Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet PC

Test Model: M10

Environmental Conditions

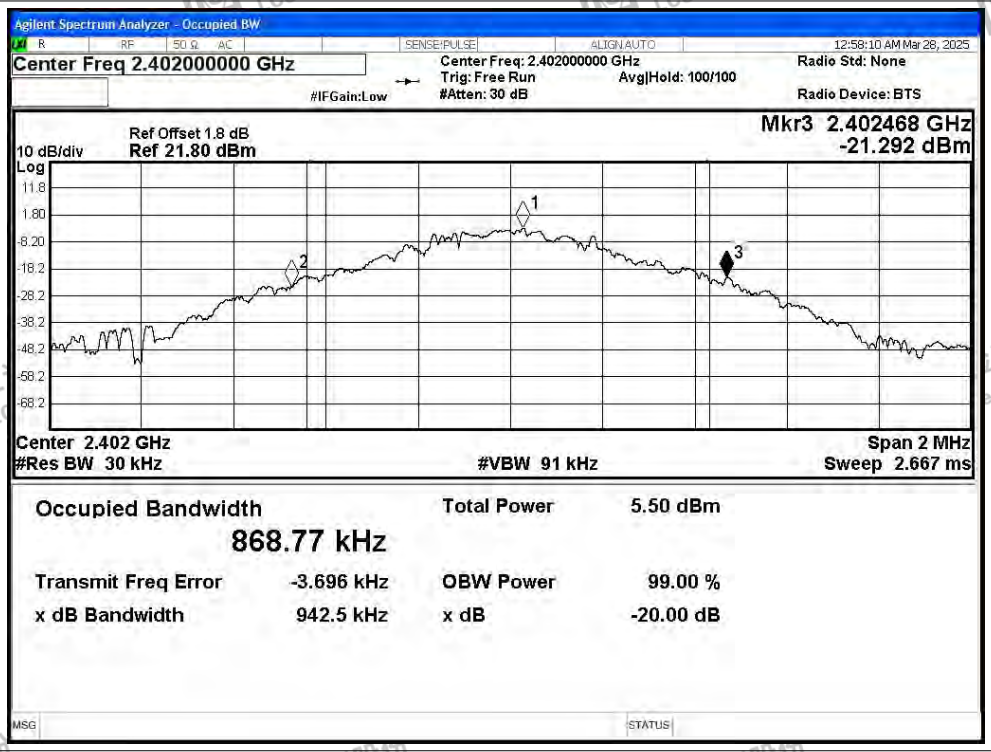
Temperature:	24.1°C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng

A.1 -20dB Bandwidth

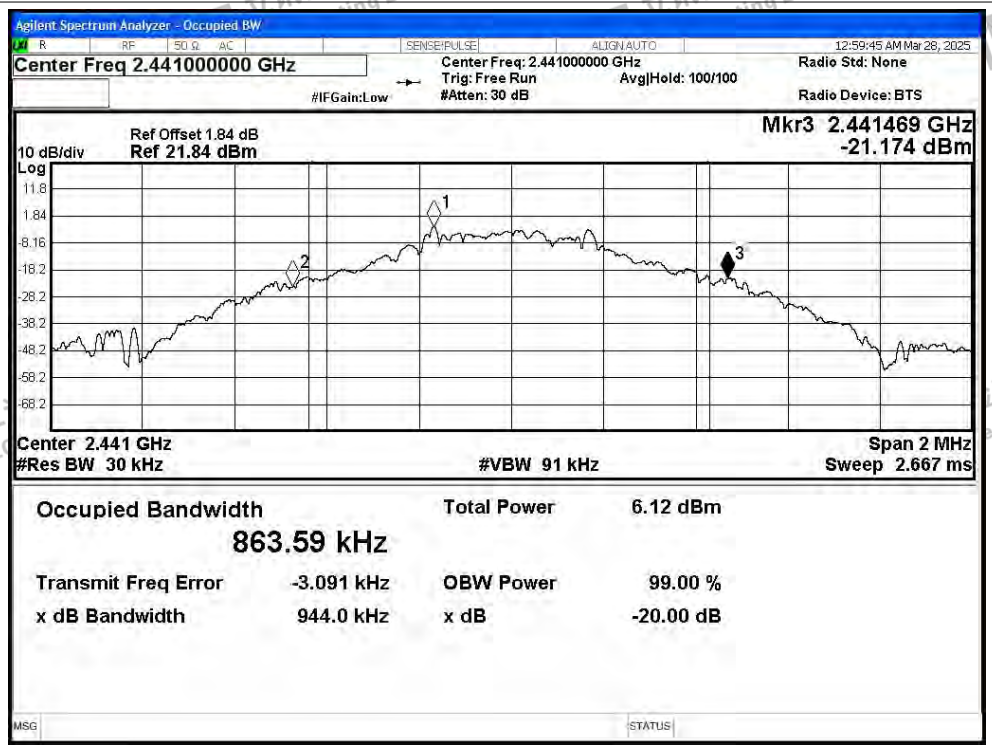
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.943	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.944	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.949	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.286	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.289	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.287	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.321	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.294	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.297	N/A	Pass

Test Graphs

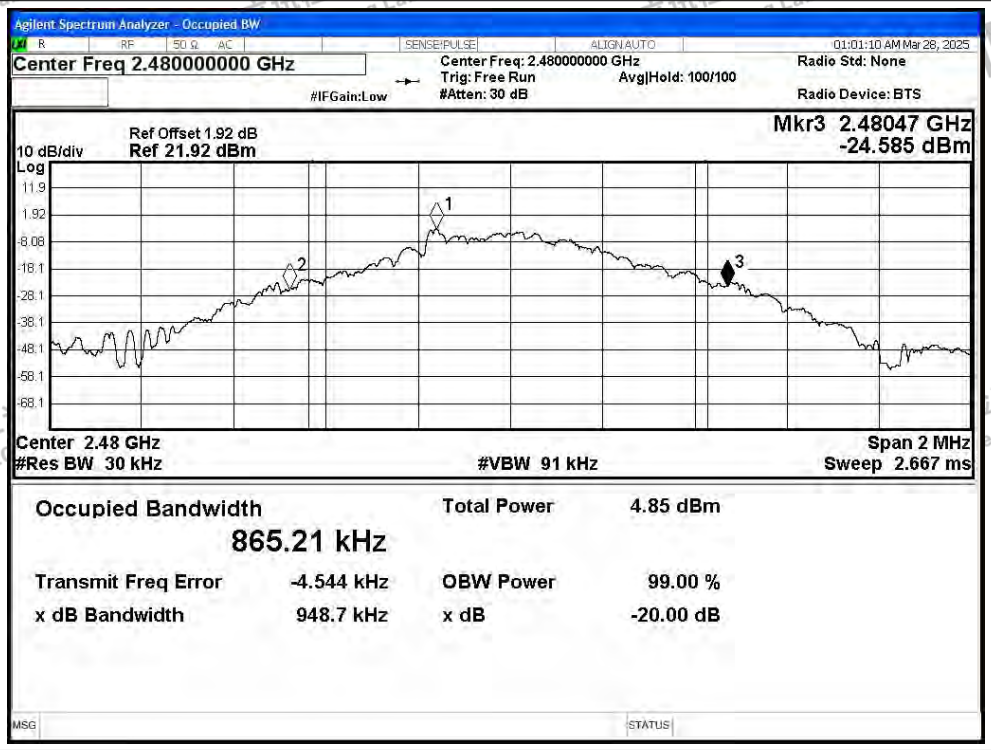
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



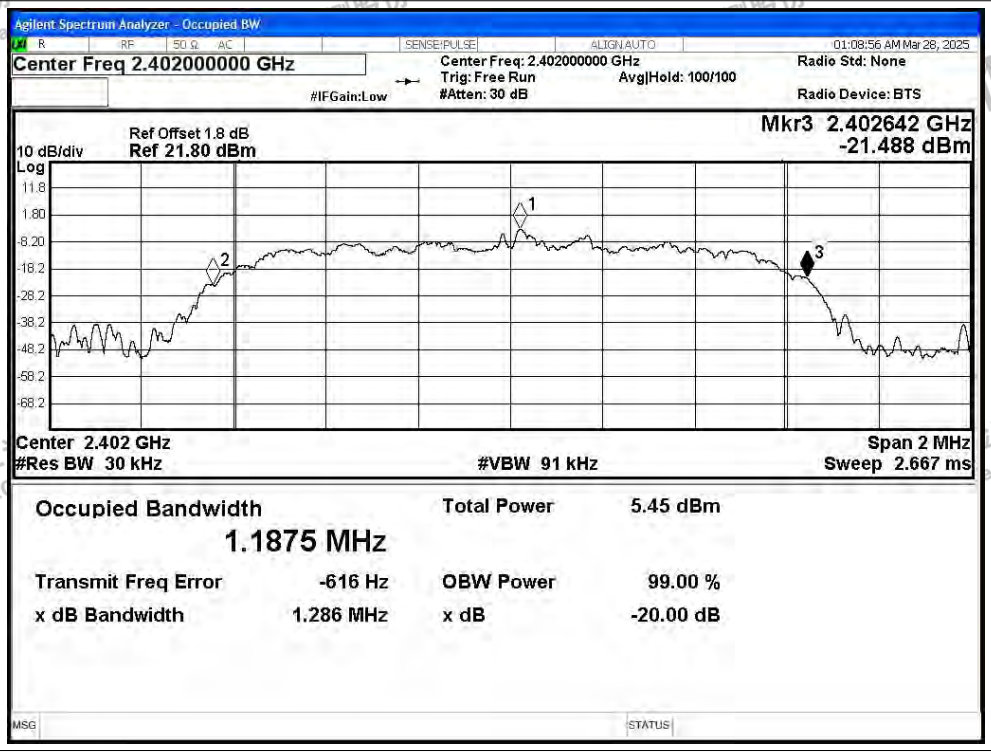
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



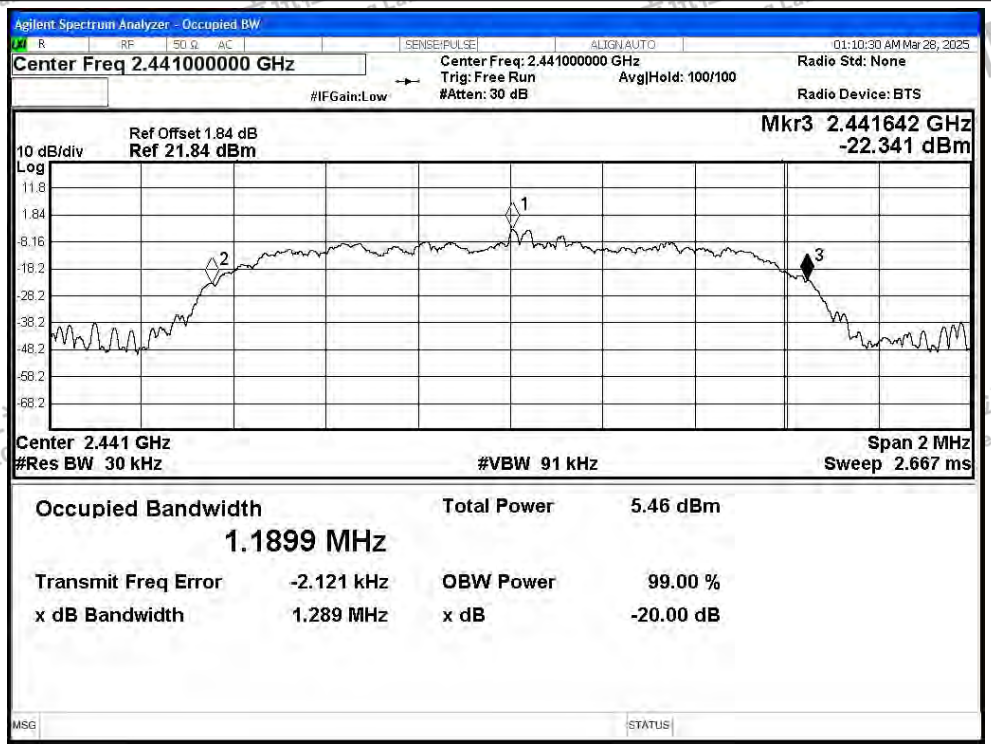
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



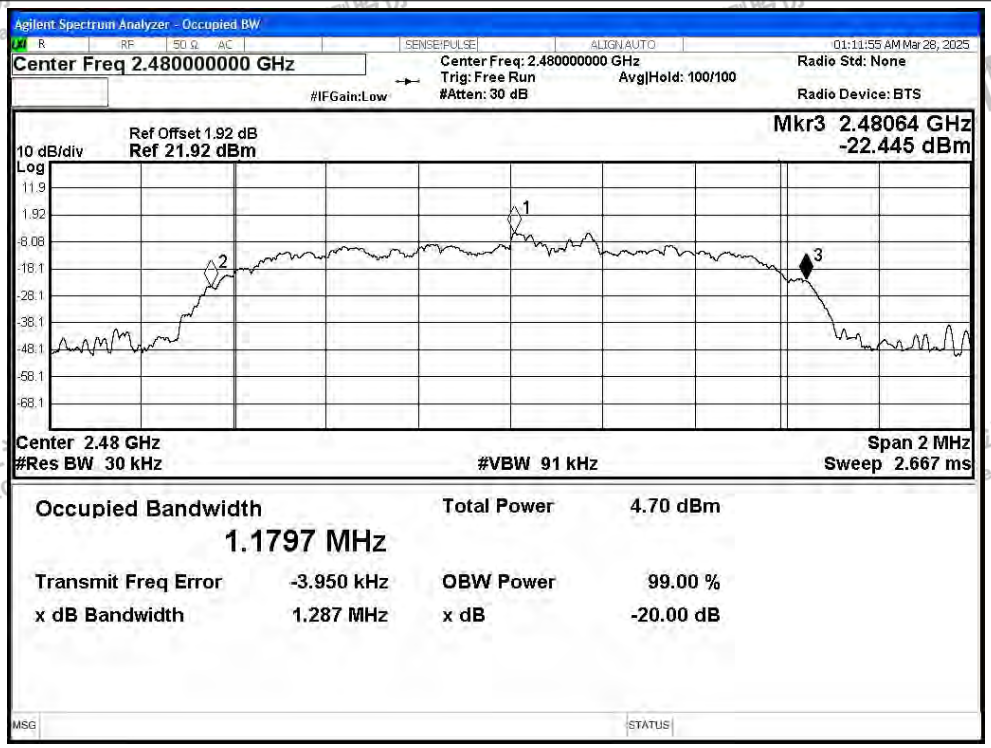
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



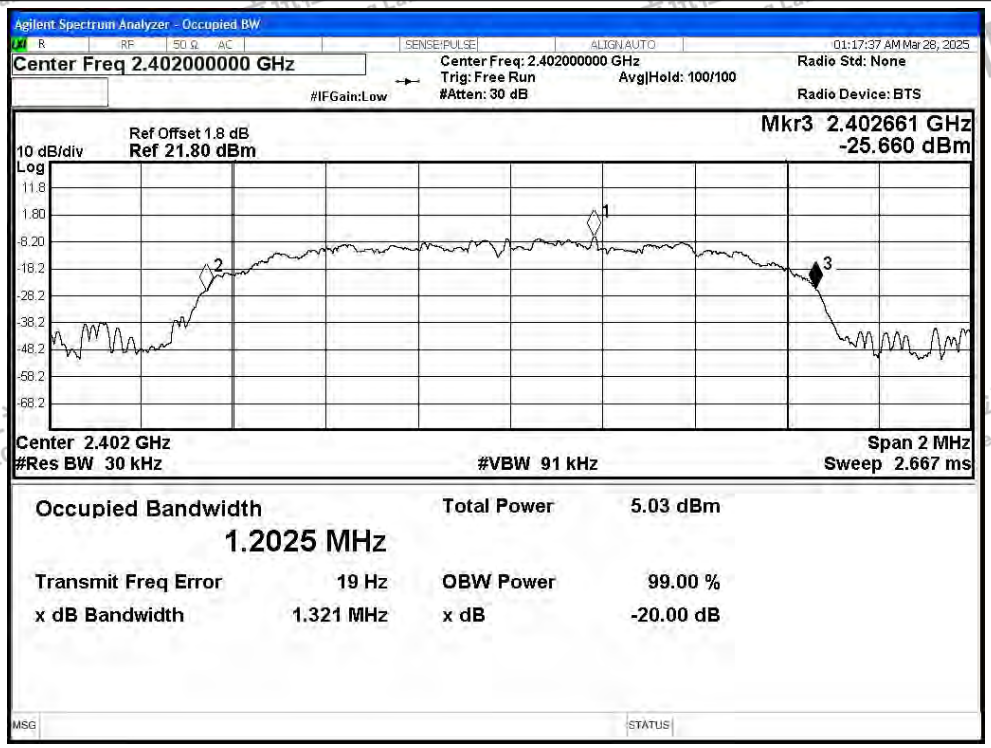
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



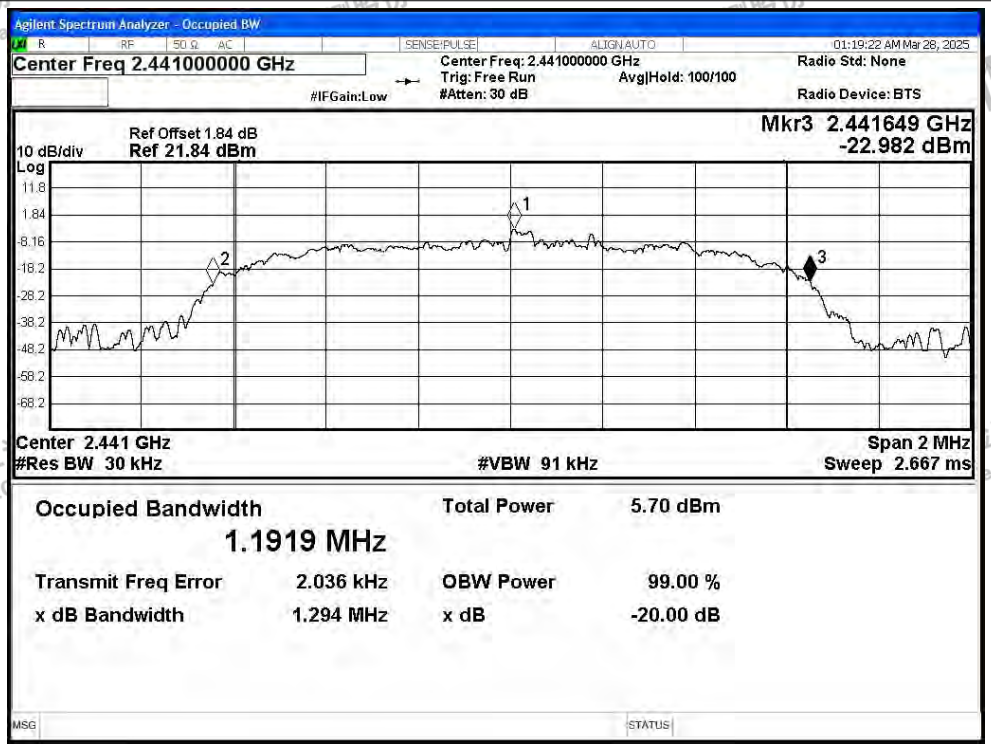
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



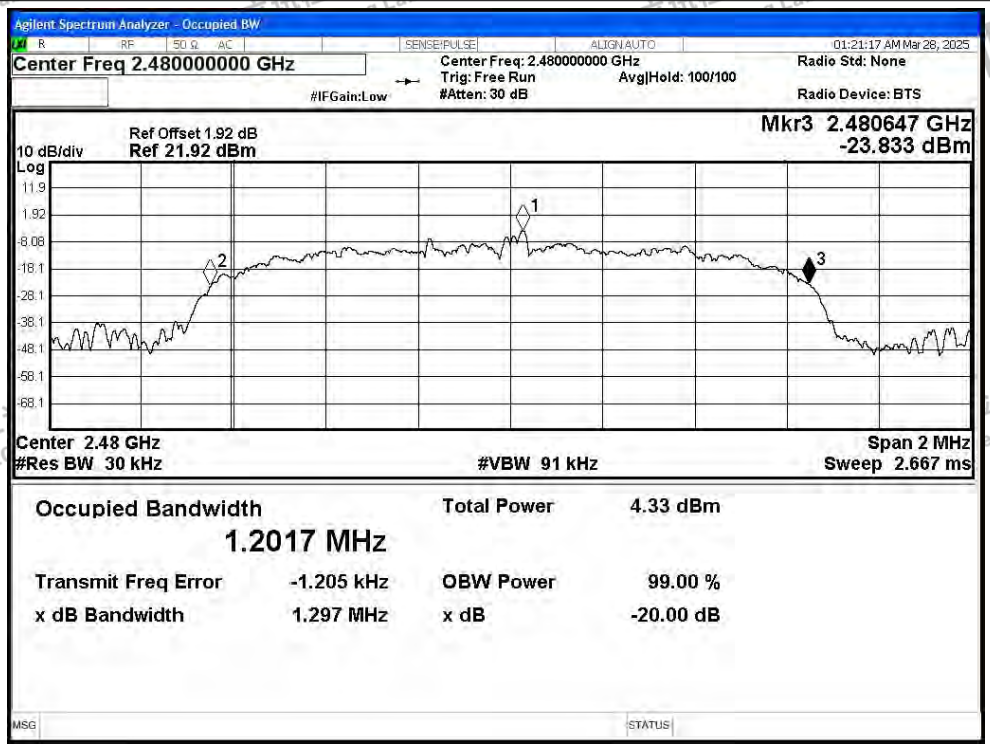
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

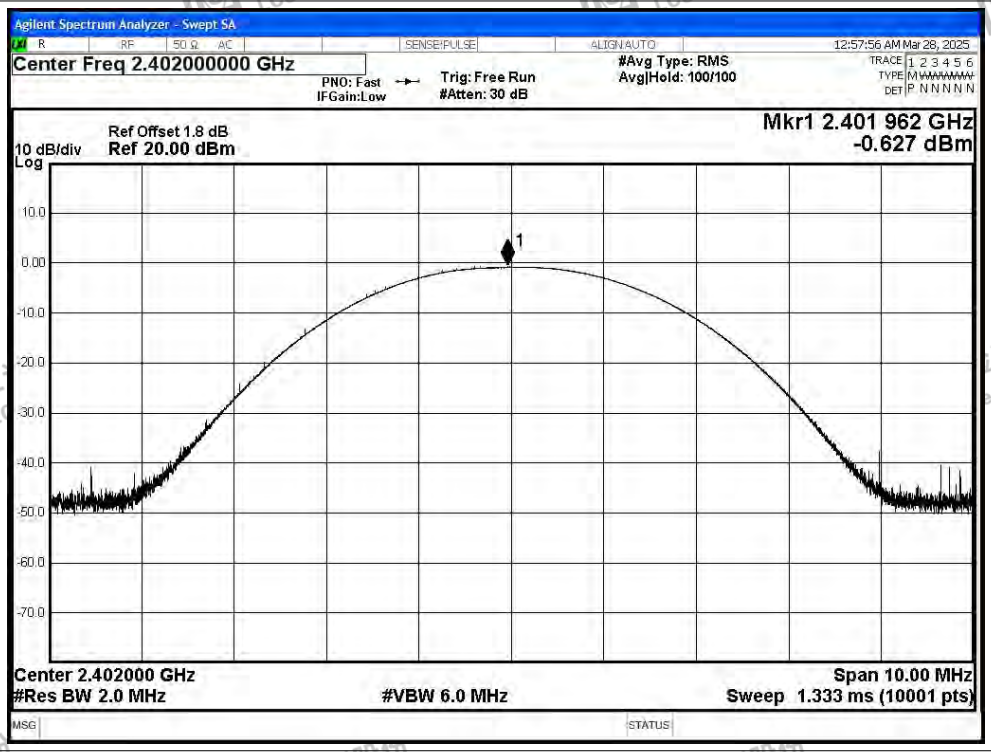


A.2 Maximum Peak Conducted Output Power

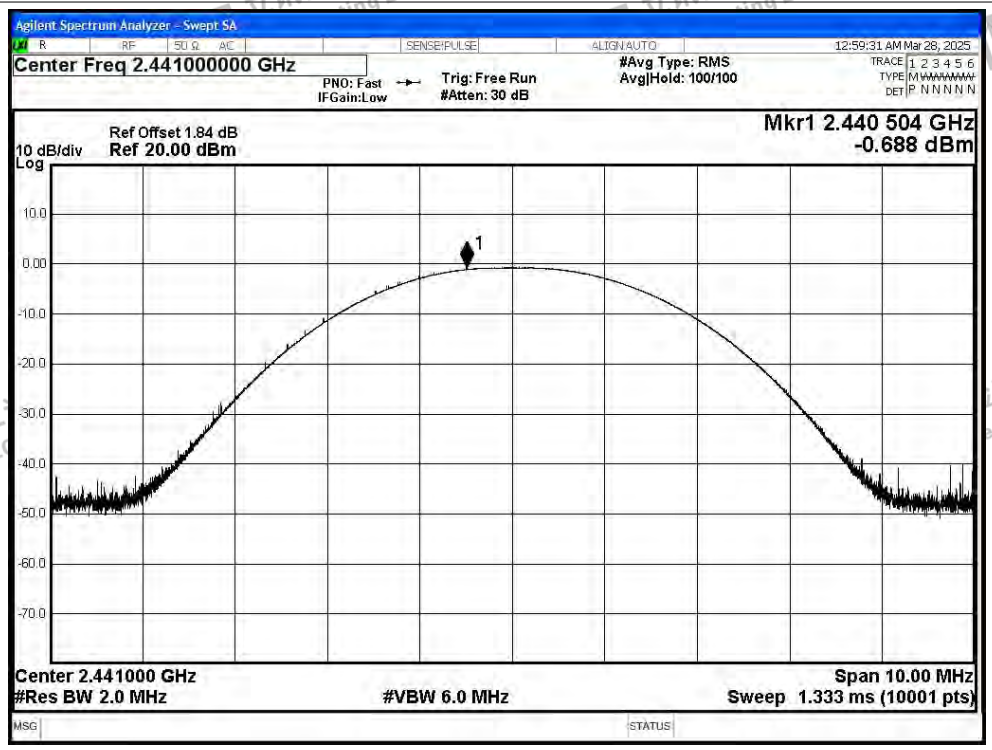
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.63	21	Pass
NVNT	1-DH5	2441	Ant1	-0.69	21	Pass
NVNT	1-DH5	2480	Ant1	-1.51	21	Pass
NVNT	2-DH5	2402	Ant1	1.25	21	Pass
NVNT	2-DH5	2441	Ant1	1.43	21	Pass
NVNT	2-DH5	2480	Ant1	0.26	21	Pass
NVNT	3-DH5	2402	Ant1	1.64	21	Pass
NVNT	3-DH5	2441	Ant1	1.85	21	Pass
NVNT	3-DH5	2480	Ant1	0.69	21	Pass

Test Graphs

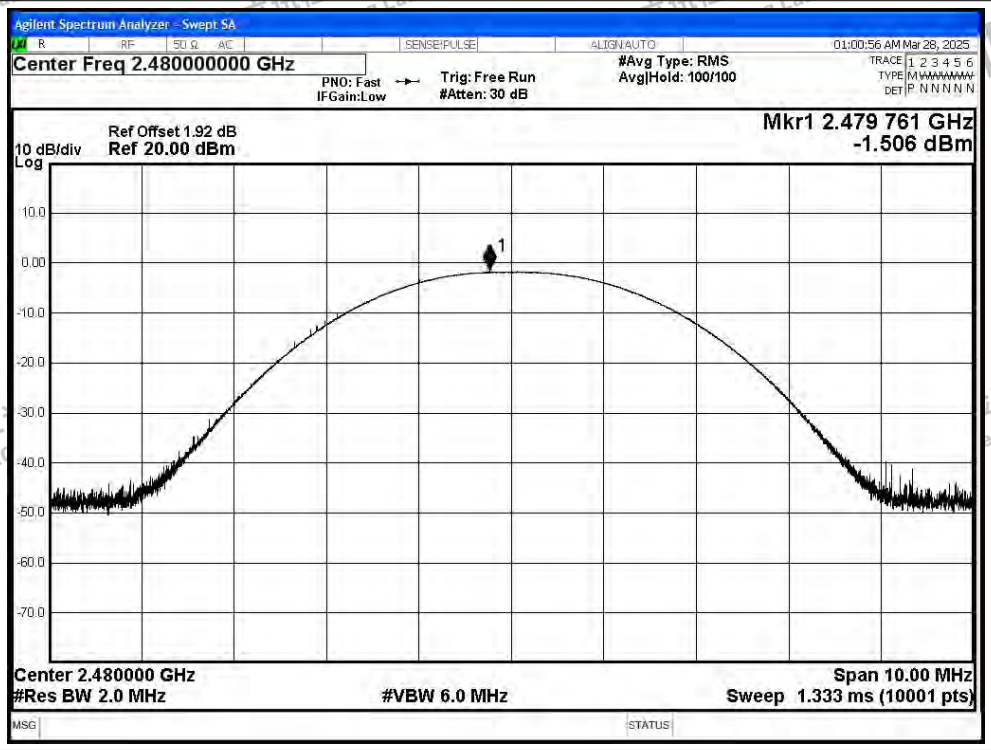
Power NVNT 1-DH5 2402MHz Ant1



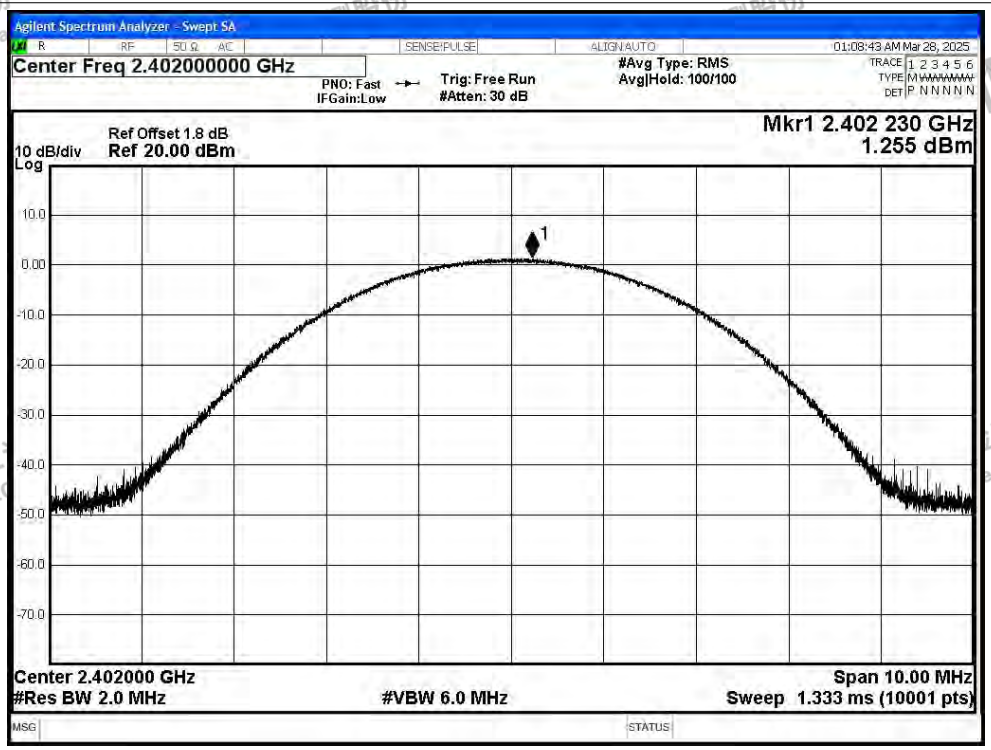
Power NVNT 1-DH5 2441MHz Ant1



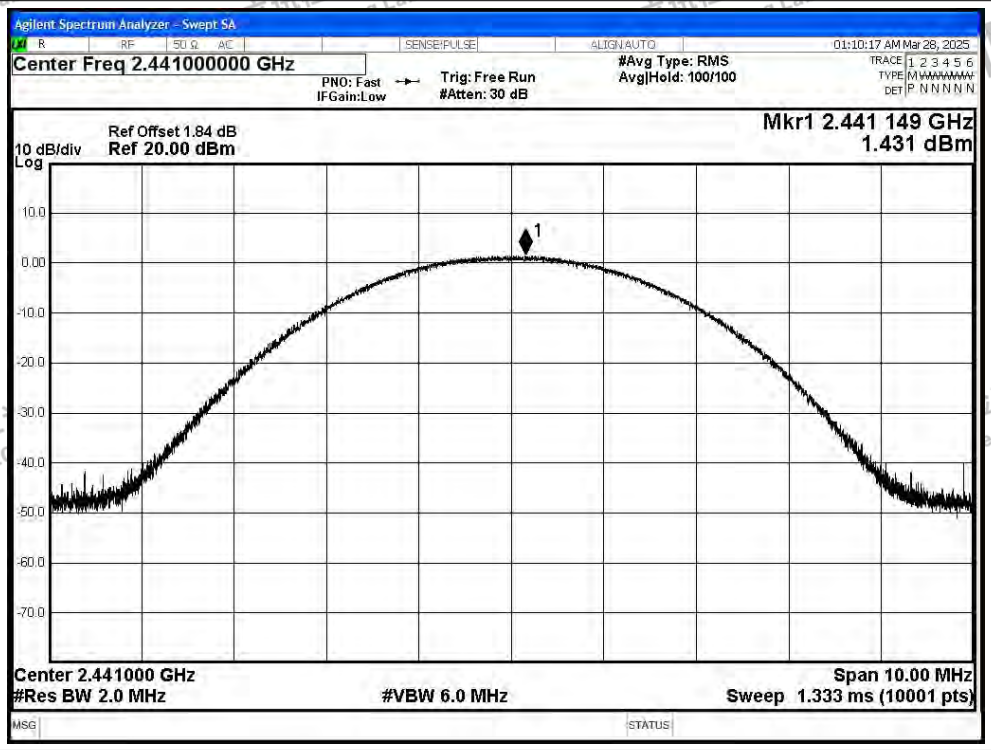
Power NVNT 1-DH5 2480MHz Ant1



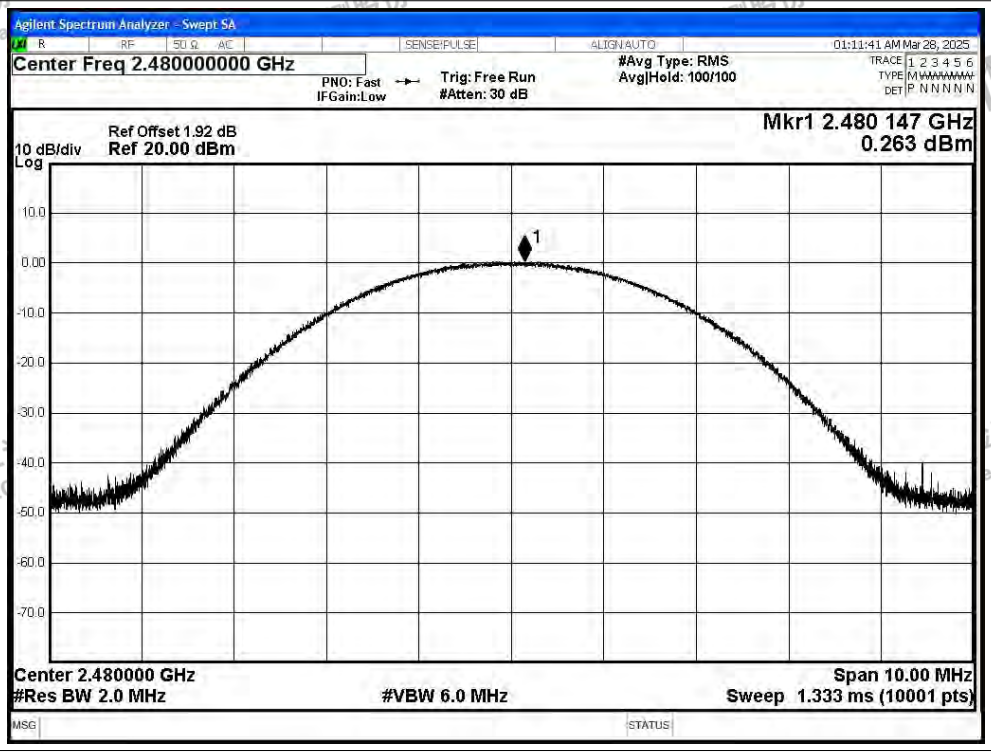
Power NVNT 2-DH5 2402MHz Ant1



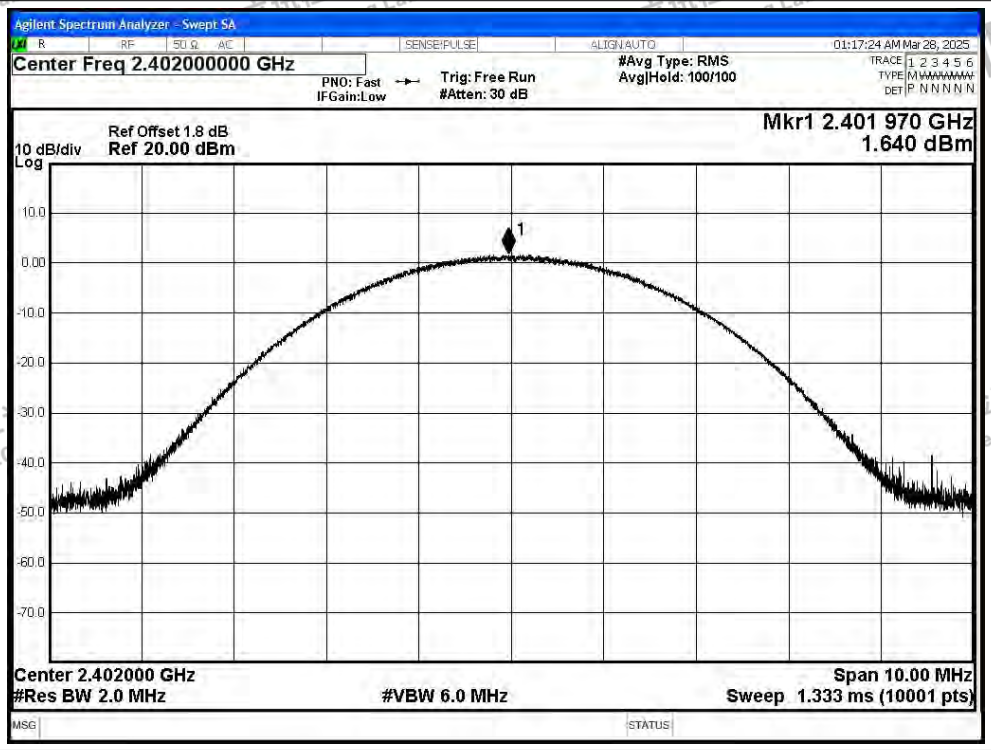
Power NVNT 2-DH5 2441MHz Ant1



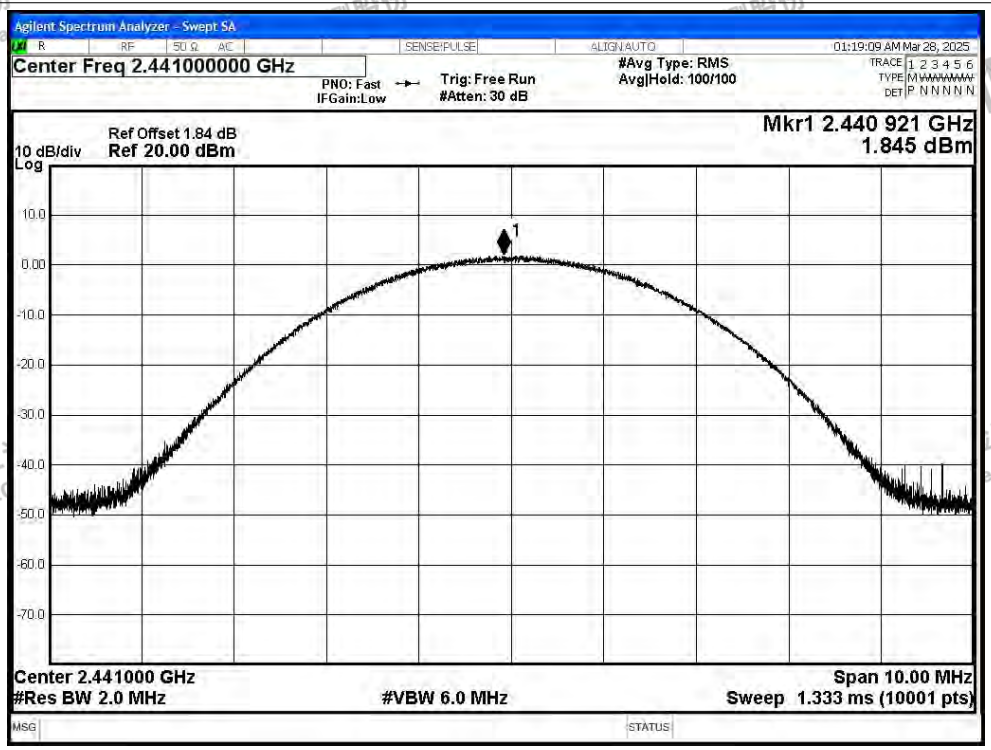
Power NVNT 2-DH5 2480MHz Ant1



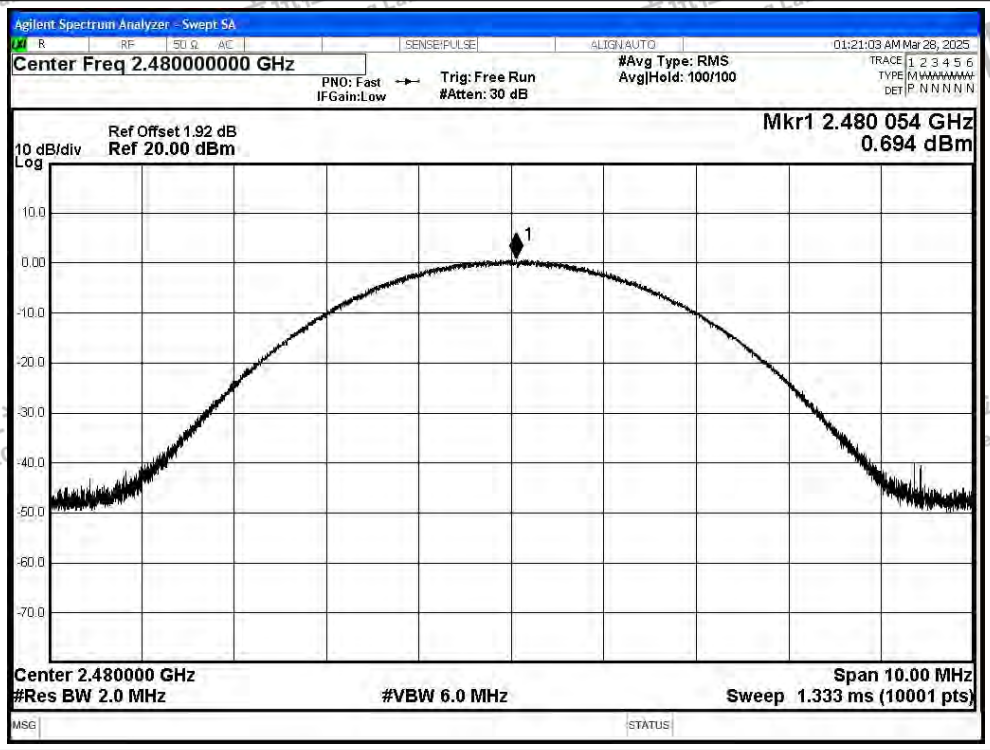
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

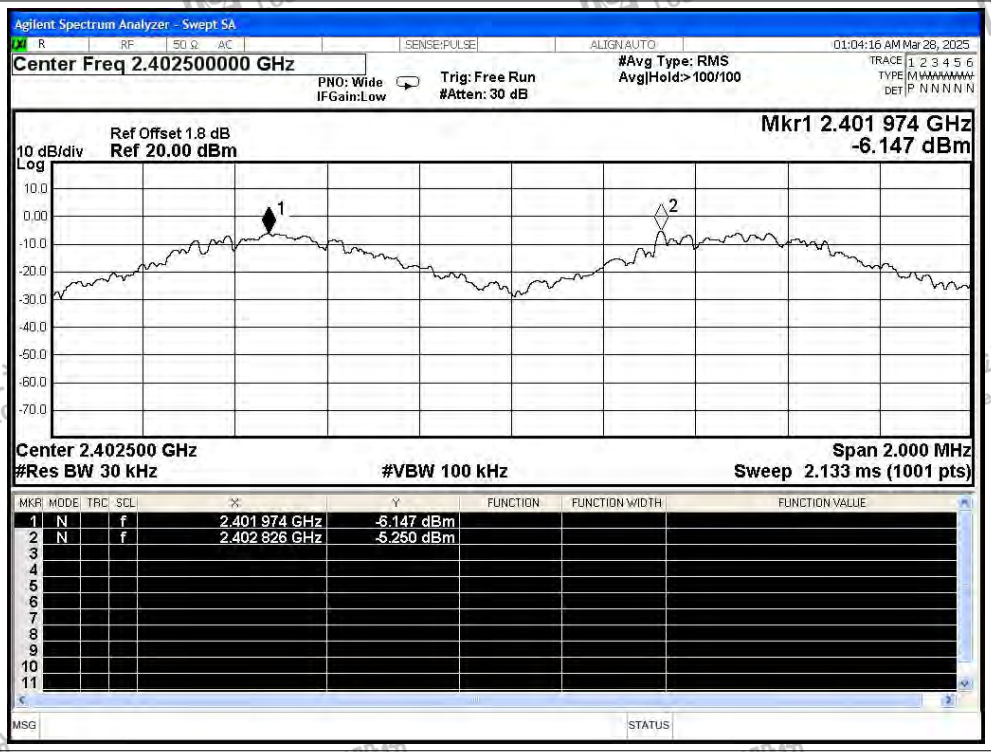


A.3 Carrier Frequencies Separation

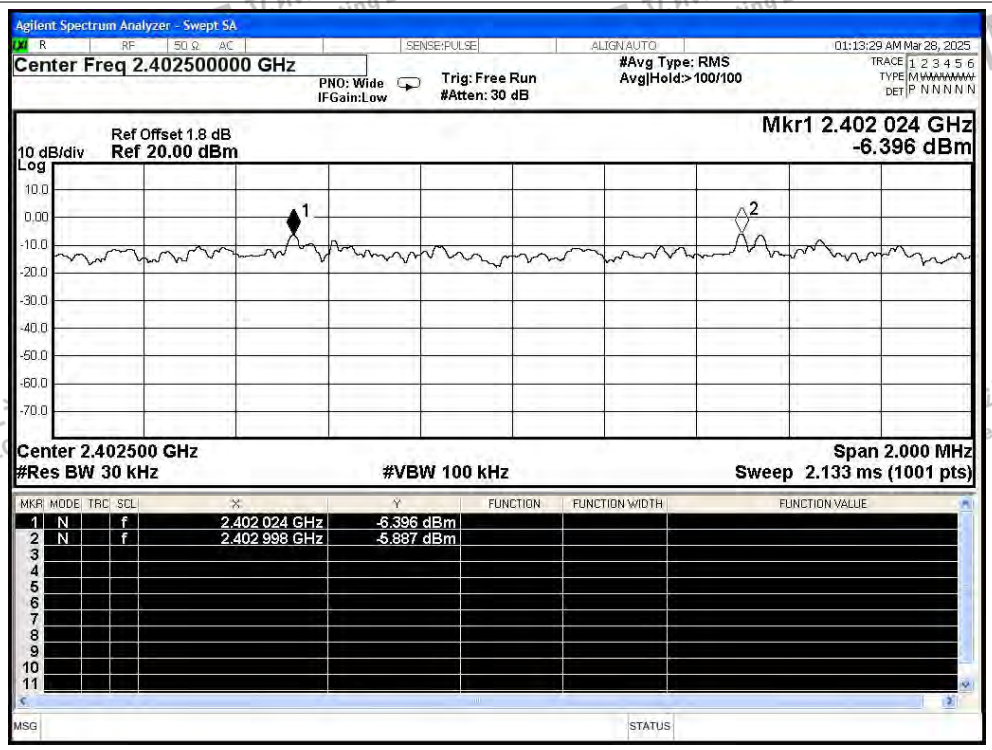
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.974	2402.826	0.852	0.633	Pass
NVNT	2-DH5	Ant1	2402.024	2402.998	0.974	0.859	Pass
NVNT	3-DH5	Ant1	2402.126	2403.024	0.898	0.881	Pass

Test Graphs

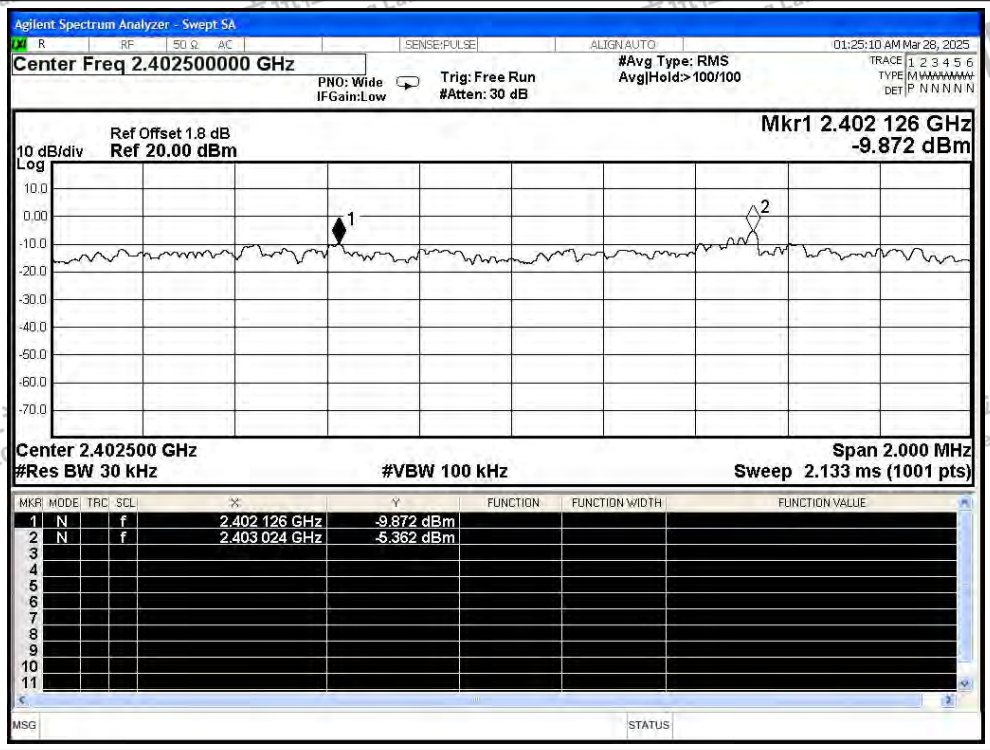
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

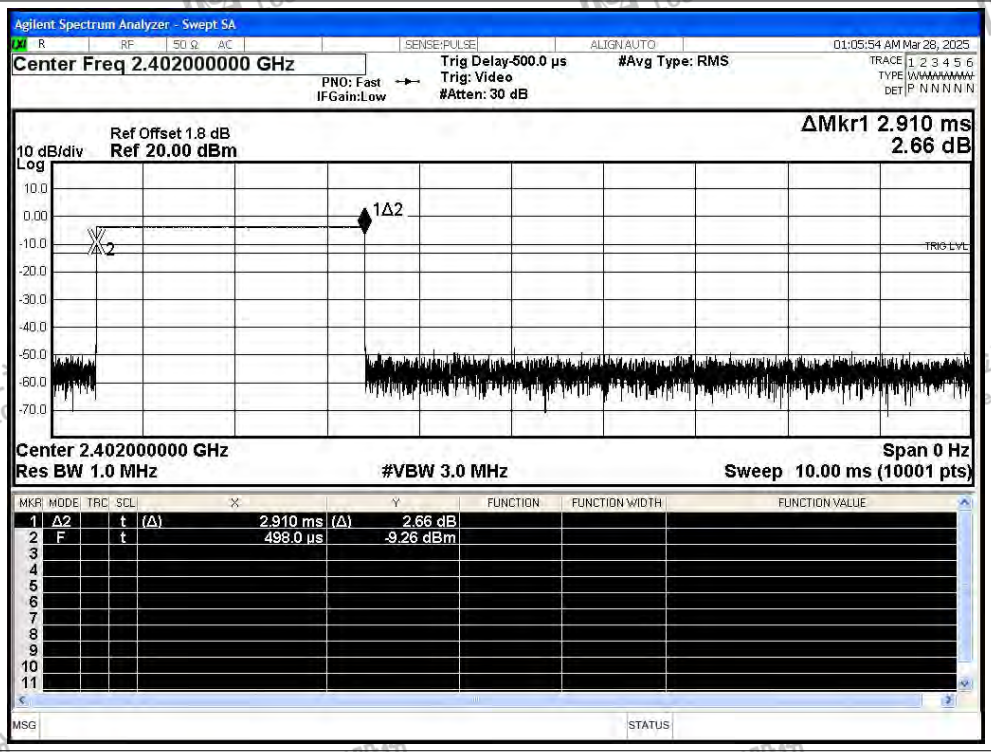


A.4 Dwell Time

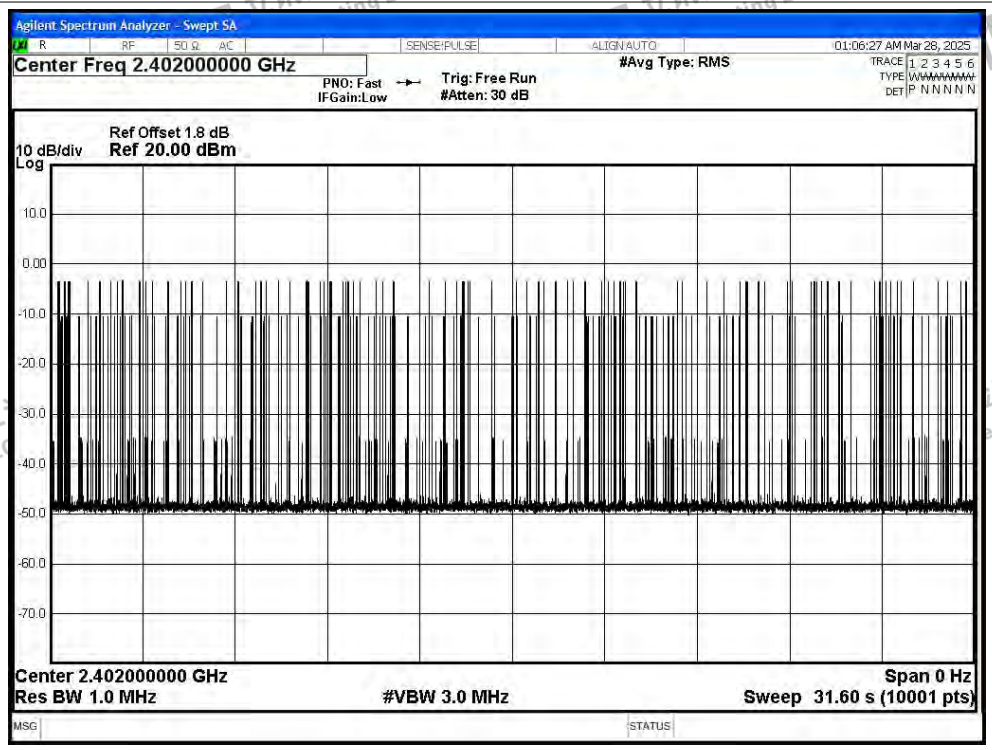
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.91	302.64	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	318.78	110	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.898	301.392	104	31600	400	Pass

Test Graphs

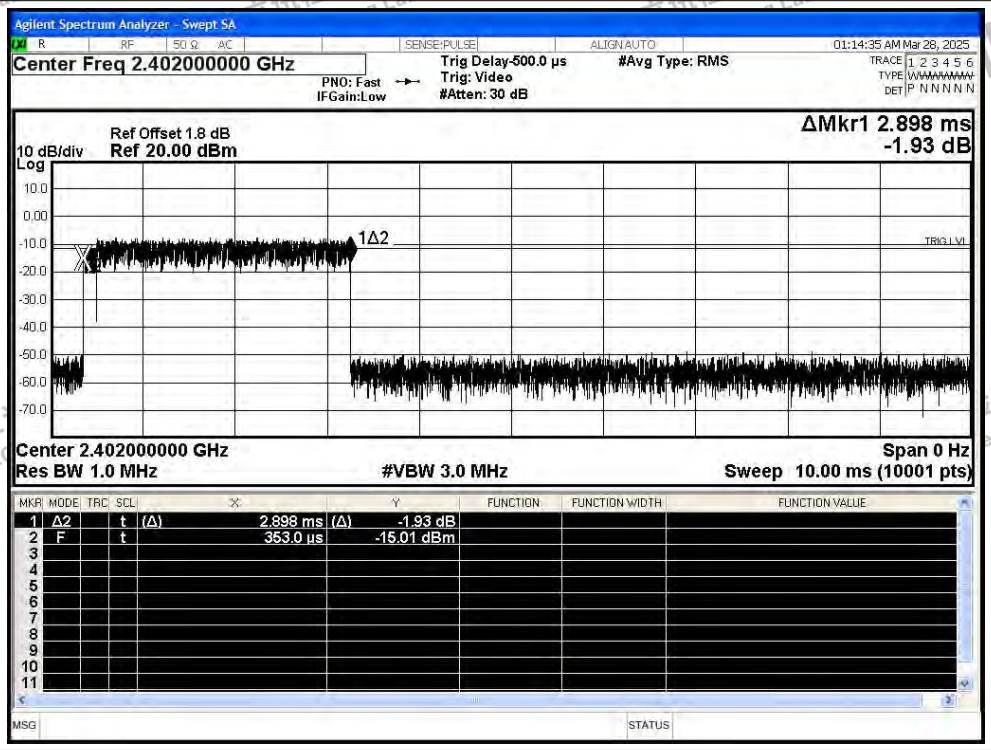
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



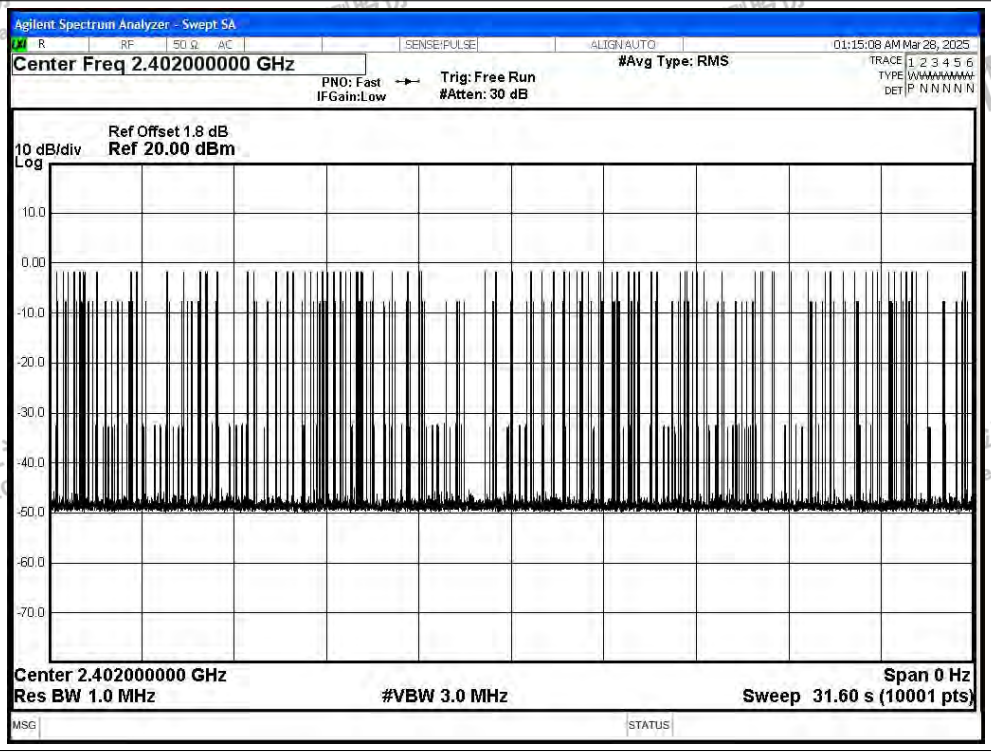
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



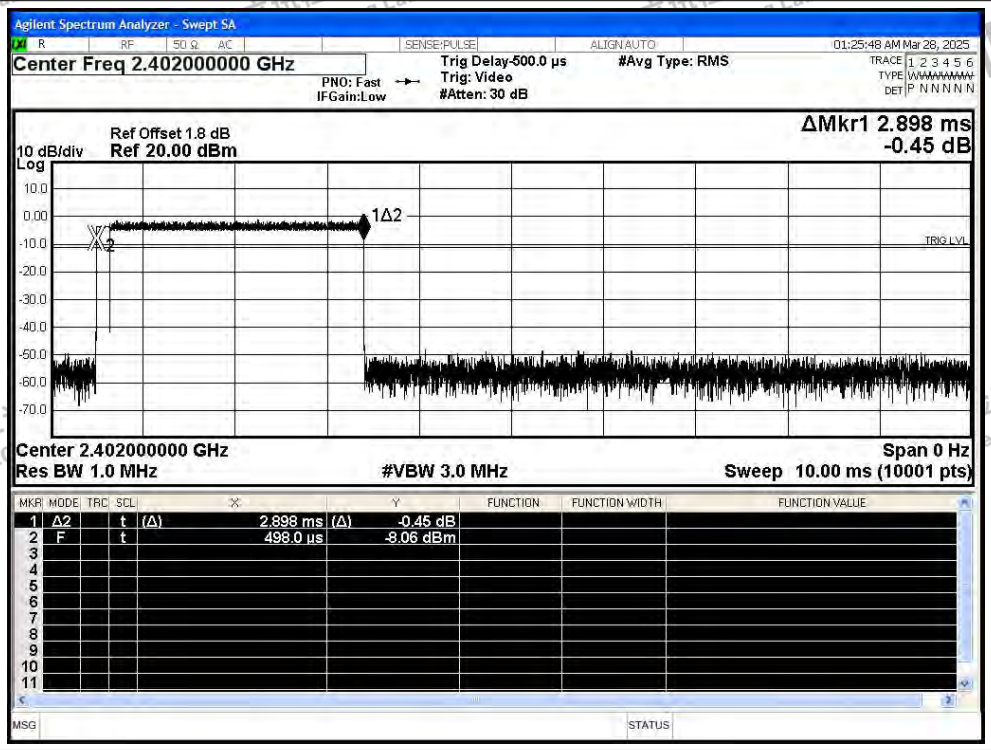
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



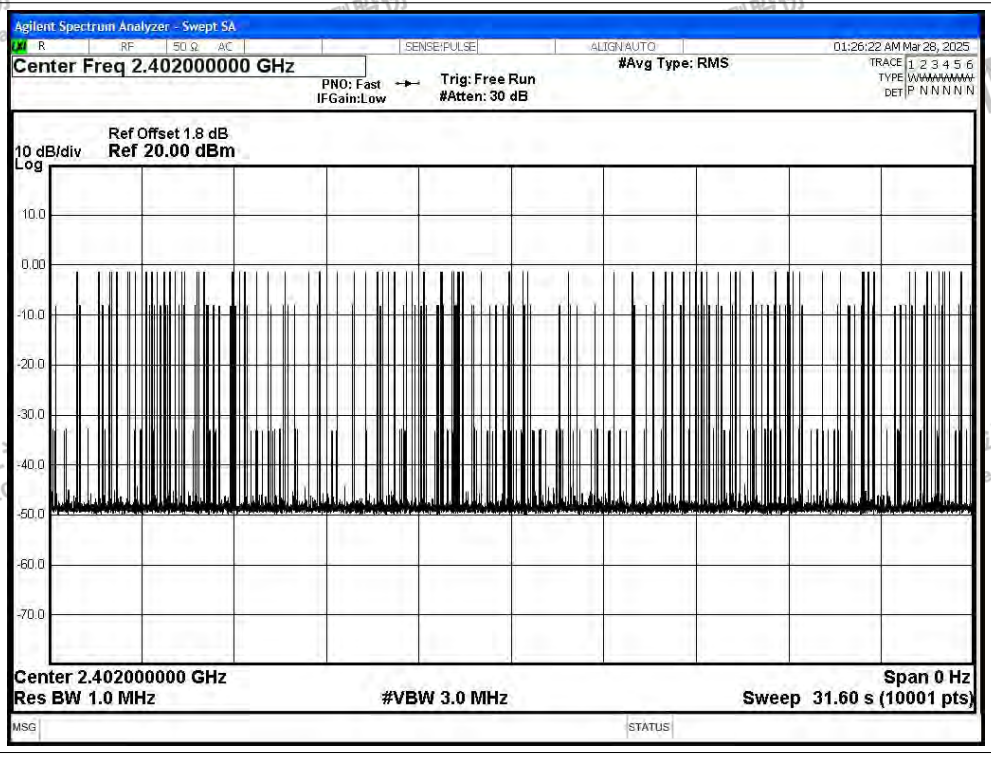
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

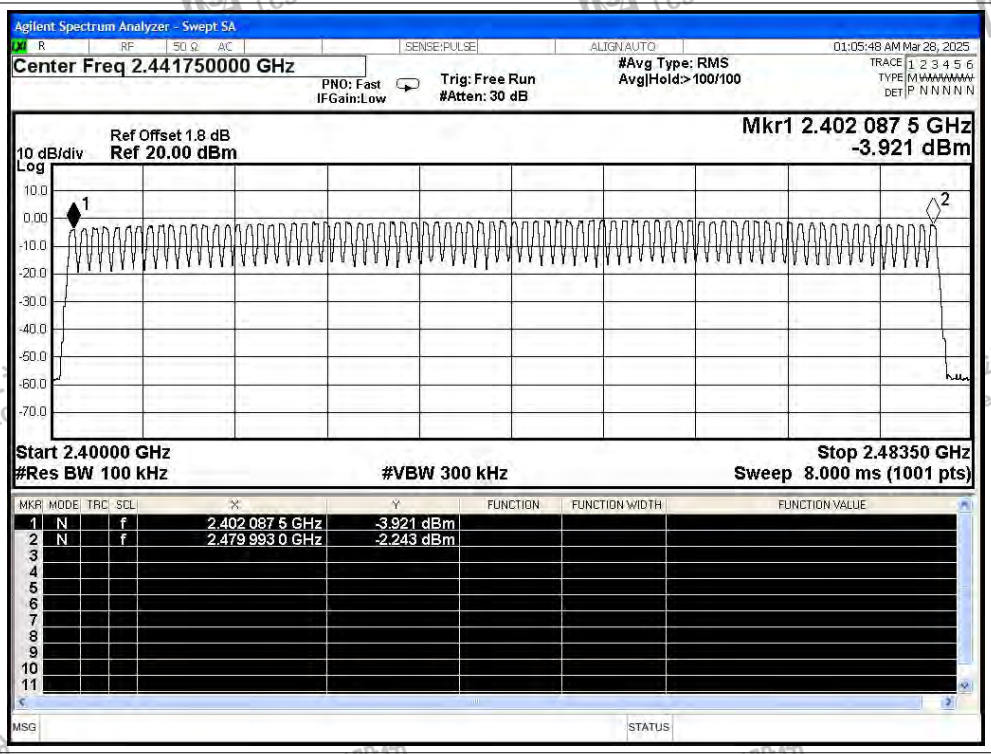


A.5 Number of Hopping Channel

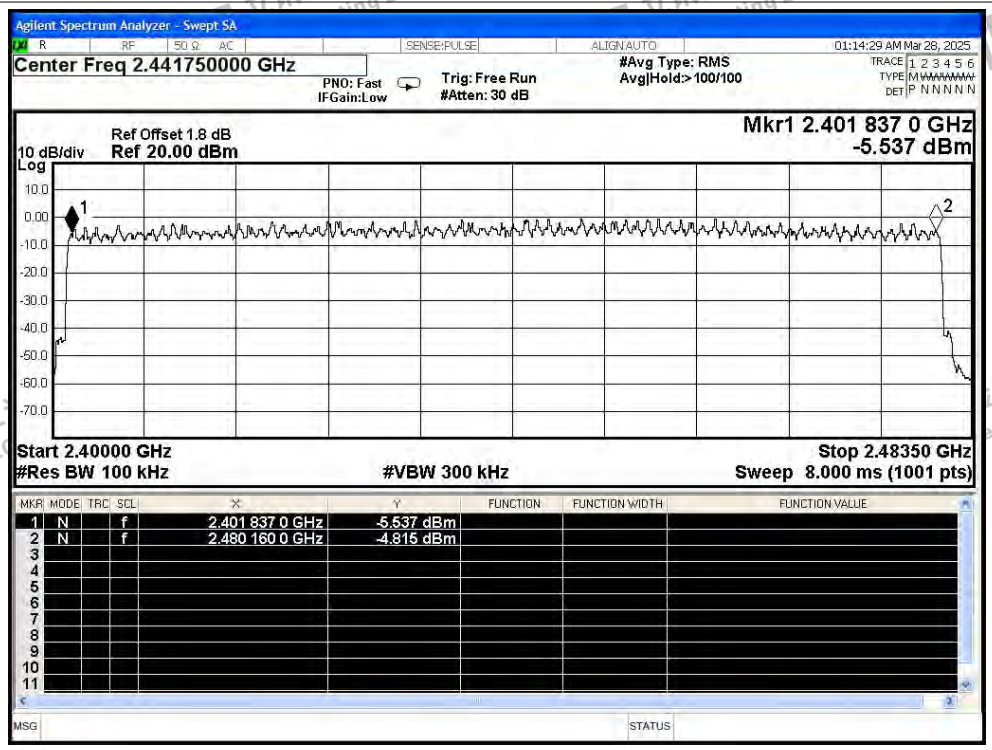
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

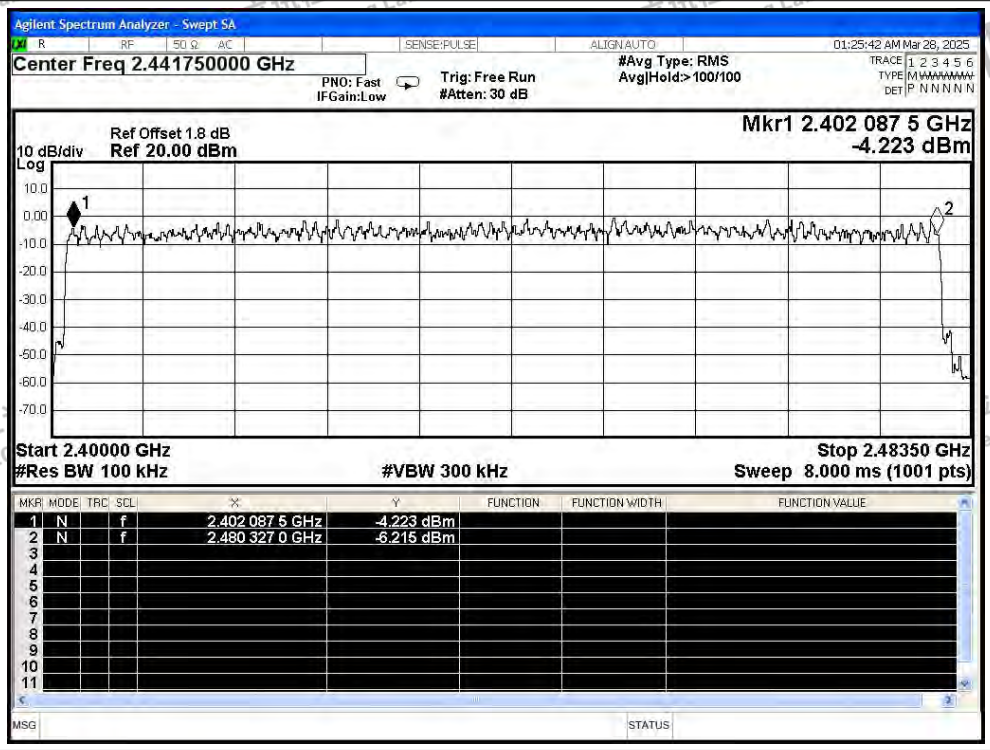
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

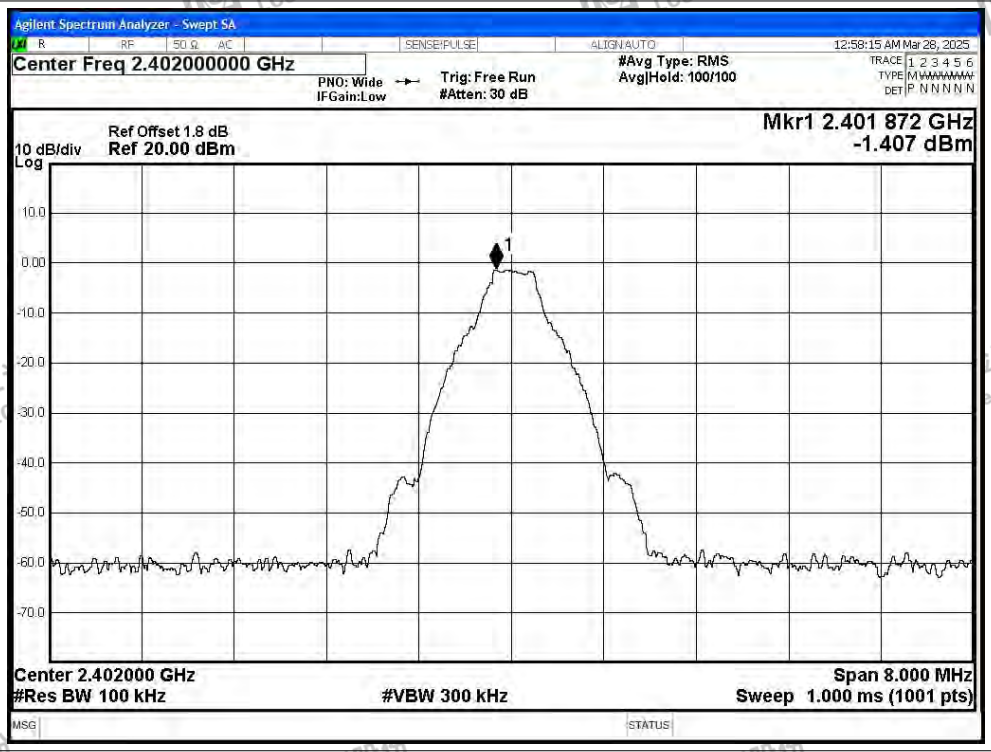


A.6 Band Edge

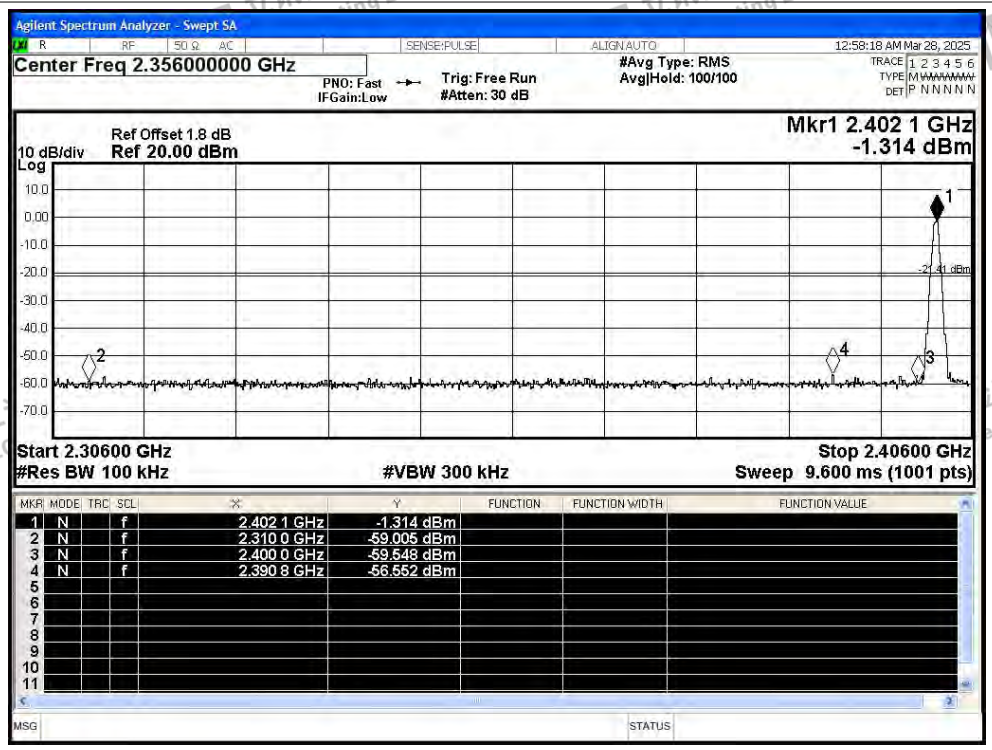
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.15	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.62	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.76	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.63	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.26	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.44	-20	Pass

Test Graphs

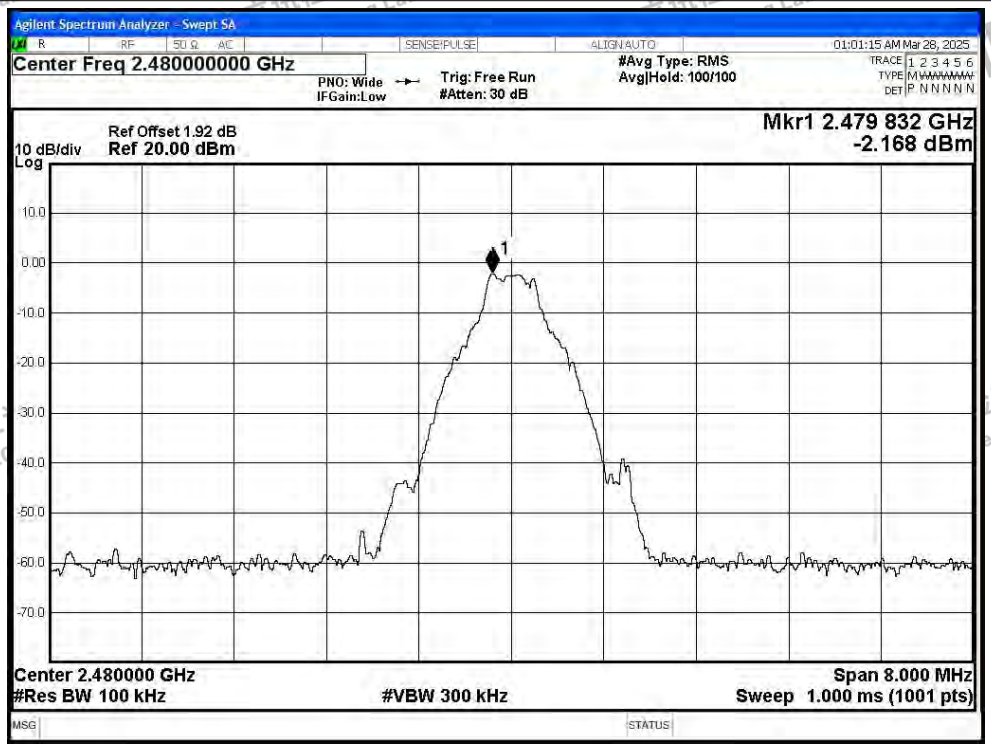
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



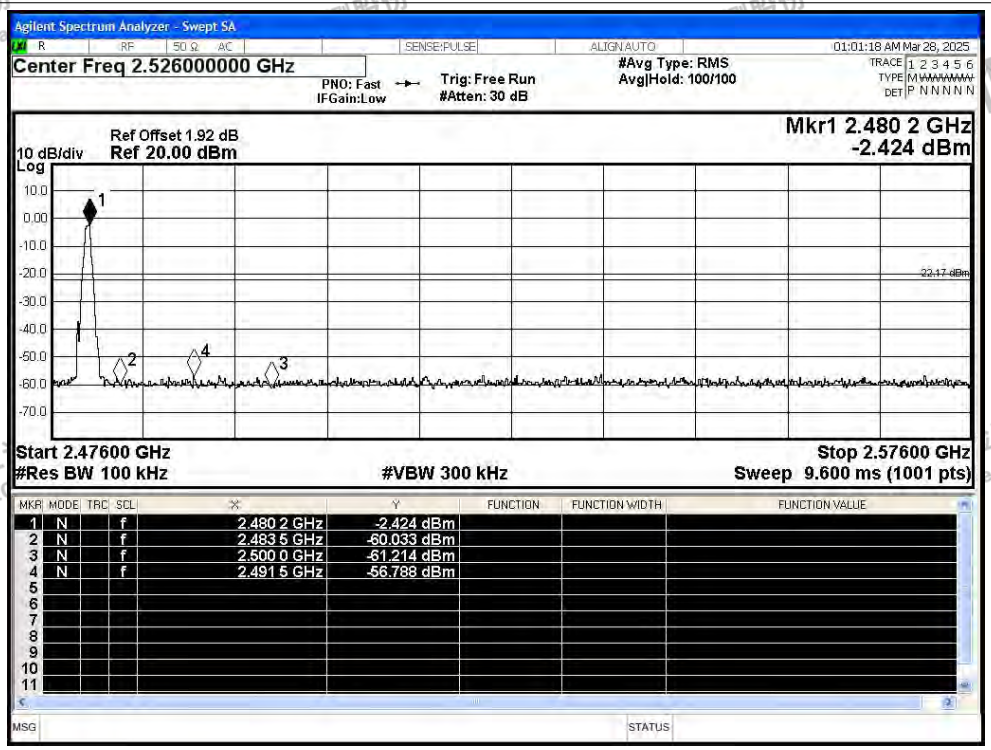
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



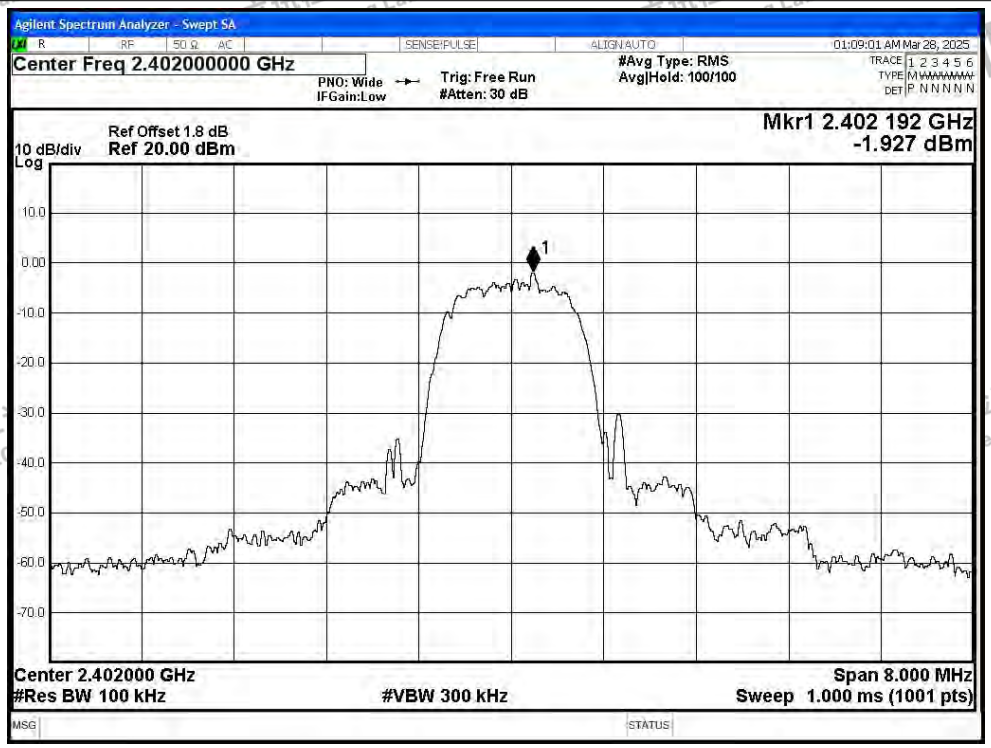
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



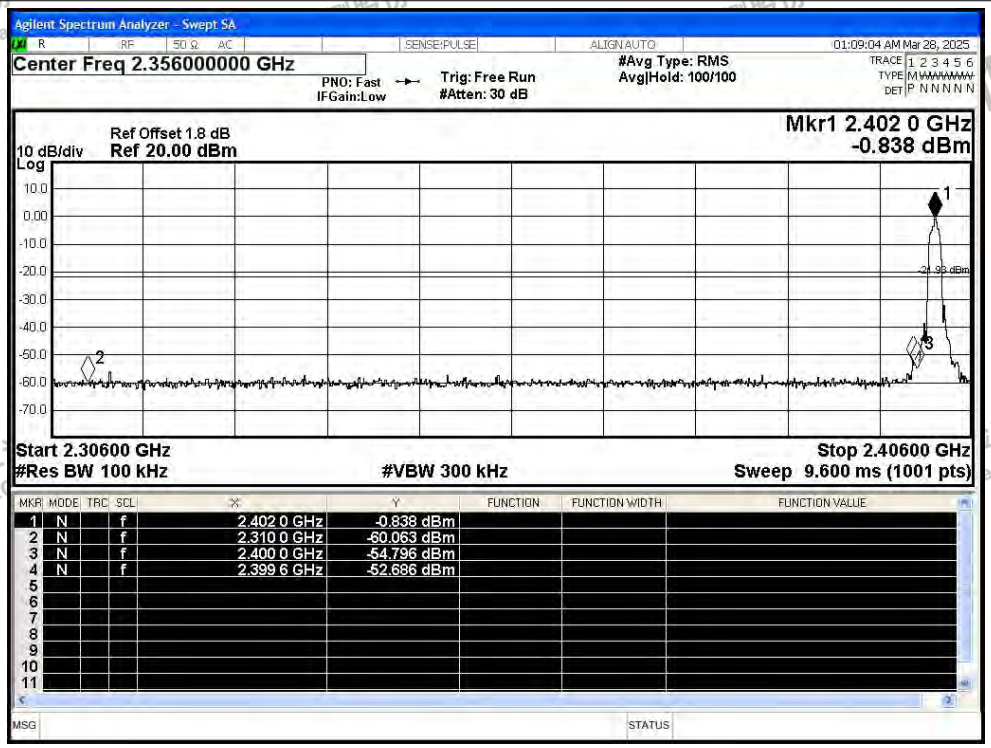
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



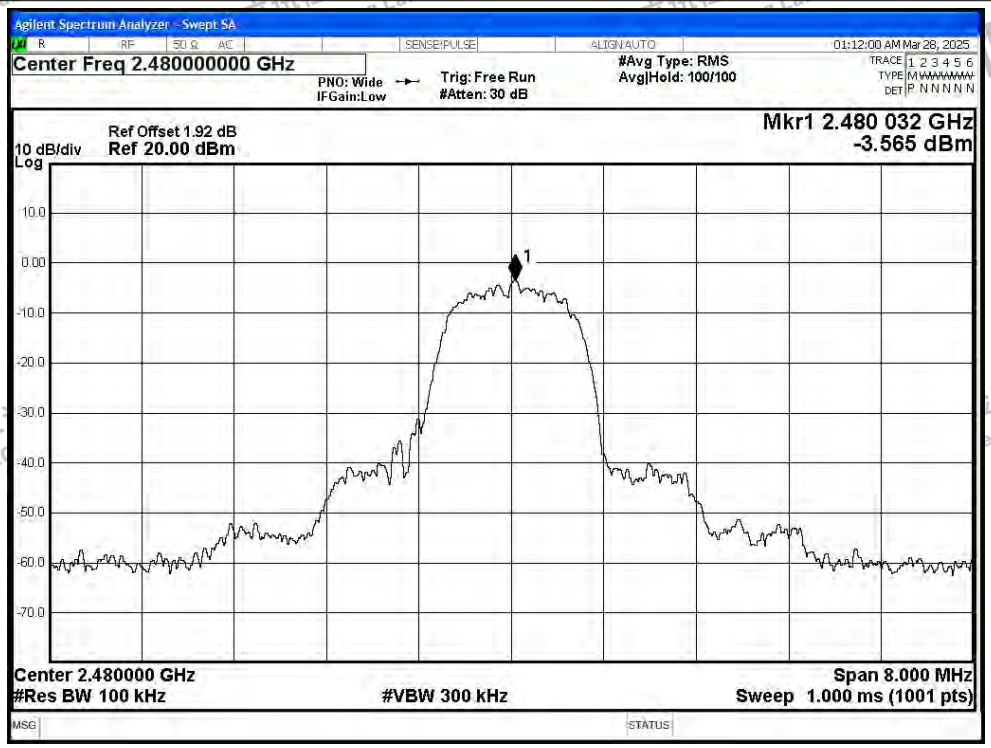
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



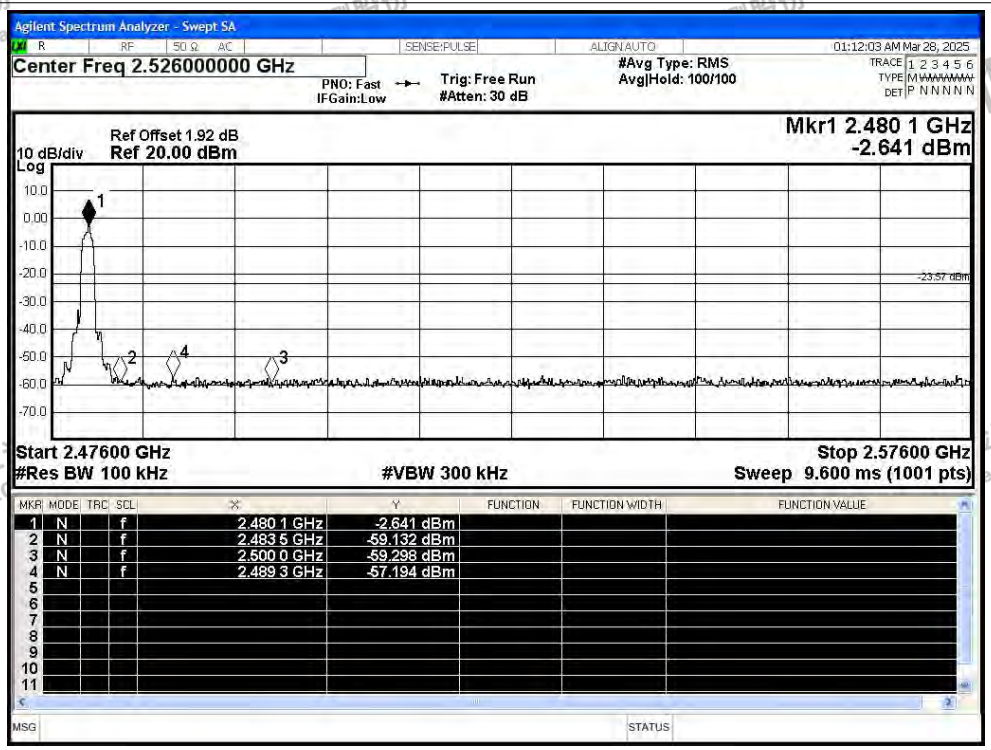
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



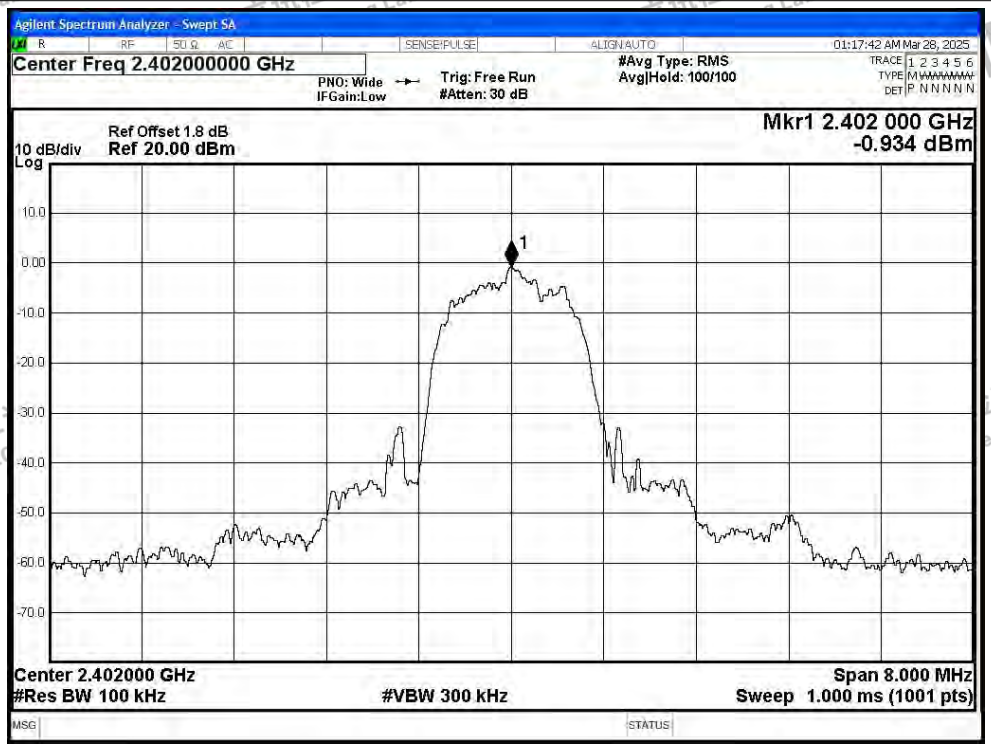
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



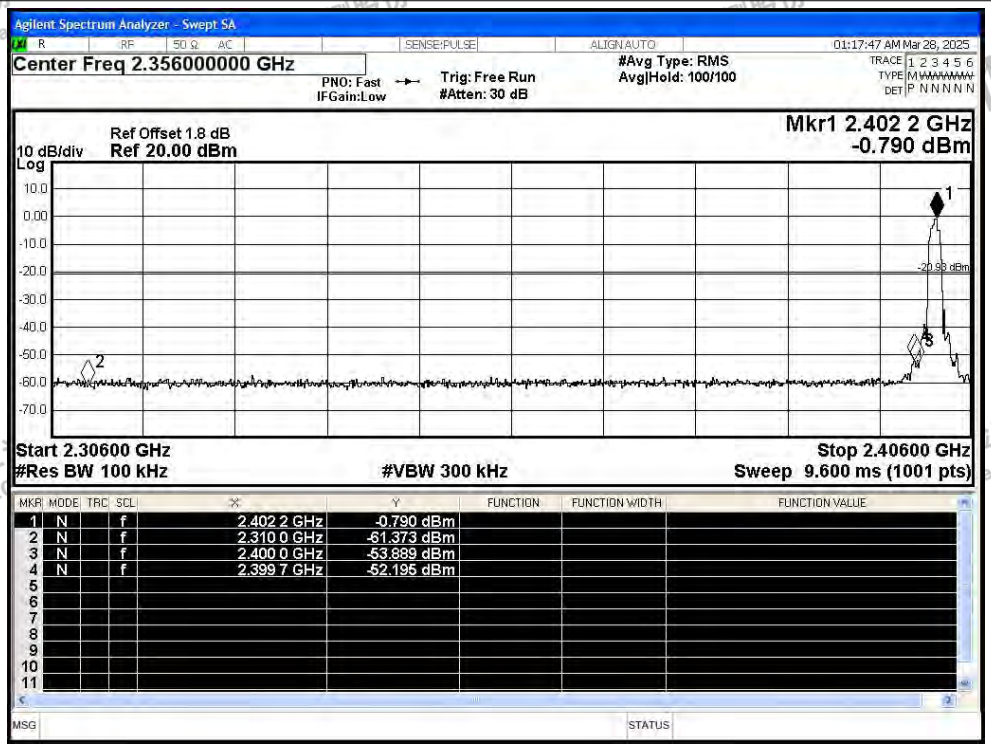
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



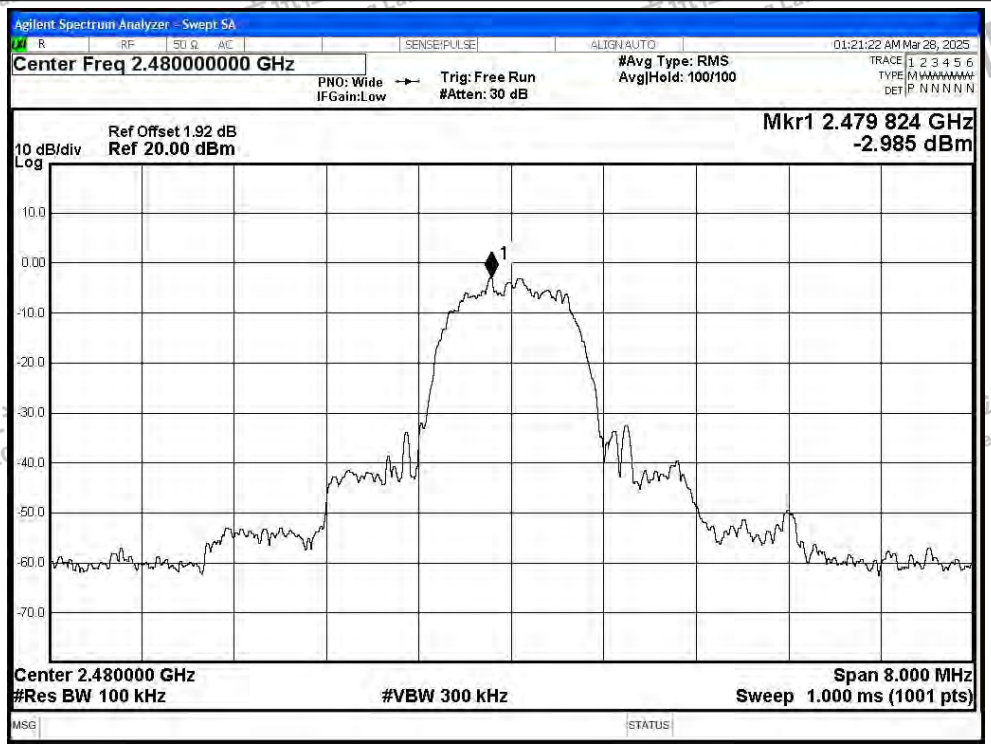
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



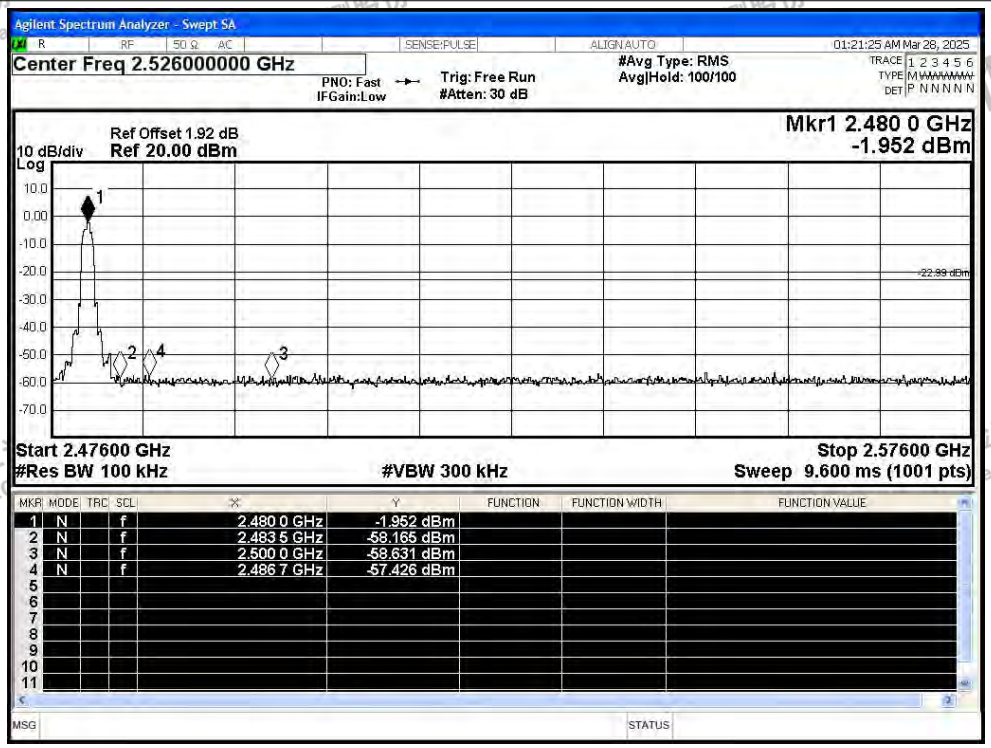
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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

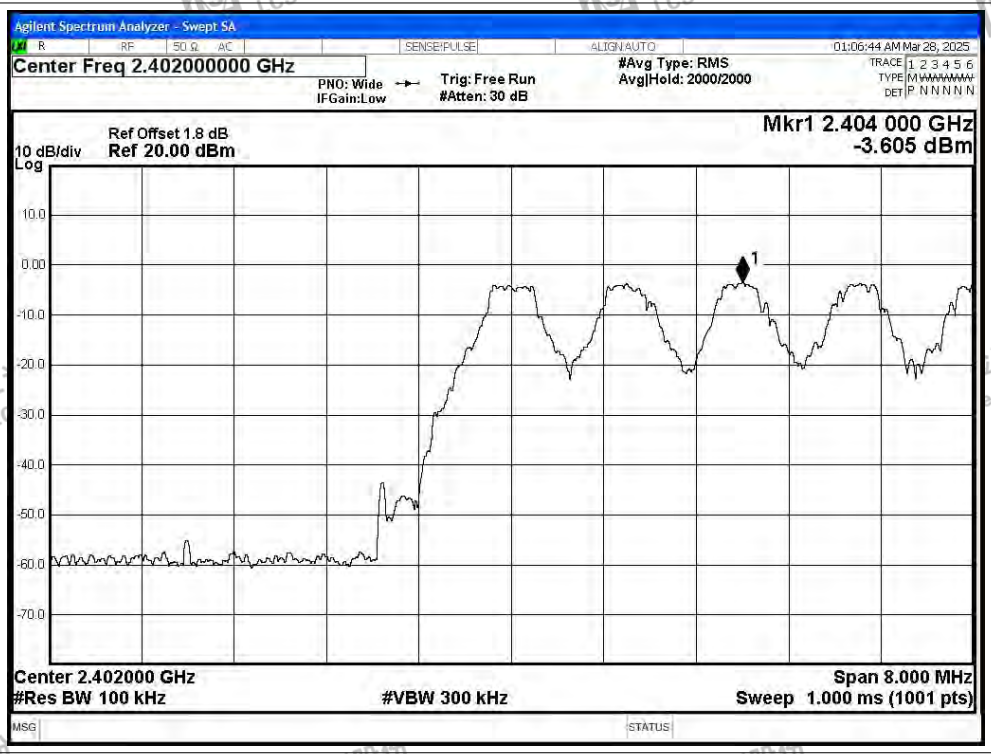


(Hopping)

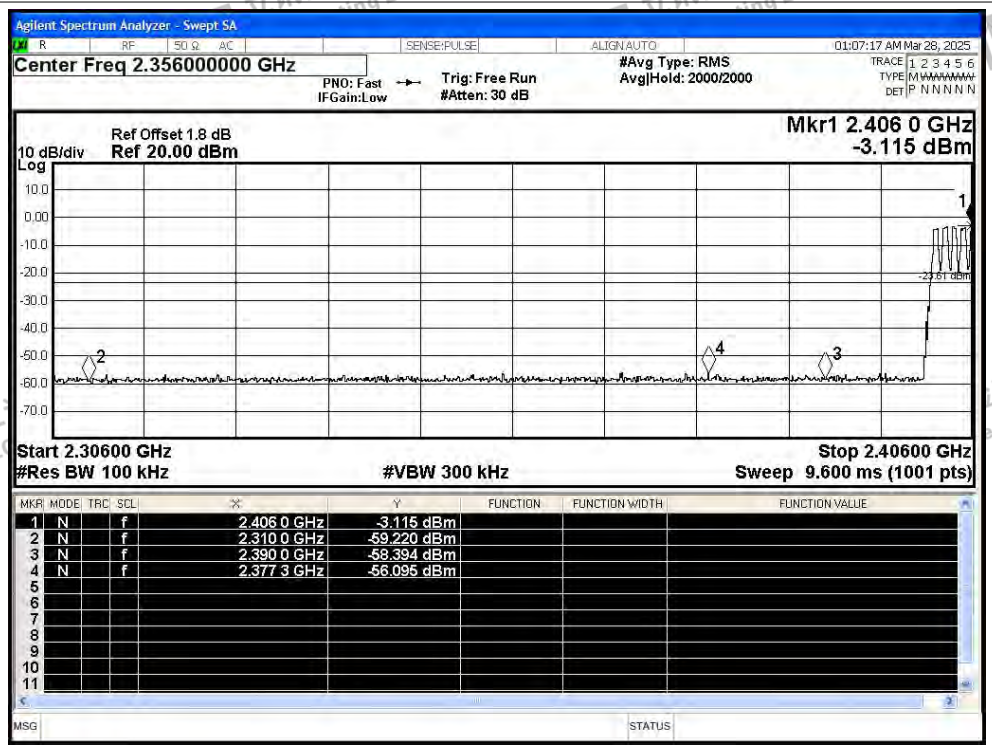
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-52.49	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-52.96	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-52.55	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.44	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-51.62	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.08	-20	Pass

Test Graphs

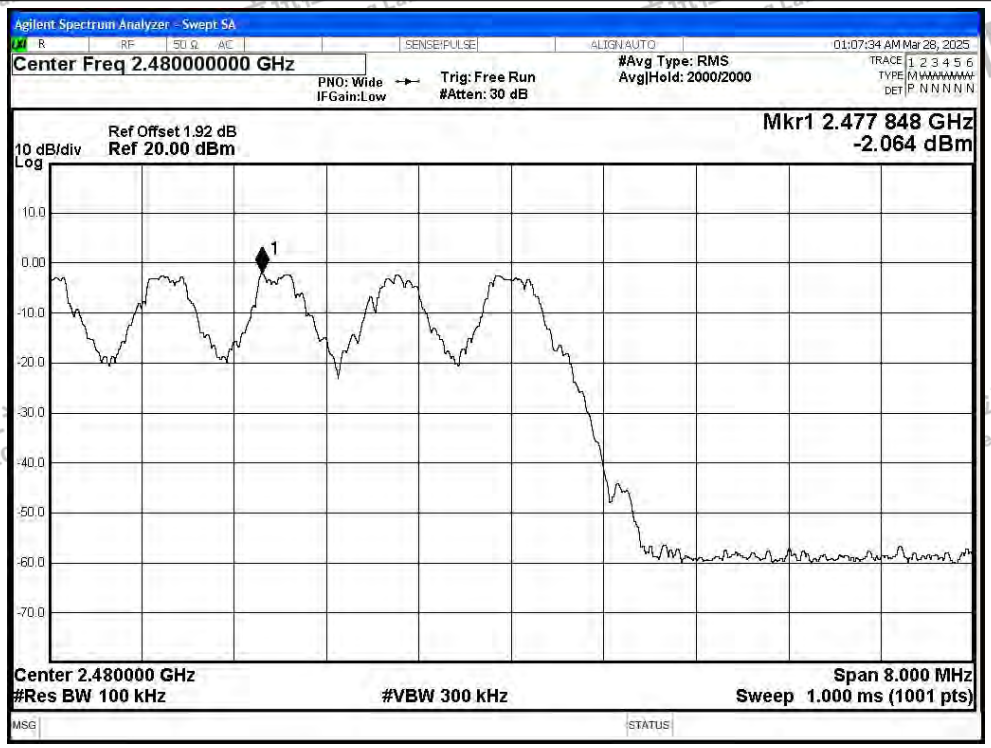
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



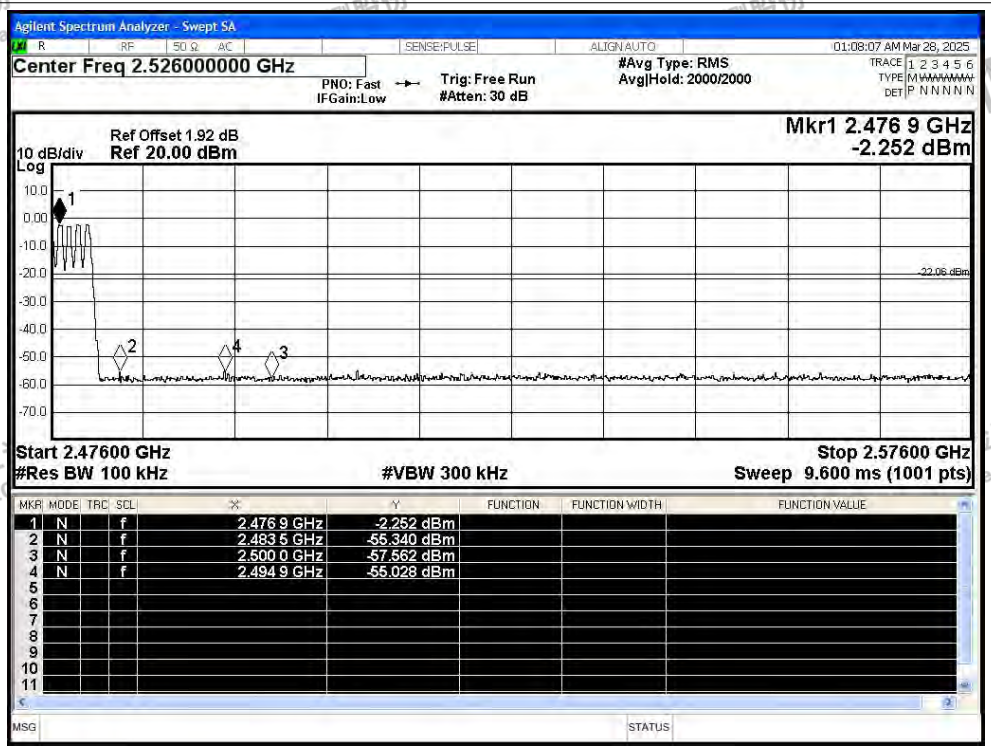
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



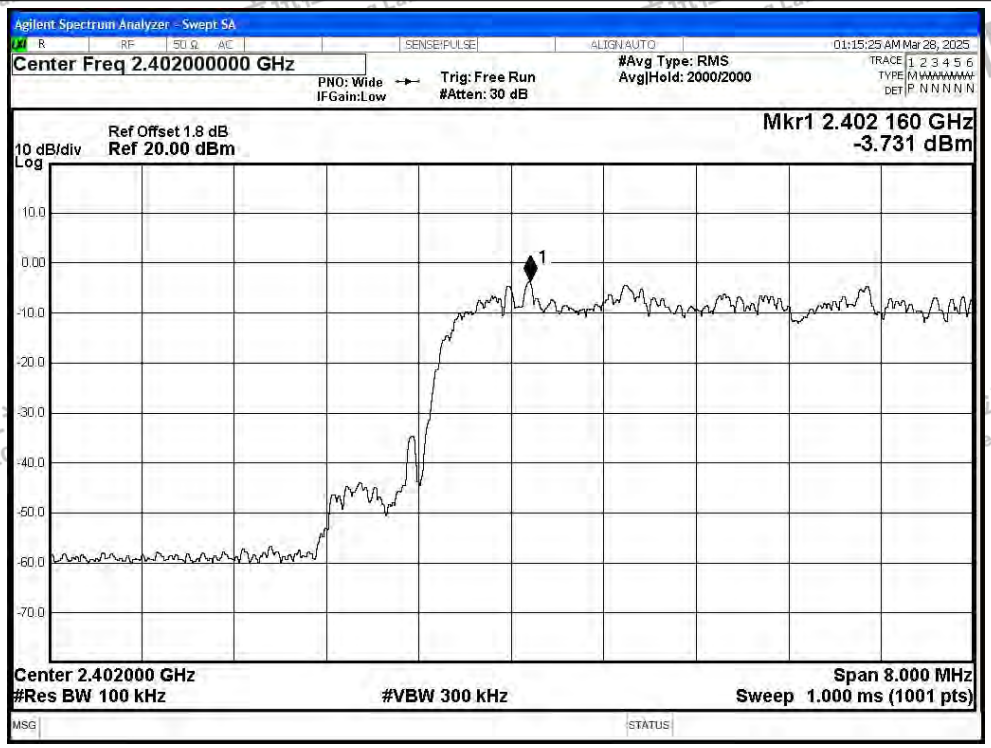
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



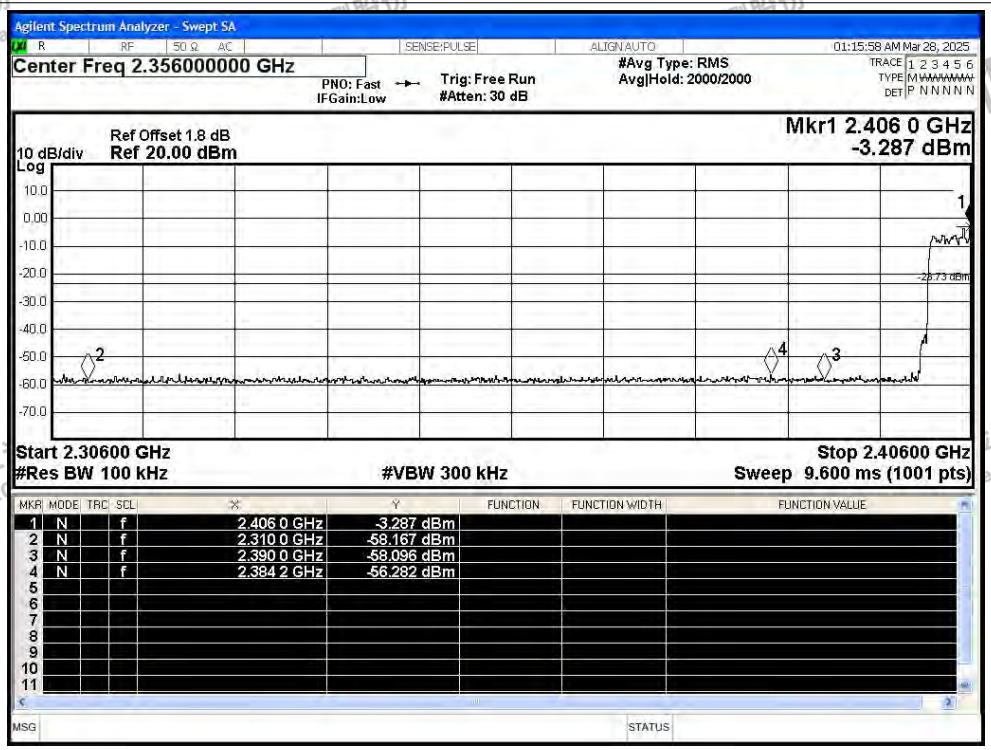
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



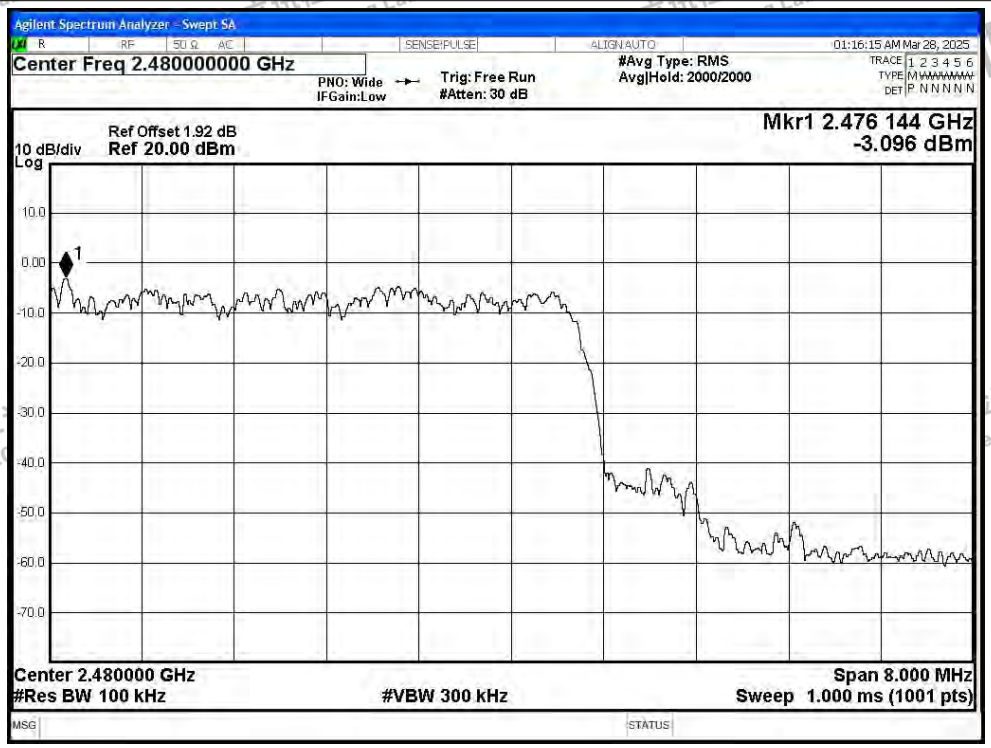
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



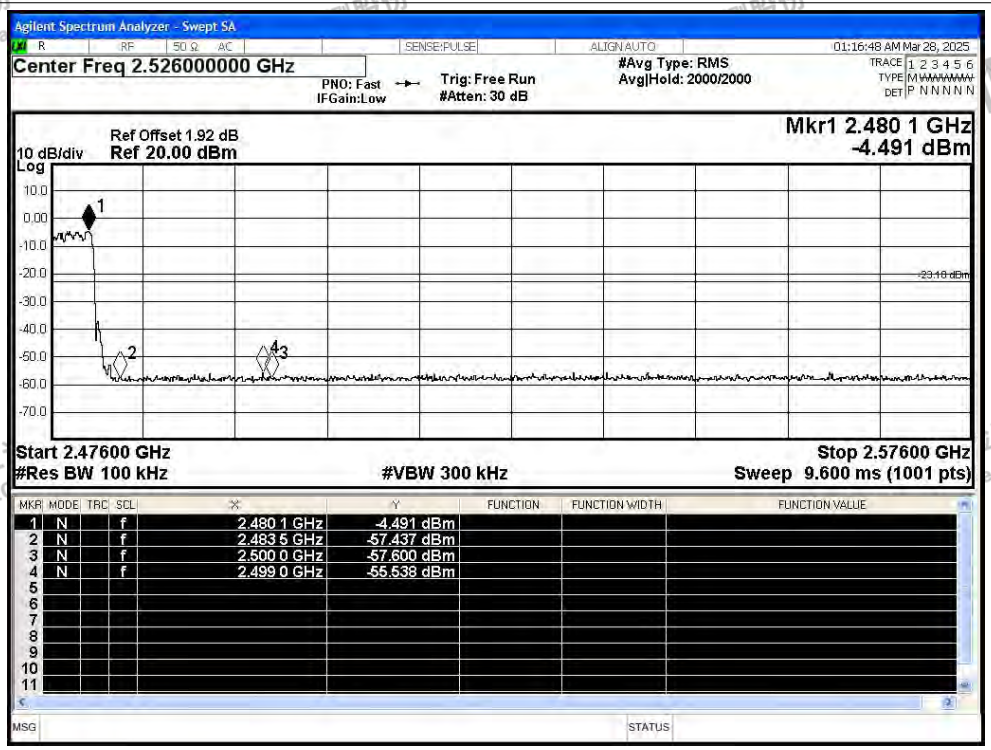
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



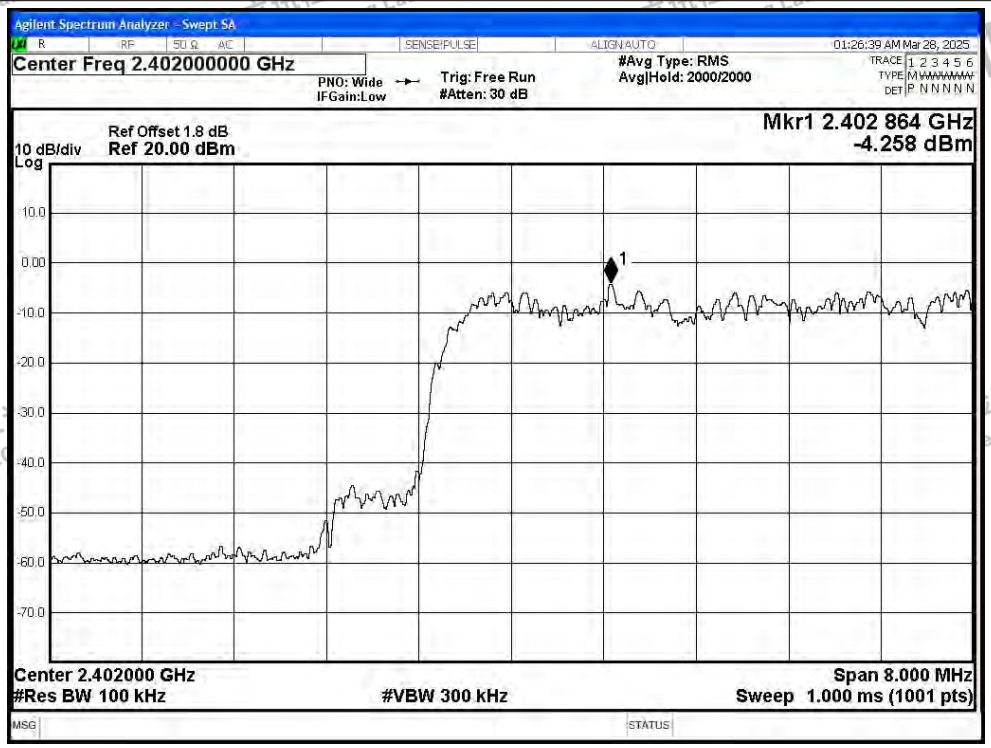
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



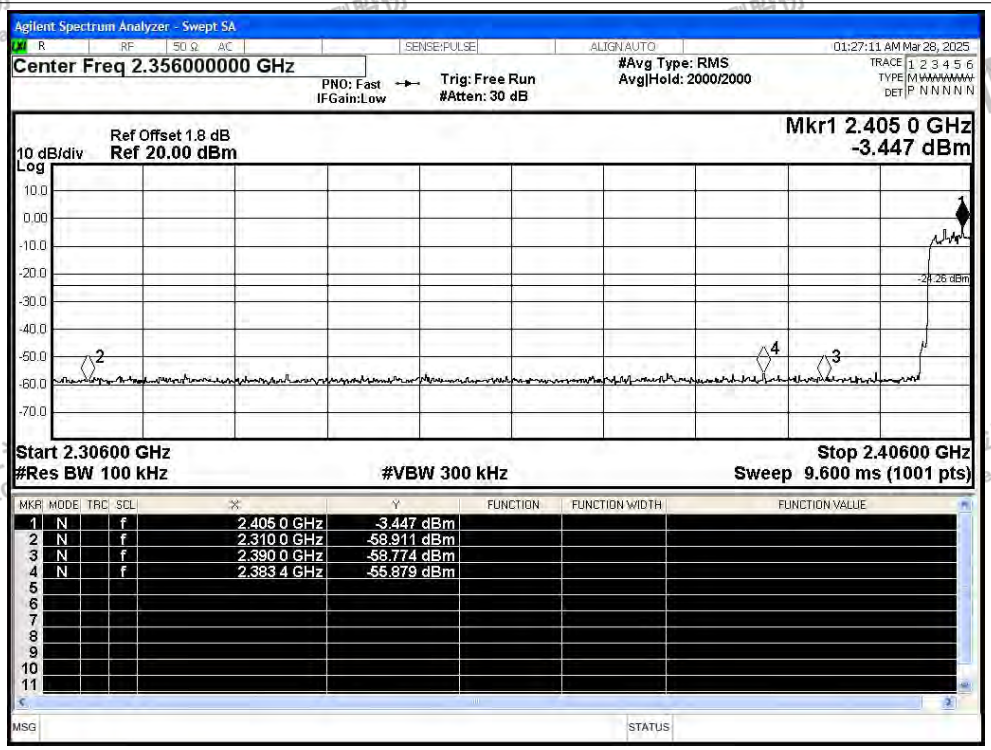
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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

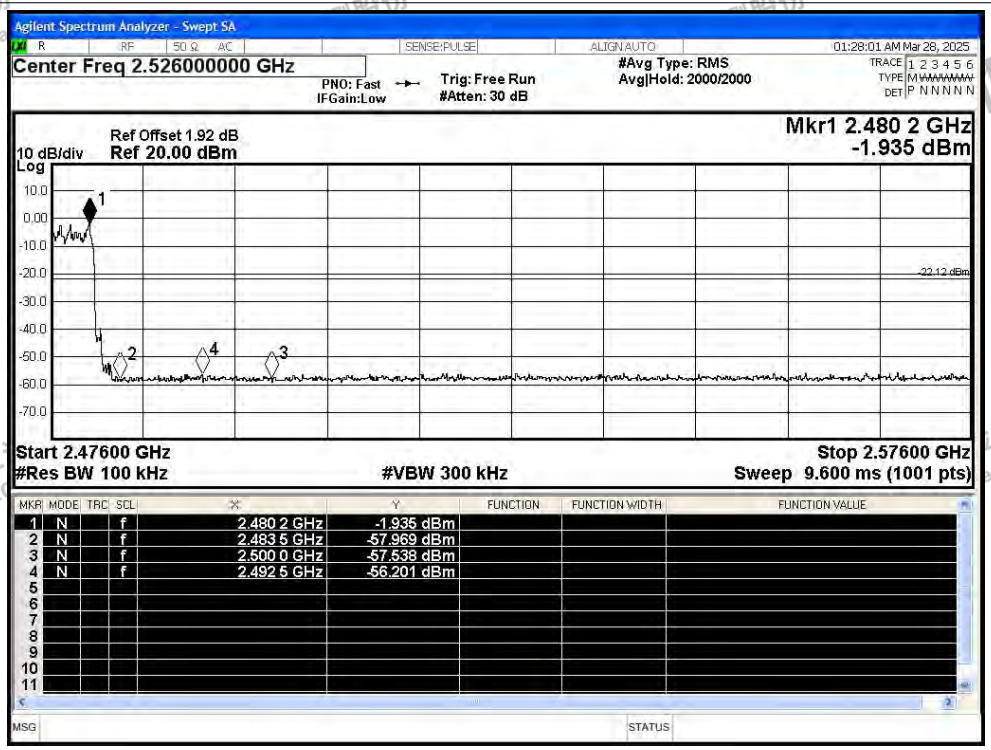


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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

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

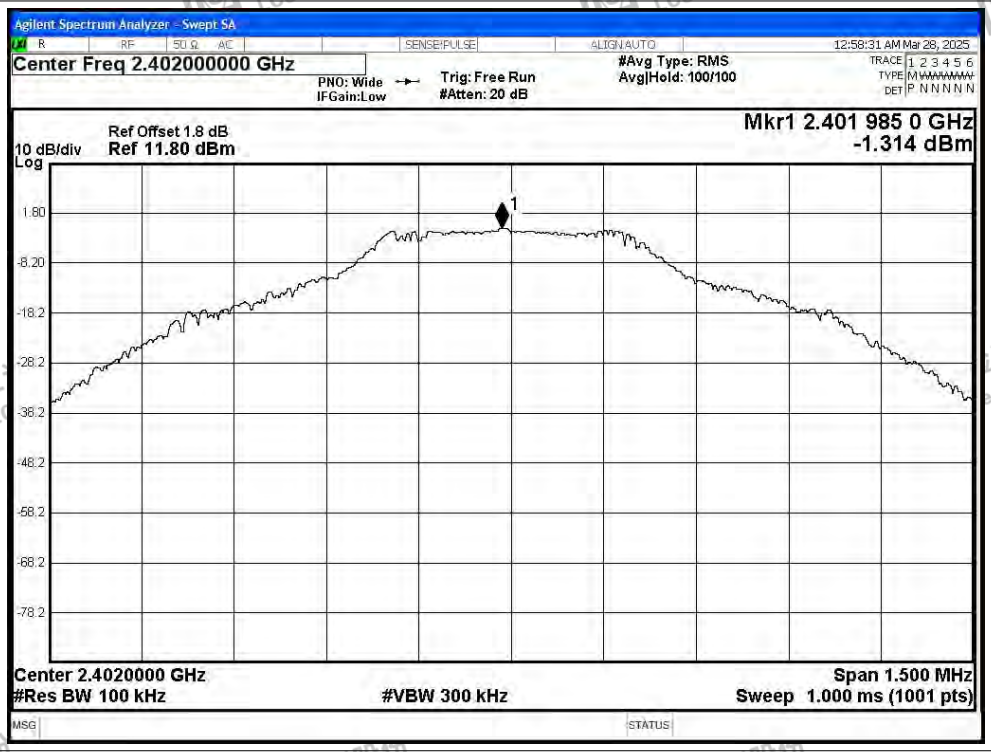


A.7 Conducted RF Spurious Emission

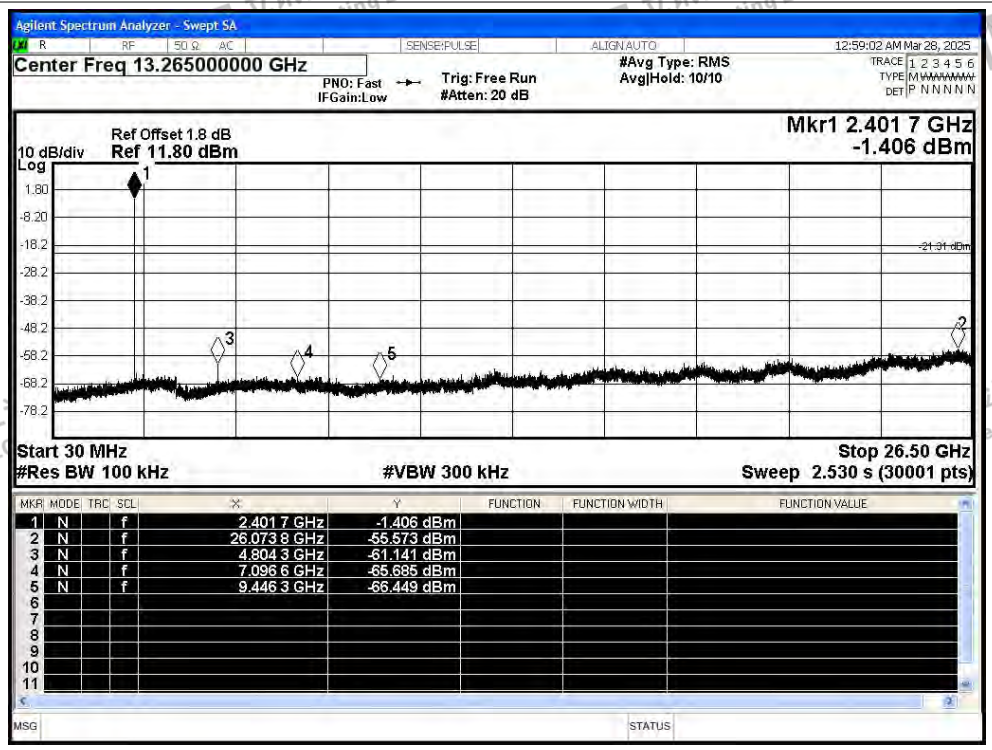
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.26	-20	Pass
NVNT	1-DH5	2441	Ant1	-51.67	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.8	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.72	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.59	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.47	-20	Pass
NVNT	3-DH5	2402	Ant1	-55.01	-20	Pass
NVNT	3-DH5	2441	Ant1	-54.57	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.82	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

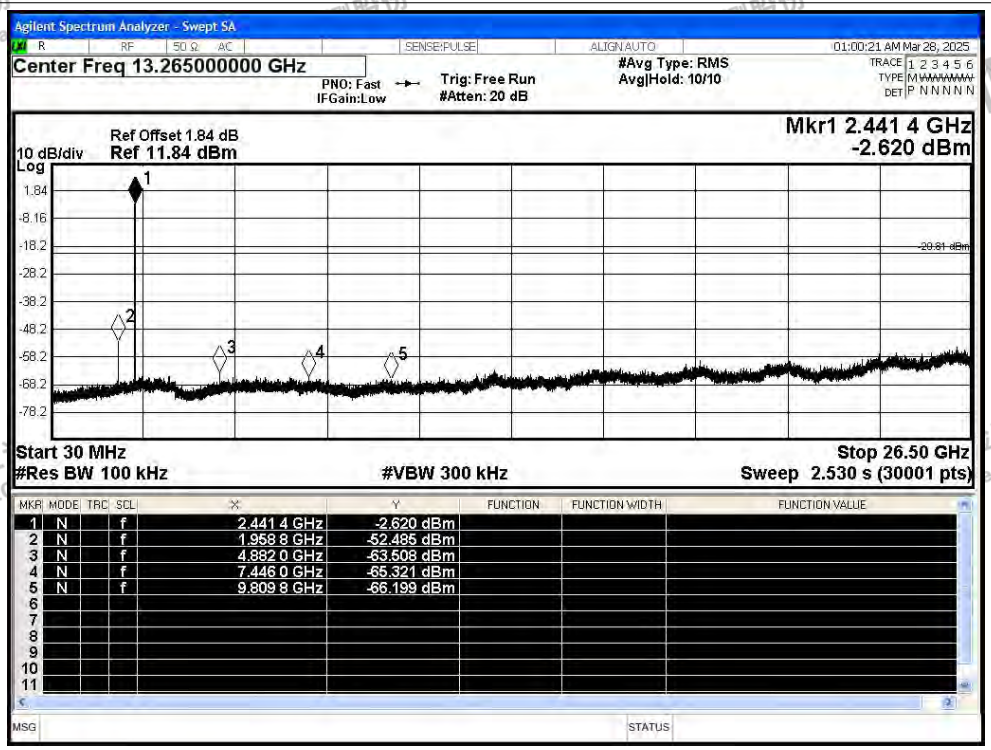


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



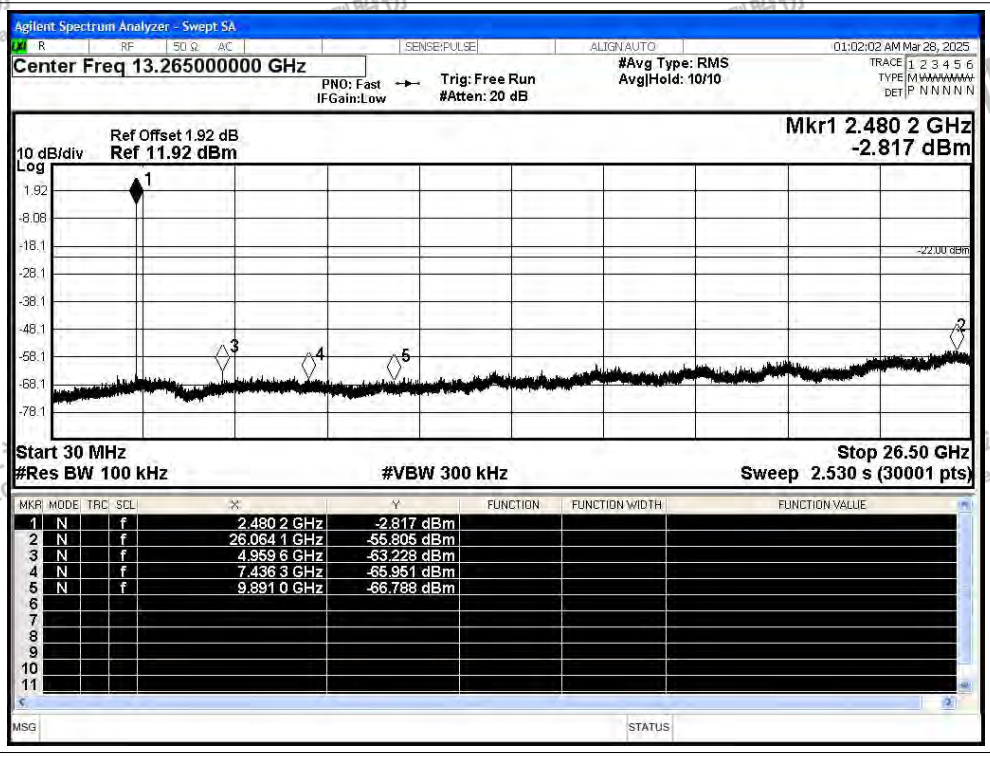
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

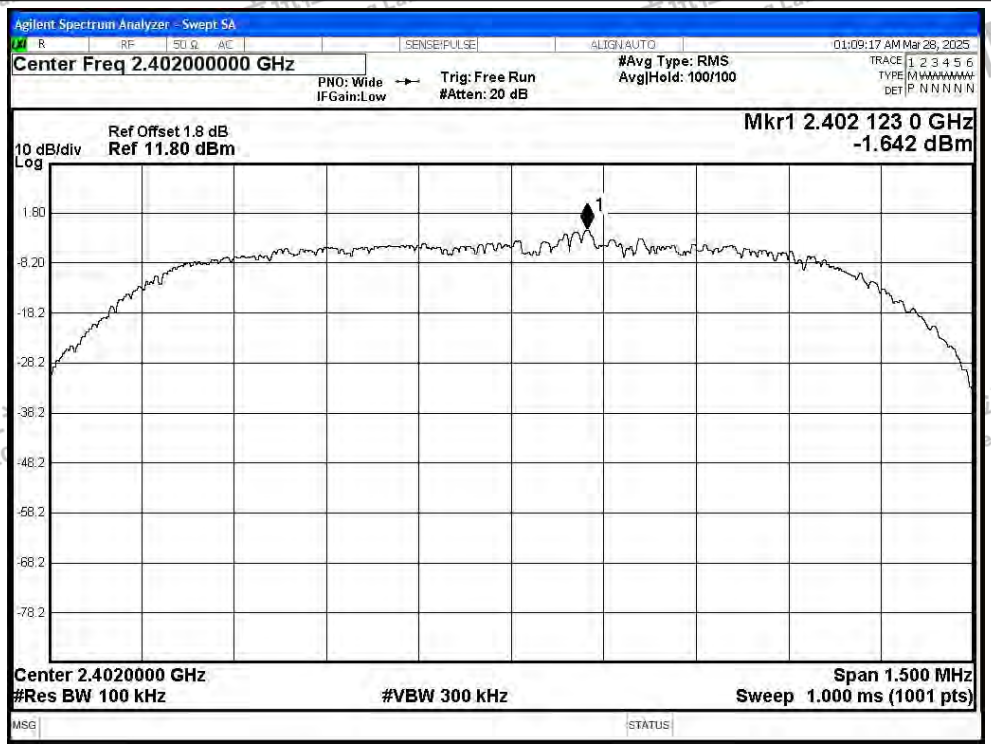


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

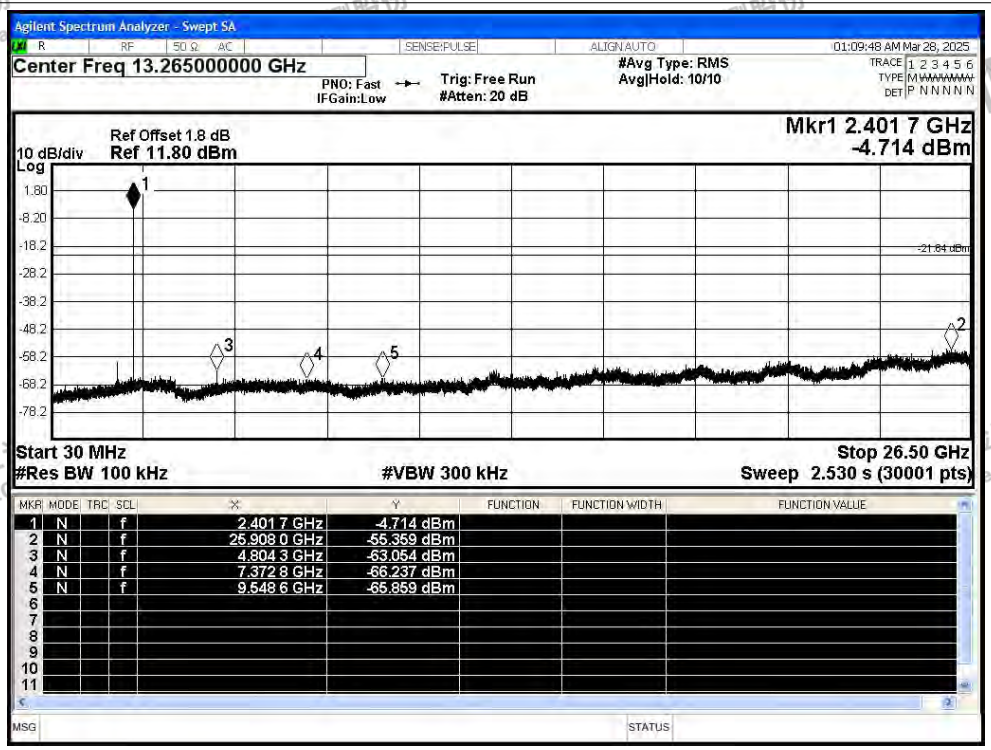
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



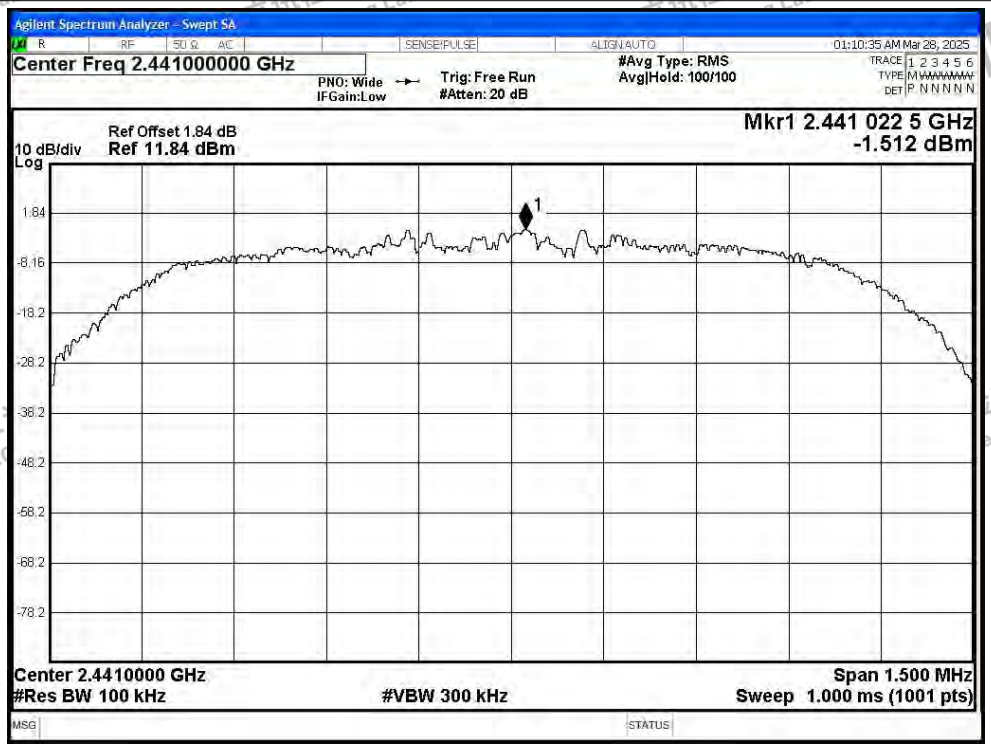
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



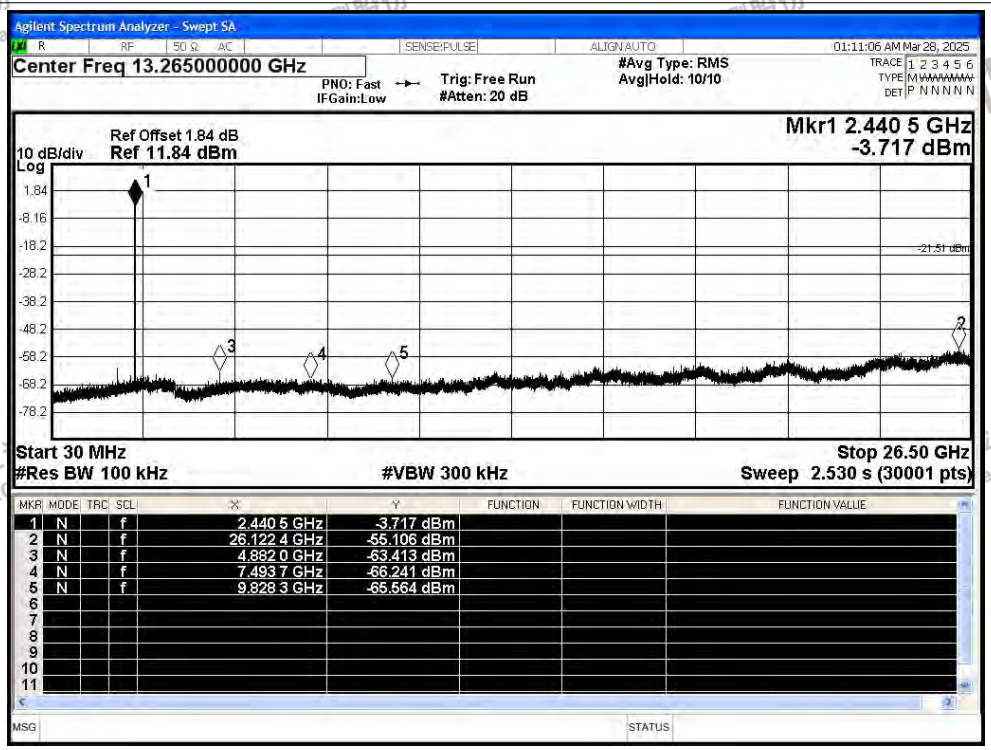
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

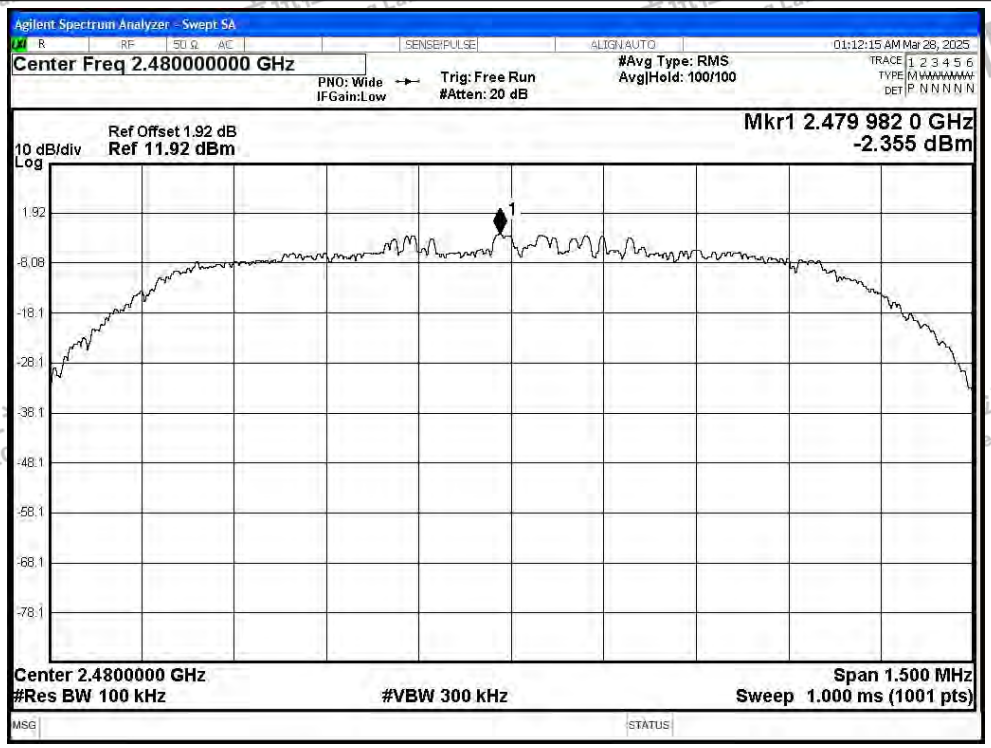


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

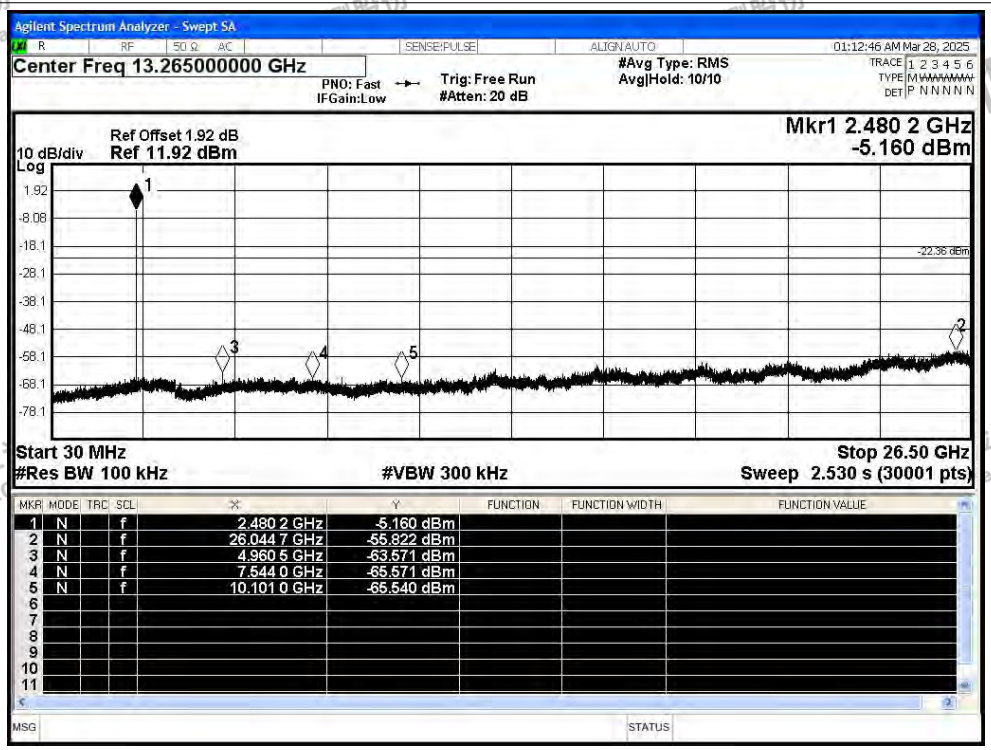


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.440 5 GHz	-3.717 dBm			
2	N		f	26.122 4 GHz	-55.106 dBm			
3	N		f	4.882 0 GHz	-63.413 dBm			
4	N		f	7.493 7 GHz	-66.241 dBm			
5	N		f	9.828 3 GHz	-65.564 dBm			
6								
7								
8								
9								
10								
11								

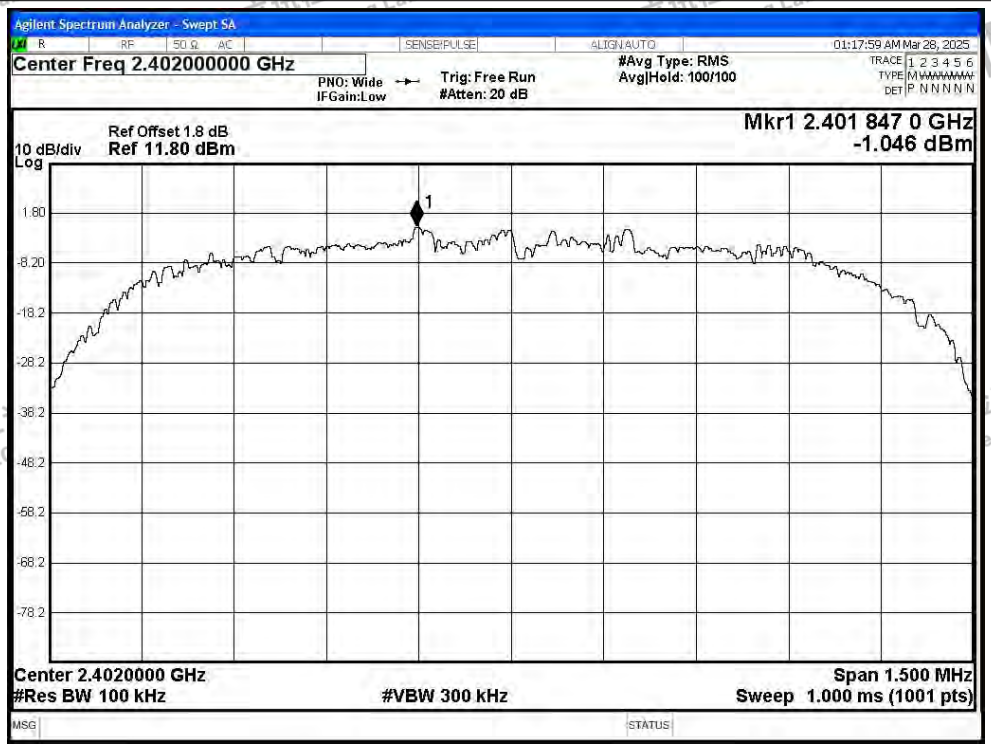
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



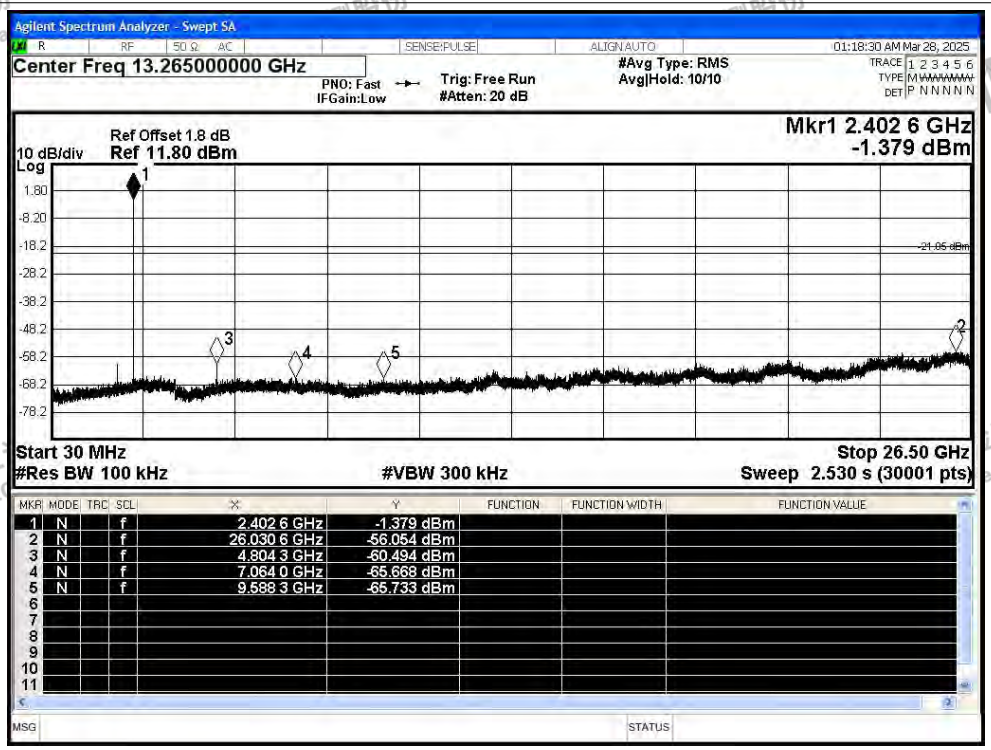
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref

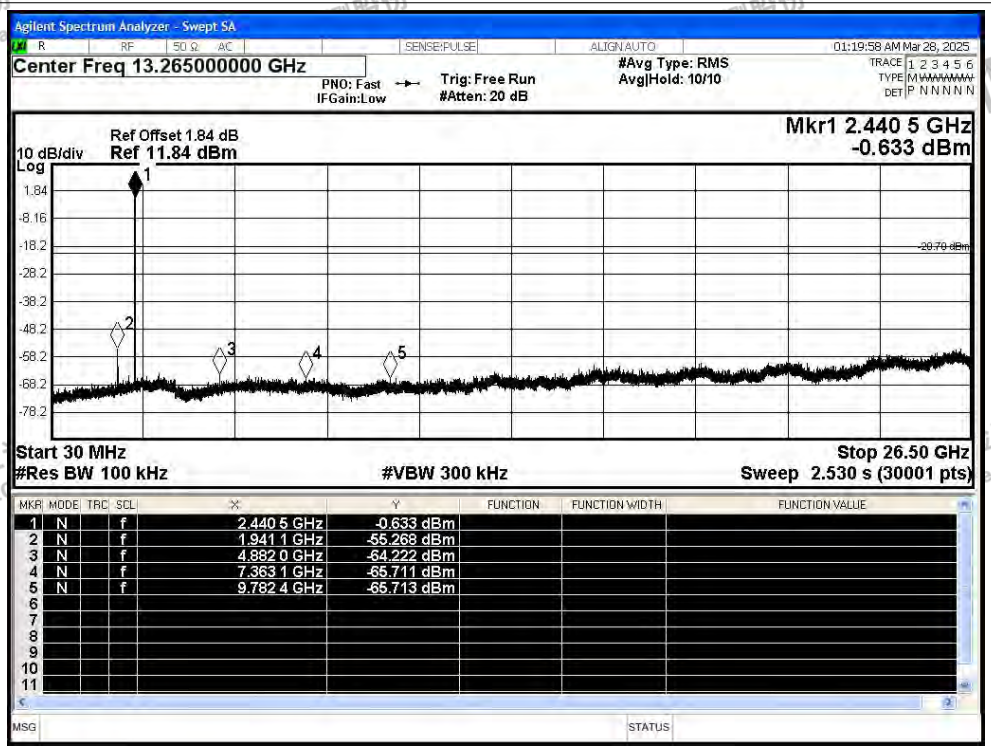


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

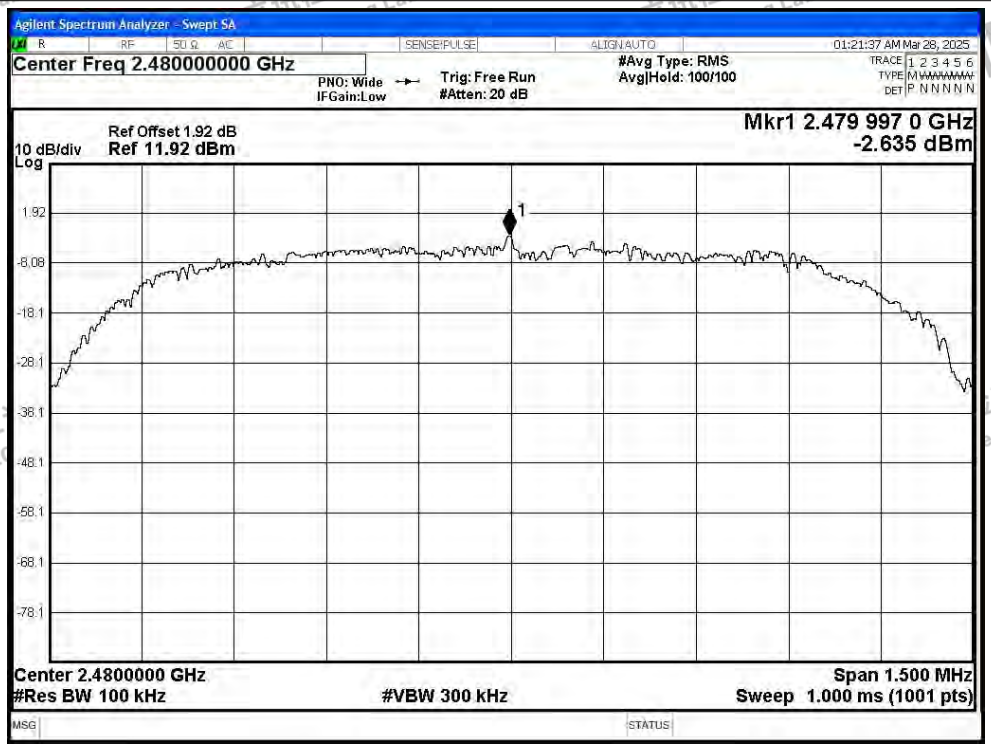


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

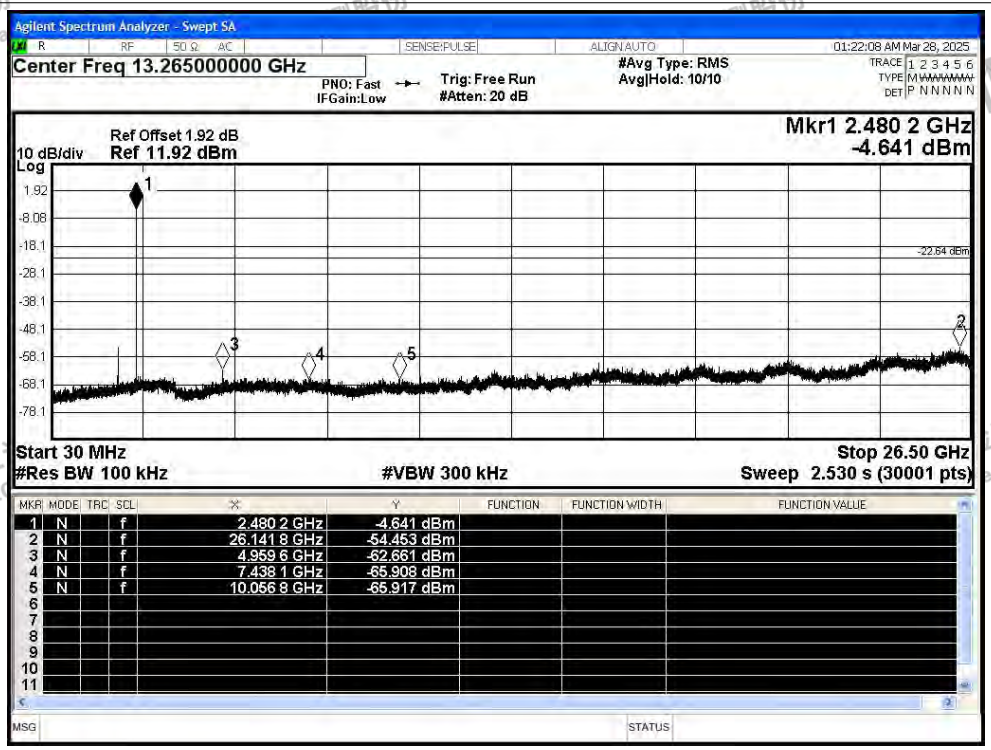
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

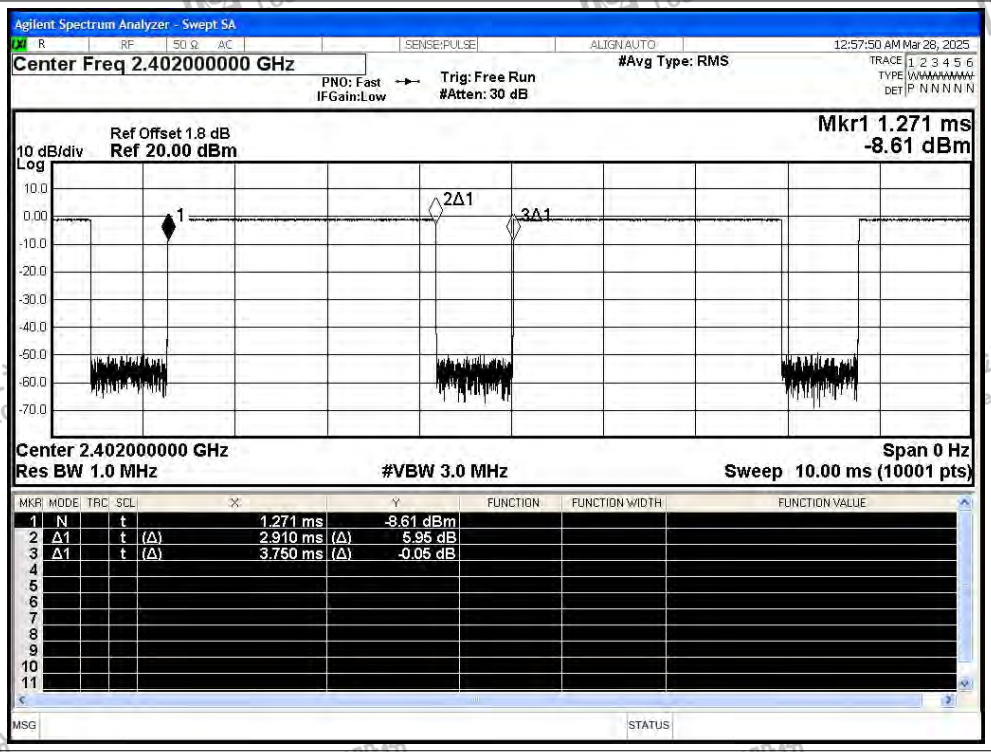


A.8 Duty Cycle

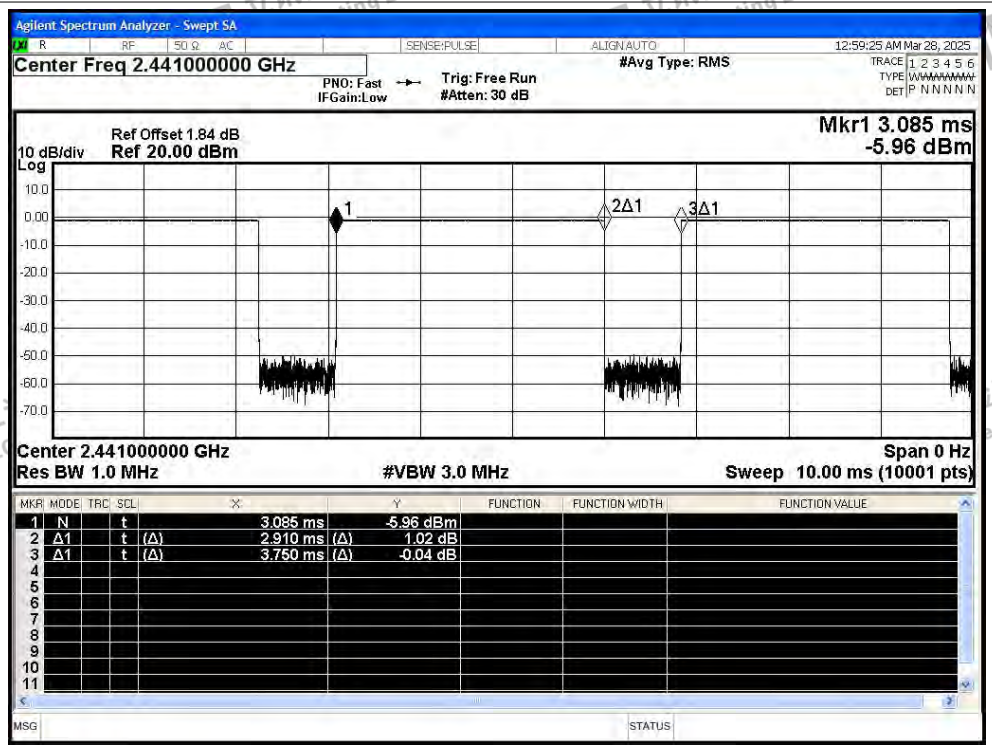
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.63	1.1	0.34
NVNT	2-DH5	2402	Ant1	77.33	1.12	0.34
NVNT	2-DH5	2441	Ant1	77.28	1.12	0.35
NVNT	2-DH5	2480	Ant1	77.33	1.12	0.34
NVNT	3-DH5	2402	Ant1	77.28	1.12	0.35
NVNT	3-DH5	2441	Ant1	77.23	1.12	0.35
NVNT	3-DH5	2480	Ant1	77.28	1.12	0.35

Test Graphs

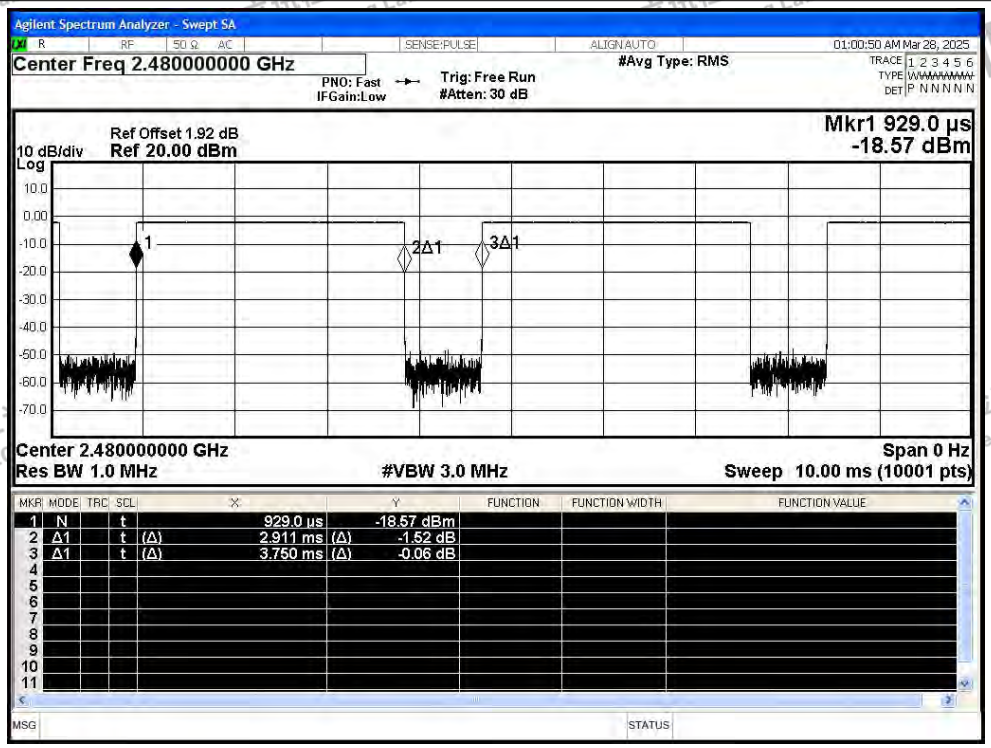
Duty Cycle NVNT 1-DH5 2402MHz Ant1



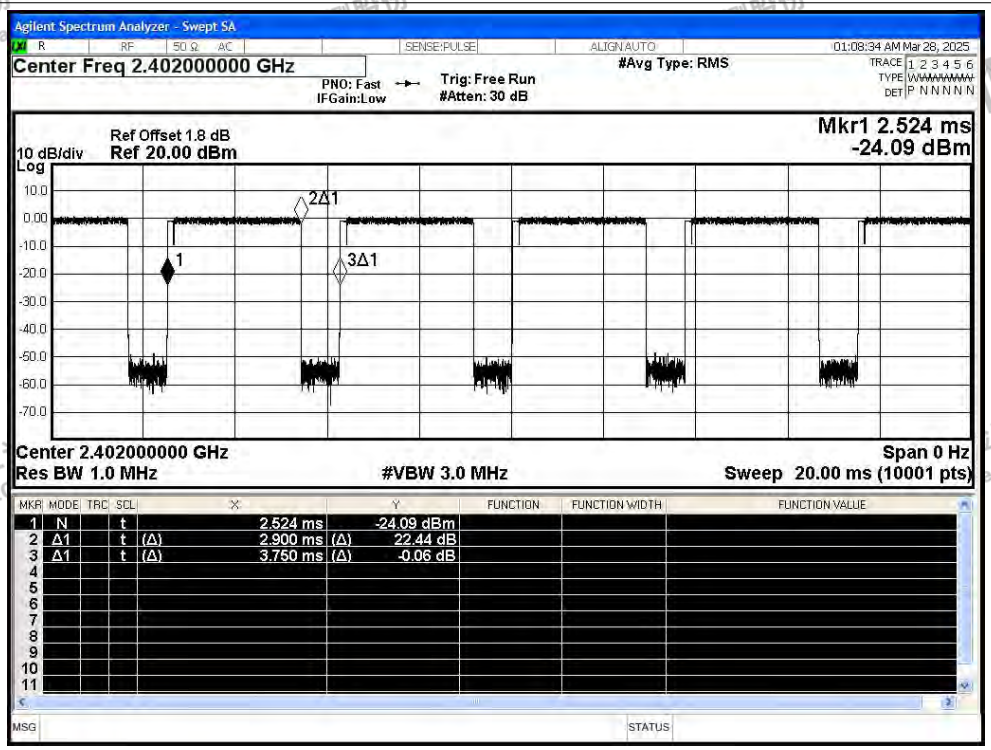
Duty Cycle NVNT 1-DH5 2441MHz Ant1



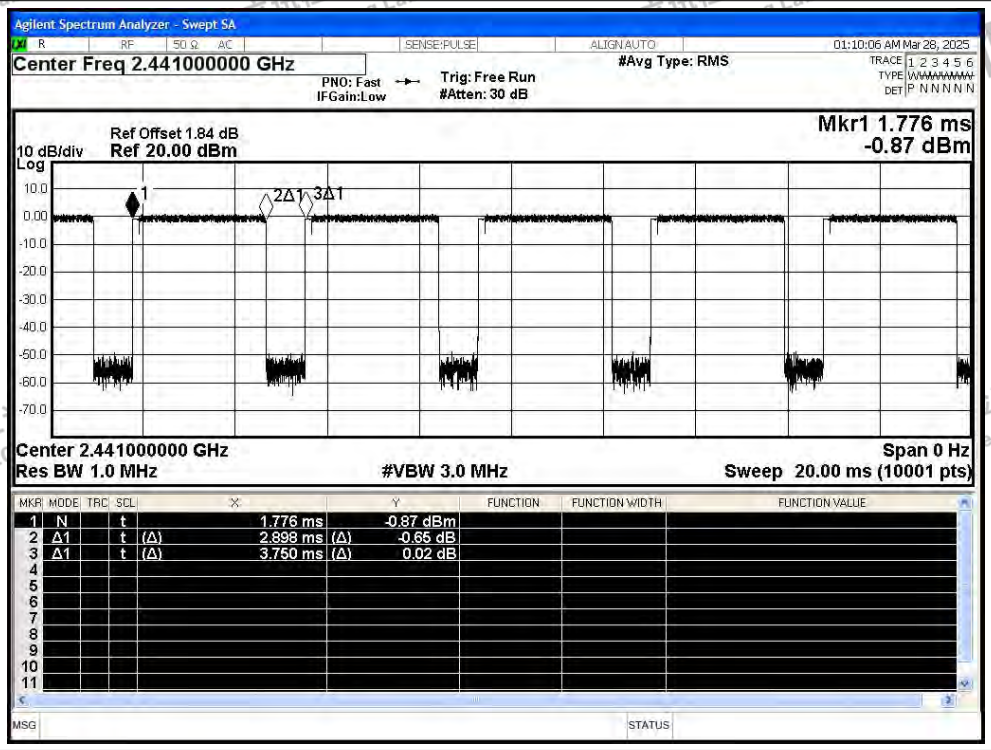
Duty Cycle NVNT 1-DH5 2480MHz Ant1



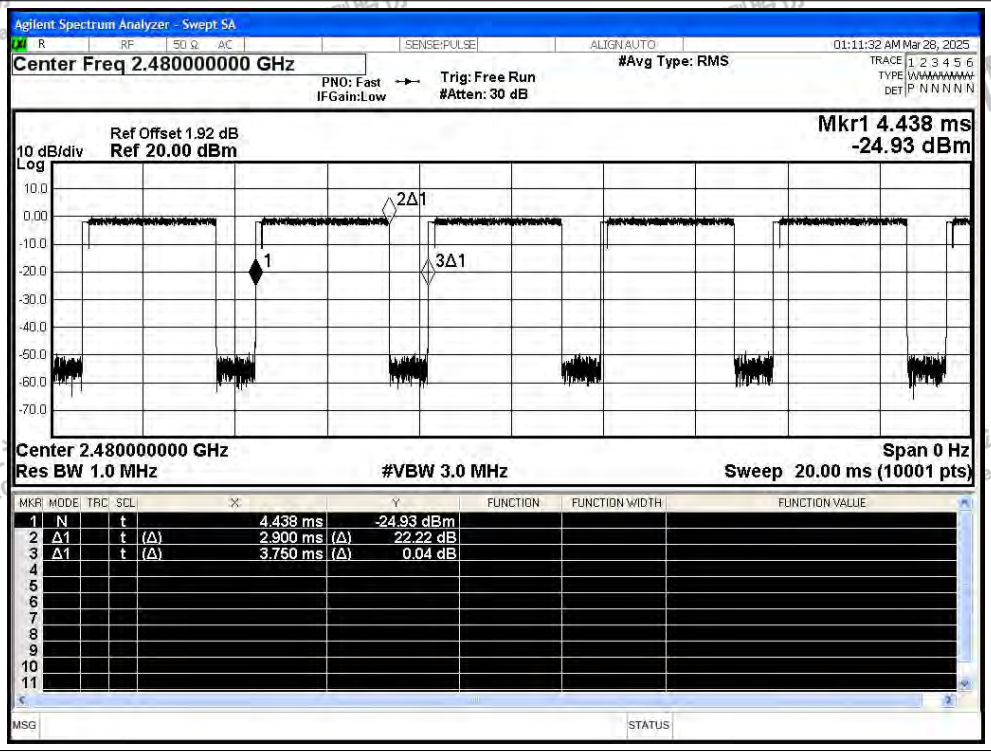
Duty Cycle NVNT 2-DH5 2402MHz Ant1



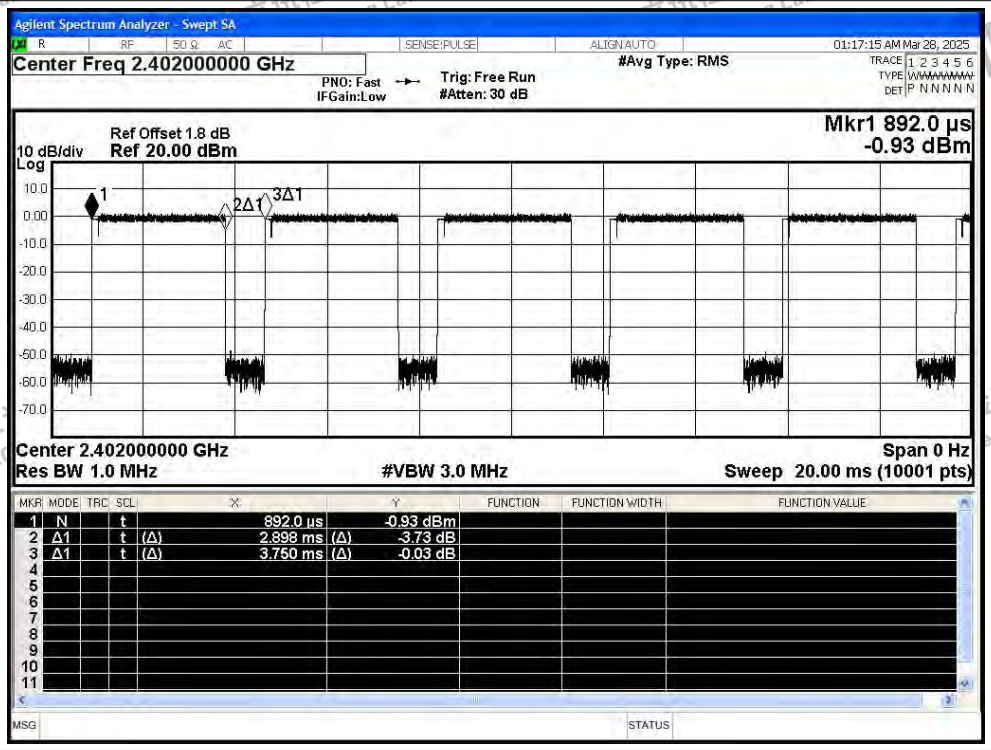
Duty Cycle NVNT 2-DH5 2441MHz Ant1



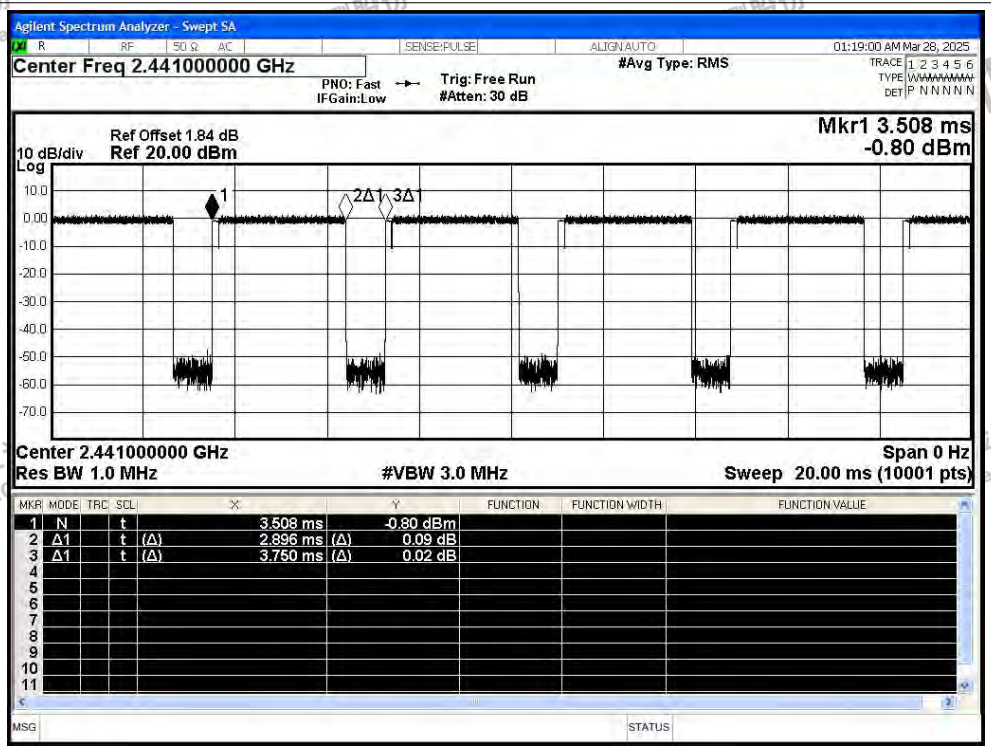
Duty Cycle NVNT 2-DH5 2480MHz Ant1



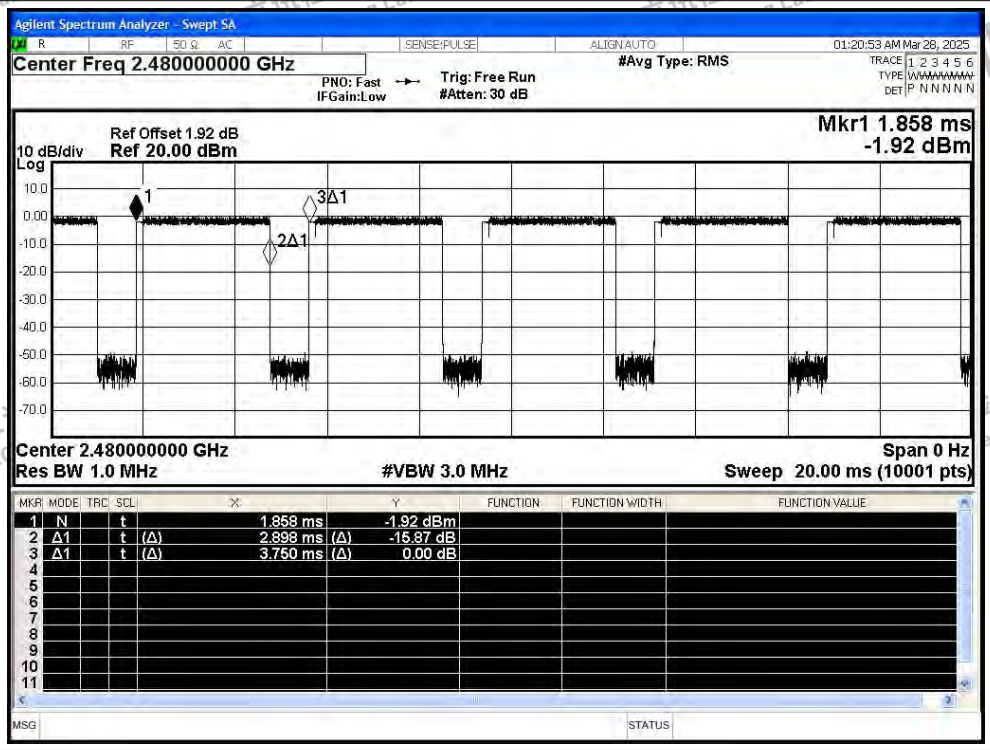
Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1



Duty Cycle NVNT 3-DH5 2480MHz Ant1

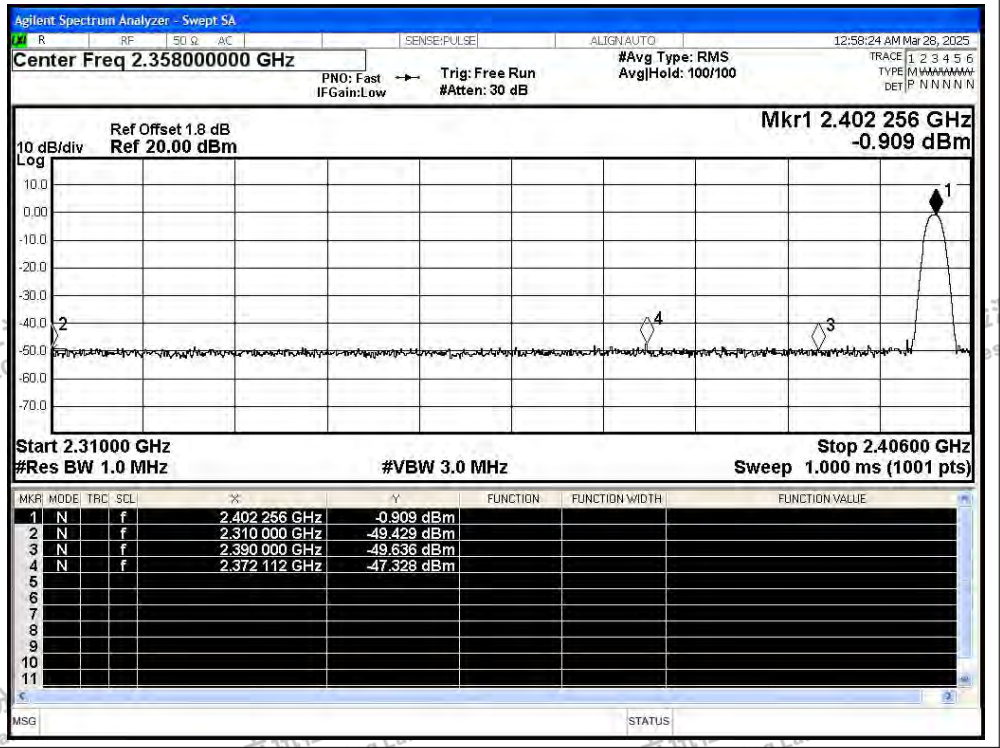


A.9 Restrict Band

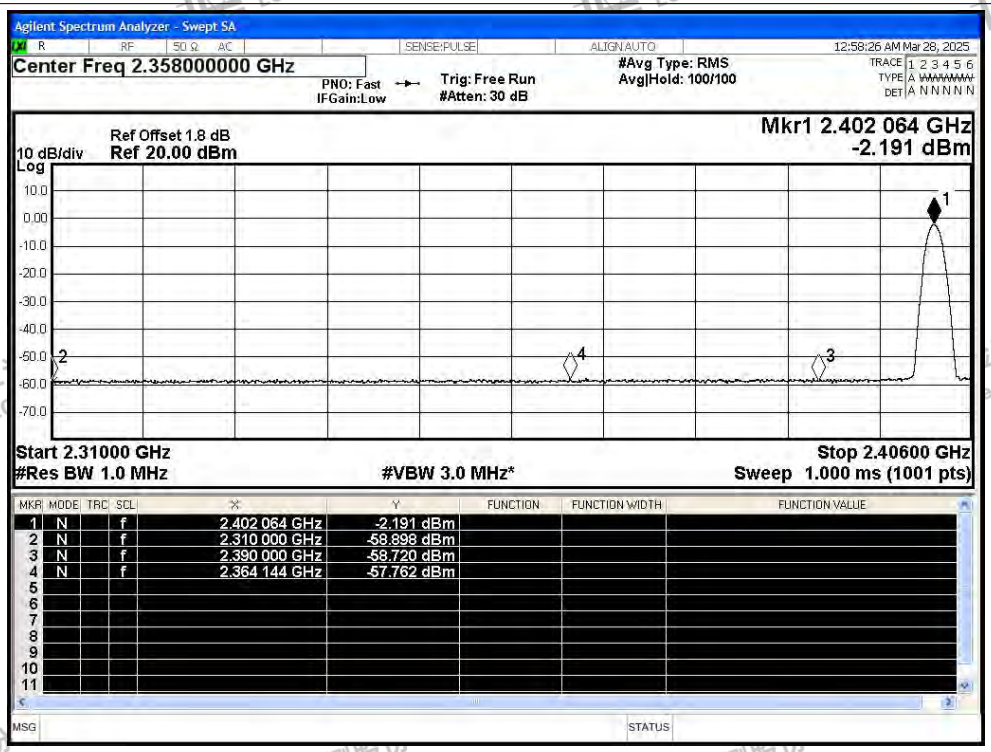
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.43	2	-	47.83	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.9	2	1.1	39.46	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2372.112	-47.33	2	-	49.93	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2364.144	-57.76	2	1.1	40.6	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.64	2	-	47.62	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.72	2	1.1	39.64	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.36	2	-	46.9	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.98	2	1.1	40.38	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2496.208	-47.09	2	-	50.17	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2487.616	-57.37	2	1.1	40.99	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.52	2	-	48.74	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.88	2	1.1	40.48	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.69	2	-	45.57	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.45	2	1.12	38.93	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2371.44	-46.86	2	-	50.4	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2374.896	-57.84	2	1.12	40.54	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.13	2	-	46.13	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.59	2	1.12	39.79	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-49.55	2	-	47.71	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.54	2	1.12	40.84	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.536	-45.19	2	-	52.07	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2493.328	-57.38	2	1.12	41	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.55	2	-	46.71	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.3	2	1.12	40.08	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.79	2	-	46.47	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.62	2	1.12	39.76	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2370.192	-47.9	2	-	49.36	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2376.72	-57.76	2	1.12	40.62	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.19	2	-	46.07	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.85	2	1.12	39.53	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.57	2	-	47.69	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-56.98	2	1.12	41.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.608	-44.95	2	-	52.31	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-56.98	2	1.12	41.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.69	2	-	46.57	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.2	2	1.12	40.18	Average	54	Pass

Test Graphs

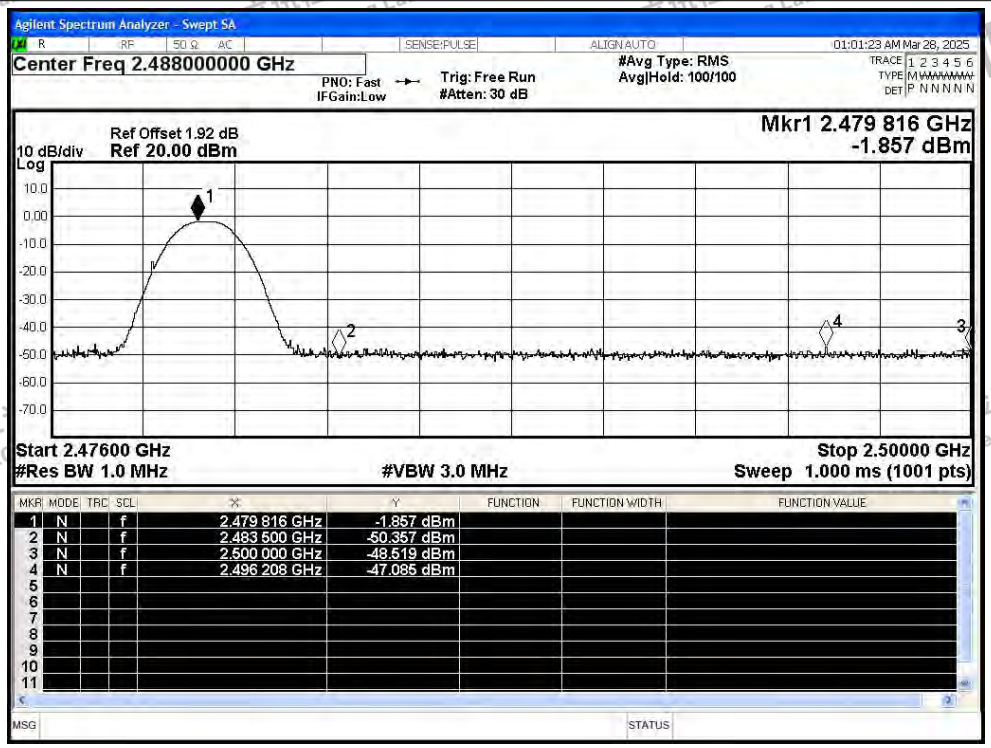
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



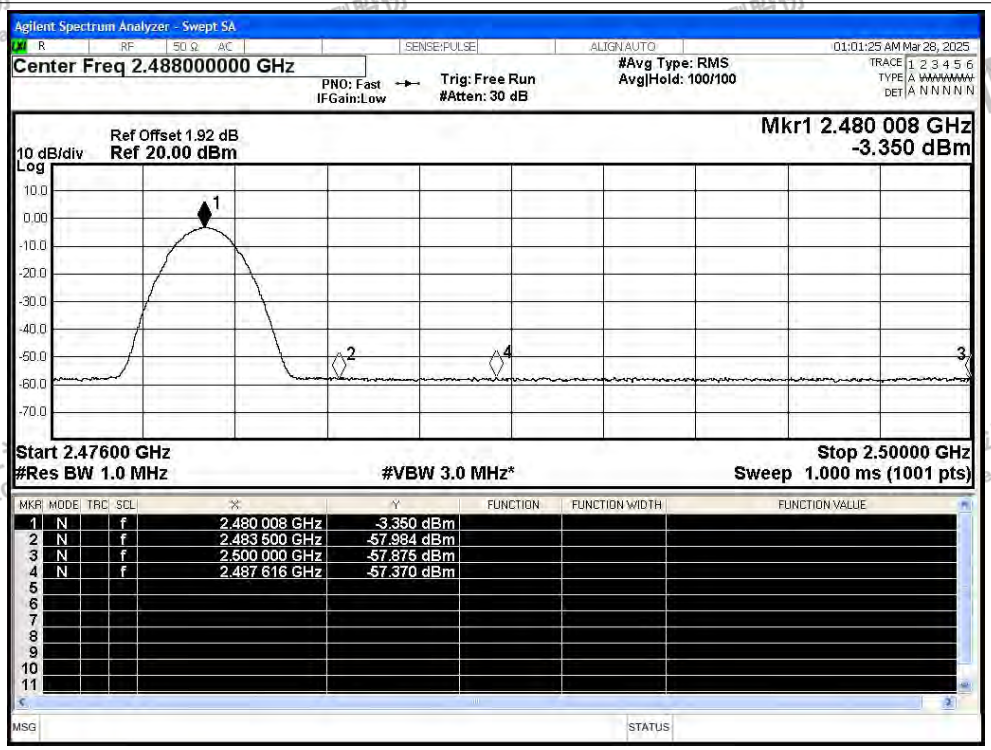
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



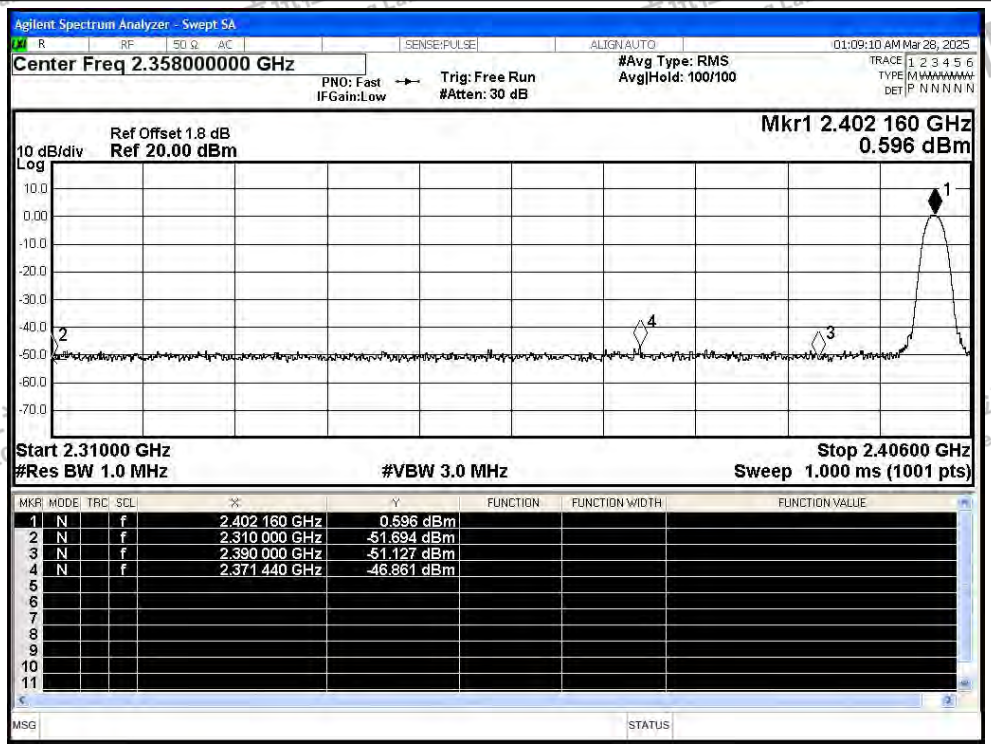
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



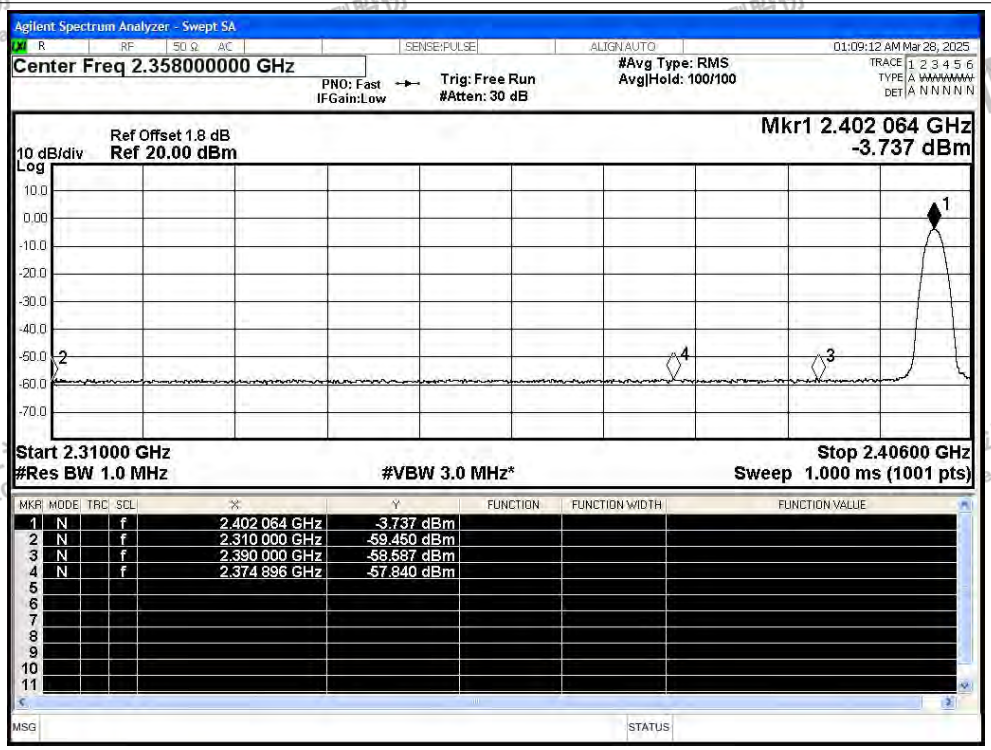
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



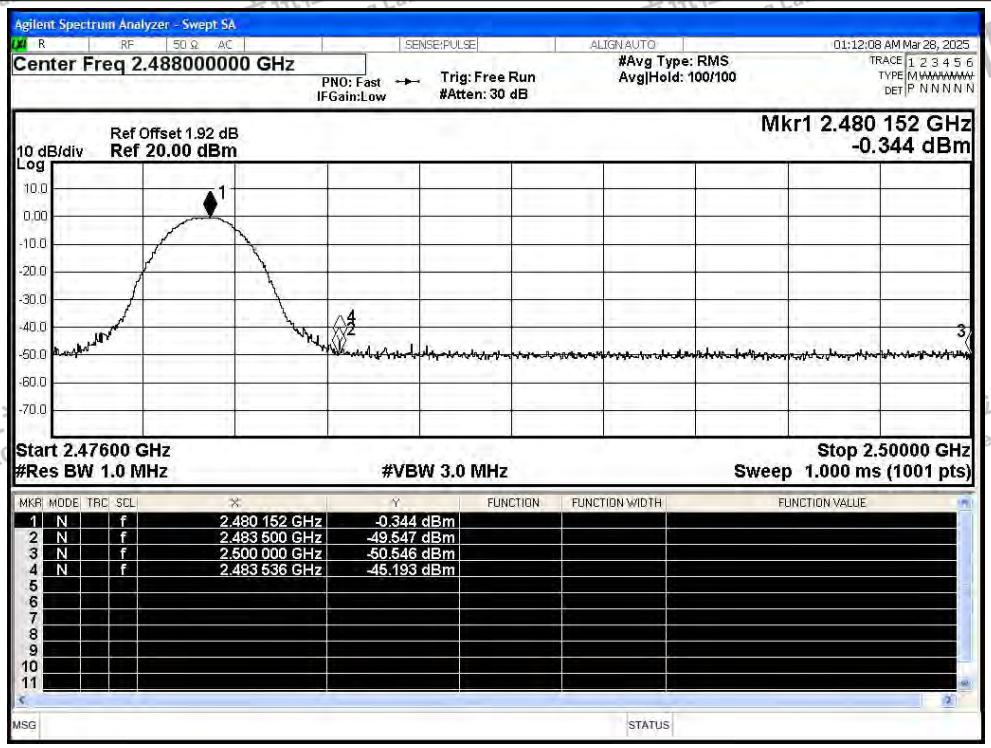
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



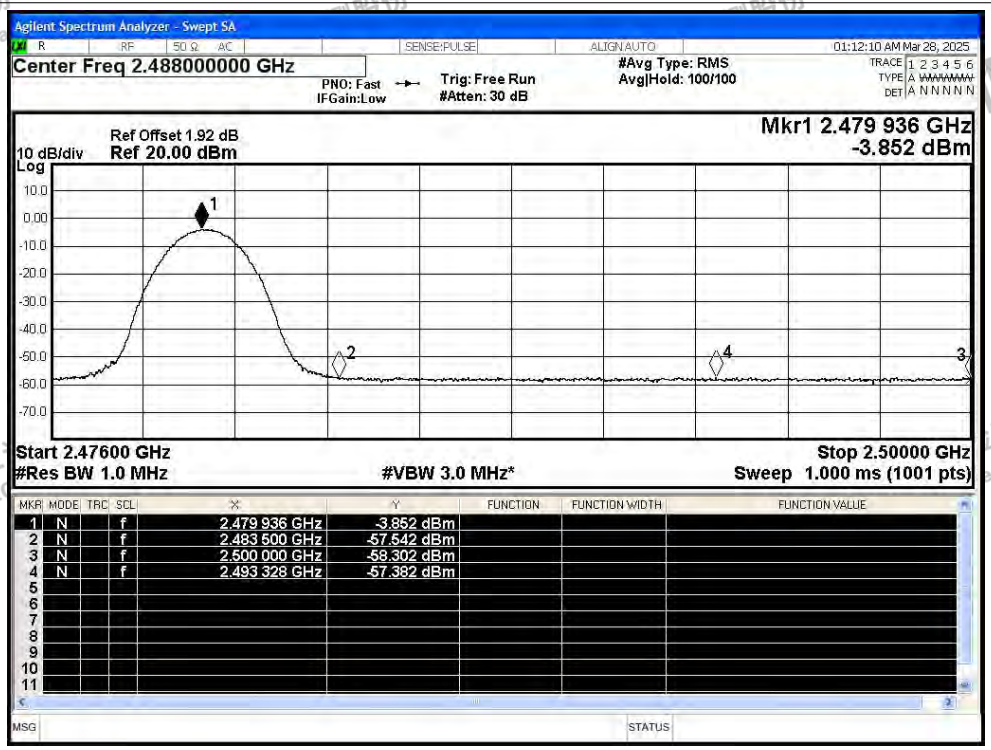
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



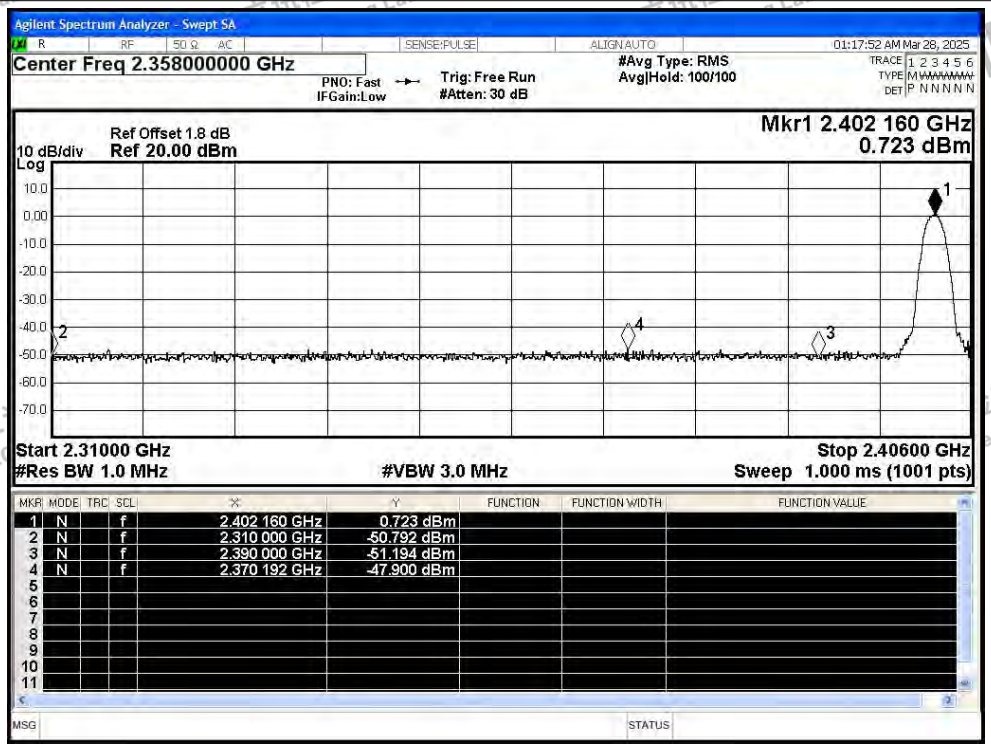
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



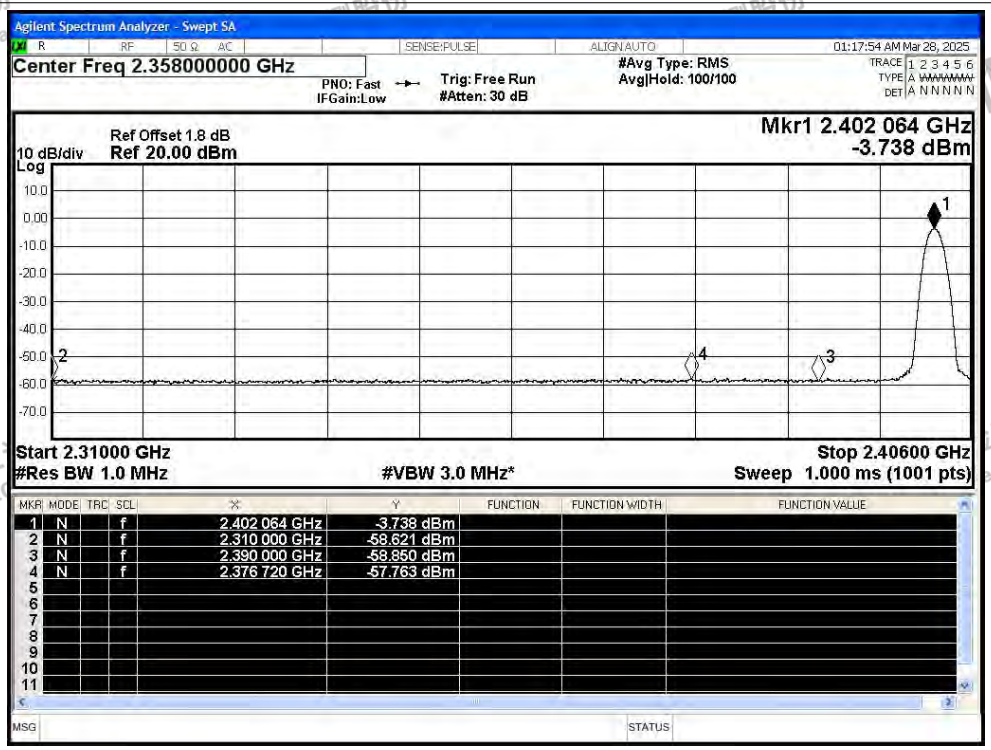
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



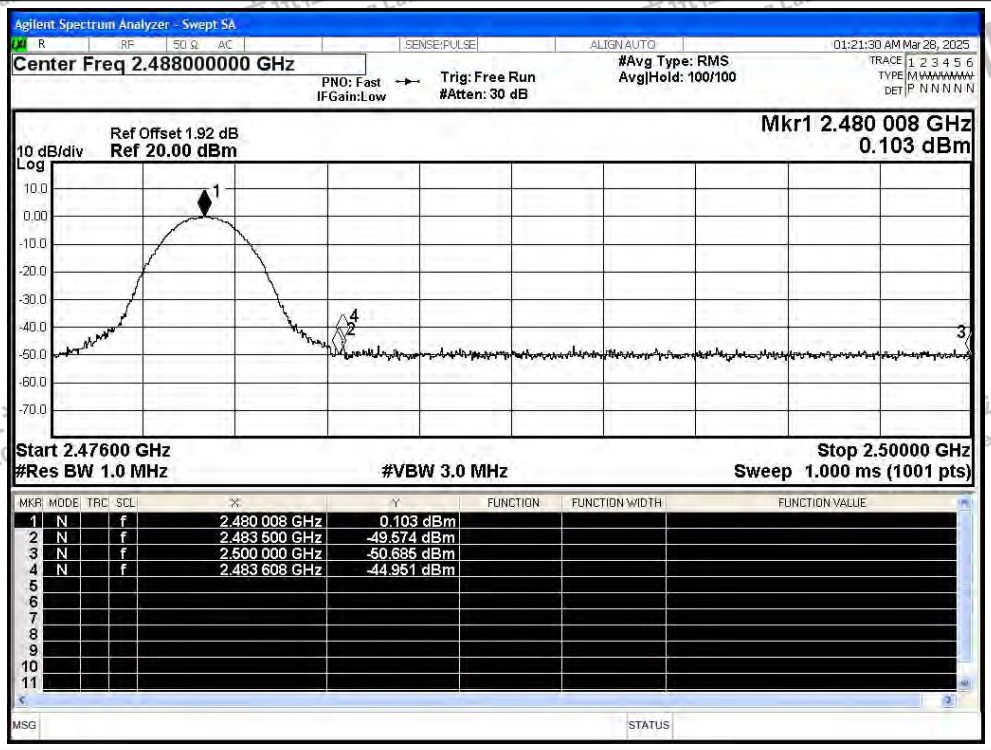
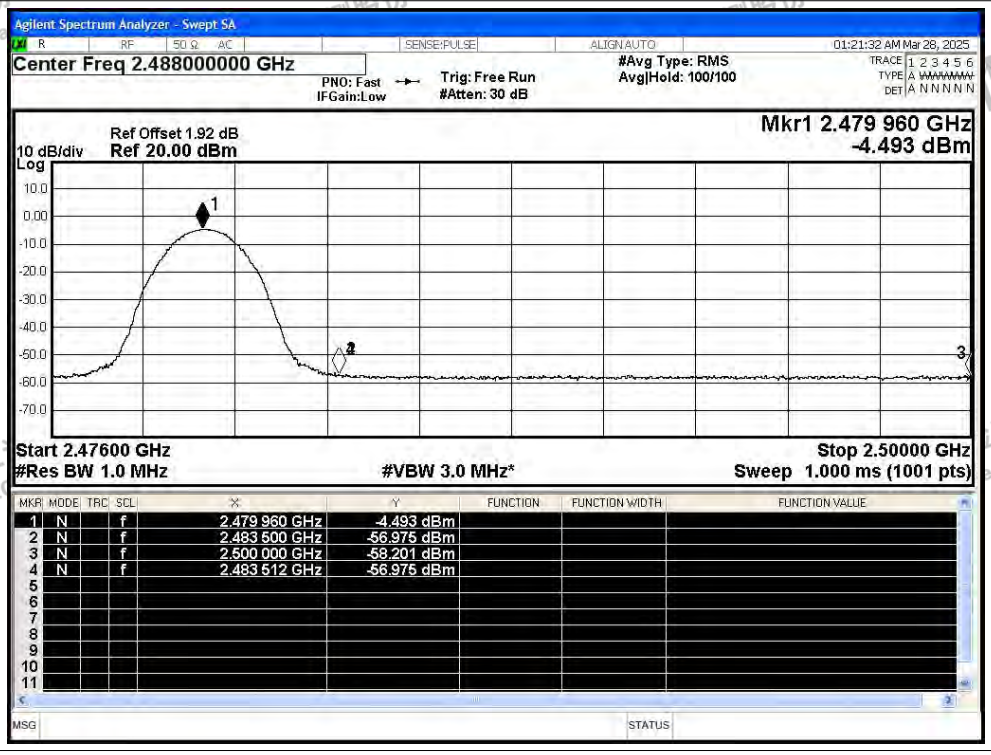
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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