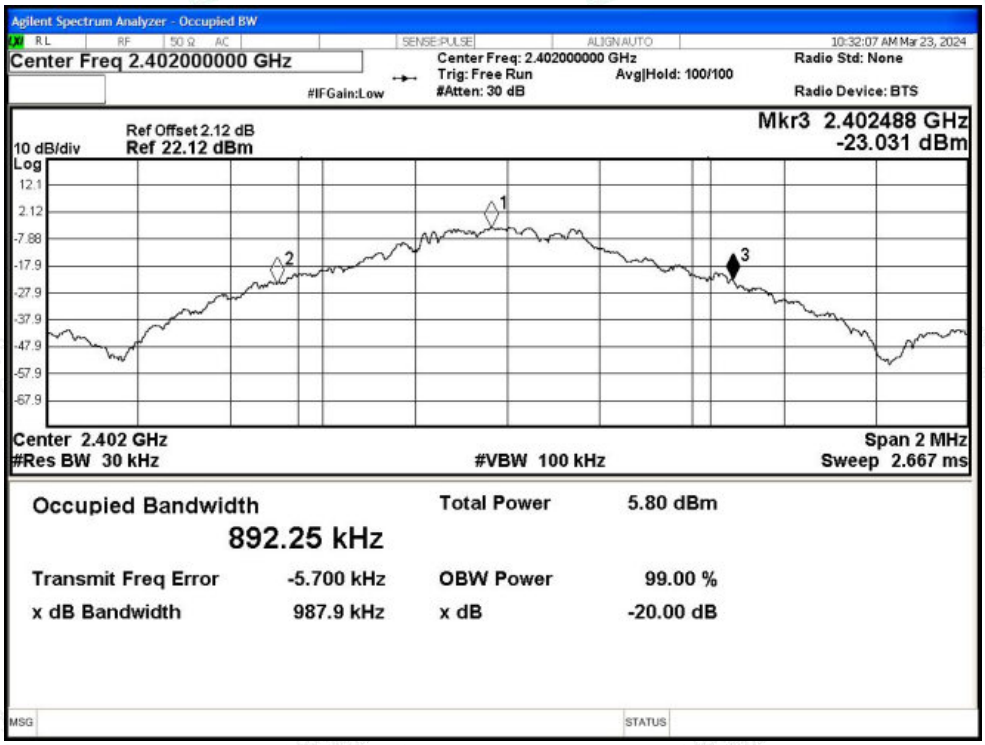
A.1 -20dB Bandwidth

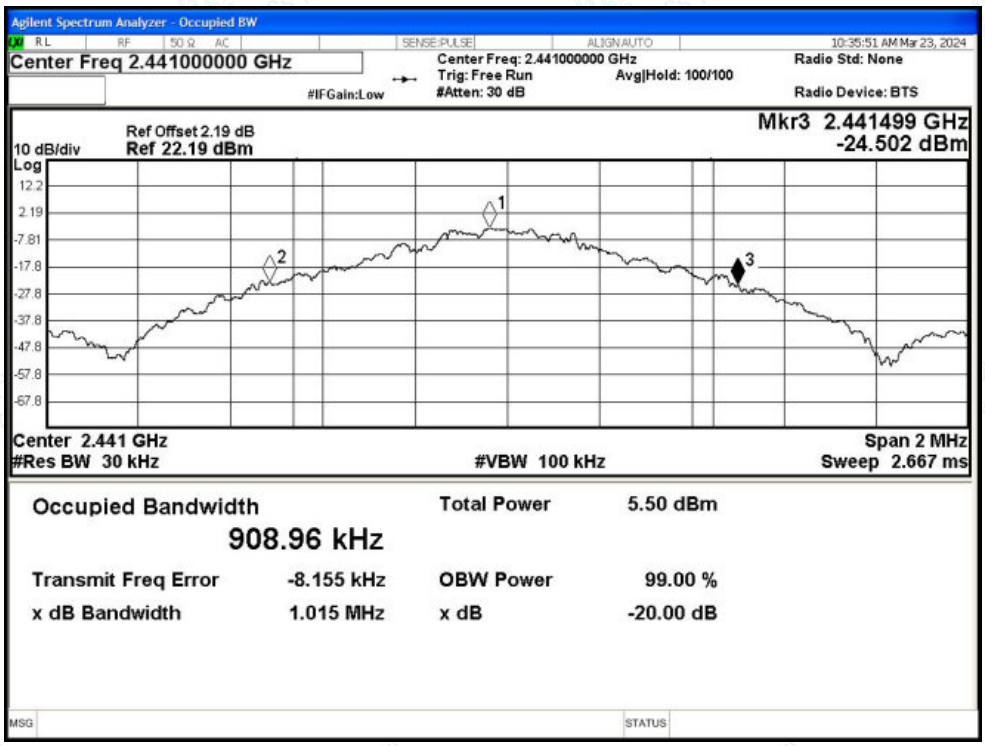
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.988	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.015	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.982	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.285	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.284	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.287	N/A	Pass

Test Graphs

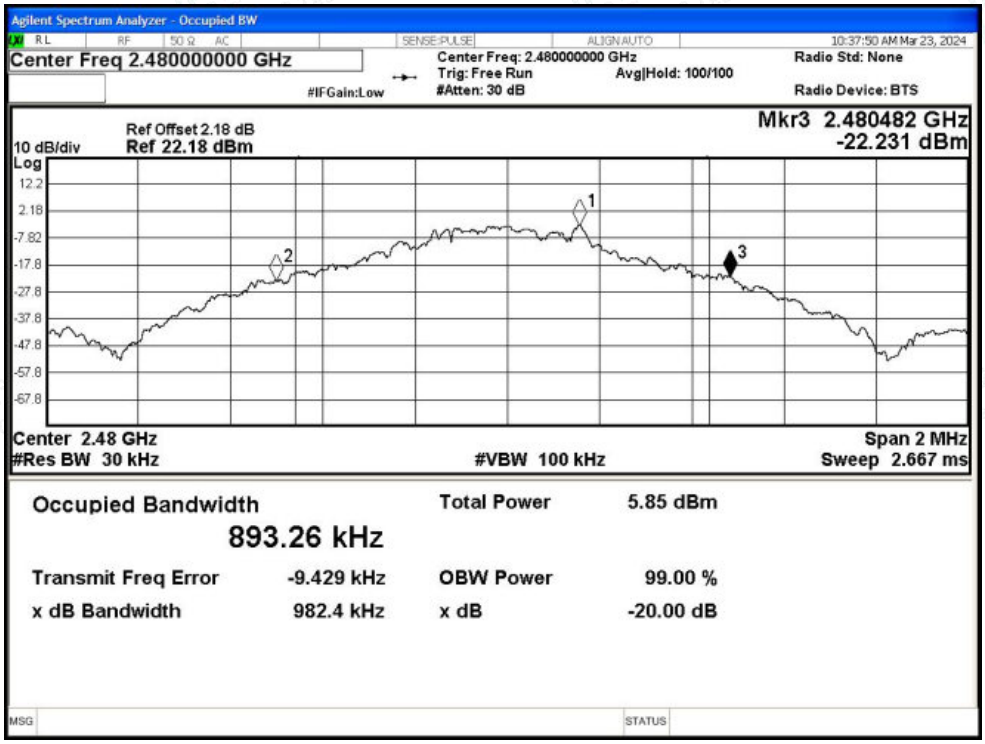
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



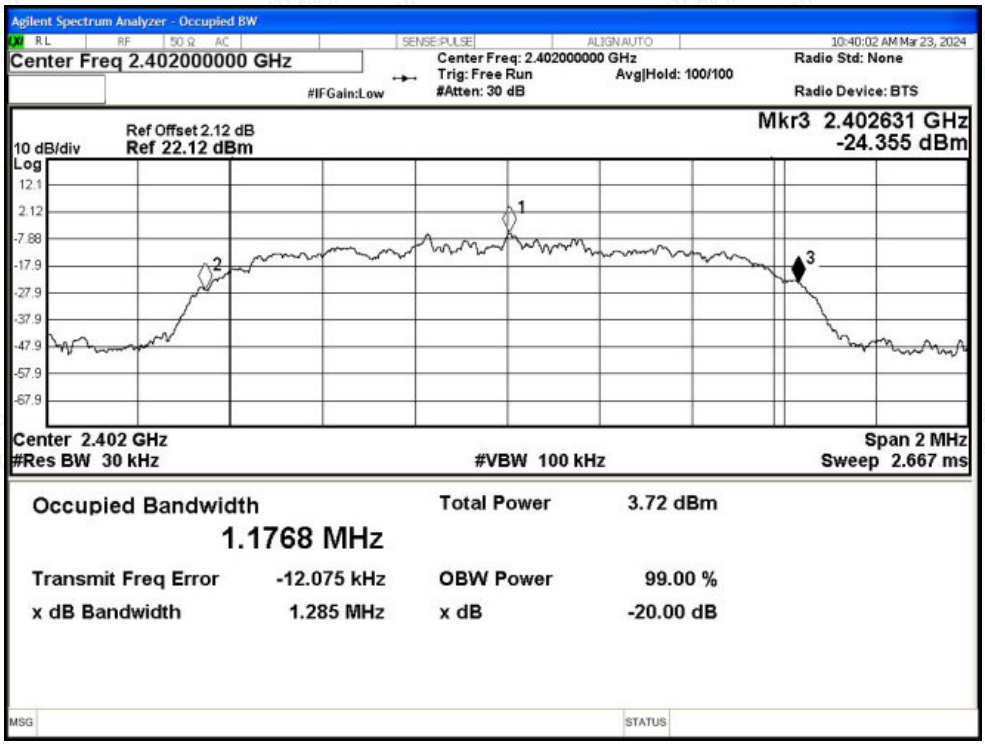
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



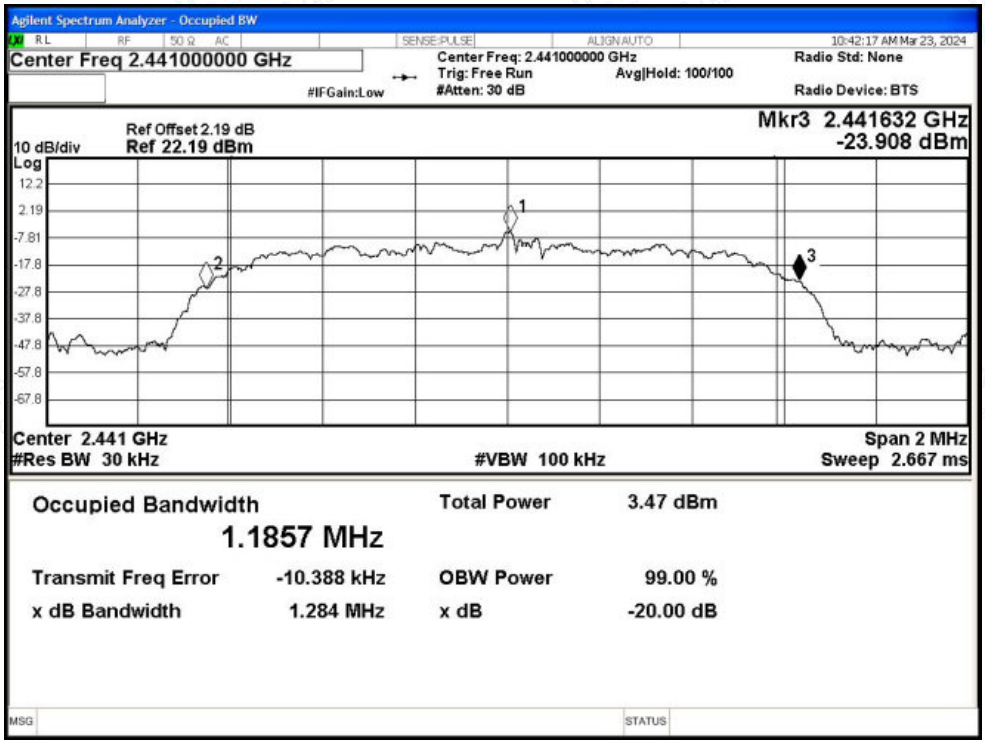
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



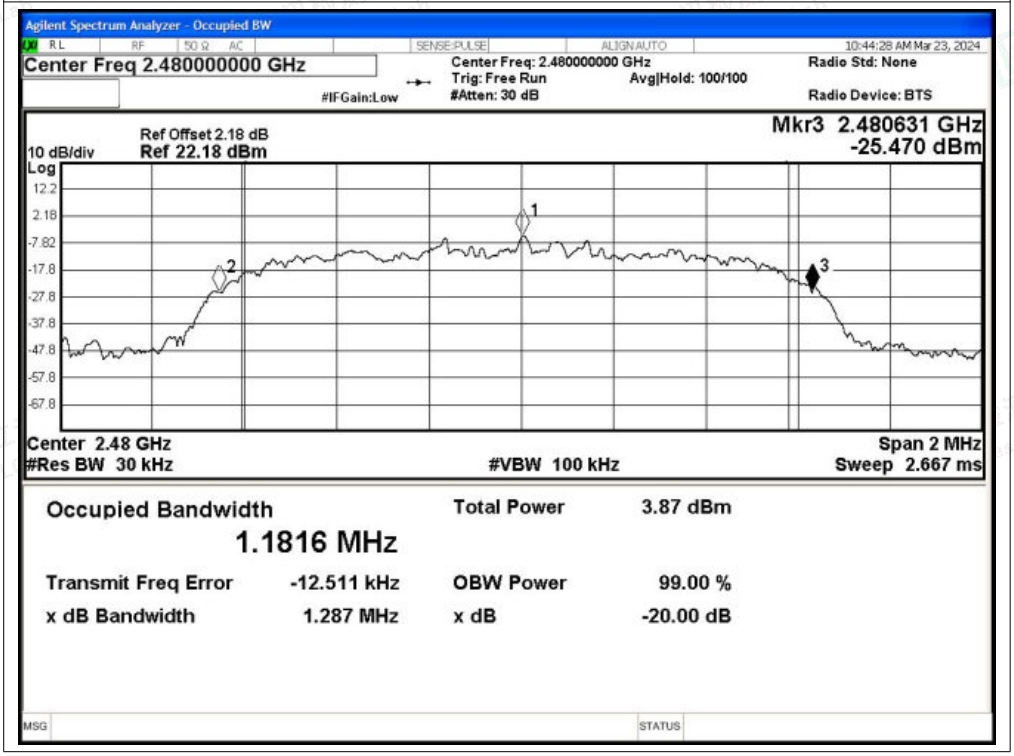
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

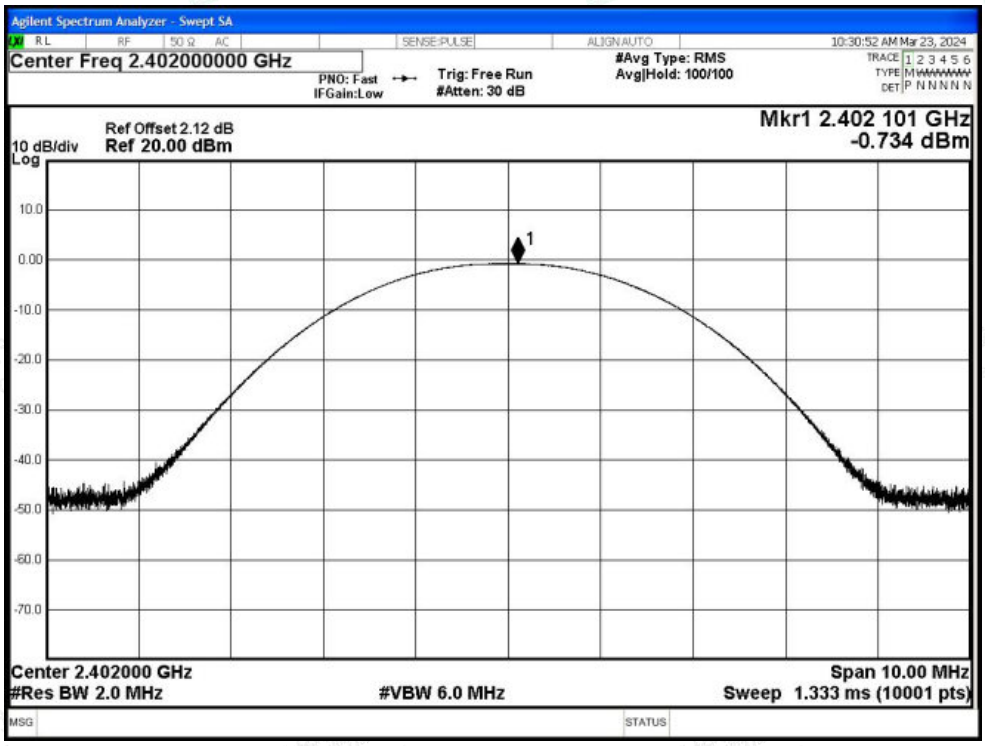


A.2 Maximum Conducted Output Power

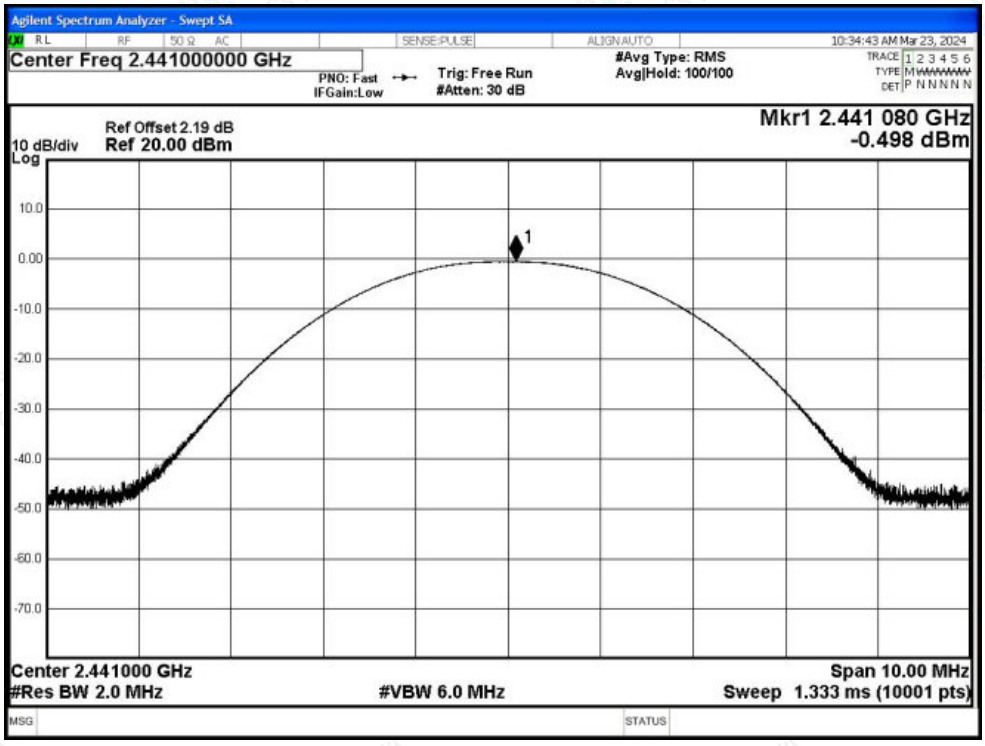
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.73	21	Pass
NVNT	1-DH5	2441	Ant1	-0.5	21	Pass
NVNT	1-DH5	2480	Ant1	-0.48	21	Pass
NVNT	2-DH5	2402	Ant1	-1.03	21	Pass
NVNT	2-DH5	2441	Ant1	-0.67	21	Pass
NVNT	2-DH5	2480	Ant1	-0.69	21	Pass

Test Graphs

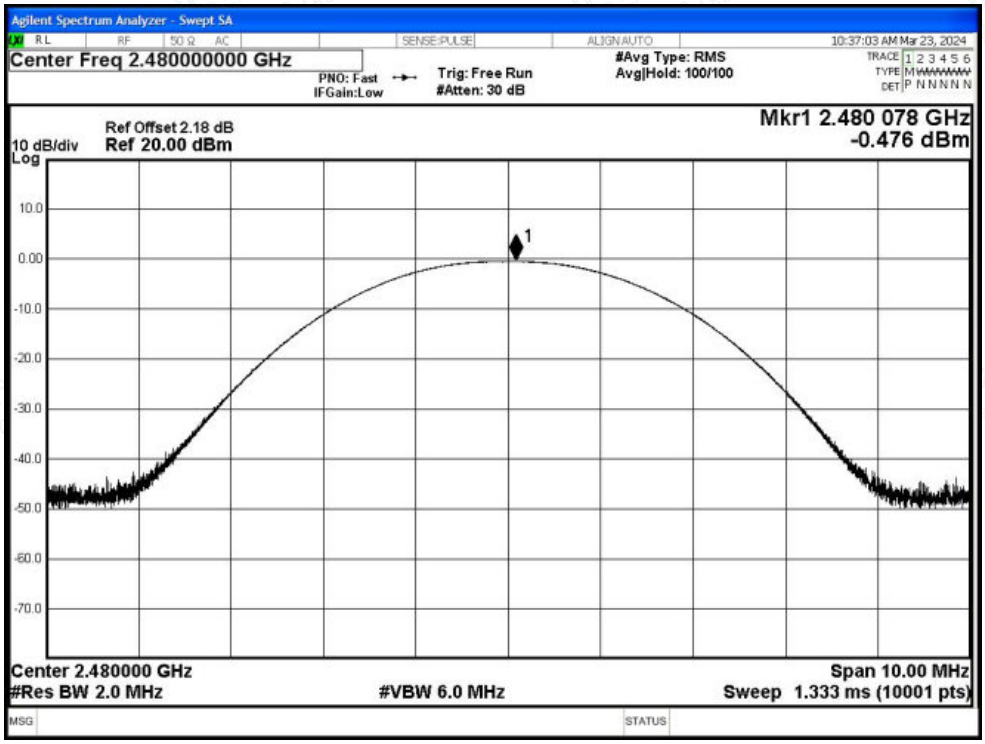
Power NVNT 1-DH5 2402MHz Ant1



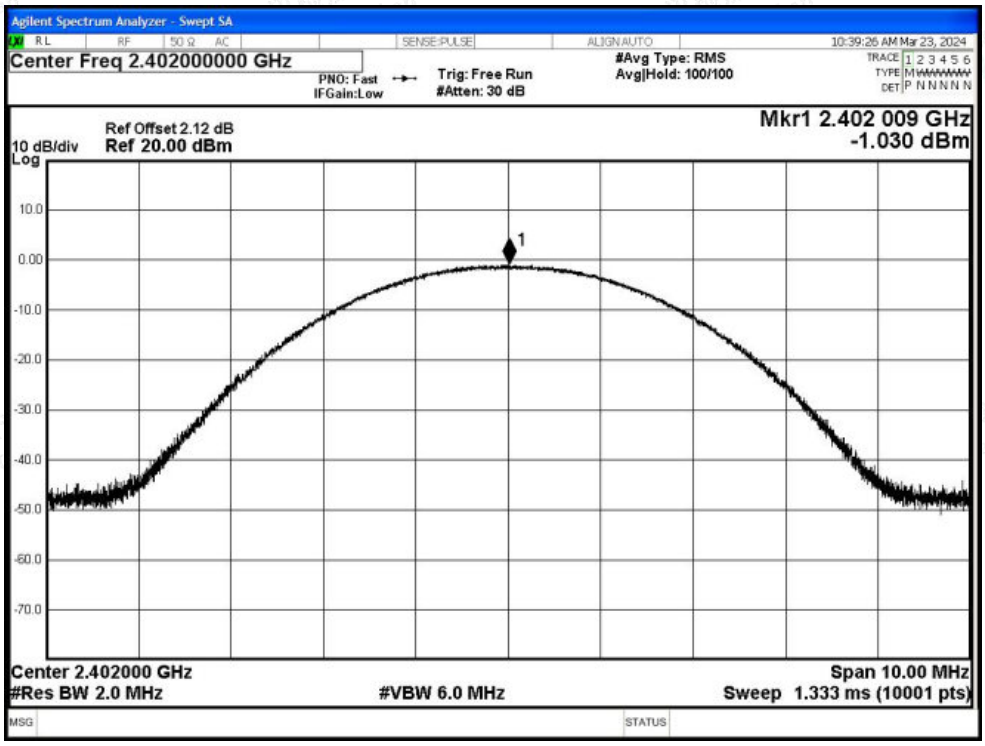
Power NVNT 1-DH5 2441MHz Ant1



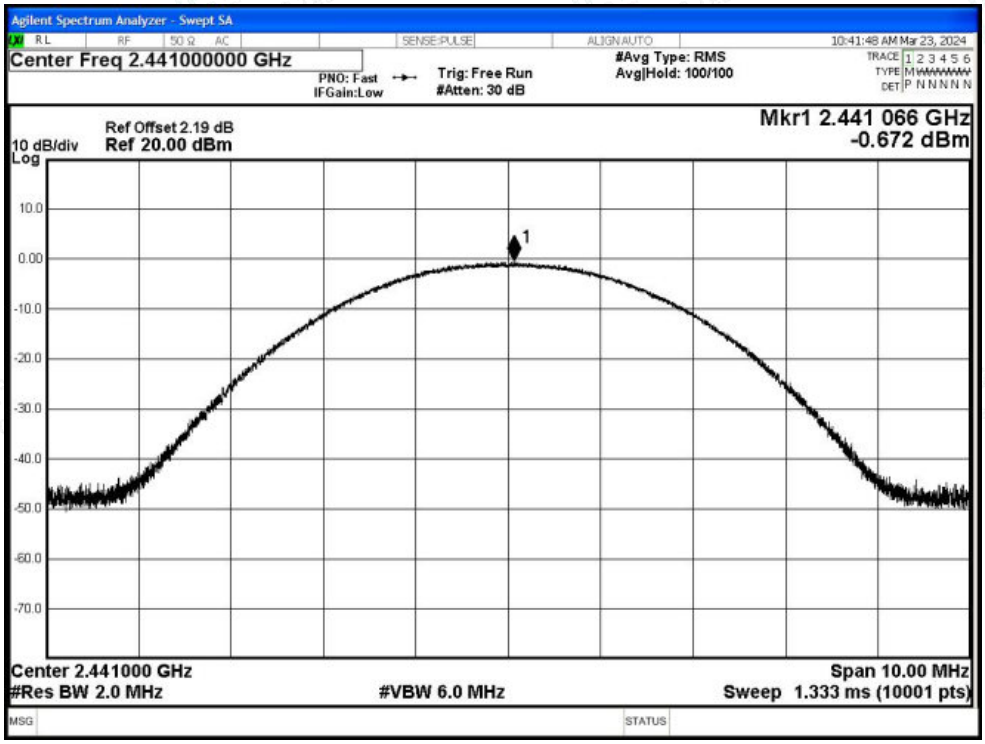
Power NVNT 1-DH5 2480MHz Ant1



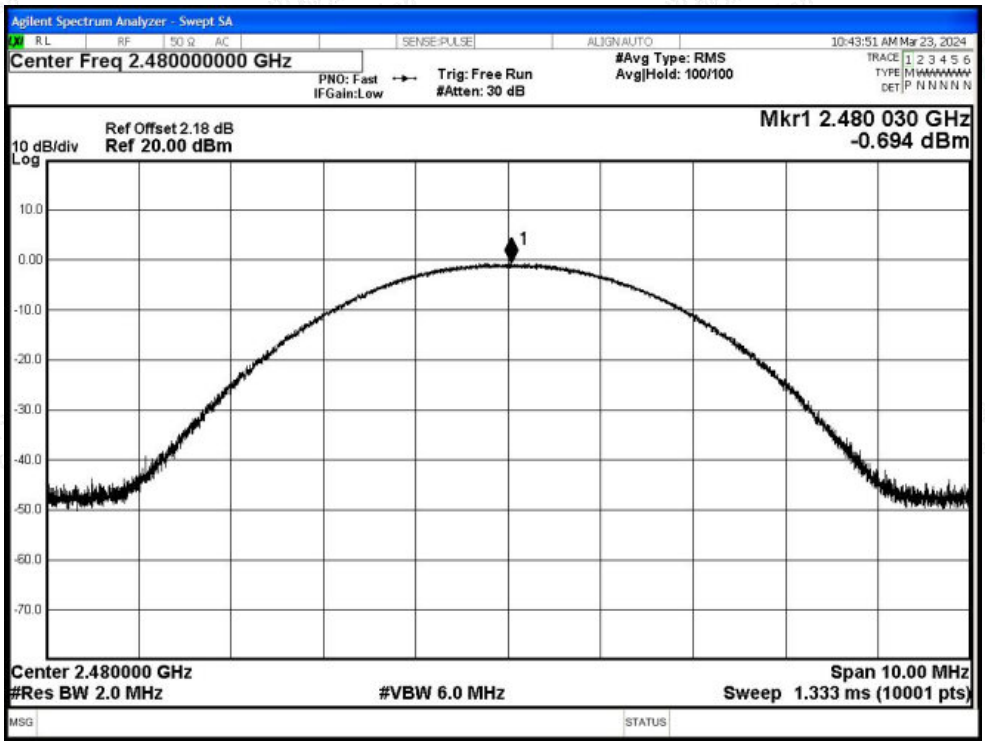
Power NVNT 2-DH5 2402MHz Ant1



Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1

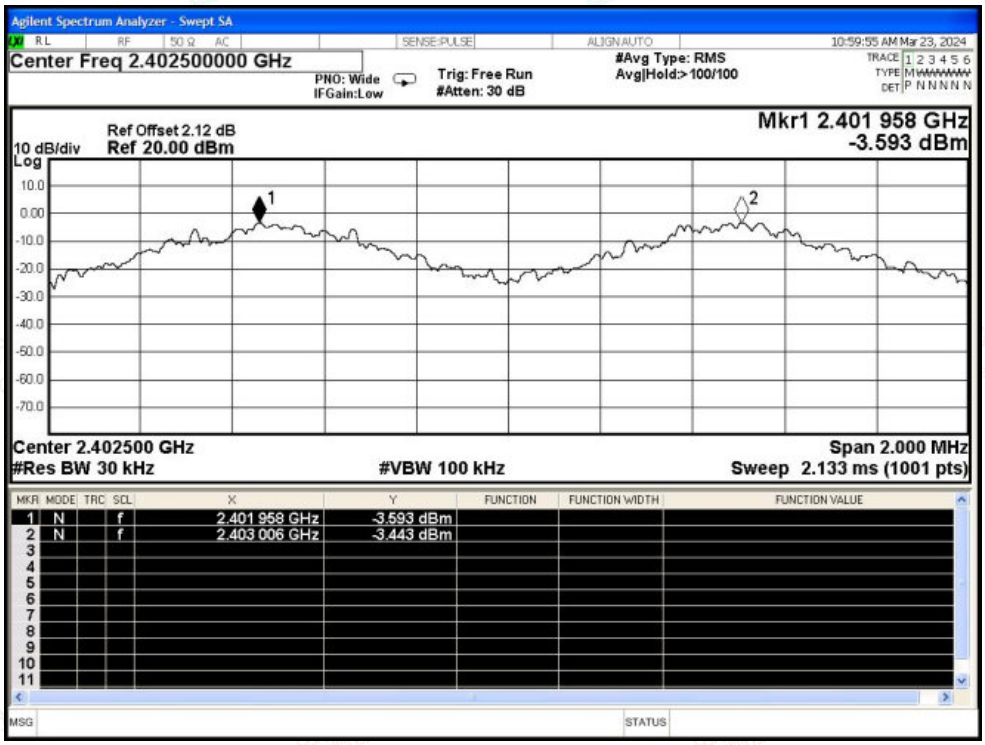


A.3 Carrier Frequencies Separation

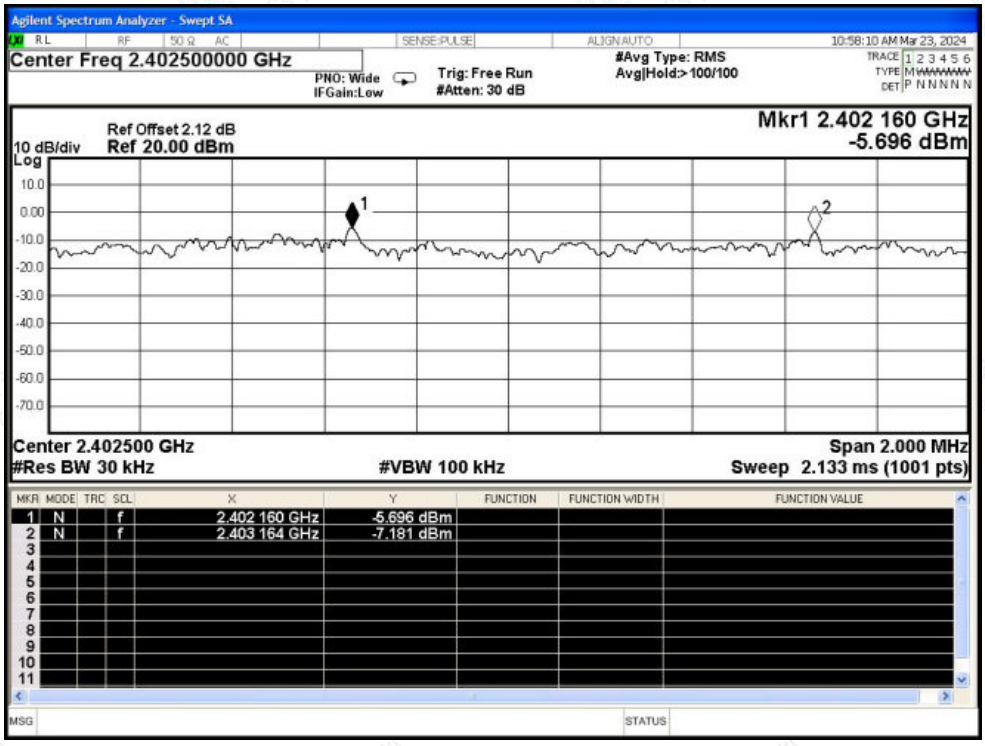
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.958	2403.006	1.048	0.677	Pass
NVNT	2-DH5	Ant1	2402.16	2403.164	1.004	0.858	Pass

Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

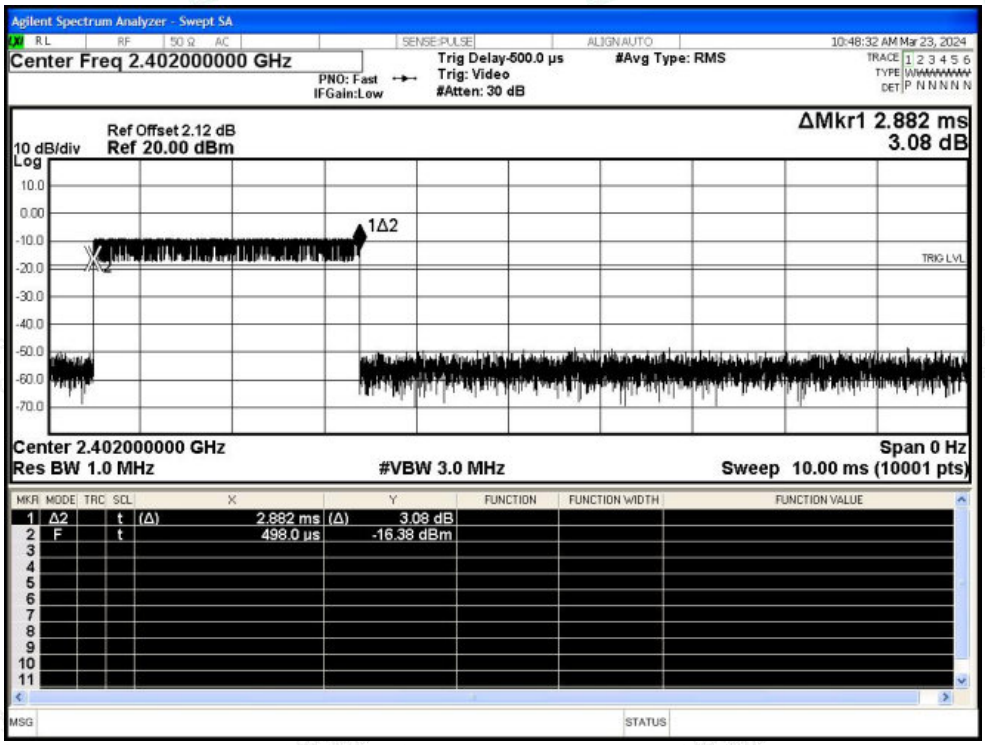


A.4 Dwell Time

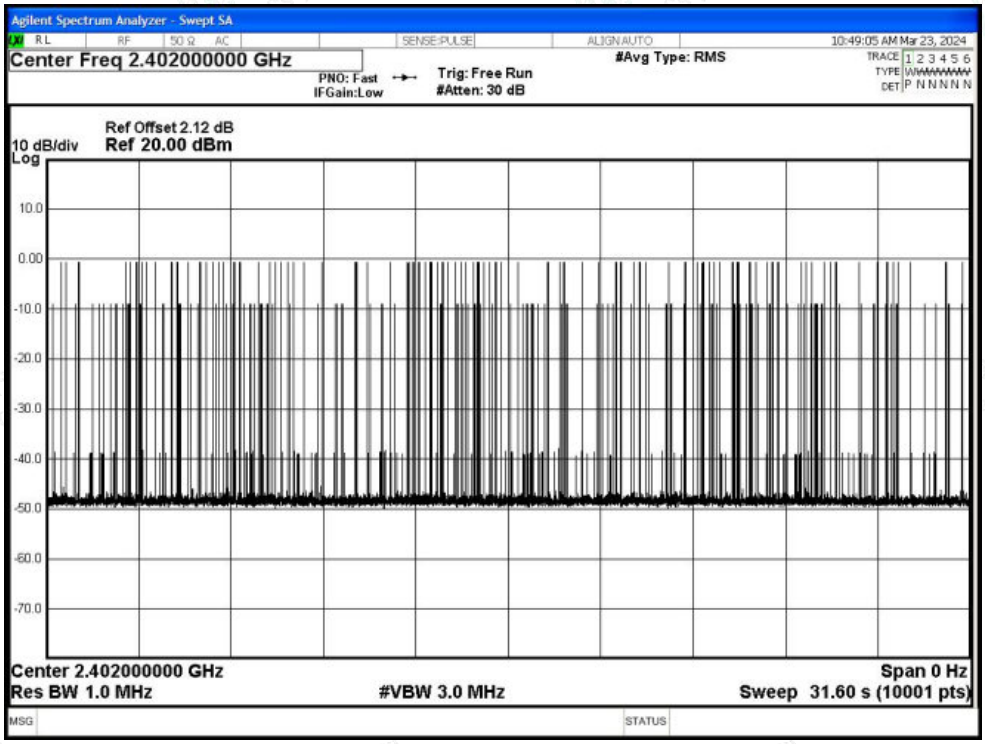
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	299.728	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	293.76	102	31600	400	Pass

Test Graphs

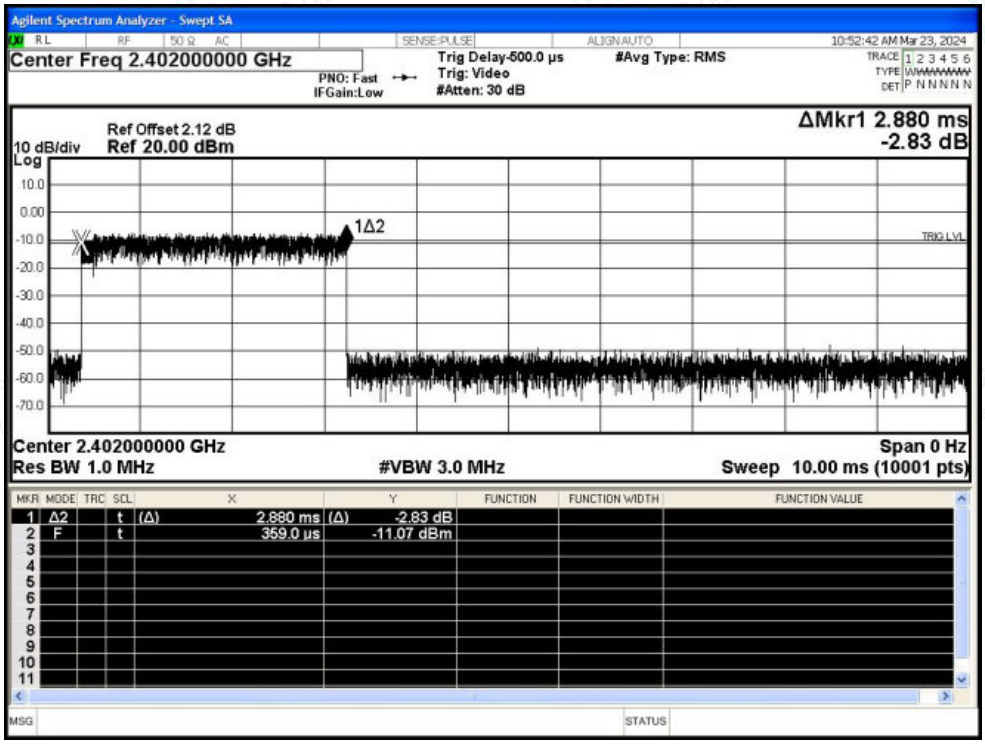
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



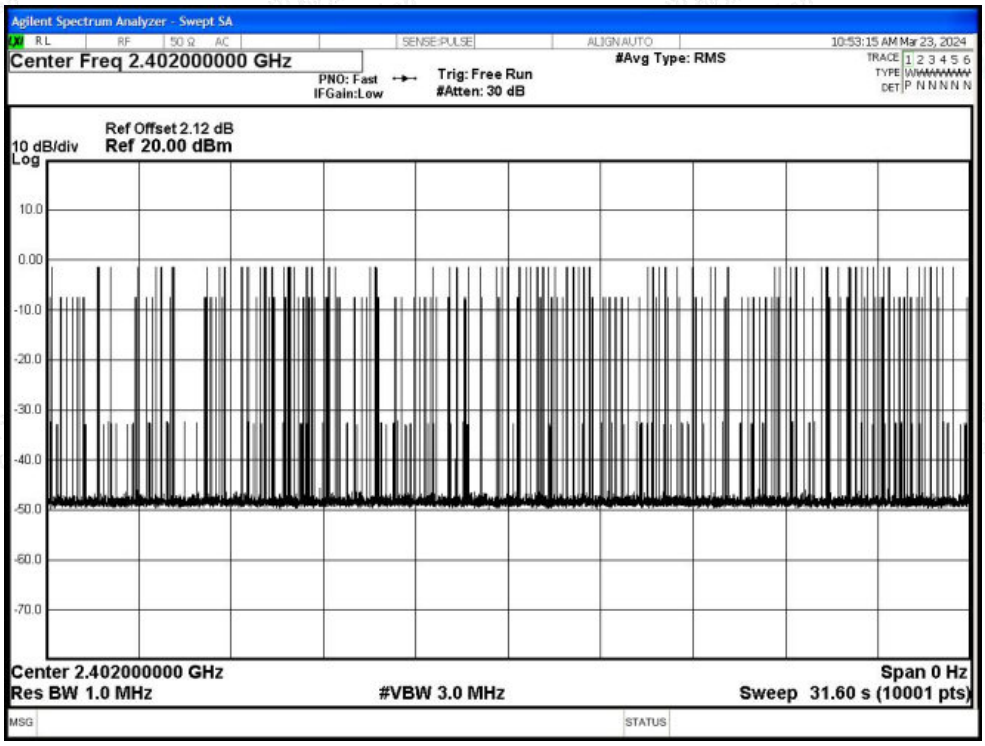
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

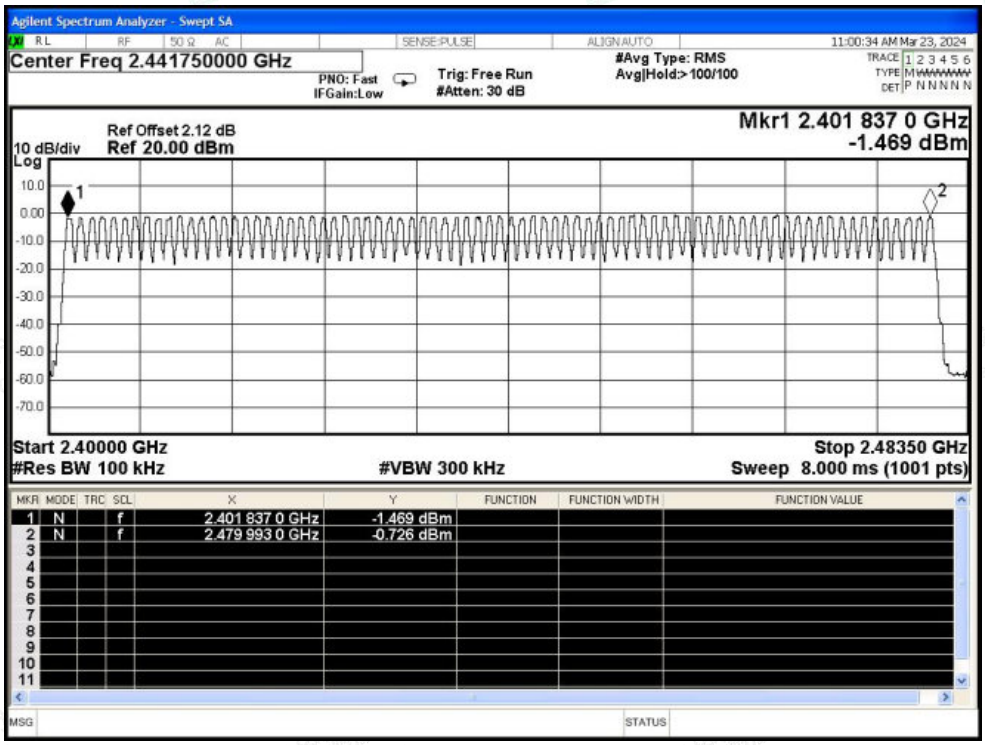


A.5 Number of Hopping Channel

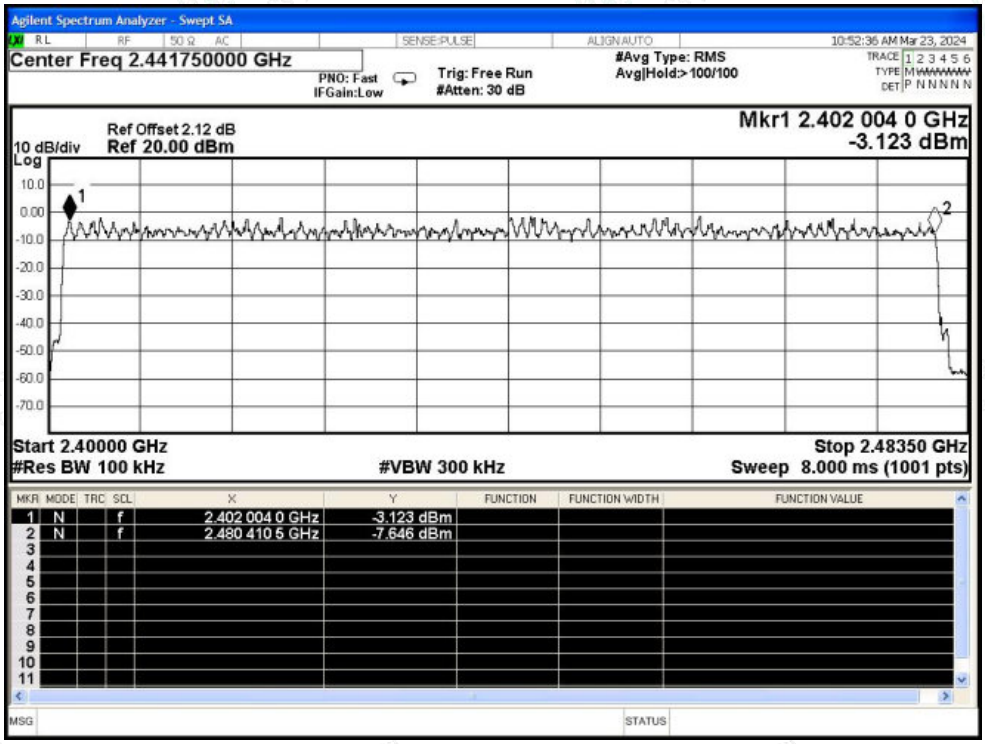
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

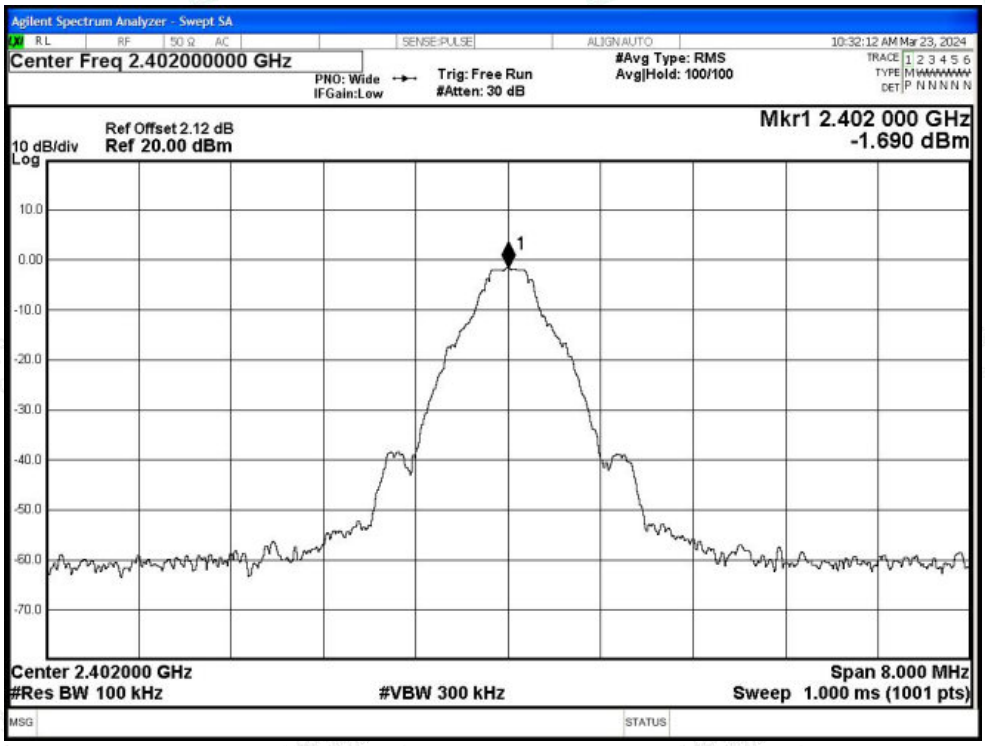


A.6 Band Edge

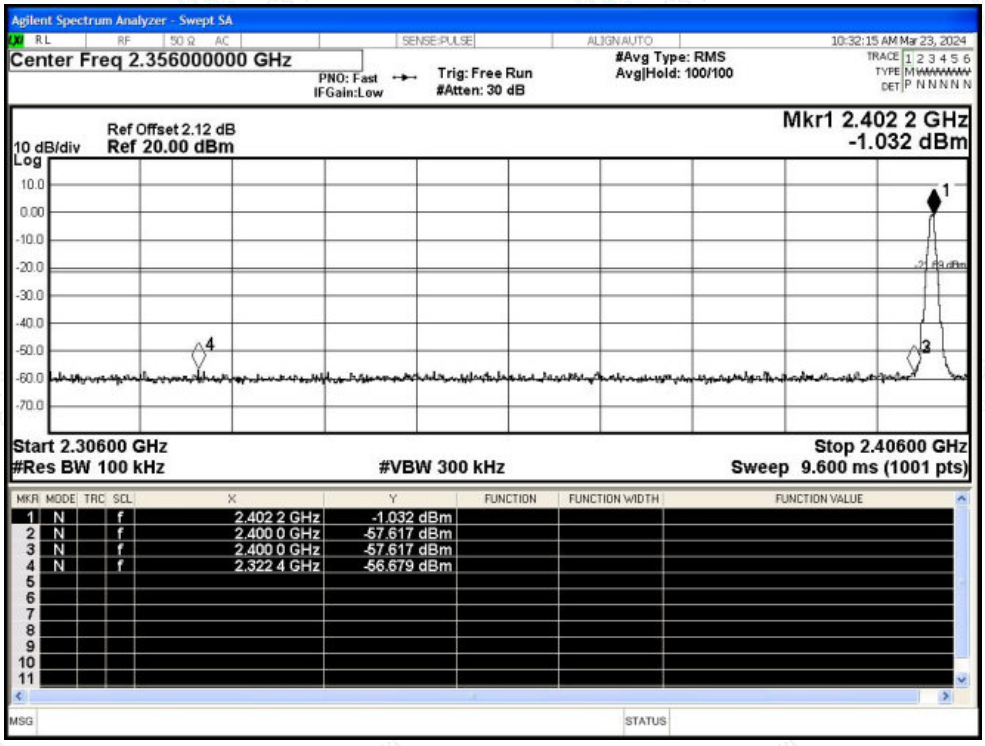
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.99	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-55.08	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.99	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.28	-20	Pass

Test Graphs

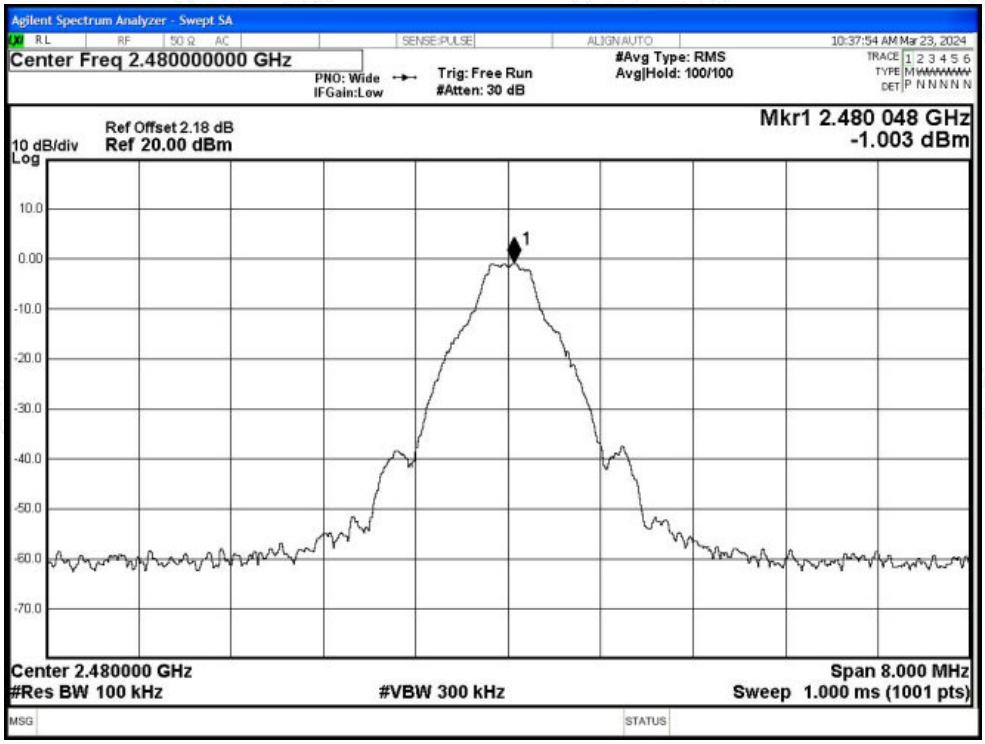
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



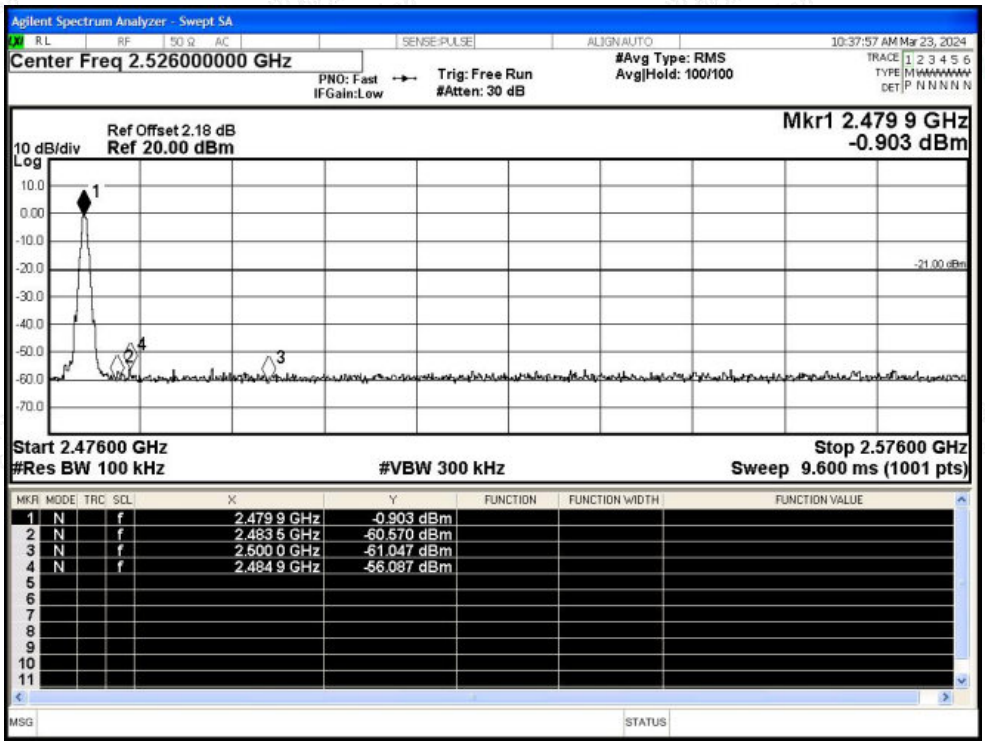
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



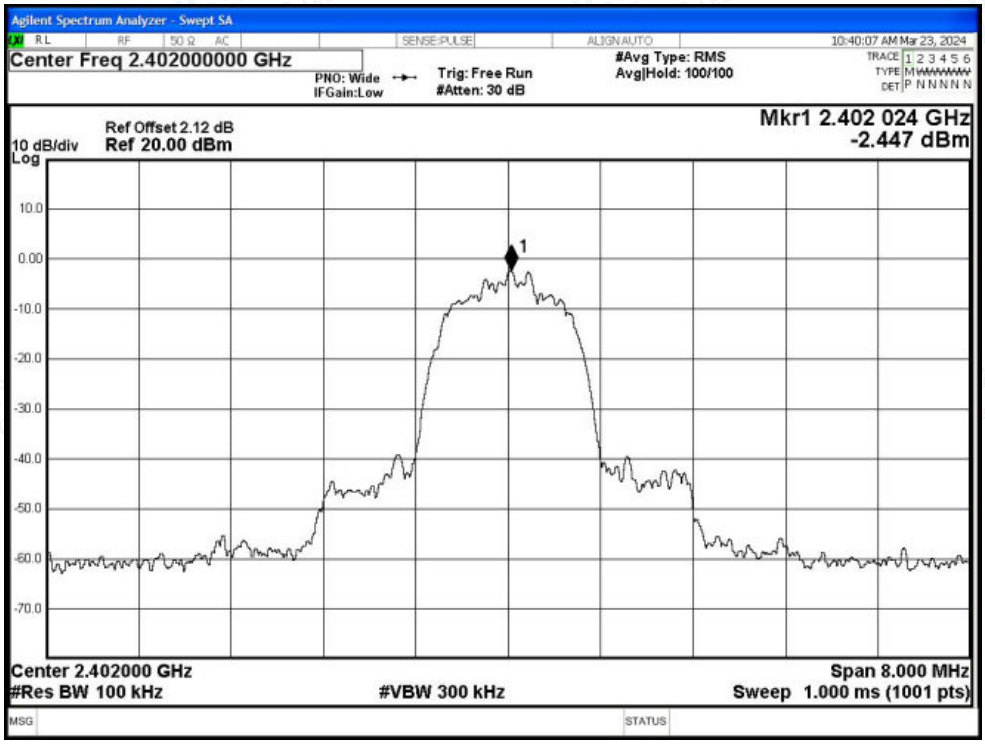
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



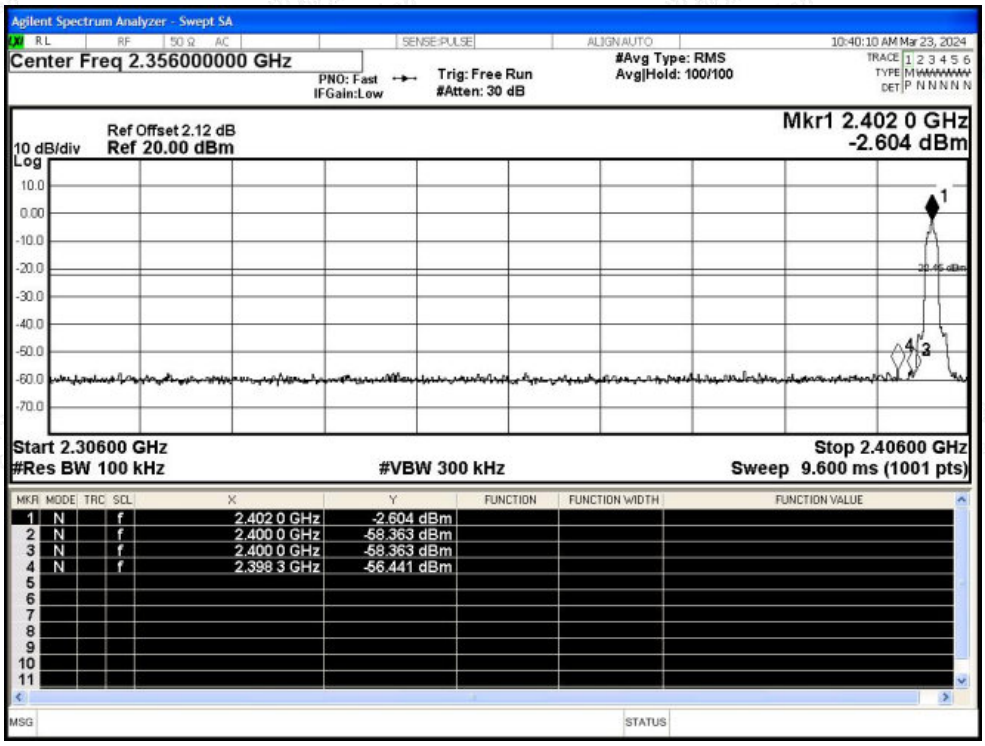
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



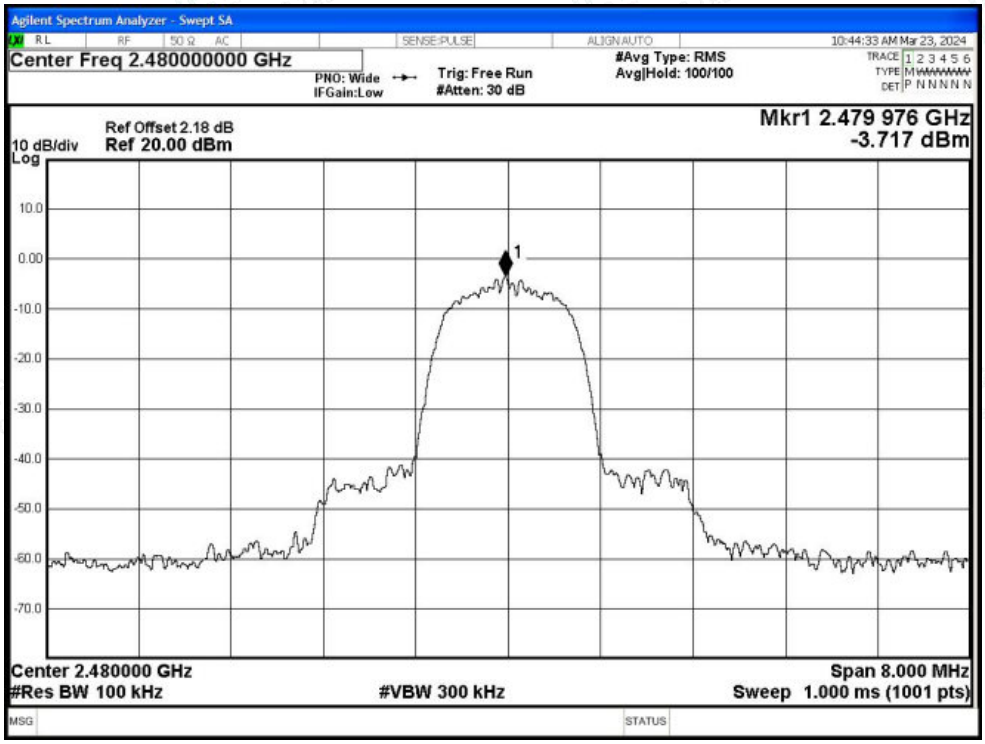
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



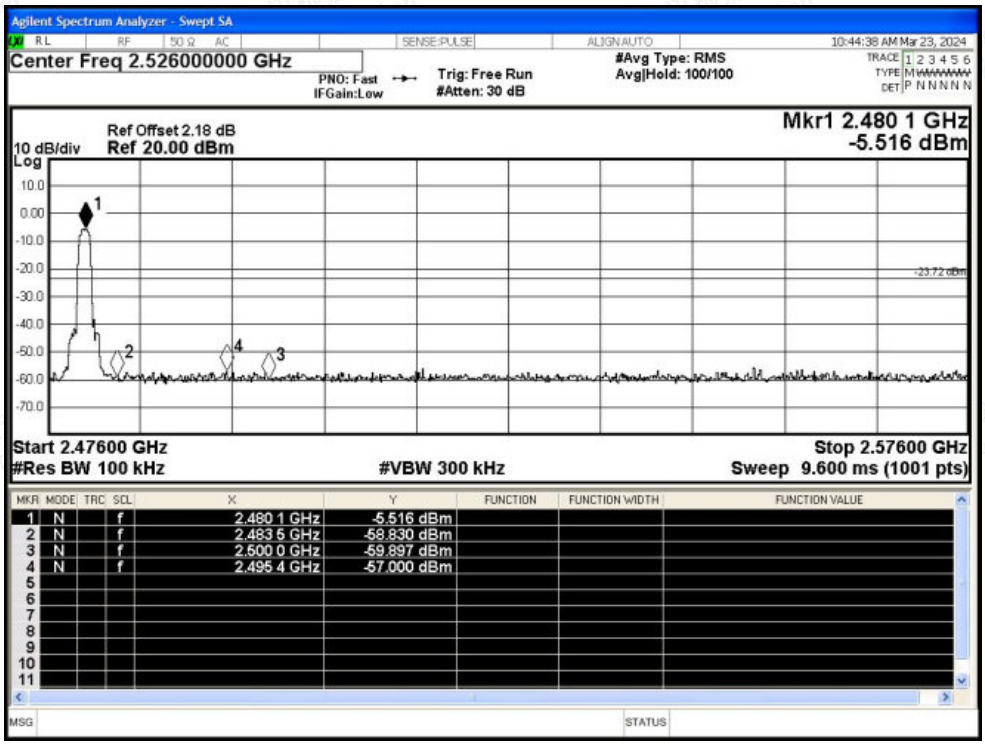
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



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



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

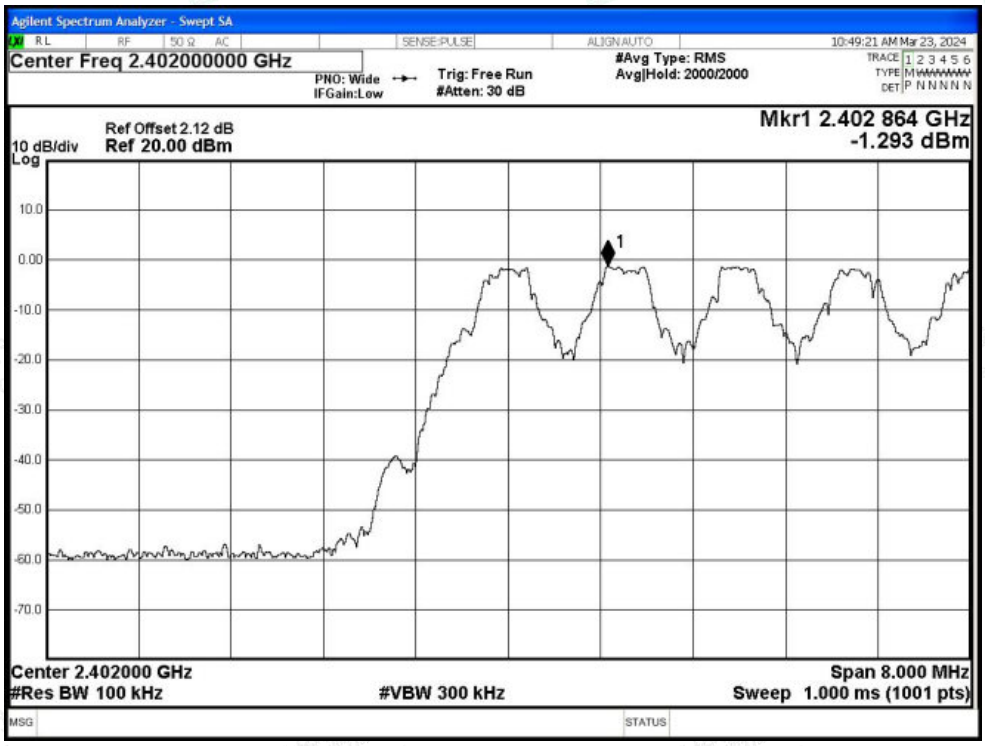


(Hopping)

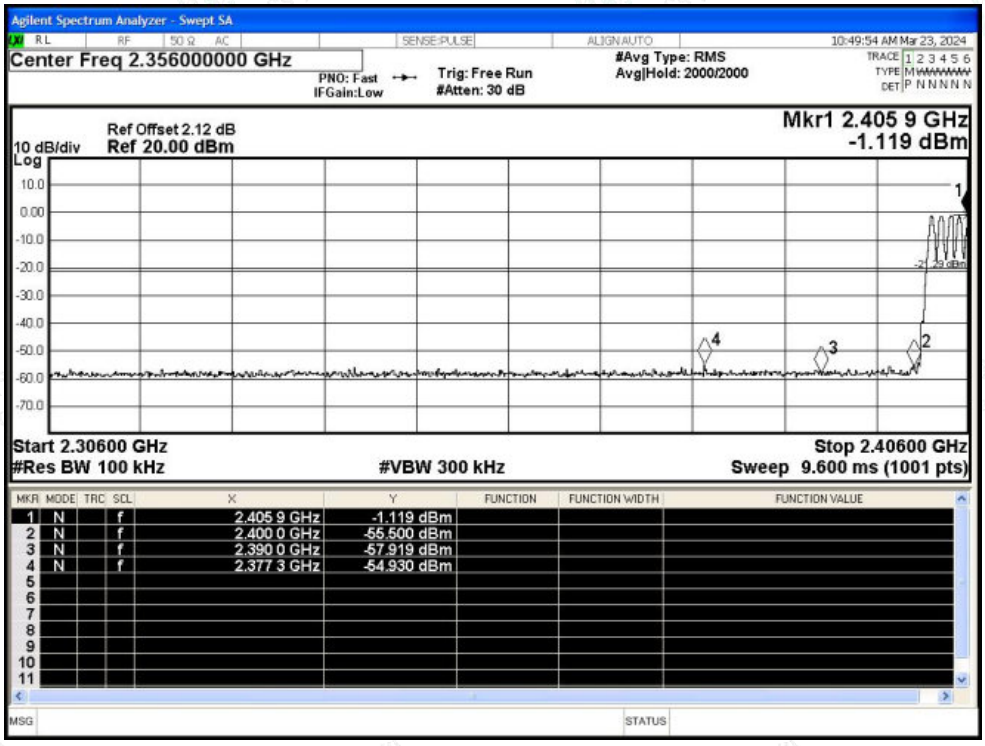
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-53.64	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.05	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.64	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.04	-20	Pass

Test Graphs

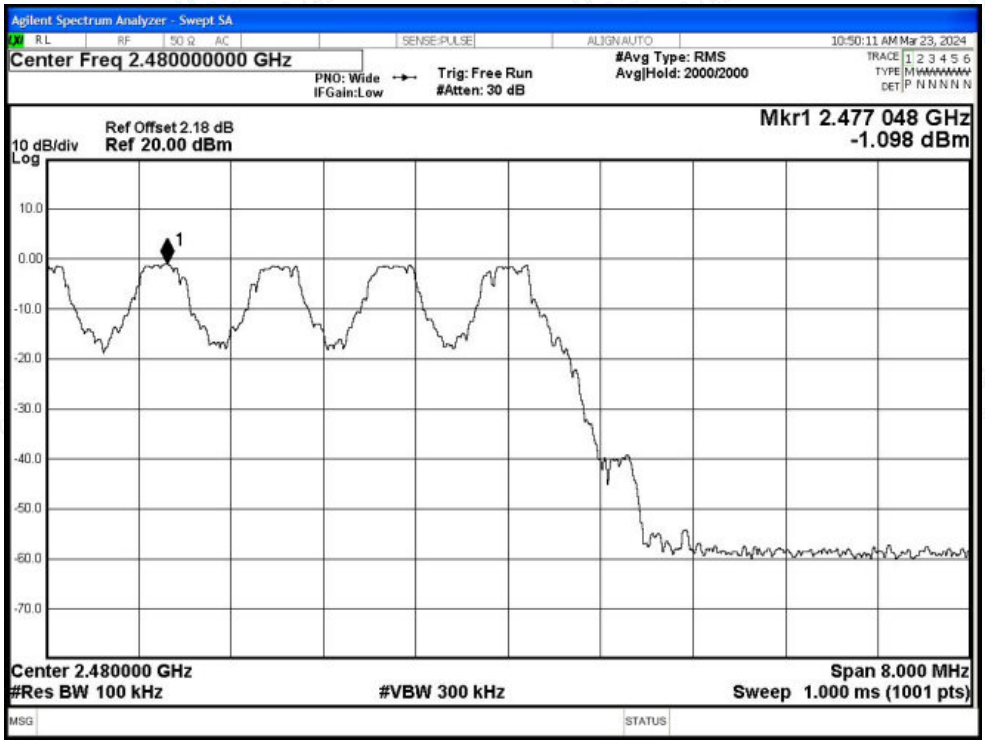
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



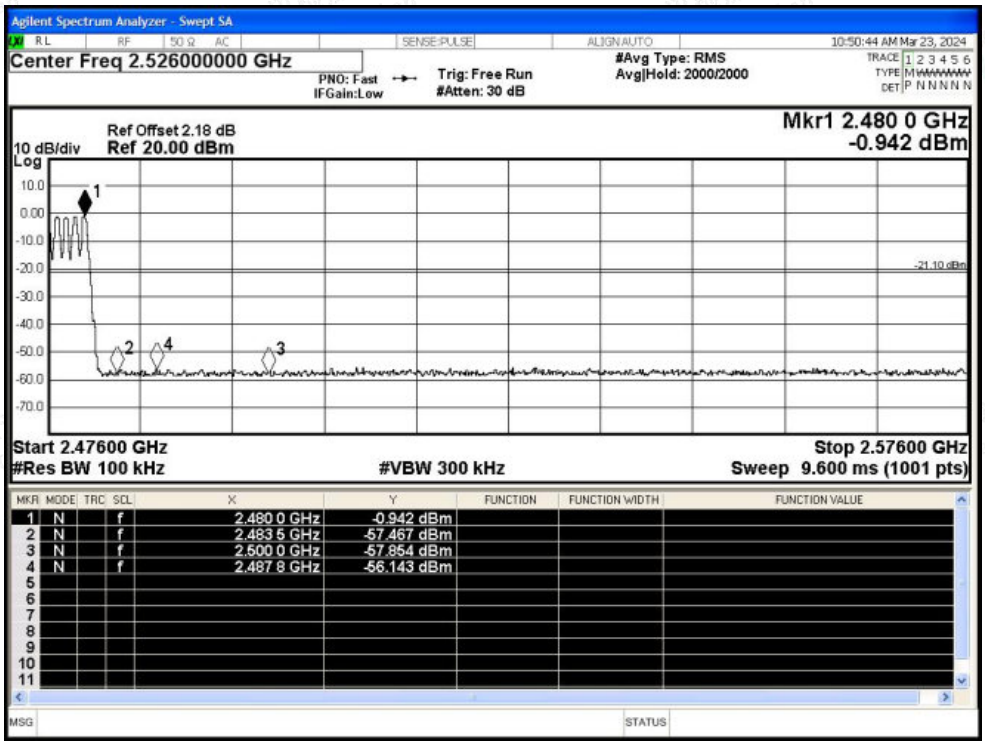
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



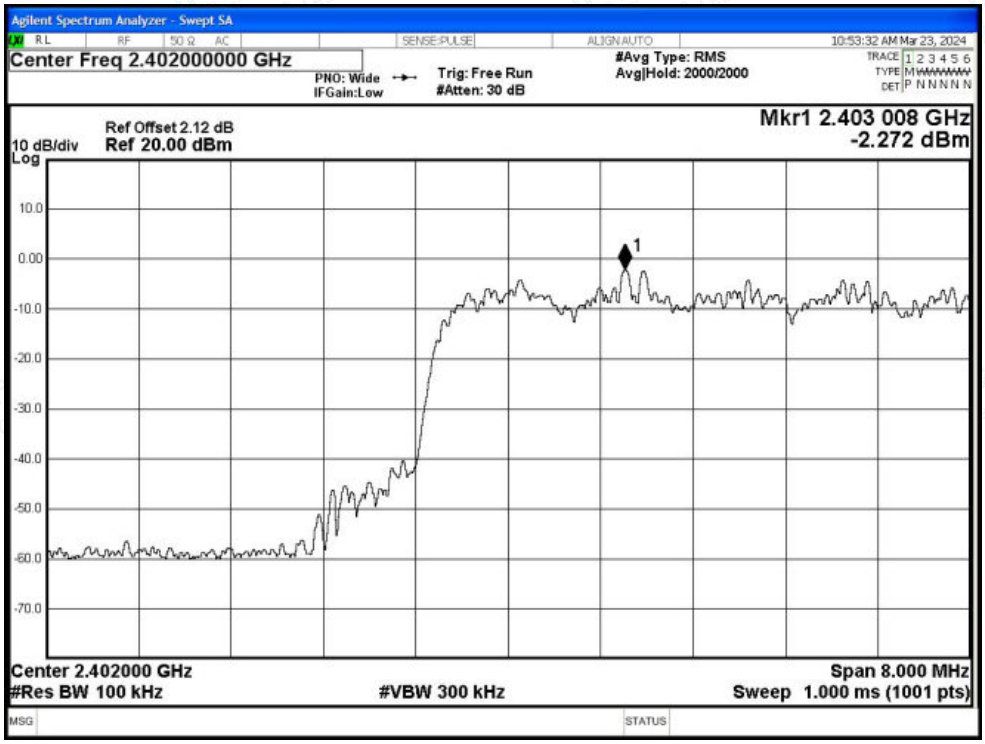
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



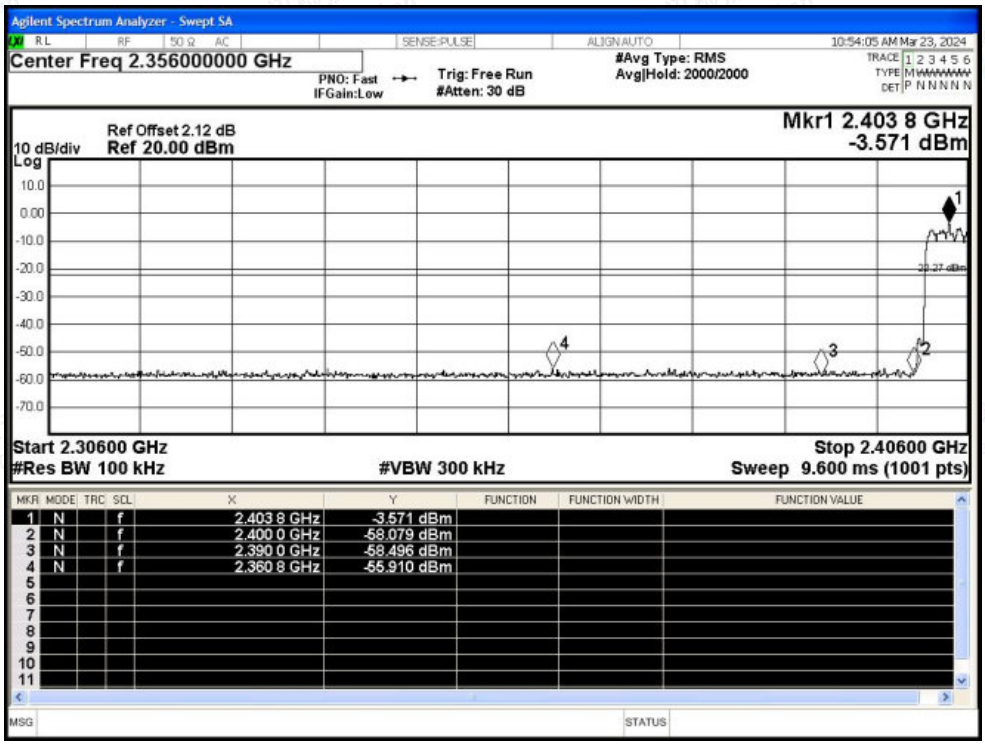
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



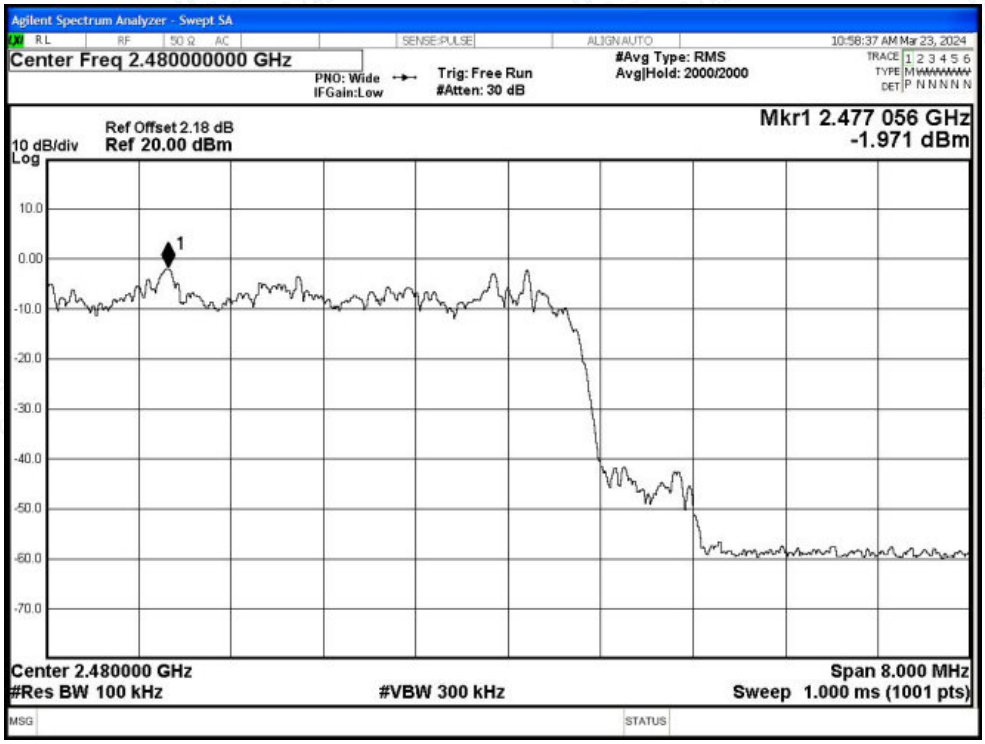
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



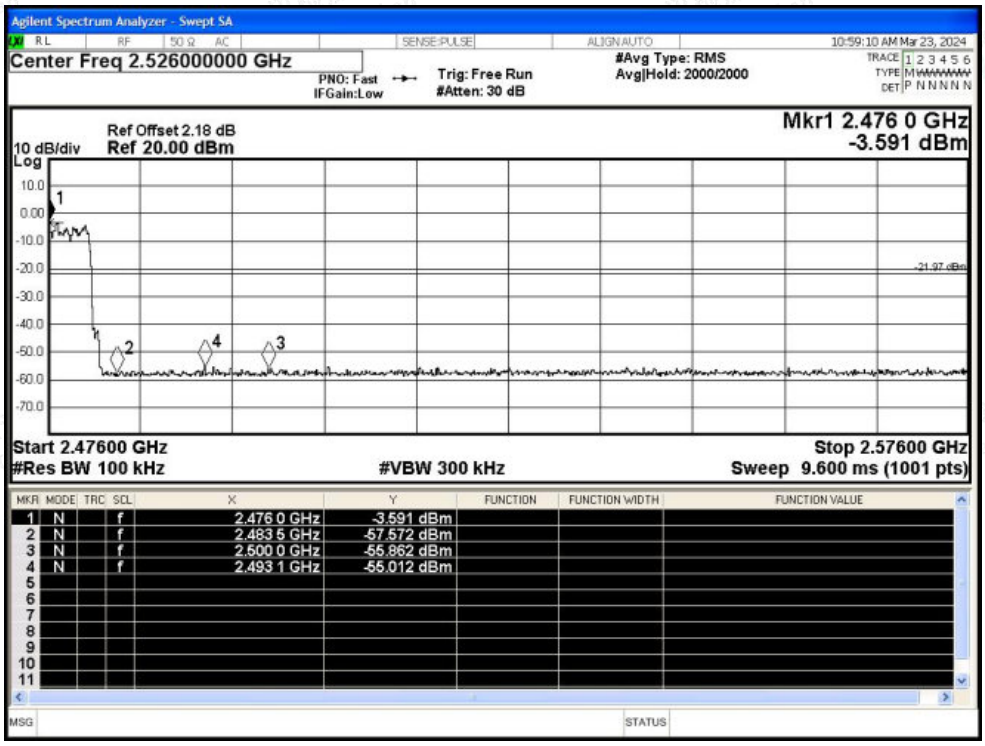
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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



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

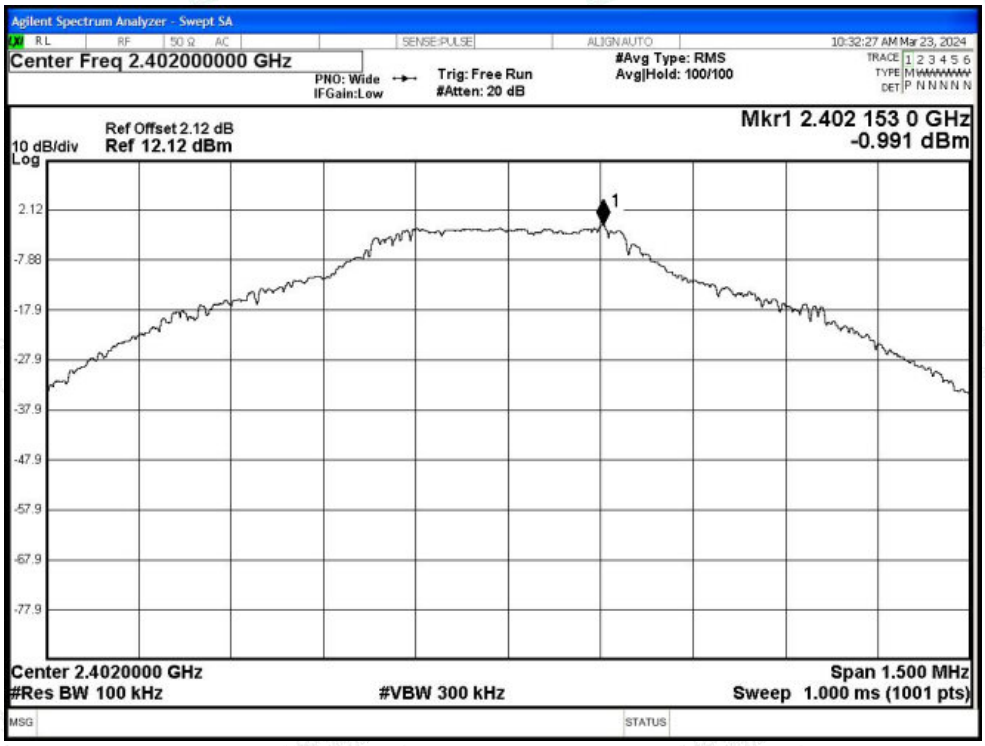


A.7 Conducted RF Spurious Emission

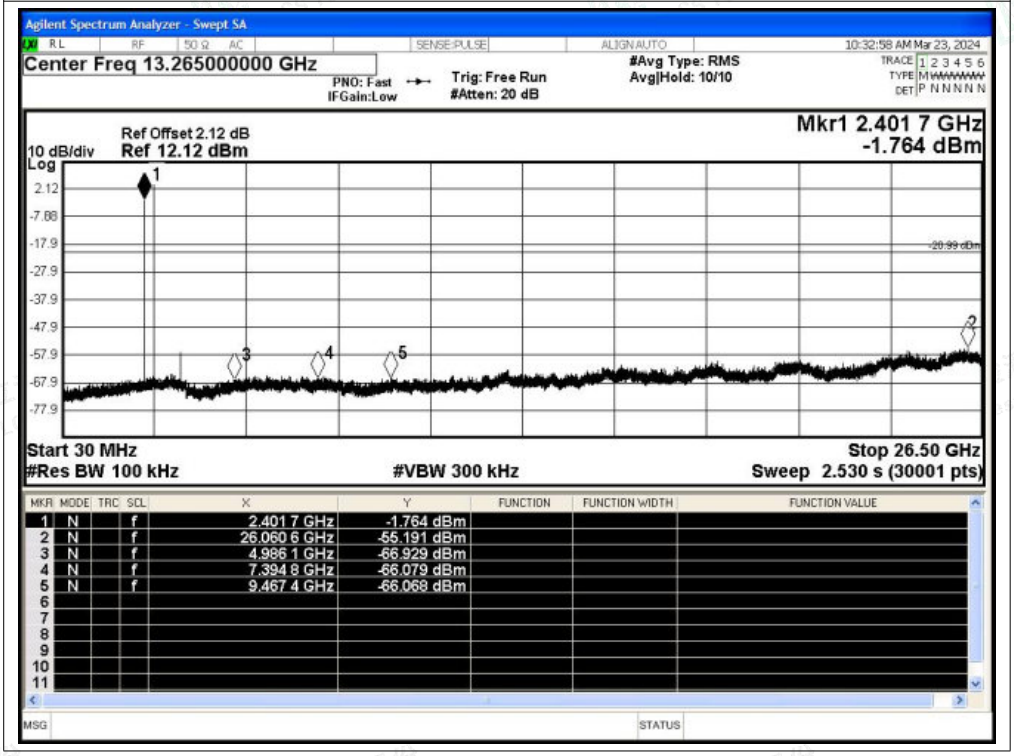
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.2	-20	Pass
NVNT	1-DH5	2441	Ant1	-53.49	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.7	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.69	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.36	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.8	-20	Pass

Test Graphs

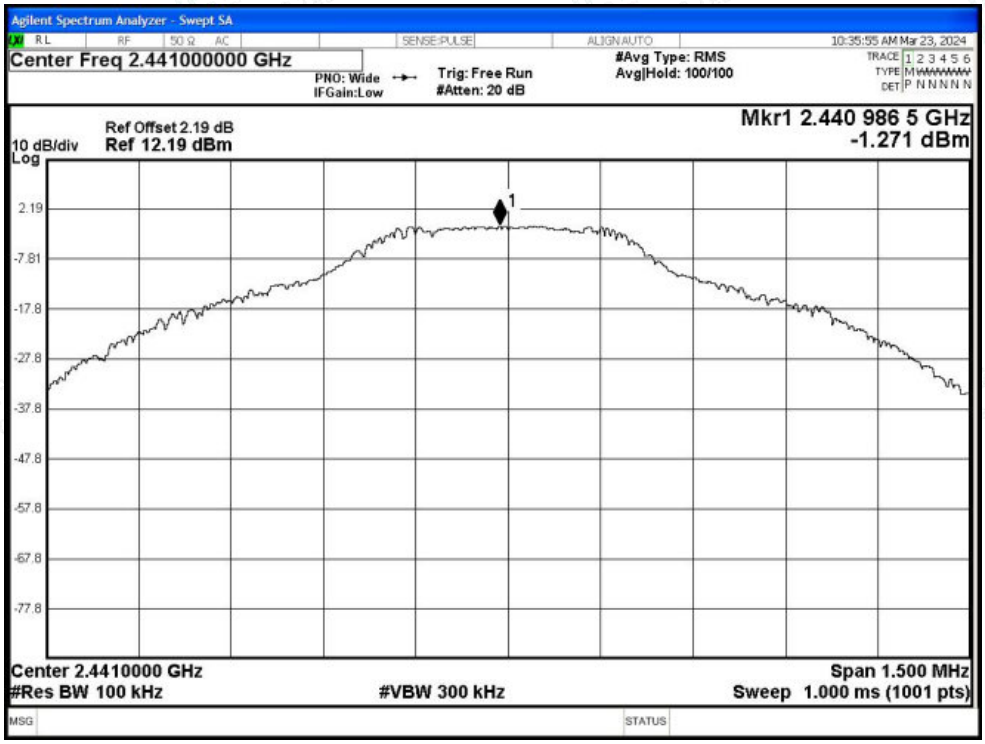
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



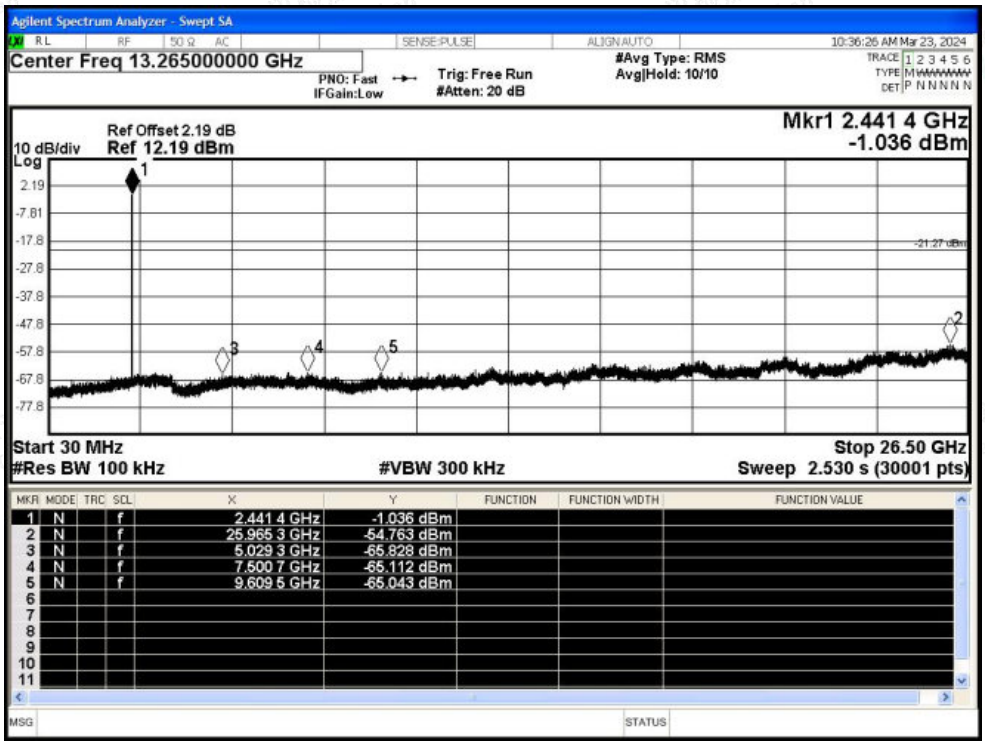
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



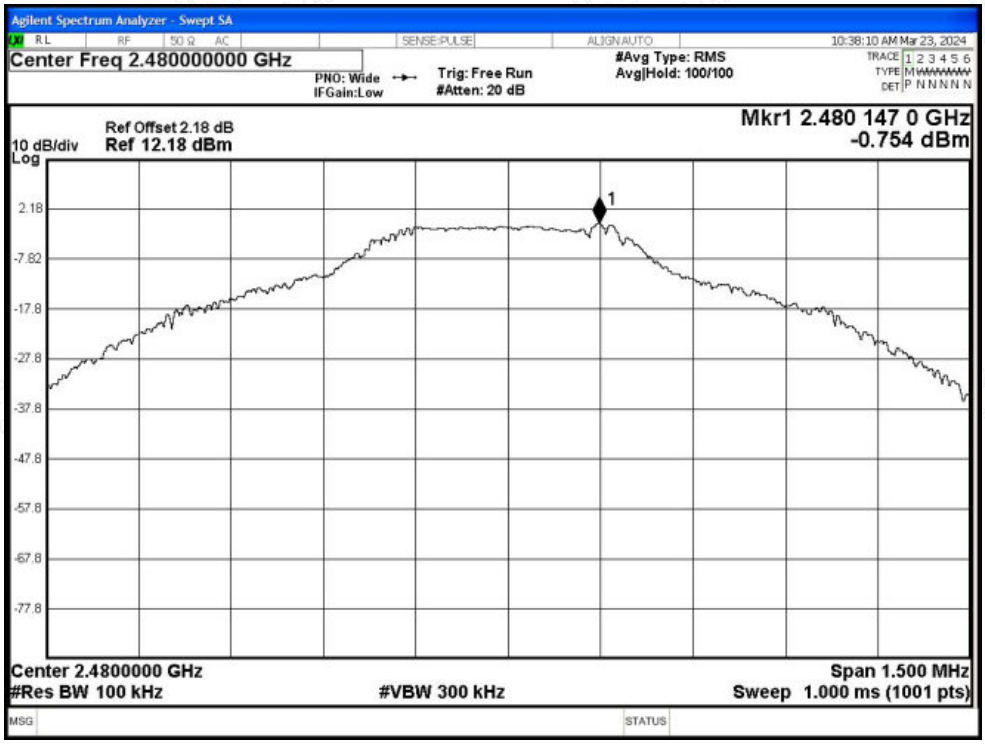
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



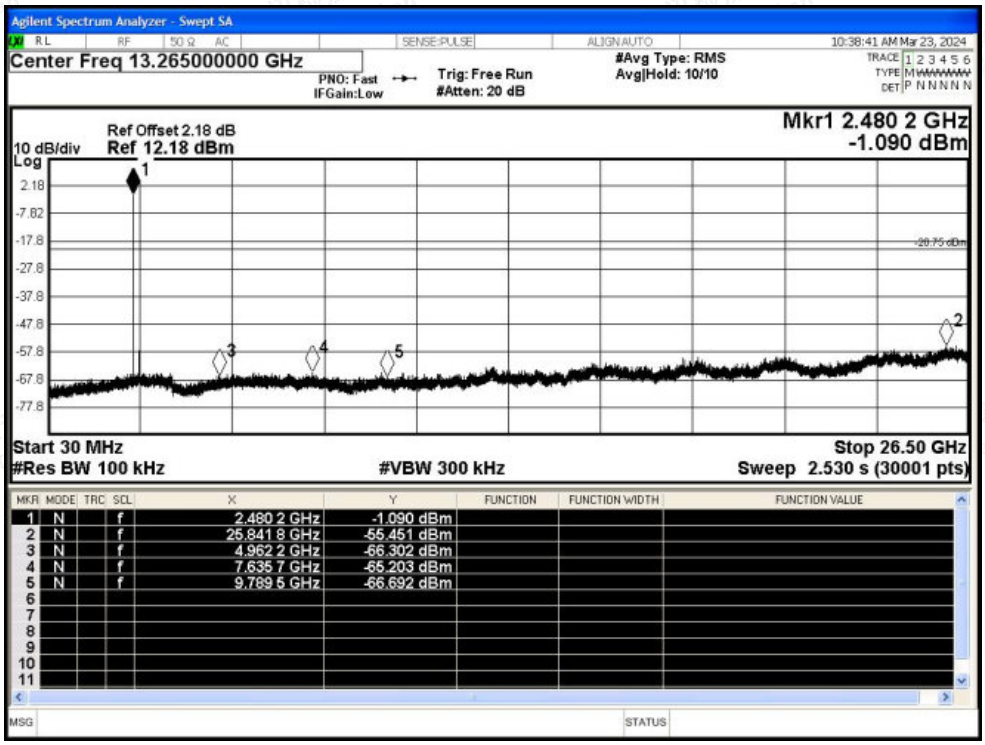
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



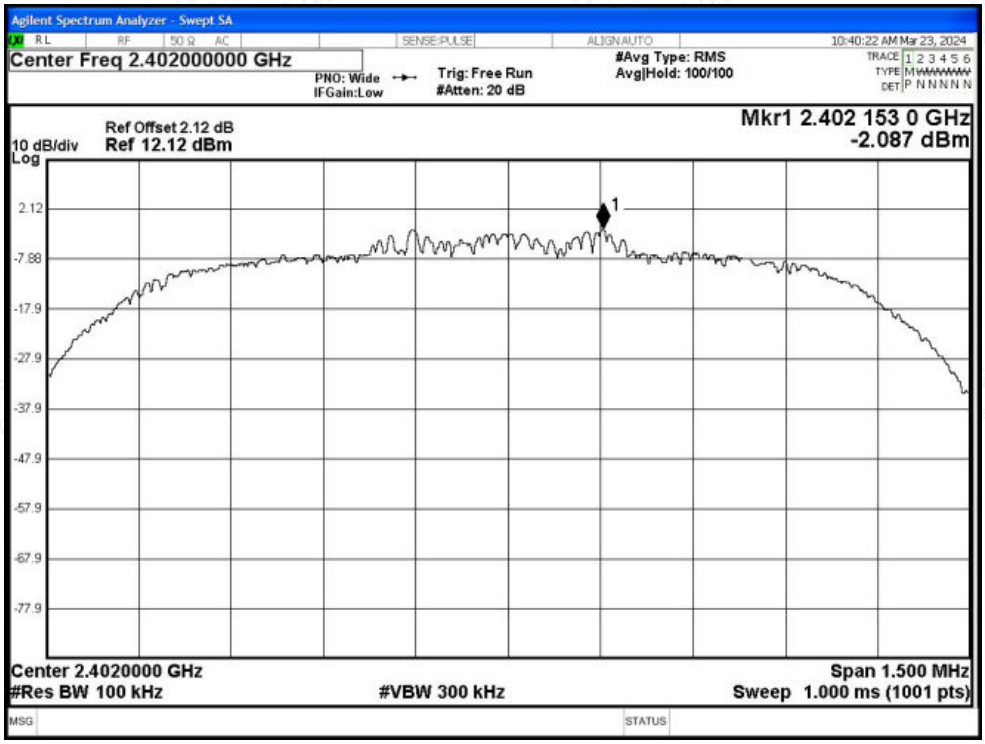
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



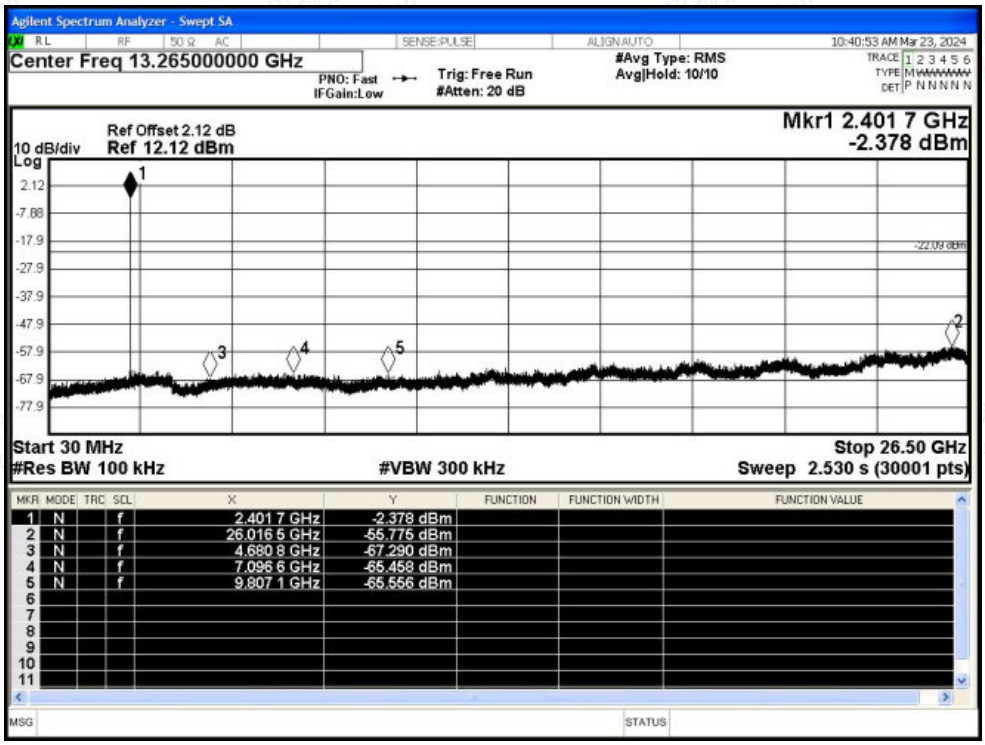
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



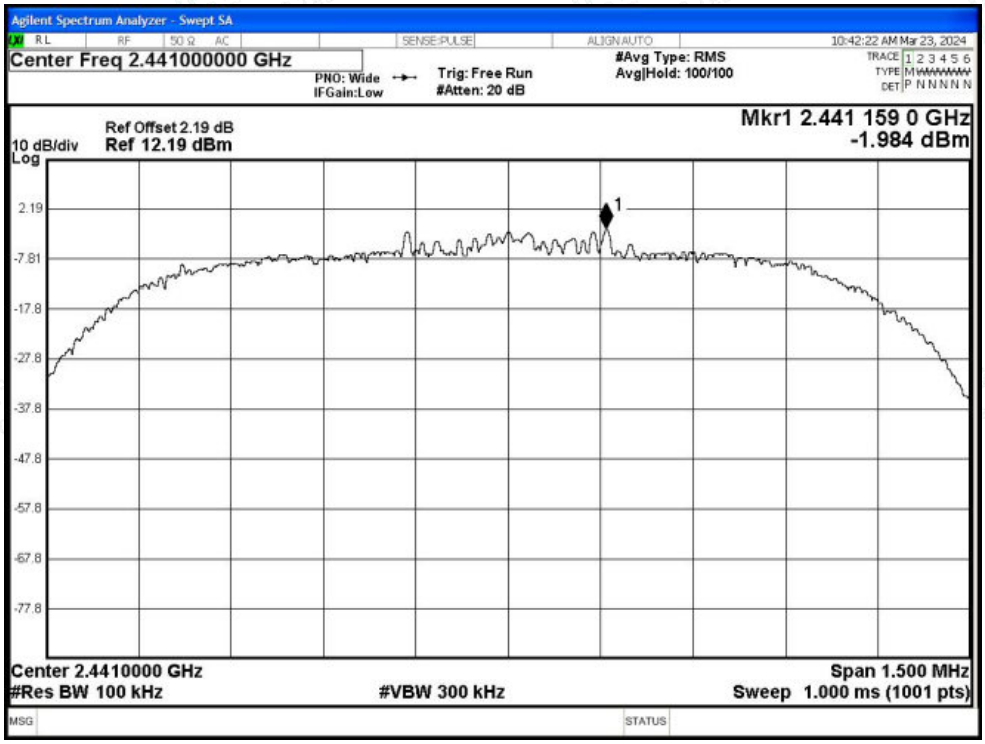
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



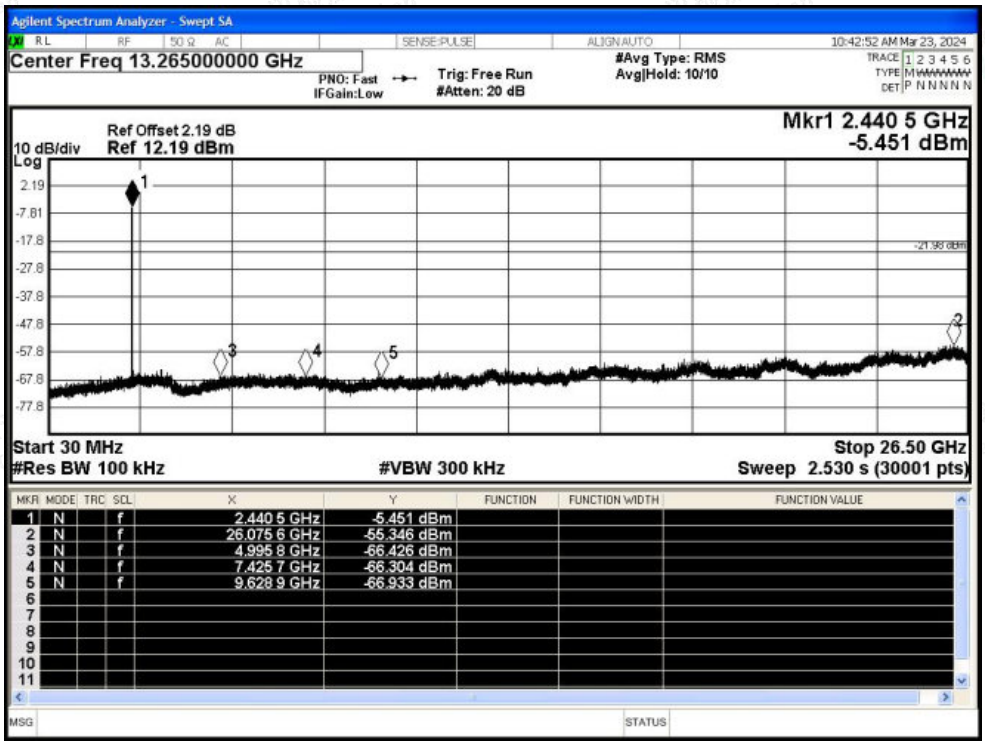
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



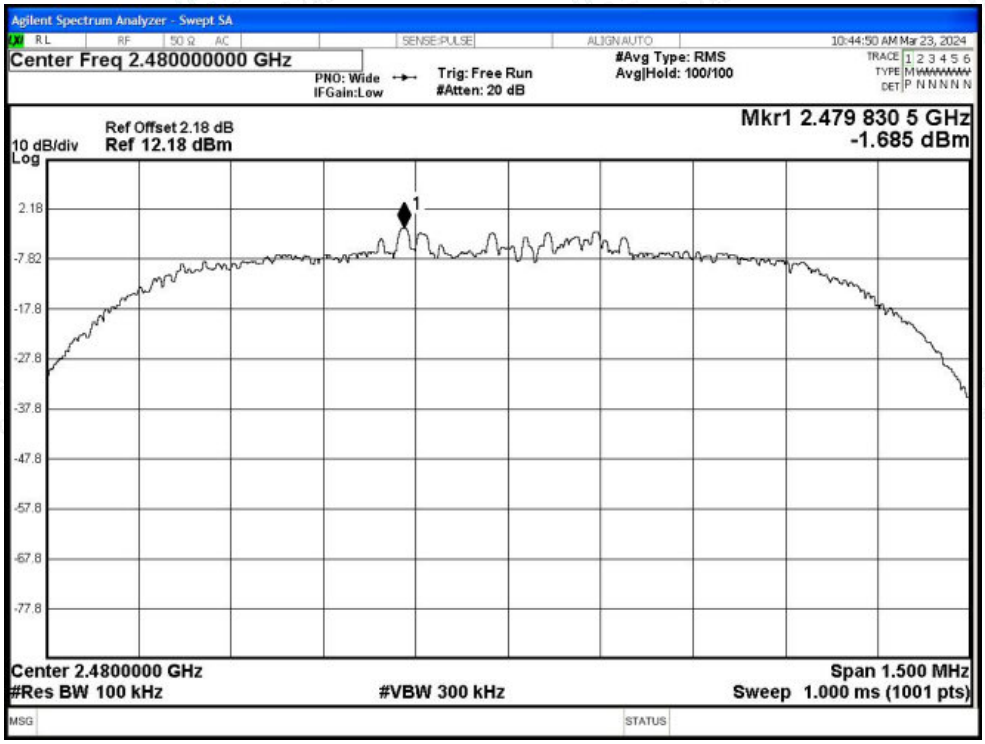
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



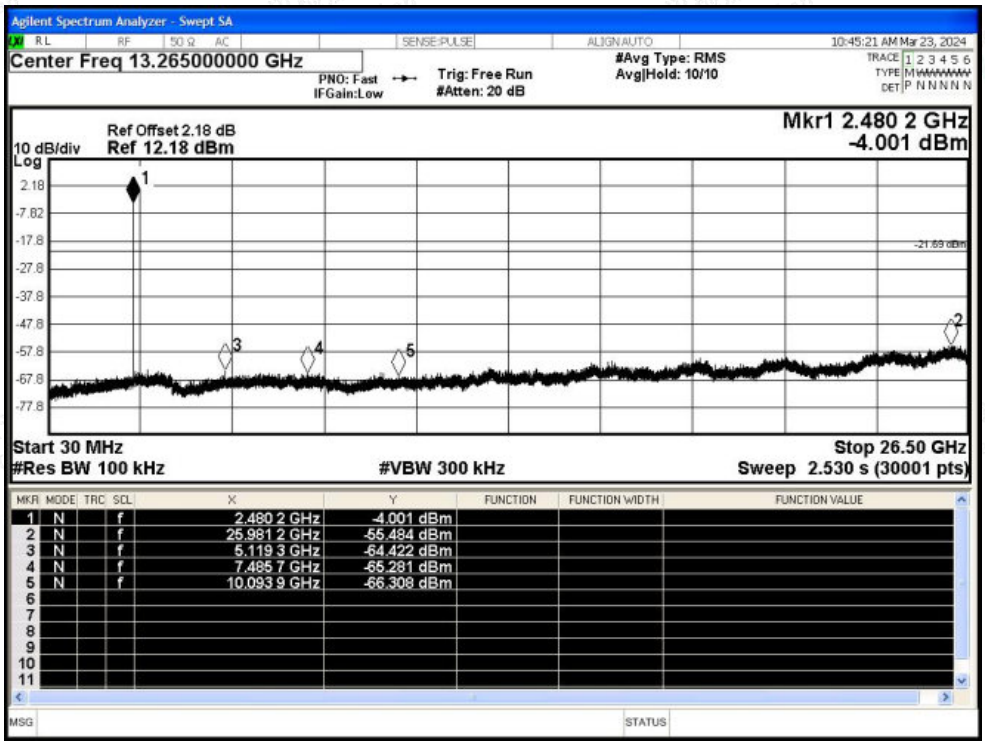
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

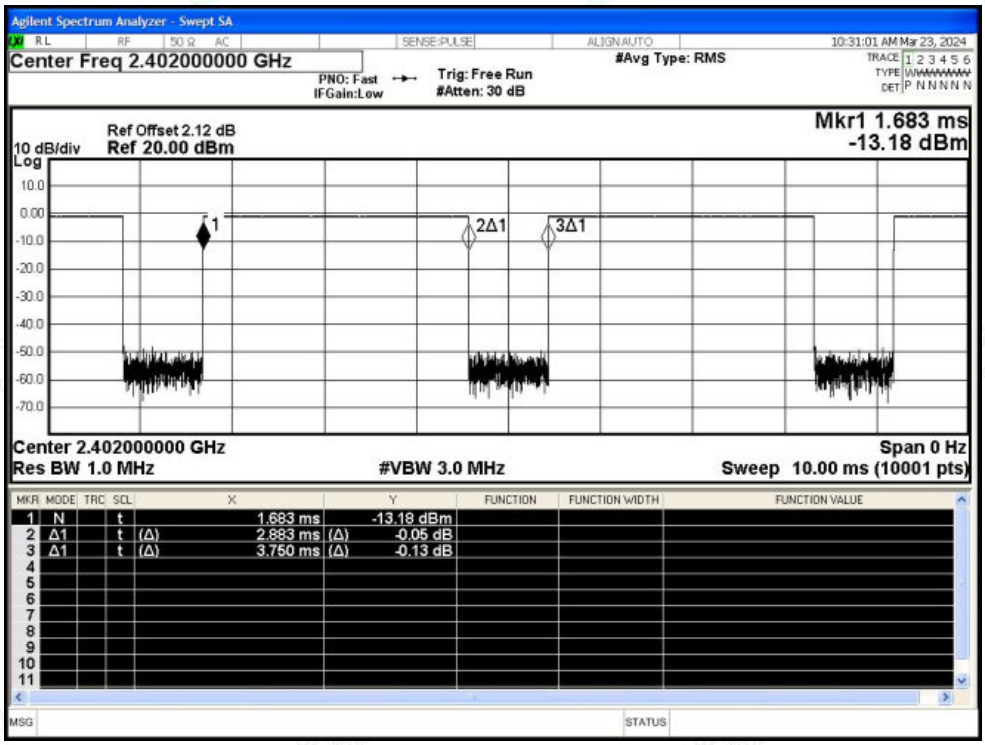


A.8 Duty Cycle

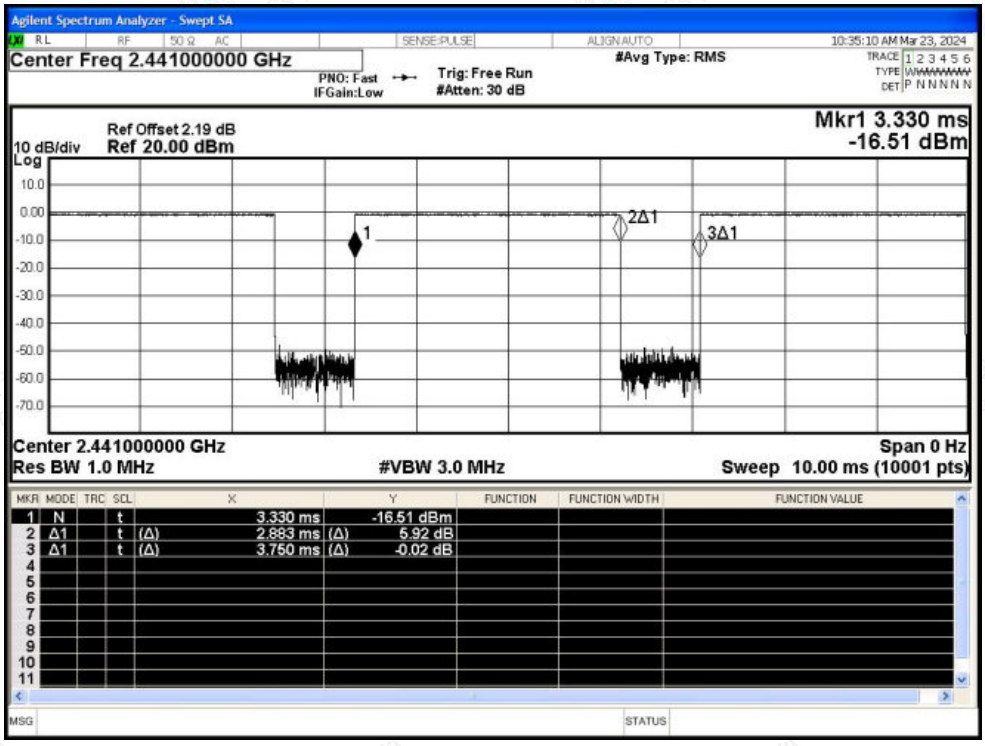
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.85	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.96	1.14	0.35

Test Graphs

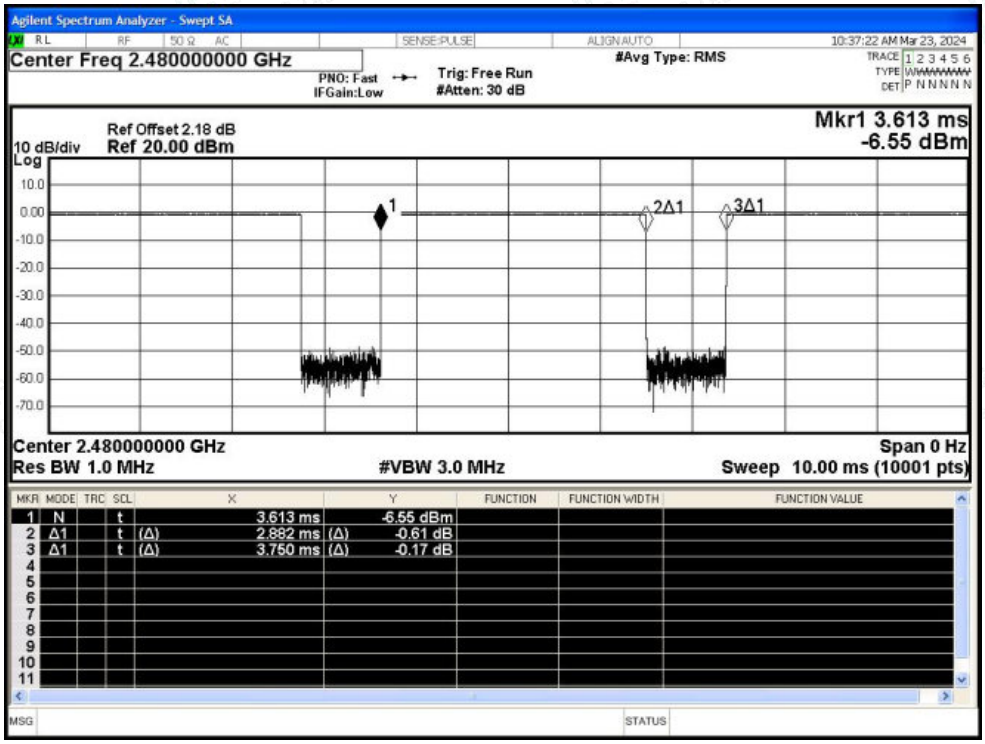
Duty Cycle NVNT 1-DH5 2402MHz Ant1



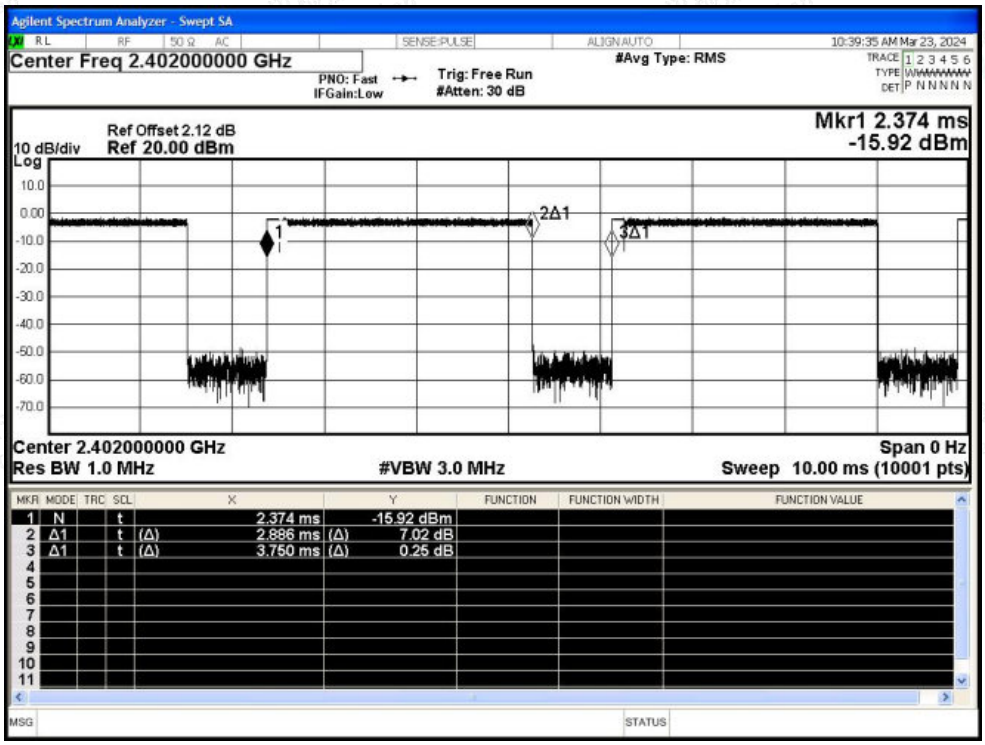
Duty Cycle NVNT 1-DH5 2441MHz Ant1



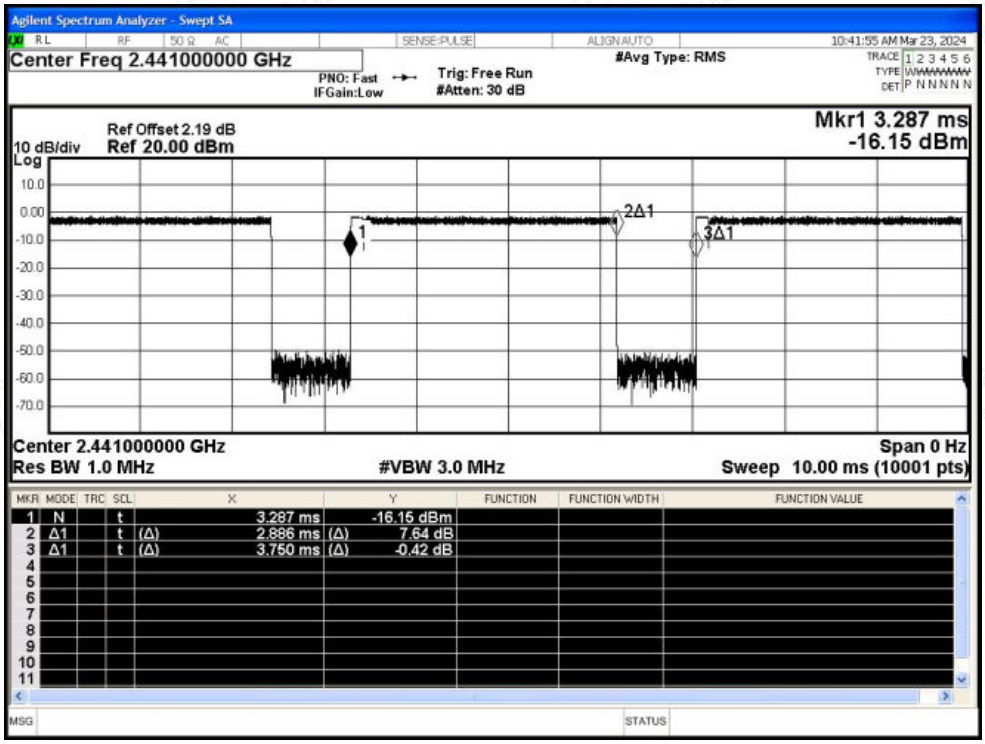
Duty Cycle NVNT 1-DH5 2480MHz Ant1



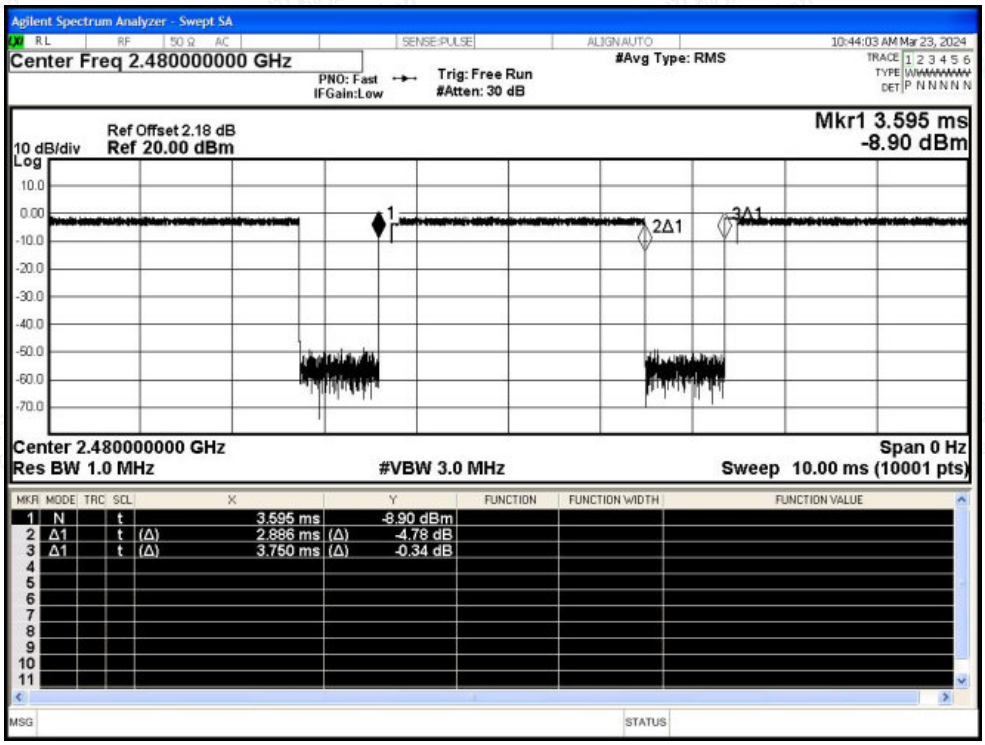
Duty Cycle NVNT 2-DH5 2402MHz Ant1



Duty Cycle NVNT 2-DH5 2441MHz Ant1



Duty Cycle NVNT 2-DH5 2480MHz Ant1

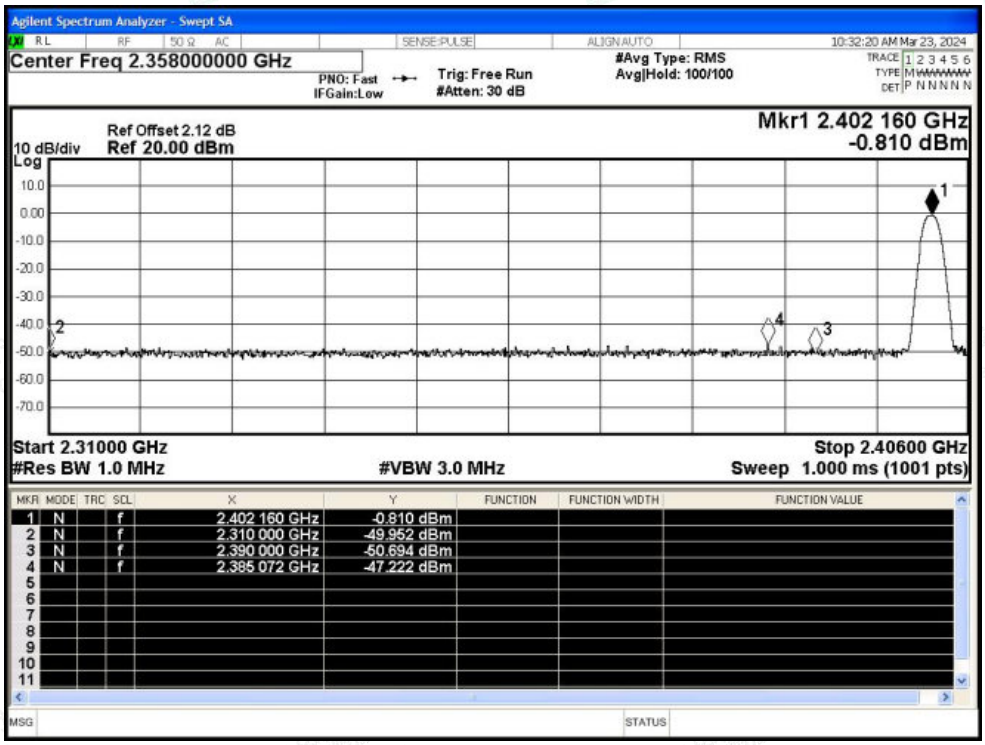


A.9 Restrict Band

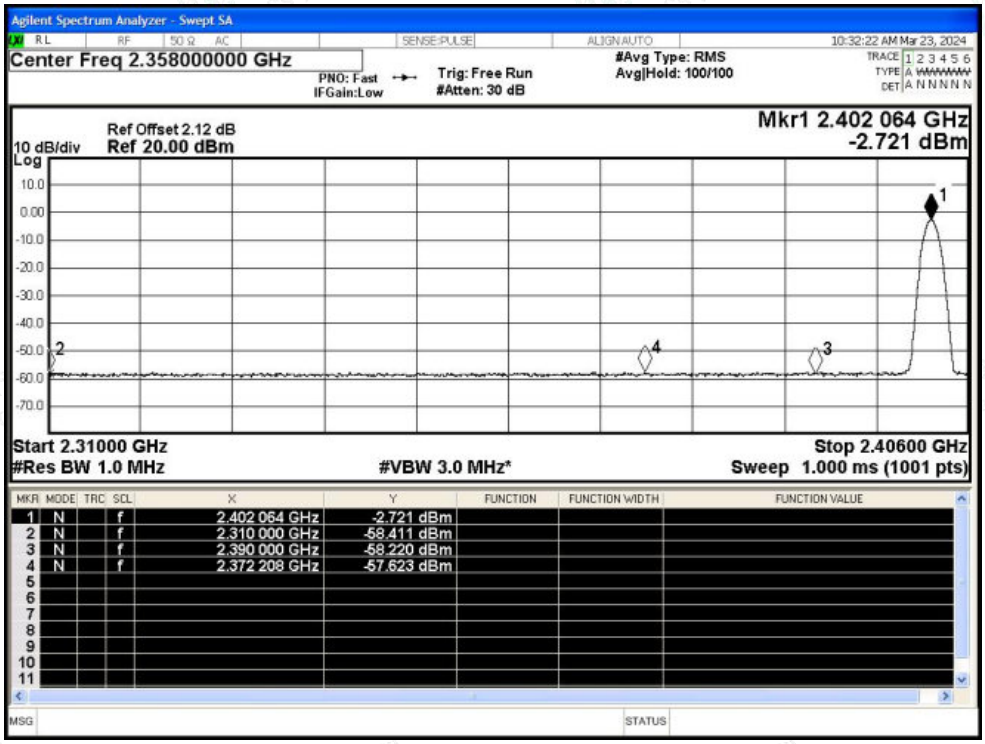
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.95	2.16	-	47.47	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.41	2.16	1.14	40.15	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2385.072	-47.22	2.16	-	50.20	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2372.208	-57.62	2.16	1.14	40.94	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.69	2.16	-	46.73	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.22	2.16	1.14	40.34	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.45	2.16	-	46.97	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.51	2.16	1.14	40.05	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2494.384	-46.41	2.16	-	51.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.072	-57.15	2.16	1.14	41.41	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.32	2.16	-	47.10	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.32	2.16	1.14	40.24	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.06	2.16	-	47.36	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.47	2.16	1.14	40.09	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2370.576	-47.37	2.16	-	50.05	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2386.032	-57.61	2.16	1.14	40.95	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.2	2.16	-	46.22	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.84	2.16	1.14	40.72	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.32	2.16	-	49.10	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.98	2.16	1.14	40.58	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2498.392	-46.63	2.16	-	50.79	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.592	-57.1	2.16	1.14	41.46	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.77	2.16	-	47.65	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.28	2.16	1.14	40.28	Average	54	Pass

Test Graphs

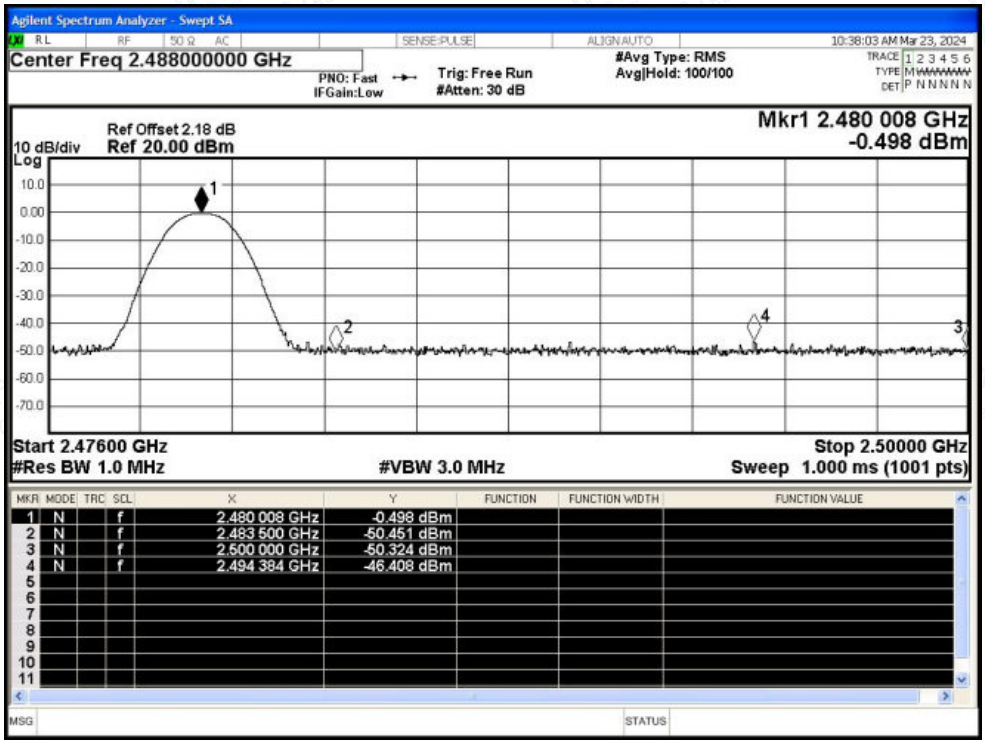
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



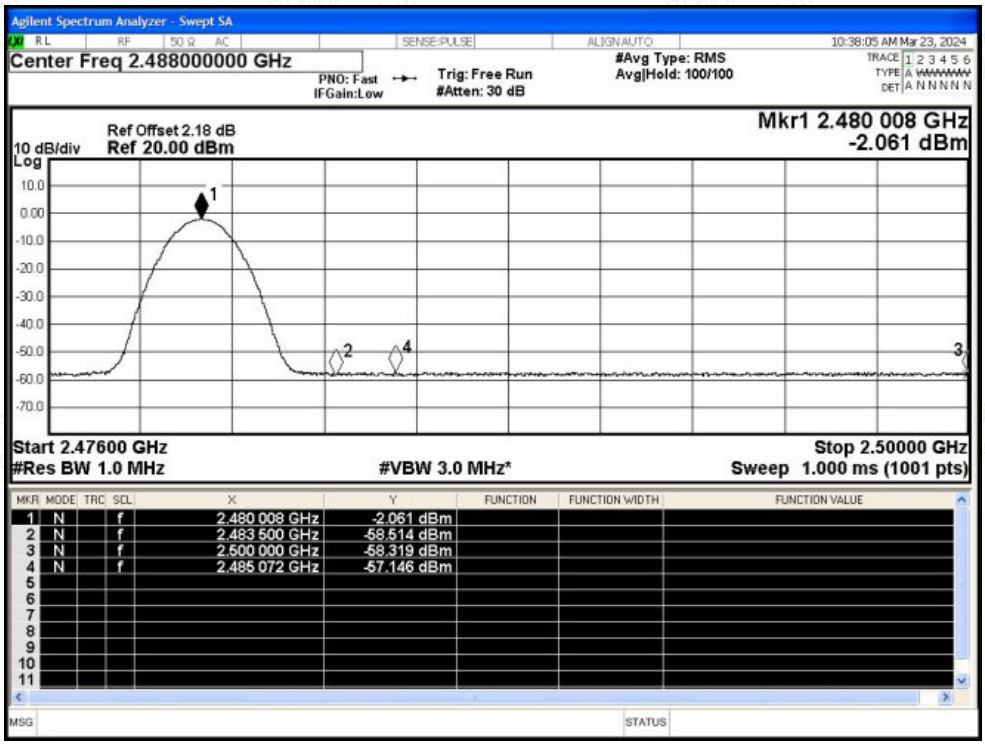
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



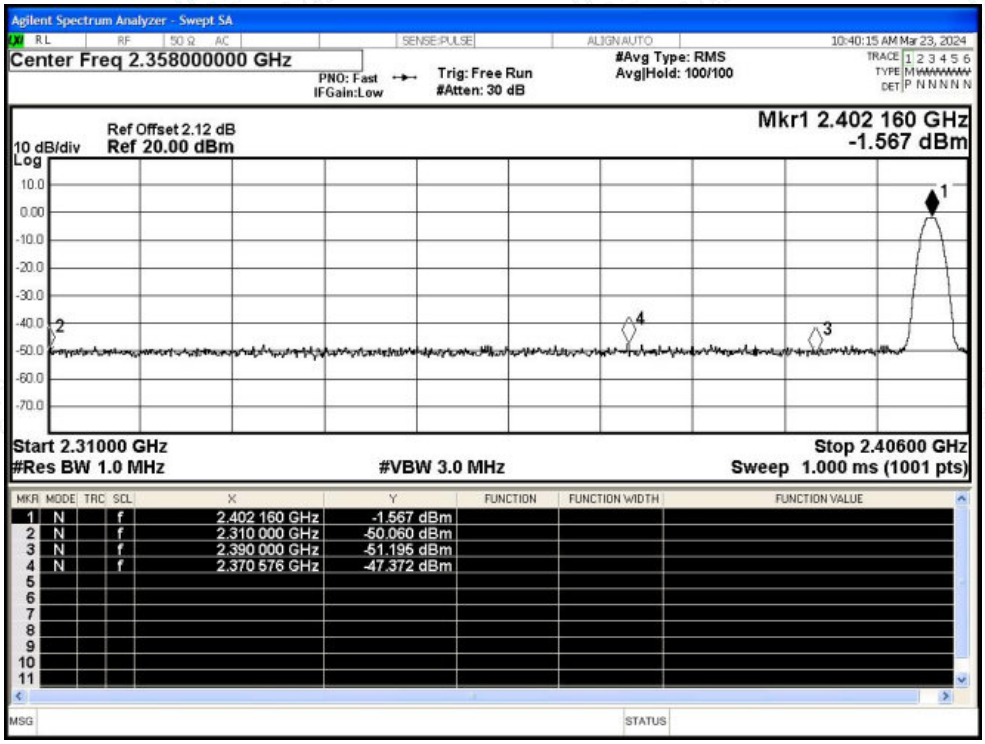
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



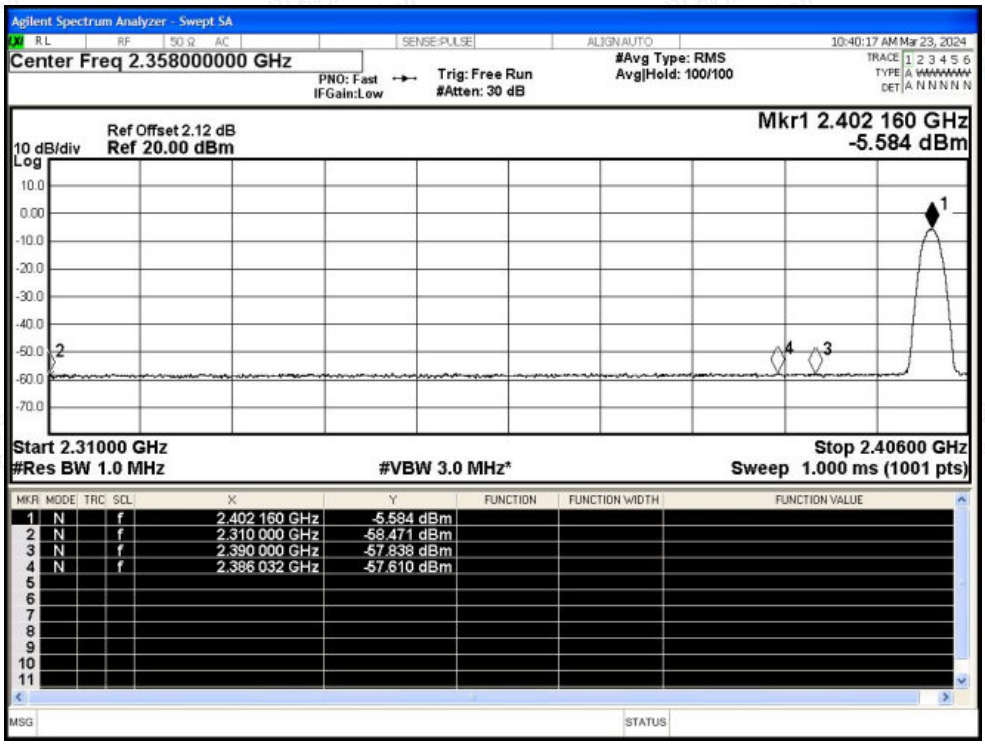
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



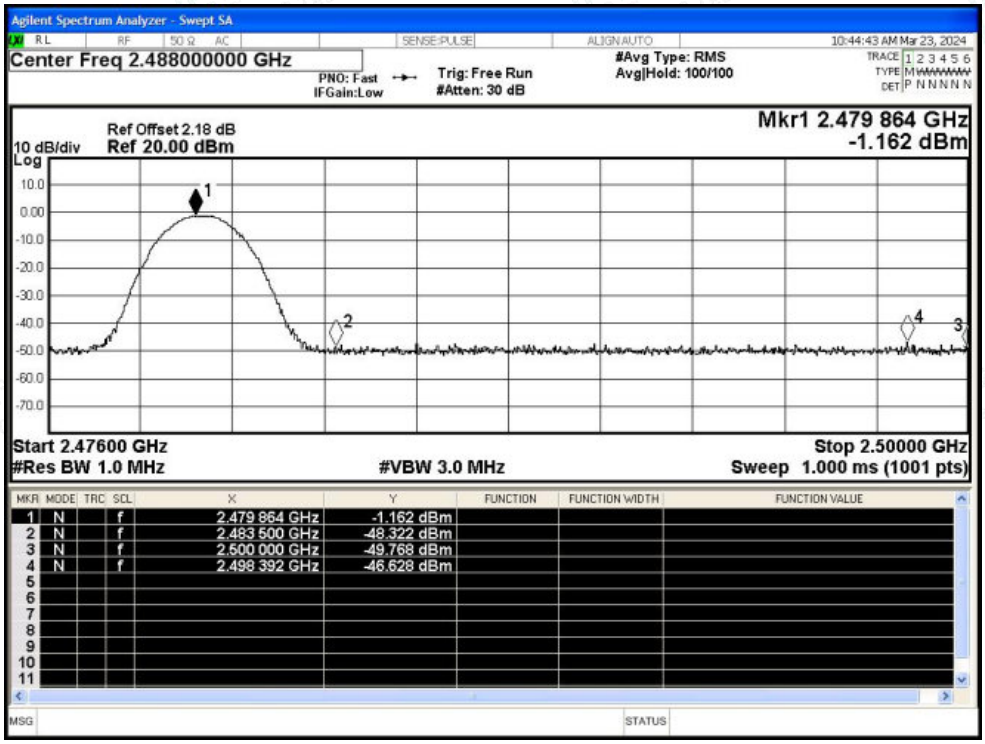
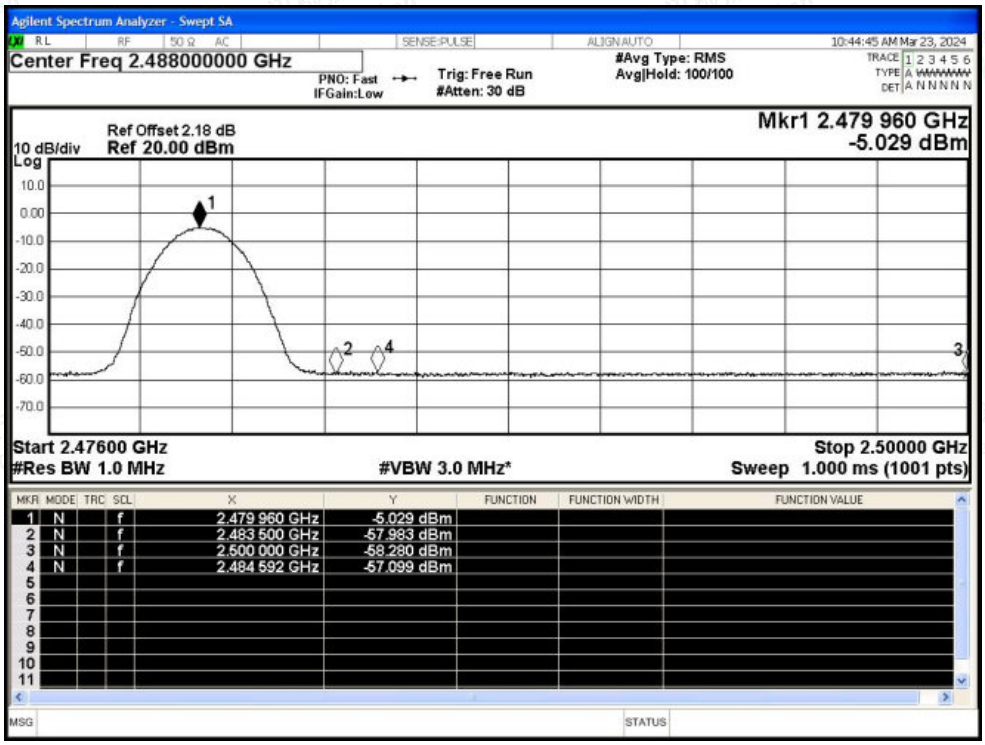
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



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



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



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