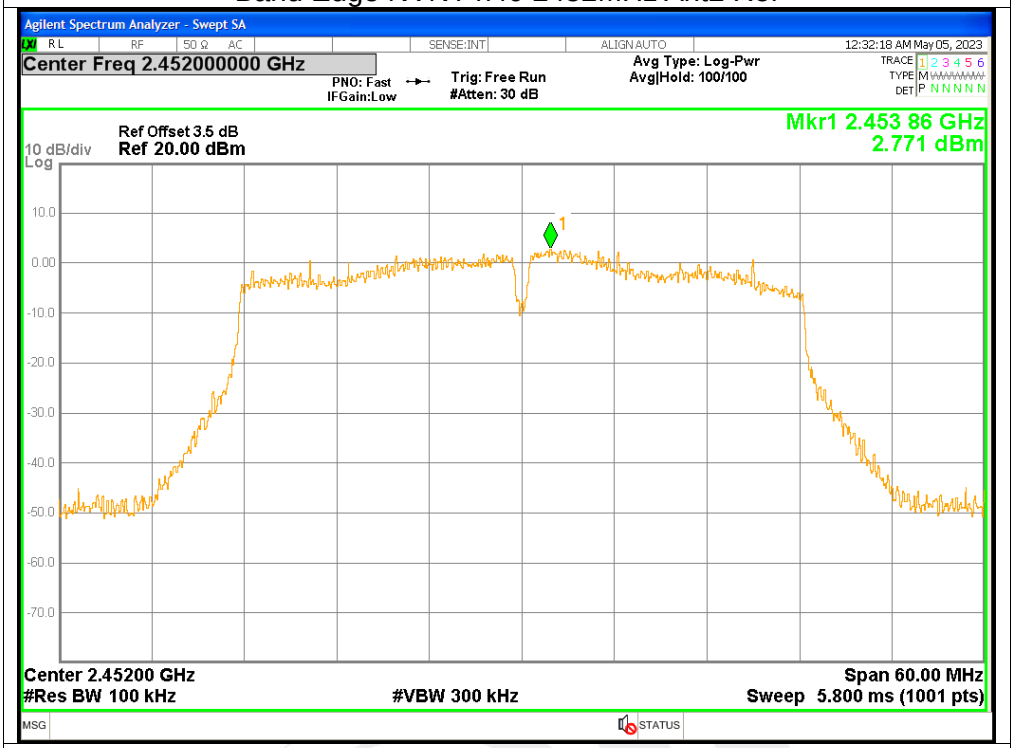
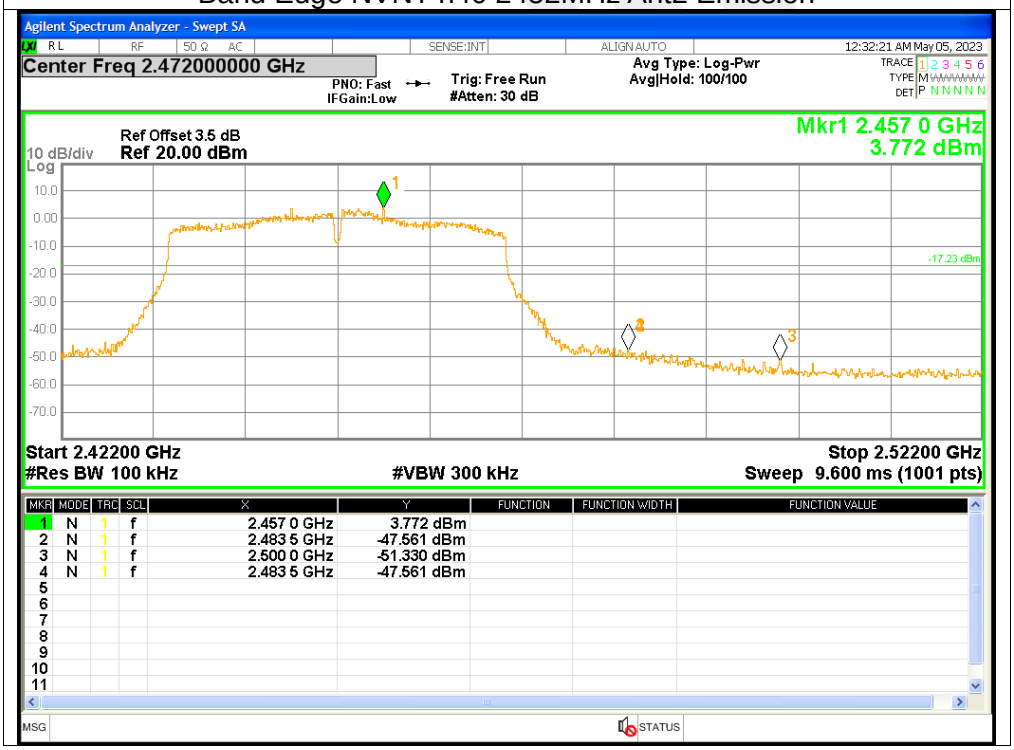
Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

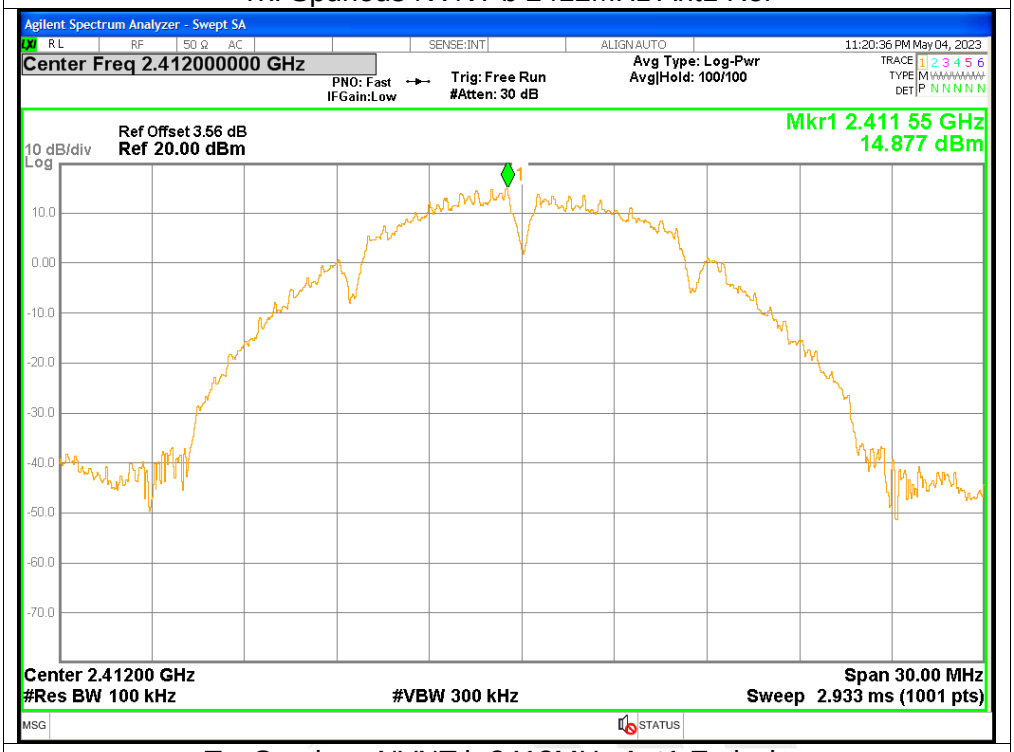


7. Conducted RF Spurious Emission

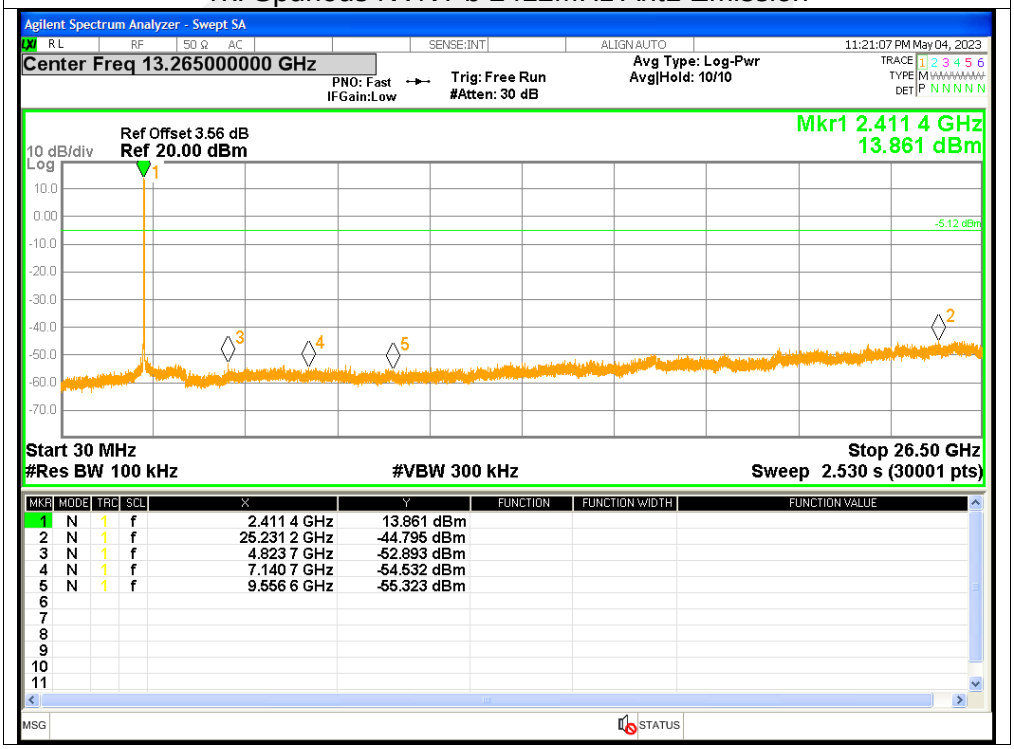
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-59.67	<=-20	Pass
NVNT	b	2437	Ant1	-60.36	<=-20	Pass
NVNT	b	2462	Ant1	-60.52	<=-20	Pass
NVNT	b	2412	Ant2	-59.9	<=-20	Pass
NVNT	b	2437	Ant2	-60.84	<=-20	Pass
NVNT	b	2462	Ant2	-59.24	<=-20	Pass
NVNT	g	2412	Ant1	-53.75	<=-20	Pass
NVNT	g	2437	Ant1	-55.08	<=-20	Pass
NVNT	g	2462	Ant1	-54.92	<=-20	Pass
NVNT	g	2412	Ant2	-53.37	<=-20	Pass
NVNT	g	2437	Ant2	-53.79	<=-20	Pass
NVNT	g	2462	Ant2	-55.68	<=-20	Pass
NVNT	ax20	2412	Ant1	-50.14	<=-20	Pass
NVNT	ax20	2412	Ant2	-48.46	<=-20	Pass
NVNT	ax20	2437	Ant1	-50.95	<=-20	Pass
NVNT	ax20	2437	Ant2	-46.78	<=-20	Pass
NVNT	ax20	2462	Ant1	-50.33	<=-20	Pass
NVNT	ax20	2462	Ant2	-48.53	<=-20	Pass
NVNT	ax40	2422	Ant1	-48.29	<=-20	Pass
NVNT	ax40	2422	Ant2	-44.64	<=-20	Pass
NVNT	ax40	2437	Ant1	-49.49	<=-20	Pass
NVNT	ax40	2437	Ant2	-44.45	<=-20	Pass
NVNT	ax40	2452	Ant1	-46.74	<=-20	Pass
NVNT	ax40	2452	Ant2	-44.91	<=-20	Pass
NVNT	n20	2412	Ant1	-51	<=-20	Pass
NVNT	n20	2412	Ant2	-48.62	<=-20	Pass
NVNT	n20	2437	Ant1	-50.89	<=-20	Pass
NVNT	n20	2437	Ant2	-52.13	<=-20	Pass
NVNT	n20	2462	Ant1	-53.8	<=-20	Pass
NVNT	n20	2462	Ant2	-50.32	<=-20	Pass
NVNT	n40	2422	Ant1	-45.76	<=-20	Pass
NVNT	n40	2422	Ant2	-46	<=-20	Pass
NVNT	n40	2437	Ant1	-47.32	<=-20	Pass
NVNT	n40	2437	Ant2	-39.95	<=-20	Pass
NVNT	n40	2452	Ant1	-47	<=-20	Pass
NVNT	n40	2452	Ant2	-43.44	<=-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref

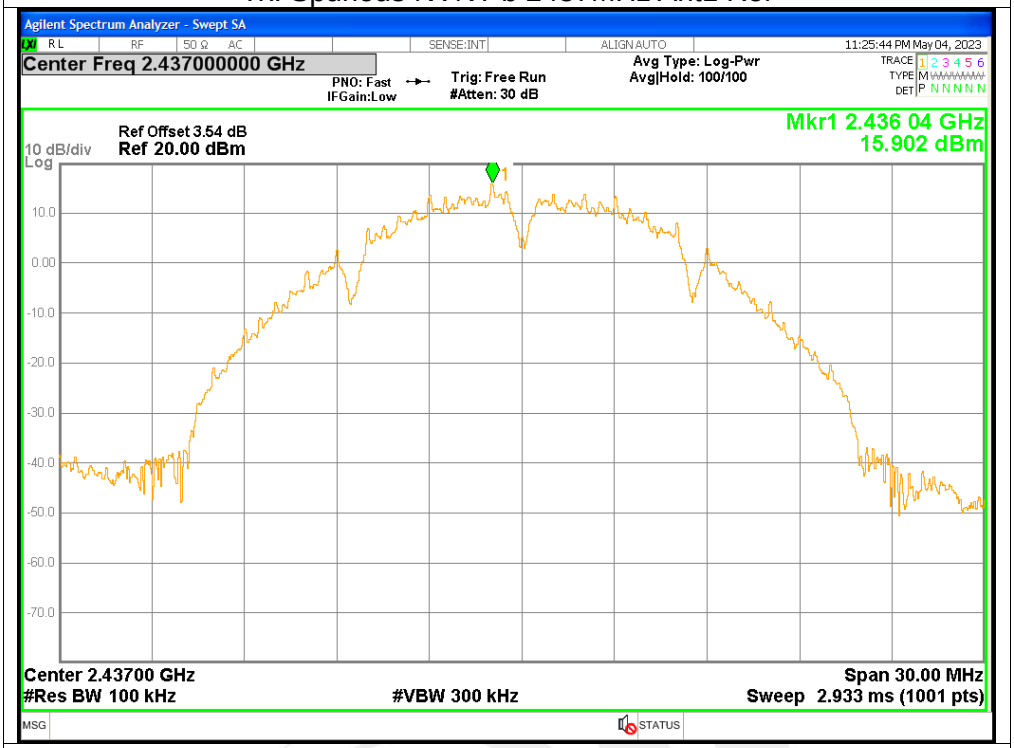


Tx. Spurious NVNT b 2412MHz Ant1 Emission

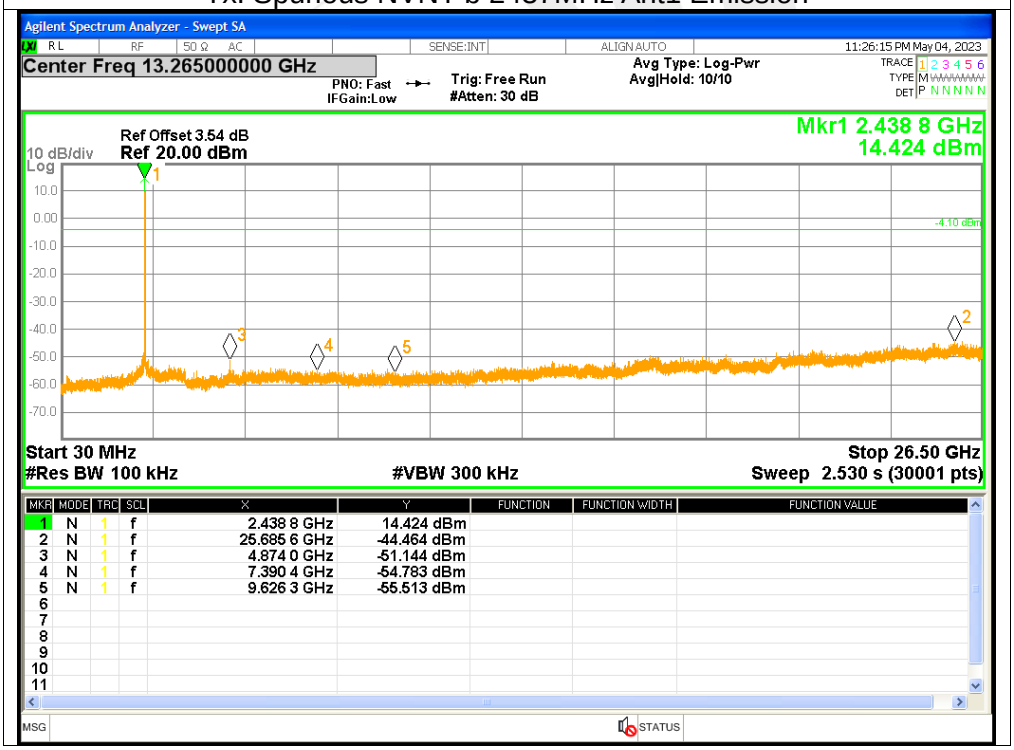


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.411 4 GHz	13.861 dBm			
2	N	1	f	25.231 2 GHz	-44.795 dBm			
3	N	1	f	4.823 7 GHz	-52.893 dBm			
4	N	1	f	7.140 7 GHz	-54.532 dBm			
5	N	1	f	9.556 6 GHz	-55.323 dBm			
6								
7								
8								
9								
10								
11								

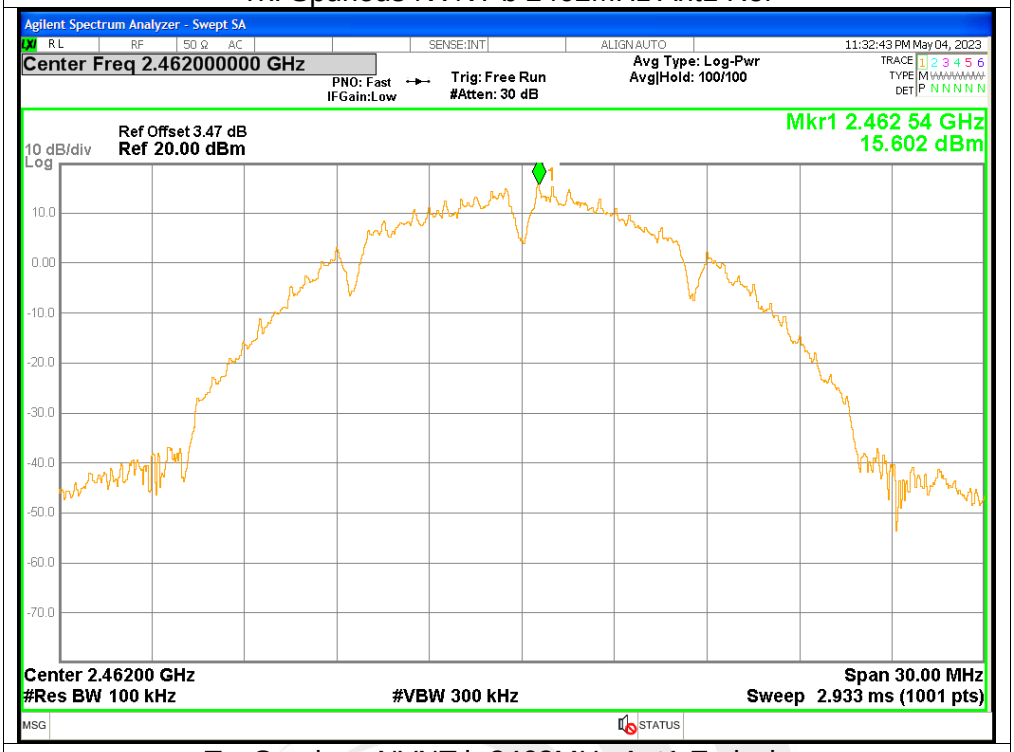
Tx. Spurious NVNT b 2437MHz Ant1 Ref



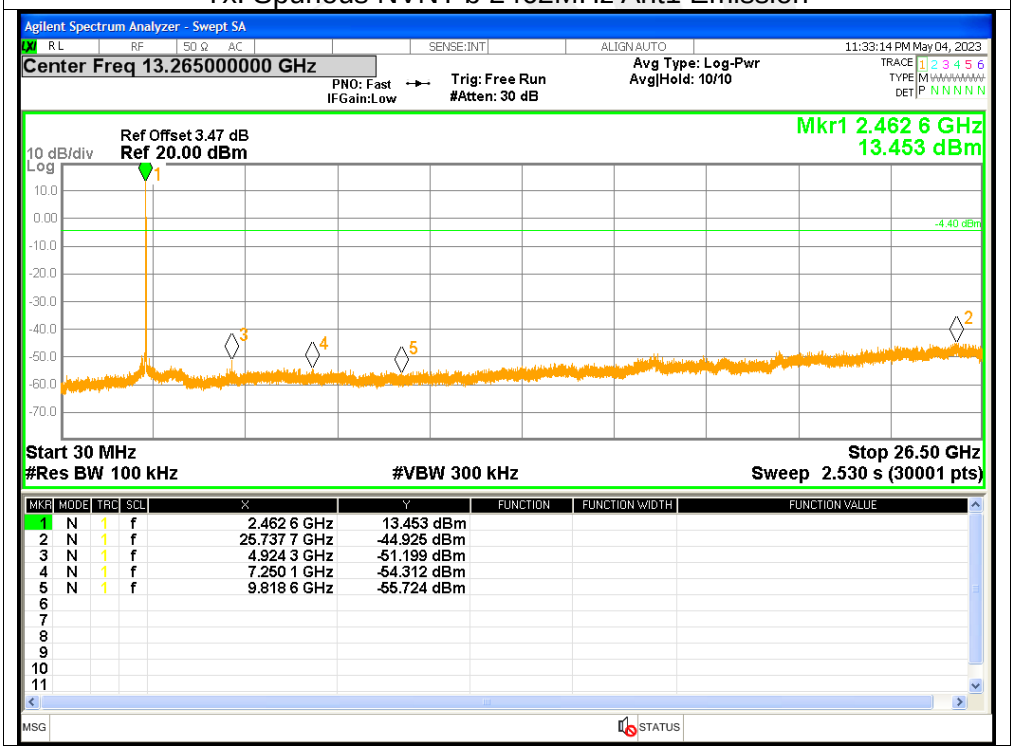
Tx. Spurious NVNT b 2437MHz Ant1 Emission



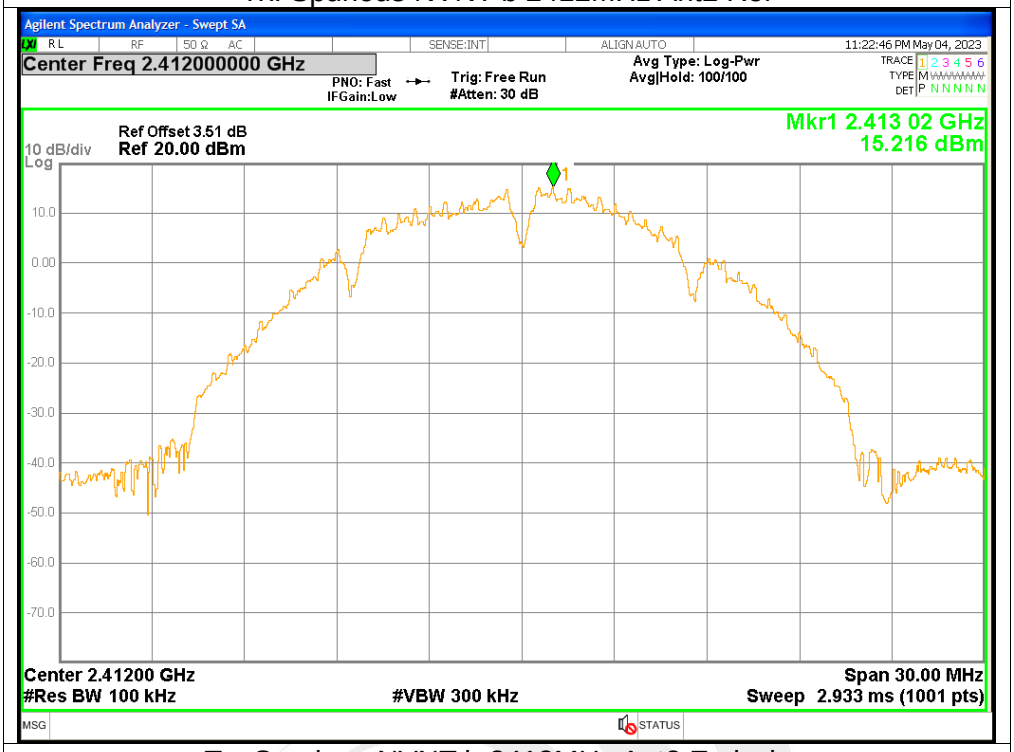
Tx. Spurious NVNT b 2462MHz Ant1 Ref



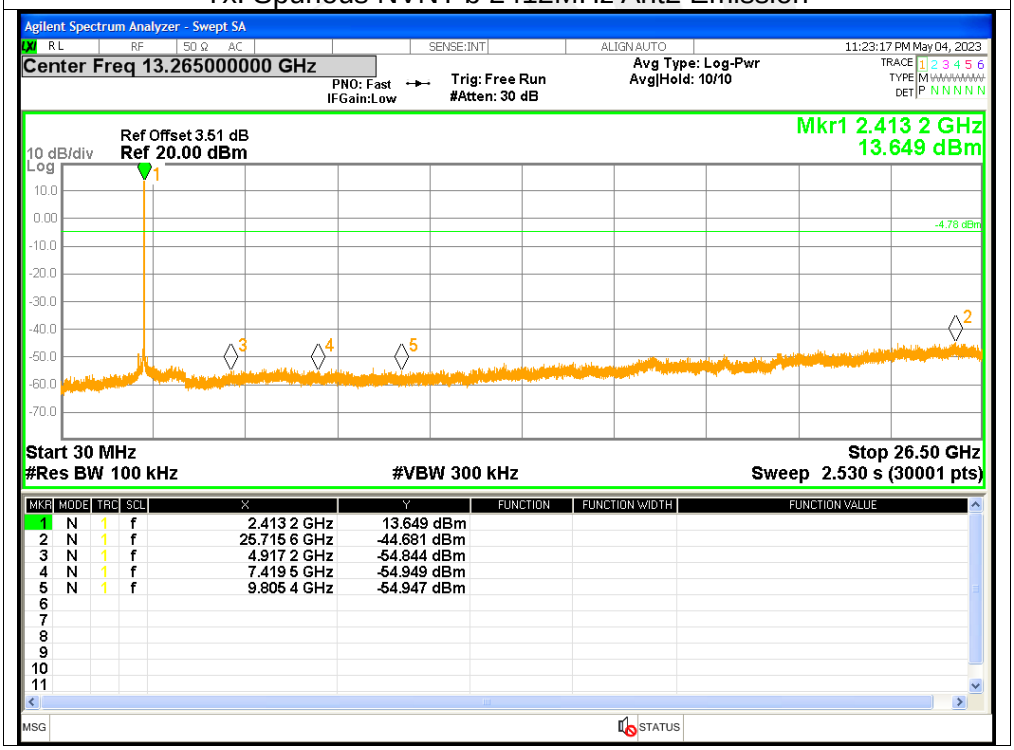
Tx. Spurious NVNT b 2462MHz Ant1 Emission



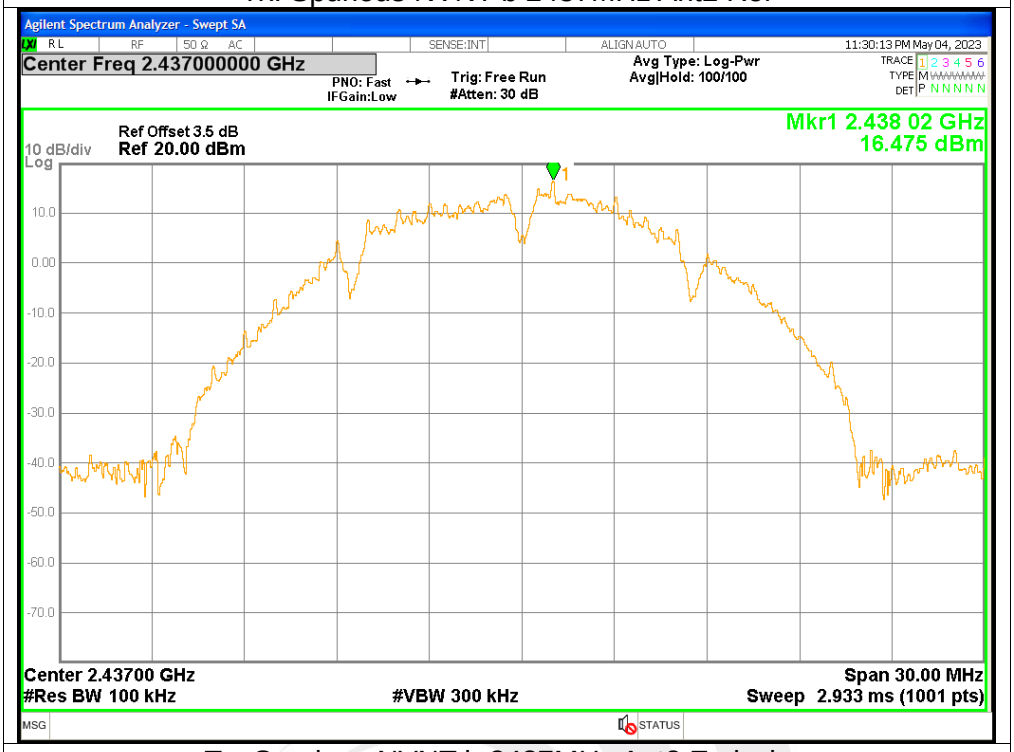
Tx. Spurious NVNT b 2412MHz Ant2 Ref



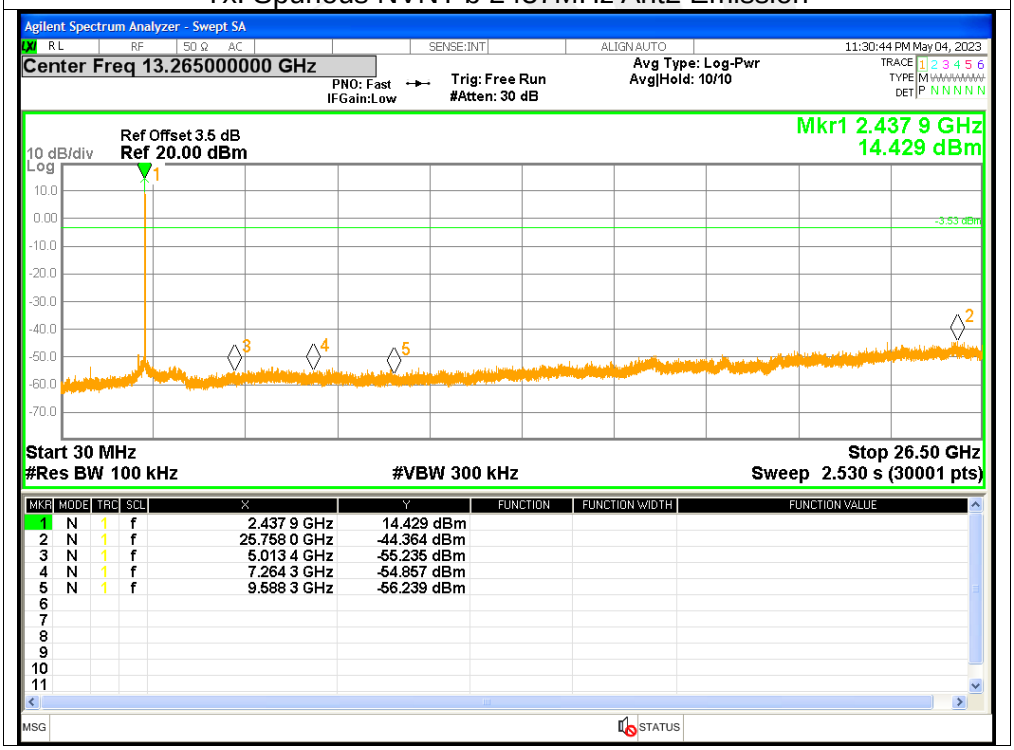
Tx. Spurious NVNT b 2412MHz Ant2 Emission



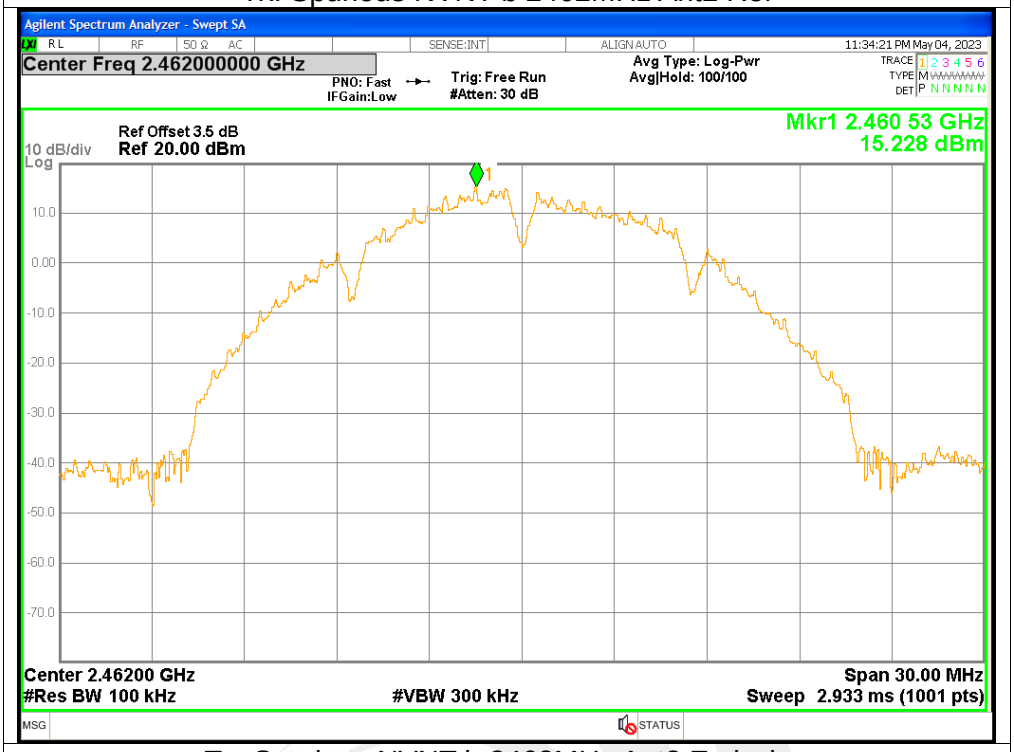
Tx. Spurious NVNT b 2437MHz Ant2 Ref



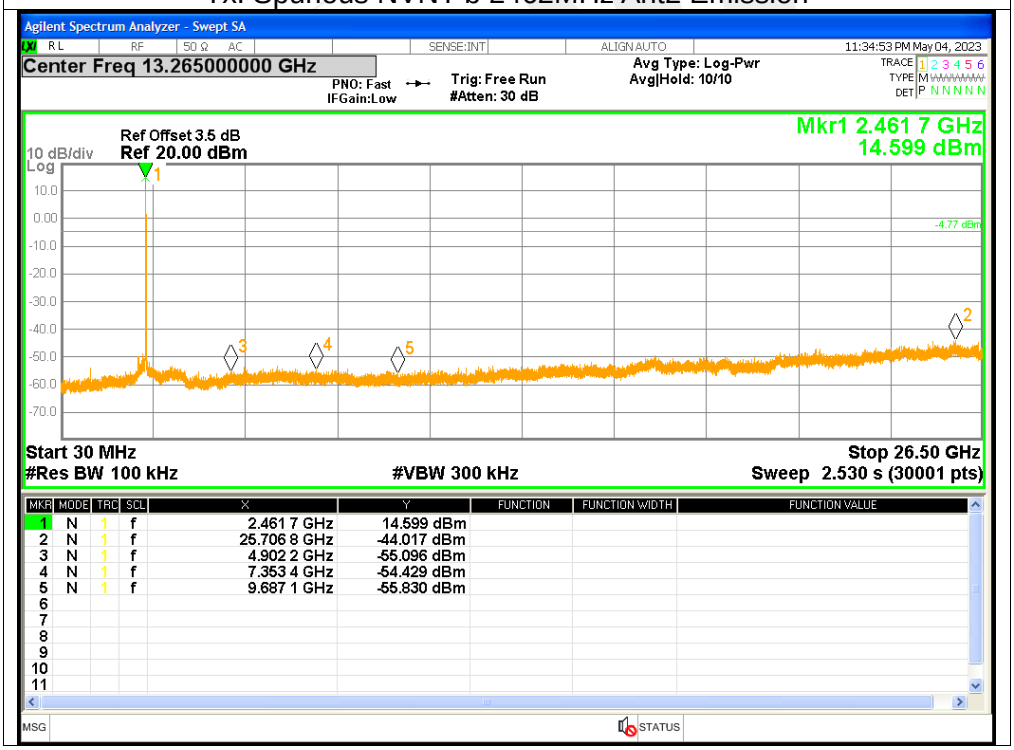
Tx. Spurious NVNT b 2437MHz Ant2 Emission



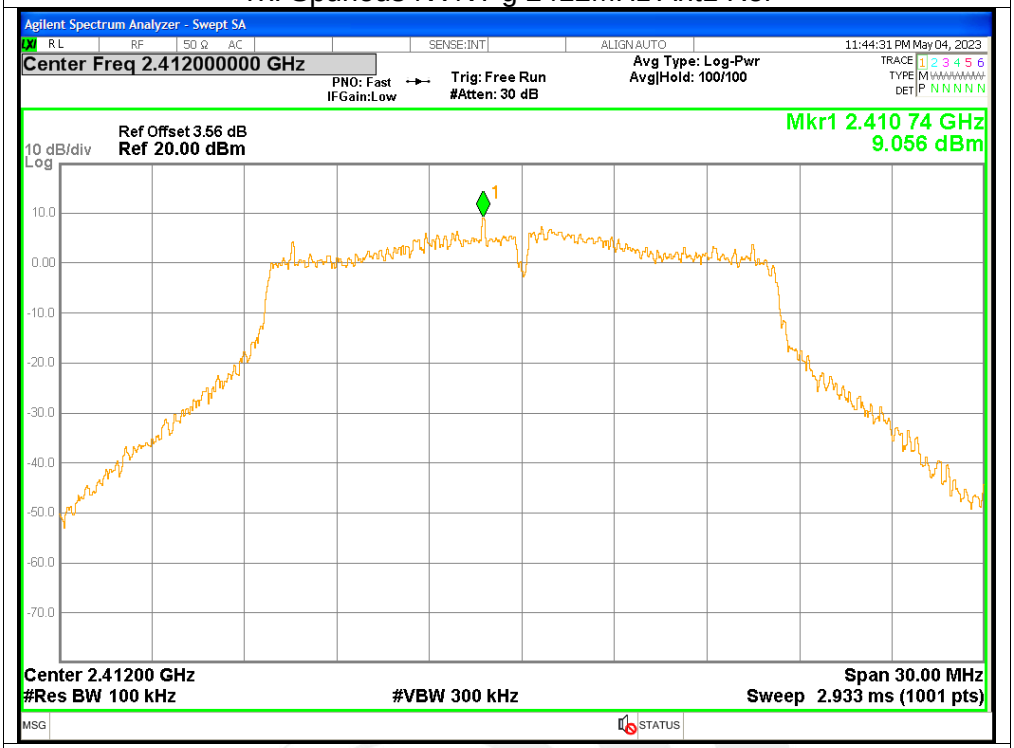
Tx. Spurious NVNT b 2462MHz Ant2 Ref



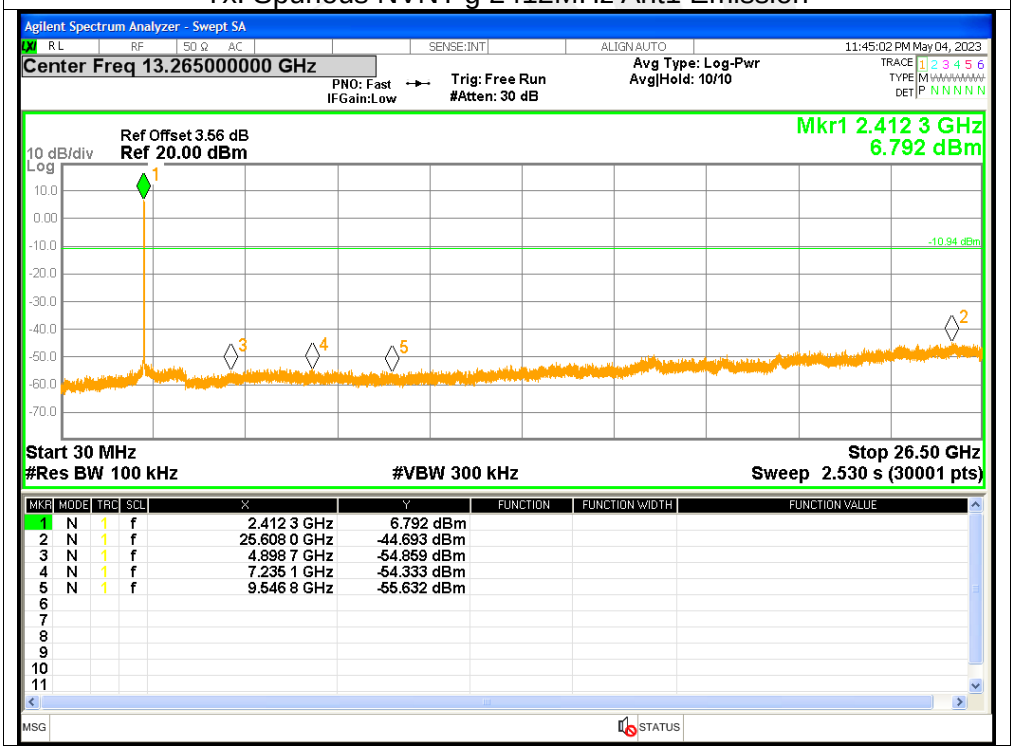
Tx. Spurious NVNT b 2462MHz Ant2 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



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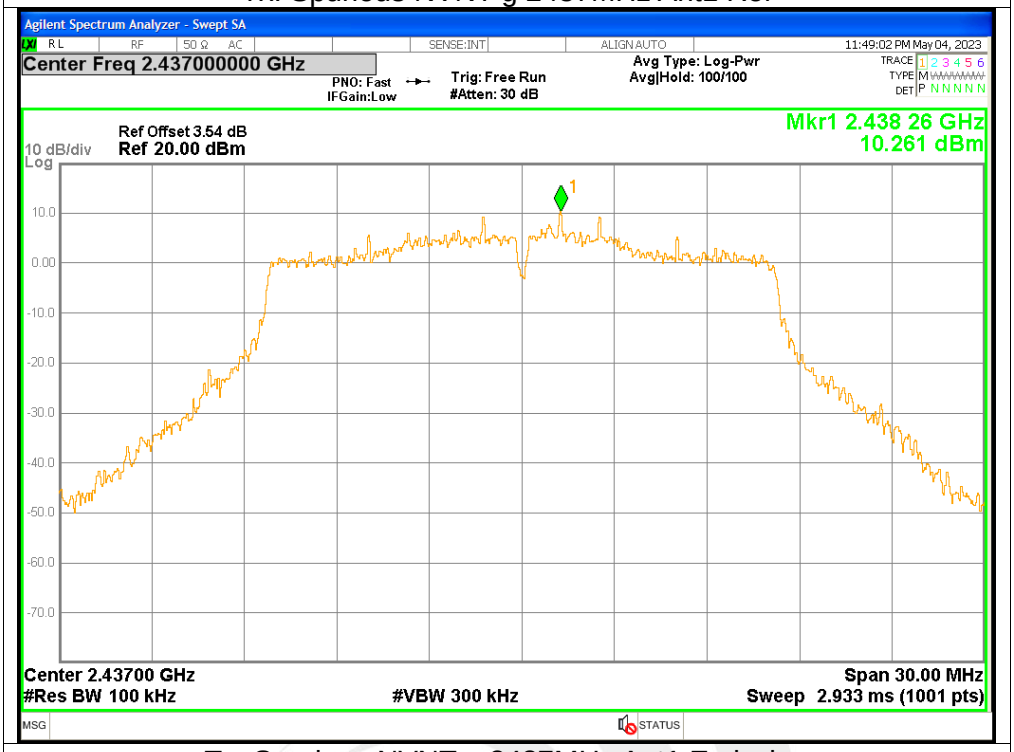

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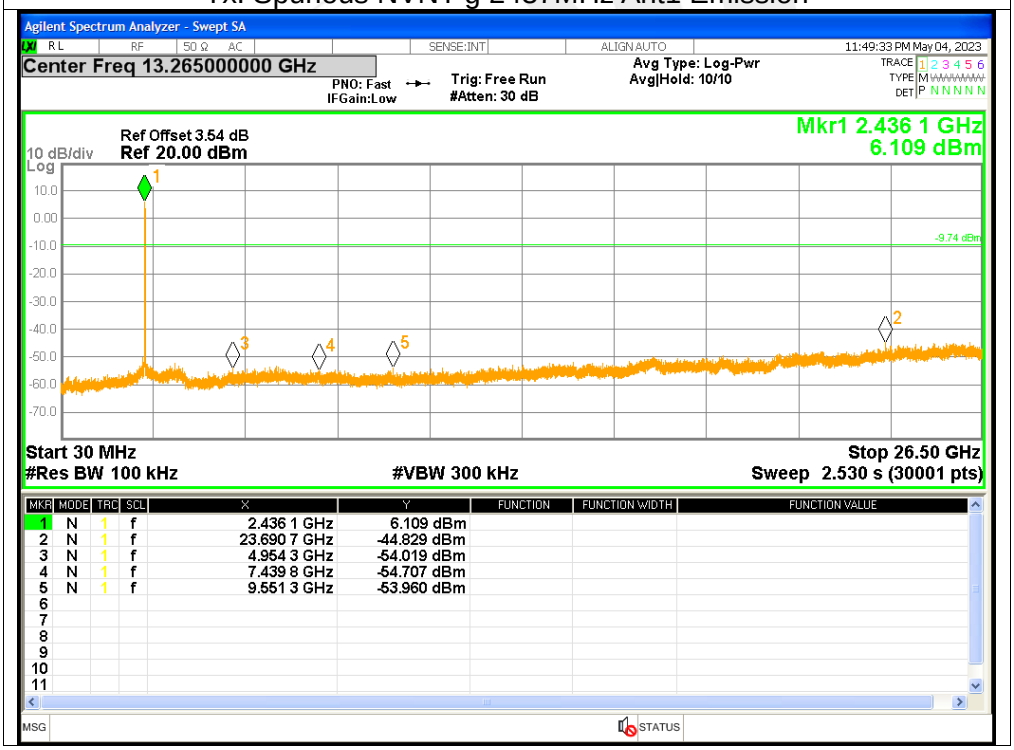
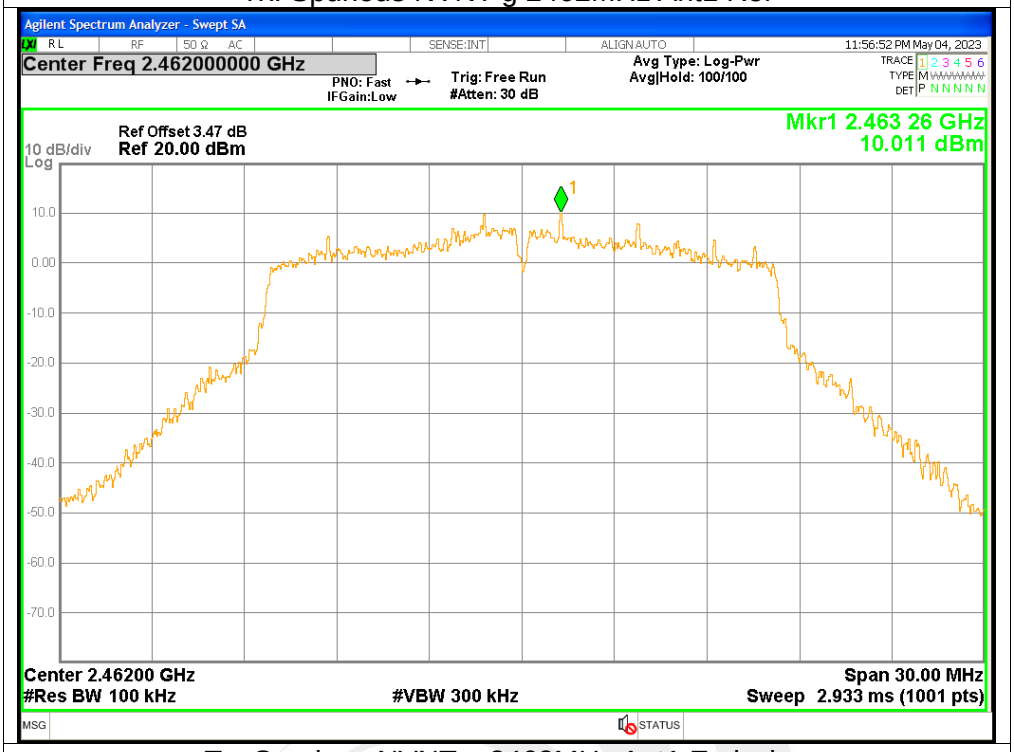
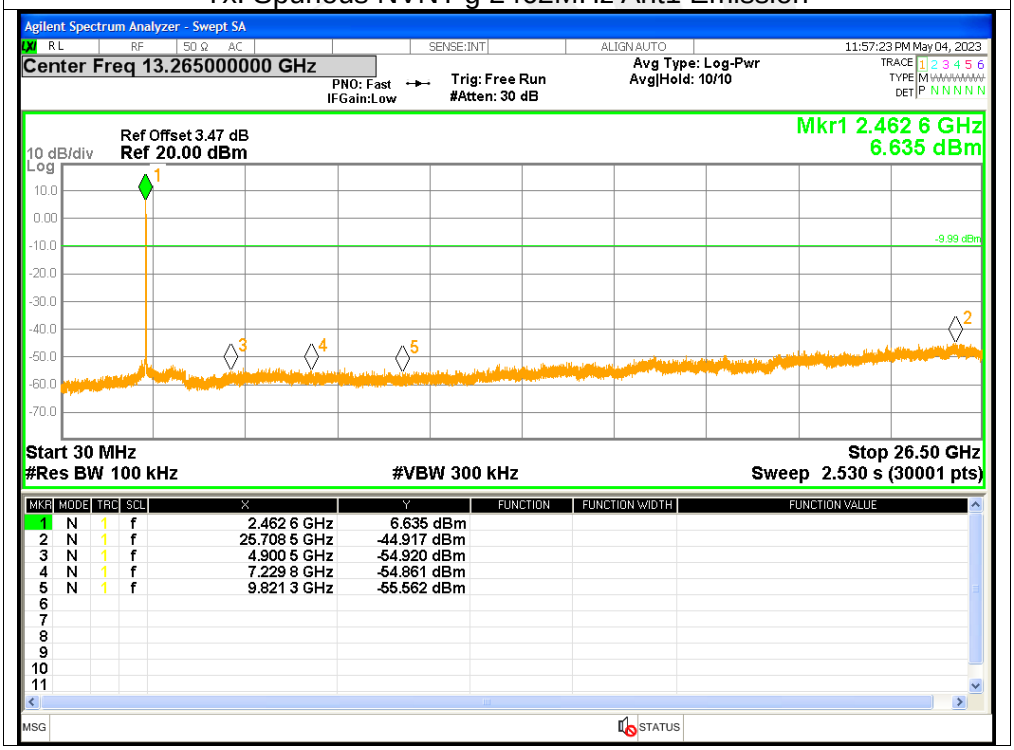


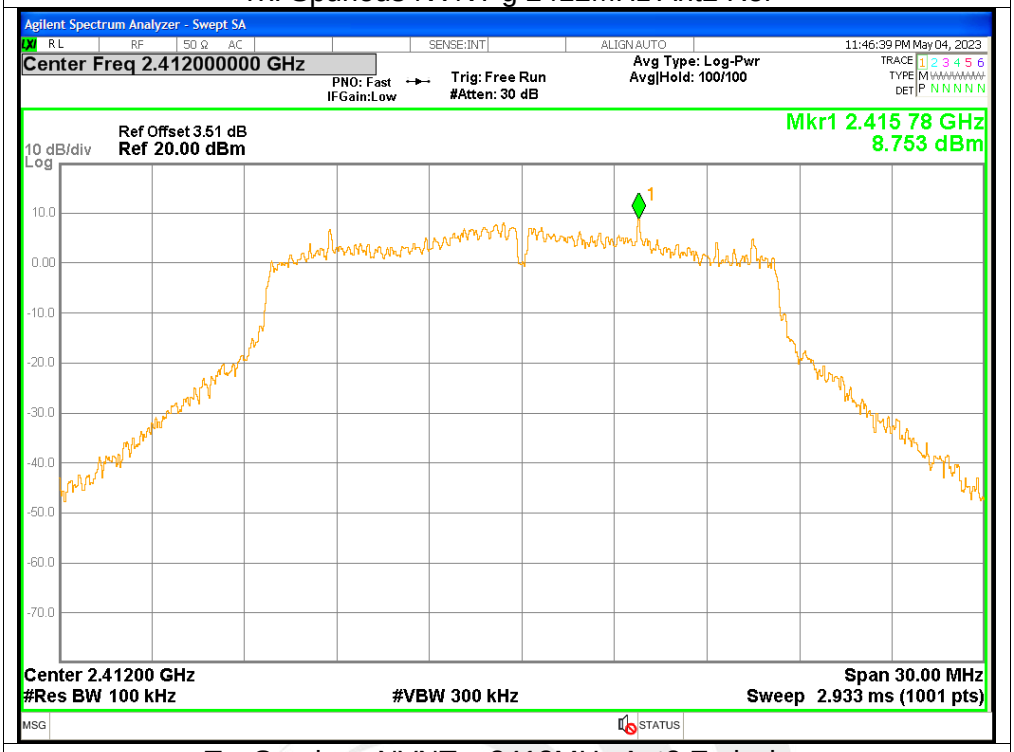
Tx. Spurious NVNT g 2462MHz Ant1 Ref



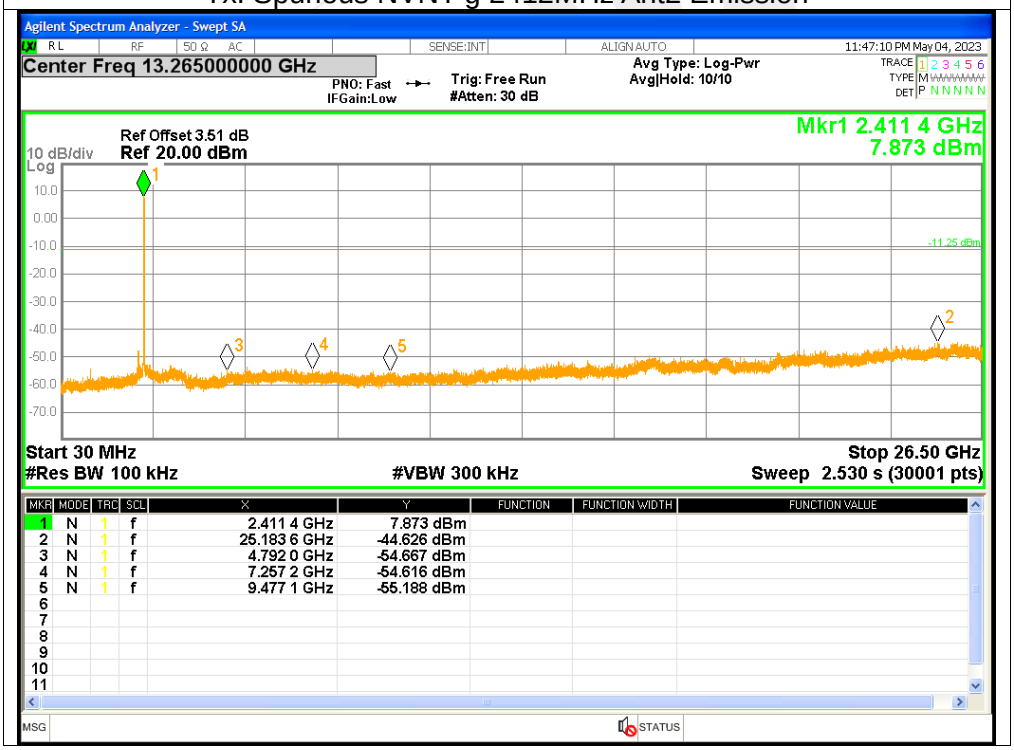
Tx. Spurious NVNT g 2462MHz Ant1 Emission



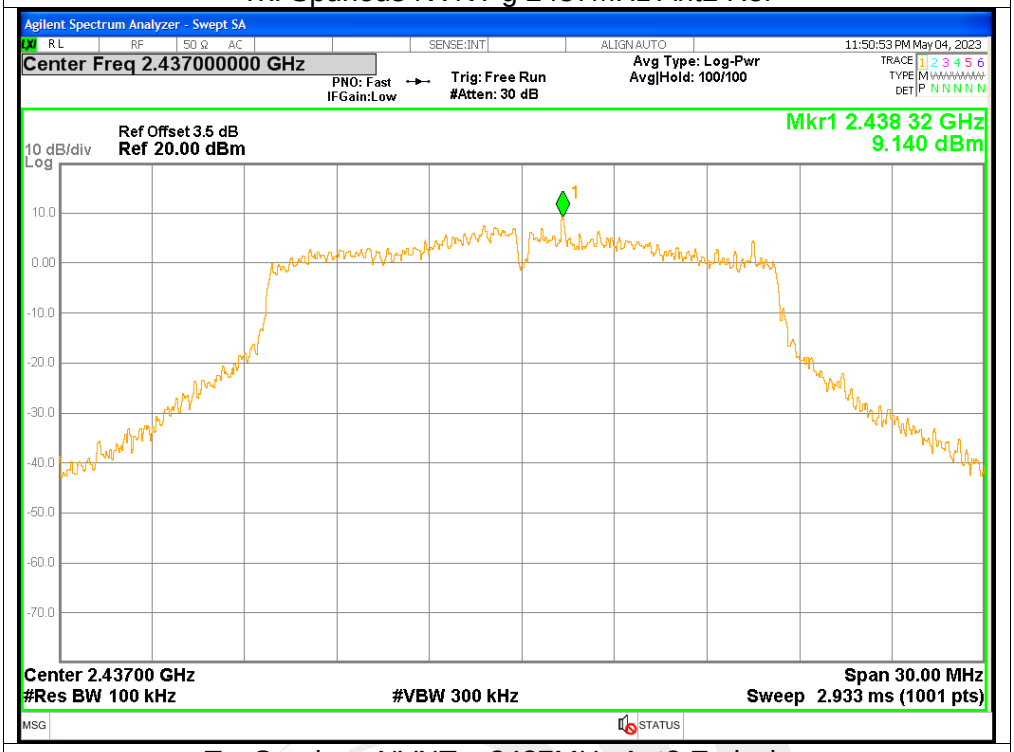
Tx. Spurious NVNT g 2412MHz Ant2 Ref



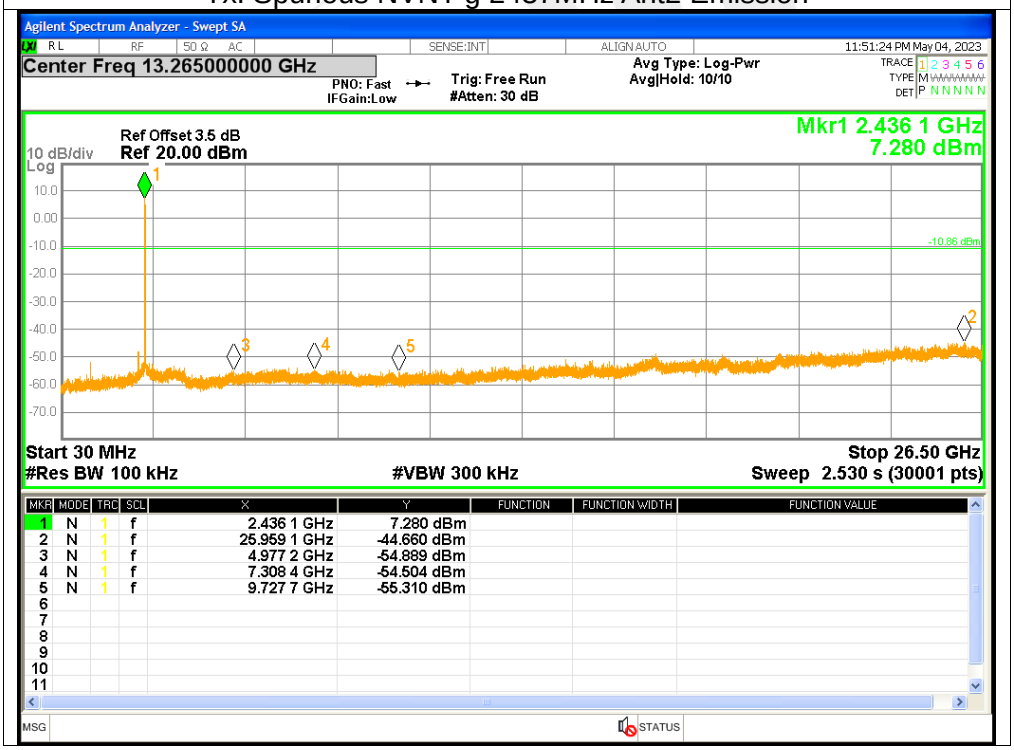
Tx. Spurious NVNT g 2412MHz Ant2 Emission



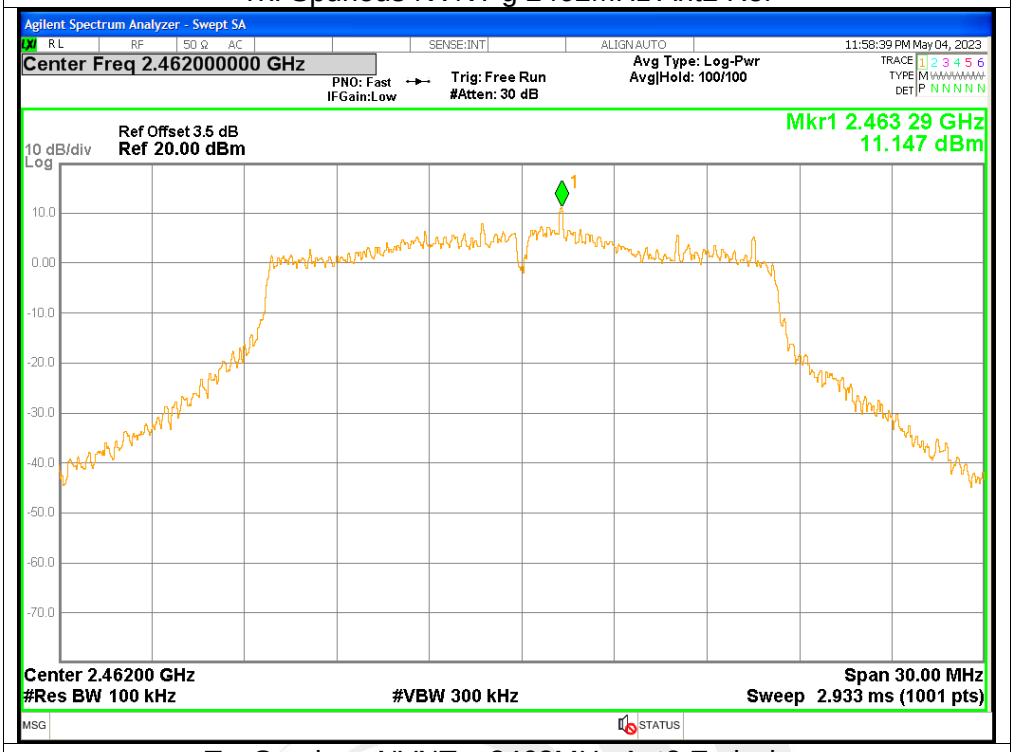
Tx. Spurious NVNT g 2437MHz Ant2 Ref



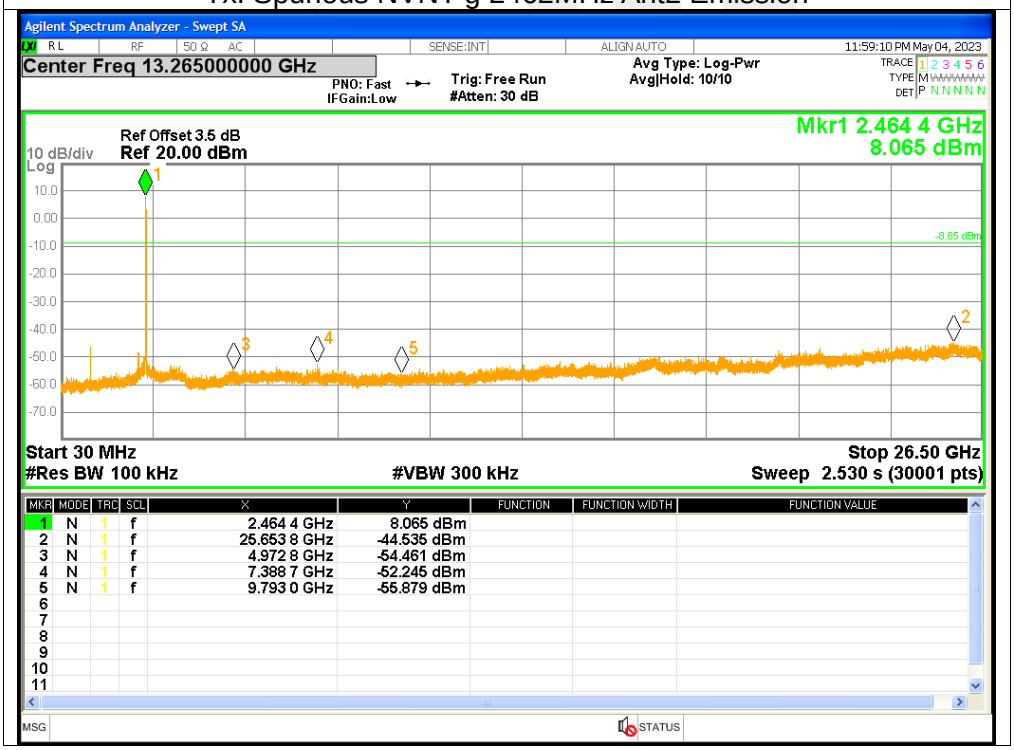
Tx. Spurious NVNT g 2437MHz Ant2 Emission



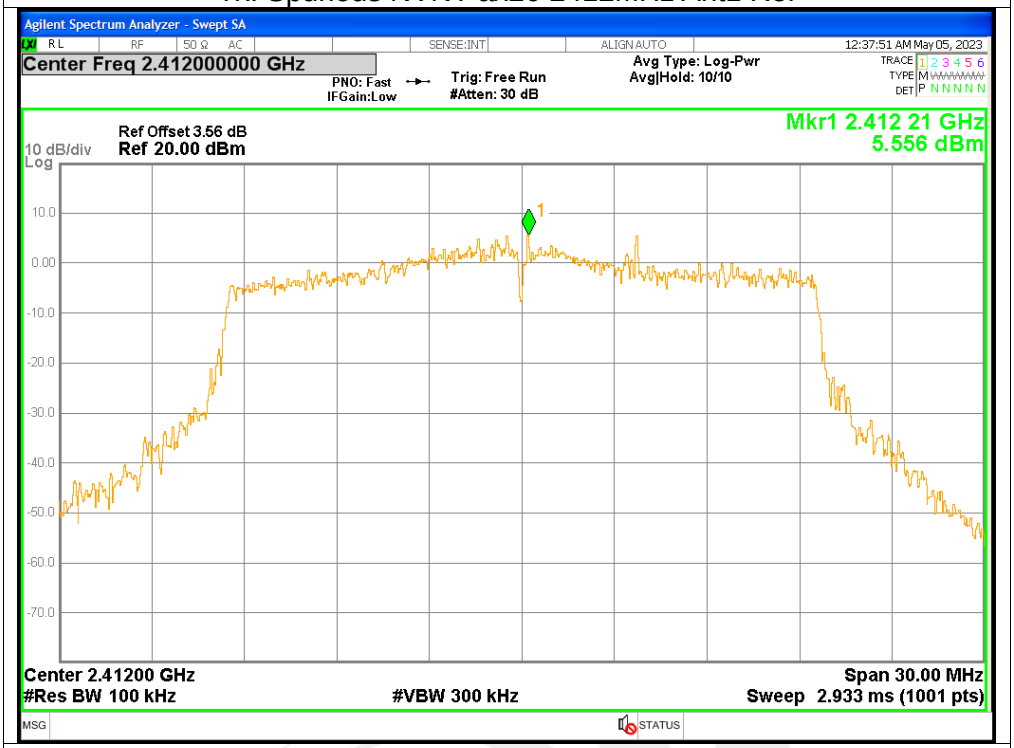
Tx. Spurious NVNT g 2462MHz Ant2 Ref



Tx. Spurious NVNT g 2462MHz Ant2 Emission



Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



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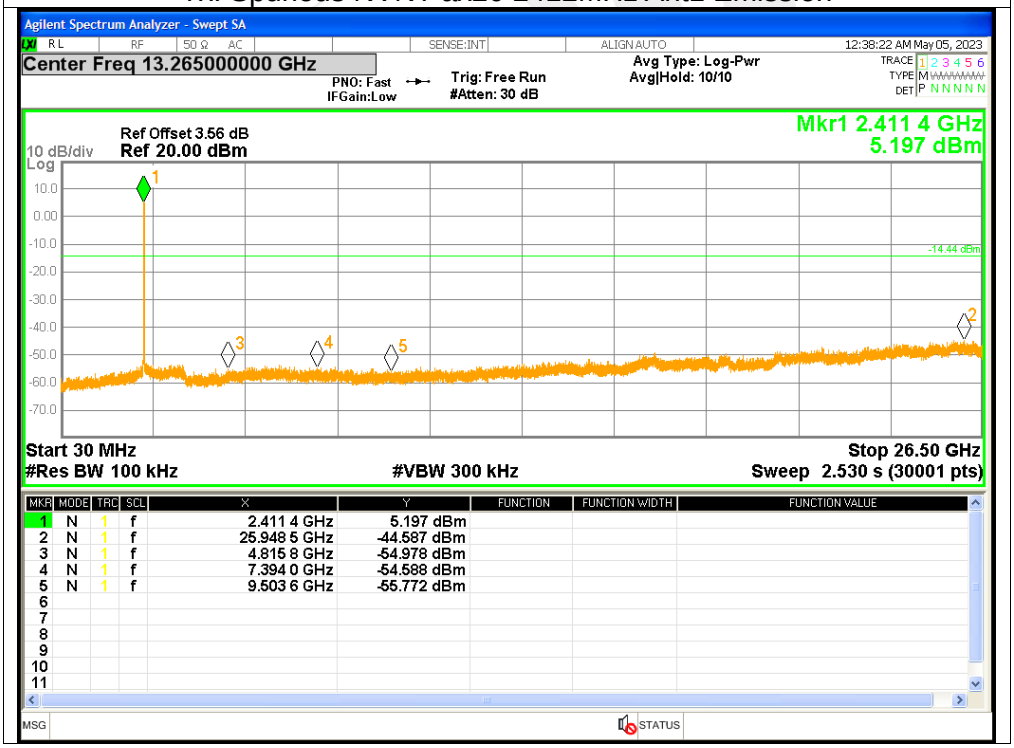
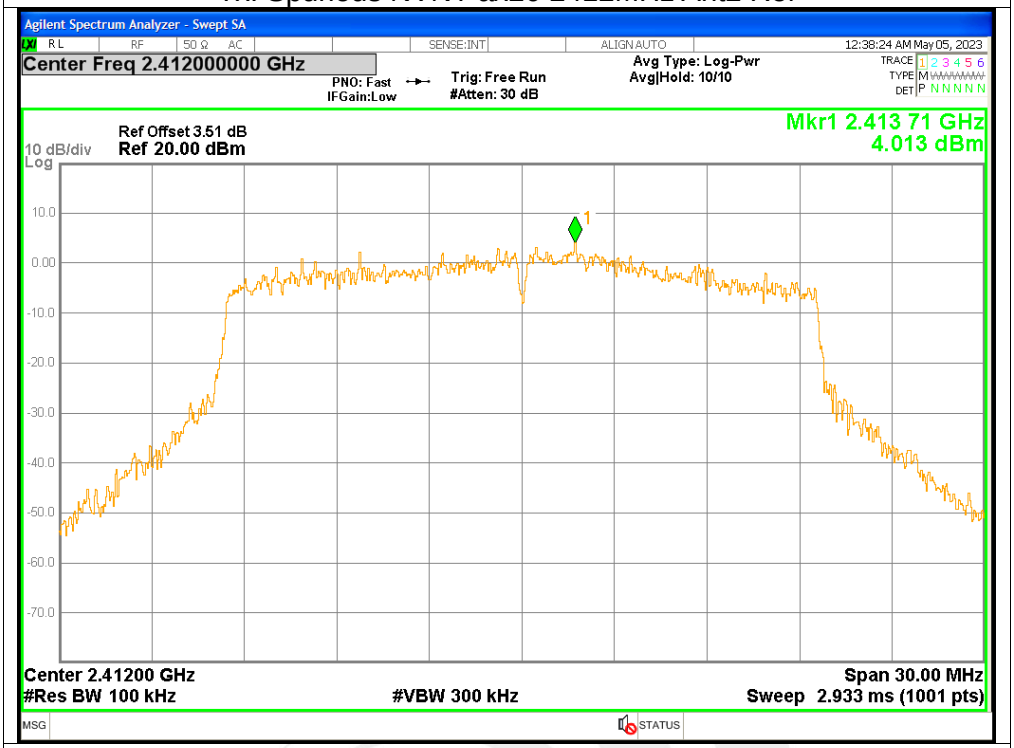


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.411 4 GHz	5.197 dBm			
2	N	1	f	25.948 5 GHz	-44.587 dBm			
3	N	1	f	4.815 8 GHz	-54.978 dBm			
4	N	1	f	7.394 0 GHz	-54.588 dBm			
5	N	1	f	9.503 6 GHz	-55.772 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT ax20 2412MHz Ant2 Ref



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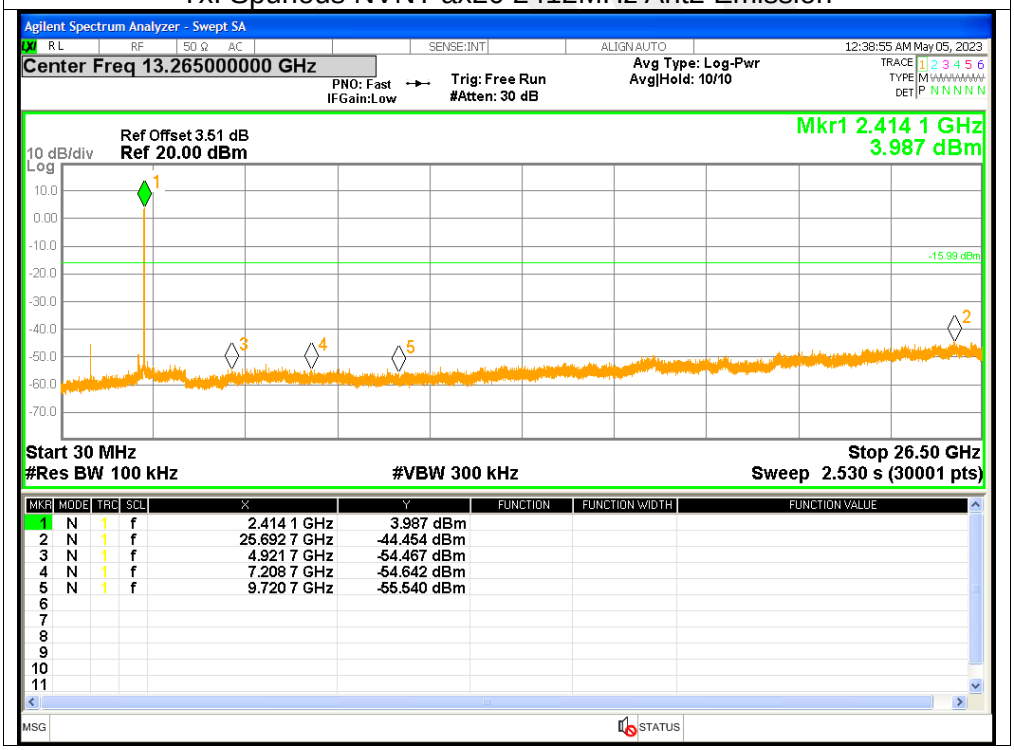

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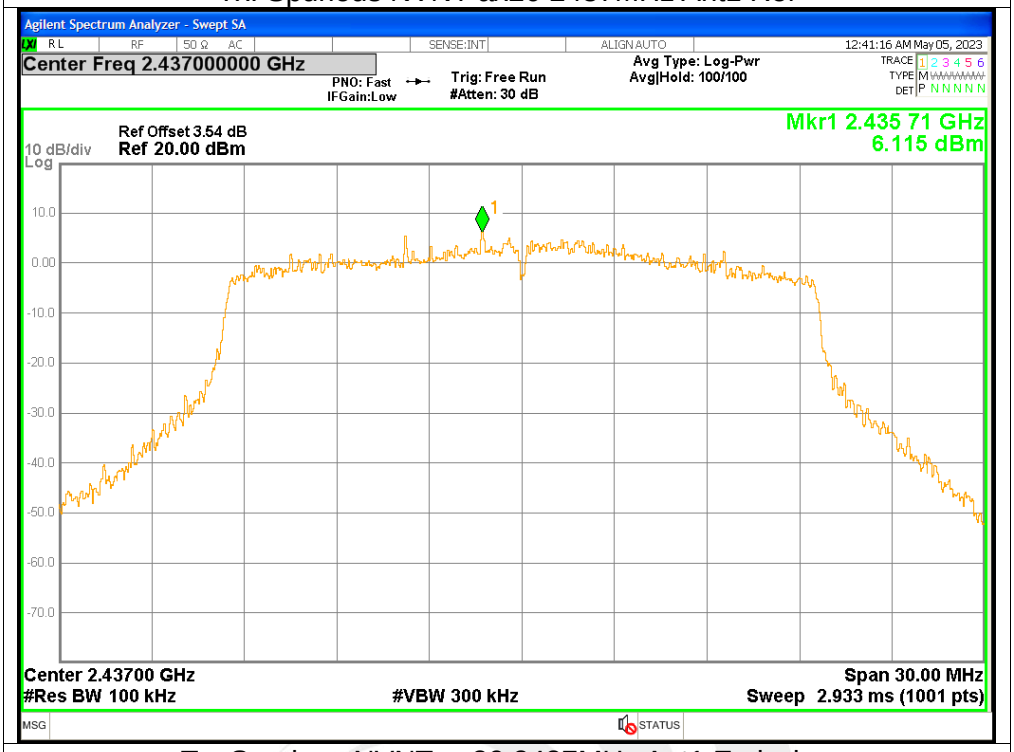
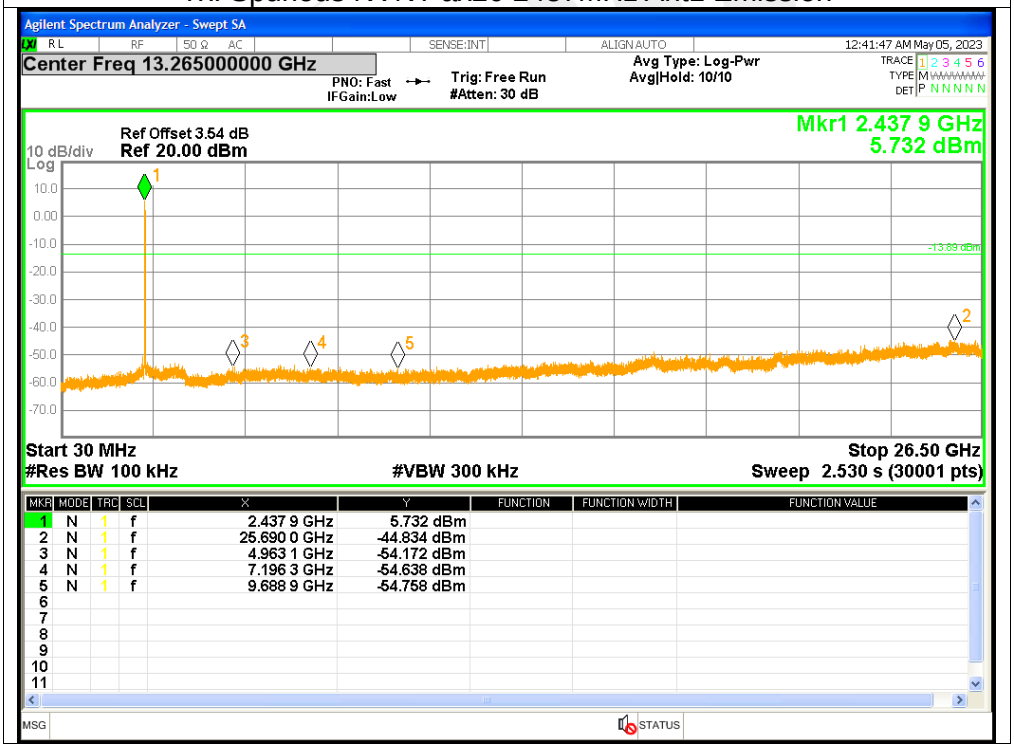
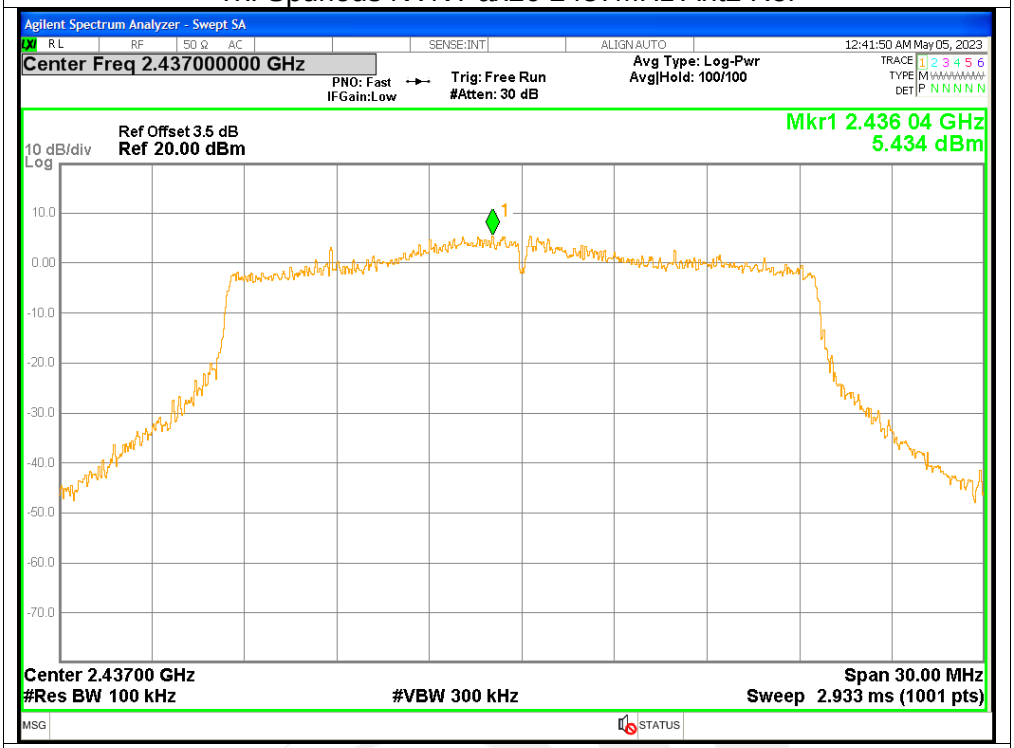


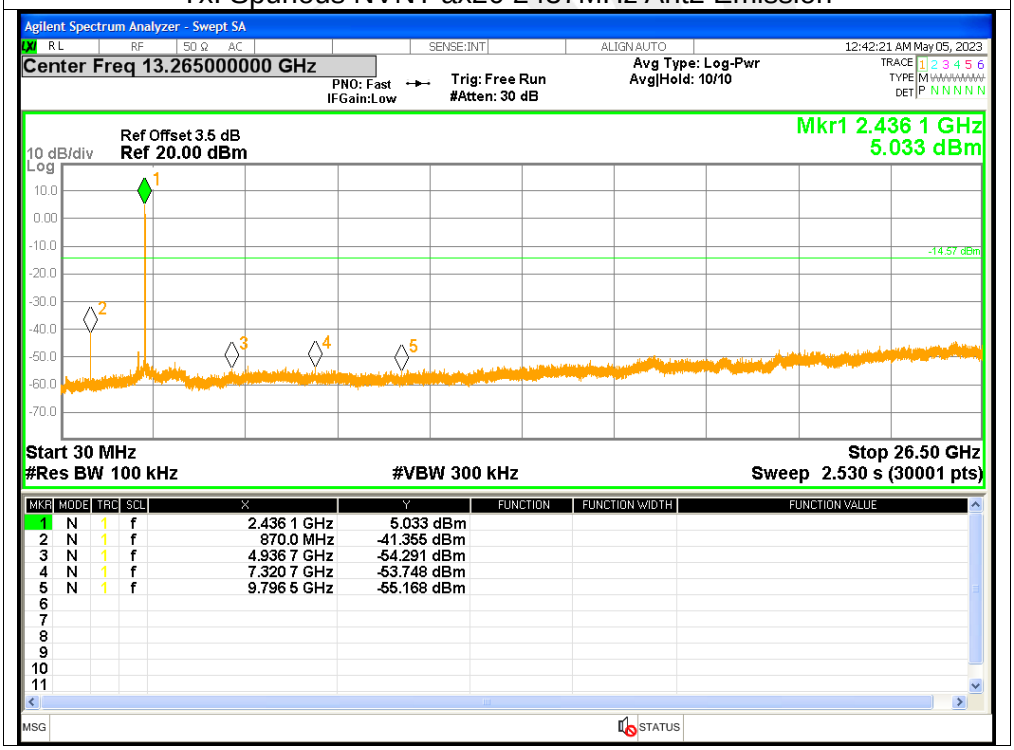
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



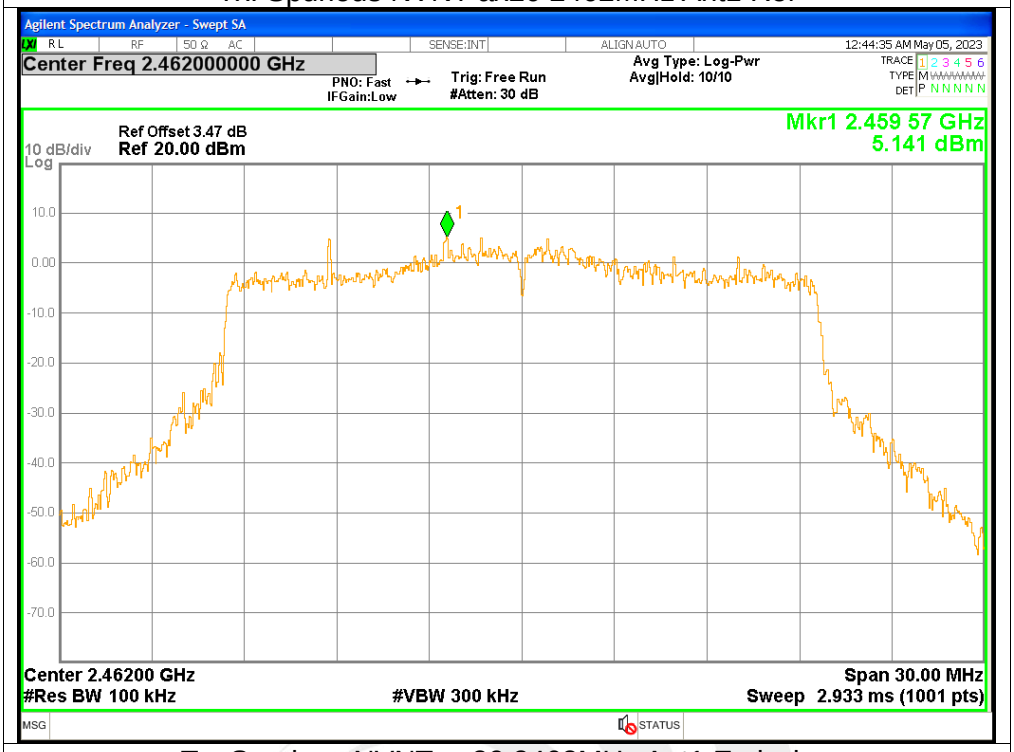
Tx. Spurious NVNT ax20 2437MHz Ant2 Ref



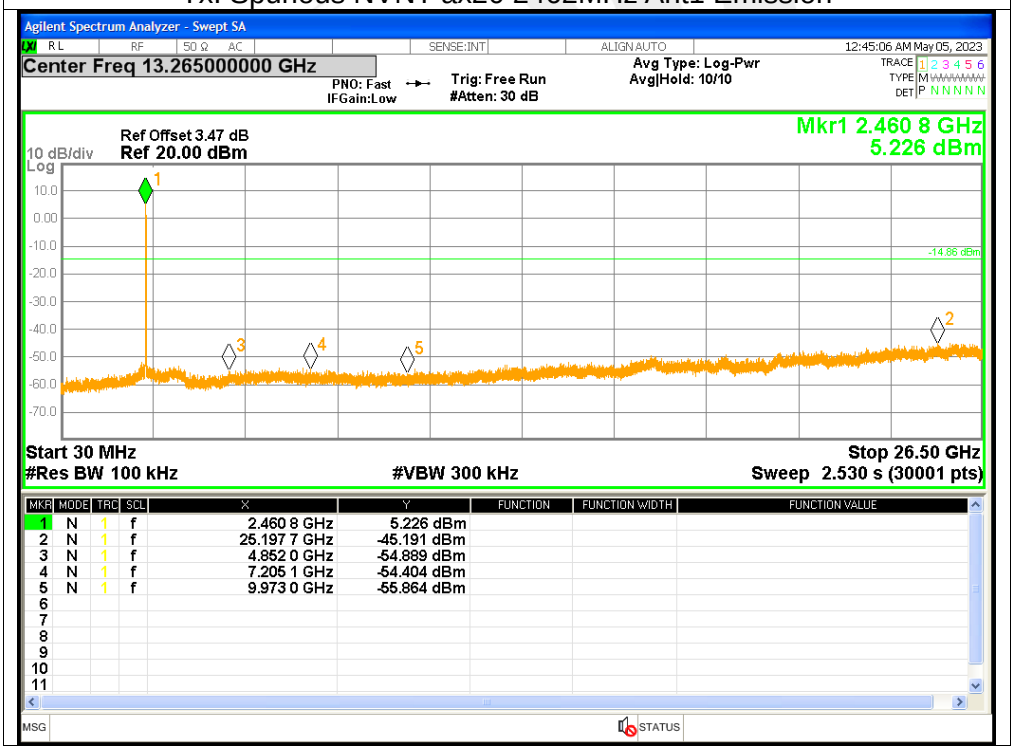
Tx. Spurious NVNT ax20 2437MHz Ant2 Emission



Tx. Spurious NVNT ax20 2462MHz Ant1 Ref

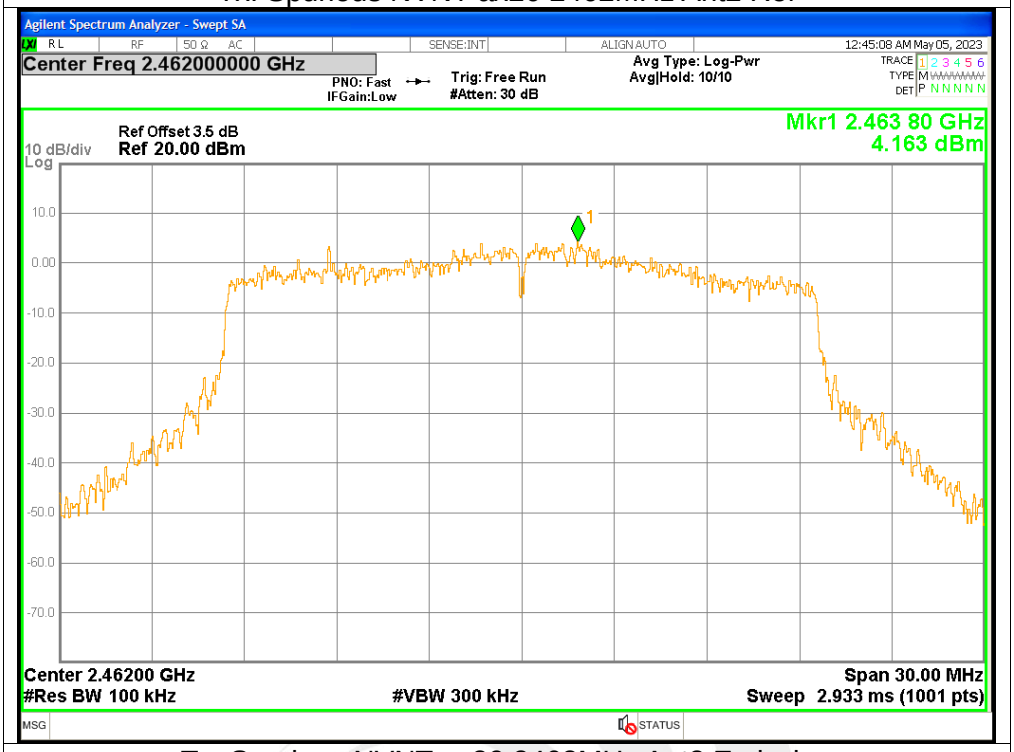


Tx. Spurious NVNT ax20 2462MHz Ant1 Emission

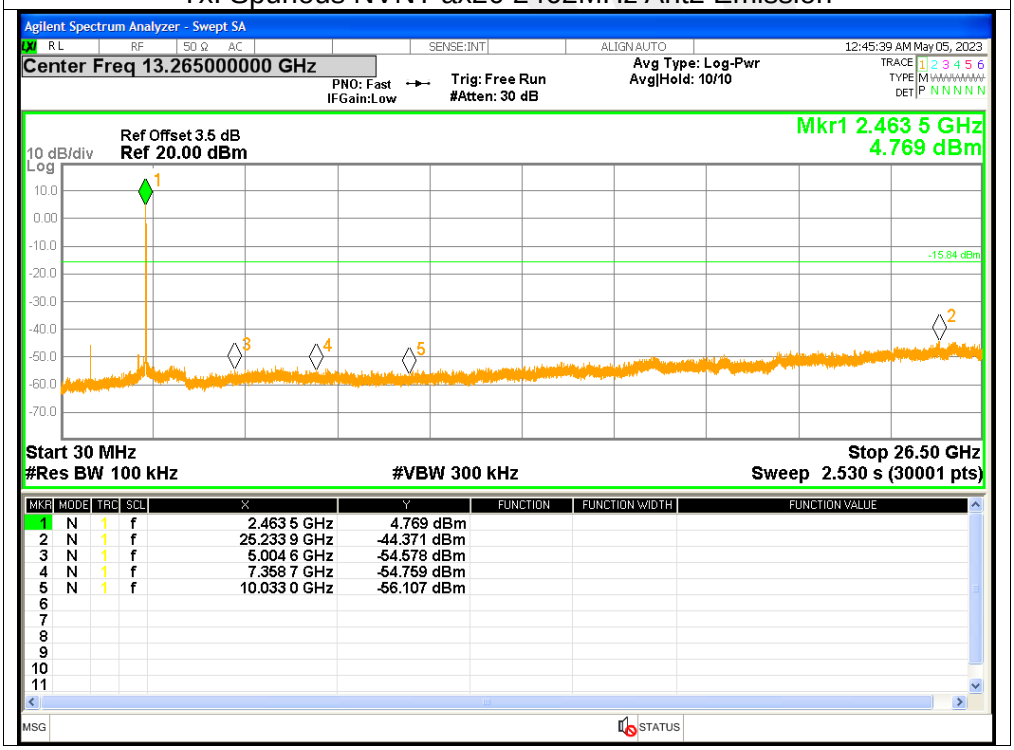


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.460 8 GHz	5.226 dBm			
2	N	1	f	25.197 7 GHz	-45.191 dBm			
3	N	1	f	4.852 0 GHz	-54.889 dBm			
4	N	1	f	7.205 1 GHz	-54.404 dBm			
5	N	1	f	9.973 0 GHz	-55.864 dBm			
6								
7								
8								
9								
10								
11								

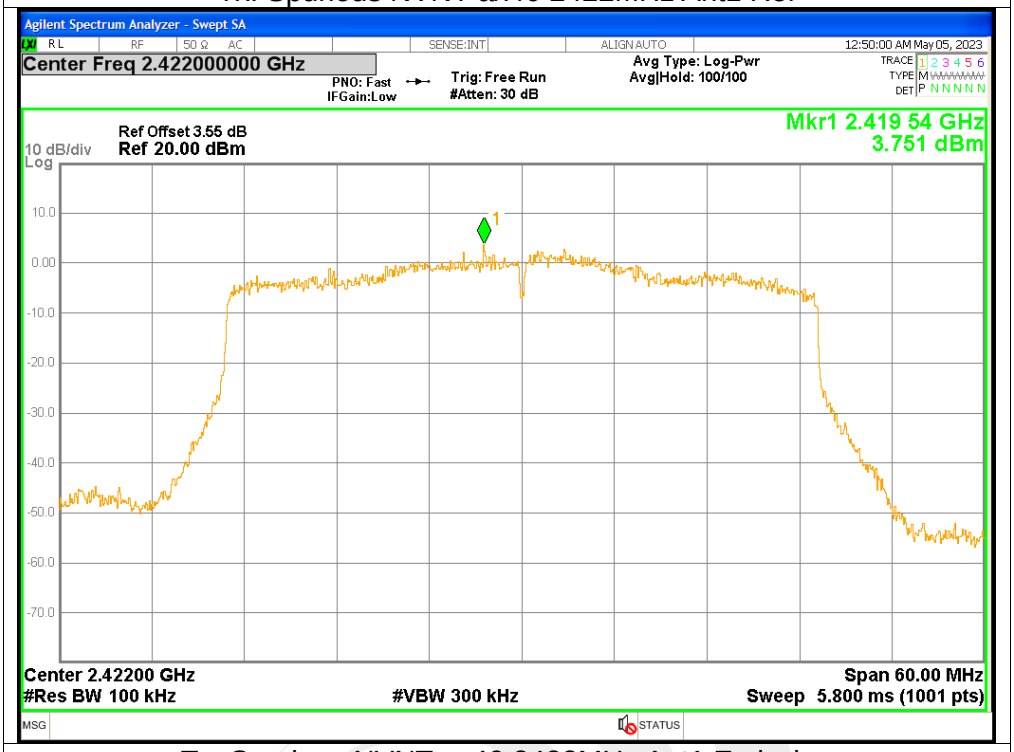
Tx. Spurious NVNT ax20 2462MHz Ant2 Ref



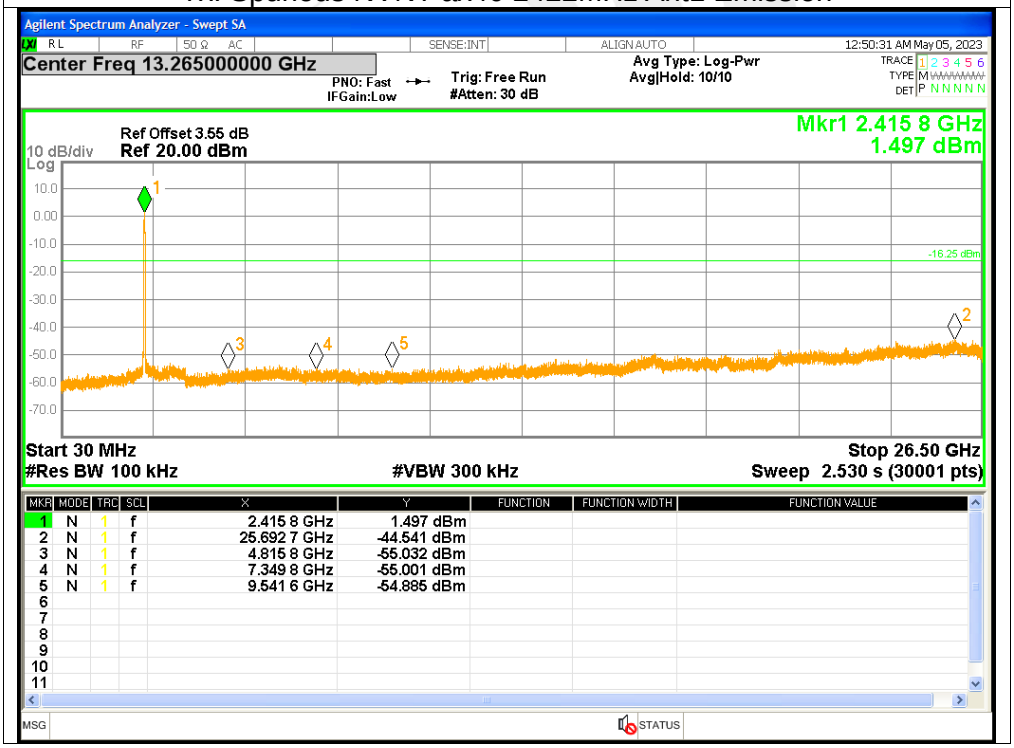
Tx. Spurious NVNT ax20 2462MHz Ant2 Emission



Tx. Spurious NVNT ax40 2422MHz Ant1 Ref

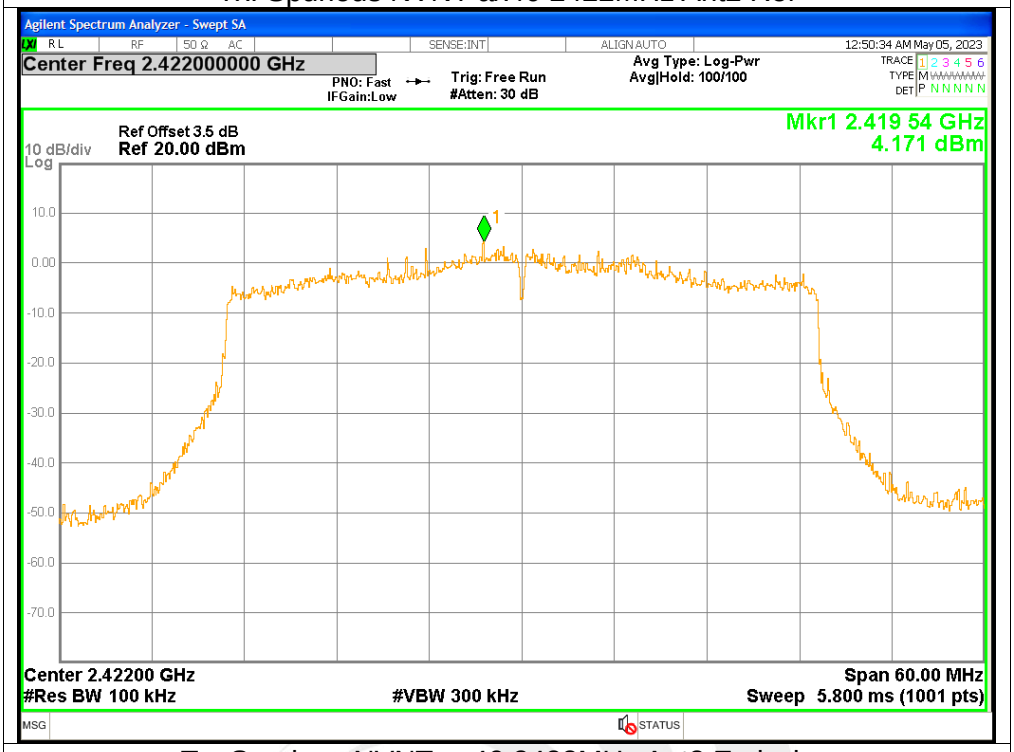


Tx. Spurious NVNT ax40 2422MHz Ant1 Emission

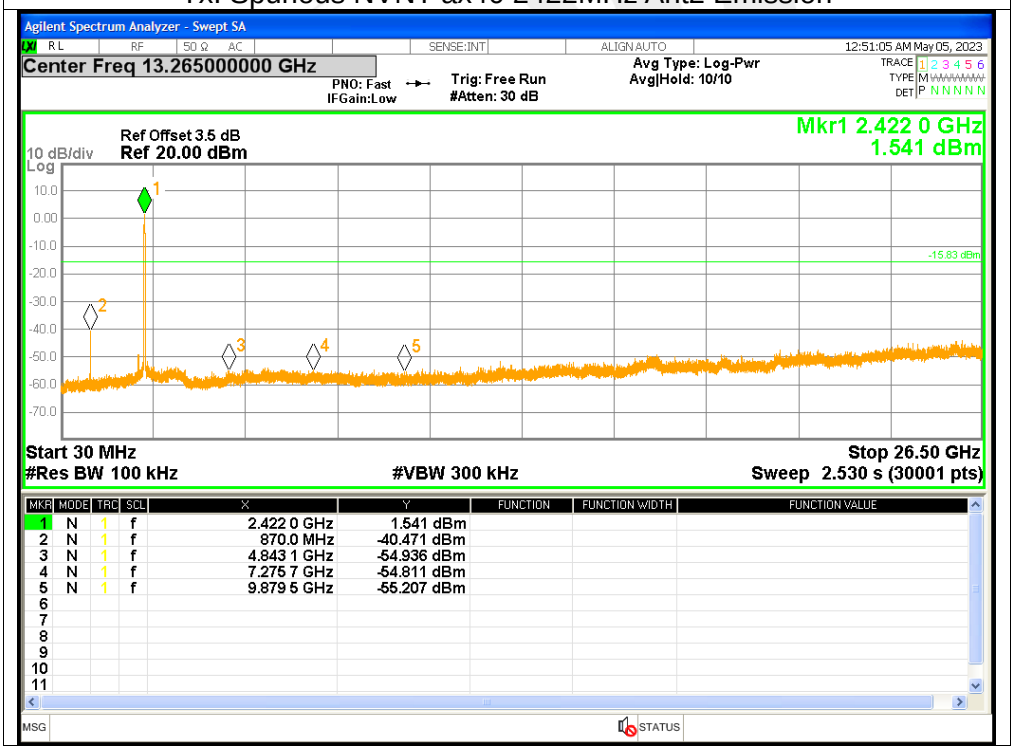


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.415 8 GHz	1.497 dBm			
2	N	1	f	25.692 7 GHz	-44.541 dBm			
3	N	1	f	4.815 8 GHz	-55.032 dBm			
4	N	1	f	7.349 8 GHz	-55.001 dBm			
5	N	1	f	9.541 6 GHz	-54.885 dBm			
6								
7								
8								
9								
10								
11								

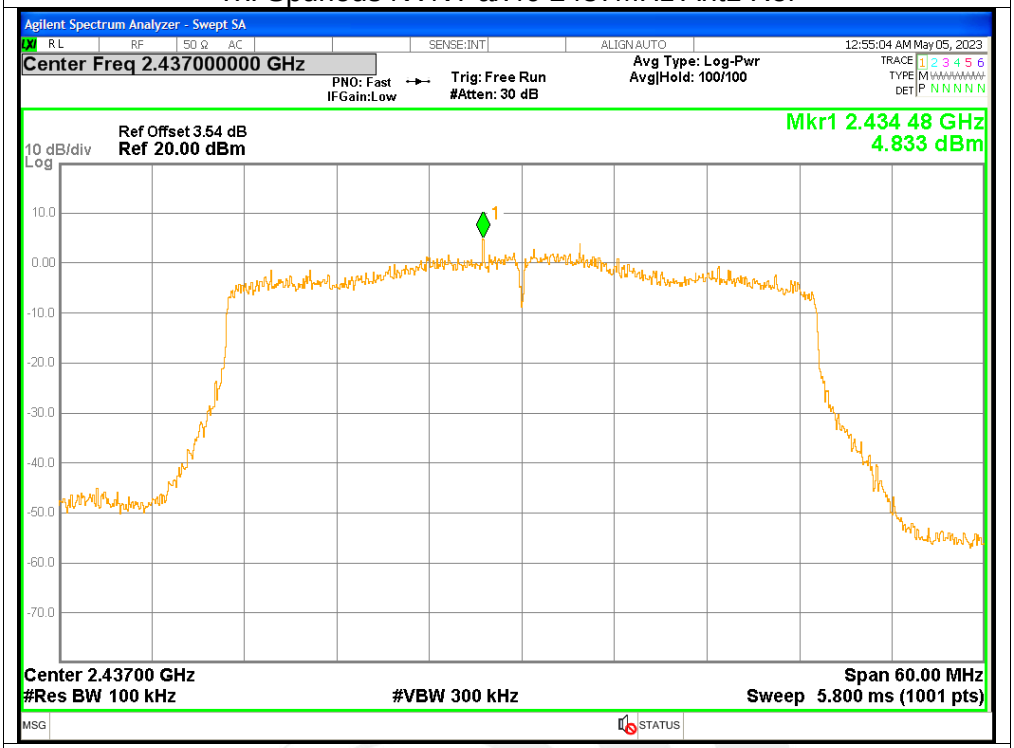
Tx. Spurious NVNT ax40 2422MHz Ant2 Ref



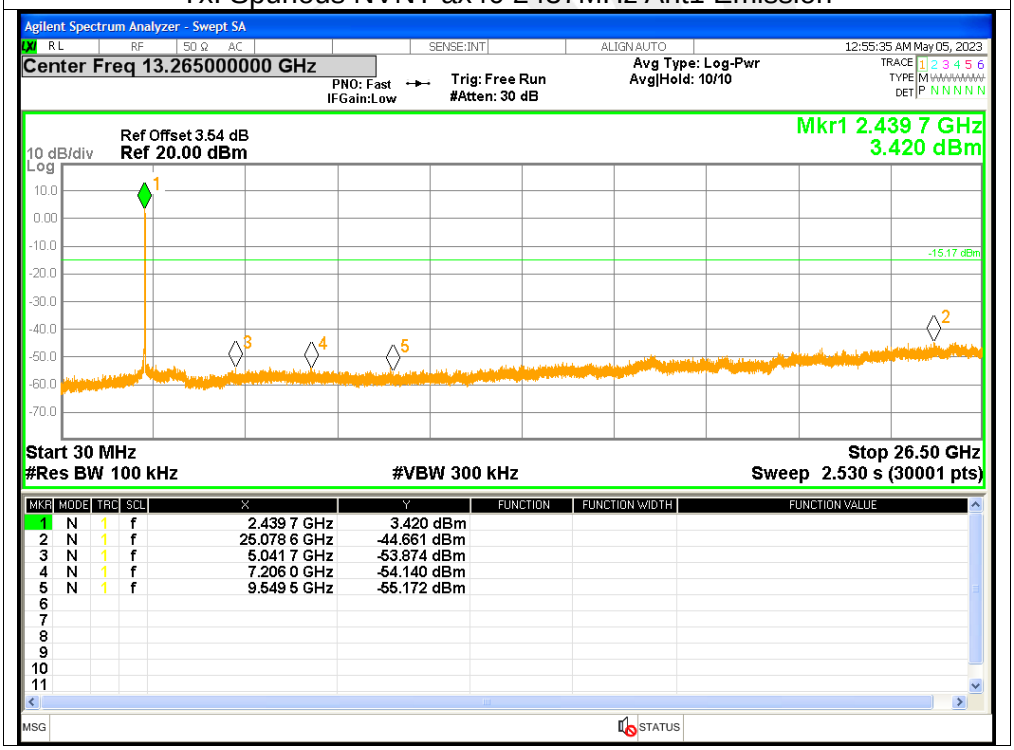
Tx. Spurious NVNT ax40 2422MHz Ant2 Emission



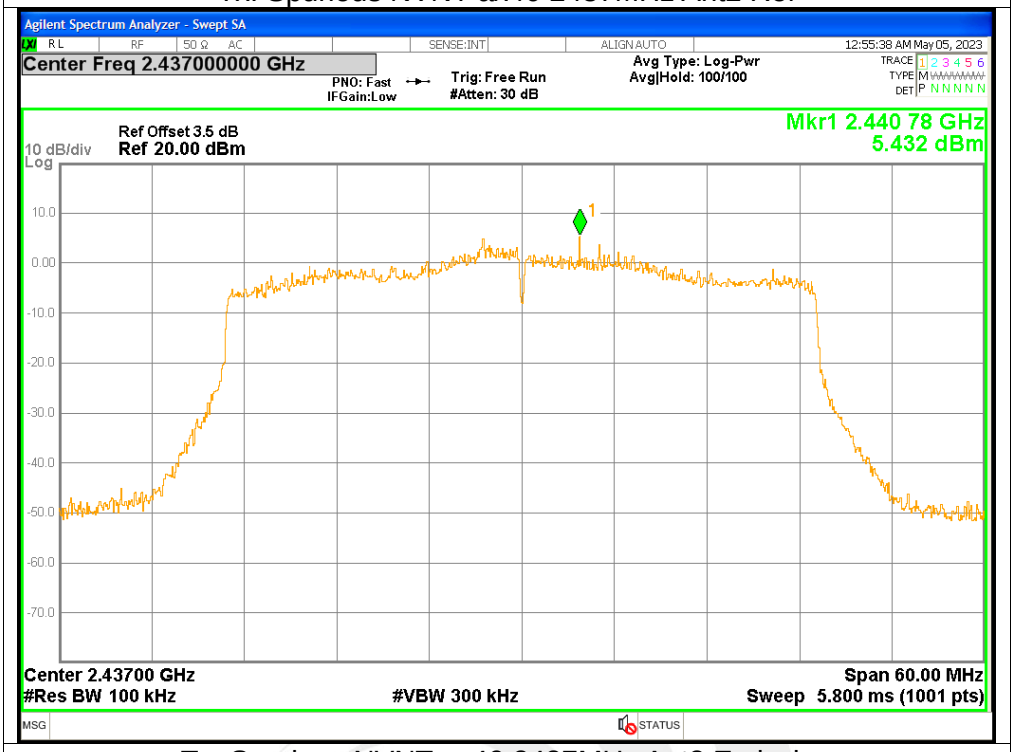
Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



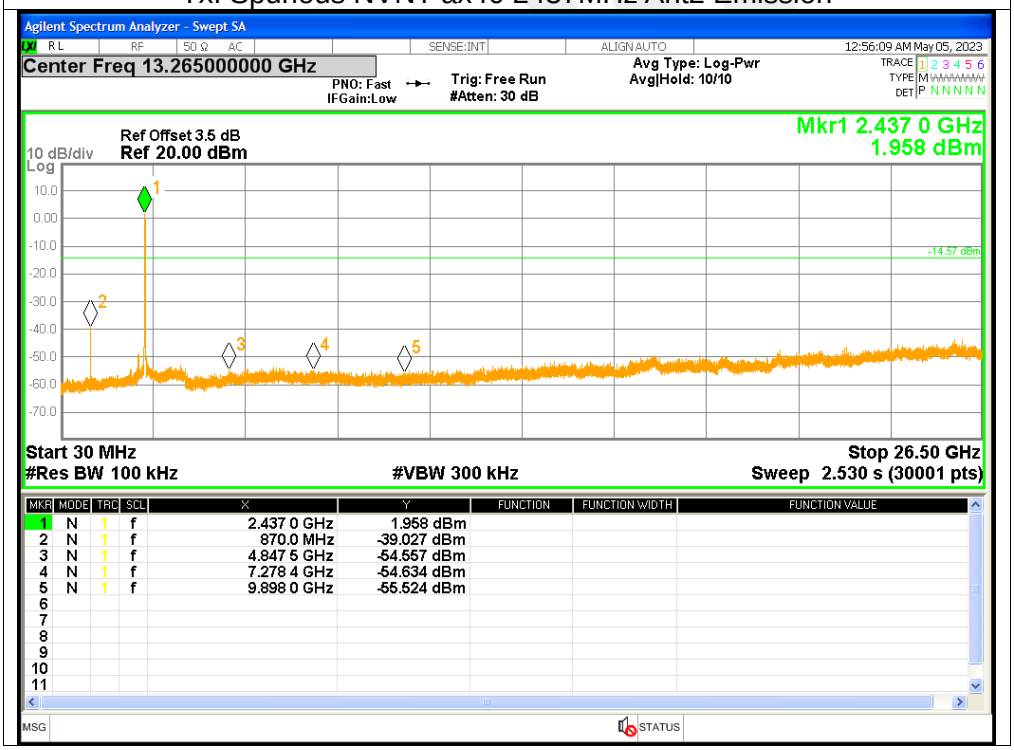
Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



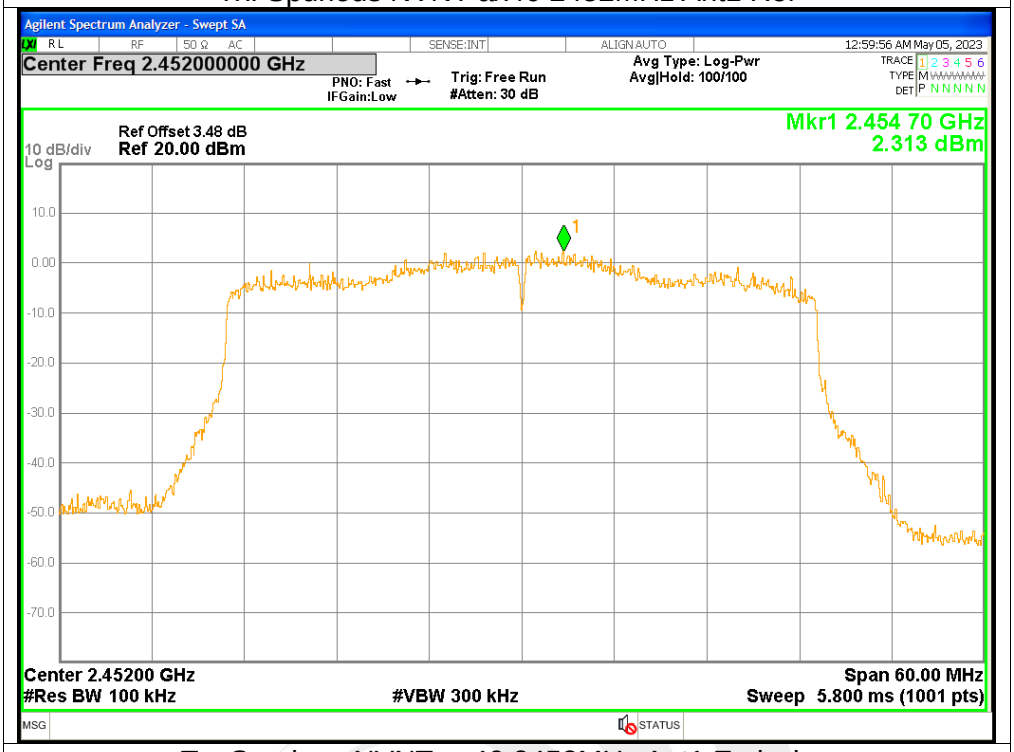
Tx. Spurious NVNT ax40 2437MHz Ant2 Ref



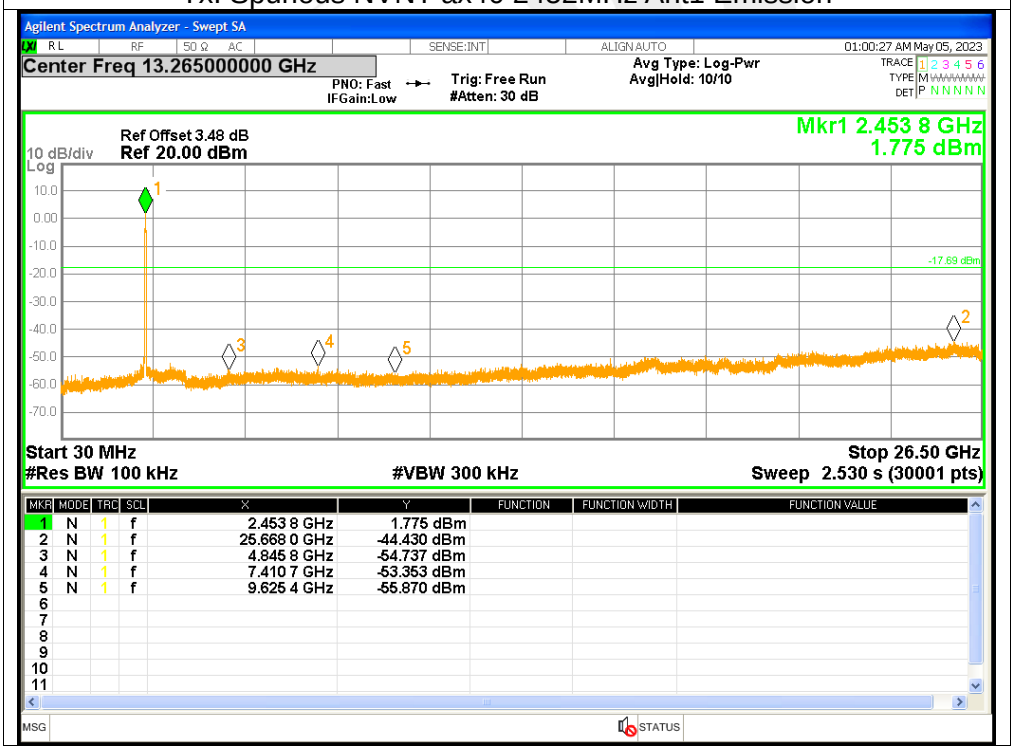
Tx. Spurious NVNT ax40 2437MHz Ant2 Emission



Tx. Spurious NVNT ax40 2452MHz Ant1 Ref

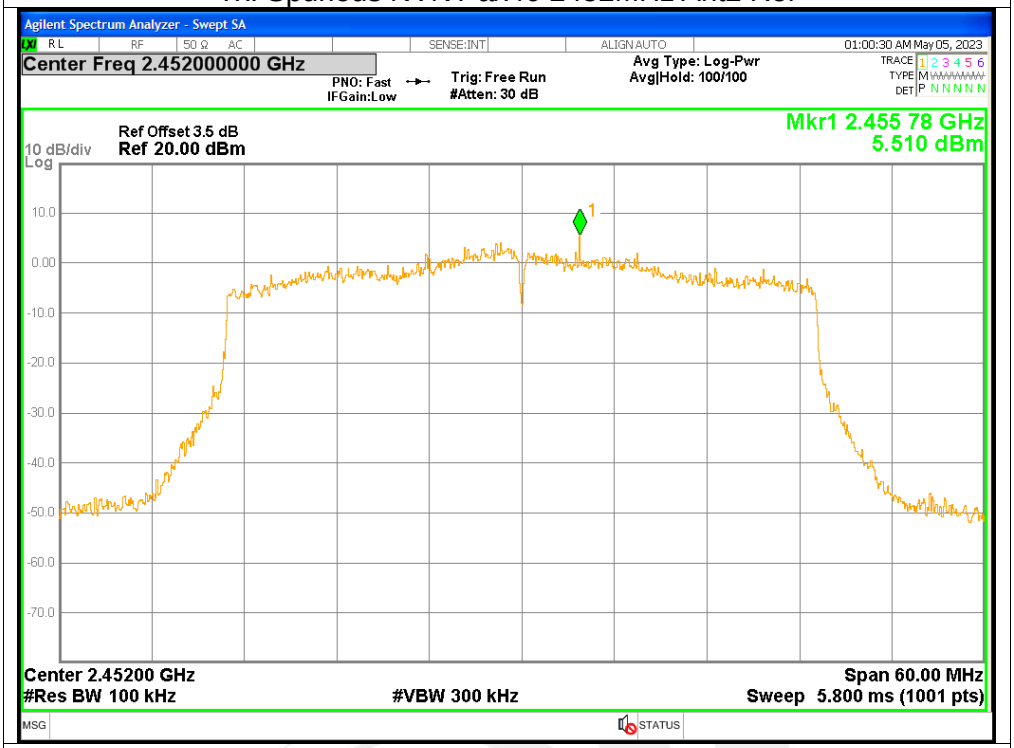


Tx. Spurious NVNT ax40 2452MHz Ant1 Emission

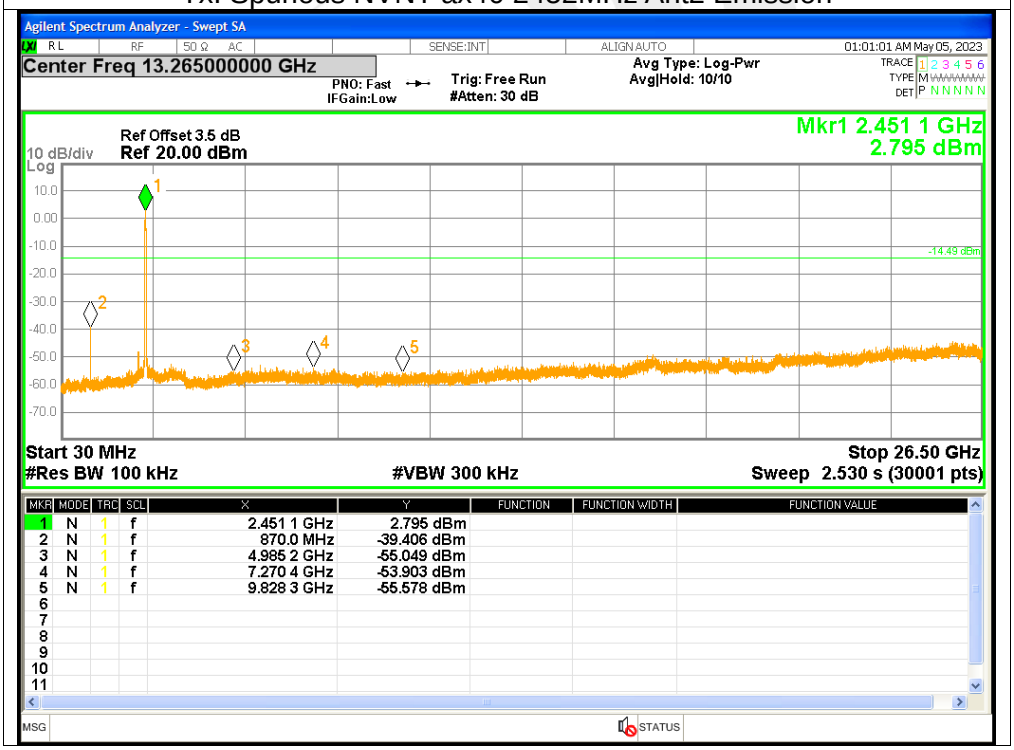


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.453 8 GHz	1.775 dBm			
2	N	1	f	25.668 0 GHz	-44.430 dBm			
3	N	1	f	4.845 8 GHz	-54.737 dBm			
4	N	1	f	7.410 7 GHz	-53.353 dBm			
5	N	1	f	9.625 4 GHz	-55.870 dBm			
6								
7								
8								
9								
10								
11								

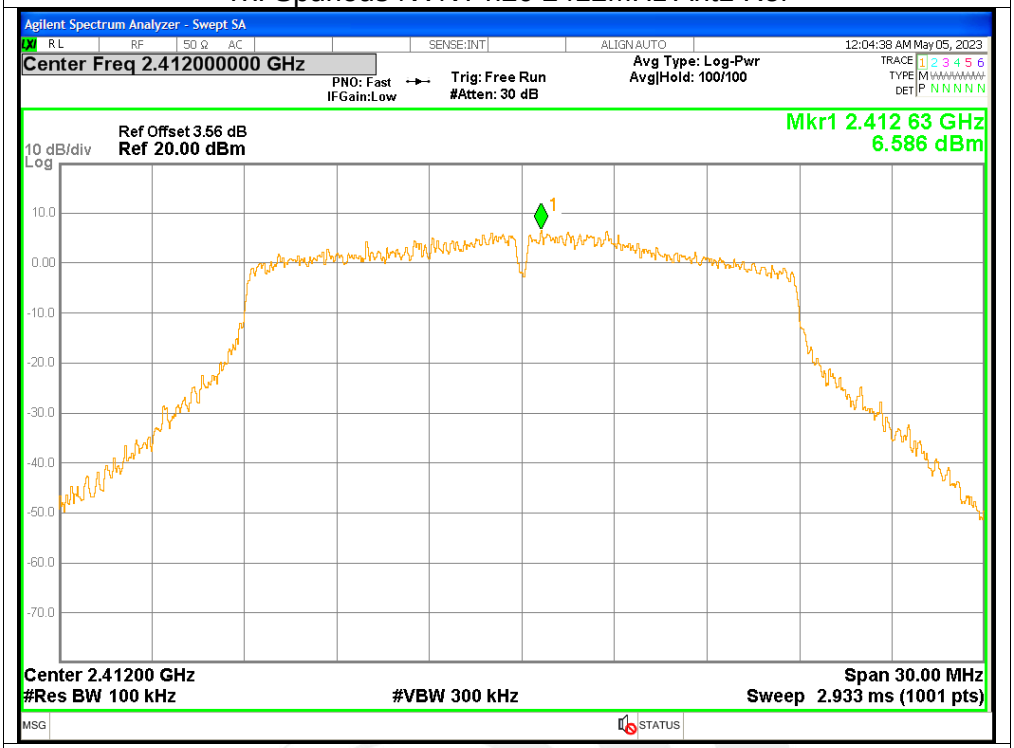
Tx. Spurious NVNT ax40 2452MHz Ant2 Ref



Tx. Spurious NVNT ax40 2452MHz Ant2 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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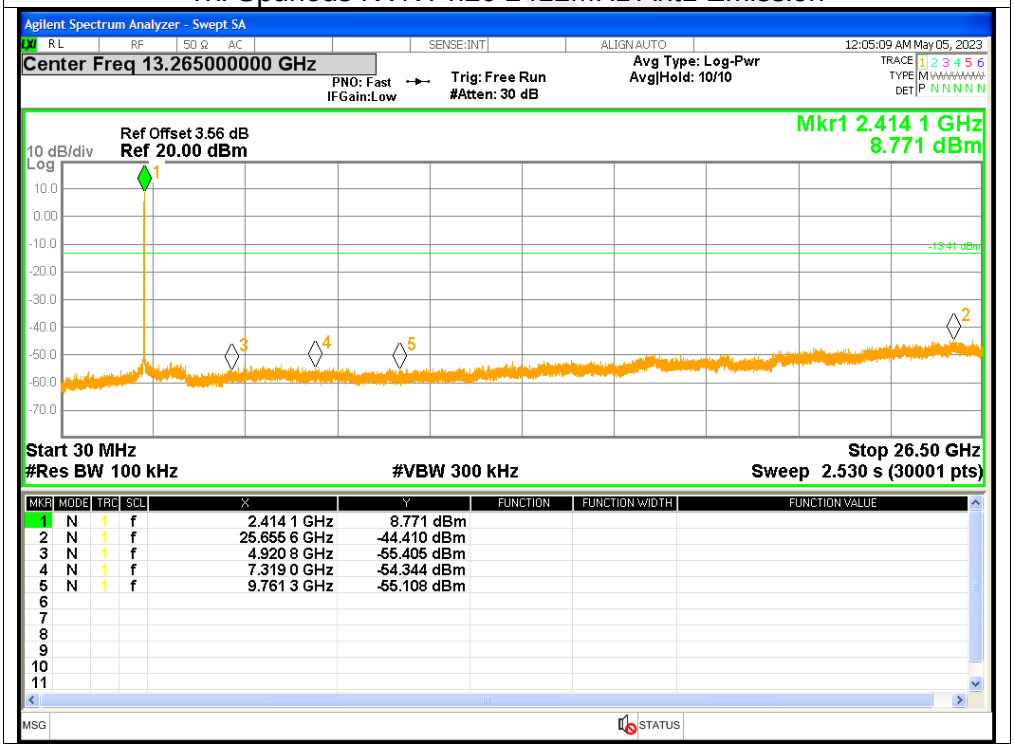

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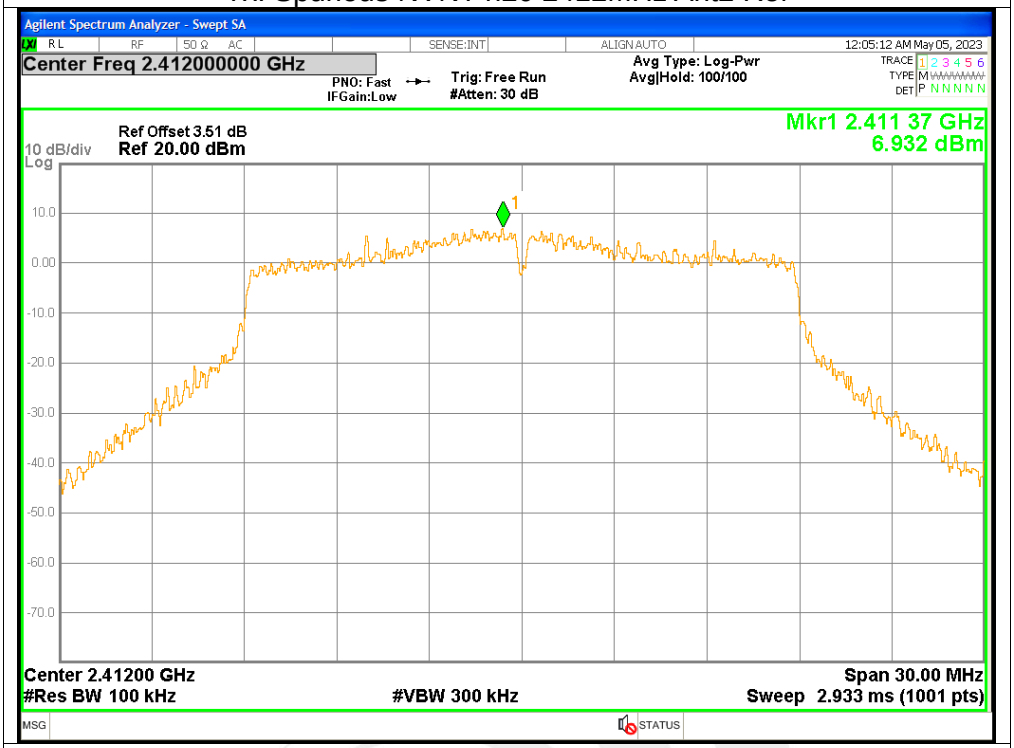
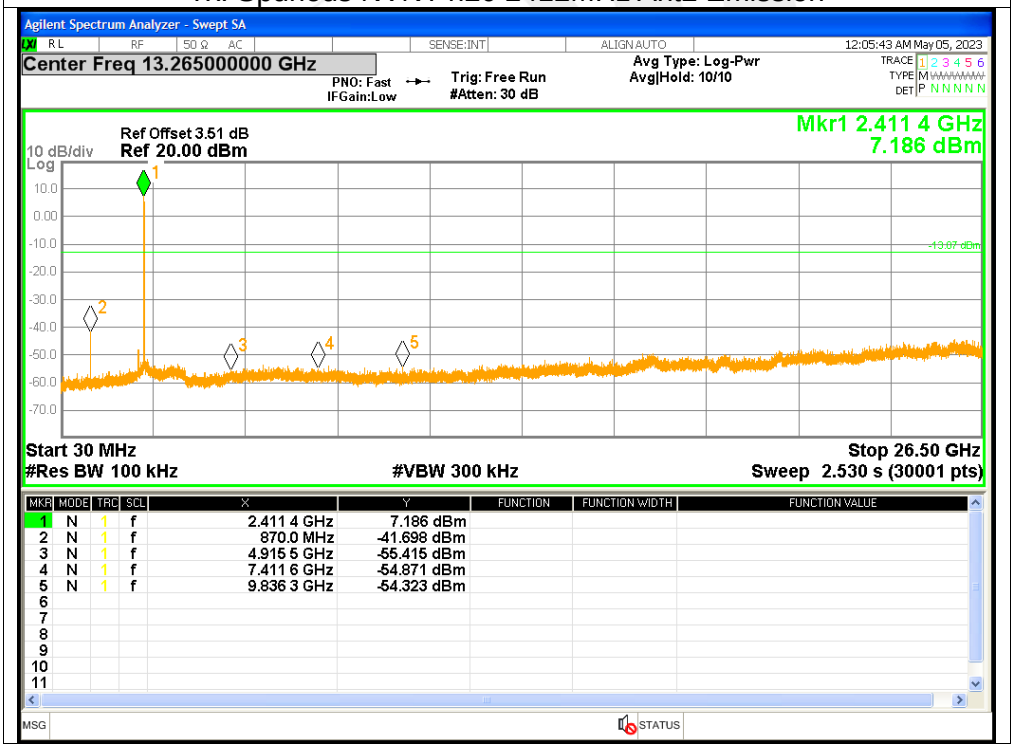


Tx. Spurious NVNT n20 2412MHz Ant2 Emission



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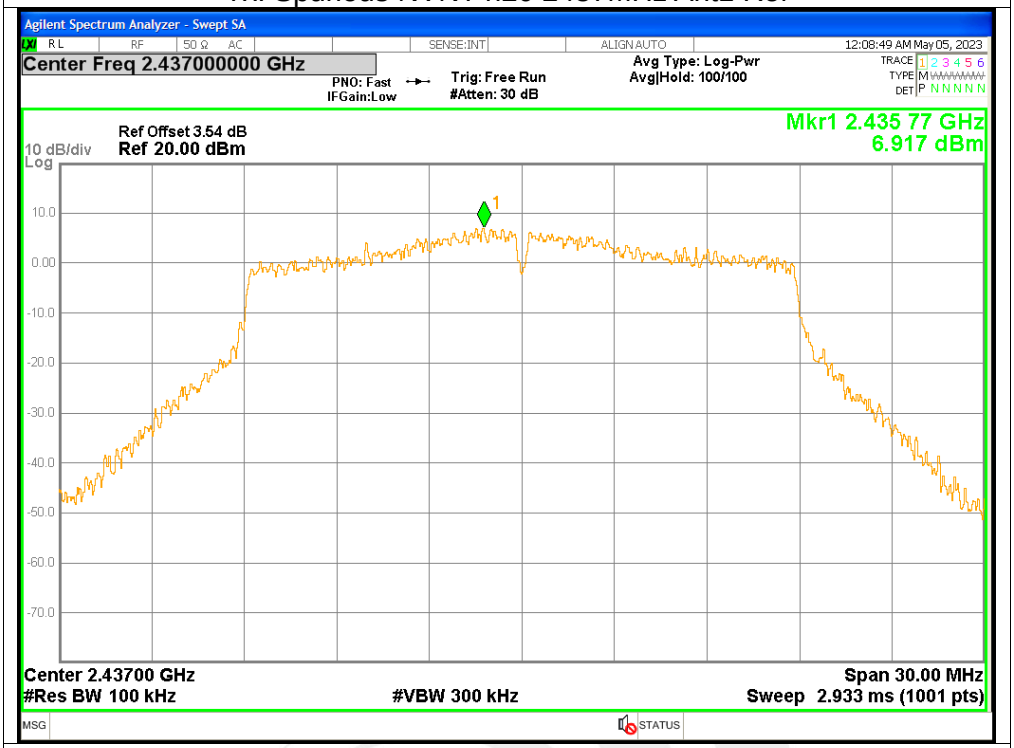

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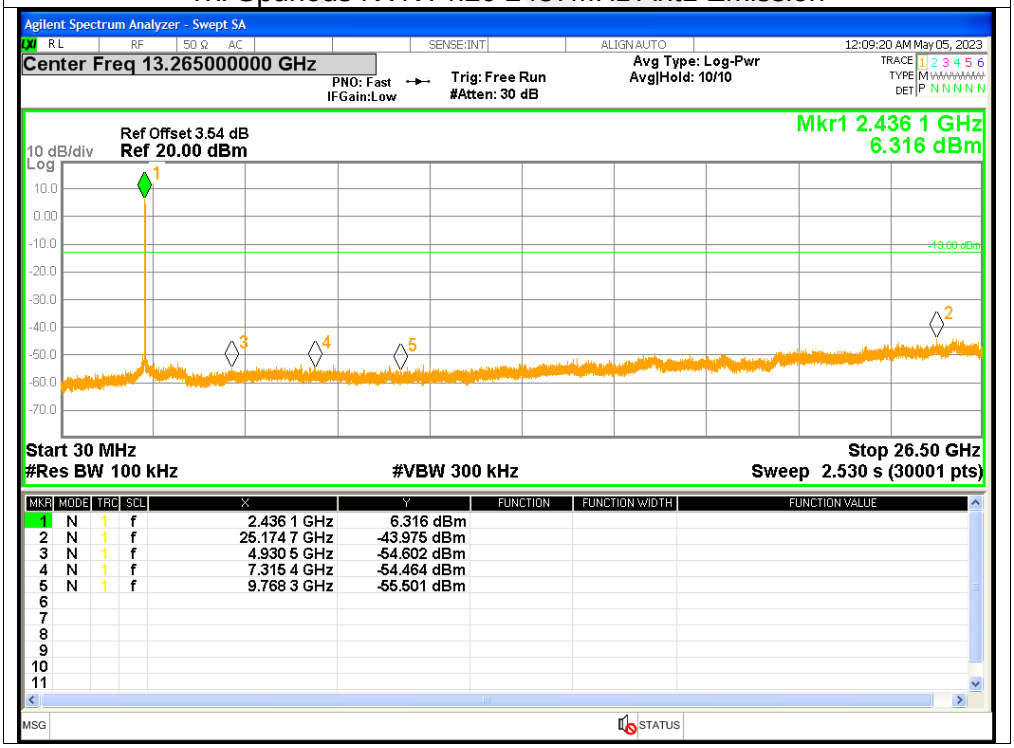

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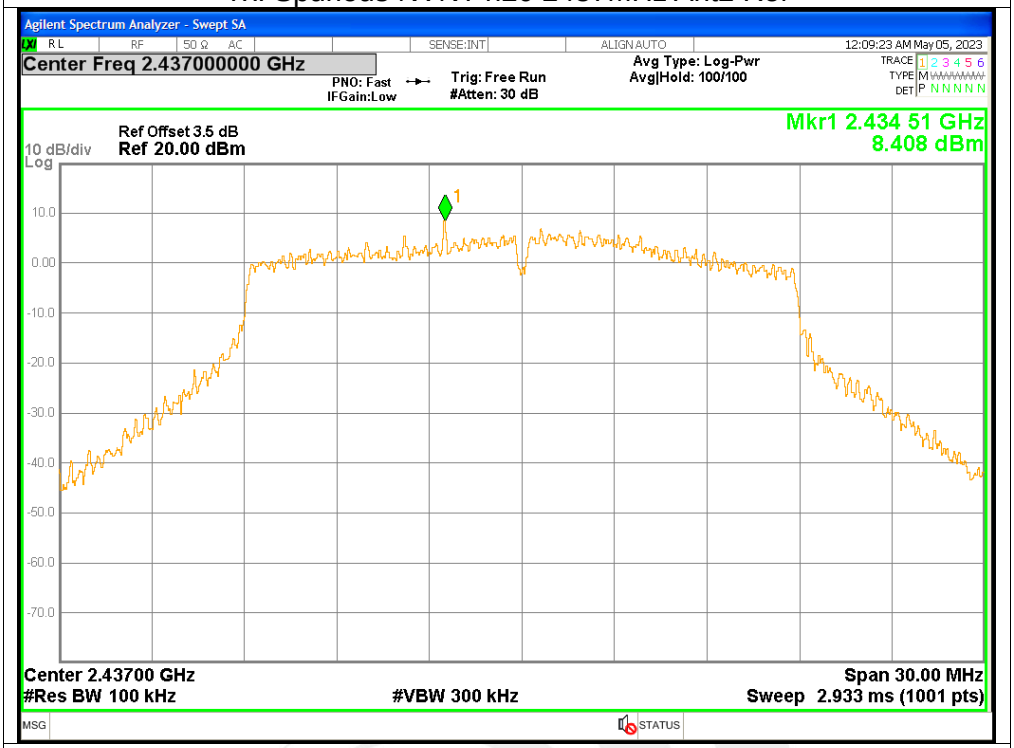
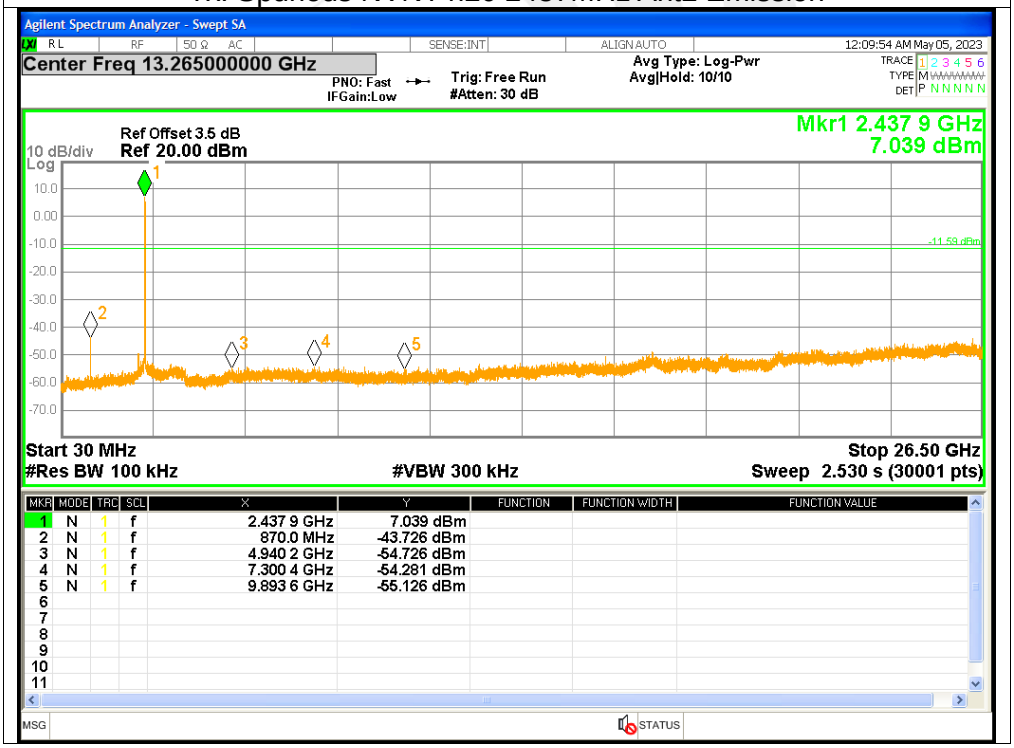


Tx. Spurious NVNT n20 2437MHz Ant2 Emission



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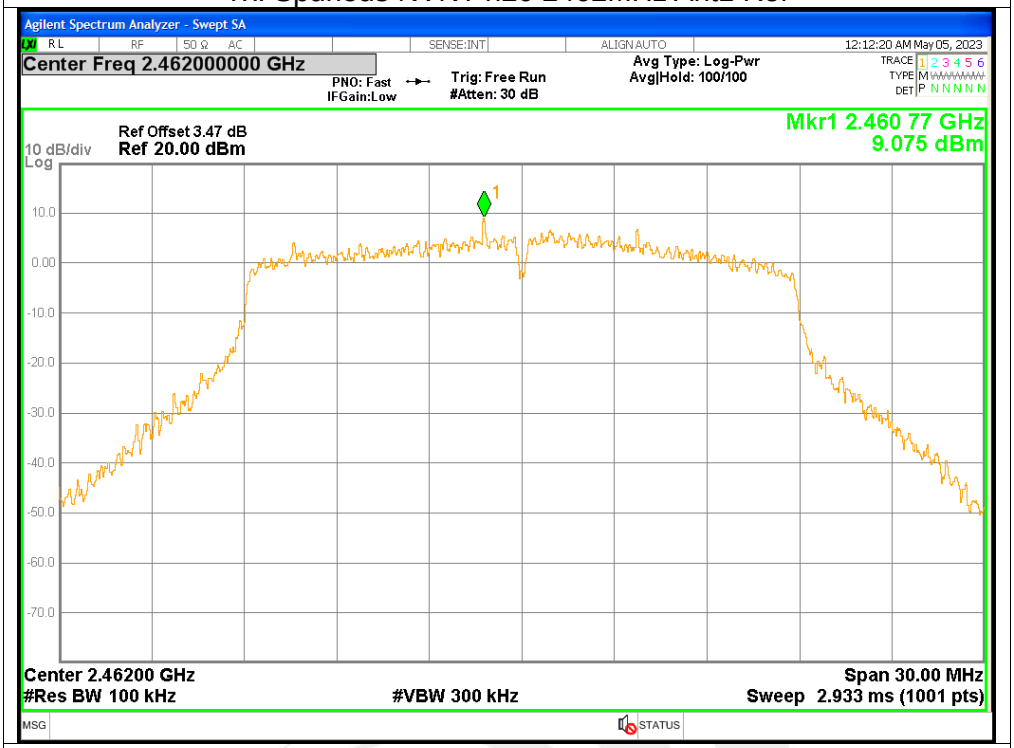
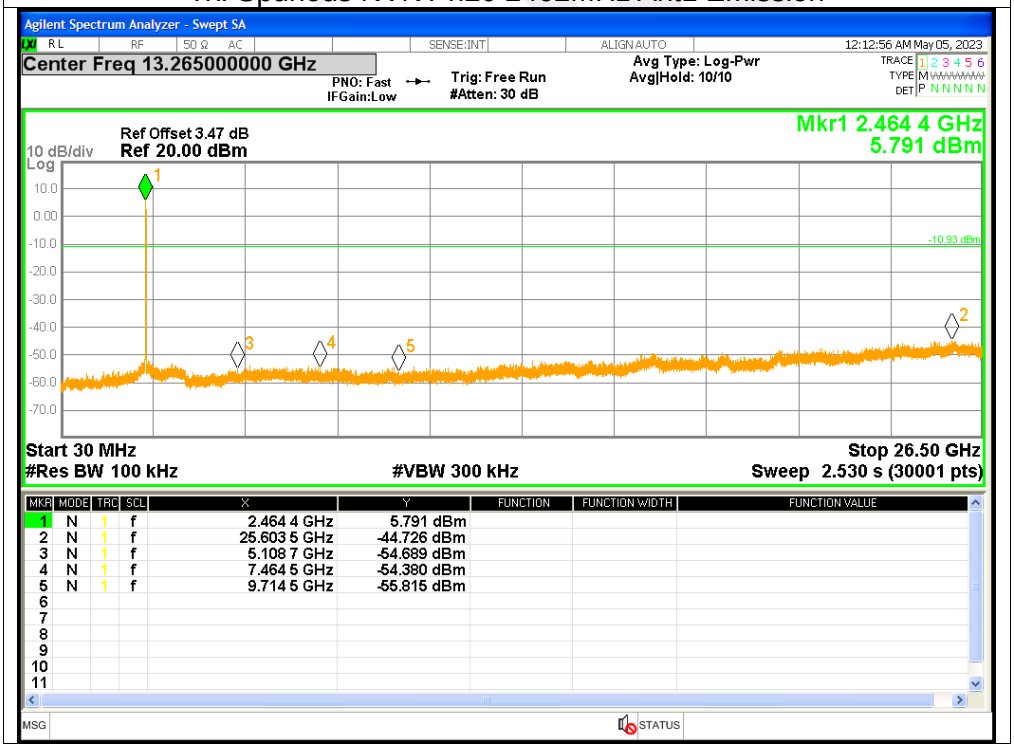


Tx. Spurious NVNT n20 2462MHz Ant1 Emission



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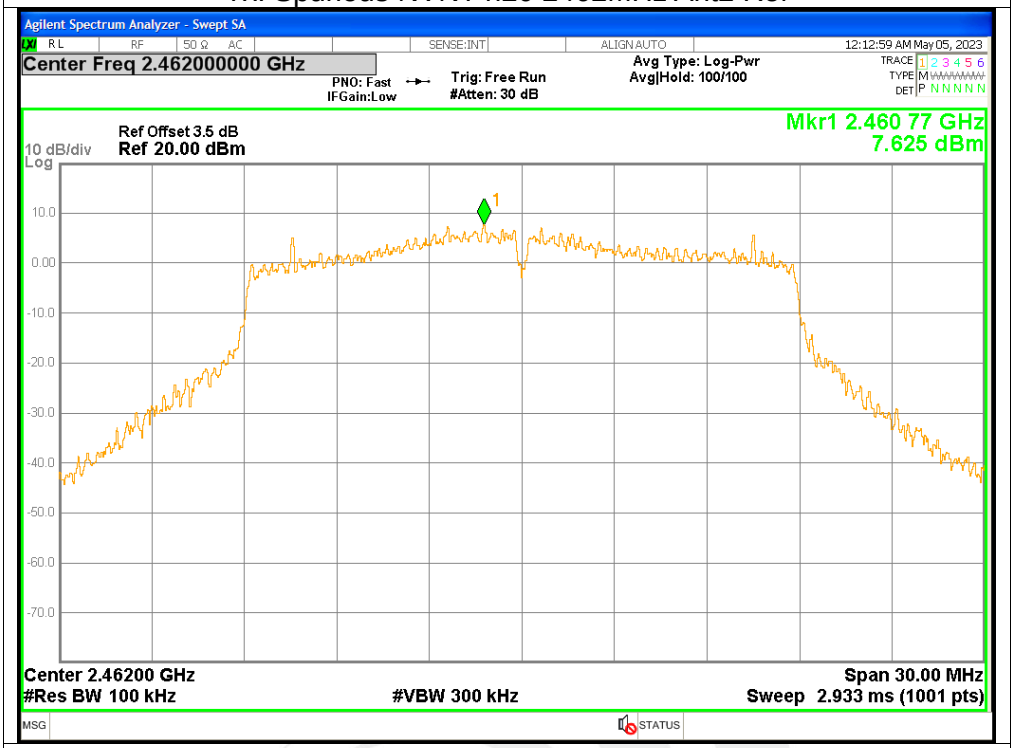

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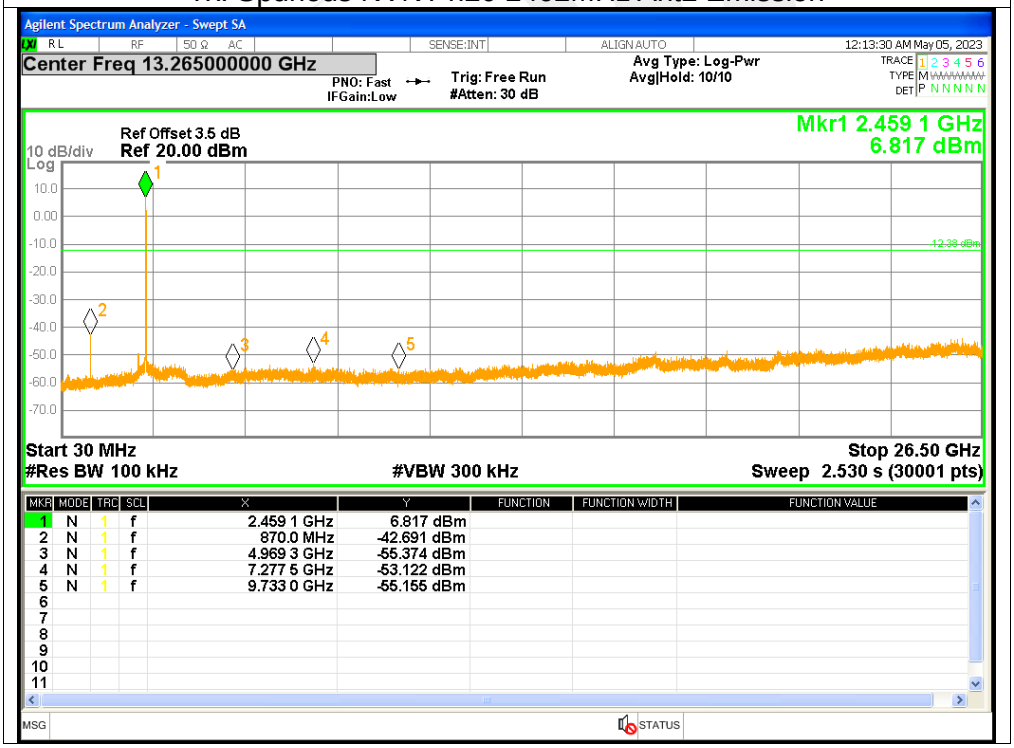
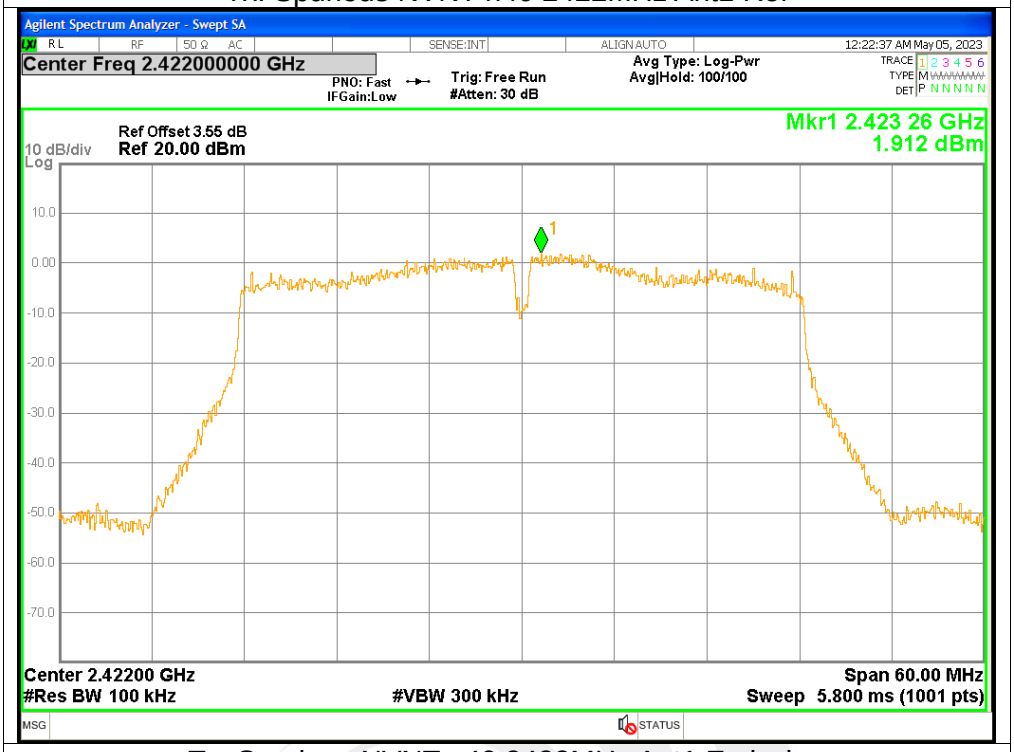
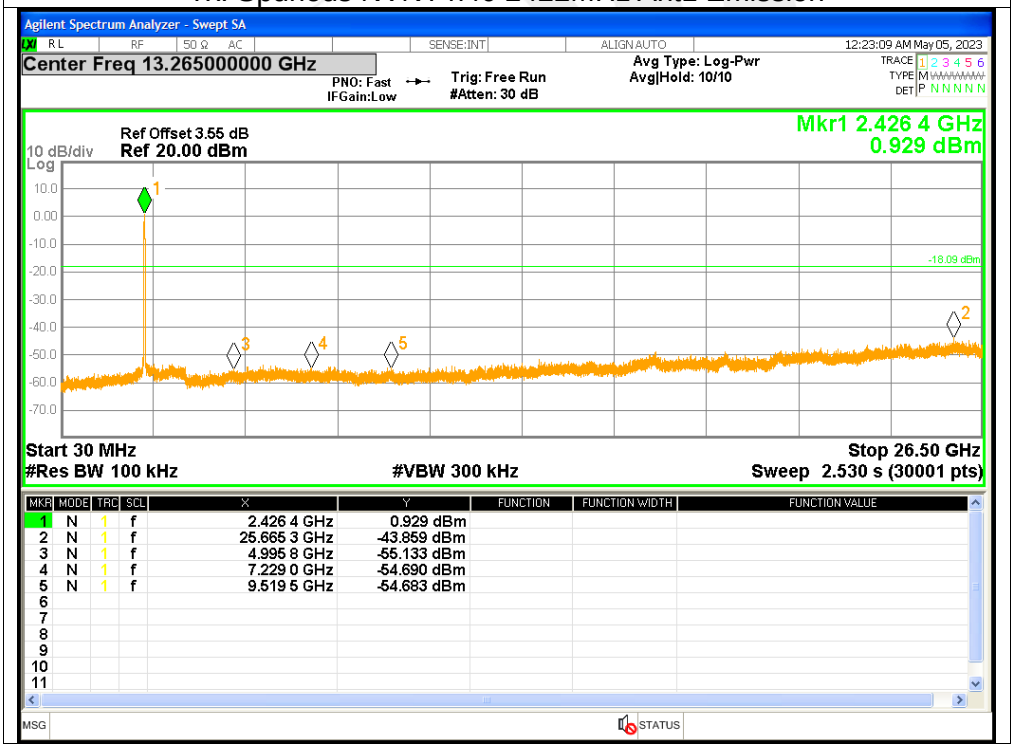


Tx. Spurious NVNT n40 2422MHz Ant1 Ref

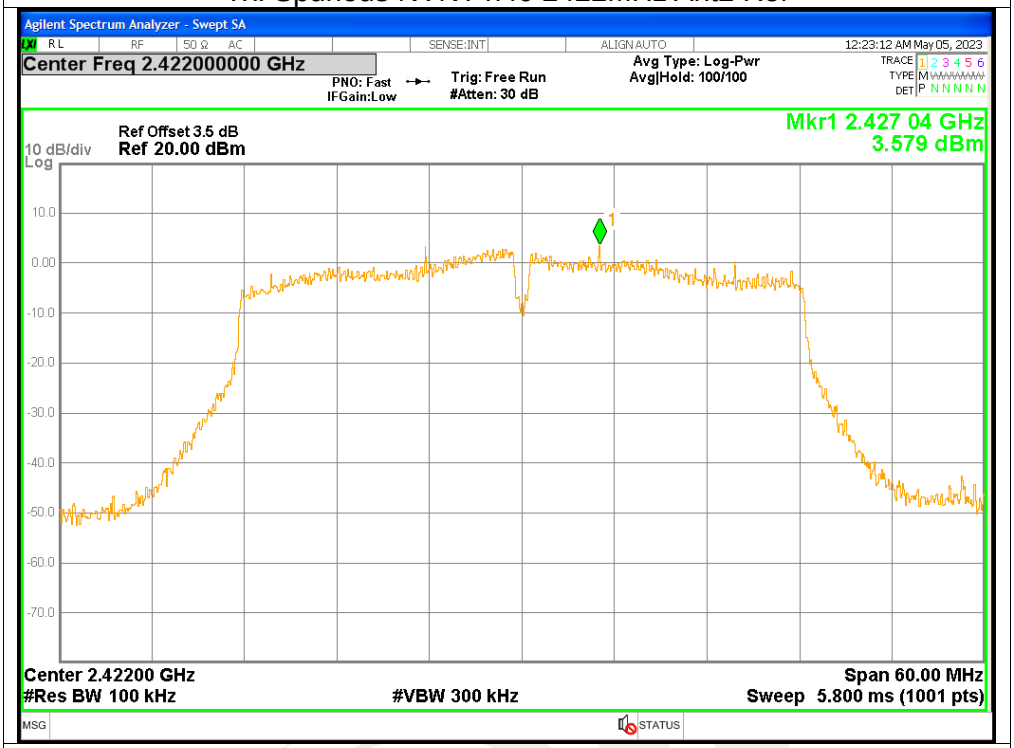


Tx. Spurious NVNT n40 2422MHz Ant1 Emission

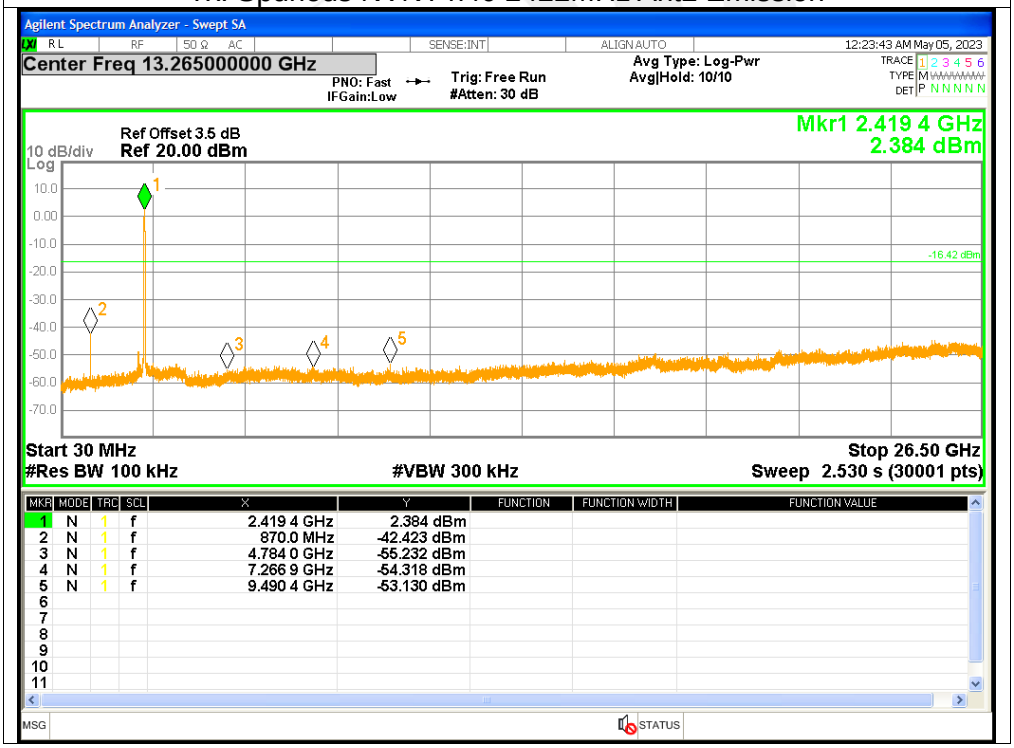


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.426 4 GHz	0.929 dBm			
2	N	1	f	25.665 3 GHz	-43.859 dBm			
3	N	1	f	4.995 8 GHz	-55.133 dBm			
4	N	1	f	7.229 0 GHz	-54.690 dBm			
5	N	1	f	9.519 5 GHz	-54.683 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2422MHz Ant2 Ref



Tx. Spurious NVNT n40 2422MHz Ant2 Emission



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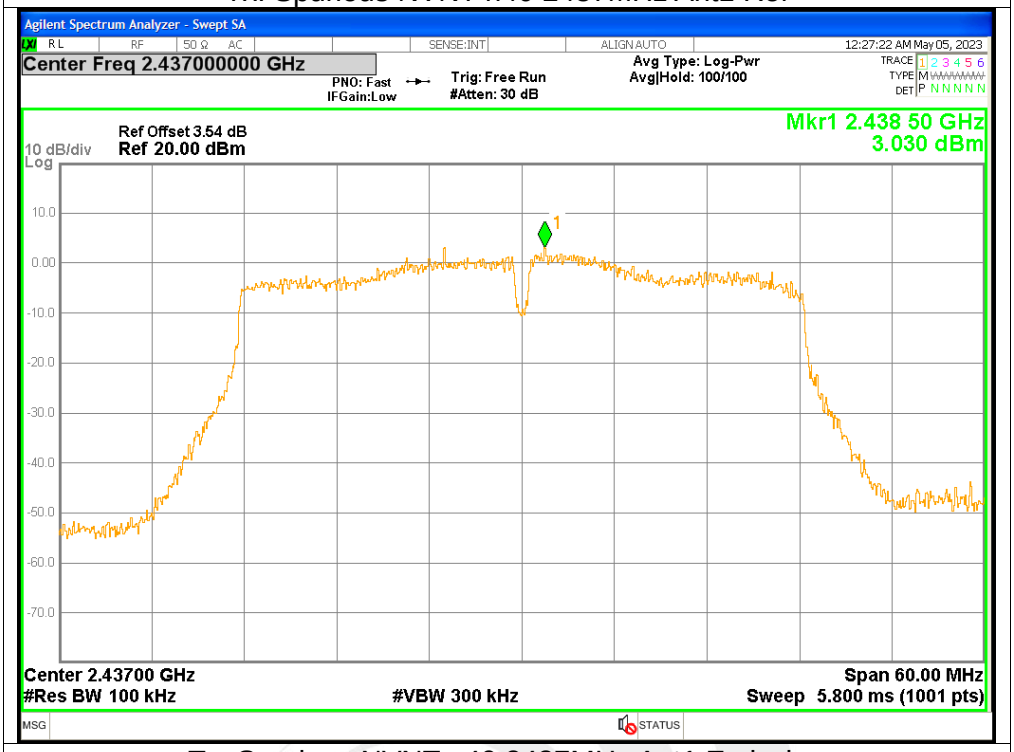
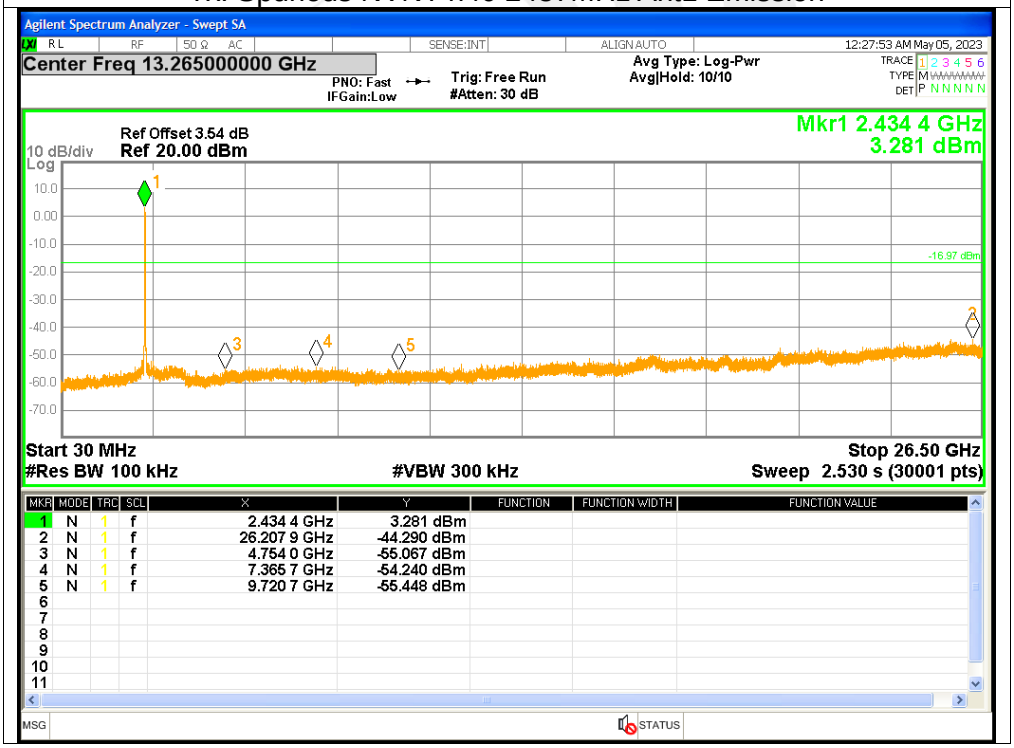


Tx. Spurious NVNT n40 2437MHz Ant1 Emission



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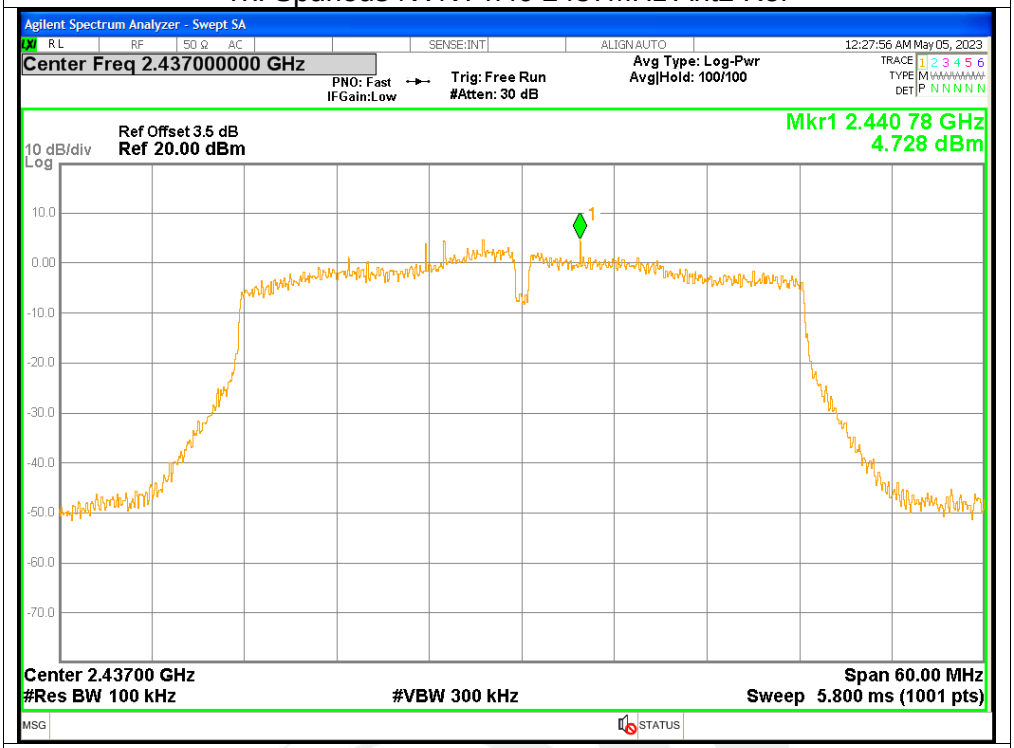
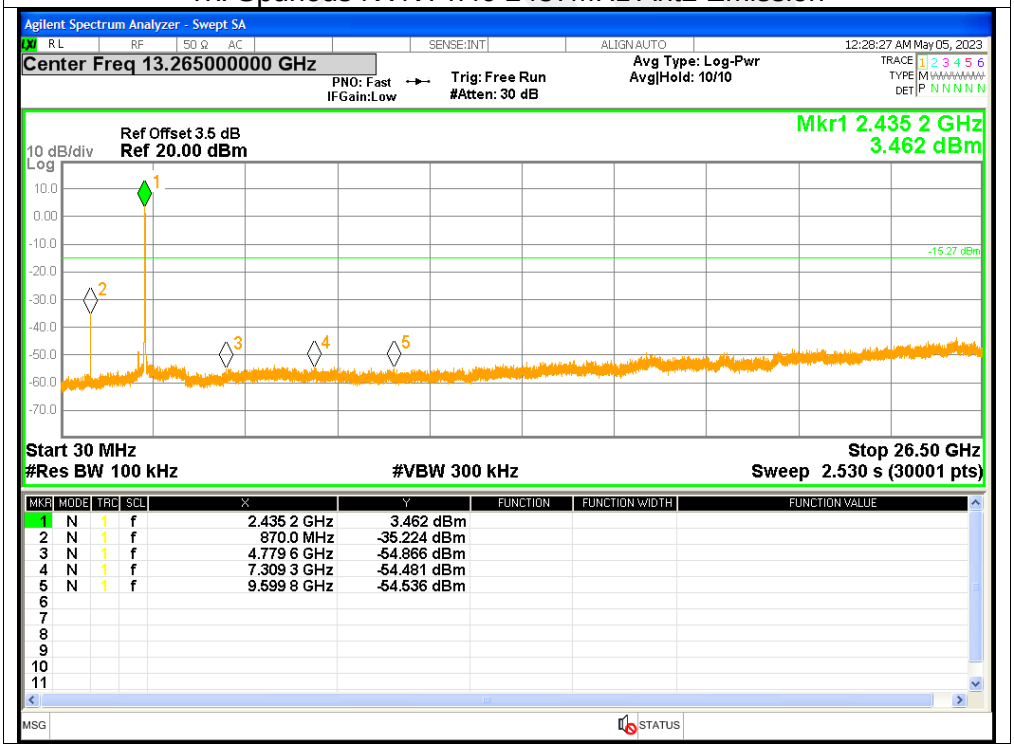


Tx. Spurious NVNT n40 2437MHz Ant2 Emission



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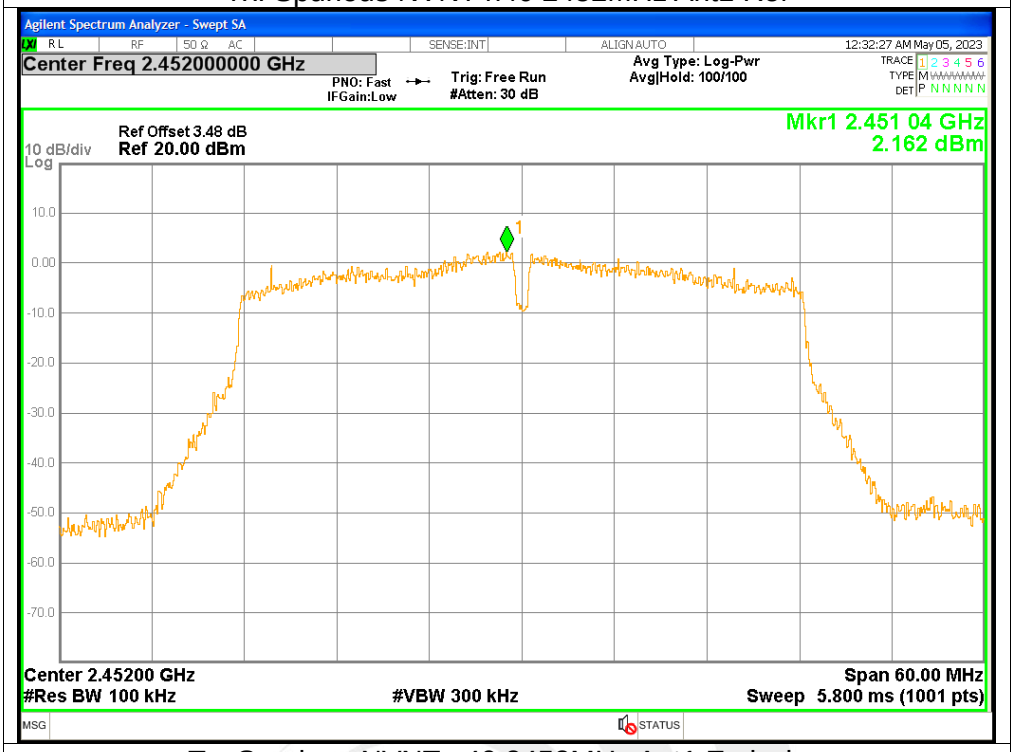

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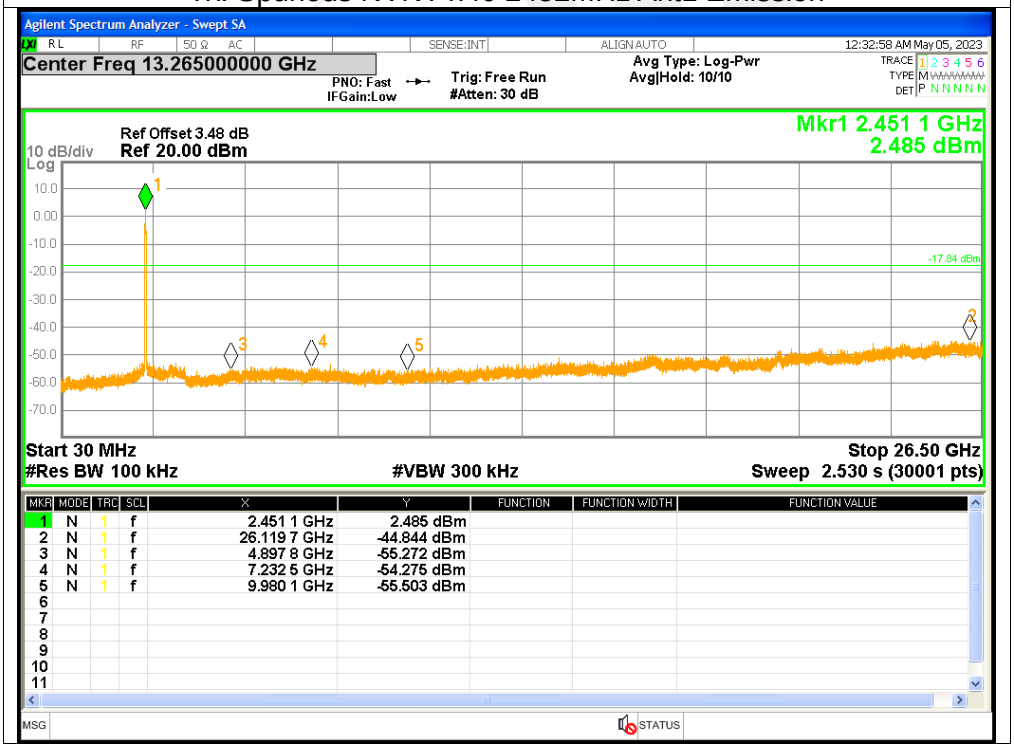

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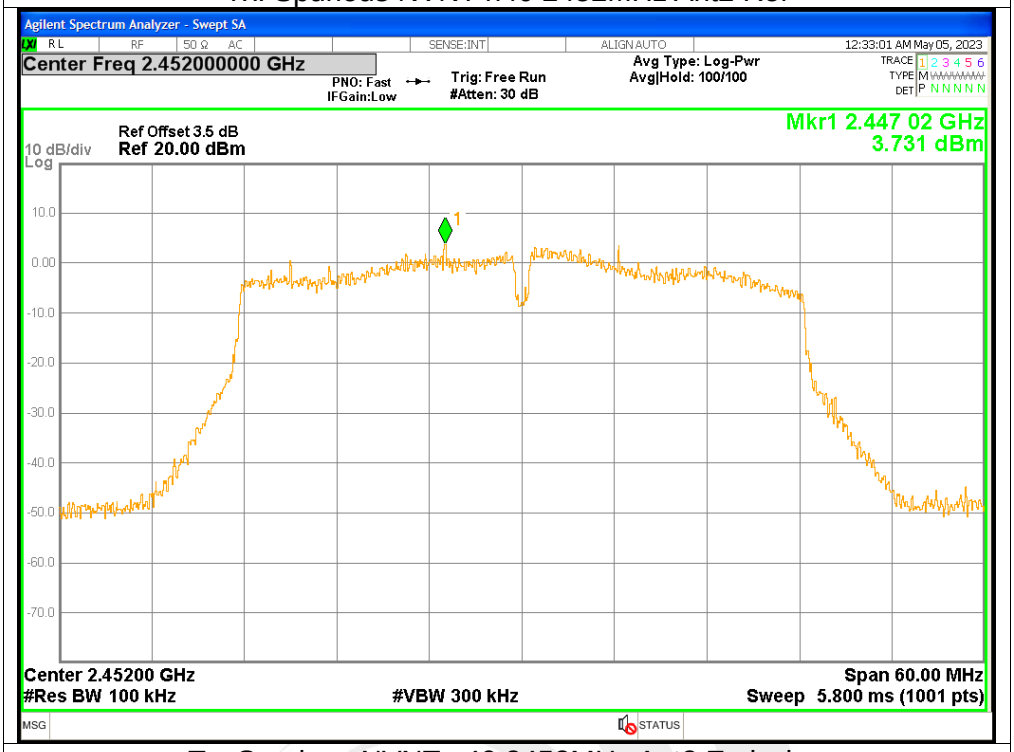
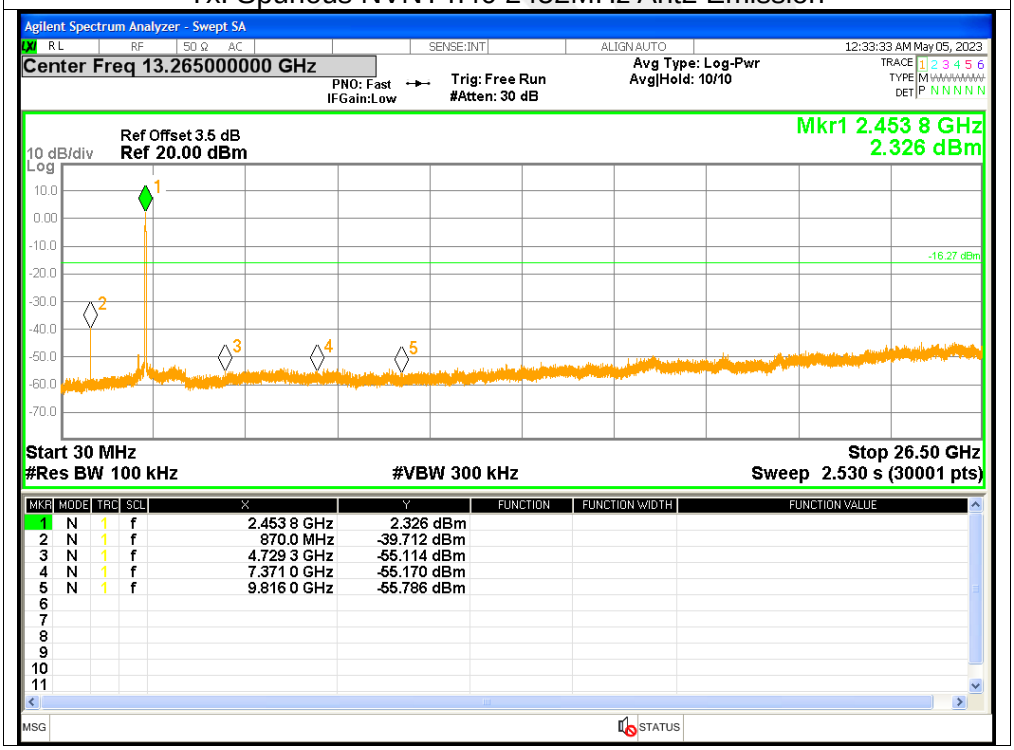


Tx. Spurious NVNT n40 2452MHz Ant2 Emission



APPENDIX 2-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※