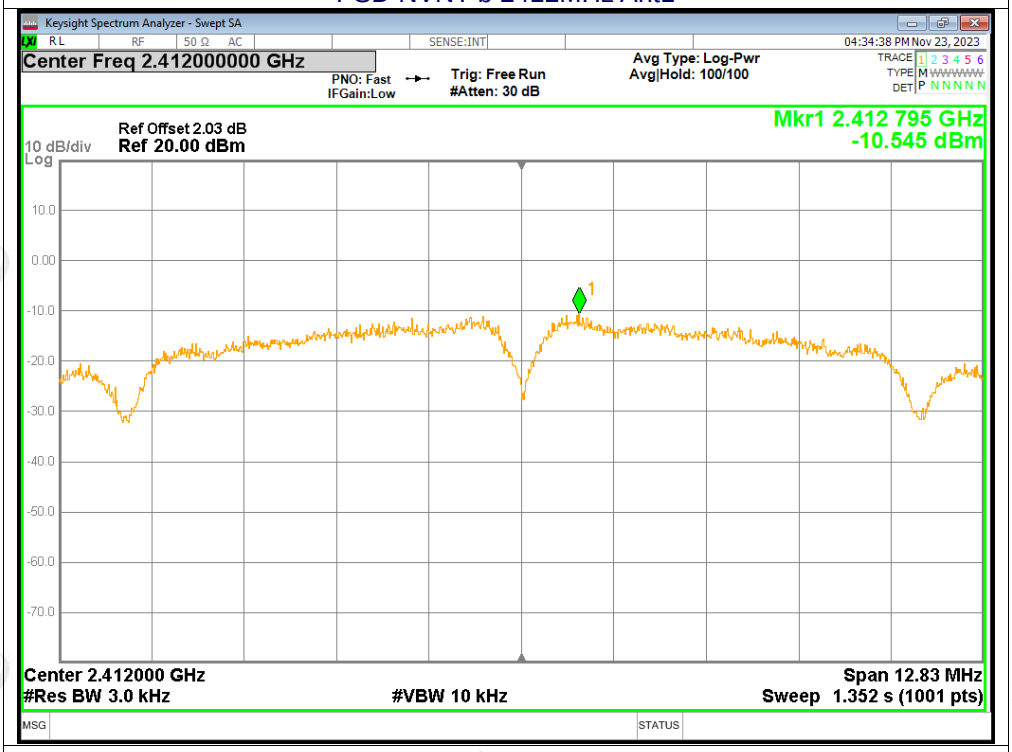
10.6 MAXIMUM POWER SPECTRAL DENSITY LEVEL

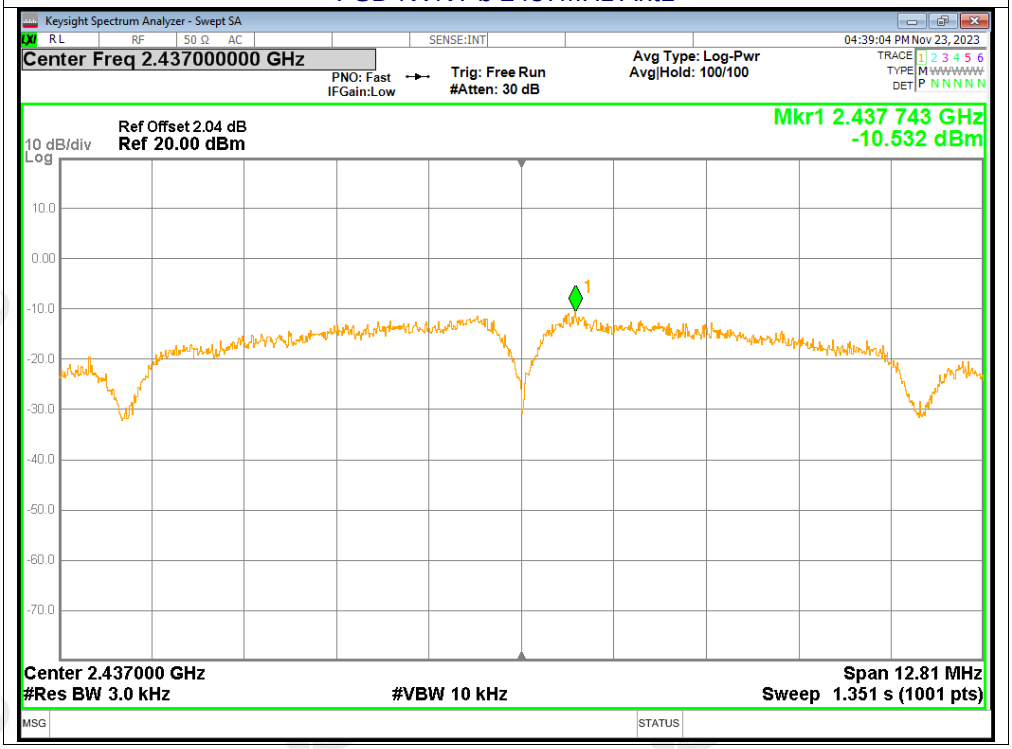
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.45	8	Pass
NVNT	b	2437	Ant1	-9.23	8	Pass
NVNT	b	2462	Ant1	-9.11	8	Pass
NVNT	b	2412	Ant2	-10.13	8	Pass
NVNT	b	2437	Ant2	-9.43	8	Pass
NVNT	b	2462	Ant2	-9.34	8	Pass
NVNT	g	2412	Ant1	-10.68	8	Pass
NVNT	g	2437	Ant1	-9.5	8	Pass
NVNT	g	2462	Ant1	-10.62	8	Pass
NVNT	g	2412	Ant2	-10.7	8	Pass
NVNT	g	2437	Ant2	-9.68	8	Pass
NVNT	g	2462	Ant2	-9.89	8	Pass
NVNT	n20	2412	Ant1	-11.08	8	Pass
NVNT	n20	2437	Ant1	-10.15	8	Pass
NVNT	n20	2462	Ant1	-11.34	8	Pass
NVNT	n20	2412	Ant2	-12.09	8	Pass
NVNT	n20	2437	Ant2	-11.05	8	Pass
NVNT	n20	2462	Ant2	-10.2	8	Pass
NVNT	n40	2422	Ant1	-14	8	Pass
NVNT	n40	2437	Ant1	-13.82	8	Pass
NVNT	n40	2452	Ant1	-13.09	8	Pass
NVNT	n40	2422	Ant2	-14.48	8	Pass
NVNT	n40	2437	Ant2	-14.26	8	Pass
NVNT	n40	2452	Ant2	-14.58	8	Pass
NVNT	n20	2412	MIMO	-8.55	8	Pass
NVNT	n20	2437	MIMO	-7.57	8	Pass
NVNT	n20	2462	MIMO	-7.72	8	Pass
NVNT	n40	2422	MIMO	-11.22	8	Pass
NVNT	n40	2437	MIMO	-11.02	8	Pass
NVNT	n40	2452	MIMO	-10.76	8	Pass

Test Graphs

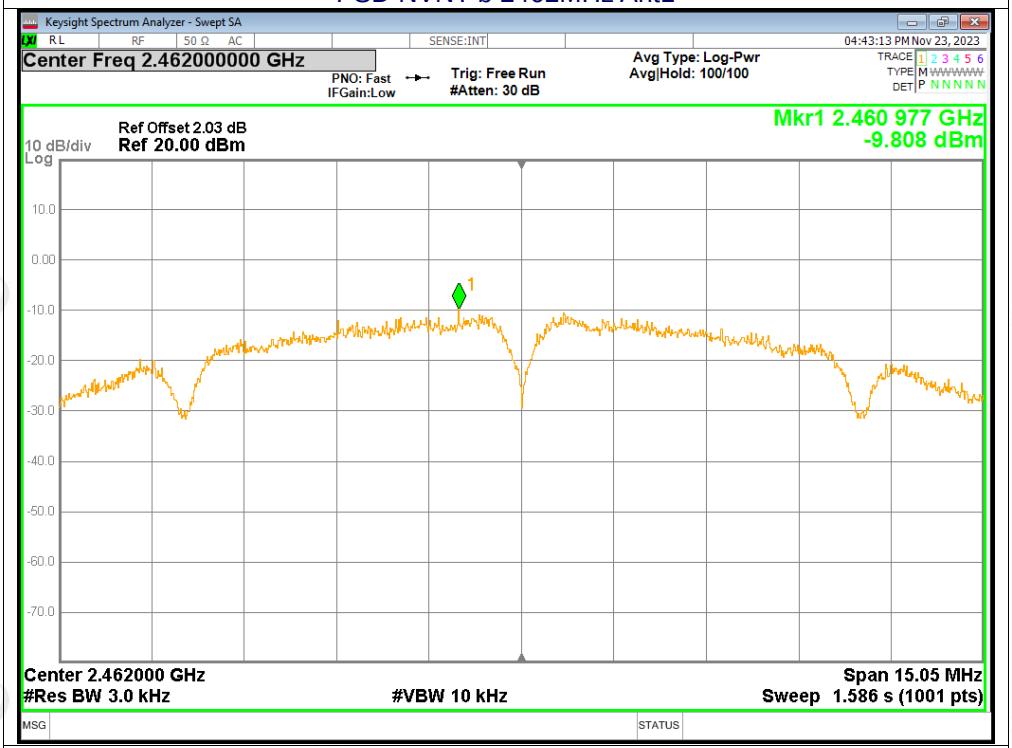
PSD NVNT b 2412MHz Ant1



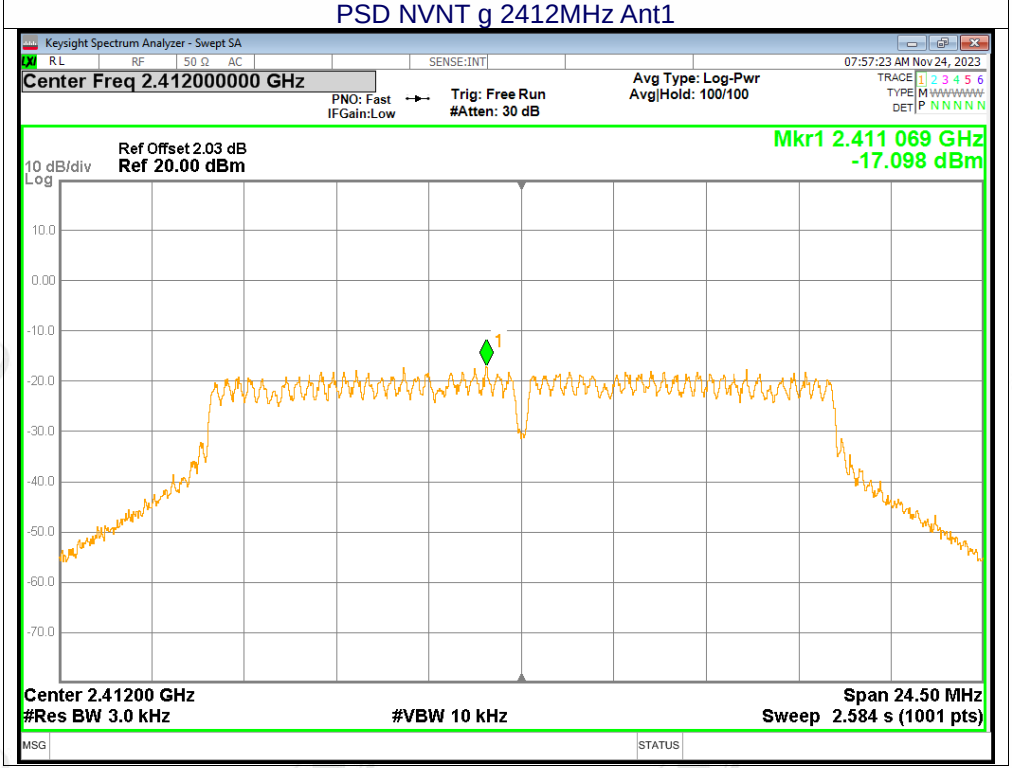
PSD NVNT b 2437MHz Ant1



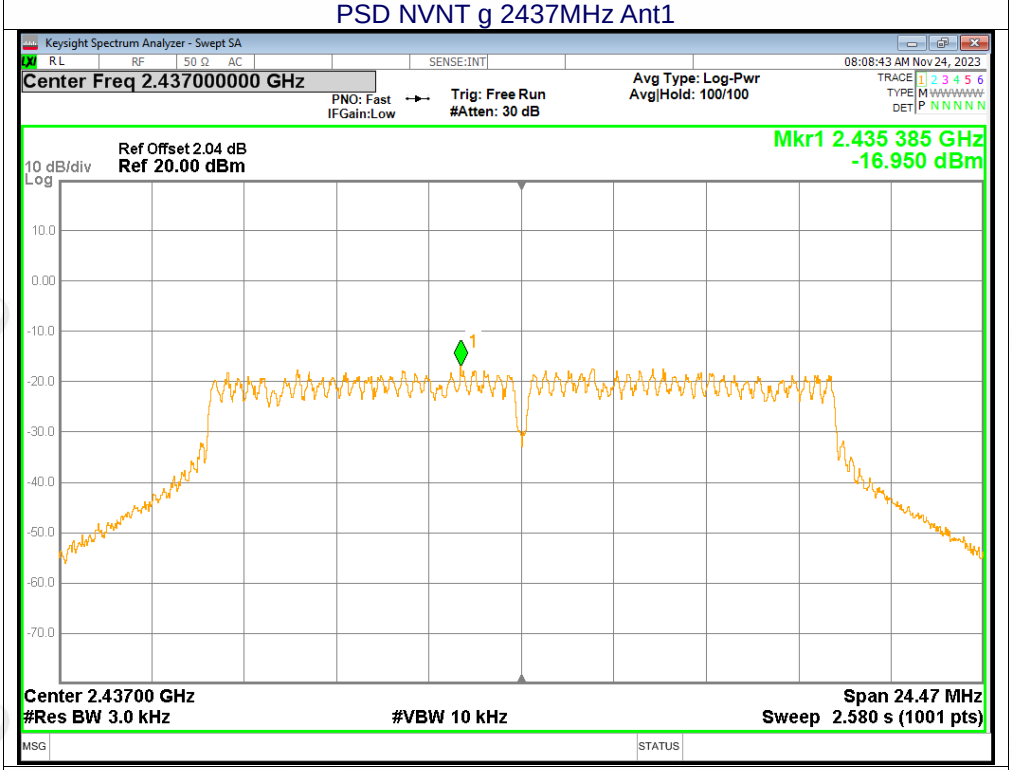
PSD NVNT b 2462MHz Ant1



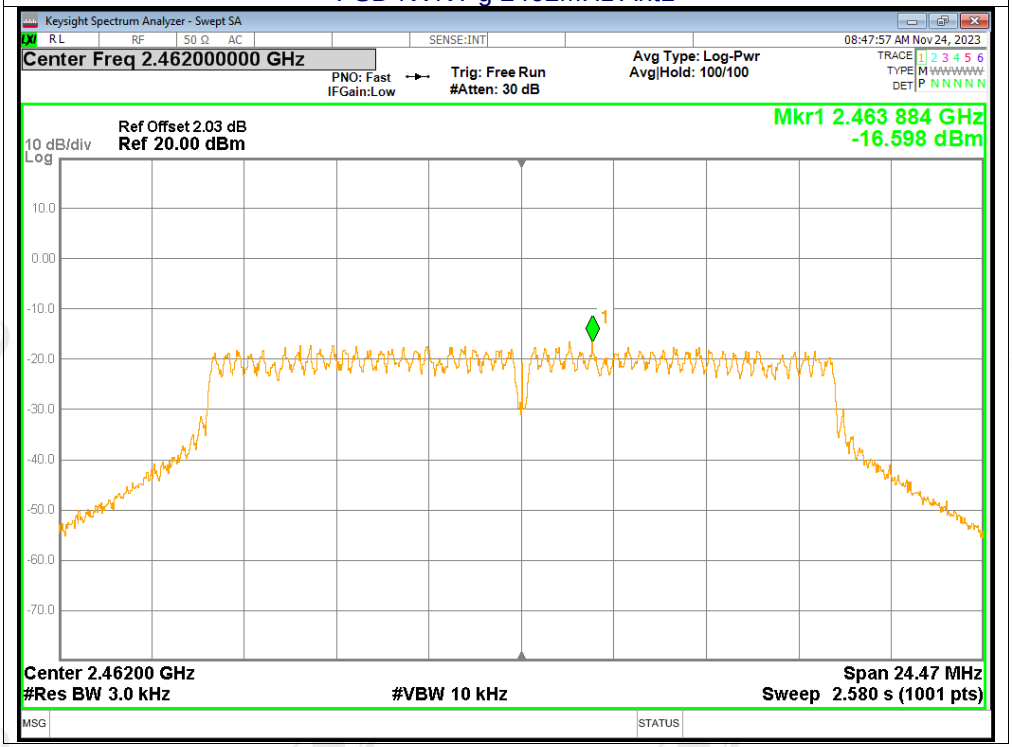
PSD NVNT g 2412MHz Ant1



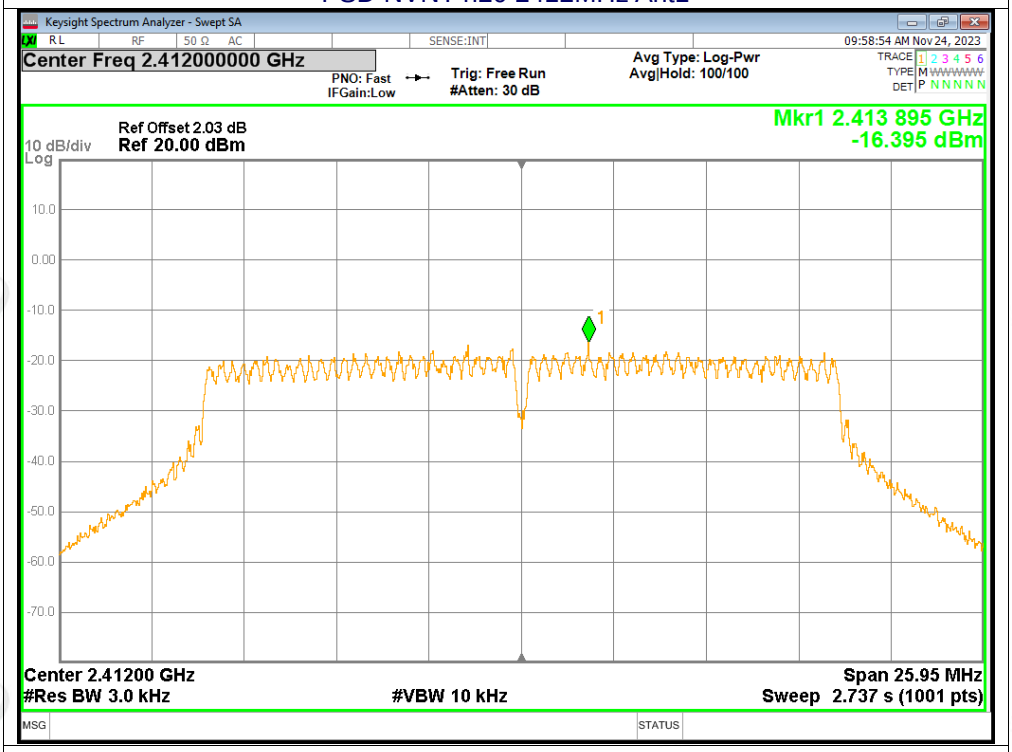
PSD NVNT g 2437MHz Ant1



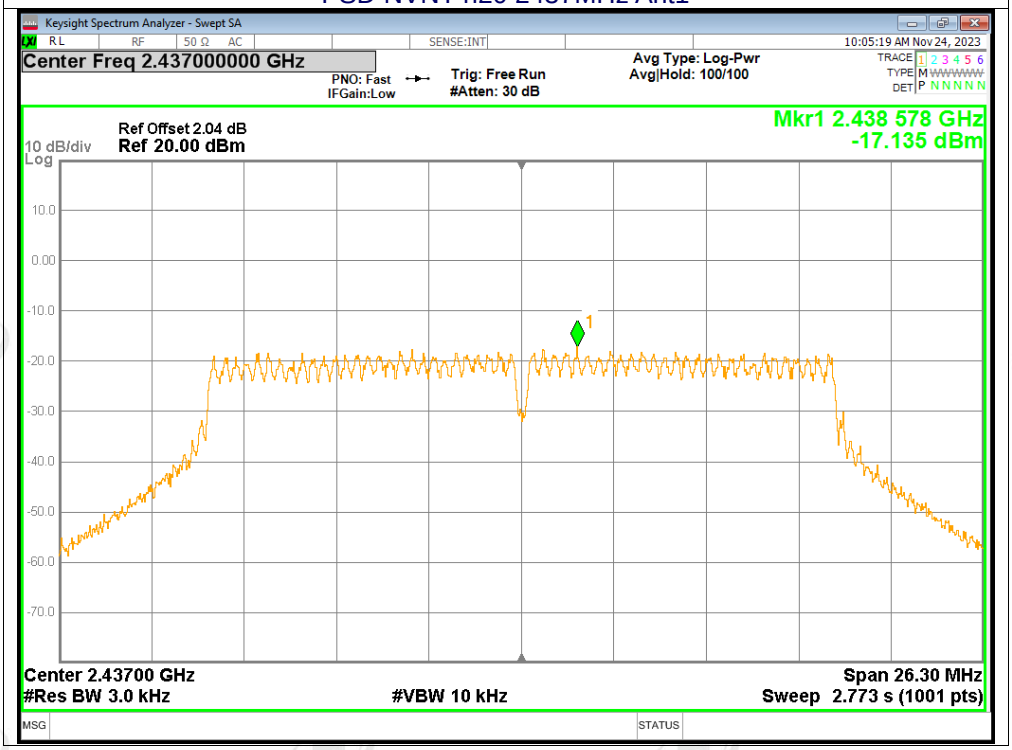
PSD NVNT g 2462MHz Ant1



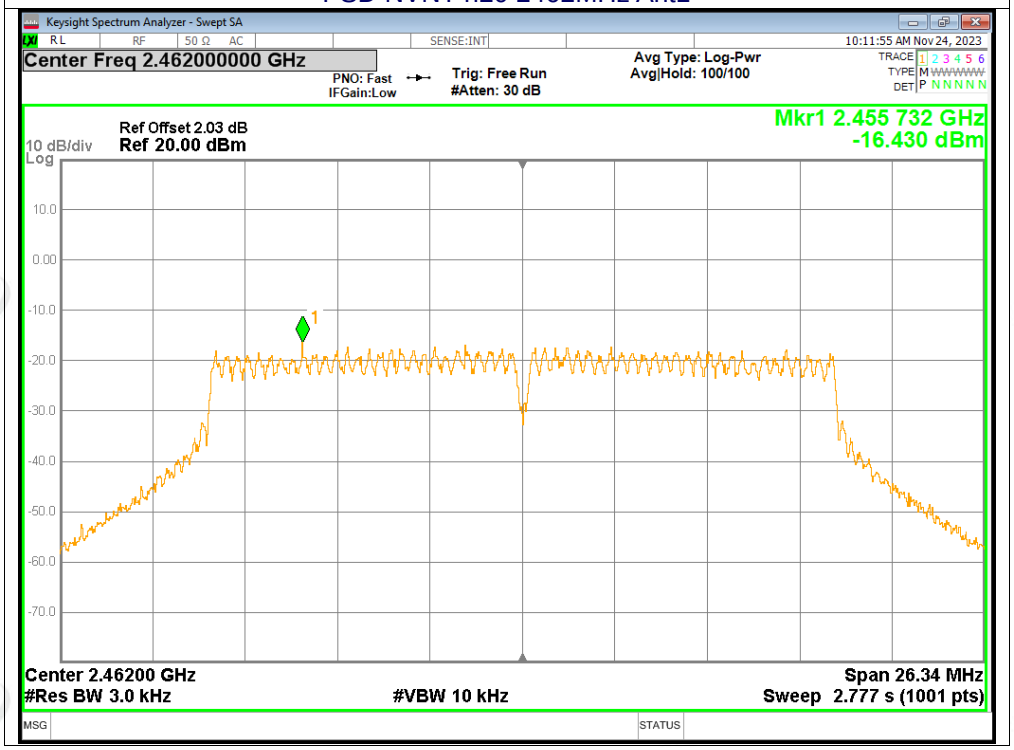
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1

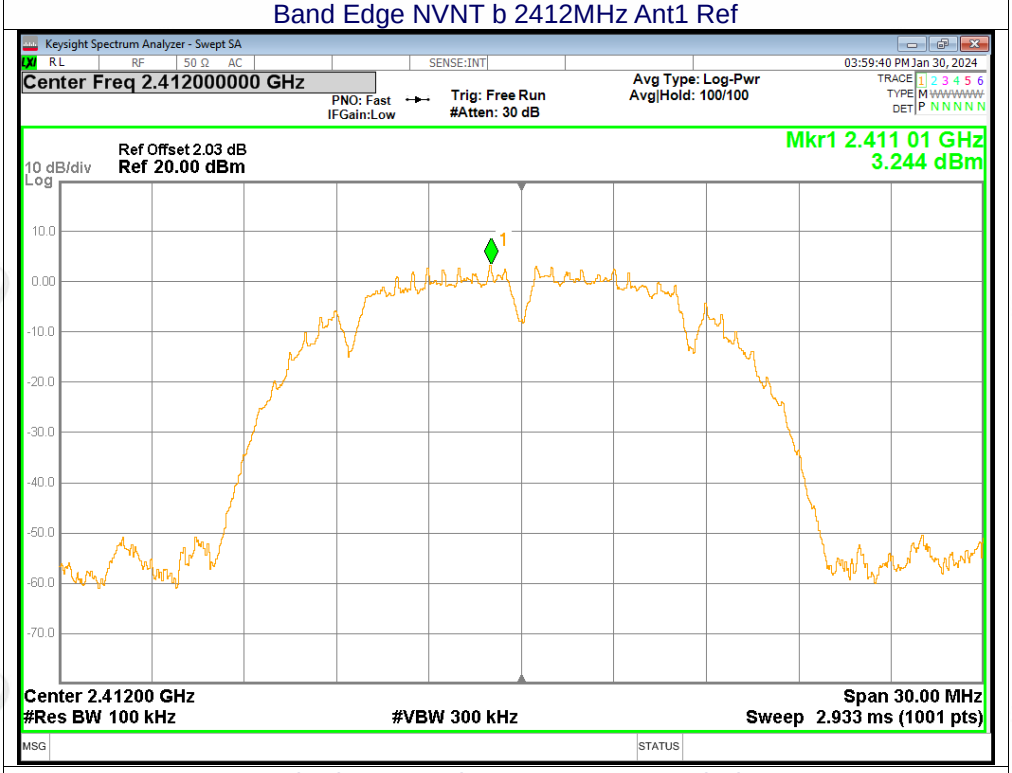


10.7 BAND EDGE

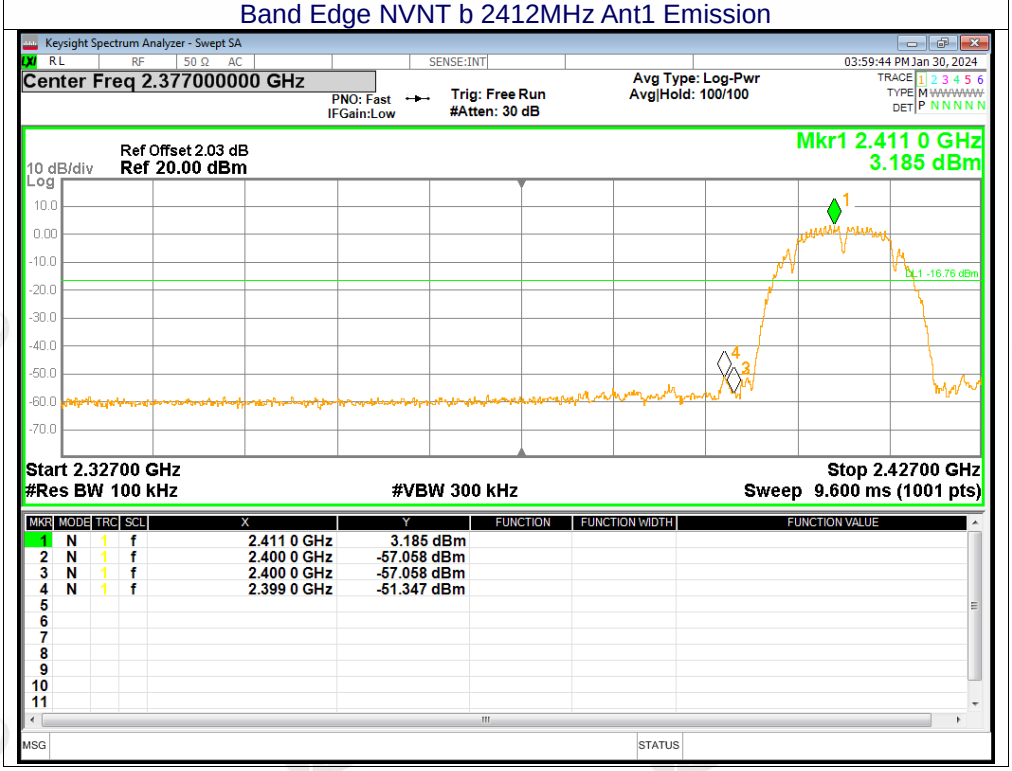
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-54.58	-20	Pass
NVNT	b	2462	Ant1	-58.8	-20	Pass
NVNT	b	2412	Ant2	-54.98	-20	Pass
NVNT	b	2462	Ant2	-57.83	-20	Pass
NVNT	g	2412	Ant1	-30.85	-20	Pass
NVNT	g	2462	Ant1	-59.12	-20	Pass
NVNT	g	2412	Ant2	-31.63	-20	Pass
NVNT	g	2462	Ant2	-59.36	-20	Pass
NVNT	n20	2412	Ant1	-31.08	-20	Pass
NVNT	n20	2462	Ant1	-56.36	-20	Pass
NVNT	n20	2412	Ant2	-31.07	-20	Pass
NVNT	n20	2462	Ant2	-59.03	-20	Pass
NVNT	n40	2422	Ant1	-31.07	-20	Pass
NVNT	n40	2452	Ant1	-51.53	-20	Pass
NVNT	n40	2422	Ant2	-28.65	-20	Pass
NVNT	n40	2452	Ant2	-51.73	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

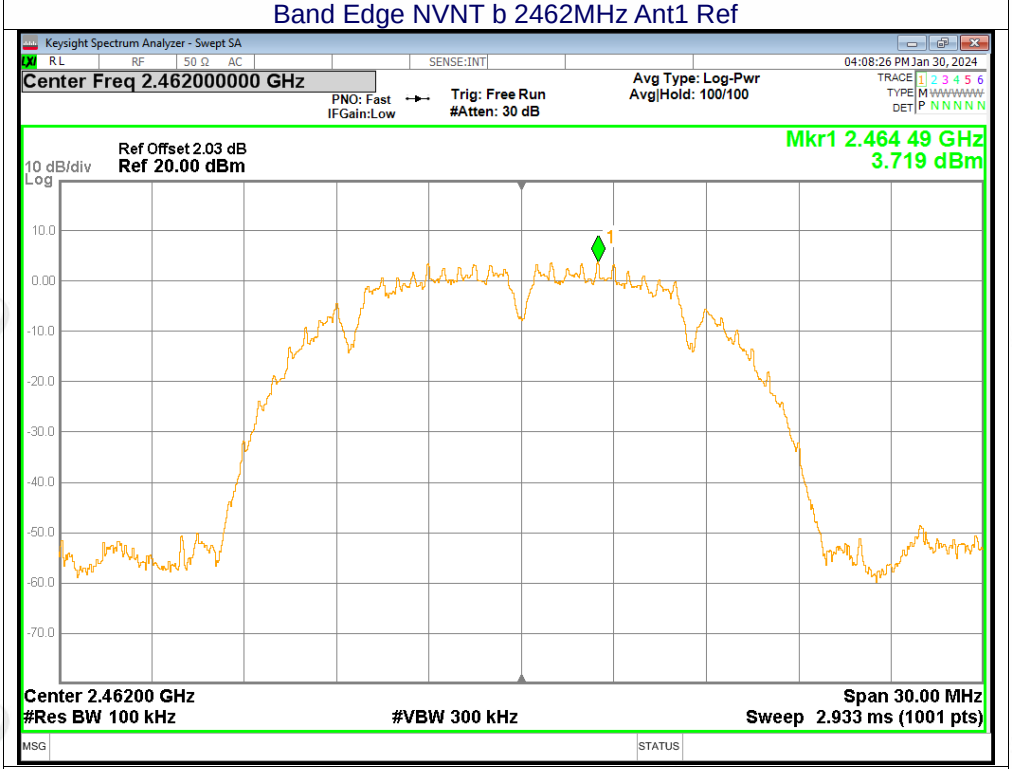


Band Edge NVNT b 2412MHz Ant1 Emission

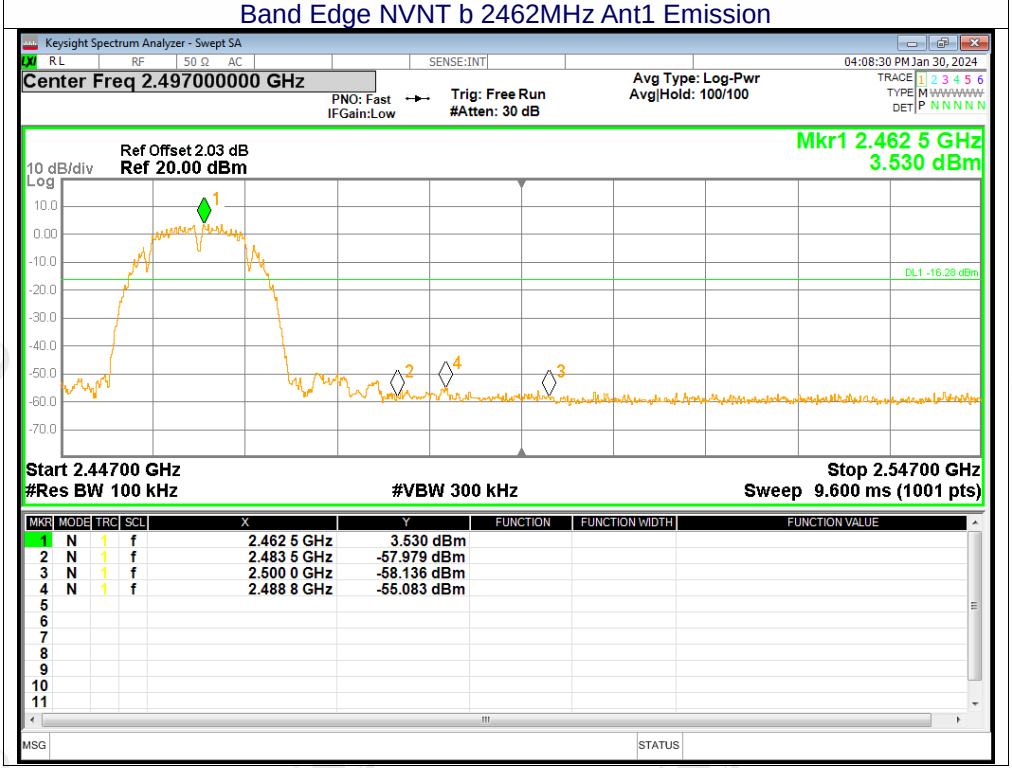


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.411 0 GHz	3.185 dBm			
2	N	1	f	2.400 0 GHz	-57.058 dBm			
3	N	1	f	2.400 0 GHz	-57.058 dBm			
4	N	1	f	2.399 0 GHz	-51.347 dBm			
5								
6								
7								
8								
9								
10								
11								

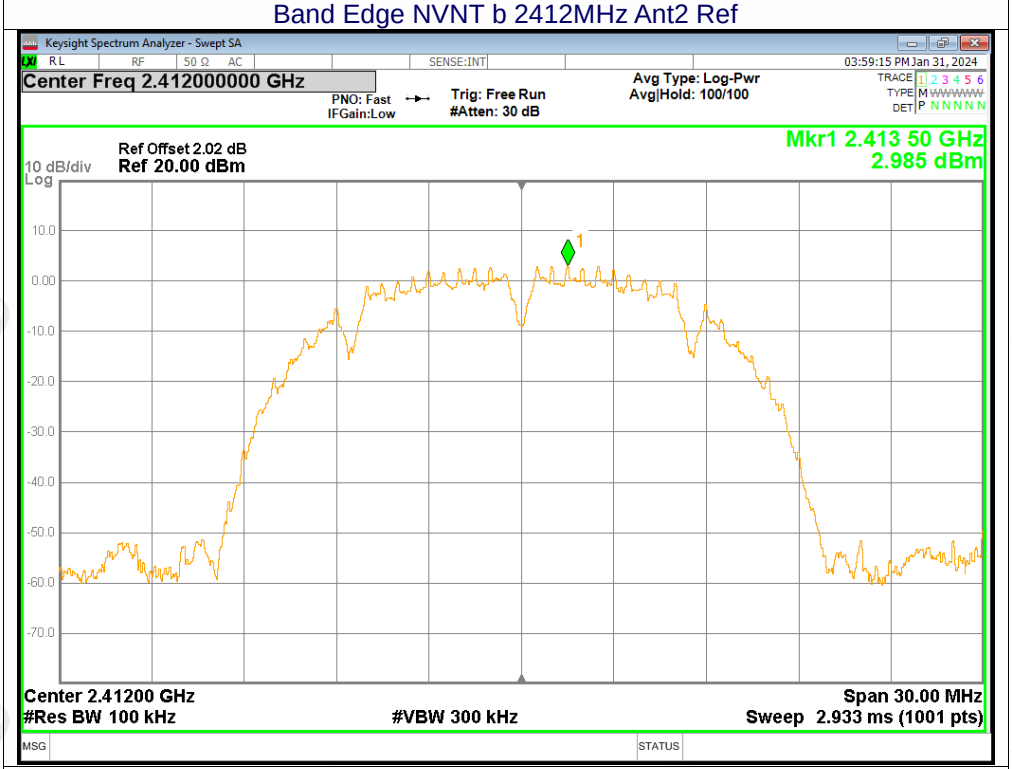
Band Edge NVNT b 2462MHz Ant1 Ref



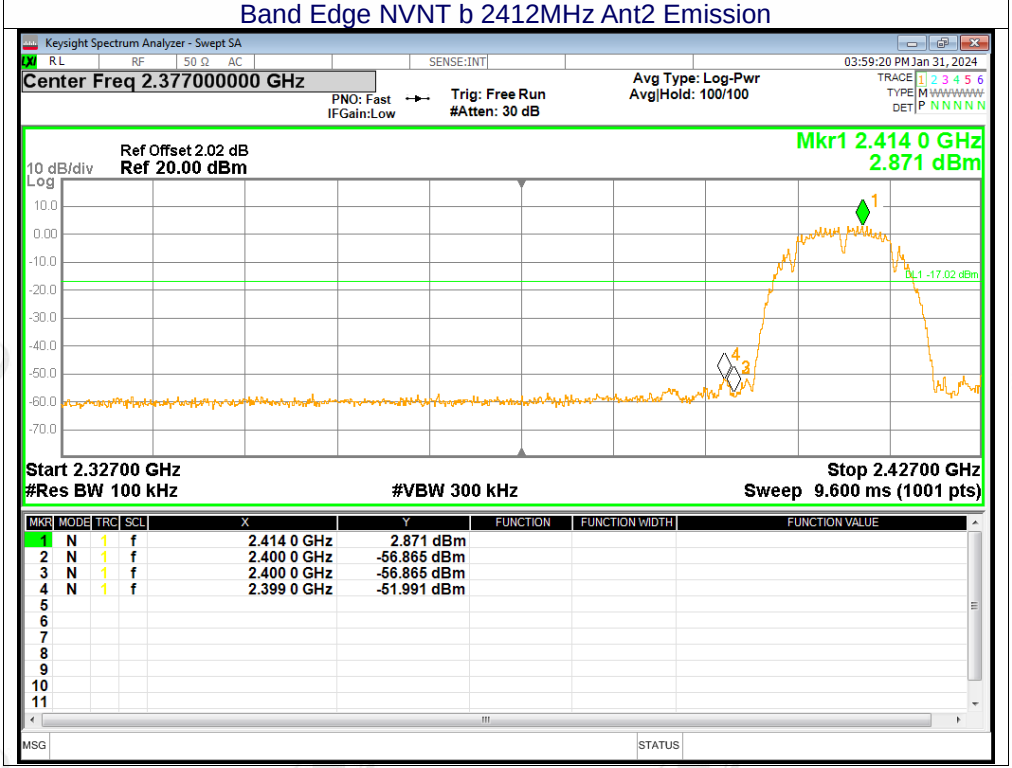
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant2 Ref

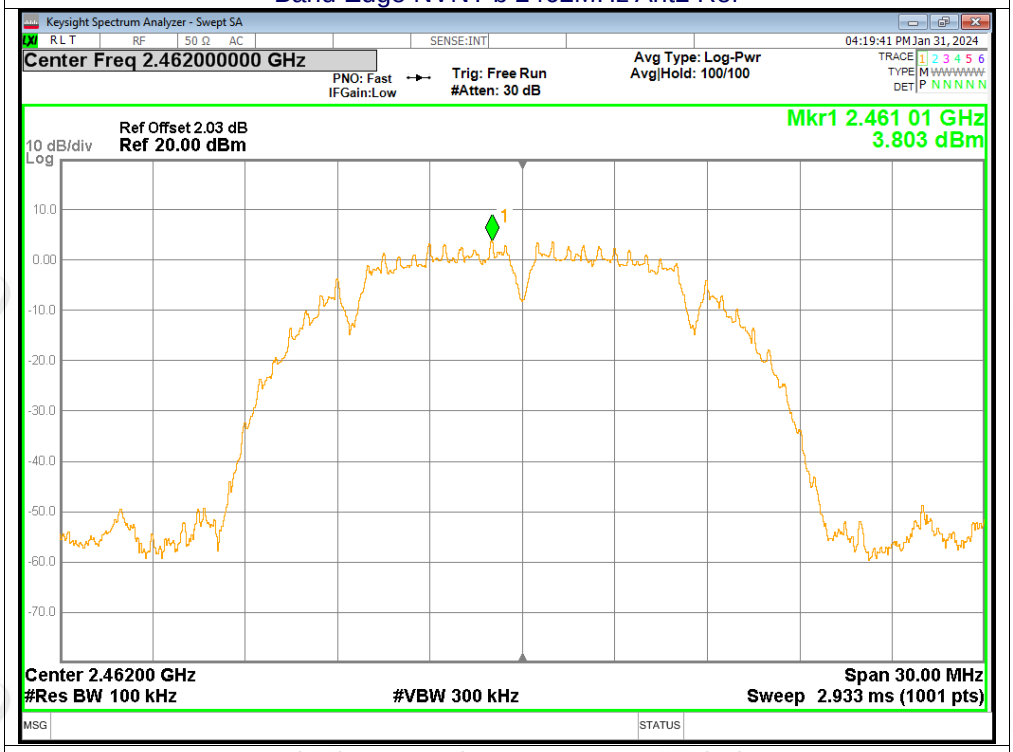


Band Edge NVNT b 2412MHz Ant2 Emission

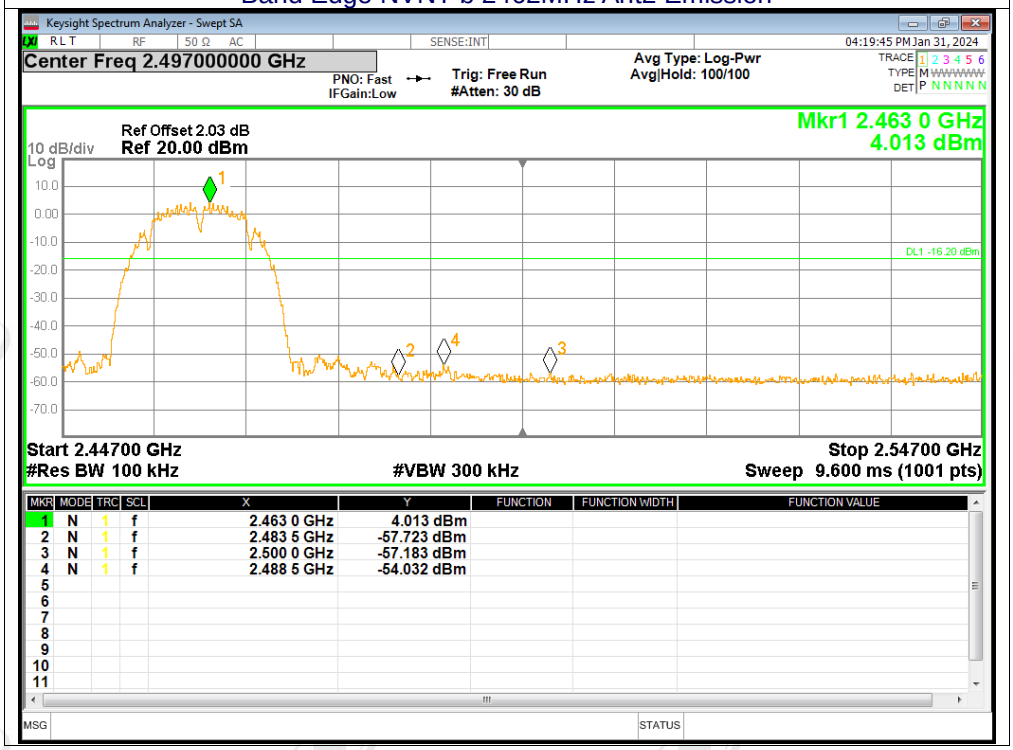


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 0 GHz	2.871 dBm			
2	N	1	f	2.400 0 GHz	-56.865 dBm			
3	N	1	f	2.400 0 GHz	-56.865 dBm			
4	N	1	f	2.399 0 GHz	-51.991 dBm			
5								
6								
7								
8								
9								
10								
11								

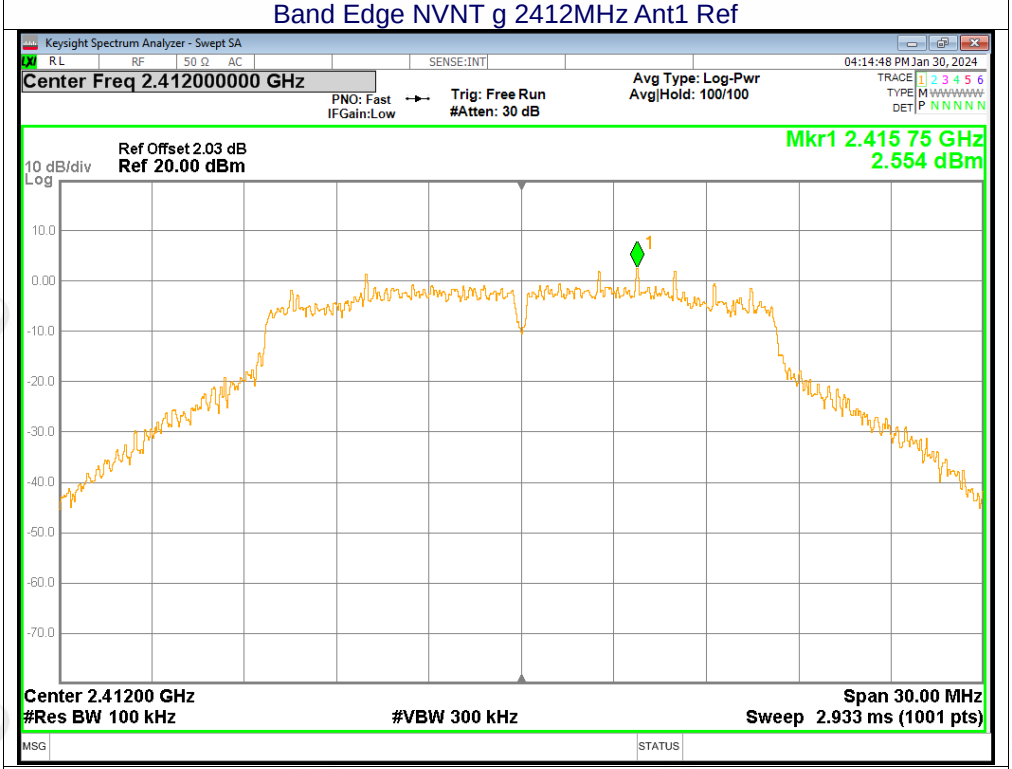
Band Edge NVNT b 2462MHz Ant2 Ref



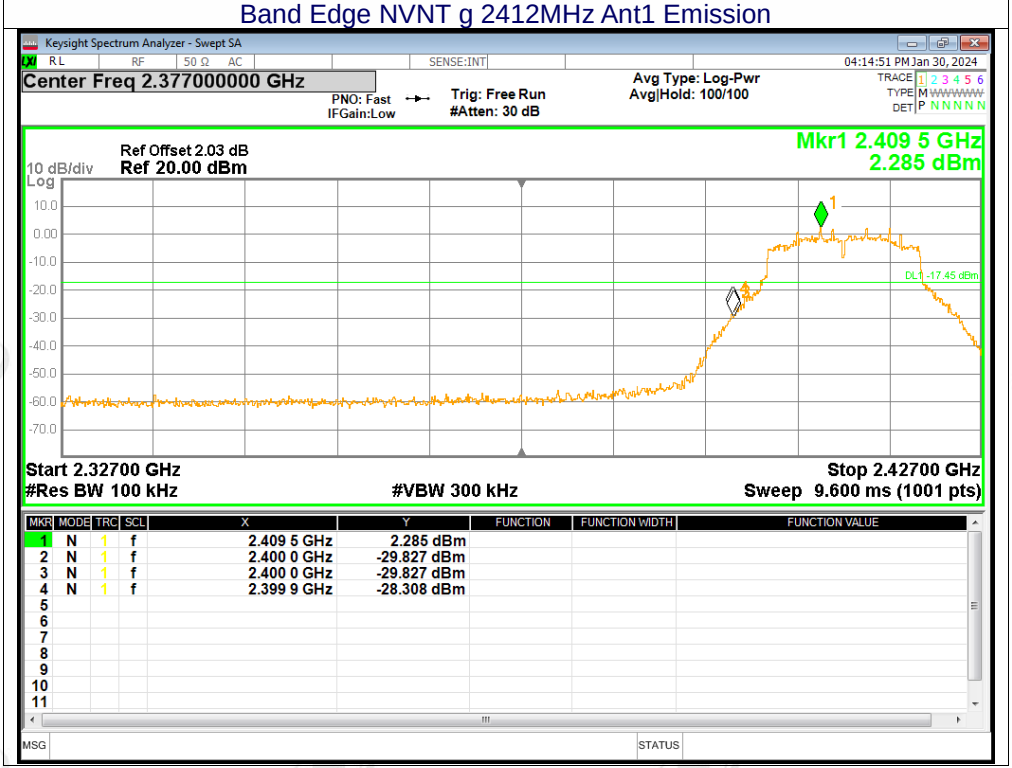
Band Edge NVNT b 2462MHz Ant2 Emission



Band Edge NVNT g 2412MHz Ant1 Ref

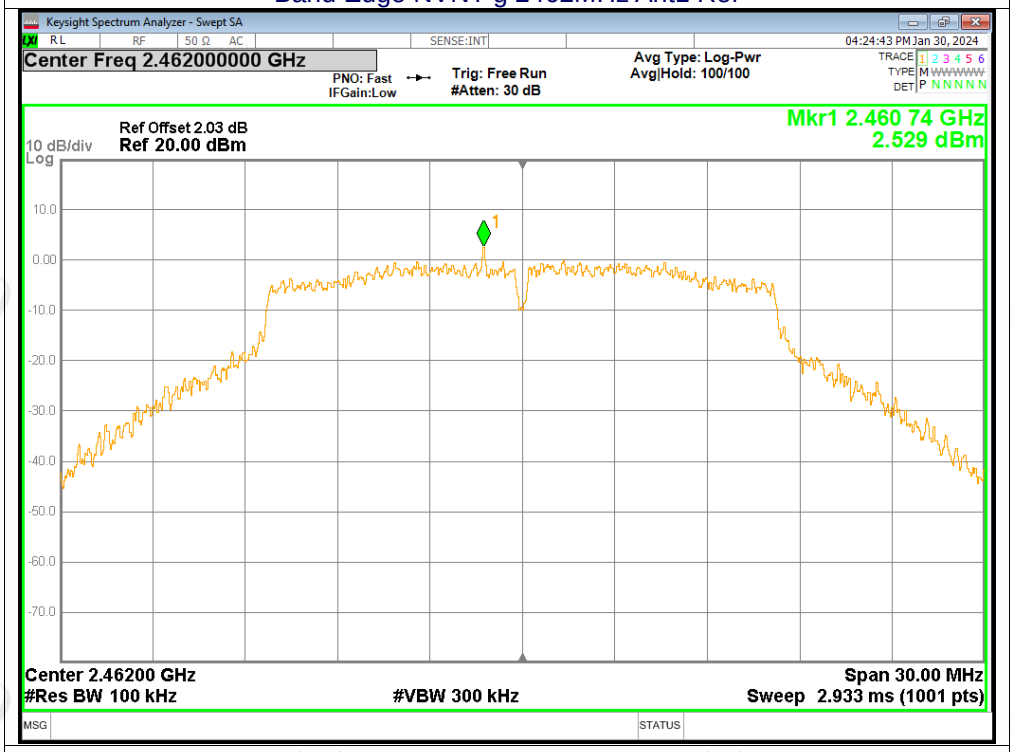


Band Edge NVNT g 2412MHz Ant1 Emission

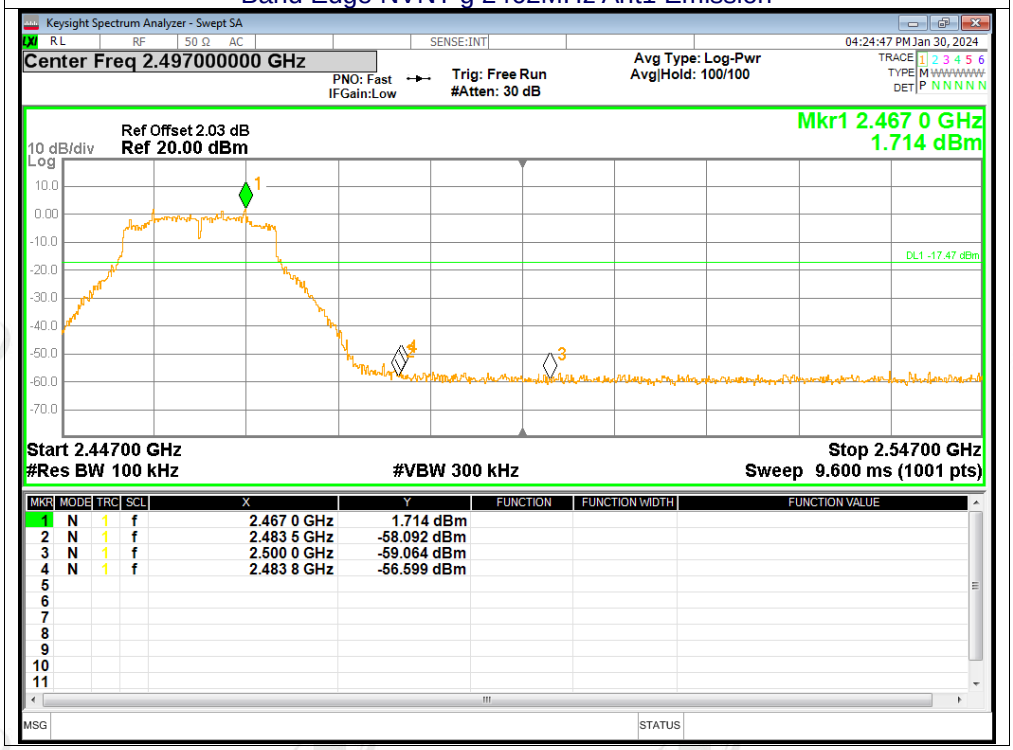


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.409 5 GHz	2.285 dBm			
2	N	1	f	2.400 0 GHz	-29.827 dBm			
3	N	1	f	2.400 0 GHz	-29.827 dBm			
4	N	1	f	2.399 9 GHz	-28.308 dBm			
5								
6								
7								
8								
9								
10								
11								

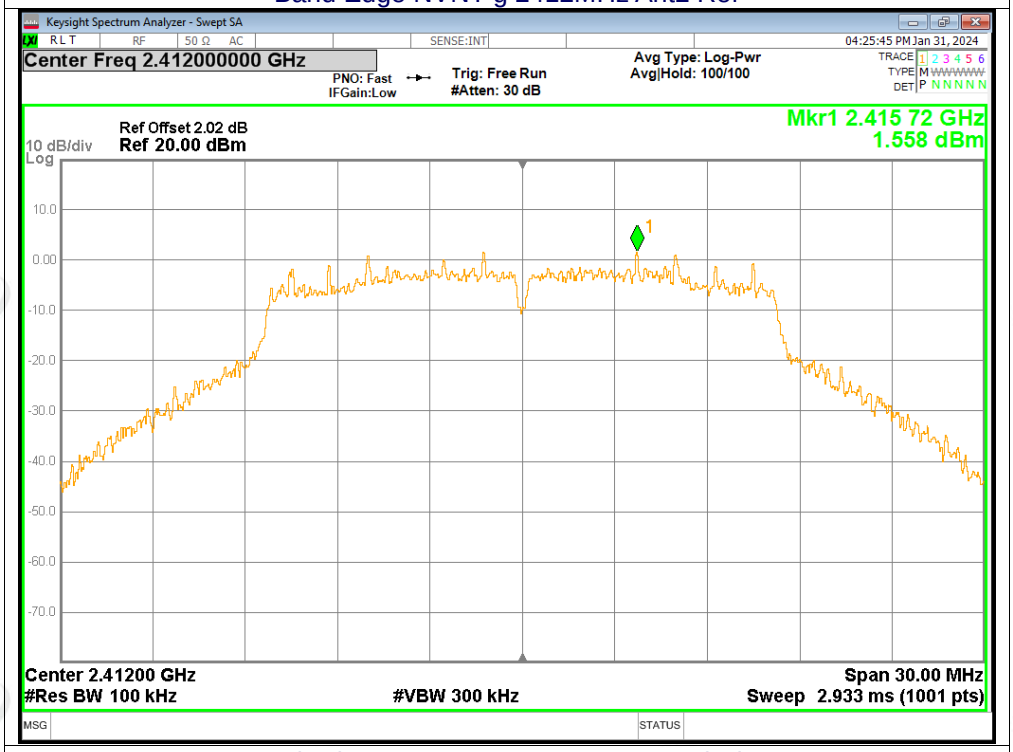
Band Edge NVNT g 2462MHz Ant1 Ref



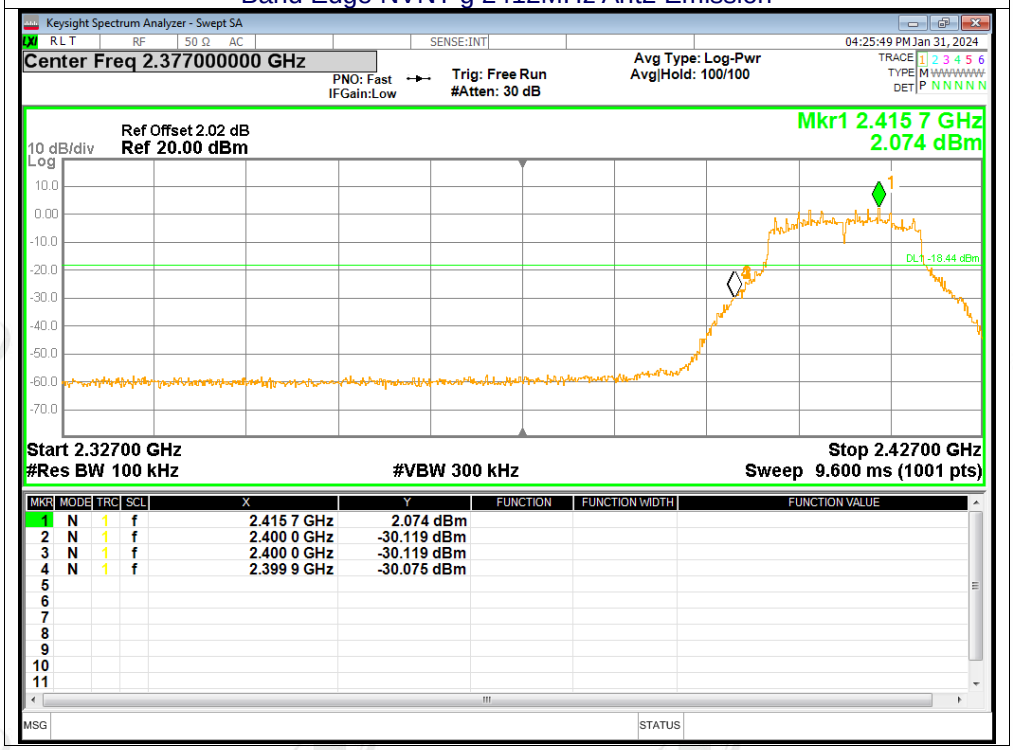
Band Edge NVNT g 2462MHz Ant1 Emission



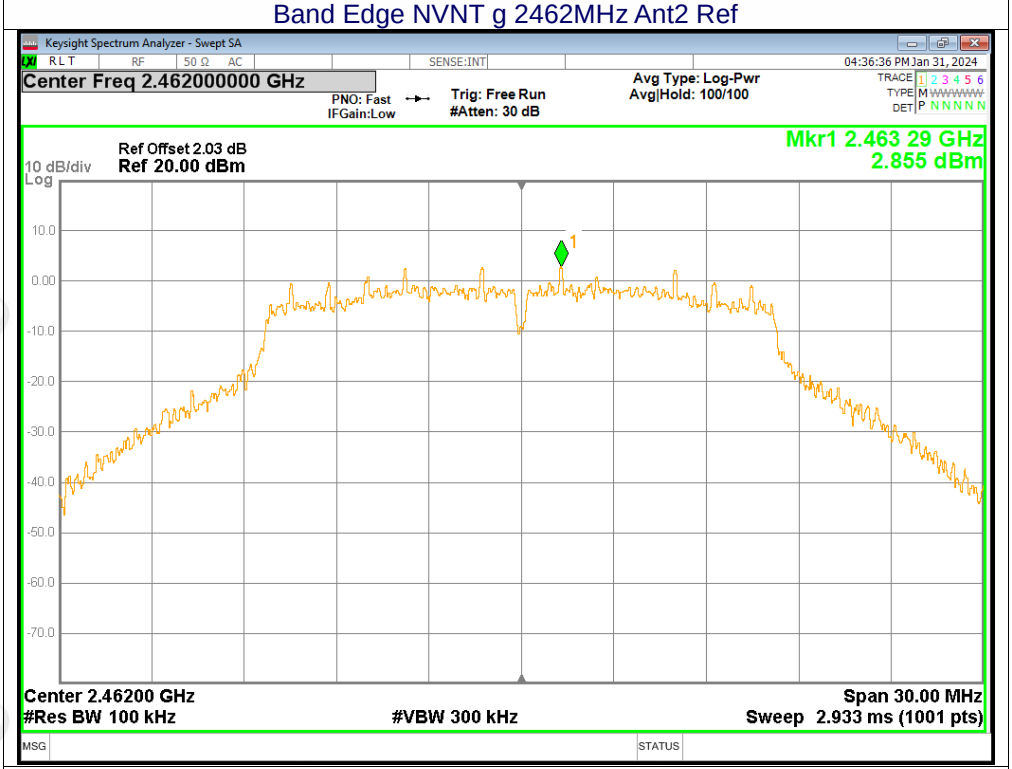
Band Edge NVNT g 2412MHz Ant2 Ref



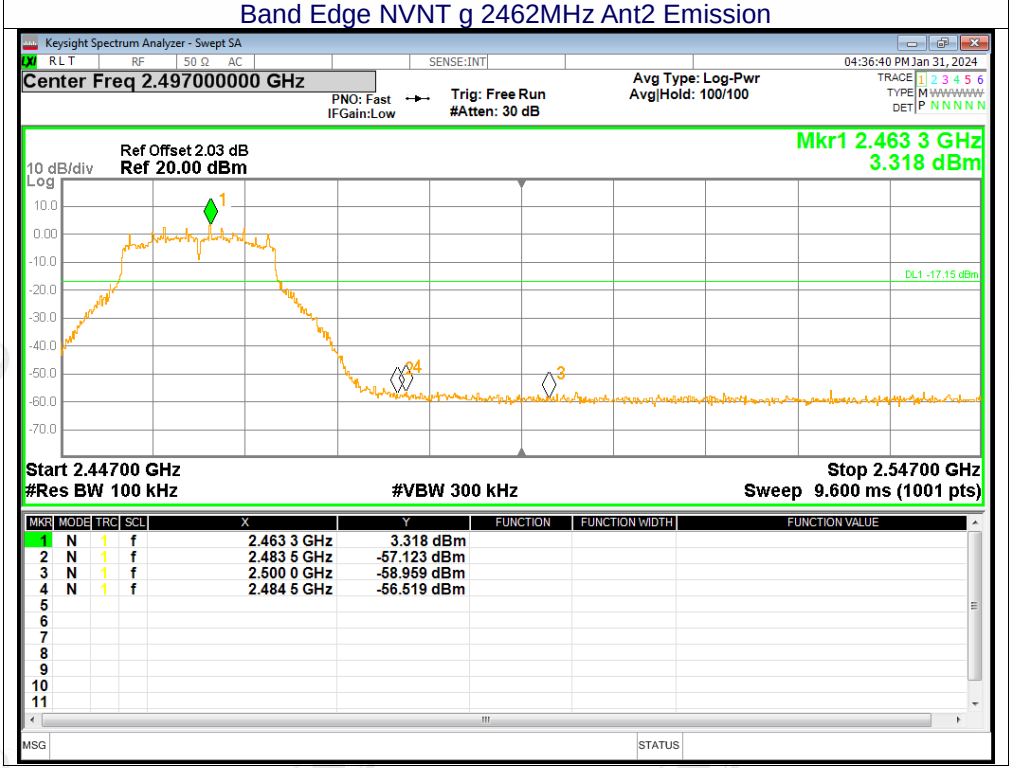
Band Edge NVNT g 2412MHz Ant2 Emission



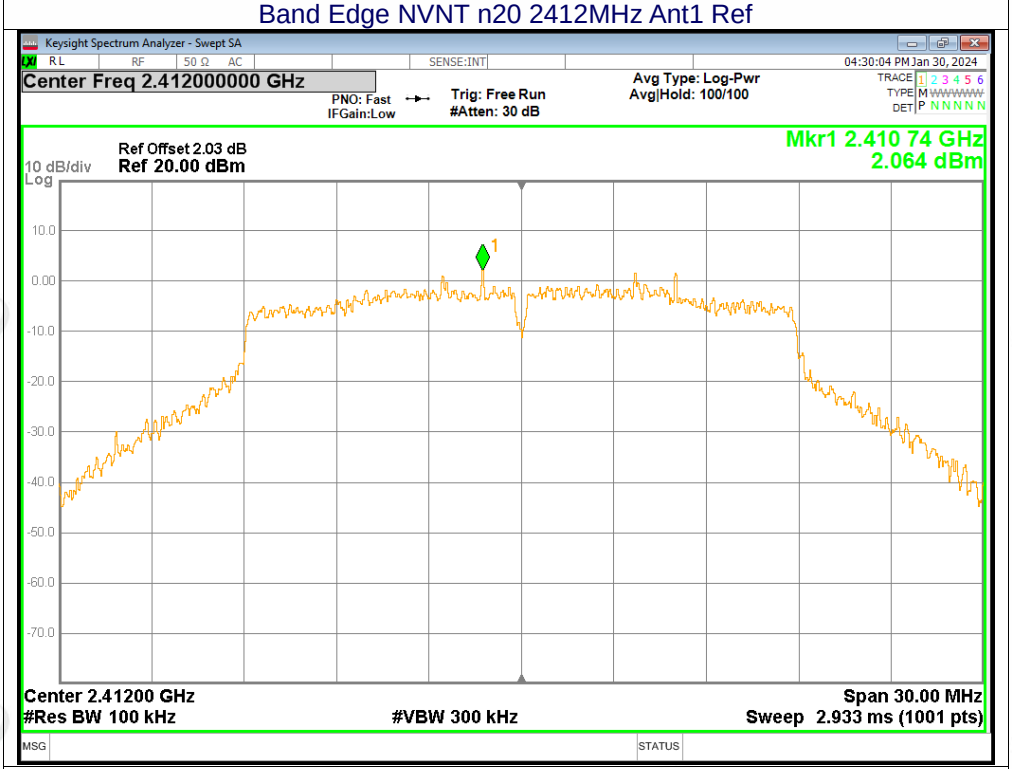
Band Edge NVNT g 2462MHz Ant2 Ref



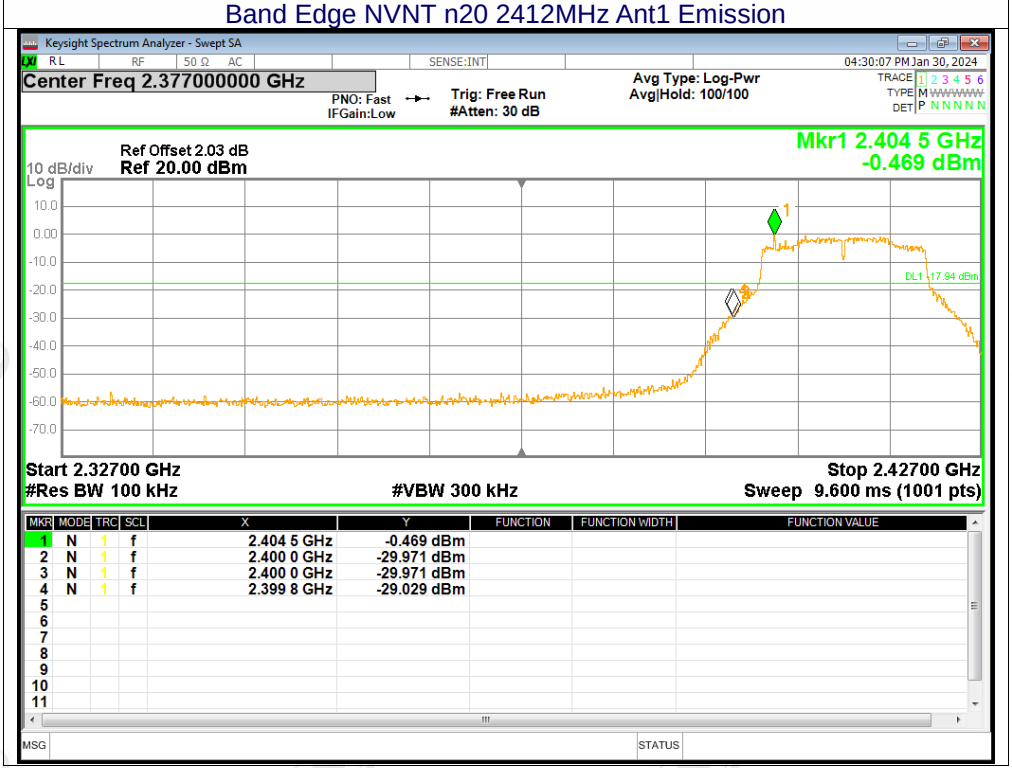
Band Edge NVNT g 2462MHz Ant2 Emission



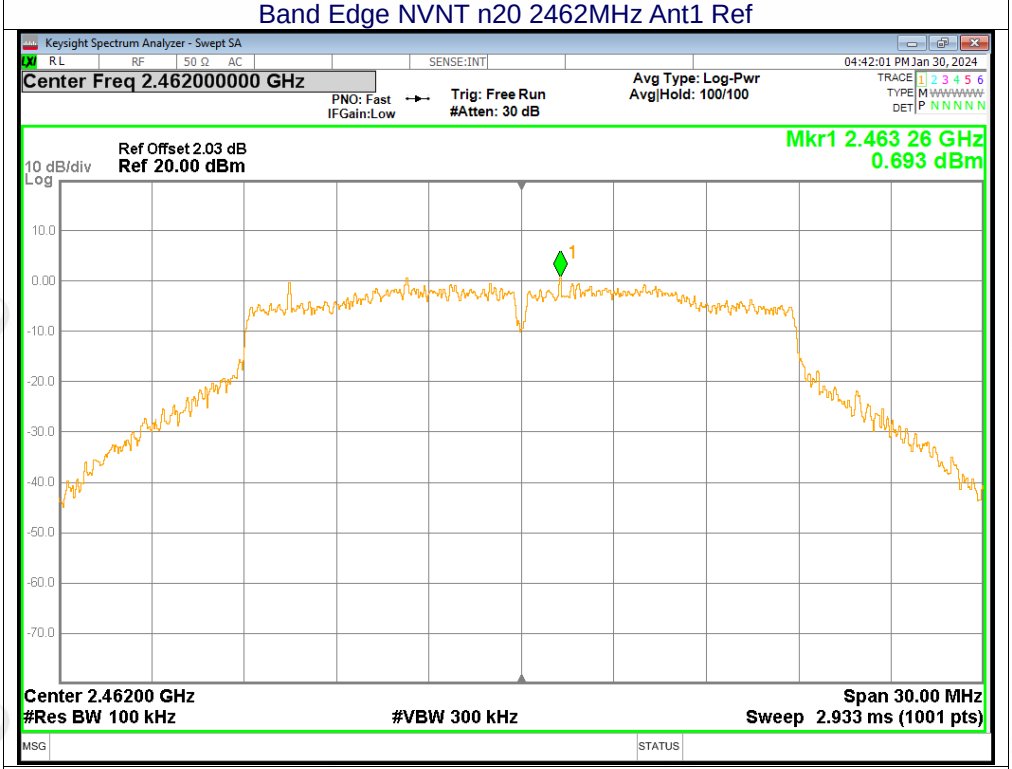
Band Edge NVNT n20 2412MHz Ant1 Ref



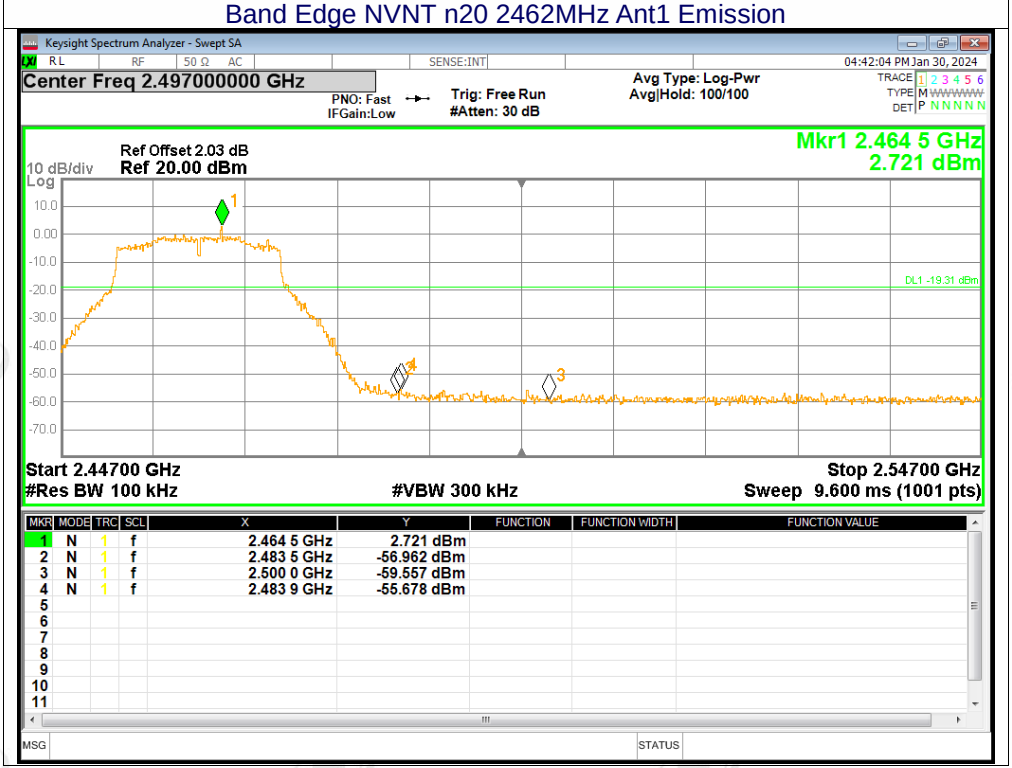
Band Edge NVNT n20 2412MHz Ant1 Emission



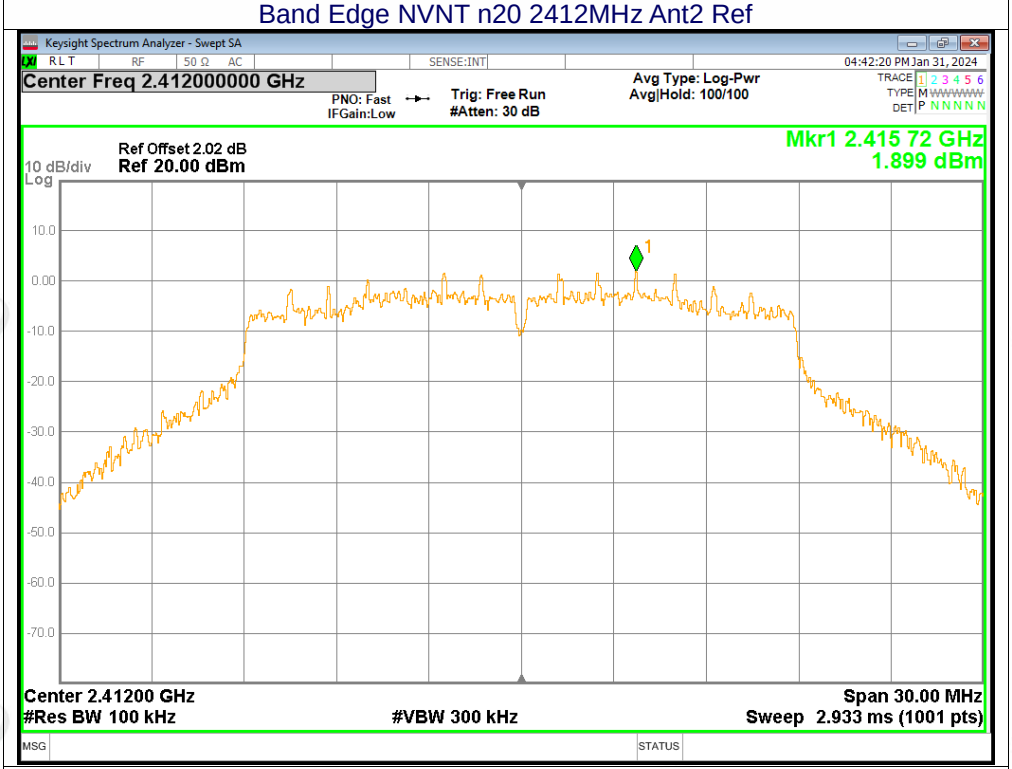
Band Edge NVNT n20 2462MHz Ant1 Ref



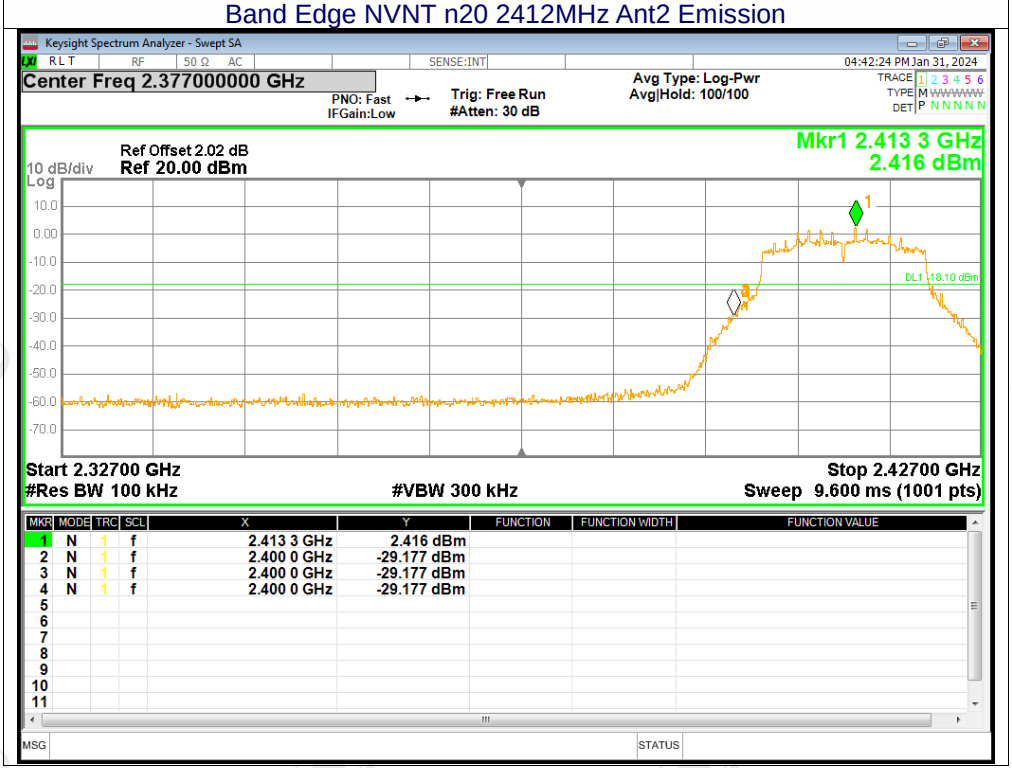
Band Edge NVNT n20 2462MHz Ant1 Emission



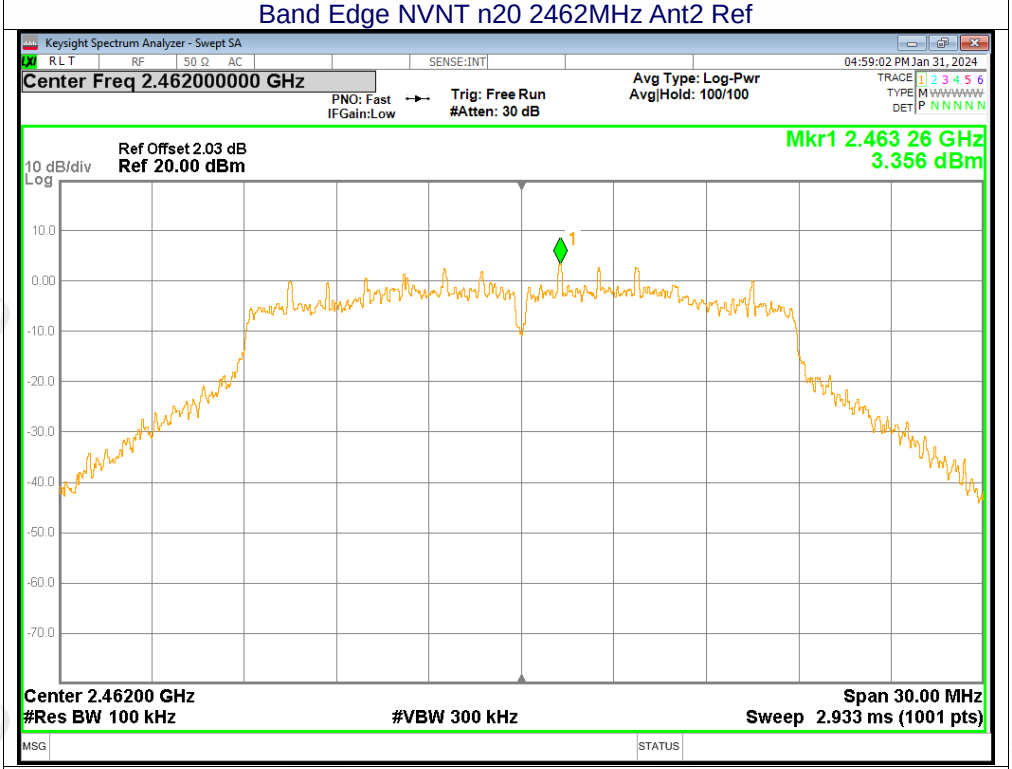
Band Edge NVNT n20 2412MHz Ant2 Ref



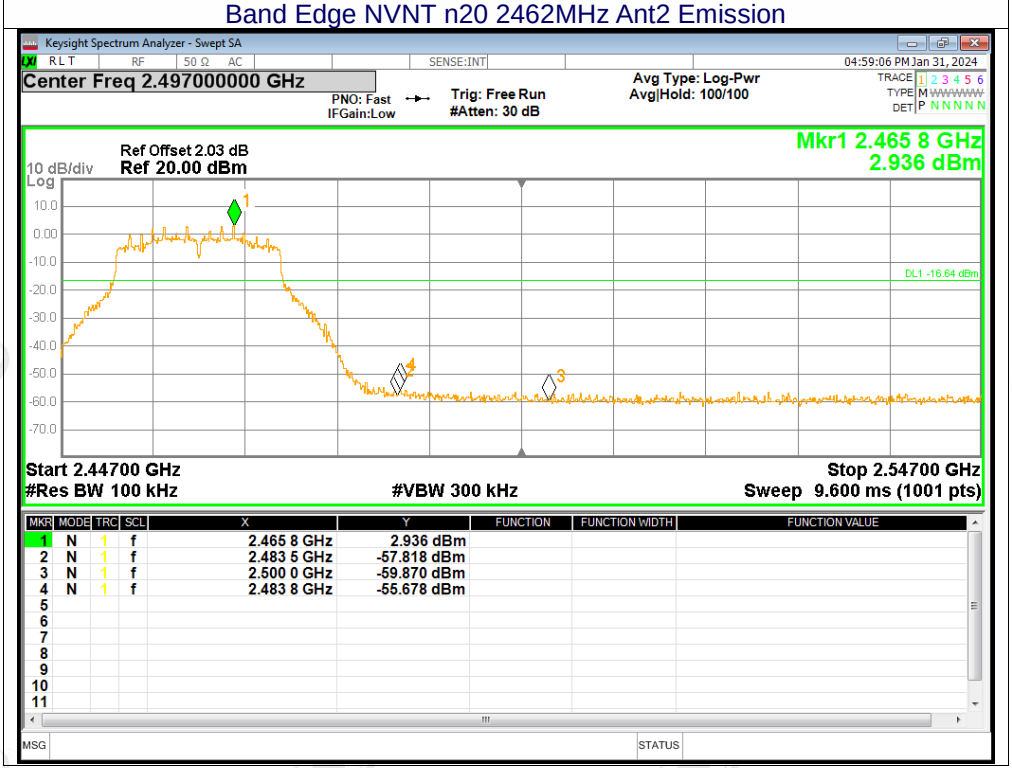
Band Edge NVNT n20 2412MHz Ant2 Emission



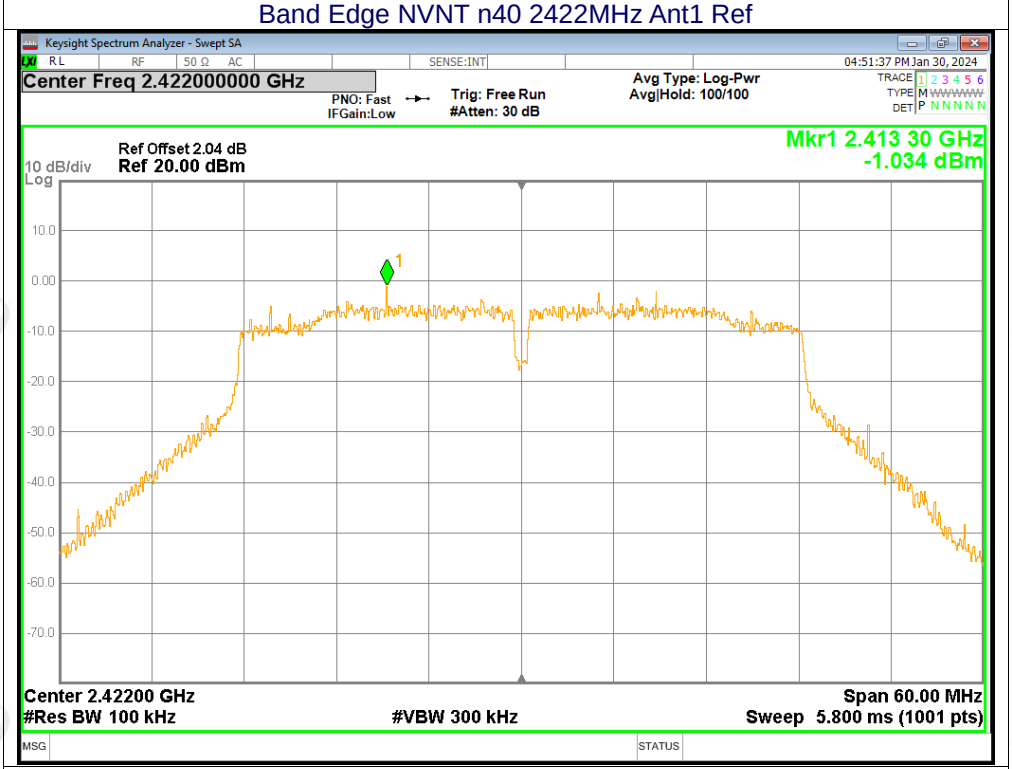
Band Edge NVNT n20 2462MHz Ant2 Ref



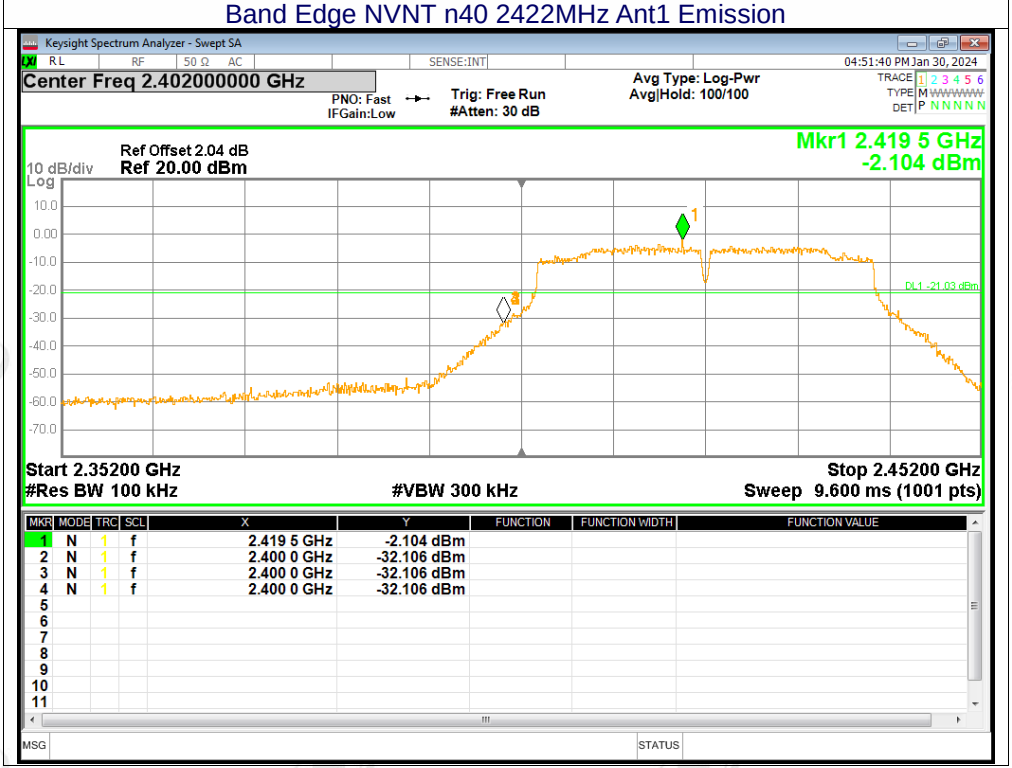
Band Edge NVNT n20 2462MHz Ant2 Emission



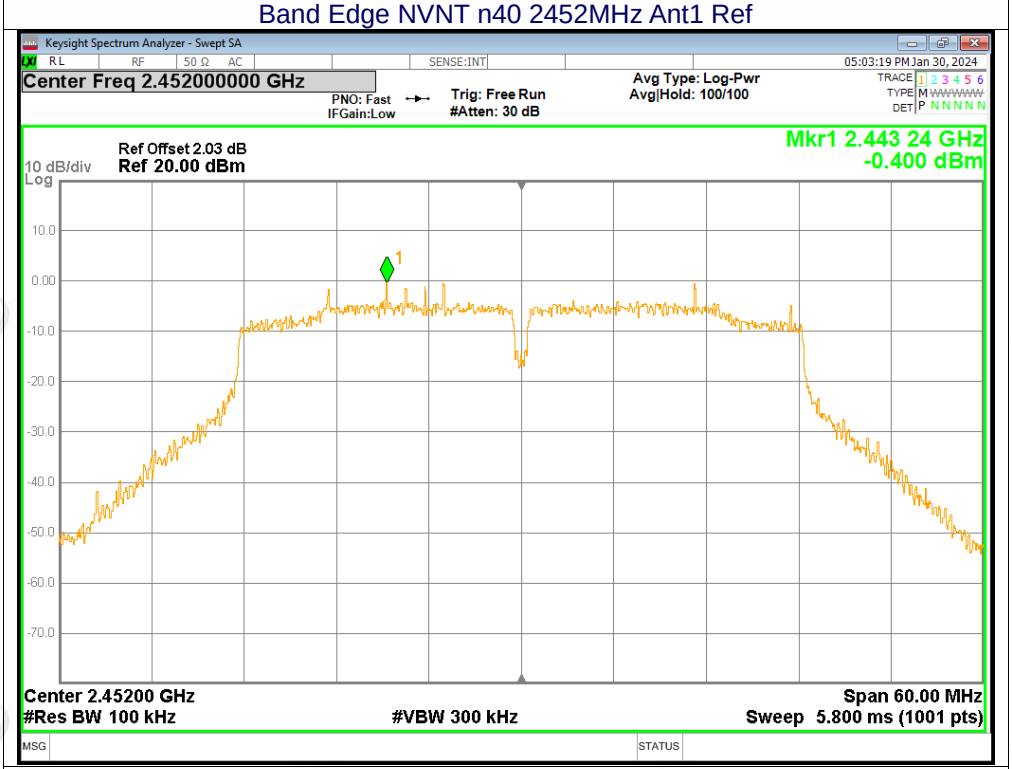
Band Edge NVNT n40 2422MHz Ant1 Ref



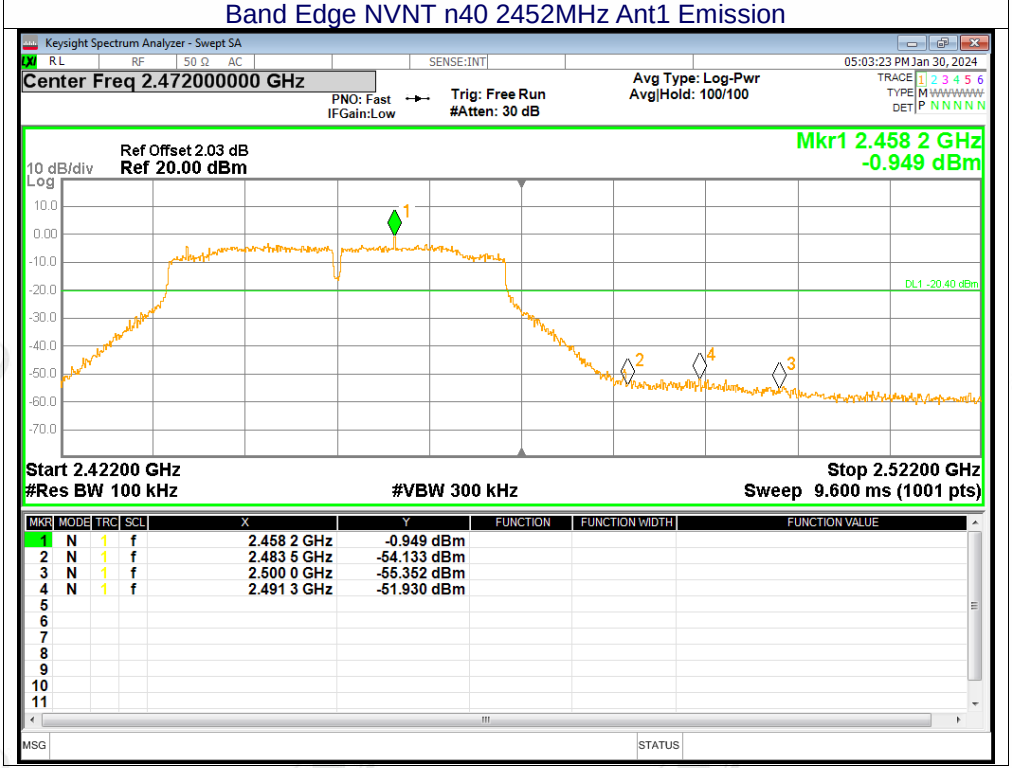
Band Edge NVNT n40 2422MHz Ant1 Emission



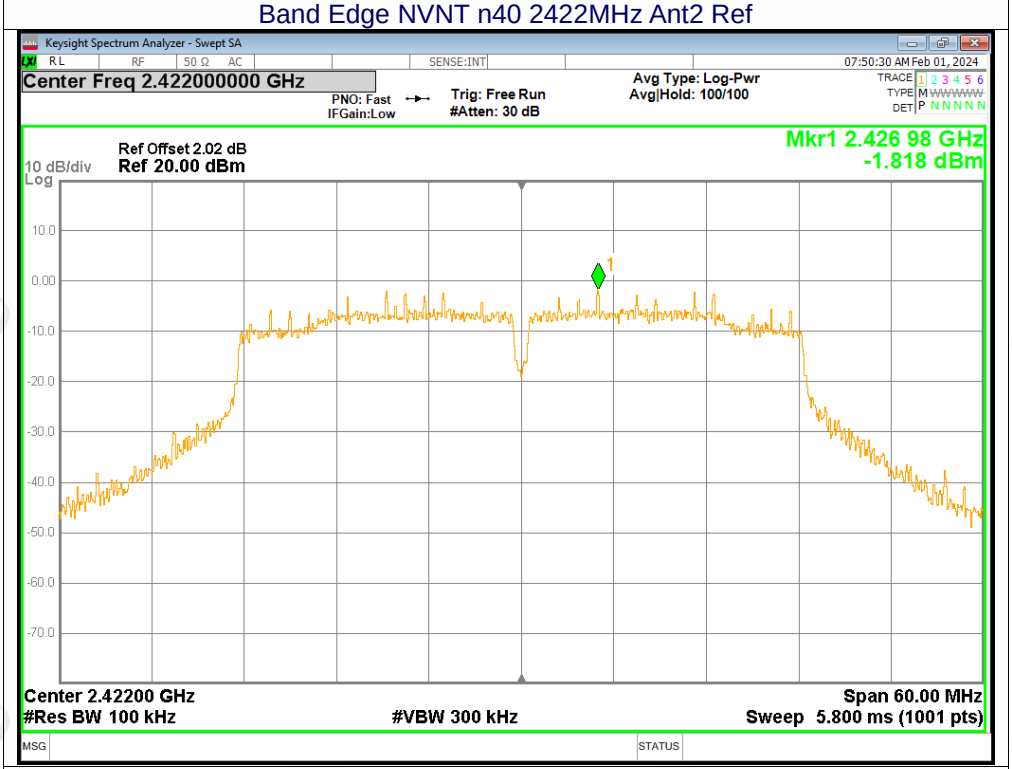
Band Edge NVNT n40 2452MHz Ant1 Ref



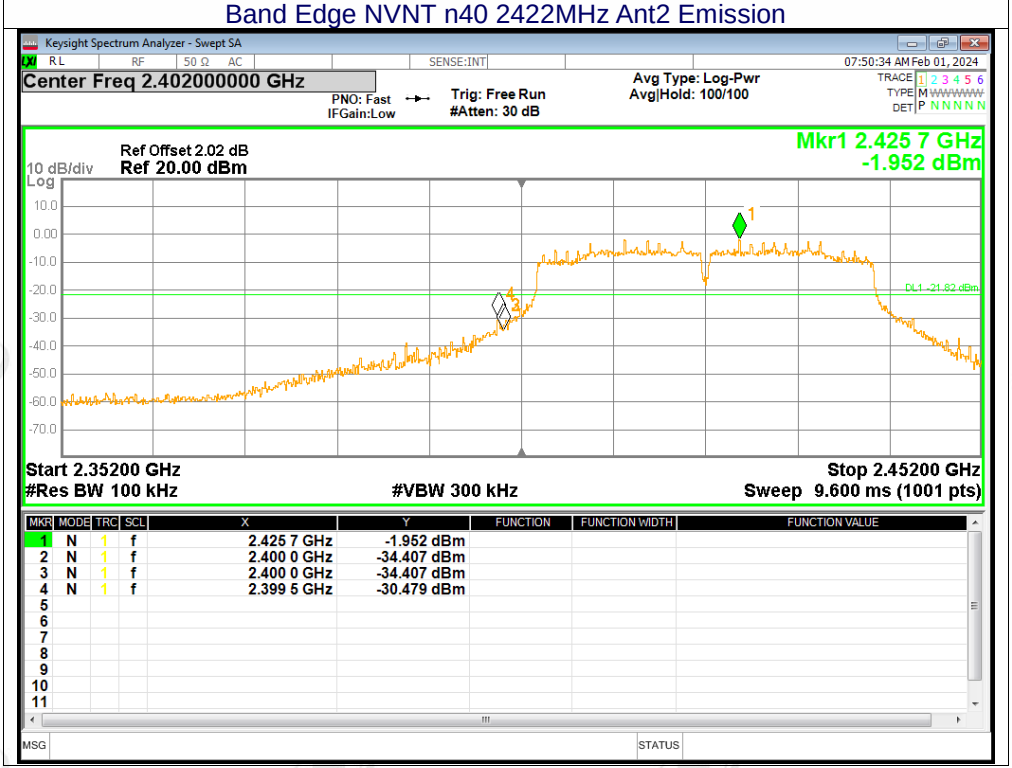
Band Edge NVNT n40 2452MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant2 Ref

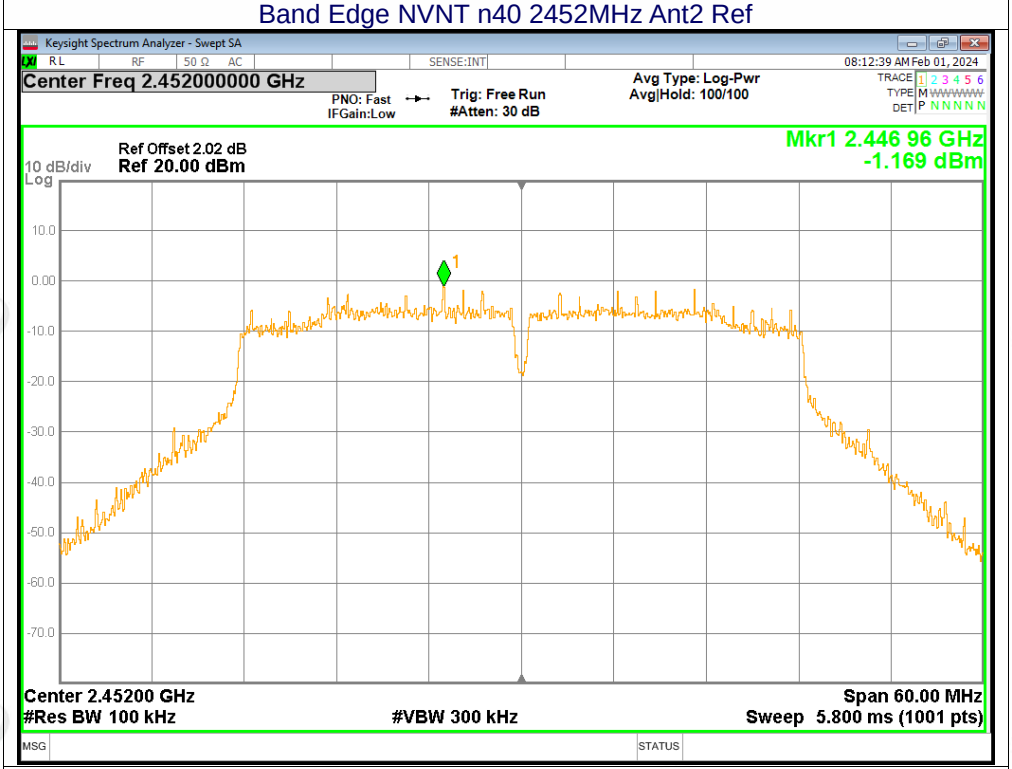


Band Edge NVNT n40 2422MHz Ant2 Emission

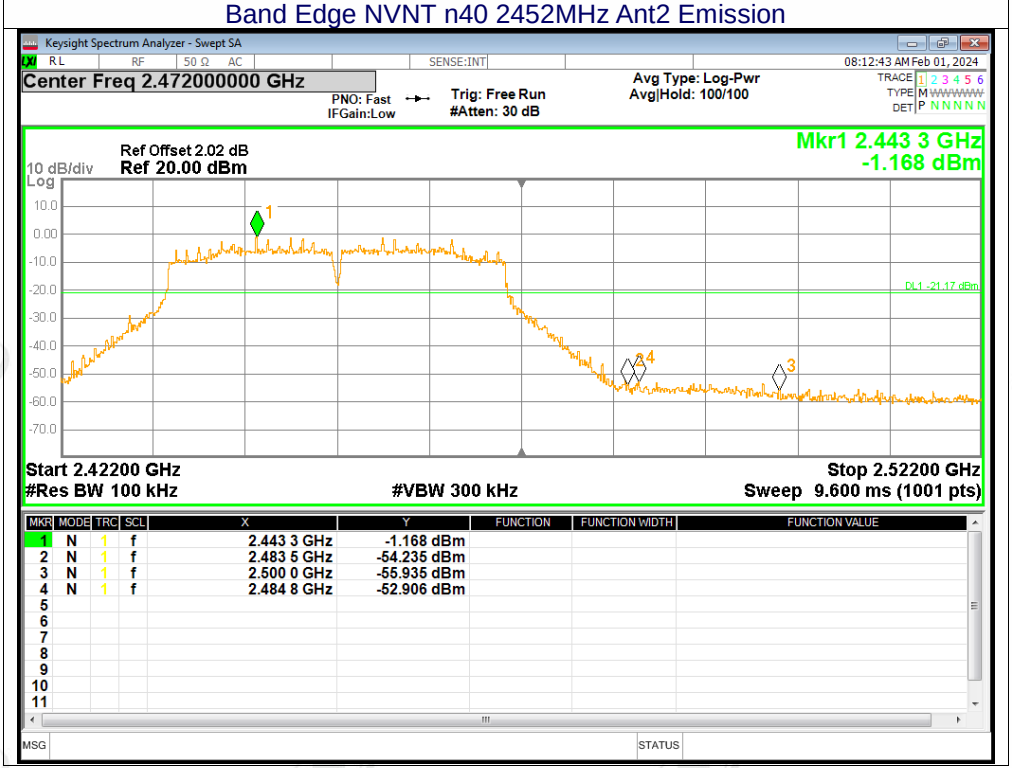


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.425 7 GHz	-1.952 dBm			
2	N	1	f	2.400 0 GHz	-34.407 dBm			
3	N	1	f	2.400 0 GHz	-34.407 dBm			
4	N	1	f	2.399 5 GHz	-30.479 dBm			
5								
6								
7								
8								
9								
10								
11								

Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission



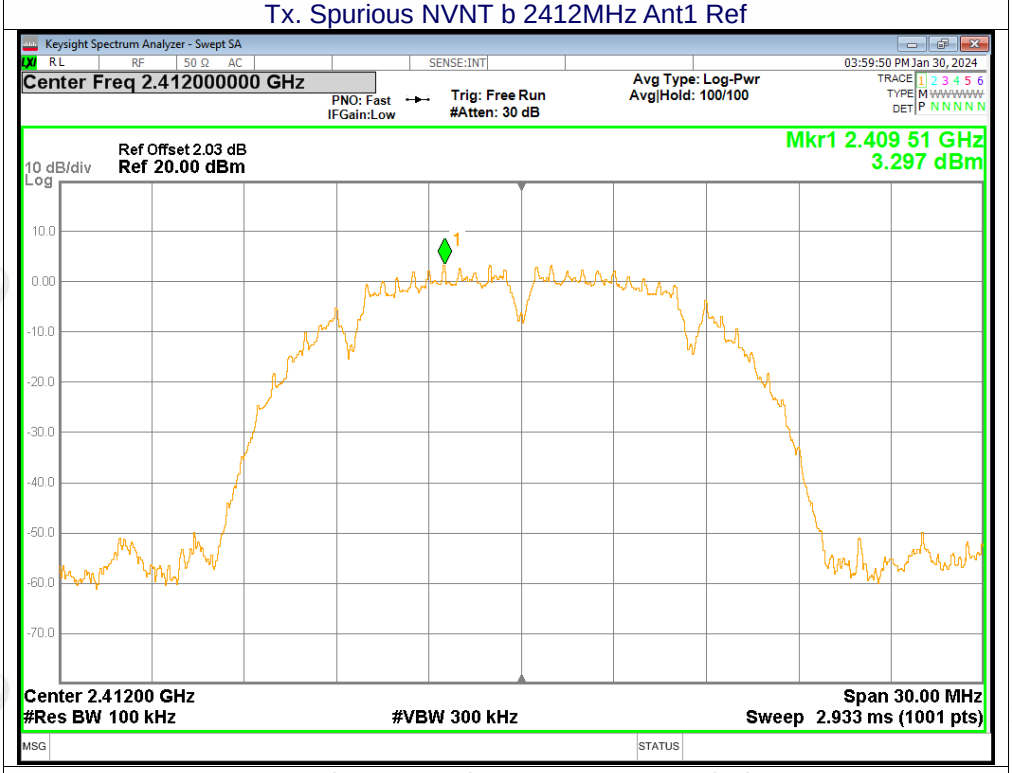
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.443 3 GHz	-1.168 dBm			
2	N	1	f	2.483 5 GHz	-54.235 dBm			
3	N	1	f	2.500 0 GHz	-55.935 dBm			
4	N	1	f	2.484 8 GHz	-52.906 dBm			
5								
6								
7								
8								
9								
10								
11								

10.8 CONDUCTED RF SPURIOUS EMISSION

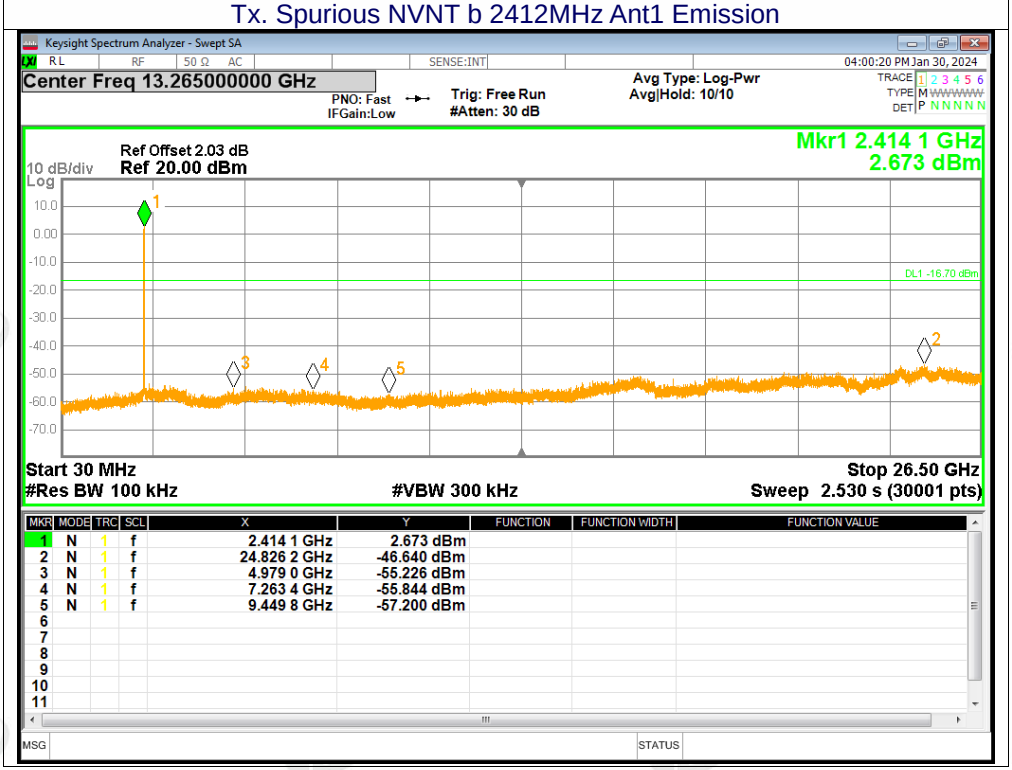
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.93	-20	Pass
NVNT	b	2437	Ant1	-50.22	-20	Pass
NVNT	b	2462	Ant1	-50.14	-20	Pass
NVNT	b	2412	Ant2	-49.36	-20	Pass
NVNT	b	2437	Ant2	-50.15	-20	Pass
NVNT	b	2462	Ant2	-50.1	-20	Pass
NVNT	g	2412	Ant1	-47.98	-20	Pass
NVNT	g	2437	Ant1	-49.84	-20	Pass
NVNT	g	2462	Ant1	-49.59	-20	Pass
NVNT	g	2412	Ant2	-48.65	-20	Pass
NVNT	g	2437	Ant2	-49.57	-20	Pass
NVNT	g	2462	Ant2	-49.36	-20	Pass
NVNT	n20	2412	Ant1	-47.75	-20	Pass
NVNT	n20	2437	Ant1	-49.3	-20	Pass
NVNT	n20	2462	Ant1	-48.81	-20	Pass
NVNT	n20	2412	Ant2	-48.91	-20	Pass
NVNT	n20	2437	Ant2	-47.94	-20	Pass
NVNT	n20	2462	Ant2	-49.66	-20	Pass
NVNT	n40	2422	Ant1	-45.58	-20	Pass
NVNT	n40	2437	Ant1	-46.13	-20	Pass
NVNT	n40	2452	Ant1	-45.36	-20	Pass
NVNT	n40	2422	Ant2	-45.5	-20	Pass
NVNT	n40	2437	Ant2	-46.74	-20	Pass
NVNT	n40	2452	Ant2	-45.1	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 1 GHz	2.673 dBm			
2	N	1	f	24.826 2 GHz	-46.640 dBm			
3	N	1	f	4.979 0 GHz	-55.226 dBm			
4	N	1	f	7.263 4 GHz	-55.844 dBm			
5	N	1	f	9.449 8 GHz	-57.200 dBm			
6								
7								
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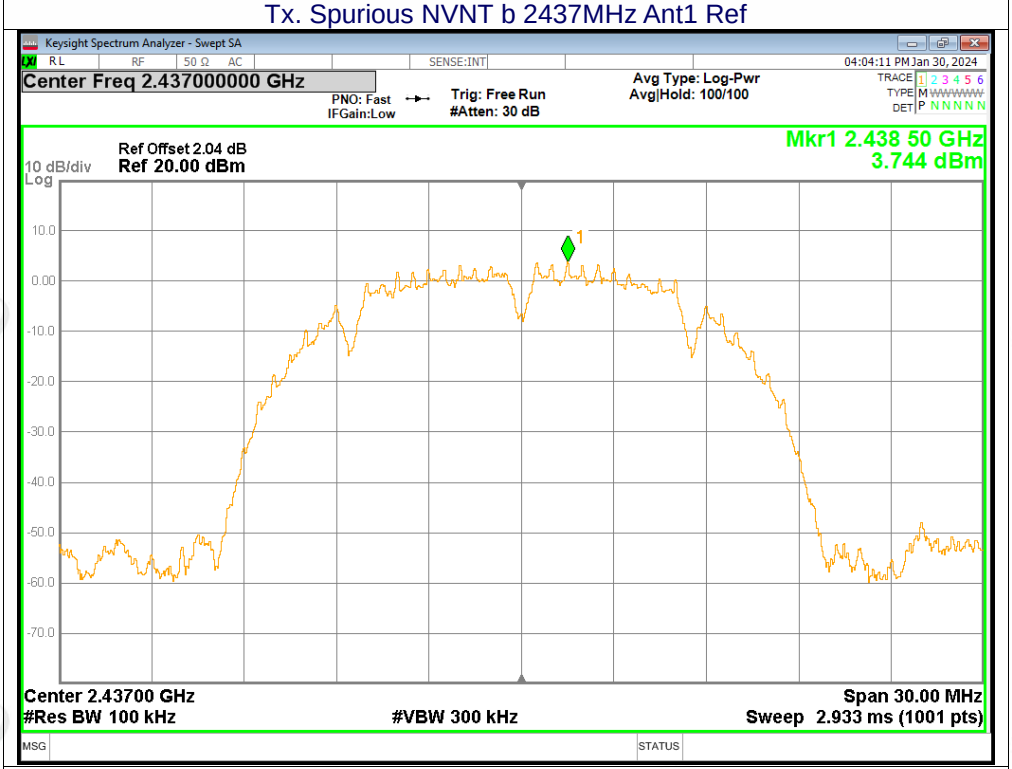
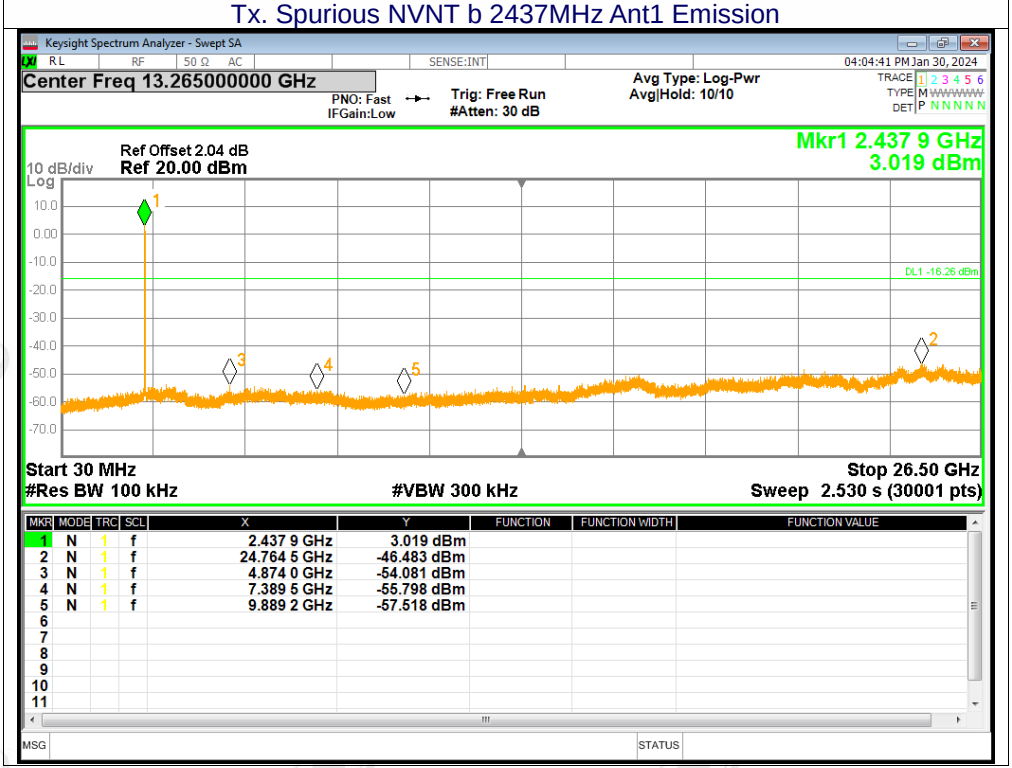
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 9 GHz	3.019 dBm			
2	N	1	f	24.764 5 GHz	-46.483 dBm			
3	N	1	f	4.874 0 GHz	-54.081 dBm			
4	N	1	f	7.389 5 GHz	-55.798 dBm			
5	N	1	f	9.889 2 GHz	-57.518 dBm			
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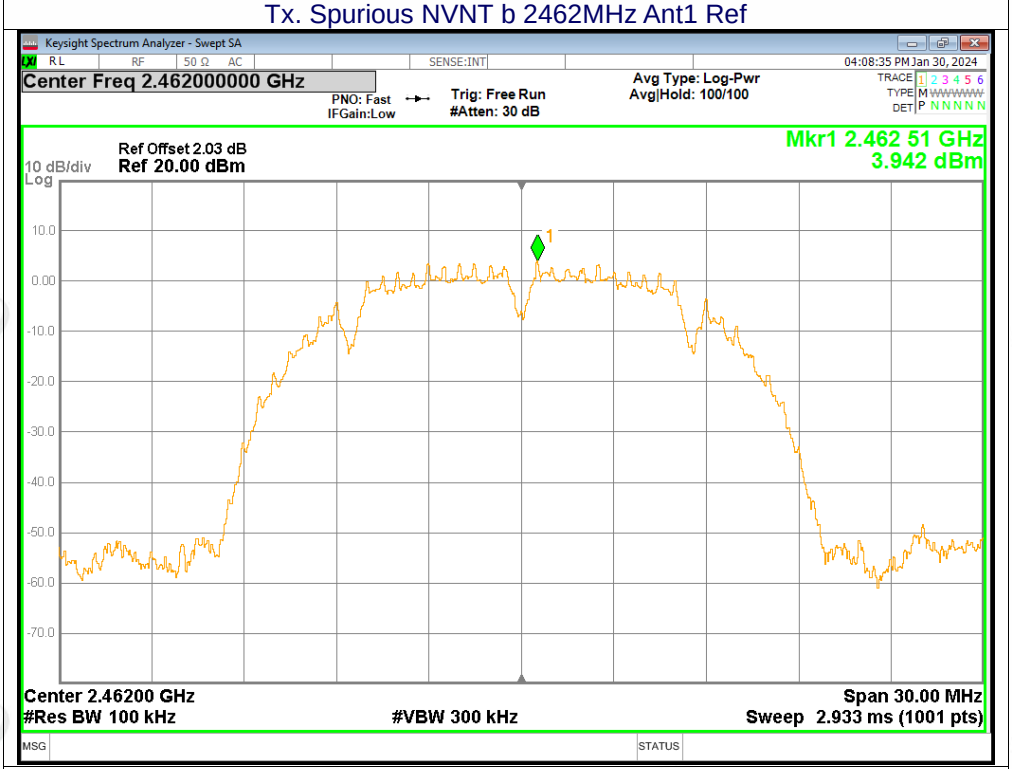
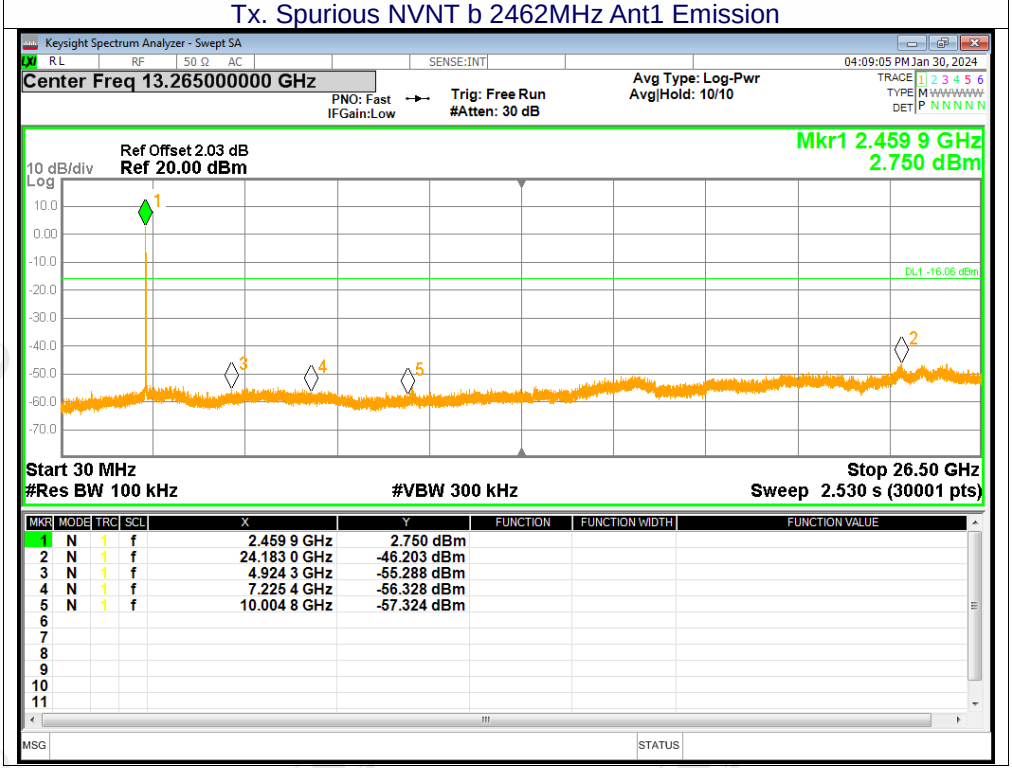
Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.459 9 GHz	2.750 dBm			
2	N	1	f	24.183 0 GHz	-46.203 dBm			
3	N	1	f	4.924 3 GHz	-55.288 dBm			
4	N	1	f	7.225 4 GHz	-56.328 dBm			
5	N	1	f	10.004 8 GHz	-57.324 dBm			
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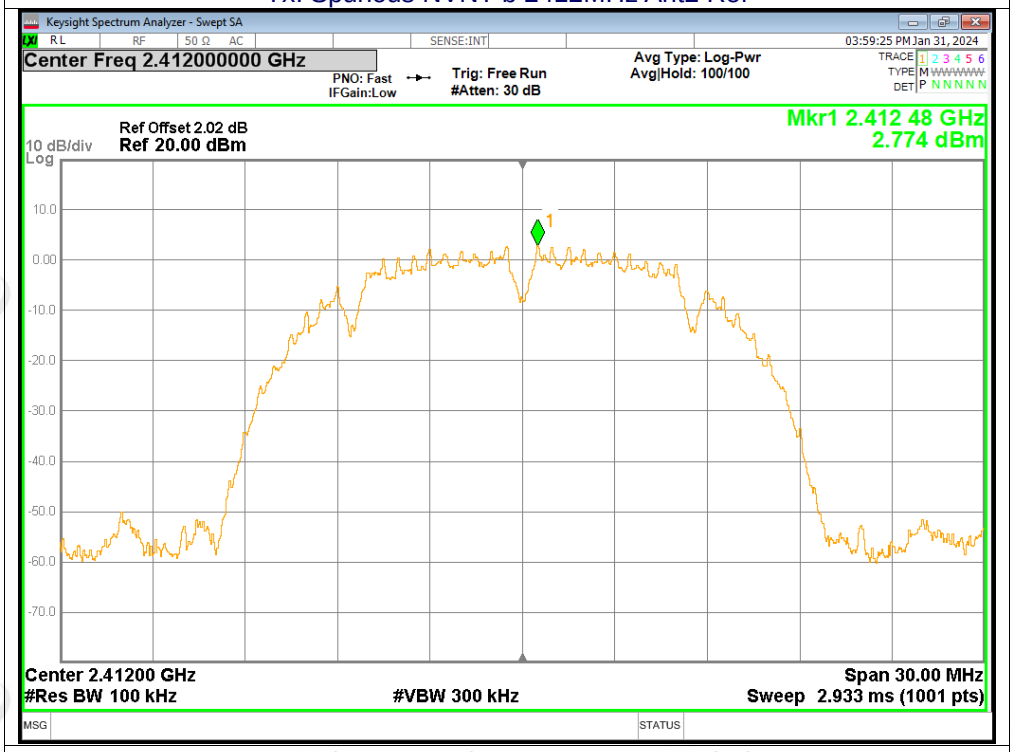
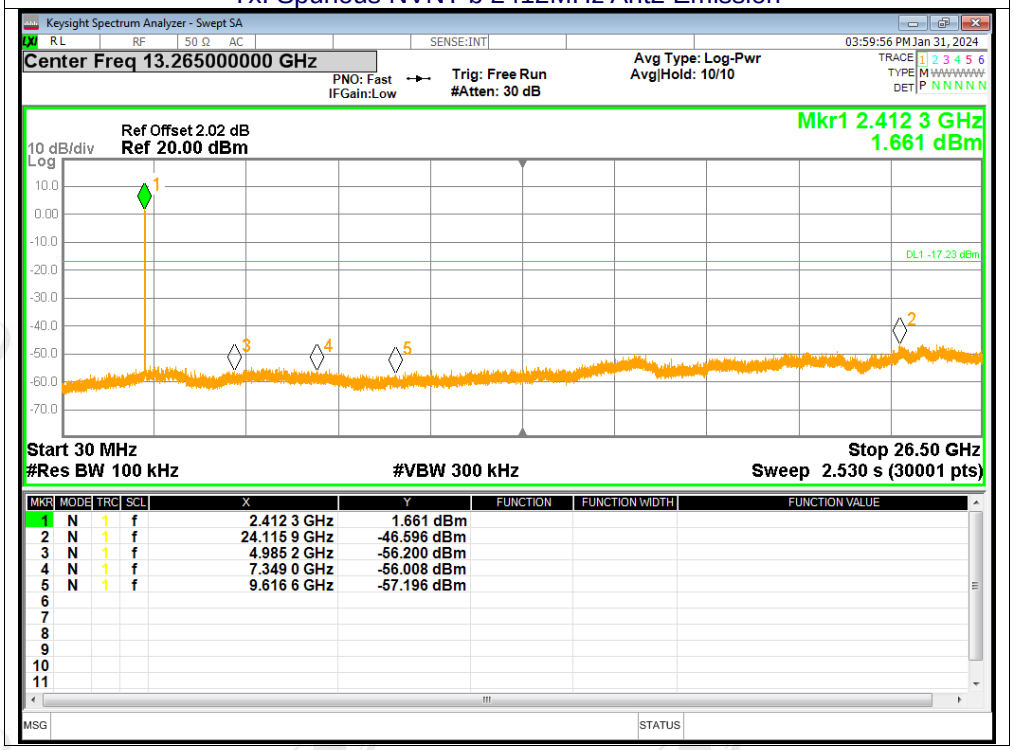
Tx. Spurious NVNT b 2412MHz Ant2 Ref



Tx. Spurious NVNT b 2412MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 3 GHz	1.661 dBm			
2	N	1	f	24.115 9 GHz	-46.596 dBm			
3	N	1	f	4.985 2 GHz	-56.200 dBm			
4	N	1	f	7.349 0 GHz	-56.008 dBm			
5	N	1	f	9.616 6 GHz	-57.196 dBm			
6								
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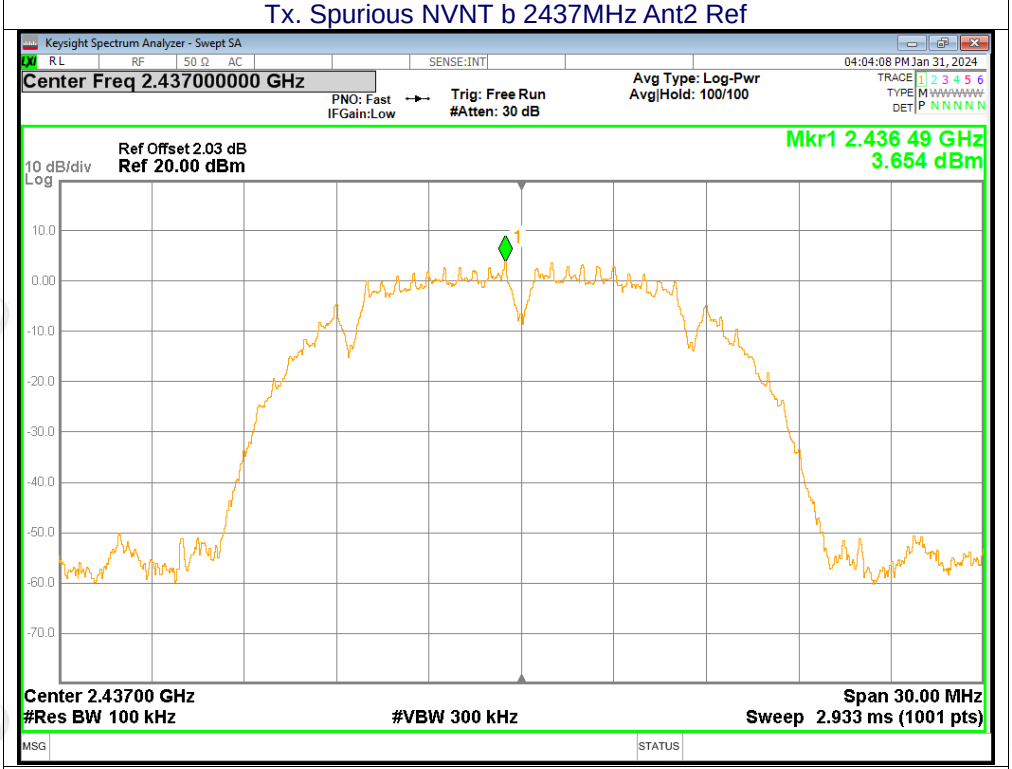
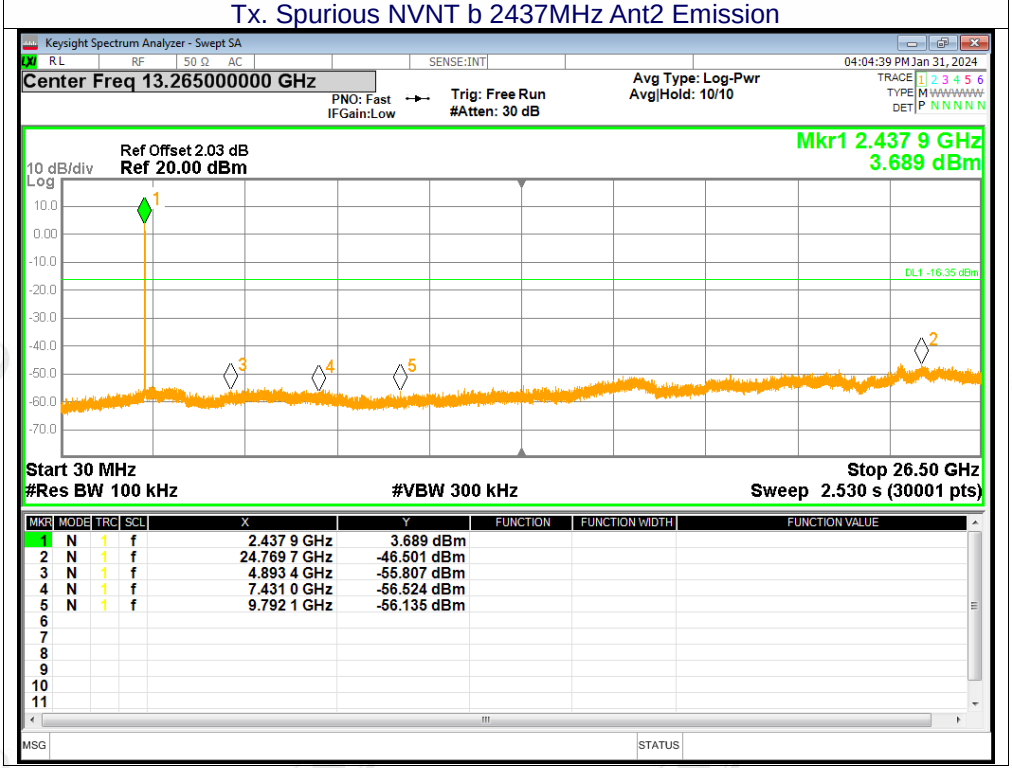
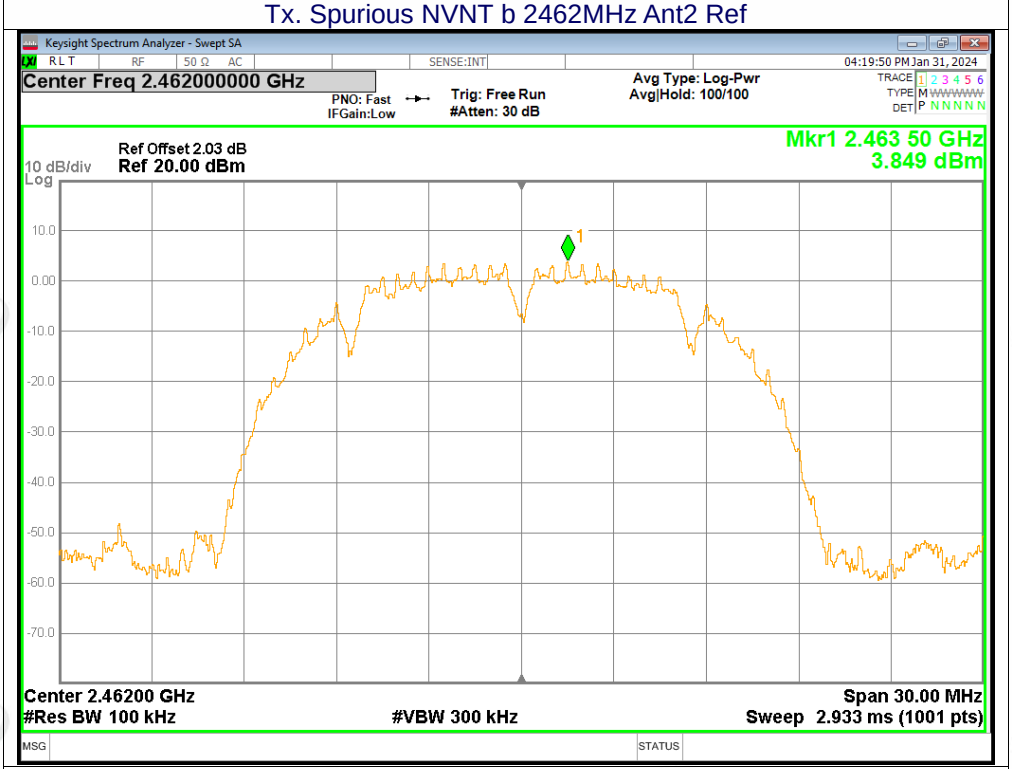
Tx. Spurious NVNT b 2437MHz Ant2 Ref



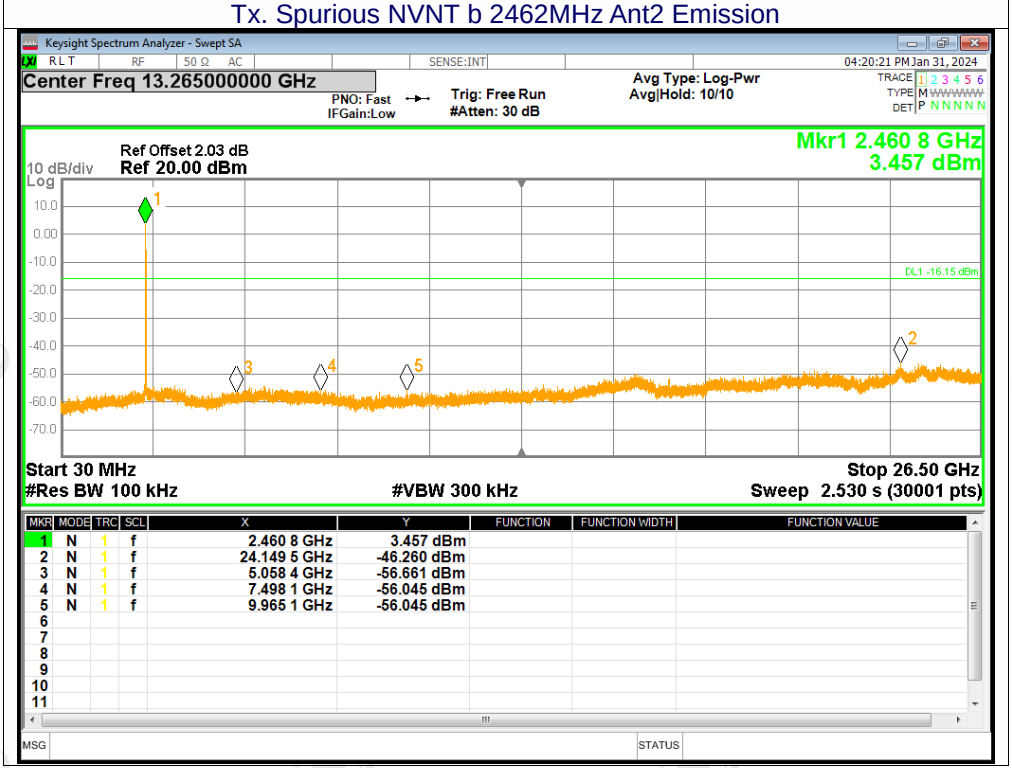
Tx. Spurious NVNT b 2437MHz Ant2 Emission



Tx. Spurious NVNT b 2462MHz Ant2 Ref



Tx. Spurious NVNT b 2462MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.460 8 GHz	3.457 dBm			
2	N	1	f	24.149 5 GHz	-46.260 dBm			
3	N	1	f	5.058 4 GHz	-56.661 dBm			
4	N	1	f	7.498 1 GHz	-56.045 dBm			
5	N	1	f	9.965 1 GHz	-56.045 dBm			
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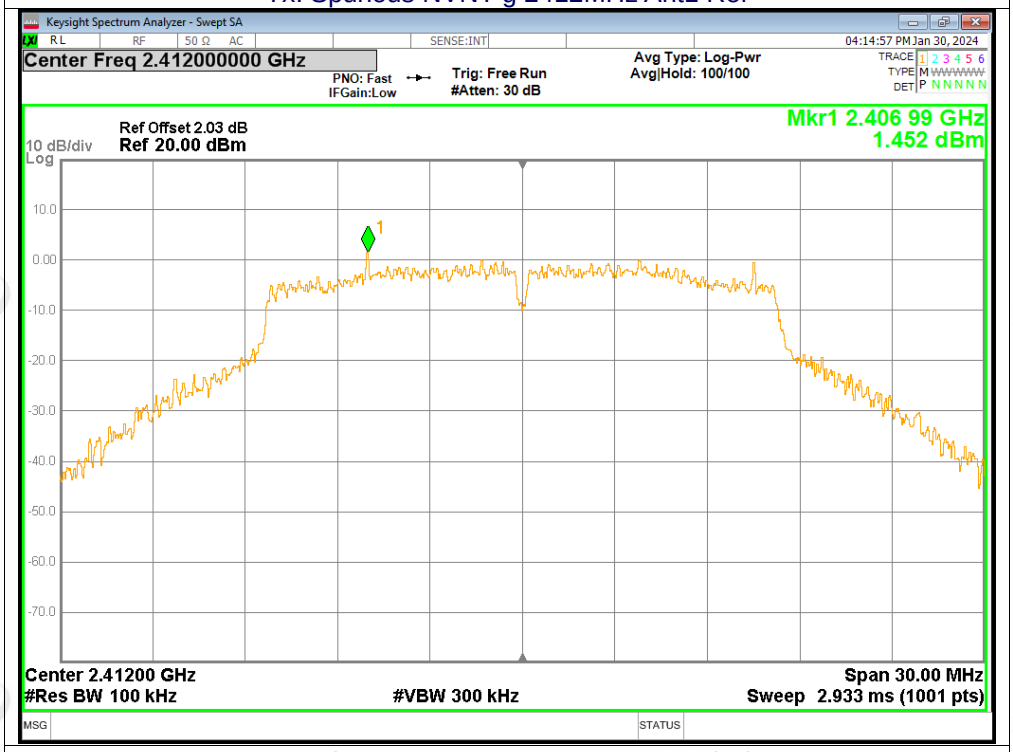
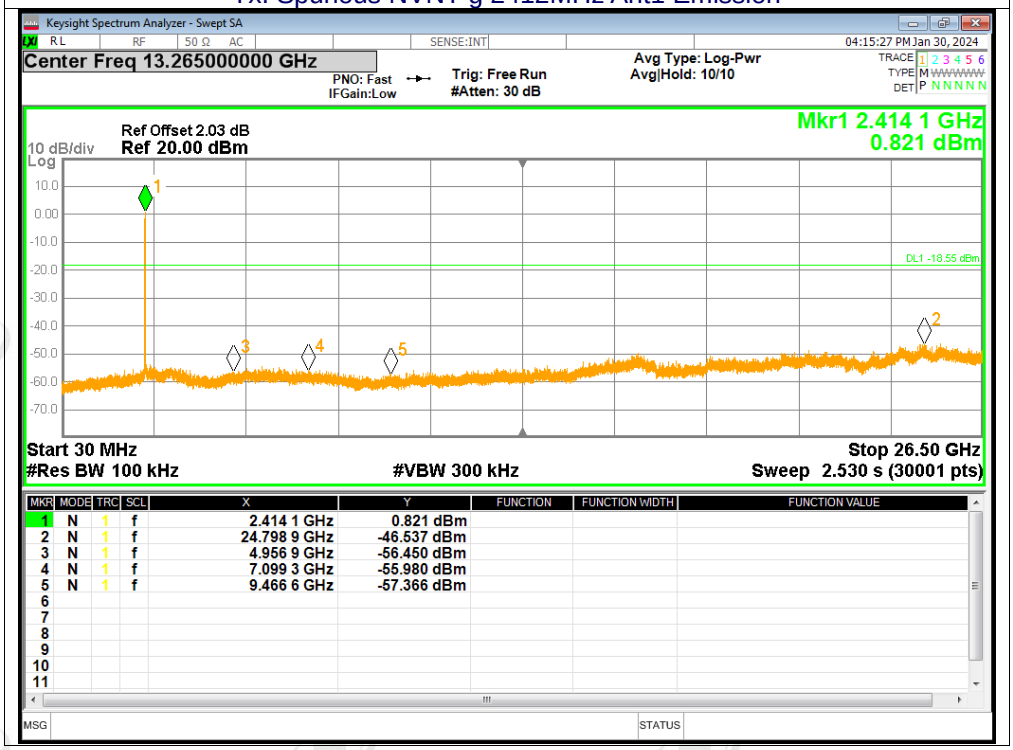
Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 1 GHz	0.821 dBm			
2	N	1	f	24.798 9 GHz	-46.537 dBm			
3	N	1	f	4.956 9 GHz	-56.450 dBm			
4	N	1	f	7.099 3 GHz	-55.980 dBm			
5	N	1	f	9.466 6 GHz	-57.366 dBm			
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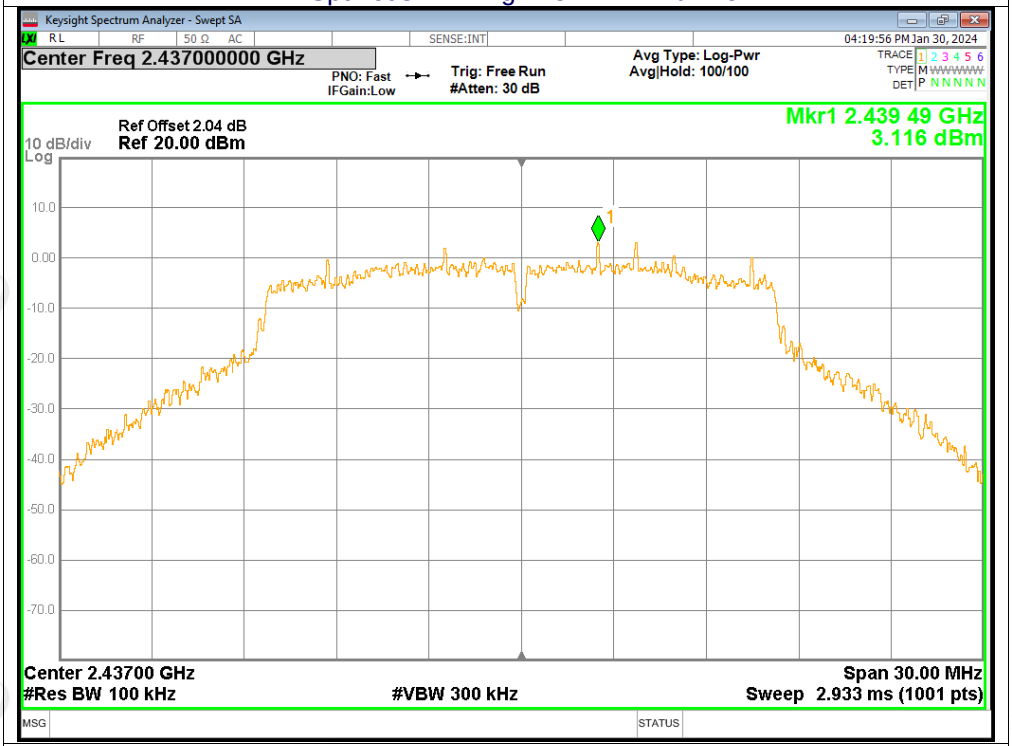
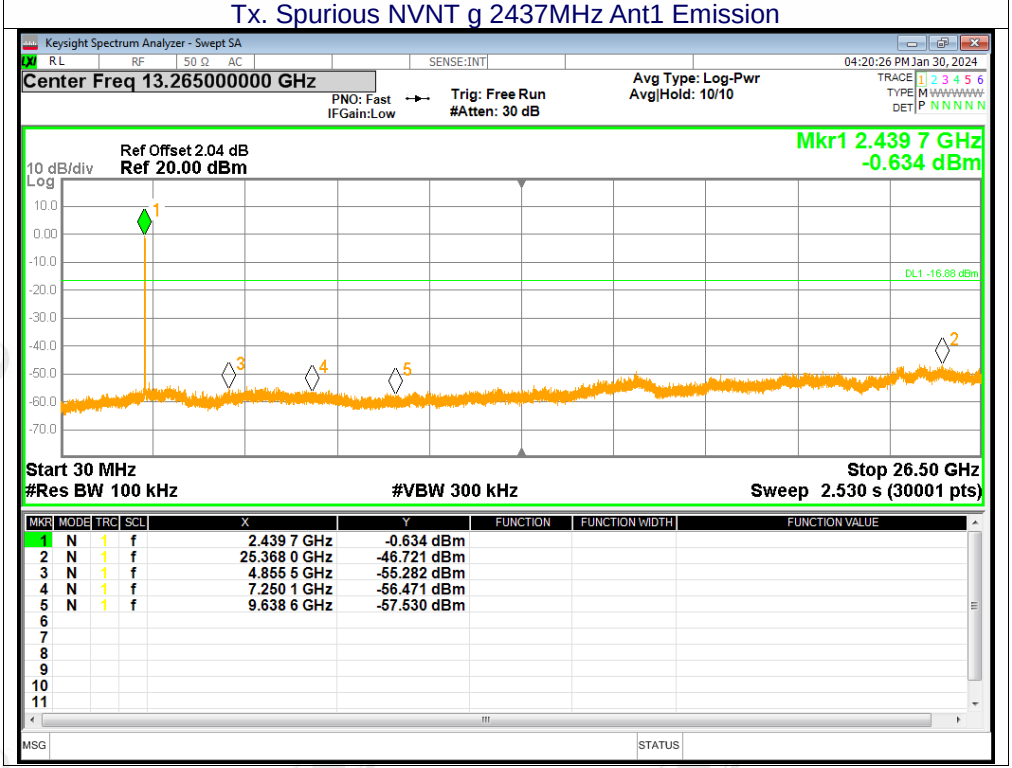
Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 7 GHz	-0.634 dBm			
2	N	1	f	25.368 0 GHz	-46.721 dBm			
3	N	1	f	4.855 5 GHz	-55.282 dBm			
4	N	1	f	7.250 1 GHz	-56.471 dBm			
5	N	1	f	9.638 6 GHz	-57.530 dBm			
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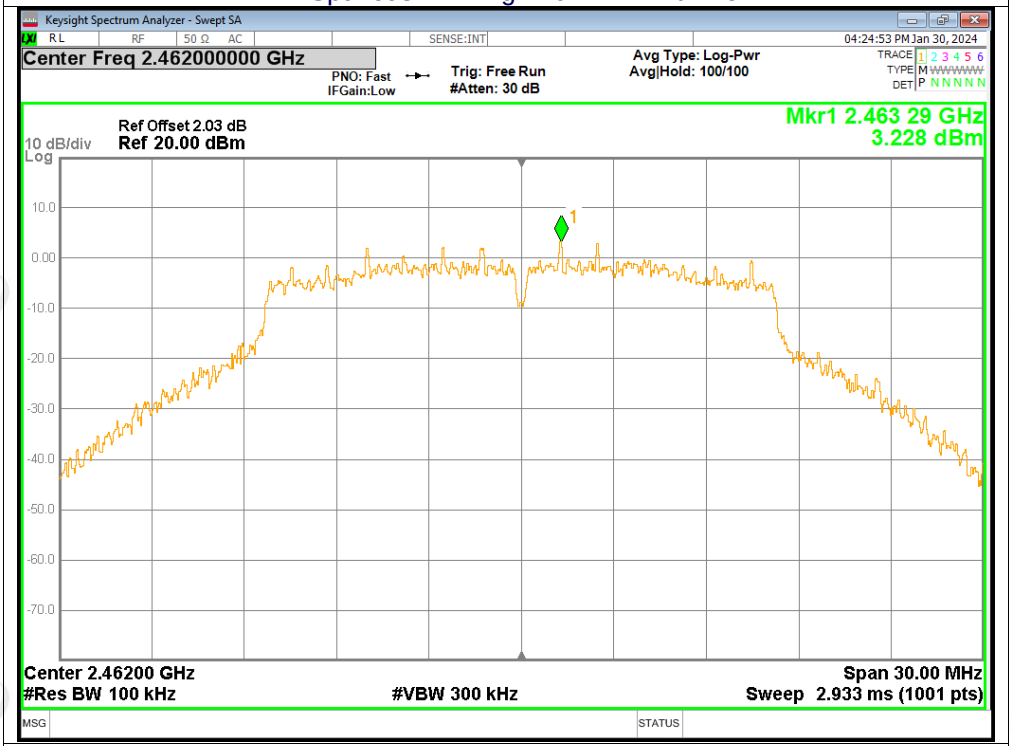
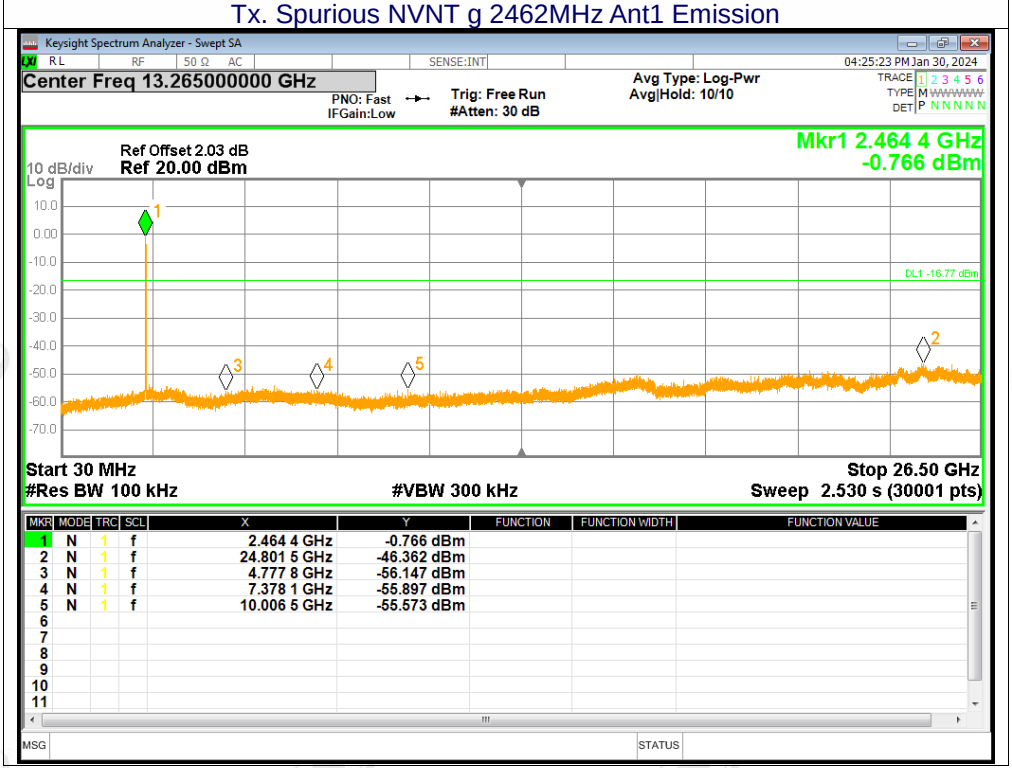
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.464 4 GHz	-0.766 dBm			
2	N	1	f	24.801 5 GHz	-46.362 dBm			
3	N	1	f	4.777 8 GHz	-56.147 dBm			
4	N	1	f	7.378 1 GHz	-55.897 dBm			
5	N	1	f	10.006 5 GHz	-55.573 dBm			
6								
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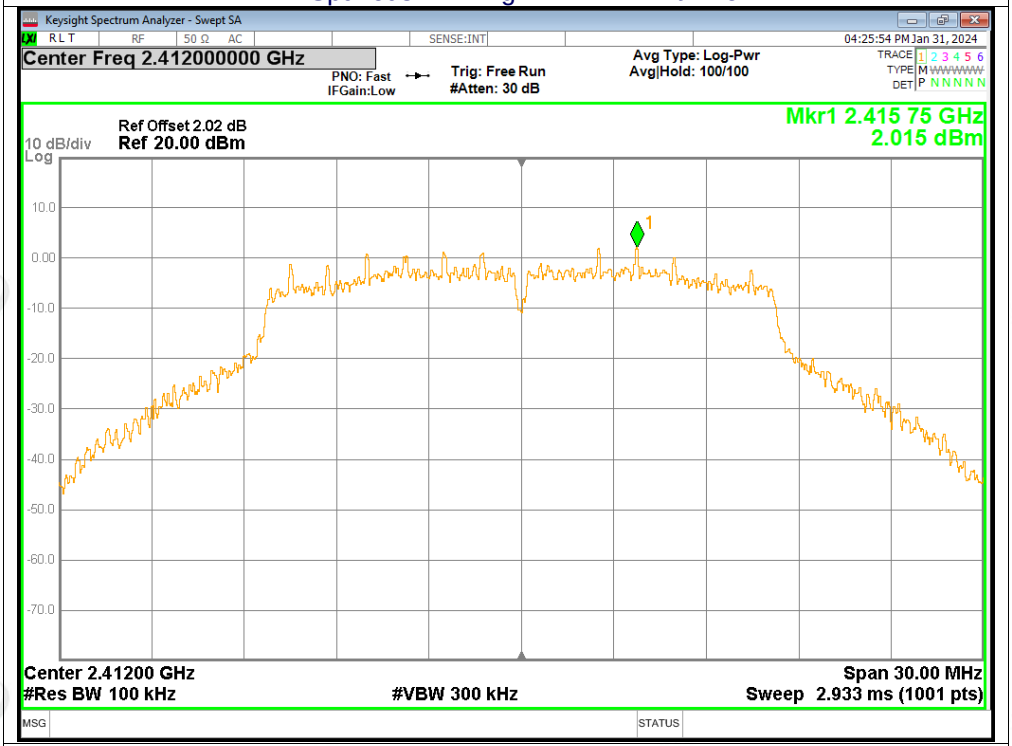
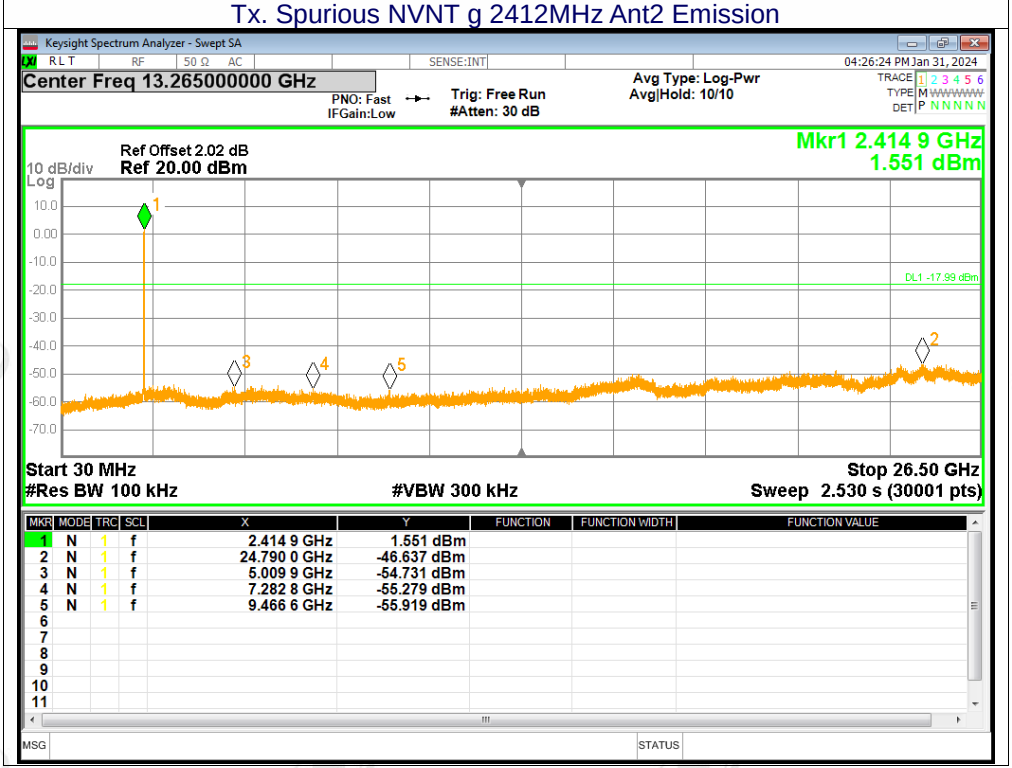
Tx. Spurious NVNT g 2412MHz Ant2 Ref



Tx. Spurious NVNT g 2412MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 9 GHz	1.551 dBm			
2	N	1	f	24.790 0 GHz	-46.637 dBm			
3	N	1	f	5.009 9 GHz	-54.731 dBm			
4	N	1	f	7.282 8 GHz	-55.279 dBm			
5	N	1	f	9.466 6 GHz	-55.919 dBm			
6								
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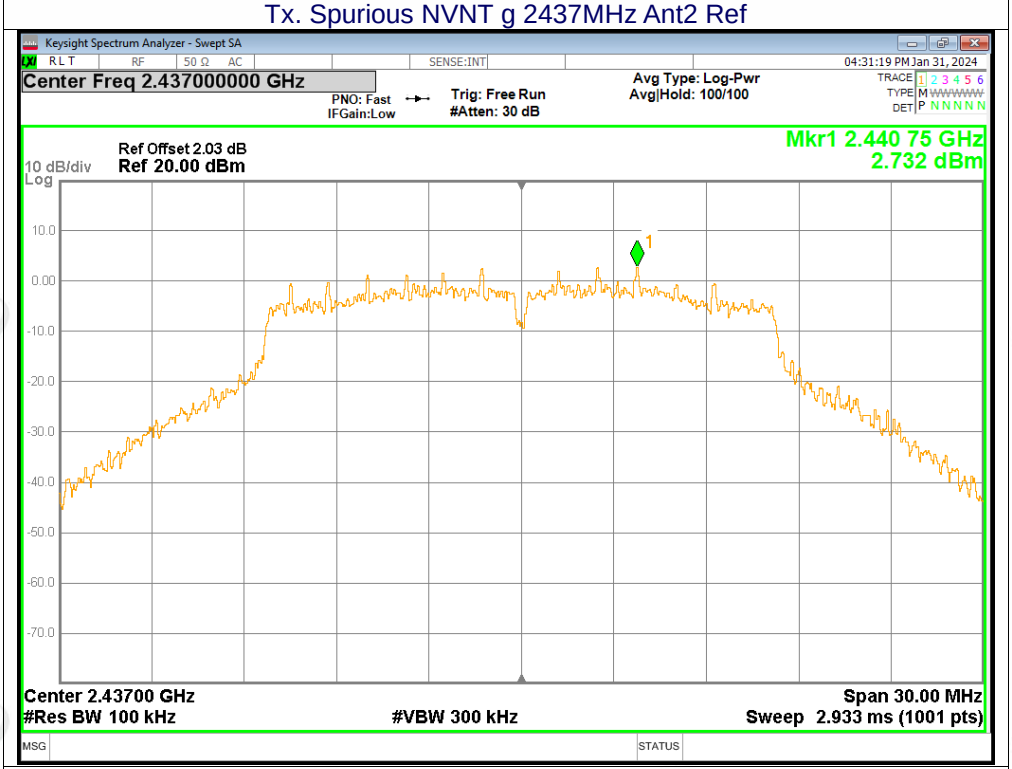
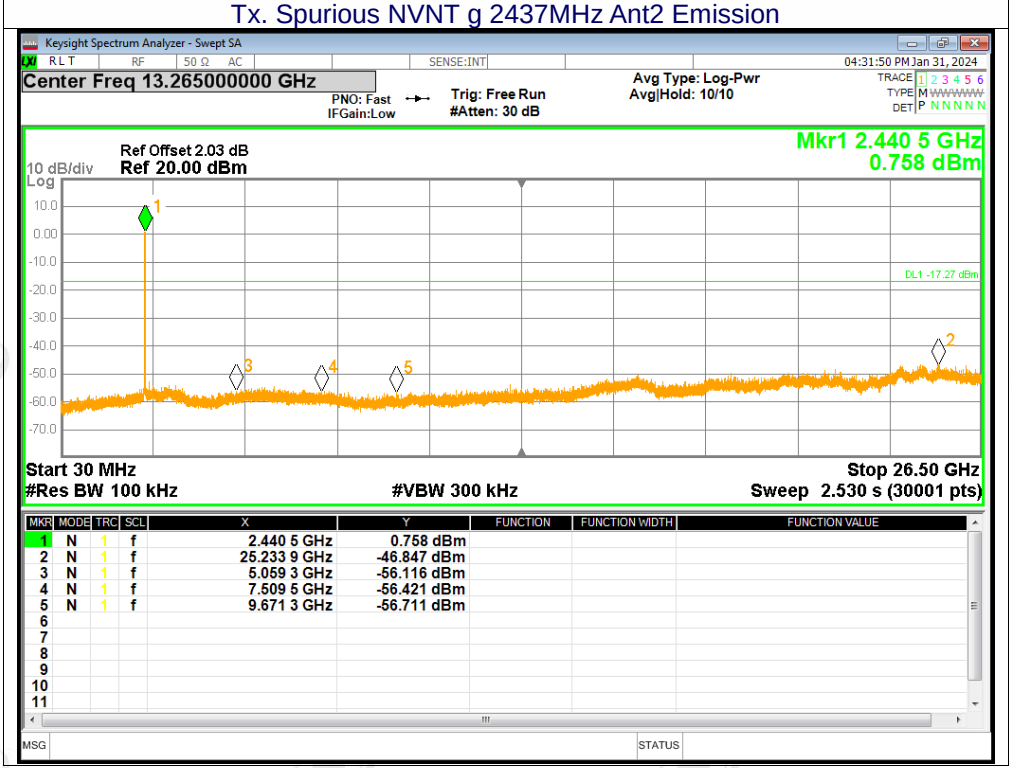
Tx. Spurious NVNT g 2437MHz Ant2 Ref



Tx. Spurious NVNT g 2437MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	0.758 dBm			
2	N	1	f	25.233 9 GHz	-46.847 dBm			
3	N	1	f	5.059 3 GHz	-56.116 dBm			
4	N	1	f	7.509 5 GHz	-56.421 dBm			
5	N	1	f	9.671 3 GHz	-56.711 dBm			
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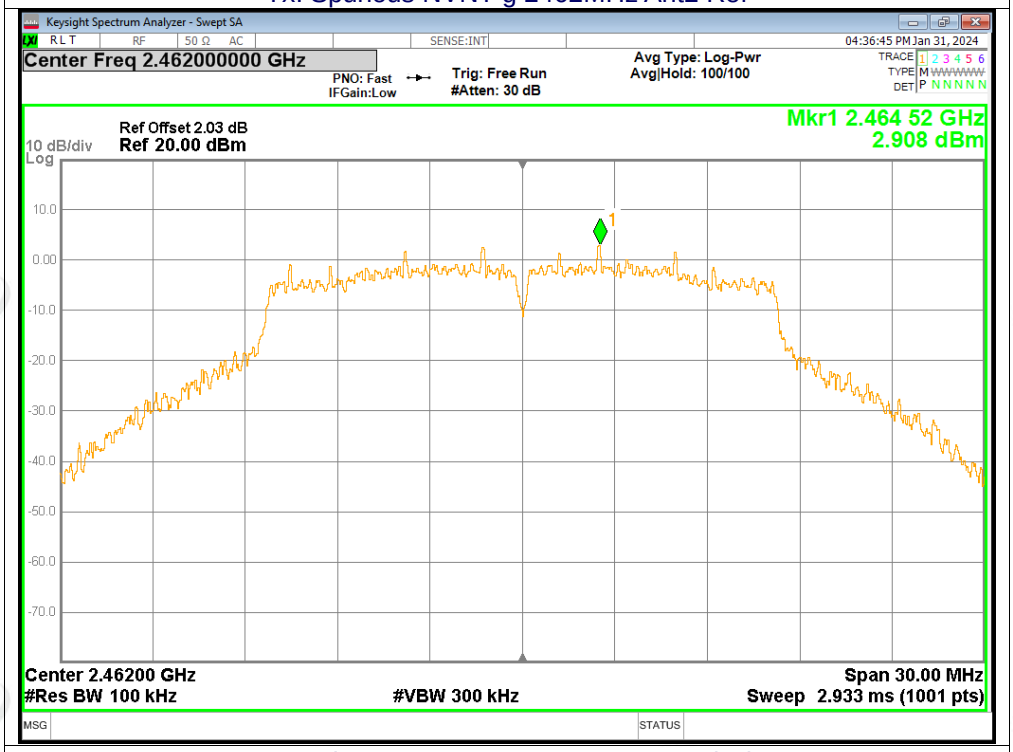
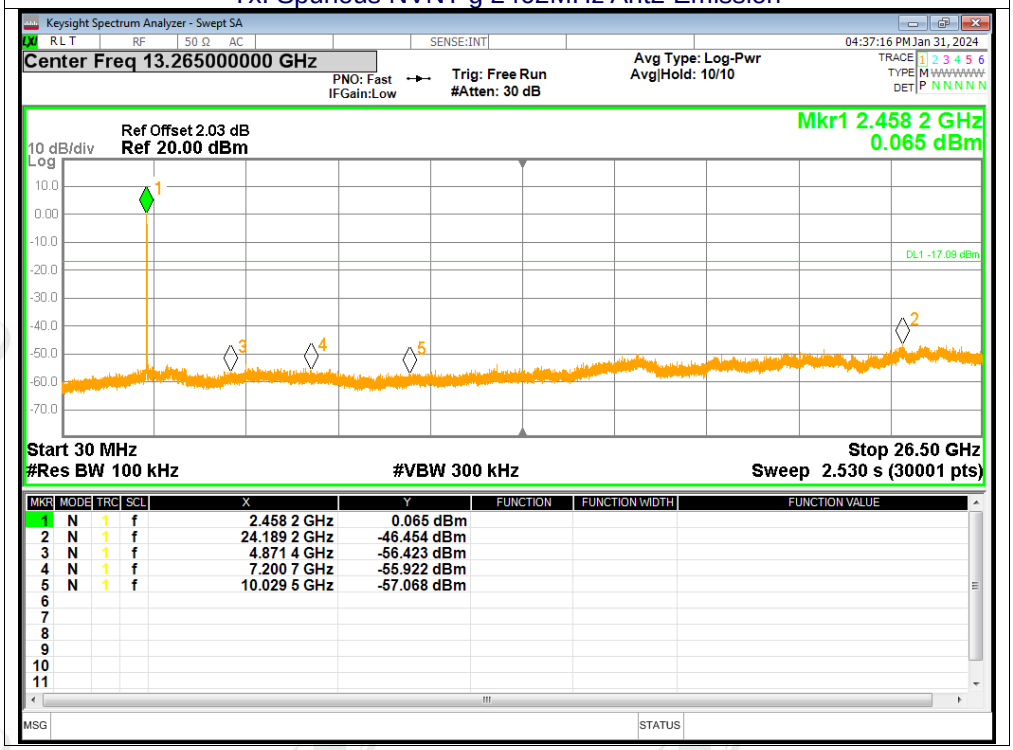
Tx. Spurious NVNT g 2462MHz Ant2 Ref



Tx. Spurious NVNT g 2462MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.458 2 GHz	0.065 dBm			
2	N	1	f	24.189 2 GHz	-46.454 dBm			
3	N	1	f	4.871 4 GHz	-56.423 dBm			
4	N	1	f	7.200 7 GHz	-55.922 dBm			
5	N	1	f	10.029 5 GHz	-57.068 dBm			
6								
7								
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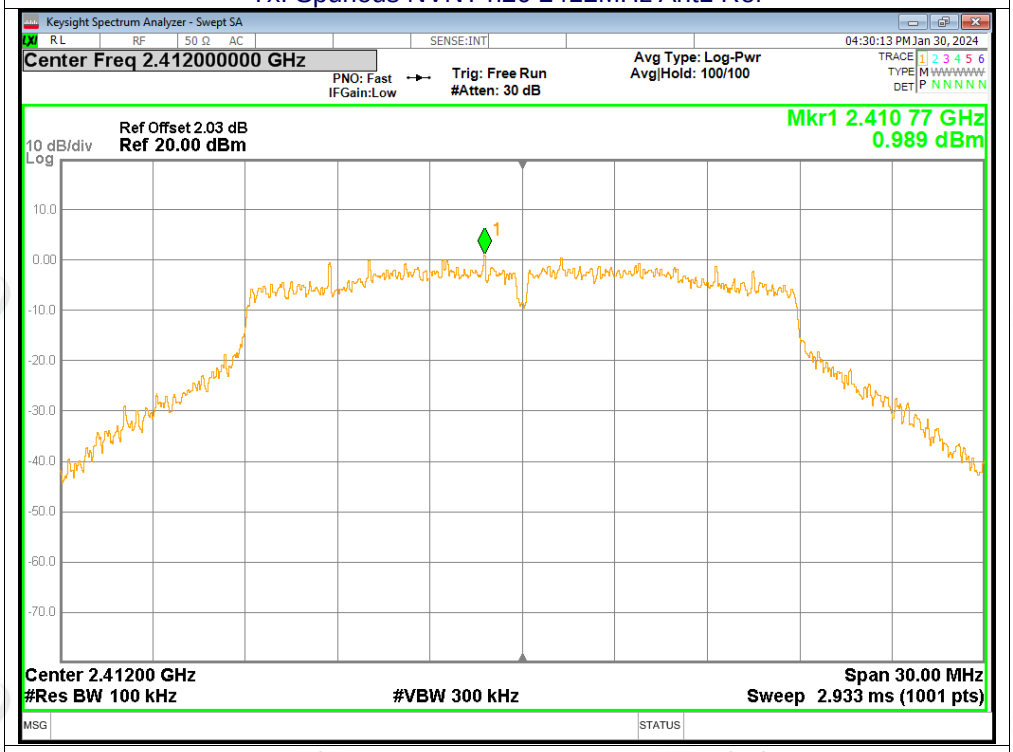
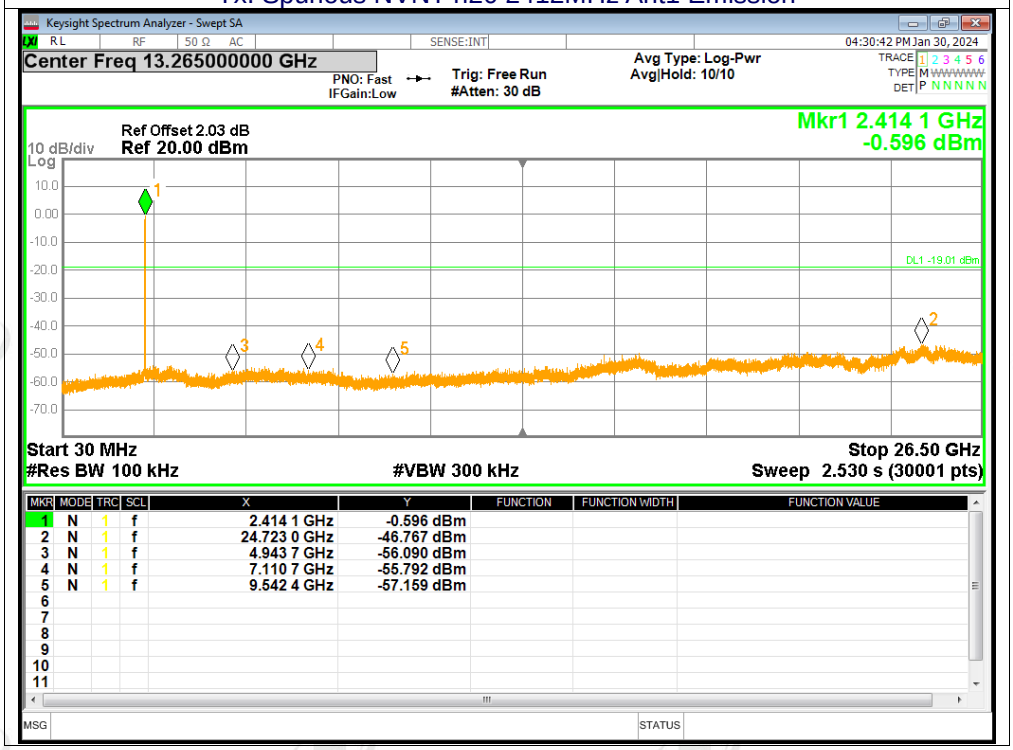
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 1 GHz	-0.596 dBm			
2	N	1	f	24.723 0 GHz	-46.767 dBm			
3	N	1	f	4.943 7 GHz	-56.090 dBm			
4	N	1	f	7.110 7 GHz	-55.792 dBm			
5	N	1	f	9.542 4 GHz	-57.159 dBm			
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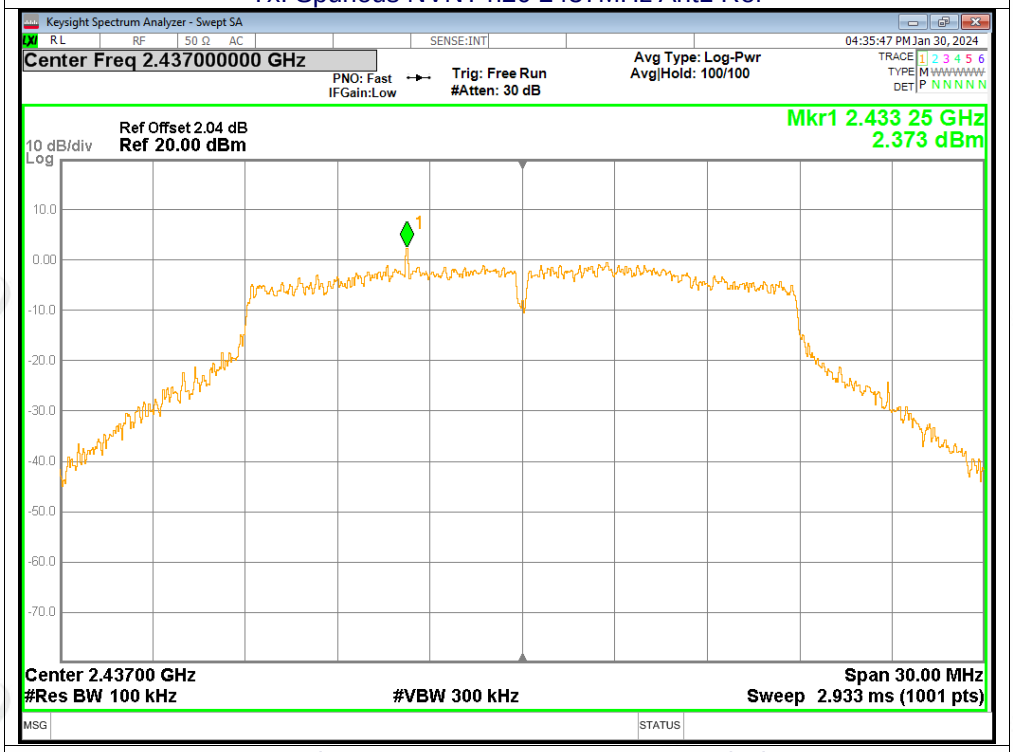
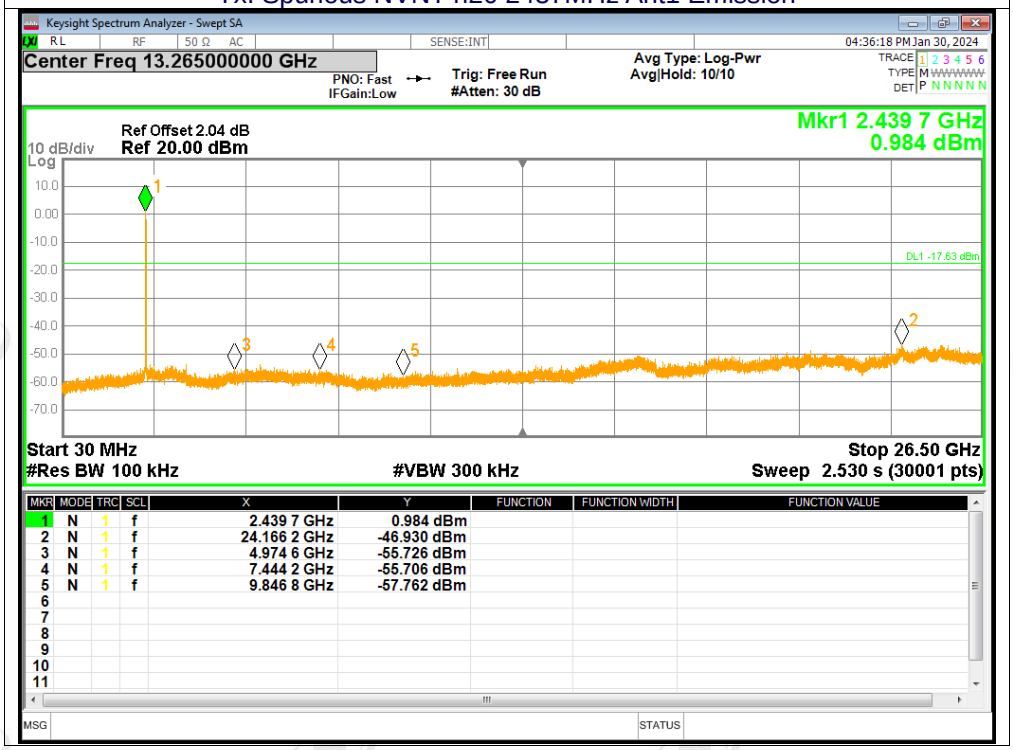
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 7 GHz	0.984 dBm			
2	N	1	f	24.166 2 GHz	-46.930 dBm			
3	N	1	f	4.974 6 GHz	-55.726 dBm			
4	N	1	f	7.444 2 GHz	-55.706 dBm			
5	N	1	f	9.846 8 GHz	-57.762 dBm			
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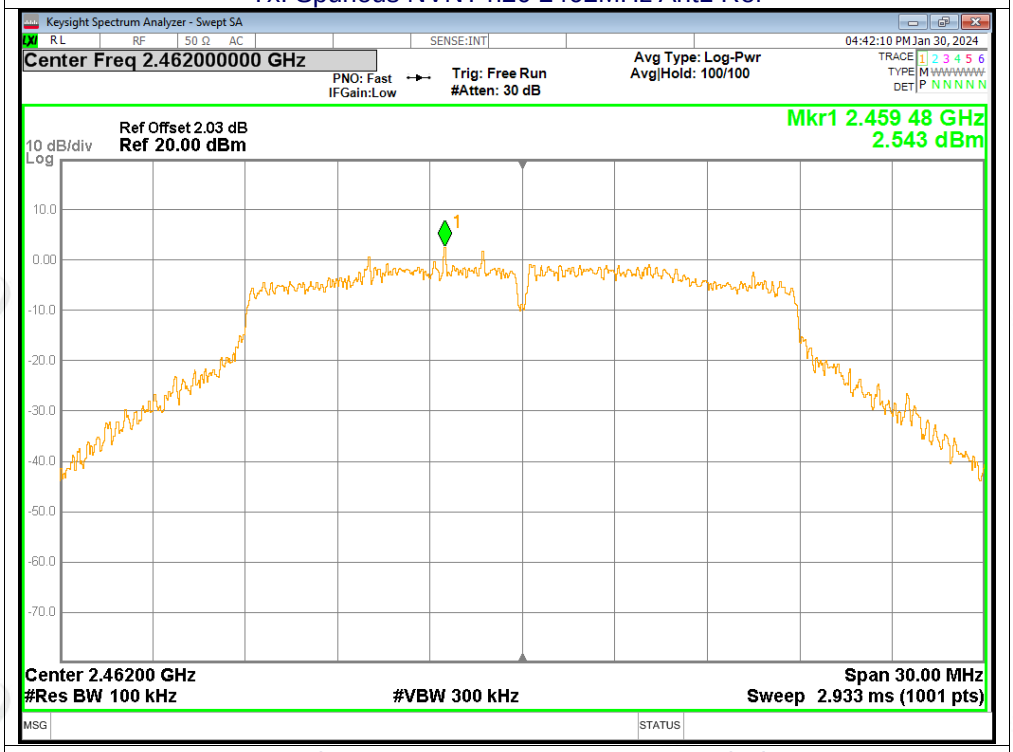
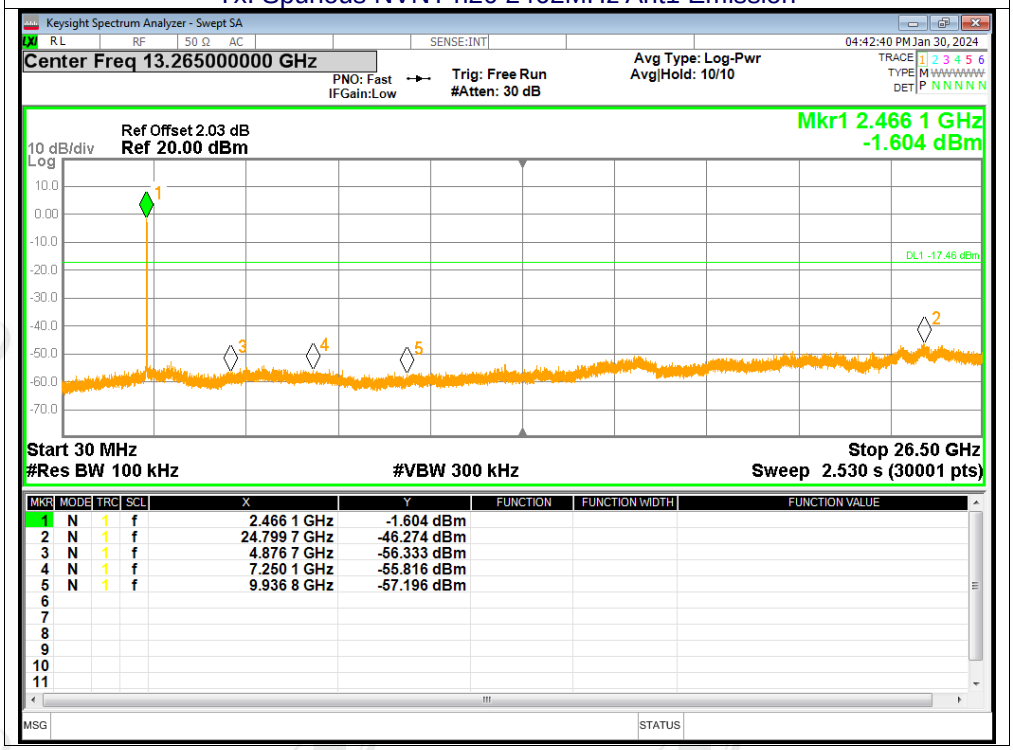
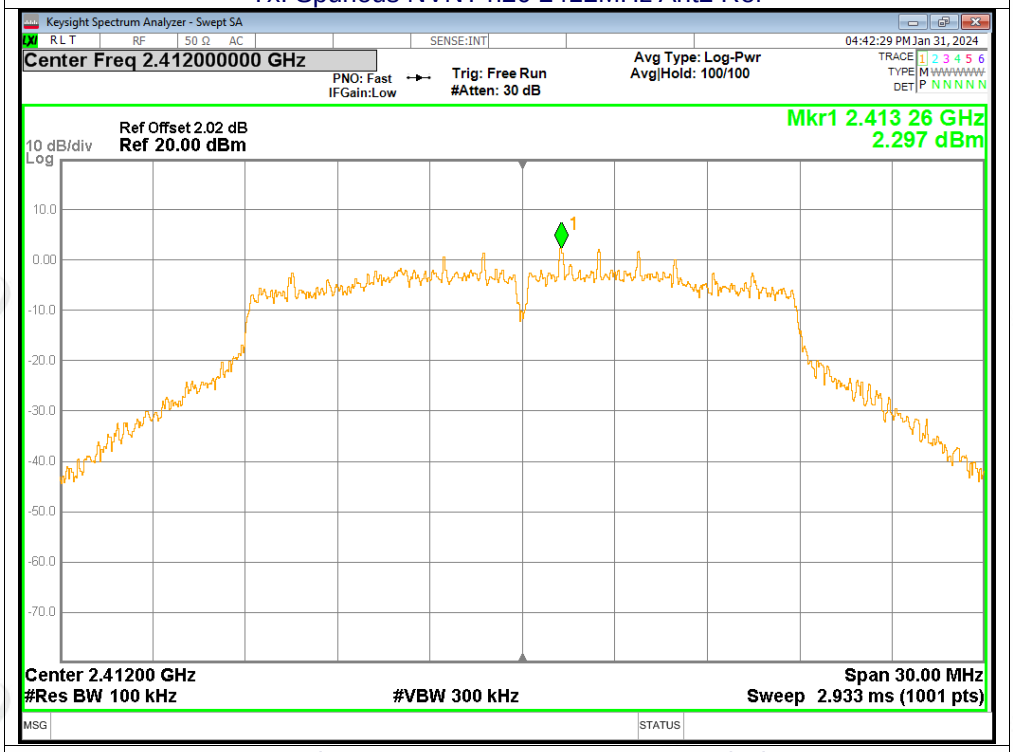
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



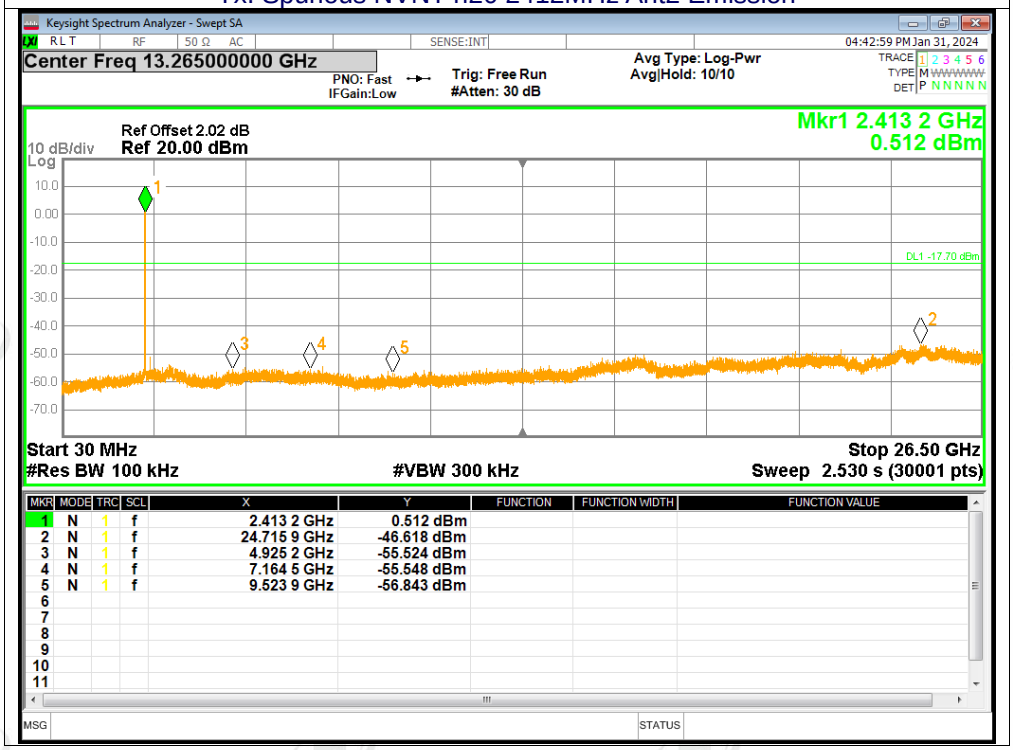
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



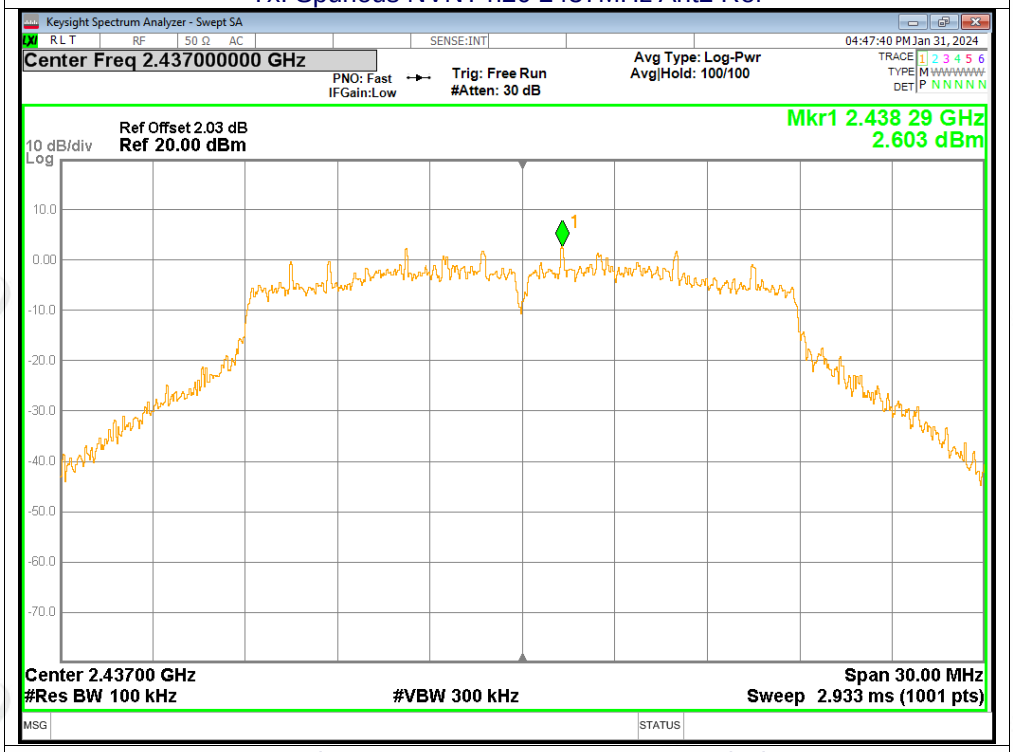
Tx. Spurious NVNT n20 2412MHz Ant2 Ref



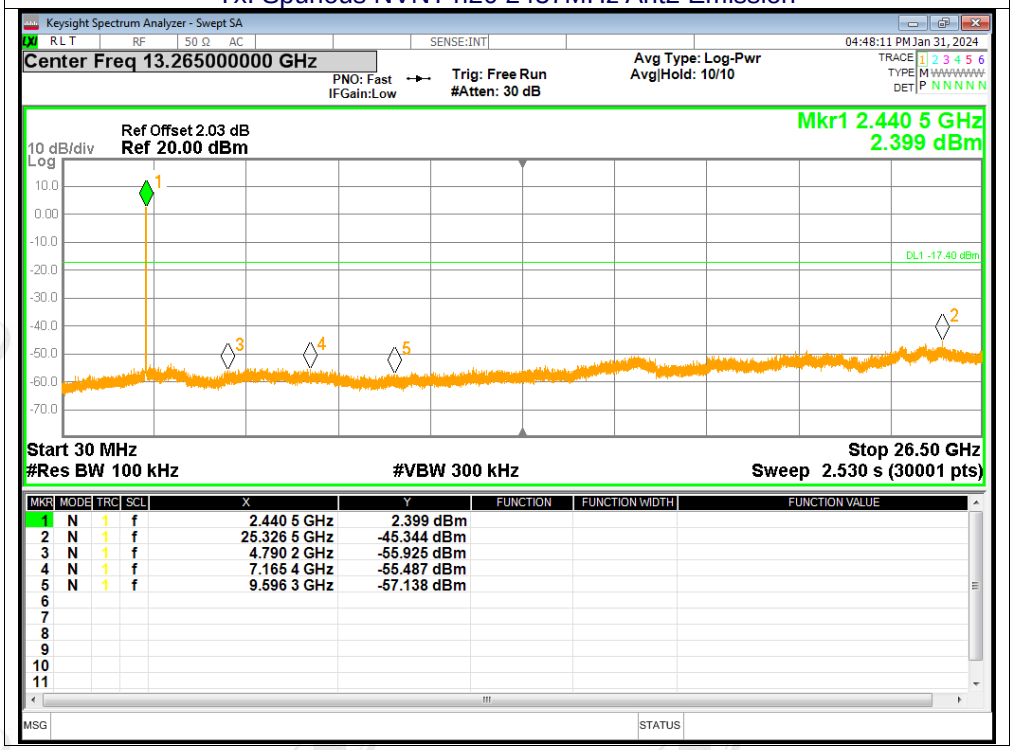
Tx. Spurious NVNT n20 2412MHz Ant2 Emission



Tx. Spurious NVNT n20 2437MHz Ant2 Ref



Tx. Spurious NVNT n20 2437MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	2.399 dBm			
2	N	1	f	25.326 5 GHz	-45.344 dBm			
3	N	1	f	4.790 2 GHz	-55.925 dBm			
4	N	1	f	7.165 4 GHz	-55.487 dBm			
5	N	1	f	9.596 3 GHz	-57.138 dBm			
6								
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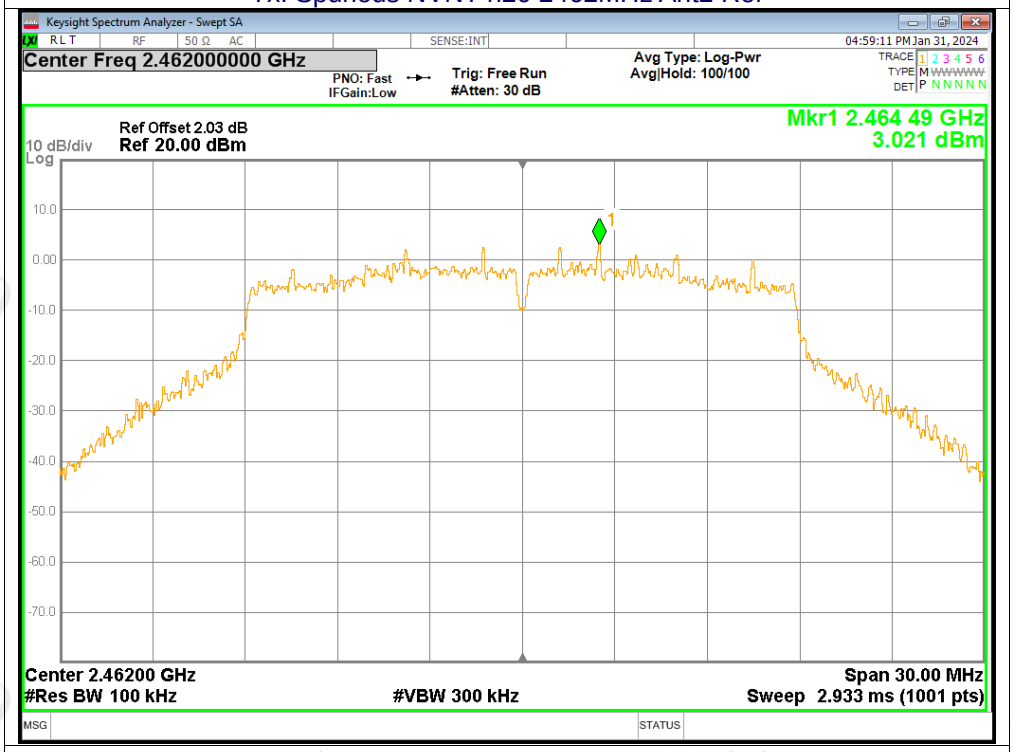
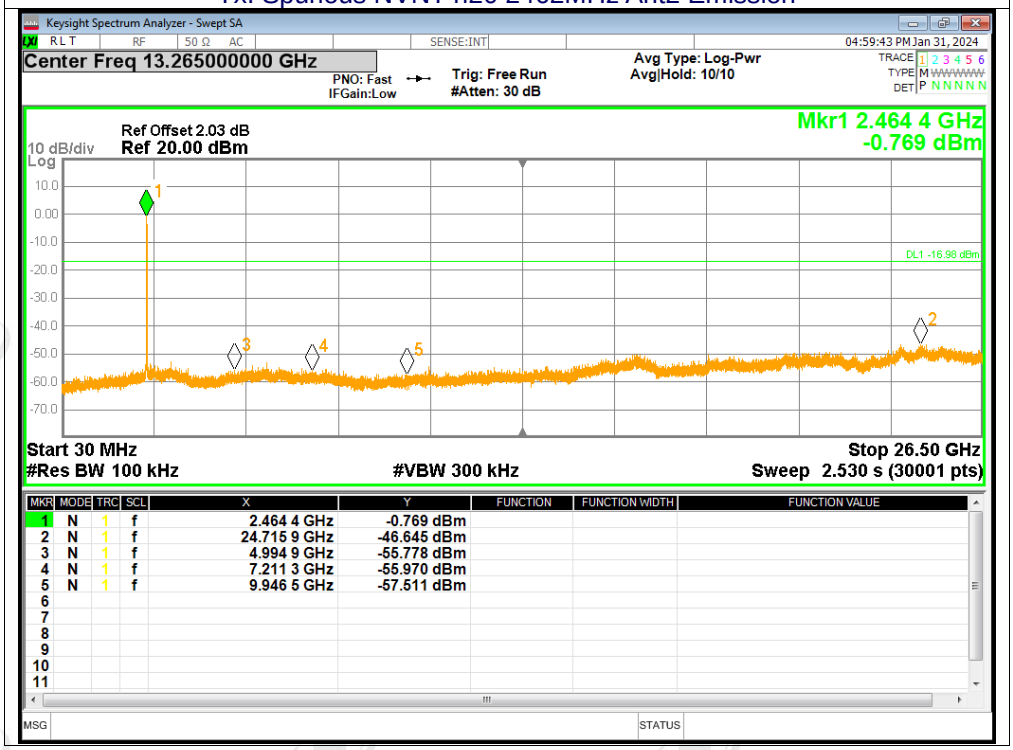
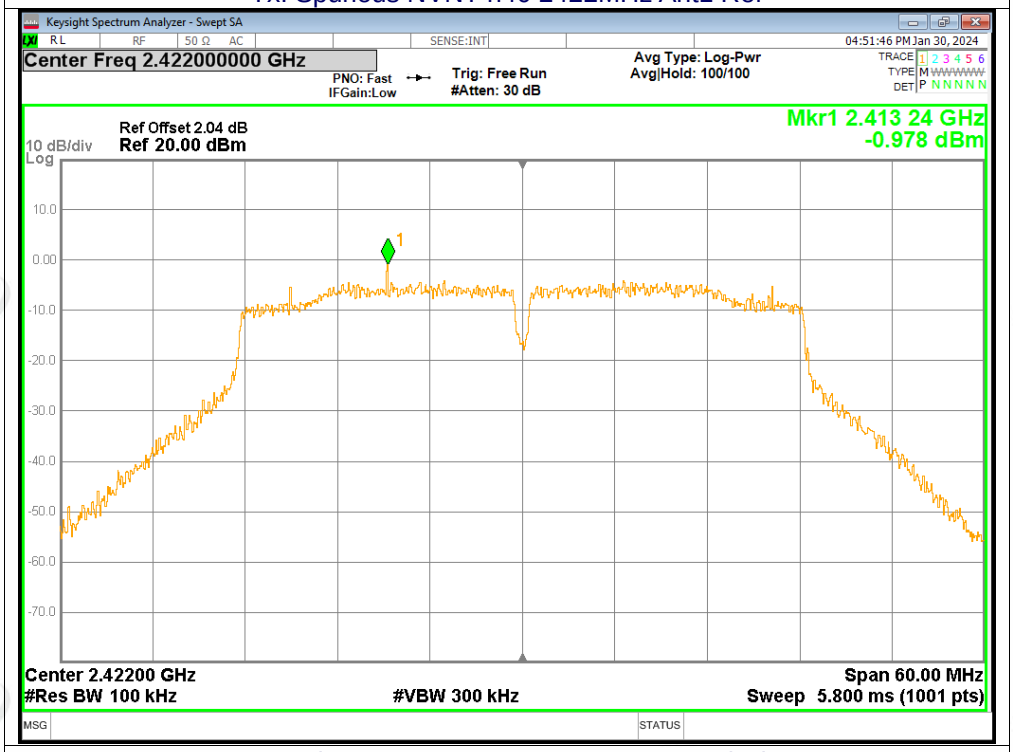
Tx. Spurious NVNT n20 2462MHz Ant2 Ref



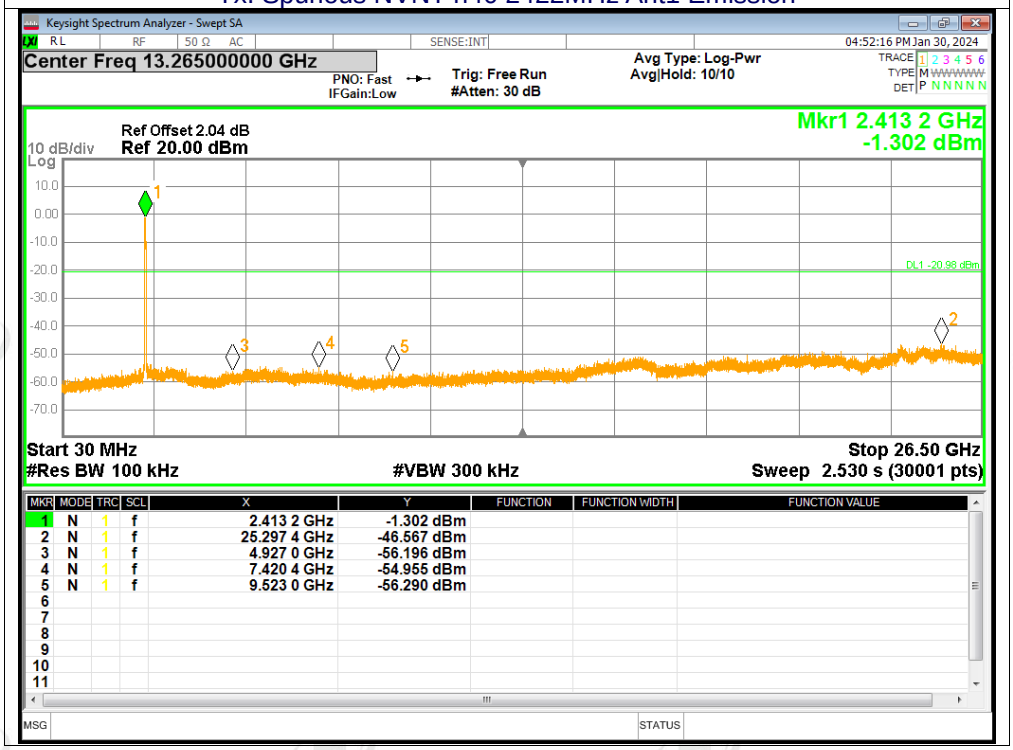
Tx. Spurious NVNT n20 2462MHz Ant2 Emission



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	2.413 2 GHz	-1.302 dBm			
2	N	1	f	25.297 4 GHz	-46.567 dBm			
3	N	1	f	4.927 0 GHz	-56.196 dBm			
4	N	1	f	7.420 4 GHz	-54.955 dBm			
5	N	1	f	9.523 0 GHz	-56.290 dBm			
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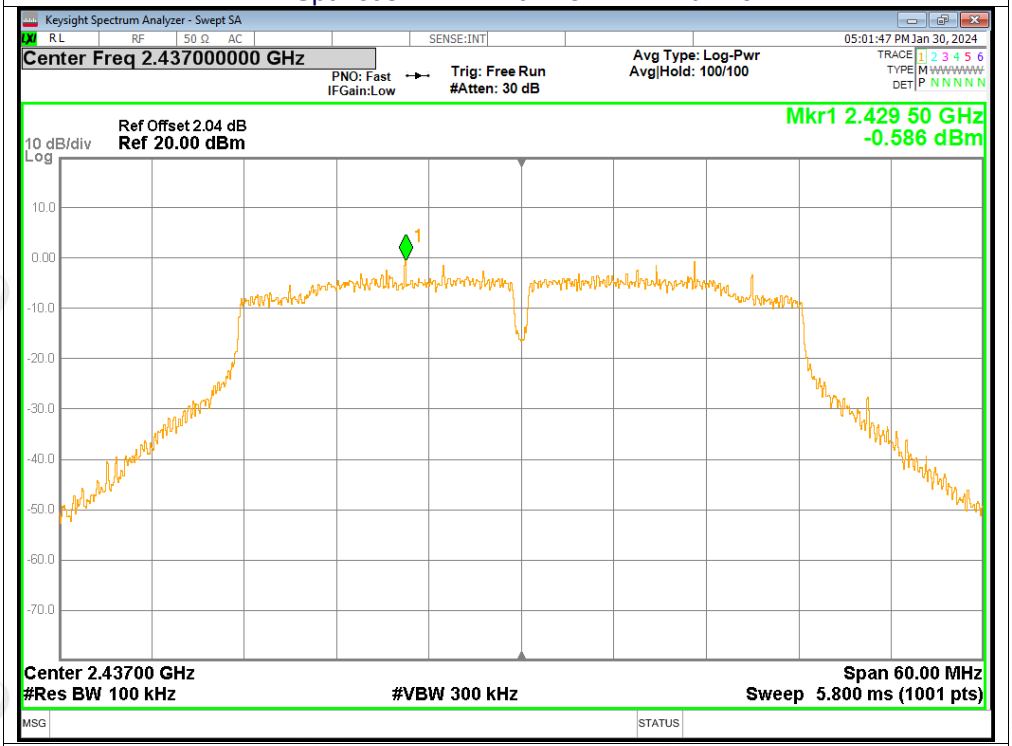
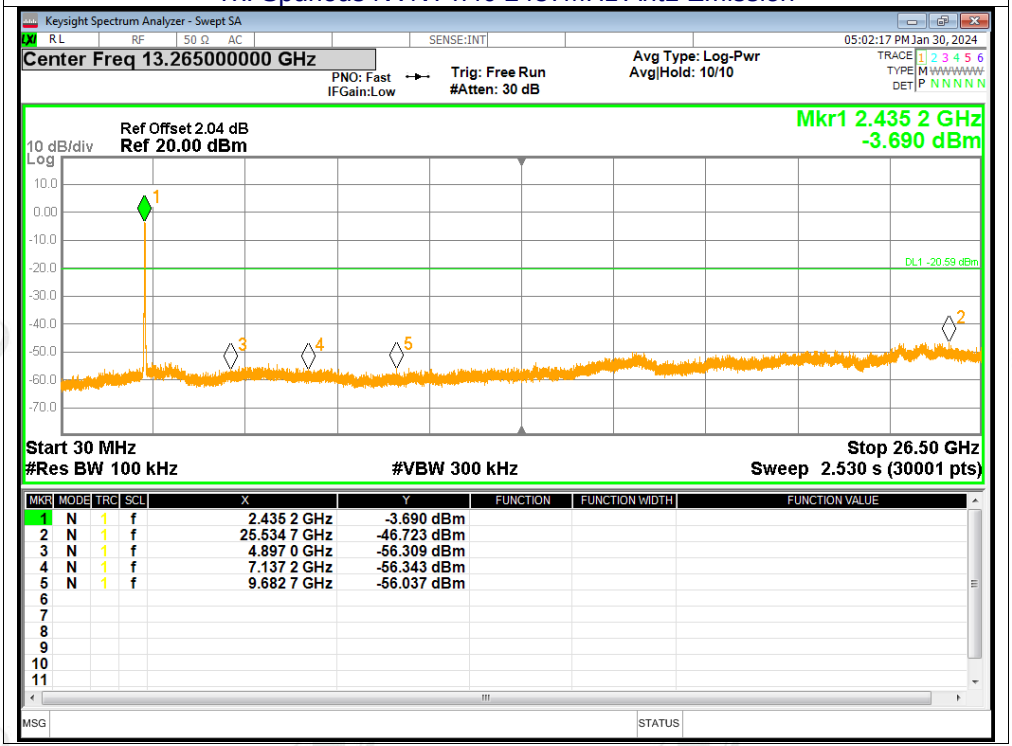
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.435 2 GHz	-3.690 dBm			
2	N	1	f	25.534 7 GHz	-46.723 dBm			
3	N	1	f	4.897 0 GHz	-56.309 dBm			
4	N	1	f	7.137 2 GHz	-56.343 dBm			
5	N	1	f	9.682 7 GHz	-56.037 dBm			
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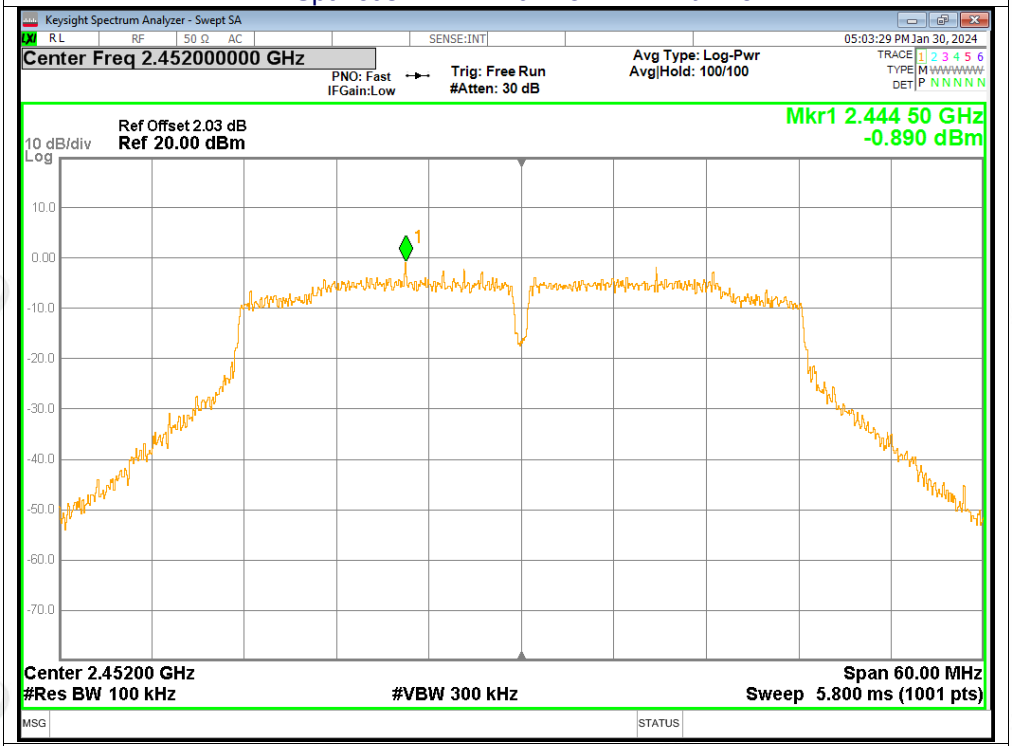
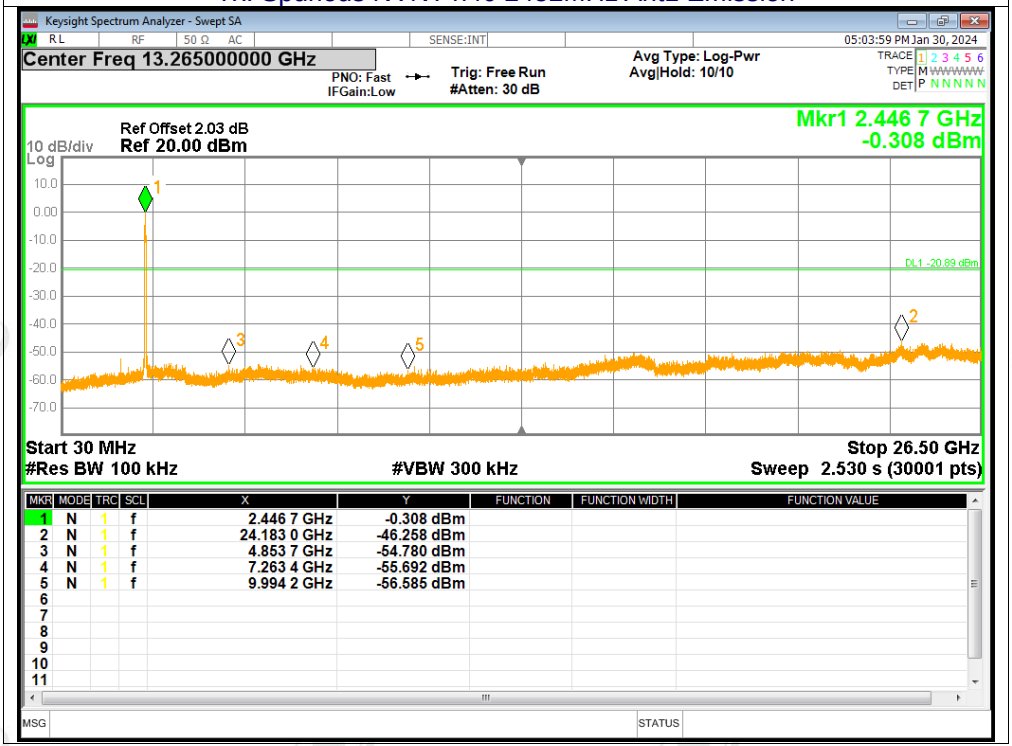
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.446 7 GHz	-0.308 dBm			
2	N	1	f	24.183 0 GHz	-46.258 dBm			
3	N	1	f	4.853 7 GHz	-54.780 dBm			
4	N	1	f	7.263 4 GHz	-55.692 dBm			
5	N	1	f	9.994 2 GHz	-56.585 dBm			
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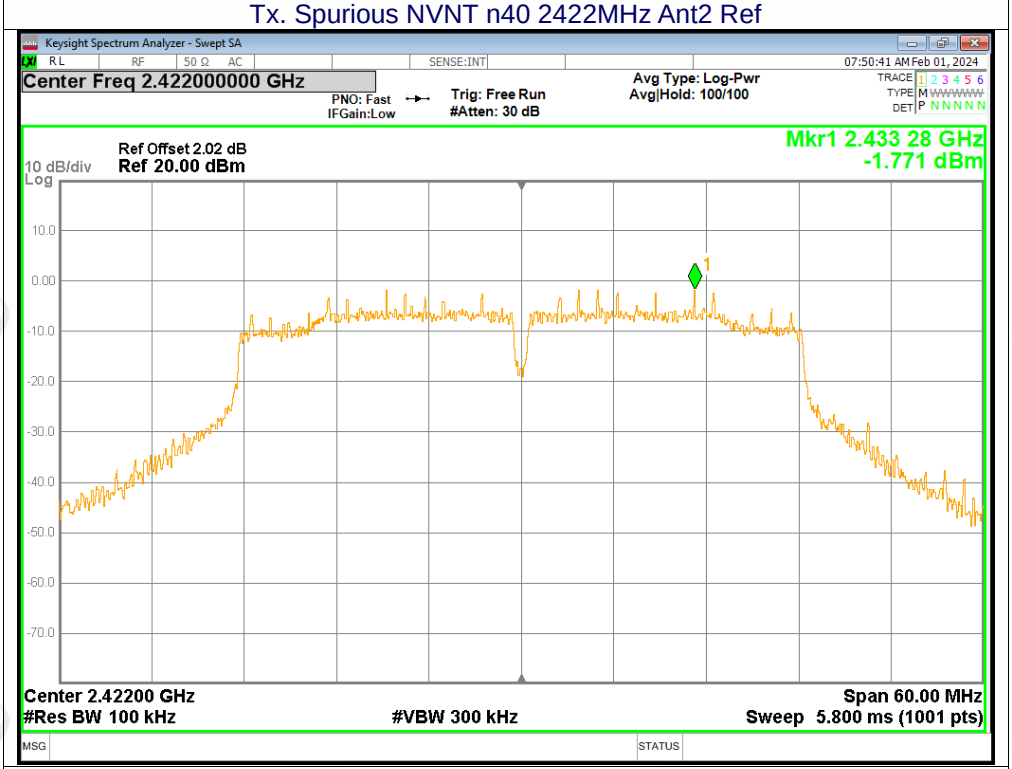
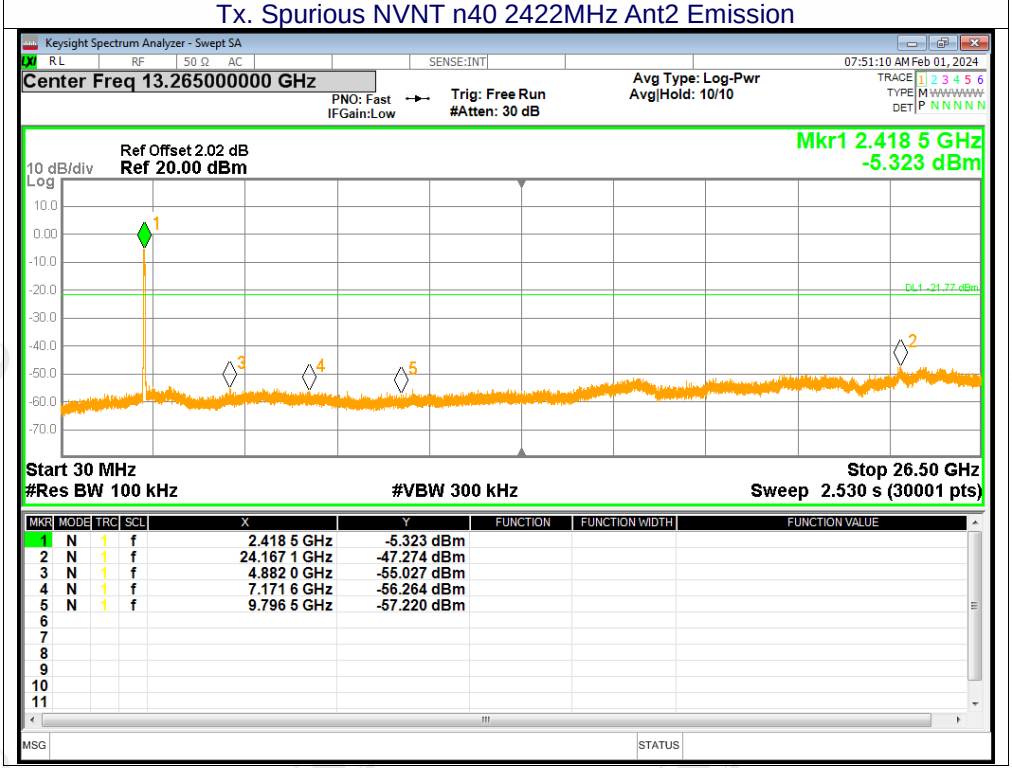
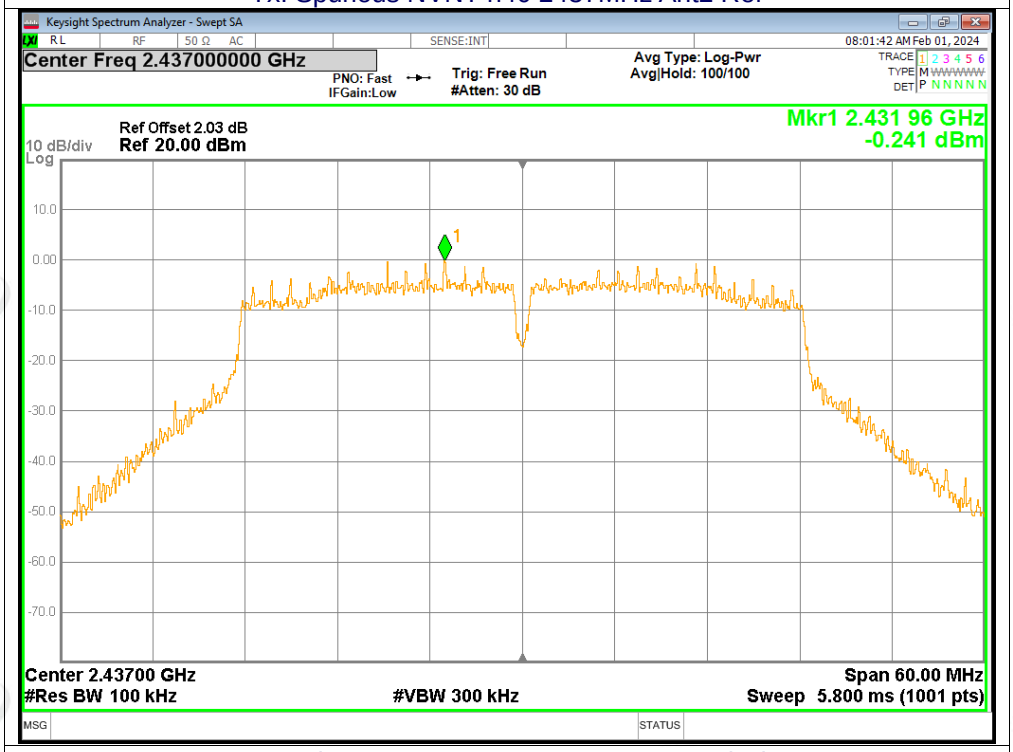
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



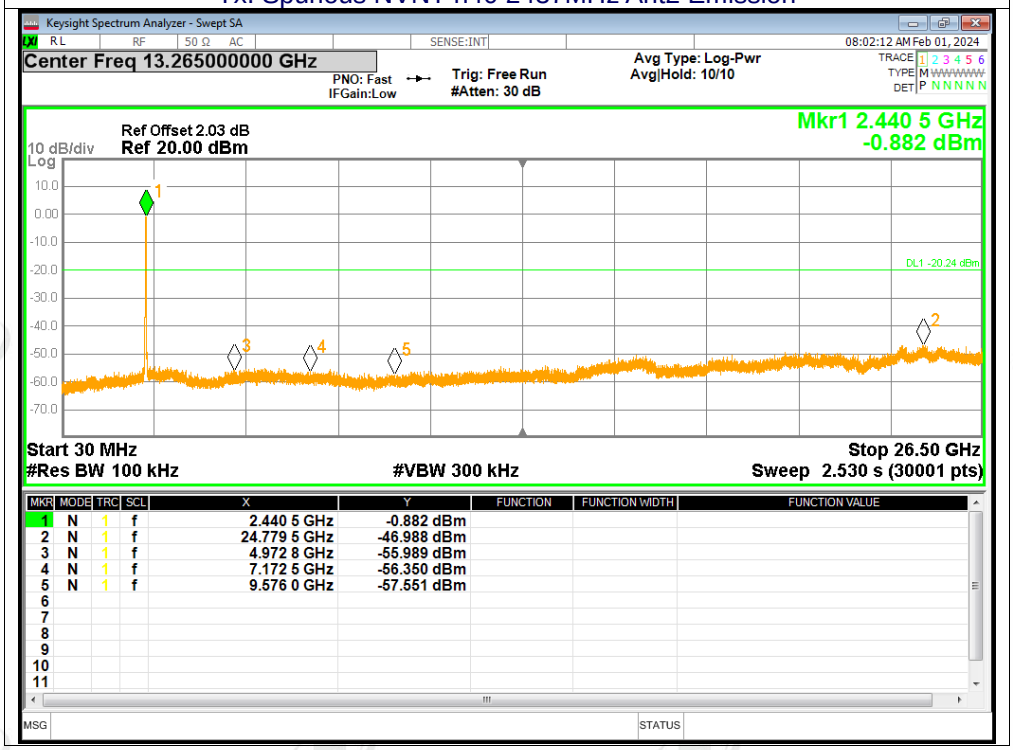
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



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	-0.882 dBm			
2	N	1	f	24.779 5 GHz	-46.988 dBm			
3	N	1	f	4.972 8 GHz	-55.989 dBm			
4	N	1	f	7.172 5 GHz	-56.350 dBm			
5	N	1	f	9.576 0 GHz	-57.551 dBm			
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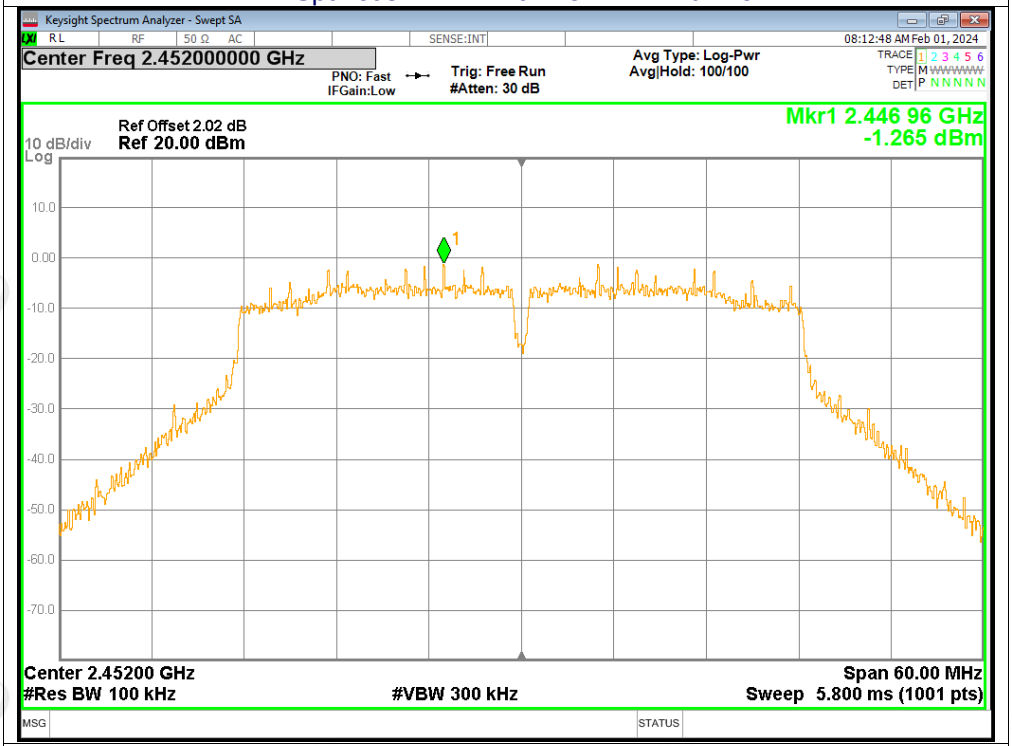
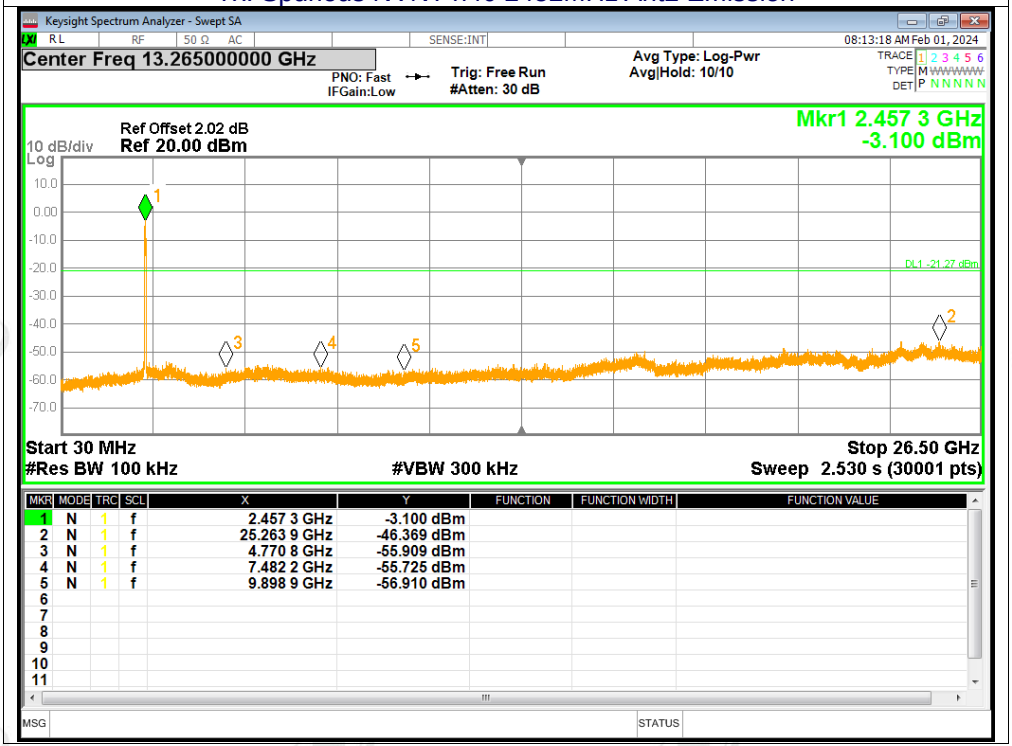
Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.457 3 GHz	-3.100 dBm			
2	N	1	f	25.263 9 GHz	-46.369 dBm			
3	N	1	f	4.770 8 GHz	-55.909 dBm			
4	N	1	f	7.482 2 GHz	-55.725 dBm			
5	N	1	f	9.898 9 GHz	-56.910 dBm			
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11. TEST SETUP PHOTO

Reference to the appendix I for details.

12. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ END OF REPORT ※※※※※