



FCC Appendix RF Test Data for BT

Product Name: Vehicle Mount Computer

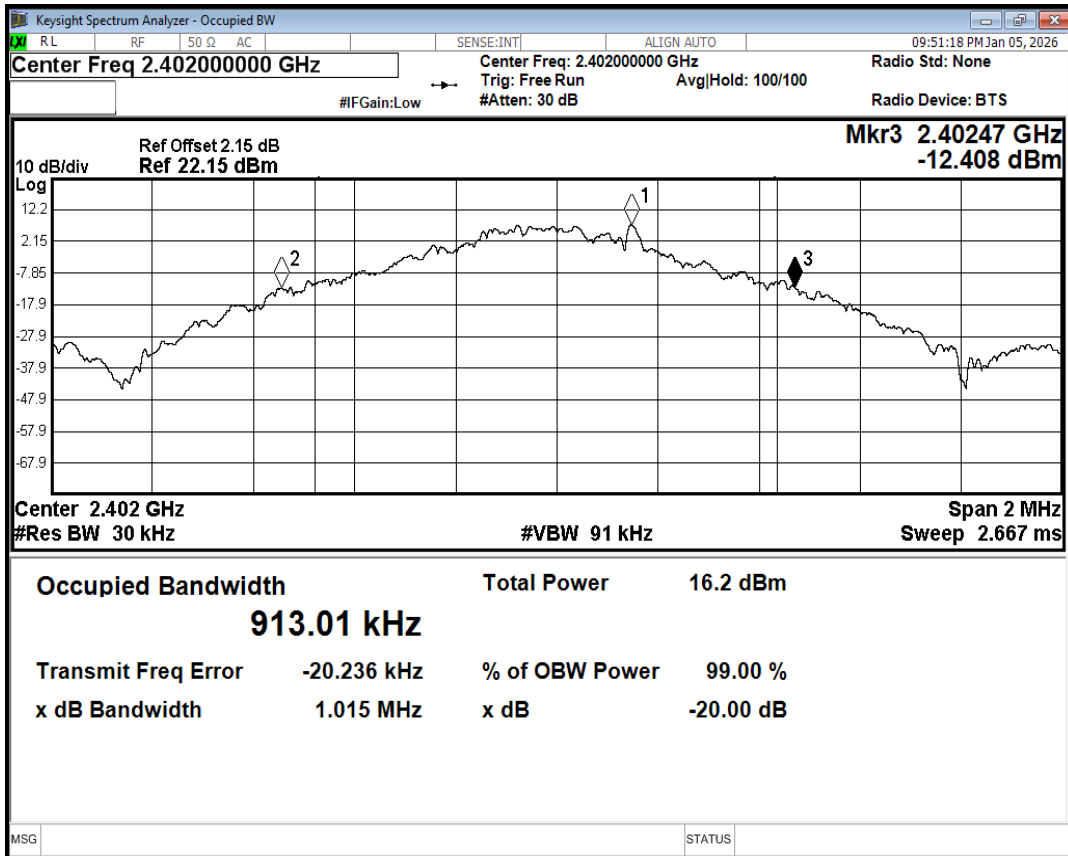
Test Model: LC:TWO MAX

Environmental Conditions

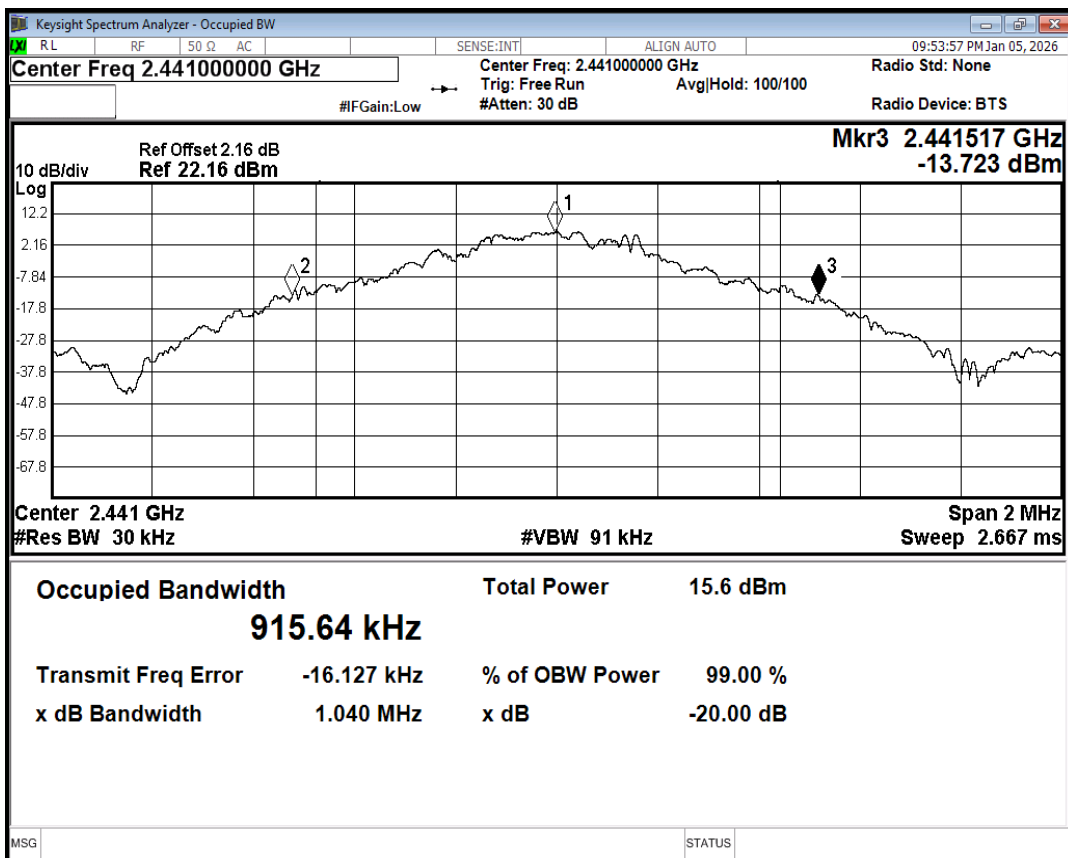
Temperature:	23.6°C
Relative Humidity:	54.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 -20dB Bandwidth

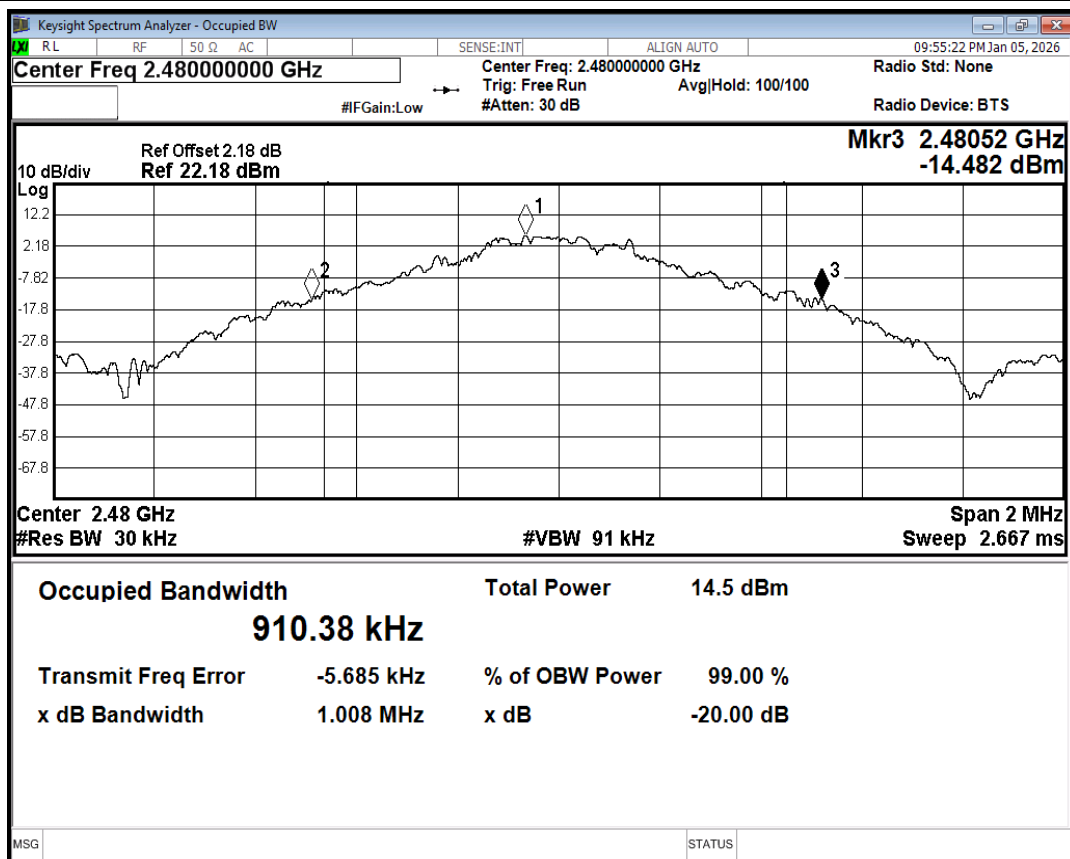
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.015	No Limit	Pass
NVNT	1-DH5	2441	Ant1	1.04	No Limit	Pass
NVNT	1-DH5	2480	Ant1	1.008	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.352	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.351	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.354	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.307	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.328	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.325	No Limit	Pass



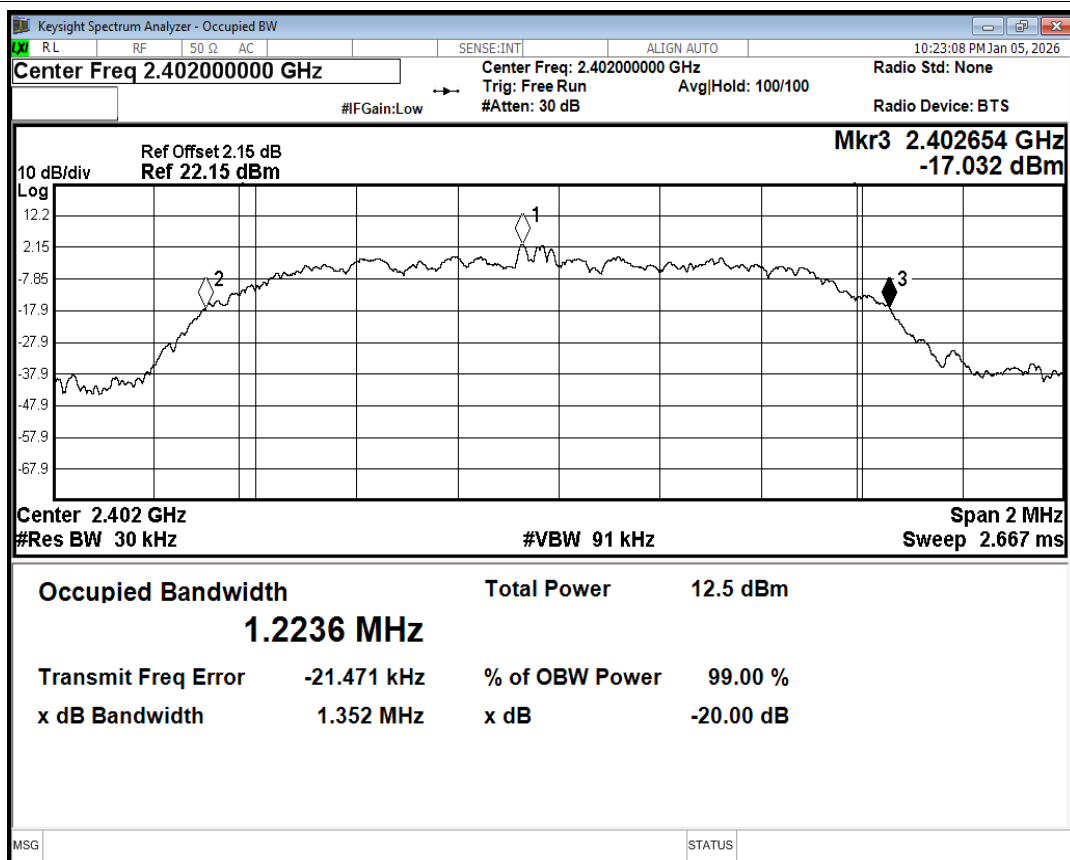
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



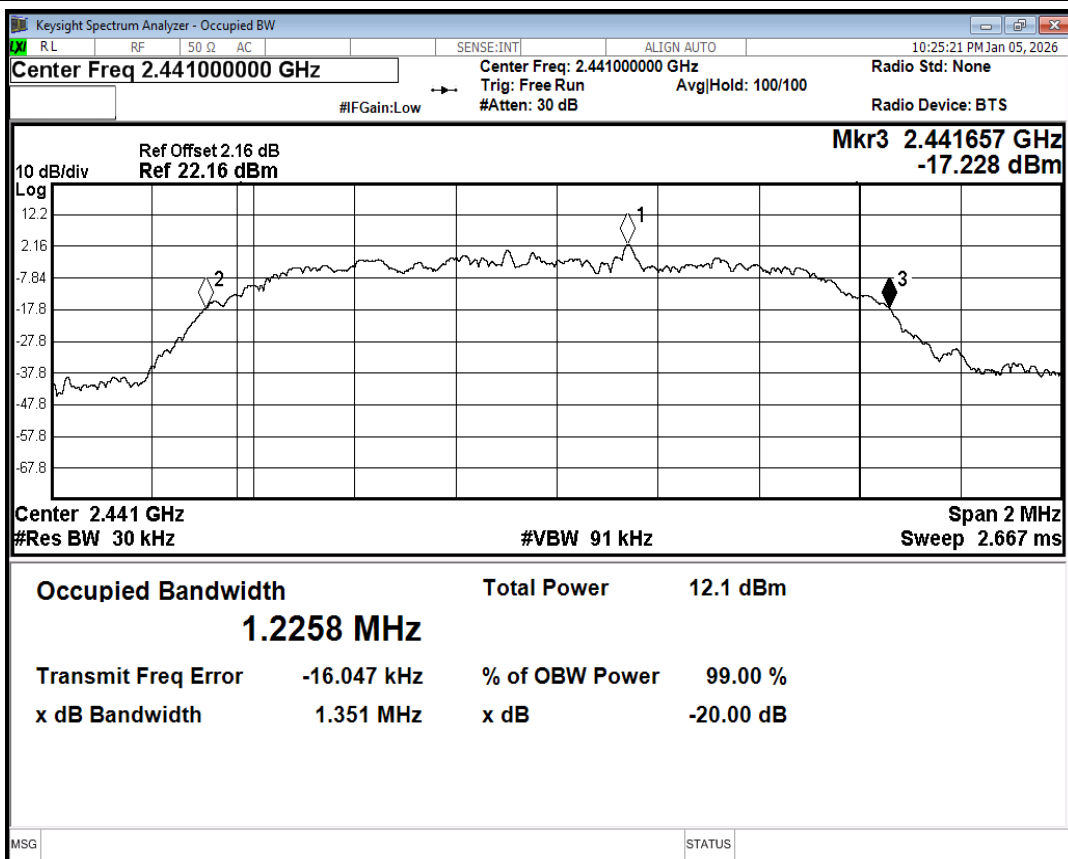
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



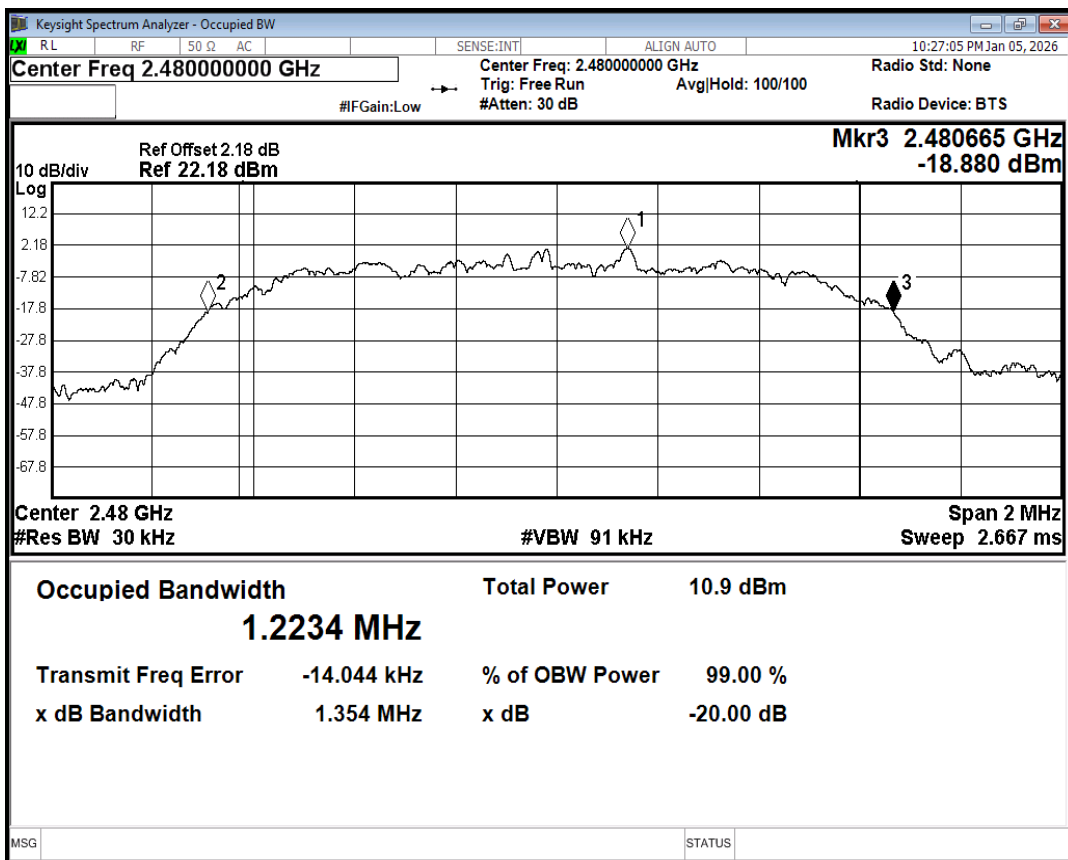
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



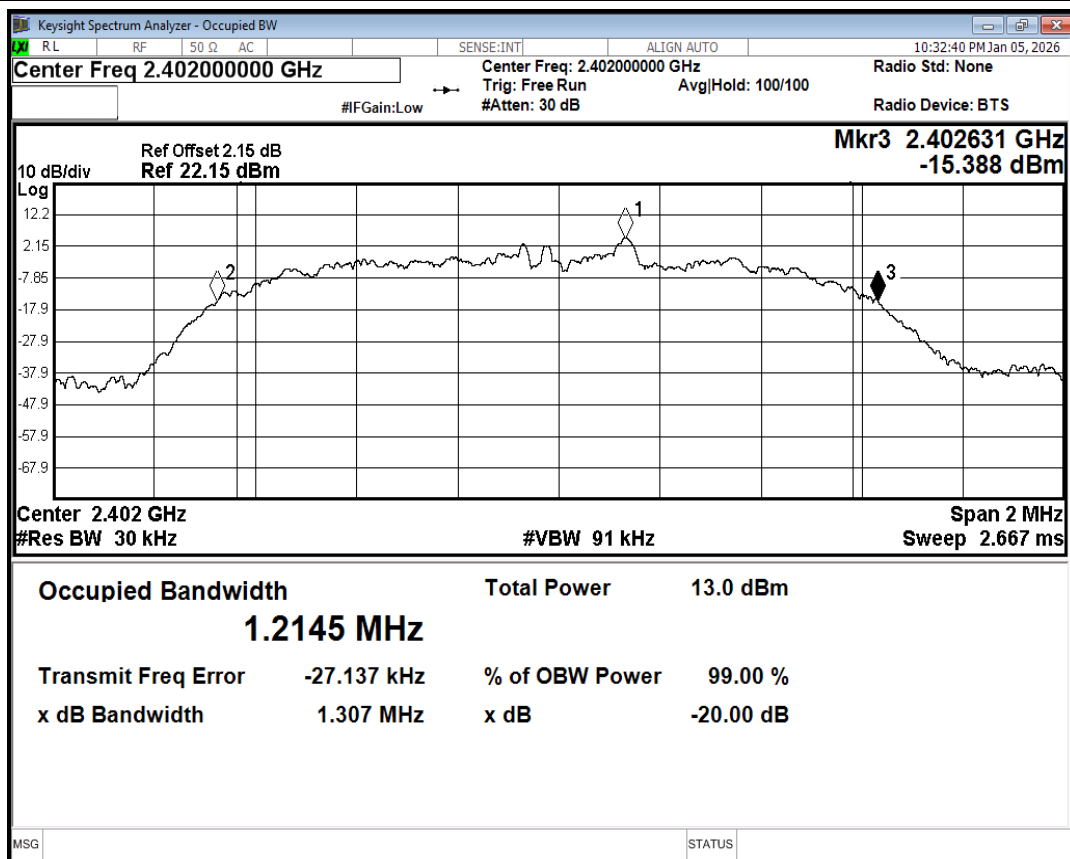
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



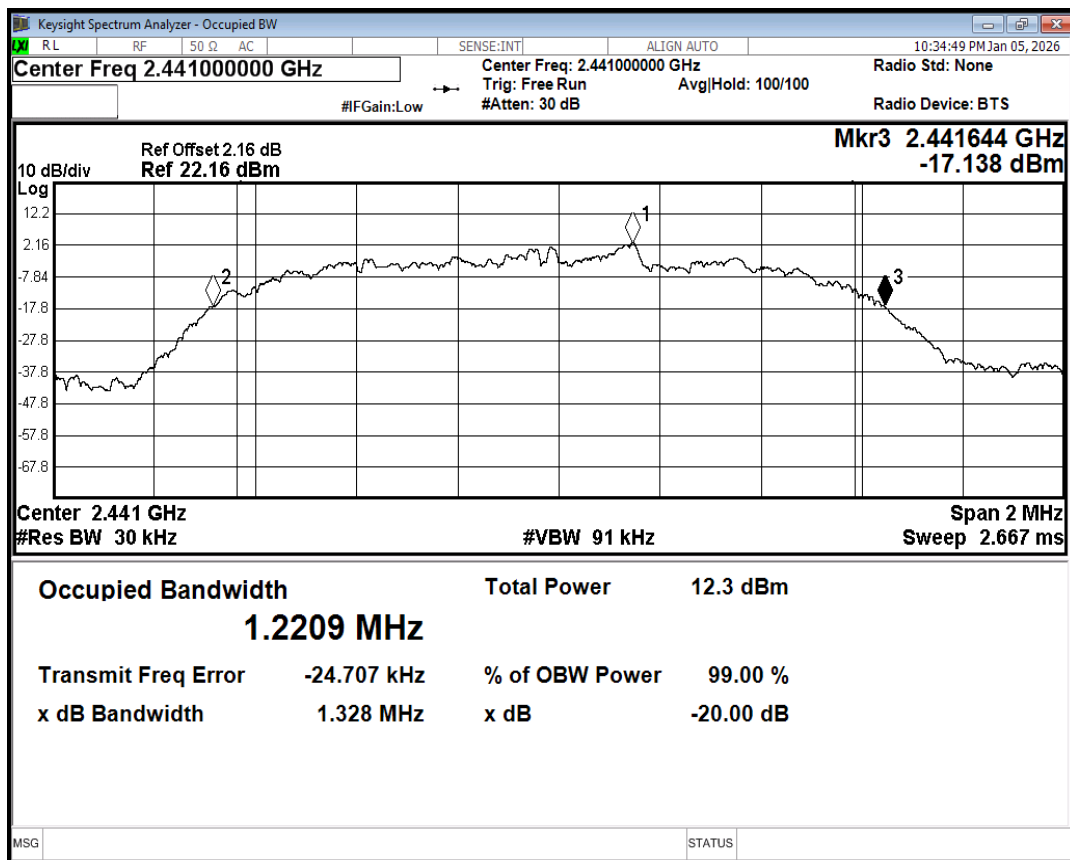
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



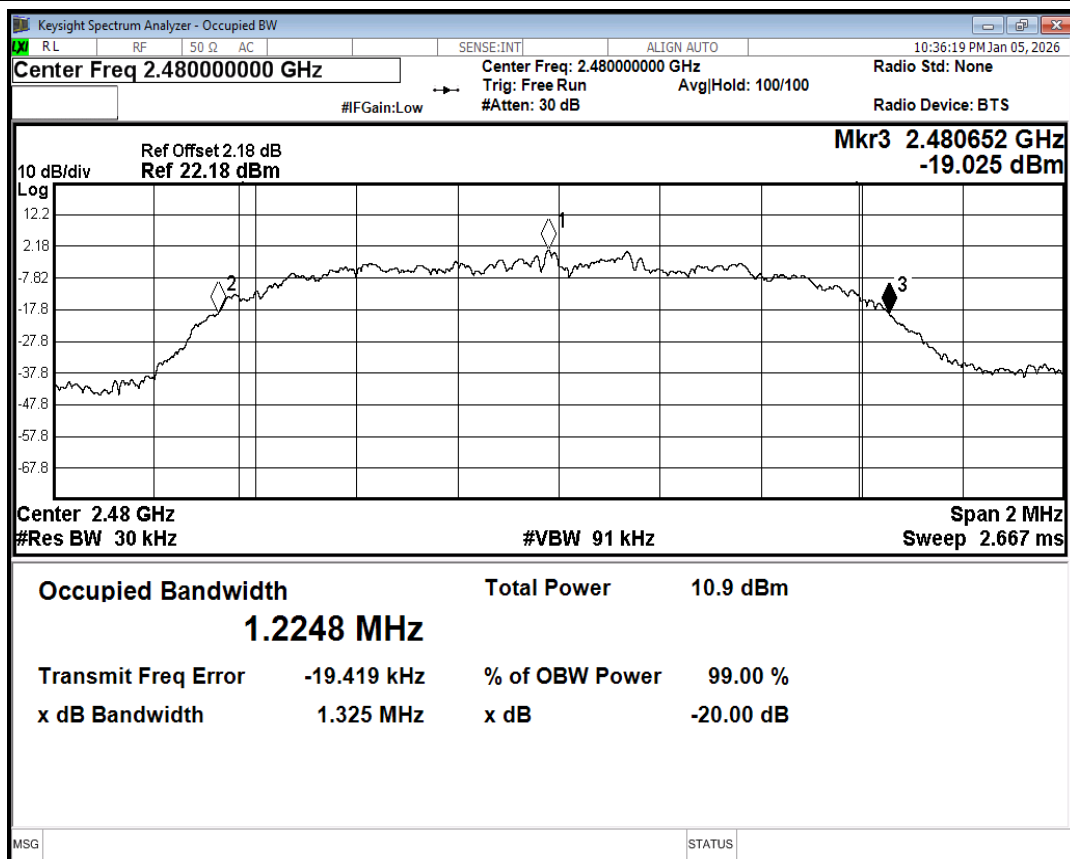
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

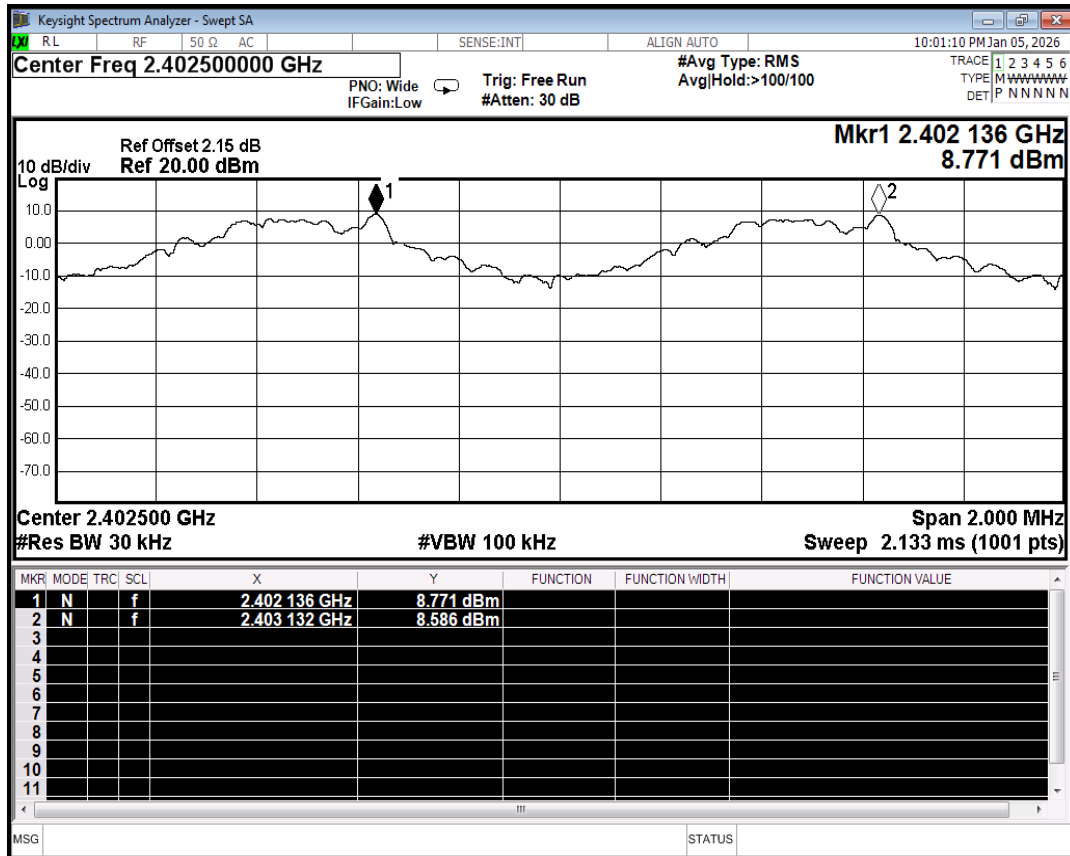
2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	9.63	30	Pass
NVNT	1-DH5	2441	Ant1	9.16	30	Pass
NVNT	1-DH5	2480	Ant1	8	30	Pass
NVNT	2-DH5	2402	Ant1	7.85	30	Pass
NVNT	2-DH5	2441	Ant1	7.33	30	Pass
NVNT	2-DH5	2480	Ant1	6.08	30	Pass
NVNT	3-DH5	2402	Ant1	8.21	30	Pass
NVNT	3-DH5	2441	Ant1	7.71	30	Pass
NVNT	3-DH5	2480	Ant1	6.48	30	Pass

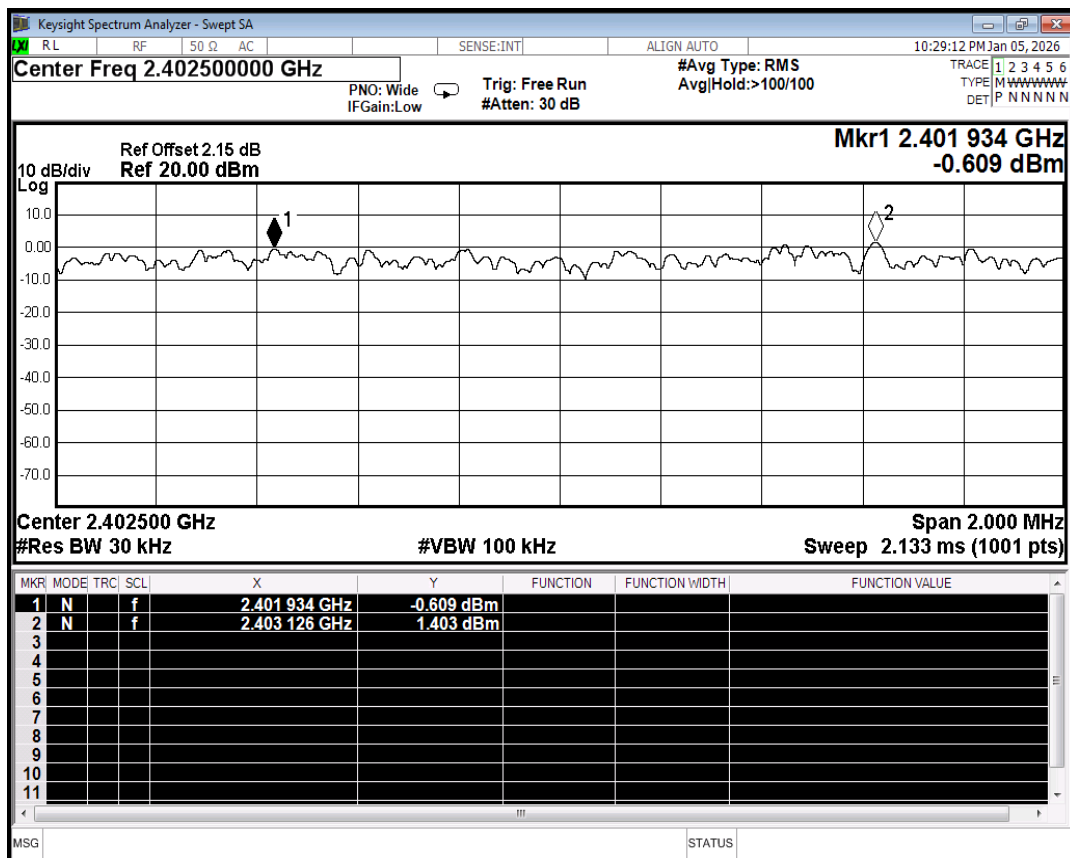


3 Carrier Frequencies Separation

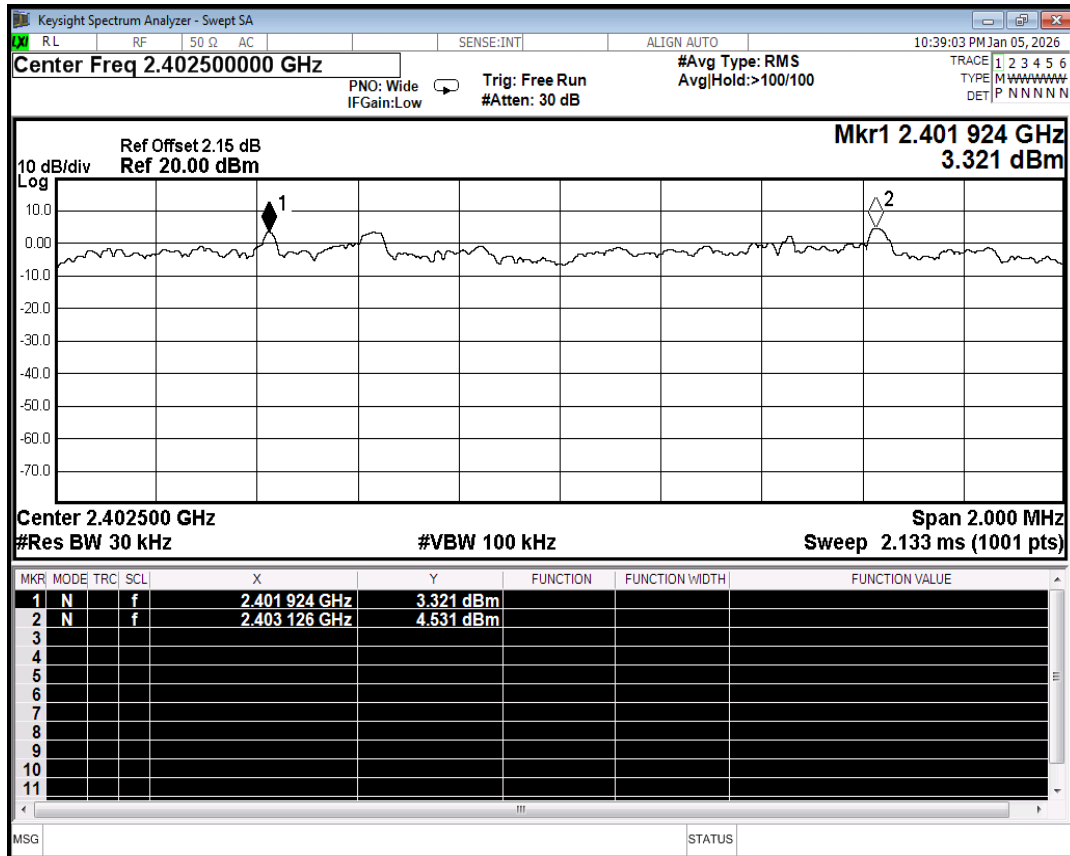
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.136	2403.132	0.996	0.693	Pass
NVNT	2-DH5	Ant1	2401.934	2403.126	1.192	0.903	Pass
NVNT	3-DH5	Ant1	2401.924	2403.126	1.202	0.885	Pass



CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

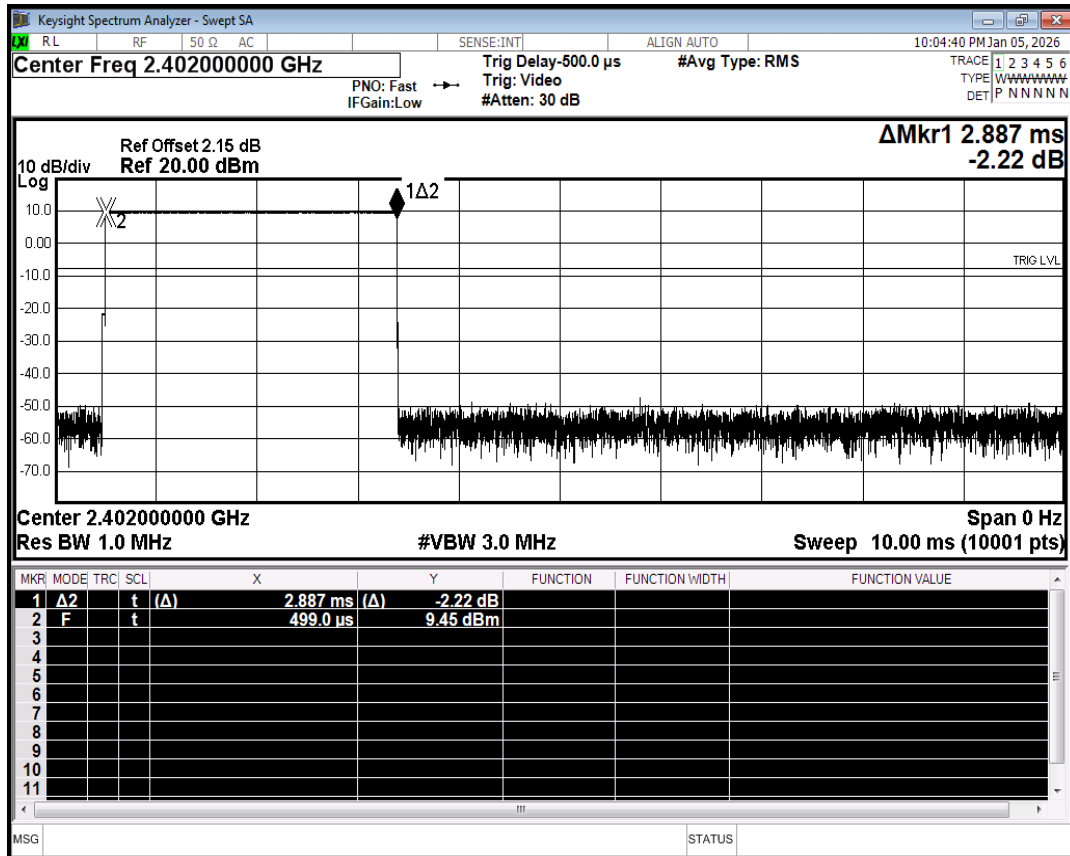


CFS NVNT 3-DH5 2402MHz Ant1

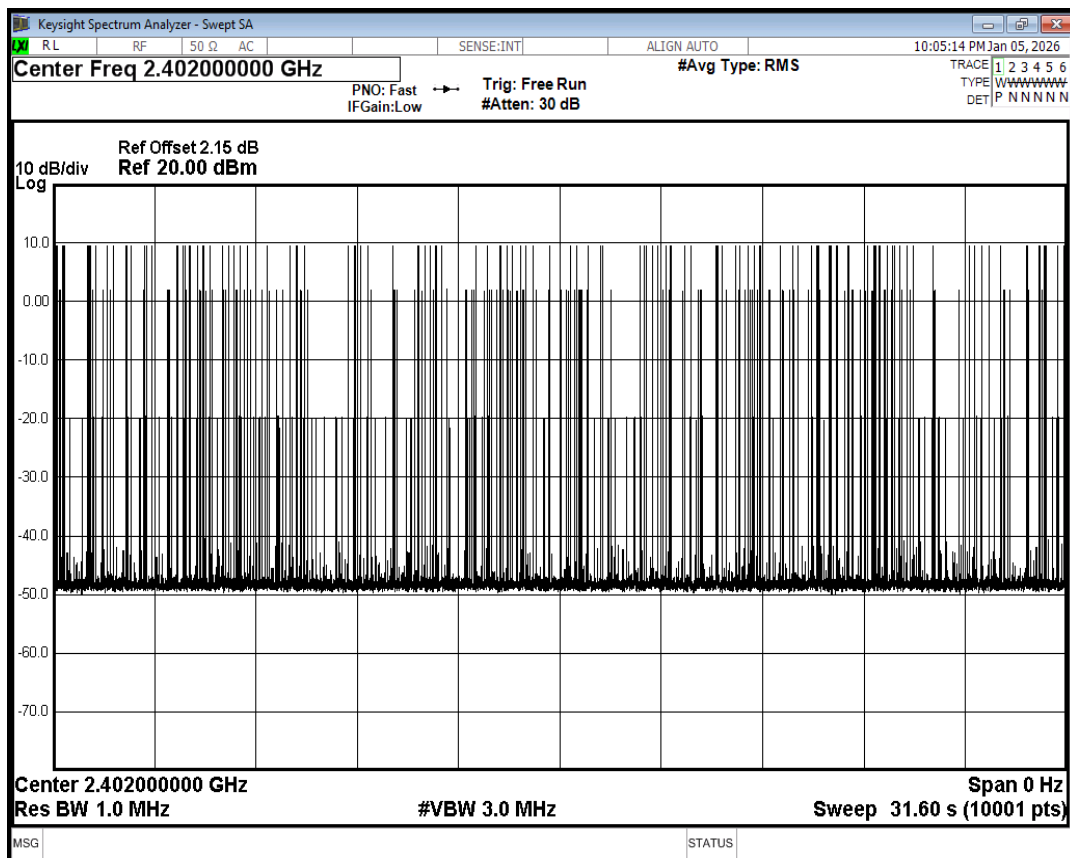


4 Dwell Time

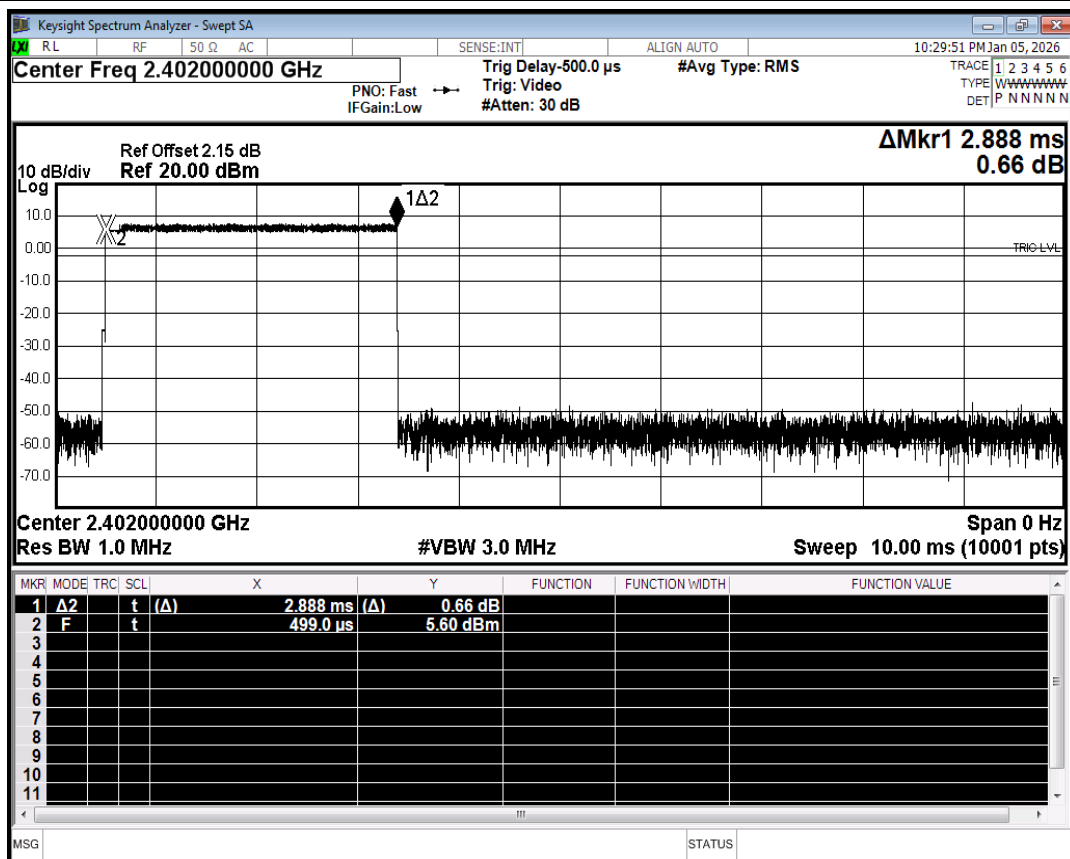
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.887	320.457	111	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.888	306.128	106	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.881	296.743	103	31600	400	Pass



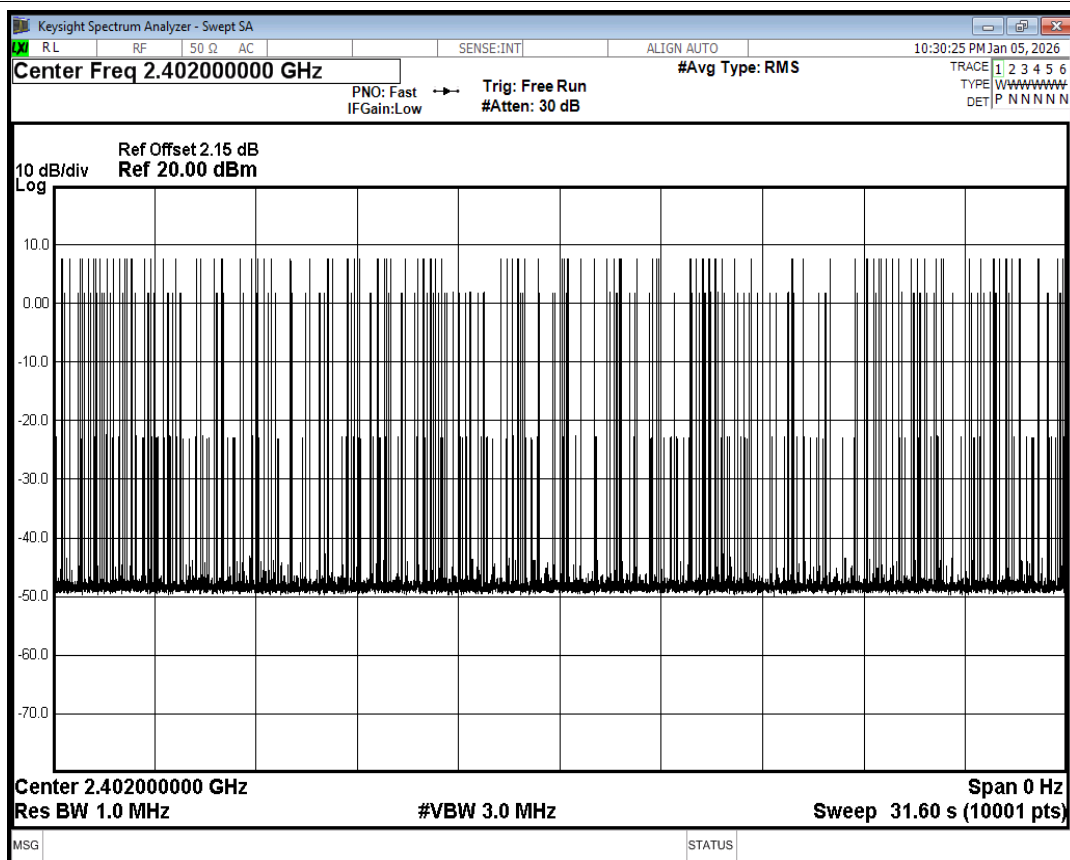
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



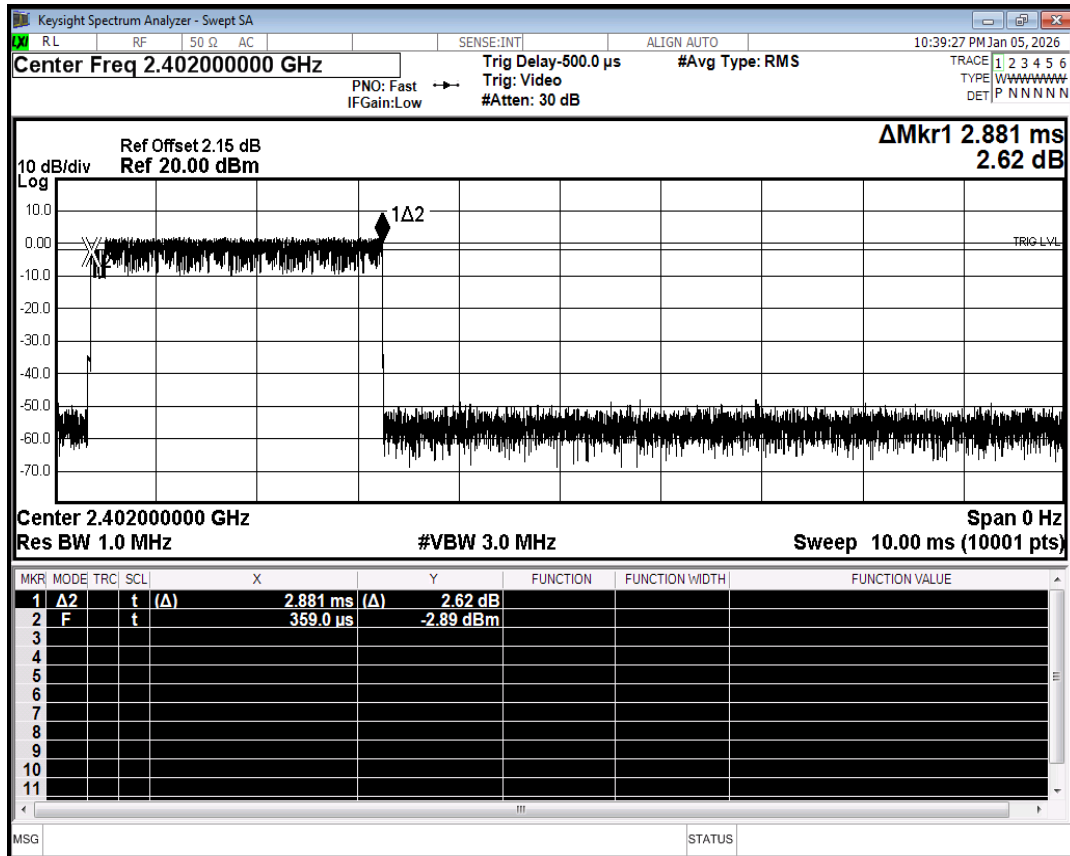
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



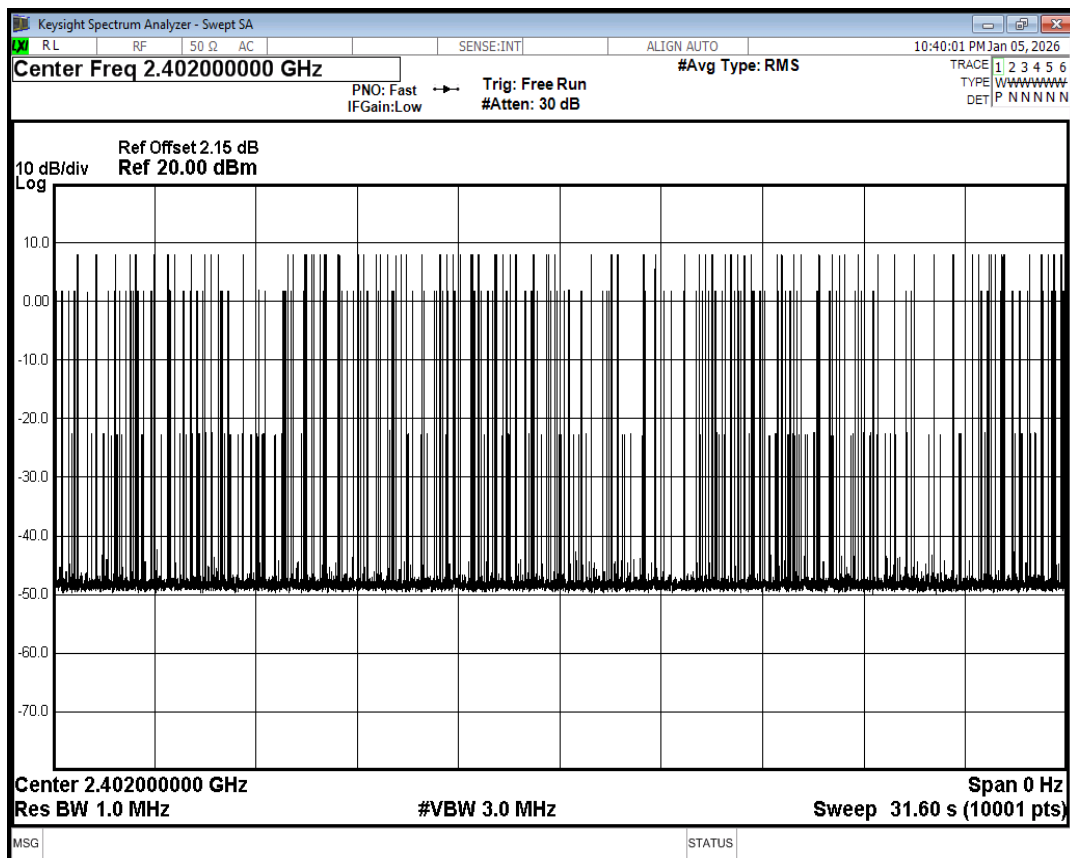
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

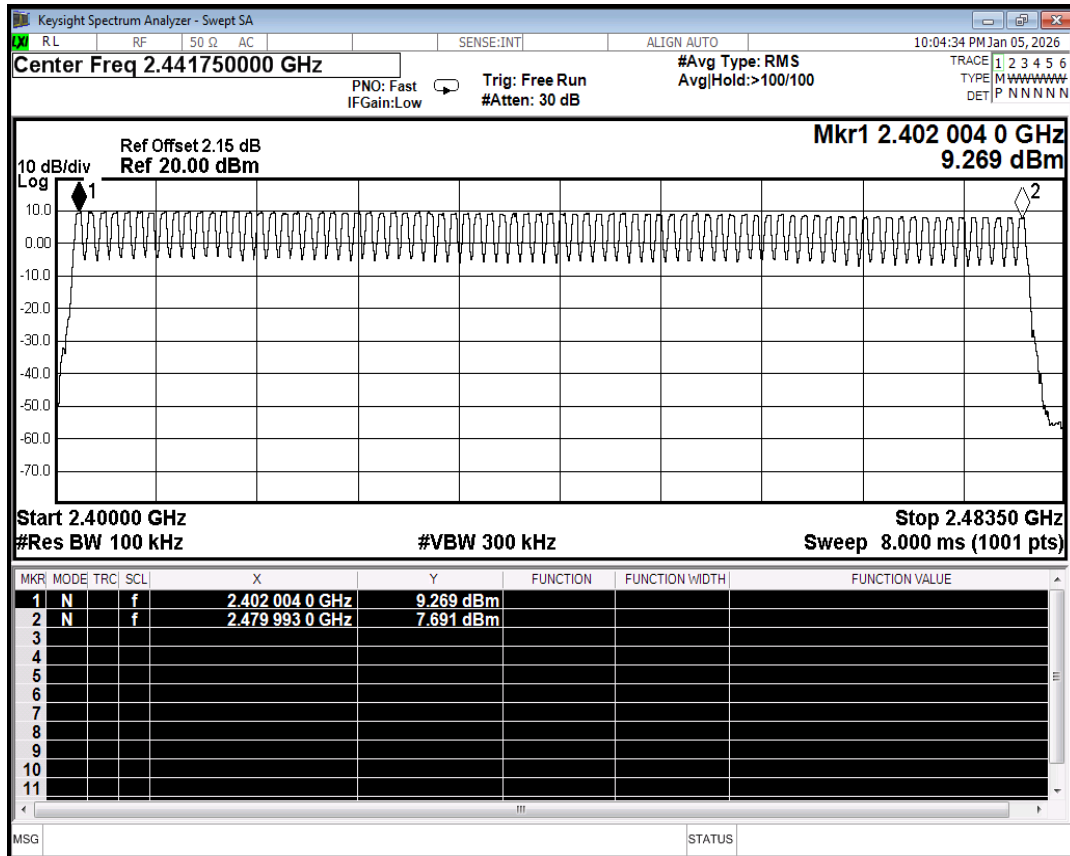


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

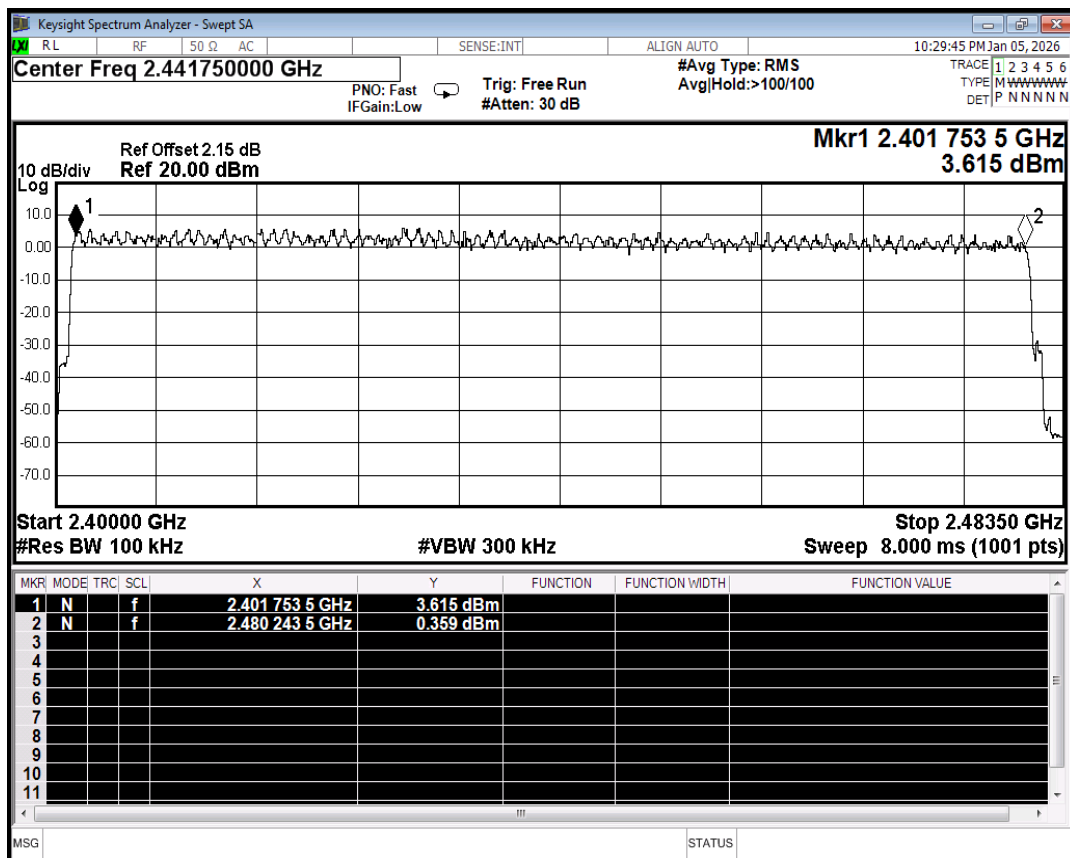


5 Number of Hopping Channel

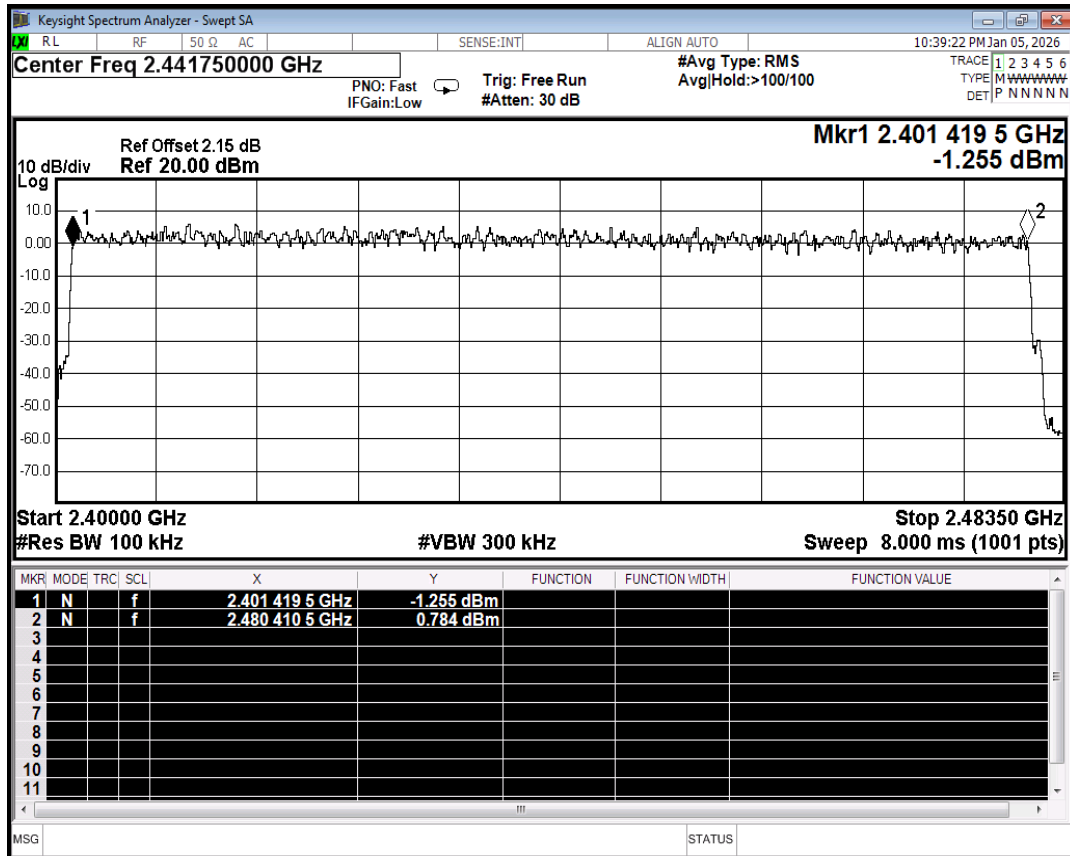
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

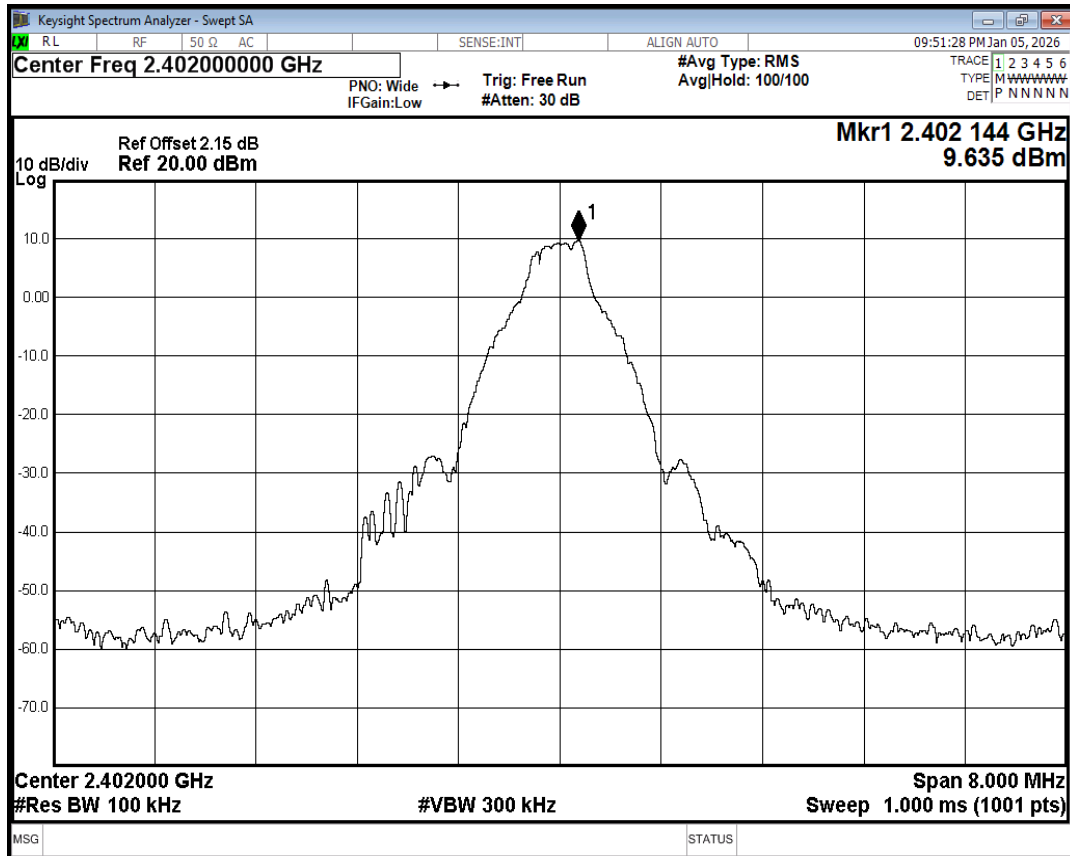


Hopping No. NVNT 3-DH5 2402MHz Ant1

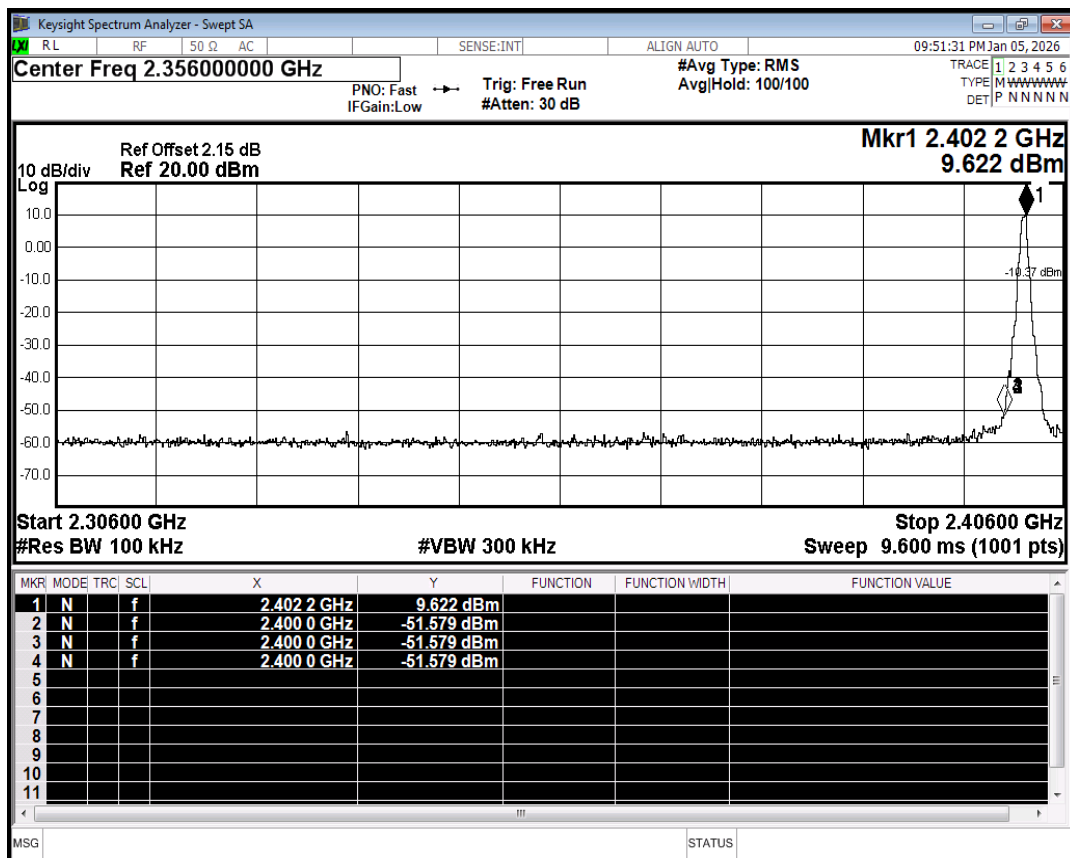


6 Band Edge

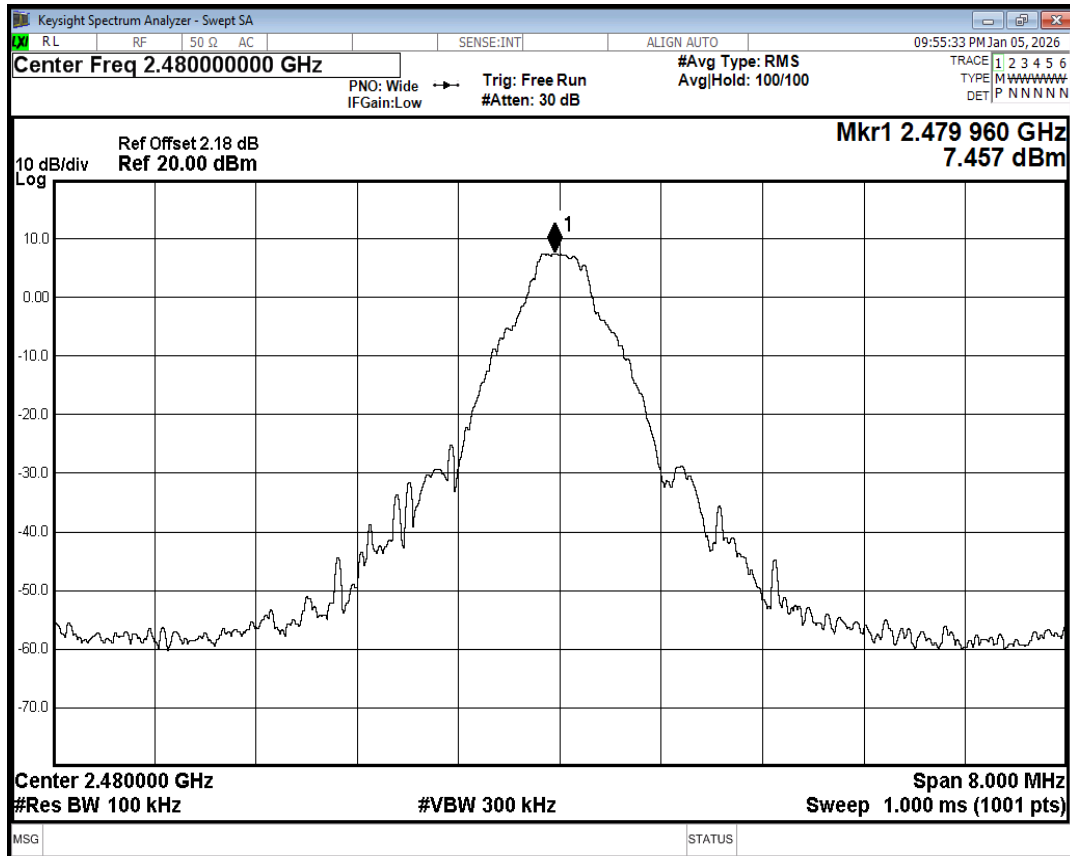
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-61.21	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-63.66	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-58.44	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-59.75	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-59.15	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-61	-20	Pass



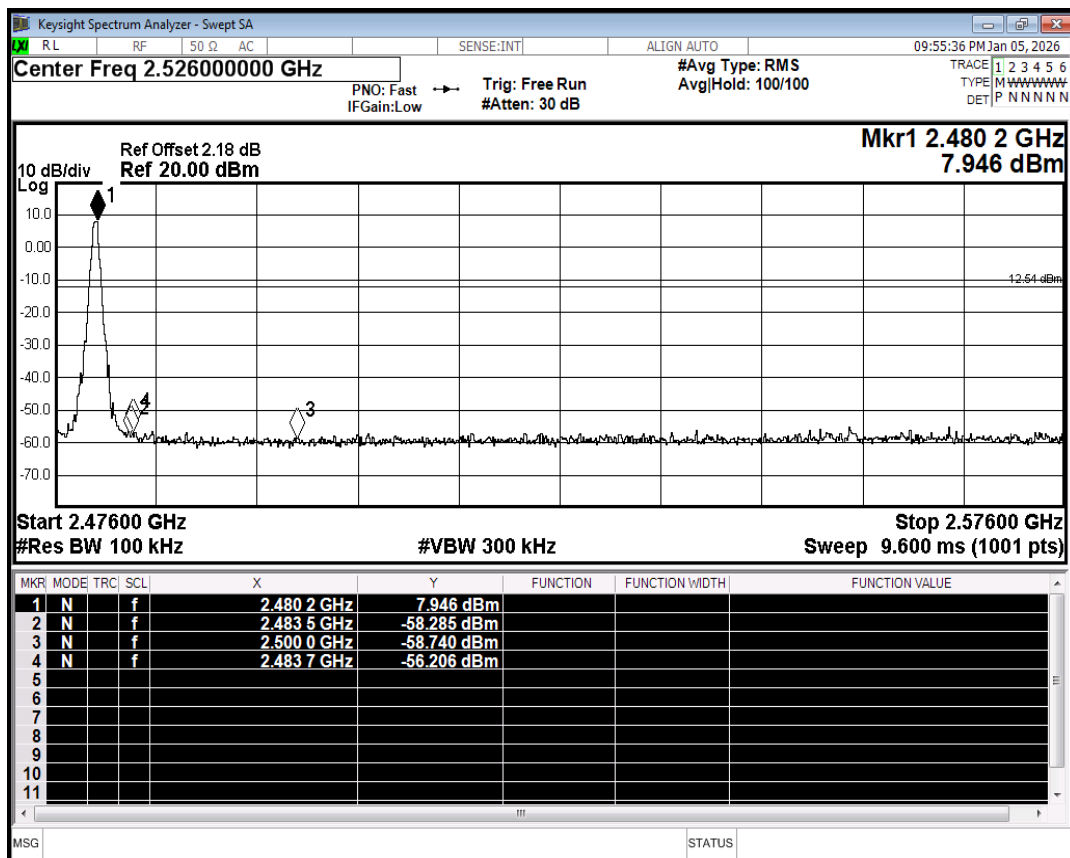
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



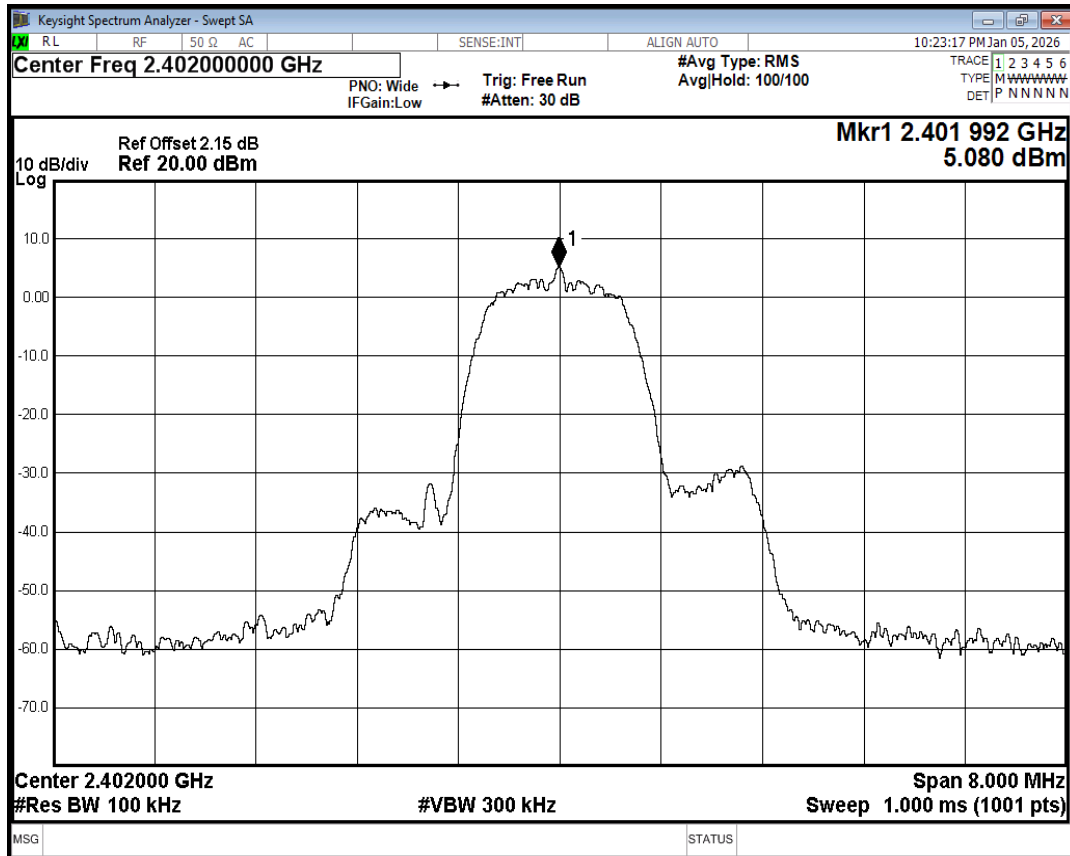
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



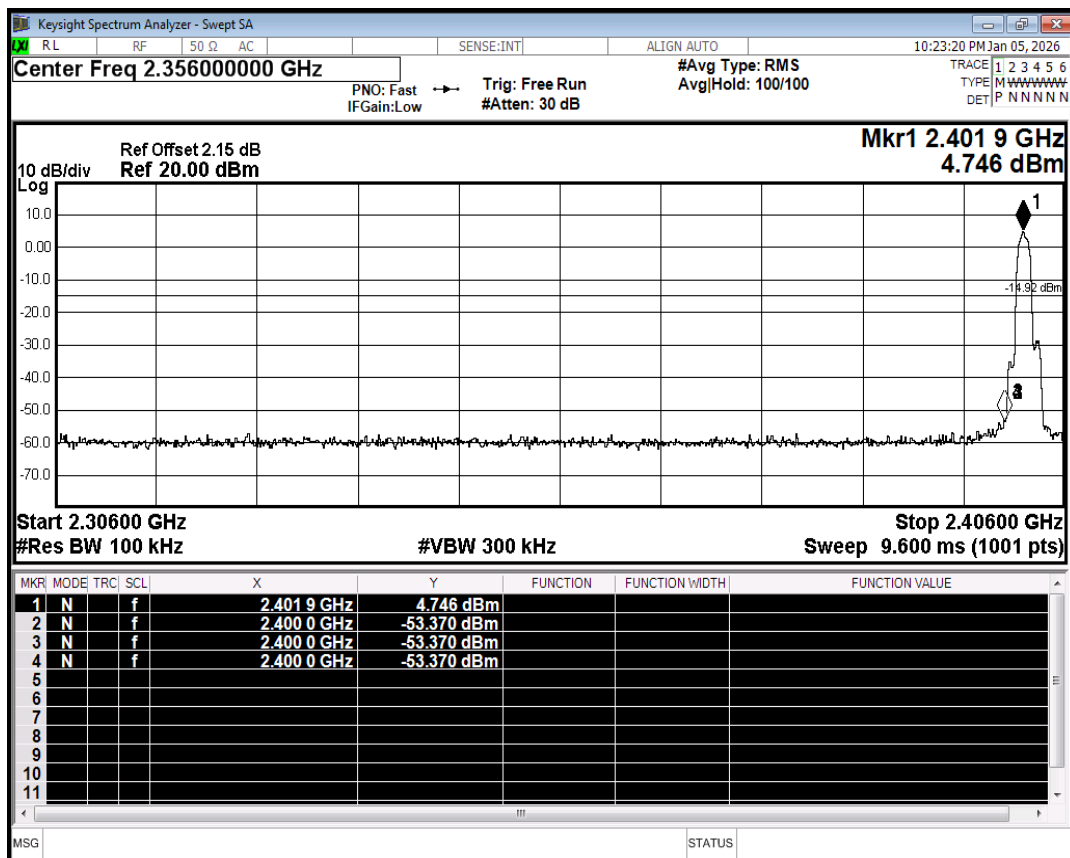
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



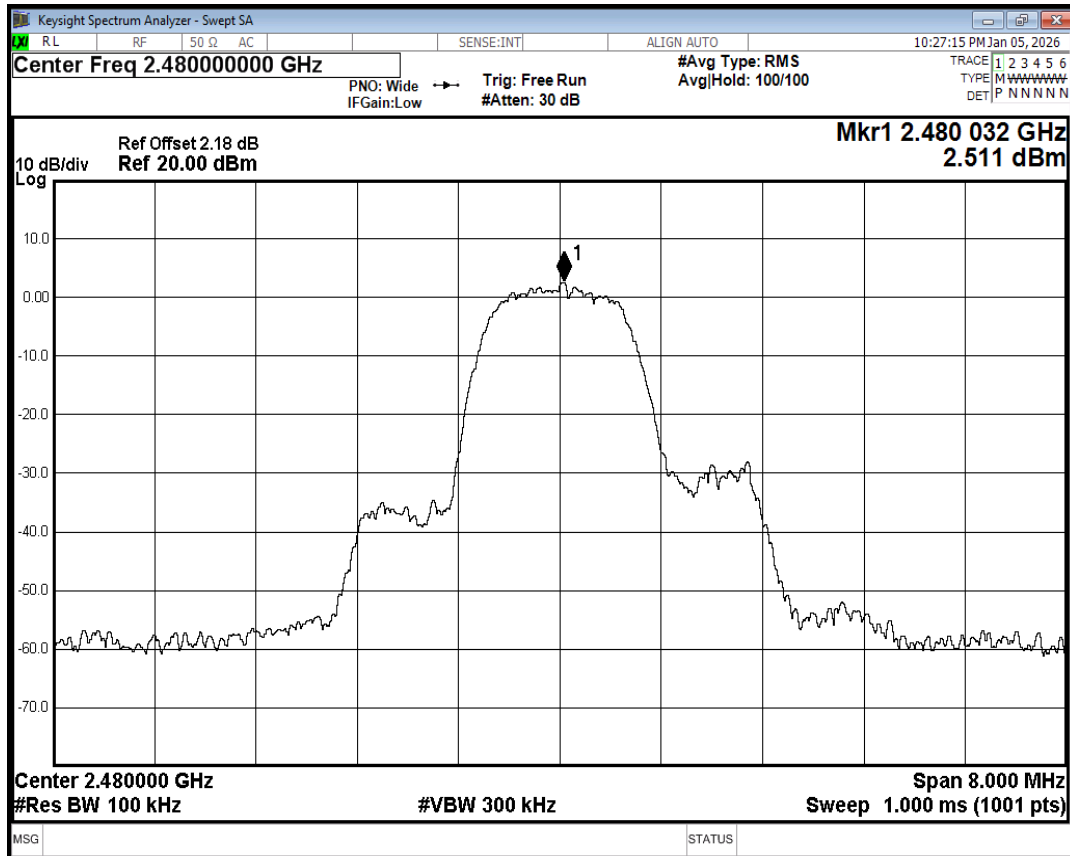
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



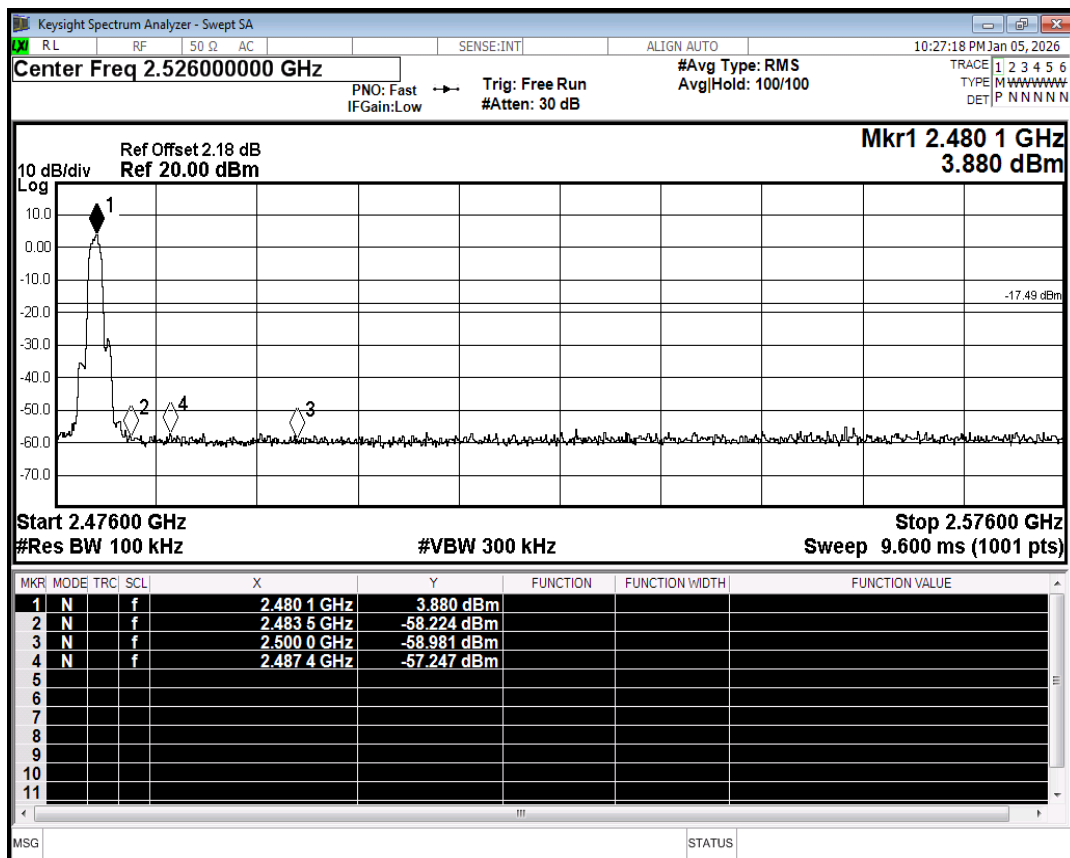
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



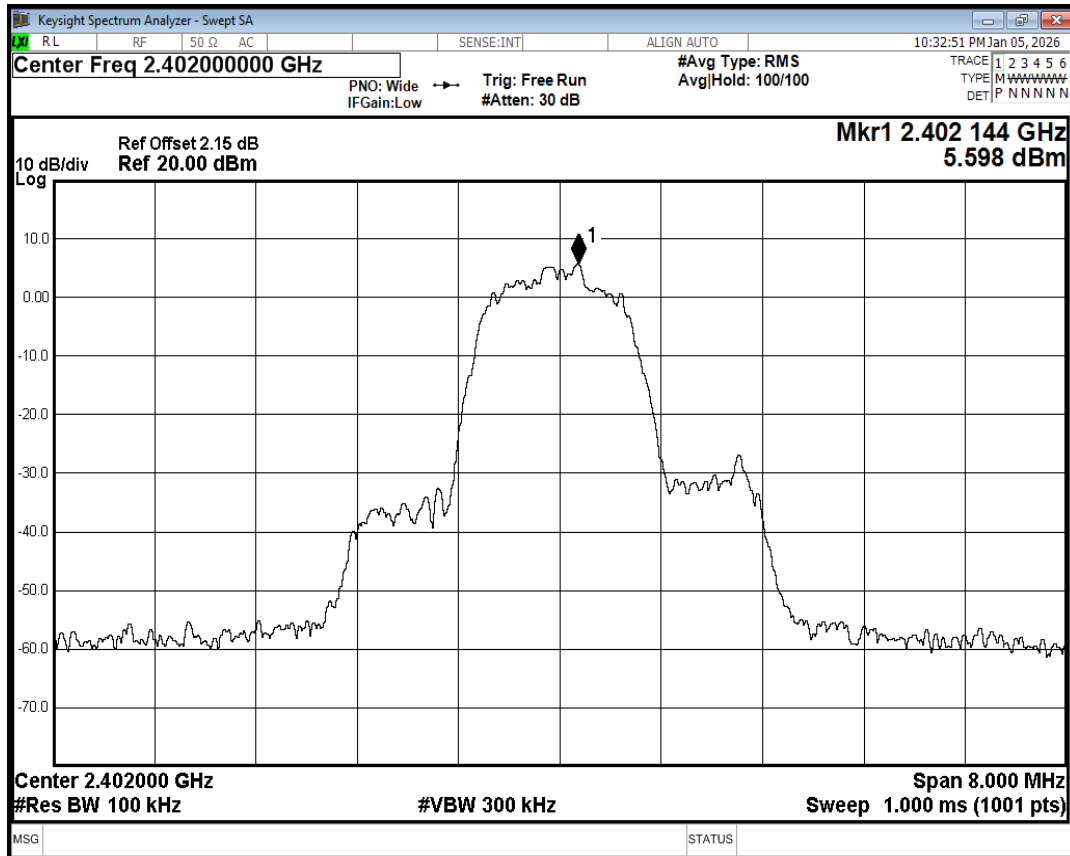
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



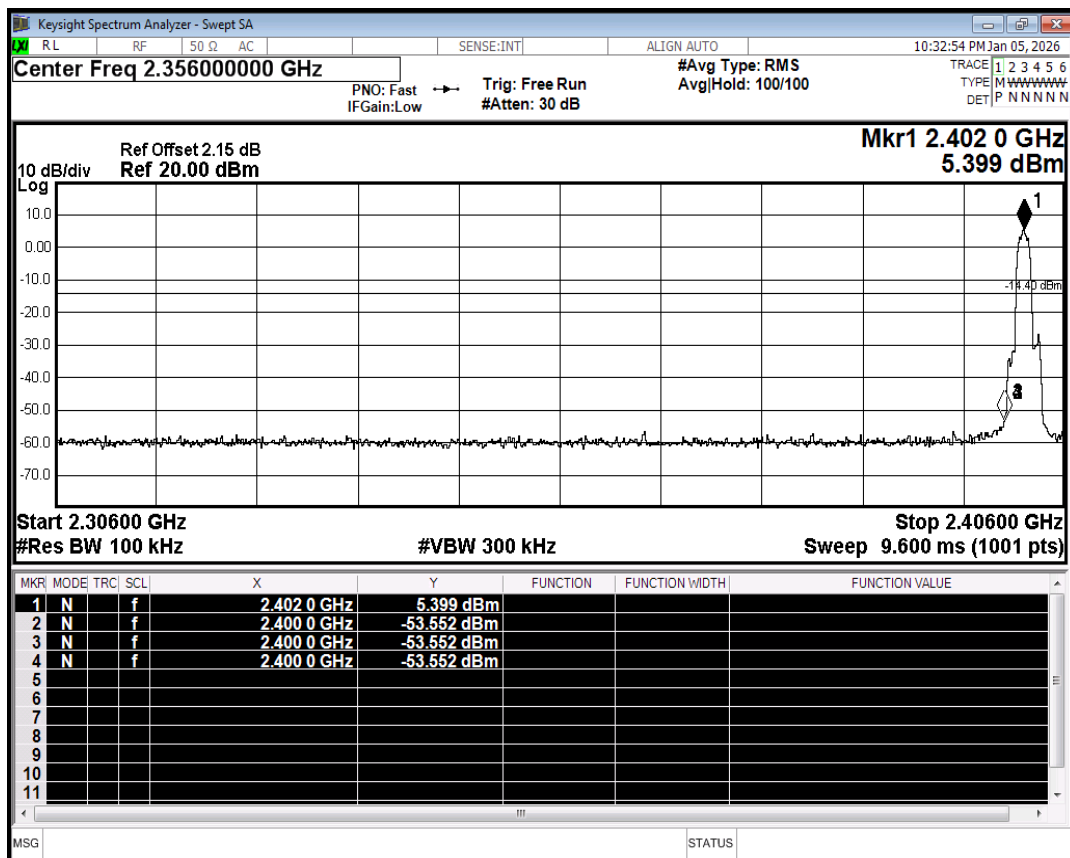
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



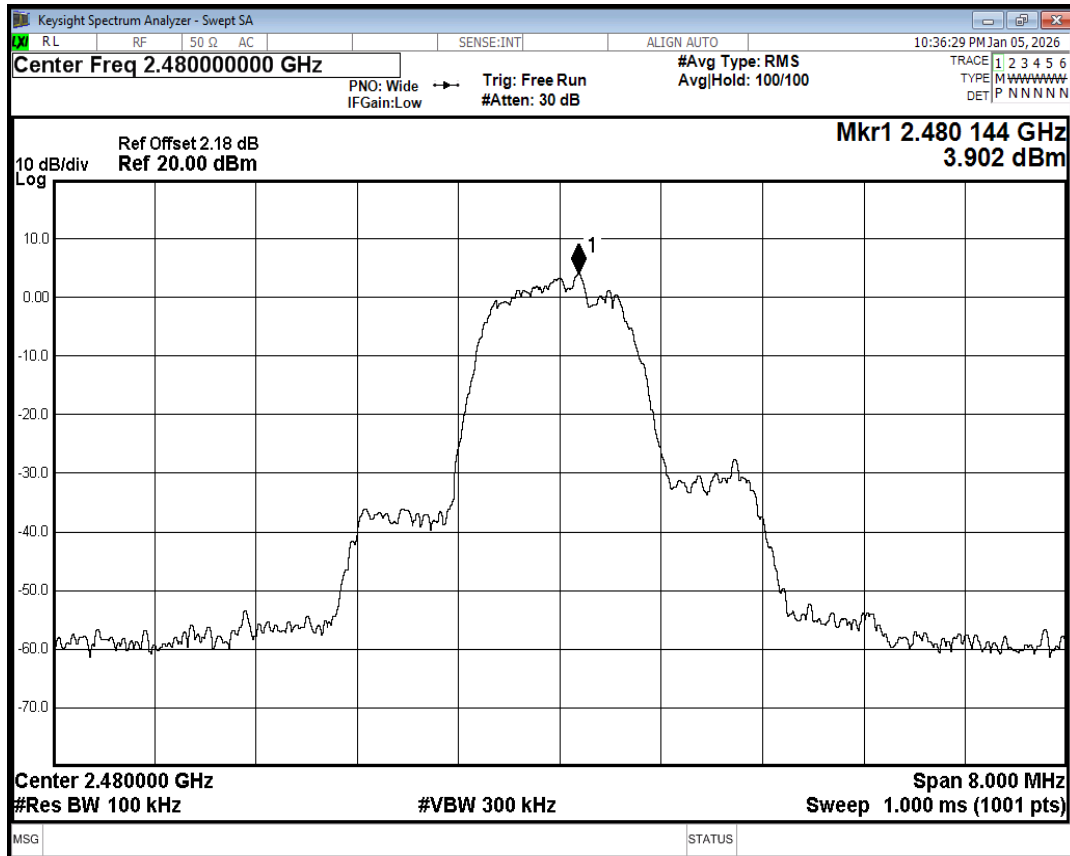
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



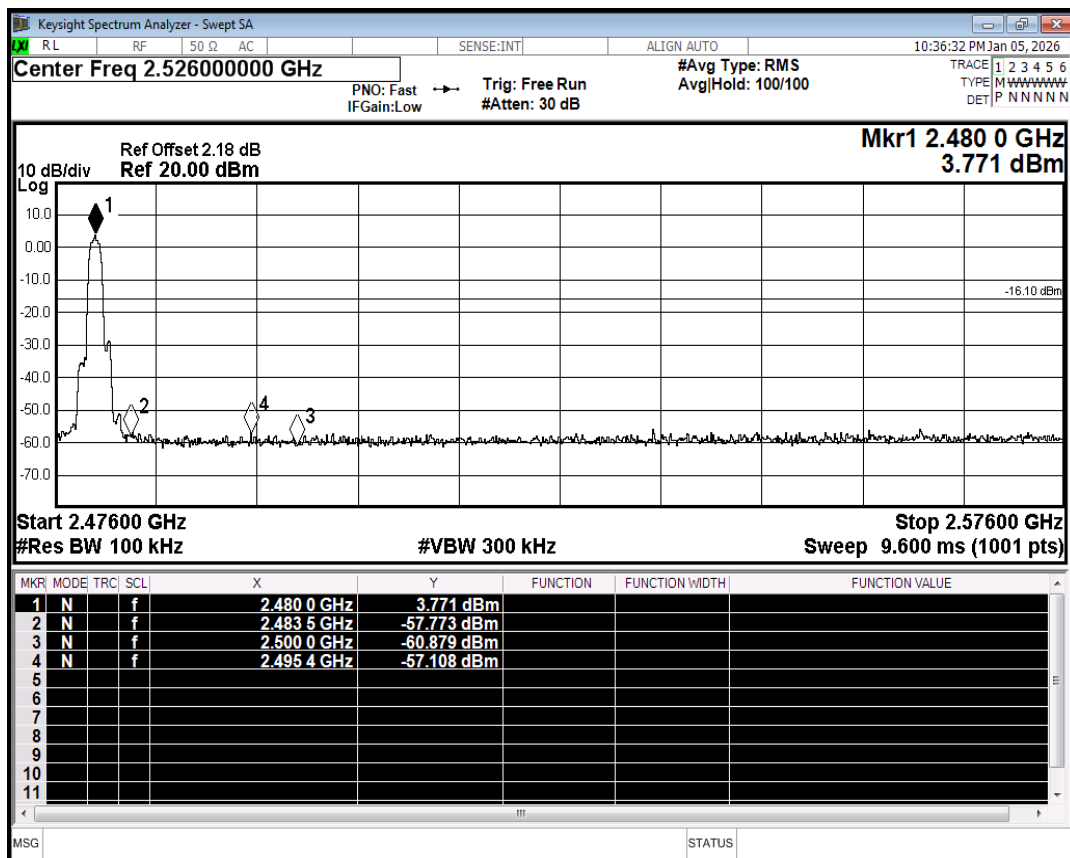
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



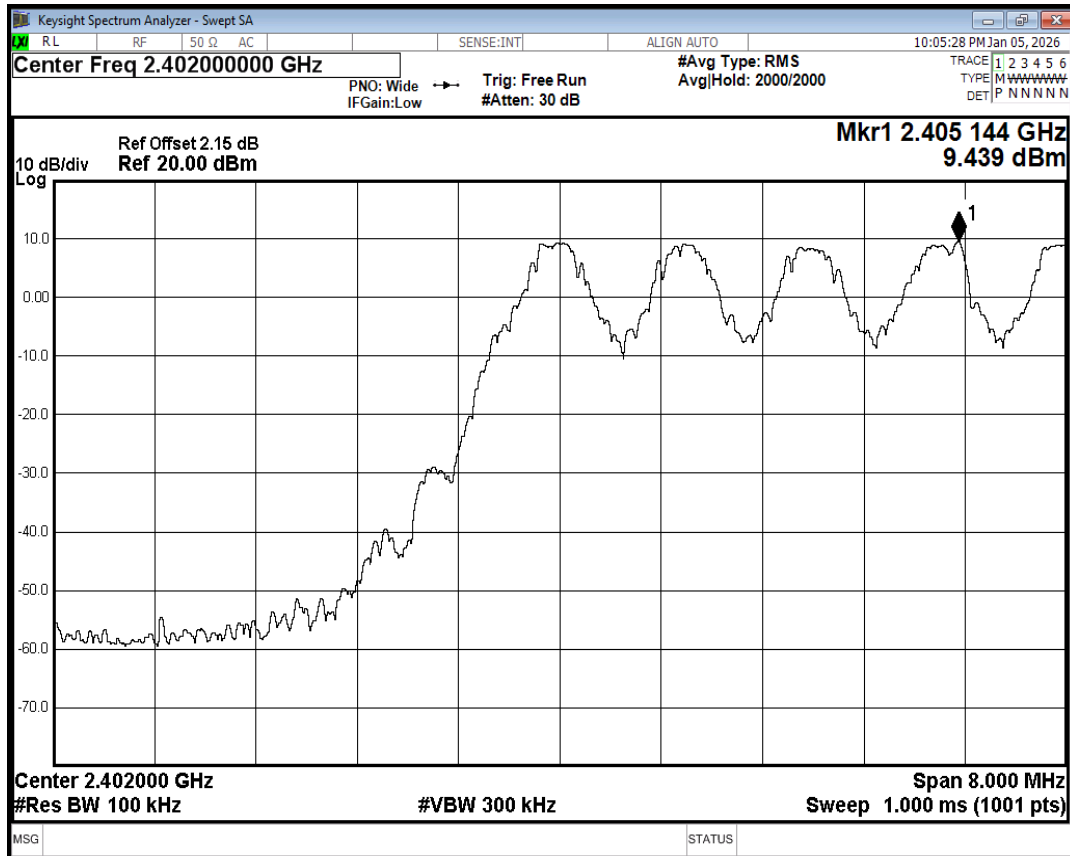
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



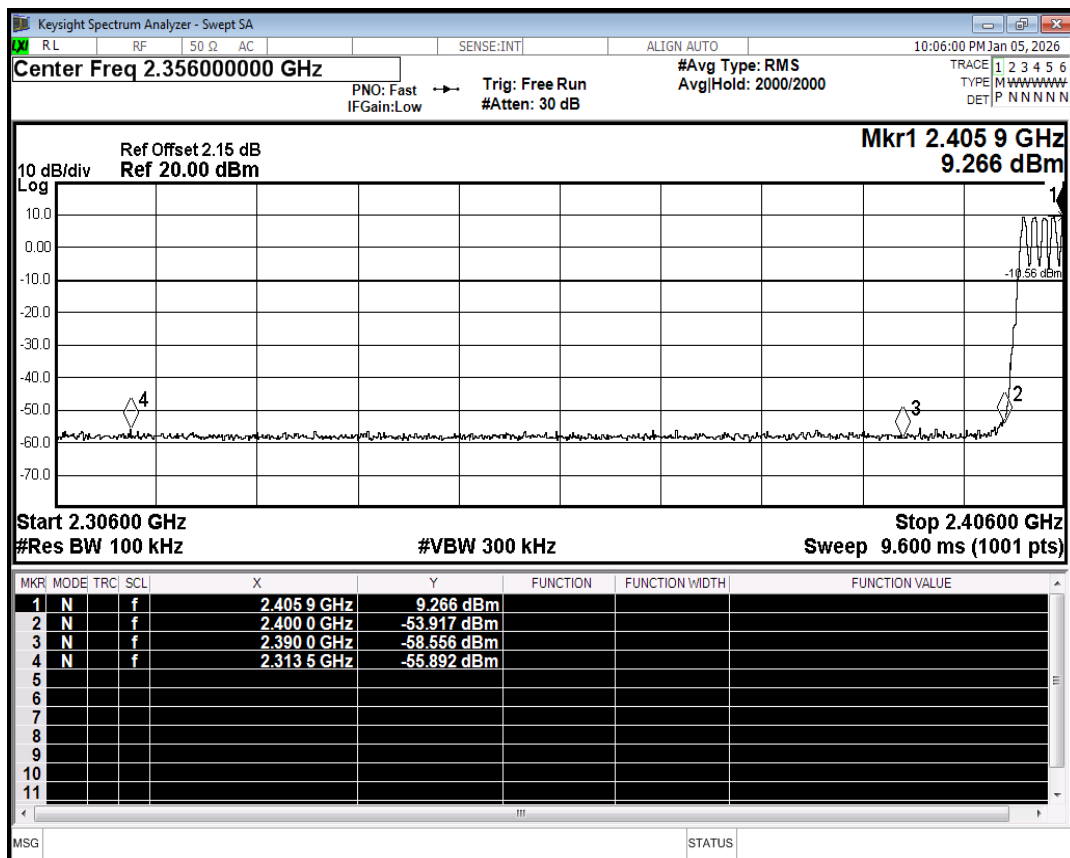
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

(Hopping)

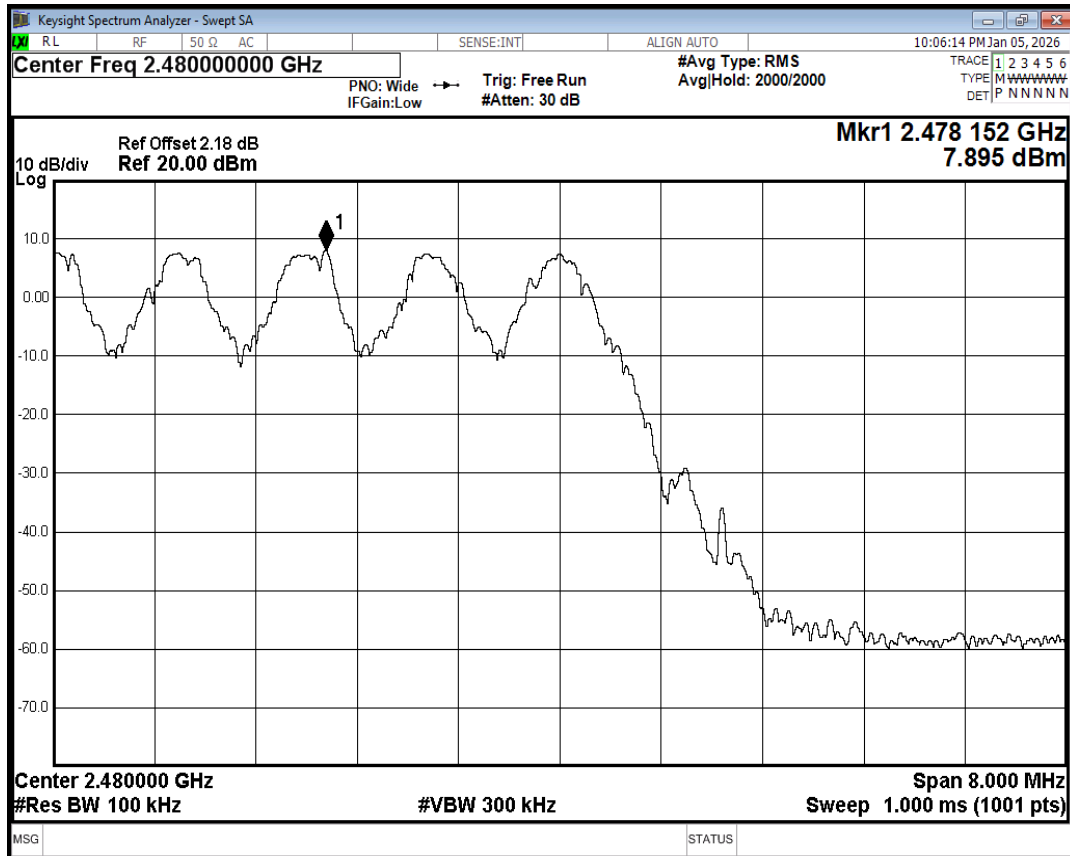
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-65.33	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-62.97	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-61.31	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.27	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-61.39	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-60.09	-20	Pass



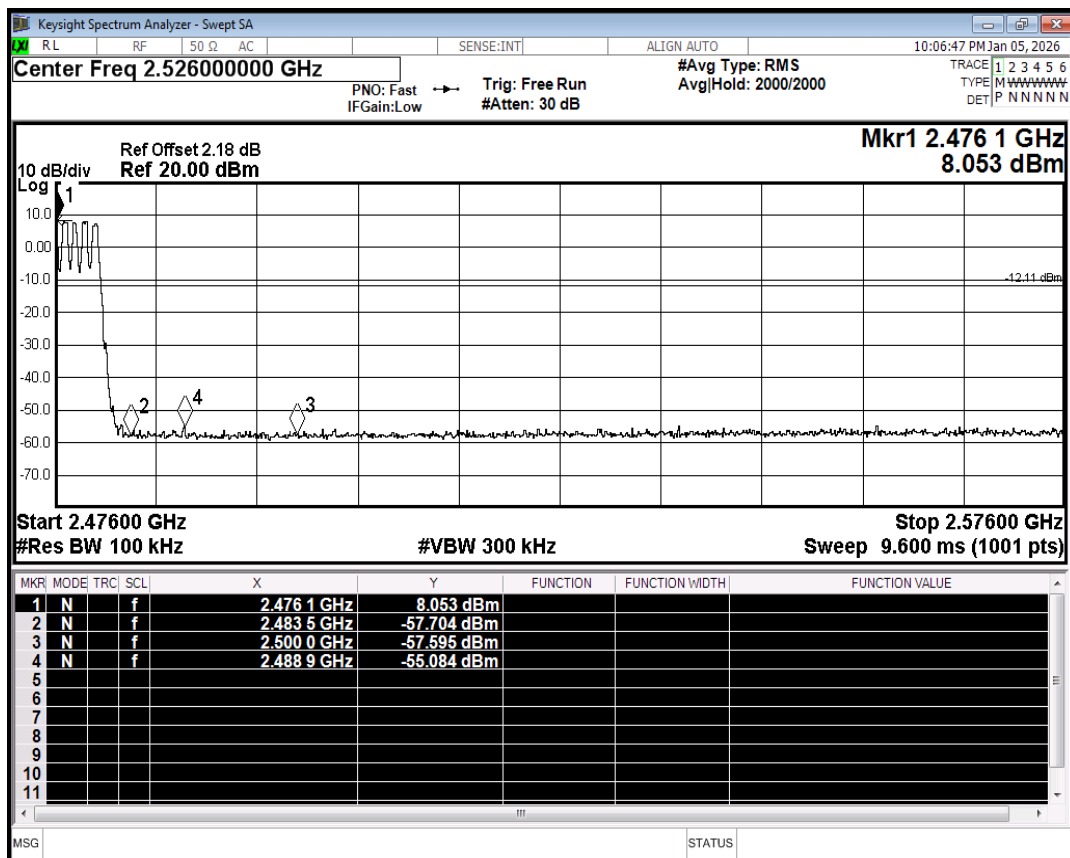
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



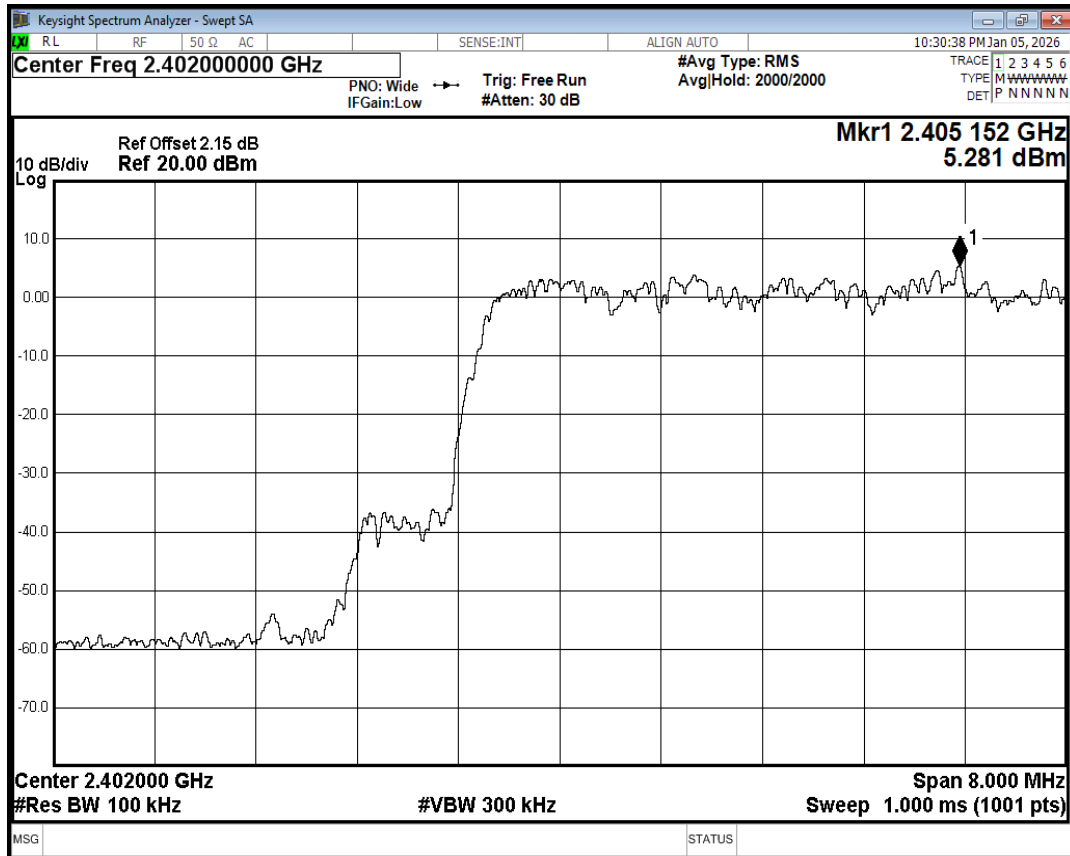
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



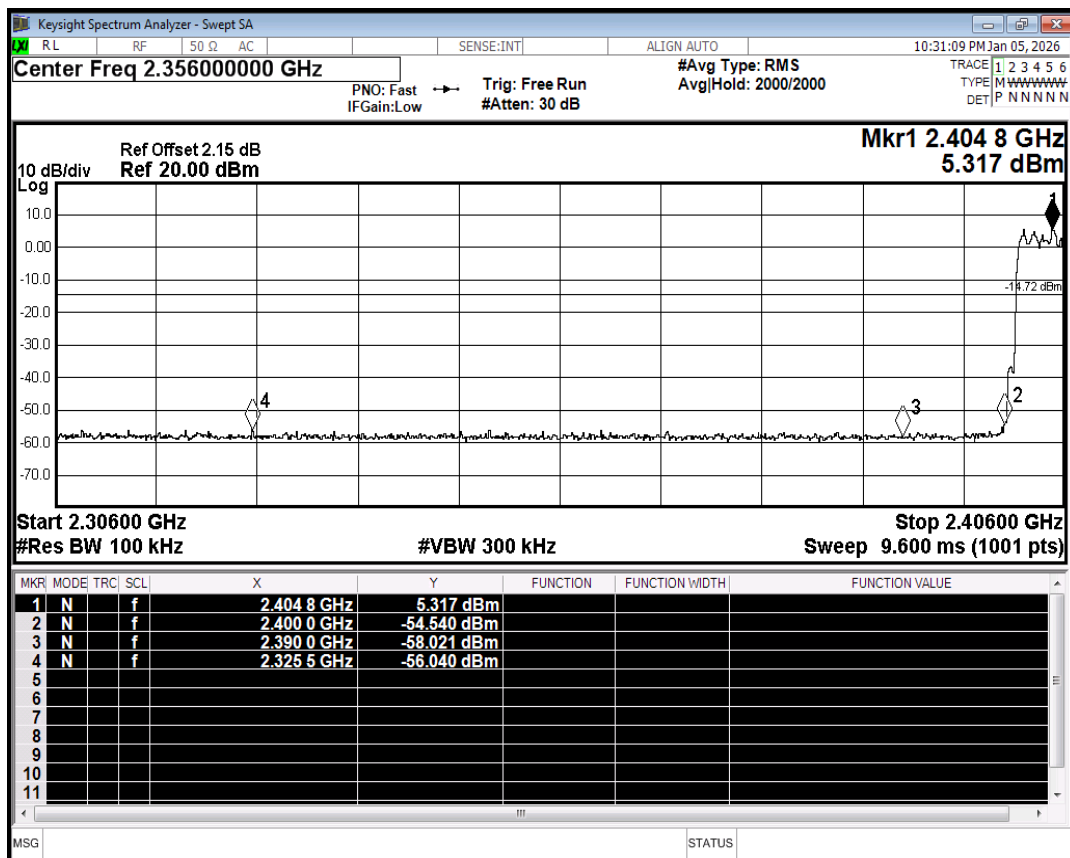
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



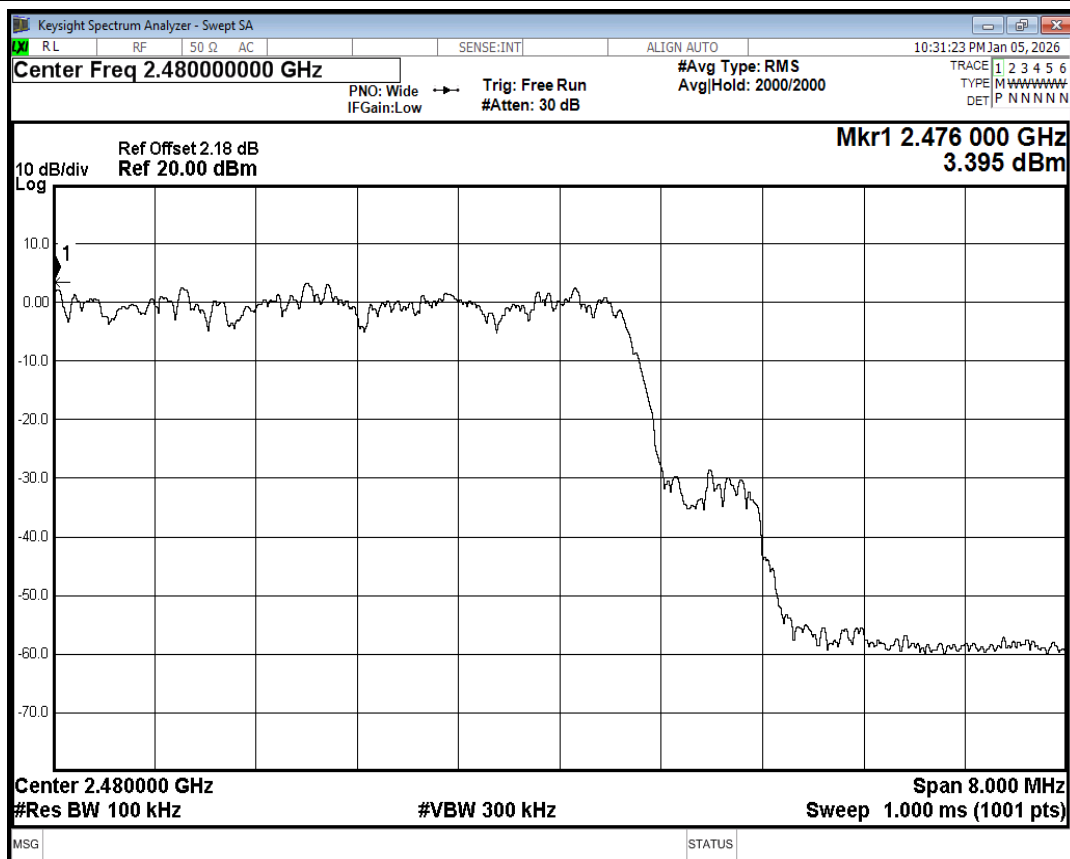
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



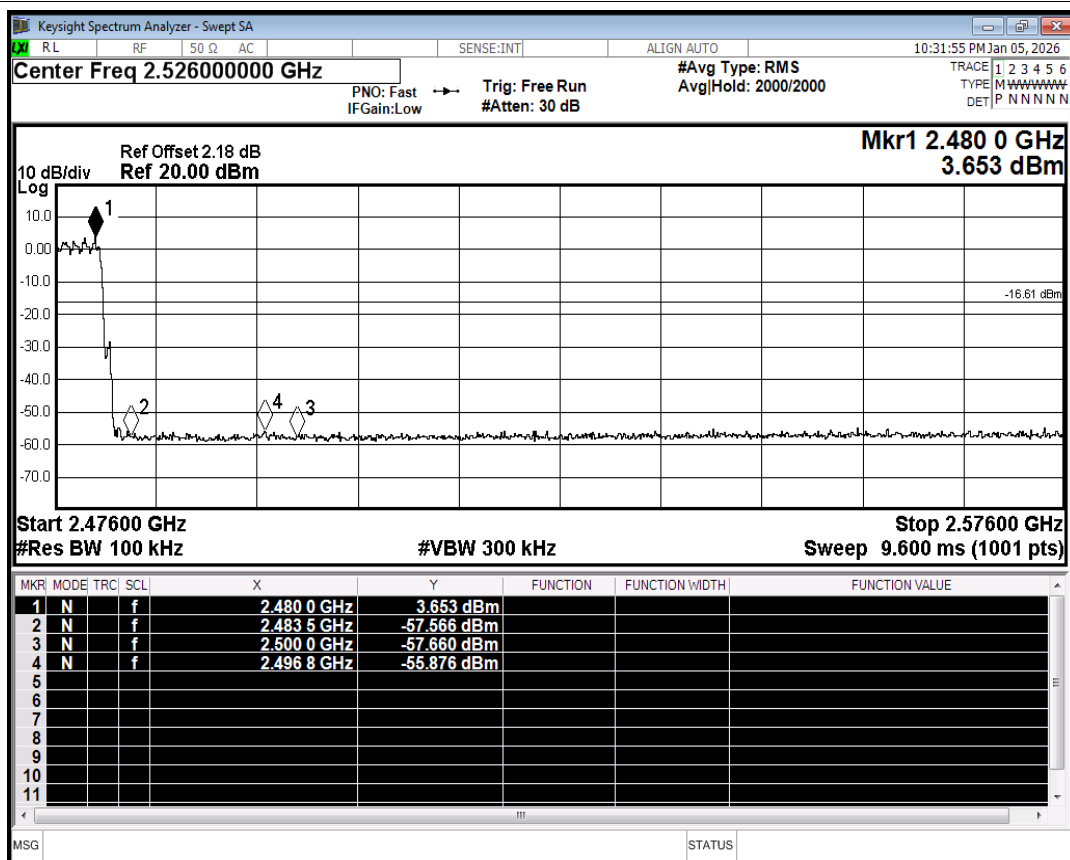
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



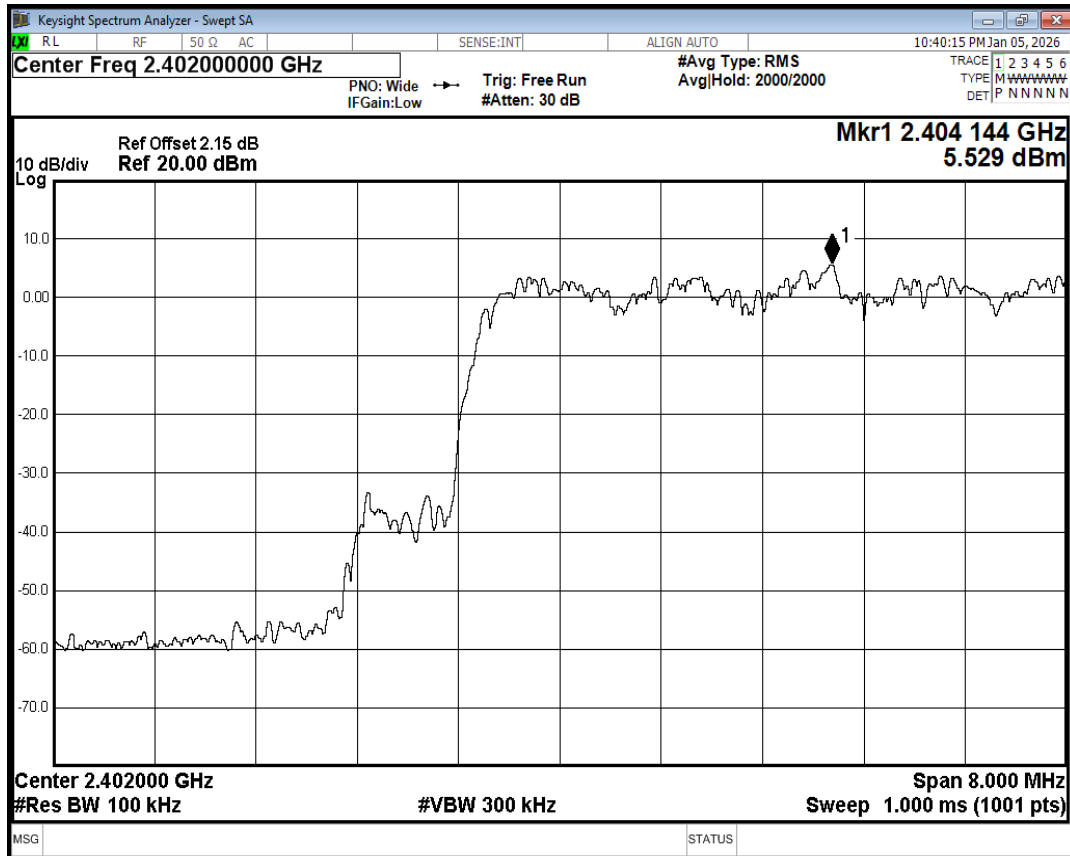
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



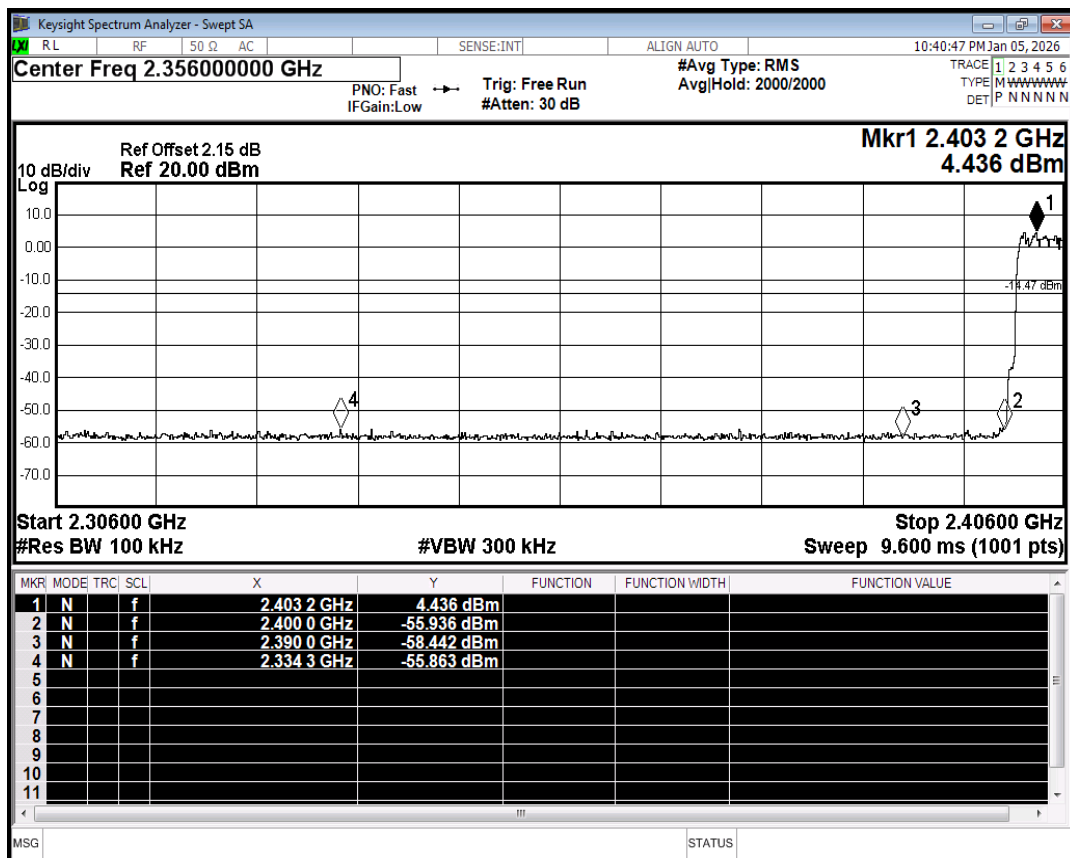
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



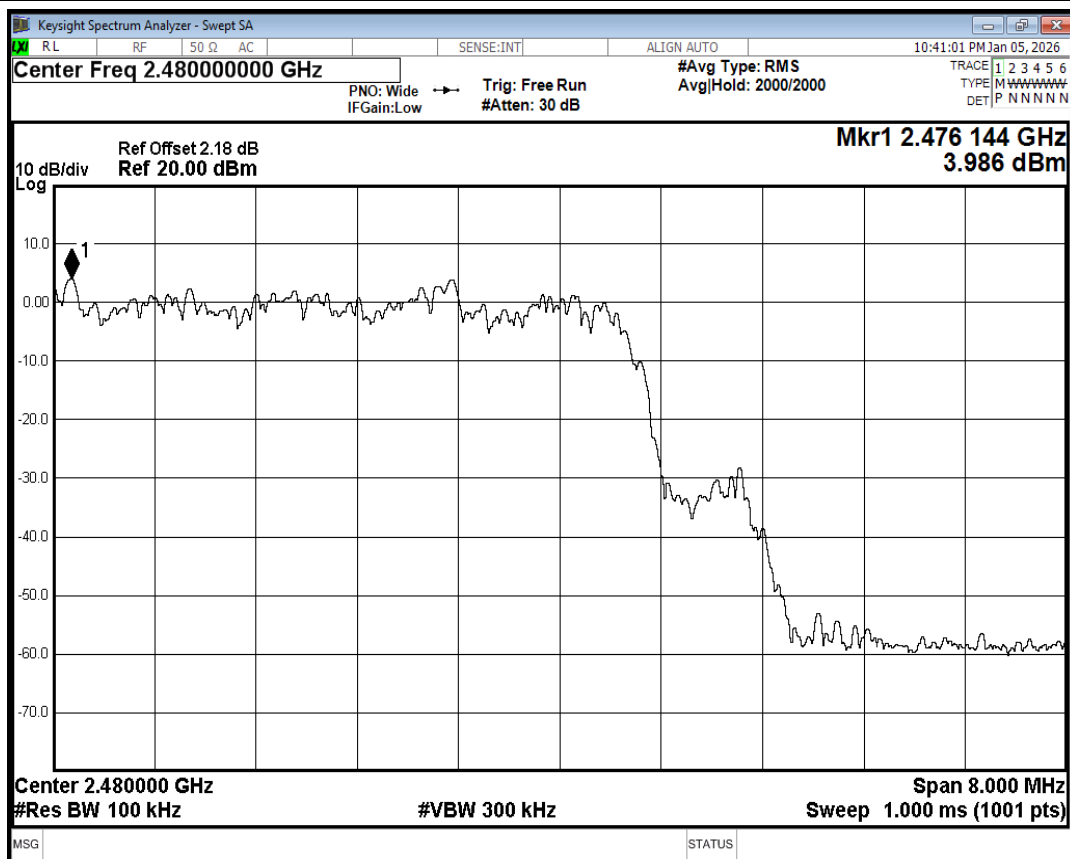
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



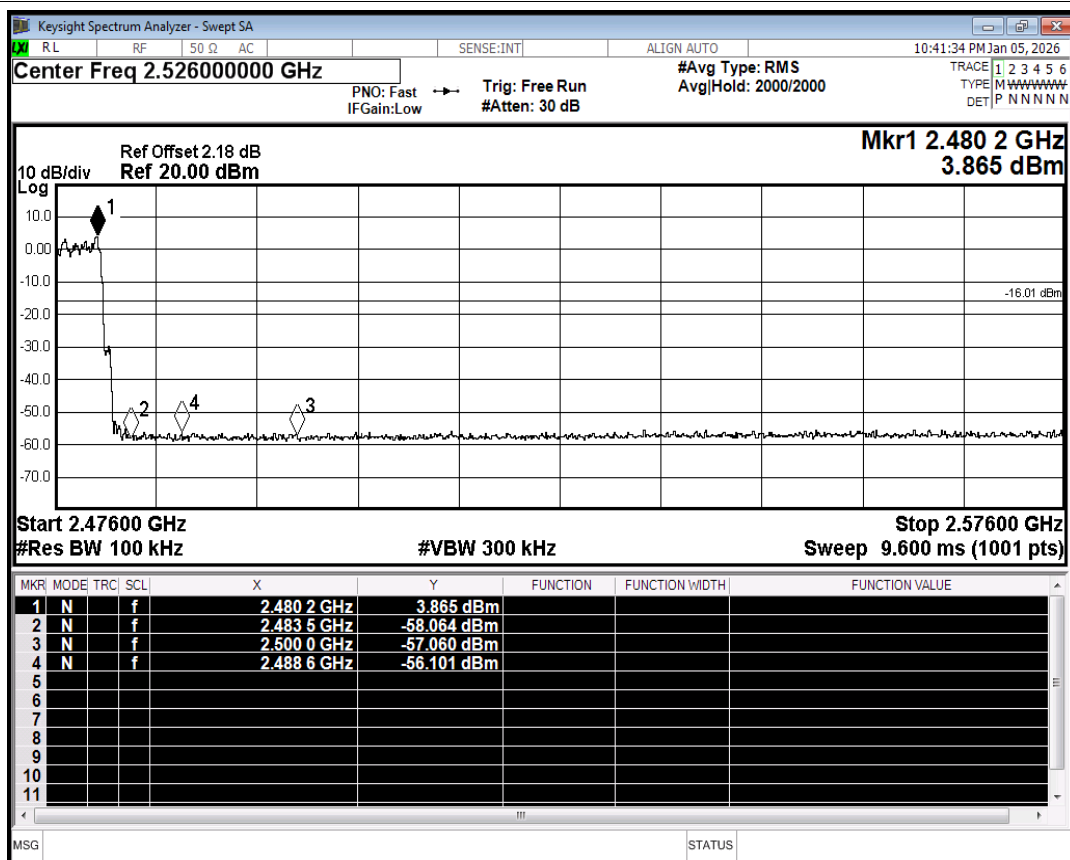
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



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



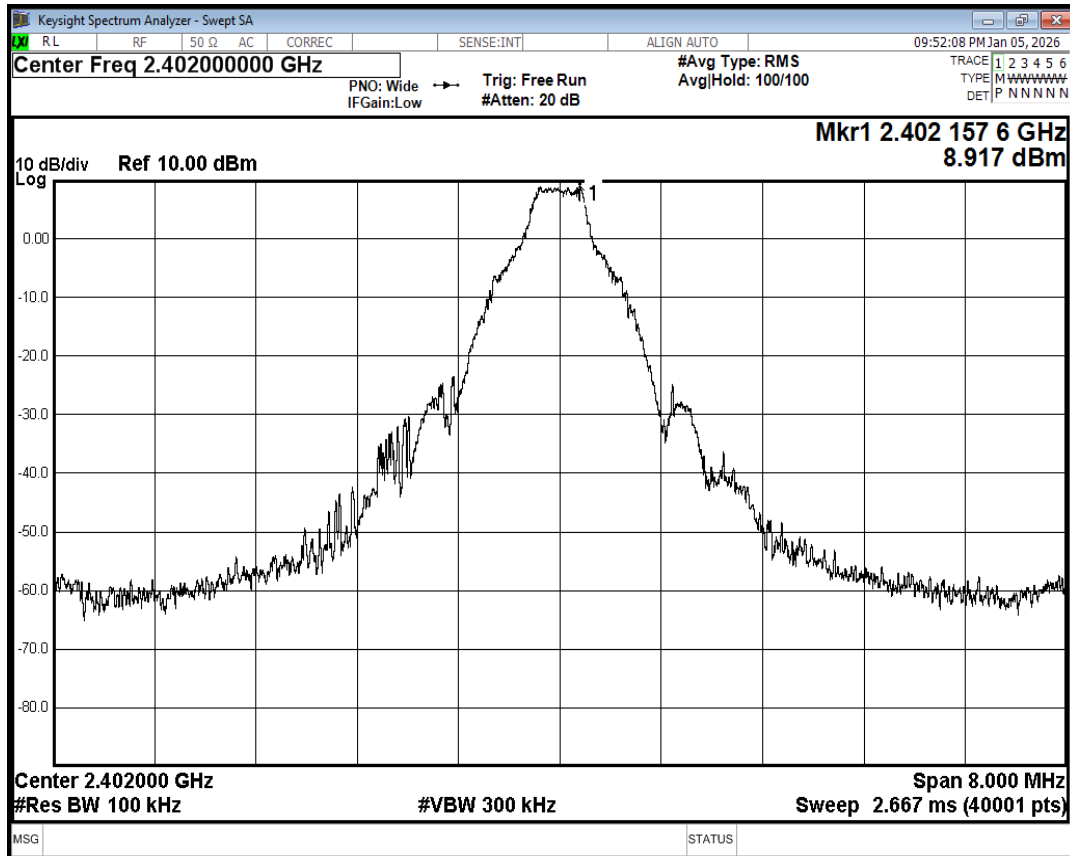
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



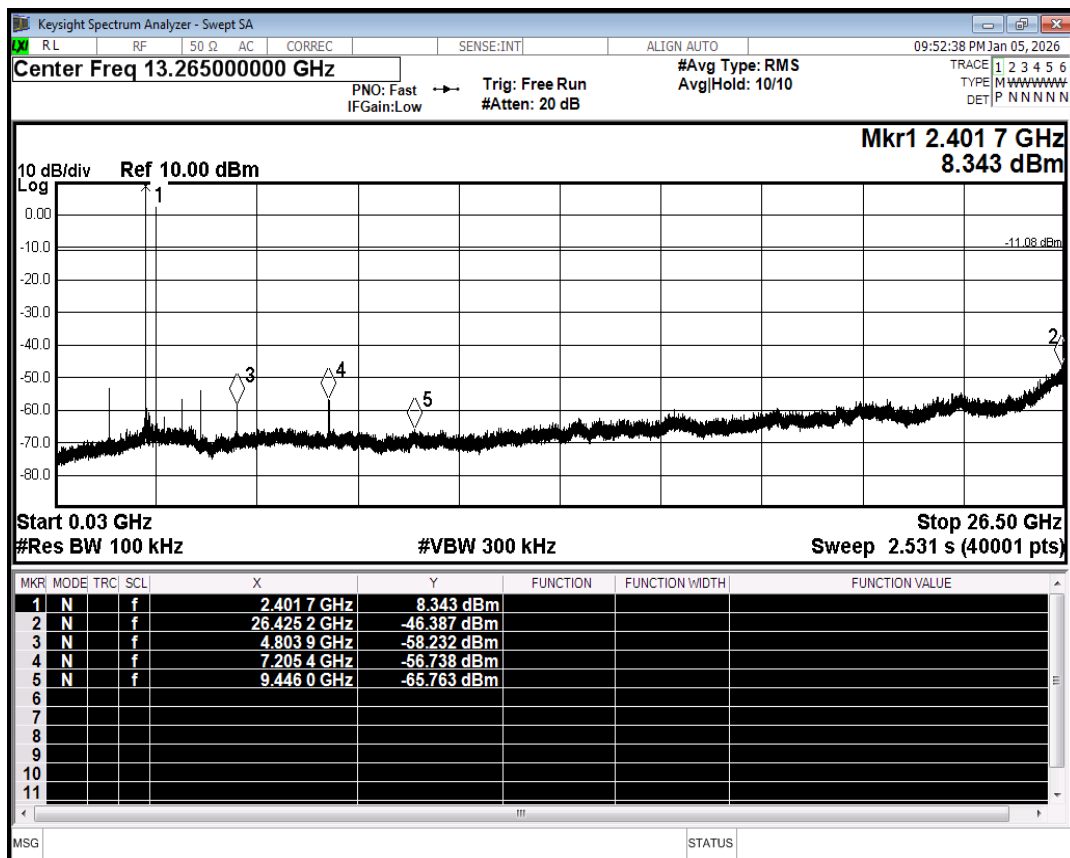


7 Conducted RF Spurious Emission

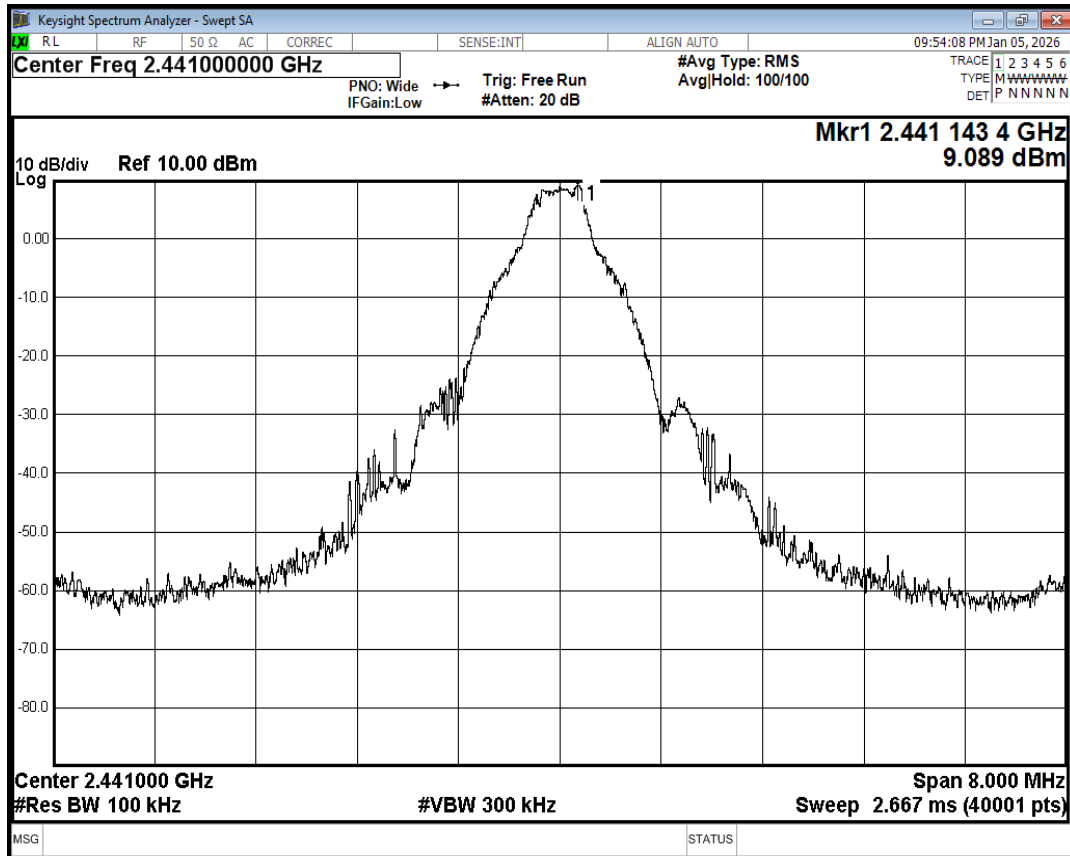
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.3	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.73	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.56	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.47	-20	Pass
NVNT	2-DH5	2441	Ant1	-50.99	-20	Pass
NVNT	2-DH5	2480	Ant1	-50.09	-20	Pass
NVNT	3-DH5	2402	Ant1	-52.4	-20	Pass
NVNT	3-DH5	2441	Ant1	-51.14	-20	Pass
NVNT	3-DH5	2480	Ant1	-49.32	-20	Pass



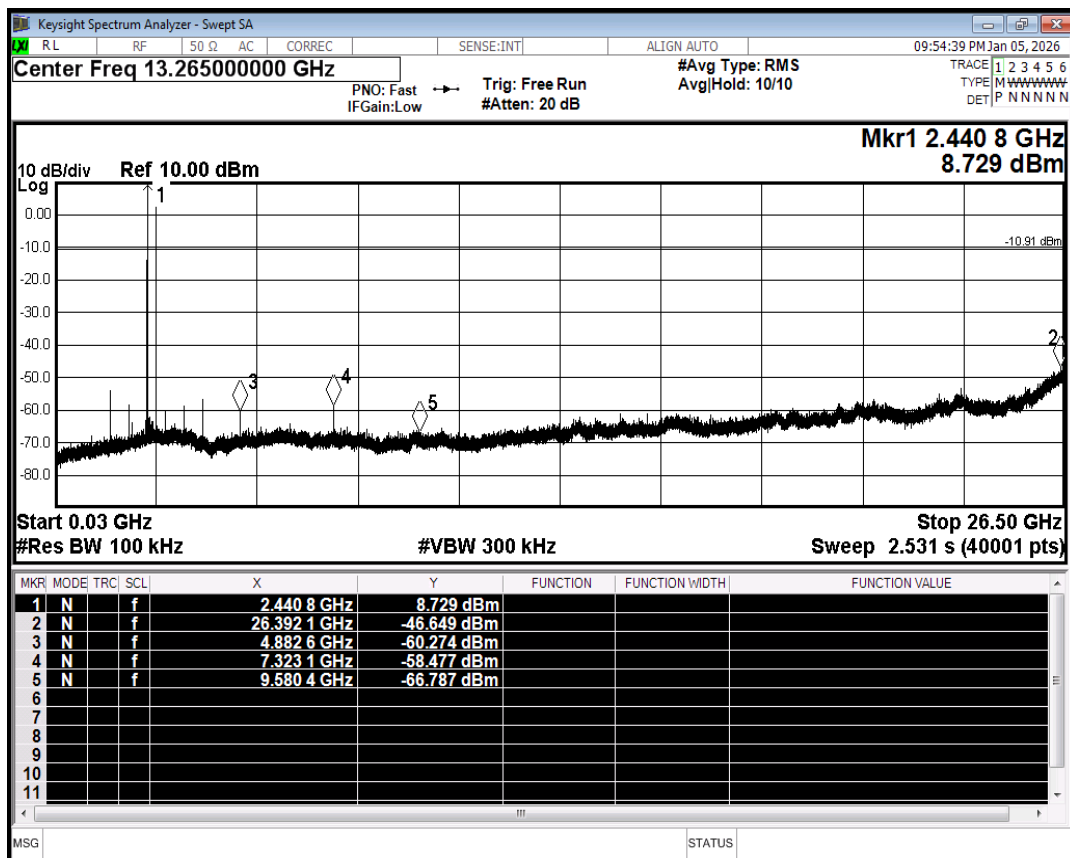
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



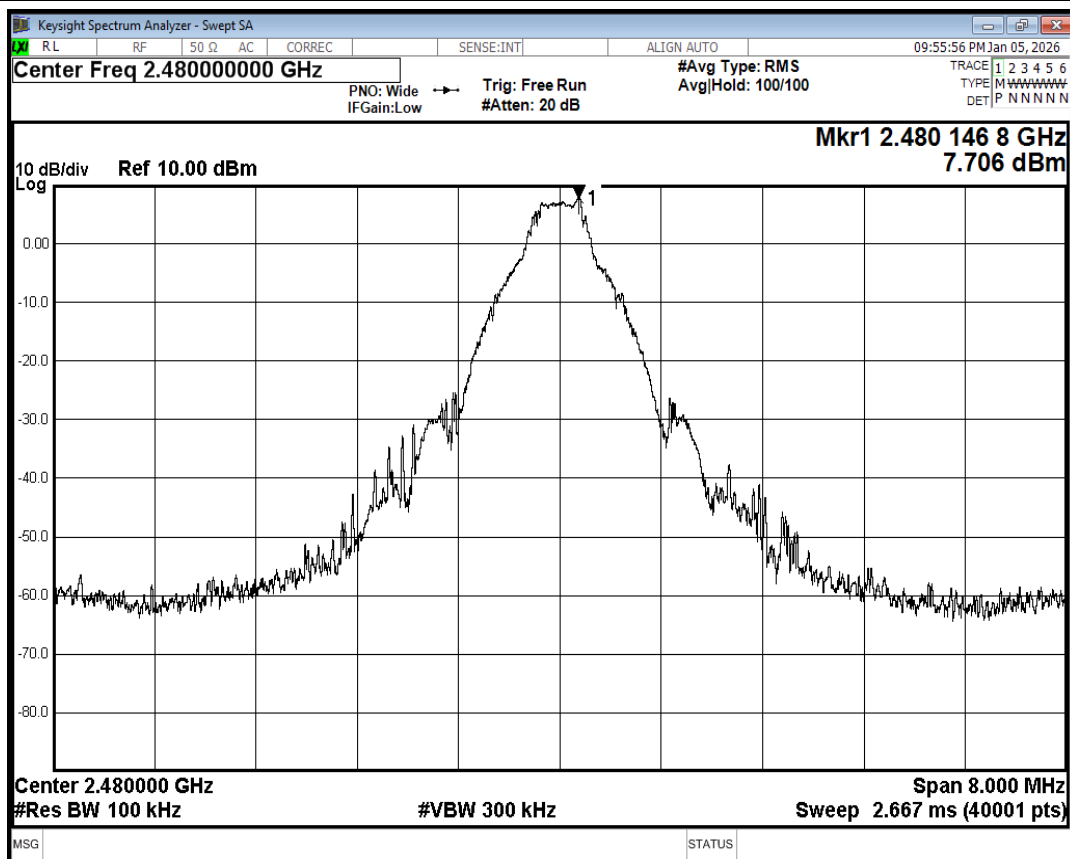
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



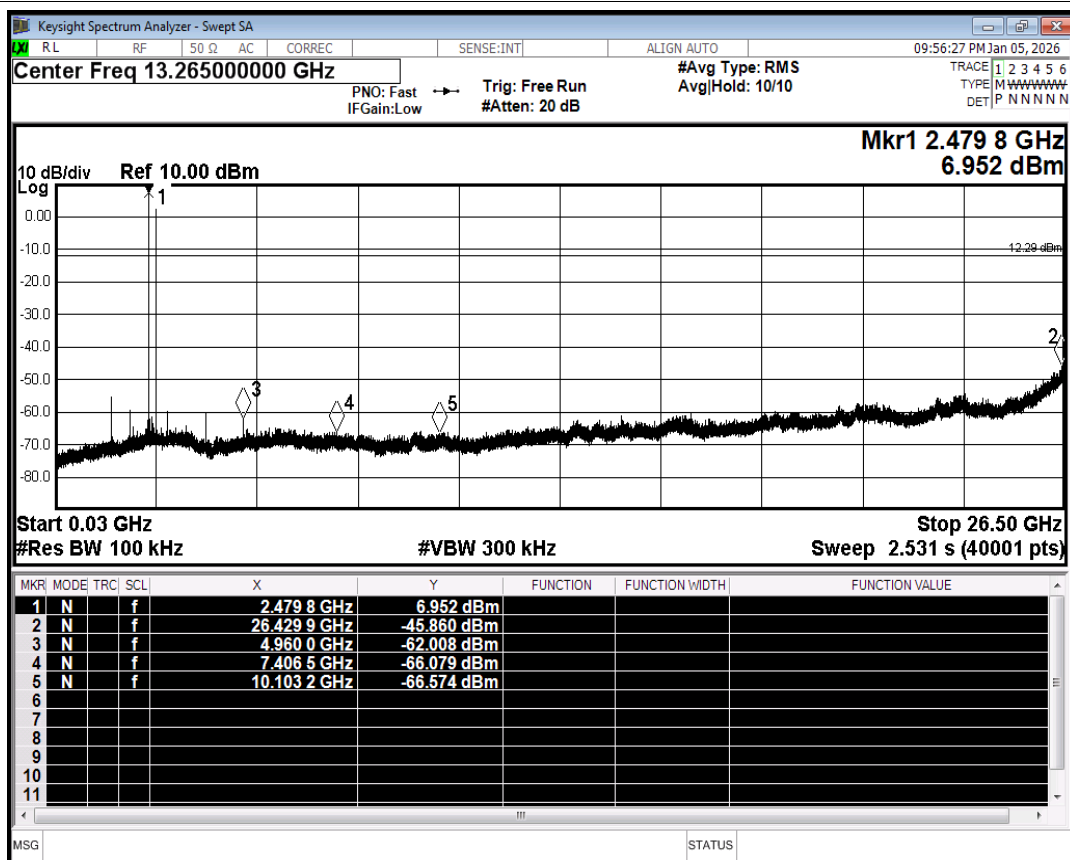
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



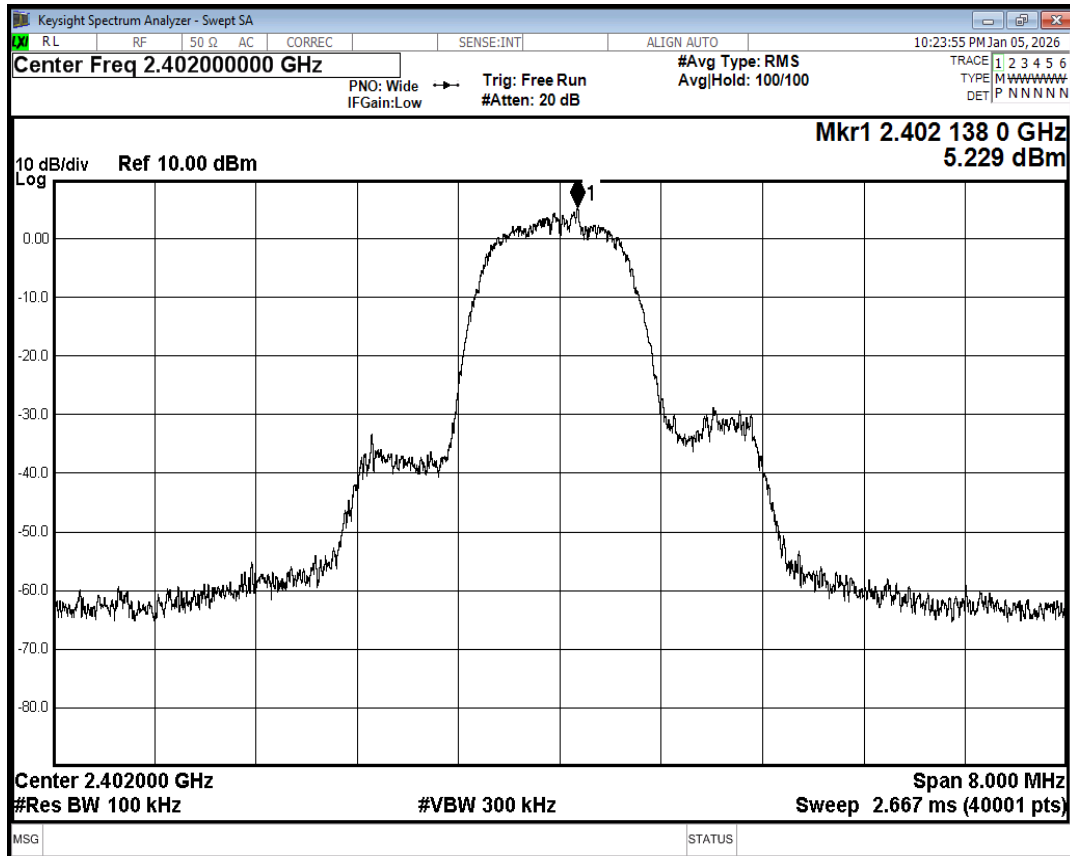
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



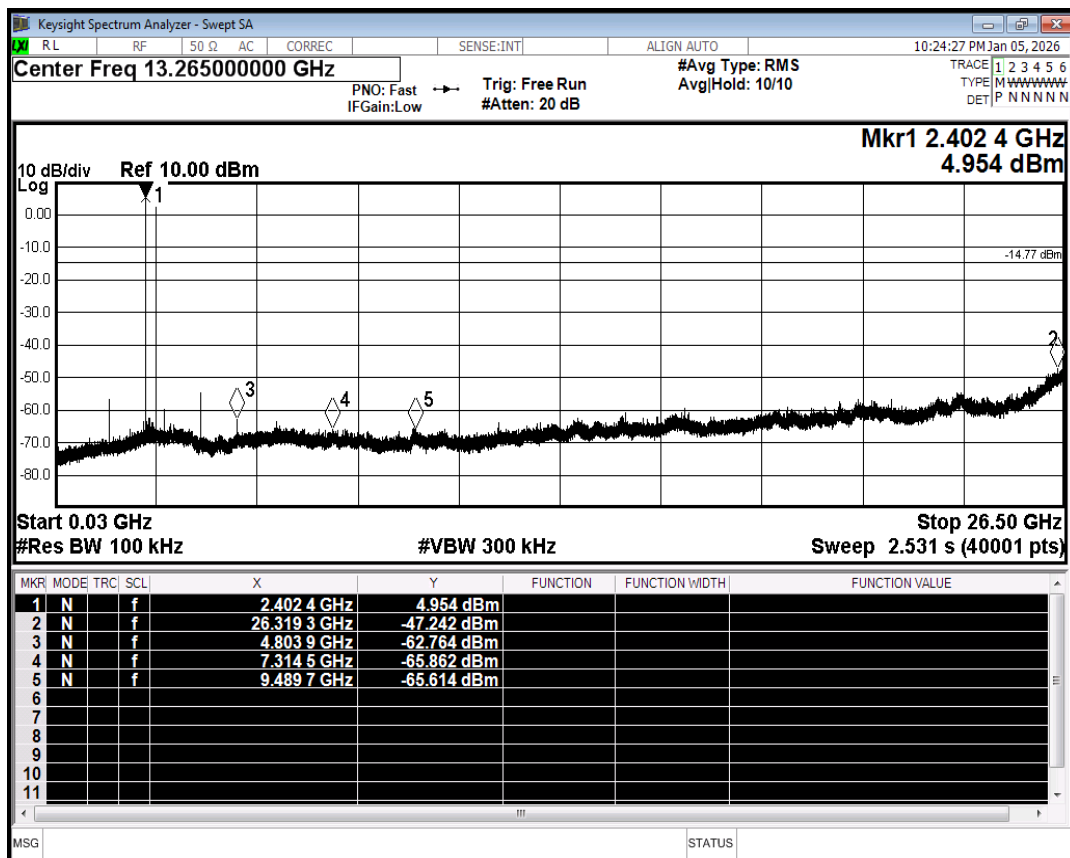
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



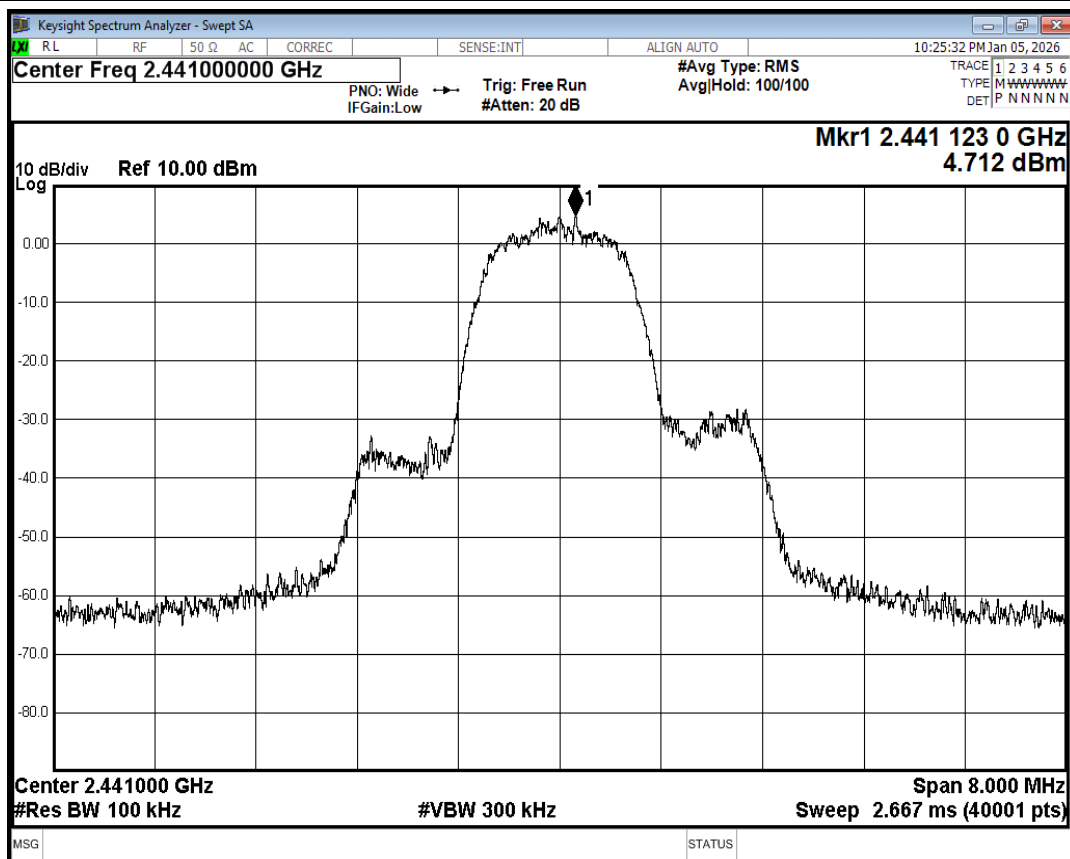
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



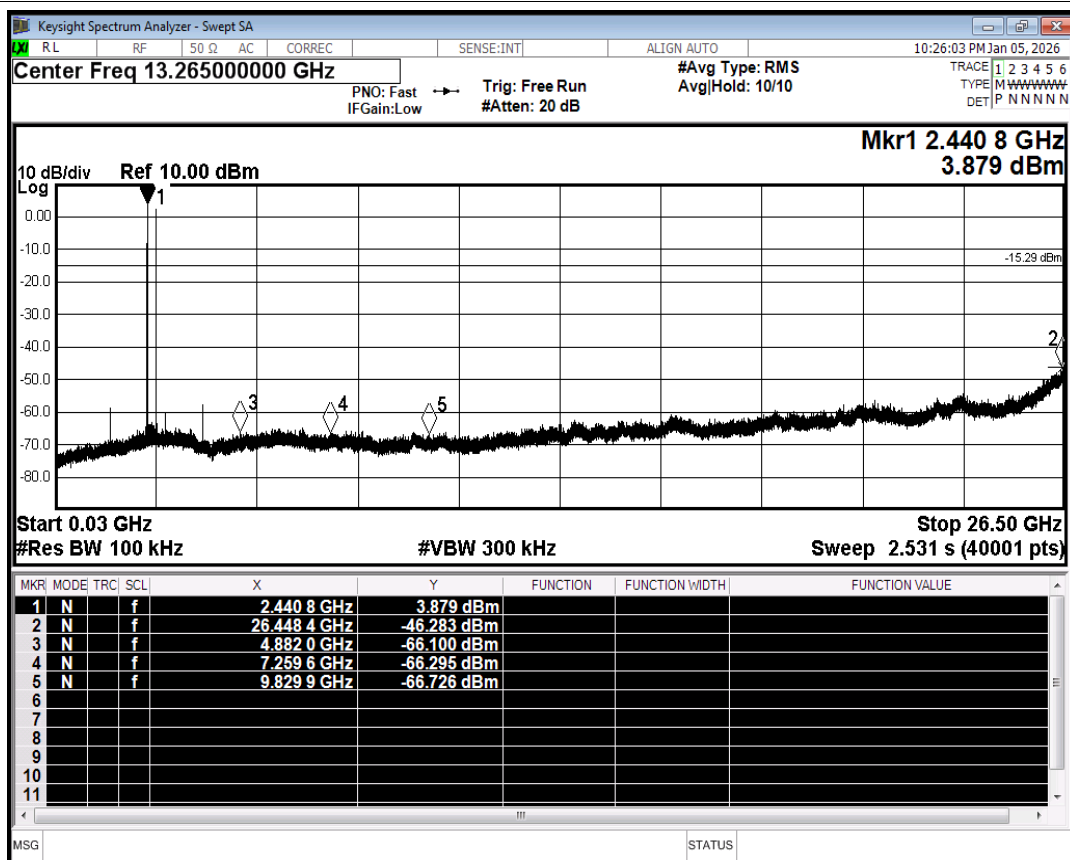
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



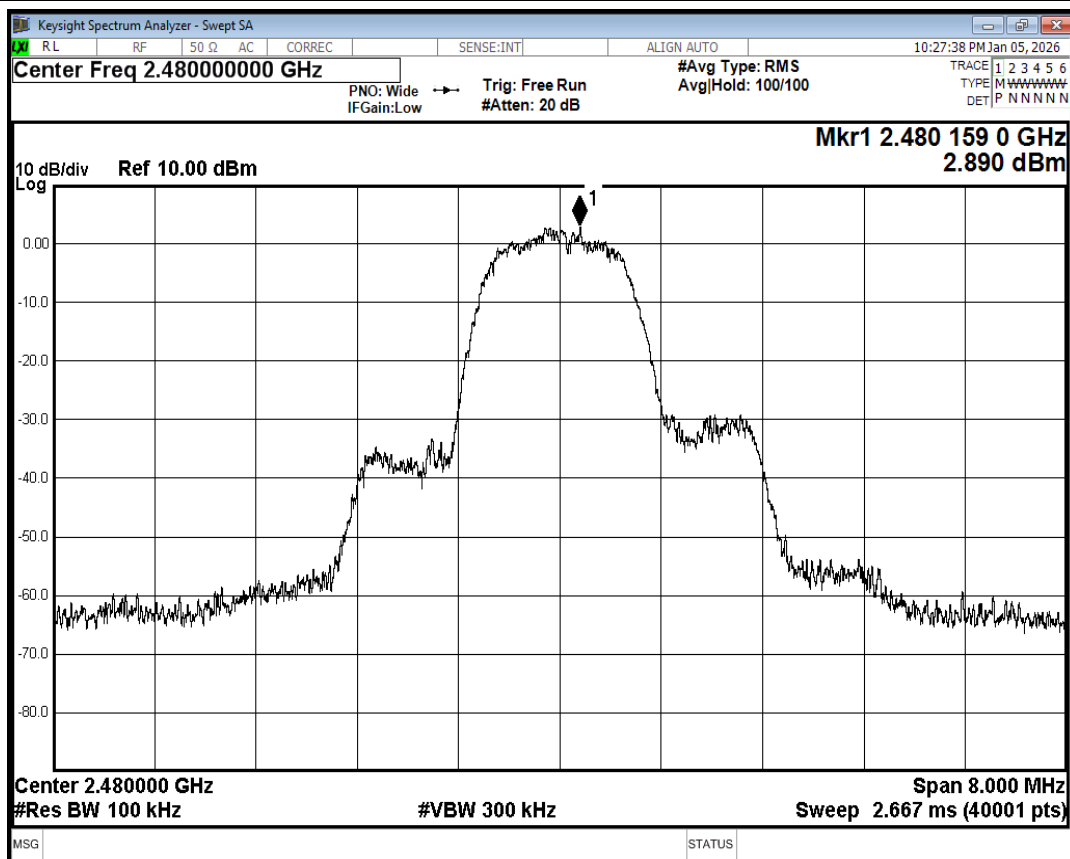
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



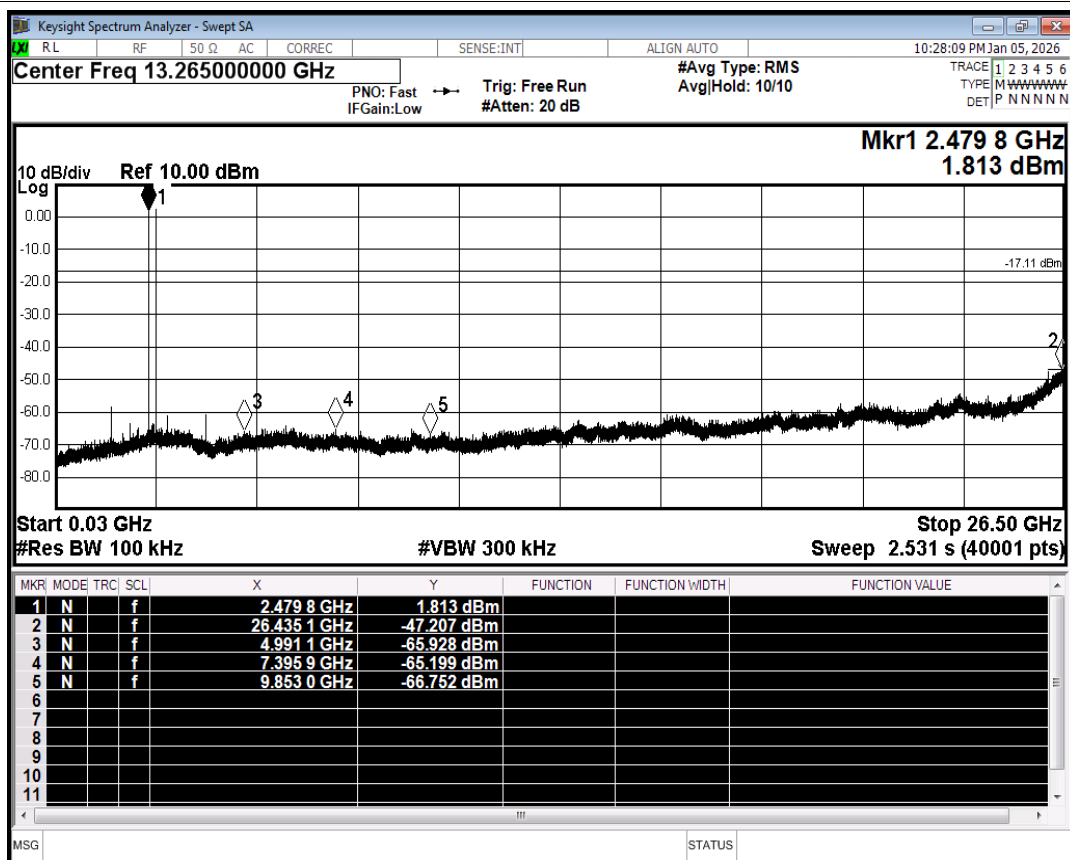
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



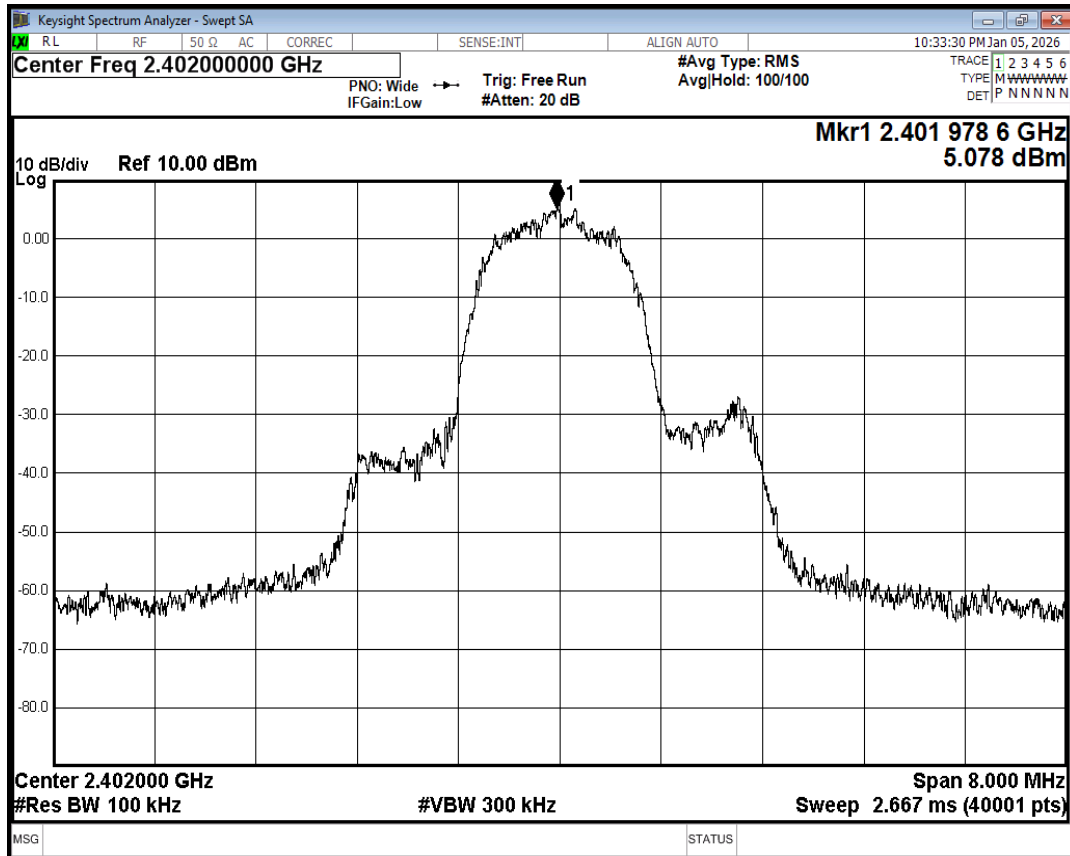
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



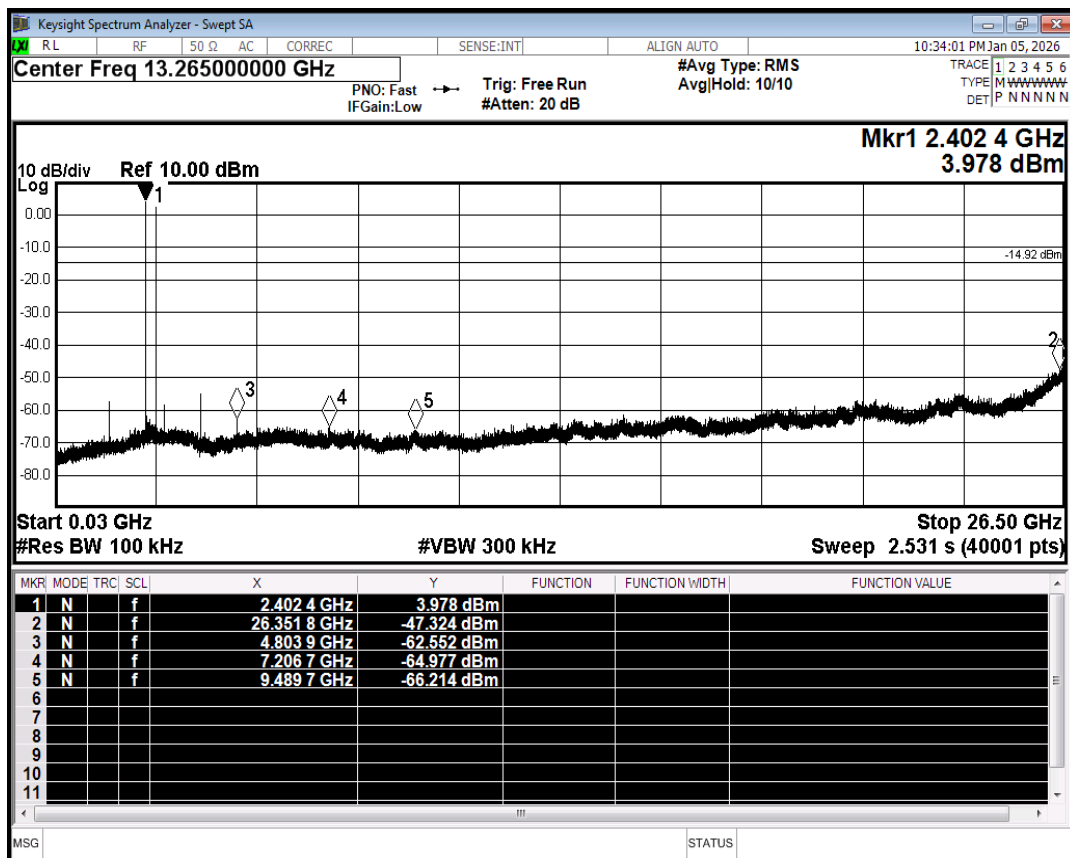
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



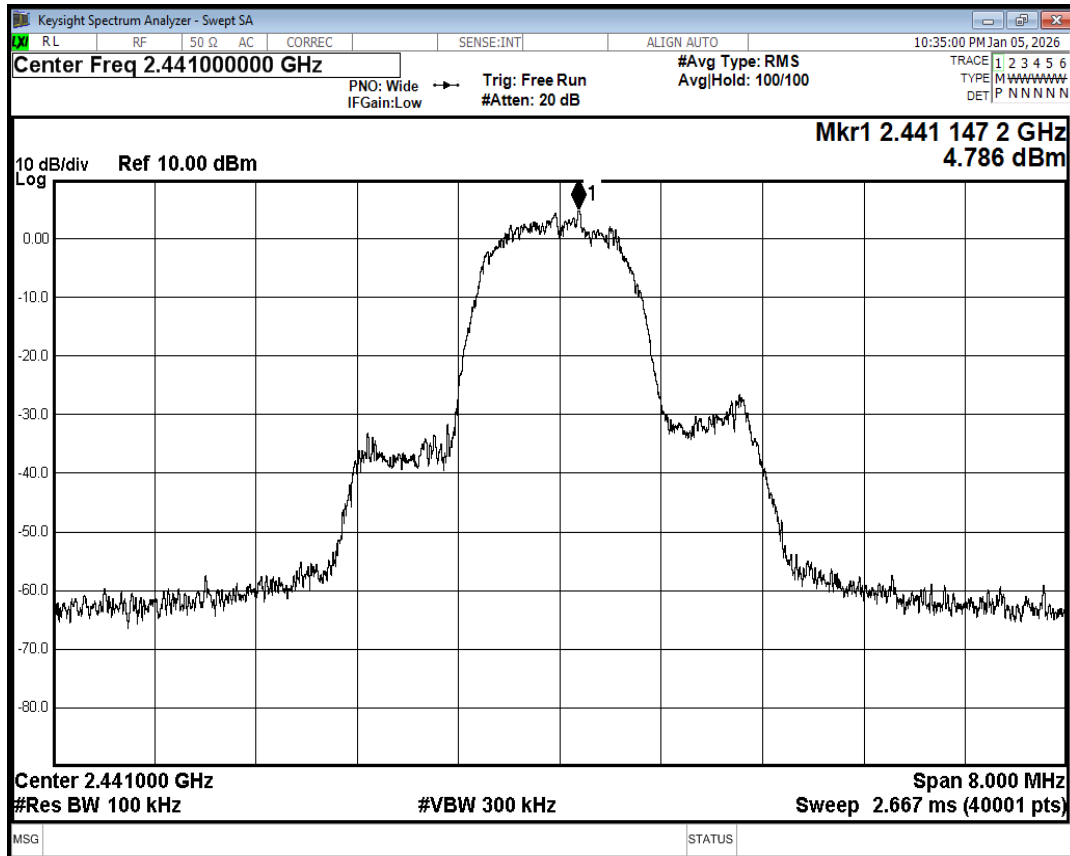
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



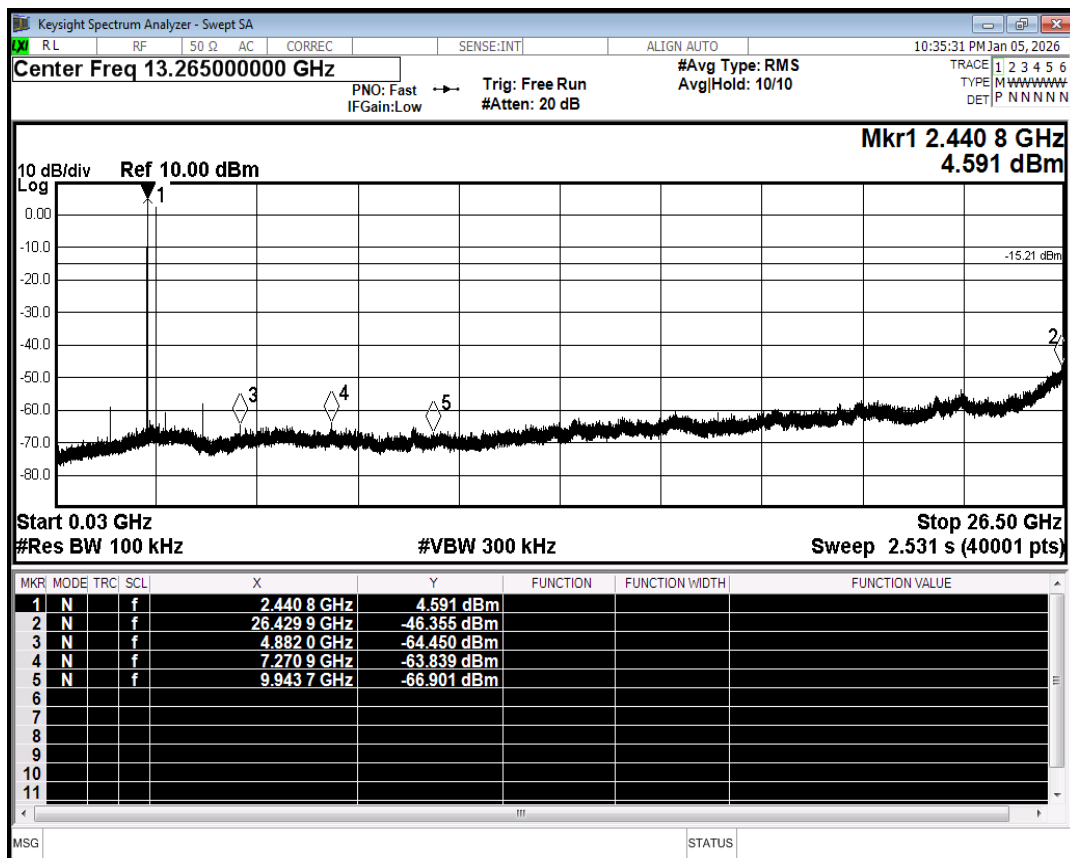
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



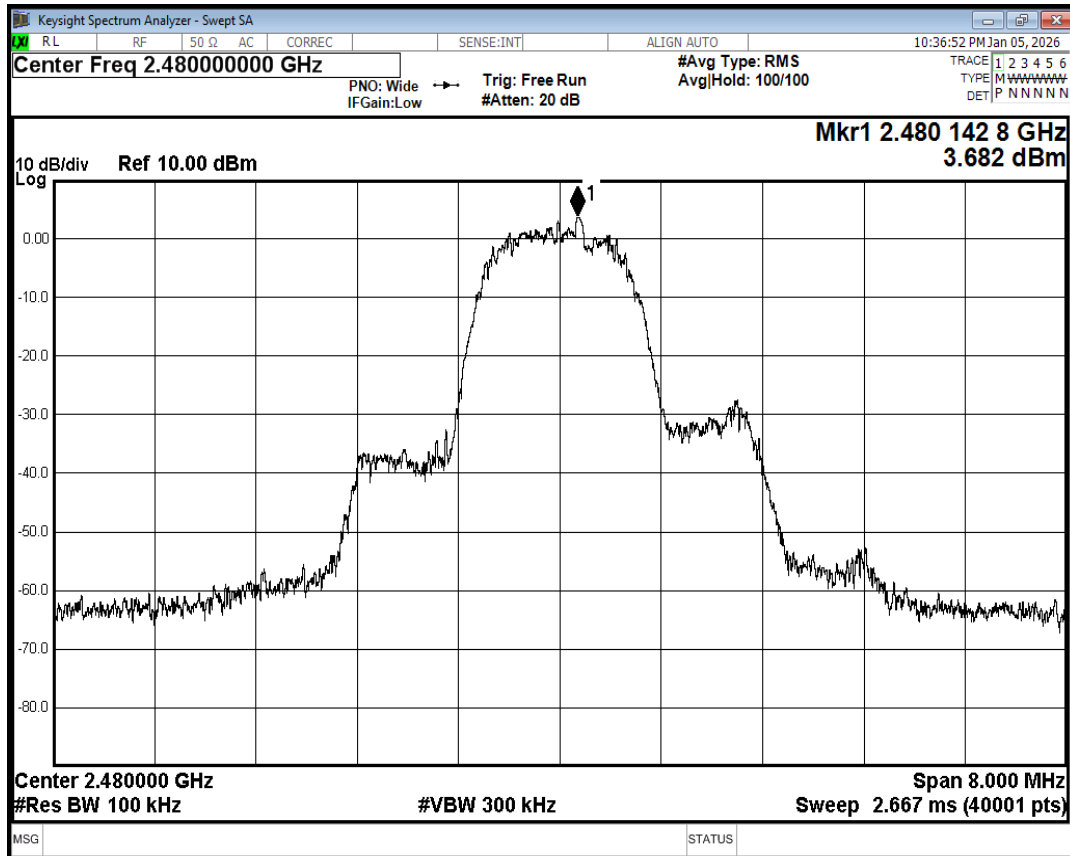
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



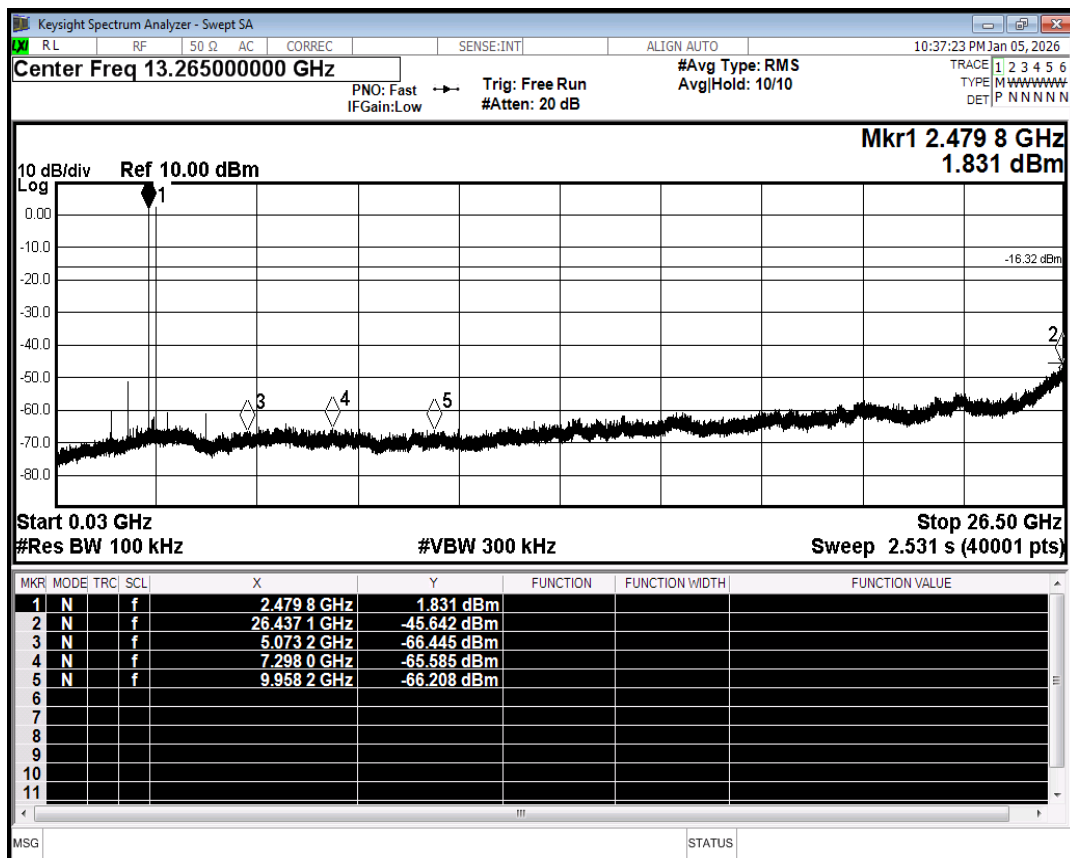
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref

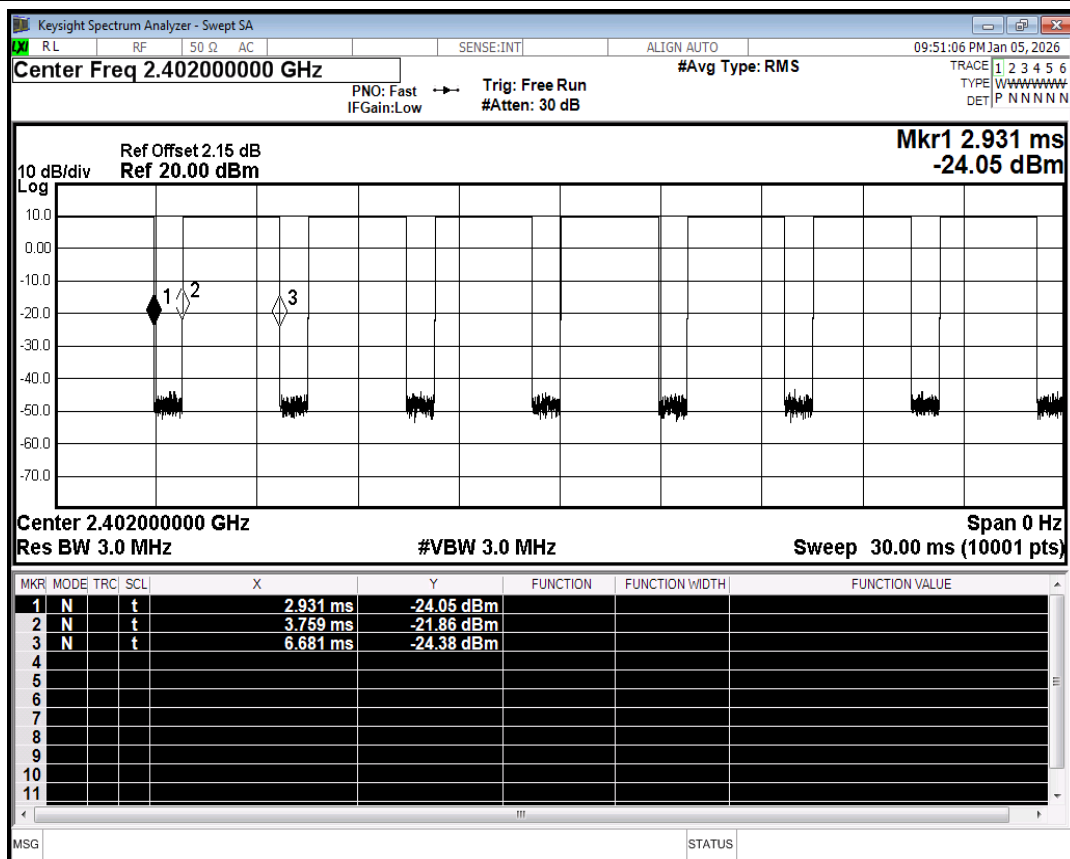


Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

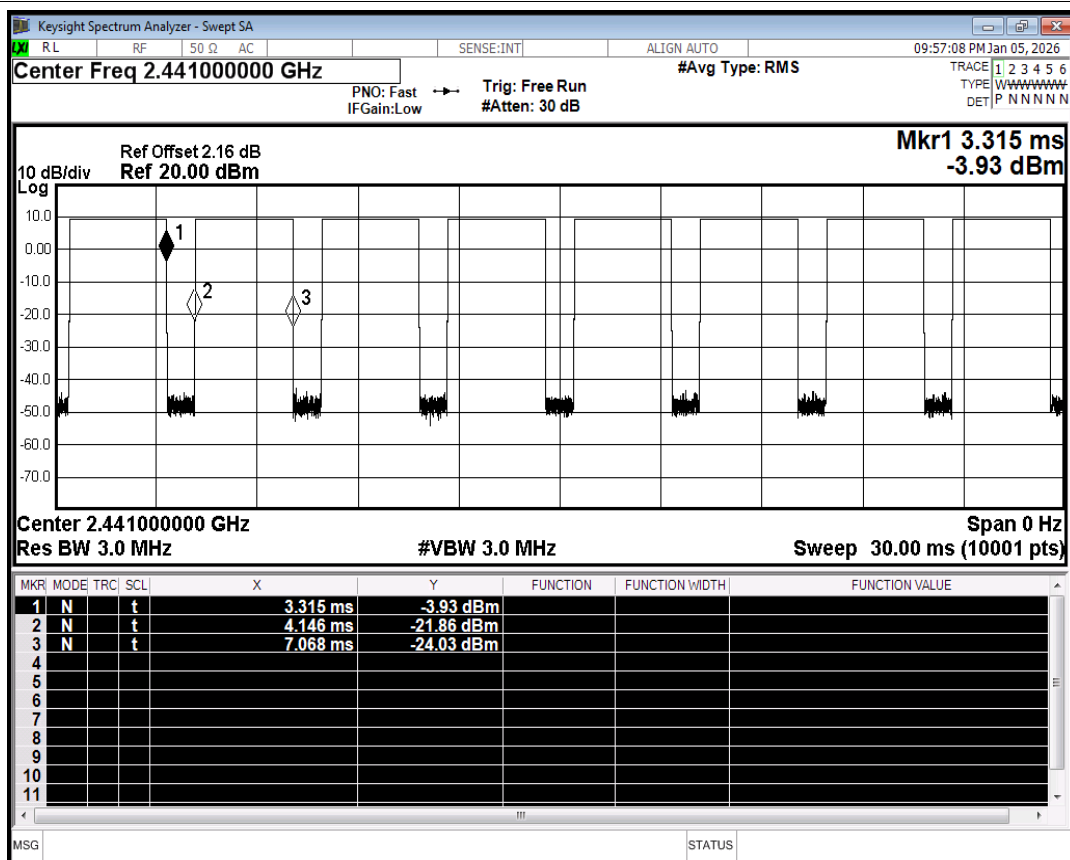


8 Duty Cycle

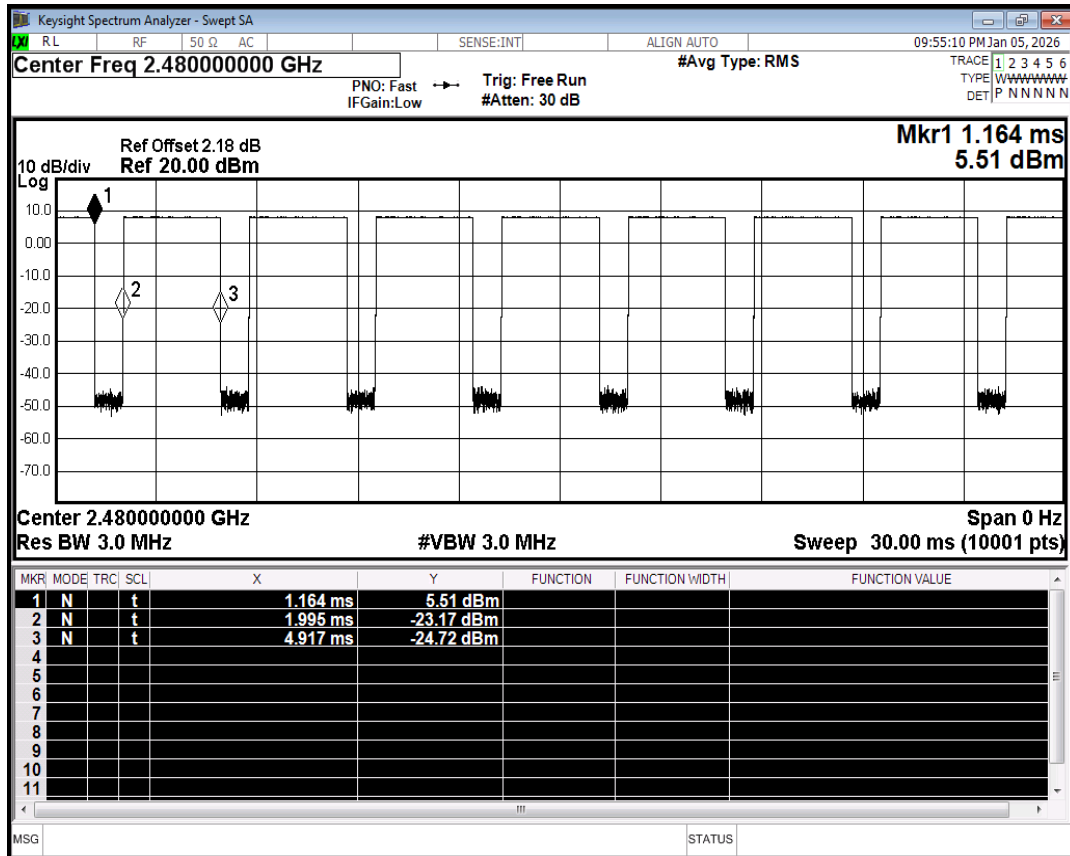
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.92	1.08	0.34
NVNT	1-DH5	2441	Ant1	77.86	1.09	0.34
NVNT	1-DH5	2480	Ant1	77.86	1.09	0.34
NVNT	2-DH5	2402	Ant1	77.92	1.08	0.34
NVNT	2-DH5	2441	Ant1	77.84	1.09	0.34
NVNT	2-DH5	2480	Ant1	77.12	1.13	0.35
NVNT	3-DH5	2402	Ant1	78	1.08	0.34
NVNT	3-DH5	2441	Ant1	77.92	1.08	0.34
NVNT	3-DH5	2480	Ant1	77.2	1.12	0.35



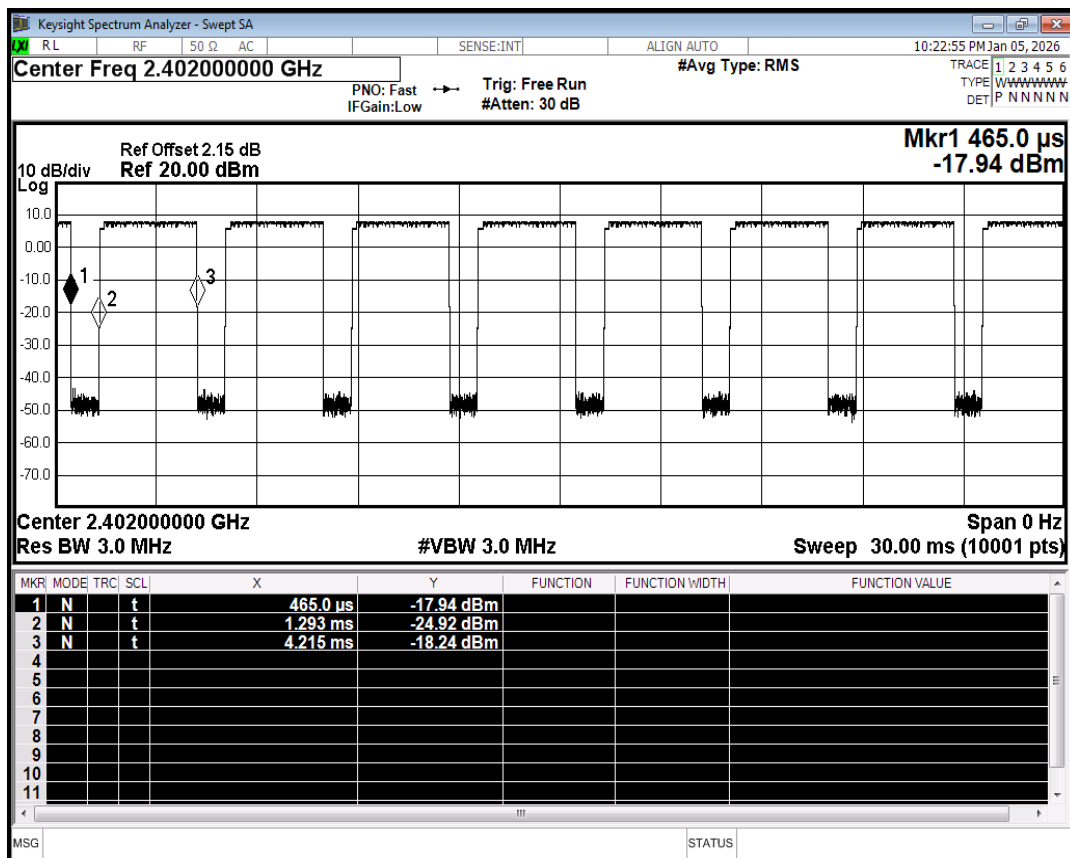
Duty Cycle NVNT 1-DH5 2402MHz Ant1



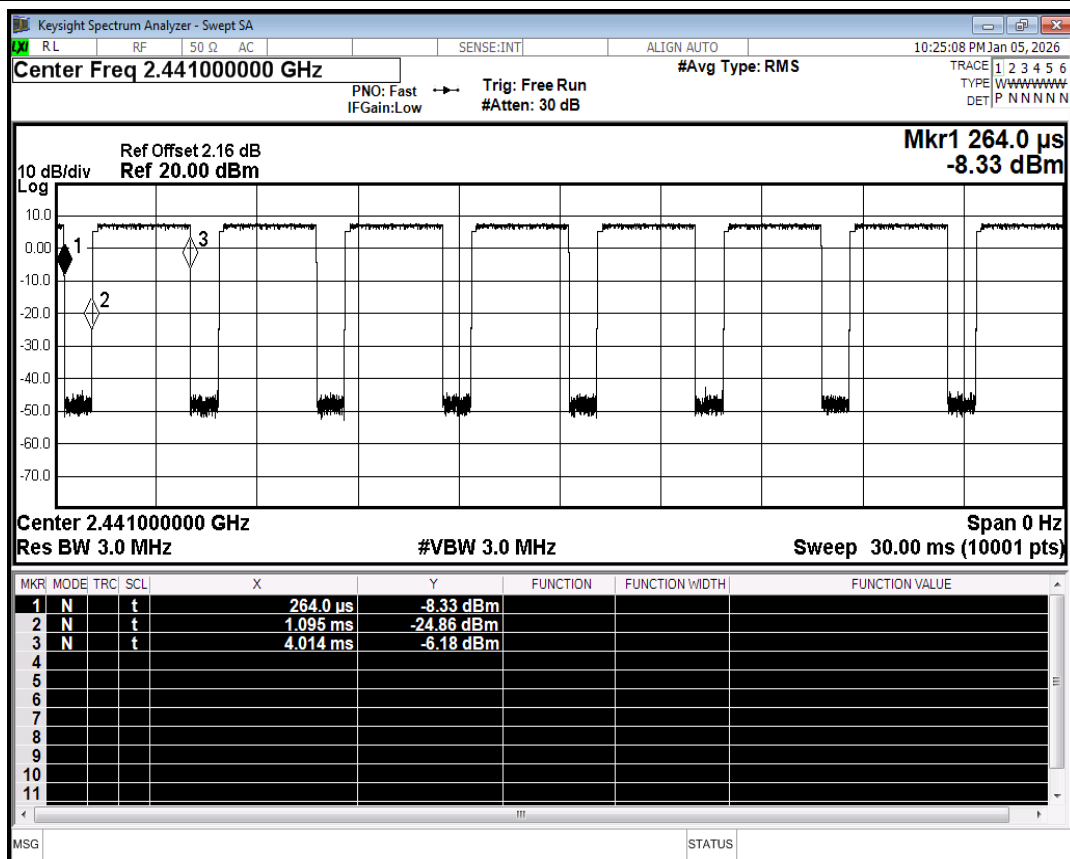
Duty Cycle NVNT 1-DH5 2441MHz Ant1



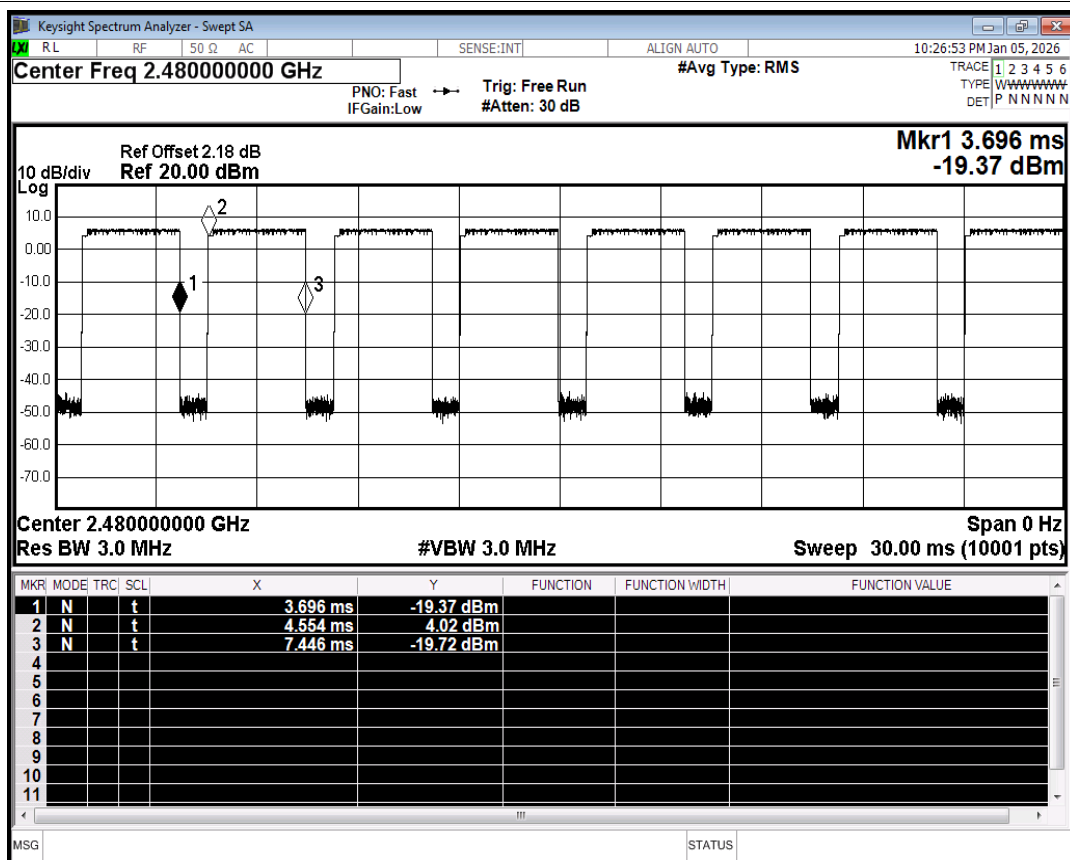
Duty Cycle NVNT 1-DH5 2480MHz Ant1



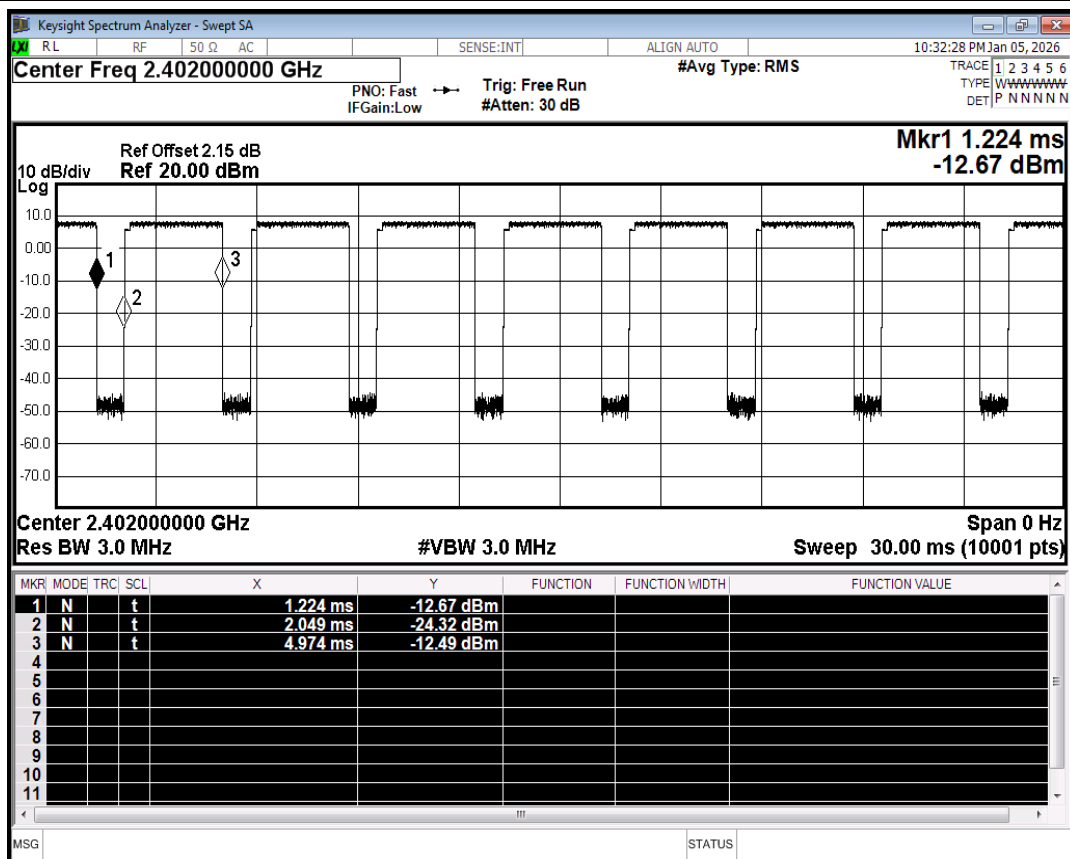
Duty Cycle NVNT 2-DH5 2402MHz Ant1



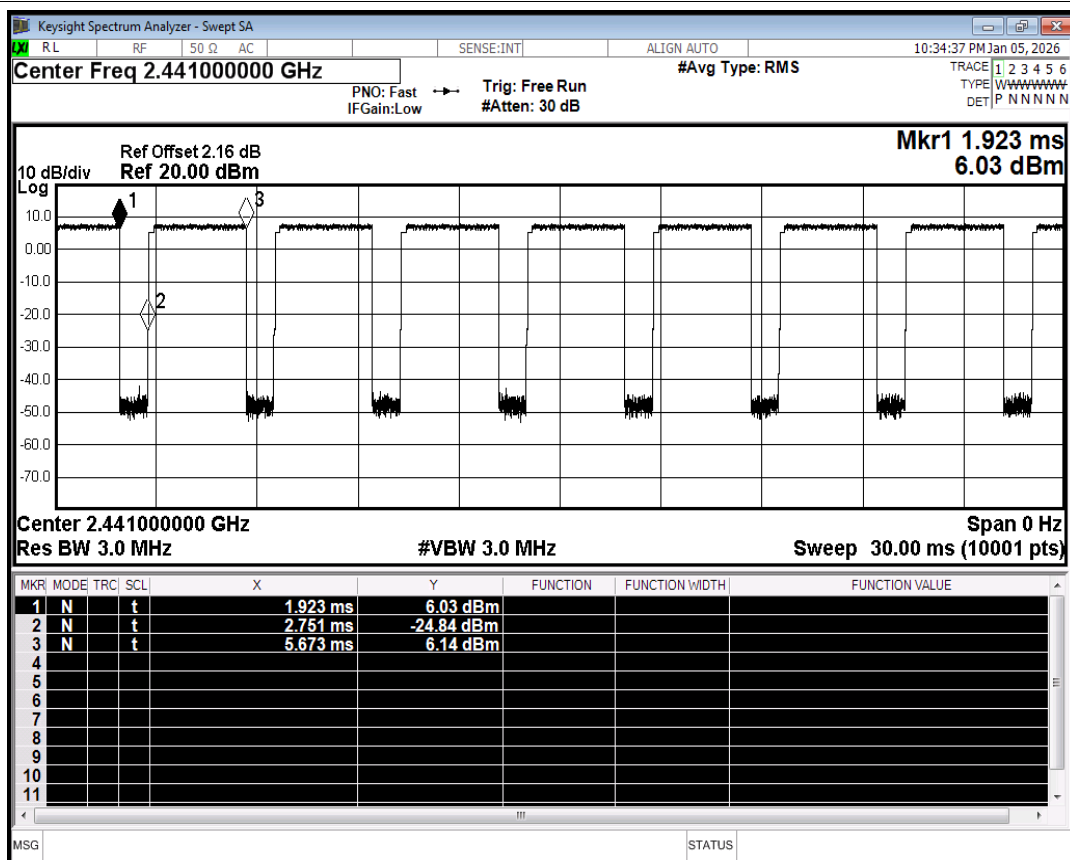
Duty Cycle NVNT 2-DH5 2441MHz Ant1



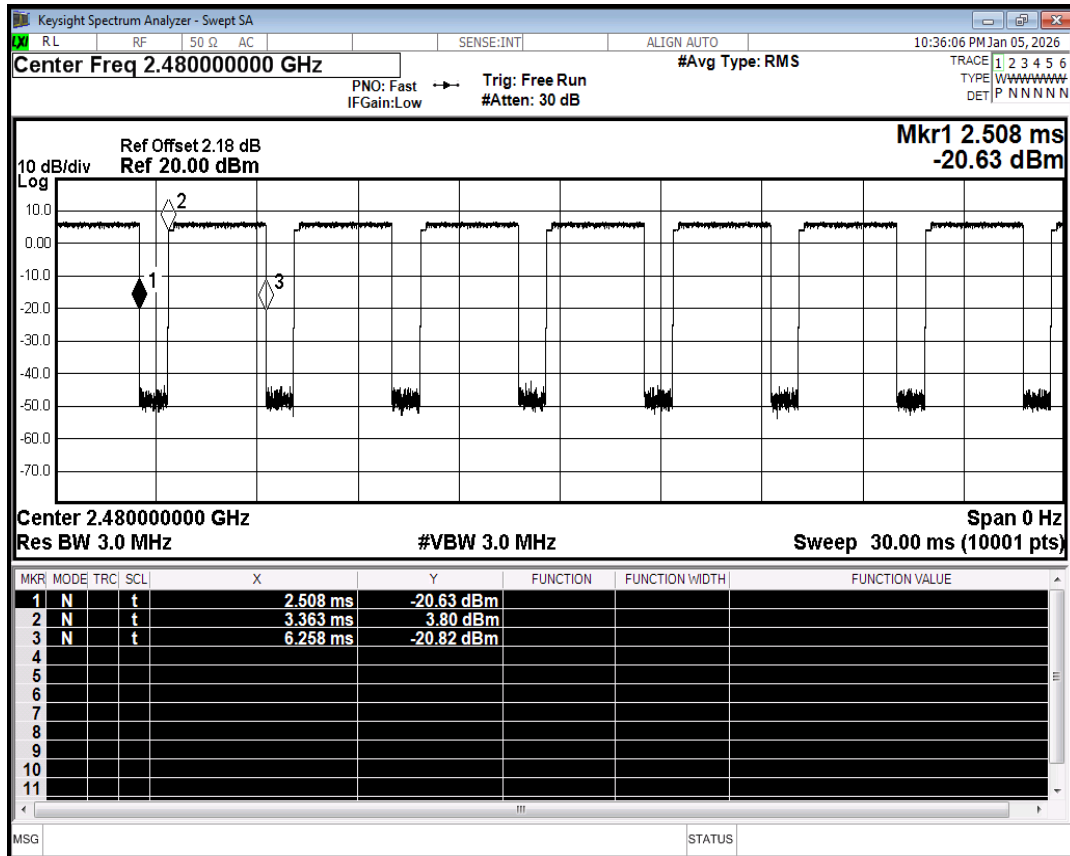
Duty Cycle NVNT 2-DH5 2480MHz Ant1



Duty Cycle NVNT 3-DH5 2402MHz Ant1



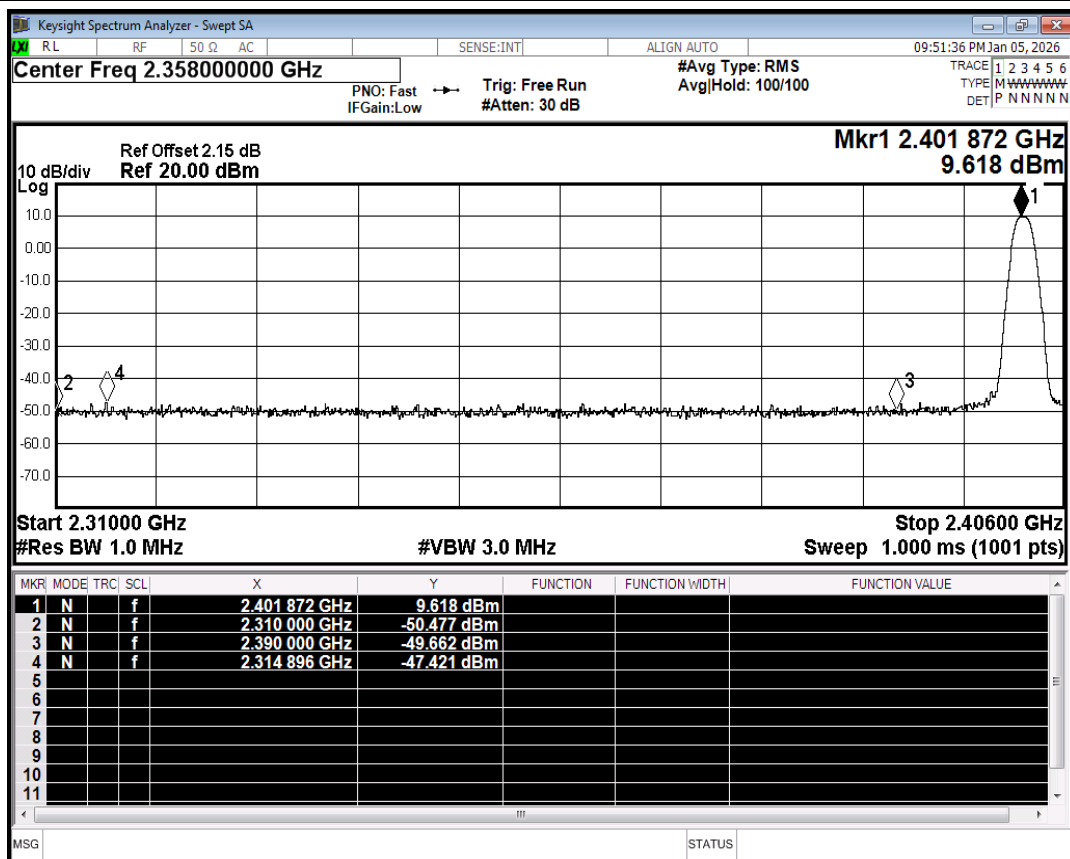
Duty Cycle NVNT 3-DH5 2441MHz Ant1



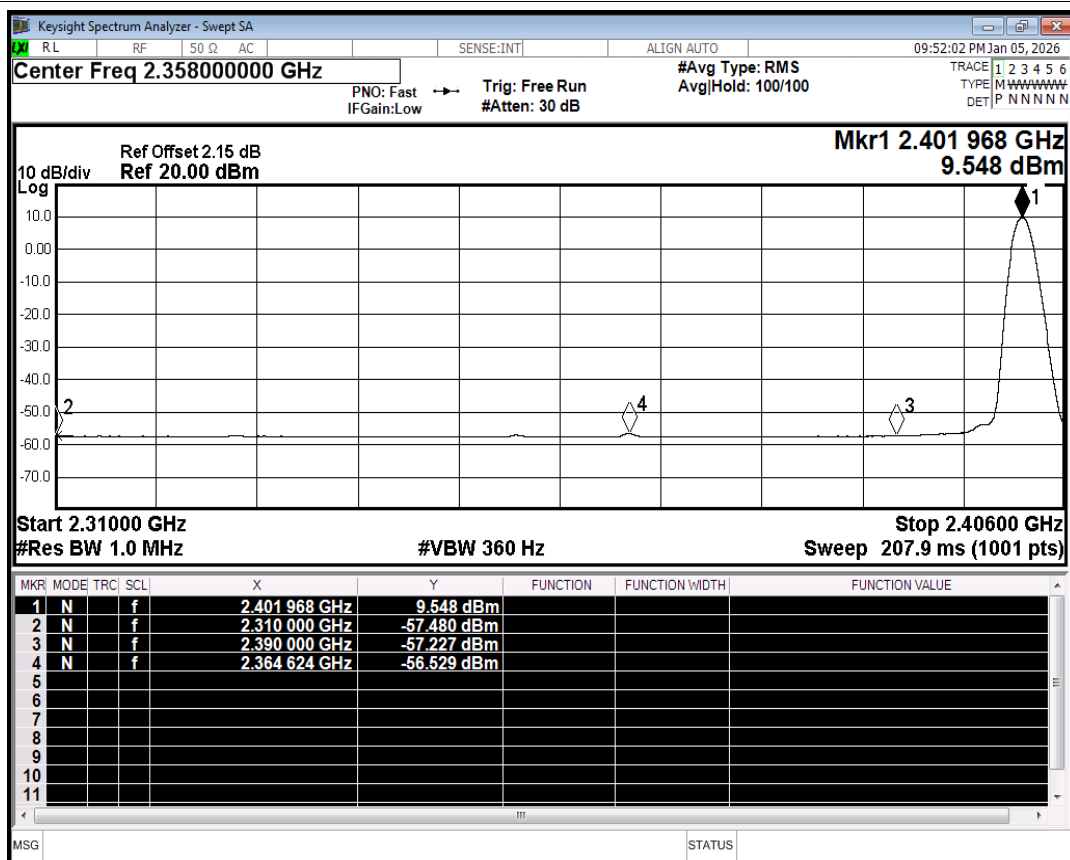
Duty Cycle NVNT 3-DH5 2480MHz Ant1

9 Restrict Band

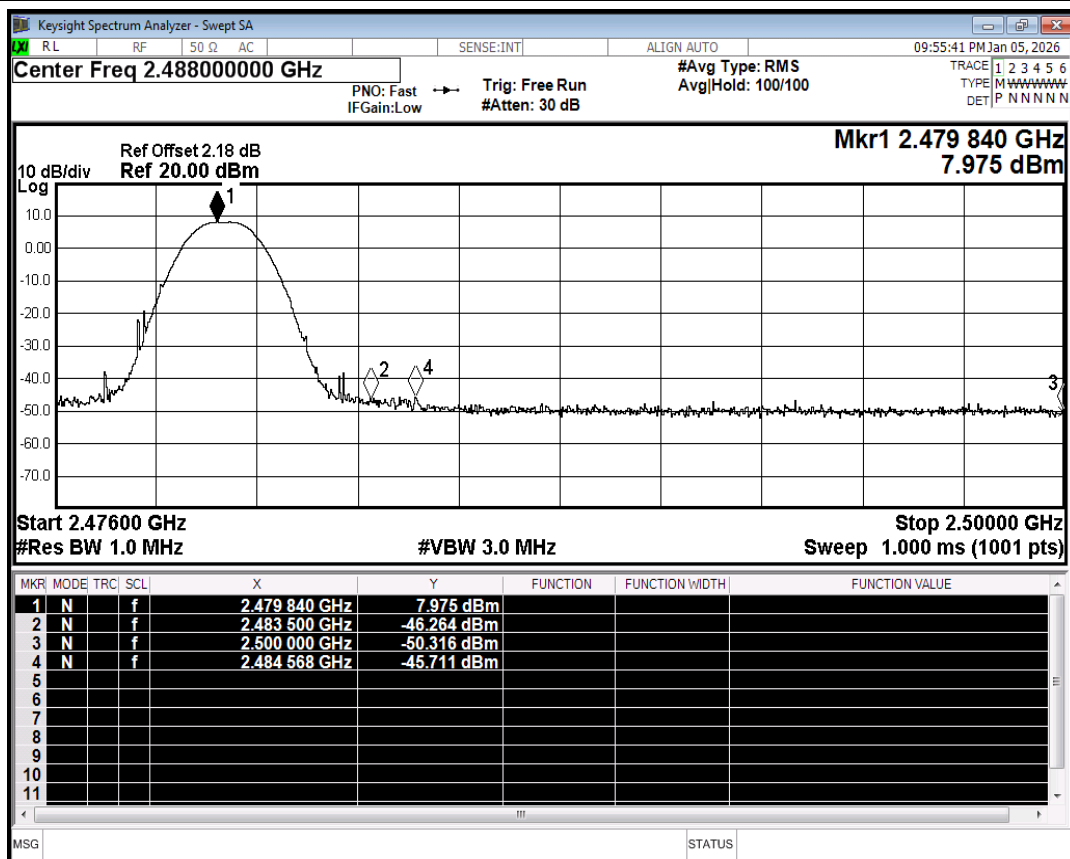
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.47	3.96	48.75	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.48	3.96	41.74	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2314.896	-47.42	3.96	51.80	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2364.624	-56.52	3.96	42.70	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.53	3.96	48.69	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.21	3.96	42.01	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-46.26	3.96	52.96	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.43	3.96	47.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.568	-45.71	3.96	53.51	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-51.43	3.96	47.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.31	3.96	48.91	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.4	3.96	41.82	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.81	3.96	48.41	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-57.5	3.96	41.72	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2345.04	-47.51	3.96	51.71	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2364.72	-57.21	3.96	42.01	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.76	3.96	48.46	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.36	3.96	41.86	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.91	3.96	50.31	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-52.1	3.96	47.12	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.656	-46.49	3.96	52.73	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-52.1	3.96	47.12	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.75	3.96	48.47	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.44	3.96	41.78	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.03	3.96	48.19	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-57.48	3.96	41.74	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2373.84	-47.86	3.96	51.36	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.968	-57.25	3.96	41.97	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.82	3.96	49.40	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.35	3.96	41.87	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.06	3.96	50.16	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-52.09	3.96	47.13	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2495.032	-46.15	3.96	53.07	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-52.09	3.96	47.13	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.54	3.96	49.68	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.32	3.96	41.90	Average	54	Pass



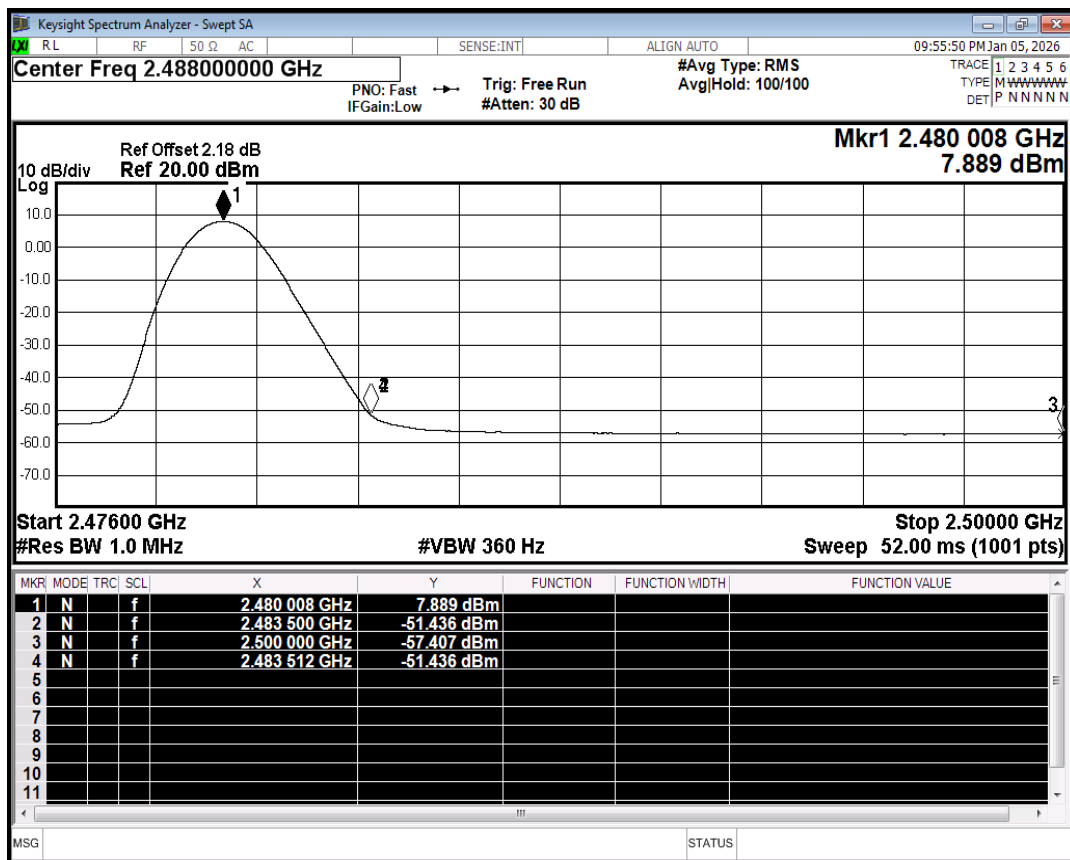
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



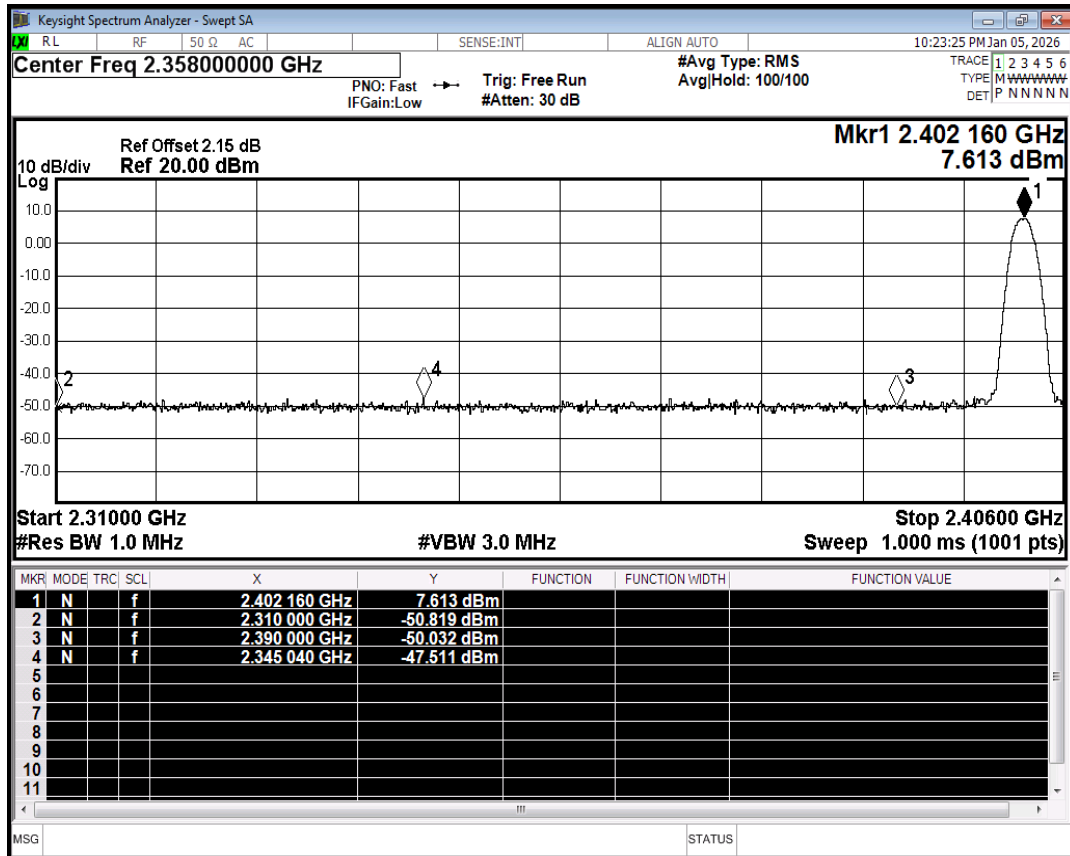
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



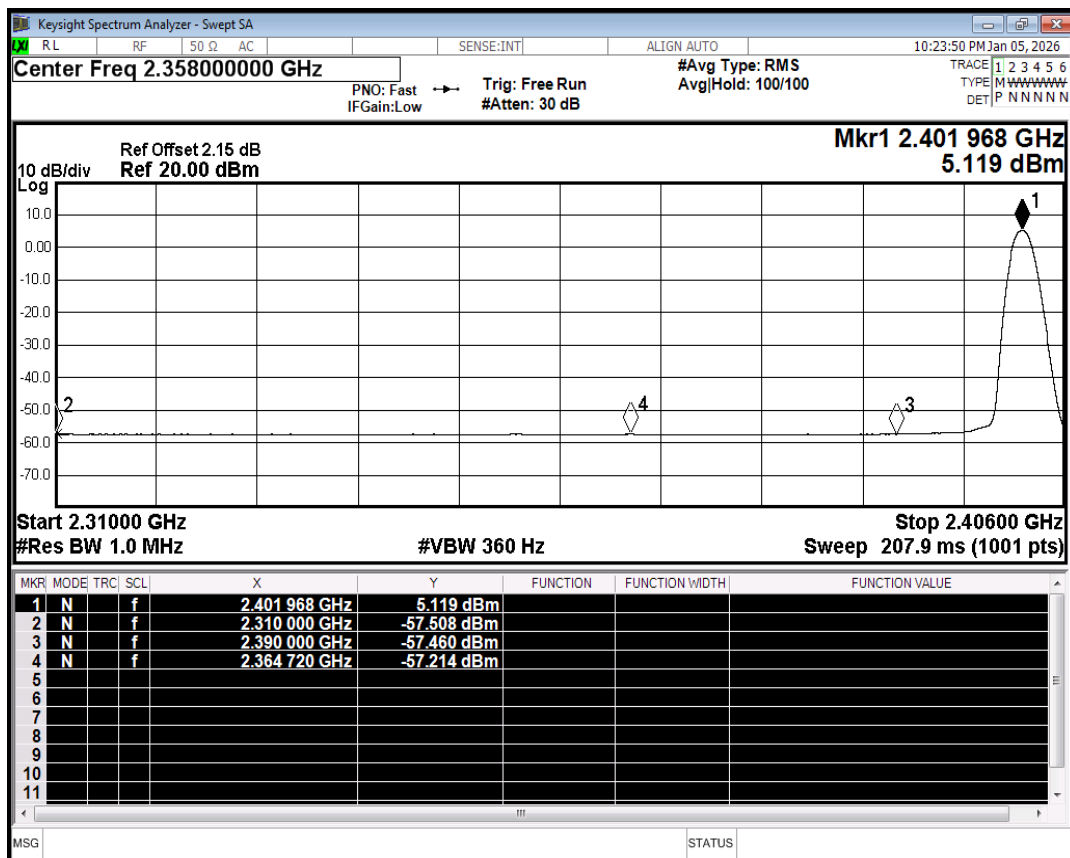
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



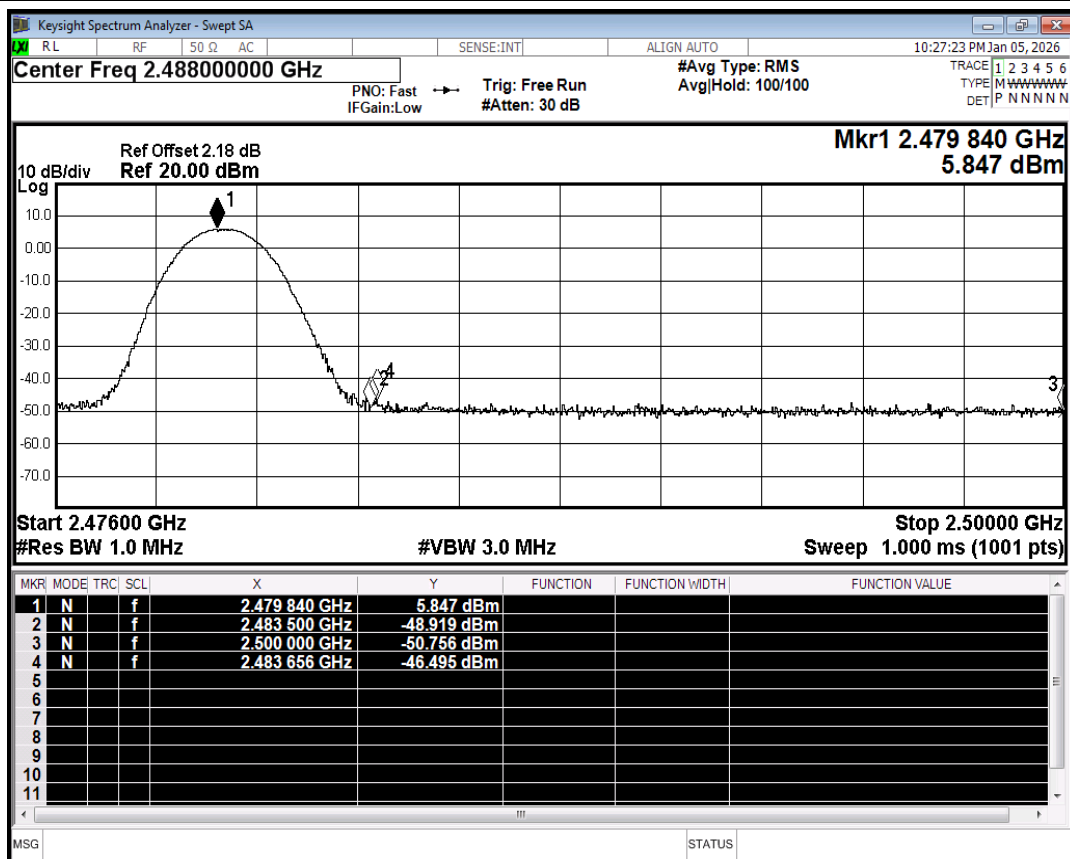
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



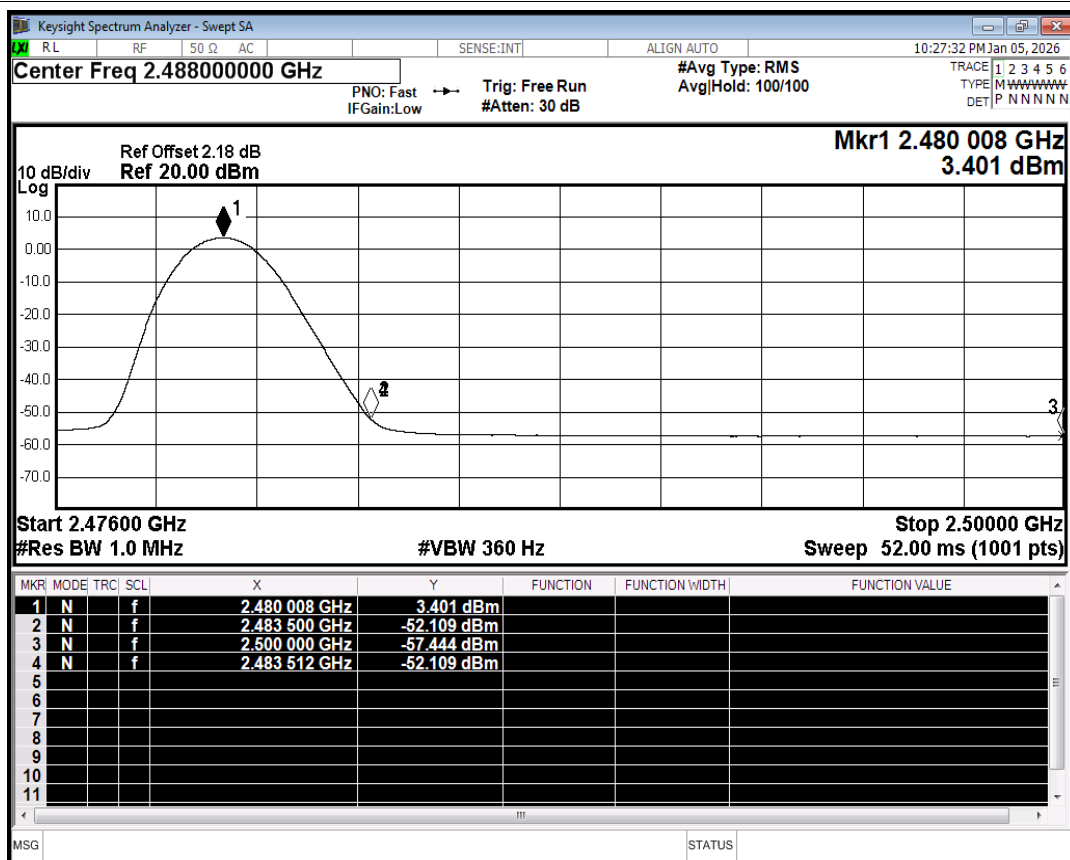
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



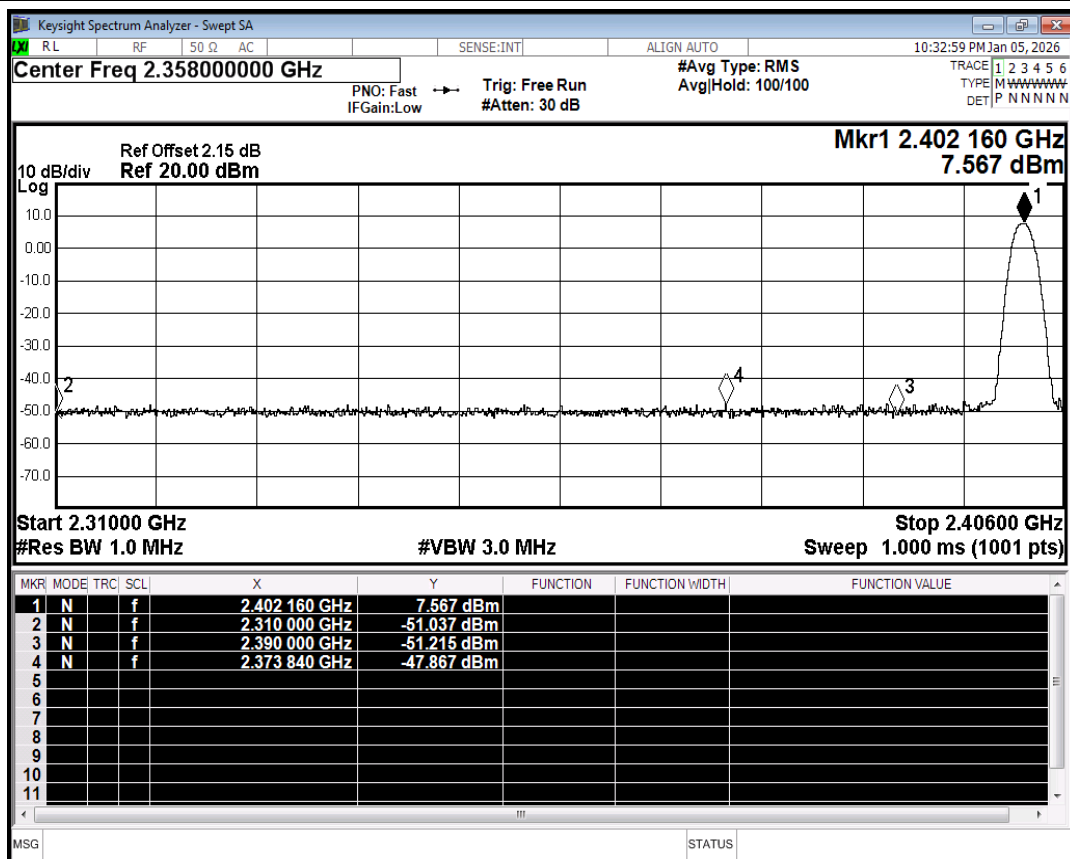
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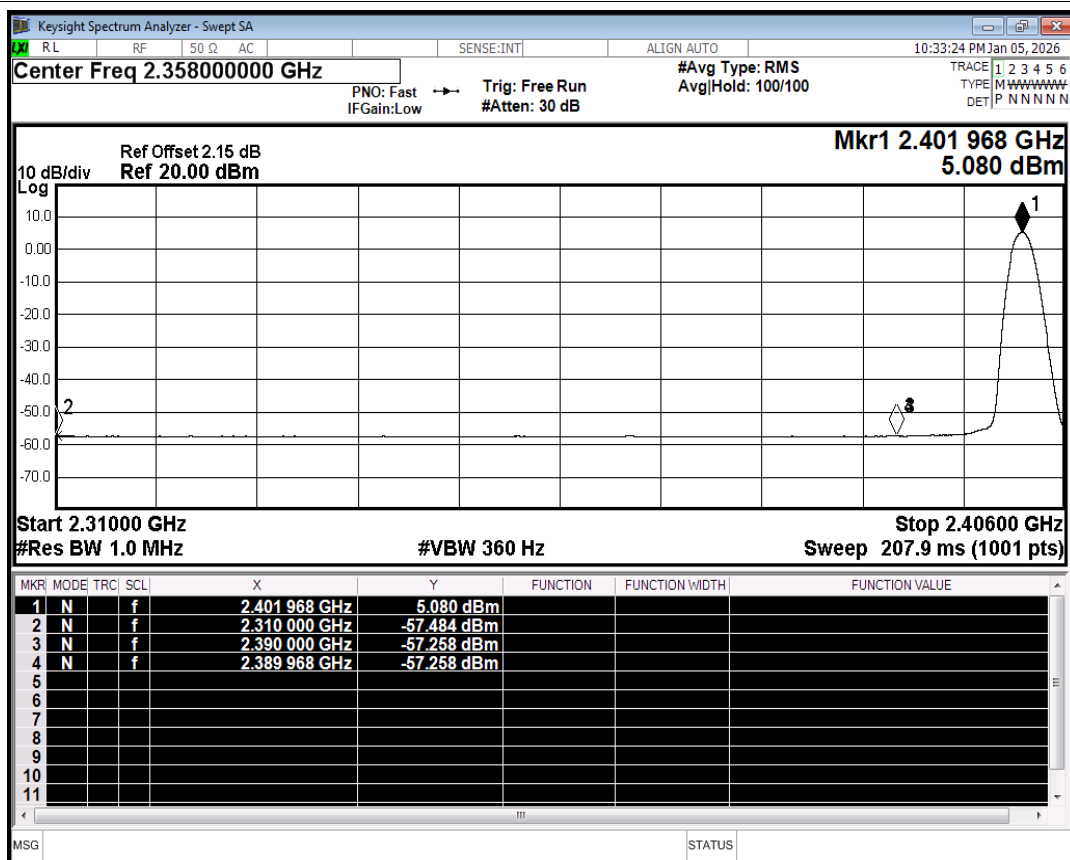
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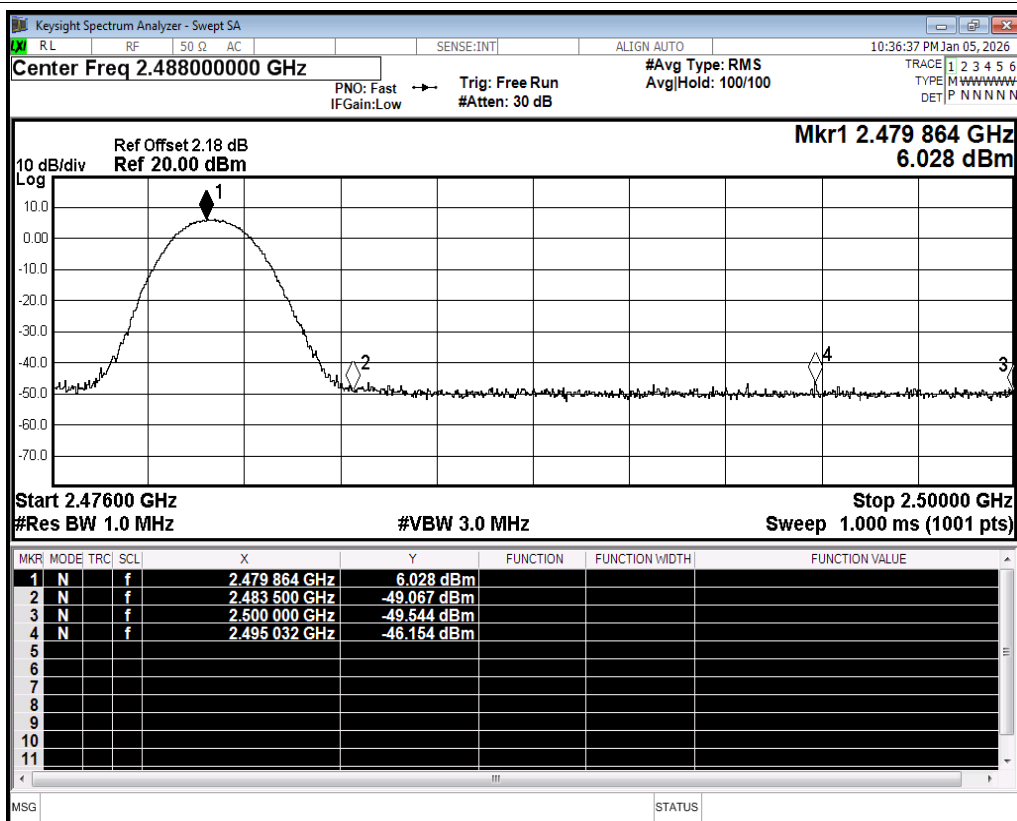
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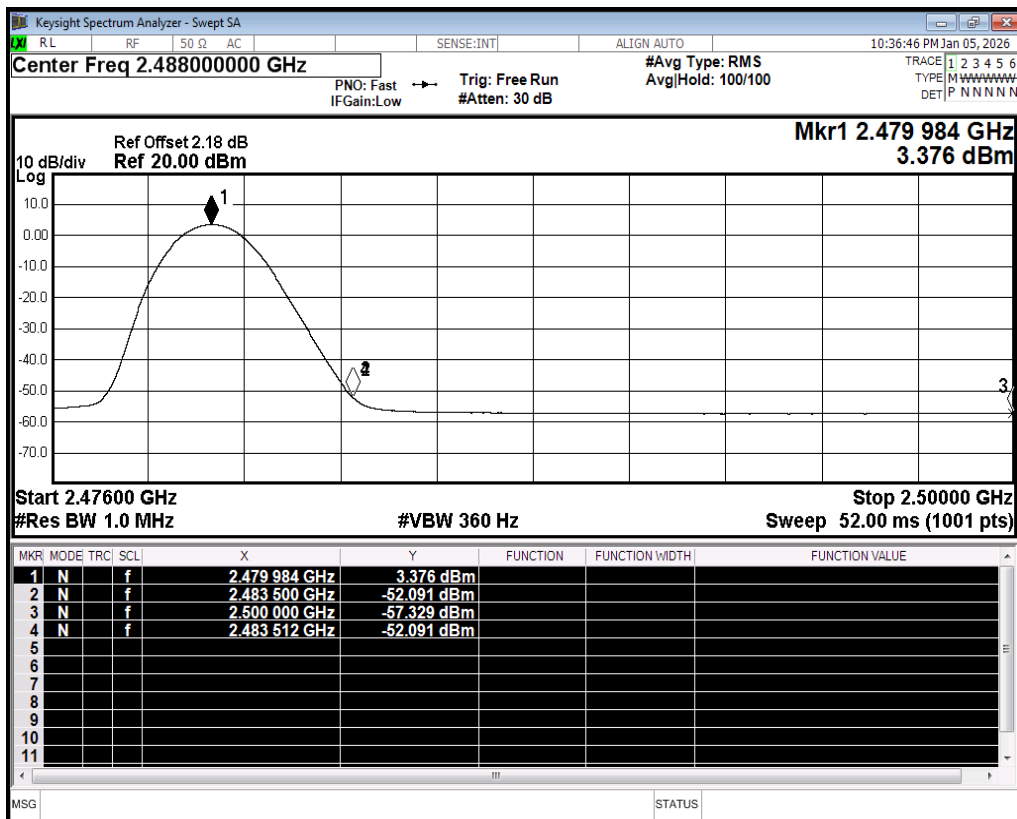
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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