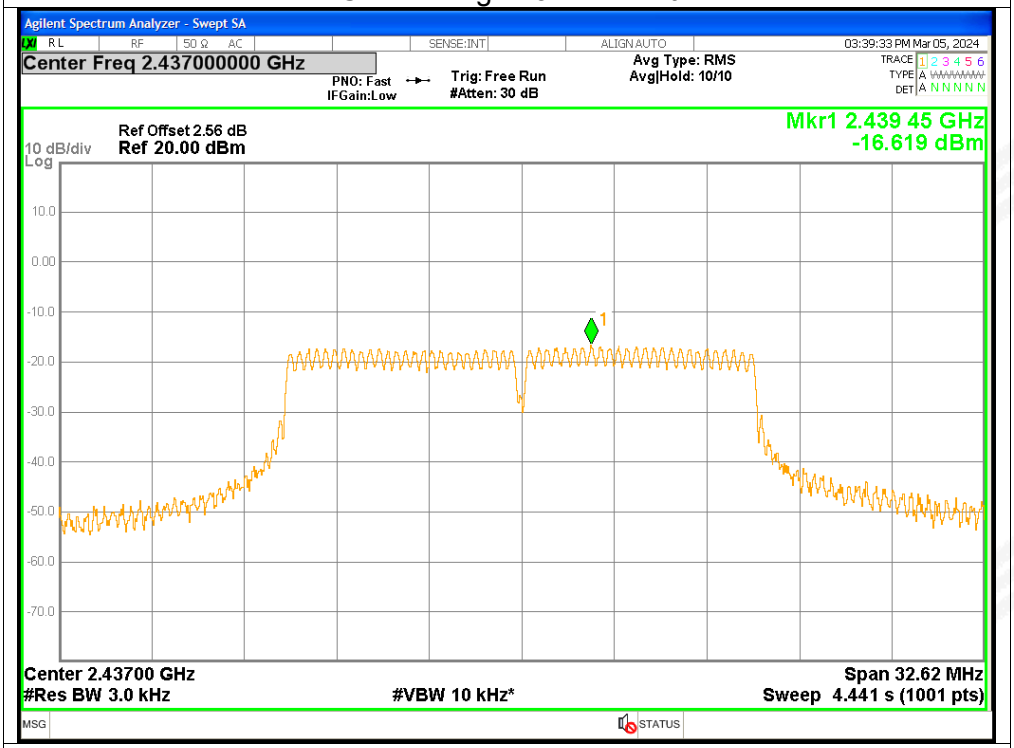
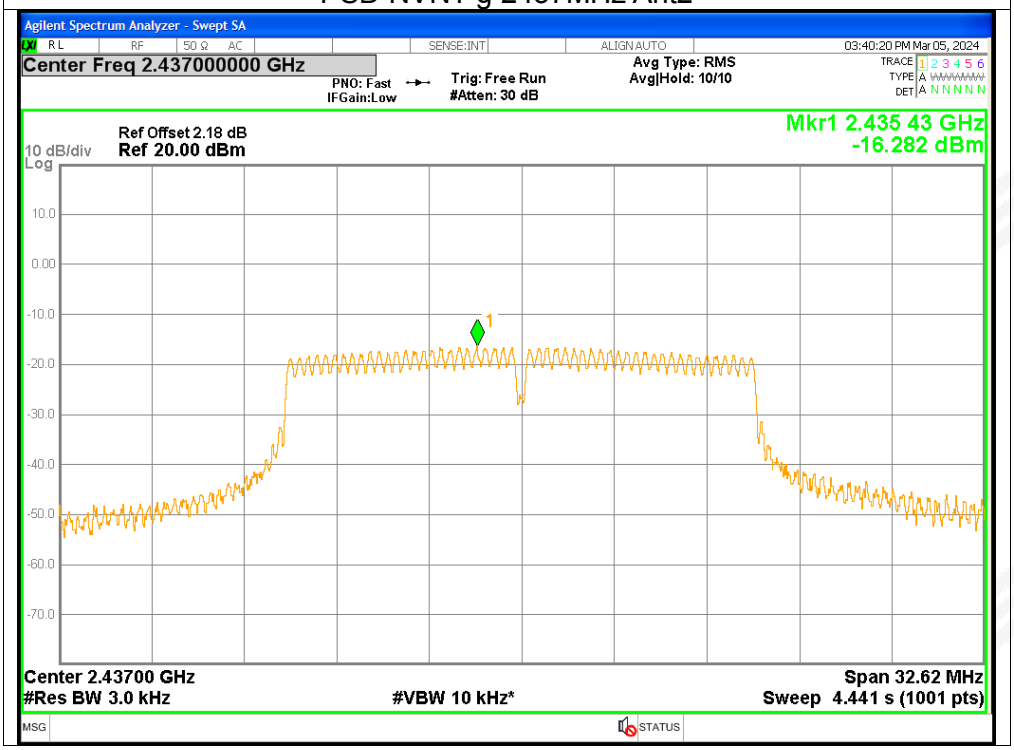
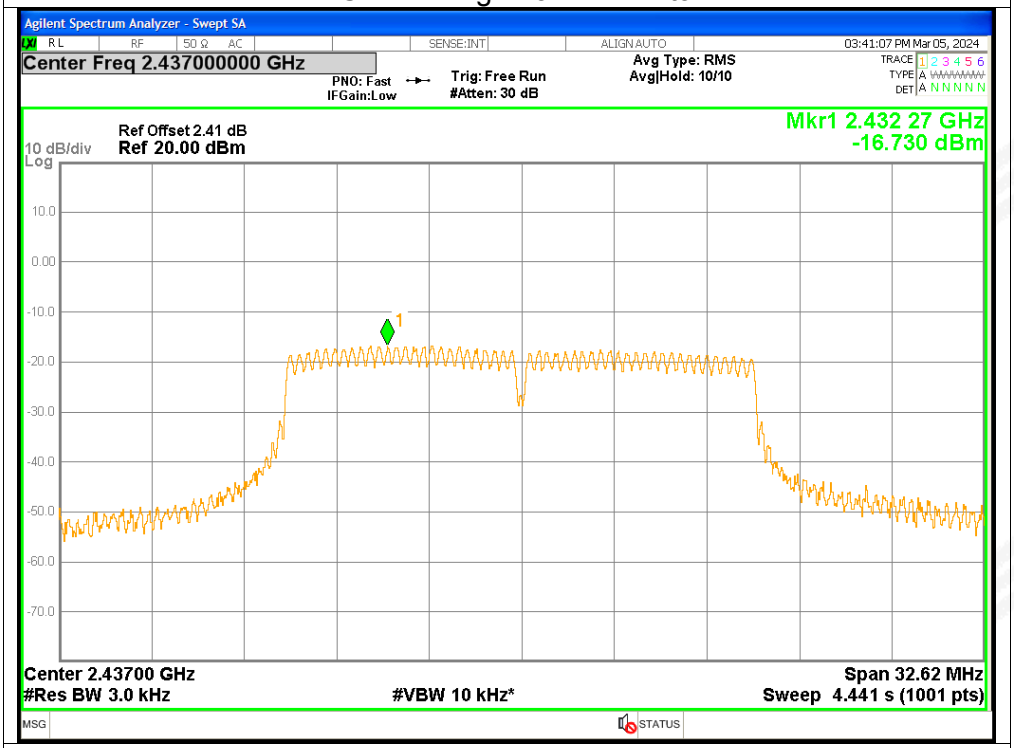
PSD NVNT g 2437MHz Ant1



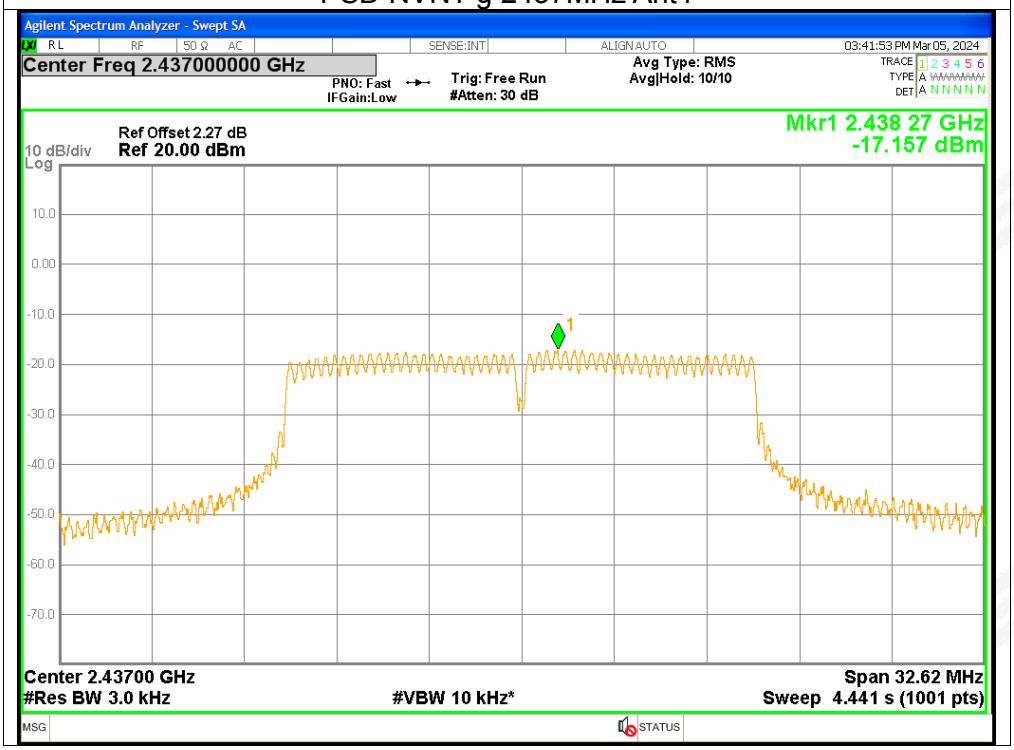
PSD NVNT g 2437MHz Ant2



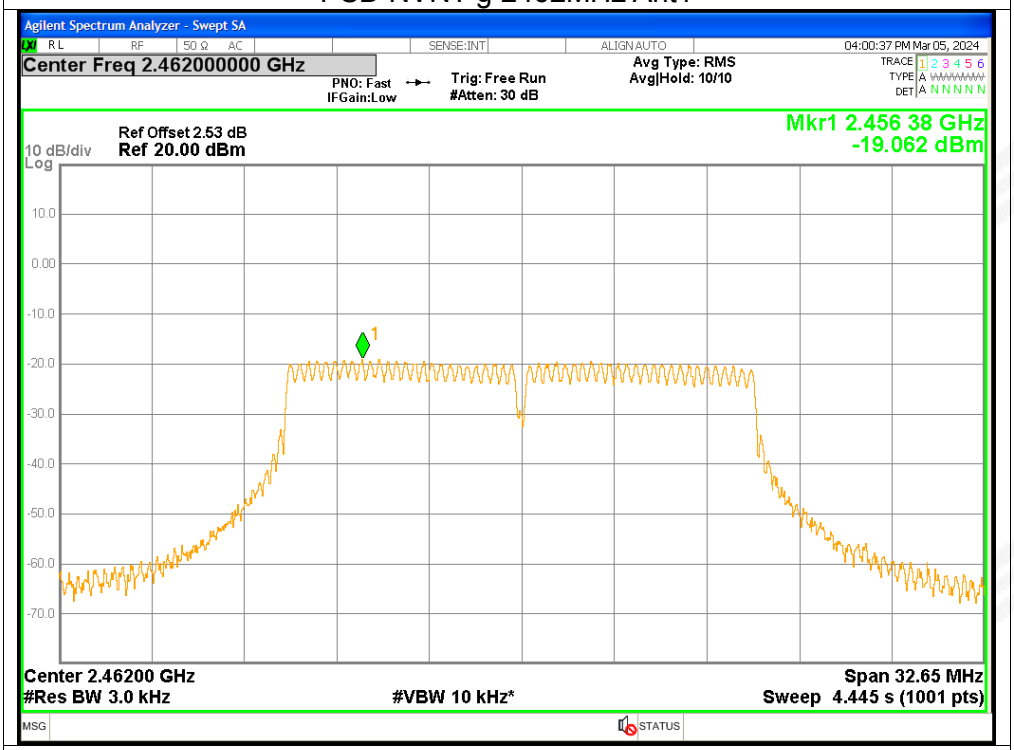
PSD NVNT g 2437MHz Ant3



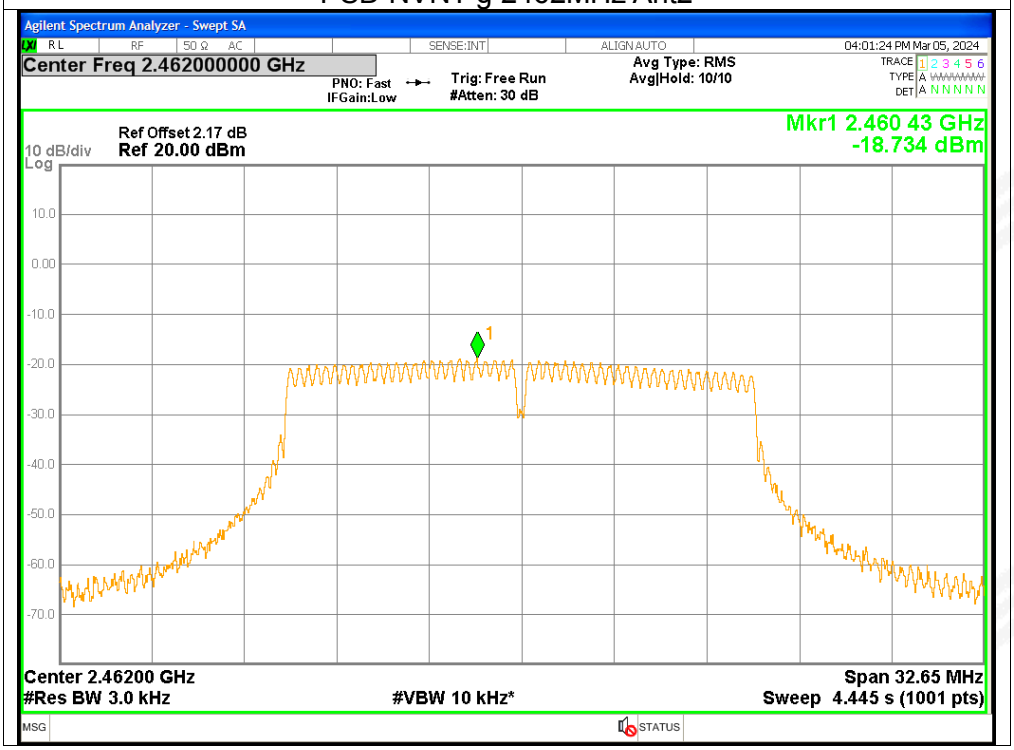
PSD NVNT g 2437MHz Ant4



PSD NVNT g 2462MHz Ant1



PSD NVNT g 2462MHz Ant2



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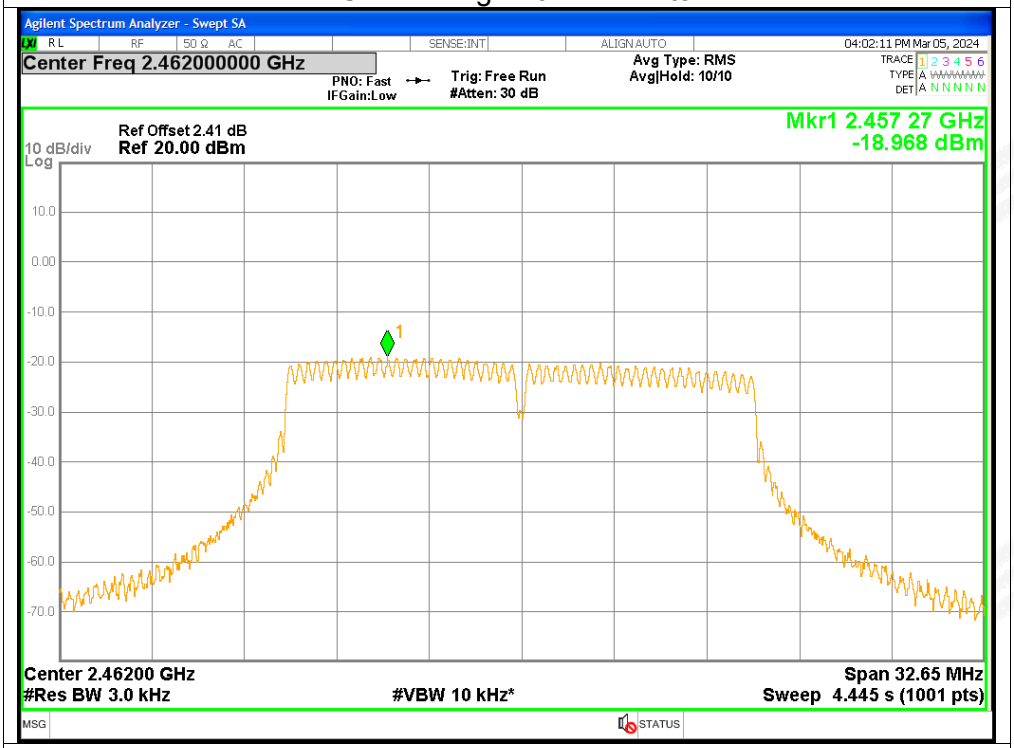

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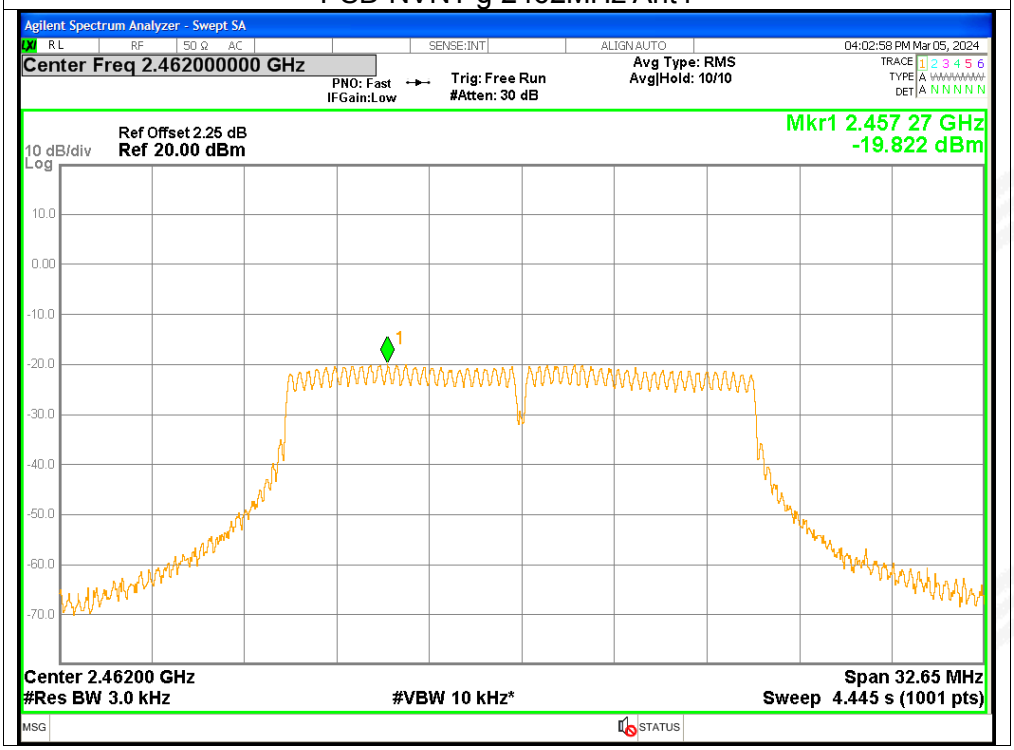
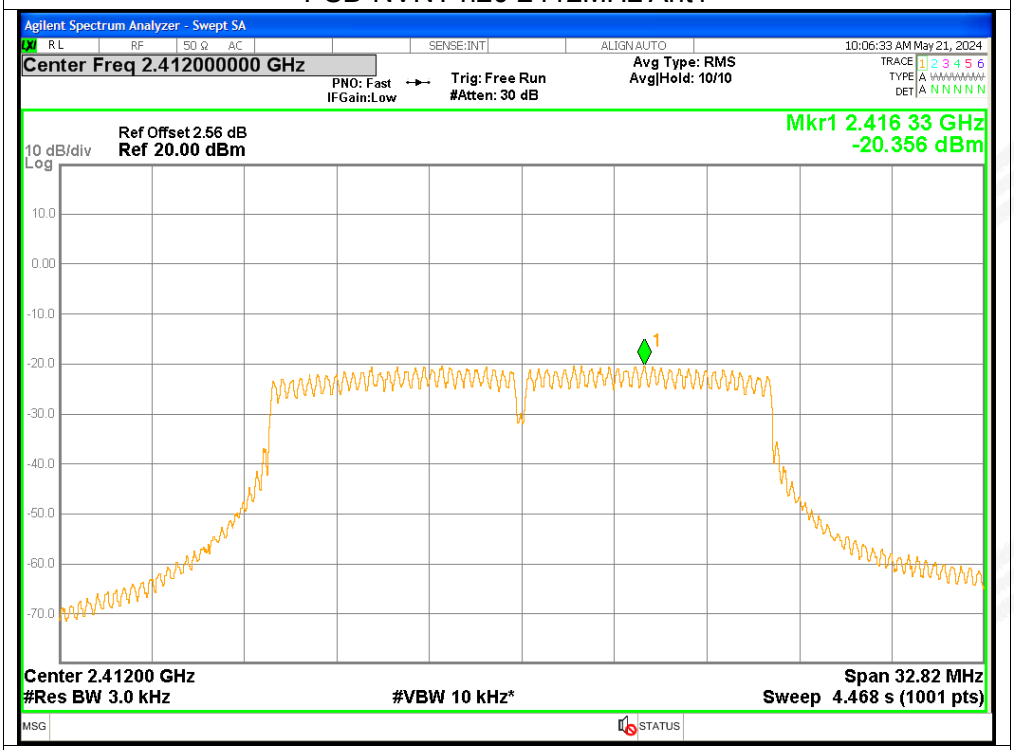
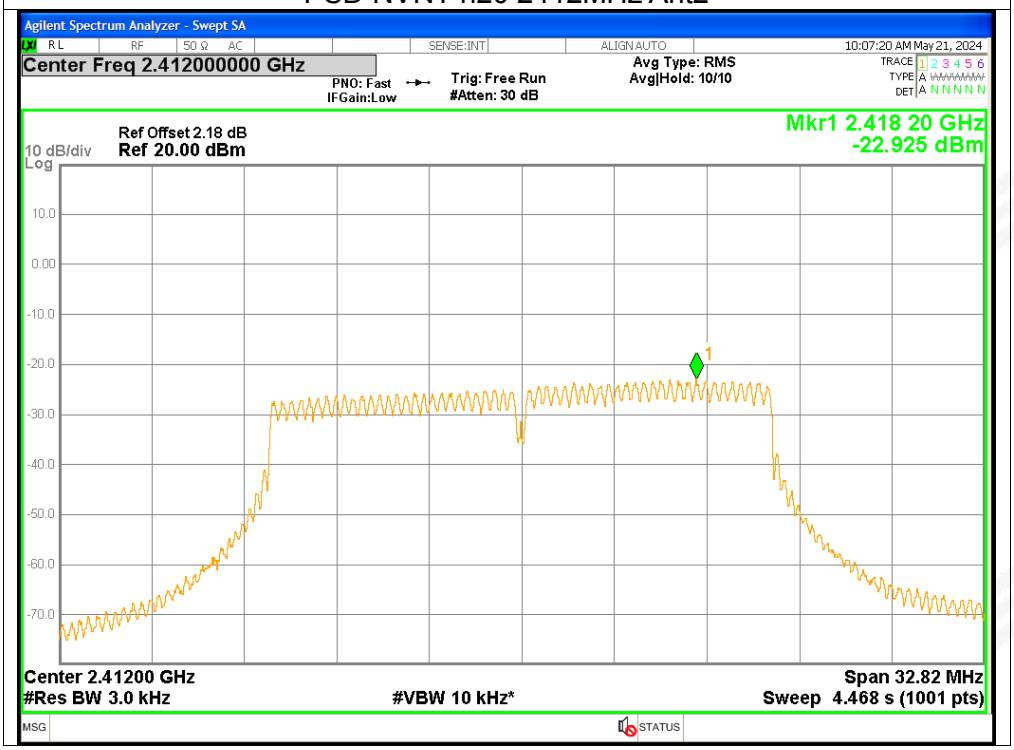


PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2412MHz Ant2



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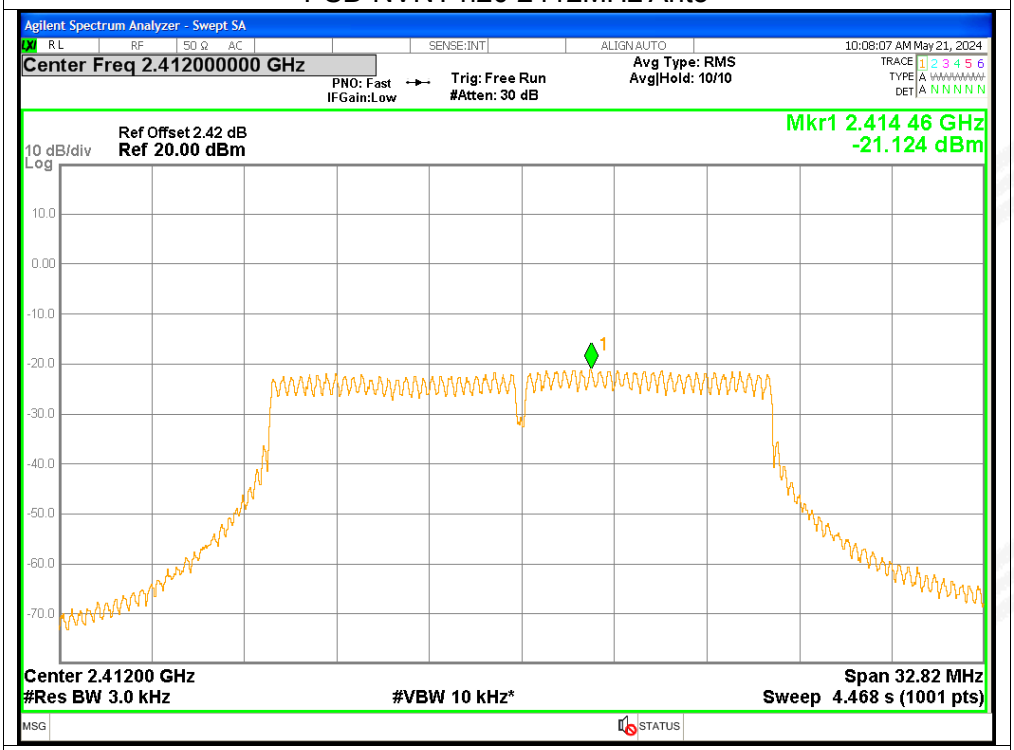

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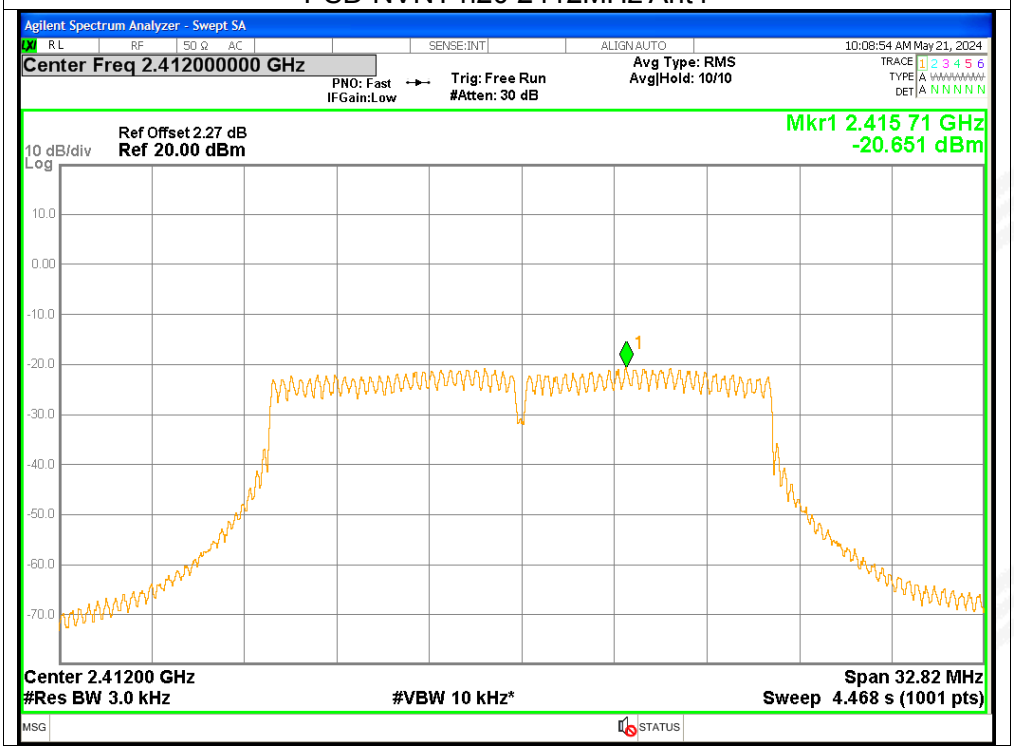
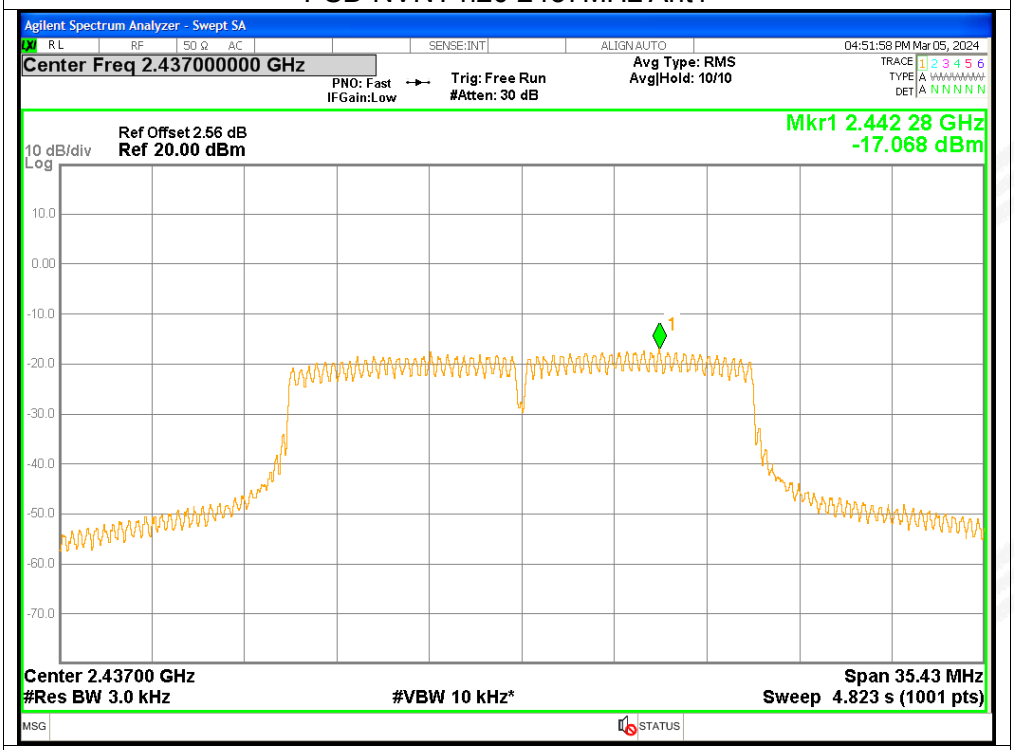
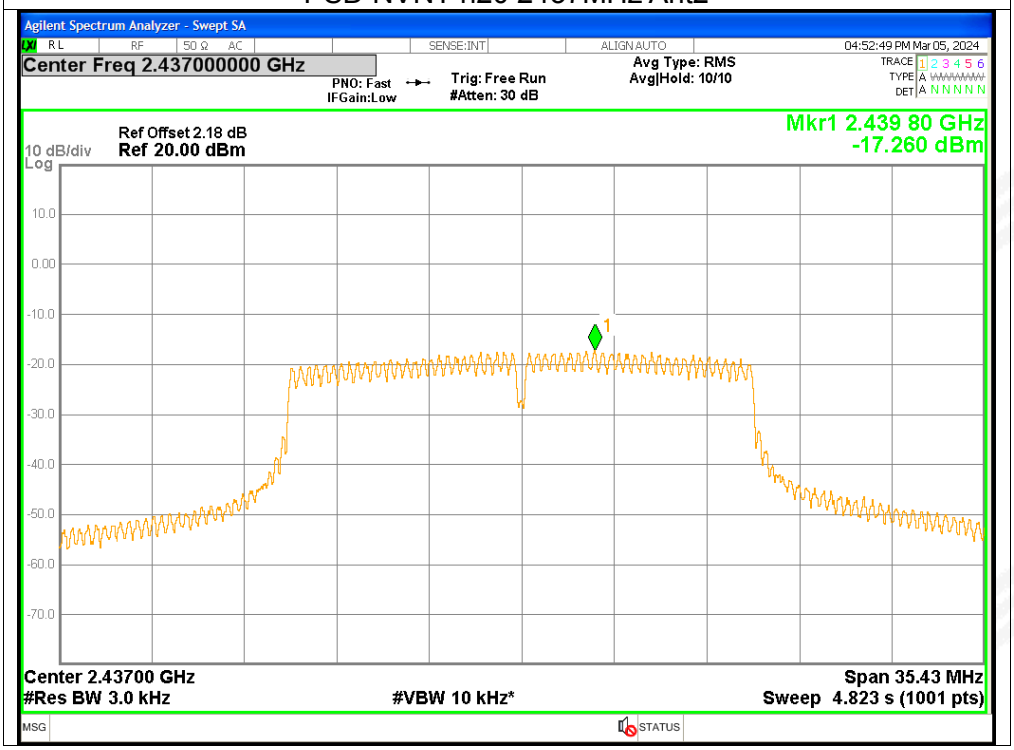


PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2437MHz Ant2



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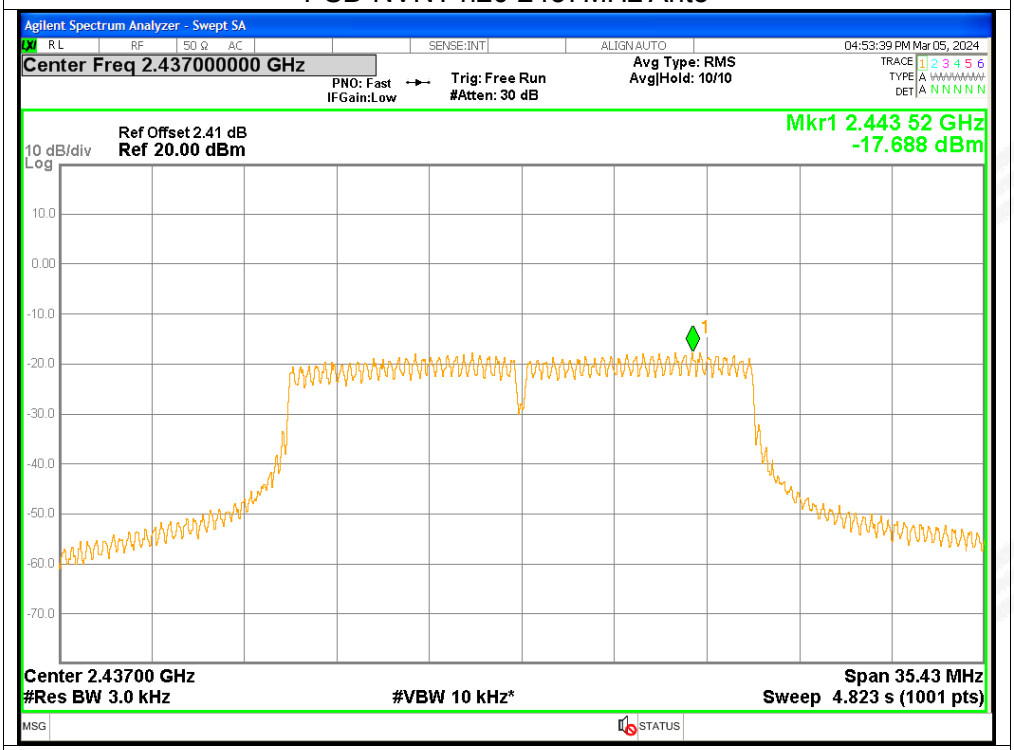
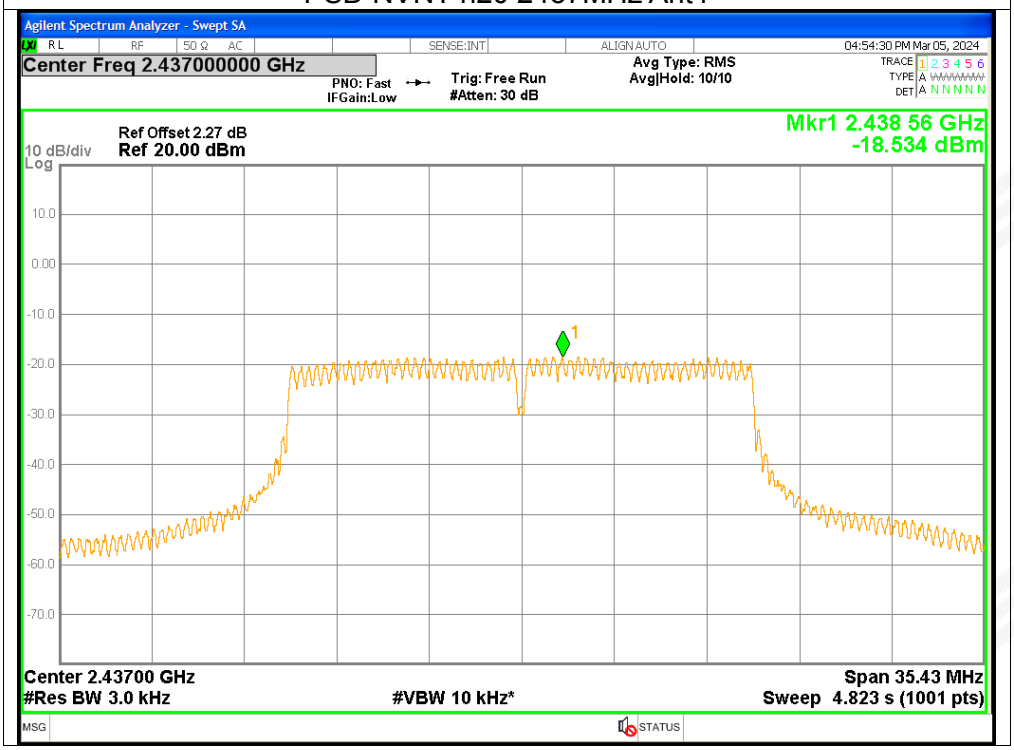
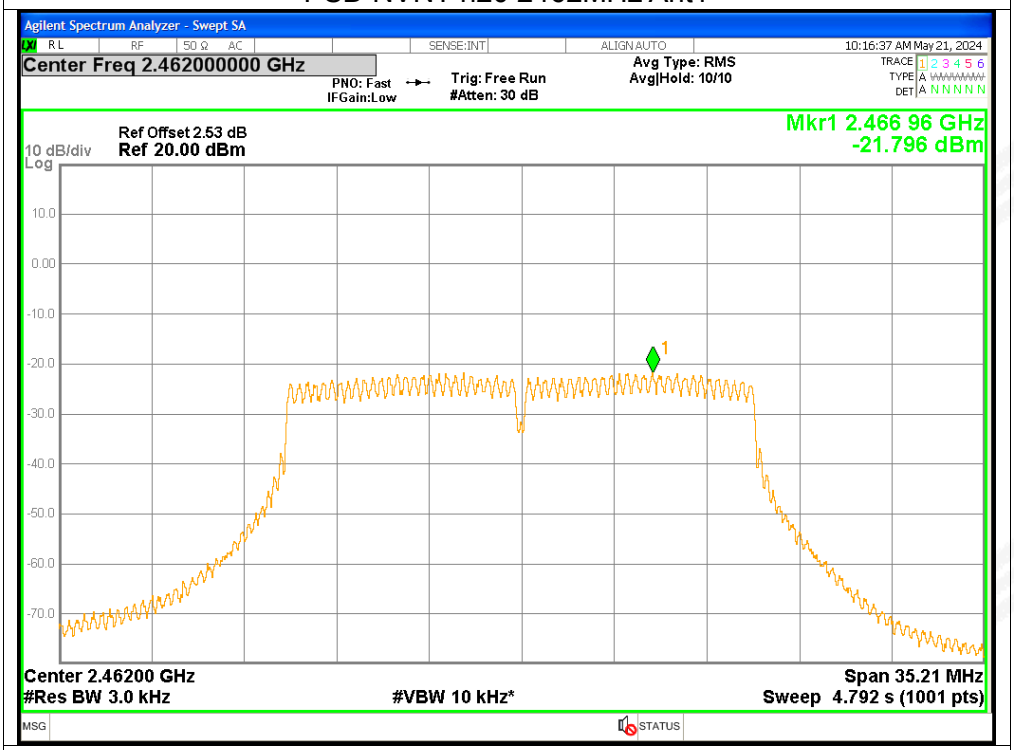


PSD NVNT n20 2437MHz Ant4



PSD NVNT n20 2462MHz Ant1



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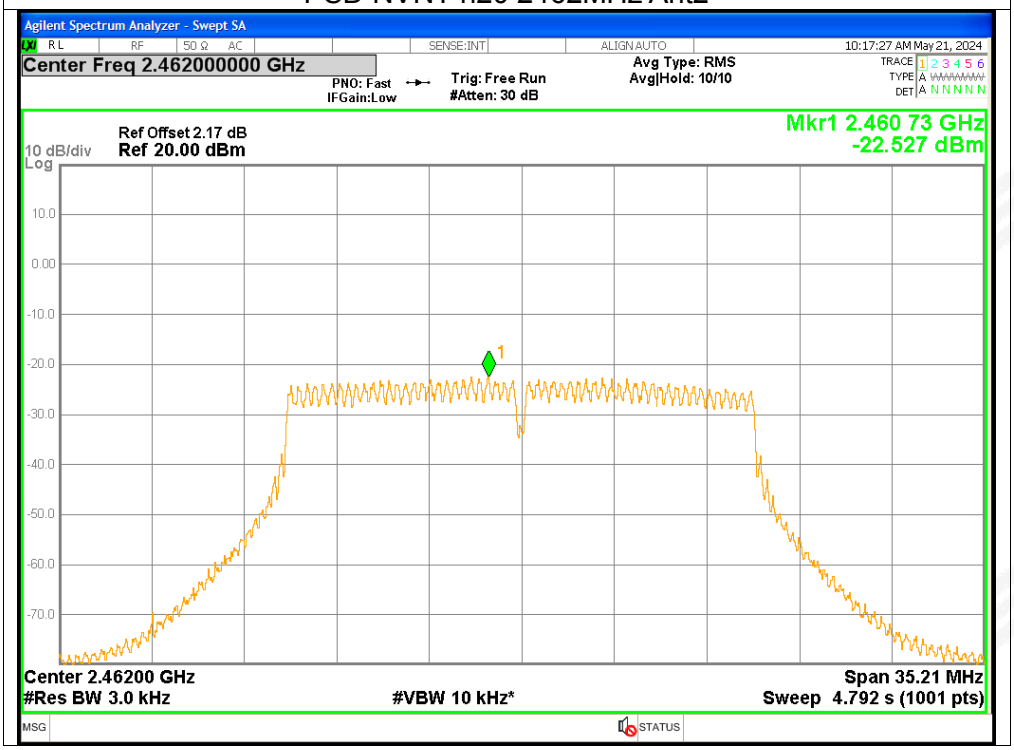
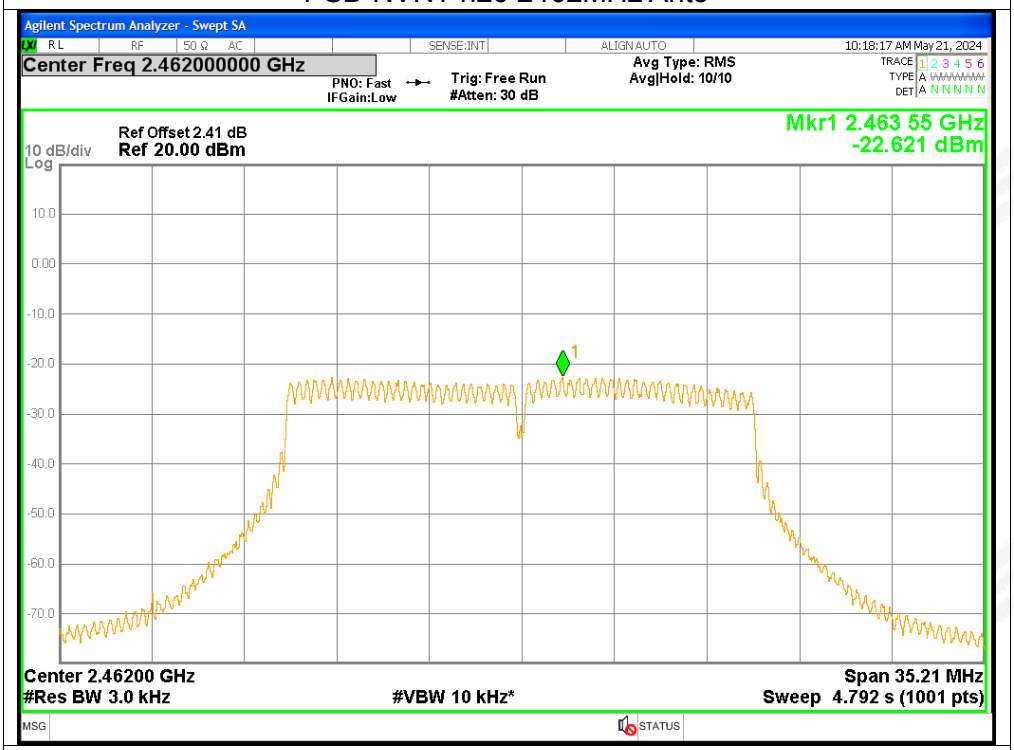
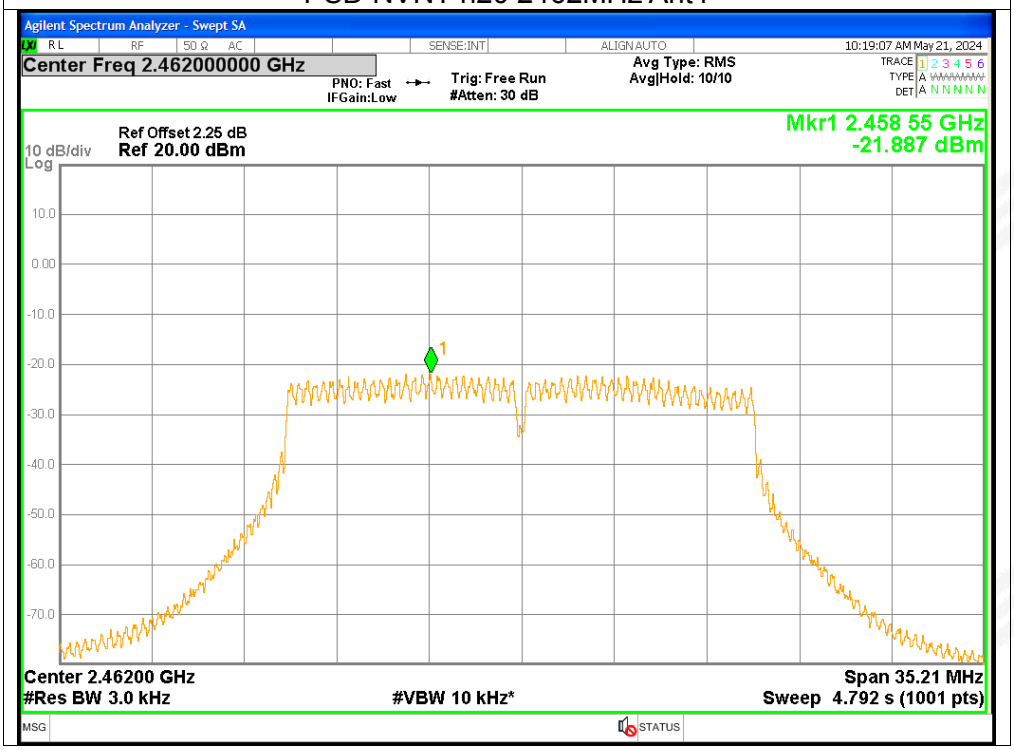


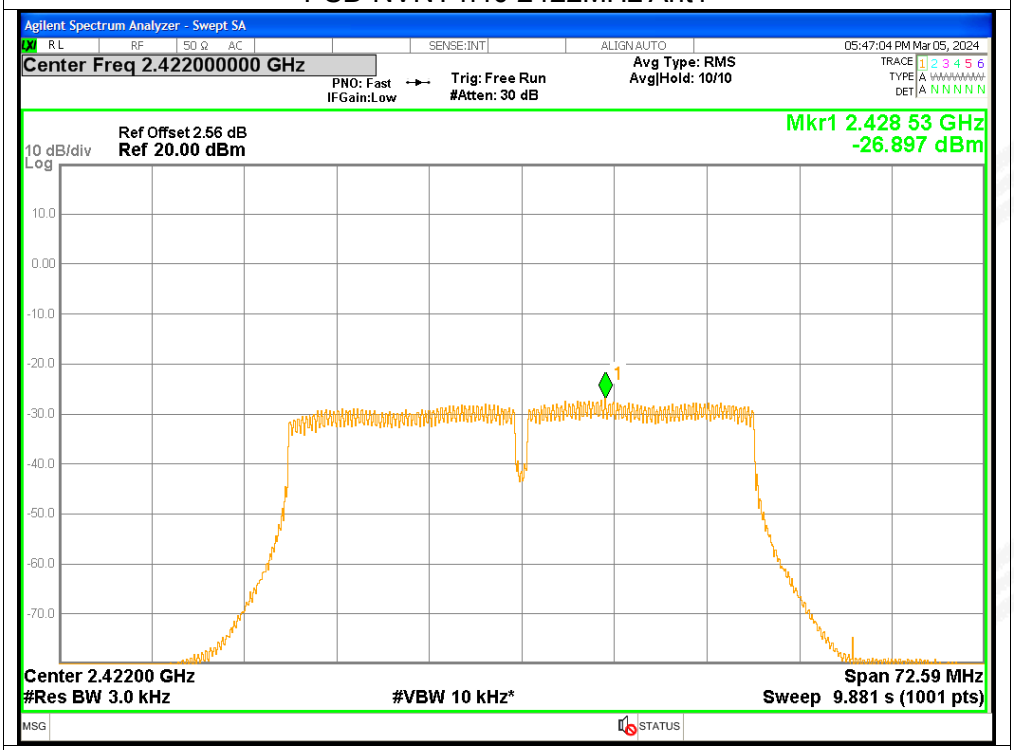
PSD NVNT n20 2462MHz Ant3



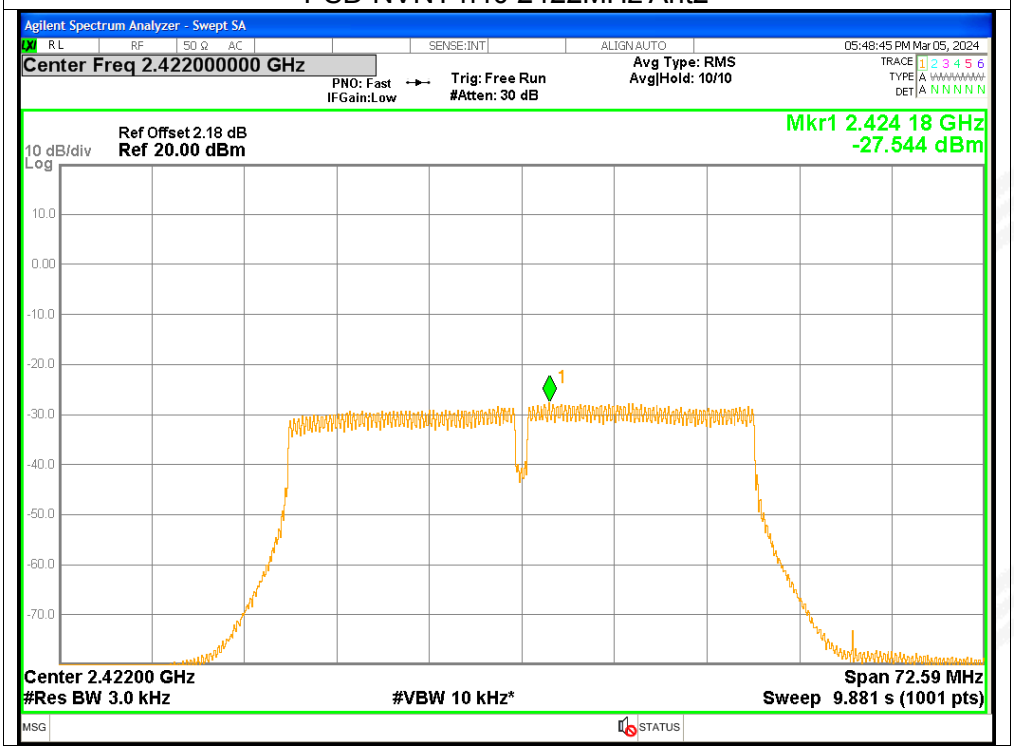
PSD NVNT n20 2462MHz Ant4



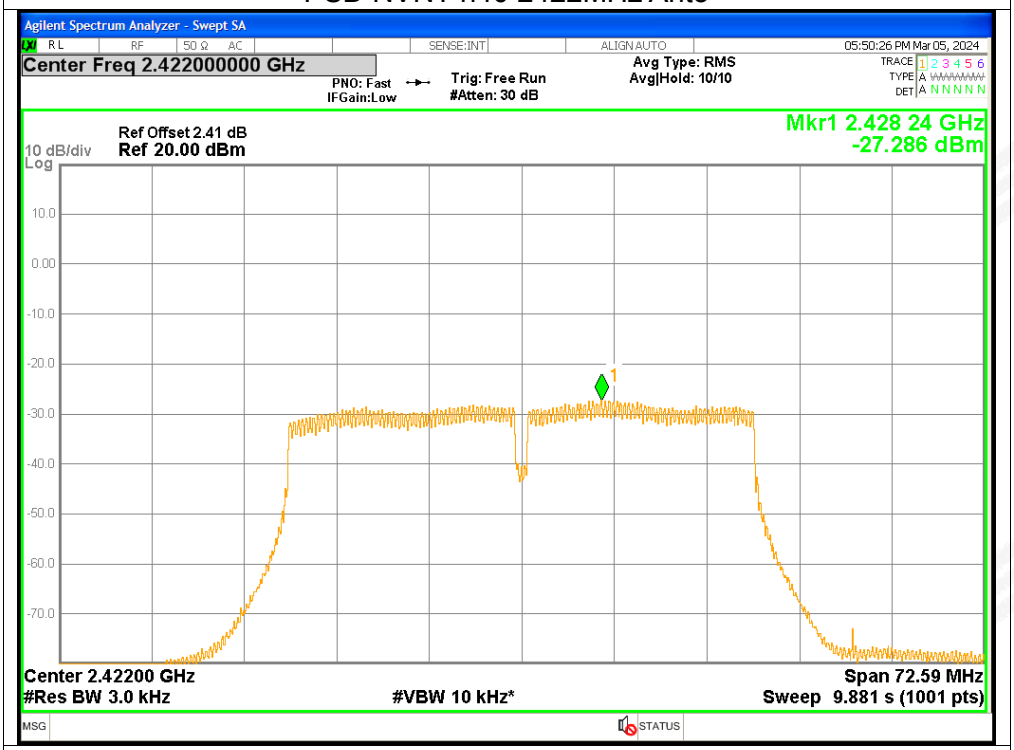
PSD NVNT n40 2422MHz Ant1



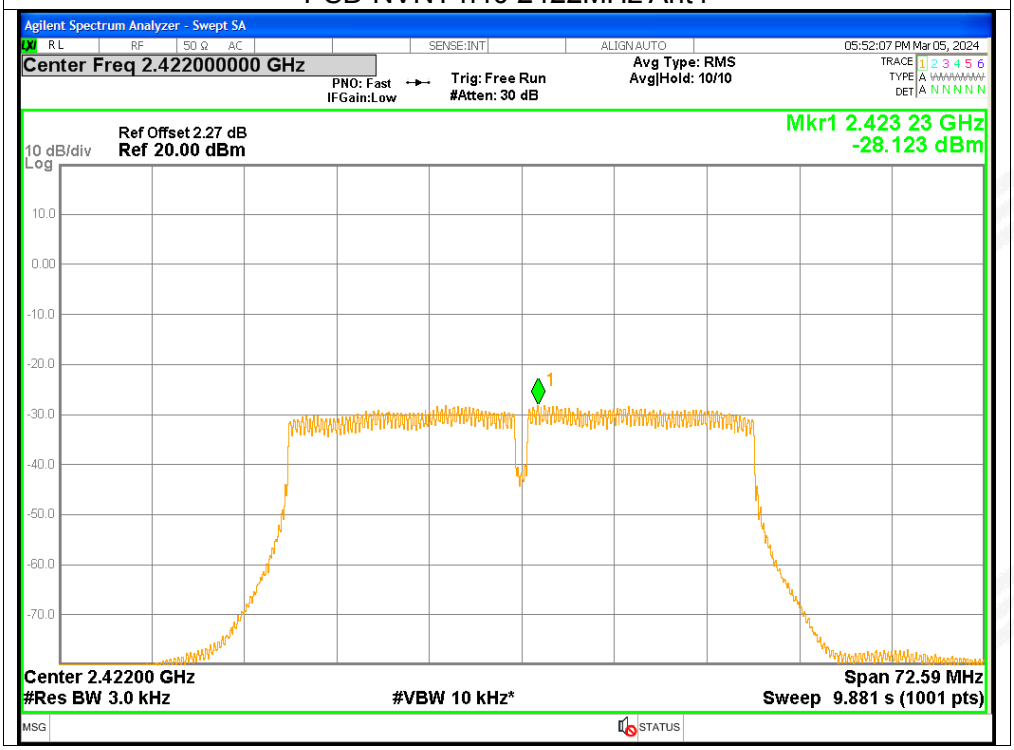
PSD NVNT n40 2422MHz Ant2



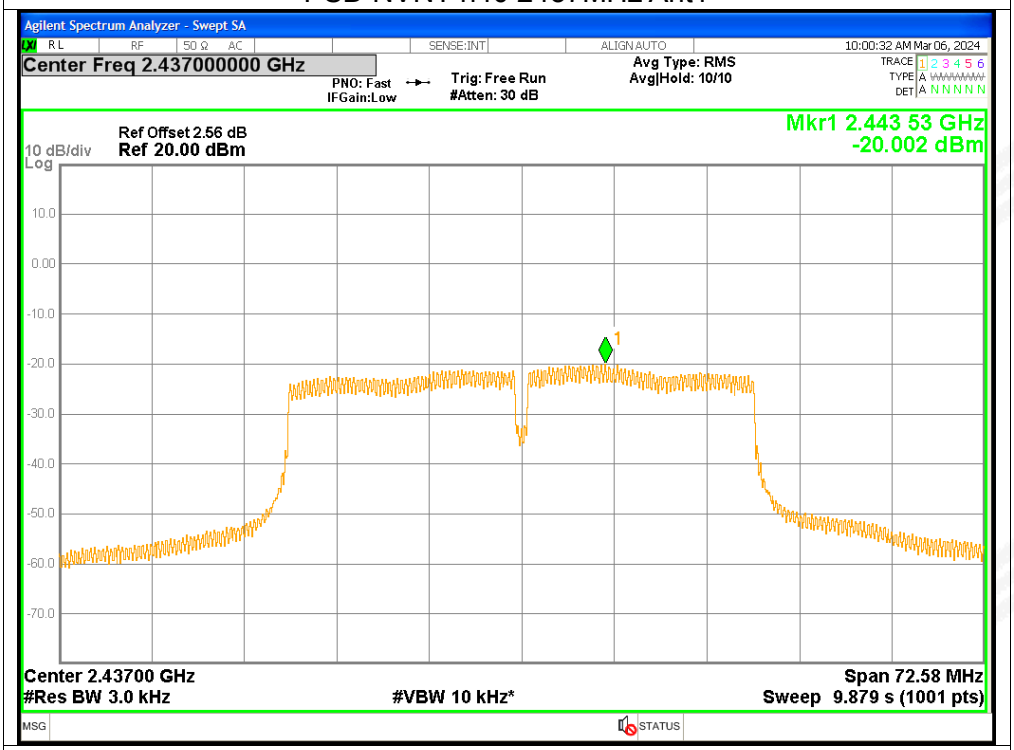
PSD NVNT n40 2422MHz Ant3



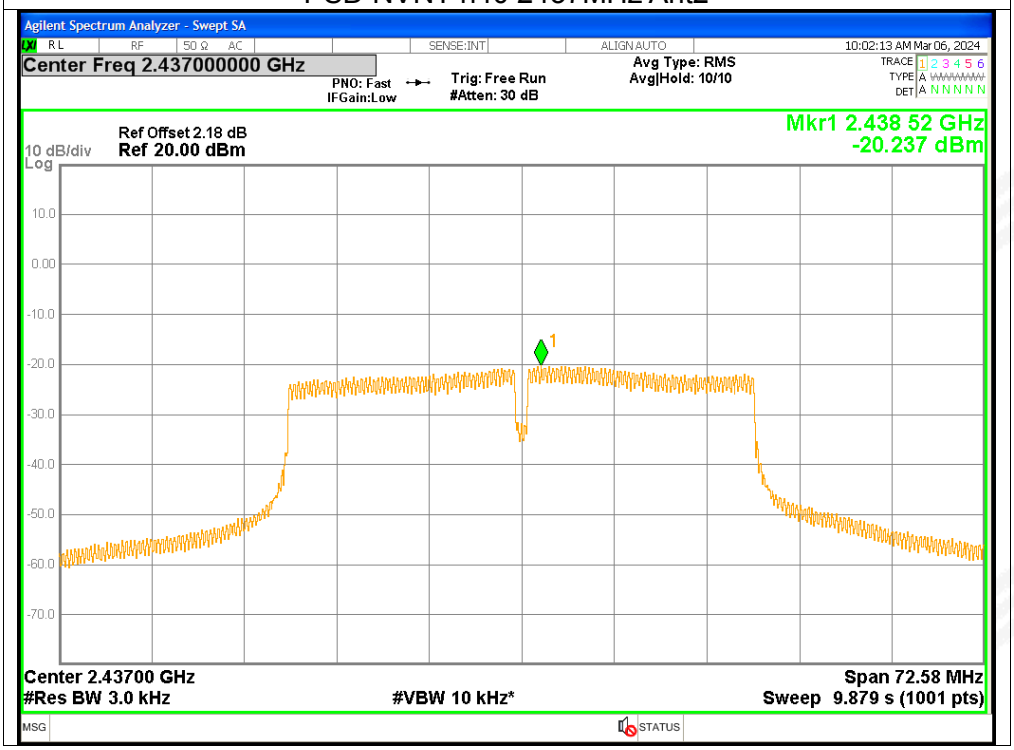
PSD NVNT n40 2422MHz Ant4



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2437MHz Ant2



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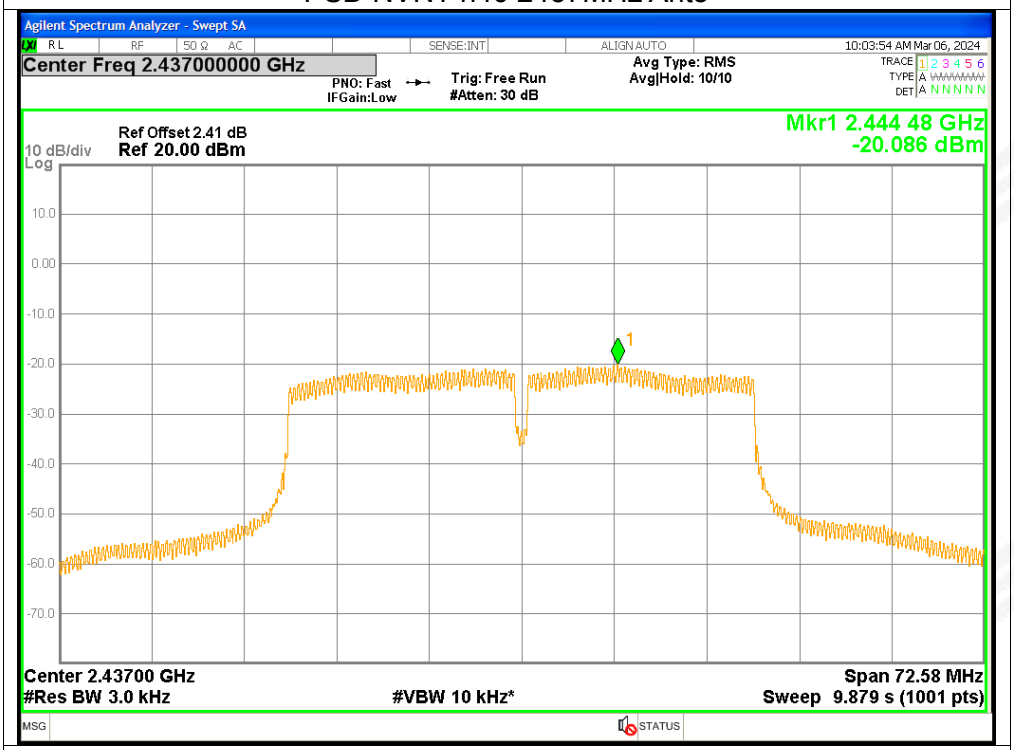
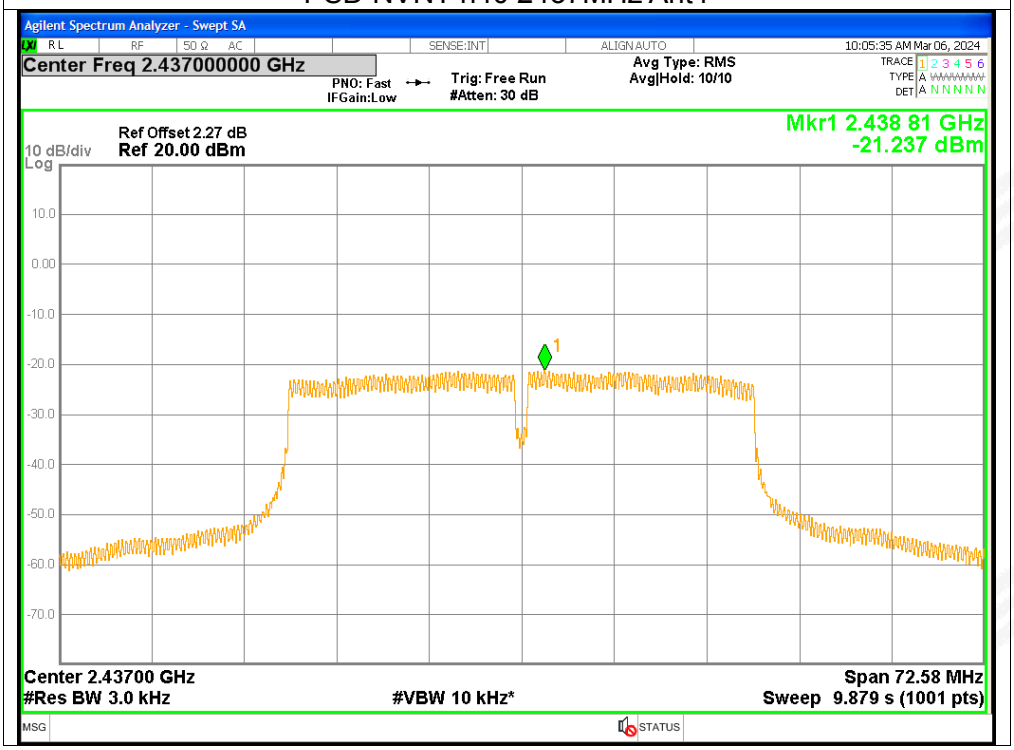
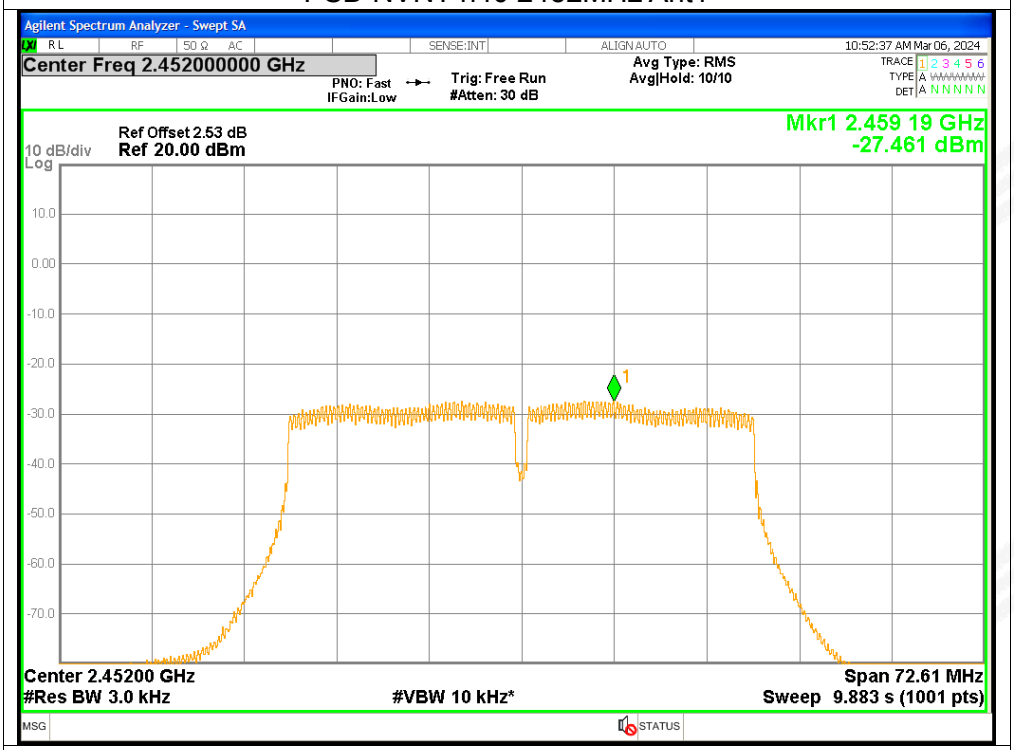


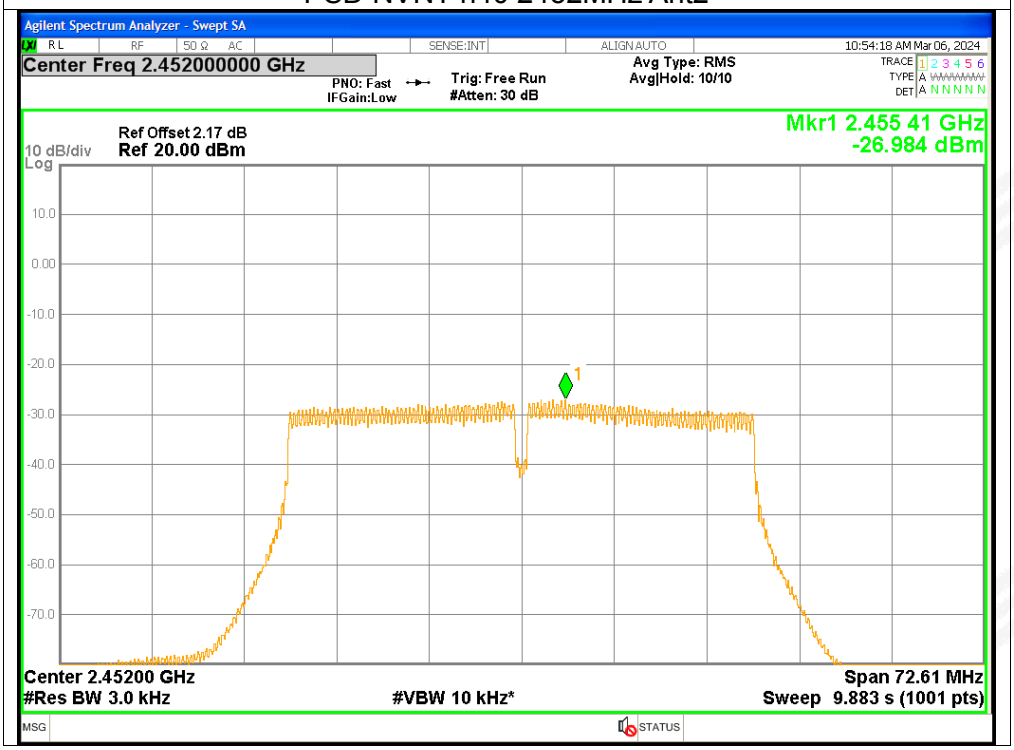
PSD NVNT n40 2437MHz Ant4



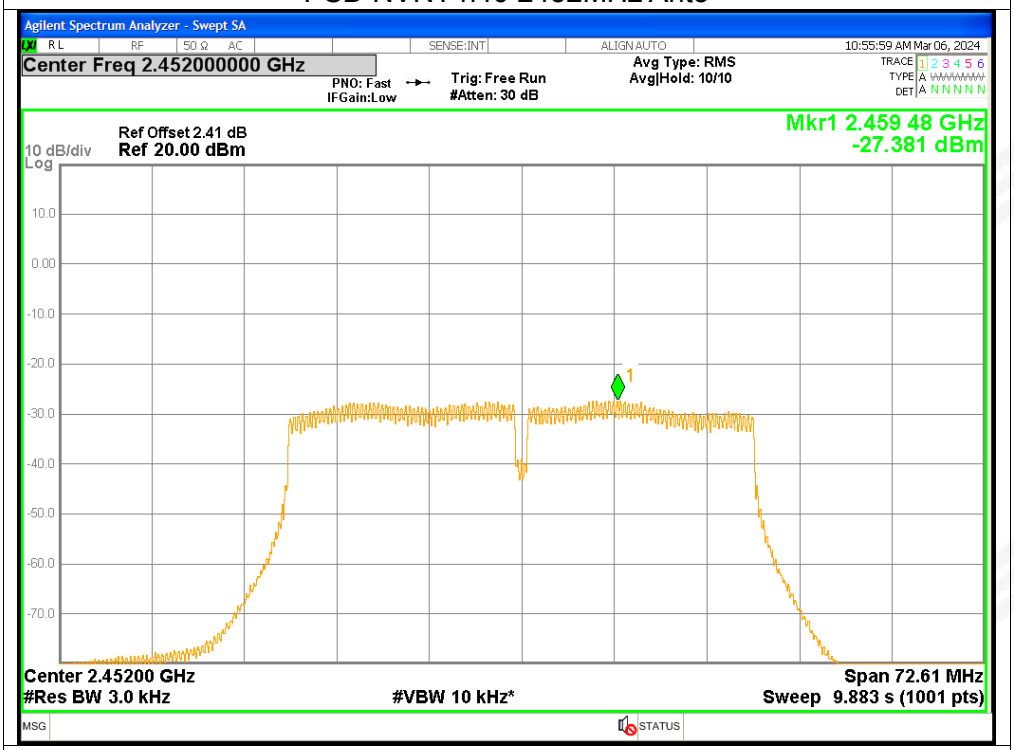
PSD NVNT n40 2452MHz Ant1



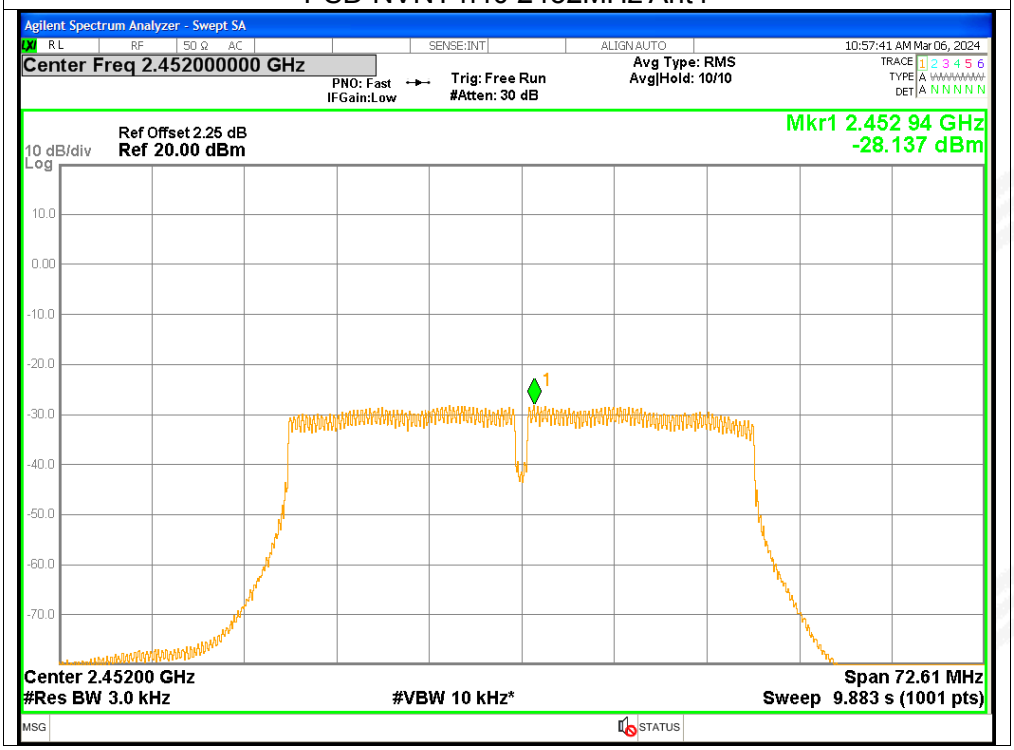
PSD NVNT n40 2452MHz Ant2



PSD NVNT n40 2452MHz Ant3



PSD NVNT n40 2452MHz Ant4

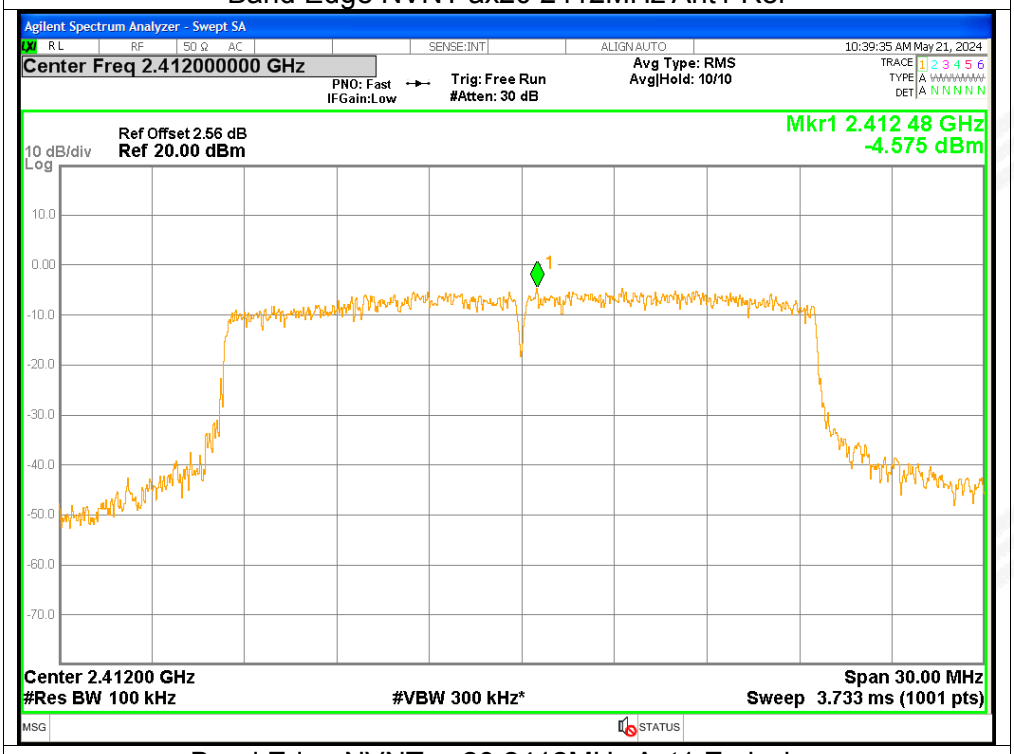


5. Band Edge

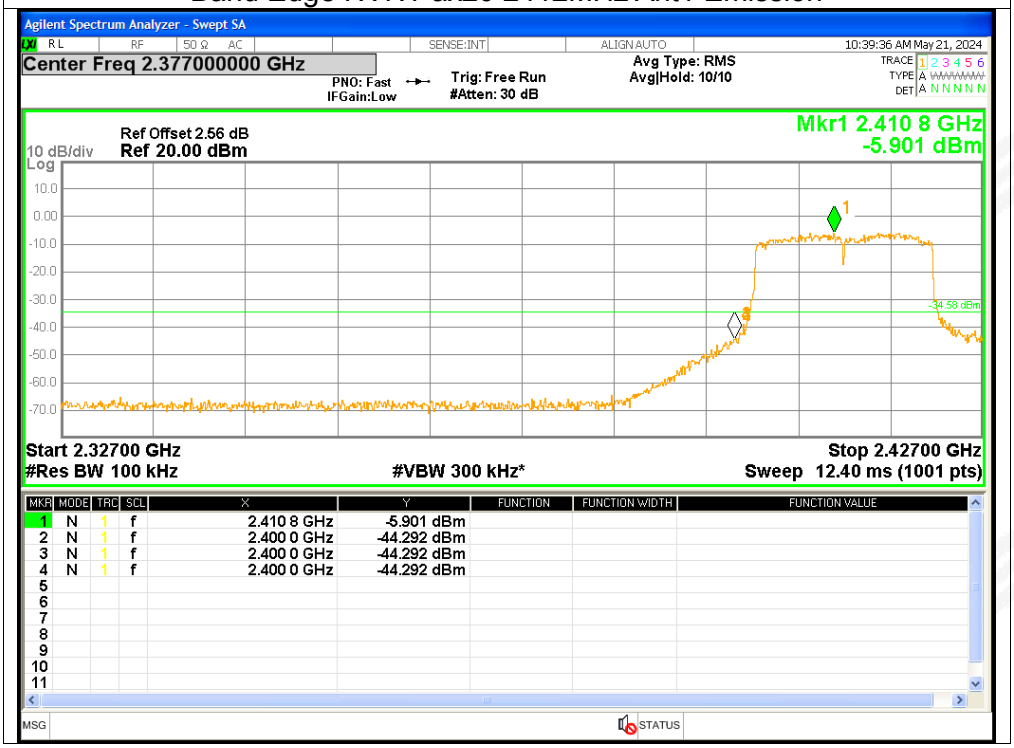
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-39.71	<=-30	Pass
NVNT	ax20	2412	Ant2	-36.24	<=-30	Pass
NVNT	ax20	2412	Ant3	-37.33	<=-30	Pass
NVNT	ax20	2412	Ant4	-38.46	<=-30	Pass
NVNT	ax20	2462	Ant1	-55.62	<=-30	Pass
NVNT	ax20	2462	Ant2	-56.14	<=-30	Pass
NVNT	ax20	2462	Ant3	-55.17	<=-30	Pass
NVNT	ax20	2462	Ant4	-56.7	<=-30	Pass
NVNT	ax40	2422	Ant1	-40.82	<=-30	Pass
NVNT	ax40	2422	Ant2	-41.31	<=-30	Pass
NVNT	ax40	2422	Ant3	-41.25	<=-30	Pass
NVNT	ax40	2422	Ant4	-40.8	<=-30	Pass
NVNT	ax40	2452	Ant1	-52.34	<=-30	Pass
NVNT	ax40	2452	Ant2	-51.91	<=-30	Pass
NVNT	ax40	2452	Ant3	-51.66	<=-30	Pass
NVNT	ax40	2452	Ant4	-51.48	<=-30	Pass
NVNT	b	2412	Ant1	-56.75	<=-30	Pass
NVNT	b	2412	Ant2	-56.28	<=-30	Pass
NVNT	b	2412	Ant3	-56.3	<=-30	Pass
NVNT	b	2412	Ant4	-56.41	<=-30	Pass
NVNT	b	2462	Ant1	-60.75	<=-30	Pass
NVNT	b	2462	Ant2	-61.95	<=-30	Pass
NVNT	b	2462	Ant3	-60.04	<=-30	Pass
NVNT	b	2462	Ant4	-60.25	<=-30	Pass
NVNT	g	2412	Ant1	-32.01	<=-30	Pass
NVNT	g	2412	Ant2	-32.67	<=-30	Pass
NVNT	g	2412	Ant3	-33.9	<=-30	Pass
NVNT	g	2412	Ant4	-33.27	<=-30	Pass
NVNT	g	2462	Ant1	-53.65	<=-30	Pass
NVNT	g	2462	Ant2	-52.01	<=-30	Pass
NVNT	g	2462	Ant3	-55.67	<=-30	Pass
NVNT	g	2462	Ant4	-53.82	<=-30	Pass
NVNT	n20	2412	Ant1	-40.38	<=-30	Pass
NVNT	n20	2412	Ant2	-39.13	<=-30	Pass
NVNT	n20	2412	Ant3	-37.6	<=-30	Pass
NVNT	n20	2412	Ant4	-41.07	<=-30	Pass
NVNT	n20	2462	Ant1	-56.13	<=-30	Pass
NVNT	n20	2462	Ant2	-56.91	<=-30	Pass
NVNT	n20	2462	Ant3	-55.52	<=-30	Pass
NVNT	n20	2462	Ant4	-57.46	<=-30	Pass
NVNT	n40	2422	Ant1	-41.94	<=-30	Pass
NVNT	n40	2422	Ant2	-41.78	<=-30	Pass
NVNT	n40	2422	Ant3	-41.95	<=-30	Pass
NVNT	n40	2422	Ant4	-41.03	<=-30	Pass
NVNT	n40	2452	Ant1	-54.28	<=-30	Pass
NVNT	n40	2452	Ant2	-54.2	<=-30	Pass
NVNT	n40	2452	Ant3	-53.38	<=-30	Pass
NVNT	n40	2452	Ant4	-53.37	<=-30	Pass

Test Graphs

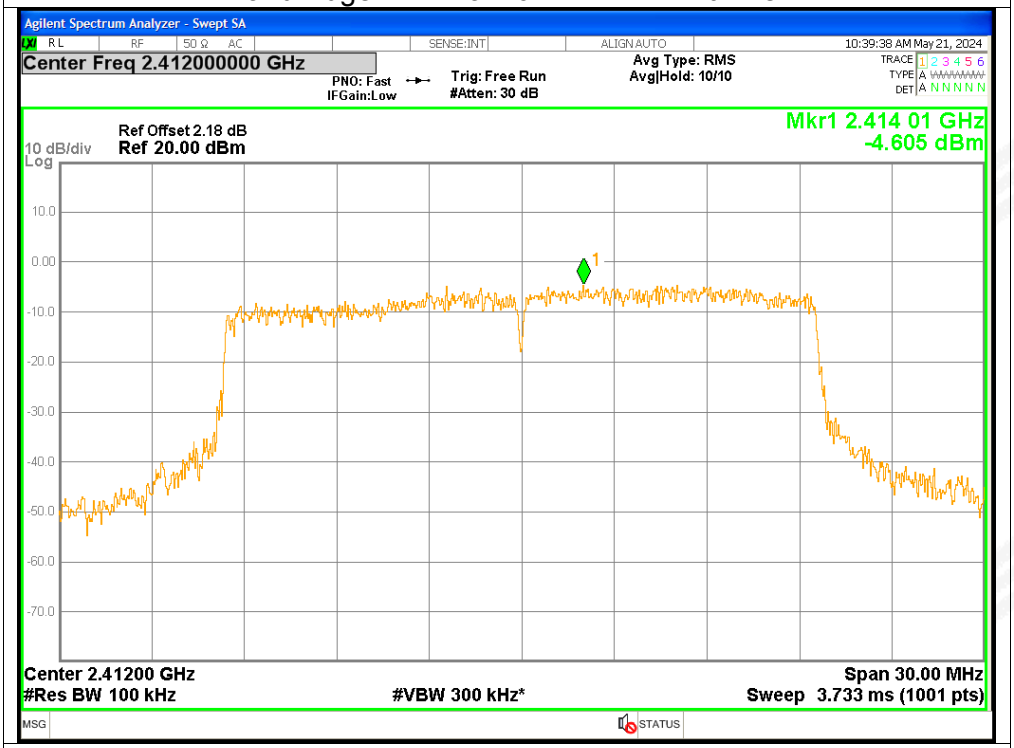
Band Edge NVNT ax20 2412MHz Ant1 Ref



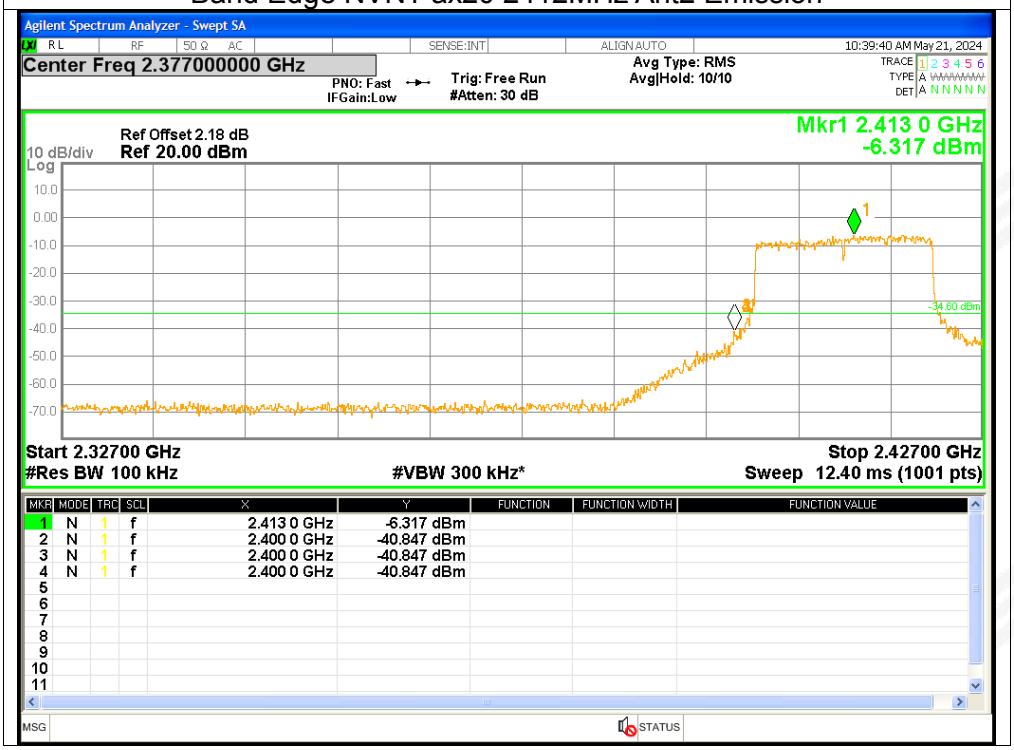
Band Edge NVNT ax20 2412MHz Ant1 Emission



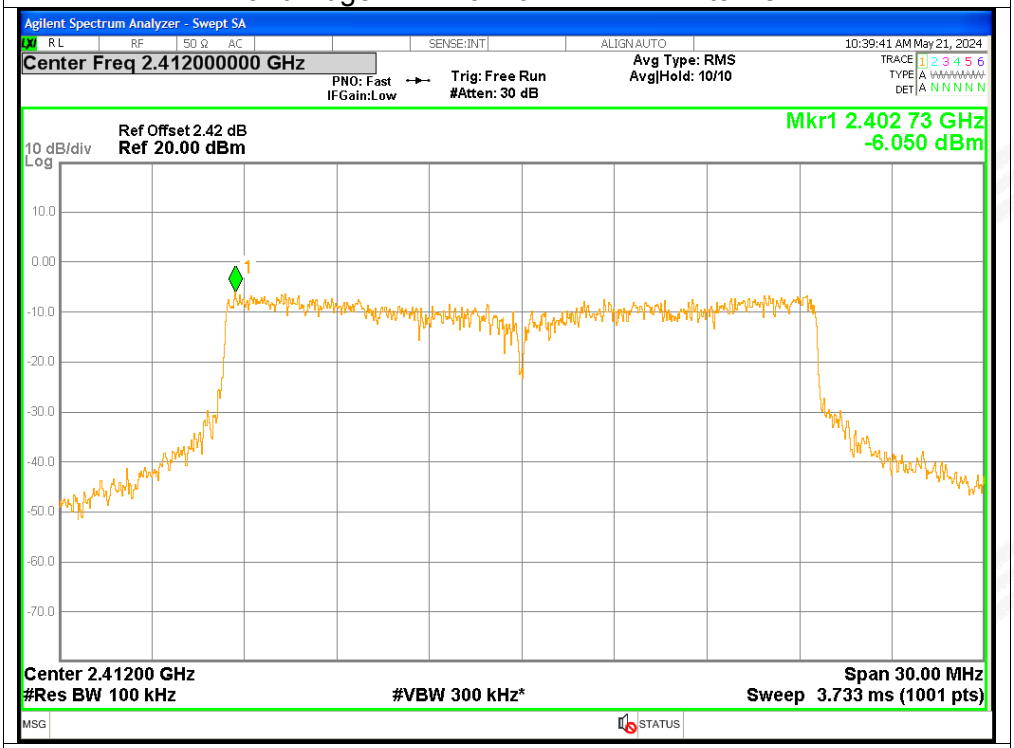
Band Edge NVNT ax20 2412MHz Ant2 Ref



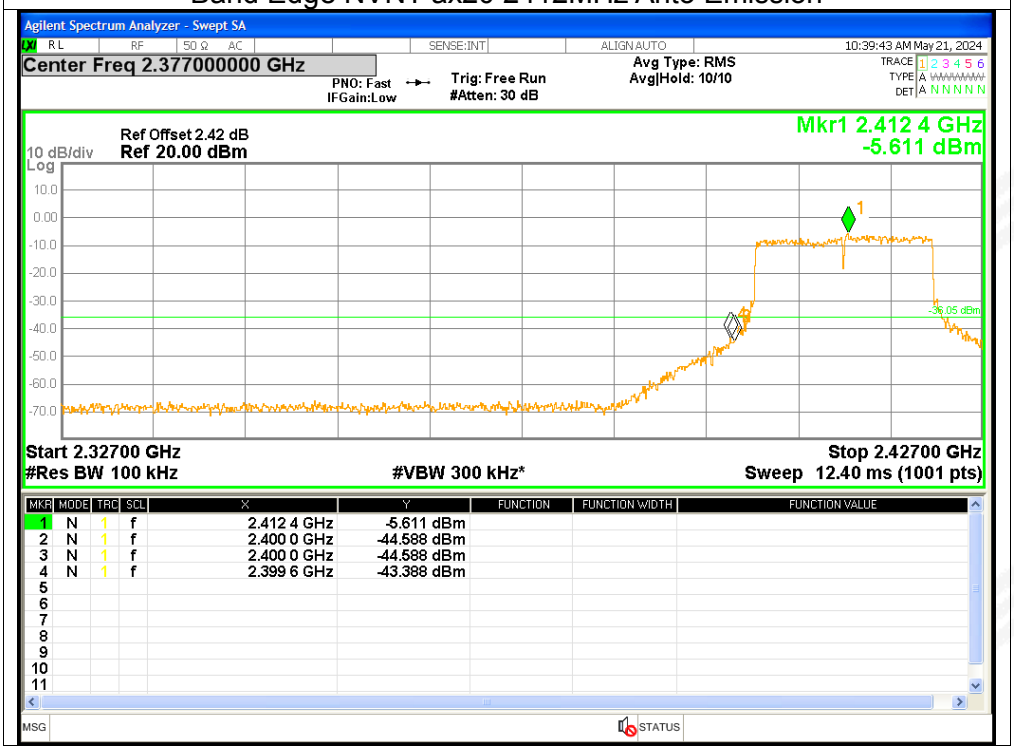
Band Edge NVNT ax20 2412MHz Ant2 Emission



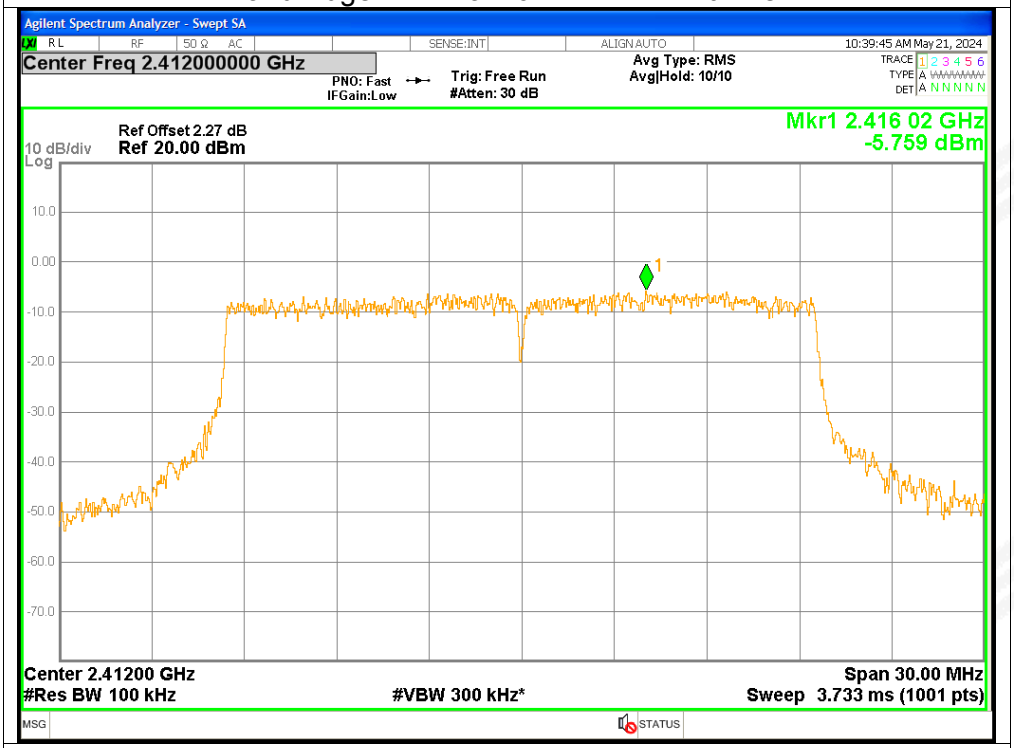
Band Edge NVNT ax20 2412MHz Ant3 Ref



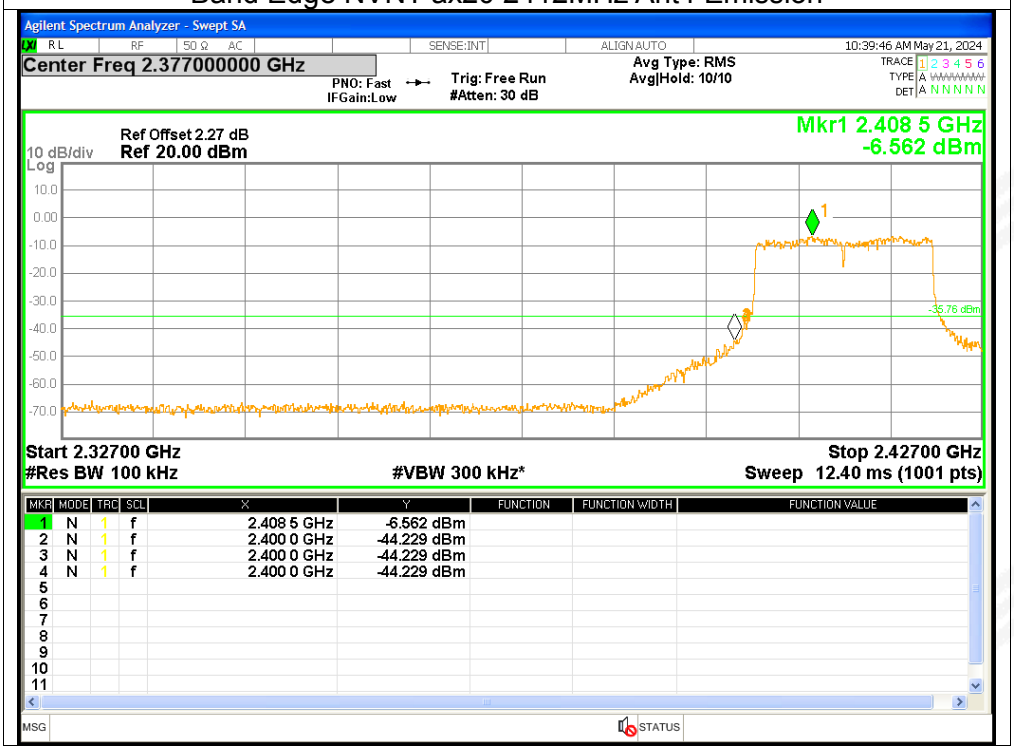
Band Edge NVNT ax20 2412MHz Ant3 Emission



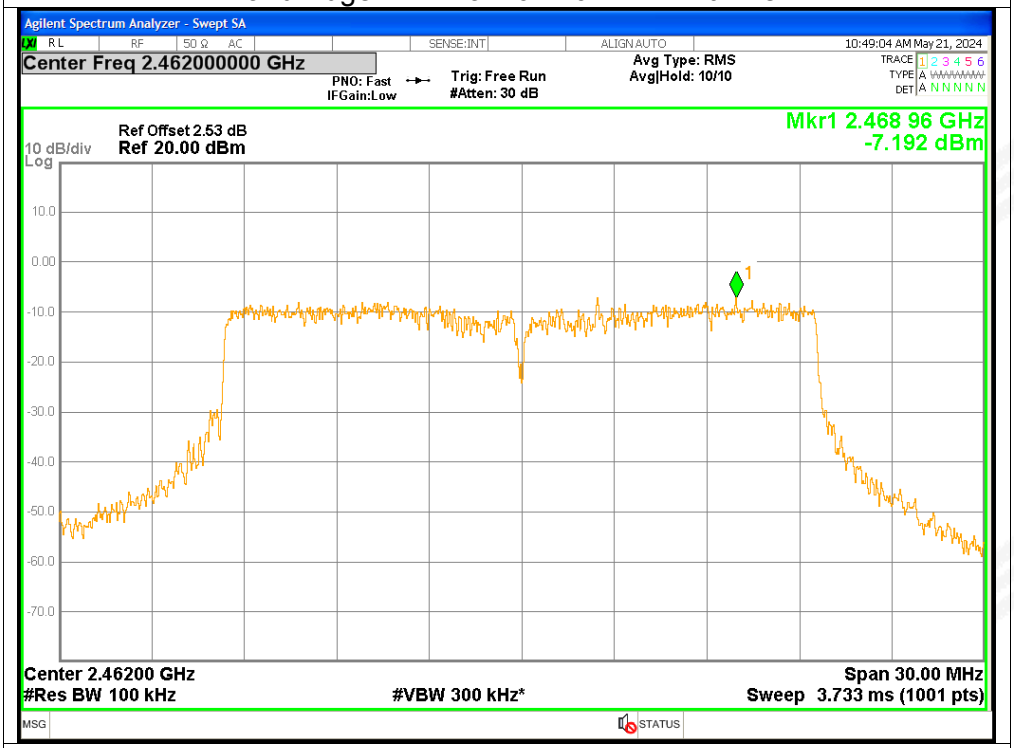
Band Edge NVNT ax20 2412MHz Ant4 Ref



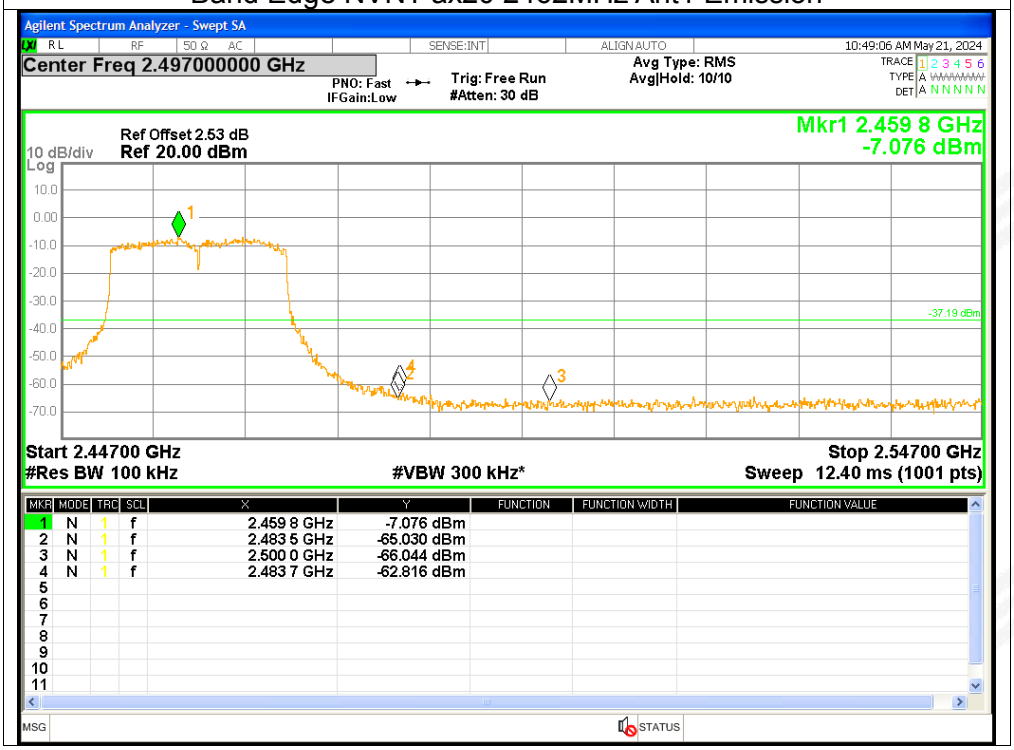
Band Edge NVNT ax20 2412MHz Ant4 Emission



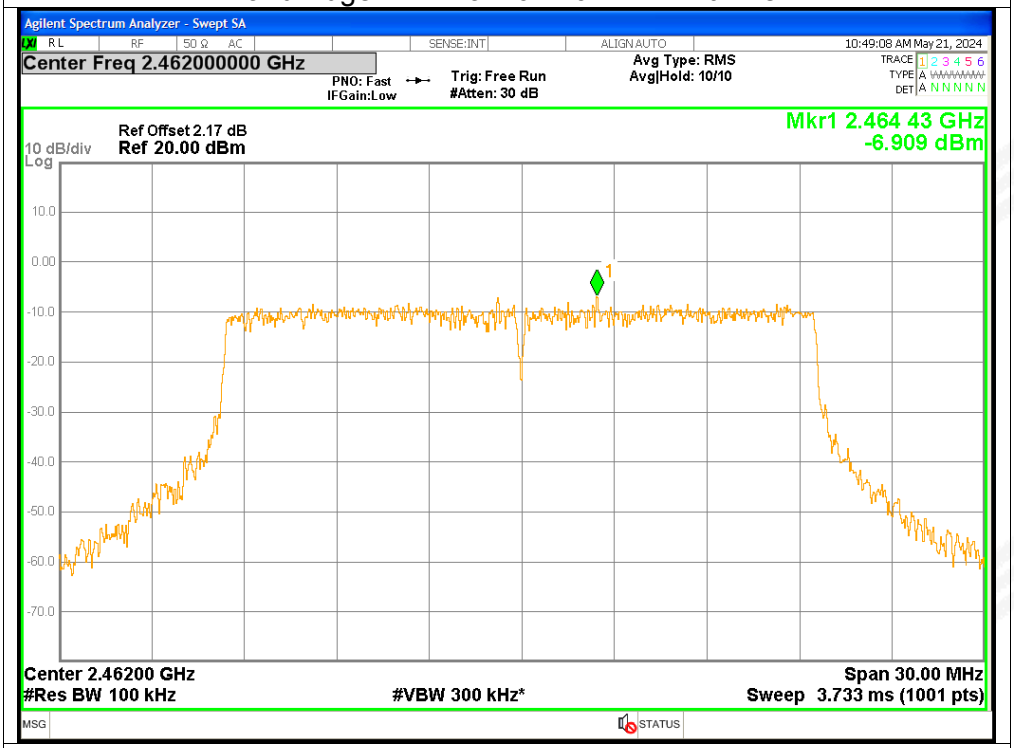
Band Edge NVNT ax20 2462MHz Ant1 Ref



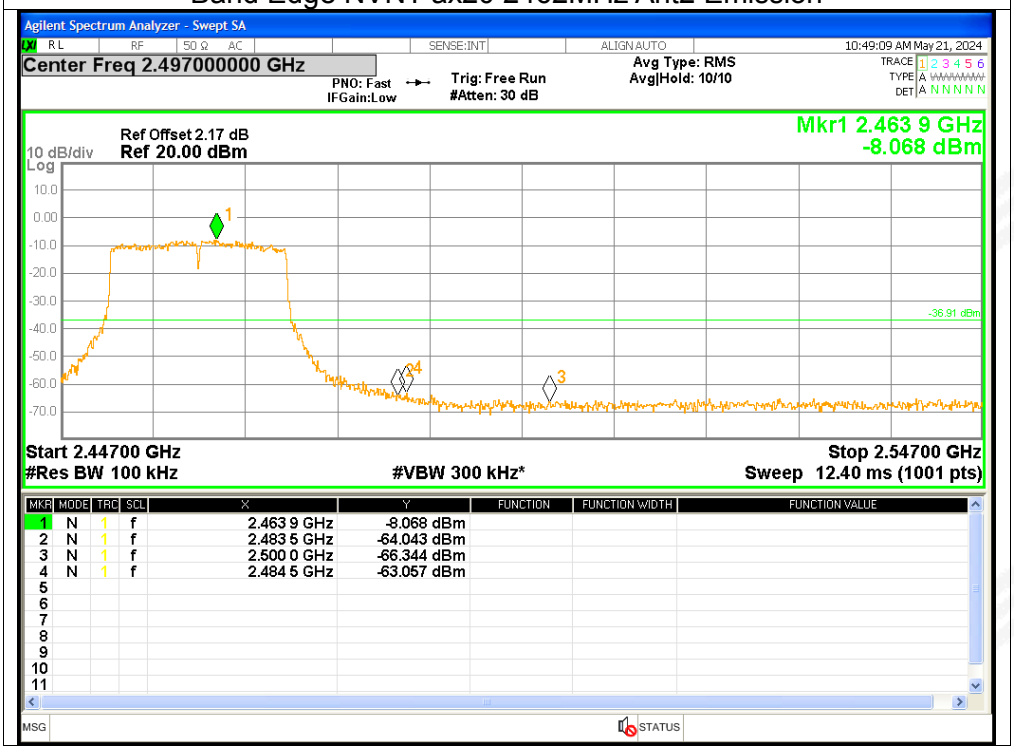
Band Edge NVNT ax20 2462MHz Ant1 Emission



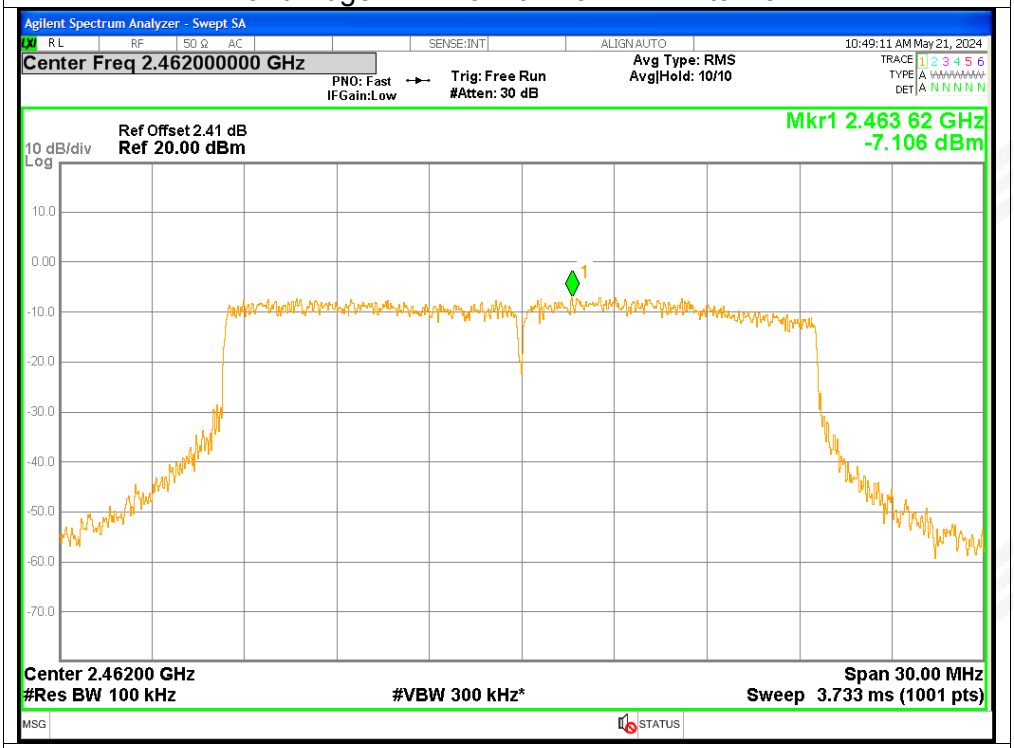
Band Edge NVNT ax20 2462MHz Ant2 Ref



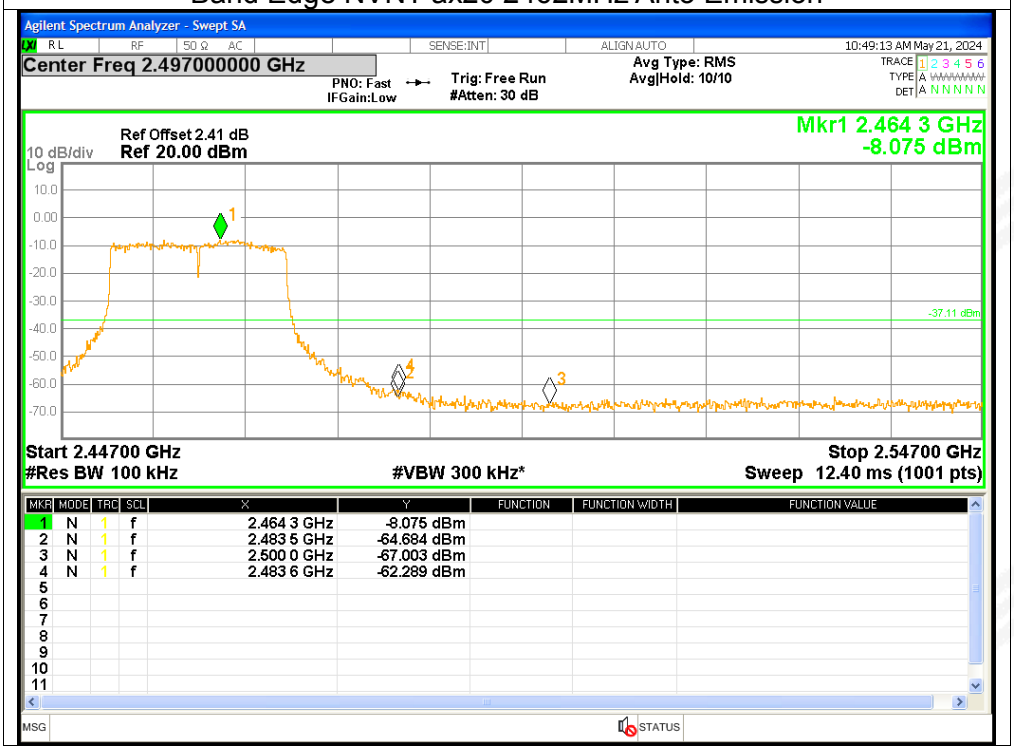
Band Edge NVNT ax20 2462MHz Ant2 Emission



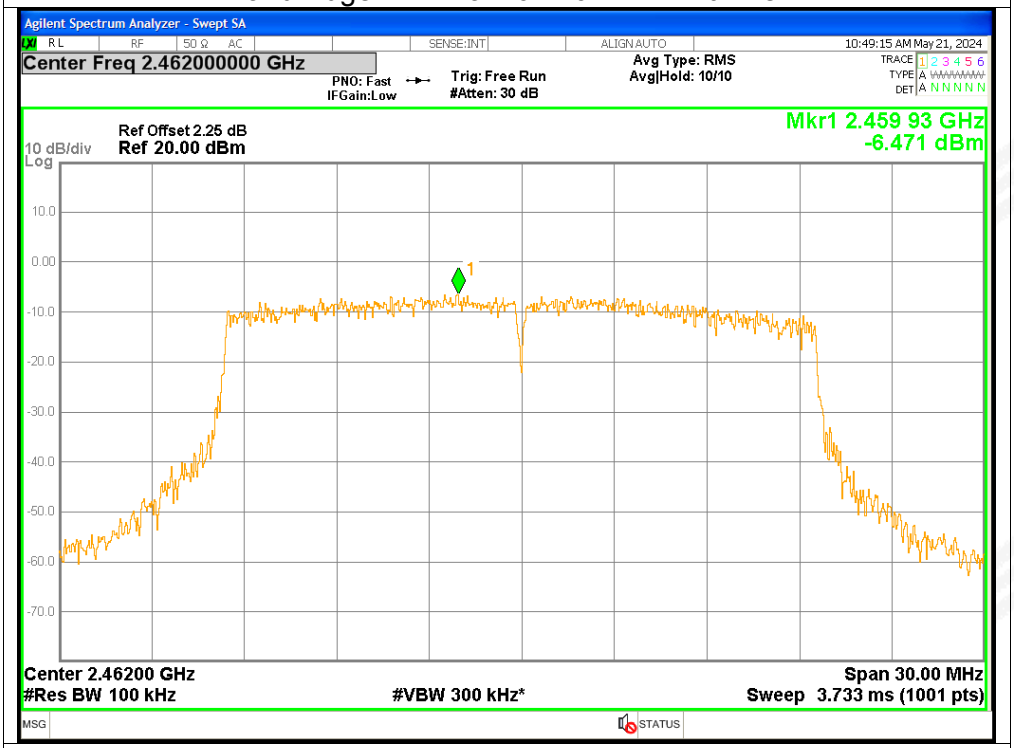
Band Edge NVNT ax20 2462MHz Ant3 Ref



Band Edge NVNT ax20 2462MHz Ant3 Emission



Band Edge NVNT ax20 2462MHz Ant4 Ref



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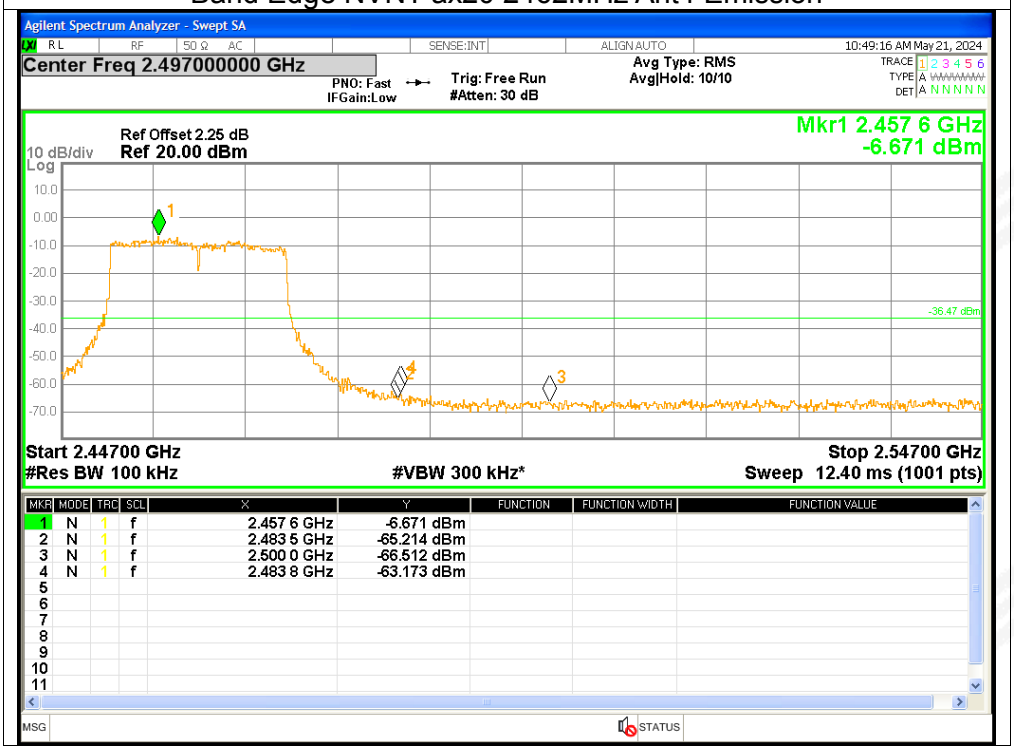
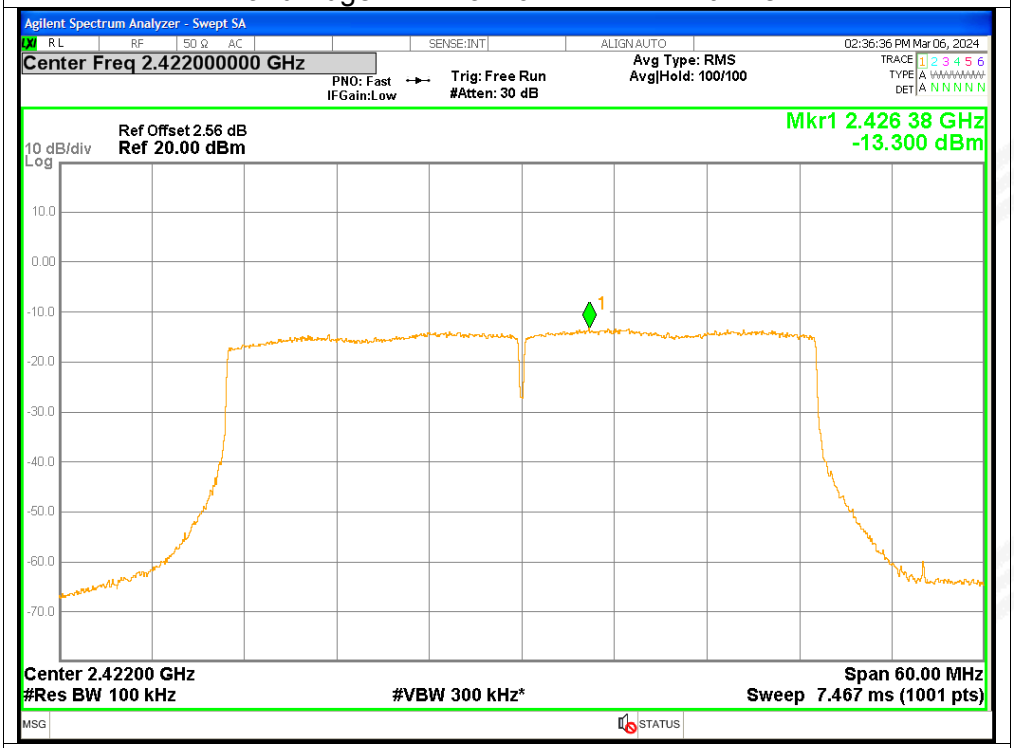


Band Edge NVNT ax40 2422MHz Ant1 Ref



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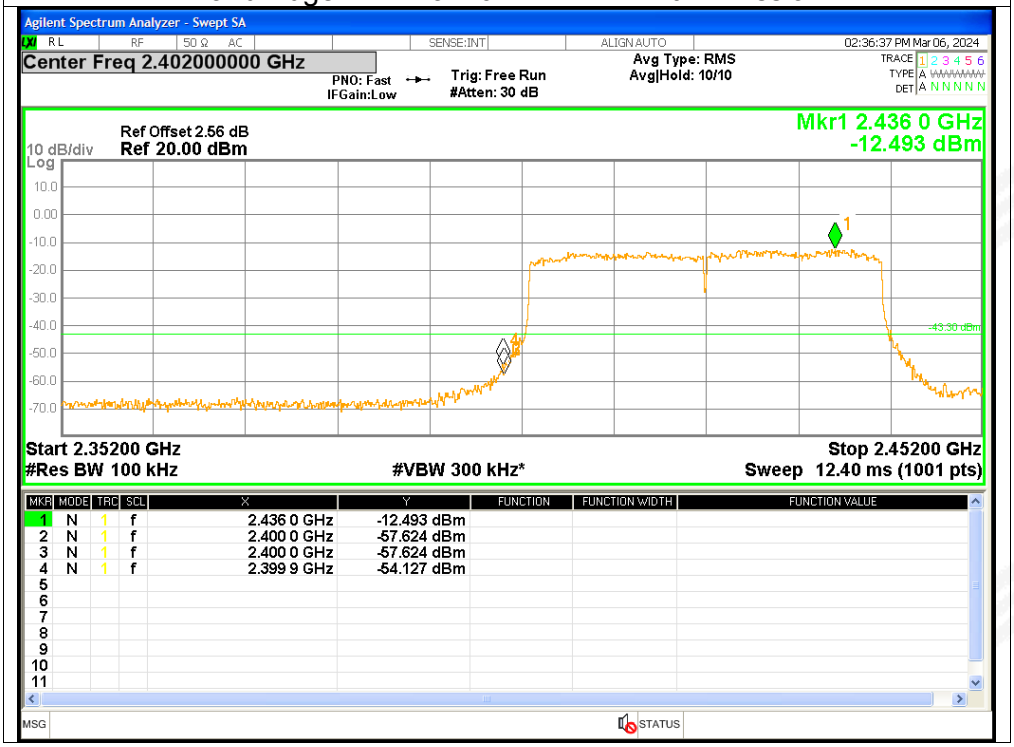

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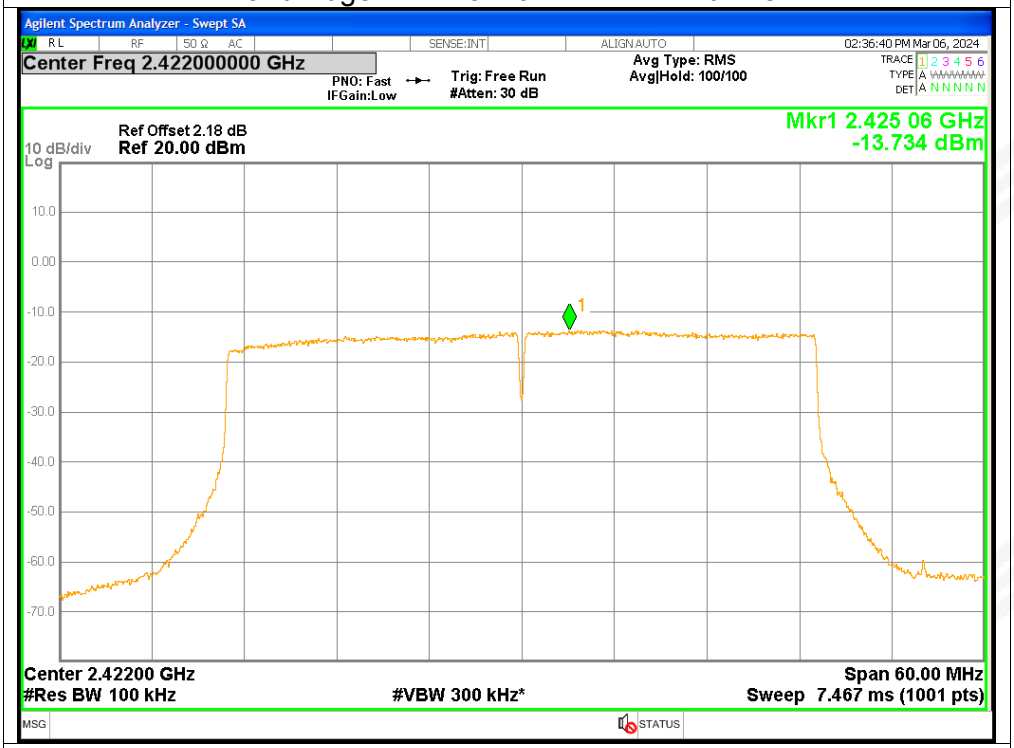

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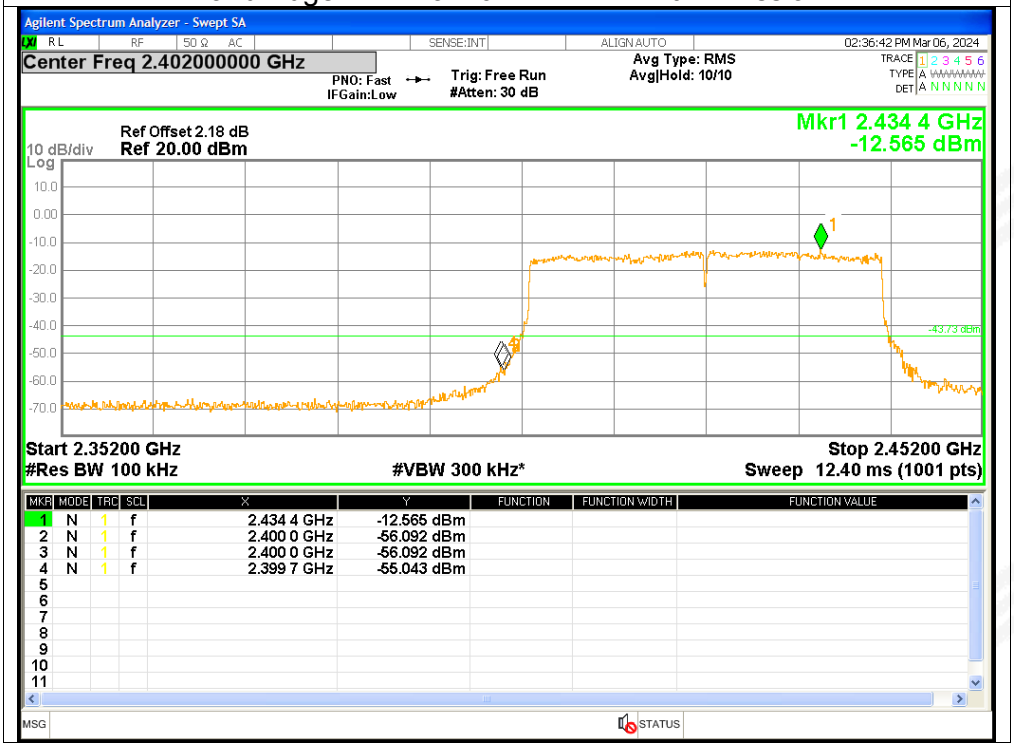

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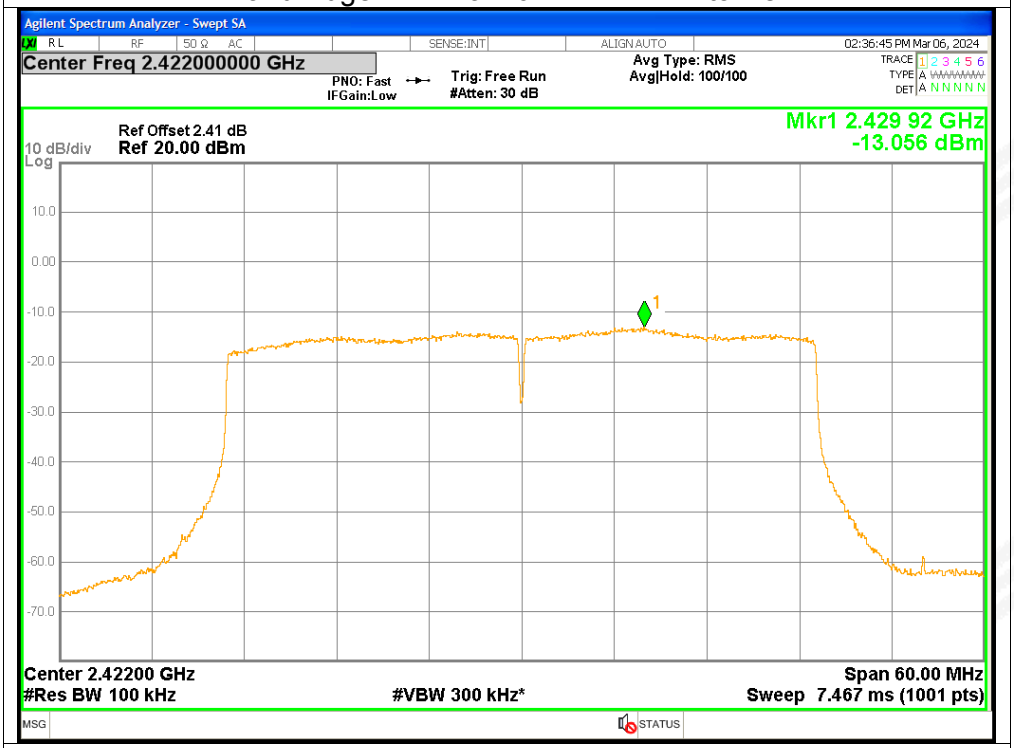

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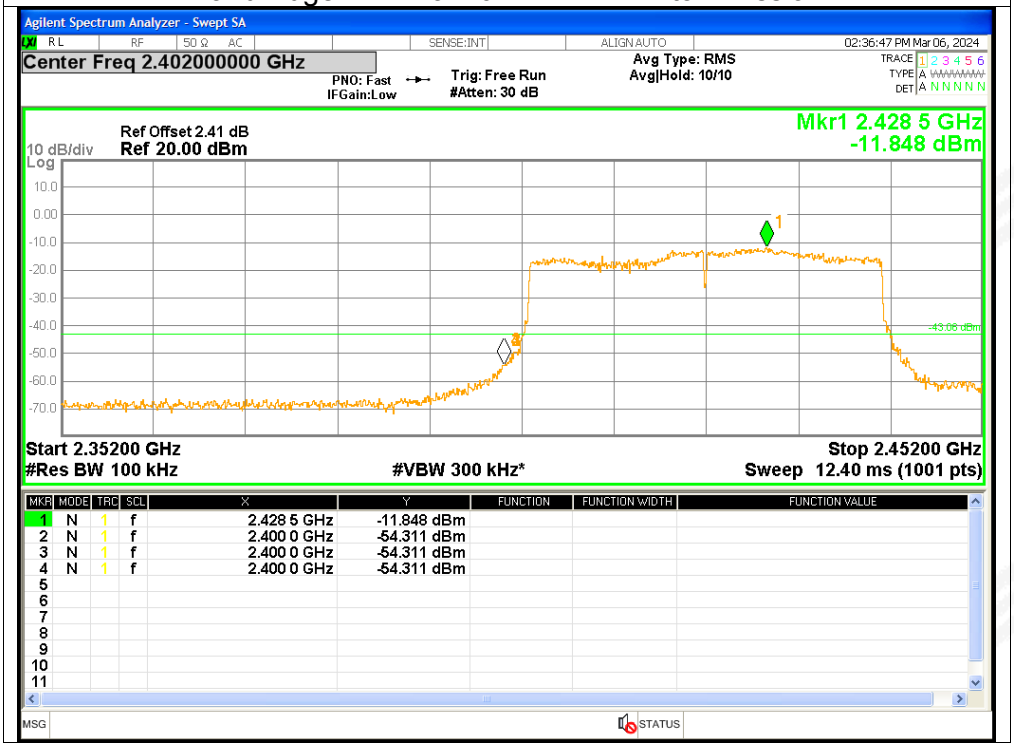

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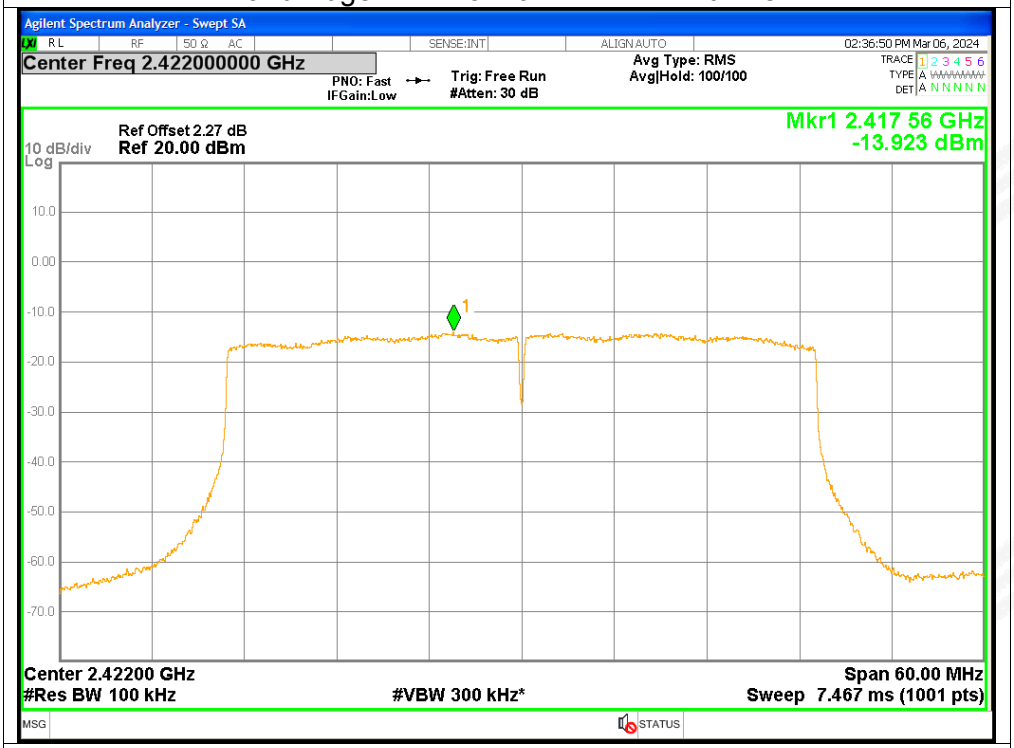

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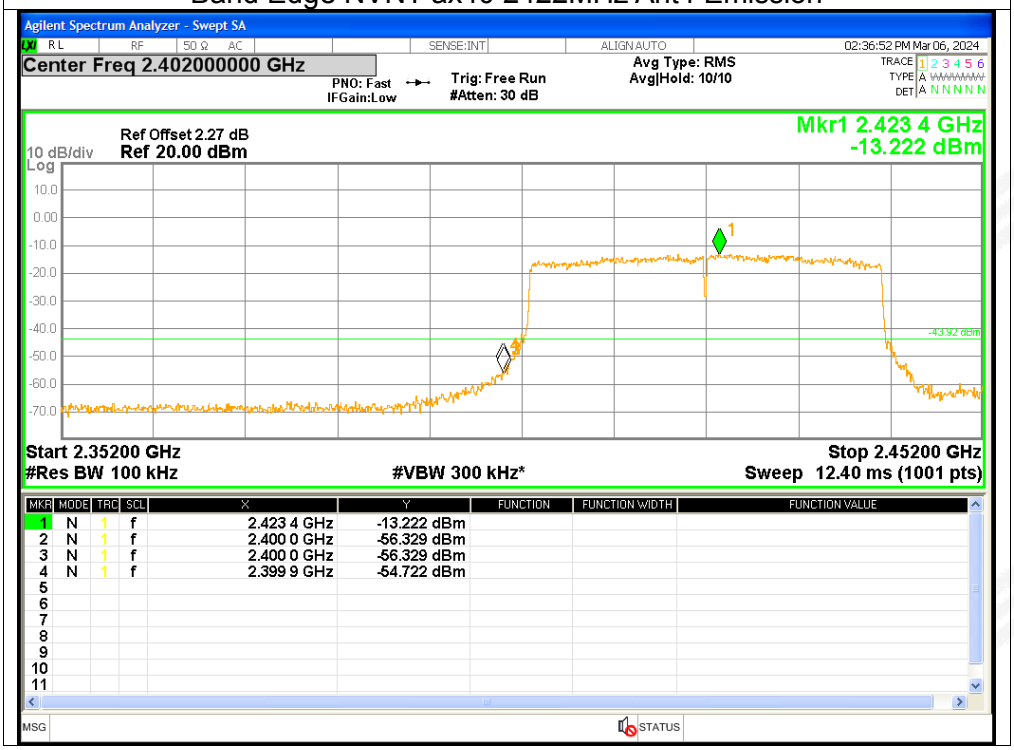
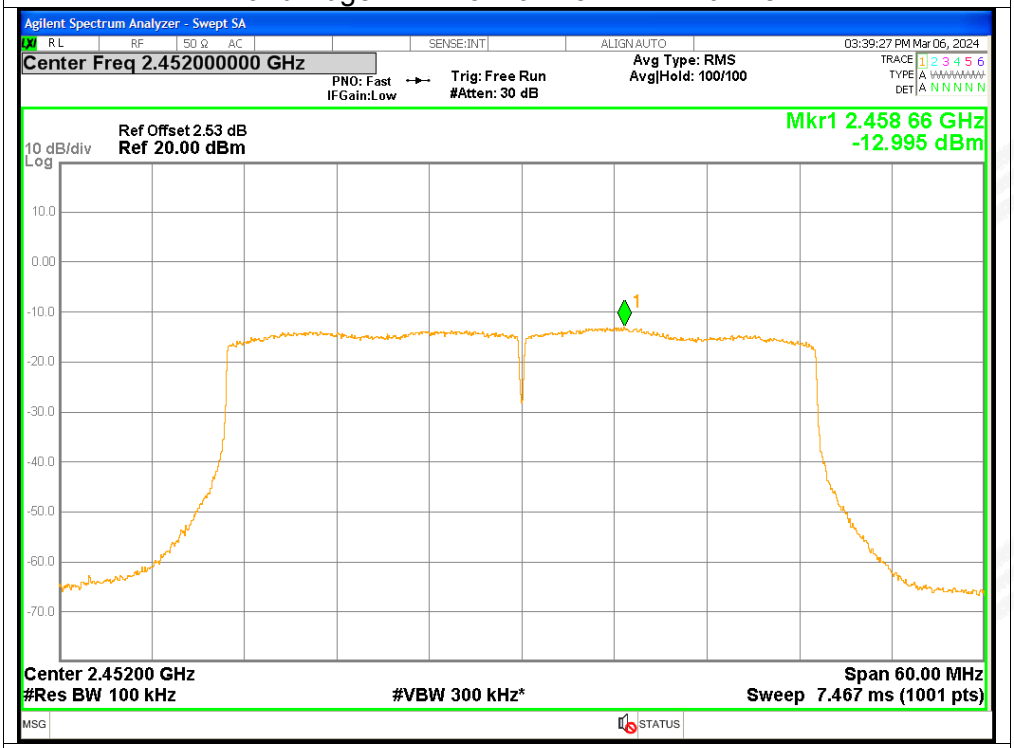
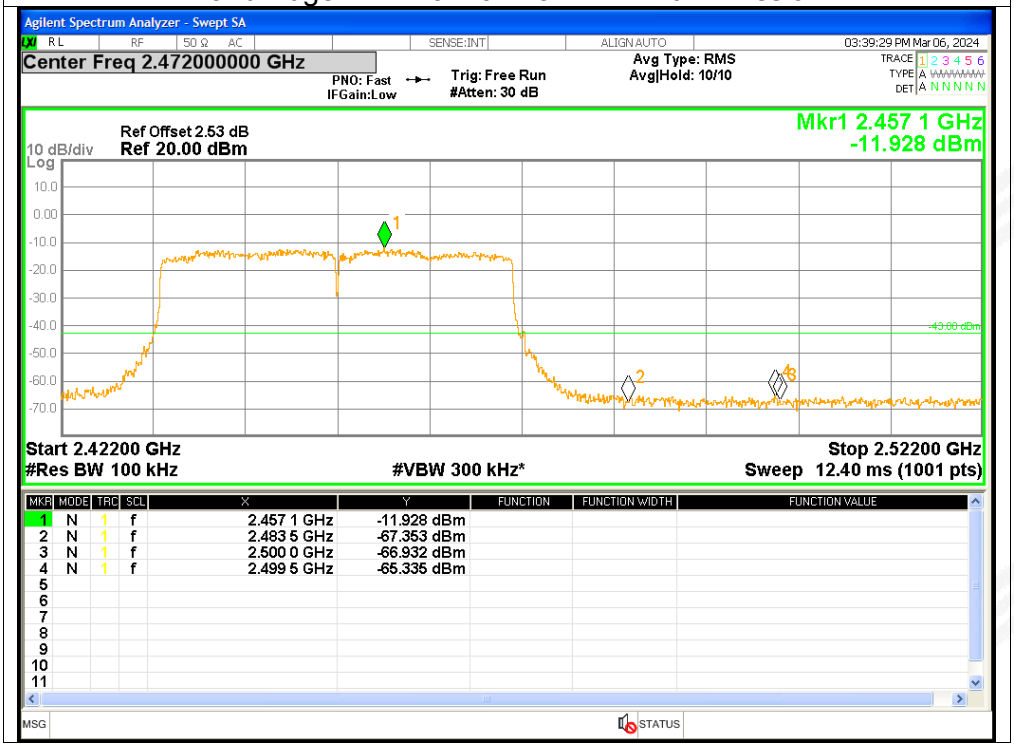


Band Edge NVNT ax40 2452MHz Ant1 Ref



Band Edge NVNT ax40 2452MHz Ant1 Emission



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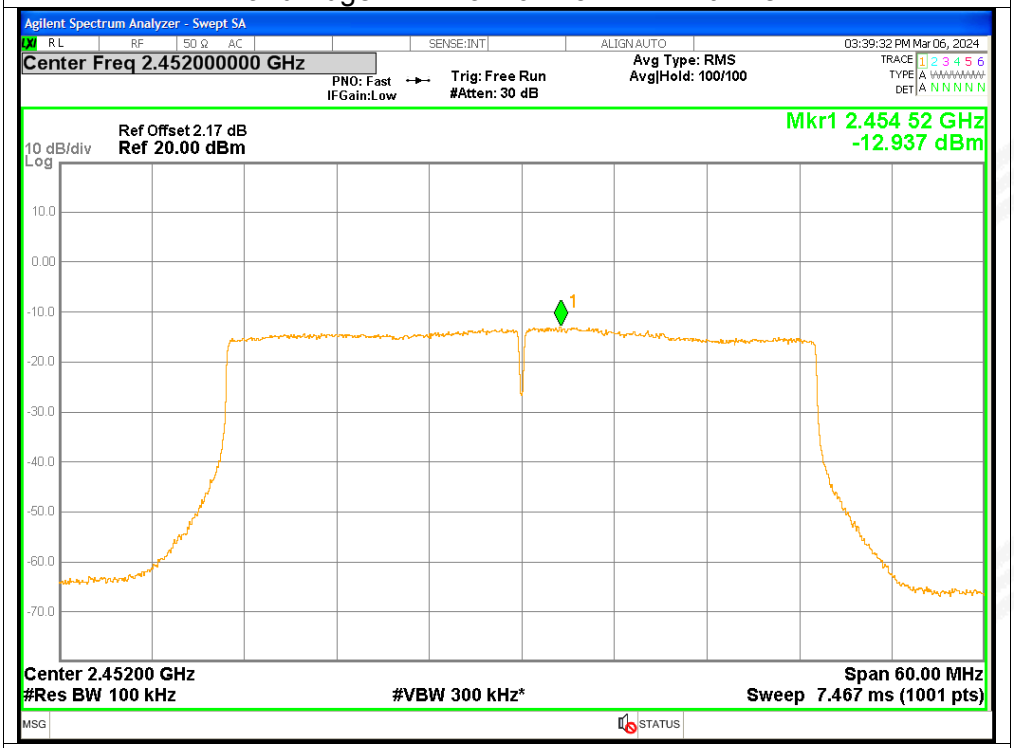

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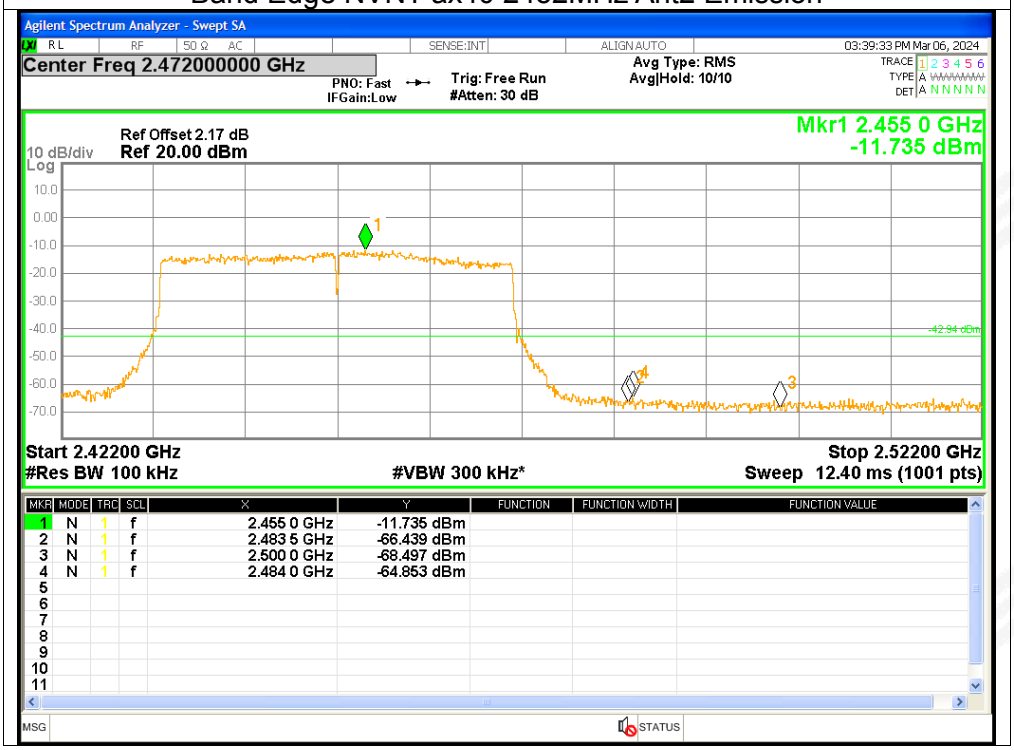

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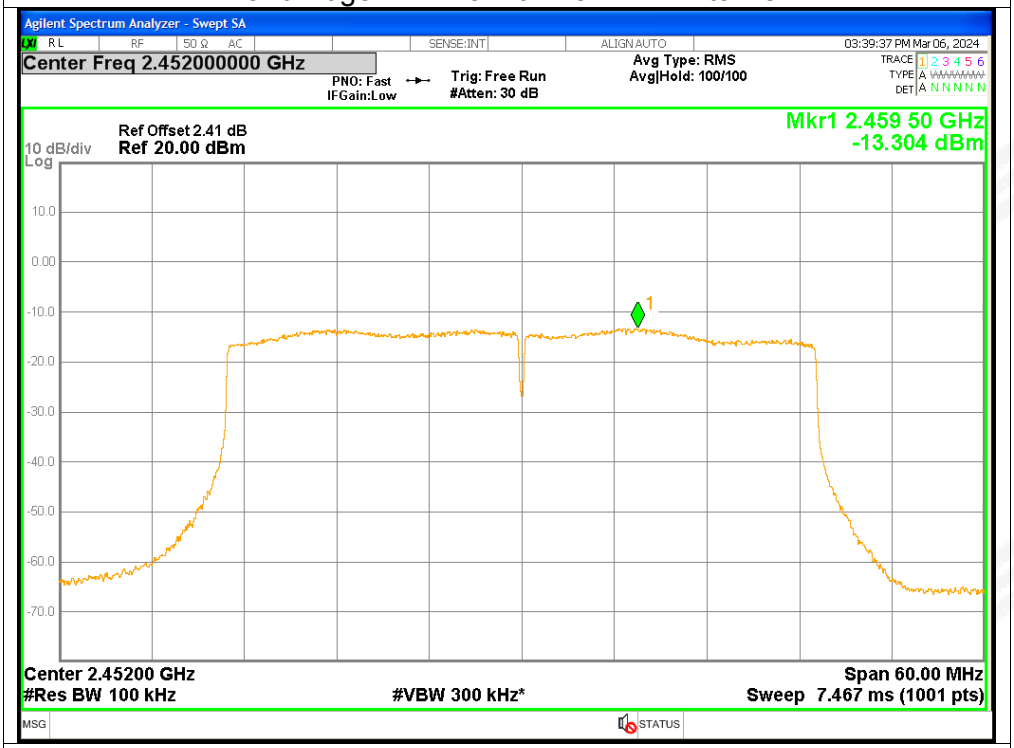
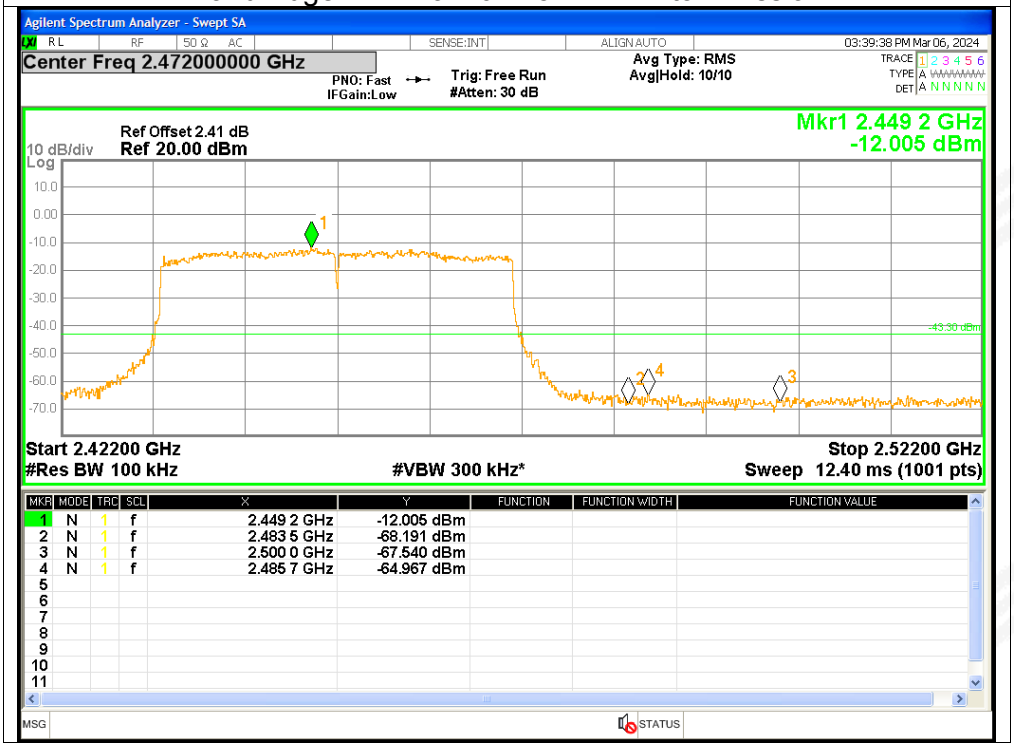


Band Edge NVNT ax40 2452MHz Ant3 Emission



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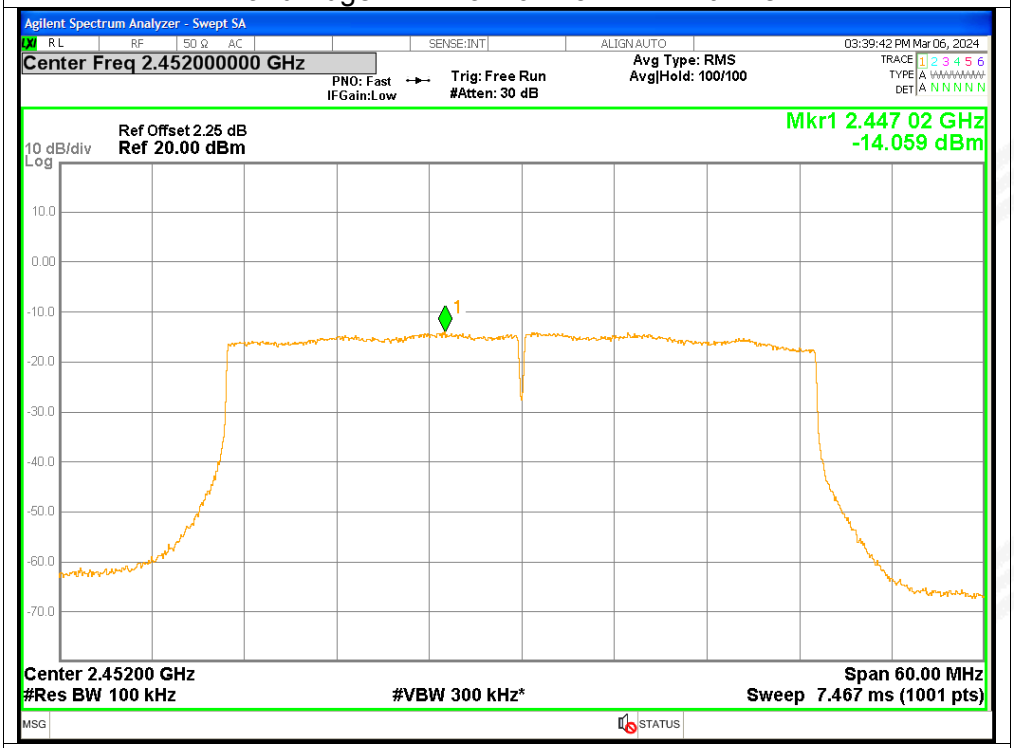
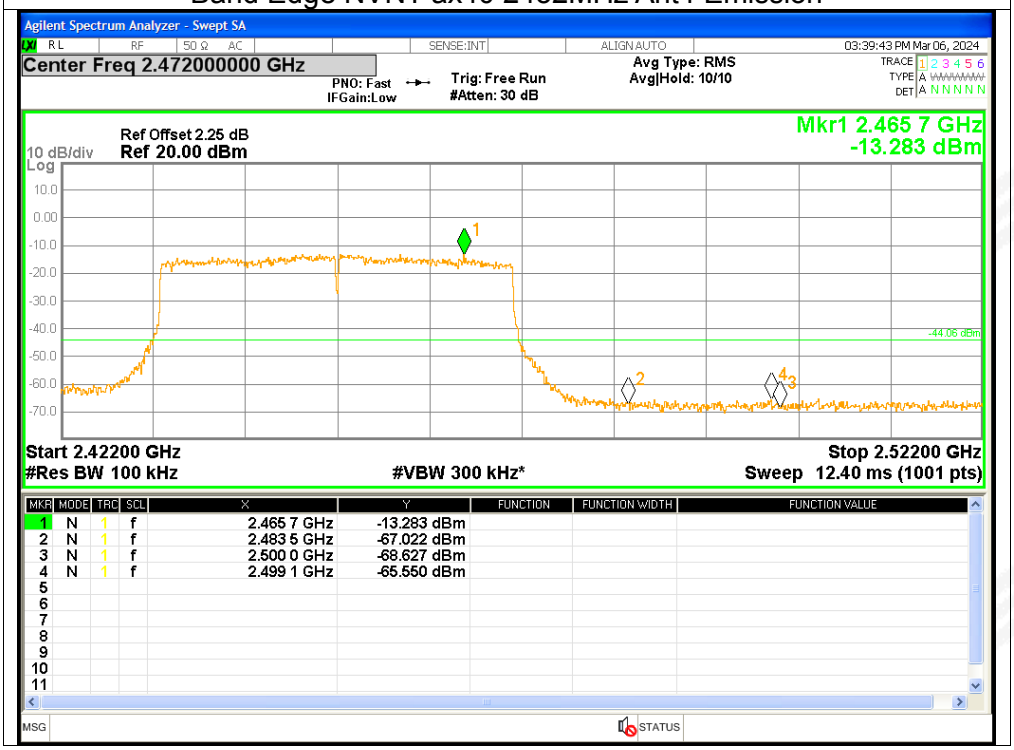
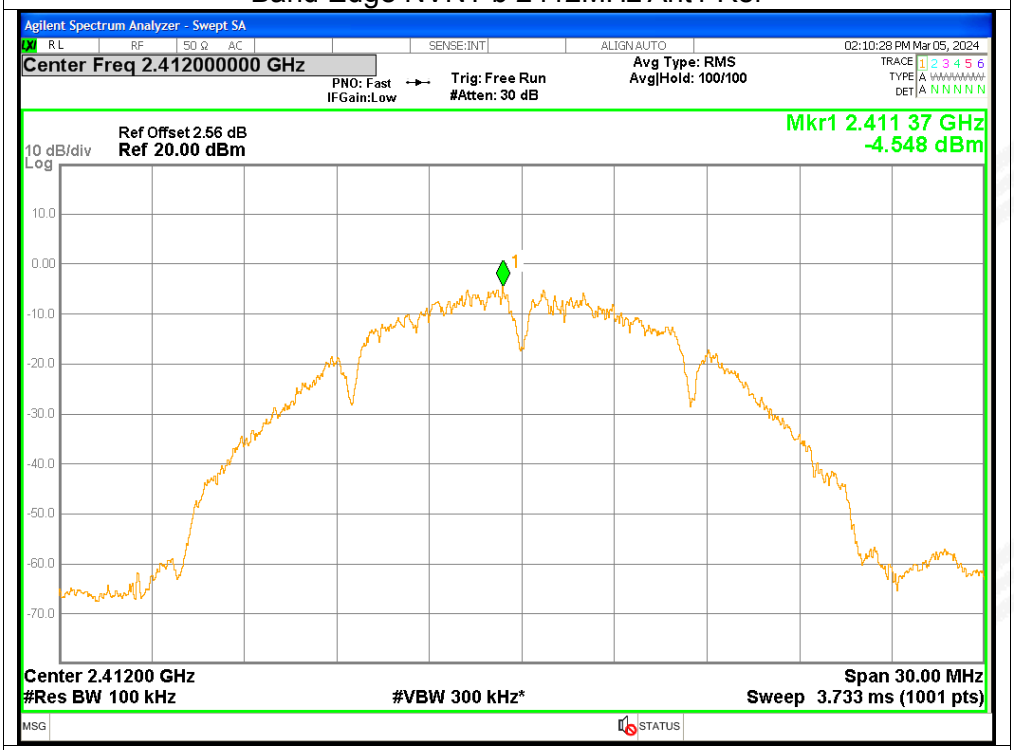


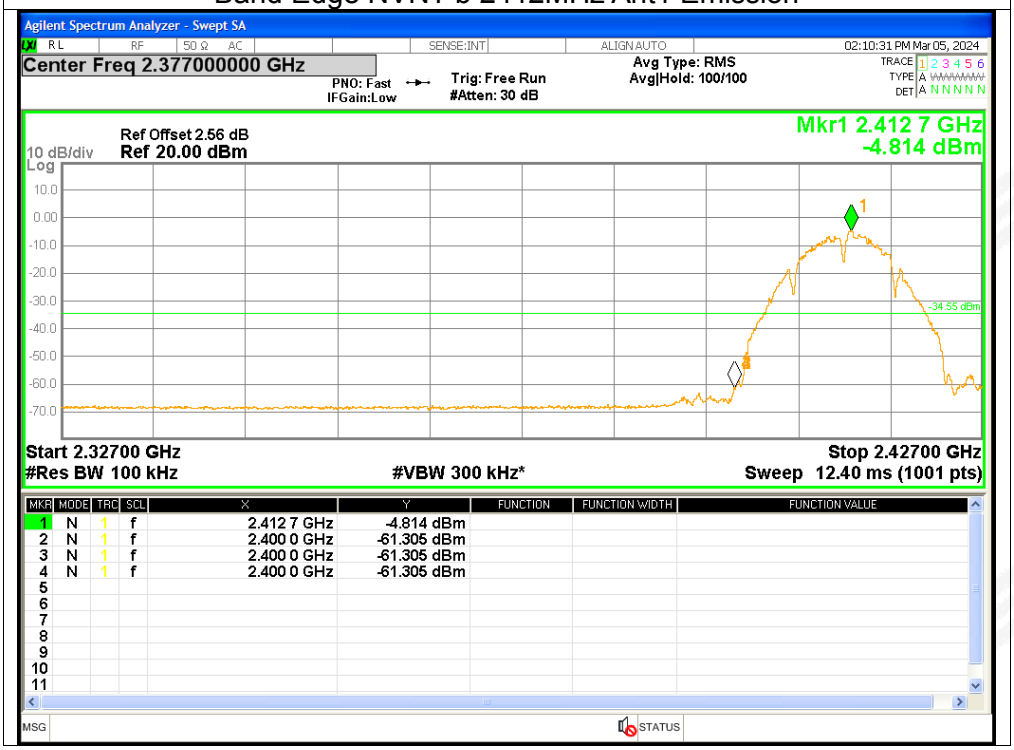
Band Edge NVNT ax40 2452MHz Ant4 Emission



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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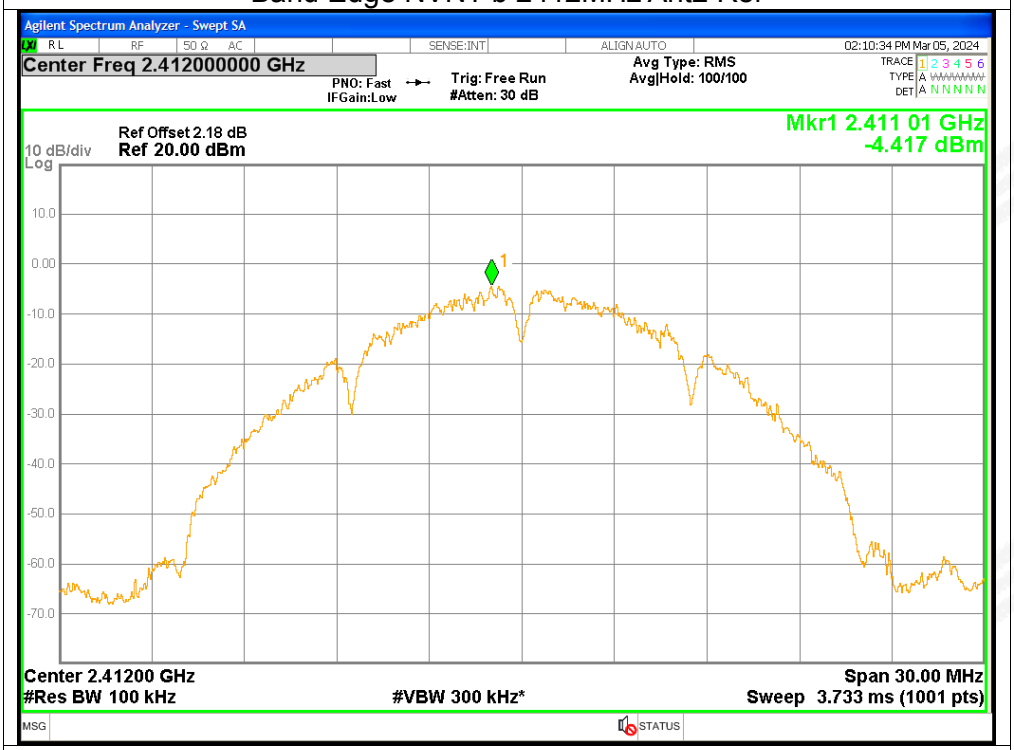

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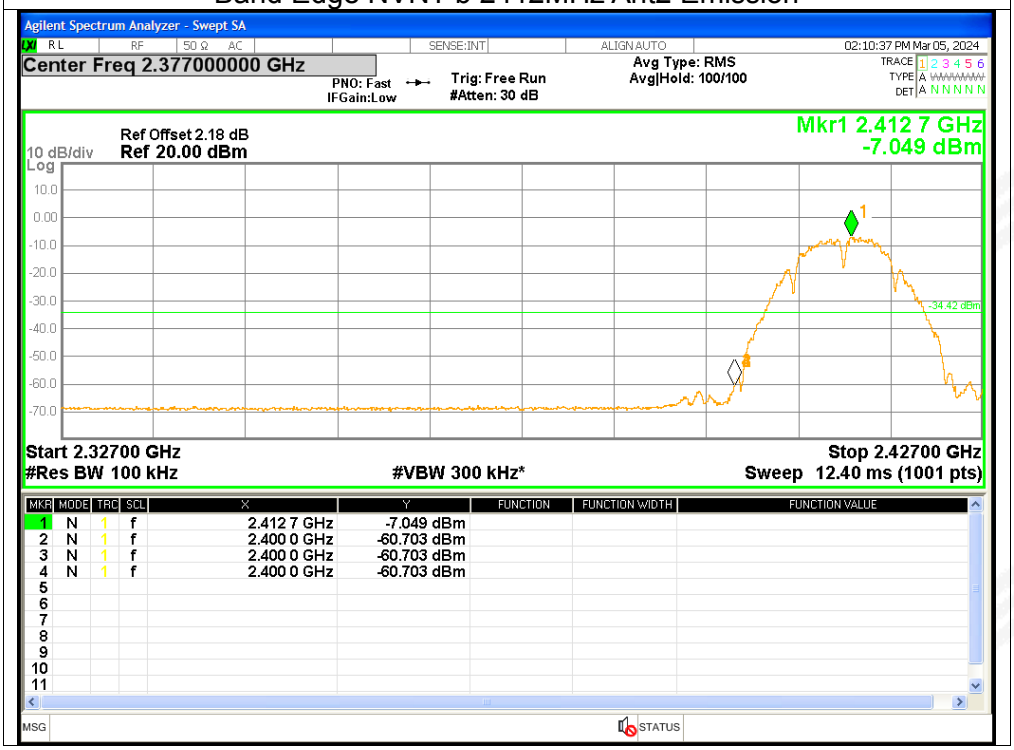

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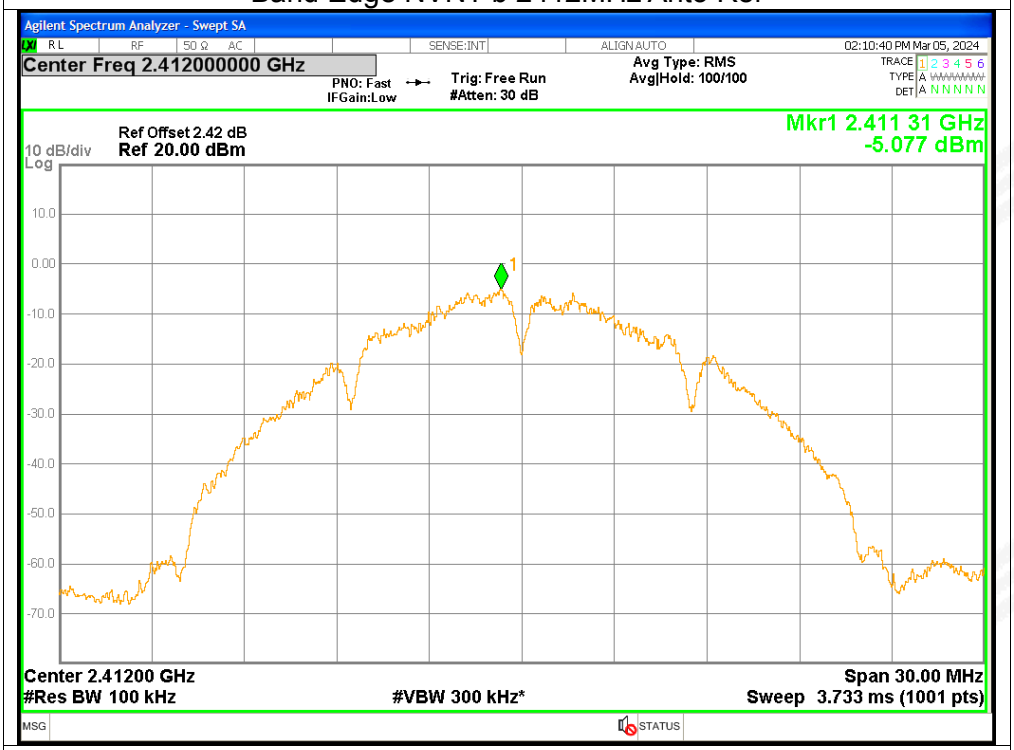
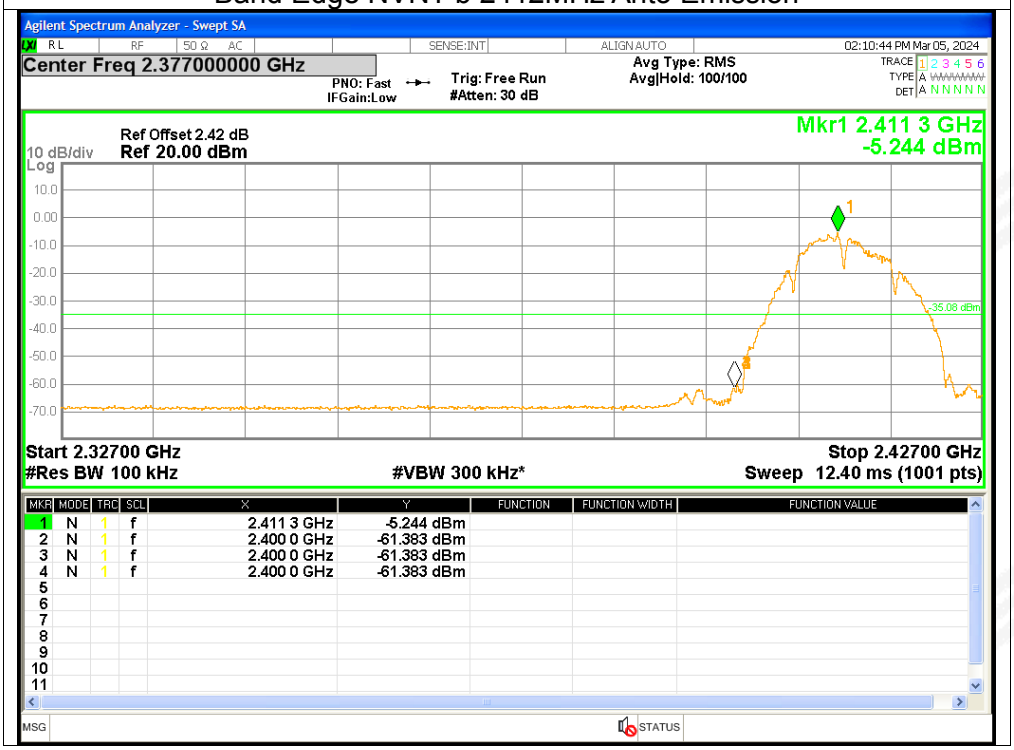


Band Edge NVNT b 2412MHz Ant3 Emission



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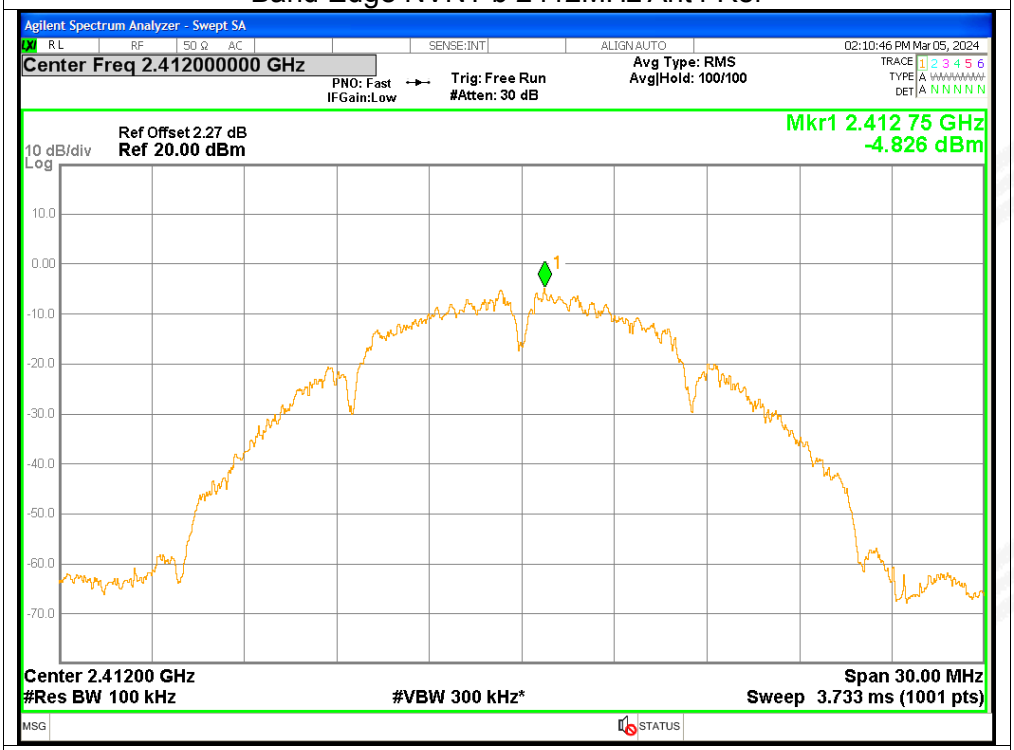

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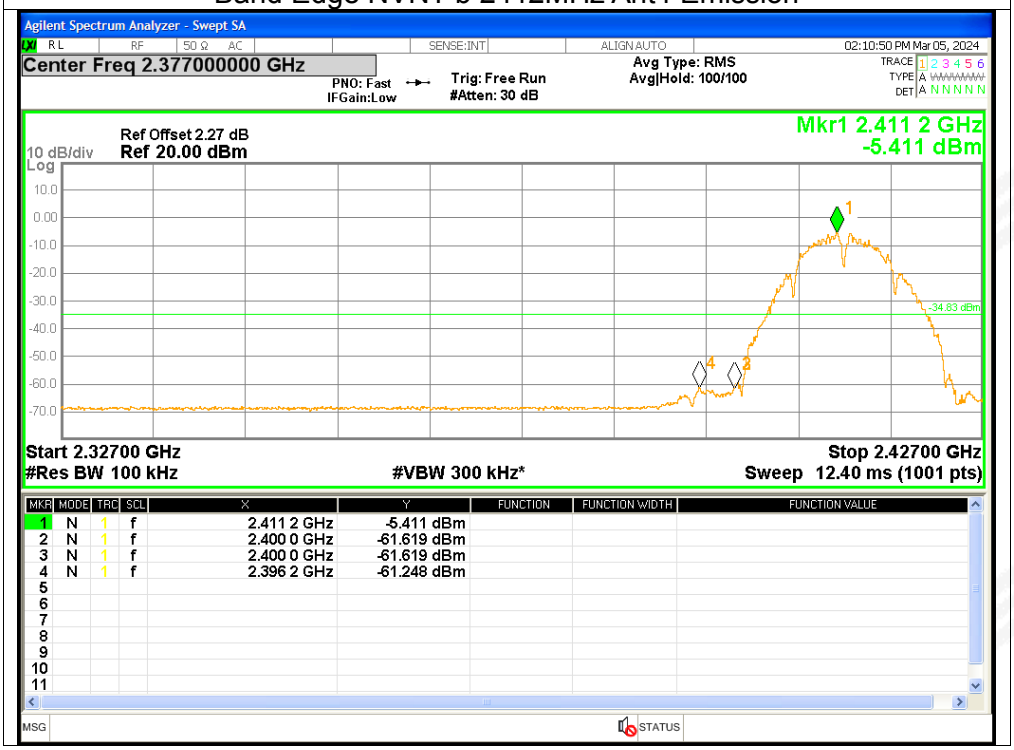
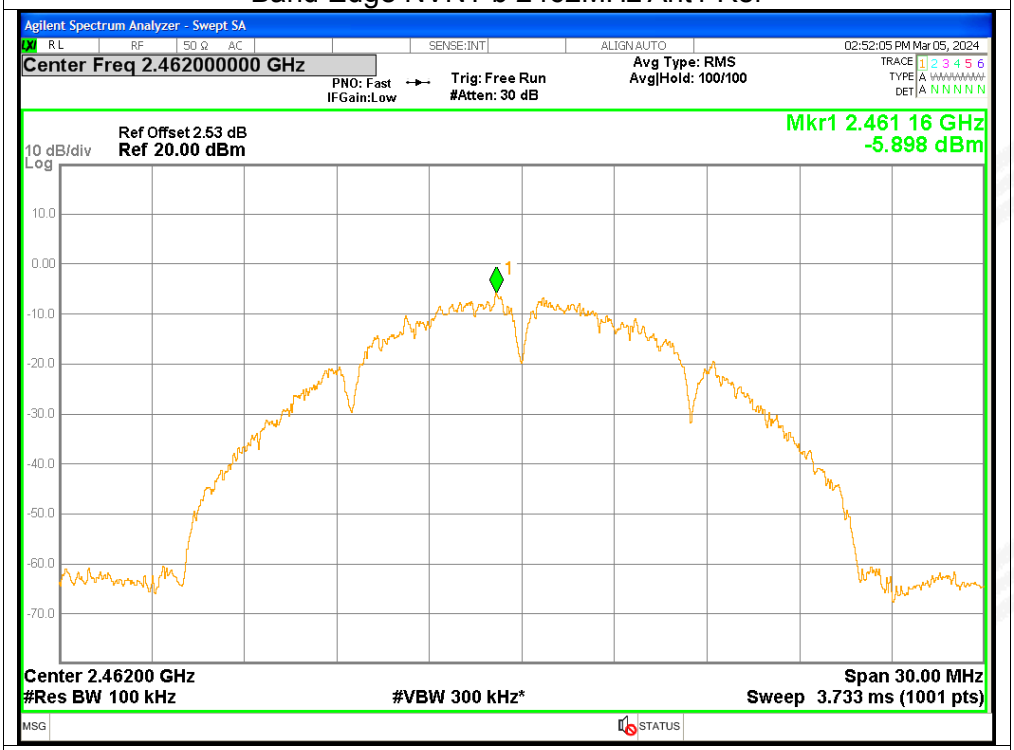
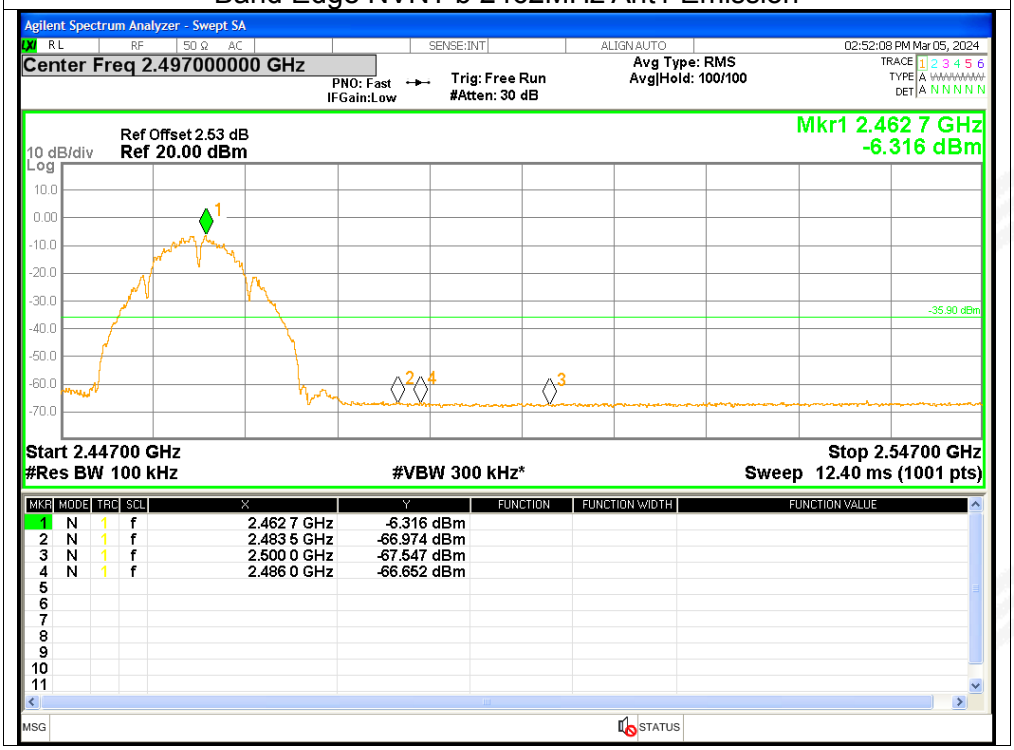


Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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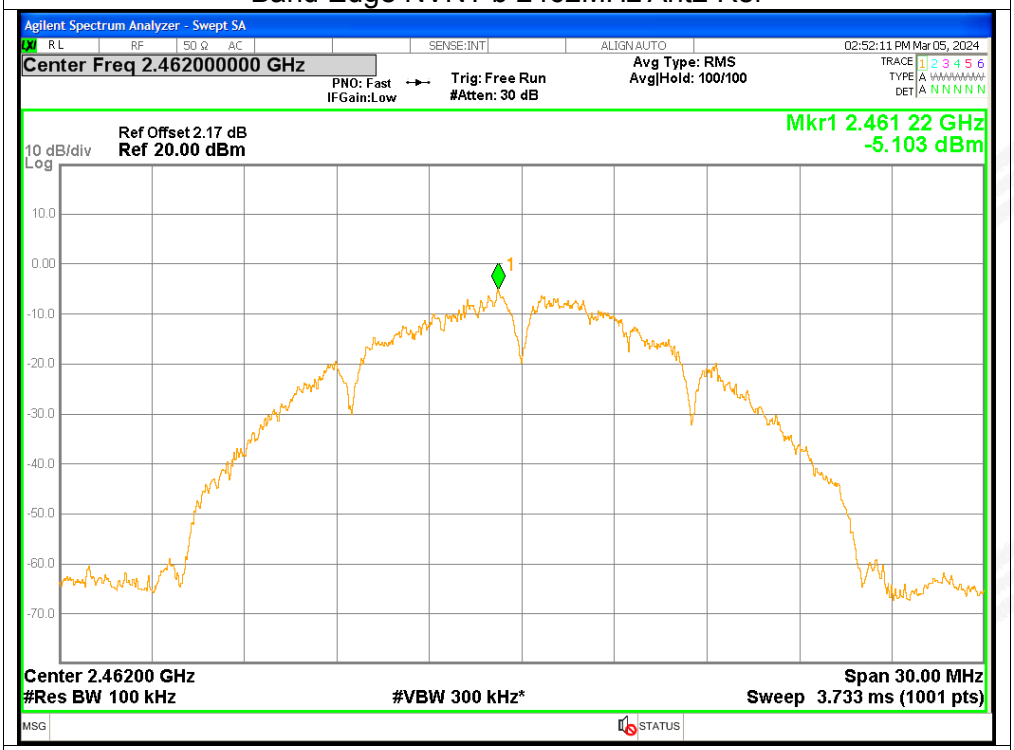

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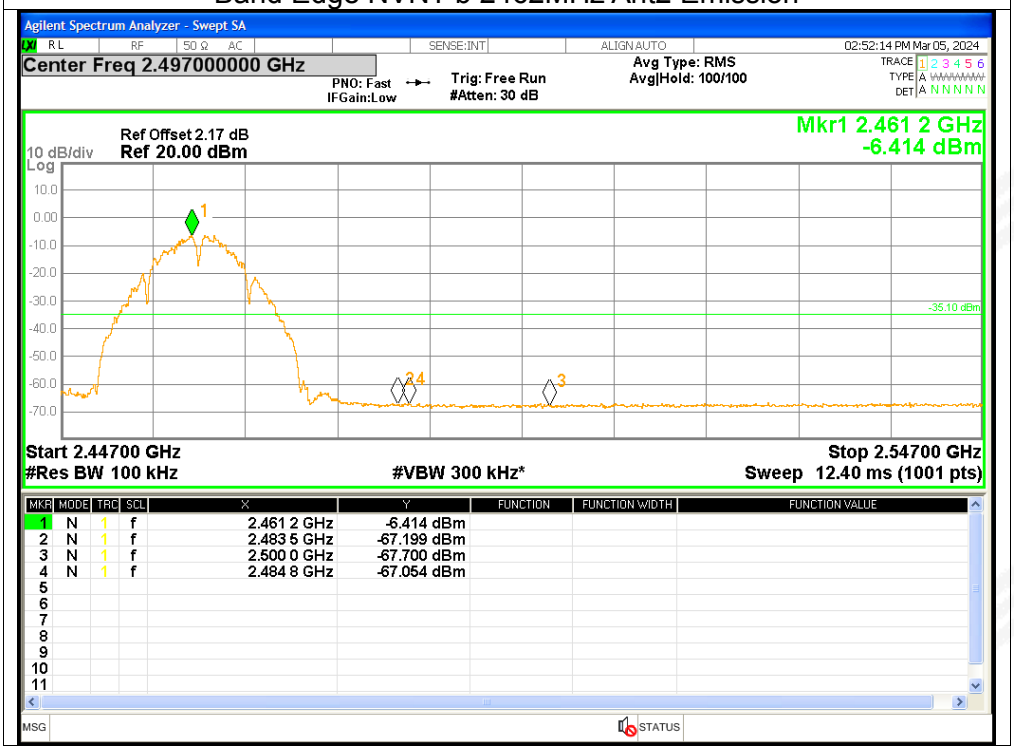
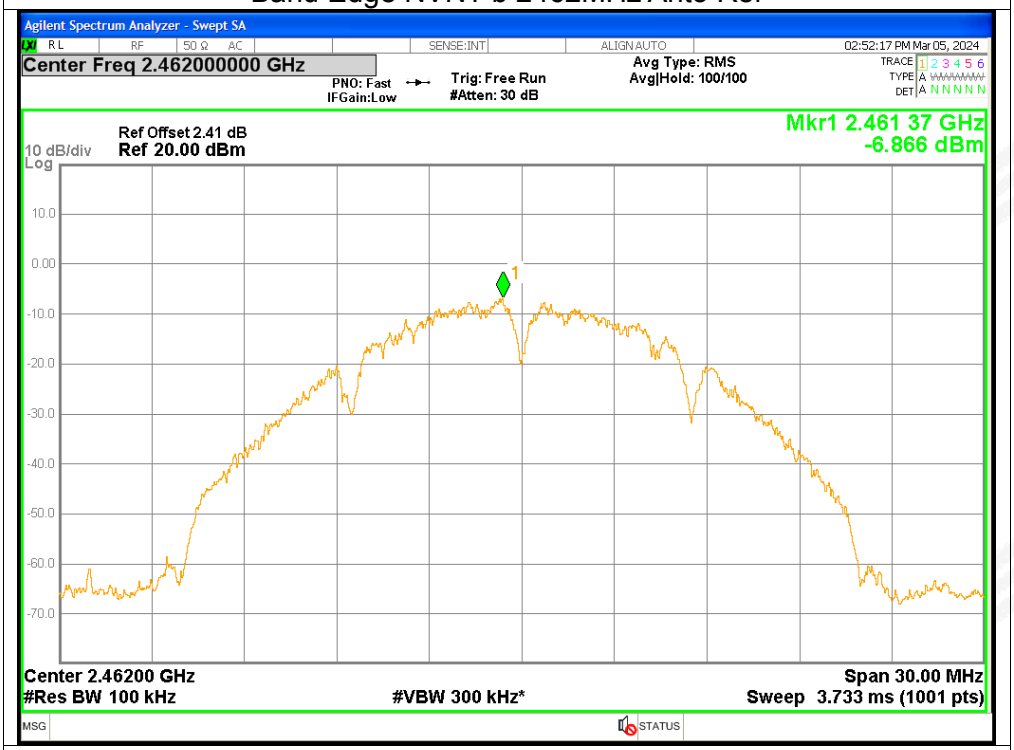
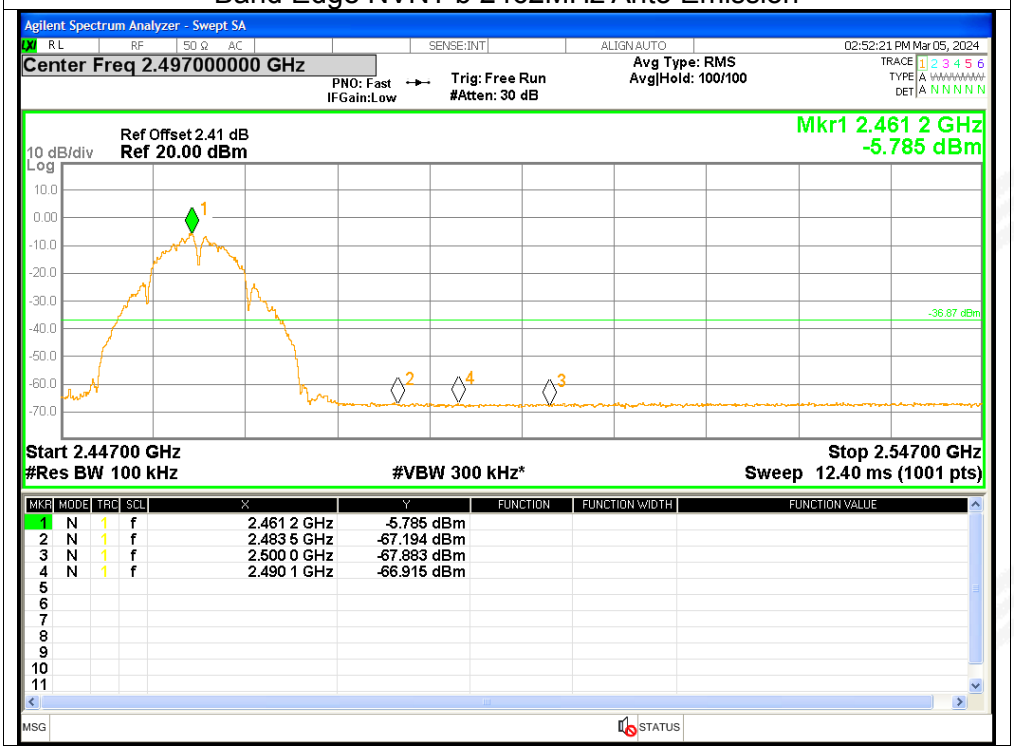


Band Edge NVNT b 2462MHz Ant3 Ref



Band Edge NVNT b 2462MHz Ant3 Emission



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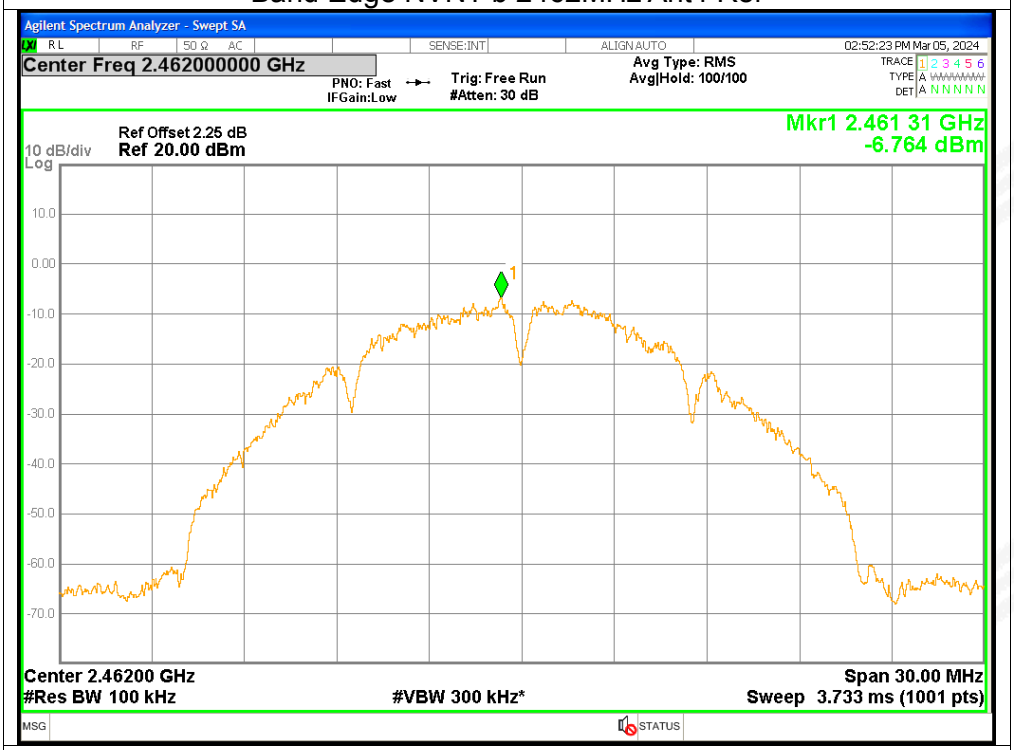

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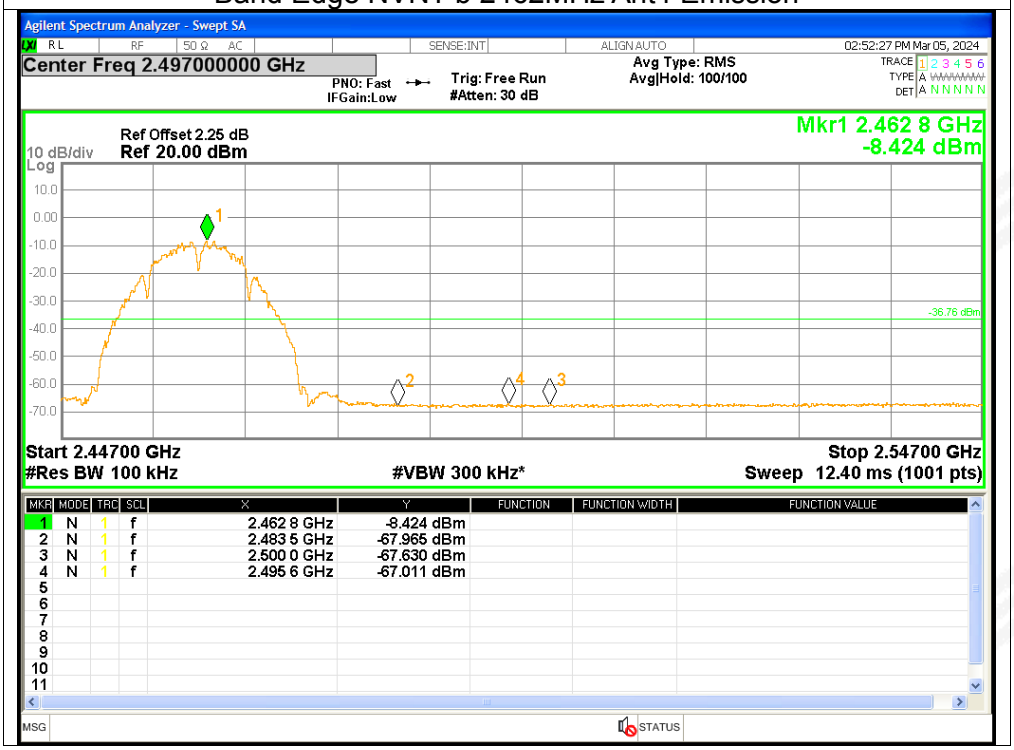
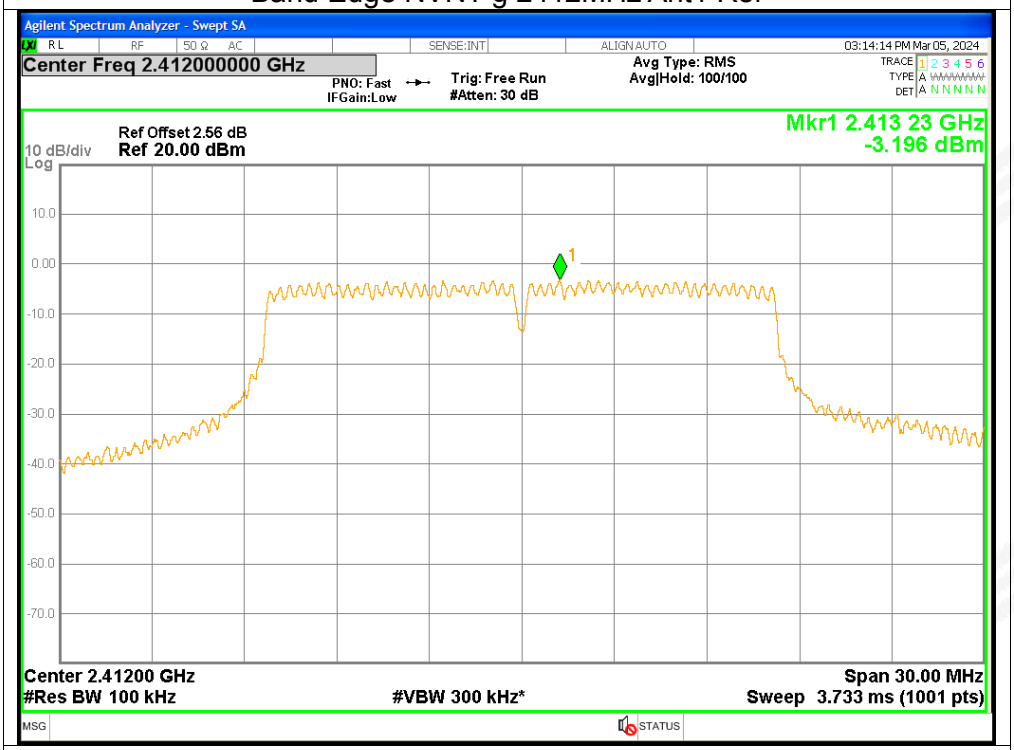


Band Edge NVNT g 2412MHz Ant1 Ref



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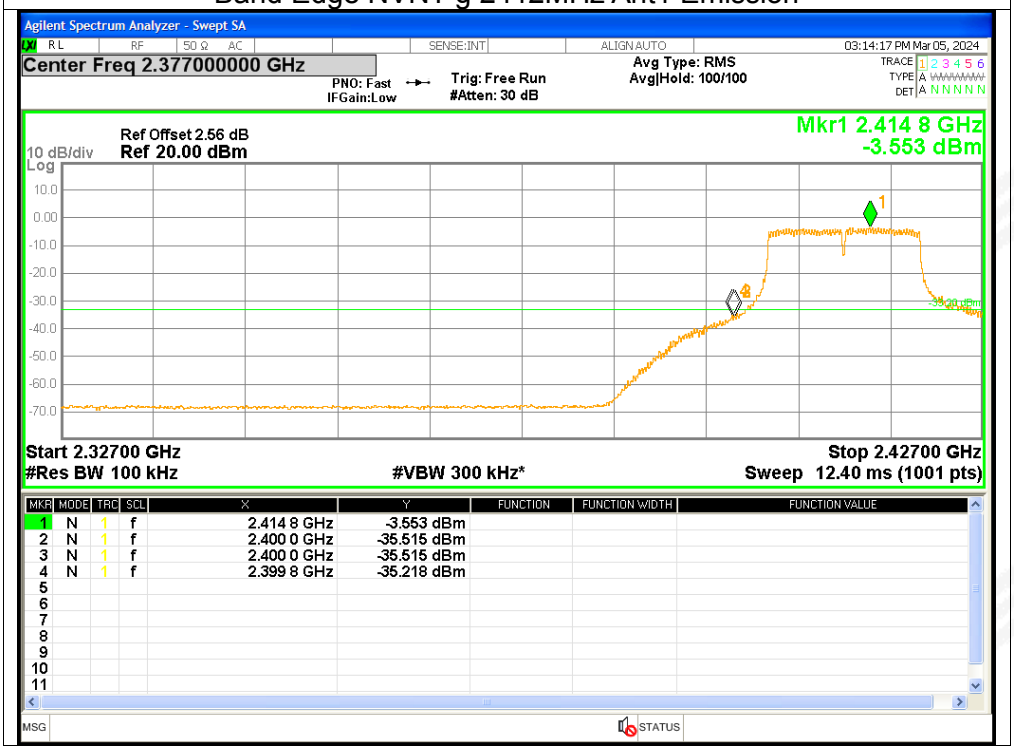

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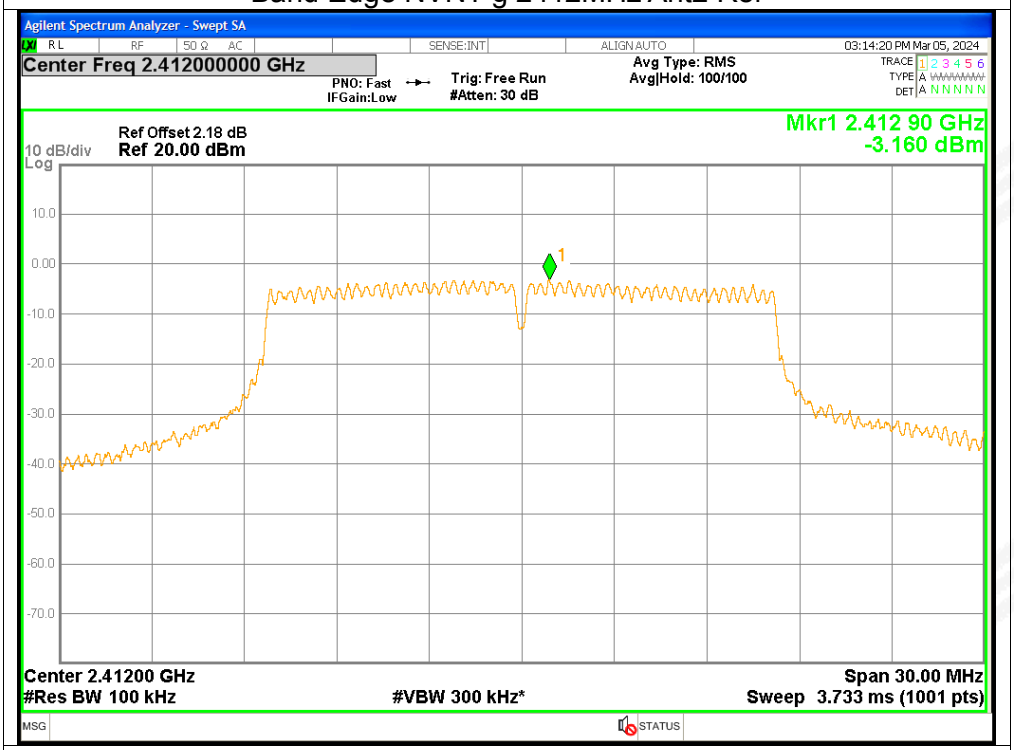

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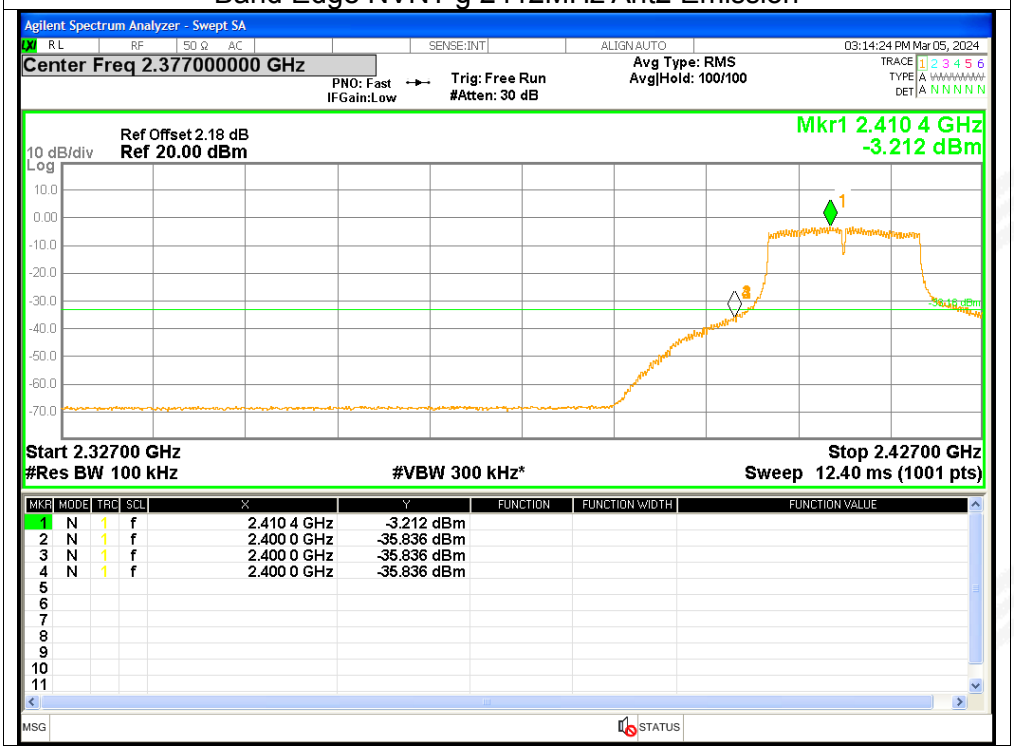

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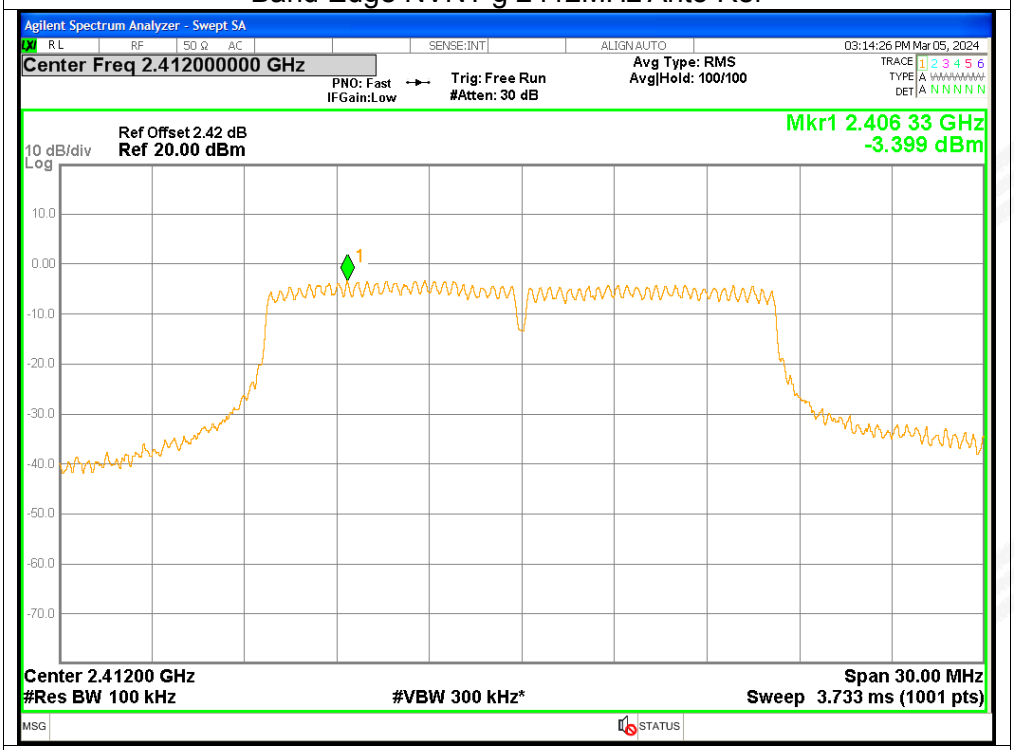
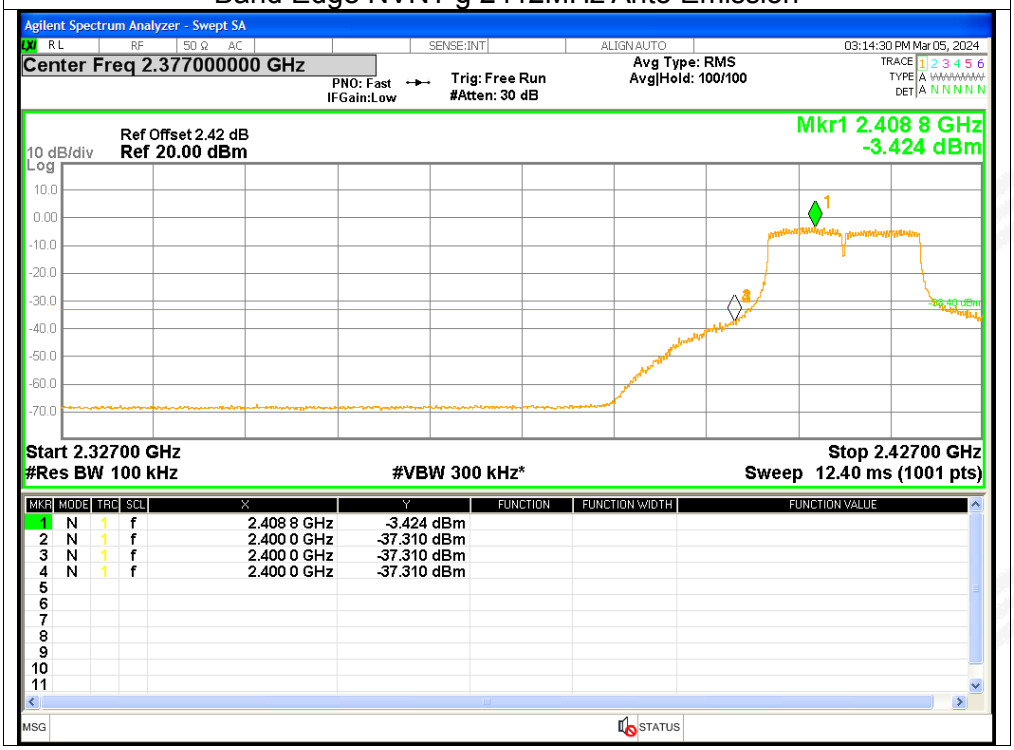


Band Edge NVNT g 2412MHz Ant3 Emission



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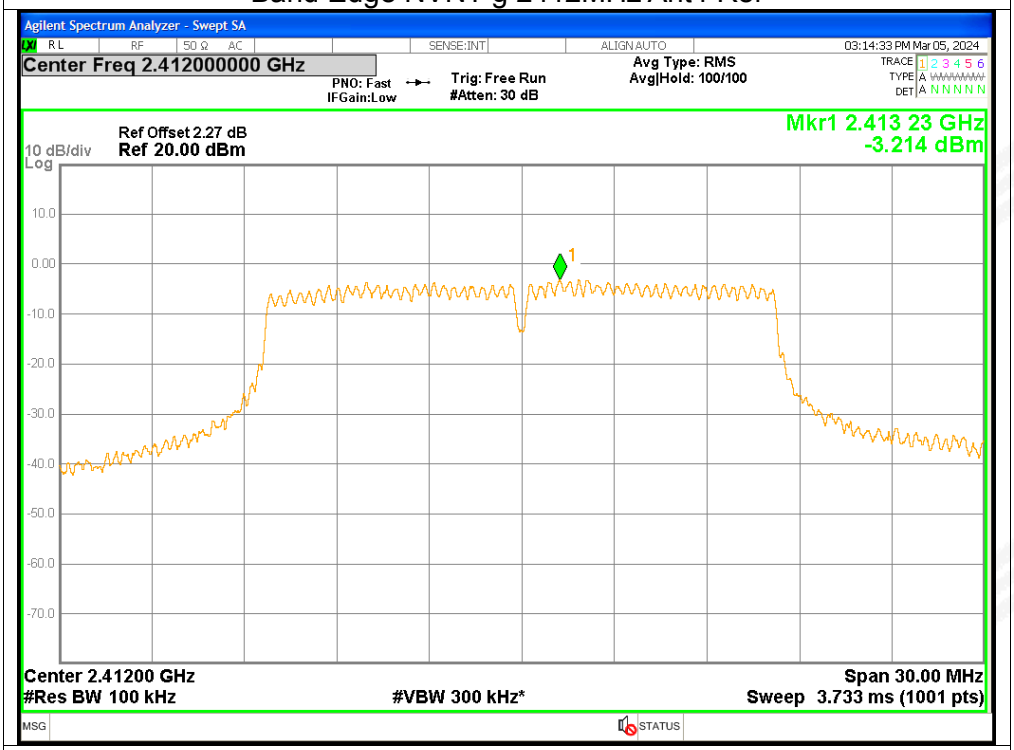

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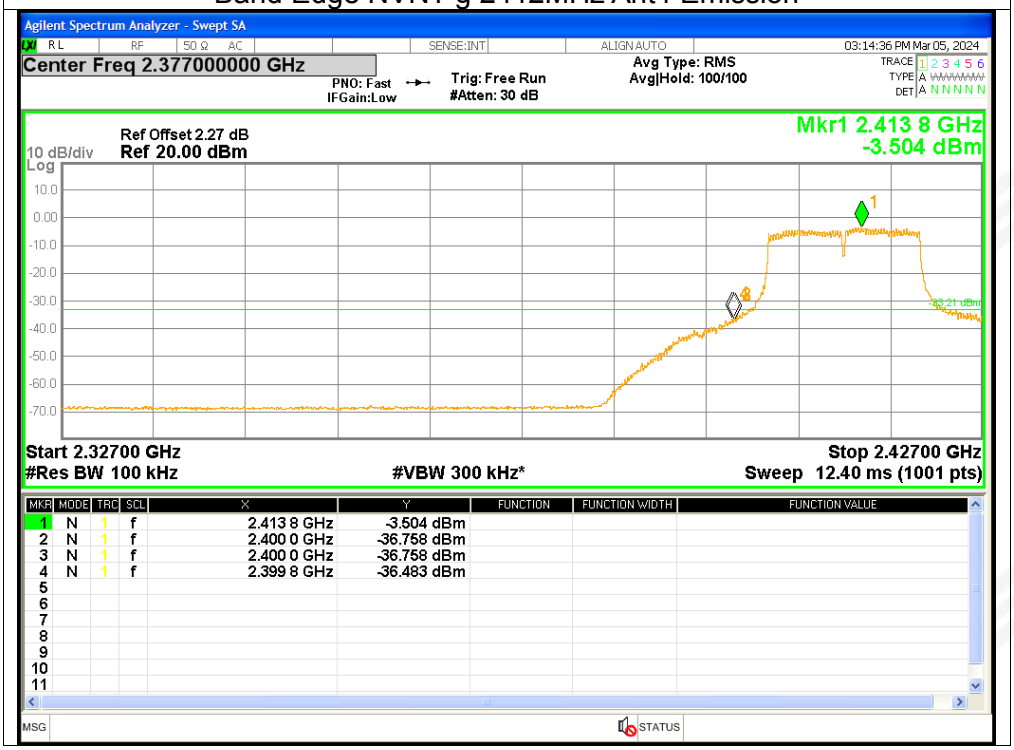
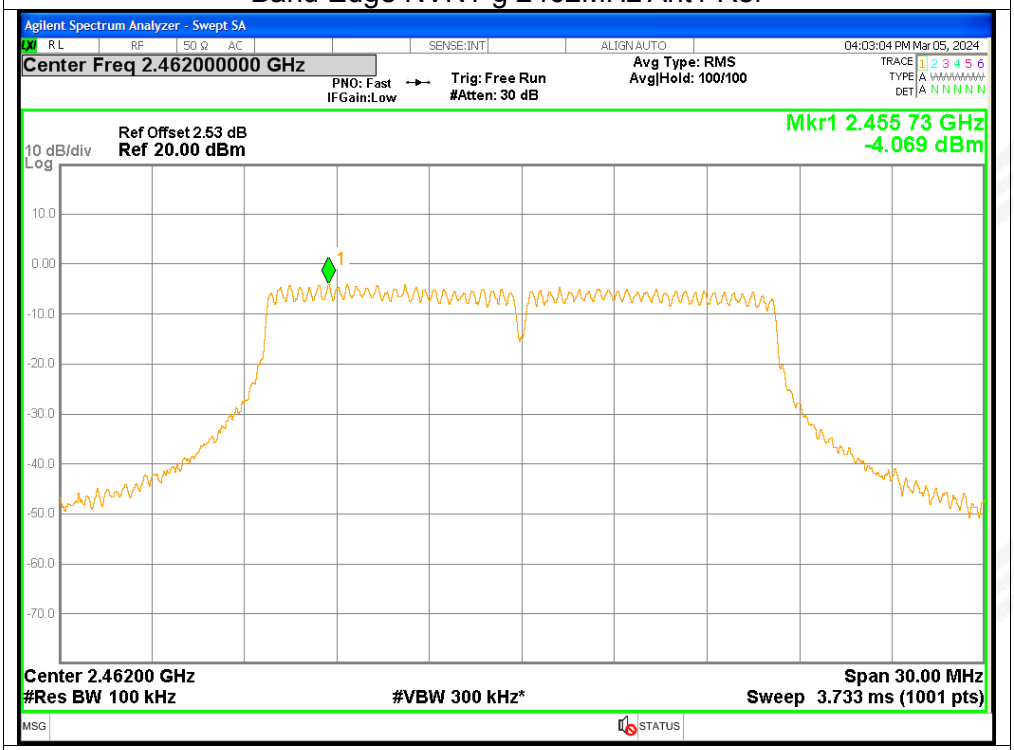
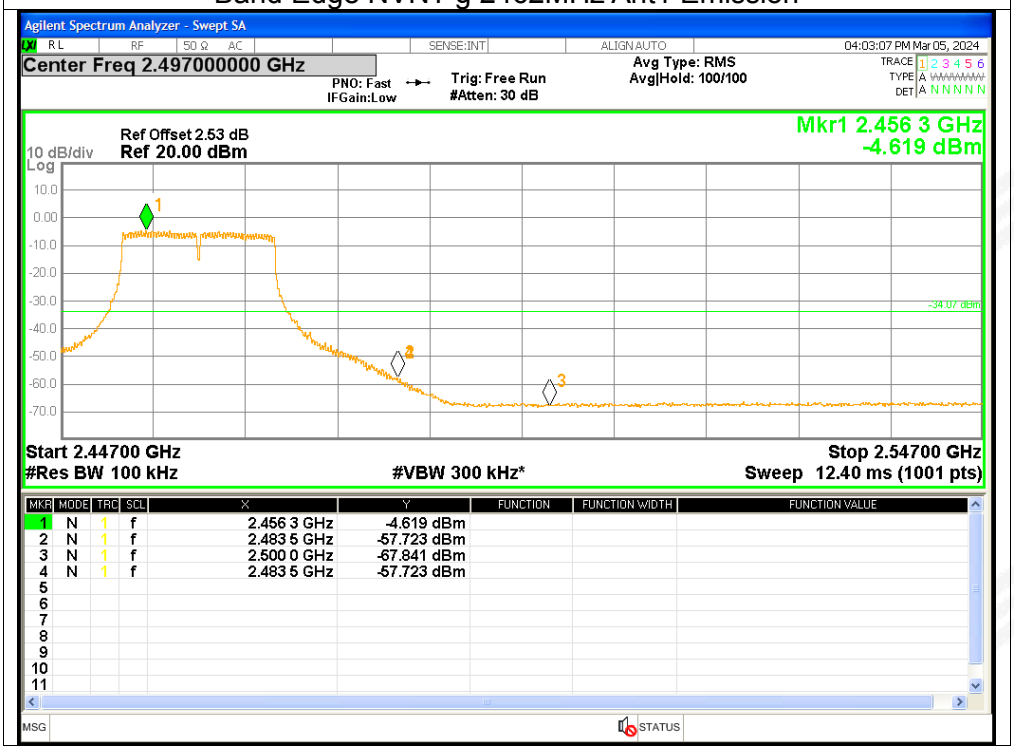


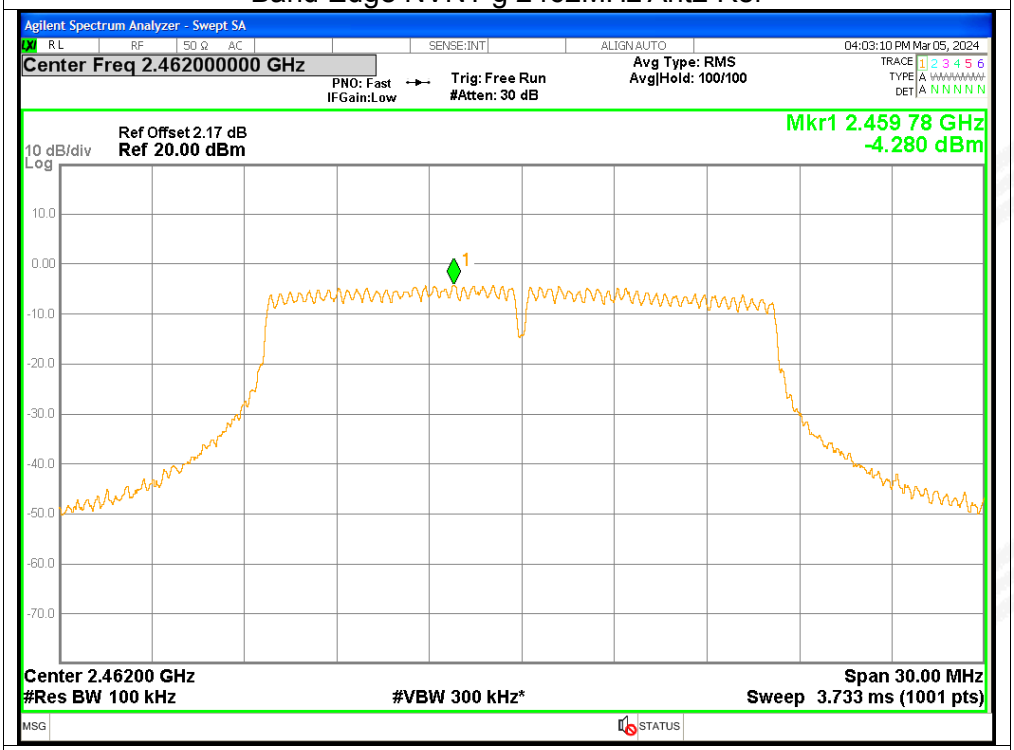
Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant2 Ref



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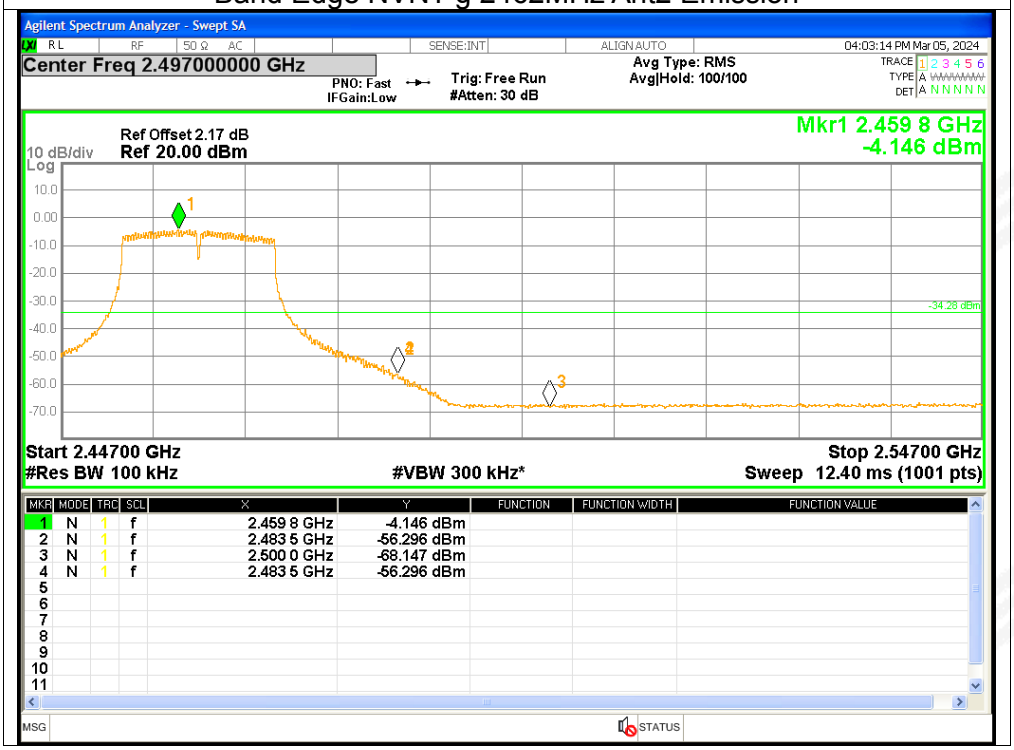

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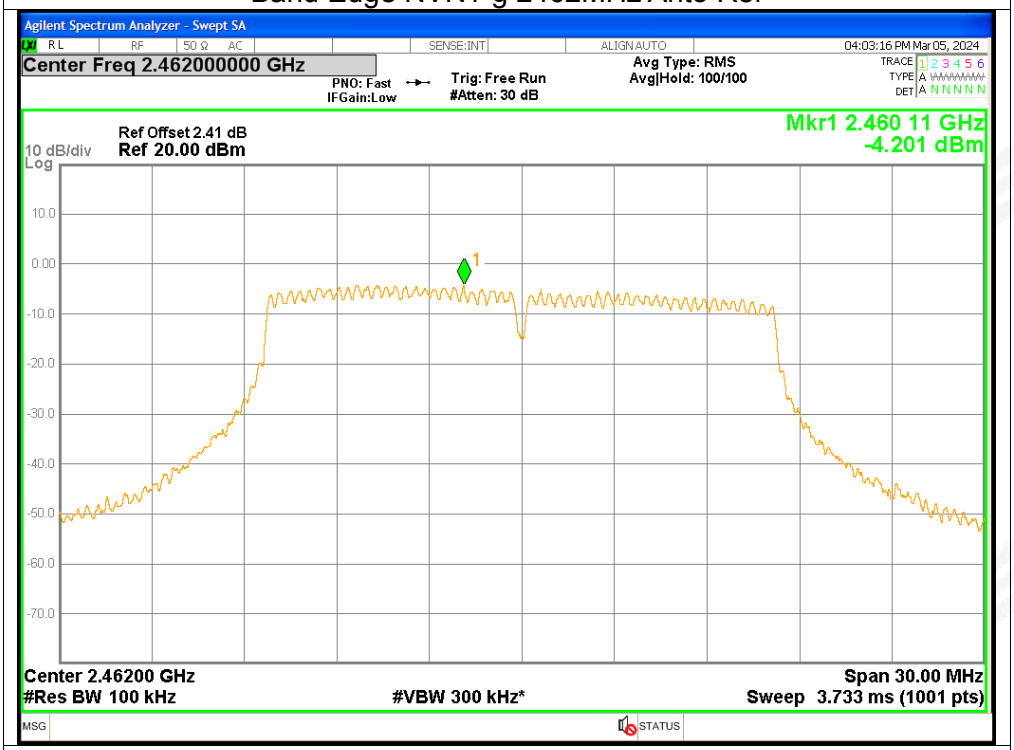
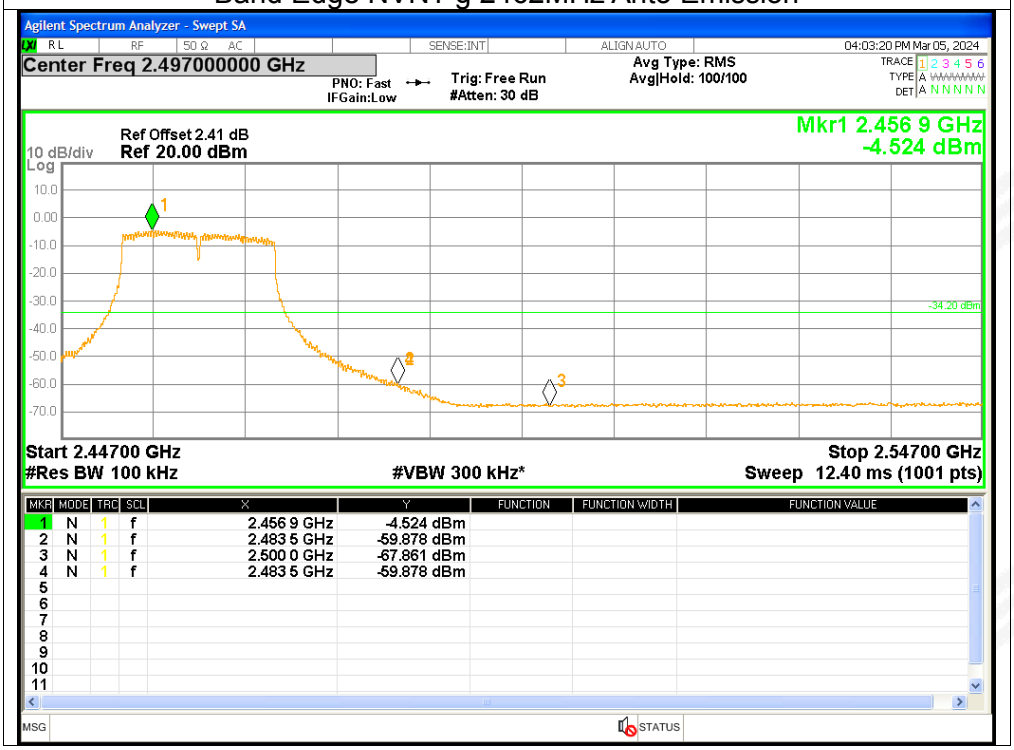


Band Edge NVNT g 2462MHz Ant3 Emission



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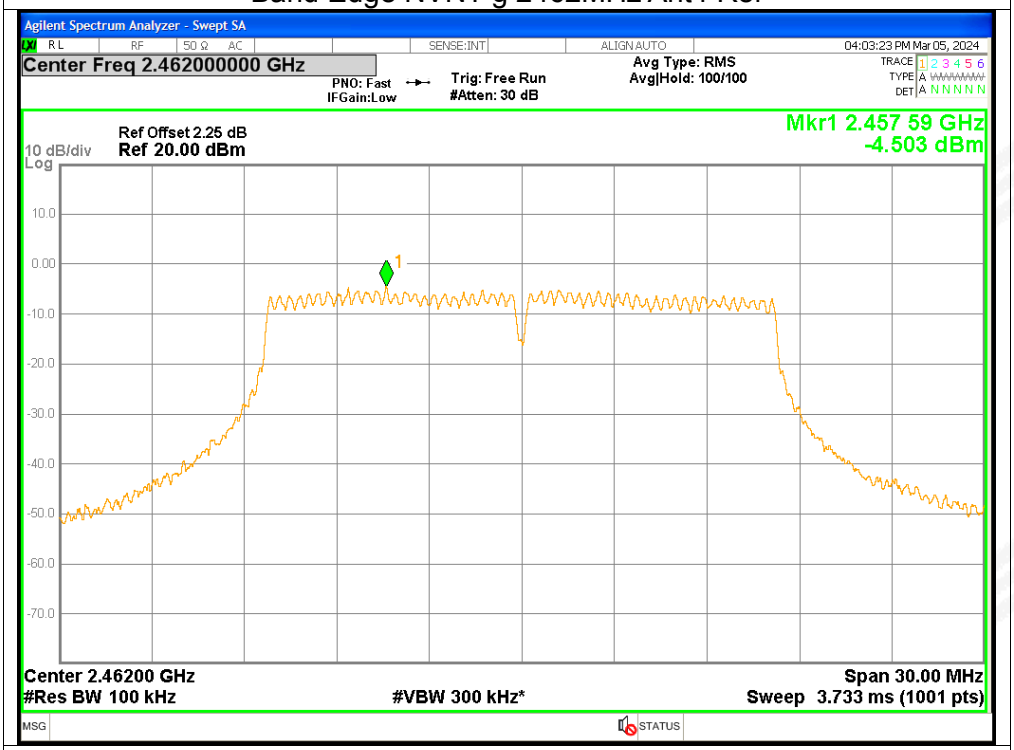
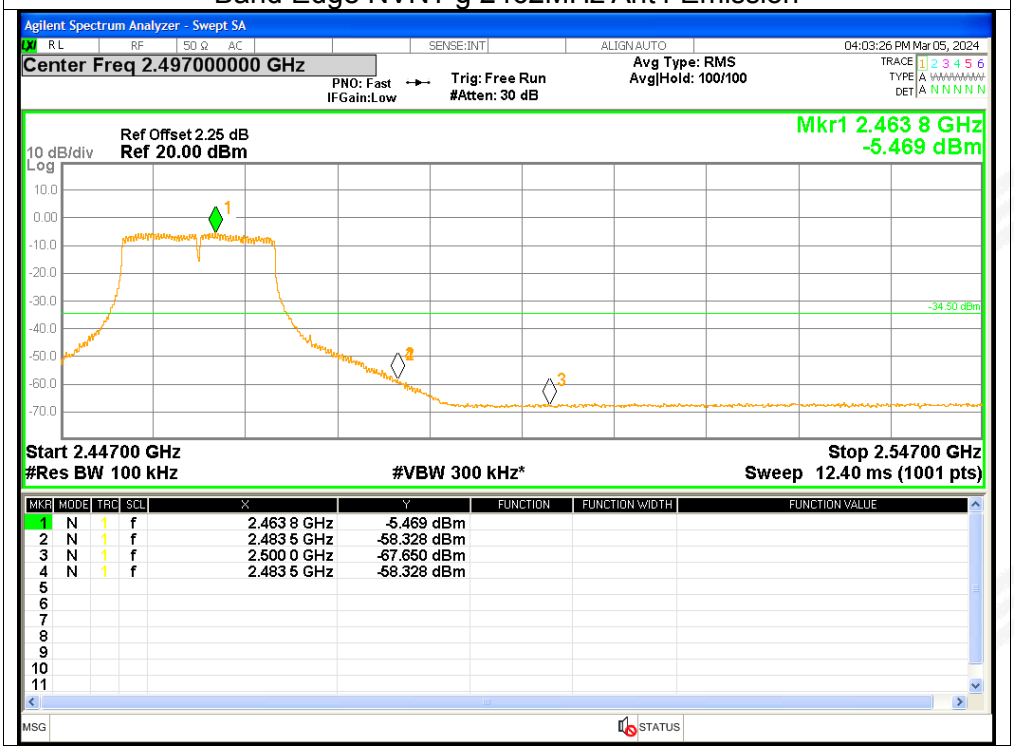
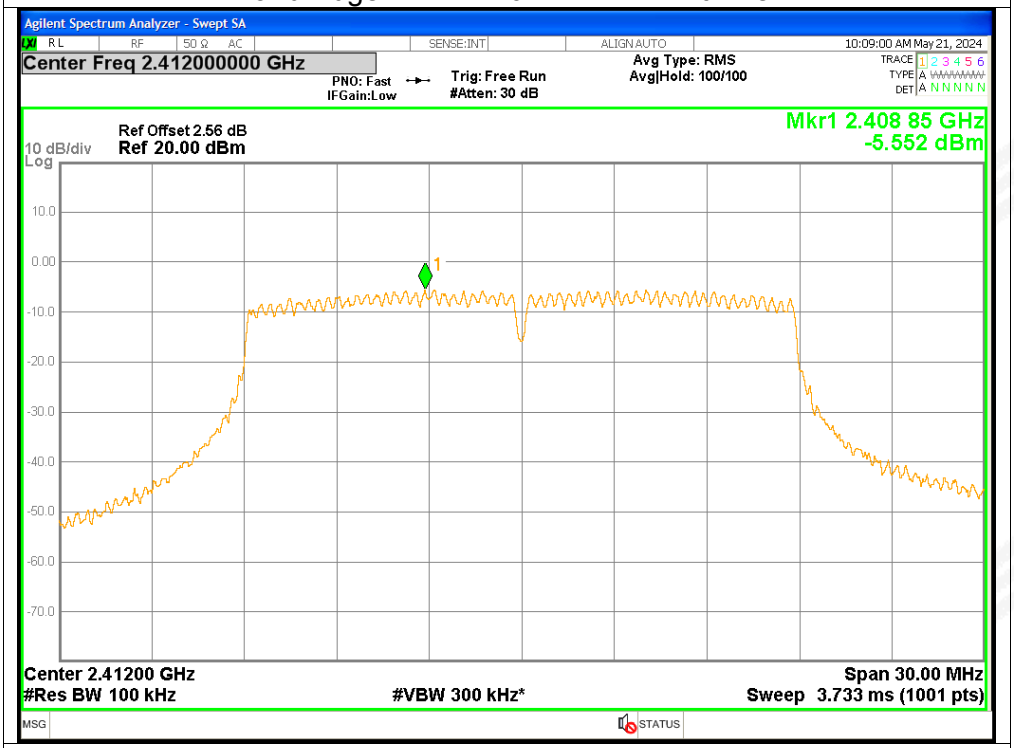


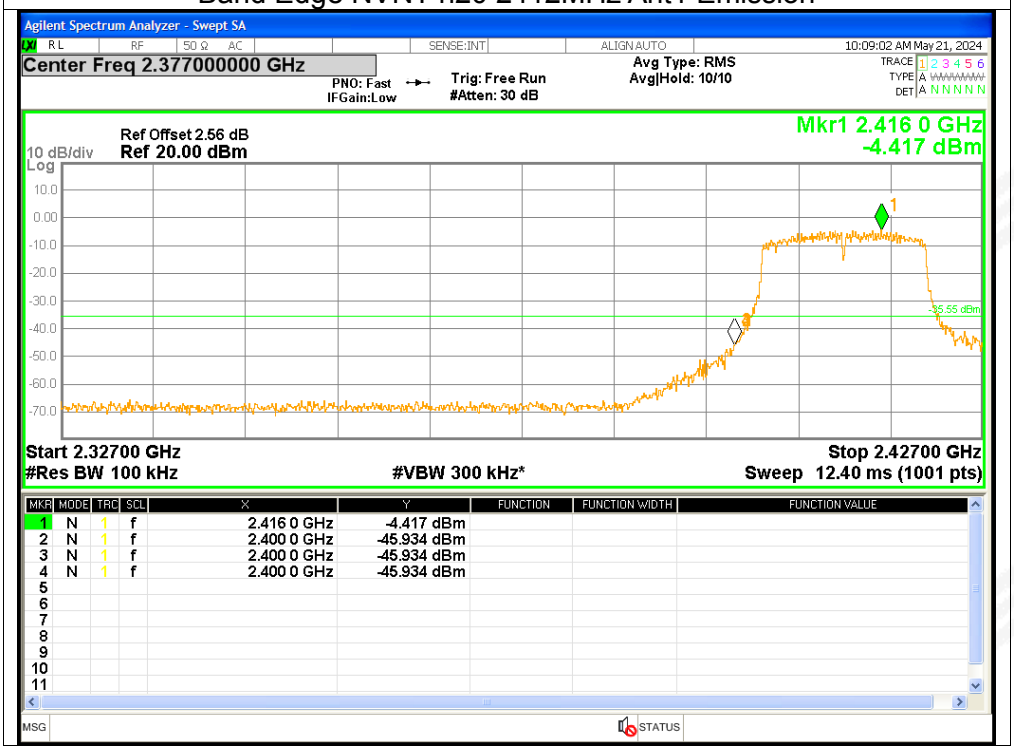
Band Edge NVNT g 2462MHz Ant4 Emission



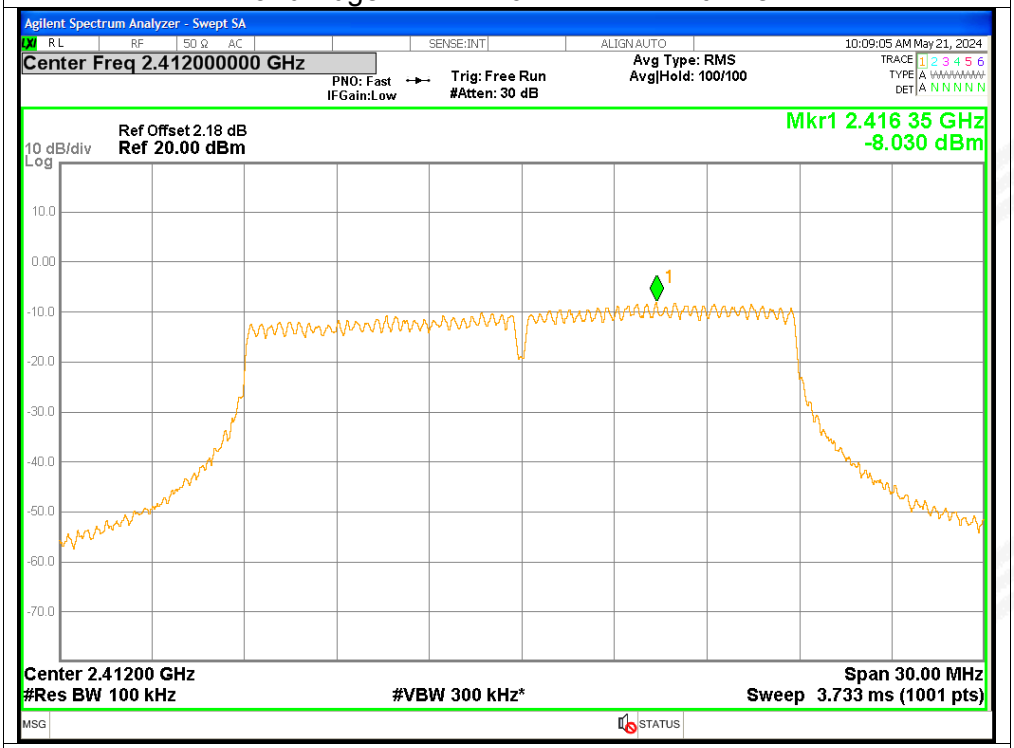
Band Edge NVNT n20 2412MHz Ant1 Ref



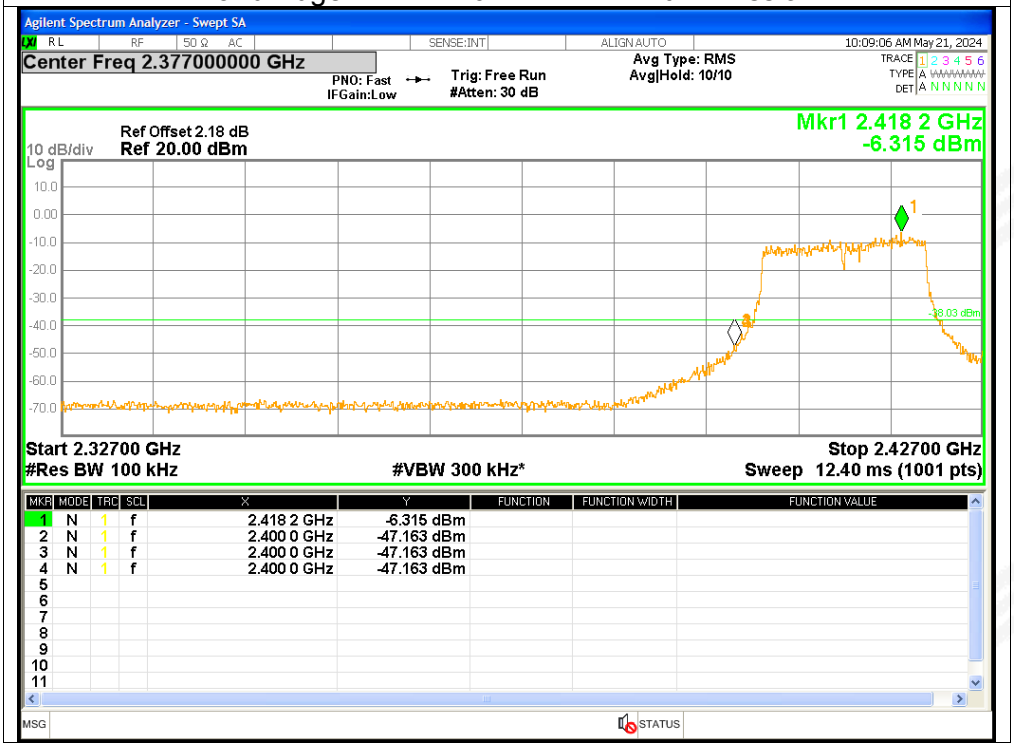
Band Edge NVNT n20 2412MHz Ant1 Emission



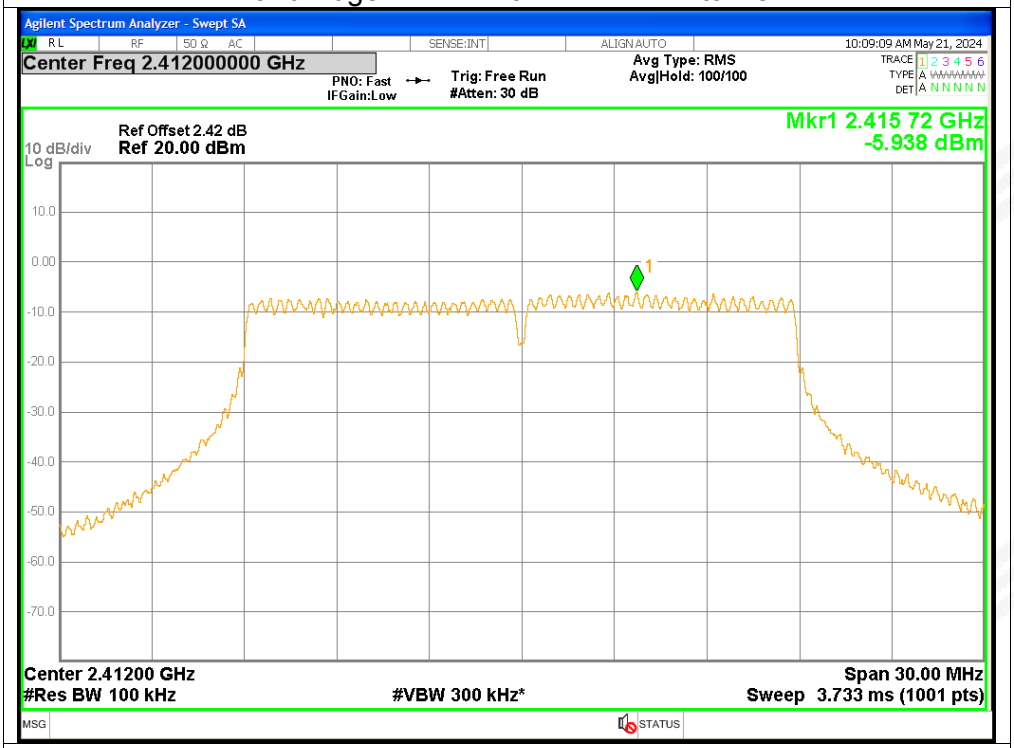
Band Edge NVNT n20 2412MHz Ant2 Ref



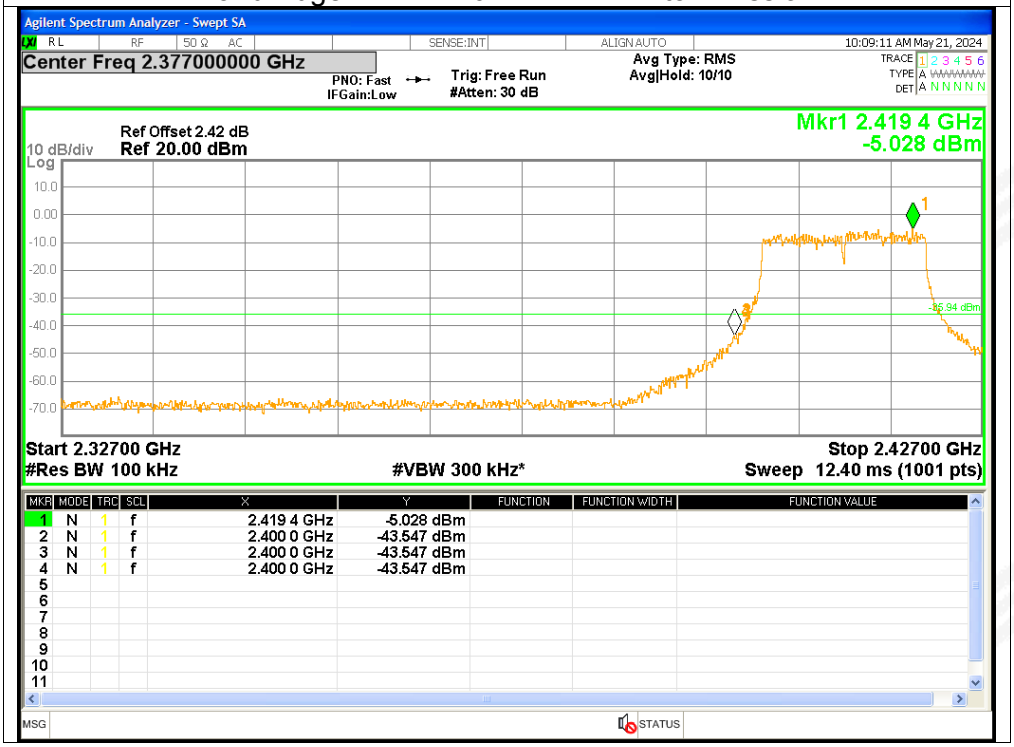
Band Edge NVNT n20 2412MHz Ant2 Emission



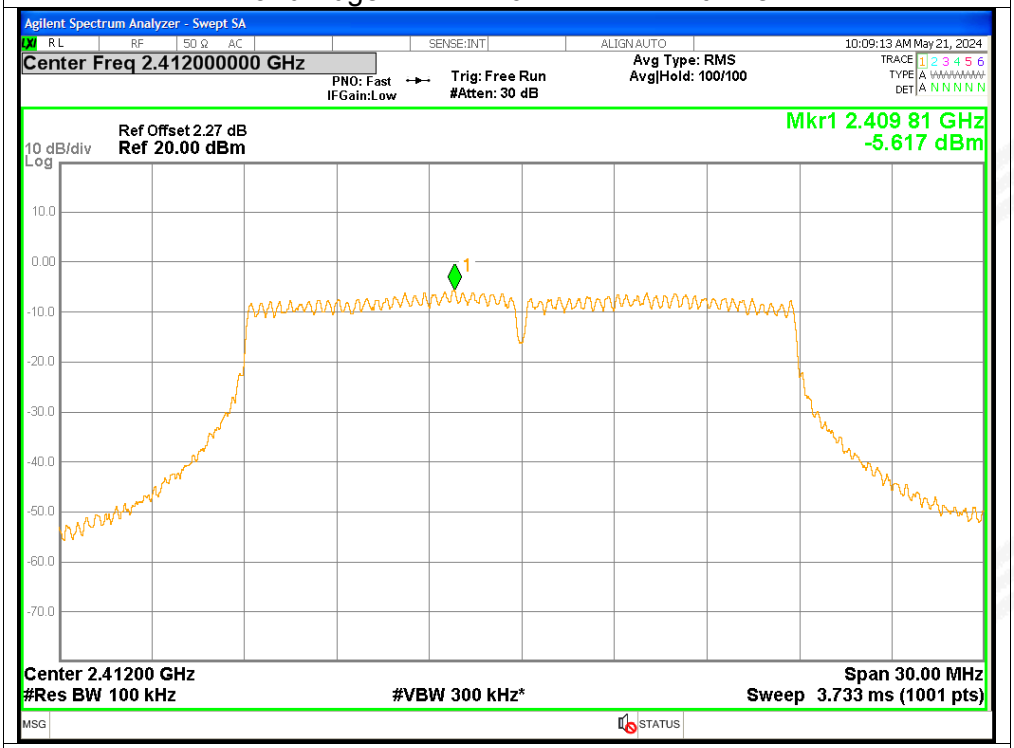
Band Edge NVNT n20 2412MHz Ant3 Ref



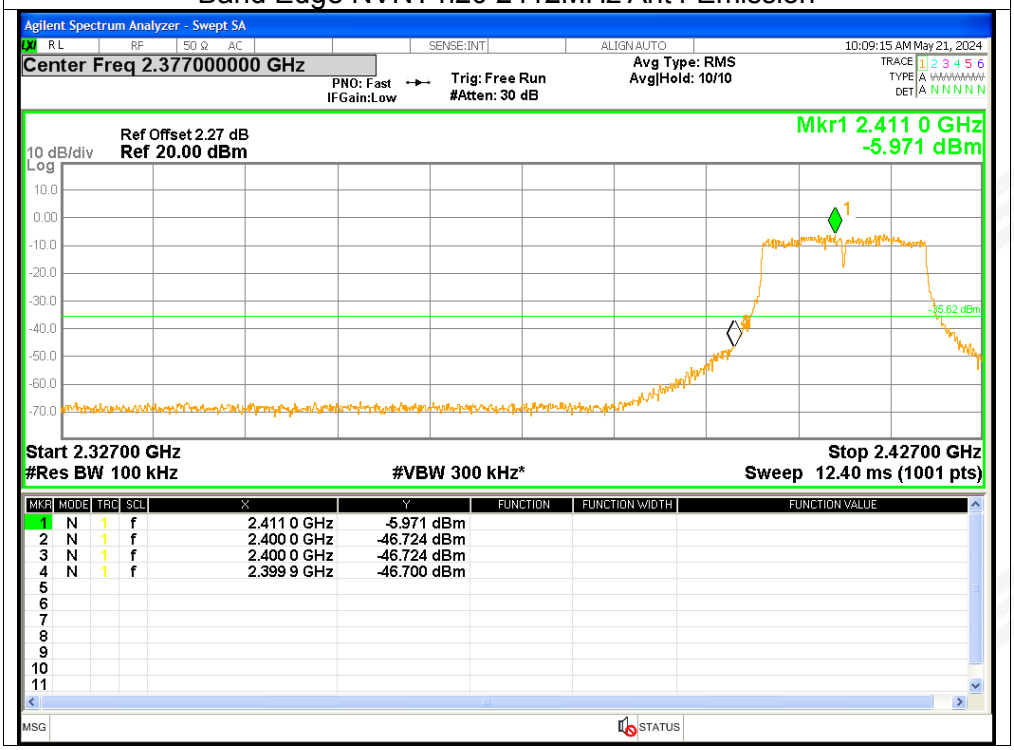
Band Edge NVNT n20 2412MHz Ant3 Emission



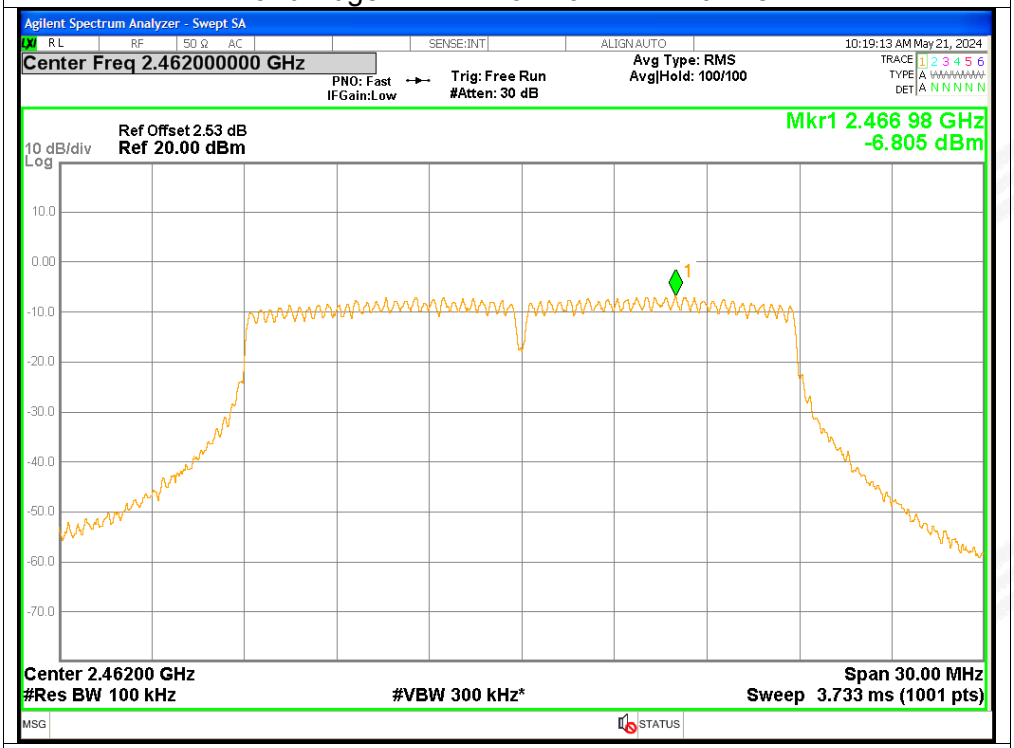
Band Edge NVNT n20 2412MHz Ant4 Ref



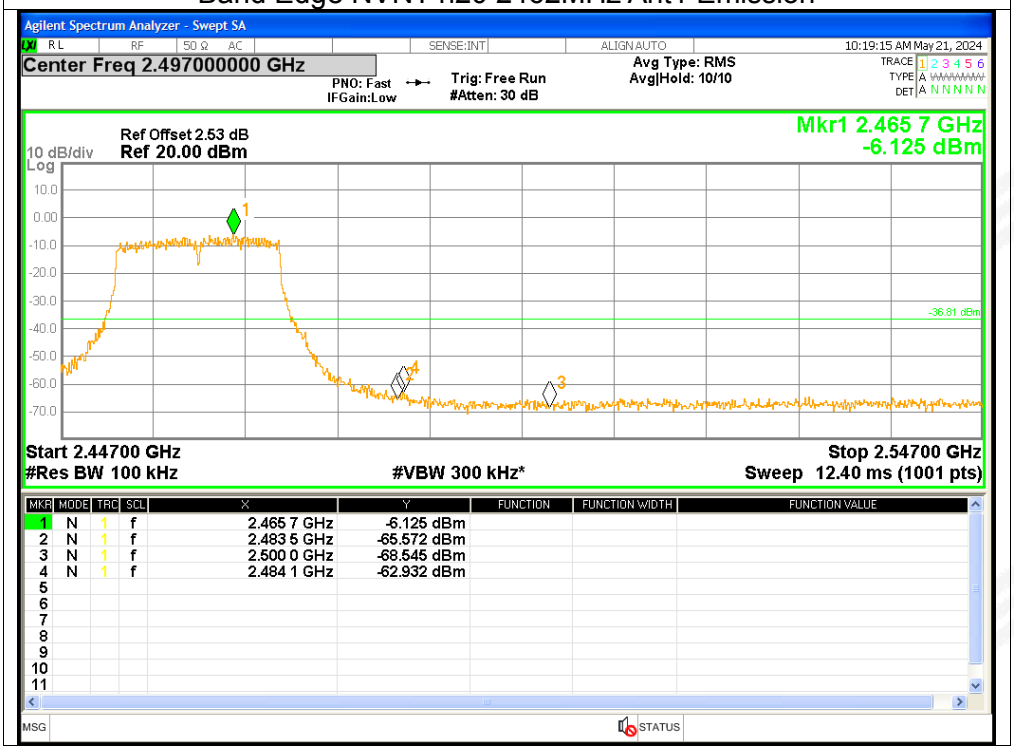
Band Edge NVNT n20 2412MHz Ant4 Emission



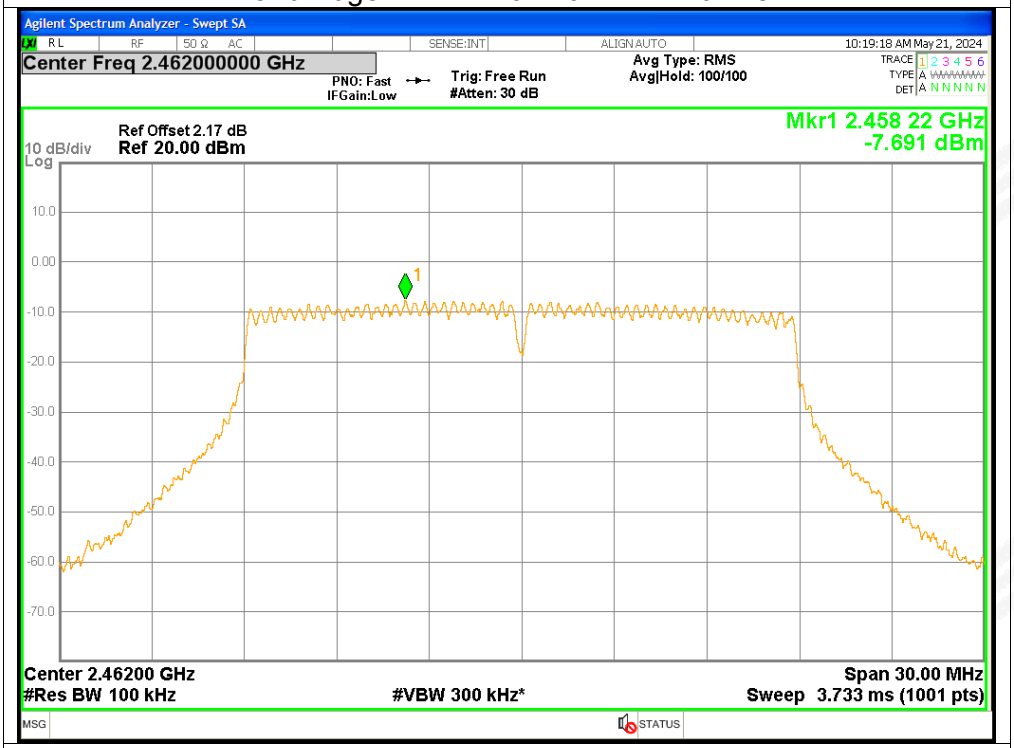
Band Edge NVNT n20 2462MHz Ant1 Ref



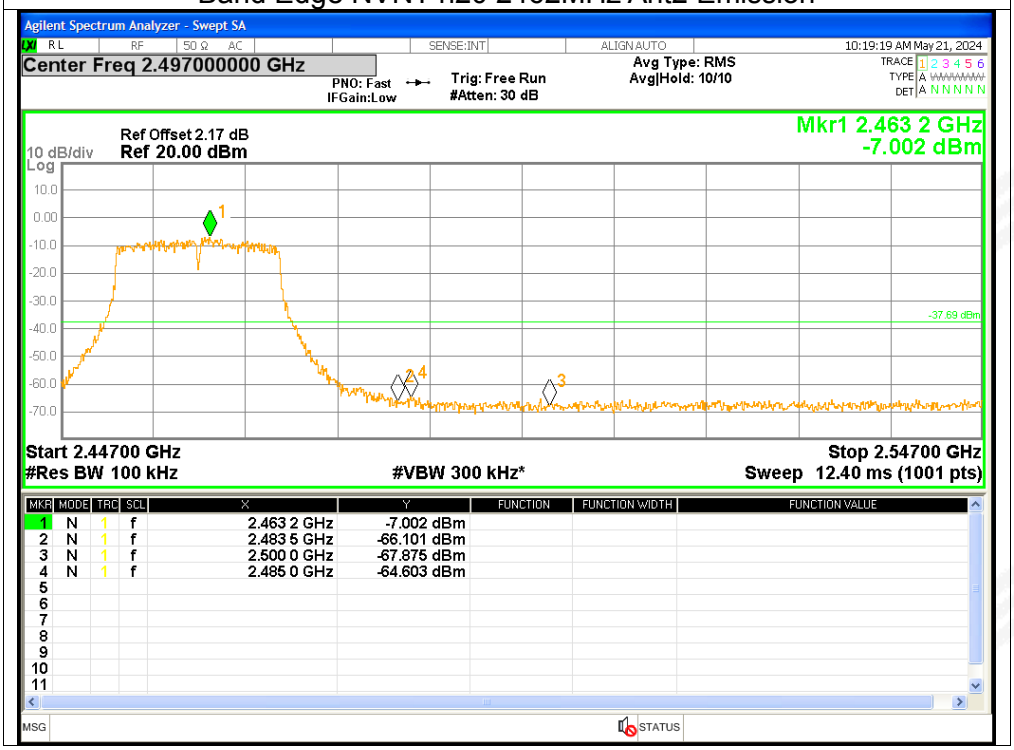
Band Edge NVNT n20 2462MHz Ant1 Emission



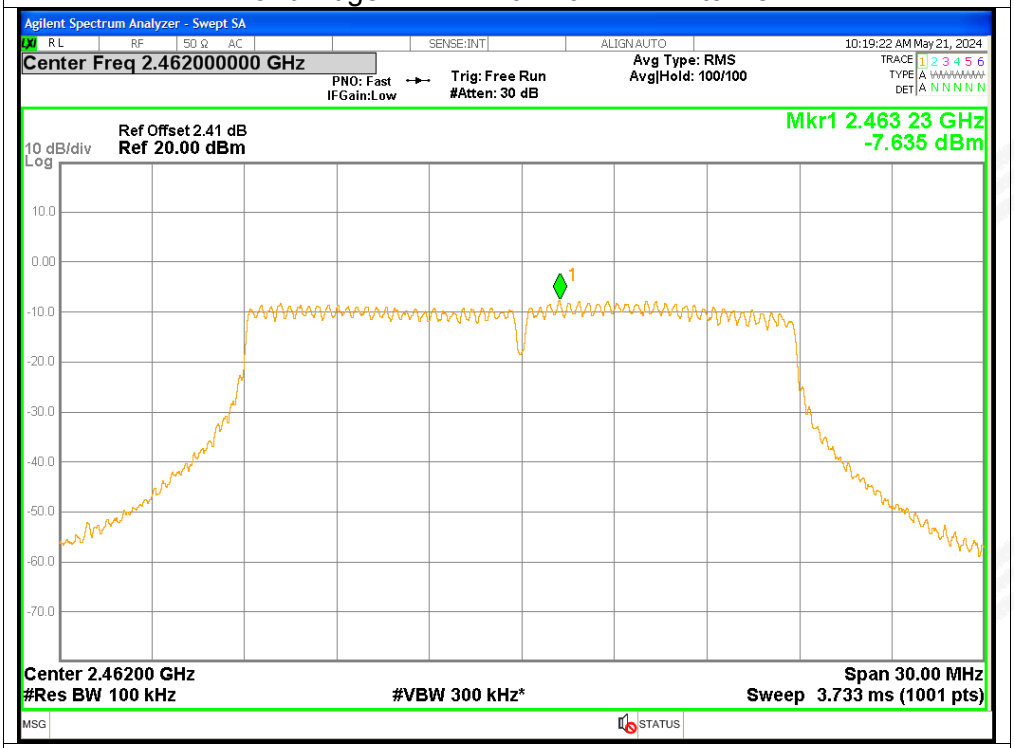
Band Edge NVNT n20 2462MHz Ant2 Ref



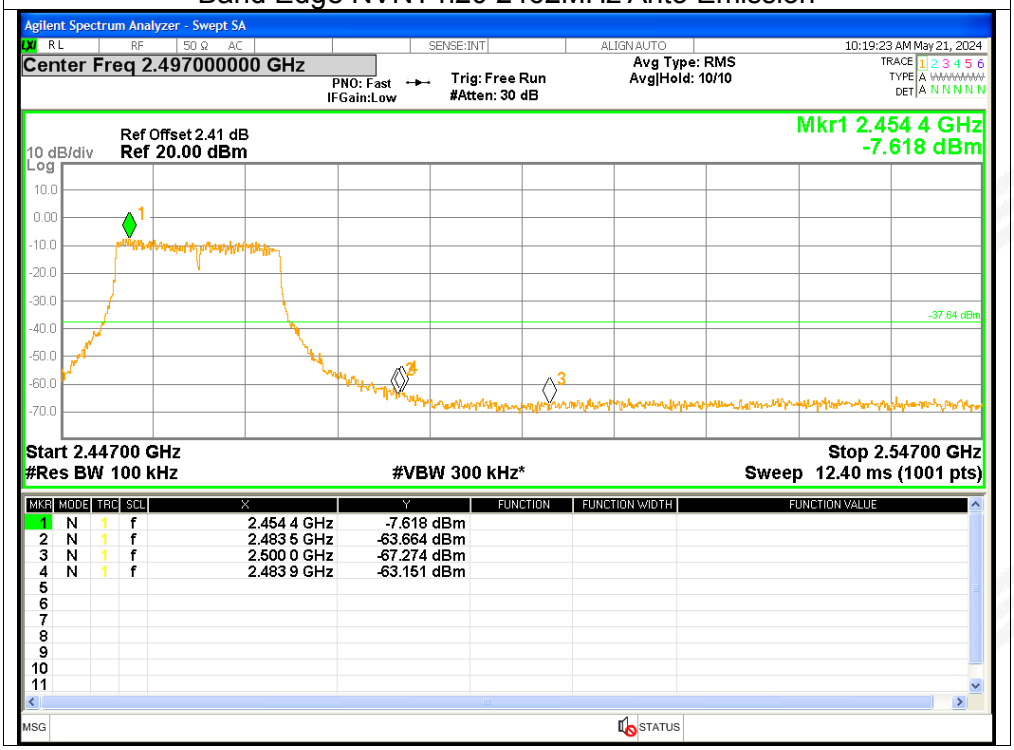
Band Edge NVNT n20 2462MHz Ant2 Emission



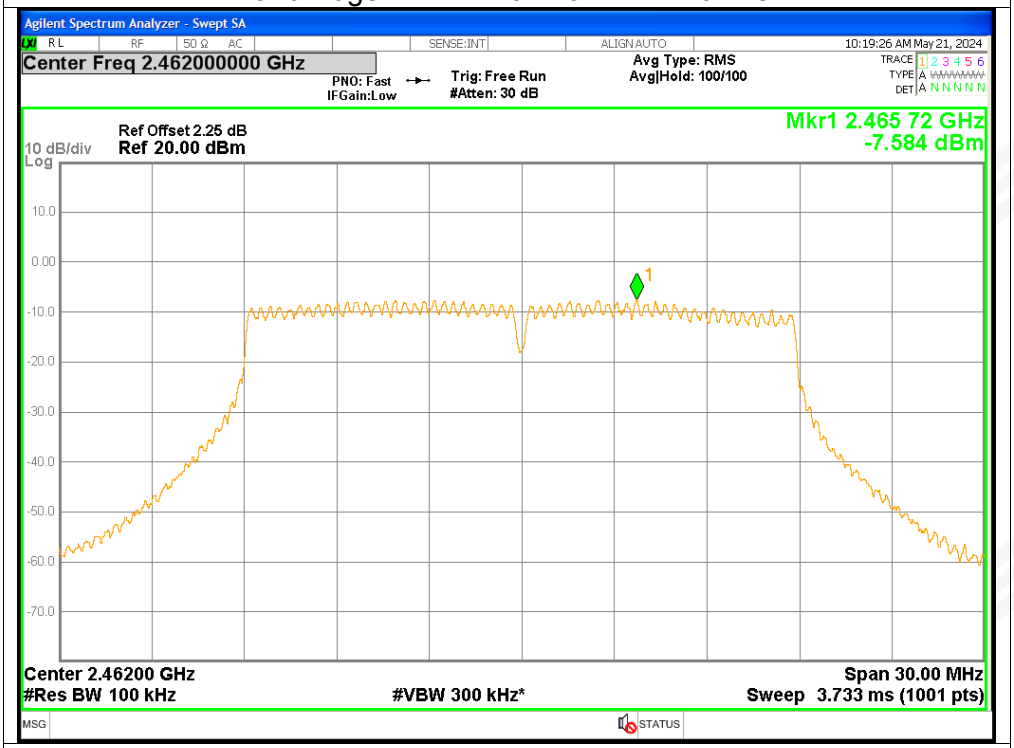
Band Edge NVNT n20 2462MHz Ant3 Ref



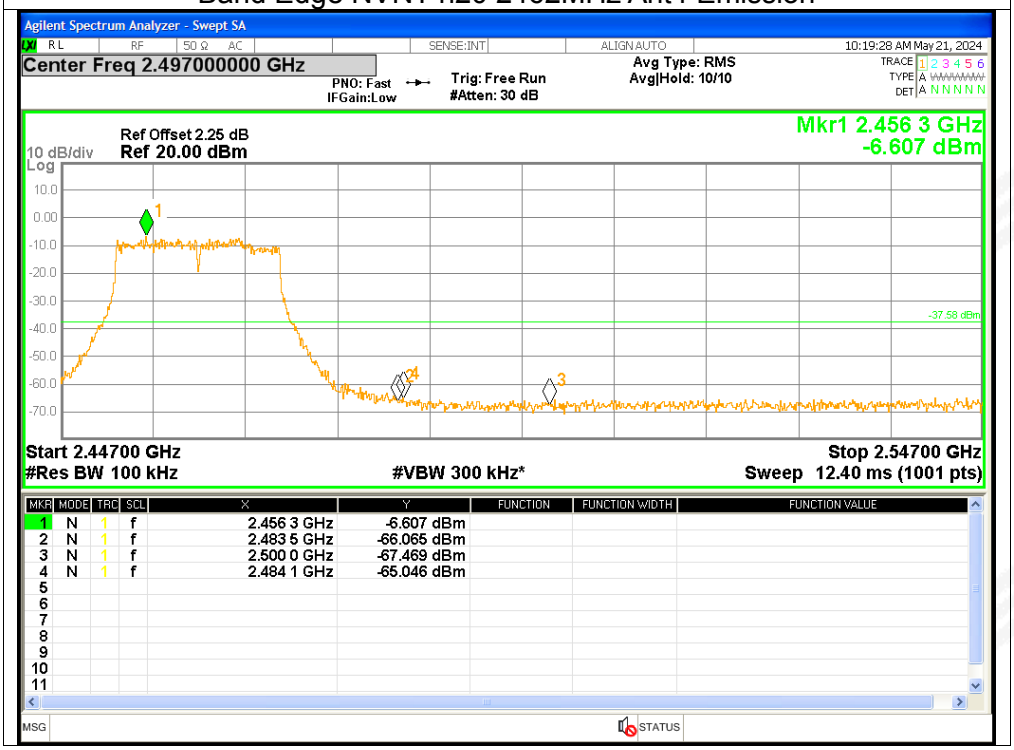
Band Edge NVNT n20 2462MHz Ant3 Emission



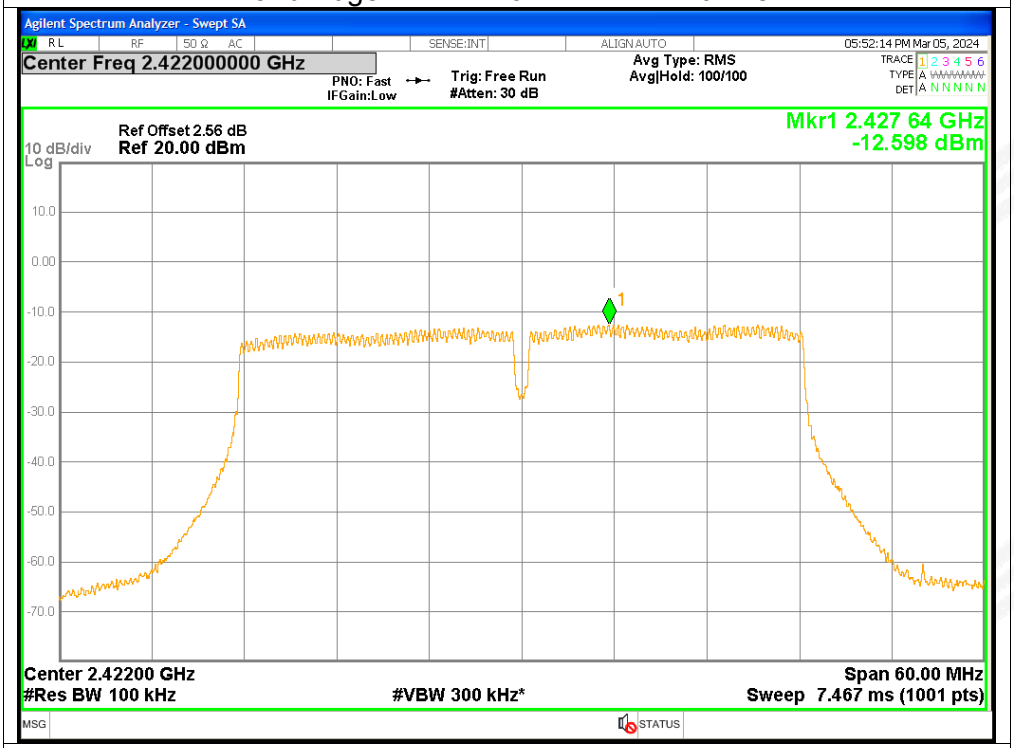
Band Edge NVNT n20 2462MHz Ant4 Ref



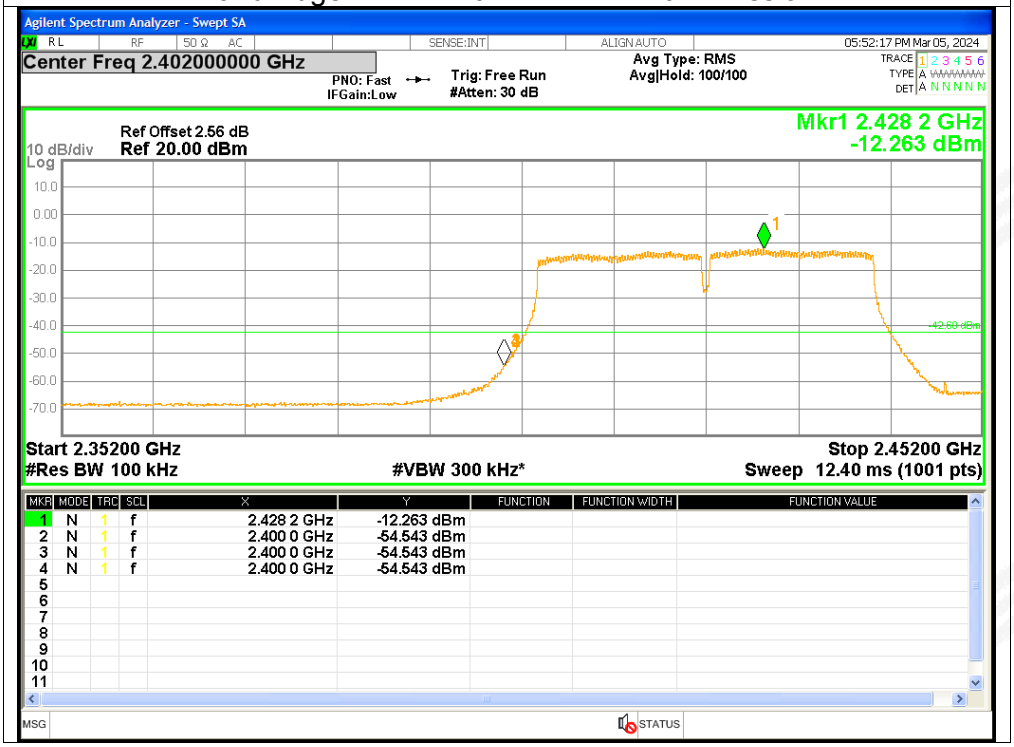
Band Edge NVNT n20 2462MHz Ant4 Emission



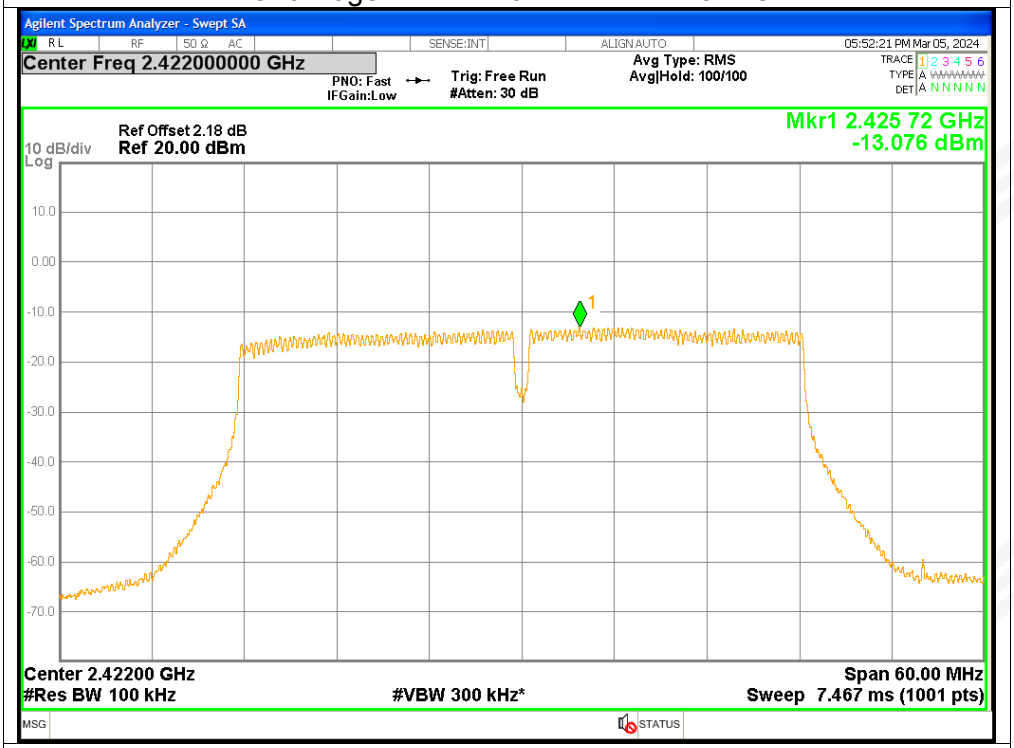
Band Edge NVNT n40 2422MHz Ant1 Ref



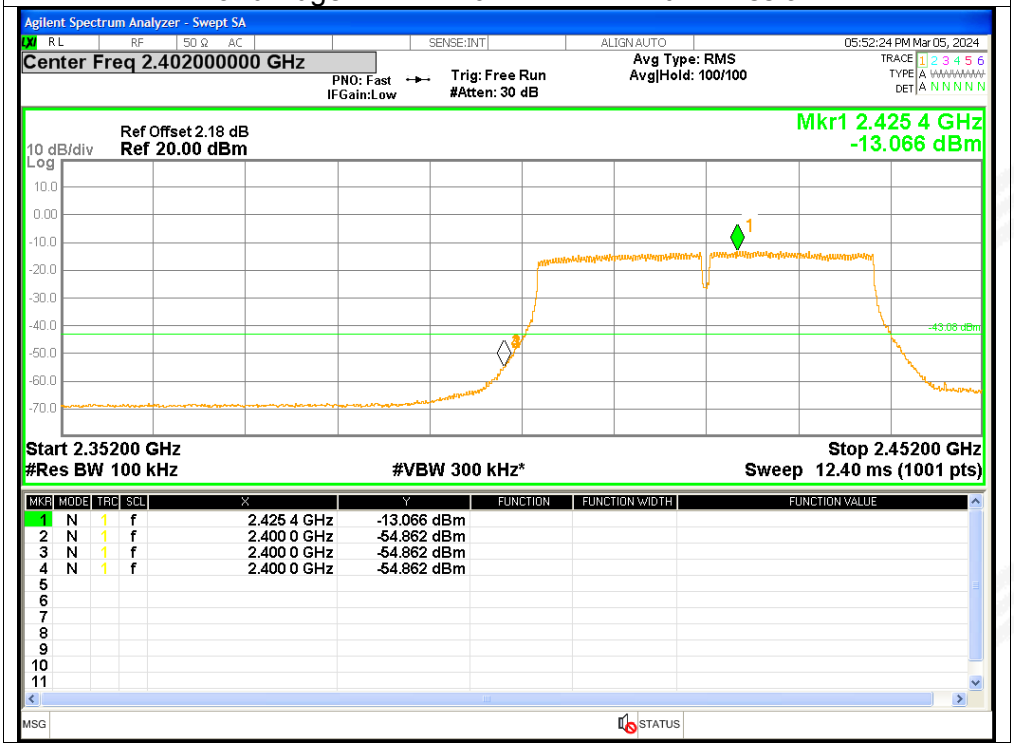
Band Edge NVNT n40 2422MHz Ant1 Emission



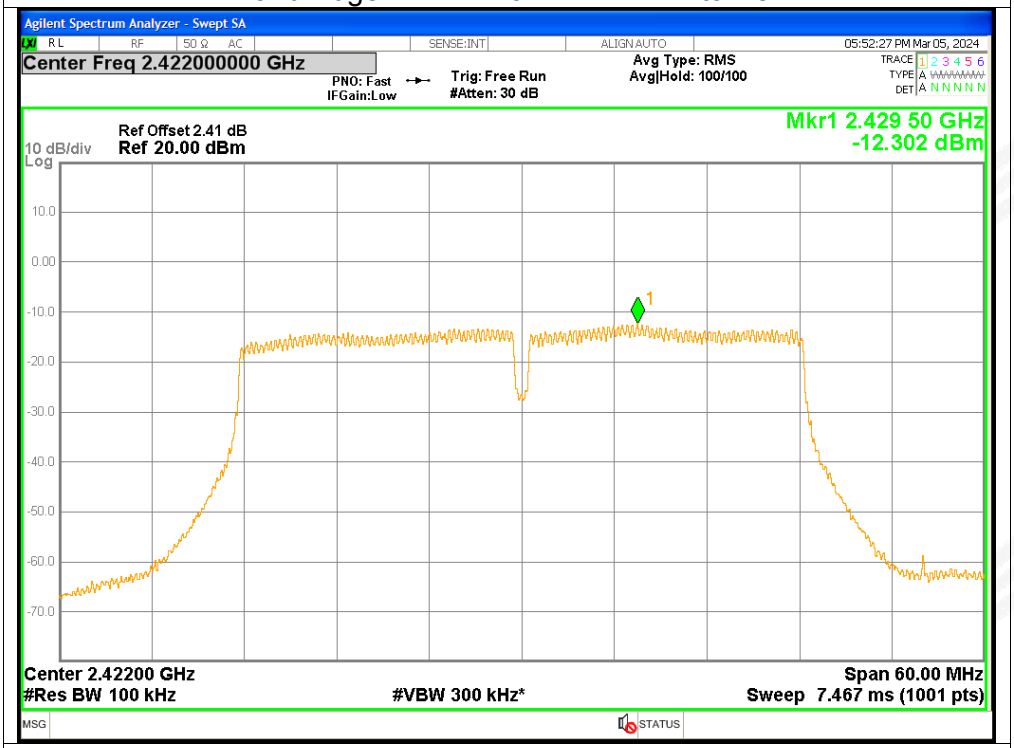
Band Edge NVNT n40 2422MHz Ant2 Ref



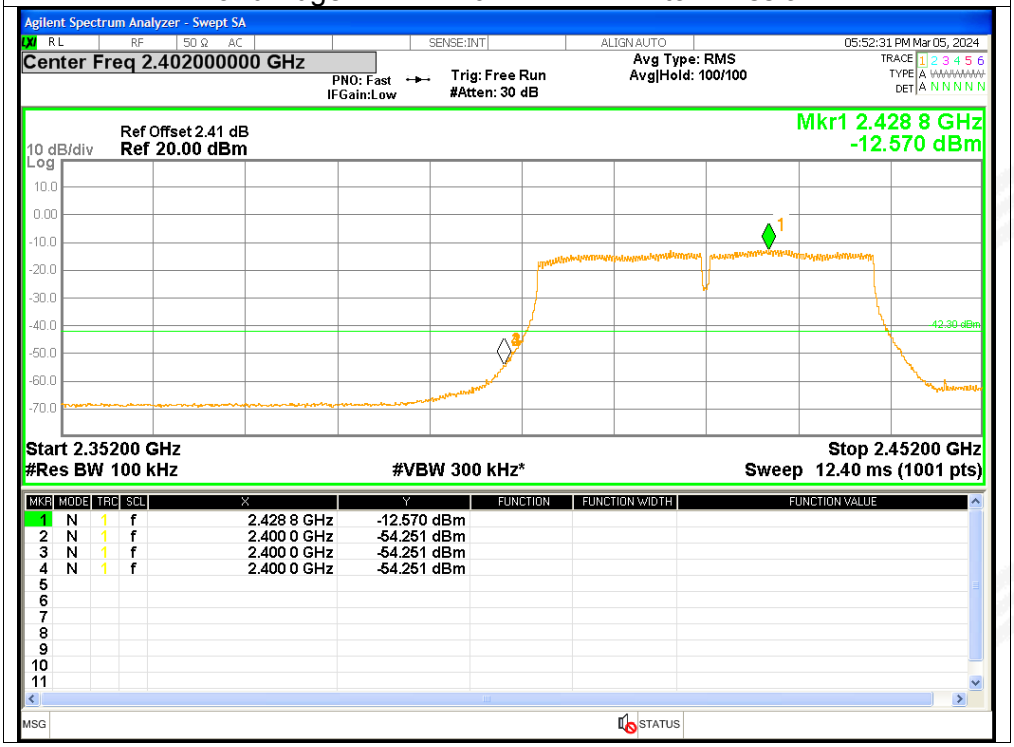
Band Edge NVNT n40 2422MHz Ant2 Emission



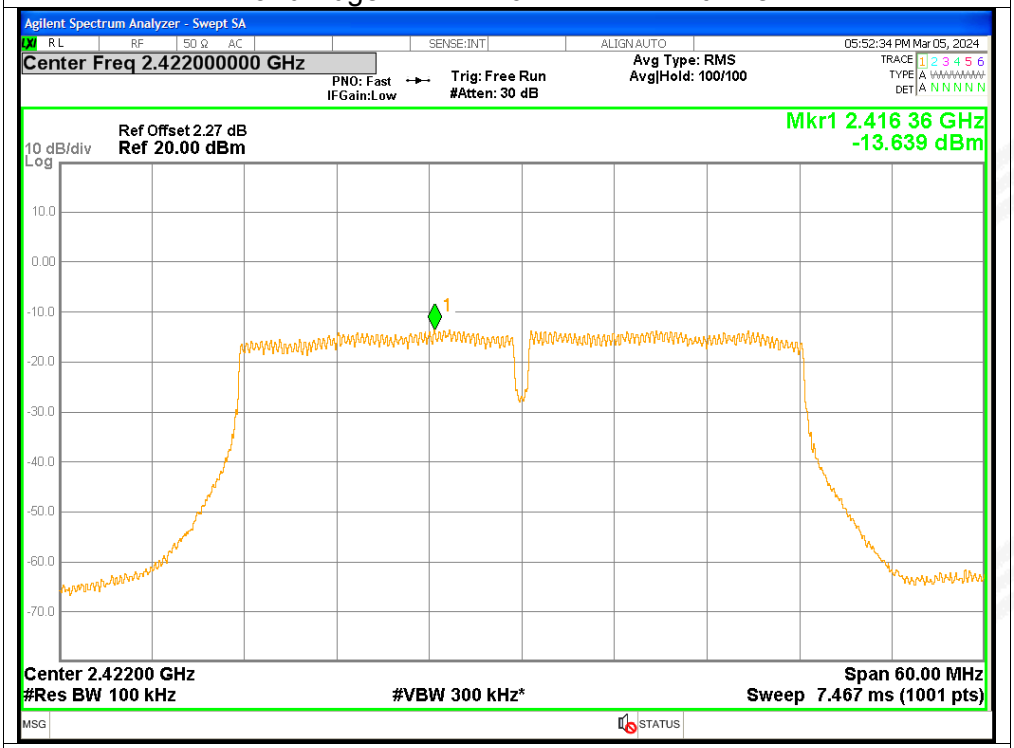
Band Edge NVNT n40 2422MHz Ant3 Ref



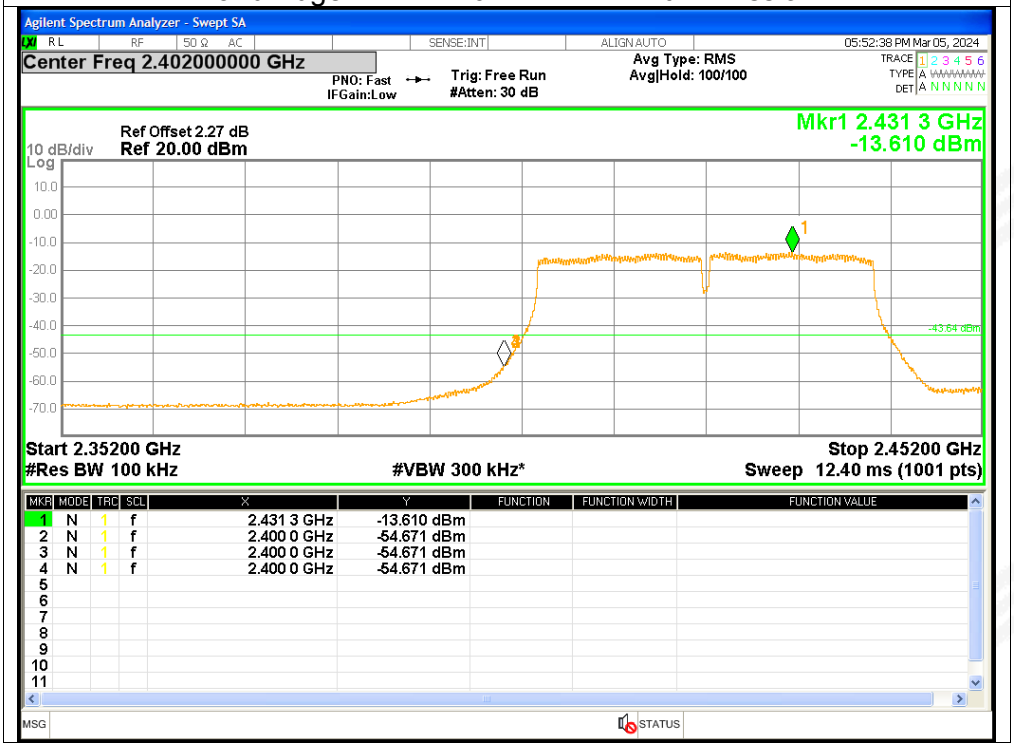
Band Edge NVNT n40 2422MHz Ant3 Emission



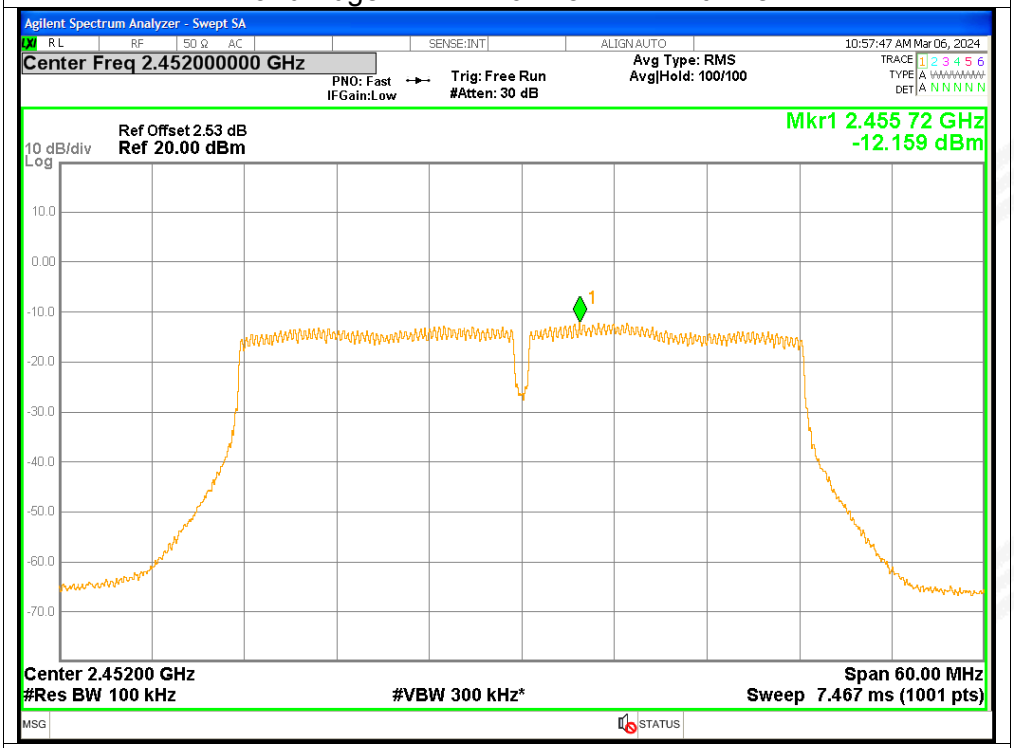
Band Edge NVNT n40 2422MHz Ant4 Ref



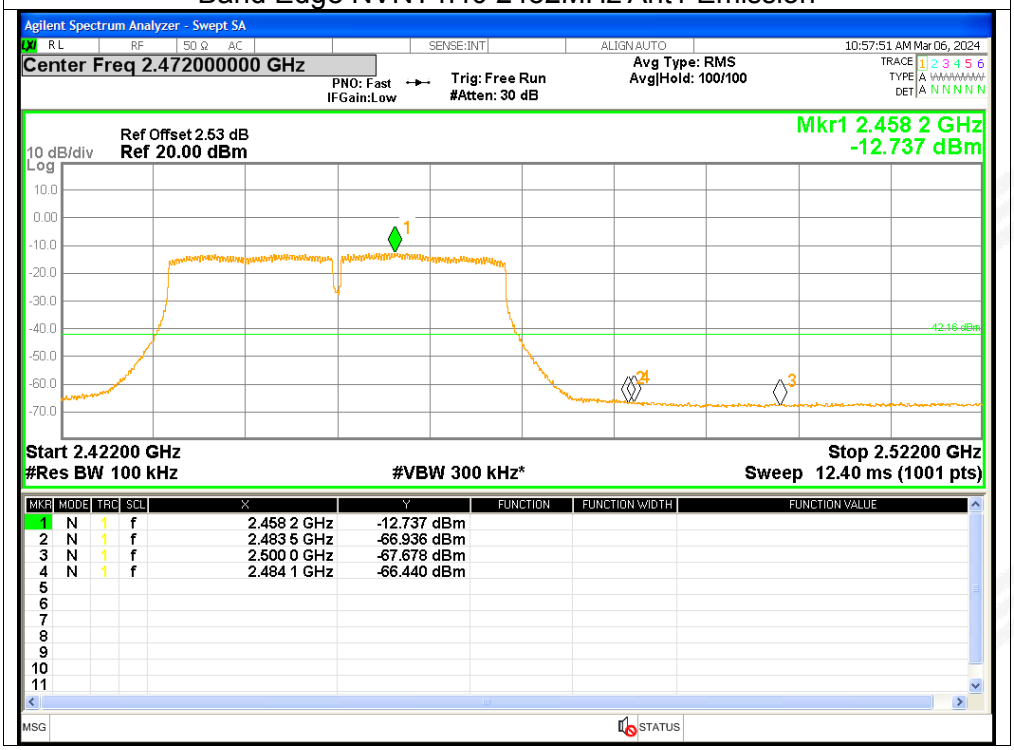
Band Edge NVNT n40 2422MHz Ant4 Emission



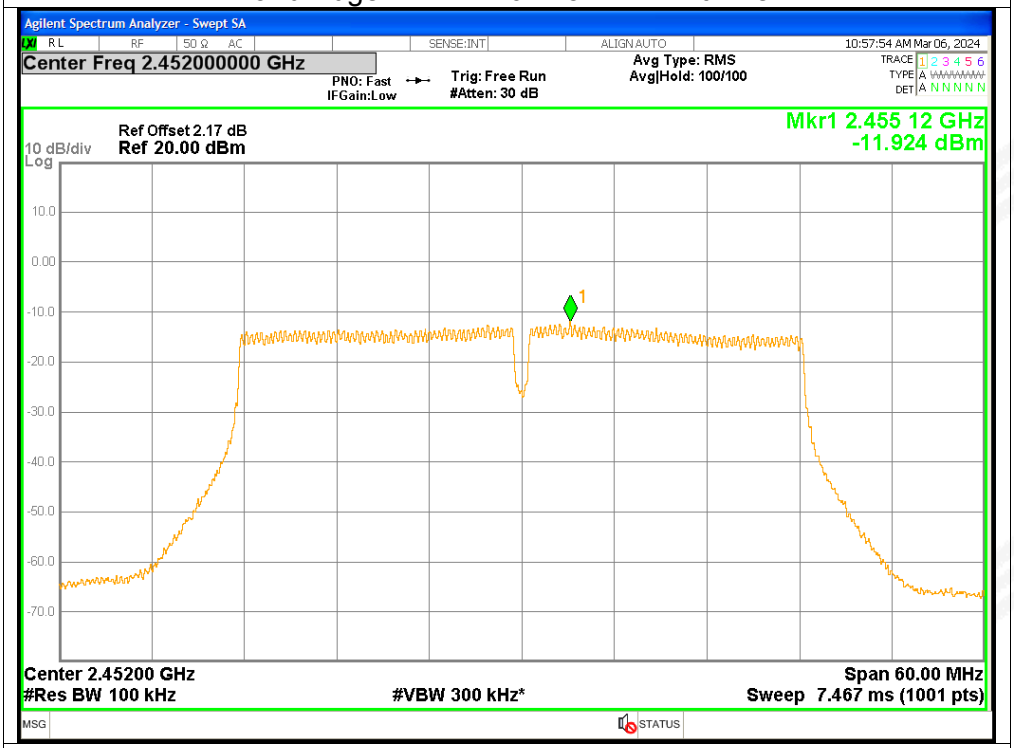
Band Edge NVNT n40 2452MHz Ant1 Ref



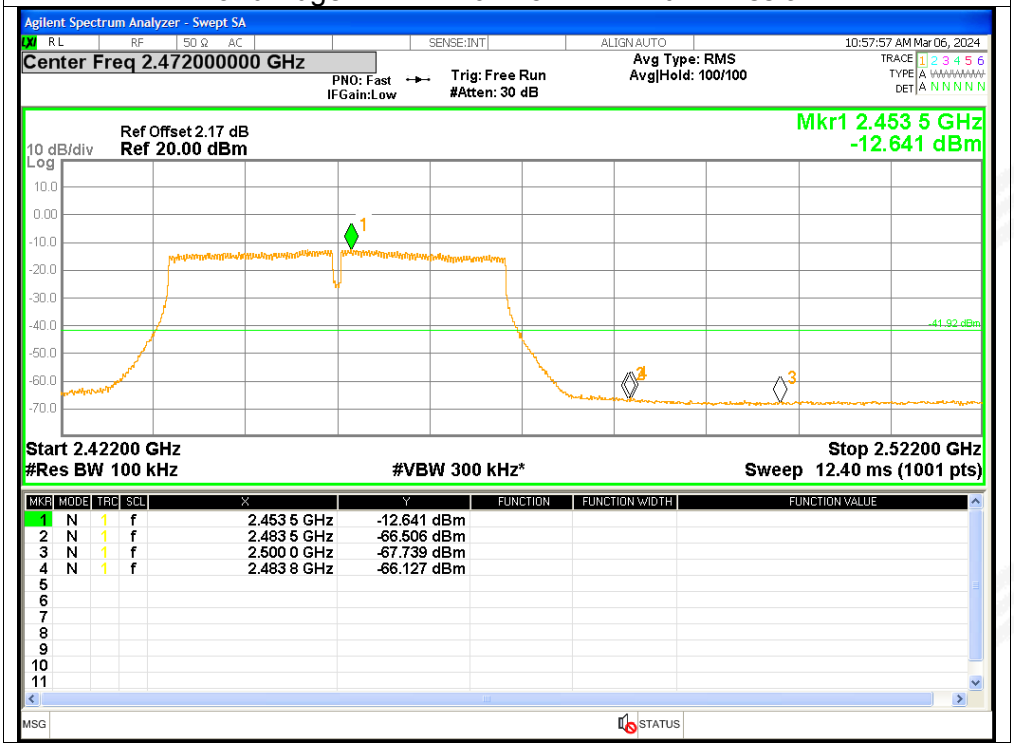
Band Edge NVNT n40 2452MHz Ant1 Emission



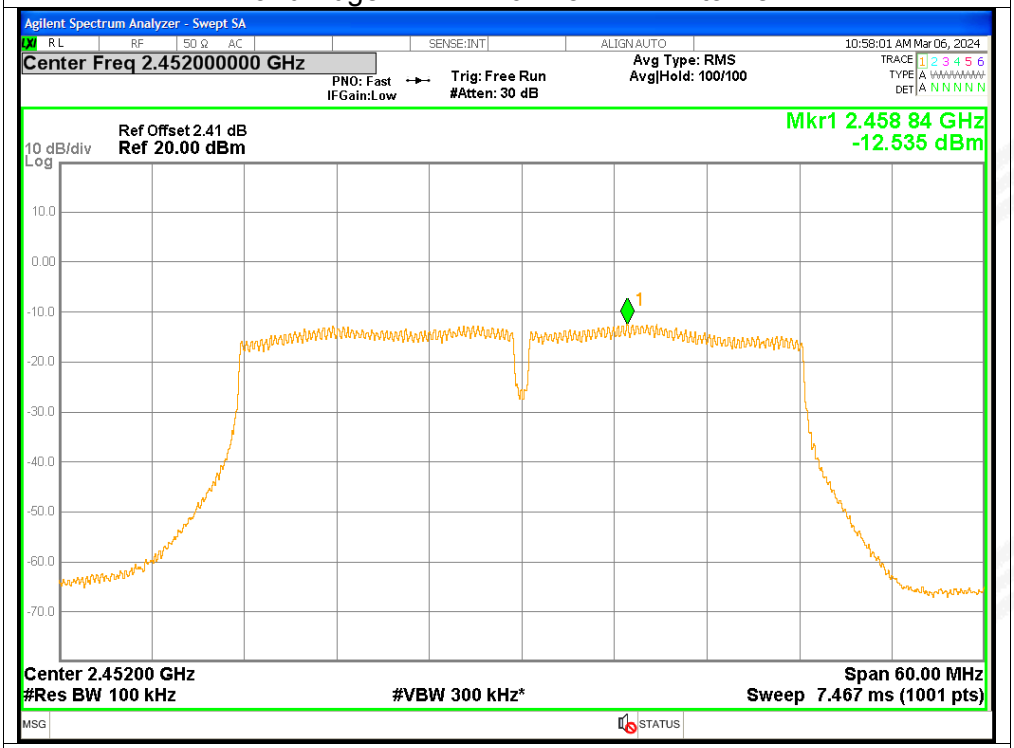
Band Edge NVNT n40 2452MHz Ant2 Ref



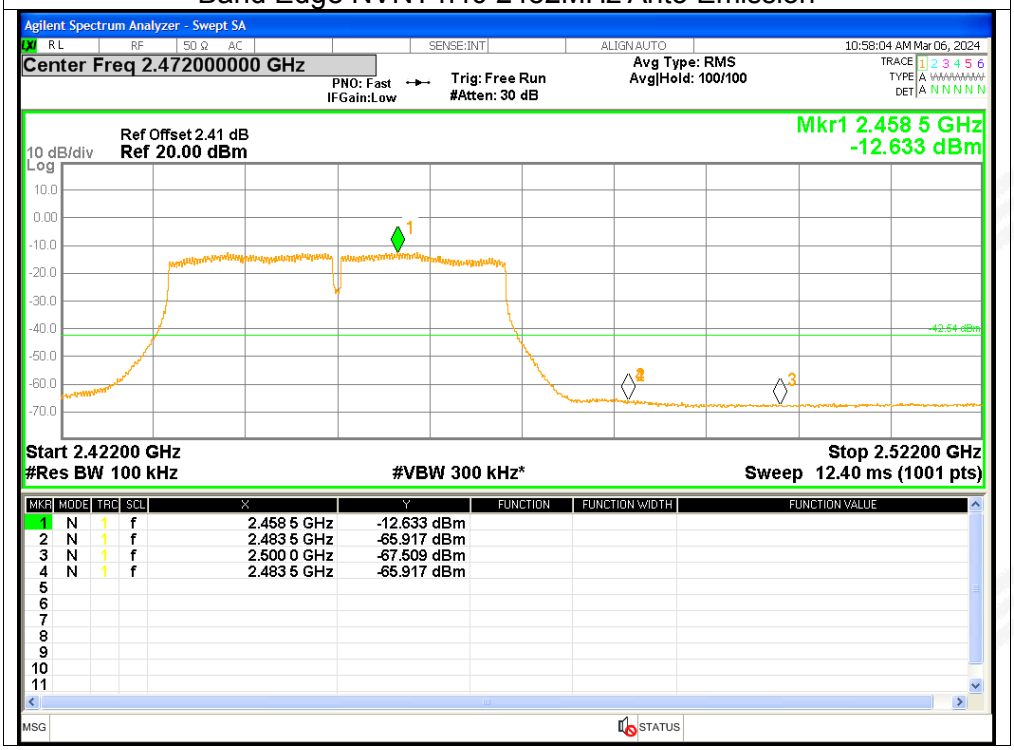
Band Edge NVNT n40 2452MHz Ant2 Emission



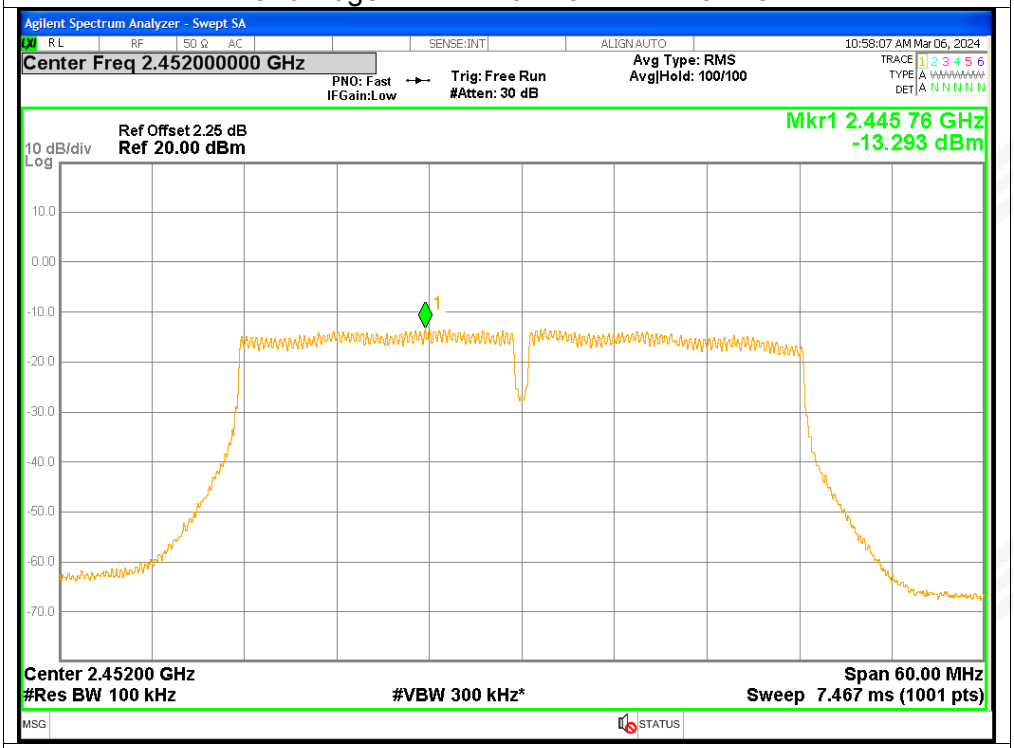
Band Edge NVNT n40 2452MHz Ant3 Ref



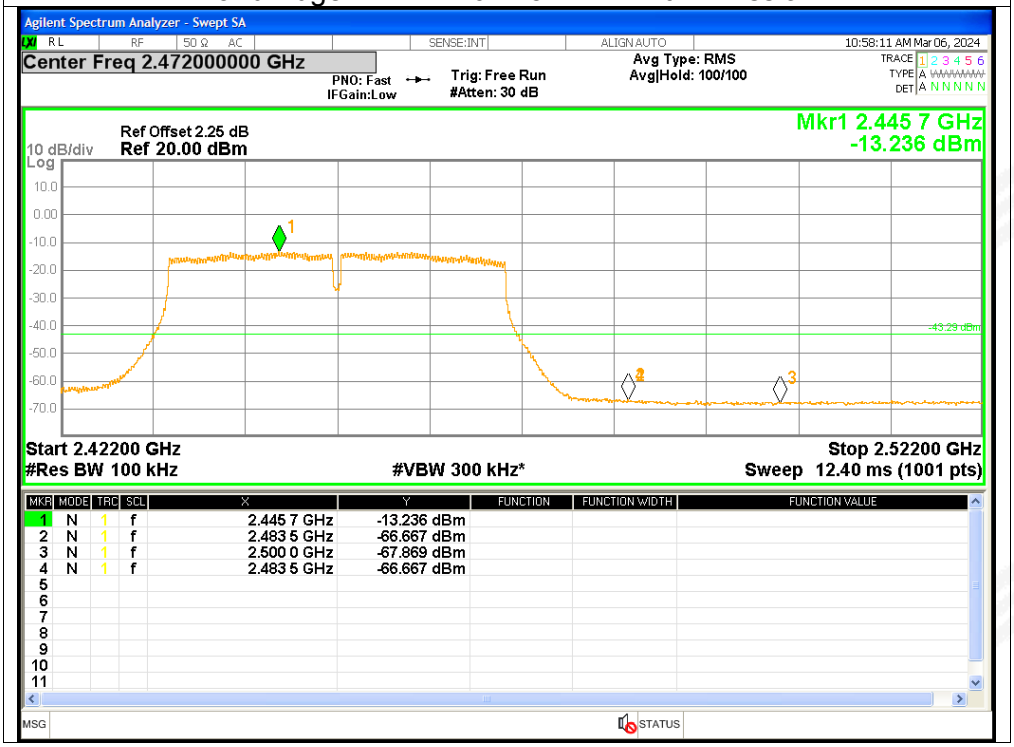
Band Edge NVNT n40 2452MHz Ant3 Emission



Band Edge NVNT n40 2452MHz Ant4 Ref



Band Edge NVNT n40 2452MHz Ant4 Emission



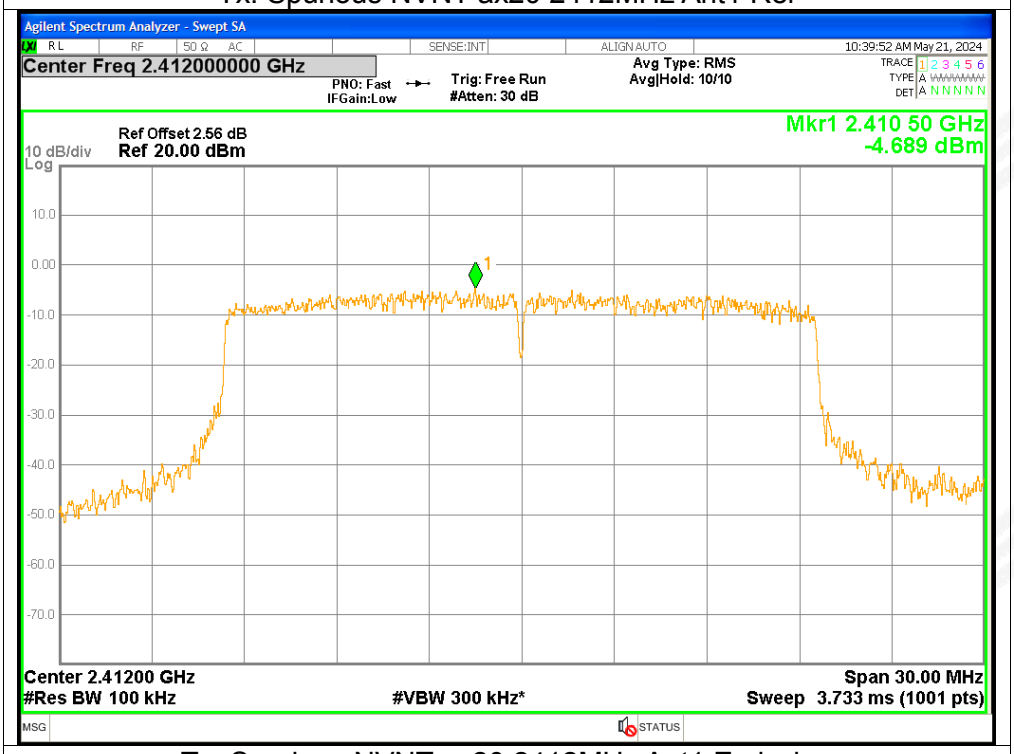
6. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax20	2412	Ant1	-50.81	<=-30	Pass
NVNT	ax20	2412	Ant2	-50.93	<=-30	Pass
NVNT	ax20	2412	Ant3	-50.25	<=-30	Pass
NVNT	ax20	2412	Ant4	-51.06	<=-30	Pass
NVNT	ax20	2437	Ant1	-52.42	<=-30	Pass
NVNT	ax20	2437	Ant2	-52.69	<=-30	Pass
NVNT	ax20	2437	Ant3	-51.95	<=-30	Pass
NVNT	ax20	2437	Ant4	-51.63	<=-30	Pass
NVNT	ax20	2462	Ant1	-49.86	<=-30	Pass
NVNT	ax20	2462	Ant2	-48.7	<=-30	Pass
NVNT	ax20	2462	Ant3	-49.24	<=-30	Pass
NVNT	ax20	2462	Ant4	-49.13	<=-30	Pass
NVNT	ax40	2422	Ant1	-42.6	<=-30	Pass
NVNT	ax40	2422	Ant2	-42.33	<=-30	Pass
NVNT	ax40	2422	Ant3	-42.68	<=-30	Pass
NVNT	ax40	2422	Ant4	-41.96	<=-30	Pass
NVNT	ax40	2437	Ant1	-49.7	<=-30	Pass
NVNT	ax40	2437	Ant2	-50.29	<=-30	Pass
NVNT	ax40	2437	Ant3	-49.86	<=-30	Pass
NVNT	ax40	2437	Ant4	-48.99	<=-30	Pass
NVNT	ax40	2452	Ant1	-42.71	<=-30	Pass
NVNT	ax40	2452	Ant2	-42.88	<=-30	Pass
NVNT	ax40	2452	Ant3	-42.59	<=-30	Pass
NVNT	ax40	2452	Ant4	-41.94	<=-30	Pass
NVNT	b	2412	Ant1	-51.49	<=-30	Pass
NVNT	b	2412	Ant2	-51.55	<=-30	Pass
NVNT	b	2412	Ant3	-49.87	<=-30	Pass
NVNT	b	2412	Ant4	-51.55	<=-30	Pass
NVNT	b	2437	Ant1	-52.28	<=-30	Pass
NVNT	b	2437	Ant2	-52.53	<=-30	Pass
NVNT	b	2437	Ant3	-51.59	<=-30	Pass
NVNT	b	2437	Ant4	-51.65	<=-30	Pass
NVNT	b	2462	Ant1	-49.51	<=-30	Pass
NVNT	b	2462	Ant2	-50.21	<=-30	Pass
NVNT	b	2462	Ant3	-49.17	<=-30	Pass
NVNT	b	2462	Ant4	-48.34	<=-30	Pass
NVNT	g	2412	Ant1	-52.94	<=-30	Pass
NVNT	g	2412	Ant2	-53.06	<=-30	Pass
NVNT	g	2412	Ant3	-52.9	<=-30	Pass
NVNT	g	2412	Ant4	-53.02	<=-30	Pass
NVNT	g	2437	Ant1	-54.1	<=-30	Pass
NVNT	g	2437	Ant2	-54.7	<=-30	Pass
NVNT	g	2437	Ant3	-54.14	<=-30	Pass
NVNT	g	2437	Ant4	-53.83	<=-30	Pass
NVNT	g	2462	Ant1	-51.45	<=-30	Pass
NVNT	g	2462	Ant2	-52.41	<=-30	Pass
NVNT	g	2462	Ant3	-52.1	<=-30	Pass
NVNT	g	2462	Ant4	-51.52	<=-30	Pass
NVNT	n20	2412	Ant1	-50.48	<=-30	Pass
NVNT	n20	2412	Ant2	-47.44	<=-30	Pass
NVNT	n20	2412	Ant3	-49.92	<=-30	Pass
NVNT	n20	2412	Ant4	-50.18	<=-30	Pass
NVNT	n20	2437	Ant1	-53.87	<=-30	Pass

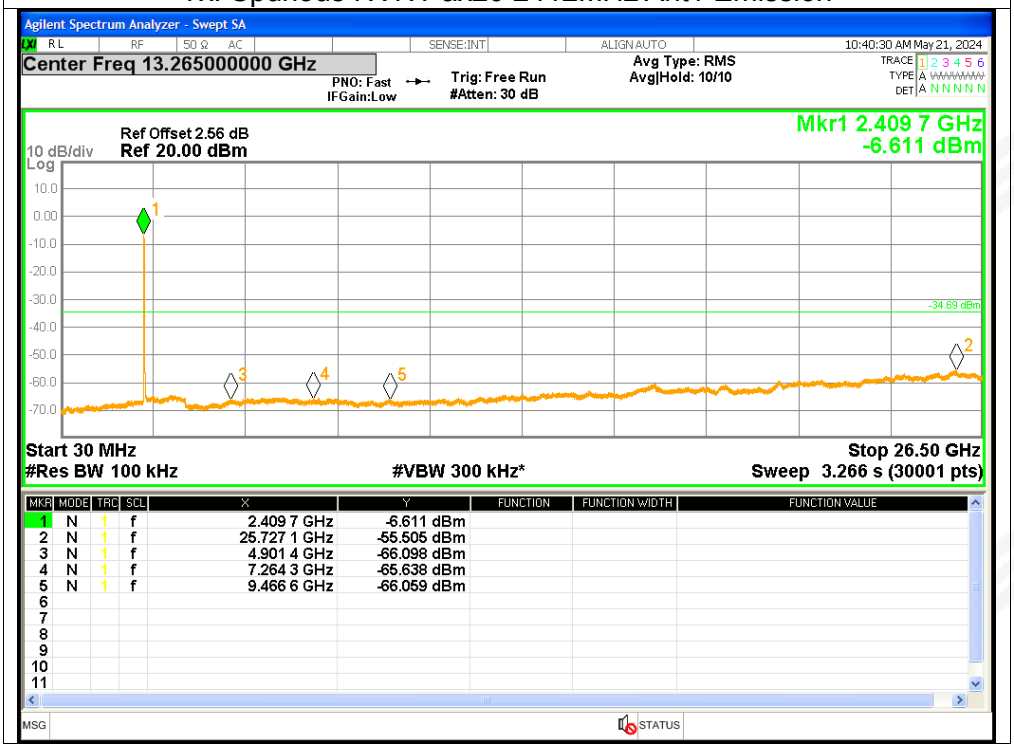
NVNT	n20	2437	Ant2	-53.94	<=-30	Pass
NVNT	n20	2437	Ant3	-52.98	<=-30	Pass
NVNT	n20	2437	Ant4	-52.77	<=-30	Pass
NVNT	n20	2462	Ant1	-48.47	<=-30	Pass
NVNT	n20	2462	Ant2	-47.4	<=-30	Pass
NVNT	n20	2462	Ant3	-47.86	<=-30	Pass
NVNT	n20	2462	Ant4	-48.19	<=-30	Pass
NVNT	n40	2422	Ant1	-43.73	<=-30	Pass
NVNT	n40	2422	Ant2	-43.55	<=-30	Pass
NVNT	n40	2422	Ant3	-44.02	<=-30	Pass
NVNT	n40	2422	Ant4	-42.88	<=-30	Pass
NVNT	n40	2437	Ant1	-50.74	<=-30	Pass
NVNT	n40	2437	Ant2	-51.33	<=-30	Pass
NVNT	n40	2437	Ant3	-50.81	<=-30	Pass
NVNT	n40	2437	Ant4	-50.15	<=-30	Pass
NVNT	n40	2452	Ant1	-43.54	<=-30	Pass
NVNT	n40	2452	Ant2	-44.15	<=-30	Pass
NVNT	n40	2452	Ant3	-43.65	<=-30	Pass
NVNT	n40	2452	Ant4	-43.46	<=-30	Pass

Test Graphs

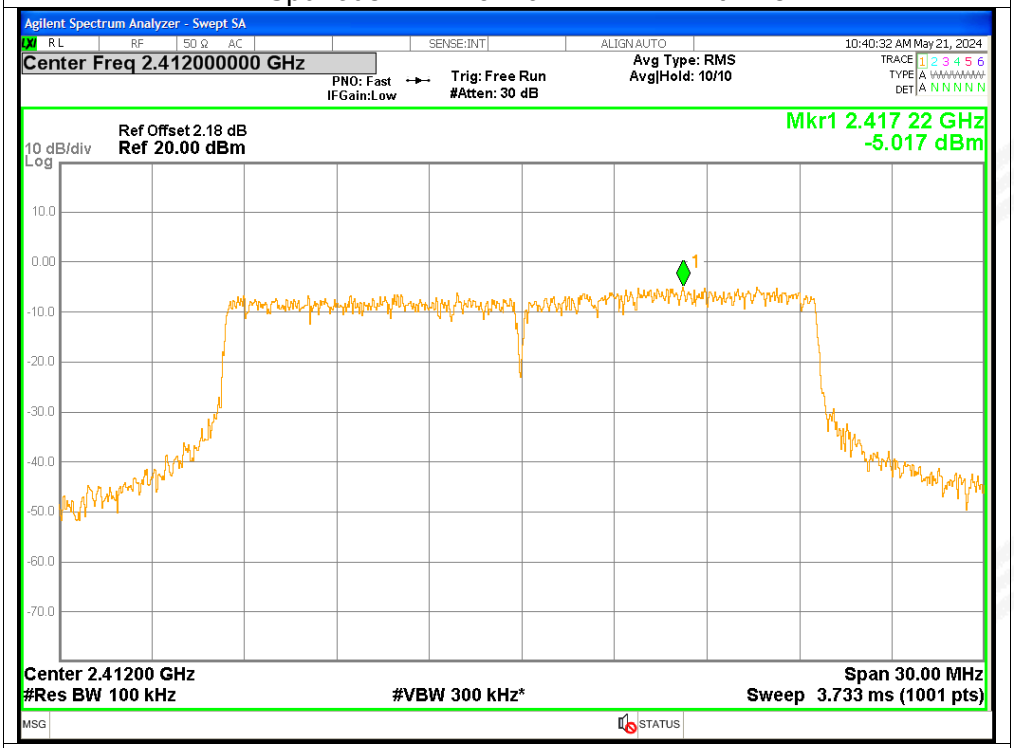
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



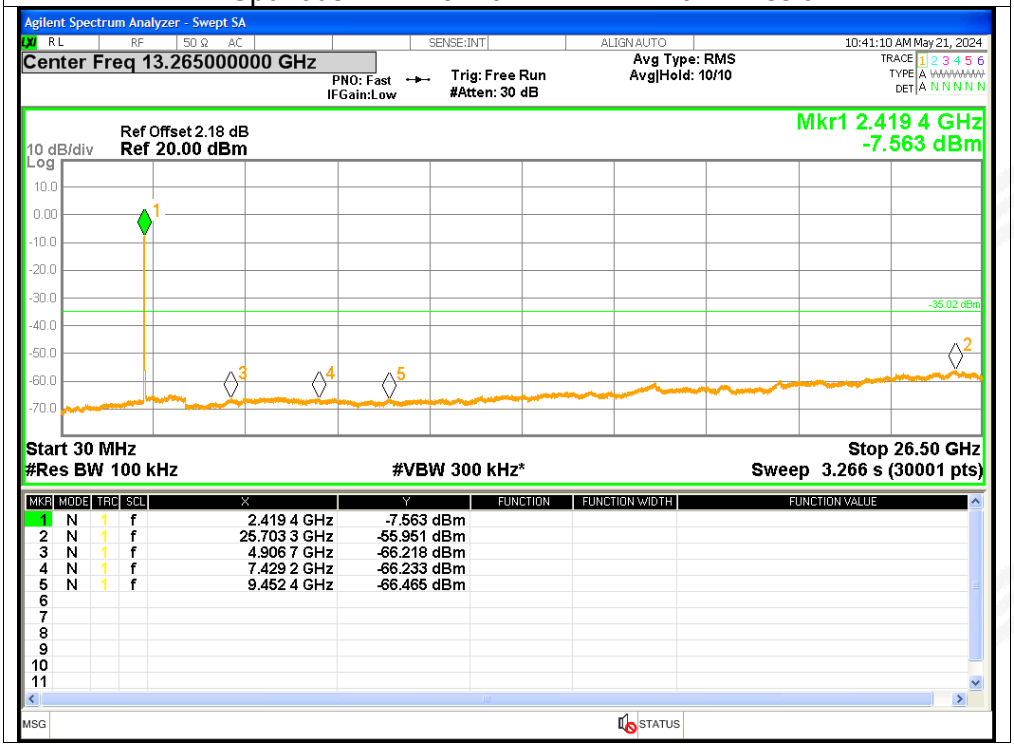
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



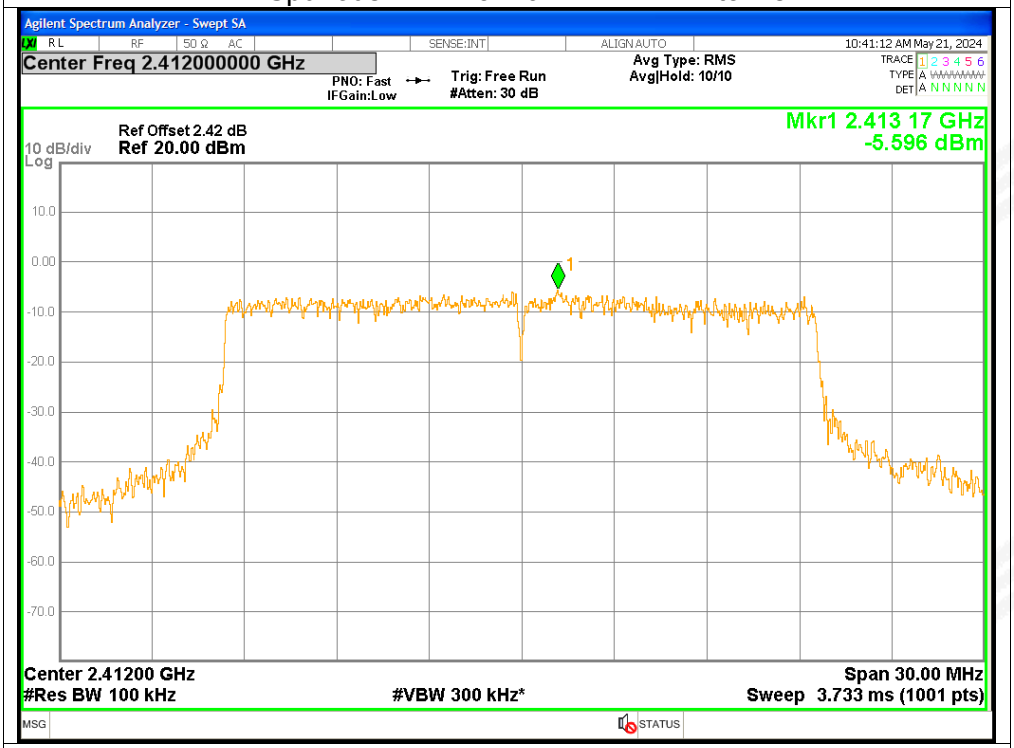
Tx. Spurious NVNT ax20 2412MHz Ant2 Ref



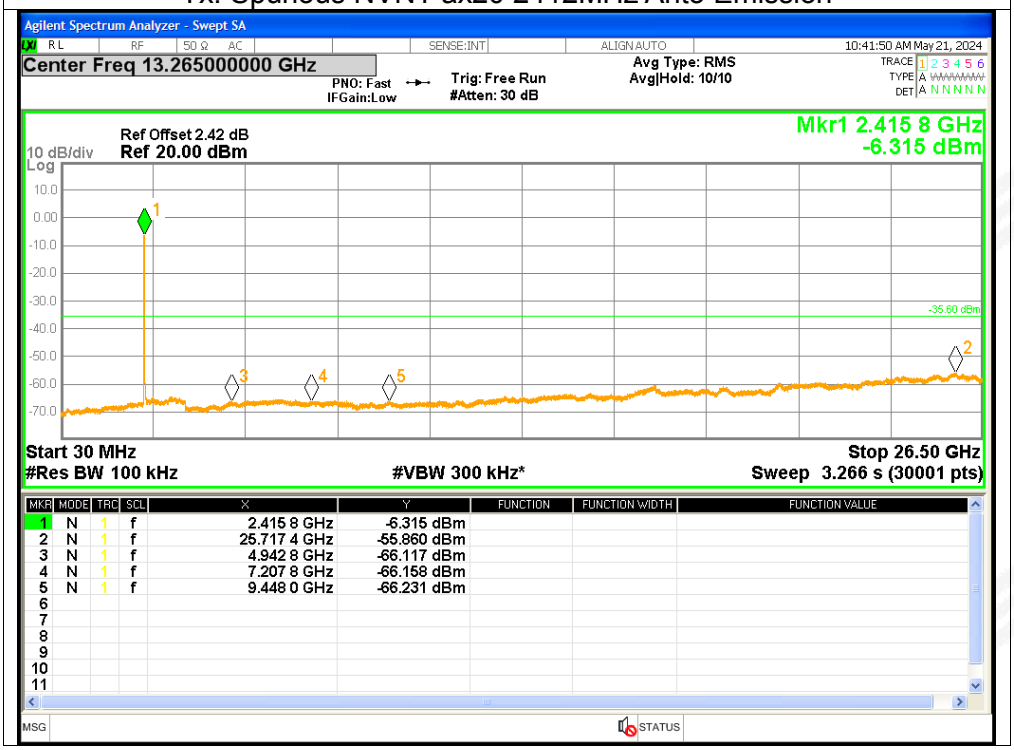
Tx. Spurious NVNT ax20 2412MHz Ant2 Emission



Tx. Spurious NVNT ax20 2412MHz Ant3 Ref

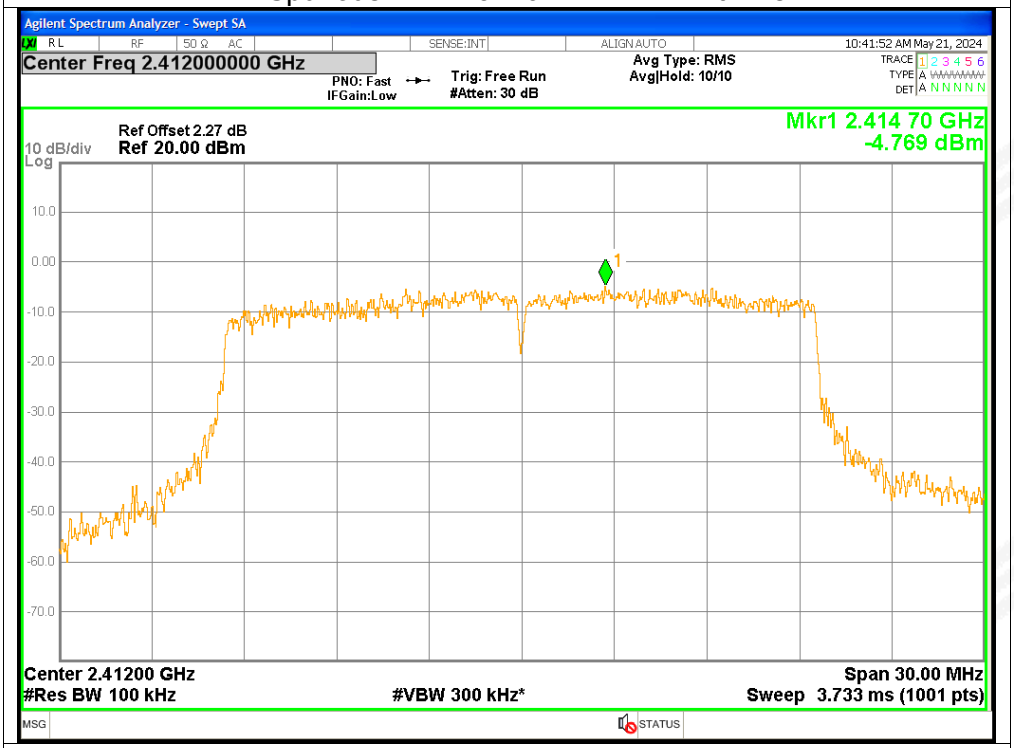


Tx. Spurious NVNT ax20 2412MHz Ant3 Emission

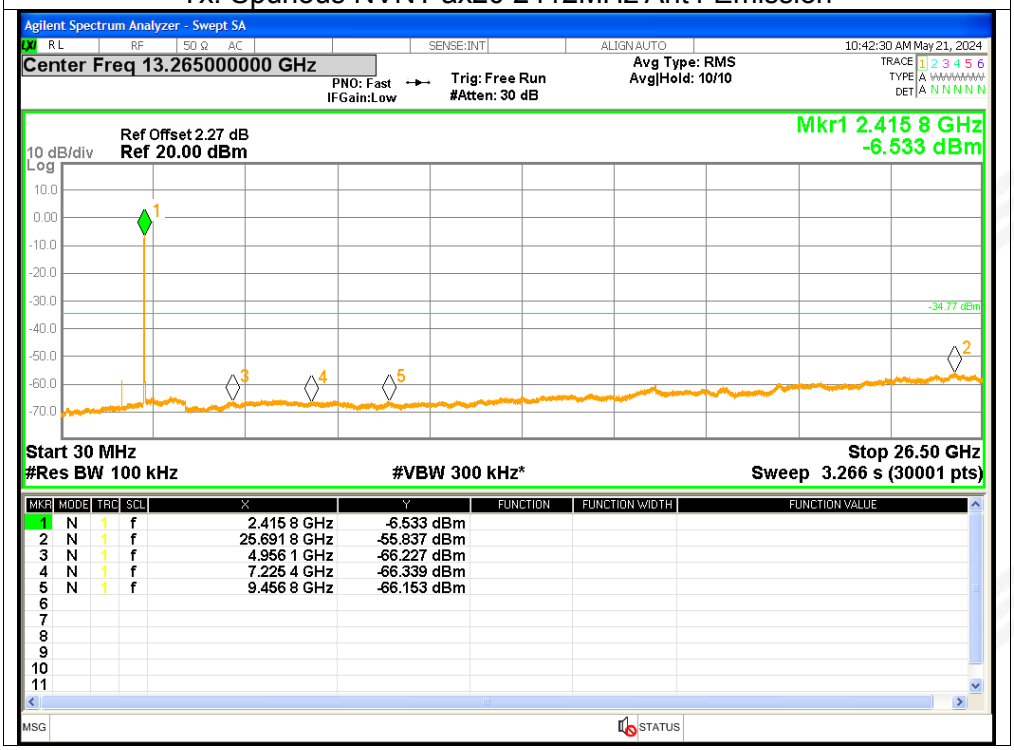


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.415 8 GHz	-6.315 dBm			
2	N	1	f	25.717 4 GHz	-55.860 dBm			
3	N	1	f	4.942 8 GHz	-66.117 dBm			
4	N	1	f	7.207 8 GHz	-66.158 dBm			
5	N	1	f	9.448 0 GHz	-66.231 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT ax20 2412MHz Ant4 Ref

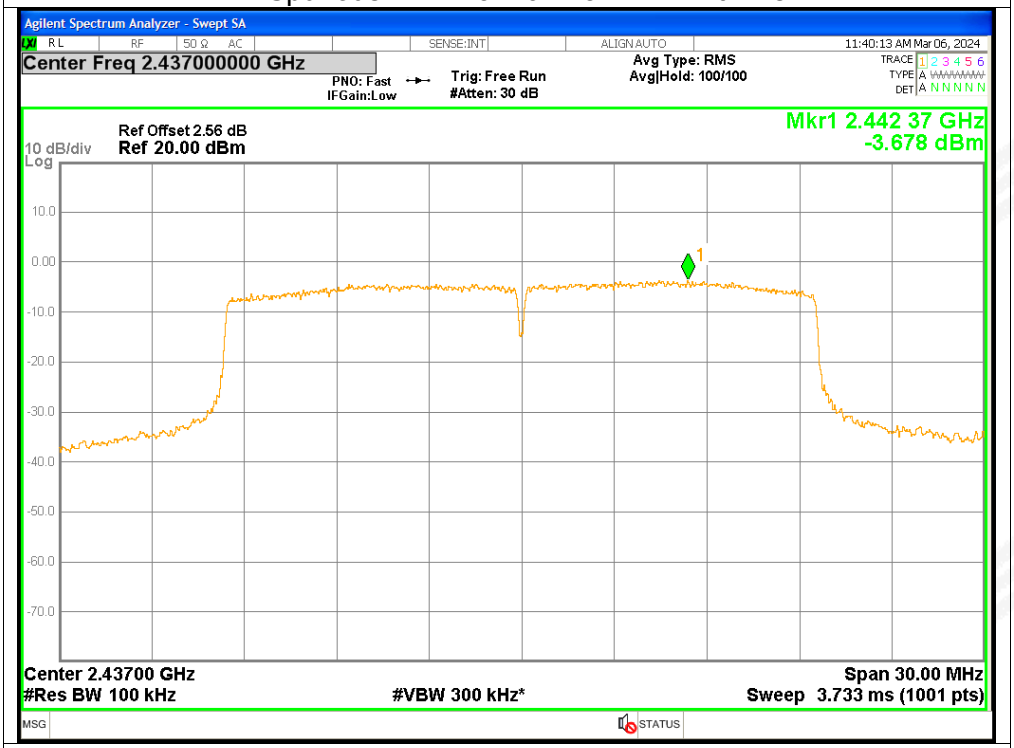
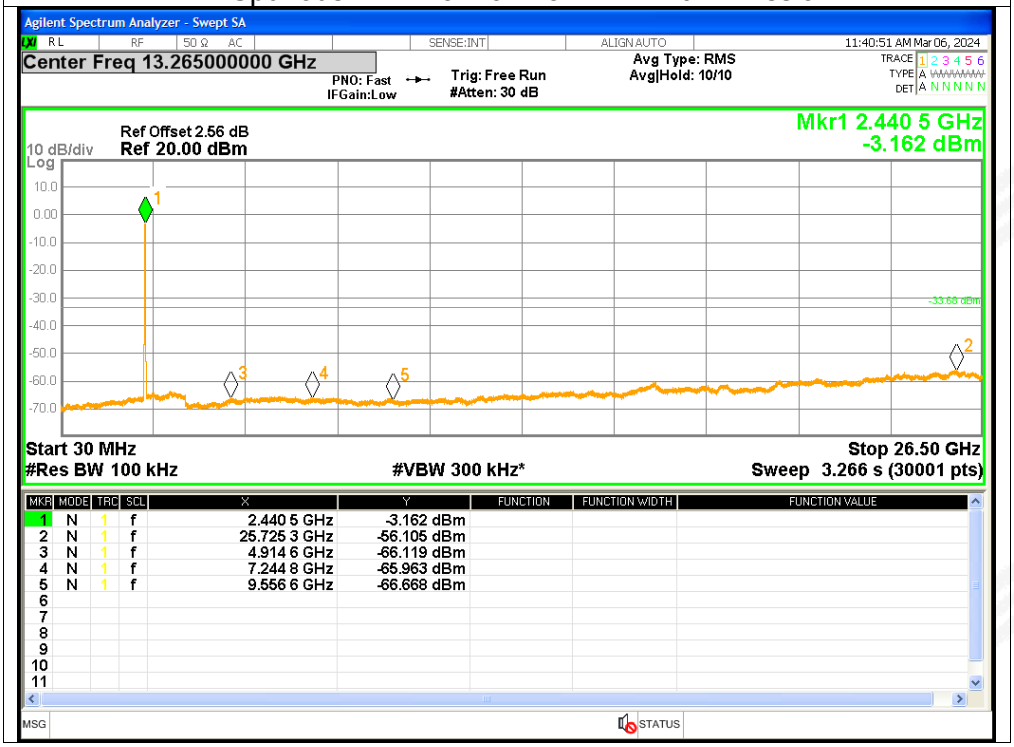


Tx. Spurious NVNT ax20 2412MHz Ant4 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.415 8 GHz	-6.533 dBm			
2	N	1	f	25.691 8 GHz	-55.837 dBm			
3	N	1	f	4.956 1 GHz	-66.227 dBm			
4	N	1	f	7.225 4 GHz	-66.339 dBm			
5	N	1	f	9.456 8 GHz	-66.153 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



Tx. Spurious NVNT ax20 2437MHz Ant1 Emission