



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: fixed wireless phone

Test Model: F151

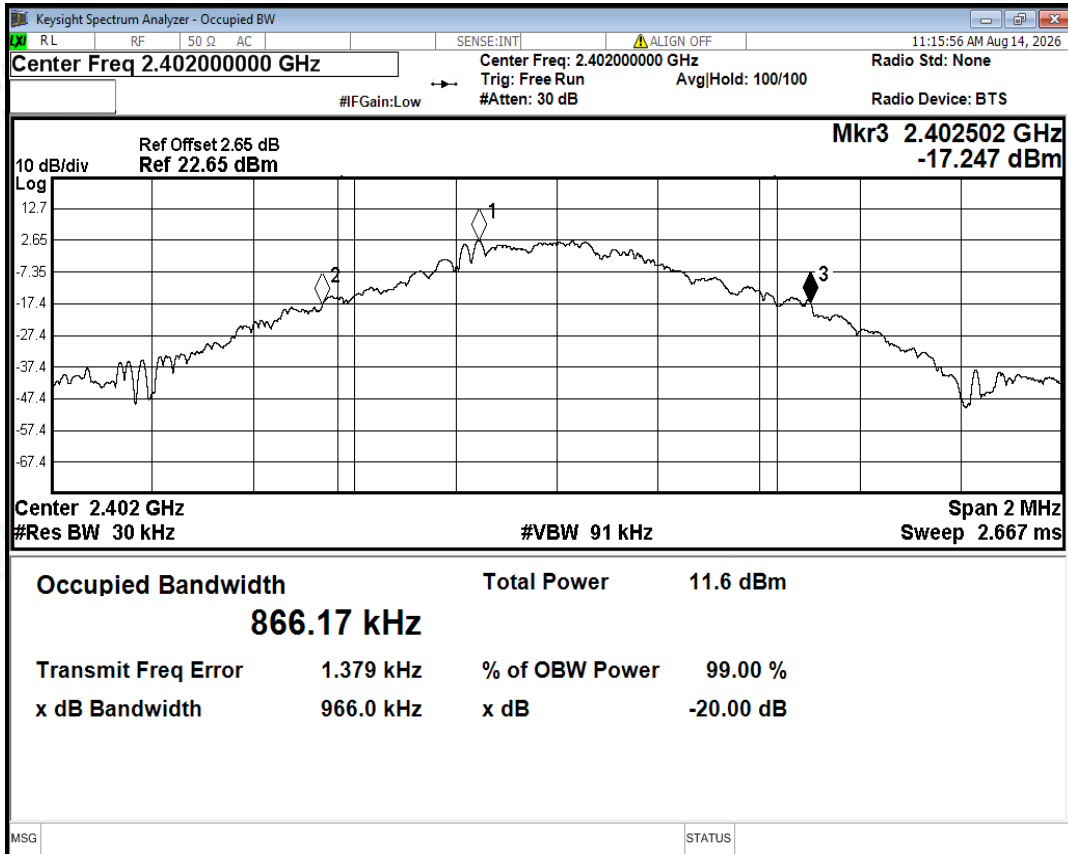
Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

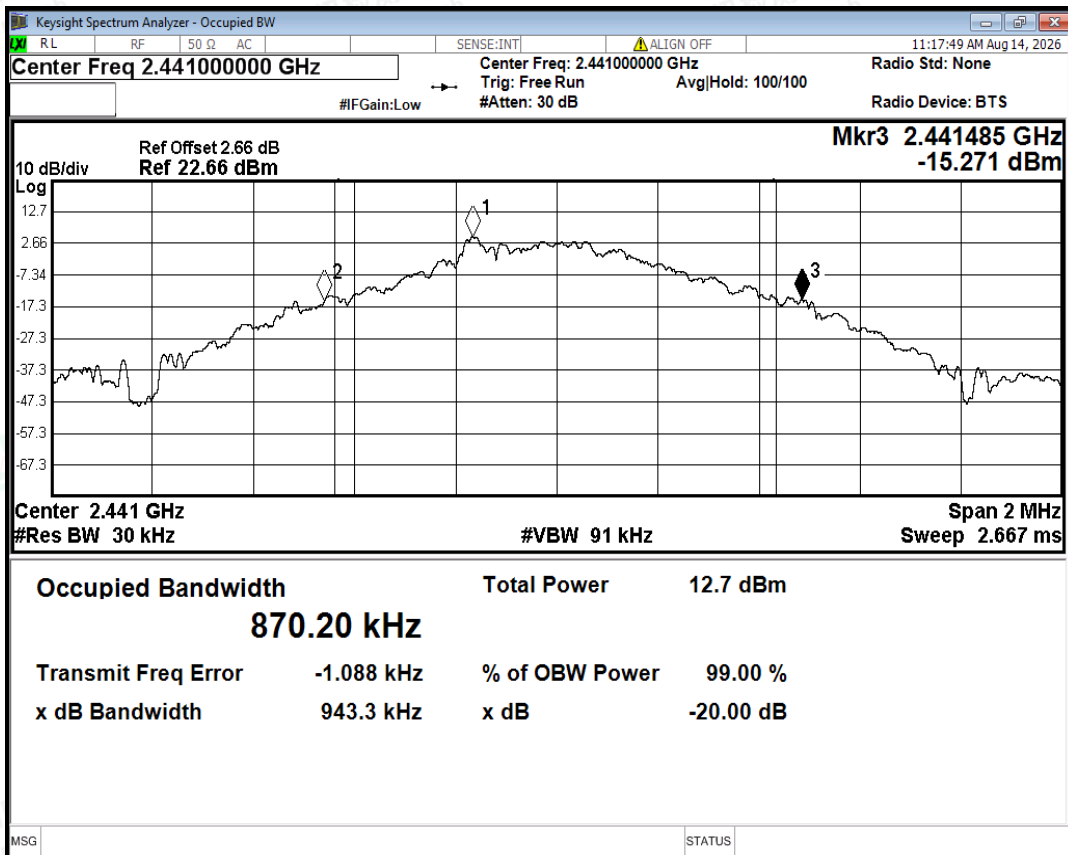


A.1 -20dB Bandwidth

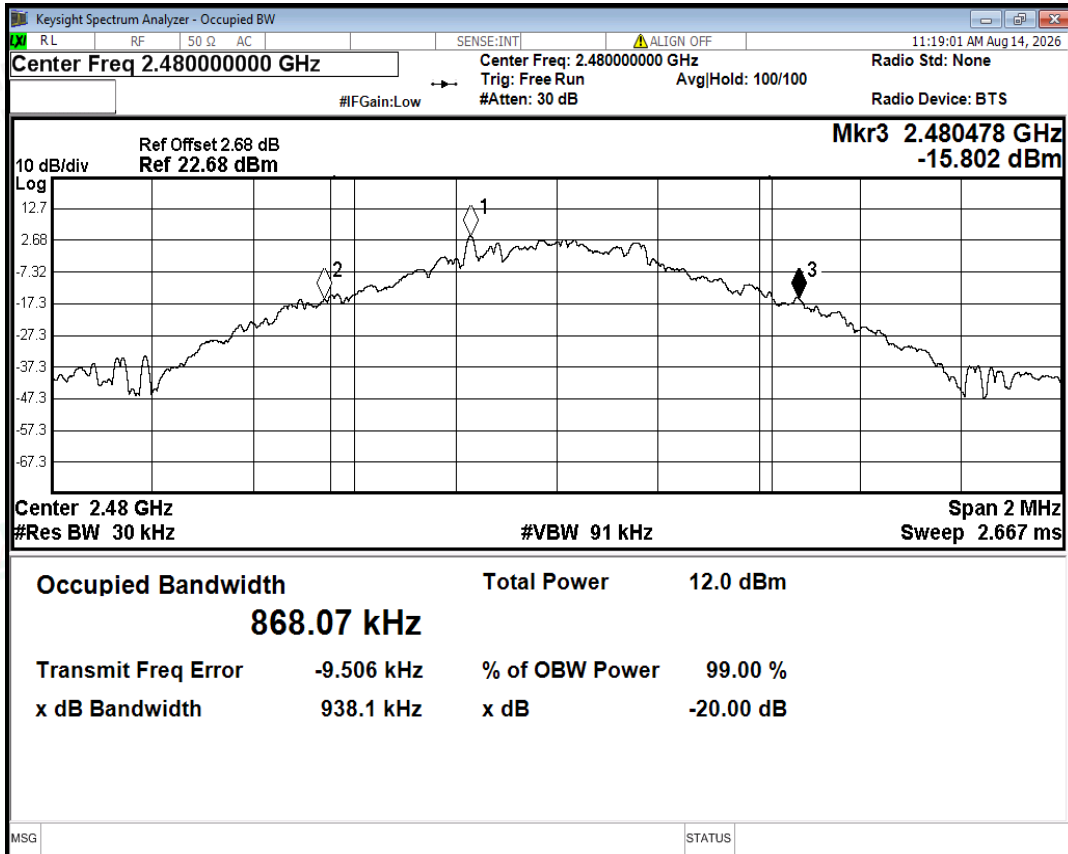
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.966	0	Pass
NVNT	1-DH5	2441	Ant1	0.9433	0	Pass
NVNT	1-DH5	2480	Ant1	0.9381	0	Pass
NVNT	2-DH5	2402	Ant1	1.284	0	Pass
NVNT	2-DH5	2441	Ant1	1.284	0	Pass
NVNT	2-DH5	2480	Ant1	1.286	0	Pass
NVNT	3-DH5	2402	Ant1	1.29	0	Pass
NVNT	3-DH5	2441	Ant1	1.296	0	Pass
NVNT	3-DH5	2480	Ant1	1.296	0	Pass



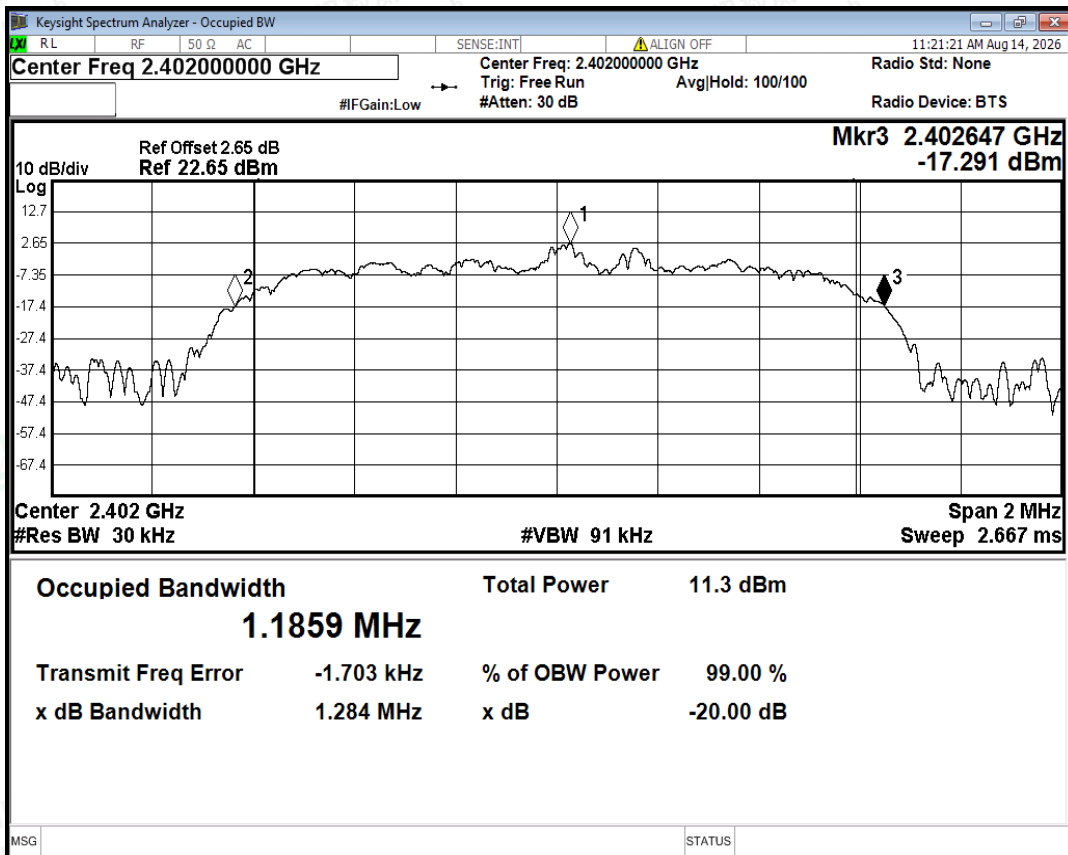
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



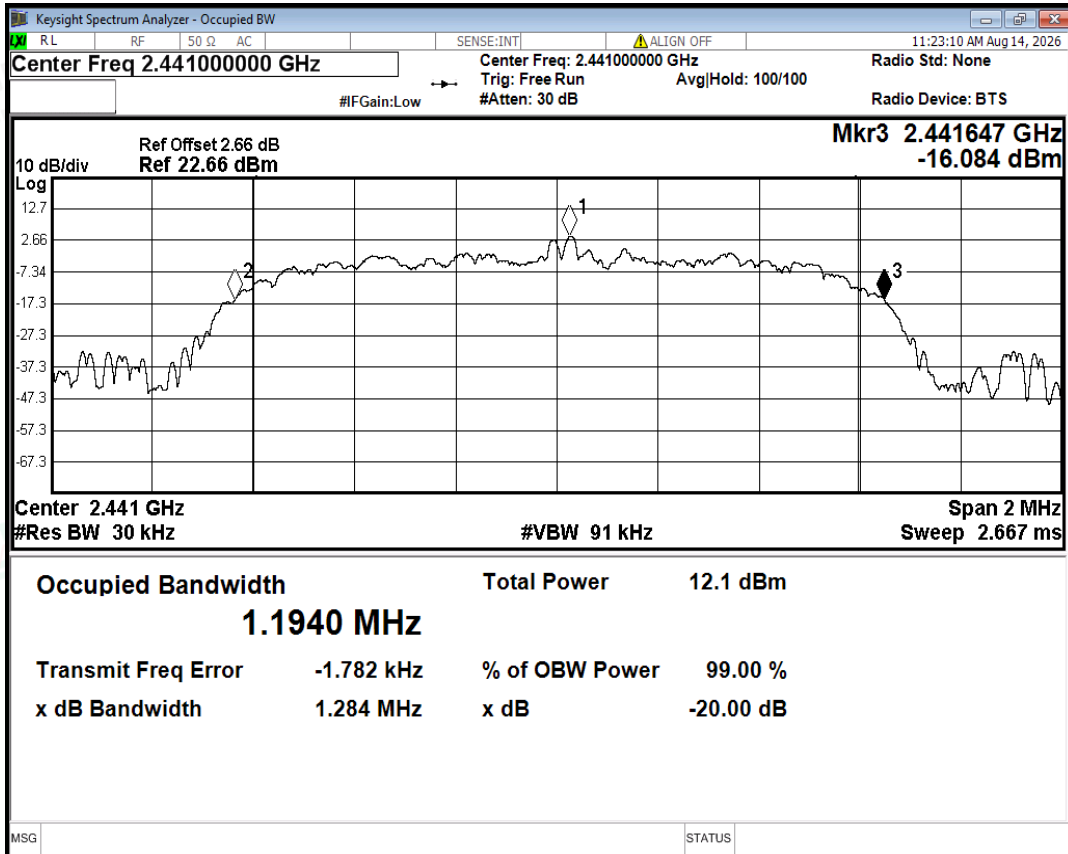
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



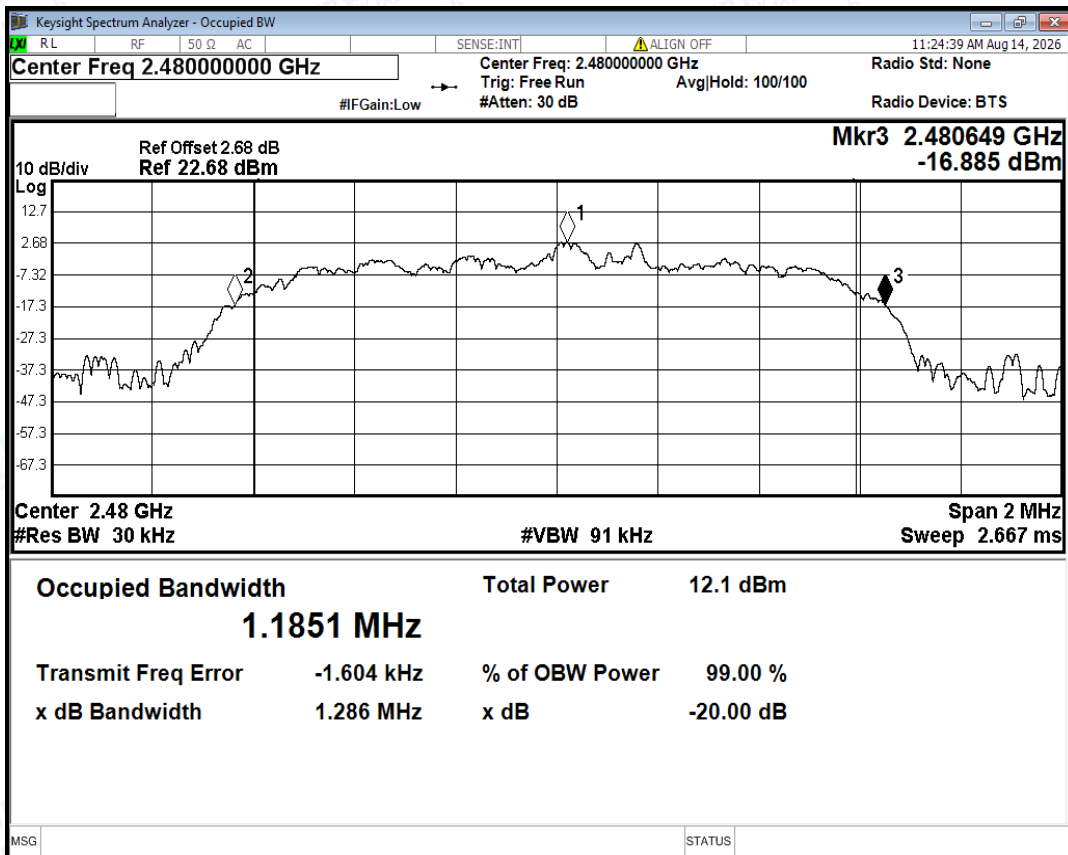
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



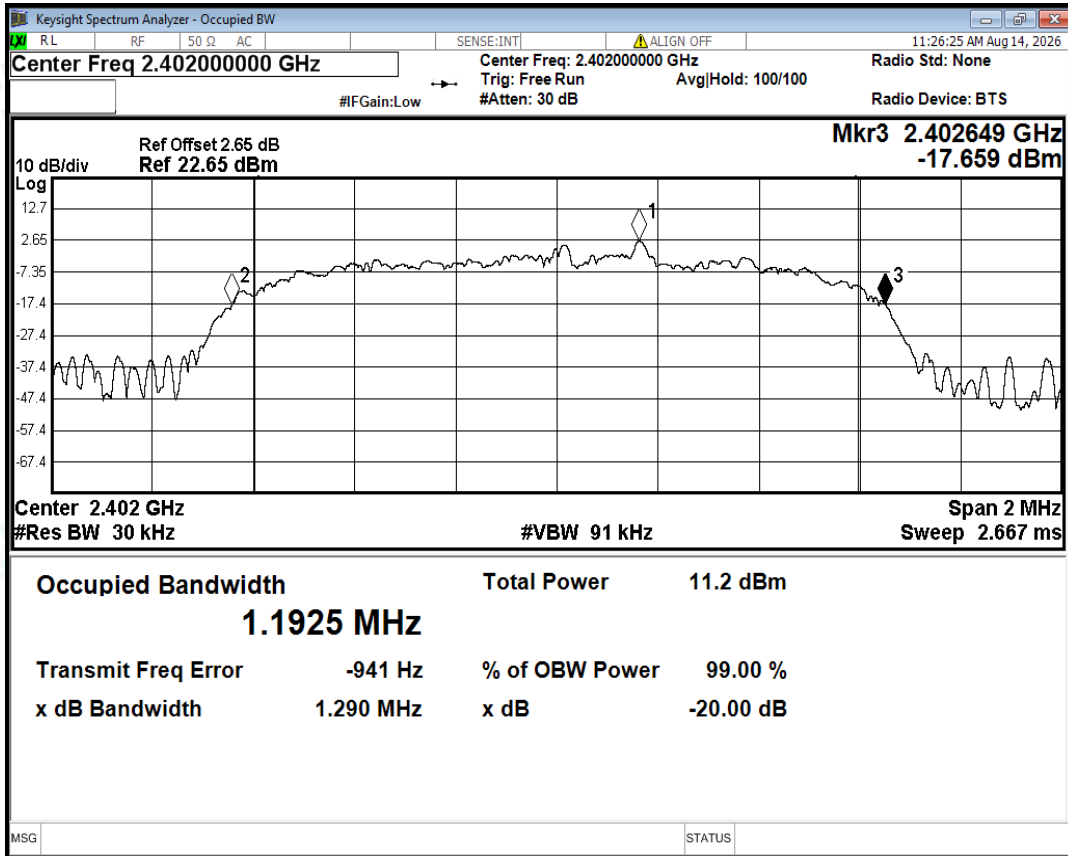
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



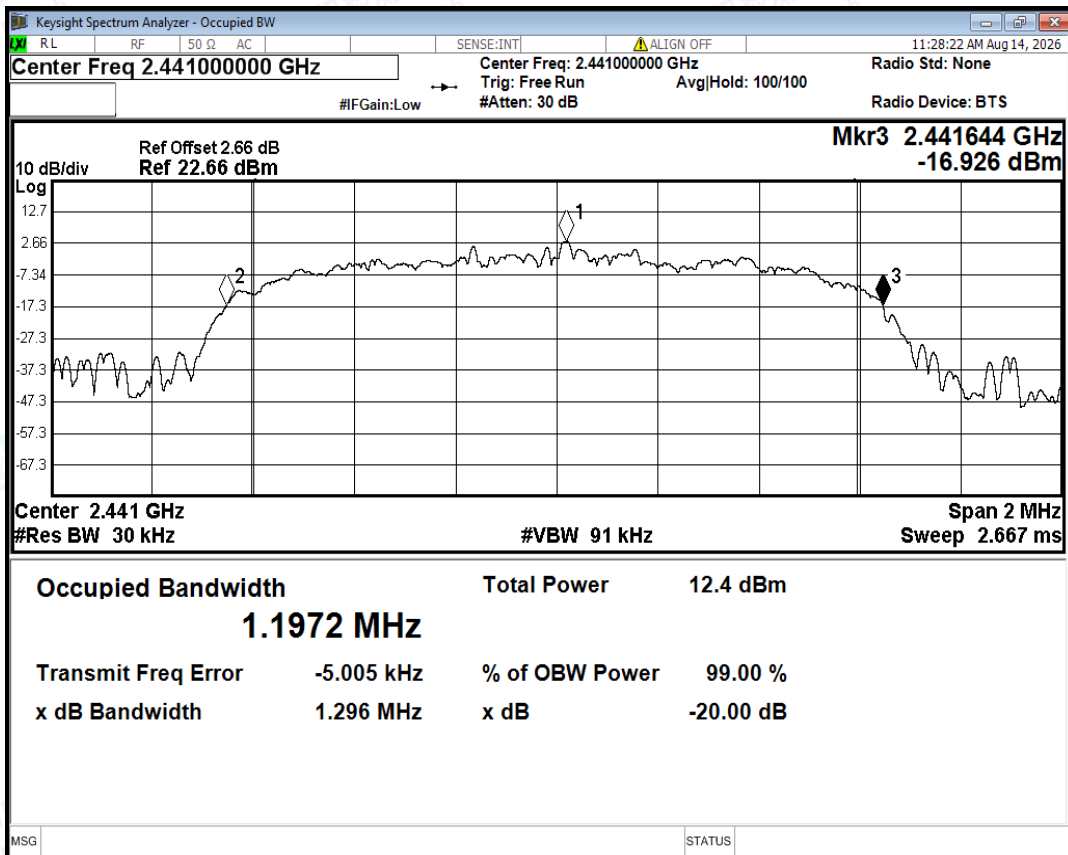
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



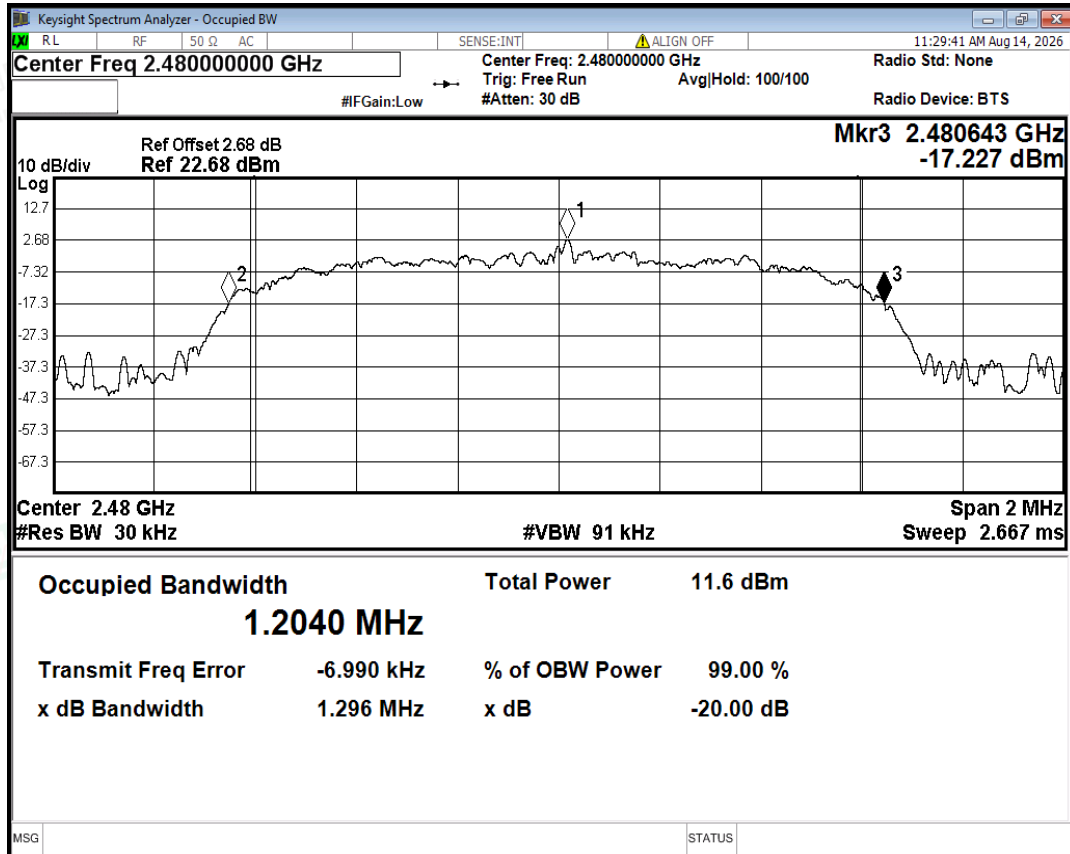
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

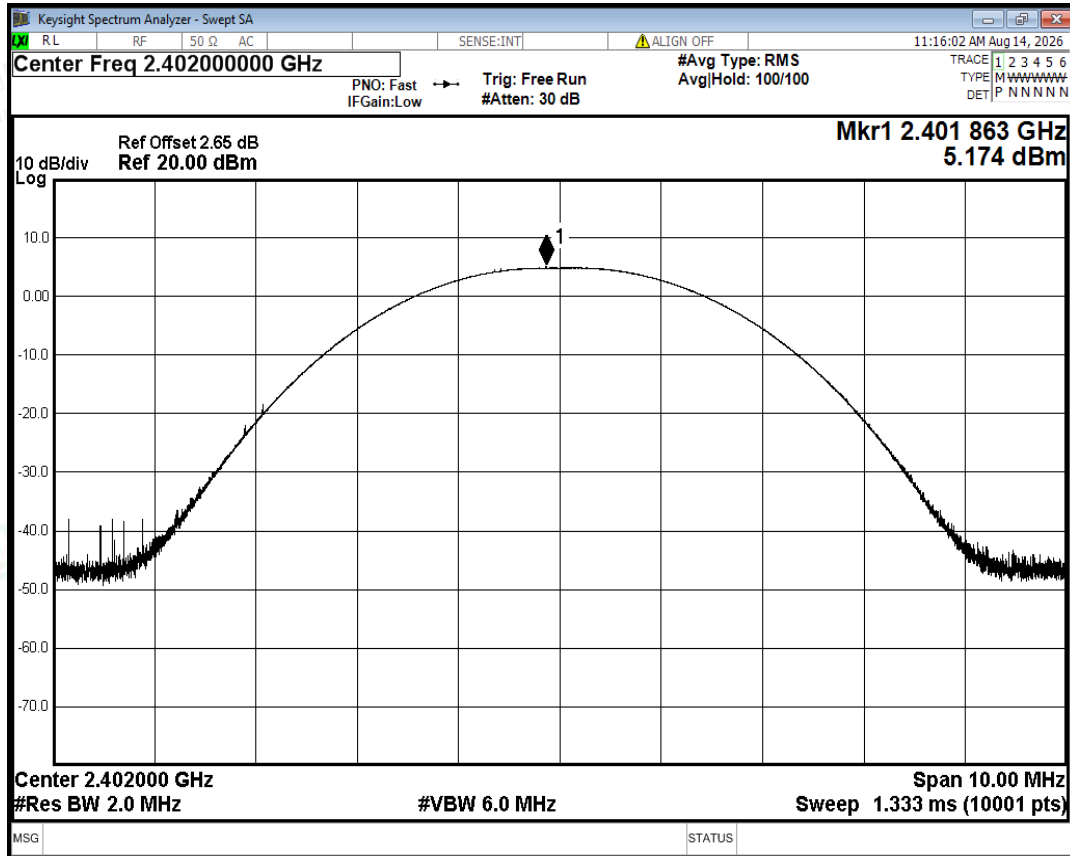


-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

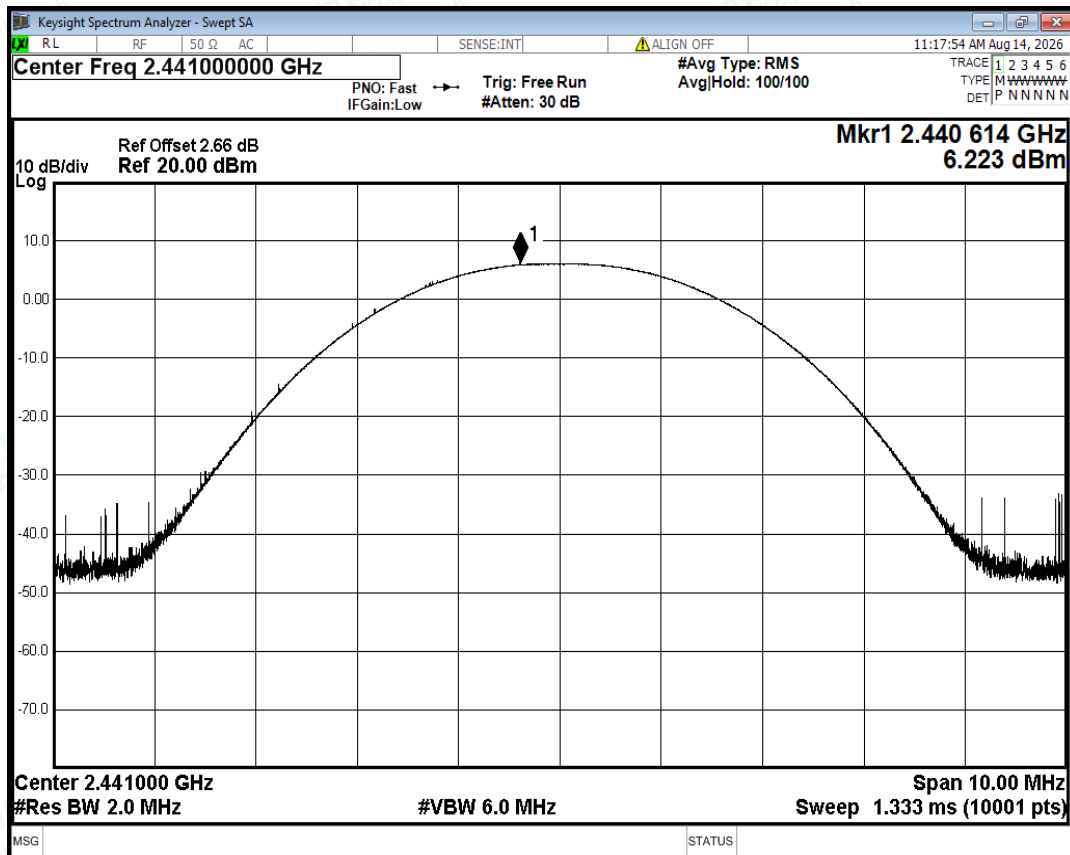


A.2 Maximum Peak Conducted Output Power

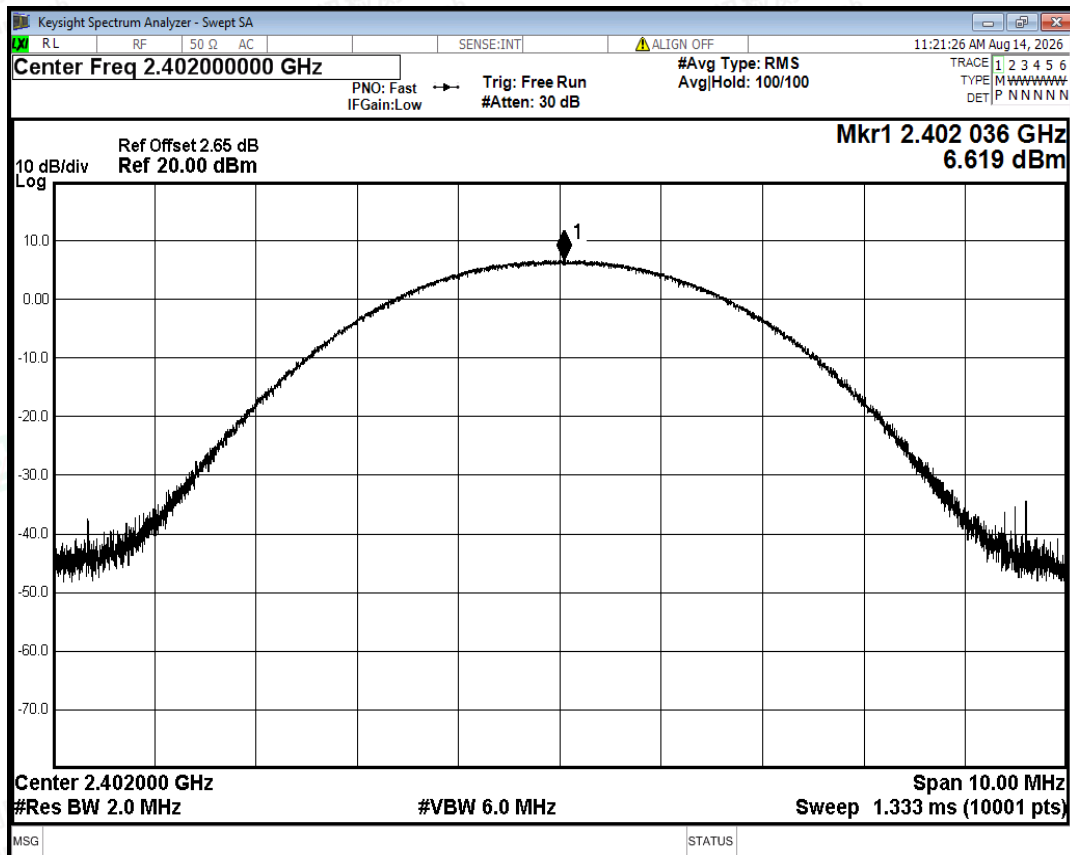
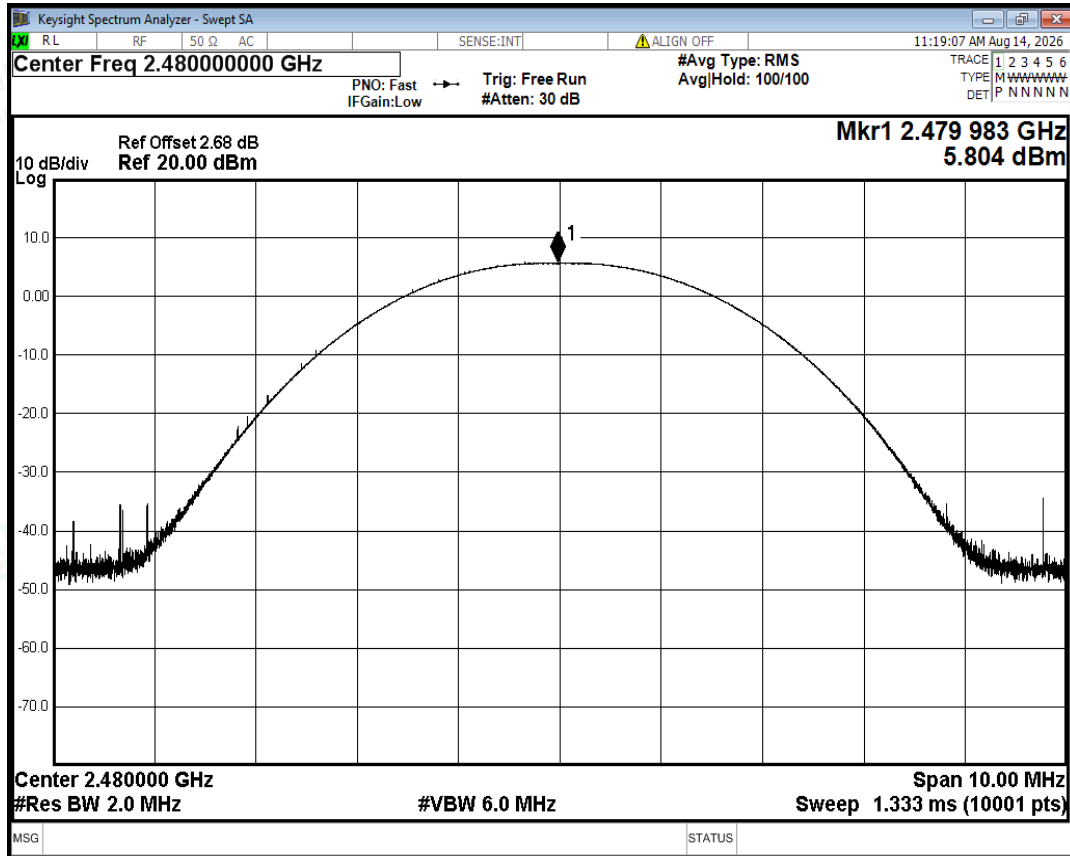
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.17	30	Pass
NVNT	1-DH5	2441	Ant1	6.22	30	Pass
NVNT	1-DH5	2480	Ant1	5.8	30	Pass
NVNT	2-DH5	2402	Ant1	6.62	30	Pass
NVNT	2-DH5	2441	Ant1	7.82	30	Pass
NVNT	2-DH5	2480	Ant1	7.21	30	Pass
NVNT	3-DH5	2402	Ant1	6.95	30	Pass
NVNT	3-DH5	2441	Ant1	8.09	30	Pass
NVNT	3-DH5	2480	Ant1	7.36	30	Pass

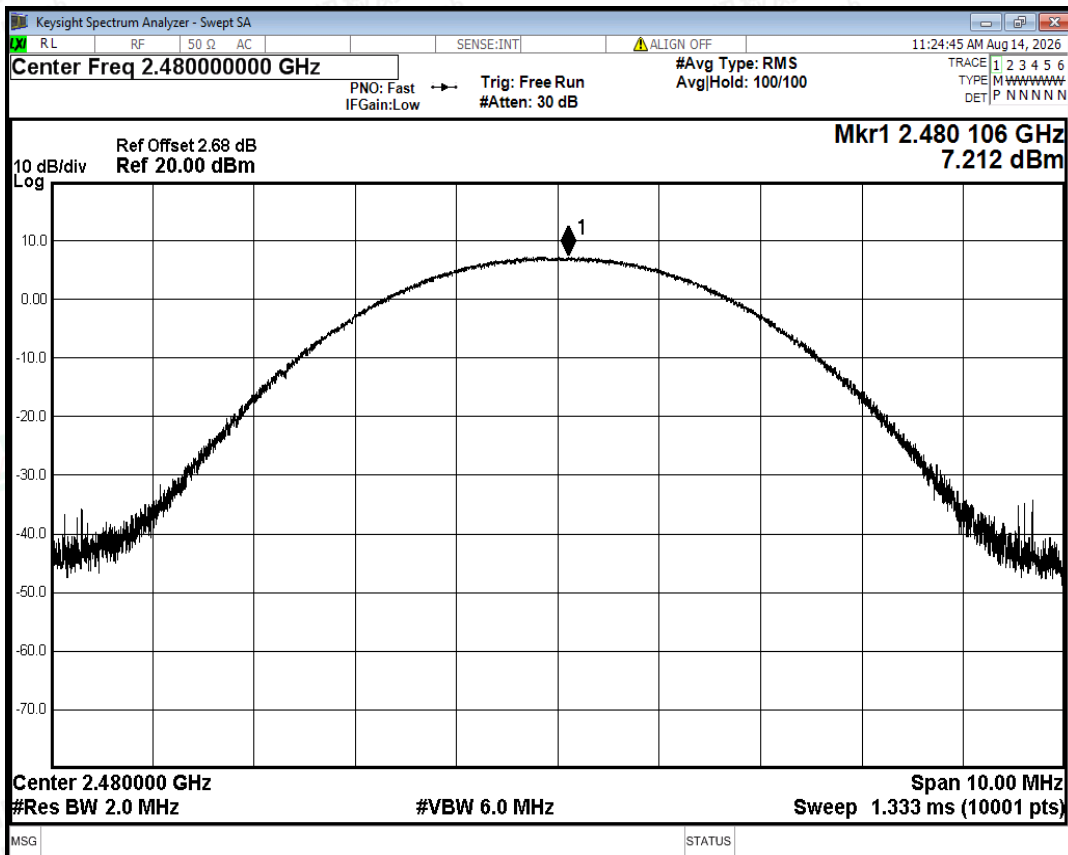
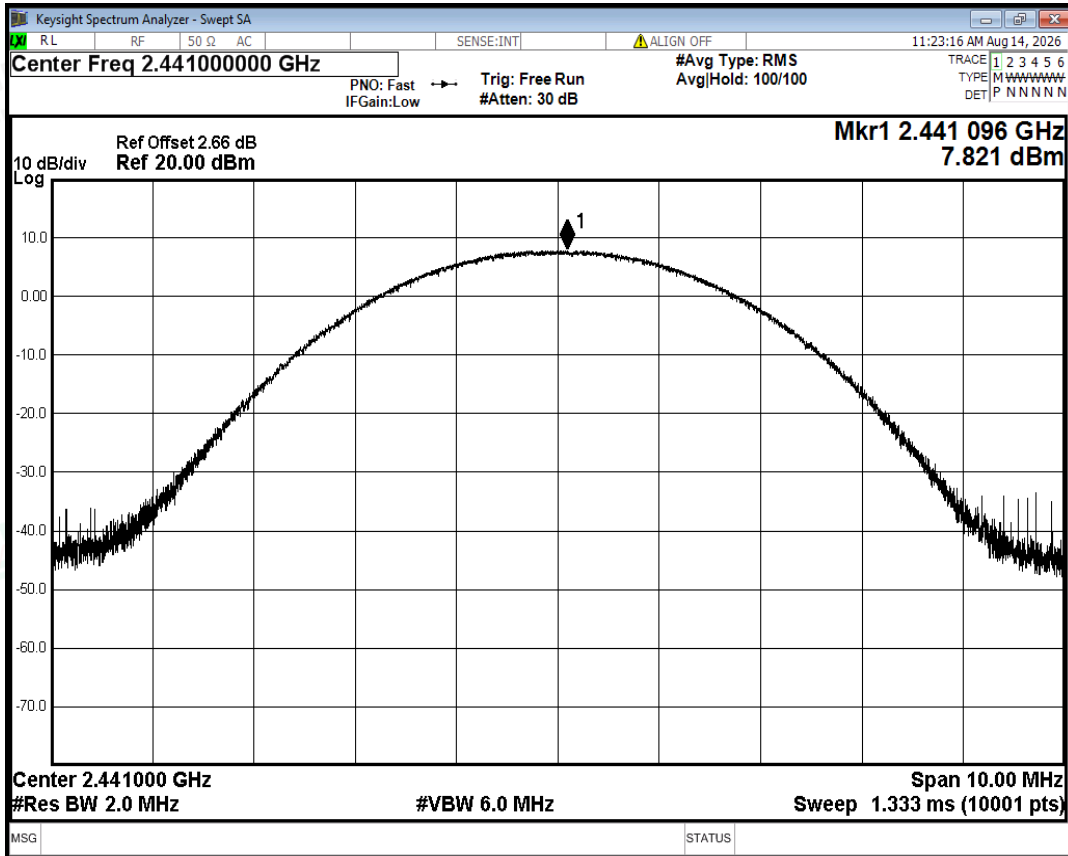


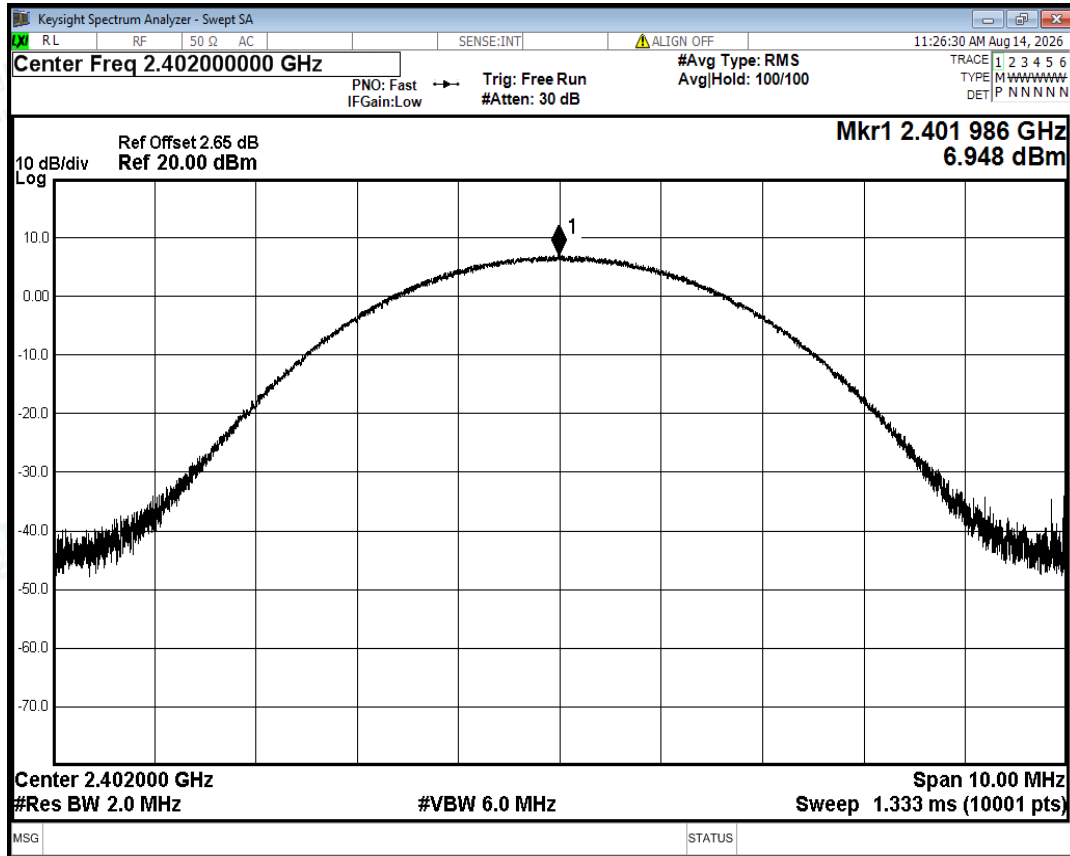
Peak Power NVNT 1-DH5 2402MHz Ant1



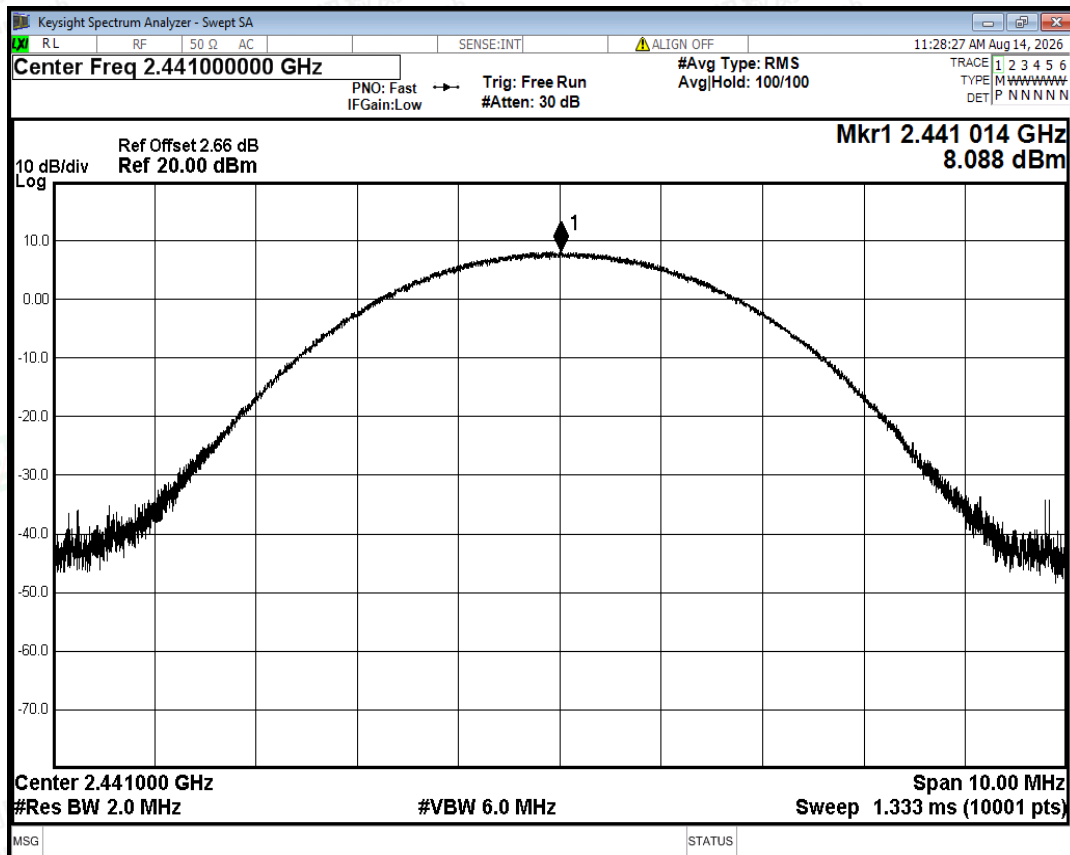
Peak Power NVNT 1-DH5 2441MHz Ant1



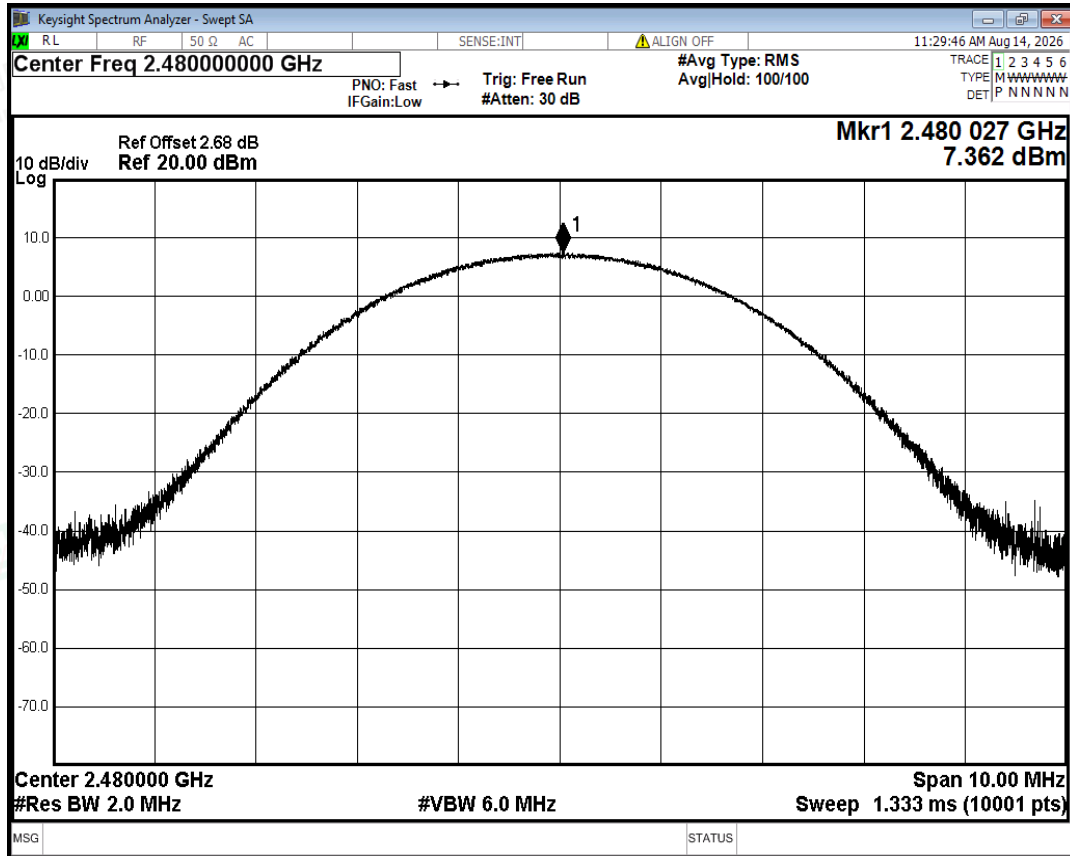




Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



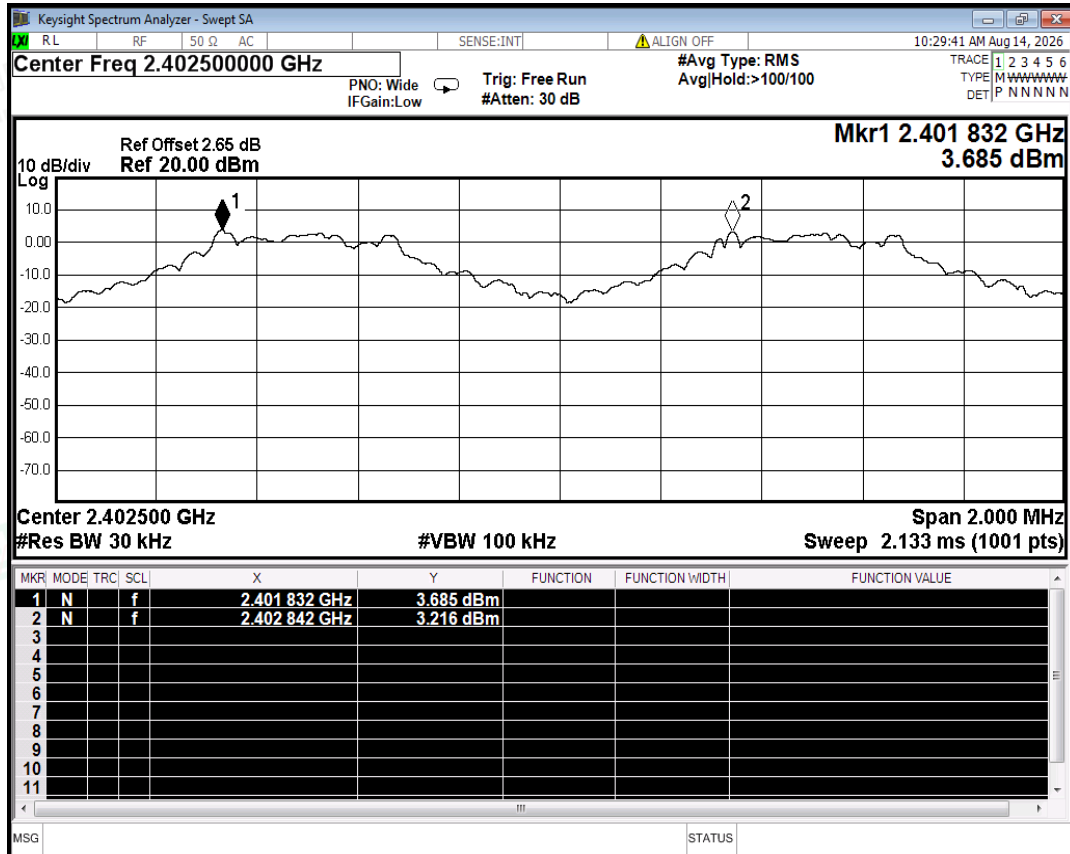
Peak Power NVNT 3-DH5 2480MHz Ant1



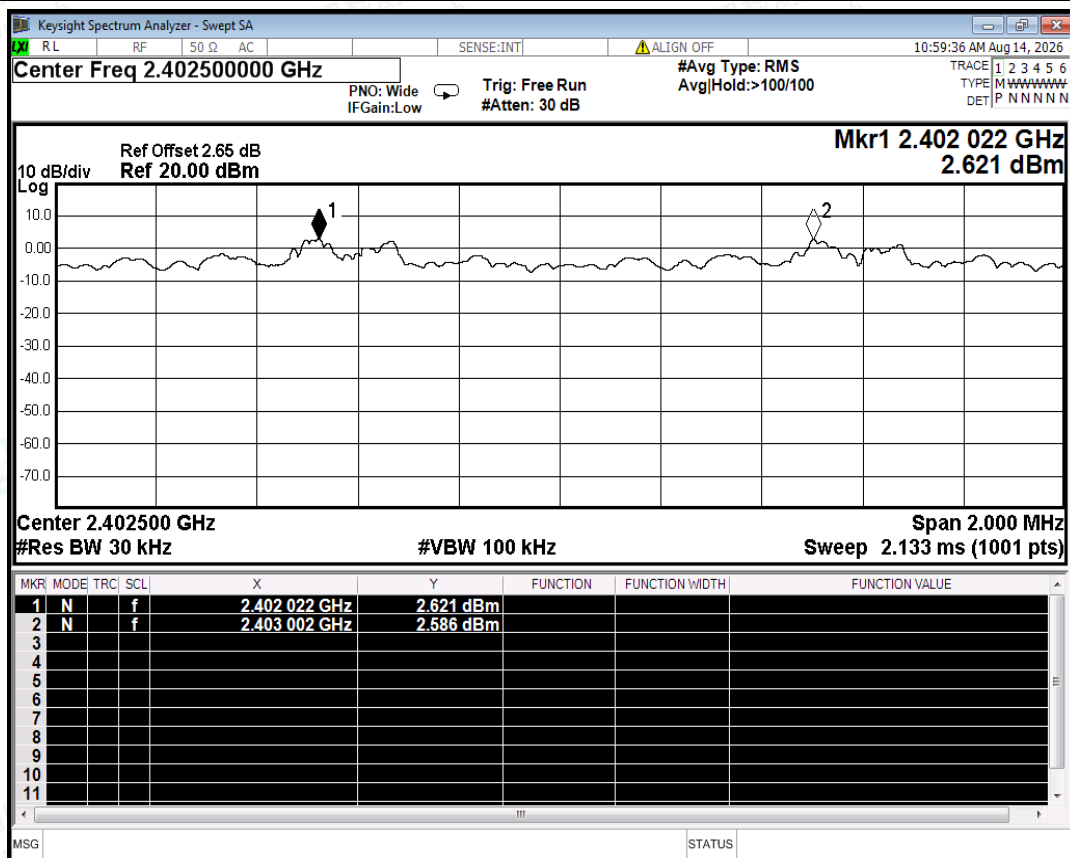
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.832	2402.842	1.01	0.644	Pass
NVNT	2-DH5	Ant1	2402.022	2403.002	0.98	0.857	Pass
NVNT	3-DH5	Ant1	2402.026	2403.028	1.002	0.864	Pass

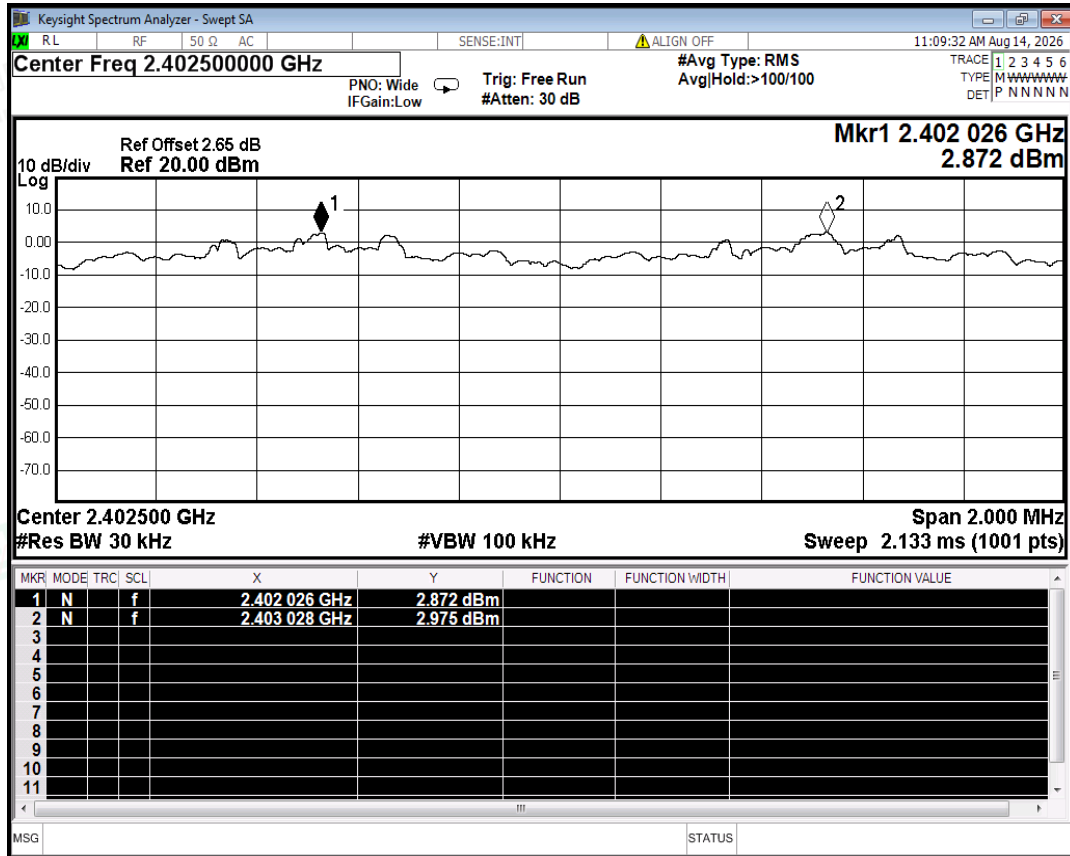




CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



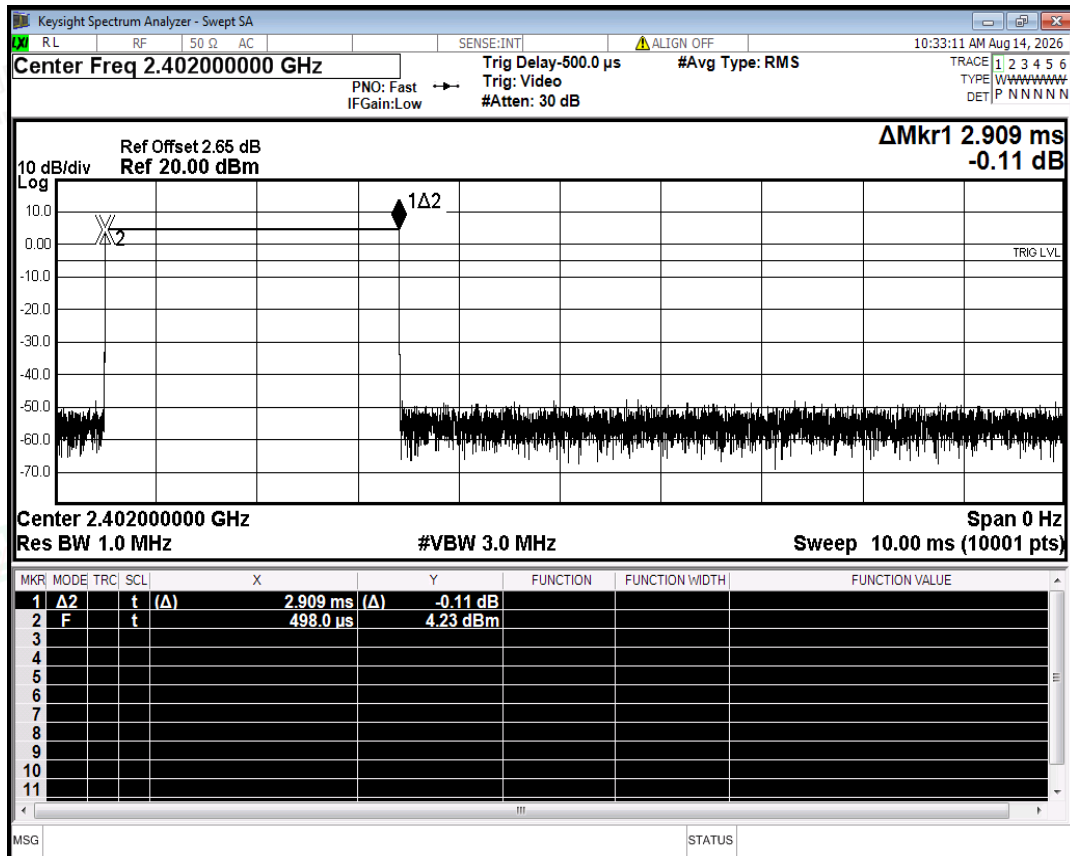
CFS NVNT 3-DH5 2402MHz Ant1



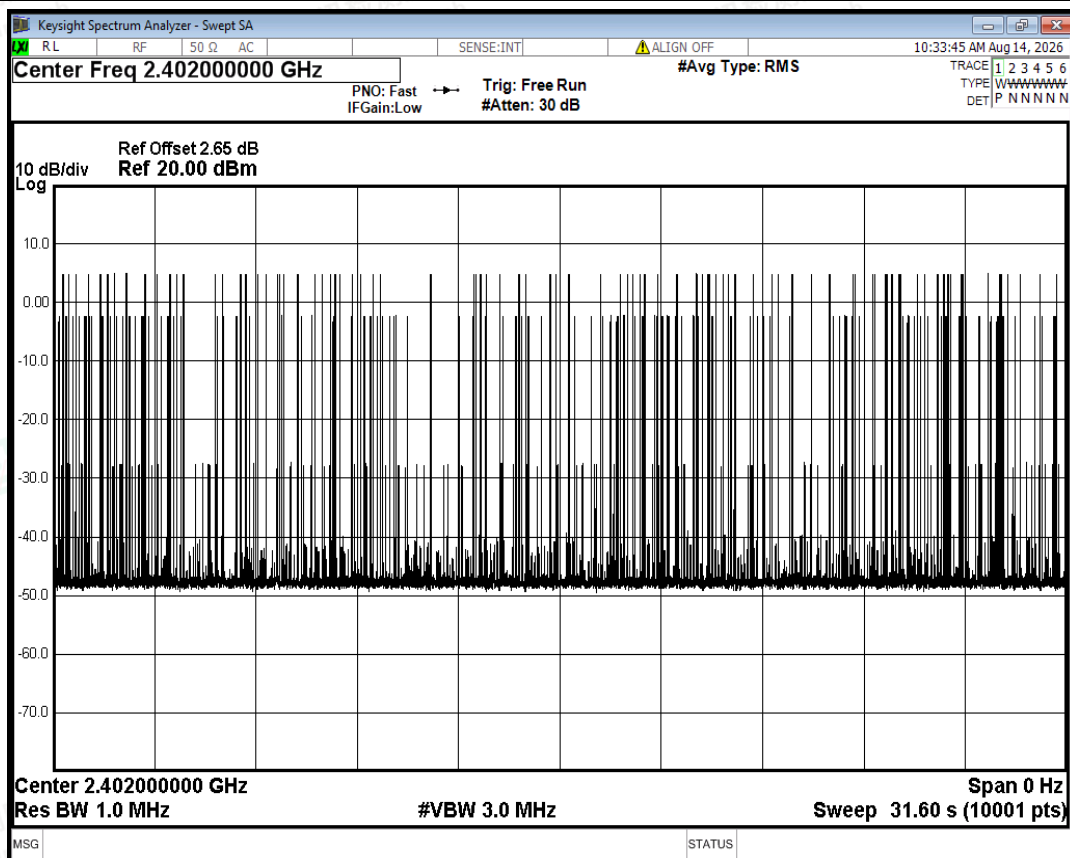
A.4 Dwell Time

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	2.909	296.718	102	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.896	266.432	92	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	330.258	114	31600	400	Pass

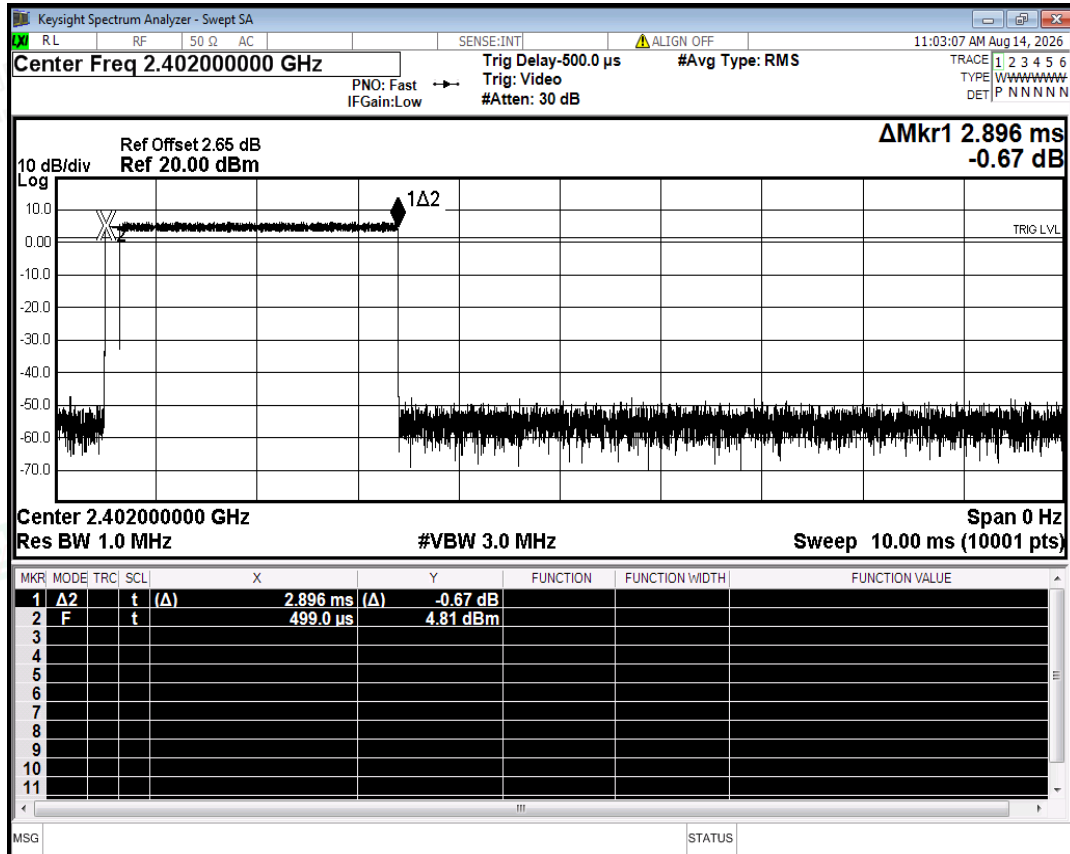




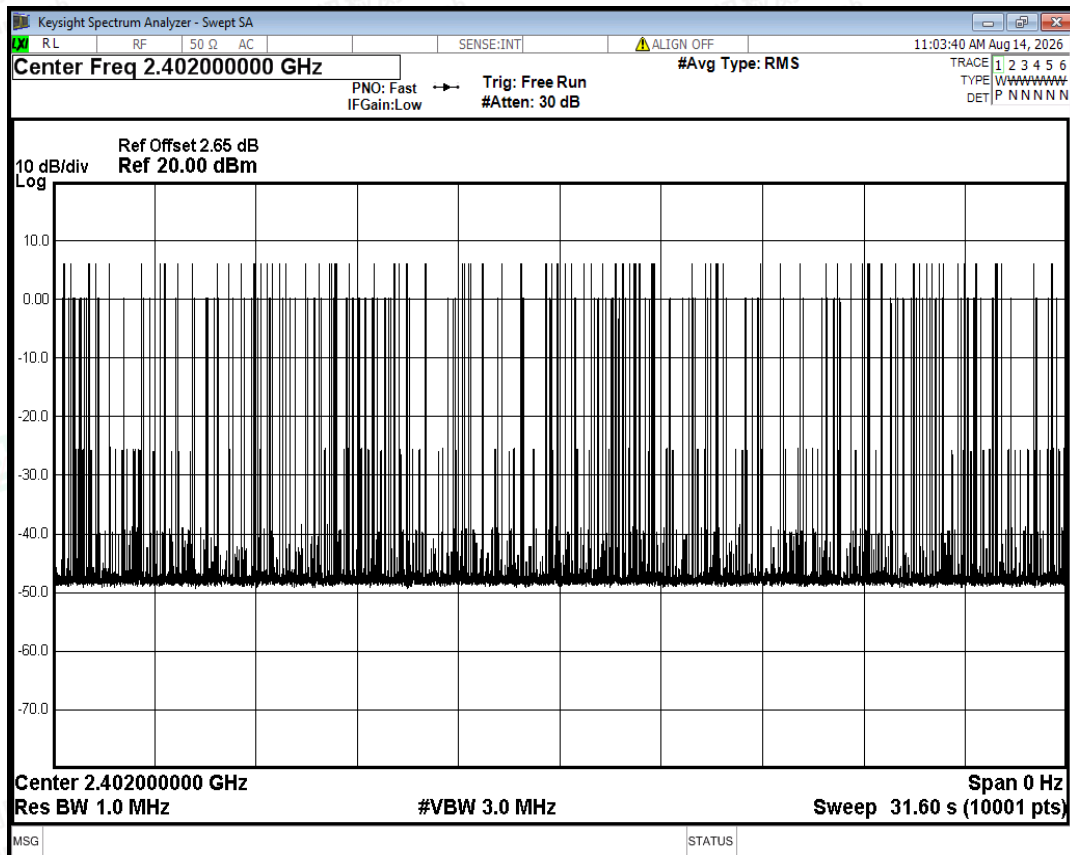
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



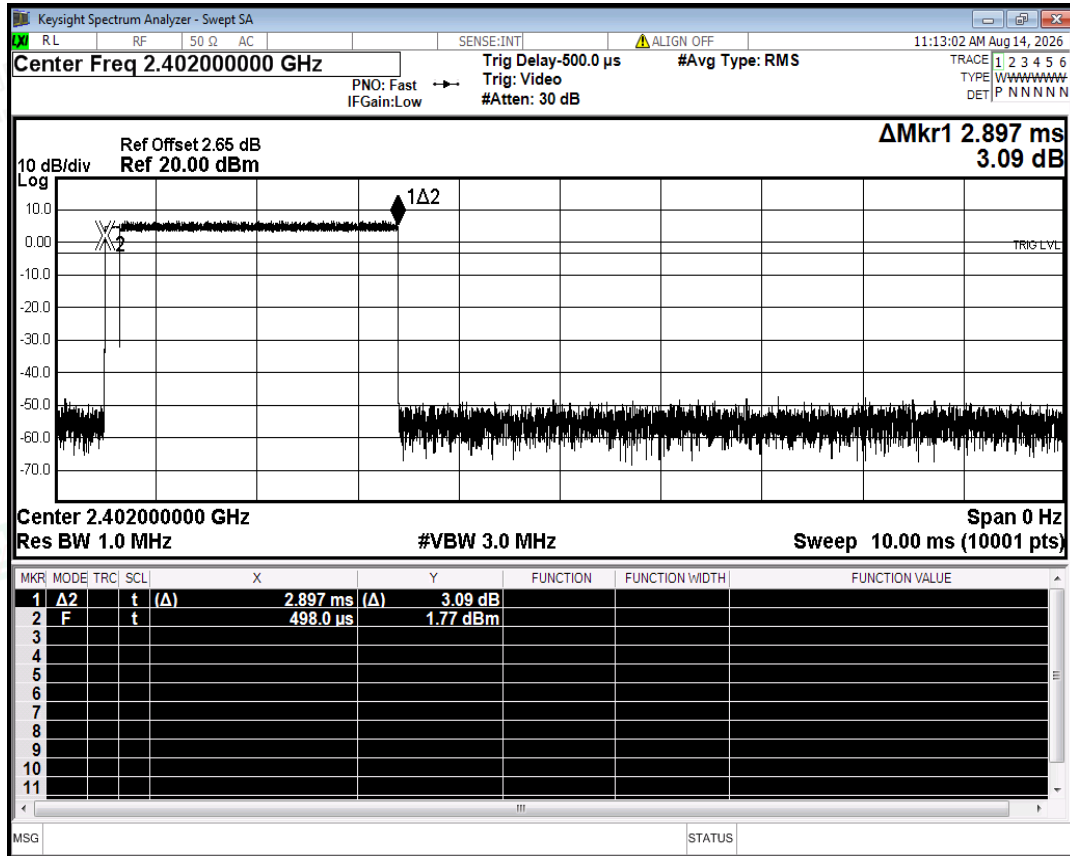
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



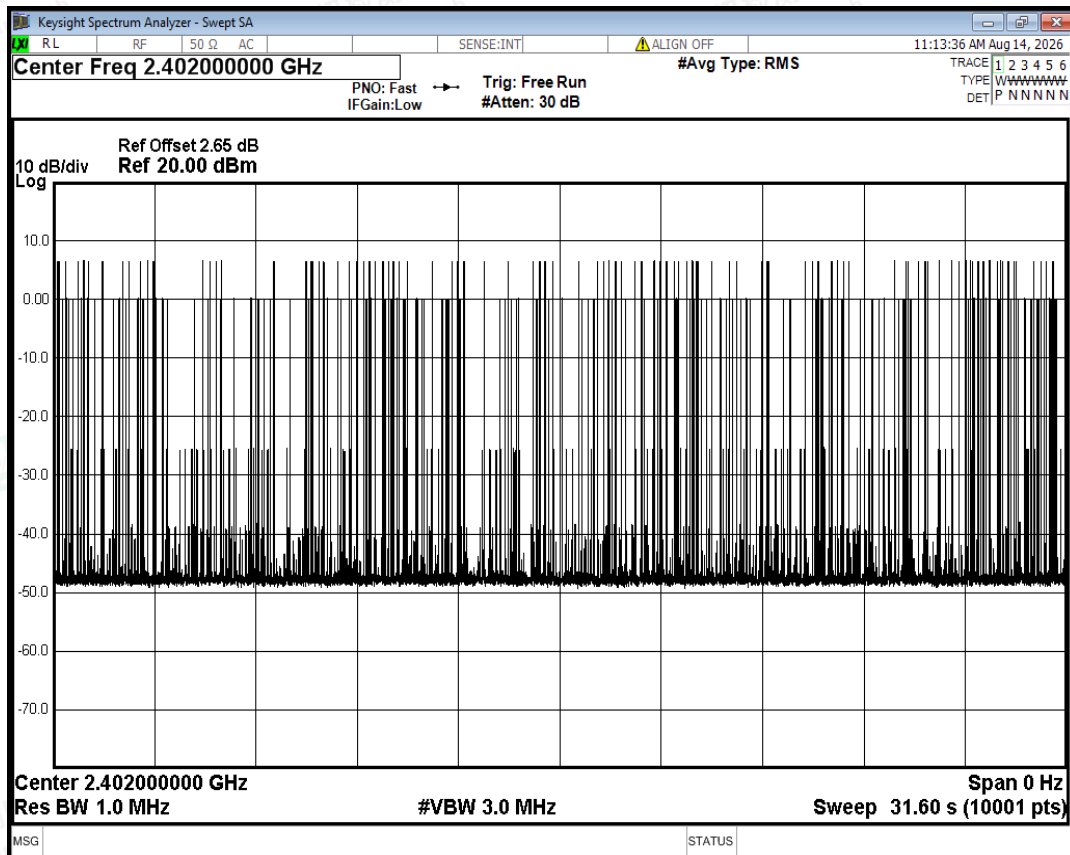
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



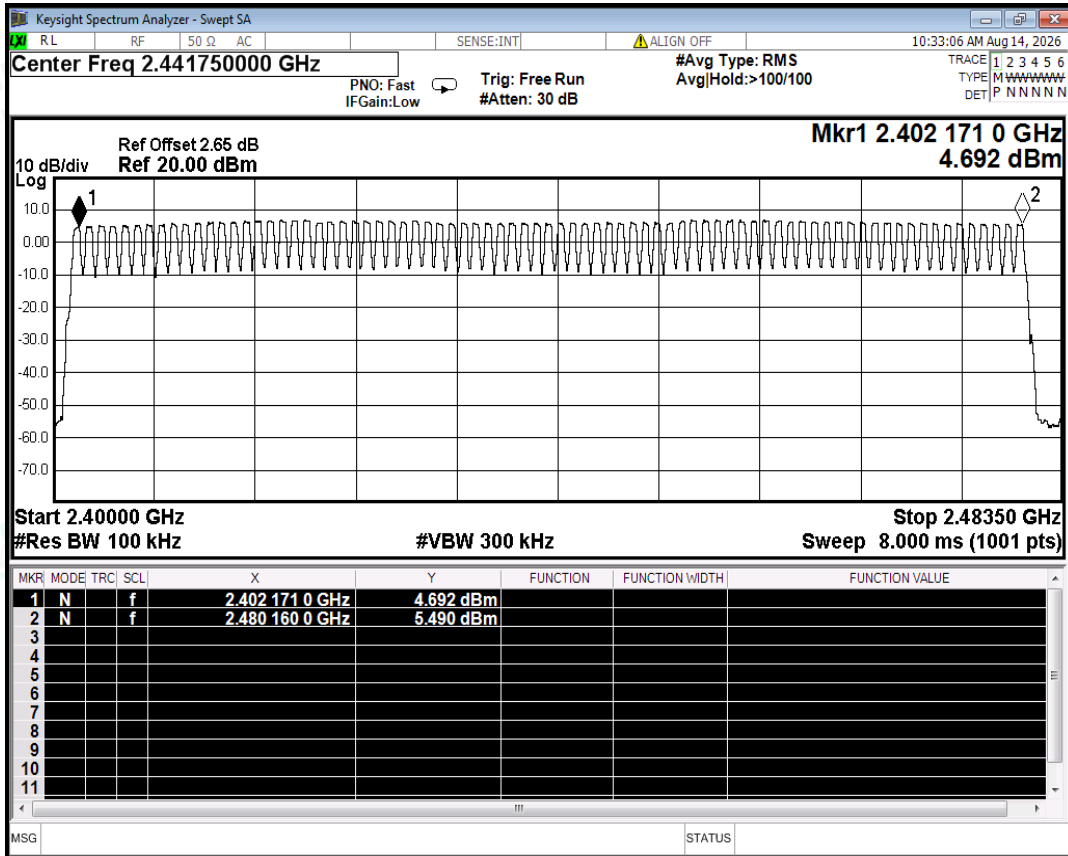
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



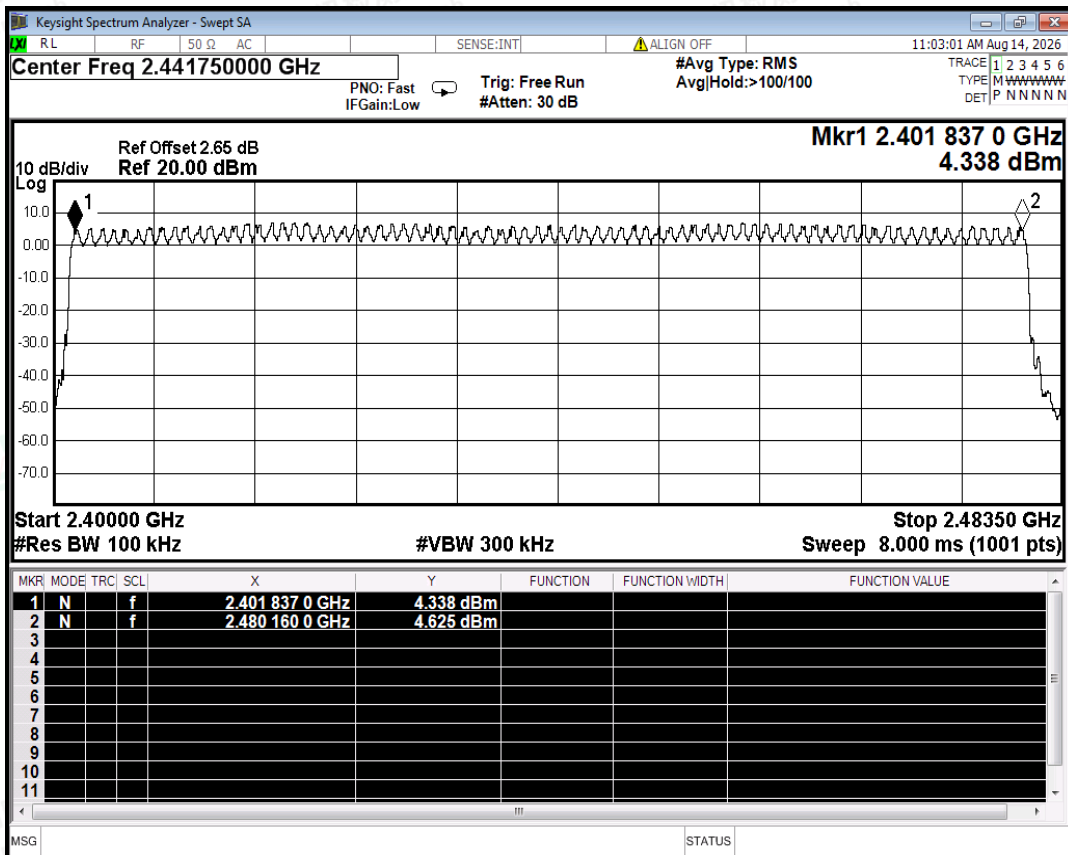
A.5 Number of Hopping Channel

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

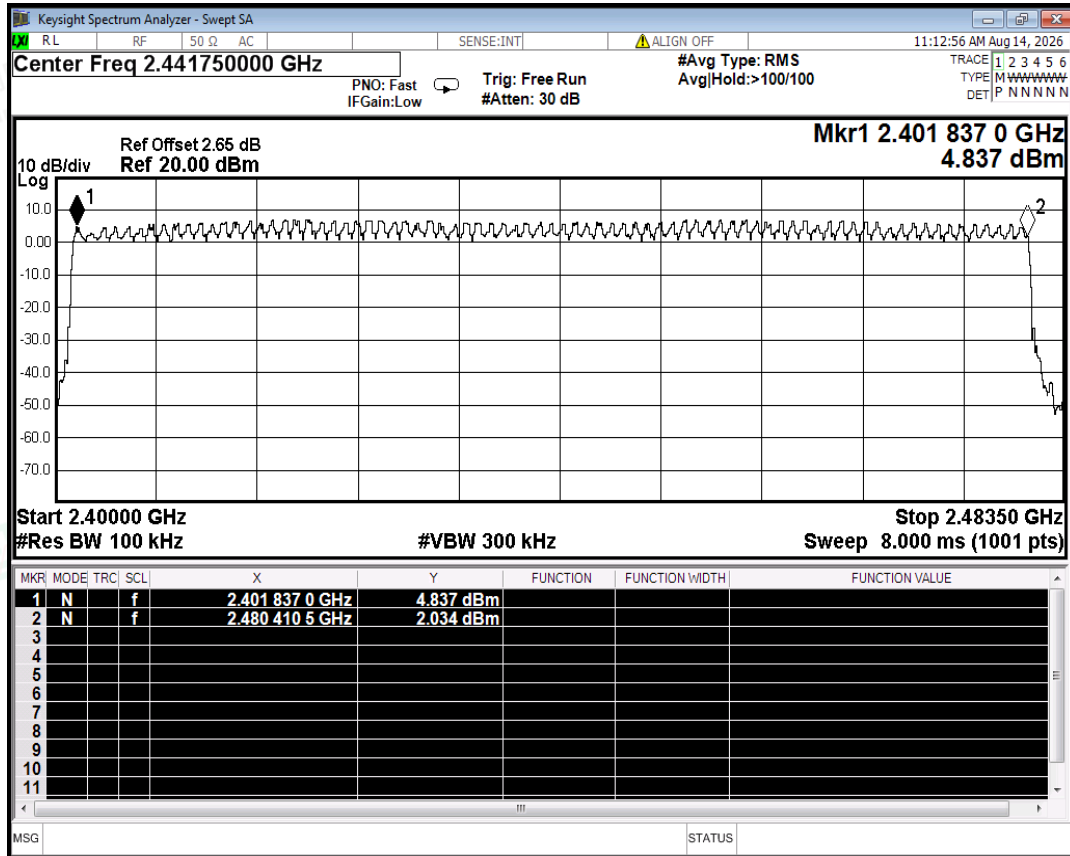




Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

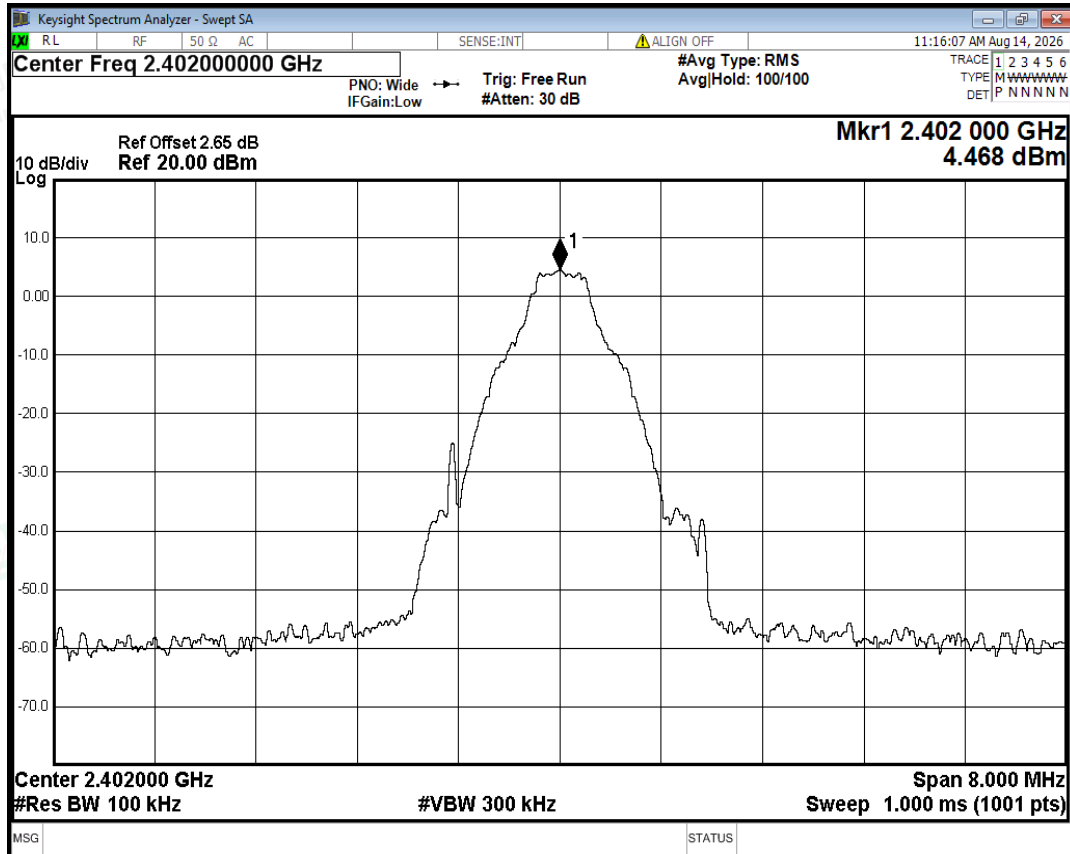


Hopping No. NVNT 3-DH5 2402MHz Ant1

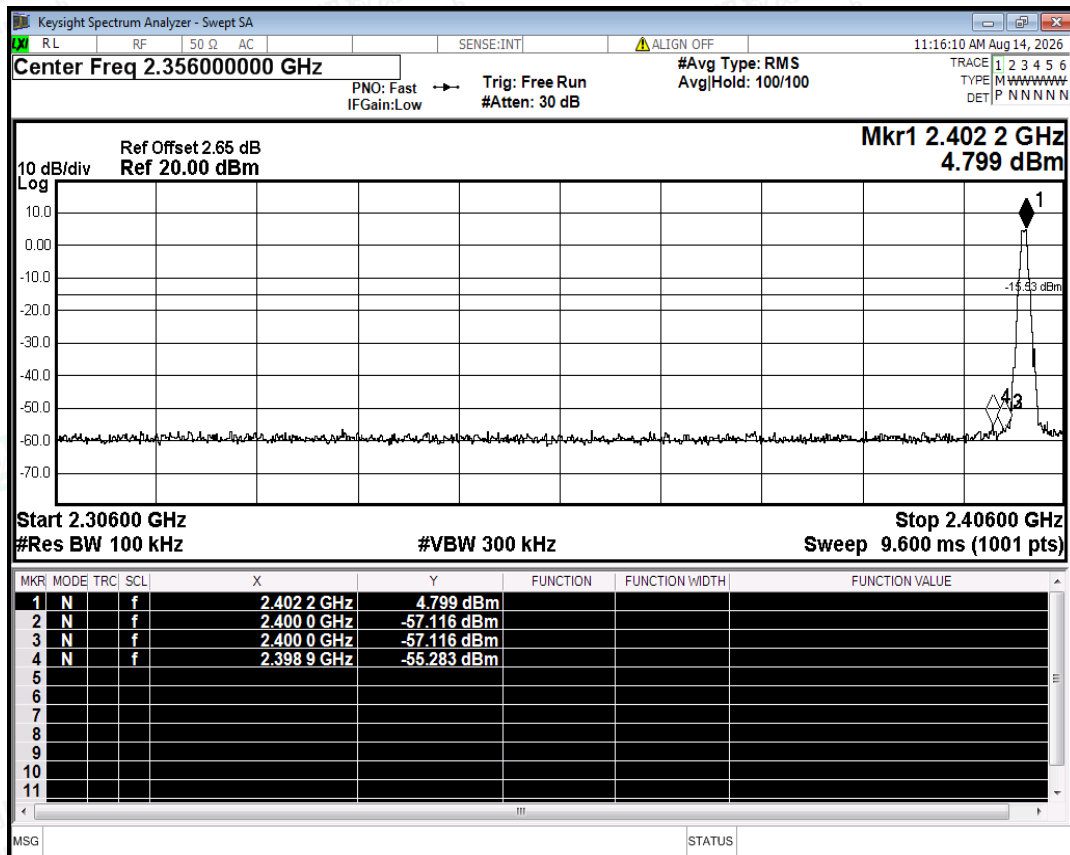


A.6 Band Edge

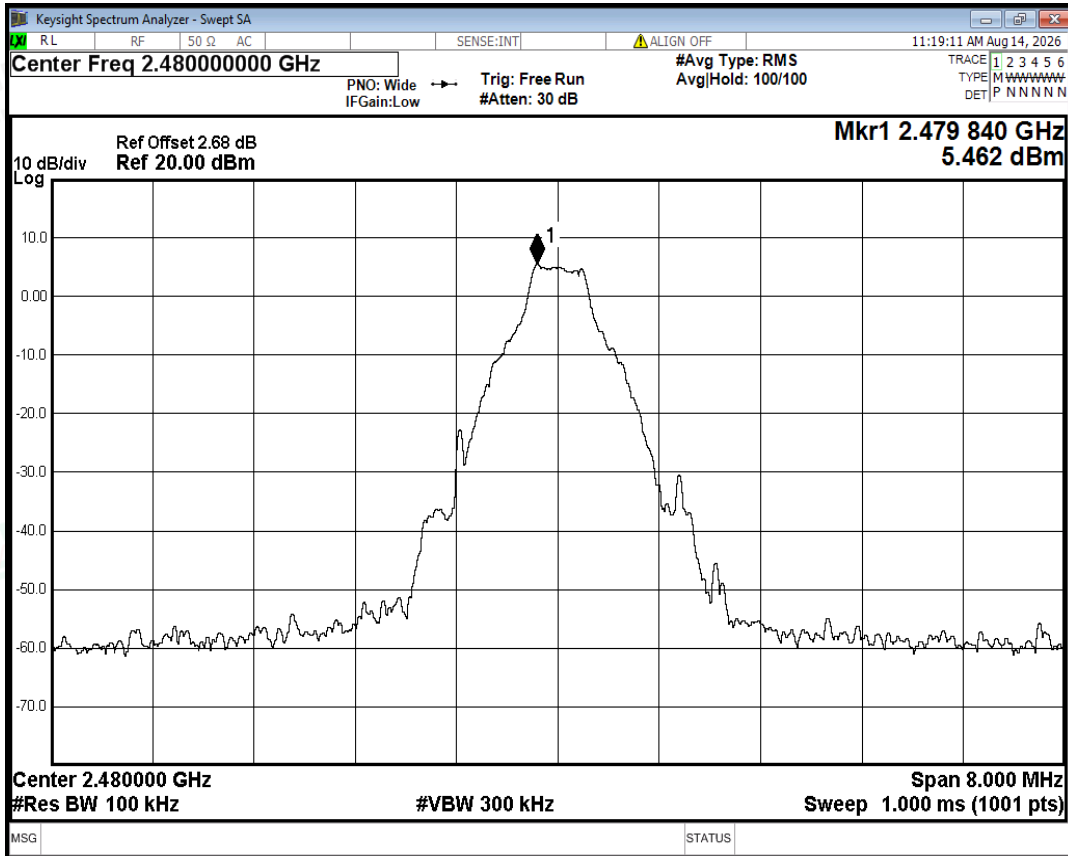
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-59.75	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-61.73	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.71	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.42	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.08	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.19	-20	Pass



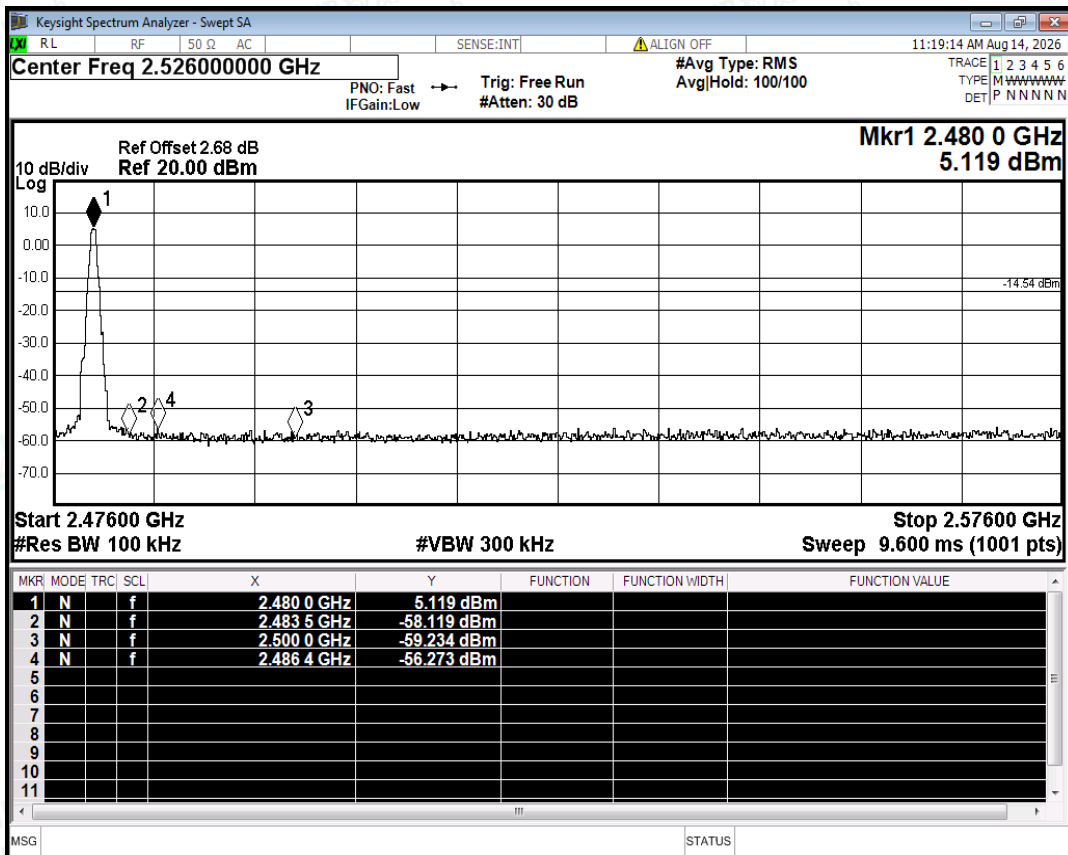
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



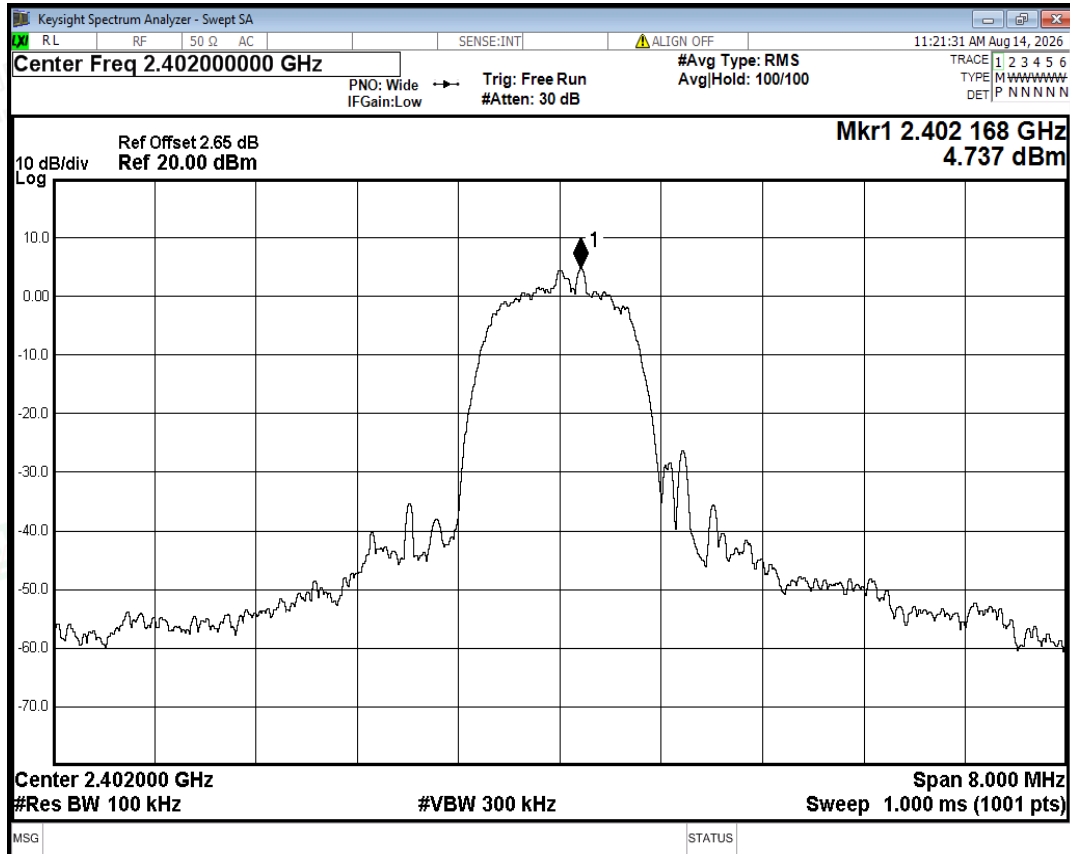
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



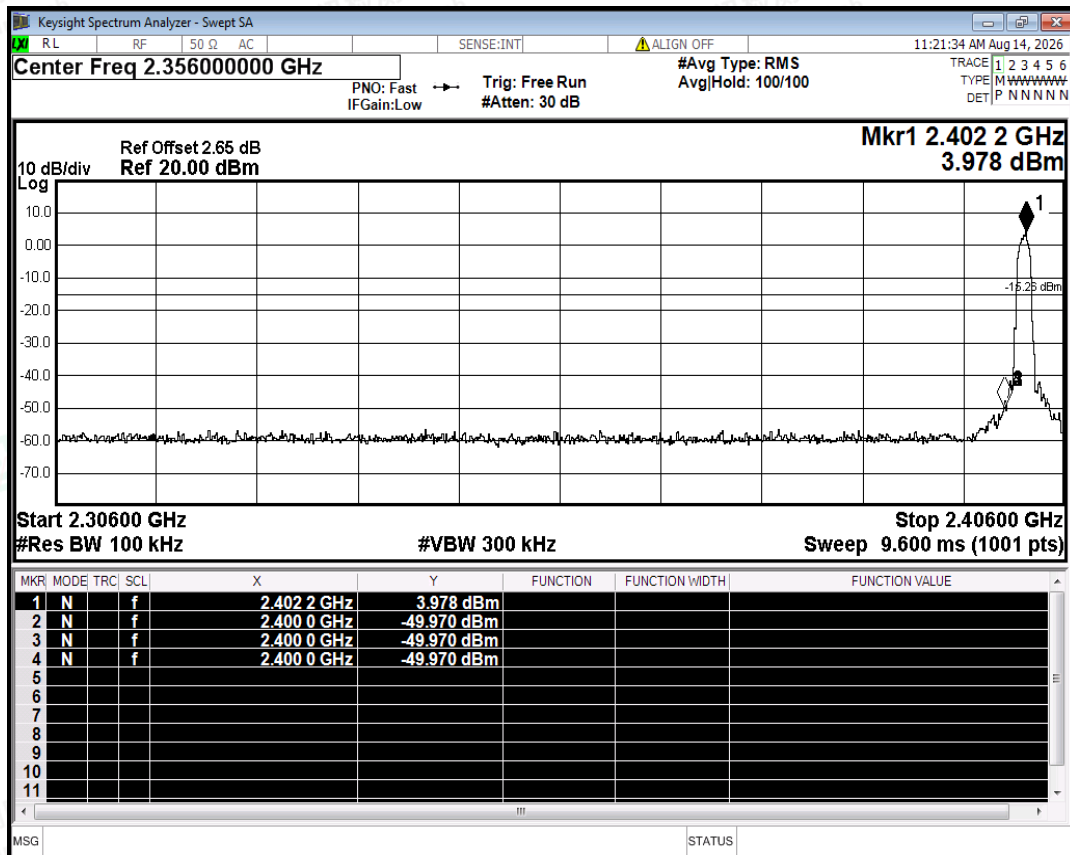
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



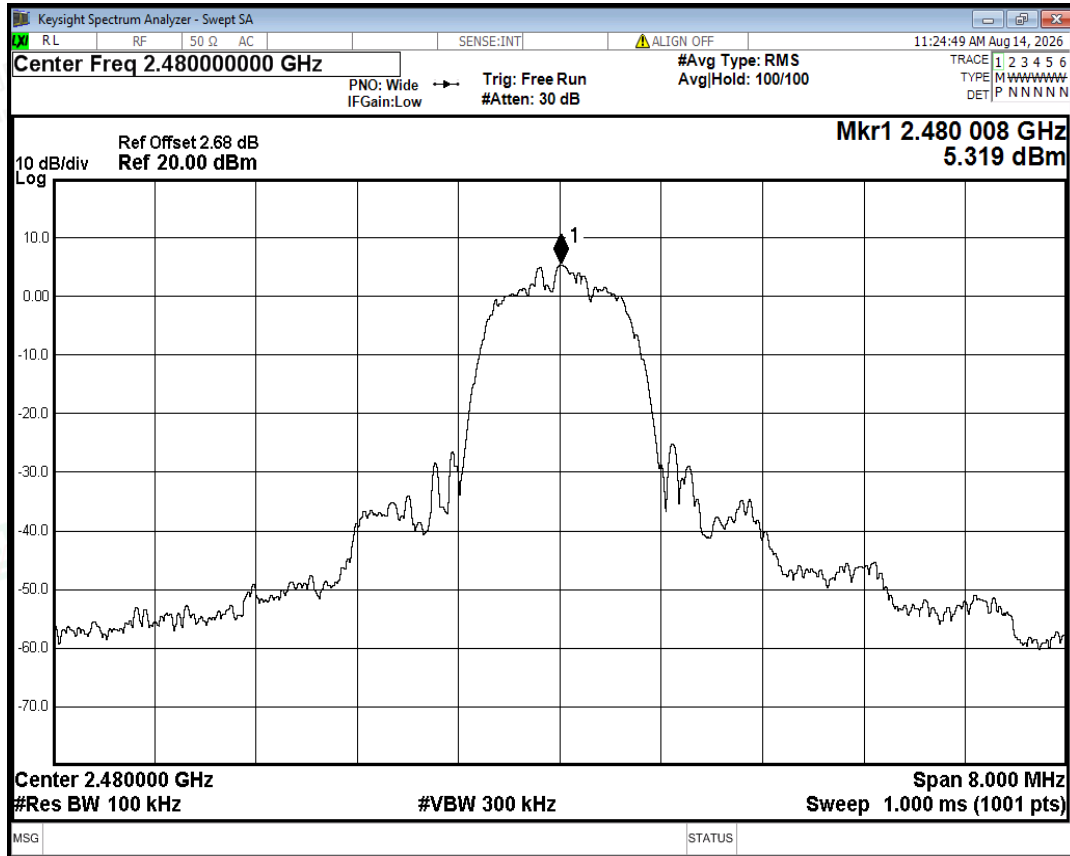
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



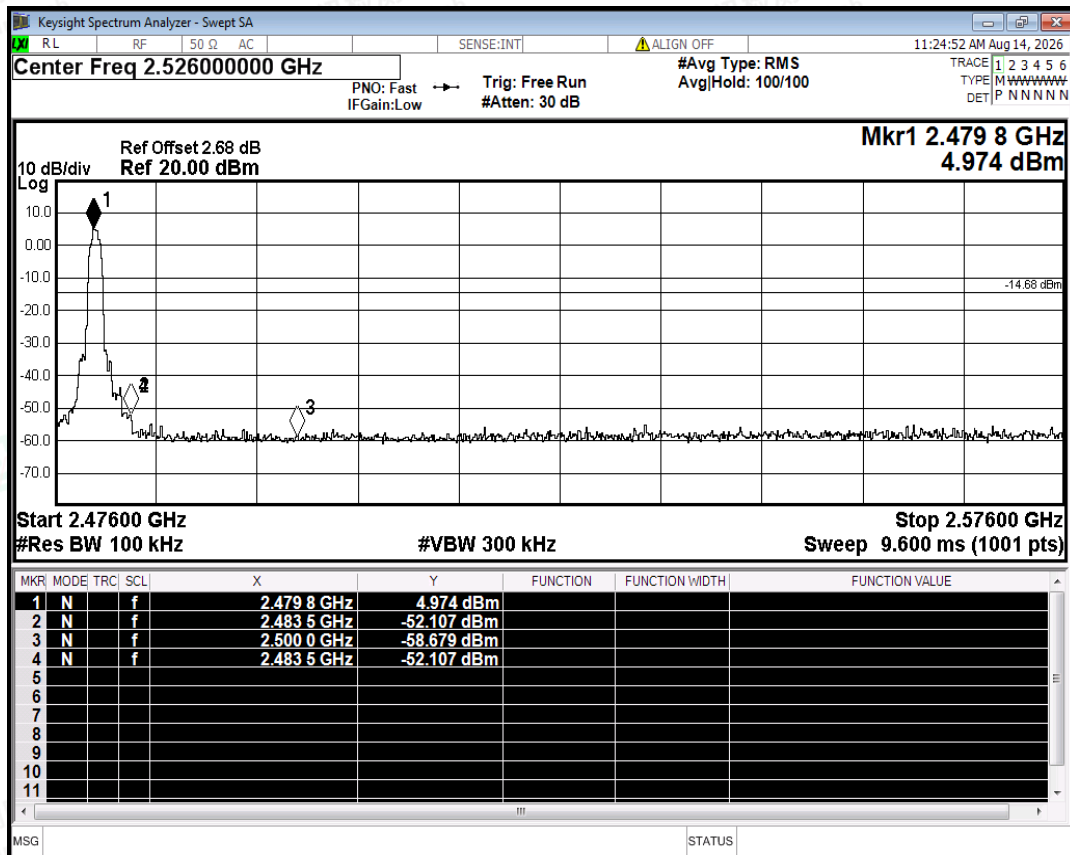
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



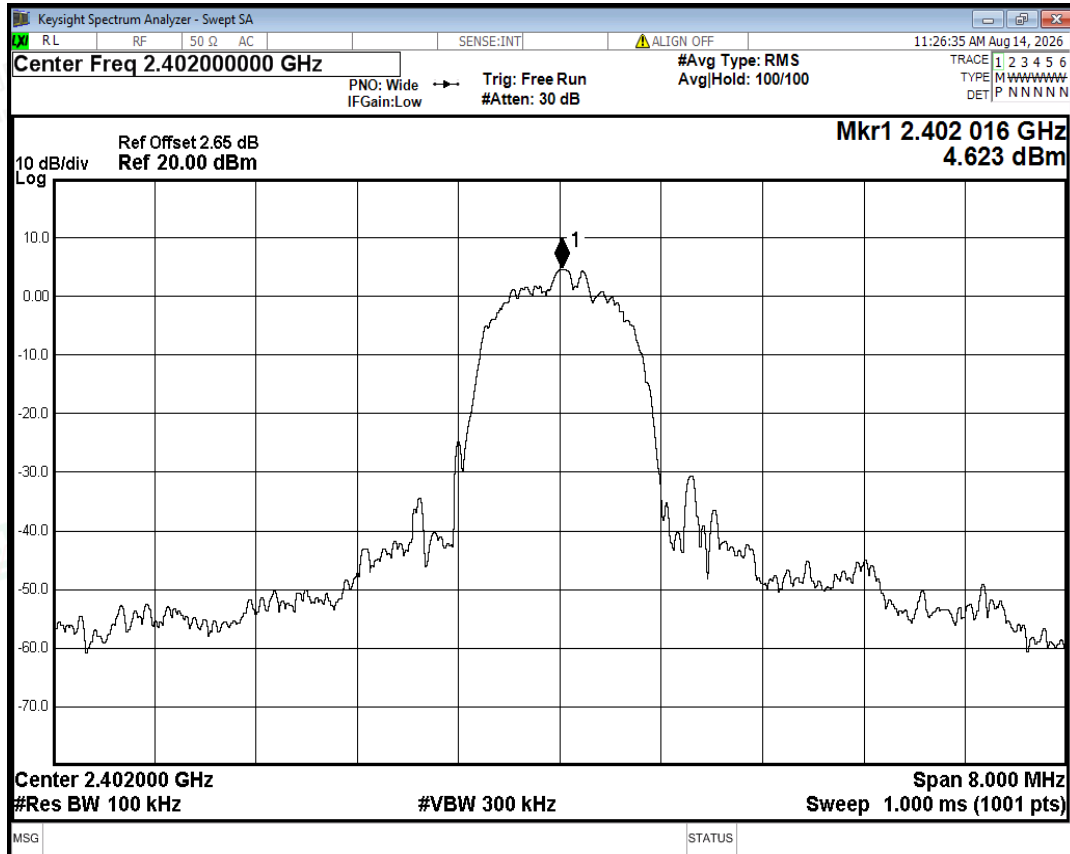
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



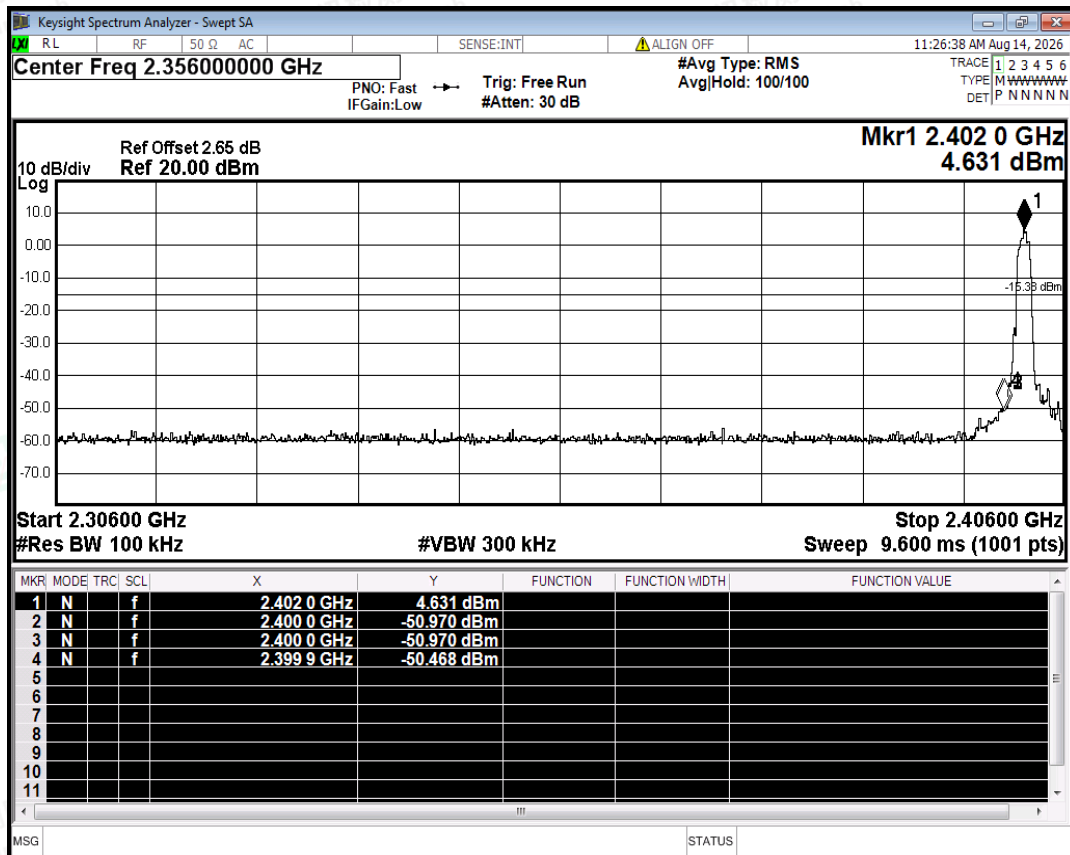
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



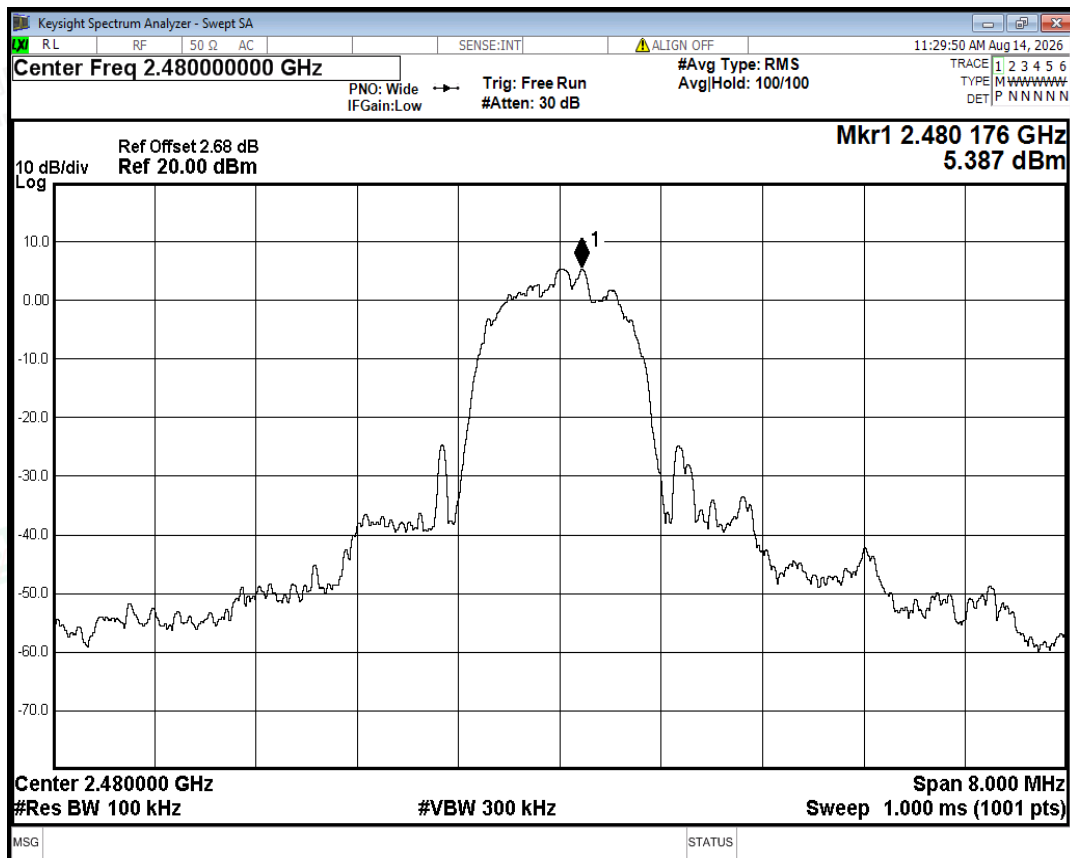
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



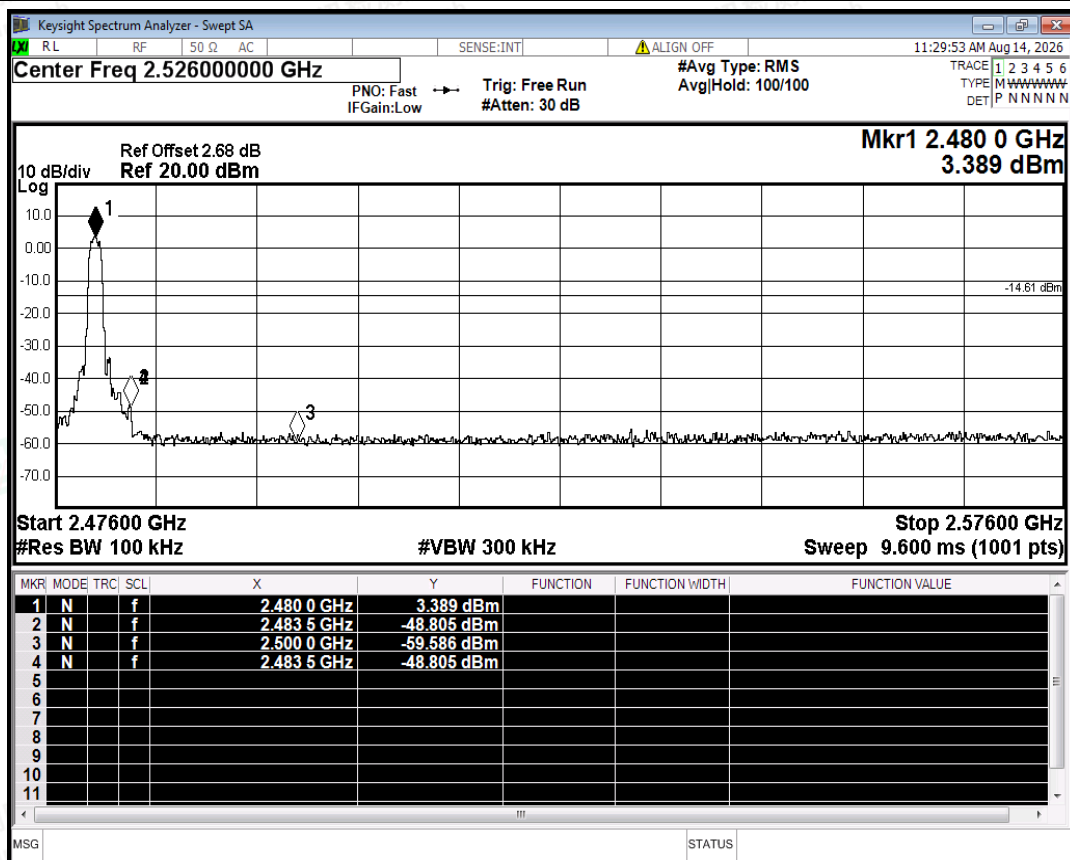
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



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

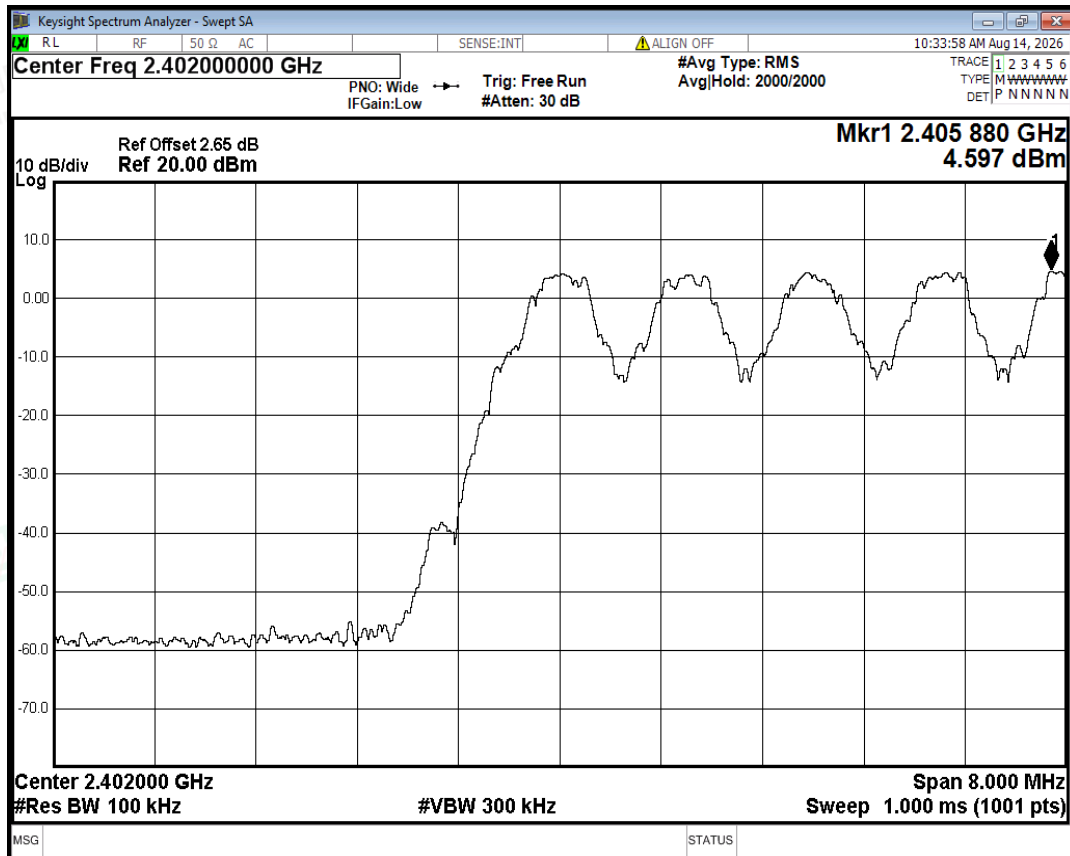


Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

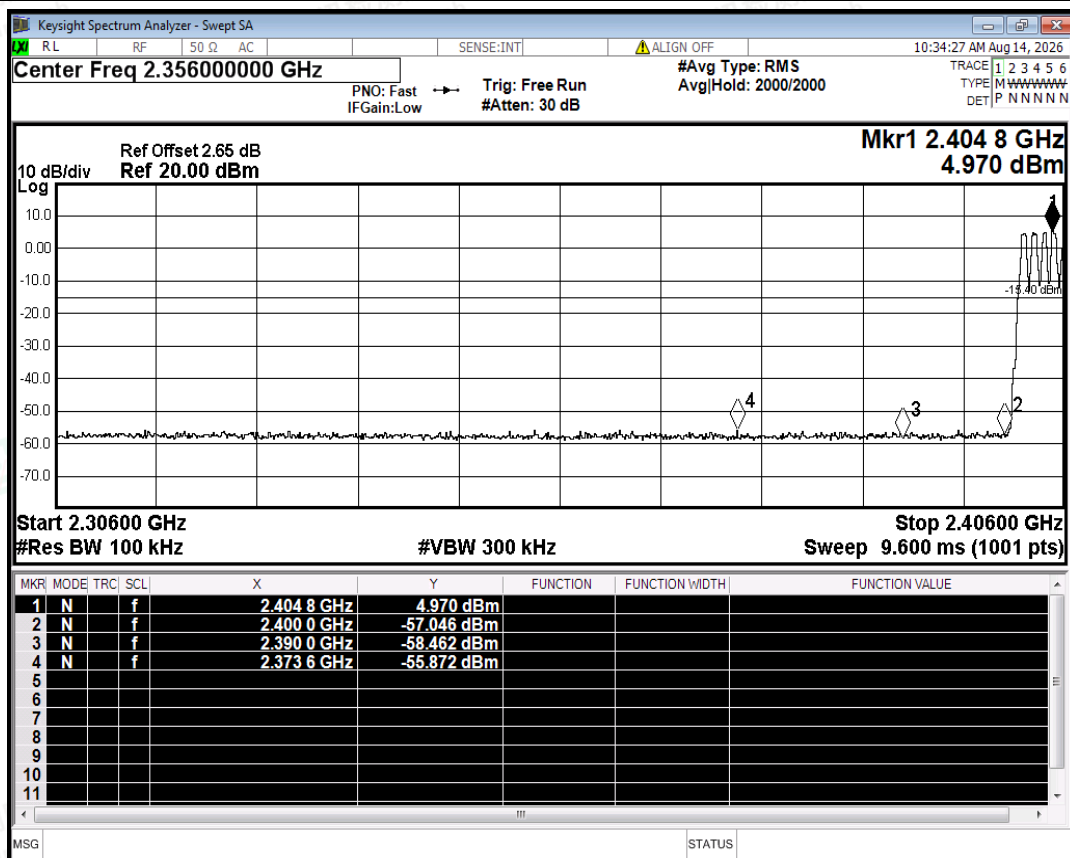


(Hopping)

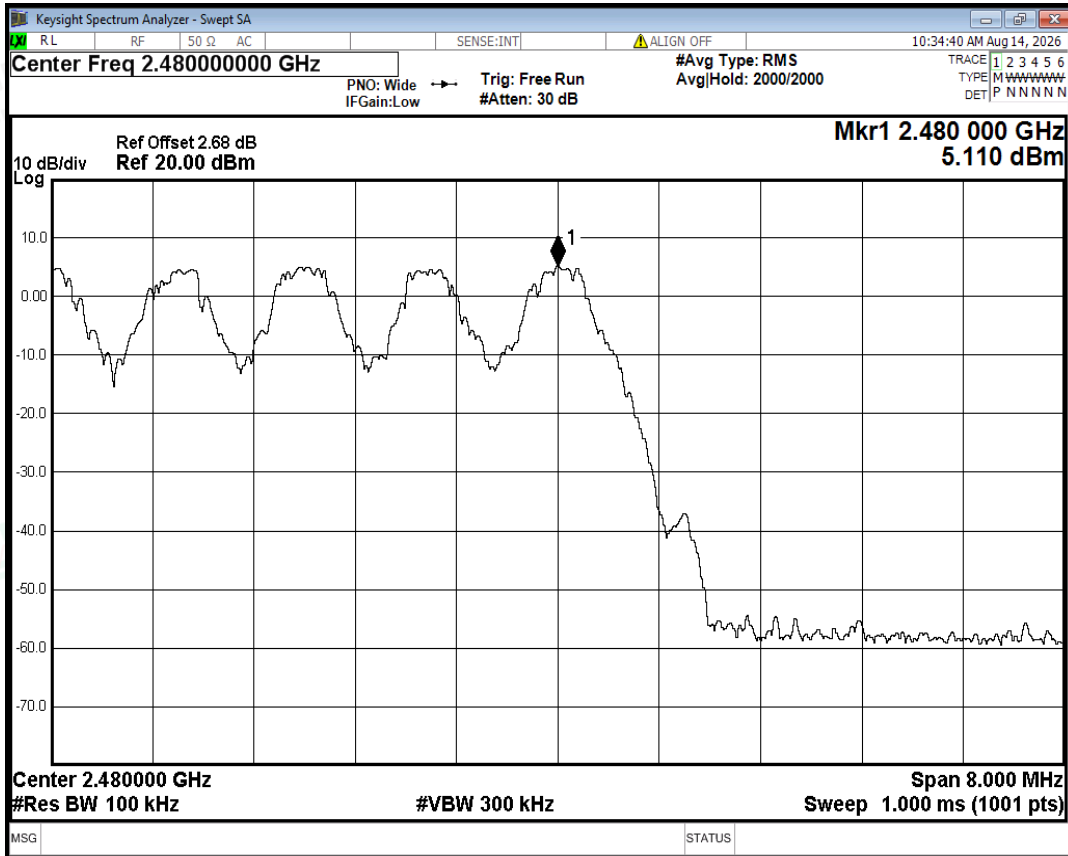
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-60.47	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-61.04	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-59.54	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.91	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-59.93	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.13	-20	Pass



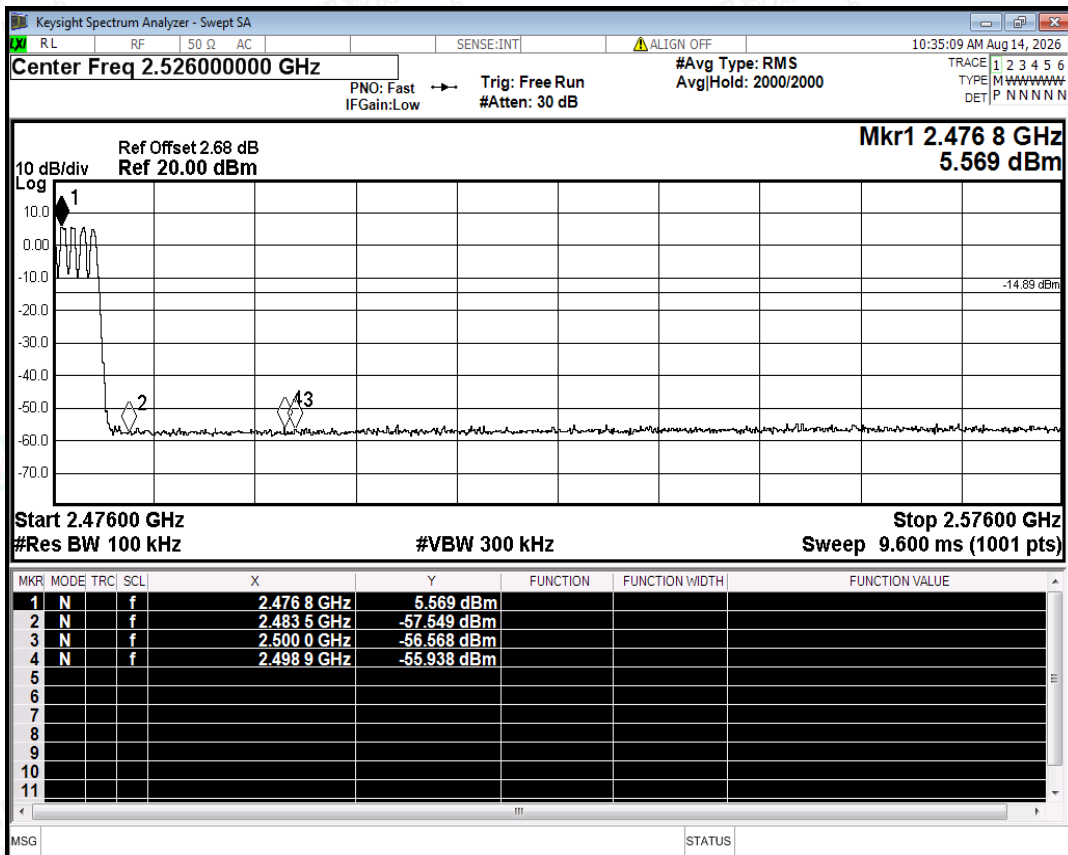
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



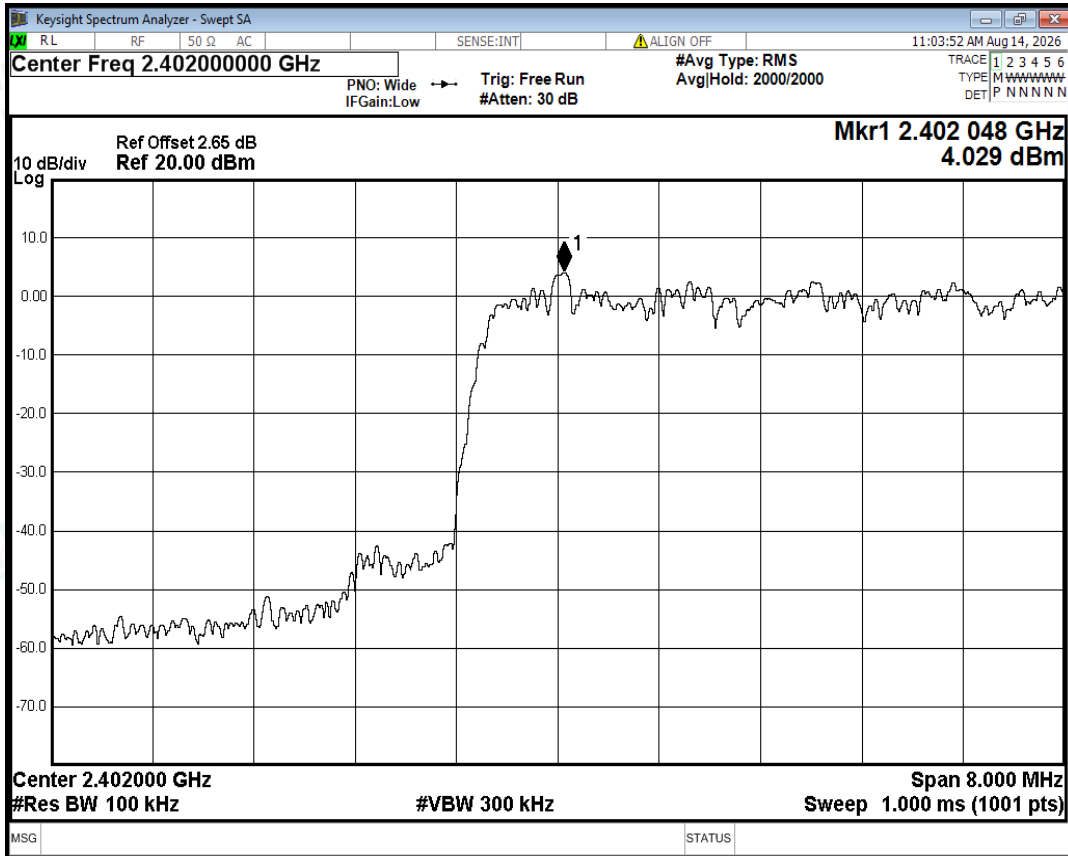
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



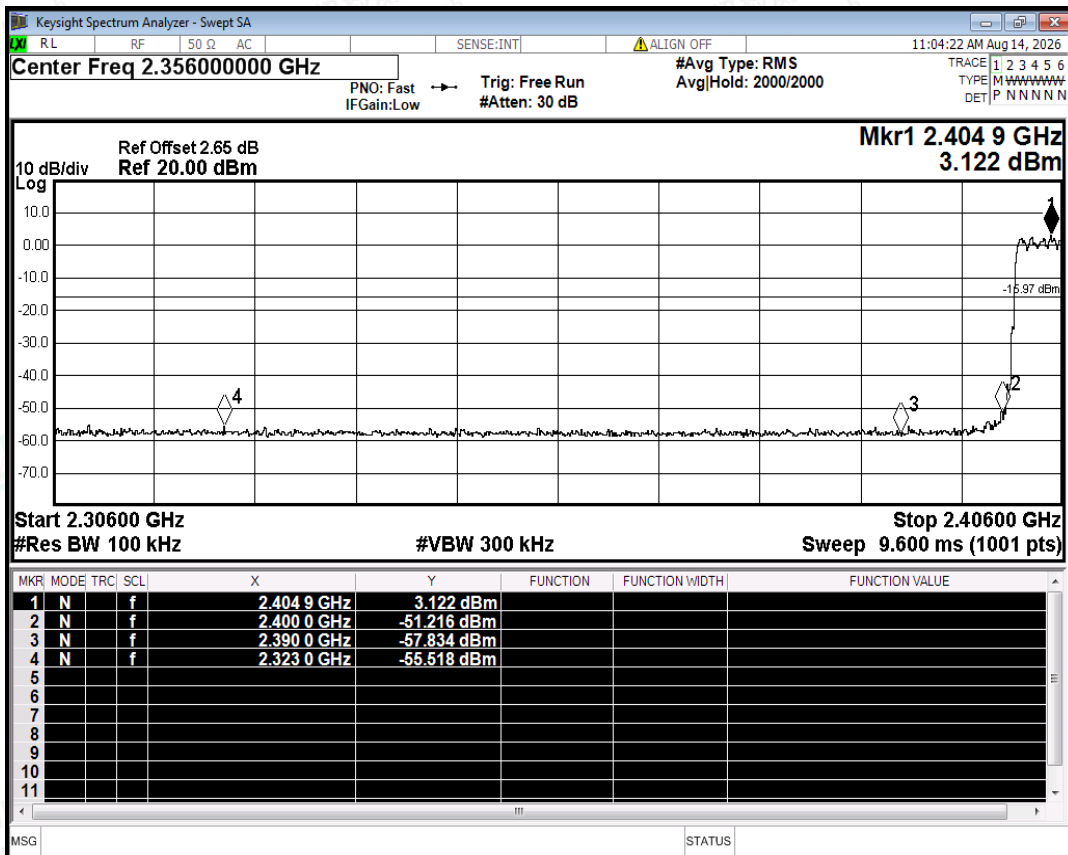
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



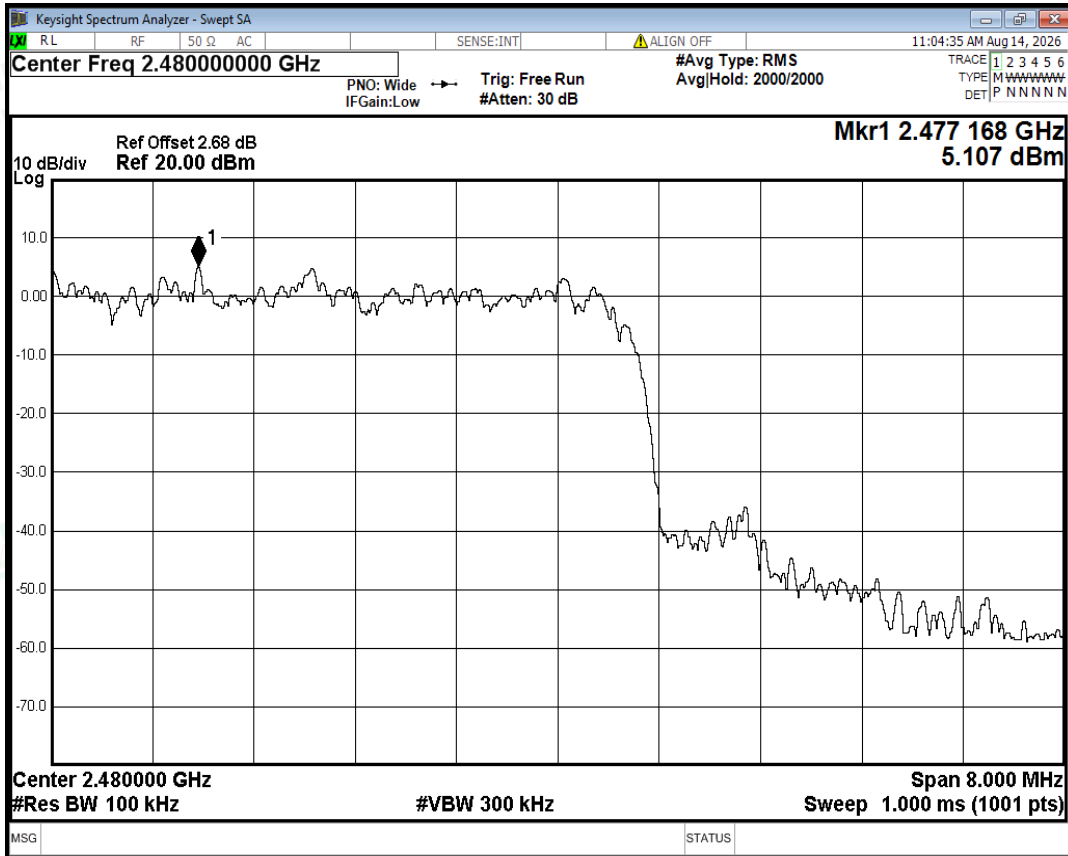
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



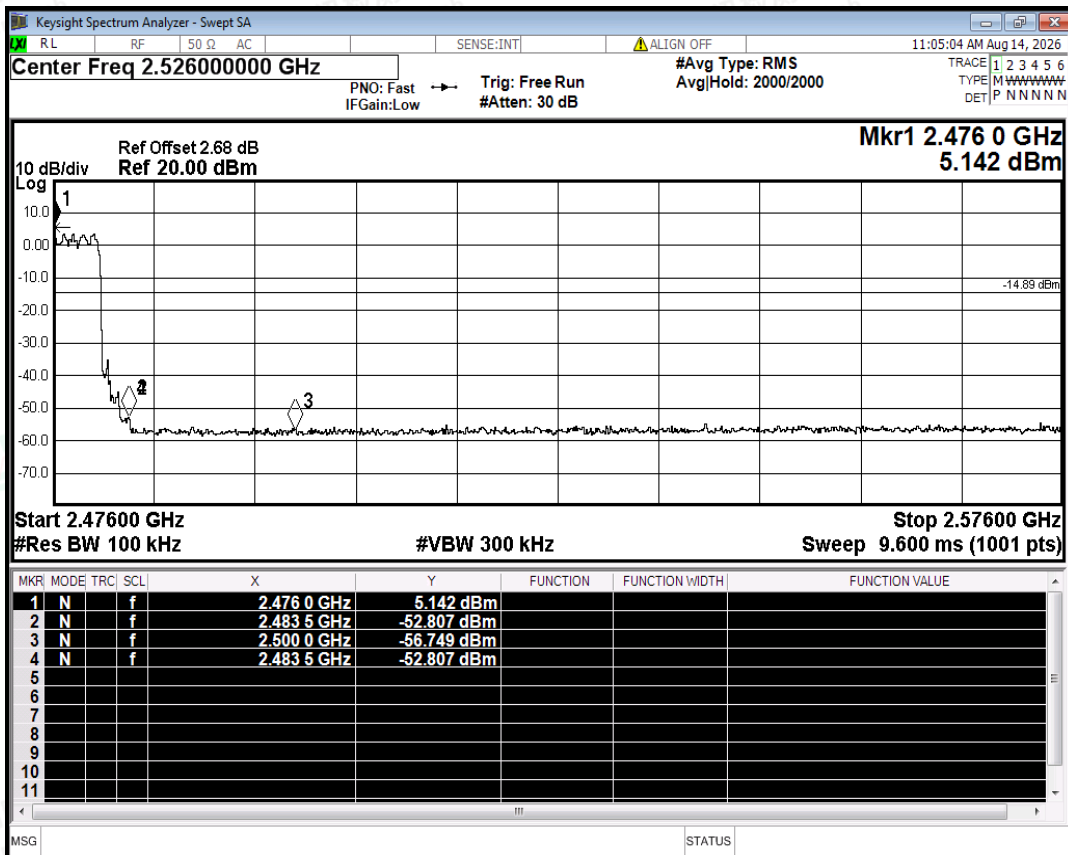
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



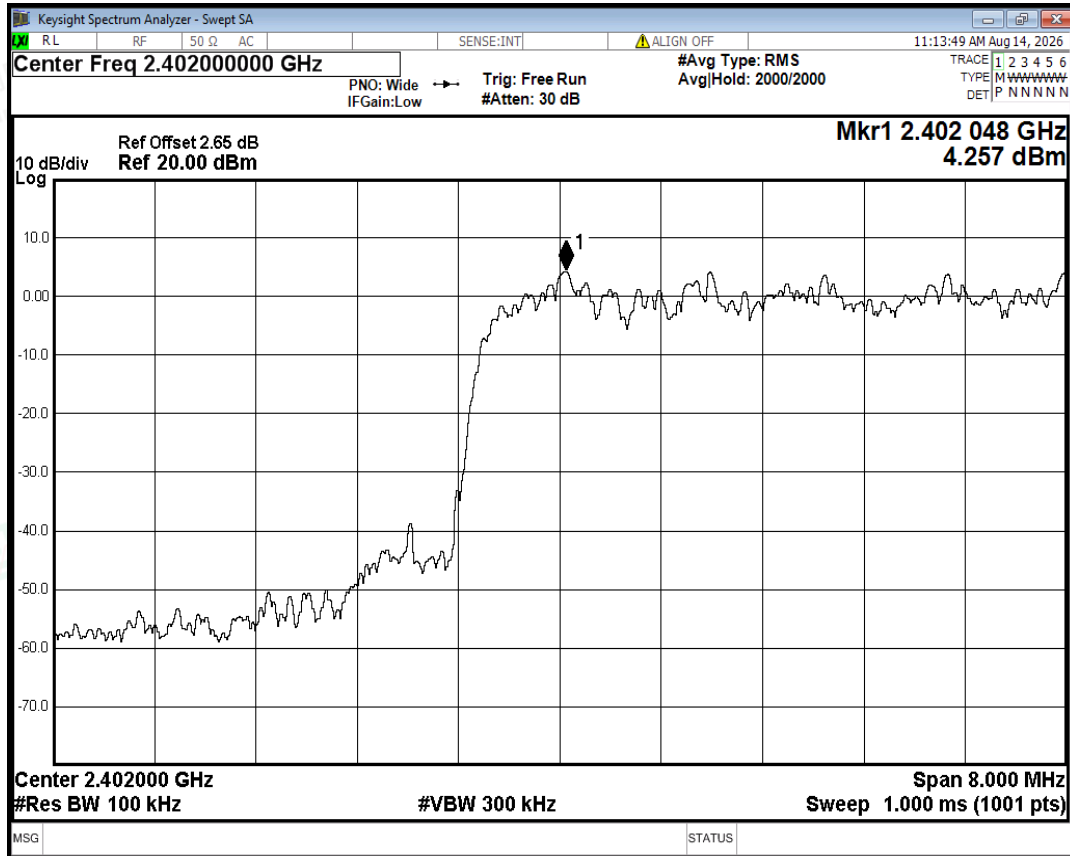
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



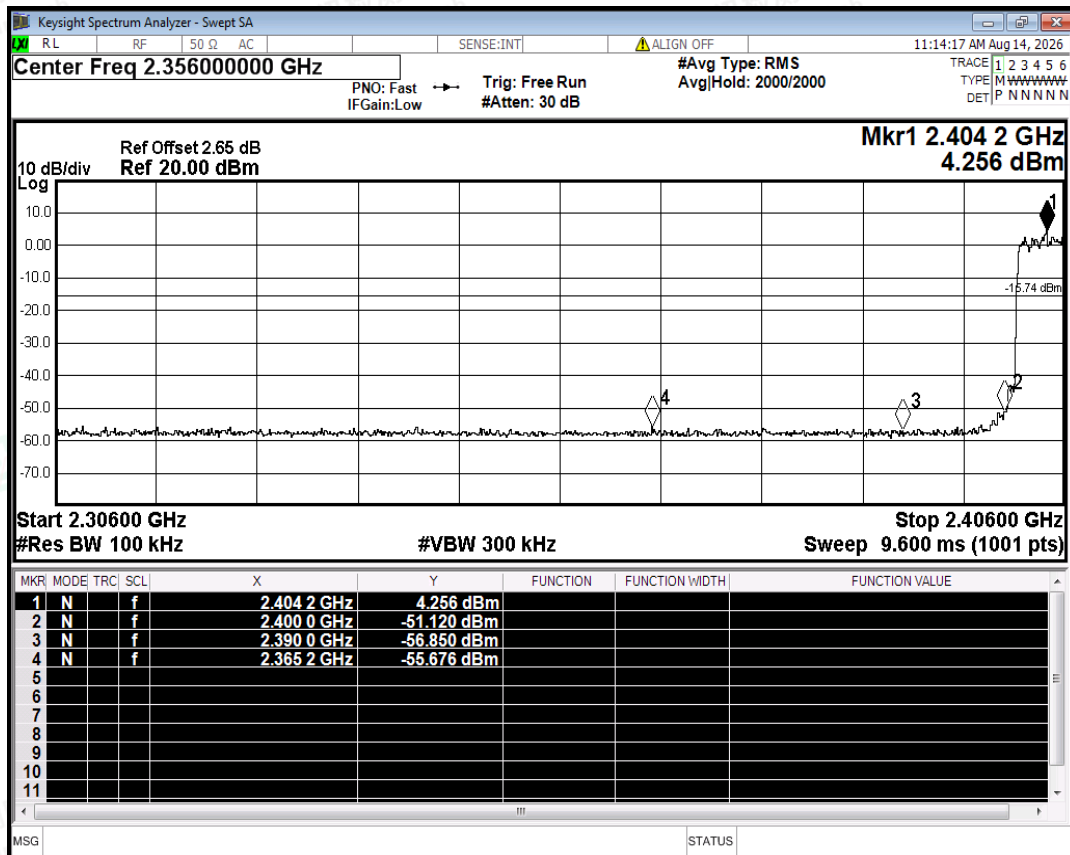
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



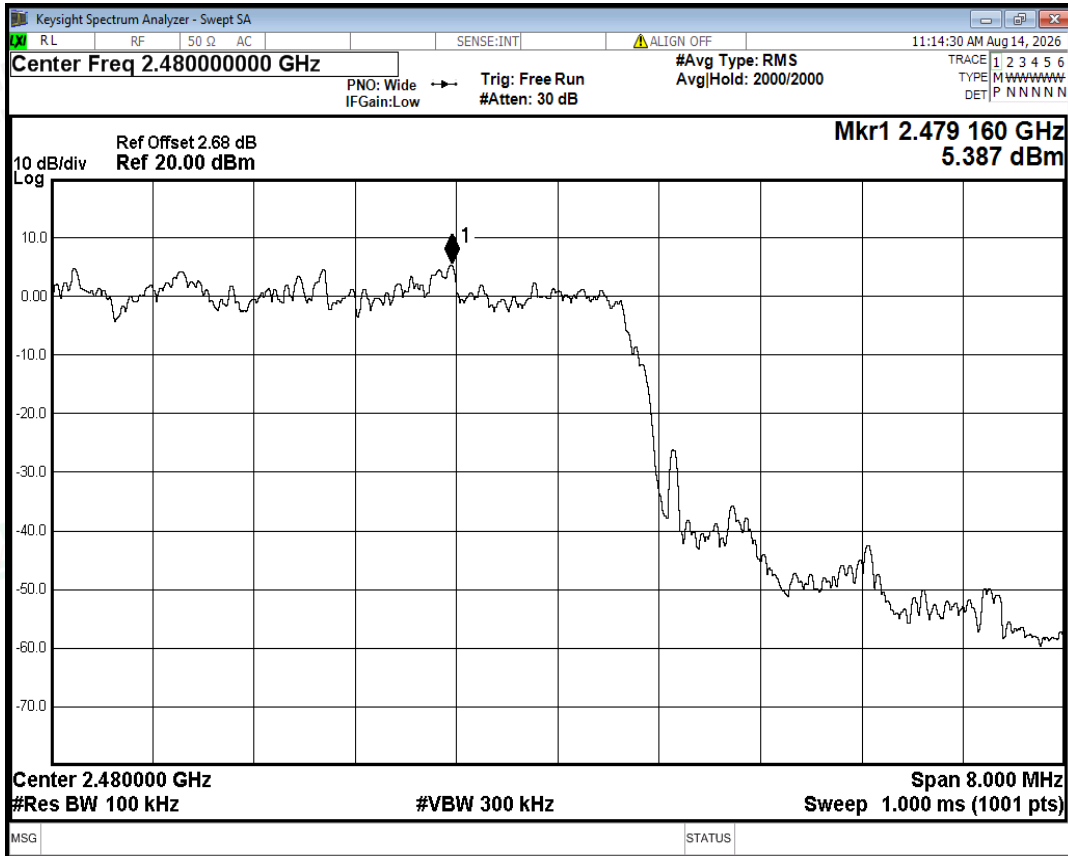
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



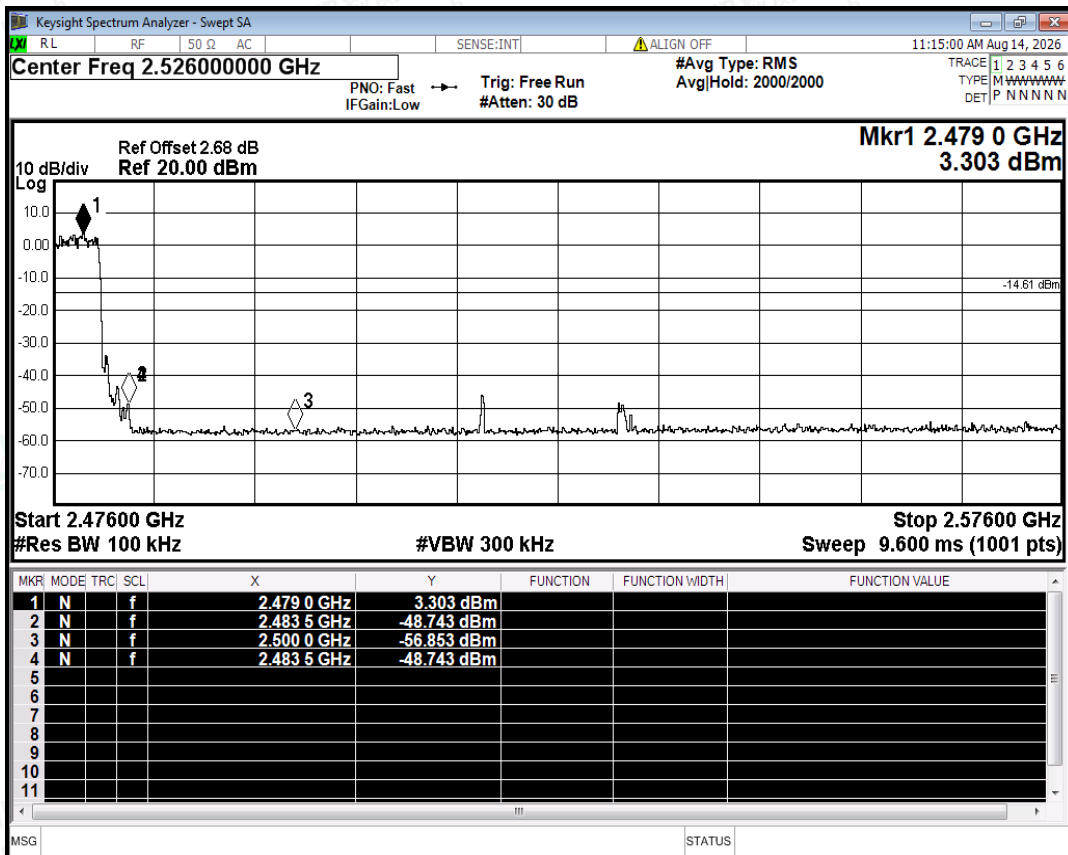
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



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

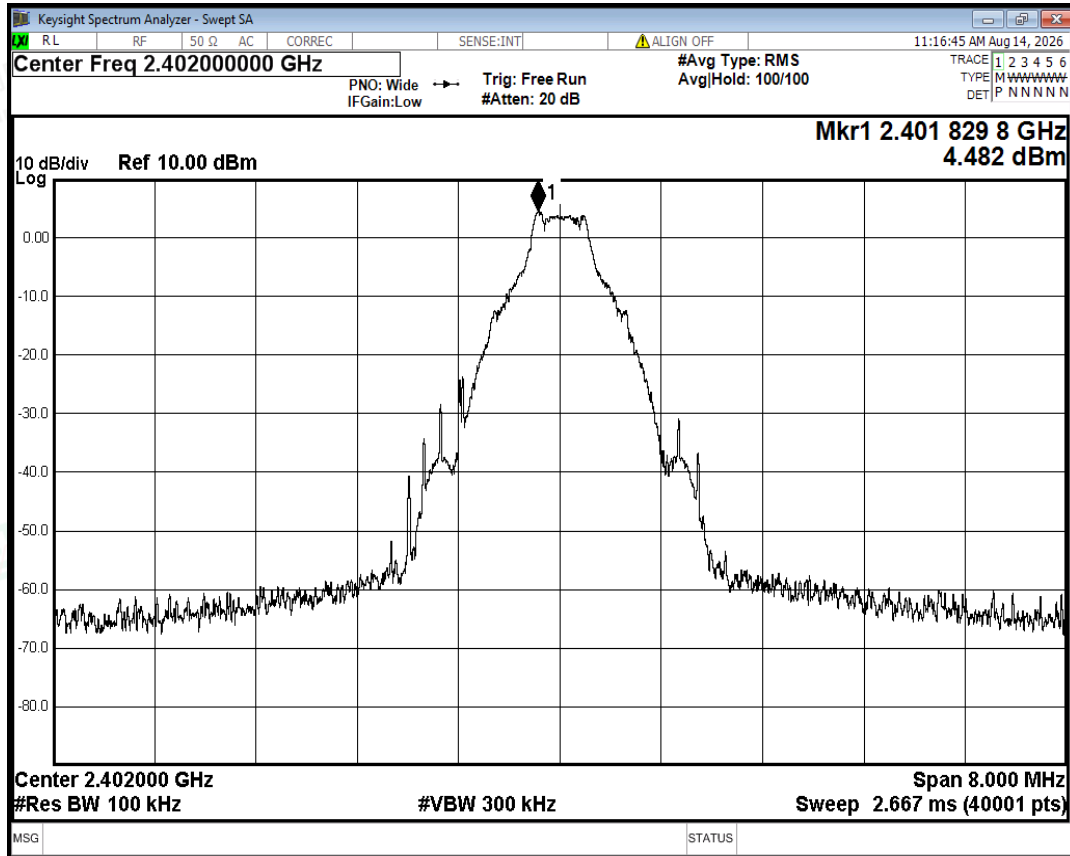


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

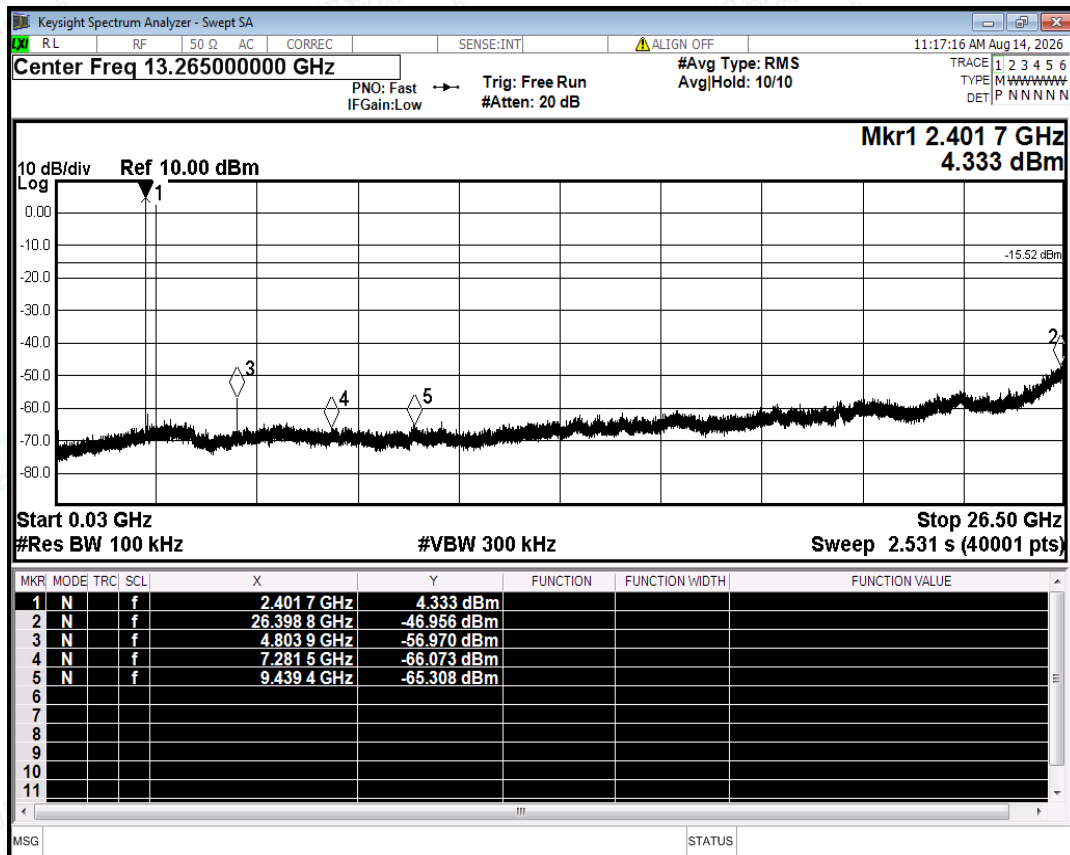


A.7 Conducted RF Spurious Emission

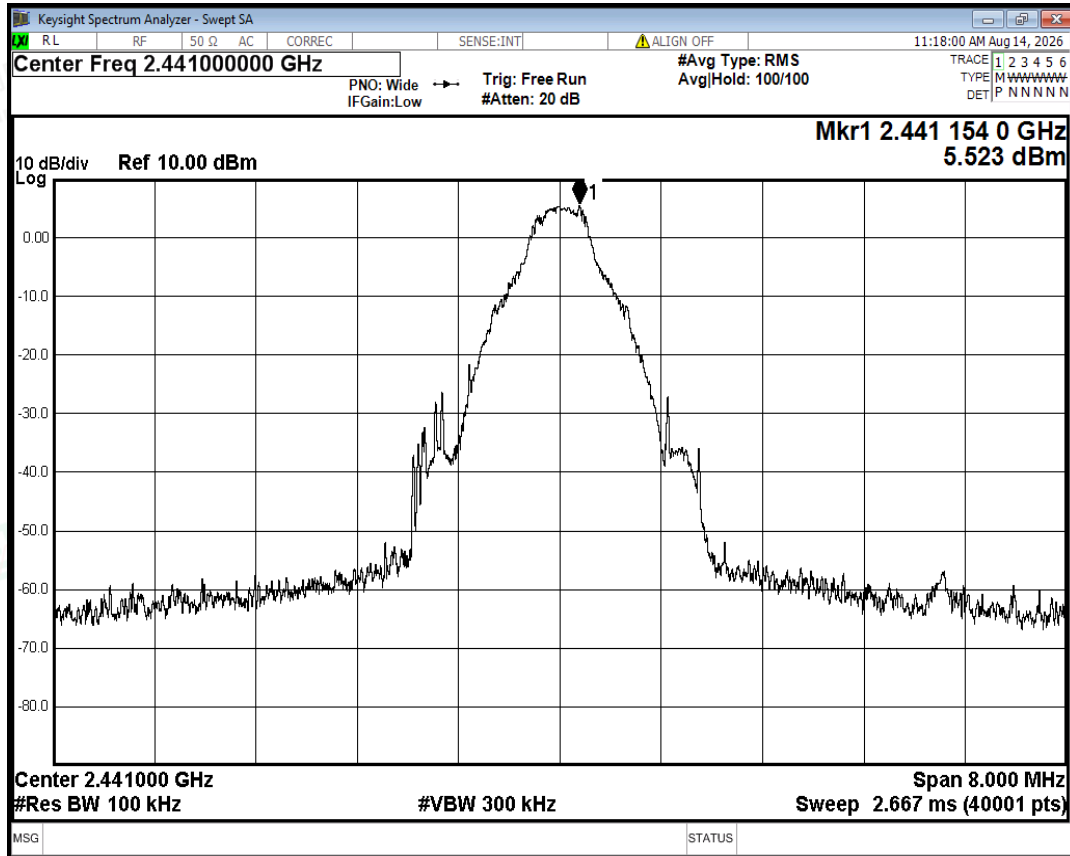
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-51.43	-20	Pass
NVNT	1-DH5	2441	Ant1	-52.46	-20	Pass
NVNT	1-DH5	2480	Ant1	-52.22	-20	Pass
NVNT	2-DH5	2402	Ant1	-49.74	-20	Pass
NVNT	2-DH5	2441	Ant1	-51.94	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.79	-20	Pass
NVNT	3-DH5	2402	Ant1	-52	-20	Pass
NVNT	3-DH5	2441	Ant1	-52.3	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.82	-20	Pass



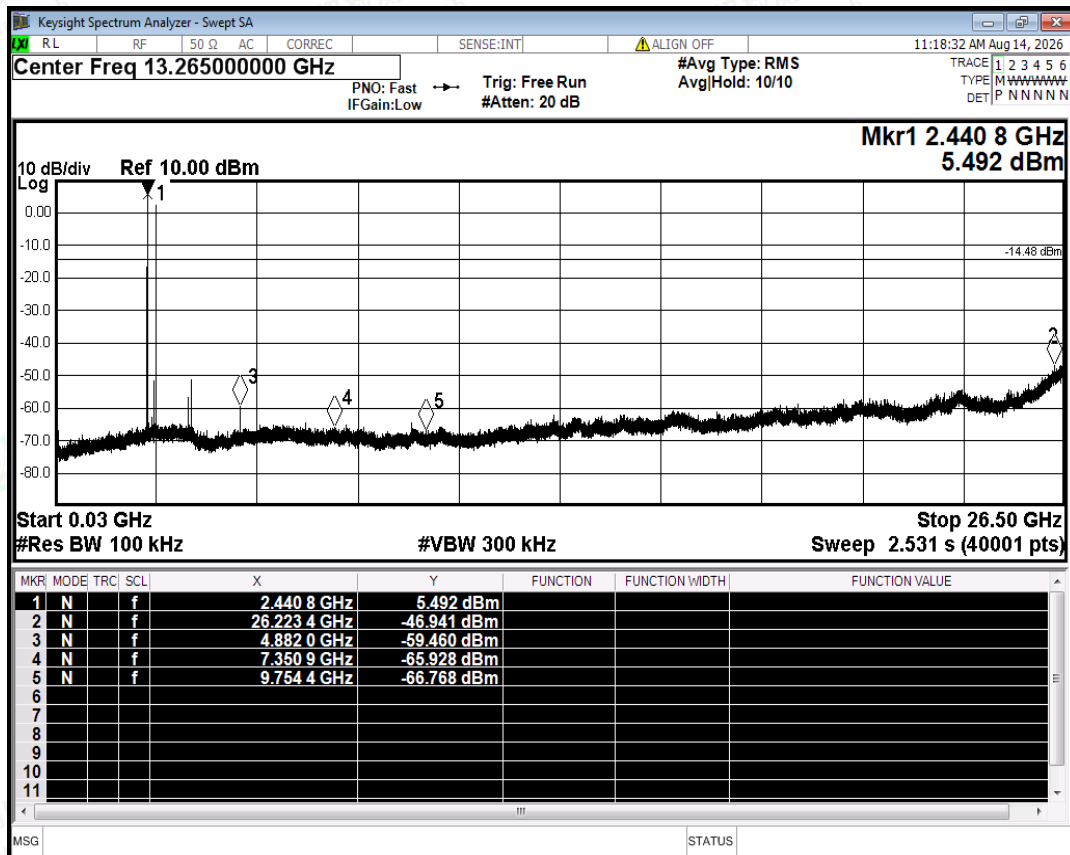
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



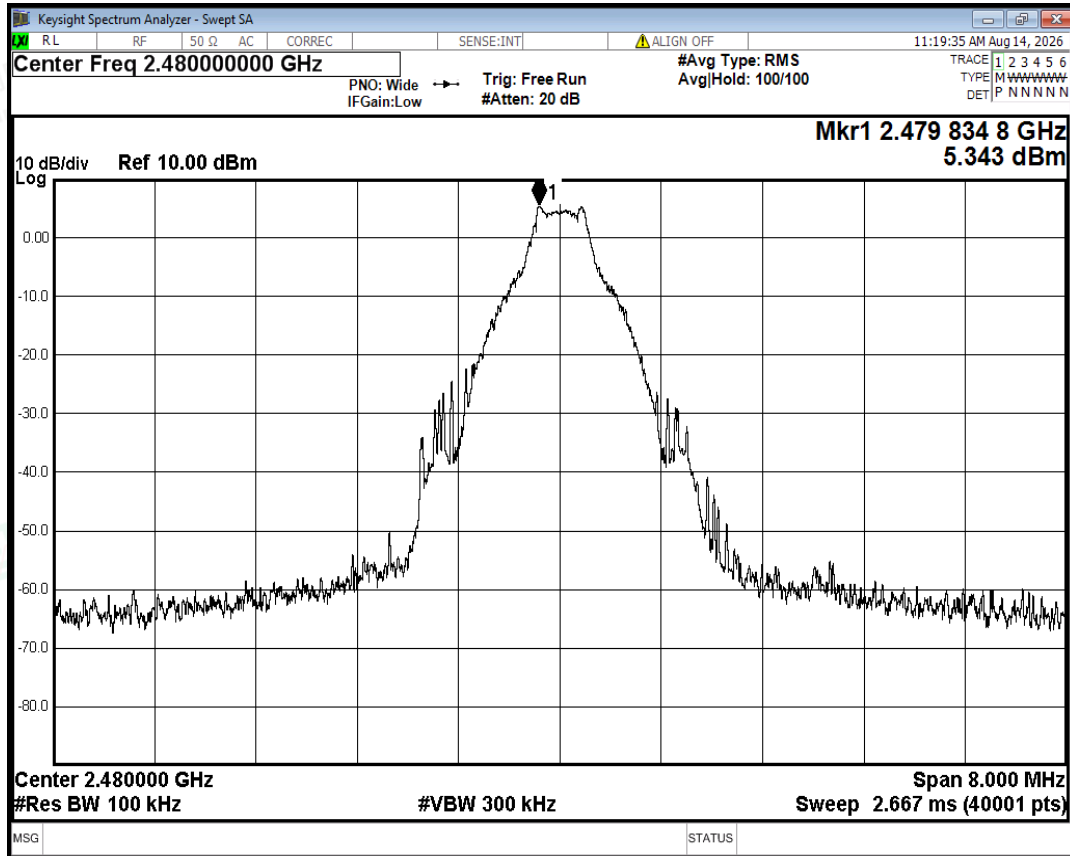
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



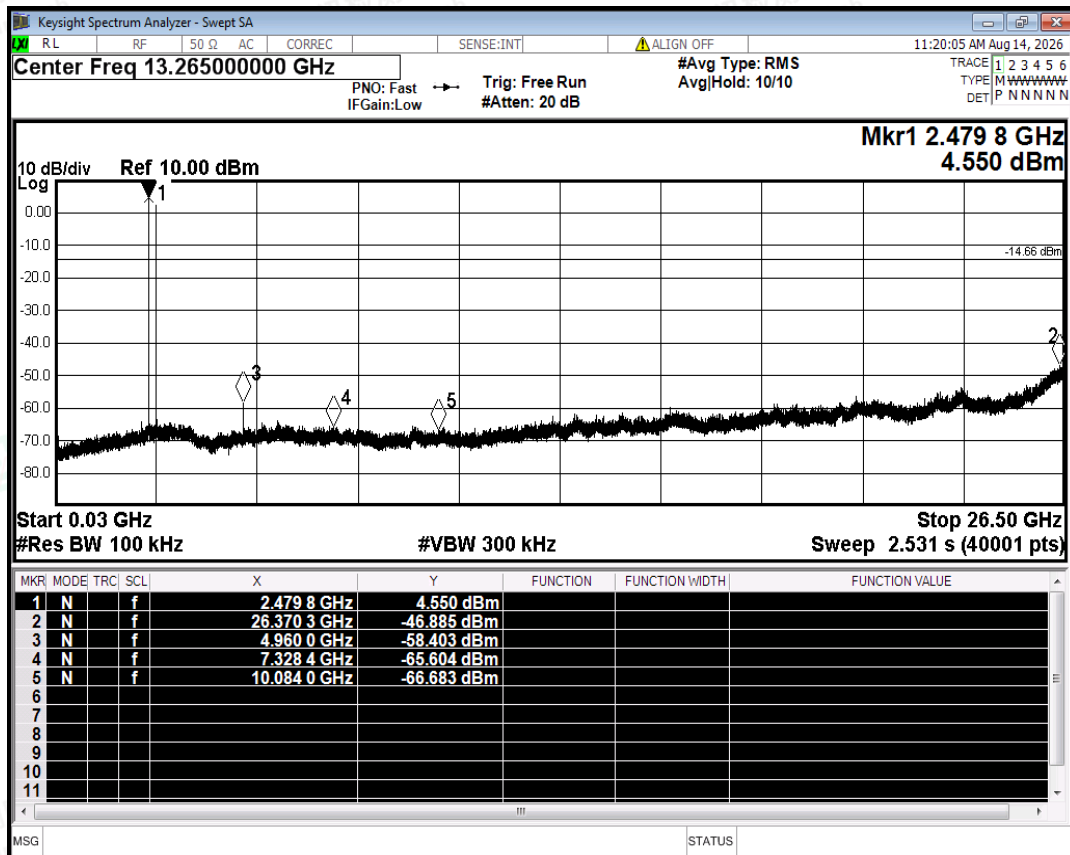
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



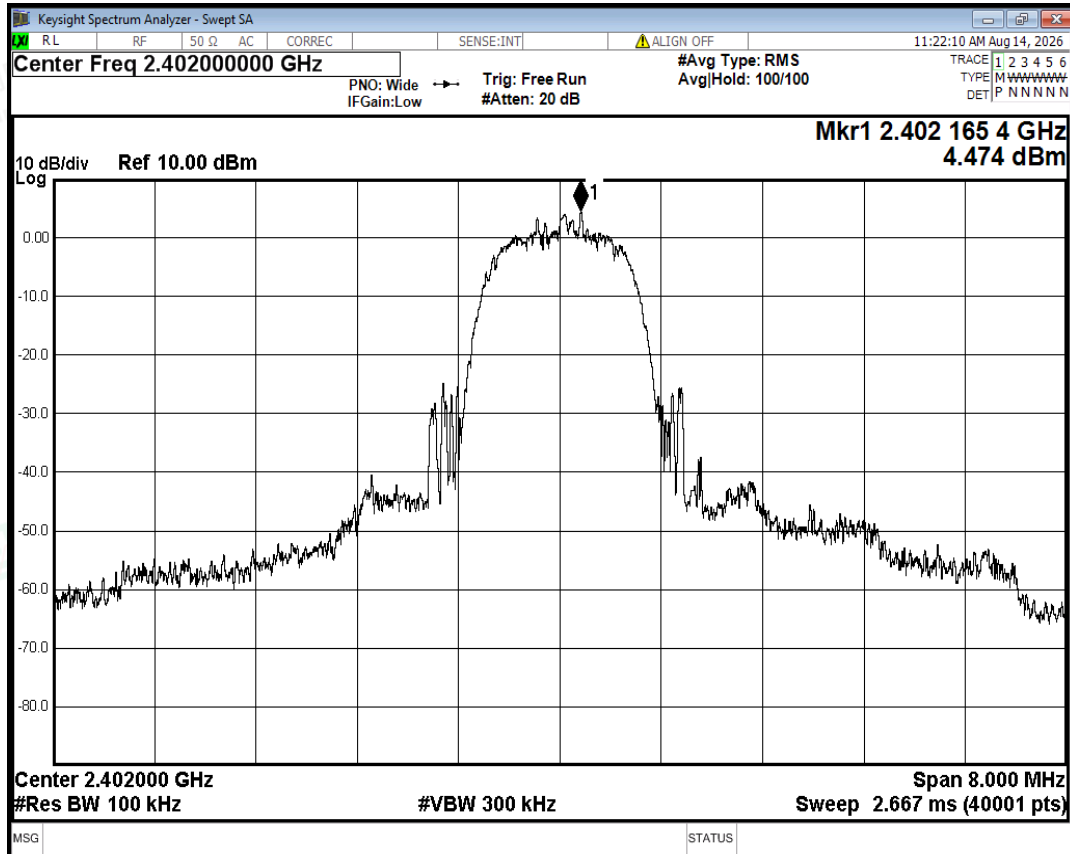
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



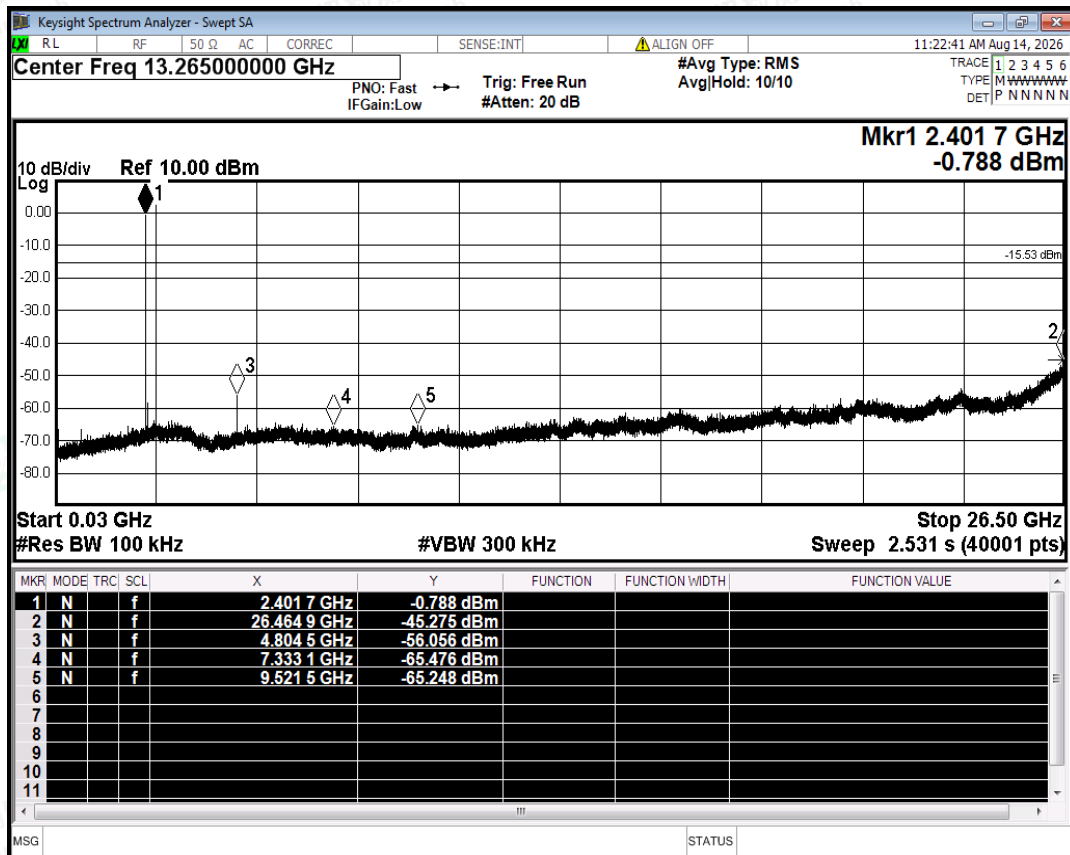
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



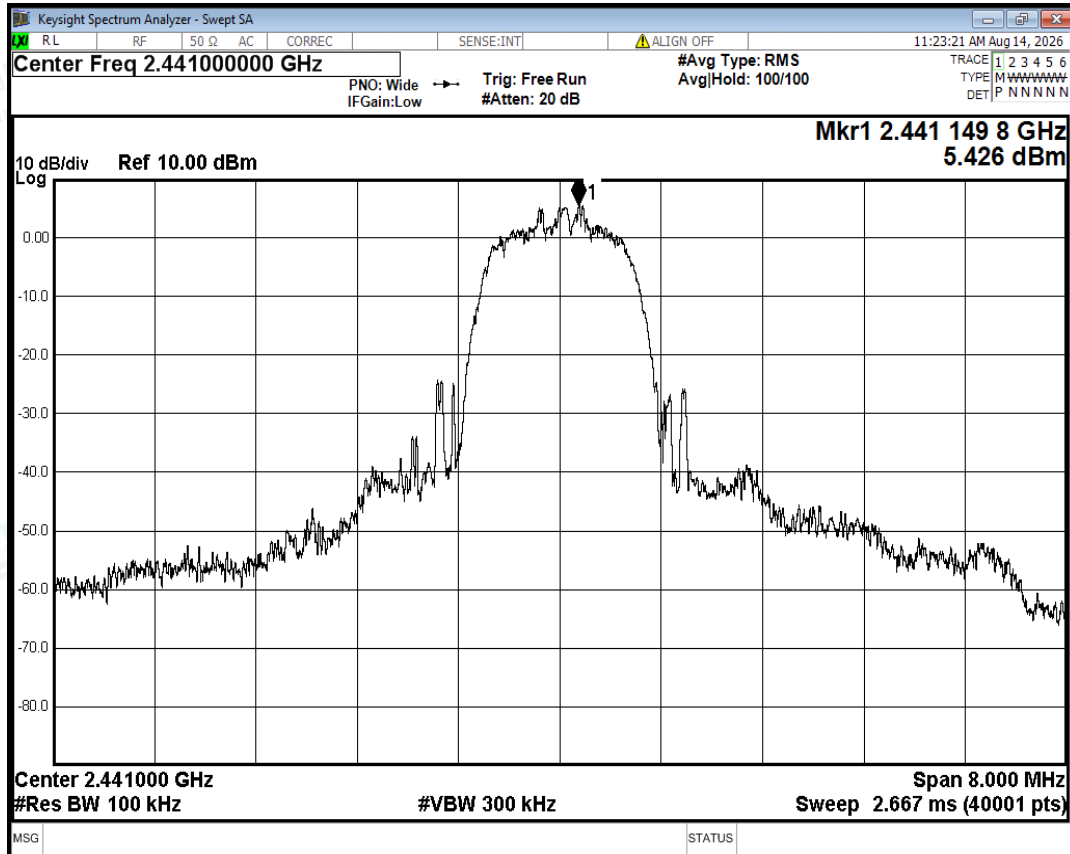
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



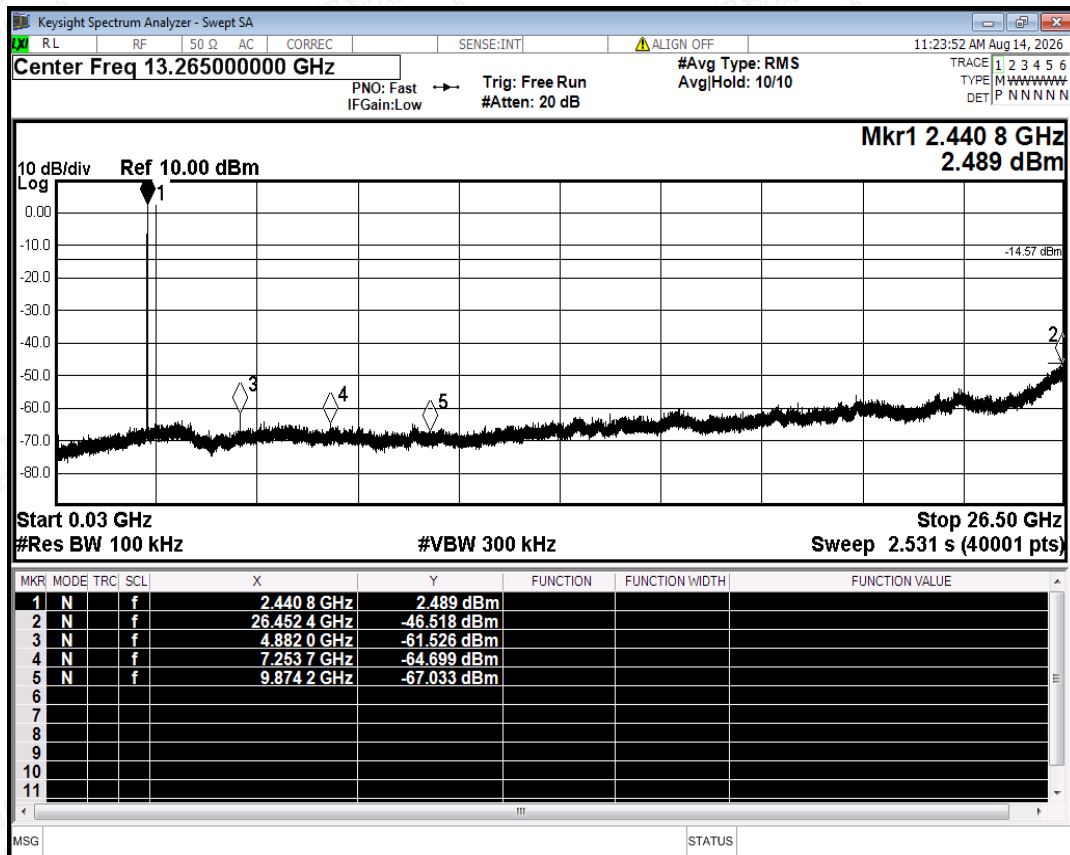
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



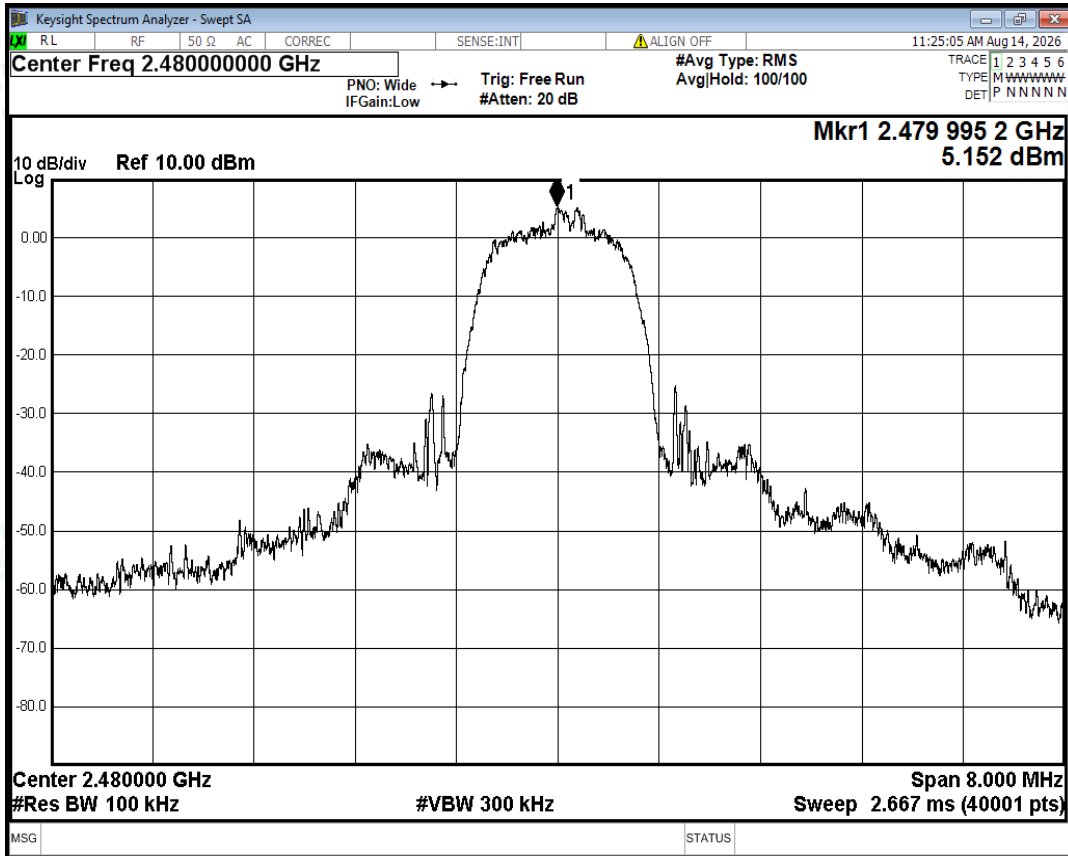
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



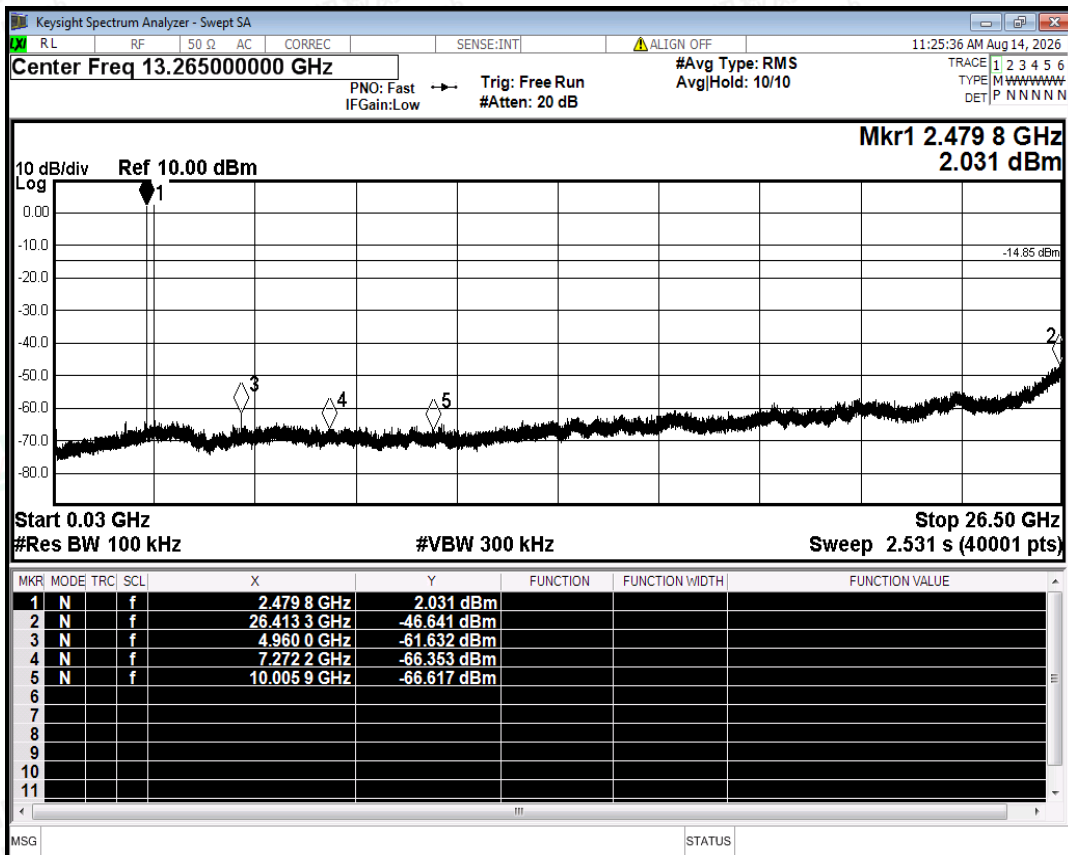
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



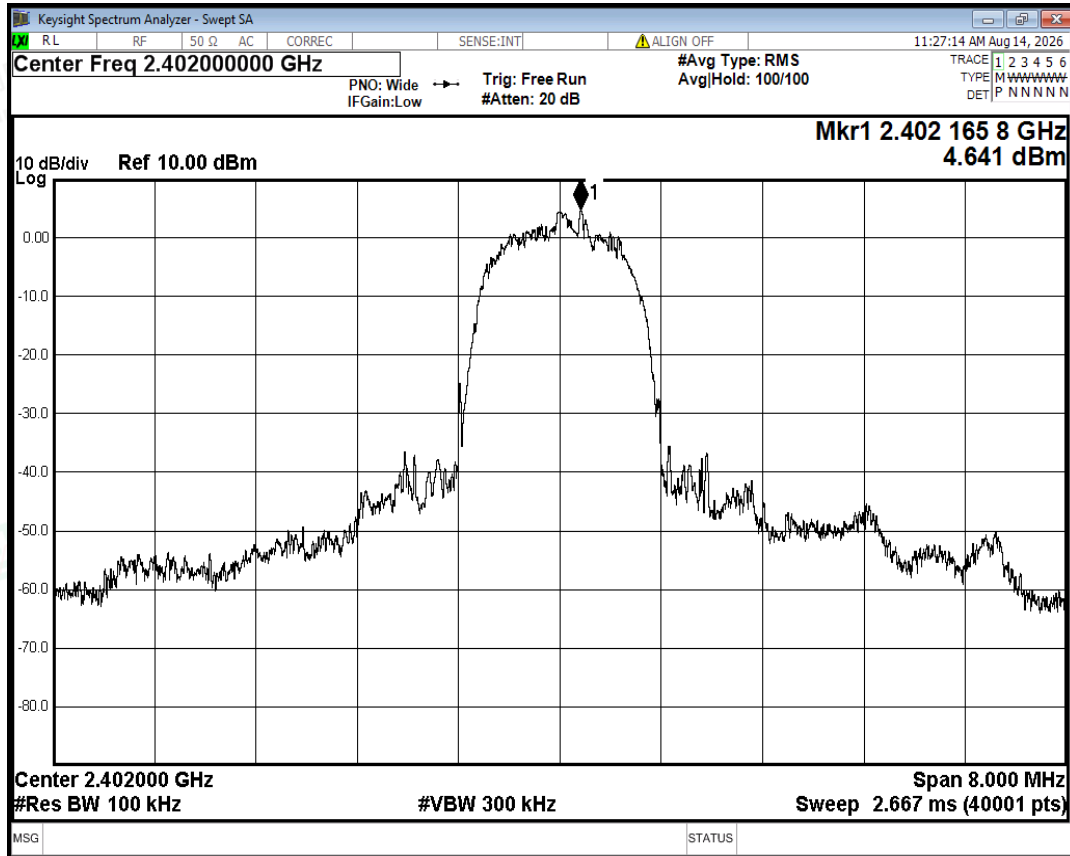
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



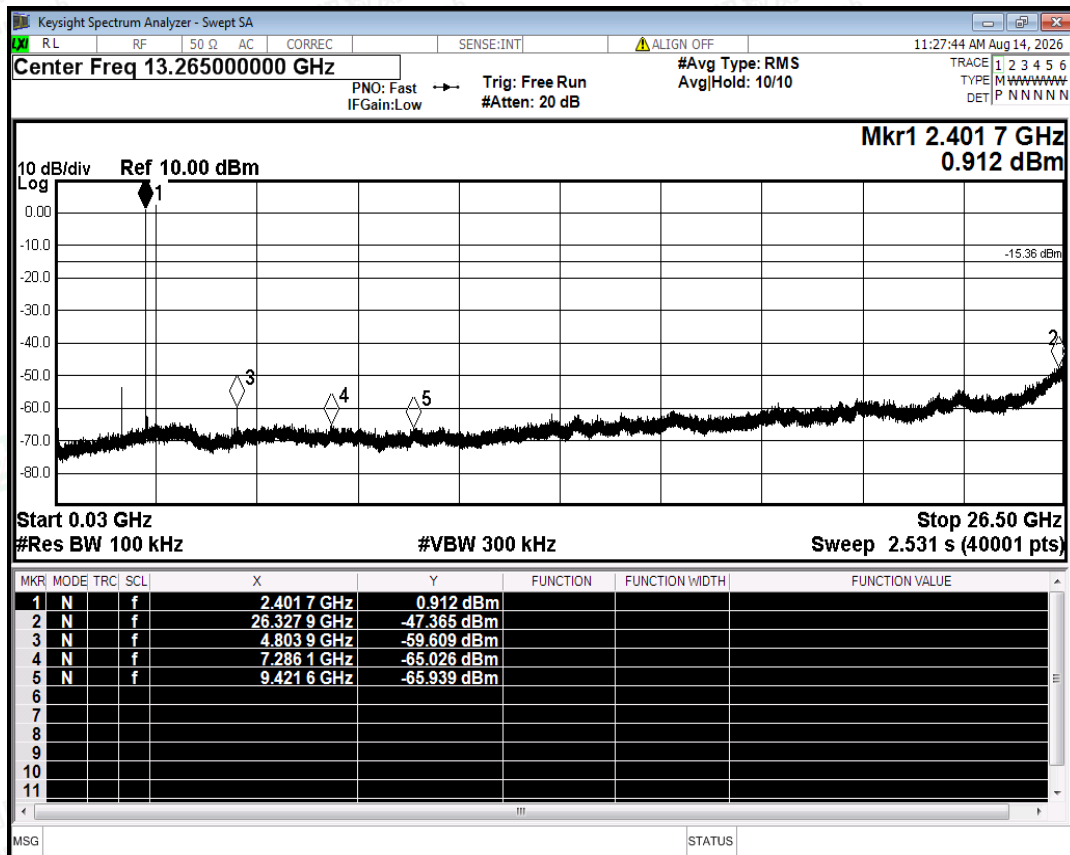
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



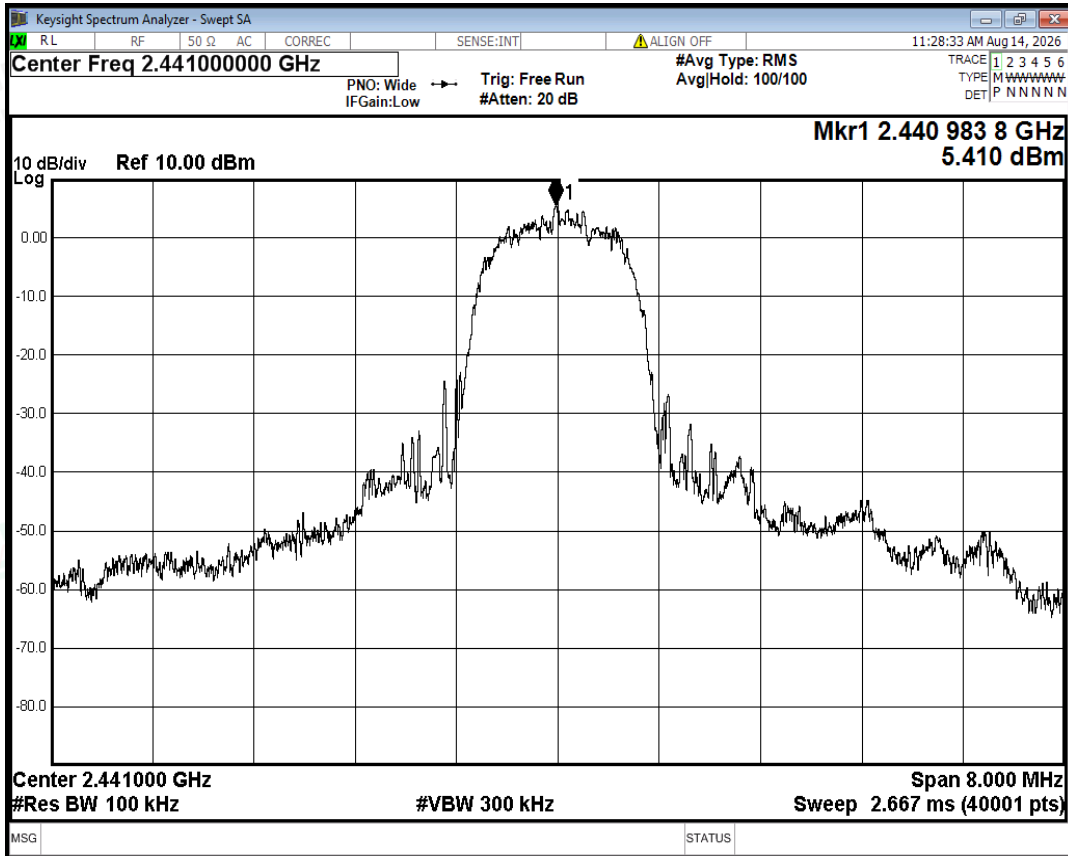
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



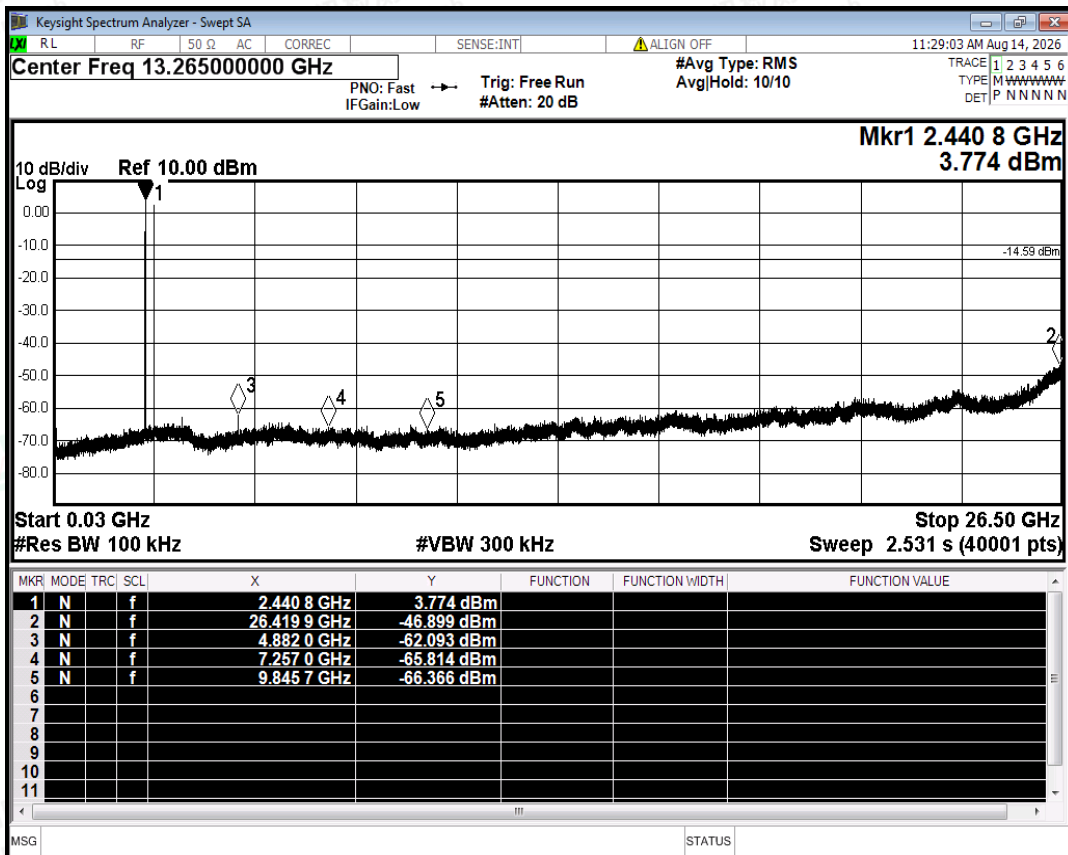
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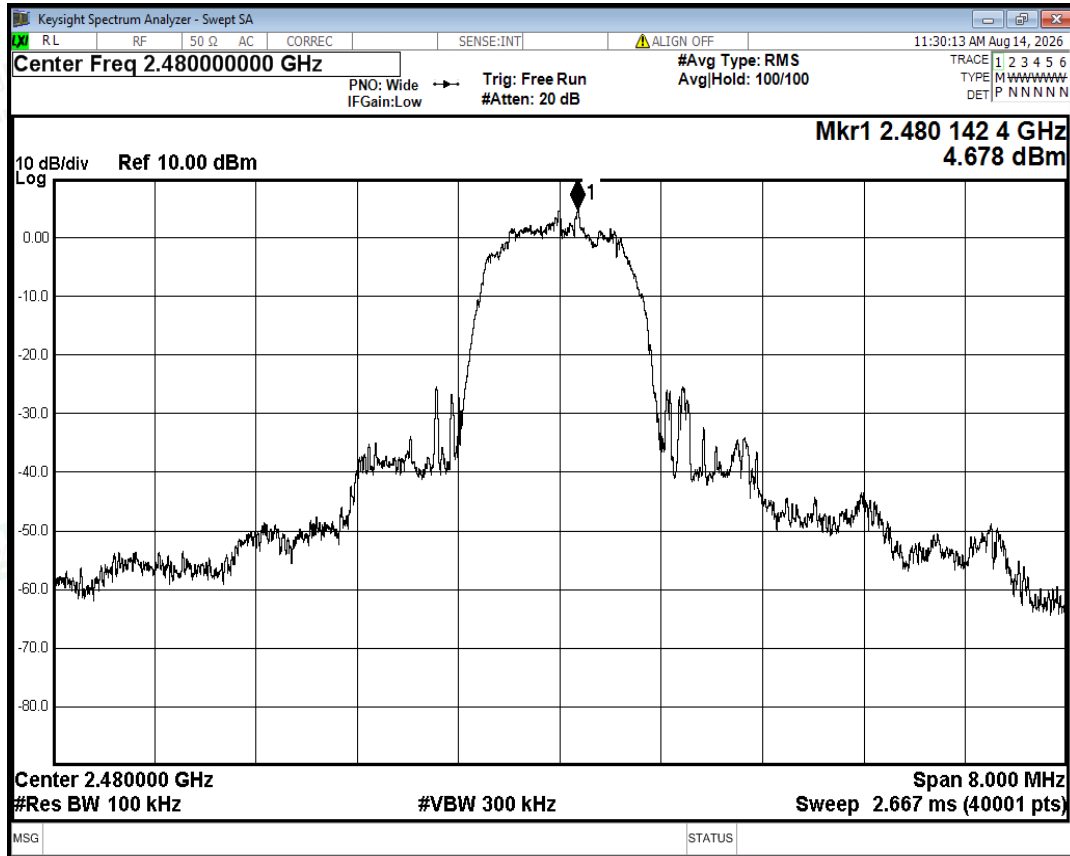
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



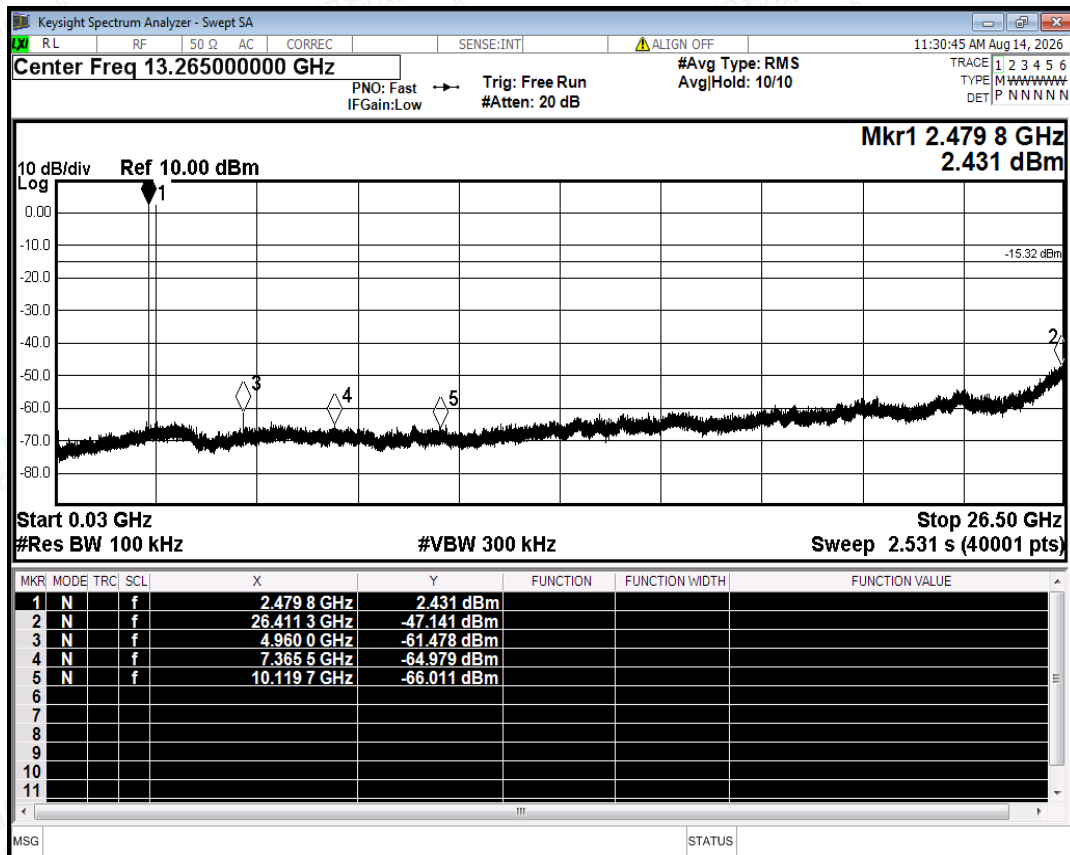
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref

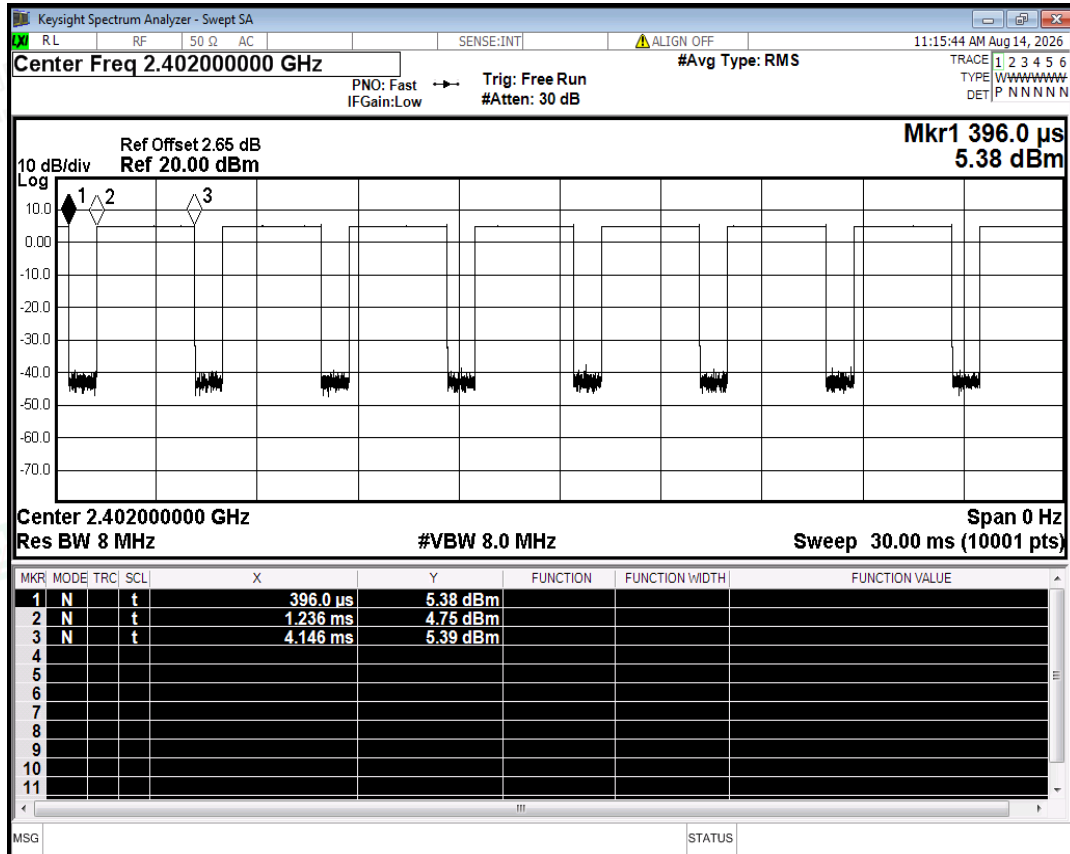


Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

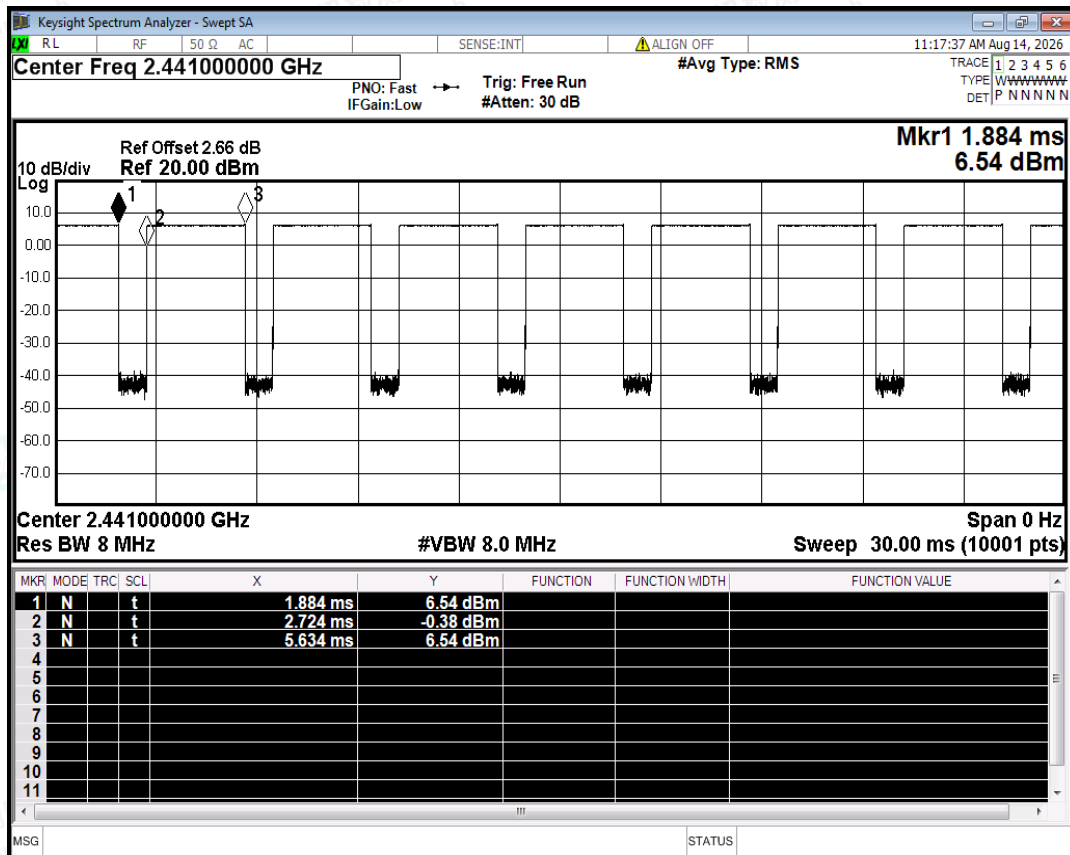


A.8 Duty Cycle

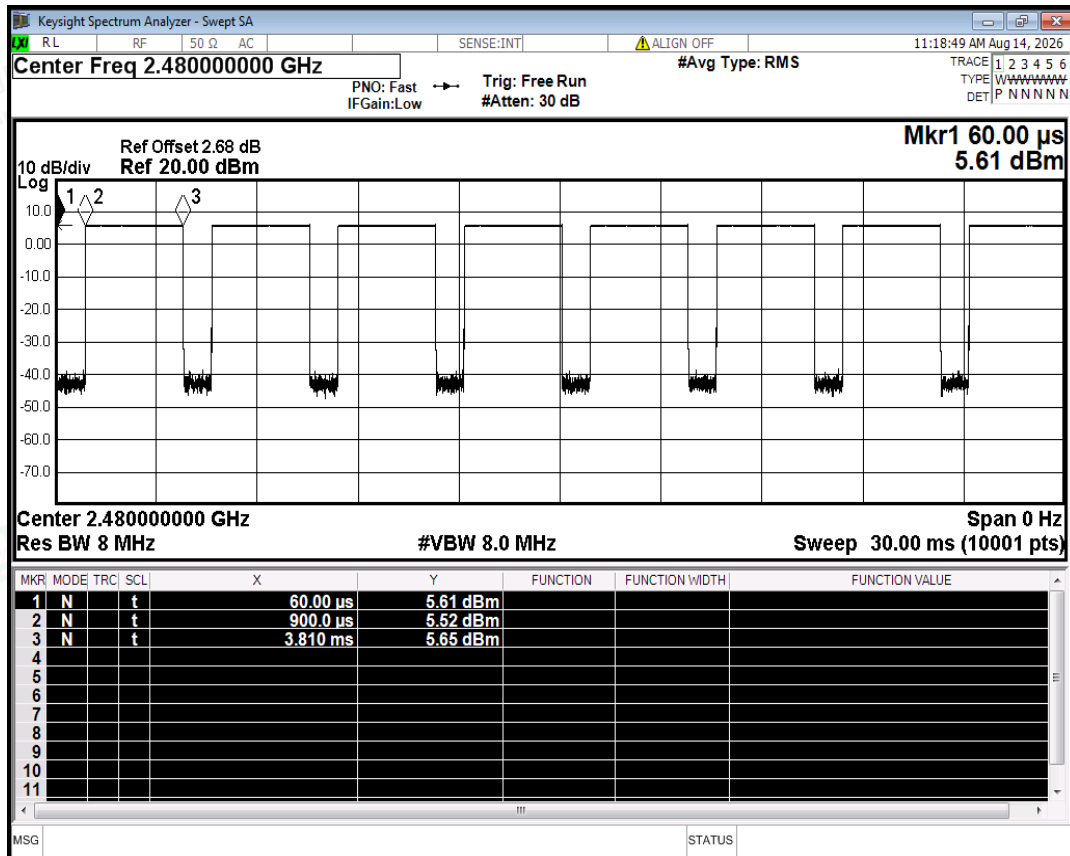
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.6	1.1	0.34
NVNT	2-DH5	2402	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2480	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2402	Ant1	77.2	1.12	0.35
NVNT	3-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2480	Ant1	77.28	1.12	0.35



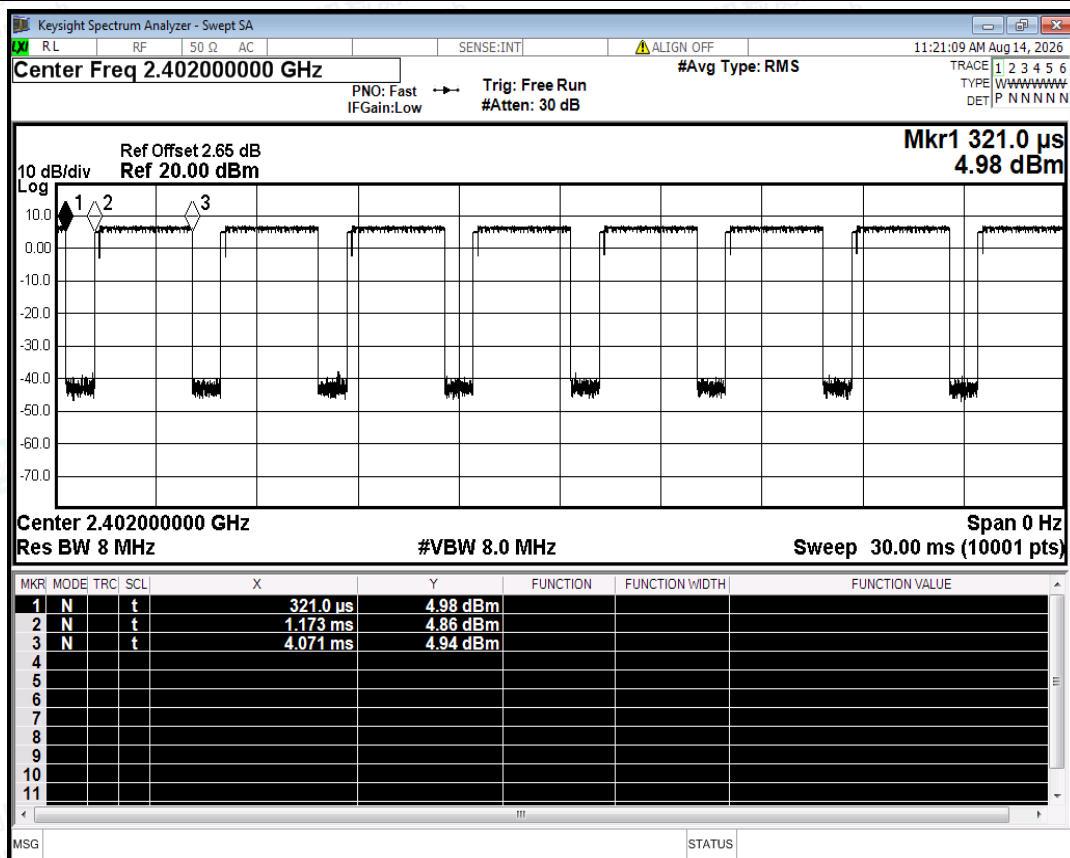
Duty Cycle NVNT 1-DH5 2402MHz Ant1



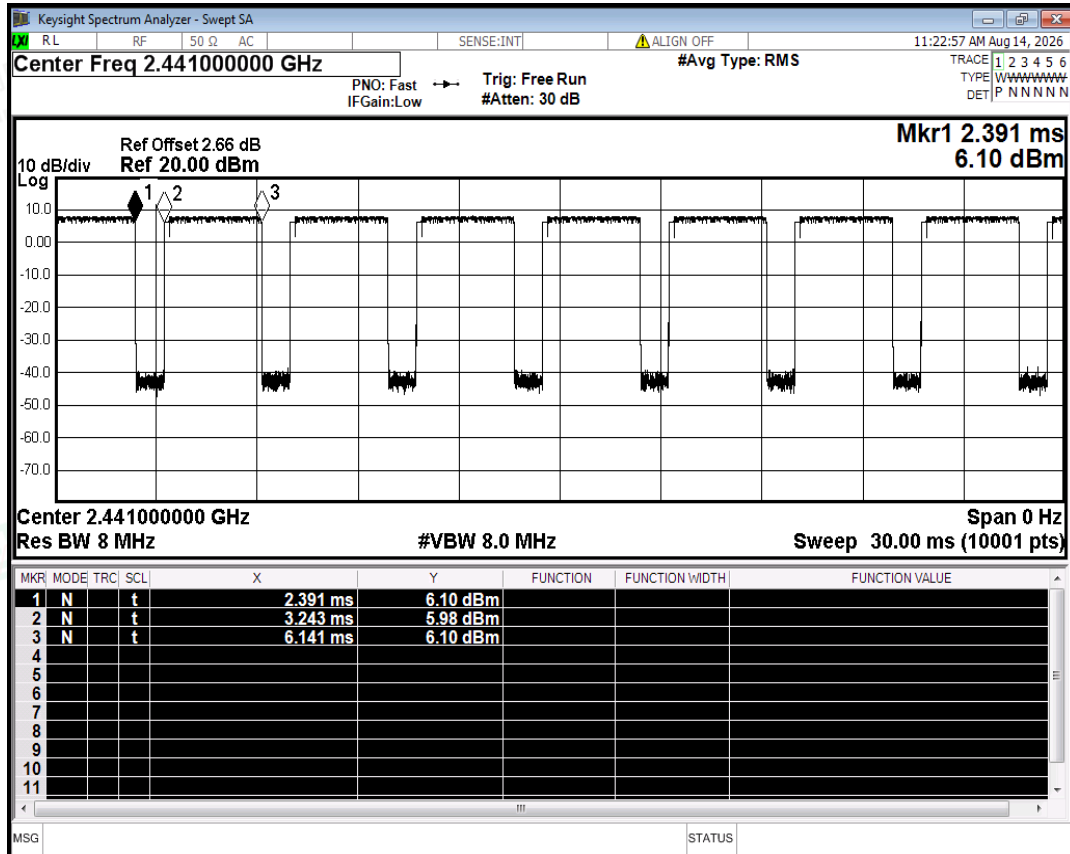
Duty Cycle NVNT 1-DH5 2441MHz Ant1



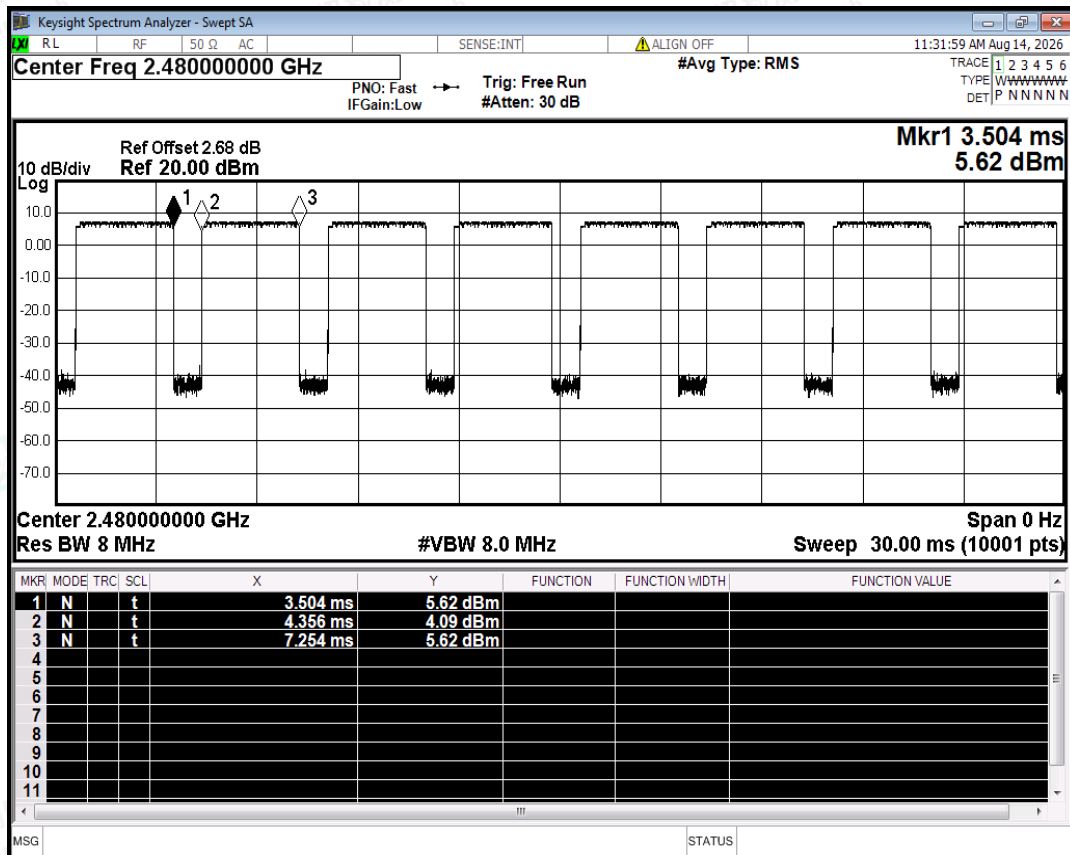
Duty Cycle NVNT 1-DH5 2480MHz Ant1



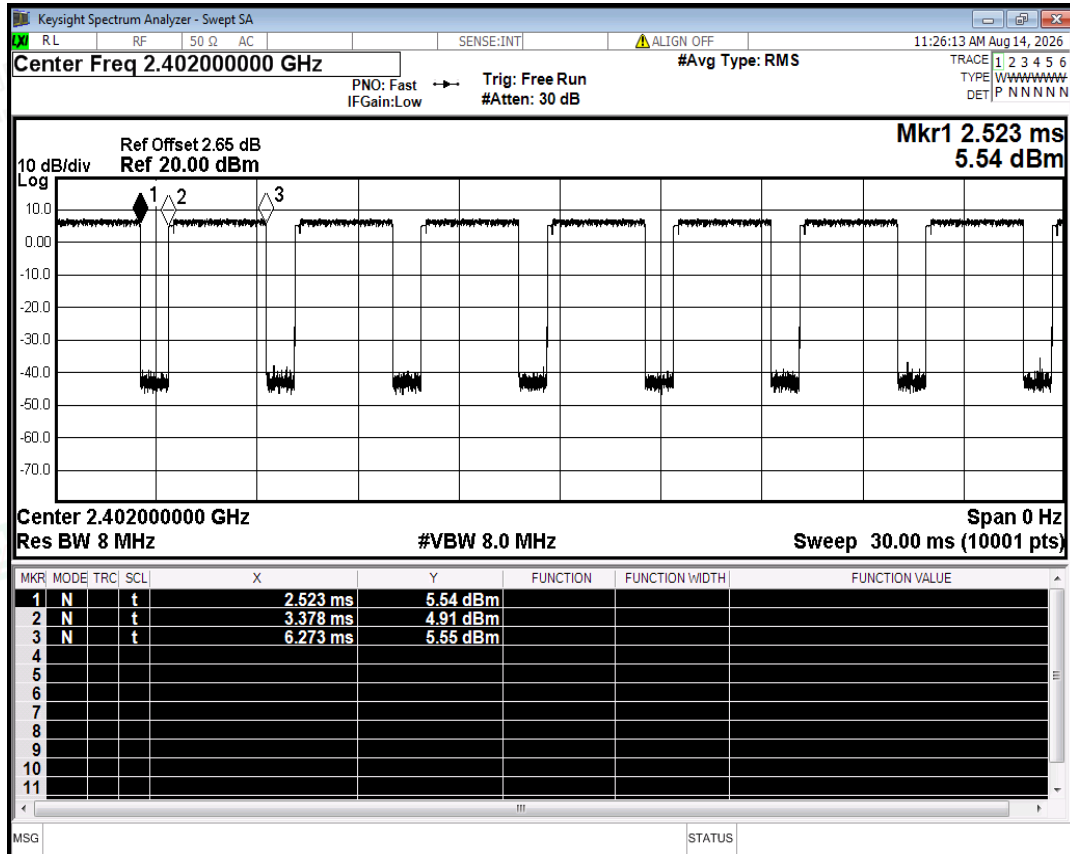
Duty Cycle NVNT 2-DH5 2402MHz Ant1



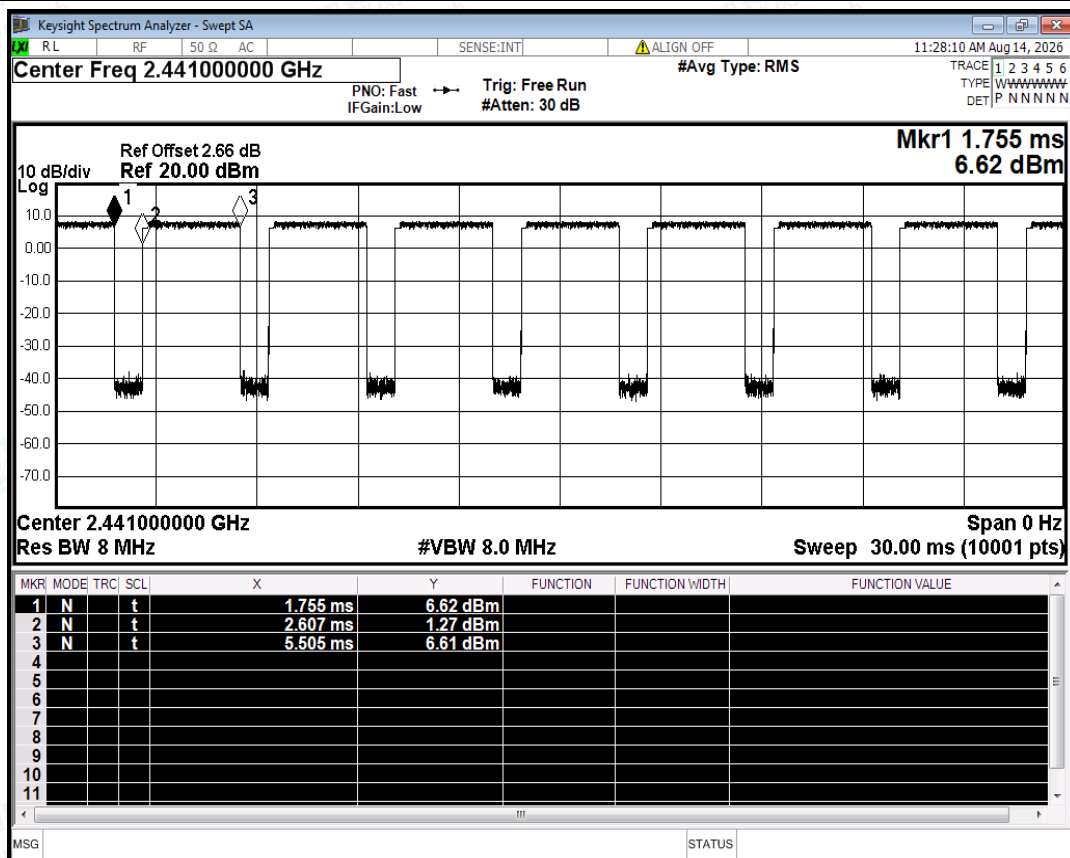
Duty Cycle NVNT 2-DH5 2441MHz Ant1



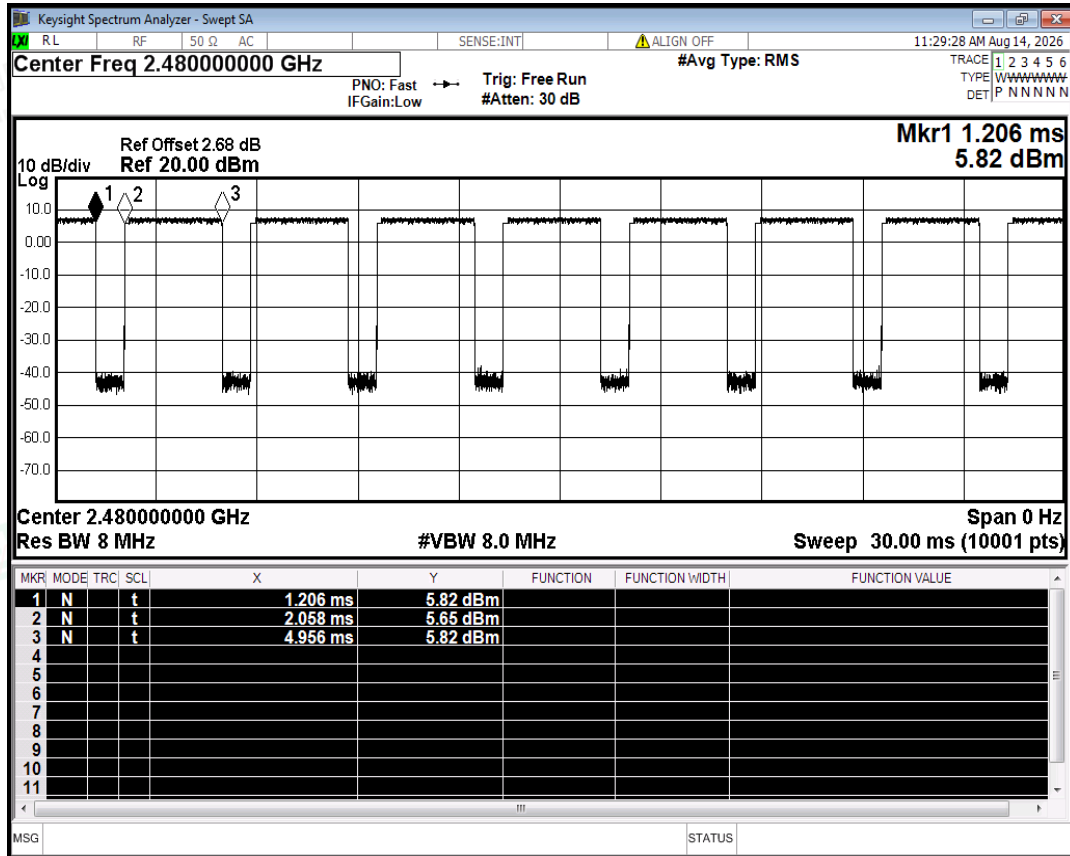
Duty Cycle NVNT 2-DH5 2480MHz Ant1



Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1

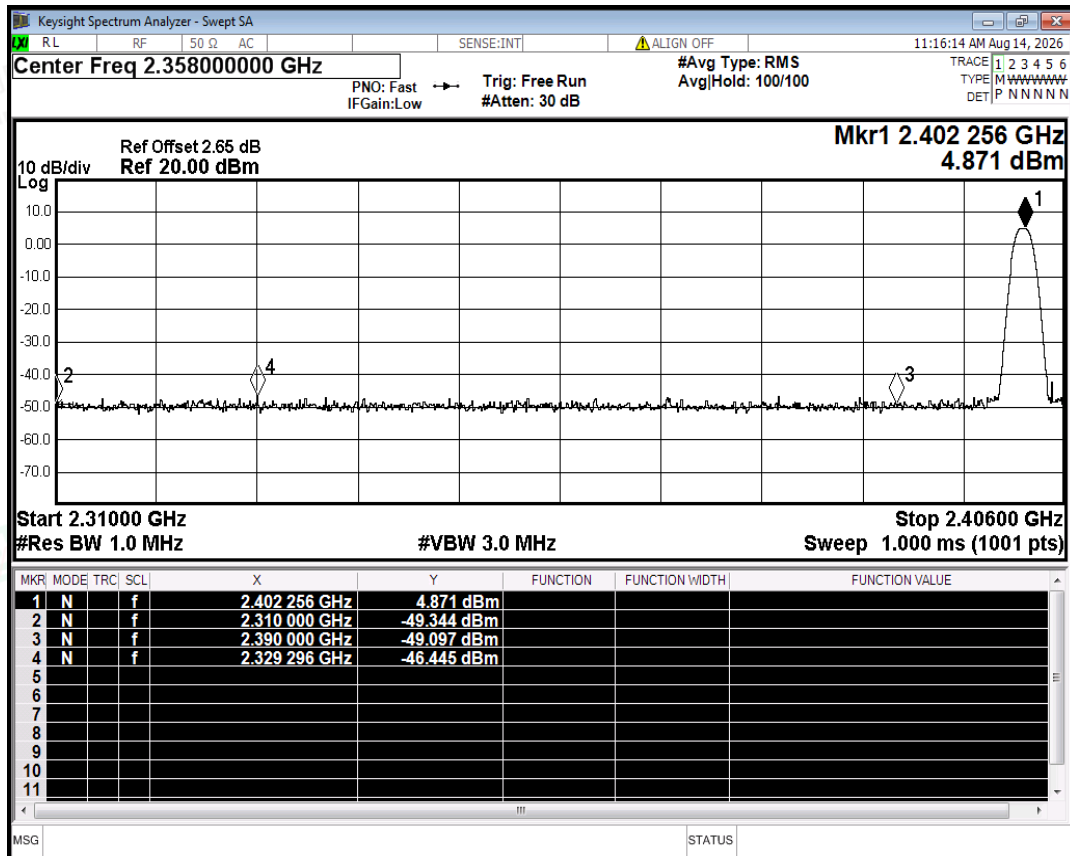


Duty Cycle NVNT 3-DH5 2480MHz Ant1

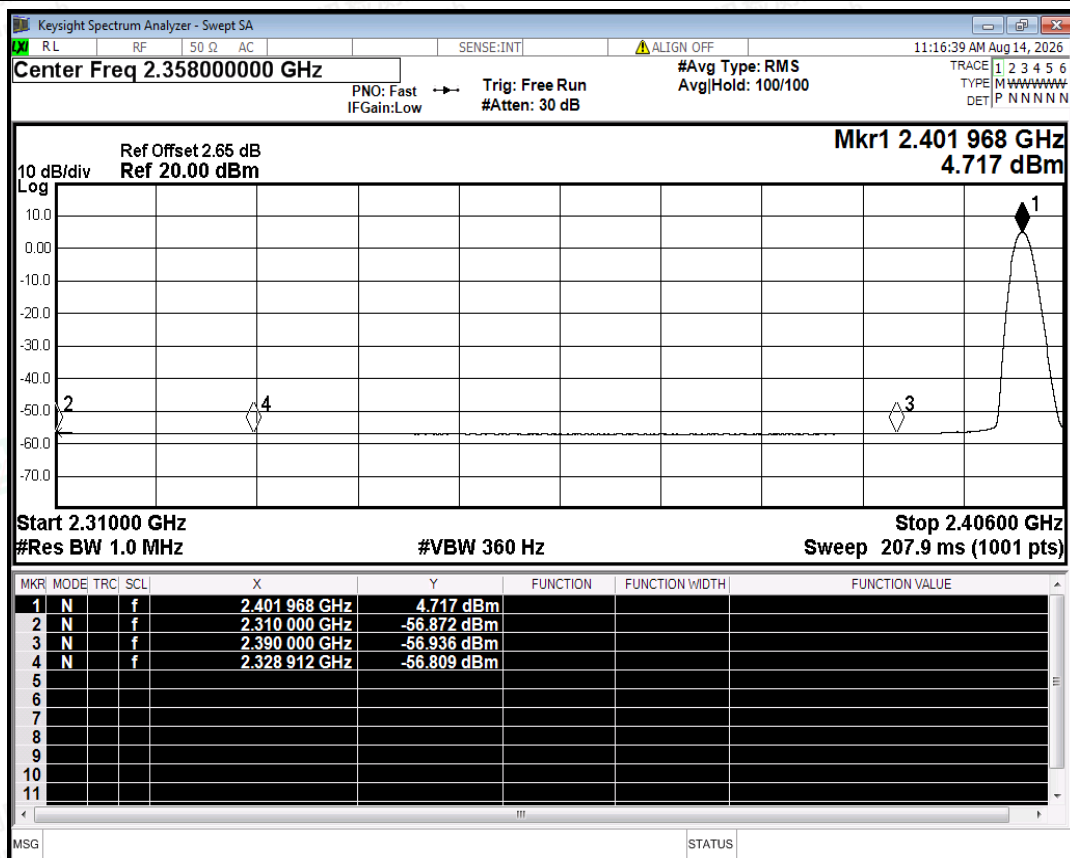


A.9 Restrict Band

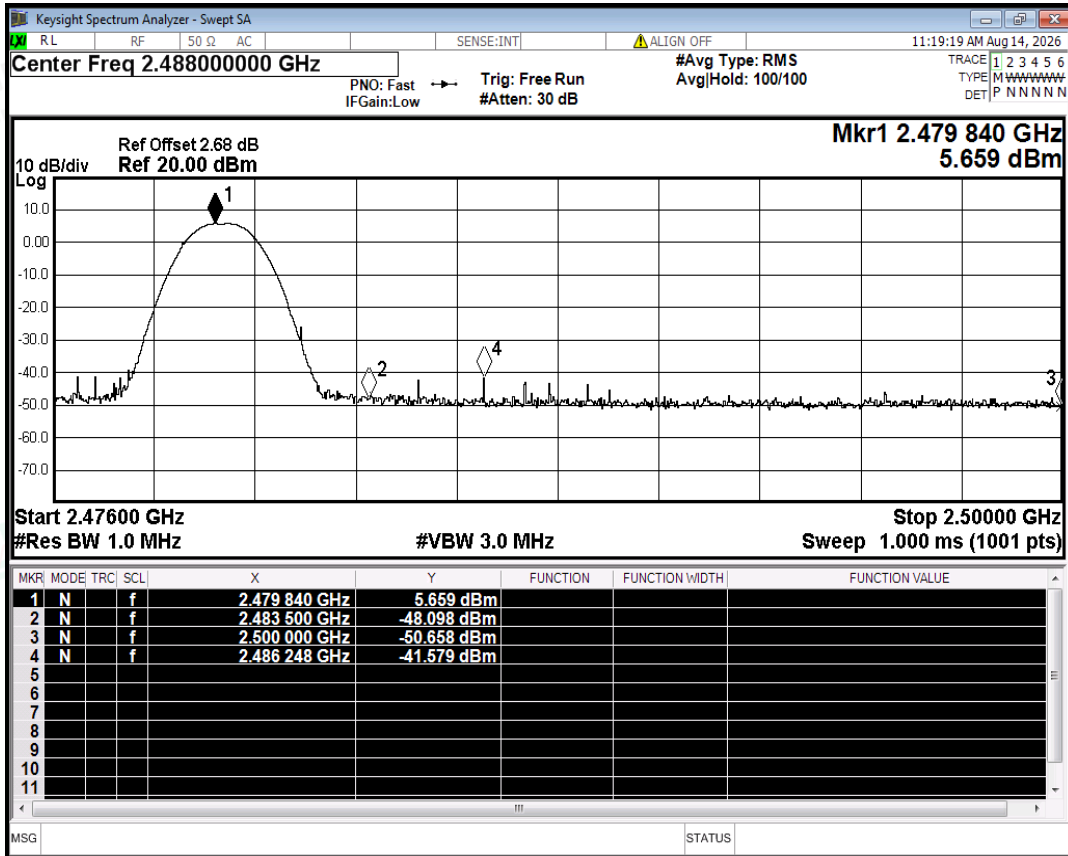
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.34	2.95	48.87	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-56.87	2.95	41.34	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2329.296	-46.44	2.95	51.77	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2328.912	-56.8	2.95	41.41	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.01	2.95	48.20	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-56.99	2.95	41.22	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-48.09	2.95	50.12	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-53.04	2.95	45.17	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2486.248	-41.57	2.95	56.64	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-53.04	2.95	45.17	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.65	2.95	47.56	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-56.79	2.95	41.42	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.81	2.95	48.40	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-56.93	2.95	41.28	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2337.648	-47	2.95	51.21	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2313.936	-56.8	2.95	41.41	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.48	2.95	47.73	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57	2.95	41.21	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-39.18	2.95	59.03	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.44	2.95	48.77	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-39.18	2.95	59.03	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-49.44	2.95	48.77	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.01	2.95	47.20	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-56.78	2.95	41.43	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.38	2.95	48.83	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-56.78	2.95	41.43	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2347.056	-46.77	2.95	51.44	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-56.78	2.95	41.43	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-48.62	2.95	49.59	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.02	2.95	41.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-41.11	2.95	57.10	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.02	2.95	49.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.536	-38.45	2.95	59.76	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-49.02	2.95	49.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.11	2.95	48.10	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-56.74	2.95	41.47	Average	54	Pass



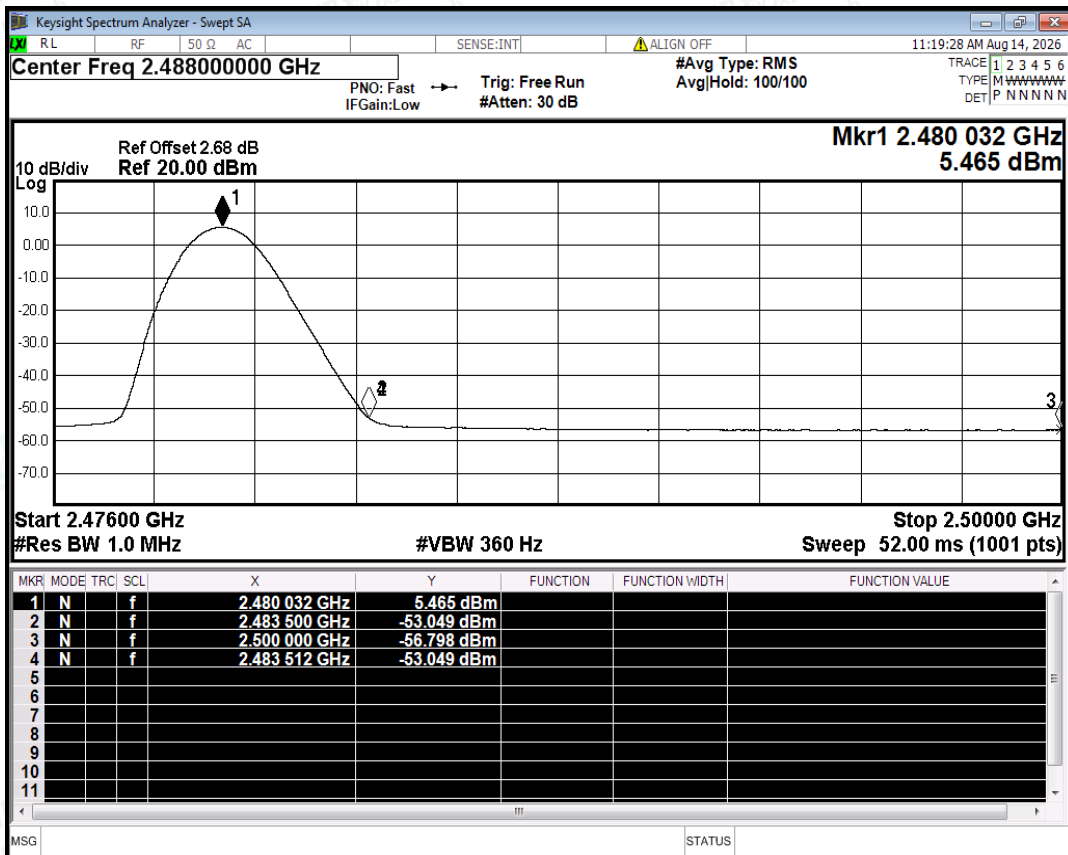
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



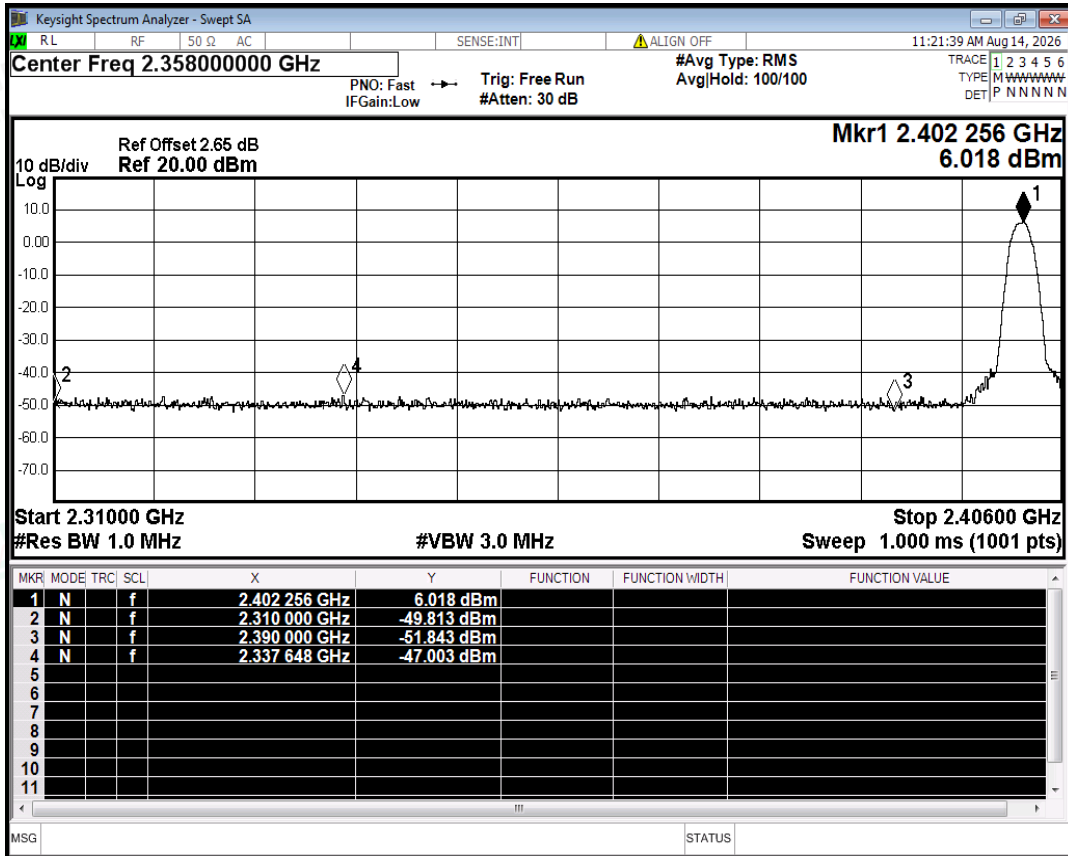
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



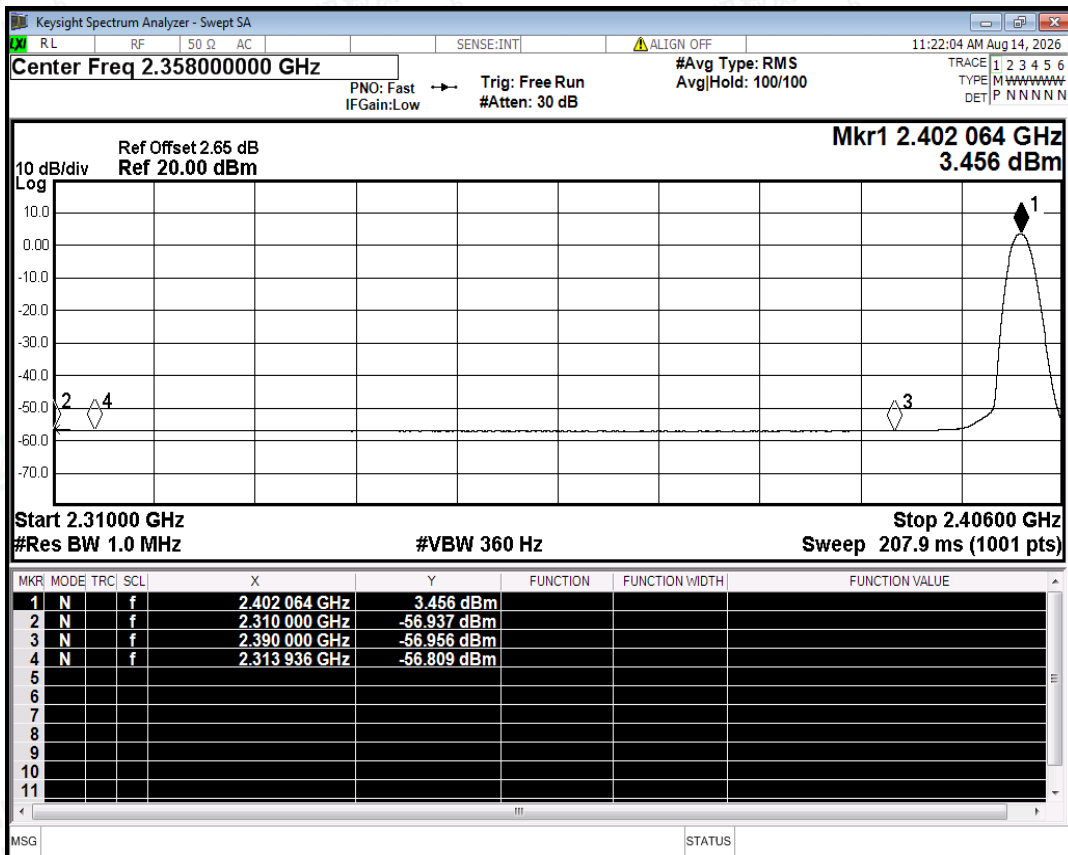
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



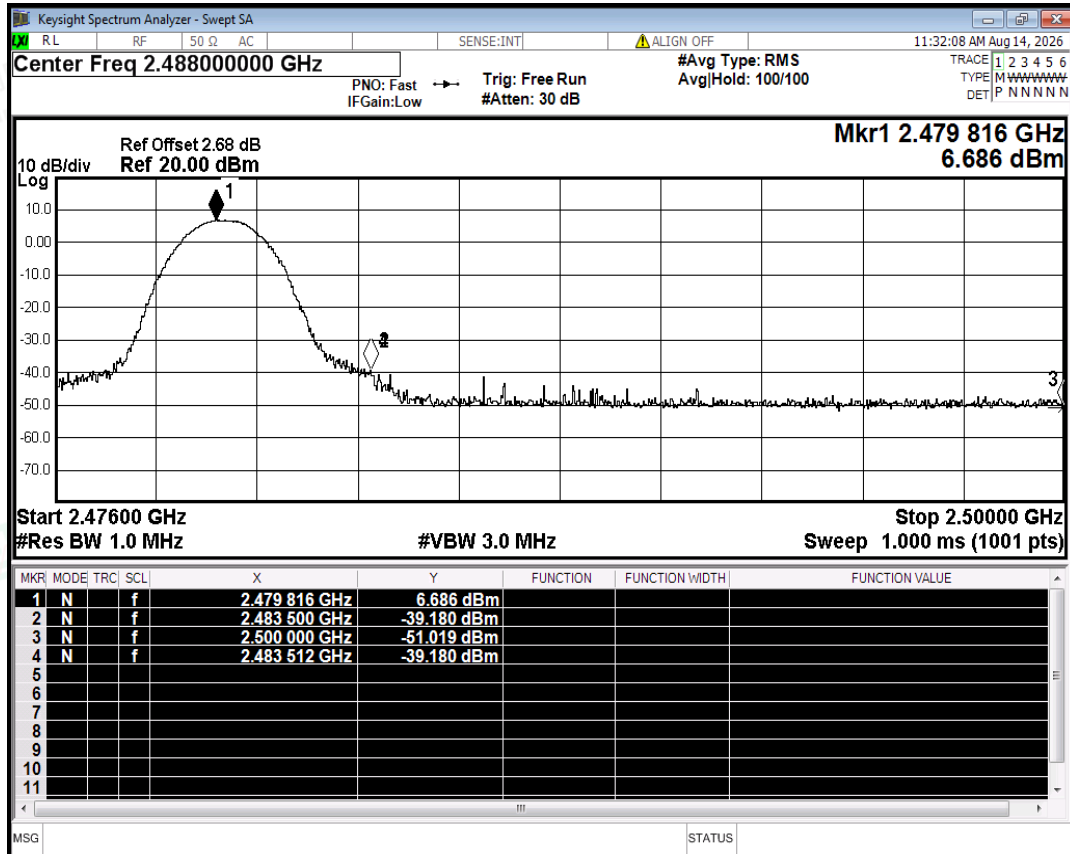
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



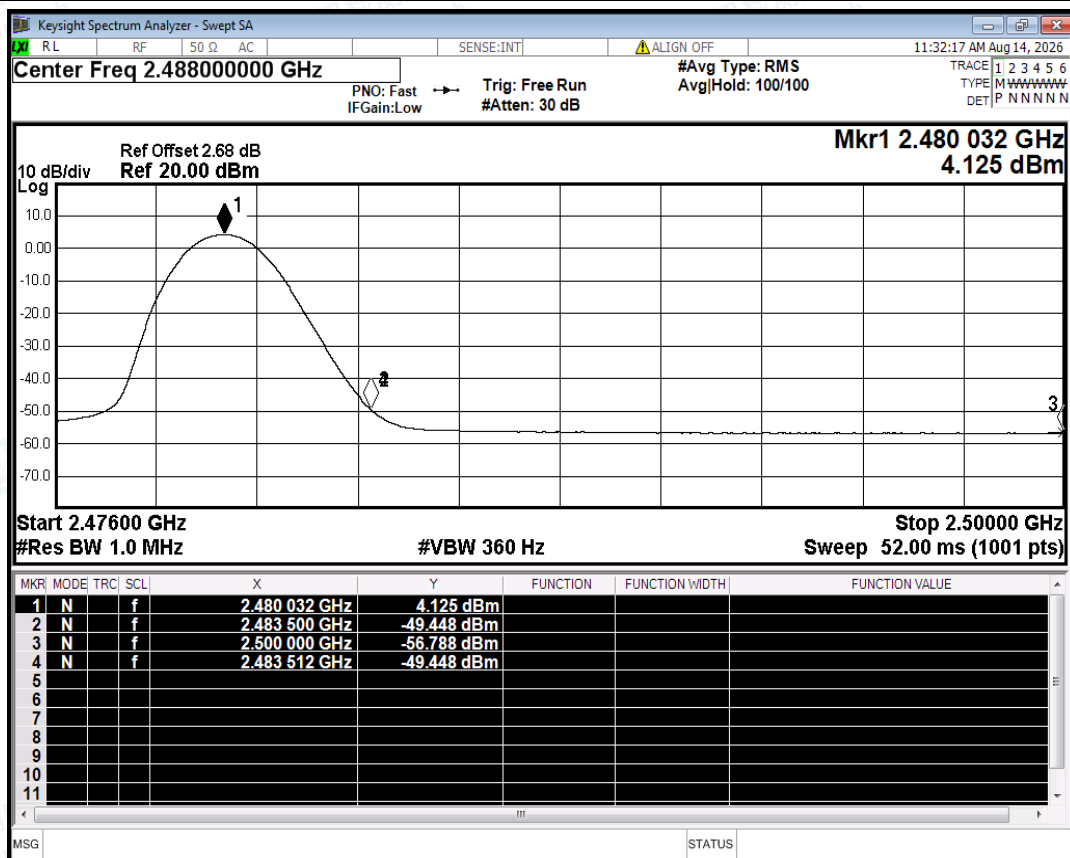
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



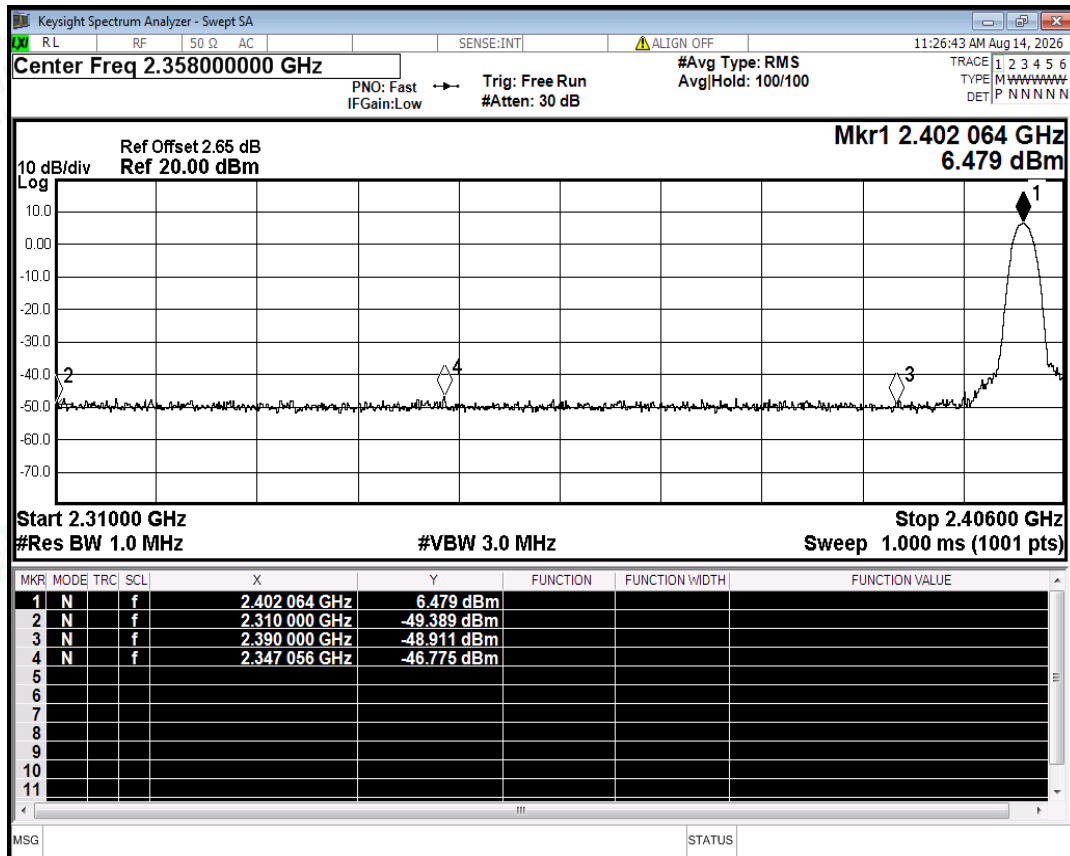
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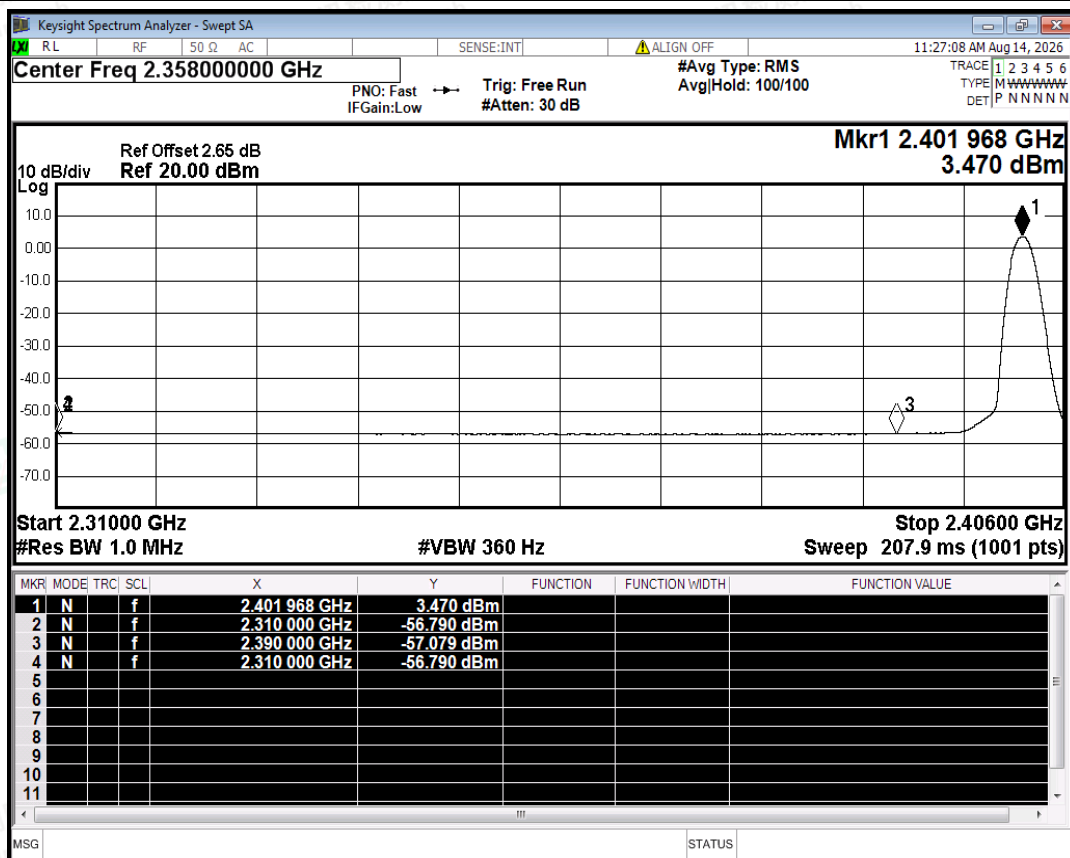
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



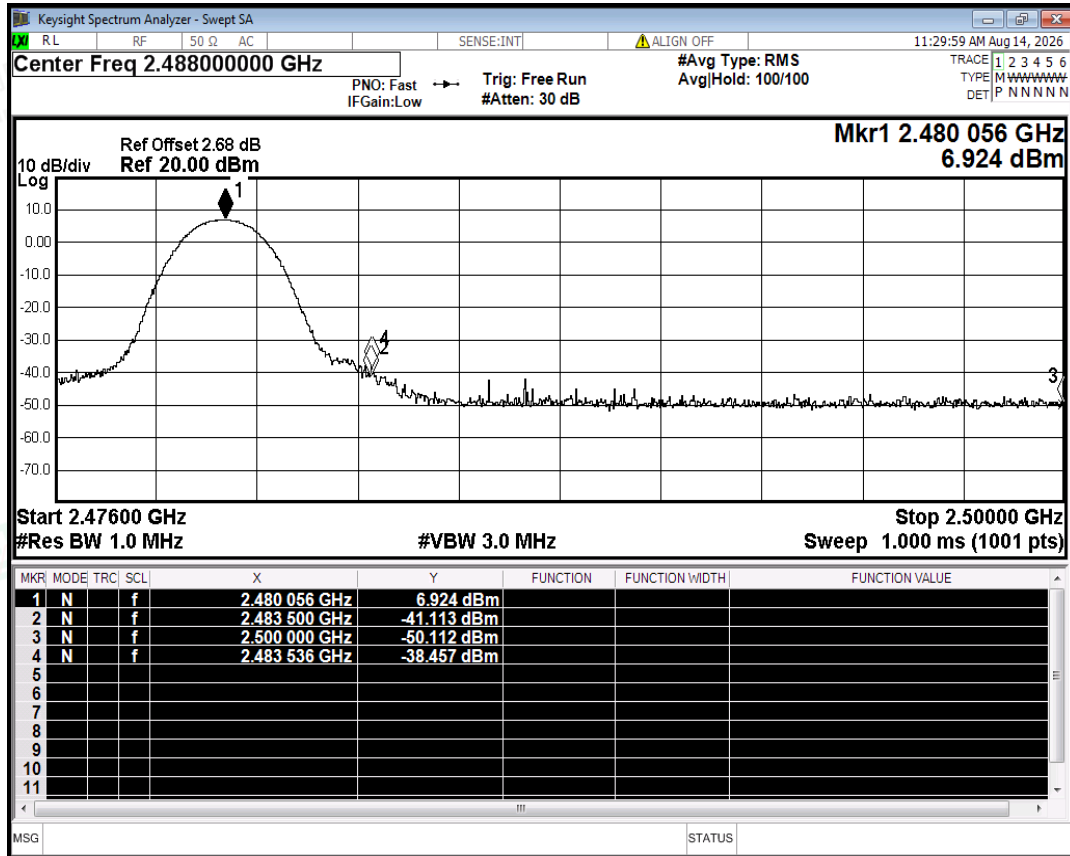
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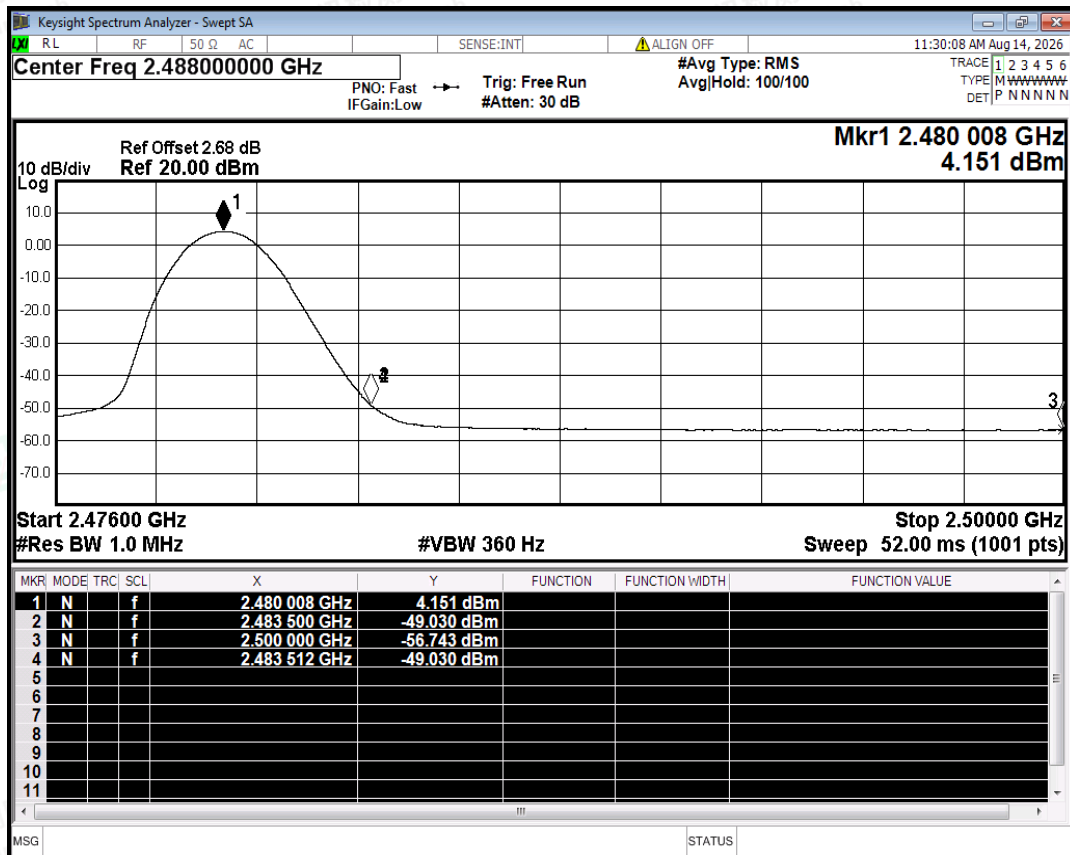
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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