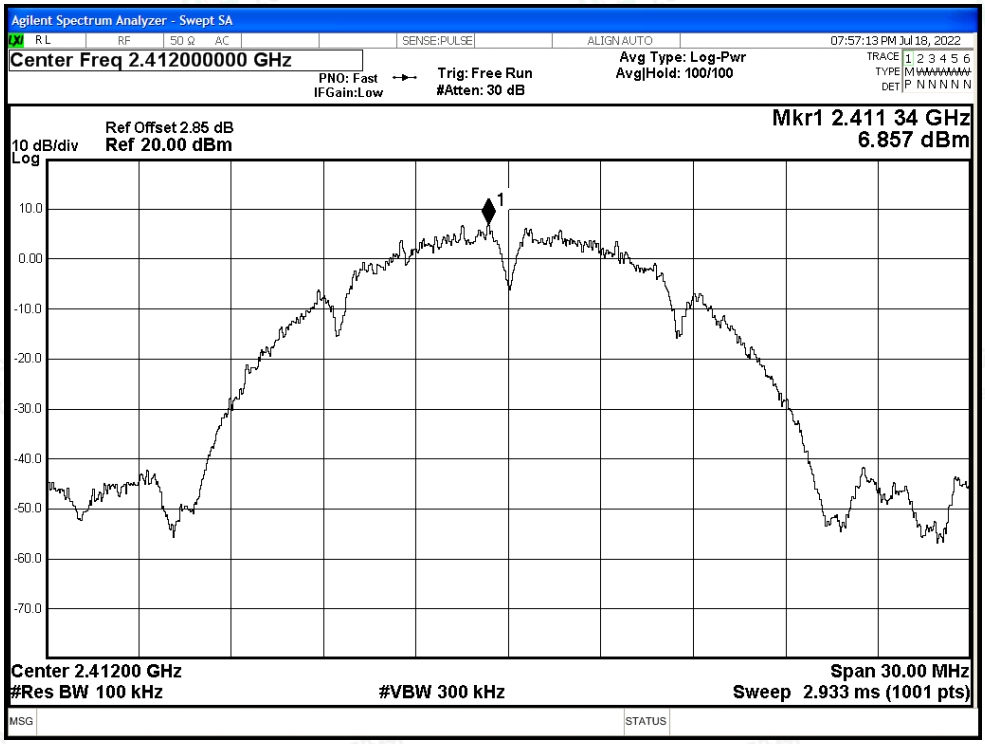
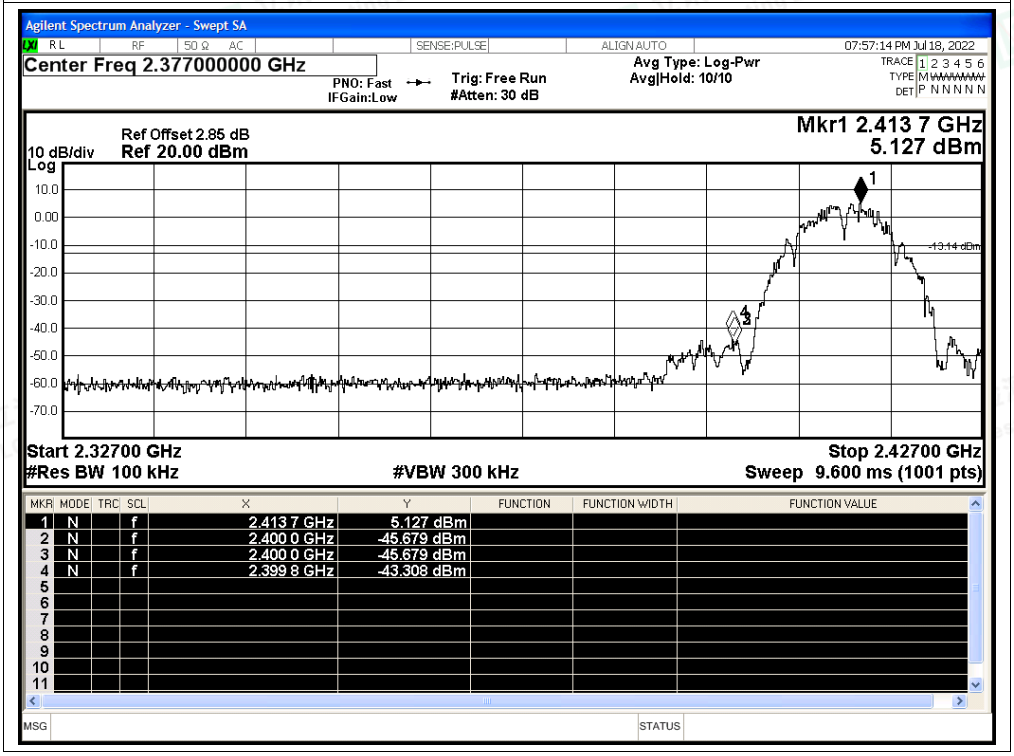
Test Graphs

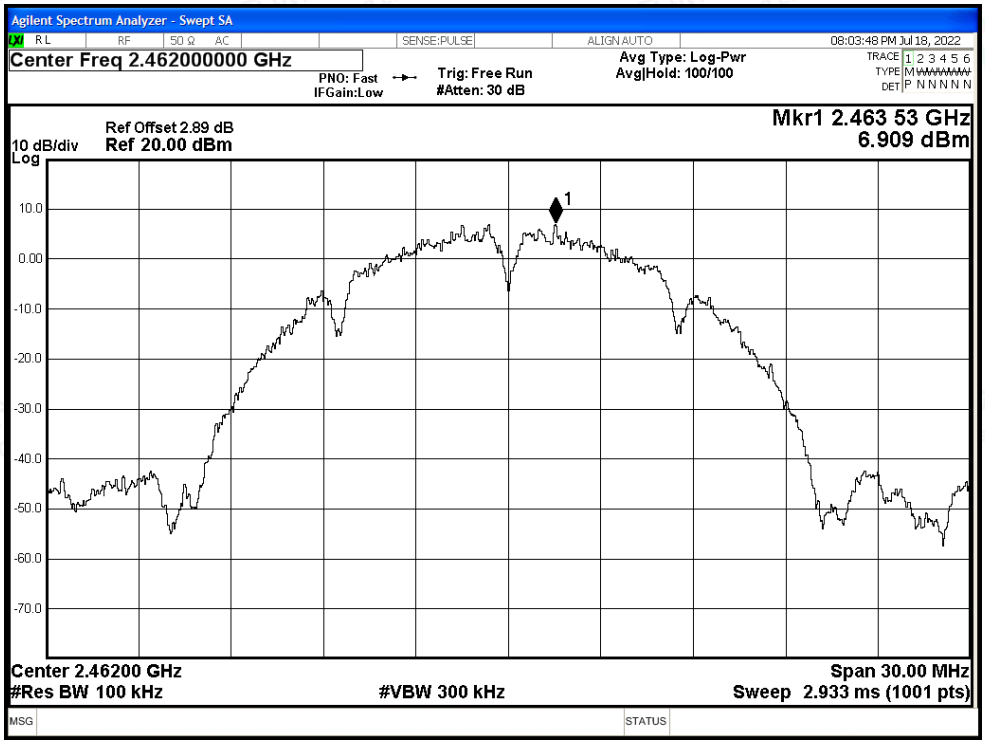
Band Edge NVNT b 2412MHz Ant1 Ref



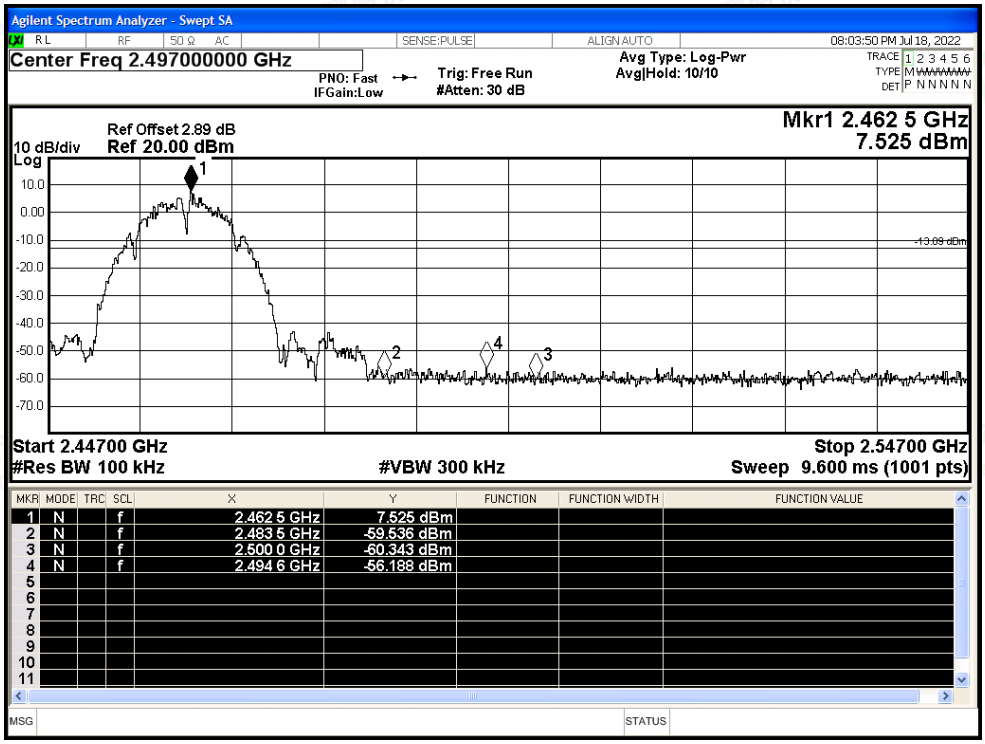
Band Edge NVNT b 2412MHz Ant1 Emission



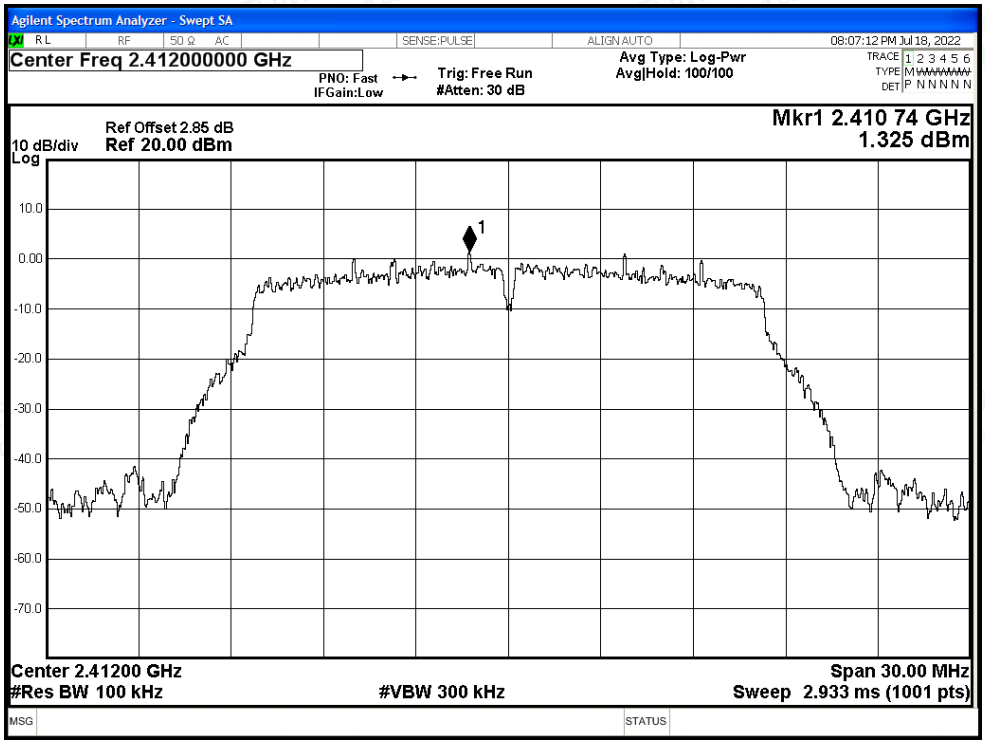
Band Edge NVNT b 2462MHz Ant1 Ref



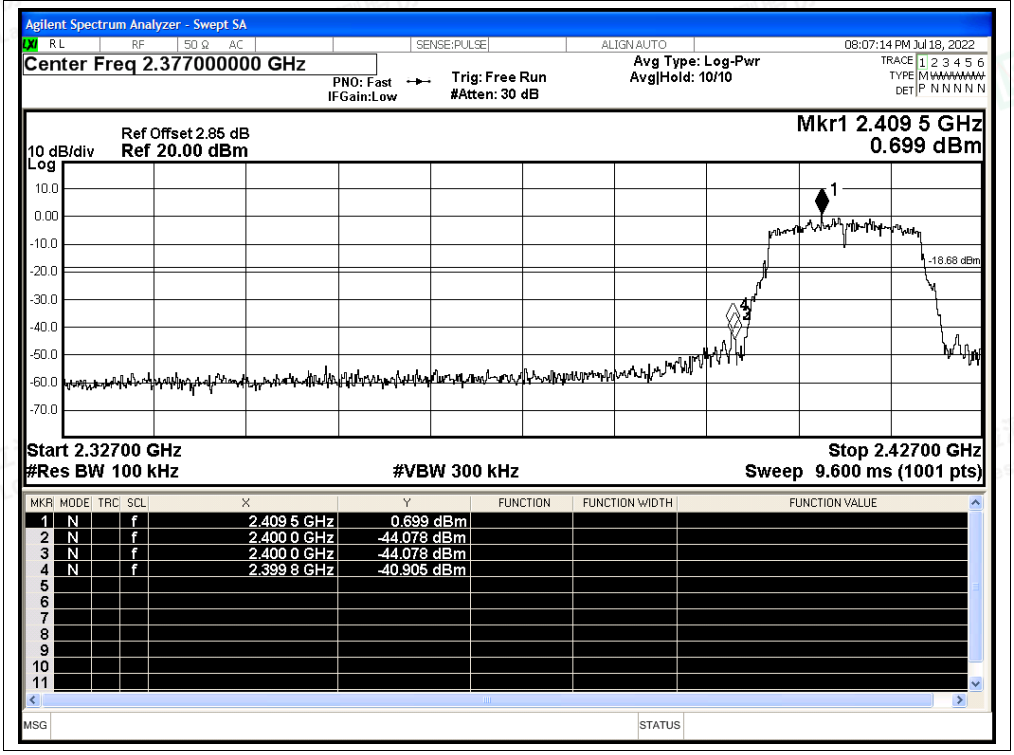
Band Edge NVNT b 2462MHz Ant1 Emission



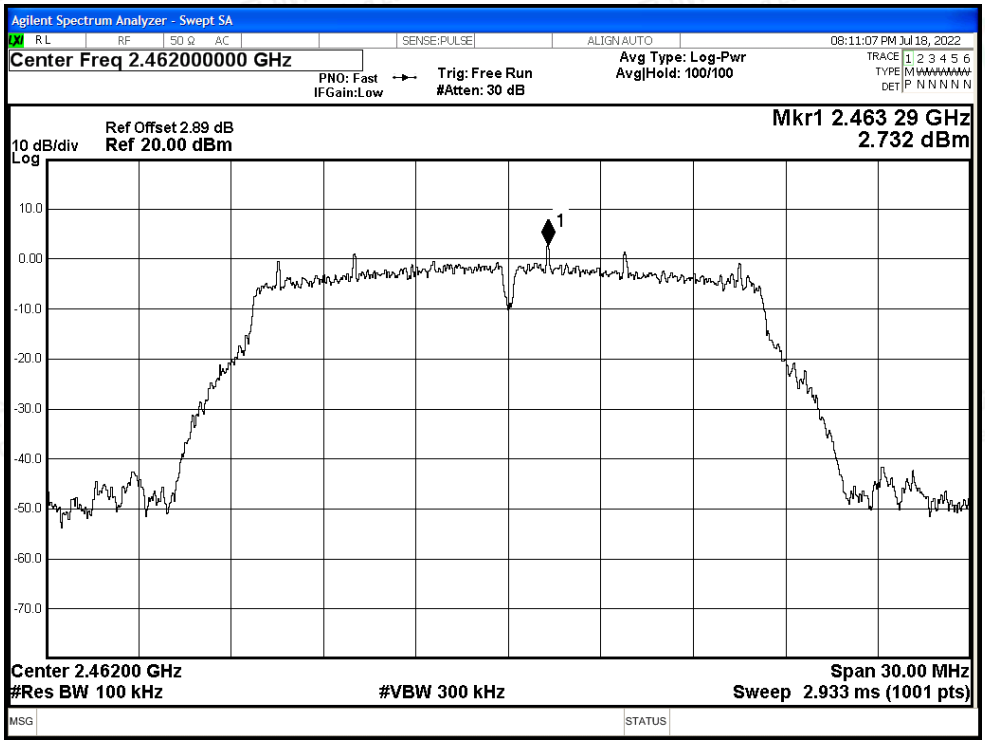
Band Edge NVNT g 2412MHz Ant1 Ref



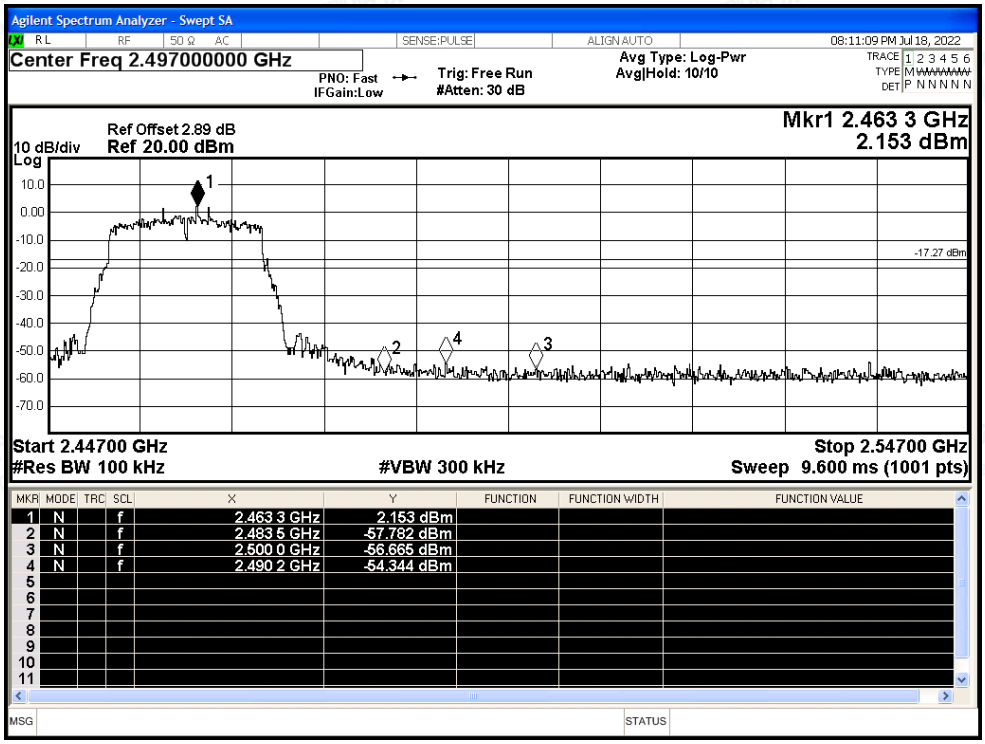
Band Edge NVNT g 2412MHz Ant1 Emission



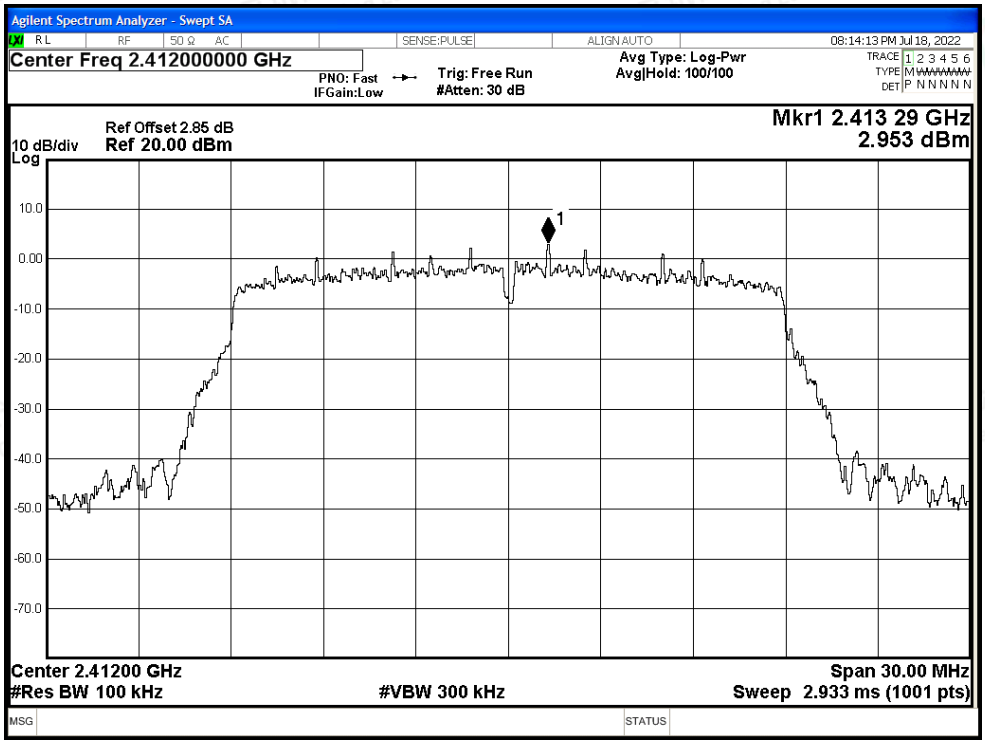
Band Edge NVNT g 2462MHz Ant1 Ref



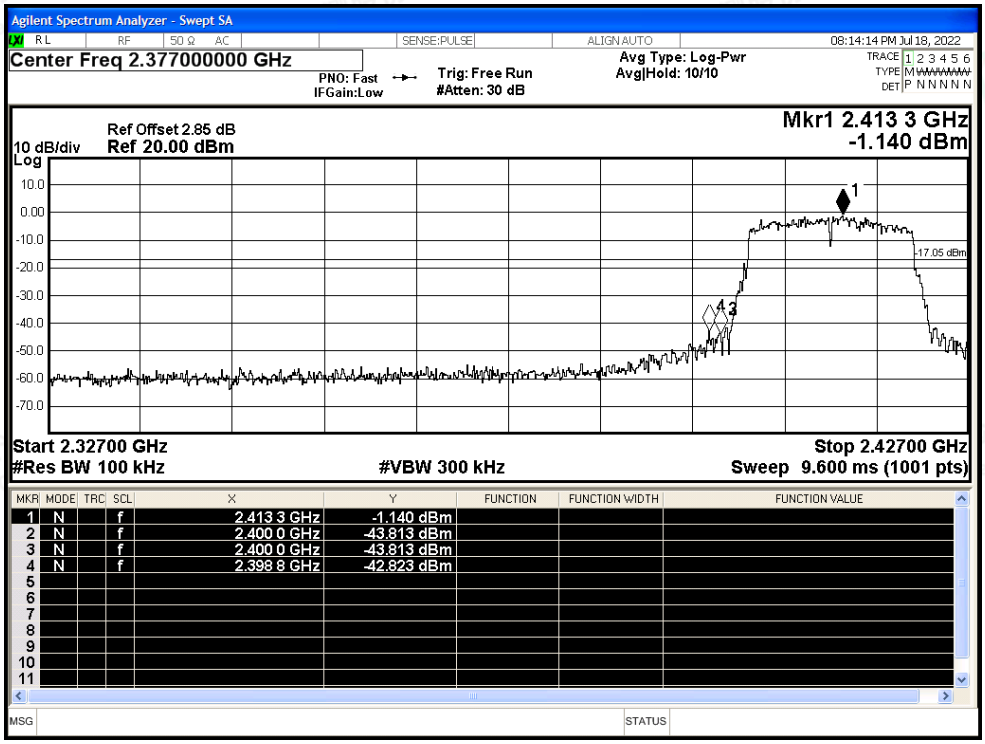
Band Edge NVNT g 2462MHz Ant1 Emission



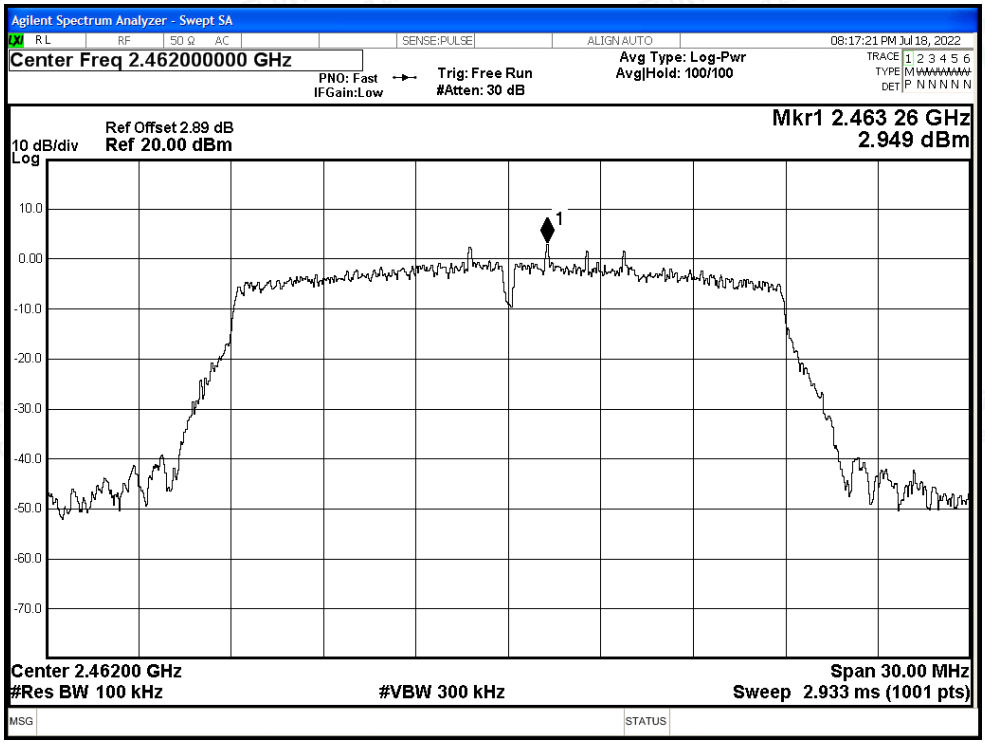
Band Edge NVNT n20 2412MHz Ant1 Ref



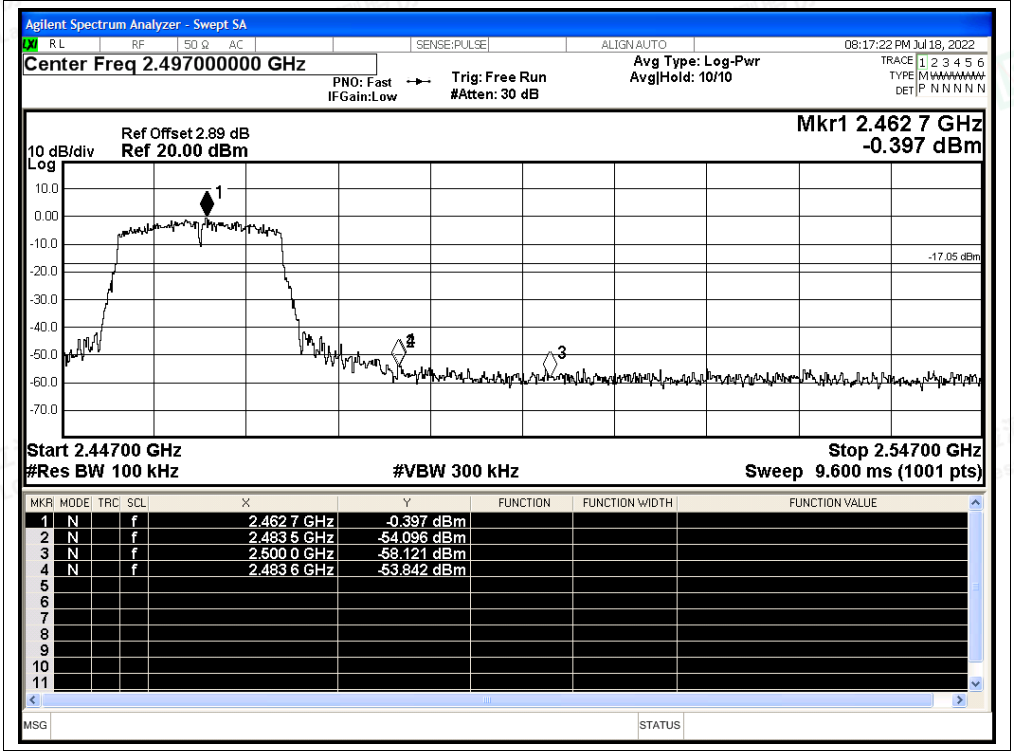
Band Edge NVNT n20 2412MHz Ant1 Emission



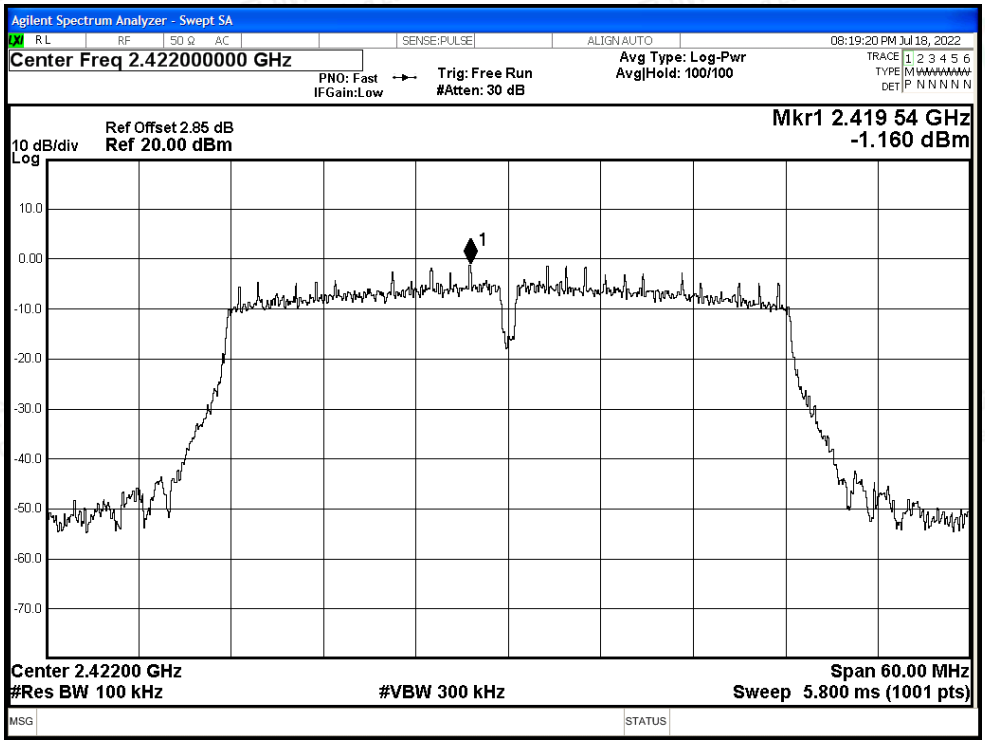
Band Edge NVNT n20 2462MHz Ant1 Ref



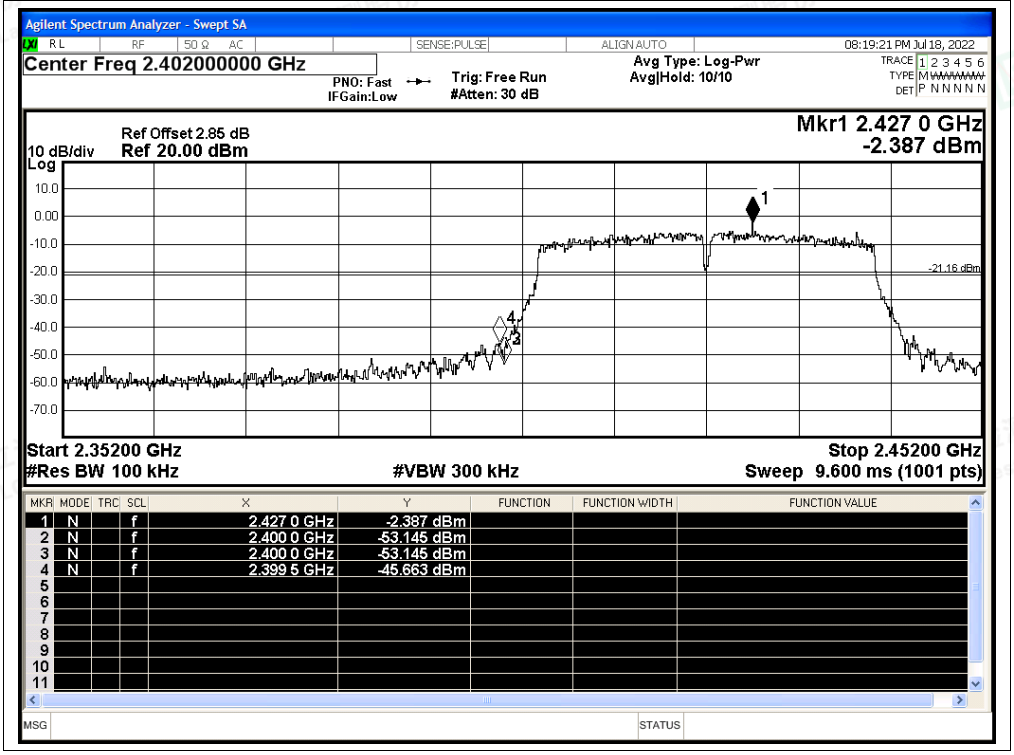
Band Edge NVNT n20 2462MHz Ant1 Emission



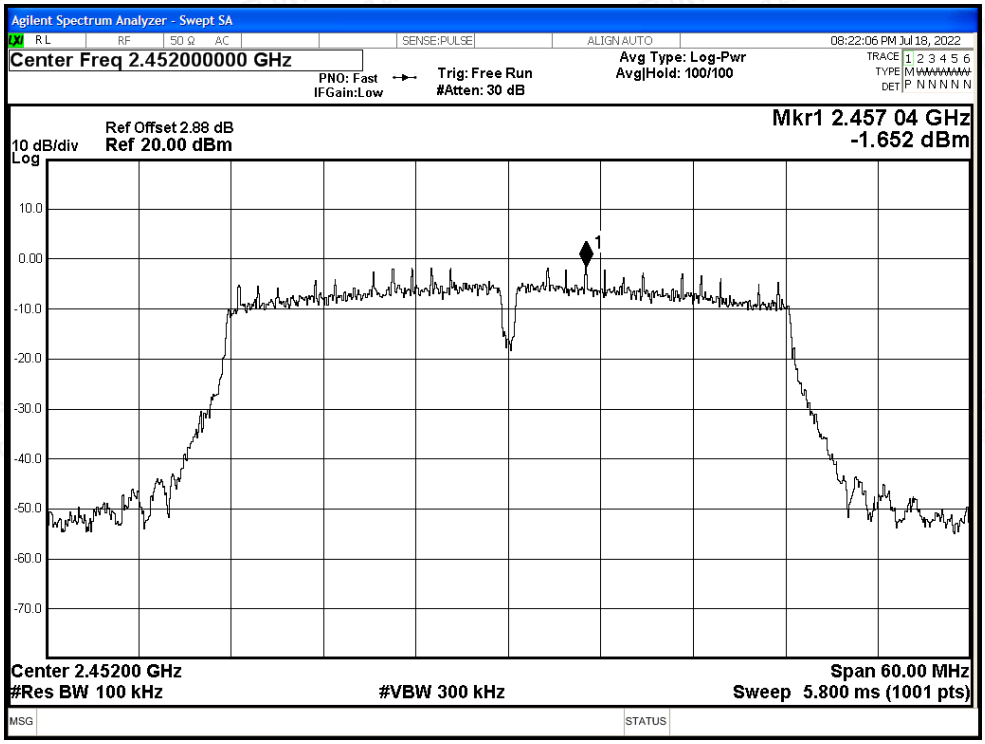
Band Edge NVNT n40 2422MHz Ant1 Ref



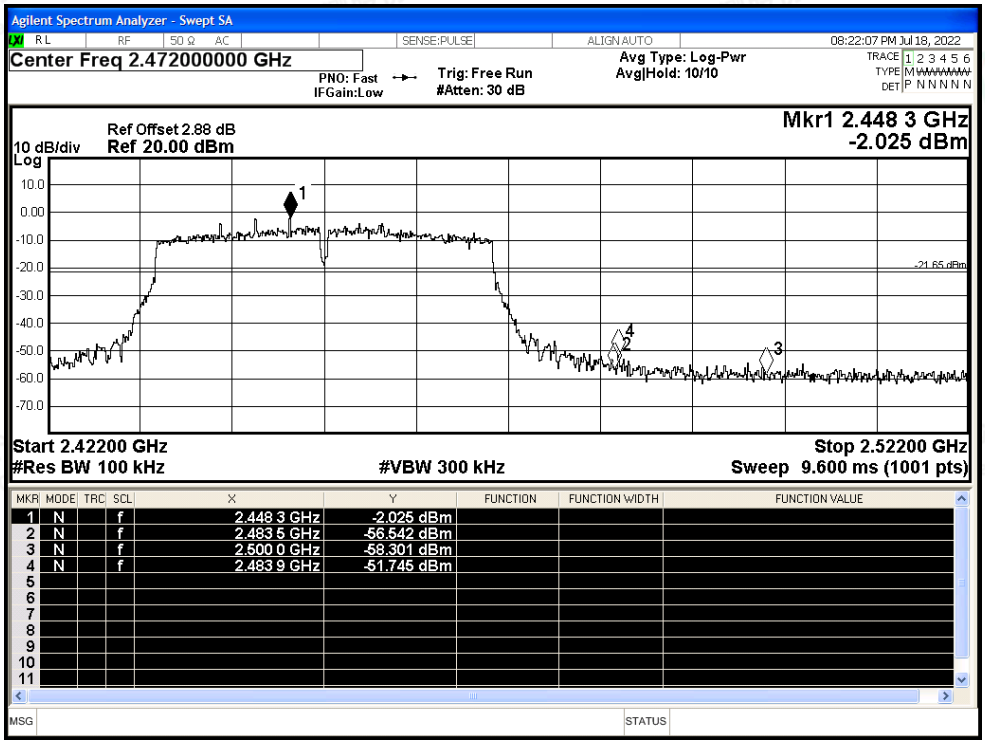
Band Edge NVNT n40 2422MHz Ant1 Emission



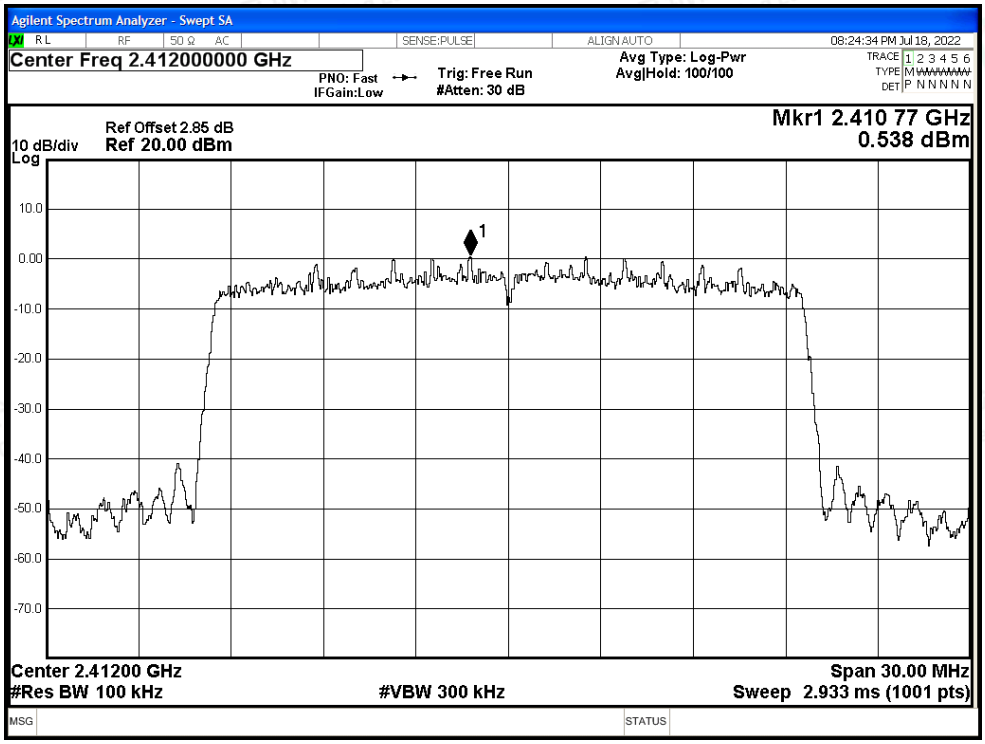
Band Edge NVNT n40 2452MHz Ant1 Ref



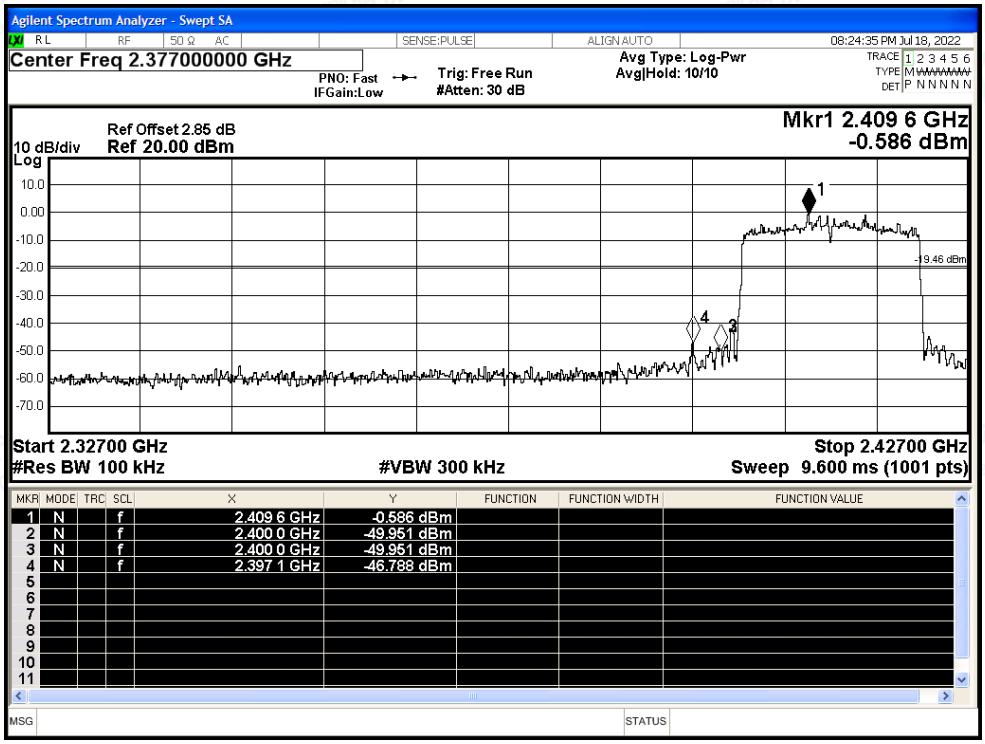
Band Edge NVNT n40 2452MHz Ant1 Emission



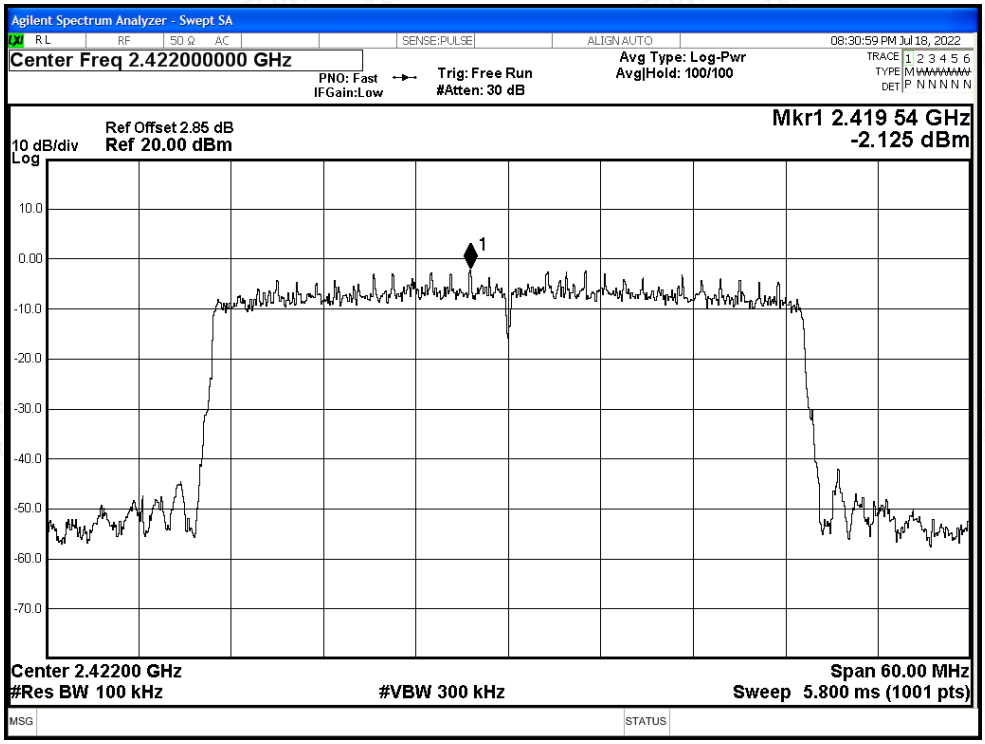
Band Edge NVNT ax20 2412MHz Ant1 Ref



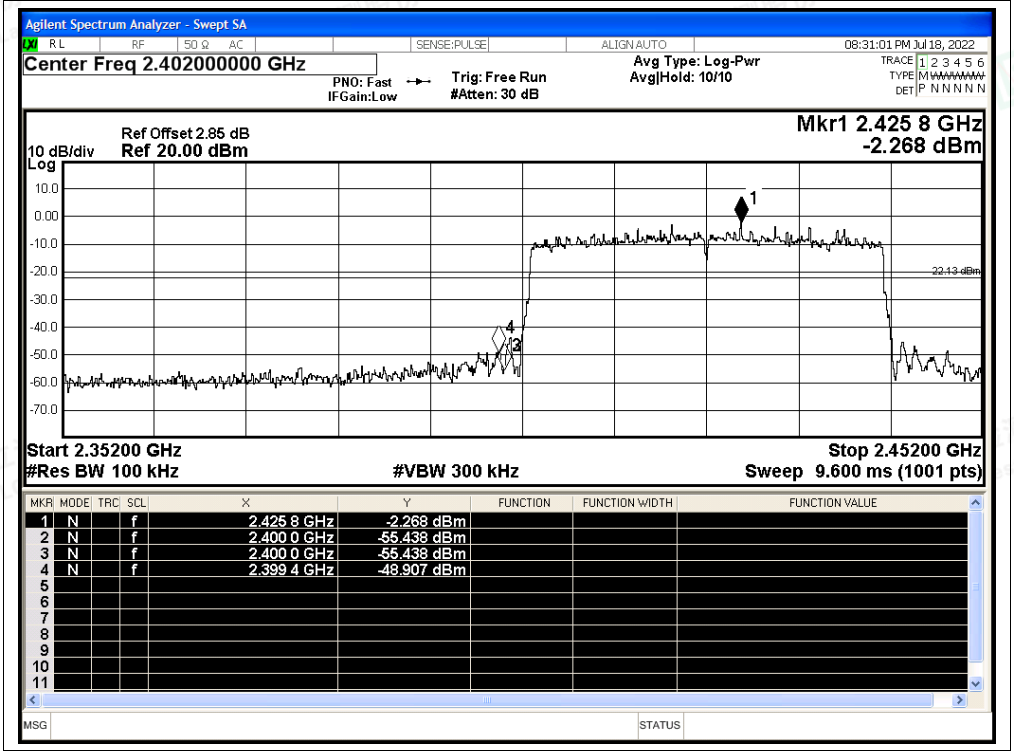
Band Edge NVNT ax20 2412MHz Ant1 Emission



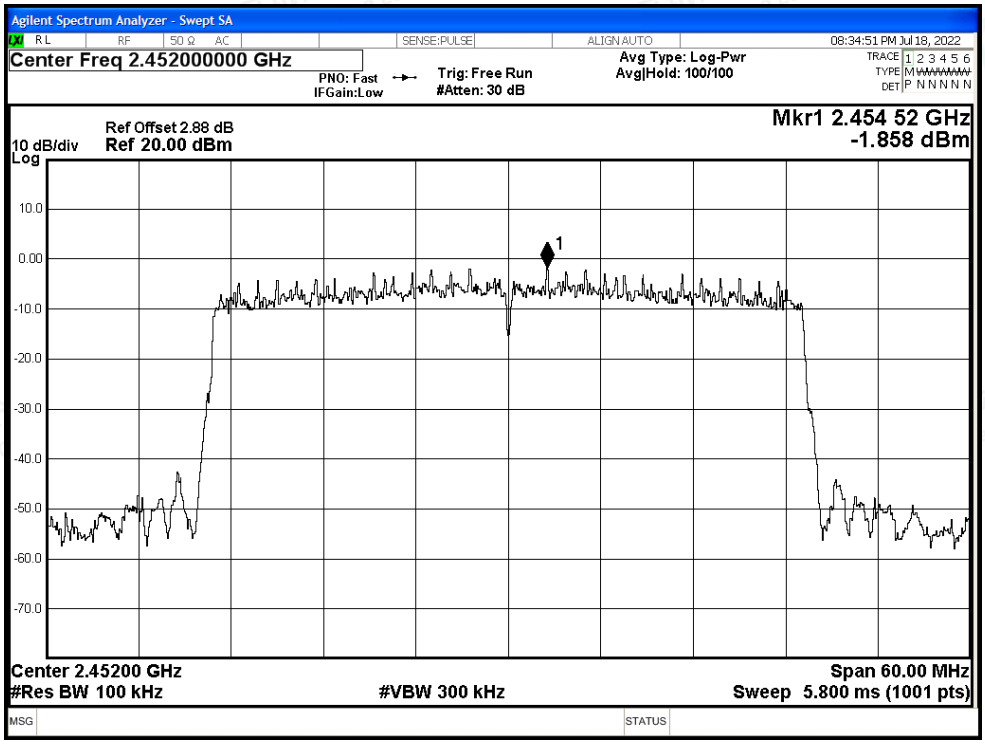
Band Edge NVNT ax40 2422MHz Ant1 Ref



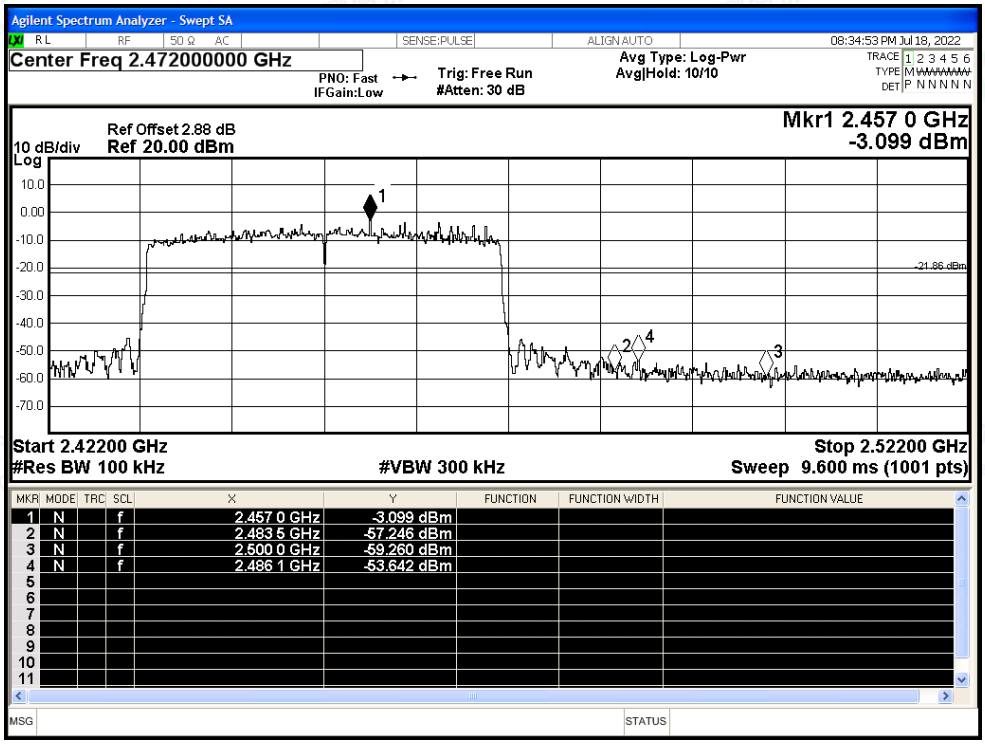
Band Edge NVNT ax40 2422MHz Ant1 Emission



Band Edge NVNT ax40 2452MHz Ant1 Ref



Band Edge NVNT ax40 2452MHz Ant1 Emission

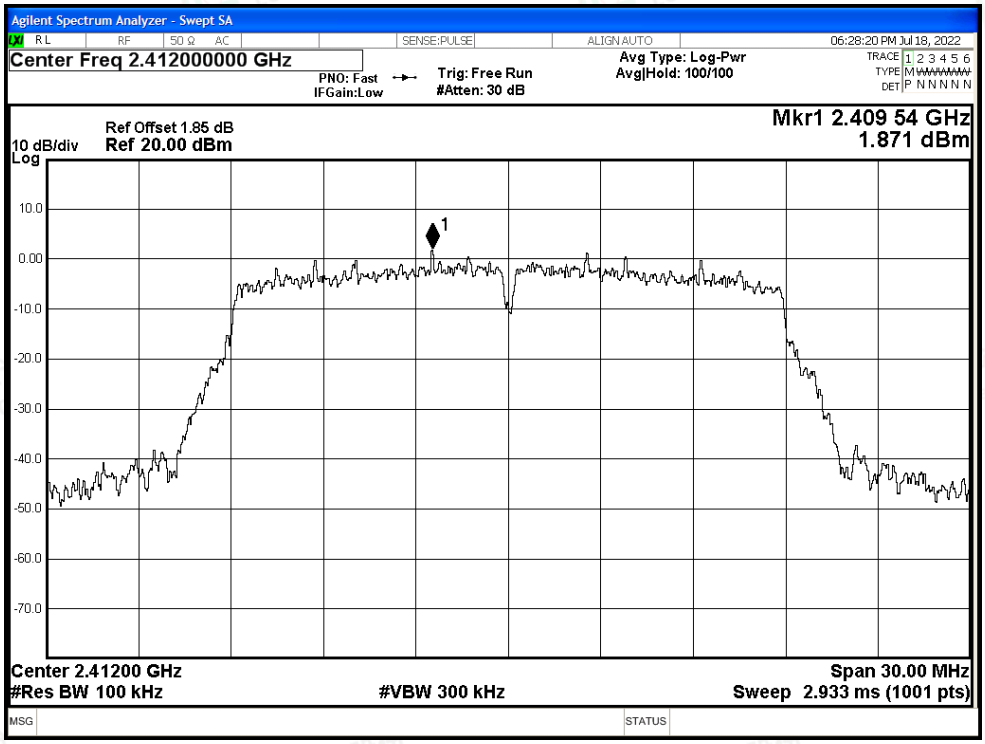


A.6 Conducted RF Spurious Emission

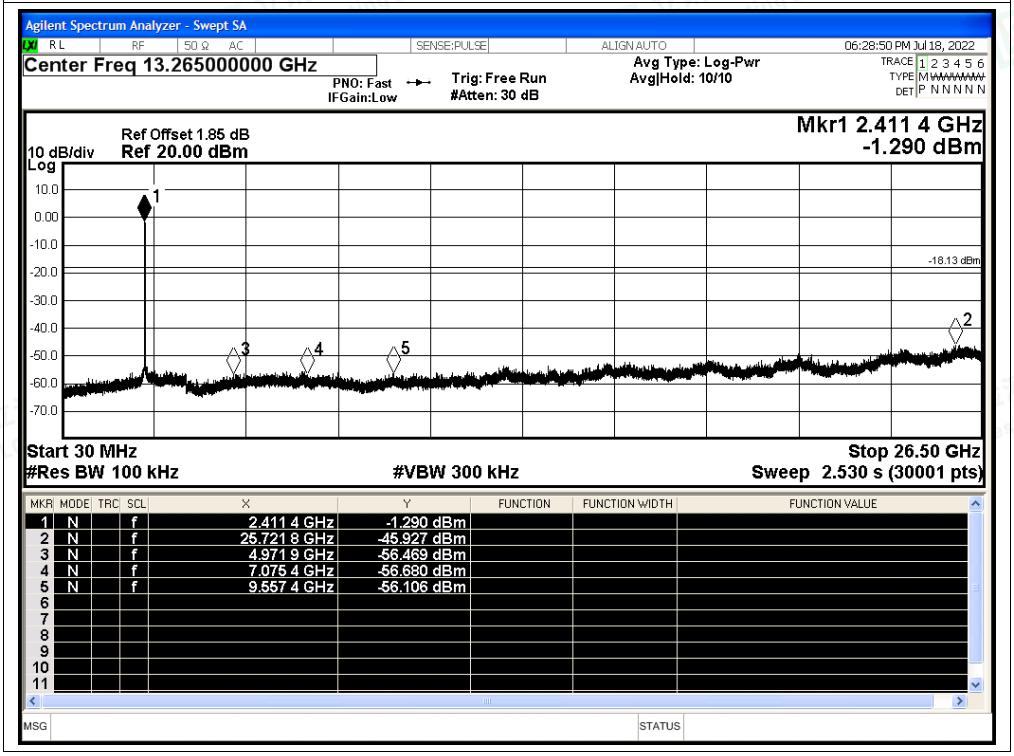
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant0	-47.8	-20	Pass
NVNT	b	2437	Ant0	-52.69	-20	Pass
NVNT	b	2462	Ant0	-51.51	-20	Pass
NVNT	g	2412	Ant0	-46.53	-20	Pass
NVNT	g	2437	Ant0	-46.22	-20	Pass
NVNT	g	2462	Ant0	-46.57	-20	Pass
NVNT	n20	2412	Ant0	-47.53	-20	Pass
NVNT	n20	2437	Ant0	-49.93	-20	Pass
NVNT	n20	2462	Ant0	-48.22	-20	Pass
NVNT	n40	2422	Ant0	-45.11	-20	Pass
NVNT	n40	2437	Ant0	-44.52	-20	Pass
NVNT	n40	2452	Ant0	-43.83	-20	Pass
NVNT	ax20	2412	Ant0	-46.21	-20	Pass
NVNT	ax20	2437	Ant0	-46.67	-20	Pass
NVNT	ax20	2462	Ant0	-46.11	-20	Pass
NVNT	ax40	2422	Ant0	-43.16	-20	Pass
NVNT	ax40	2437	Ant0	-43.36	-20	Pass
NVNT	ax40	2452	Ant0	-42.38	-20	Pass

Test Graphs

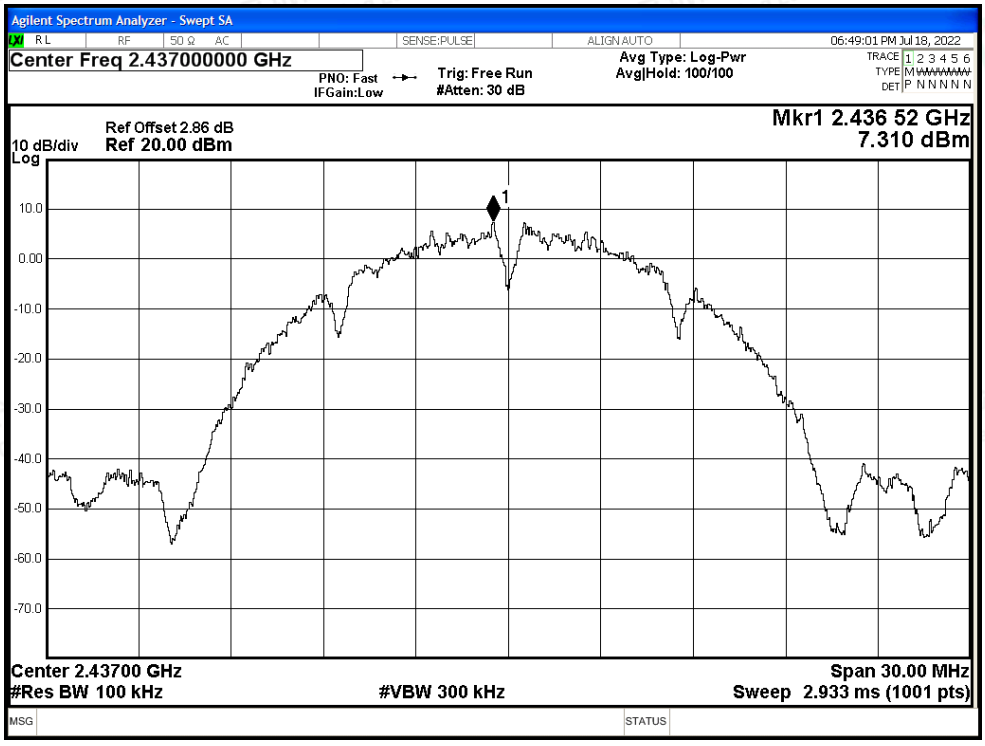
Tx. Spurious NVNT b 2412MHz Ant0 Ref



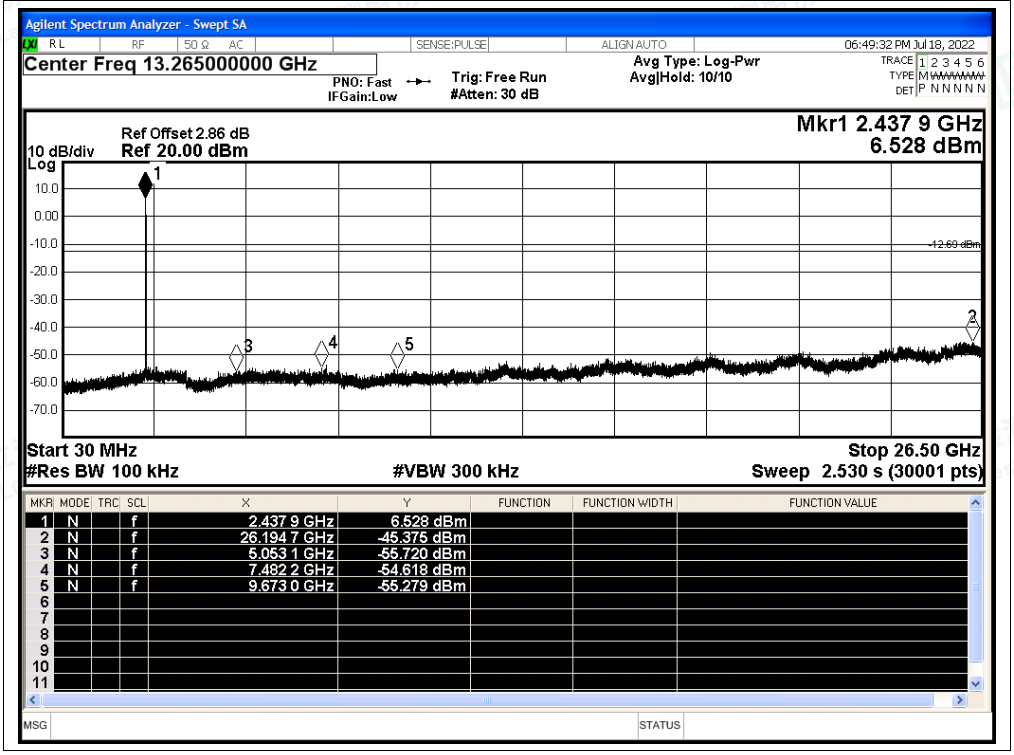
Tx. Spurious NVNT b 2412MHz Ant0 Emission



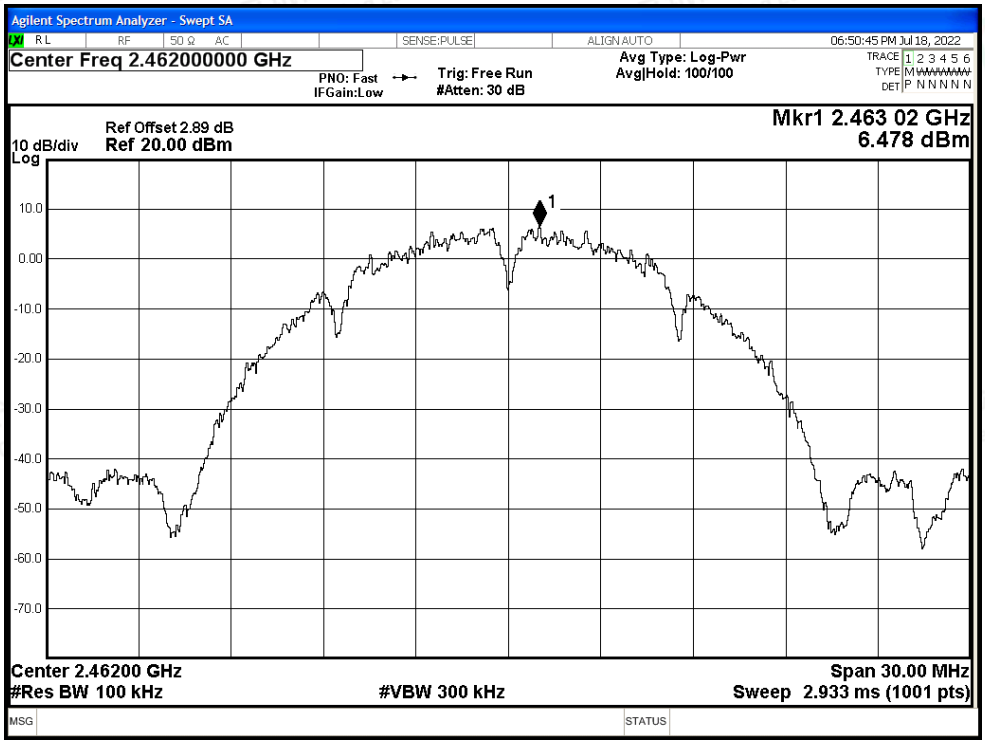
Tx. Spurious NVNT b 2437MHz Ant0 Ref



Tx. Spurious NVNT b 2437MHz Ant0 Emission



Tx. Spurious NVNT b 2462MHz Ant0 Ref



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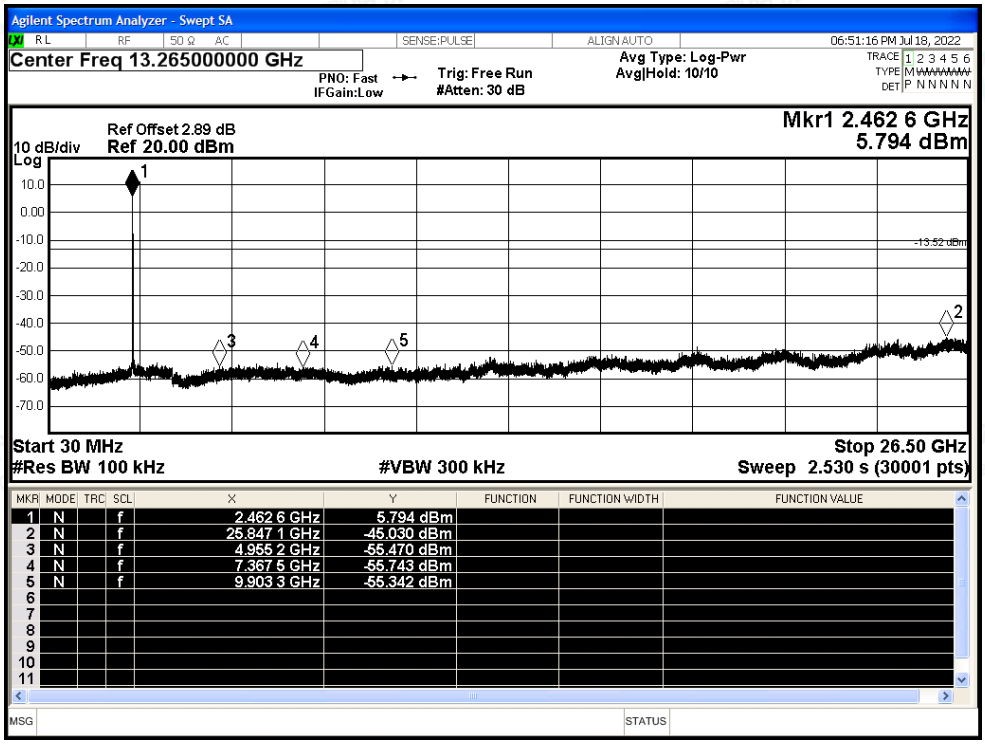

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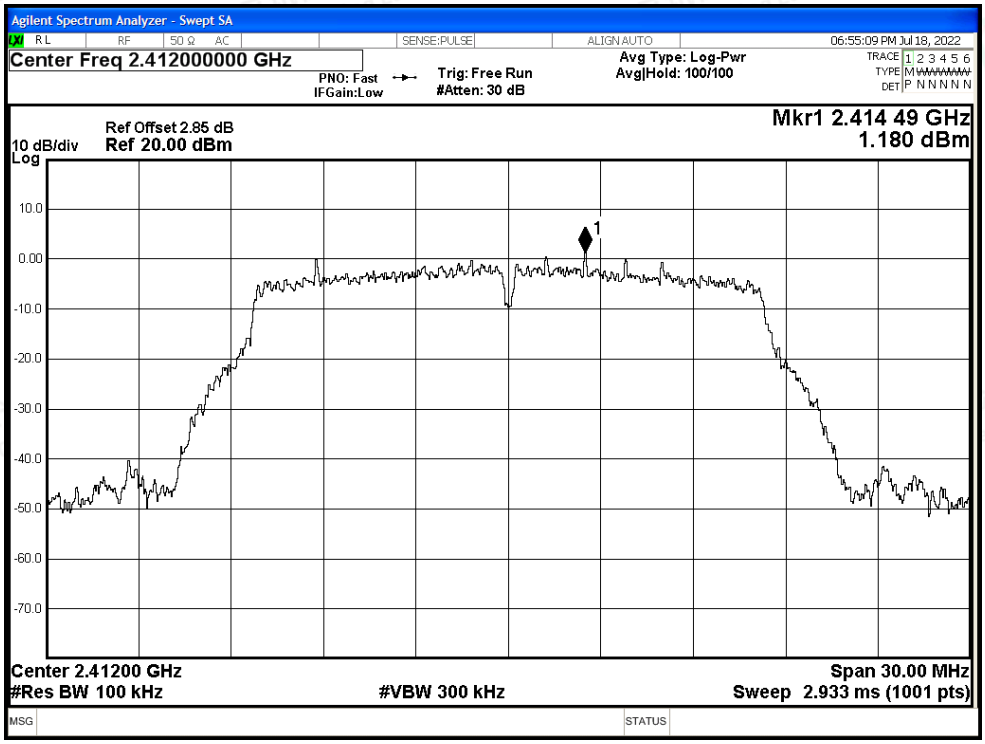
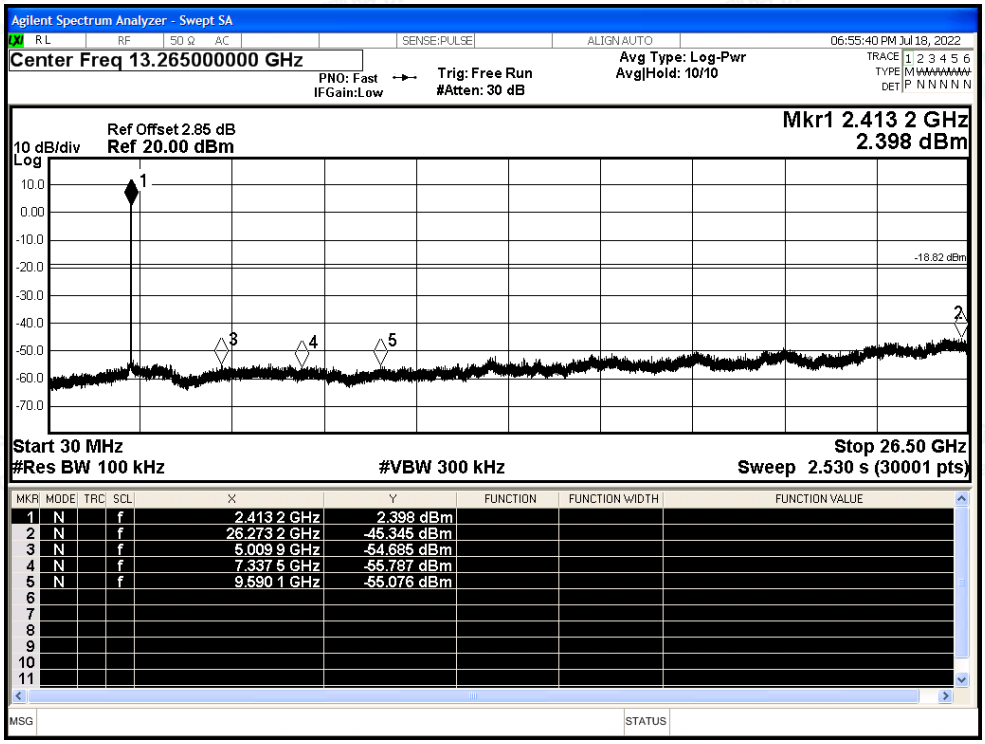
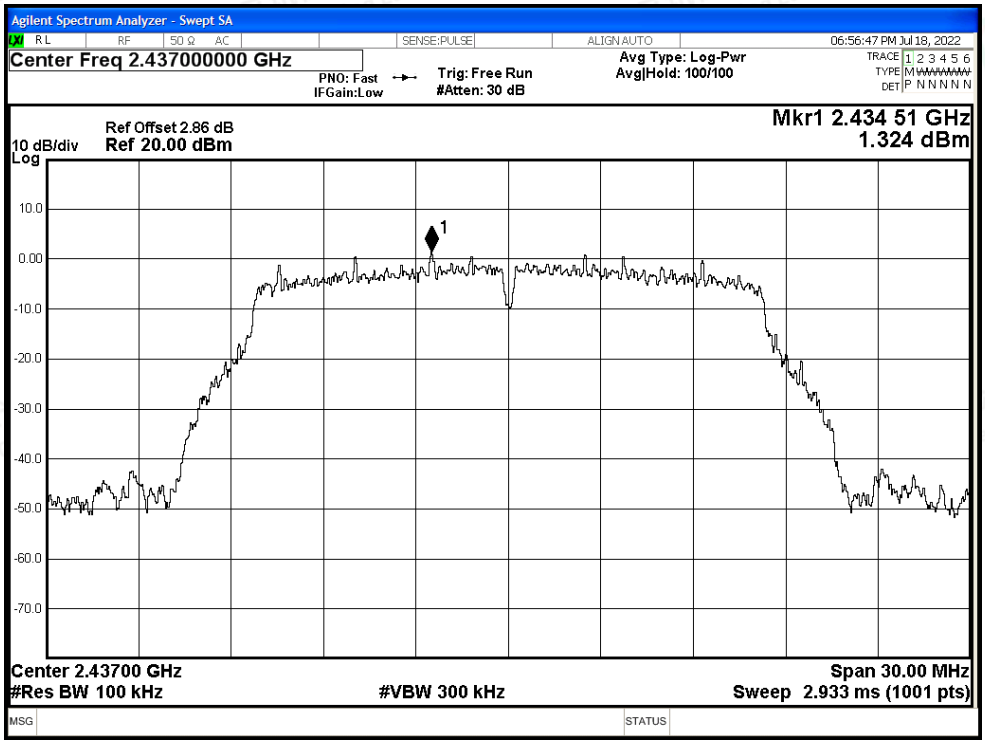


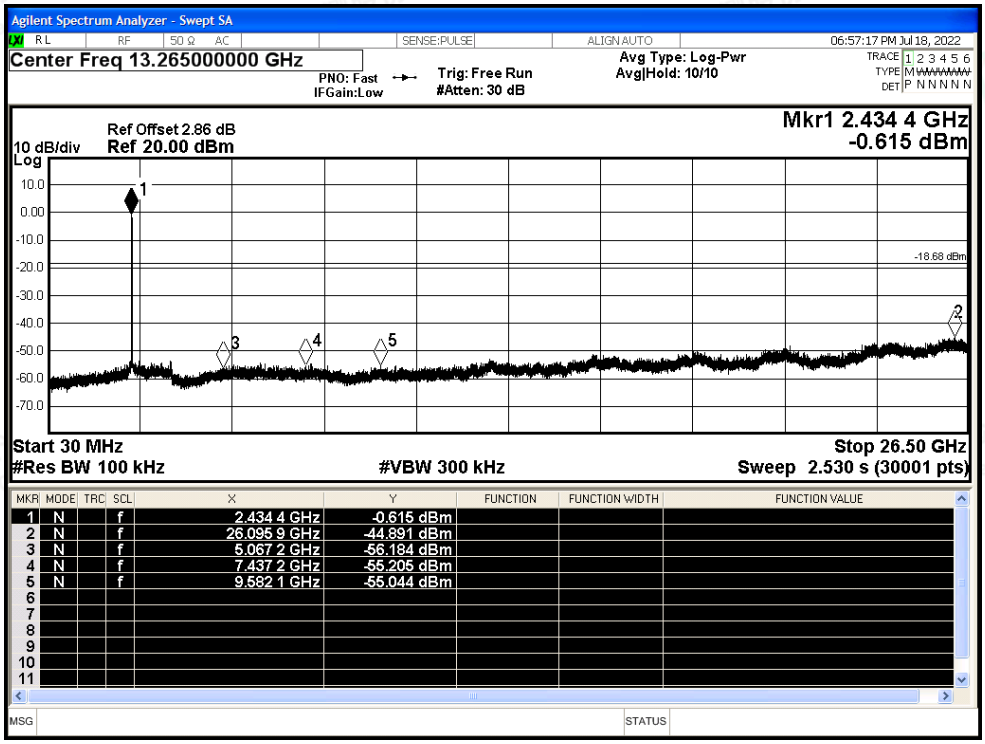
Tx. Spurious NVNT g 2412MHz Ant0 Emission



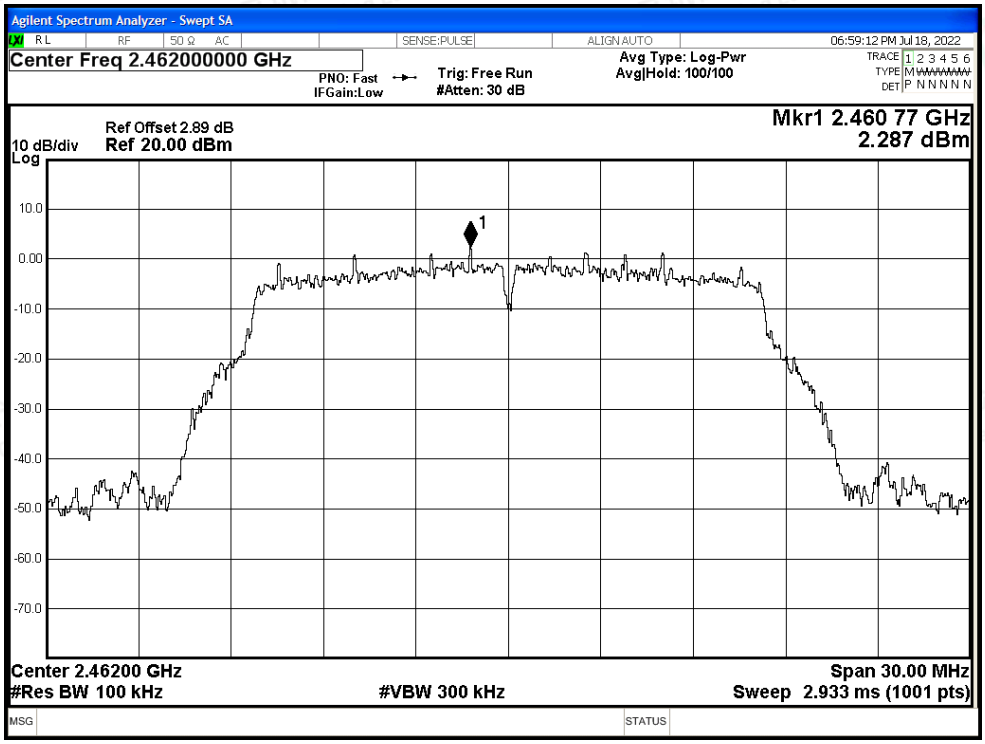
Tx. Spurious NVNT g 2437MHz Ant0 Ref



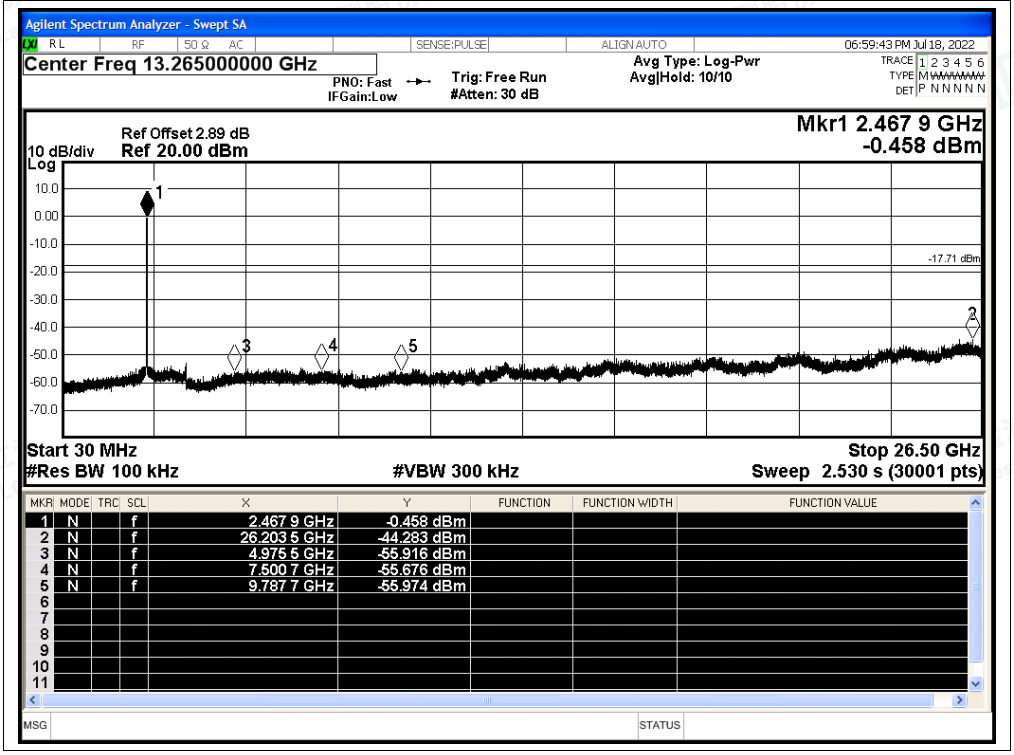
Tx. Spurious NVNT g 2437MHz Ant0 Emission



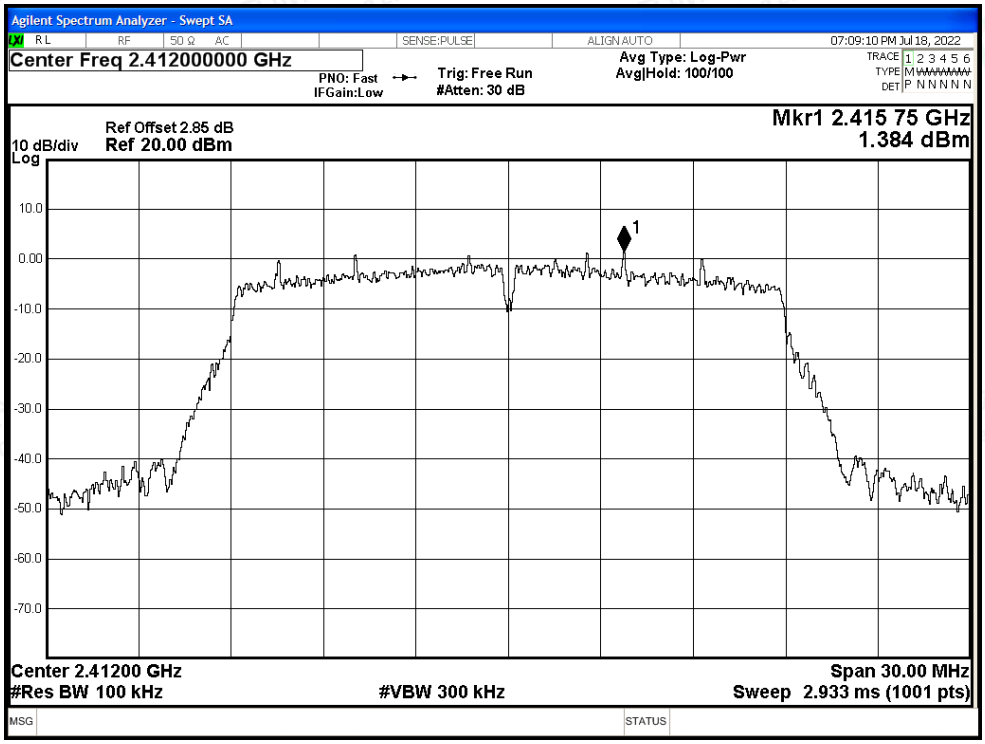
Tx. Spurious NVNT g 2462MHz Ant0 Ref



Tx. Spurious NVNT g 2462MHz Ant0 Emission



Tx. Spurious NVNT n20 2412MHz Ant0 Ref



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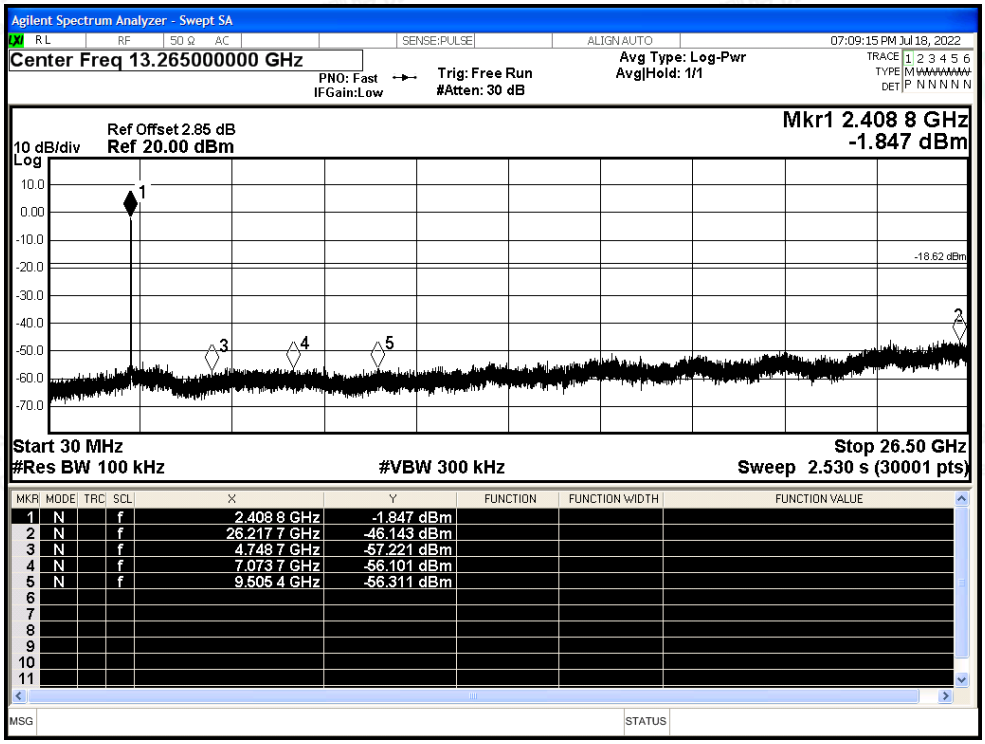

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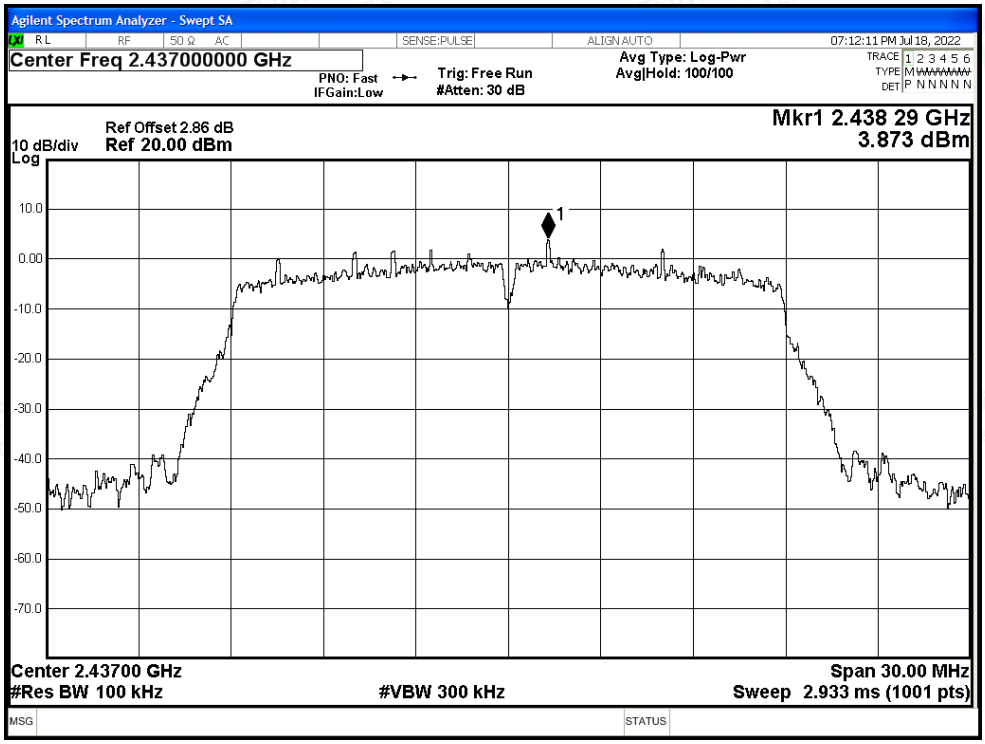

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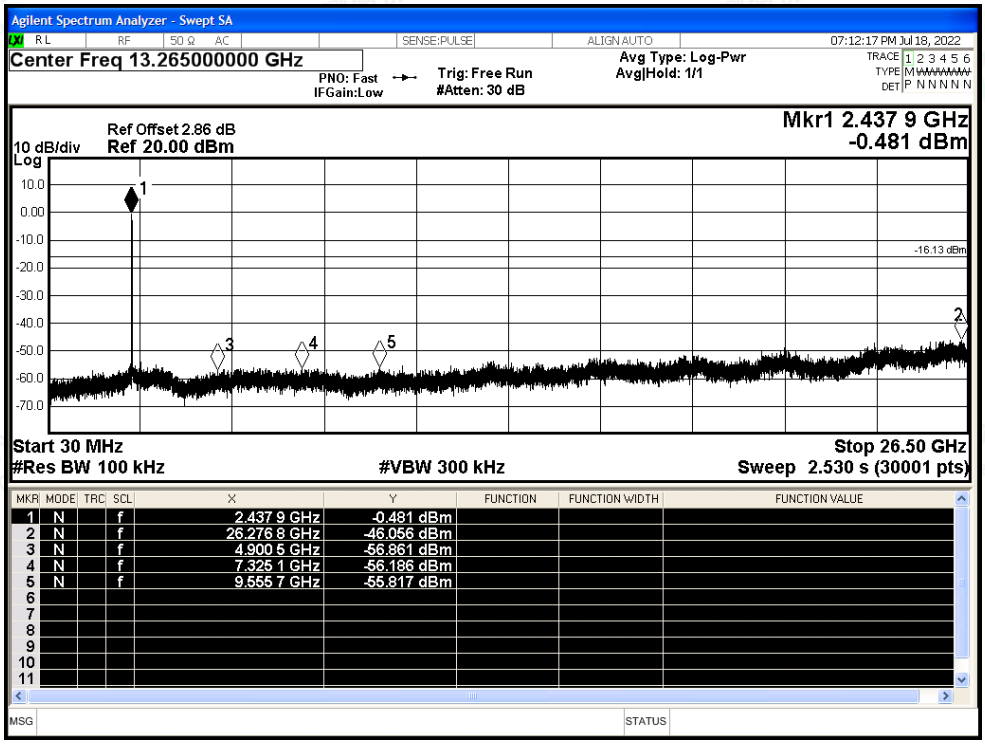
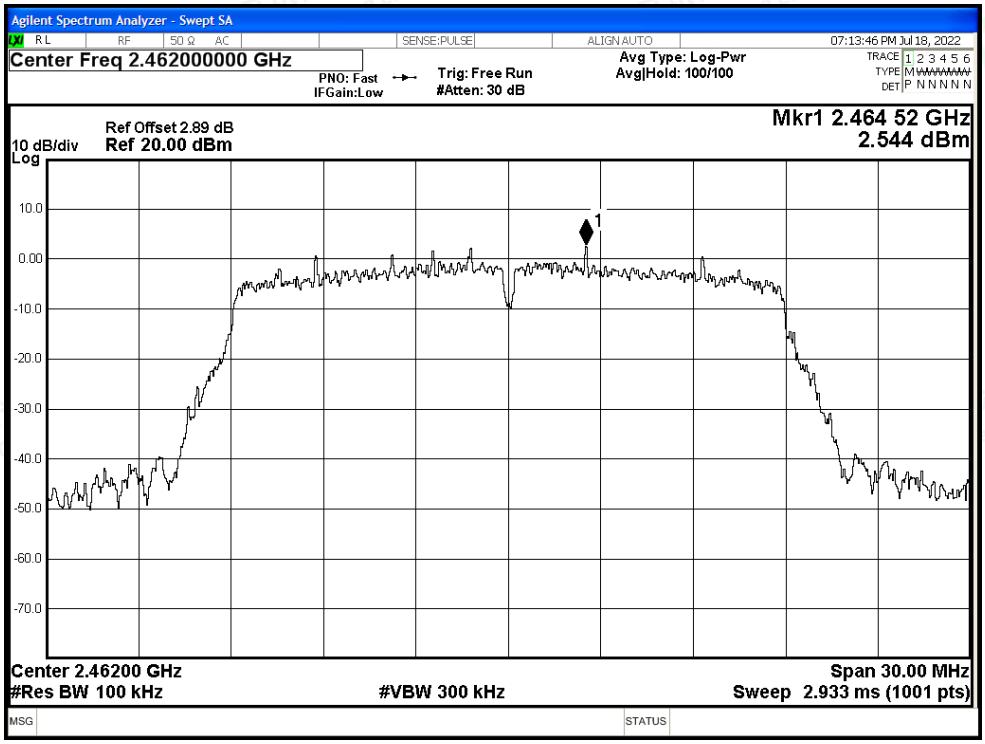
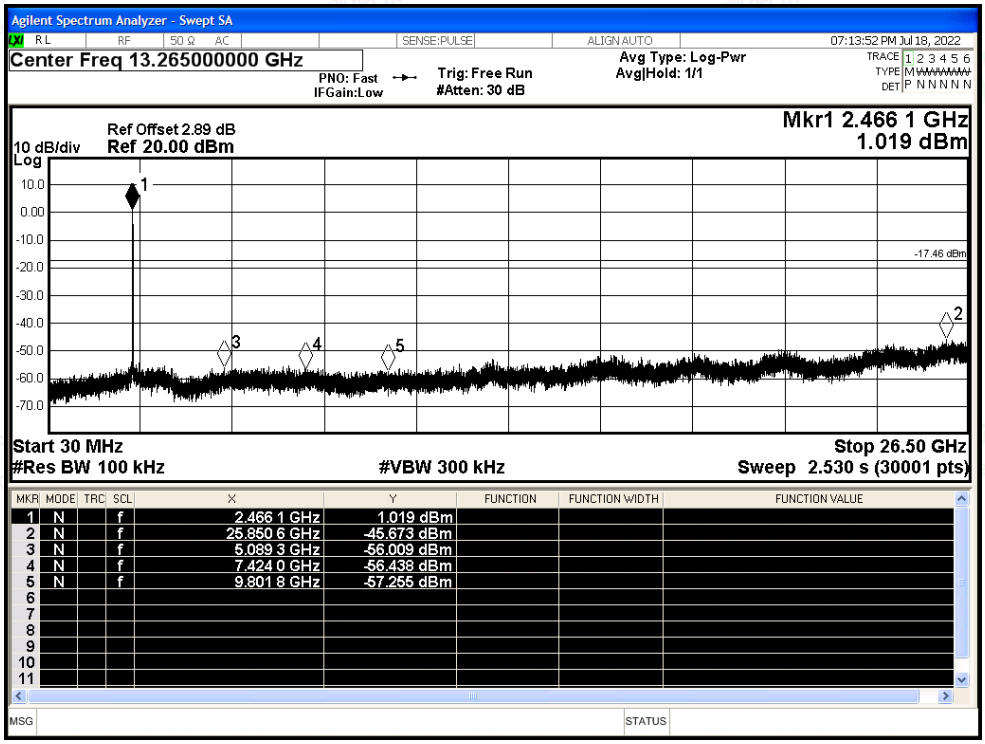


Tx. Spurious NVNT n20 2462MHz Ant0 Ref

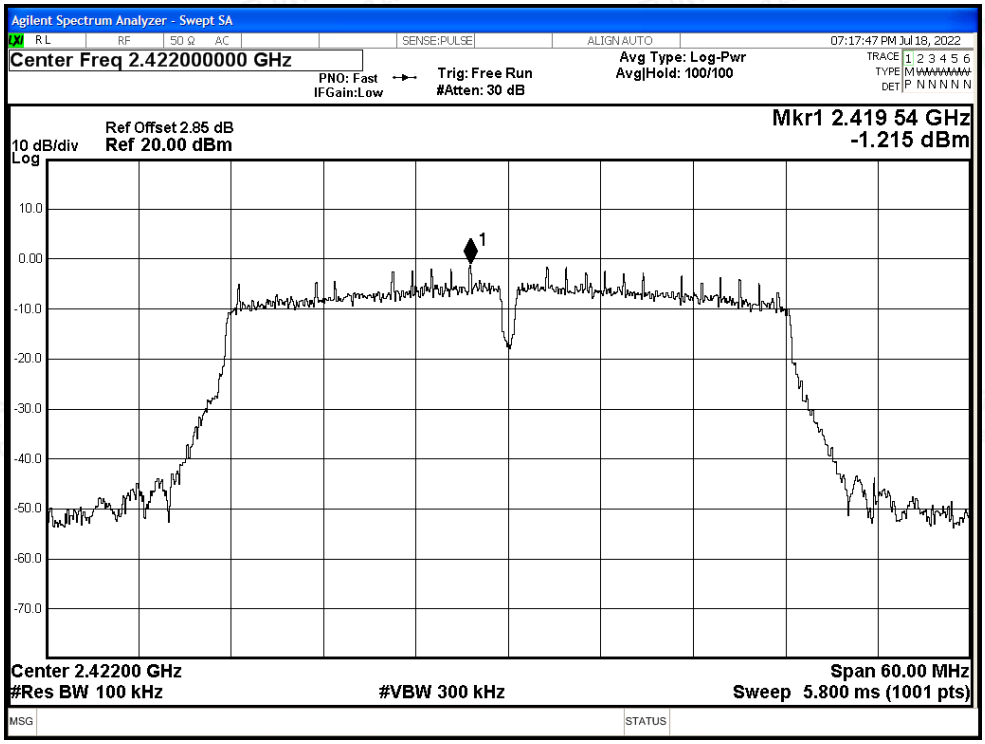


Tx. Spurious NVNT n20 2462MHz Ant0 Emission

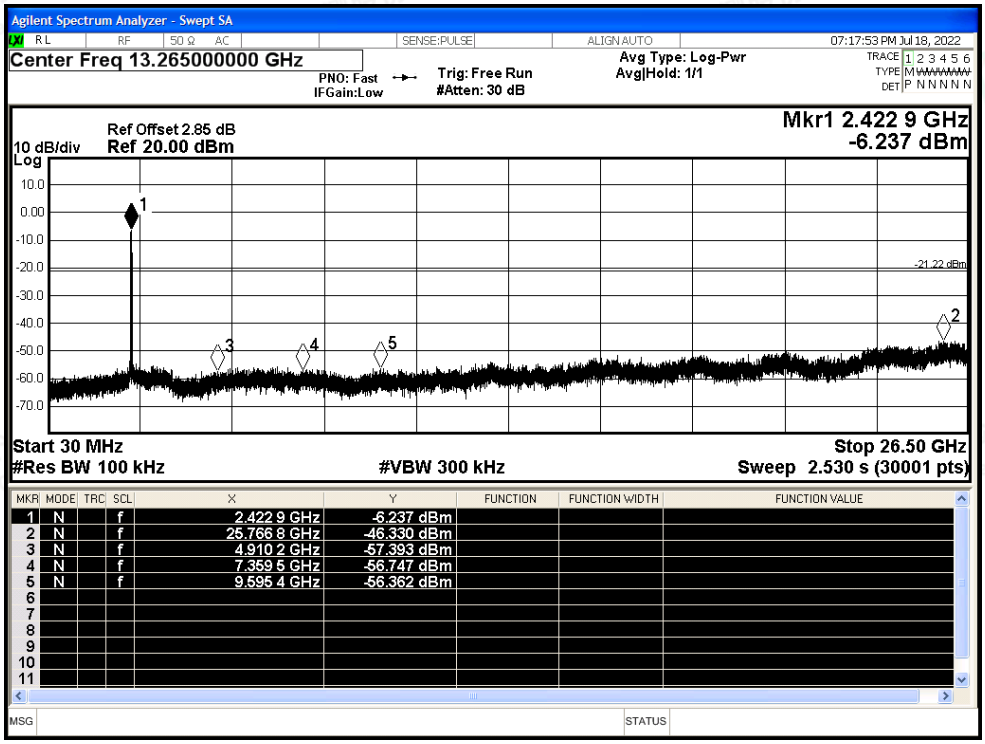


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.466 1 GHz	1.019 dBm			
2	N		f	25.850 6 GHz	-45.673 dBm			
3	N		f	5.089 3 GHz	-56.009 dBm			
4	N		f	7.424 0 GHz	-56.438 dBm			
5	N		f	9.801 8 GHz	-57.255 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2422MHz Ant0 Ref



Tx. Spurious NVNT n40 2422MHz Ant0 Emission



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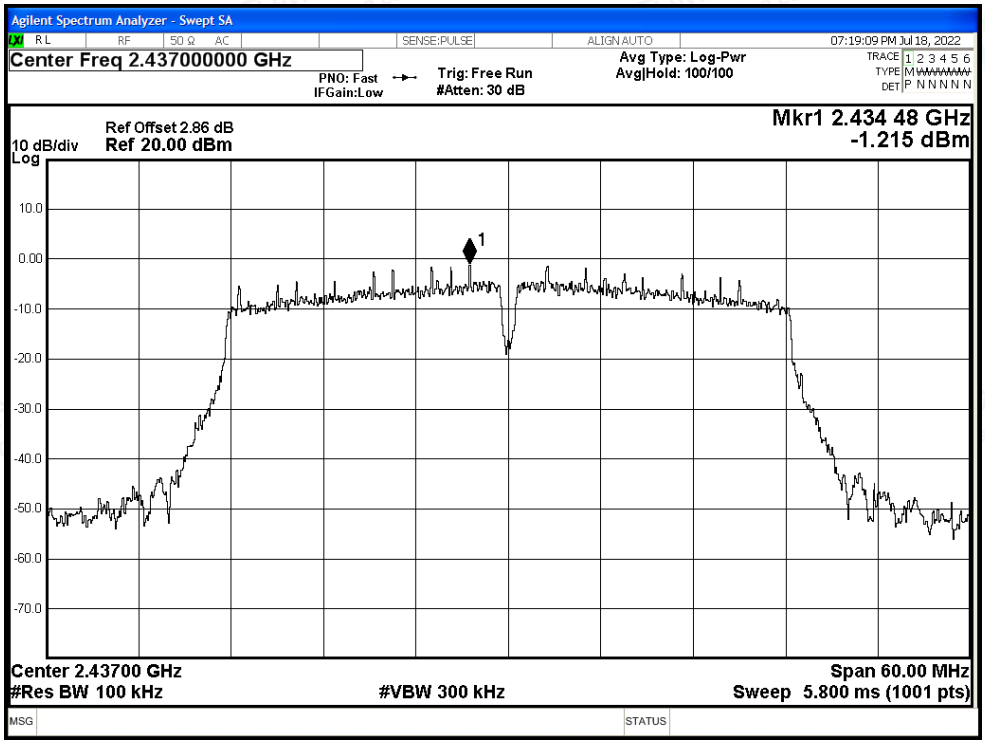

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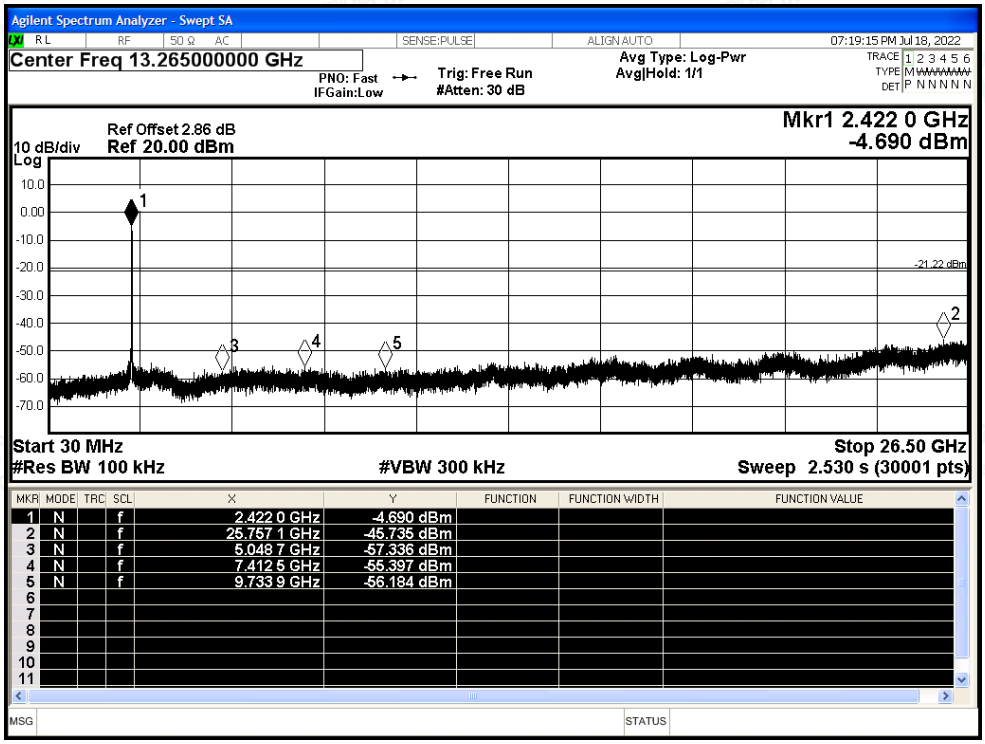

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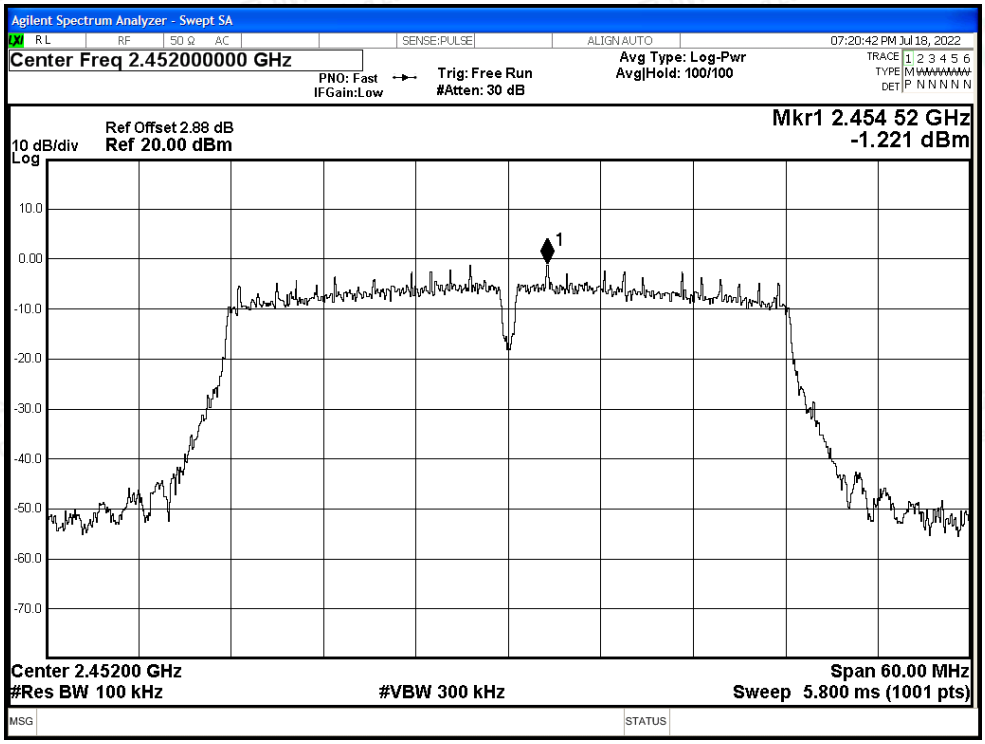
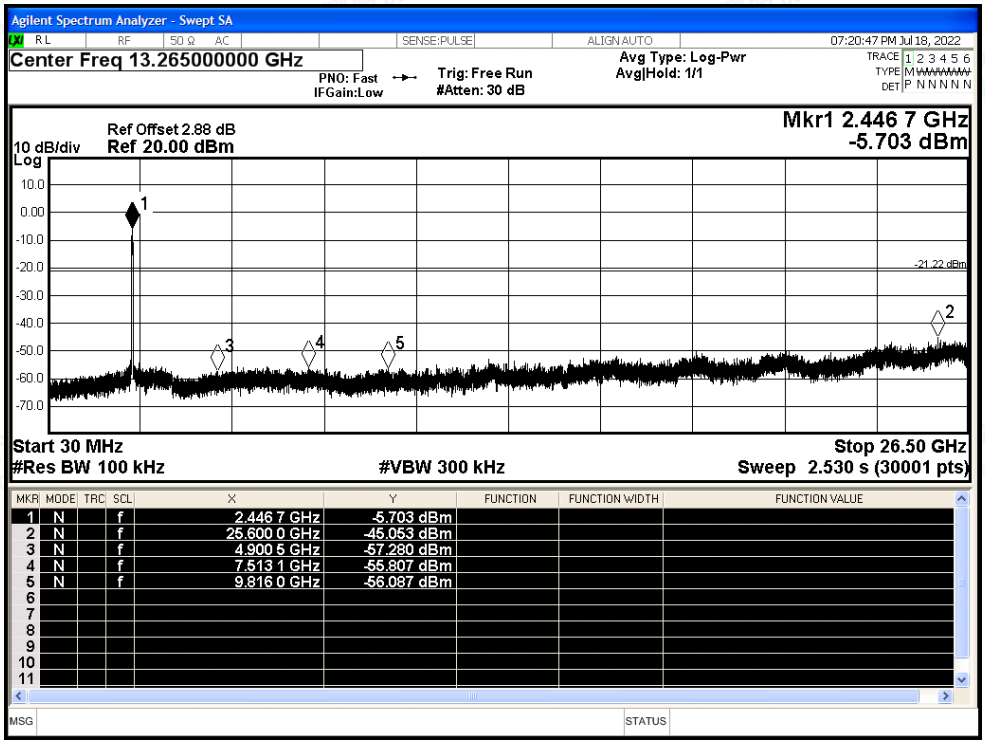
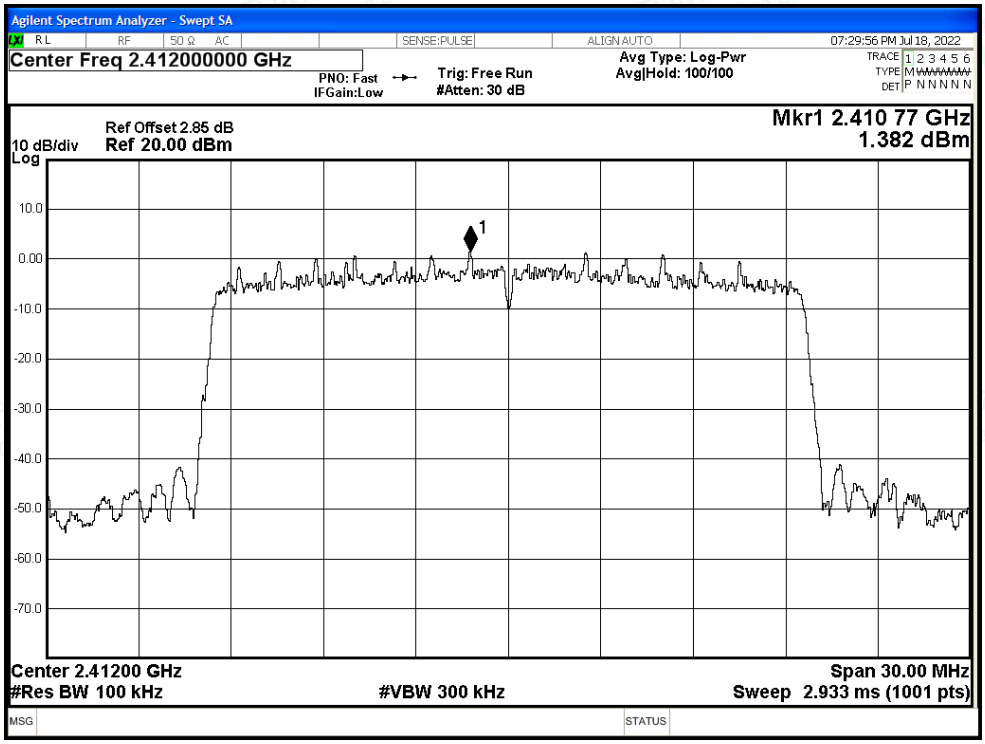


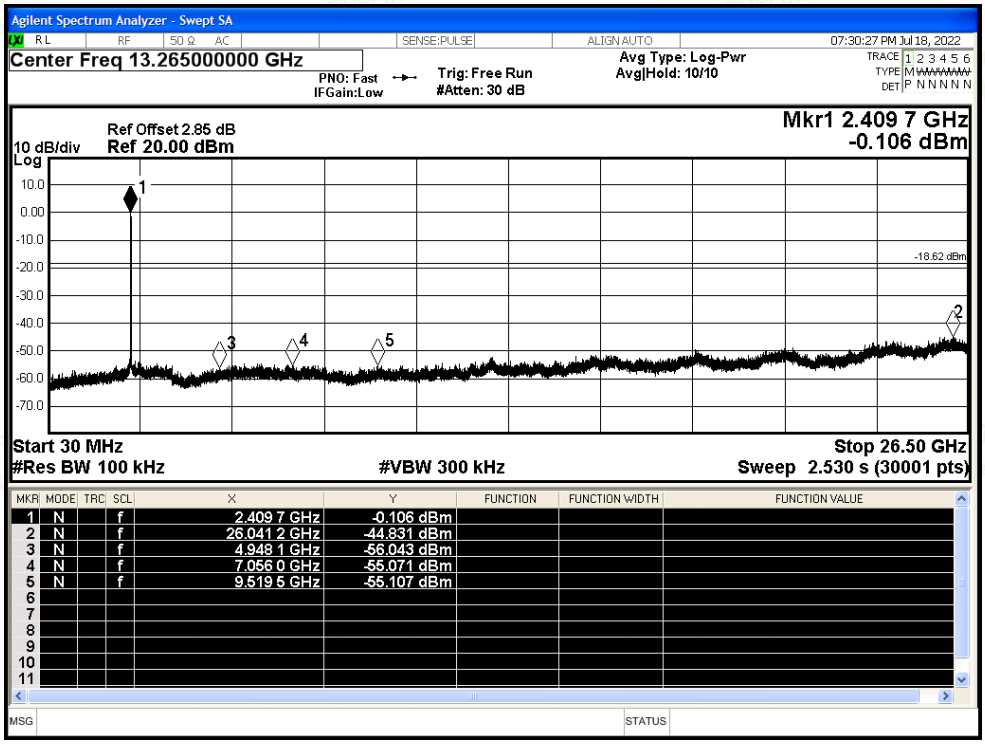
Tx. Spurious NVNT n40 2452MHz Ant0 Emission



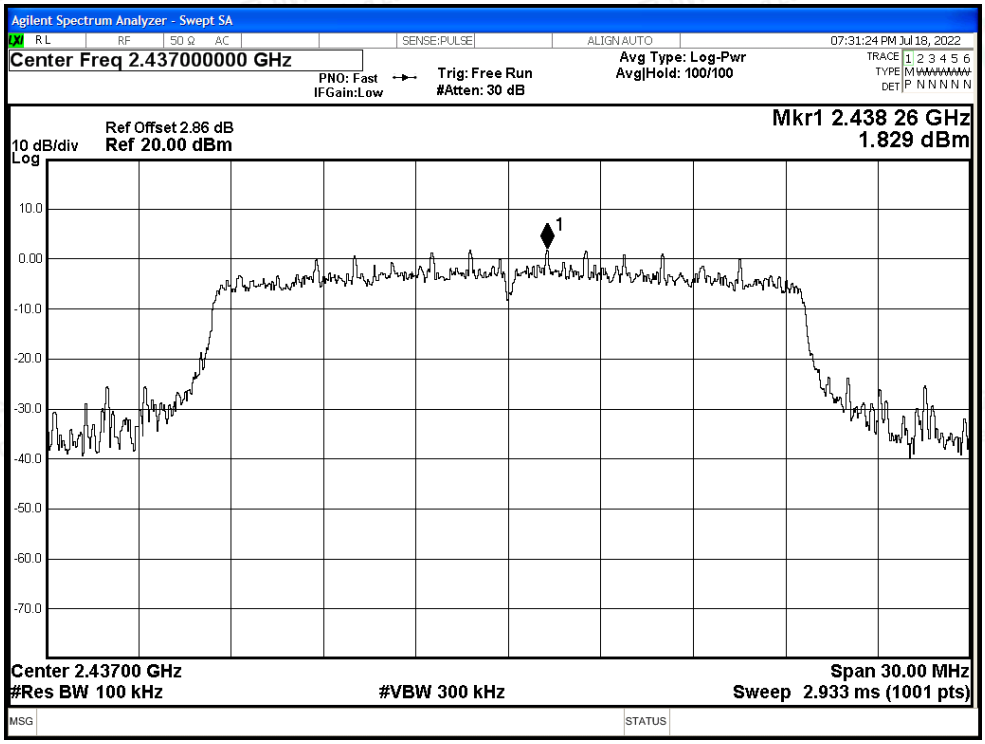
Tx. Spurious NVNT ax20 2412MHz Ant0 Ref



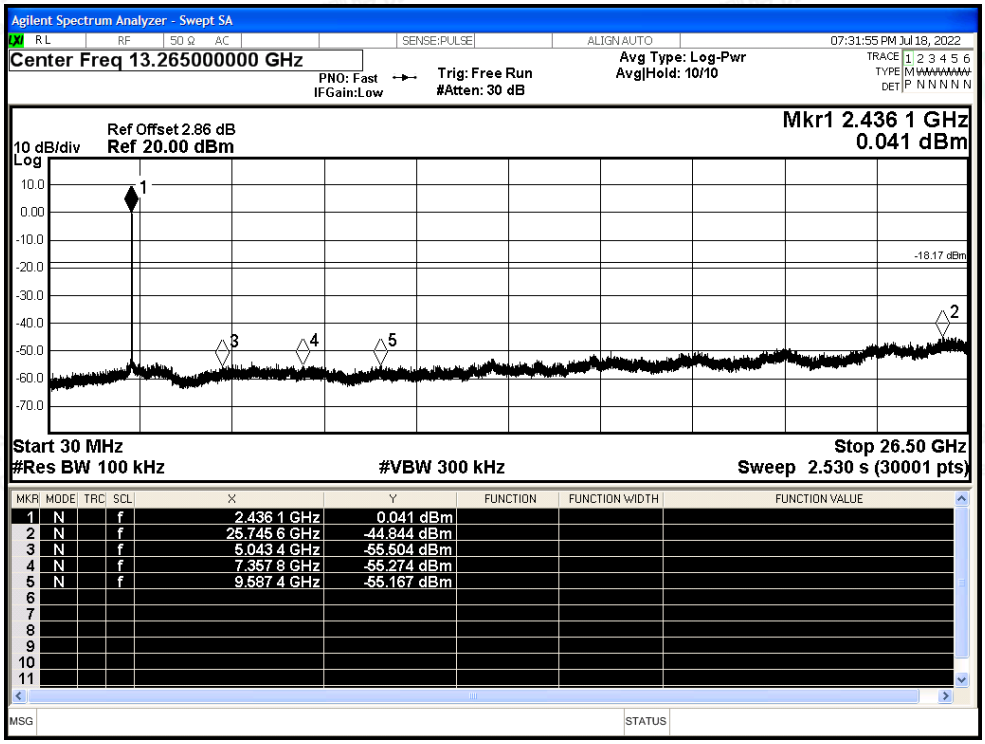
Tx. Spurious NVNT ax20 2412MHz Ant0 Emission



Tx. Spurious NVNT ax20 2437MHz Ant0 Ref



Tx. Spurious NVNT ax20 2437MHz Ant0 Emission



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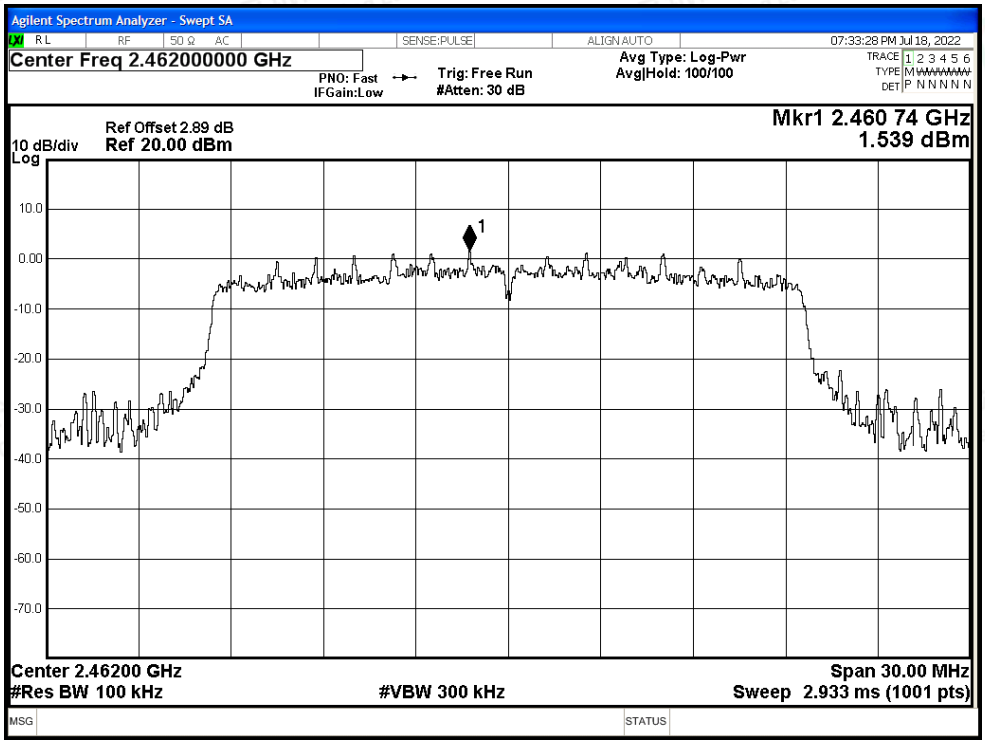

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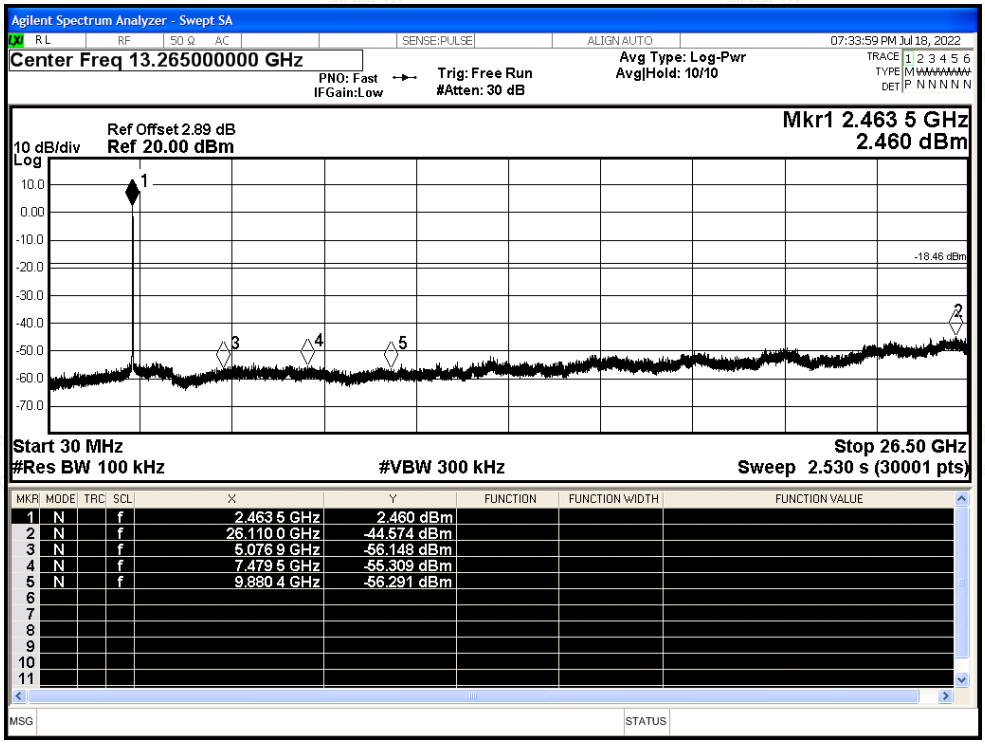

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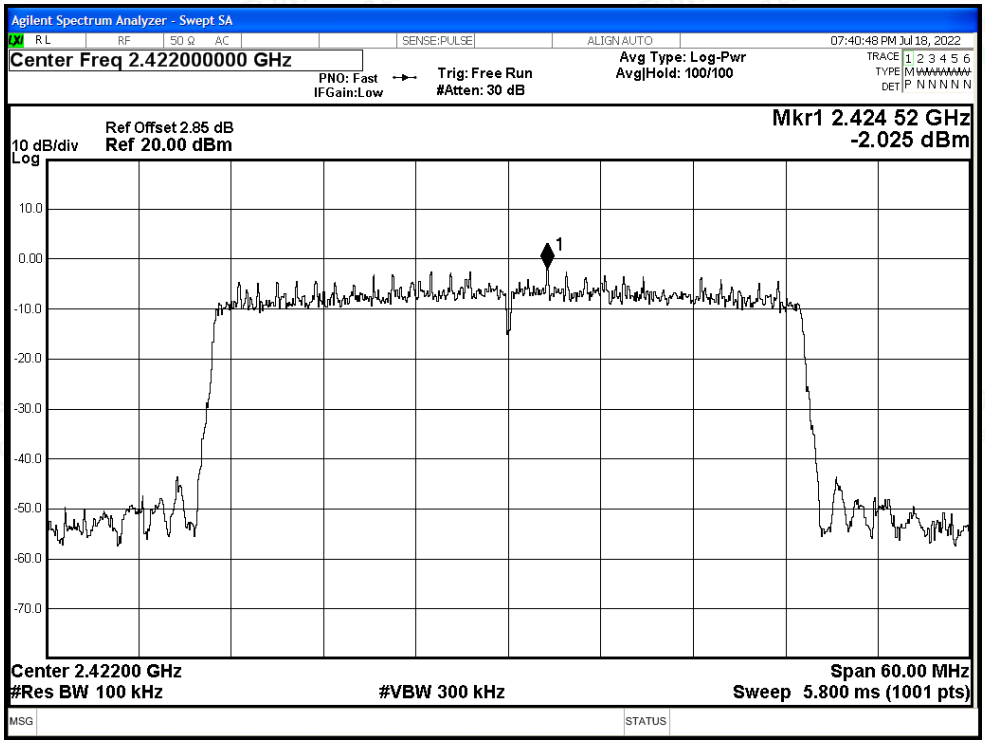

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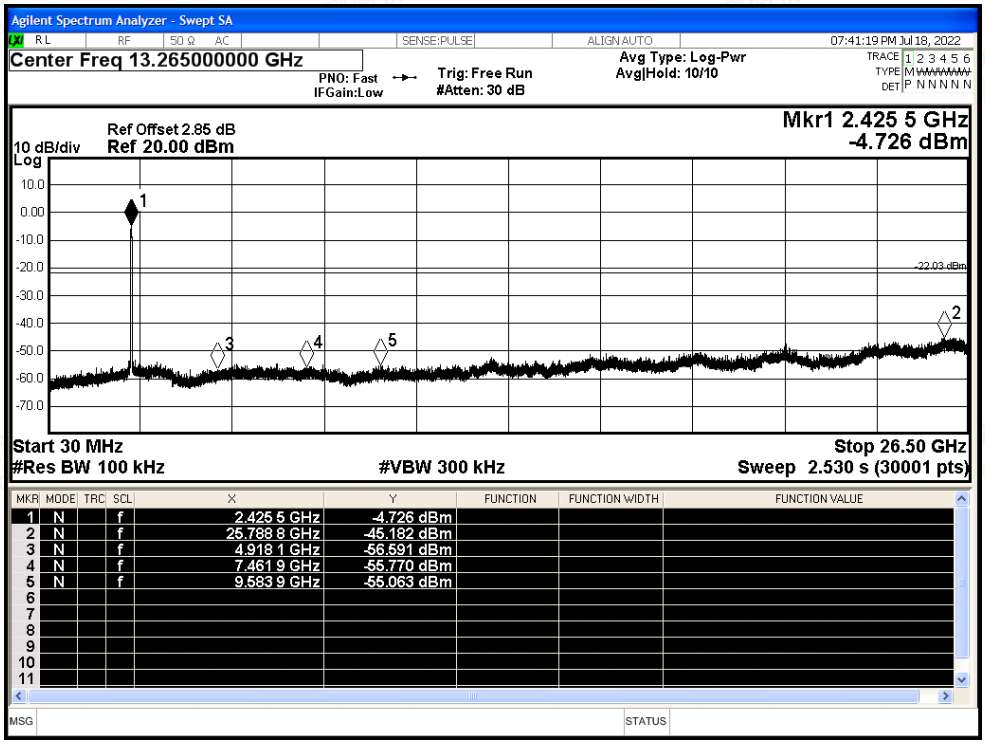

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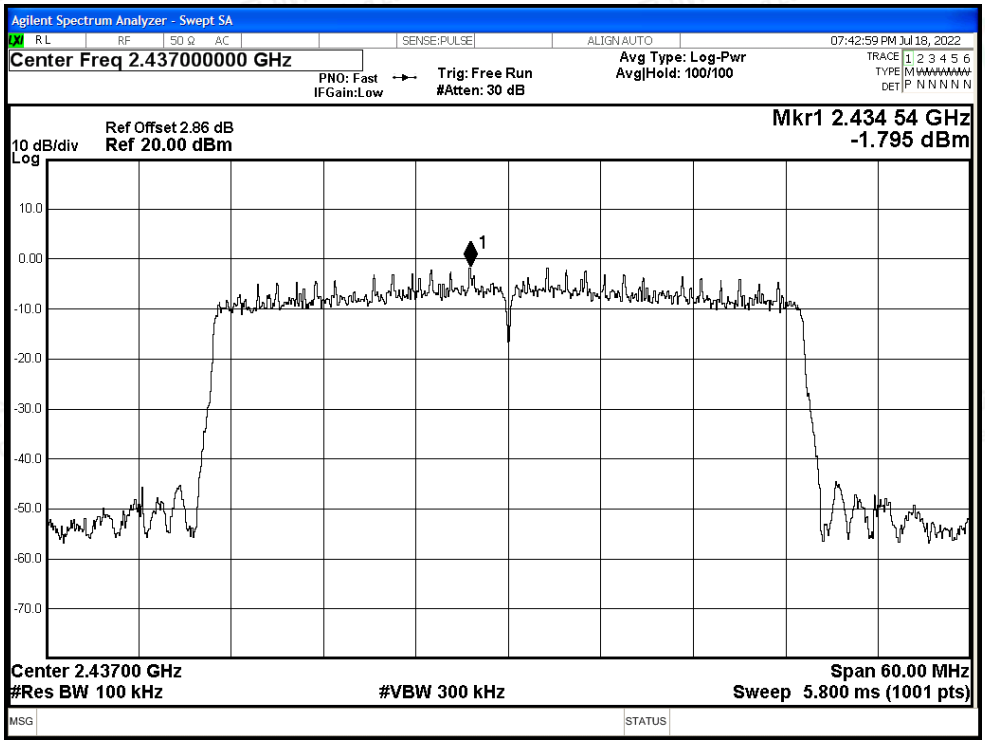

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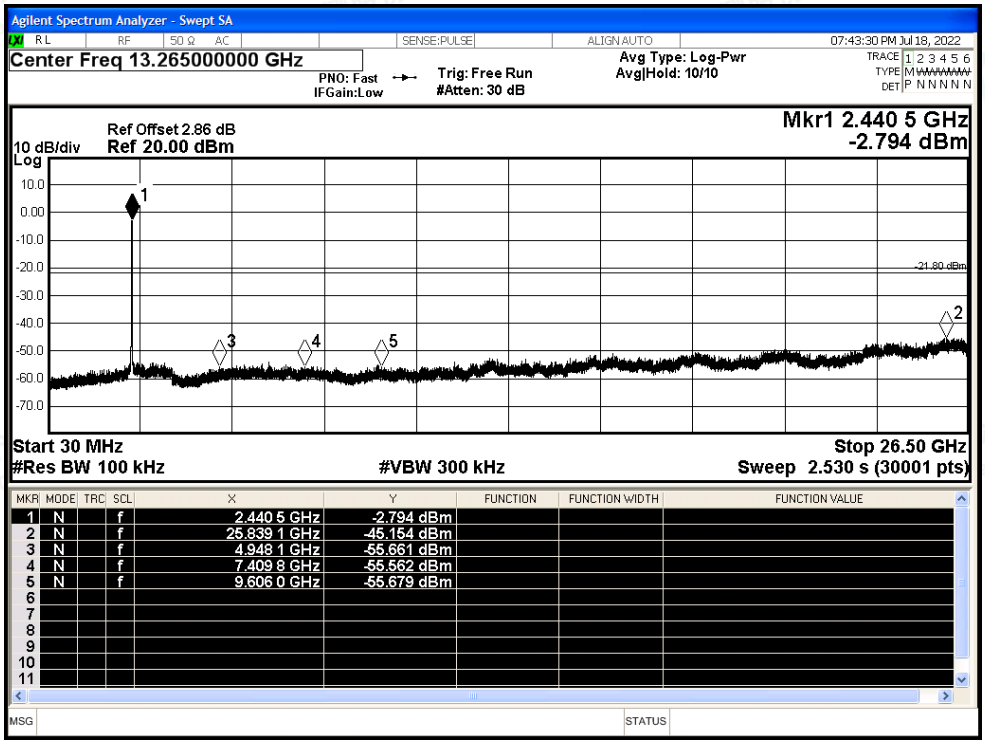

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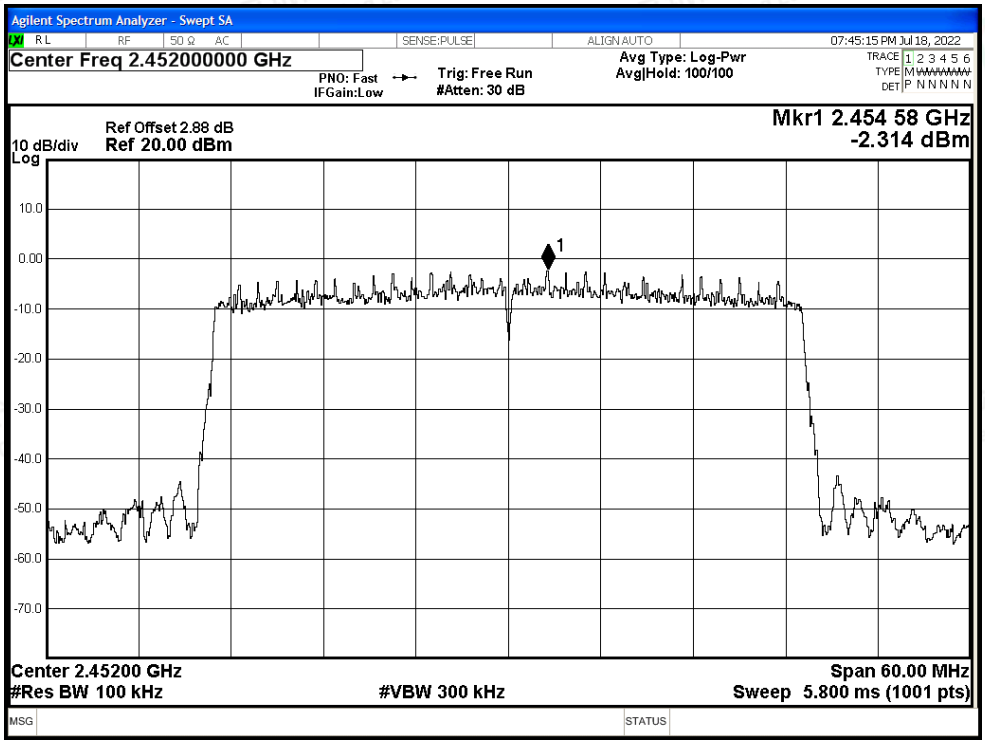

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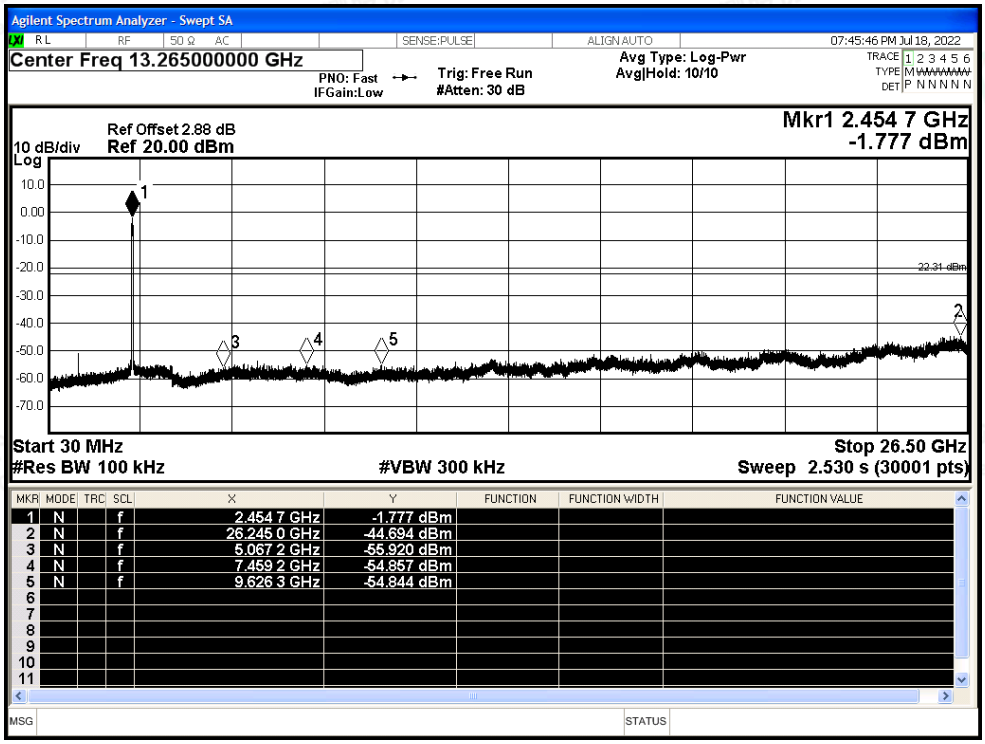
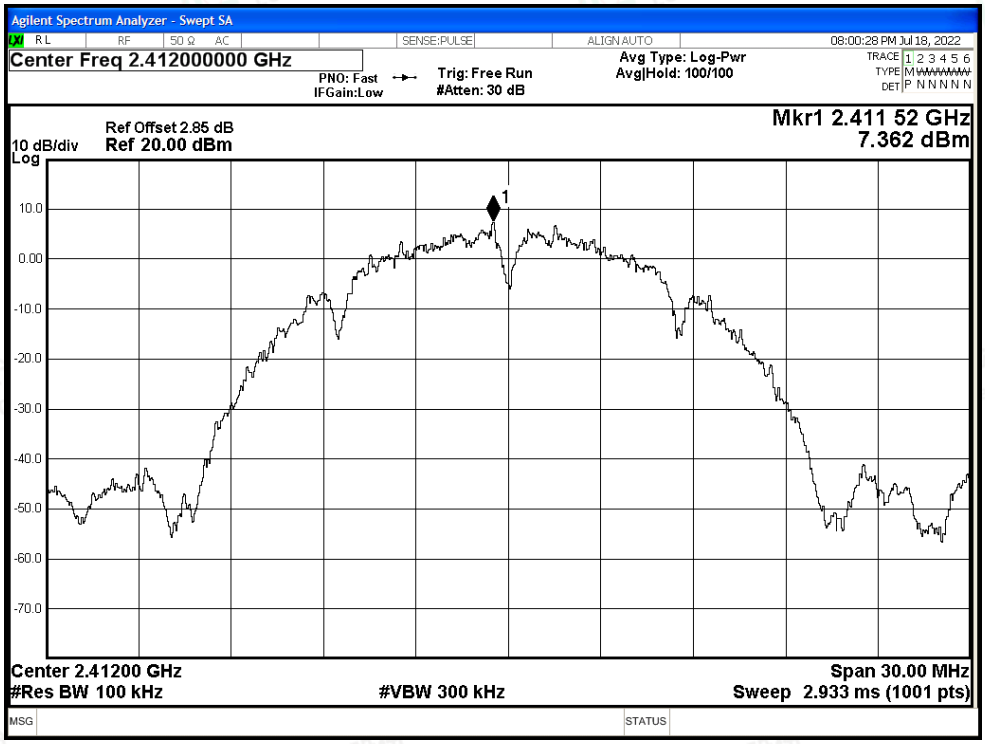


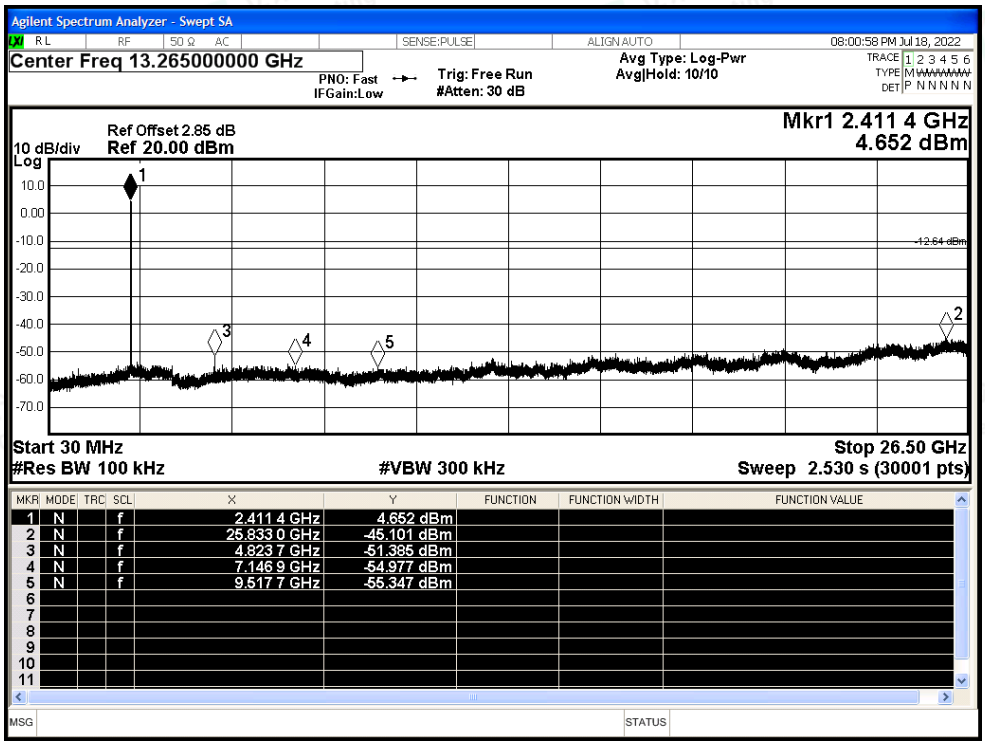
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.46	-20	Pass
NVNT	b	2437	Ant1	-52.57	-20	Pass
NVNT	b	2462	Ant1	-52.44	-20	Pass
NVNT	g	2412	Ant1	-45.62	-20	Pass
NVNT	g	2437	Ant1	-44.45	-20	Pass
NVNT	g	2462	Ant1	-47.85	-20	Pass
NVNT	n20	2412	Ant1	-46.51	-20	Pass
NVNT	n20	2437	Ant1	-48.71	-20	Pass
NVNT	n20	2462	Ant1	-47.3	-20	Pass
NVNT	n40	2422	Ant1	-44.11	-20	Pass
NVNT	n40	2437	Ant1	-44.44	-20	Pass
NVNT	n40	2452	Ant1	-43.87	-20	Pass
NVNT	ax20	2412	Ant1	-44.57	-20	Pass
NVNT	ax20	2437	Ant1	-44.94	-20	Pass
NVNT	ax20	2462	Ant1	-43.11	-20	Pass
NVNT	ax40	2422	Ant1	-43.1	-20	Pass
NVNT	ax40	2437	Ant1	-43.11	-20	Pass
NVNT	ax40	2452	Ant1	-43.15	-20	Pass

Test Graphs

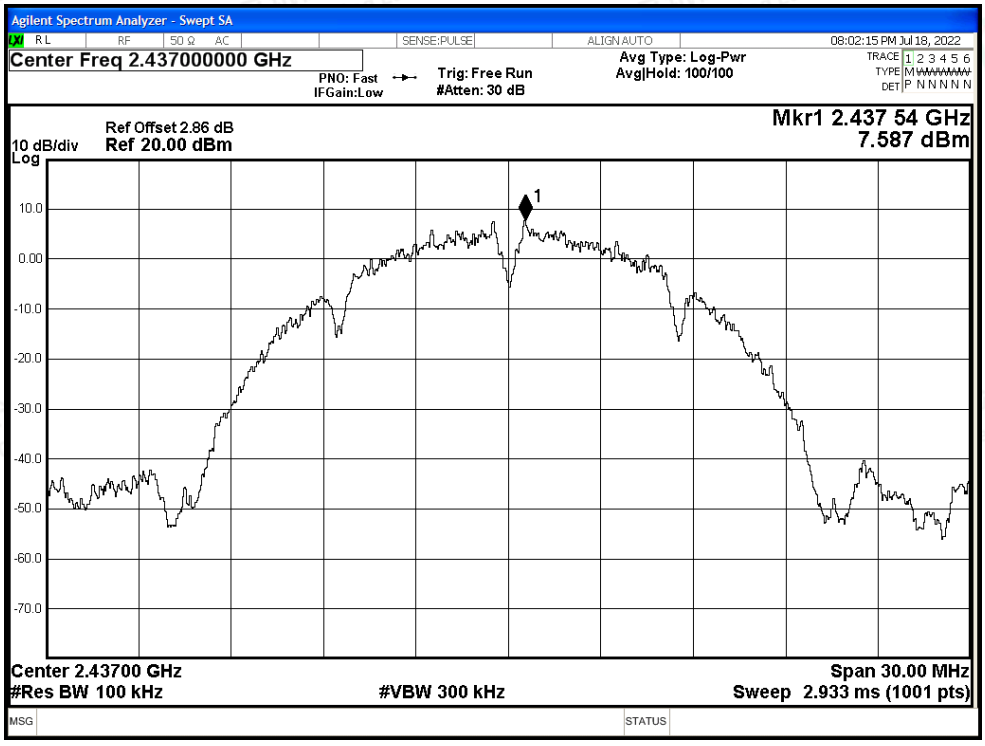
Tx. Spurious NVNT b 2412MHz Ant1 Ref



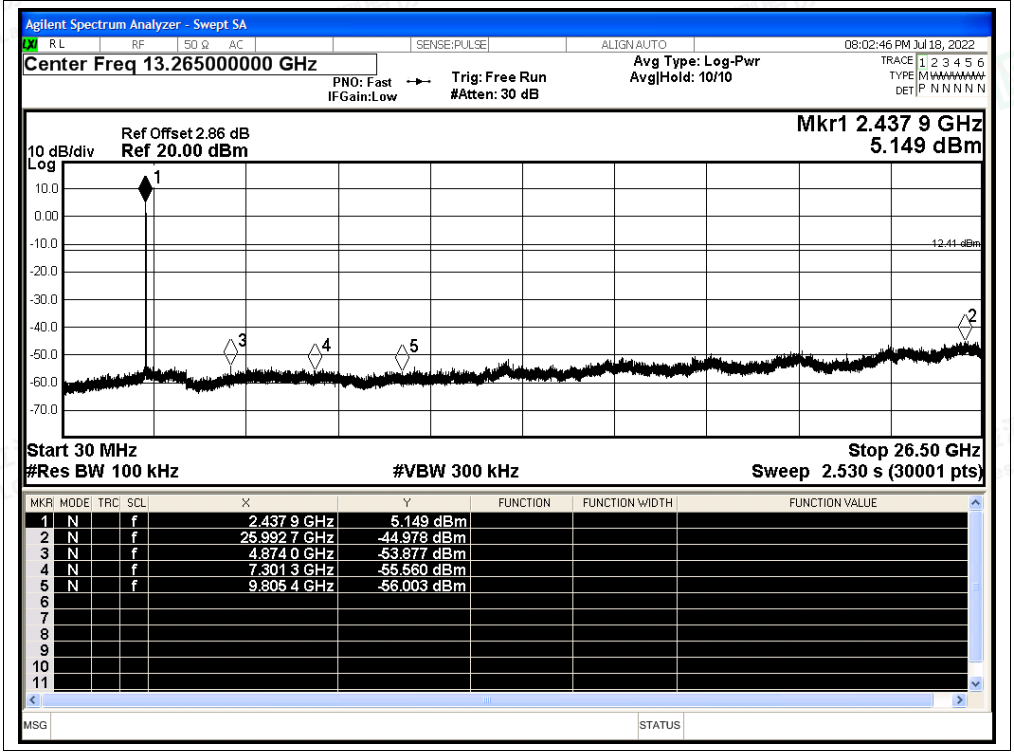
Tx. Spurious NVNT b 2412MHz Ant1 Emission



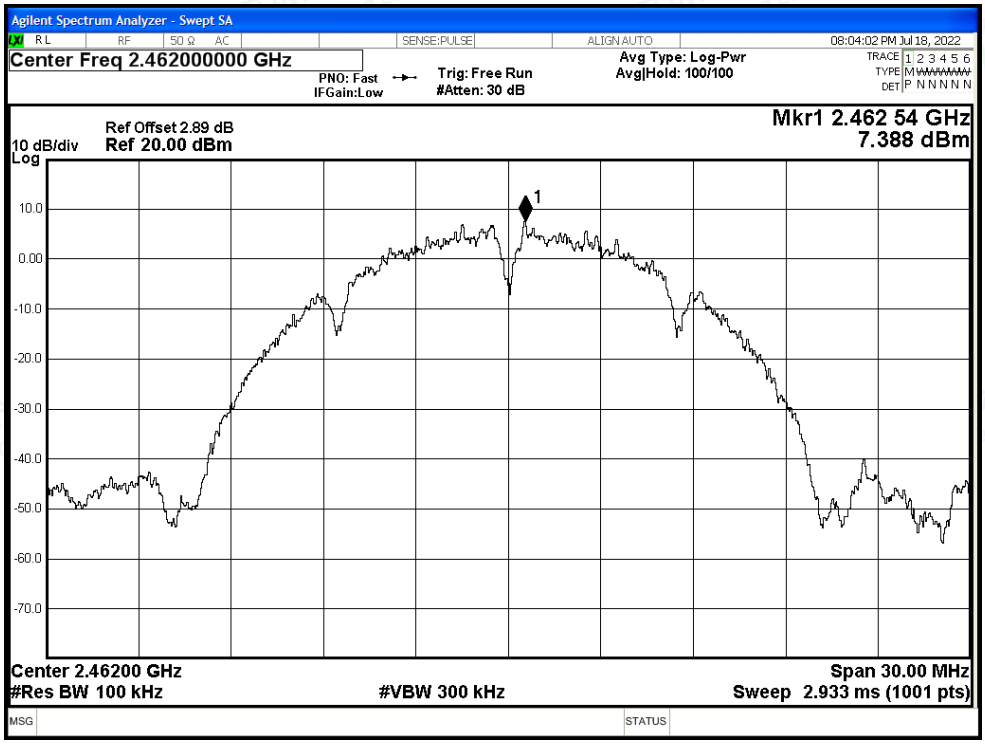
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



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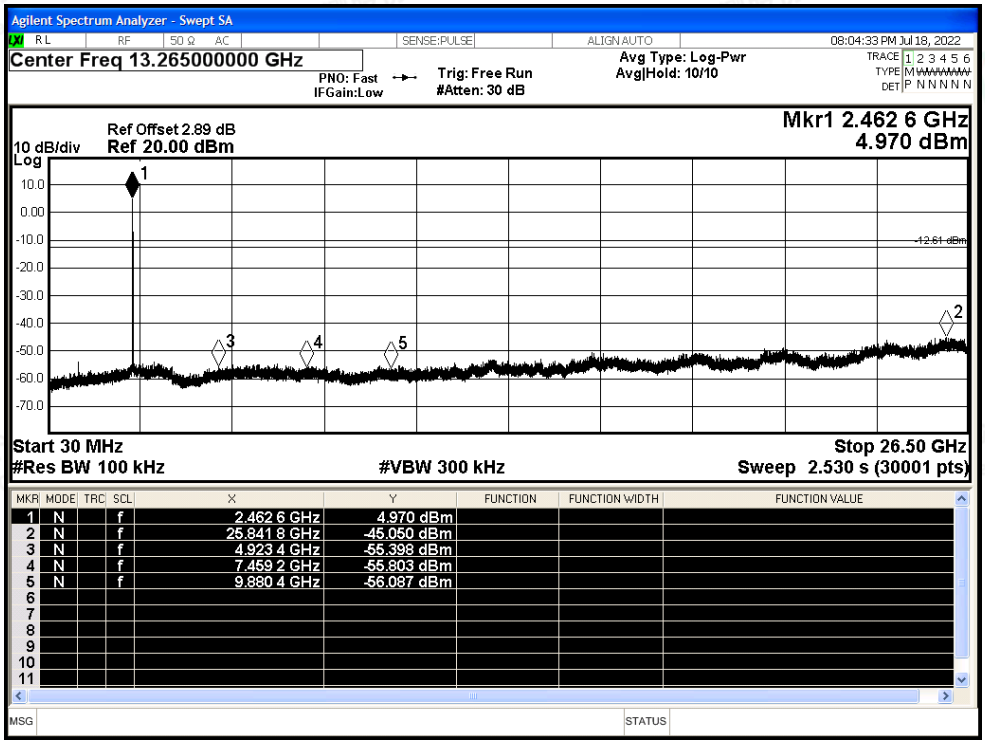
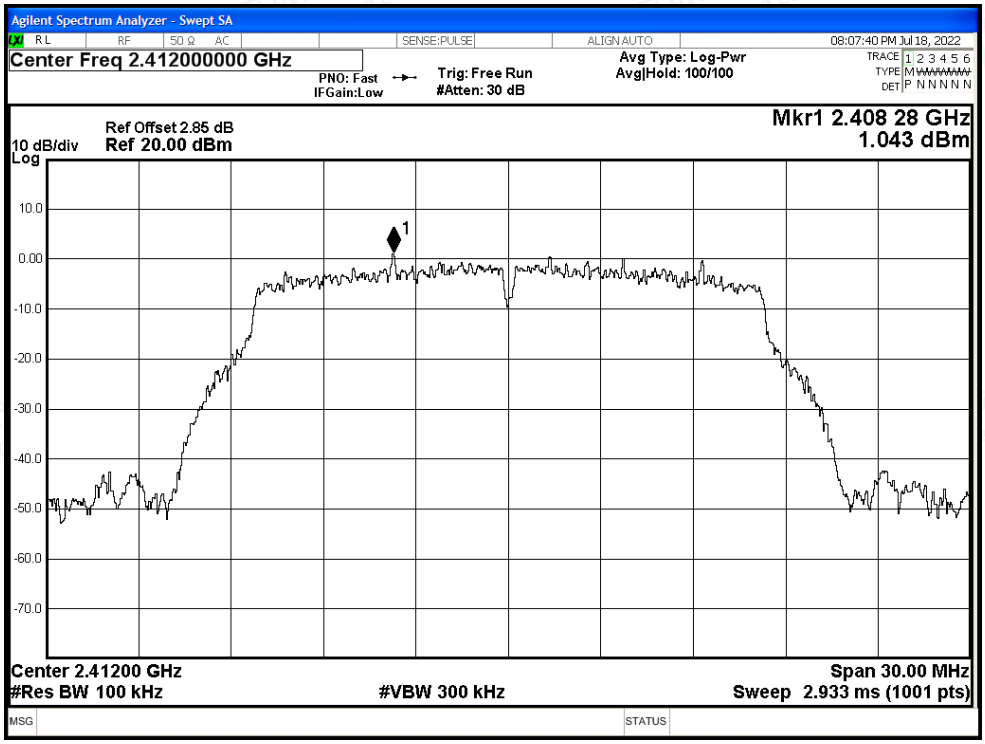


Tx. Spurious NVNT g 2412MHz Ant1 Ref



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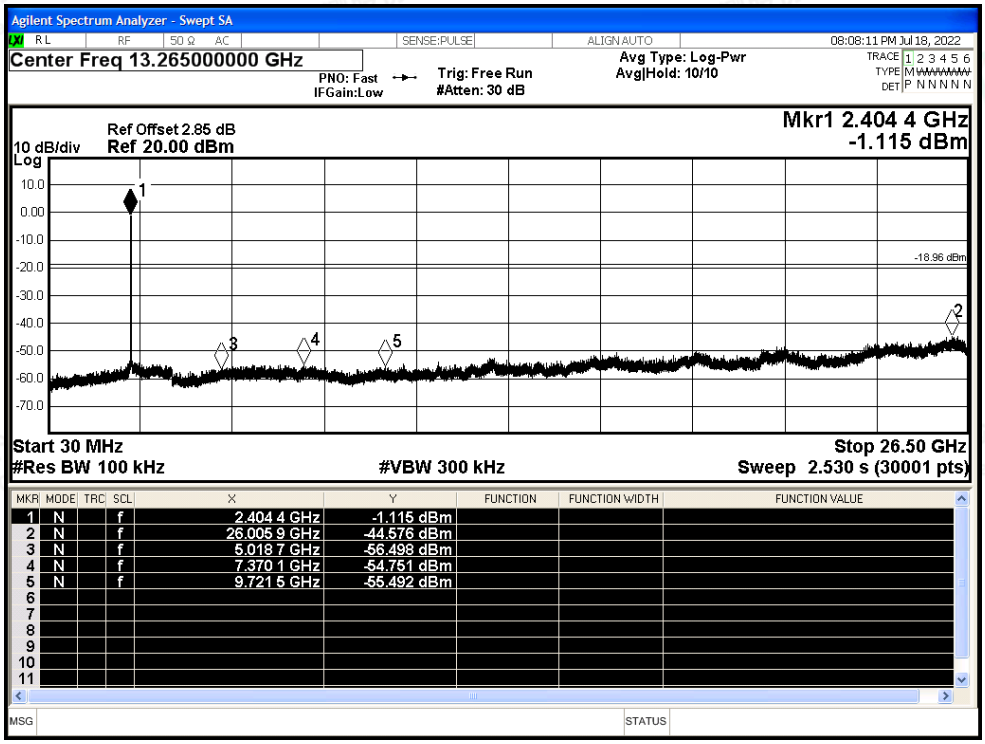

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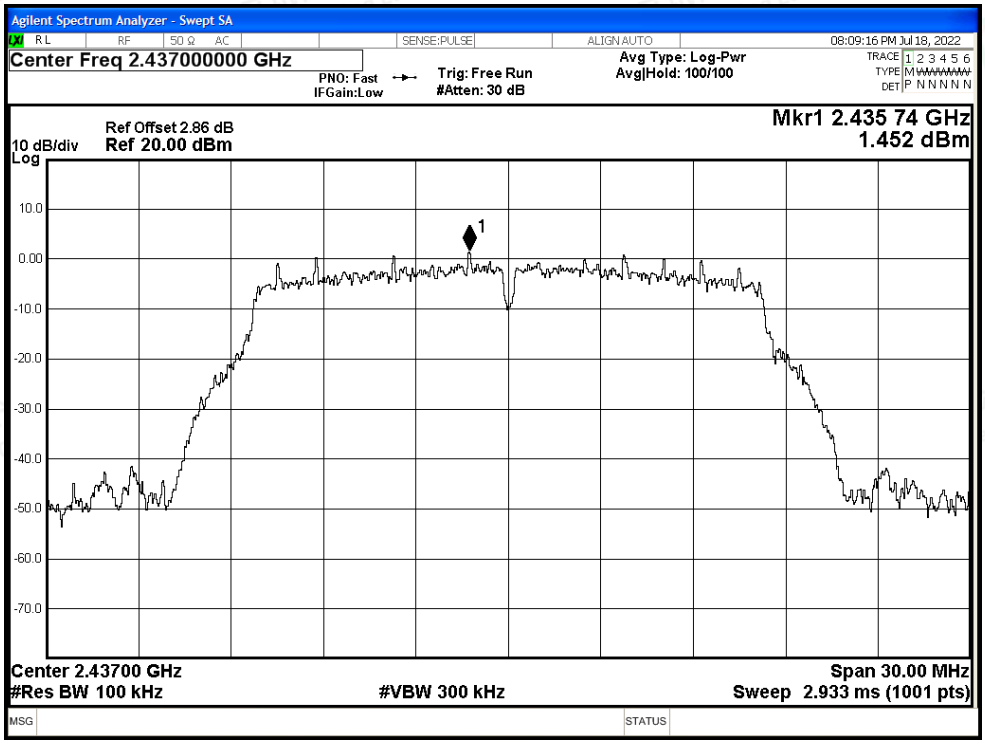
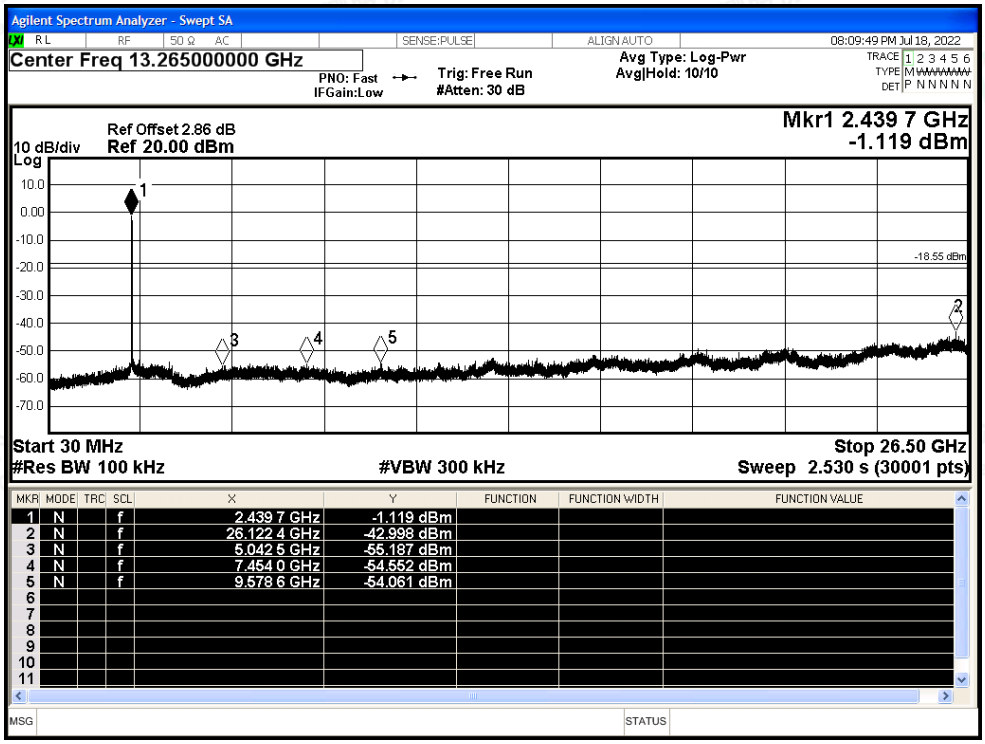
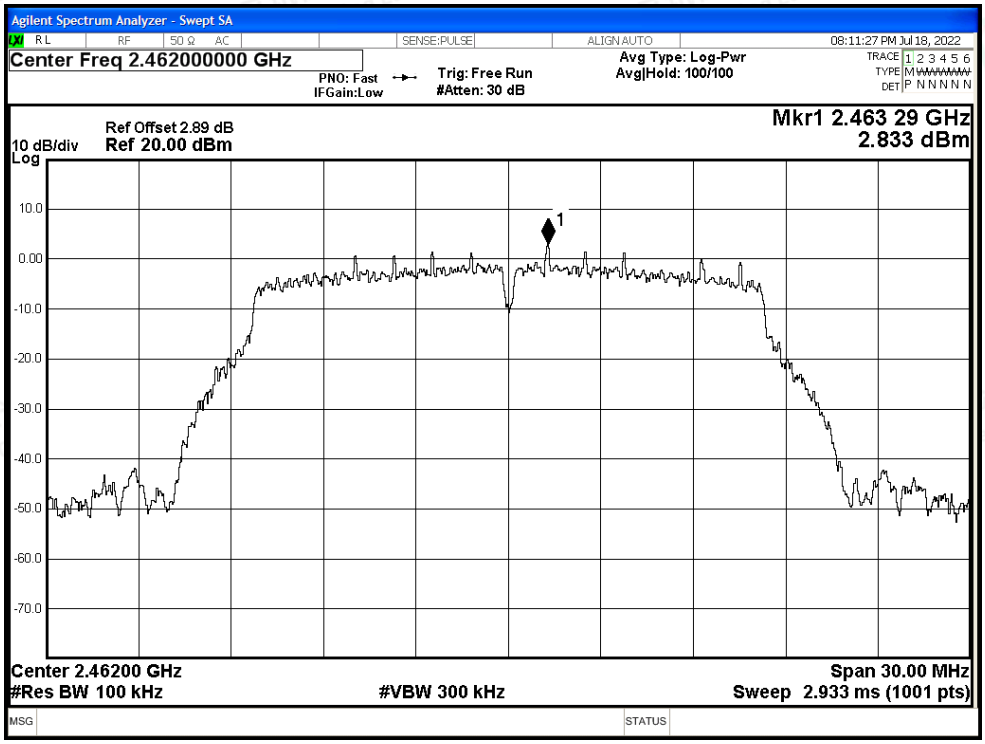


Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



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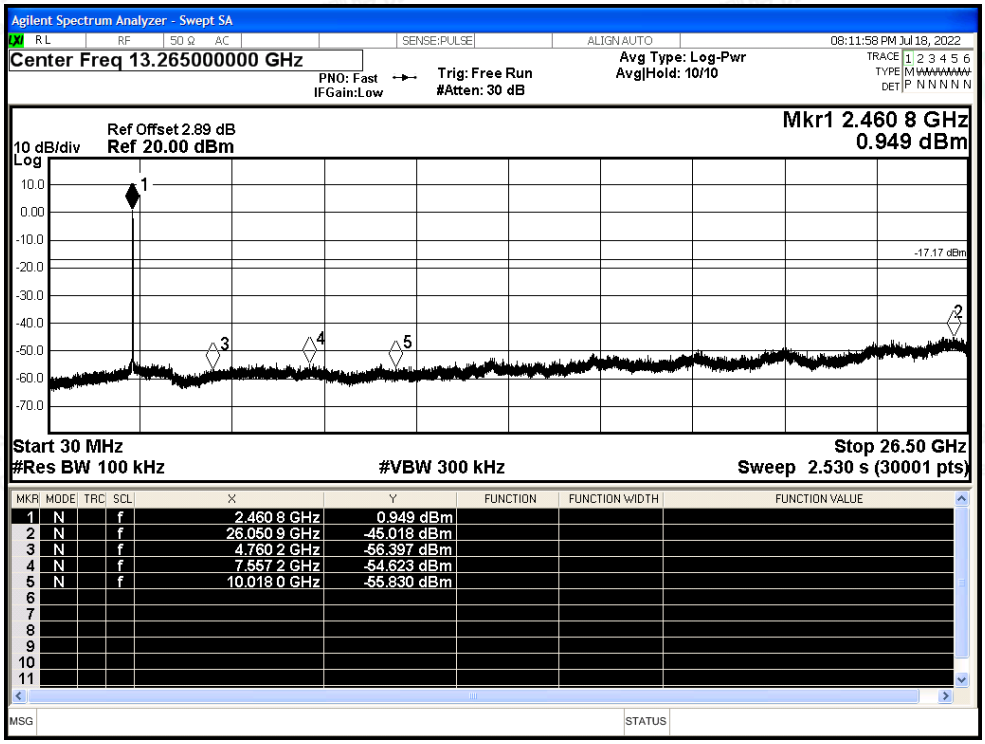
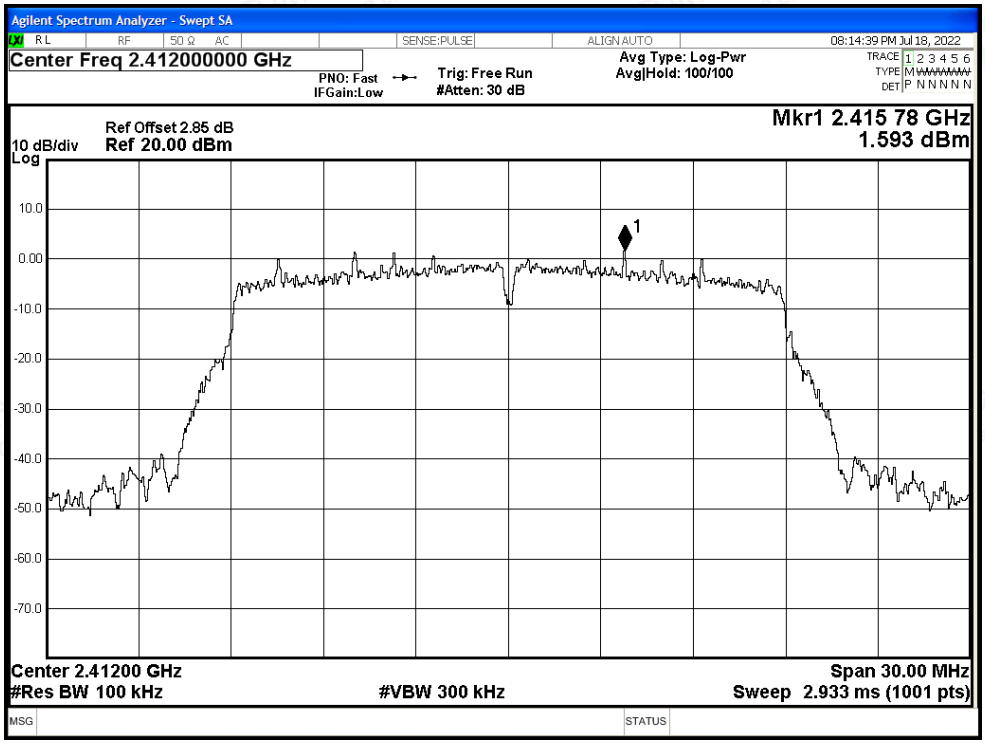


Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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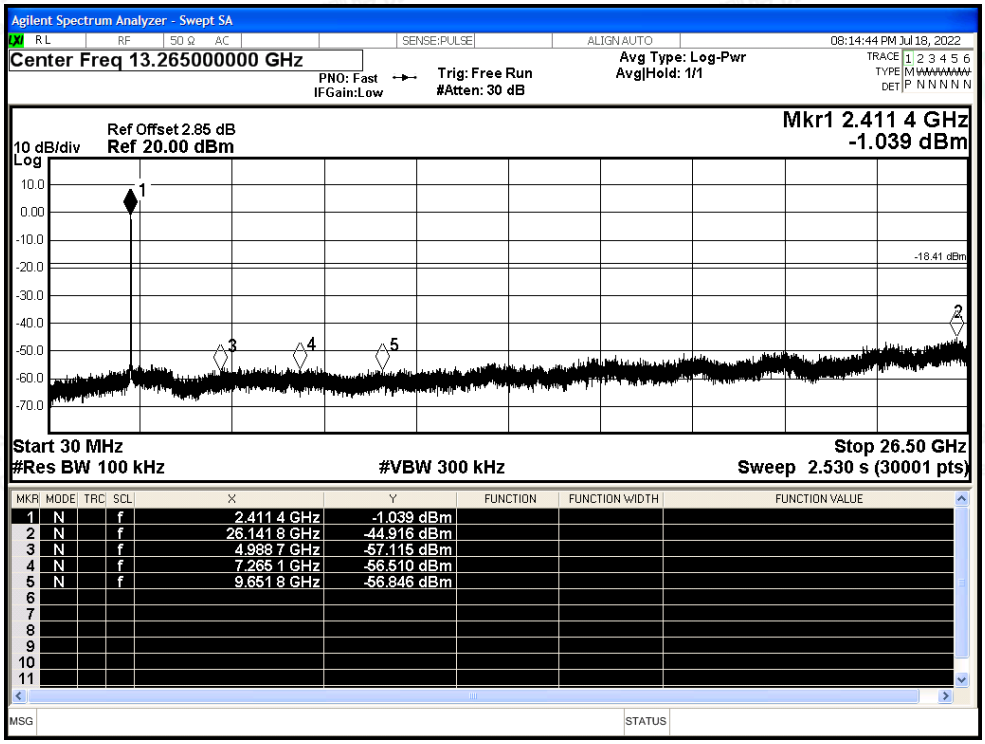

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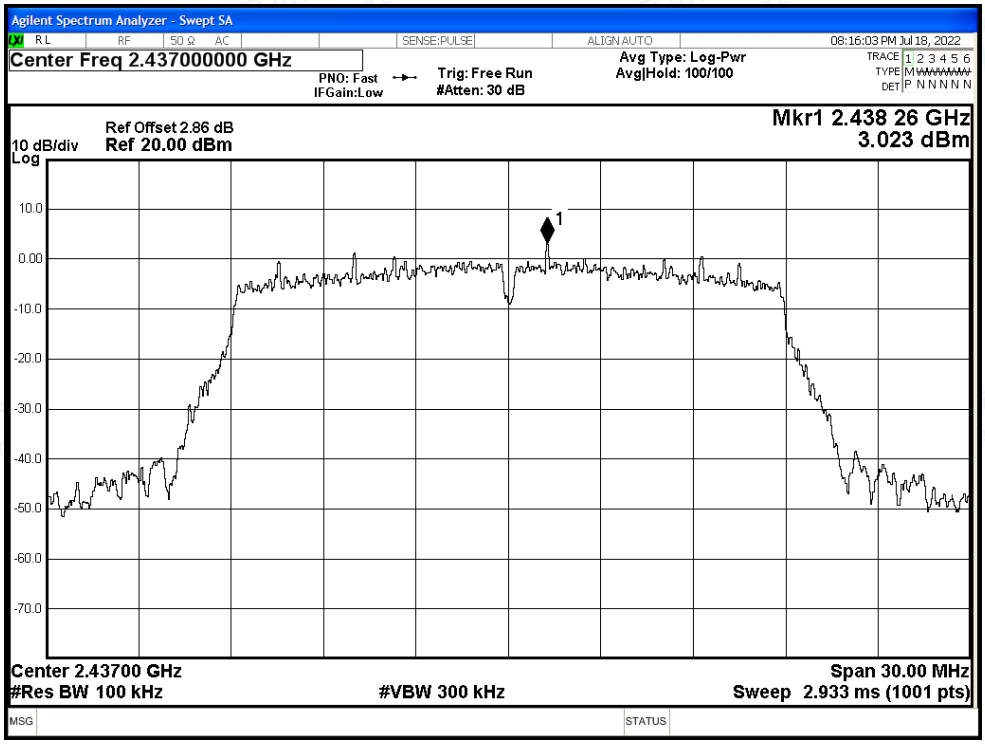

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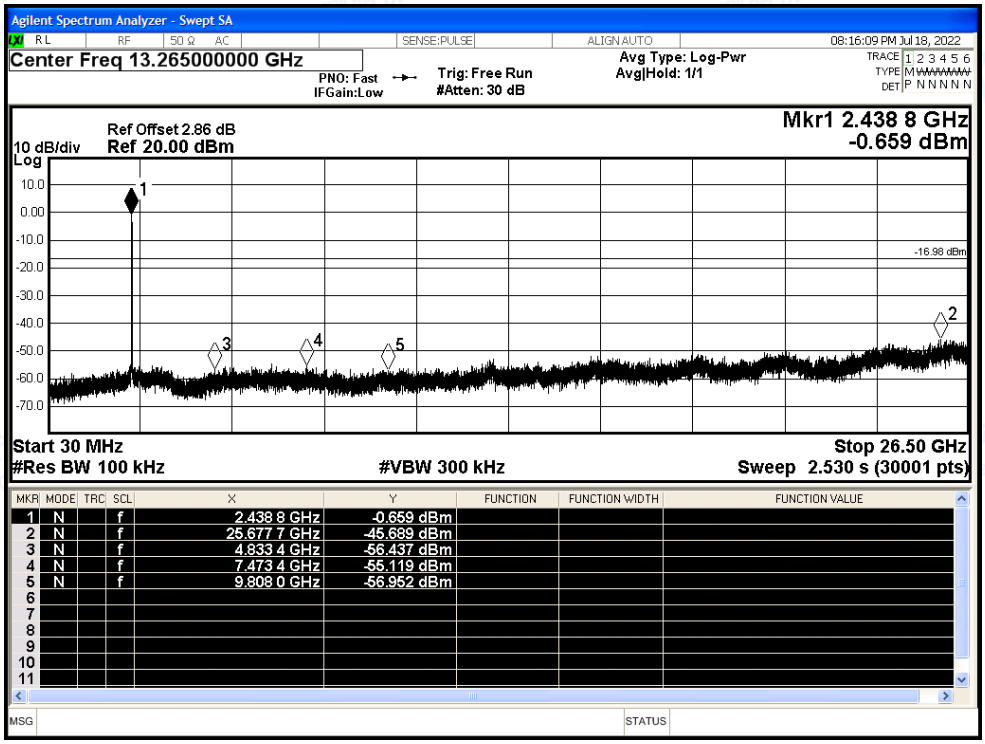
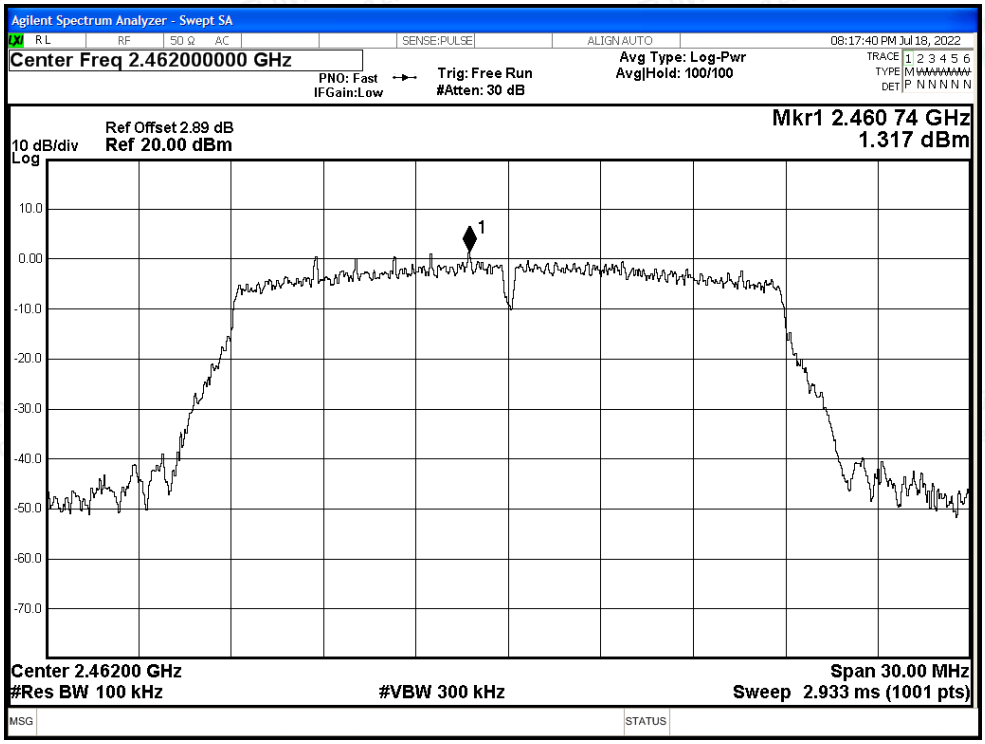


Tx. Spurious NVNT n20 2462MHz Ant1 Ref



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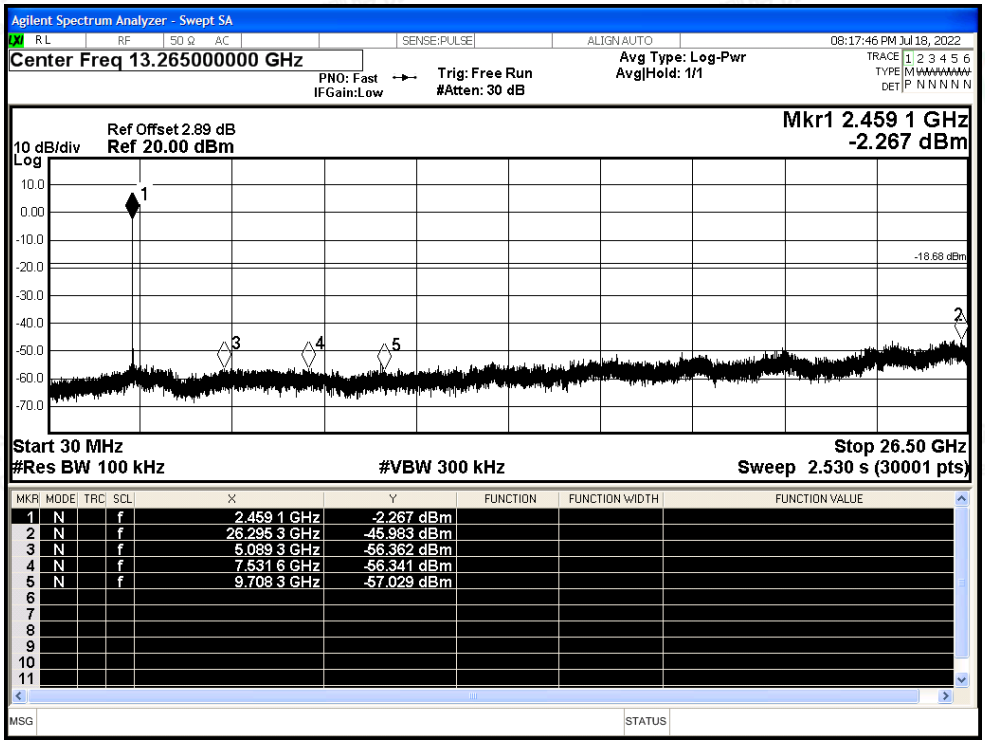

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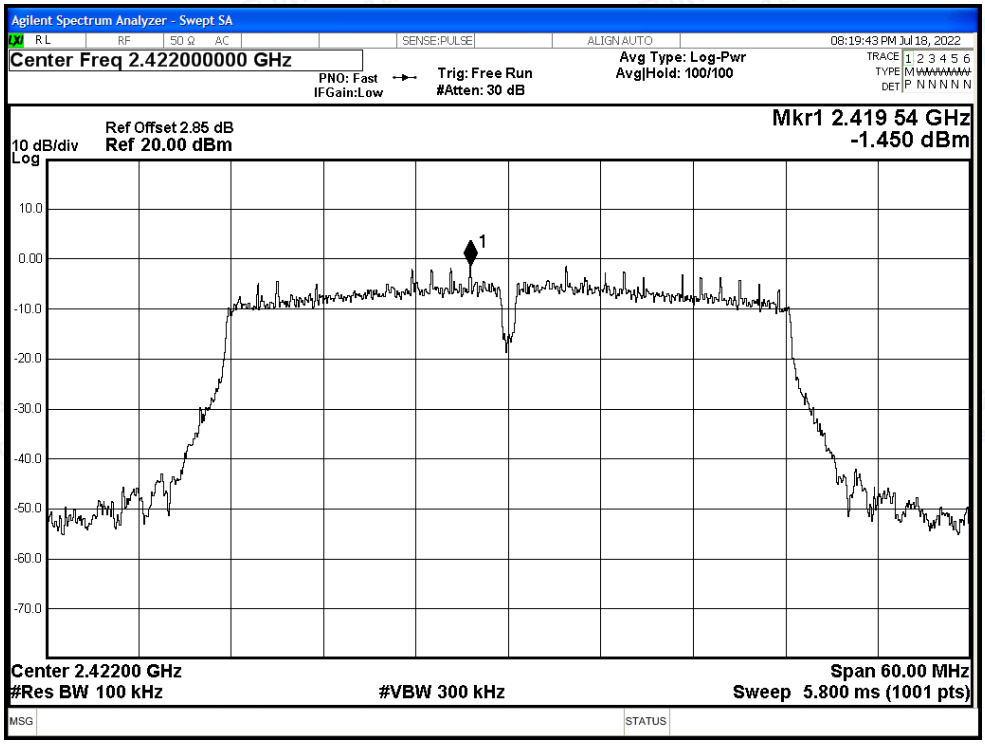
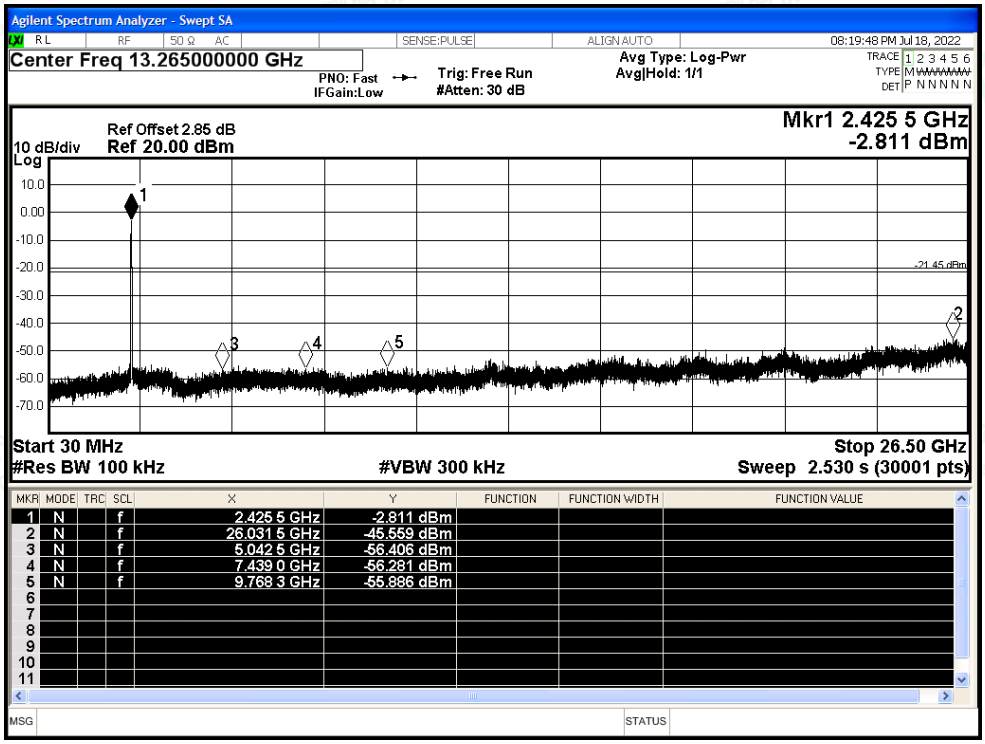


Tx. Spurious NVNT n40 2422MHz Ant1 Emission



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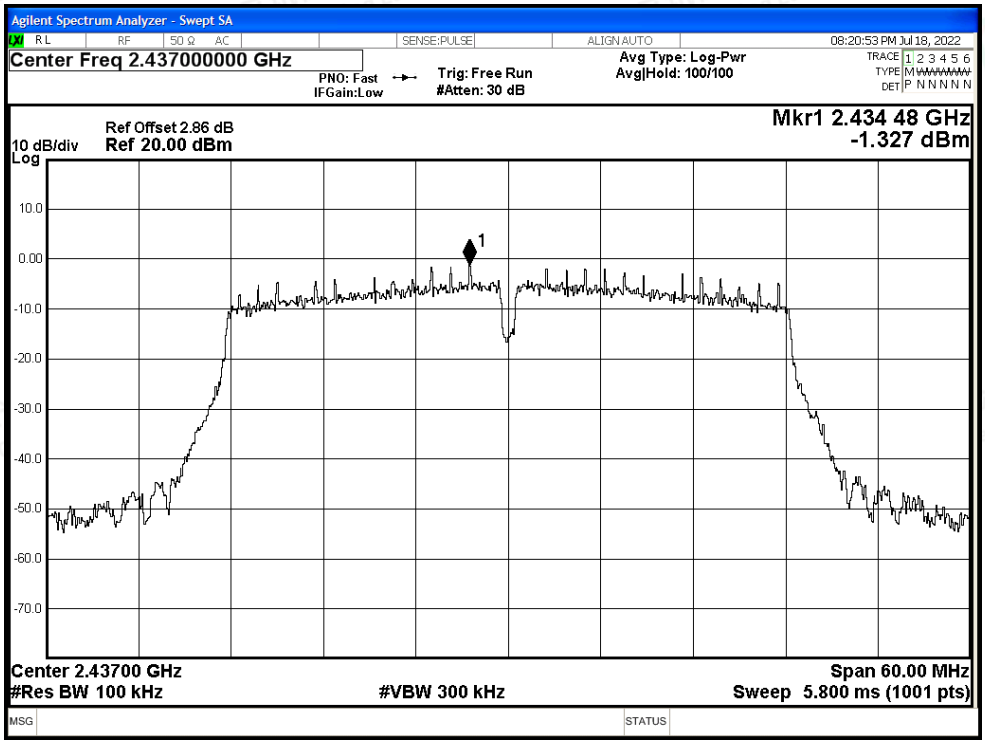

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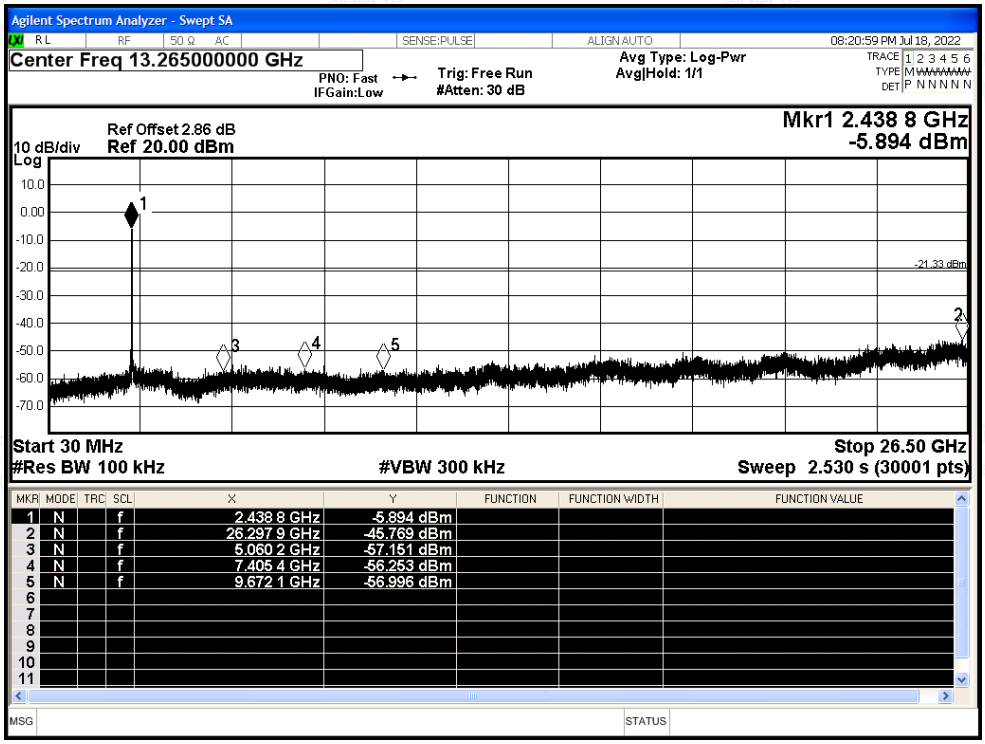

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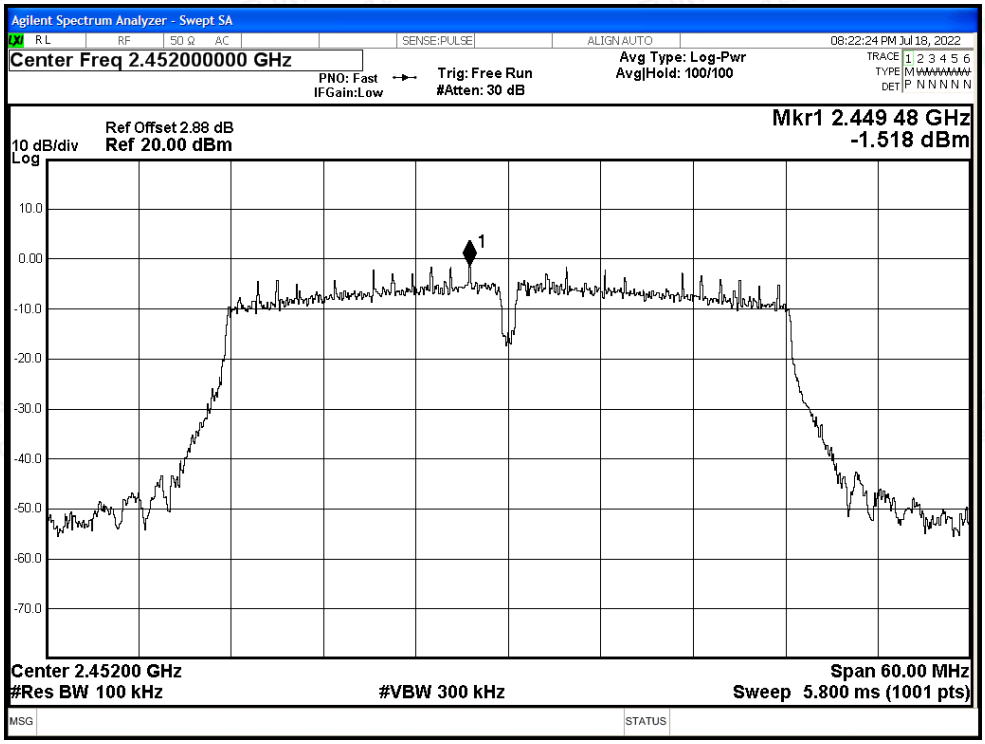

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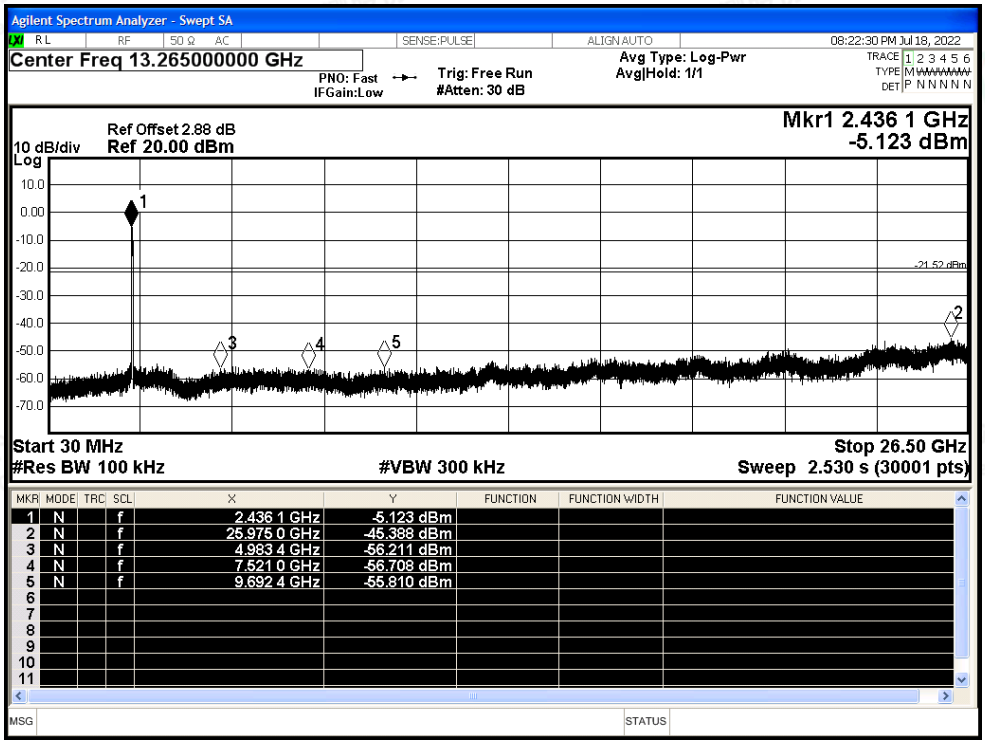
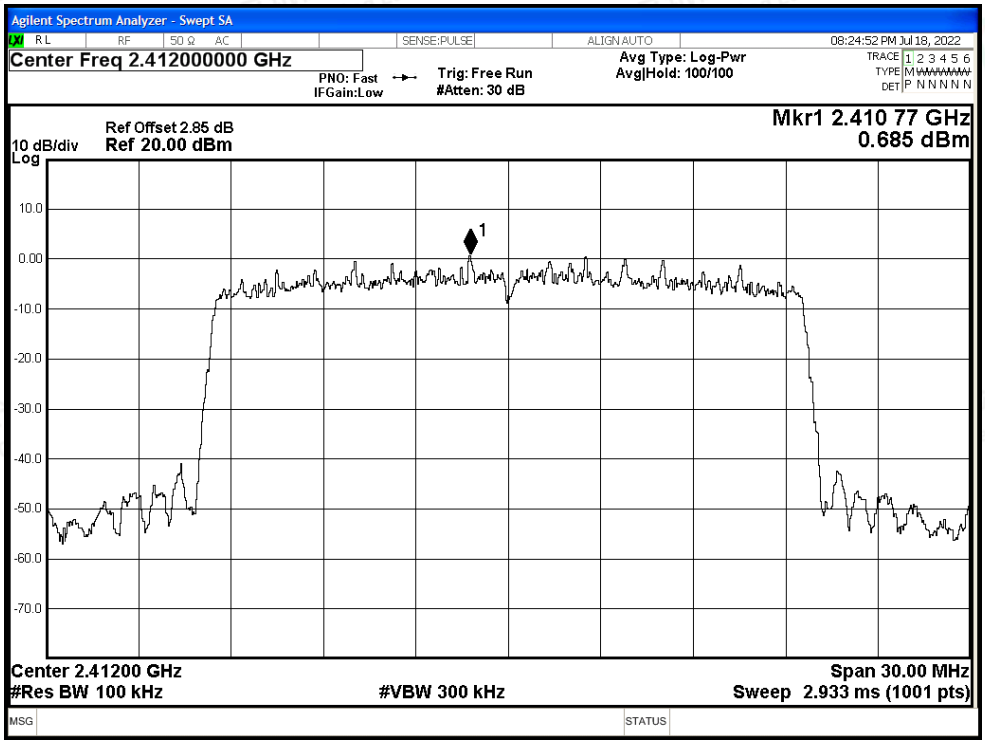


Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



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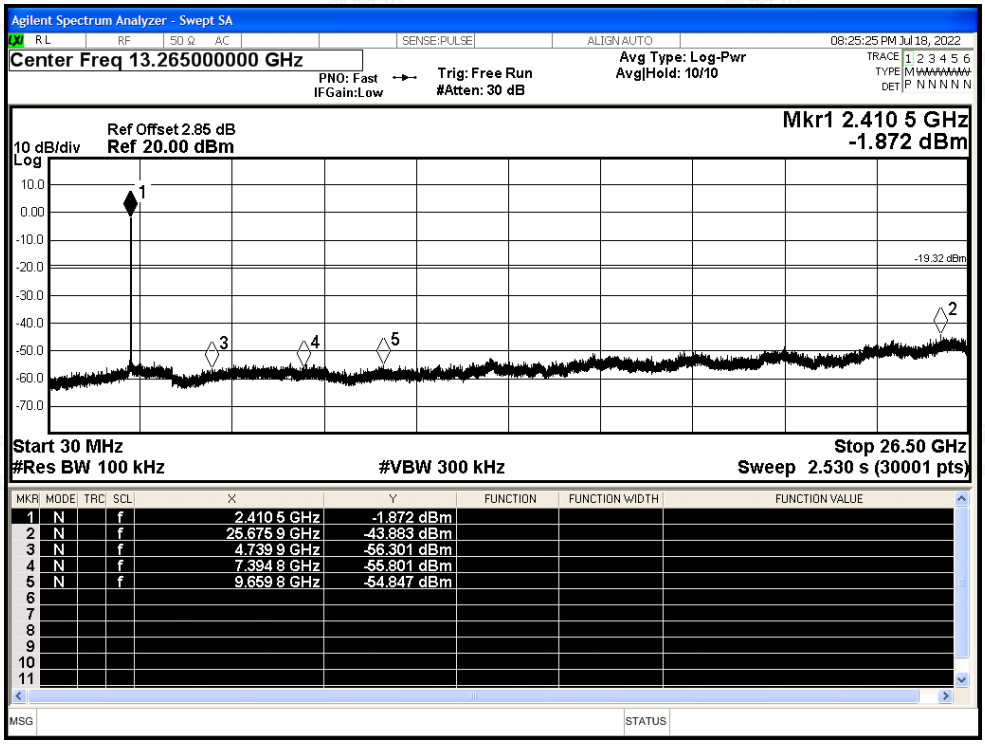

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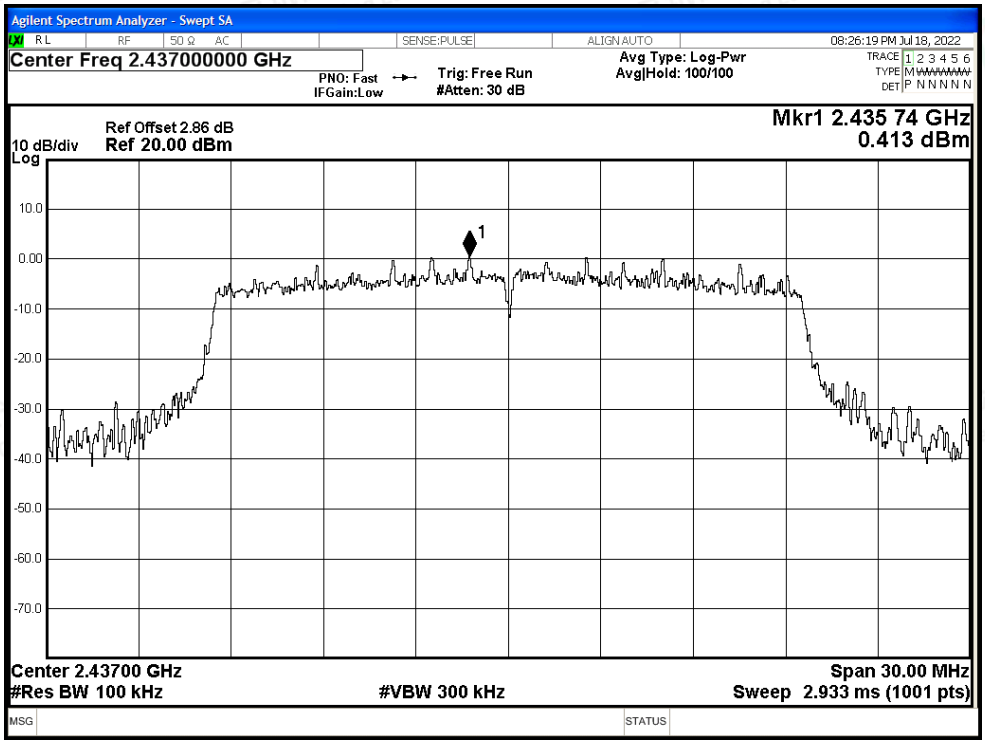
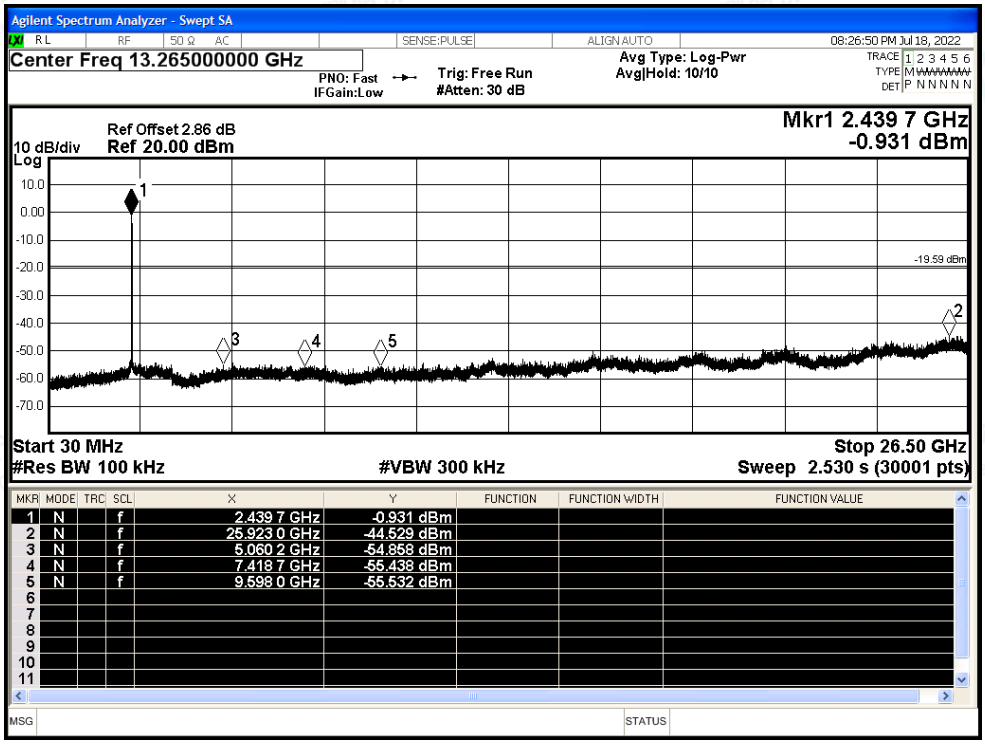


Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



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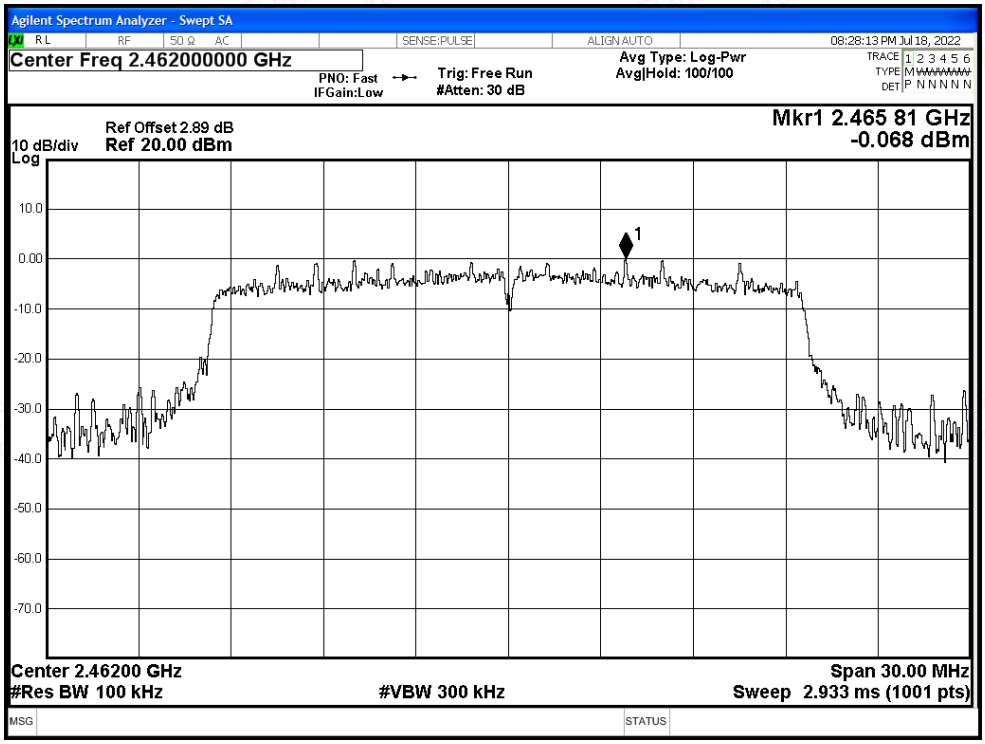
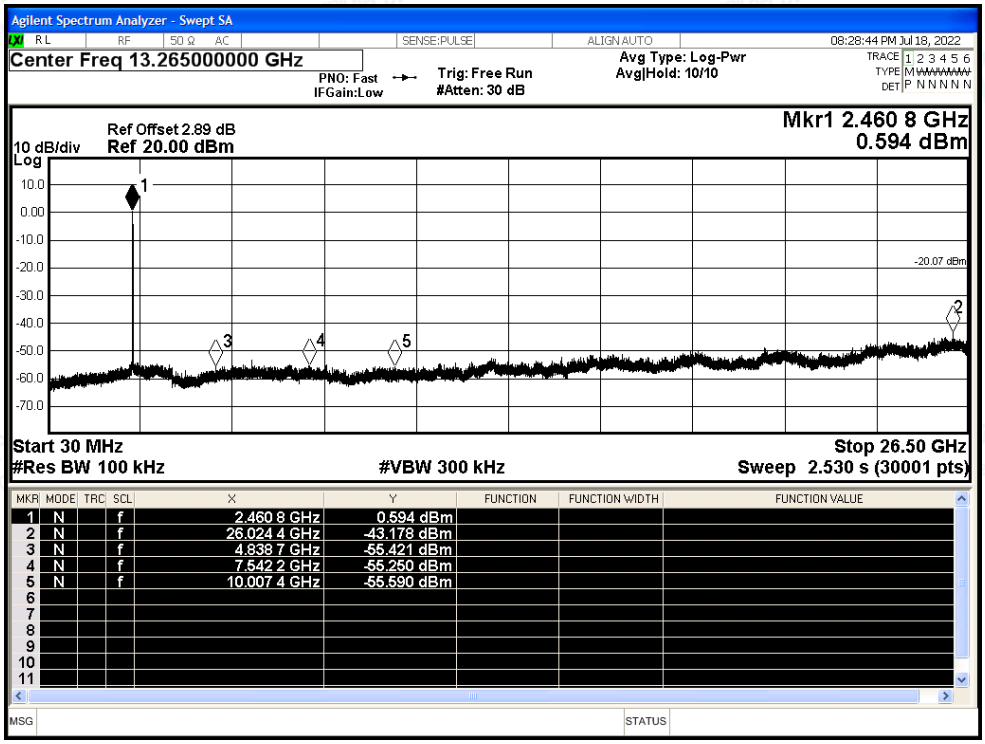


Tx. Spurious NVNT ax20 2462MHz Ant1 Emission



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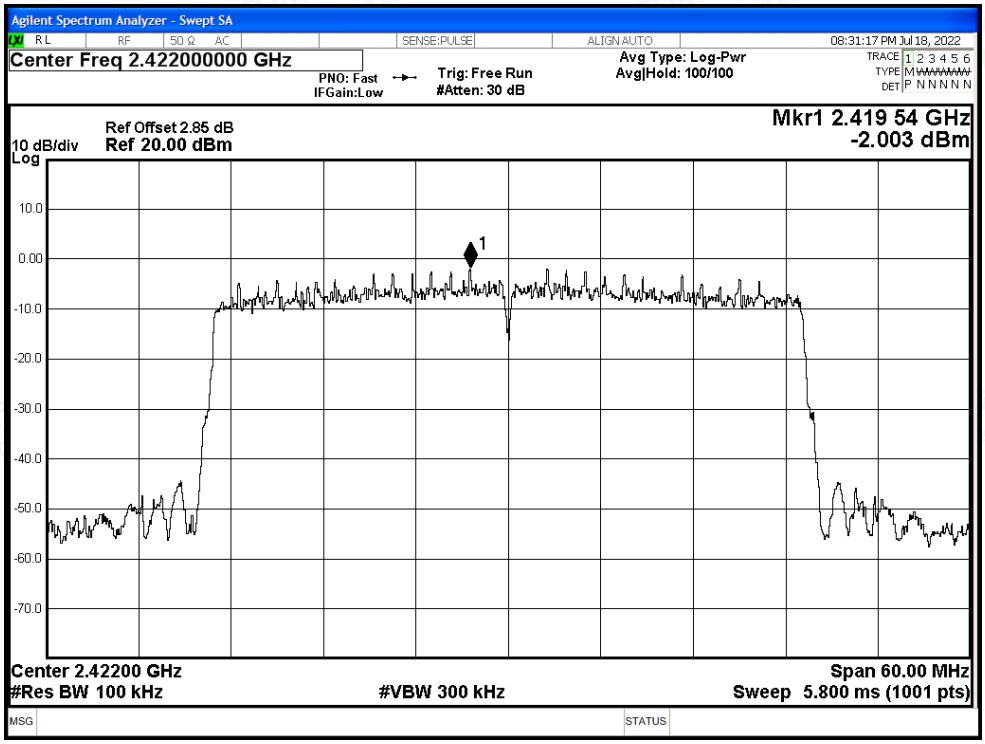

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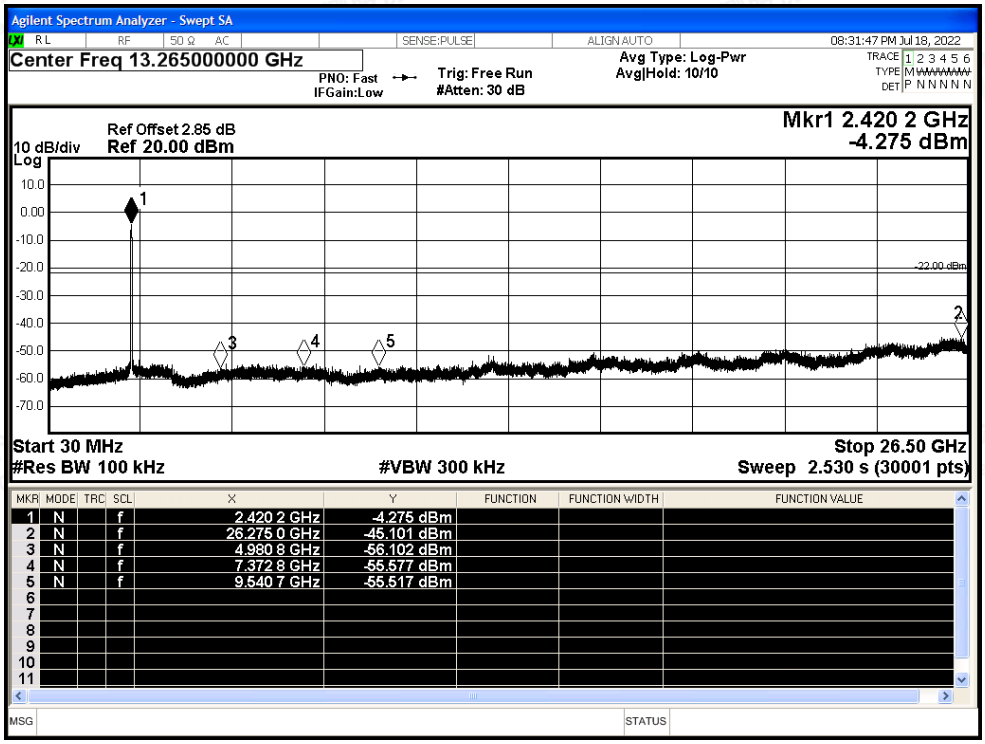
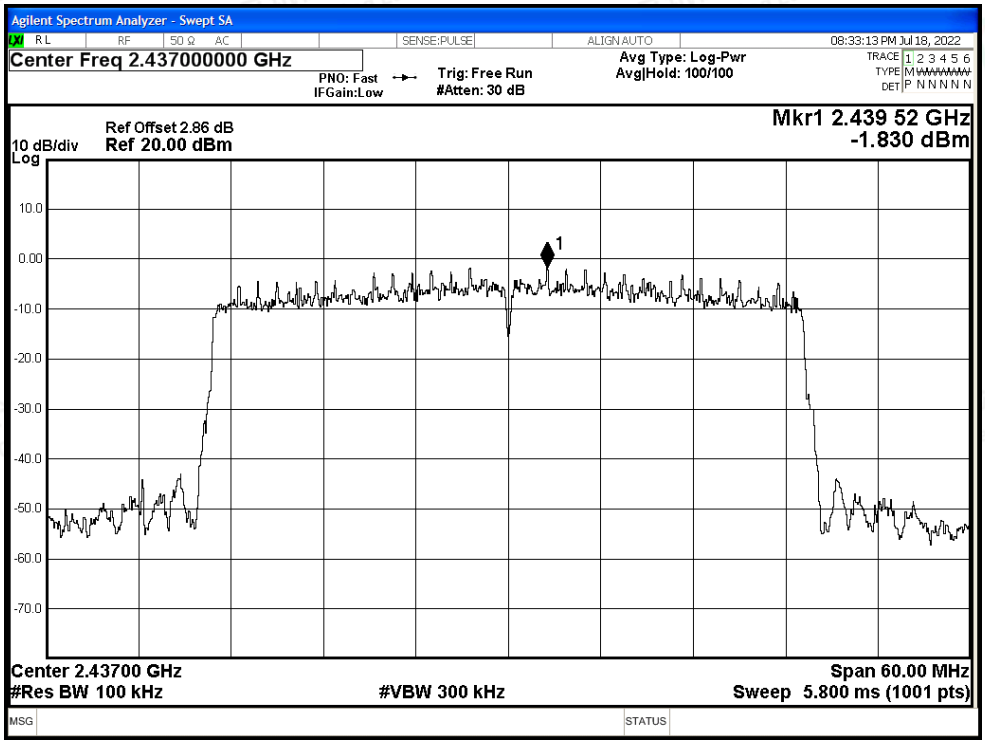
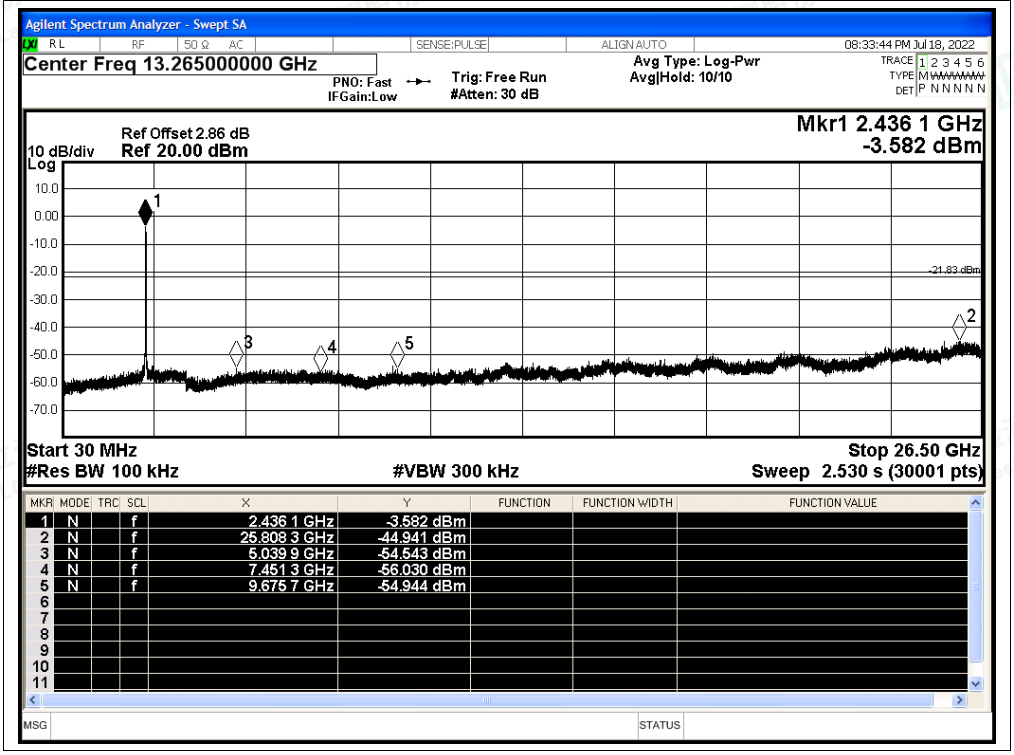


Tx. Spurious NVNT ax40 2437MHz Ant1 Ref



Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



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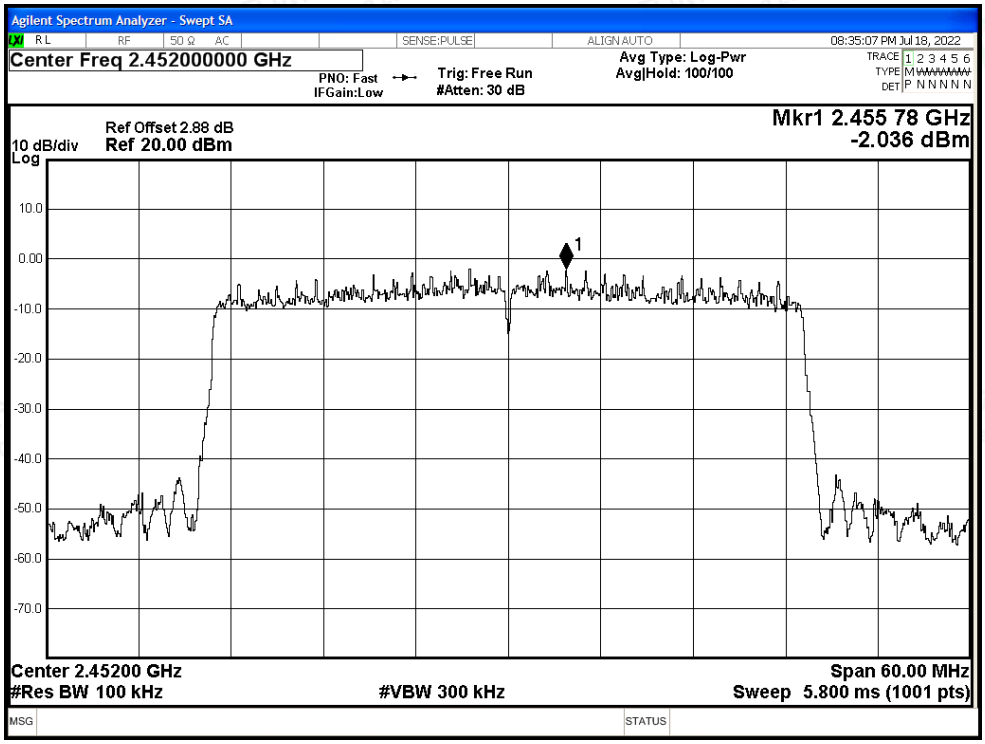
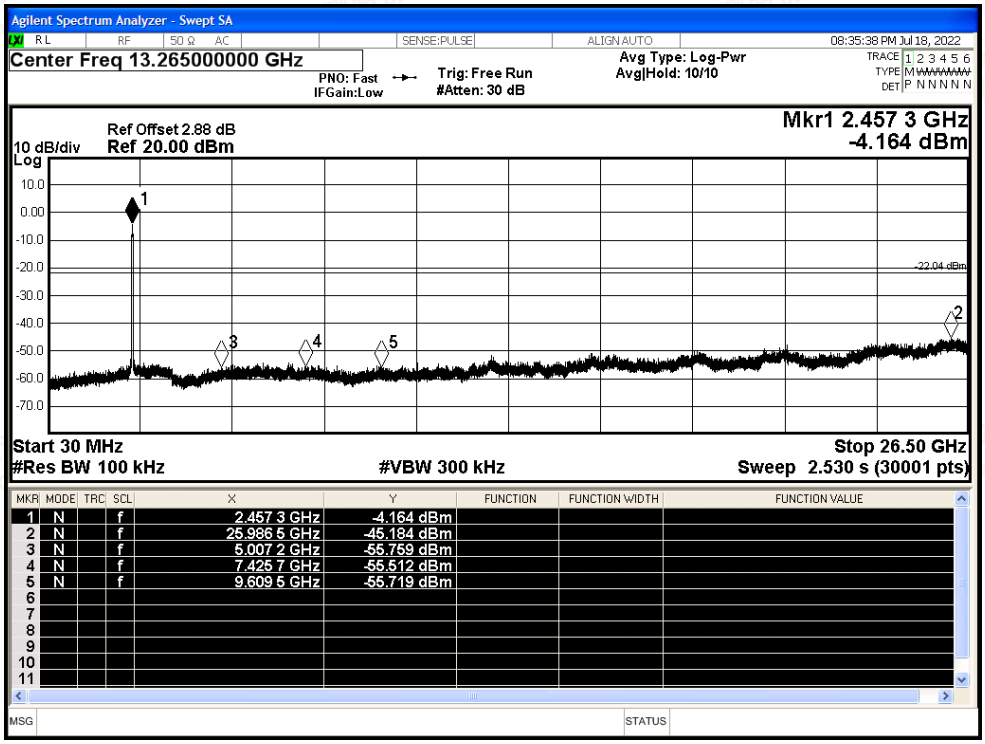


Tx. Spurious NVNT ax40 2452MHz Ant1 Emission

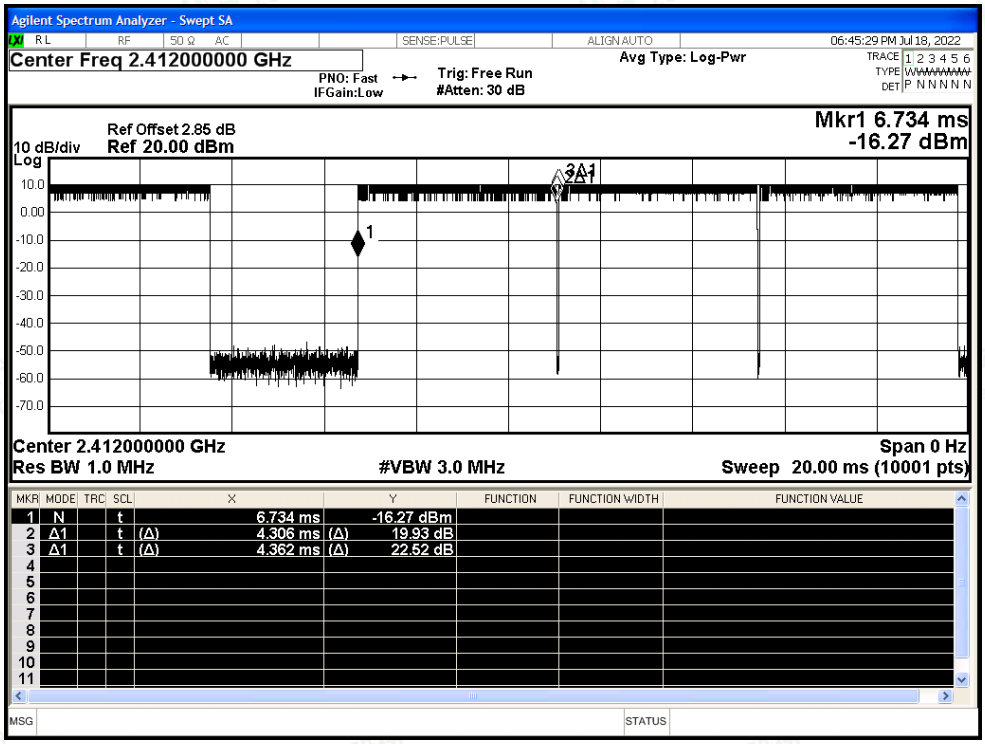


A.7 Duty Cycle

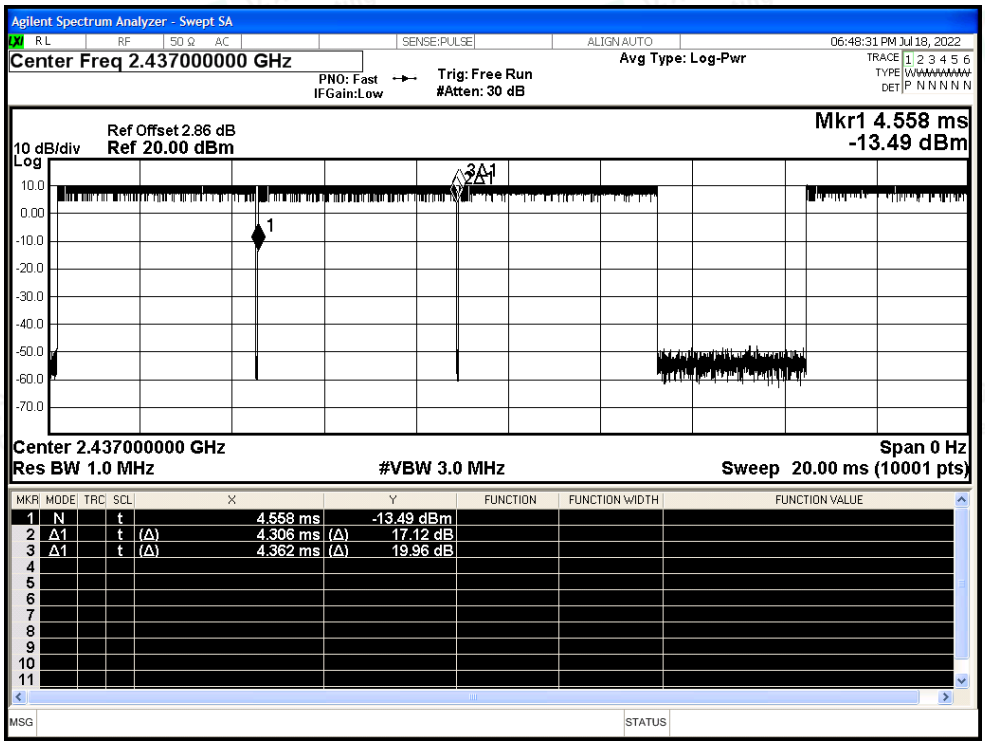
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant0	98.72	0	0.23
NVNT	b	2437	Ant0	98.72	0	0.23
NVNT	b	2462	Ant0	98.72	0	0.23
NVNT	g	2412	Ant0	96.01	0.18	0.72
NVNT	g	2437	Ant0	96.01	0.18	0.72
NVNT	g	2462	Ant0	96.01	0.18	0.72
NVNT	n20	2412	Ant0	95.72	0.19	0.77
NVNT	n20	2437	Ant0	95.72	0.19	0.77
NVNT	n20	2462	Ant0	95.86	0.18	0.77
NVNT	n40	2422	Ant0	91.93	0.37	1.57
NVNT	n40	2437	Ant0	91.93	0.37	1.57
NVNT	n40	2452	Ant0	91.93	0.37	1.57
NVNT	ax20	2412	Ant0	90.64	0.43	1.85
NVNT	ax20	2437	Ant0	90.64	0.43	1.85
NVNT	ax20	2462	Ant0	90.67	0.43	1.84
NVNT	ax40	2422	Ant0	84.36	0.74	3.31
NVNT	ax40	2437	Ant0	84.44	0.73	3.29
NVNT	ax40	2452	Ant0	84.92	0.71	3.29

Test Graphs

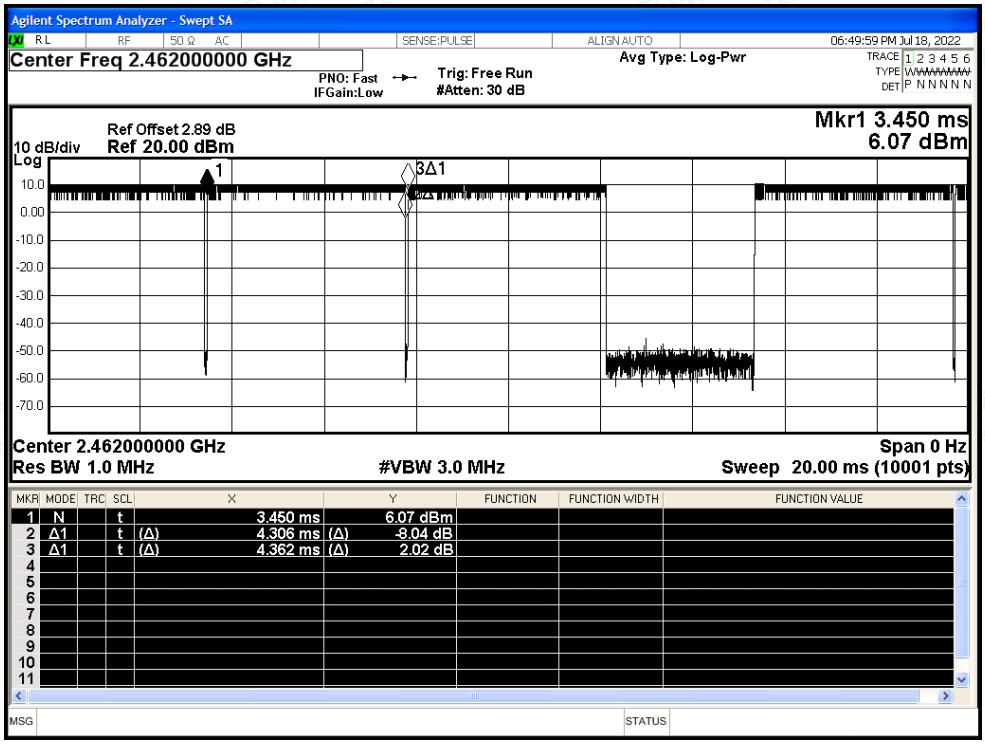
Duty Cycle NVNT b 2412MHz Ant0



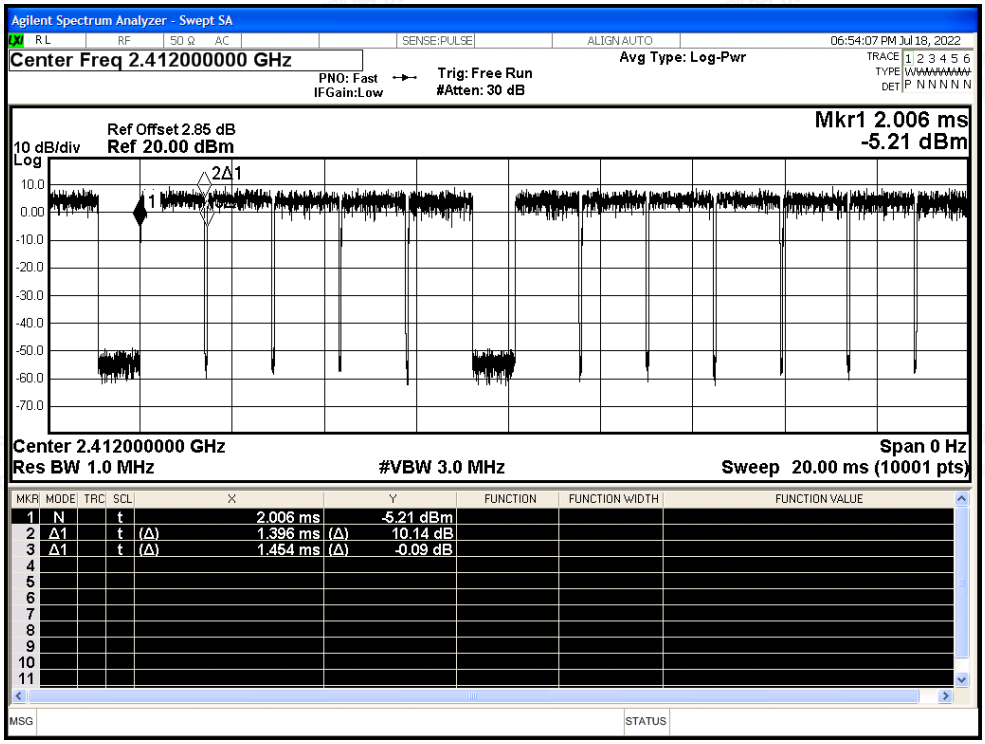
Duty Cycle NVNT b 2437MHz Ant0



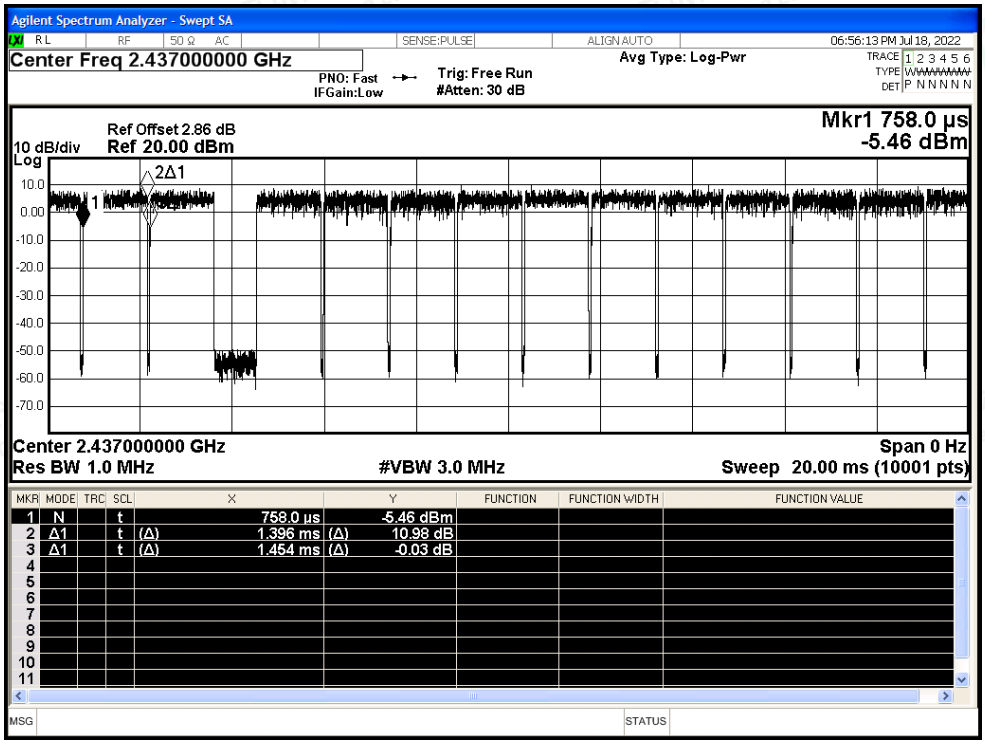
Duty Cycle NVNT b 2462MHz Ant0



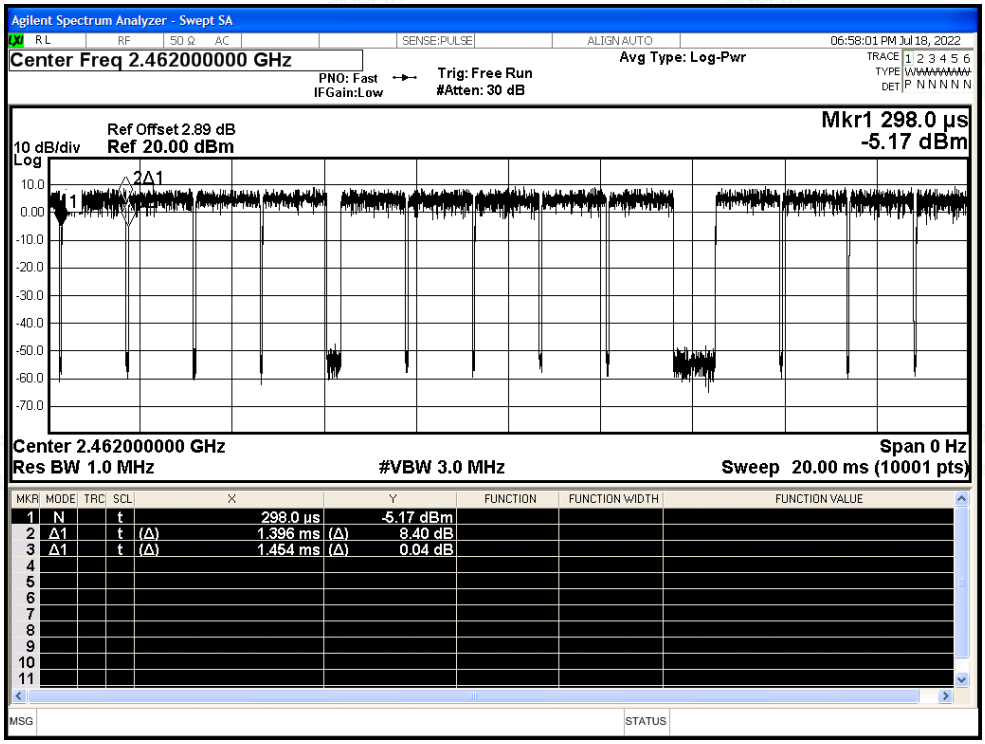
Duty Cycle NVNT g 2412MHz Ant0



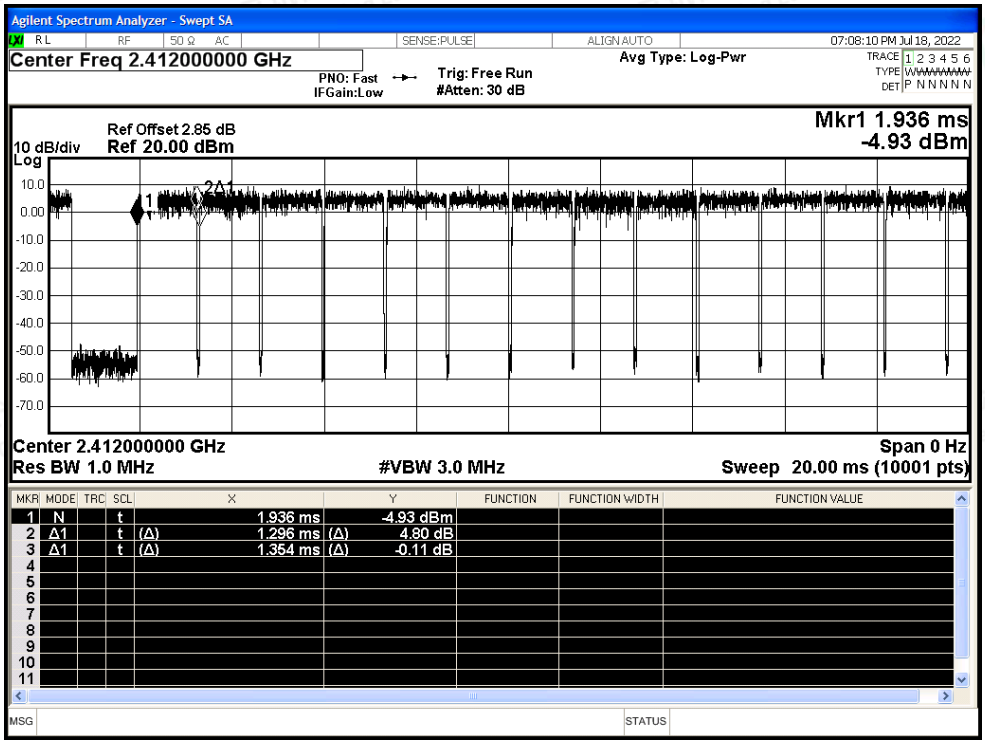
Duty Cycle NVNT g 2437MHz Ant0



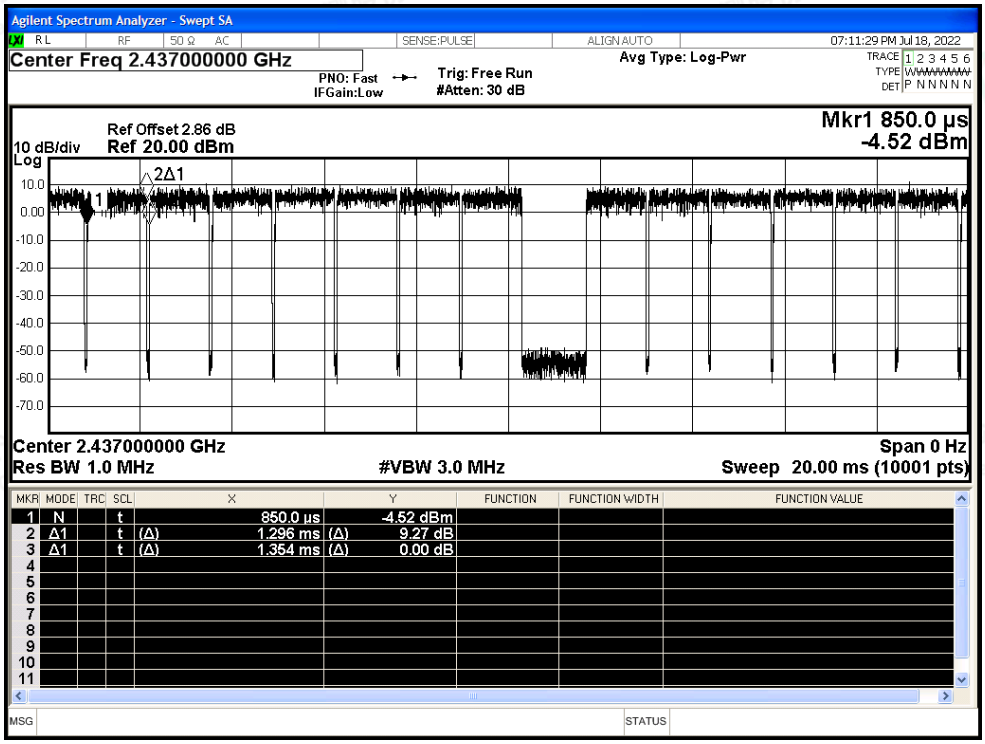
Duty Cycle NVNT g 2462MHz Ant0



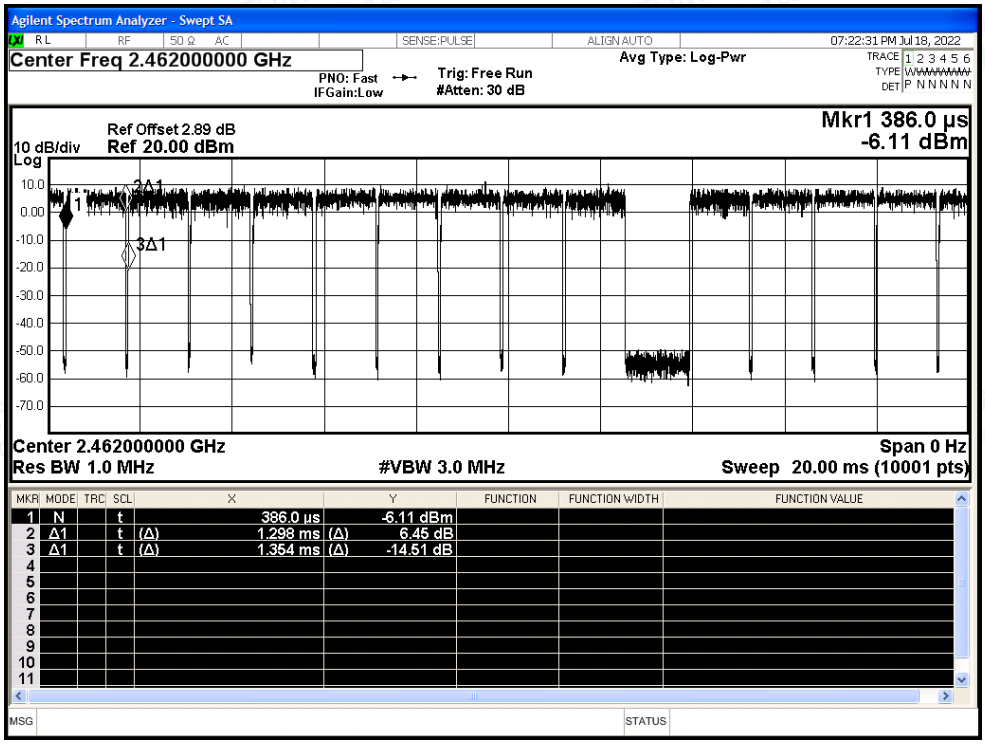
Duty Cycle NVNT n20 2412MHz Ant0



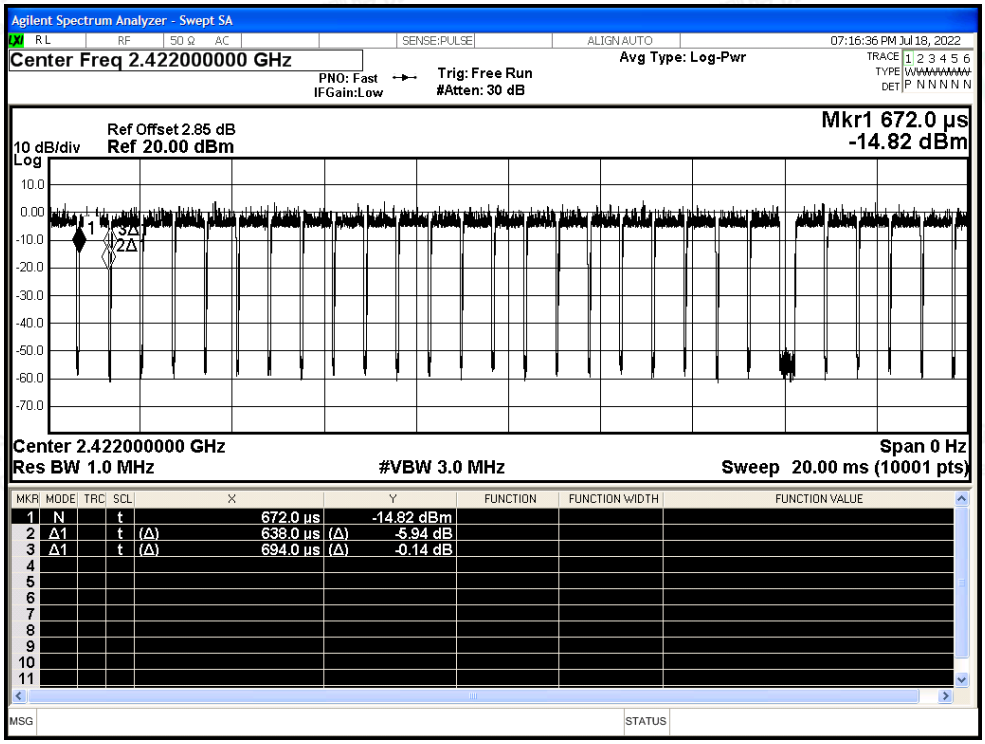
Duty Cycle NVNT n20 2437MHz Ant0



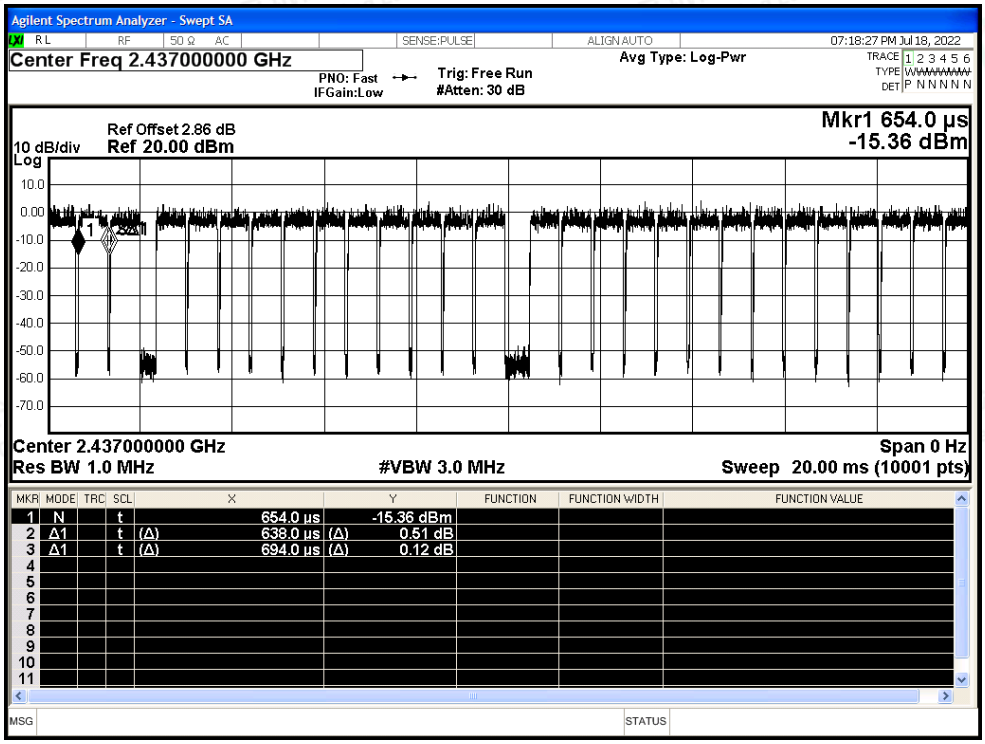
Duty Cycle NVNT n20 2462MHz Ant0



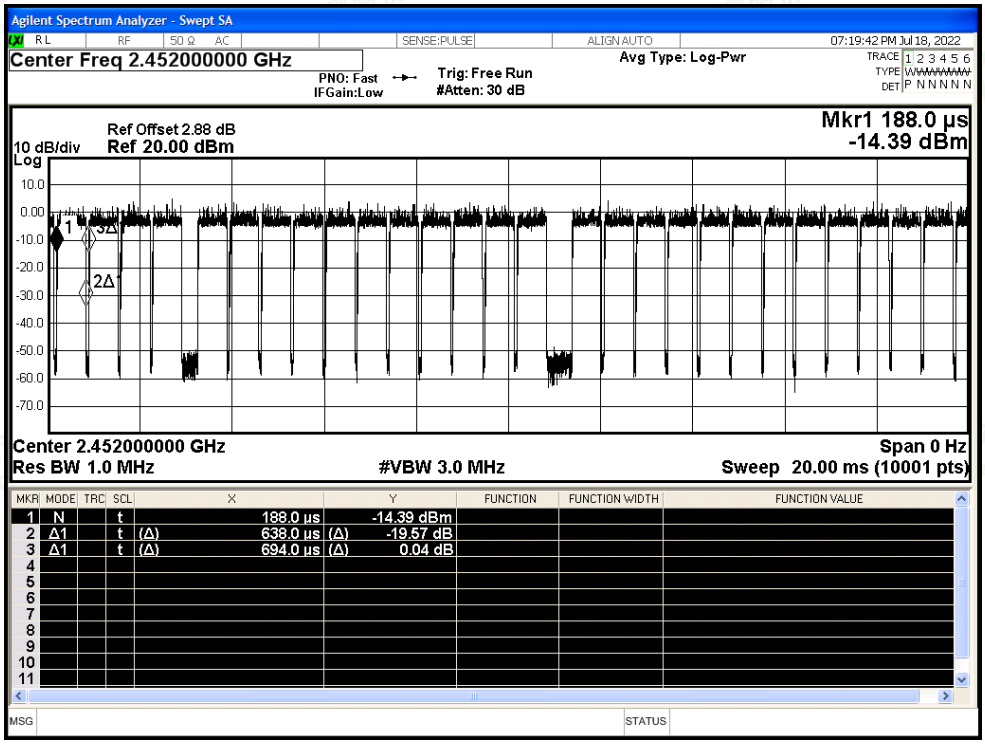
Duty Cycle NVNT n40 2422MHz Ant0



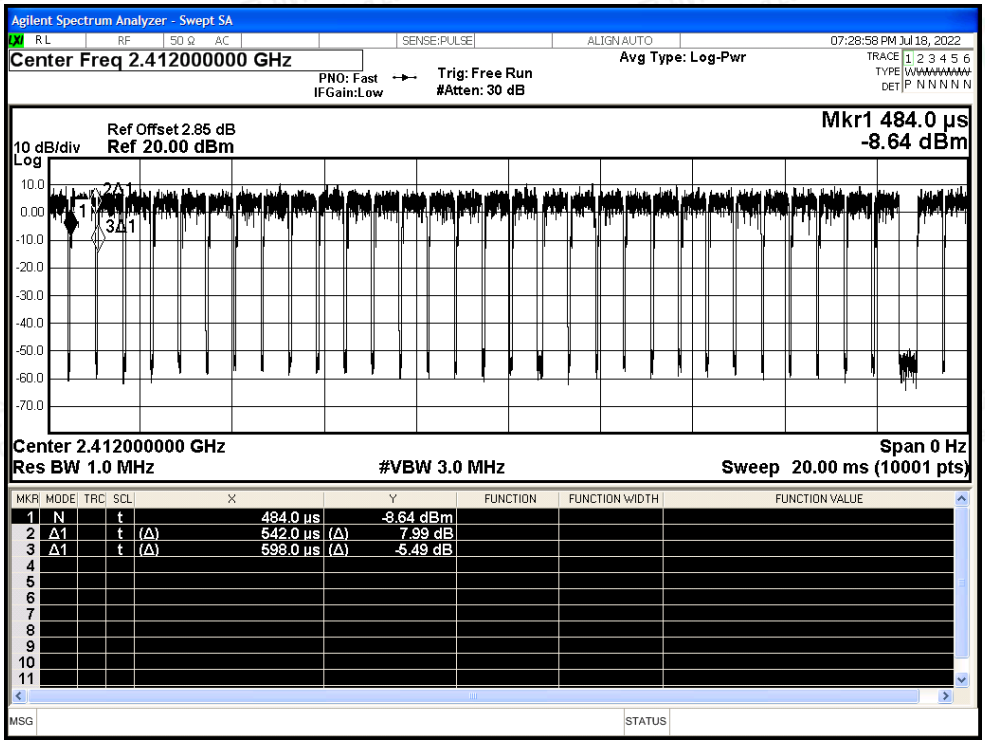
Duty Cycle NVNT n40 2437MHz Ant0



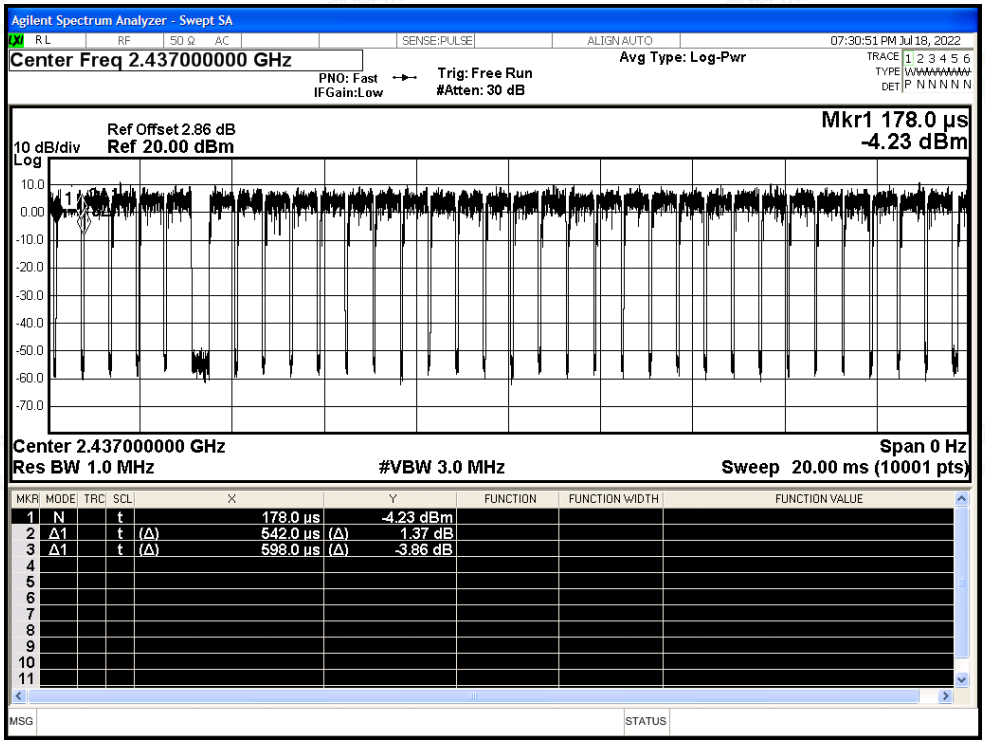
Duty Cycle NVNT n40 2452MHz Ant0



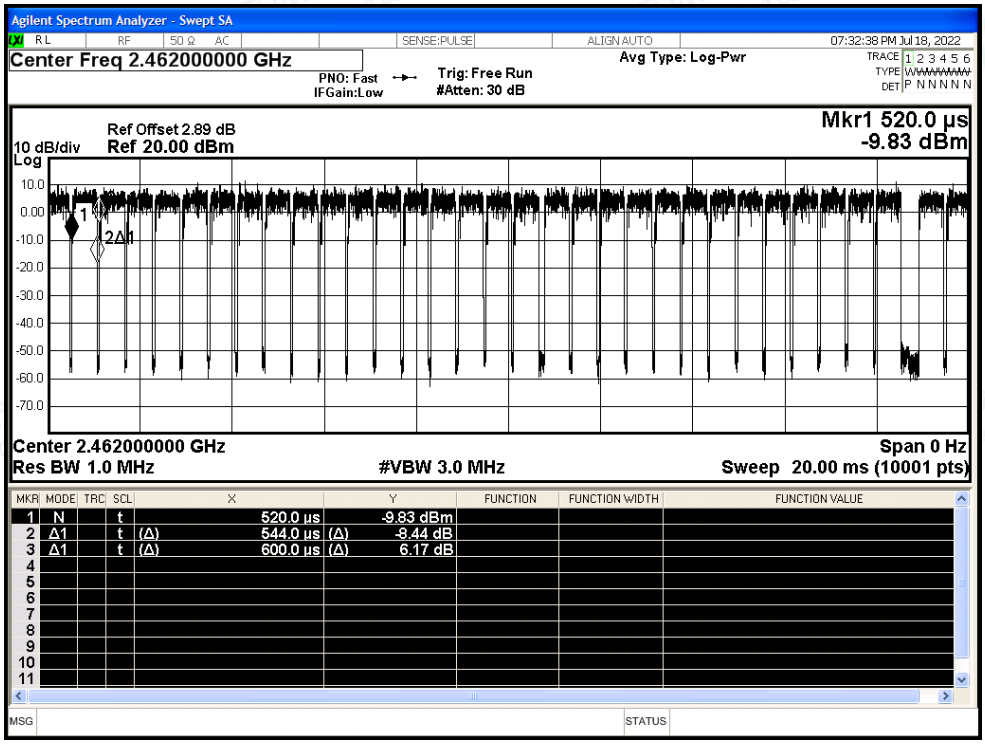
Duty Cycle NVNT ax20 2412MHz Ant0



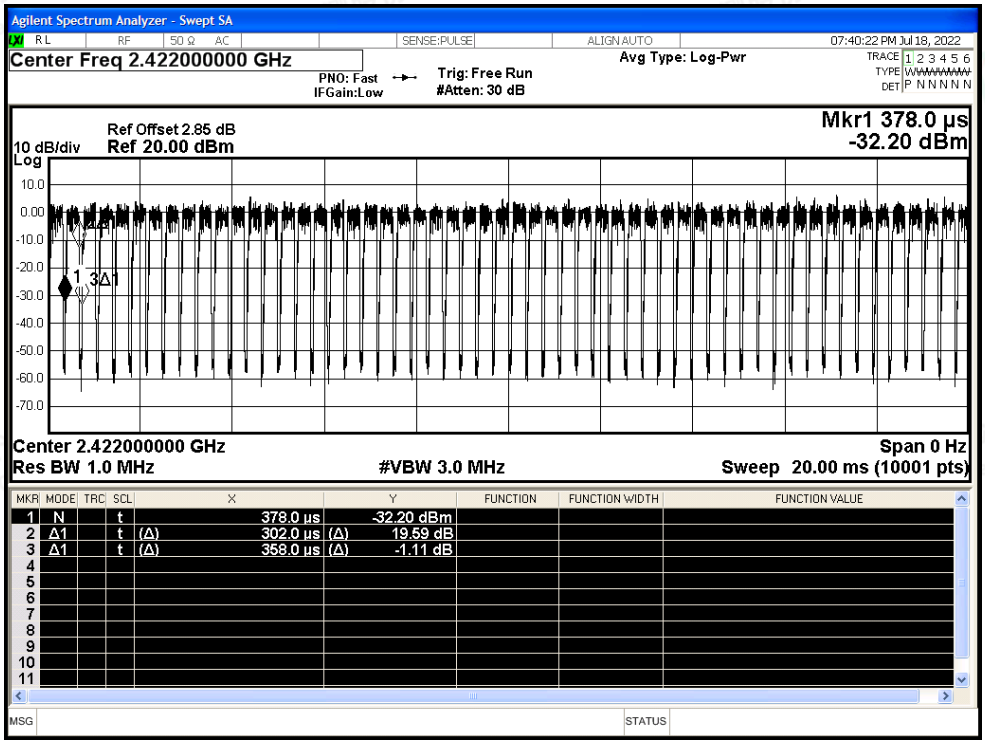
Duty Cycle NVNT ax20 2437MHz Ant0



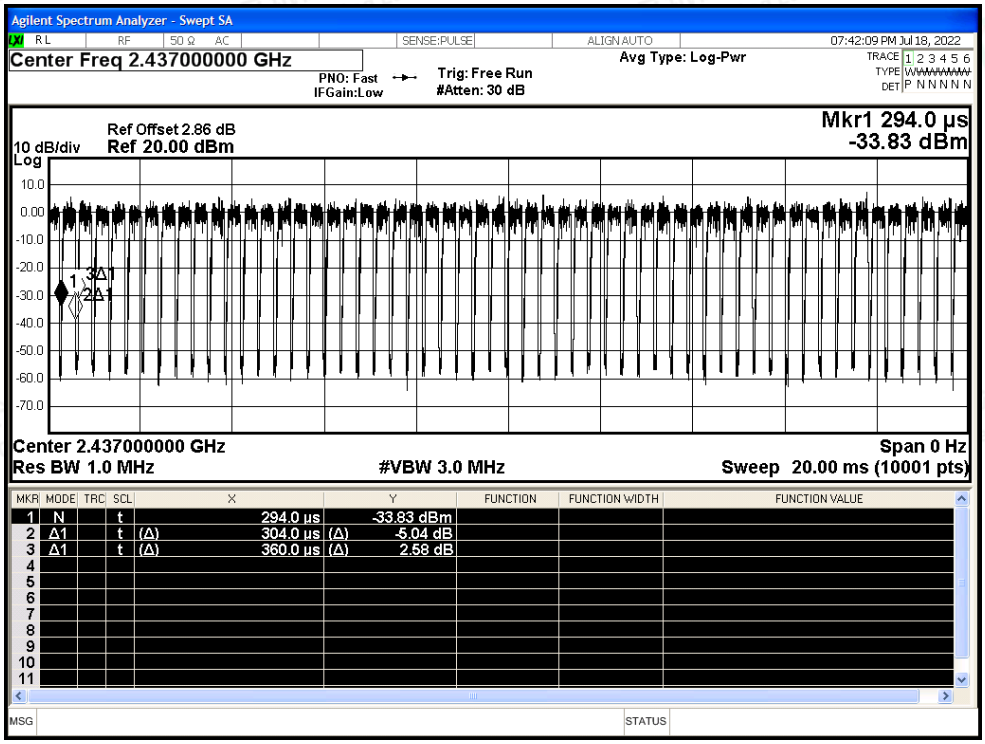
Duty Cycle NVNT ax20 2462MHz Ant0



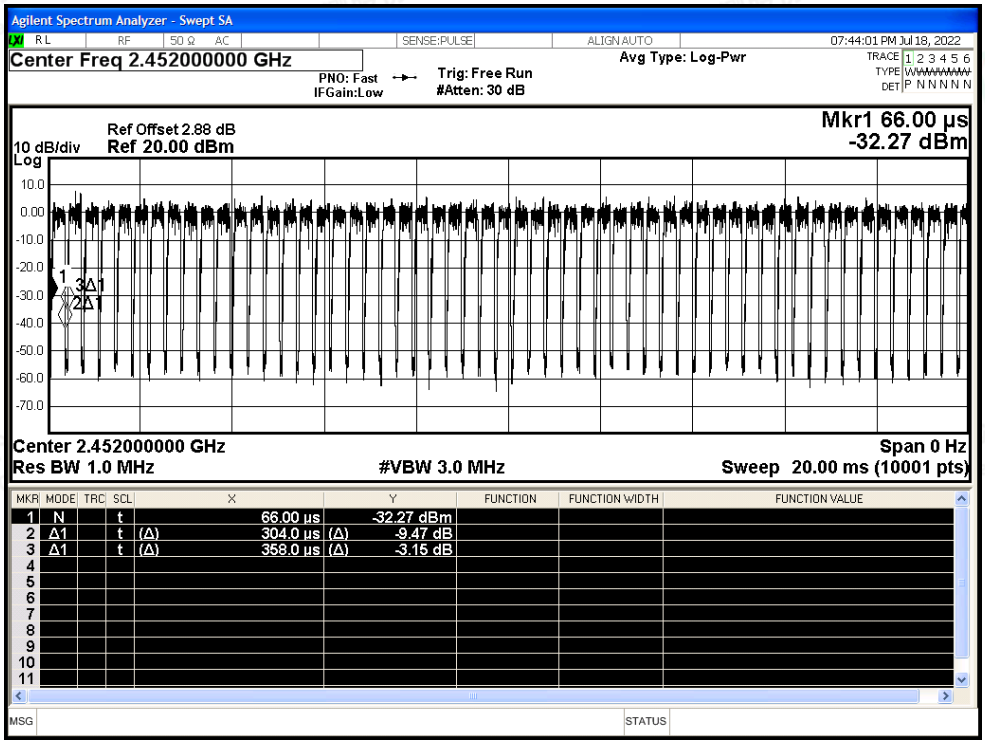
Duty Cycle NVNT ax40 2422MHz Ant0



Duty Cycle NVNT ax40 2437MHz Ant0



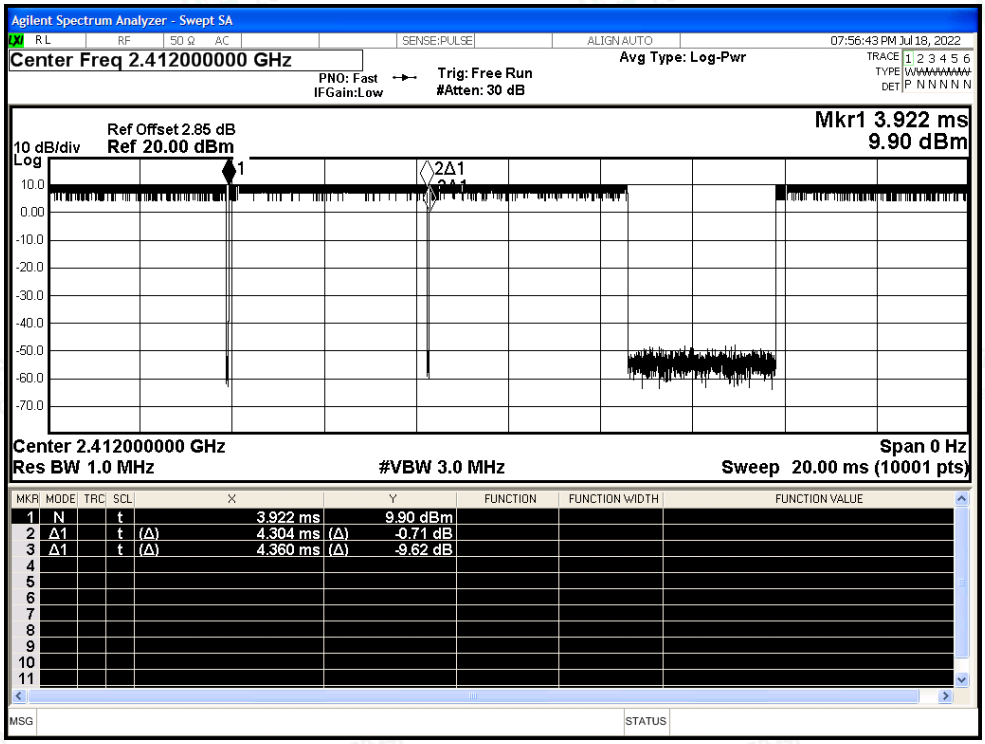
Duty Cycle NVNT ax40 2452MHz Ant0



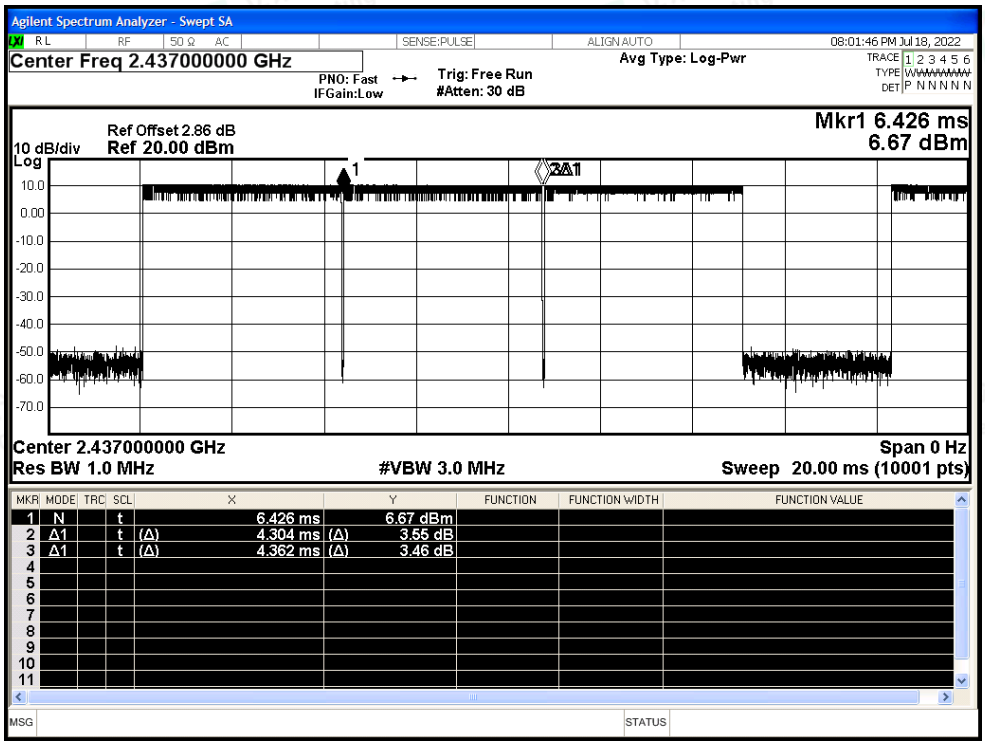
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.72	0	0.23
NVNT	b	2437	Ant1	98.67	0	0.23
NVNT	b	2462	Ant1	98.72	0	0.23
NVNT	g	2412	Ant1	96.15	0.17	0.72
NVNT	g	2437	Ant1	96.15	0.17	0.72
NVNT	g	2462	Ant1	96.15	0.17	0.72
NVNT	n20	2412	Ant1	95.85	0.18	0.77
NVNT	n20	2437	Ant1	95.7	0.19	0.77
NVNT	n20	2462	Ant1	95.7	0.19	0.77
NVNT	n40	2422	Ant1	91.93	0.37	1.57
NVNT	n40	2437	Ant1	91.93	0.37	1.57
NVNT	n40	2452	Ant1	53.52	2.71	1.57
NVNT	ax20	2412	Ant1	90.33	0.44	1.85
NVNT	ax20	2437	Ant1	90.64	0.43	1.85
NVNT	ax20	2462	Ant1	90.33	0.44	1.85
NVNT	ax40	2422	Ant1	84.92	0.71	3.29
NVNT	ax40	2437	Ant1	84.36	0.74	3.31
NVNT	ax40	2452	Ant1	84.92	0.71	3.29

Test Graphs

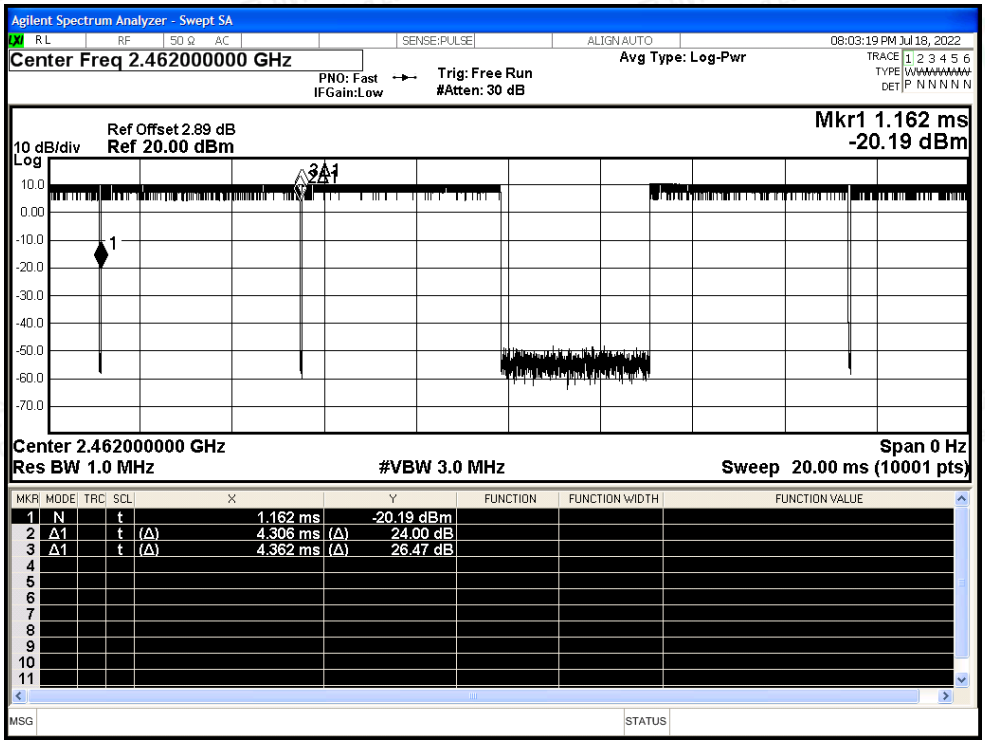
Duty Cycle NVNT b 2412MHz Ant1



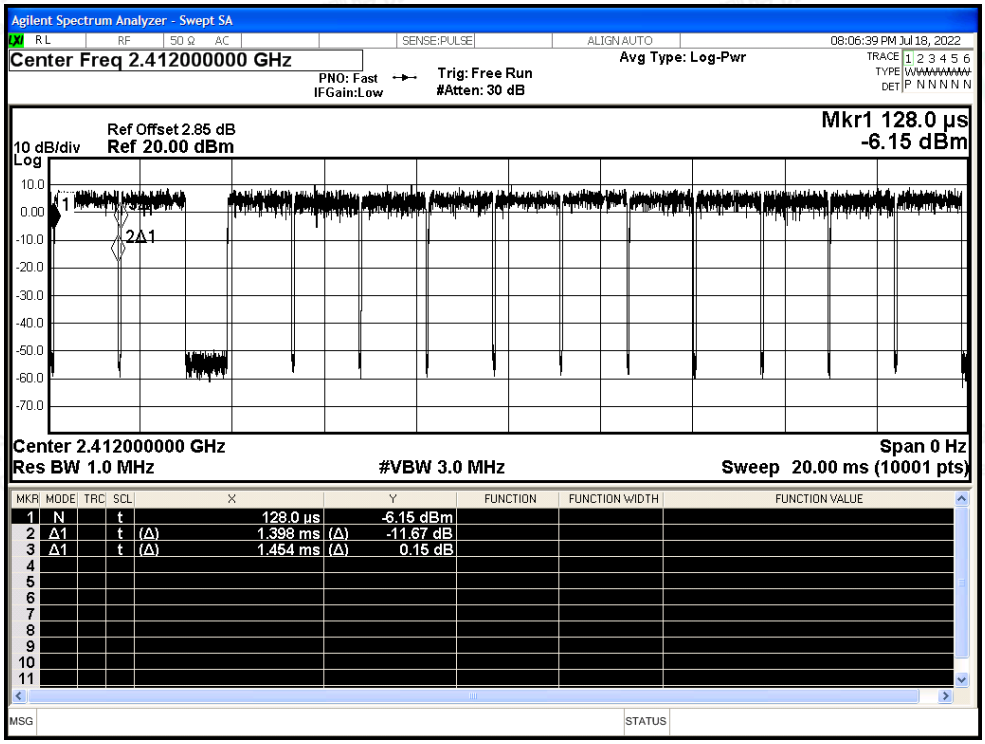
Duty Cycle NVNT b 2437MHz Ant1



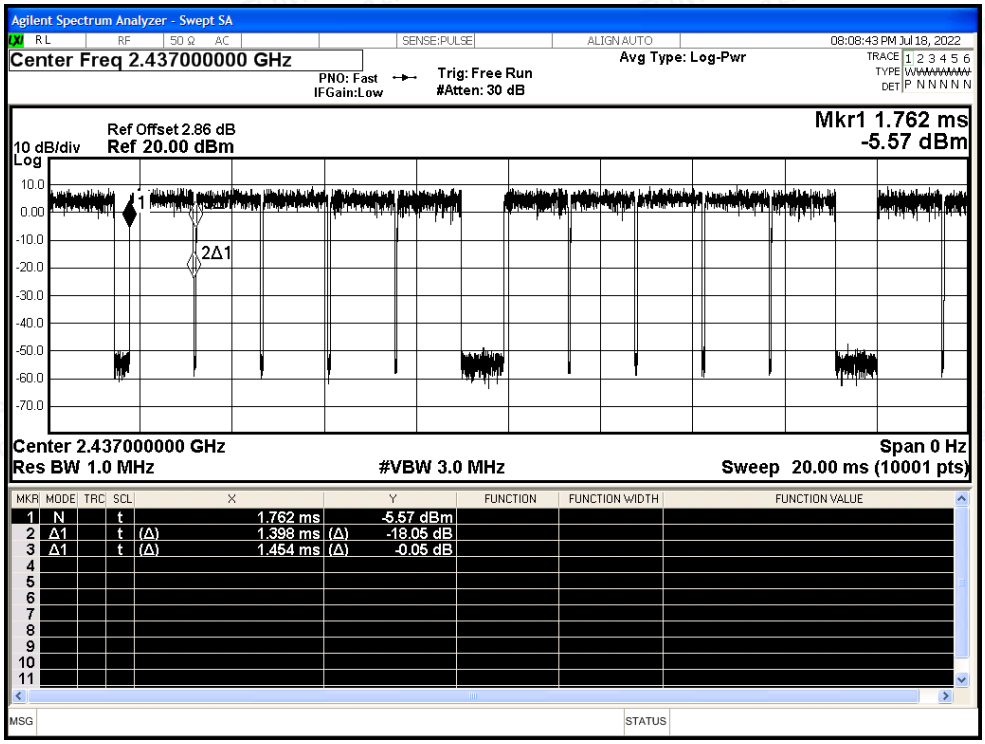
Duty Cycle NVNT b 2462MHz Ant1



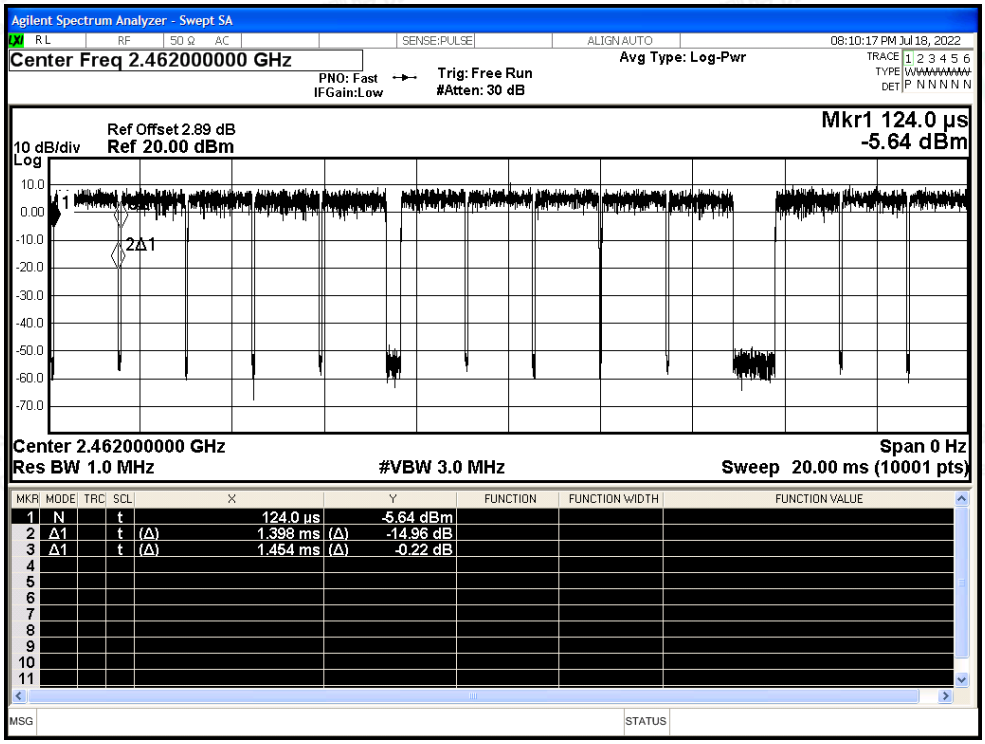
Duty Cycle NVNT g 2412MHz Ant1



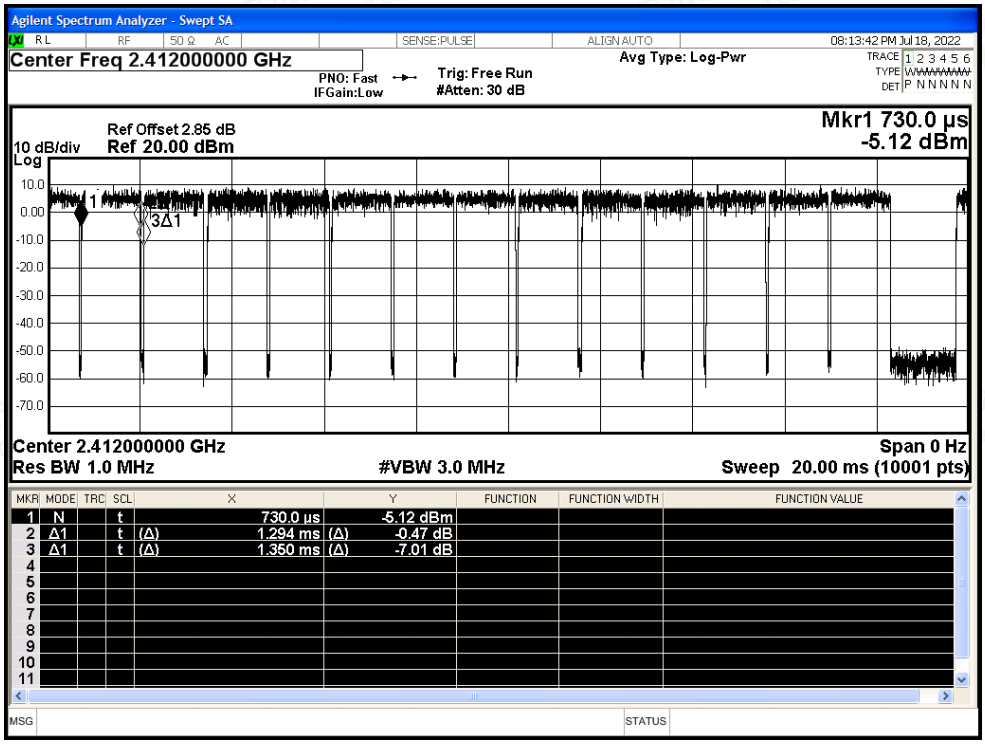
Duty Cycle NVNT g 2437MHz Ant1



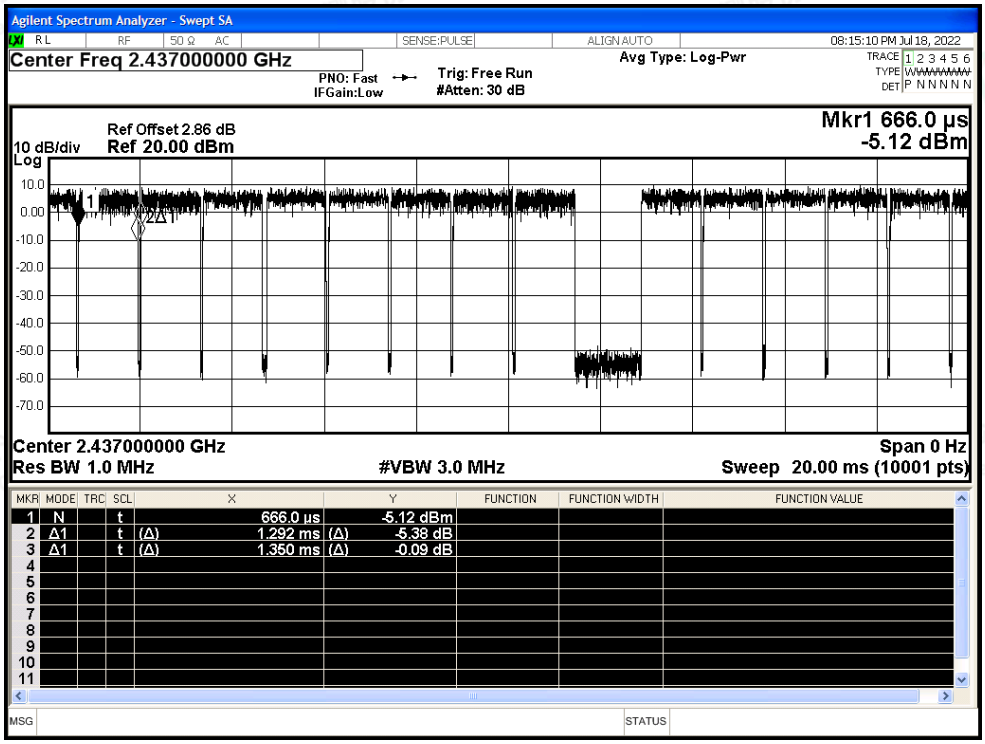
Duty Cycle NVNT g 2462MHz Ant1



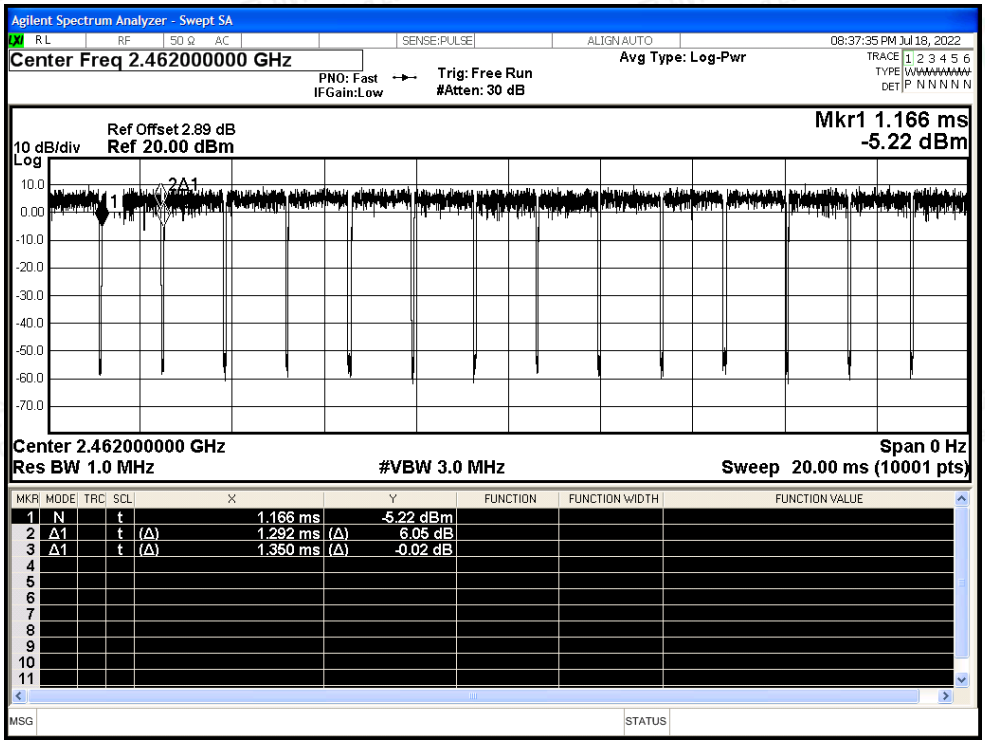
Duty Cycle NVNT n20 2412MHz Ant1



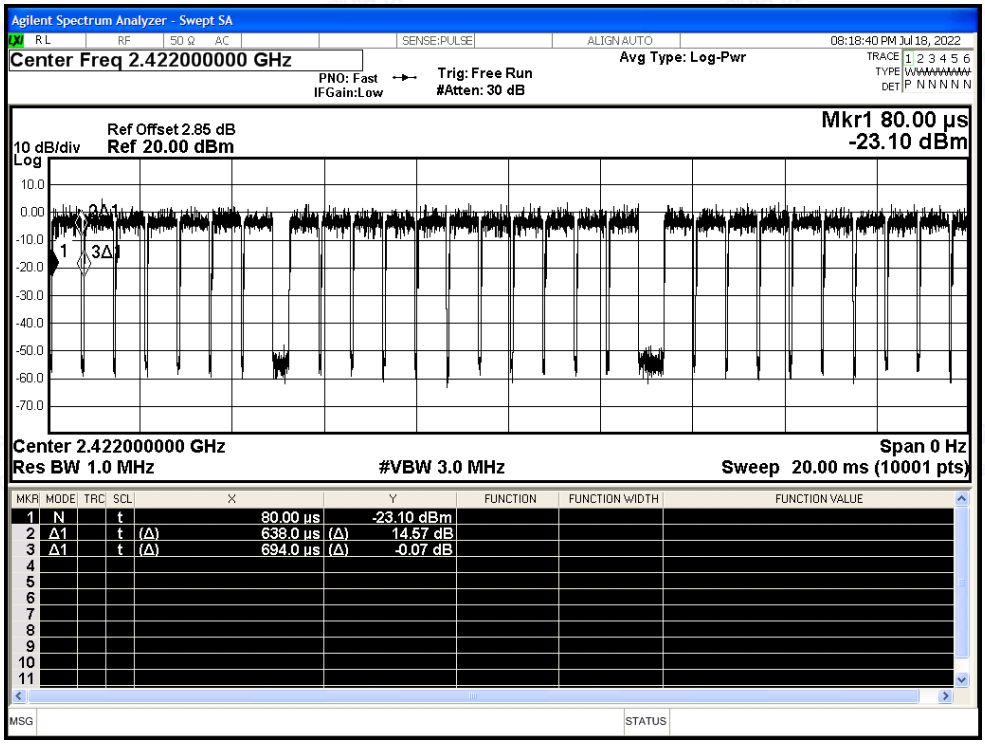
Duty Cycle NVNT n20 2437MHz Ant1



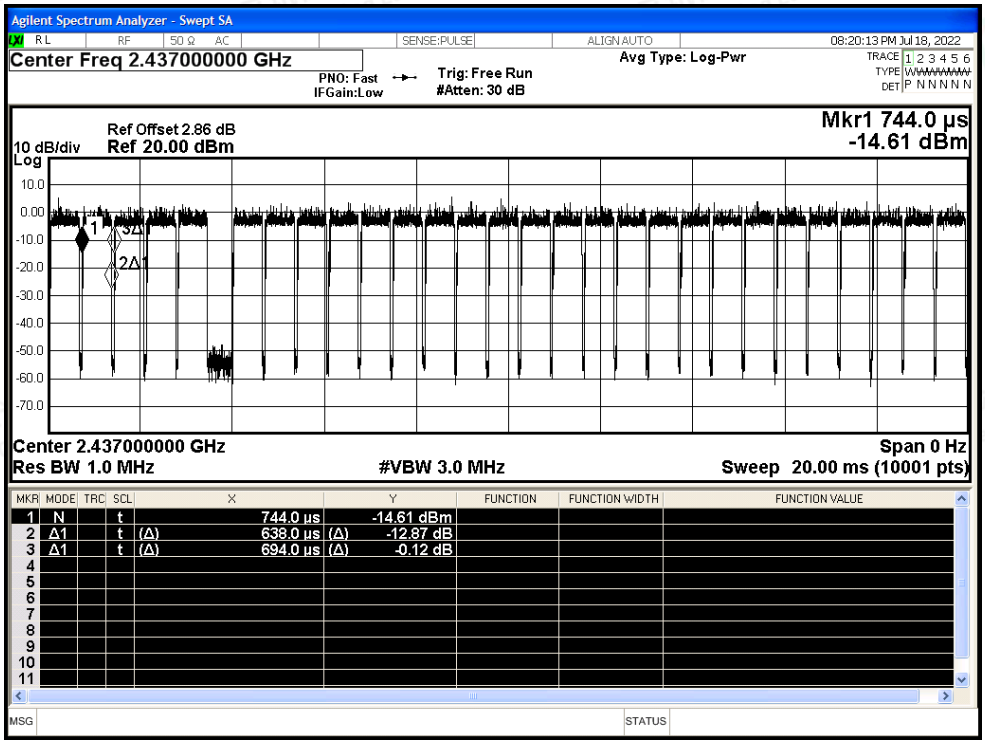
Duty Cycle NVNT n20 2462MHz Ant1



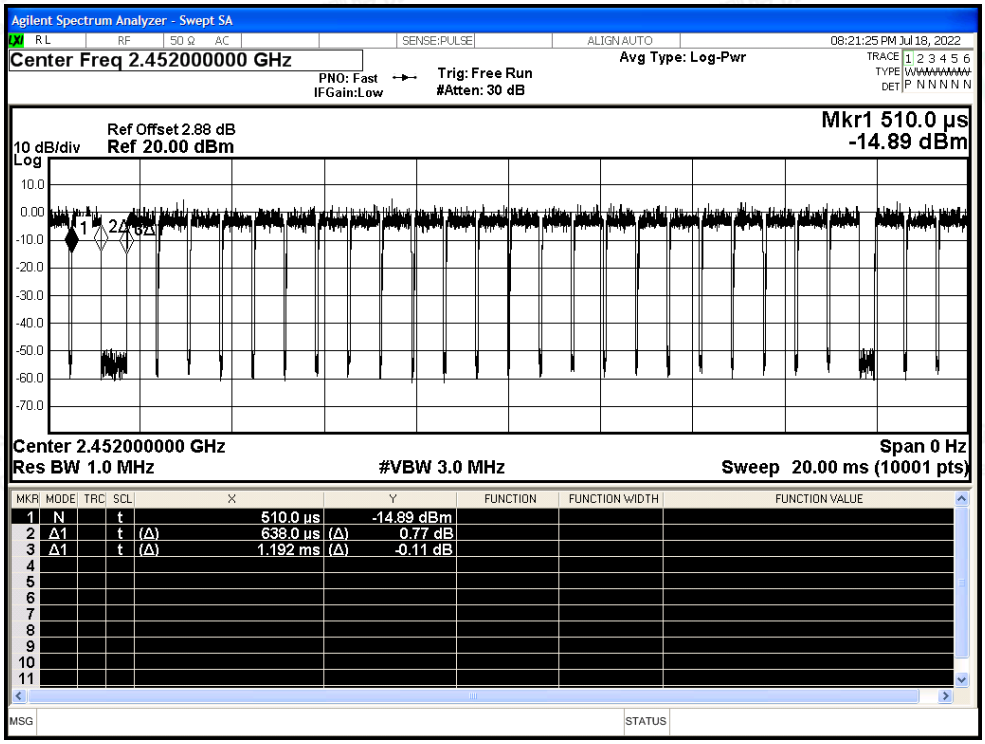
Duty Cycle NVNT n40 2422MHz Ant1



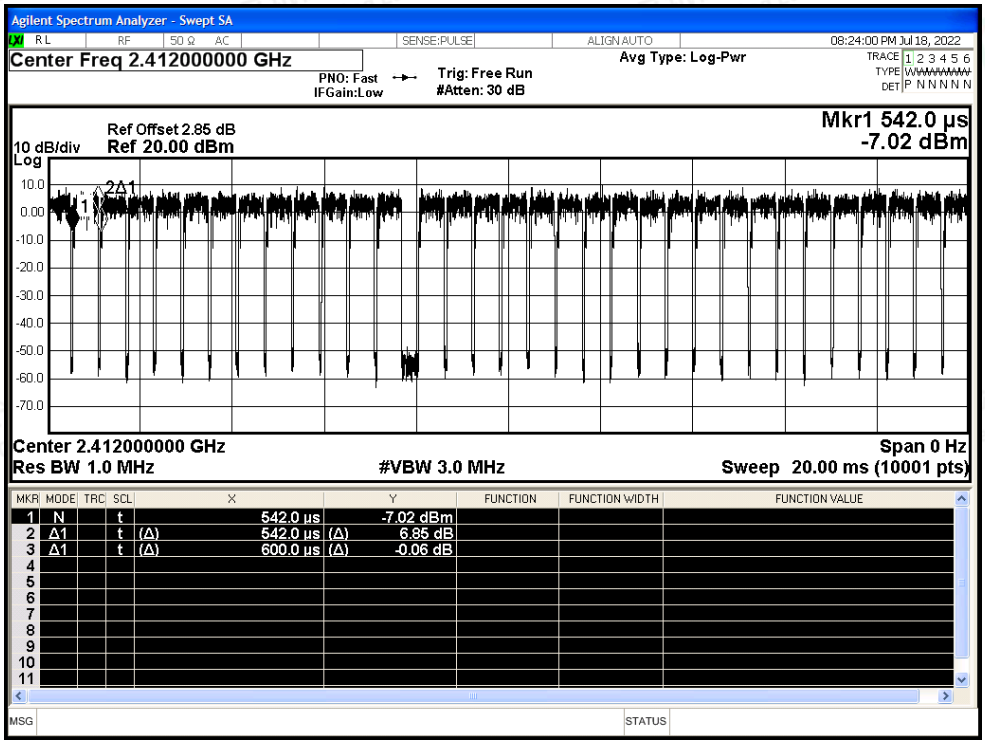
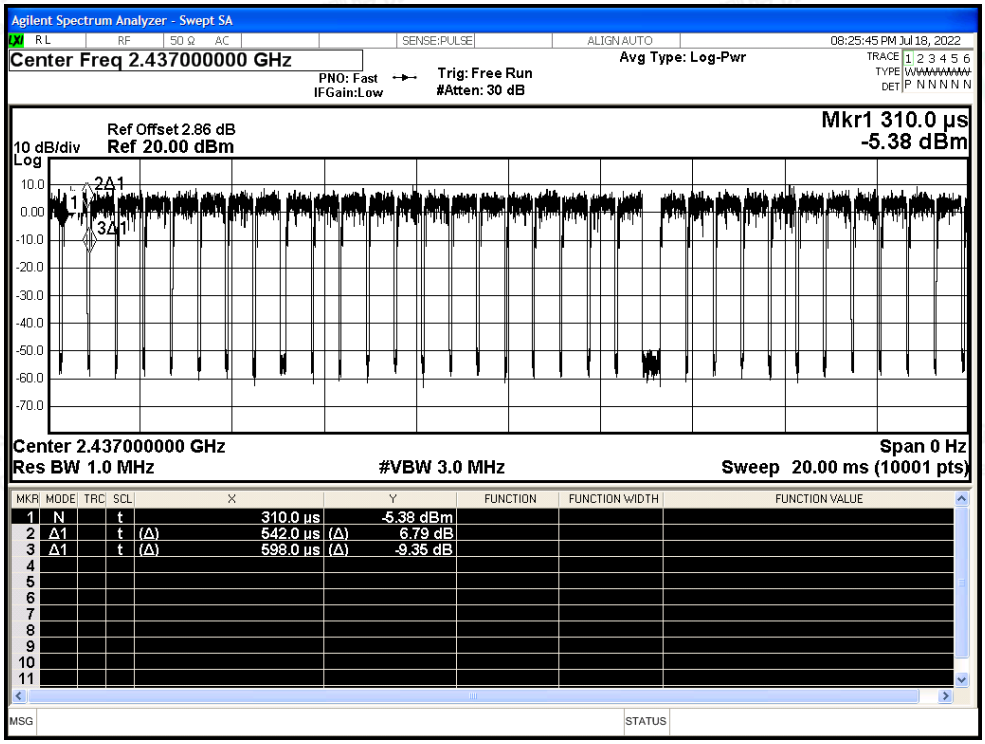
Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



Duty Cycle NVNT ax20 2412MHz Ant1



Duty Cycle NVNT ax20 2437MHz Ant1