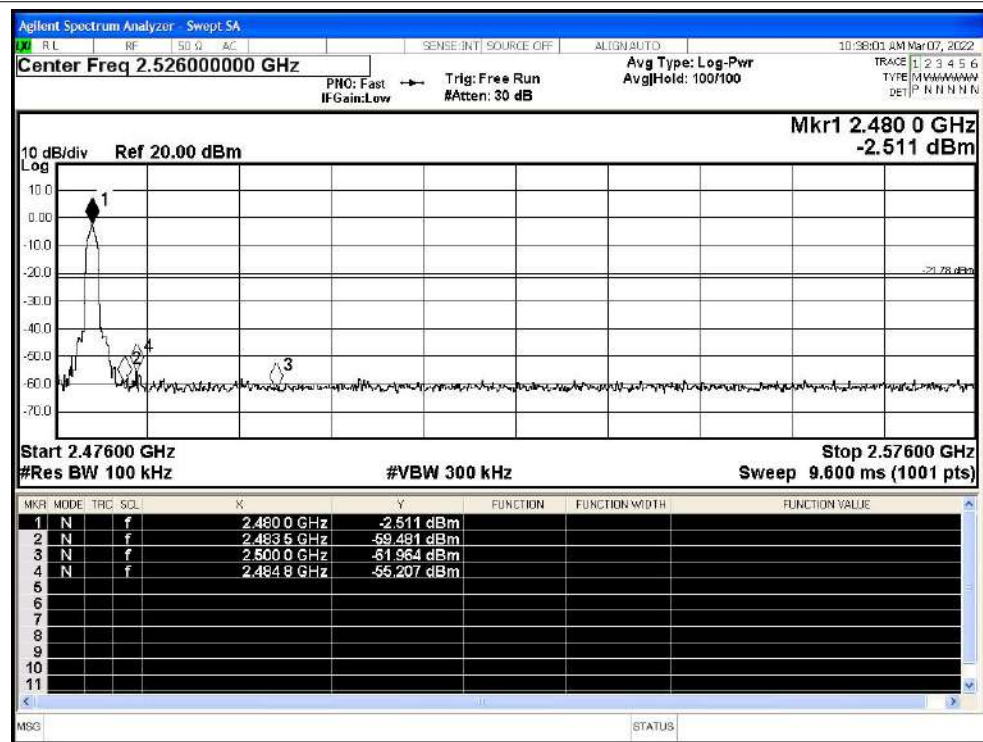




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

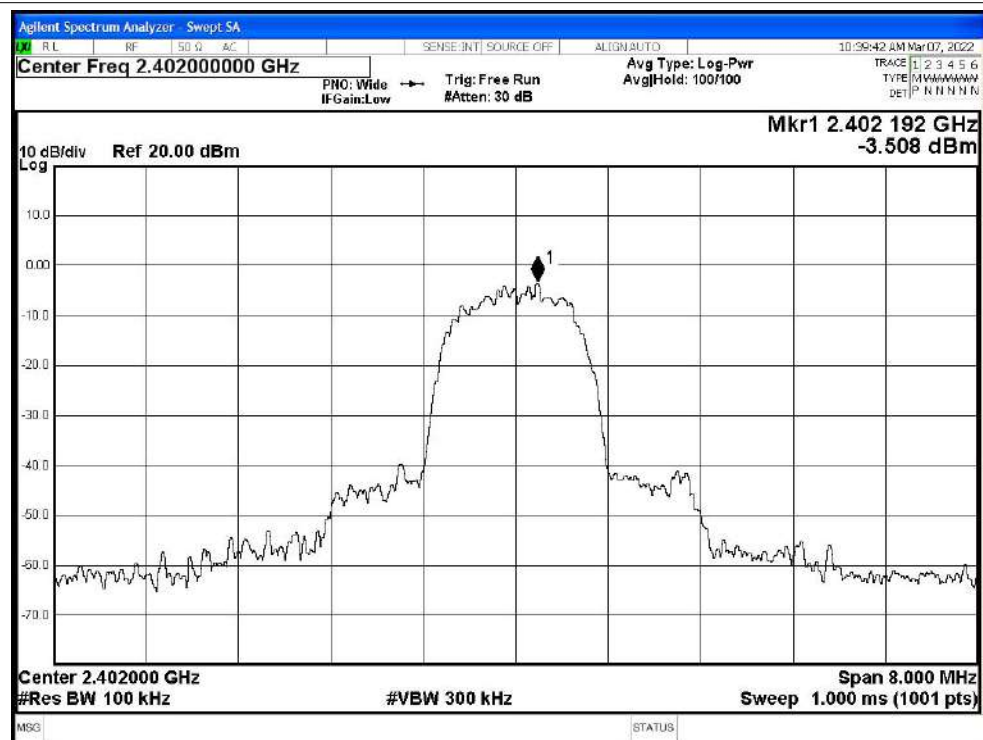


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

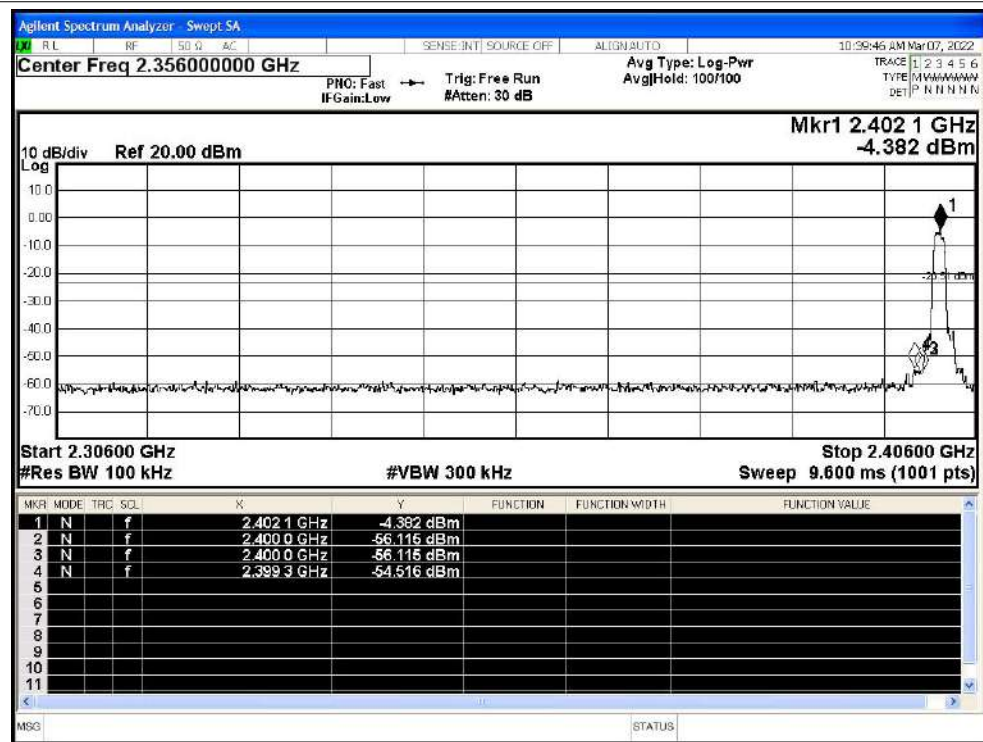




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

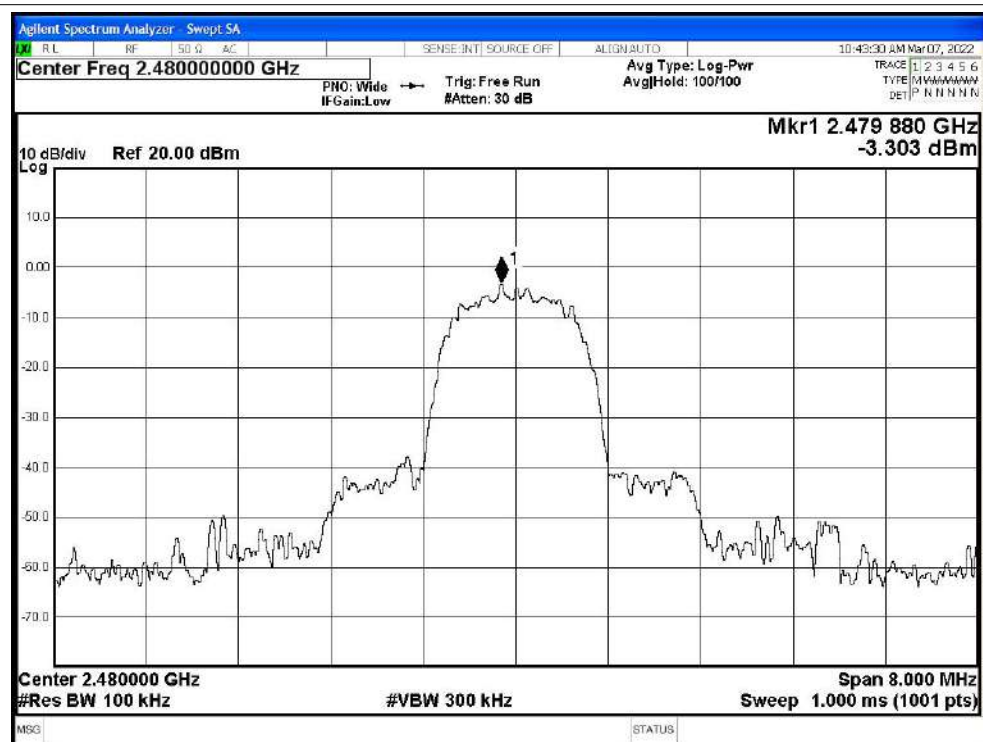


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

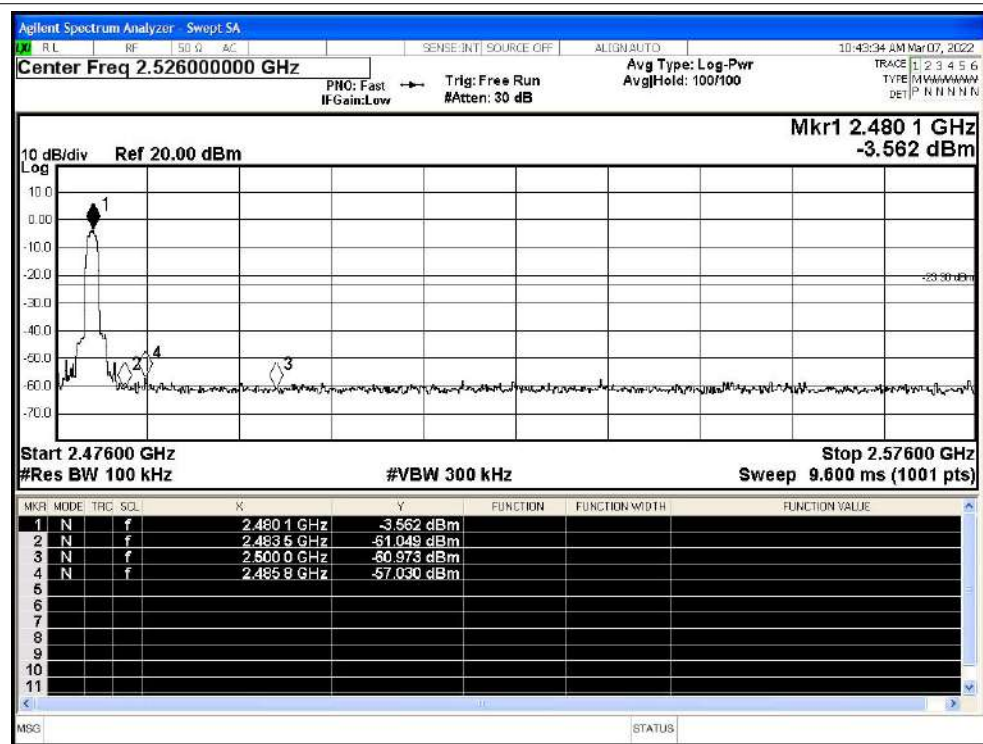




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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



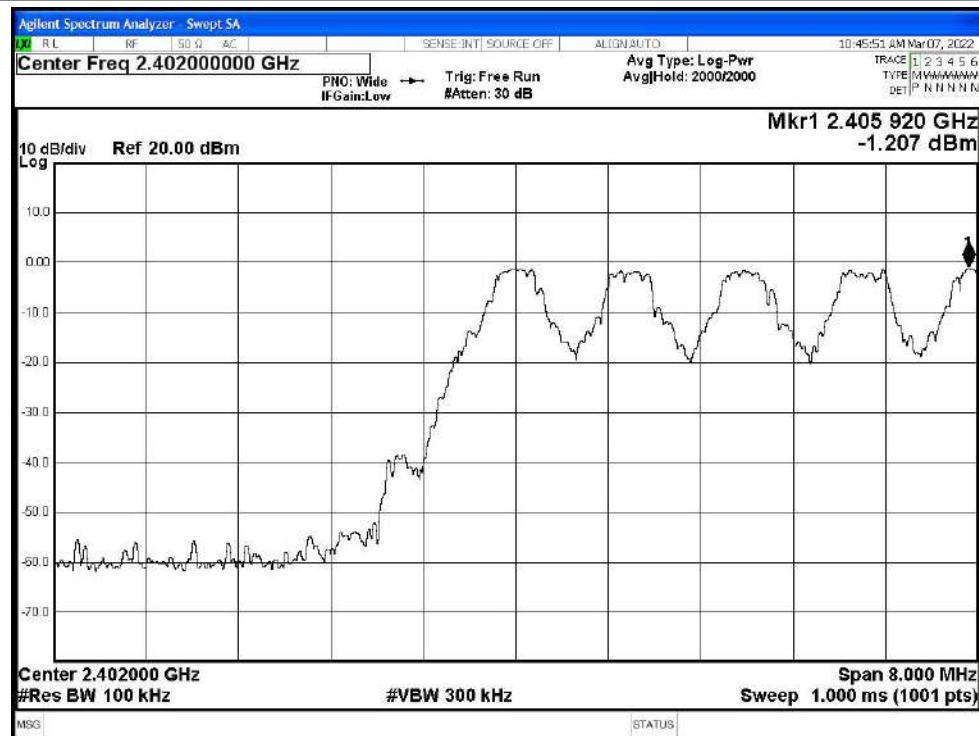


(Hopping)

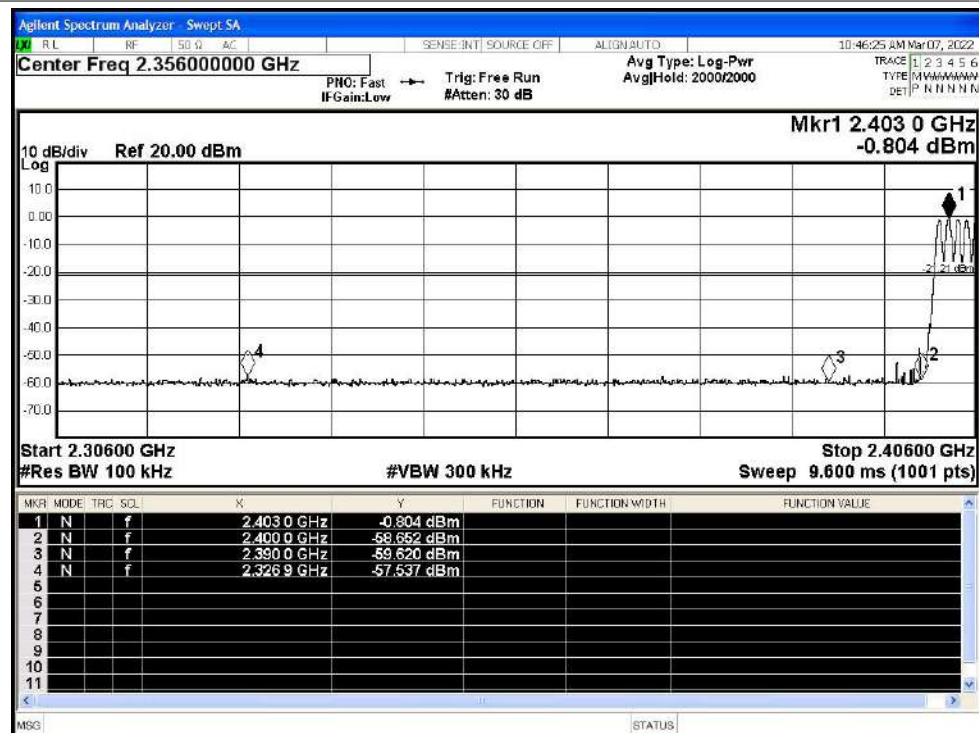
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-56.32	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.11	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.09	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-56.39	≤ -20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.53	≤ -20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.2	≤ -20	Pass

Test Graphs

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

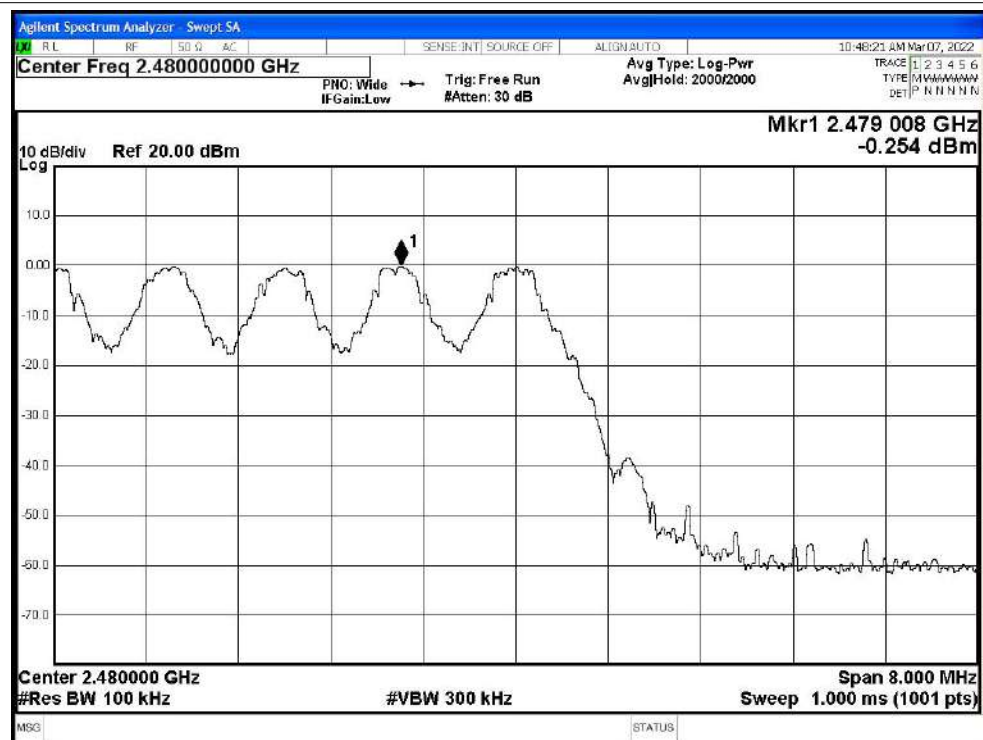


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

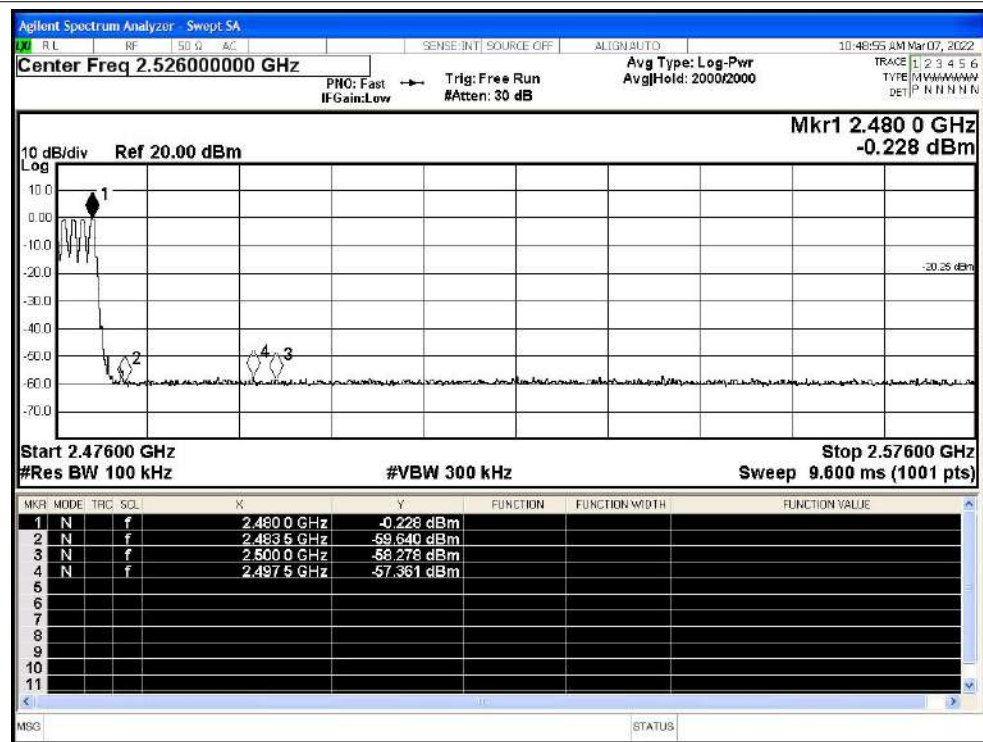




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

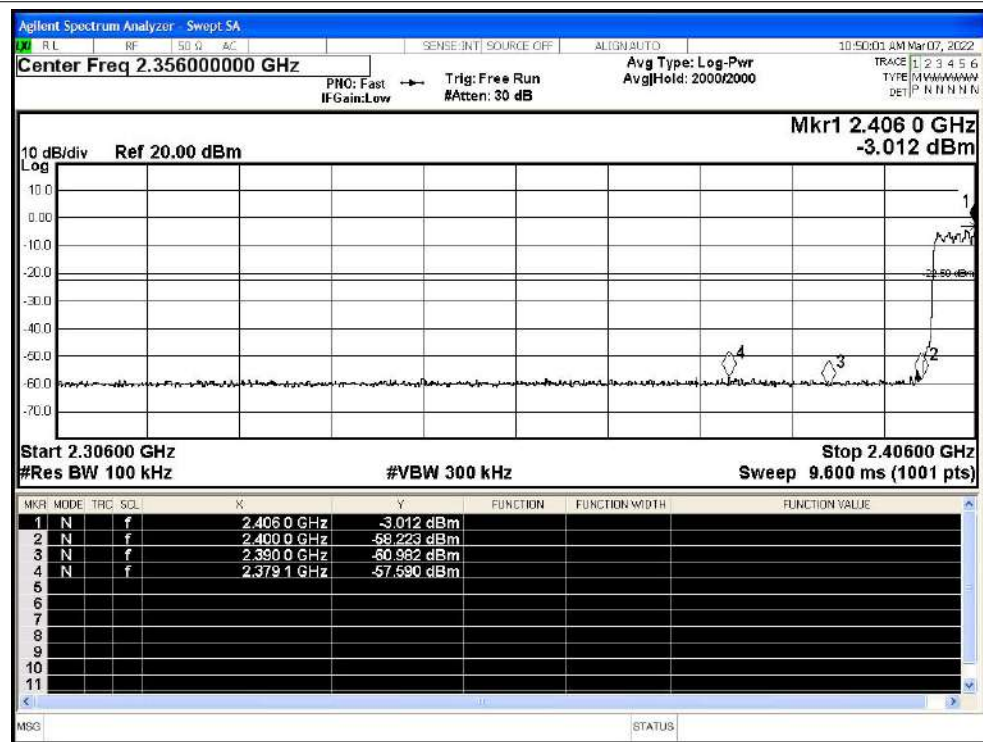




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

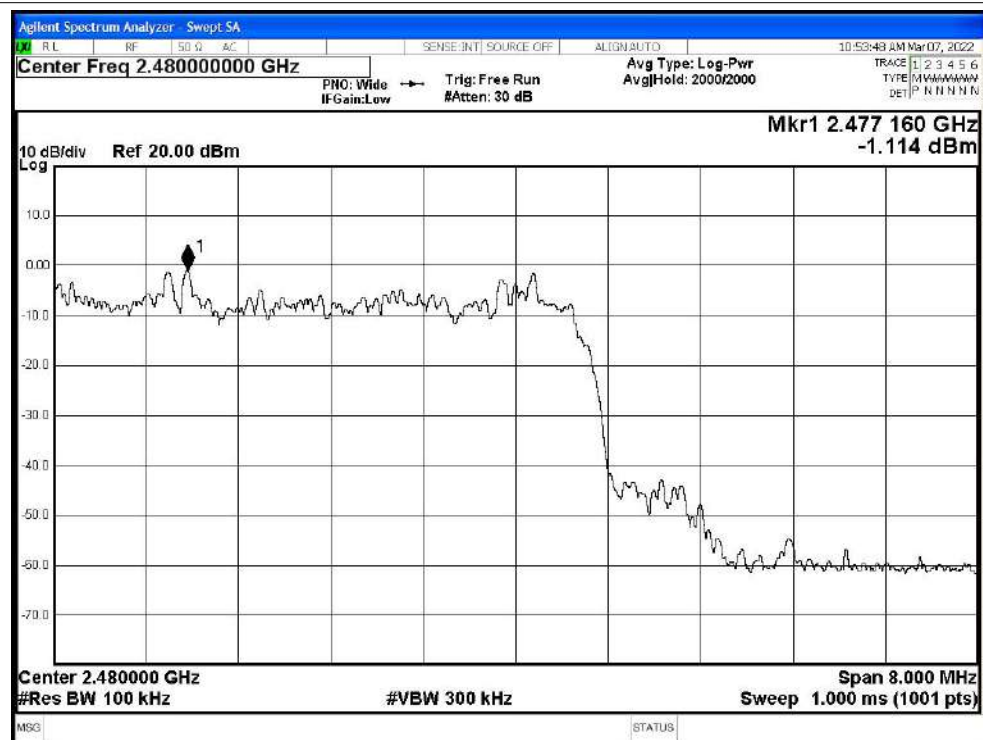


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

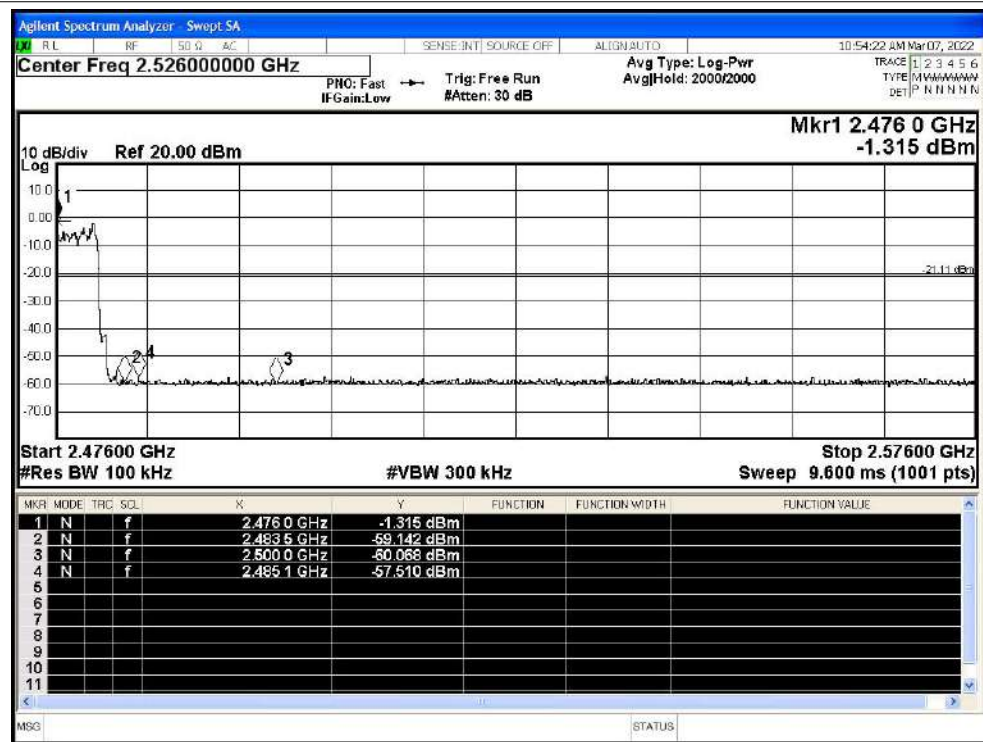




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

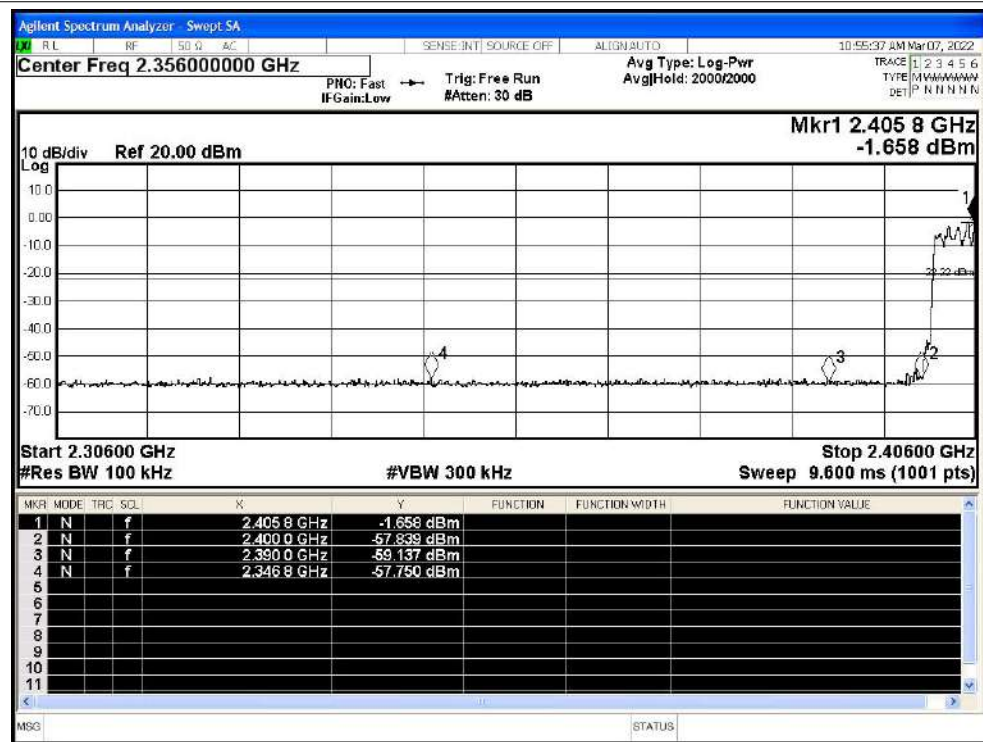




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

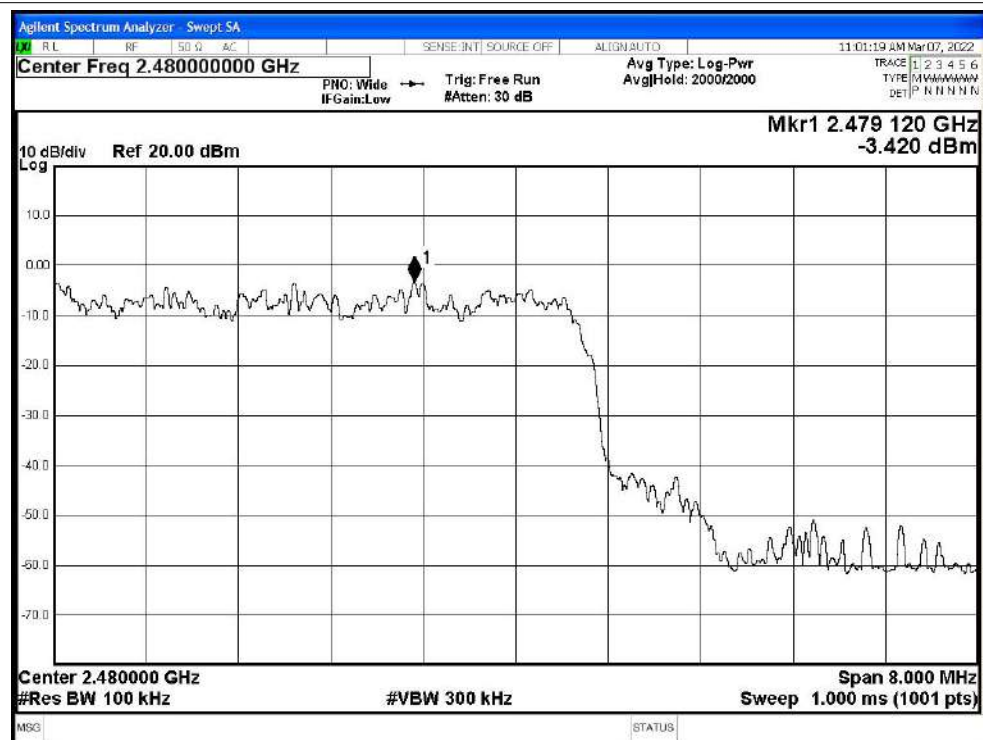


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

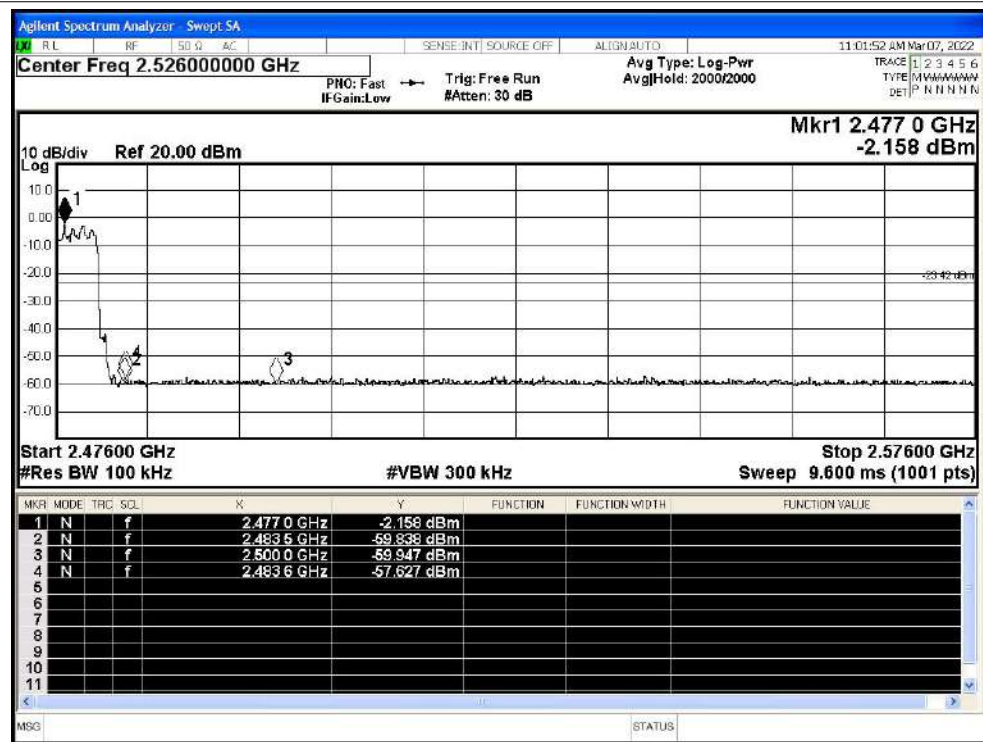




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





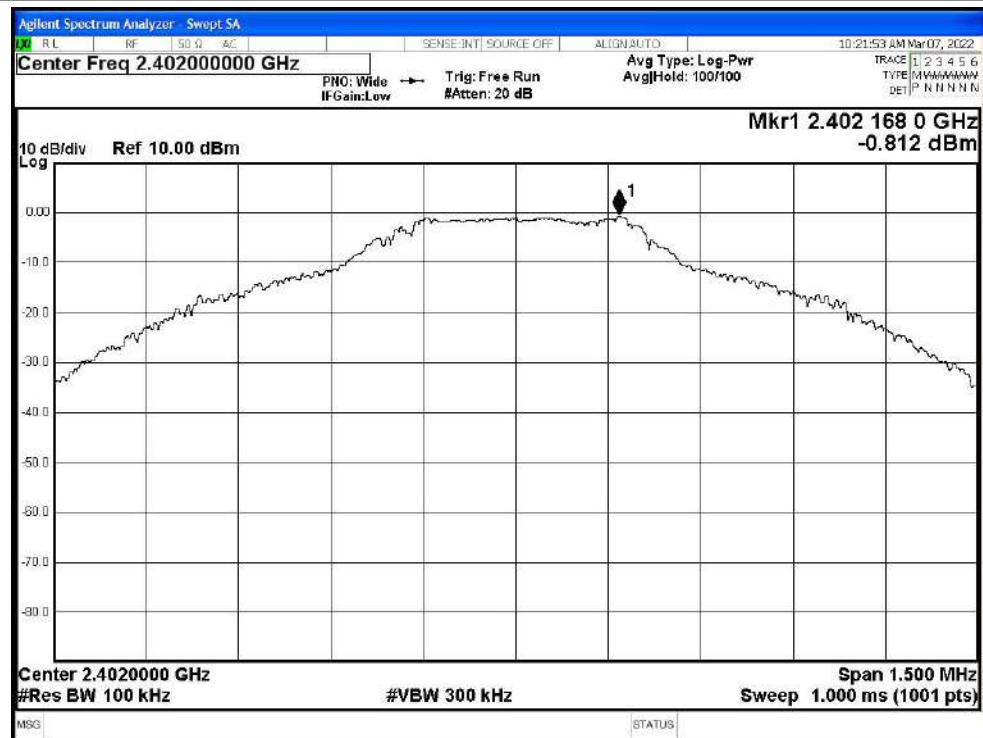
A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-31.26	≤ -20	Pass
NVNT	1-DH5	2441	Ant1	-37.94	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	-53.52	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	-34.86	≤ -20	Pass
NVNT	2-DH5	2441	Ant1	-36.23	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	-55.63	≤ -20	Pass
NVNT	3-DH5	2402	Ant1	-54.3	≤ -20	Pass
NVNT	3-DH5	2441	Ant1	-42.33	≤ -20	Pass
NVNT	3-DH5	2480	Ant1	-55.61	≤ -20	Pass

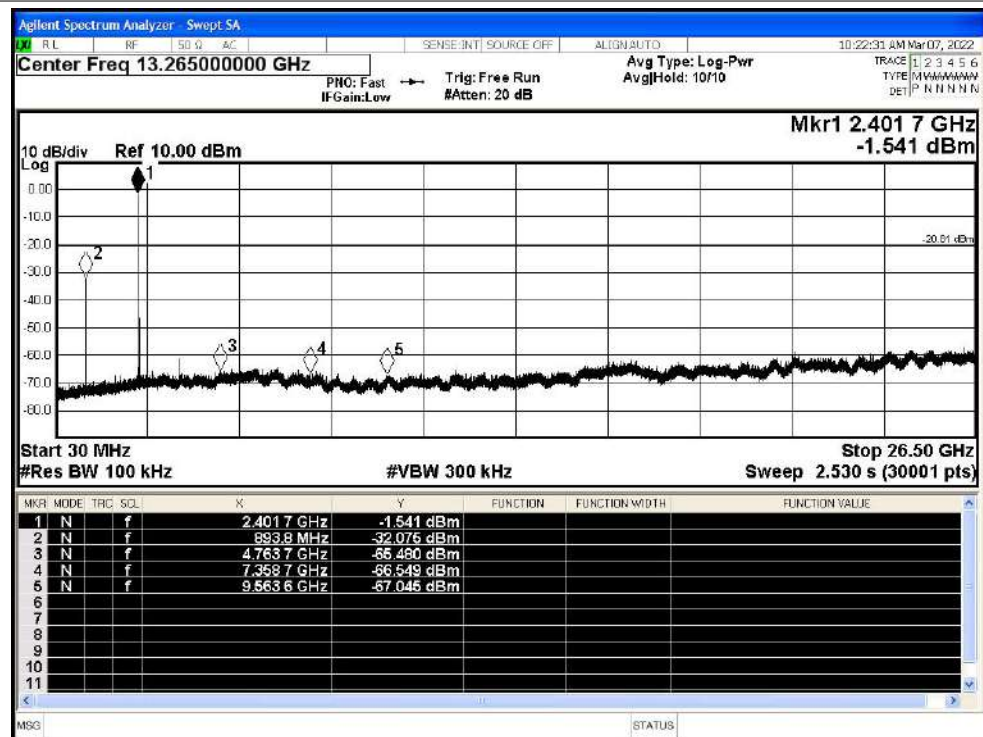


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

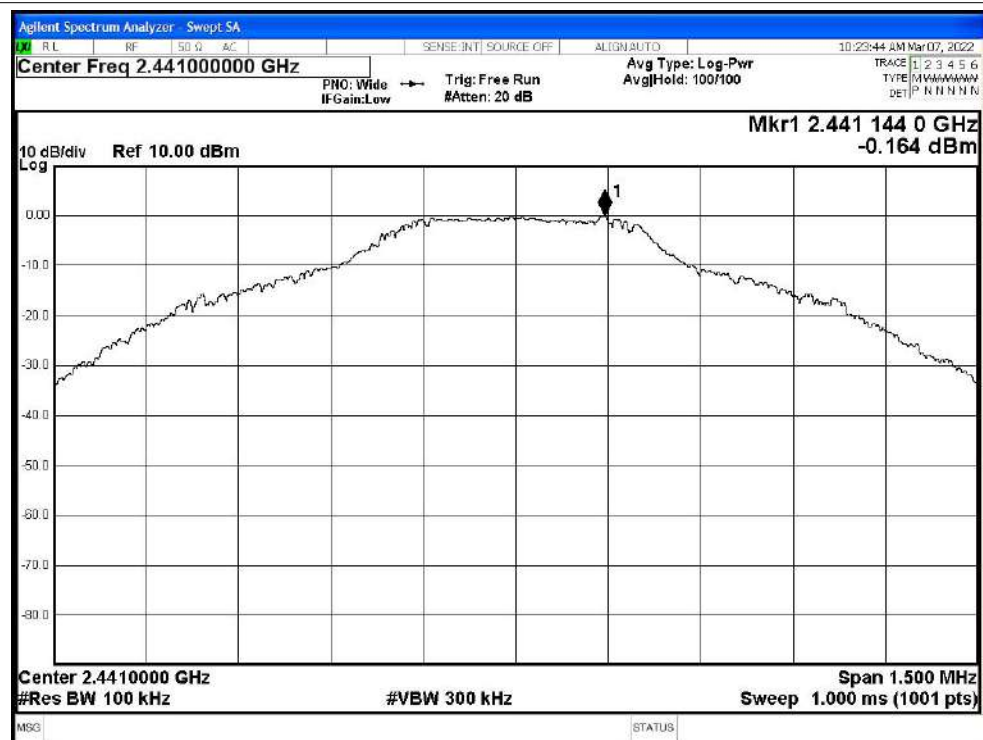


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

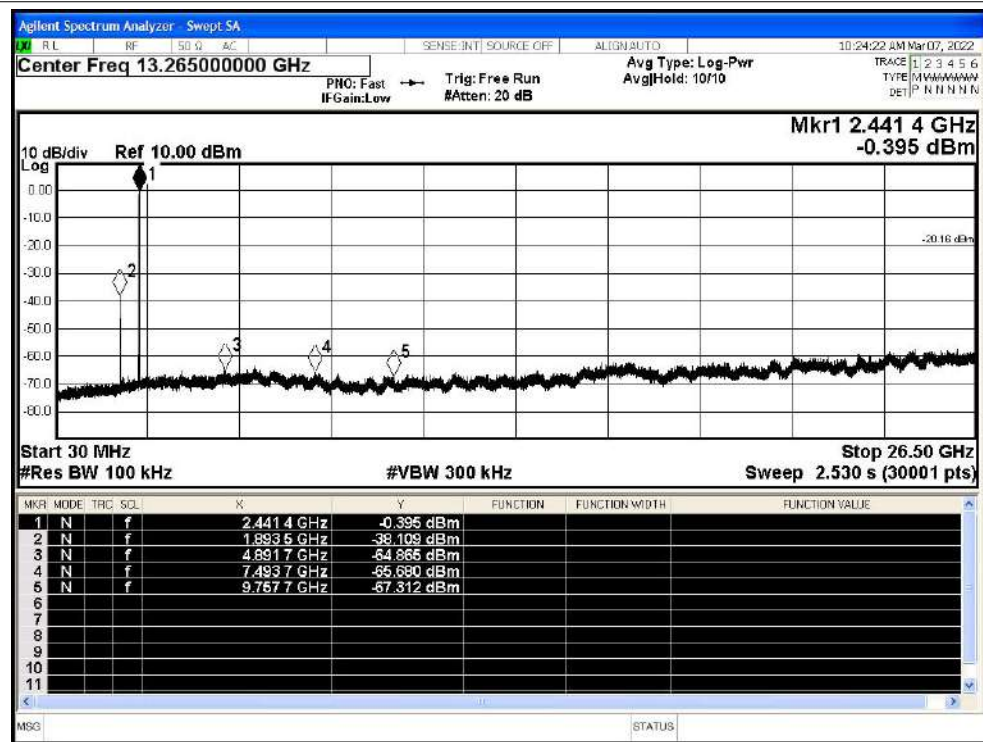




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

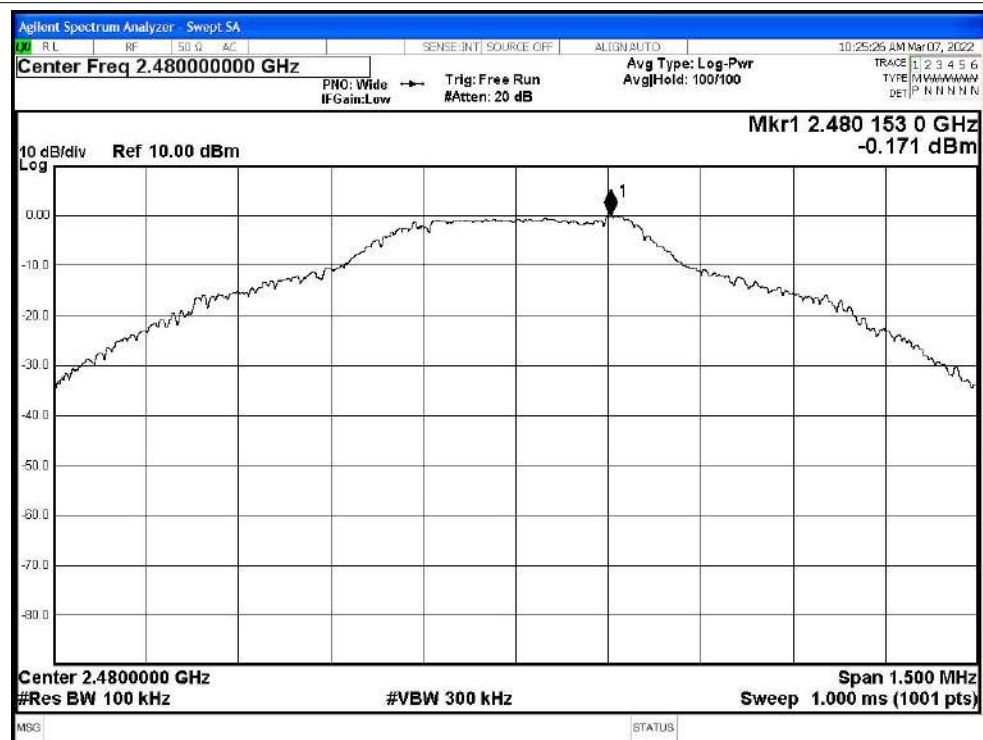


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

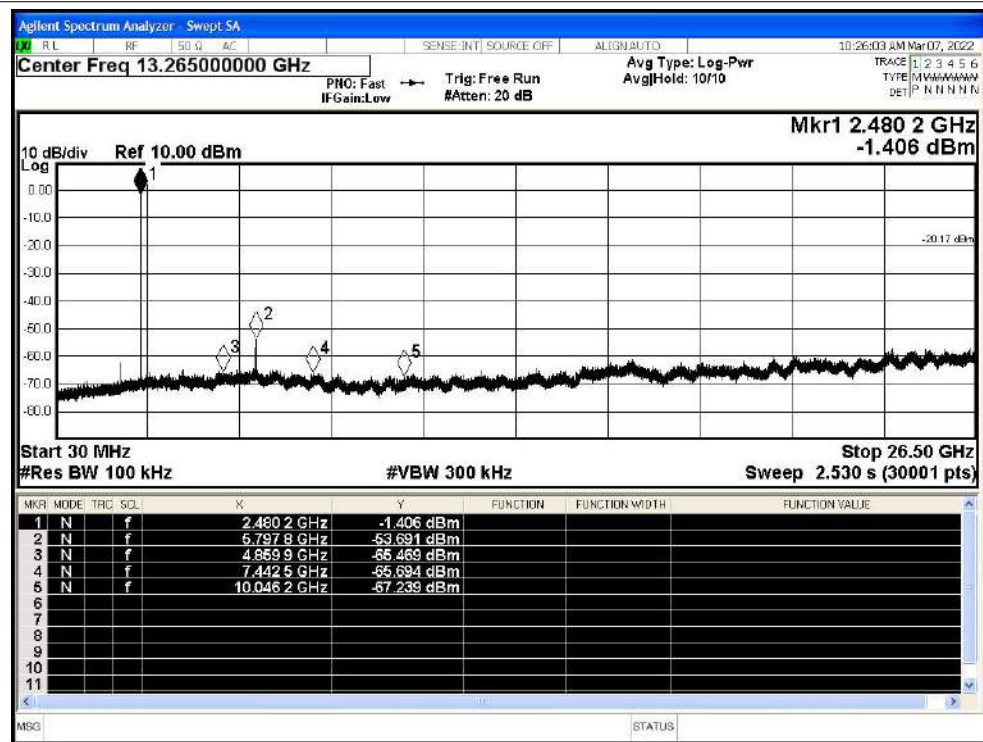




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

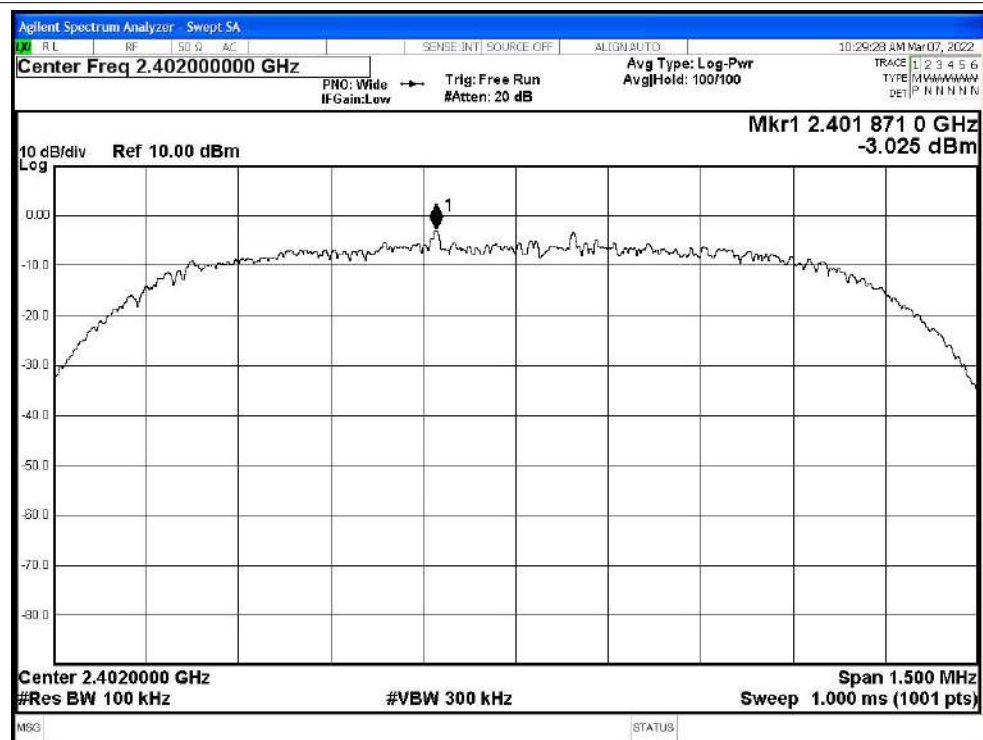


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

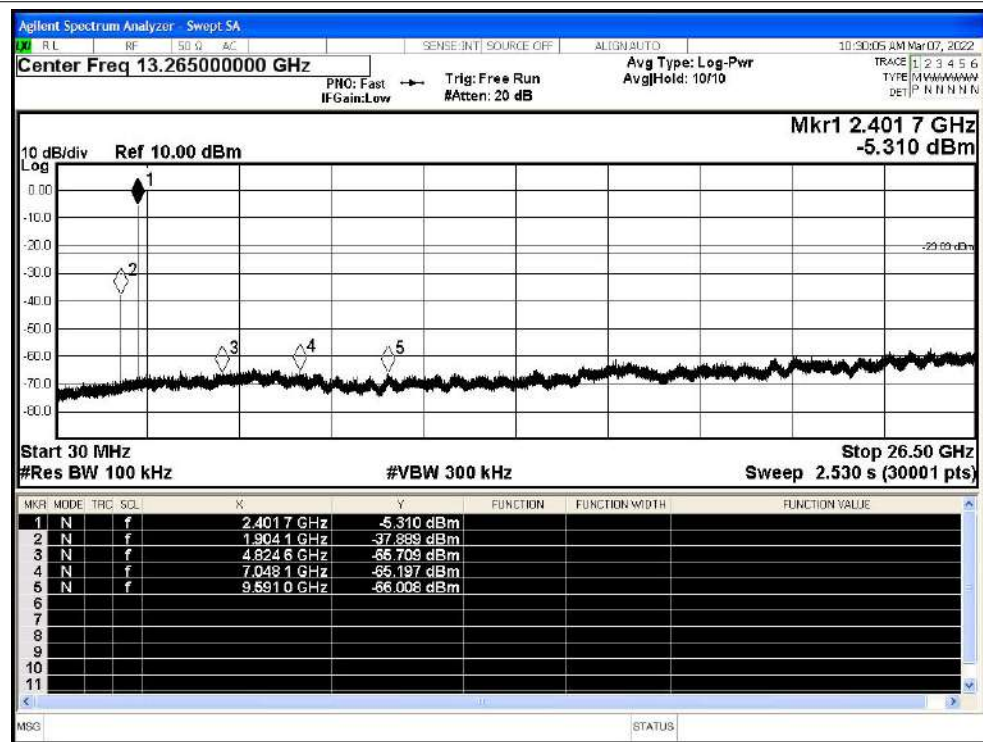




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

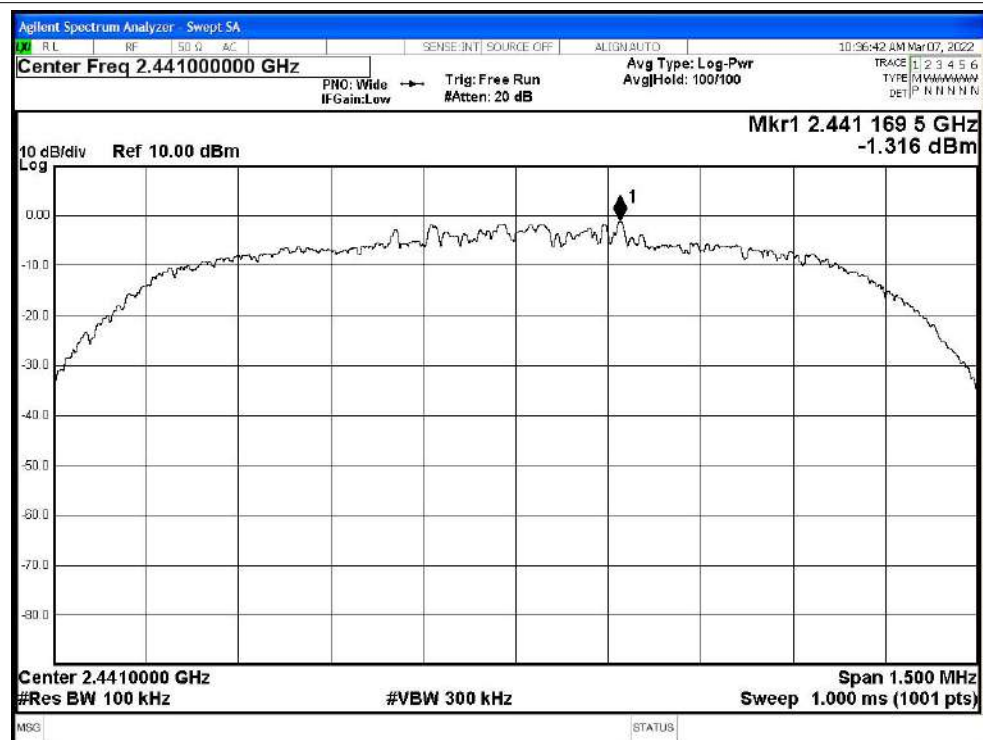


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

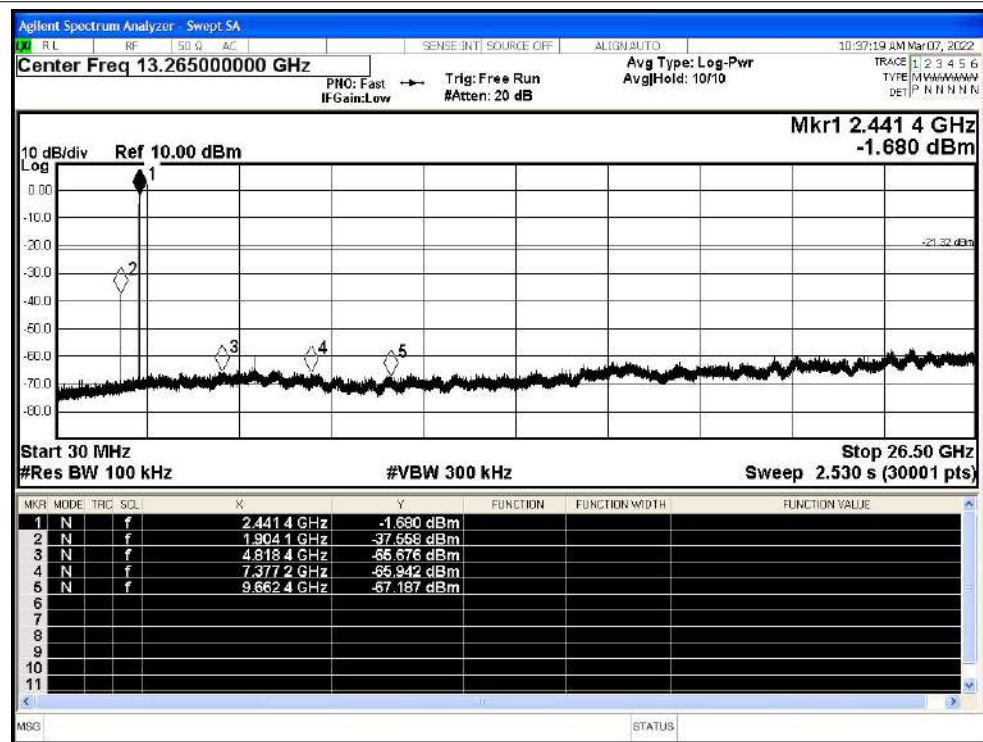




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

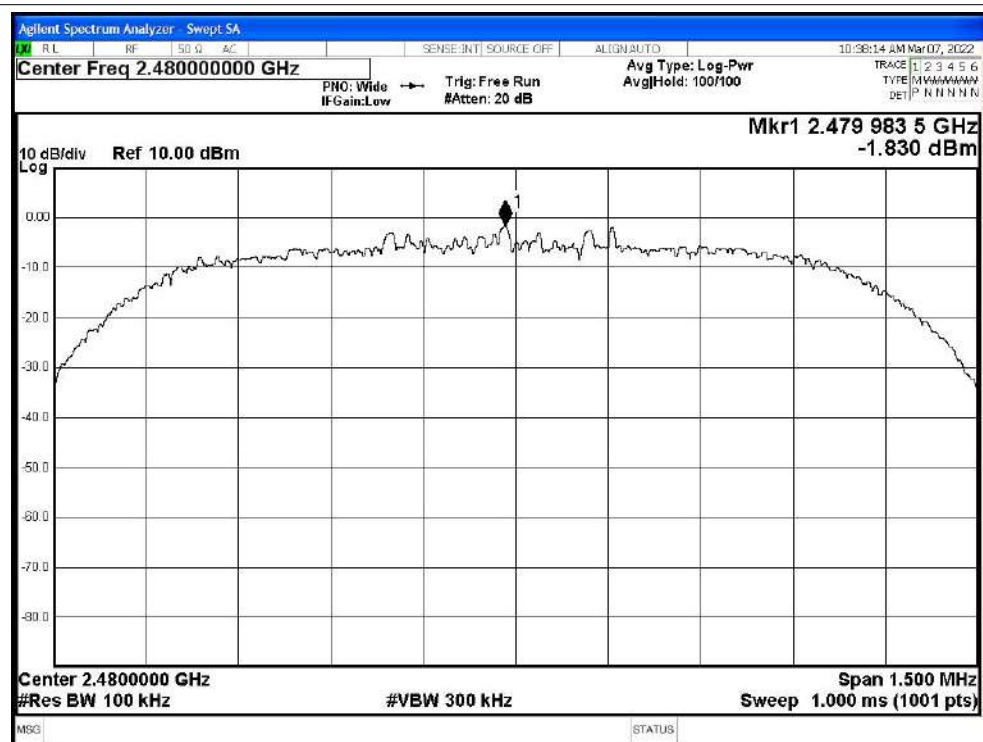


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

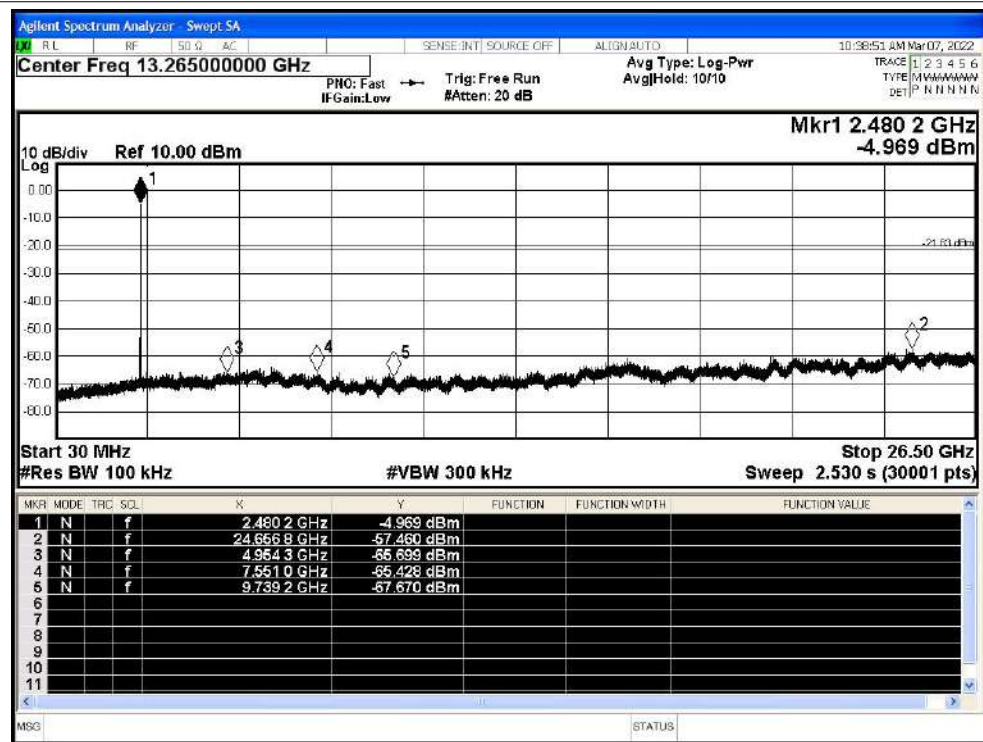




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

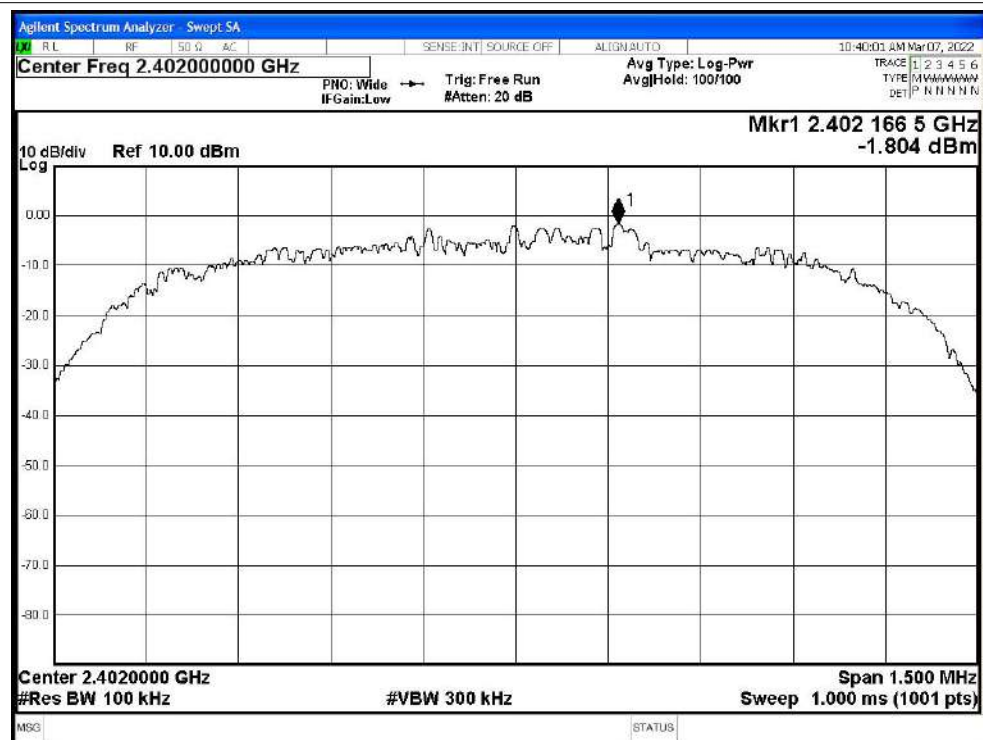


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

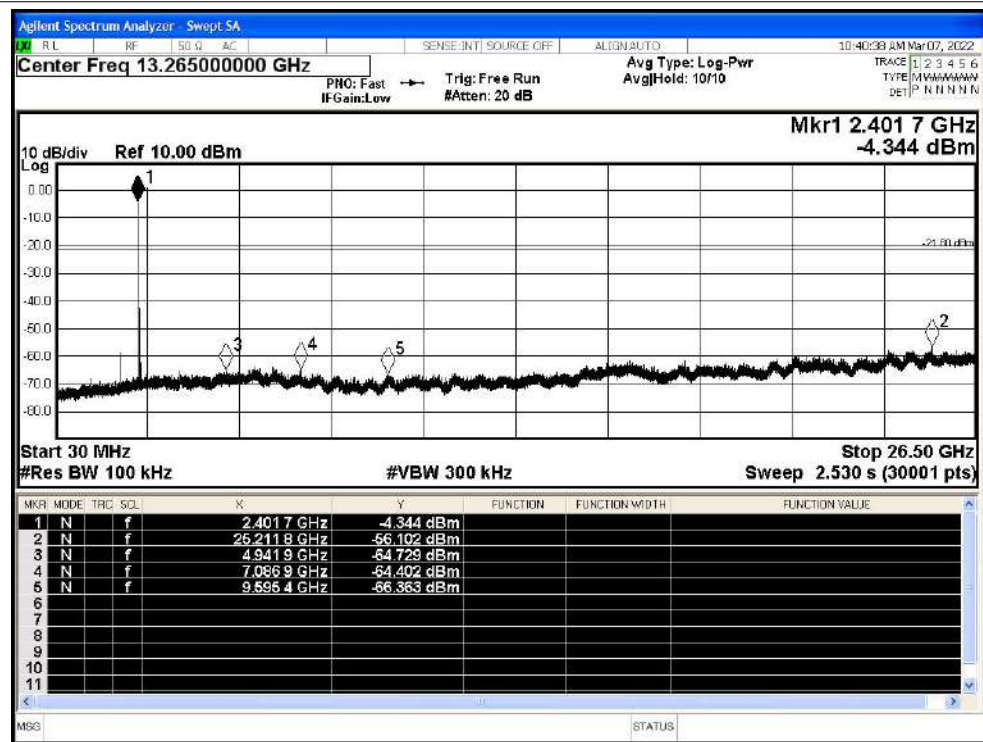




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

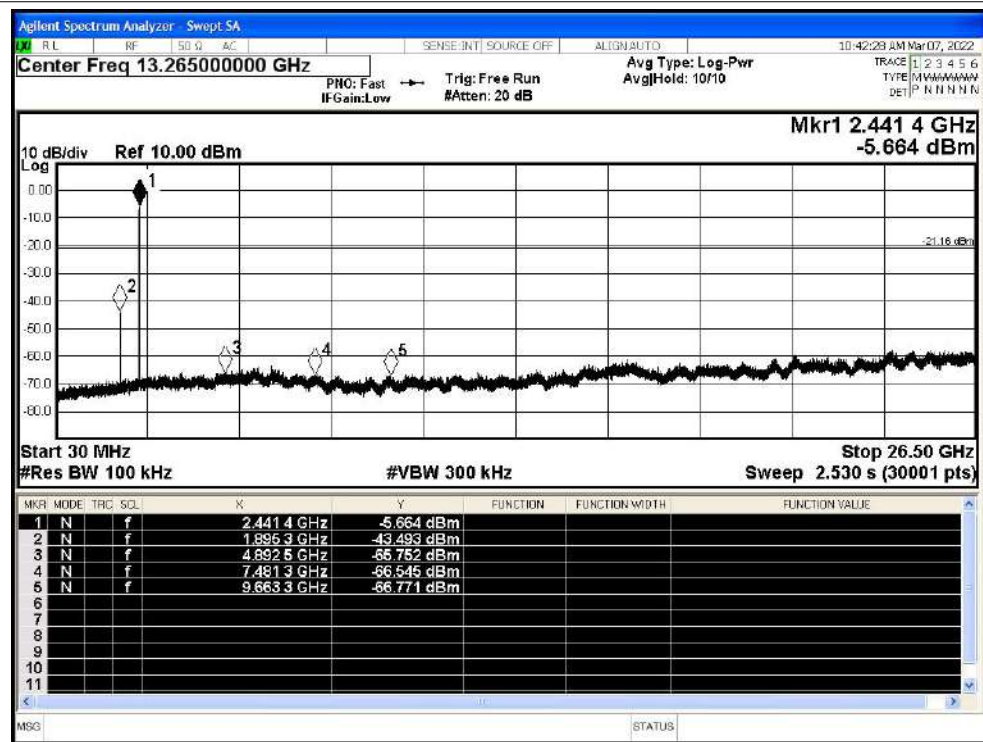




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

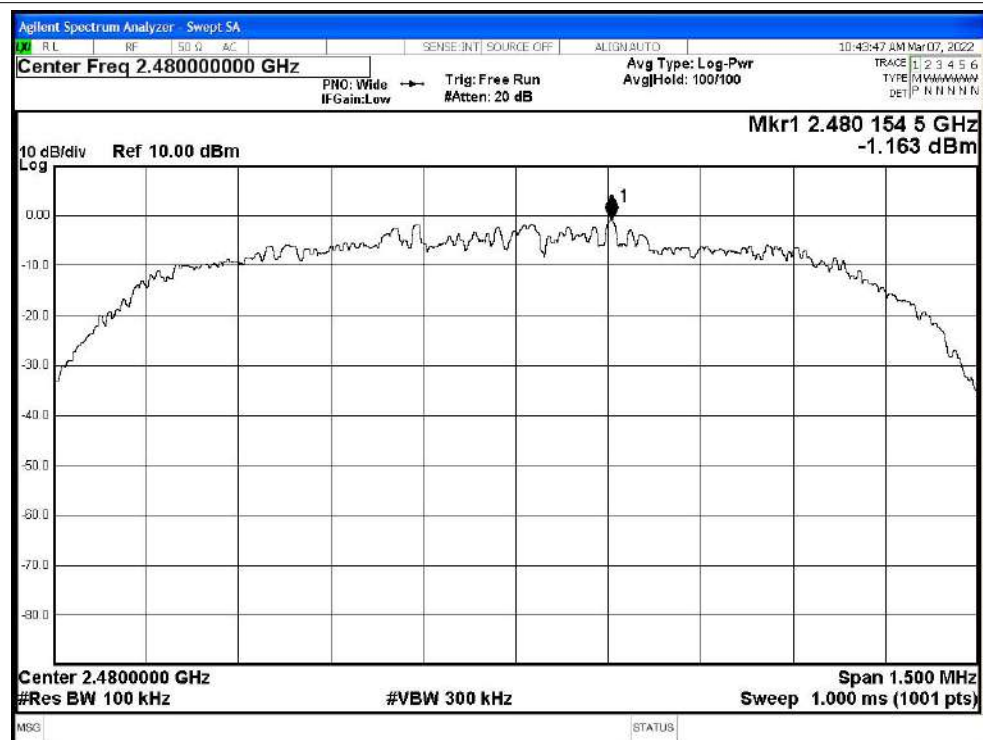


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

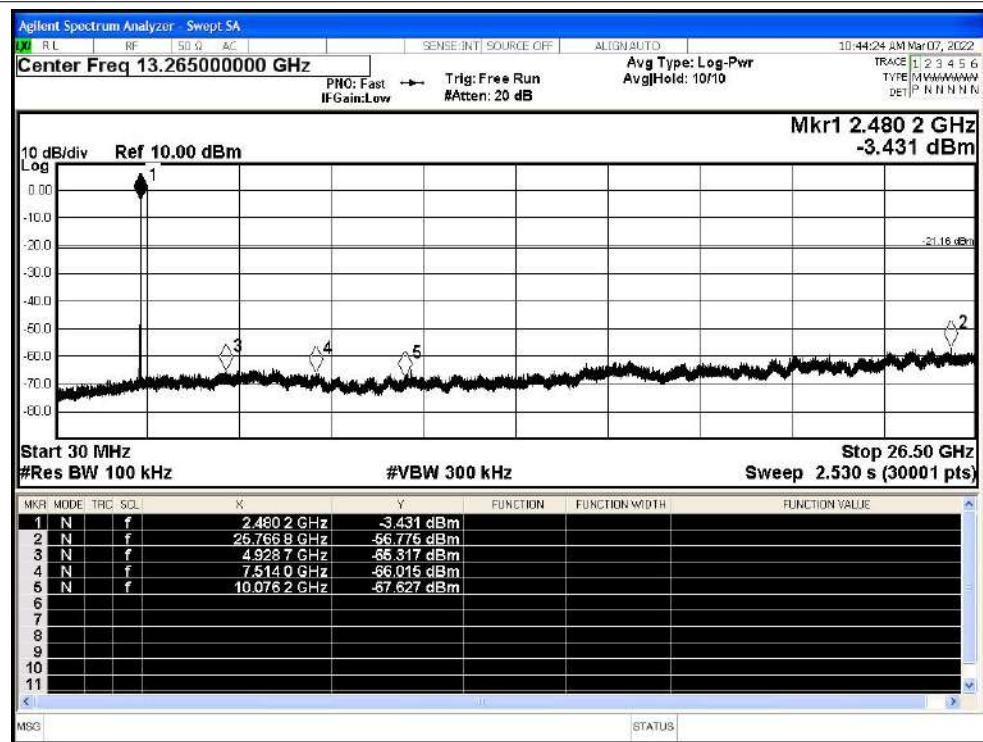




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





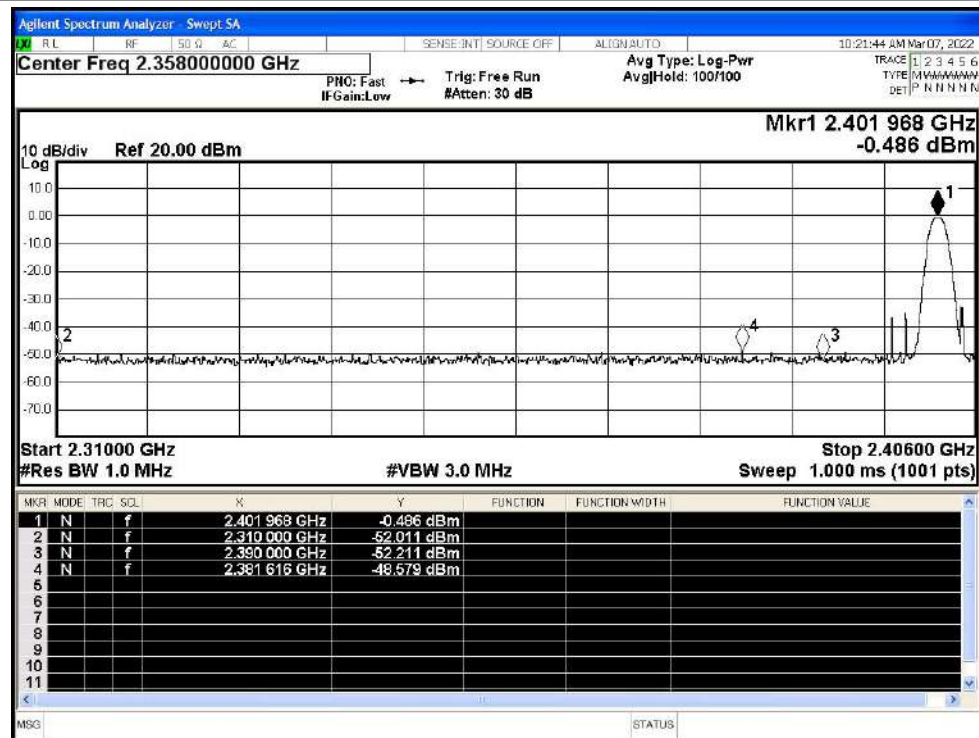
A.8 Restrict Band

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	-52.01	2	45.25	Peak	≤74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-61.99	2	35.27	Average	≤54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2381.616	-48.57	2	48.69	Peak	≤74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.68	-61.4	2	35.86	Average	≤54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.87	2	45.39	Peak	≤74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.6	2	35.66	Average	≤54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.23	2	46.03	Peak	≤74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-61.1	2	36.16	Average	≤54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.56	-37.71	2	59.55	Peak	≤74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.728	-61.08	2	36.18	Average	≤54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.62	2	45.64	Peak	≤74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.53	2	35.73	Average	≤54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.75	2	45.51	Peak	≤74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-62.04	2	35.22	Average	≤54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2325.744	-49.19	2	48.07	Peak	≤74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2384.304	-61.41	2	35.85	Average	≤54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-53.05	2	44.21	Peak	≤74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.66	2	35.6	Average	≤54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.44	2	46.82	Peak	≤74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.84	2	36.42	Average	≤54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.808	-39.46	2	57.8	Peak	≤74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-60.84	2	36.42	Average	≤54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-52.85	2	44.41	Peak	≤74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.56	2	35.7	Average	≤54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-52.86	2	44.4	Peak	≤74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-61.99	2	35.27	Average	≤54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2364.048	-48.74	2	48.52	Peak	≤74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.296	-61.35	2	35.91	Average	≤54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-52.26	2	45	Peak	≤74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-61.52	2	35.74	Average	≤54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.78	2	46.48	Peak	≤74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-60.97	2	36.29	Average	≤54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.536	-39.56	2	57.7	Peak	≤74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.656	-60.91	2	36.35	Average	≤54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-52.15	2	45.11	Peak	≤74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-61.59	2	35.67	Average	≤54	Pass

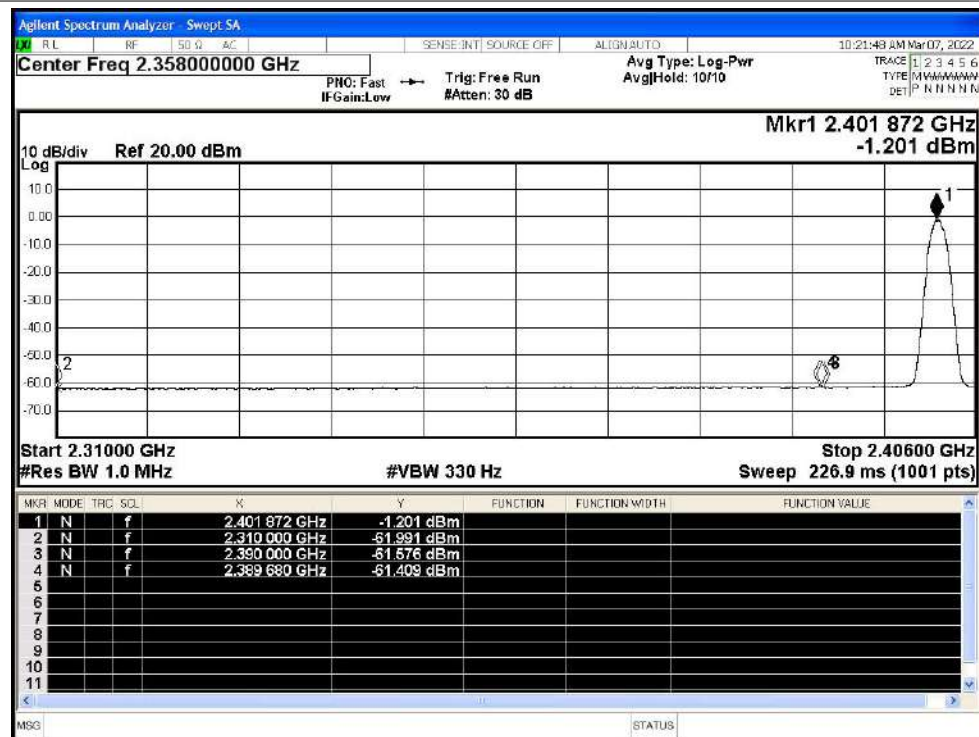


Test Graphs

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

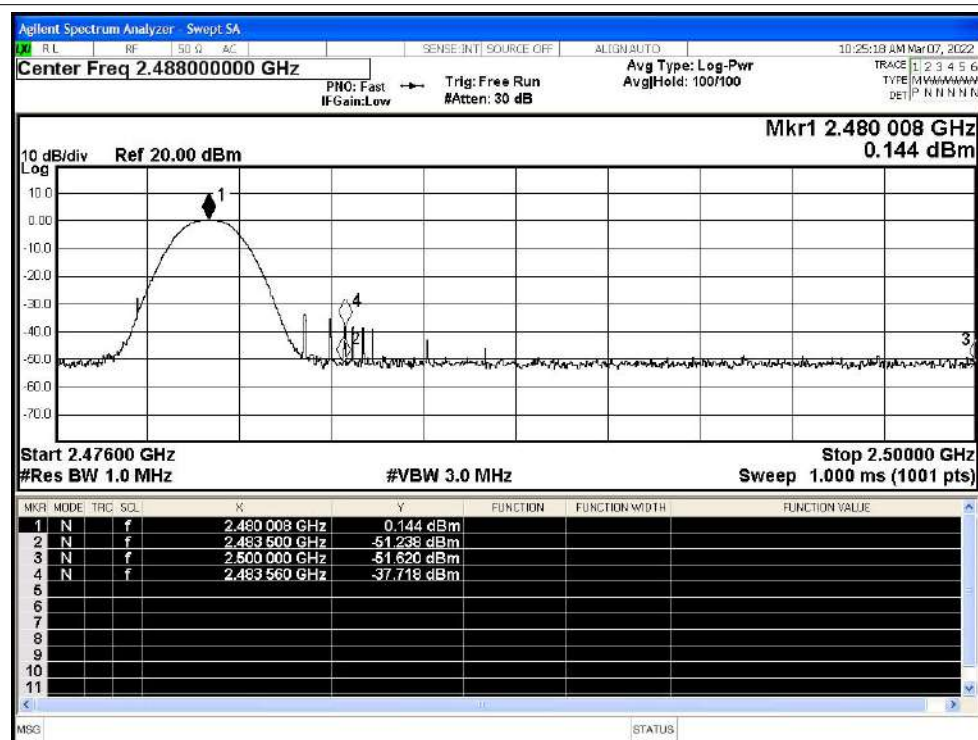


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

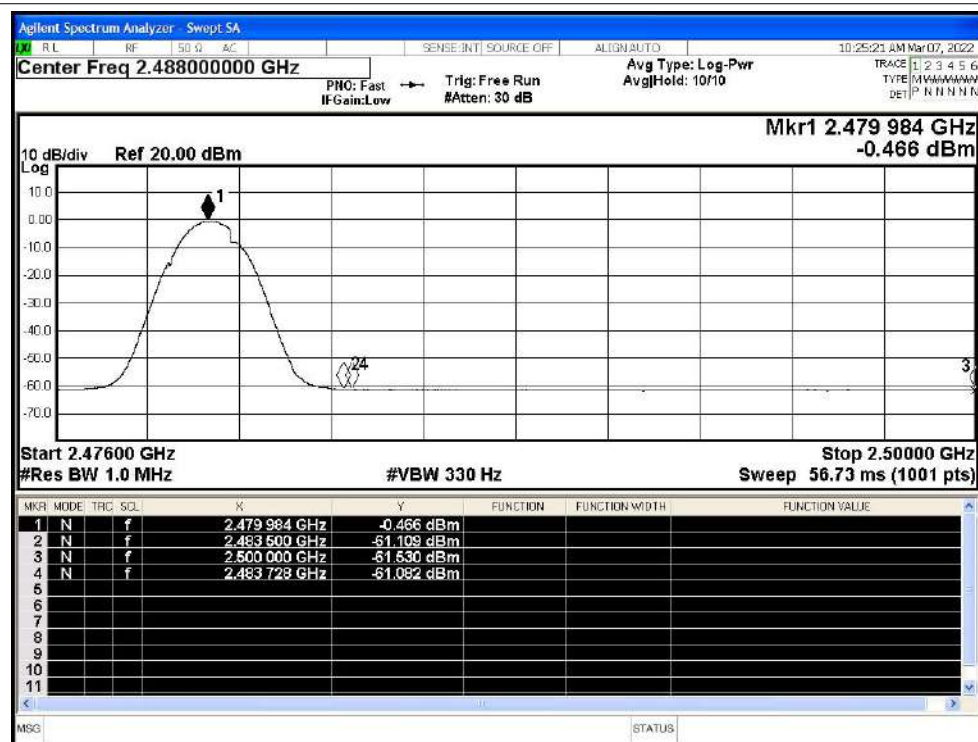




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

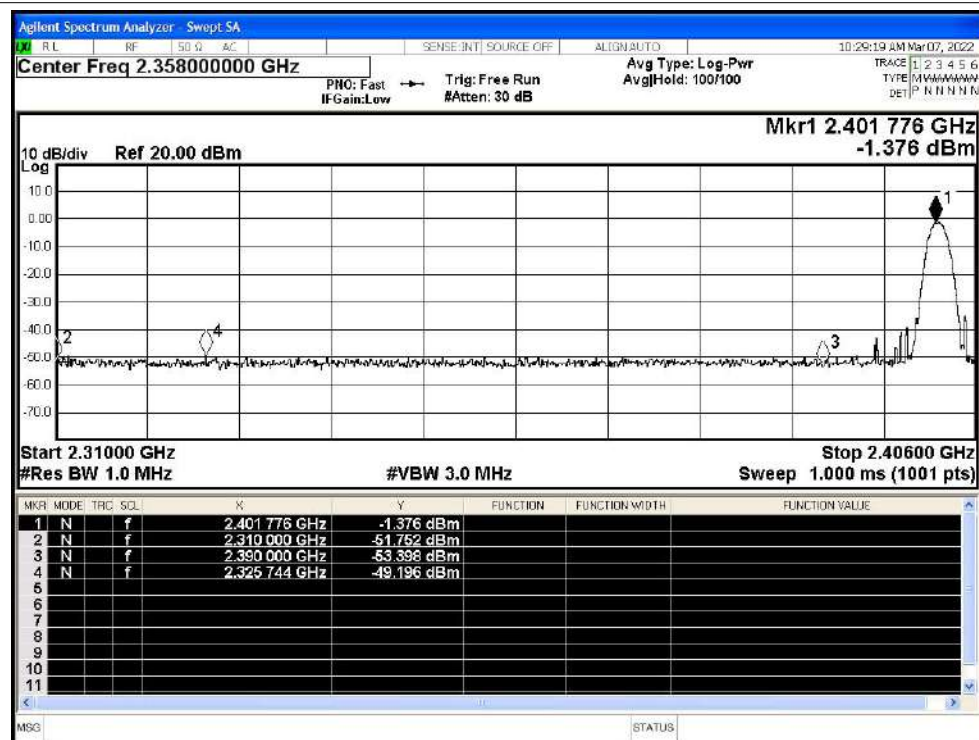


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

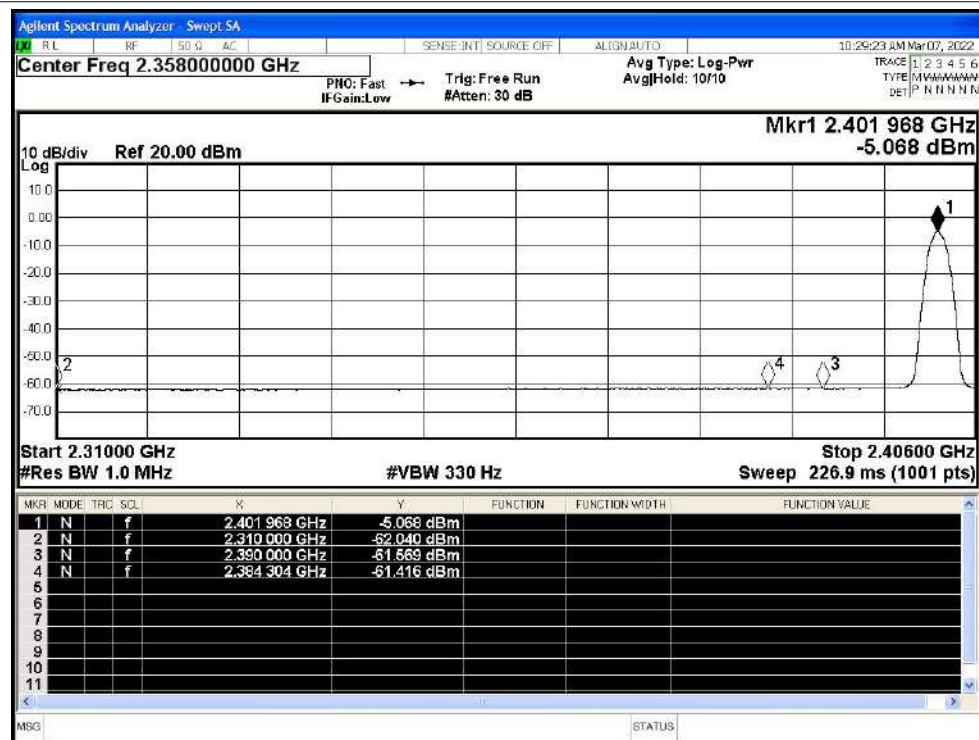




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

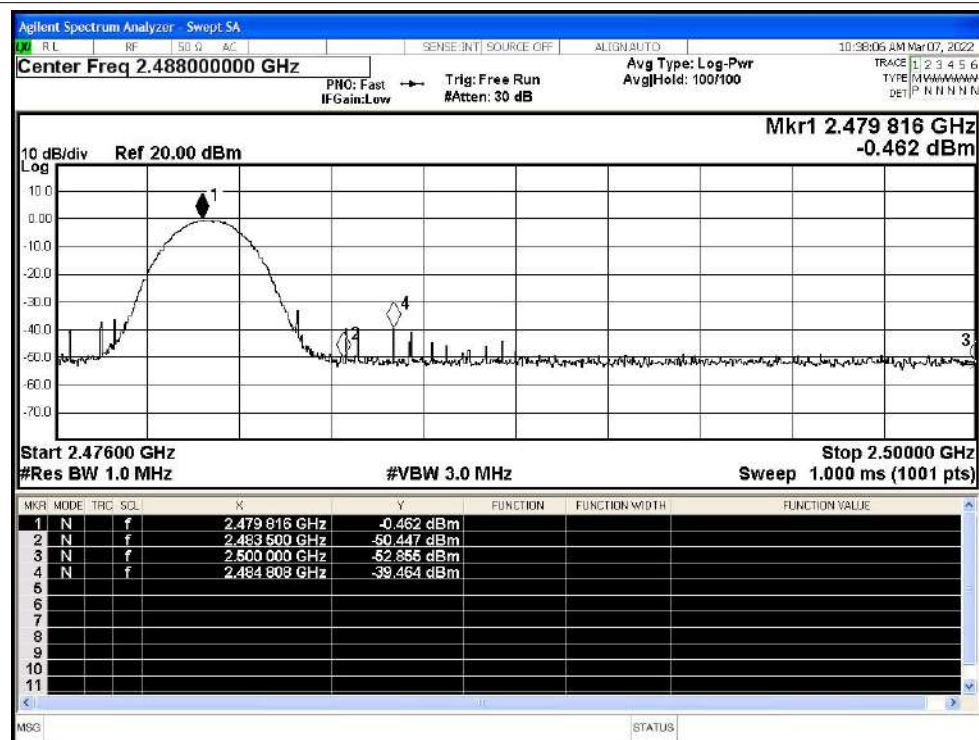


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

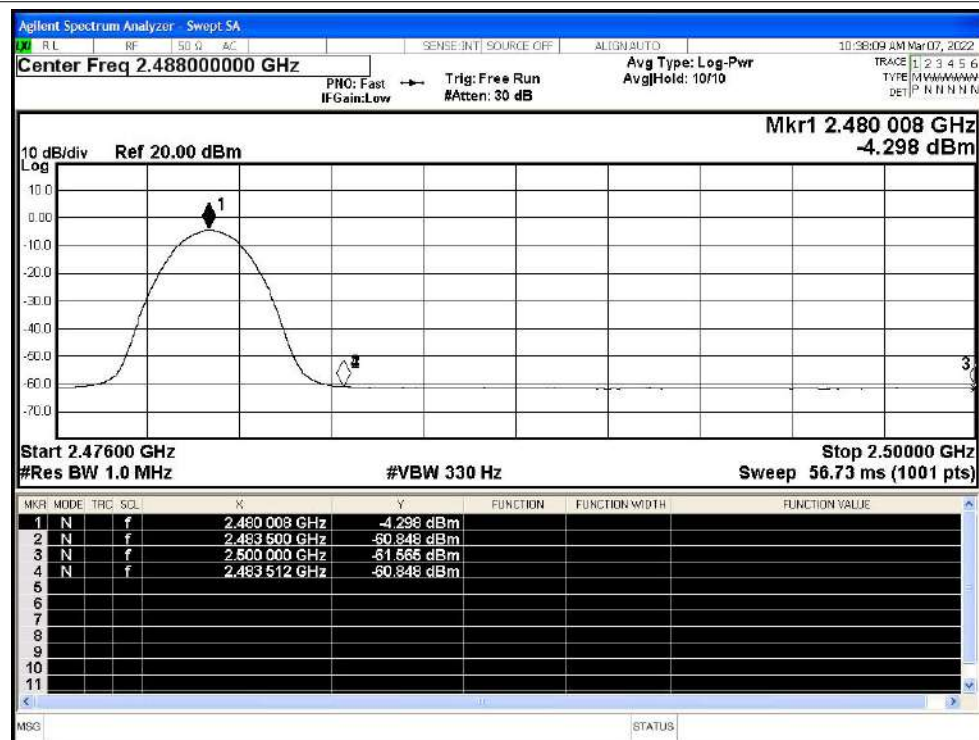




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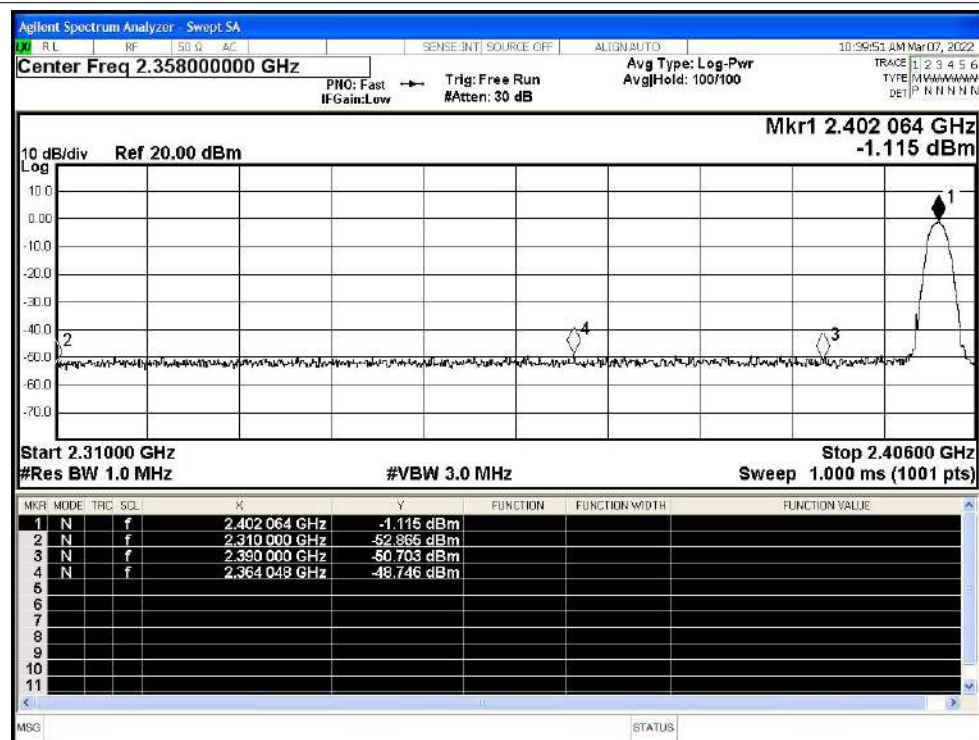


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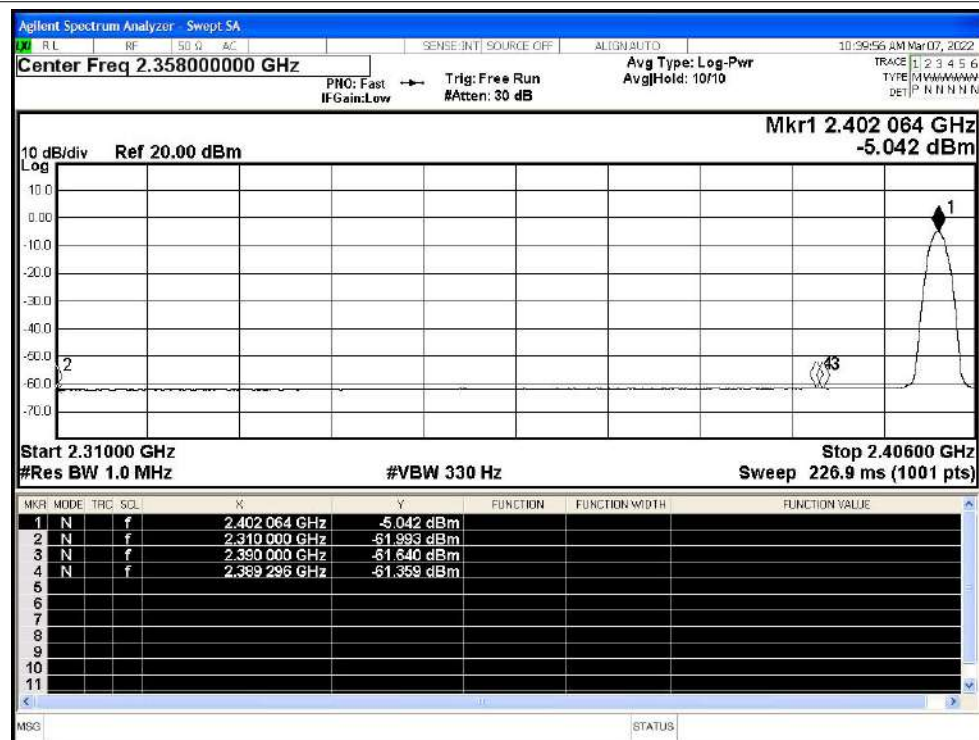




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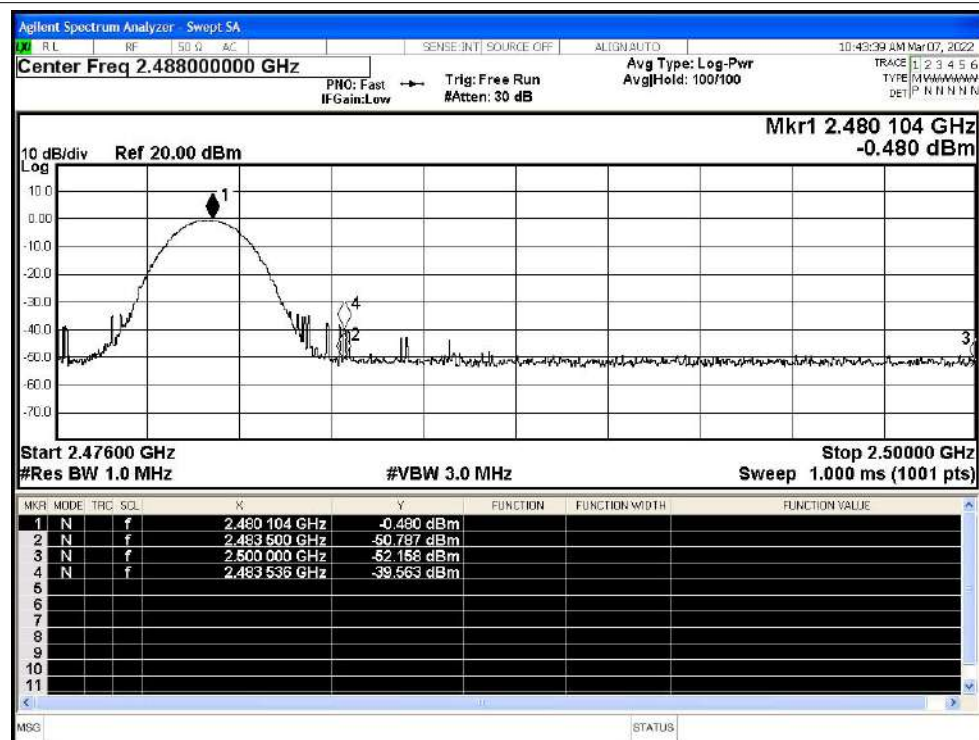


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

