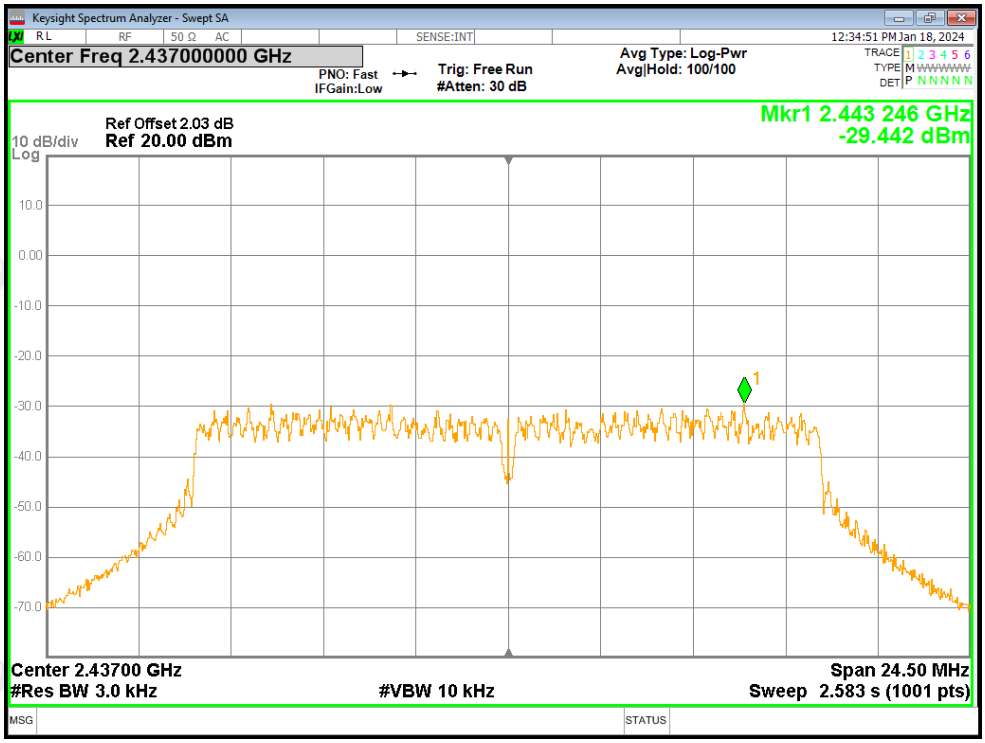
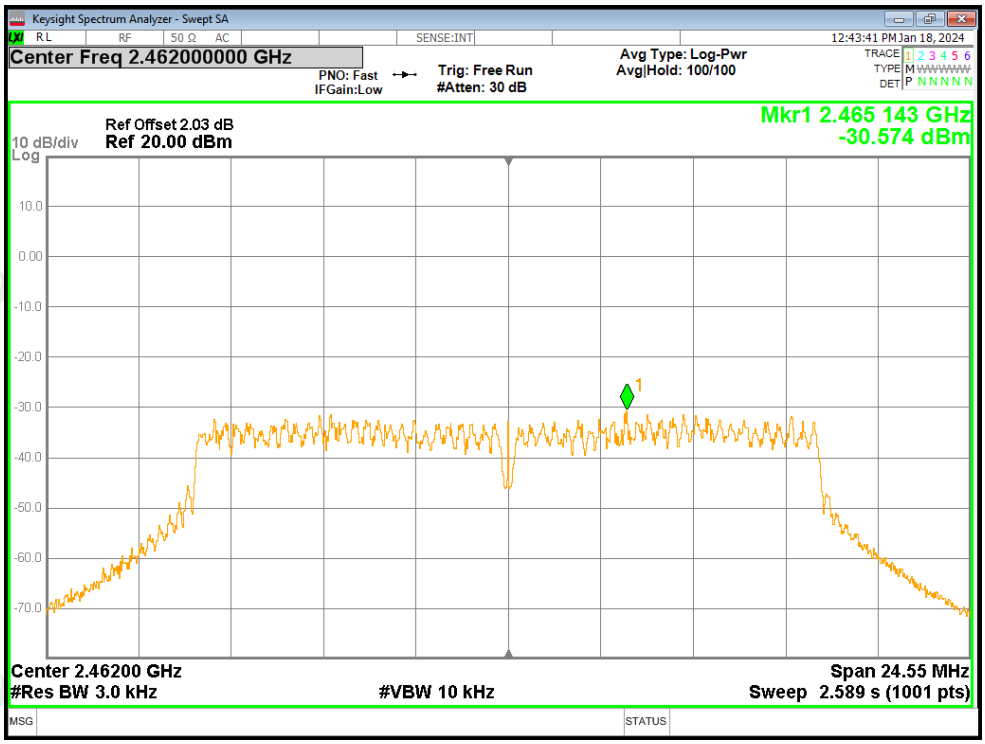
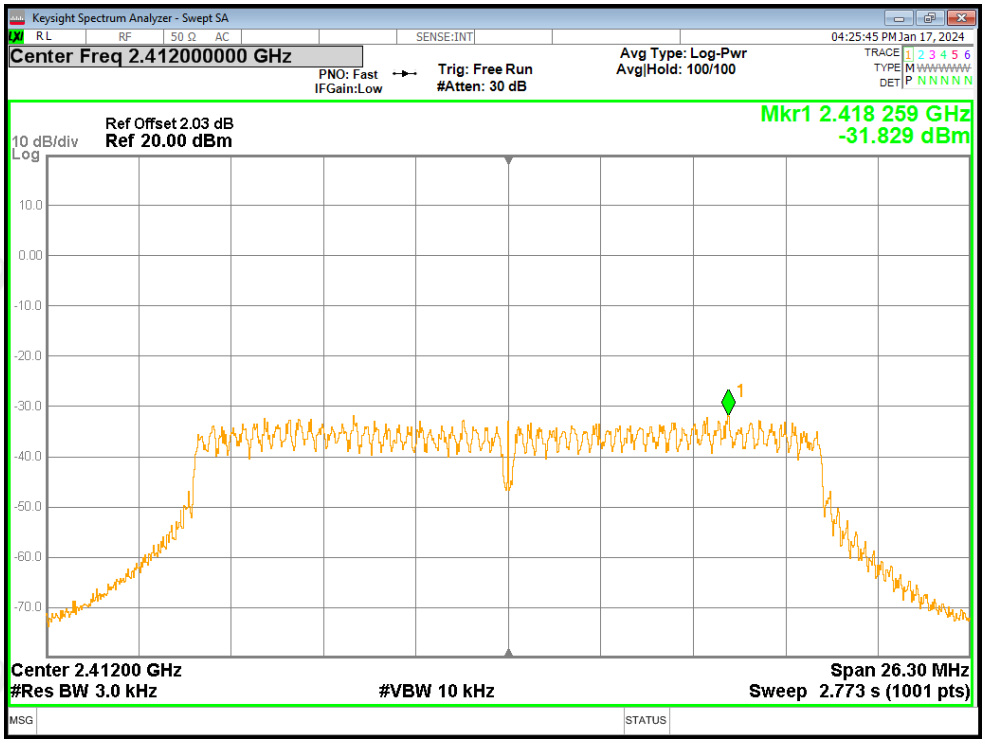
PSD NVNT g 2437MHz Ant2



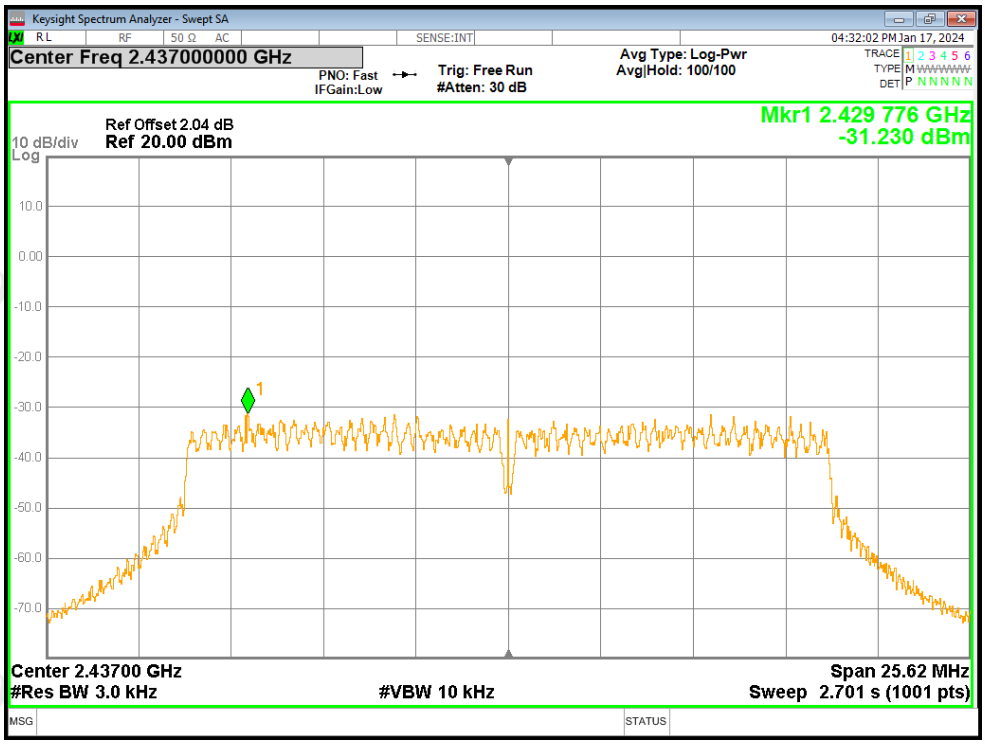
PSD NVNT g 2462MHz Ant2



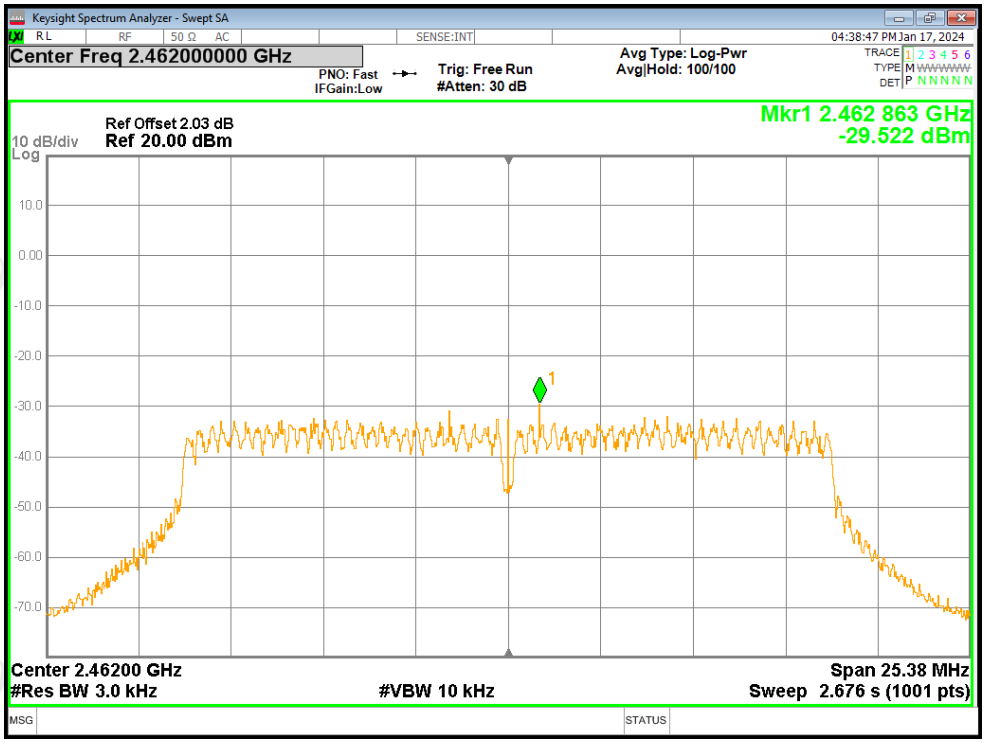
PSD NVNT n20 2412MHz Ant1



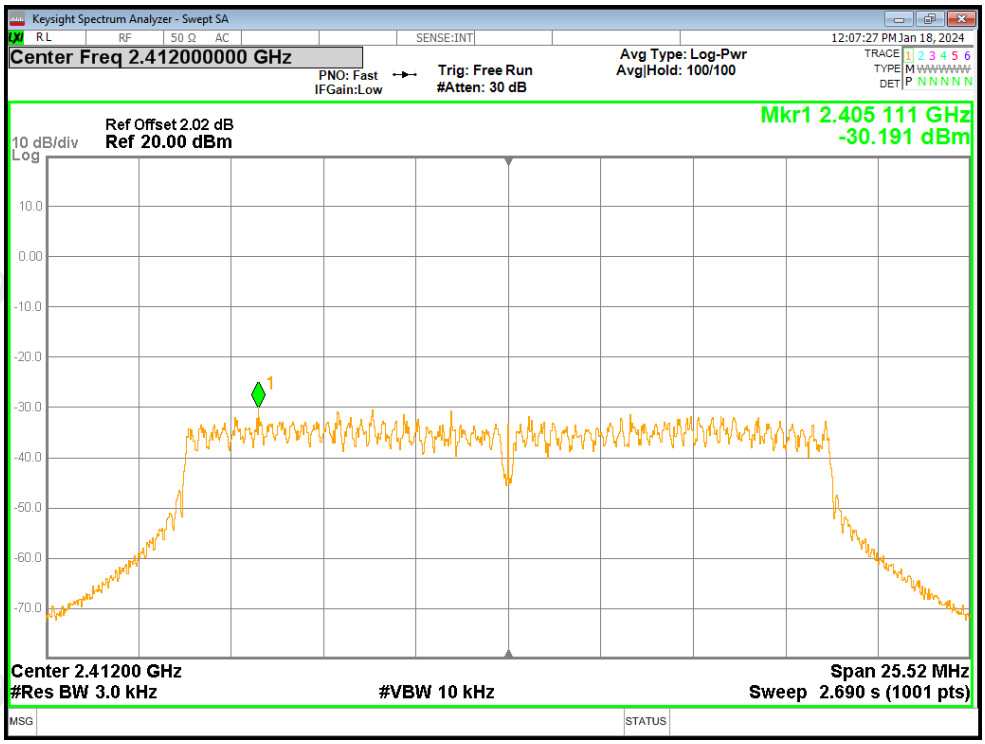
PSD NVNT n20 2437MHz Ant1



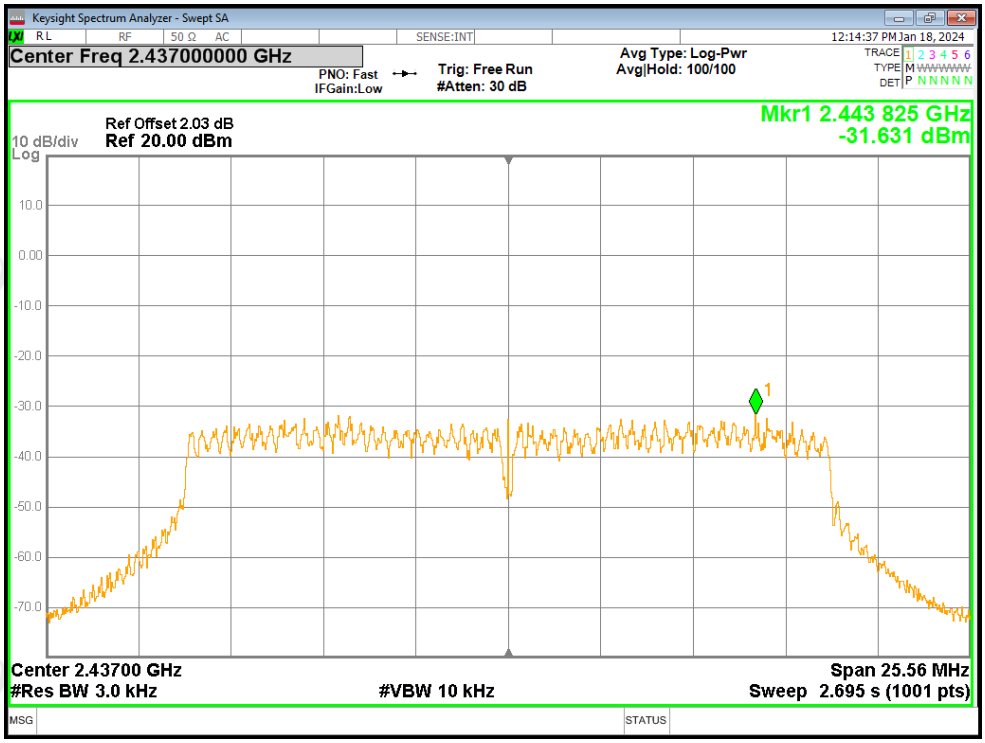
PSD NVNT n20 2462MHz Ant1



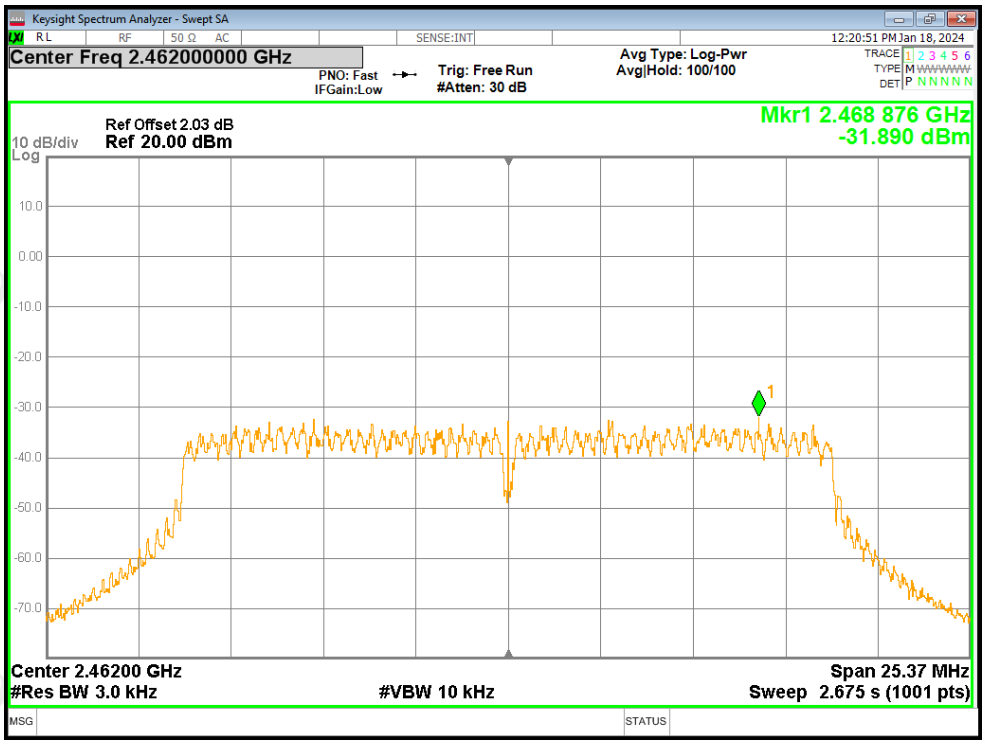
PSD NVNT n20 2412MHz Ant2



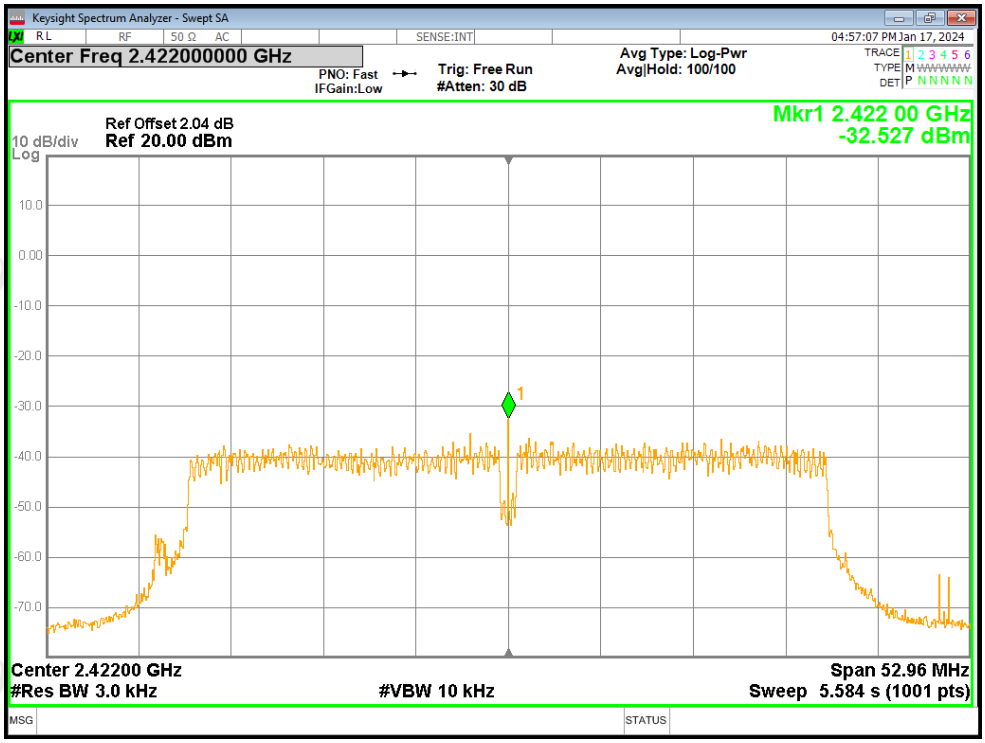
PSD NVNT n20 2437MHz Ant2



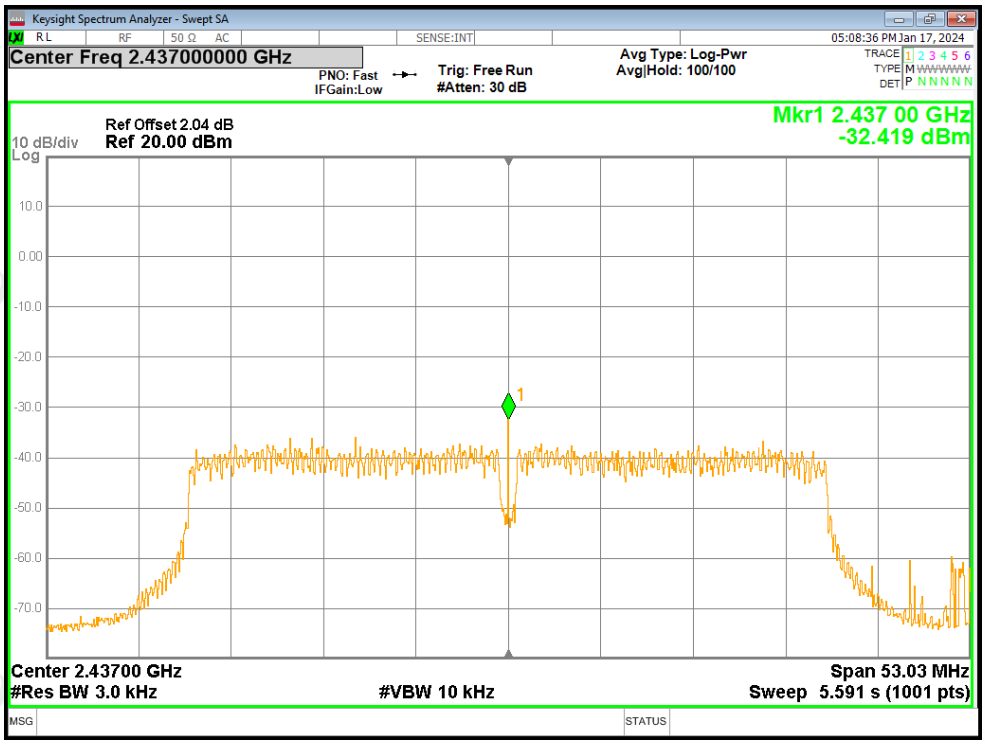
PSD NVNT n20 2462MHz Ant2



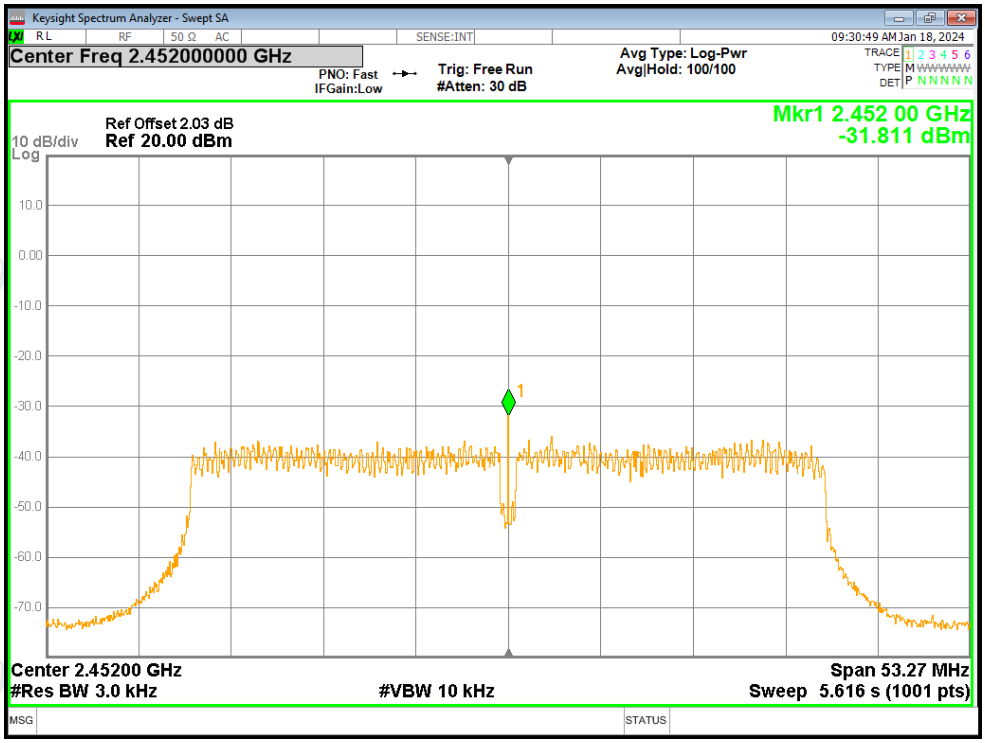
PSD NVNT n40 2422MHz Ant1



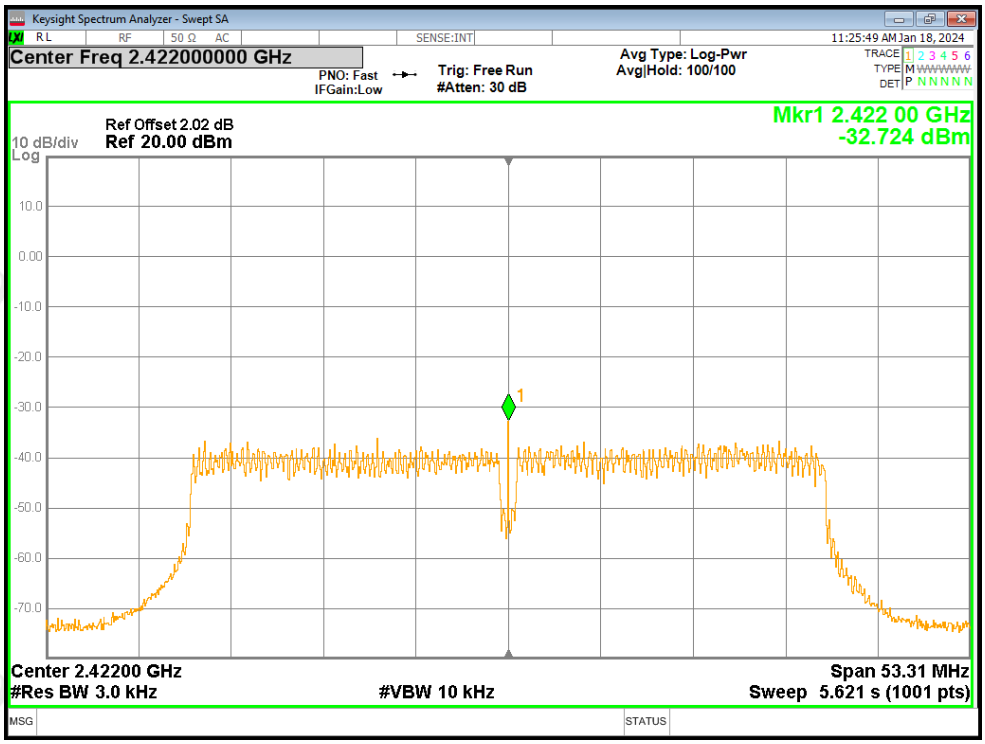
PSD NVNT n40 2437MHz Ant1



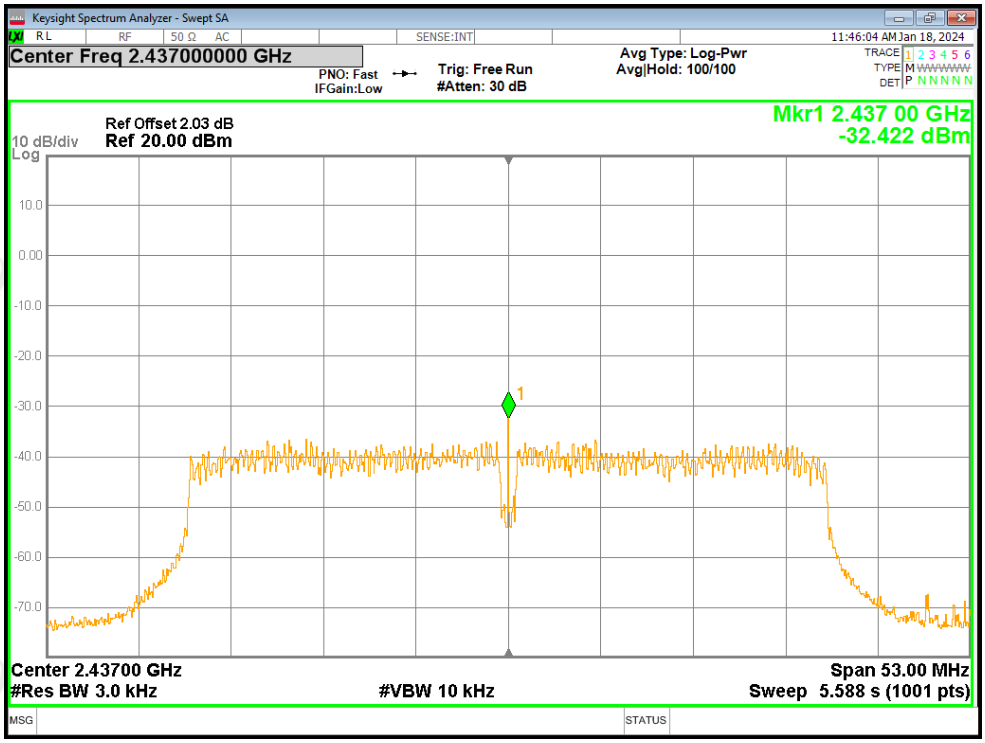
PSD NVNT n40 2452MHz Ant1



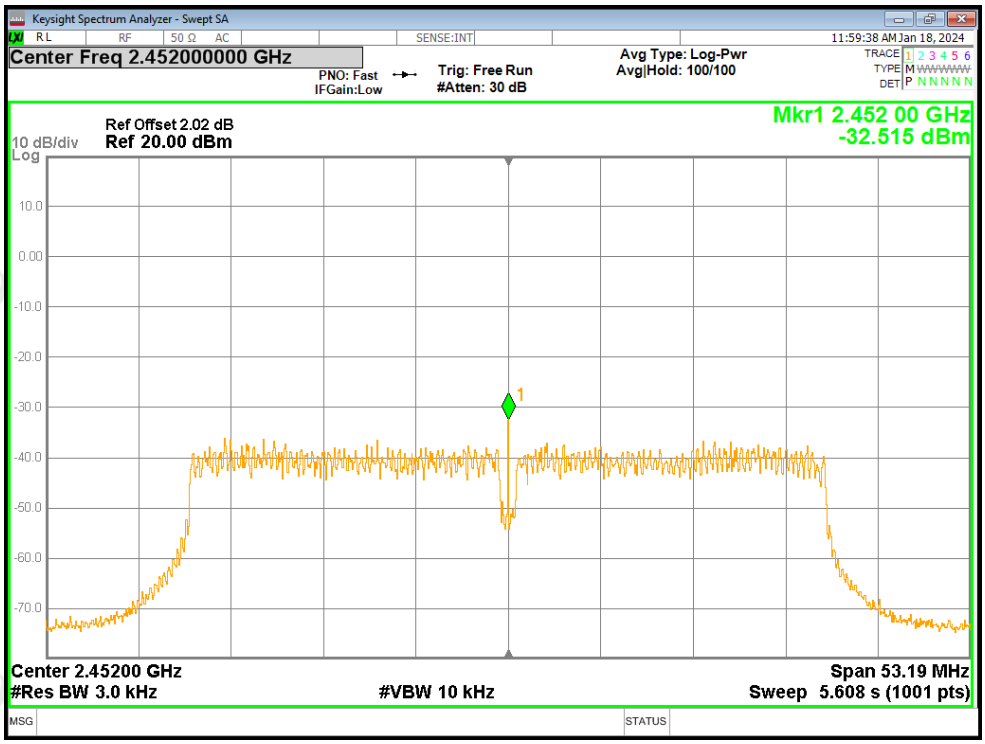
PSD NVNT n40 2422MHz Ant2



PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant2

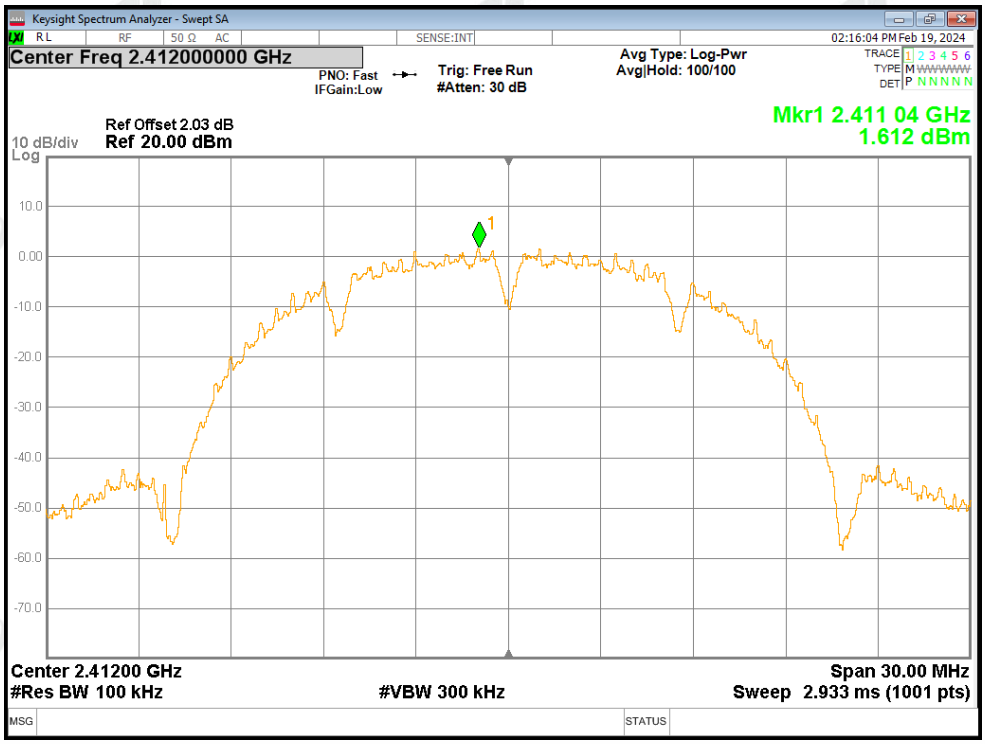


A6. Band Edge

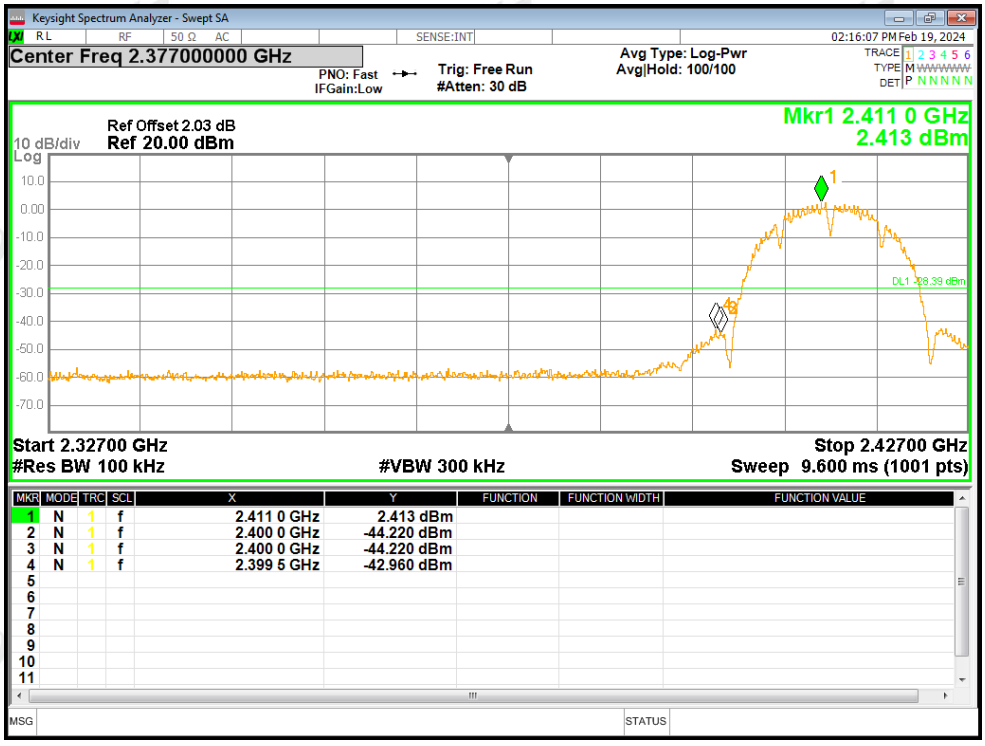
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.57	-30	Pass
NVNT	b	2462	Ant1	-58.59	-30	Pass
NVNT	b	2412	Ant2	-43.94	-30	Pass
NVNT	b	2462	Ant2	-58.16	-30	Pass
NVNT	g	2412	Ant1	-38.09	-30	Pass
NVNT	g	2462	Ant1	-53.08	-30	Pass
NVNT	g	2412	Ant2	-40.45	-30	Pass
NVNT	g	2462	Ant2	-51.95	-30	Pass
NVNT	n20	2412	Ant1	-37.98	-30	Pass
NVNT	n20	2462	Ant1	-50.99	-30	Pass
NVNT	n20	2412	Ant2	-38.02	-30	Pass
NVNT	n20	2462	Ant2	-51.36	-30	Pass
NVNT	n20	2412	MIMO	-36.77	-30	Pass
NVNT	n20	2462	MIMO	-50.62	-30	Pass
NVNT	n40	2422	Ant1	-36.55	-30	Pass
NVNT	n40	2452	Ant1	-47.81	-30	Pass
NVNT	n40	2422	Ant2	-37.19	-30	Pass
NVNT	n40	2452	Ant2	-47.38	-30	Pass
NVNT	n40	2422	MIMO	-36.93	-30	Pass
NVNT	n40	2452	MIMO	-48.13	-30	Pass

Test Graphs

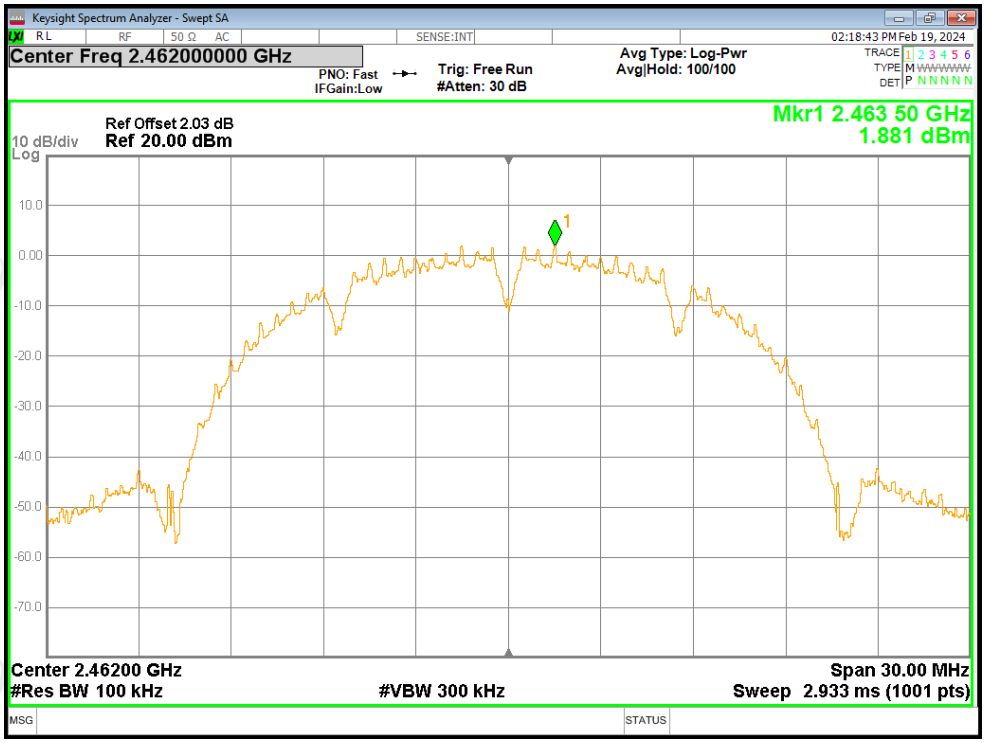
Band Edge NVNT b 2412MHz Ant1 Ref



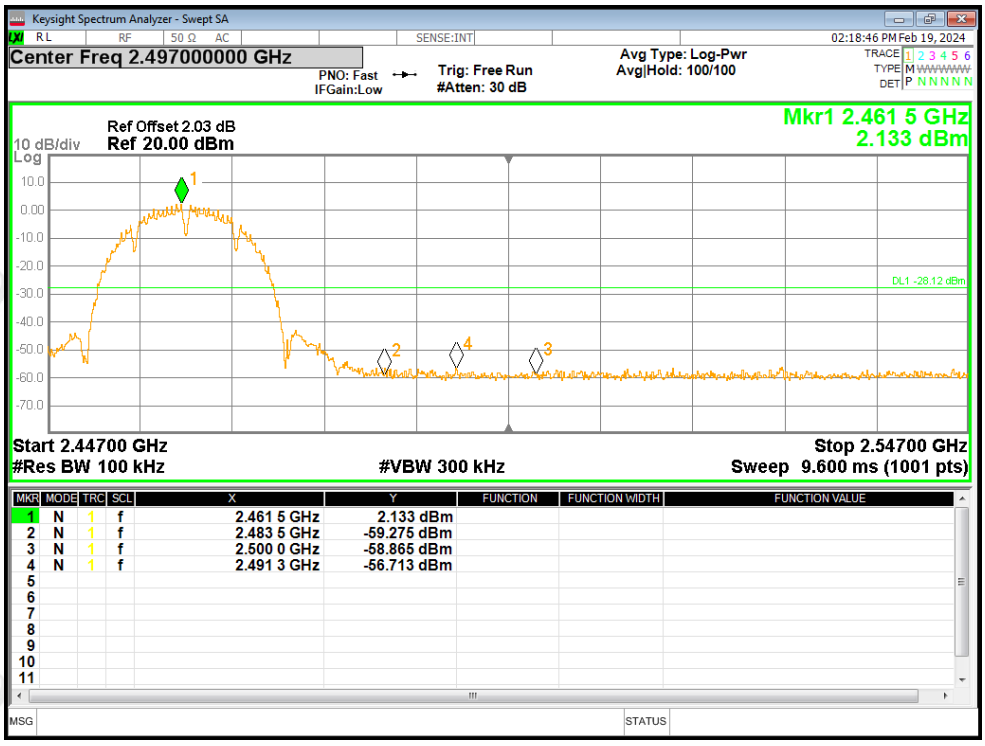
Band Edge NVNT b 2412MHz Ant1 Emission



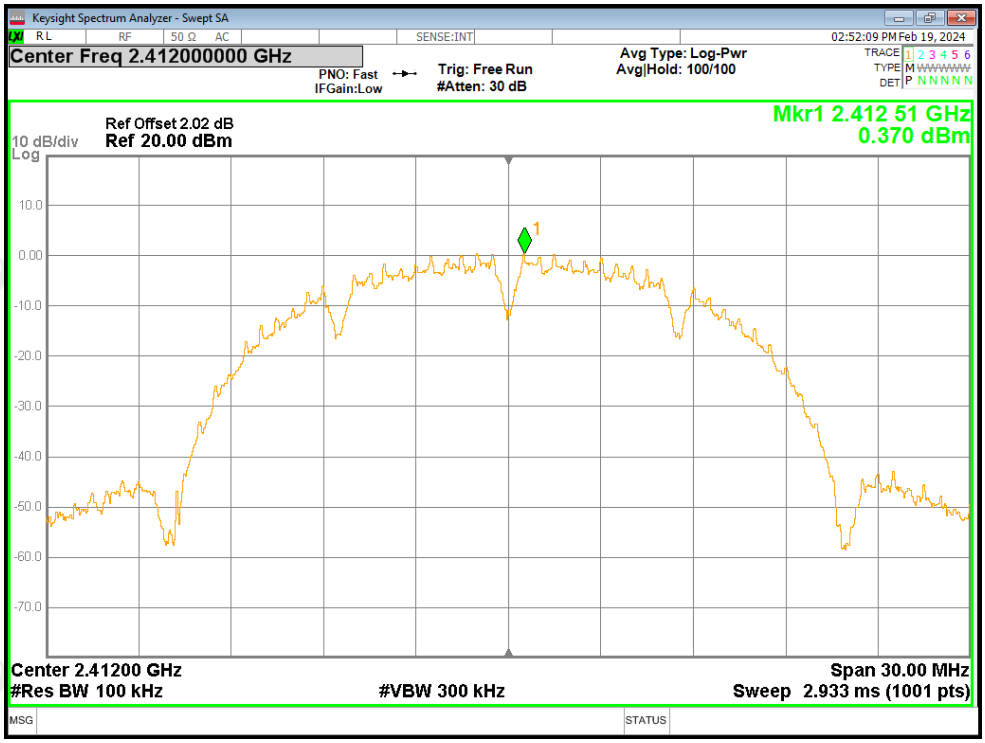
Band Edge NVNT b 2462MHz Ant1 Ref



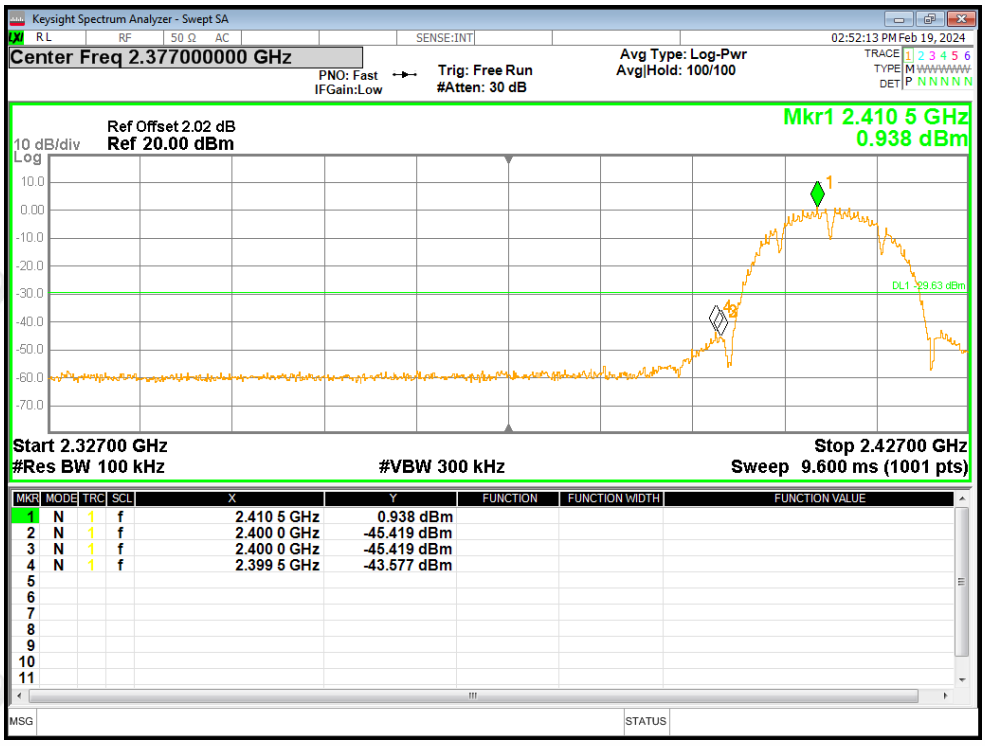
Band Edge NVNT b 2462MHz Ant1 Emission



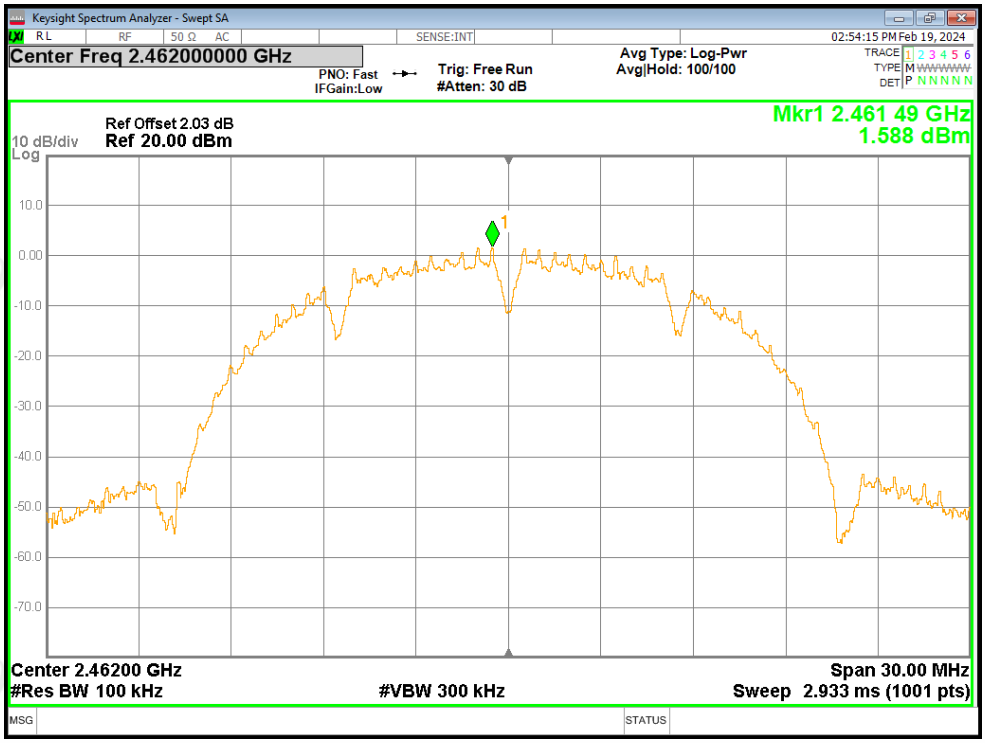
Band Edge NVNT b 2412MHz Ant2 Ref



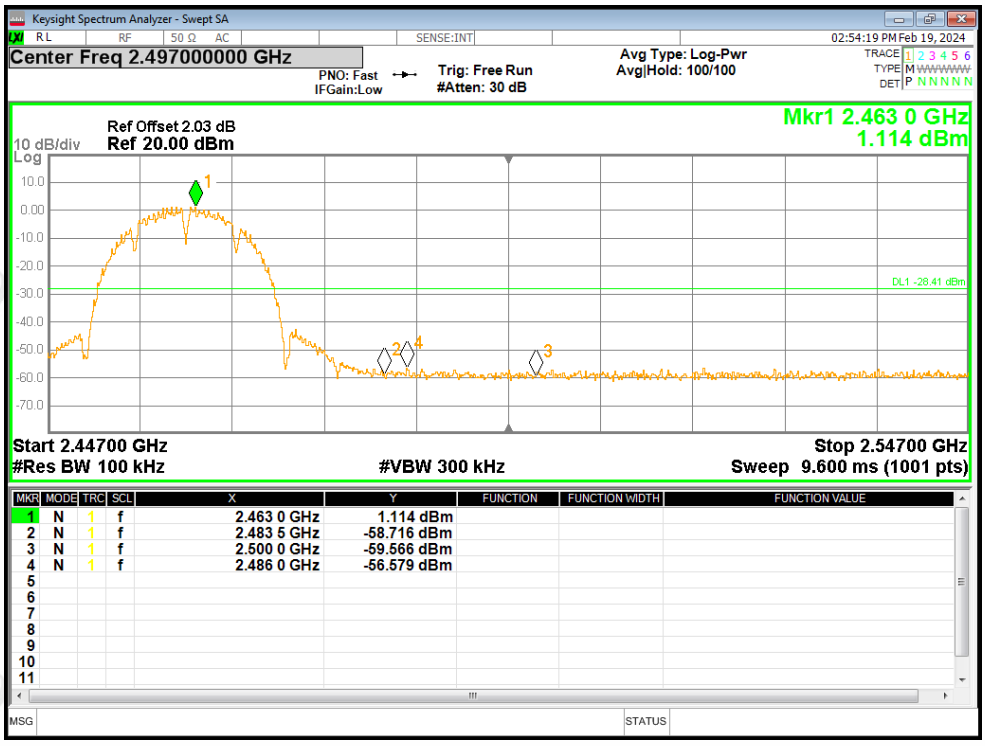
Band Edge NVNT b 2412MHz Ant2 Emission



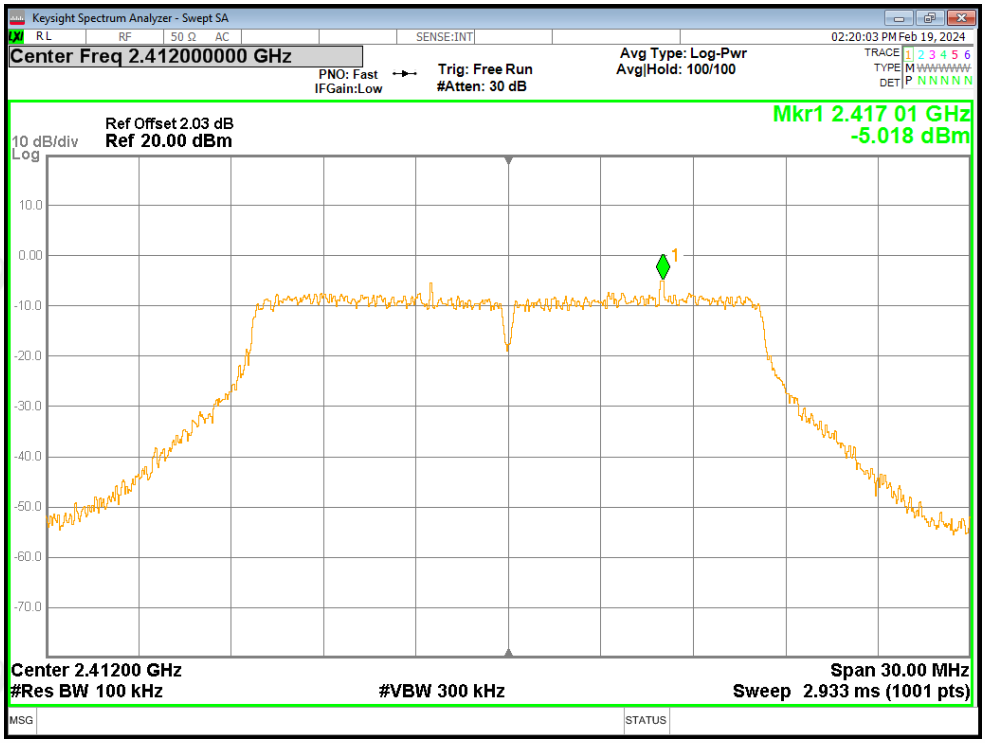
Band Edge NVNT b 2462MHz Ant2 Ref



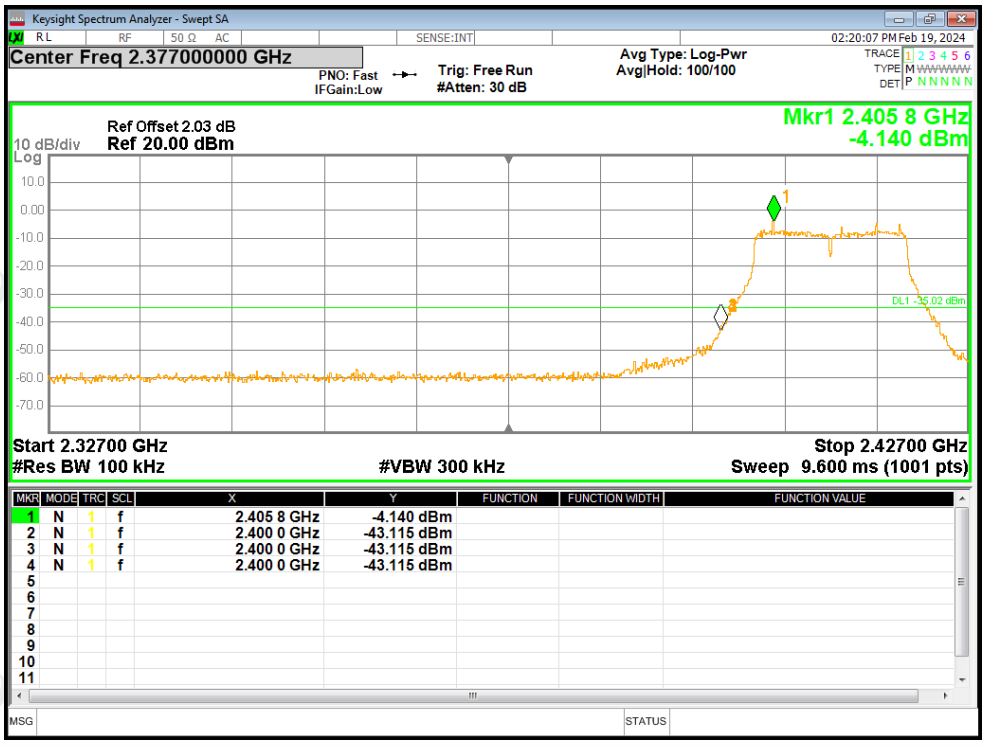
Band Edge NVNT b 2462MHz Ant2 Emission



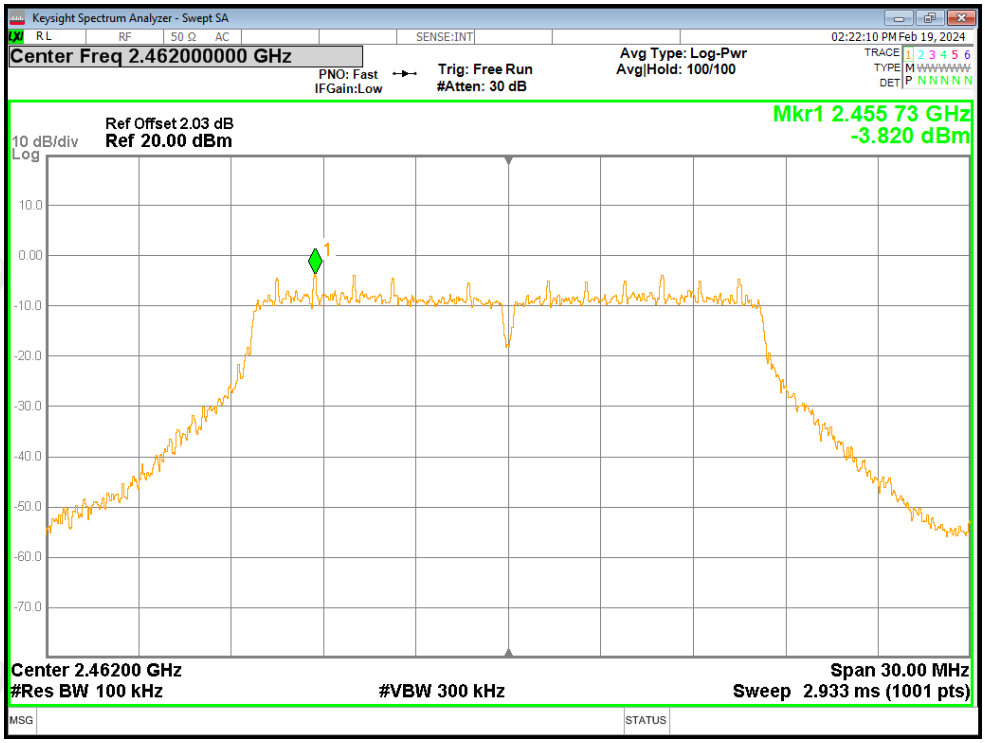
Band Edge NVNT g 2412MHz Ant1 Ref



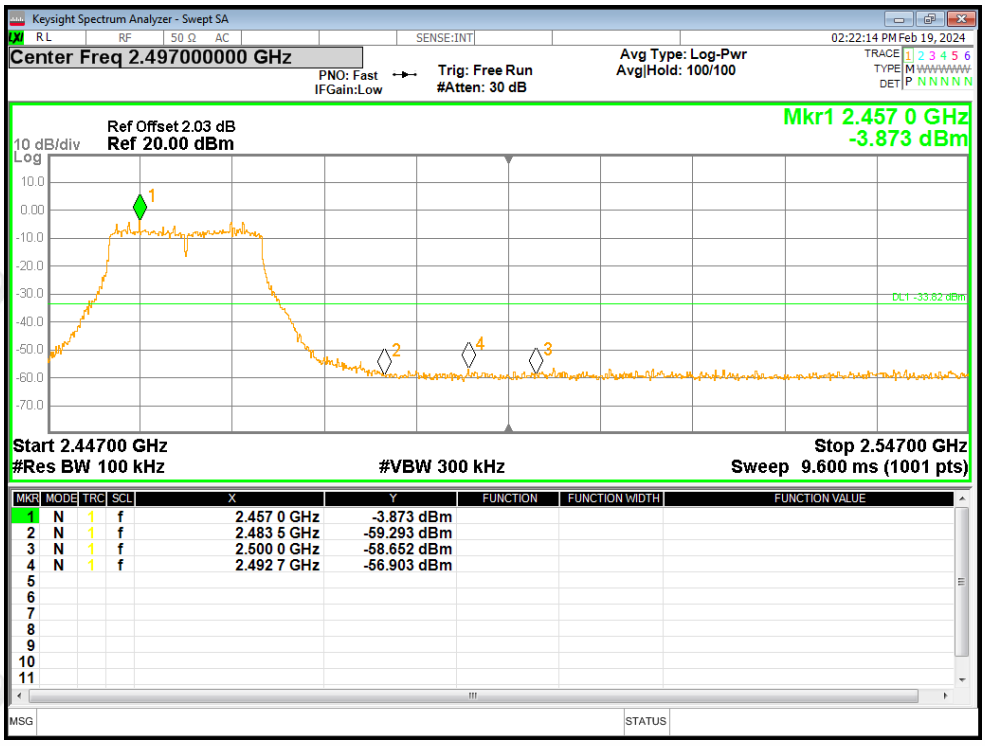
Band Edge NVNT g 2412MHz Ant1 Emission



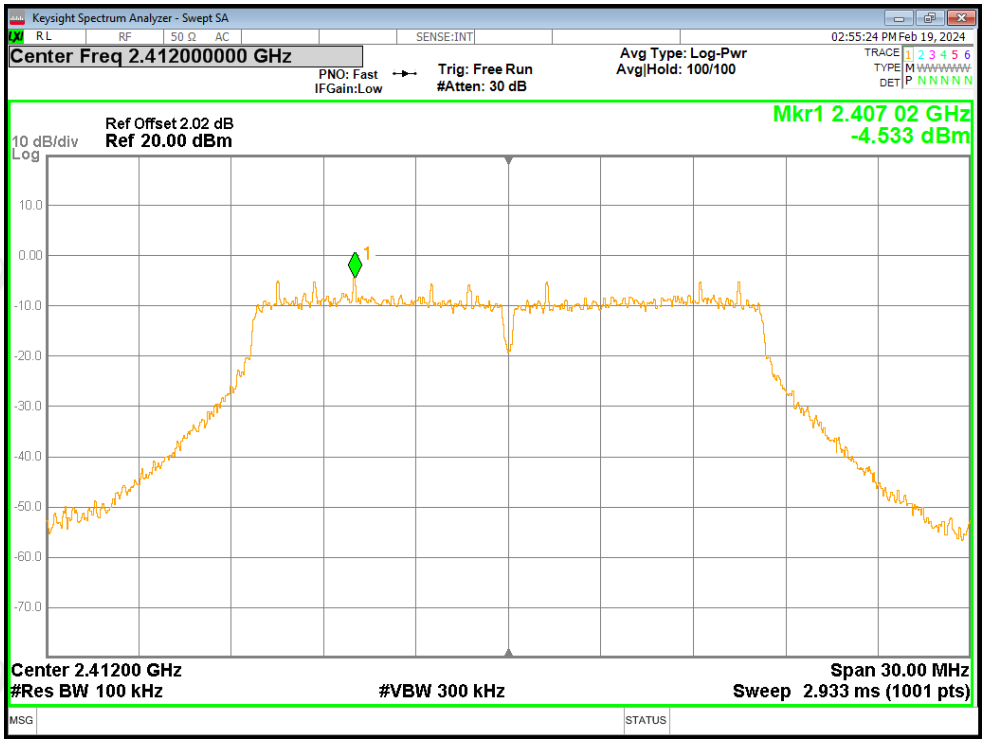
Band Edge NVNT g 2462MHz Ant1 Ref



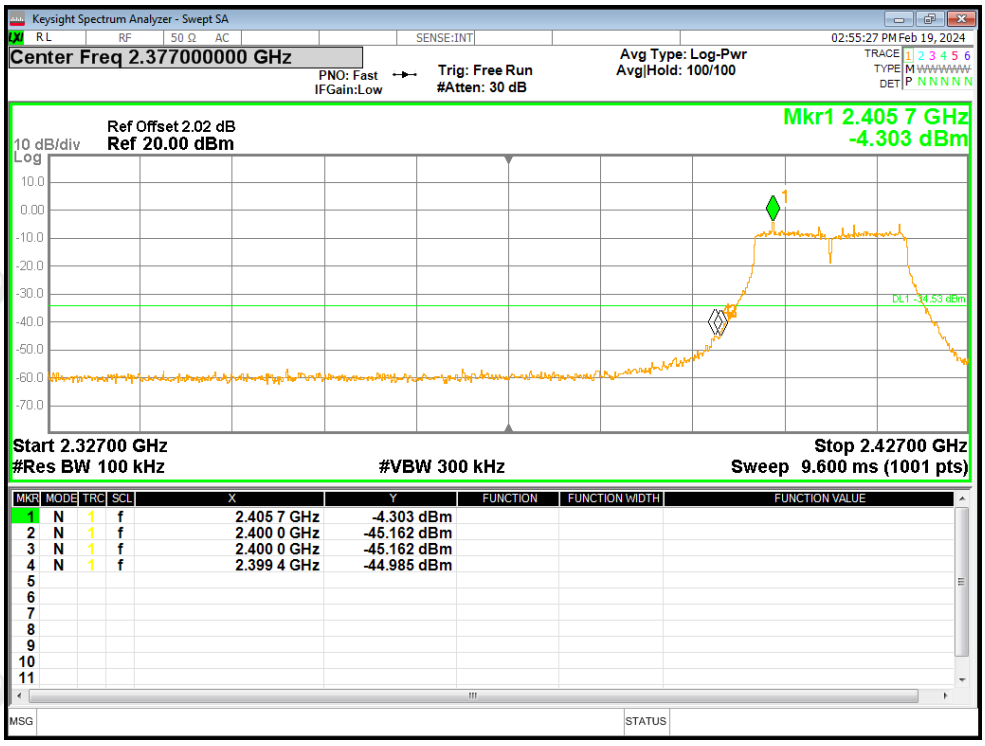
Band Edge NVNT g 2462MHz Ant1 Emission



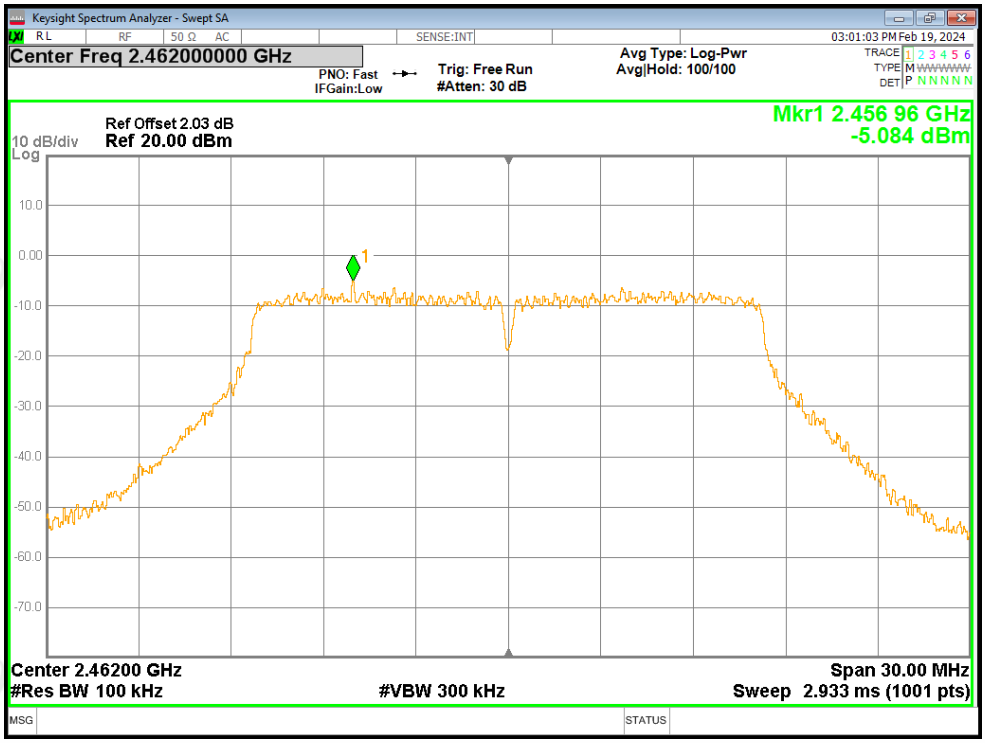
Band Edge NVNT g 2412MHz Ant2 Ref



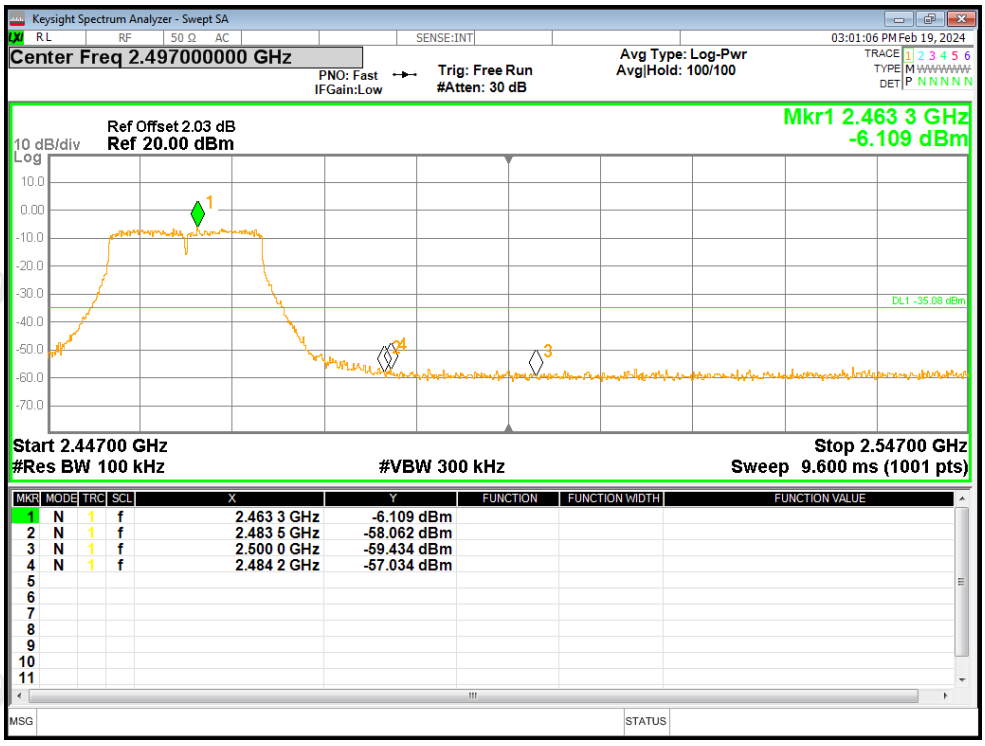
Band Edge NVNT g 2412MHz Ant2 Emission



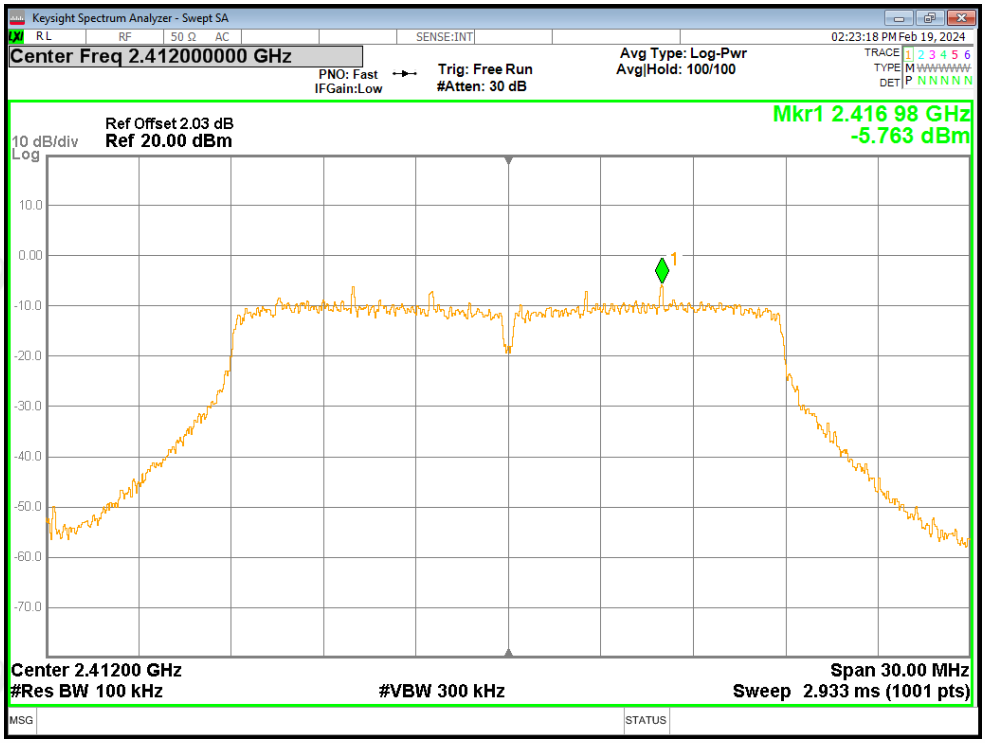
Band Edge NVNT g 2462MHz Ant2 Ref



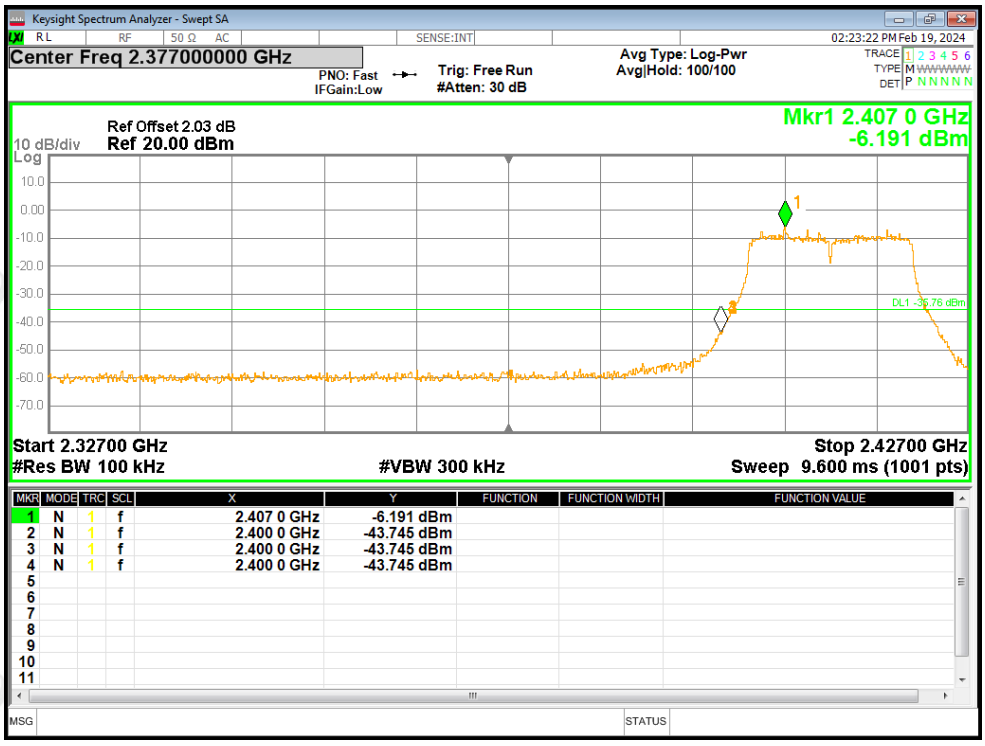
Band Edge NVNT g 2462MHz Ant2 Emission



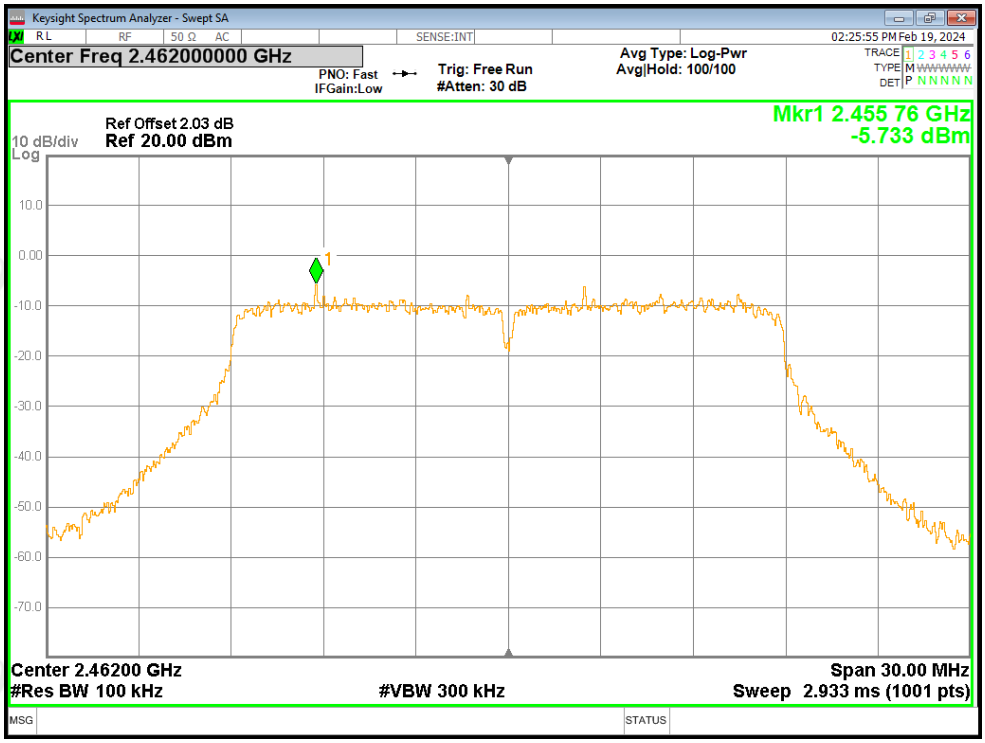
Band Edge NVNT n20 2412MHz Ant1 Ref



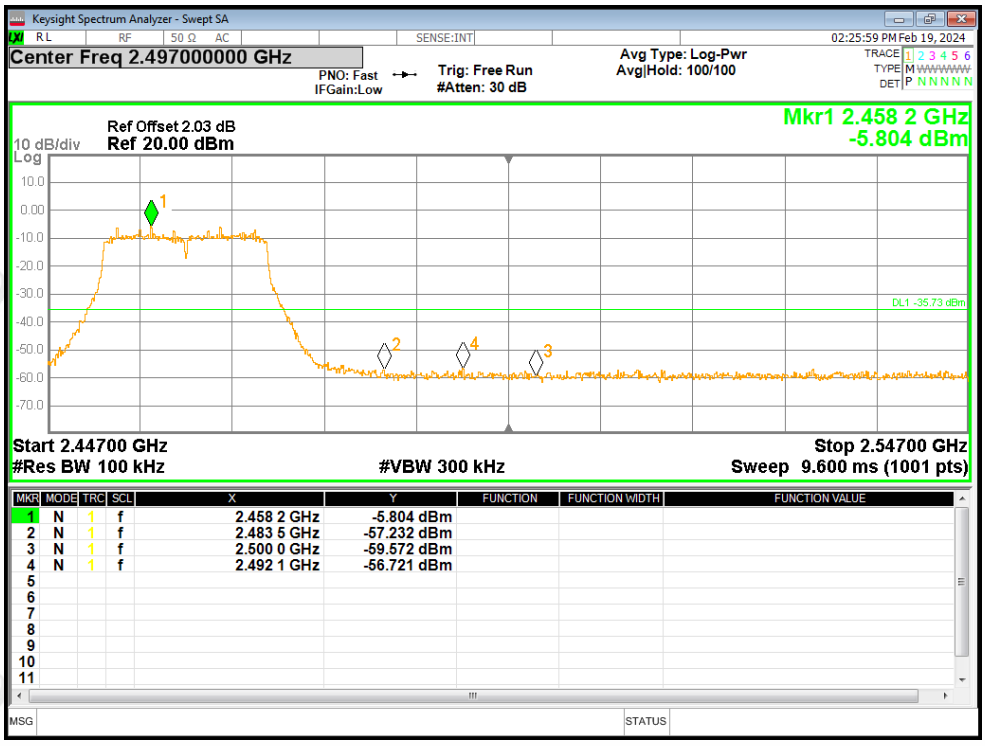
Band Edge NVNT n20 2412MHz Ant1 Emission



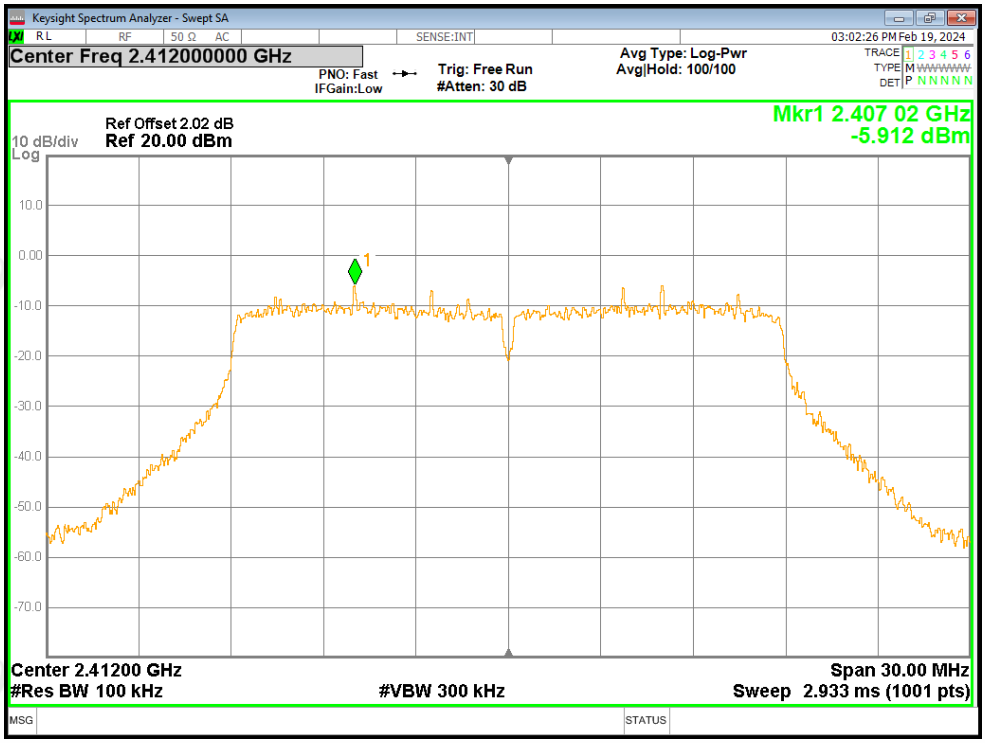
Band Edge NVNT n20 2462MHz Ant1 Ref



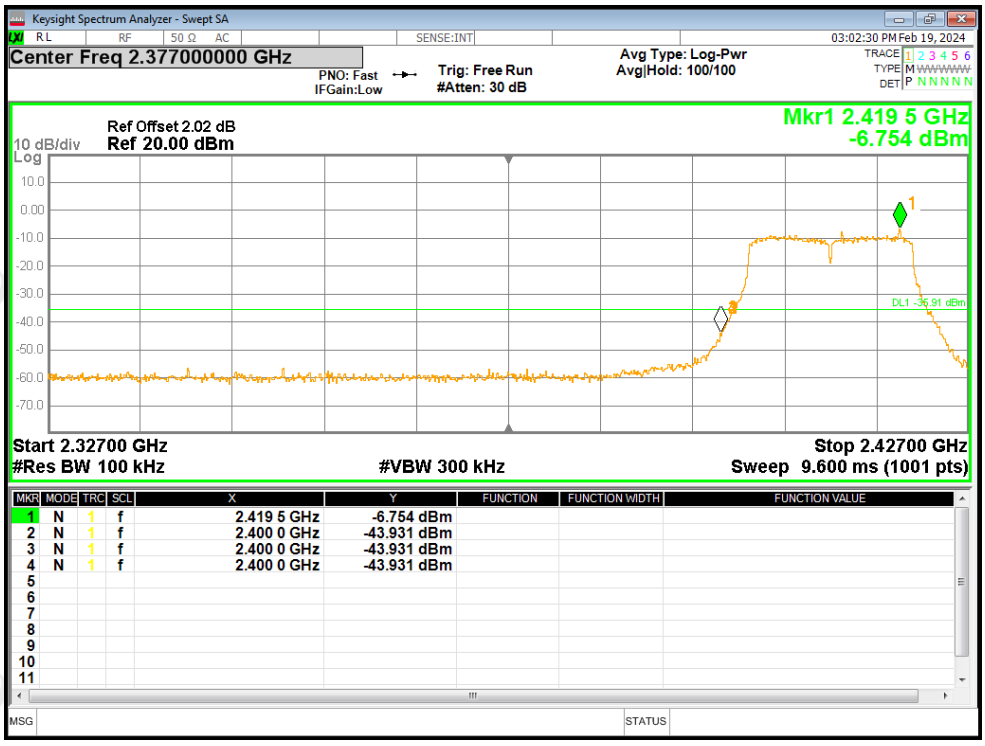
Band Edge NVNT n20 2462MHz Ant1 Emission



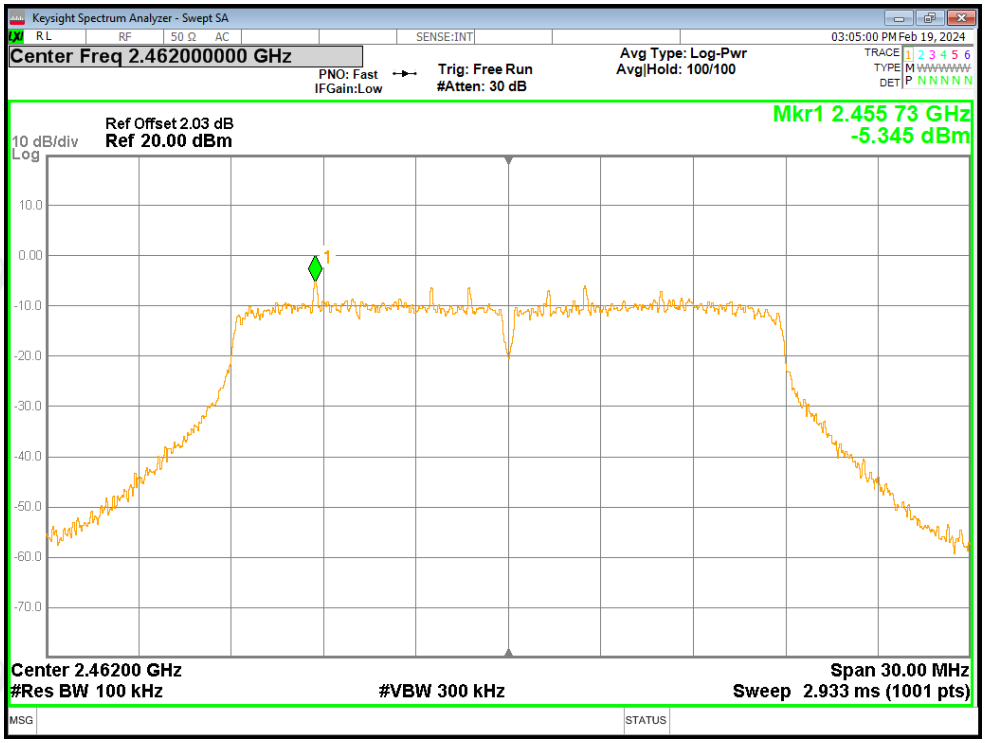
Band Edge NVNT n20 2412MHz Ant2 Ref



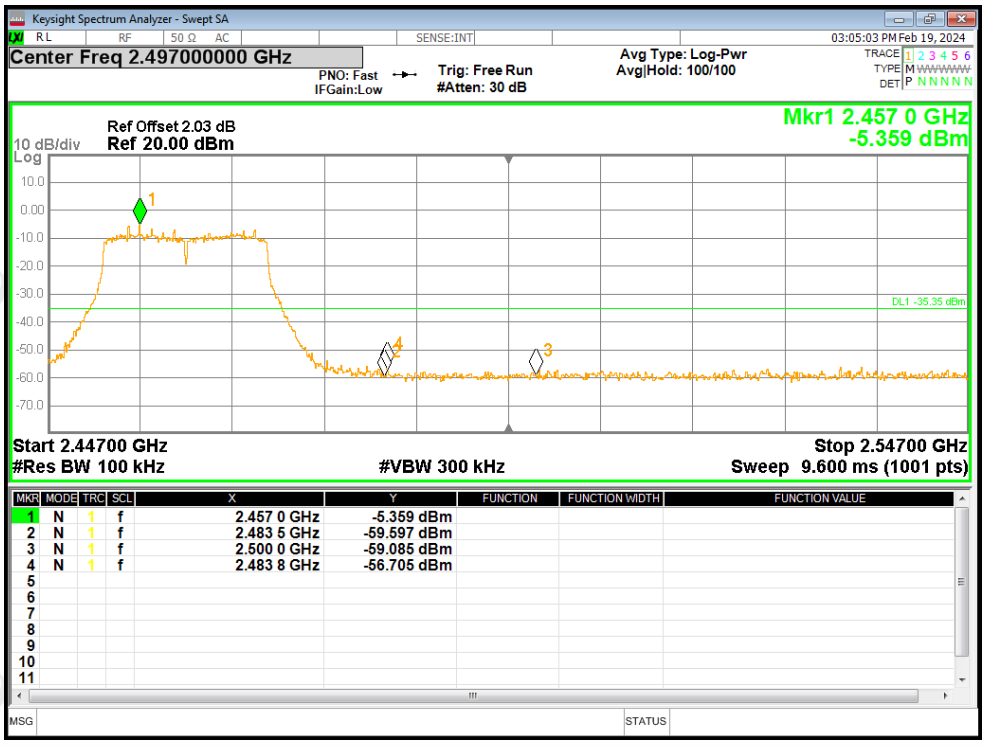
Band Edge NVNT n20 2412MHz Ant2 Emission



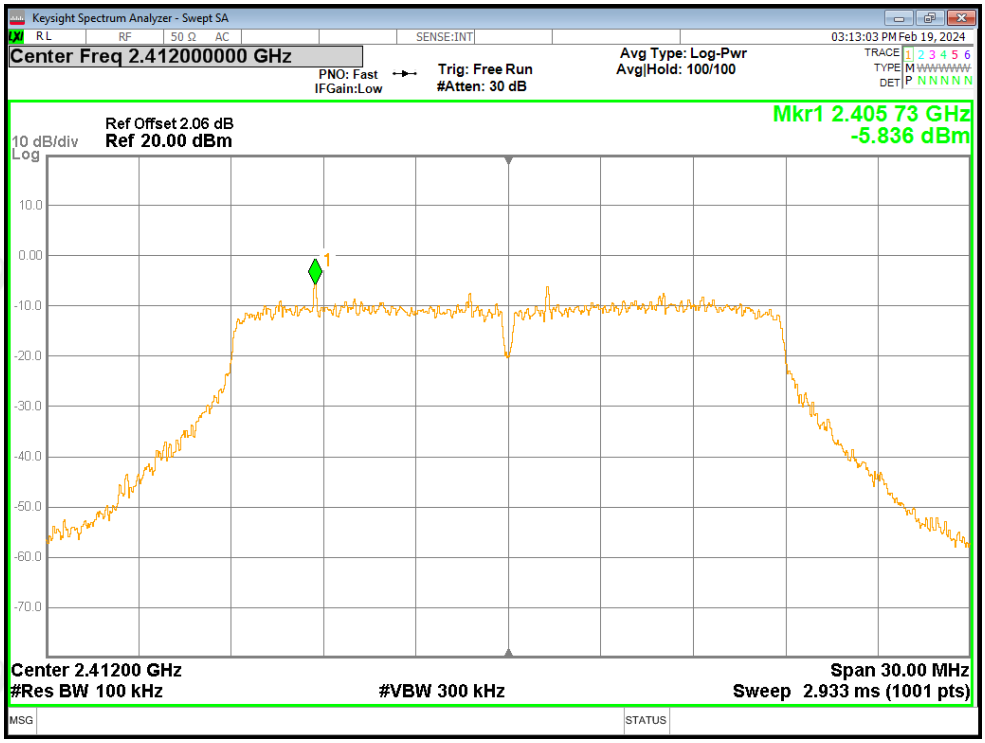
Band Edge NVNT n20 2462MHz Ant2 Ref



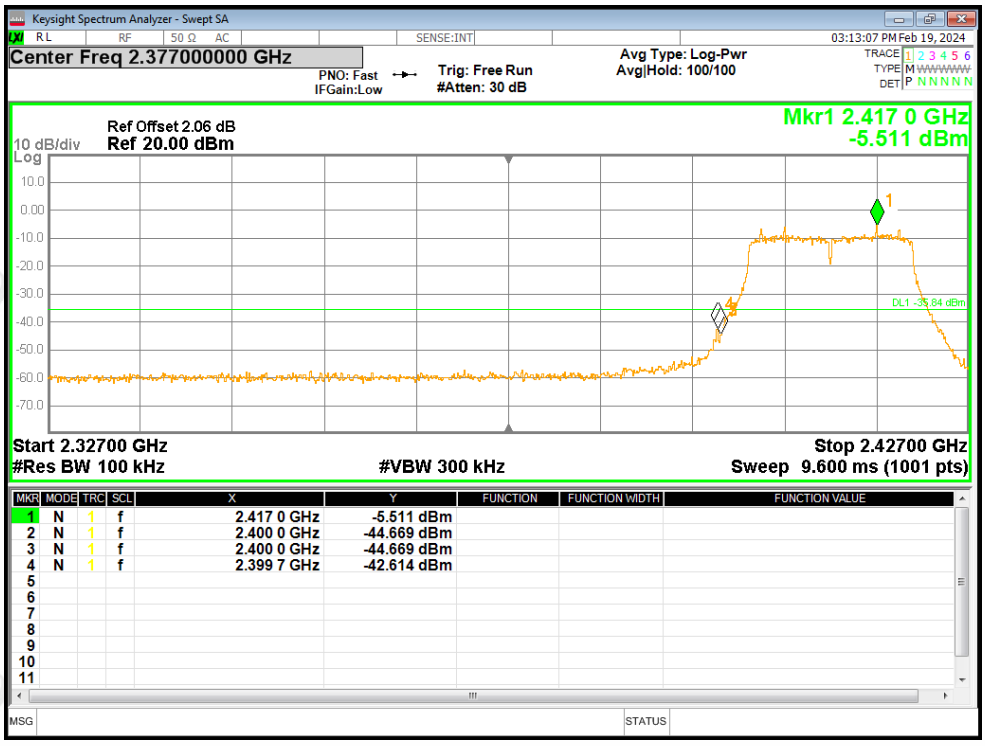
Band Edge NVNT n20 2462MHz Ant2 Emission



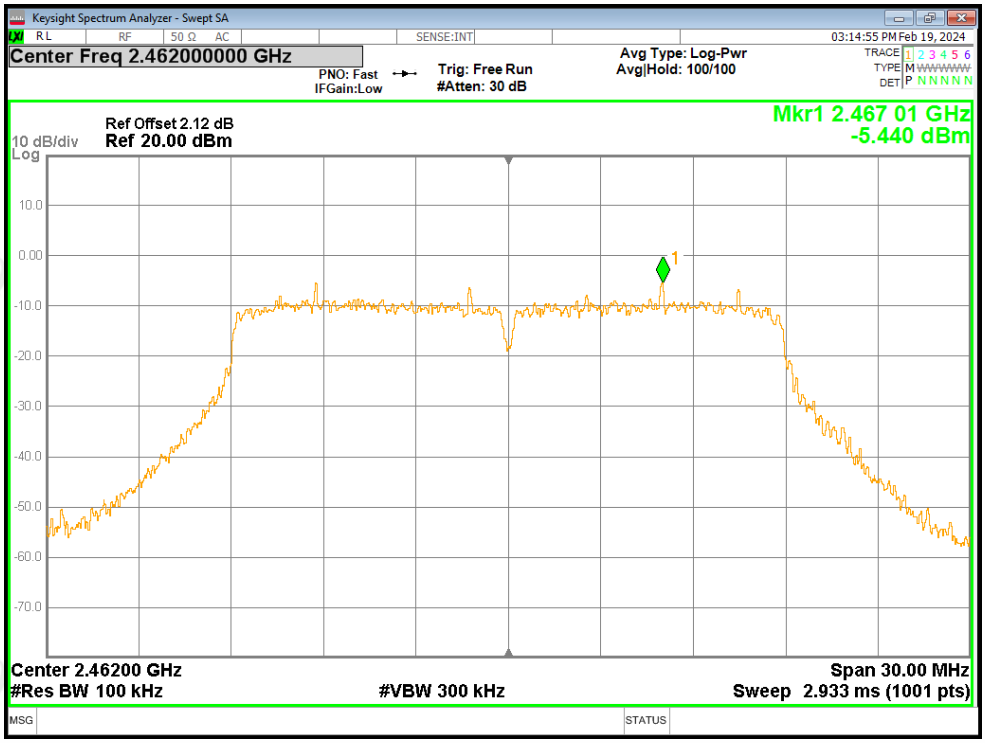
Band Edge NVNT n20 2412MHz MIMO Ref



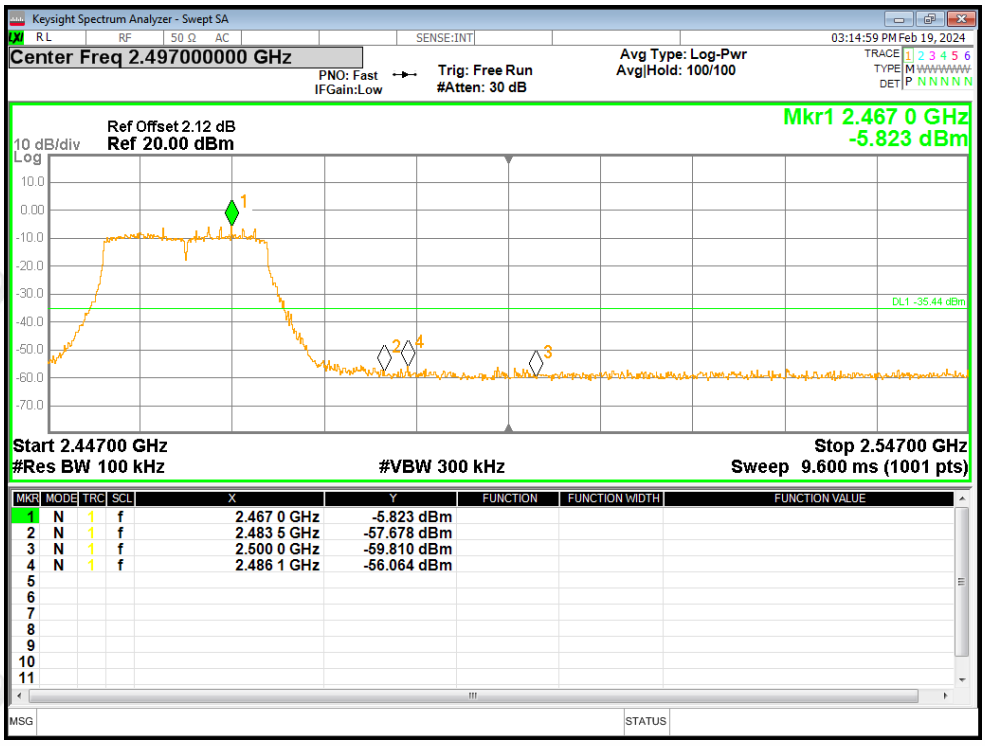
Band Edge NVNT n20 2412MHz MIMO Emission



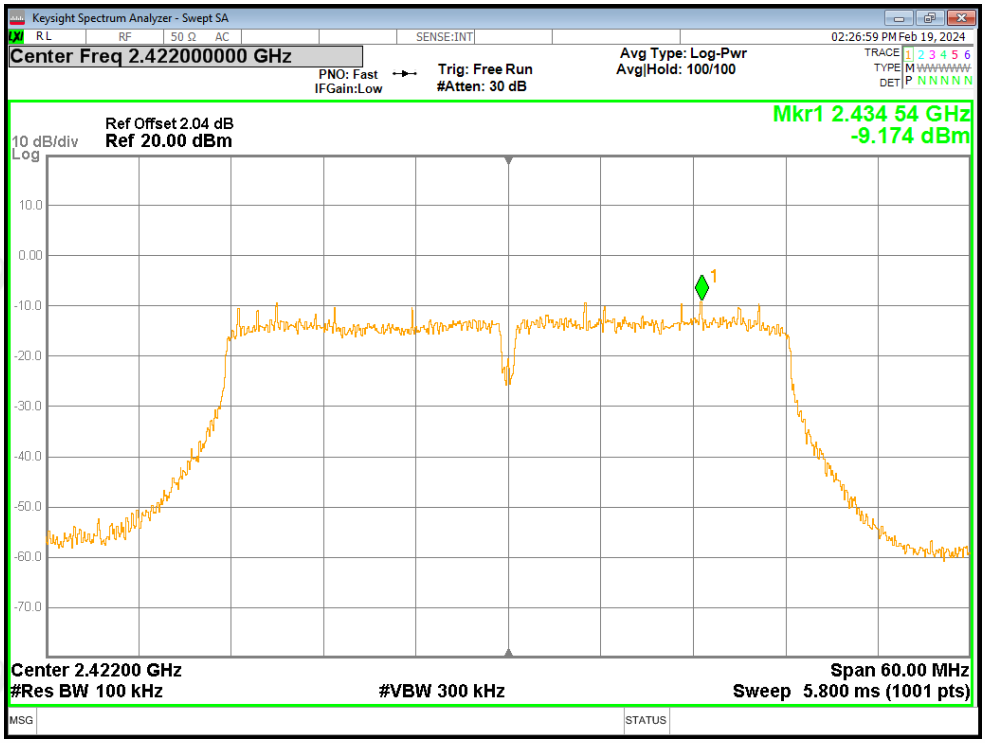
Band Edge NVNT n20 2462MHz MIMO Ref



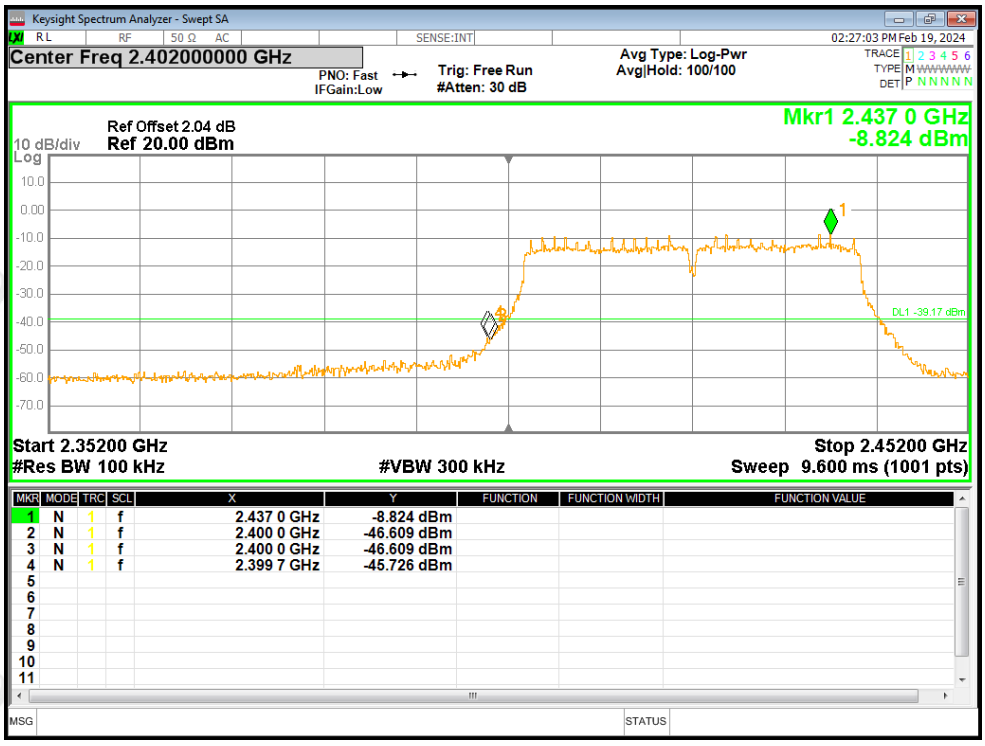
Band Edge NVNT n20 2462MHz MIMO Emission



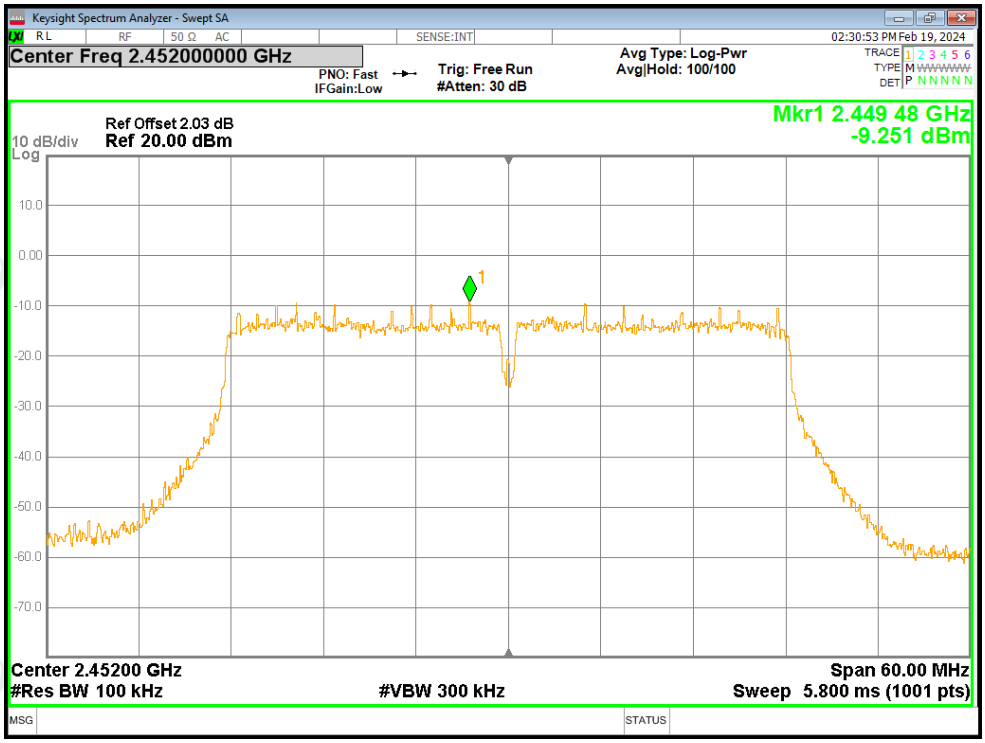
Band Edge NVNT n40 2422MHz Ant1 Ref



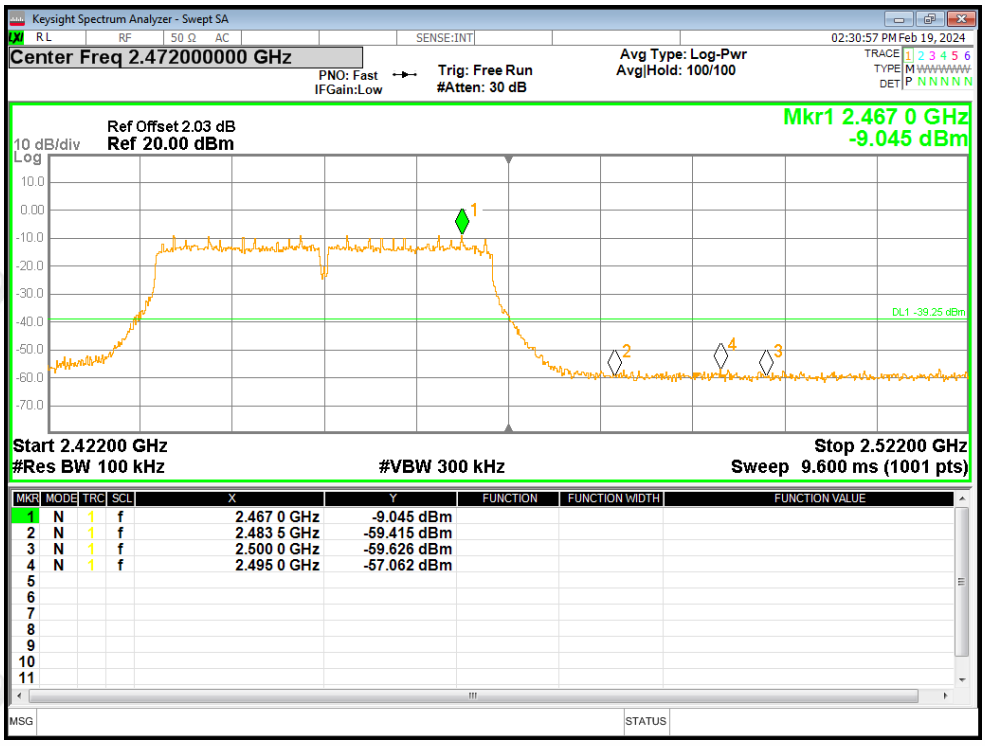
Band Edge NVNT n40 2422MHz Ant1 Emission



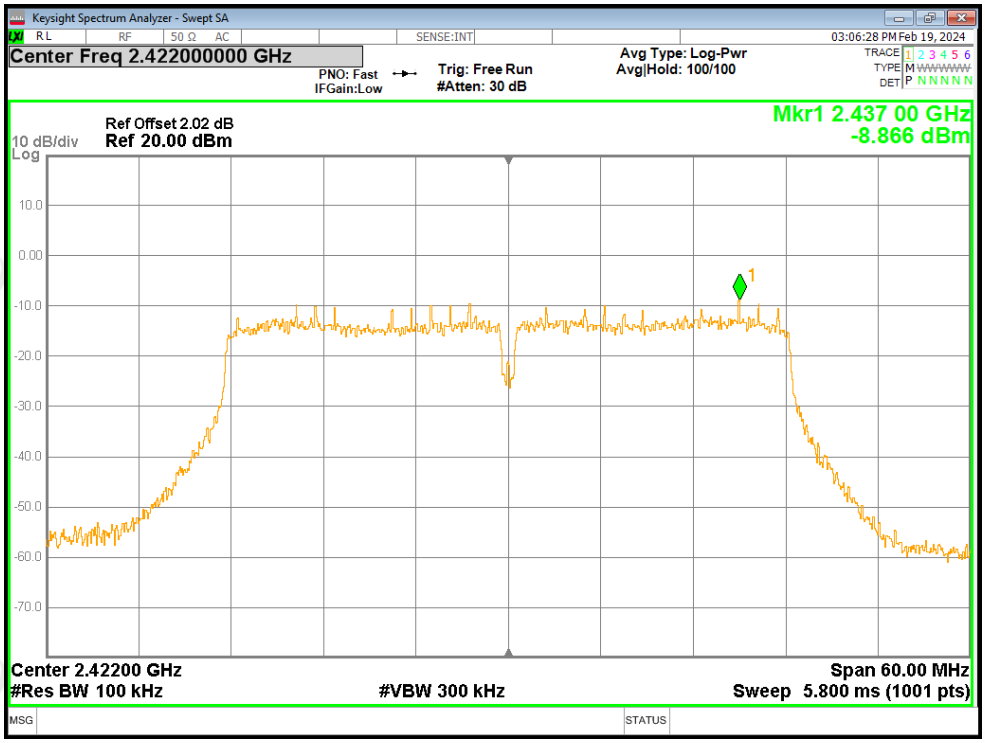
Band Edge NVNT n40 2452MHz Ant1 Ref



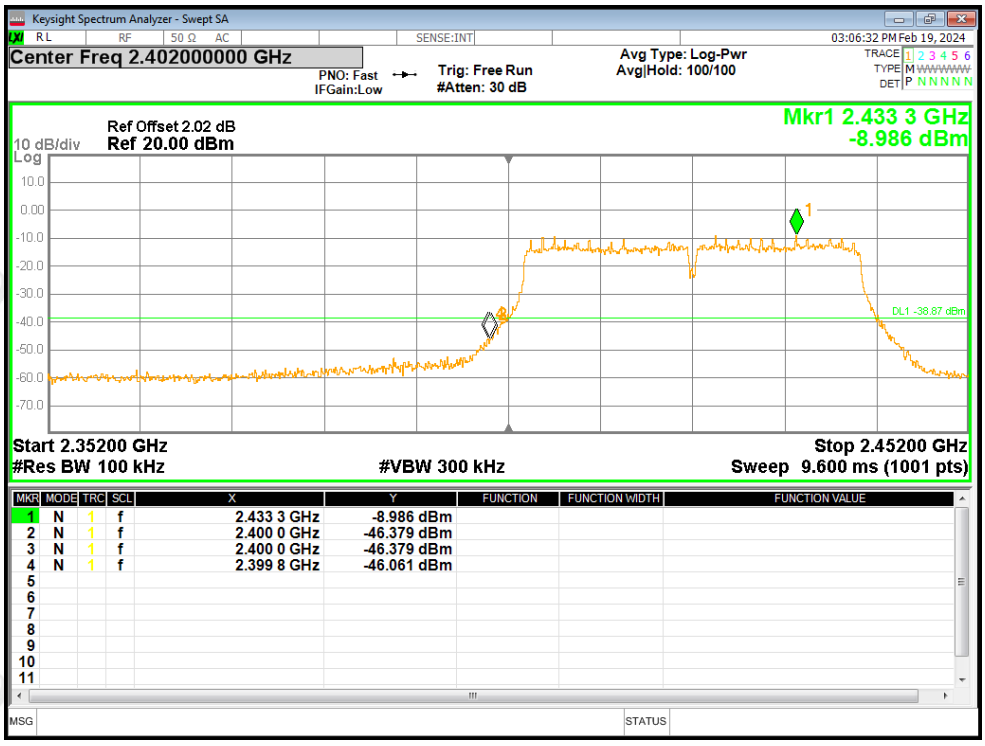
Band Edge NVNT n40 2452MHz Ant1 Emission



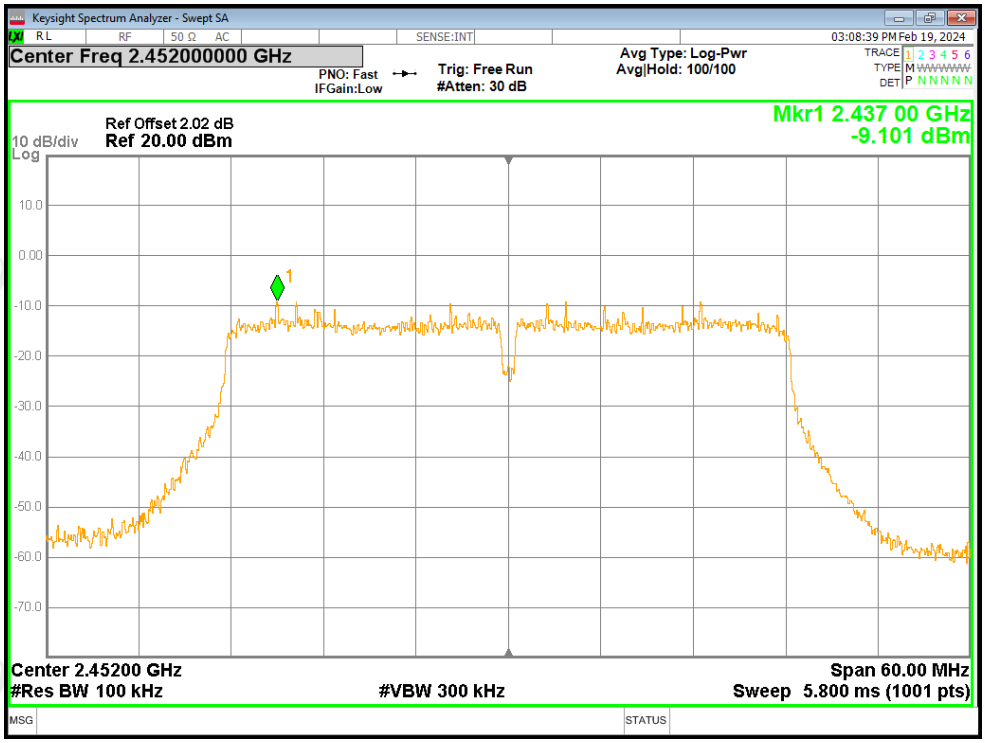
Band Edge NVNT n40 2422MHz Ant2 Ref



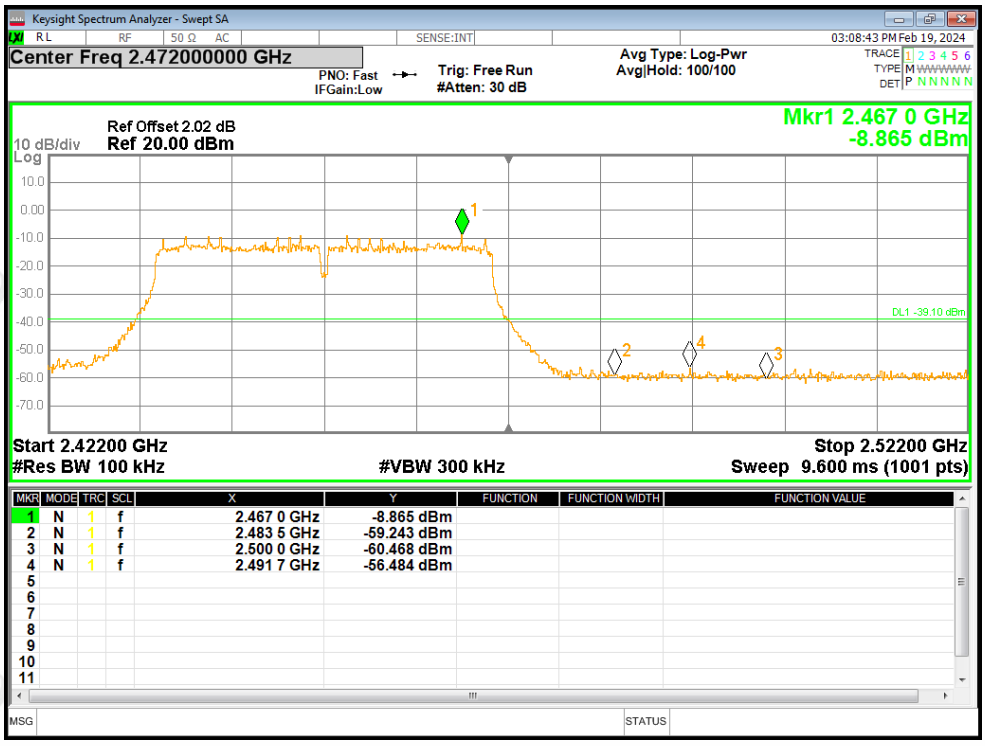
Band Edge NVNT n40 2422MHz Ant2 Emission



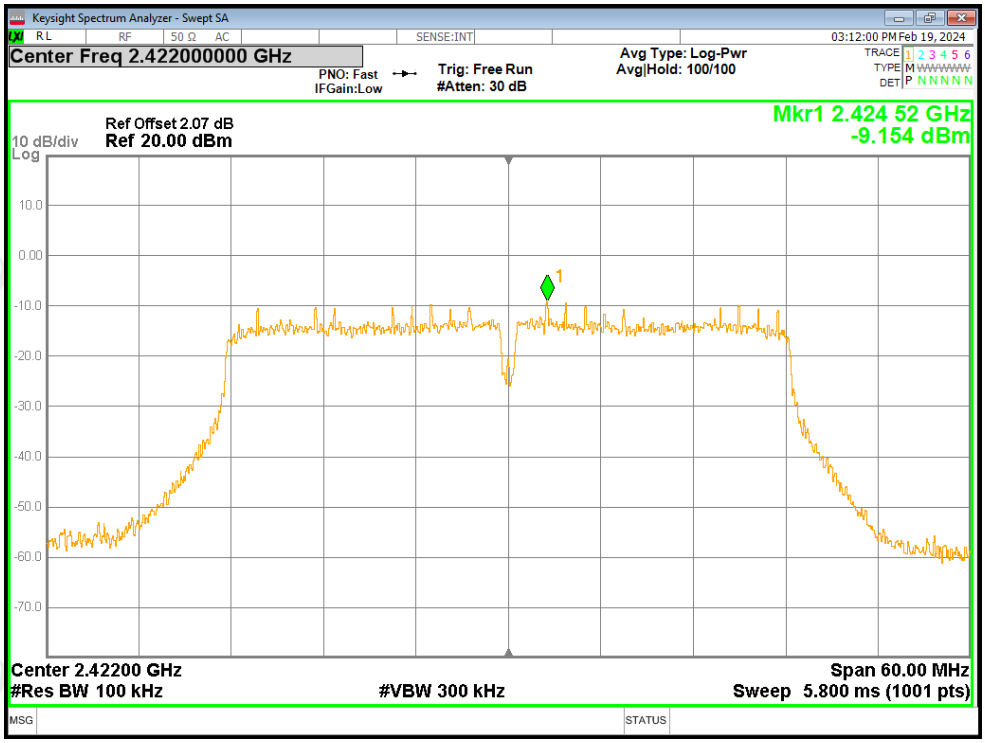
Band Edge NVNT n40 2452MHz Ant2 Ref



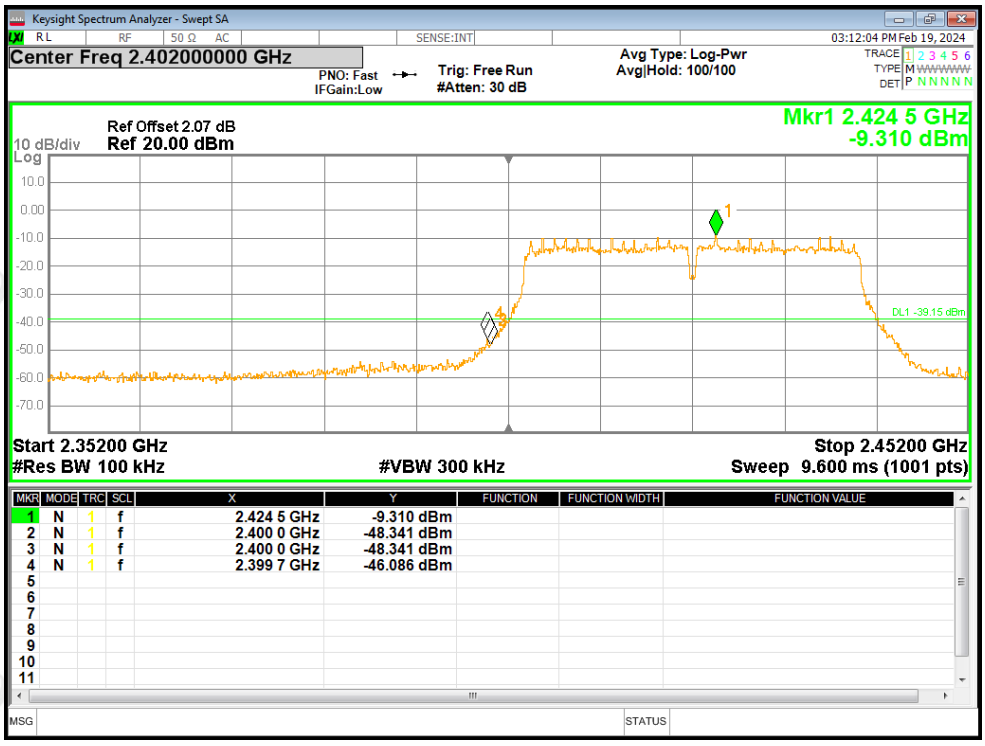
Band Edge NVNT n40 2452MHz Ant2 Emission



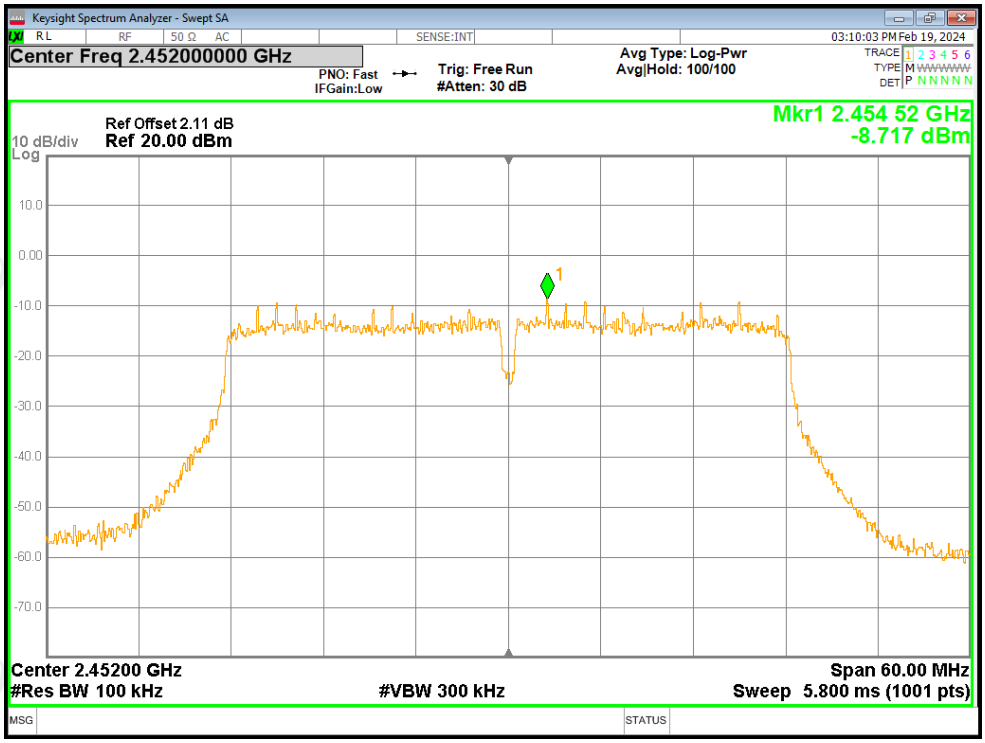
Band Edge NVNT n40 2422MHz MIMO Ref



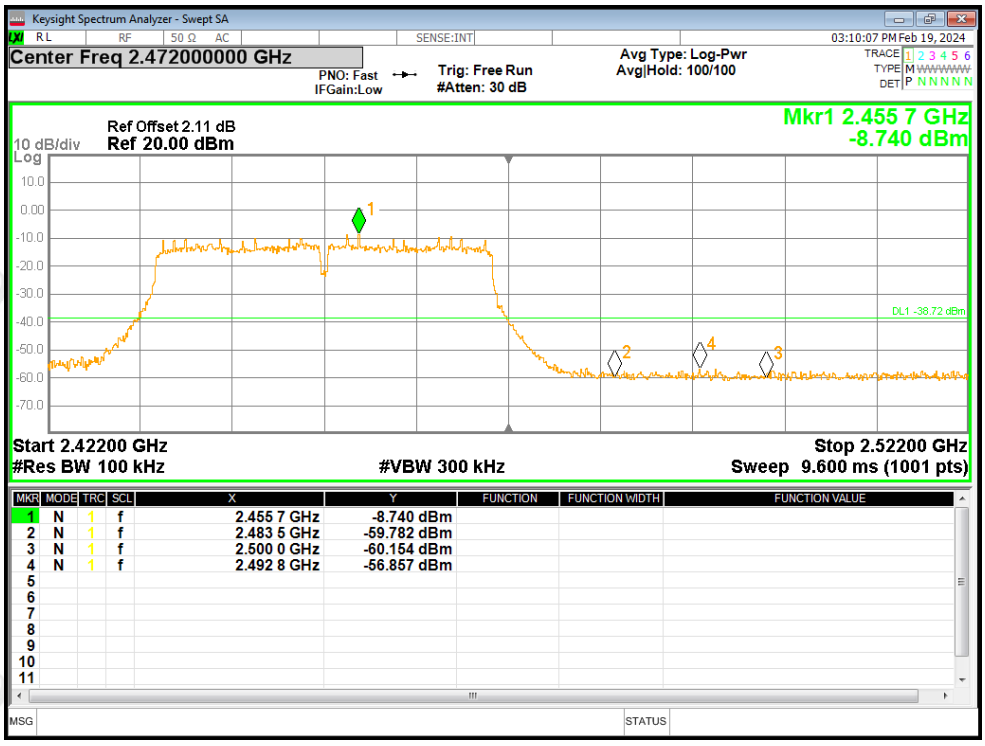
Band Edge NVNT n40 2422MHz MIMO Emission



Band Edge NVNT n40 2452MHz MIMO Ref



Band Edge NVNT n40 2452MHz MIMO Emission

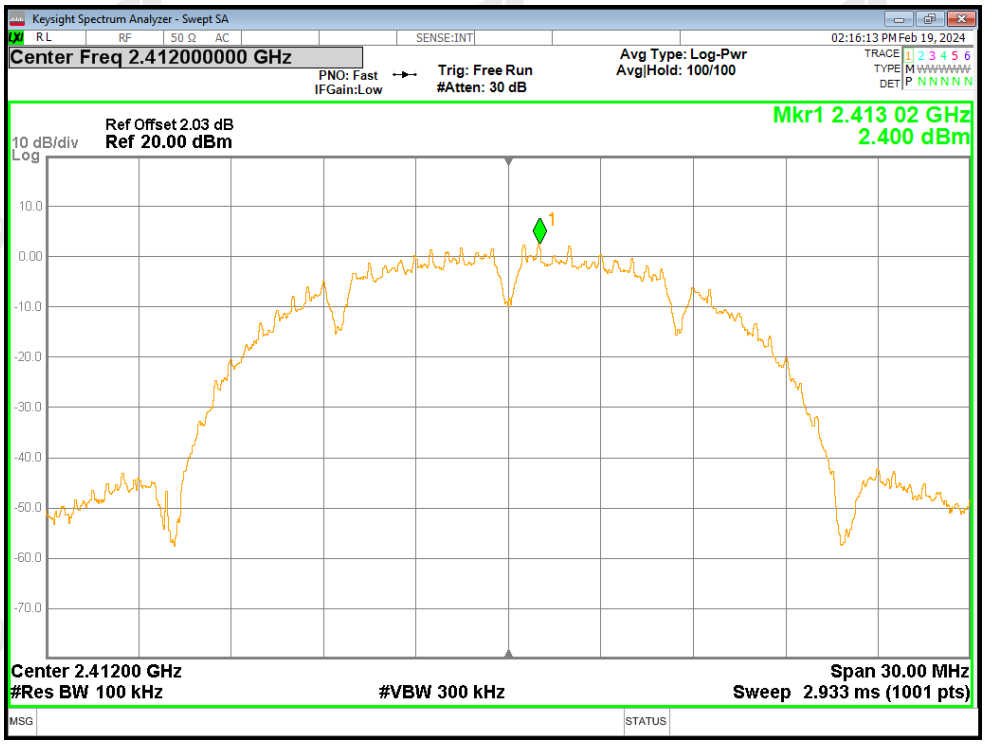


A7. Conducted RF Spurious Emission

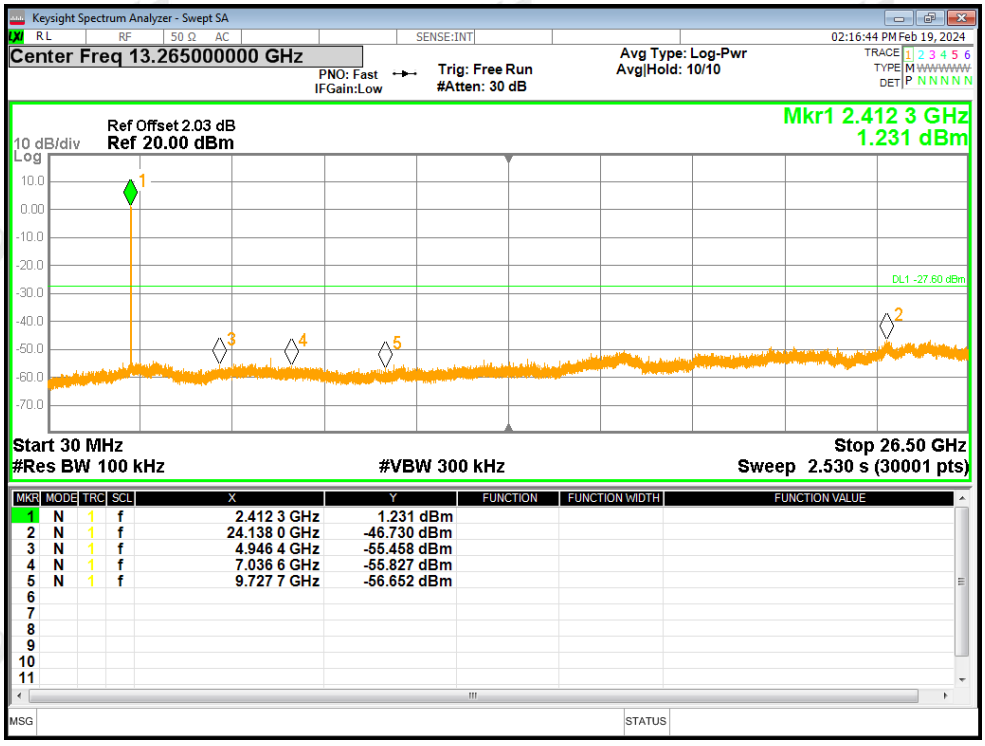
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.13	-30	Pass
NVNT	b	2437	Ant1	-48.88	-30	Pass
NVNT	b	2462	Ant1	-47.03	-30	Pass
NVNT	b	2412	Ant2	-47.72	-30	Pass
NVNT	b	2437	Ant2	-49.15	-30	Pass
NVNT	b	2462	Ant2	-47.01	-30	Pass
NVNT	g	2412	Ant1	-42.29	-30	Pass
NVNT	g	2437	Ant1	-42.26	-30	Pass
NVNT	g	2462	Ant1	-42.66	-30	Pass
NVNT	g	2412	Ant2	-41.31	-30	Pass
NVNT	g	2437	Ant2	-41.76	-30	Pass
NVNT	g	2462	Ant2	-42.54	-30	Pass
NVNT	n20	2412	Ant1	-40.3	-30	Pass
NVNT	n20	2437	Ant1	-39.71	-30	Pass
NVNT	n20	2462	Ant1	-41.02	-30	Pass
NVNT	n20	2412	Ant2	-40.29	-30	Pass
NVNT	n20	2437	Ant2	-41	-30	Pass
NVNT	n20	2462	Ant2	-41.41	-30	Pass
NVNT	n20	2412	MIMO	-40.32	-30	Pass
NVNT	n20	2437	MIMO	-40.6	-30	Pass
NVNT	n20	2462	MIMO	-41.05	-30	Pass
NVNT	n40	2422	Ant1	-37.82	-30	Pass
NVNT	n40	2437	Ant1	-37.88	-30	Pass
NVNT	n40	2452	Ant1	-37.89	-30	Pass
NVNT	n40	2422	Ant2	-37.07	-30	Pass
NVNT	n40	2437	Ant2	-37.41	-30	Pass
NVNT	n40	2452	Ant2	-38.19	-30	Pass
NVNT	n40	2422	MIMO	-37.39	-30	Pass
NVNT	n40	2437	MIMO	-36.93	-30	Pass
NVNT	n40	2452	MIMO	-37.14	-30	Pass

Test Graphs

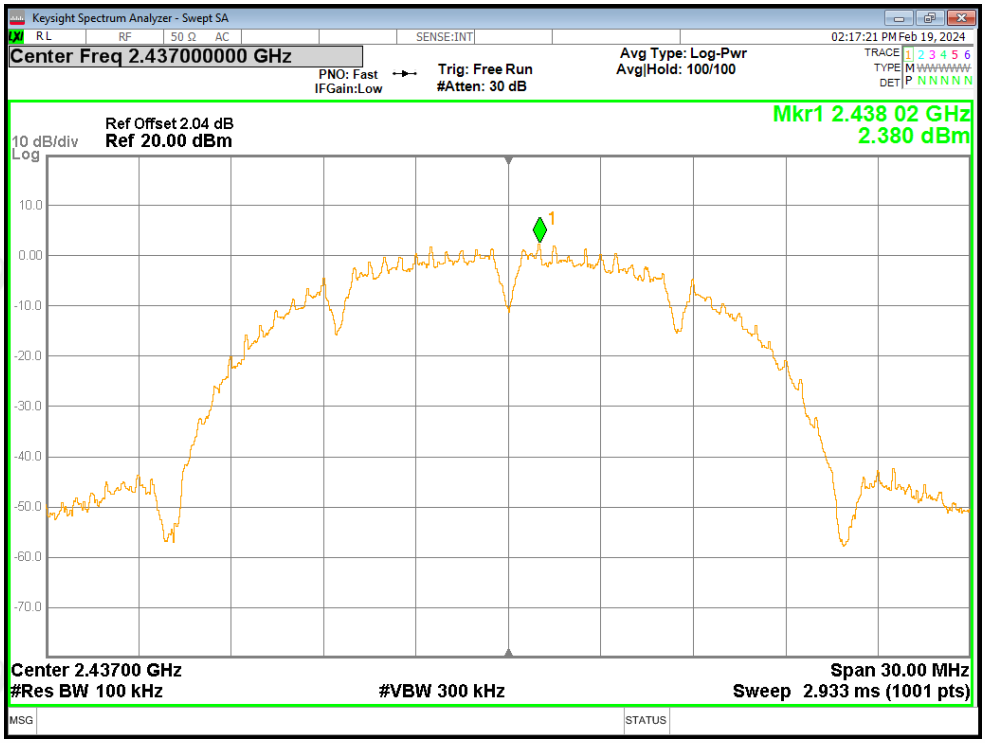
Tx. Spurious NVNT b 2412MHz Ant1 Ref



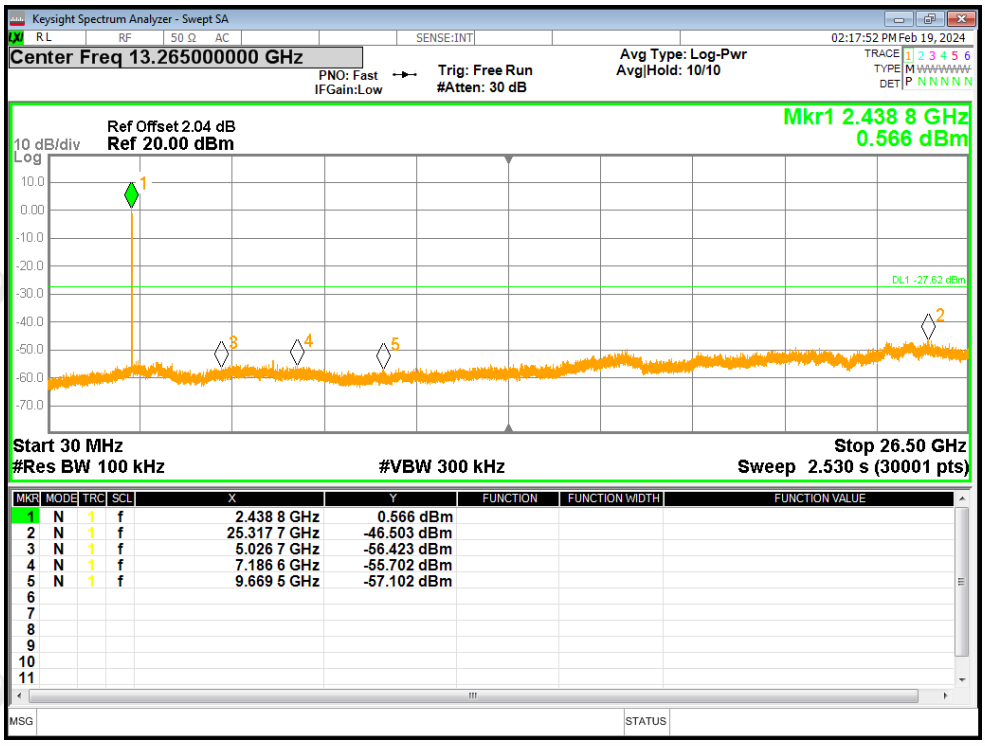
Tx. Spurious NVNT b 2412MHz Ant1 Emission



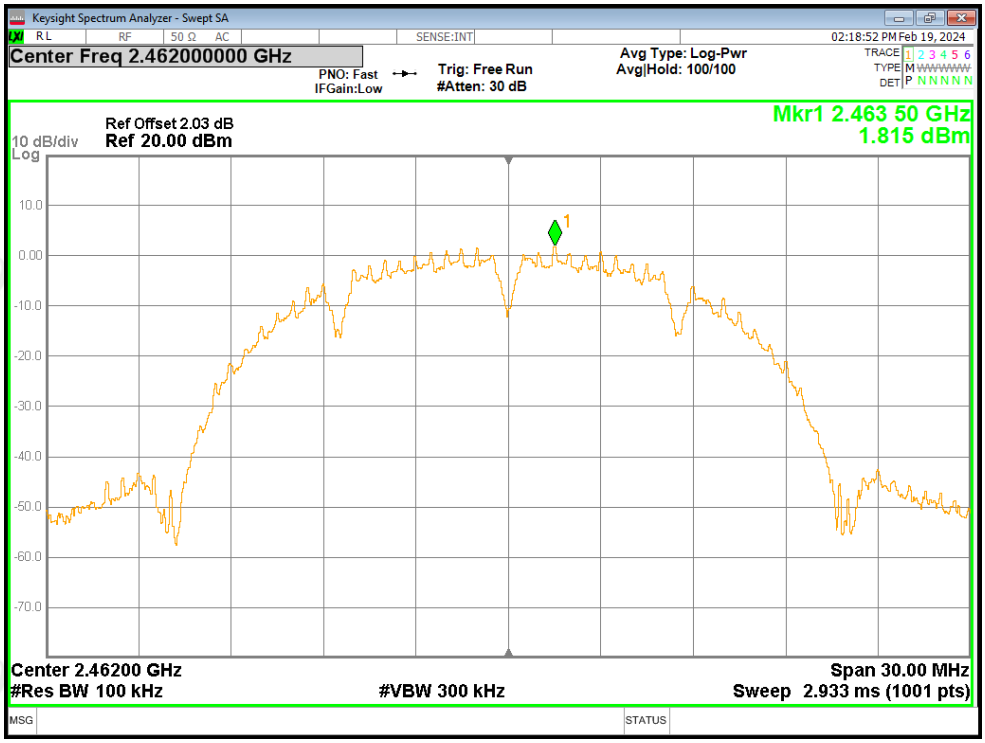
Tx. Spurious NVNT b 2437MHz Ant1 Ref



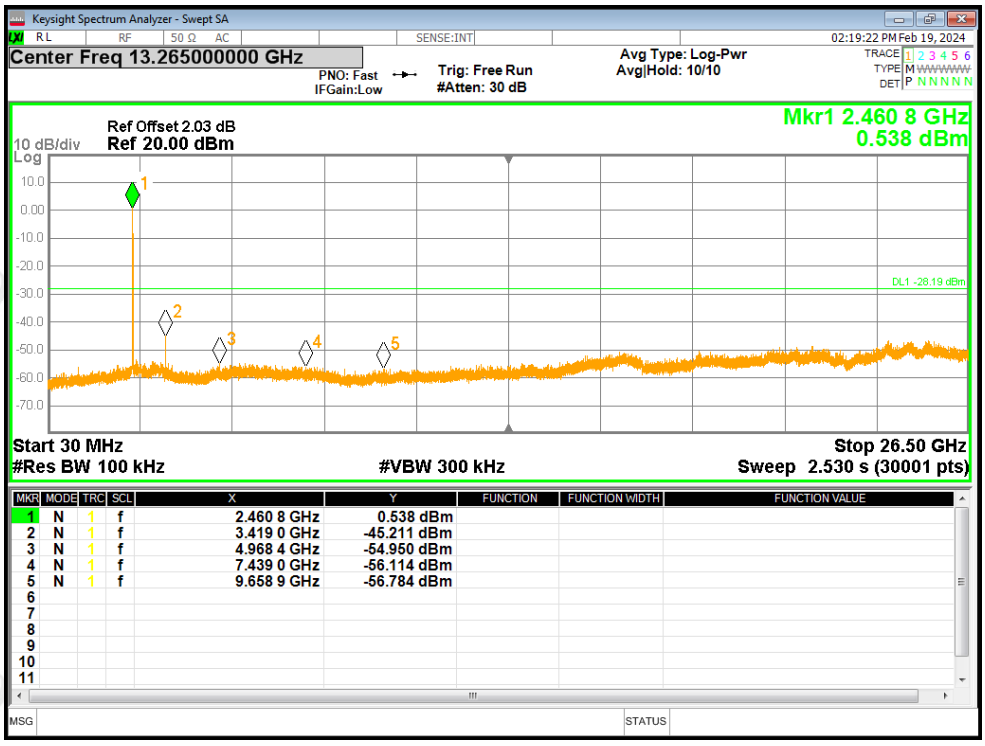
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref

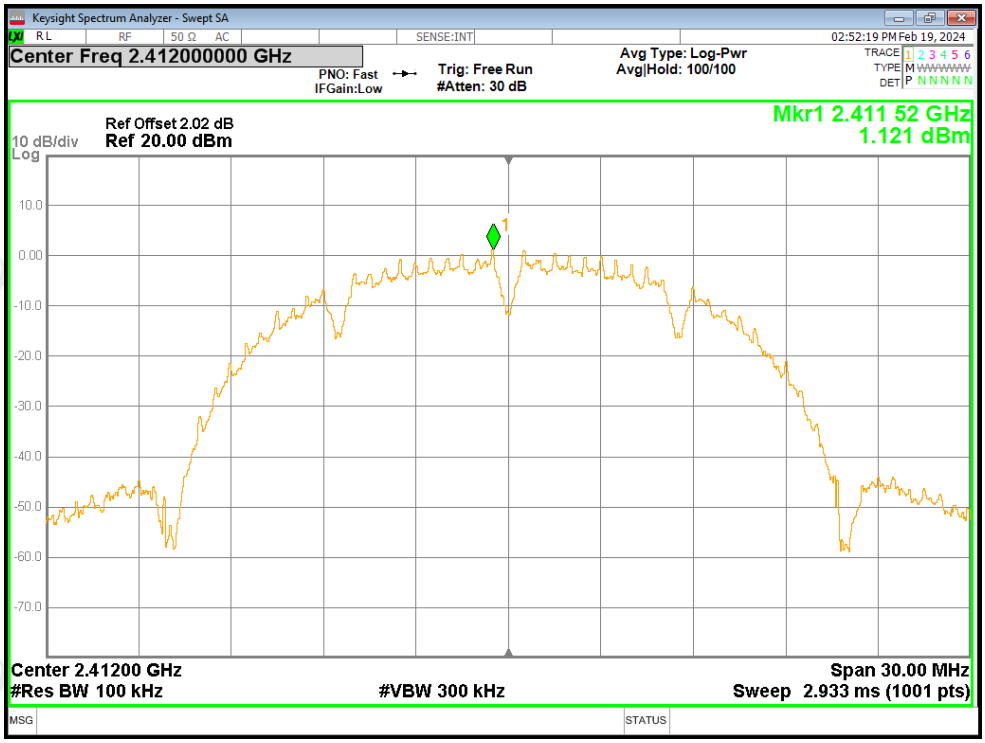


Tx. Spurious NVNT b 2462MHz Ant1 Emission

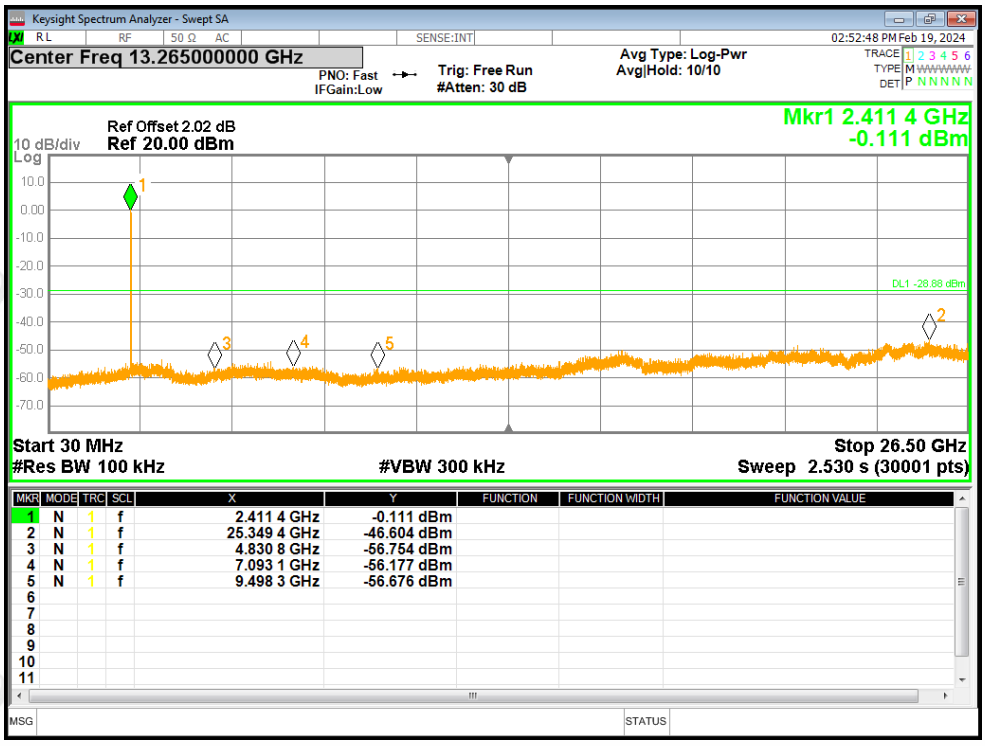


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.460 8 GHz	0.538 dBm			
2	N	1	f	3.419 0 GHz	-45.211 dBm			
3	N	1	f	4.968 4 GHz	-54.950 dBm			
4	N	1	f	7.439 0 GHz	-56.114 dBm			
5	N	1	f	9.658 9 GHz	-56.784 dBm			
6								
7								
8								
9								
10								
11								

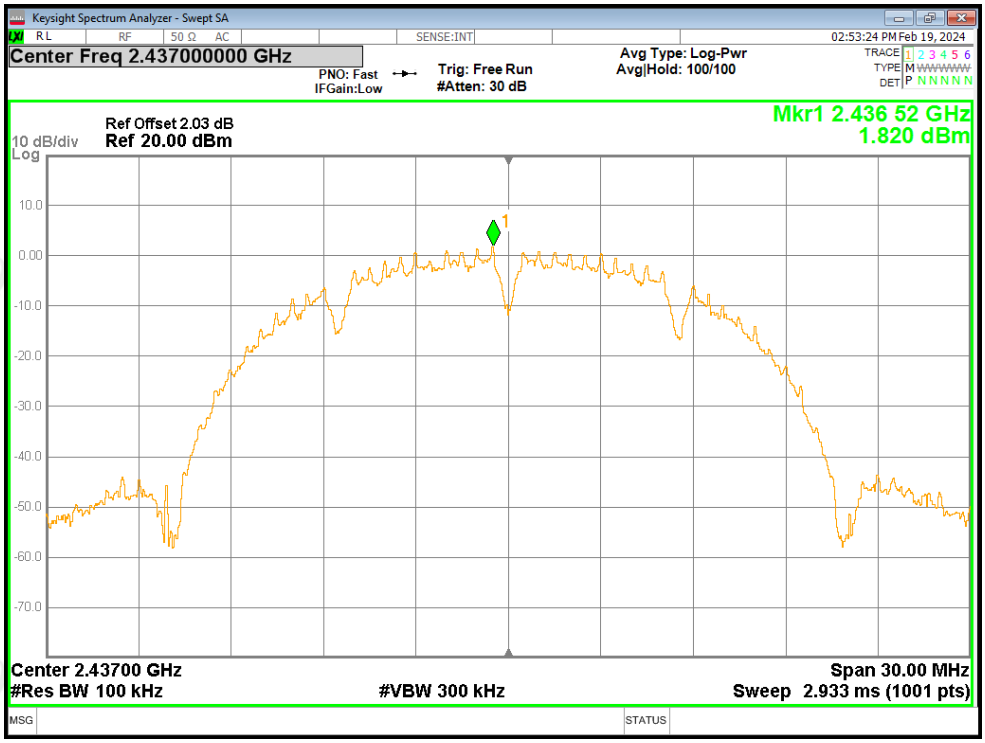
Tx. Spurious NVNT b 2412MHz Ant2 Ref



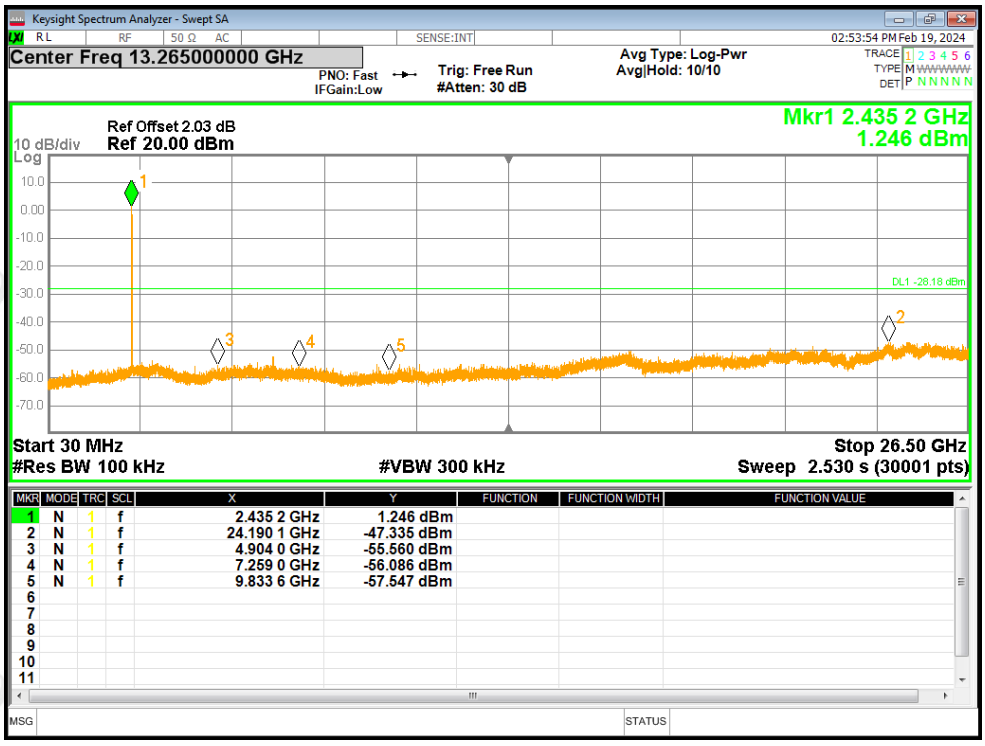
Tx. Spurious NVNT b 2412MHz Ant2 Emission



Tx. Spurious NVNT b 2437MHz Ant2 Ref

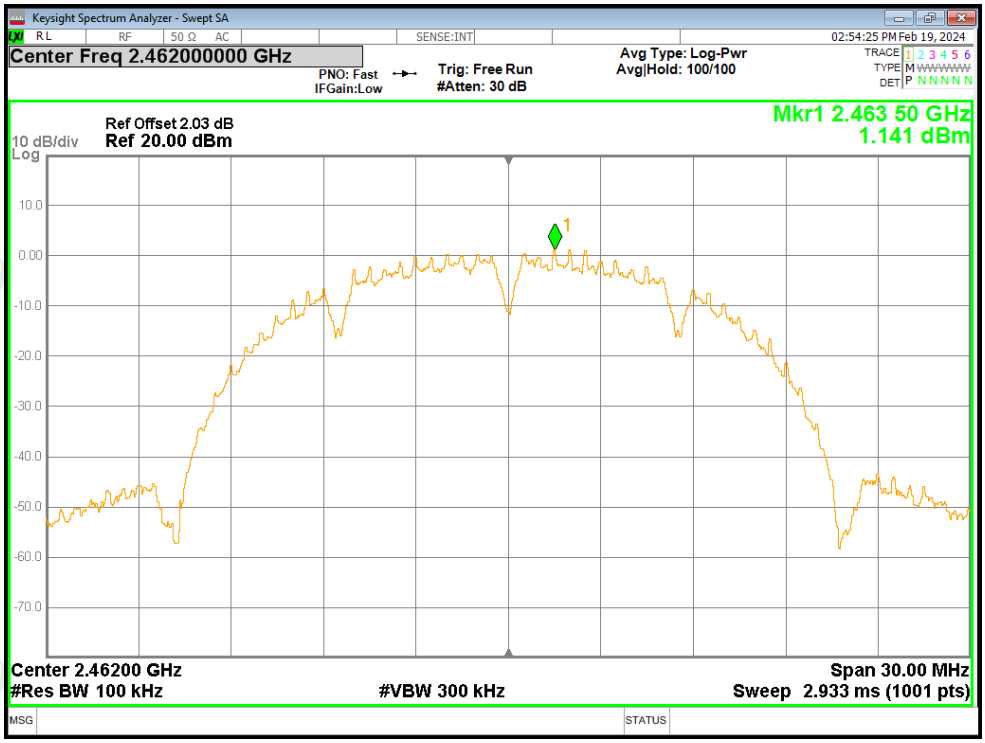


Tx. Spurious NVNT b 2437MHz Ant2 Emission

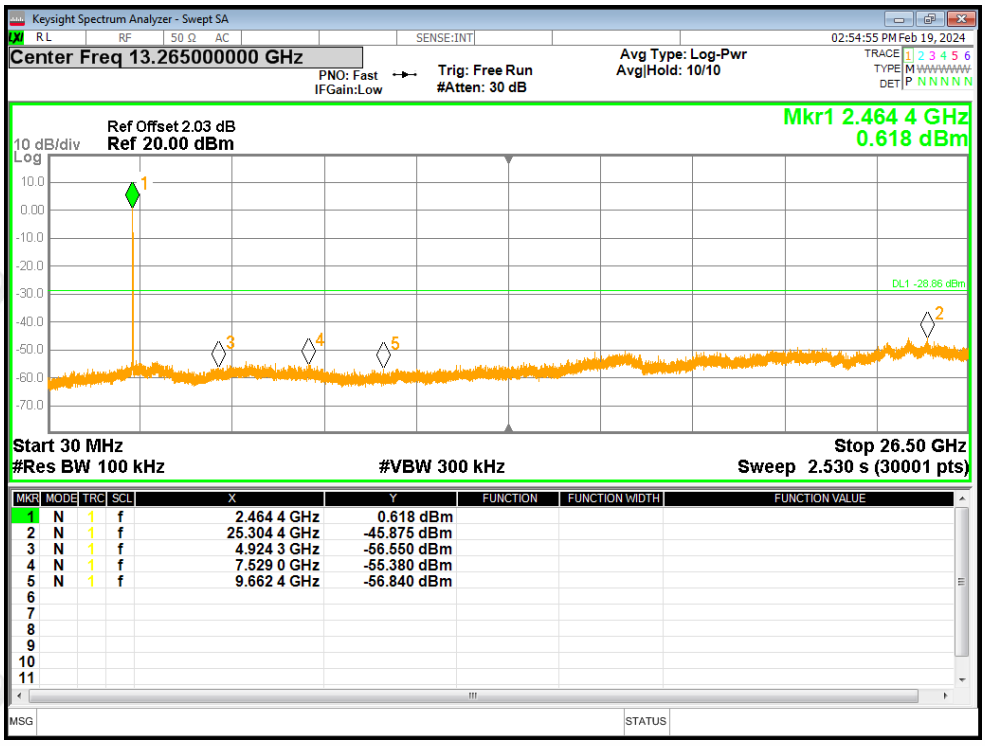


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.435 2 GHz	1.246 dBm			
2	N	1	f	24.190 1 GHz	-47.335 dBm			
3	N	1	f	4.904 0 GHz	-55.560 dBm			
4	N	1	f	7.259 0 GHz	-56.086 dBm			
5	N	1	f	9.833 6 GHz	-57.547 dBm			
6								
7								
8								
9								
10								
11								

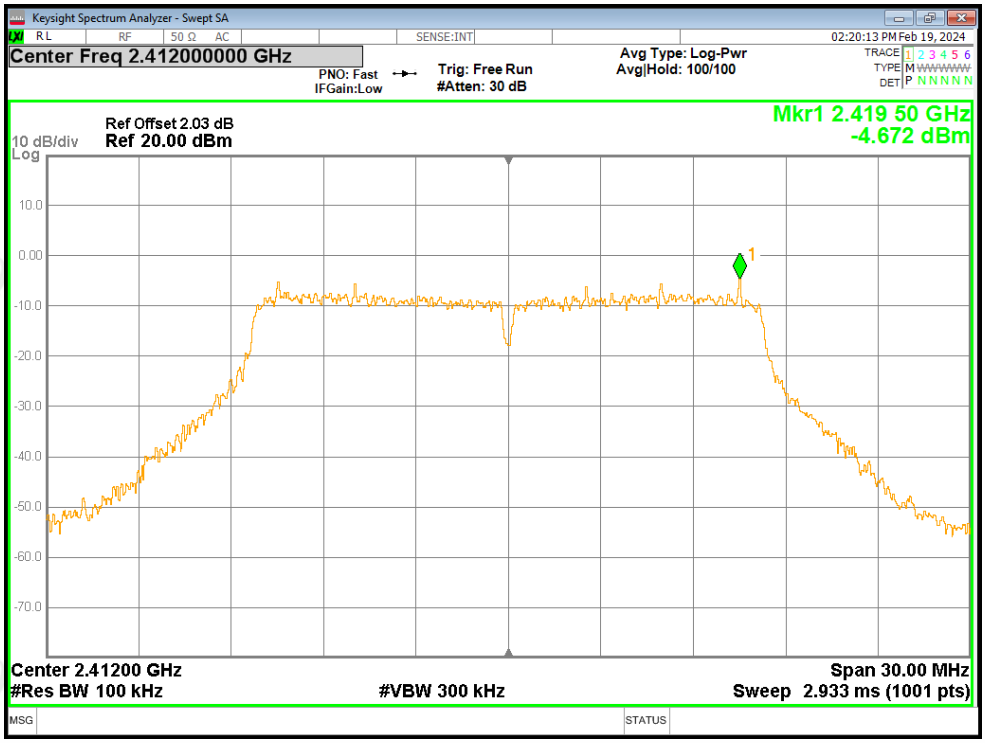
Tx. Spurious NVNT b 2462MHz Ant2 Ref



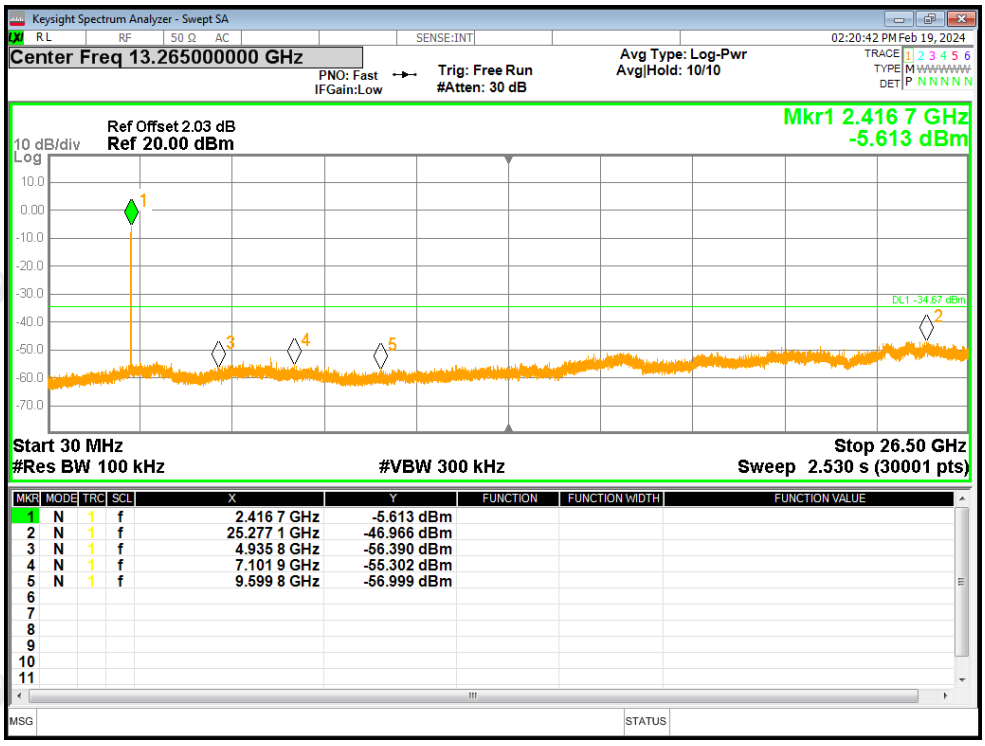
Tx. Spurious NVNT b 2462MHz Ant2 Emission



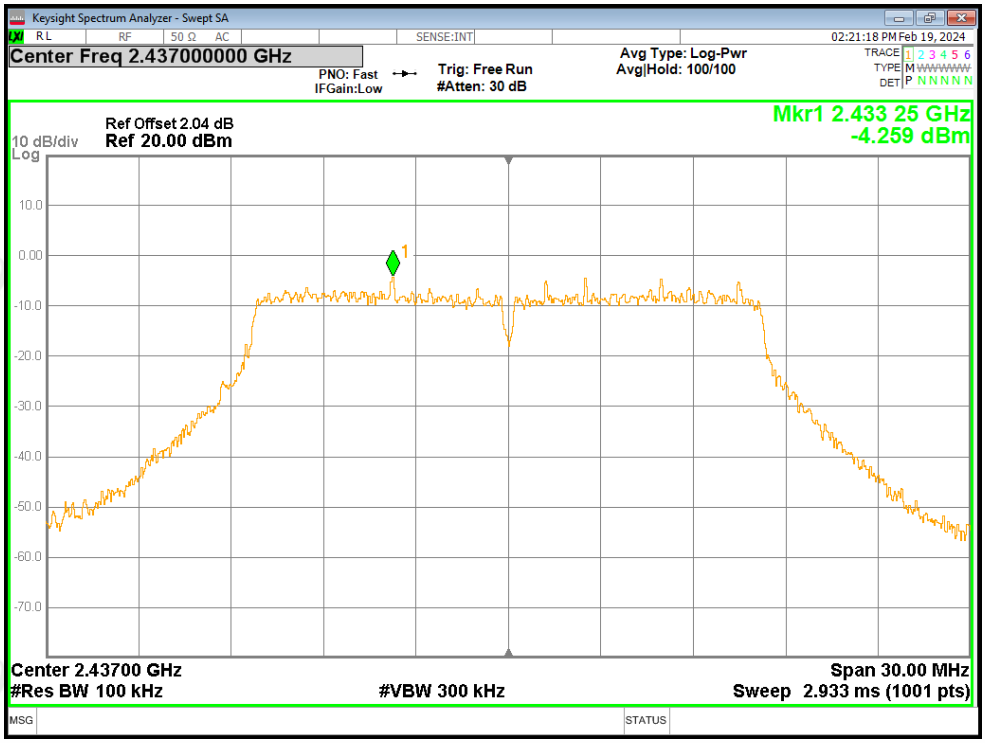
Tx. Spurious NVNT g 2412MHz Ant1 Ref



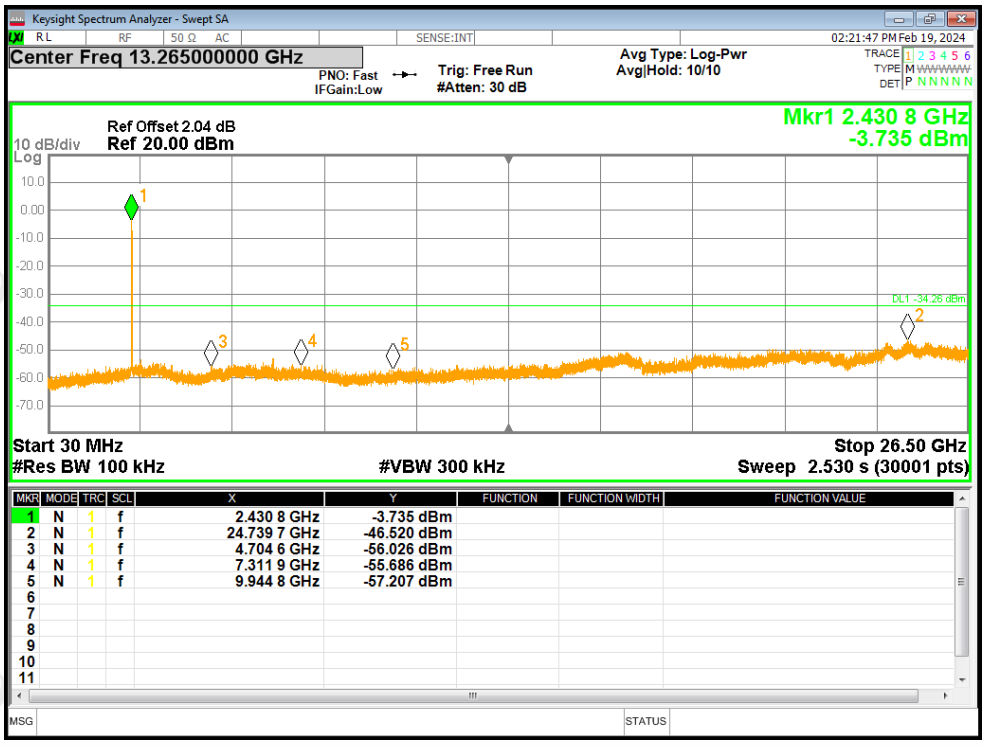
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref

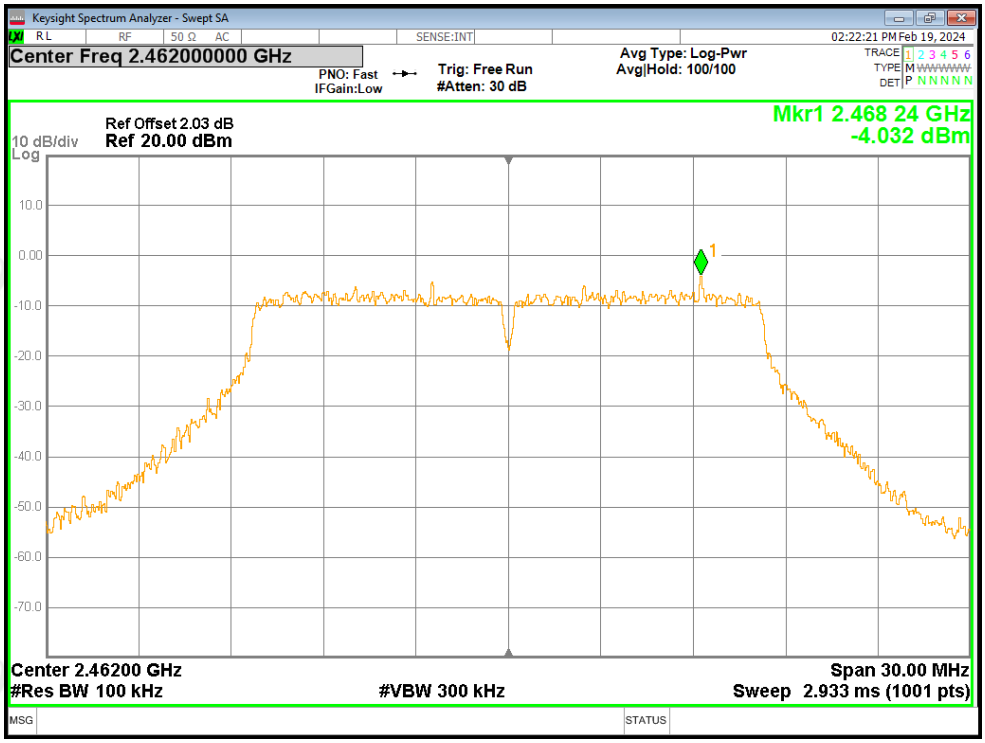


Tx. Spurious NVNT g 2437MHz Ant1 Emission

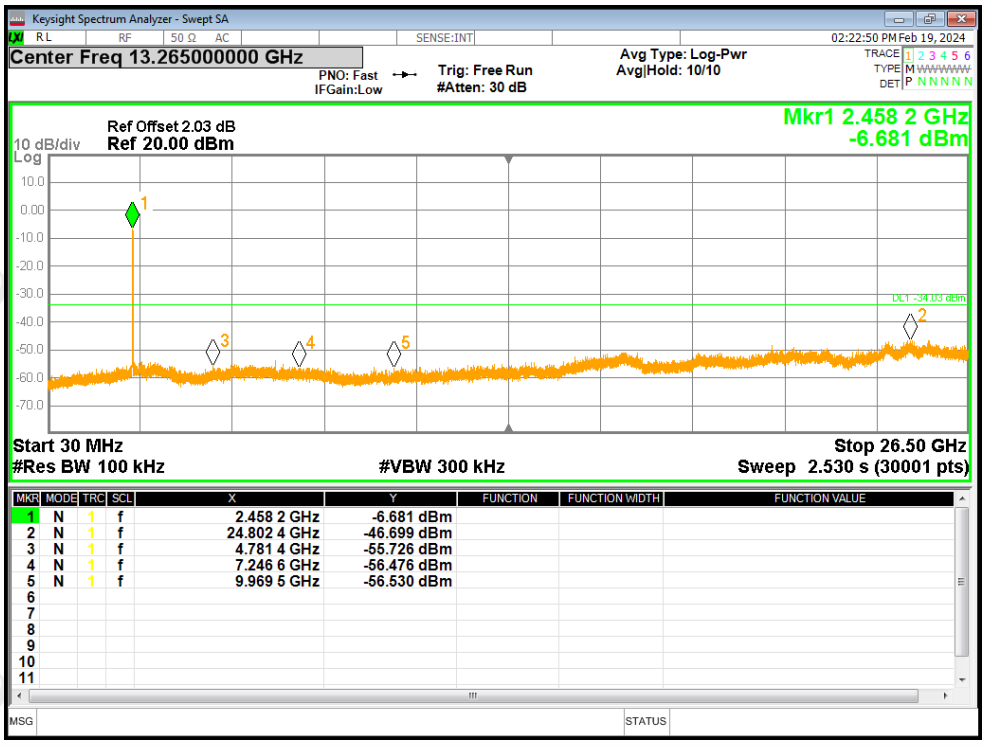


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.430 8 GHz	-3.735 dBm			
2	N	1	f	24.739 7 GHz	-46.520 dBm			
3	N	1	f	4.704 6 GHz	-56.026 dBm			
4	N	1	f	7.311 9 GHz	-55.686 dBm			
5	N	1	f	9.944 8 GHz	-57.207 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2462MHz Ant1 Ref

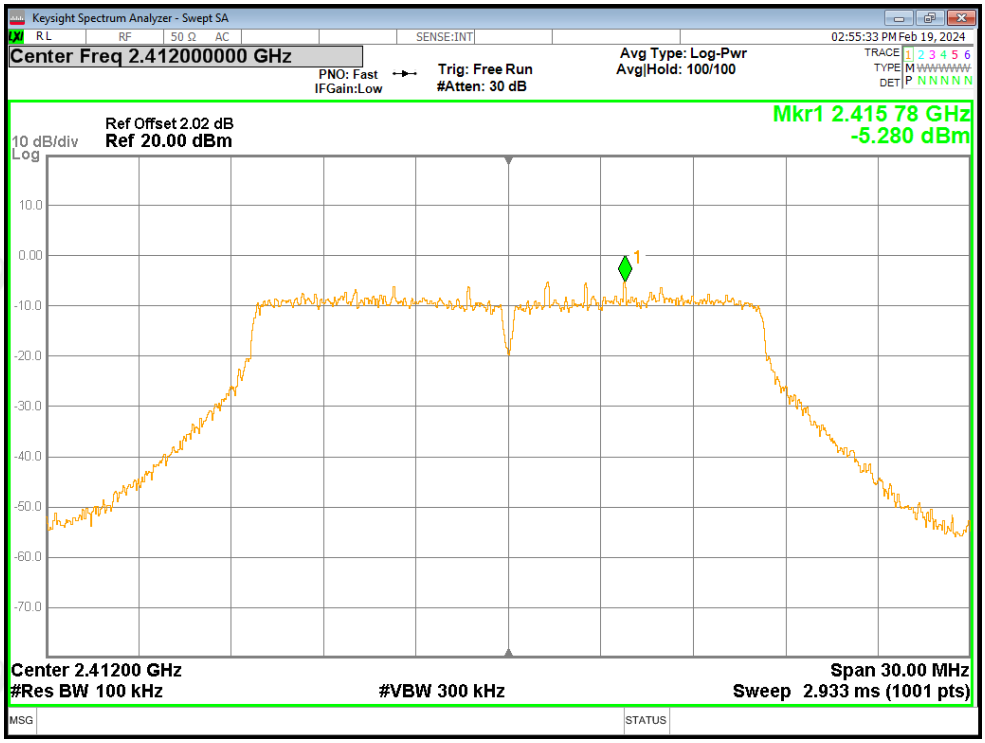


Tx. Spurious NVNT g 2462MHz Ant1 Emission

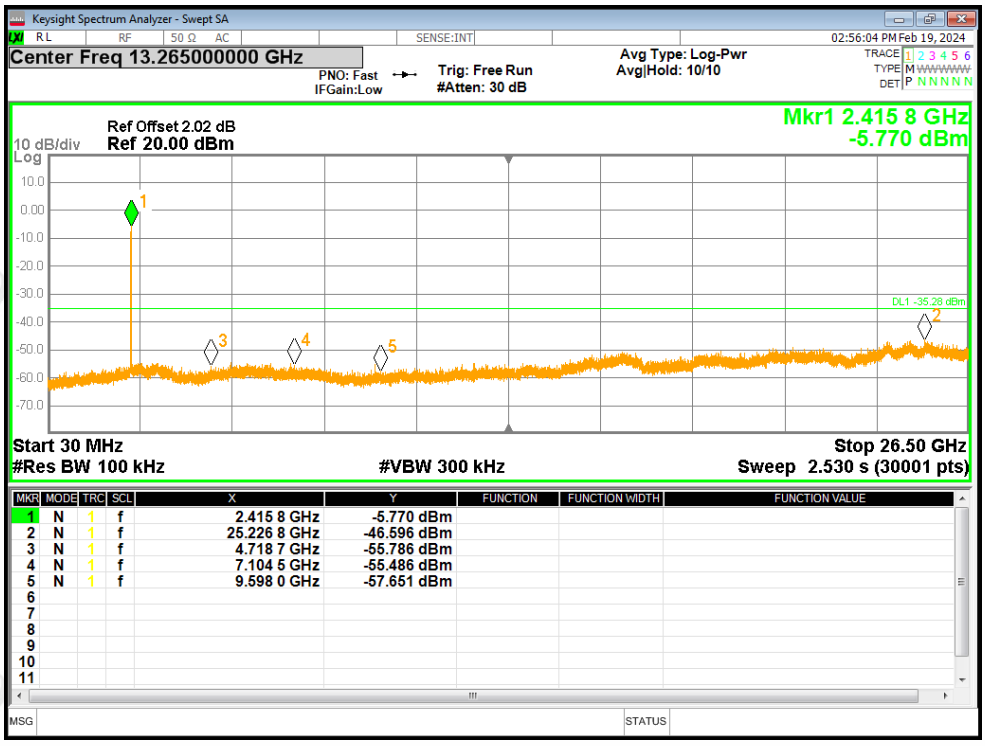


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.458 2 GHz	-6.681 dBm			
2	N	1	f	24.802 4 GHz	-46.699 dBm			
3	N	1	f	4.781 4 GHz	-55.726 dBm			
4	N	1	f	7.246 6 GHz	-56.476 dBm			
5	N	1	f	9.969 5 GHz	-56.530 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2412MHz Ant2 Ref

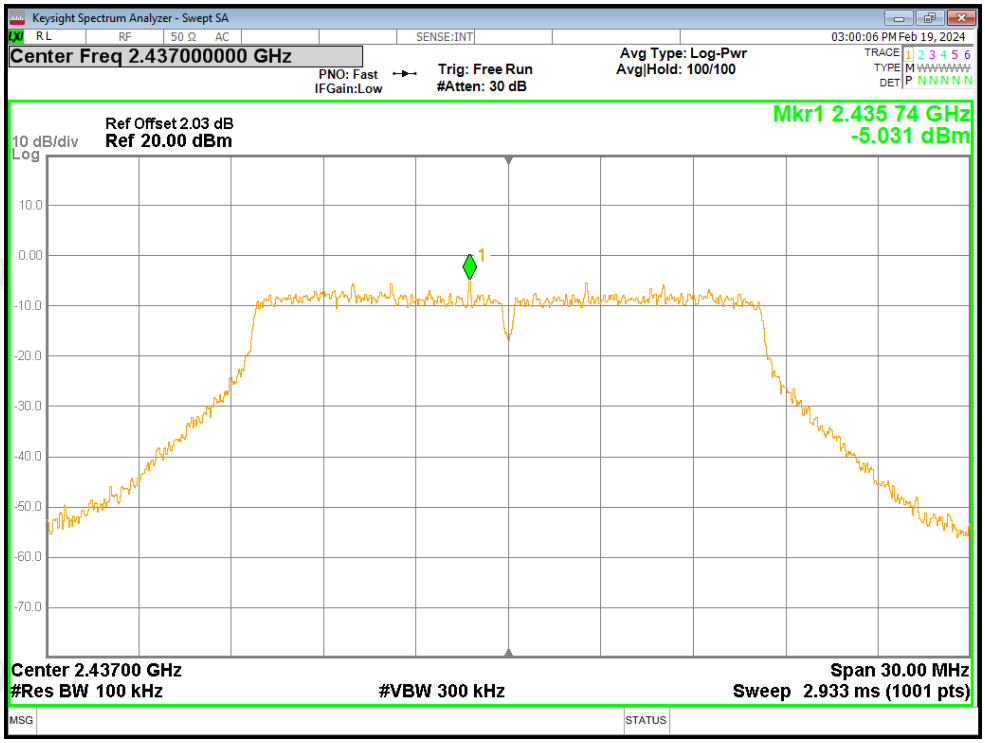


Tx. Spurious NVNT g 2412MHz Ant2 Emission

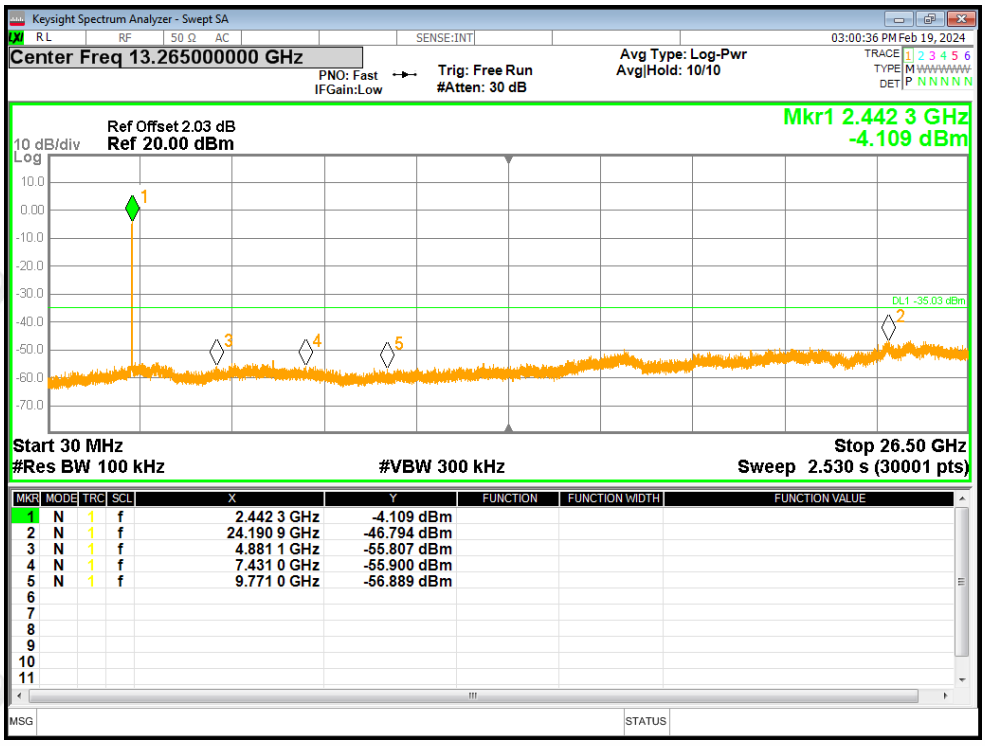


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.415 8 GHz	-5.770 dBm			
2	N	1	f	25.226 8 GHz	-46.596 dBm			
3	N	1	f	4.718 7 GHz	-55.786 dBm			
4	N	1	f	7.104 5 GHz	-55.486 dBm			
5	N	1	f	9.598 0 GHz	-57.651 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2437MHz Ant2 Ref

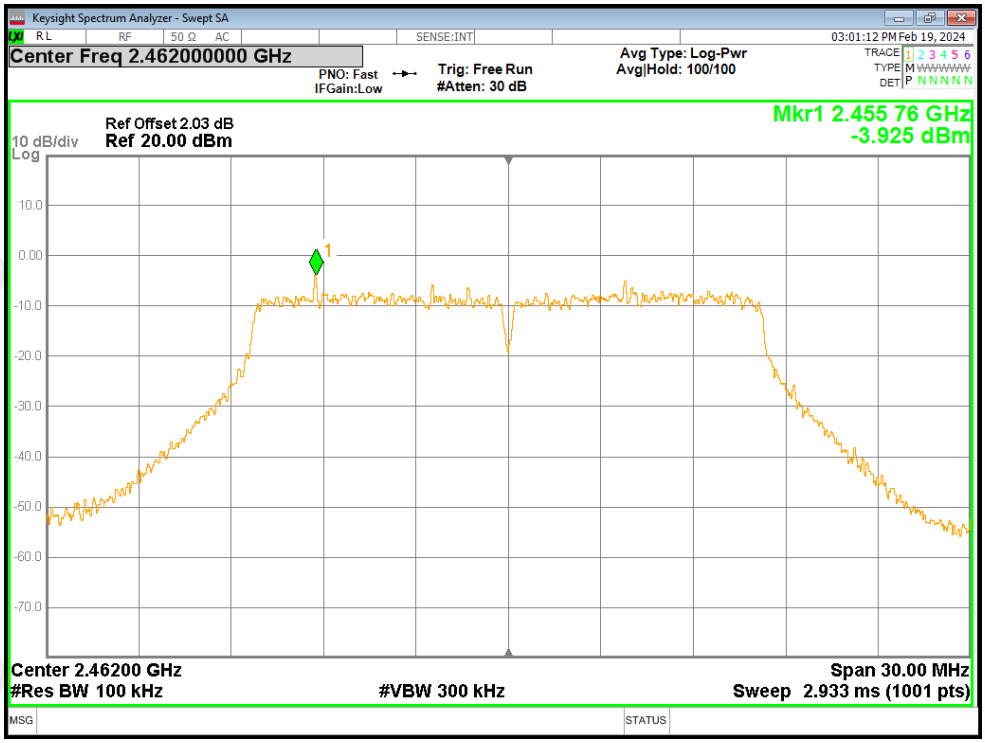


Tx. Spurious NVNT g 2437MHz Ant2 Emission

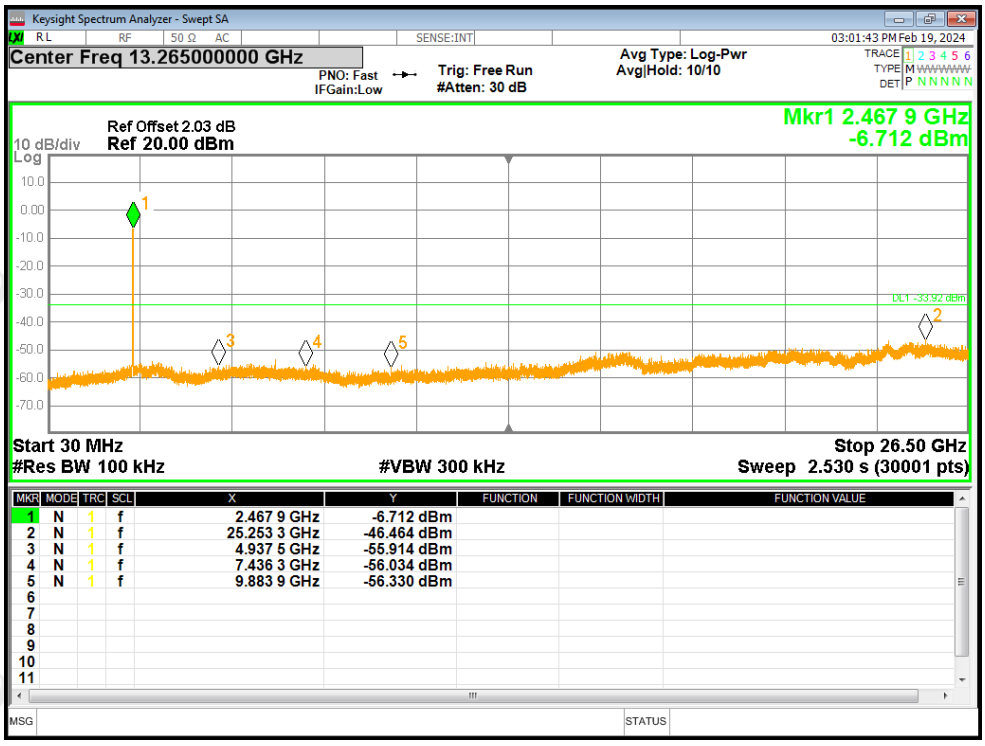


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.442 3 GHz	-4.109 dBm			
2	N	1	f	24.190 9 GHz	-46.794 dBm			
3	N	1	f	4.881 1 GHz	-55.807 dBm			
4	N	1	f	7.431 0 GHz	-55.900 dBm			
5	N	1	f	9.771 0 GHz	-56.889 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2462MHz Ant2 Ref

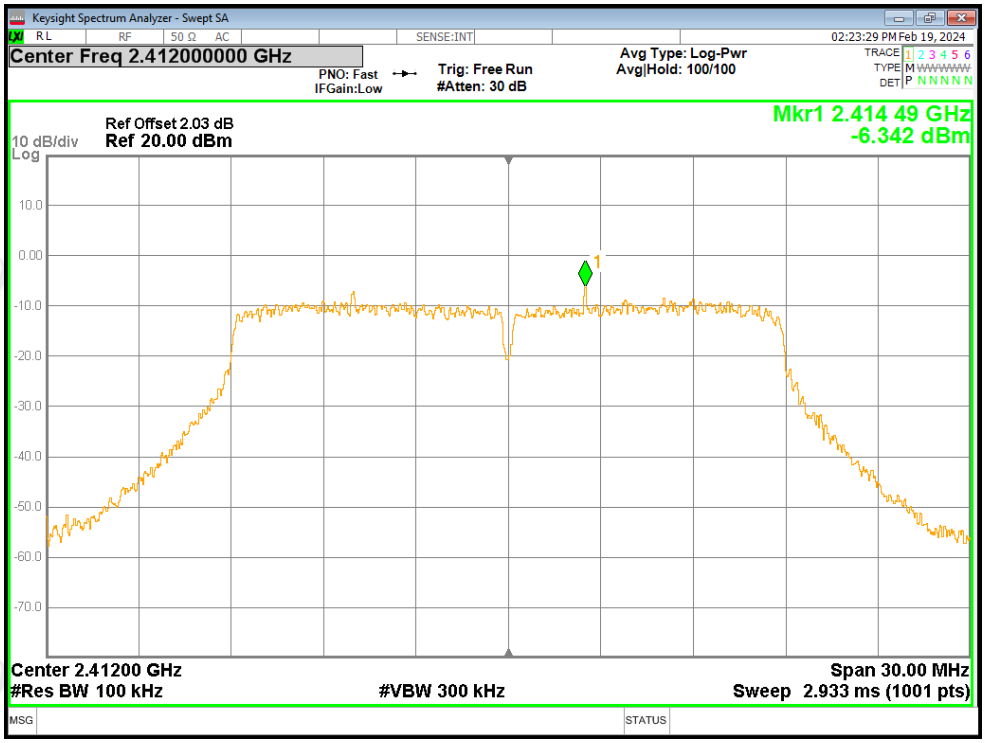


Tx. Spurious NVNT g 2462MHz Ant2 Emission

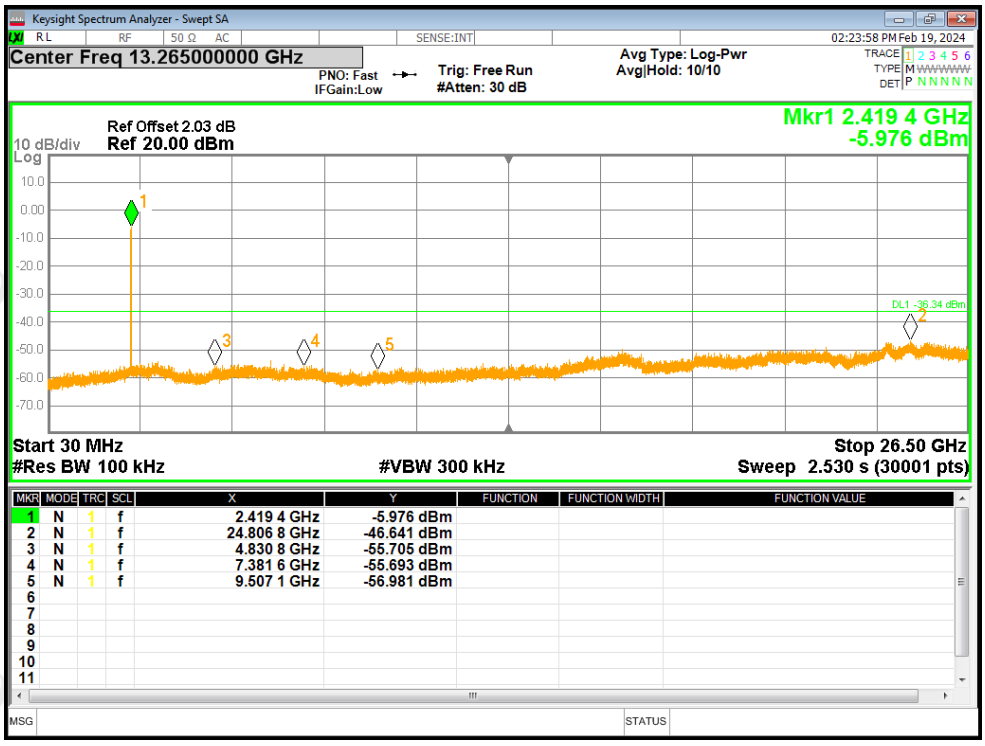


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.467 9 GHz	-6.712 dBm			
2	N	1	f	25.253 3 GHz	-46.464 dBm			
3	N	1	f	4.937 5 GHz	-55.914 dBm			
4	N	1	f	7.436 3 GHz	-56.034 dBm			
5	N	1	f	9.883 9 GHz	-56.330 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n20 2412MHz Ant1 Ref

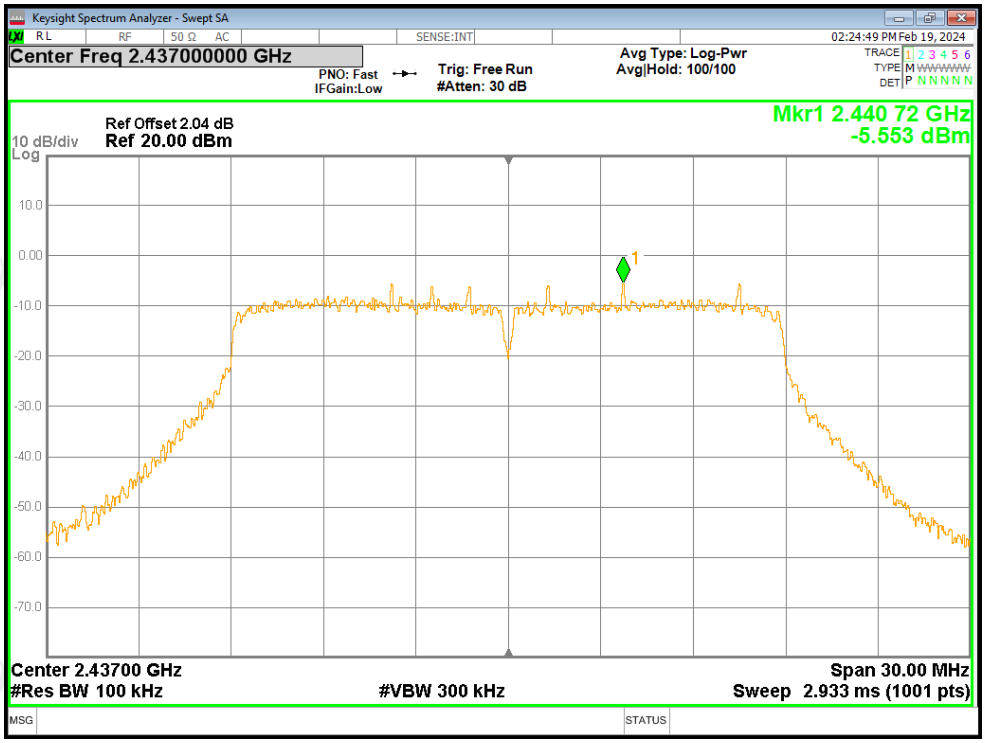


Tx. Spurious NVNT n20 2412MHz Ant1 Emission

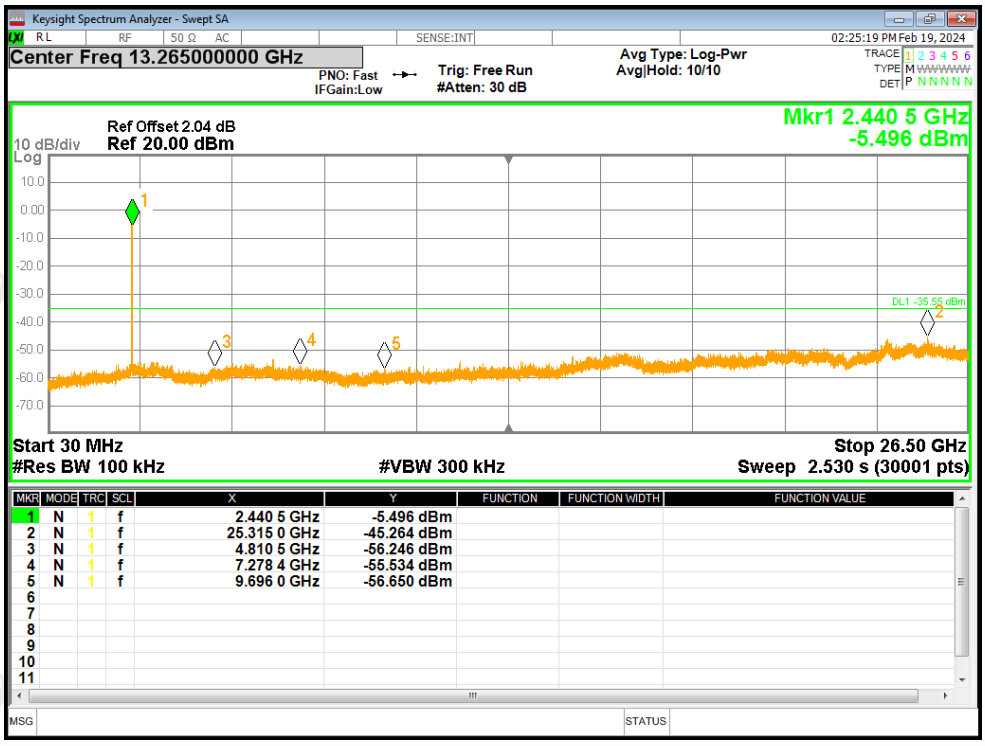


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.419 4 GHz	-5.976 dBm			
2	N	1	f	24.806 8 GHz	-46.641 dBm			
3	N	1	f	4.830 8 GHz	-55.705 dBm			
4	N	1	f	7.381 6 GHz	-55.693 dBm			
5	N	1	f	9.507 1 GHz	-56.981 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n20 2437MHz Ant1 Ref

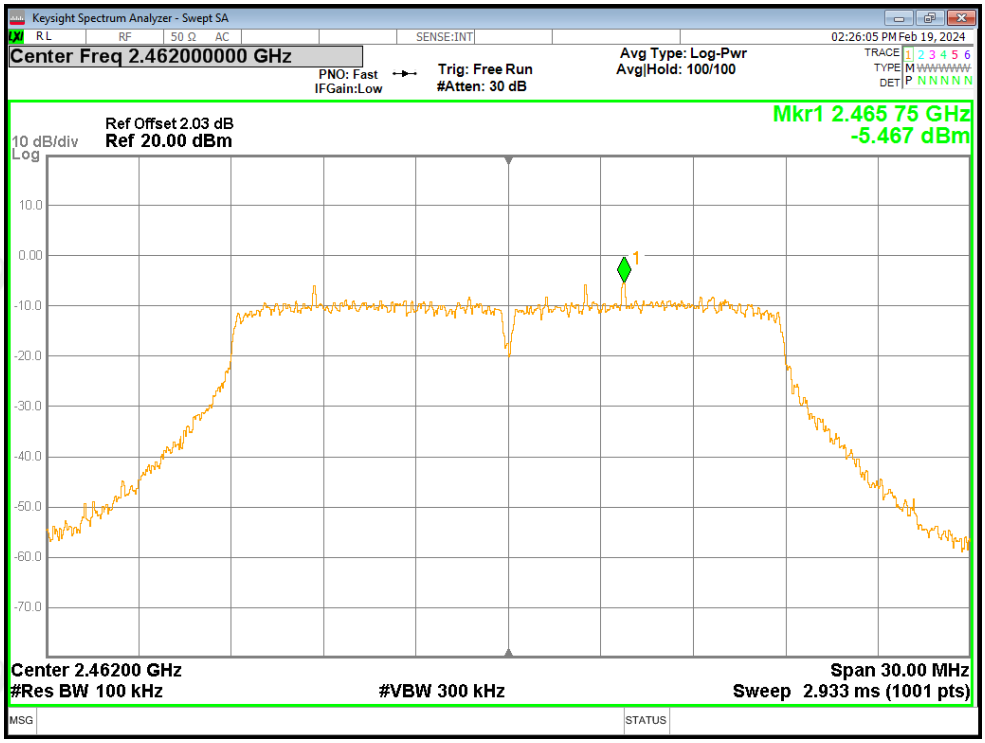


Tx. Spurious NVNT n20 2437MHz Ant1 Emission

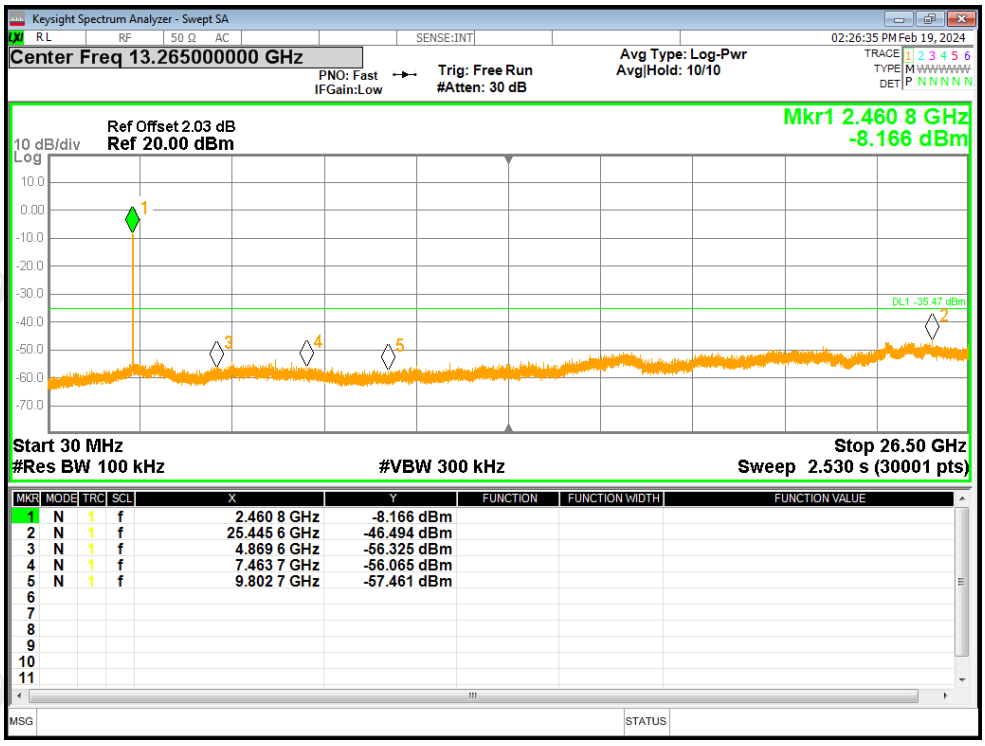


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	-5.496 dBm			
2	N	1	f	25.315 0 GHz	-45.264 dBm			
3	N	1	f	4.810 5 GHz	-56.246 dBm			
4	N	1	f	7.278 4 GHz	-55.534 dBm			
5	N	1	f	9.696 0 GHz	-56.650 dBm			
6								
7								
8								
9								
10								
11								

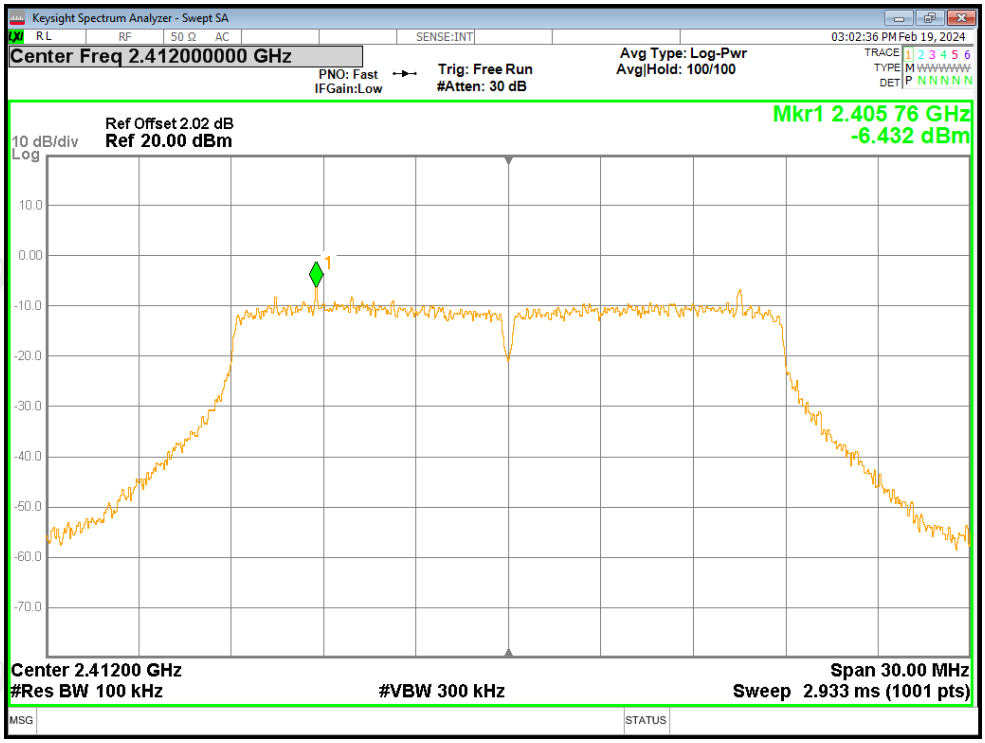
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



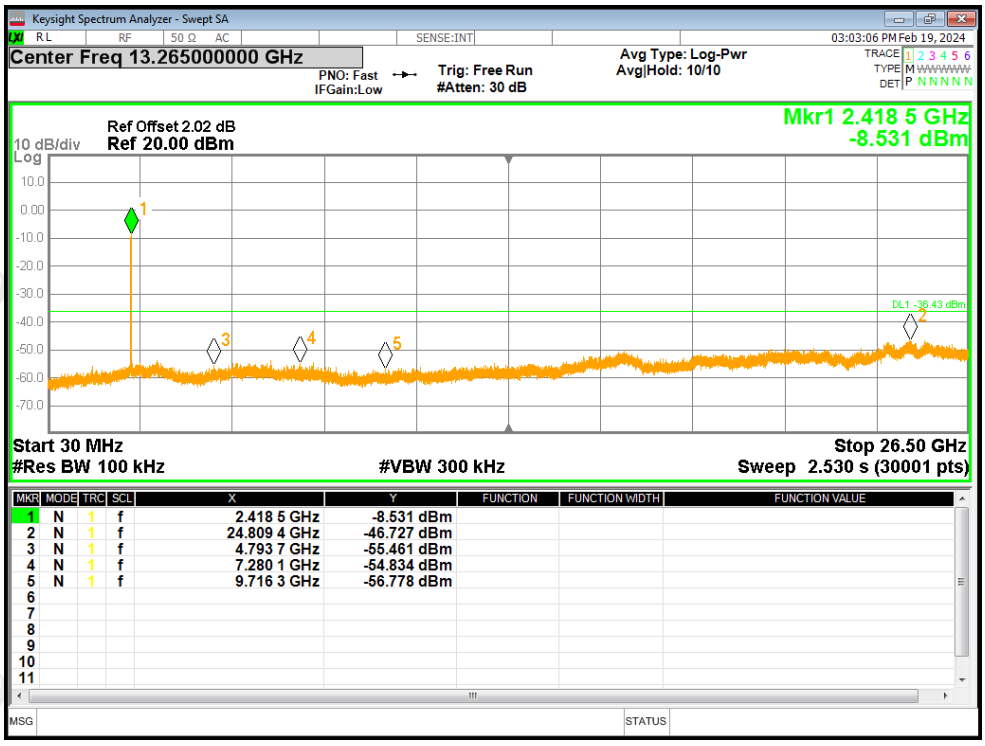
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



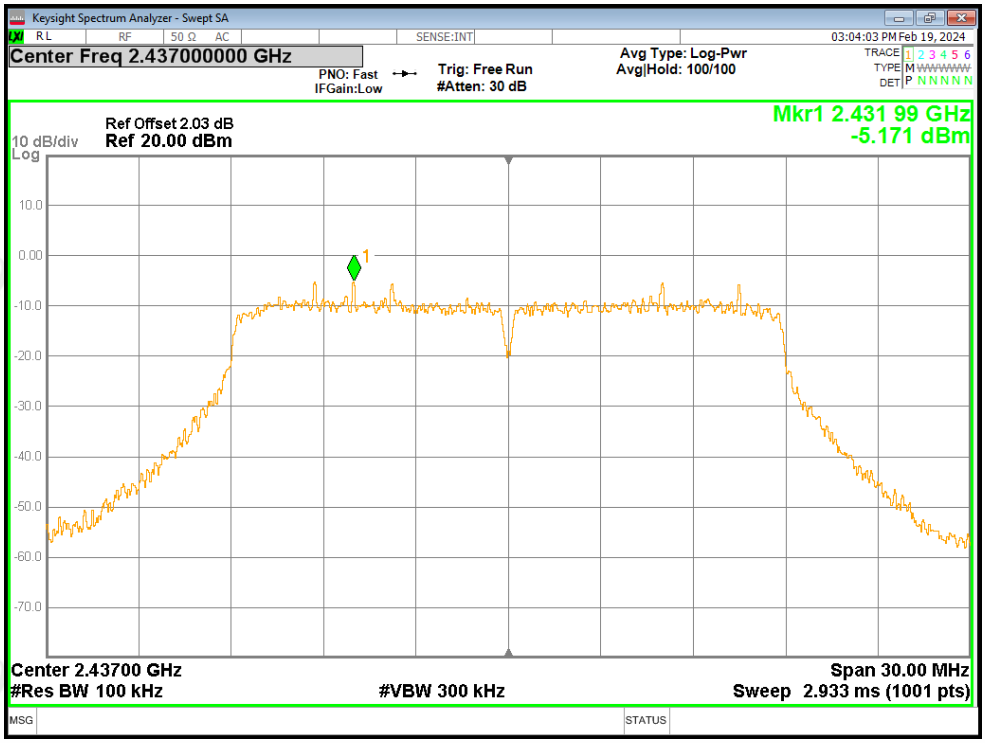
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



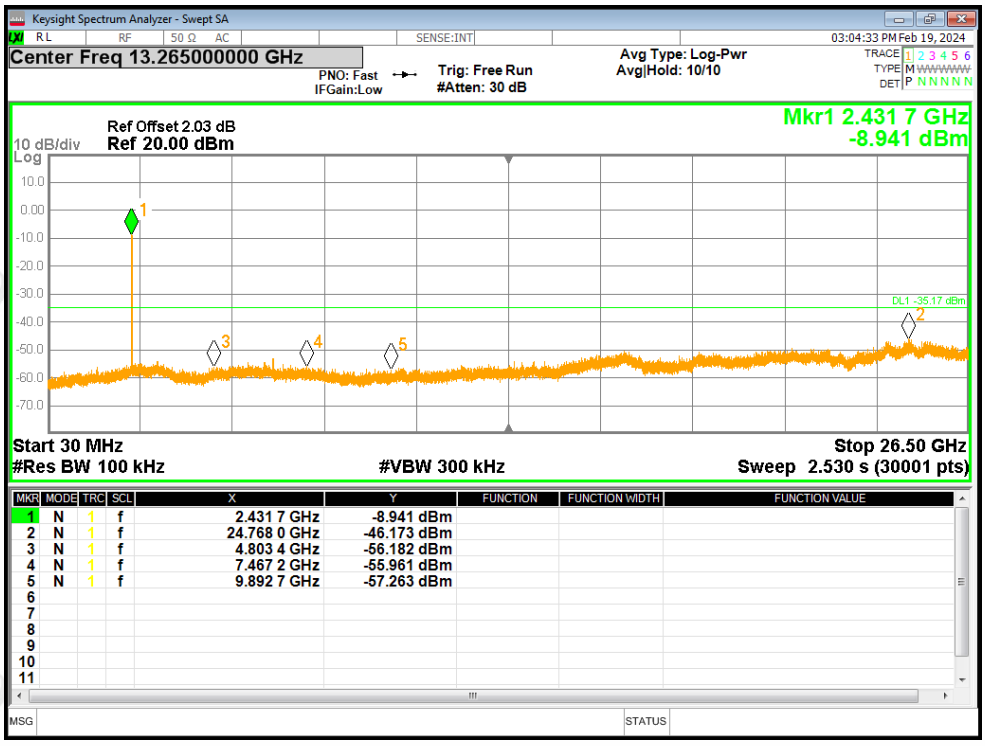
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



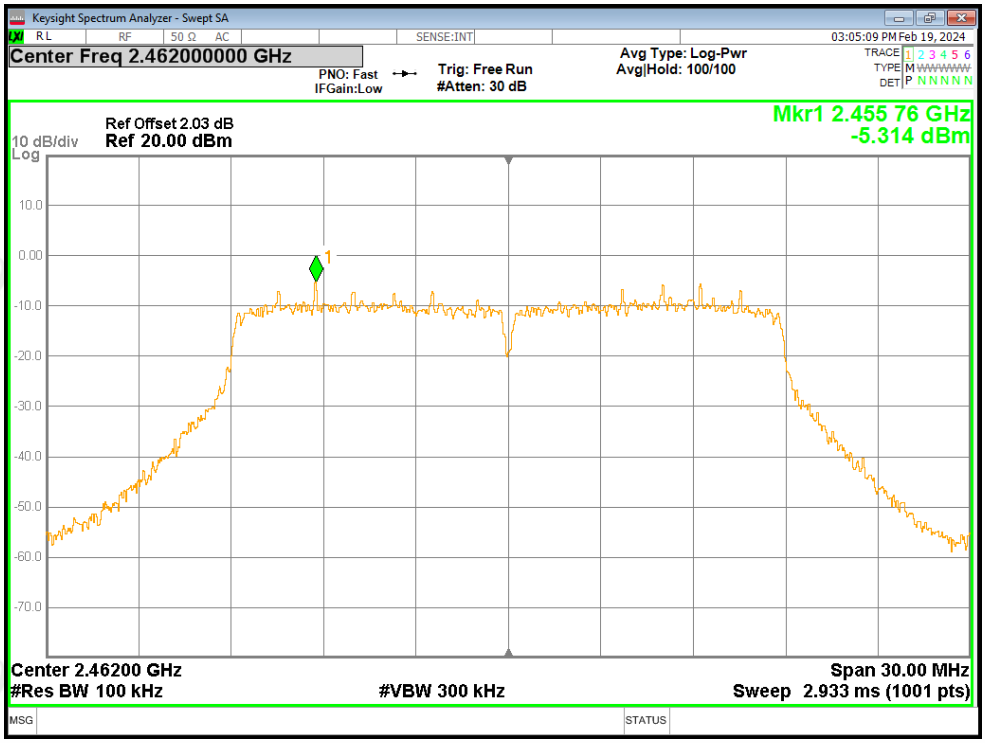
Tx. Spurious NVNT n20 2437MHz Ant2 Ref



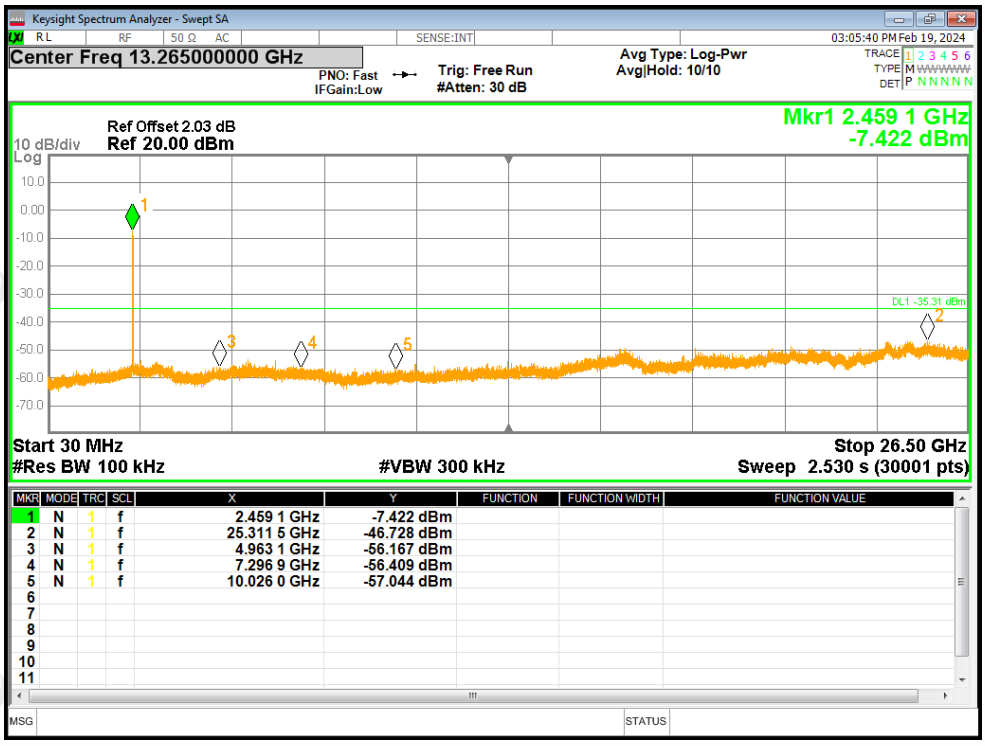
Tx. Spurious NVNT n20 2437MHz Ant2 Emission



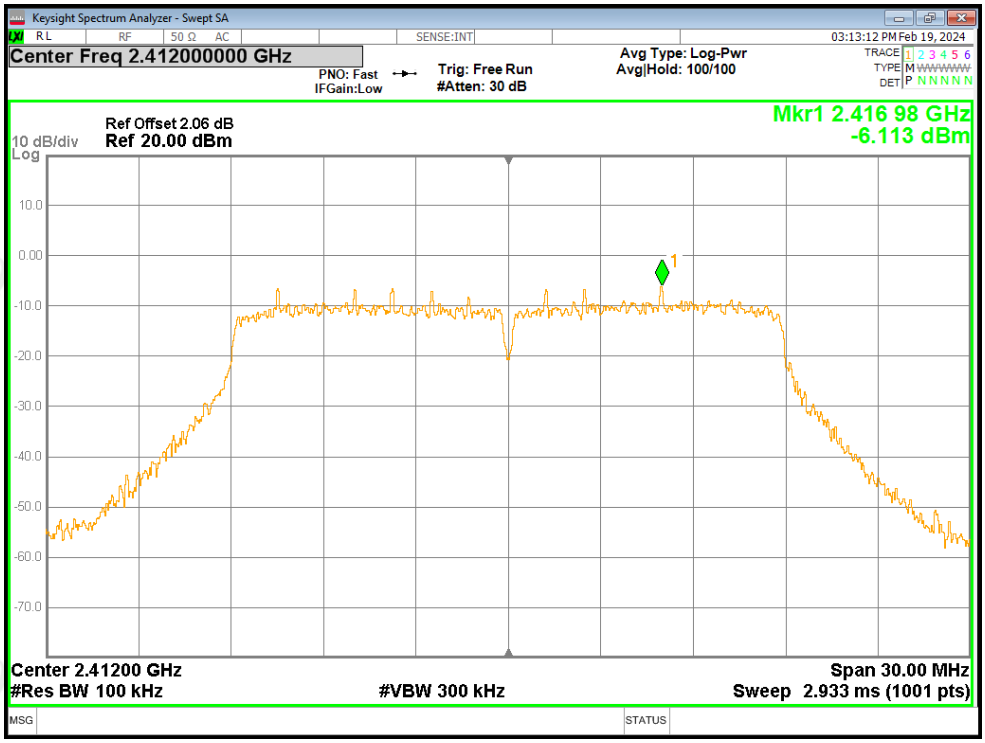
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



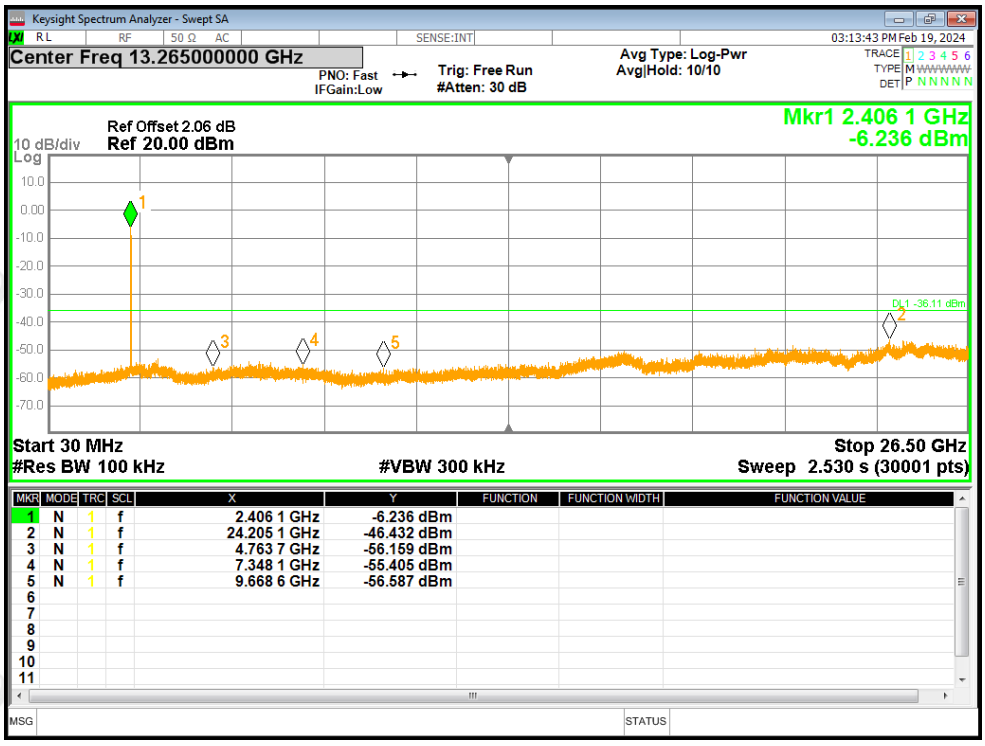
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



Tx. Spurious NVNT n20 2412MHz MIMO Ref

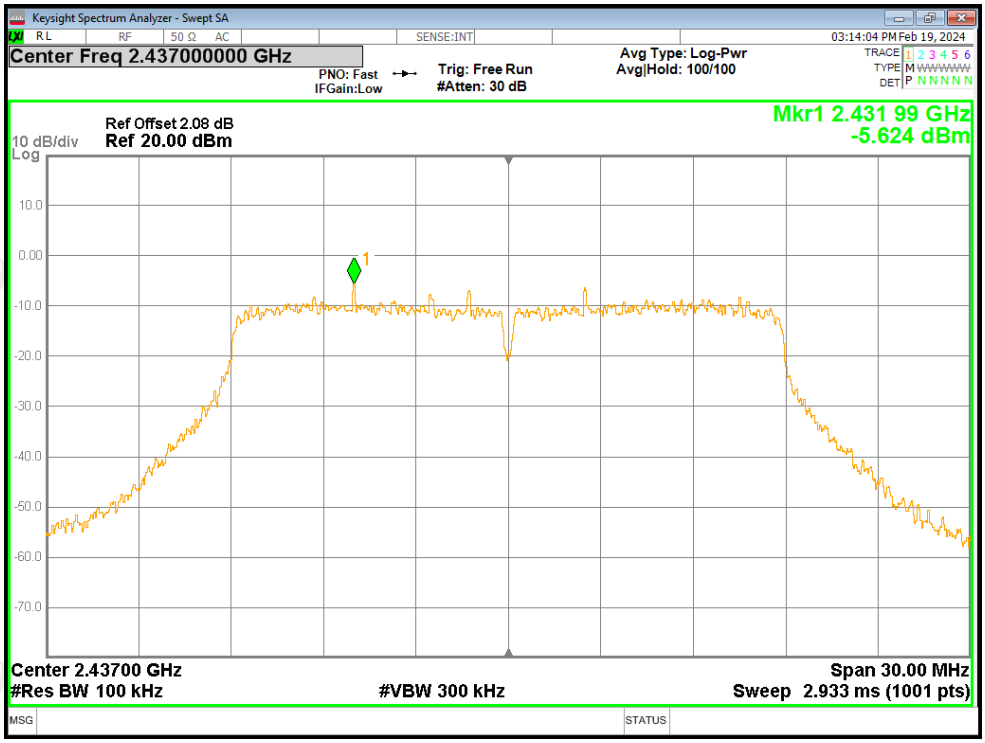


Tx. Spurious NVNT n20 2412MHz MIMO Emission

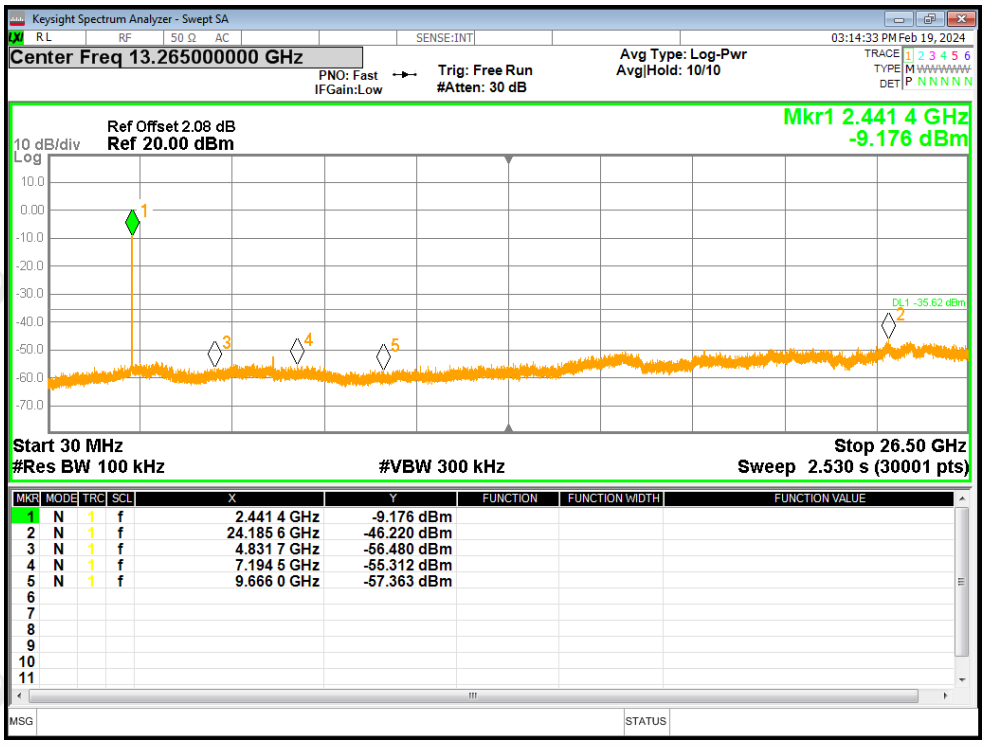


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.406 1 GHz	-6.236 dBm			
2	N	1	f	24.205 1 GHz	-46.432 dBm			
3	N	1	f	4.763 7 GHz	-56.159 dBm			
4	N	1	f	7.348 1 GHz	-55.405 dBm			
5	N	1	f	9.668 6 GHz	-56.587 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n20 2437MHz MIMO Ref

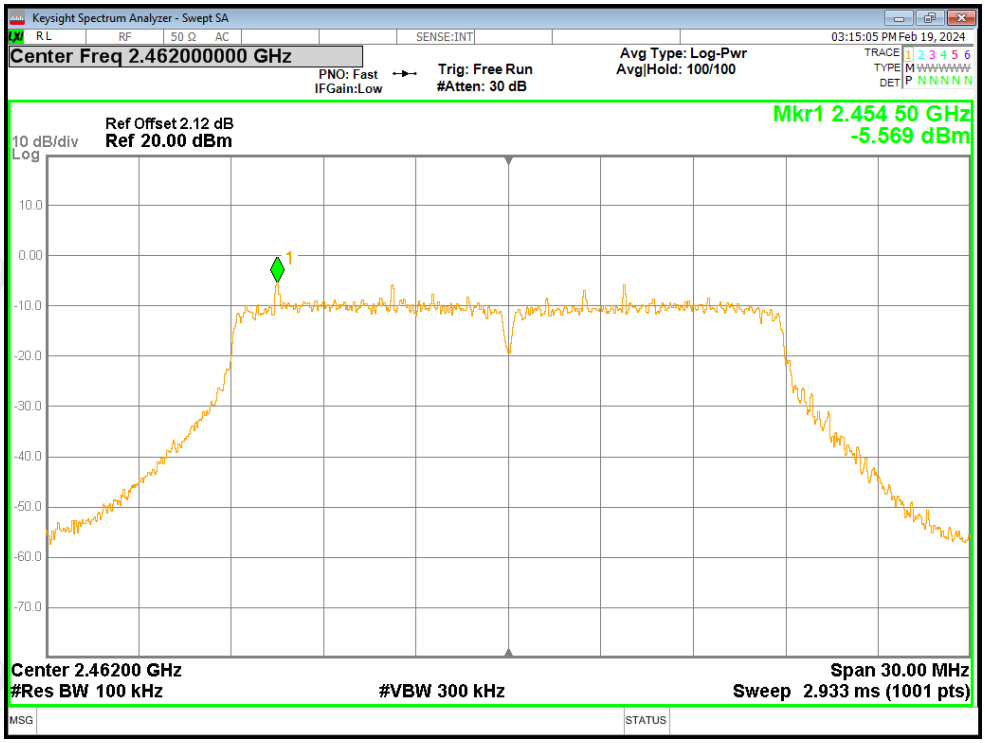


Tx. Spurious NVNT n20 2437MHz MIMO Emission

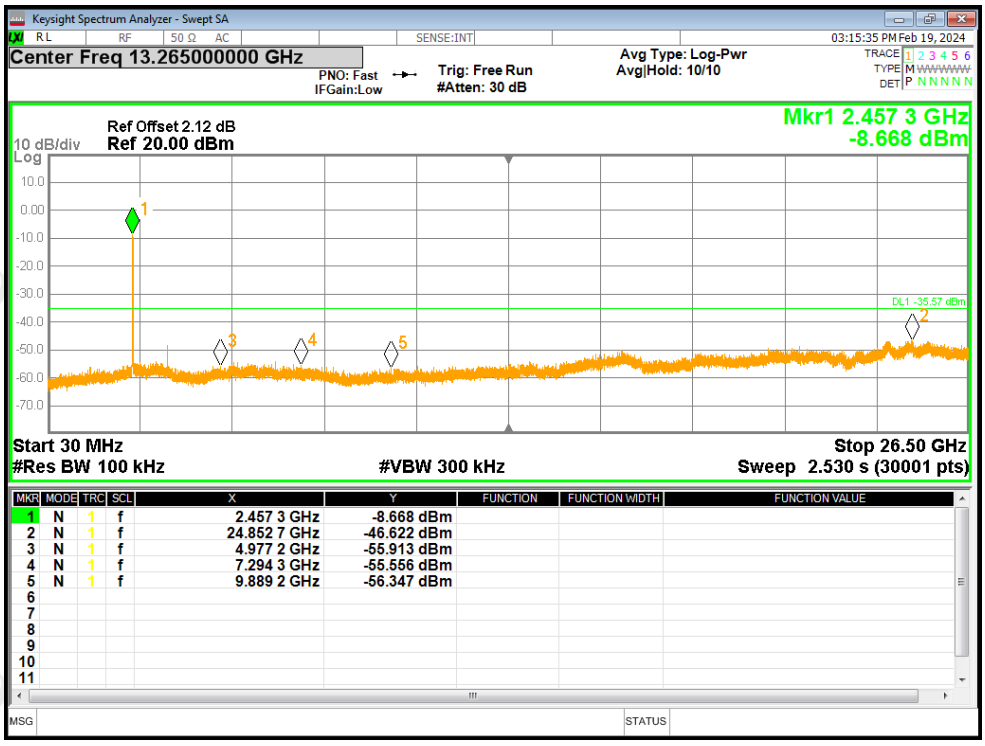


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.441 4 GHz	-9.176 dBm			
2	N	1	f	24.185 6 GHz	-46.220 dBm			
3	N	1	f	4.831 7 GHz	-56.480 dBm			
4	N	1	f	7.194 5 GHz	-55.312 dBm			
5	N	1	f	9.666 0 GHz	-57.363 dBm			
6								
7								
8								
9								
10								
11								

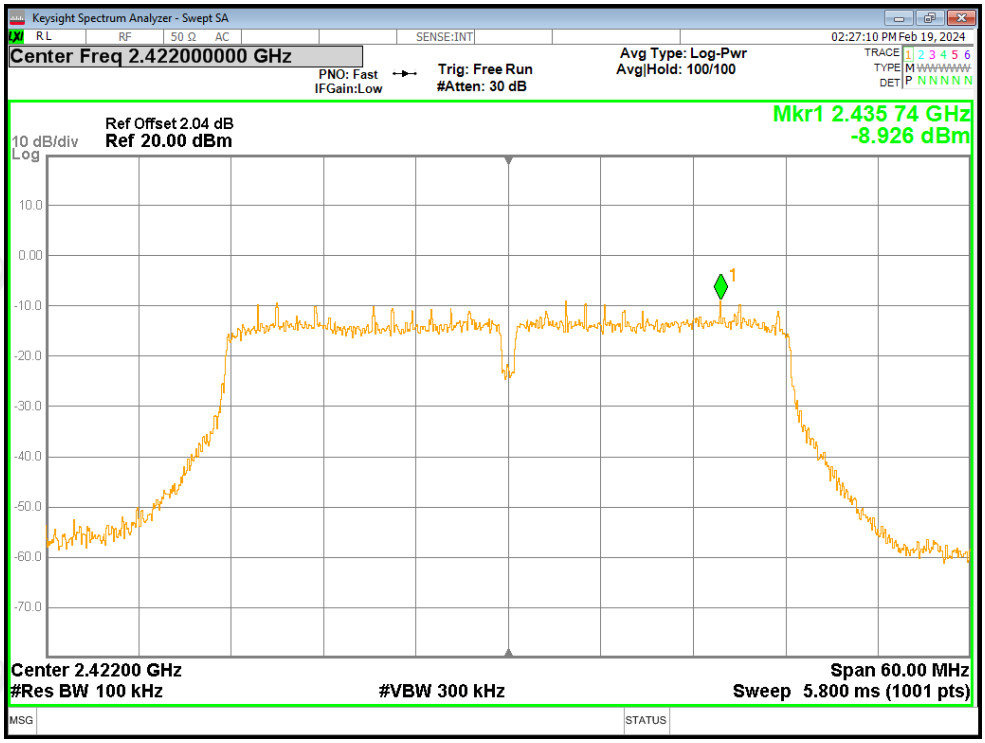
Tx. Spurious NVNT n20 2462MHz MIMO Ref



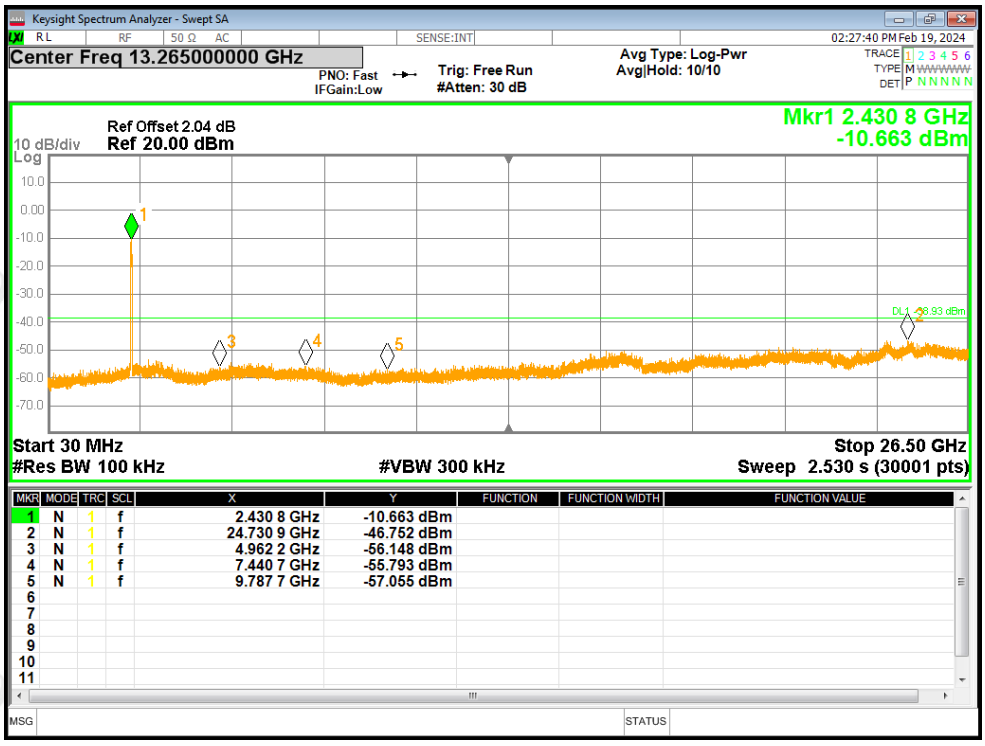
Tx. Spurious NVNT n20 2462MHz MIMO Emission



Tx. Spurious NVNT n40 2422MHz Ant1 Ref

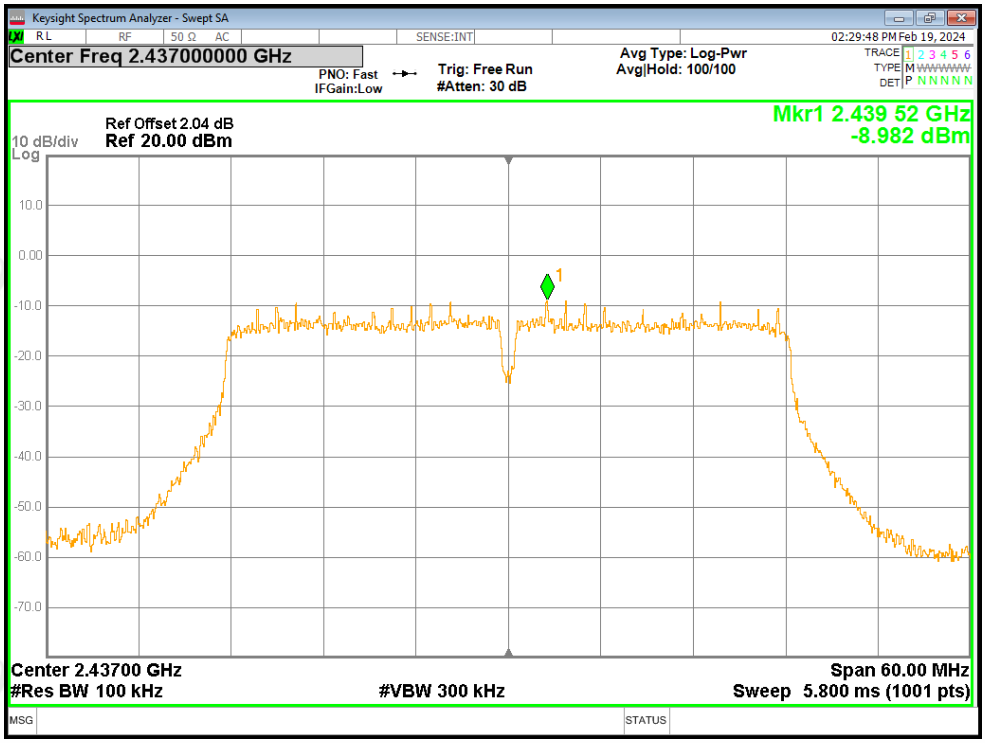


Tx. Spurious NVNT n40 2422MHz Ant1 Emission

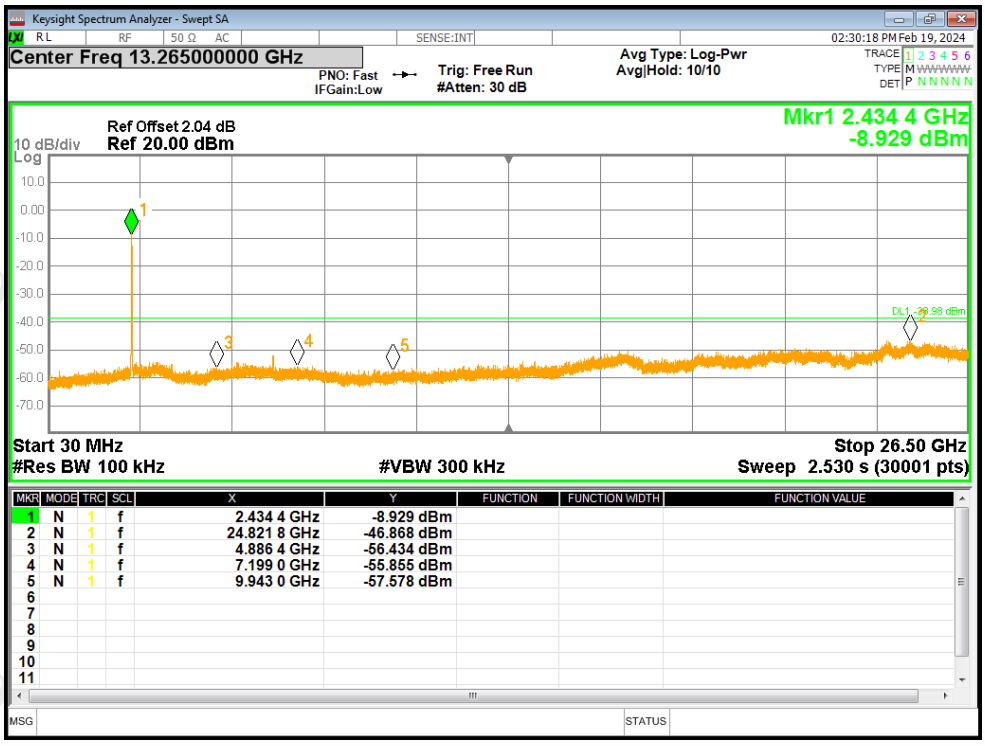


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.430 8 GHz	-10.663 dBm			
2	N	1	f	24.730 9 GHz	-46.752 dBm			
3	N	1	f	4.962 2 GHz	-56.148 dBm			
4	N	1	f	7.440 7 GHz	-55.793 dBm			
5	N	1	f	9.787 7 GHz	-57.055 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2437MHz Ant1 Ref

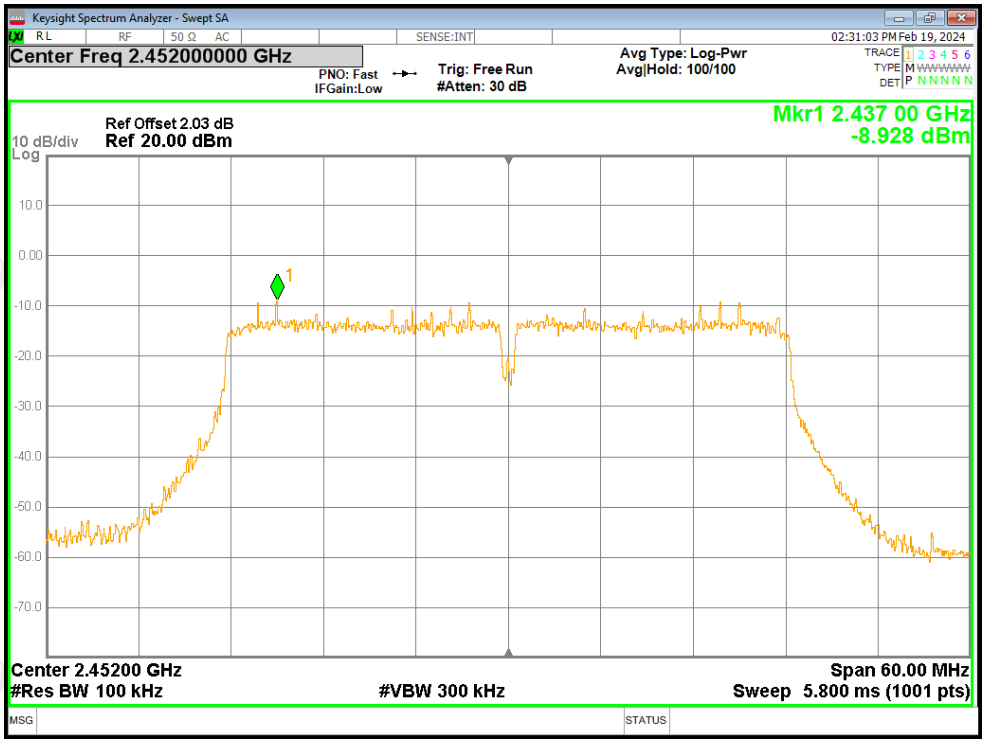


Tx. Spurious NVNT n40 2437MHz Ant1 Emission

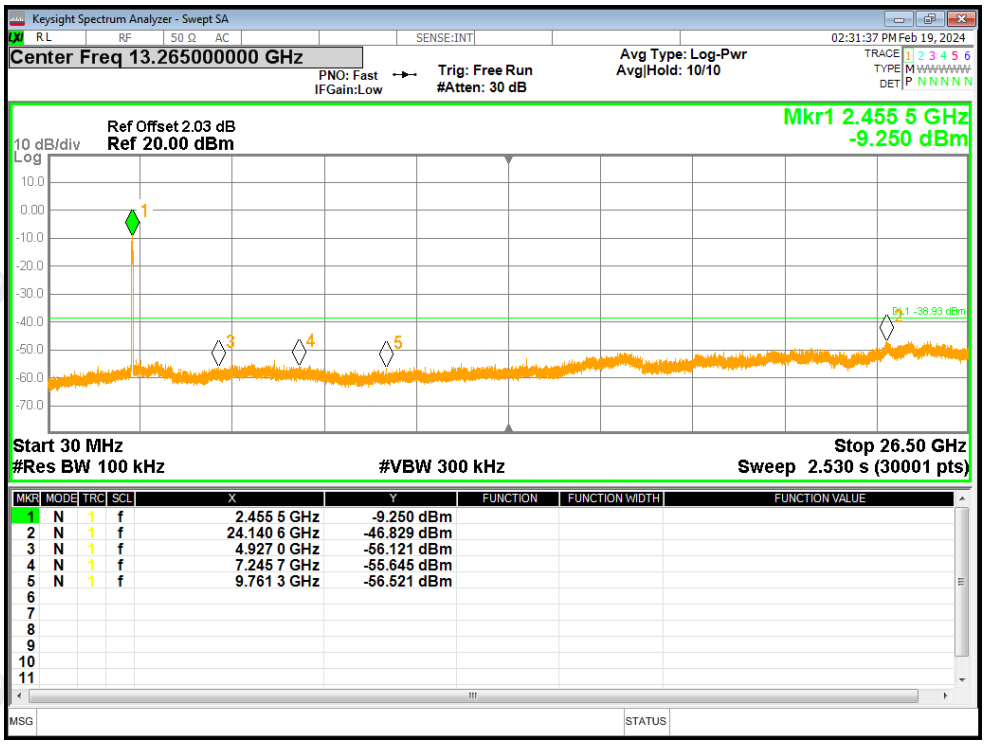


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.434 4 GHz	-8.929 dBm			
2	N	1	f	24.821 8 GHz	-46.868 dBm			
3	N	1	f	4.886 4 GHz	-56.434 dBm			
4	N	1	f	7.199 0 GHz	-55.855 dBm			
5	N	1	f	9.943 0 GHz	-57.578 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2452MHz Ant1 Ref

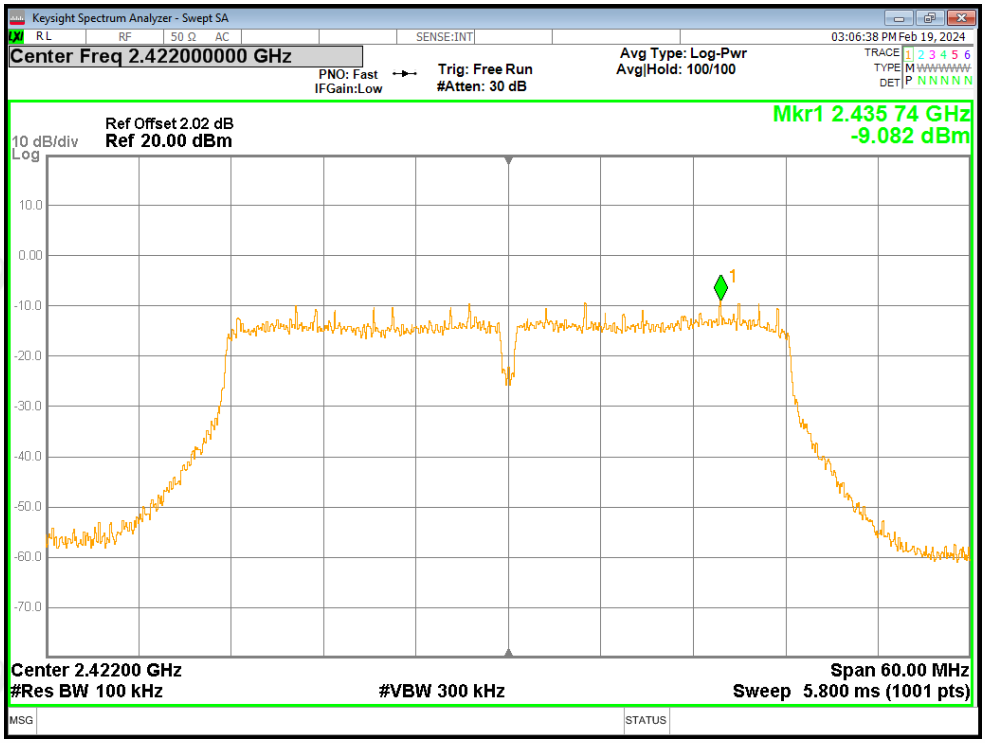


Tx. Spurious NVNT n40 2452MHz Ant1 Emission

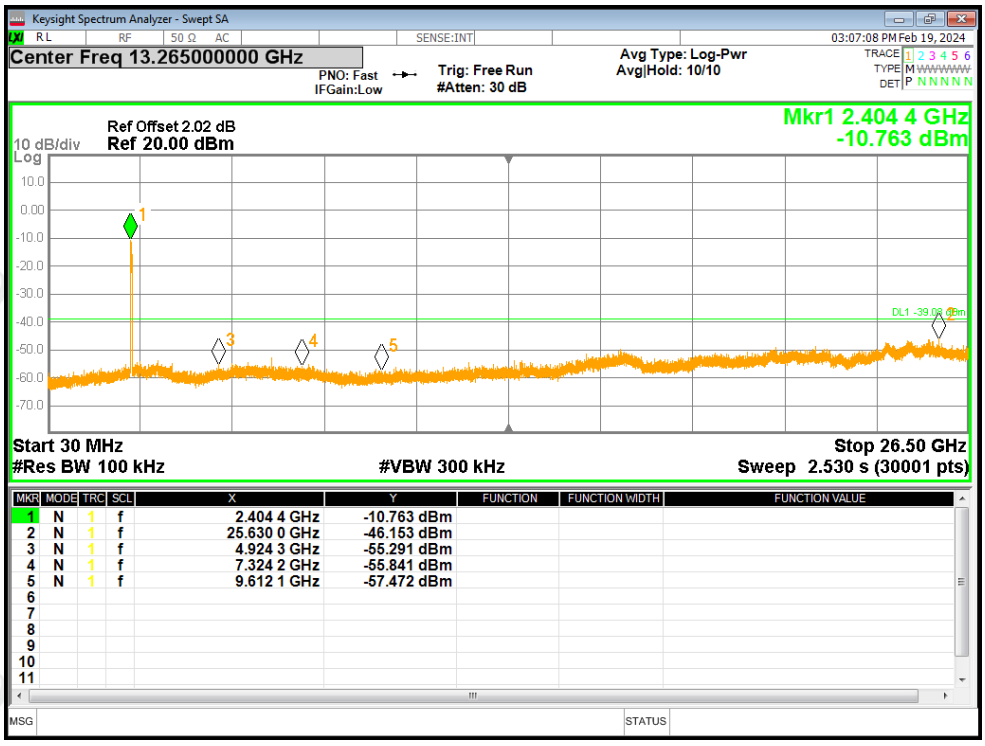


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.455 5 GHz	-9.250 dBm			
2	N	1	f	24.140 6 GHz	-46.829 dBm			
3	N	1	f	4.927 0 GHz	-56.121 dBm			
4	N	1	f	7.245 7 GHz	-55.645 dBm			
5	N	1	f	9.761 3 GHz	-56.521 dBm			
6								
7								
8								
9								
10								
11								

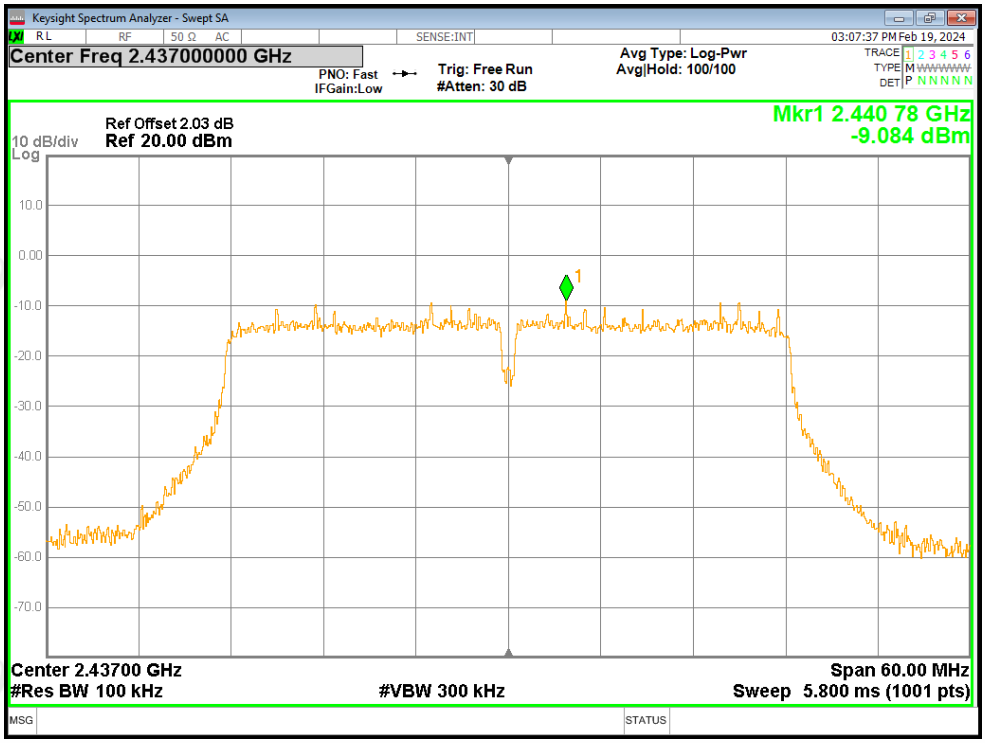
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



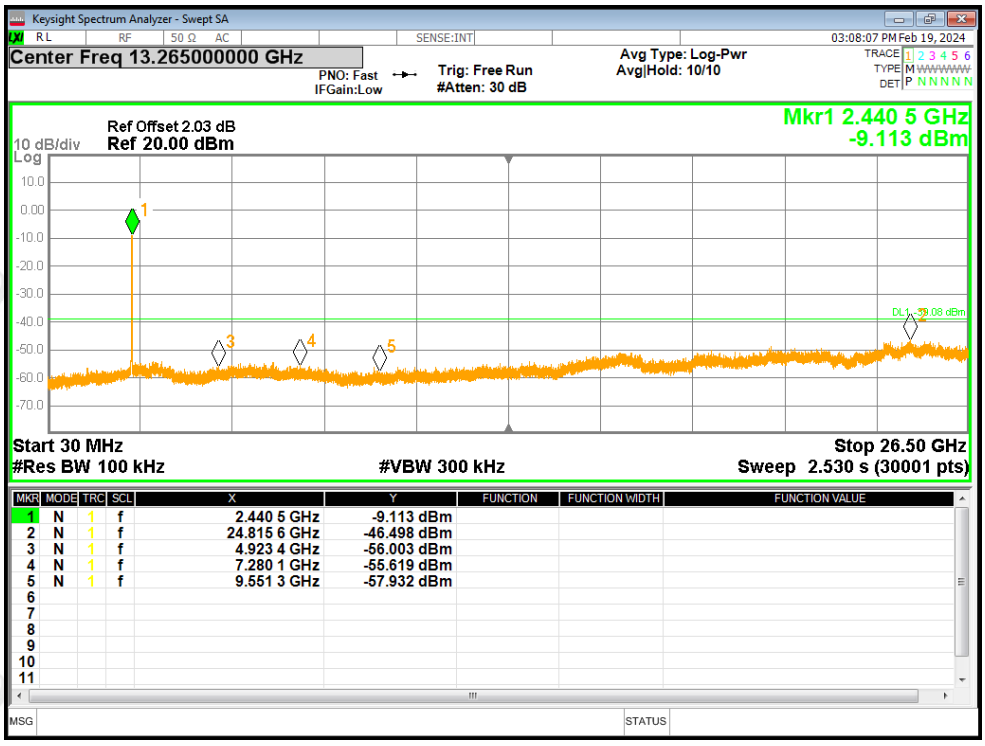
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



Tx. Spurious NVNT n40 2437MHz Ant2 Ref

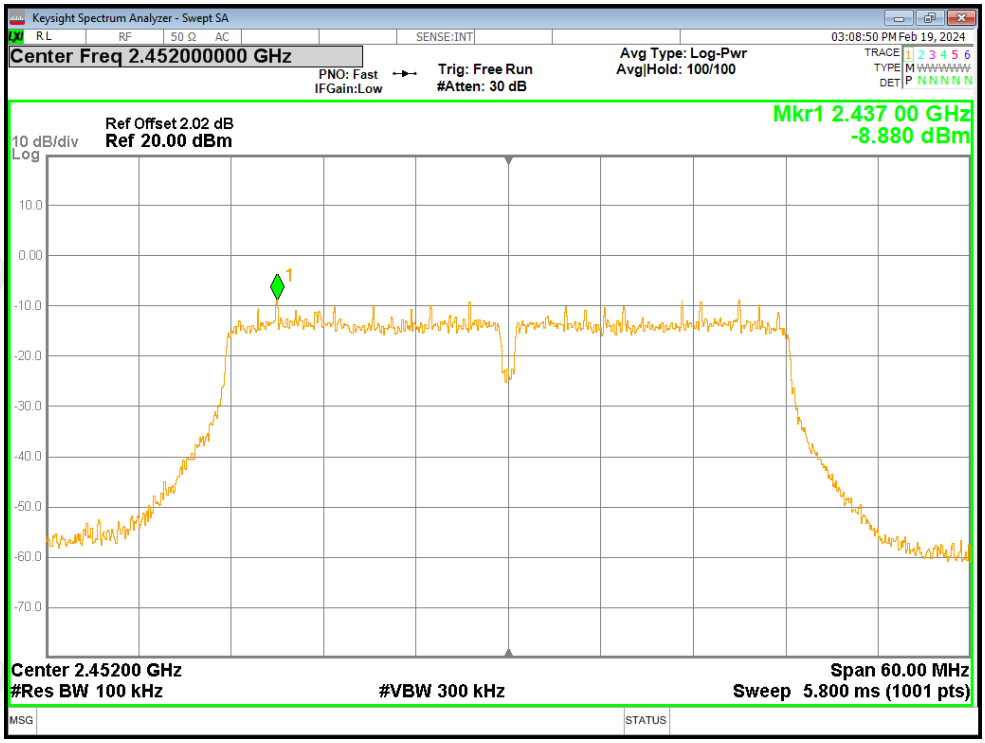


Tx. Spurious NVNT n40 2437MHz Ant2 Emission

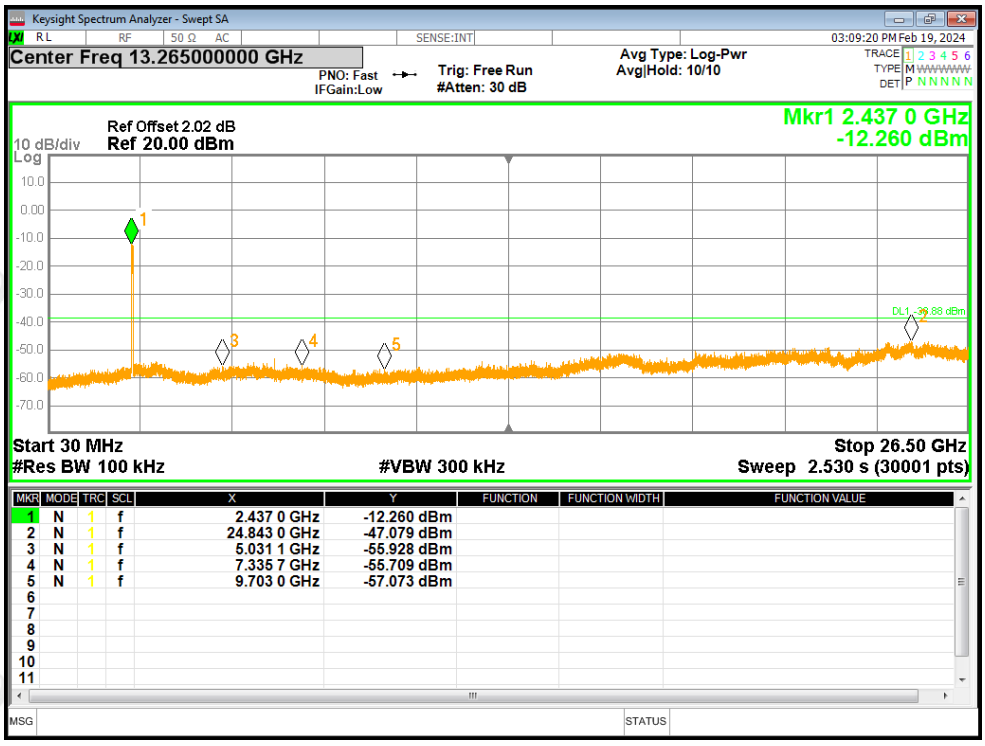


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	-9.113 dBm			
2	N	1	f	24.815 6 GHz	-46.498 dBm			
3	N	1	f	4.923 4 GHz	-56.003 dBm			
4	N	1	f	7.280 1 GHz	-55.619 dBm			
5	N	1	f	9.551 3 GHz	-57.932 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2452MHz Ant2 Ref

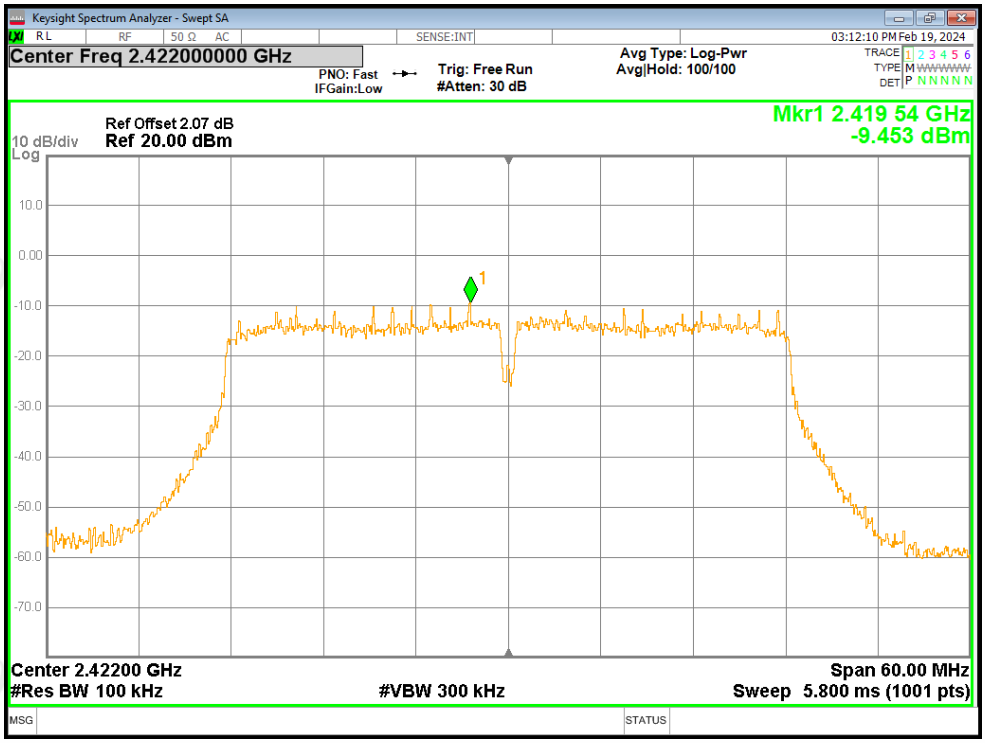


Tx. Spurious NVNT n40 2452MHz Ant2 Emission

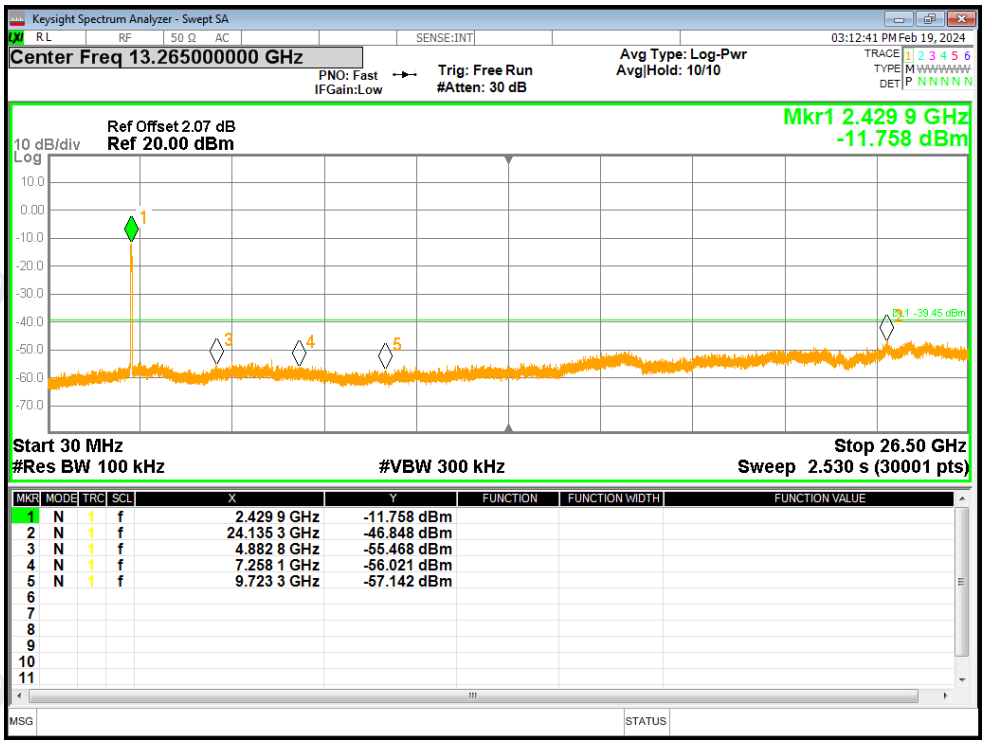


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 0 GHz	-12.260 dBm			
2	N	1	f	24.843 0 GHz	-47.079 dBm			
3	N	1	f	5.031 1 GHz	-55.928 dBm			
4	N	1	f	7.335 7 GHz	-55.709 dBm			
5	N	1	f	9.703 0 GHz	-57.073 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2422MHz MIMO Ref

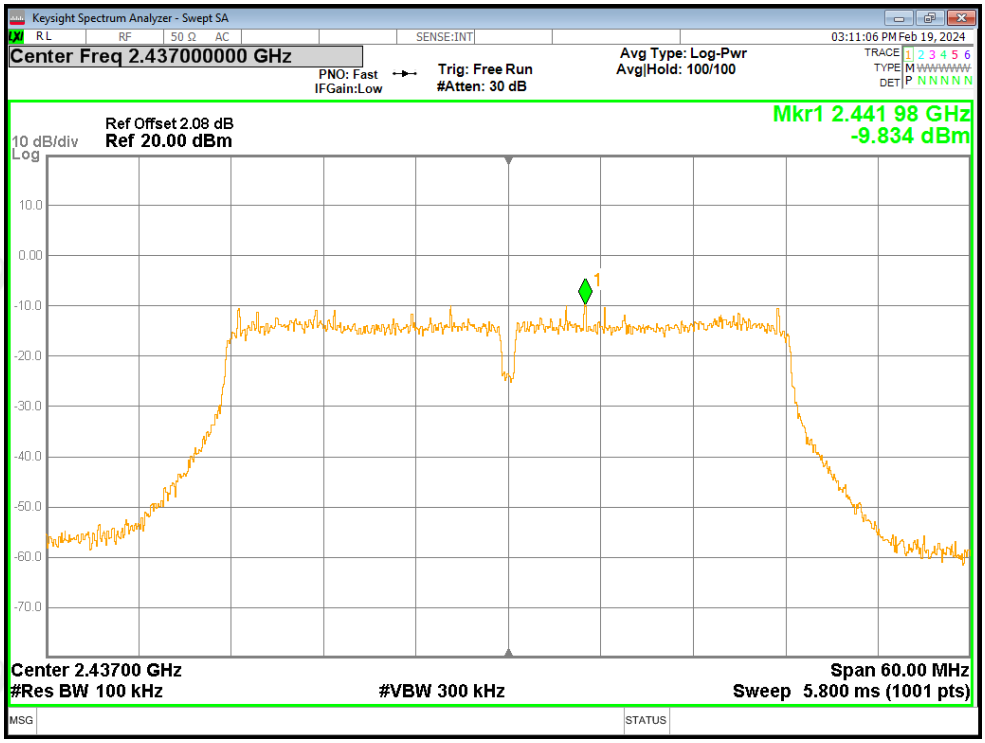


Tx. Spurious NVNT n40 2422MHz MIMO Emission

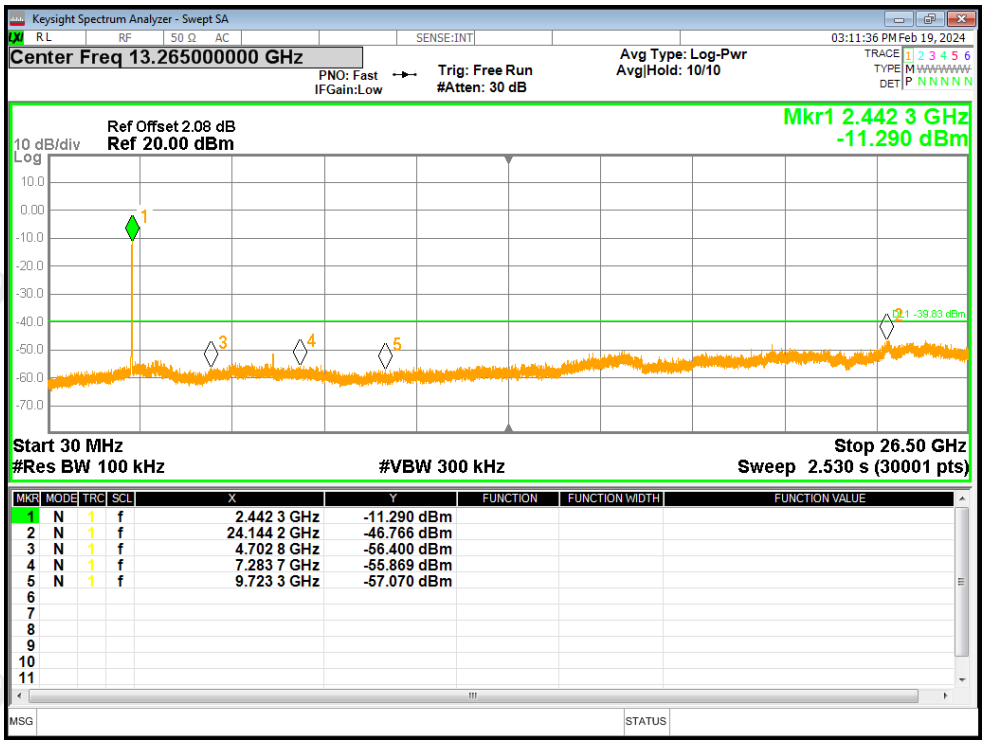


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.429 9 GHz	-11.758 dBm			
2	N	1	f	24.135 3 GHz	-46.848 dBm			
3	N	1	f	4.882 8 GHz	-55.468 dBm			
4	N	1	f	7.258 1 GHz	-56.021 dBm			
5	N	1	f	9.723 3 GHz	-57.142 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2437MHz MIMO Ref

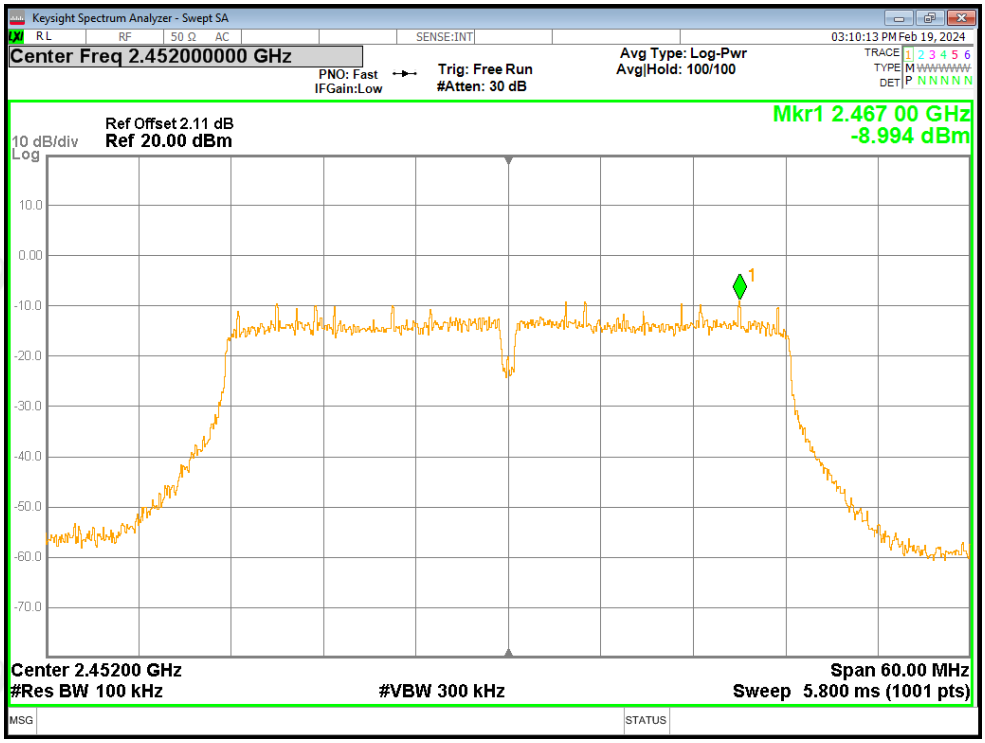


Tx. Spurious NVNT n40 2437MHz MIMO Emission

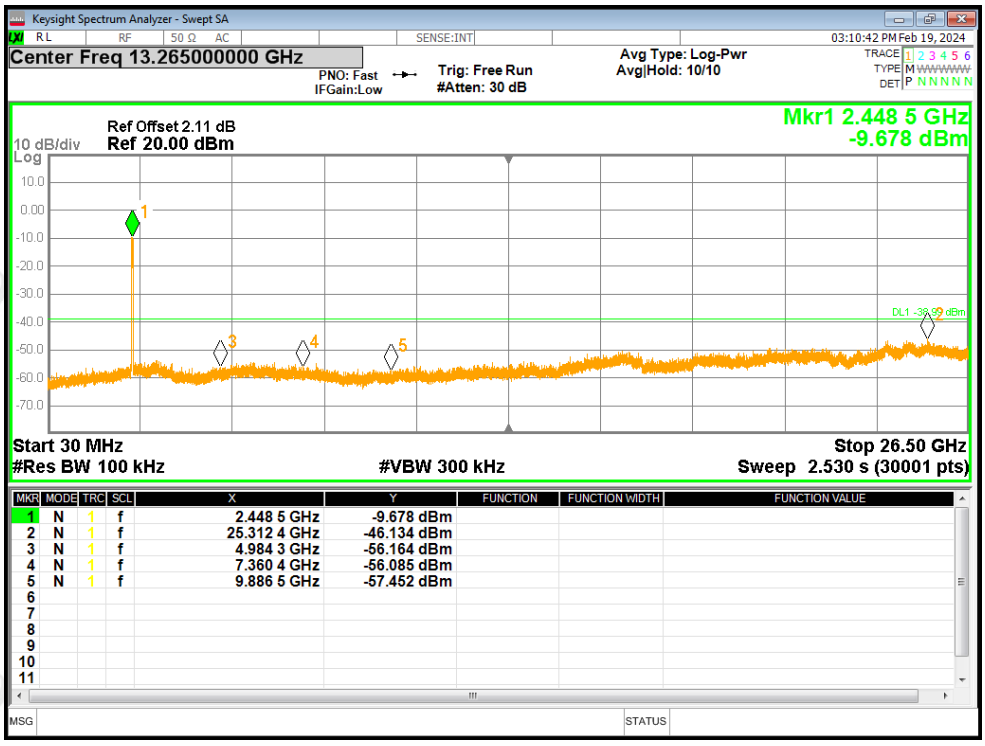


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.442 3 GHz	-11.290 dBm			
2	N	1	f	24.144 2 GHz	-46.766 dBm			
3	N	1	f	4.702 8 GHz	-56.400 dBm			
4	N	1	f	7.283 7 GHz	-55.869 dBm			
5	N	1	f	9.723 3 GHz	-57.070 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2452MHz MIMO Ref



Tx. Spurious NVNT n40 2452MHz MIMO Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.448 5 GHz	-9.678 dBm			
2	N	1	f	25.312 4 GHz	-46.134 dBm			
3	N	1	f	4.984 3 GHz	-56.164 dBm			
4	N	1	f	7.360 4 GHz	-56.085 dBm			
5	N	1	f	9.886 5 GHz	-57.452 dBm			
6								
7								
8								
9								
10								
11								