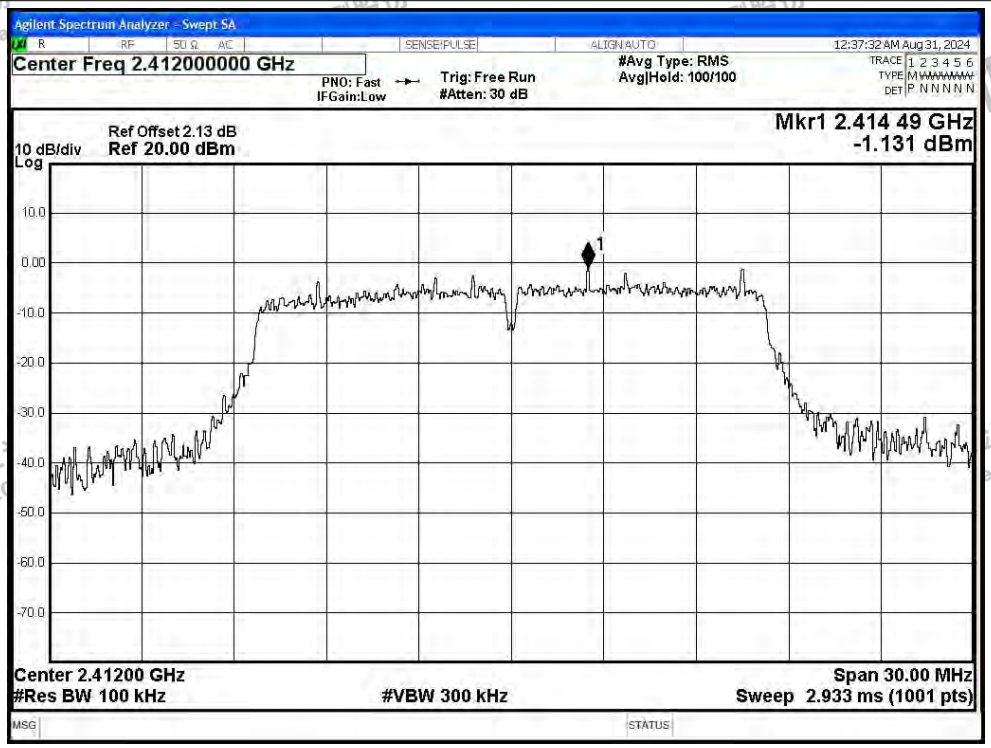
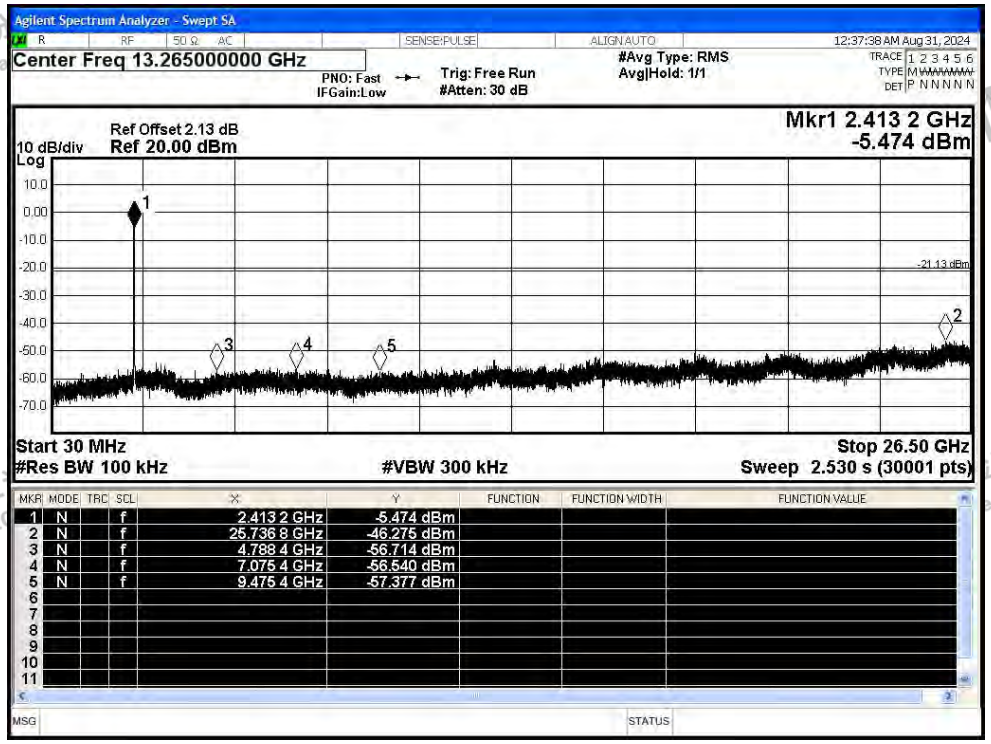
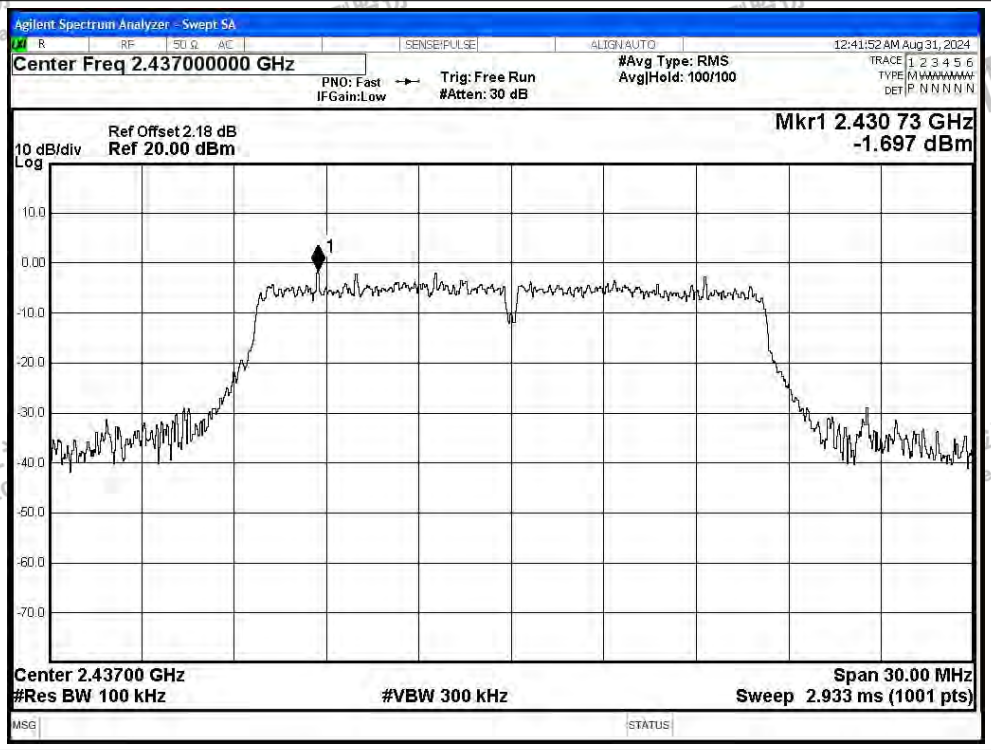
Tx. Spurious NVNT g 2412MHz Ant2 Ref



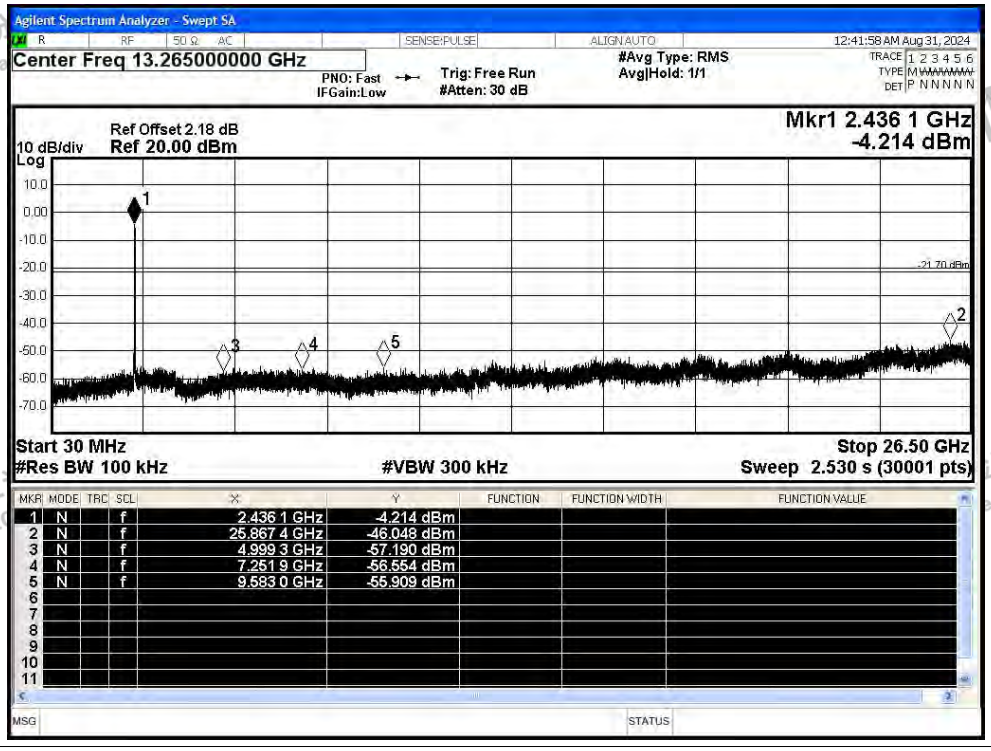
Tx. Spurious NVNT g 2412MHz Ant2 Emission



Tx. Spurious NVNT g 2437MHz Ant2 Ref



Tx. Spurious NVNT g 2437MHz Ant2 Emission



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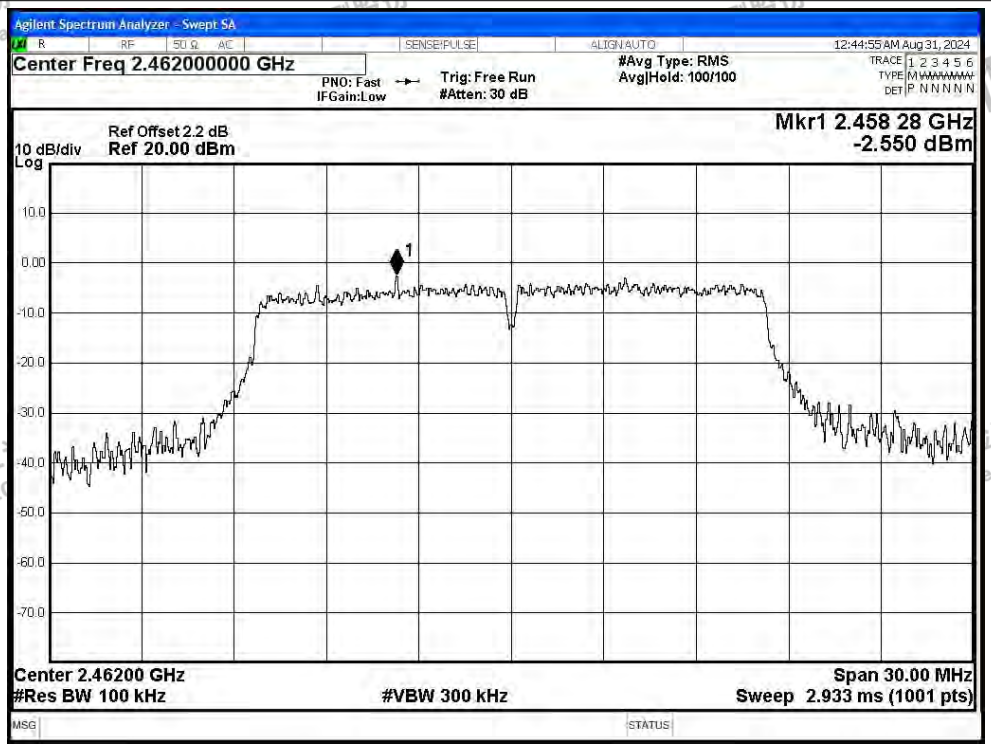
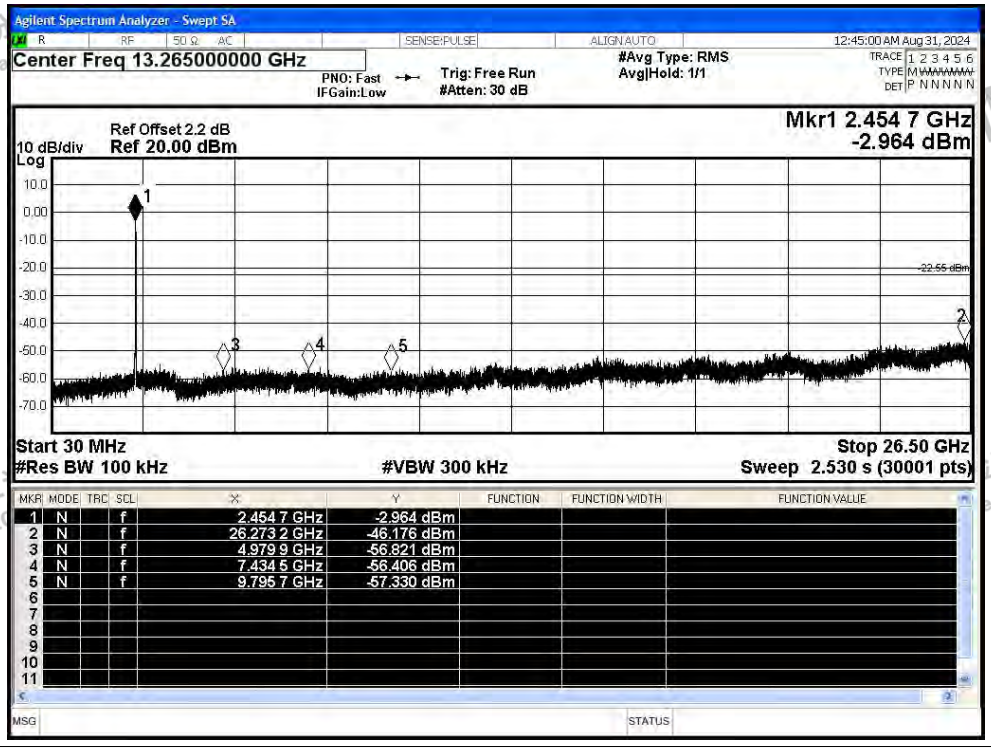
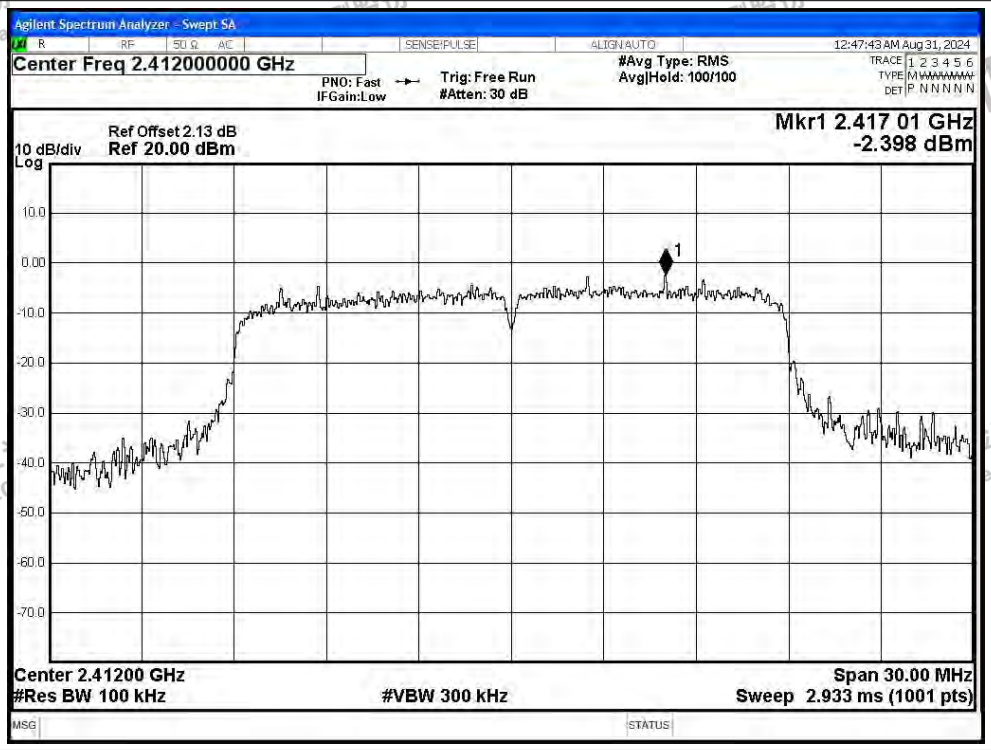


Tx. Spurious NVNT g 2462MHz Ant2 Emission



Tx. Spurious NVNT n20 2412MHz Ant2 Ref



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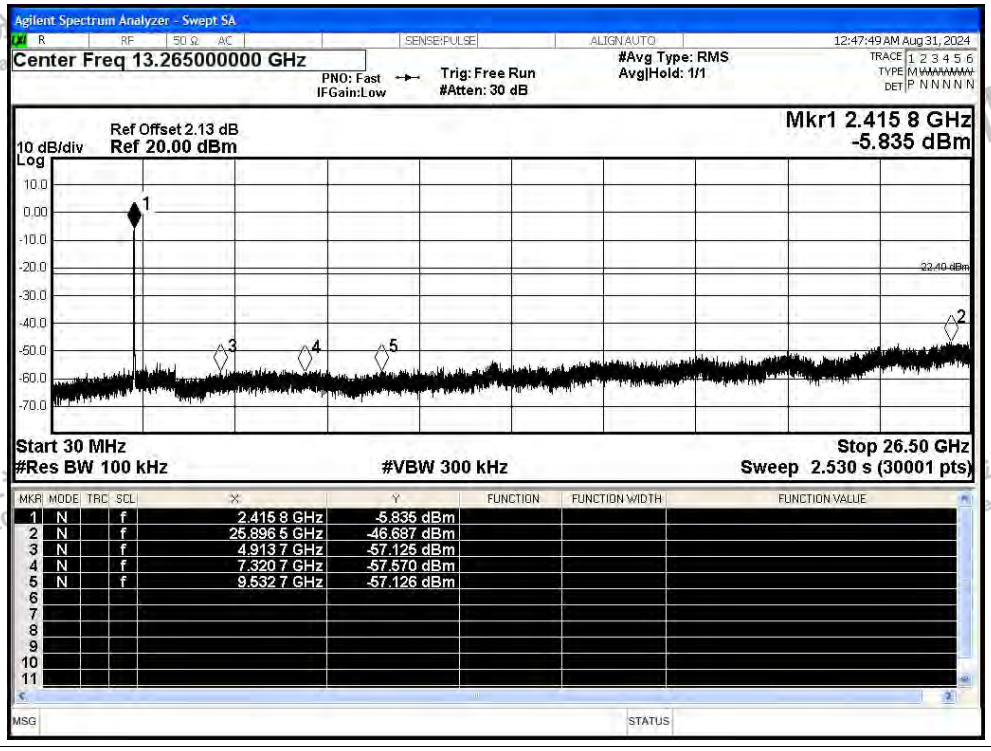

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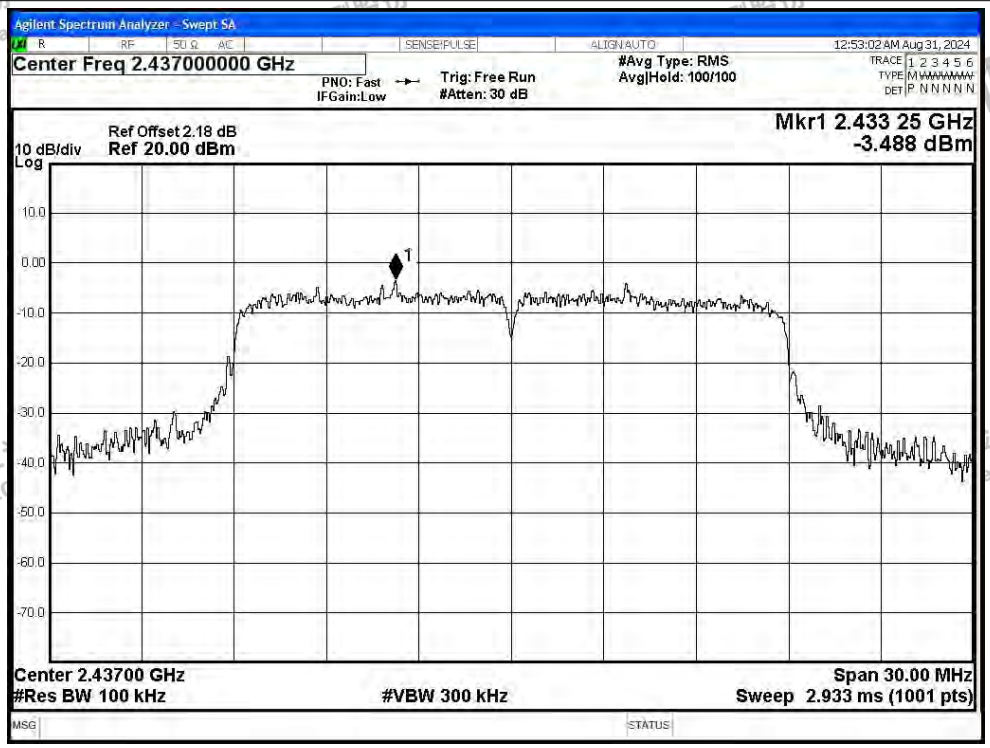

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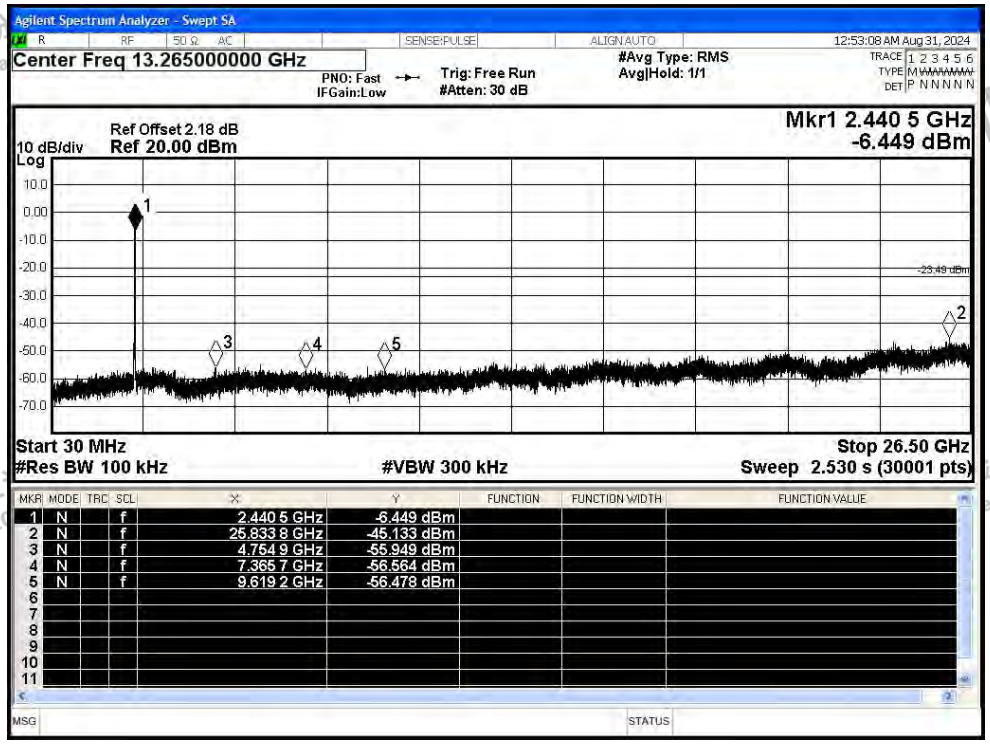

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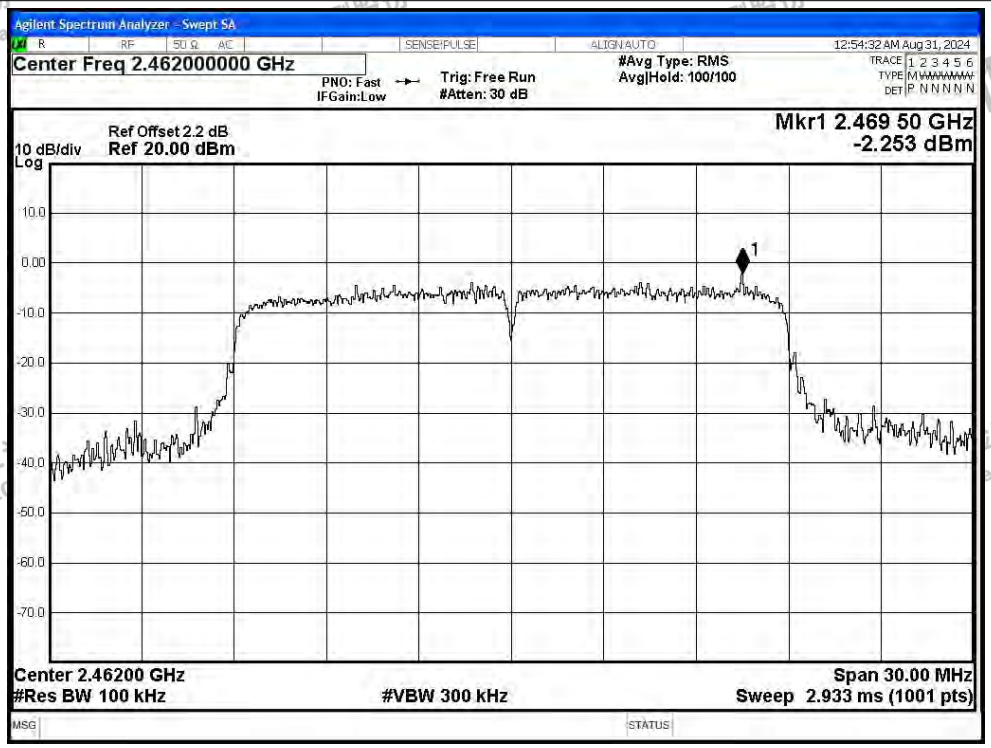

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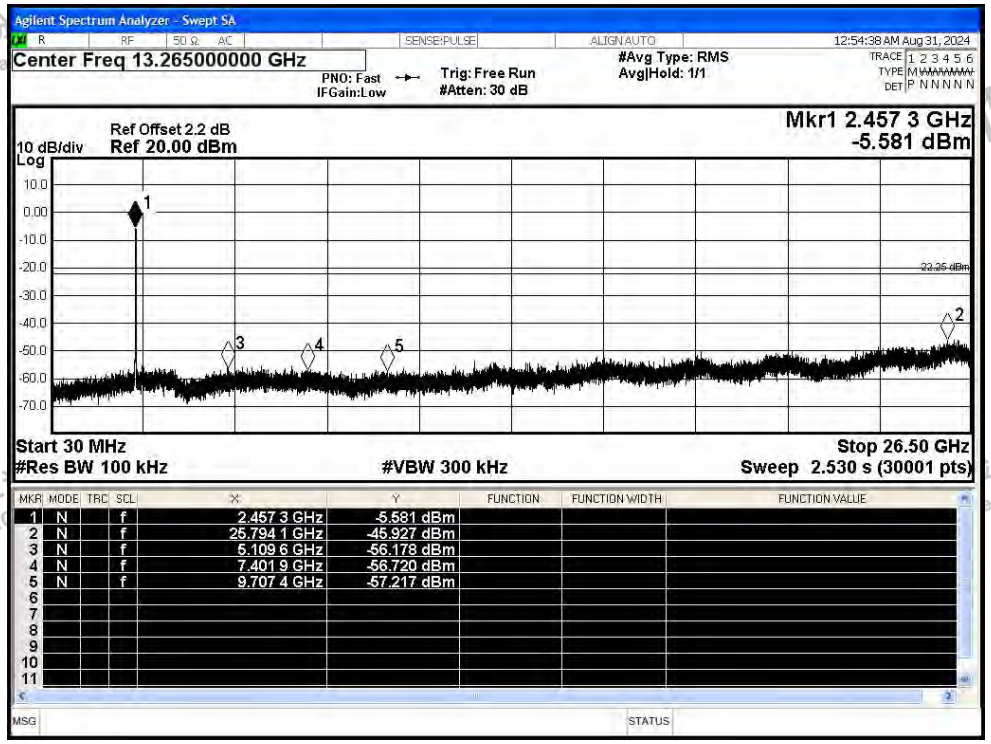
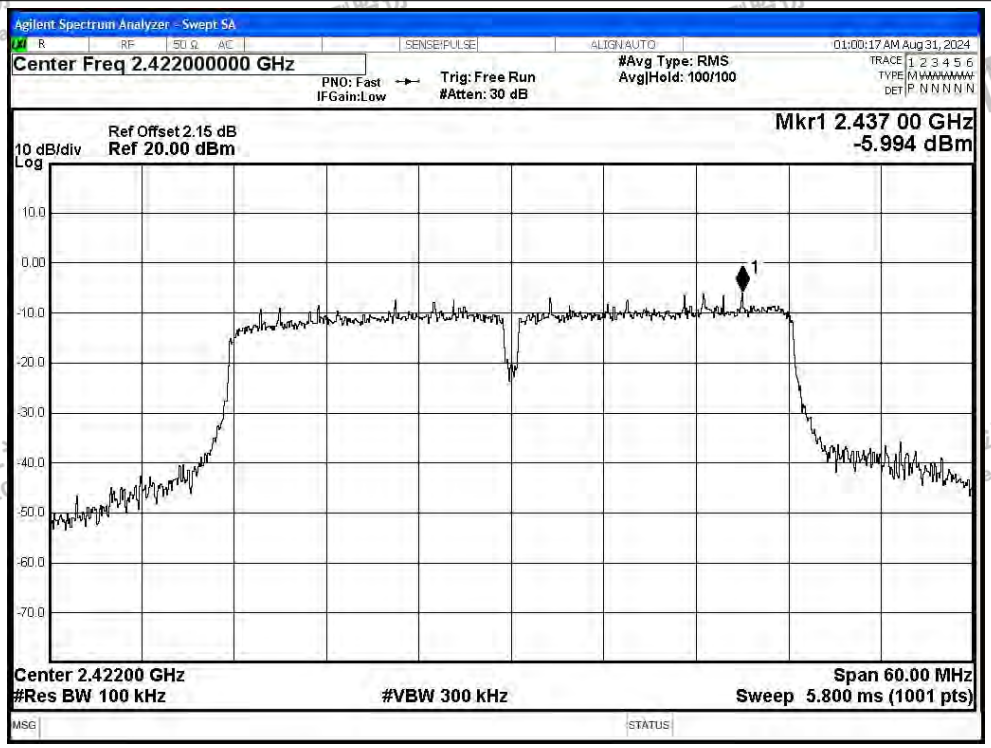
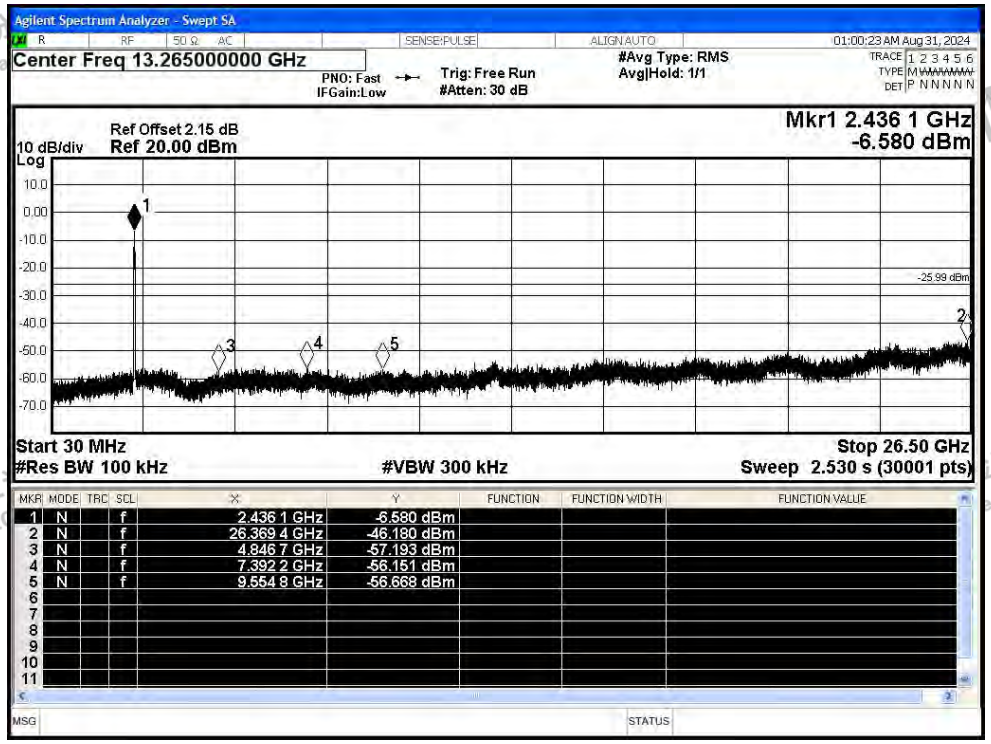


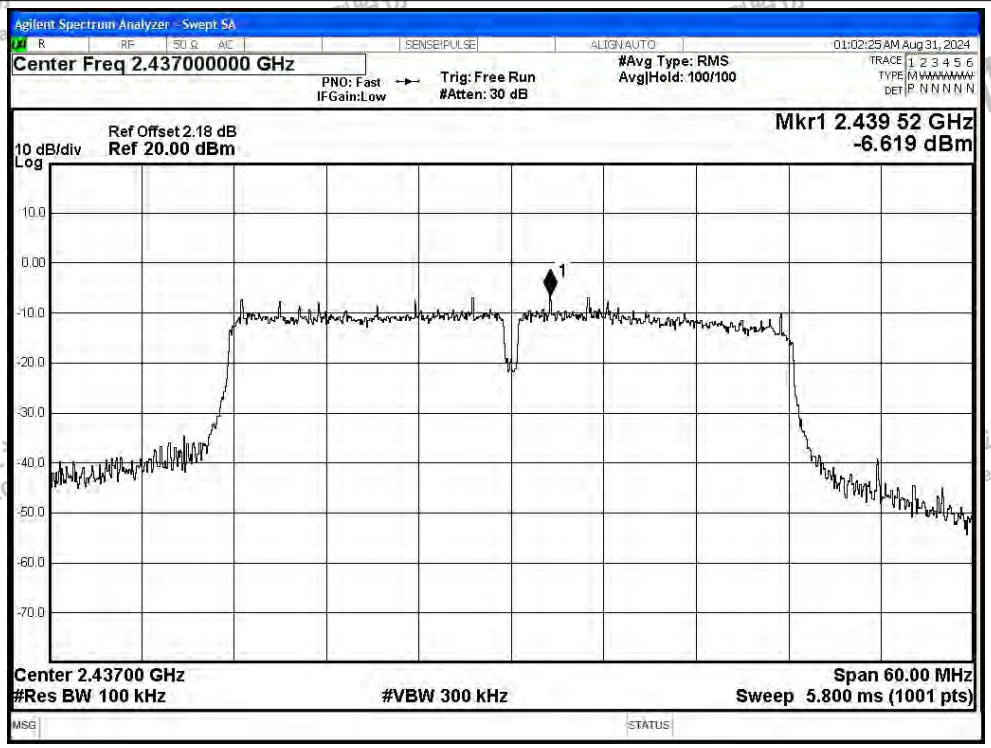
Tx. Spurious NVNT n40 2422MHz Ant2 Ref



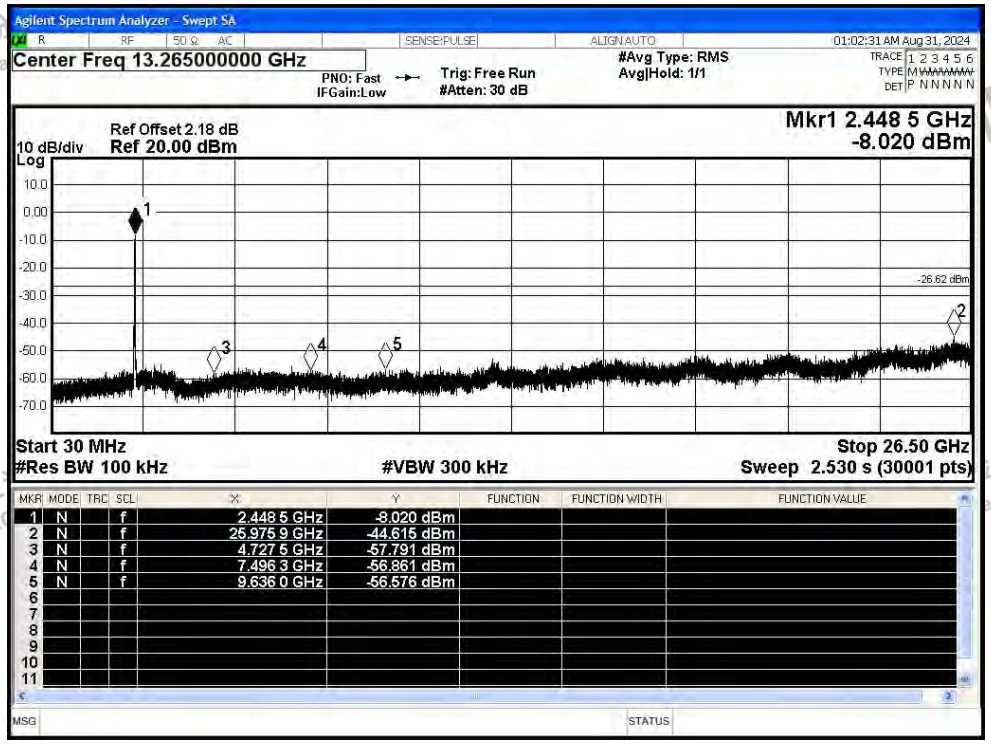
Tx. Spurious NVNT n40 2422MHz Ant2 Emission



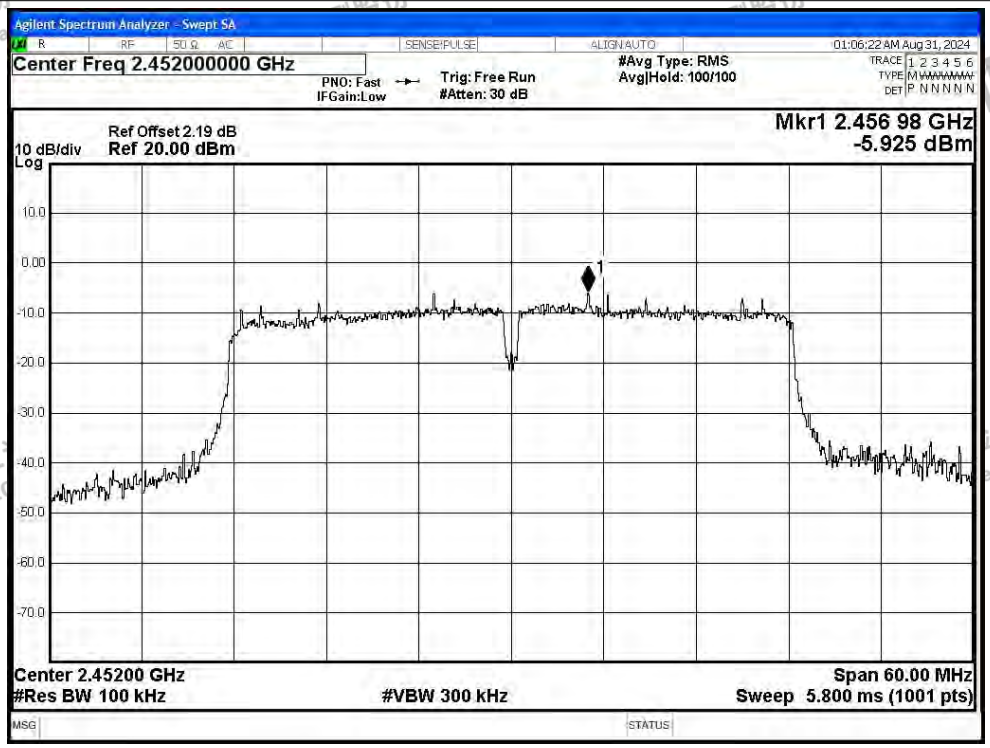
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



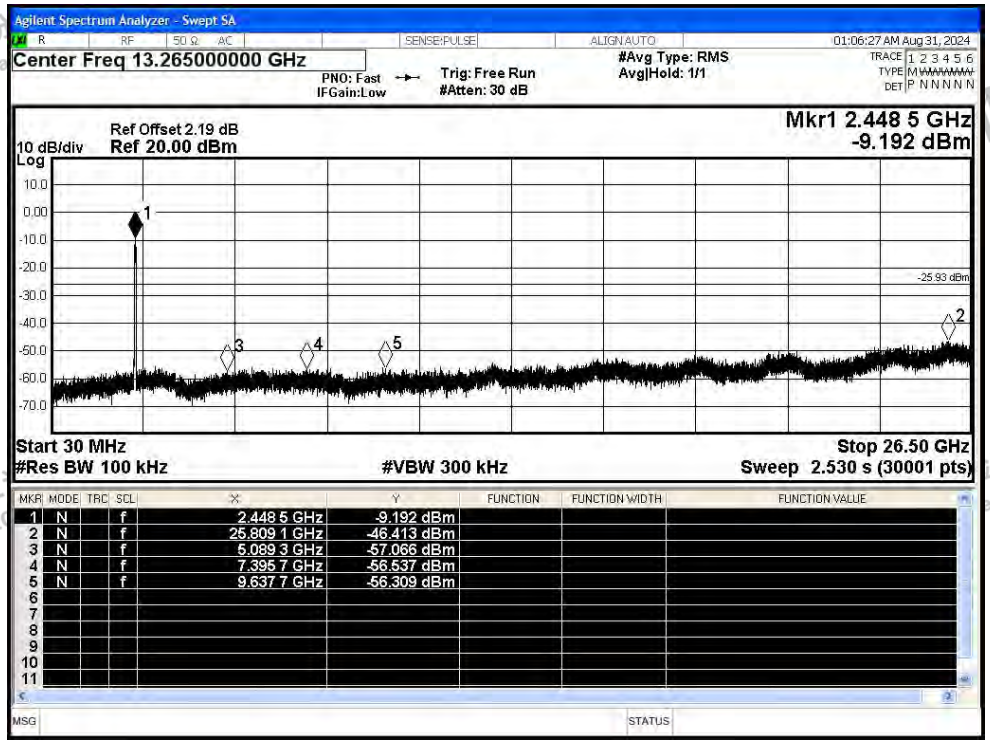
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission

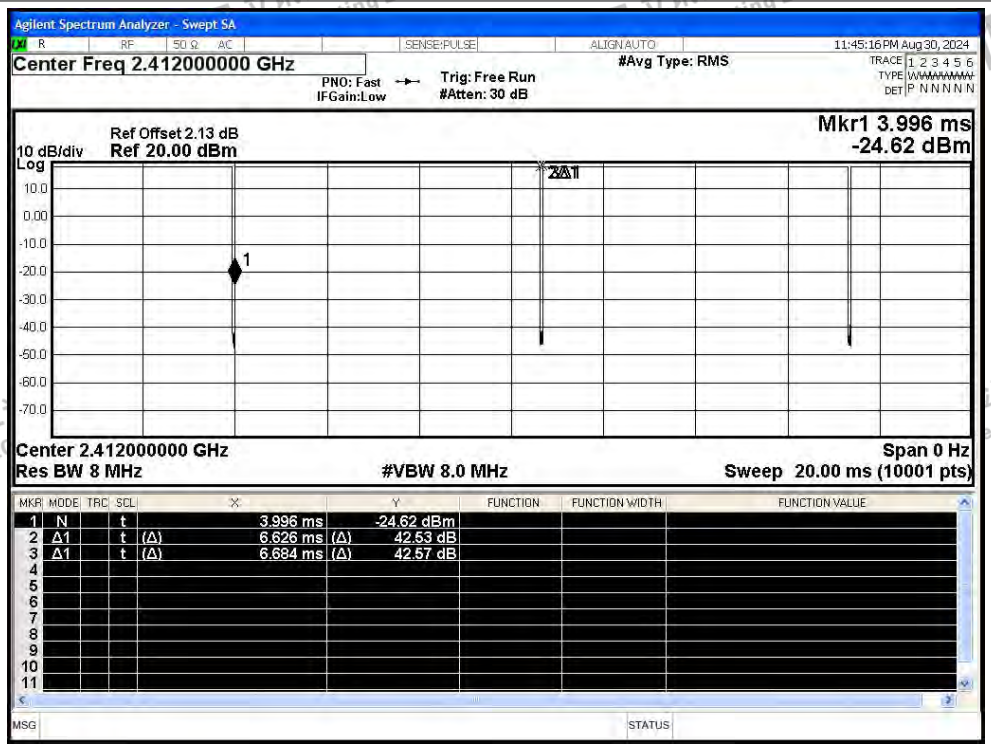


A.6 Duty Cycle

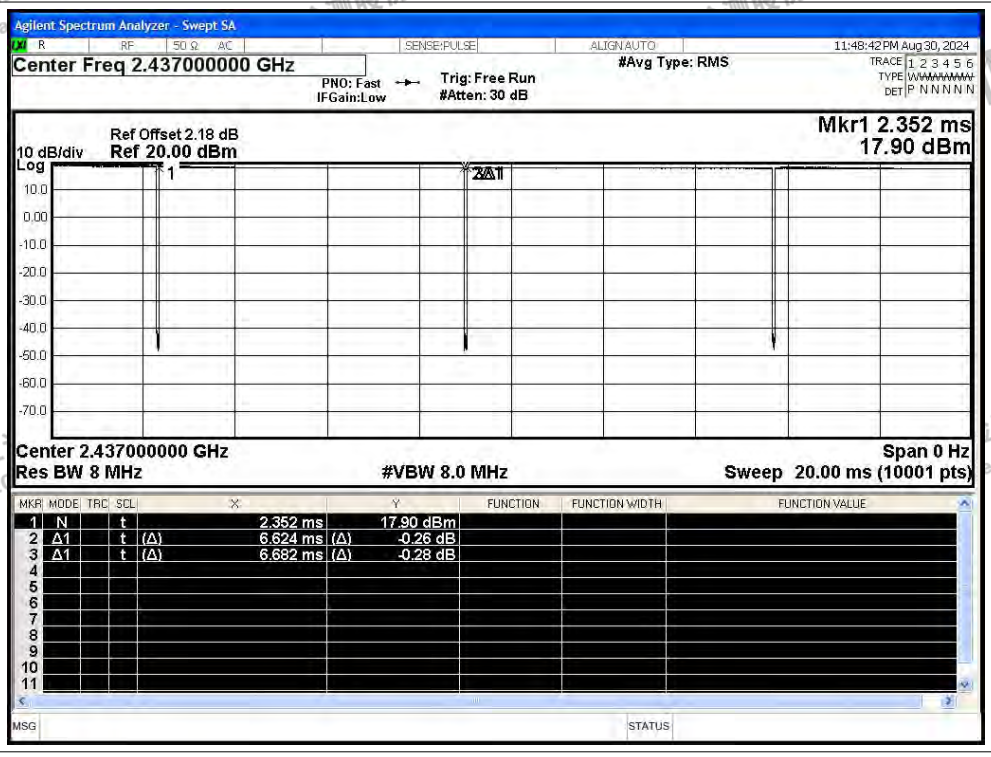
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.13	0	0.15
NVNT	b	2437	Ant1	99.13	0	0.15
NVNT	b	2462	Ant1	99.13	0	0.15
NVNT	g	2412	Ant1	97.68	0.1	0.37
NVNT	g	2437	Ant1	97.75	0.1	0.37
NVNT	g	2462	Ant1	97.75	0.1	0.37
NVNT	n20	2412	Ant1	97.33	0.12	0.44
NVNT	n20	2437	Ant1	97.25	0.12	0.44
NVNT	n20	2462	Ant1	97.33	0.12	0.44
NVNT	n40	2422	Ant1	94.71	0.24	0.9
NVNT	n40	2437	Ant1	94.71	0.24	0.9
NVNT	n40	2452	Ant1	94.7	0.24	0.9

Test Graphs

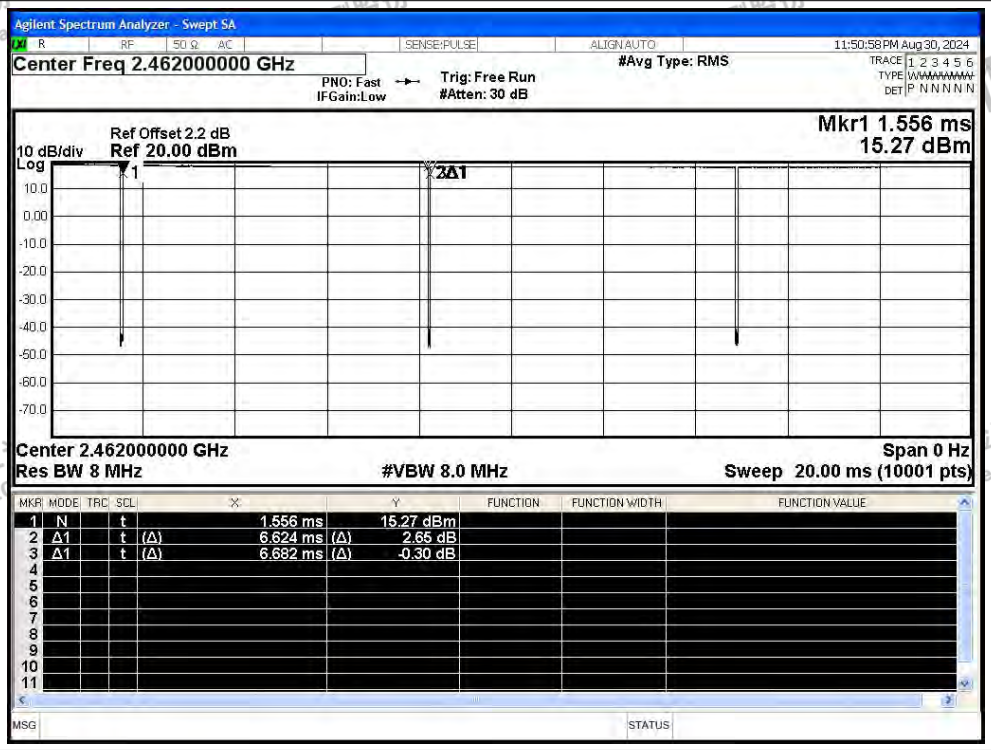
Duty Cycle NVNT b 2412MHz Ant1



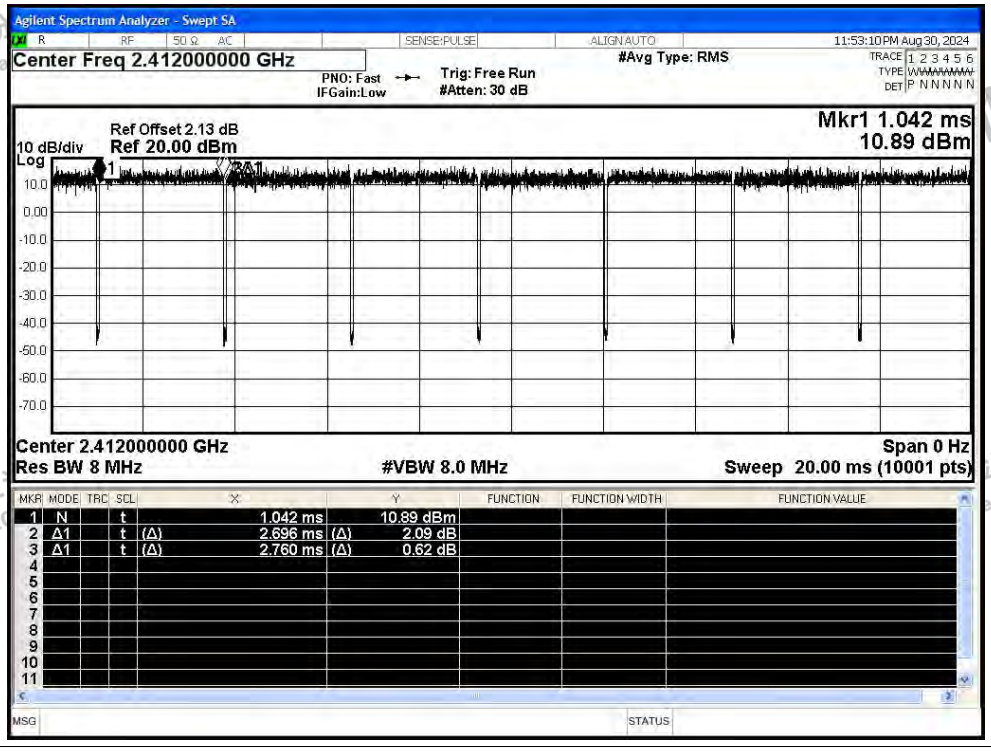
Duty Cycle NVNT b 2437MHz Ant1



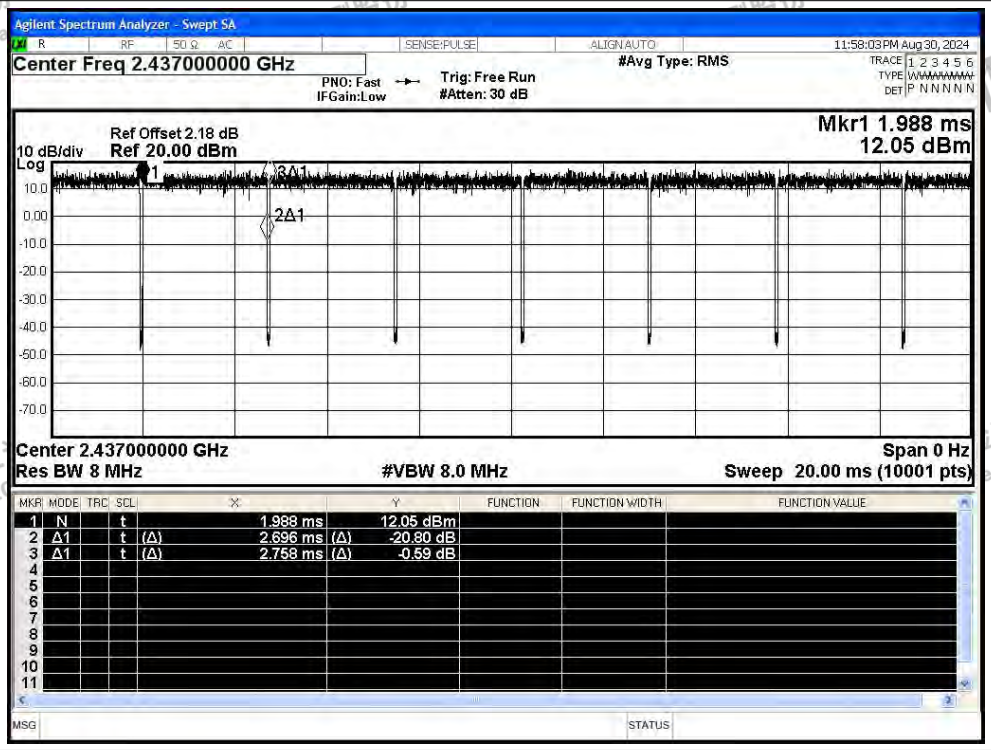
Duty Cycle NVNT b 2462MHz Ant1



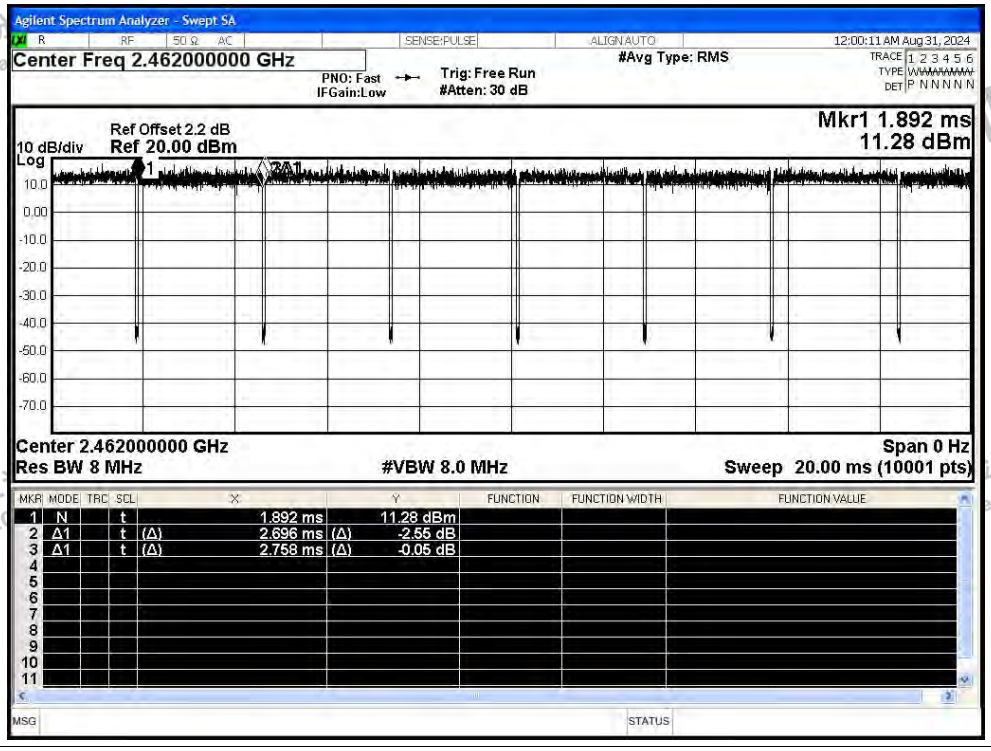
Duty Cycle NVNT g 2412MHz Ant1



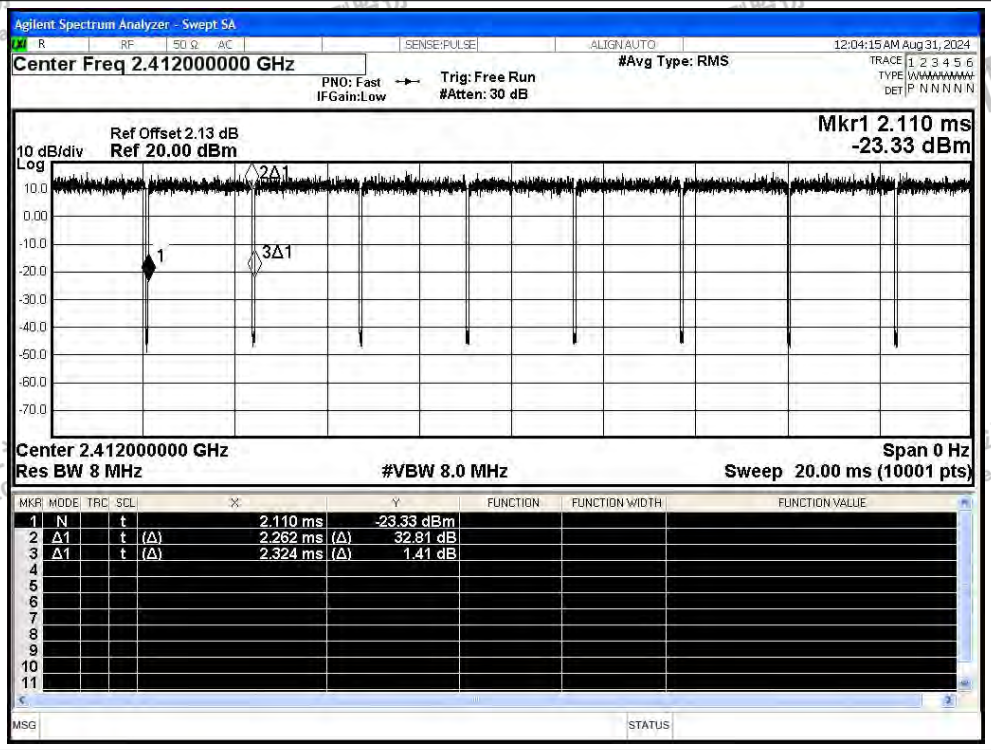
Duty Cycle NVNT g 2437MHz Ant1



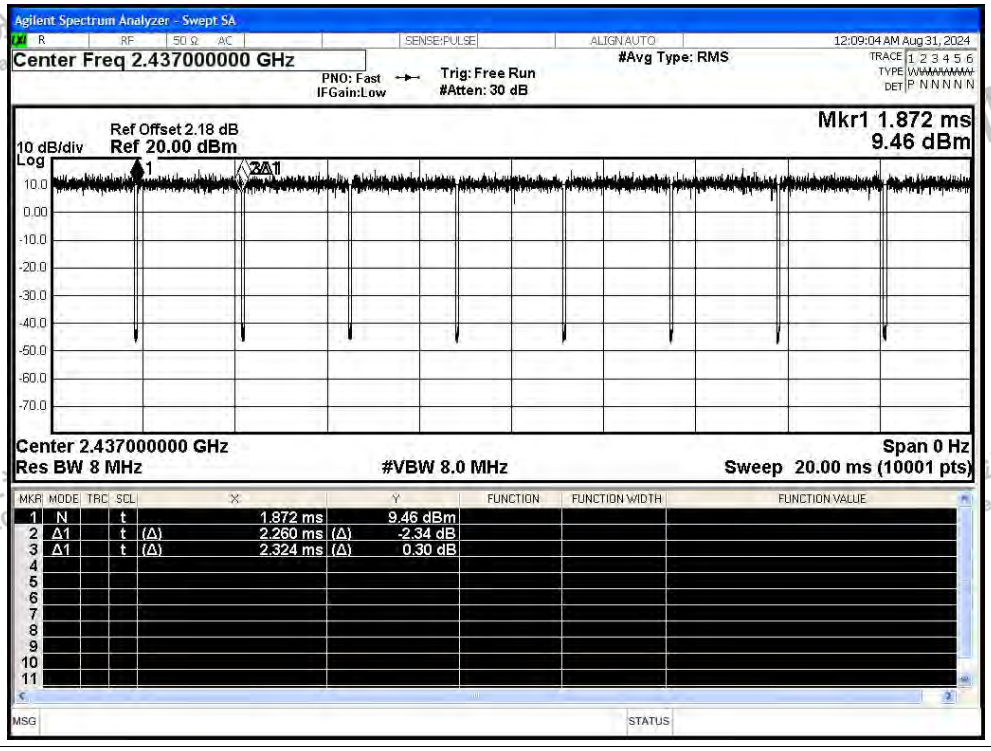
Duty Cycle NVNT g 2462MHz Ant1



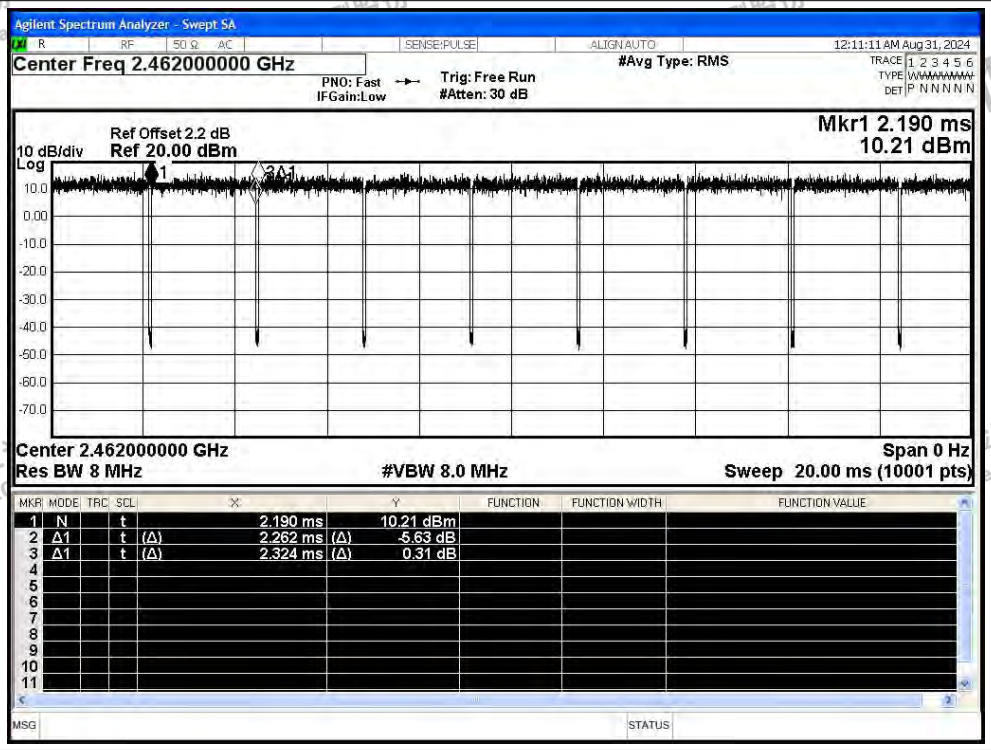
Duty Cycle NVNT n20 2412MHz Ant1



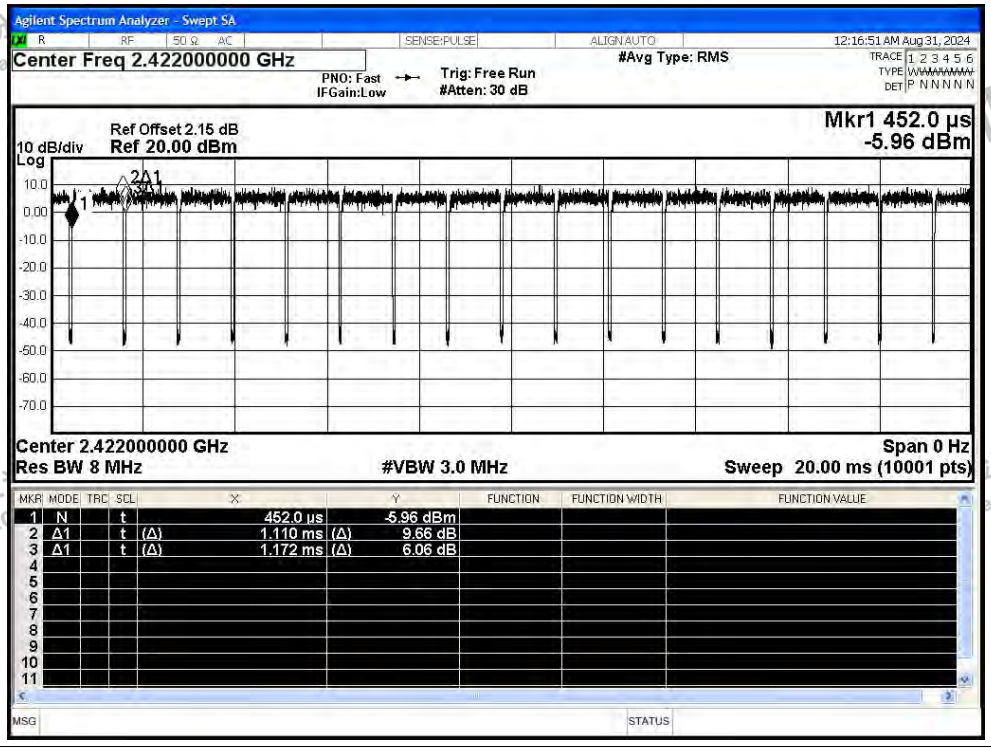
Duty Cycle NVNT n20 2437MHz Ant1



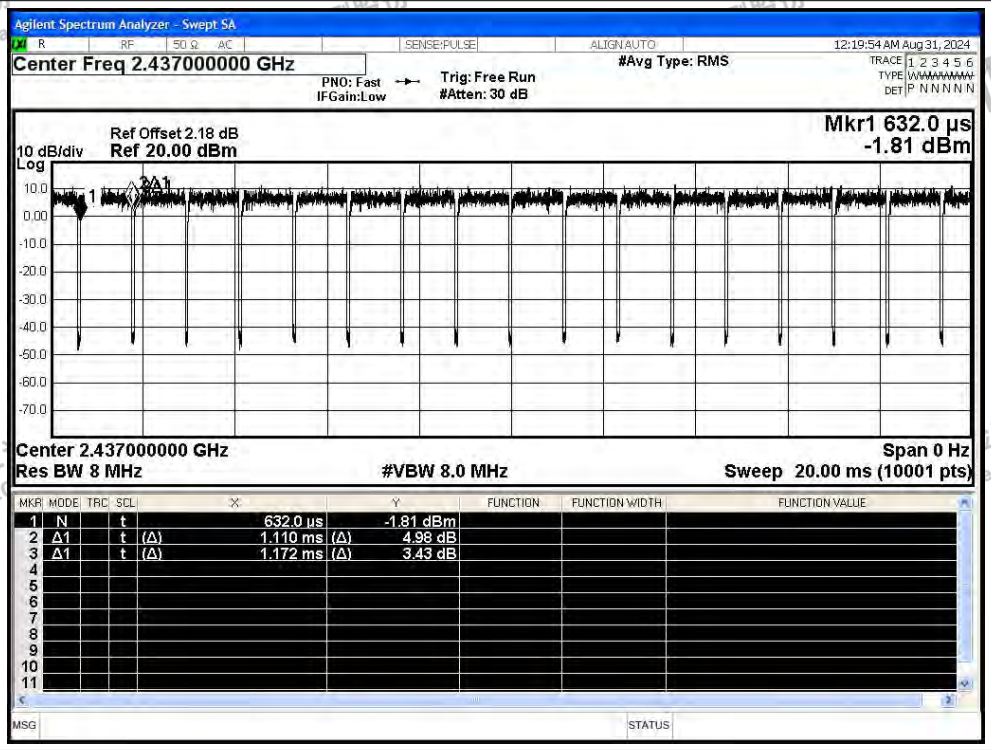
Duty Cycle NVNT n20 2462MHz Ant1



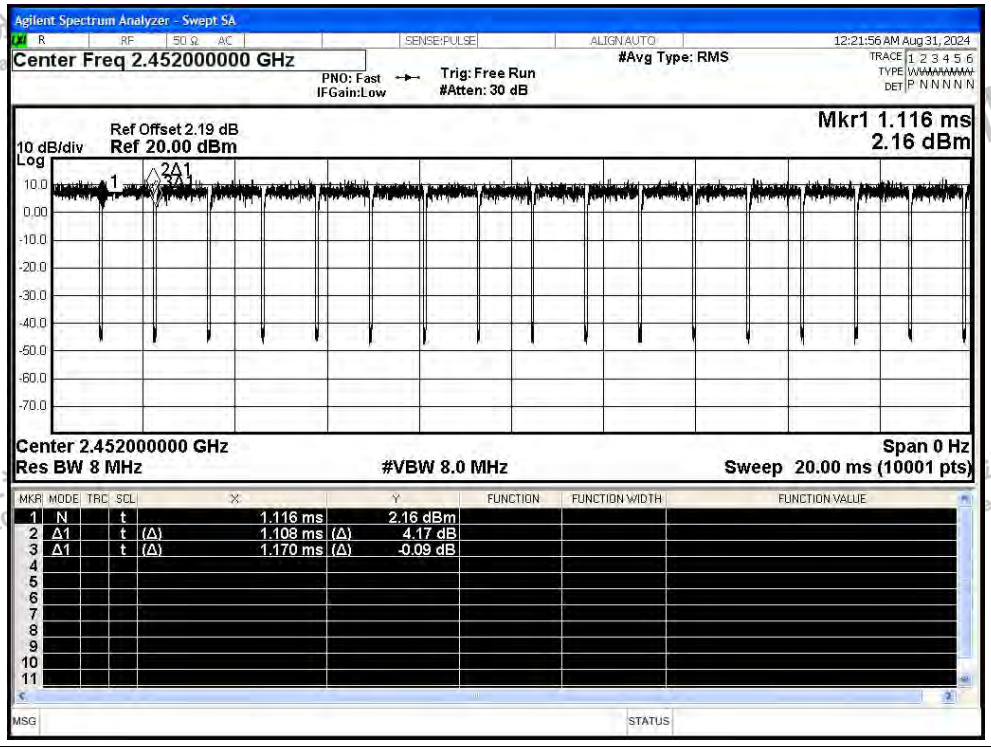
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



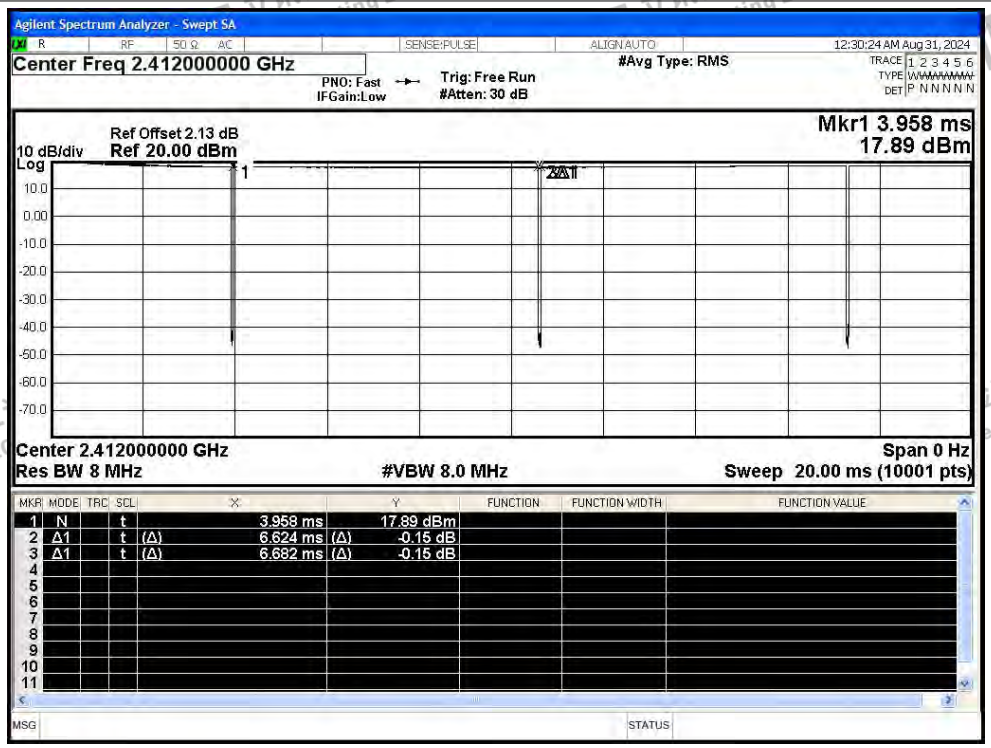
Duty Cycle NVNT n40 2452MHz Ant1



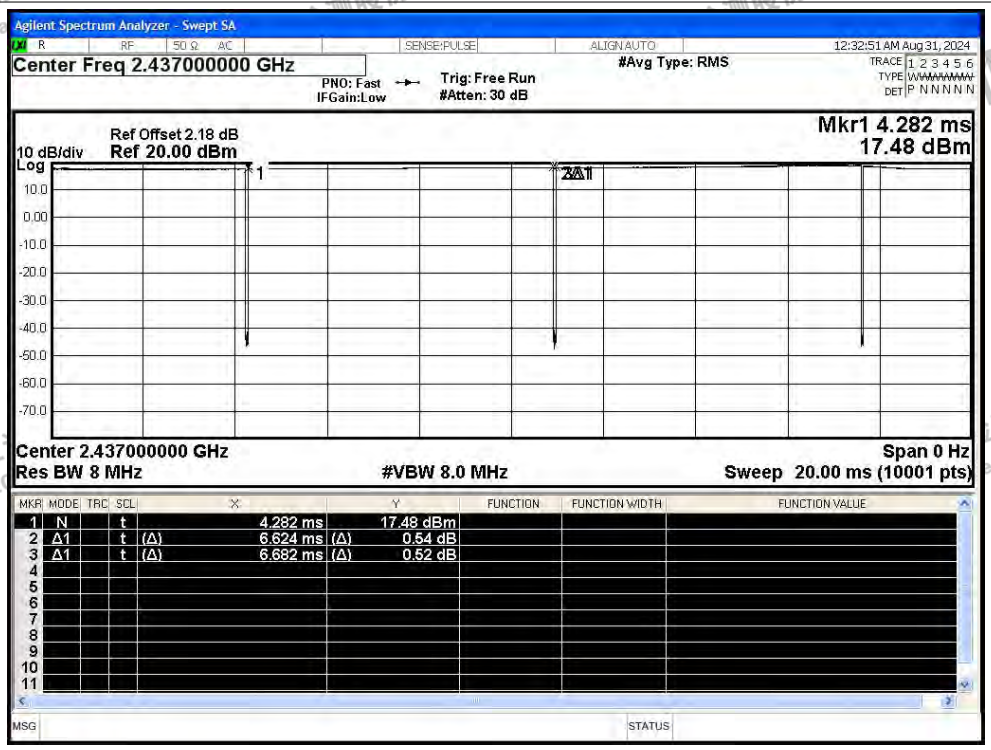
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant2	99.13	0	0.15
NVNT	b	2437	Ant2	99.13	0	0.15
NVNT	b	2462	Ant2	99.16	0	0.15
NVNT	g	2412	Ant2	97.75	0.1	0.37
NVNT	g	2437	Ant2	97.75	0.1	0.37
NVNT	g	2462	Ant2	97.75	0.1	0.37
NVNT	n20	2412	Ant2	97.25	0.12	0.44
NVNT	n20	2437	Ant2	97.25	0.12	0.44
NVNT	n20	2462	Ant2	97.25	0.12	0.44
NVNT	n40	2422	Ant2	94.7	0.24	0.9
NVNT	n40	2437	Ant2	94.71	0.24	0.9
NVNT	n40	2452	Ant2	94.7	0.24	0.9

Test Graphs

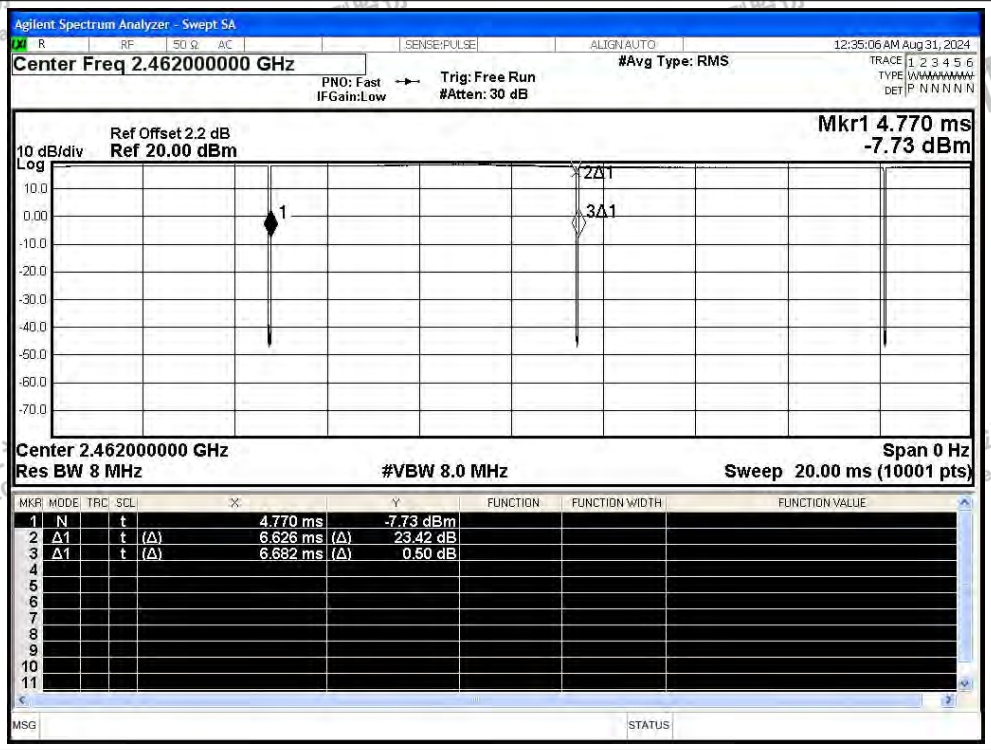
Duty Cycle NVNT b 2412MHz Ant2



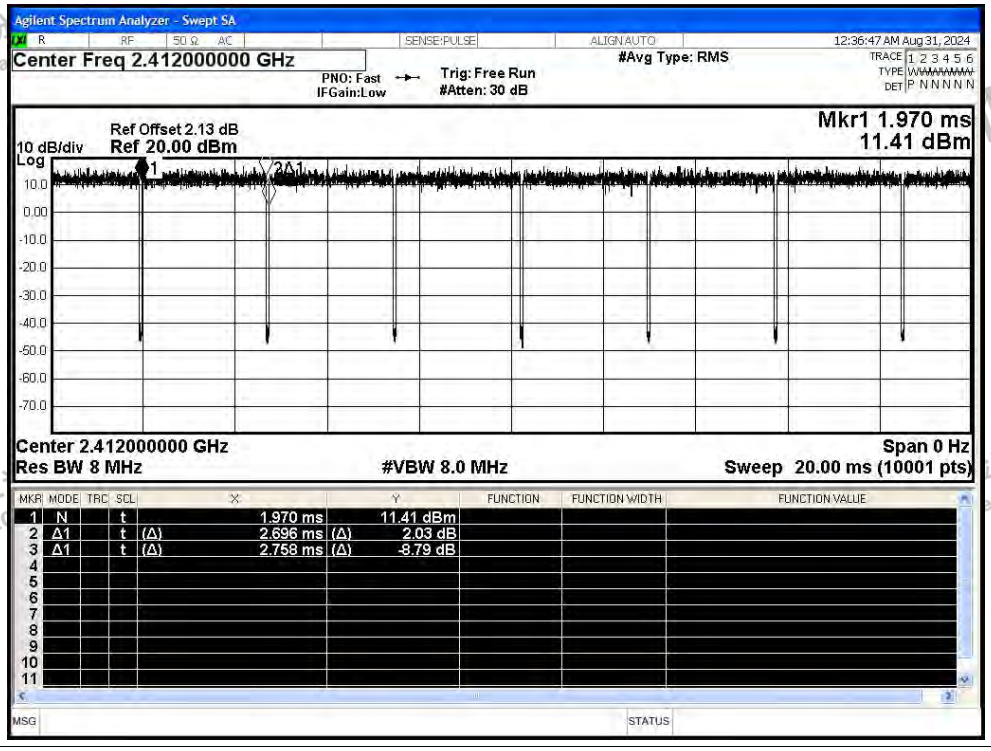
Duty Cycle NVNT b 2437MHz Ant2



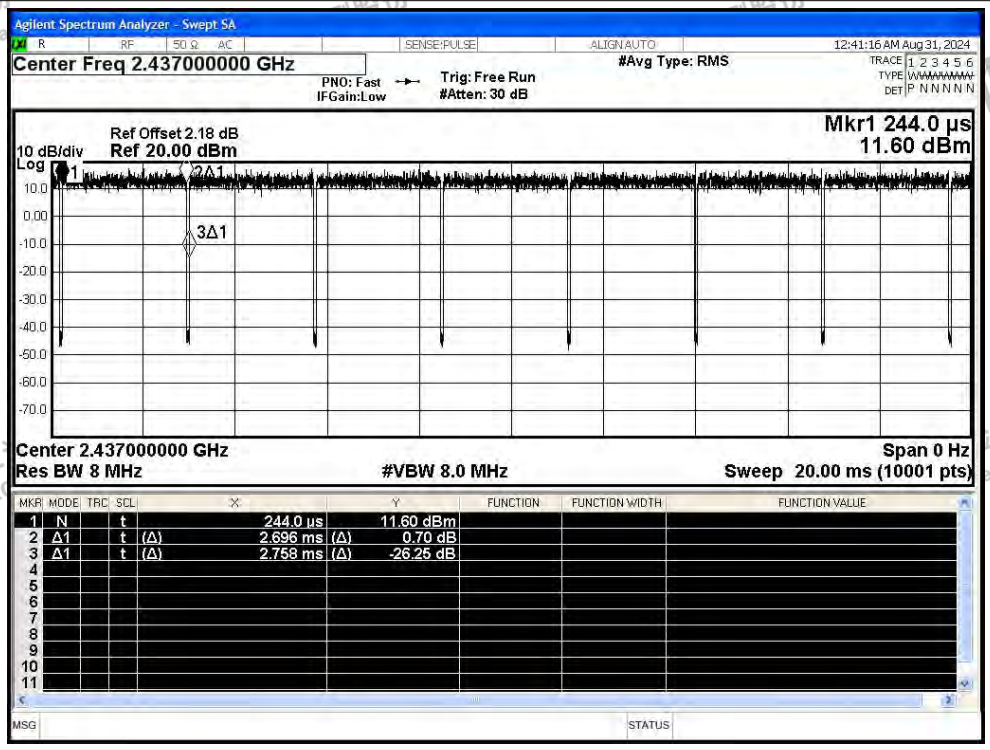
Duty Cycle NVNT b 2462MHz Ant2



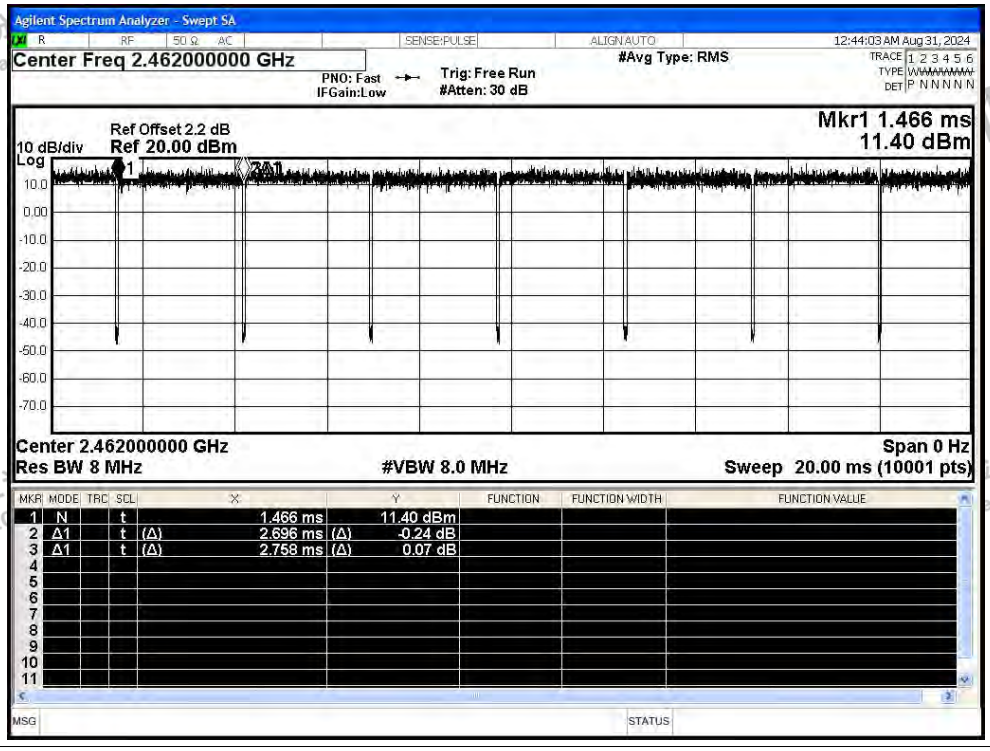
Duty Cycle NVNT g 2412MHz Ant2



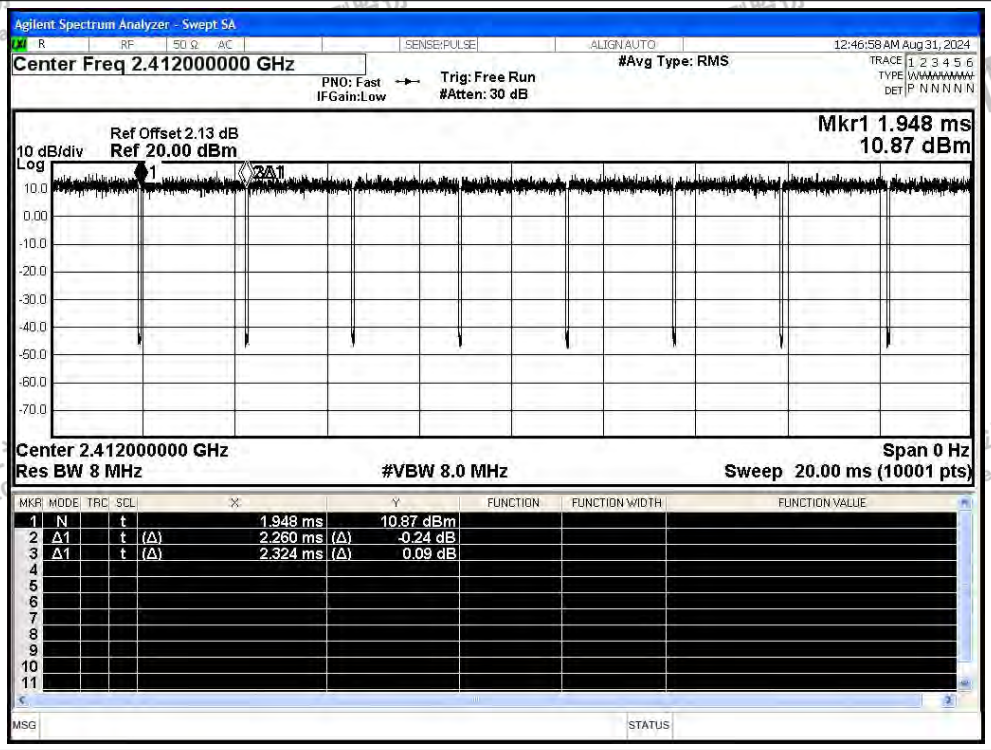
Duty Cycle NVNT g 2437MHz Ant2



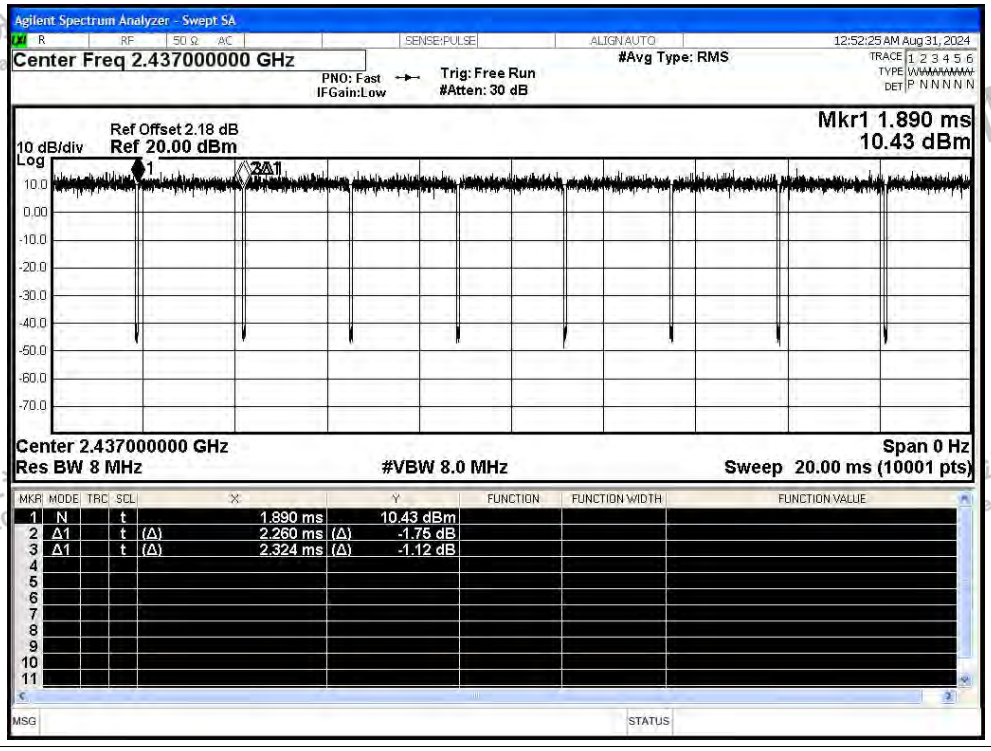
Duty Cycle NVNT g 2462MHz Ant2



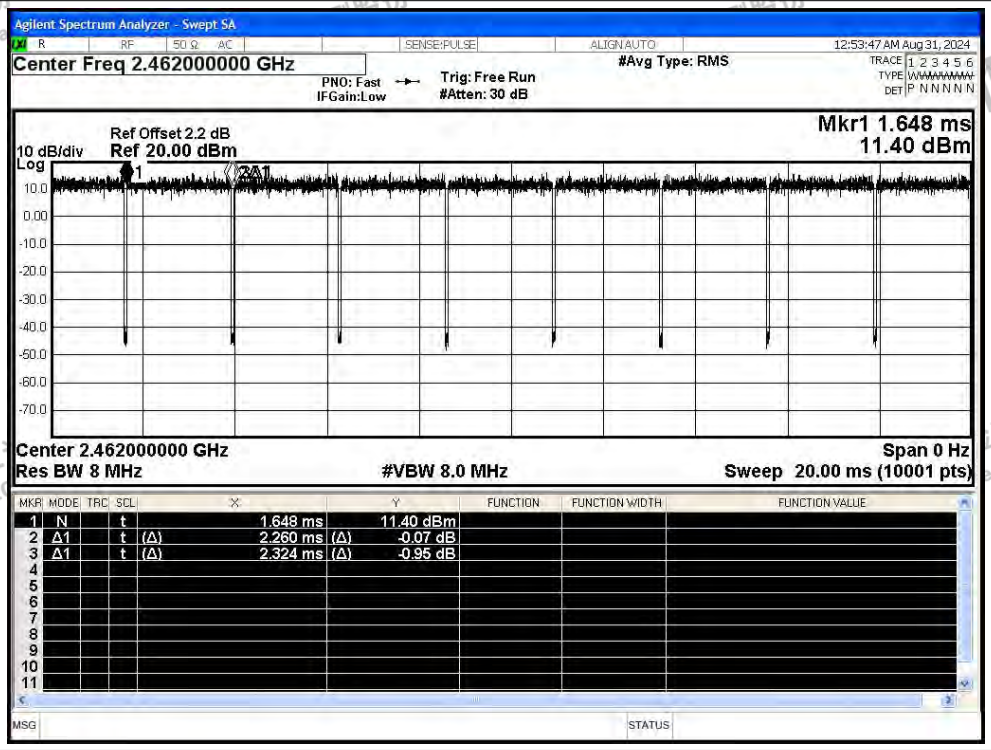
Duty Cycle NVNT n20 2412MHz Ant2



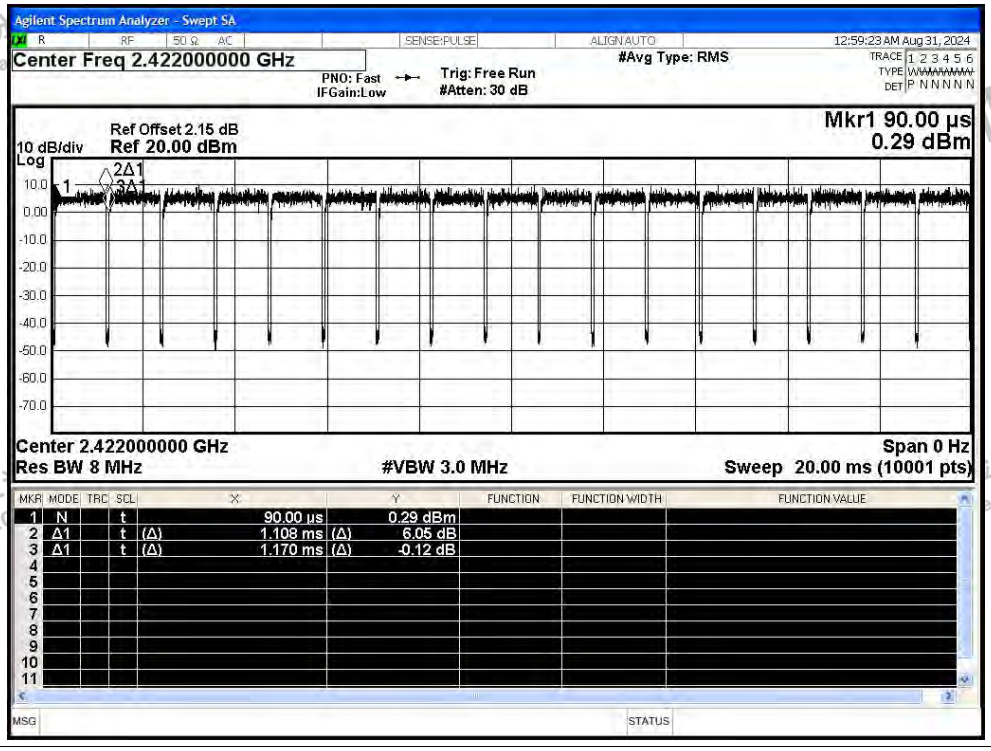
Duty Cycle NVNT n20 2437MHz Ant2



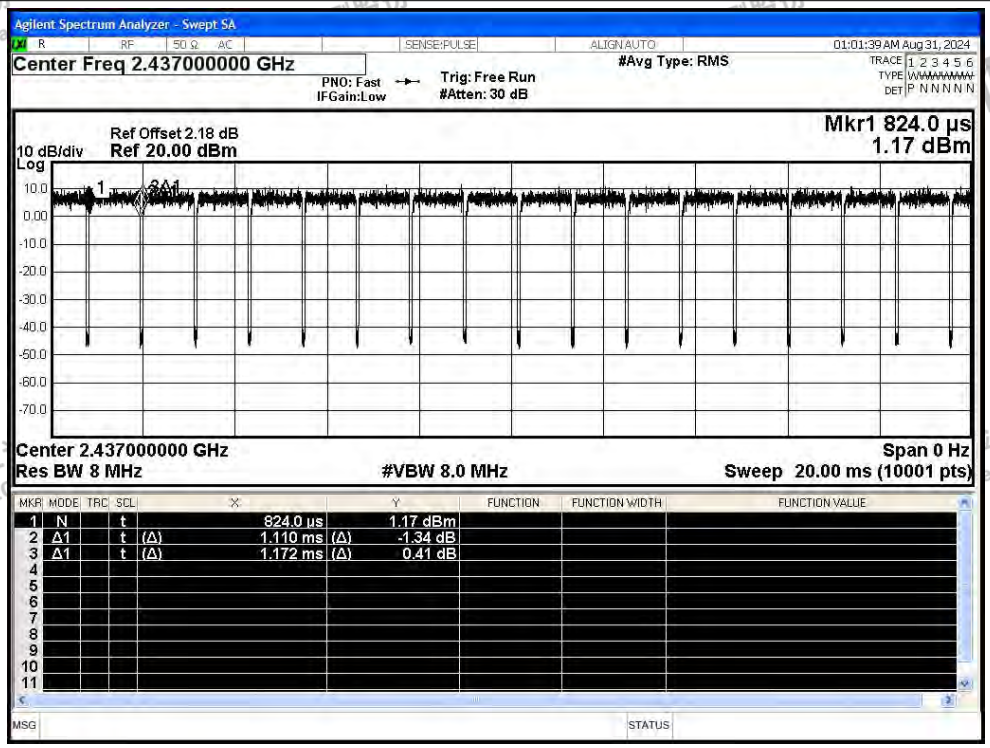
Duty Cycle NVNT n20 2462MHz Ant2



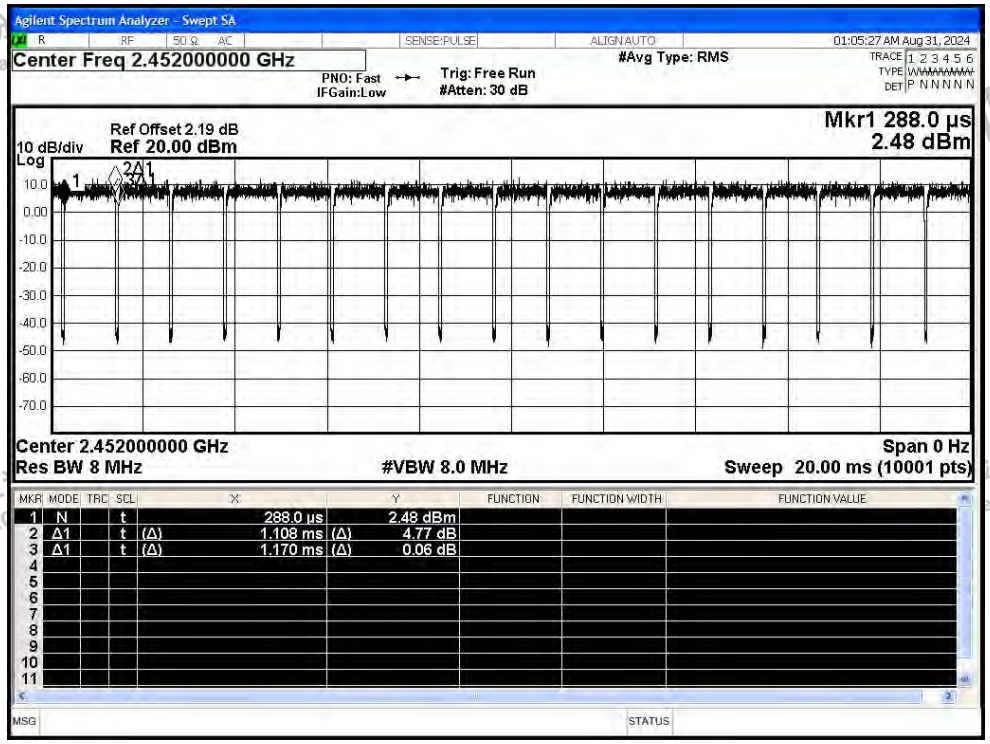
Duty Cycle NVNT n40 2422MHz Ant2



Duty Cycle NVNT n40 2437MHz Ant2



Duty Cycle NVNT n40 2452MHz Ant2



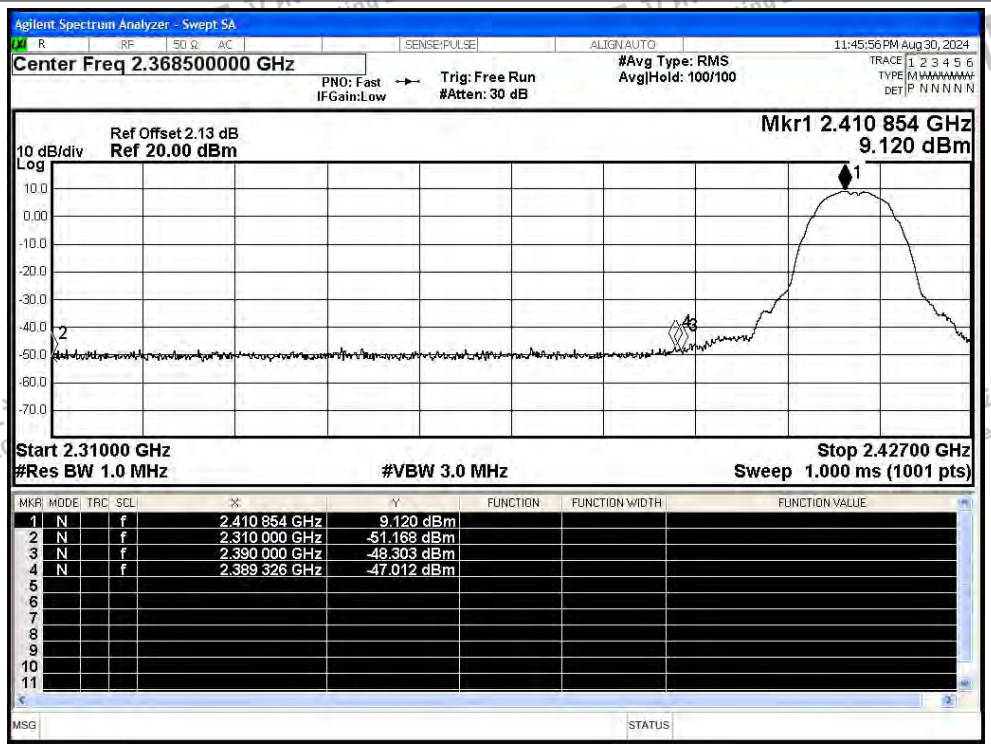
A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-51.17	3	-	47.09	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-58.36	3	0	39.90	Average	54	Pass
NVNT	b	2412	Ant1	2389.326	-47.01	3	-	51.25	Peak	74	Pass
NVNT	b	2412	Ant1	2389.326	-55.25	3	0	43.01	Average	54	Pass
NVNT	b	2412	Ant1	2390	-48.3	3	-	49.96	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-56.13	3	0	42.13	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-45.91	3	-	52.35	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-53.61	3	0	44.65	Average	54	Pass
NVNT	b	2462	Ant1	2483.994	-42.91	3	-	55.35	Peak	74	Pass
NVNT	b	2462	Ant1	2483.888	-52.75	3	0	45.51	Average	54	Pass
NVNT	b	2462	Ant1	2500	-49.4	3	-	48.86	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-57.49	3	0	40.77	Average	54	Pass
NVNT	g	2412	Ant1	2310	-49.65	3	-	48.61	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-58.46	3	0.1	39.90	Average	54	Pass
NVNT	g	2412	Ant1	2389.911	-41.87	3	-	56.39	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-54.85	3	0.1	43.51	Average	54	Pass
NVNT	g	2412	Ant1	2390	-41.22	3	-	57.04	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-55.03	3	0.1	43.33	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-36.94	3	-	61.32	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-51.96	3	0.1	46.40	Average	54	Pass
NVNT	g	2462	Ant1	2483.57	-34.17	3	-	64.09	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-51.96	3	0.1	46.40	Average	54	Pass
NVNT	g	2462	Ant1	2500	-49.35	3	-	48.91	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-57.79	3	0.1	40.57	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-49	3	-	49.26	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-58.56	3	0.12	39.82	Average	54	Pass
NVNT	n20	2412	Ant1	2389.794	-41.55	3	-	56.71	Peak	74	Pass
NVNT	n20	2412	Ant1	2389.911	-55.71	3	0.12	42.67	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-39.24	3	-	59.02	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-56.05	3	0.12	42.33	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-42.47	3	-	55.79	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-53.23	3	0.12	45.15	Average	54	Pass
NVNT	n20	2462	Ant1	2484.047	-36.33	3	-	61.93	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.729	-51.98	3	0.12	46.40	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-51.06	3	-	47.20	Peak	74	Pass
NVNT	n20	2462	Ant1	2500	-57.29	3	0.12	41.09	Average	54	Pass
NVNT	n40	2422	Ant1	2310	-50.01	3	-	48.25	Peak	74	Pass
NVNT	n40	2422	Ant1	2310	-59.31	3	0.24	39.19	Average	54	Pass

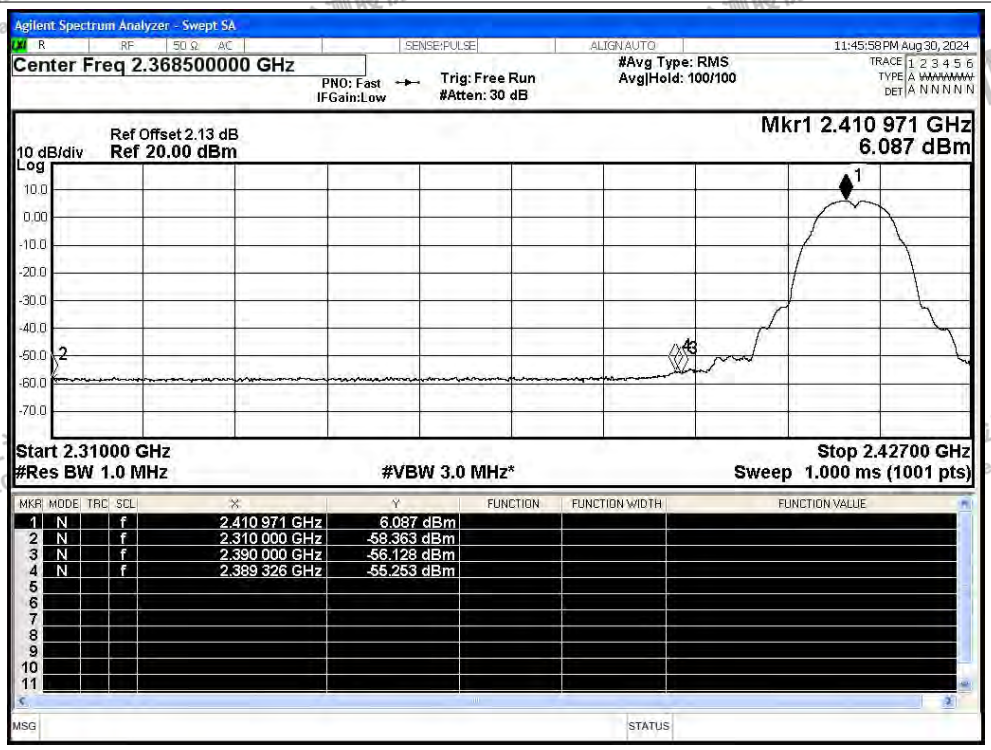
NVNT	n40	2422	Ant1	2389.946	-38.39	3	-	59.87	Peak	74	Pass
NVNT	n40	2422	Ant1	2389.946	-52.92	3	0.24	45.58	Average	54	Pass
NVNT	n40	2422	Ant1	2390	-38.39	3	-	59.87	Peak	74	Pass
NVNT	n40	2422	Ant1	2390	-52.92	3	0.24	45.58	Average	54	Pass
NVNT	n40	2452	Ant1	2483.5	-40.49	3	-	57.77	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.5	-53.35	3	0.24	45.15	Average	54	Pass
NVNT	n40	2452	Ant1	2484.712	-38.59	3	-	59.67	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.698	-52.57	3	0.24	45.93	Average	54	Pass
NVNT	n40	2452	Ant1	2500	-49.53	3	-	48.73	Peak	74	Pass
NVNT	n40	2452	Ant1	2500	-58.09	3	0.24	40.41	Average	54	Pass

Test Graphs

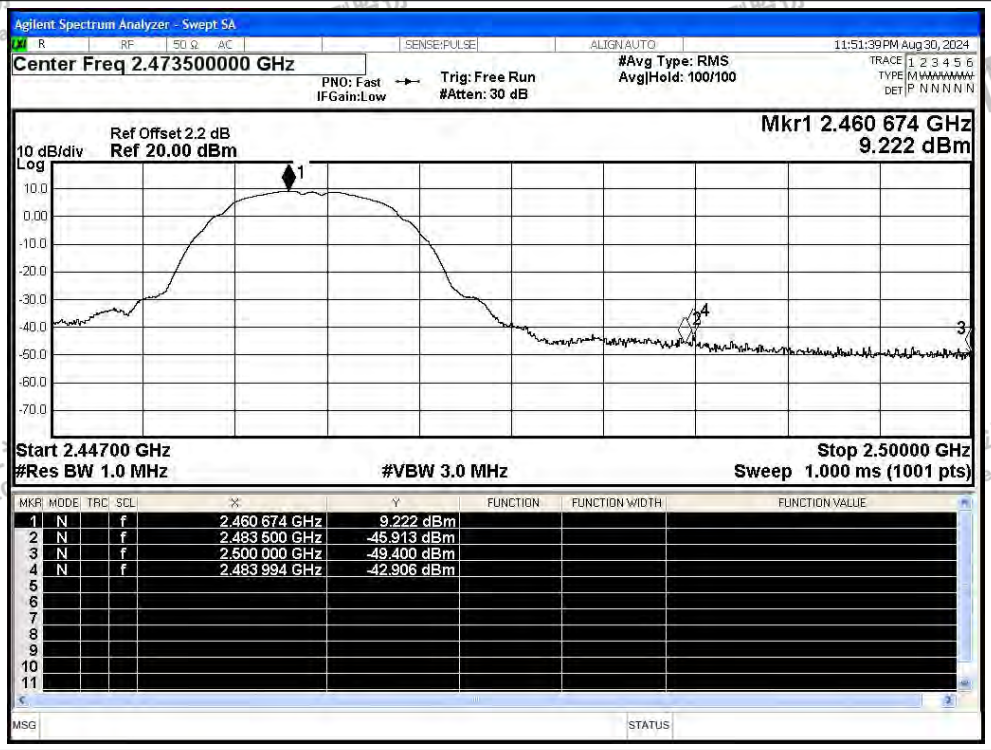
Restrict Band NVNT b 2412MHz Ant1 Peak



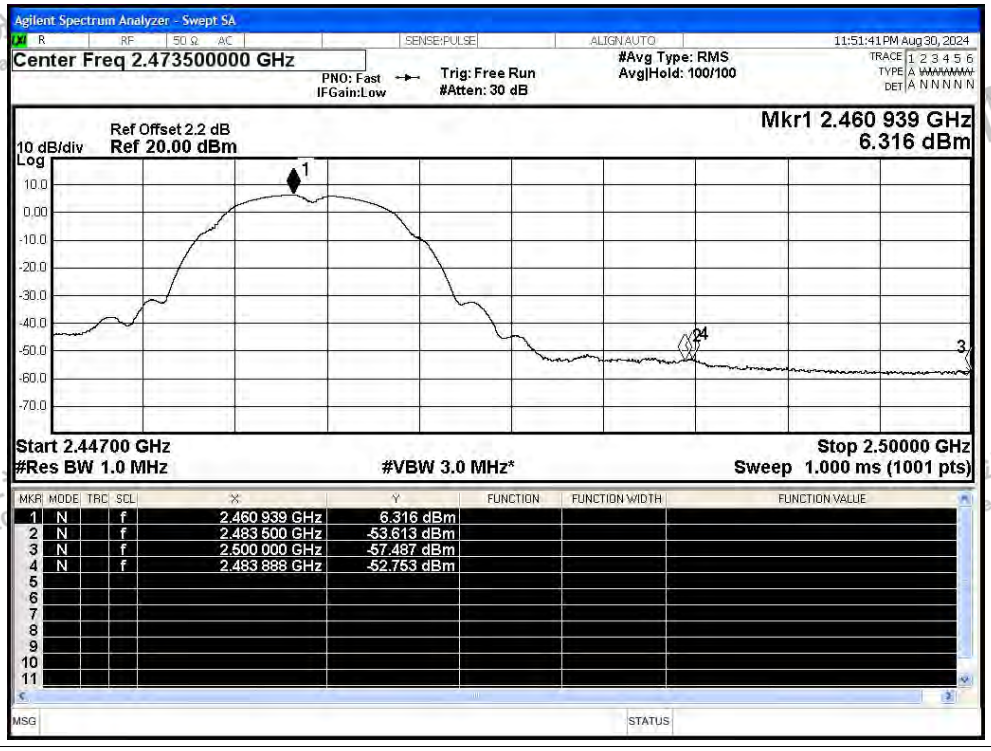
Restrict Band NVNT b 2412MHz Ant1 Average



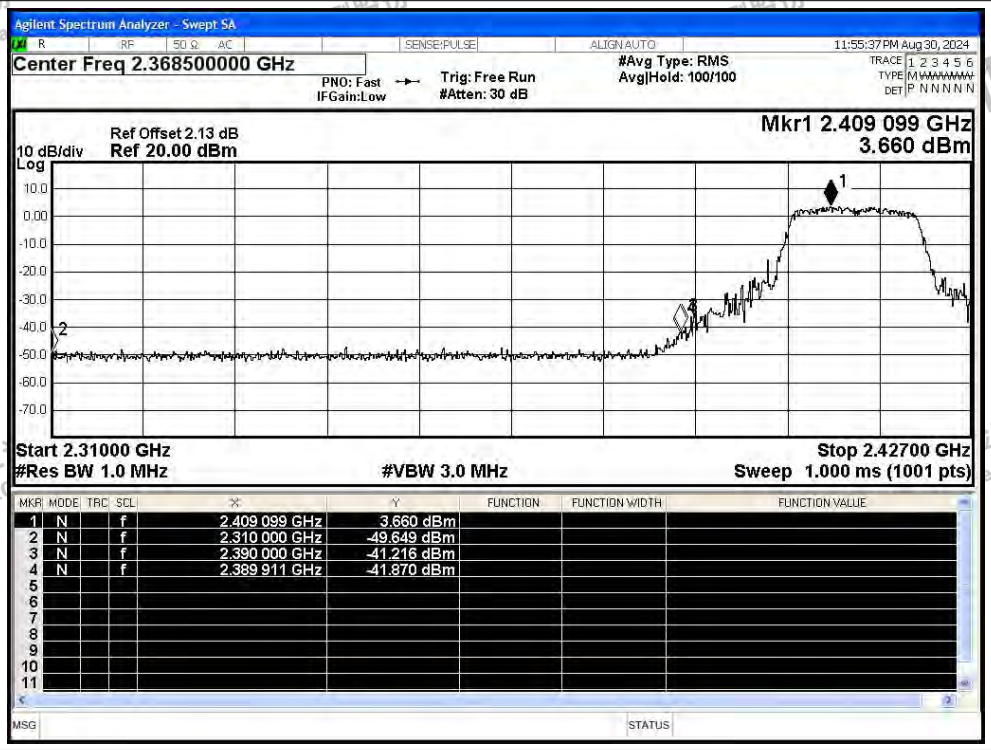
Restrict Band NVNT b 2462MHz Ant1 Peak



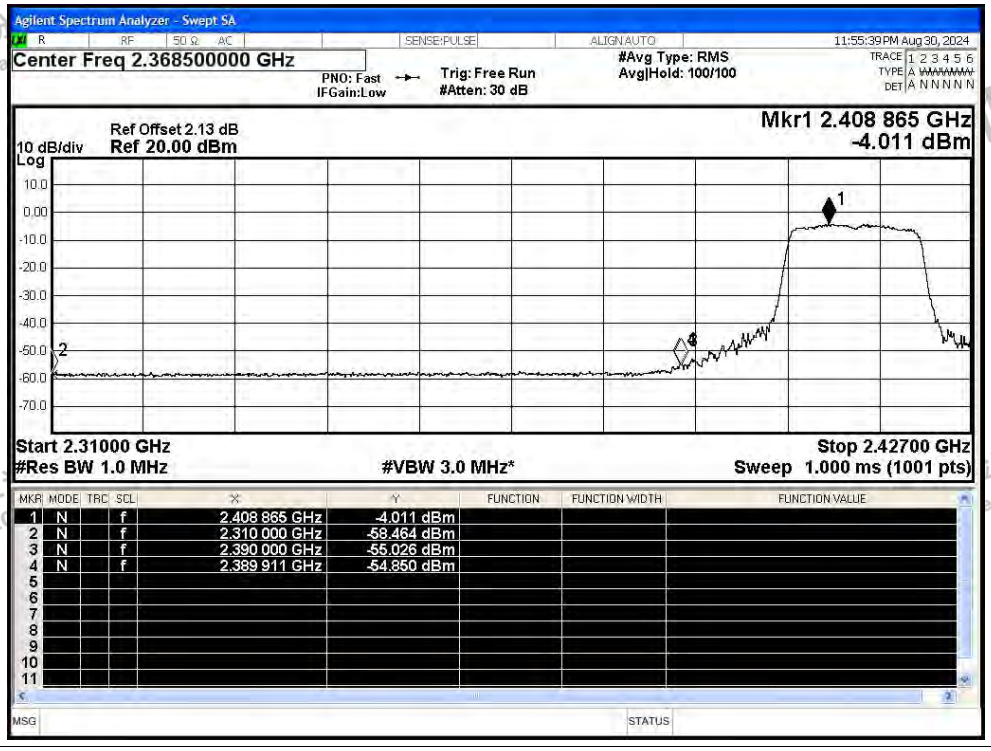
Restrict Band NVNT b 2462MHz Ant1 Average



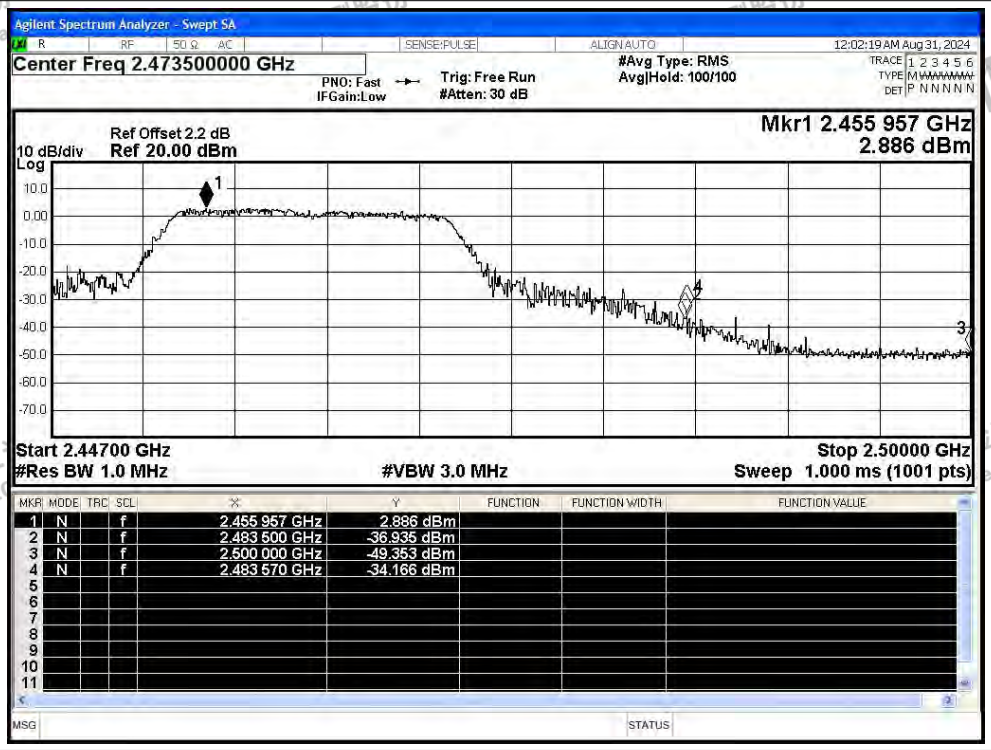
Restrict Band NVNT g 2412MHz Ant1 Peak



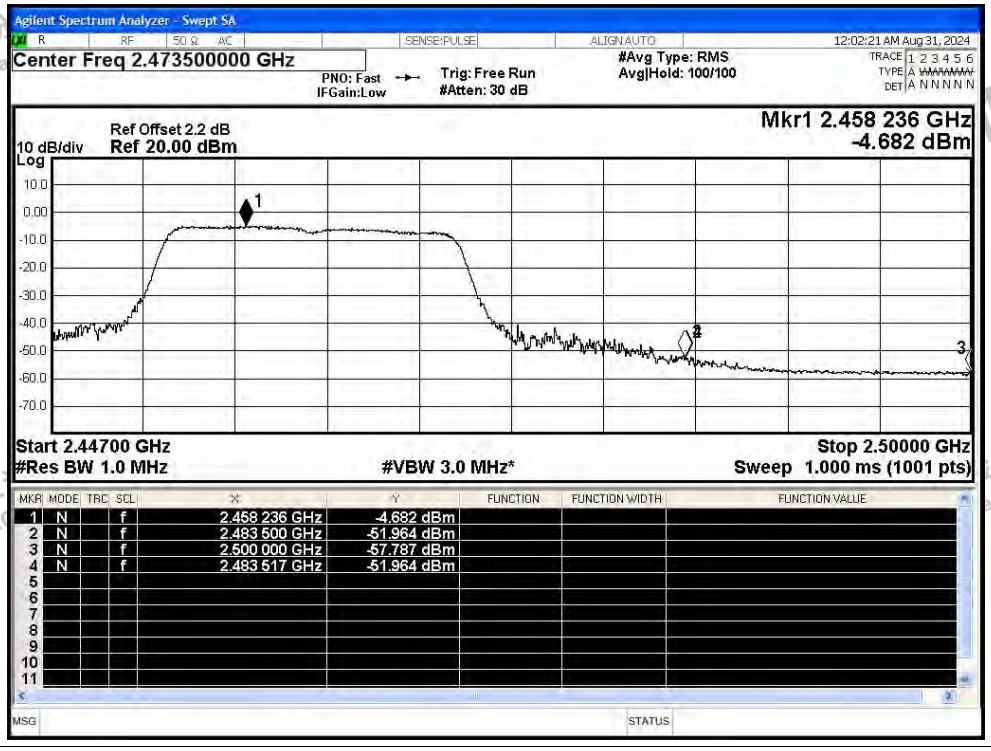
Restrict Band NVNT g 2412MHz Ant1 Average



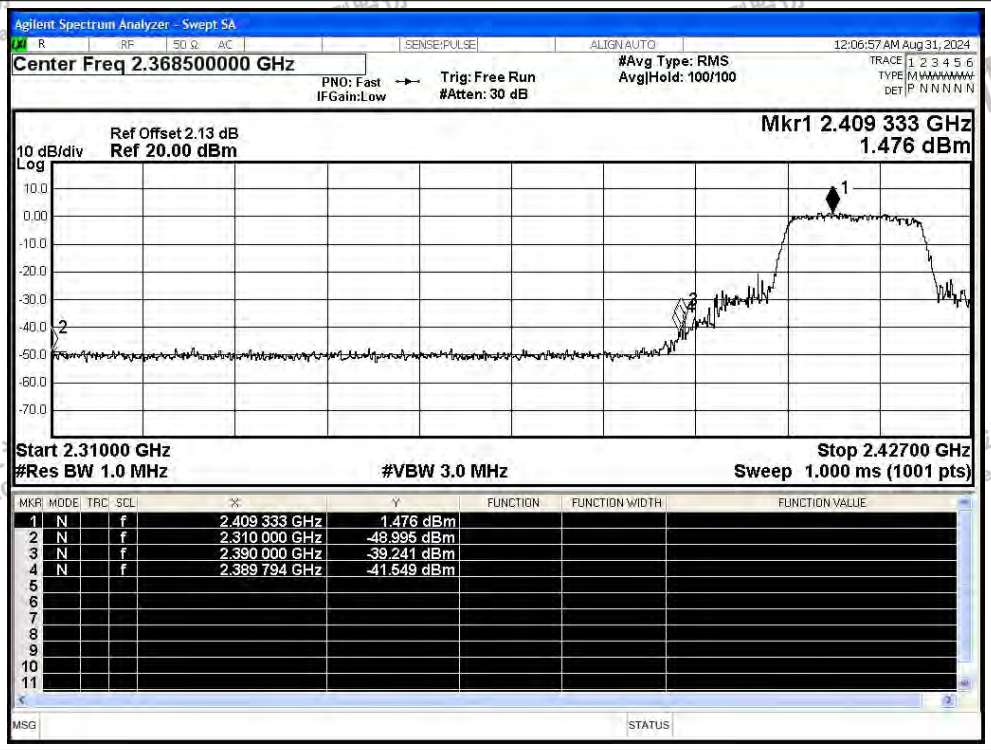
Restrict Band NVNT g 2462MHz Ant1 Peak



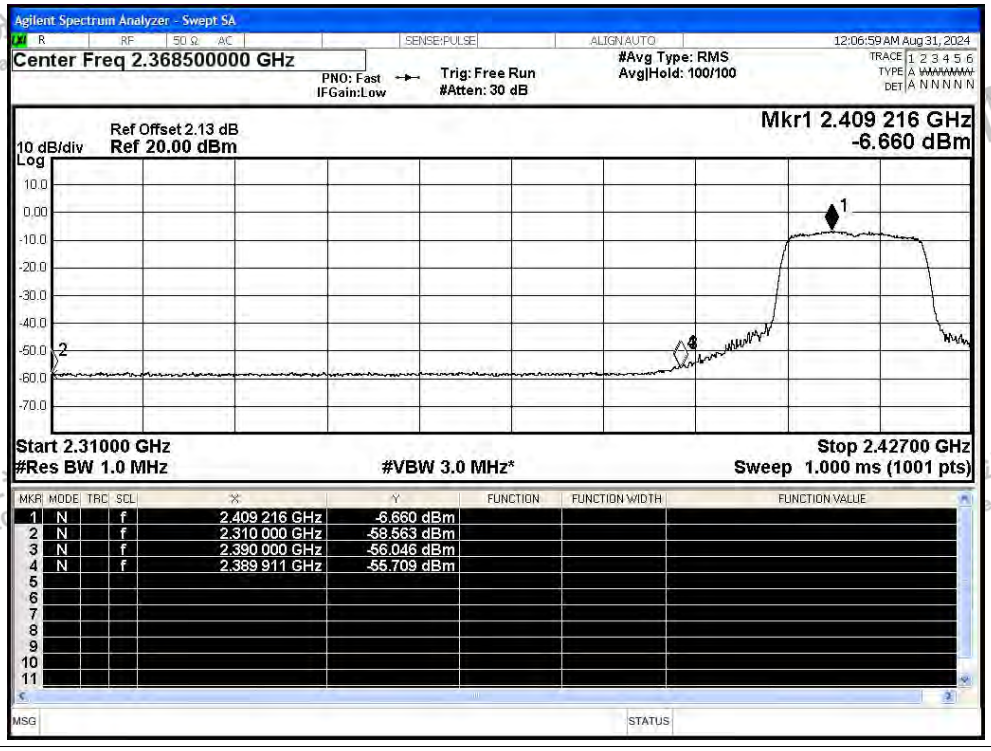
Restrict Band NVNT g 2462MHz Ant1 Average



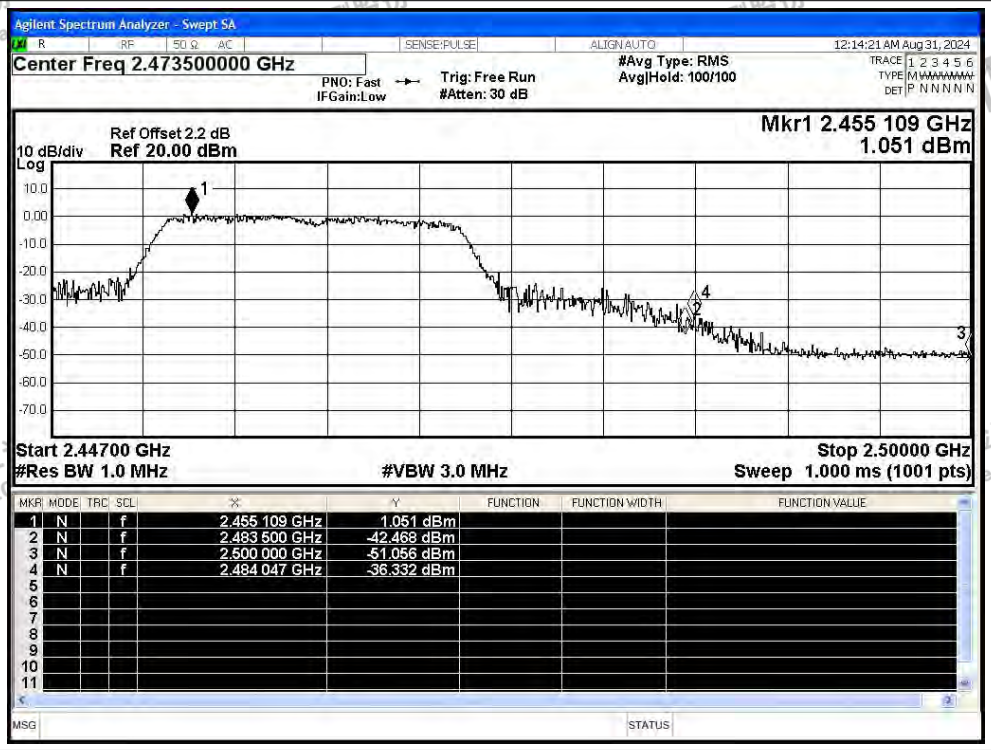
Restrict Band NVNT n20 2412MHz Ant1 Peak



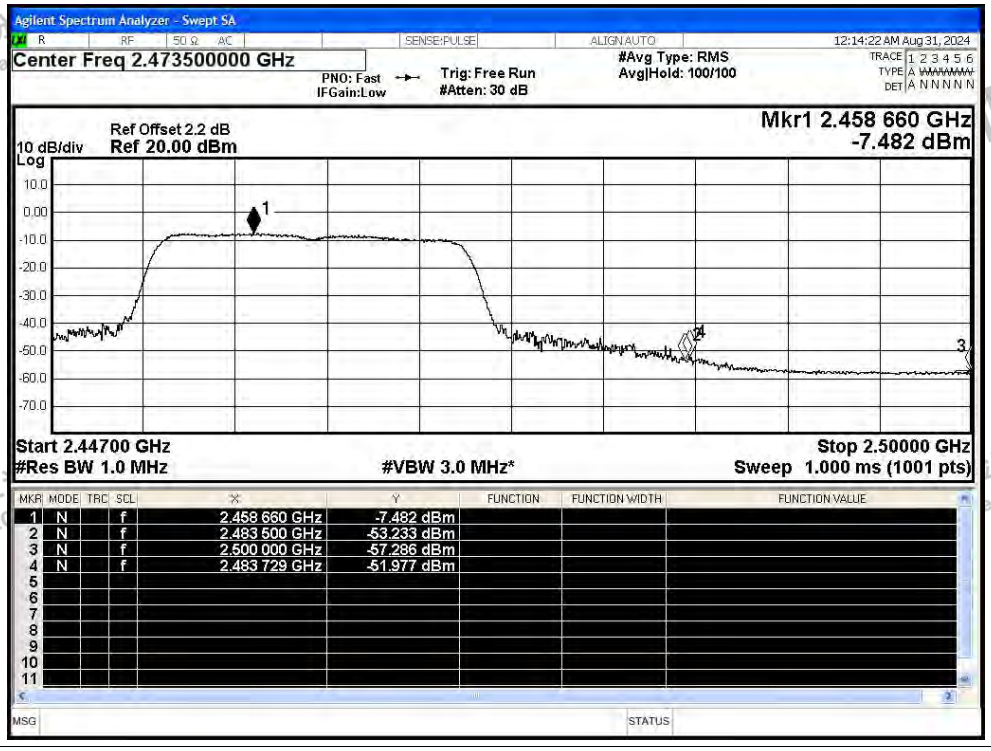
Restrict Band NVNT n20 2412MHz Ant1 Average



Restrict Band NVNT n20 2462MHz Ant1 Peak

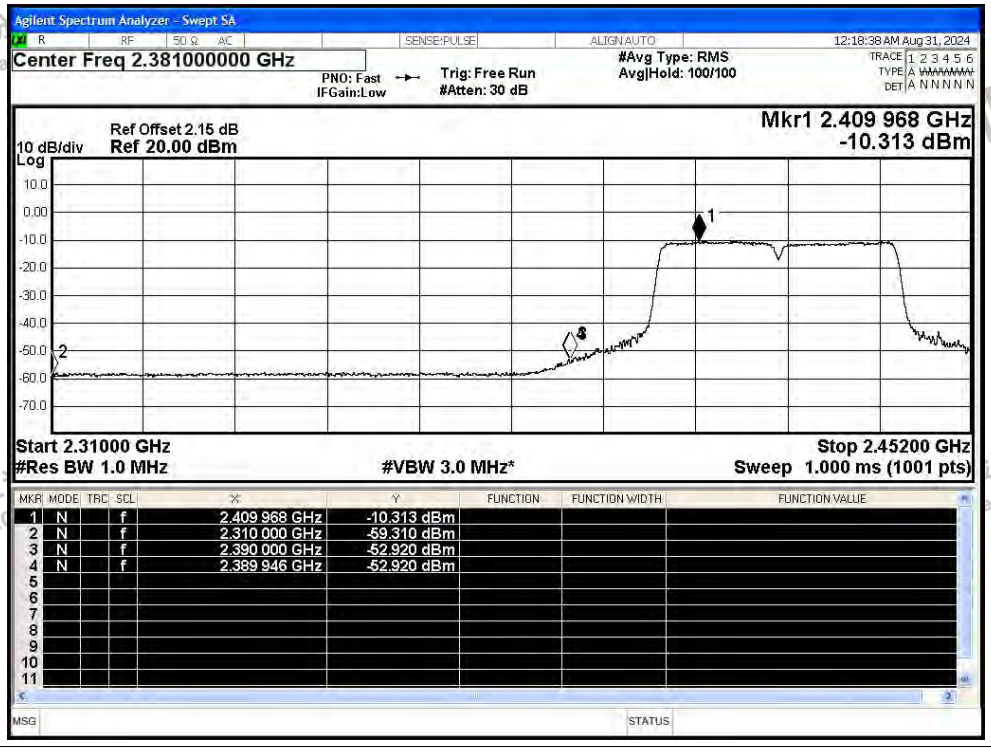


Restrict Band NVNT n20 2462MHz Ant1 Average

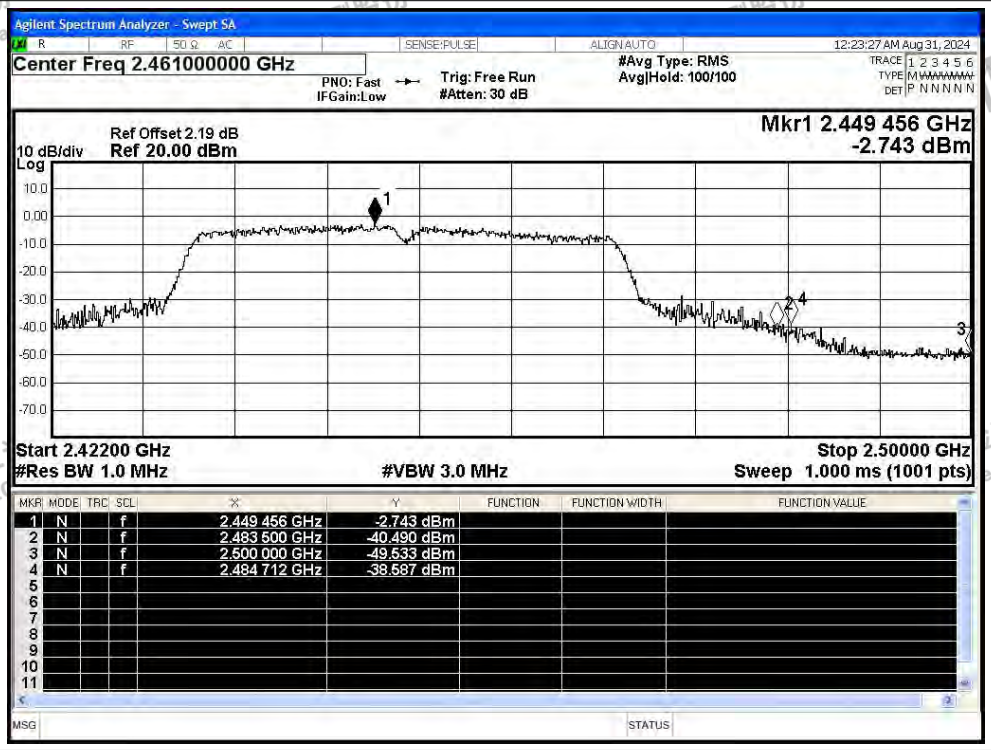


Restrict Band NVNT n40 2422MHz Ant1 Peak

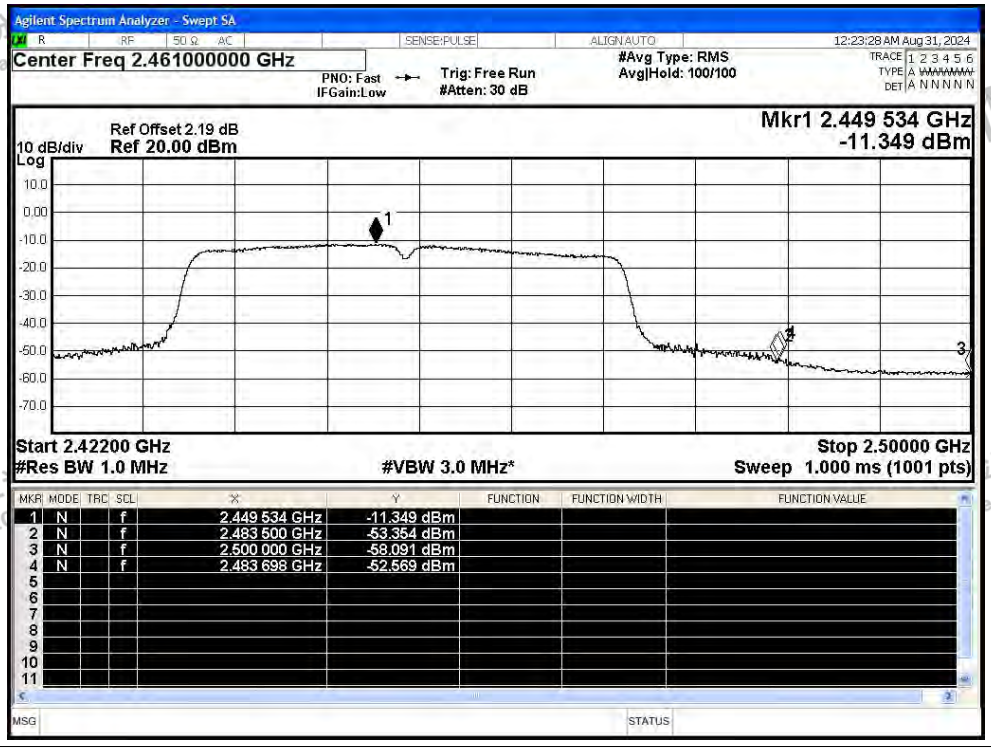
Restrict Band NVNT n40 2422MHz Ant1 Average



Restrict Band NVNT n40 2452MHz Ant1 Peak



Restrict Band NVNT n40 2452MHz Ant1 Average

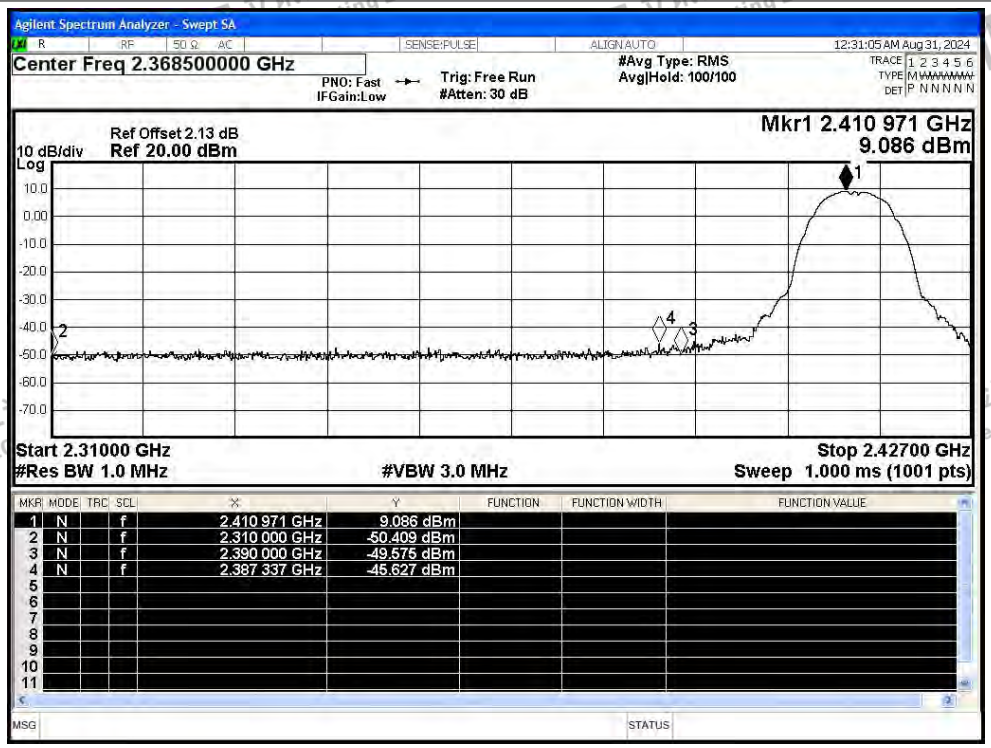


Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant2	2310	-50.41	3	-	47.85	Peak	74	Pass
NVNT	b	2412	Ant2	2310	-58.5	3	0	39.76	Average	54	Pass
NVNT	b	2412	Ant2	2387.337	-45.63	3	-	52.63	Peak	74	Pass
NVNT	b	2412	Ant2	2389.677	-55.76	3	0	42.50	Average	54	Pass
NVNT	b	2412	Ant2	2390	-49.58	3	-	48.68	Peak	74	Pass
NVNT	b	2412	Ant2	2390	-56.14	3	0	42.12	Average	54	Pass
NVNT	b	2462	Ant2	2483.5	-45.83	3	-	52.43	Peak	74	Pass
NVNT	b	2462	Ant2	2483.5	-54.14	3	0	44.12	Average	54	Pass
NVNT	b	2462	Ant2	2483.835	-44.86	3	-	53.40	Peak	74	Pass
NVNT	b	2462	Ant2	2483.888	-53.53	3	0	44.73	Average	54	Pass
NVNT	b	2462	Ant2	2500	-50.51	3	-	47.75	Peak	74	Pass
NVNT	b	2462	Ant2	2500	-57.61	3	0	40.65	Average	54	Pass
NVNT	g	2412	Ant2	2310	-50.25	3	-	48.01	Peak	74	Pass
NVNT	g	2412	Ant2	2310	-58.05	3	0.1	40.31	Average	54	Pass
NVNT	g	2412	Ant2	2389.443	-44.86	3	-	53.40	Peak	74	Pass
NVNT	g	2412	Ant2	2389.677	-56.64	3	0.1	41.72	Average	54	Pass
NVNT	g	2412	Ant2	2390	-45.45	3	-	52.81	Peak	74	Pass
NVNT	g	2412	Ant2	2390	-56.55	3	0.1	41.81	Average	54	Pass
NVNT	g	2462	Ant2	2483.5	-35.67	3	-	62.59	Peak	74	Pass
NVNT	g	2462	Ant2	2483.5	-54.52	3	0.1	43.84	Average	54	Pass
NVNT	g	2462	Ant2	2483.517	-35.67	3	-	62.59	Peak	74	Pass
NVNT	g	2462	Ant2	2483.57	-54.15	3	0.1	44.21	Average	54	Pass
NVNT	g	2462	Ant2	2500	-50.78	3	-	47.48	Peak	74	Pass
NVNT	g	2462	Ant2	2500	-58.28	3	0.1	40.08	Average	54	Pass
NVNT	n20	2412	Ant2	2310	-50.46	3	-	47.80	Peak	74	Pass
NVNT	n20	2412	Ant2	2310	-59.2	3	0.12	39.18	Average	54	Pass
NVNT	n20	2412	Ant2	2388.975	-41.97	3	-	56.29	Peak	74	Pass
NVNT	n20	2412	Ant2	2389.677	-55.66	3	0.12	42.72	Average	54	Pass
NVNT	n20	2412	Ant2	2390	-44.21	3	-	54.05	Peak	74	Pass
NVNT	n20	2412	Ant2	2390	-55.48	3	0.12	42.90	Average	54	Pass
NVNT	n20	2462	Ant2	2483.5	-39.61	3	-	58.65	Peak	74	Pass
NVNT	n20	2462	Ant2	2483.5	-52.97	3	0.12	45.41	Average	54	Pass
NVNT	n20	2462	Ant2	2484.1	-35.99	3	-	62.27	Peak	74	Pass
NVNT	n20	2462	Ant2	2483.57	-52.78	3	0.12	45.60	Average	54	Pass
NVNT	n20	2462	Ant2	2500	-50.92	3	-	47.34	Peak	74	Pass
NVNT	n20	2462	Ant2	2500	-58.27	3	0.12	40.11	Average	54	Pass
NVNT	n40	2422	Ant2	2310	-51.9	3	-	46.36	Peak	74	Pass
NVNT	n40	2422	Ant2	2310	-58.42	3	0.24	40.08	Average	54	Pass
NVNT	n40	2422	Ant2	2389.52	-39.89	3	-	58.37	Peak	74	Pass

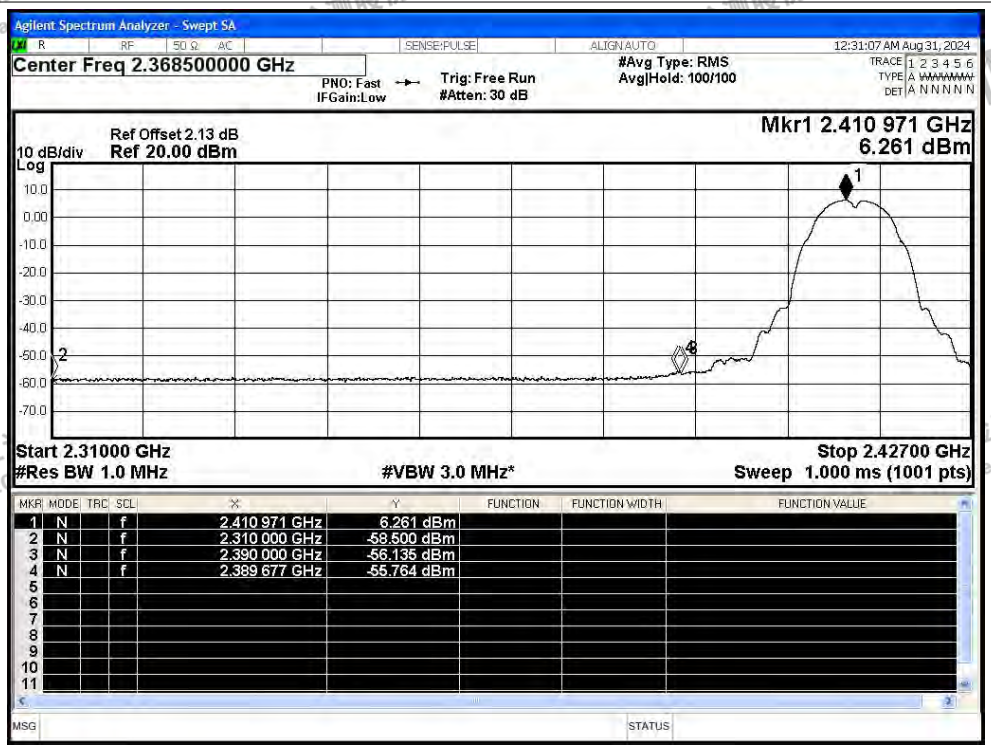
NVNT	n40	2422	Ant2	2389.804	-53.43	3	0.24	45.07	Average	54	Pass
NVNT	n40	2422	Ant2	2390	-40.77	3	-	57.49	Peak	74	Pass
NVNT	n40	2422	Ant2	2390	-54.04	3	0.24	44.46	Average	54	Pass
NVNT	n40	2452	Ant2	2483.5	-38.63	3	-	59.63	Peak	74	Pass
NVNT	n40	2452	Ant2	2483.5	-52.45	3	0.24	46.05	Average	54	Pass
NVNT	n40	2452	Ant2	2483.776	-36.76	3	-	61.50	Peak	74	Pass
NVNT	n40	2452	Ant2	2483.62	-51.34	3	0.24	47.16	Average	54	Pass
NVNT	n40	2452	Ant2	2500	-50.39	3	-	47.87	Peak	74	Pass
NVNT	n40	2452	Ant2	2500	-58.3	3	0.24	40.20	Average	54	Pass

Test Graphs

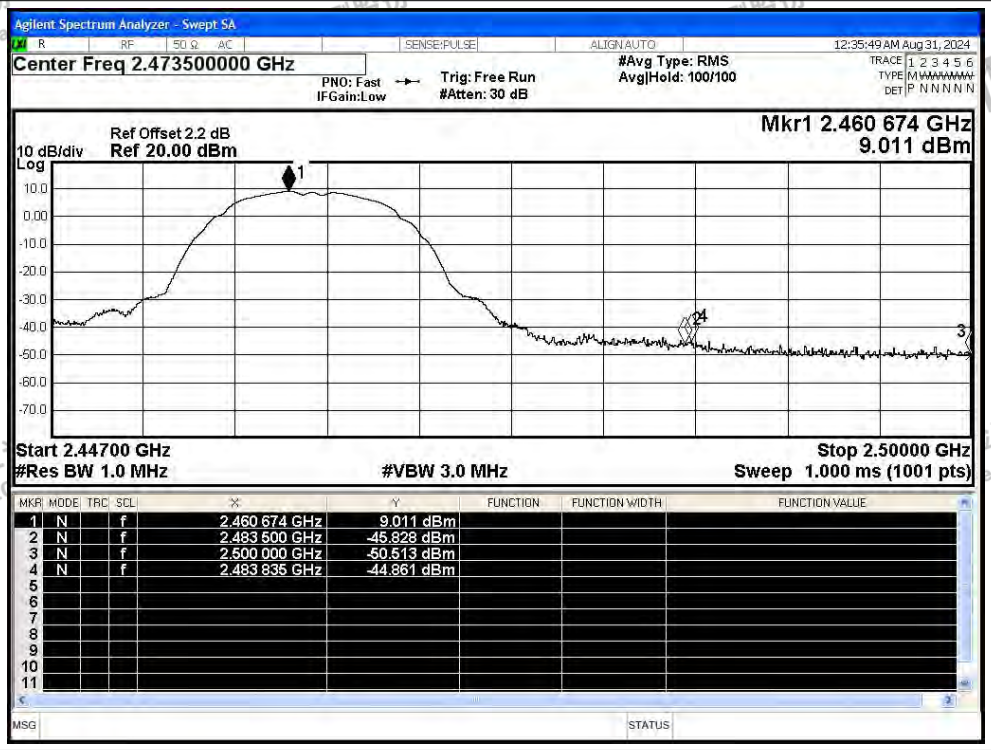
Restrict Band NVNT b 2412MHz Ant2 Peak



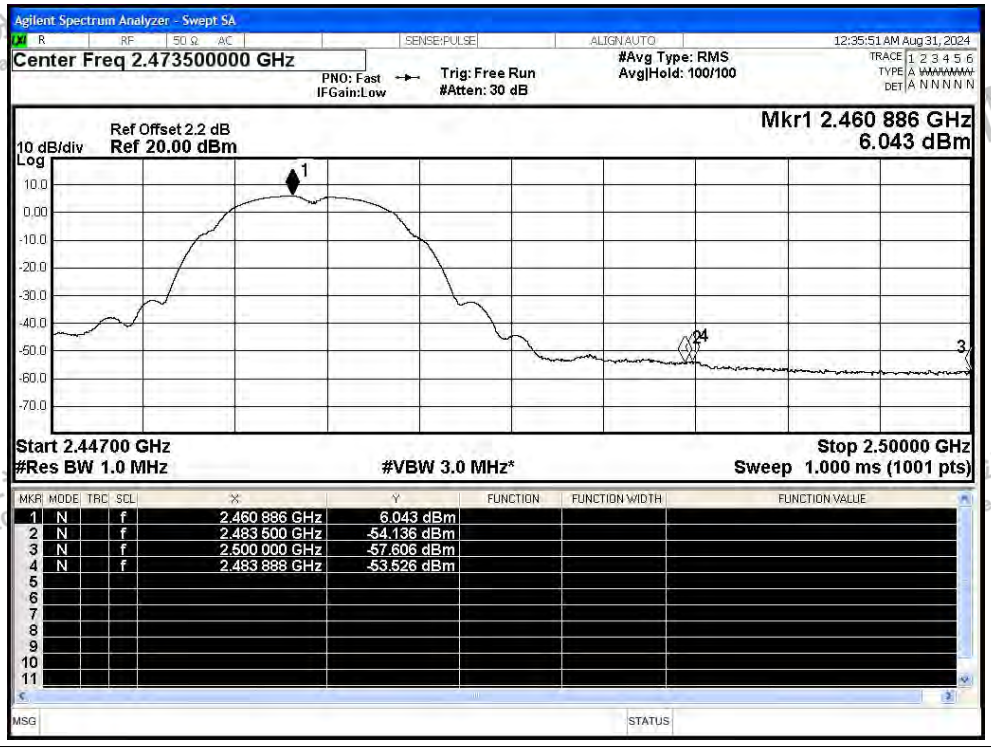
Restrict Band NVNT b 2412MHz Ant2 Average



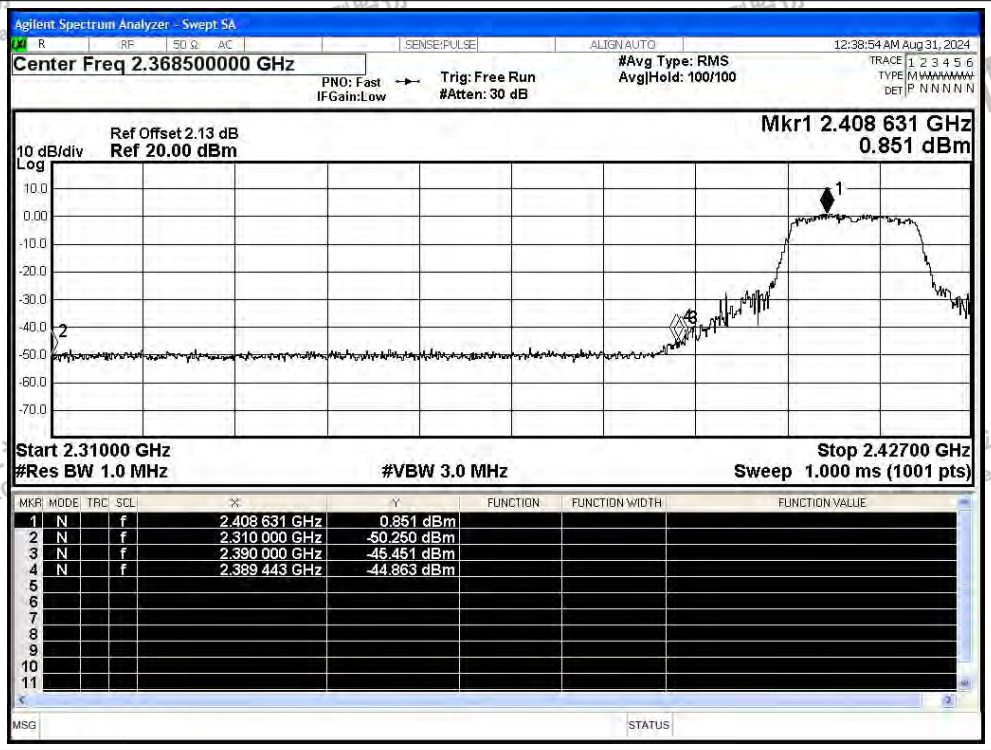
Restrict Band NVNT b 2462MHz Ant2 Peak



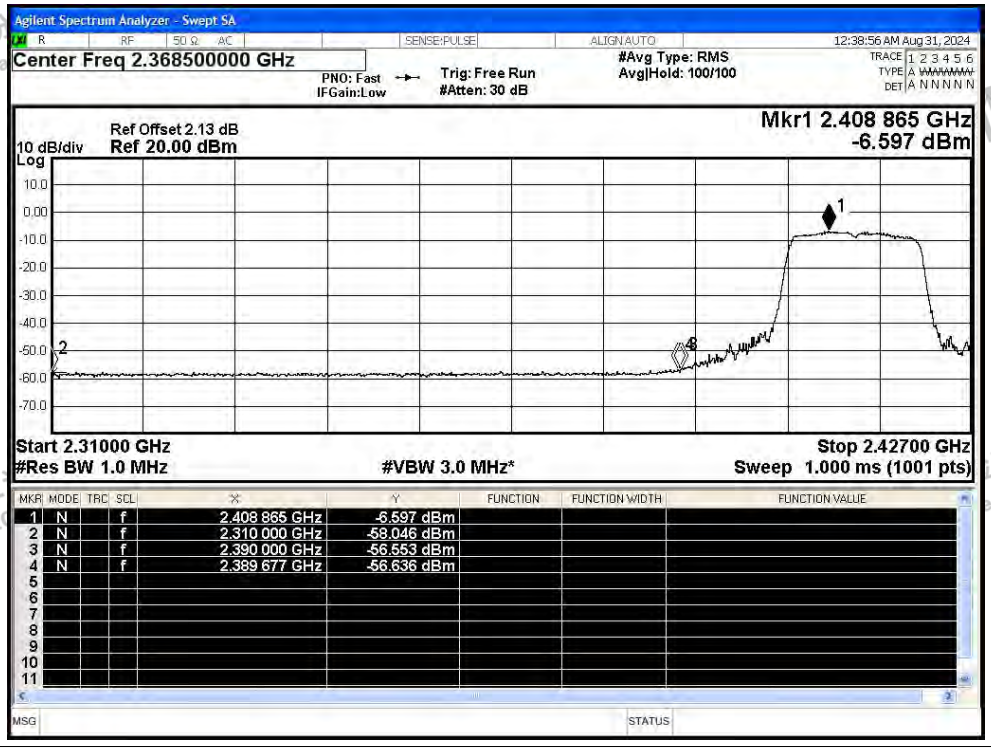
Restrict Band NVNT b 2462MHz Ant2 Average



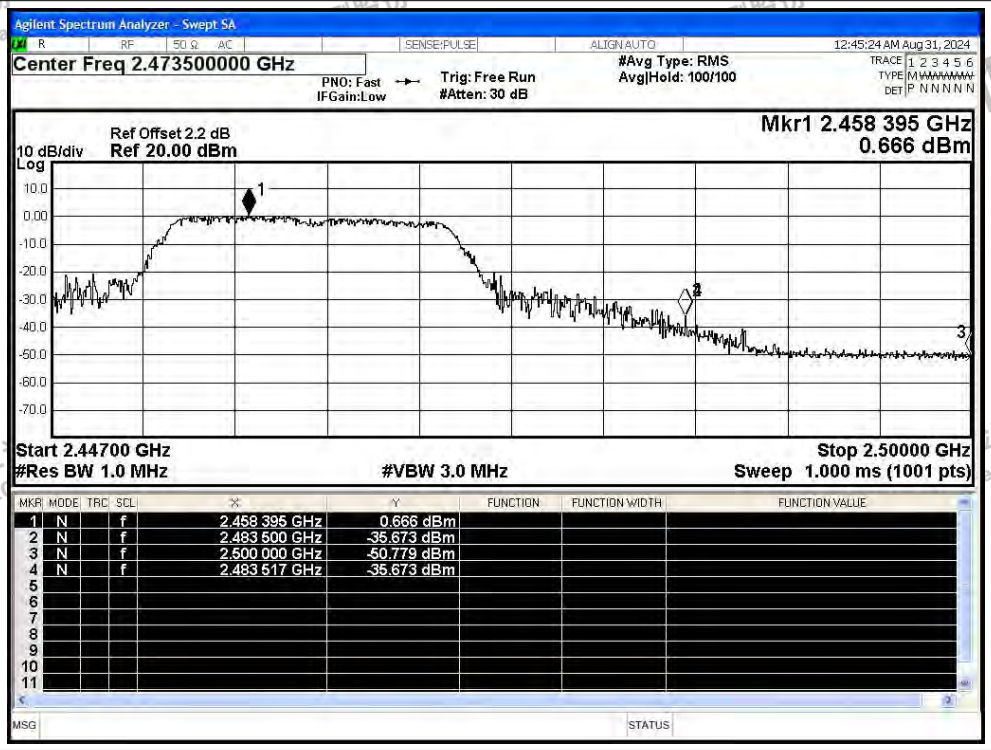
Restrict Band NVNT g 2412MHz Ant2 Peak



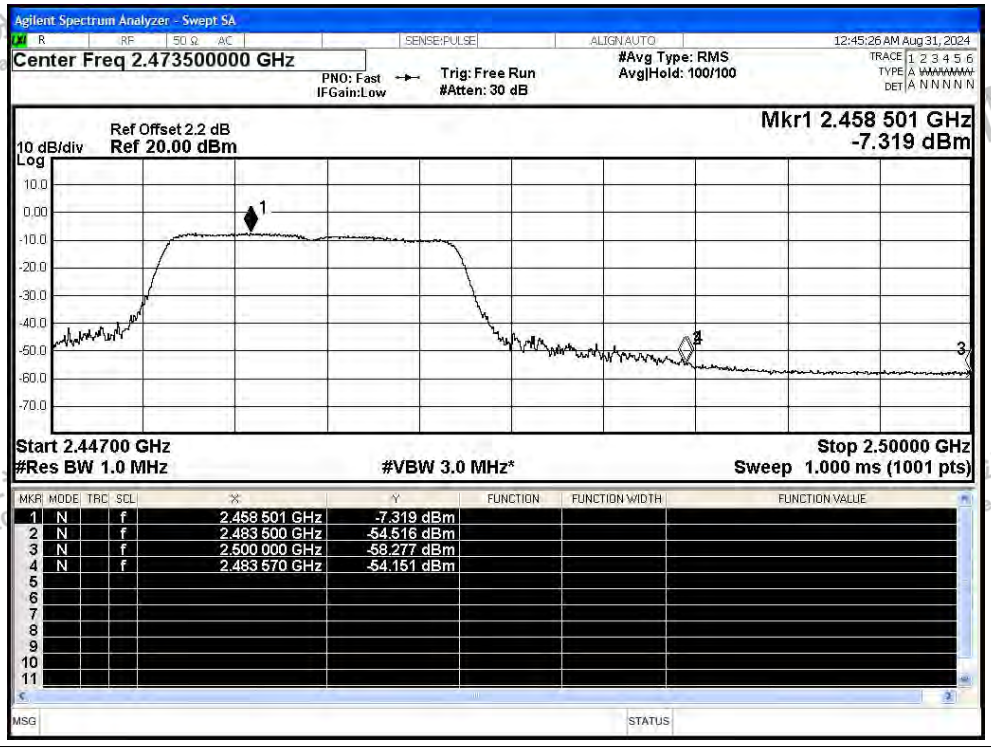
Restrict Band NVNT g 2412MHz Ant2 Average



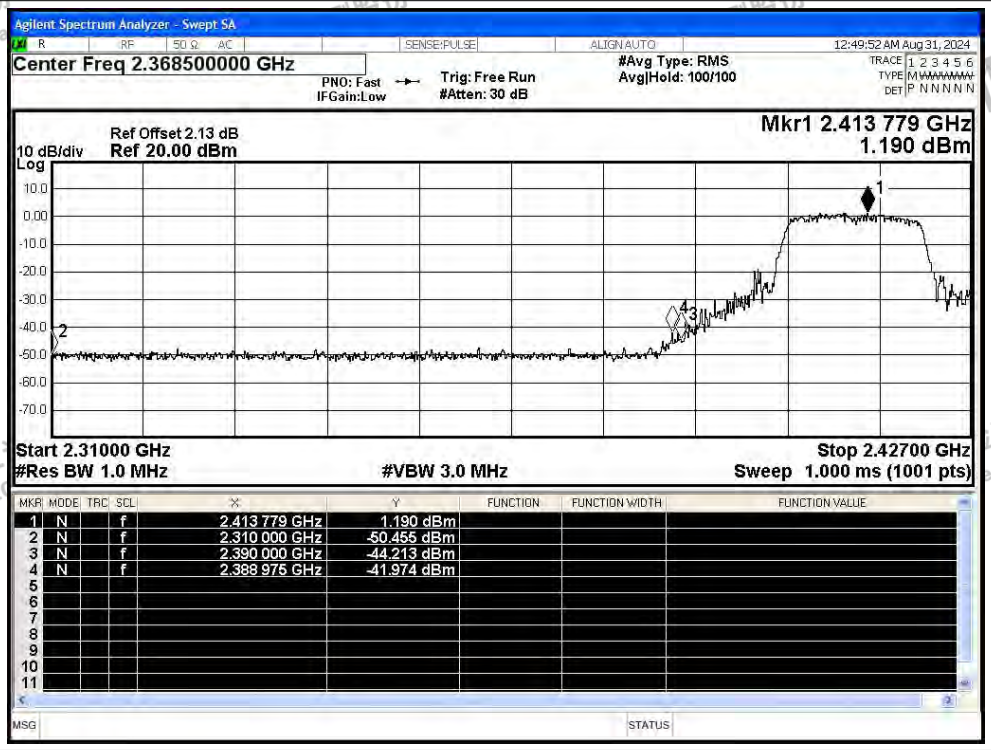
Restrict Band NVNT g 2462MHz Ant2 Peak



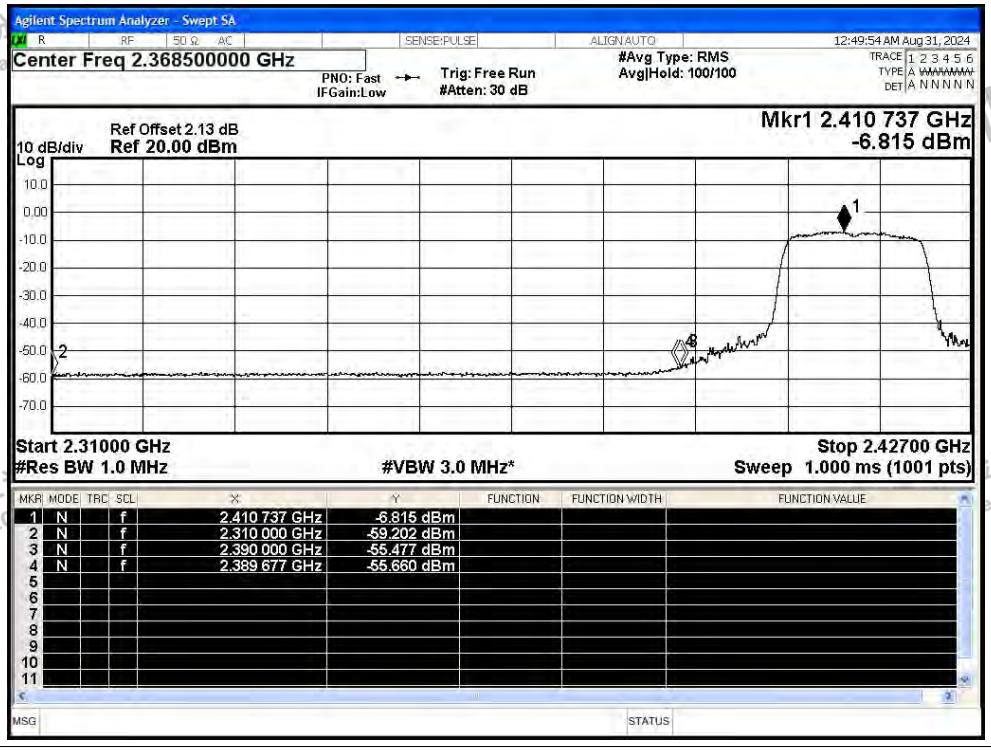
Restrict Band NVNT g 2462MHz Ant2 Average



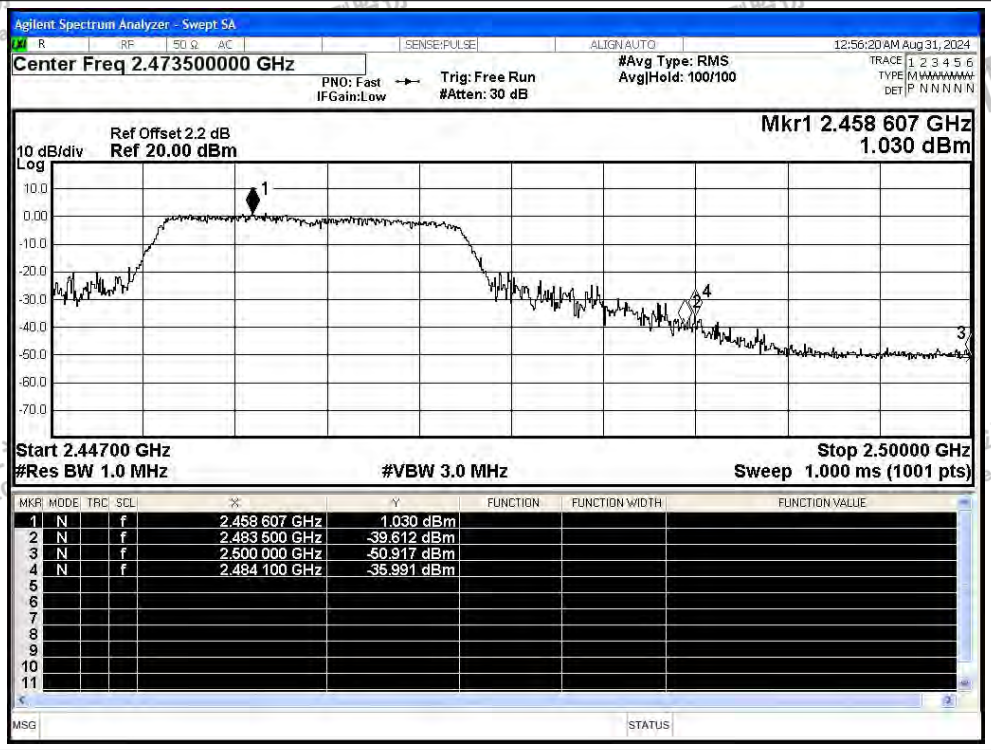
Restrict Band NVNT n20 2412MHz Ant2 Peak



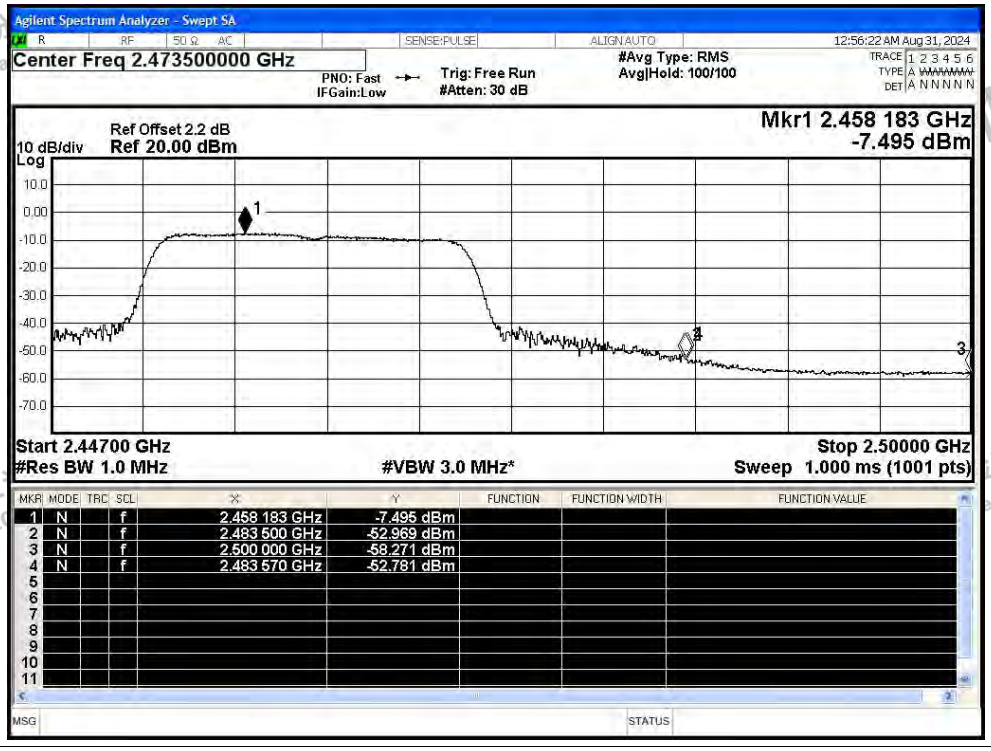
Restrict Band NVNT n20 2412MHz Ant2 Average



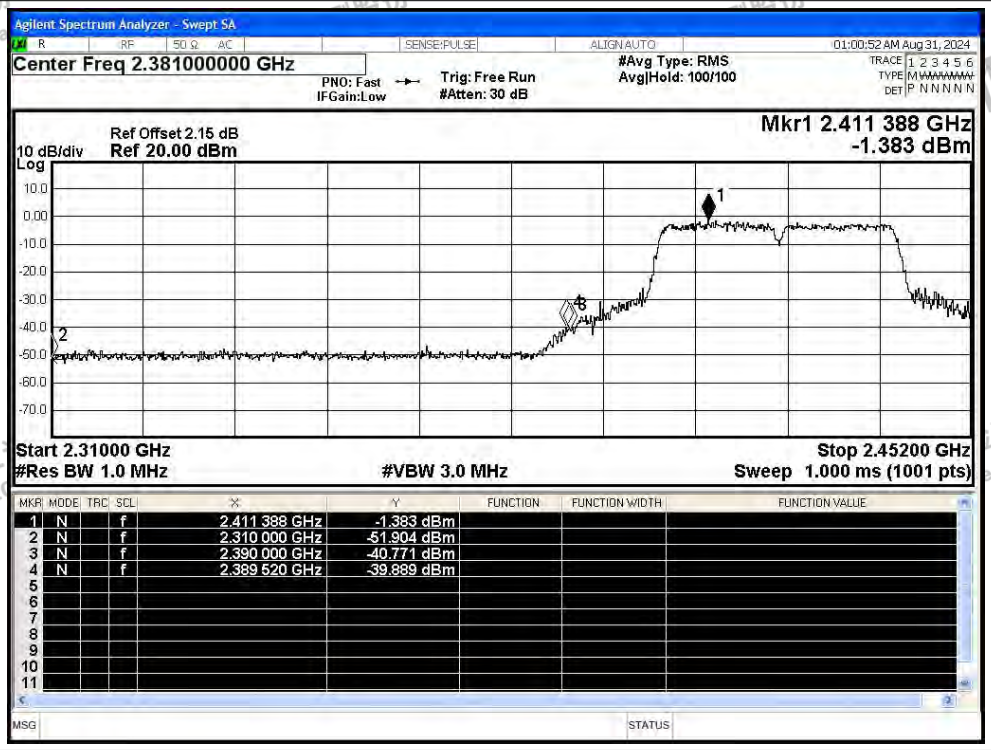
Restrict Band NVNT n20 2462MHz Ant2 Peak



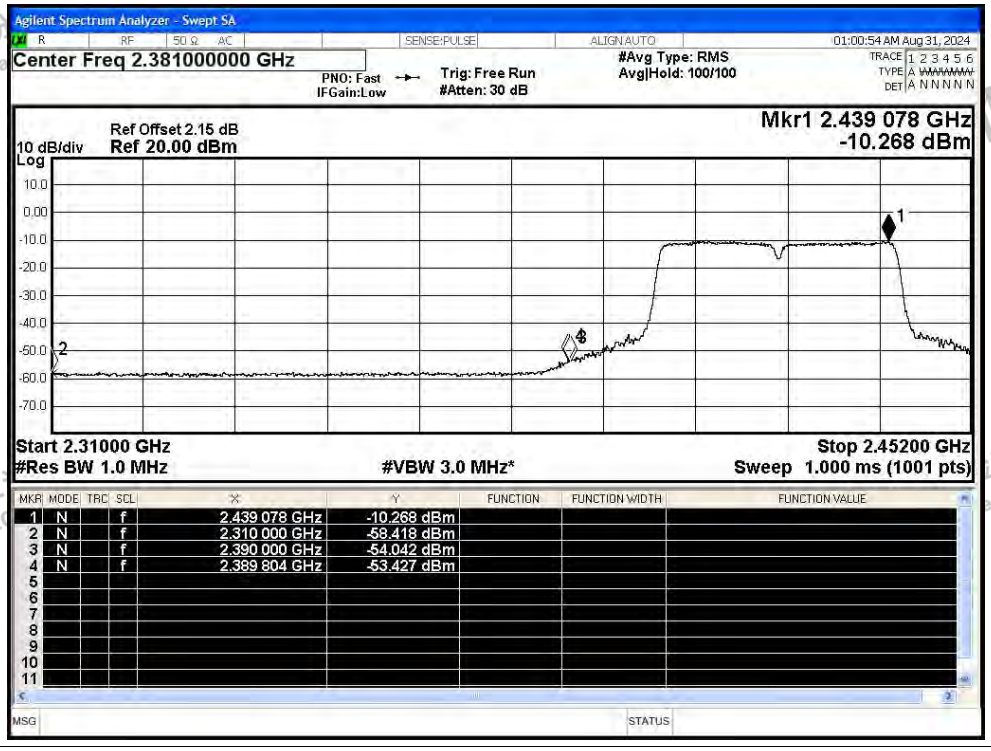
Restrict Band NVNT n20 2462MHz Ant2 Average



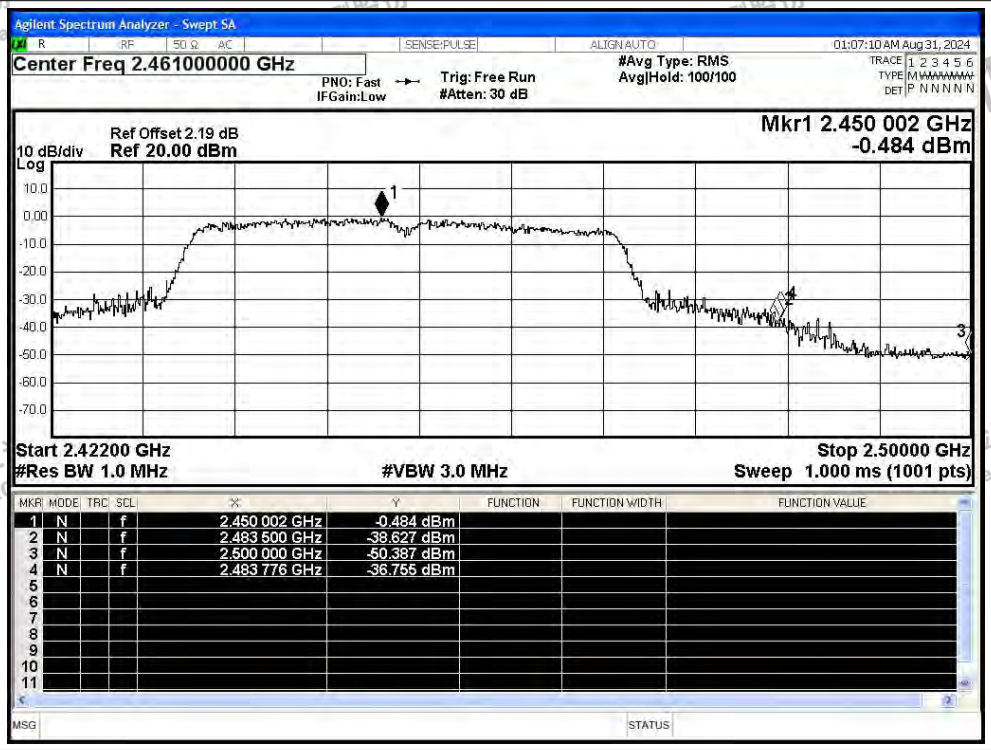
Restrict Band NVNT n40 2422MHz Ant2 Peak



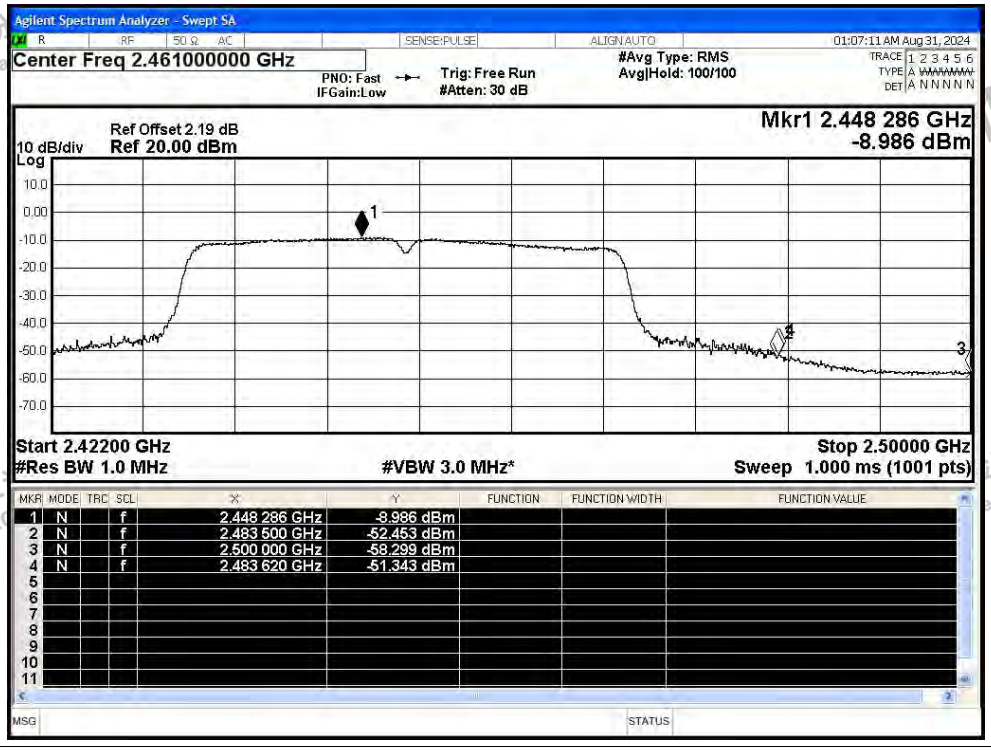
Restrict Band NVNT n40 2422MHz Ant2 Average



Restrict Band NVNT n40 2452MHz Ant2 Peak



Restrict Band NVNT n40 2452MHz Ant2 Average



MIMO

Condition	Mode	Frequency (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	2412	-49	-50.46	6.01	54.61	Peak	74	Pass
NVNT	n20	2412	-58.56	-59.2	6.01	45.41	Average	54	Pass
NVNT	n20	2412	-41.55	-41.97	6.01	62.52	Peak	74	Pass
NVNT	n20	2412	-55.71	-55.66	6.01	48.59	Average	54	Pass
NVNT	n20	2412	-39.24	-44.21	6.01	63.23	Peak	74	Pass
NVNT	n20	2412	-56.05	-55.48	6.01	48.52	Average	54	Pass
NVNT	n20	2462	-42.47	-39.61	6.01	63.47	Peak	74	Pass
NVNT	n20	2462	-53.23	-52.97	6.01	51.18	Average	54	Pass
NVNT	n20	2462	-36.33	-35.99	6.01	68.12	Peak	74	Pass
NVNT	n20	2462	-51.98	-52.78	6.01	51.92	Average	54	Pass
NVNT	n20	2462	-51.06	-50.92	6.01	53.29	Peak	74	Pass
NVNT	n20	2462	-57.29	-58.27	6.01	46.53	Average	54	Pass
NVNT	n40	2422	-50.01	-51.9	6.01	53.42	Peak	74	Pass
NVNT	n40	2422	-59.31	-58.42	6.01	45.44	Average	54	Pass
NVNT	n40	2422	-38.39	-39.89	6.01	65.20	Peak	74	Pass
NVNT	n40	2422	-52.92	-53.43	6.01	51.11	Average	54	Pass
NVNT	n40	2422	-38.39	-40.77	6.01	64.86	Peak	74	Pass
NVNT	n40	2422	-52.92	-54.04	6.01	50.83	Average	54	Pass
NVNT	n40	2452	-40.49	-38.63	6.01	64.82	Peak	74	Pass
NVNT	n40	2452	-53.35	-52.45	6.01	51.40	Average	54	Pass
NVNT	n40	2452	-38.59	-36.76	6.01	66.70	Peak	74	Pass
NVNT	n40	2452	-52.57	-51.34	6.01	52.37	Average	54	Pass
NVNT	n40	2452	-49.53	-50.39	6.01	54.34	Peak	74	Pass
NVNT	n40	2452	-58.09	-58.3	6.01	46.08	Average	54	Pass