

FCC Appendix RF Test Data for BT

Product Name: AI camera

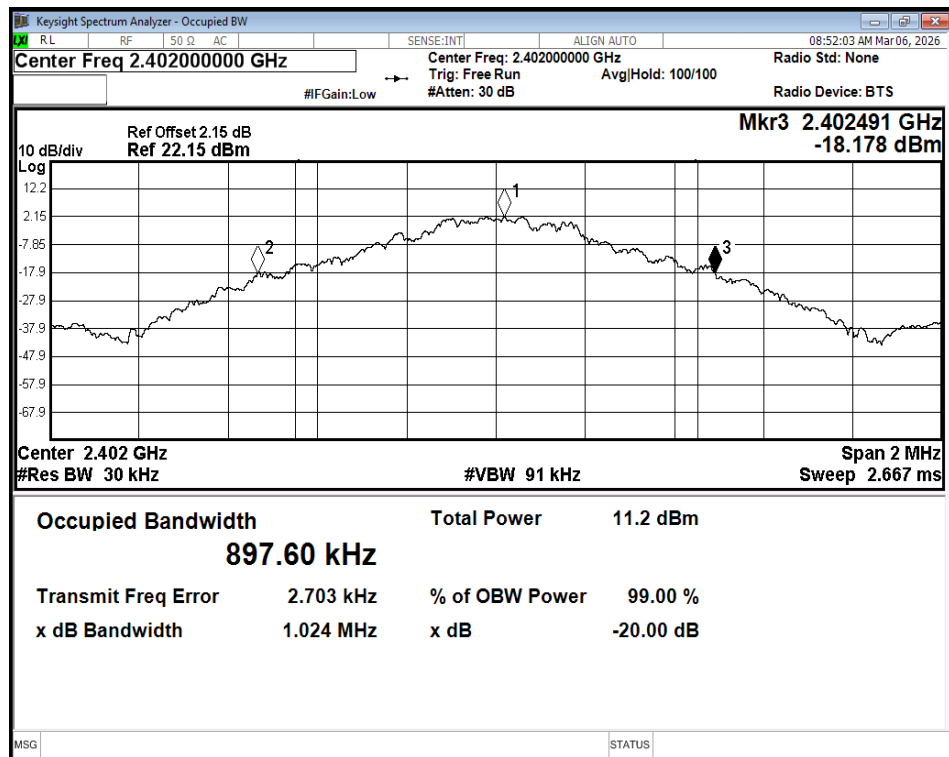
Test Model: K7 max, K8 max

Environmental Conditions

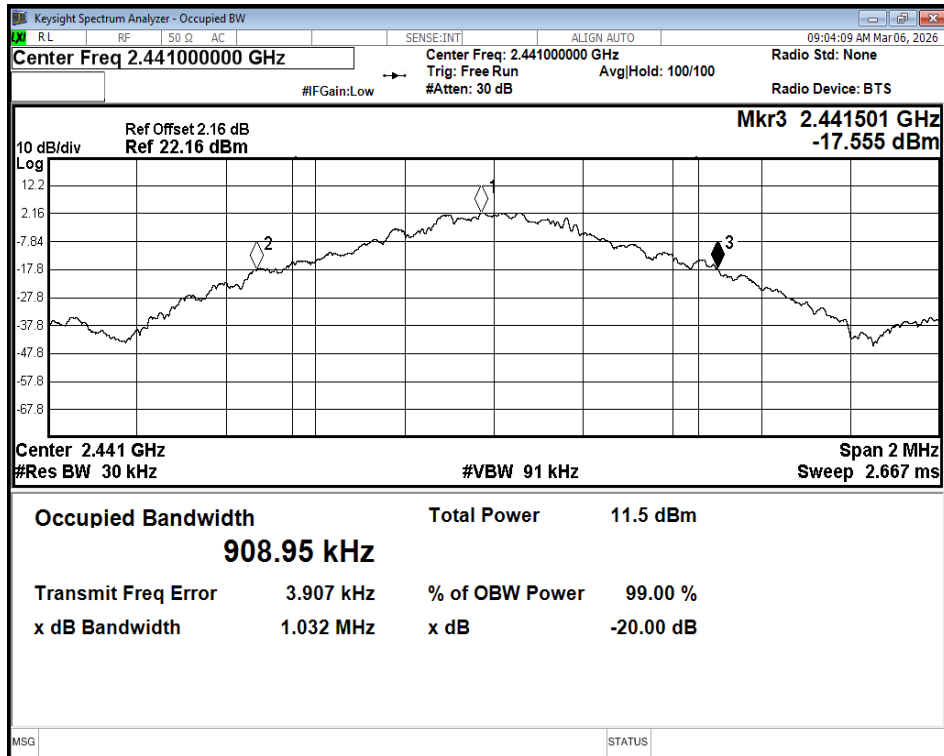
Temperature:	23.4°C
Relative Humidity:	54.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 -20dB Bandwidth

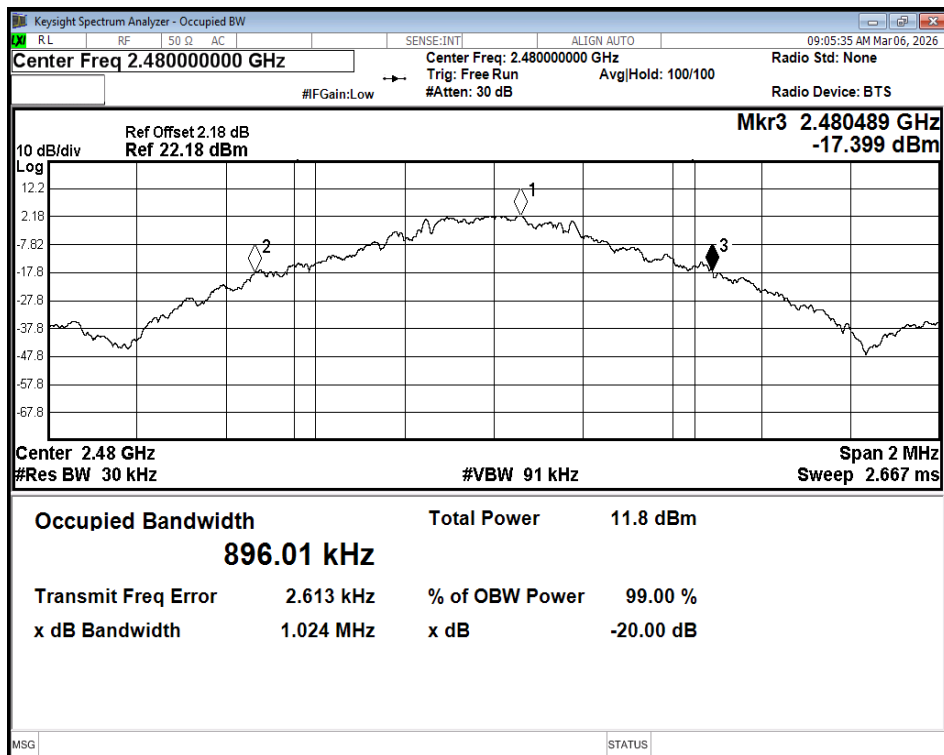
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.024	0	Pass
NVNT	1-DH5	2441	Ant1	1.032	0	Pass
NVNT	1-DH5	2480	Ant1	1.024	0	Pass
NVNT	2-DH5	2402	Ant1	1.283	0	Pass
NVNT	2-DH5	2441	Ant1	1.284	0	Pass
NVNT	2-DH5	2480	Ant1	1.298	0	Pass
NVNT	3-DH5	2402	Ant1	1.304	0	Pass
NVNT	3-DH5	2441	Ant1	1.292	0	Pass
NVNT	3-DH5	2480	Ant1	1.295	0	Pass



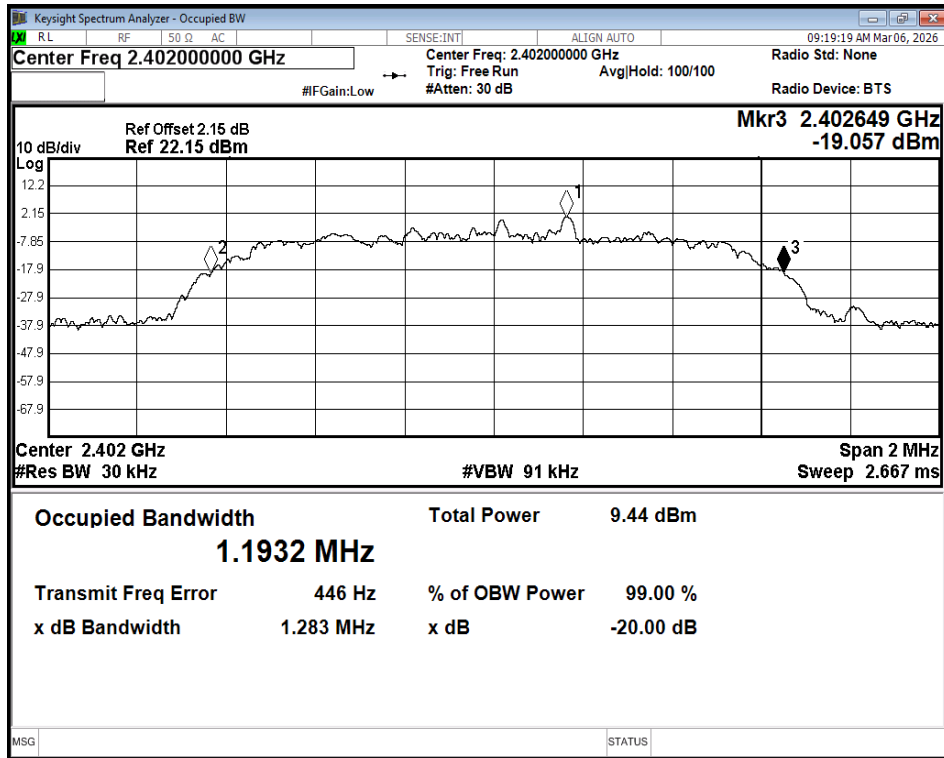
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



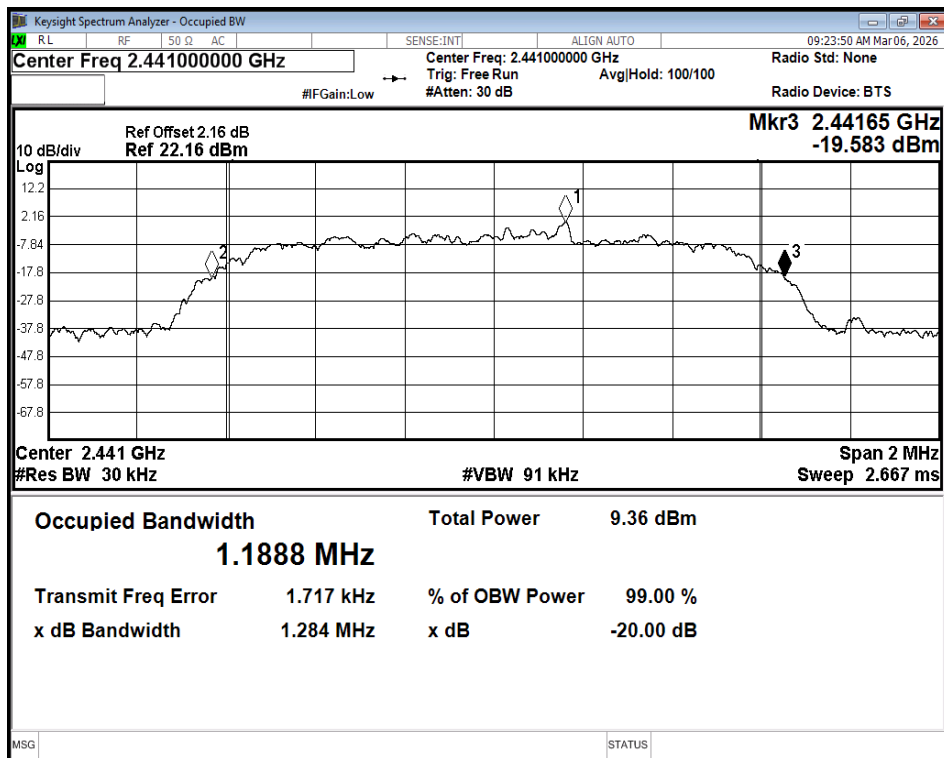
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



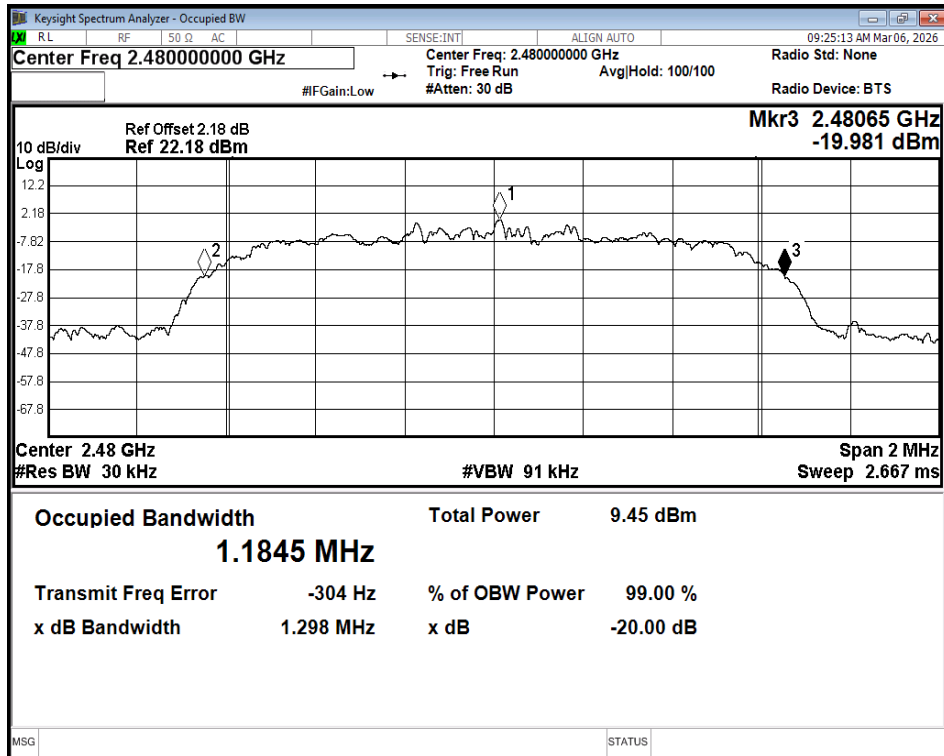
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



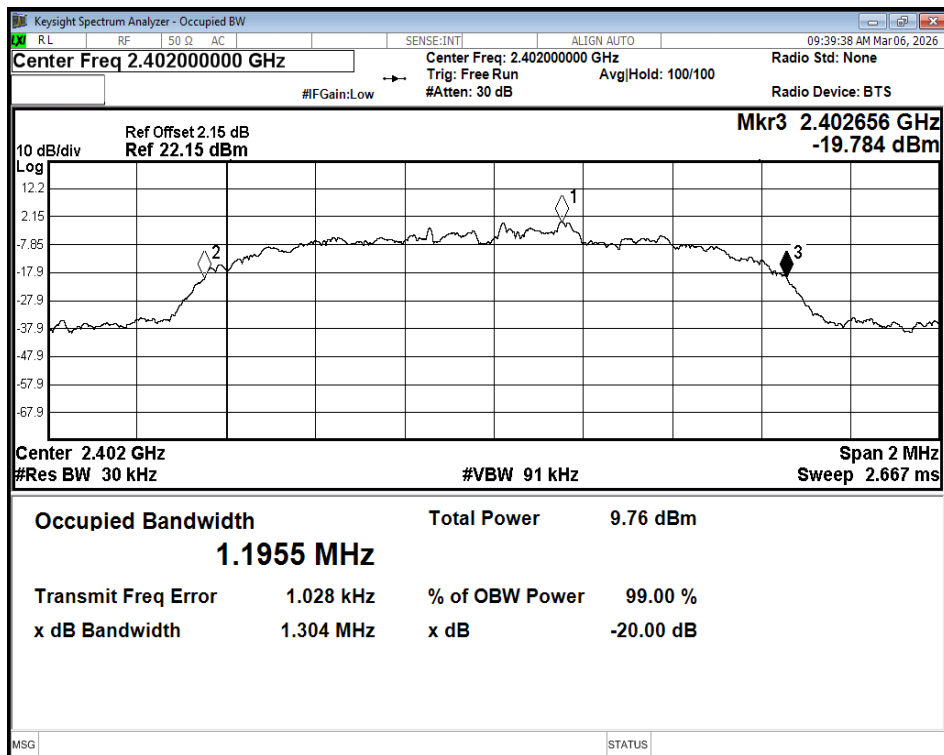
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



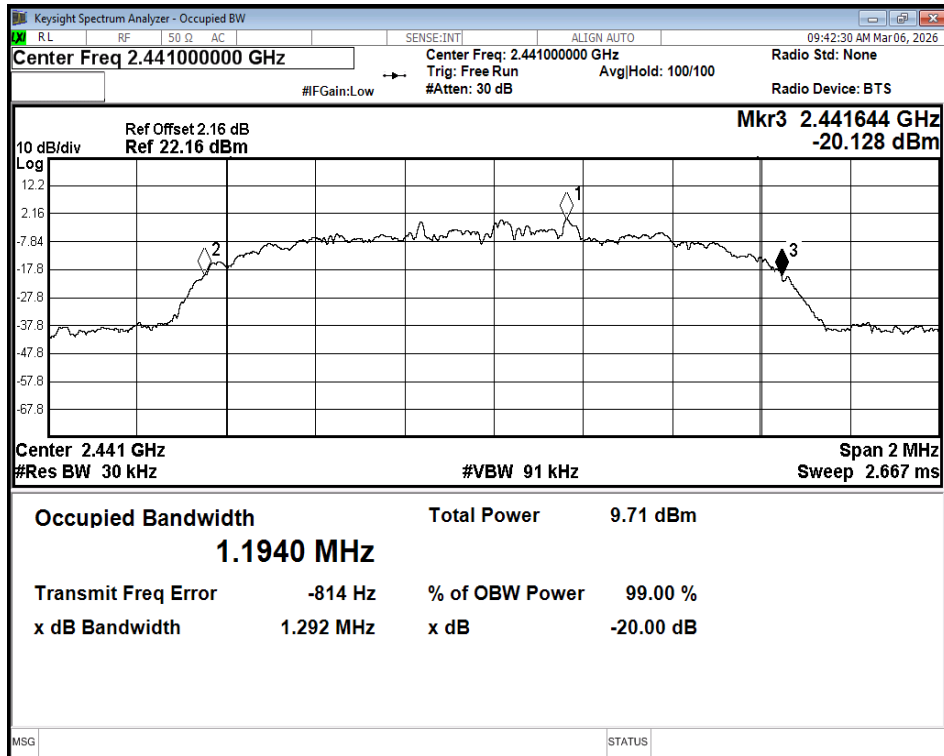
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



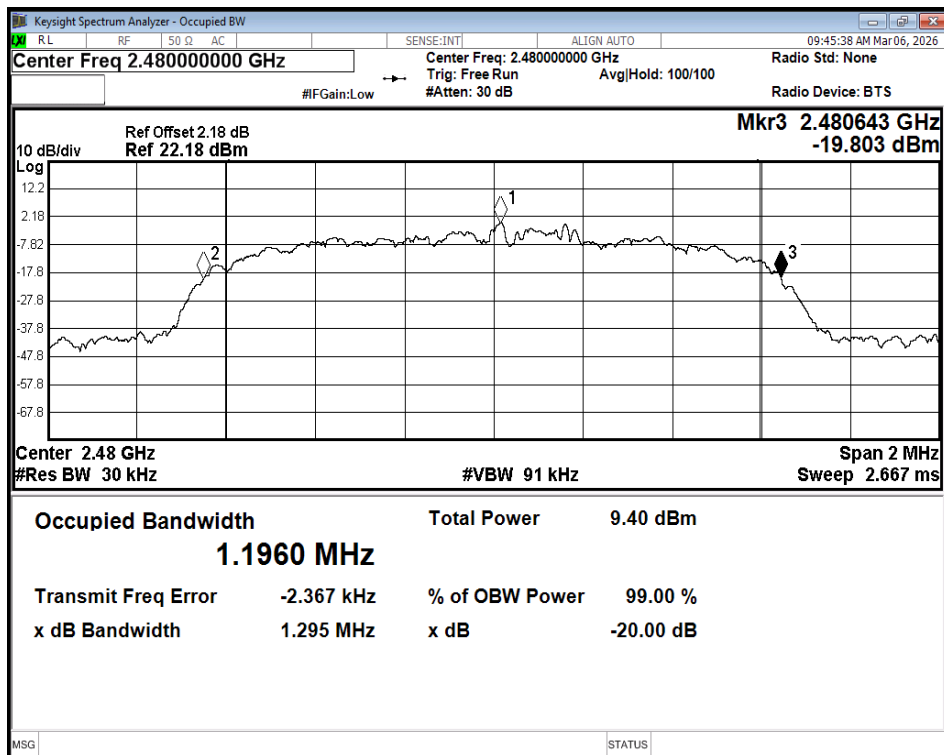
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



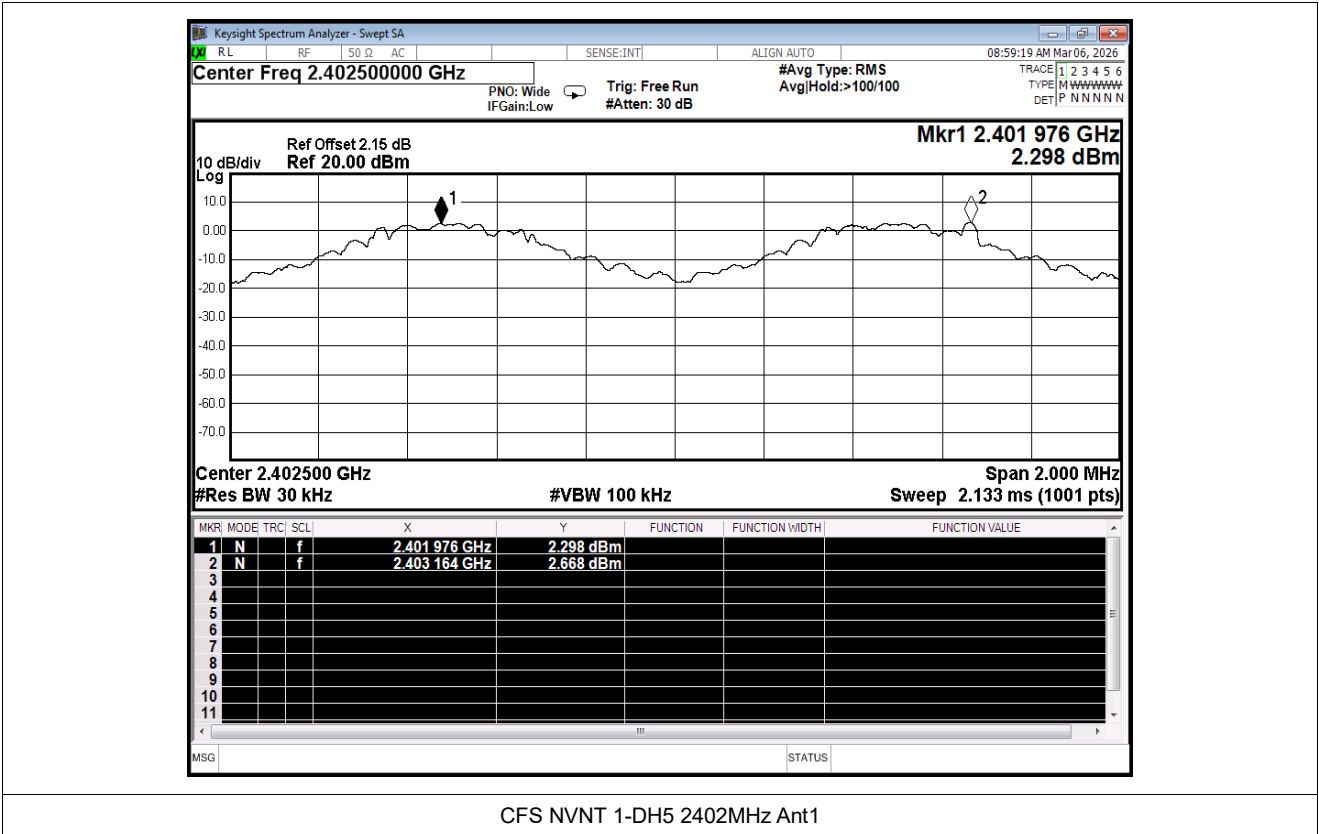
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

2 Maximum Peak Conducted Output Power

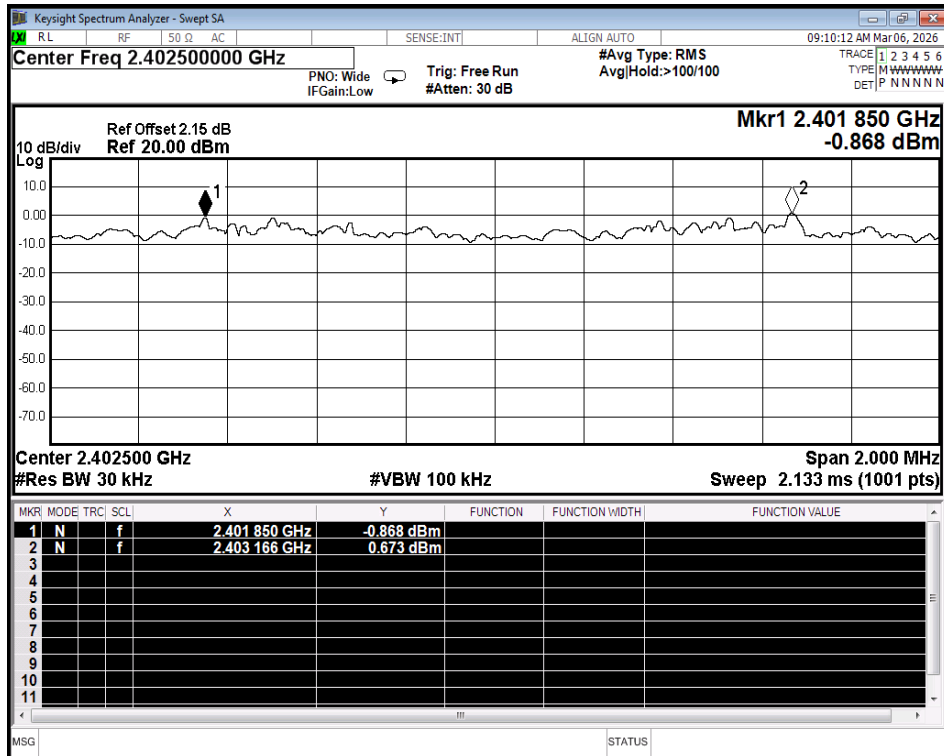
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	4.93	30	Pass
NVNT	1-DH5	2441	Ant1	5.28	30	Pass
NVNT	1-DH5	2480	Ant1	5.42	30	Pass
NVNT	2-DH5	2402	Ant1	4.35	30	Pass
NVNT	2-DH5	2441	Ant1	4.58	30	Pass
NVNT	2-DH5	2480	Ant1	4.68	30	Pass
NVNT	3-DH5	2402	Ant1	4.43	30	Pass
NVNT	3-DH5	2441	Ant1	4.66	30	Pass
NVNT	3-DH5	2480	Ant1	4.71	30	Pass

3 Carrier Frequencies Separation

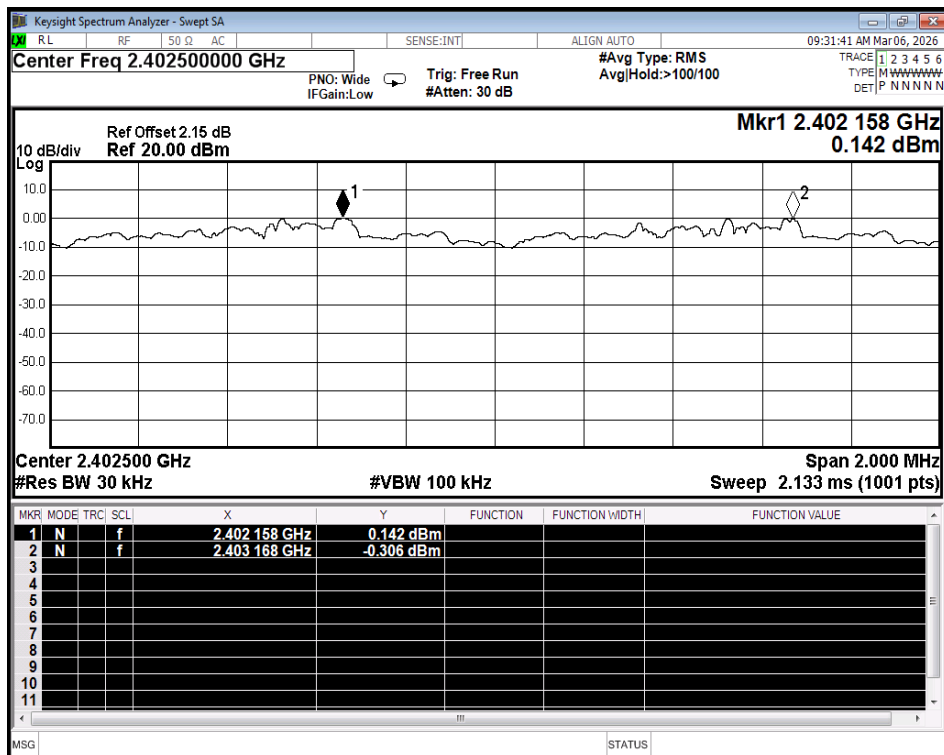
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.976	2403.164	1.188	0.683	Pass
NVNT	2-DH5	Ant1	2401.85	2403.166	1.316	0.868	Pass
NVNT	3-DH5	Ant1	2402.158	2403.168	1.01	0.871	Pass



CFS NVNT 1-DH5 2402MHz Ant1



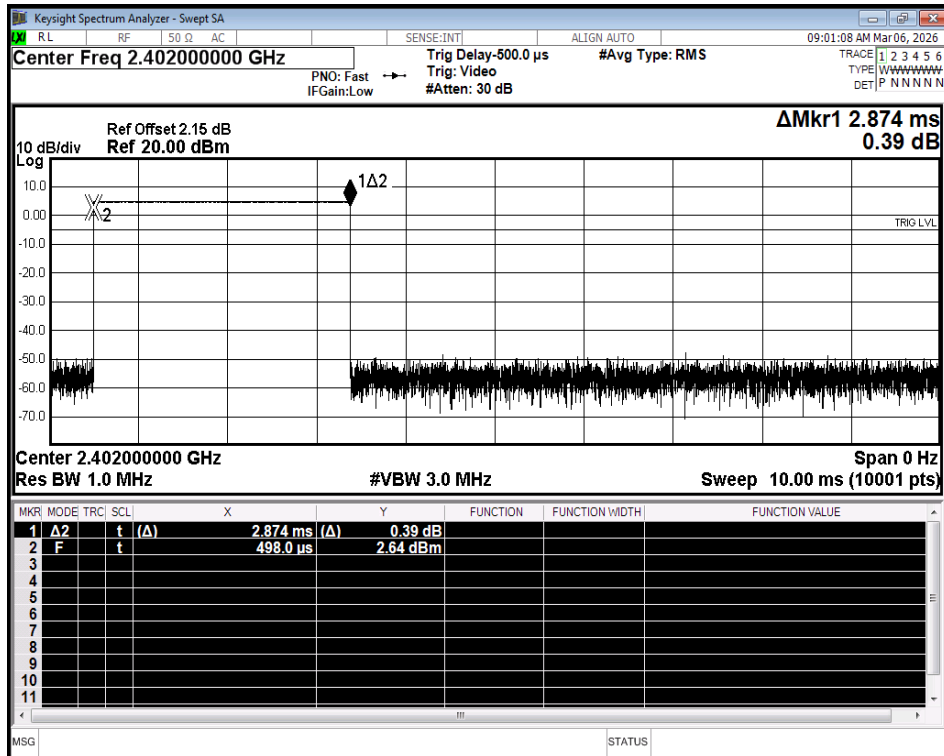
CFS NVNT 2-DH5 2402MHz Ant1



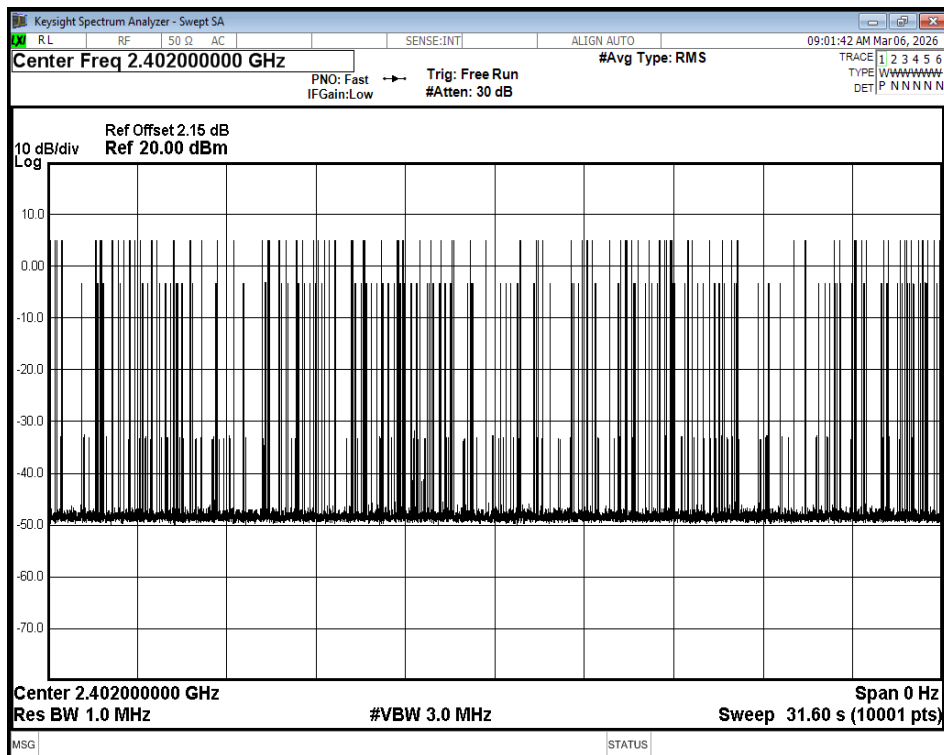
CFS NVNT 3-DH5 2402MHz Ant1

4 Dwell Time

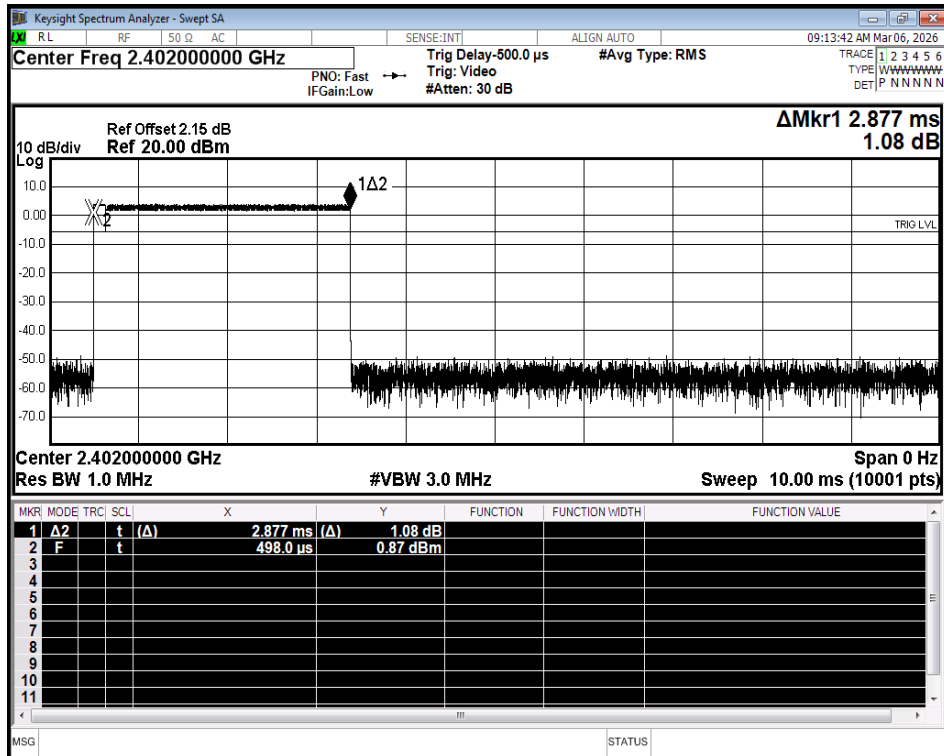
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.874	296.022	103	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.877	325.101	113	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.876	299.104	104	31600	400	Pass



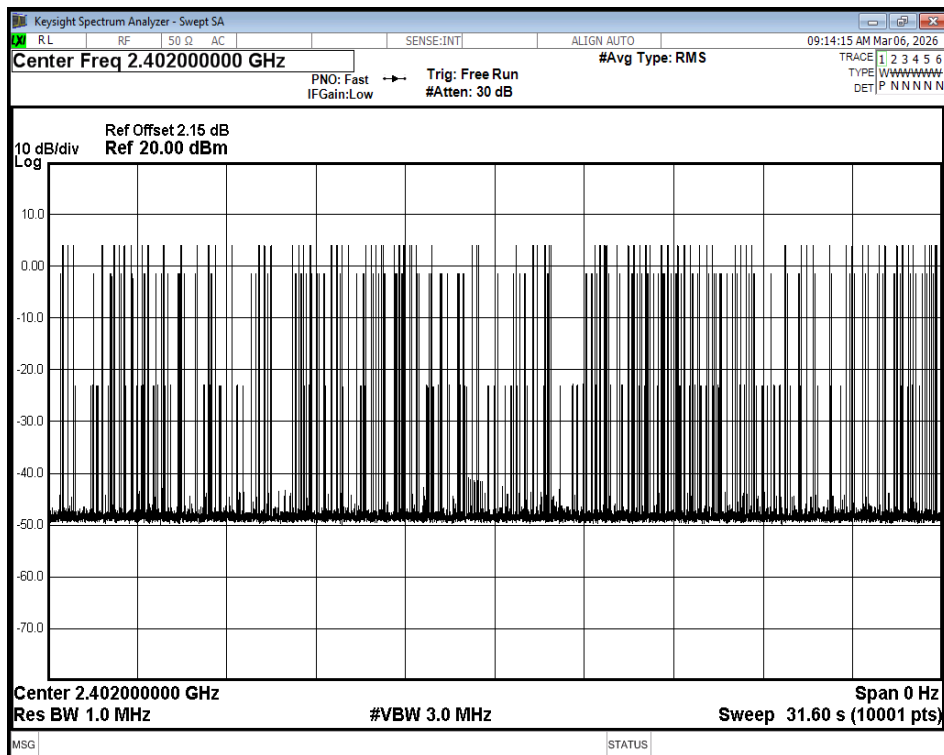
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



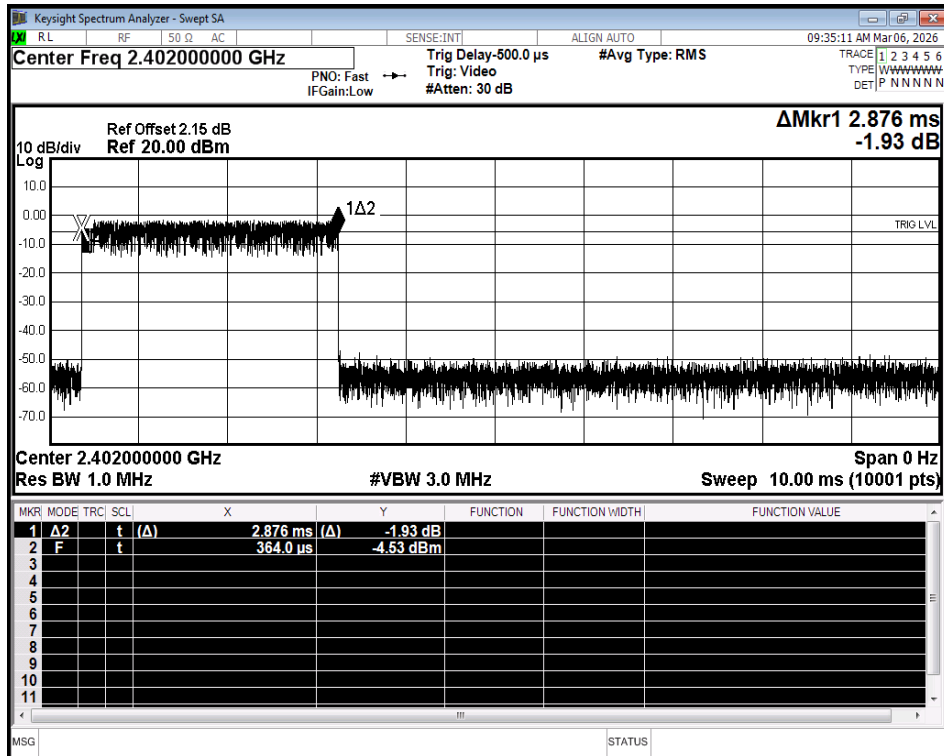
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



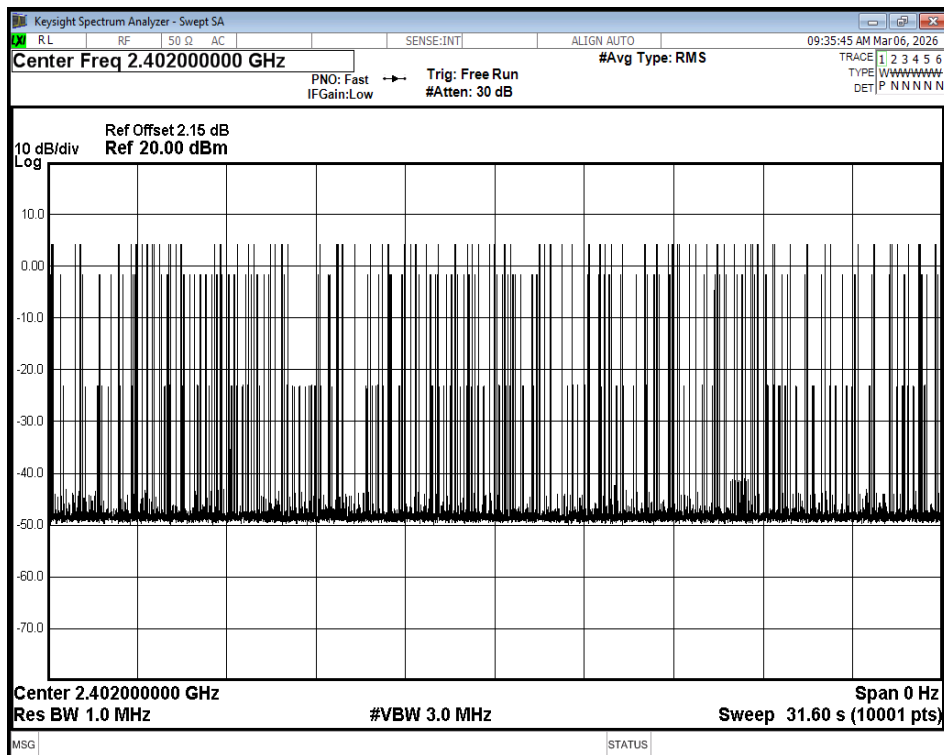
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



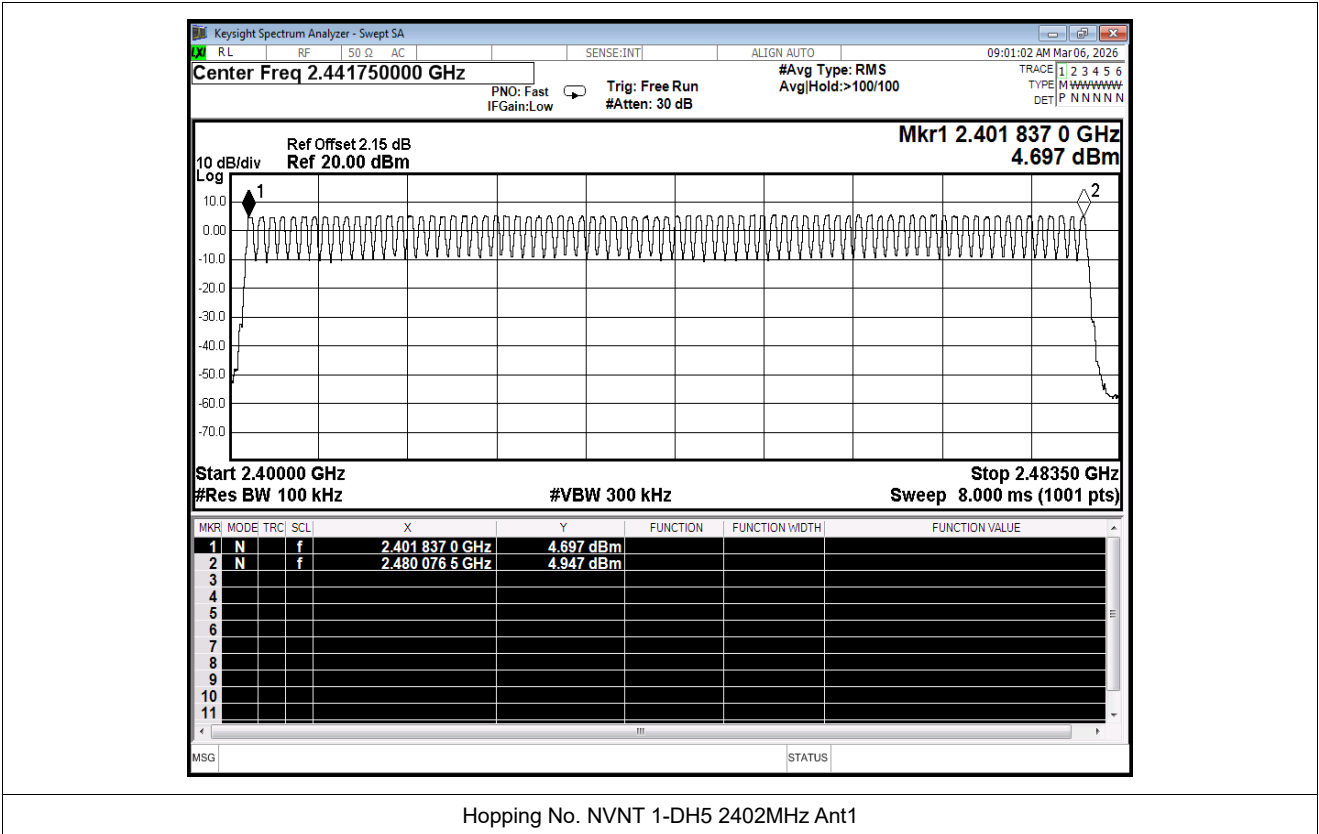
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



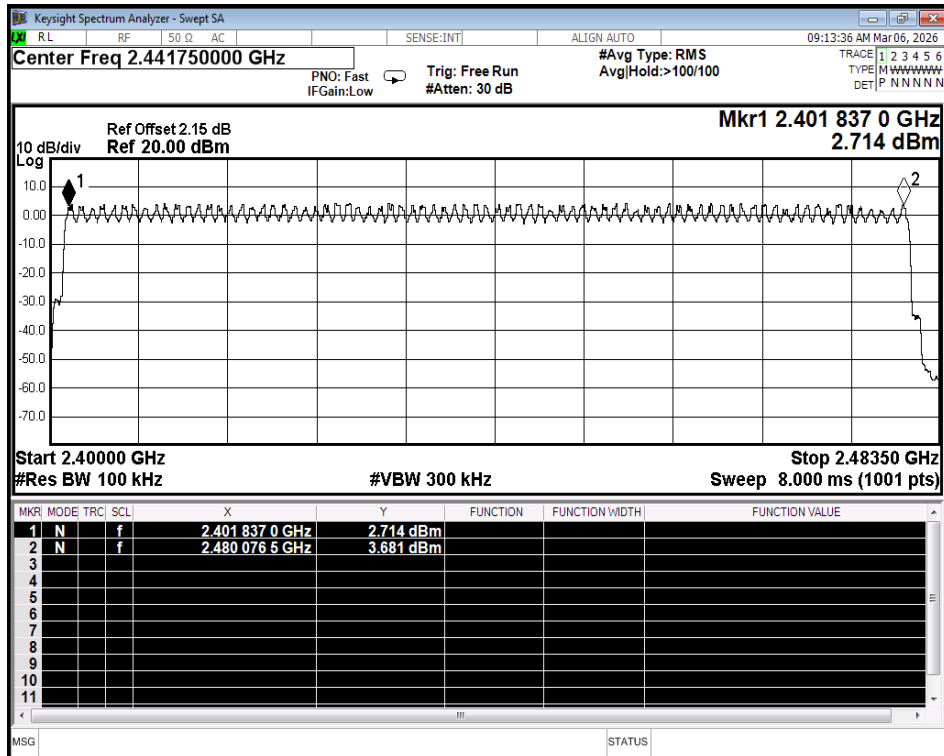
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

5 Number of Hopping Channel

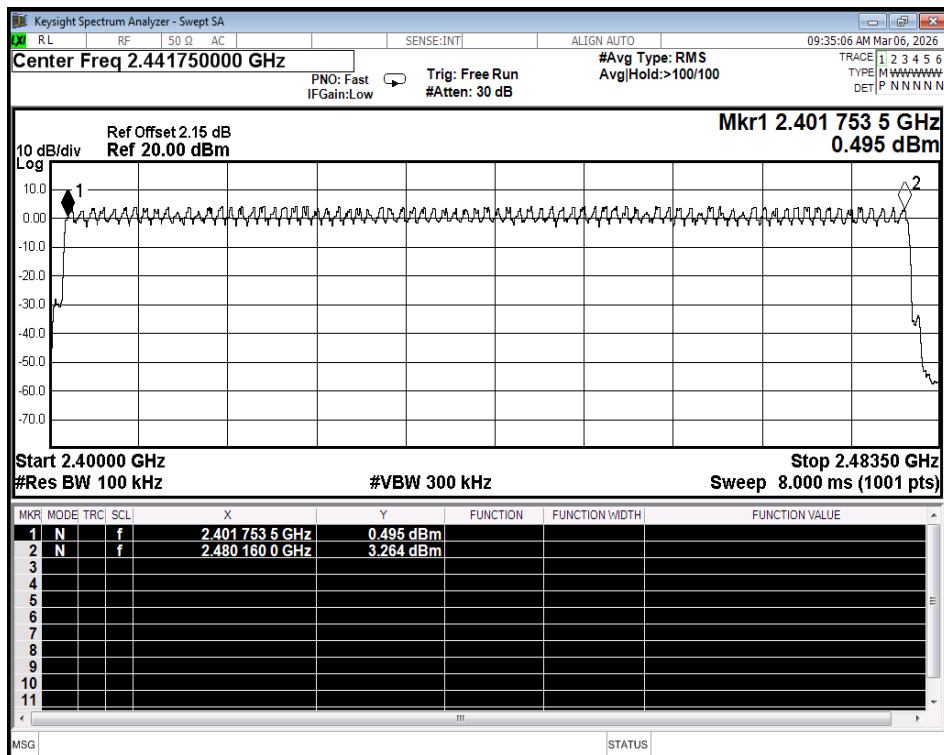
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



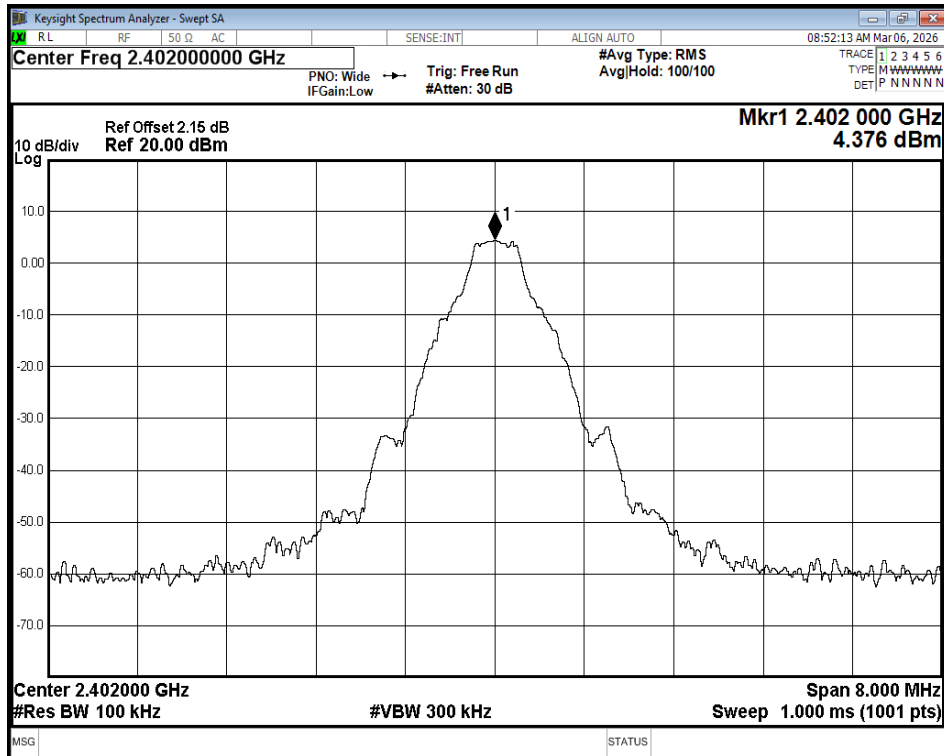
Hopping No. NVNT 2-DH5 2402MHz Ant1



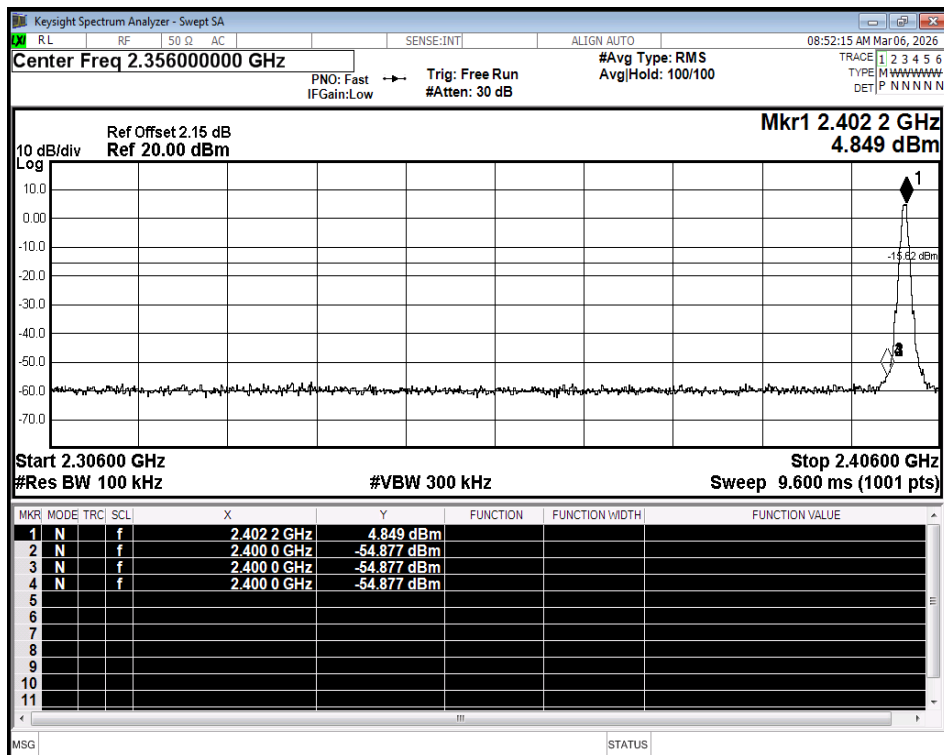
Hopping No. NVNT 3-DH5 2402MHz Ant1

6 Band Edge

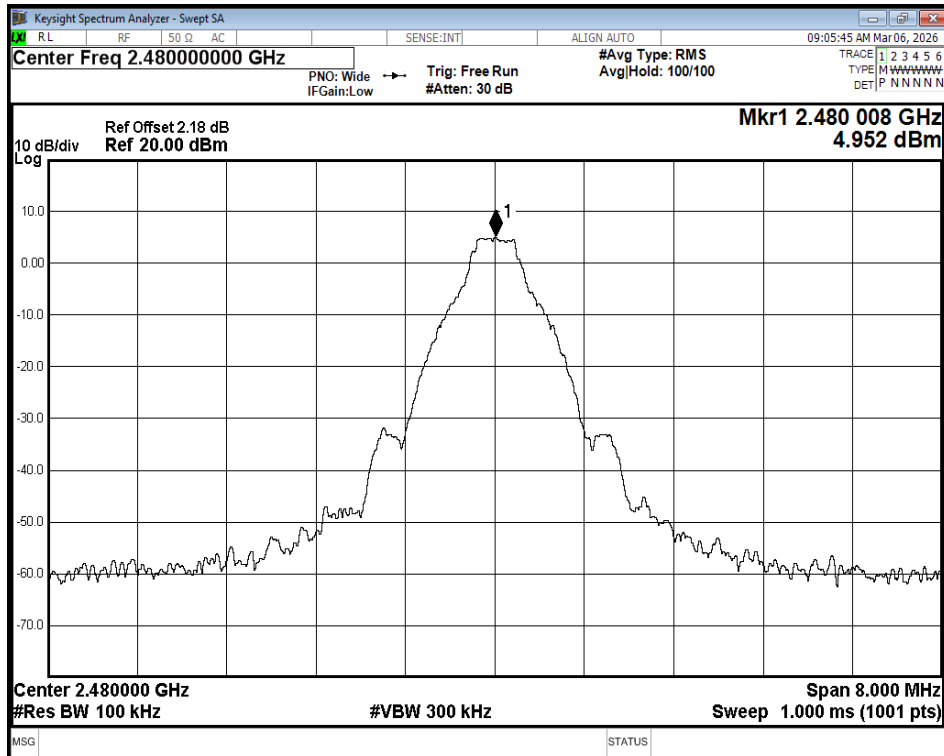
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-59.25	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-62.33	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-56.27	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.12	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.22	-20	Pass



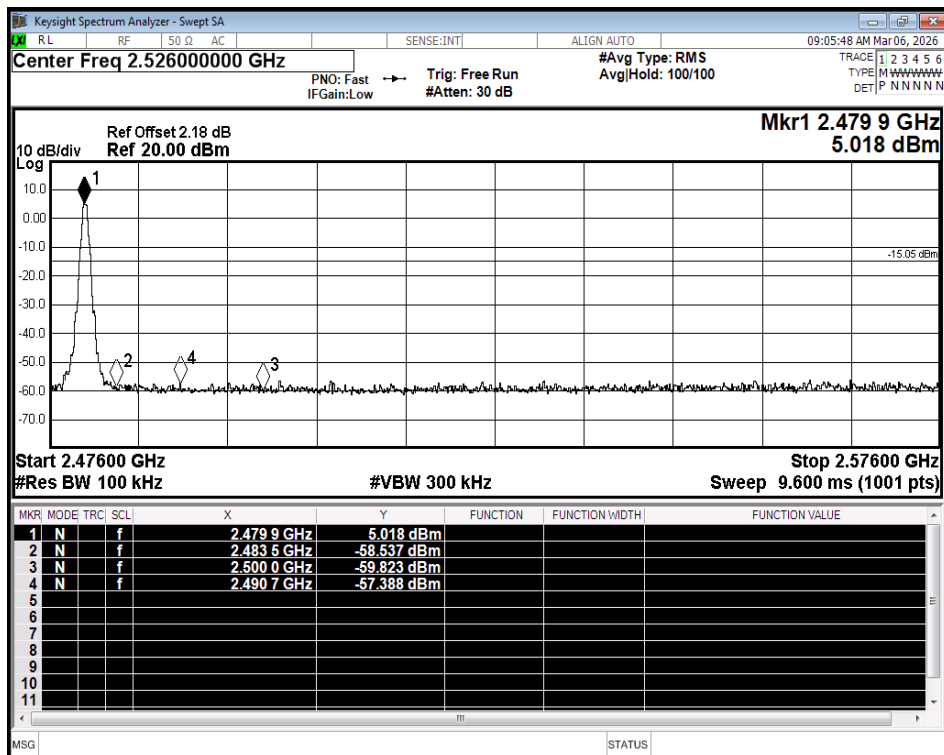
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



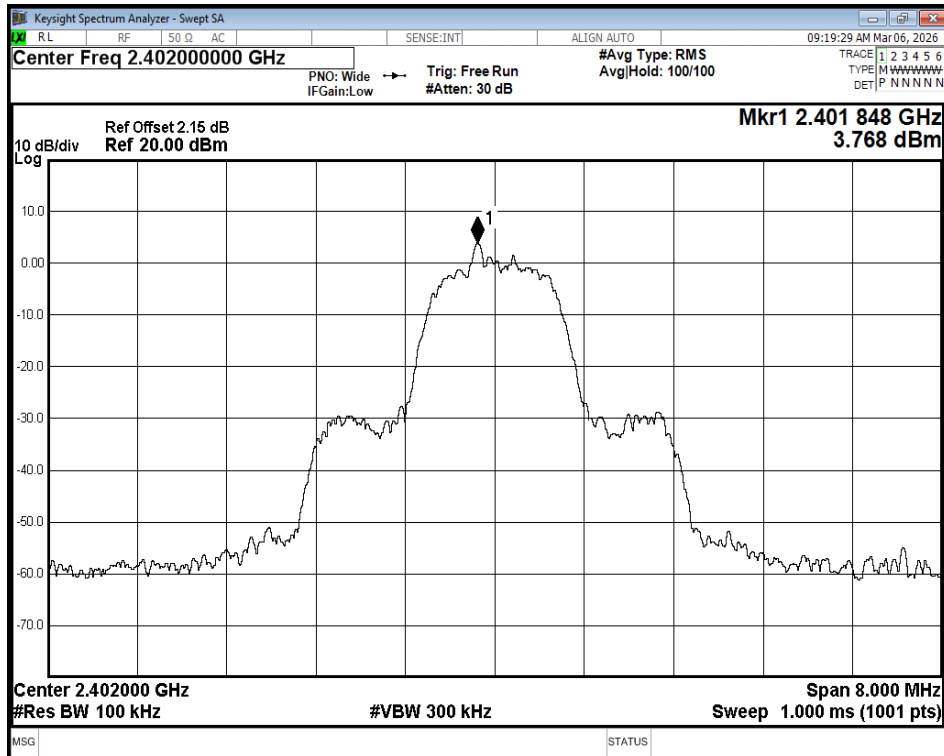
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



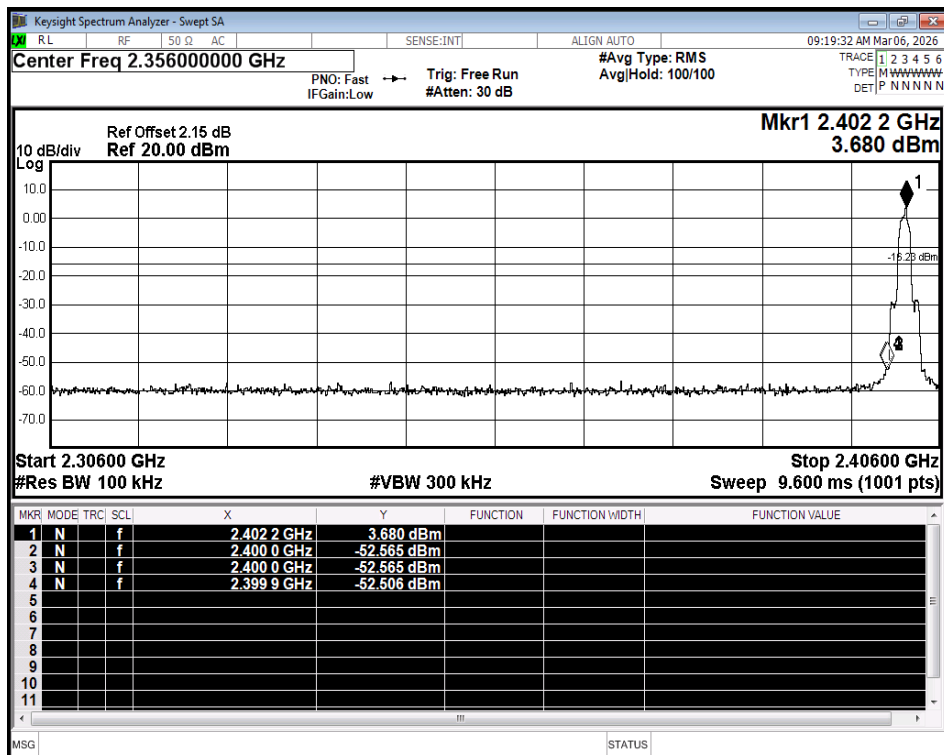
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



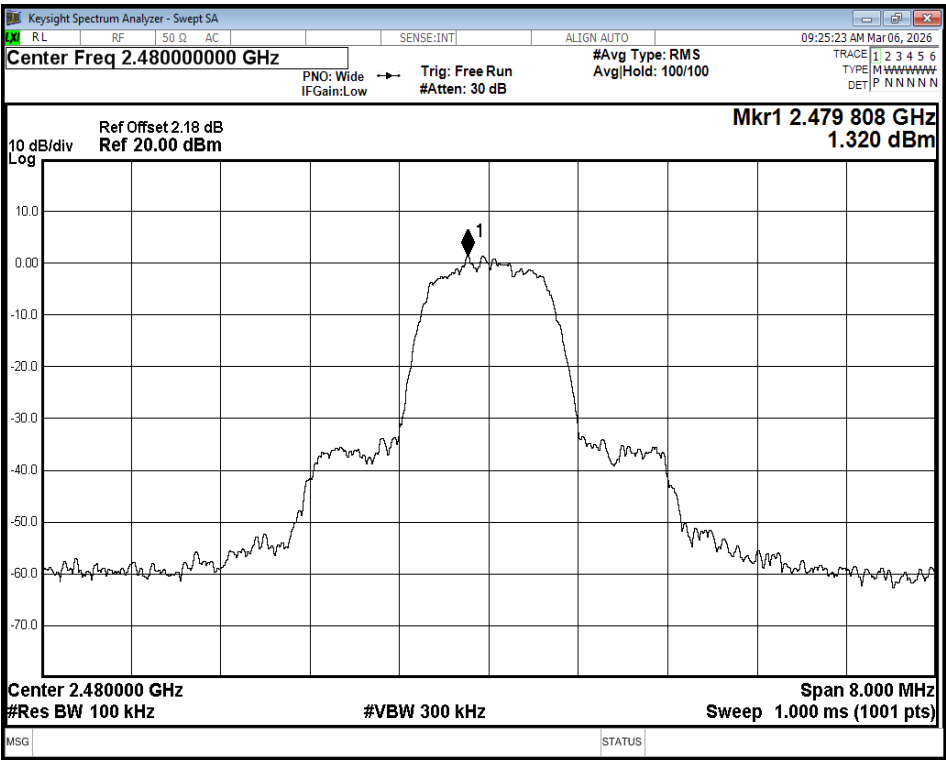
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



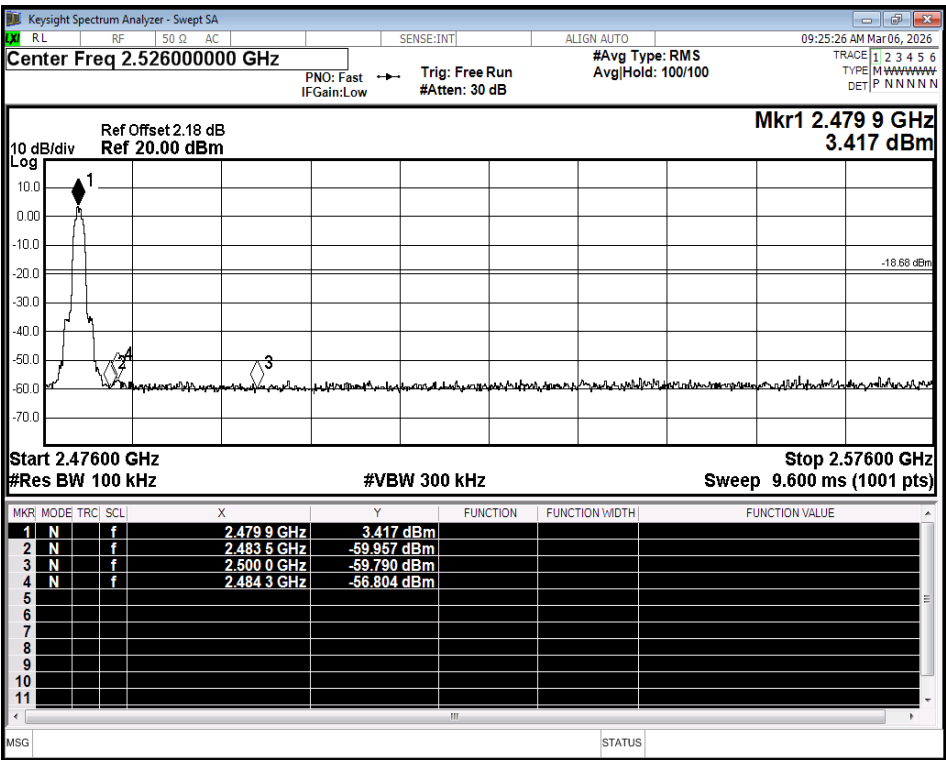
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



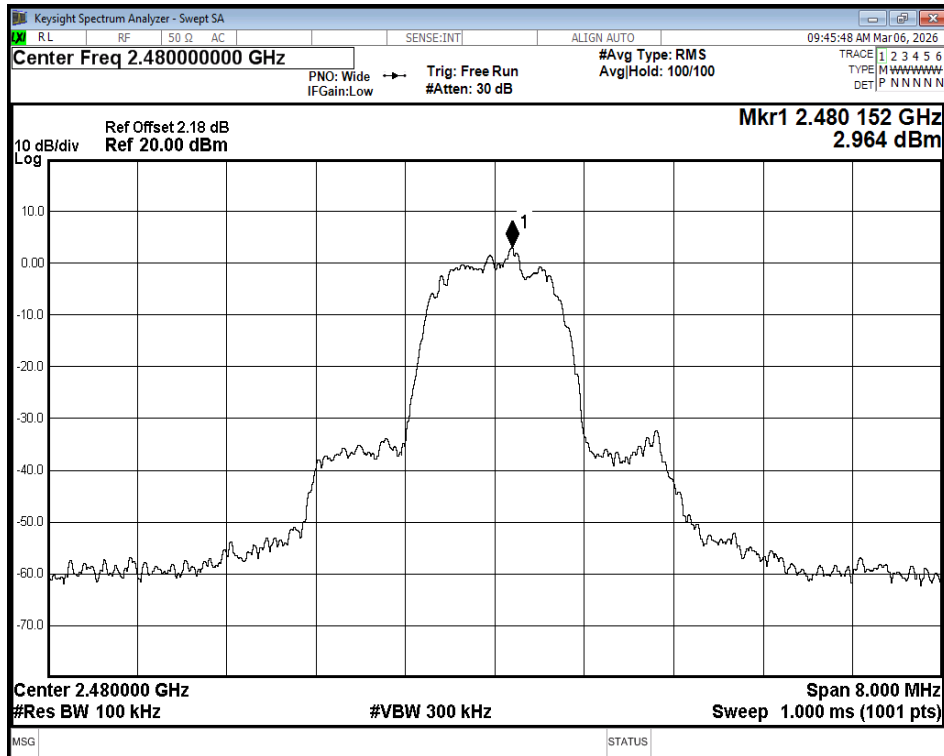
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



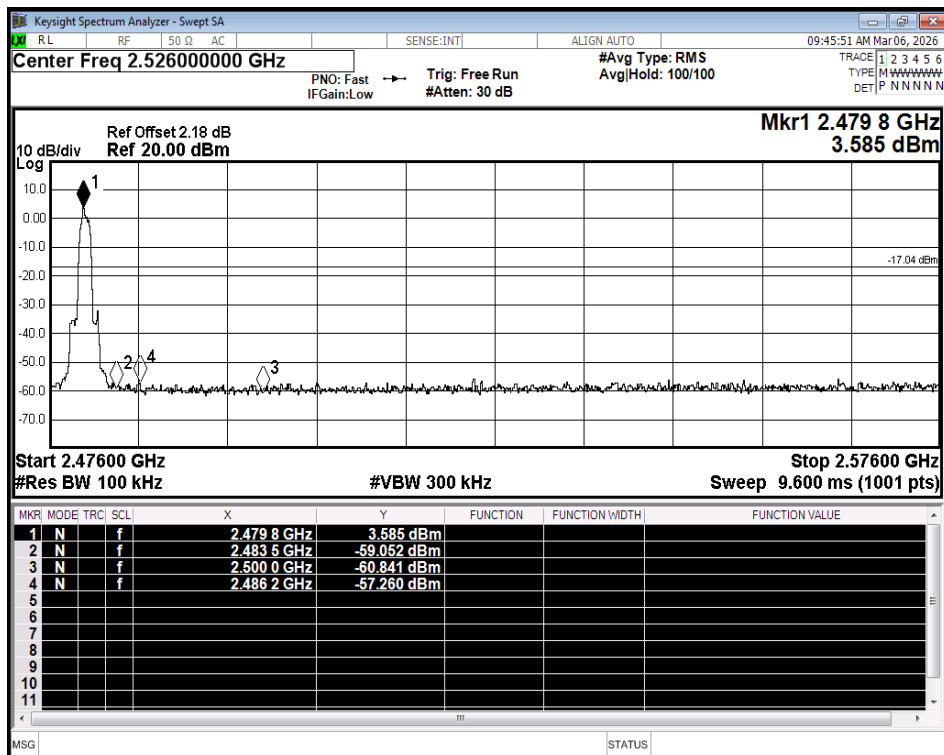
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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



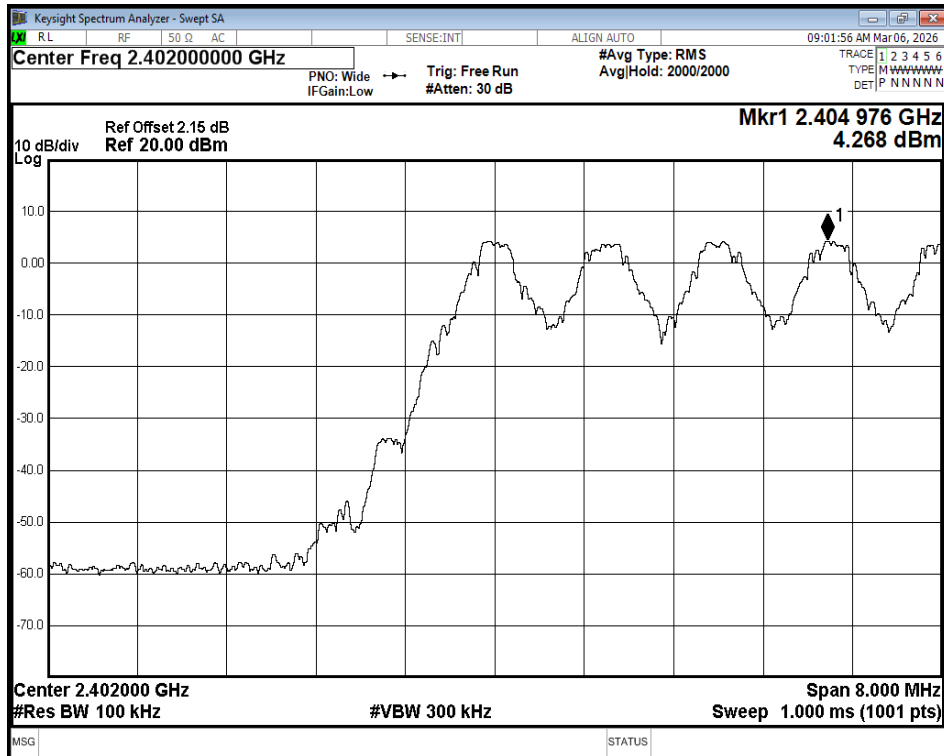
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



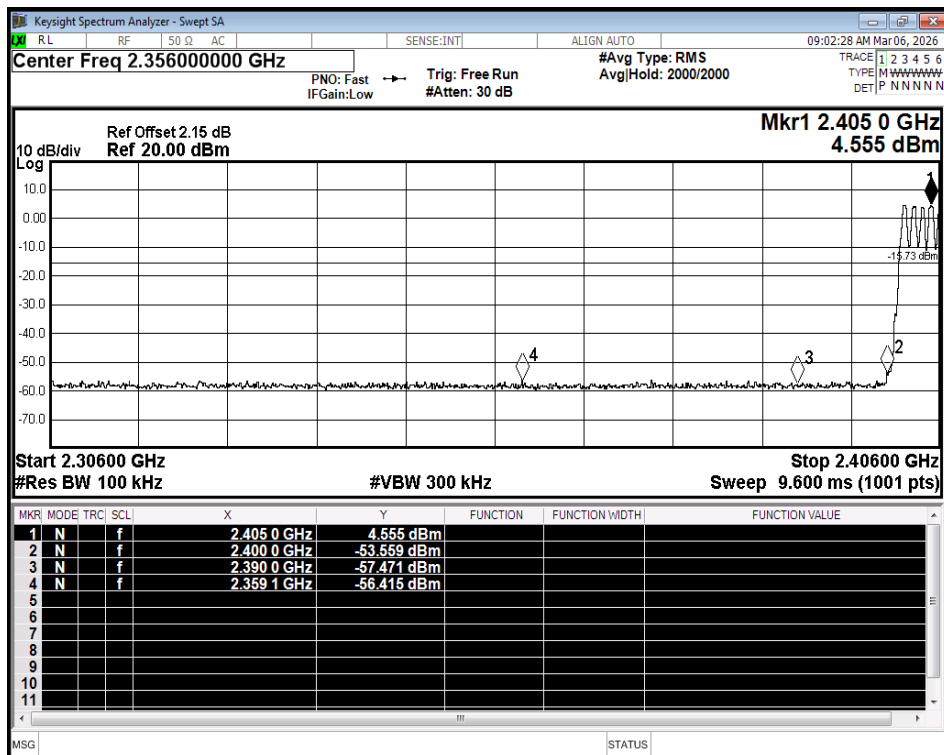
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

(Hopping)

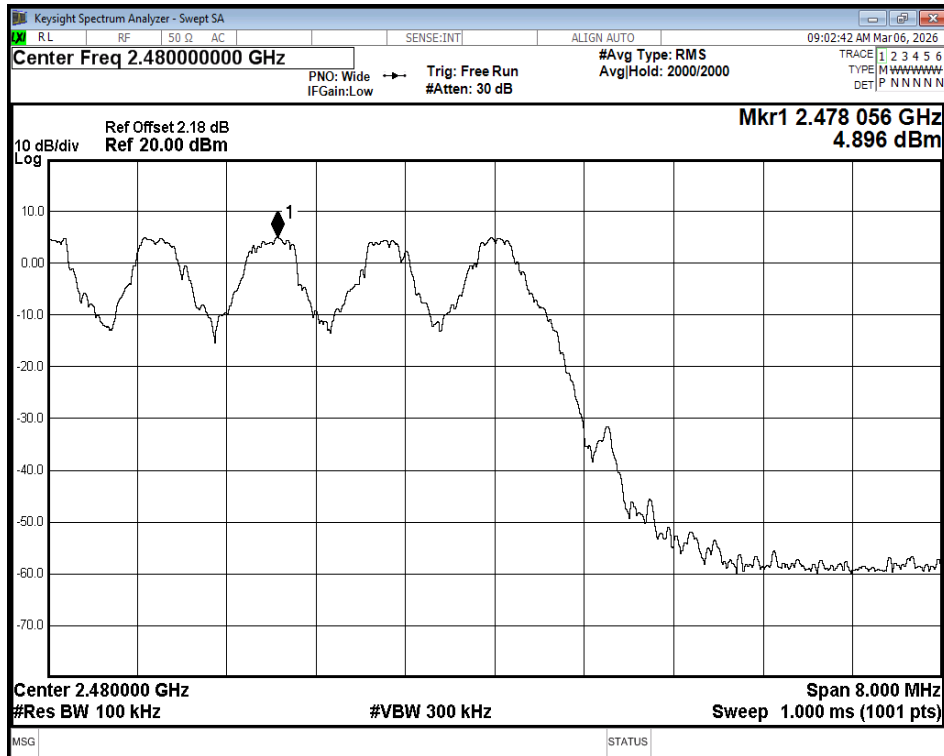
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-60.68	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-61.7	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-58.23	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.01	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-60.07	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-60.29	-20	Pass



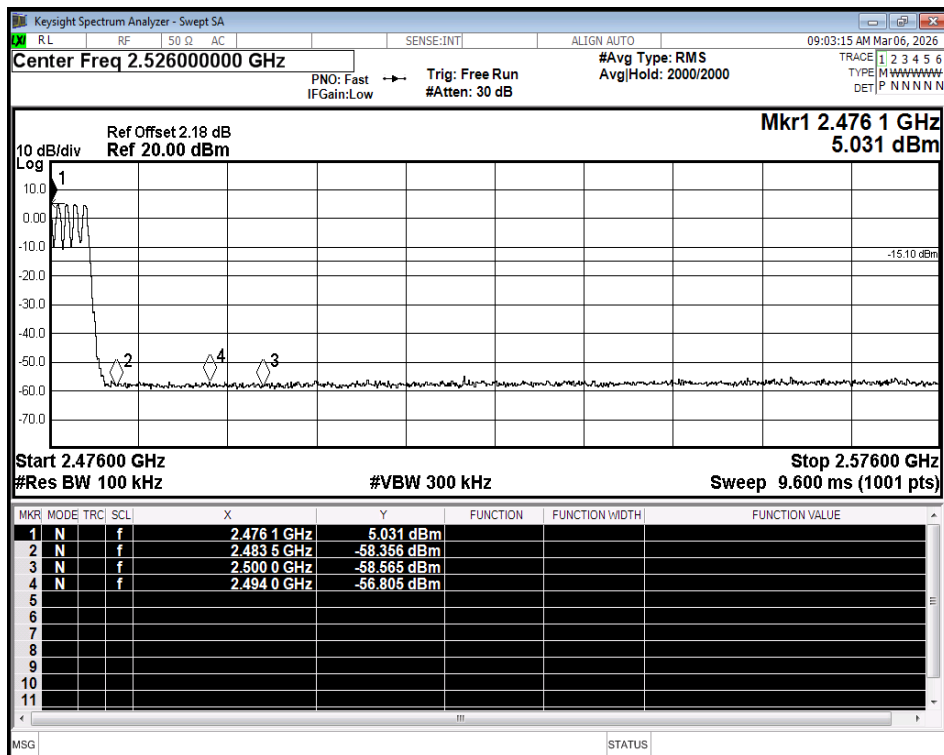
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



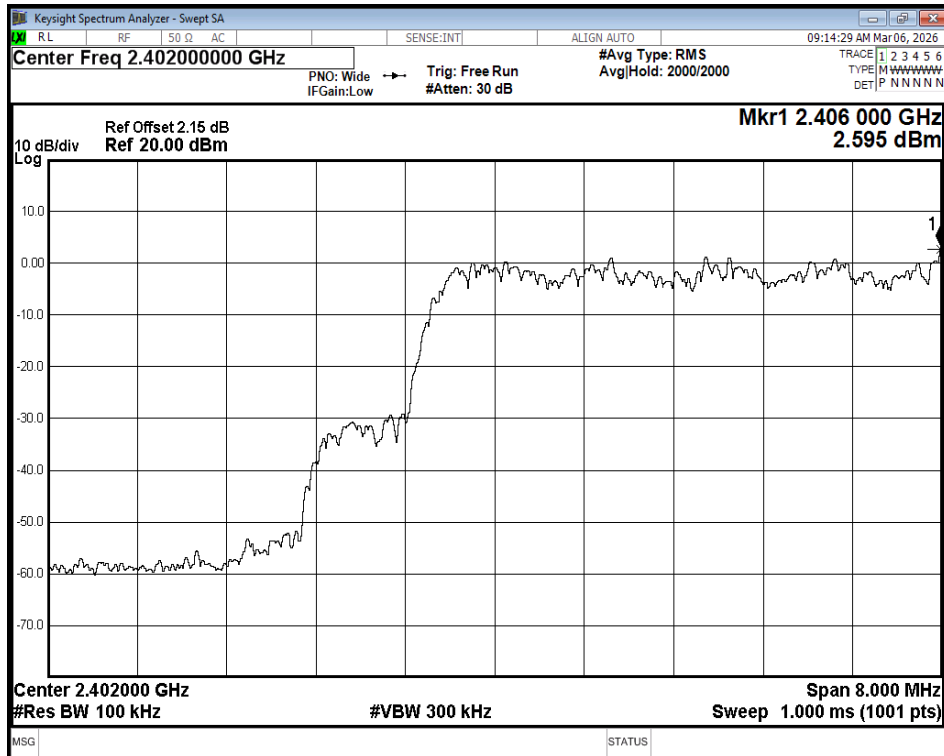
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



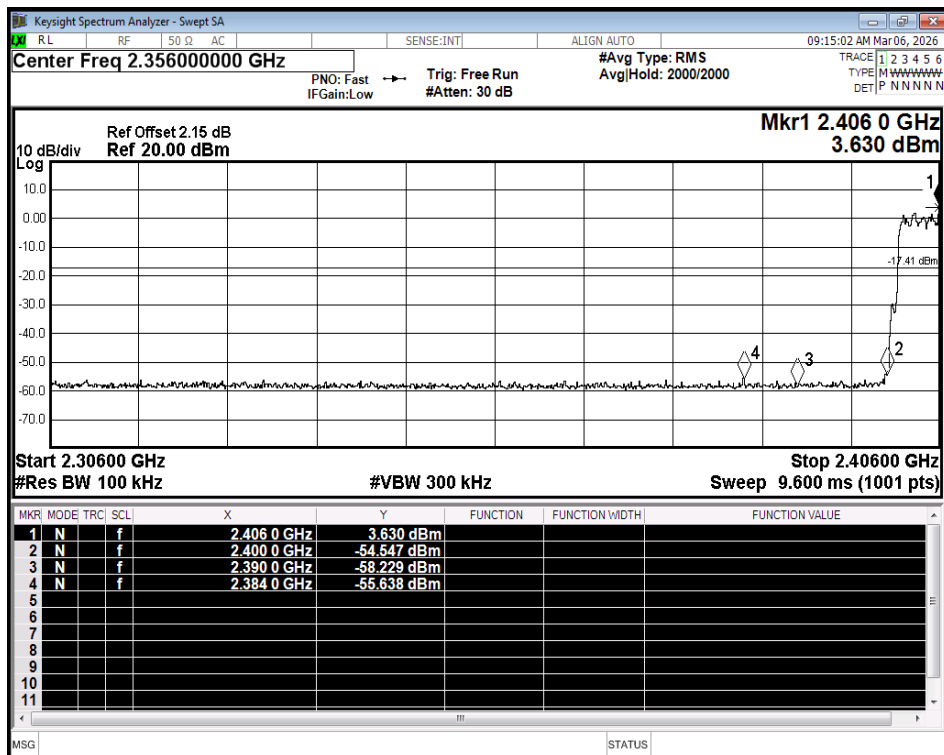
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



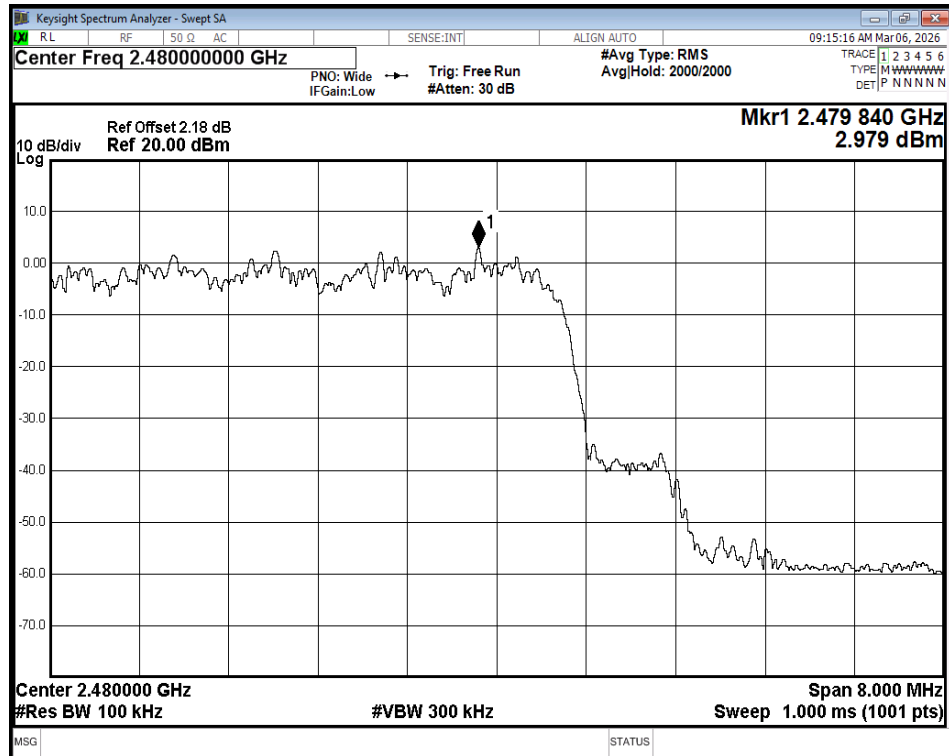
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



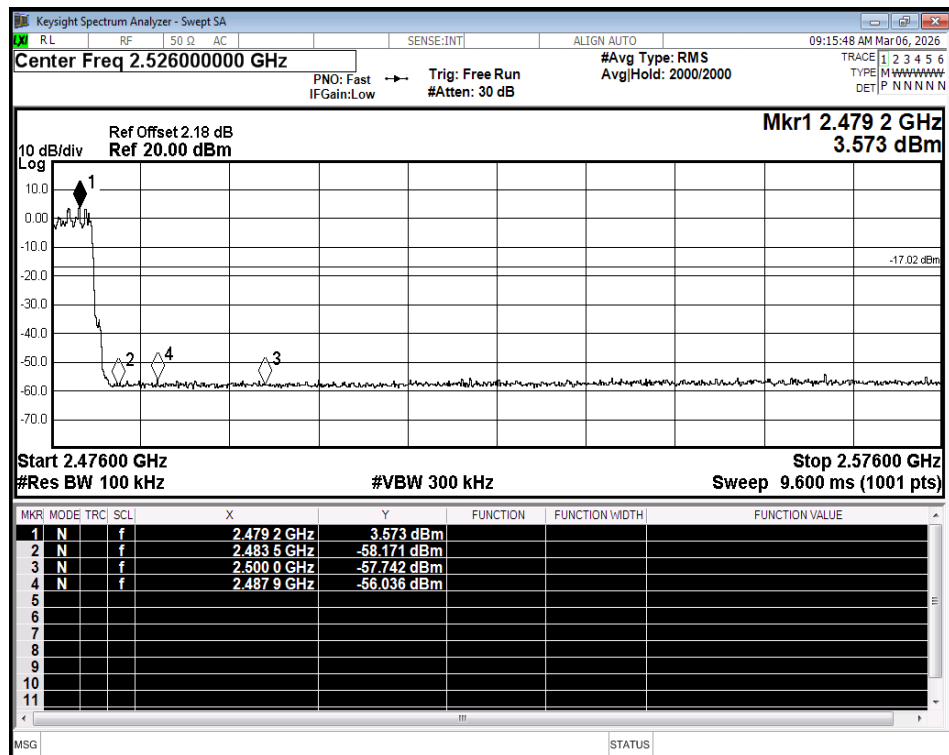
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



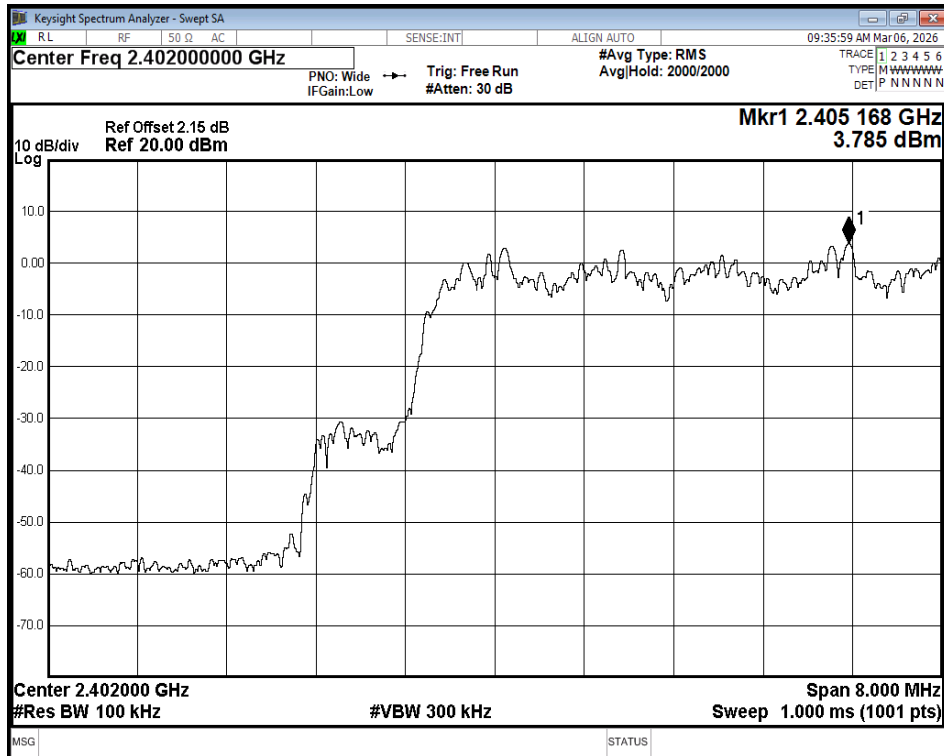
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



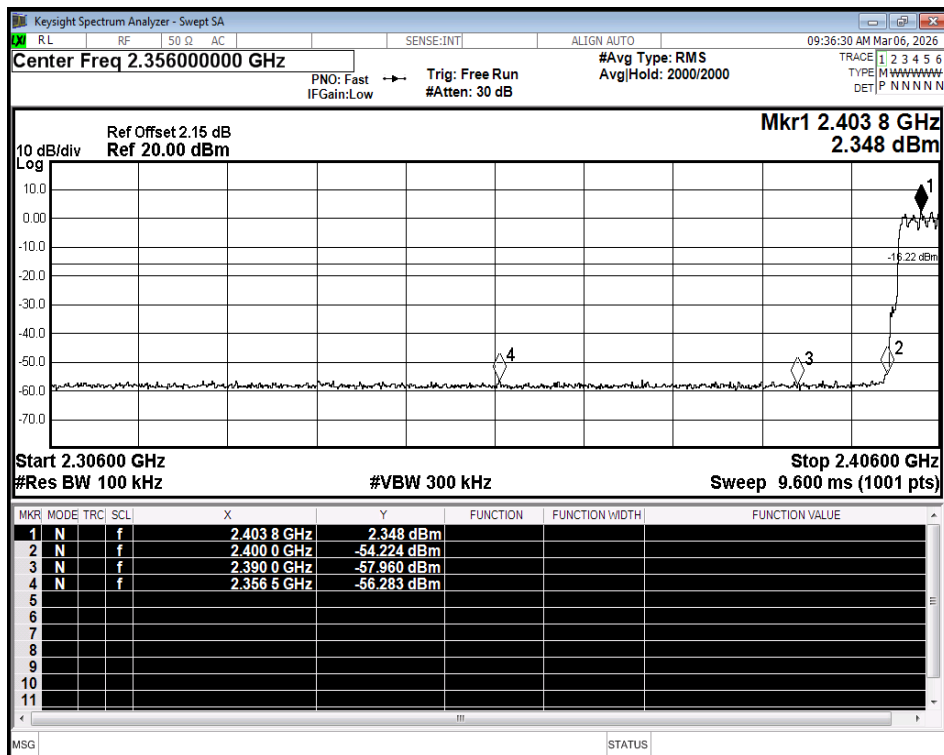
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



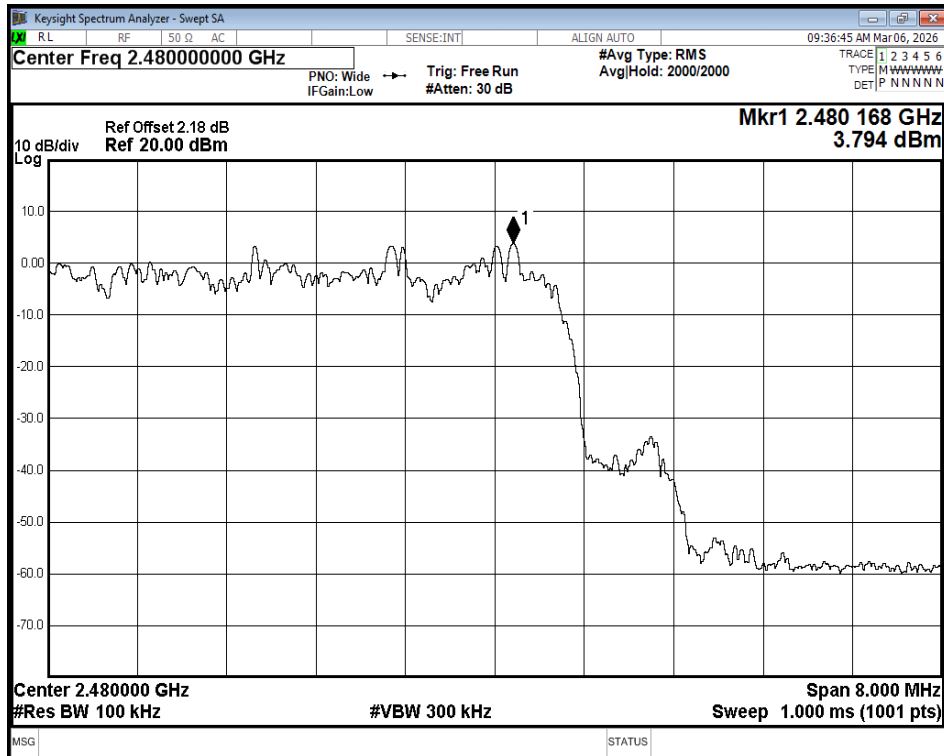
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



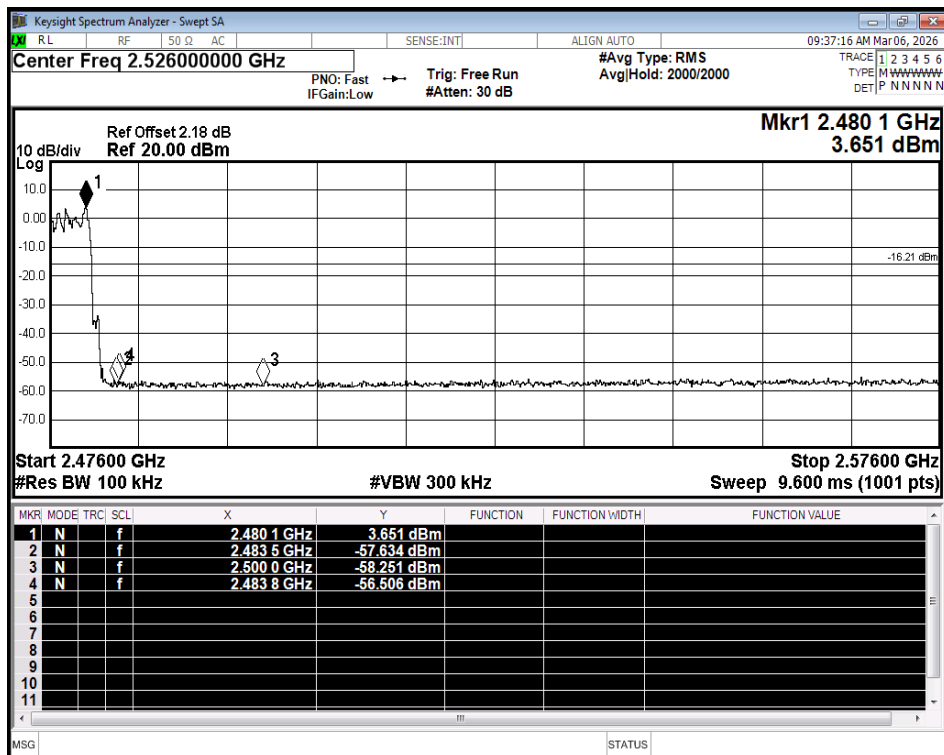
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



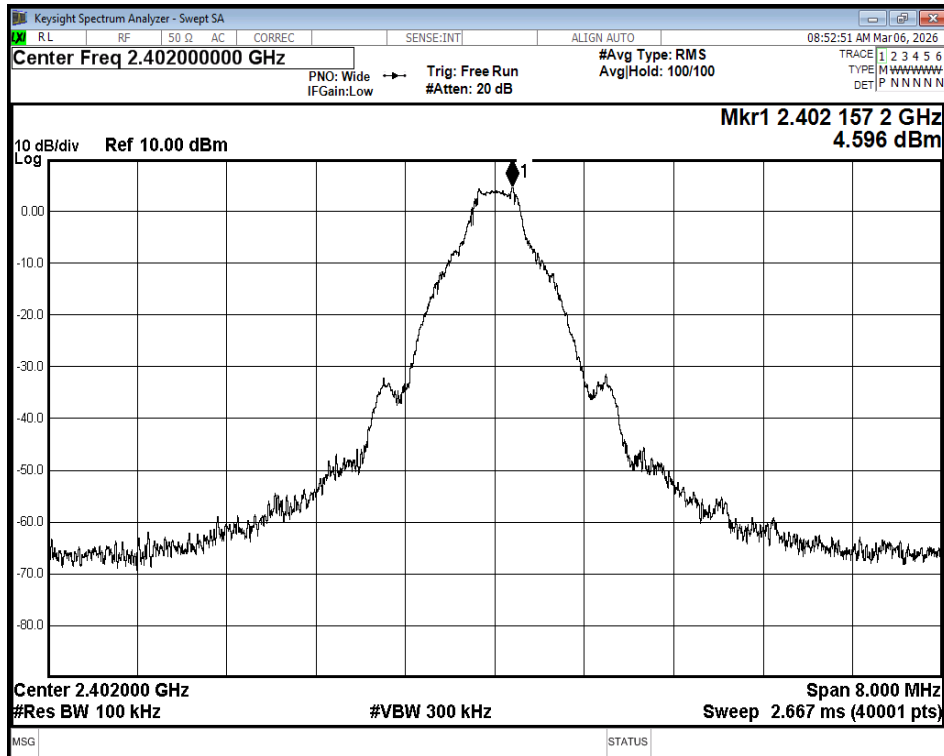
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



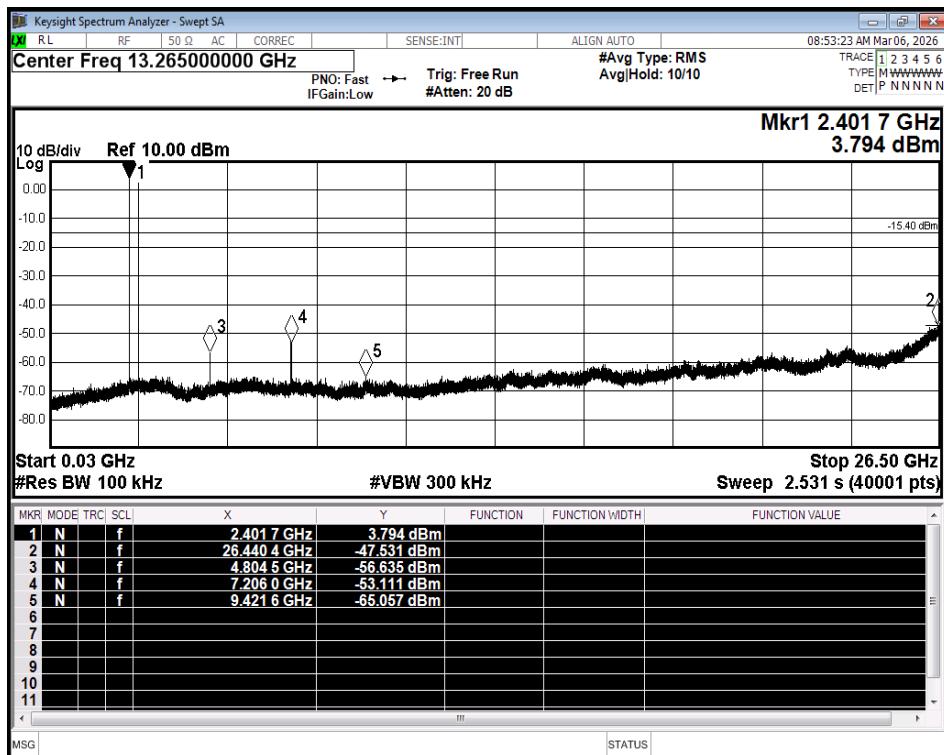
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

7 Conducted RF Spurious Emission

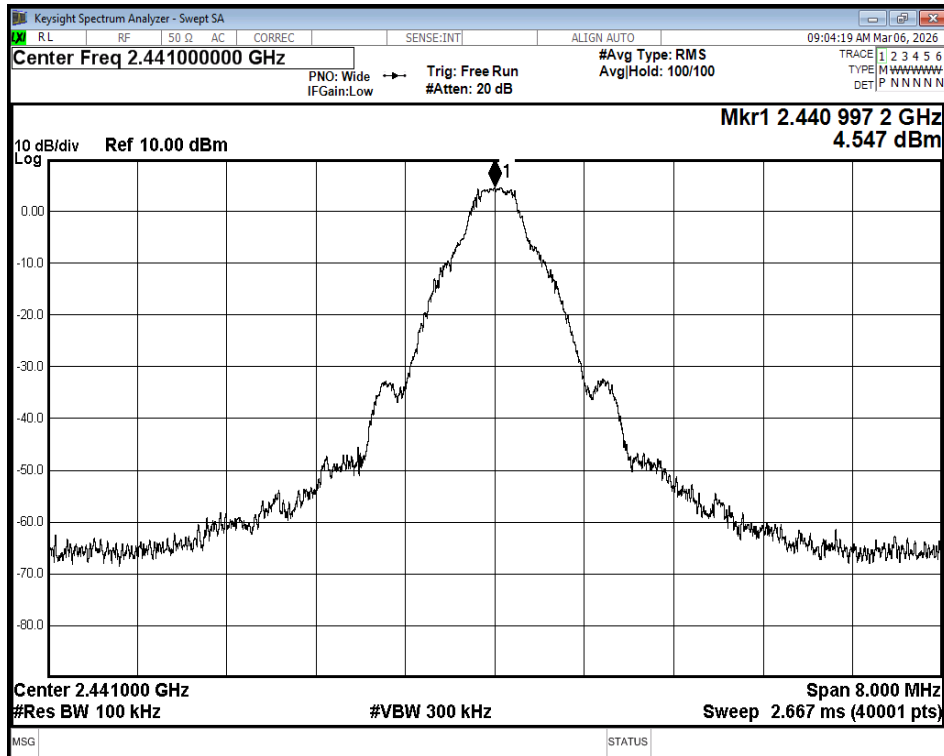
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-52.13	-20	Pass
NVNT	1-DH5	2441	Ant1	-52.05	-20	Pass
NVNT	1-DH5	2480	Ant1	-52.35	-20	Pass
NVNT	2-DH5	2402	Ant1	-48.7	-20	Pass
NVNT	2-DH5	2441	Ant1	-49	-20	Pass
NVNT	2-DH5	2480	Ant1	-49.26	-20	Pass
NVNT	3-DH5	2402	Ant1	-49.43	-20	Pass
NVNT	3-DH5	2441	Ant1	-49.99	-20	Pass
NVNT	3-DH5	2480	Ant1	-49.8	-20	Pass



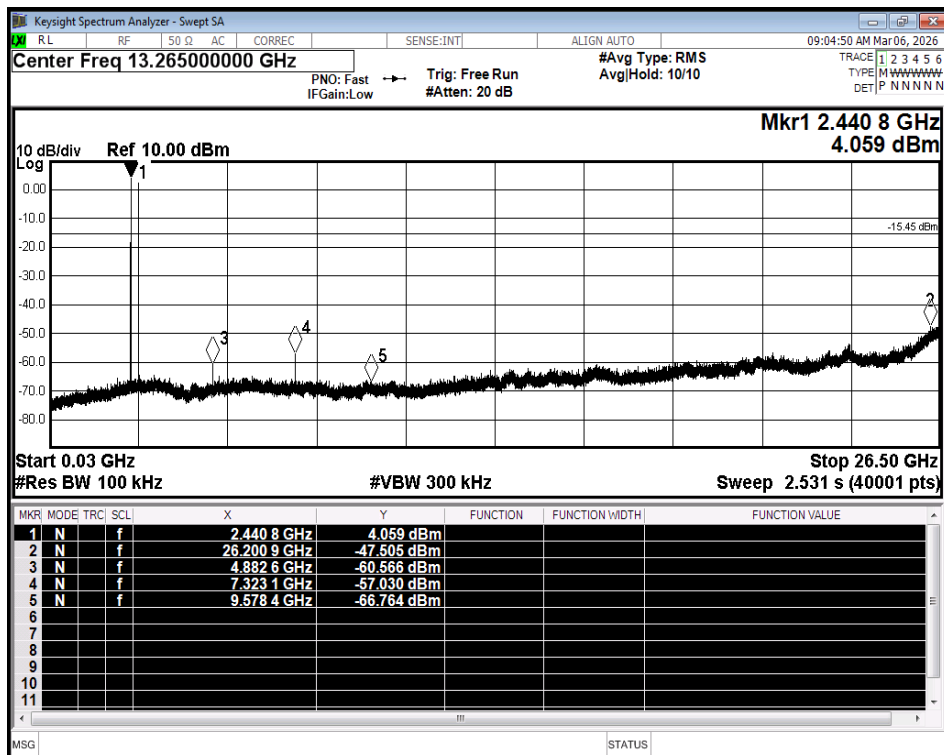
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



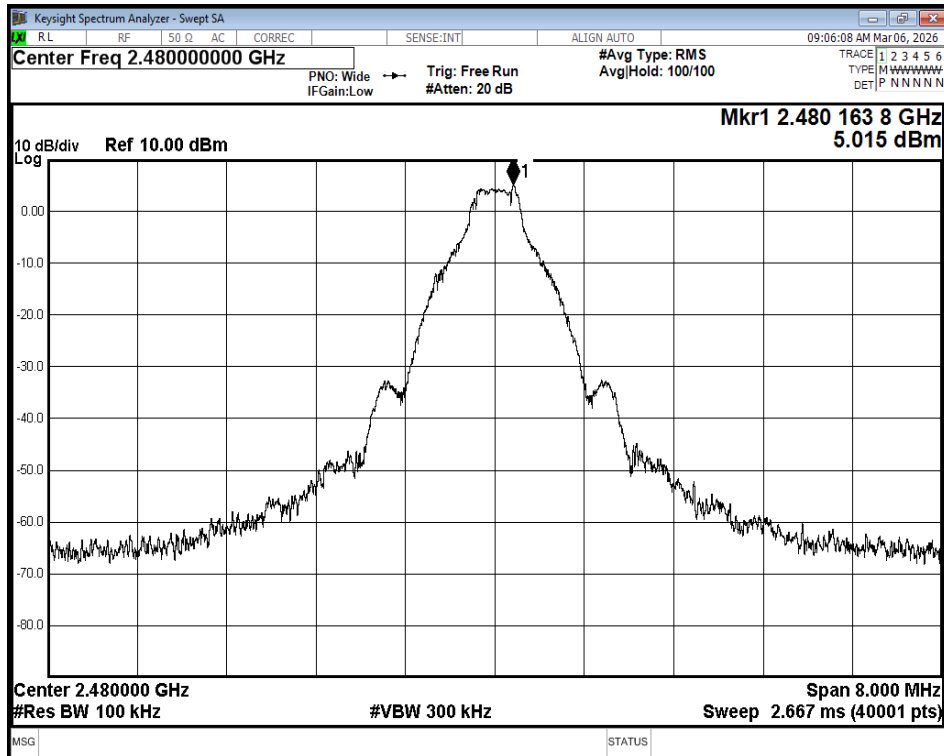
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



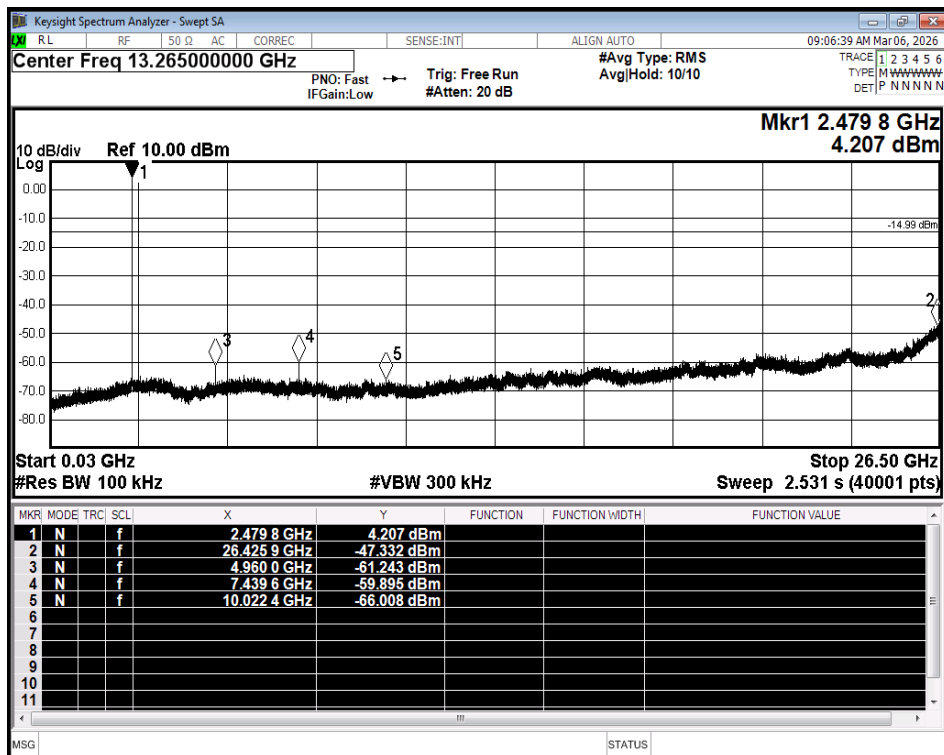
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



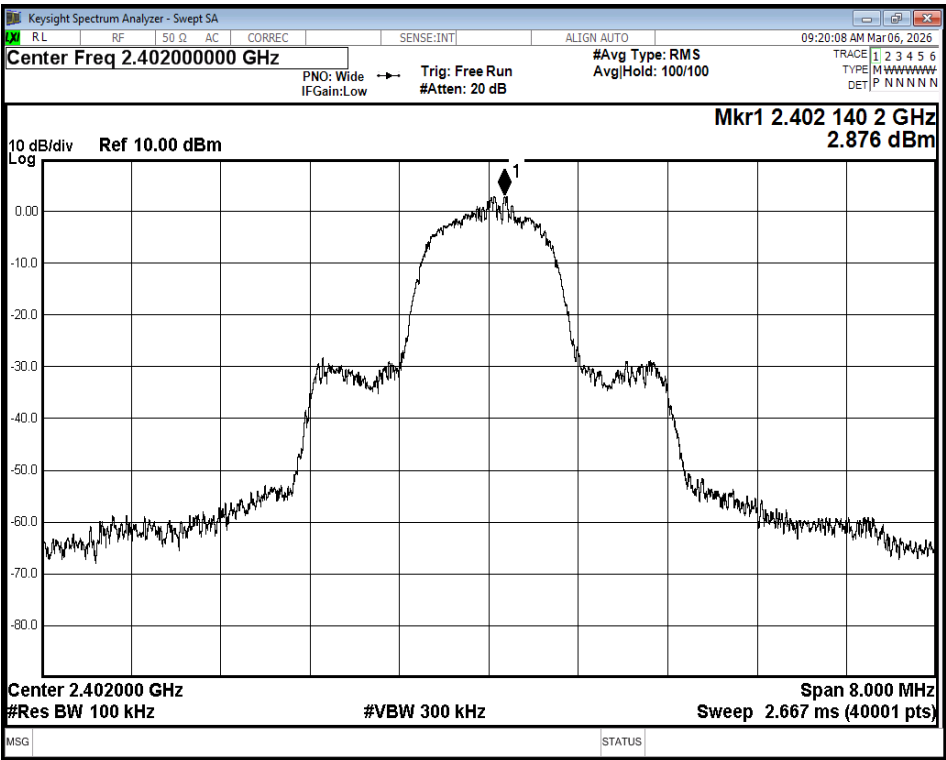
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



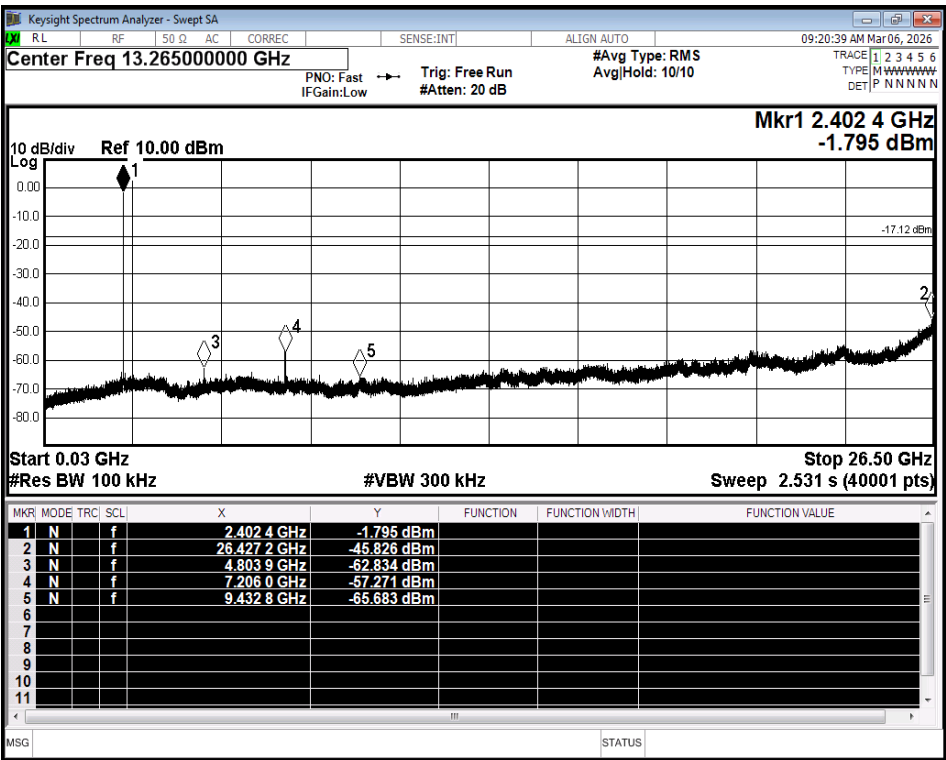
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



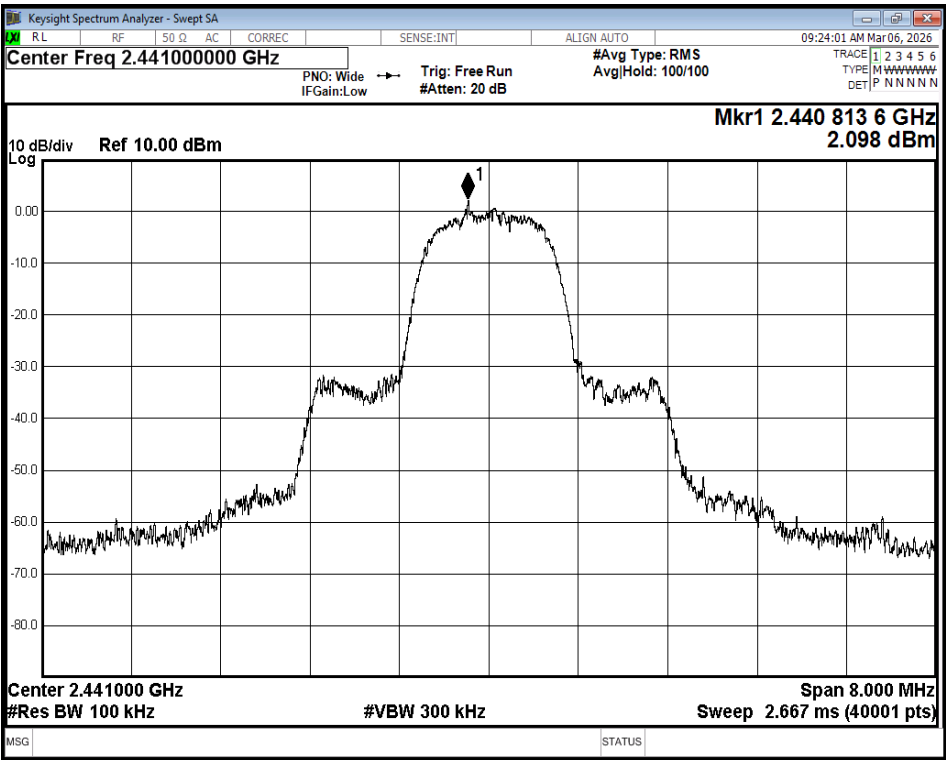
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



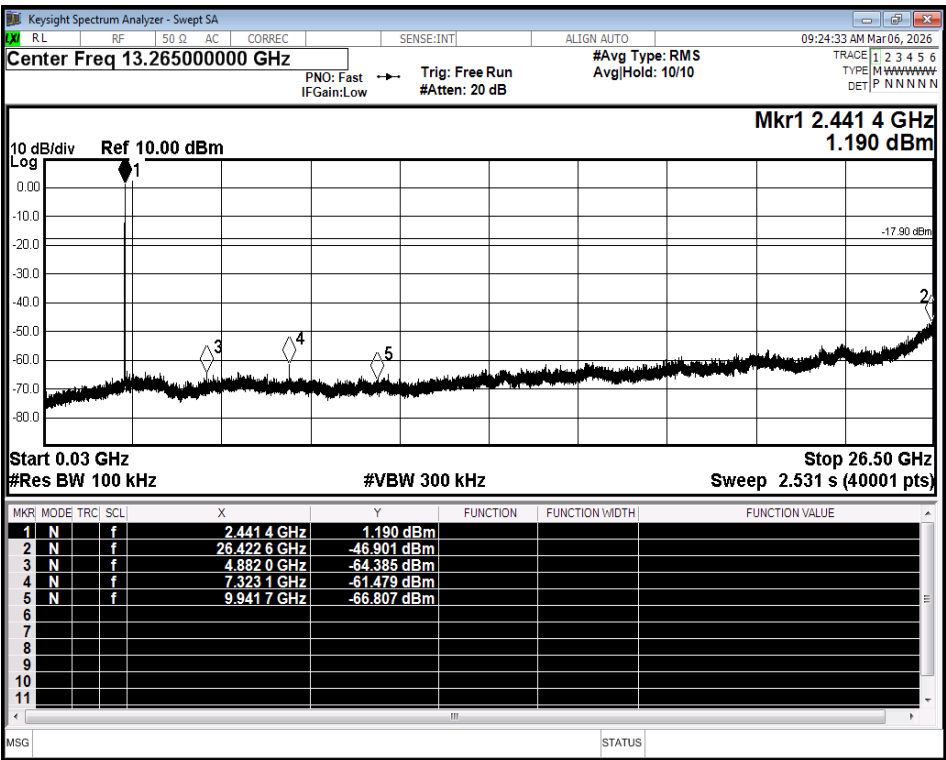
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



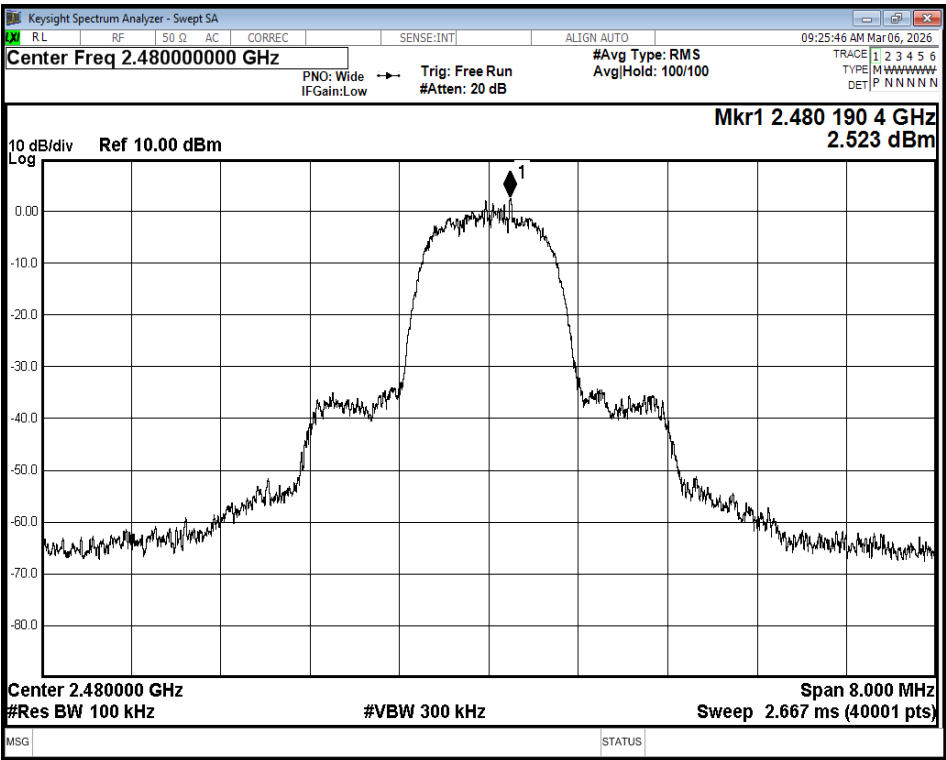
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



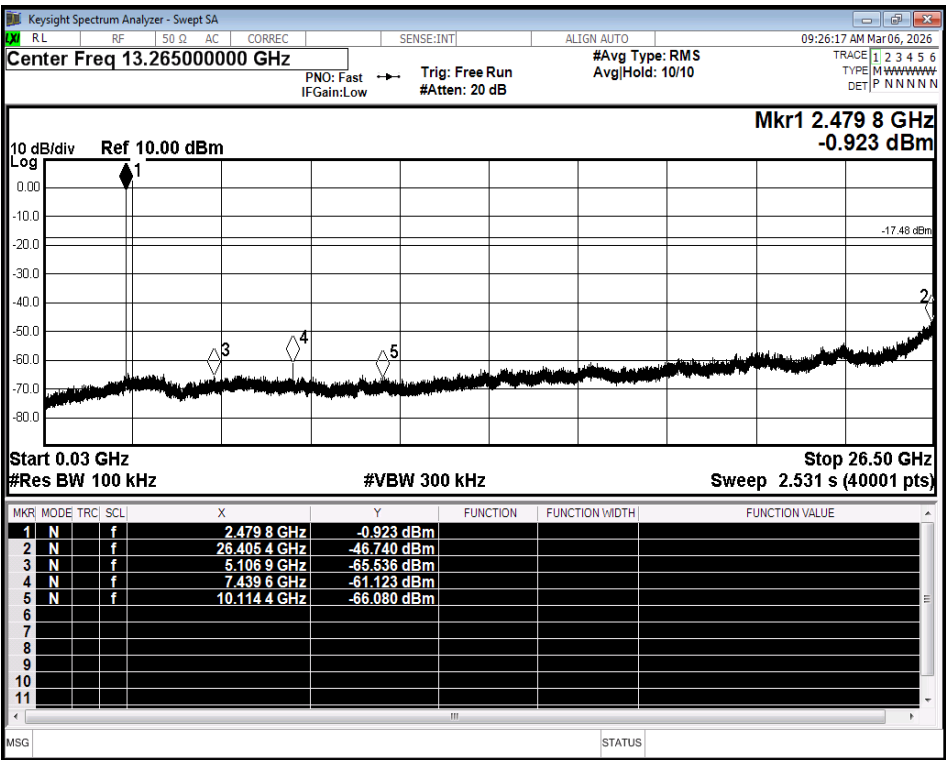
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



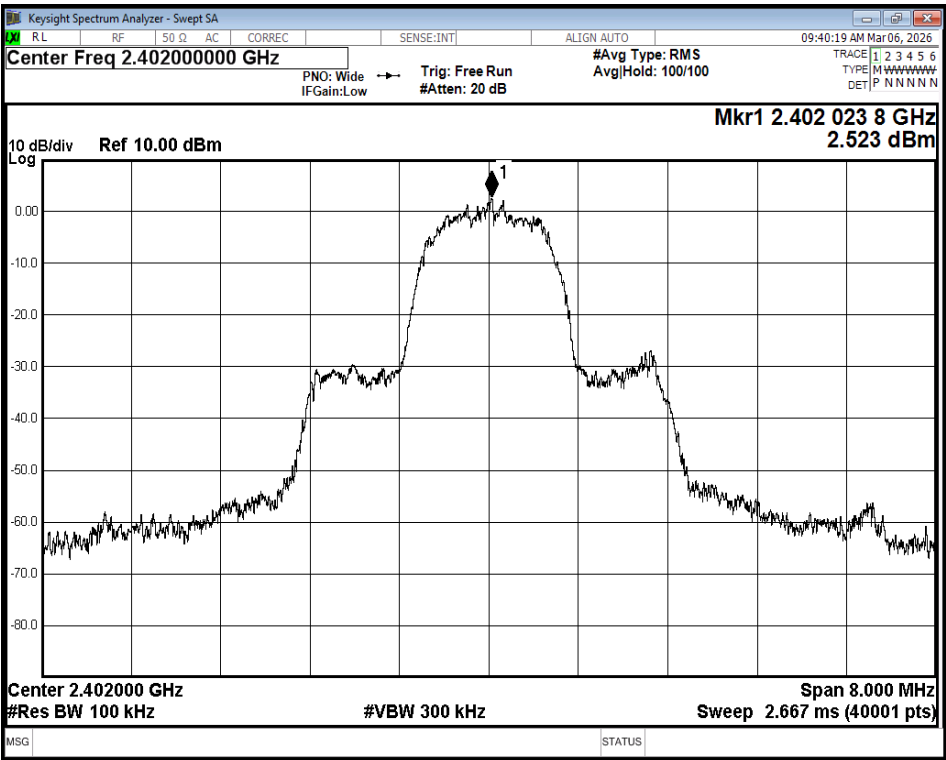
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



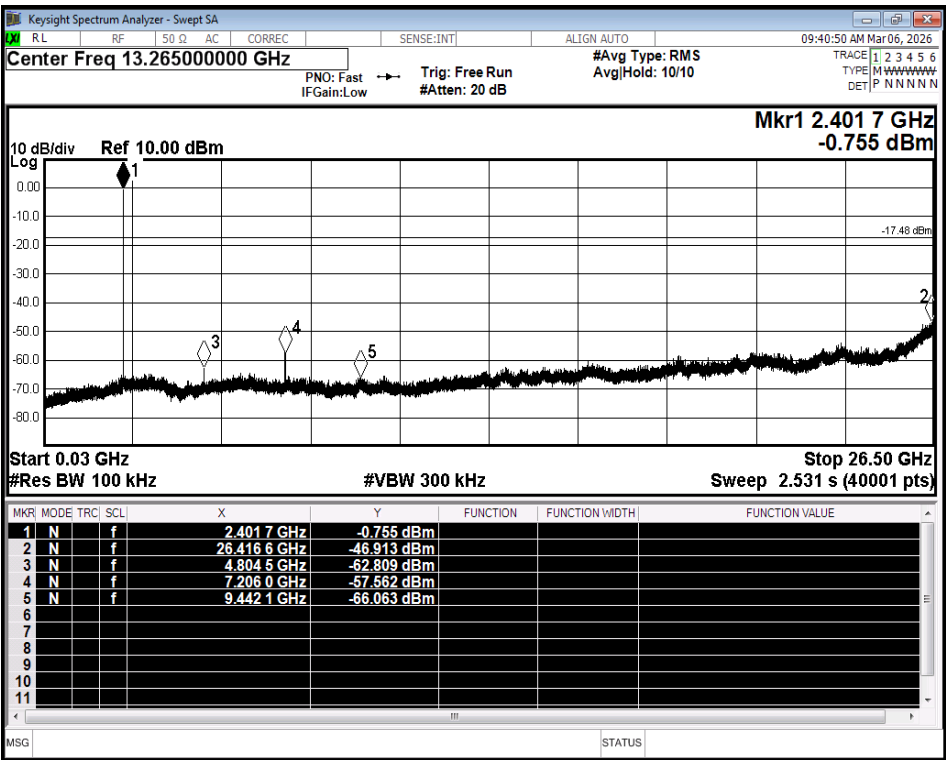
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



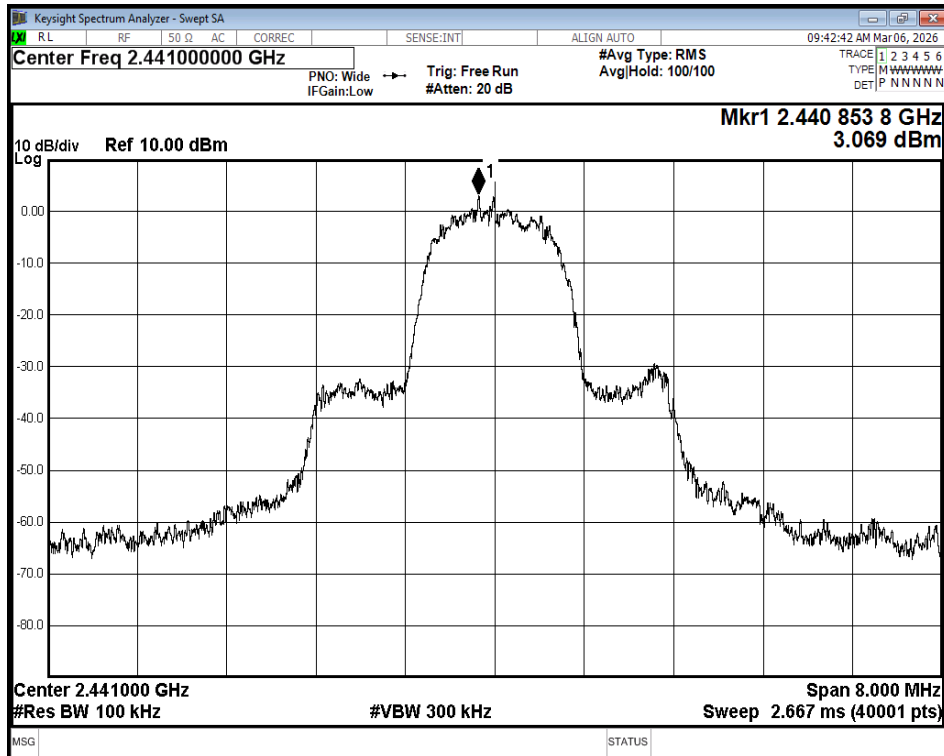
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



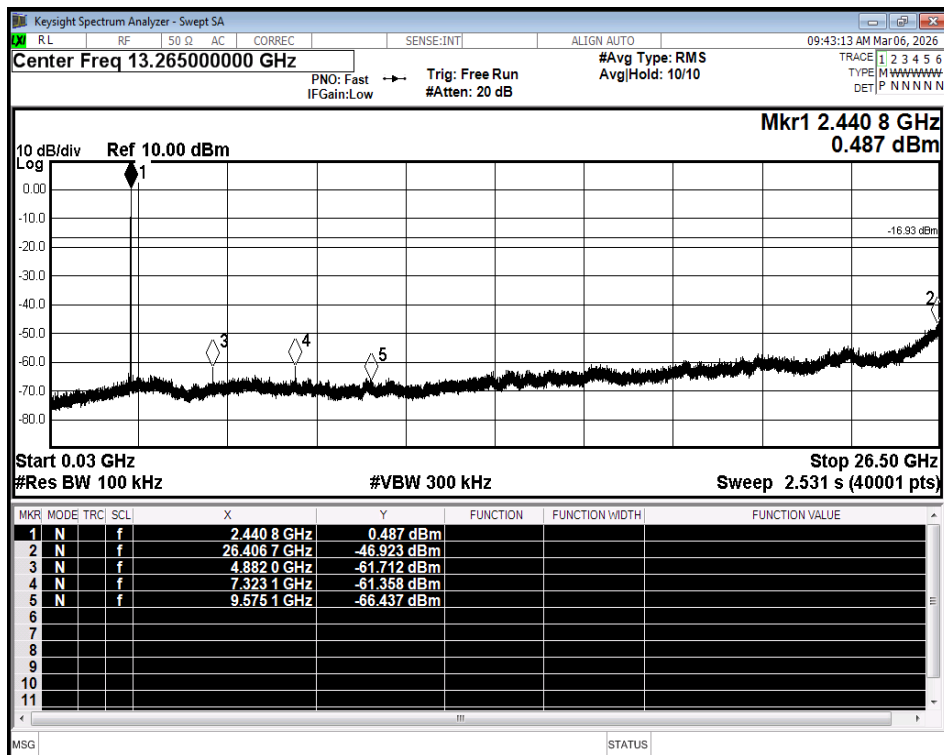
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



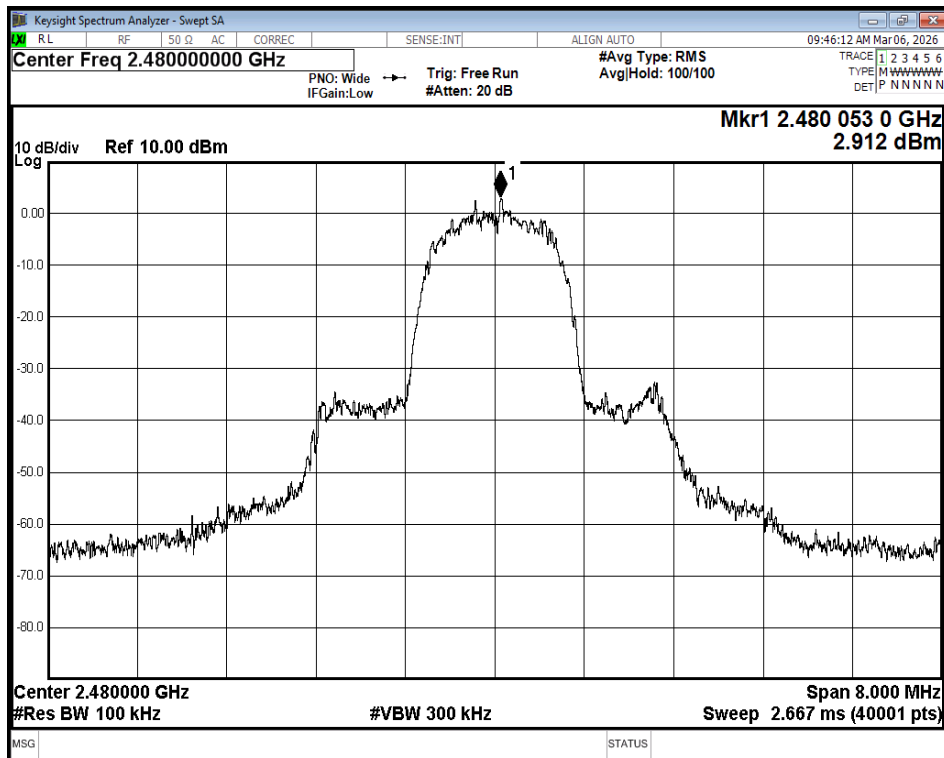
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



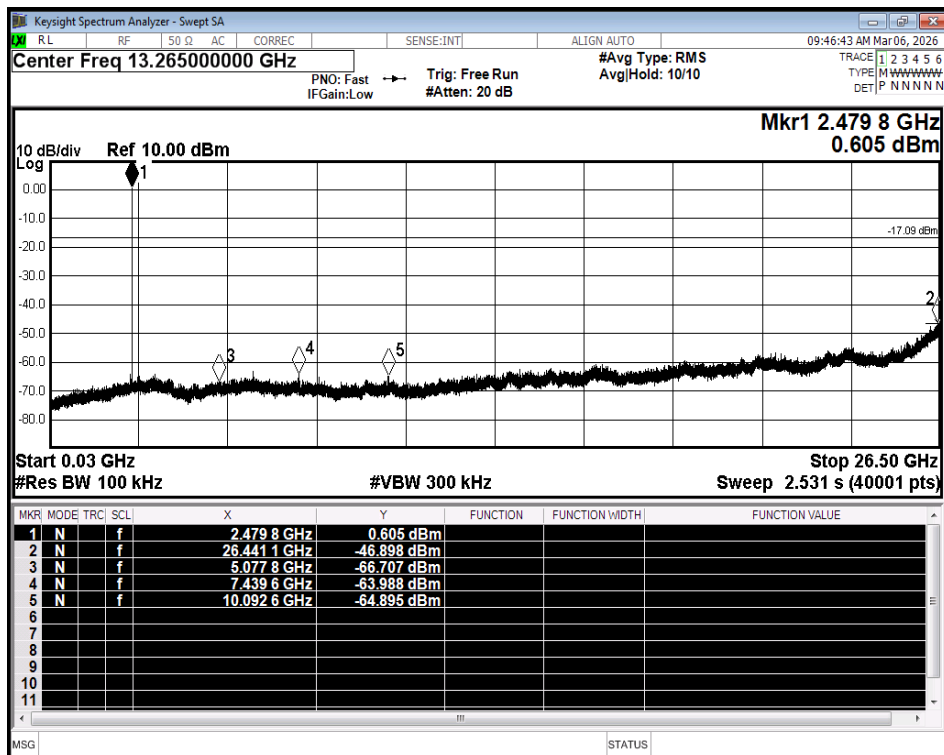
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



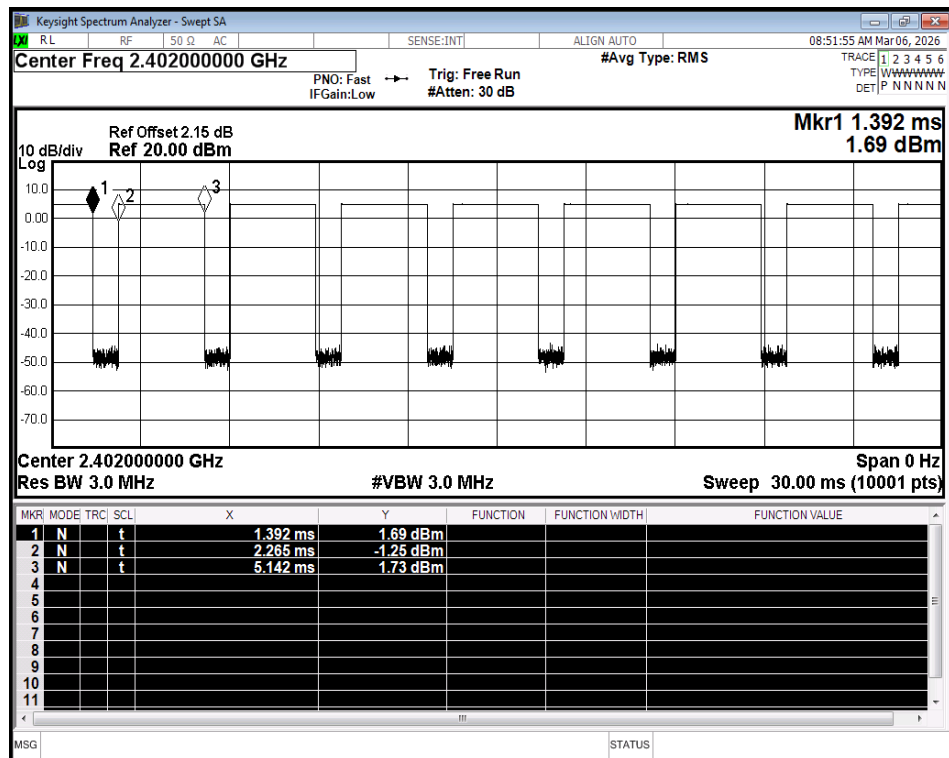
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



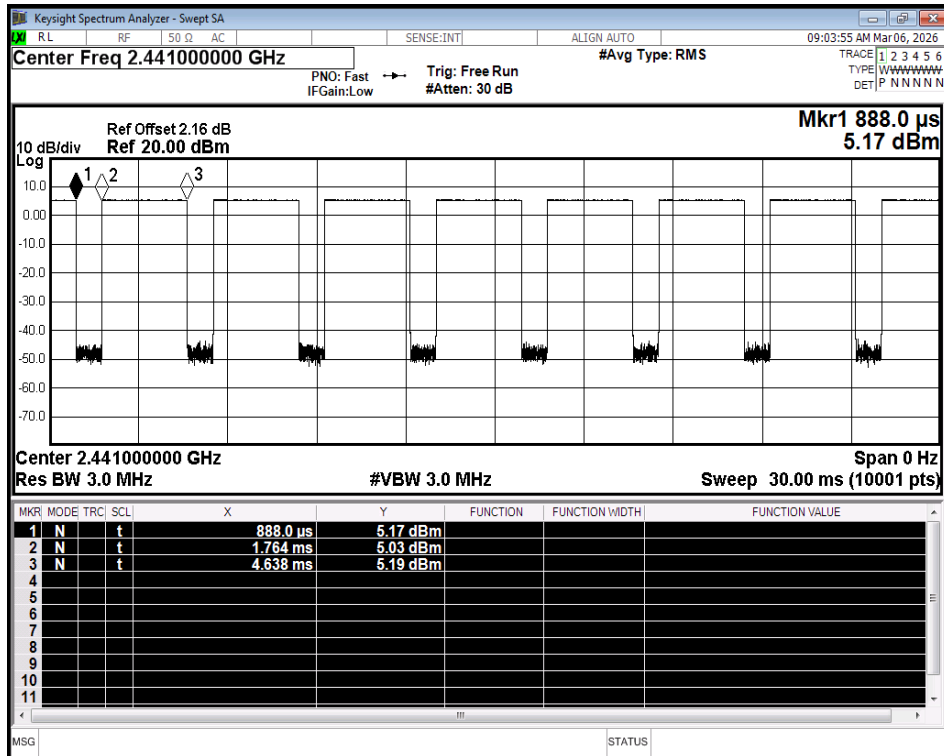
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

8 Duty Cycle

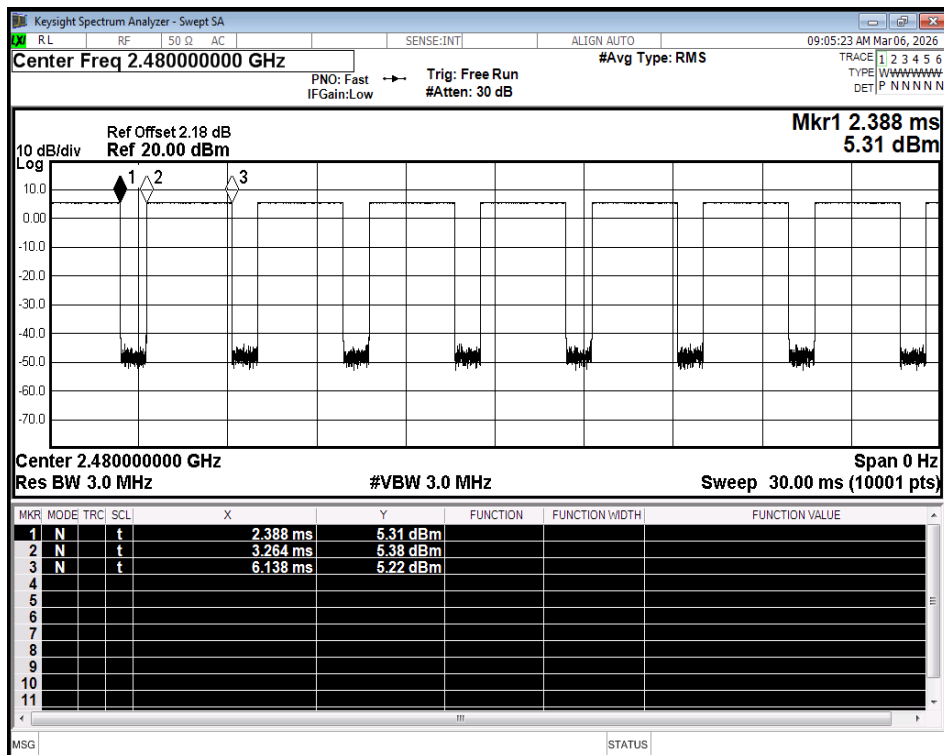
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.72	1.15	0.35
NVNT	1-DH5	2441	Ant1	76.64	1.16	0.35
NVNT	1-DH5	2480	Ant1	76.64	1.16	0.35
NVNT	2-DH5	2402	Ant1	76.8	1.15	0.35
NVNT	2-DH5	2441	Ant1	76.72	1.15	0.35
NVNT	2-DH5	2480	Ant1	76.8	1.15	0.35
NVNT	3-DH5	2402	Ant1	76.8	1.15	0.35
NVNT	3-DH5	2441	Ant1	76.8	1.15	0.35
NVNT	3-DH5	2480	Ant1	76.8	1.15	0.35



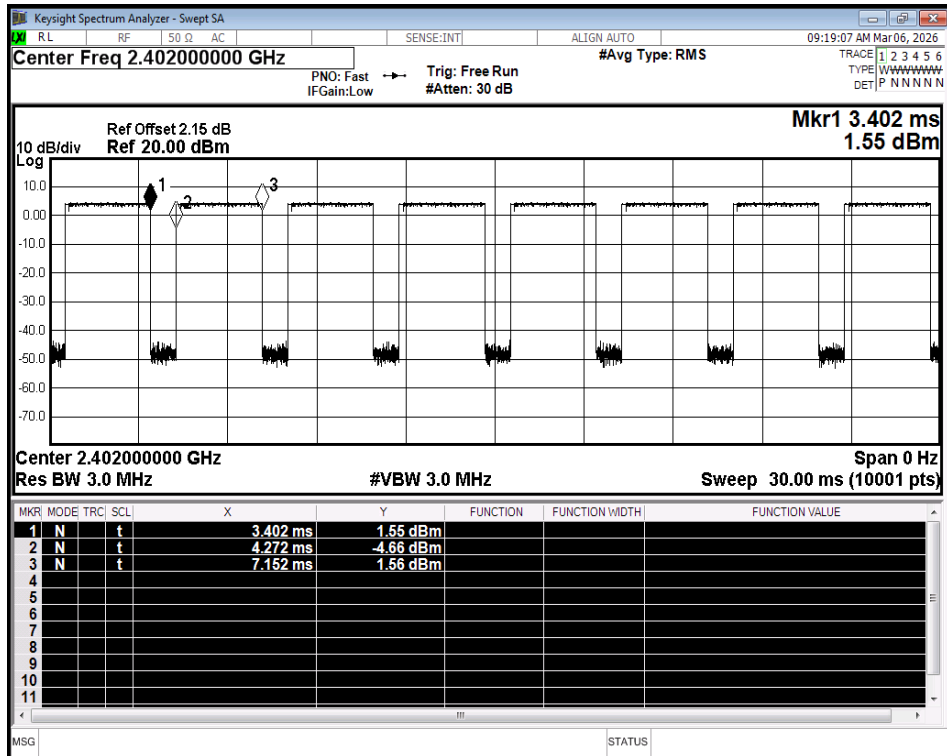
Duty Cycle NVNT 1-DH5 2402MHz Ant1



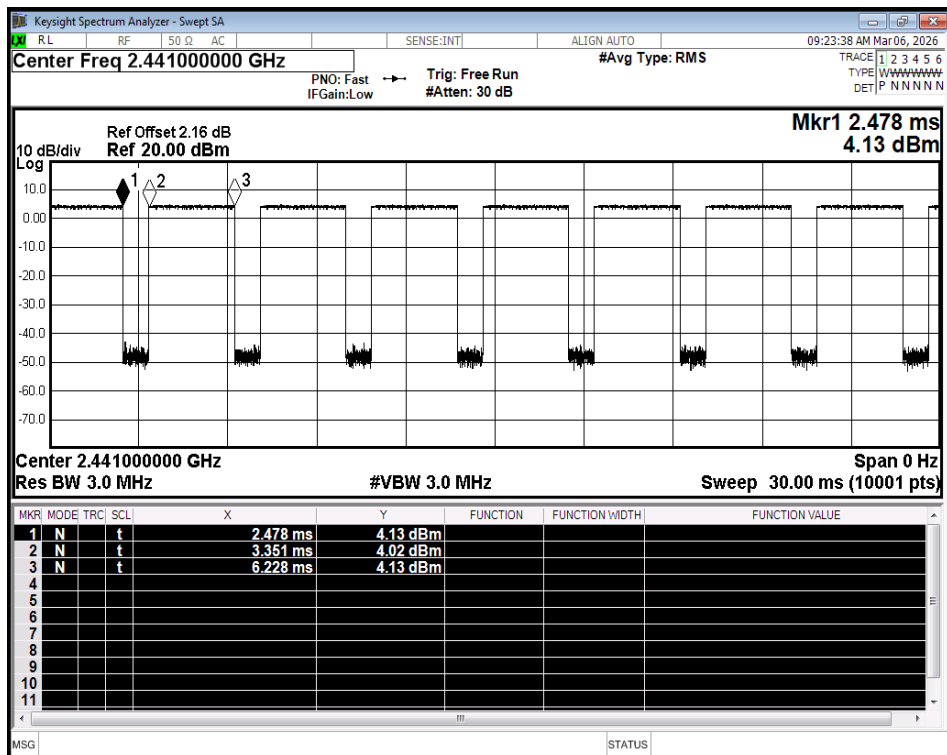
Duty Cycle NVNT 1-DH5 2441MHz Ant1



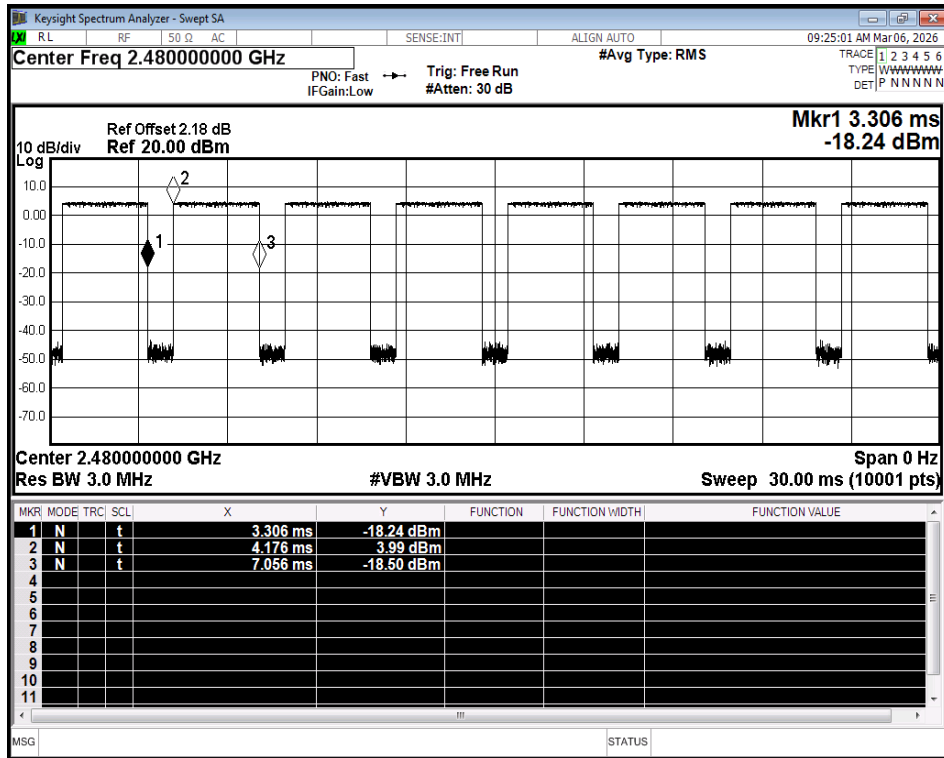
Duty Cycle NVNT 1-DH5 2480MHz Ant1



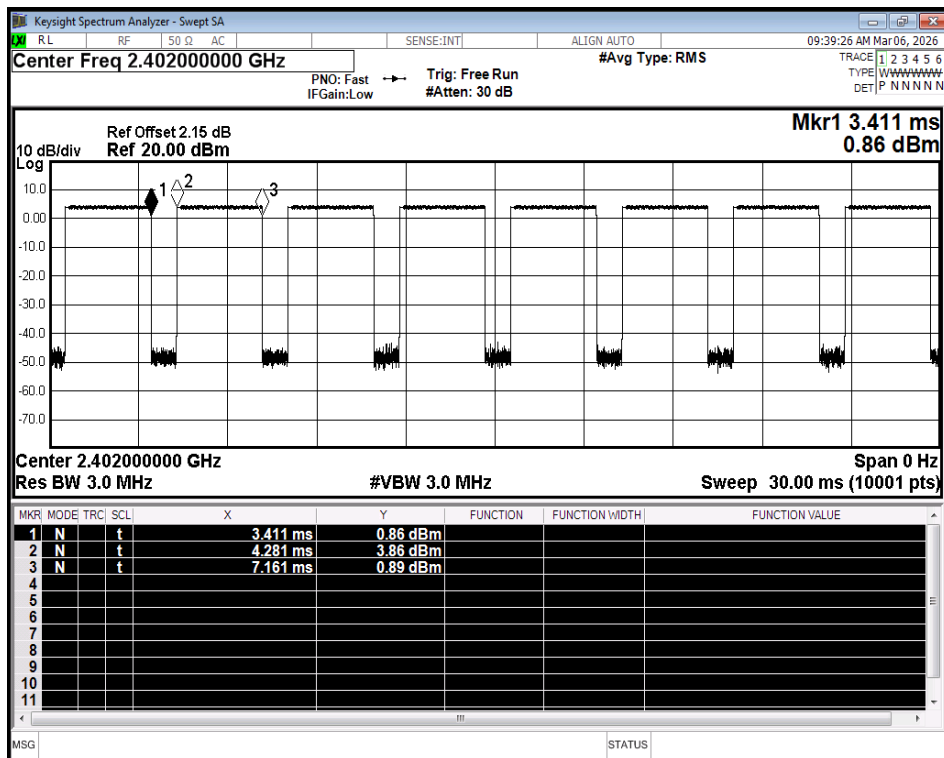
Duty Cycle NVNT 2-DH5 2402MHz Ant1



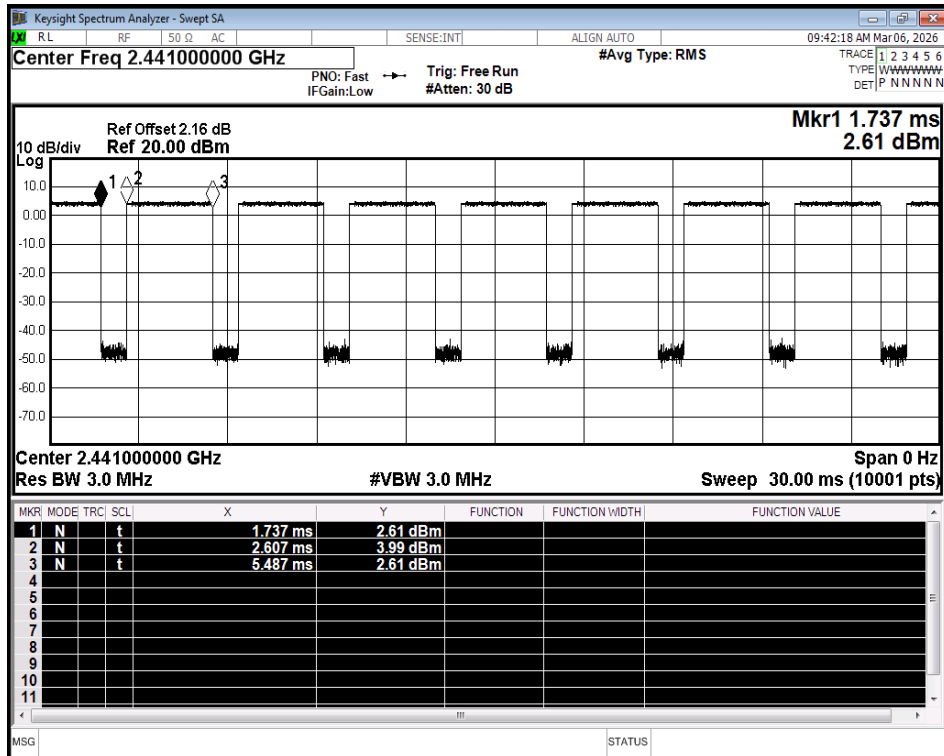
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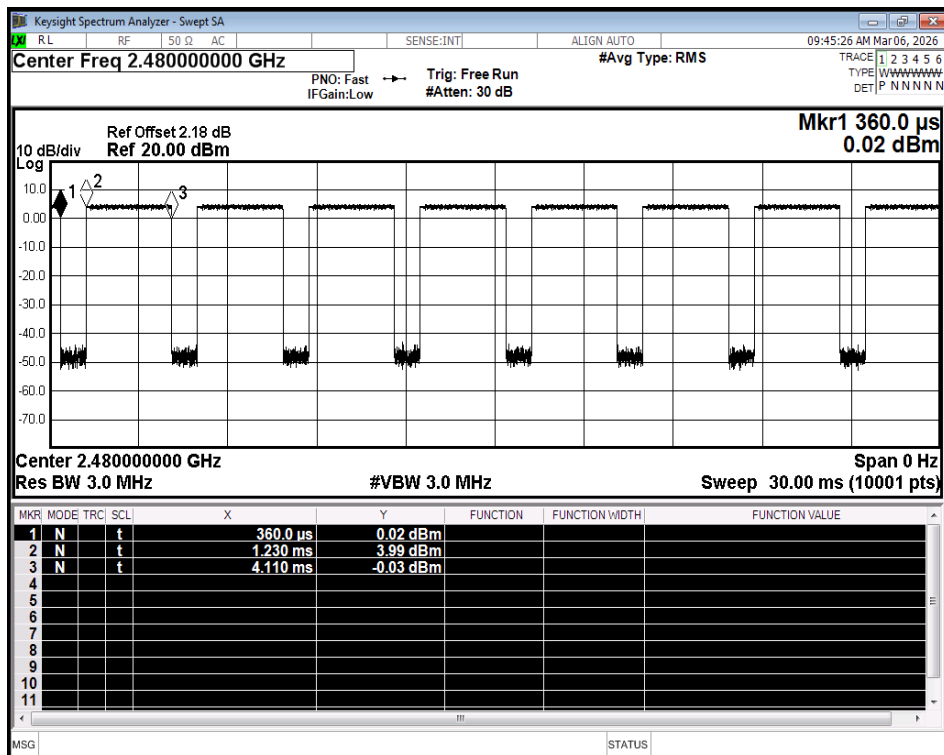
Duty Cycle NVNT 2-DH5 2480MHz Ant1



Duty Cycle NVNT 3-DH5 2402MHz Ant1



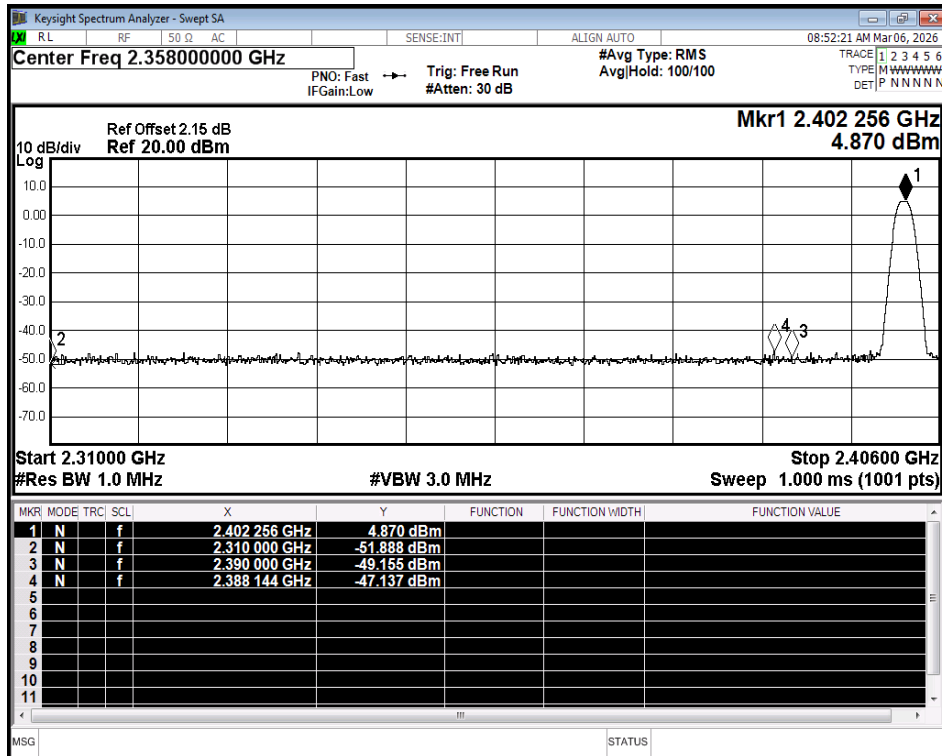
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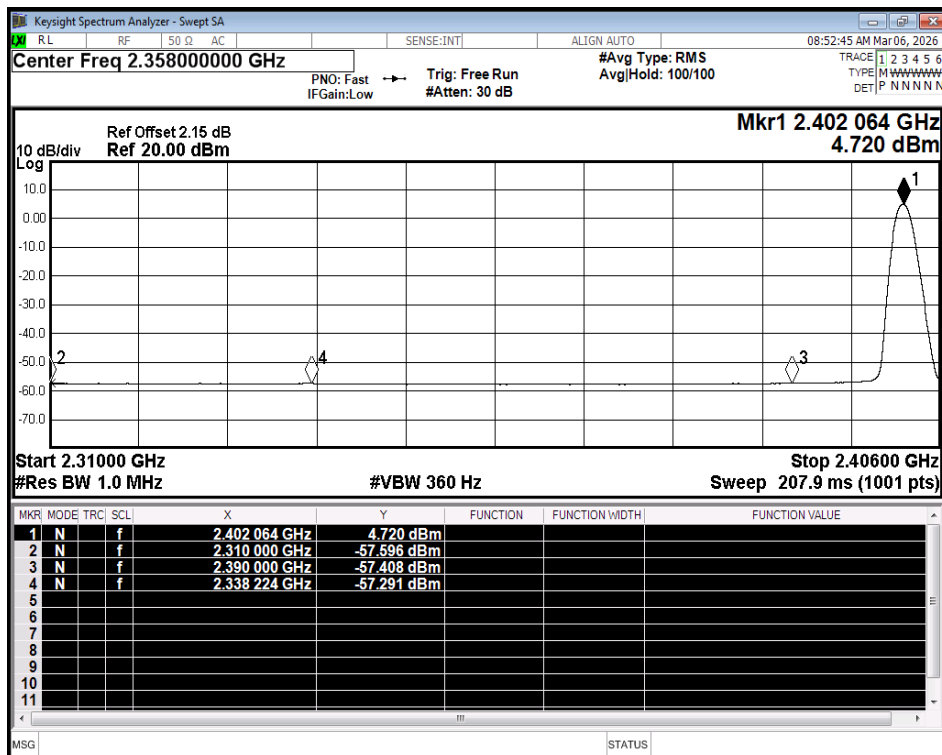
Duty Cycle NVNT 3-DH5 2480MHz Ant1

9 Restrict Band

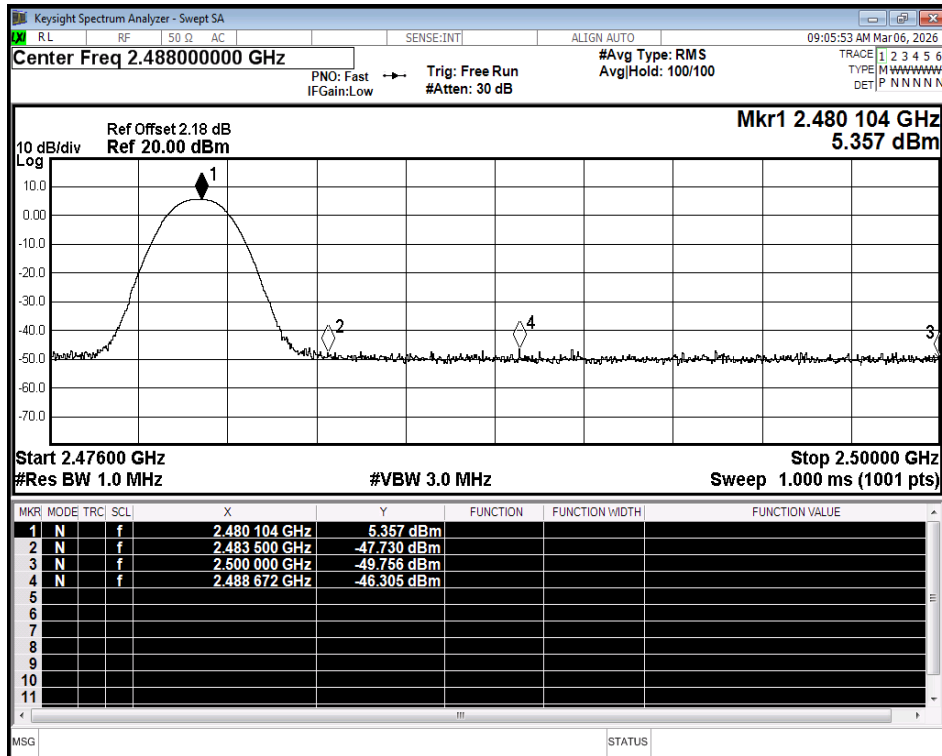
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.88	2	45.38	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.59	2	39.67	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.144	-47.13	2	50.13	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2338.224	-57.29	2	39.97	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.49	2	45.77	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.42	2	39.84	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-47.73	2	49.53	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-53.54	2	43.72	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2488.672	-46.3	2	50.96	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-53.54	2	43.72	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.75	2	47.51	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.22	2	40.04	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.07	2	46.19	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.53	2	39.73	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2314.704	-47.5	2	49.76	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2338.128	-57.1	2	40.16	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.38	2	47.88	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.27	2	39.99	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.77	2	48.49	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-53.12	2	44.14	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.568	-46.64	2	50.62	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-53.12	2	44.14	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.06	2	47.2	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.27	2	39.99	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.72	2	47.54	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.52	2	39.74	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2336.304	-47.5	2	49.76	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2338.128	-57.05	2	40.21	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.42	2	47.84	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.27	2	39.99	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-47.94	2	49.32	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-53.13	2	44.13	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.56	-46.73	2	50.53	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-53.13	2	44.13	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.52	2	46.74	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.34	2	39.92	Average	54	Pass



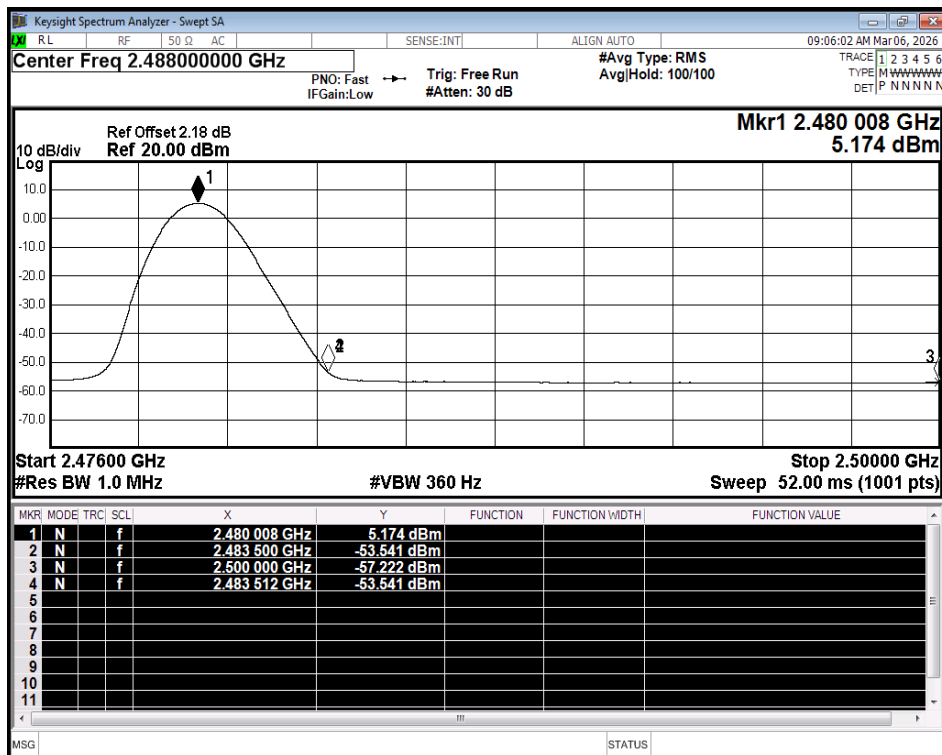
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



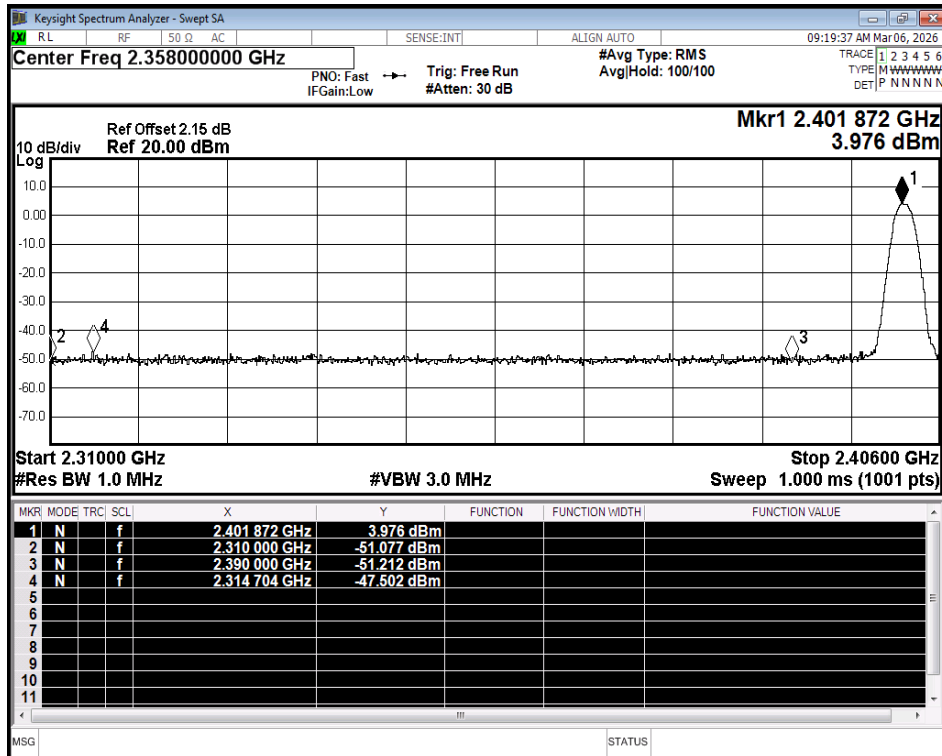
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



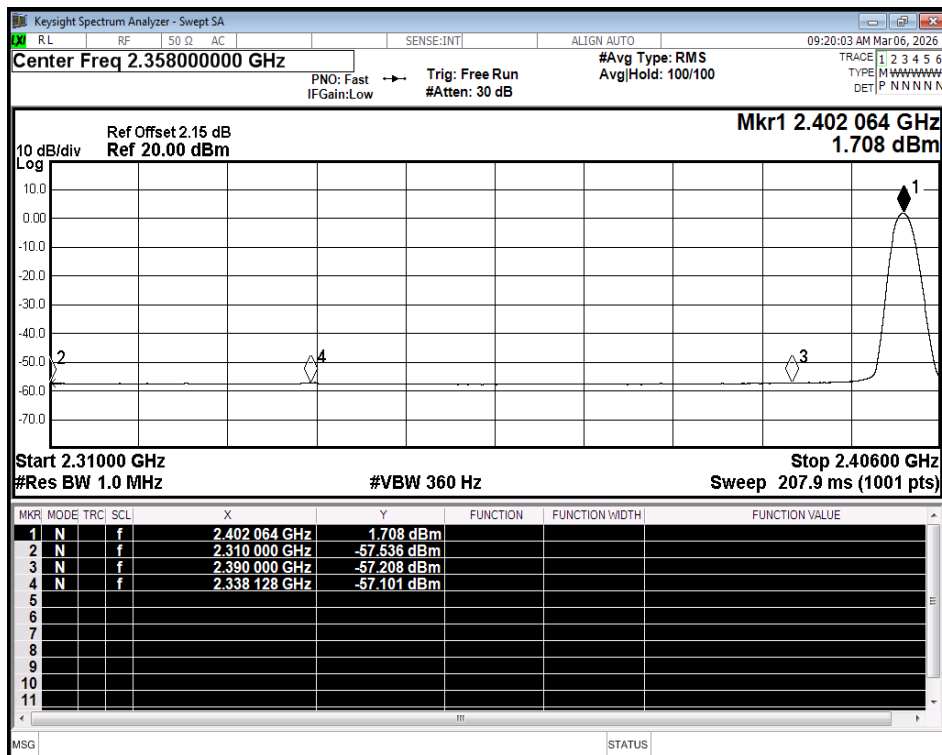
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



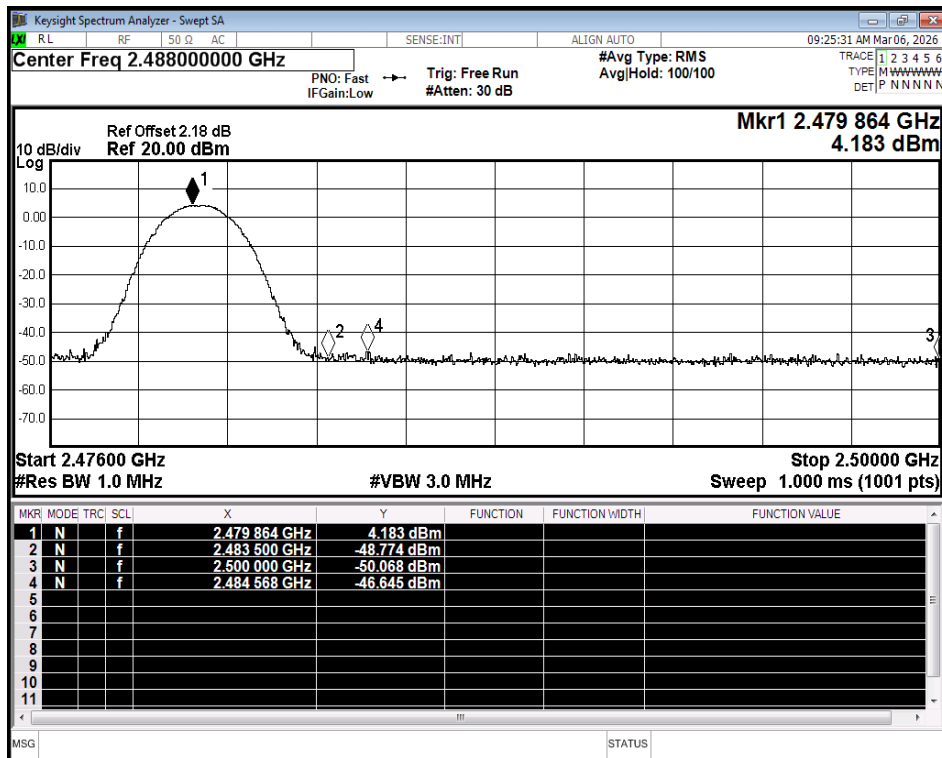
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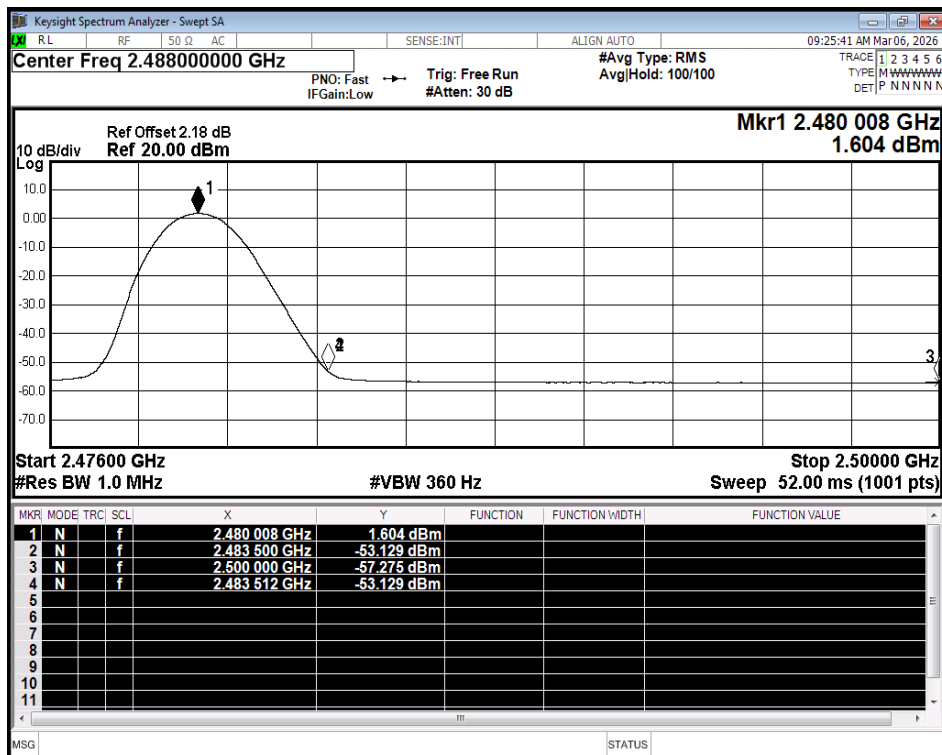
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



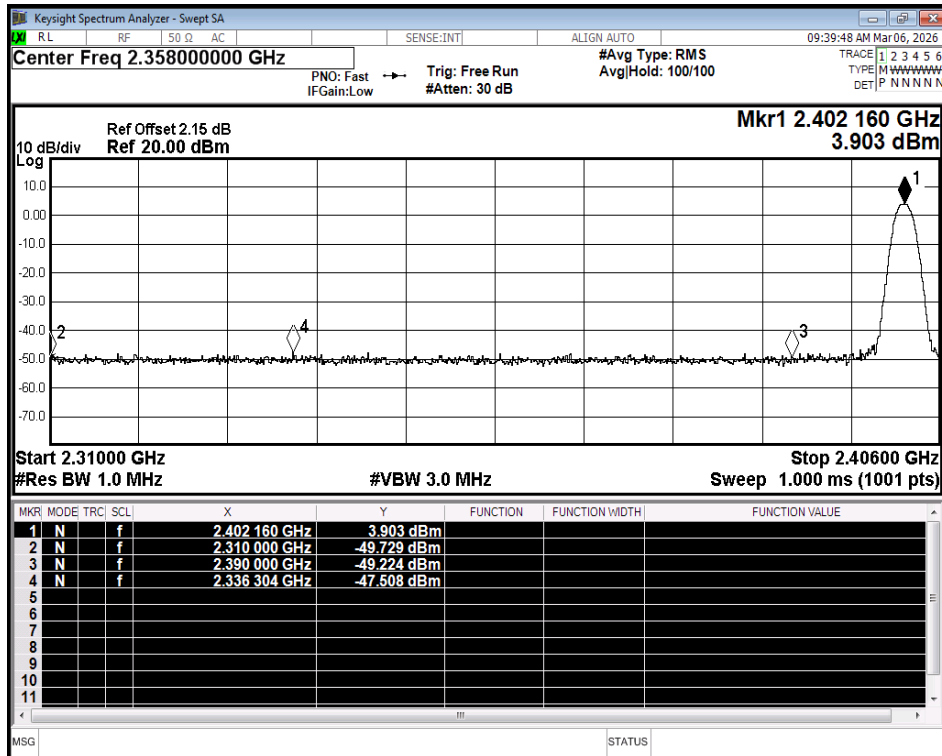
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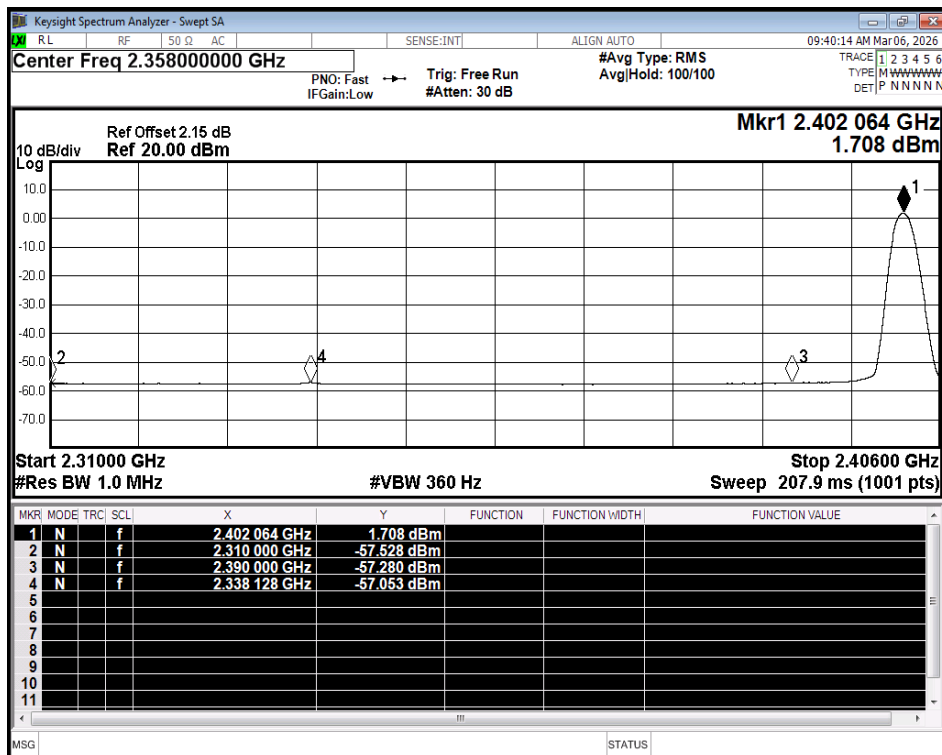
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



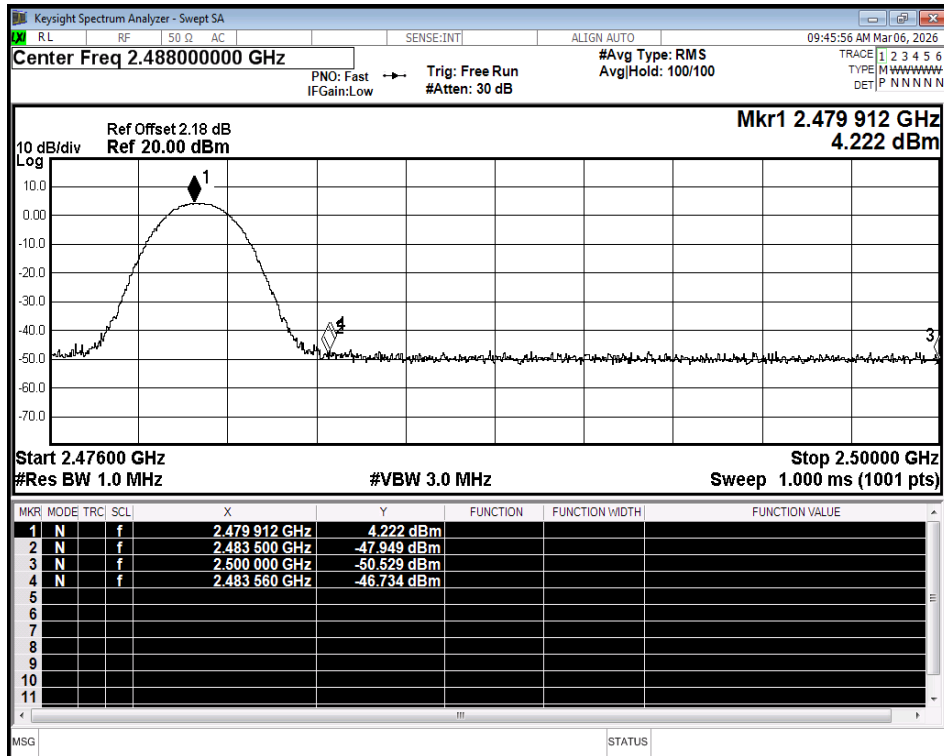
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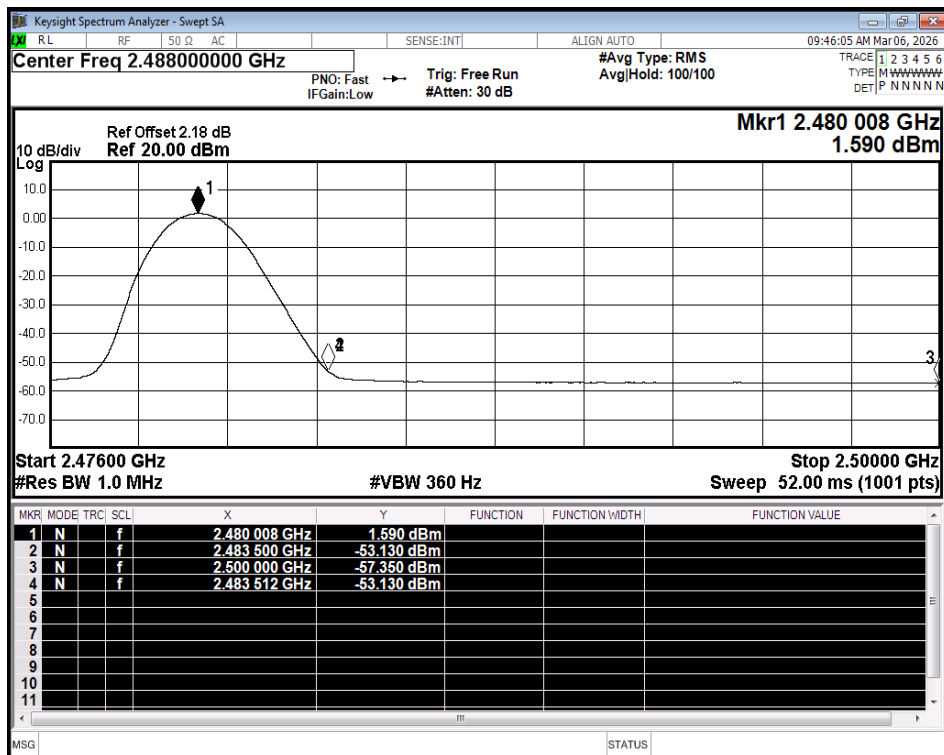
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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