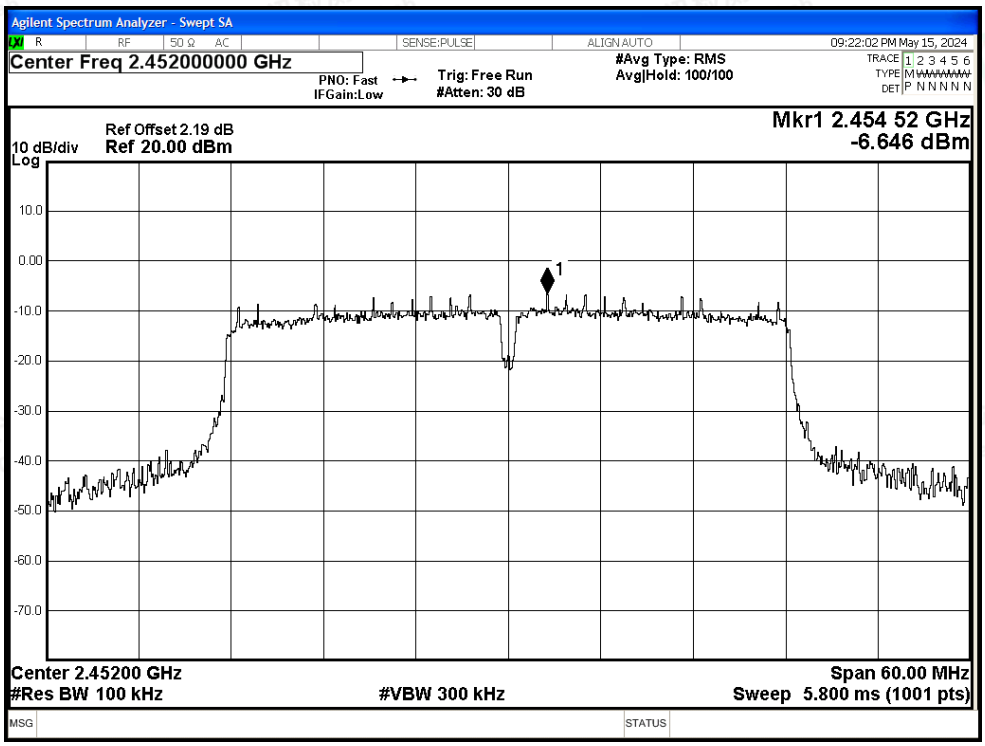
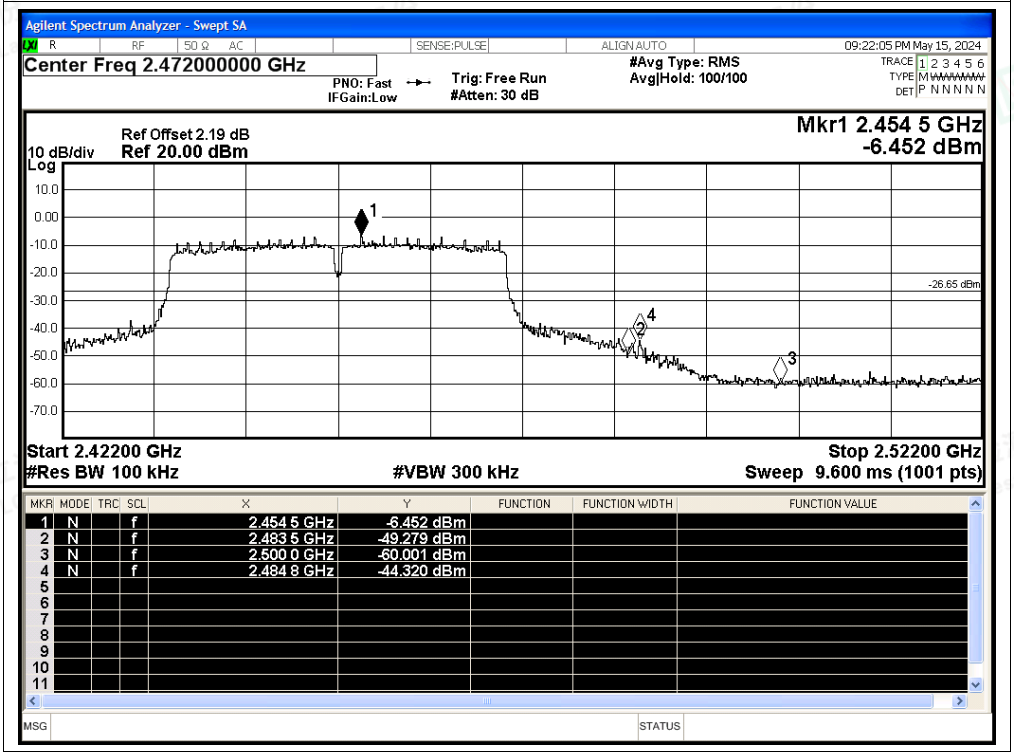
Band Edge NVNT n40 2452MHz Ant1 Ref



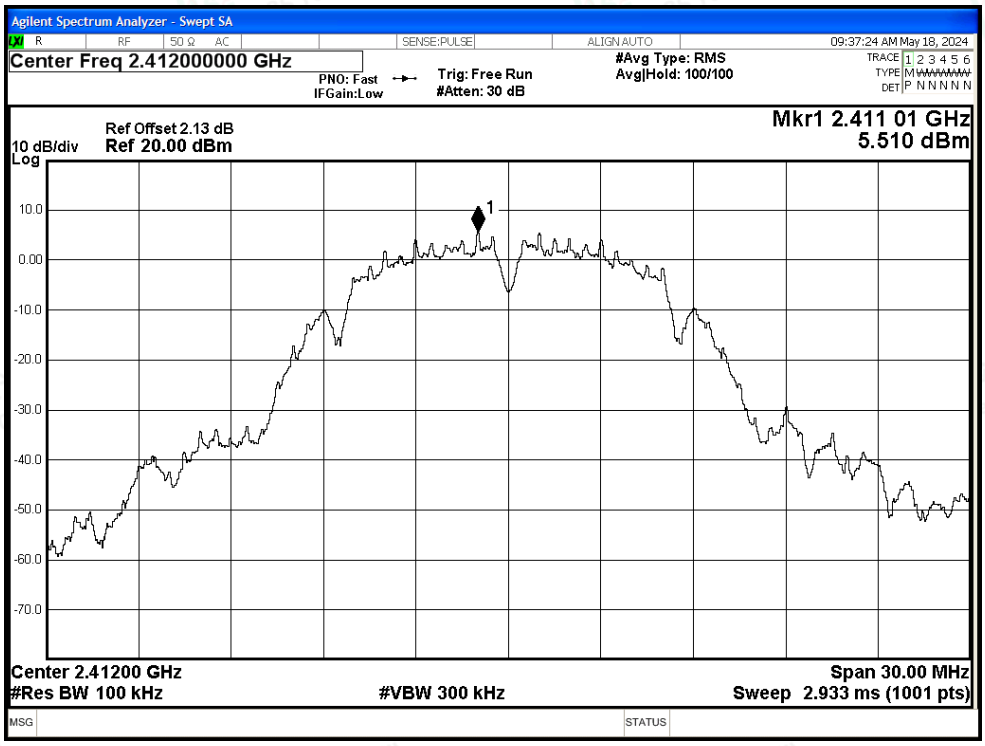
Band Edge NVNT n40 2452MHz Ant1 Emission



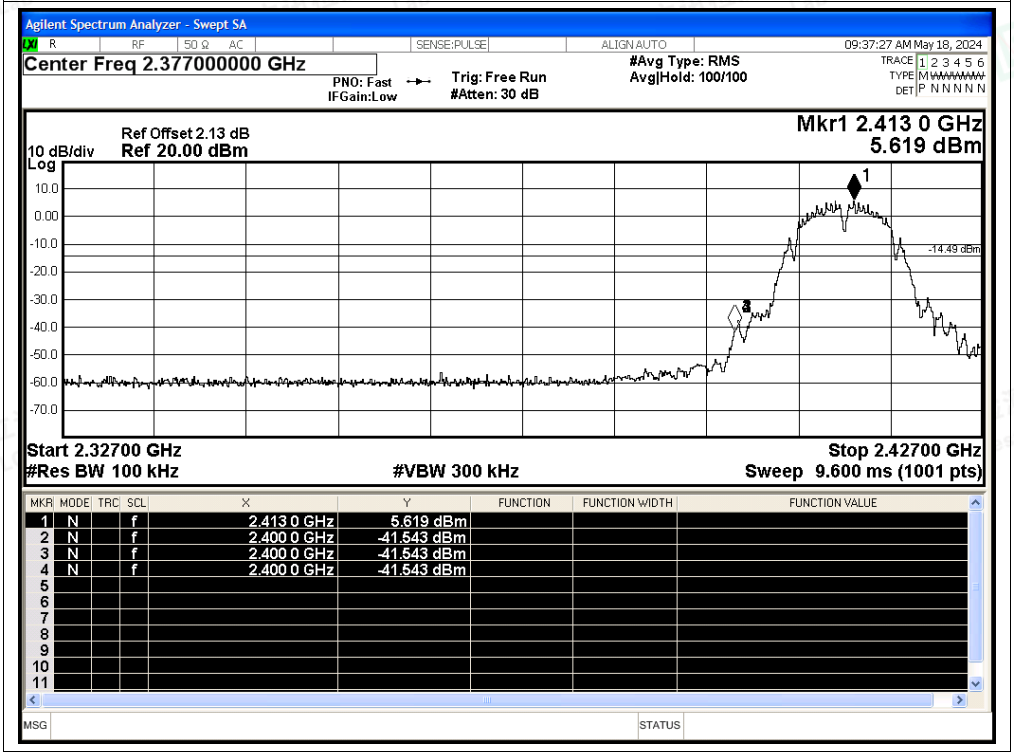
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant2	-47.05	-20	Pass
NVNT	b	2462	Ant2	-60.53	-20	Pass
NVNT	g	2412	Ant2	-33.59	-20	Pass
NVNT	g	2462	Ant2	-41.99	-20	Pass
NVNT	n20	2412	Ant2	-31.22	-20	Pass
NVNT	n20	2462	Ant2	-38.86	-20	Pass
NVNT	n40	2422	Ant2	-36.41	-20	Pass
NVNT	n40	2452	Ant2	-35.29	-20	Pass

Test Graphs

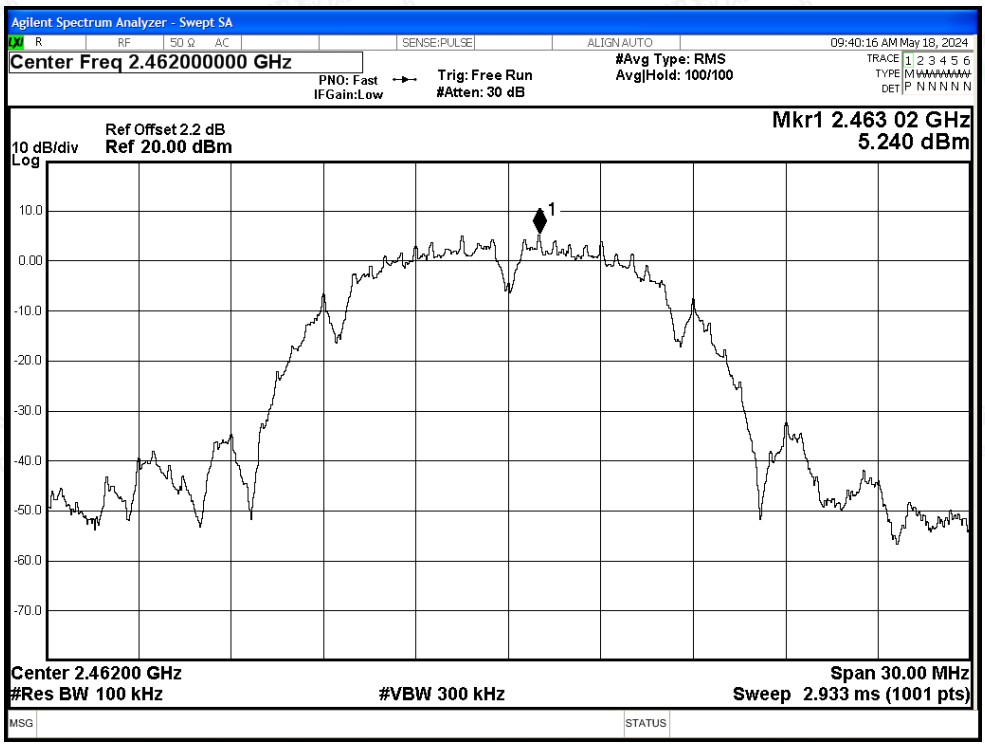
Band Edge NVNT b 2412MHz Ant2 Ref



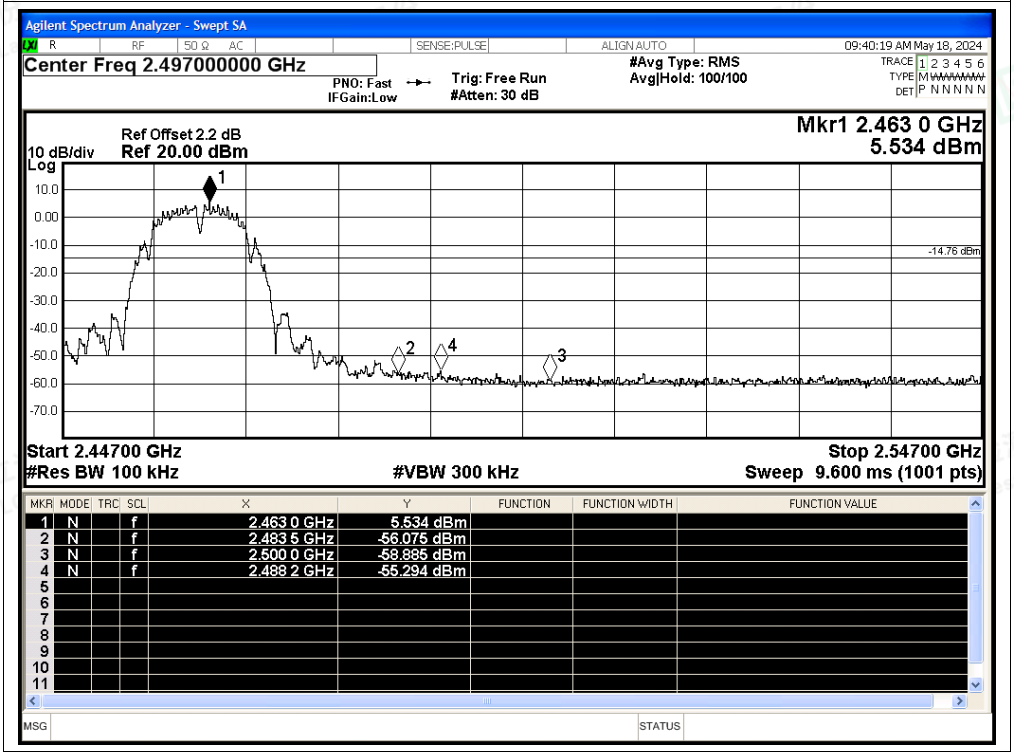
Band Edge NVNT b 2412MHz Ant2 Emission



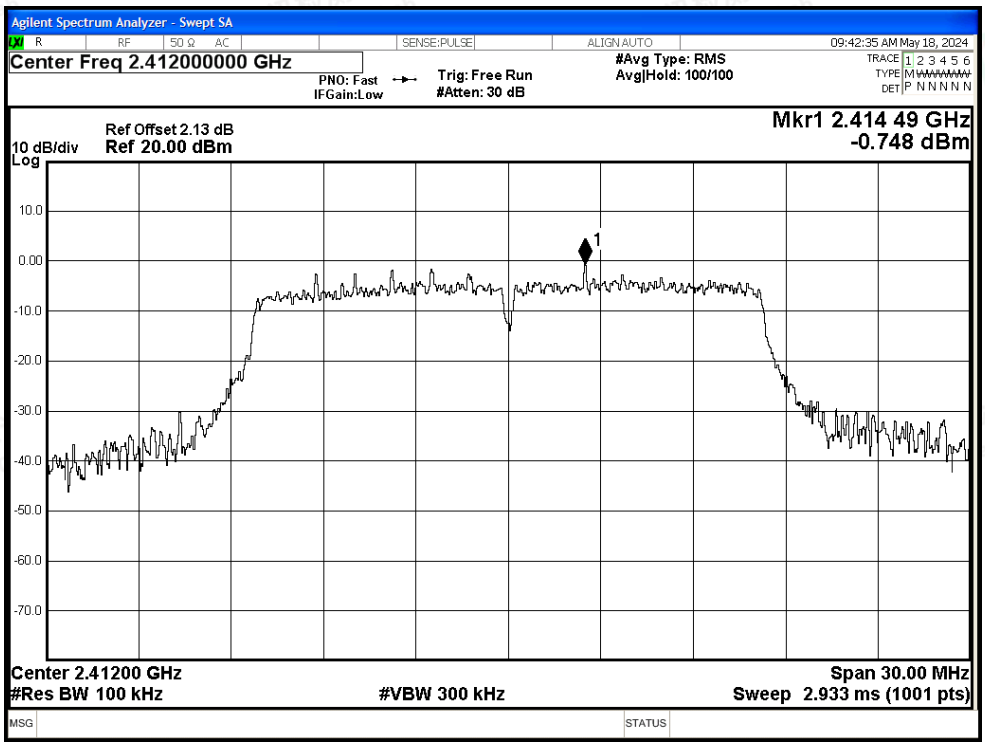
Band Edge NVNT b 2462MHz Ant2 Ref



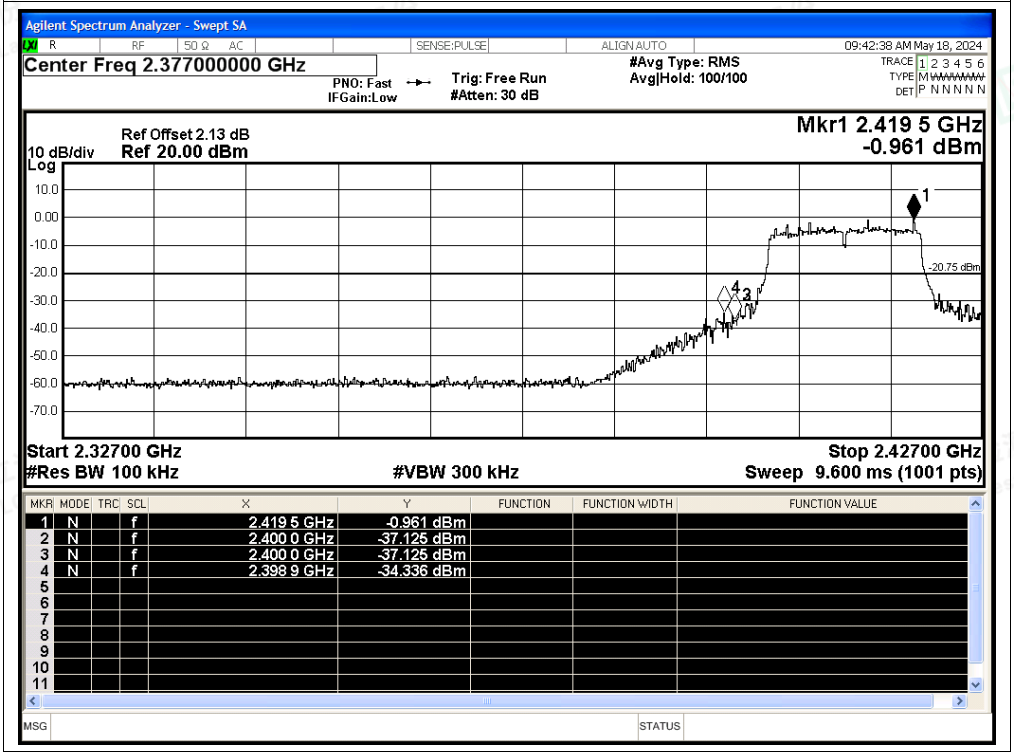
Band Edge NVNT b 2462MHz Ant2 Emission



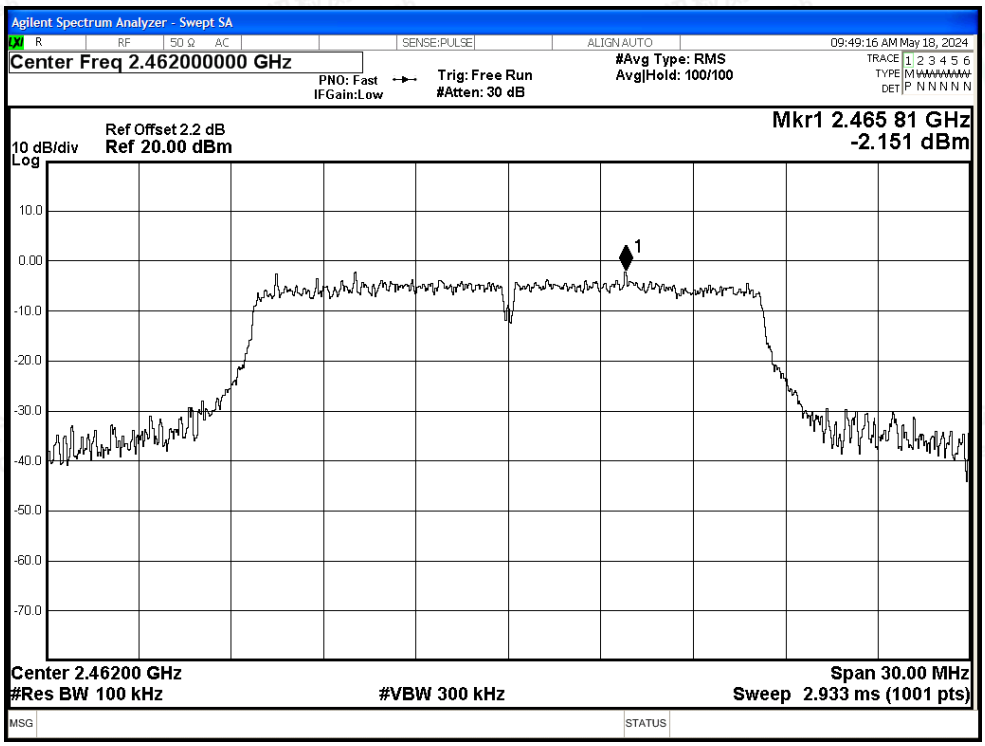
Band Edge NVNT g 2412MHz Ant2 Ref



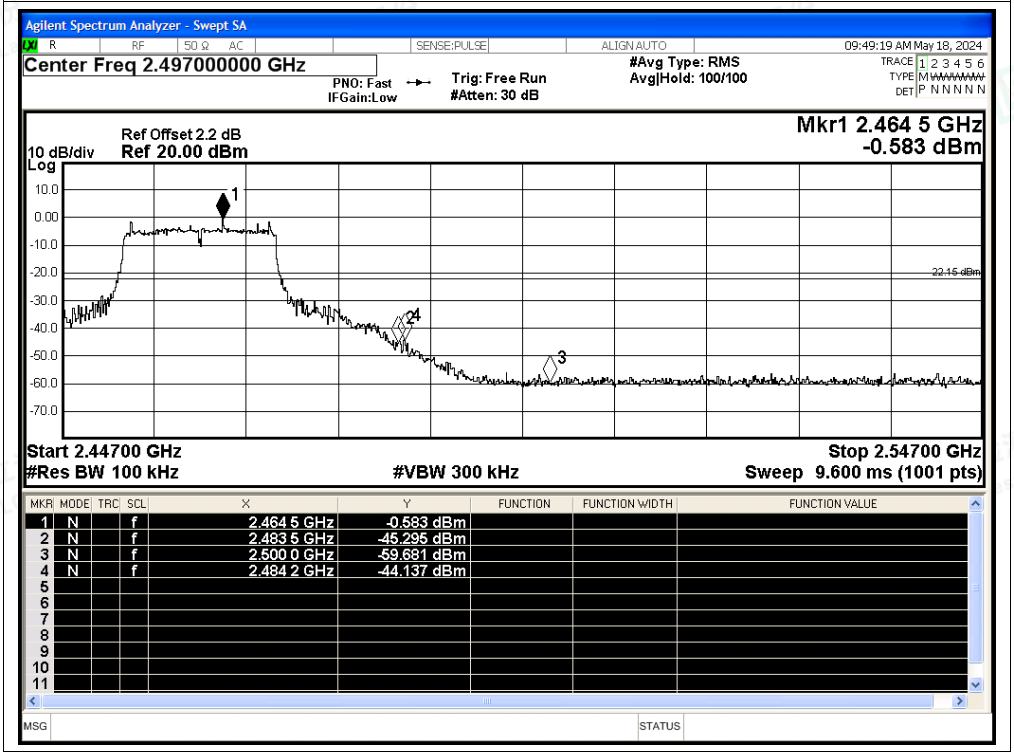
Band Edge NVNT g 2412MHz Ant2 Emission



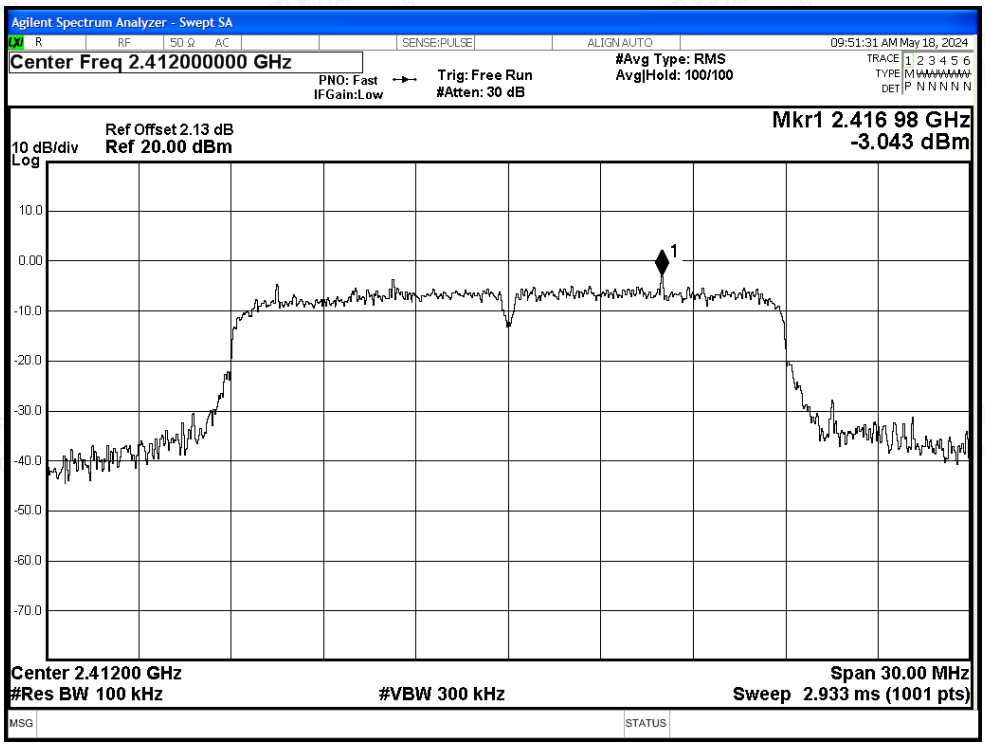
Band Edge NVNT g 2462MHz Ant2 Ref



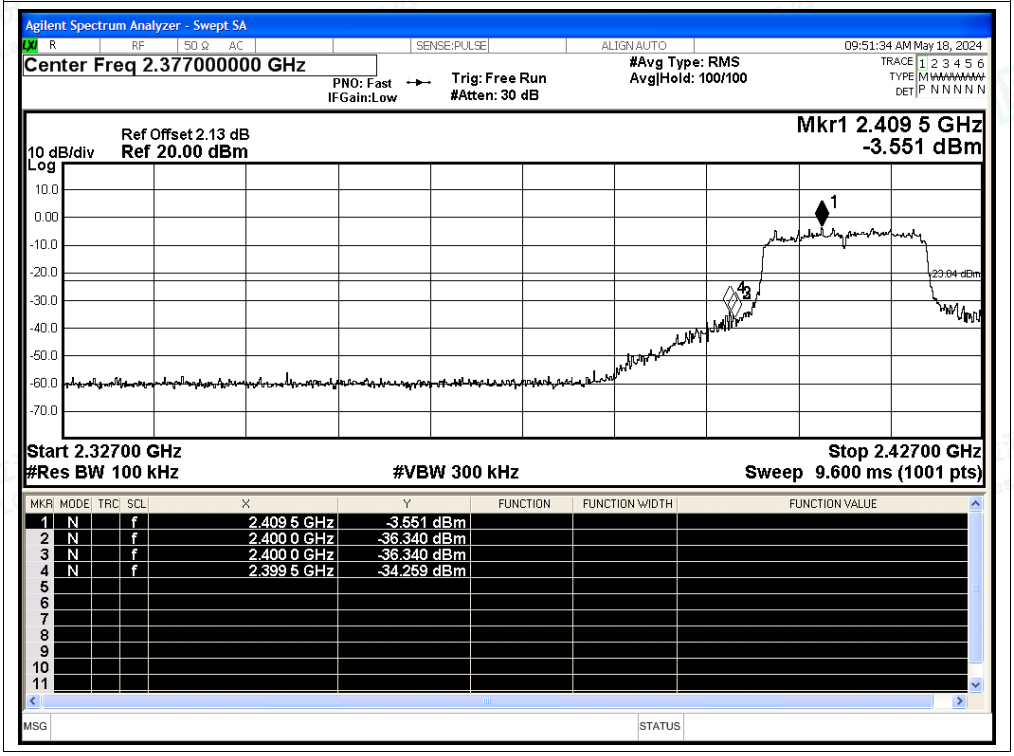
Band Edge NVNT g 2462MHz Ant2 Emission



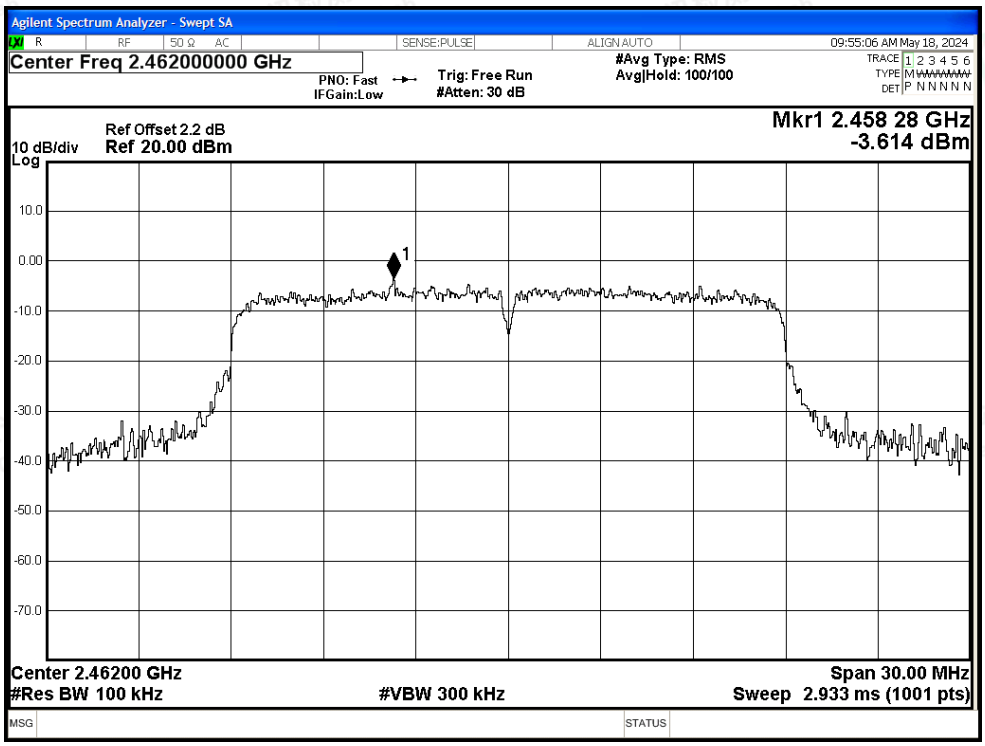
Band Edge NVNT n20 2412MHz Ant2 Ref



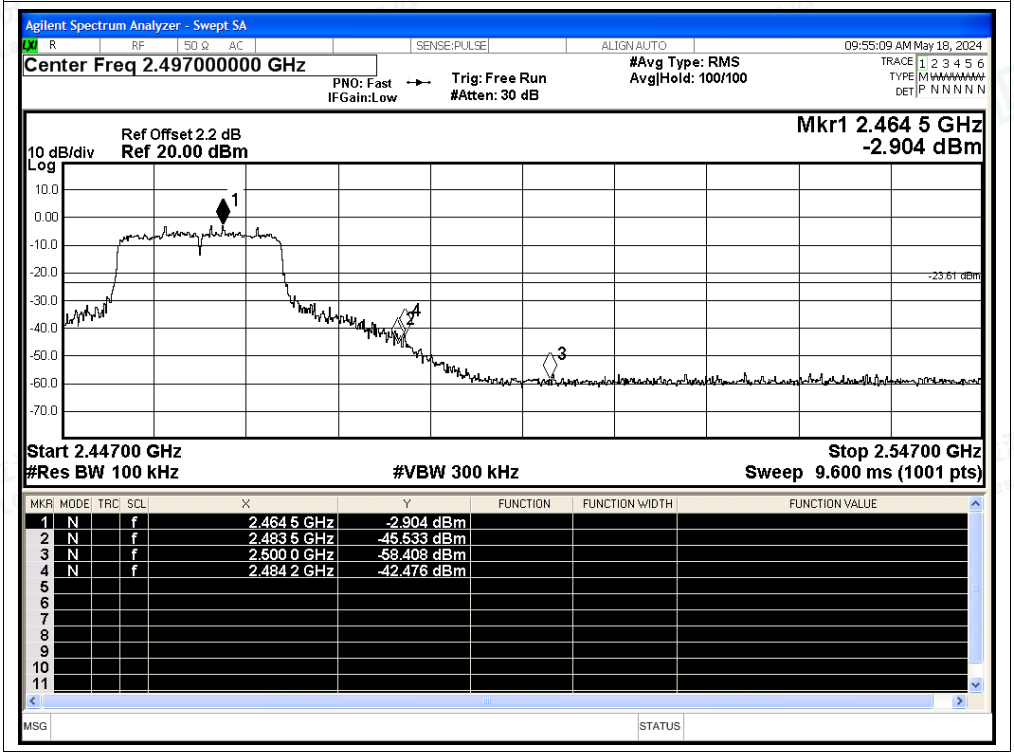
Band Edge NVNT n20 2412MHz Ant2 Emission



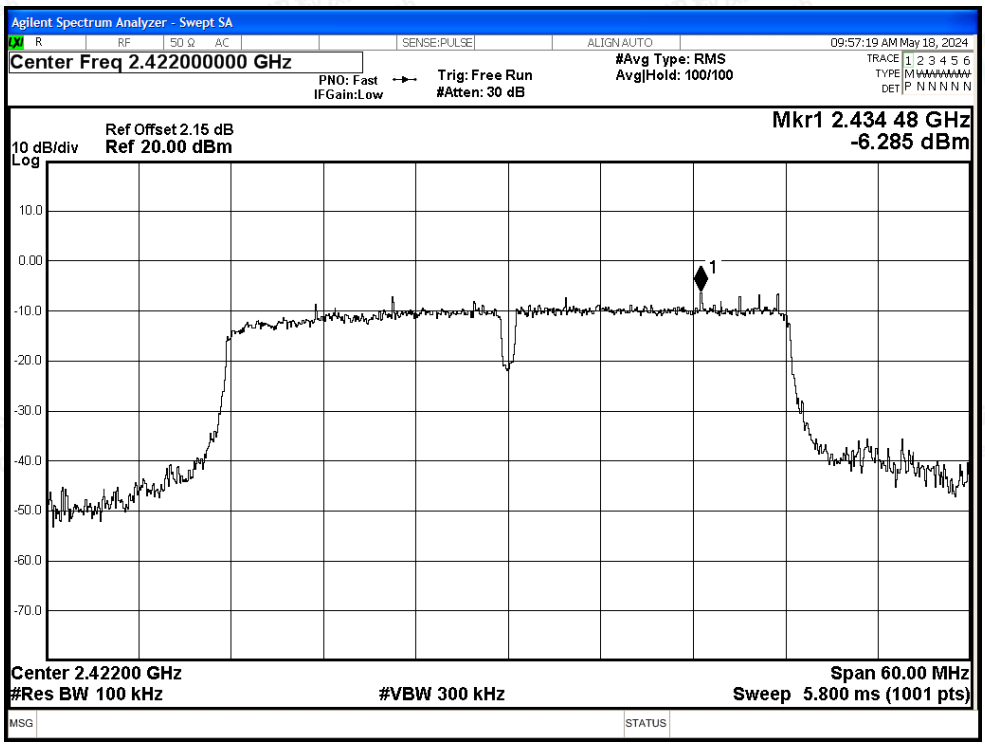
Band Edge NVNT n20 2462MHz Ant2 Ref



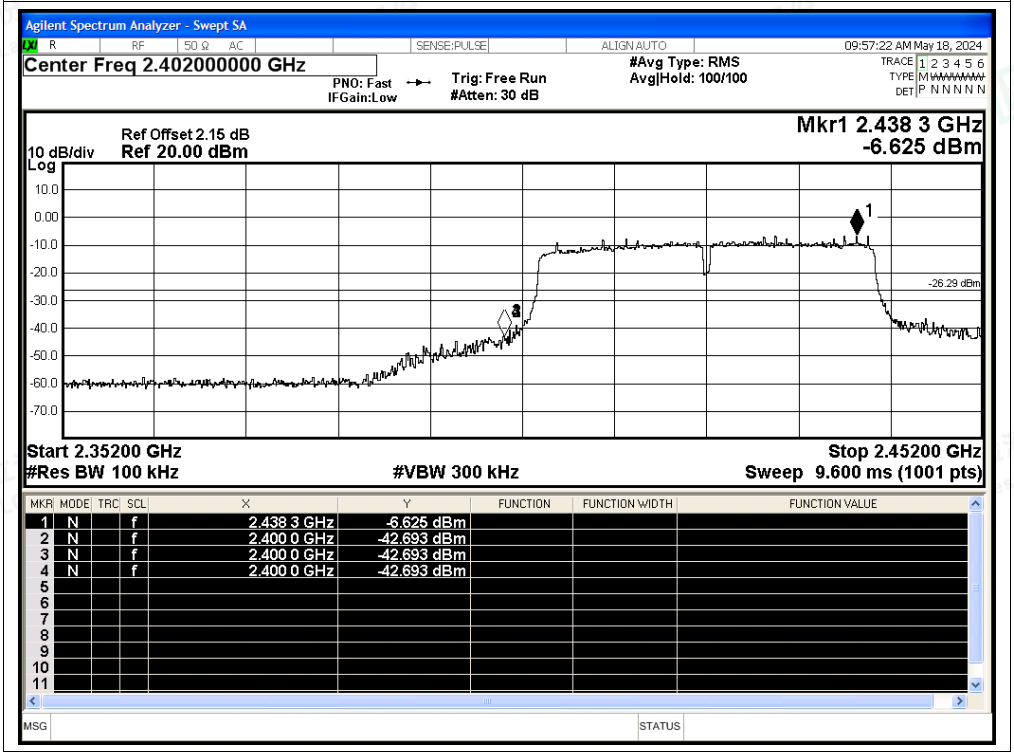
Band Edge NVNT n20 2462MHz Ant2 Emission



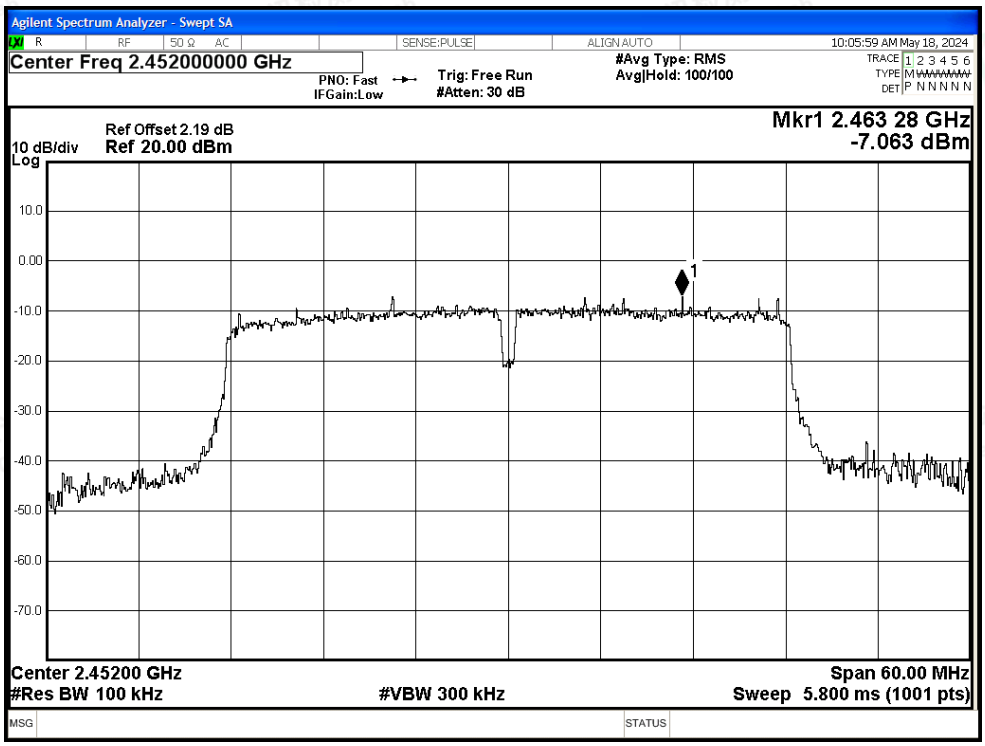
Band Edge NVNT n40 2422MHz Ant2 Ref



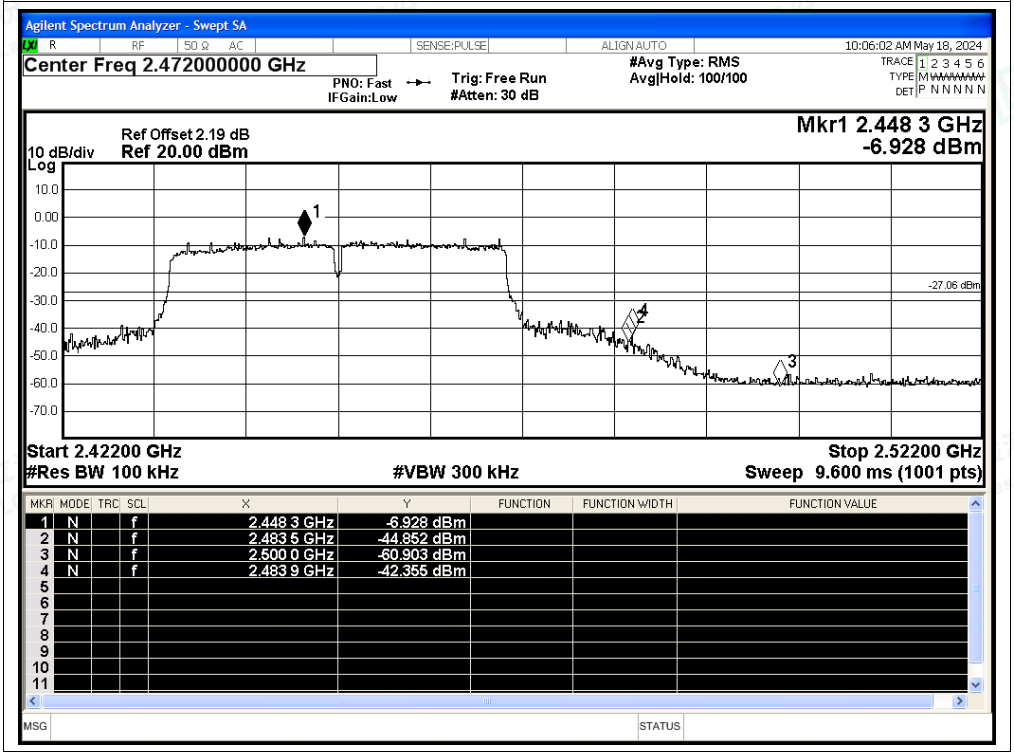
Band Edge NVNT n40 2422MHz Ant2 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

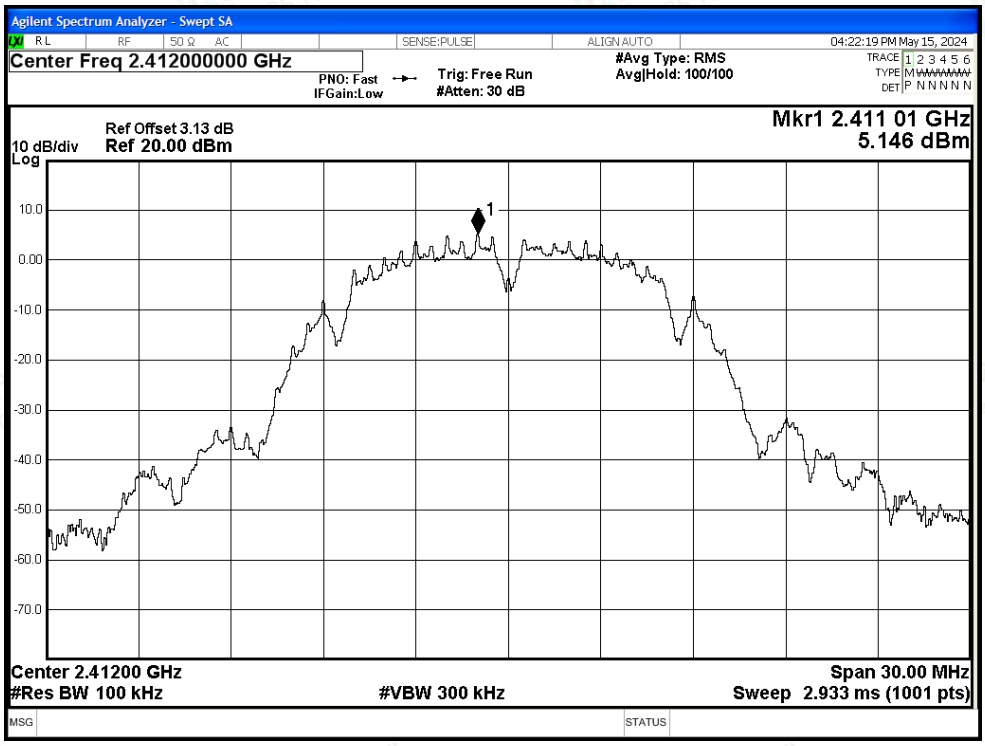


C.5 Conducted RF Spurious Emission

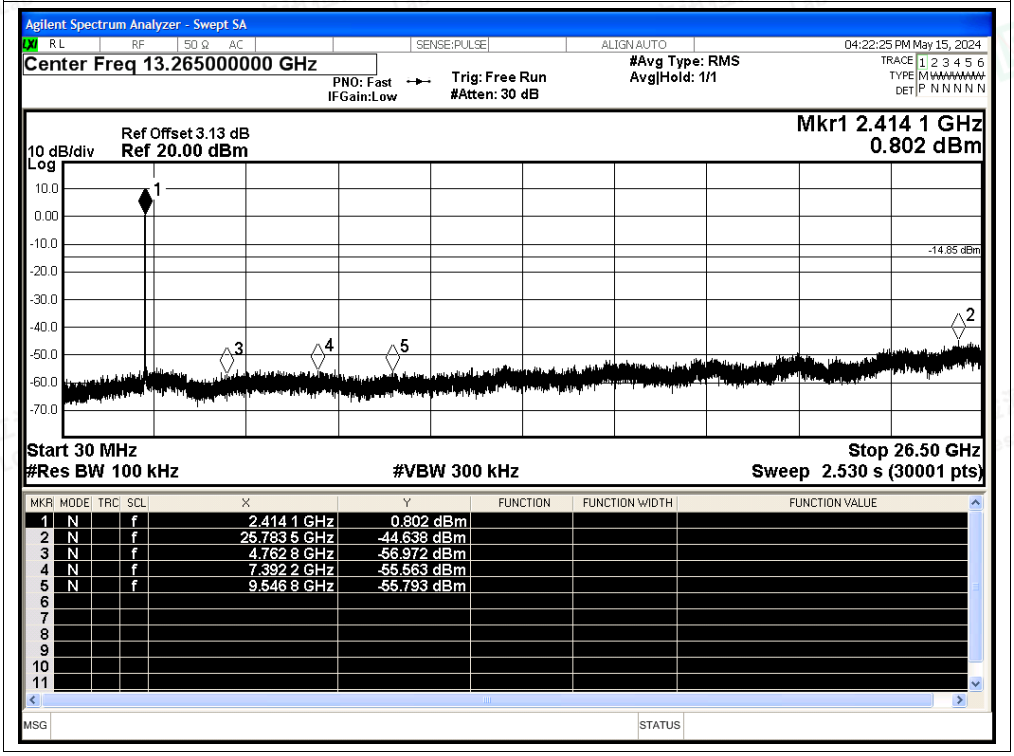
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.78	-20	Pass
NVNT	b	2437	Ant1	-50.67	-20	Pass
NVNT	b	2462	Ant1	-49.7	-20	Pass
NVNT	g	2412	Ant1	-42.87	-20	Pass
NVNT	g	2437	Ant1	-44.18	-20	Pass
NVNT	g	2462	Ant1	-43.74	-20	Pass
NVNT	n20	2412	Ant1	-41.01	-20	Pass
NVNT	n20	2437	Ant1	-41.87	-20	Pass
NVNT	n20	2462	Ant1	-42.55	-20	Pass
NVNT	n40	2422	Ant1	-40.59	-20	Pass
NVNT	n40	2437	Ant1	-39.84	-20	Pass
NVNT	n40	2452	Ant1	-38.46	-20	Pass

Test Graphs

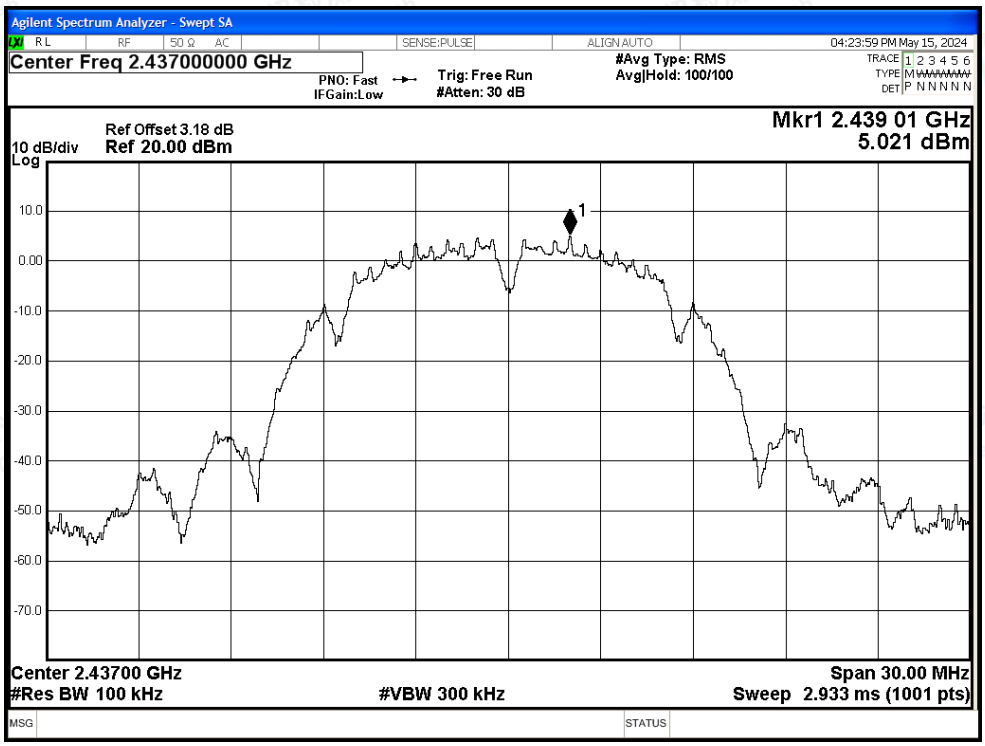
Tx. Spurious NVNT b 2412MHz Ant1 Ref



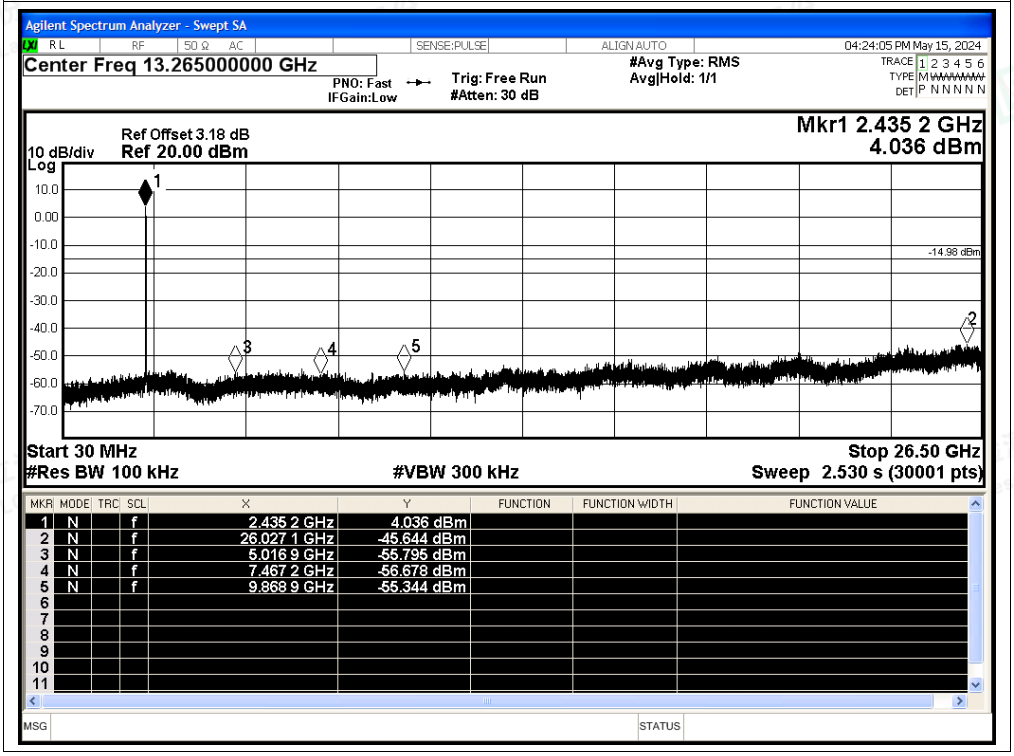
Tx. Spurious NVNT b 2412MHz Ant1 Emission



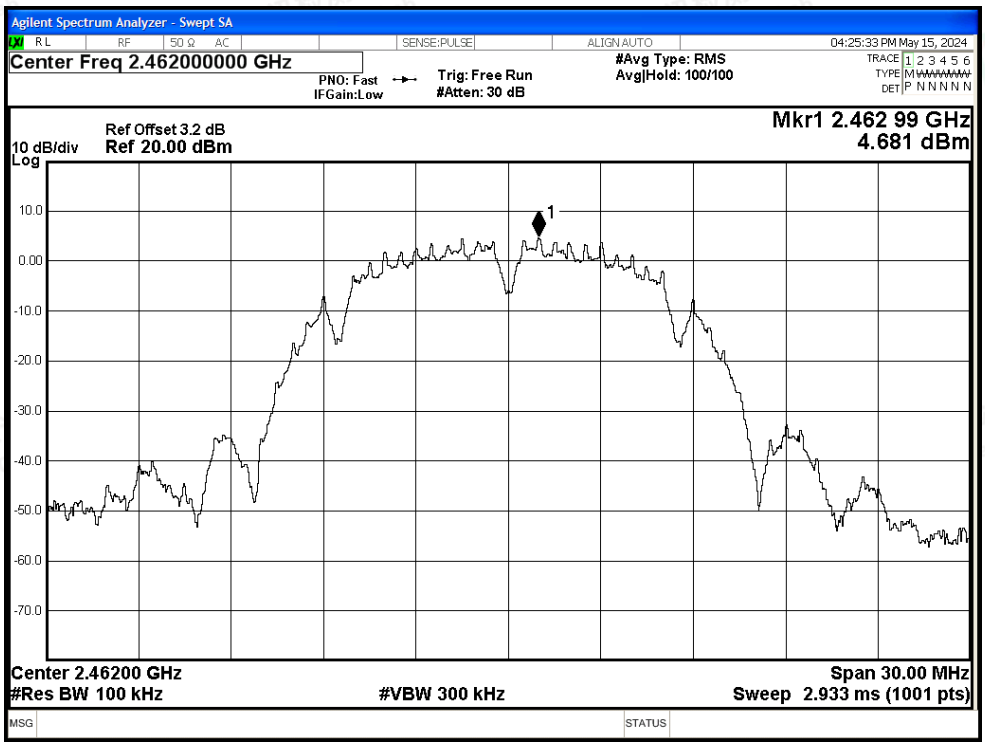
Tx. Spurious NVNT b 2437MHz Ant1 Ref



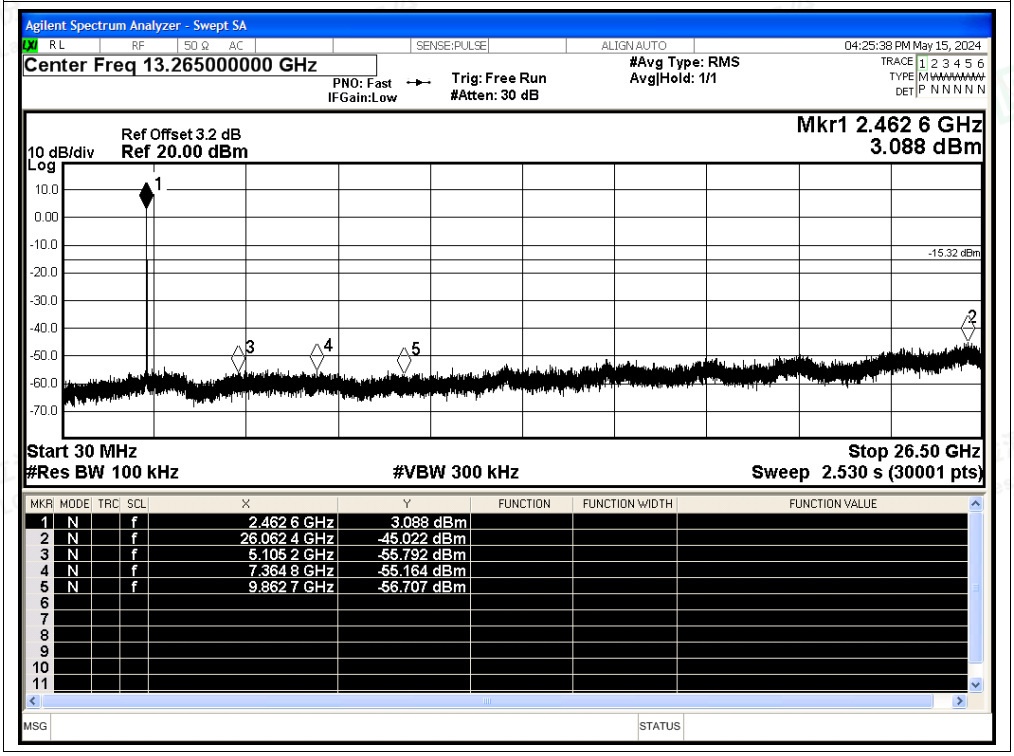
Tx. Spurious NVNT b 2437MHz Ant1 Emission



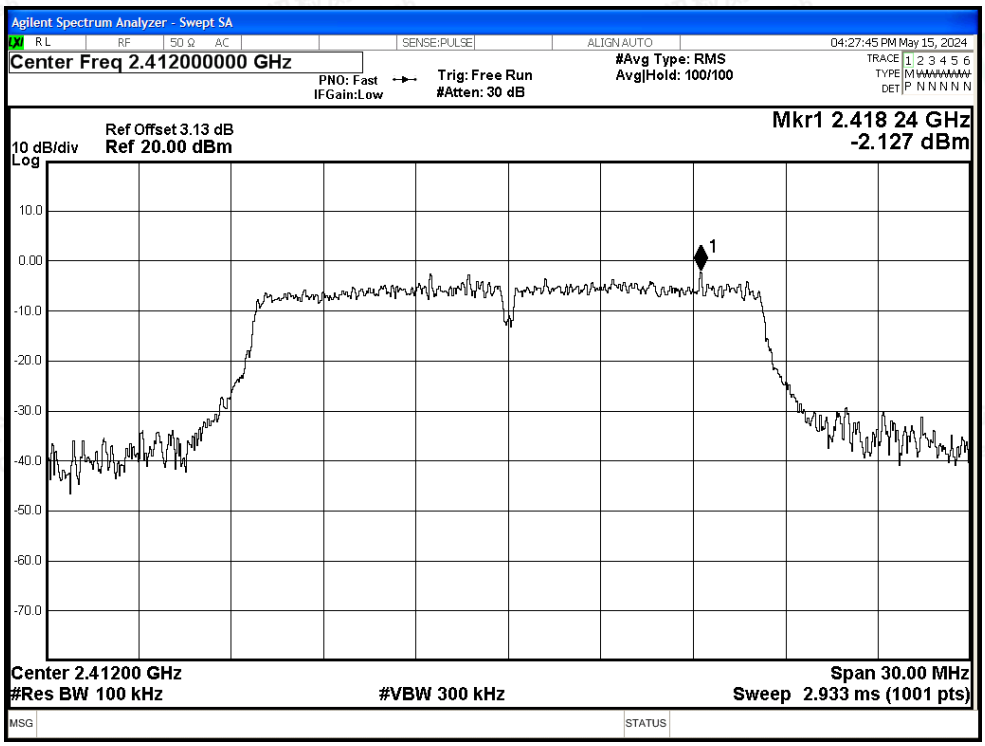
Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



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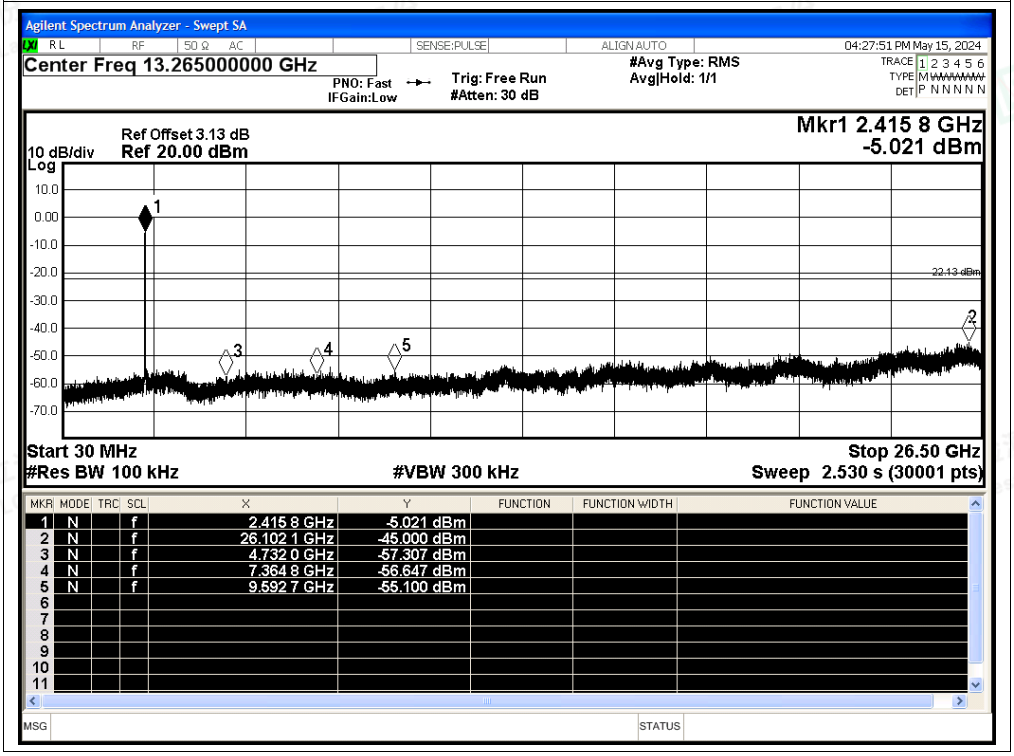
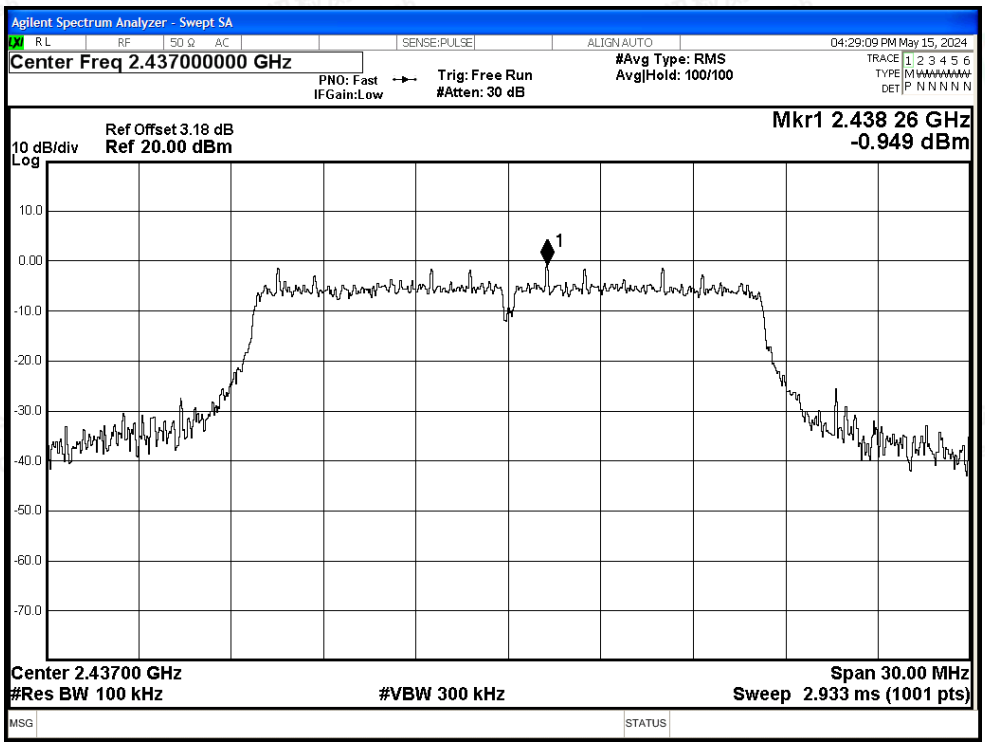
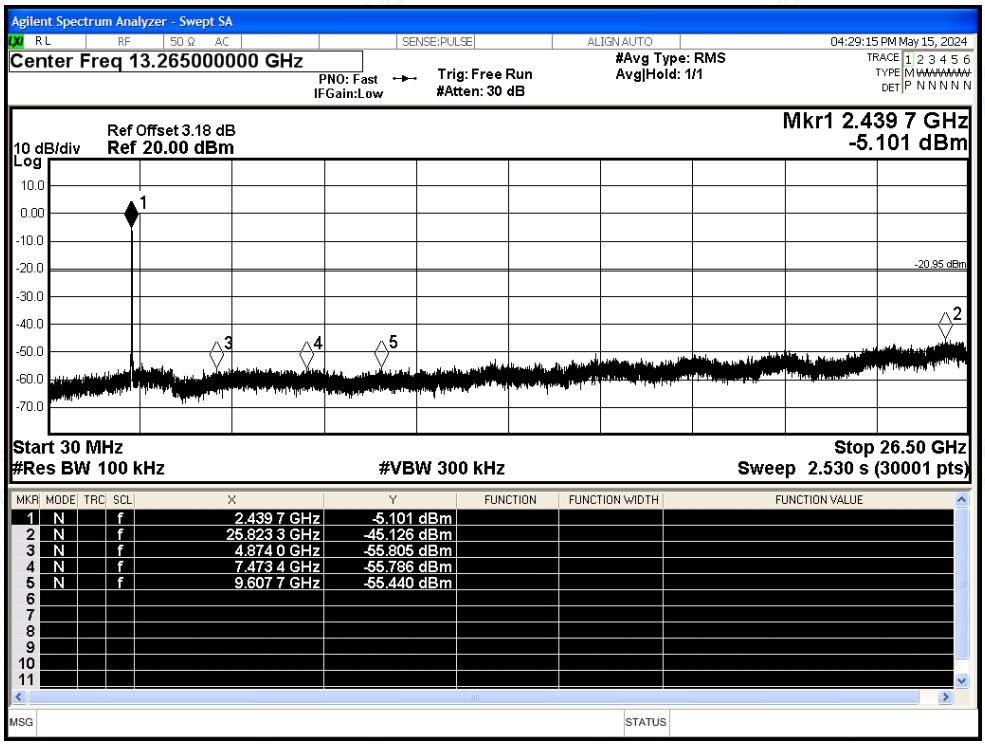


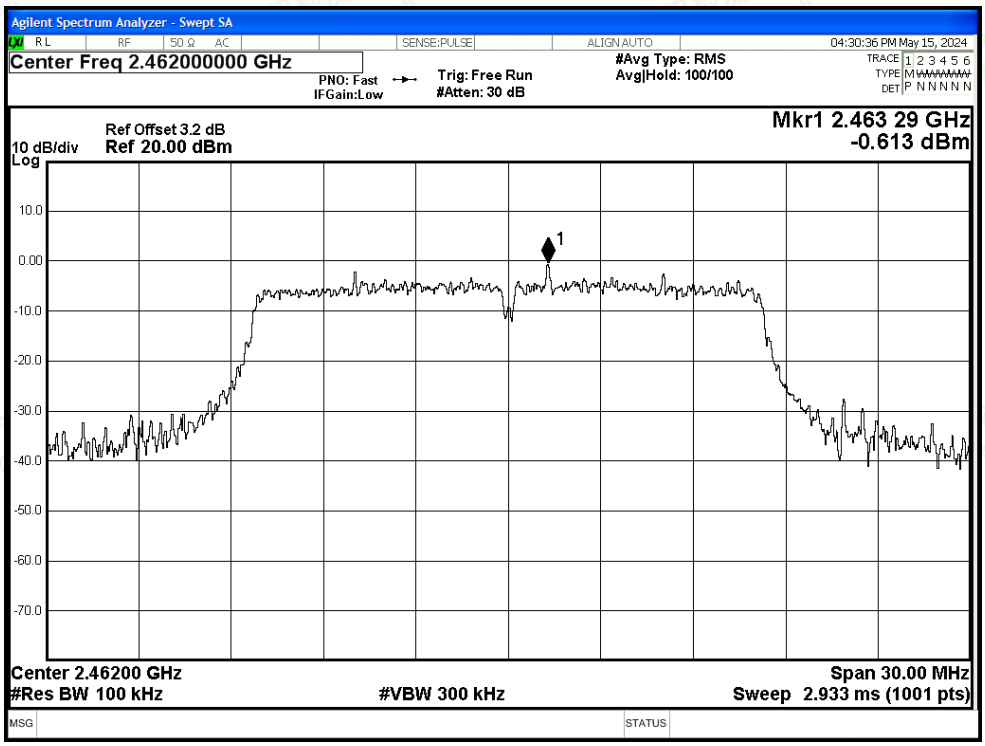
Tx. Spurious NVNT g 2437MHz Ant1 Ref



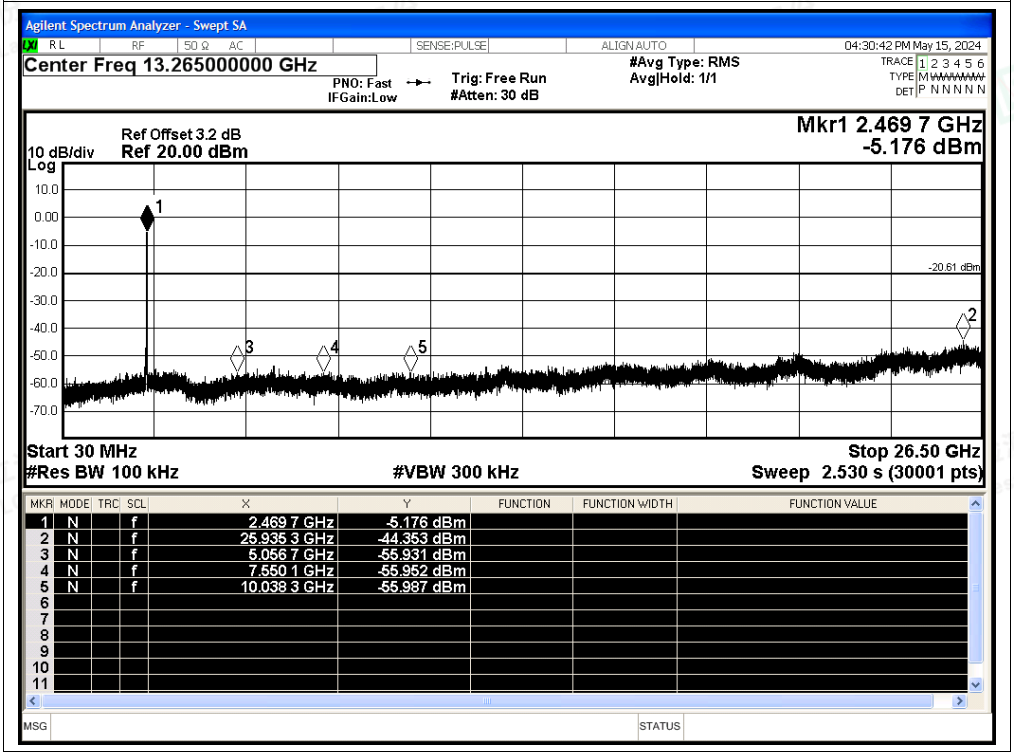
Tx. Spurious NVNT g 2437MHz Ant1 Emission



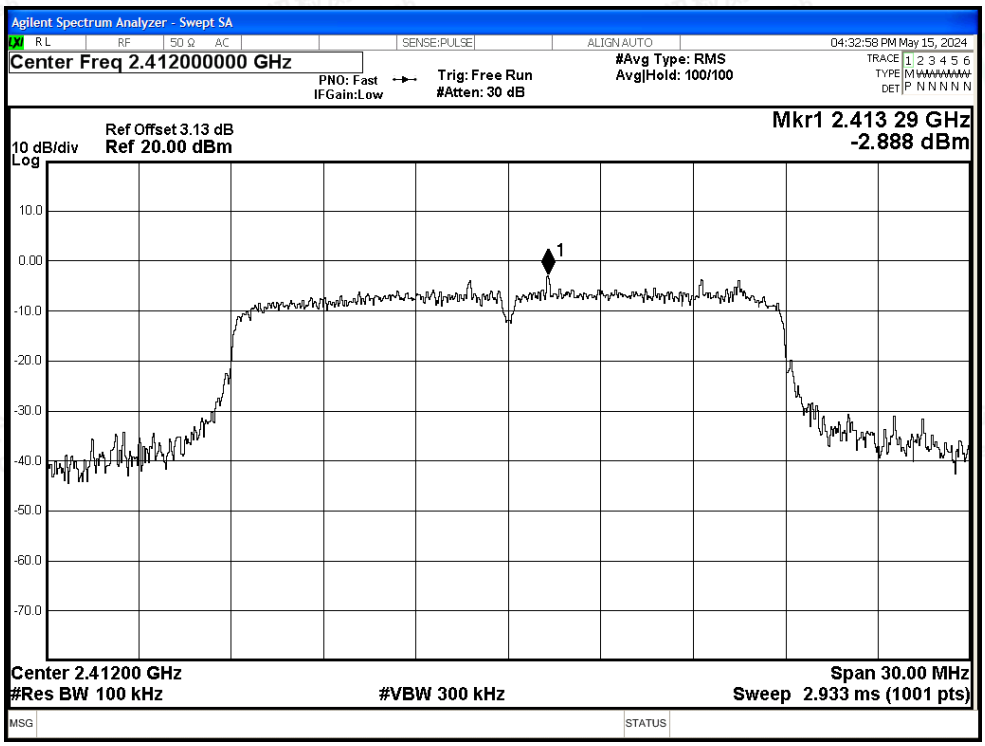
Tx. Spurious NVNT g 2462MHz Ant1 Ref



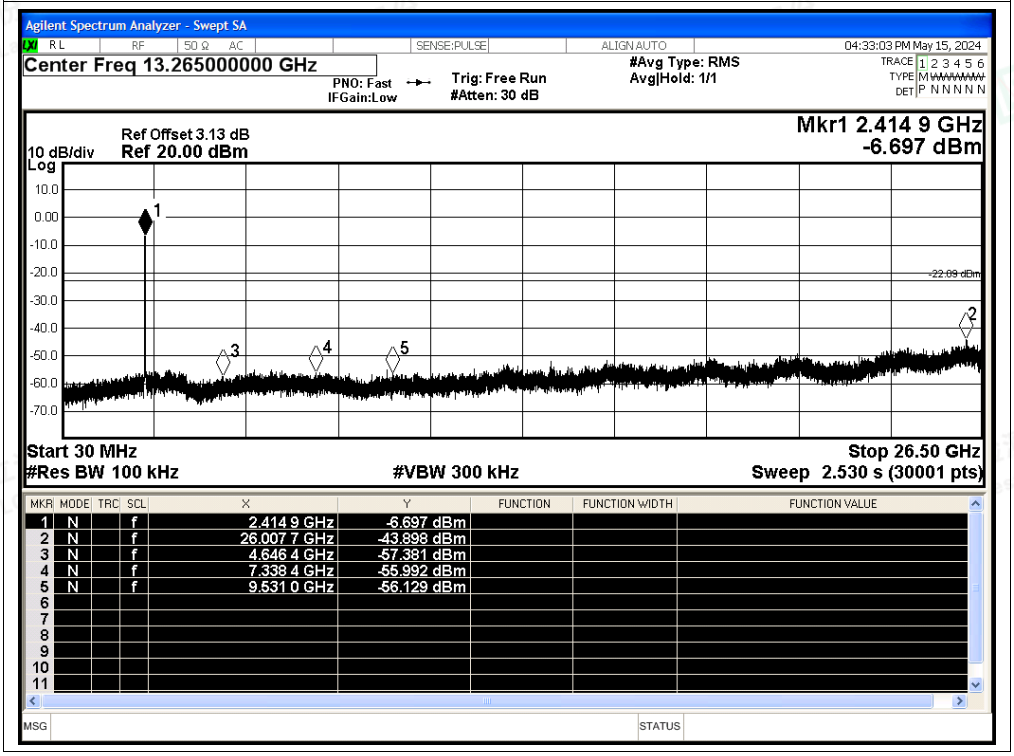
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



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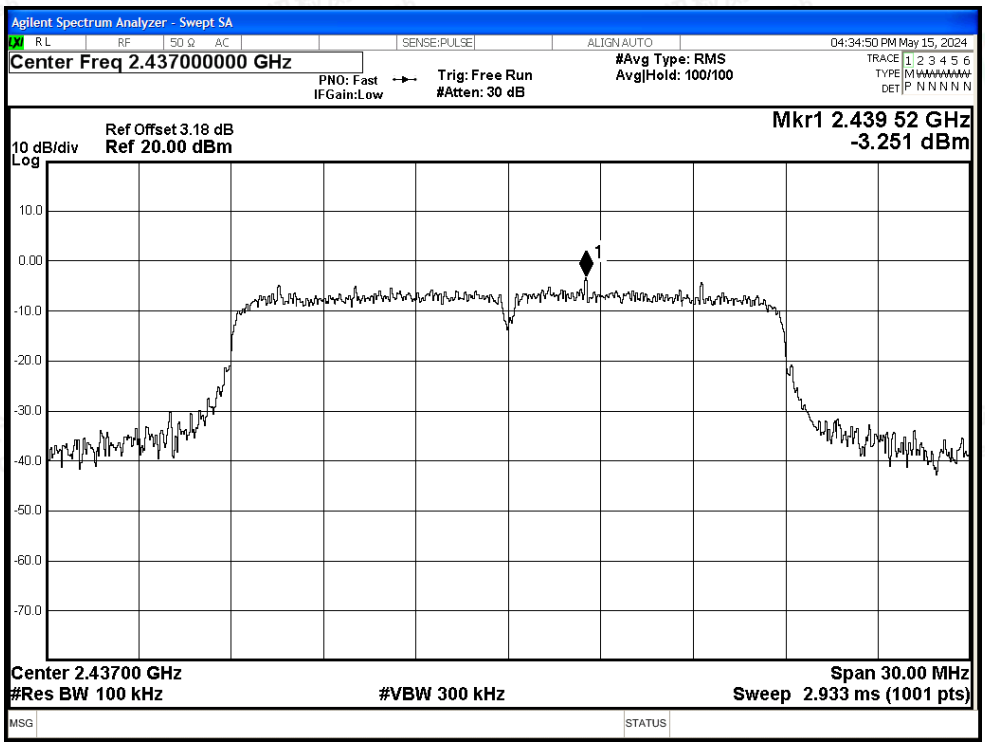

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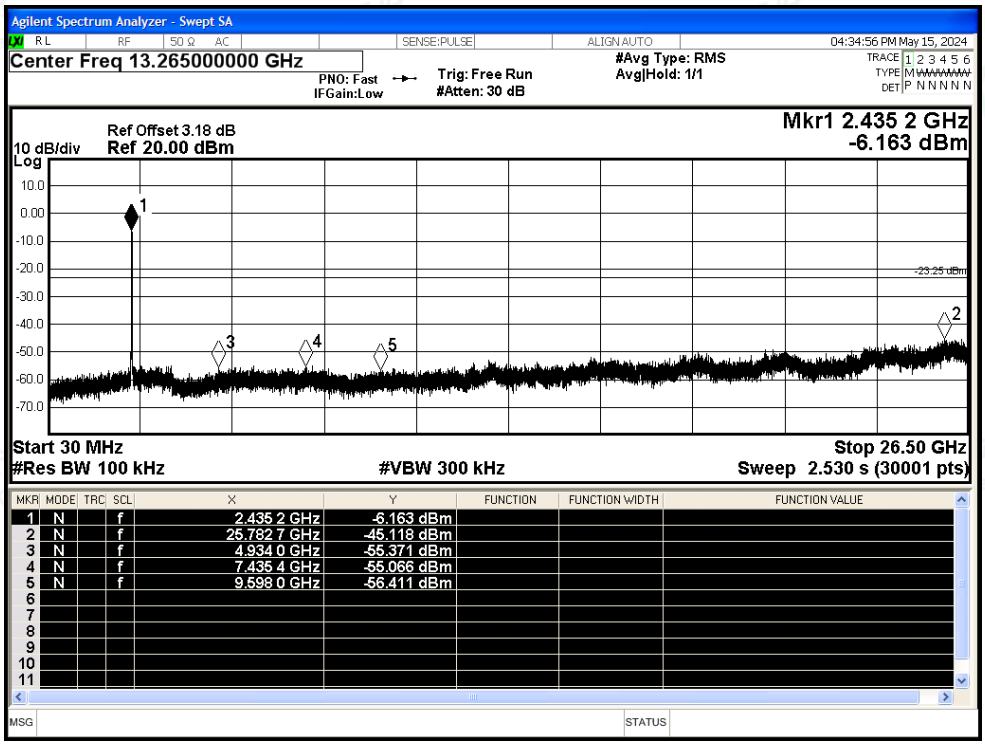

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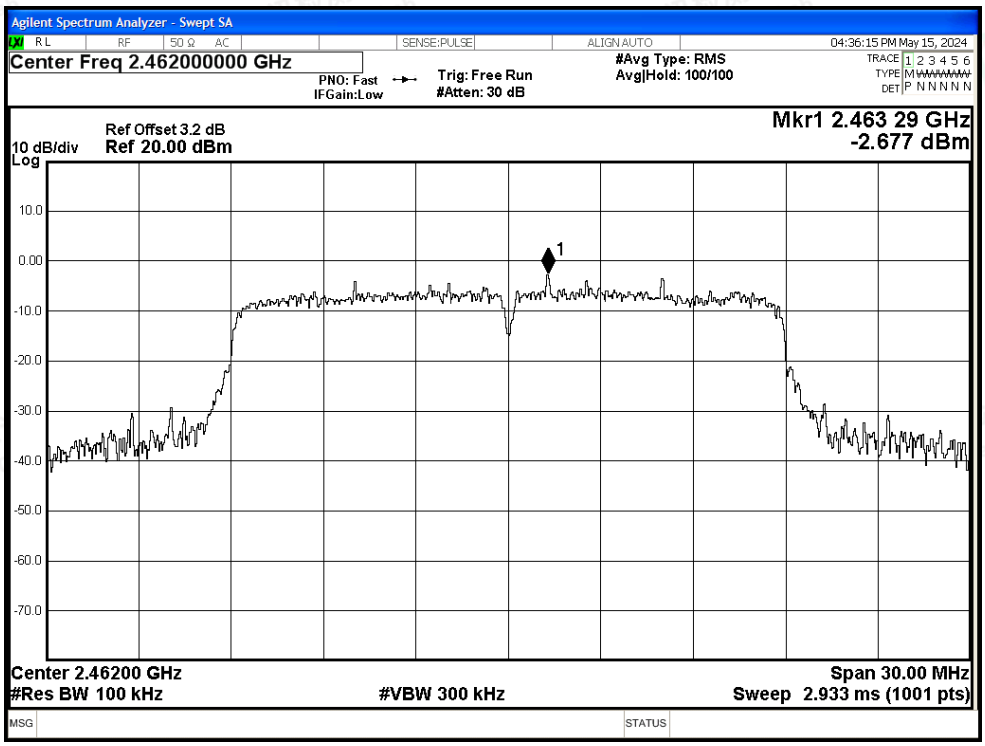
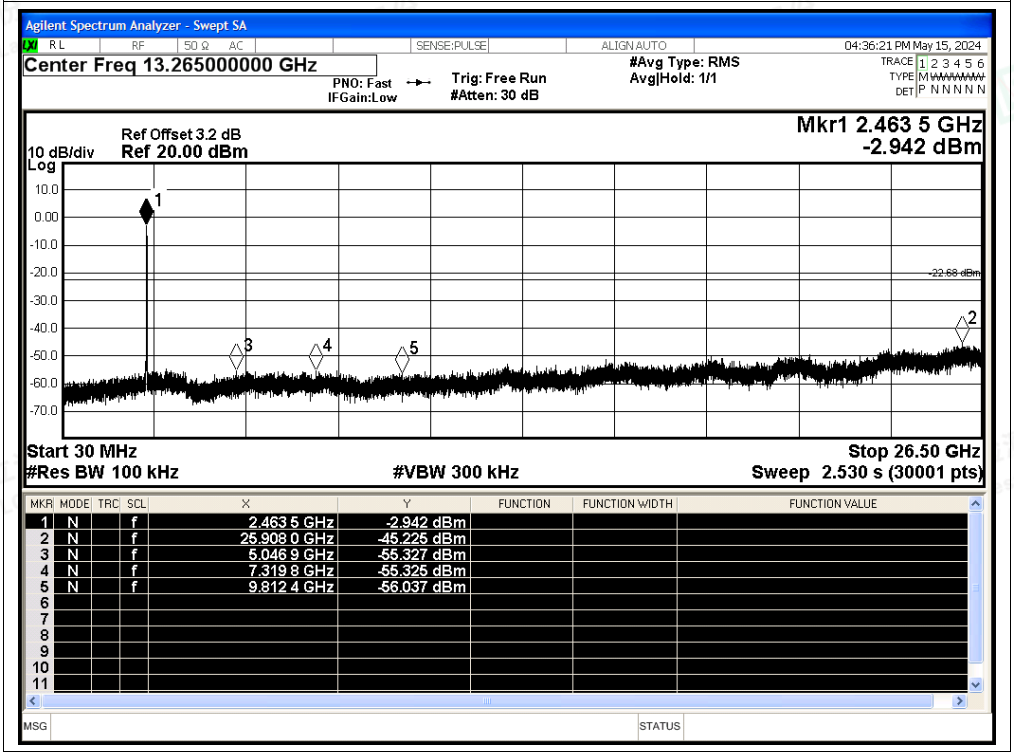
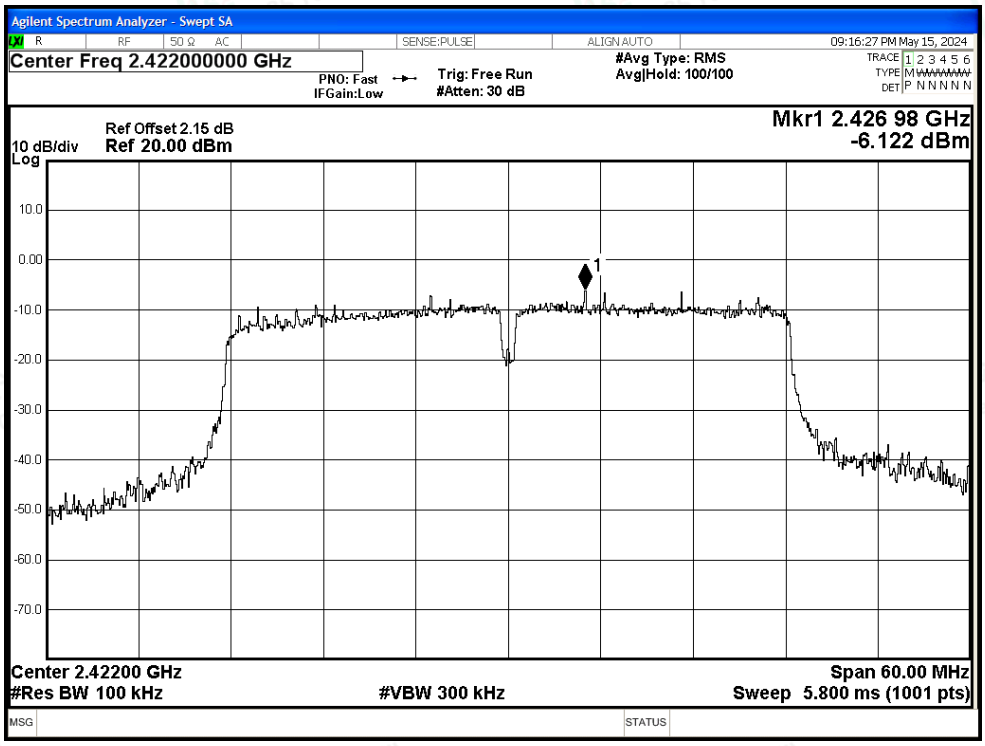


Tx. Spurious NVNT n20 2462MHz Ant1 Emission

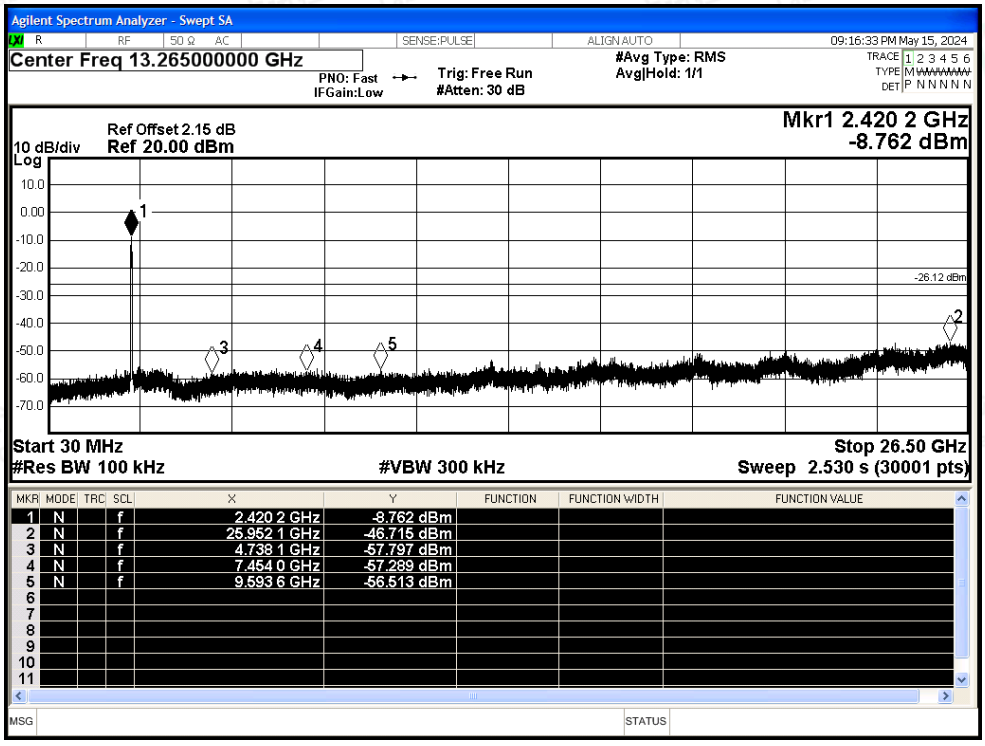


Test Graphs

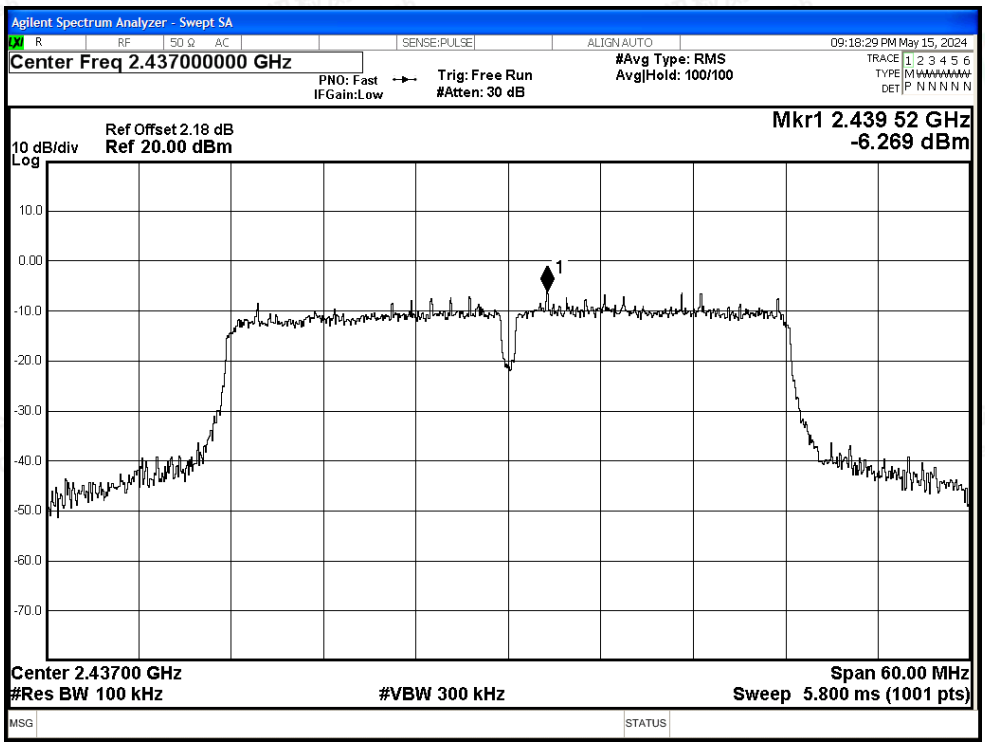
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



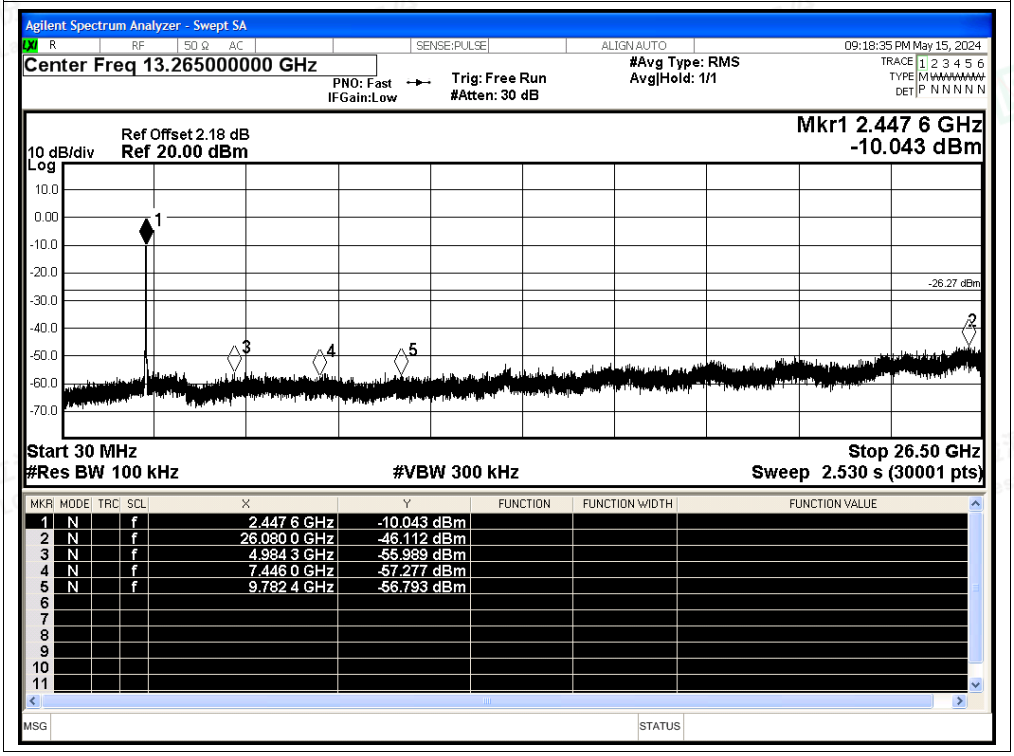
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



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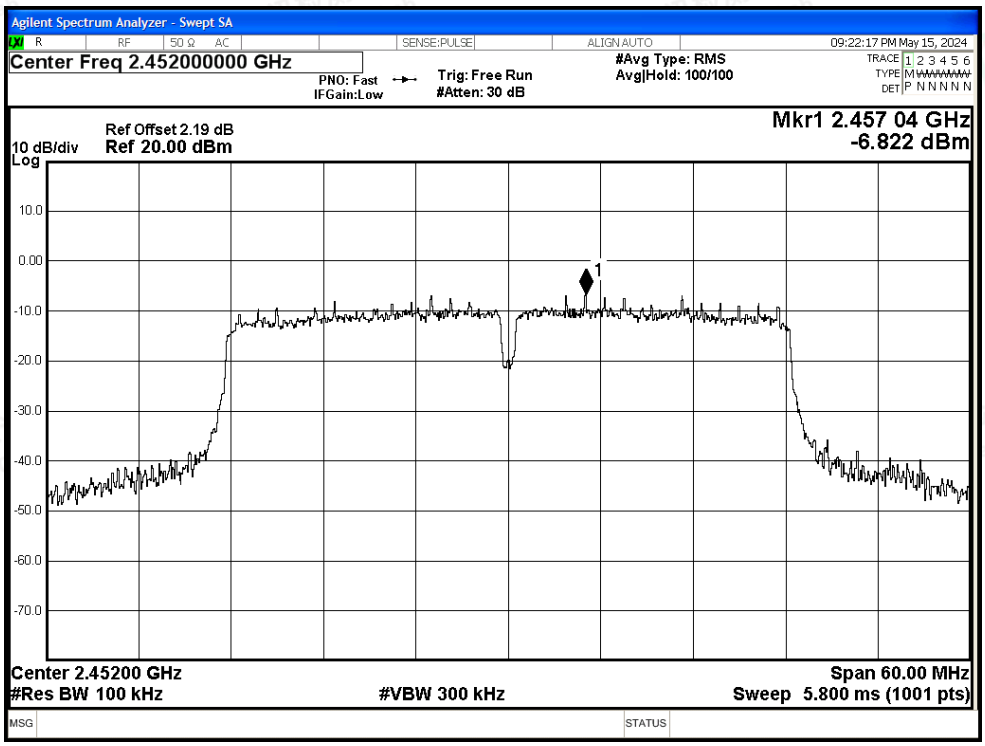
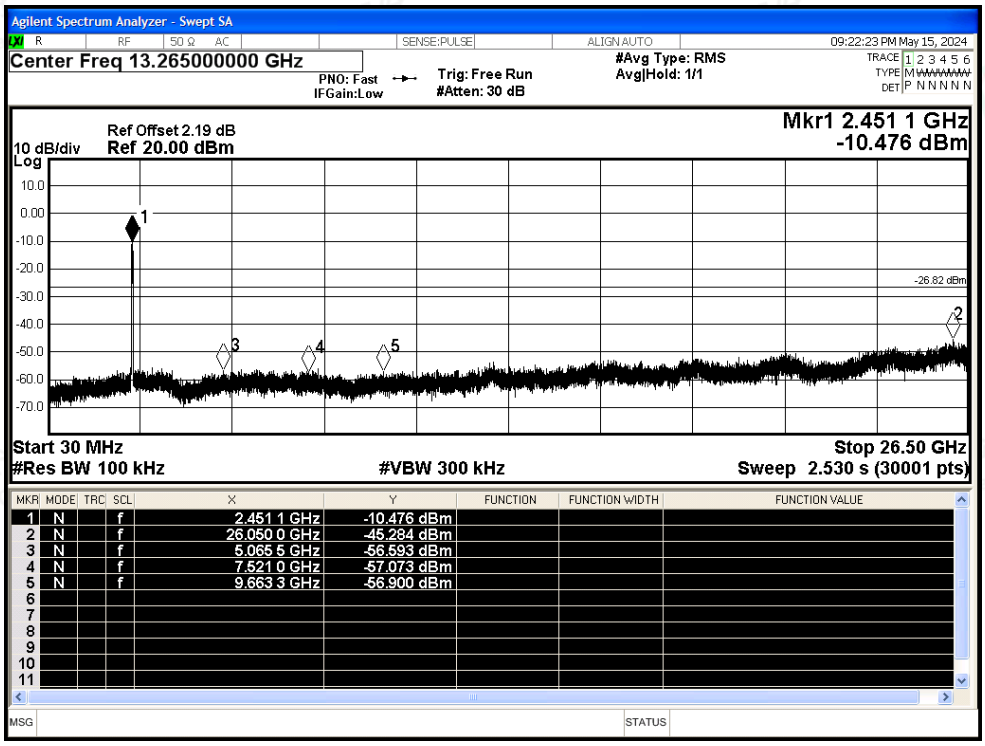


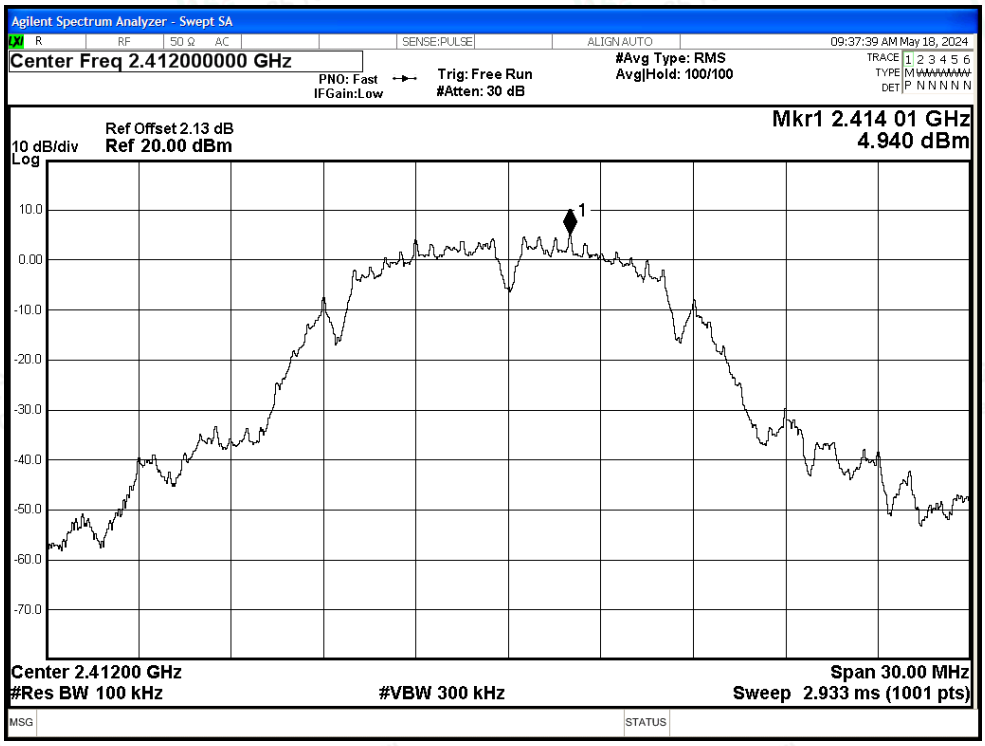
Tx. Spurious NVNT n40 2452MHz Ant1 Emission



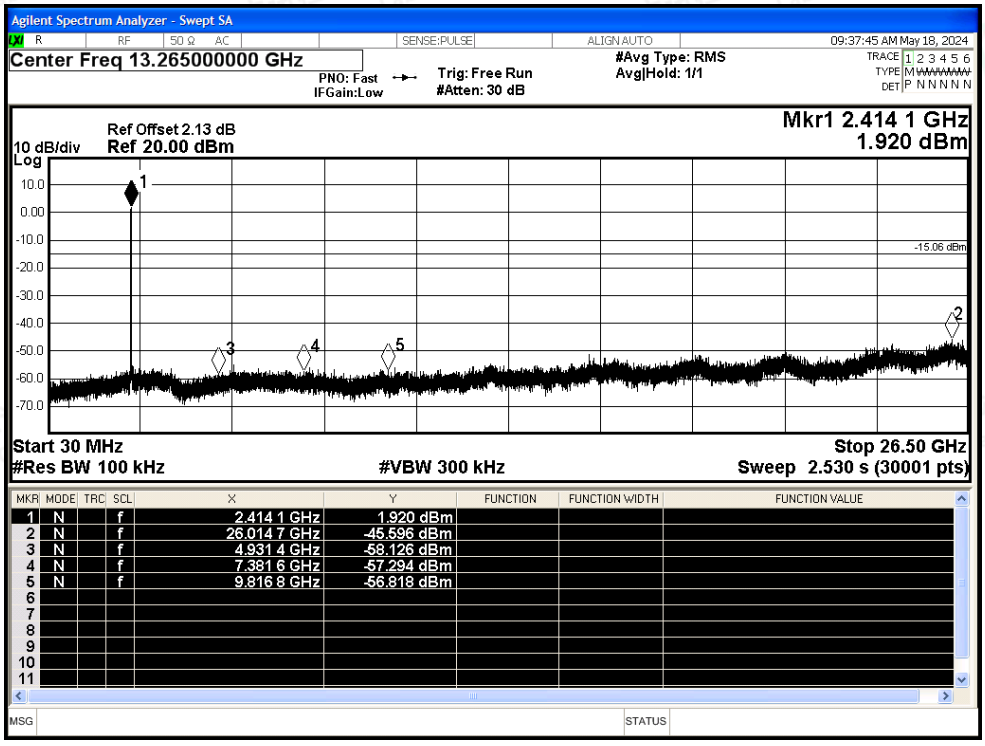
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant2	-50.54	-20	Pass
NVNT	b	2437	Ant2	-51.59	-20	Pass
NVNT	b	2462	Ant2	-51.89	-20	Pass
NVNT	g	2412	Ant2	-45.11	-20	Pass
NVNT	g	2437	Ant2	-44.97	-20	Pass
NVNT	g	2462	Ant2	-45.14	-20	Pass
NVNT	n20	2412	Ant2	-43.44	-20	Pass
NVNT	n20	2437	Ant2	-41.88	-20	Pass
NVNT	n20	2462	Ant2	-41.8	-20	Pass
NVNT	n40	2422	Ant2	-40.47	-20	Pass
NVNT	n40	2437	Ant2	-40.4	-20	Pass
NVNT	n40	2452	Ant2	-39.88	-20	Pass

Test Graphs

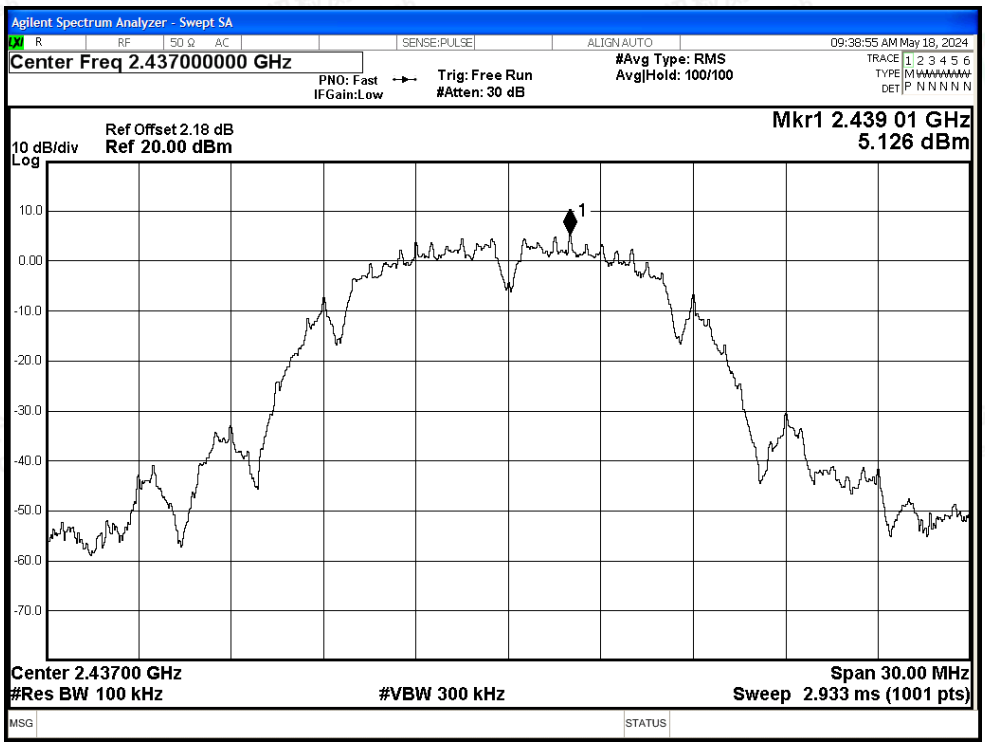
Tx. Spurious NVNT b 2412MHz Ant2 Ref



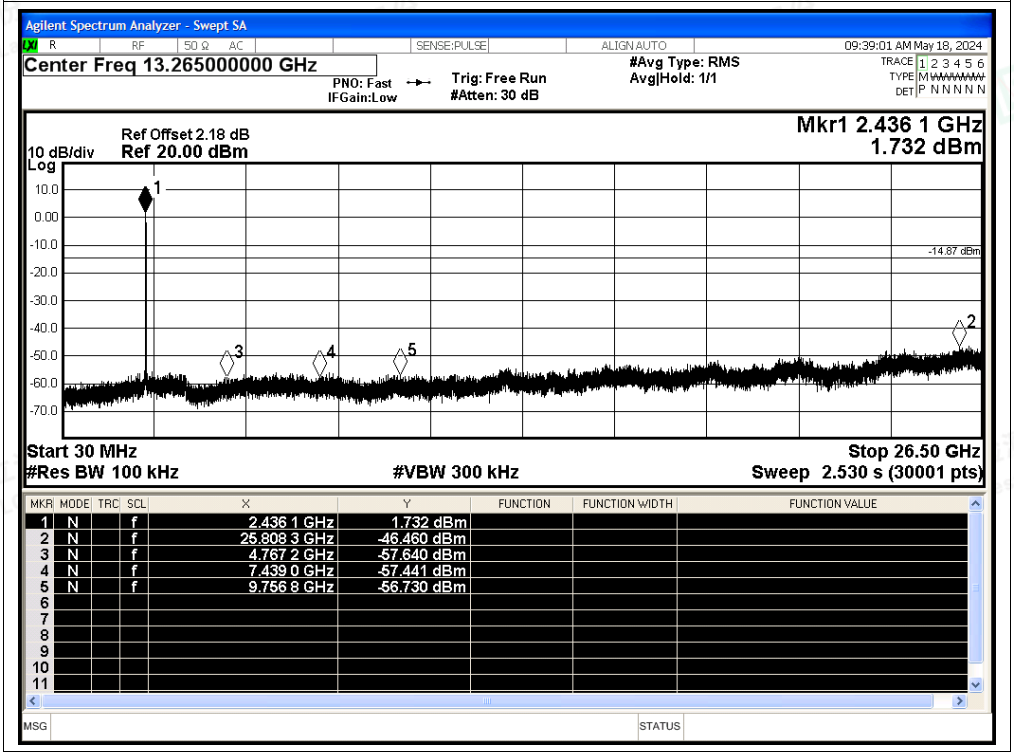
Tx. Spurious NVNT b 2412MHz Ant2 Emission



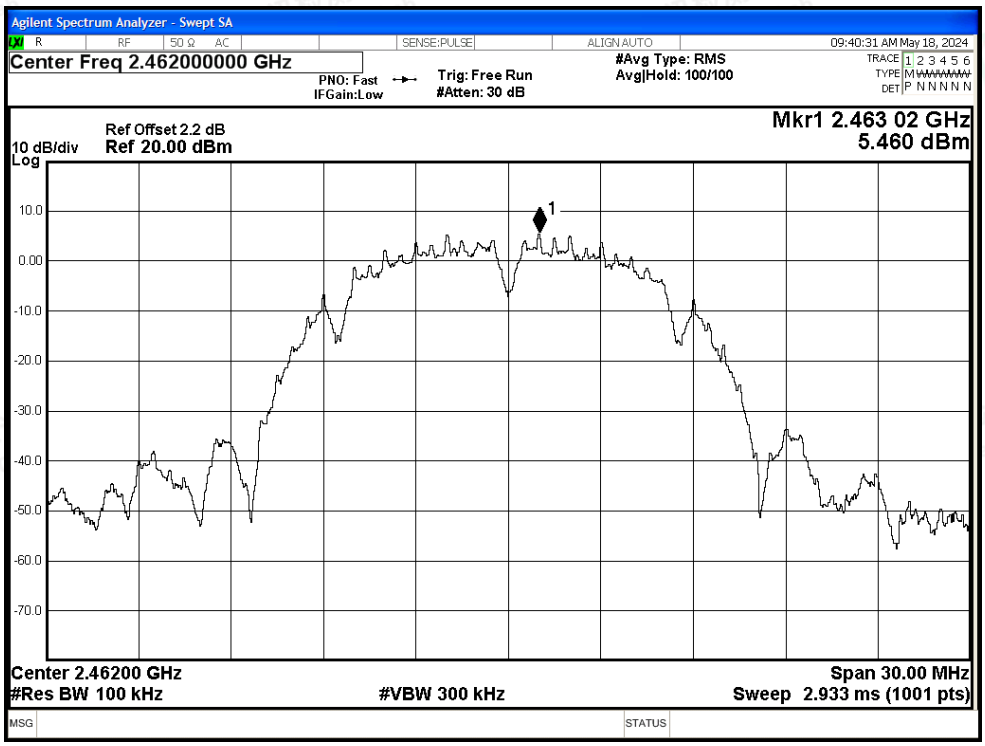
Tx. Spurious NVNT b 2437MHz Ant2 Ref



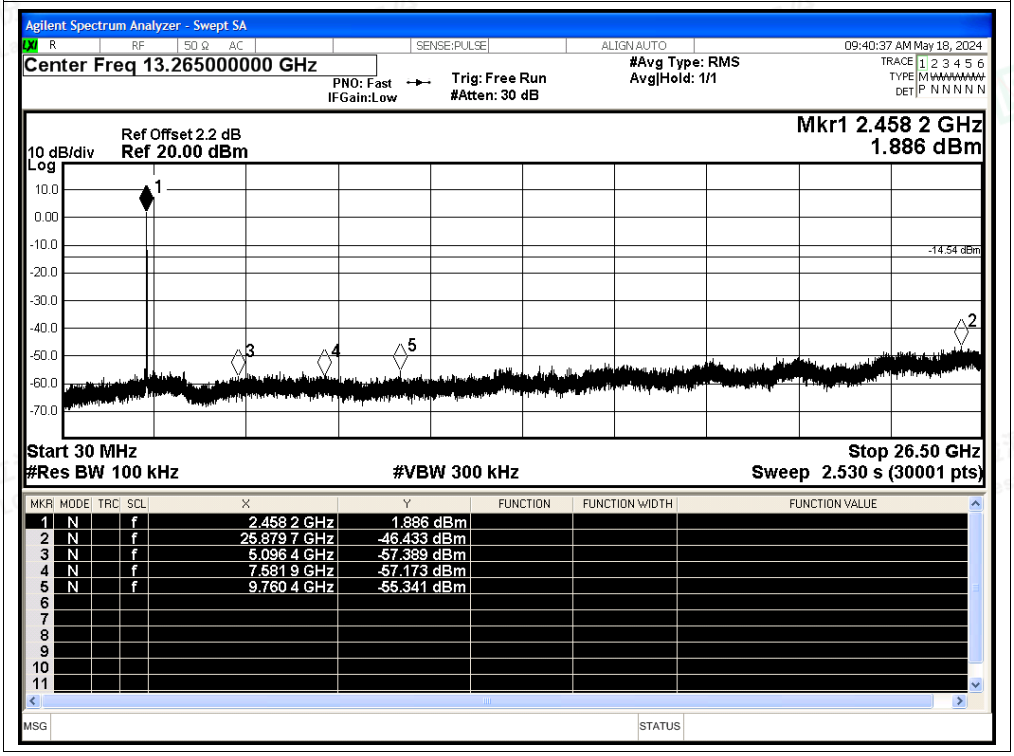
Tx. Spurious NVNT b 2437MHz Ant2 Emission



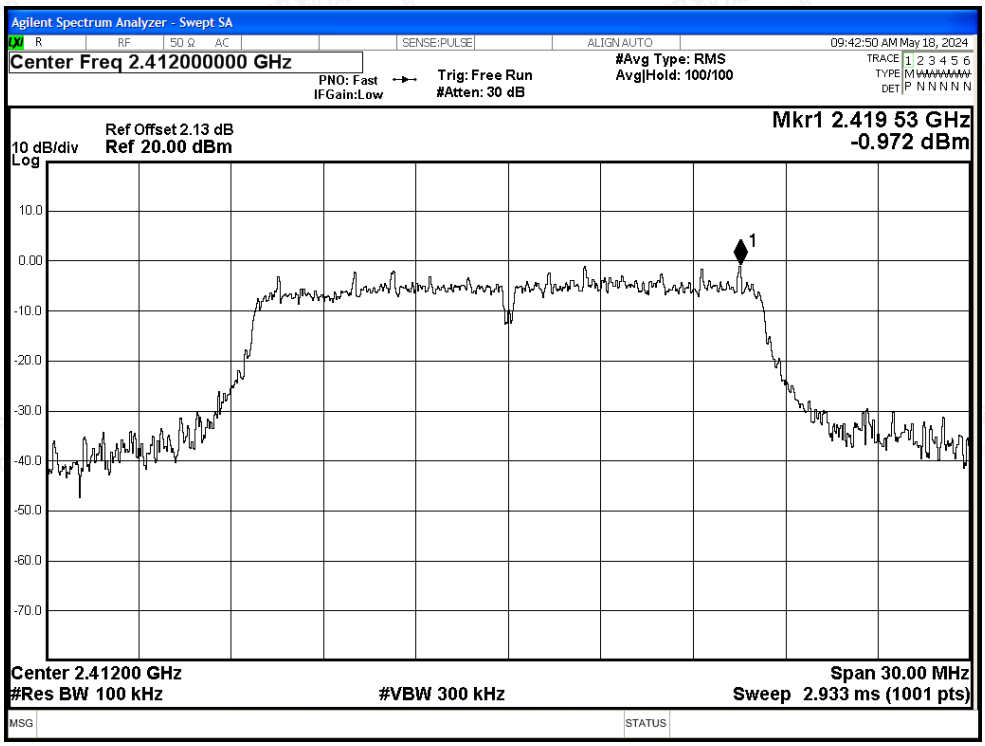
Tx. Spurious NVNT b 2462MHz Ant2 Ref



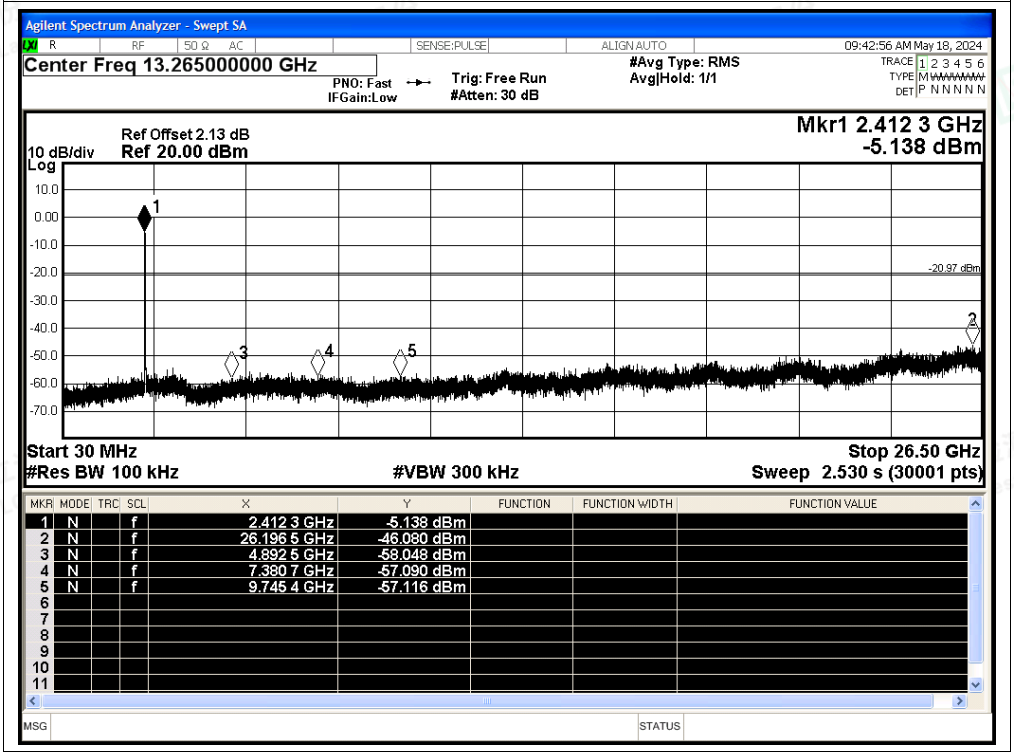
Tx. Spurious NVNT b 2462MHz Ant2 Emission



Tx. Spurious NVNT g 2412MHz Ant2 Ref



Tx. Spurious NVNT g 2412MHz Ant2 Emission



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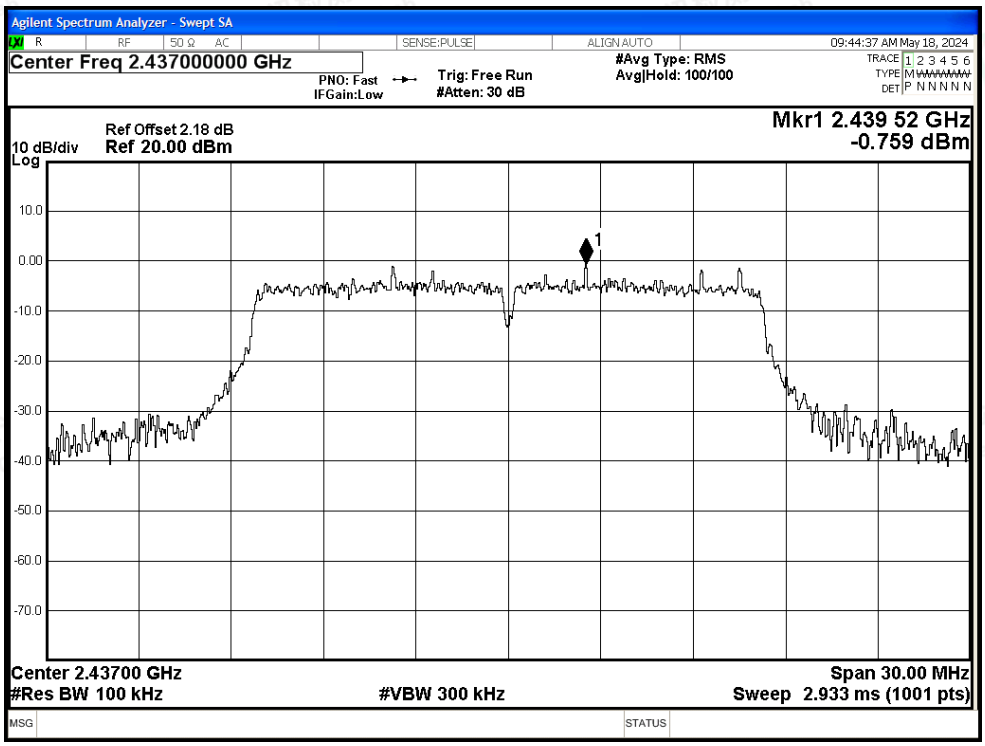
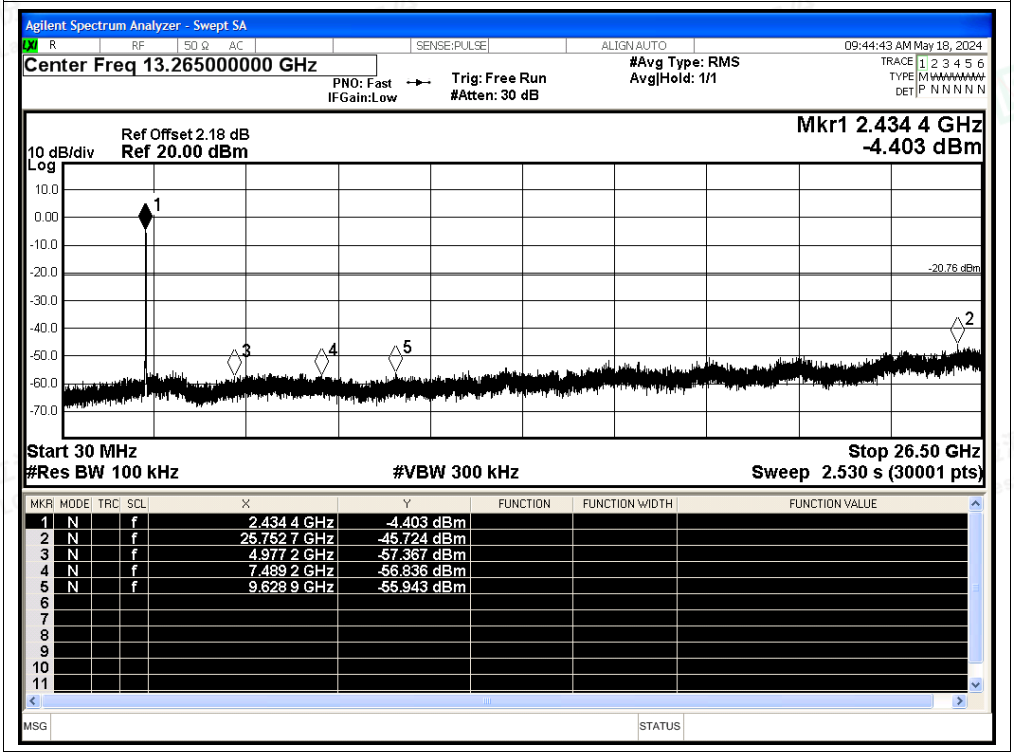


Tx. Spurious NVNT g 2437MHz Ant2 Emission



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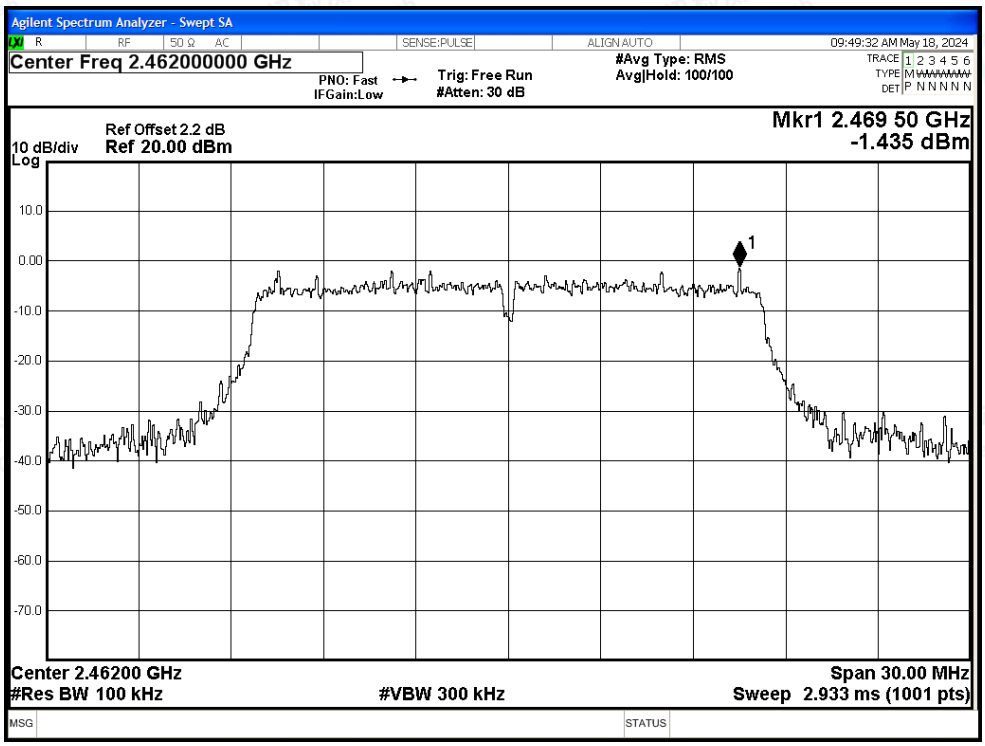
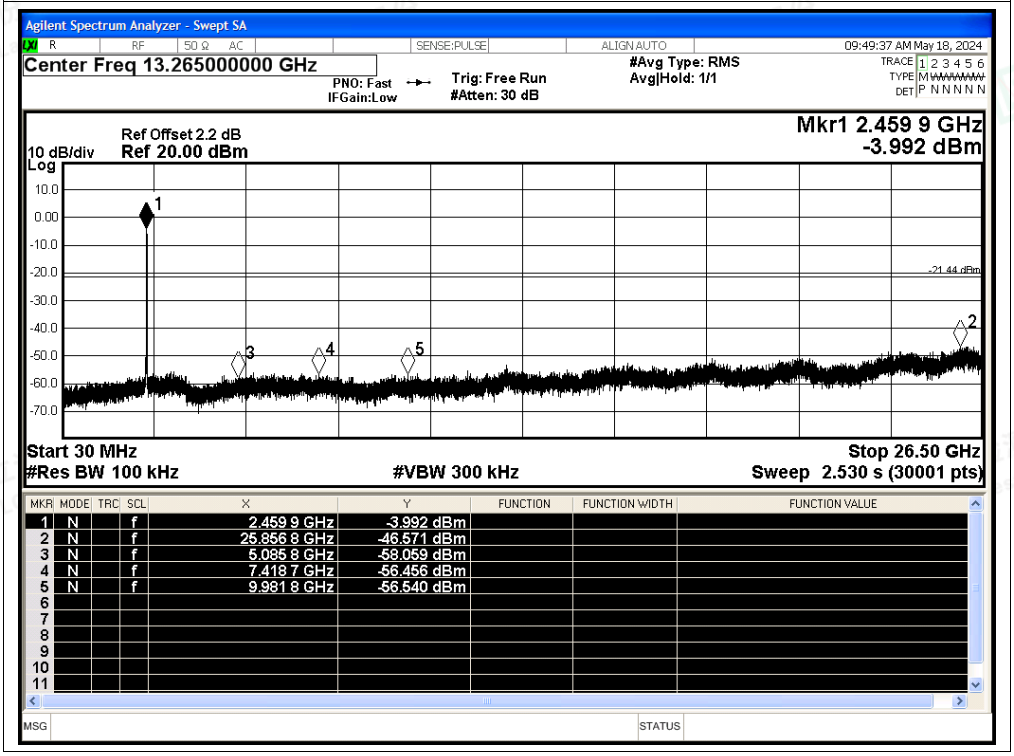
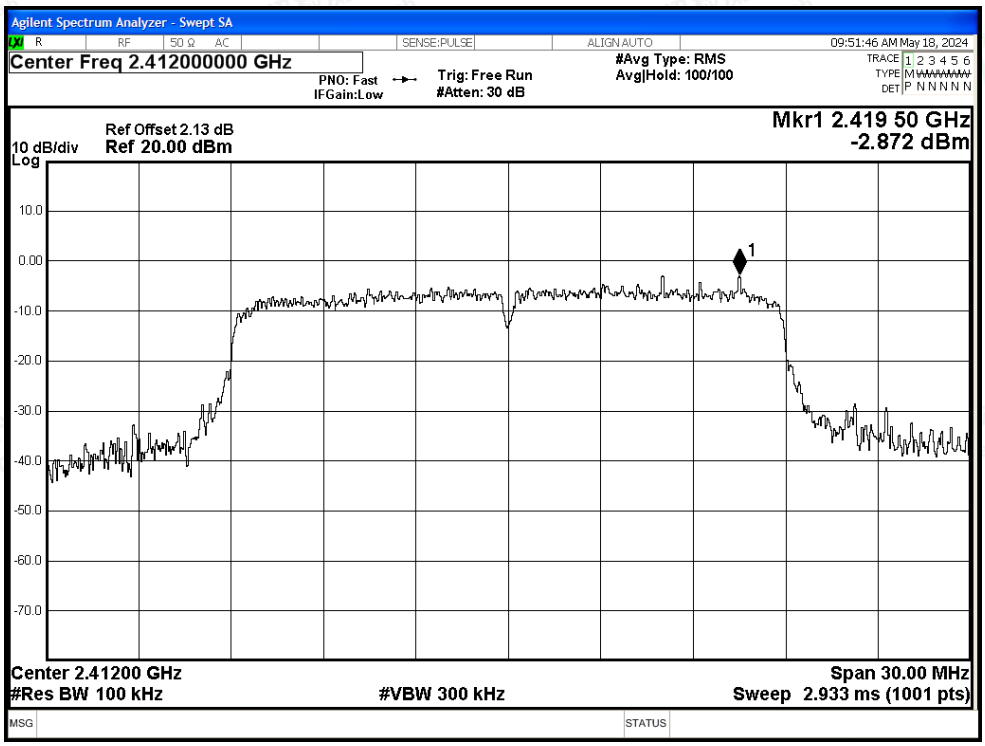


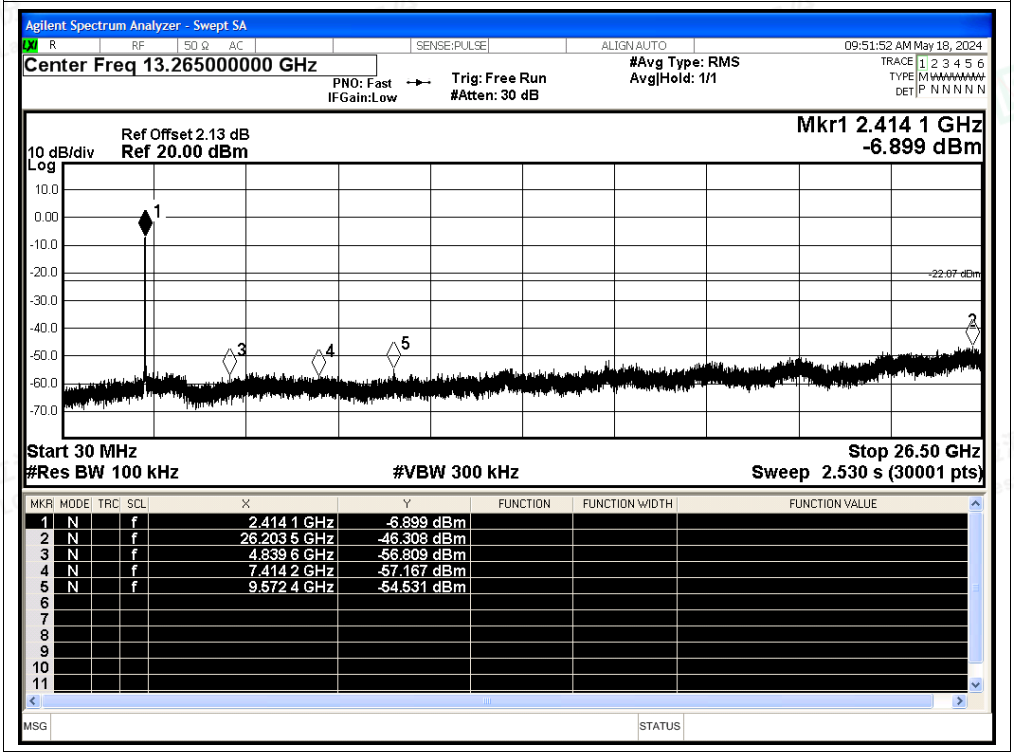
Tx. Spurious NVNT g 2462MHz Ant2 Emission



Tx. Spurious NVNT n20 2412MHz Ant2 Ref



Tx. Spurious NVNT n20 2412MHz Ant2 Emission



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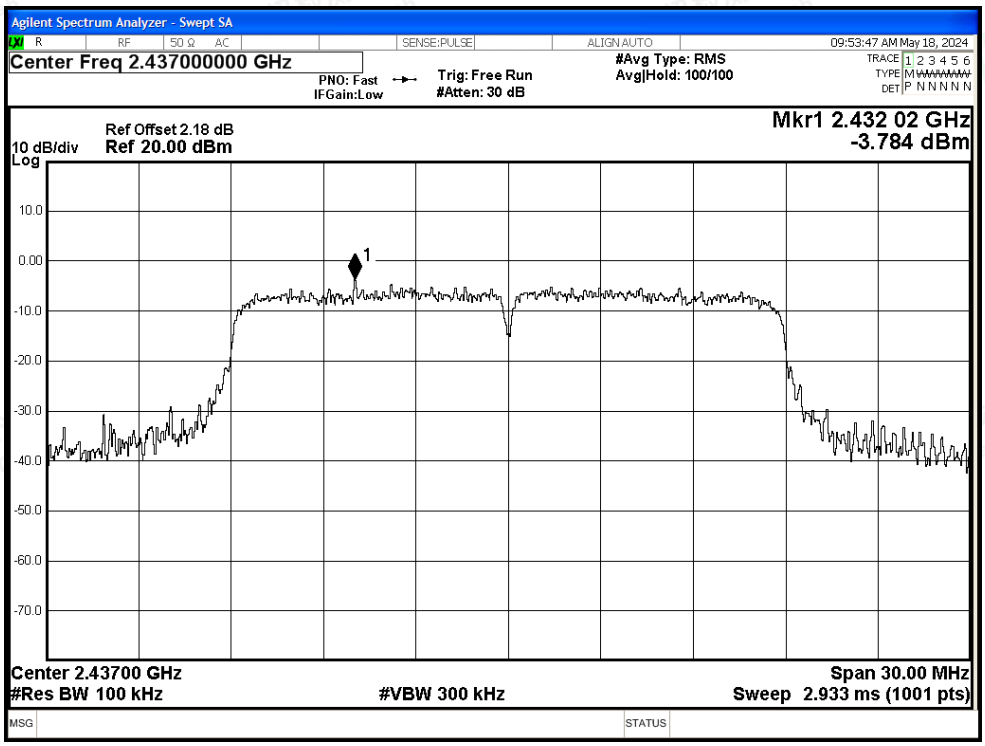

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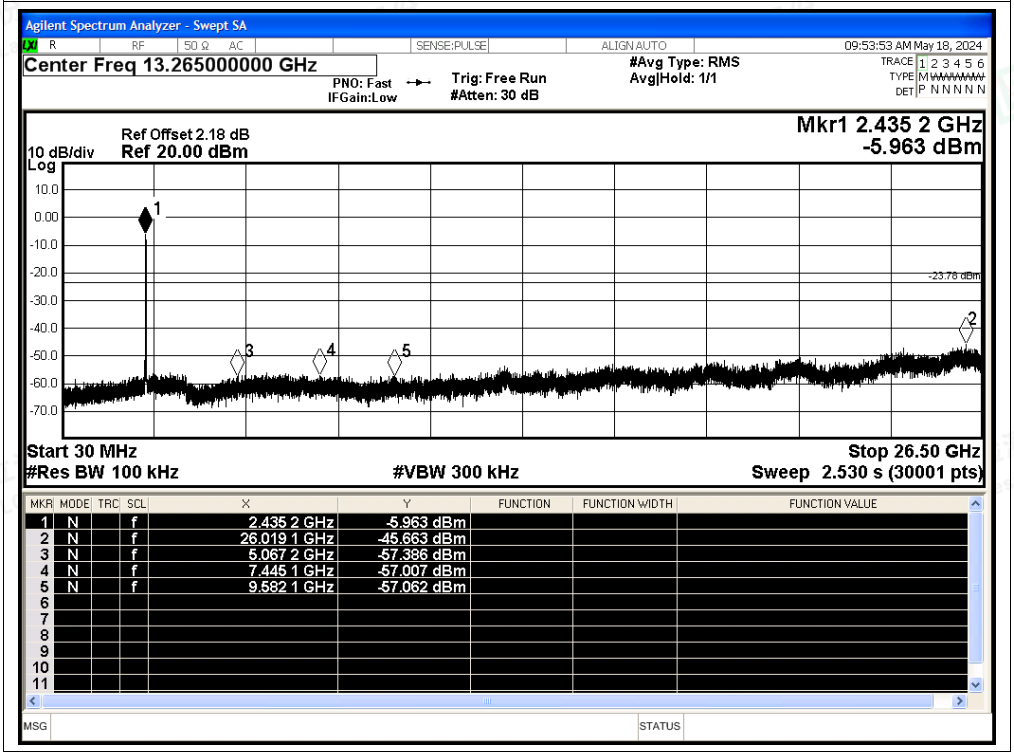

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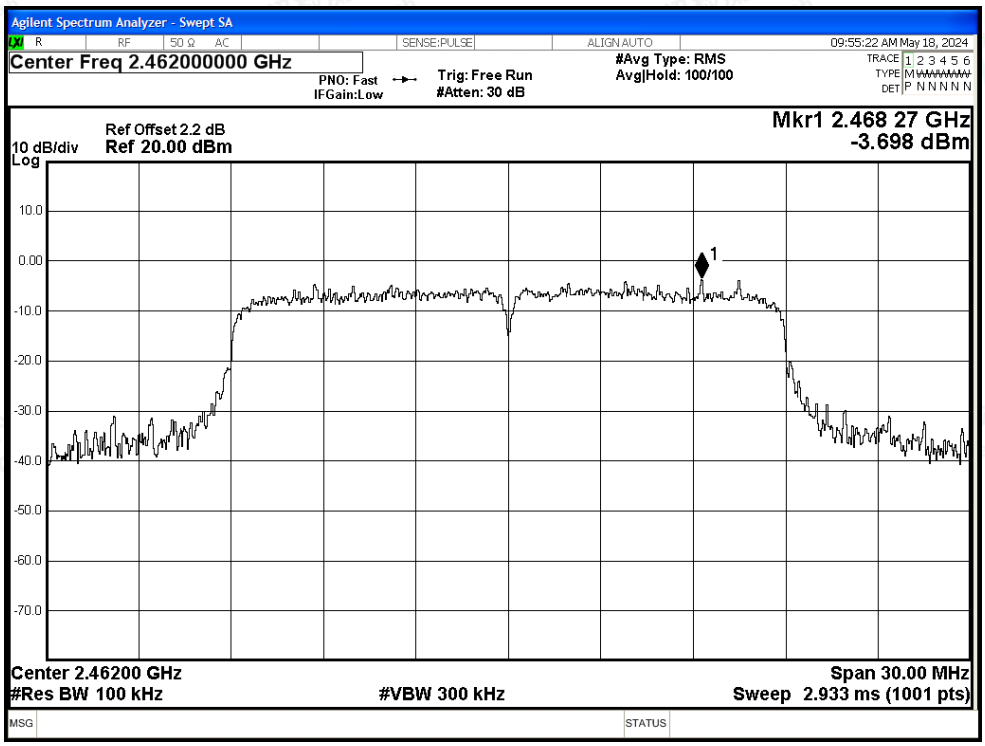
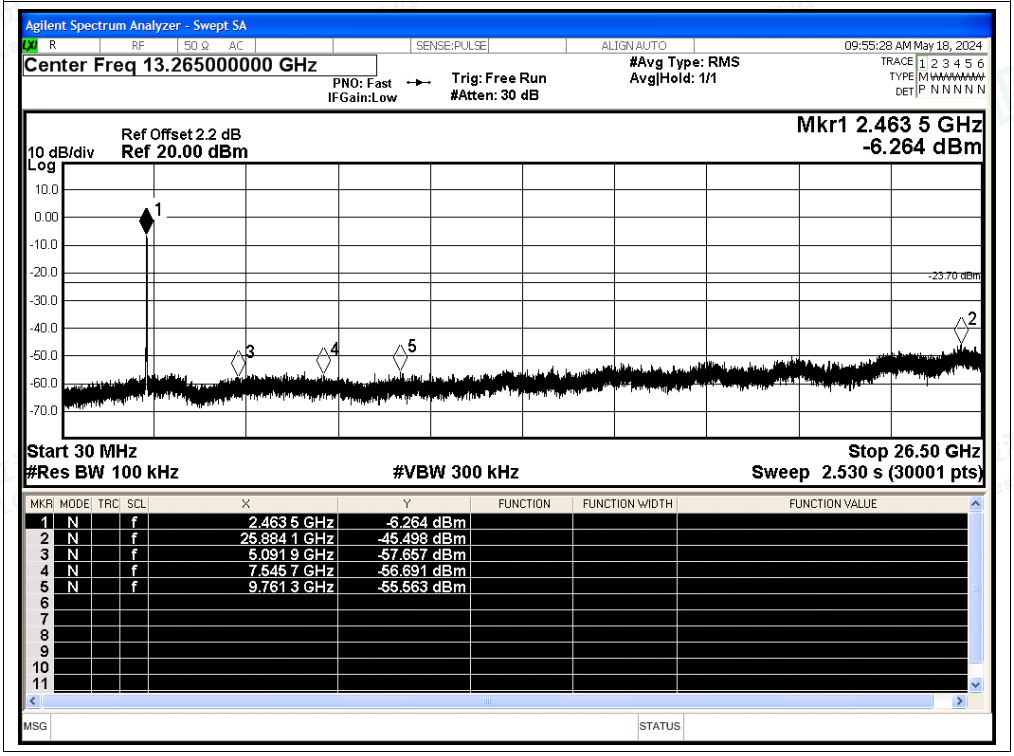
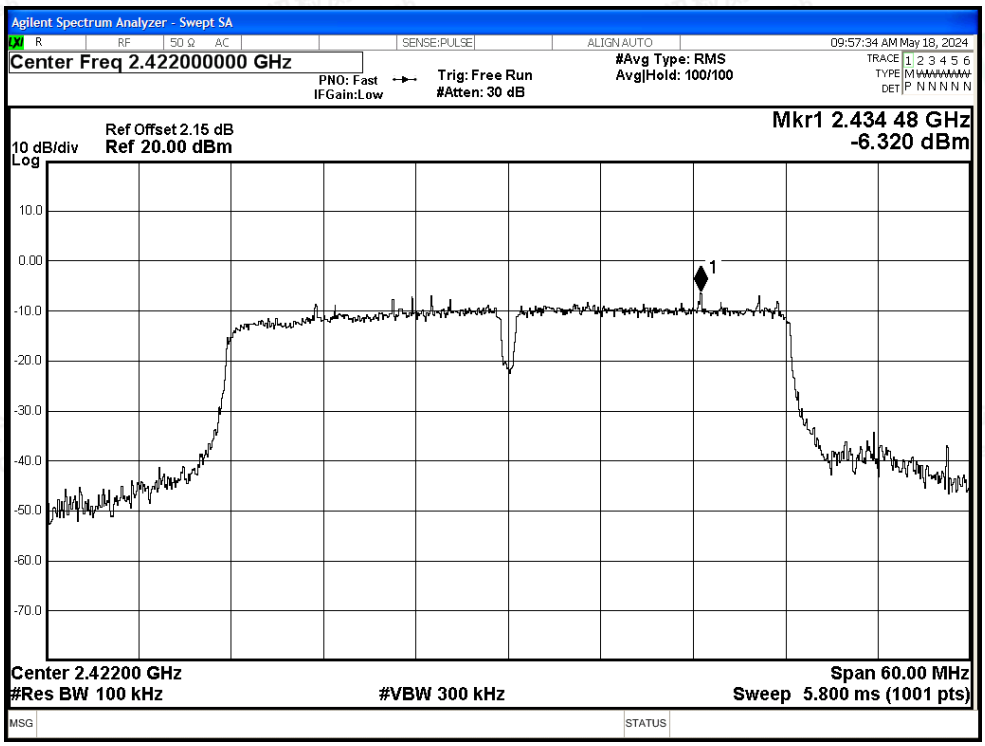


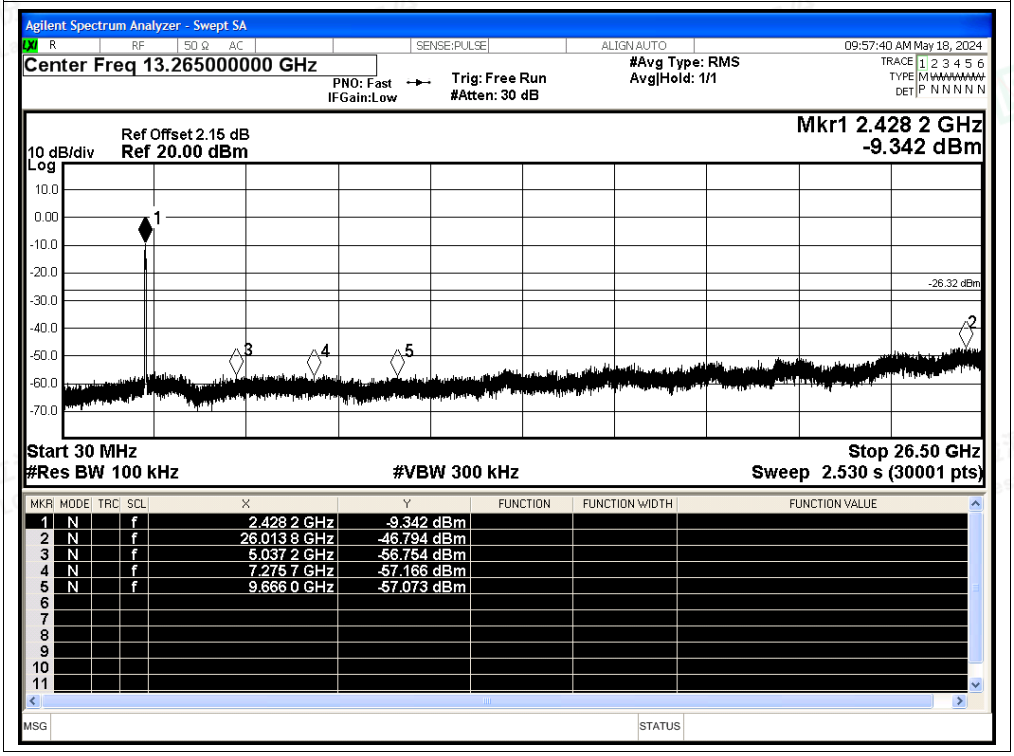
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



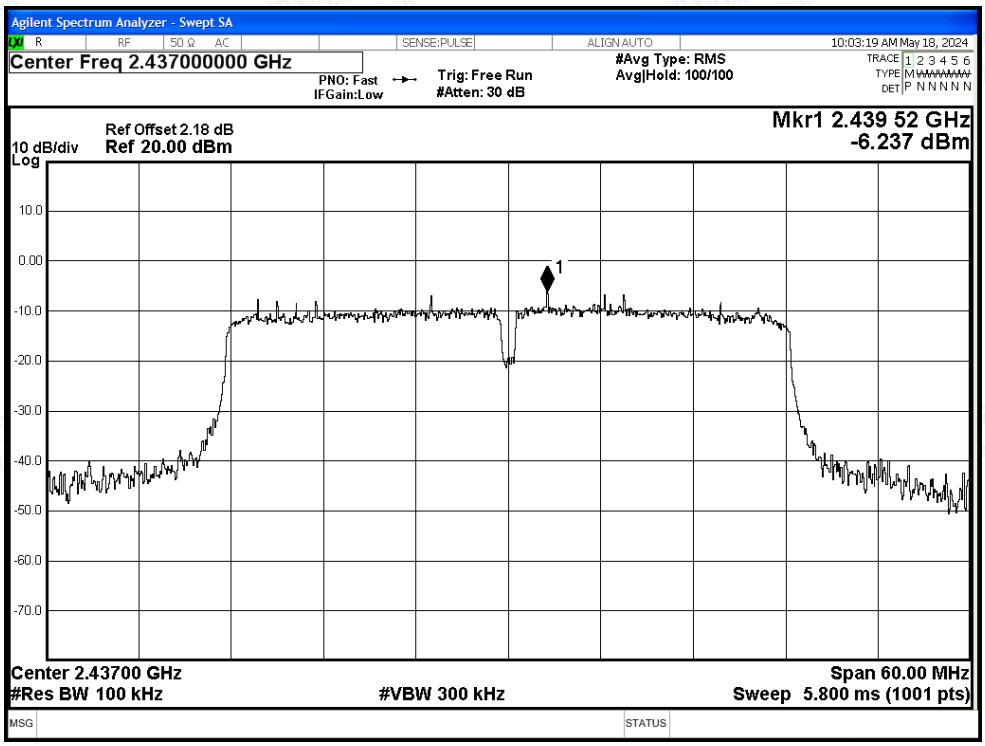
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



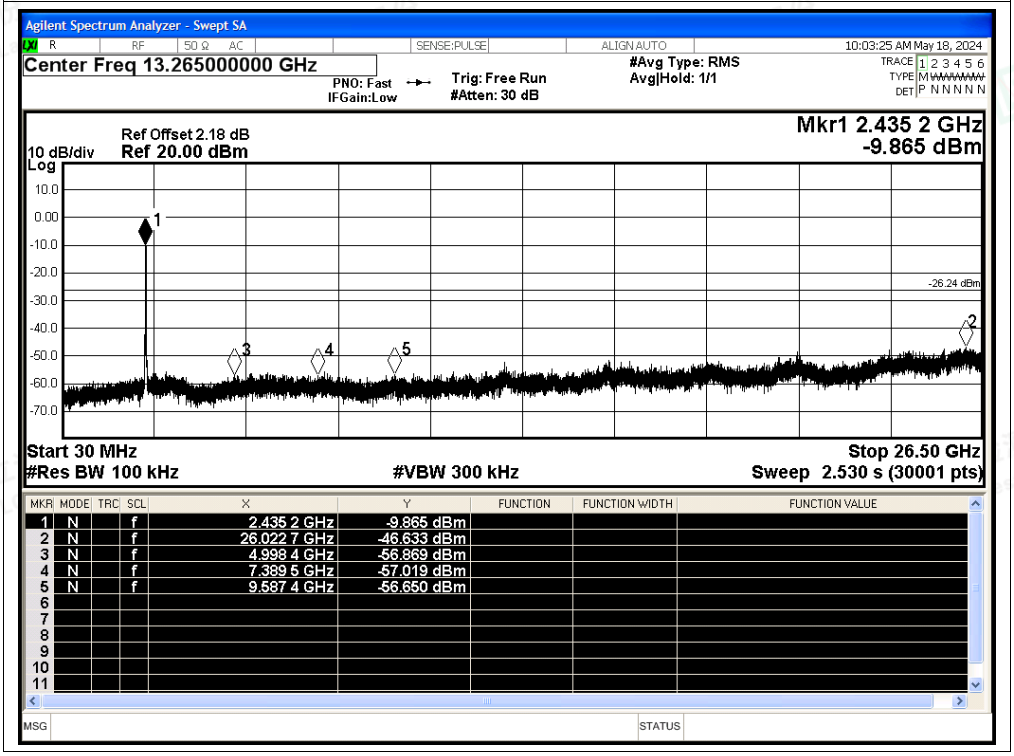
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



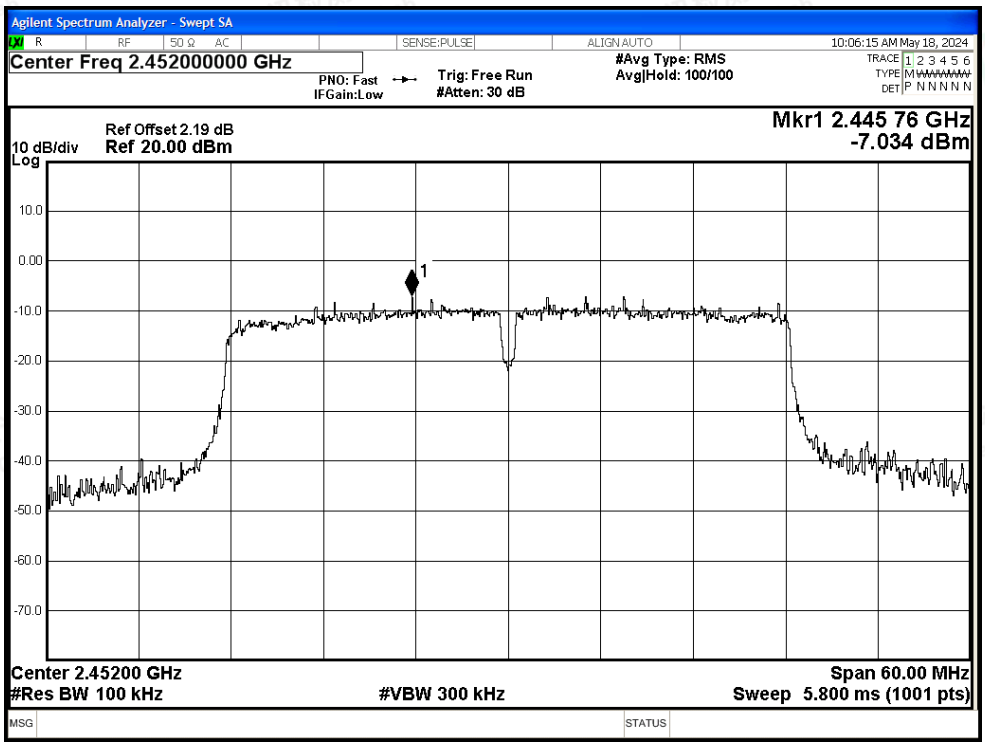
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



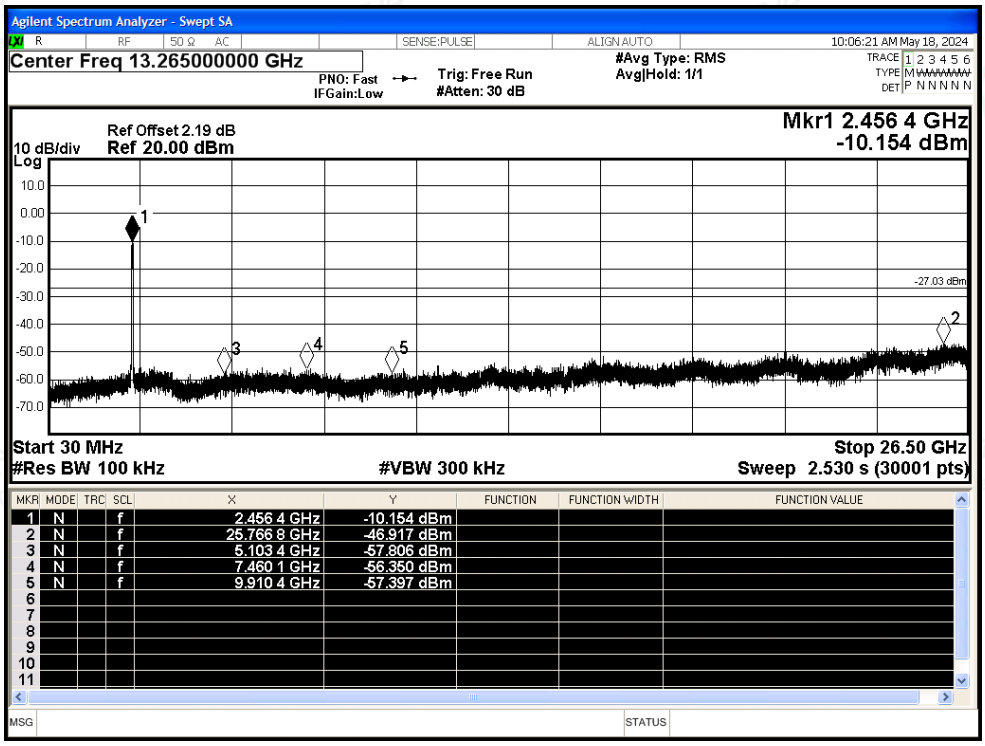
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission

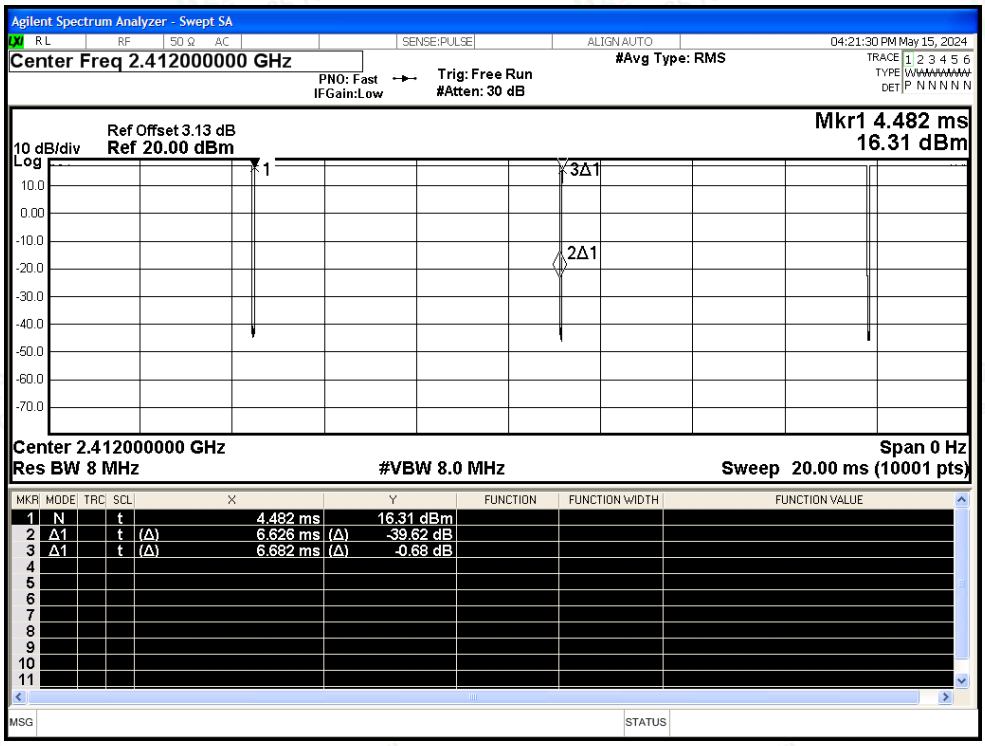


C.6 Duty Cycle

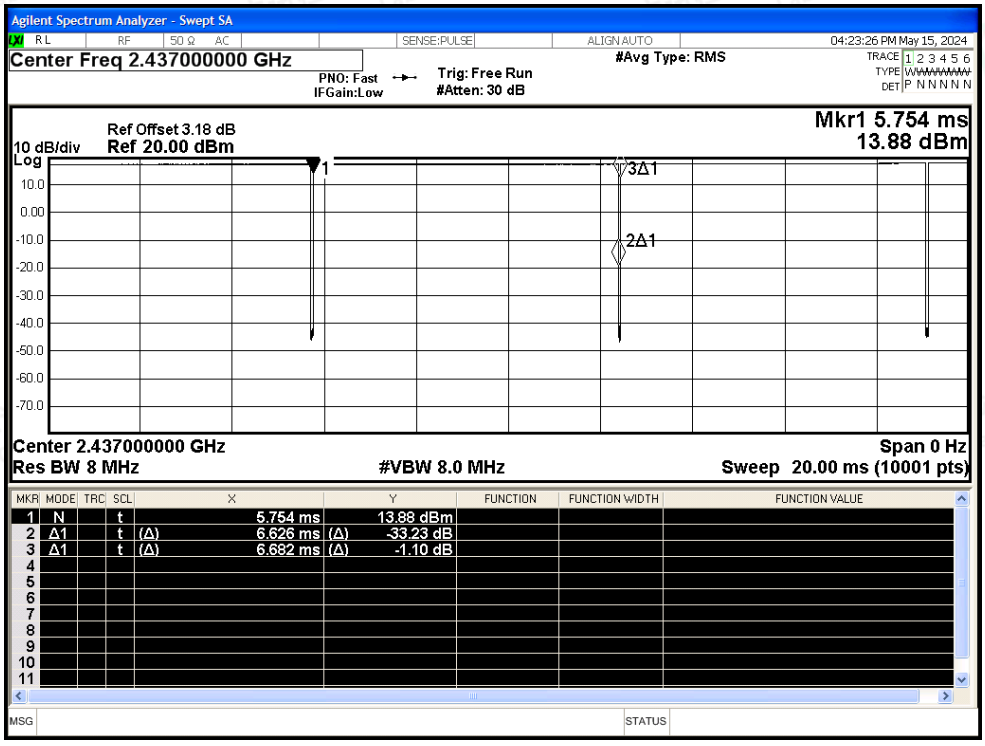
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.16	0	0.15
NVNT	b	2437	Ant1	99.16	0	0.15
NVNT	b	2462	Ant1	99.16	0	0.15
NVNT	g	2412	Ant1	97.04	0.13	0.49
NVNT	g	2437	Ant1	97.04	0.13	0.49
NVNT	g	2462	Ant1	97.04	0.13	0.49
NVNT	n20	2412	Ant1	97.05	0.13	0.49
NVNT	n20	2437	Ant1	96.96	0.13	0.49
NVNT	n20	2462	Ant1	96.96	0.13	0.49
NVNT	n40	2422	Ant1	94.17	0.26	1
NVNT	n40	2437	Ant1	94.16	0.26	1
NVNT	n40	2452	Ant1	90.3	0.44	1.73

Test Graphs

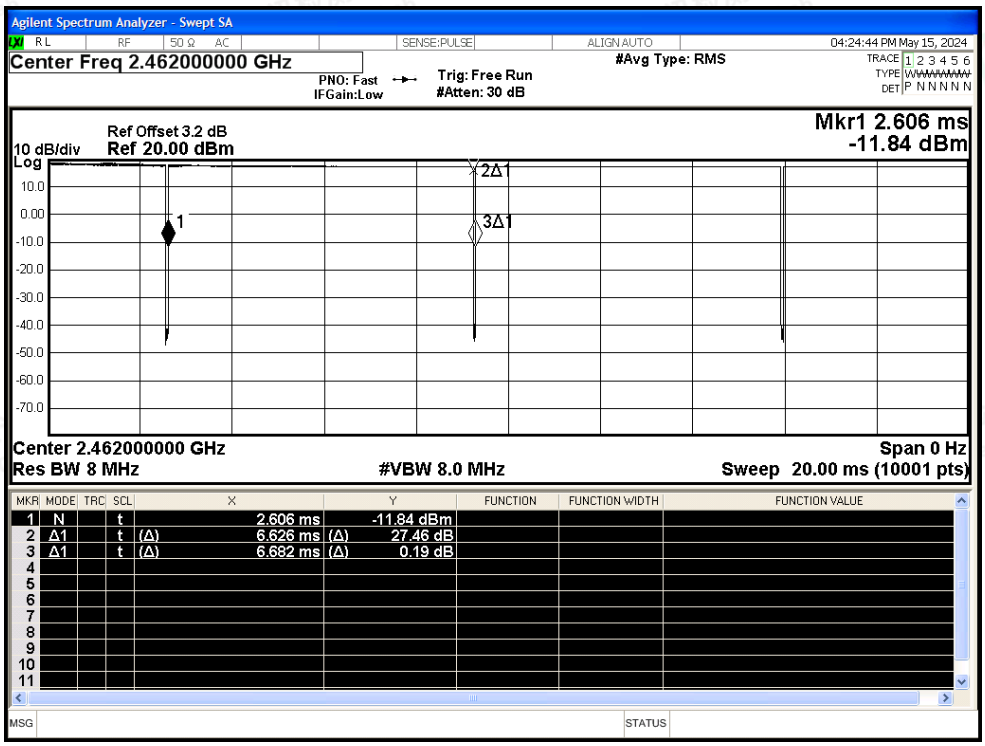
Duty Cycle NVNT b 2412MHz Ant1



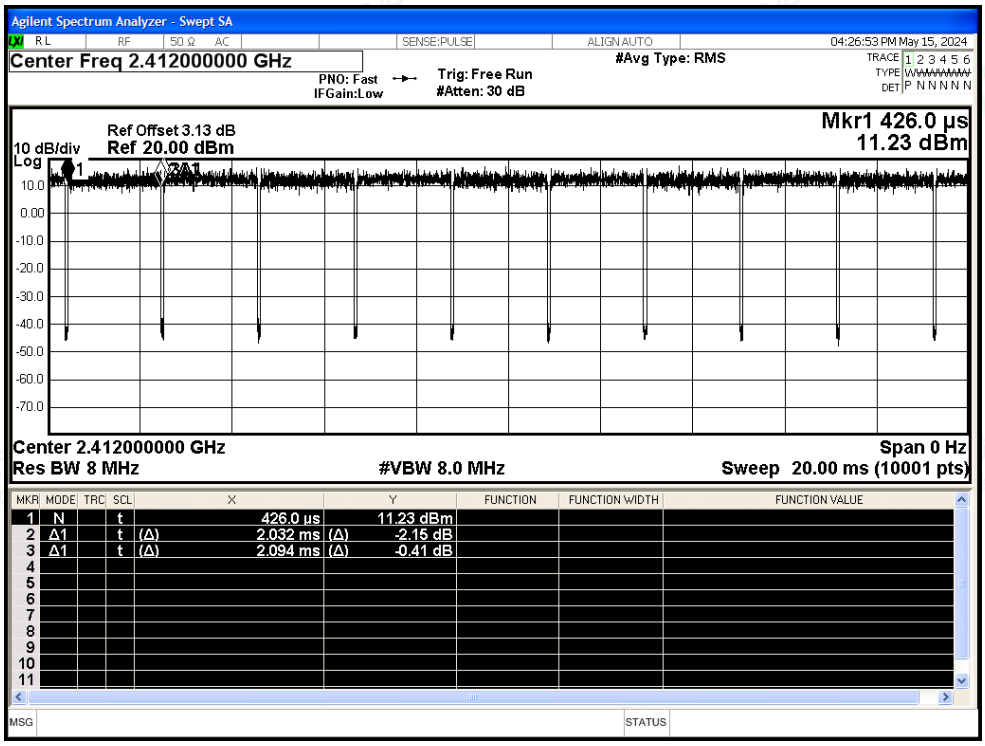
Duty Cycle NVNT b 2437MHz Ant1



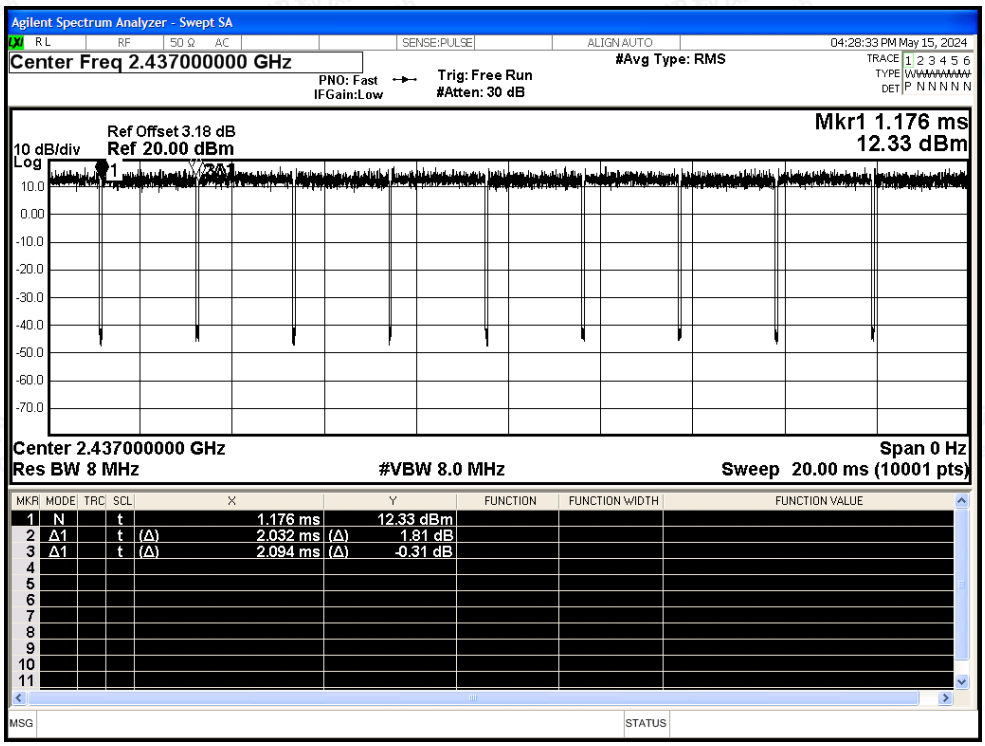
Duty Cycle NVNT b 2462MHz Ant1



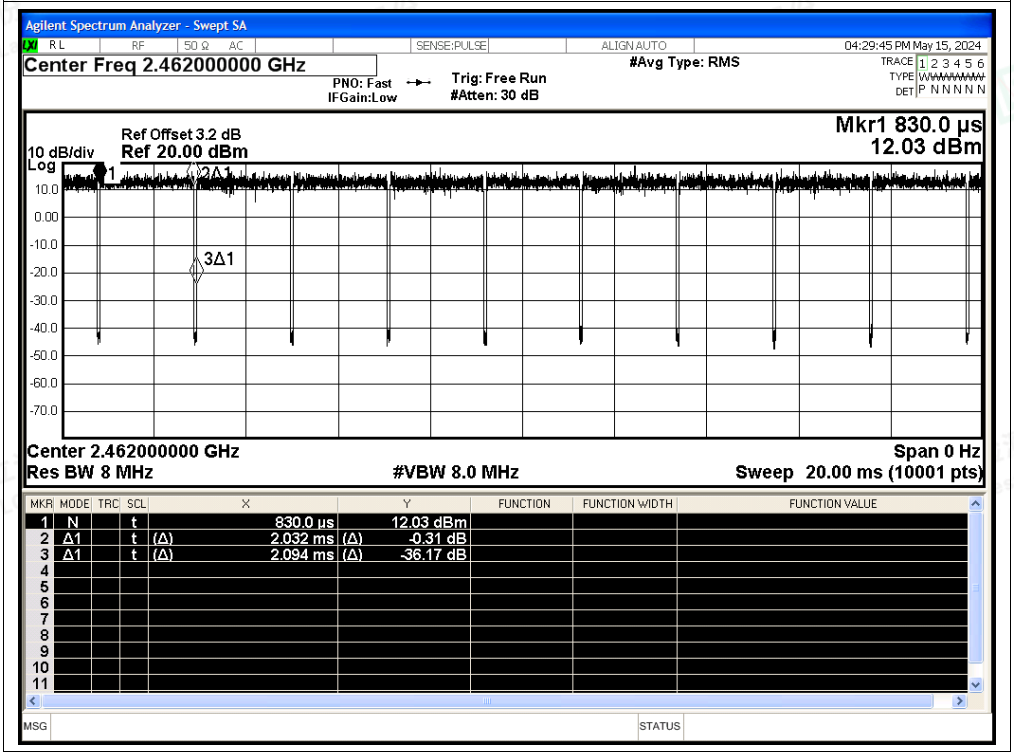
Duty Cycle NVNT g 2412MHz Ant1



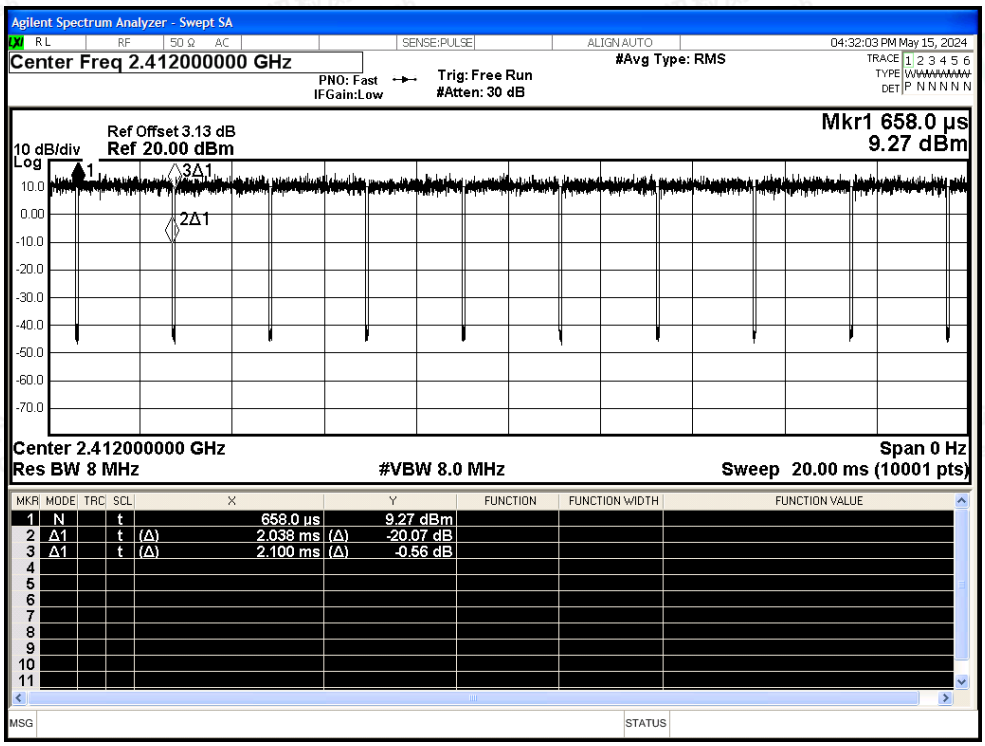
Duty Cycle NVNT g 2437MHz Ant1



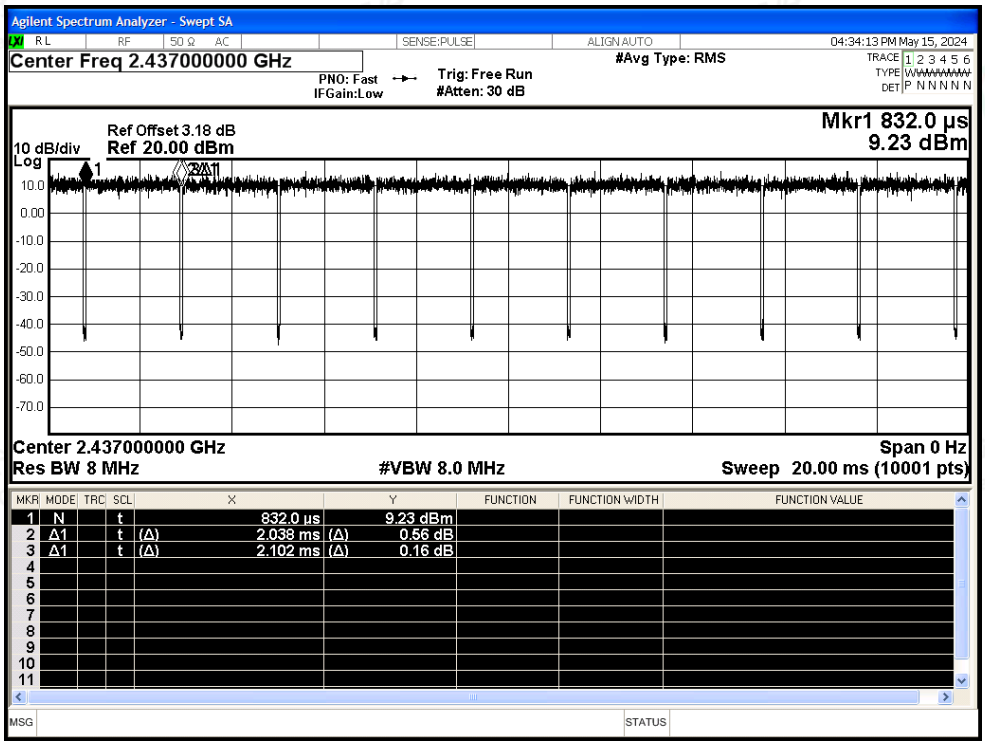
Duty Cycle NVNT g 2462MHz Ant1



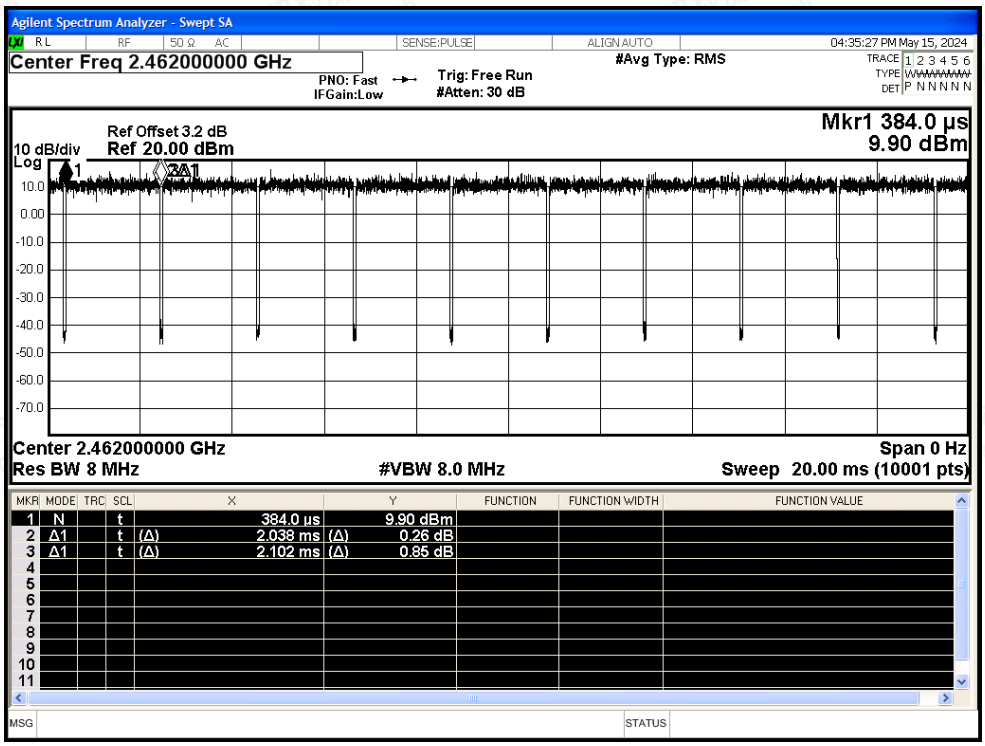
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1

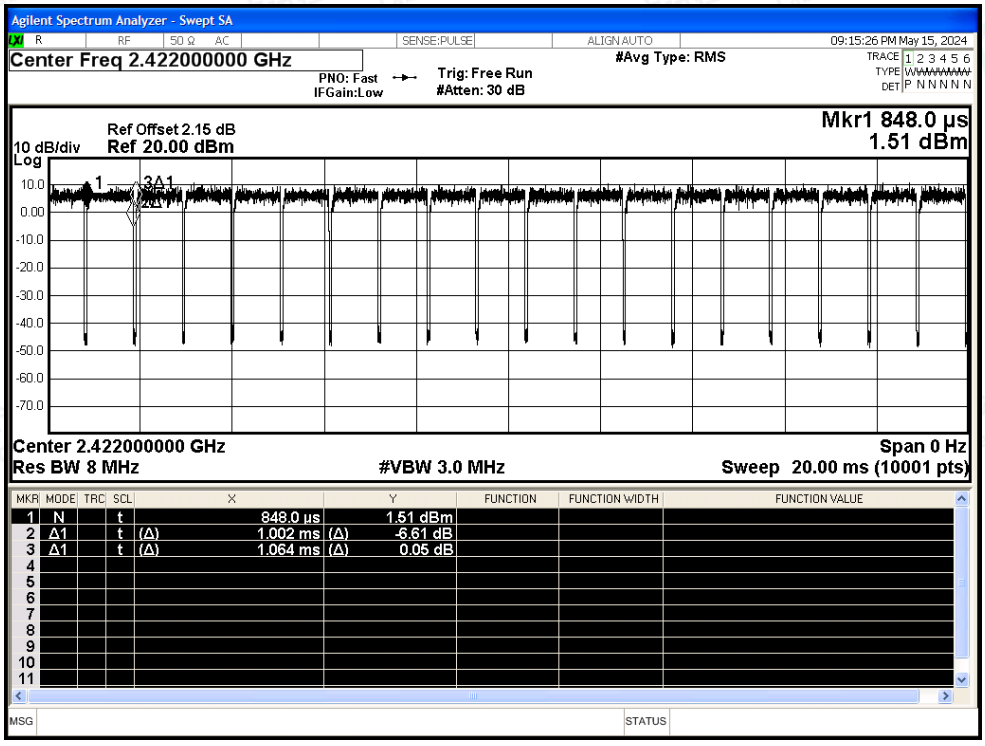


Duty Cycle NVNT n20 2462MHz Ant1

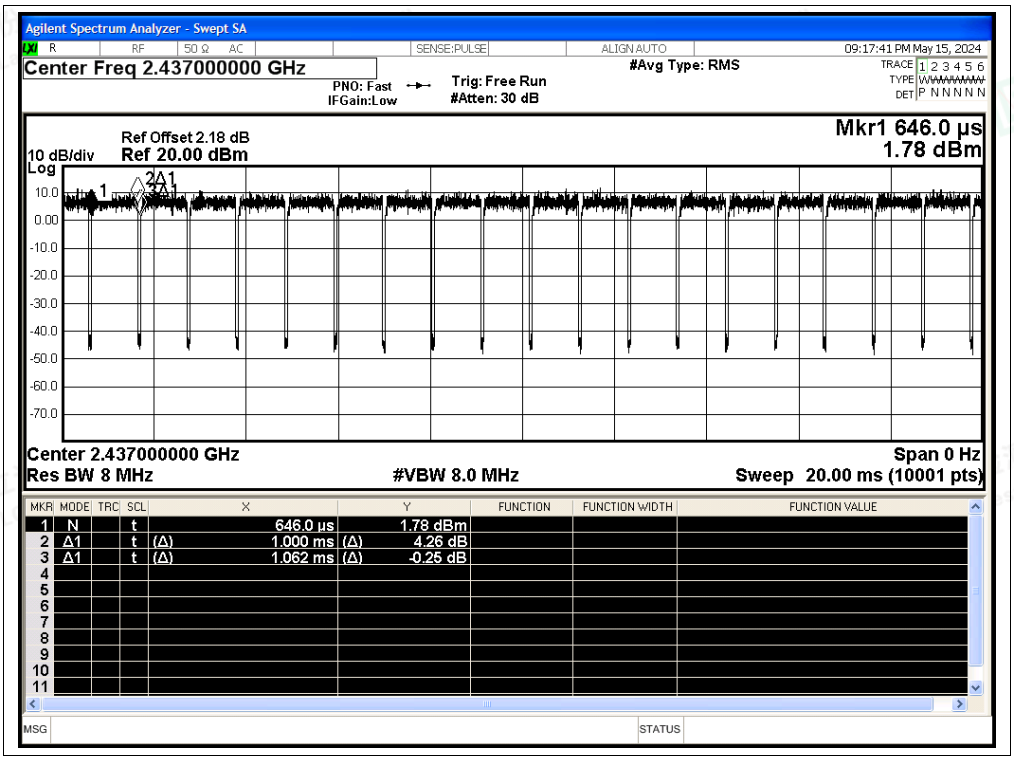


Test Graphs

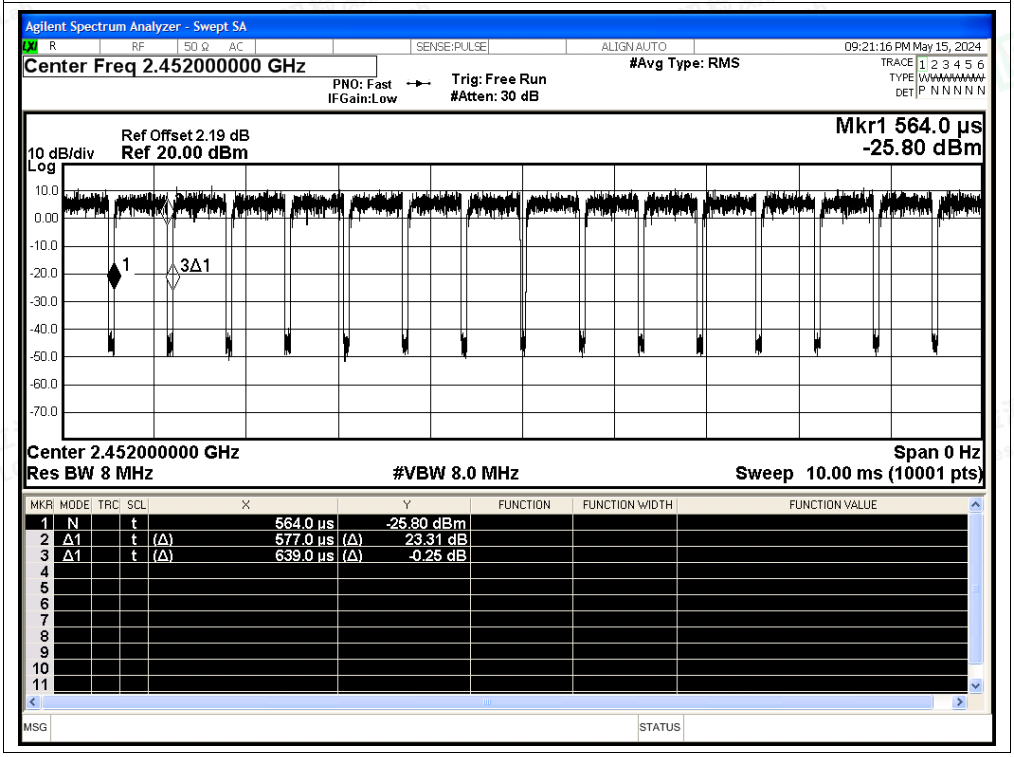
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
09:17:41 PM May 15, 2024
Ref Offset 2.18 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 646.0 µs
1.78 dBm
Center 2.437000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 20.00 ms (10001 pts)
1 N t 646.0 µs 1.78 dBm
2 Δ1 t (Δ) 1.000 ms (Δ) 4.26 dB
3 Δ1 t (Δ) 1.062 ms (Δ) -0.25 dB

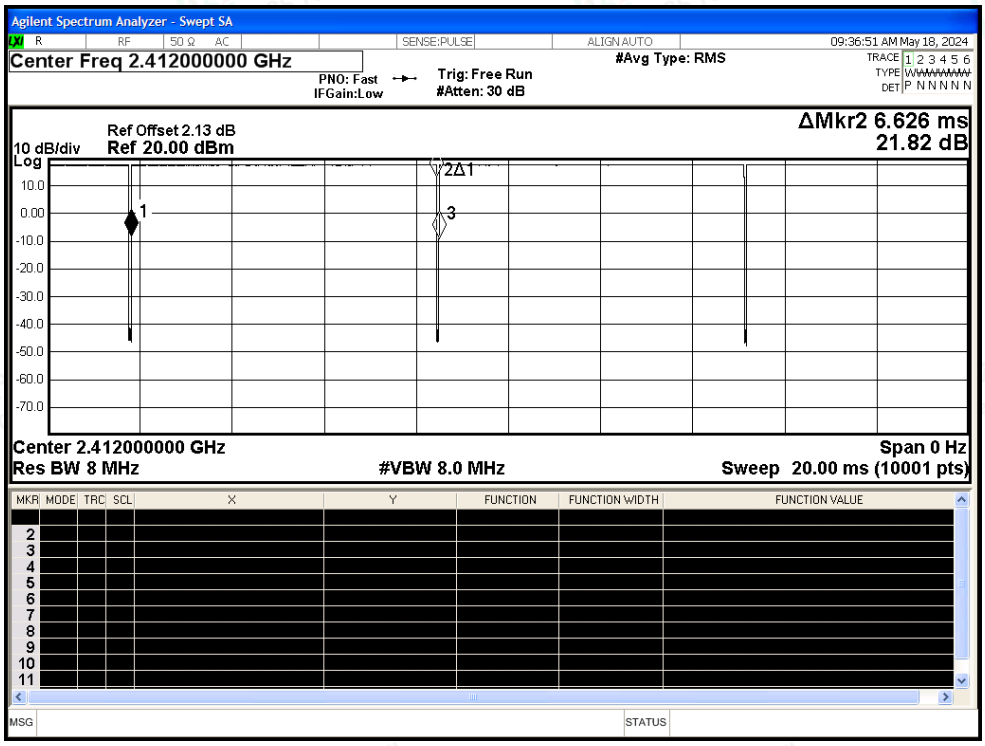
Duty Cycle NVNT n40 2452MHz Ant1



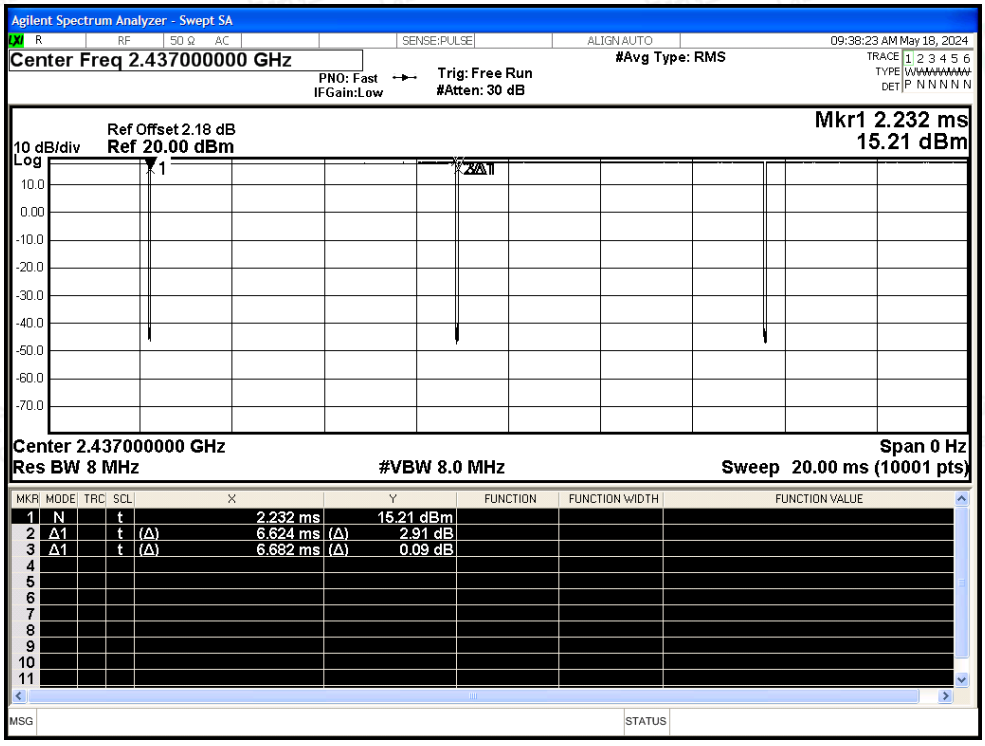
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant2	99.16	0	0.15
NVNT	b	2437	Ant2	99.13	0	0.15
NVNT	b	2462	Ant2	99.16	0	0.15
NVNT	g	2412	Ant2	97.75	0.1	0.37
NVNT	g	2437	Ant2	97.68	0.1	0.37
NVNT	g	2462	Ant2	97.75	0.1	0.37
NVNT	n20	2412	Ant2	97.25	0.12	0.44
NVNT	n20	2437	Ant2	97.33	0.12	0.44
NVNT	n20	2462	Ant2	97.25	0.12	0.44
NVNT	n40	2422	Ant2	97.23	0.12	0.46
NVNT	n40	2437	Ant2	97.23	0.12	0.46
NVNT	n40	2452	Ant2	97.23	0.12	0.46

Test Graphs

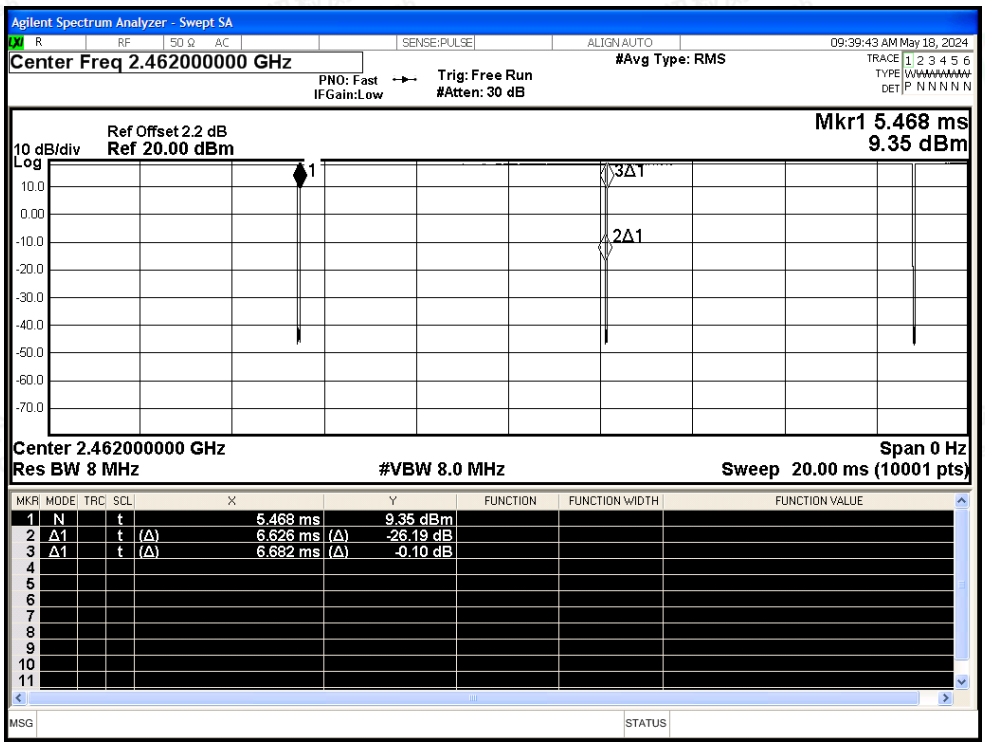
Duty Cycle NVNT b 2412MHz Ant2



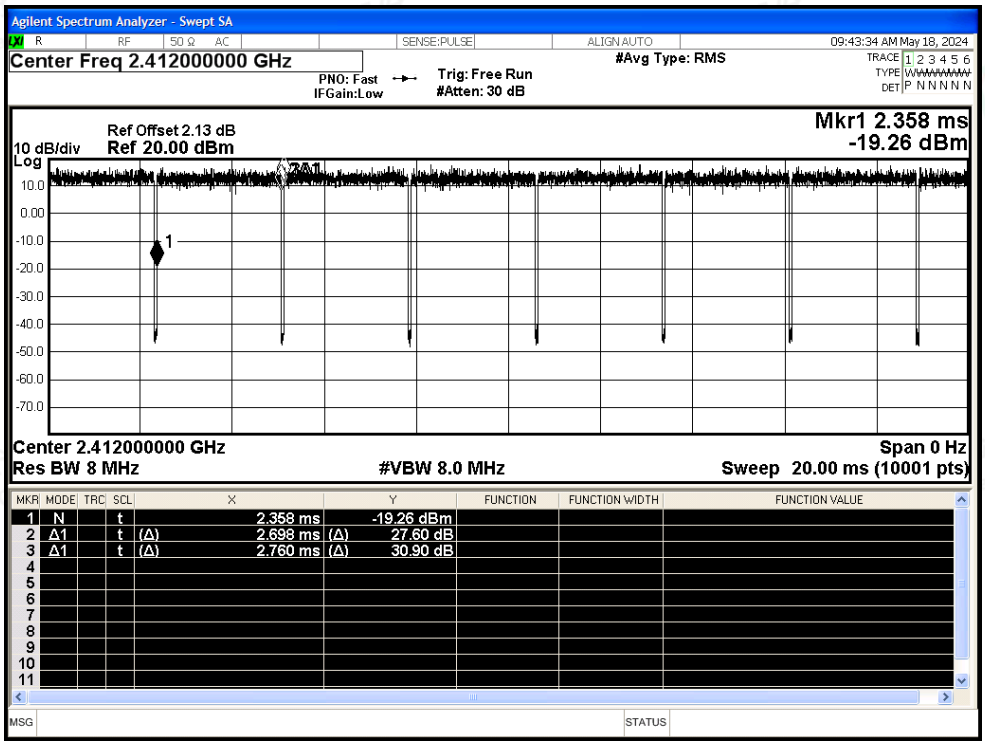
Duty Cycle NVNT b 2437MHz Ant2



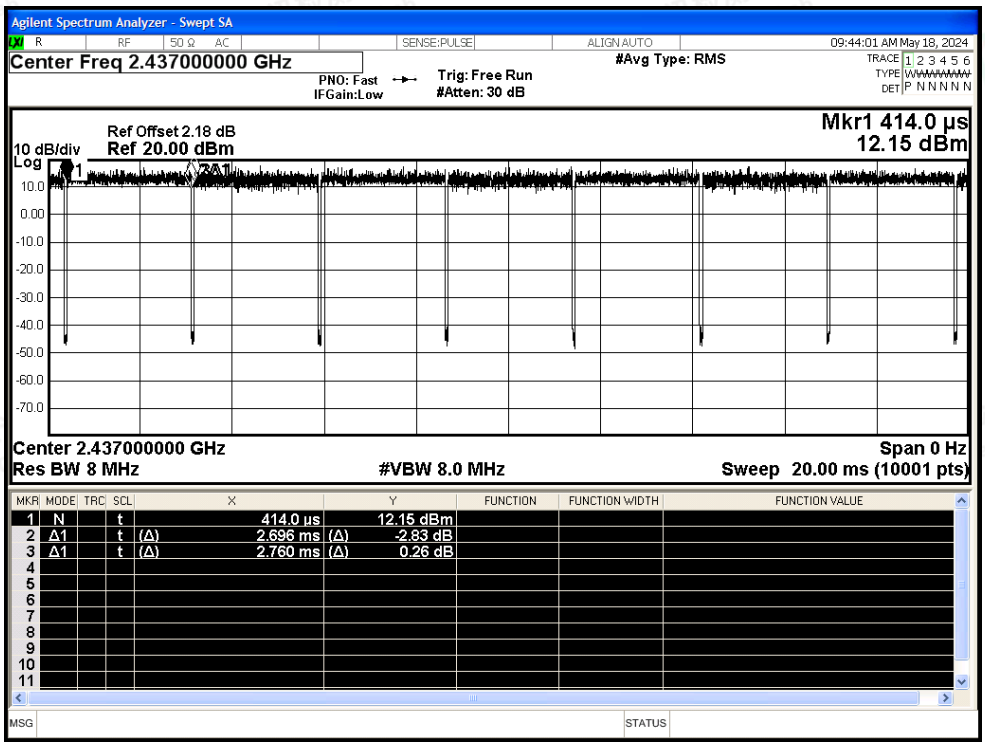
Duty Cycle NVNT b 2462MHz Ant2



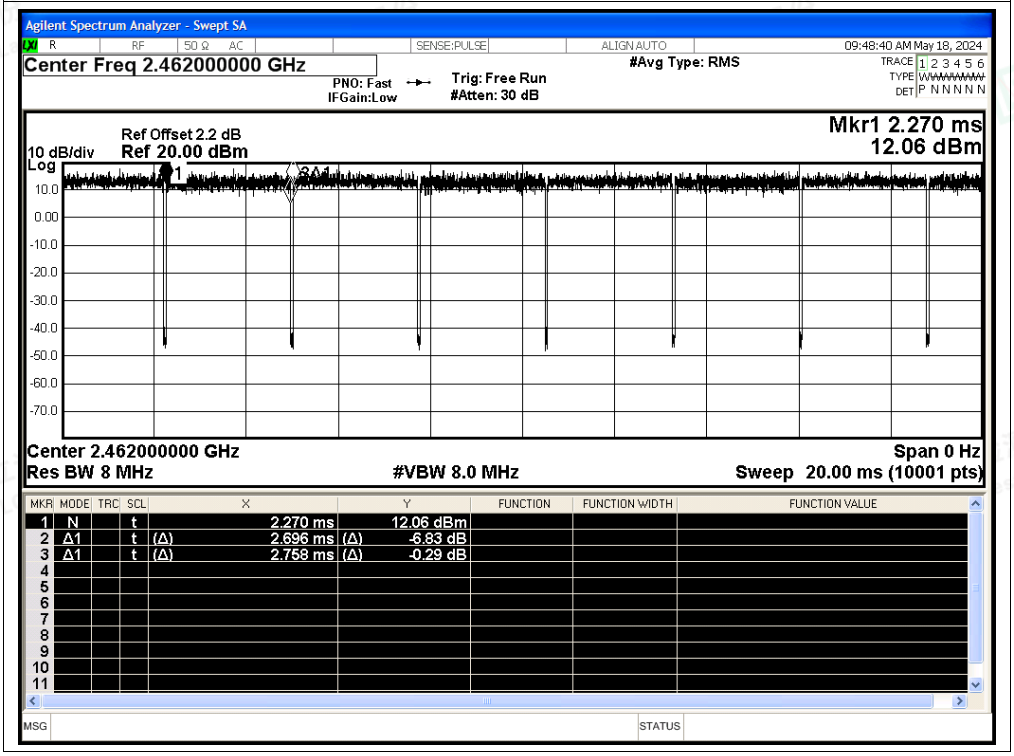
Duty Cycle NVNT g 2412MHz Ant2



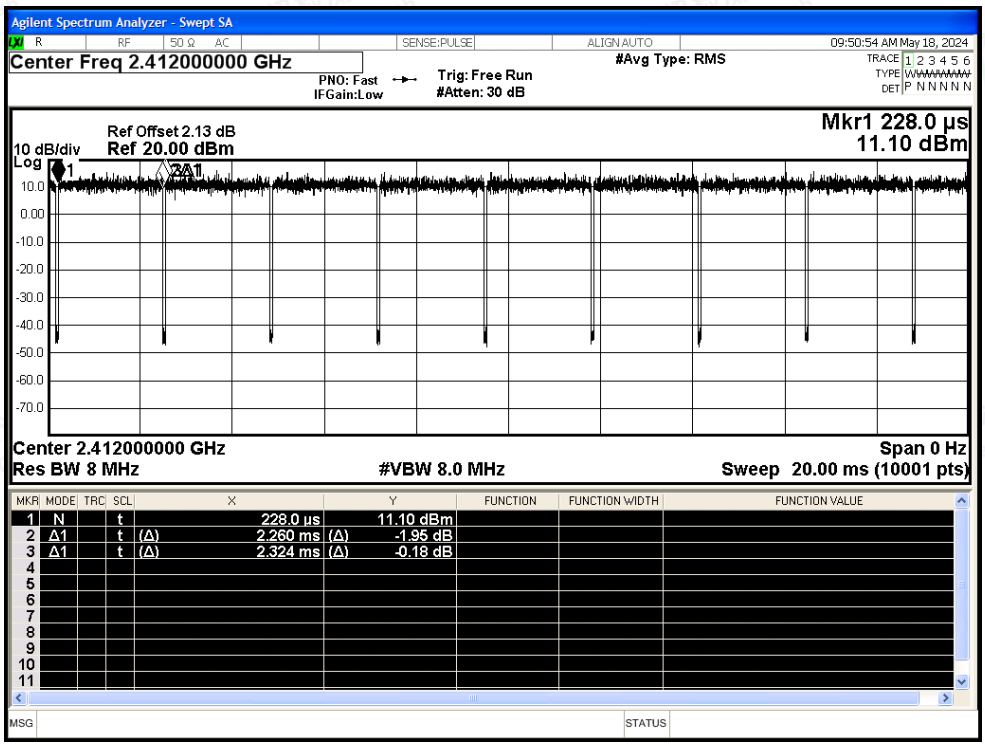
Duty Cycle NVNT g 2437MHz Ant2



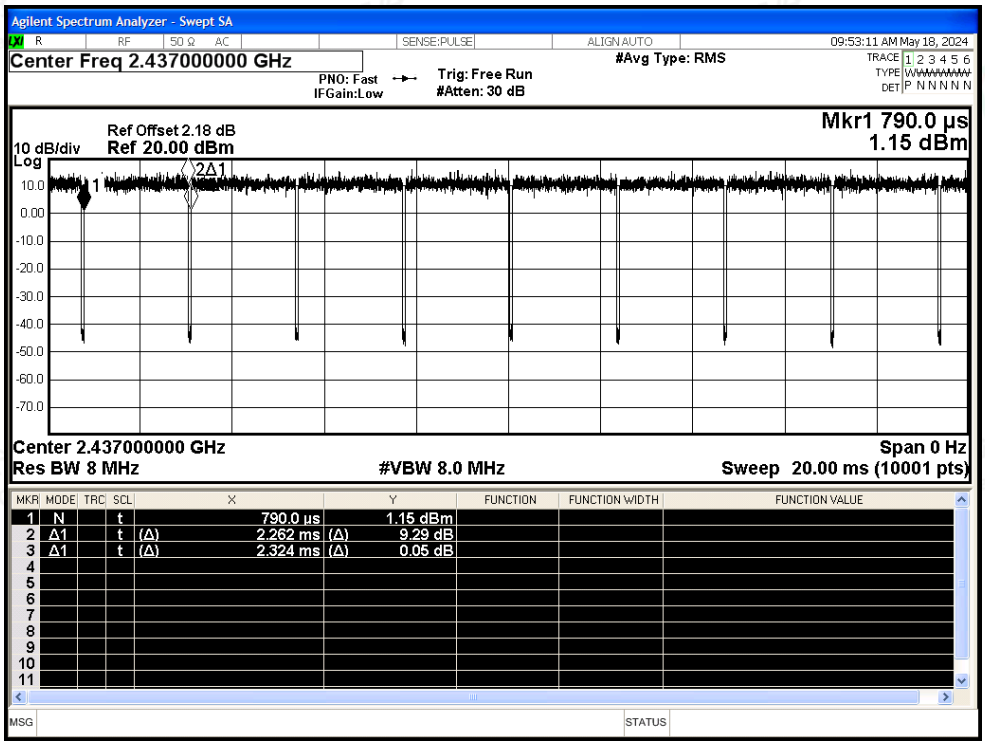
Duty Cycle NVNT g 2462MHz Ant2



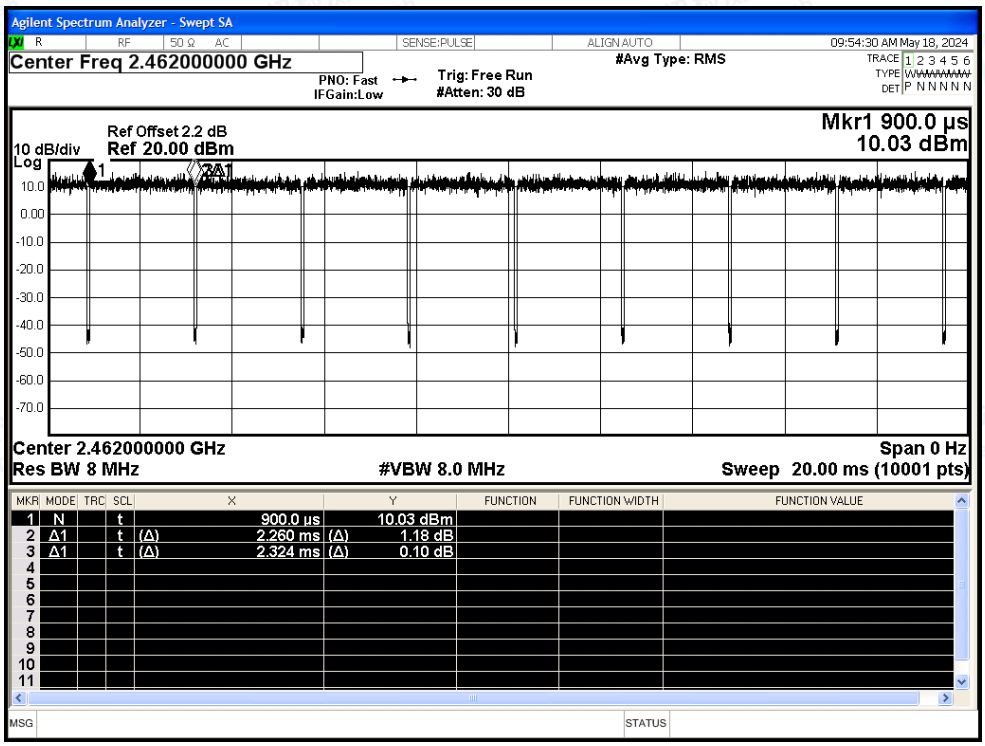
Duty Cycle NVNT n20 2412MHz Ant2



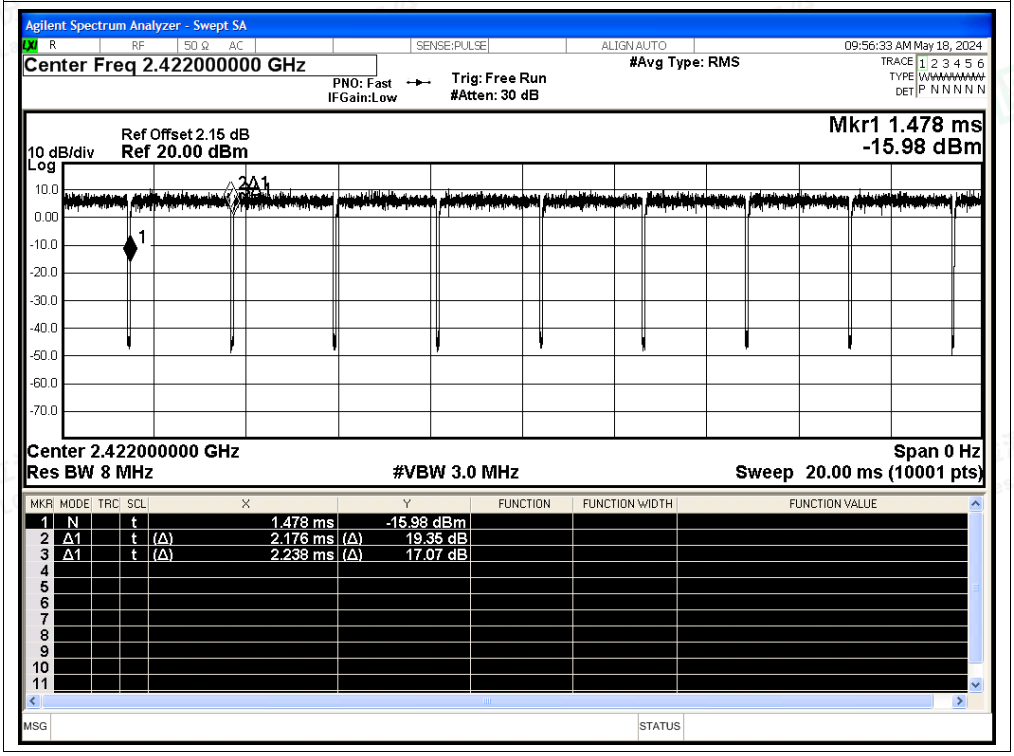
Duty Cycle NVNT n20 2437MHz Ant2



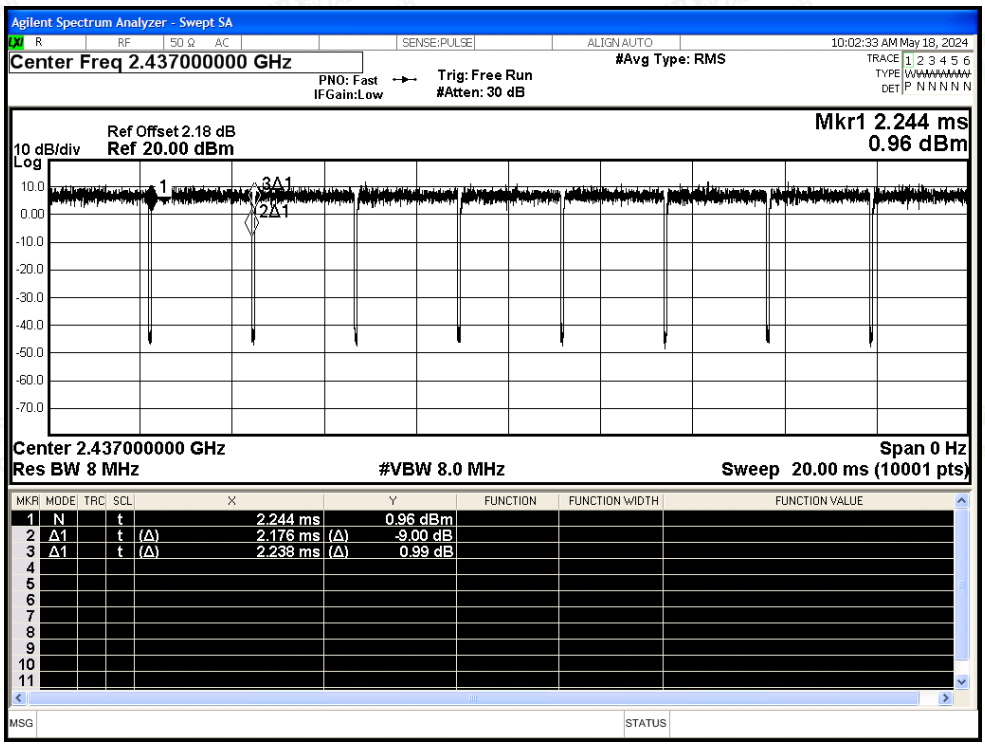
Duty Cycle NVNT n20 2462MHz Ant2



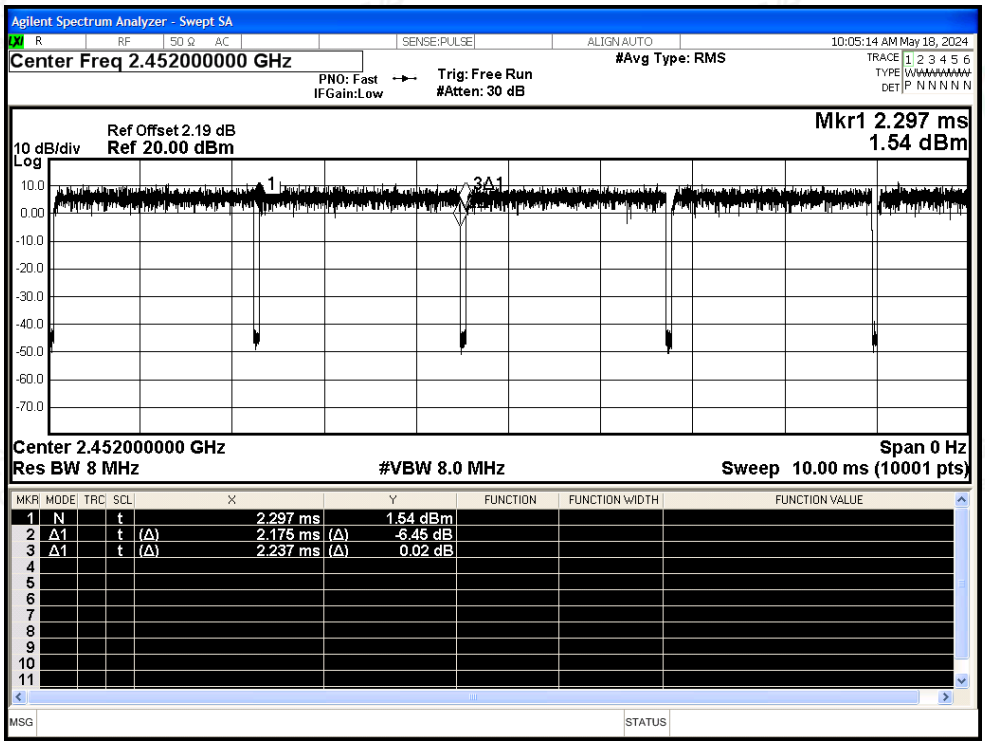
Duty Cycle NVNT n40 2422MHz Ant2



Duty Cycle NVNT n40 2437MHz Ant2



Duty Cycle NVNT n40 2452MHz Ant2



C.7 Restrict Band

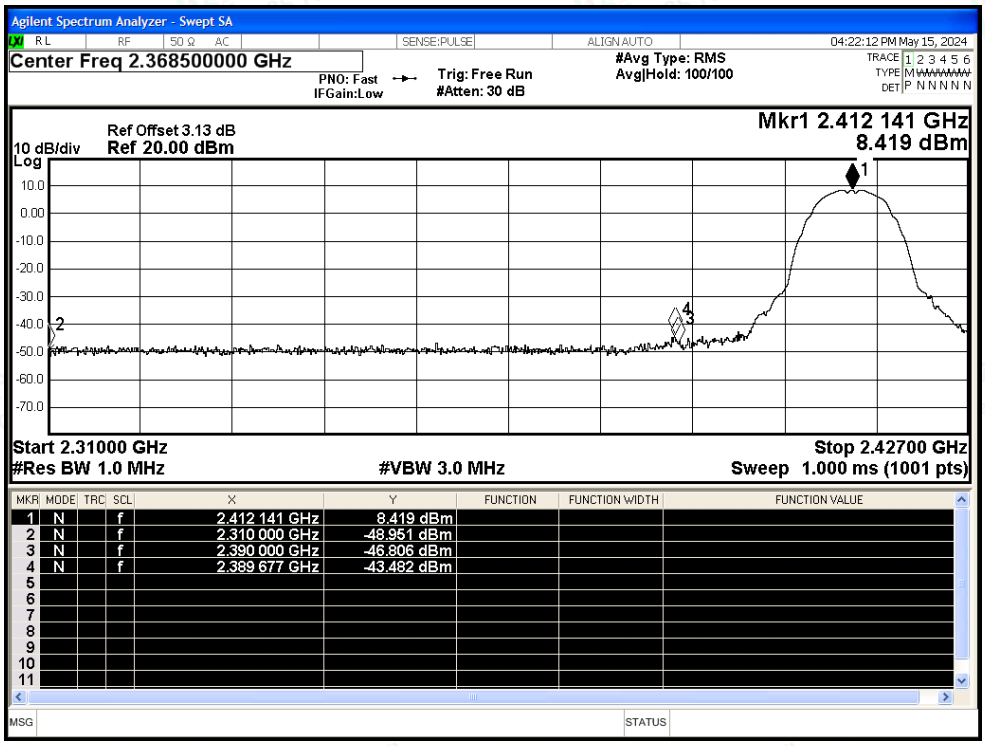
Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	2310	-48.95	2	-	48.31	Peak	74	Pass
NVNT	b	2412	2310	-57.62	2	0	39.64	Average	54	Pass
NVNT	b	2412	2389.677	-43.48	2	-	53.78	Peak	74	Pass
NVNT	b	2412	2389.56	-54.63	2	0	42.63	Average	54	Pass
NVNT	b	2412	2390	-46.81	2	-	50.45	Peak	74	Pass
NVNT	b	2412	2390	-55.46	2	0	41.8	Average	54	Pass
NVNT	b	2462	2483.5	-47.52	2	-	49.74	Peak	74	Pass
NVNT	b	2462	2483.5	-53.98	2	0	43.28	Average	54	Pass
NVNT	b	2462	2485.796	-39.66	2	-	57.6	Peak	74	Pass
NVNT	b	2462	2483.57	-53.79	2	0	43.47	Average	54	Pass
NVNT	b	2462	2500	-48.72	2	-	48.54	Peak	74	Pass
NVNT	b	2462	2500	-56.94	2	0	40.32	Average	54	Pass
NVNT	g	2412	2310	-50.12	2	-	47.14	Peak	74	Pass
NVNT	g	2412	2310	-58.23	2	0.13	39.16	Average	54	Pass
NVNT	g	2412	2388.624	-37.06	2	-	60.2	Peak	74	Pass
NVNT	g	2412	2389.326	-51.14	2	0.13	46.25	Average	54	Pass
NVNT	g	2412	2390	-33.48	2	-	63.78	Peak	74	Pass
NVNT	g	2412	2390	-52.36	2	0.13	45.03	Average	54	Pass
NVNT	g	2462	2483.5	-34.1	2	-	63.16	Peak	74	Pass
NVNT	g	2462	2483.5	-49.9	2	0.13	47.49	Average	54	Pass
NVNT	g	2462	2483.729	-30.09	2	-	67.17	Peak	74	Pass
NVNT	g	2462	2483.517	-49.9	2	0.13	47.49	Average	54	Pass
NVNT	g	2462	2500	-49.58	2	-	47.68	Peak	74	Pass
NVNT	g	2462	2500	-56.68	2	0.13	40.71	Average	54	Pass
NVNT	n20mimo	2412	2310	-49.75	2	-	47.51	Peak	74	Pass
NVNT	n20mimo	2412	2310	-57.4	2	0.13	39.99	Average	54	Pass
NVNT	n20mimo	2412	2389.209	-34.52	2	-	62.74	Peak	74	Pass
NVNT	n20mimo	2412	2389.443	-52.82	2	0.13	44.57	Average	54	Pass
NVNT	n20mimo	2412	2390	-37.21	2	-	60.05	Peak	74	Pass
NVNT	n20mimo	2412	2390	-52.9	2	0.13	44.49	Average	54	Pass
NVNT	n20mimo	2462	2483.5	-32.9	2	-	64.36	Peak	74	Pass
NVNT	n20mimo	2462	2483.5	-51.41	2	0.13	45.98	Average	54	Pass
NVNT	n20mimo	2462	2483.517	-32.9	2	-	64.36	Peak	74	Pass
NVNT	n20mimo	2462	2483.729	-50.18	2	0.13	47.21	Average	54	Pass
NVNT	n20mimo	2462	2500	-48.61	2	-	48.65	Peak	74	Pass
NVNT	n20mimo	2462	2500	-57.24	2	0.13	40.15	Average	54	Pass
NVNT	n40mimo	2422	2310	-50.44	2	-	46.82	Peak	74	Pass

NVNT	n40mimo	2422	2310	-58.76	2	0.26	38.76	Average	54	Pass
NVNT	n40mimo	2422	2388.81	-35.97	2	-	61.29	Peak	74	Pass
NVNT	n40mimo	2422	2389.946	-51.71	2	0.26	45.81	Average	54	Pass
NVNT	n40mimo	2422	2390	-42.99	2	-	54.27	Peak	74	Pass
NVNT	n40mimo	2422	2390	-51.71	2	0.26	45.81	Average	54	Pass
NVNT	n40mimo	2452	2483.5	-40.8	2	-	56.46	Peak	74	Pass
NVNT	n40mimo	2452	2483.5	-53.26	2	0.44	44.44	Average	54	Pass
NVNT	n40mimo	2452	2484.01	-34.52	2	-	62.74	Peak	74	Pass
NVNT	n40mimo	2452	2483.62	-52.36	2	0.44	45.34	Average	54	Pass
NVNT	n40mimo	2452	2500	-49.48	2	-	47.78	Peak	74	Pass
NVNT	n40mimo	2452	2500	-57.8	2	0.44	39.9	Average	54	Pass

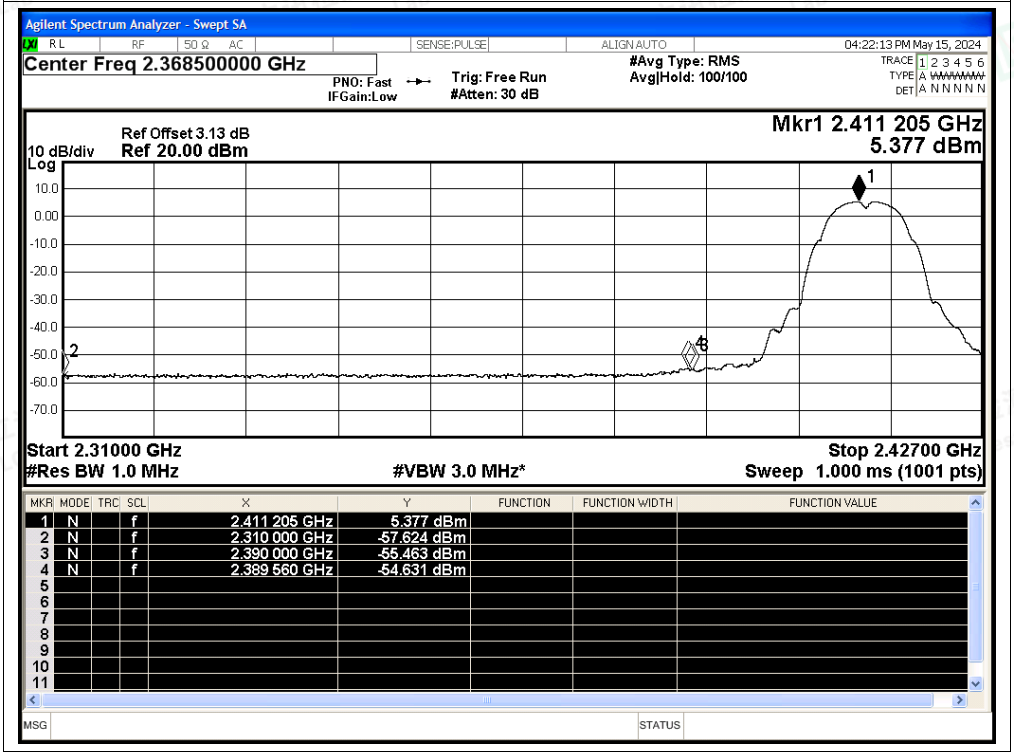
Note：802.11b and 802.11g mode, only show the worst set of antenna1 data.

Test Graphs

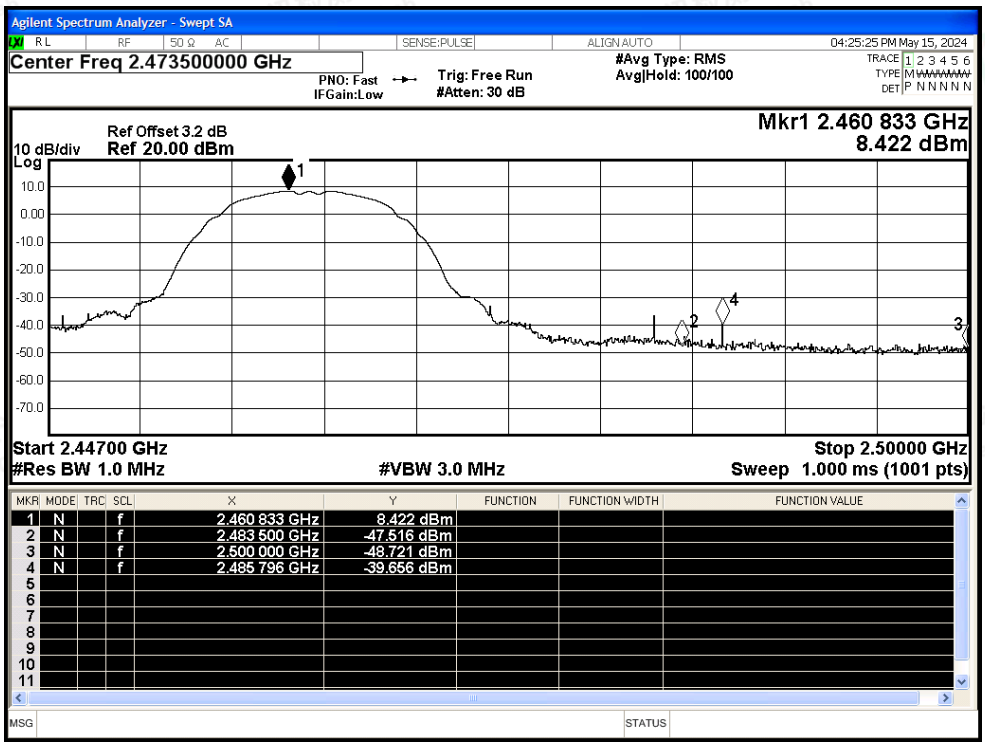
Restrict Band NVNT b 2412MHz Peak



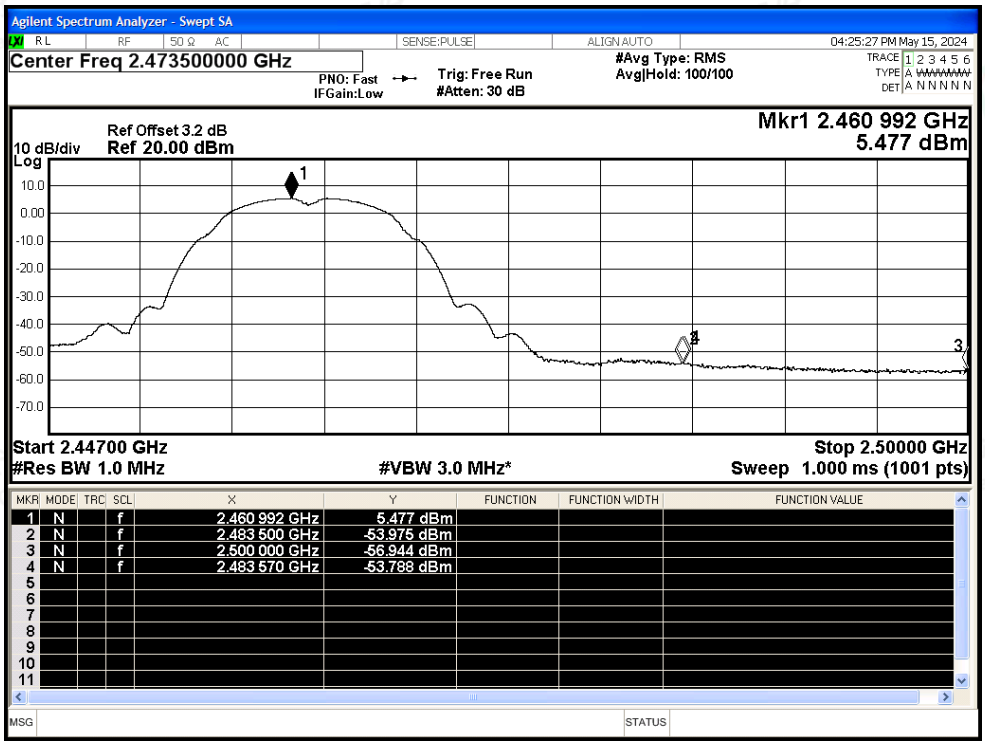
Restrict Band NVNT b 2412MHz Average



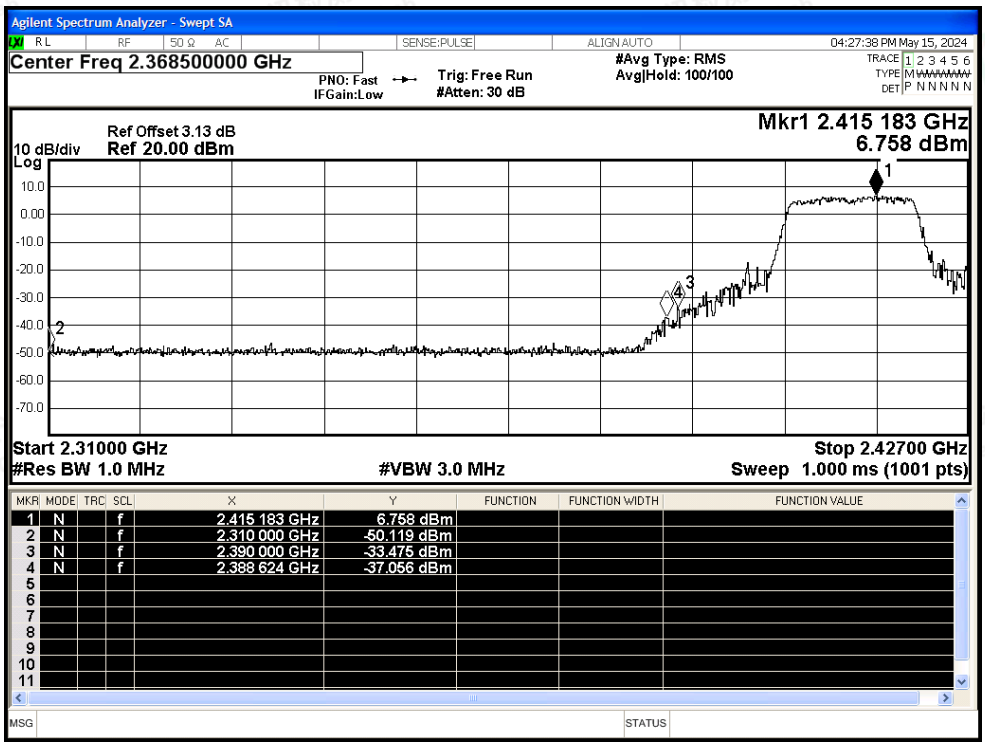
Restrict Band NVNT b 2462MHz Peak



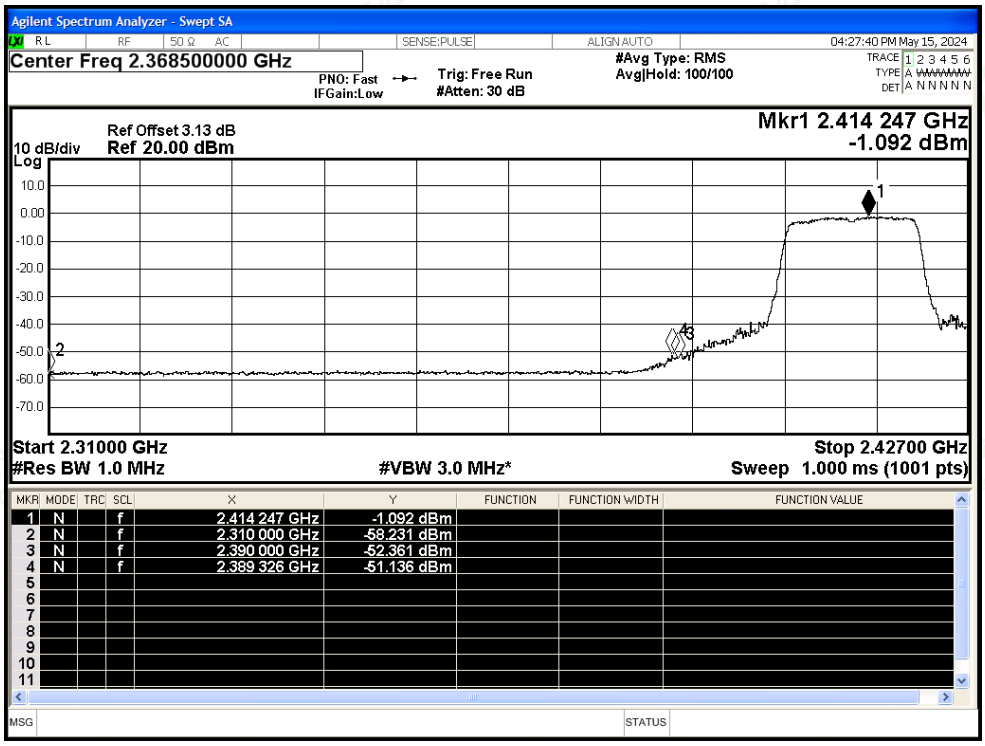
Restrict Band NVNT b 2462MHz Average



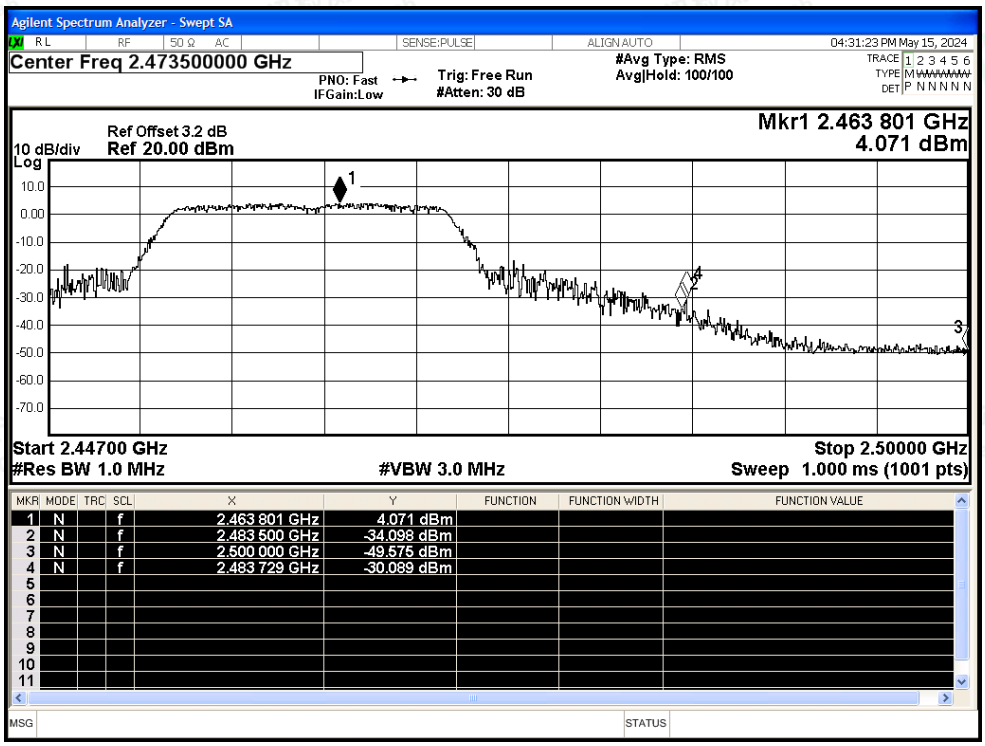
Restrict Band NVNT g 2412MHz Peak



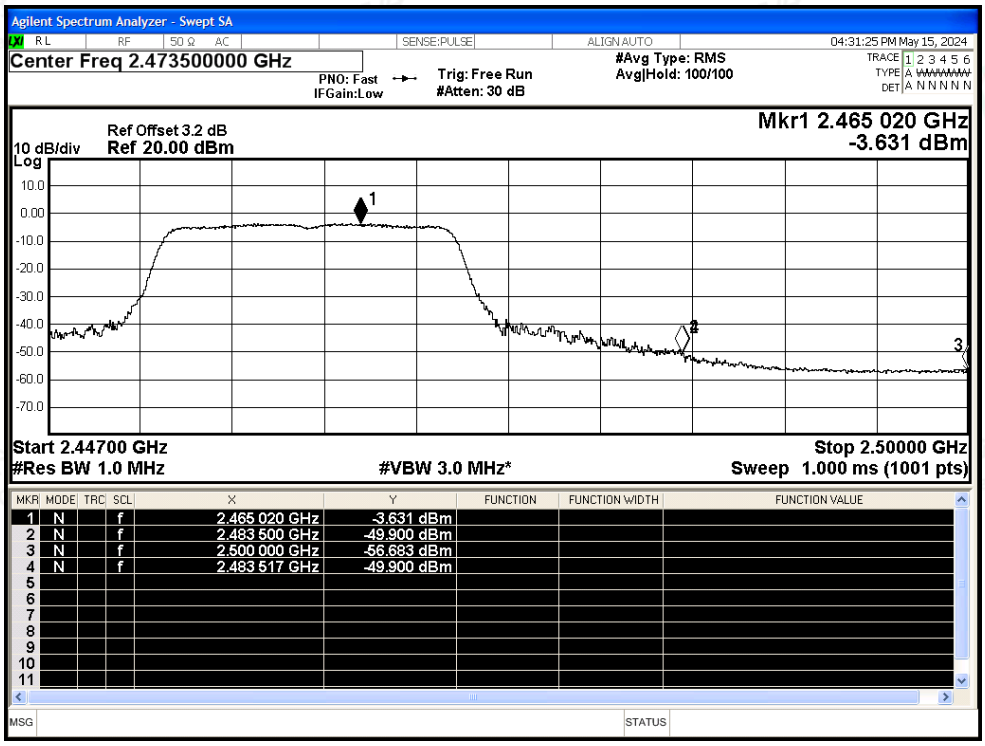
Restrict Band NVNT g 2412MHz Average



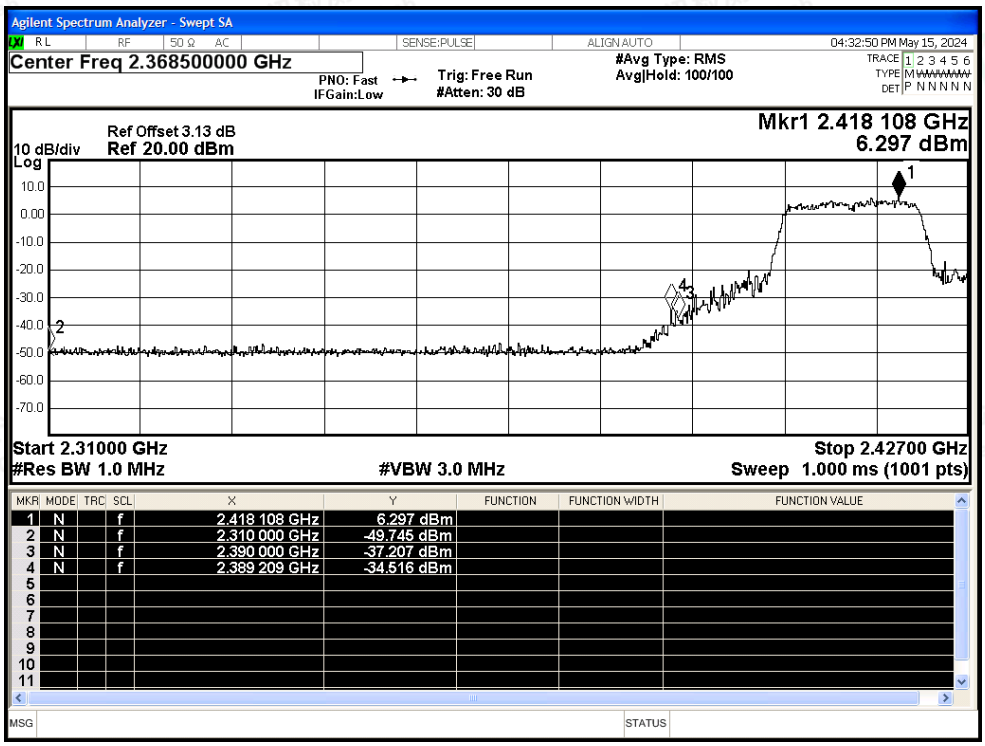
Restrict Band NVNT g 2462MHz Peak



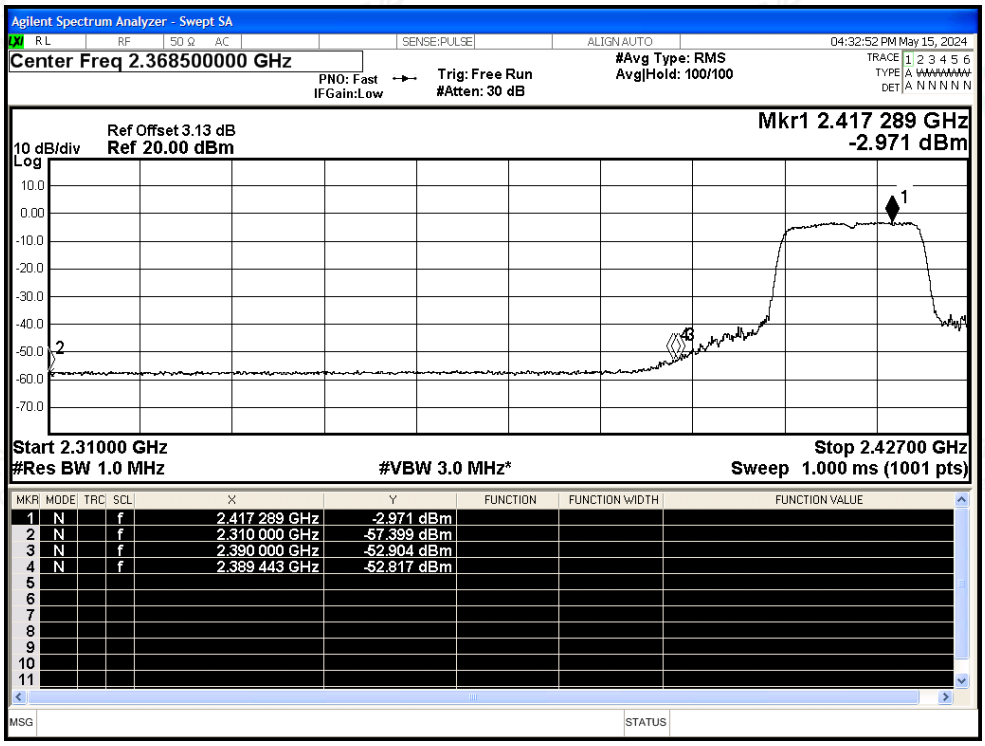
Restrict Band NVNT g 2462MHz Average



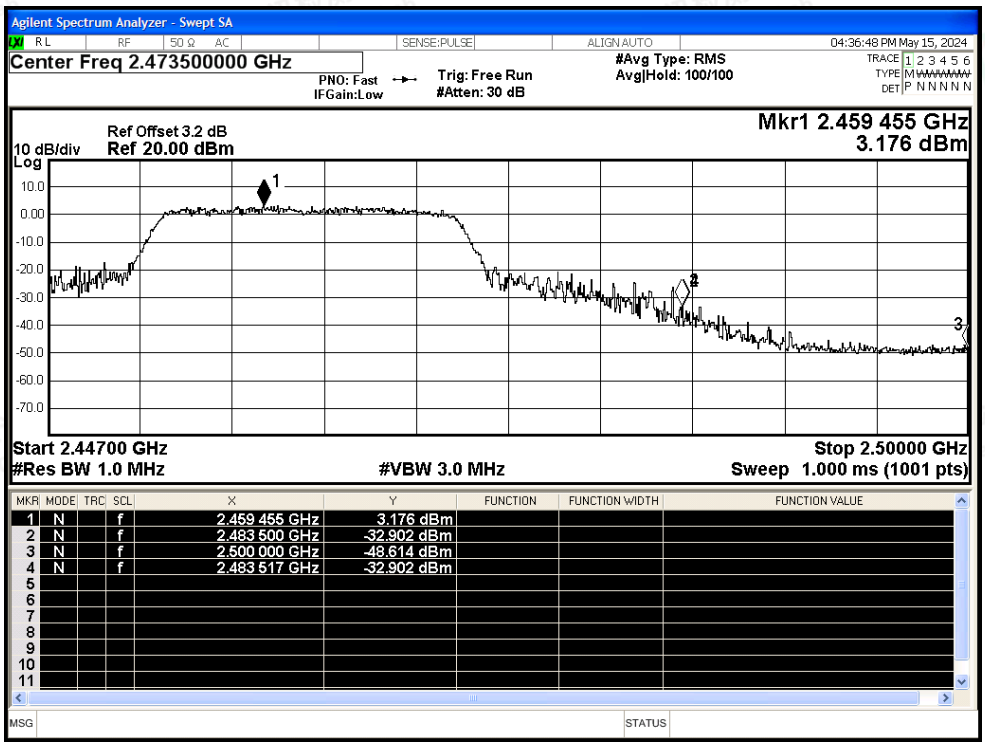
Restrict Band NVNT n20 2412MHz Peak



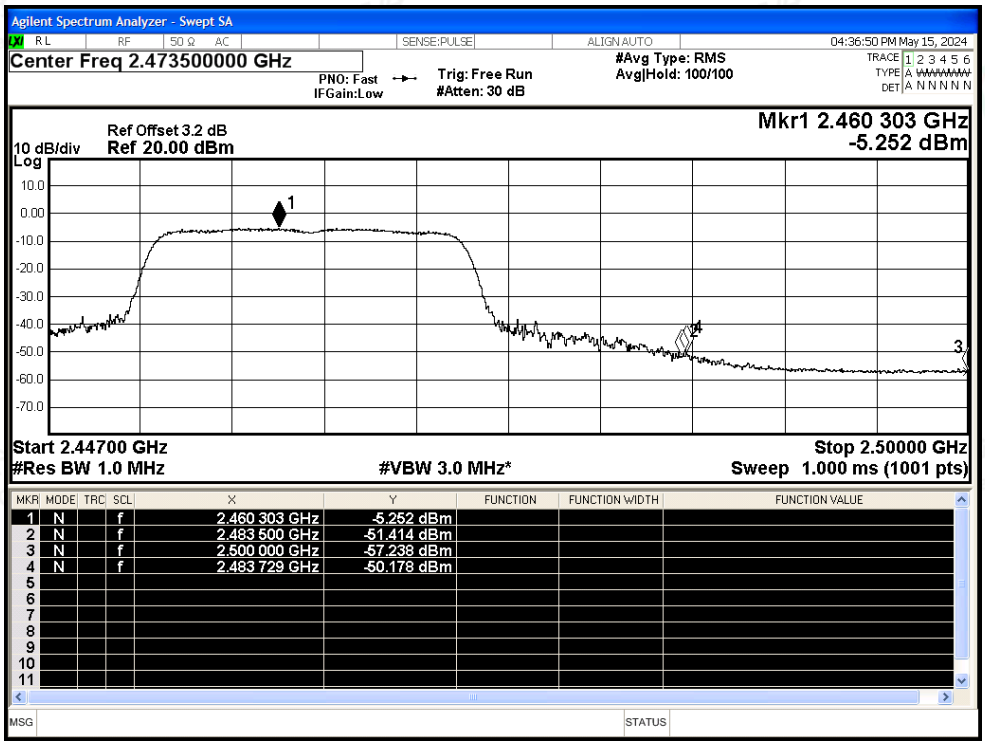
Restrict Band NVNT n20 2412MHz Average



Restrict Band NVNT n20 2462MHz Peak

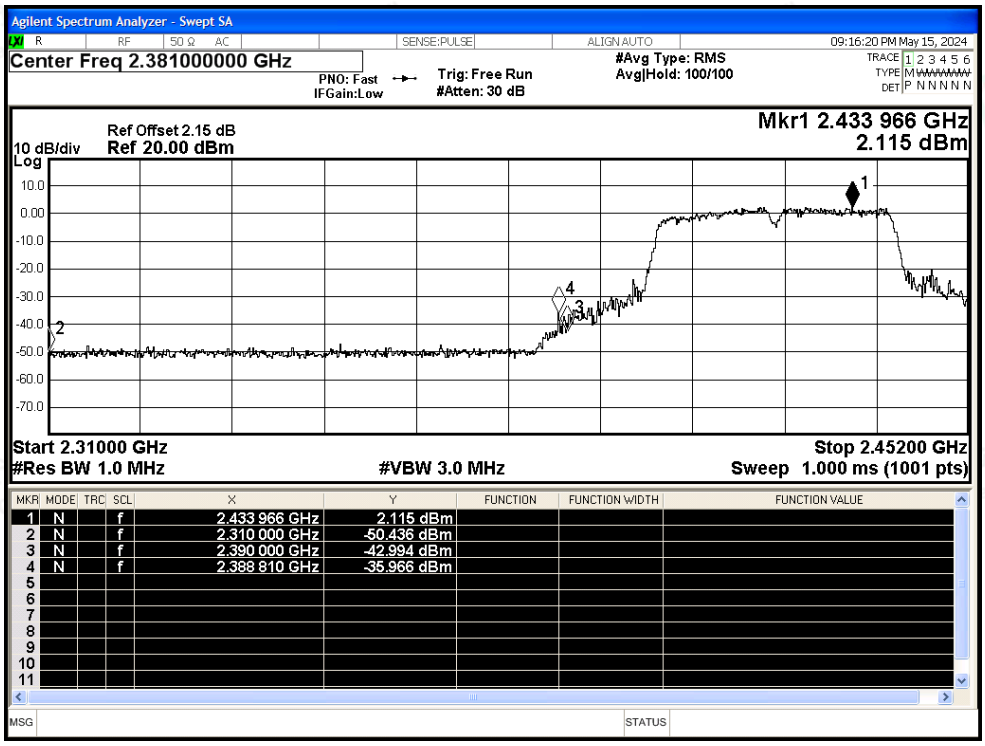


Restrict Band NVNT n20 2462MHz Average

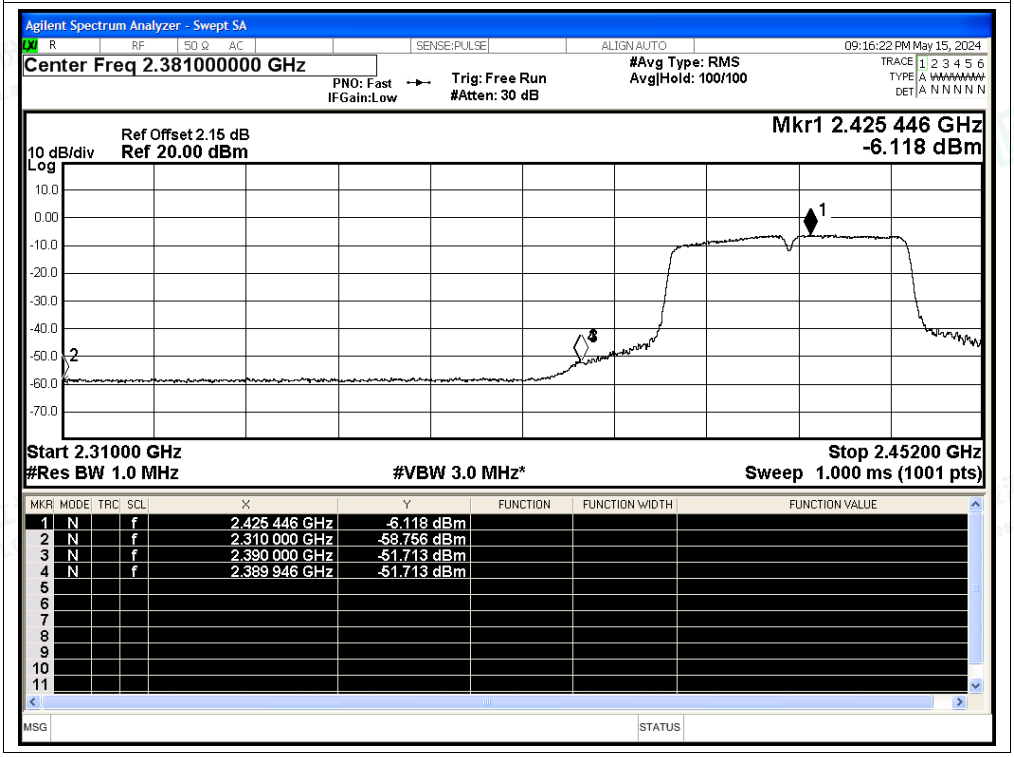


Test Graphs

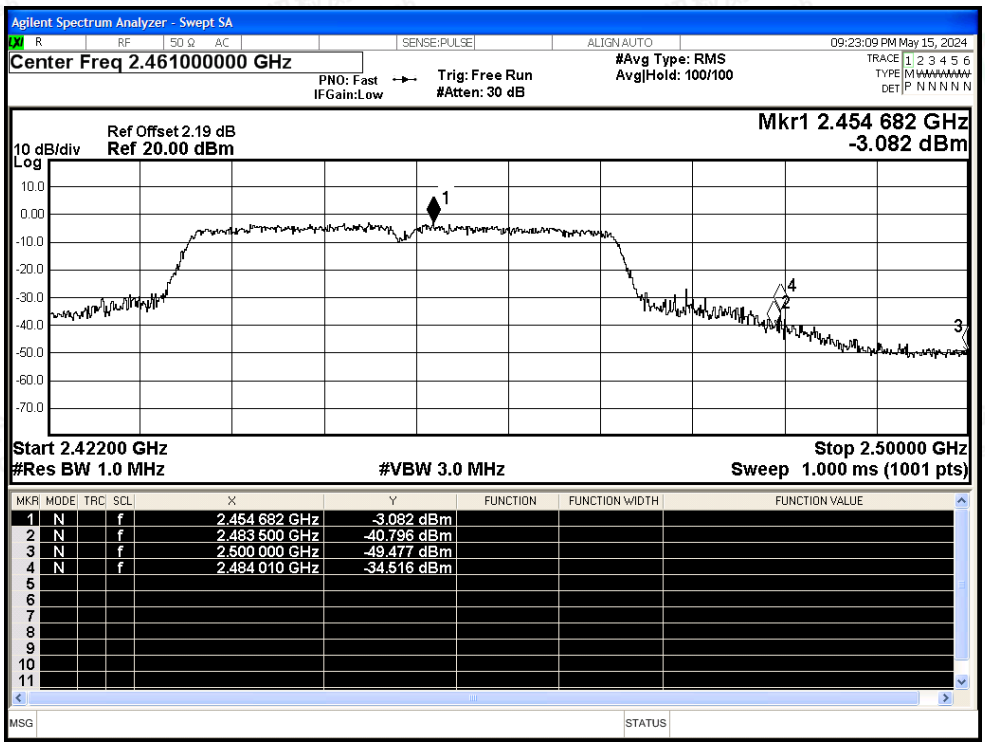
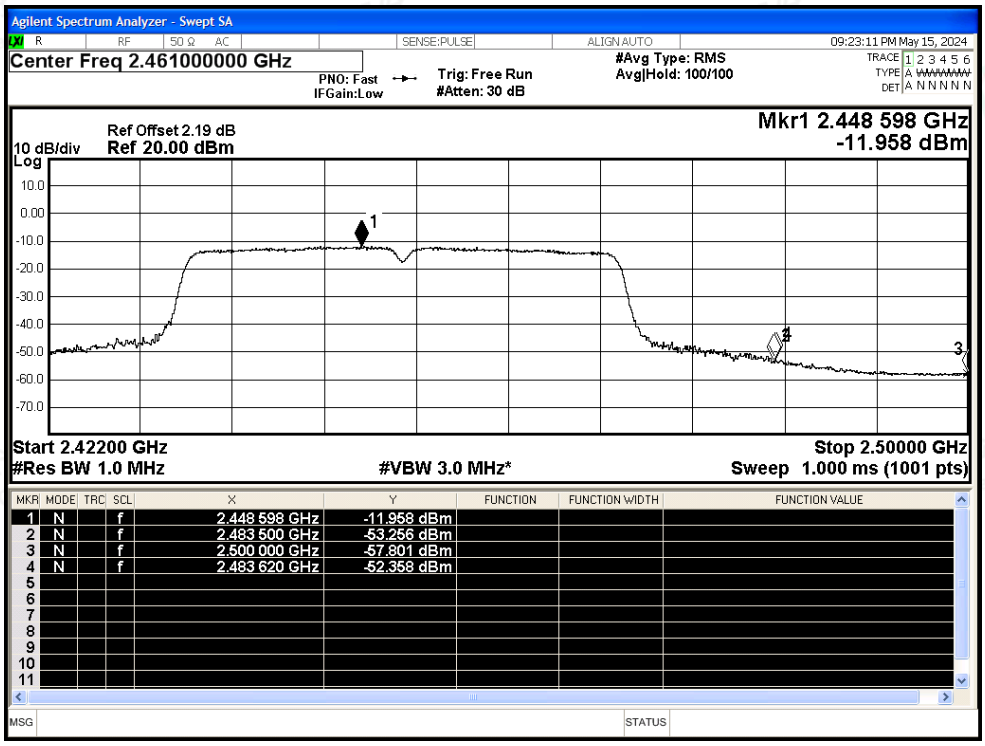
Restrict Band NVNT n40 2422MHz Peak



Restrict Band NVNT n40 2422MHz Average



Restrict Band NVNT n40 2452MHz Peak



Restrict Band NVNT n40 2452MHz Average