



FCC Appendix RF Test Data for BT

Product Name: Vehicle Mount Computer

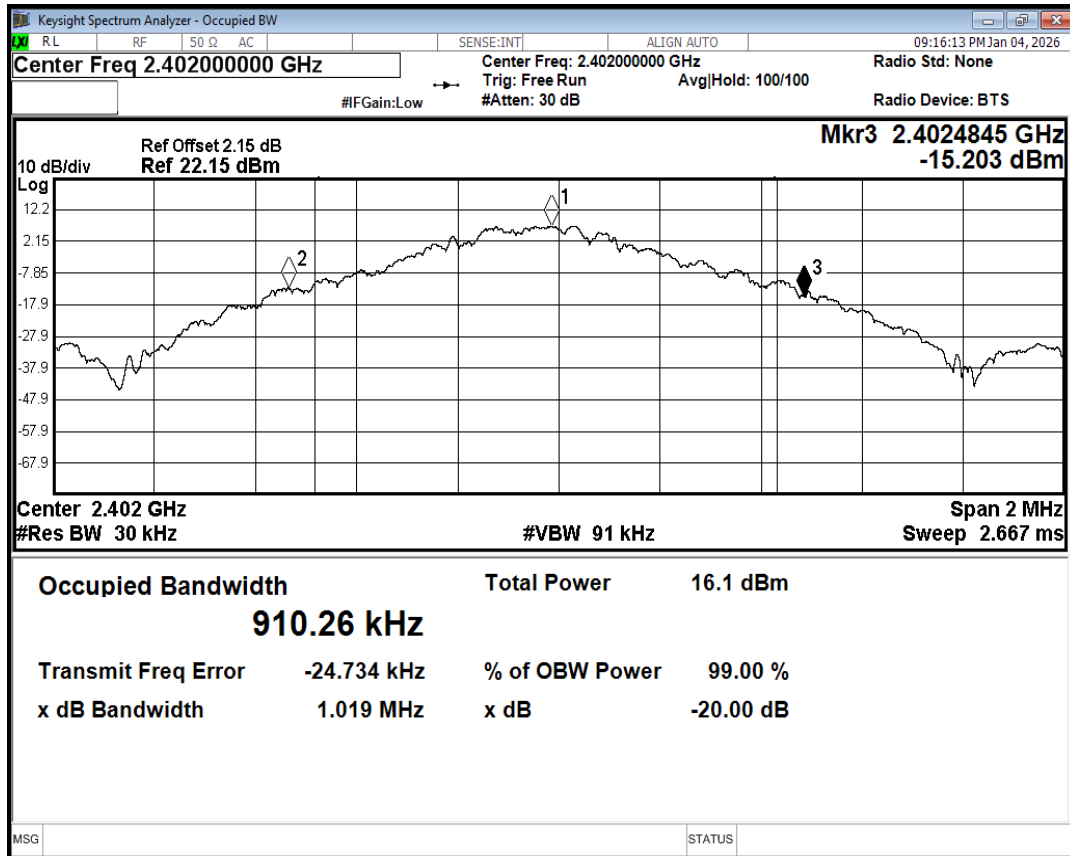
Test Model: LC:TWO mini

Environmental Conditions

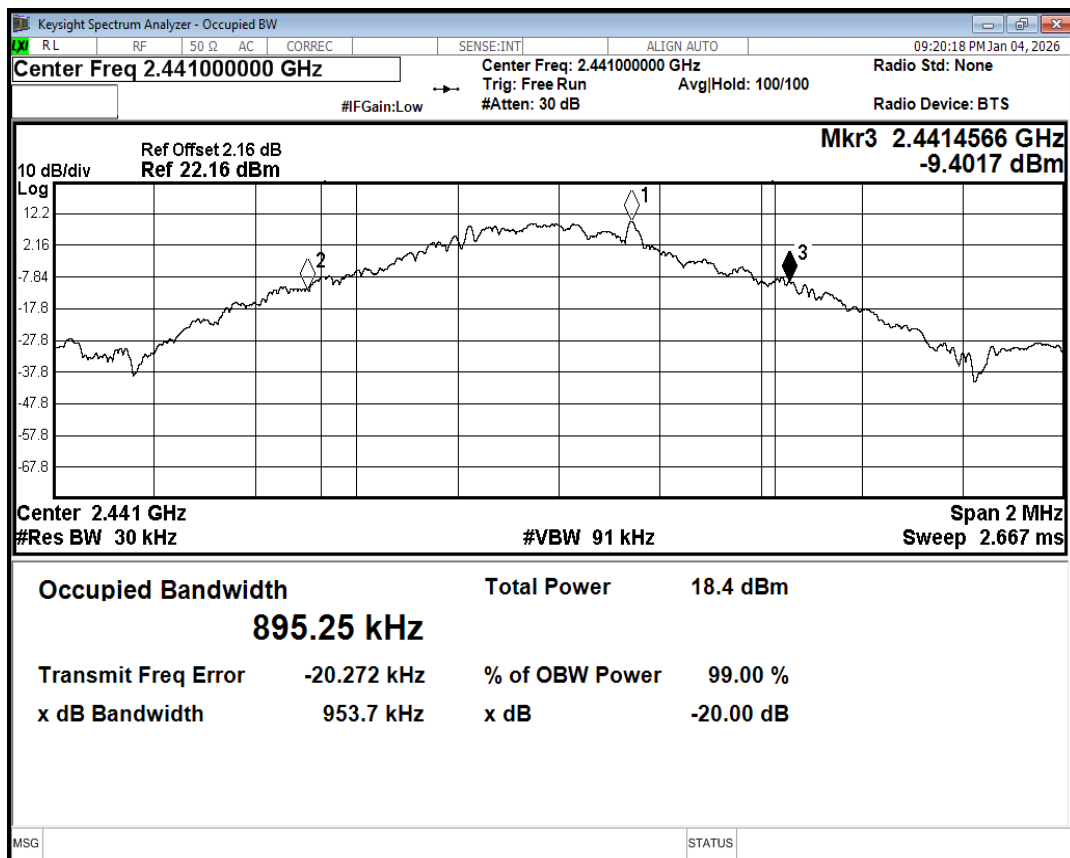
Temperature:	23.6°C
Relative Humidity:	54.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 -20dB Bandwidth

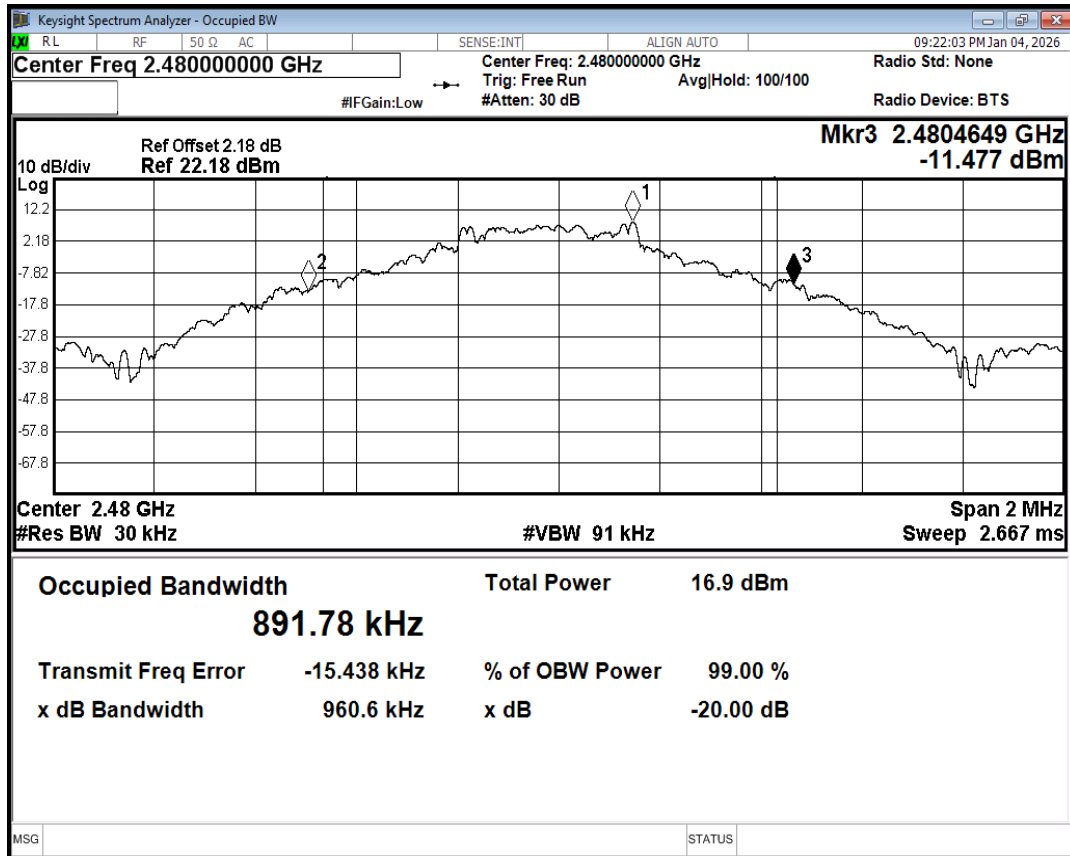
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.019	No Limit	Pass
NVNT	1-DH5	2441	Ant1	0.9537	No Limit	Pass
NVNT	1-DH5	2480	Ant1	0.9606	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.35	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.358	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.363	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.346	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.308	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.351	No Limit	Pass



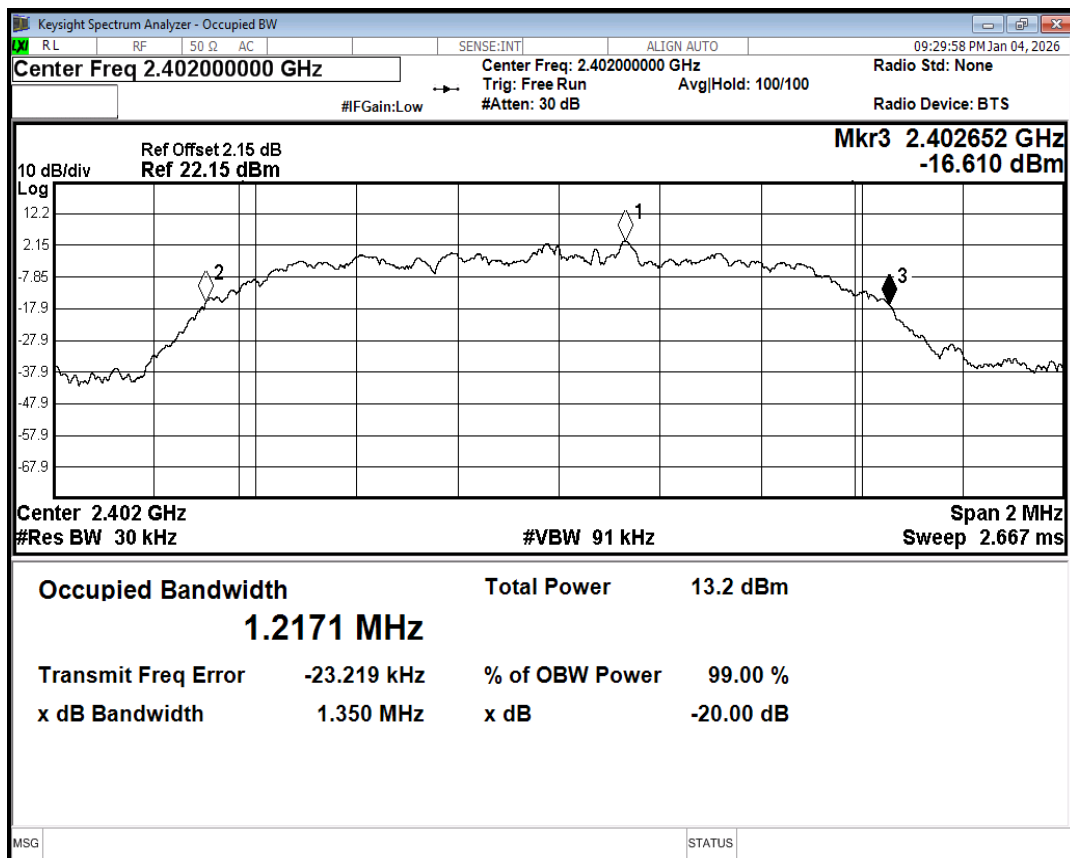
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



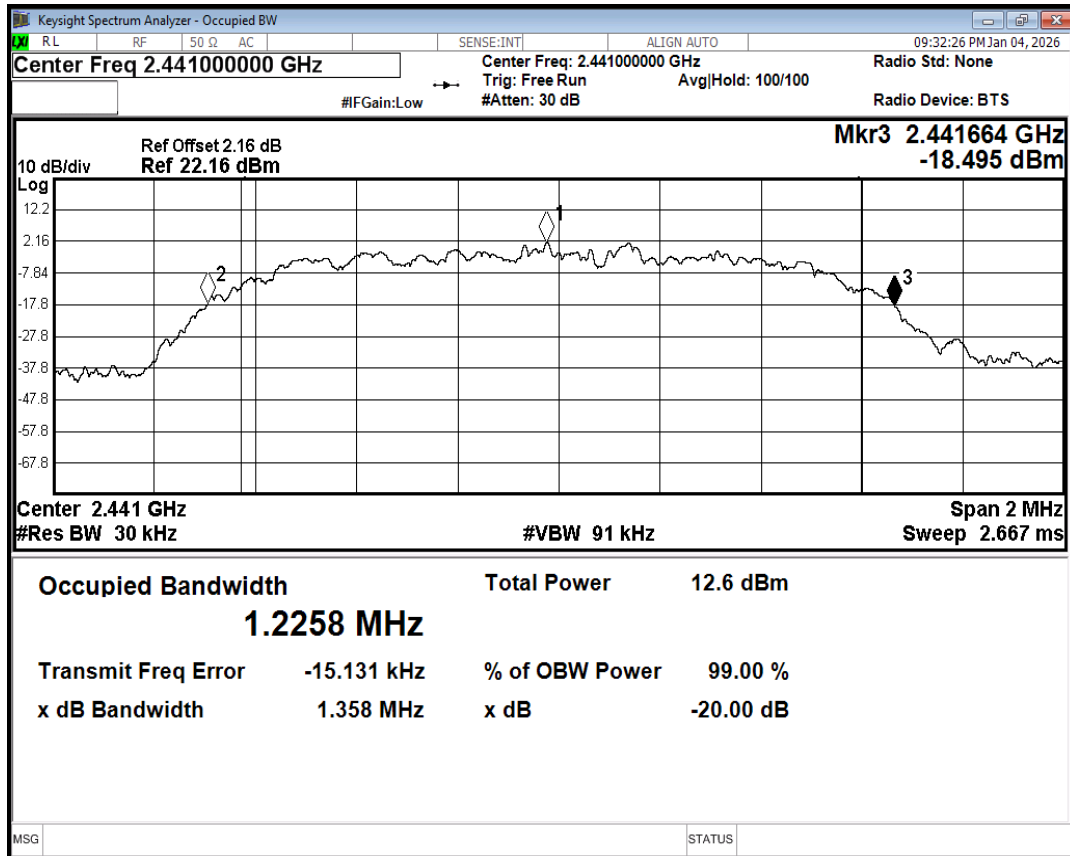
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



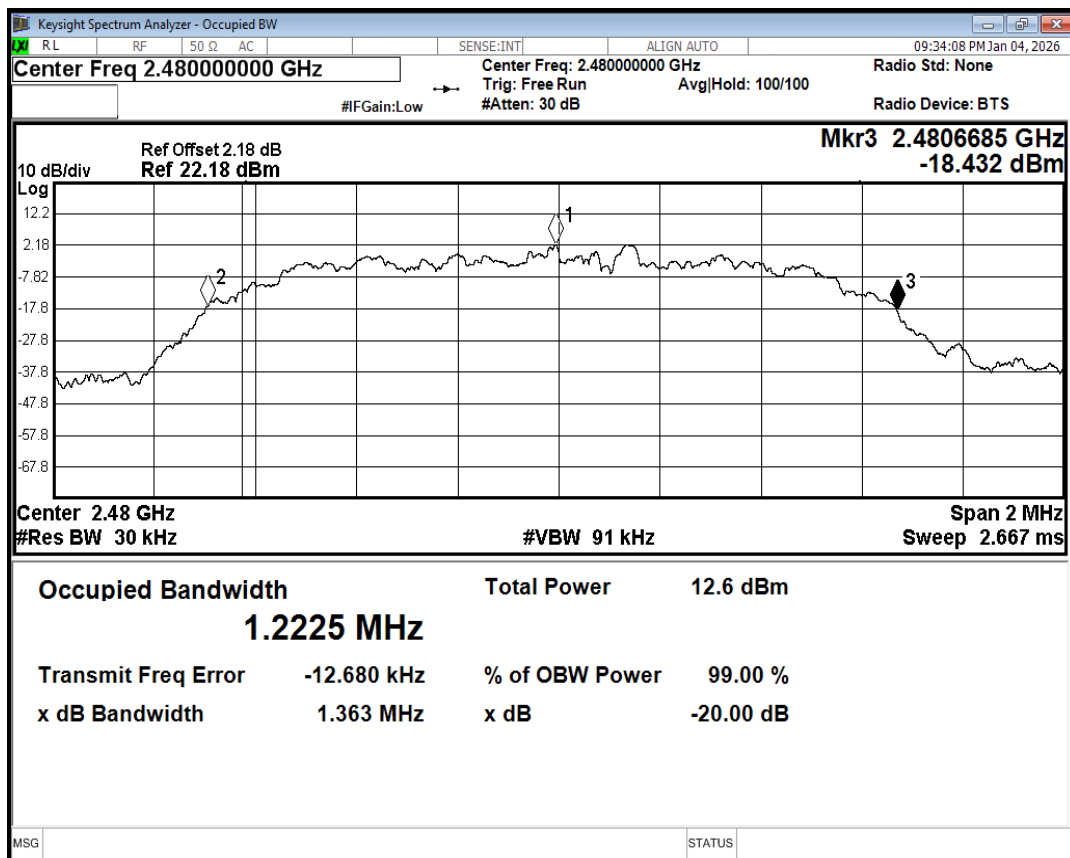
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



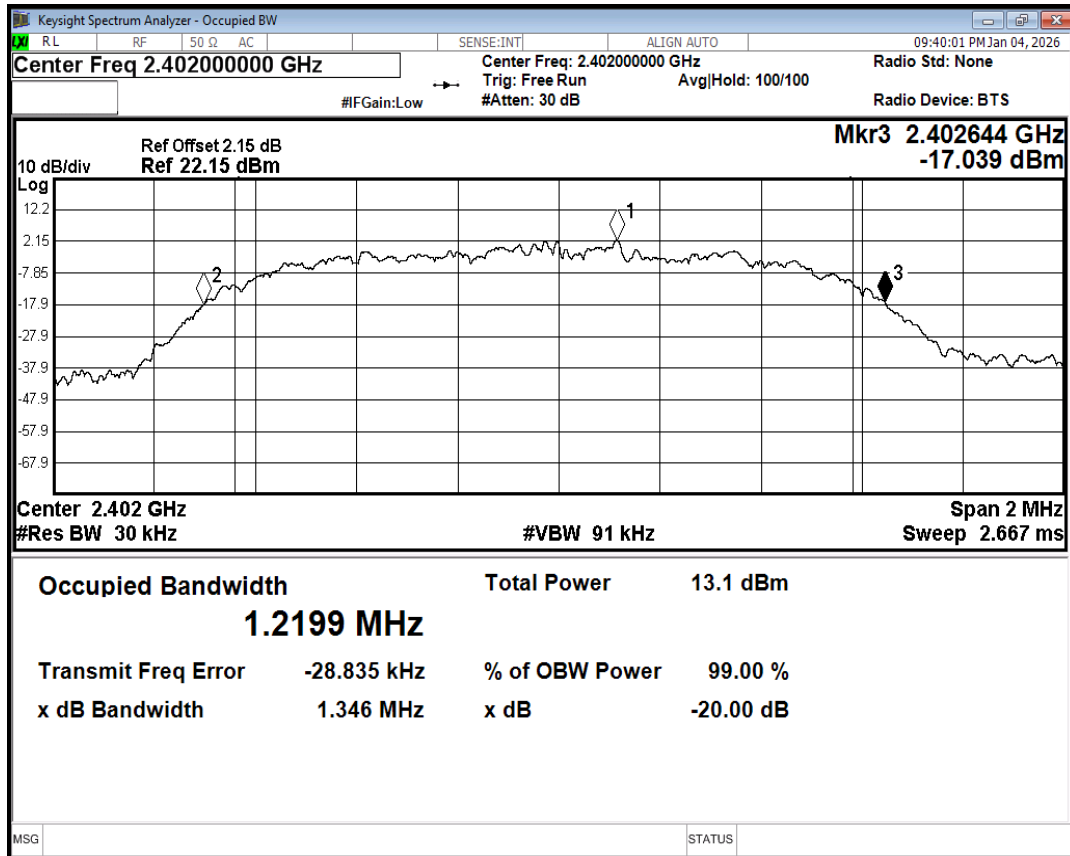
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



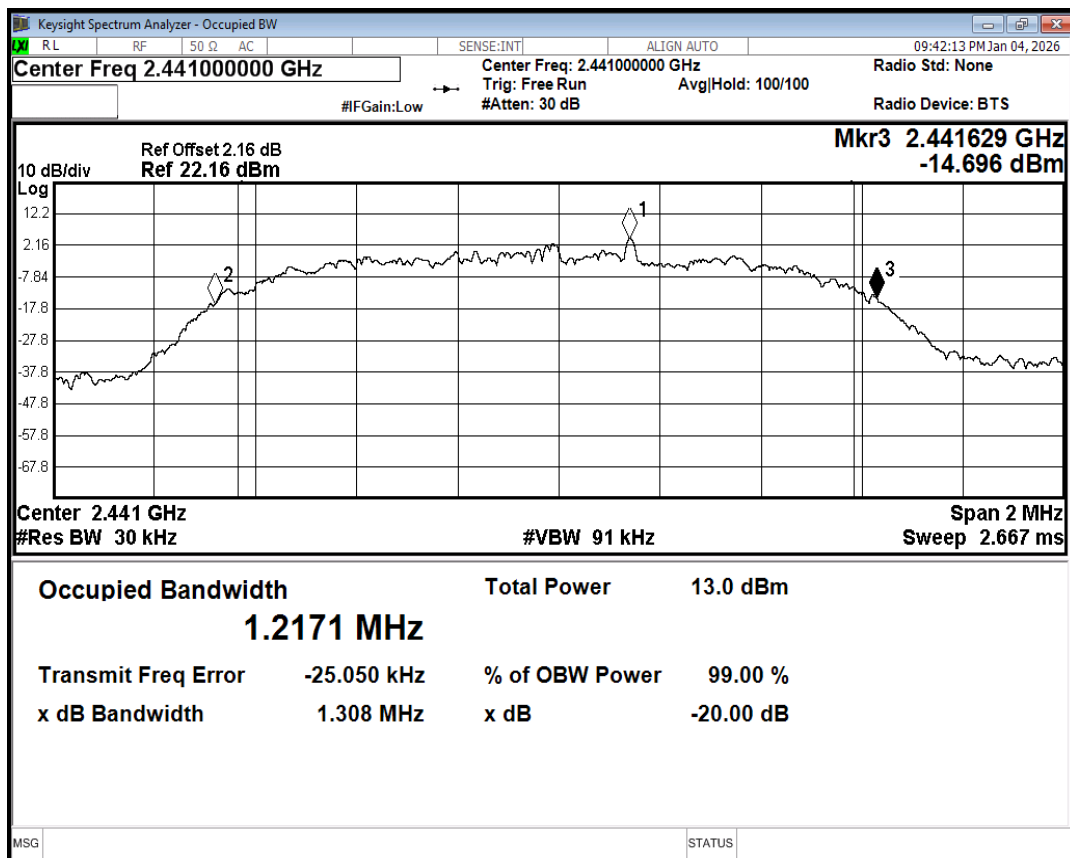
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



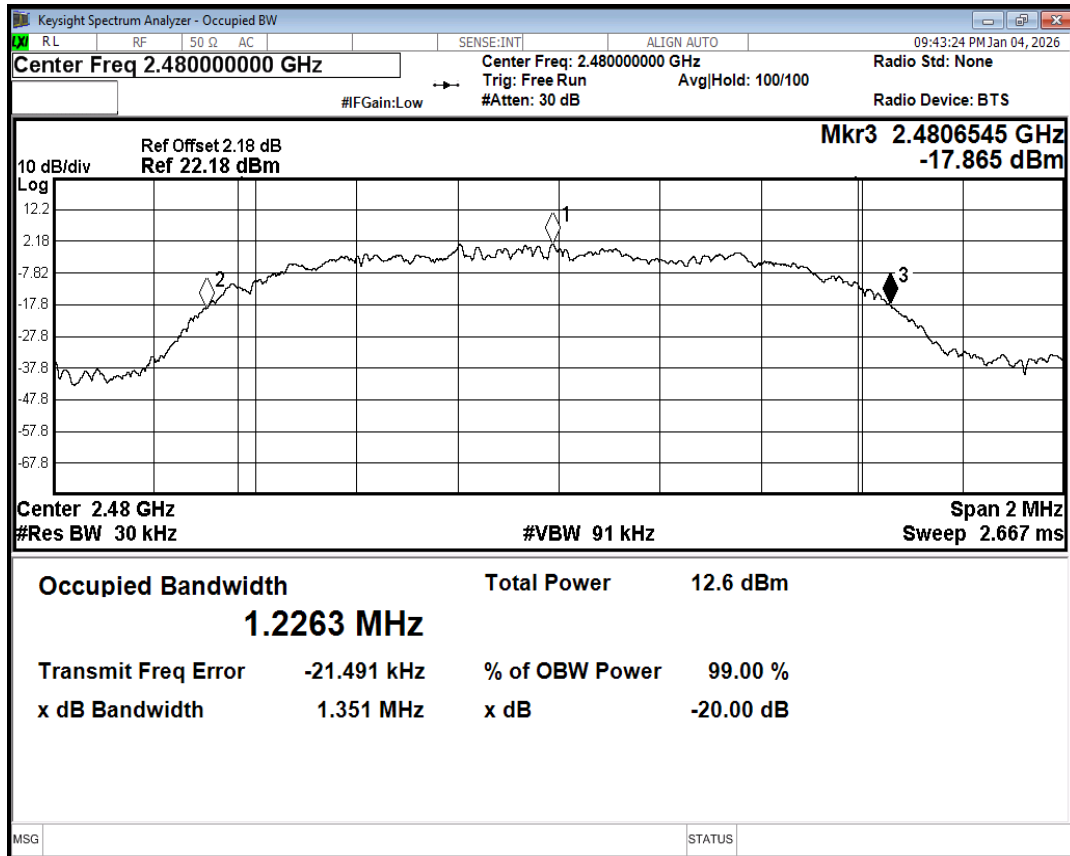
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



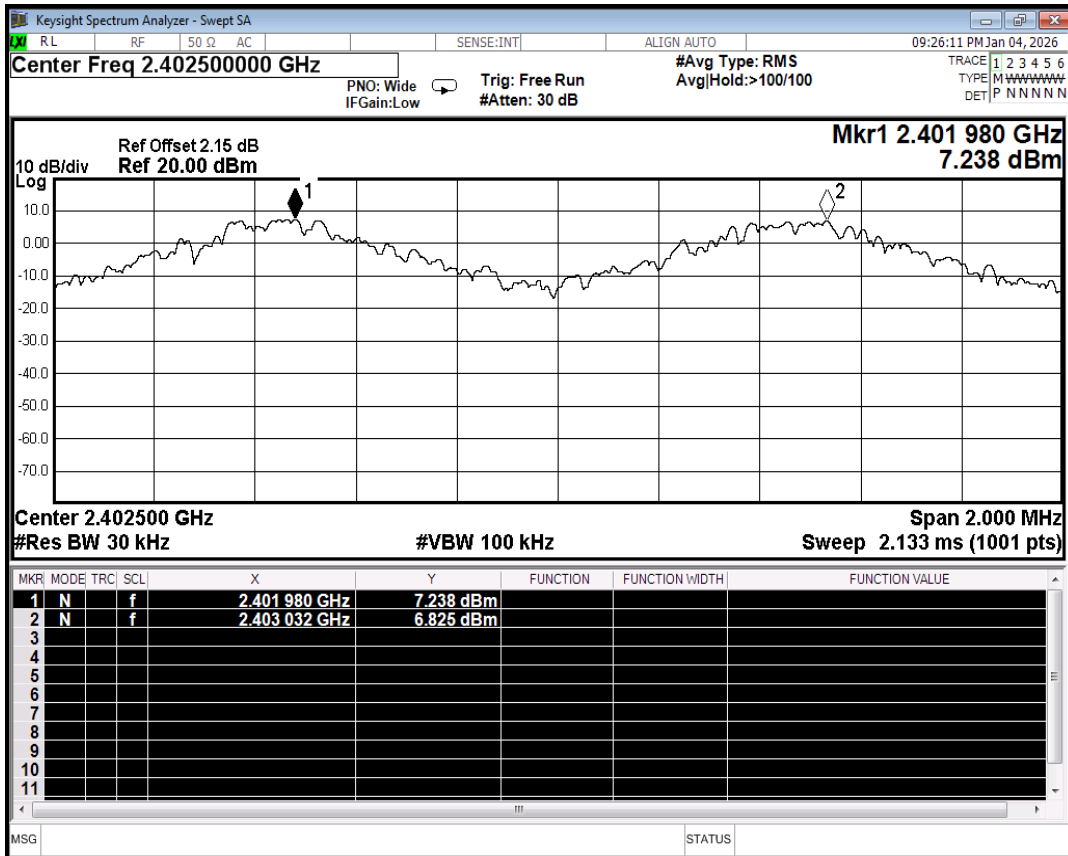
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

2 Maximum Peak Conducted Output Power

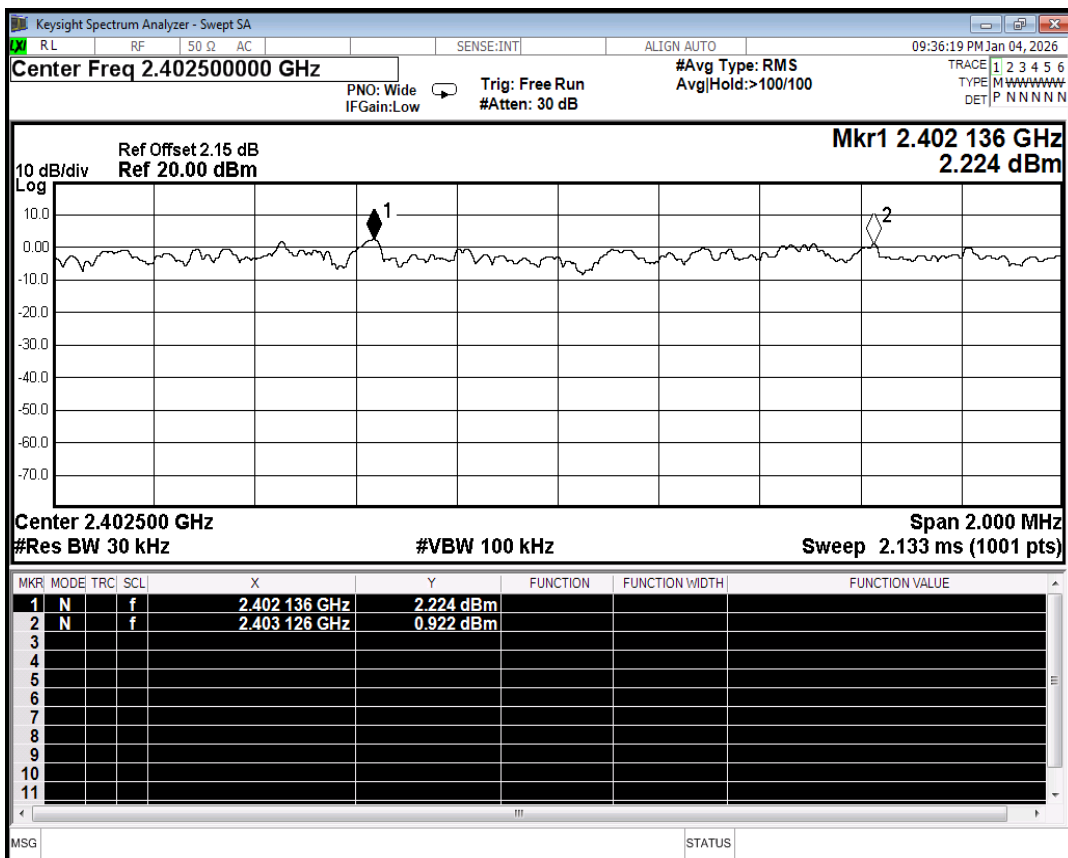
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	9.78	21	Pass
NVNT	1-DH5	2441	Ant1	11.73	21	Pass
NVNT	1-DH5	2480	Ant1	9.96	21	Pass
NVNT	2-DH5	2402	Ant1	8.29	21	Pass
NVNT	2-DH5	2441	Ant1	7.96	21	Pass
NVNT	2-DH5	2480	Ant1	7.88	21	Pass
NVNT	3-DH5	2402	Ant1	8.61	21	Pass
NVNT	3-DH5	2441	Ant1	8.29	21	Pass
NVNT	3-DH5	2480	Ant1	8.2	21	Pass

3 Carrier Frequencies Separation

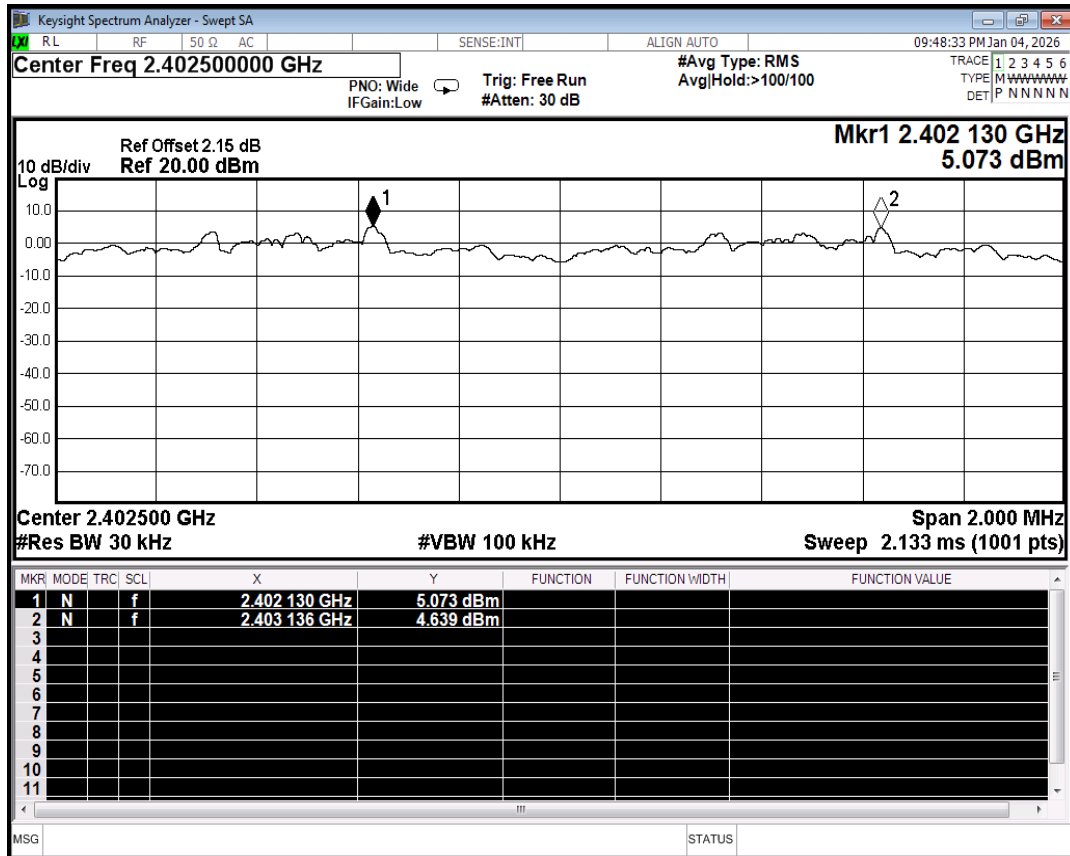
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.98	2403.032	1.052	0.679	Pass
NVNT	2-DH5	Ant1	2402.136	2403.126	0.99	0.909	Pass
NVNT	3-DH5	Ant1	2402.13	2403.136	1.006	0.901	Pass



CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

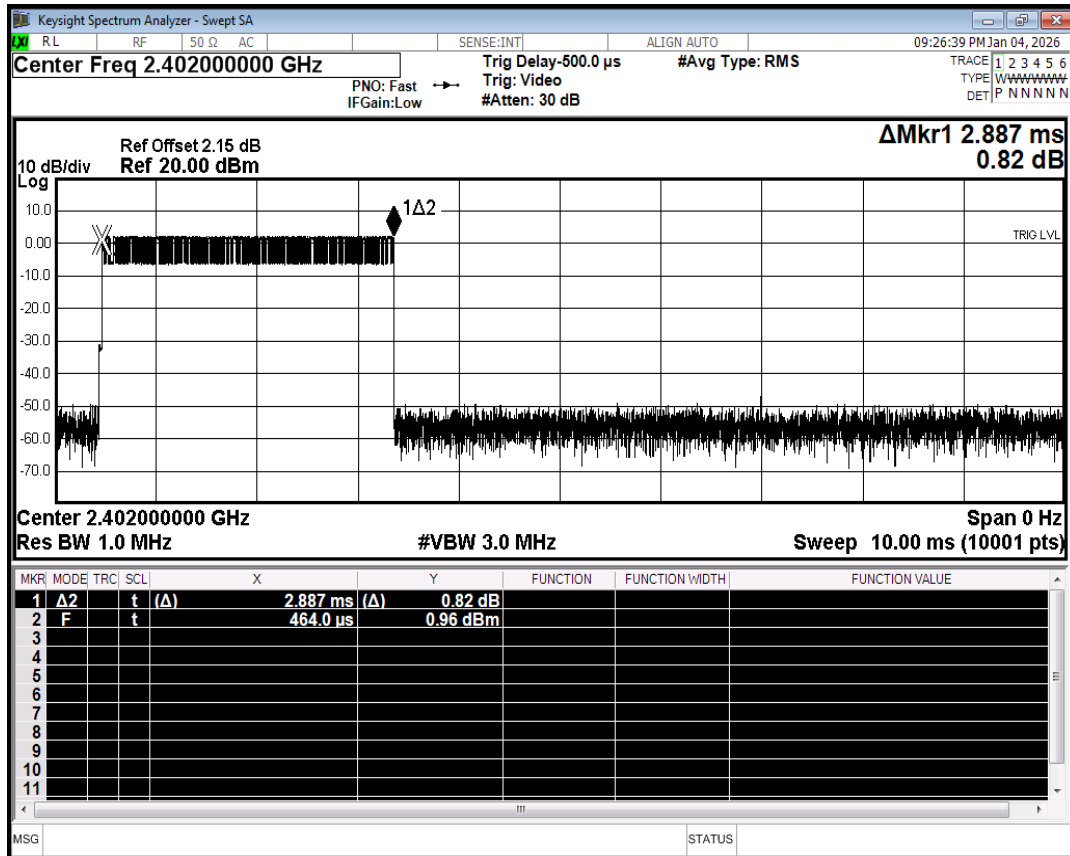


CFS NVNT 3-DH5 2402MHz Ant1

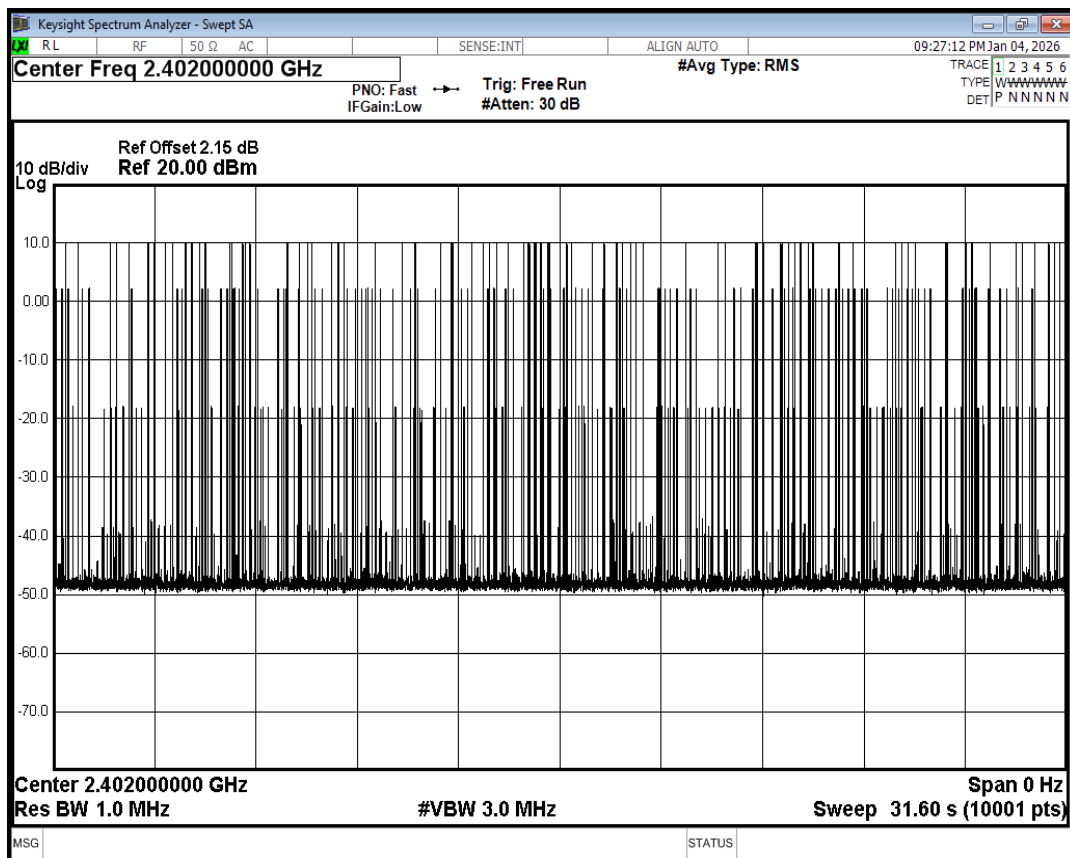


4 Dwell Time

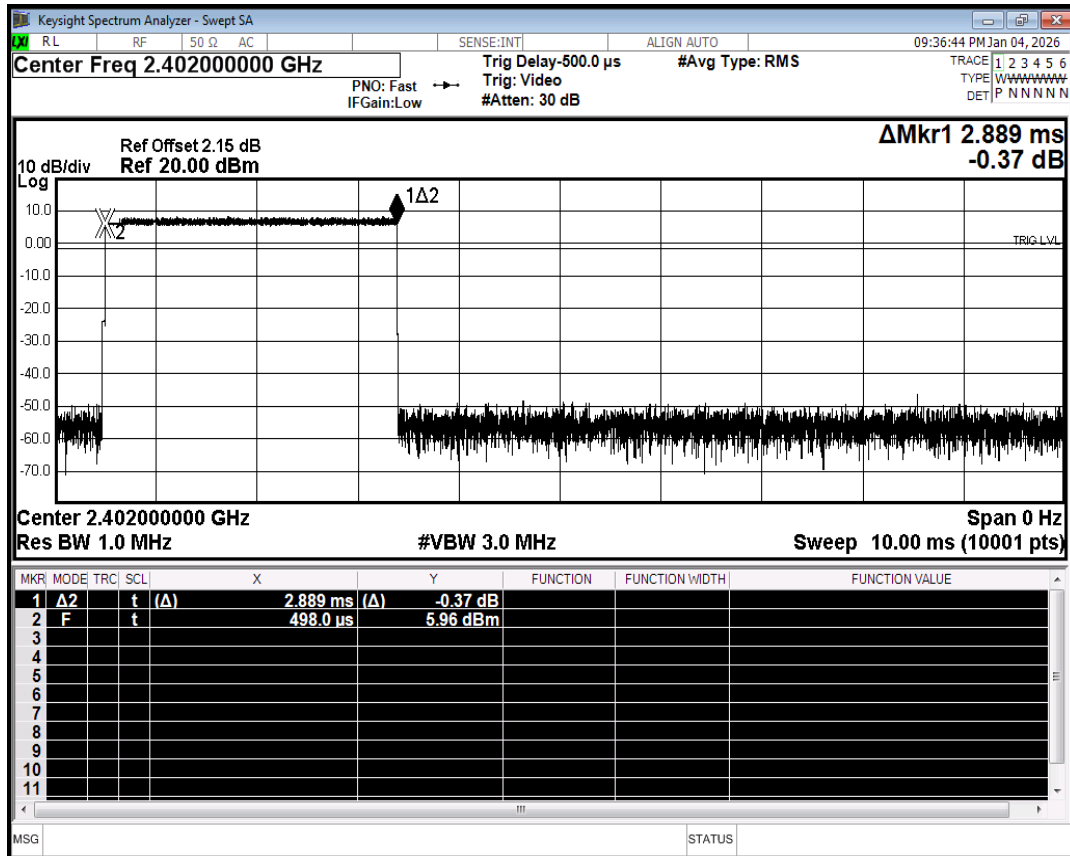
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.887	265.604	92	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.889	306.234	106	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.89	291.89	101	31600	400	Pass



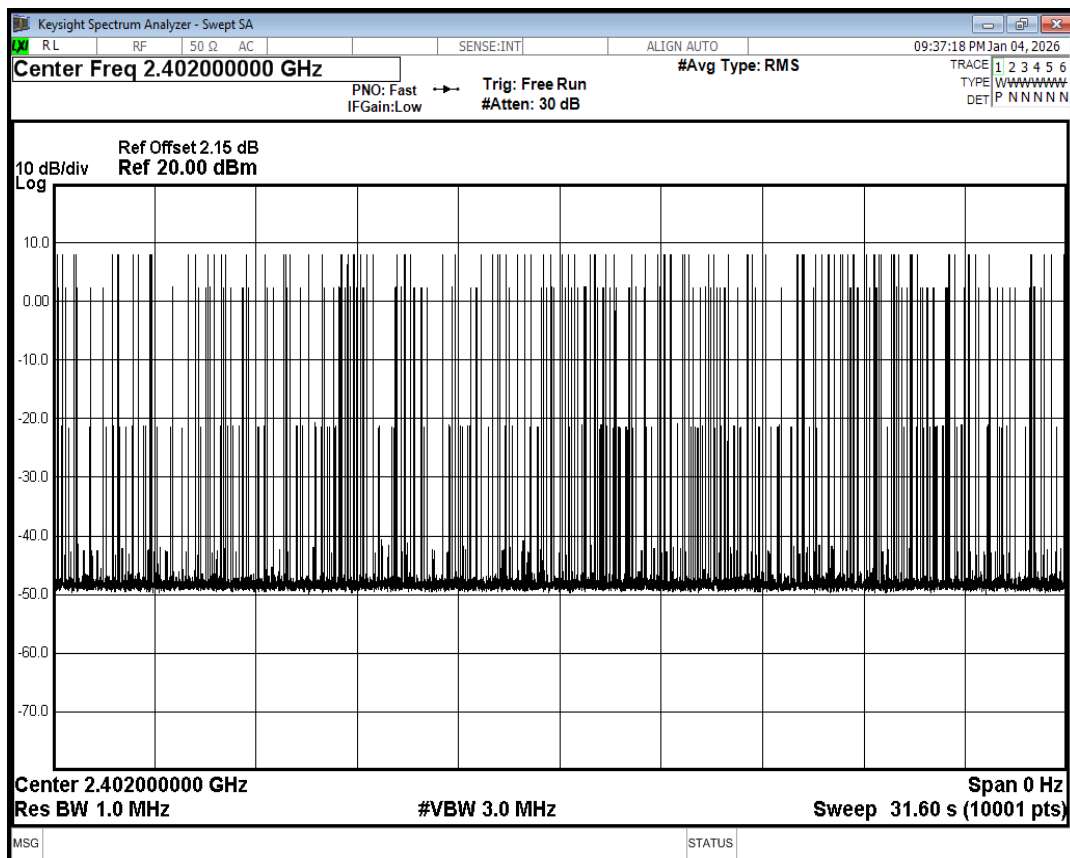
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



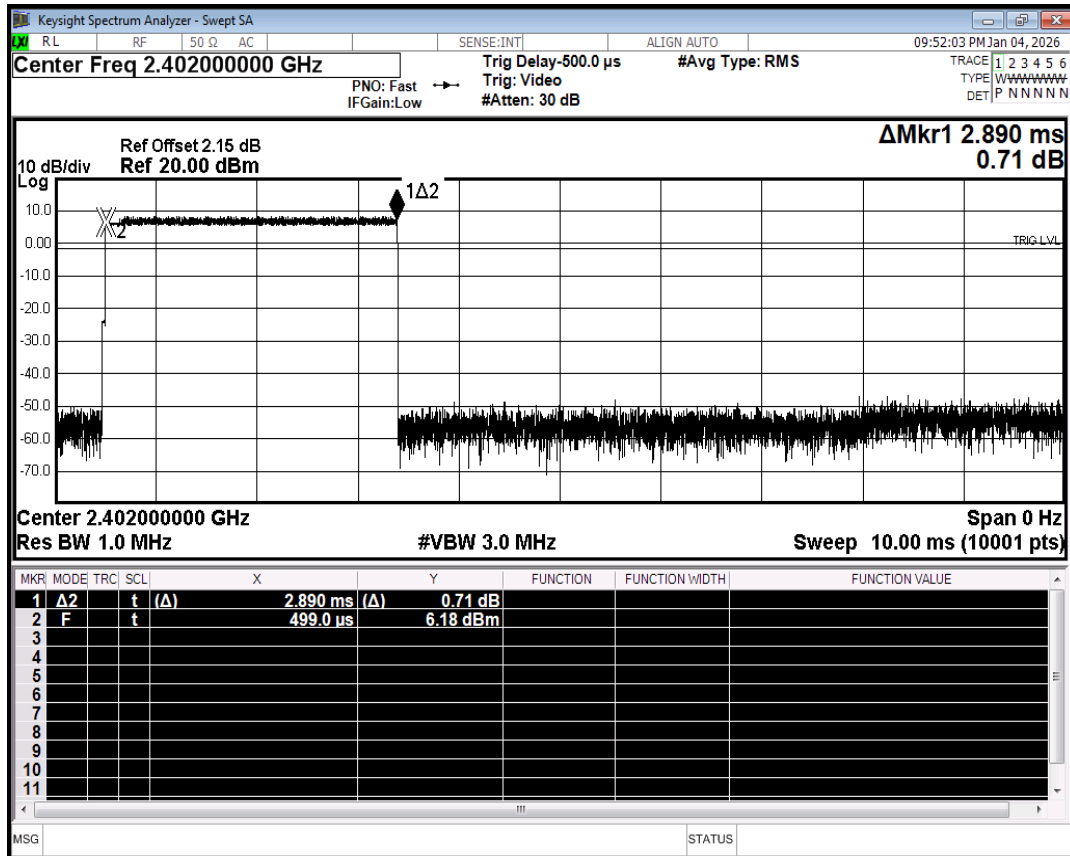
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



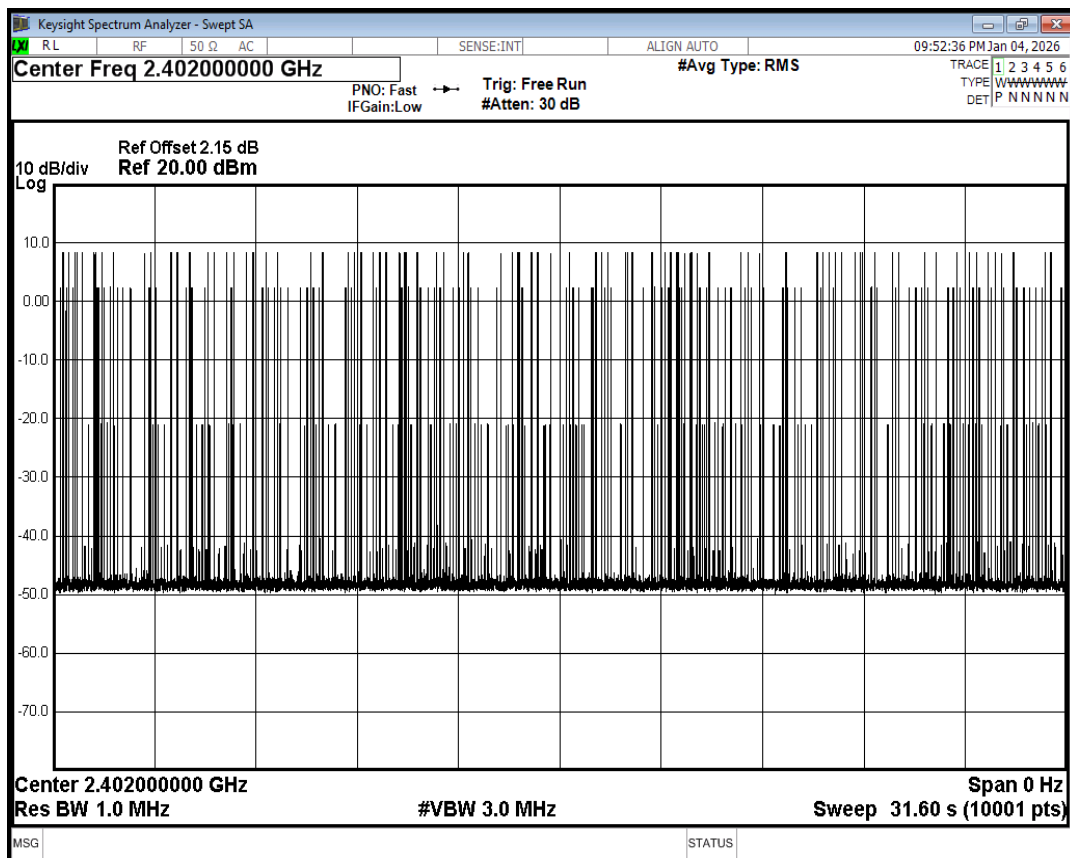
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

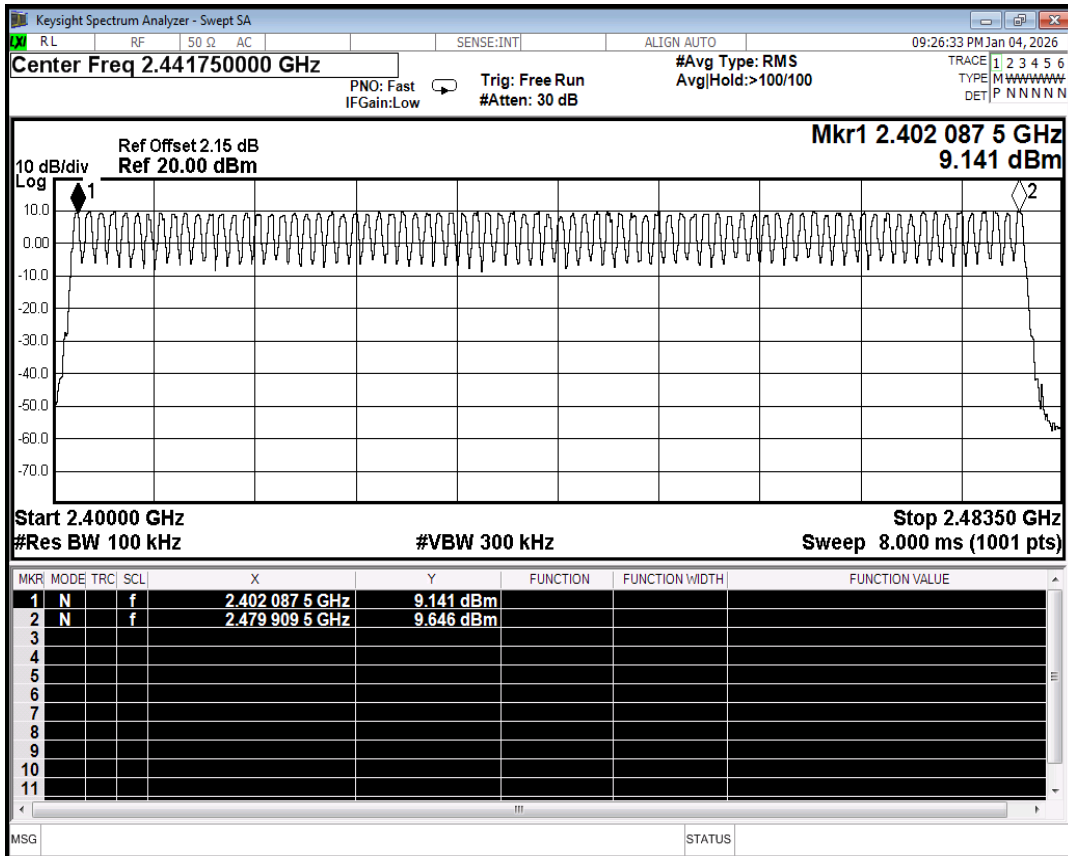


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

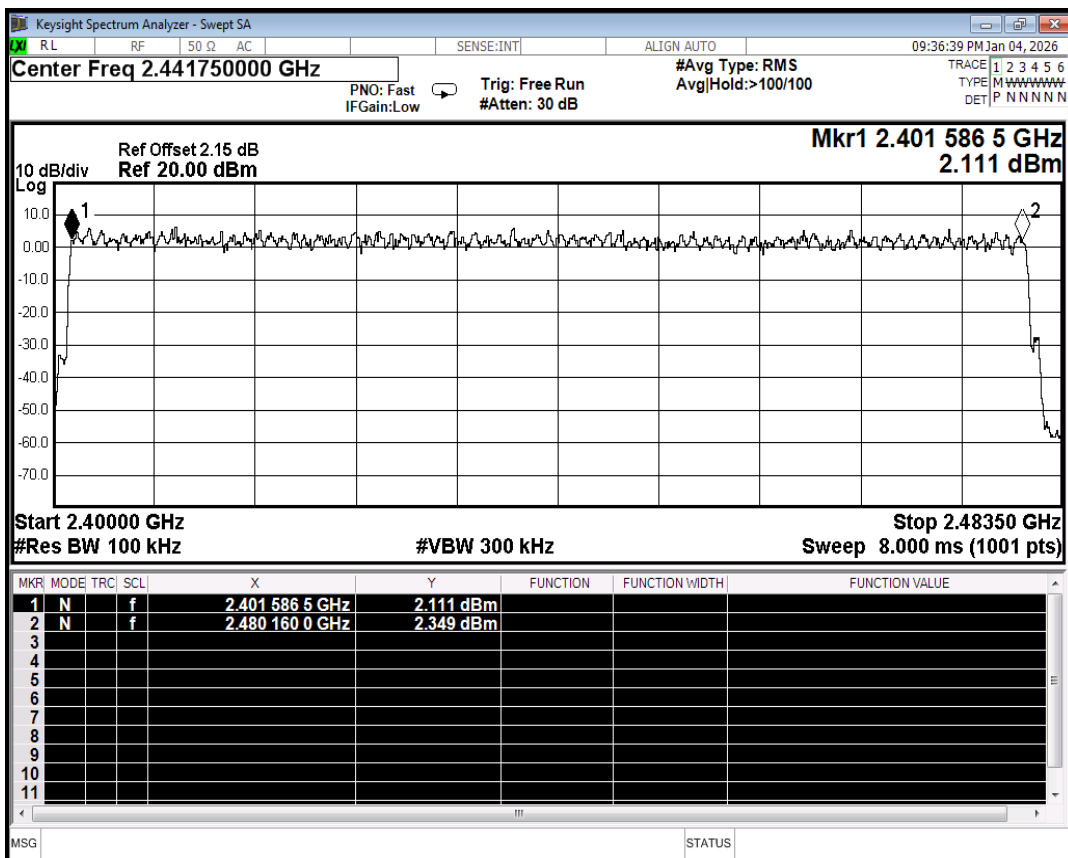


5 Number of Hopping Channel

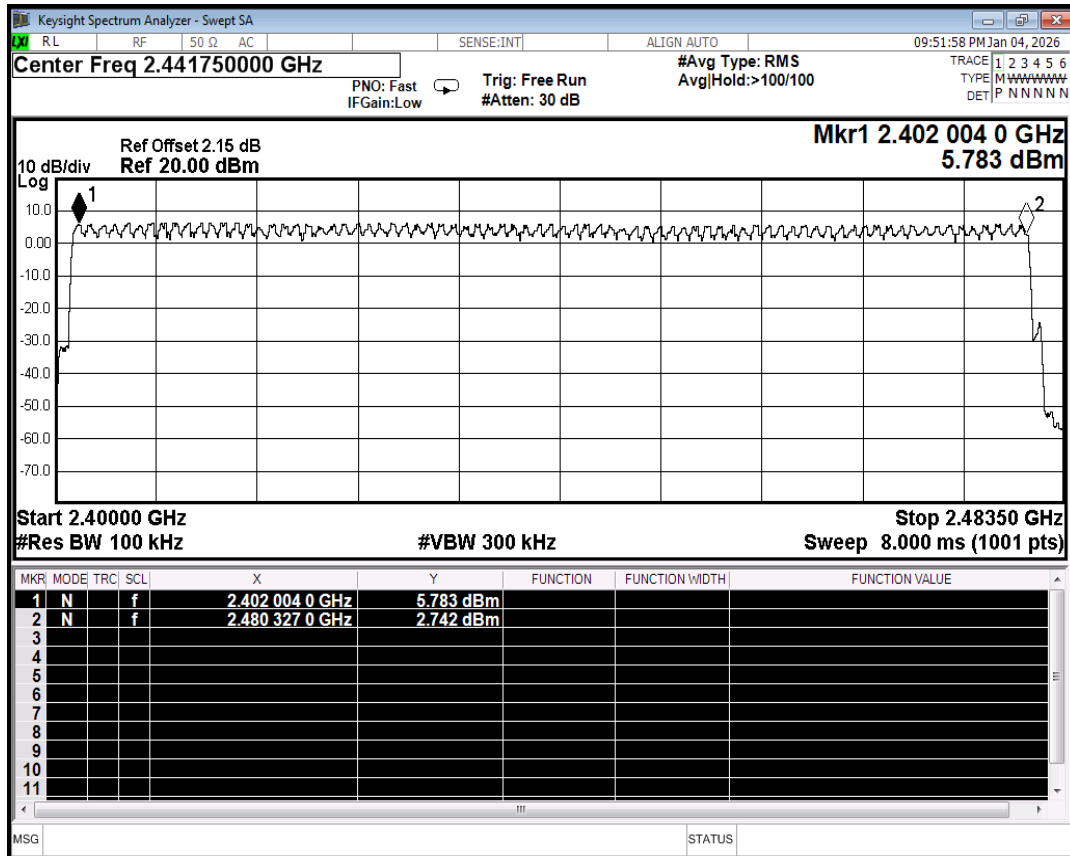
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

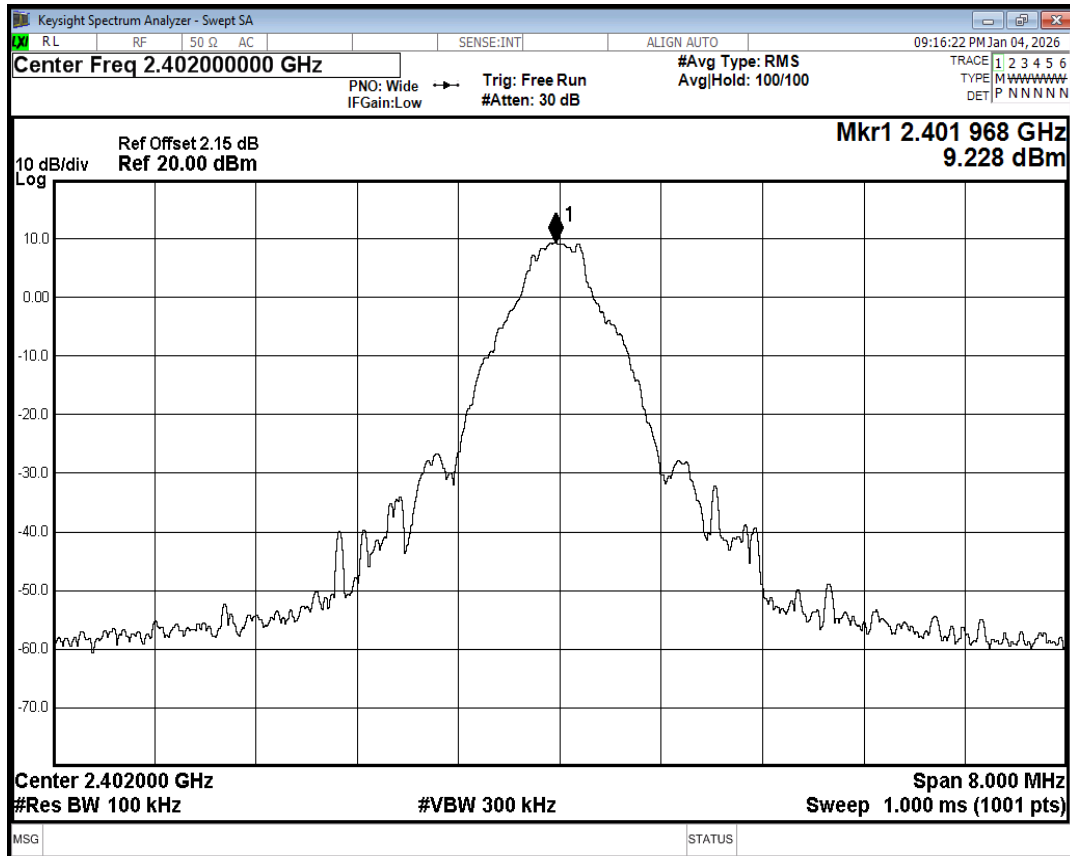


Hopping No. NVNT 3-DH5 2402MHz Ant1

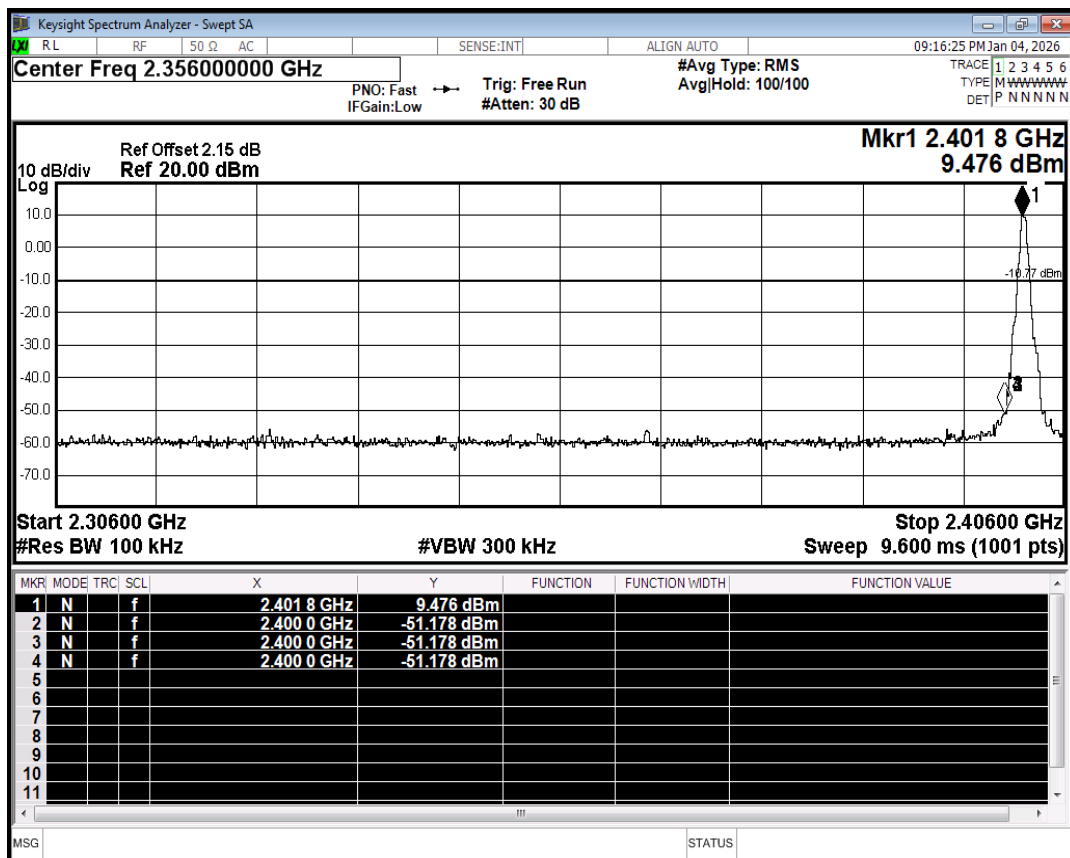


6 Band Edge

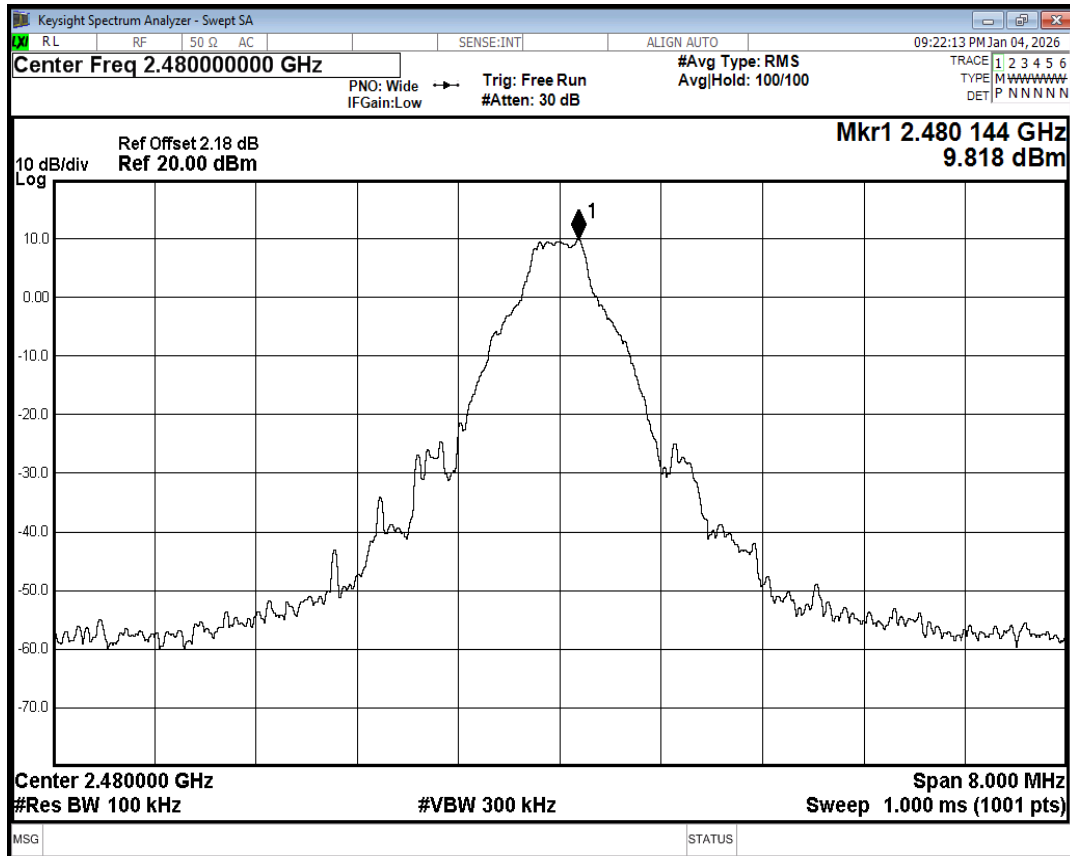
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-60.4	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-65.01	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.12	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-61.84	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-57.03	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.86	-20	Pass



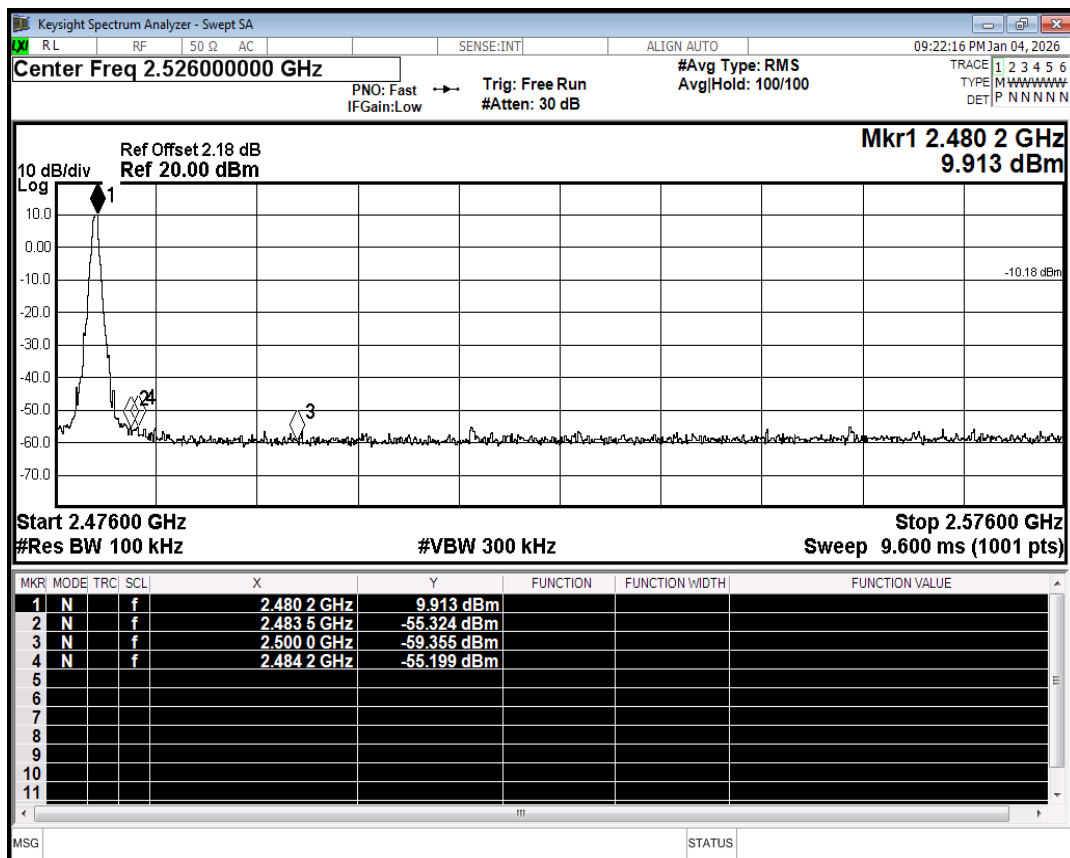
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



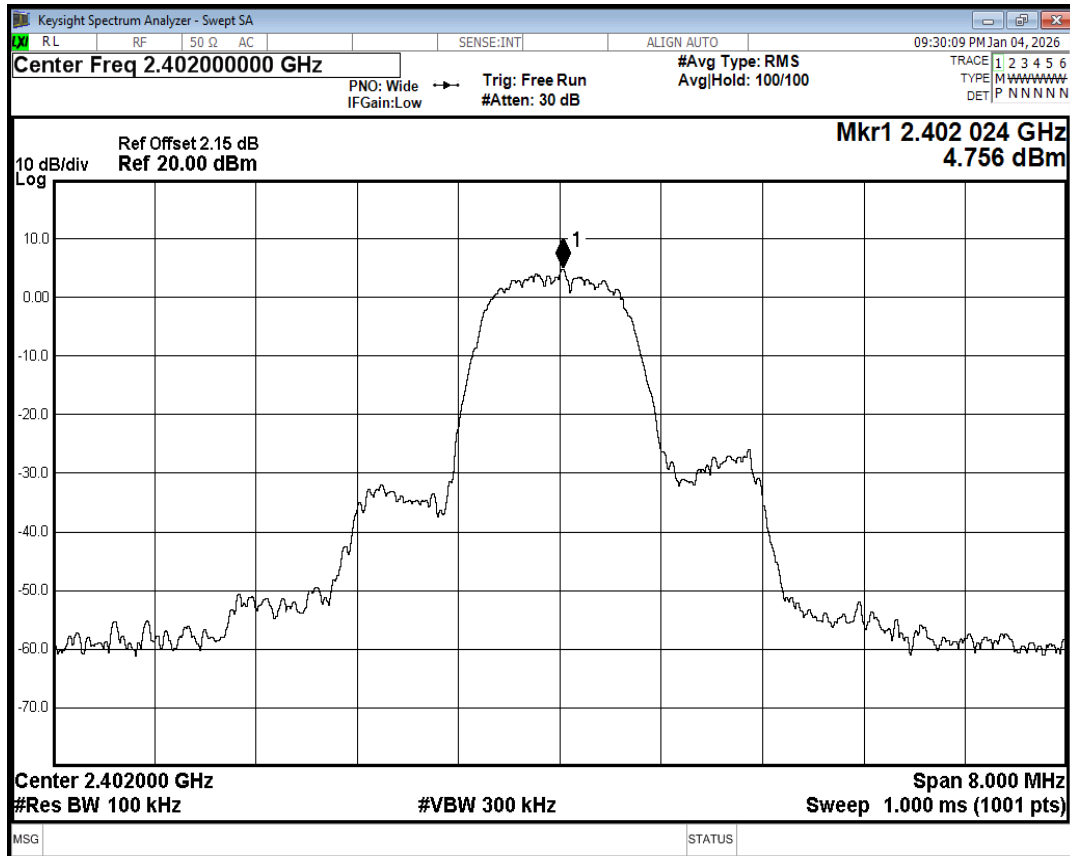
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



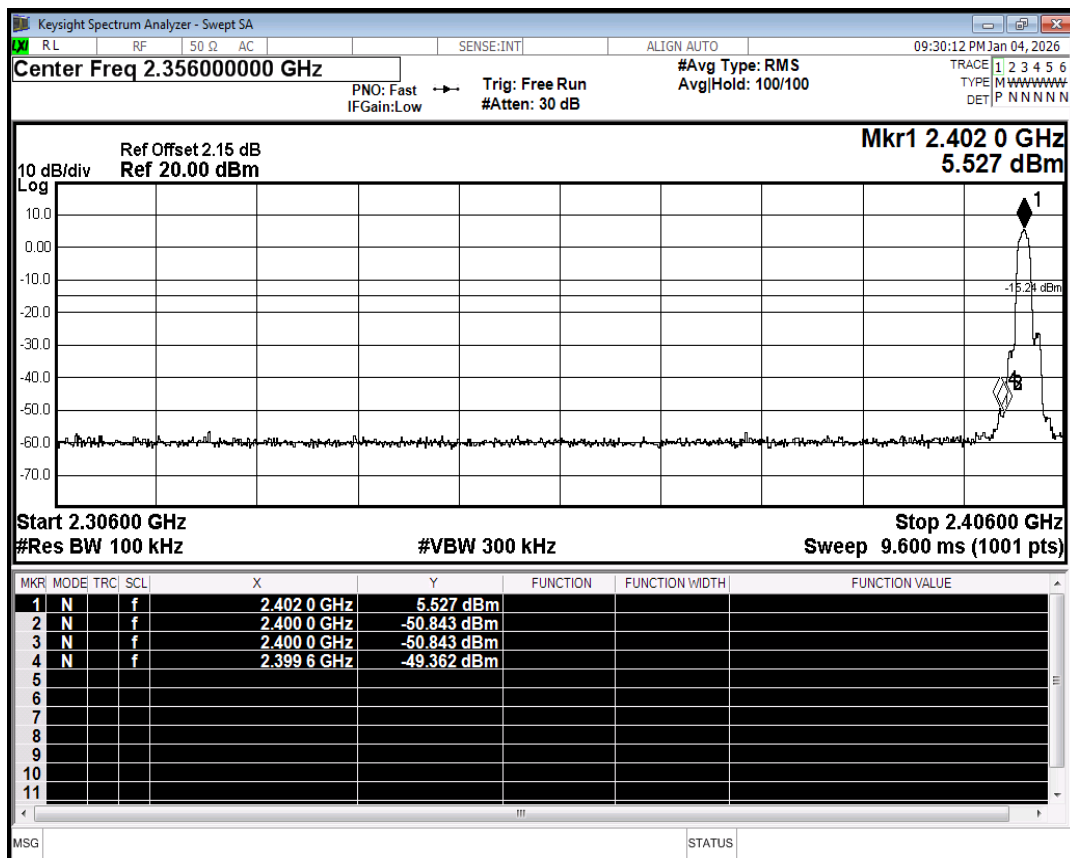
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



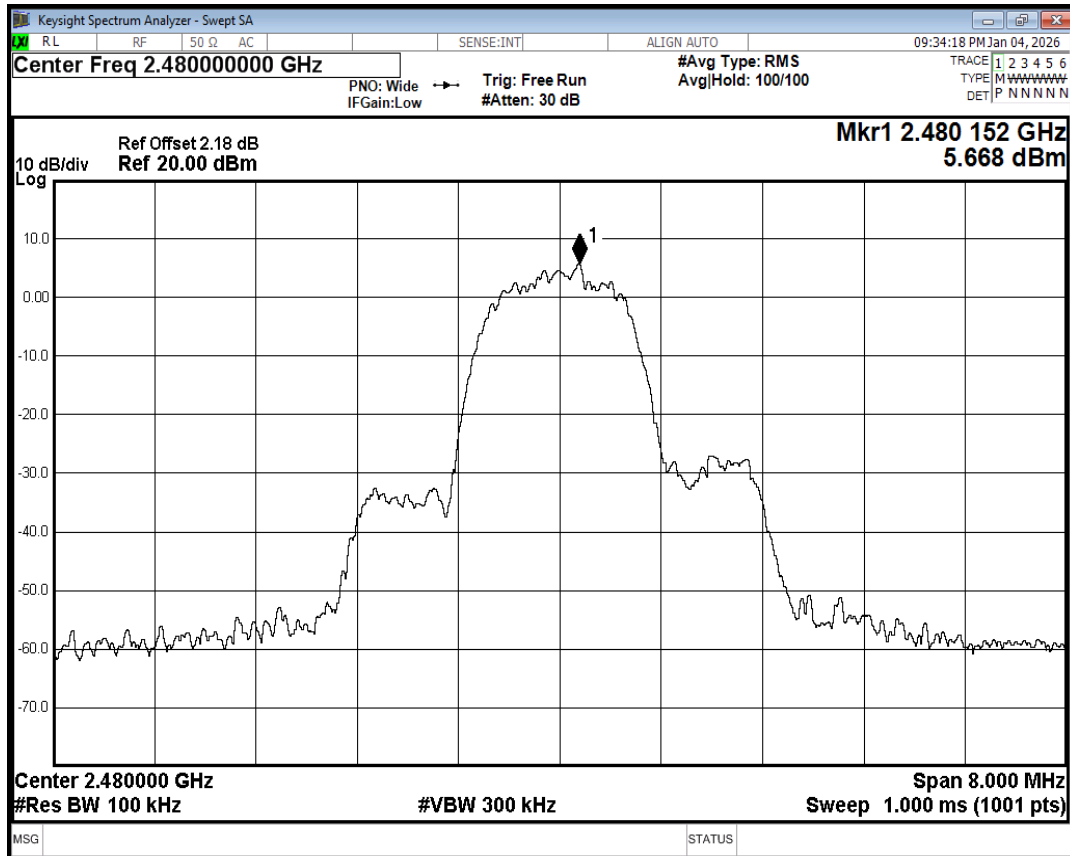
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



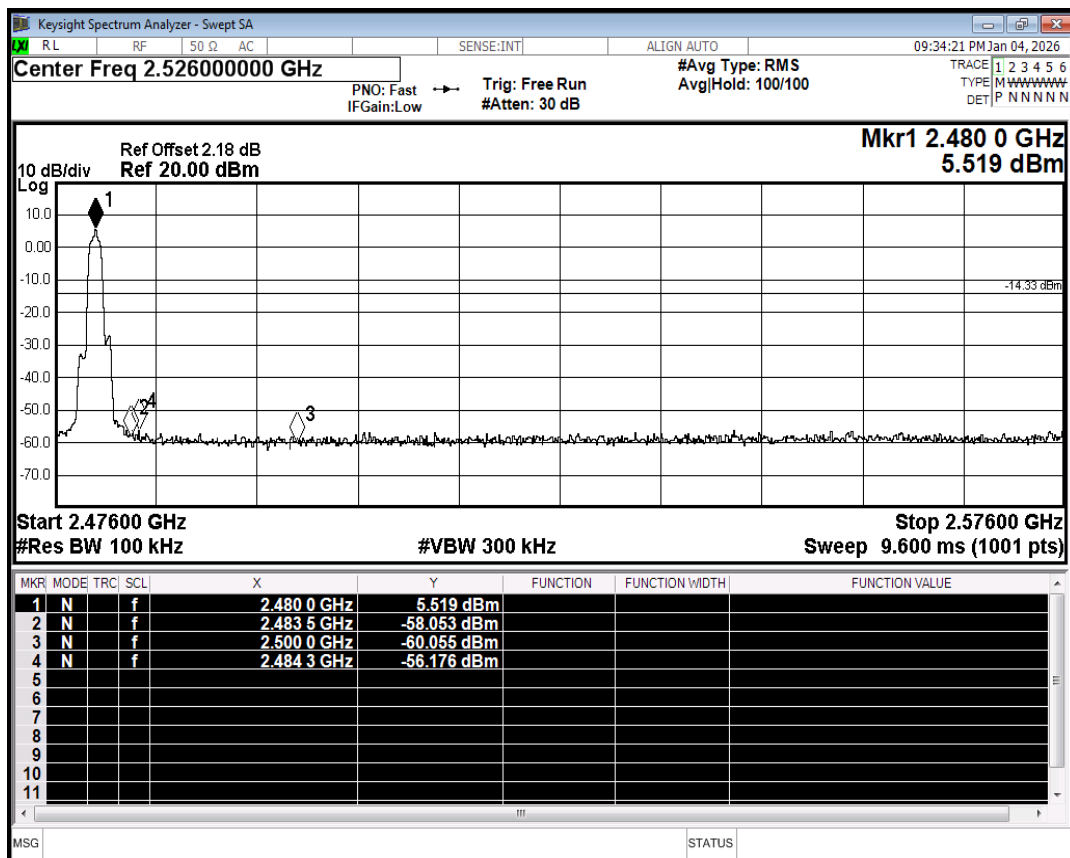
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



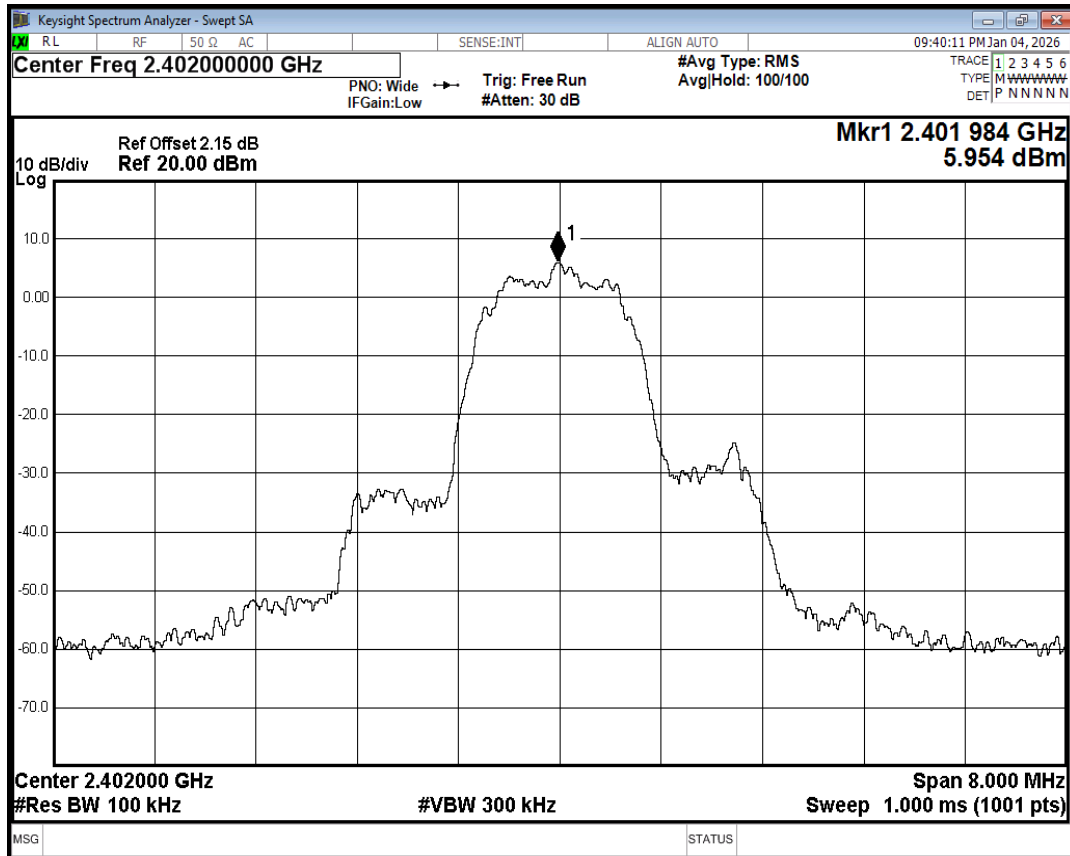
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



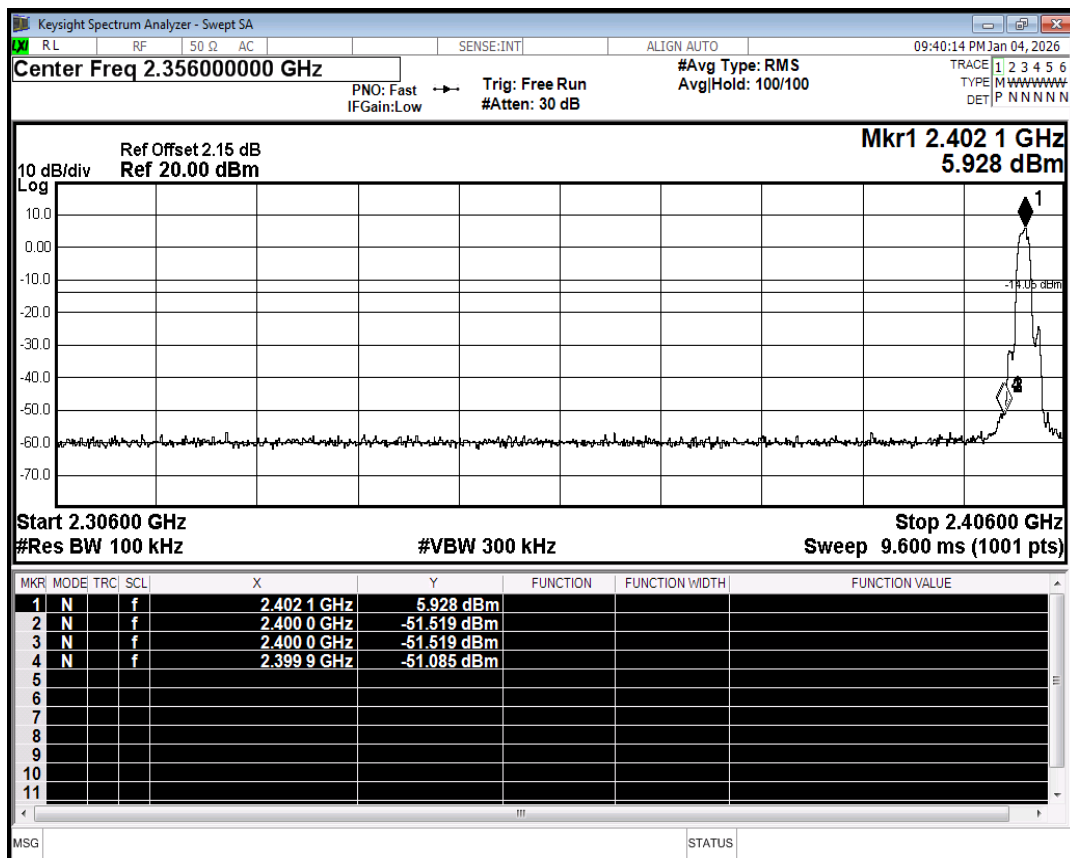
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



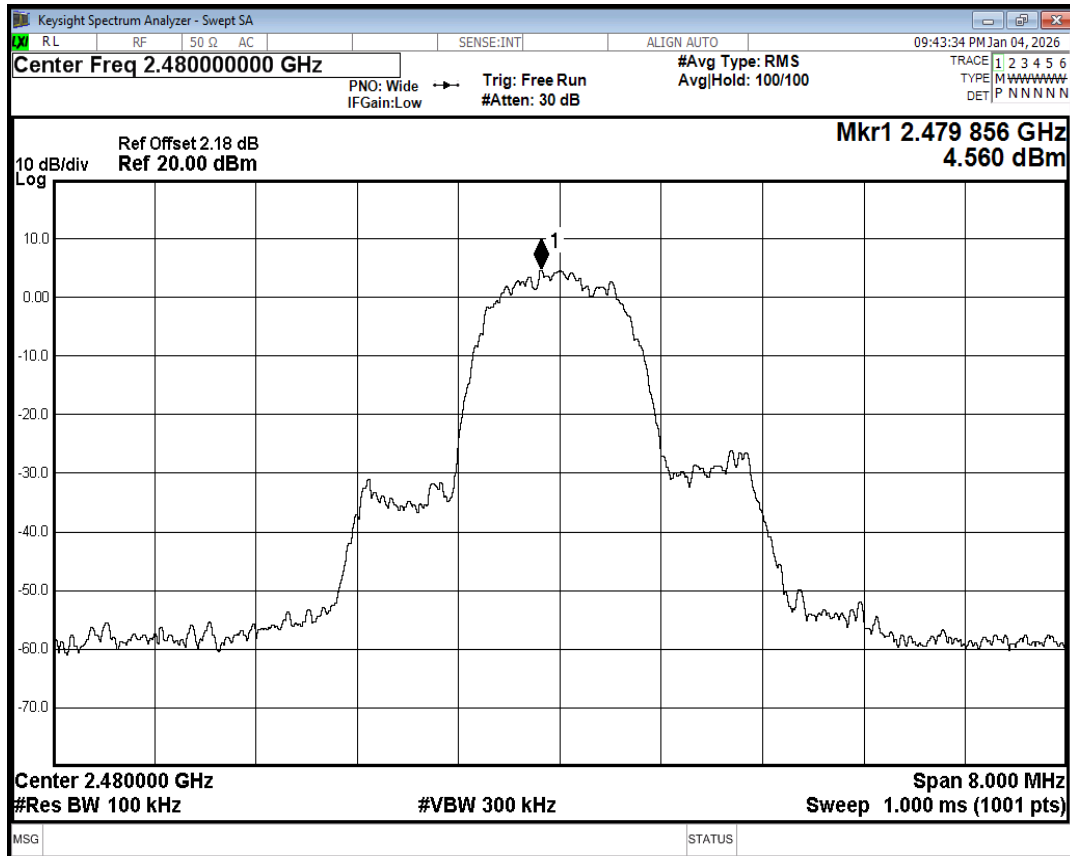
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



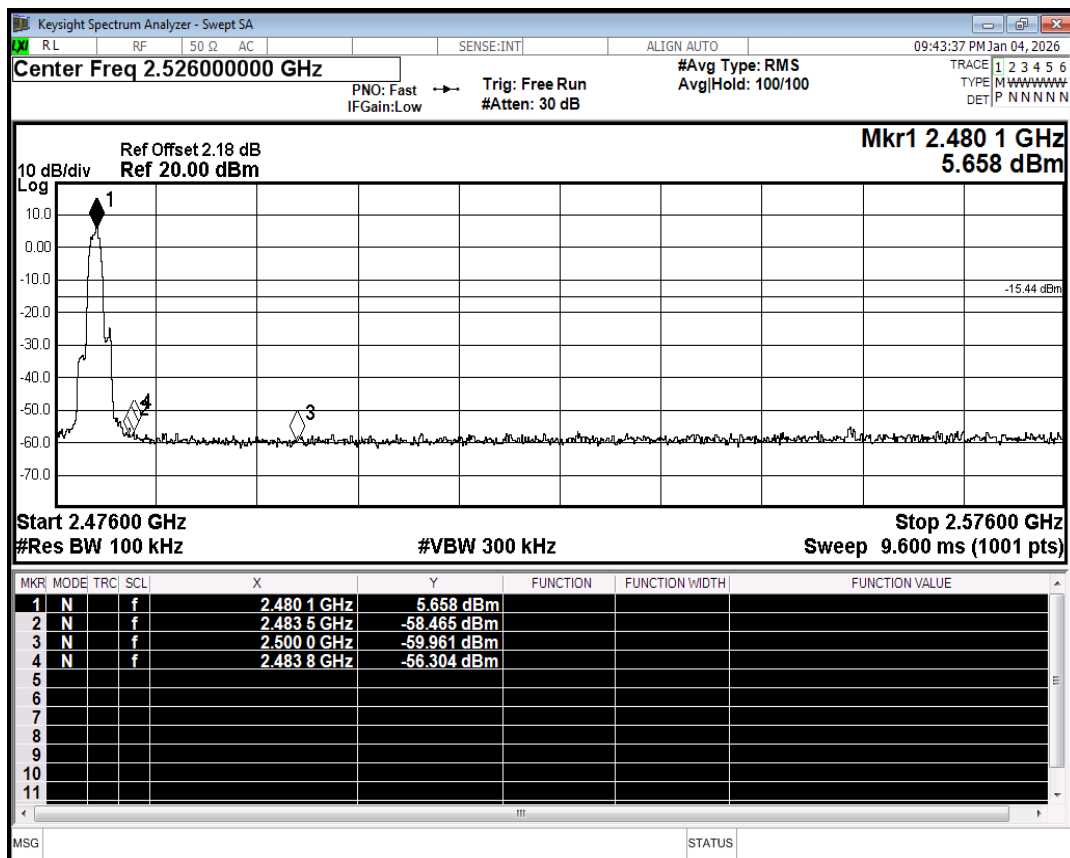
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



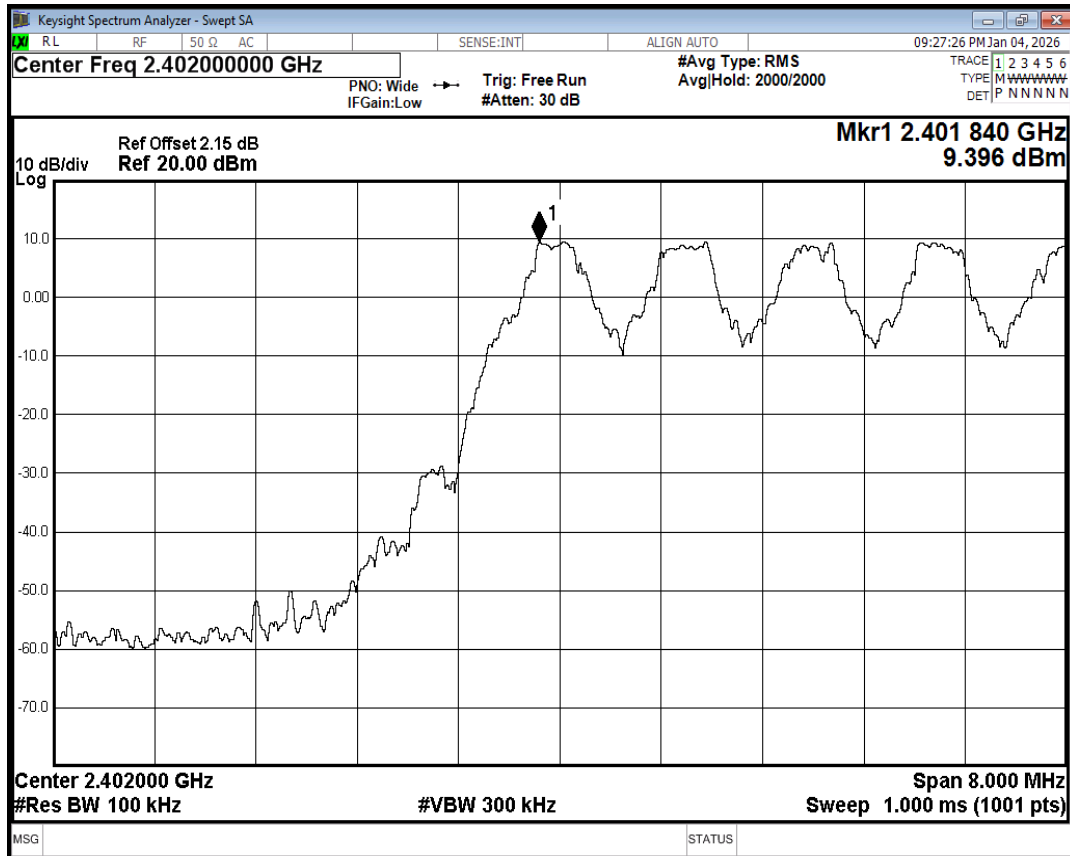
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



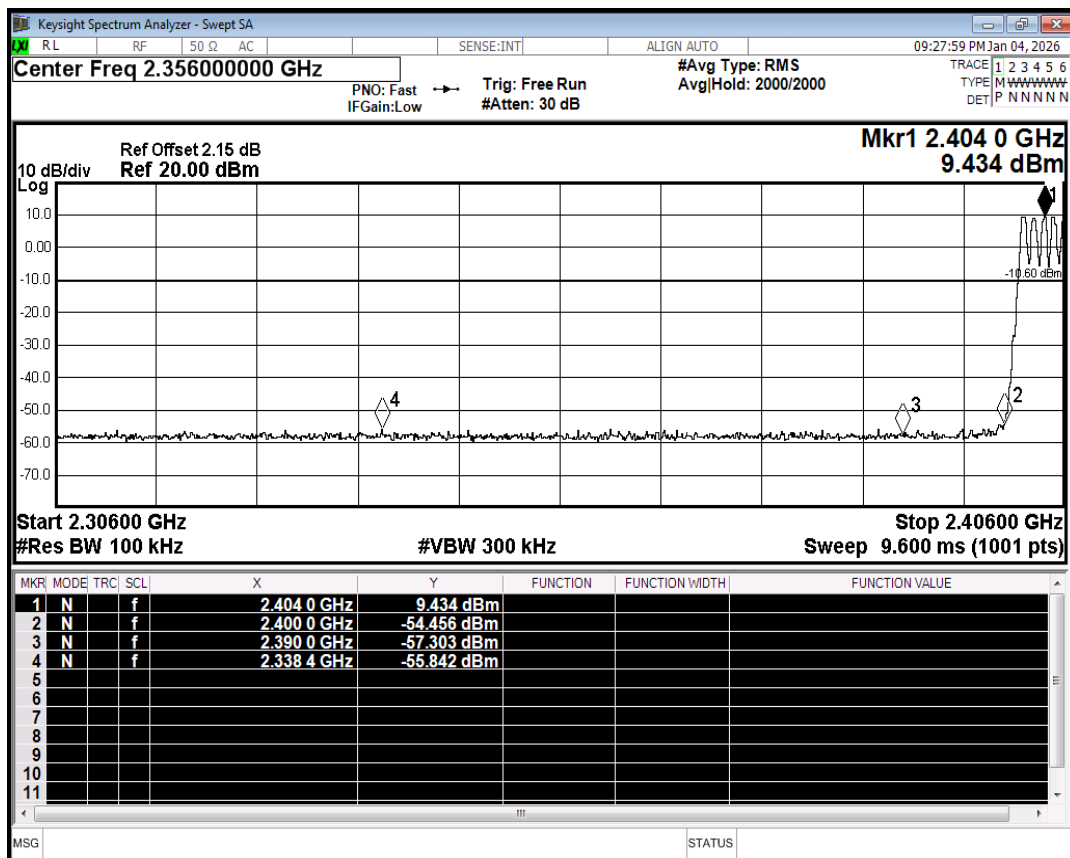
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

(Hopping)

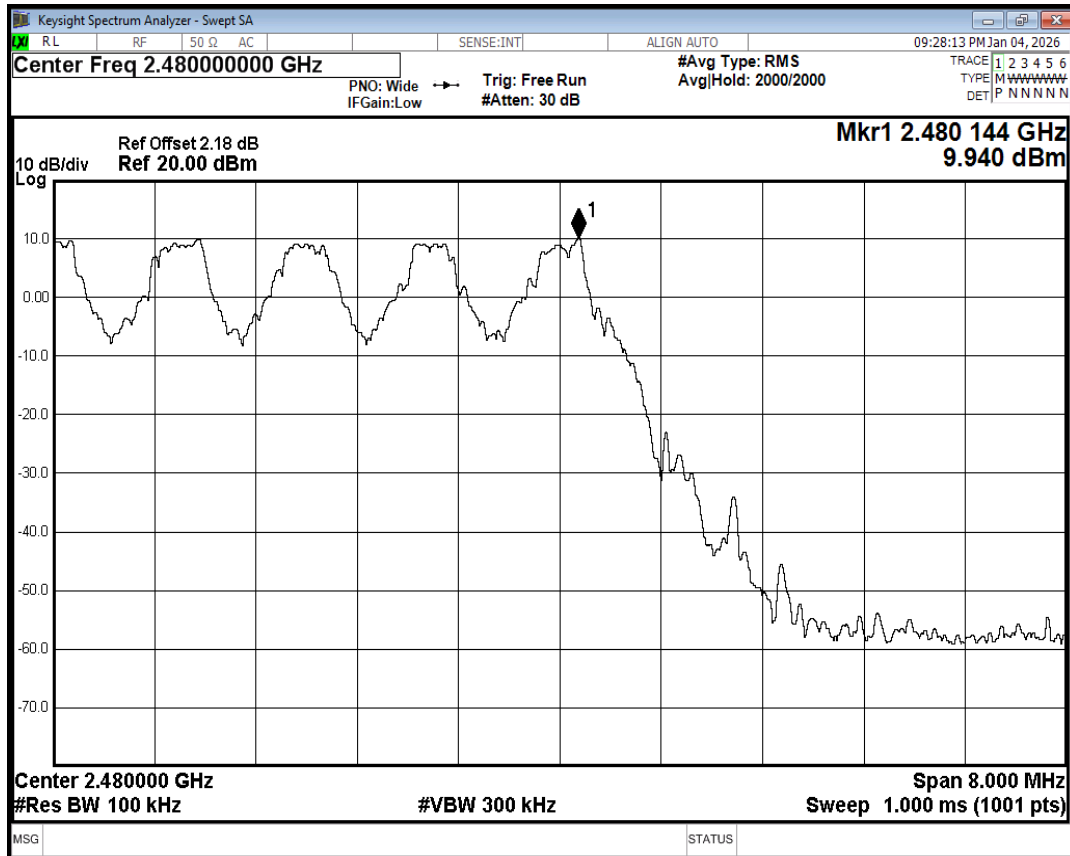
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-65.24	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-64.09	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-61.62	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-61.03	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-62	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-60.2	-20	Pass



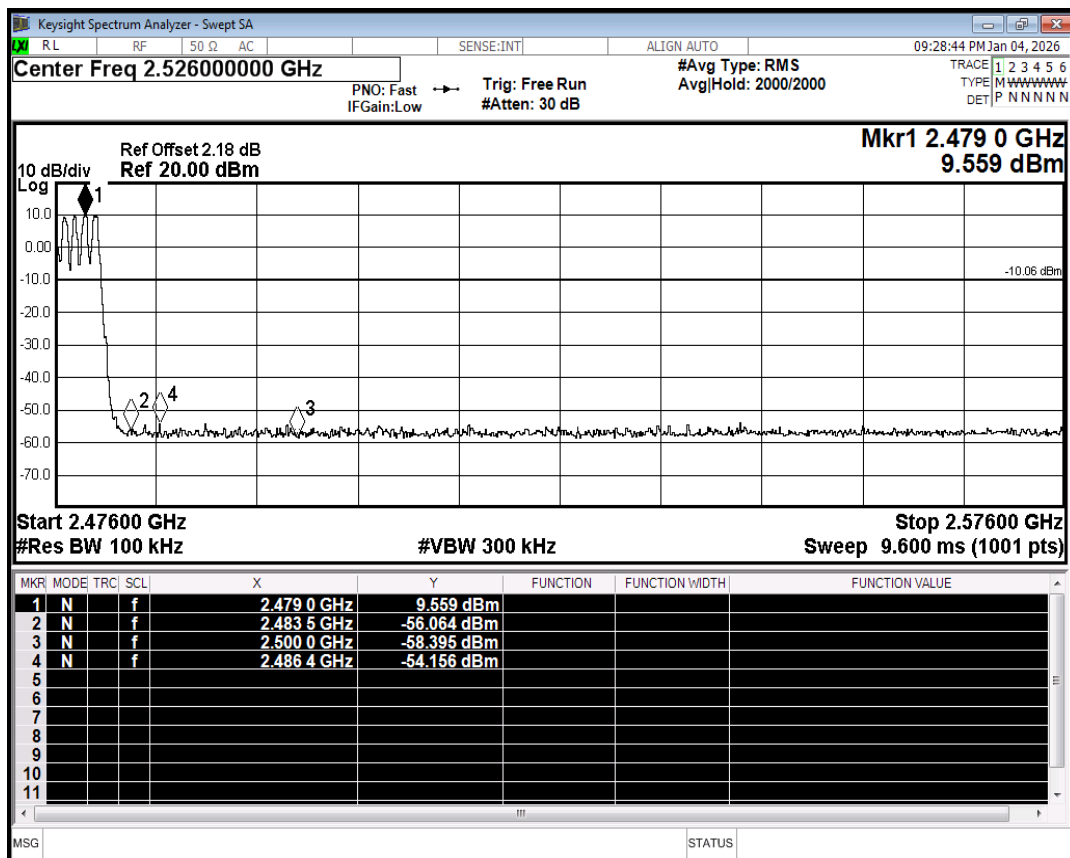
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



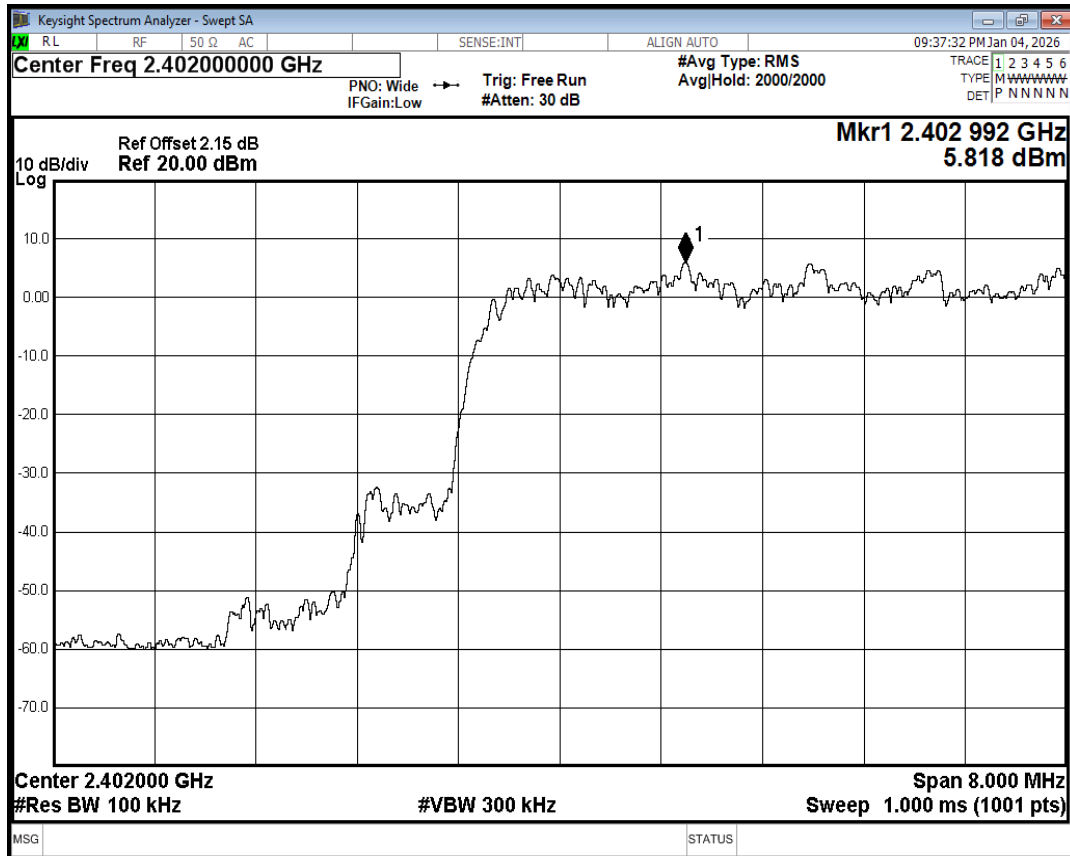
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



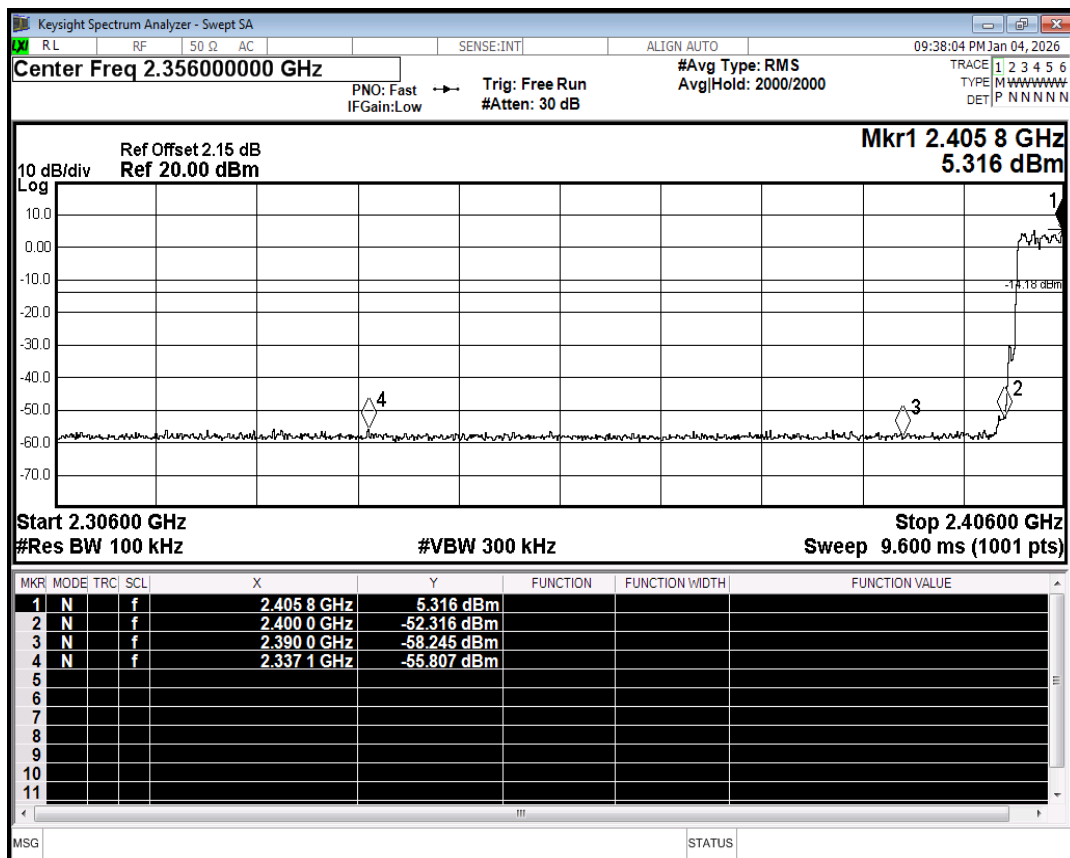
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



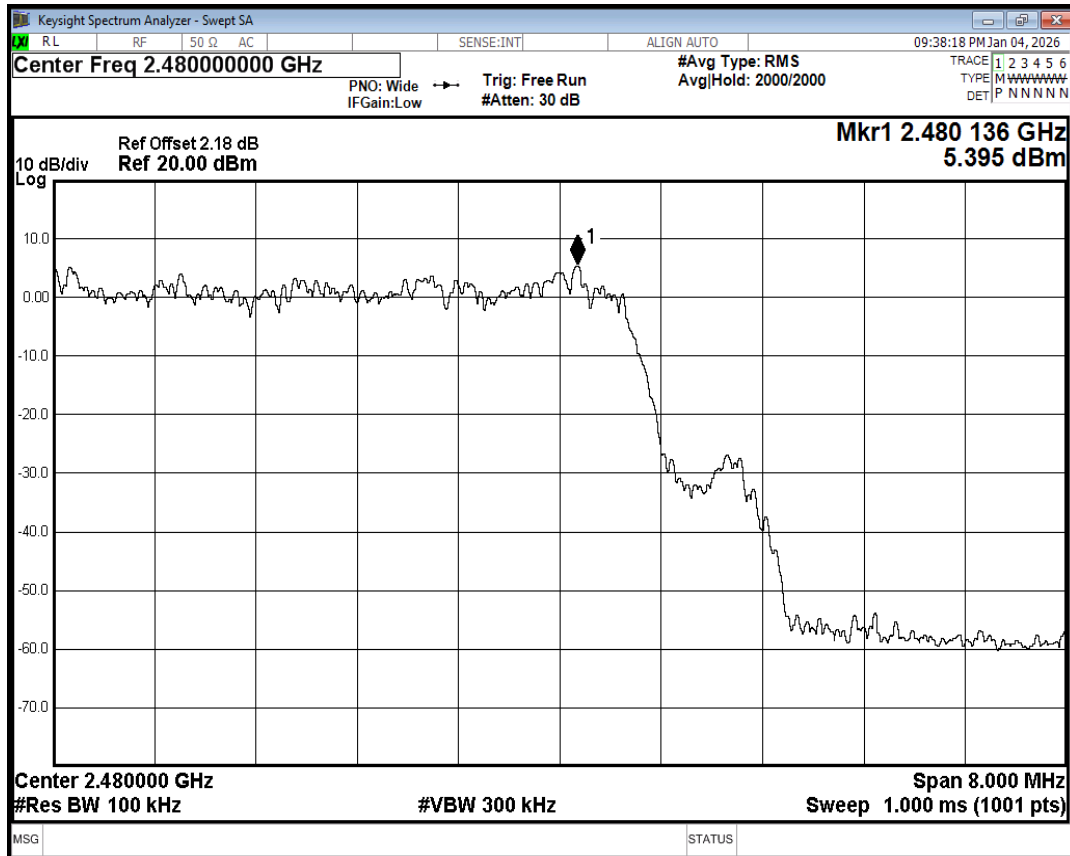
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



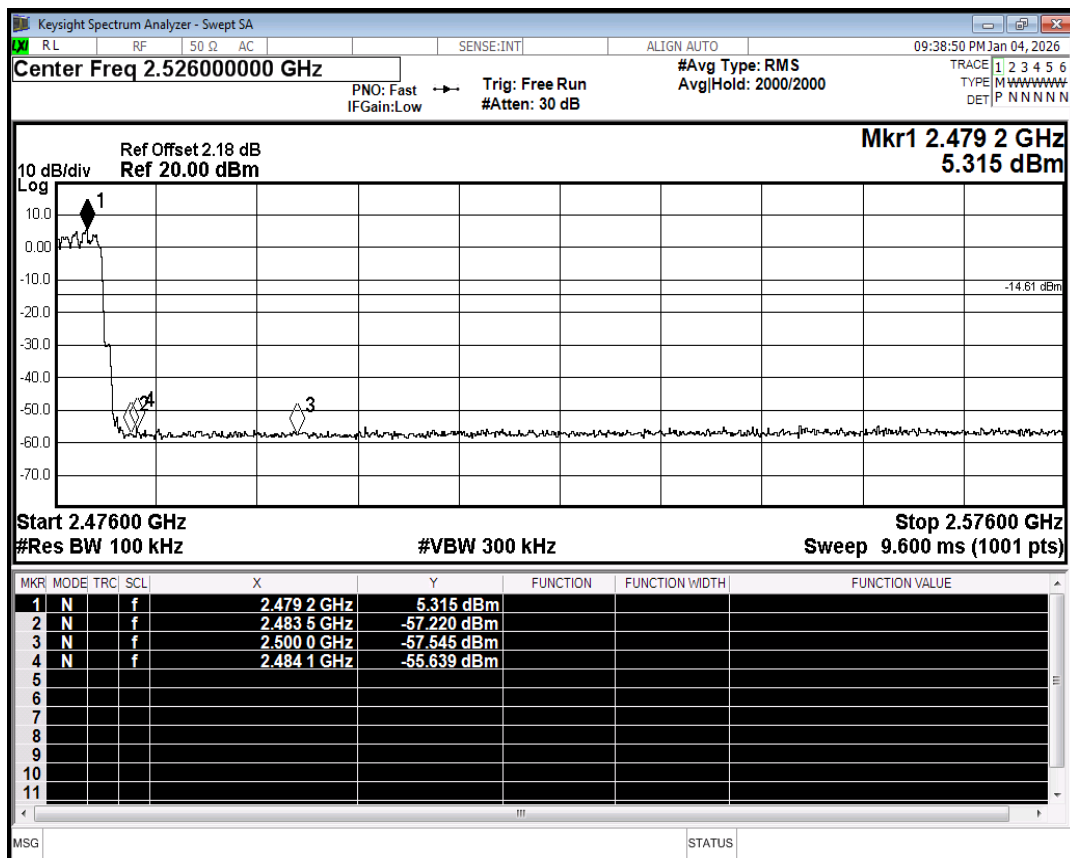
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



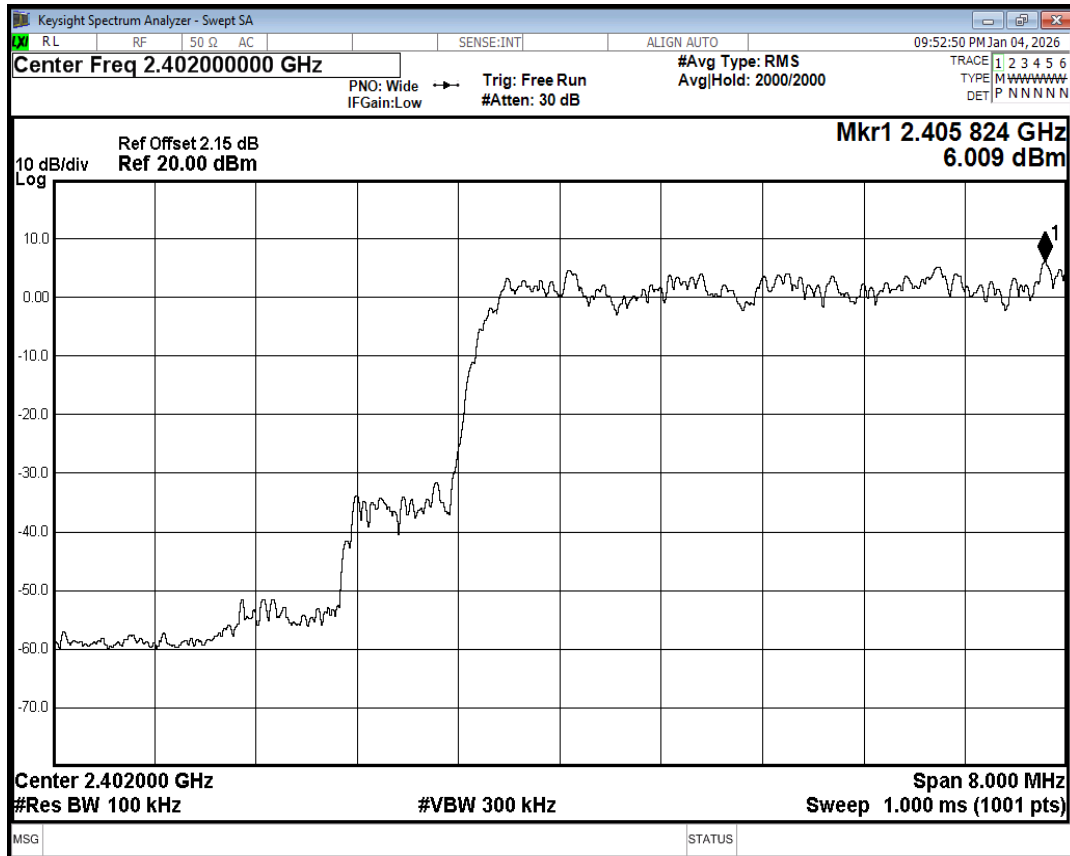
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



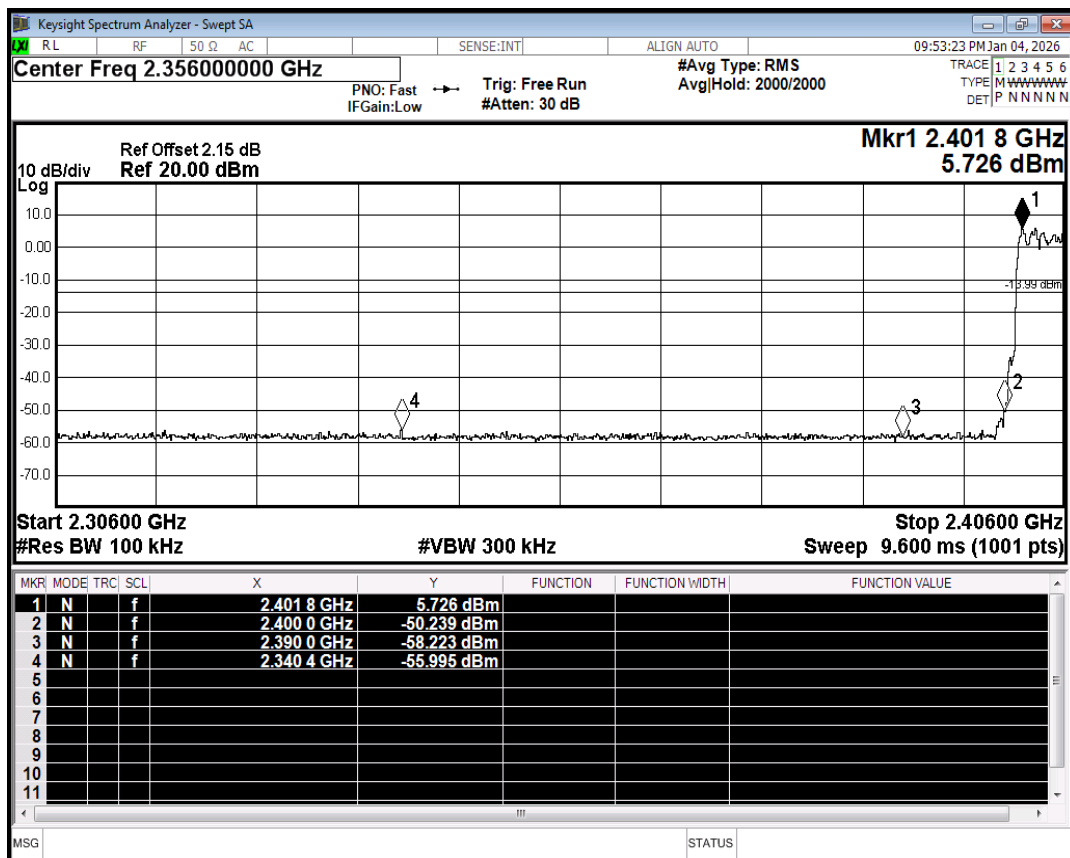
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



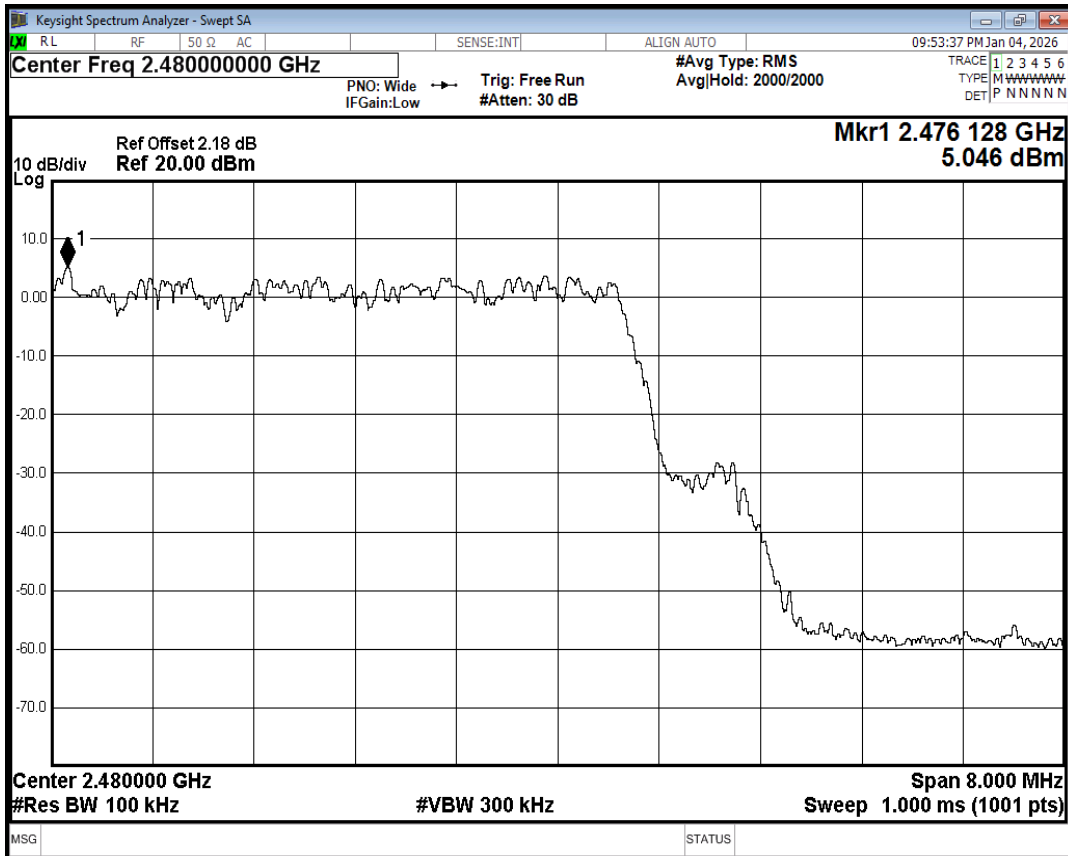
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



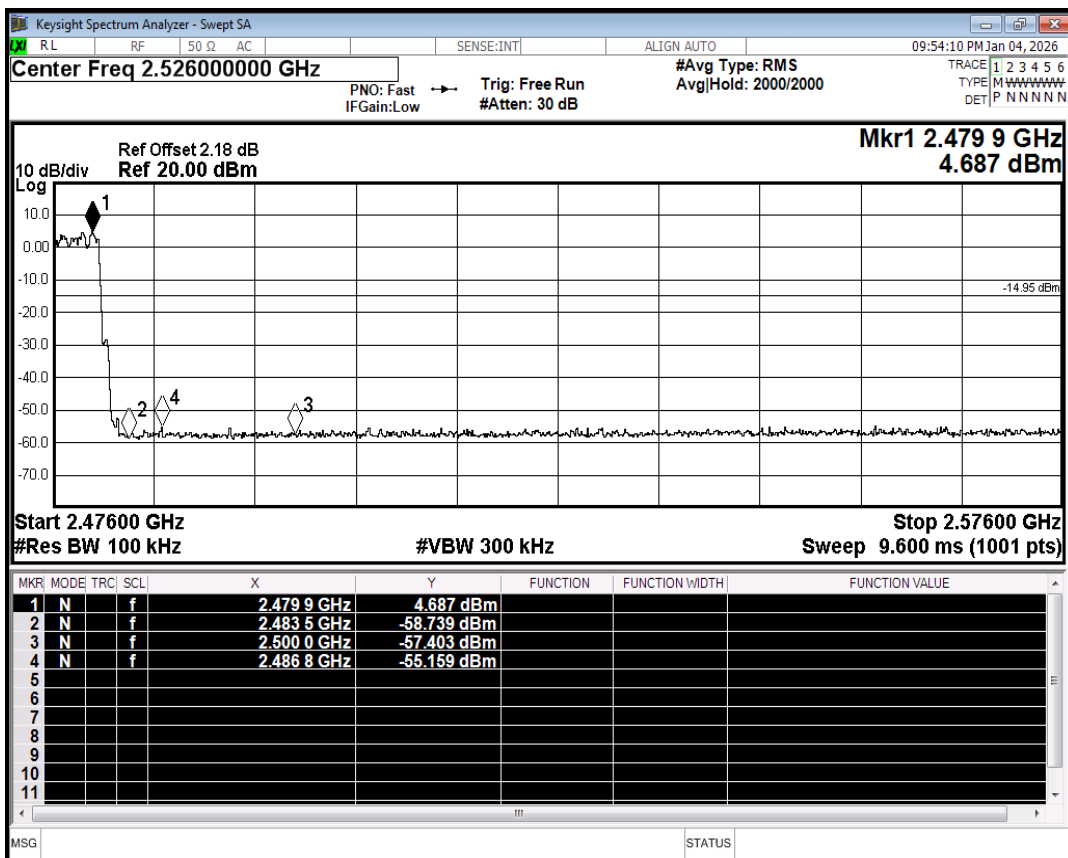
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



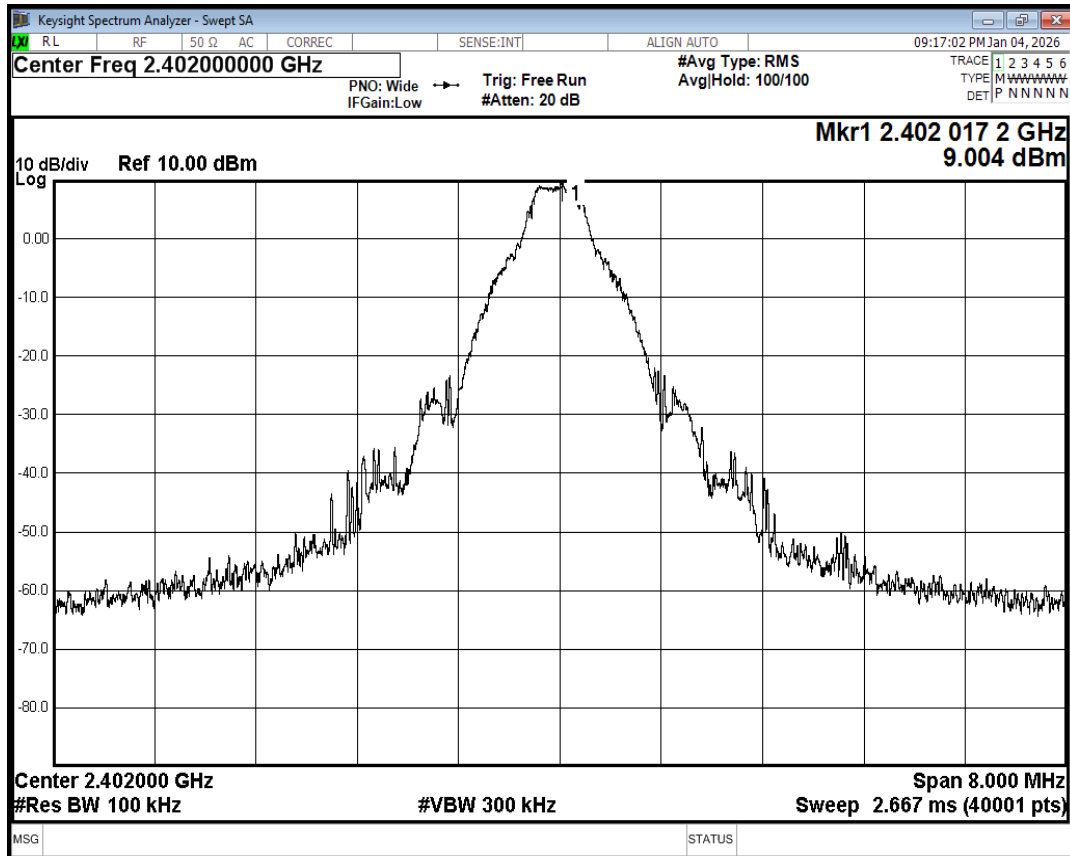
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



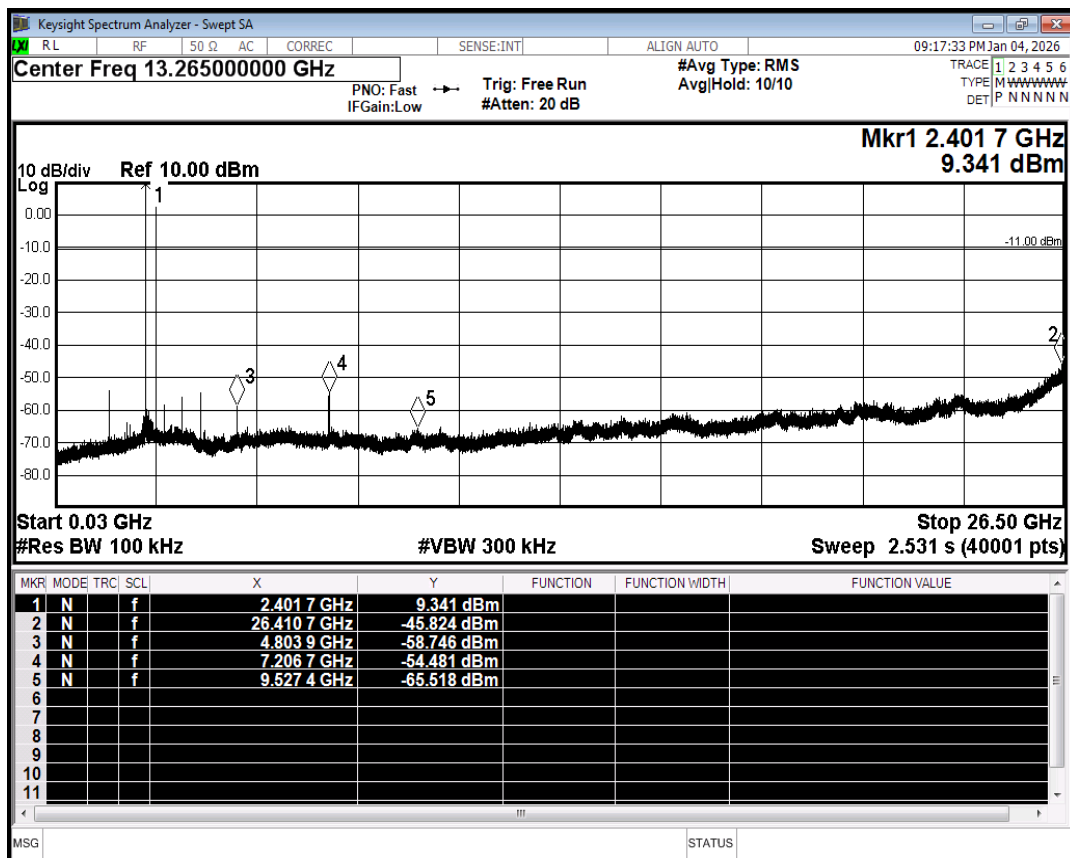
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

7 Conducted RF Spurious Emission

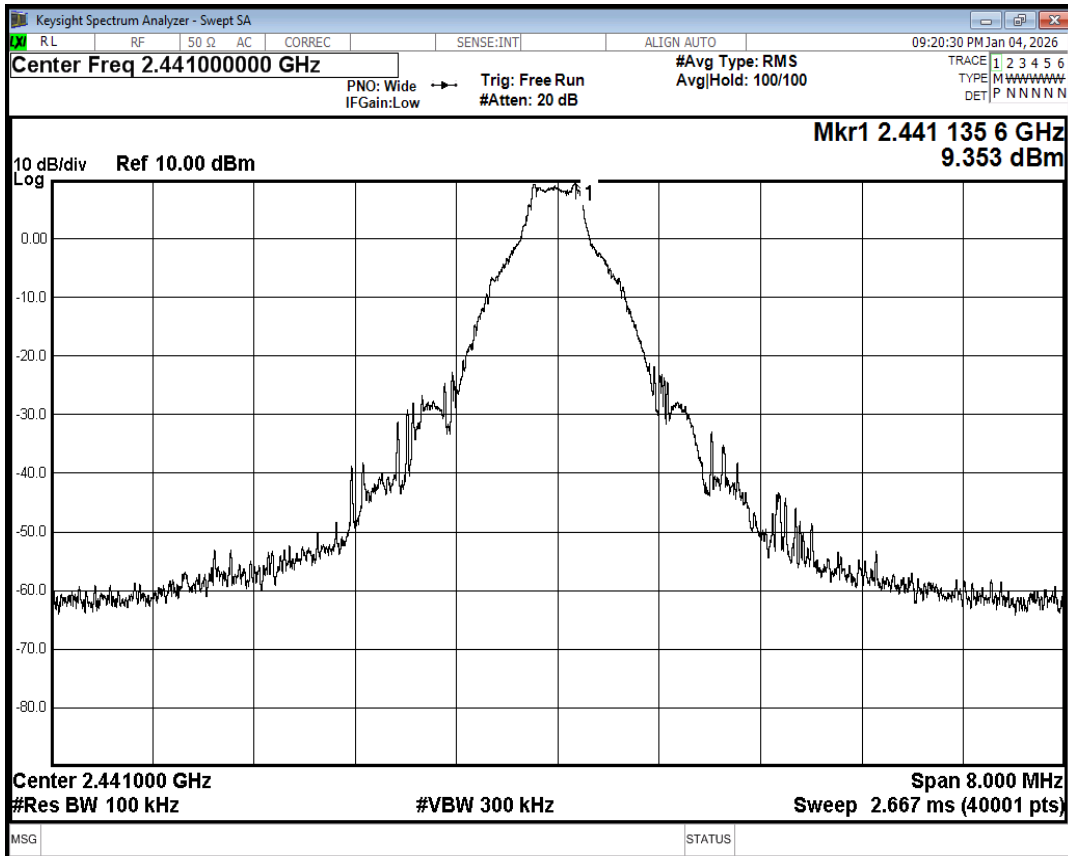
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.82	-20	Pass
NVNT	1-DH5	2441	Ant1	-56.71	-20	Pass
NVNT	1-DH5	2480	Ant1	-56.18	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.54	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.37	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.92	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.28	-20	Pass
NVNT	3-DH5	2441	Ant1	-50.91	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.02	-20	Pass



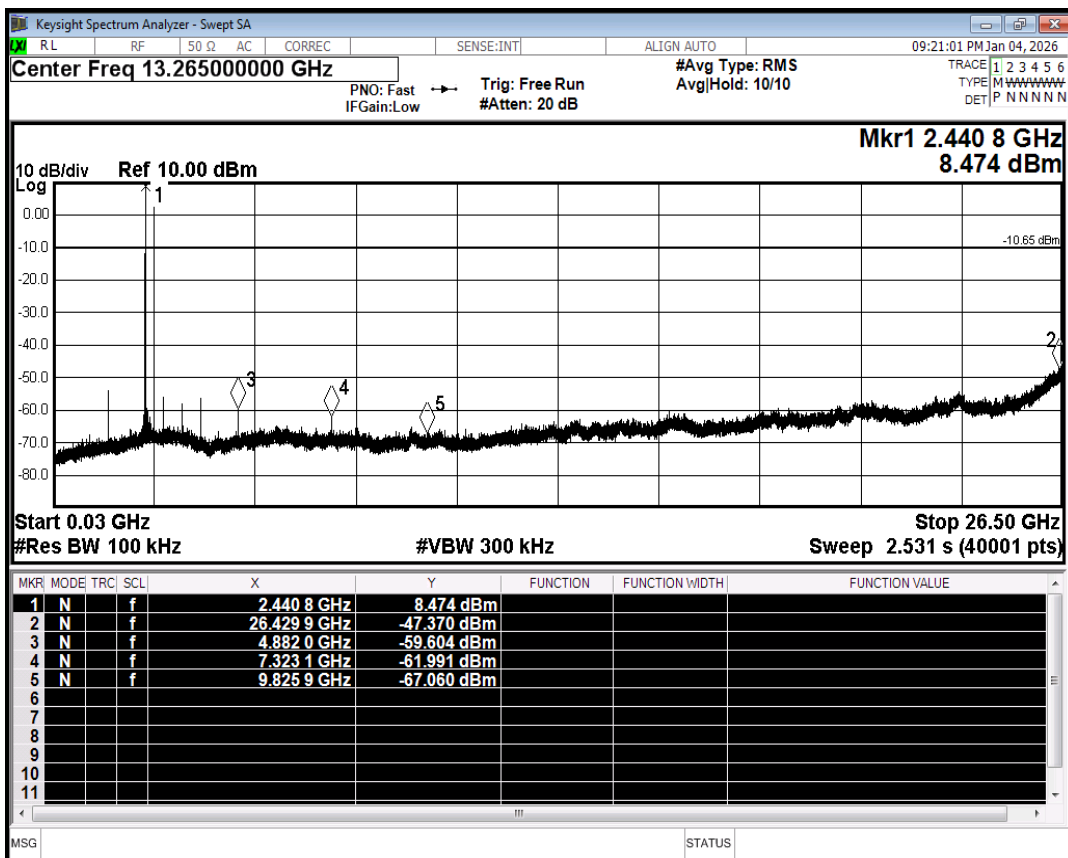
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



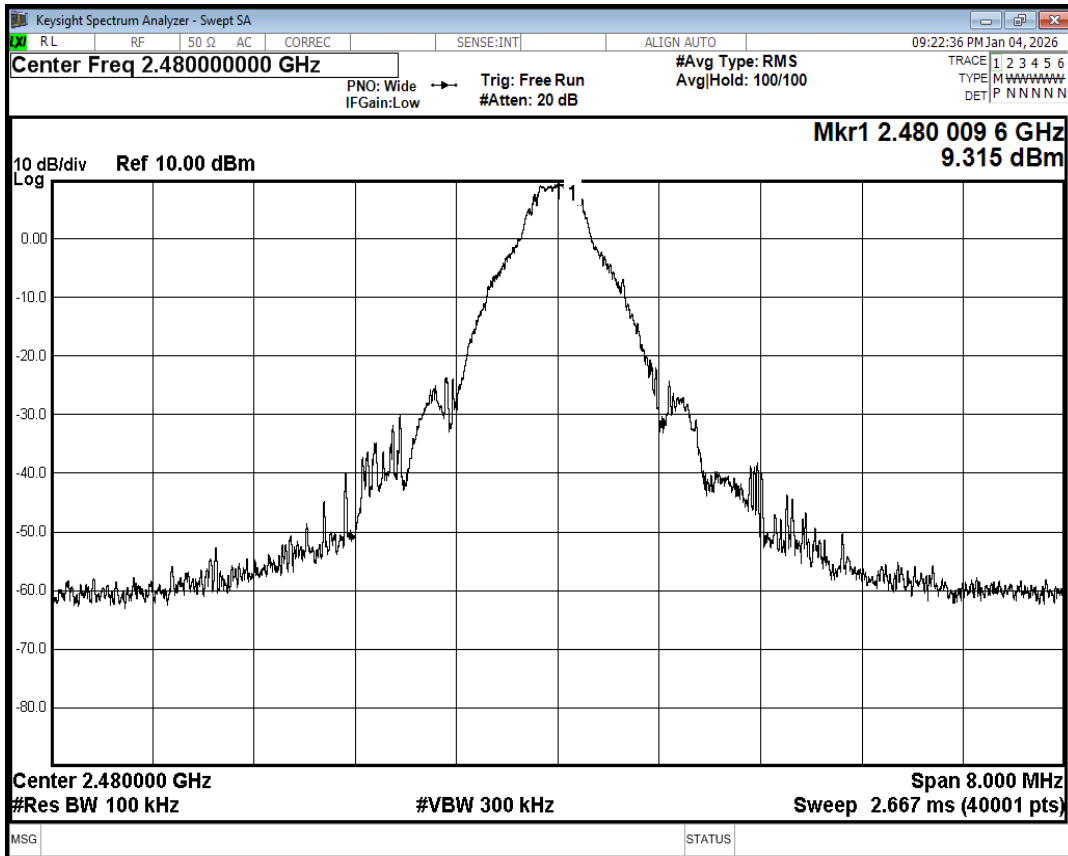
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



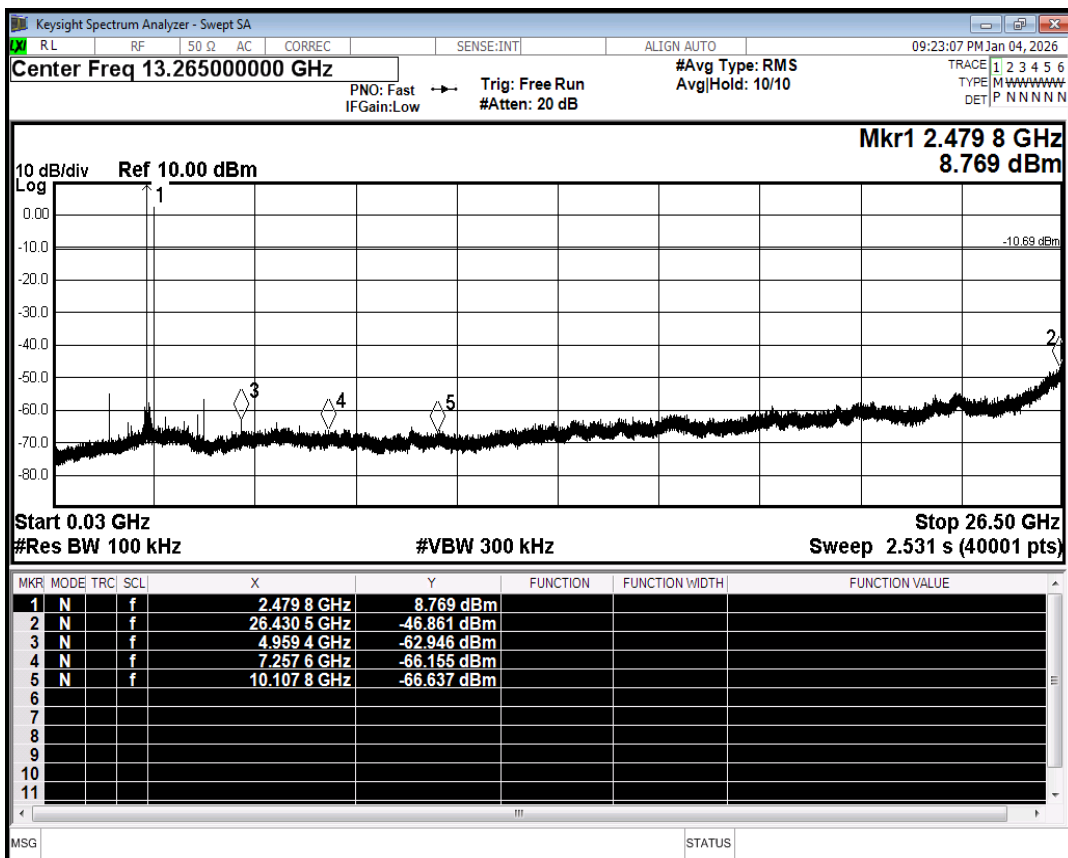
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



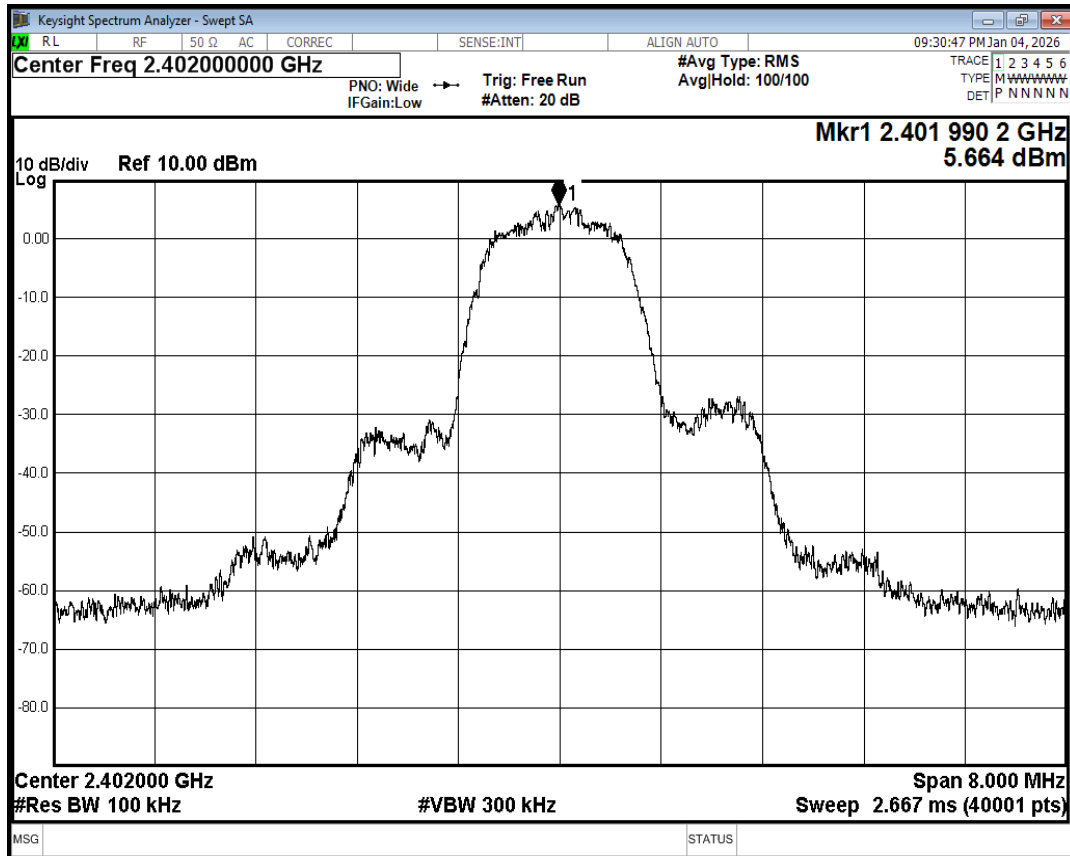
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



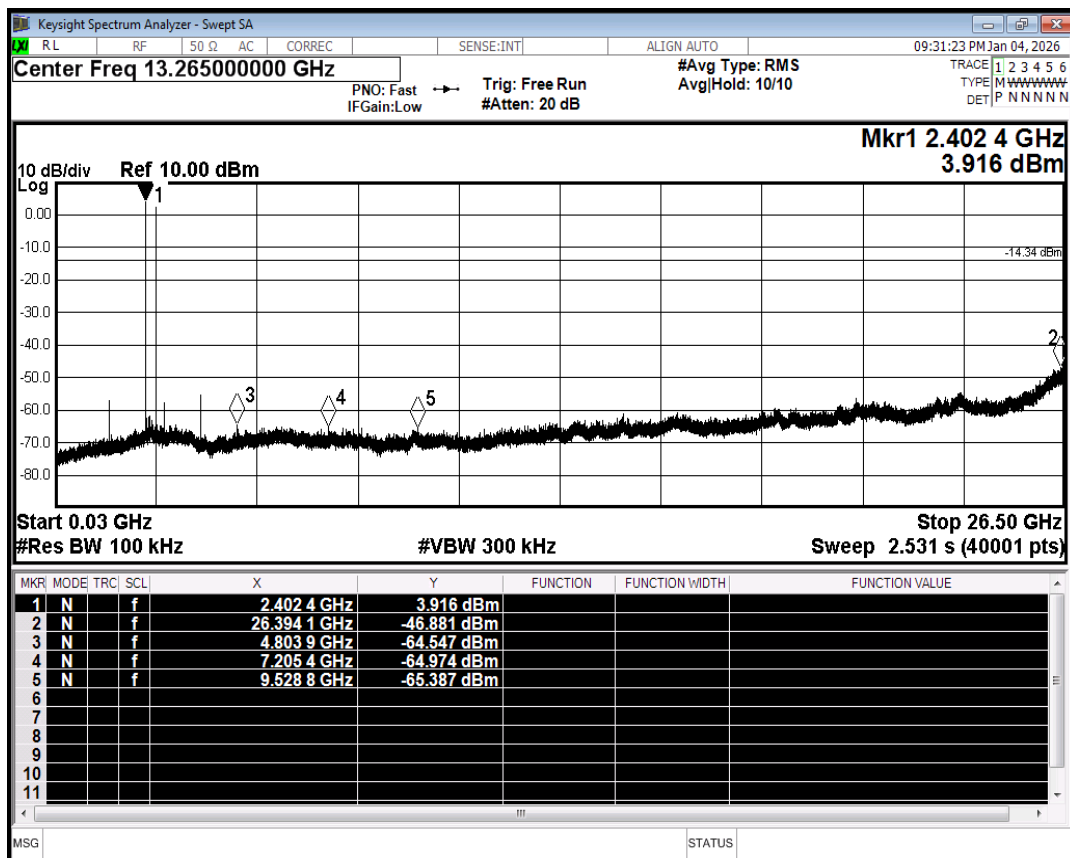
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



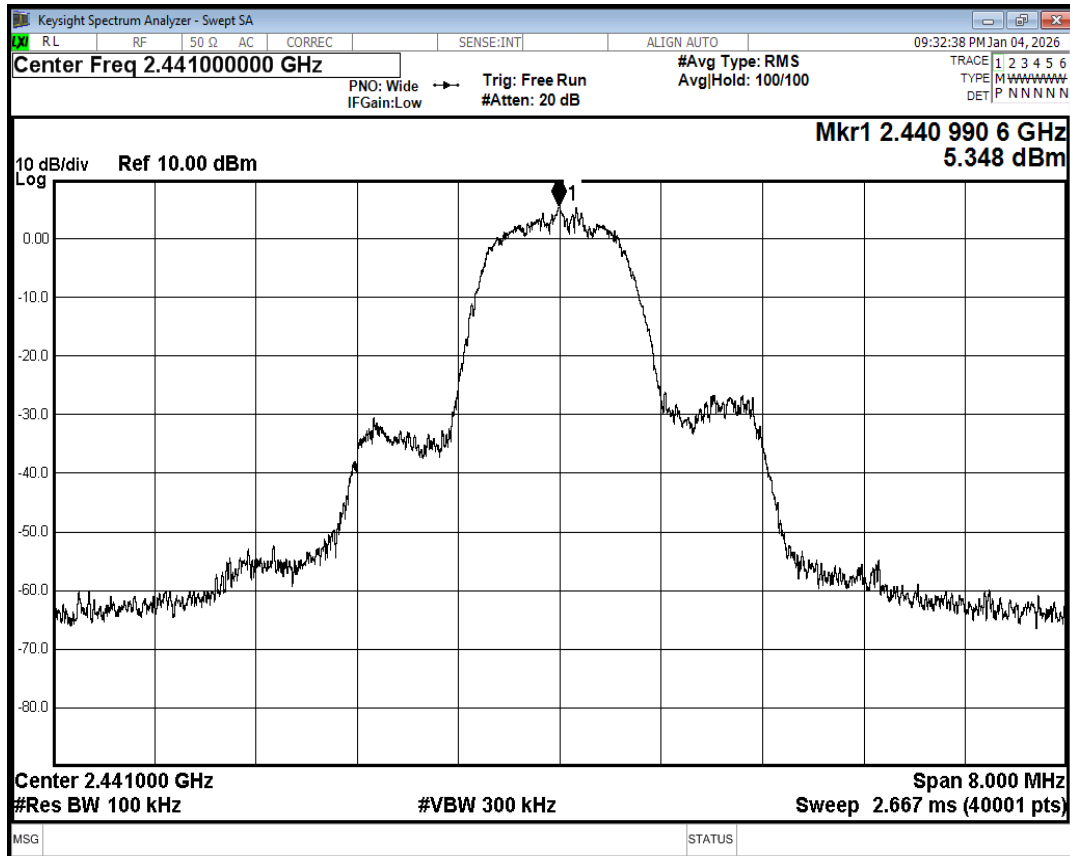
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



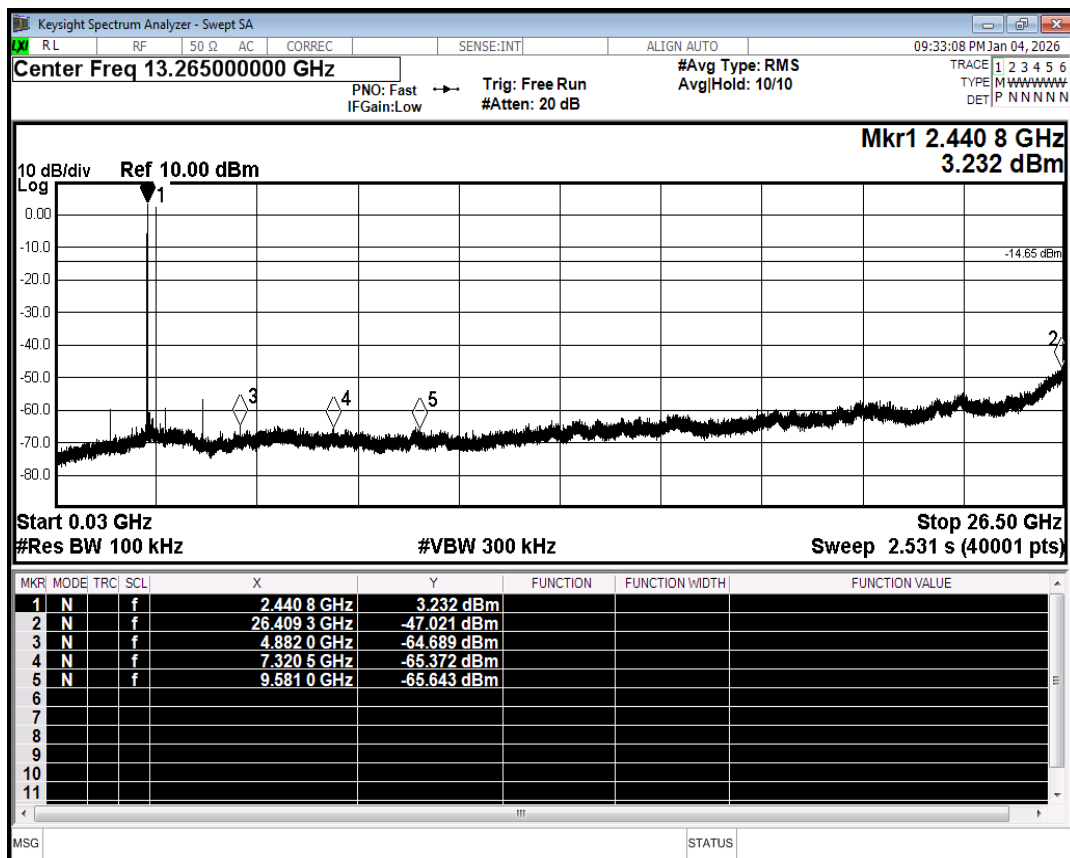
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



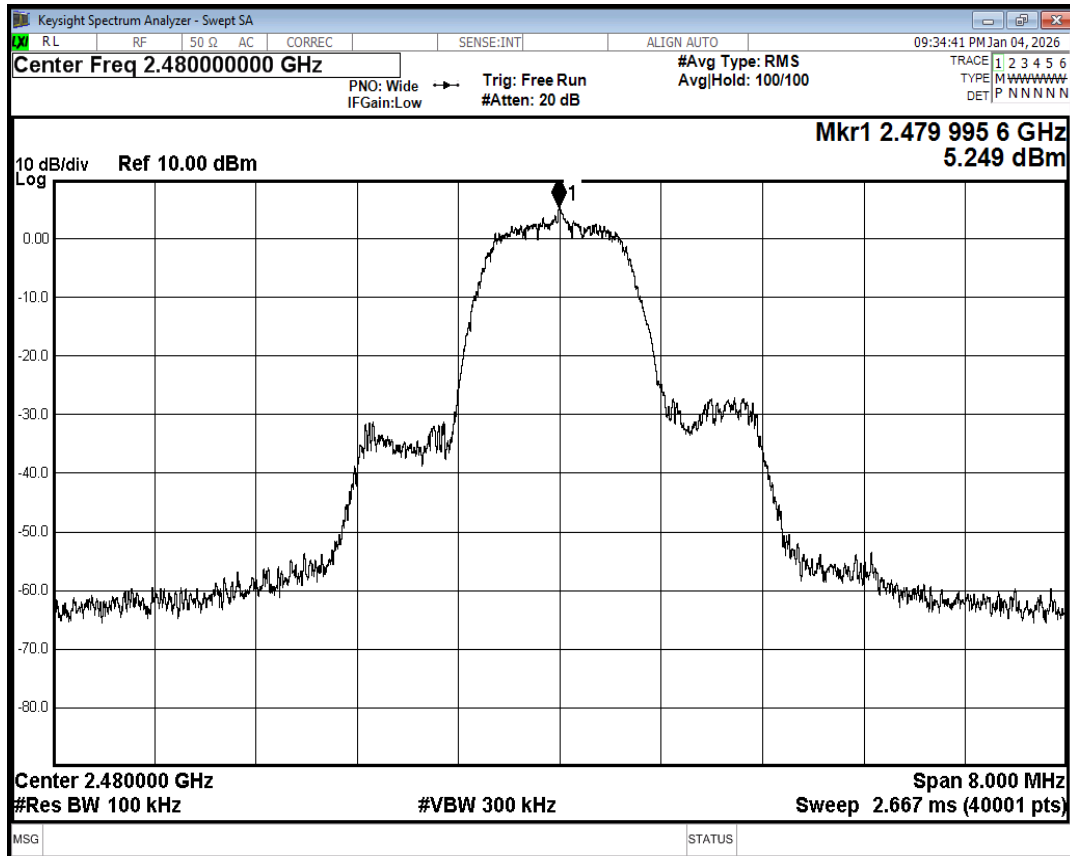
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



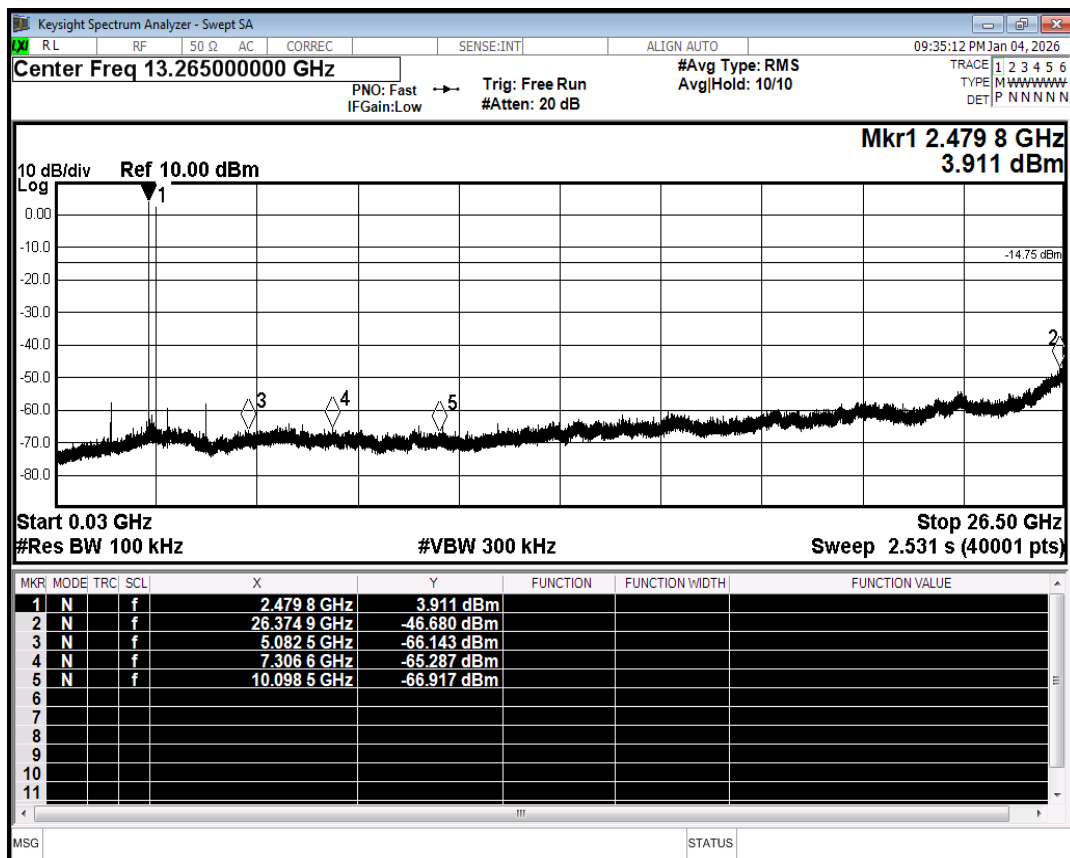
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



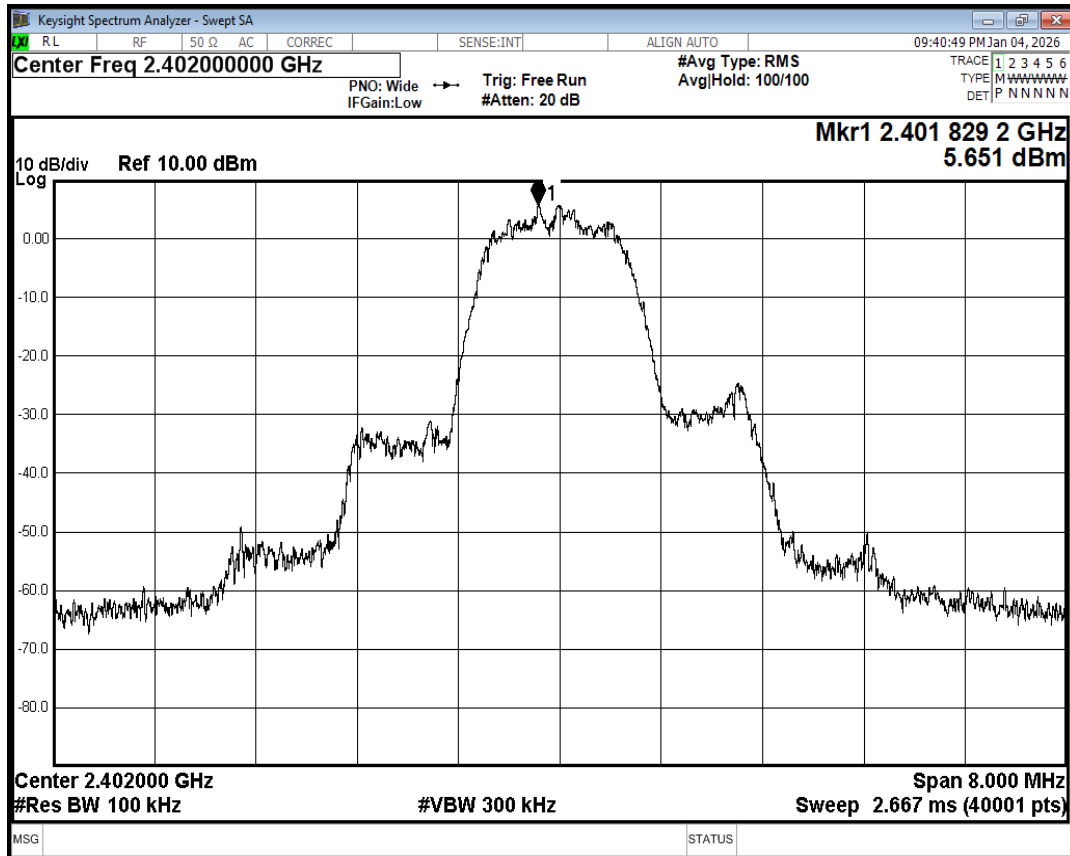
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



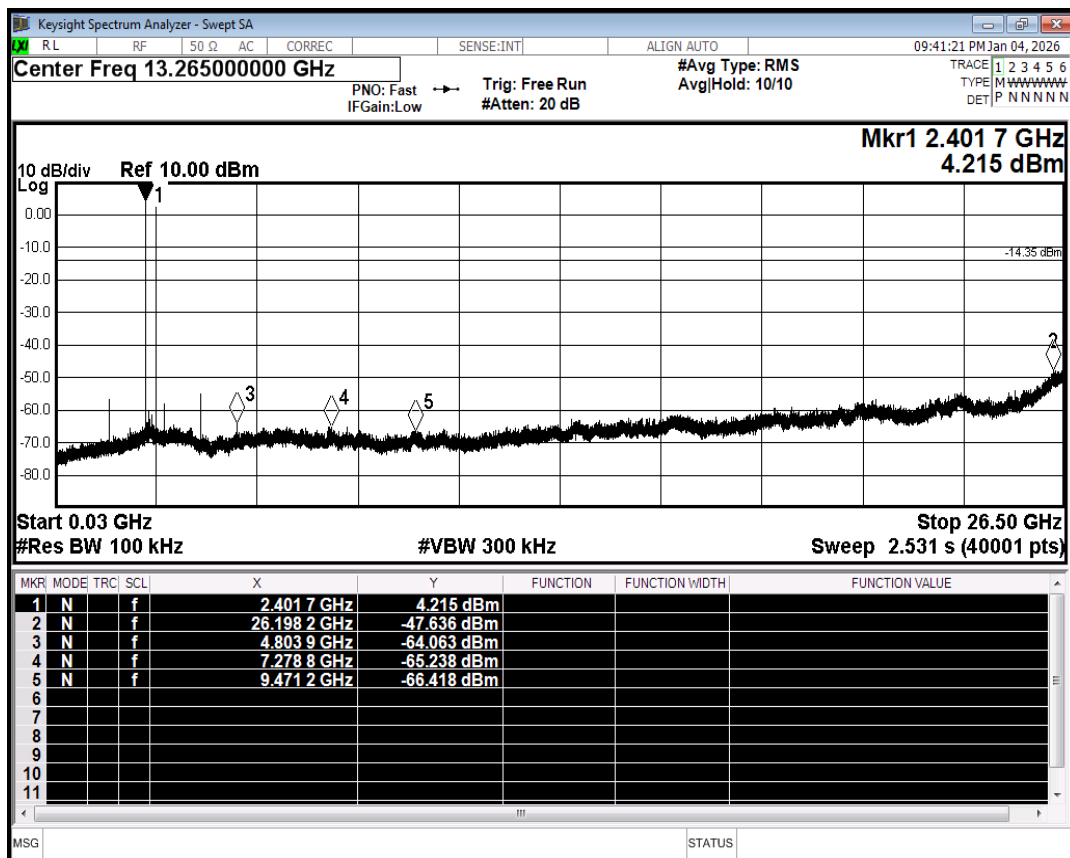
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



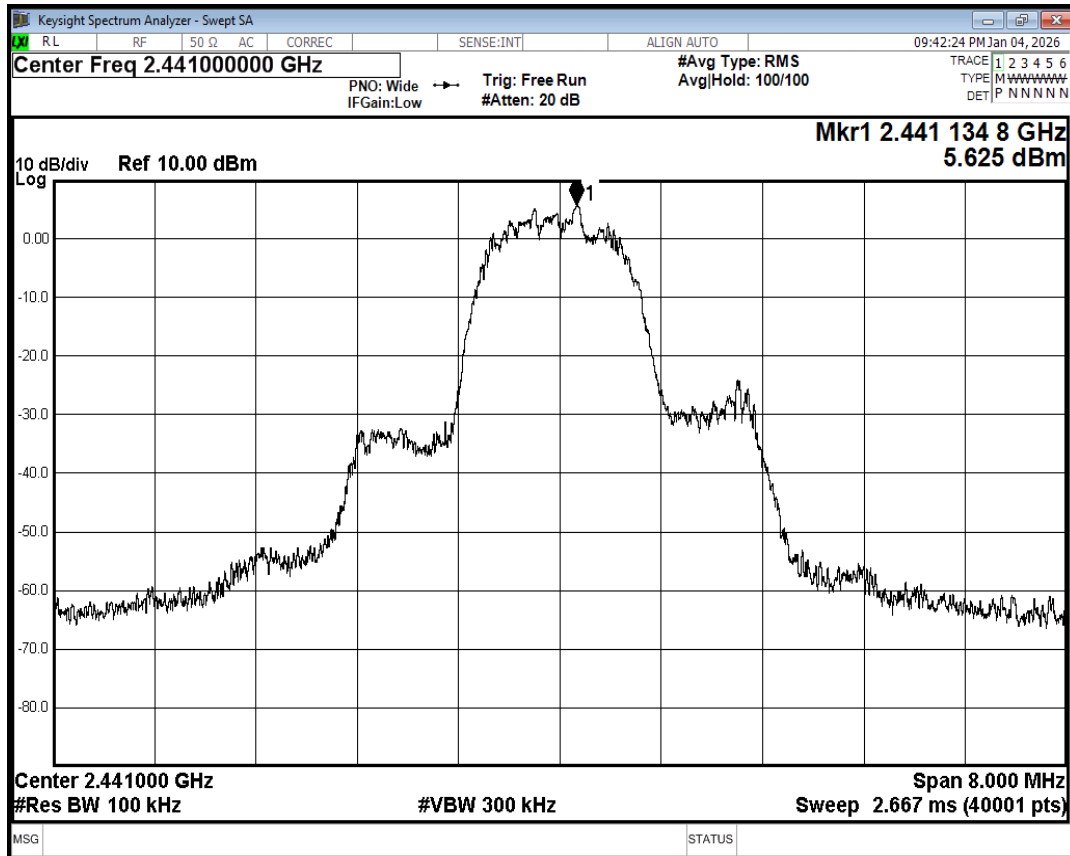
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



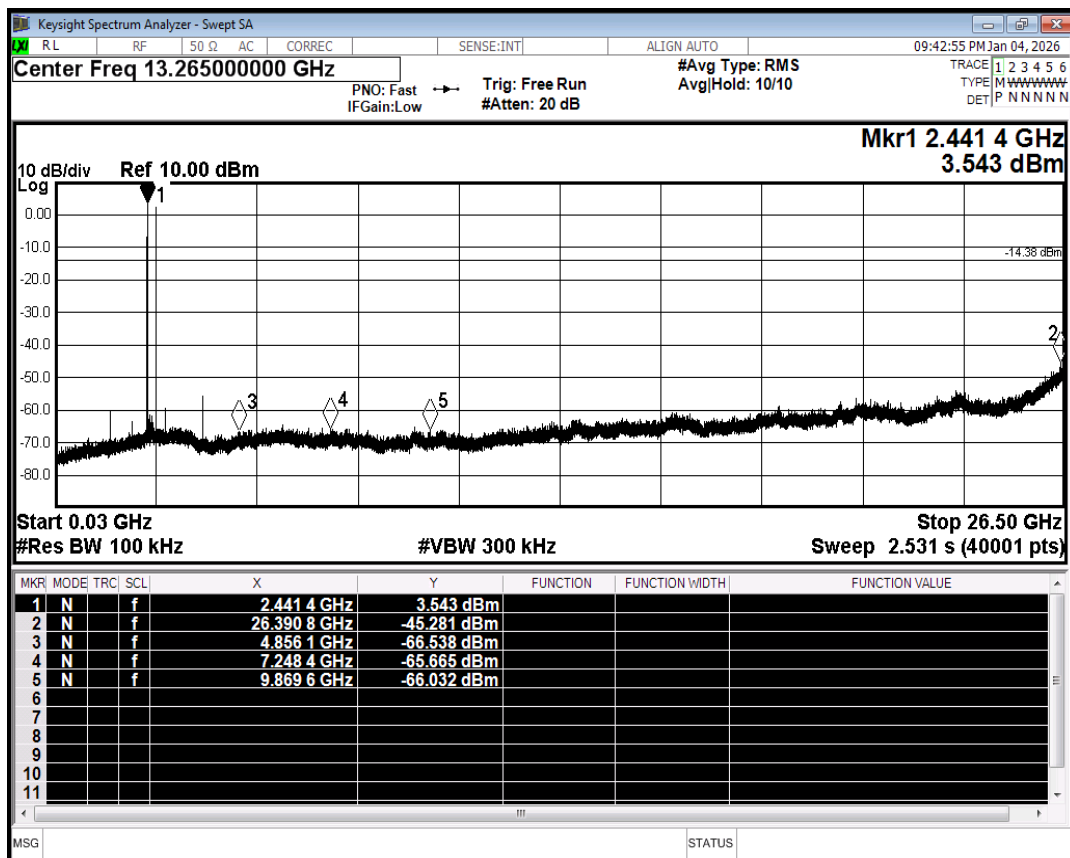
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



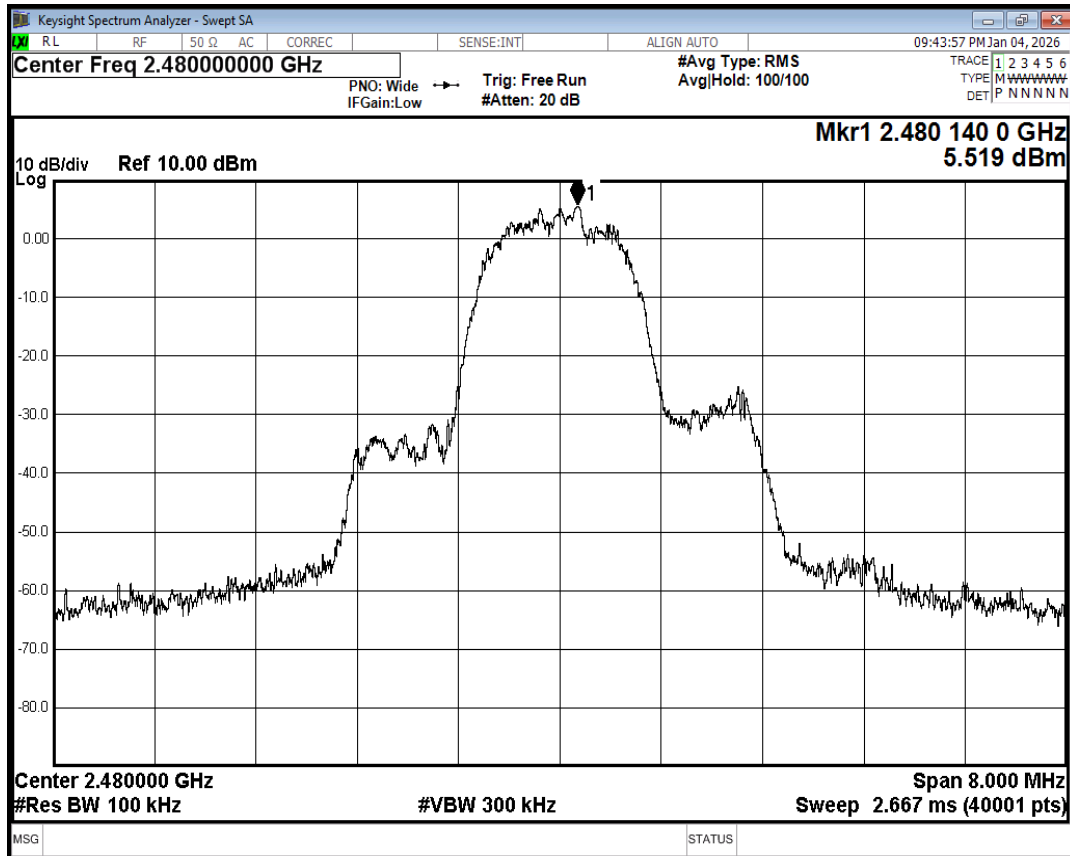
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



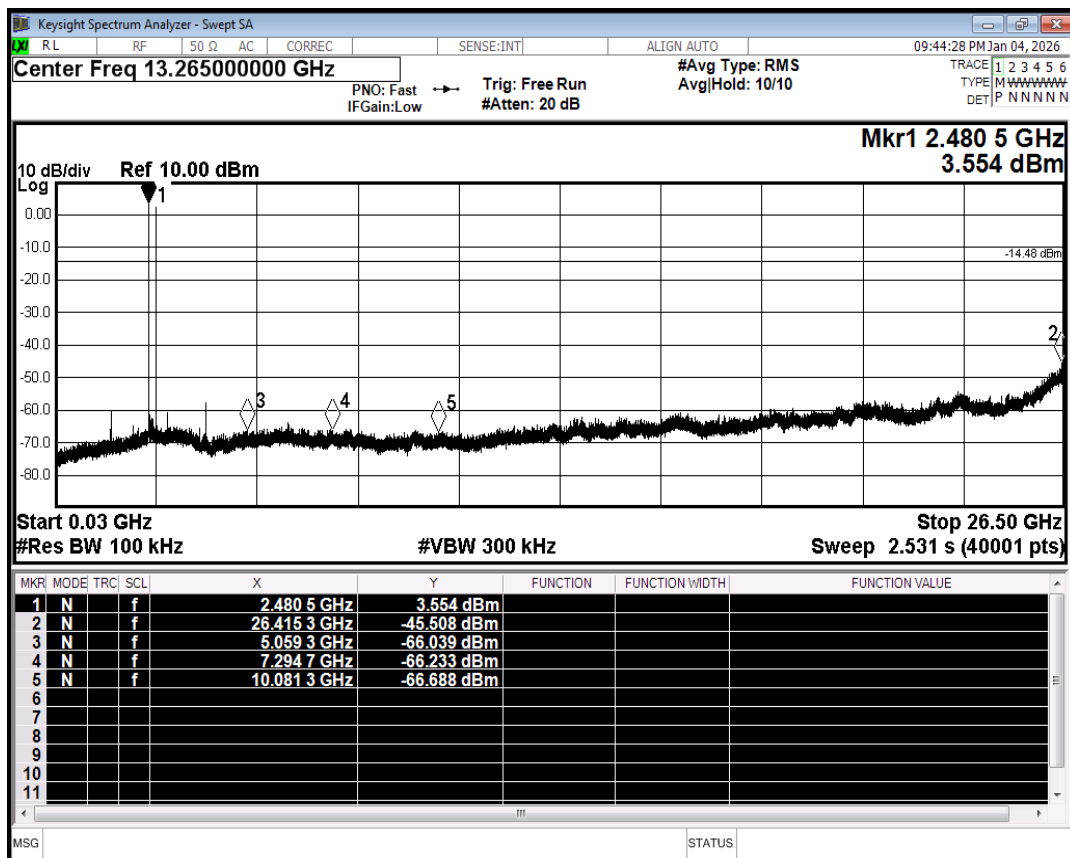
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



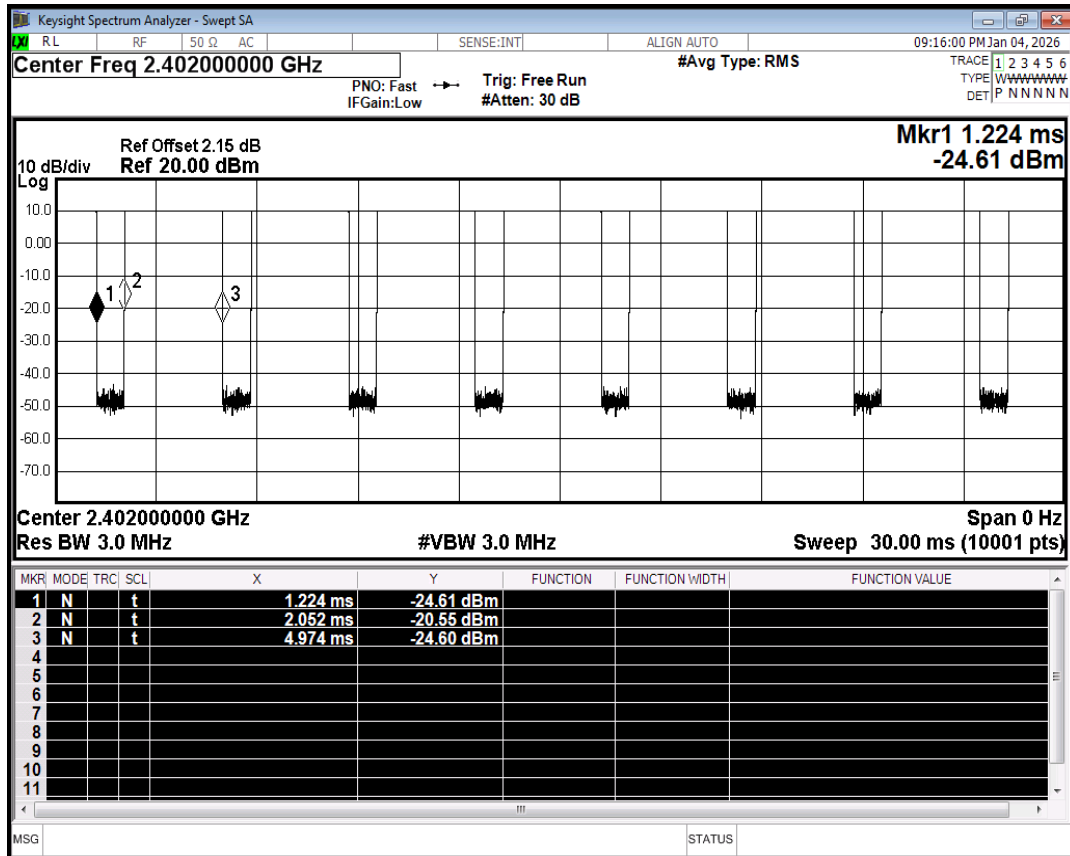
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



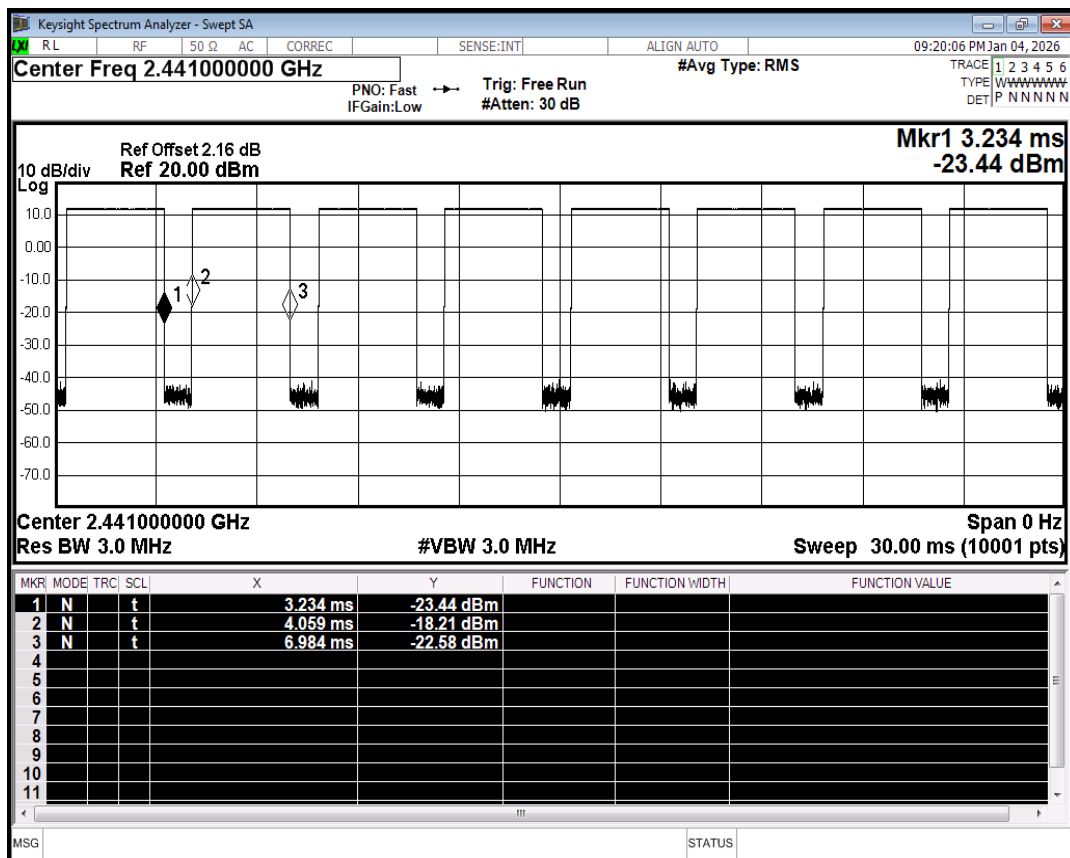
Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

8 Duty Cycle

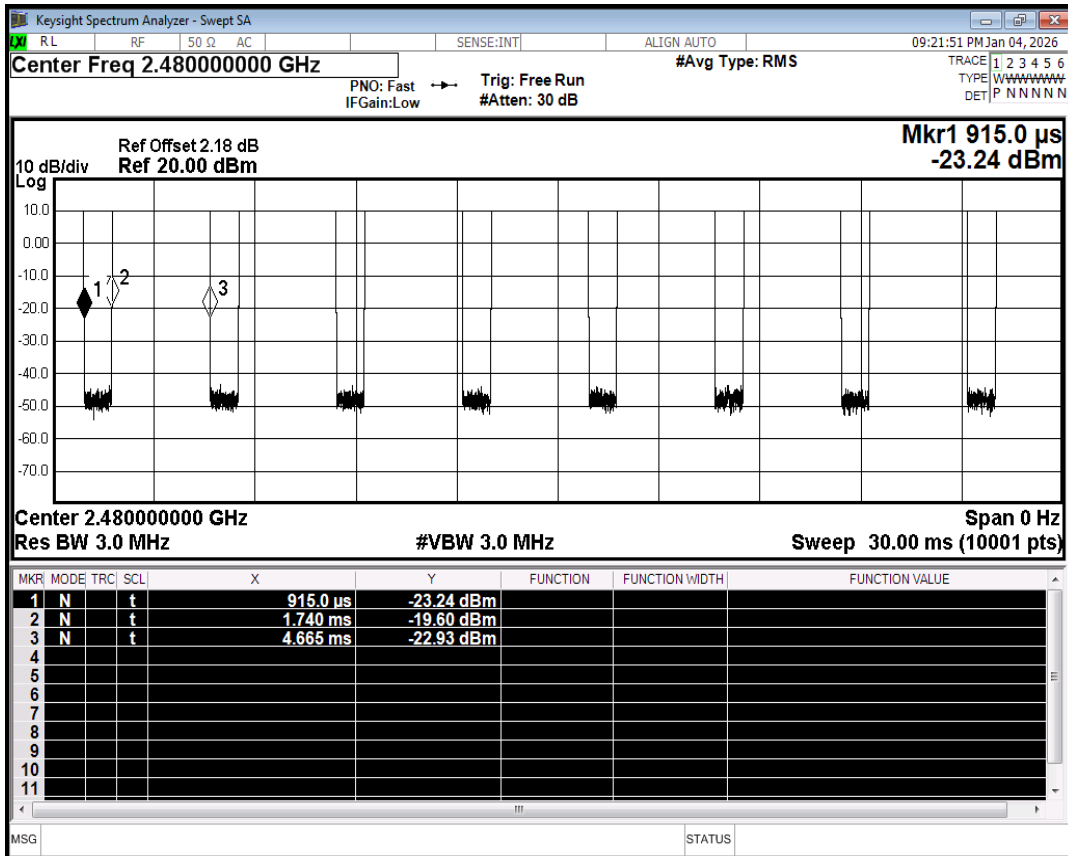
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.92	1.08	0.34
NVNT	1-DH5	2441	Ant1	78	1.08	0.34
NVNT	1-DH5	2480	Ant1	78	1.08	0.34
NVNT	2-DH5	2402	Ant1	77.92	1.08	0.34
NVNT	2-DH5	2441	Ant1	77.98	1.08	0.34
NVNT	2-DH5	2480	Ant1	77.94	1.08	0.34
NVNT	3-DH5	2402	Ant1	78	1.08	0.34
NVNT	3-DH5	2441	Ant1	78	1.08	0.34
NVNT	3-DH5	2480	Ant1	77.92	1.08	0.34



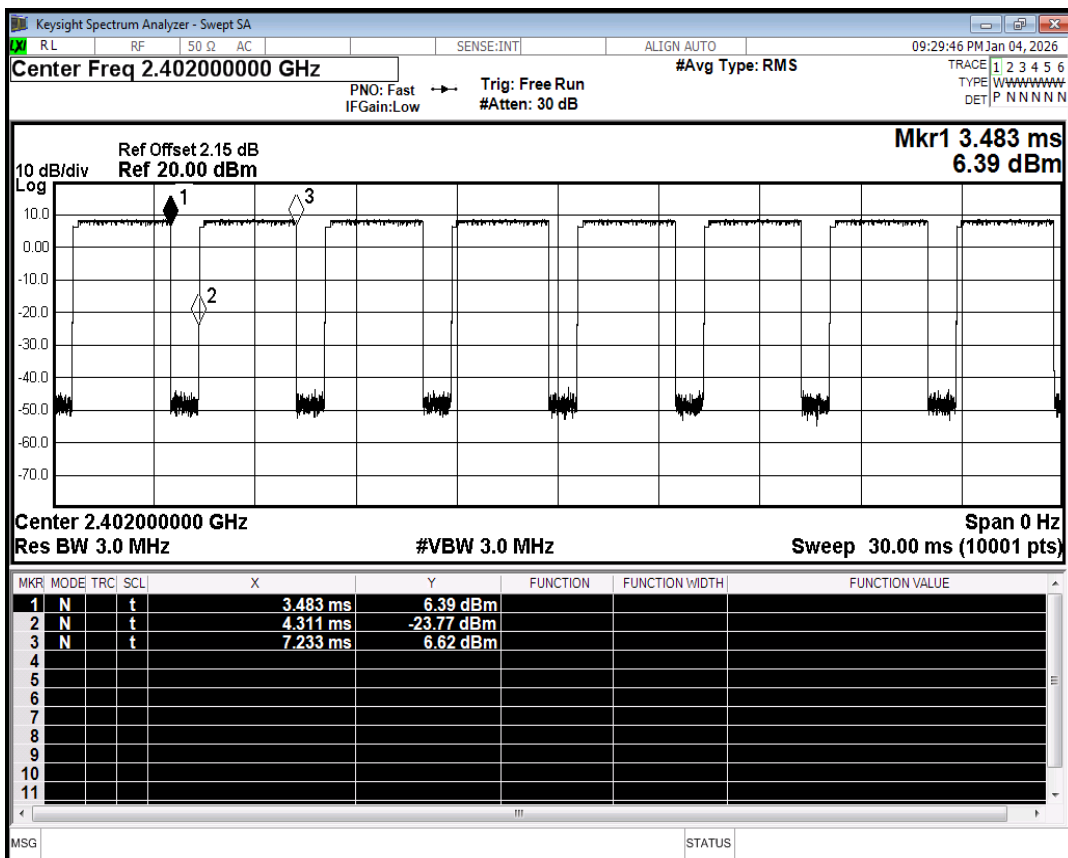
Duty Cycle NVNT 1-DH5 2402MHz Ant1



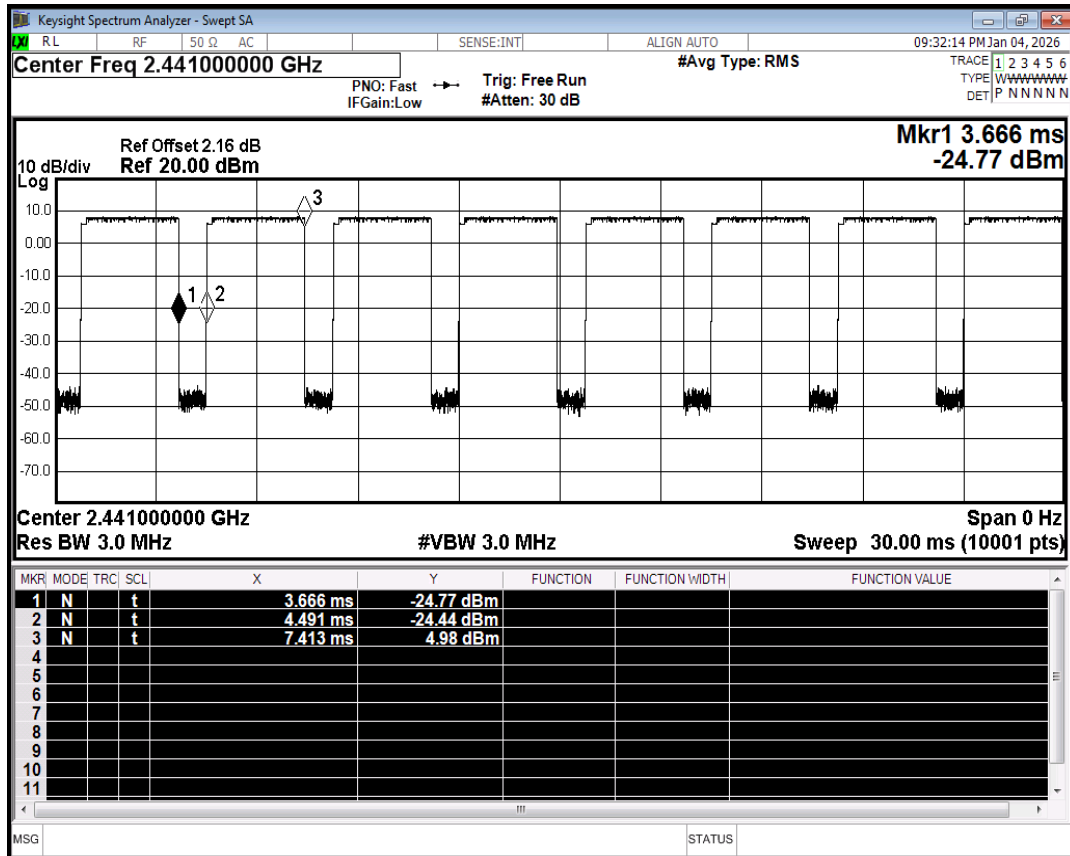
Duty Cycle NVNT 1-DH5 2441MHz Ant1



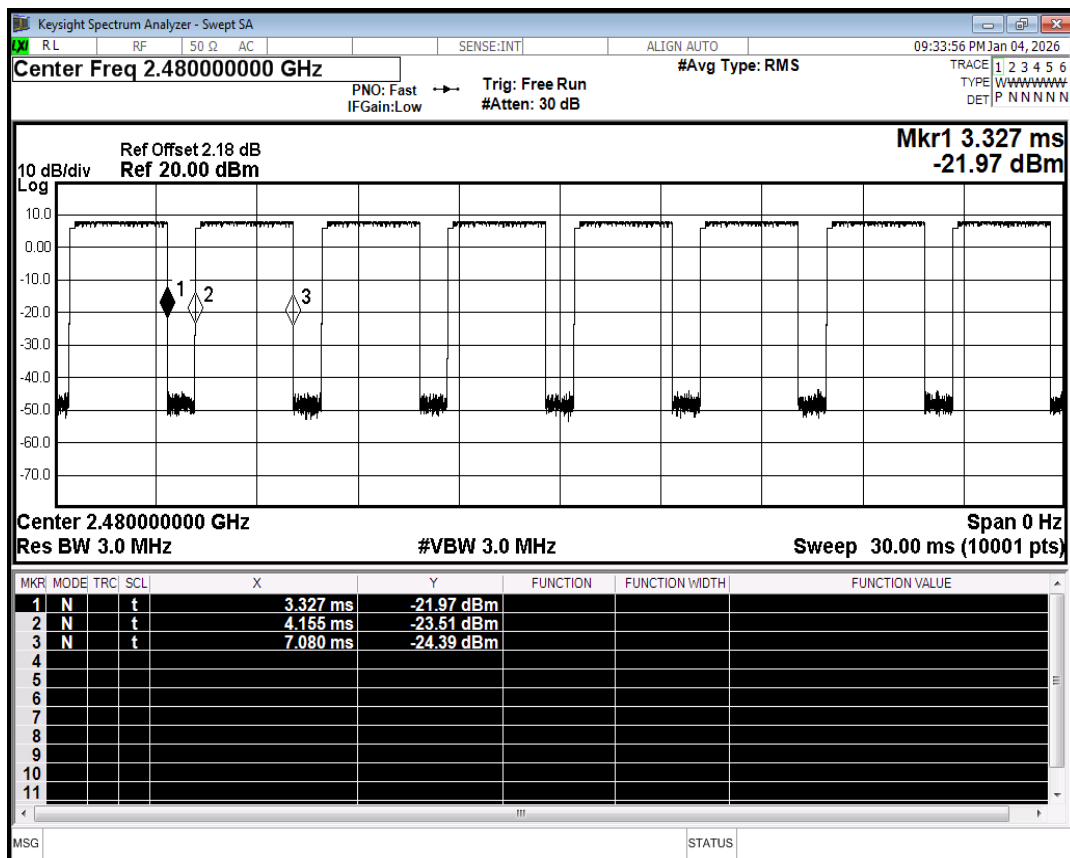
Duty Cycle NVNT 1-DH5 2480MHz Ant1



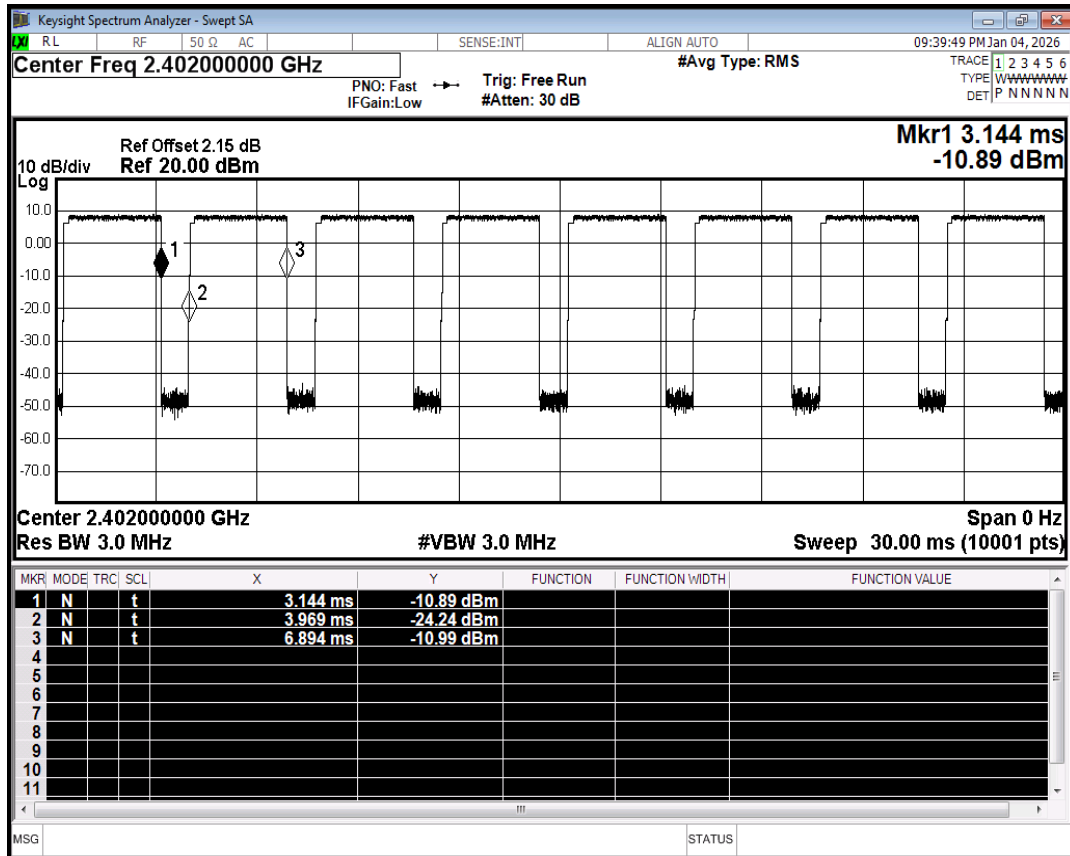
Duty Cycle NVNT 2-DH5 2402MHz Ant1



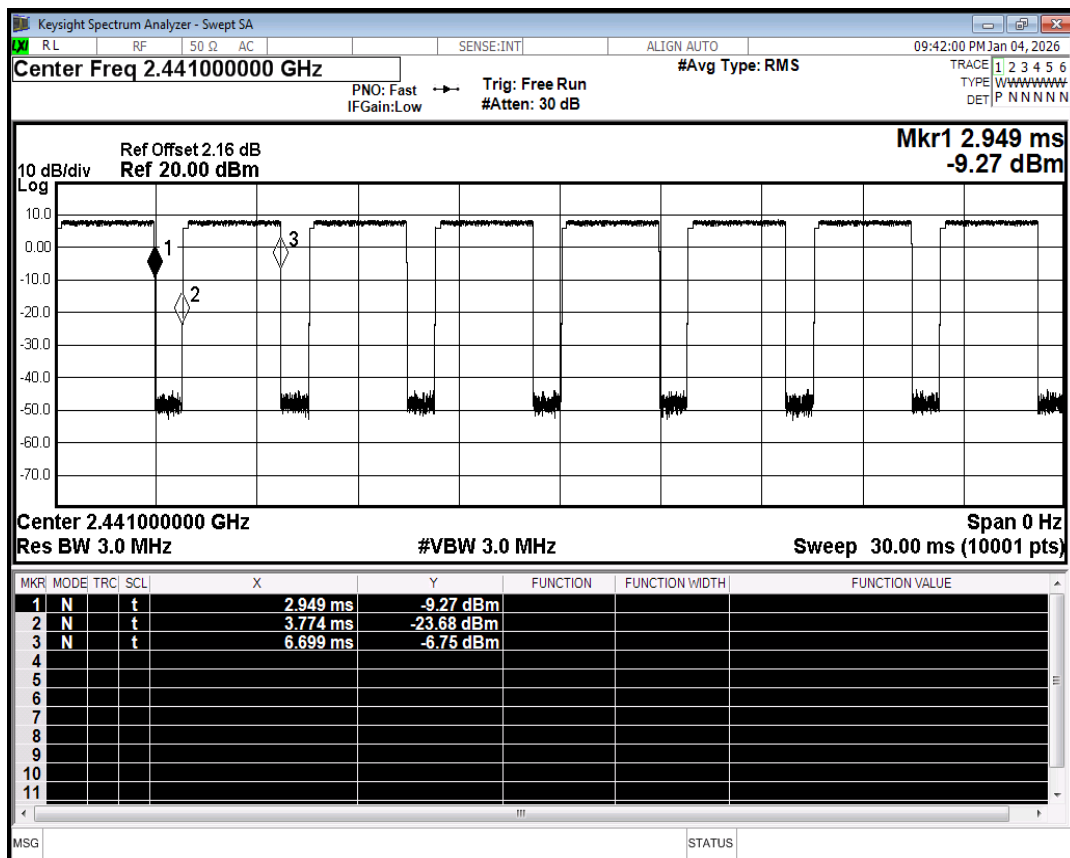
Duty Cycle NVNT 2-DH5 2441MHz Ant1



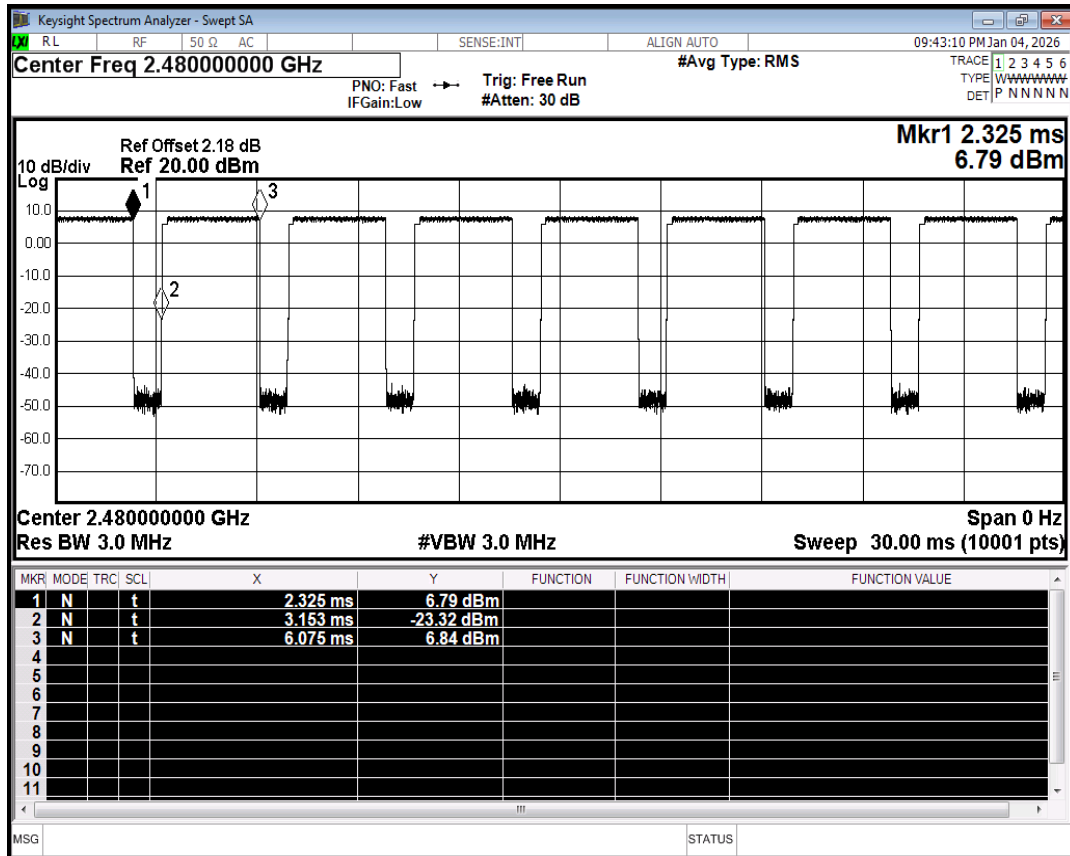
Duty Cycle NVNT 2-DH5 2480MHz Ant1



Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1



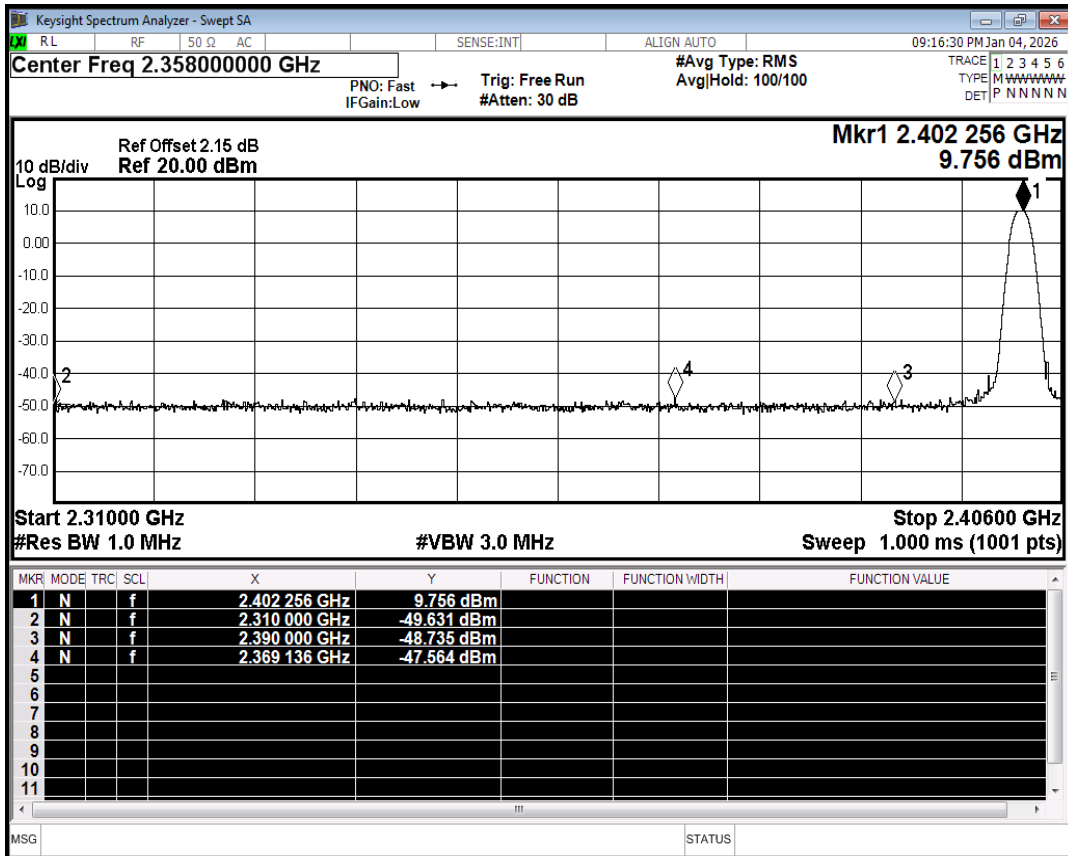
Duty Cycle NVNT 3-DH5 2480MHz Ant1

9 Restrict Band

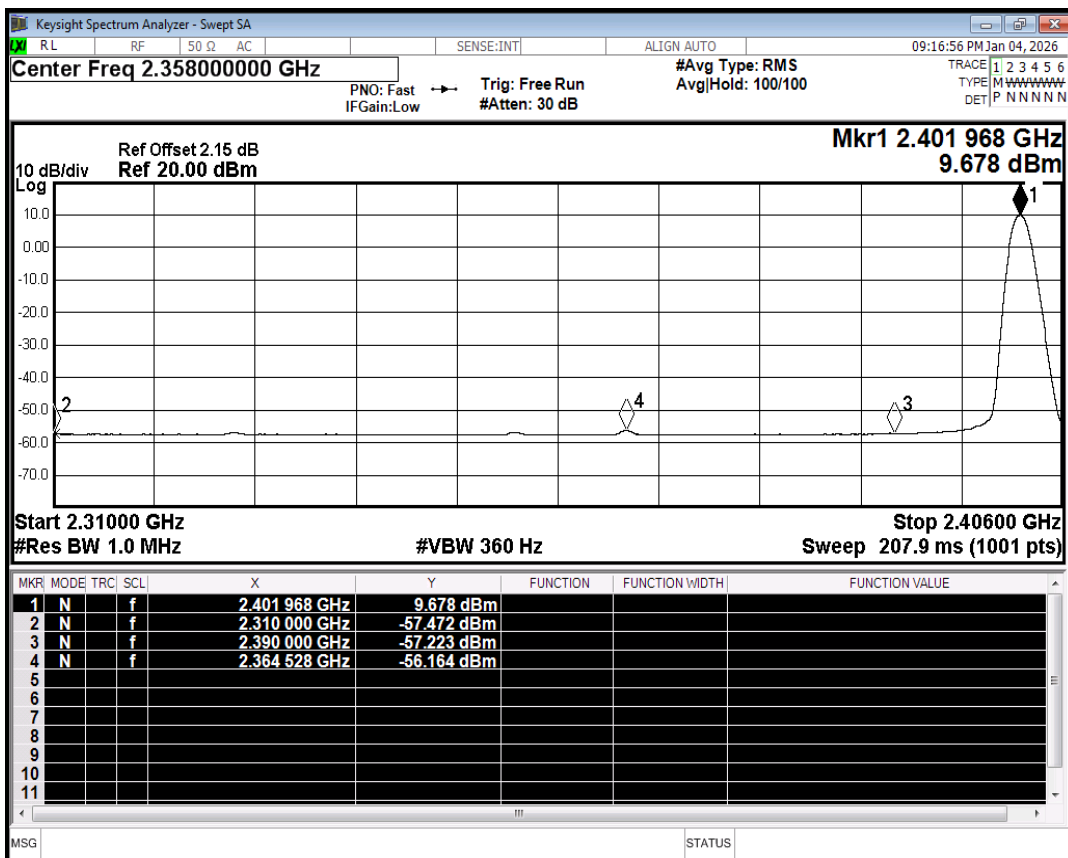
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.63	2	47.63	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.47	2	39.79	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2369.136	-47.56	2	49.7	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2364.528	-56.16	2	41.1	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.61	2	48.65	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.23	2	40.03	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-47.5	2	49.76	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.08	2	47.18	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.632	-45.43	2	51.83	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-50.08	2	47.18	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.86	2	47.4	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.09	2	40.17	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-48.89	2	48.37	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.47	2	39.79	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2377.392	-47.34	2	49.92	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2364.624	-57.17	2	40.09	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-47.49	2	49.77	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.32	2	39.94	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.28	2	47.98	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.9	2	46.36	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.4	-46.4	2	50.86	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-50.9	2	46.36	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49	2	48.26	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.28	2	39.98	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.47	2	47.79	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.47	2	39.79	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2385.744	-47.55	2	49.71	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2353.872	-57.16	2	40.1	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.96	2	46.3	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.42	2	39.84	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-48.05	2	49.21	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.89	2	46.37	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.328	-46.43	2	50.83	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-50.89	2	46.37	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.49	2	47.77	Peak	74	Pass



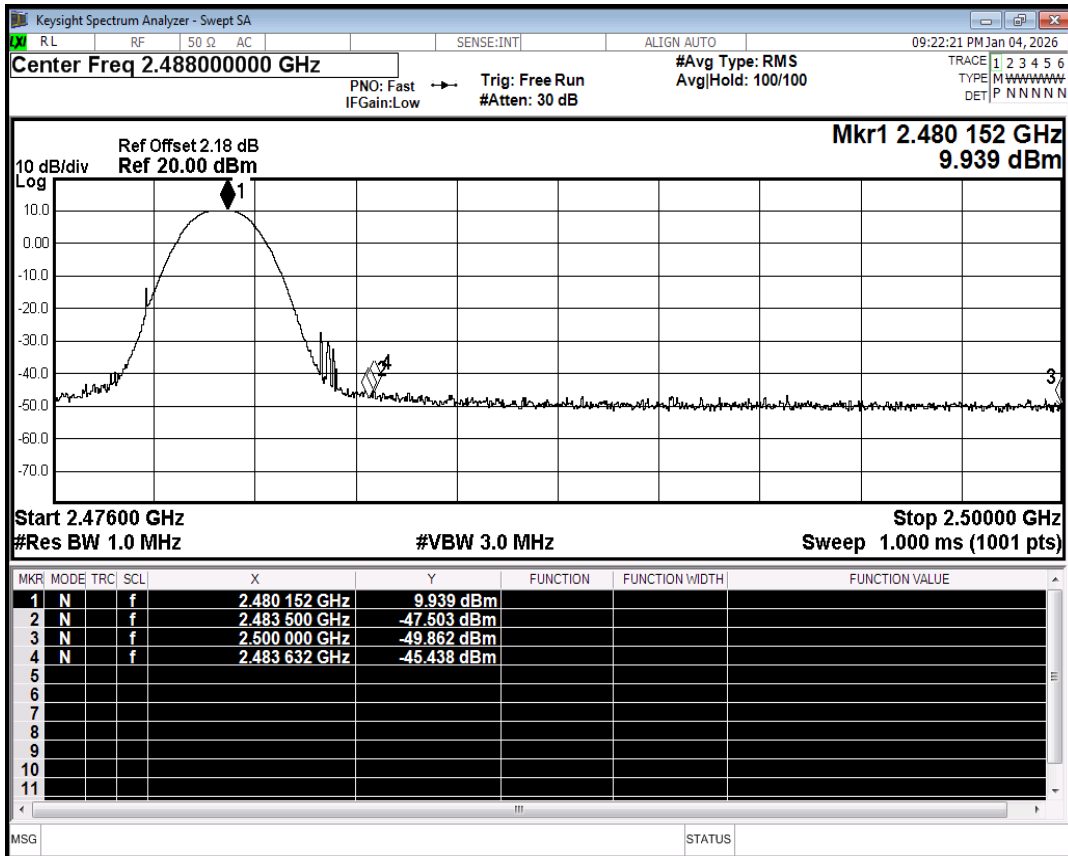
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.3	2	39.96	Average	54	Pass
------	-------	------	------	------------	------	-------	---	-------	---------	----	------



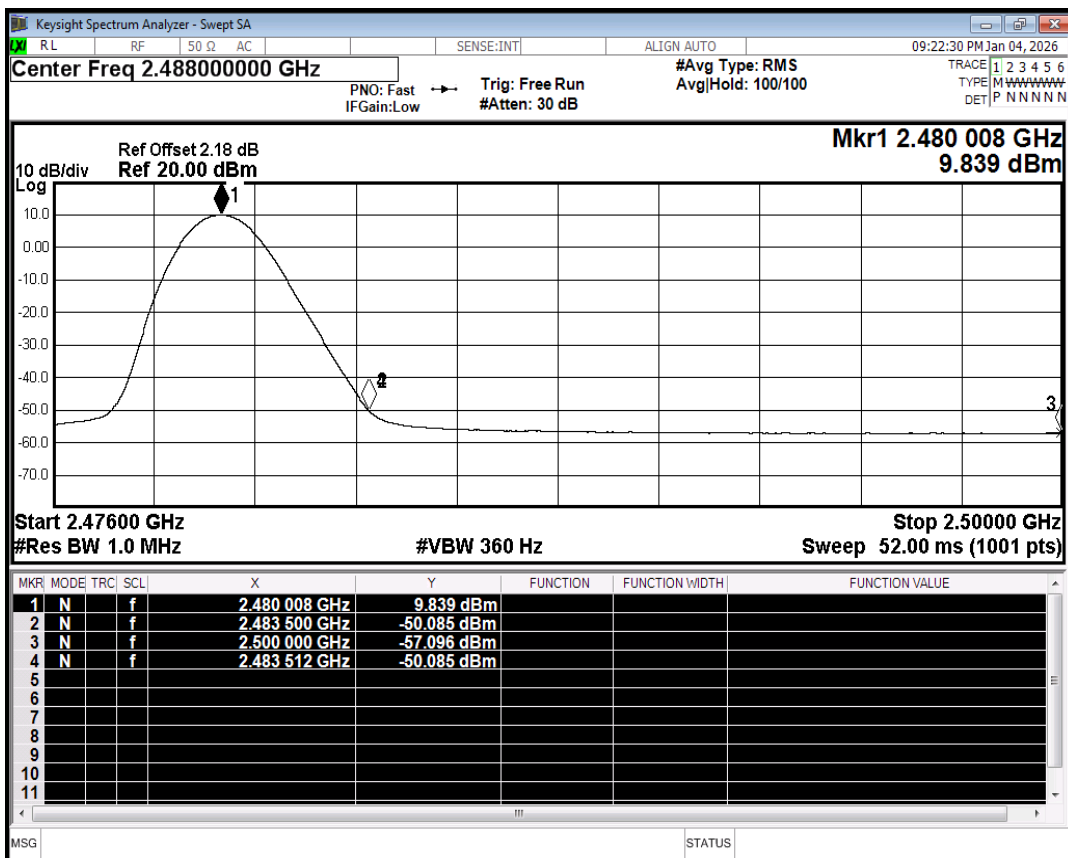
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



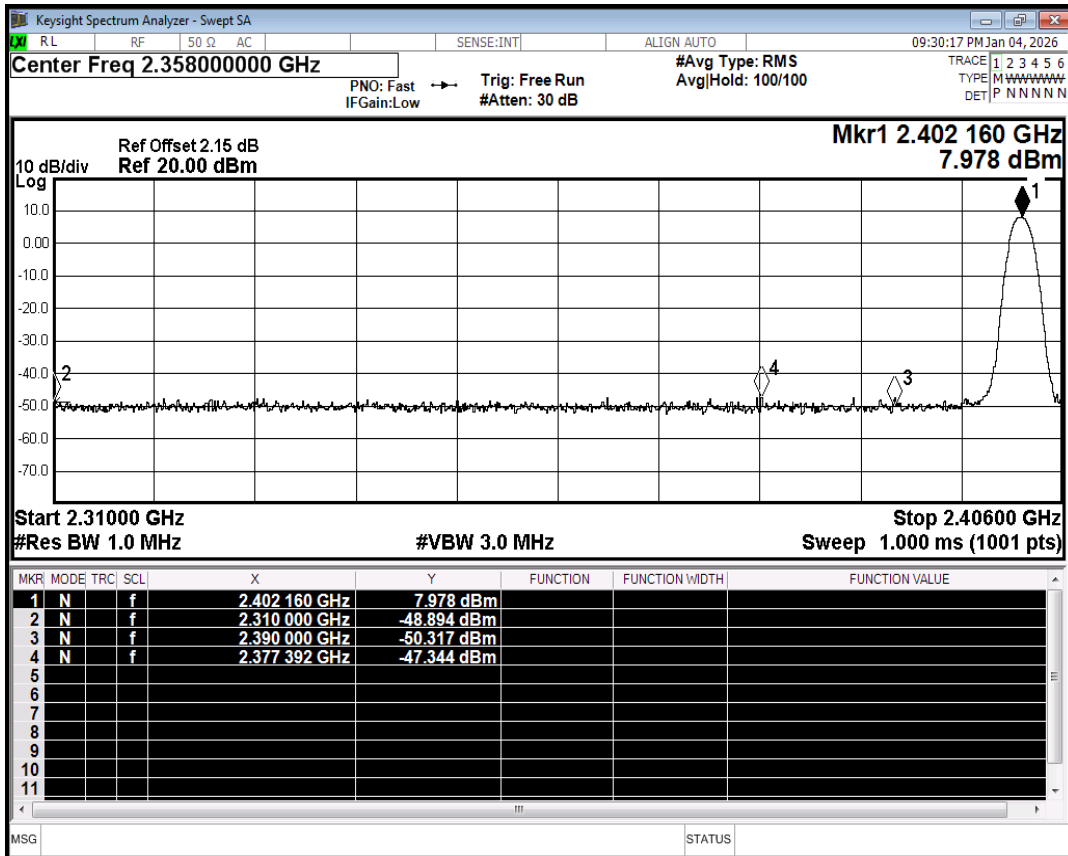
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



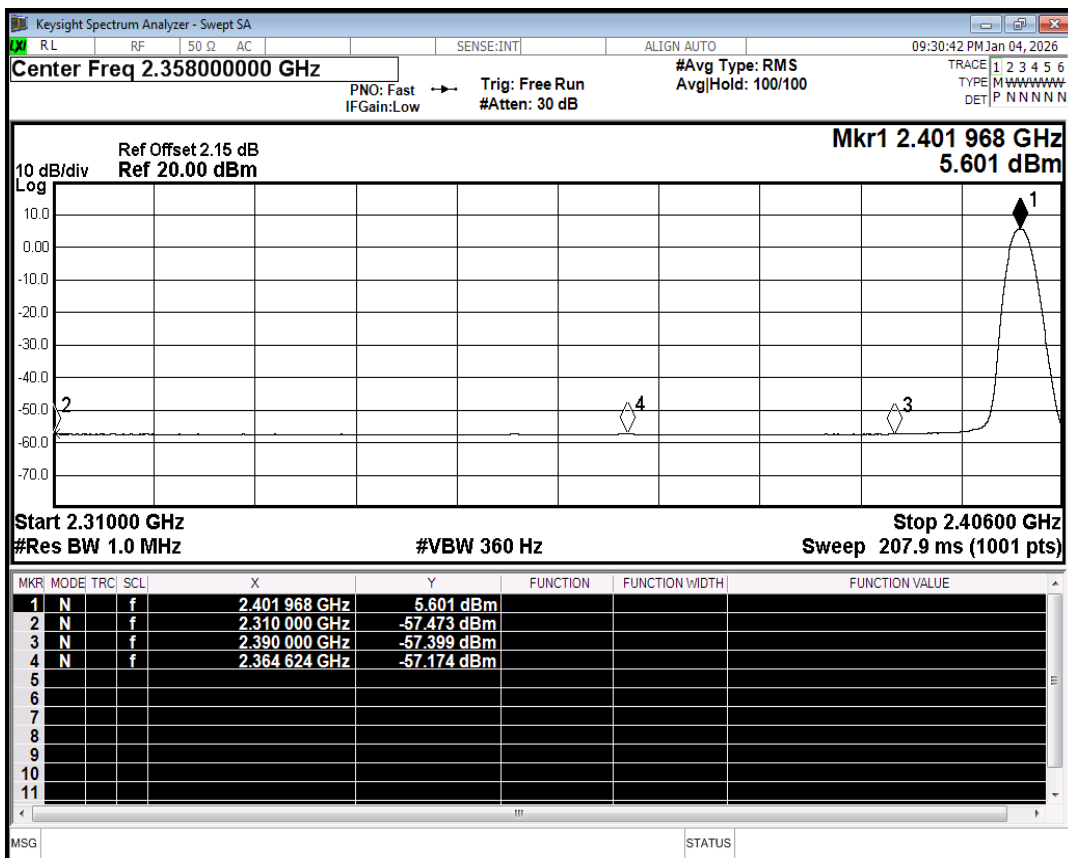
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



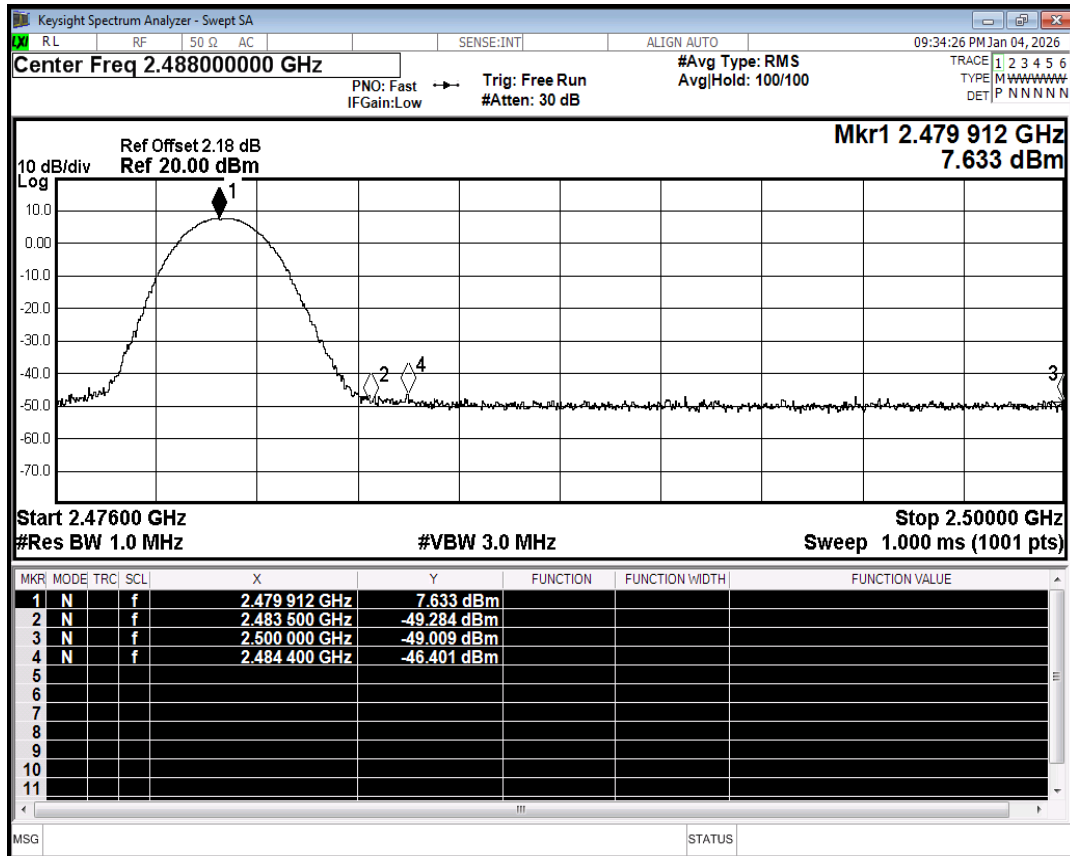
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



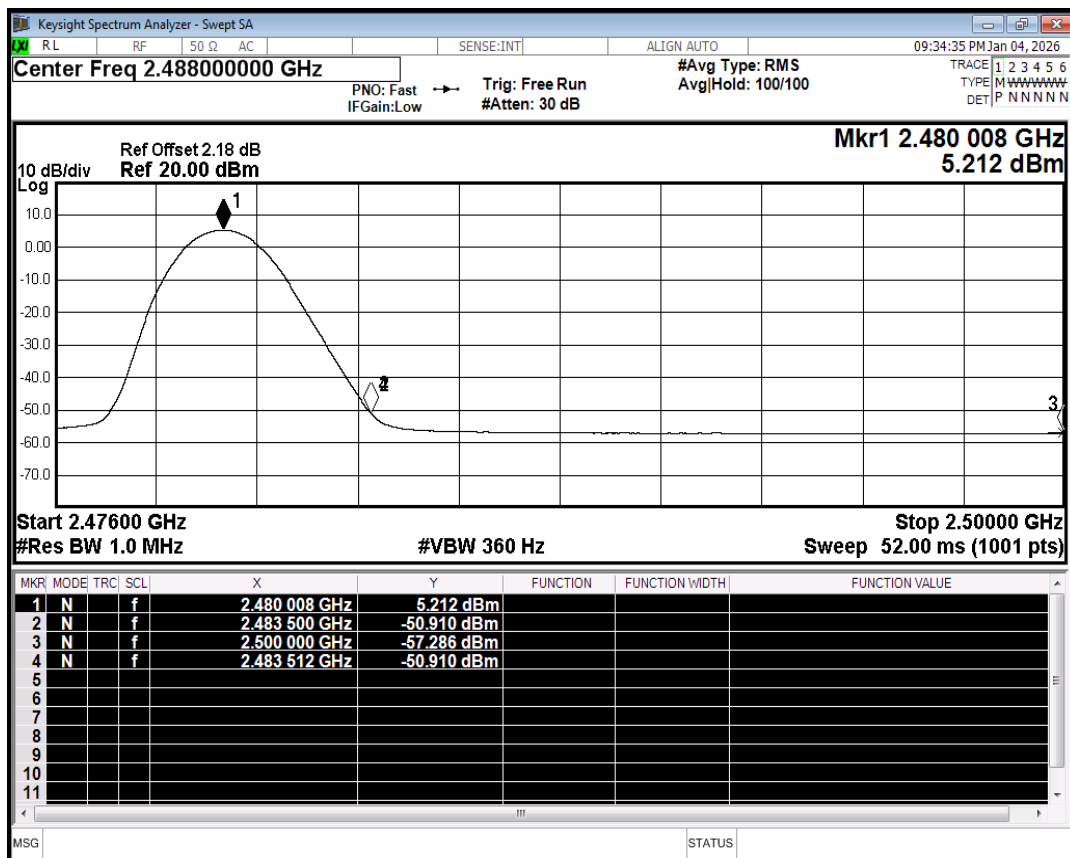
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



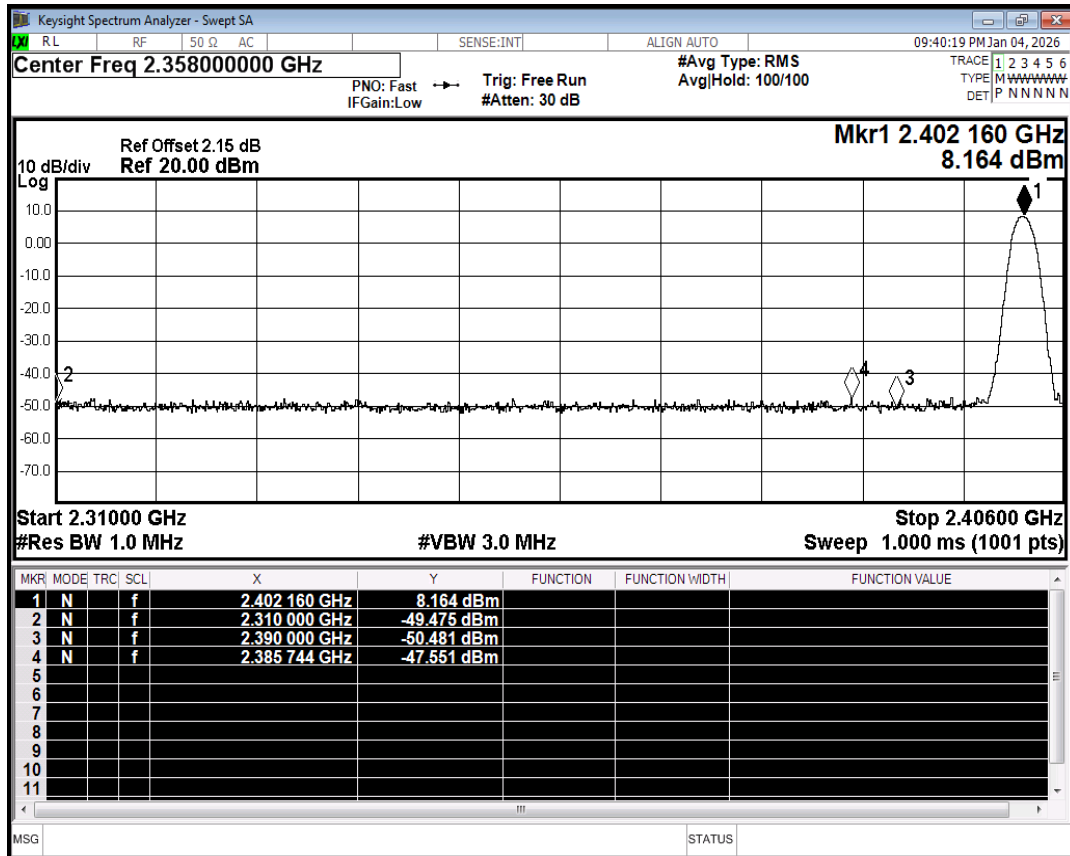
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



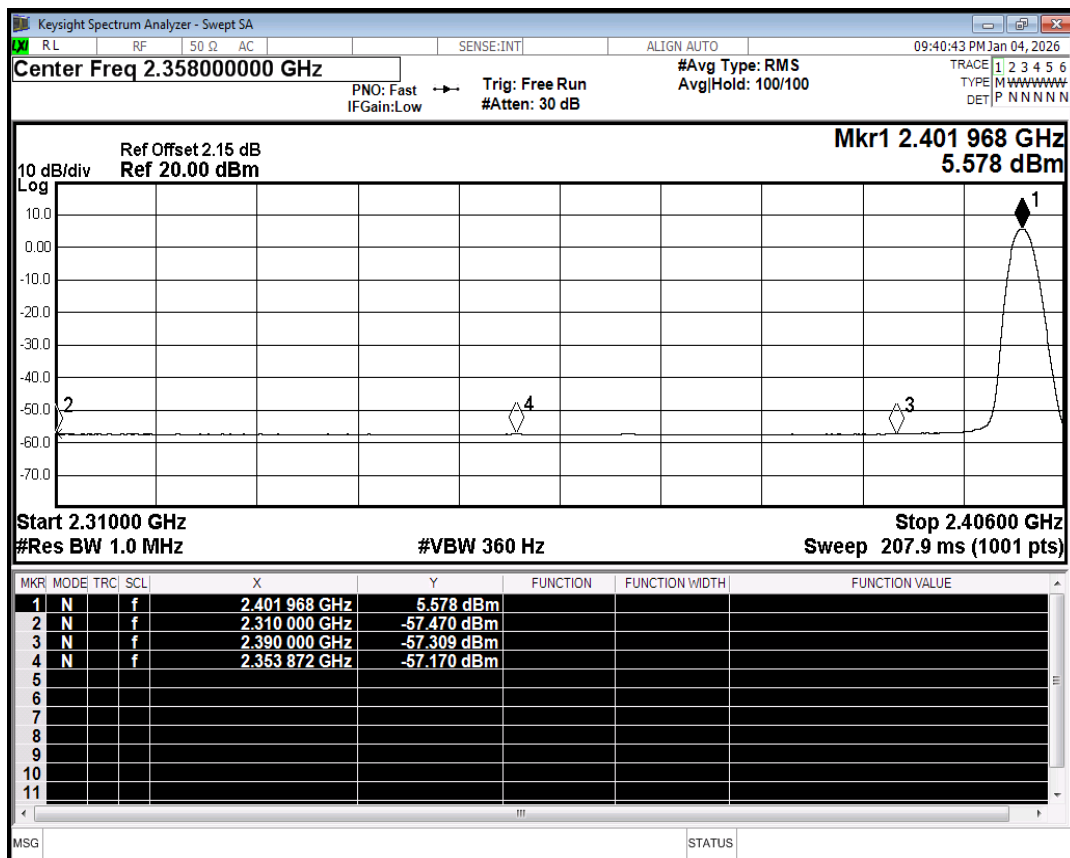
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



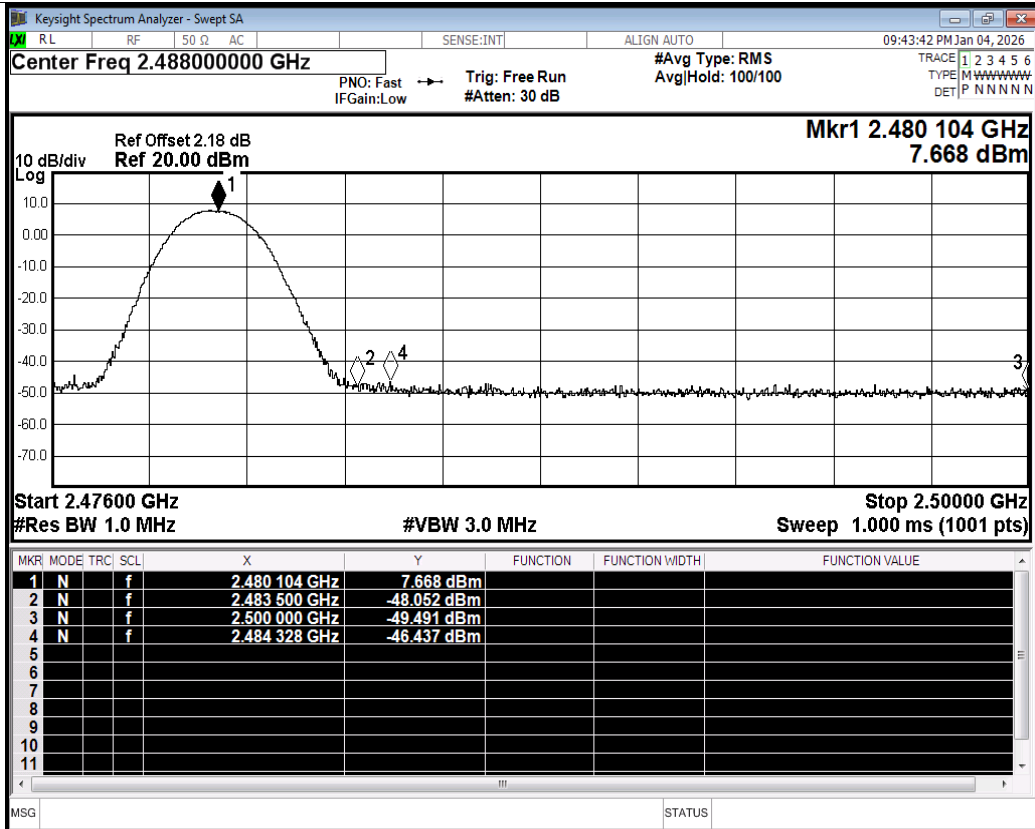
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



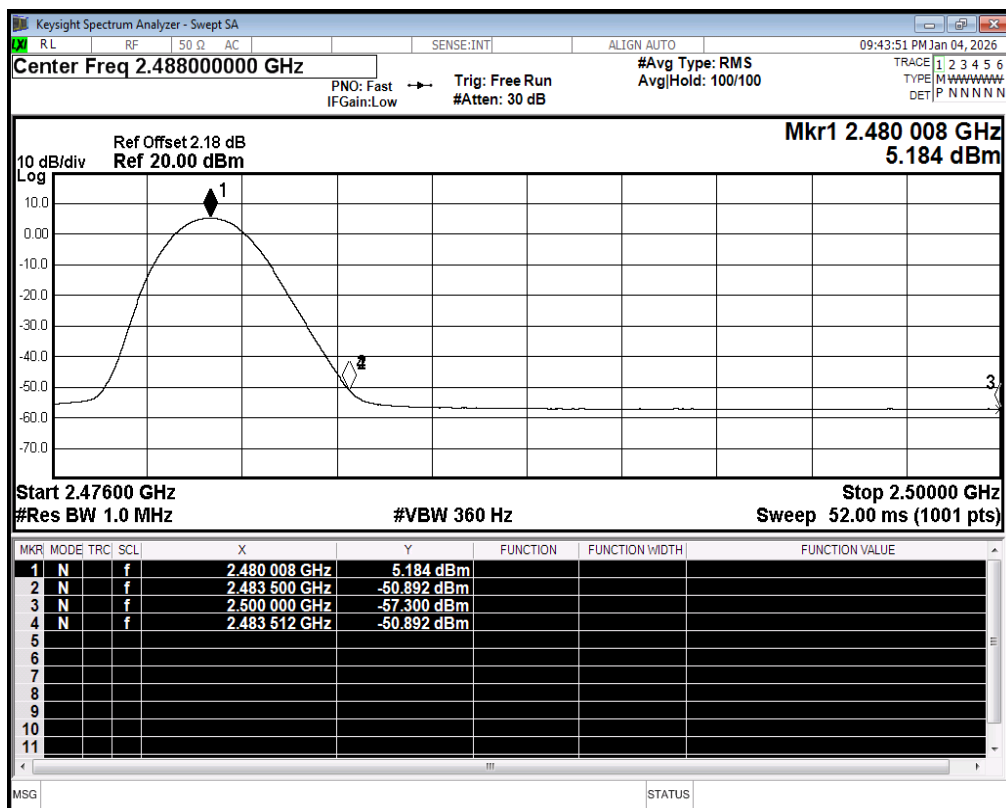
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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