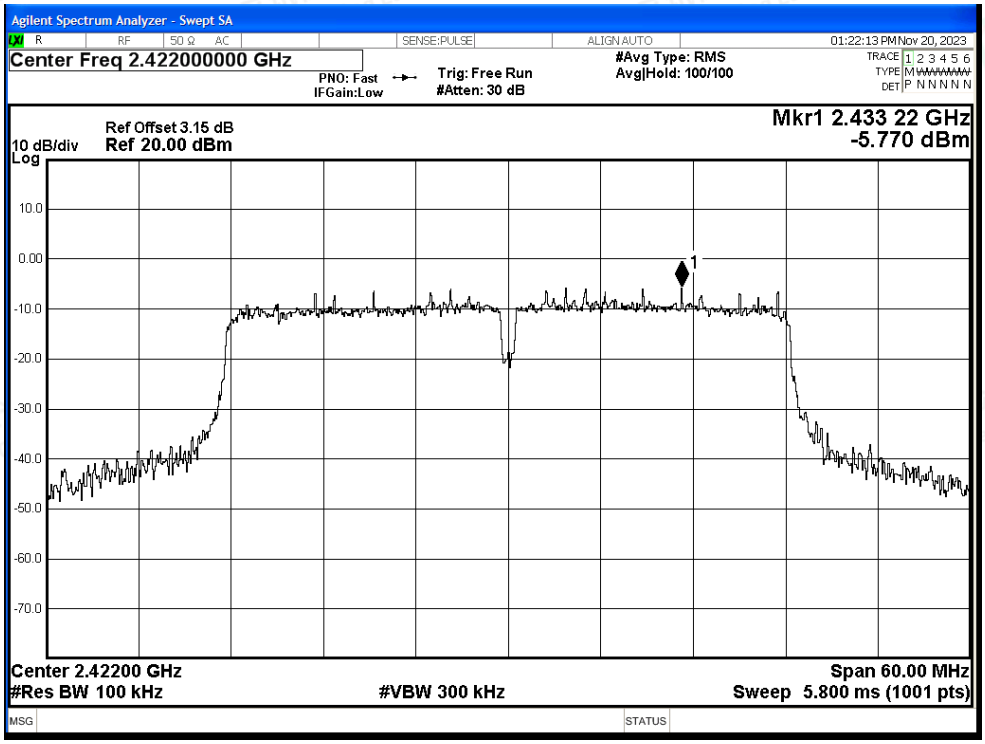
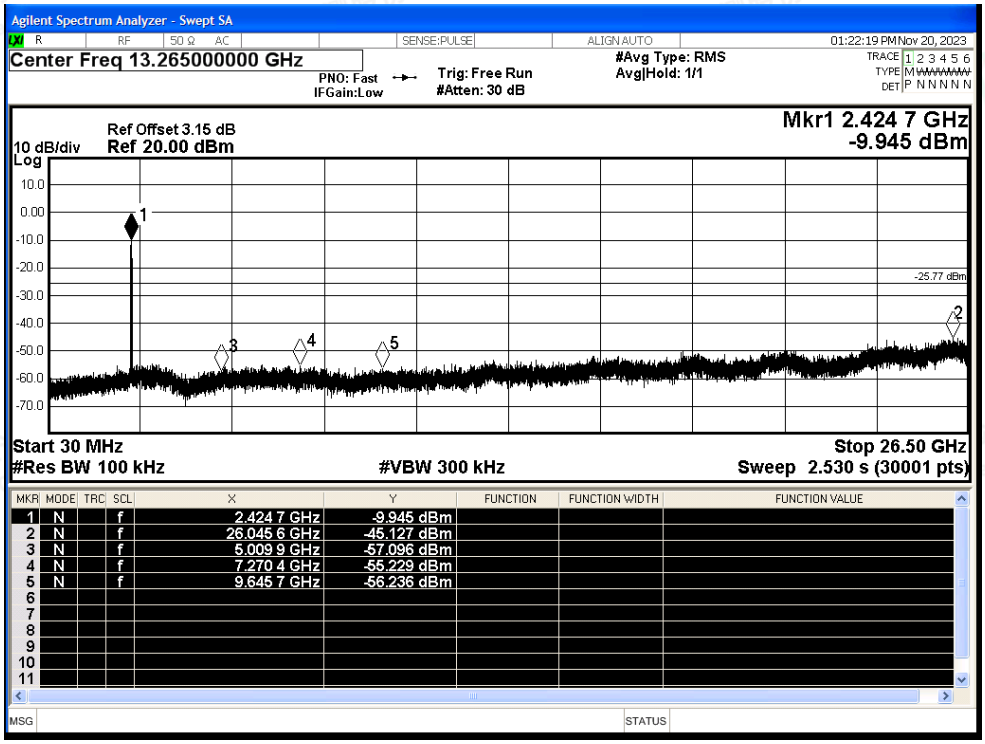
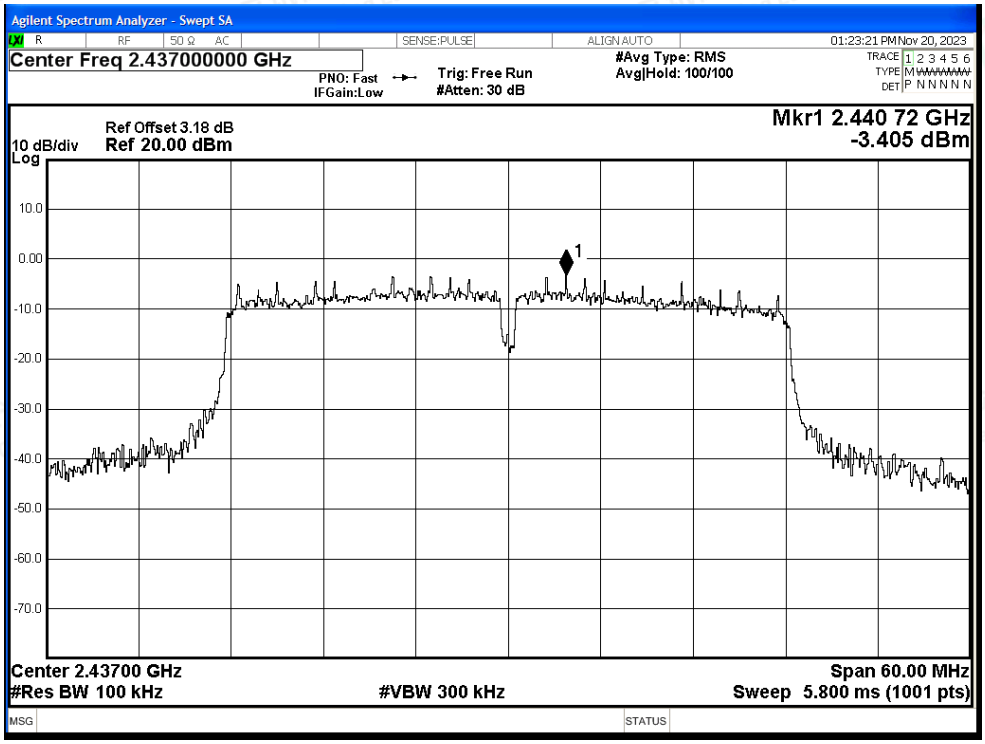
Tx. Spurious NVNT n40 2422MHz Ant0 Ref



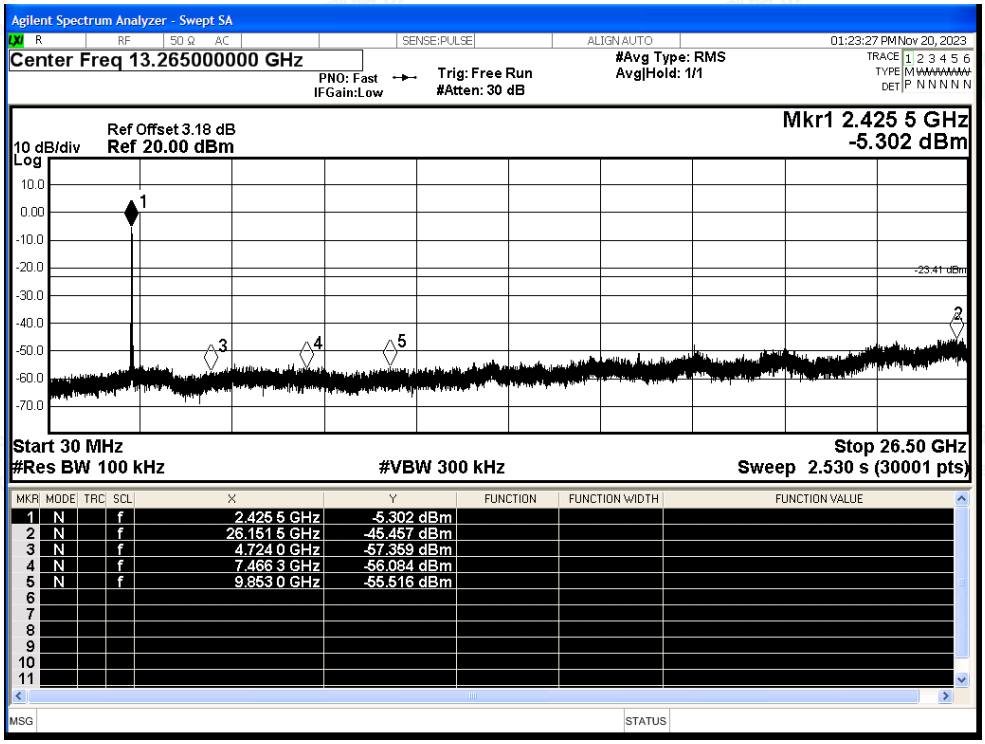
Tx. Spurious NVNT n40 2422MHz Ant0 Emission



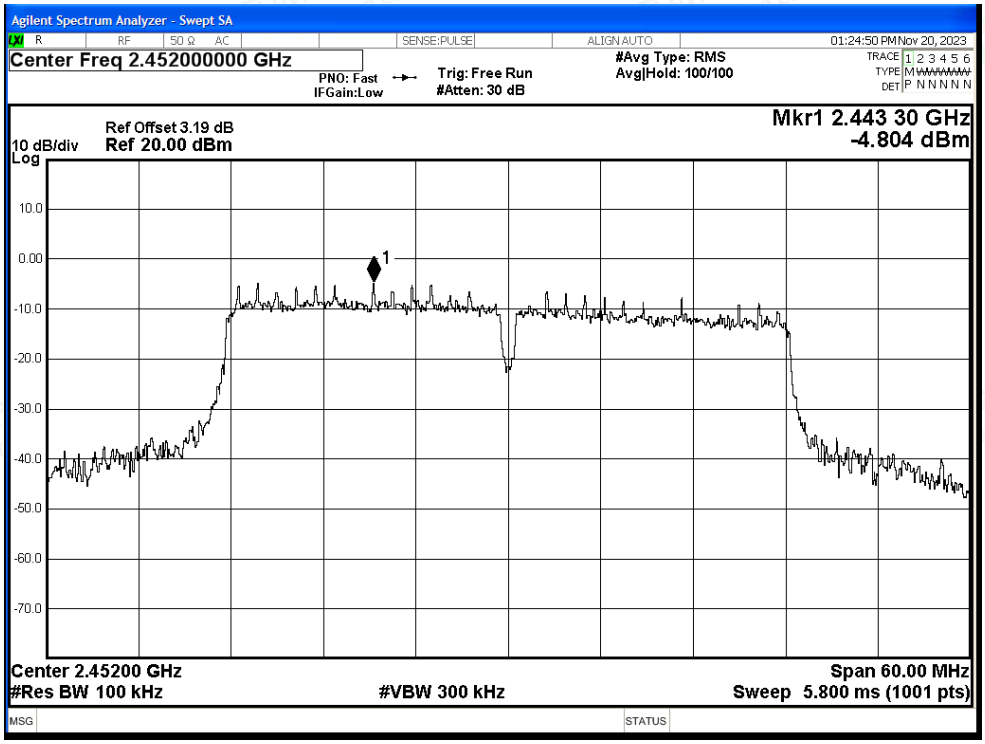
Tx. Spurious NVNT n40 2437MHz Ant0 Ref



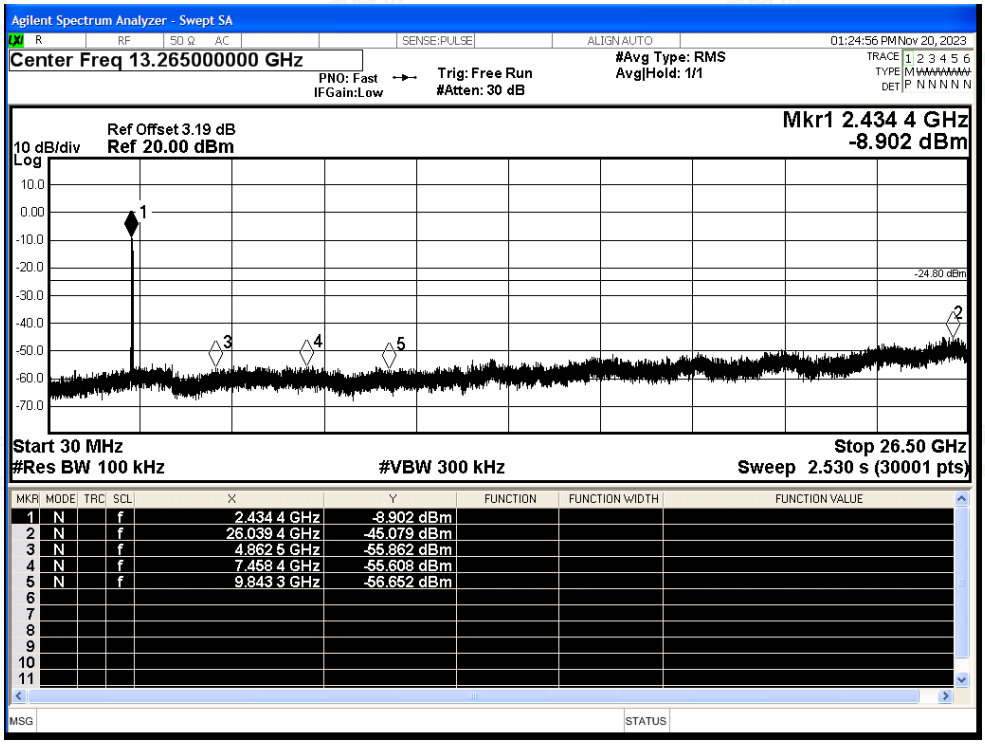
Tx. Spurious NVNT n40 2437MHz Ant0 Emission



Tx. Spurious NVNT n40 2452MHz Ant0 Ref



Tx. Spurious NVNT n40 2452MHz Ant0 Emission

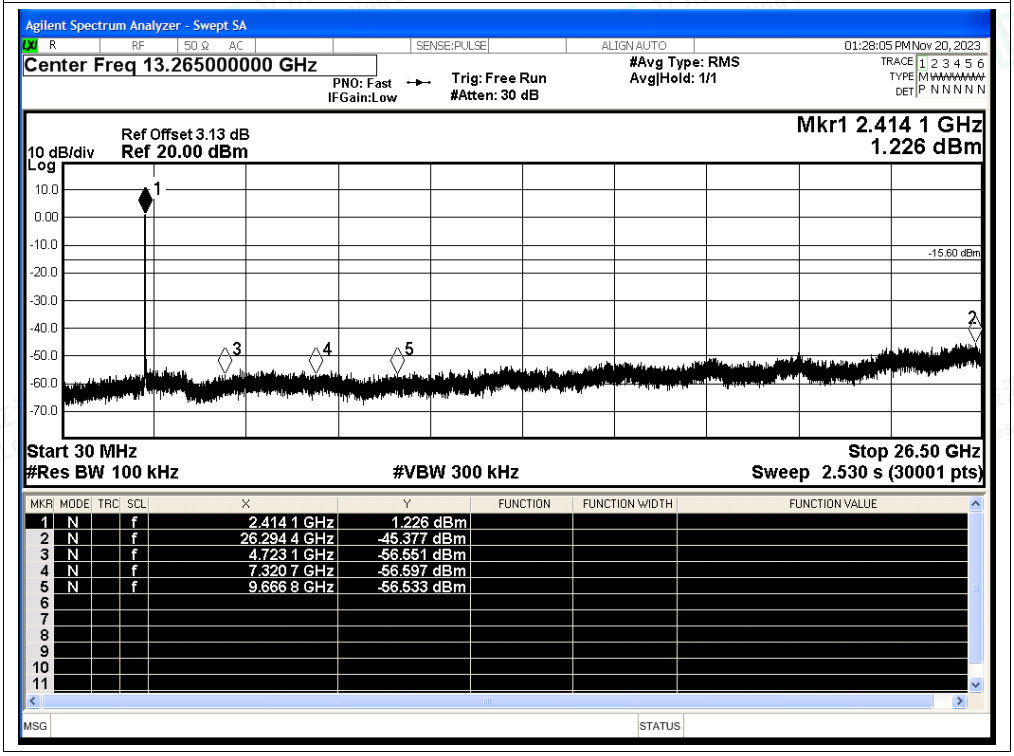


Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.78	-20	Pass
NVNT	b	2437	Ant1	-49.26	-20	Pass
NVNT	b	2462	Ant1	-50.07	-20	Pass
NVNT	g	2412	Ant1	-44.82	-20	Pass
NVNT	g	2437	Ant1	-43.39	-20	Pass
NVNT	g	2462	Ant1	-43.51	-20	Pass
NVNT	n20	2412	Ant1	-42.54	-20	Pass
NVNT	n20	2437	Ant1	-43.91	-20	Pass
NVNT	n20	2462	Ant1	-42.44	-20	Pass
NVNT	n40	2422	Ant1	-40.34	-20	Pass
NVNT	n40	2437	Ant1	-42.52	-20	Pass
NVNT	n40	2452	Ant1	-40.31	-20	Pass

Test Graphs

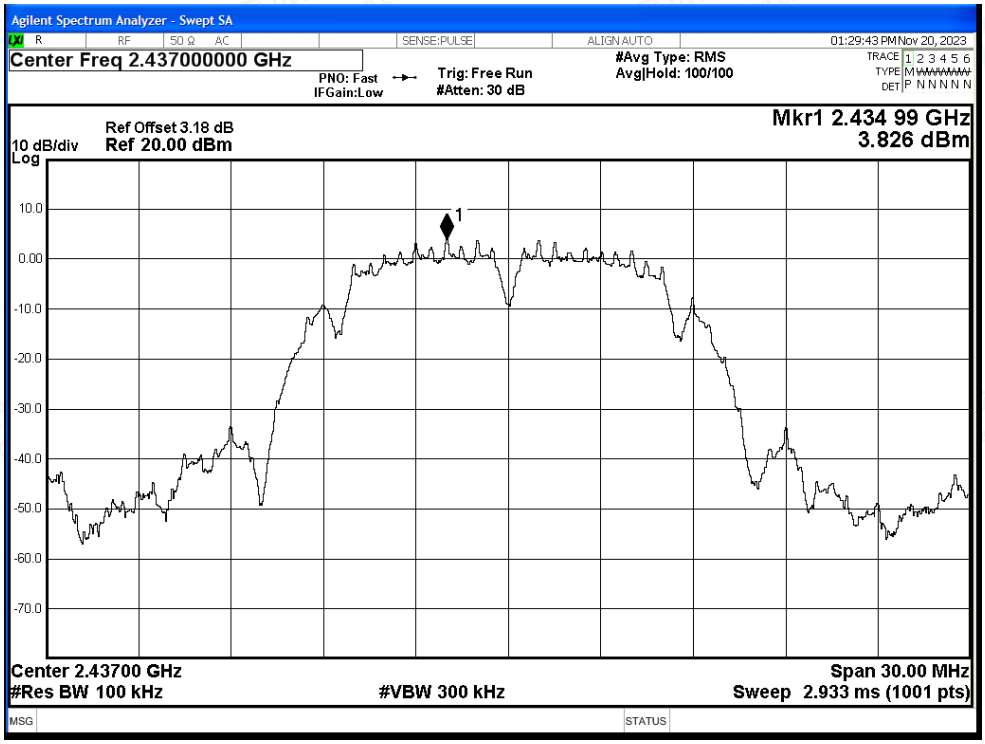
Tx. Spurious NVNT b 2412MHz Ant1 Ref

Tx. Spurious NVNT b 2412MHz Ant1 Emission

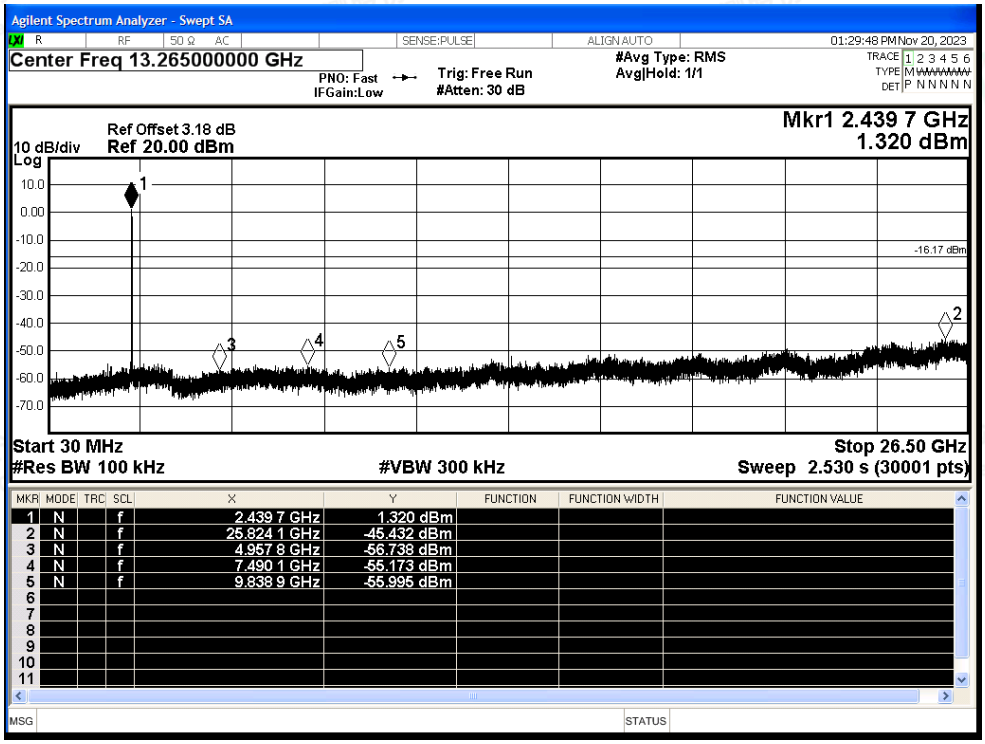


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.414 1 GHz	1.226 dBm			
2	N		f	26.294 4 GHz	-45.377 dBm			
3	N		f	4.723 1 GHz	-56.551 dBm			
4	N		f	7.320 7 GHz	-56.597 dBm			
5	N		f	9.666 8 GHz	-56.533 dBm			
6								
7								
8								
9								
10								
11								

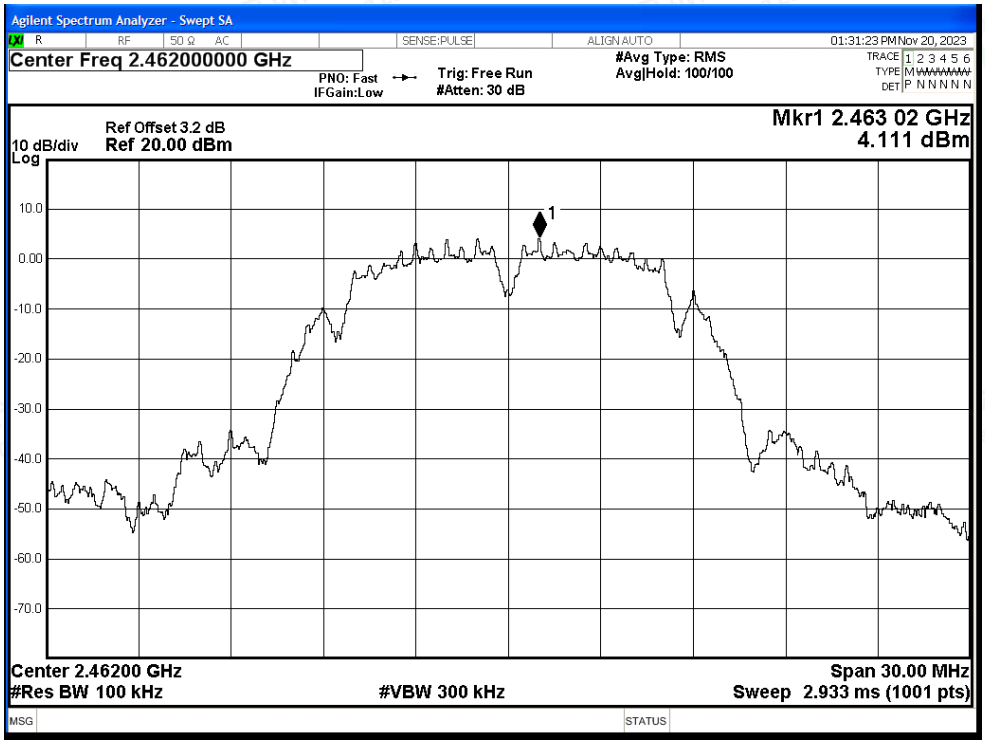
Tx. Spurious NVNT b 2437MHz Ant1 Ref



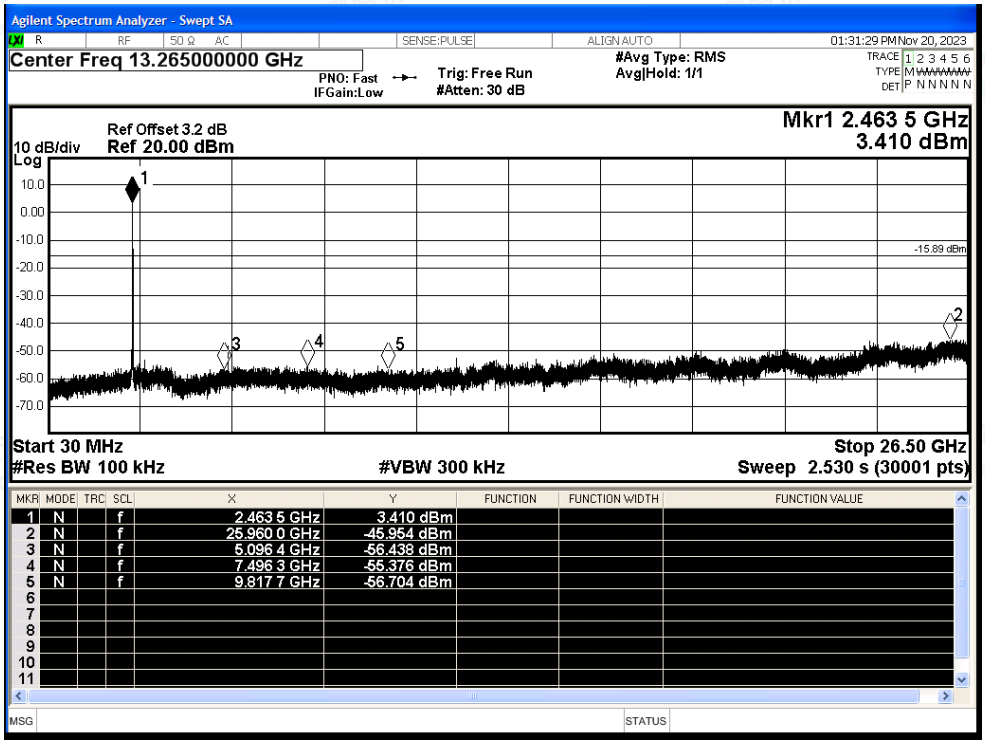
Tx. Spurious NVNT b 2437MHz Ant1 Emission



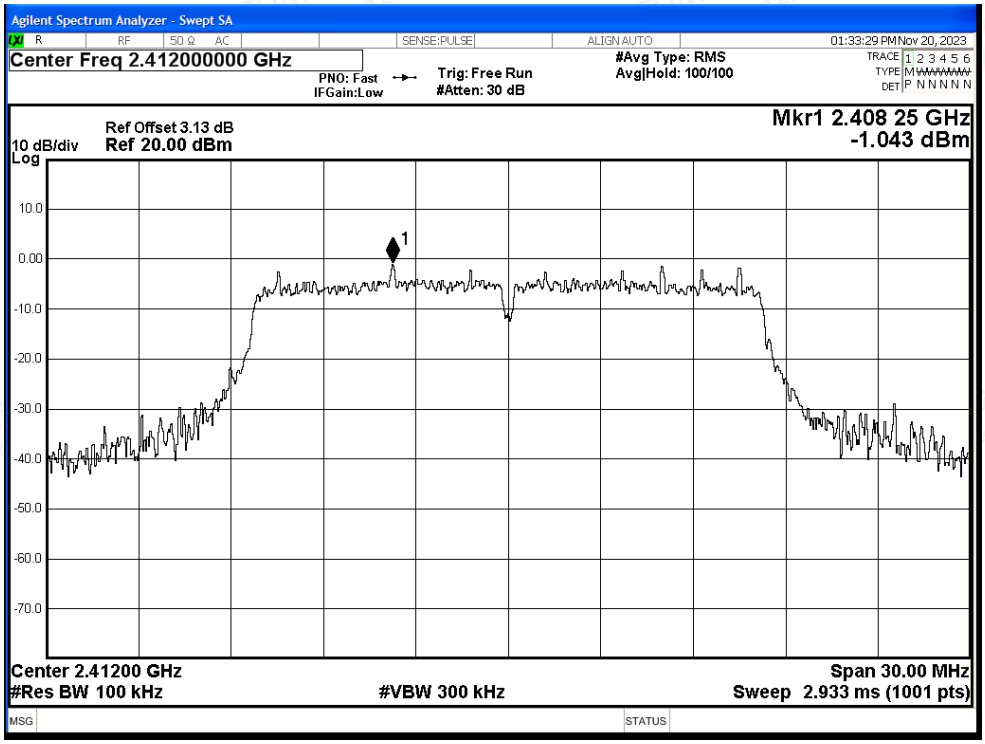
Tx. Spurious NVNT b 2462MHz Ant1 Ref



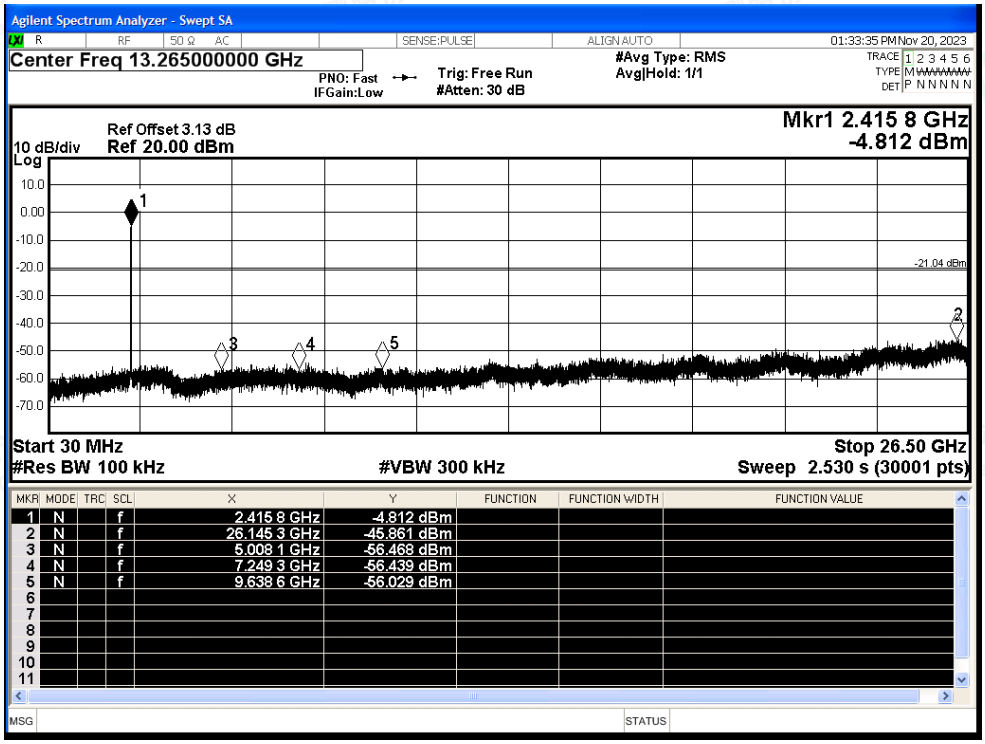
Tx. Spurious NVNT b 2462MHz Ant1 Emission



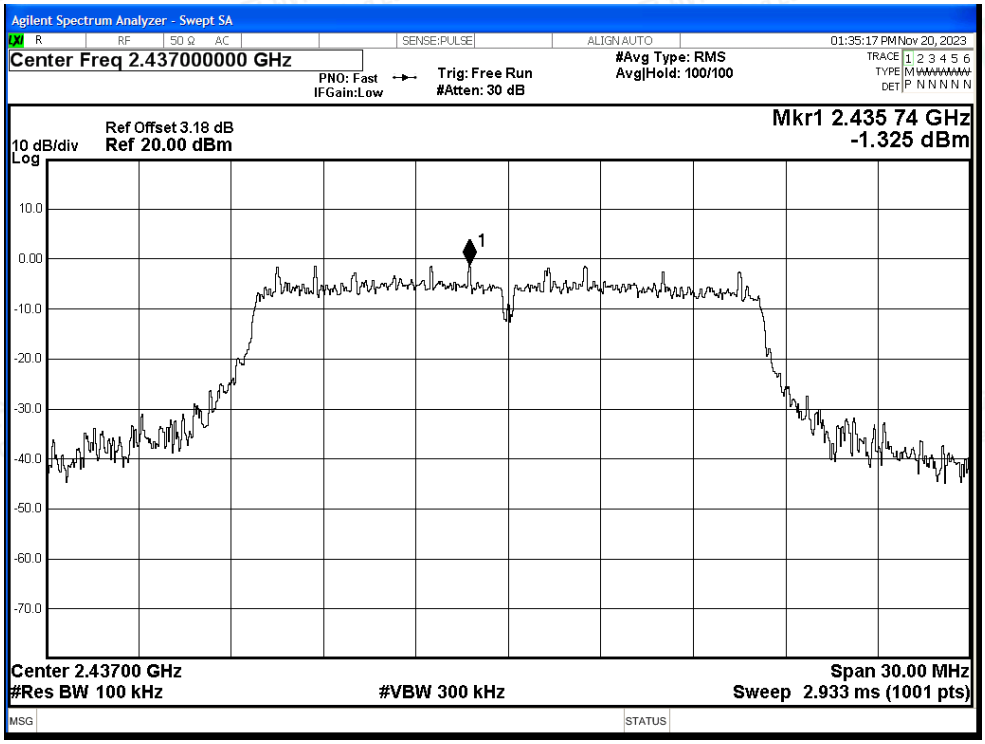
Tx. Spurious NVNT g 2412MHz Ant1 Ref



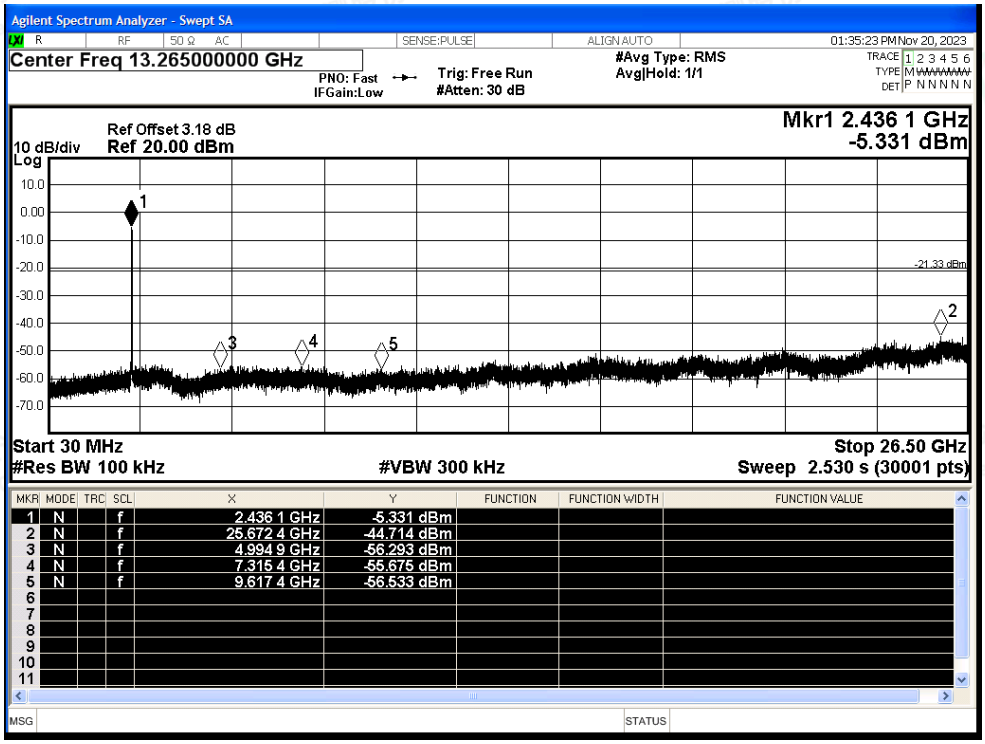
Tx. Spurious NVNT g 2412MHz Ant1 Emission



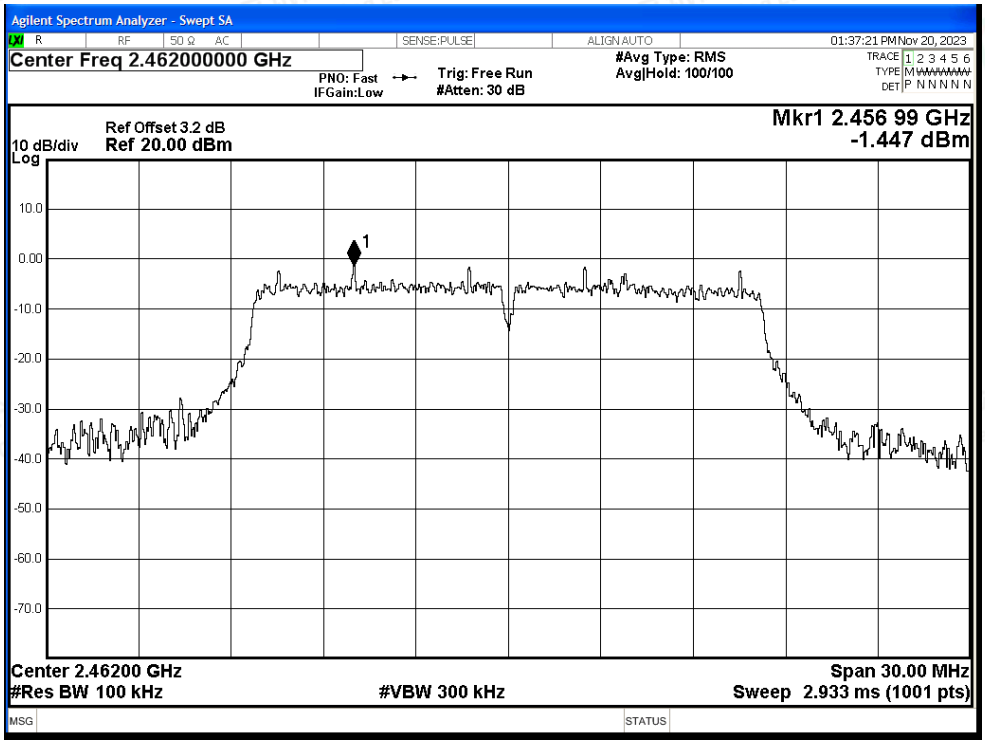
Tx. Spurious NVNT g 2437MHz Ant1 Ref



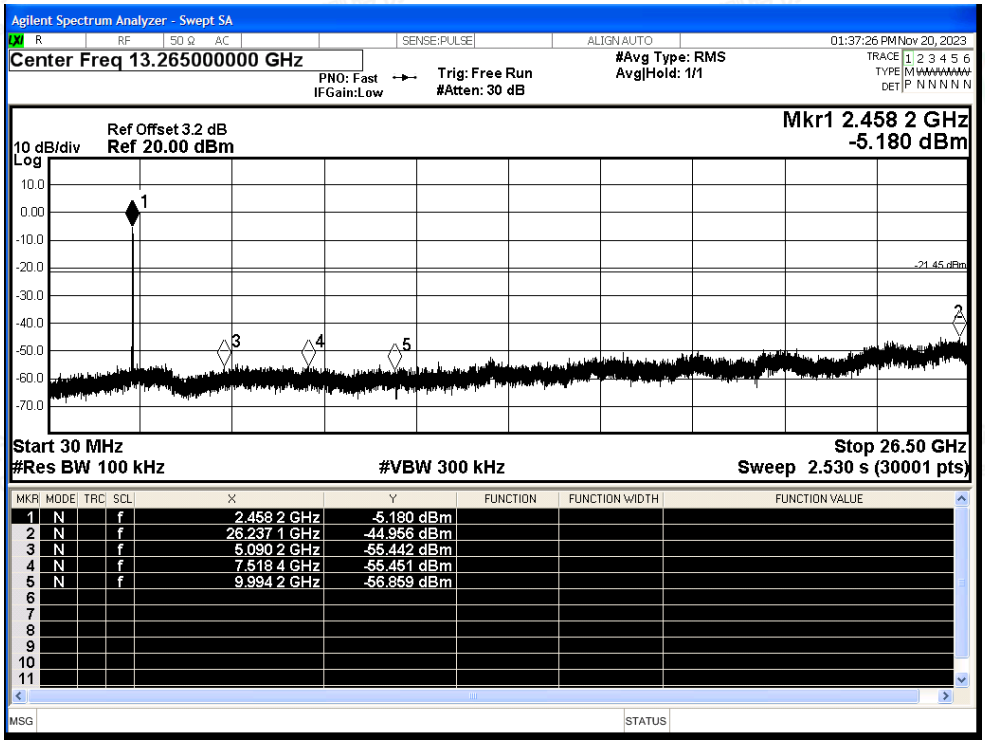
Tx. Spurious NVNT g 2437MHz Ant1 Emission



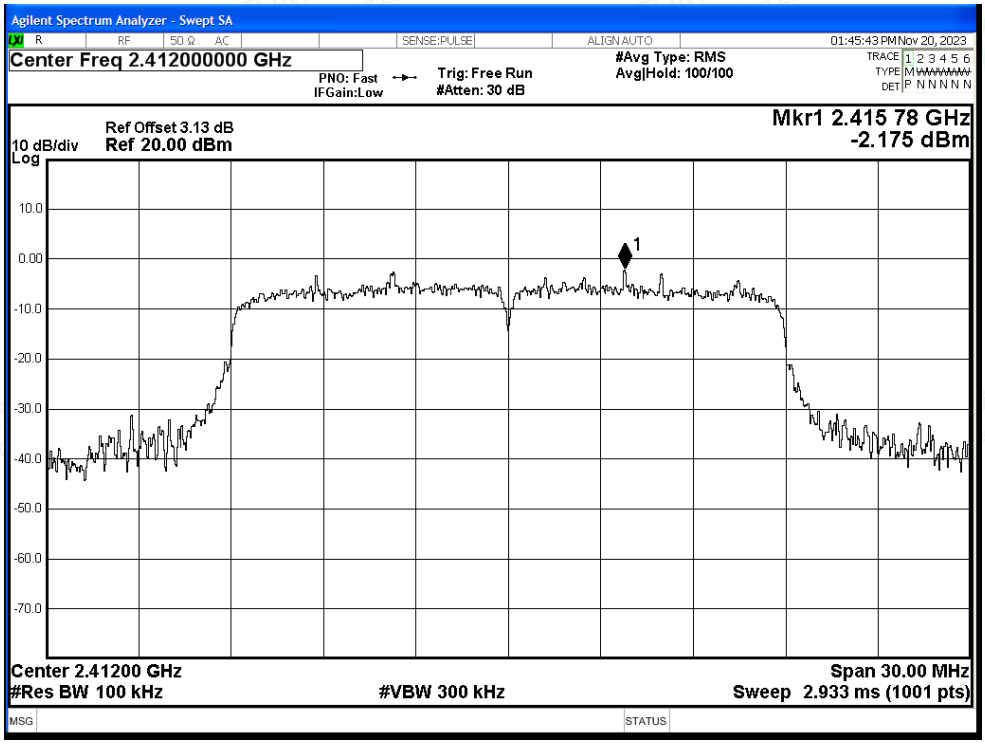
Tx. Spurious NVNT g 2462MHz Ant1 Ref



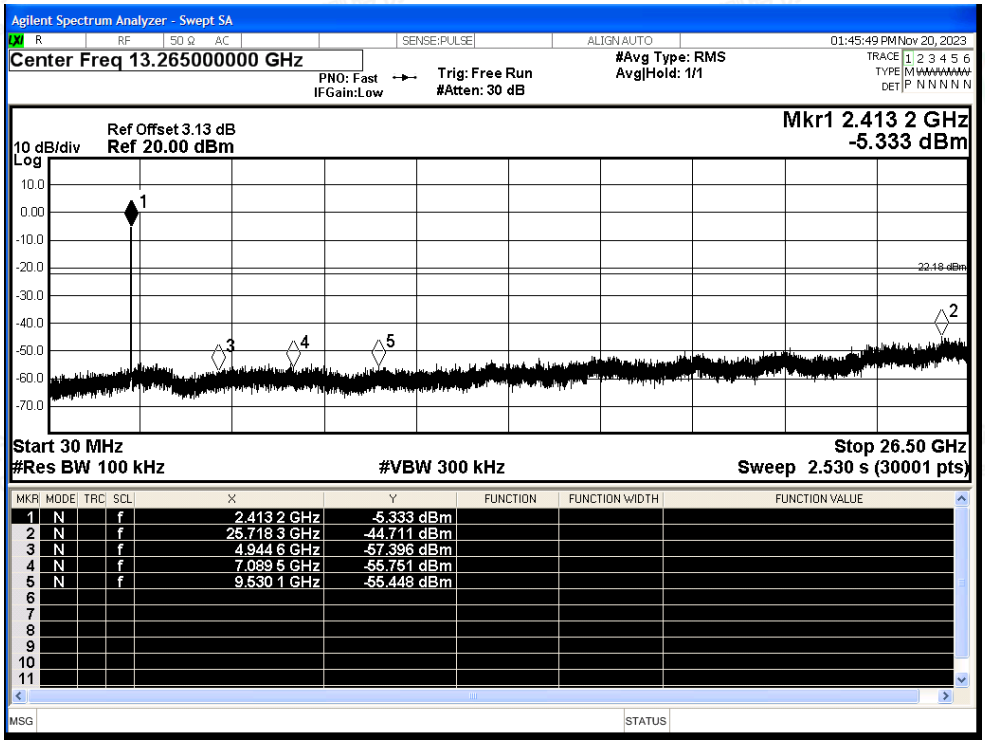
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Tx. Spurious NVNT n20 2412MHz Ant1 Emission



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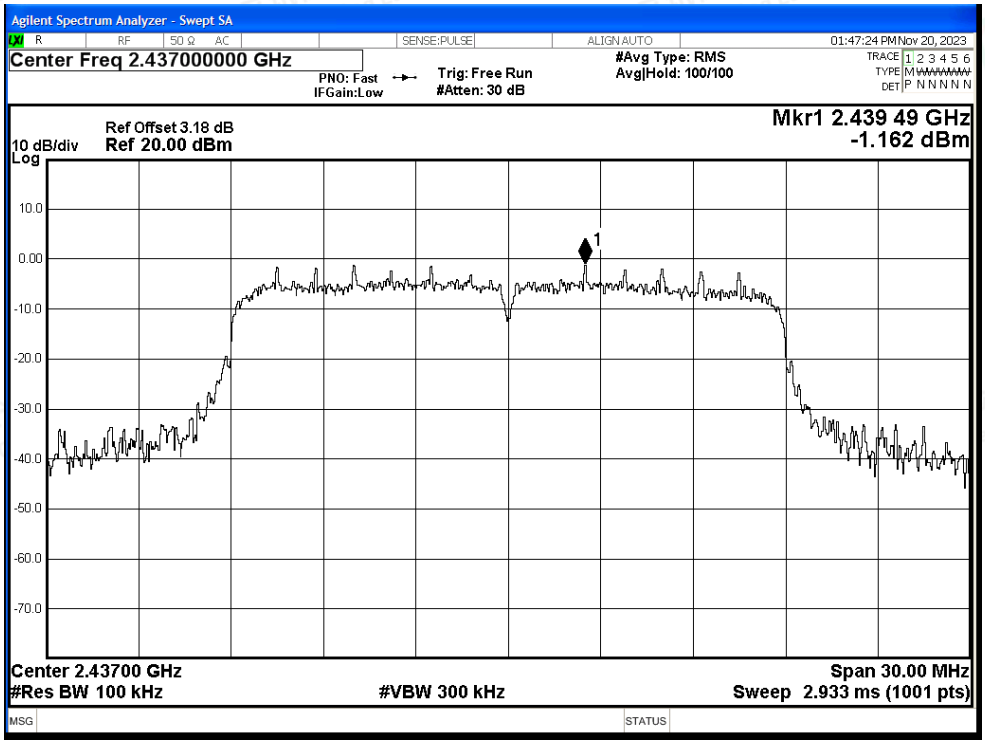

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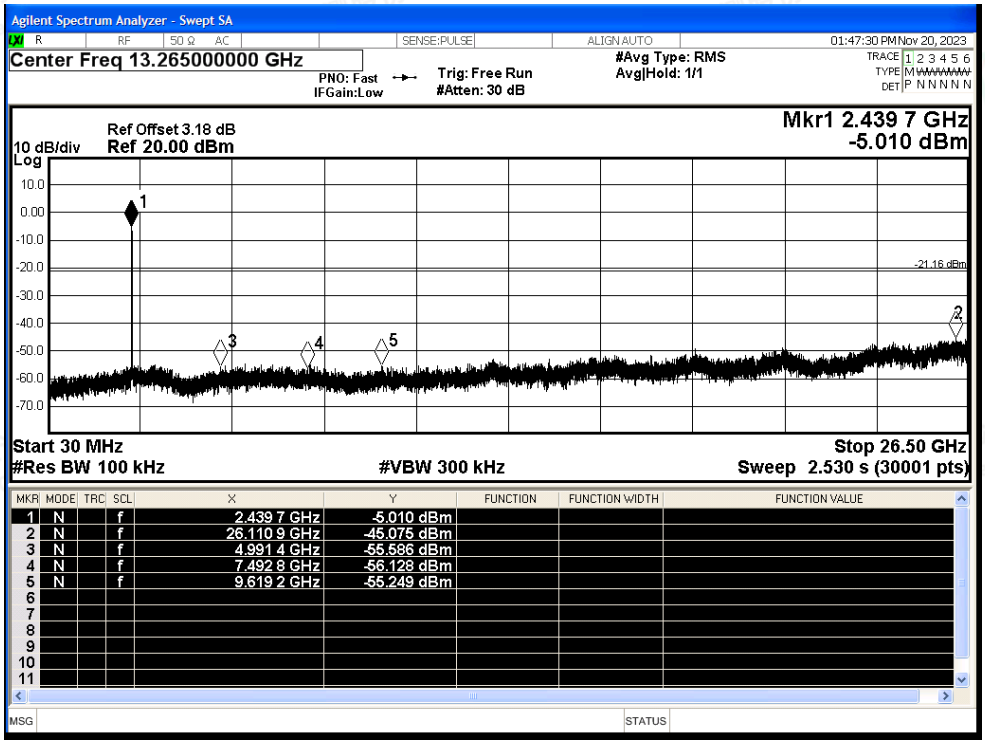
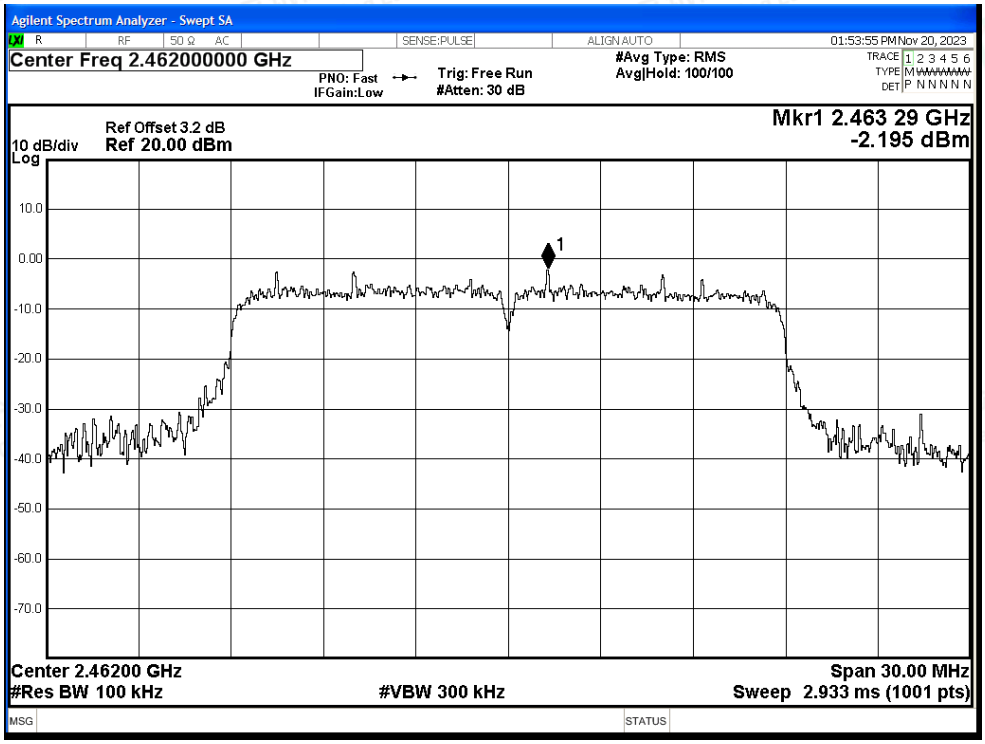
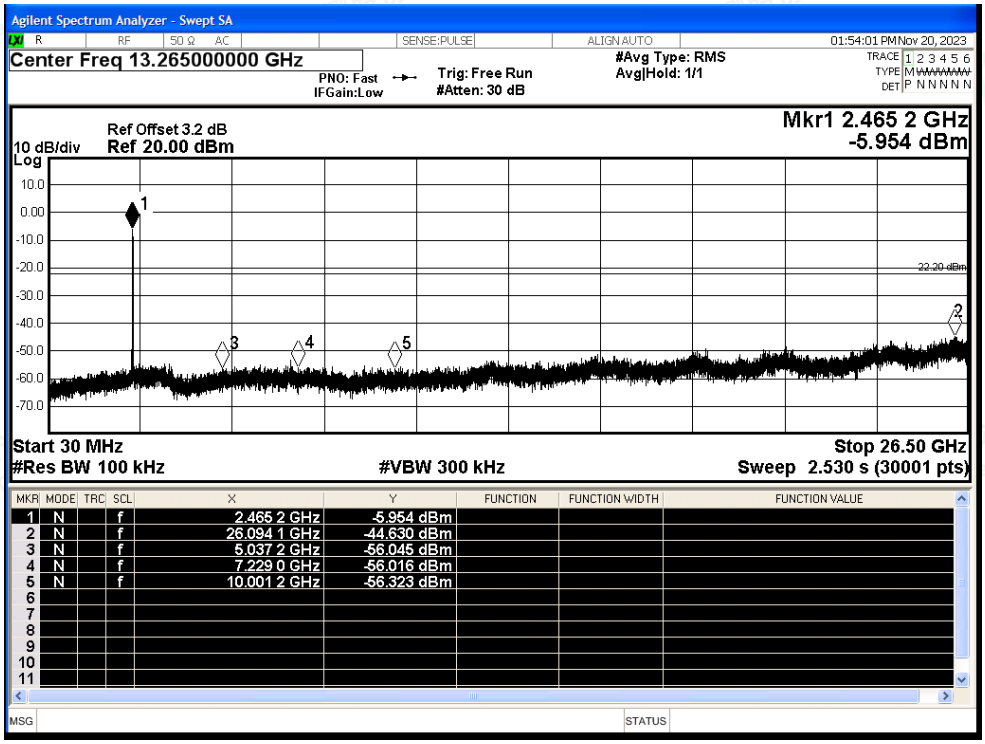


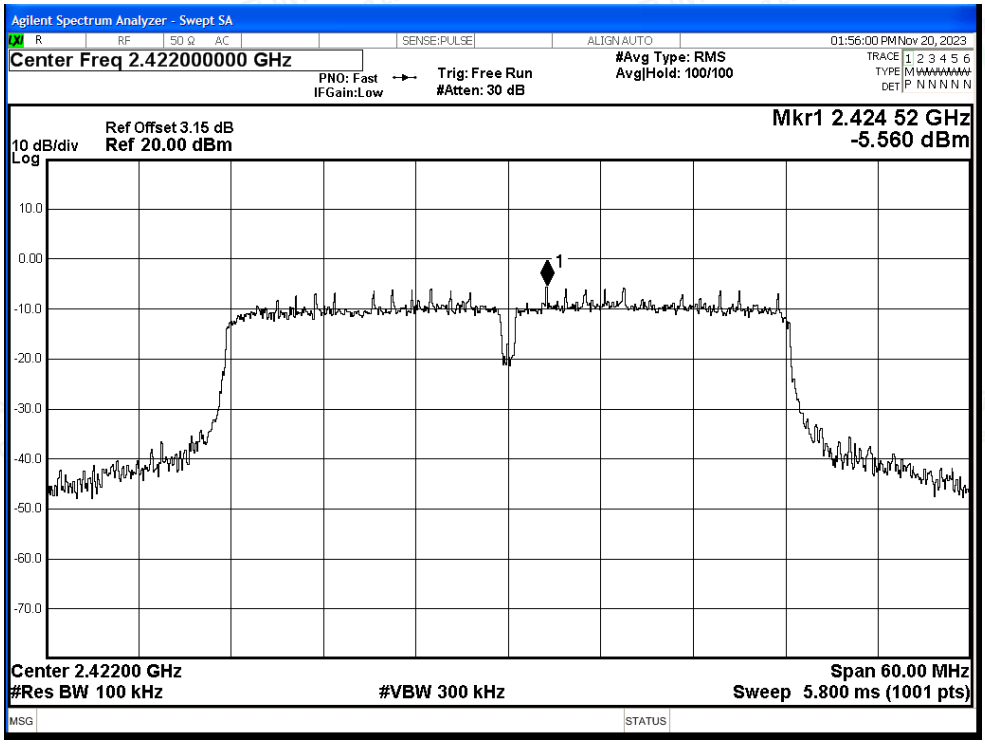
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



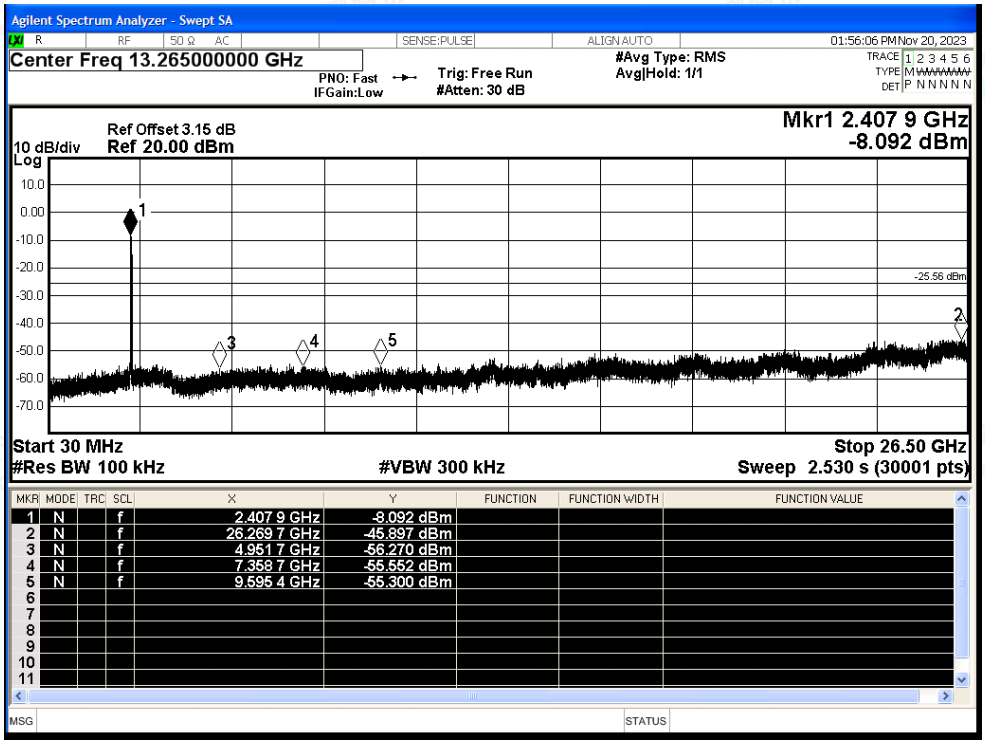
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



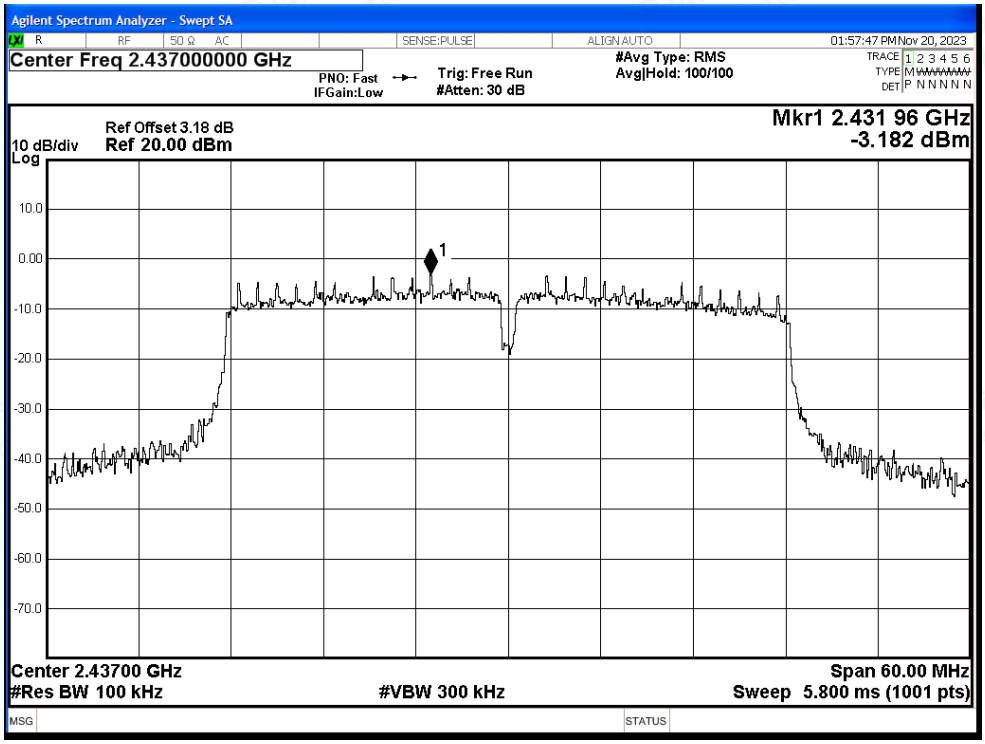
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



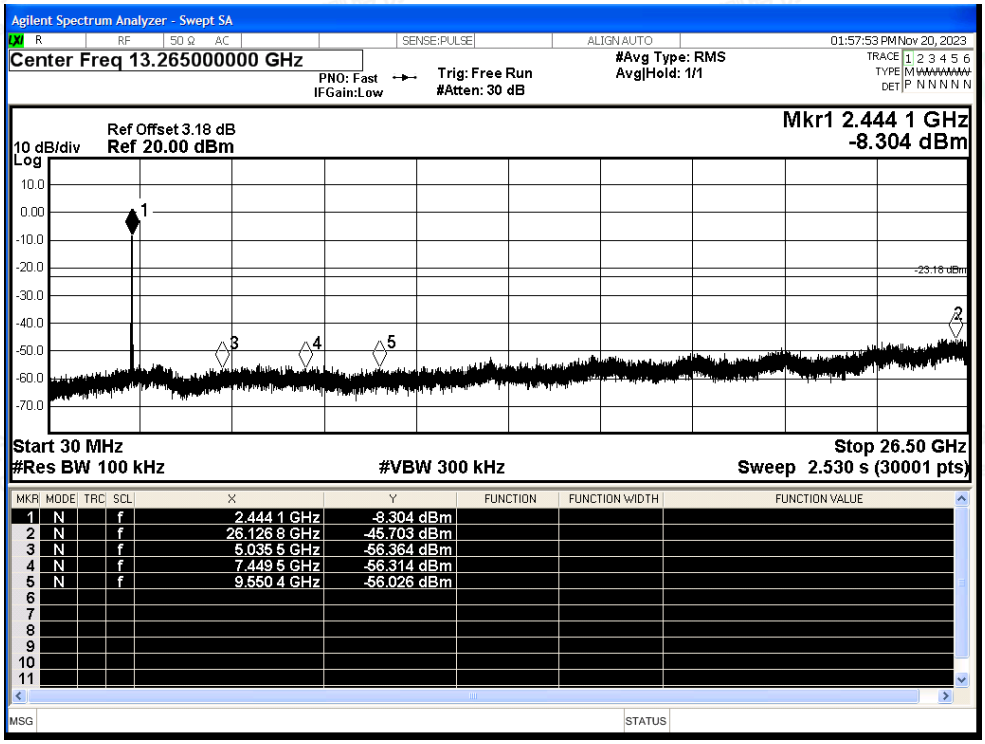
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



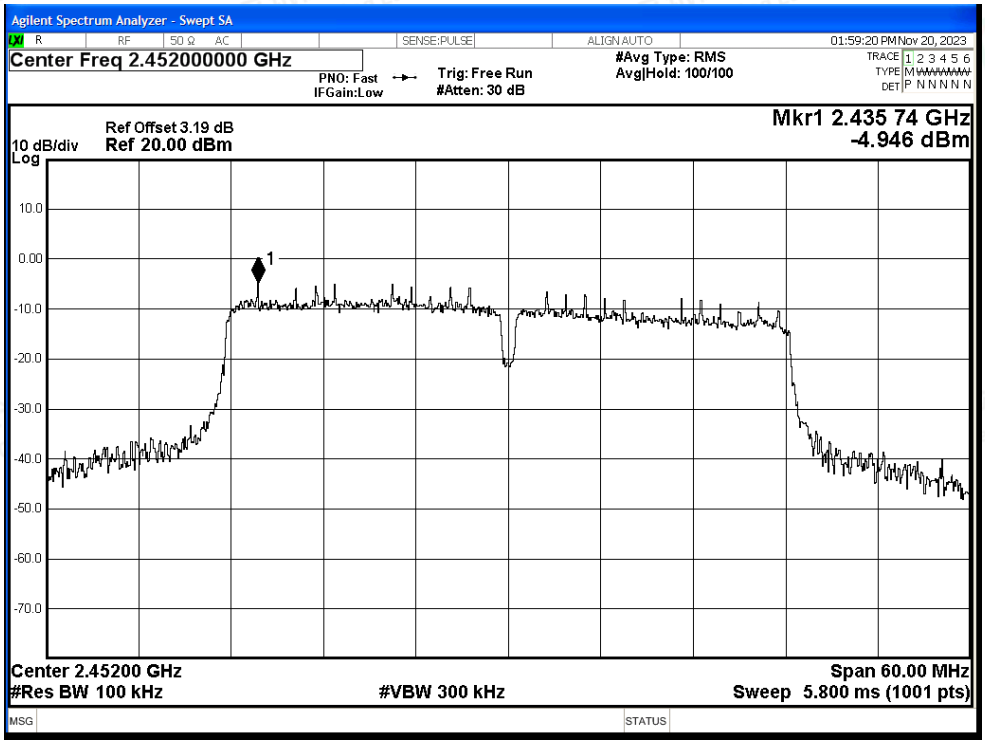
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



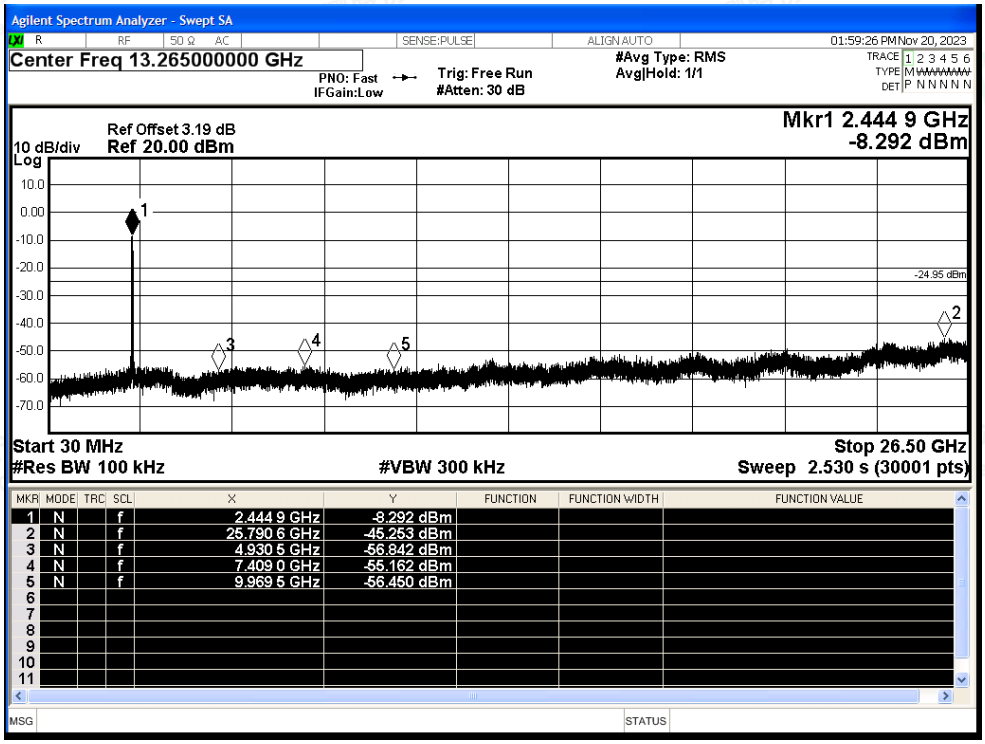
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

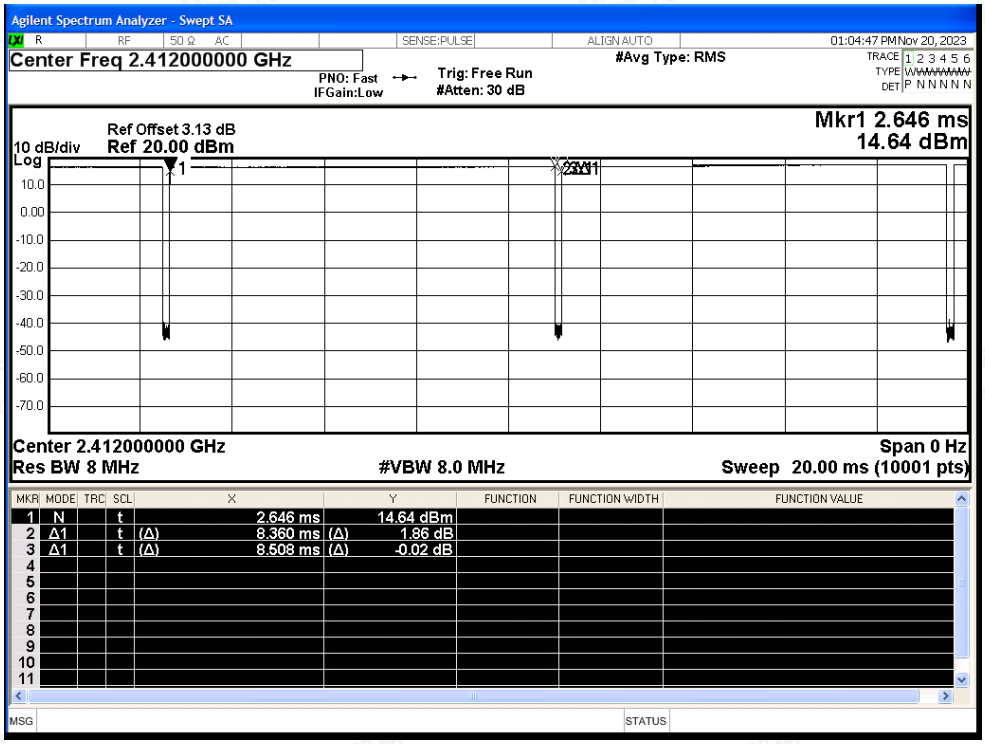


C.6 Duty Cycle

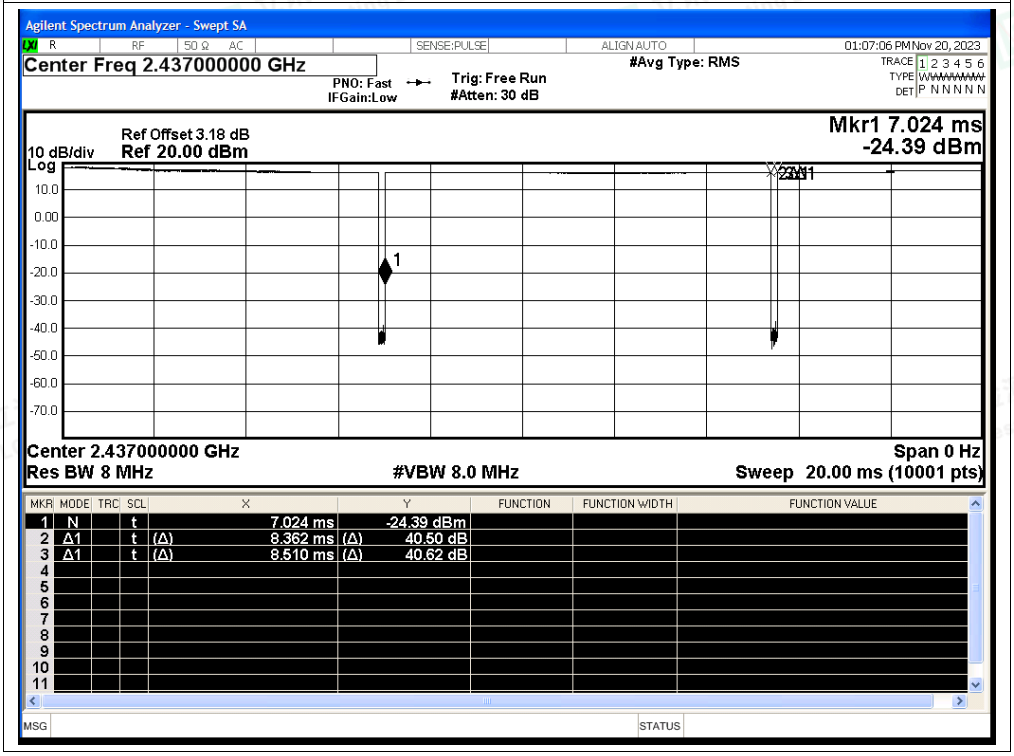
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant0	98.26	0	0.12
NVNT	b	2437	Ant0	98.26	0	0.12
NVNT	b	2462	Ant0	98.28	0	0.12
NVNT	g	2412	Ant0	90.13	0.45	0.72
NVNT	g	2437	Ant0	90.13	0.45	0.72
NVNT	g	2462	Ant0	88.97	0.51	0.72
NVNT	n20	2412	Ant0	88.5	0.53	0.85
NVNT	n20	2437	Ant0	88.5	0.53	0.85
NVNT	n20	2462	Ant0	89.19	0.5	0.85
NVNT	n40	2422	Ant0	80.22	0.96	1.71
NVNT	n40	2437	Ant0	80.44	0.95	1.71
NVNT	n40	2452	Ant0	80.33	0.95	1.71

Test Graphs

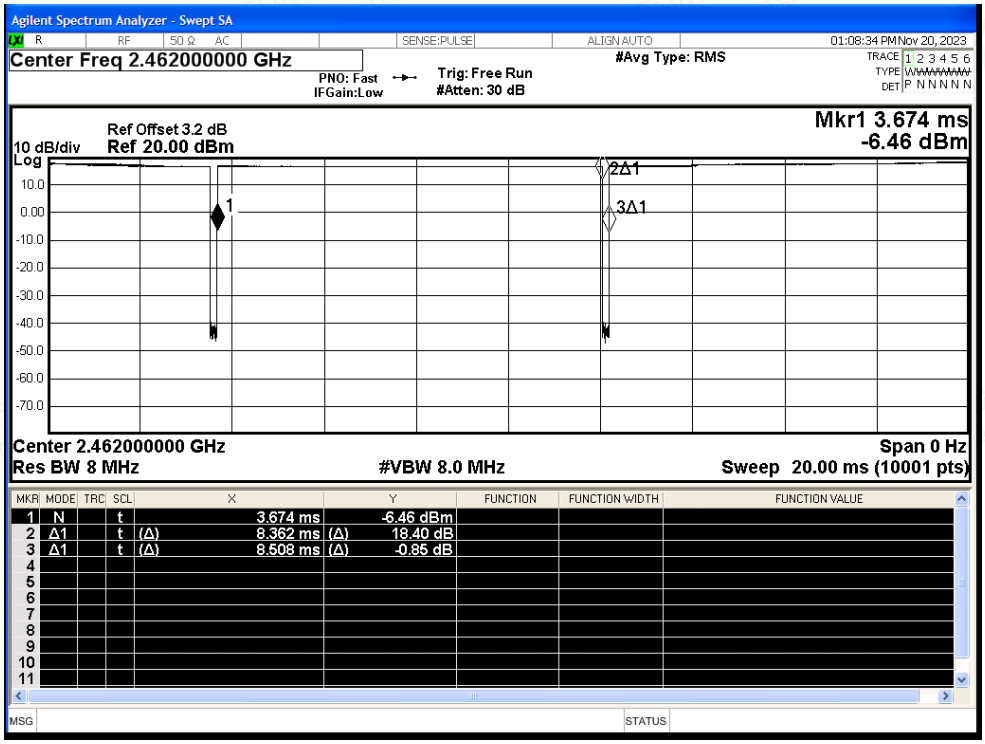
Duty Cycle NVNT b 2412MHz Ant0



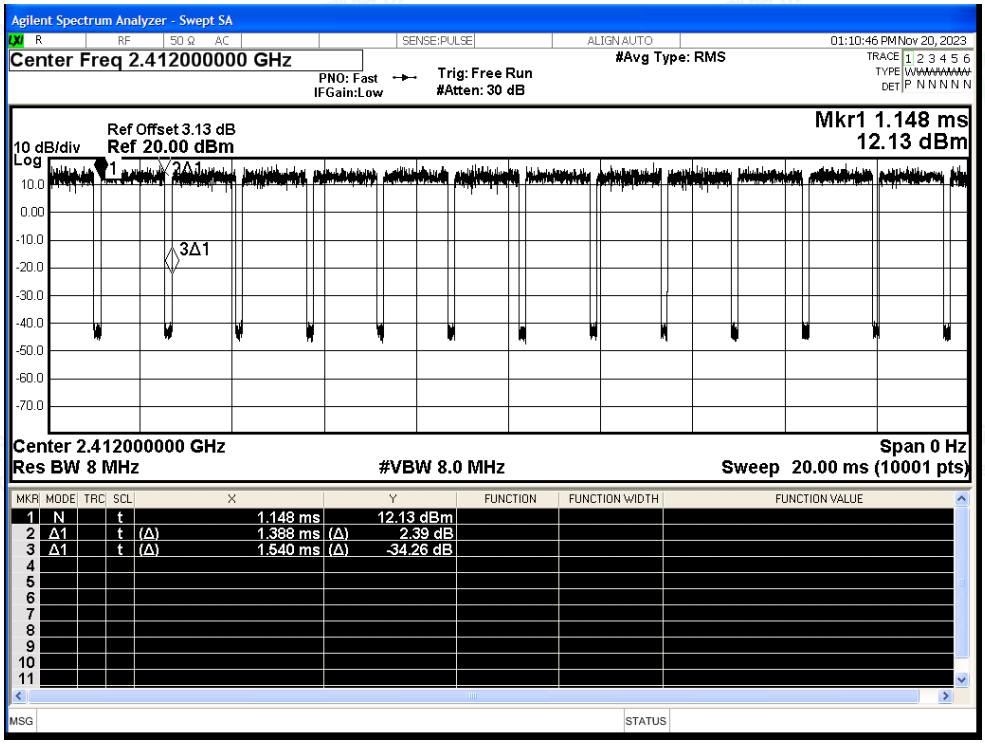
Duty Cycle NVNT b 2437MHz Ant0



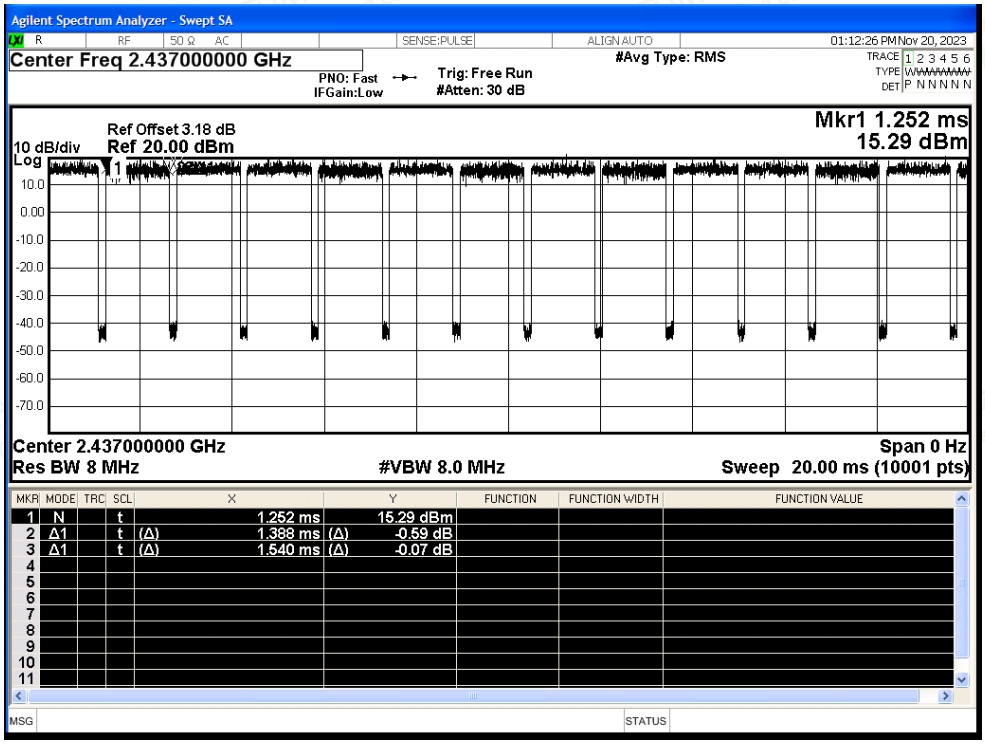
Duty Cycle NVNT b 2462MHz Ant0



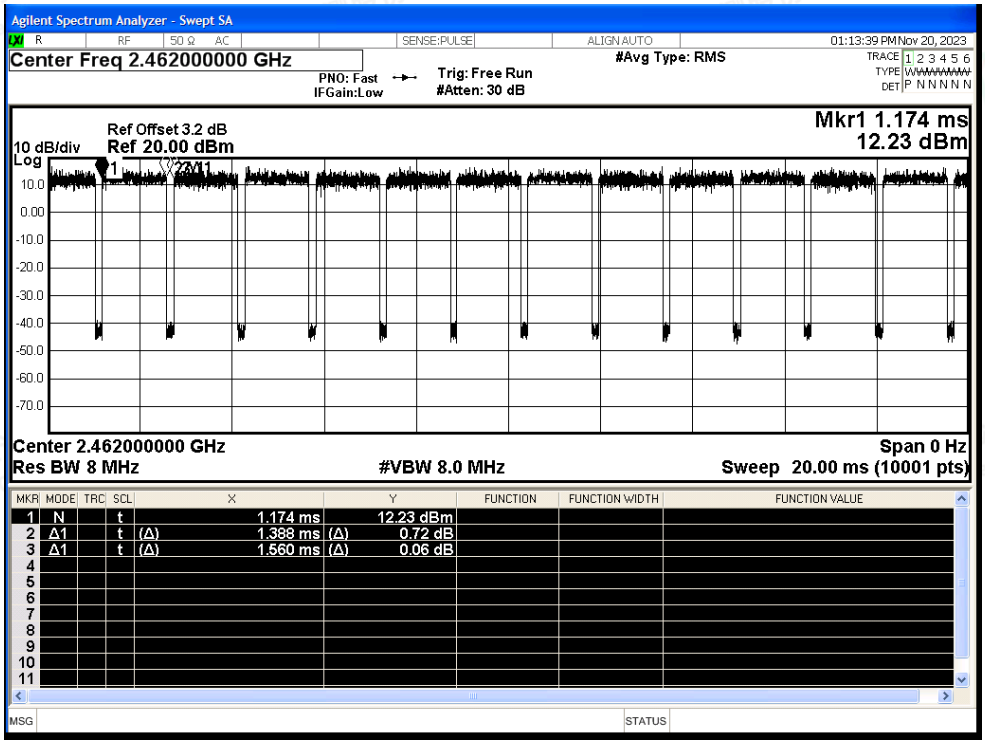
Duty Cycle NVNT g 2412MHz Ant0



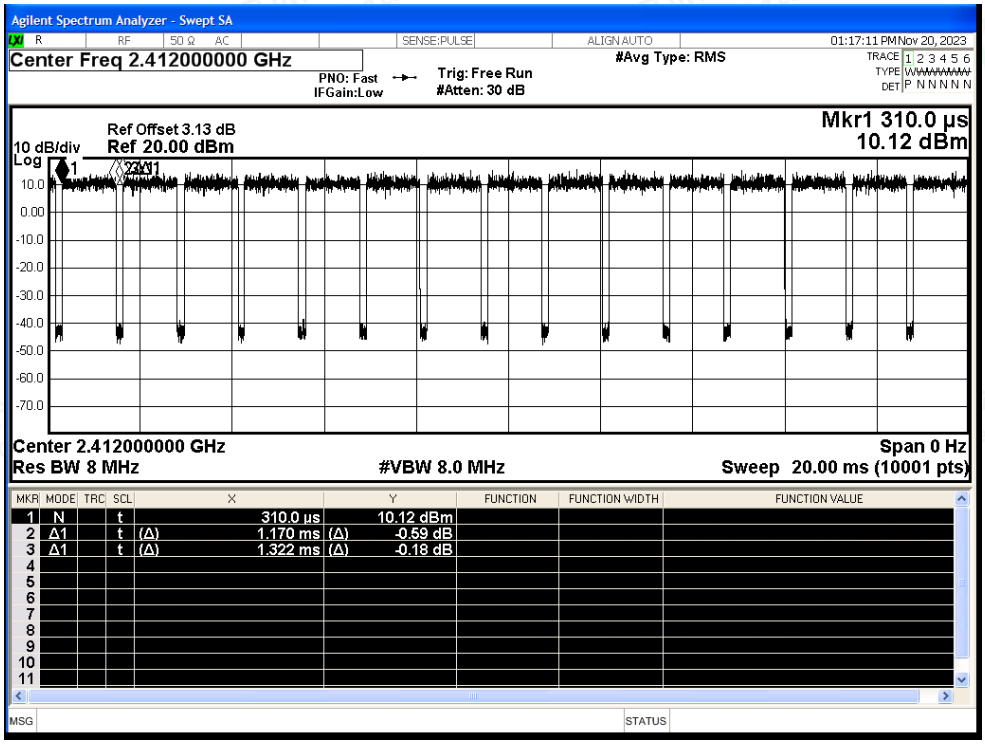
Duty Cycle NVNT g 2437MHz Ant0



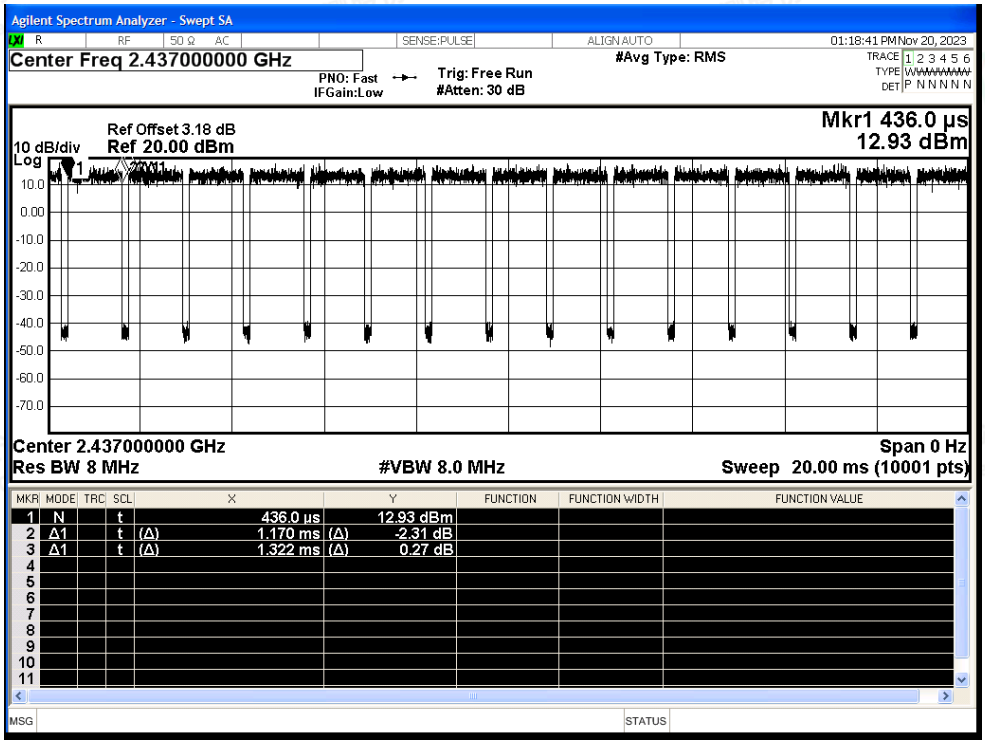
Duty Cycle NVNT g 2462MHz Ant0



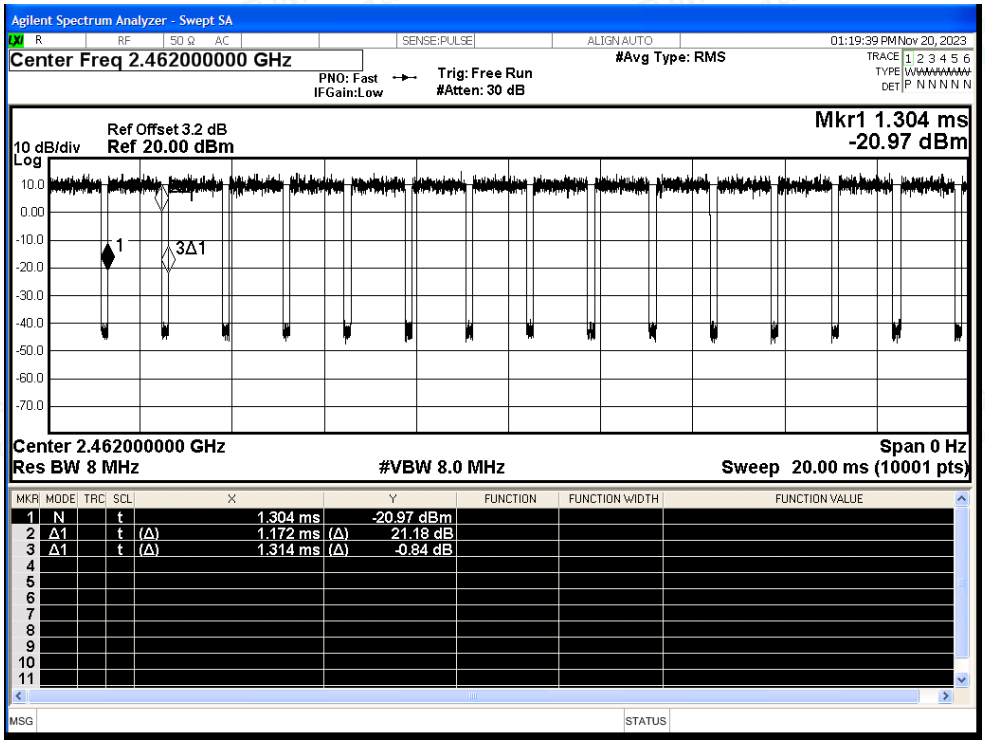
Duty Cycle NVNT n20 2412MHz Ant0



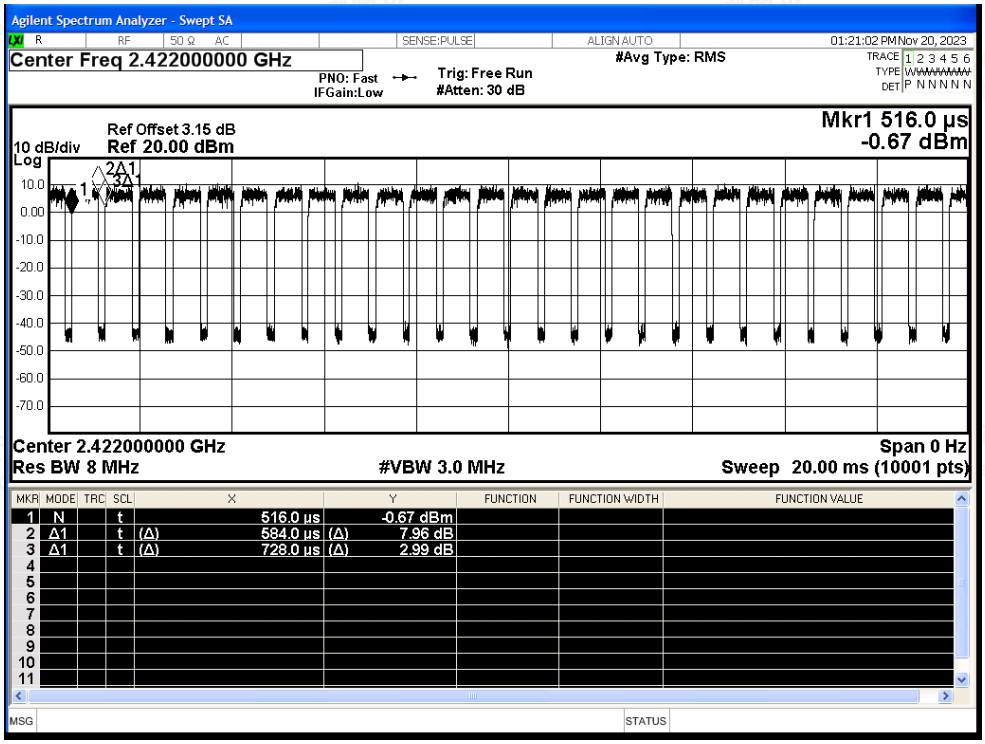
Duty Cycle NVNT n20 2437MHz Ant0



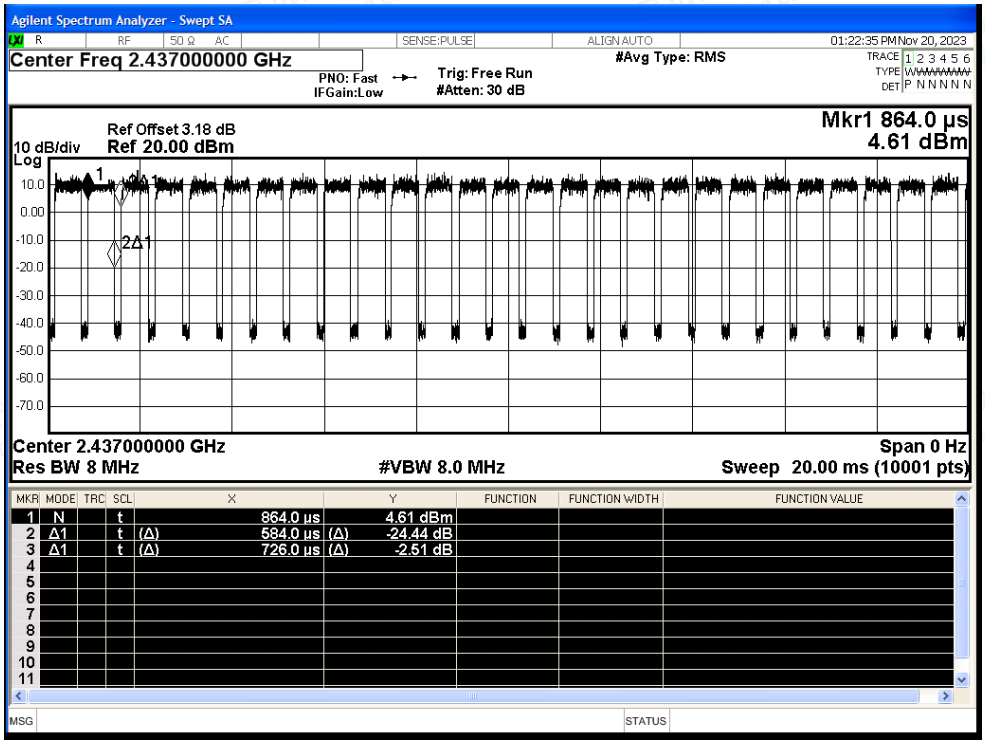
Duty Cycle NVNT n20 2462MHz Ant0



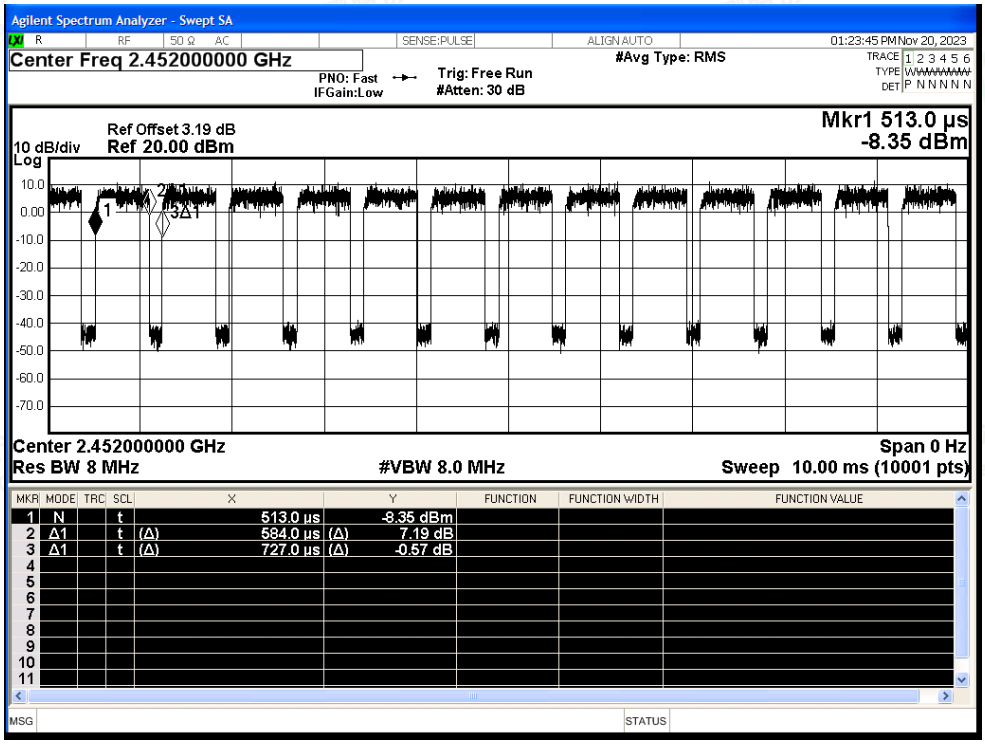
Duty Cycle NVNT n40 2422MHz Ant0



Duty Cycle NVNT n40 2437MHz Ant0



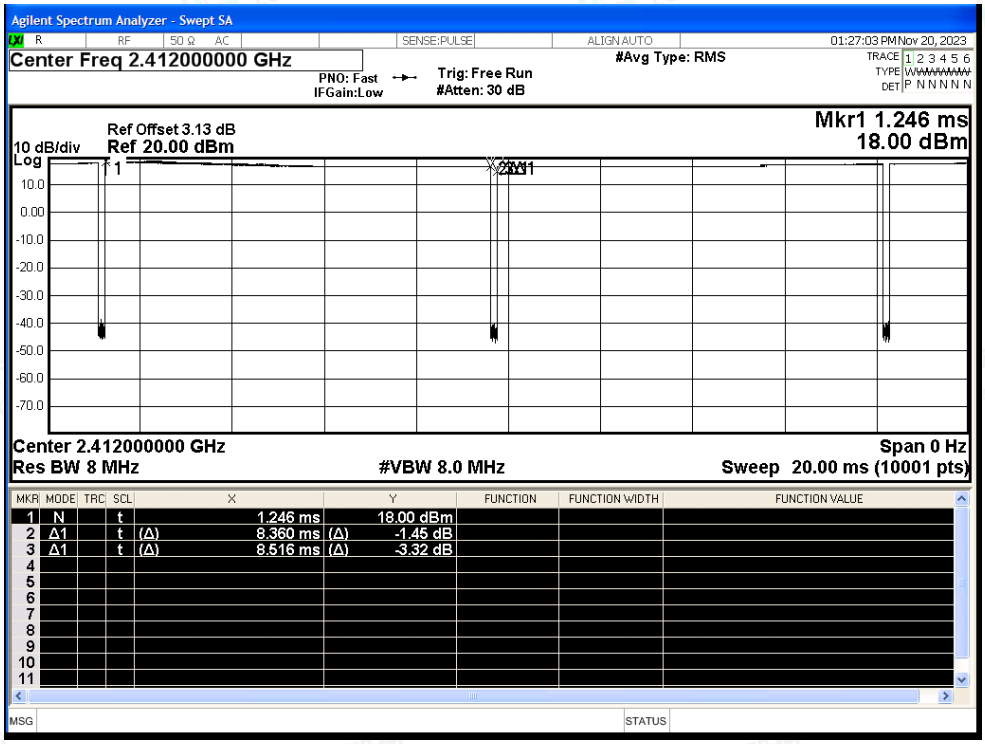
Duty Cycle NVNT n40 2452MHz Ant0



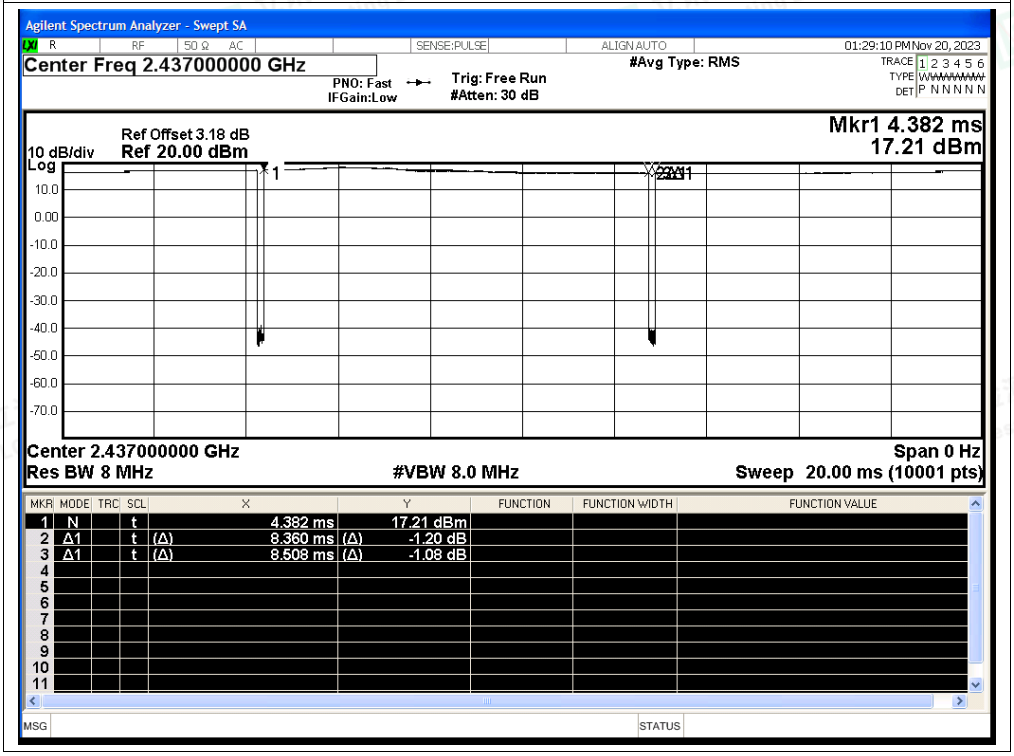
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.17	0	0.12
NVNT	b	2437	Ant1	98.26	0	0.12
NVNT	b	2462	Ant1	98.19	0	0.12
NVNT	g	2412	Ant1	90.01	0.46	0.72
NVNT	g	2437	Ant1	90.13	0.45	0.72
NVNT	g	2462	Ant1	90.6	0.43	0.72
NVNT	n20	2412	Ant1	88.5	0.53	0.85
NVNT	n20	2437	Ant1	88.52	0.53	0.85
NVNT	n20	2462	Ant1	88.37	0.54	0.85
NVNT	n40	2422	Ant1	79.35	1	1.71
NVNT	n40	2437	Ant1	80.22	0.96	1.71
NVNT	n40	2452	Ant1	78.39	1.06	1.71

Test Graphs

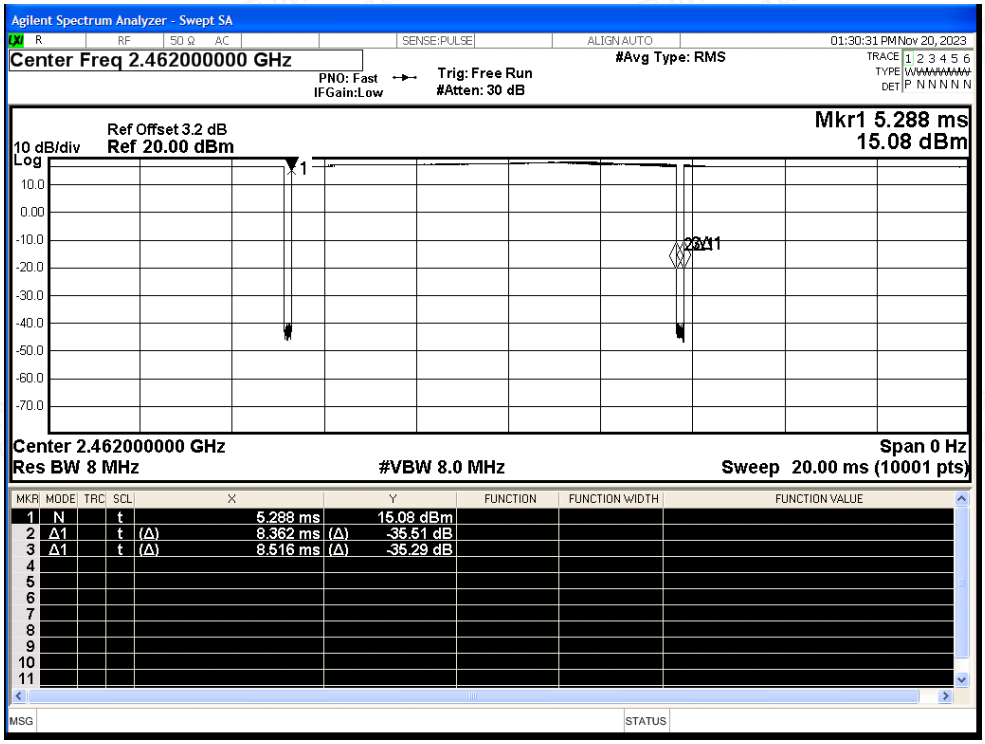
Duty Cycle NVNT b 2412MHz Ant1



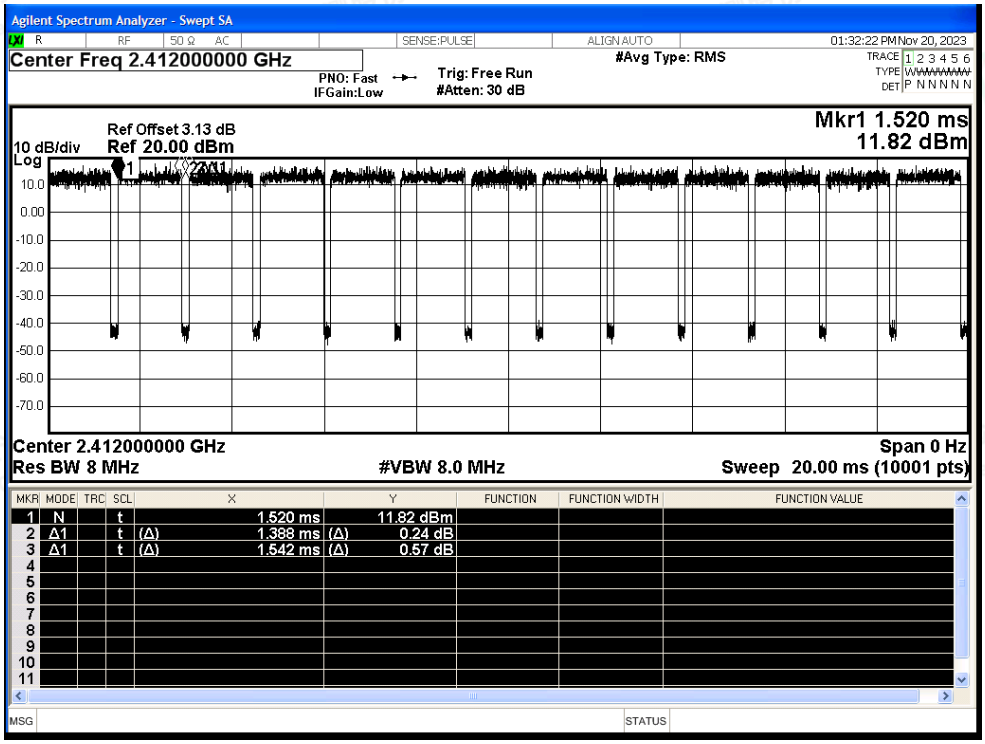
Duty Cycle NVNT b 2437MHz Ant1



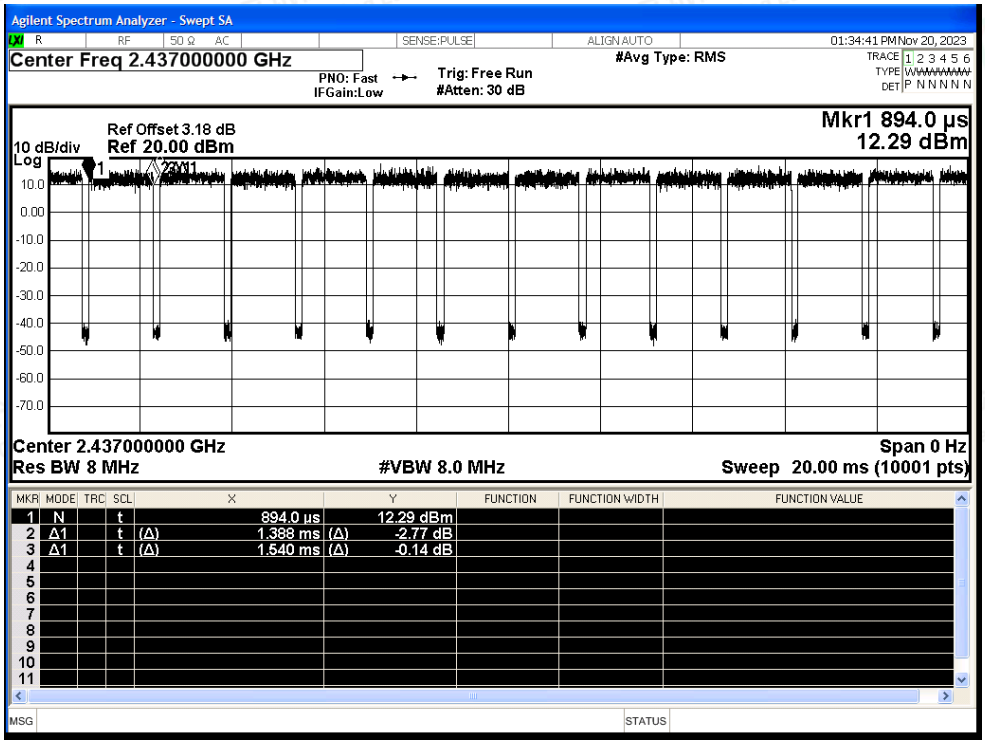
Duty Cycle NVNT b 2462MHz Ant1



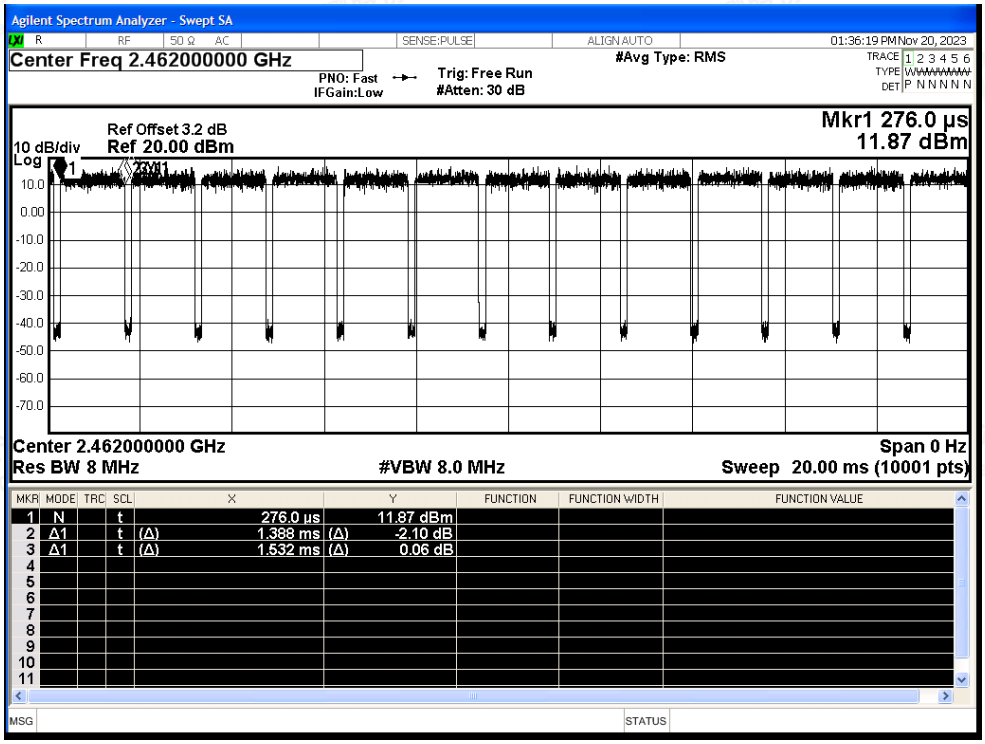
Duty Cycle NVNT g 2412MHz Ant1



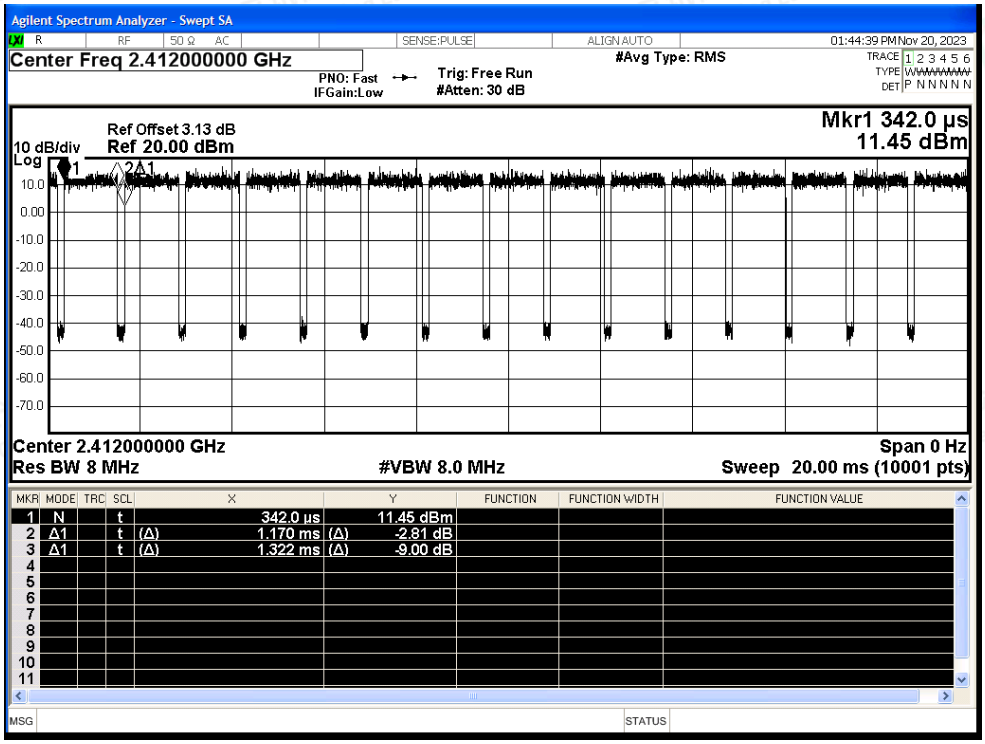
Duty Cycle NVNT g 2437MHz Ant1



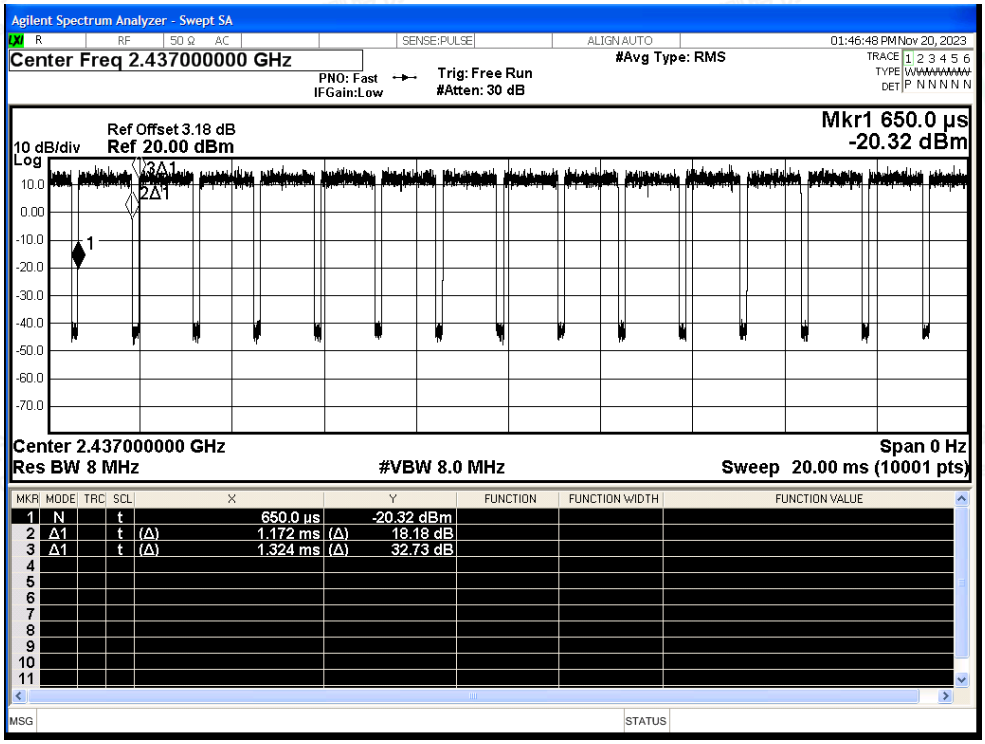
Duty Cycle NVNT g 2462MHz Ant1



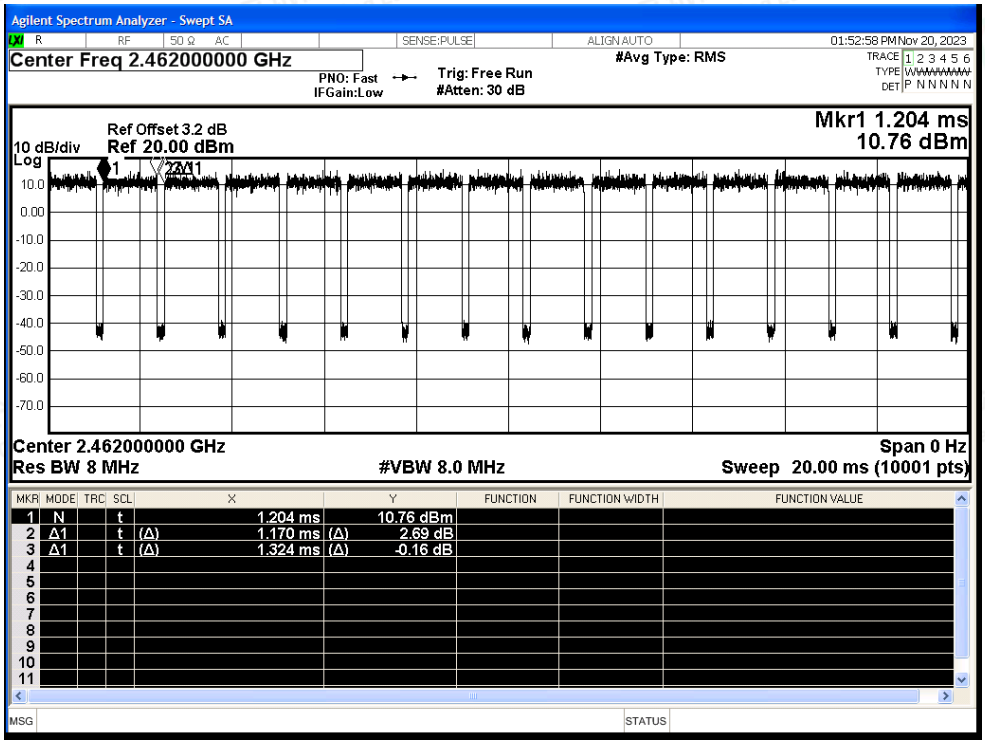
Duty Cycle NVNT n20 2412MHz Ant1



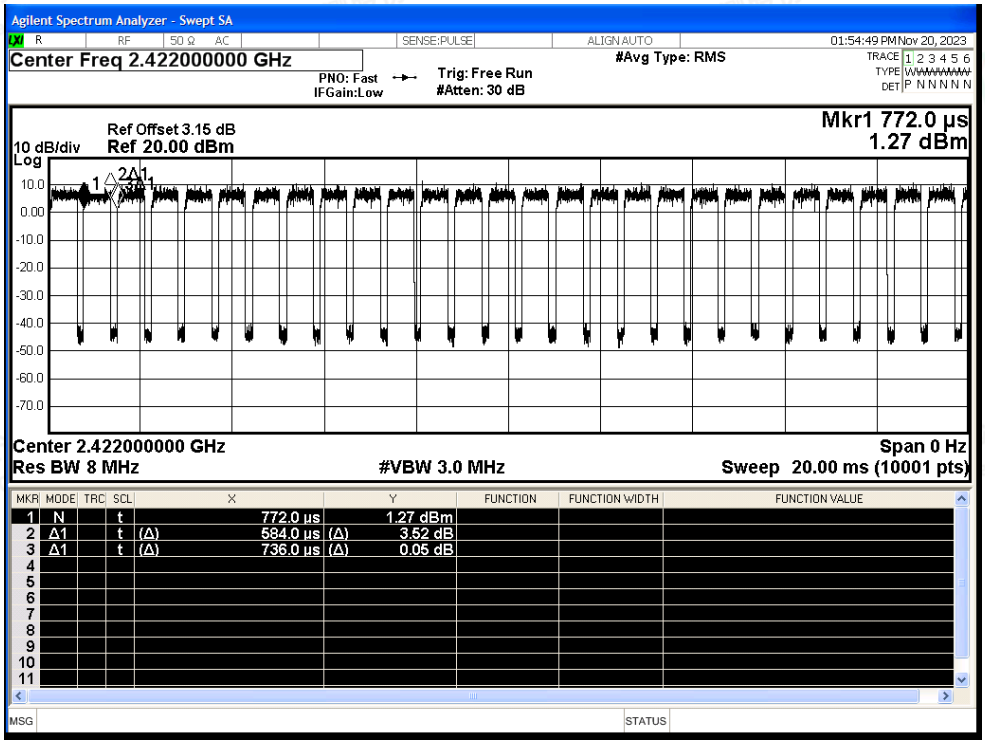
Duty Cycle NVNT n20 2437MHz Ant1



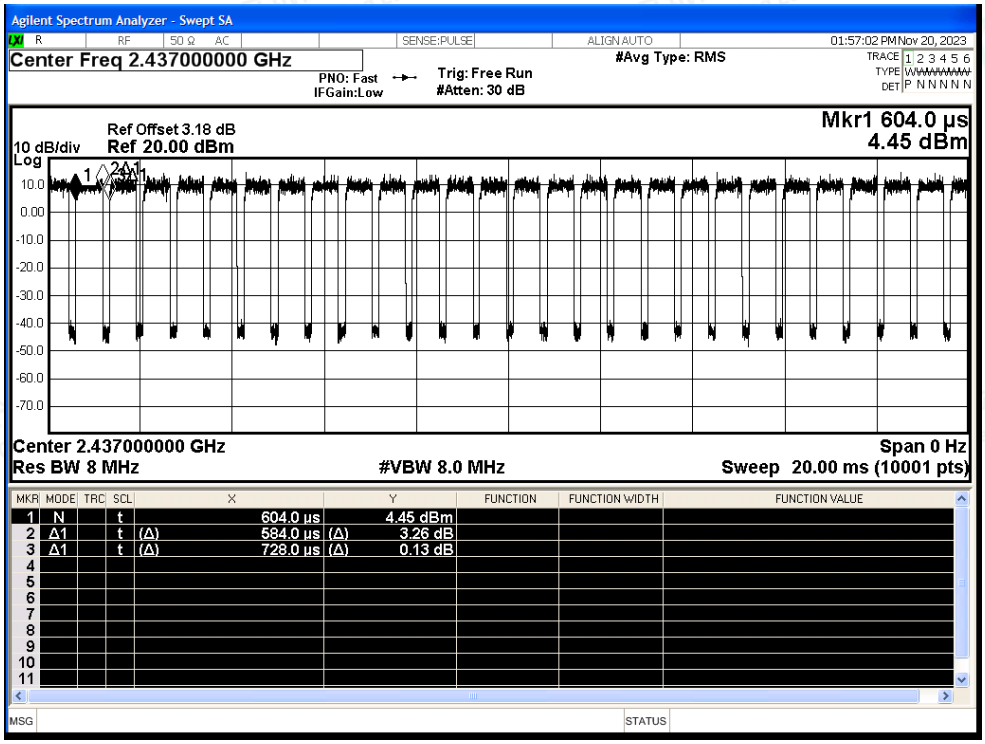
Duty Cycle NVNT n20 2462MHz Ant1



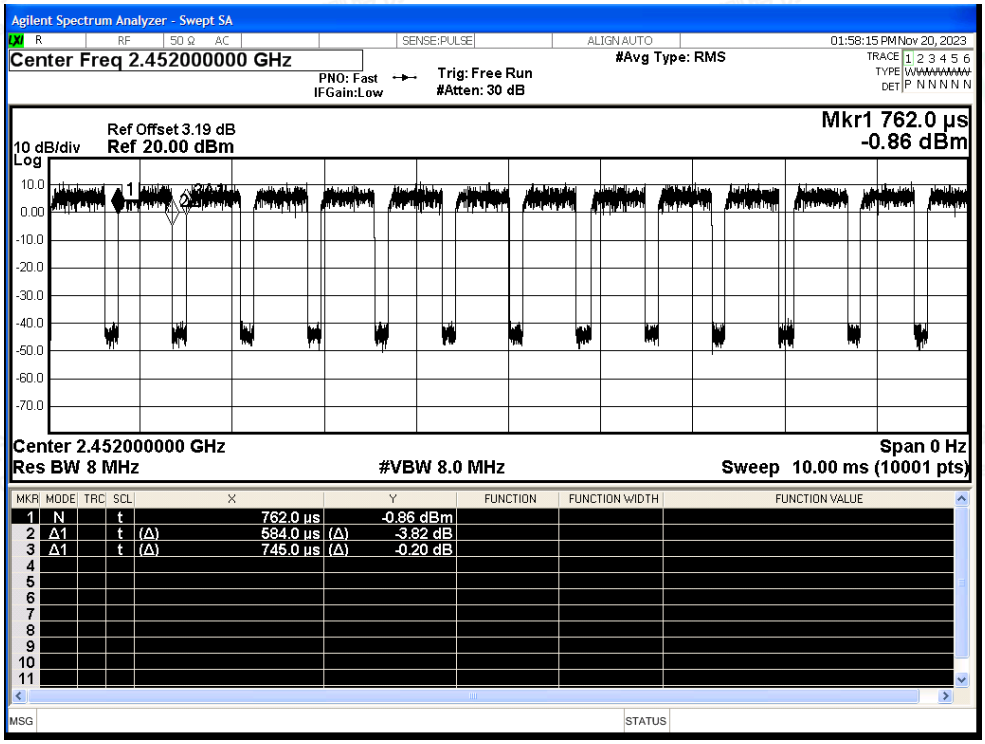
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



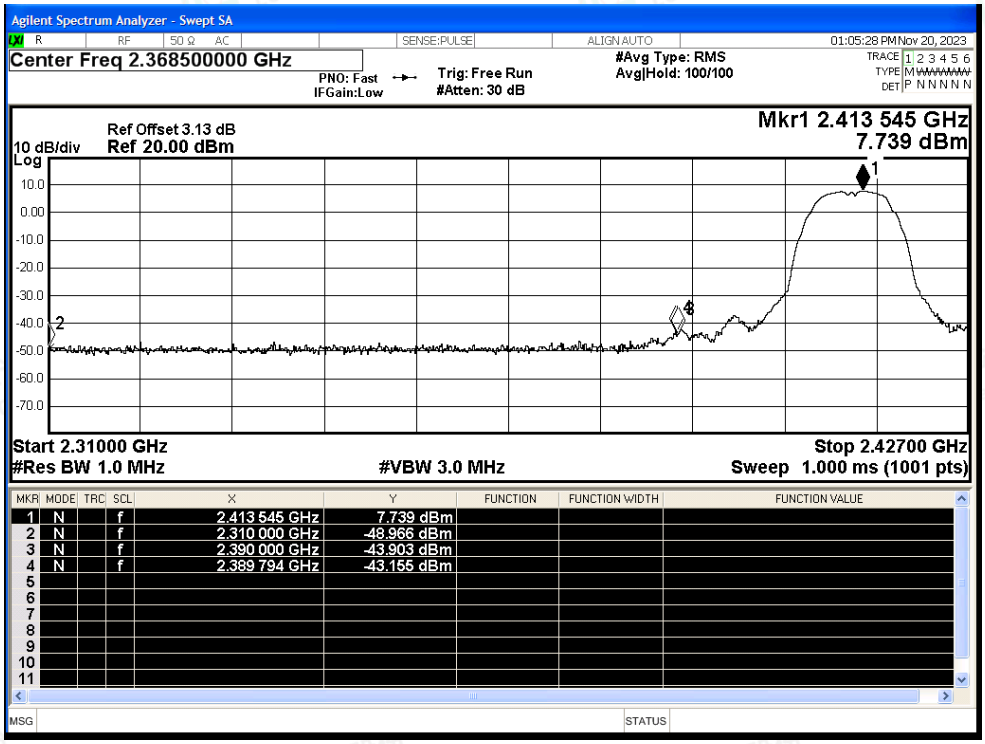
C.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant0	2310	-48.97	2	48.29	Peak	74	Pass
NVNT	b	2412	Ant0	2310	-56.94	2	40.32	Average	54	Pass
NVNT	b	2412	Ant0	2389.794	-43.16	2	54.1	Peak	74	Pass
NVNT	b	2412	Ant0	2389.911	-49.6	2	47.66	Average	54	Pass
NVNT	b	2412	Ant0	2390	-43.9	2	53.36	Peak	74	Pass
NVNT	b	2412	Ant0	2390	-49.26	2	48	Average	54	Pass
NVNT	b	2462	Ant0	2483.5	-42.16	2	55.1	Peak	74	Pass
NVNT	b	2462	Ant0	2483.5	-49.23	2	48.03	Average	54	Pass
NVNT	b	2462	Ant0	2483.517	-42.16	2	55.1	Peak	74	Pass
NVNT	b	2462	Ant0	2483.517	-49.23	2	48.03	Average	54	Pass
NVNT	b	2462	Ant0	2500	-49.19	2	48.07	Peak	74	Pass
NVNT	b	2462	Ant0	2500	-56.26	2	41	Average	54	Pass
NVNT	g	2412	Ant0	2310	-49.64	2	47.62	Peak	74	Pass
NVNT	g	2412	Ant0	2310	-56.48	2	40.78	Average	54	Pass
NVNT	g	2412	Ant0	2388.741	-35.78	2	61.48	Peak	74	Pass
NVNT	g	2412	Ant0	2389.794	-50.69	2	46.57	Average	54	Pass
NVNT	g	2412	Ant0	2390	-38.66	2	58.6	Peak	74	Pass
NVNT	g	2412	Ant0	2390	-50.74	2	46.52	Average	54	Pass
NVNT	g	2462	Ant0	2483.5	-38.49	2	58.77	Peak	74	Pass
NVNT	g	2462	Ant0	2483.5	-48.56	2	48.7	Average	54	Pass
NVNT	g	2462	Ant0	2484.1	-33.46	2	63.8	Peak	74	Pass
NVNT	g	2462	Ant0	2483.57	-48.5	2	48.76	Average	54	Pass
NVNT	g	2462	Ant0	2500	-48.57	2	48.69	Peak	74	Pass
NVNT	g	2462	Ant0	2500	-55.84	2	41.42	Average	54	Pass
NVNT	n20	2412	Ant0	2310	-48.42	2	48.84	Peak	74	Pass
NVNT	n20	2412	Ant0	2310	-56.55	2	40.71	Average	54	Pass
NVNT	n20	2412	Ant0	2388.507	-37.59	2	59.67	Peak	74	Pass
NVNT	n20	2412	Ant0	2389.911	-50.49	2	46.77	Average	54	Pass
NVNT	n20	2412	Ant0	2390	-39.79	2	57.47	Peak	74	Pass
NVNT	n20	2412	Ant0	2390	-50.34	2	46.92	Average	54	Pass
NVNT	n20	2462	Ant0	2483.5	-35.45	2	61.81	Peak	74	Pass
NVNT	n20	2462	Ant0	2483.5	-49.02	2	48.24	Average	54	Pass
NVNT	n20	2462	Ant0	2484.471	-32.4	2	64.86	Peak	74	Pass
NVNT	n20	2462	Ant0	2483.57	-48.55	2	48.71	Average	54	Pass
NVNT	n20	2462	Ant0	2500	-48.73	2	48.53	Peak	74	Pass
NVNT	n20	2462	Ant0	2500	-55.79	2	41.47	Average	54	Pass
NVNT	n40	2422	Ant0	2310	-47.89	2	49.37	Peak	74	Pass

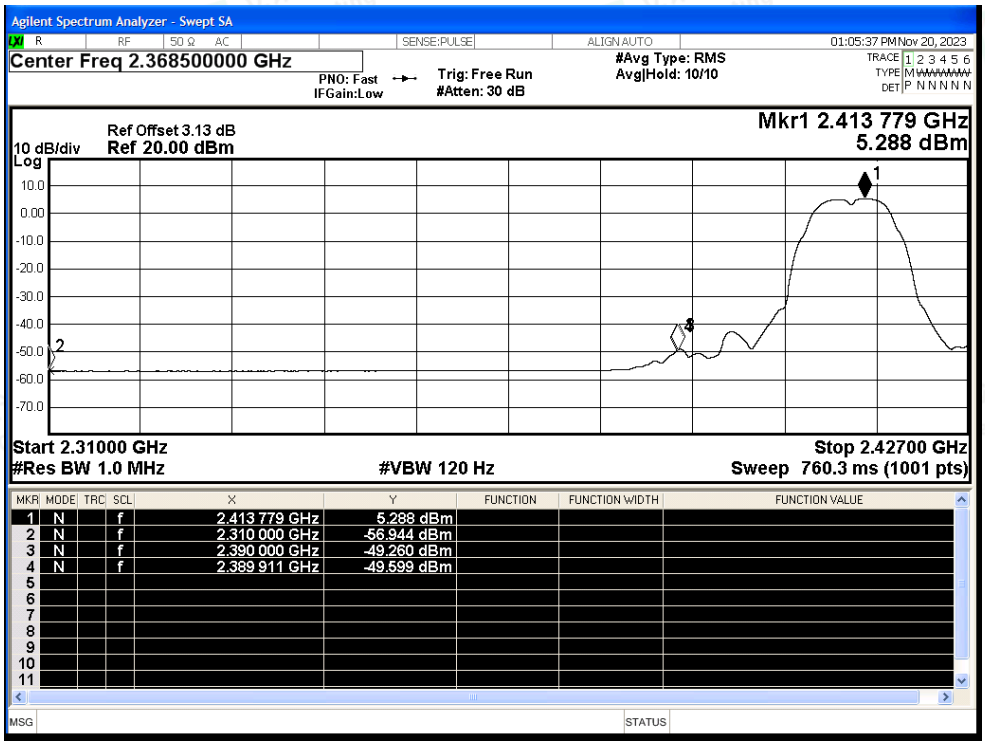
NVNT	n40	2422	Ant0	2310	-56.47	2	40.79	Average	54	Pass
NVNT	n40	2422	Ant0	2389.662	-34.79	2	62.47	Peak	74	Pass
NVNT	n40	2422	Ant0	2389.804	-46.45	2	50.81	Average	54	Pass
NVNT	n40	2422	Ant0	2390	-35.8	2	61.46	Peak	74	Pass
NVNT	n40	2422	Ant0	2390	-46.52	2	50.74	Average	54	Pass
NVNT	n40	2452	Ant0	2483.5	-30.83	2	66.43	Peak	74	Pass
NVNT	n40	2452	Ant0	2483.5	-44.9	2	52.36	Average	54	Pass
NVNT	n40	2452	Ant0	2483.932	-31.76	2	65.5	Peak	74	Pass
NVNT	n40	2452	Ant0	2483.542	-45.06	2	52.2	Average	54	Pass
NVNT	n40	2452	Ant0	2500	-48.16	2	49.1	Peak	74	Pass
NVNT	n40	2452	Ant0	2500	-55.66	2	41.6	Average	54	Pass

Test Graphs

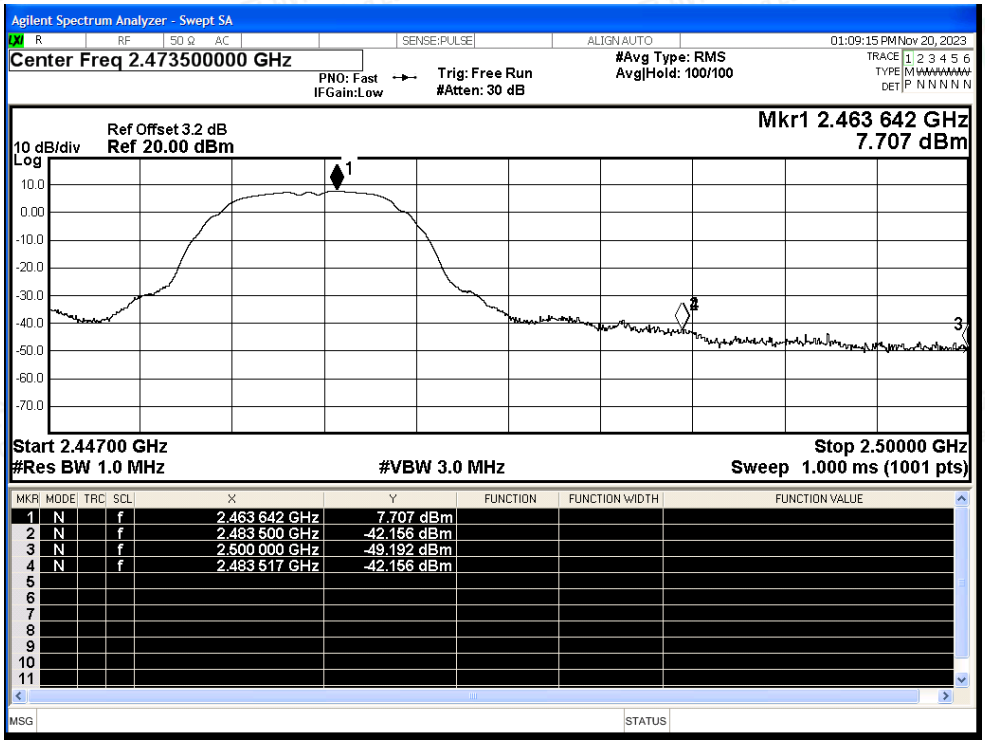
Restrict Band NVNT b 2412MHz Ant0 Peak



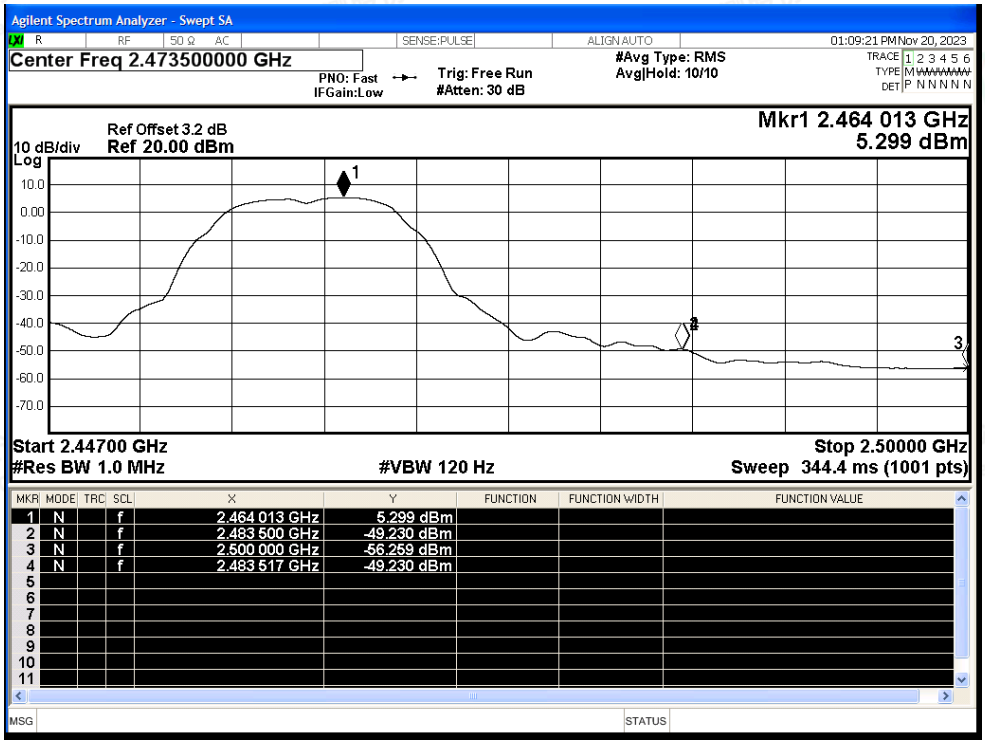
Restrict Band NVNT b 2412MHz Ant0 Average



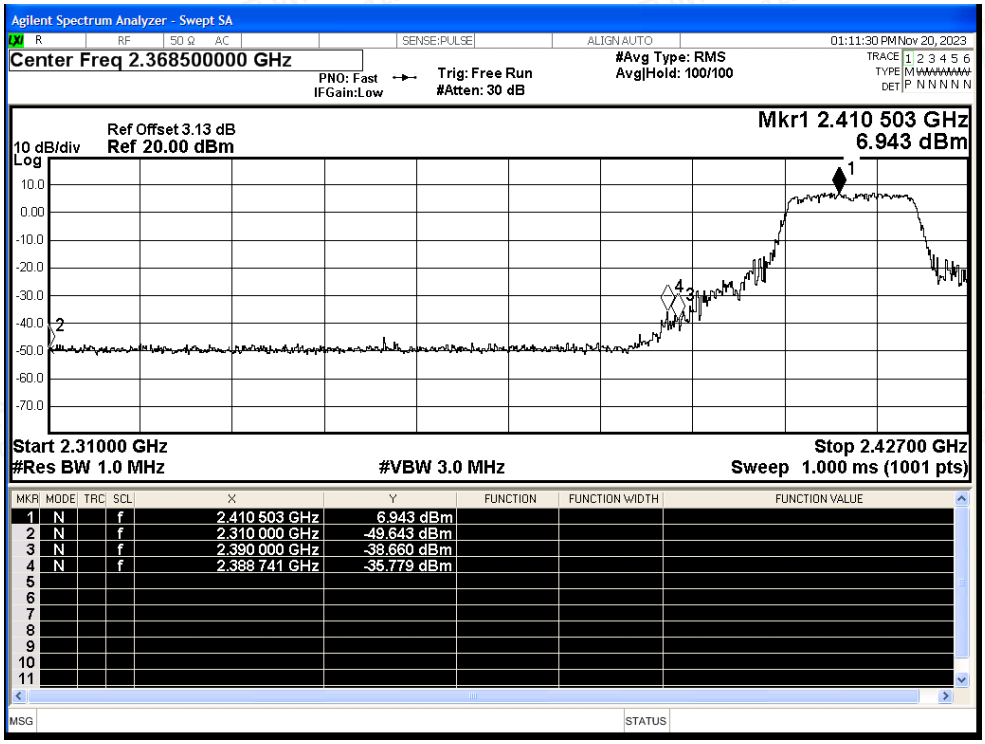
Restrict Band NVNT b 2462MHz Ant0 Peak



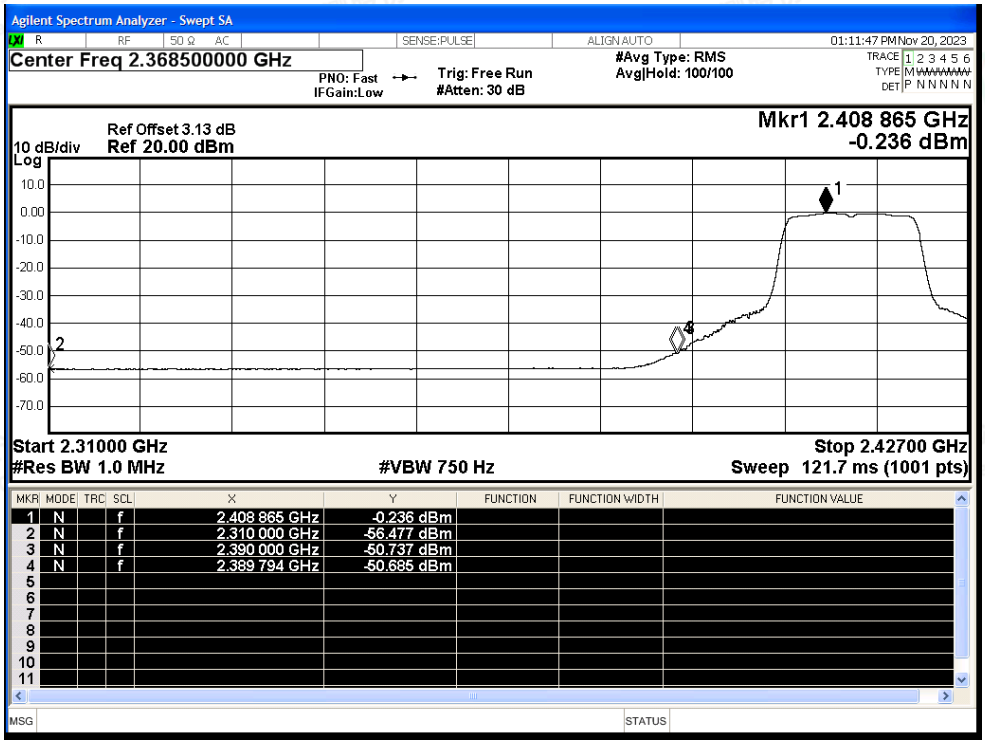
Restrict Band NVNT b 2462MHz Ant0 Average



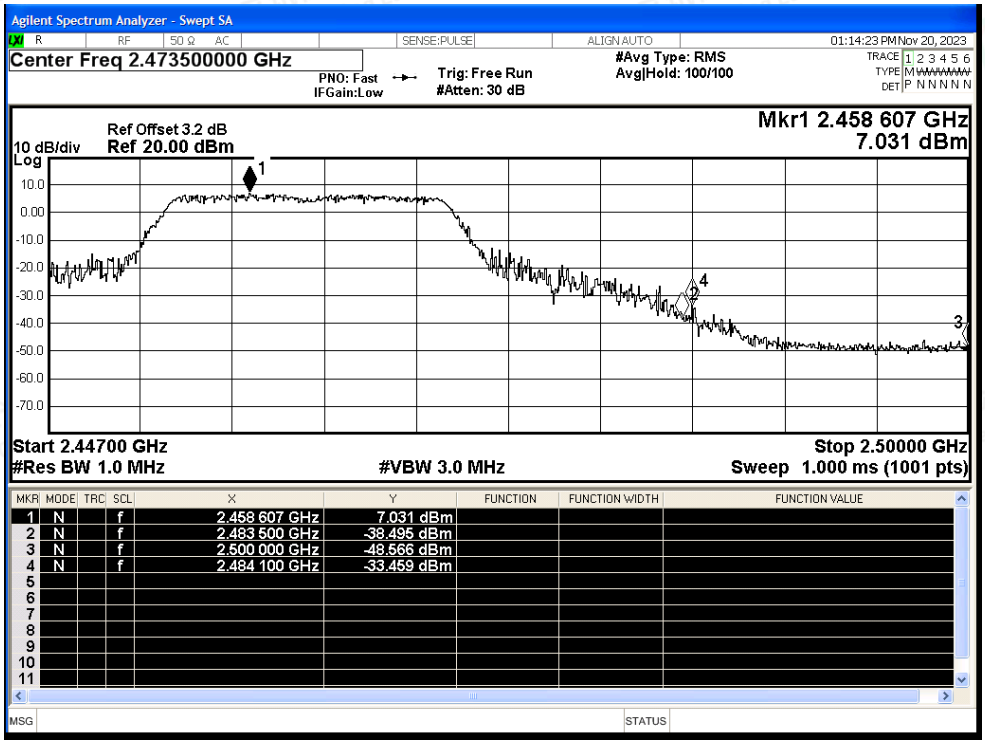
Restrict Band NVNT g 2412MHz Ant0 Peak



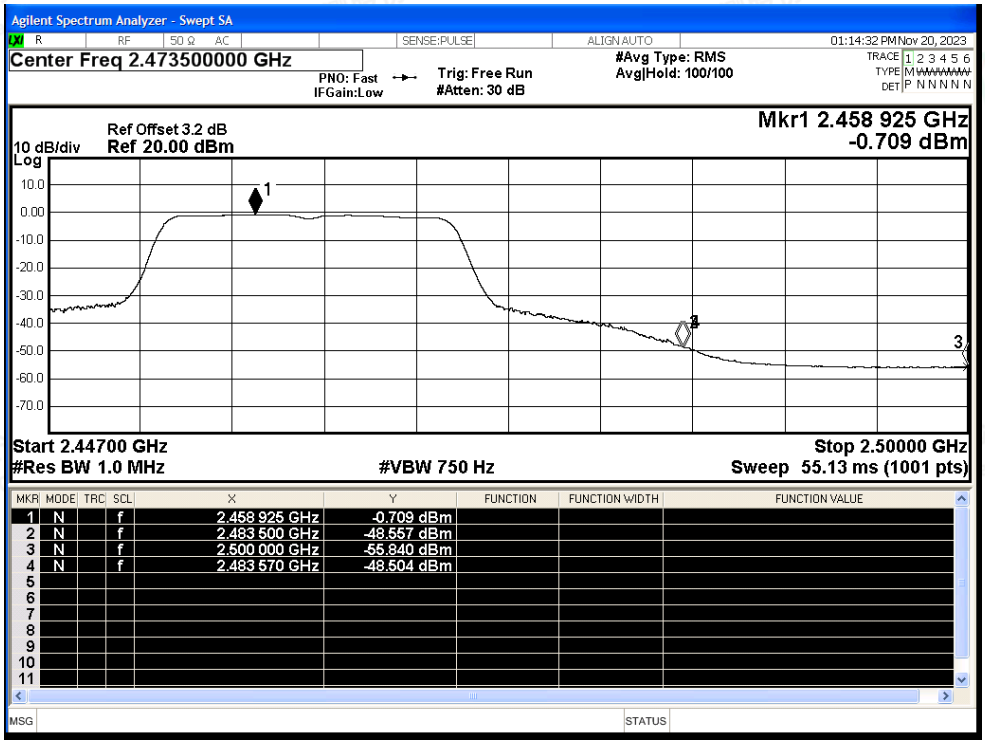
Restrict Band NVNT g 2412MHz Ant0 Average



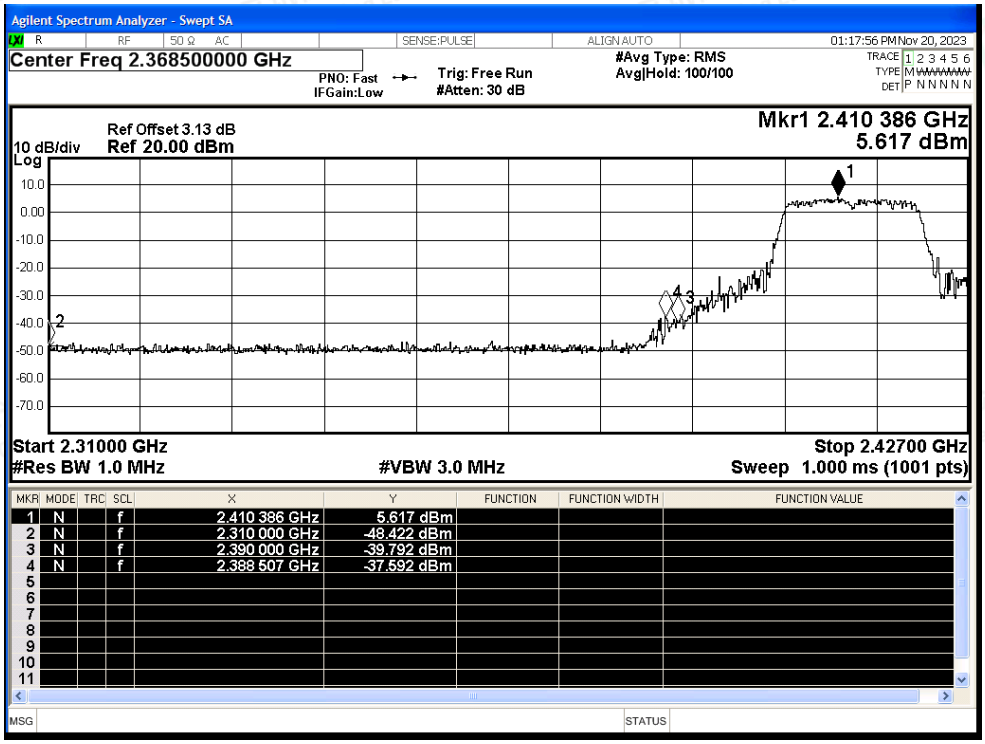
Restrict Band NVNT g 2462MHz Ant0 Peak



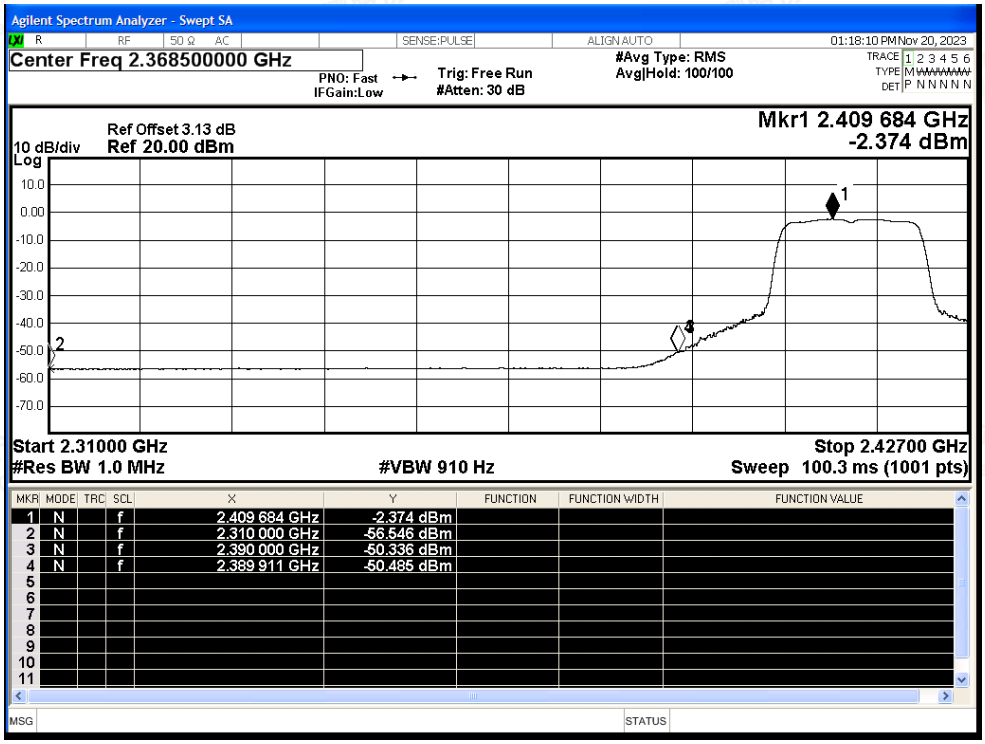
Restrict Band NVNT g 2462MHz Ant0 Average



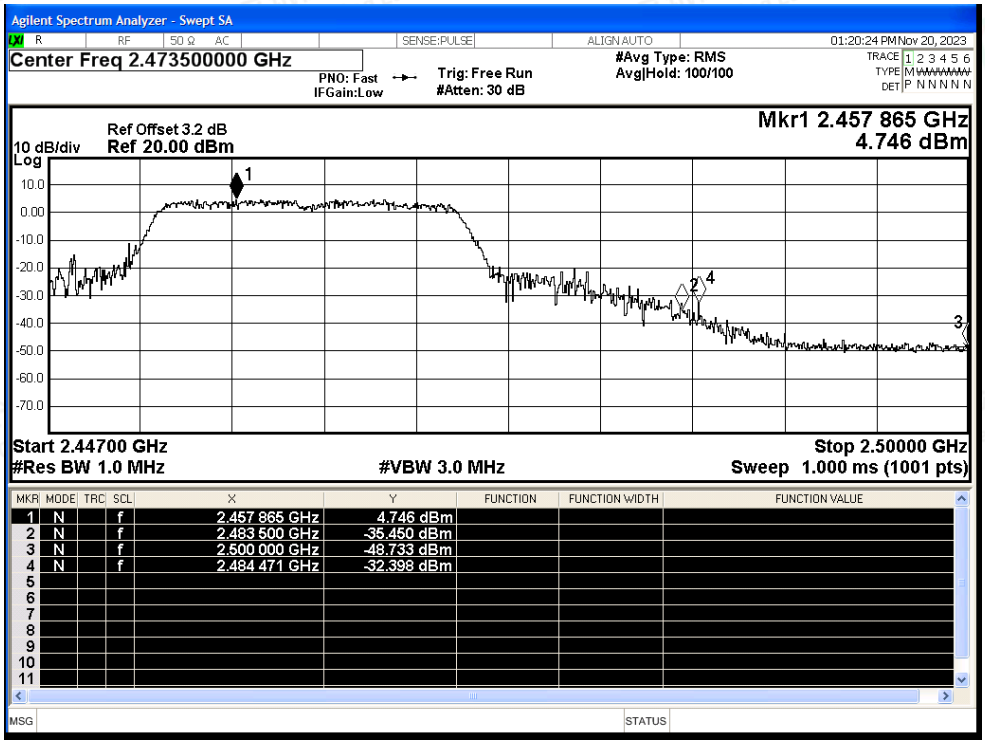
Restrict Band NVNT n20 2412MHz Ant0 Peak



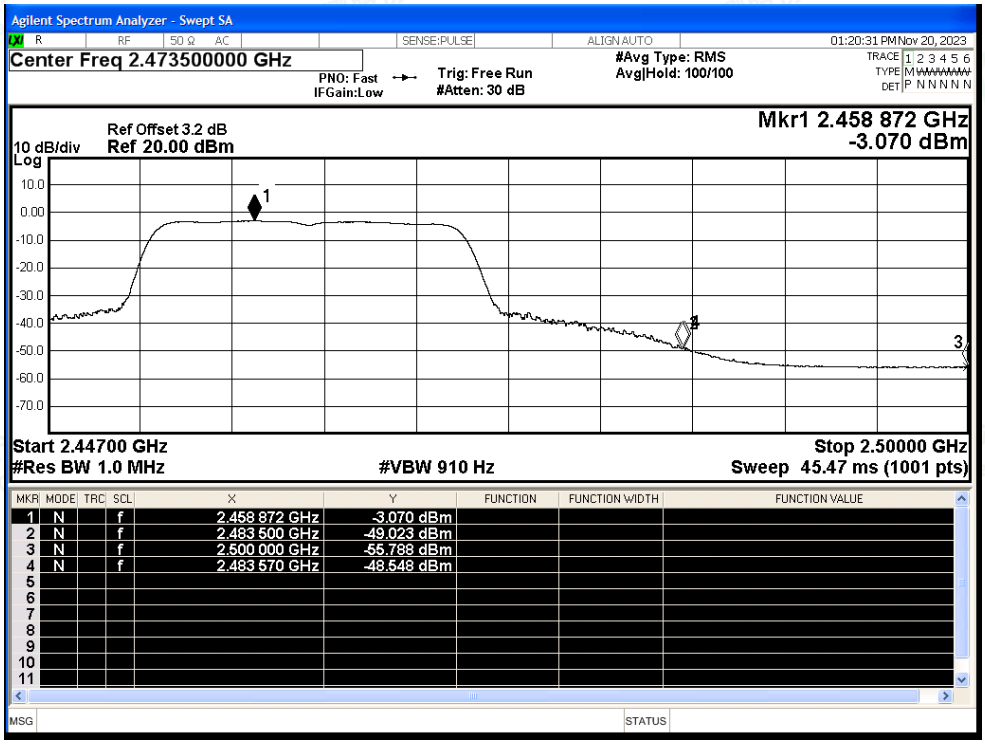
Restrict Band NVNT n20 2412MHz Ant0 Average



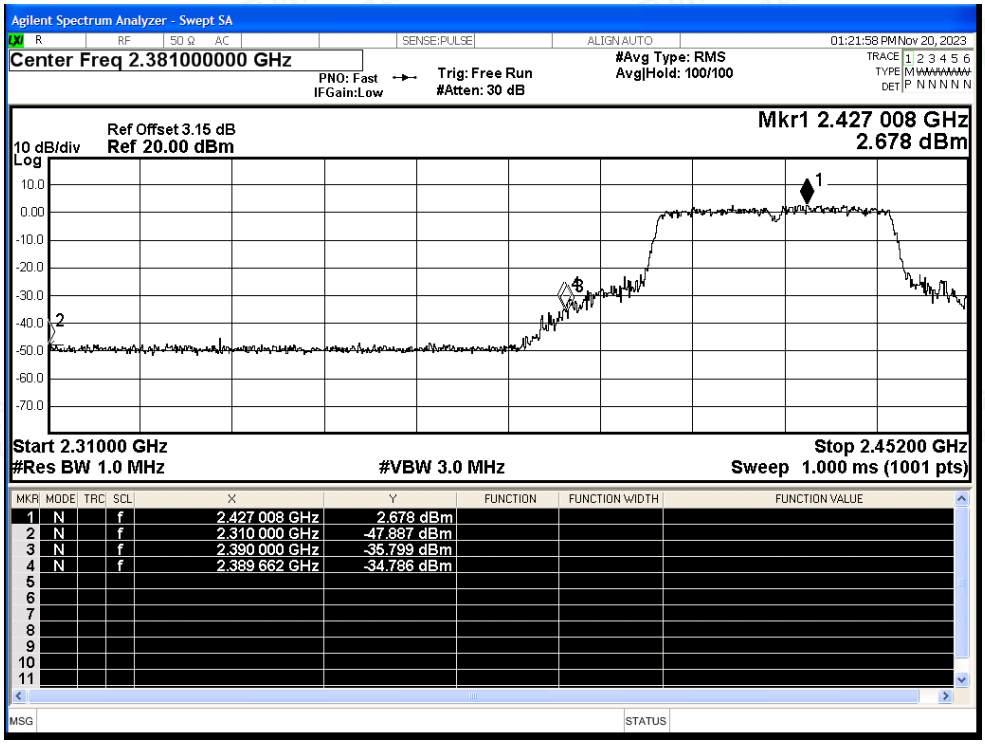
Restrict Band NVNT n20 2462MHz Ant0 Peak



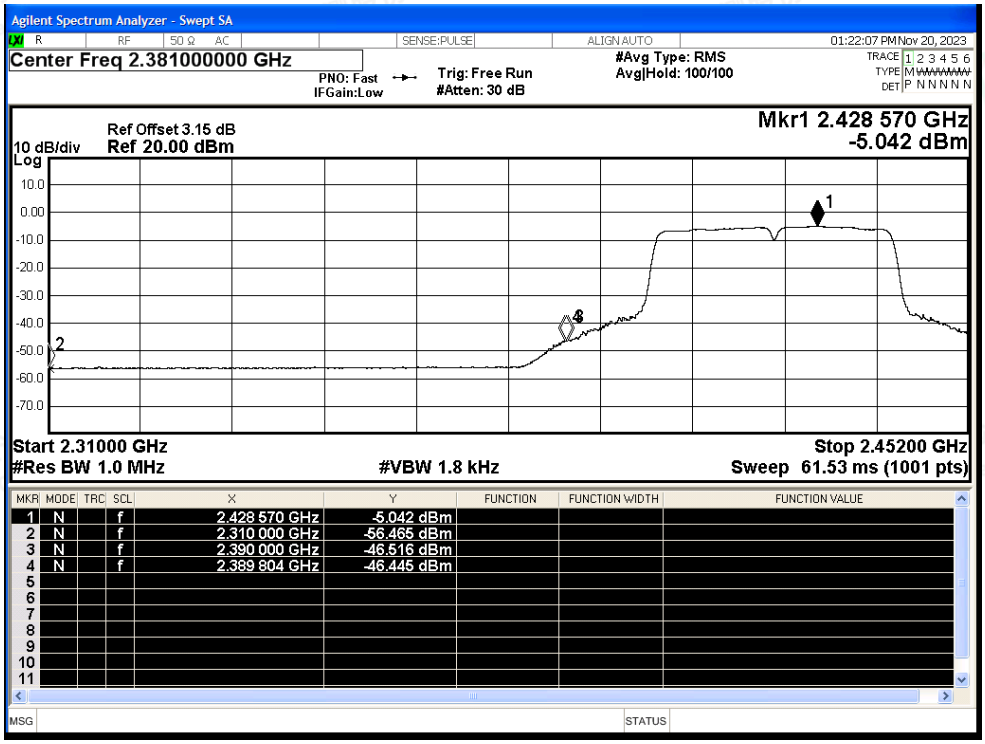
Restrict Band NVNT n20 2462MHz Ant0 Average



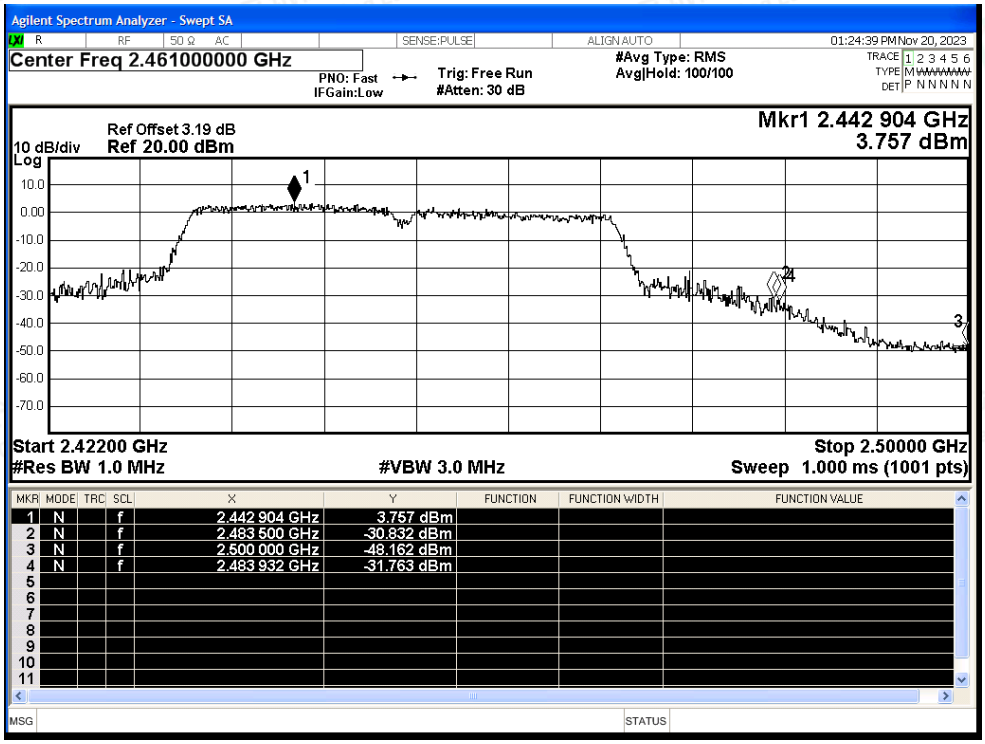
Restrict Band NVNT n40 2422MHz Ant0 Peak



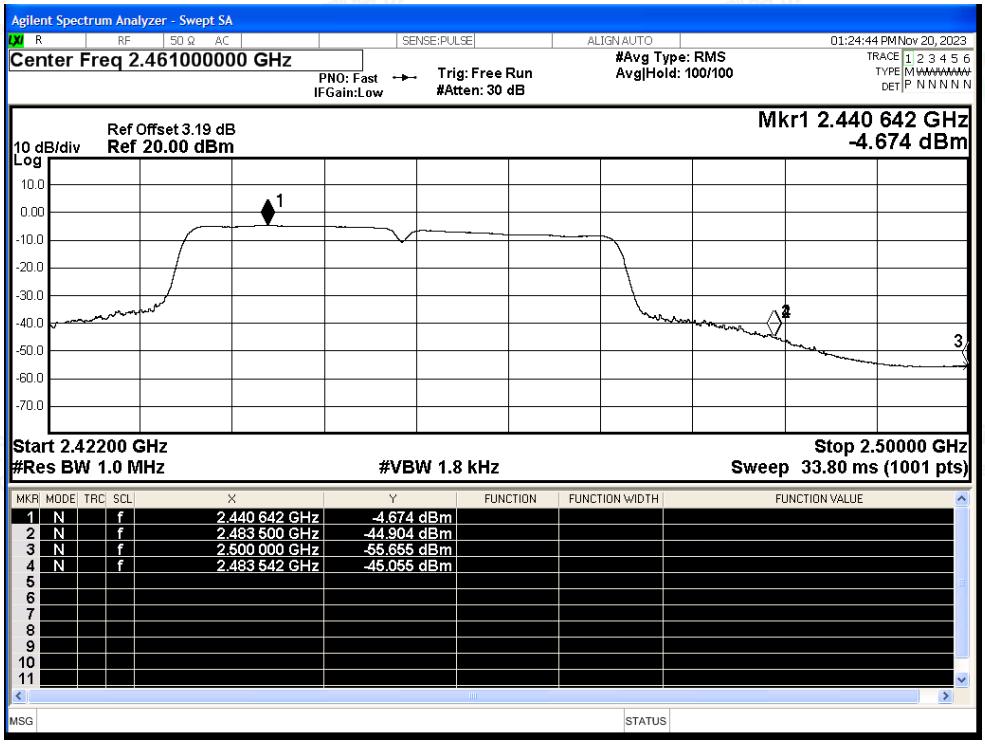
Restrict Band NVNT n40 2422MHz Ant0 Average



Restrict Band NVNT n40 2452MHz Ant0 Peak



Restrict Band NVNT n40 2452MHz Ant0 Average

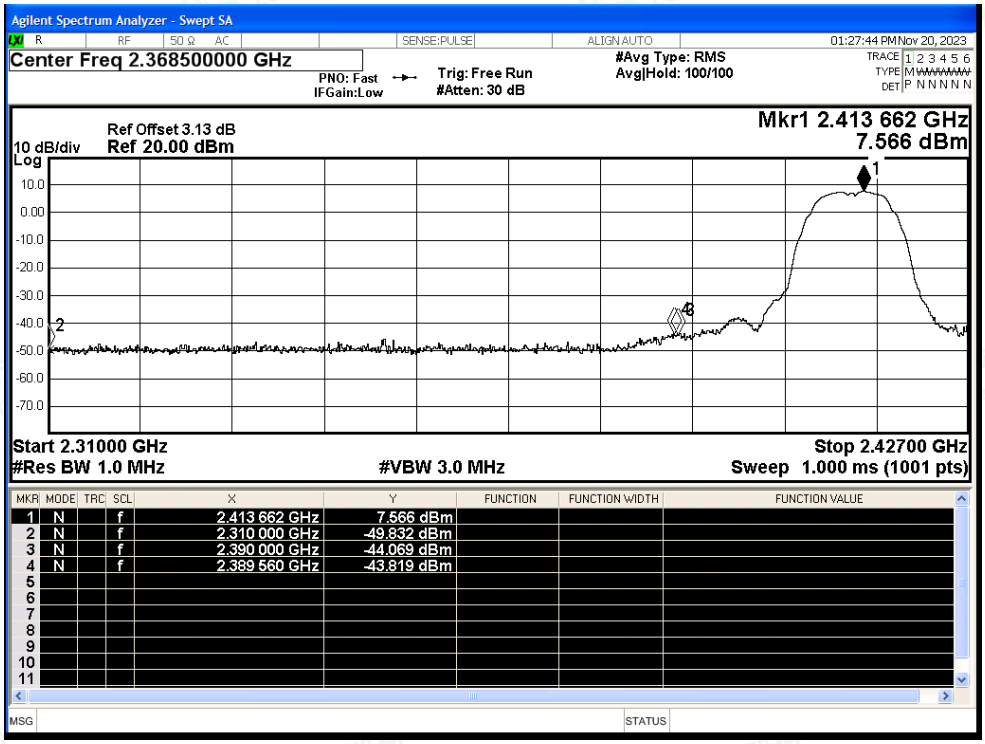


Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-49.83	2	47.43	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-56.97	2	40.29	Average	54	Pass
NVNT	b	2412	Ant1	2389.56	-43.82	2	53.44	Peak	74	Pass
NVNT	b	2412	Ant1	2389.443	-50.05	2	47.21	Average	54	Pass
NVNT	b	2412	Ant1	2390	-44.07	2	53.19	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-50.85	2	46.41	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-45.84	2	51.42	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-51.33	2	45.93	Average	54	Pass
NVNT	b	2462	Ant1	2484.153	-43.37	2	53.89	Peak	74	Pass
NVNT	b	2462	Ant1	2483.517	-51.33	2	45.93	Average	54	Pass
NVNT	b	2462	Ant1	2500	-49.9	2	47.36	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-56.23	2	41.03	Average	54	Pass
NVNT	g	2412	Ant1	2310	-48.36	2	48.9	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-56.54	2	40.72	Average	54	Pass
NVNT	g	2412	Ant1	2388.975	-38.7	2	58.56	Peak	74	Pass
NVNT	g	2412	Ant1	2389.794	-50.36	2	46.9	Average	54	Pass
NVNT	g	2412	Ant1	2390	-42.53	2	54.73	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-50.47	2	46.79	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-34.8	2	62.46	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-48.77	2	48.49	Average	54	Pass
NVNT	g	2462	Ant1	2483.517	-34.8	2	62.46	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-48.77	2	48.49	Average	54	Pass
NVNT	g	2462	Ant1	2500	-47.52	2	49.74	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-55.88	2	41.38	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-48.43	2	48.83	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-56.4	2	40.86	Average	54	Pass
NVNT	n20	2412	Ant1	2389.677	-35.84	2	61.42	Peak	74	Pass
NVNT	n20	2412	Ant1	2389.794	-50.2	2	47.06	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-36.8	2	60.46	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-49.85	2	47.41	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-36.7	2	60.56	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-48.12	2	49.14	Average	54	Pass
NVNT	n20	2462	Ant1	2483.676	-26.51	2	70.75	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.623	-47.53	2	49.73	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-48.26	2	49	Peak	74	Pass
NVNT	n20	2462	Ant1	2500	-55.93	2	41.33	Average	54	Pass
NVNT	n40	2422	Ant1	2310	-48.61	2	48.65	Peak	74	Pass
NVNT	n40	2422	Ant1	2310	-56.38	2	40.88	Average	54	Pass

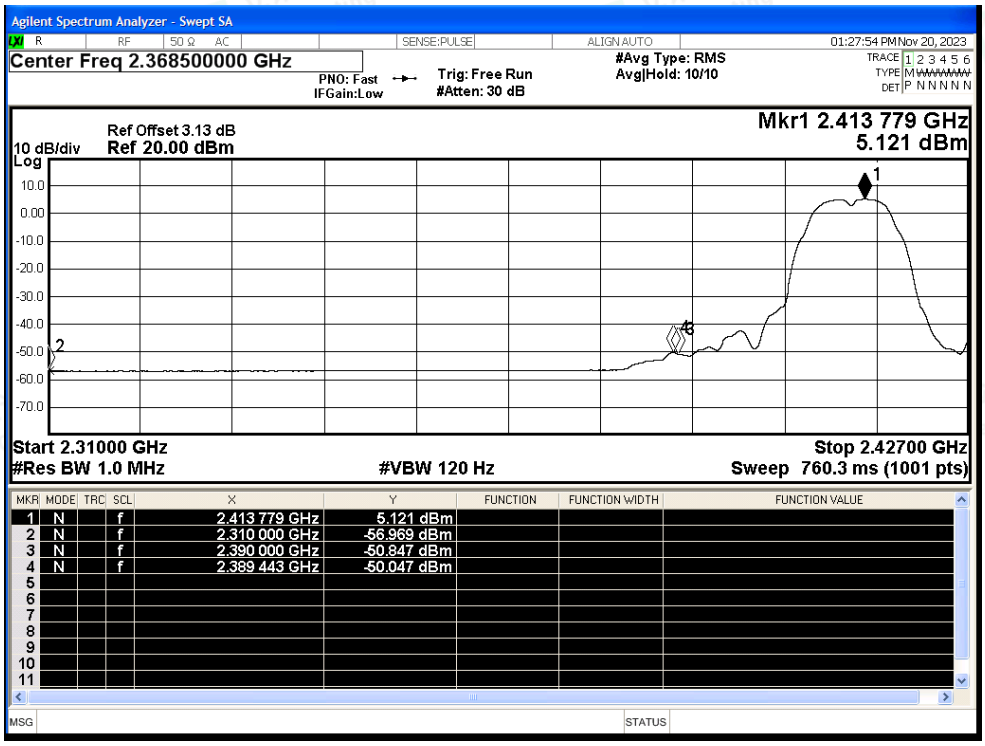
NVNT	n40	2422	Ant1	2389.662	-35.24	2	62.02	Peak	74	Pass
NVNT	n40	2422	Ant1	2389.378	-46.74	2	50.52	Average	54	Pass
NVNT	n40	2422	Ant1	2390	-38.72	2	58.54	Peak	74	Pass
NVNT	n40	2422	Ant1	2390	-46.88	2	50.38	Average	54	Pass
NVNT	n40	2452	Ant1	2483.5	-34.06	2	63.2	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.5	-45.1	2	52.16	Average	54	Pass
NVNT	n40	2452	Ant1	2484.478	-29.29	2	67.97	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.542	-45.19	2	52.07	Average	54	Pass
NVNT	n40	2452	Ant1	2500	-47.06	2	50.2	Peak	74	Pass
NVNT	n40	2452	Ant1	2500	-55.63	2	41.63	Average	54	Pass

Test Graphs

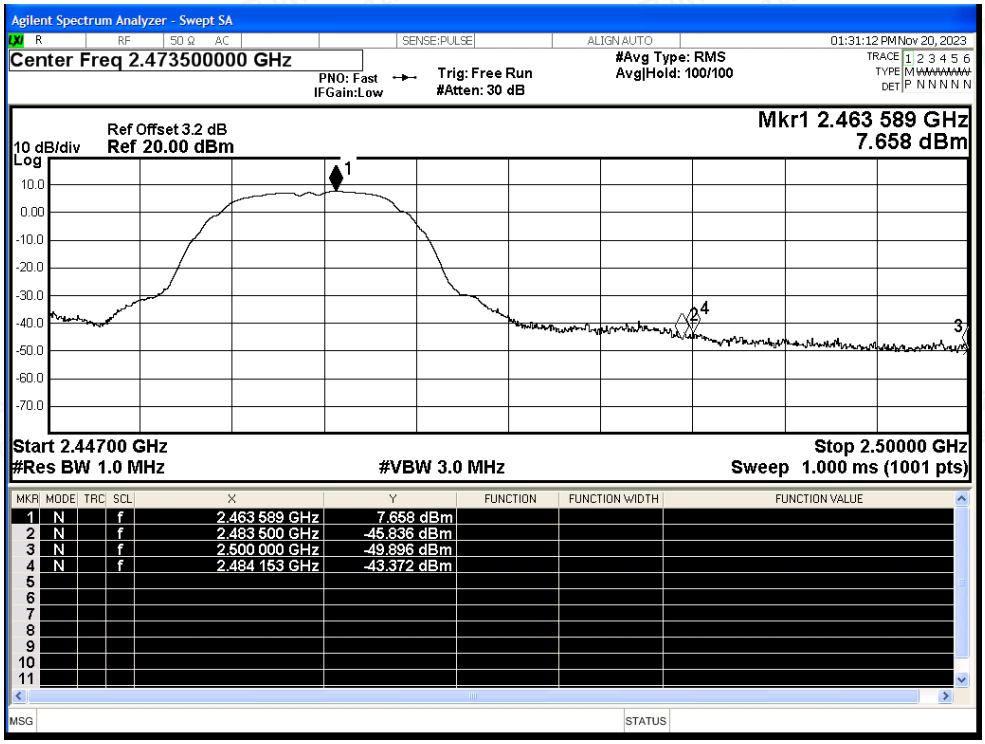
Restrict Band NVNT b 2412MHz Ant1 Peak



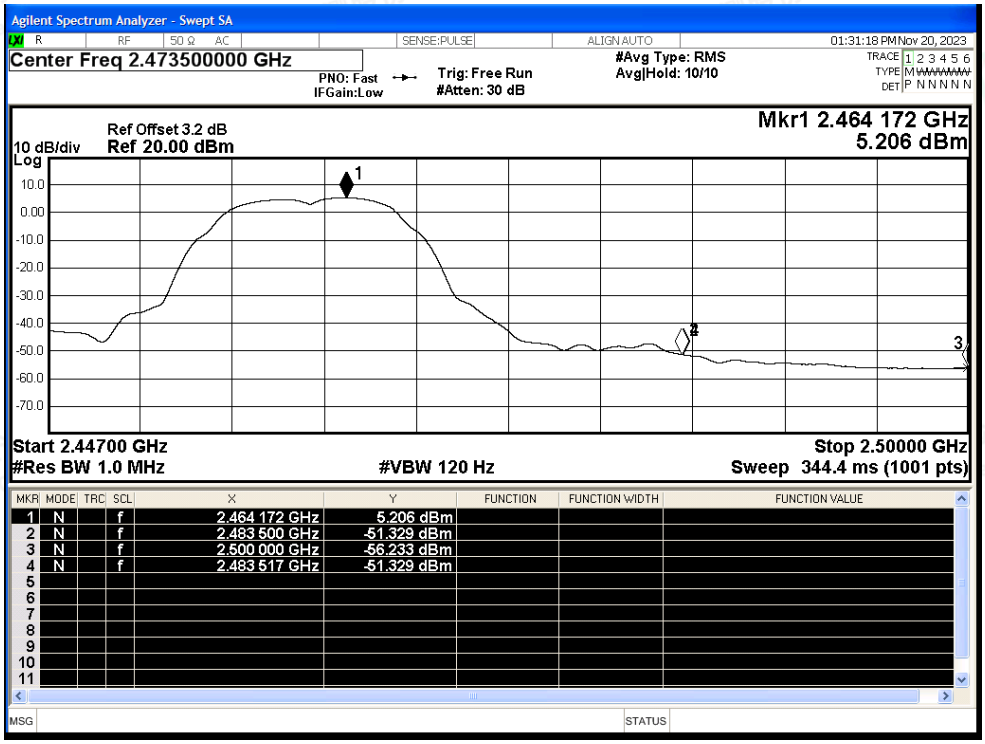
Restrict Band NVNT b 2412MHz Ant1 Average



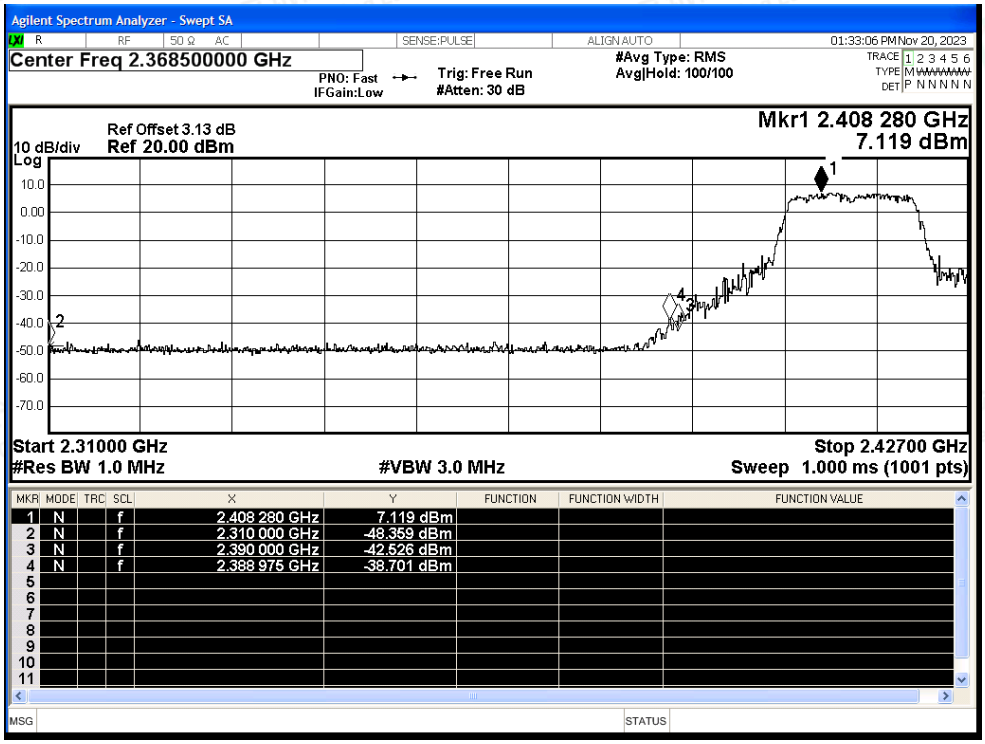
Restrict Band NVNT b 2462MHz Ant1 Peak



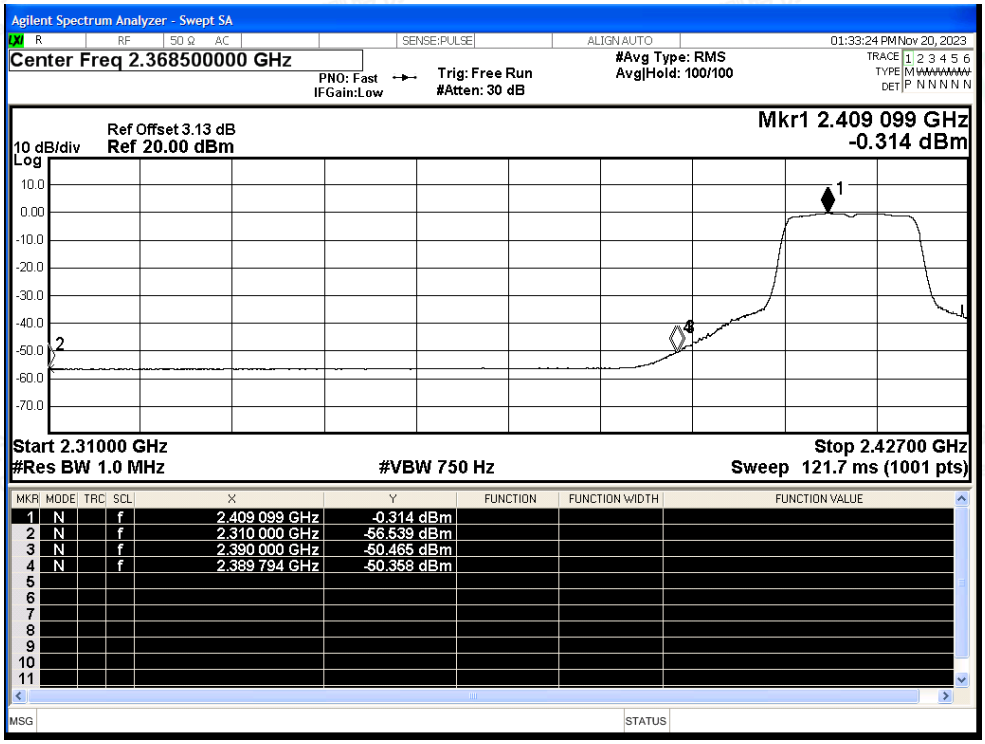
Restrict Band NVNT b 2462MHz Ant1 Average



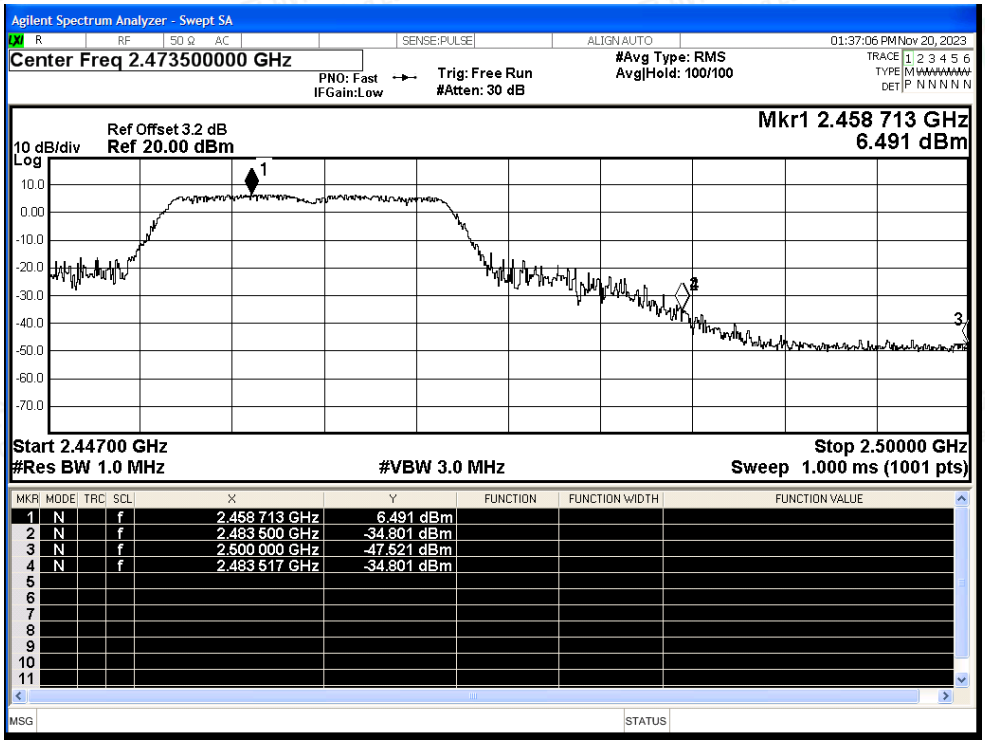
Restrict Band NVNT g 2412MHz Ant1 Peak



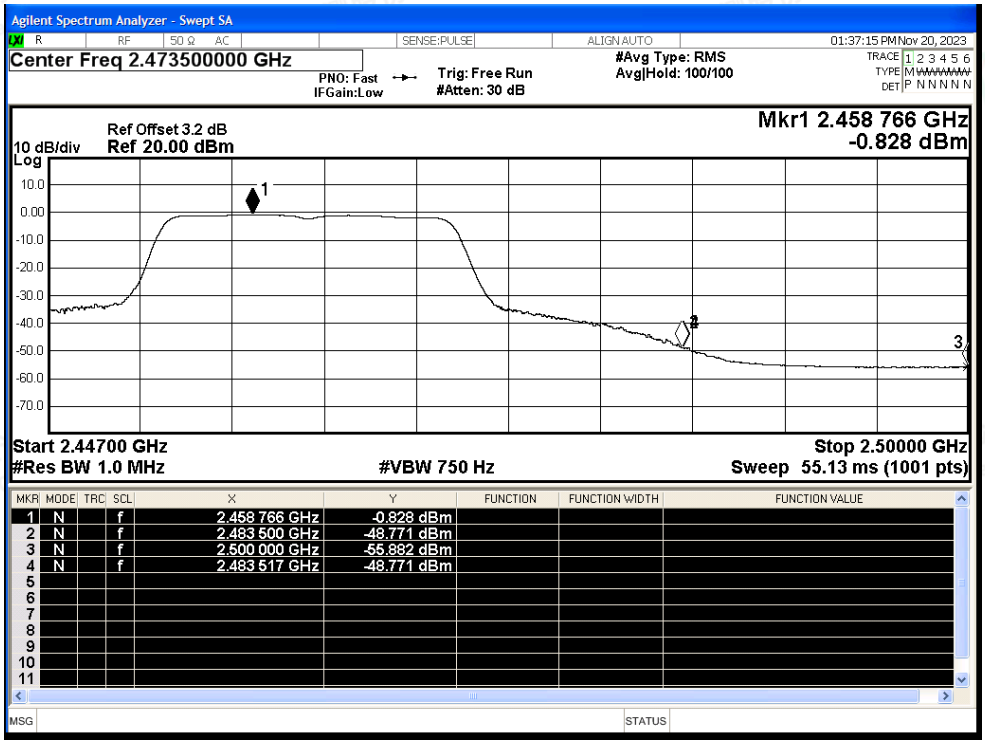
Restrict Band NVNT g 2412MHz Ant1 Average



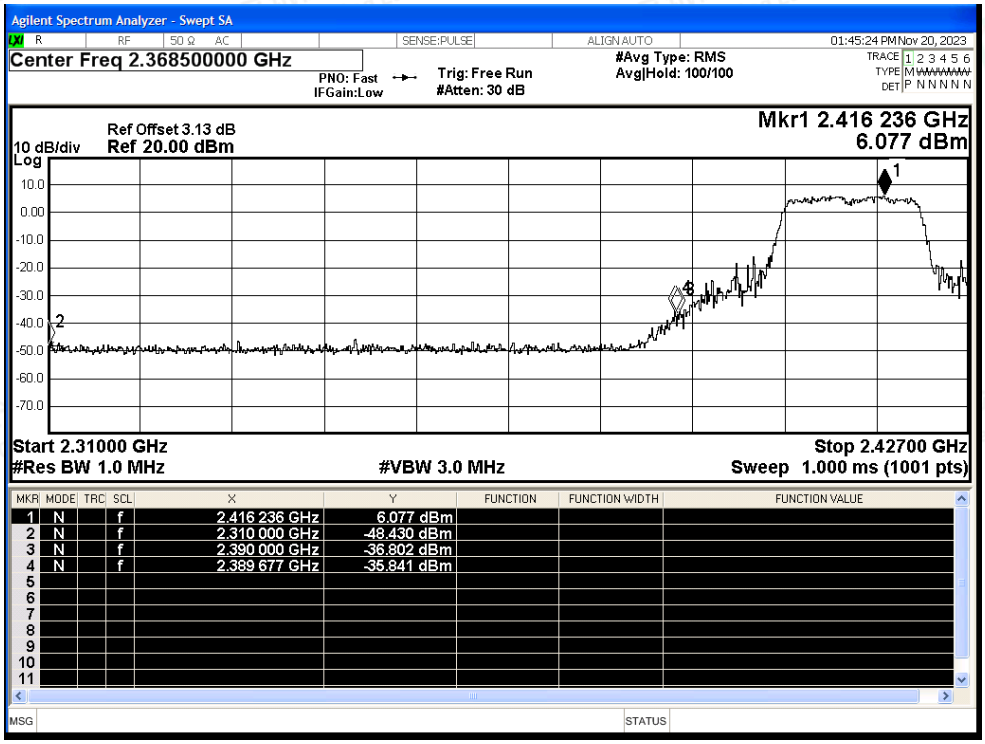
Restrict Band NVNT g 2462MHz Ant1 Peak



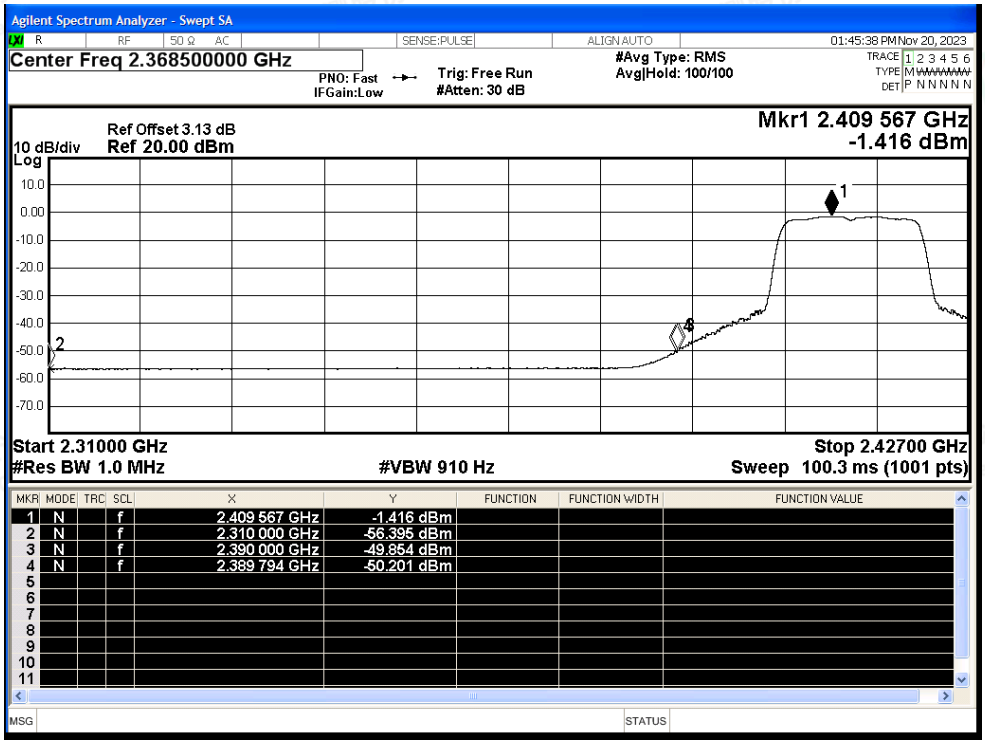
Restrict Band NVNT g 2462MHz Ant1 Average



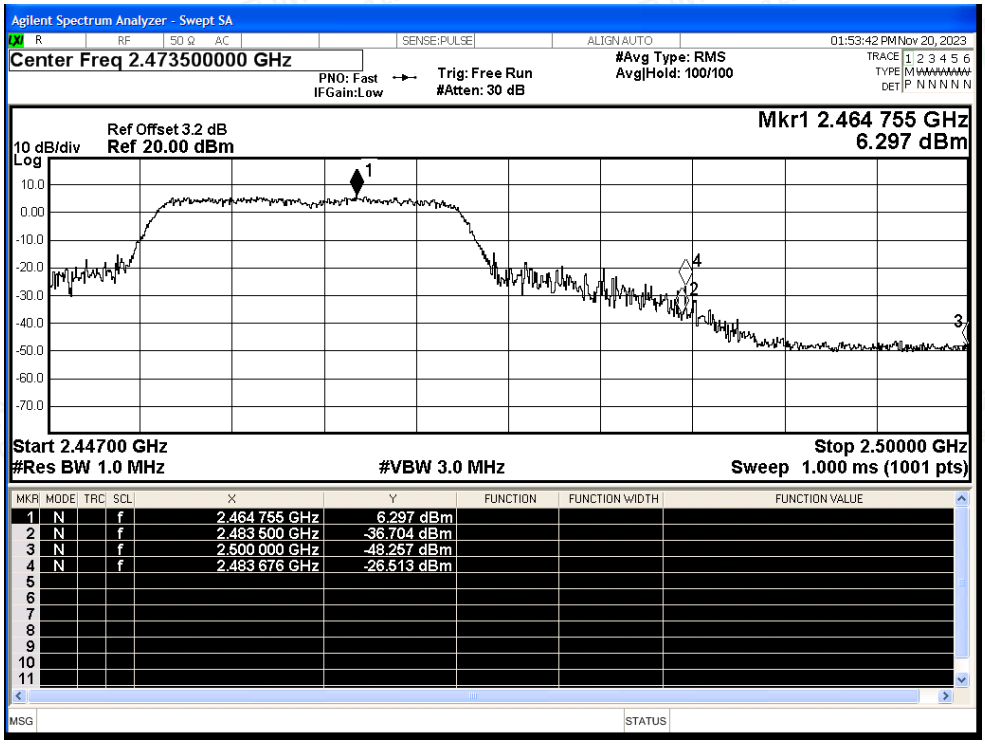
Restrict Band NVNT n20 2412MHz Ant1 Peak



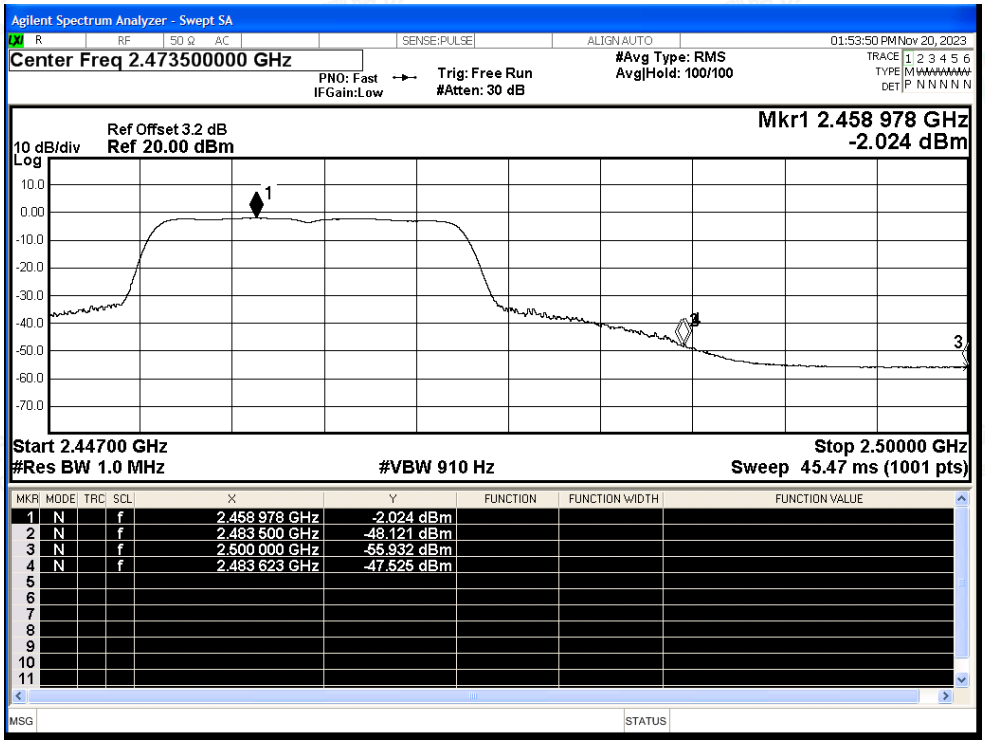
Restrict Band NVNT n20 2412MHz Ant1 Average



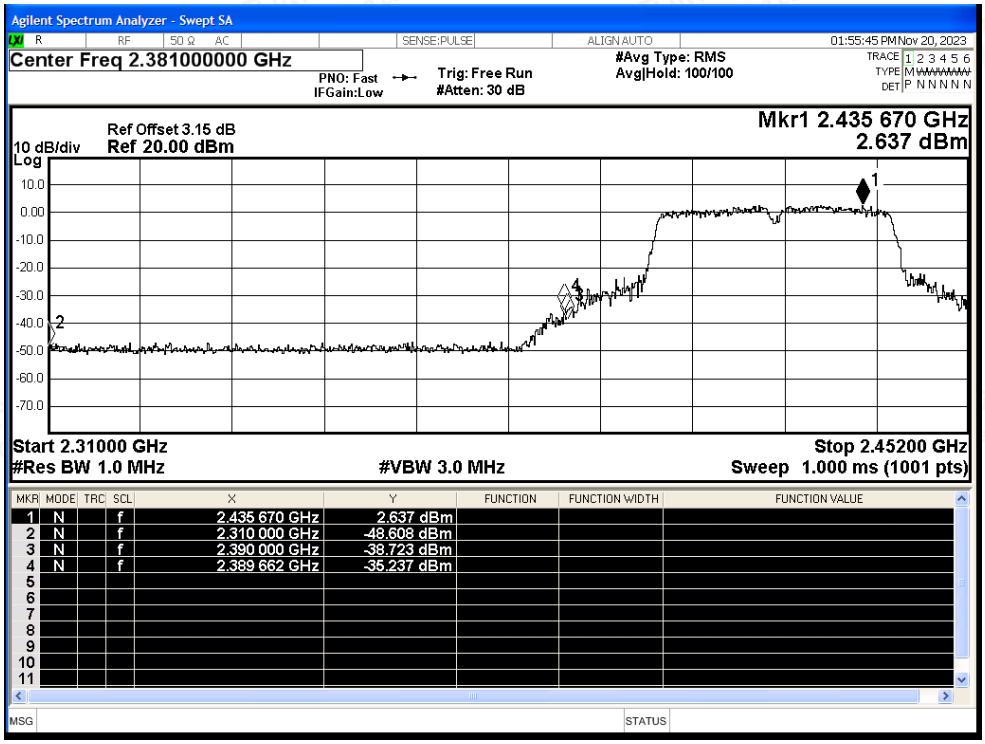
Restrict Band NVNT n20 2462MHz Ant1 Peak



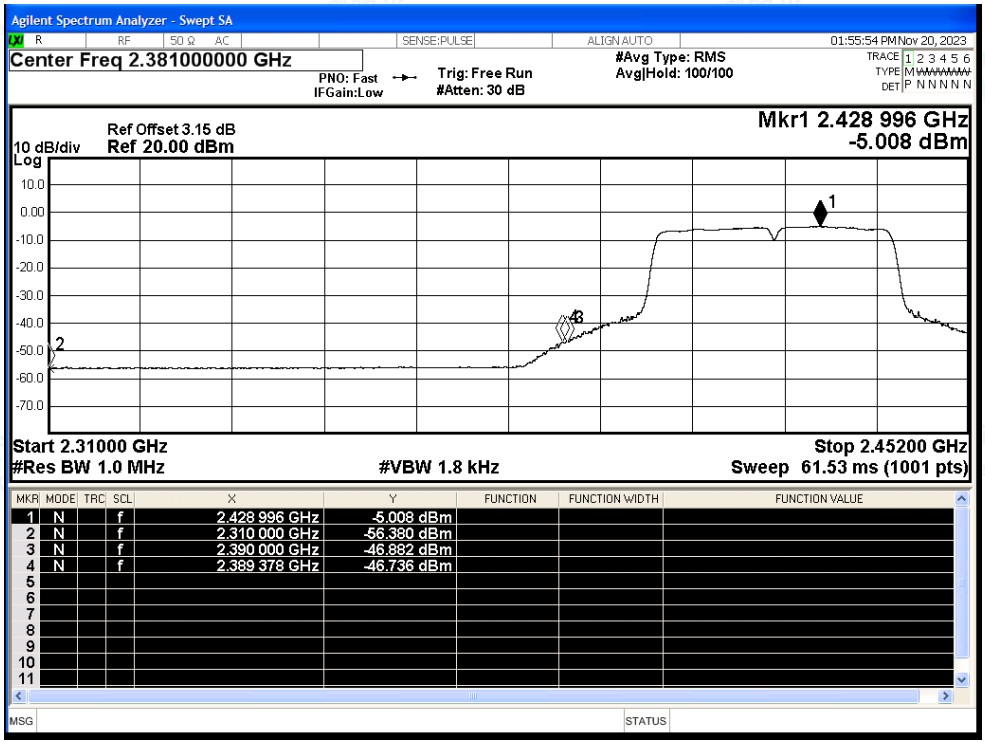
Restrict Band NVNT n20 2462MHz Ant1 Average



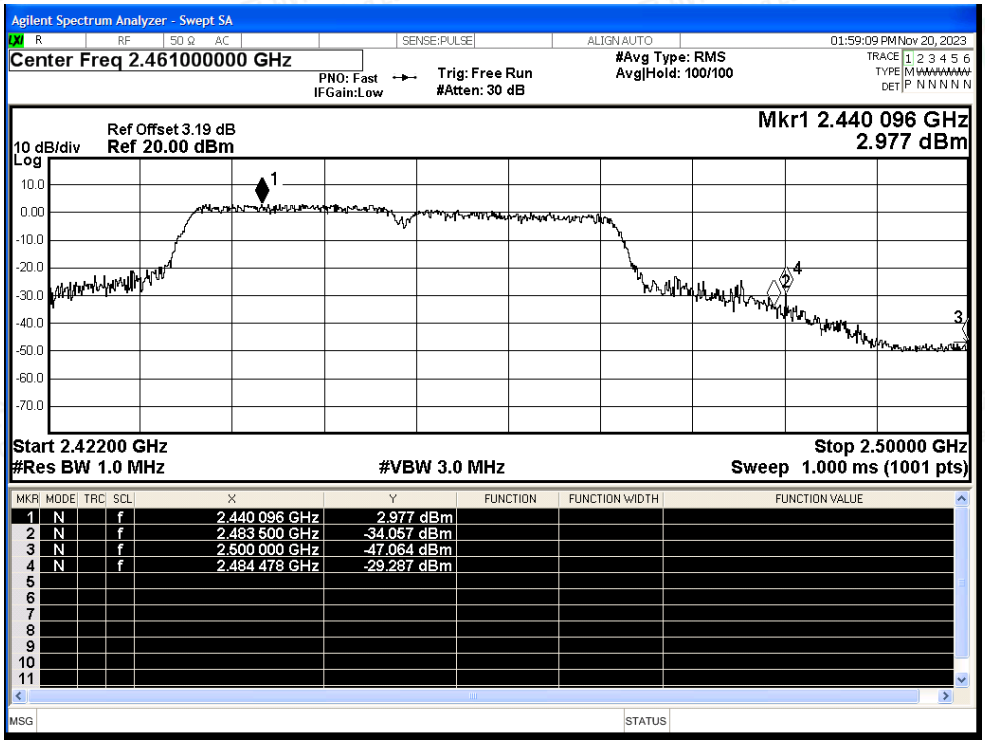
Restrict Band NVNT n40 2422MHz Ant1 Peak



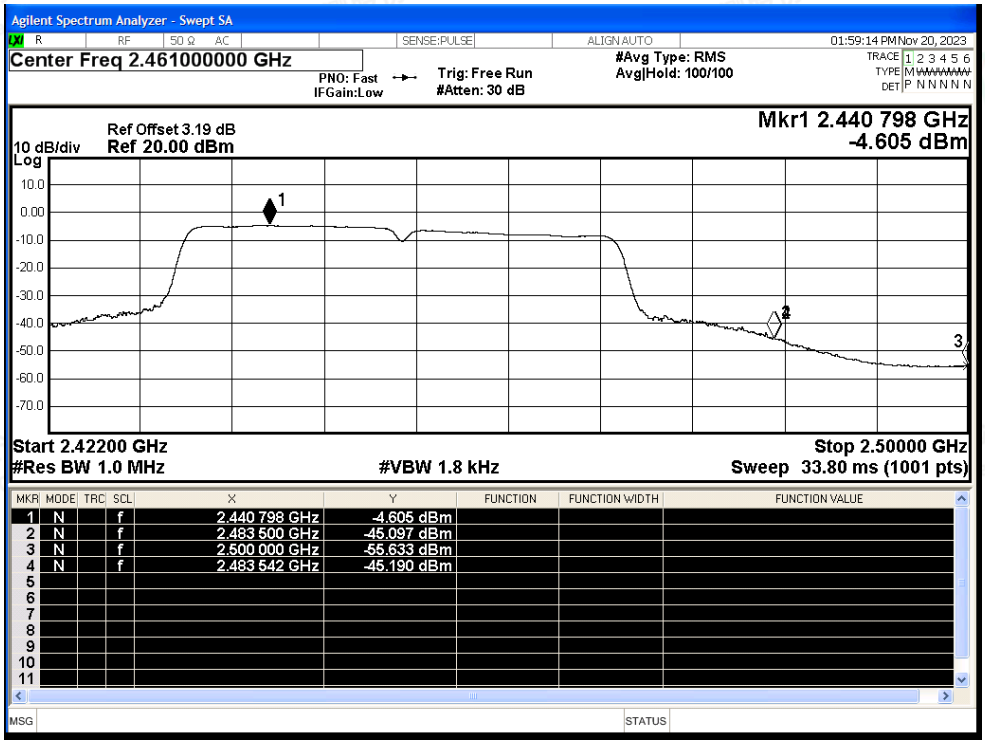
Restrict Band NVNT n40 2422MHz Ant1 Average



Restrict Band NVNT n40 2452MHz Ant1 Peak



Restrict Band NVNT n40 2452MHz Ant1 Average



MIMO

Condition	Mode	Frequency (MHz)	ANT0 Power (dBm)	ANT1 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	2412	-48.42	-48.43	5.01	54.85	Peak	74	Pass
NVNT	n20	2412	-56.55	-56.4	5.01	46.80	Average	54	Pass
NVNT	n20	2412	-37.59	-35.84	5.01	66.65	Peak	74	Pass
NVNT	n20	2412	-50.49	-50.2	5.01	52.94	Average	54	Pass
NVNT	n20	2412	-39.79	-36.8	5.01	65.24	Peak	74	Pass
NVNT	n20	2412	-50.34	-49.85	5.01	53.19	Average	54	Pass
NVNT	n20	2462	-35.45	-36.7	5.01	67.25	Peak	74	Pass
NVNT	n20	2462	-55.64	-54.43	5.01	48.28	Average	54	Pass
NVNT	n20	2462	-32.4	-26.51	5.01	74.75	Peak	74	Pass
NVNT	n20	2462	-52.16	-53.34	5.01	50.57	Average	54	Pass
NVNT	n20	2462	-48.73	-48.26	5.01	54.79	Peak	74	Pass
NVNT	n20	2462	-55.79	-55.93	5.01	47.42	Average	54	Pass
NVNT	n40	2422	-47.89	-48.61	5.01	55.04	Peak	74	Pass
NVNT	n40	2422	-56.47	-56.38	5.01	46.85	Average	54	Pass
NVNT	n40	2422	-34.79	-35.24	5.01	68.27	Peak	74	Pass
NVNT	n40	2422	-52.81	-54.28	5.01	49.79	Average	54	Pass
NVNT	n40	2422	-35.8	-38.72	5.01	66.26	Peak	74	Pass
NVNT	n40	2422	-52.46	-54.18	5.01	50.04	Average	54	Pass
NVNT	n40	2452	-30.83	-34.06	5.01	71.13	Peak	74	Pass
NVNT	n40	2452	-54.82	-52.38	5.01	49.85	Average	54	Pass
NVNT	n40	2452	-31.76	-29.29	5.01	72.93	Peak	74	Pass
NVNT	n40	2452	-55.53	-54.82	5.01	48.12	Average	54	Pass
NVNT	n40	2452	-48.16	-47.06	5.01	55.70	Peak	74	Pass
NVNT	n40	2452	-55.66	-55.63	5.01	47.63	Average	54	Pass