

Appendix A:

Maximum Conducted Output Power

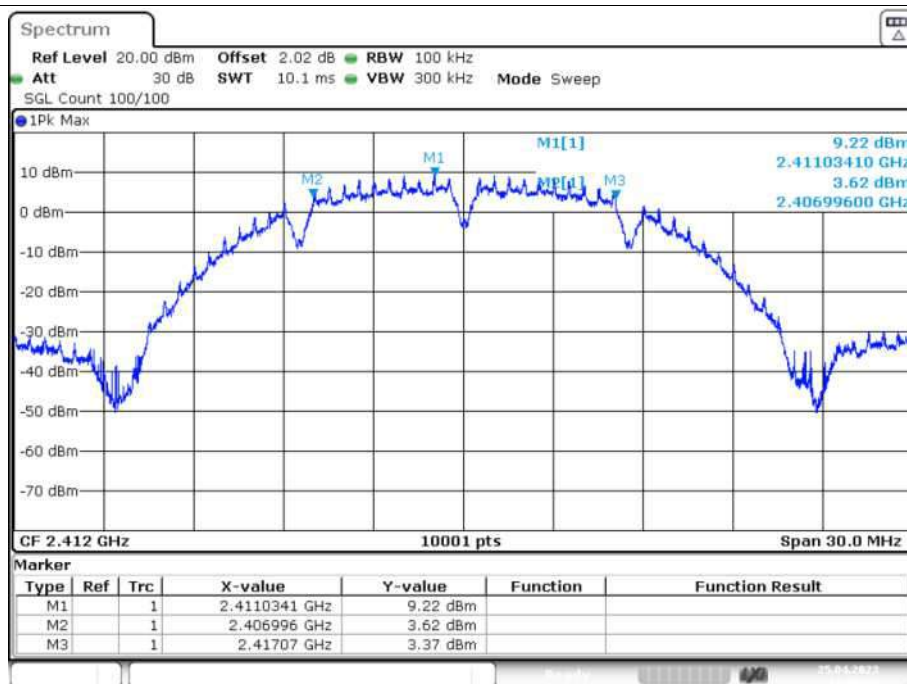
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.02	0.26	17.28	30	Pass
NVNT	b	2412	Ant2	16.98	0.26	17.24	30	Pass
NVNT	b	2437	Ant1	17.06	0.26	17.32	30	Pass
NVNT	b	2437	Ant2	16.84	0.26	17.1	30	Pass
NVNT	b	2462	Ant1	16.88	0.26	17.14	30	Pass
NVNT	b	2462	Ant2	17.09	0.26	17.35	30	Pass
NVNT	g	2412	Ant1	16.88	1.36	18.24	30	Pass
NVNT	g	2412	Ant2	15.9	1.36	17.26	30	Pass
NVNT	g	2437	Ant1	15.86	1.36	17.22	30	Pass
NVNT	g	2437	Ant2	16.21	1.36	17.57	30	Pass
NVNT	g	2462	Ant1	16.65	1.36	18.01	30	Pass
NVNT	g	2462	Ant2	15.94	1.36	17.3	30	Pass
NVNT	n20	2412	Ant1	16.47	1.44	17.91	30	Pass
NVNT	n20	2412	Ant2	16	1.44	17.44	30	Pass
NVNT	n20	2412	Sum	19.25	-	20.69	30	Pass
NVNT	n20	2437	Ant1	16.09	1.44	17.53	30	Pass
NVNT	n20	2437	Ant2	16.09	1.44	17.53	30	Pass
NVNT	n20	2437	Sum	19.1	-	20.54	30	Pass
NVNT	n20	2462	Ant1	16.05	1.44	17.49	30	Pass
NVNT	n20	2462	Ant2	16.12	1.44	17.56	30	Pass
NVNT	n20	2462	Sum	19.1	-	20.54	30	Pass
NVNT	n40	2422	Ant1	16.15	2.53	18.68	30	Pass
NVNT	n40	2422	Ant2	15.99	2.53	18.52	30	Pass
NVNT	n40	2422	Sum	19.08	-	21.61	30	Pass
NVNT	n40	2437	Ant1	15.84	2.52	18.36	30	Pass
NVNT	n40	2437	Ant2	15.72	2.53	18.25	30	Pass
NVNT	n40	2437	Sum	18.79	-	21.32	30	Pass
NVNT	n40	2452	Ant1	16.11	2.54	18.65	30	Pass
NVNT	n40	2452	Ant2	15.9	2.54	18.44	30	Pass
NVNT	n40	2452	Sum	19.02	-	21.56	30	Pass

-6dB Bandwidth

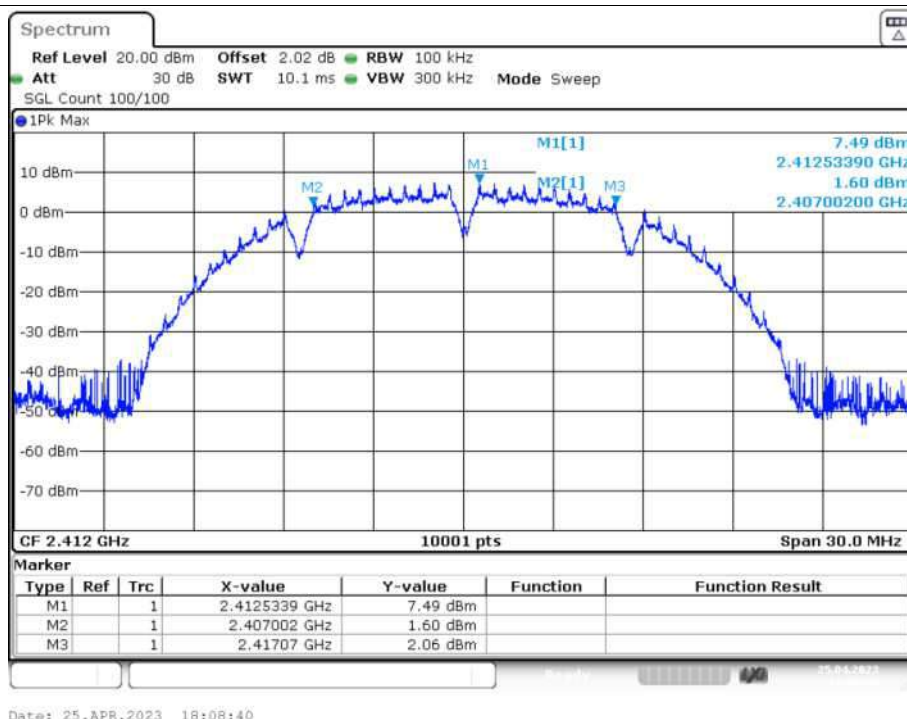
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.074	0.5	Pass
NVNT	b	2412	Ant2	10.068	0.5	Pass
NVNT	b	2437	Ant1	10.077	0.5	Pass
NVNT	b	2437	Ant2	10.071	0.5	Pass
NVNT	b	2462	Ant1	10.074	0.5	Pass
NVNT	b	2462	Ant2	10.077	0.5	Pass
NVNT	g	2412	Ant1	16.005	0.5	Pass
NVNT	g	2412	Ant2	16.293	0.5	Pass
NVNT	g	2437	Ant1	15.513	0.5	Pass
NVNT	g	2437	Ant2	15.879	0.5	Pass
NVNT	g	2462	Ant1	15.516	0.5	Pass
NVNT	g	2462	Ant2	15.873	0.5	Pass
NVNT	n20	2412	Ant1	16.041	0.5	Pass
NVNT	n20	2412	Ant2	16.65	0.5	Pass
NVNT	n20	2437	Ant1	16.281	0.5	Pass
NVNT	n20	2437	Ant2	16.599	0.5	Pass
NVNT	n20	2462	Ant1	16.917	0.5	Pass
NVNT	n20	2462	Ant2	15.891	0.5	Pass
NVNT	n40	2422	Ant1	34.2	0.5	Pass
NVNT	n40	2422	Ant2	35.034	0.5	Pass
NVNT	n40	2437	Ant1	33.828	0.5	Pass
NVNT	n40	2437	Ant2	35.094	0.5	Pass
NVNT	n40	2452	Ant1	35.058	0.5	Pass
NVNT	n40	2452	Ant2	35.088	0.5	Pass

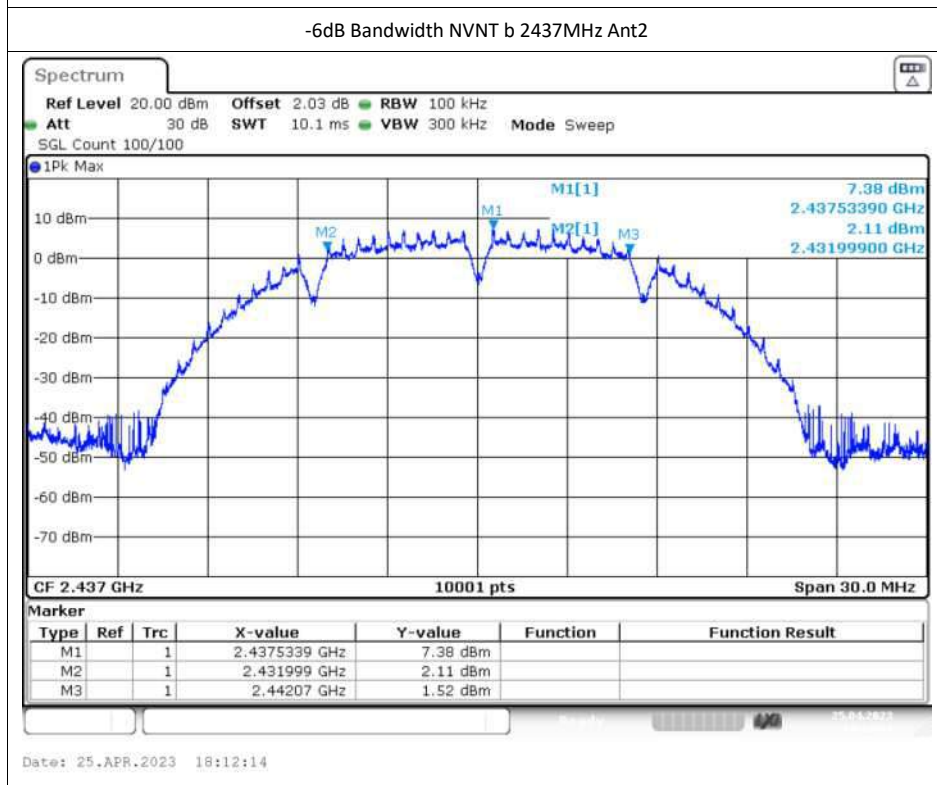
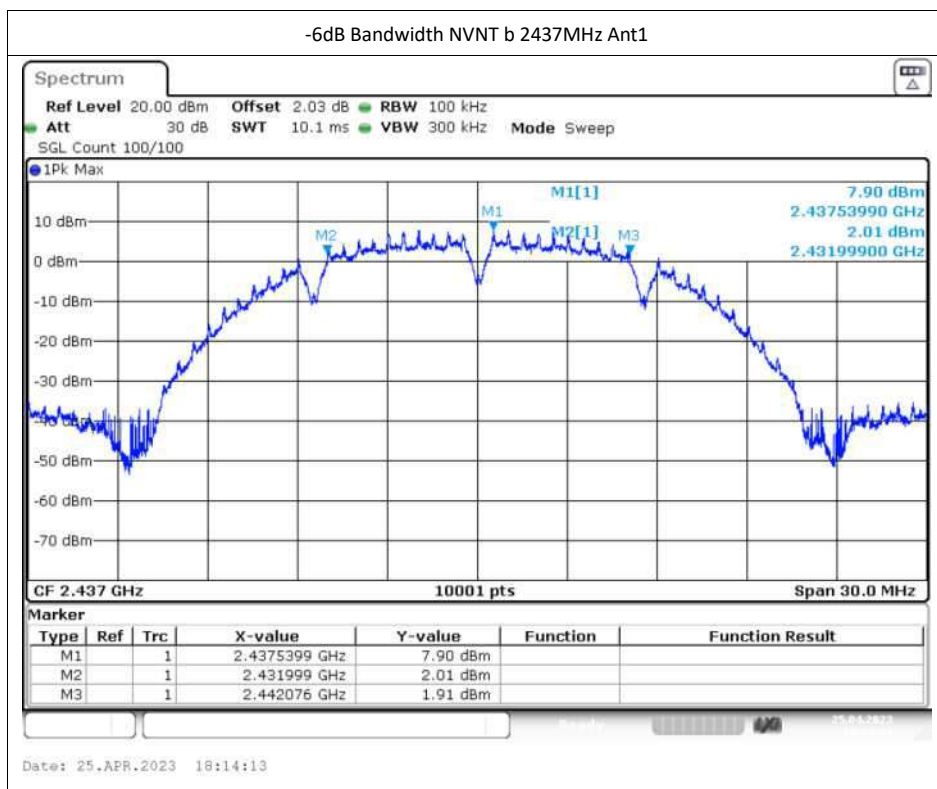
Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

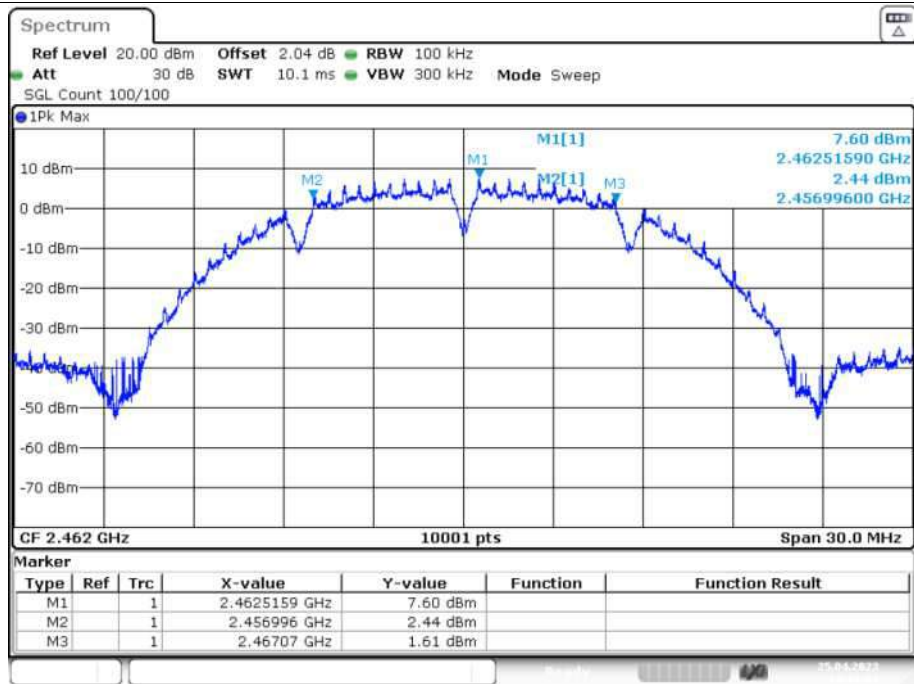


-6dB Bandwidth NVNT b 2412MHz Ant2



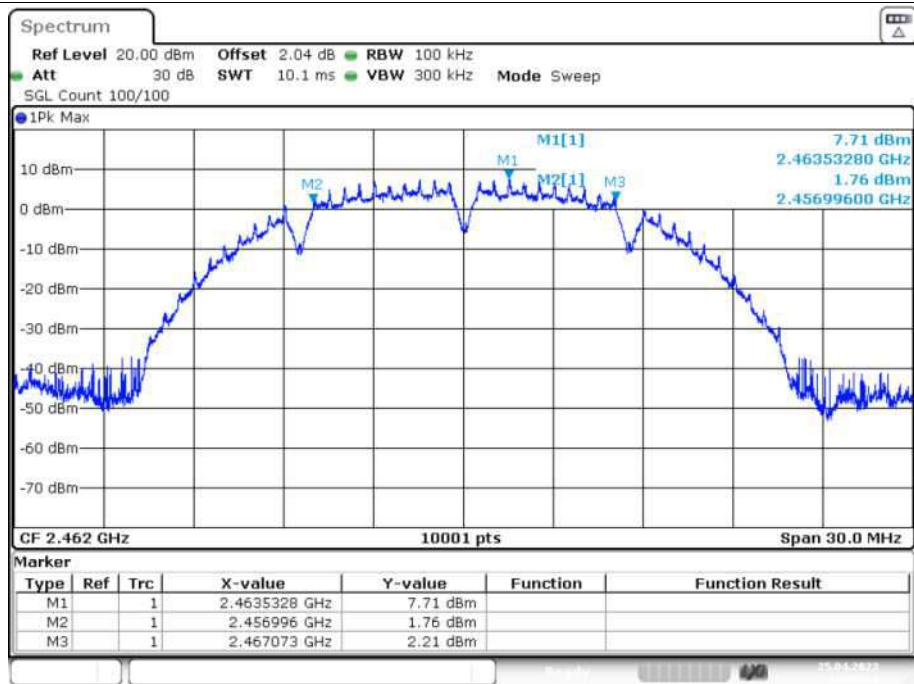


-6dB Bandwidth NVNT b 2462MHz Ant1

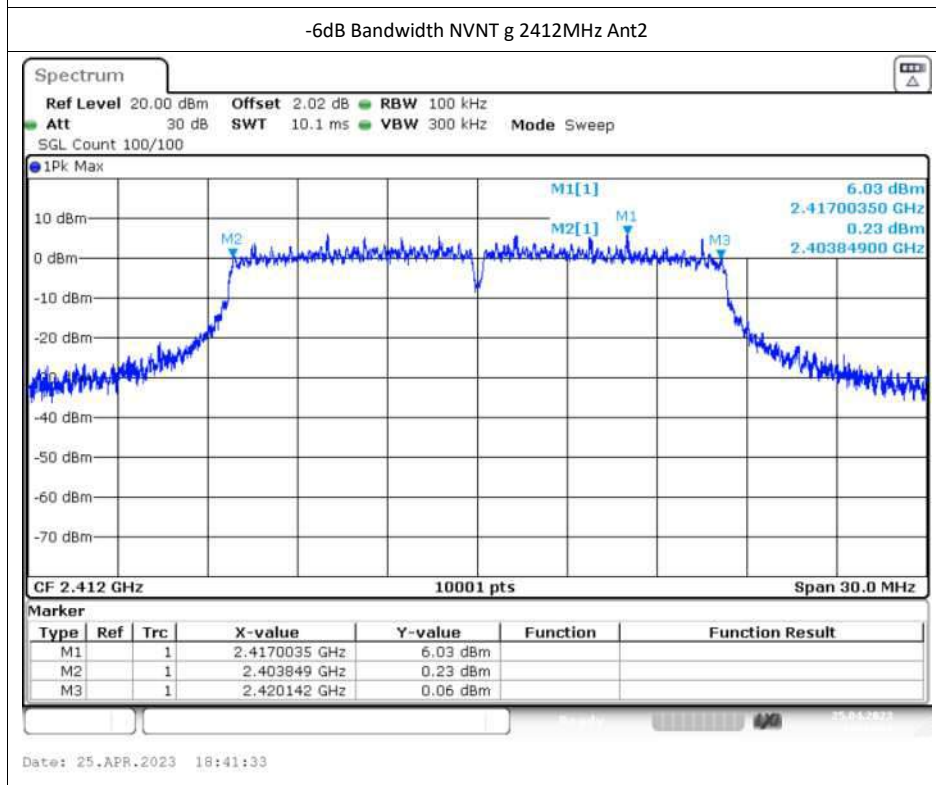
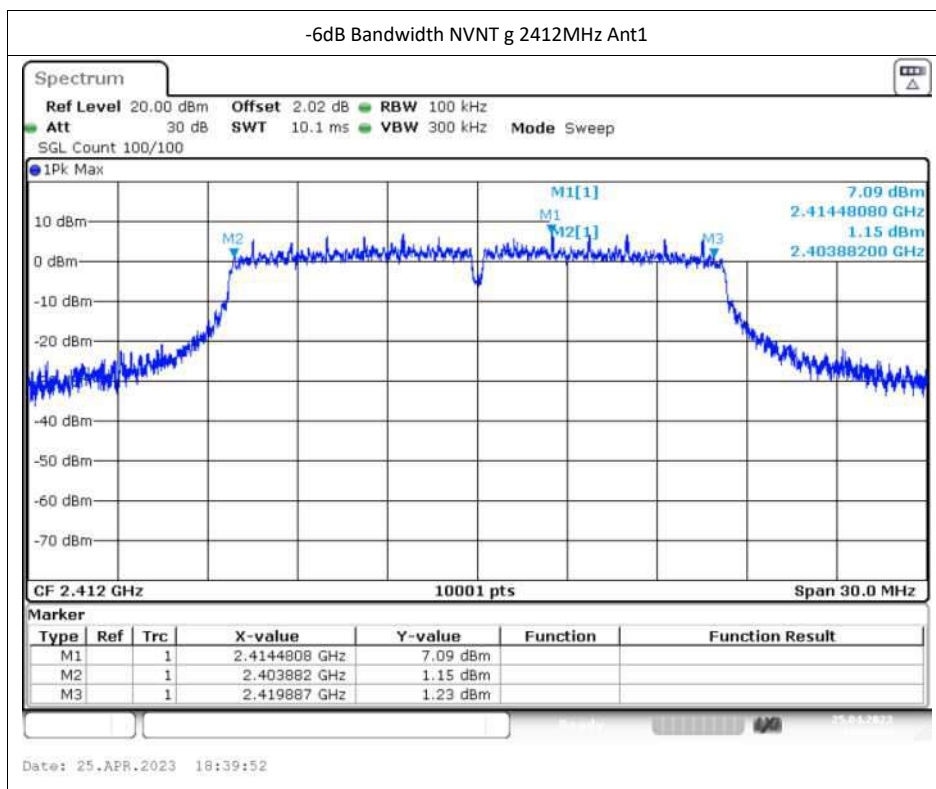


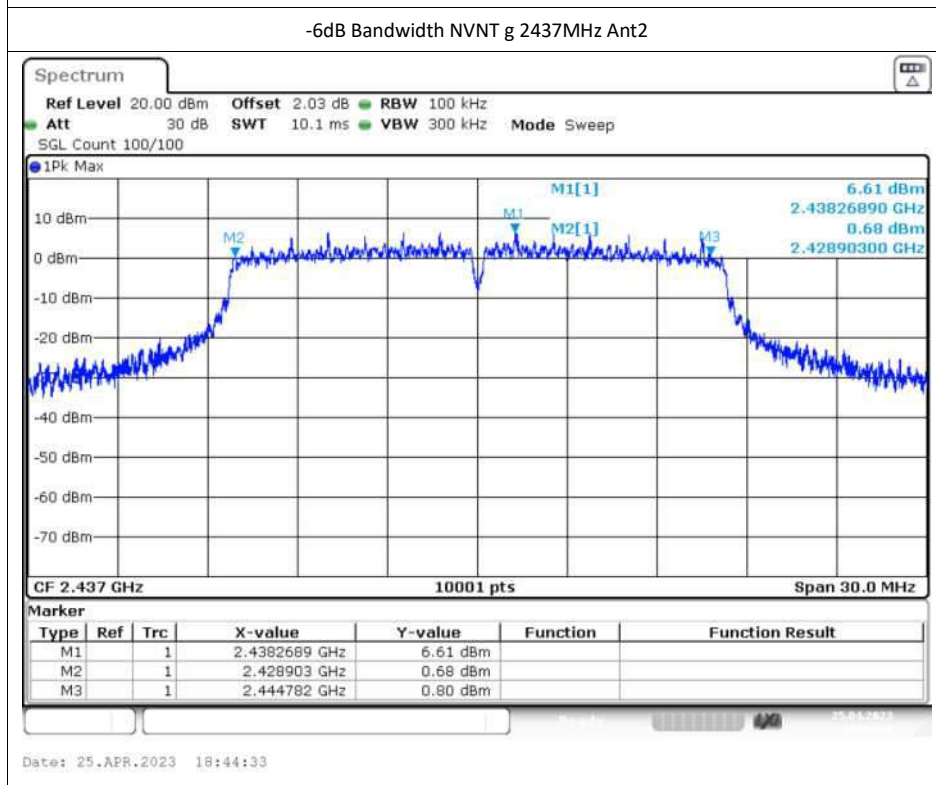
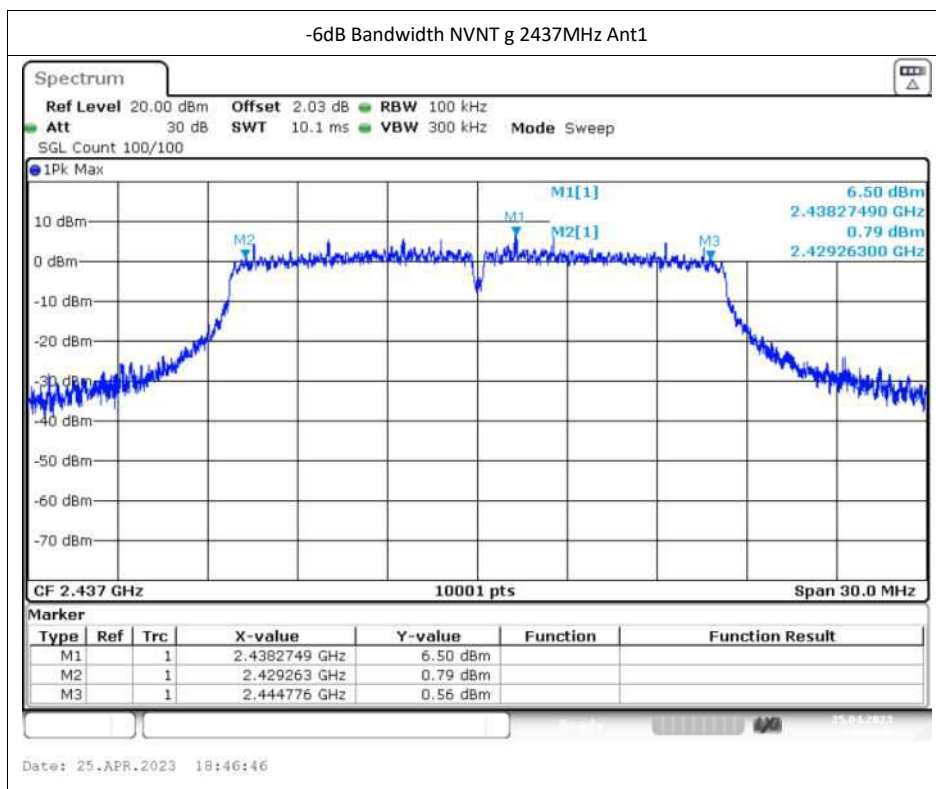
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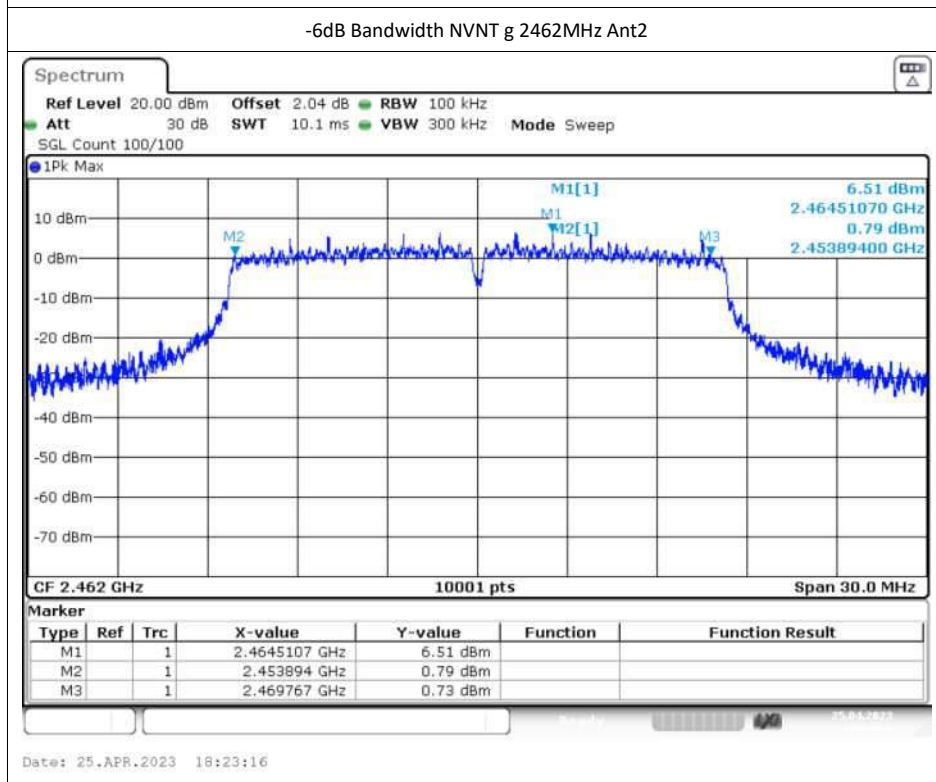
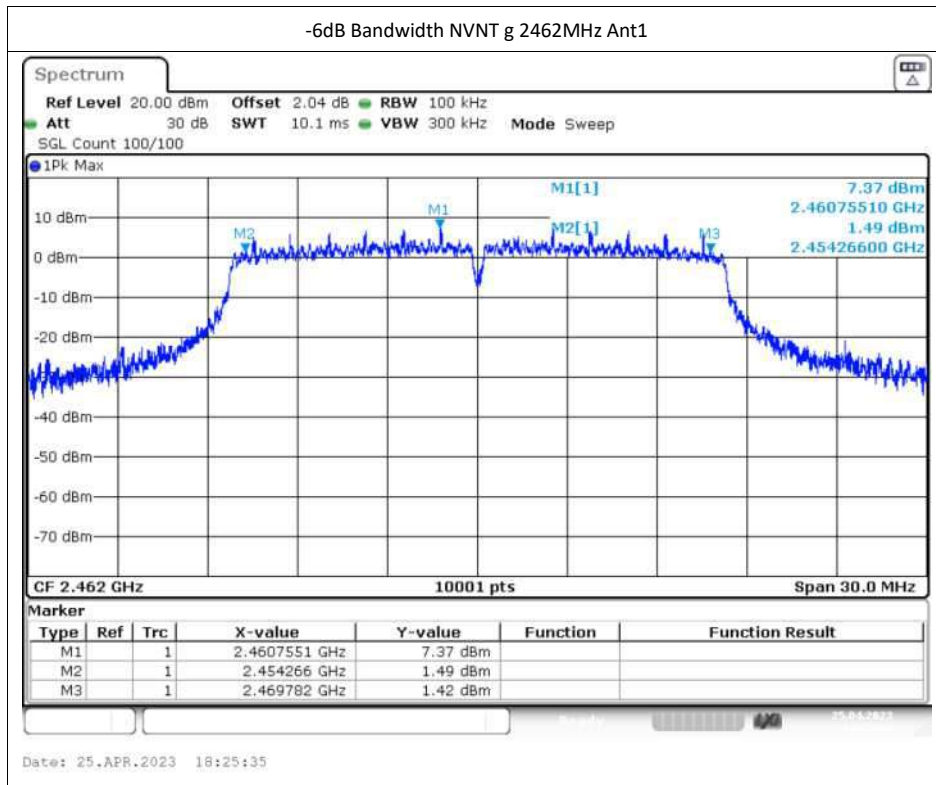
-6dB Bandwidth NVNT b 2462MHz Ant2

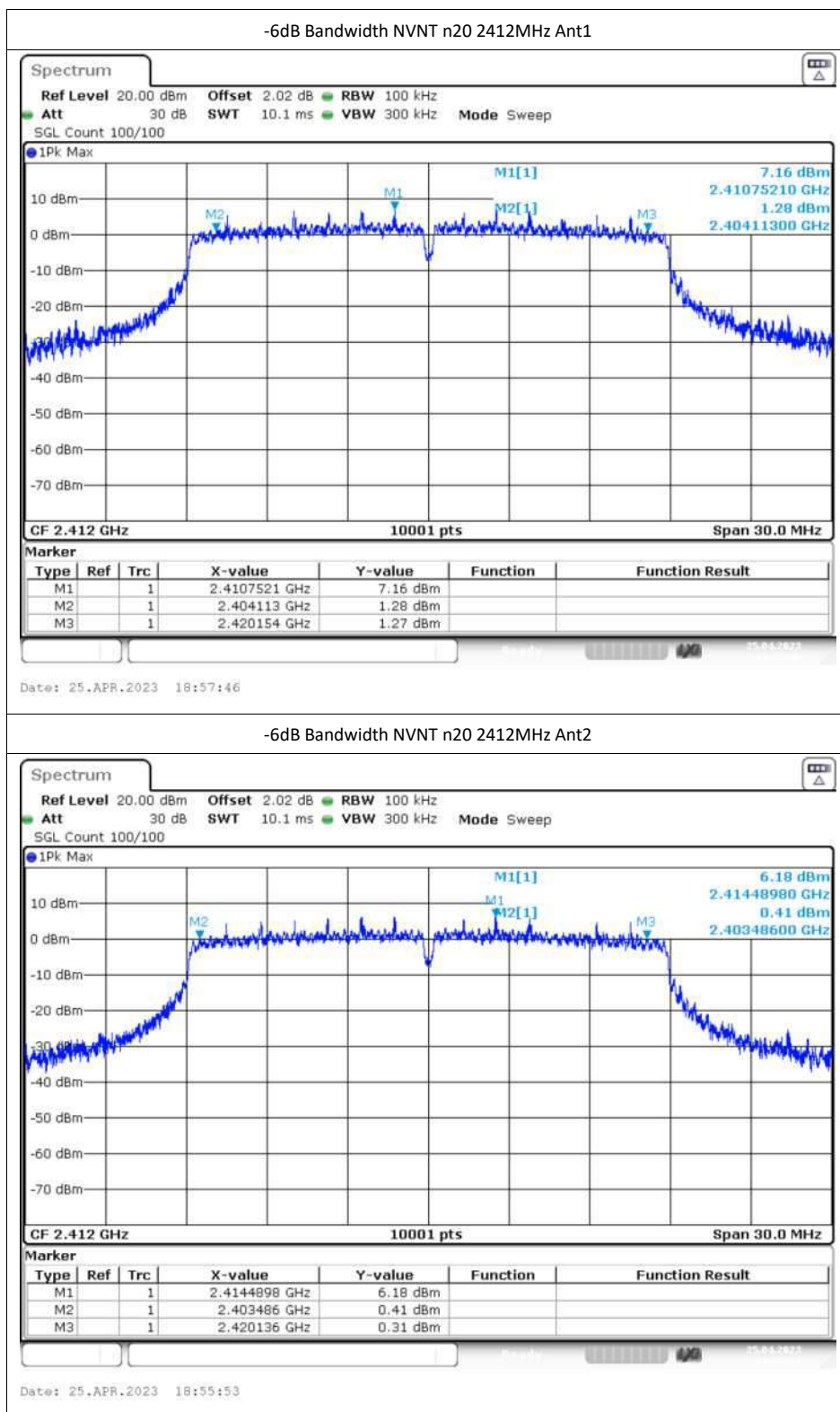


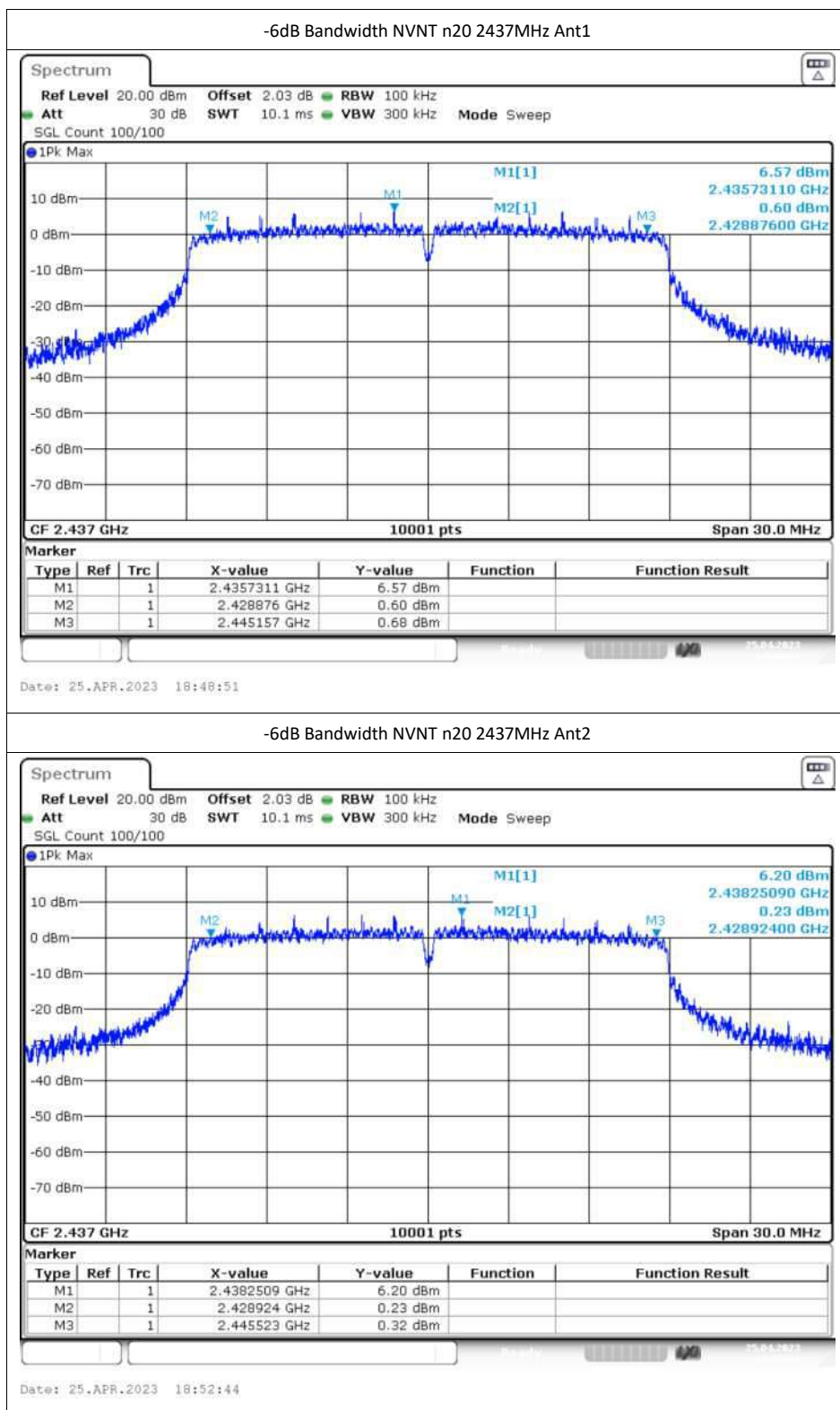
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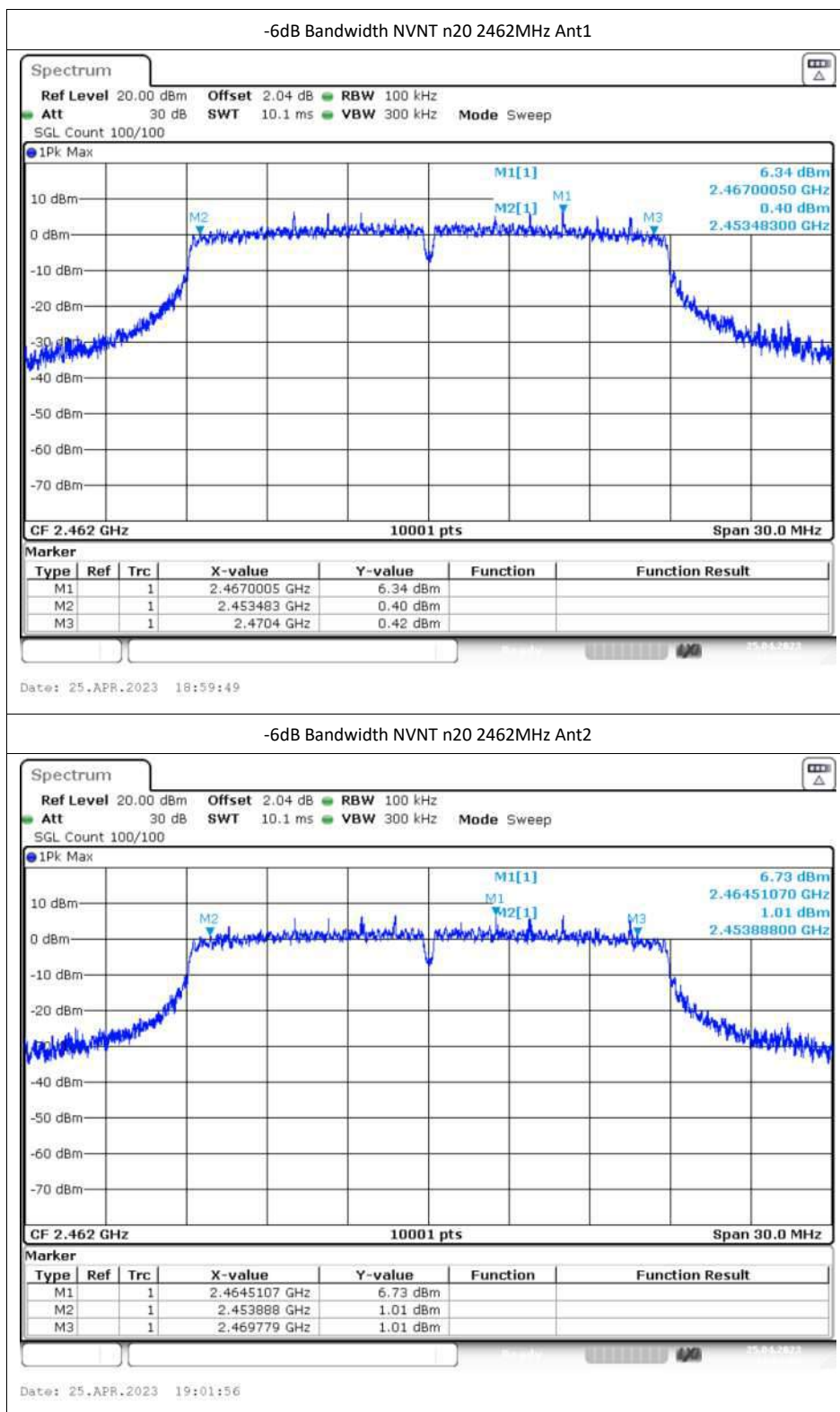


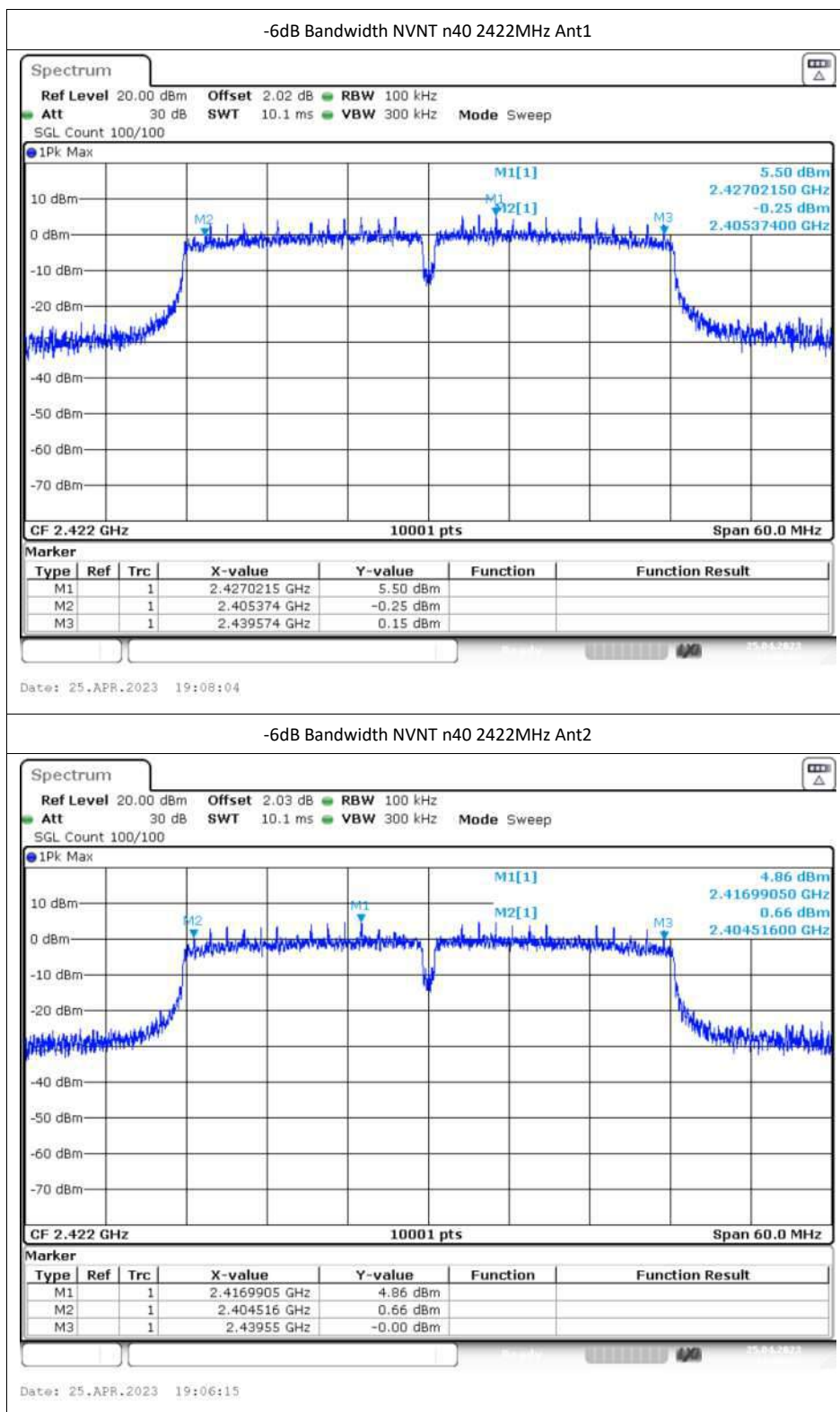


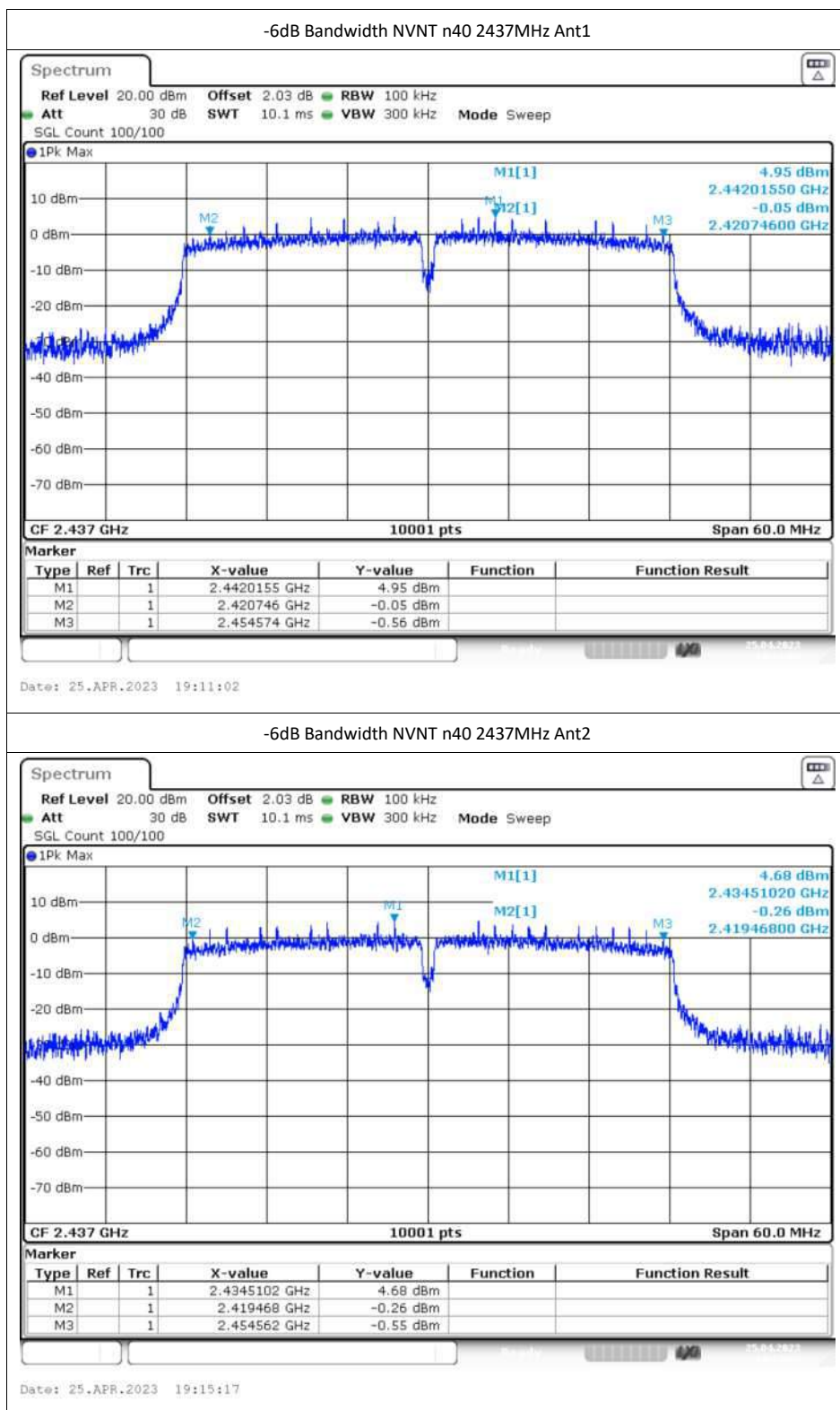


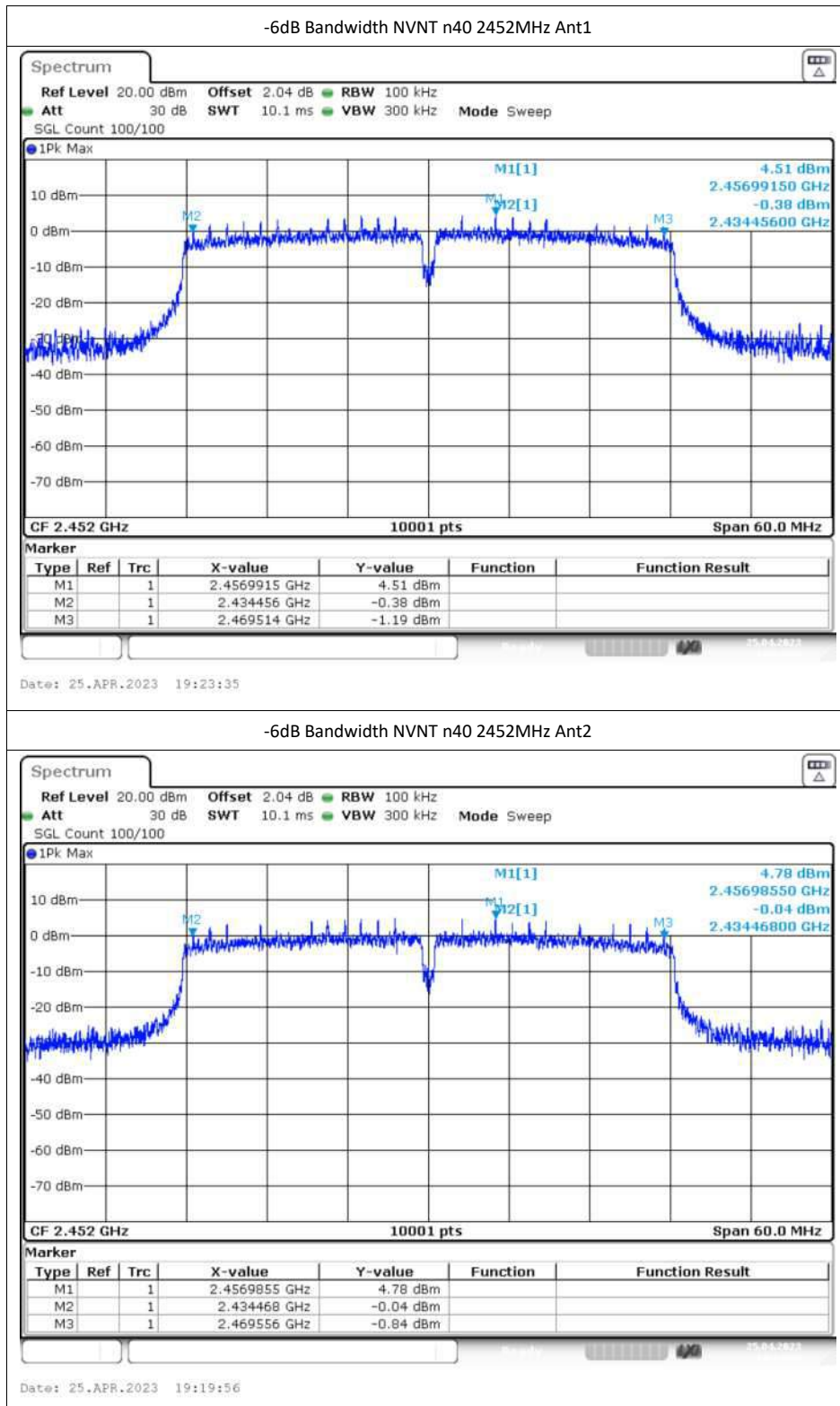






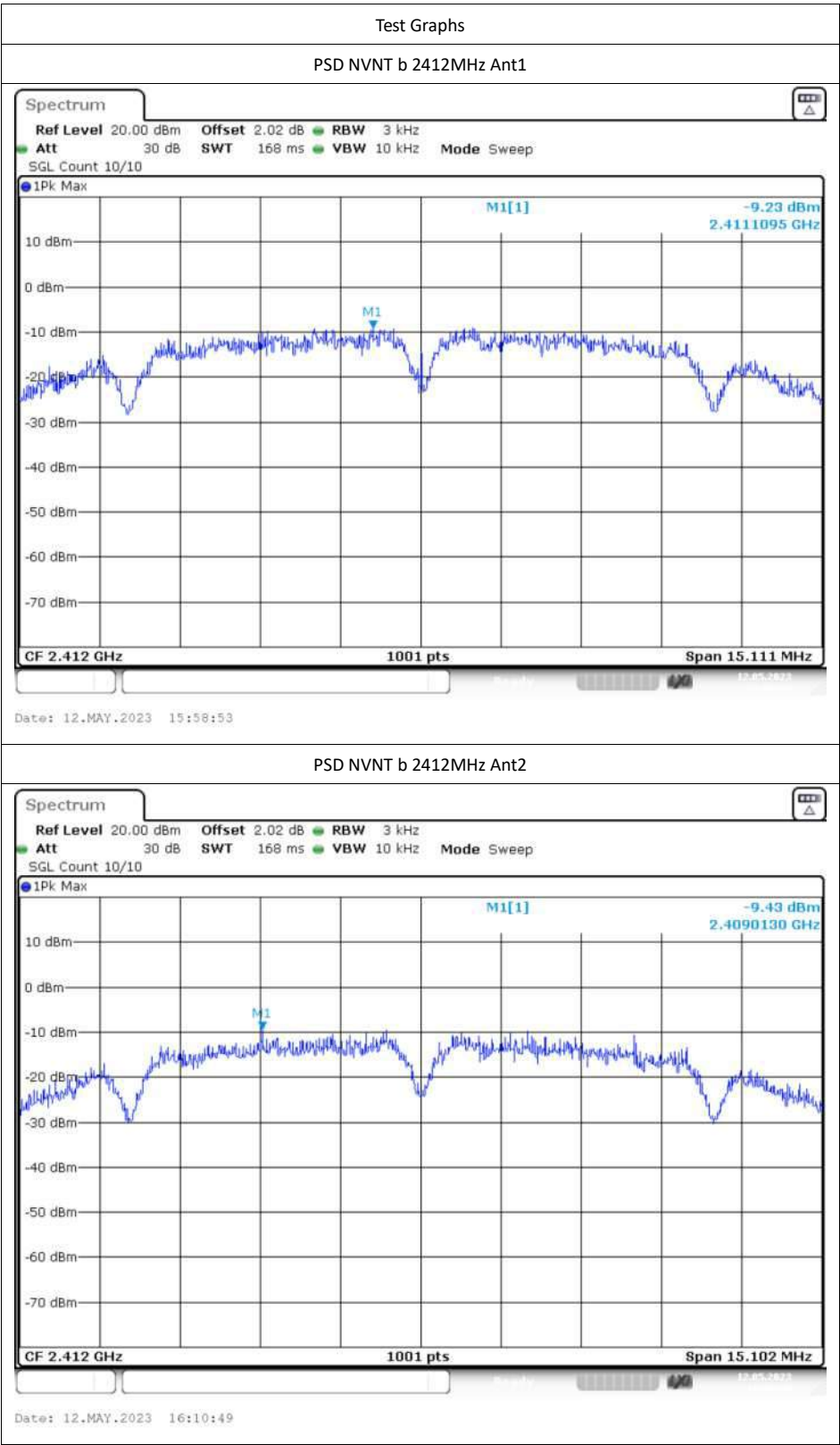


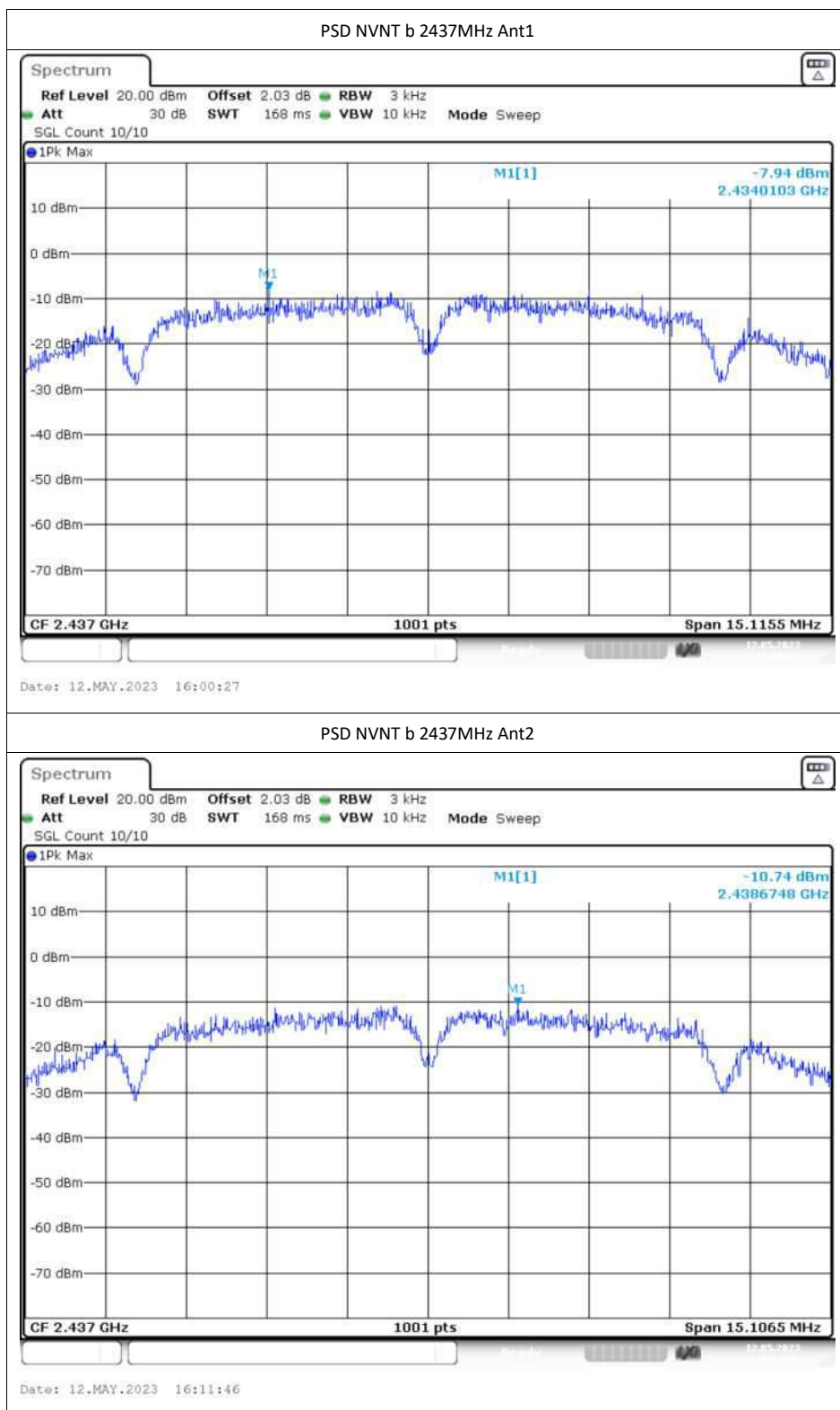


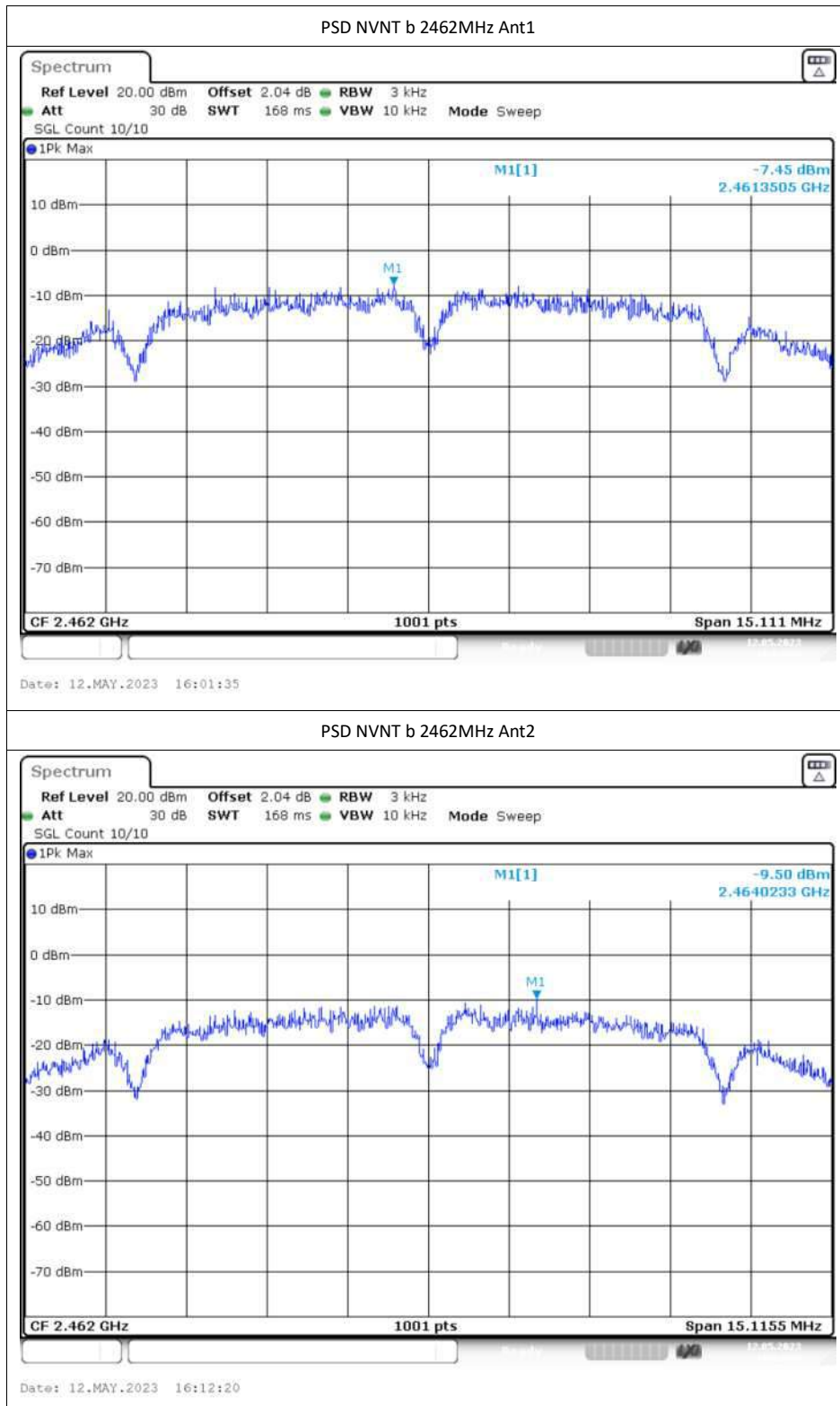


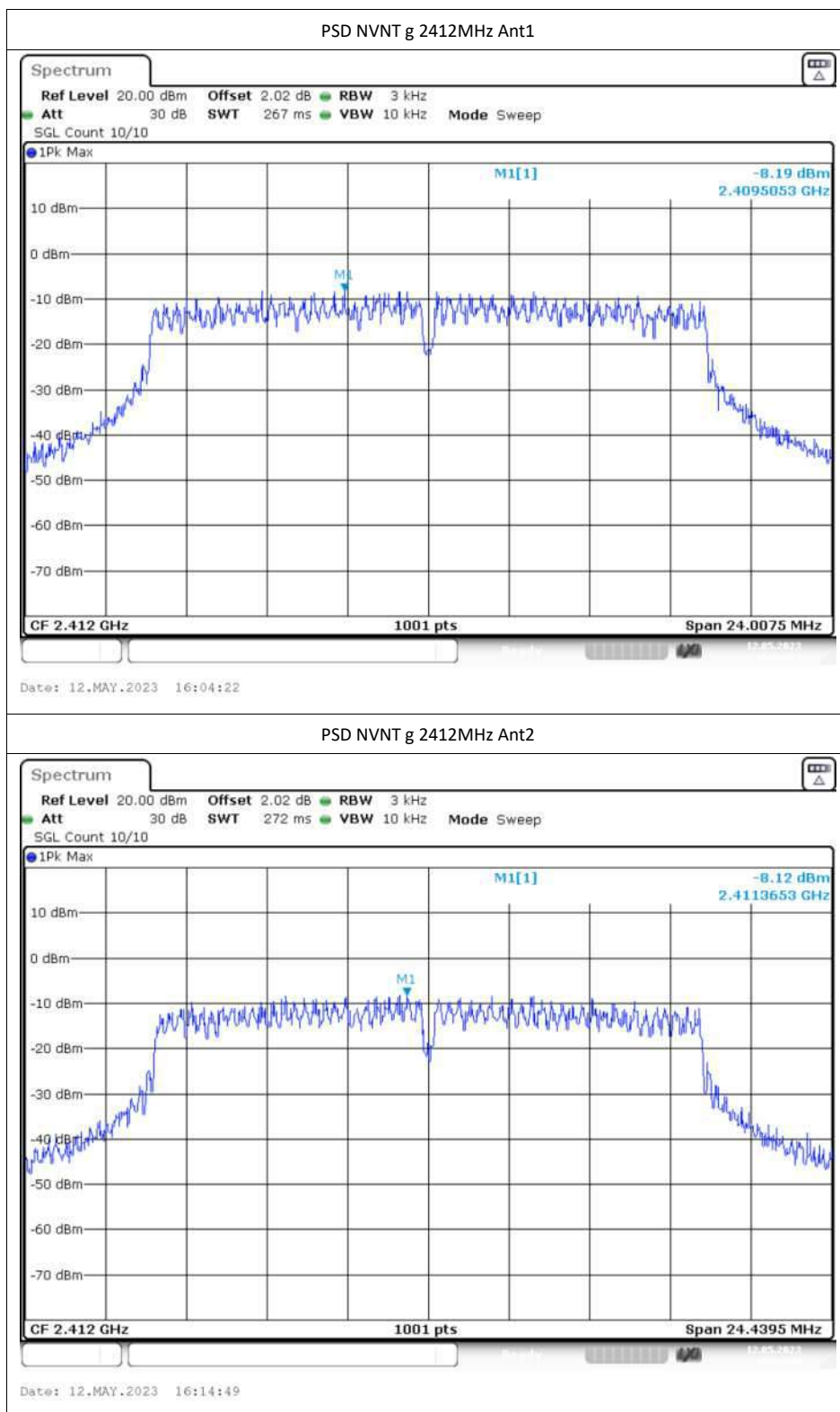
Maximum Power Spectral Density Level

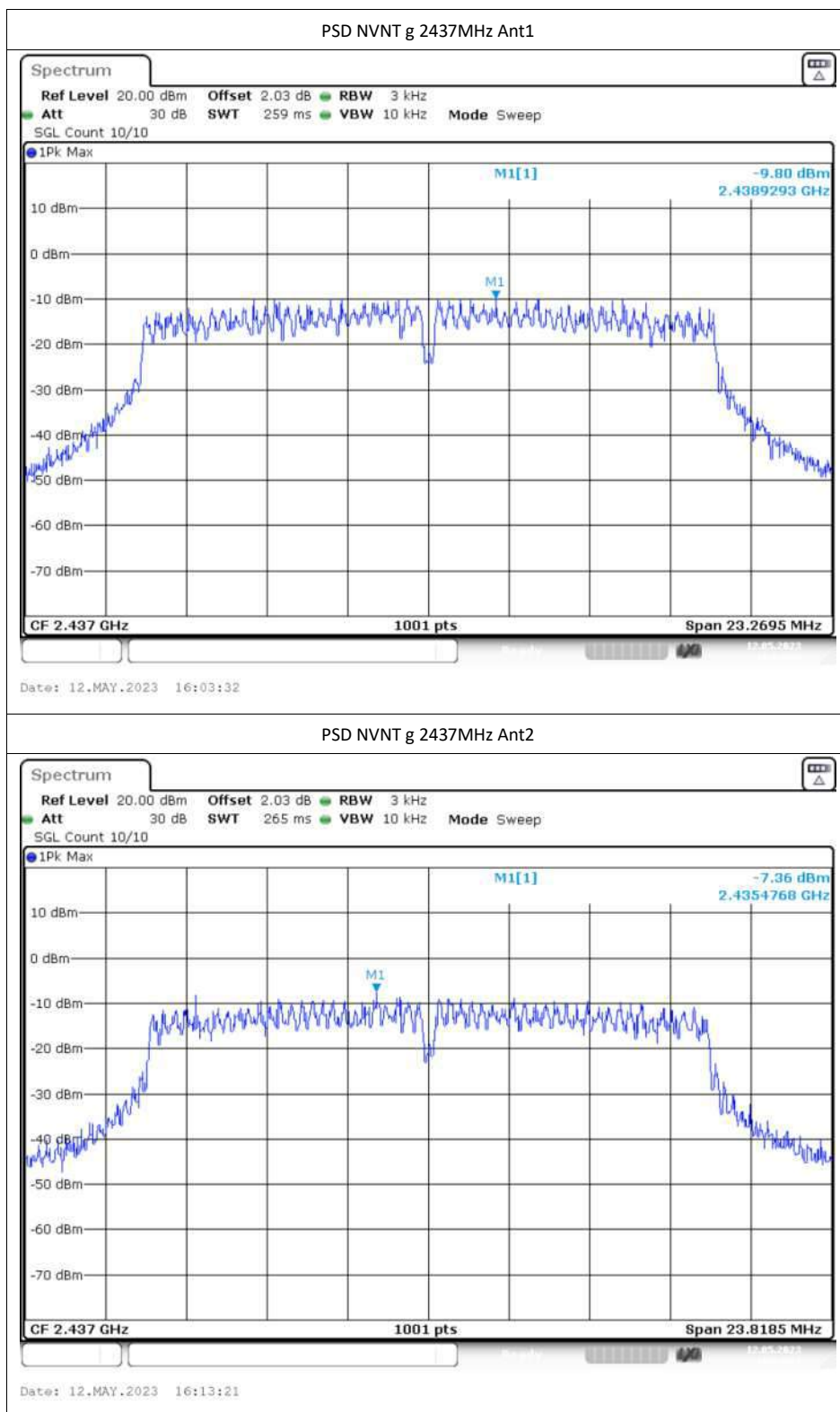
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.23	0	-9.23	8	Pass
NVNT	b	2412	Ant2	-9.43	0	-9.43	8	Pass
NVNT	b	2437	Ant1	-7.94	0	-7.94	8	Pass
NVNT	b	2437	Ant2	-10.74	0	-10.74	8	Pass
NVNT	b	2462	Ant1	-7.45	0	-7.45	8	Pass
NVNT	b	2462	Ant2	-9.5	0	-9.5	8	Pass
NVNT	g	2412	Ant1	-8.19	0	-8.19	8	Pass
NVNT	g	2412	Ant2	-8.12	0	-8.12	8	Pass
NVNT	g	2437	Ant1	-9.8	0	-9.8	8	Pass
NVNT	g	2437	Ant2	-7.36	0	-7.36	8	Pass
NVNT	g	2462	Ant1	-6.95	0	-6.95	8	Pass
NVNT	g	2462	Ant2	-7.37	0	-7.37	8	Pass
NVNT	n20	2412	Ant1	-6.19	0	-6.19	8	Pass
NVNT	n20	2412	Ant2	-6.38	0	-6.38	8	Pass
NVNT	n20	2412	Sum	-3.27	-	-3.27	8	Pass
NVNT	n20	2437	Ant1	-6.38	0	-6.38	8	Pass
NVNT	n20	2437	Ant2	-6.83	0	-6.83	8	Pass
NVNT	n20	2437	Sum	-3.59	-	-3.59	8	Pass
NVNT	n20	2462	Ant1	-6.71	0	-6.71	8	Pass
NVNT	n20	2462	Ant2	-7.05	0	-7.05	8	Pass
NVNT	n20	2462	Sum	-3.87	-	-3.87	8	Pass
NVNT	n40	2422	Ant1	-6.93	0	-6.93	8	Pass
NVNT	n40	2422	Ant2	-9.79	0	-9.79	8	Pass
NVNT	n40	2422	Sum	-5.12	-	-5.12	8	Pass
NVNT	n40	2437	Ant1	-8.75	0	-8.75	8	Pass
NVNT	n40	2437	Ant2	-10.03	0	-10.03	8	Pass
NVNT	n40	2437	Sum	-6.33	-	-6.33	8	Pass
NVNT	n40	2452	Ant1	-8.91	0	-8.91	8	Pass
NVNT	n40	2452	Ant2	-9.98	0	-9.98	8	Pass
NVNT	n40	2452	Sum	-6.4	-	-6.4	8	Pass

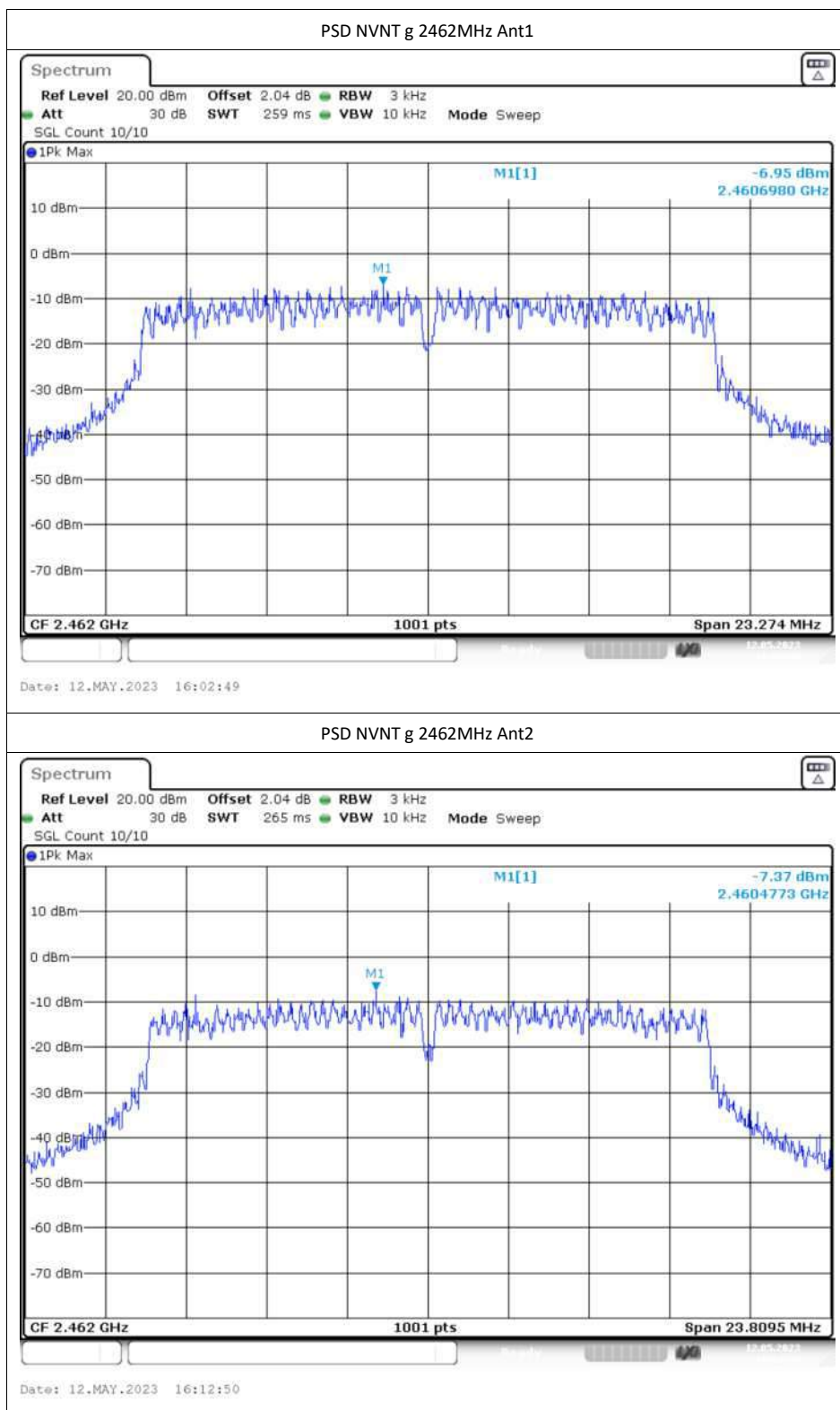


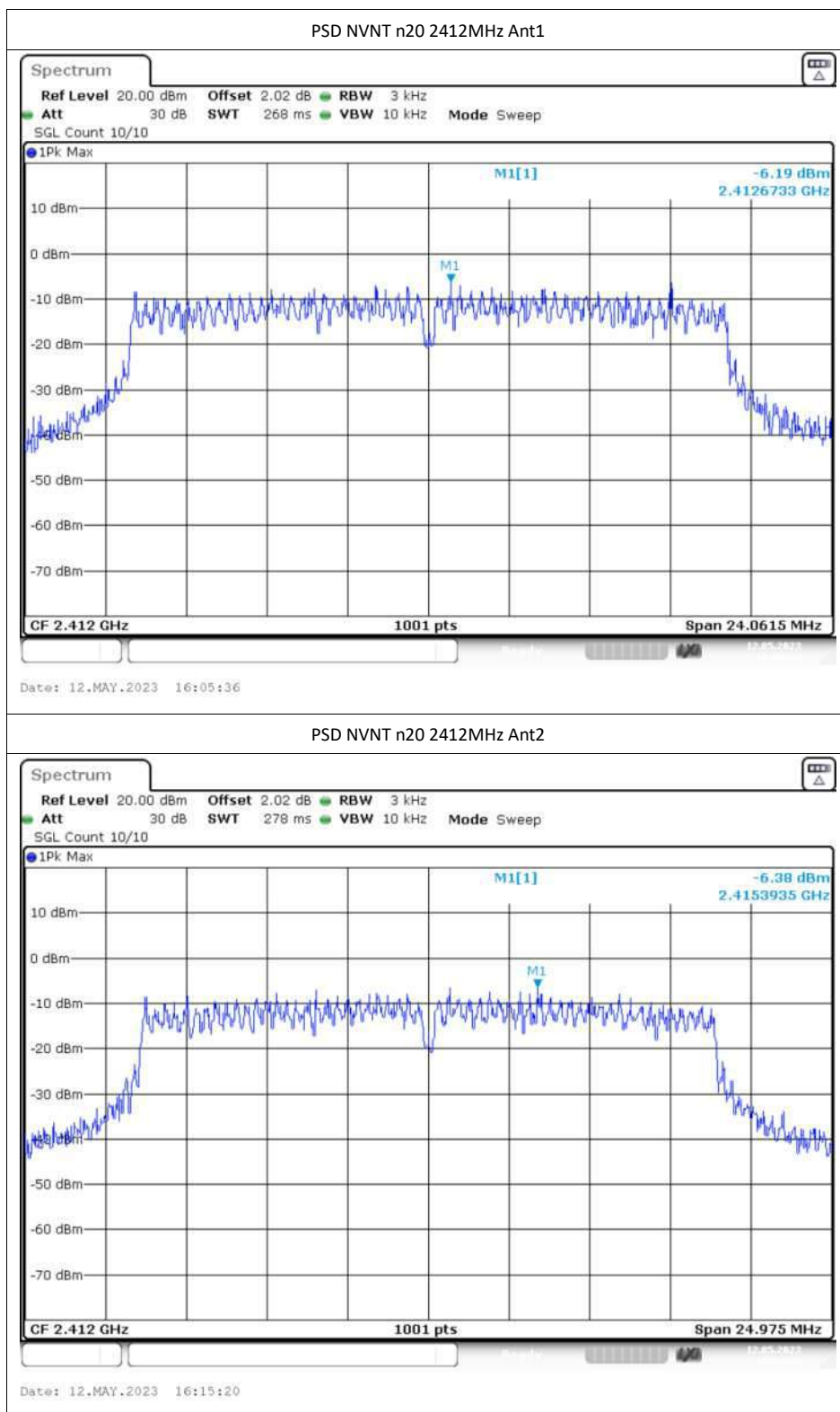


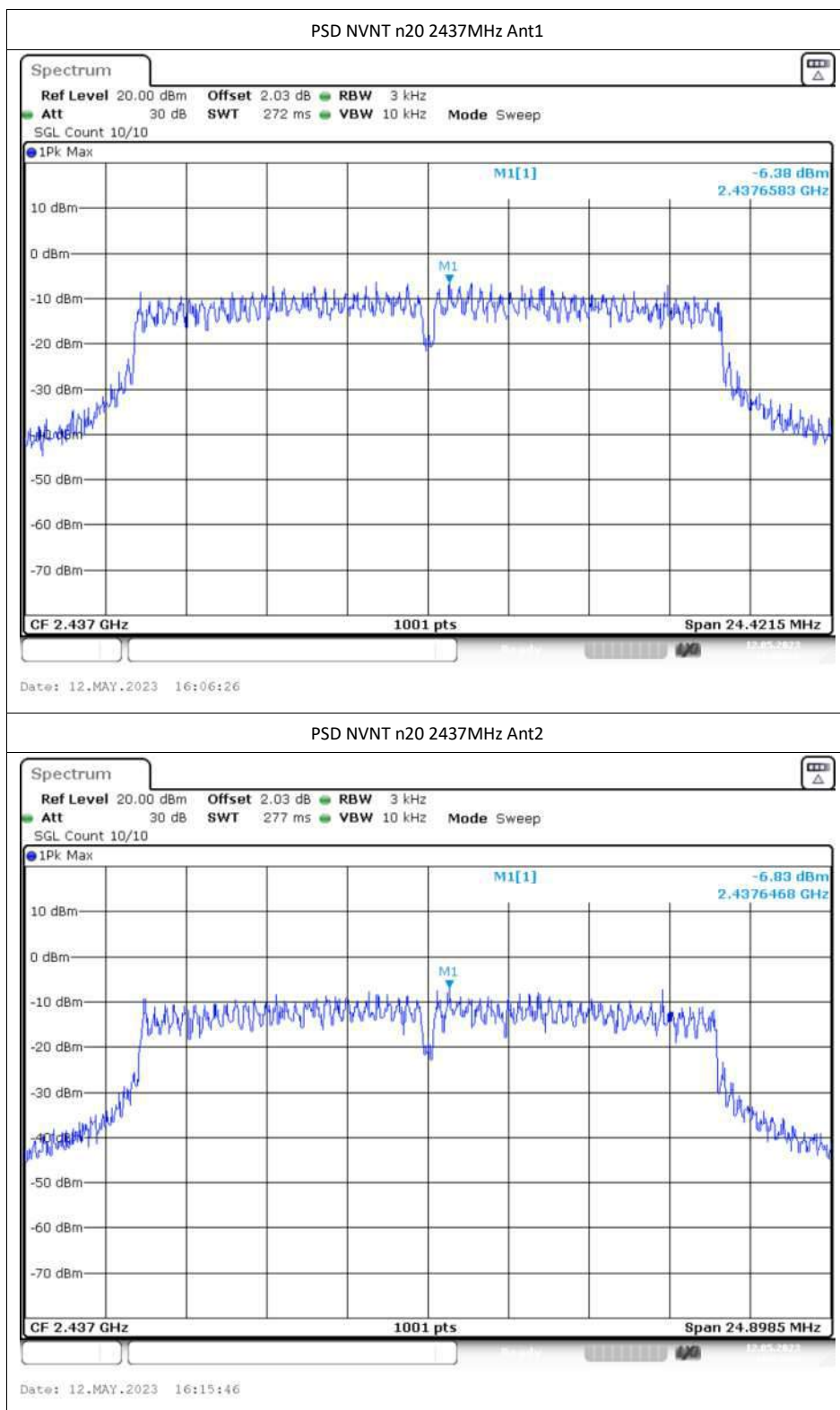


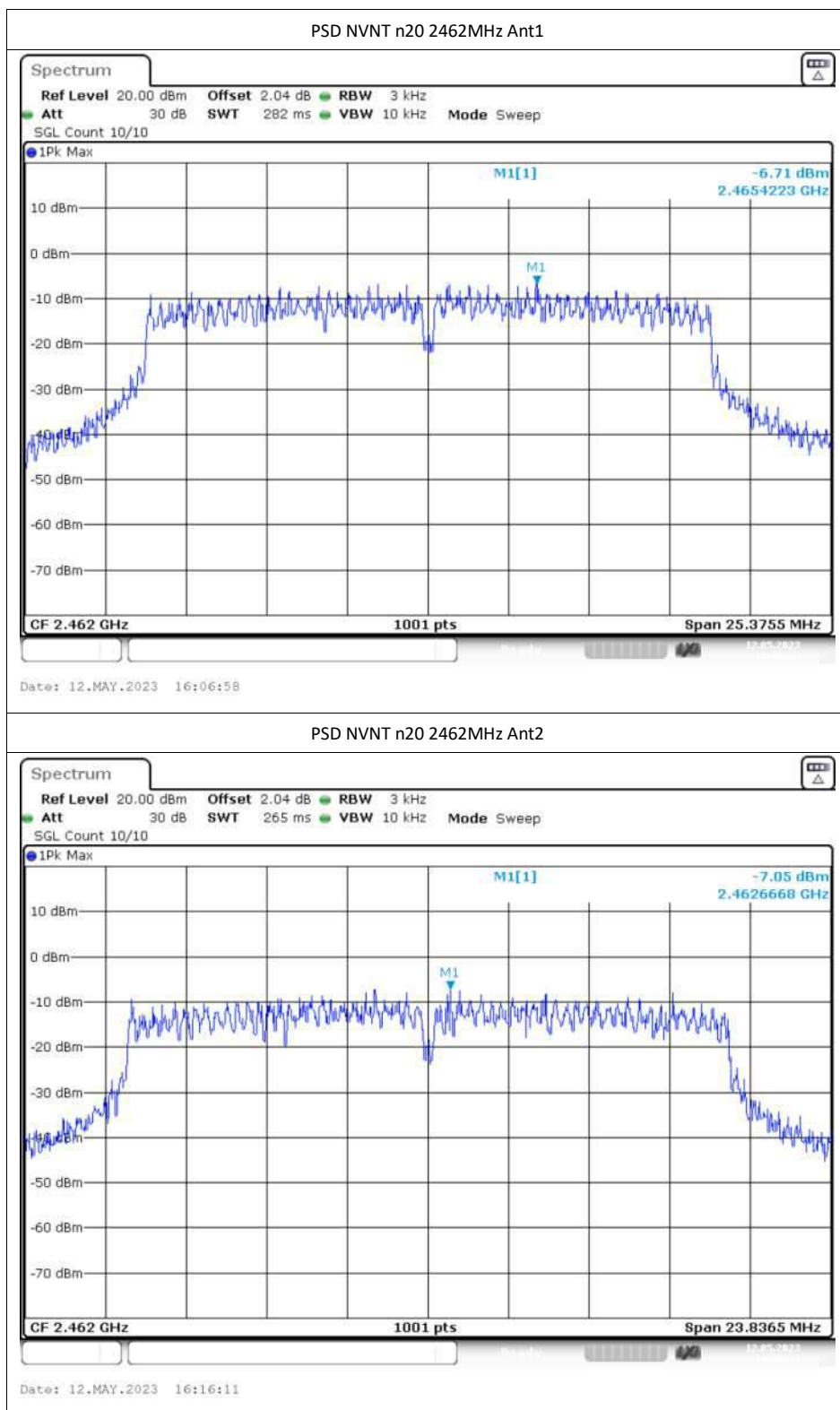


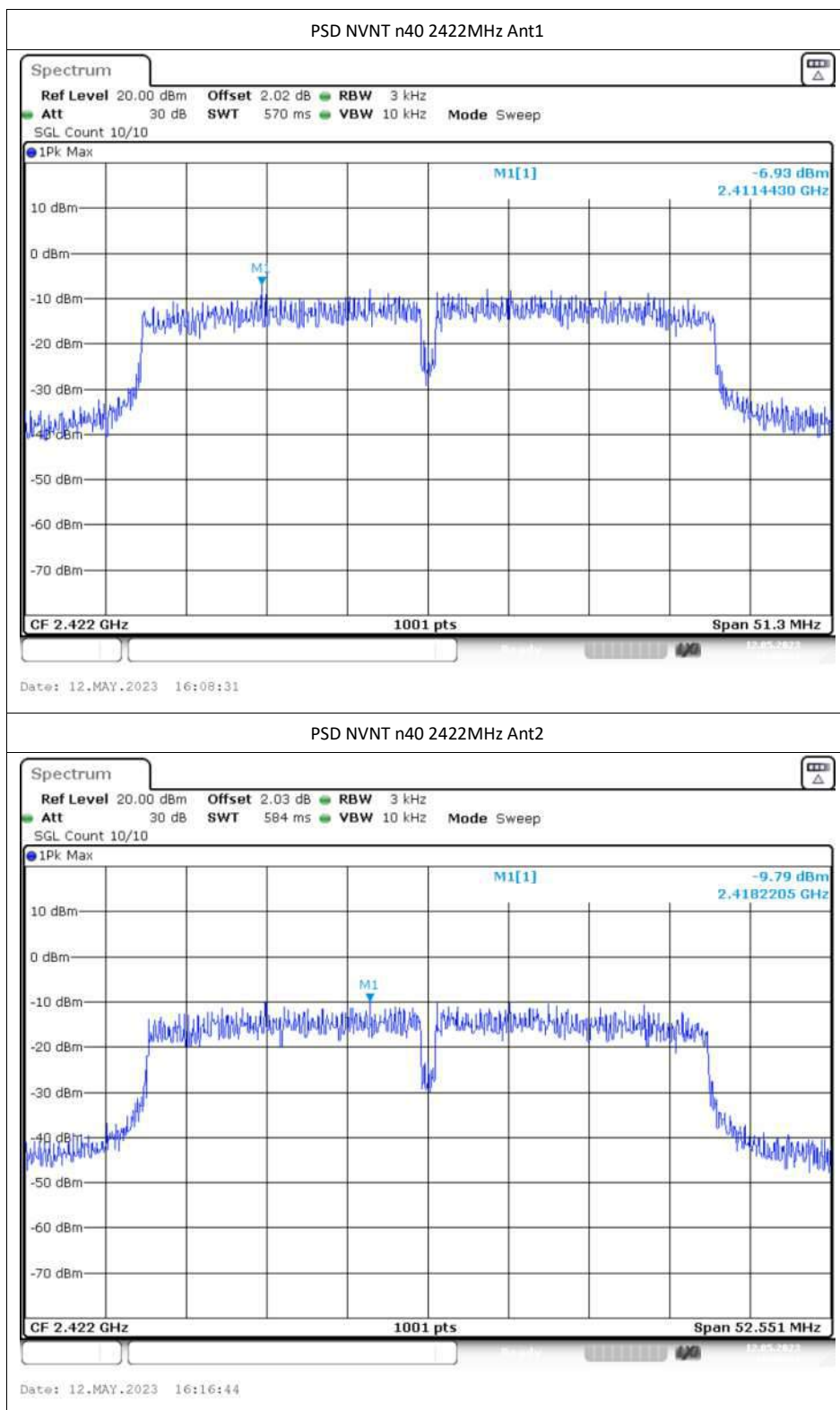


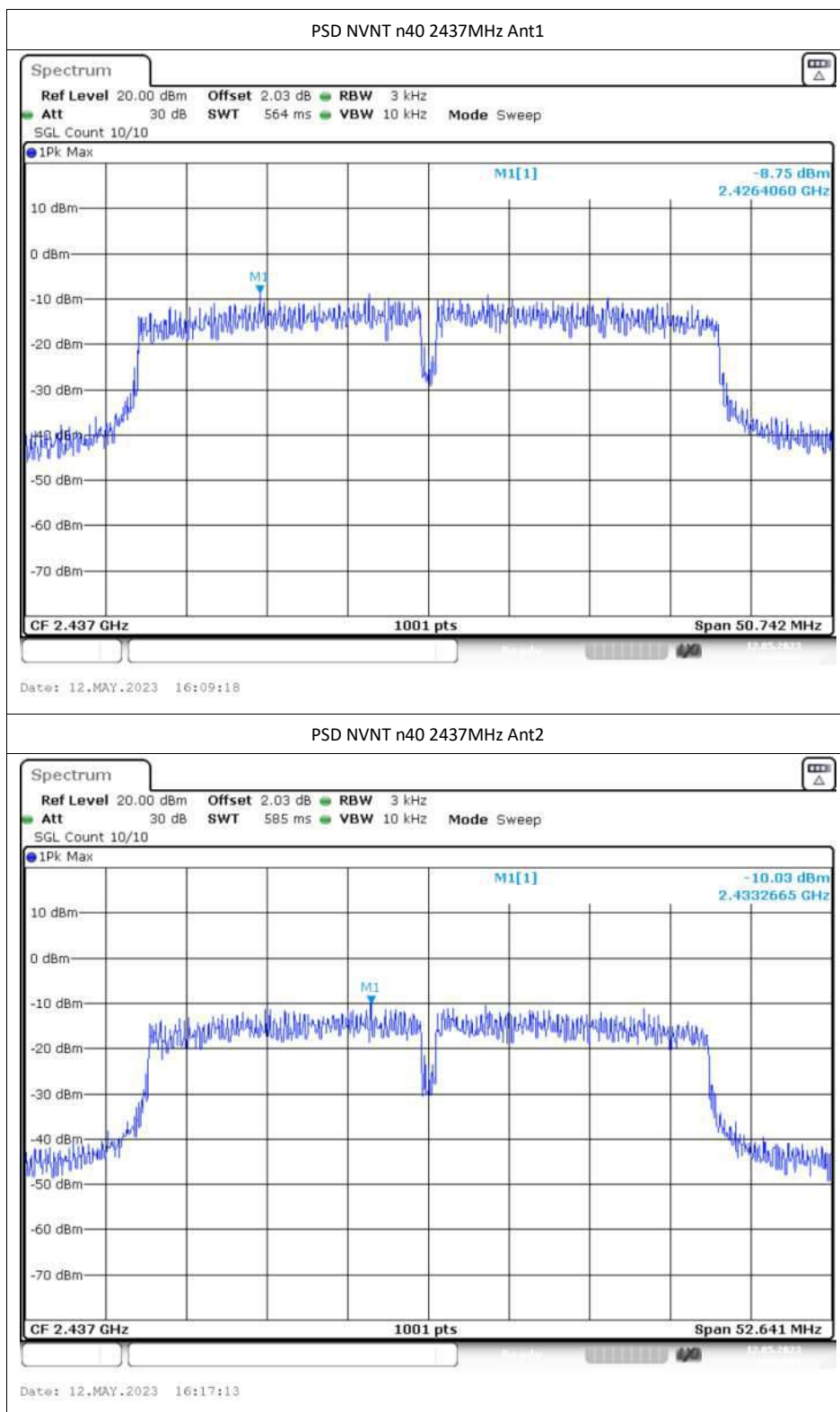


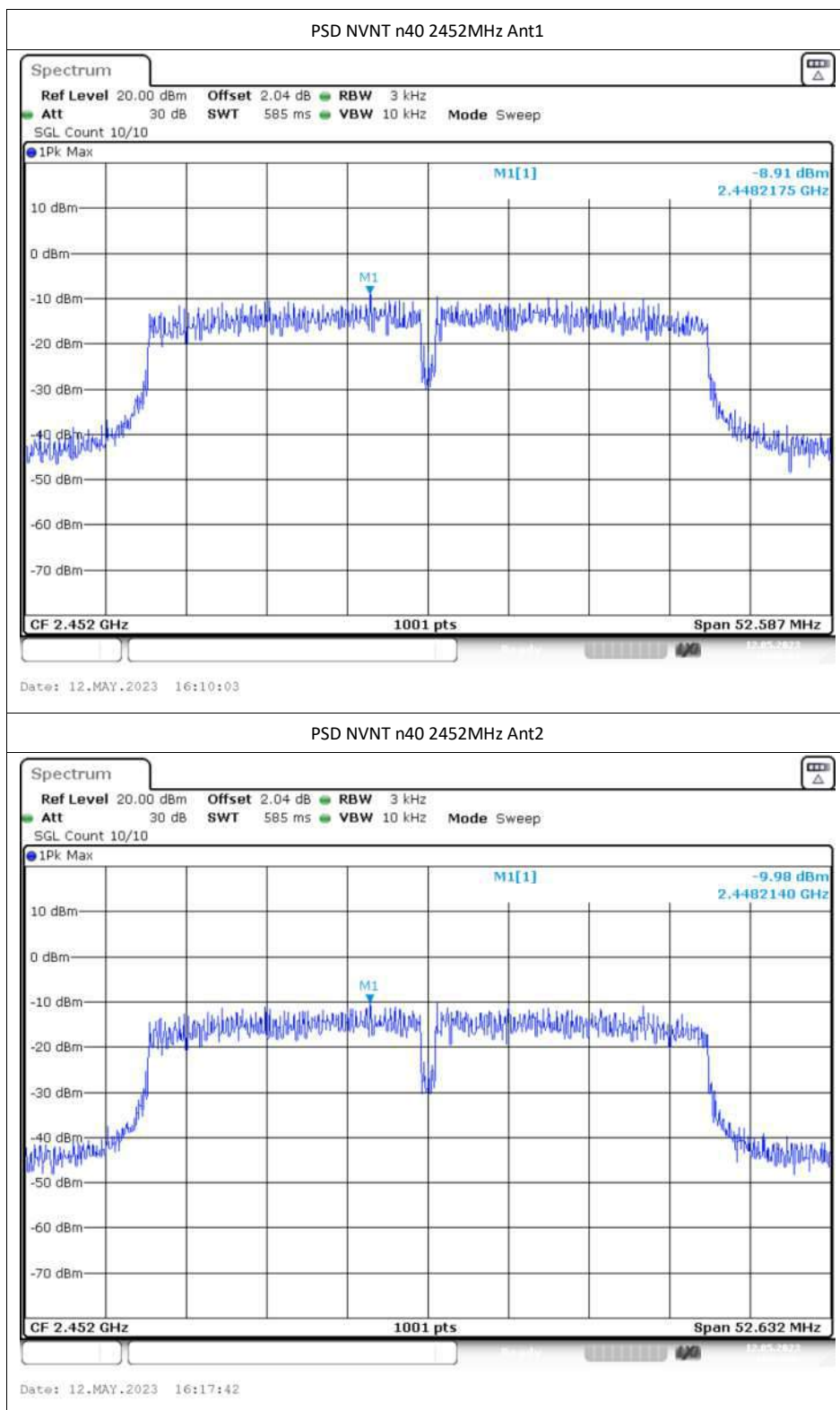






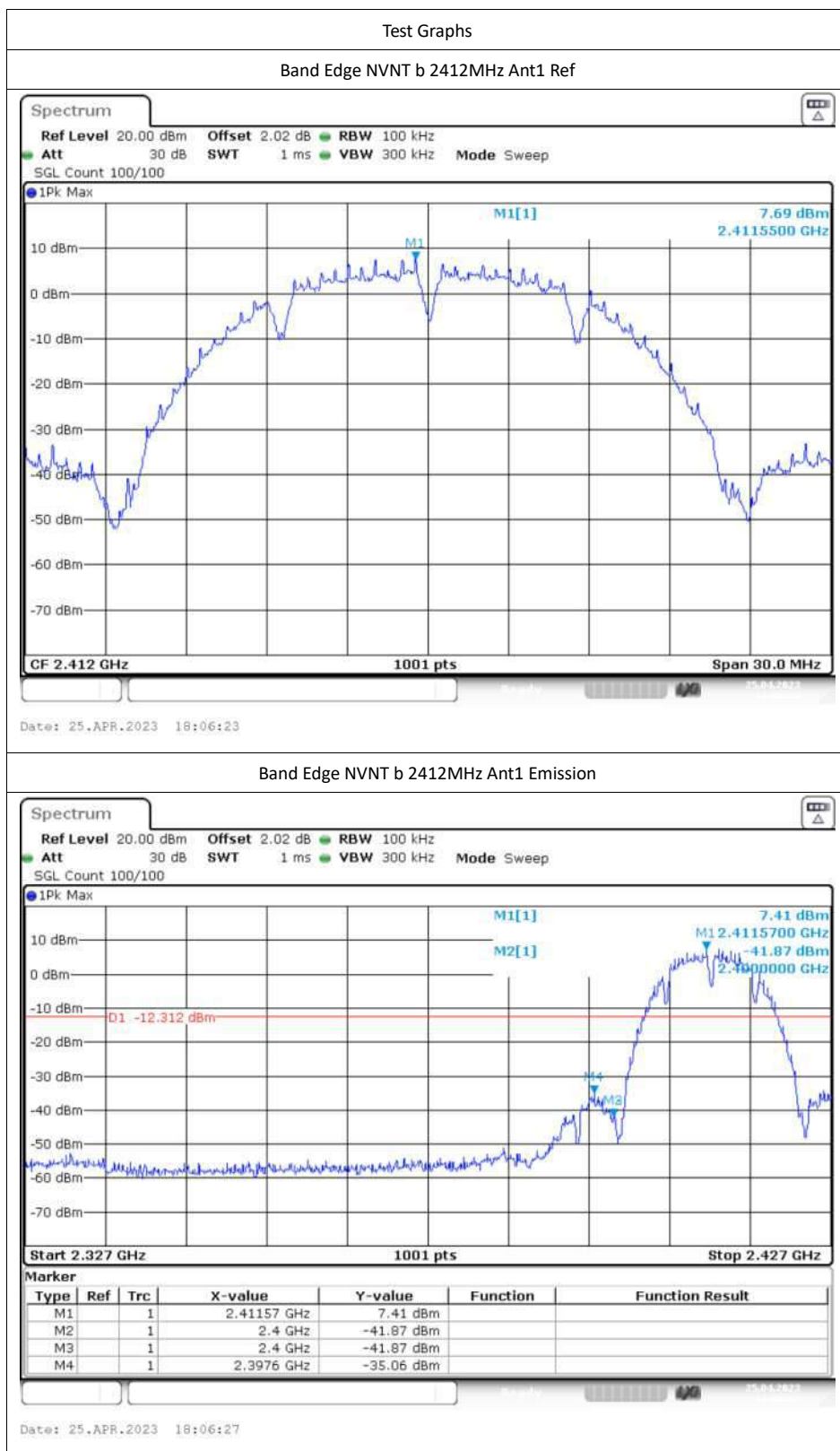


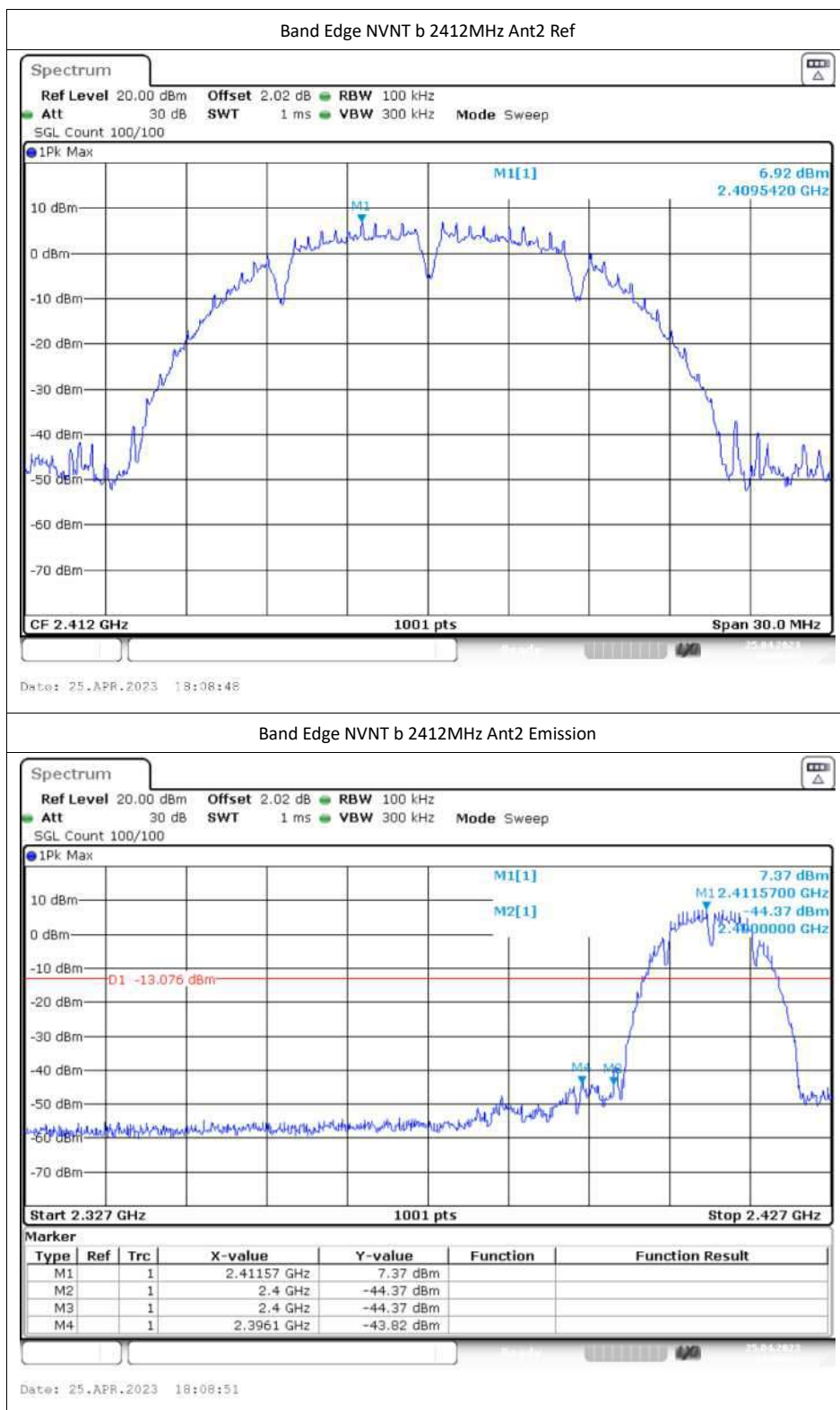


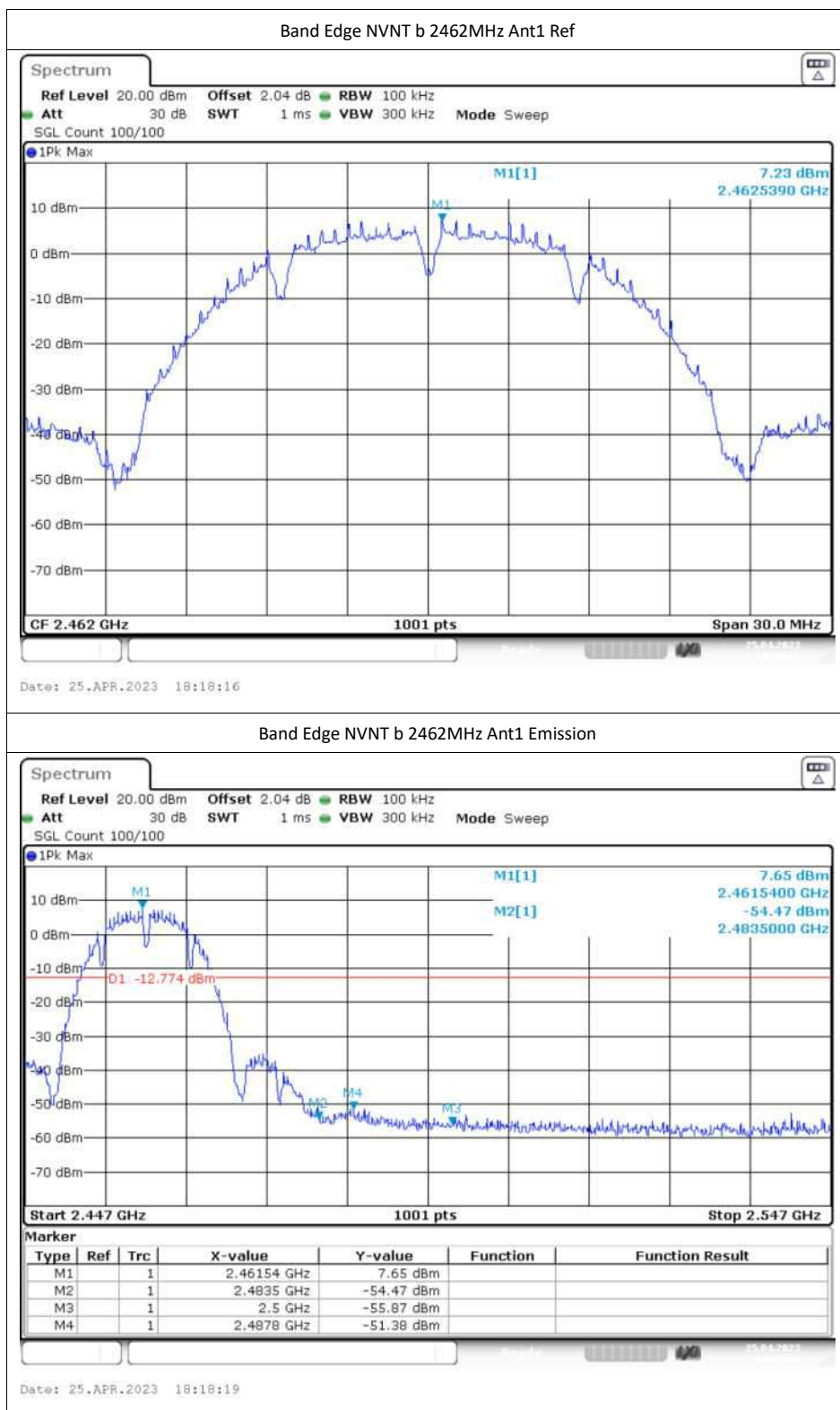


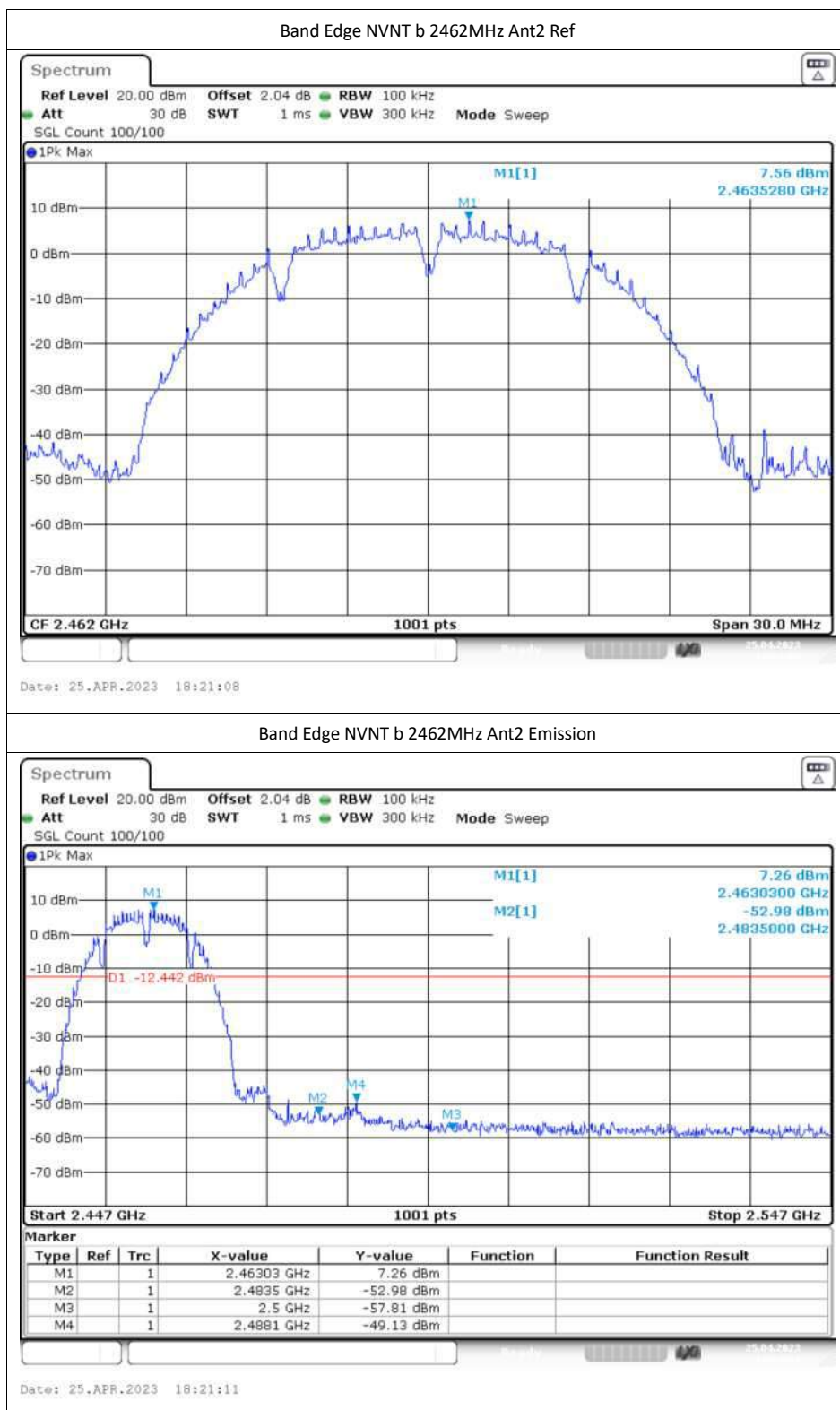
Band Edge

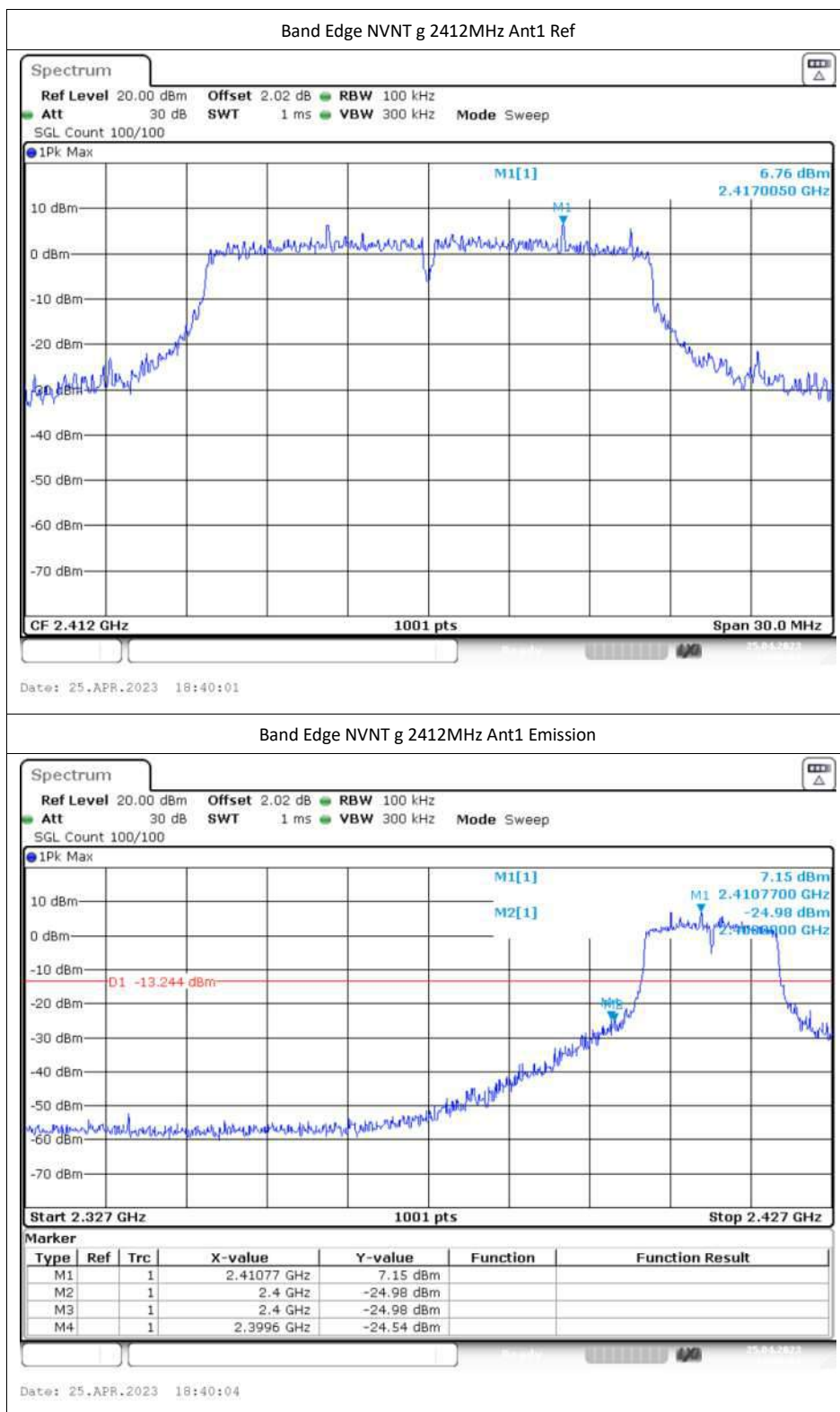
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-42.74	-20	Pass
NVNT	b	2412	Ant2	-50.74	-20	Pass
NVNT	b	2462	Ant1	-58.61	-20	Pass
NVNT	b	2462	Ant2	-56.69	-20	Pass
NVNT	g	2412	Ant1	-31.3	-20	Pass
NVNT	g	2412	Ant2	-32.73	-20	Pass
NVNT	g	2462	Ant1	-45.1	-20	Pass
NVNT	g	2462	Ant2	-43.55	-20	Pass
NVNT	n20	2412	Ant1	-31.08	-20	Pass
NVNT	n20	2412	Ant2	-34.11	-20	Pass
NVNT	n20	2462	Ant1	-42.93	-20	Pass
NVNT	n20	2462	Ant2	-41.87	-20	Pass
NVNT	n40	2422	Ant1	-29.48	-20	Pass
NVNT	n40	2422	Ant2	-29.88	-20	Pass
NVNT	n40	2452	Ant1	-32.22	-20	Pass
NVNT	n40	2452	Ant2	-37.06	-20	Pass

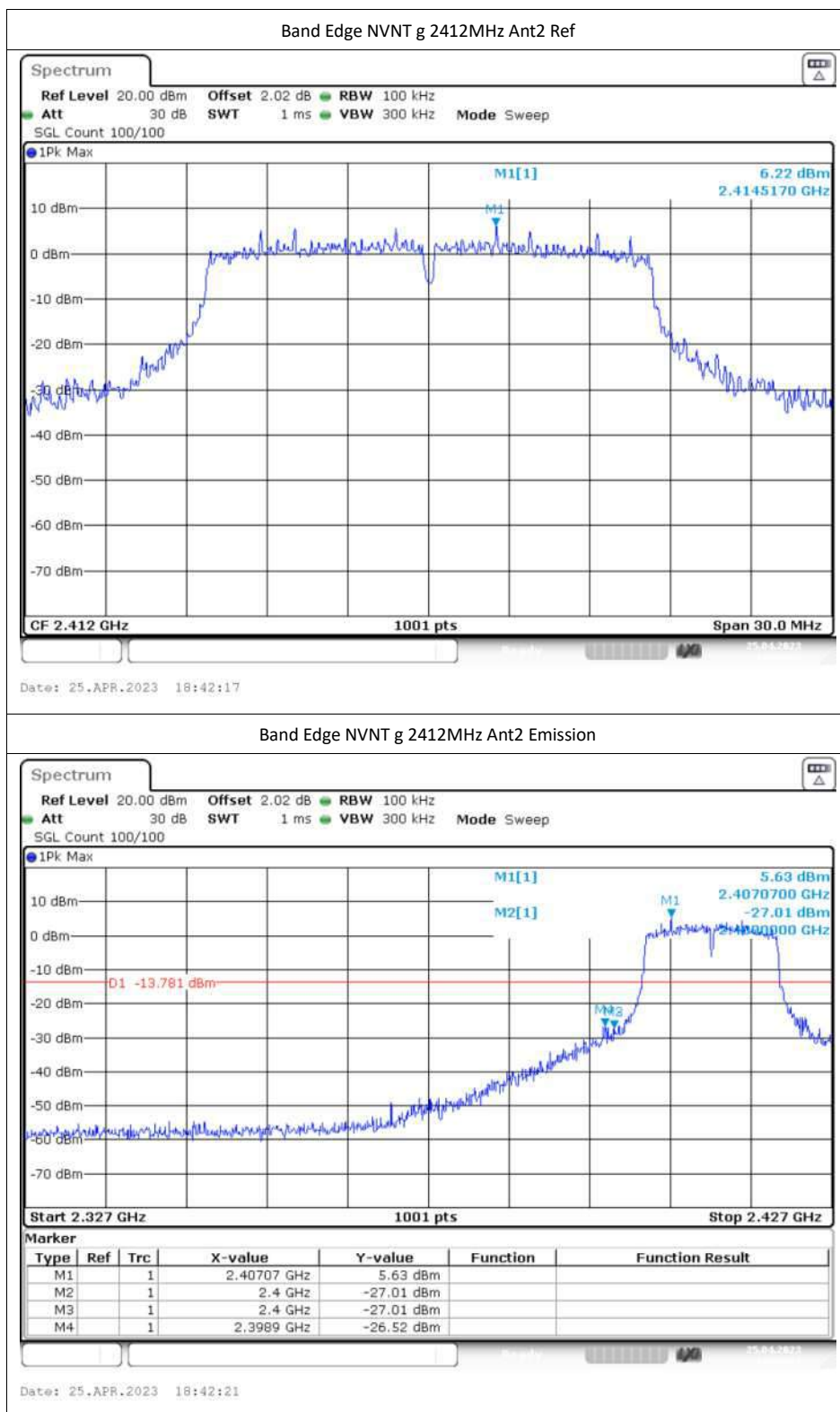


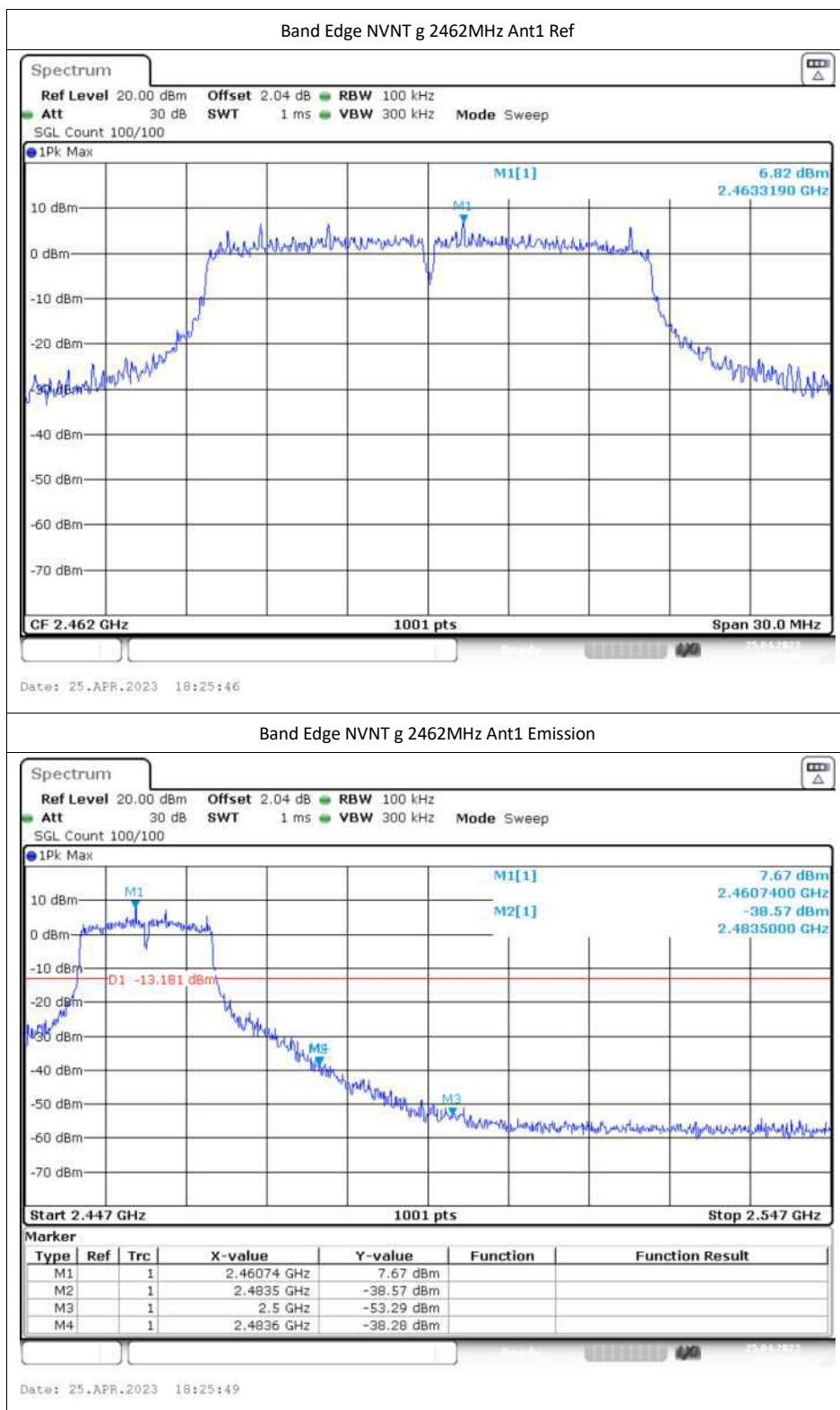


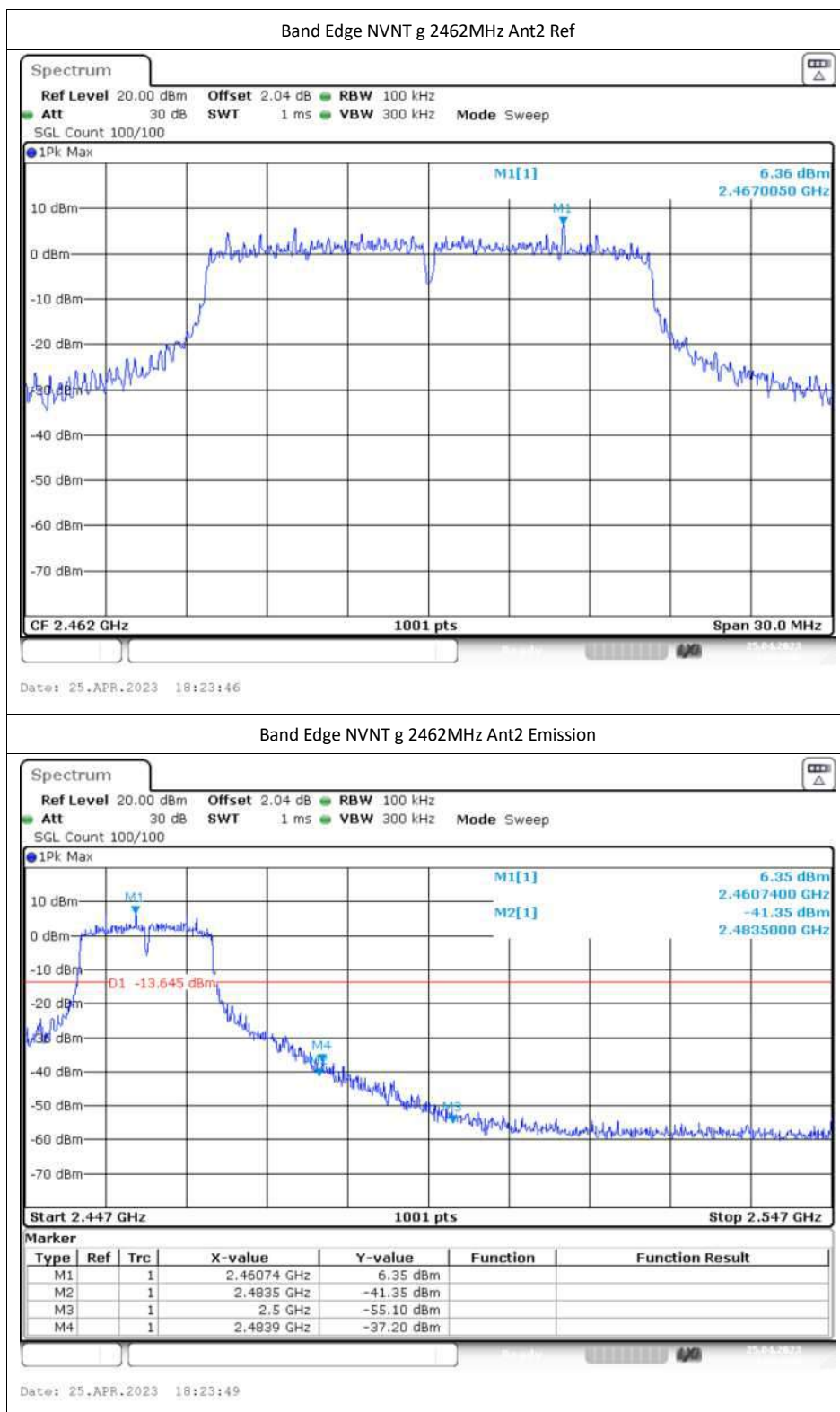


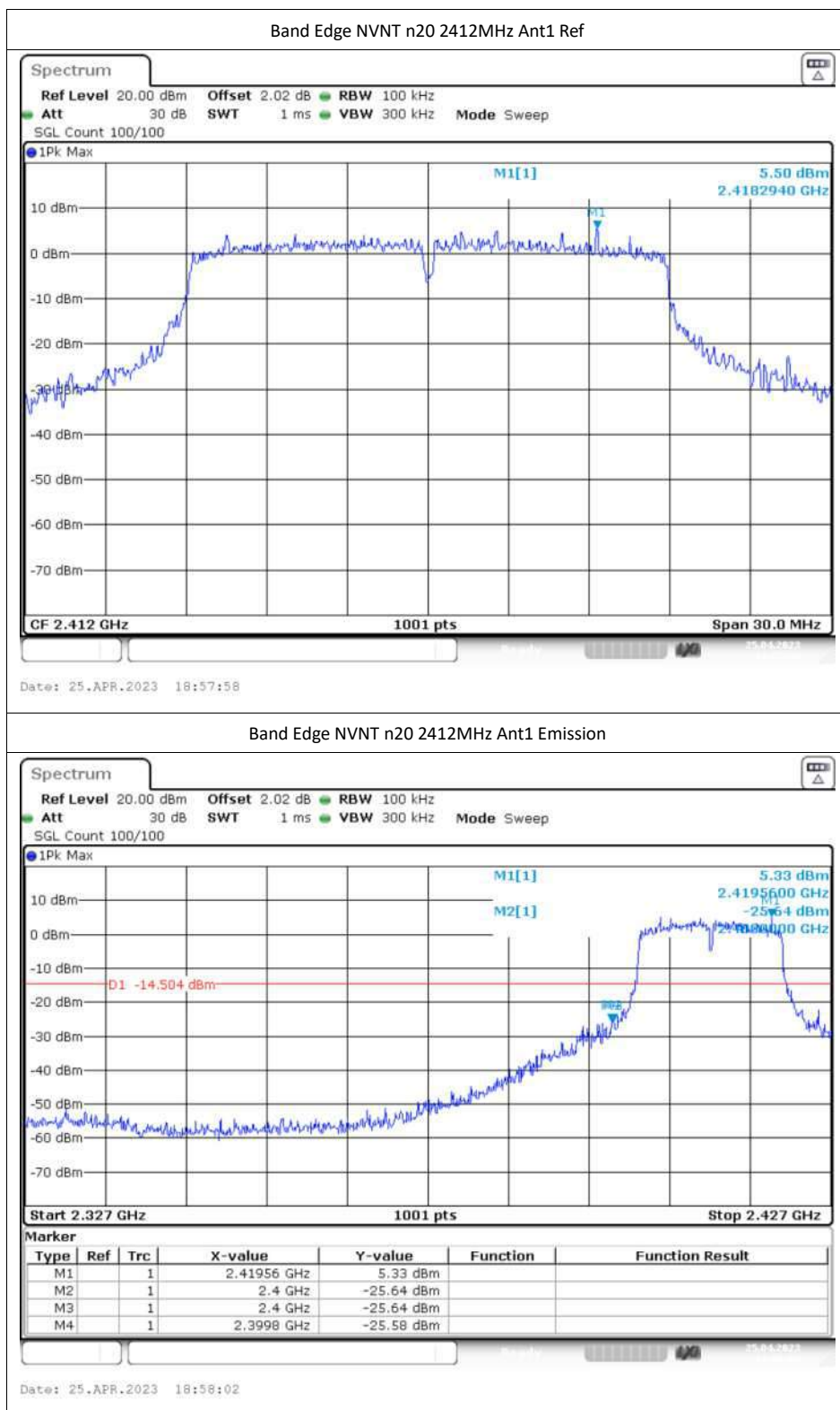


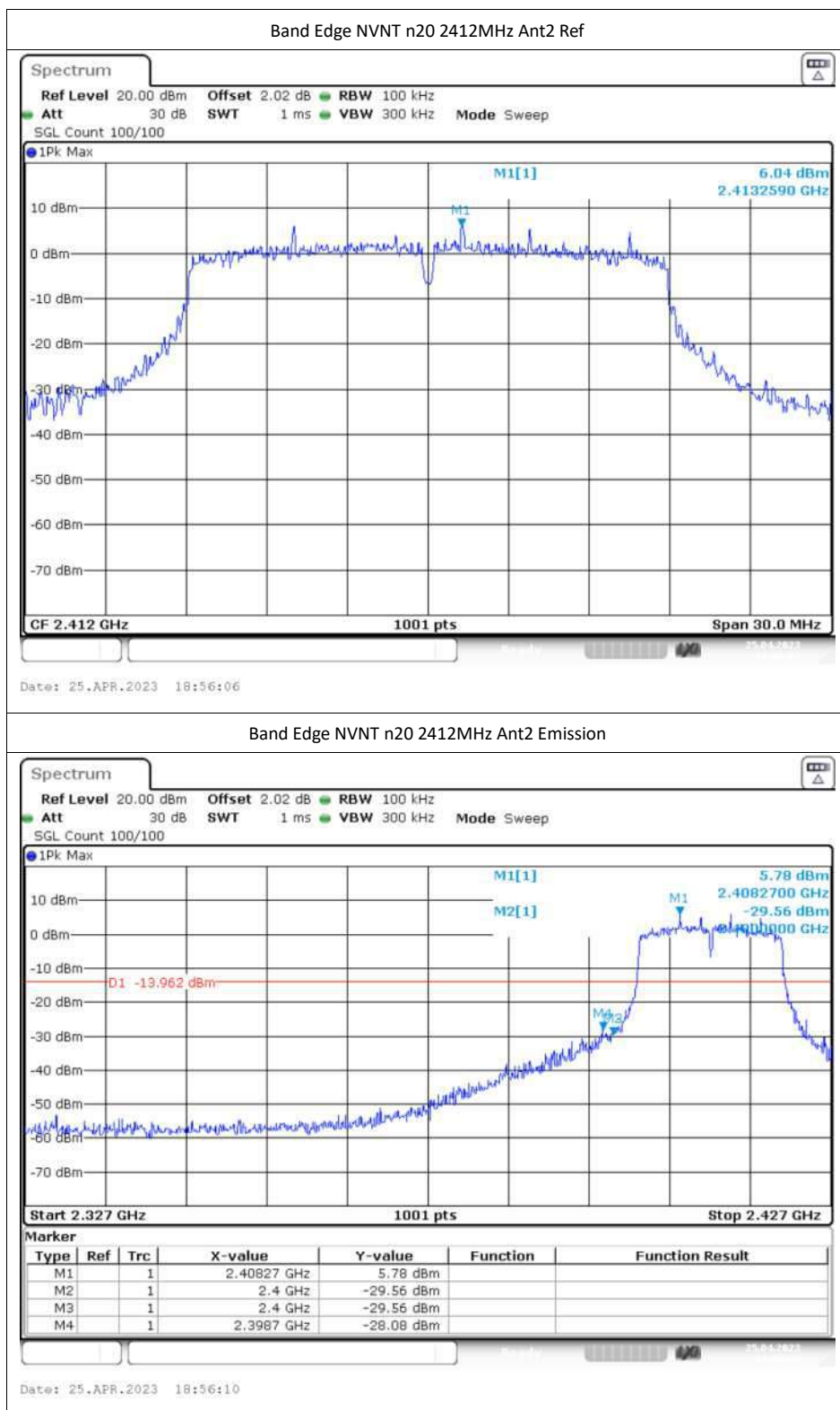


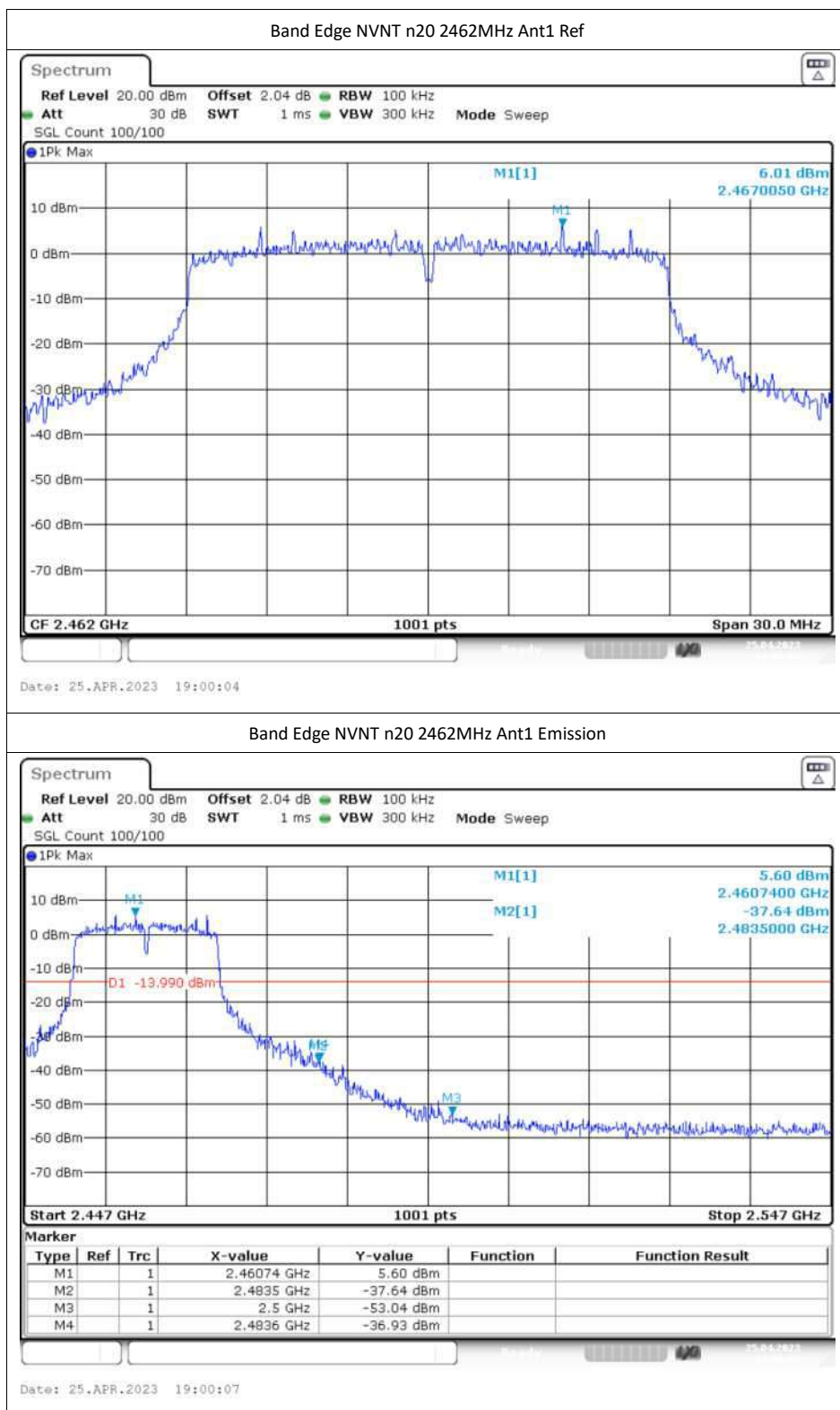


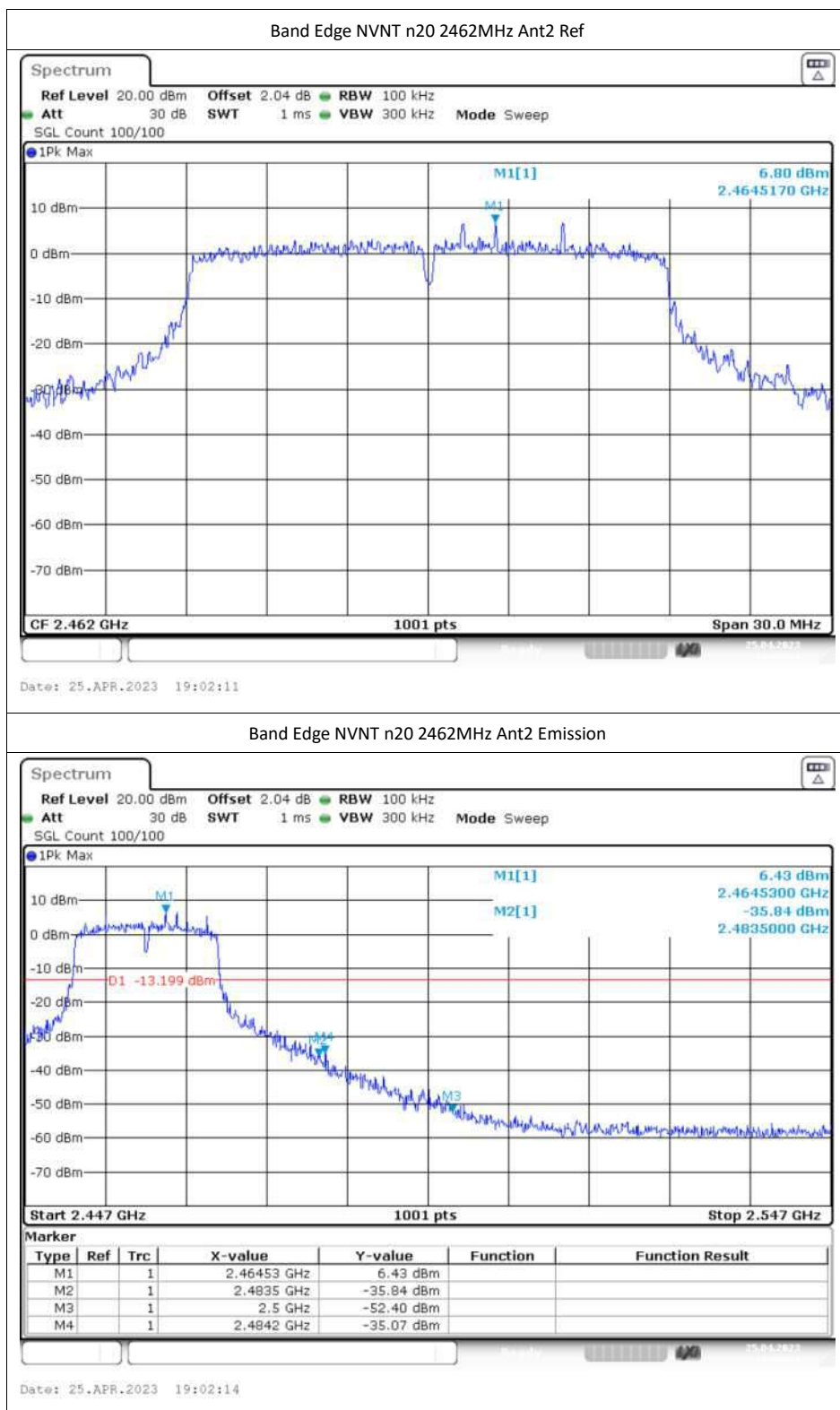


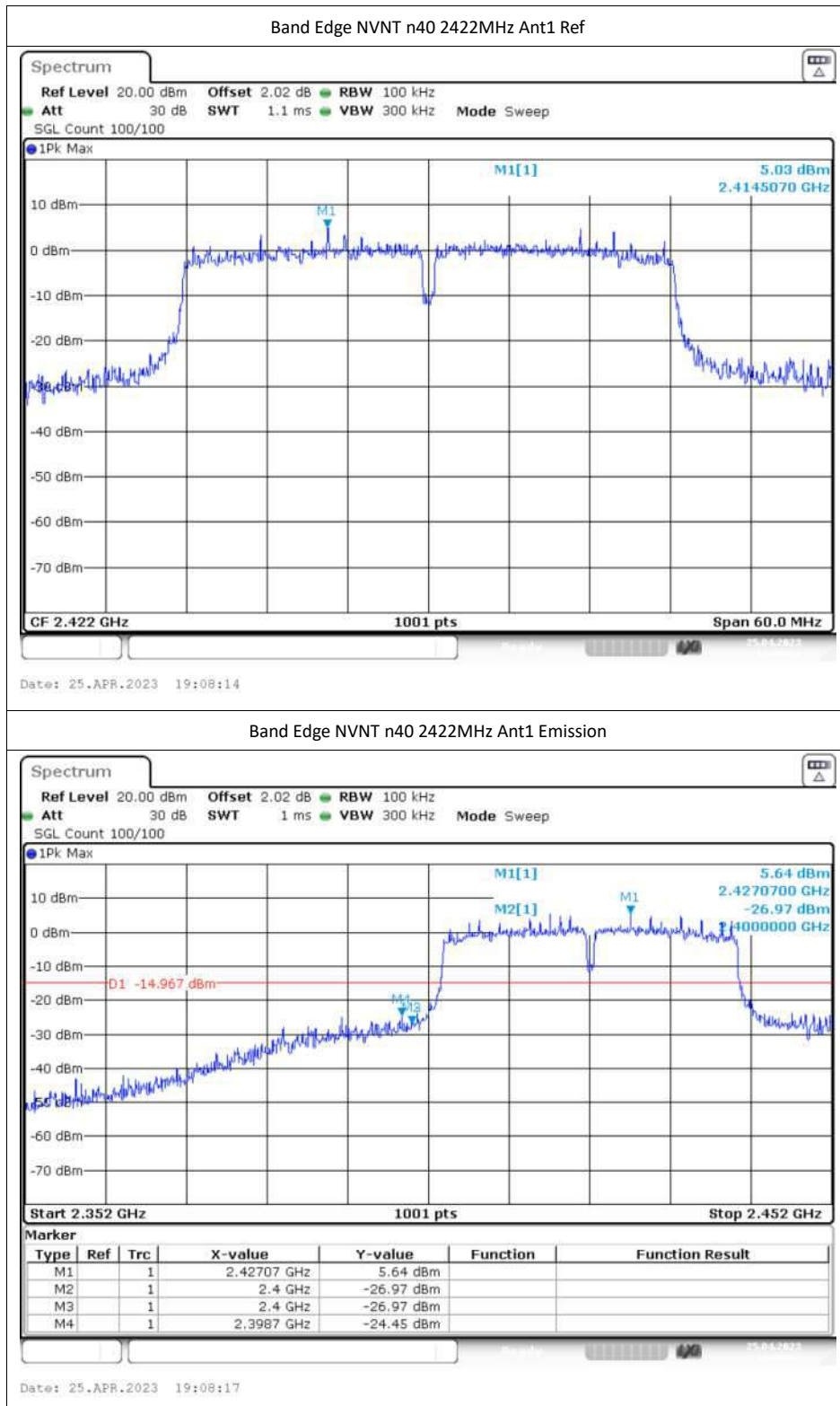


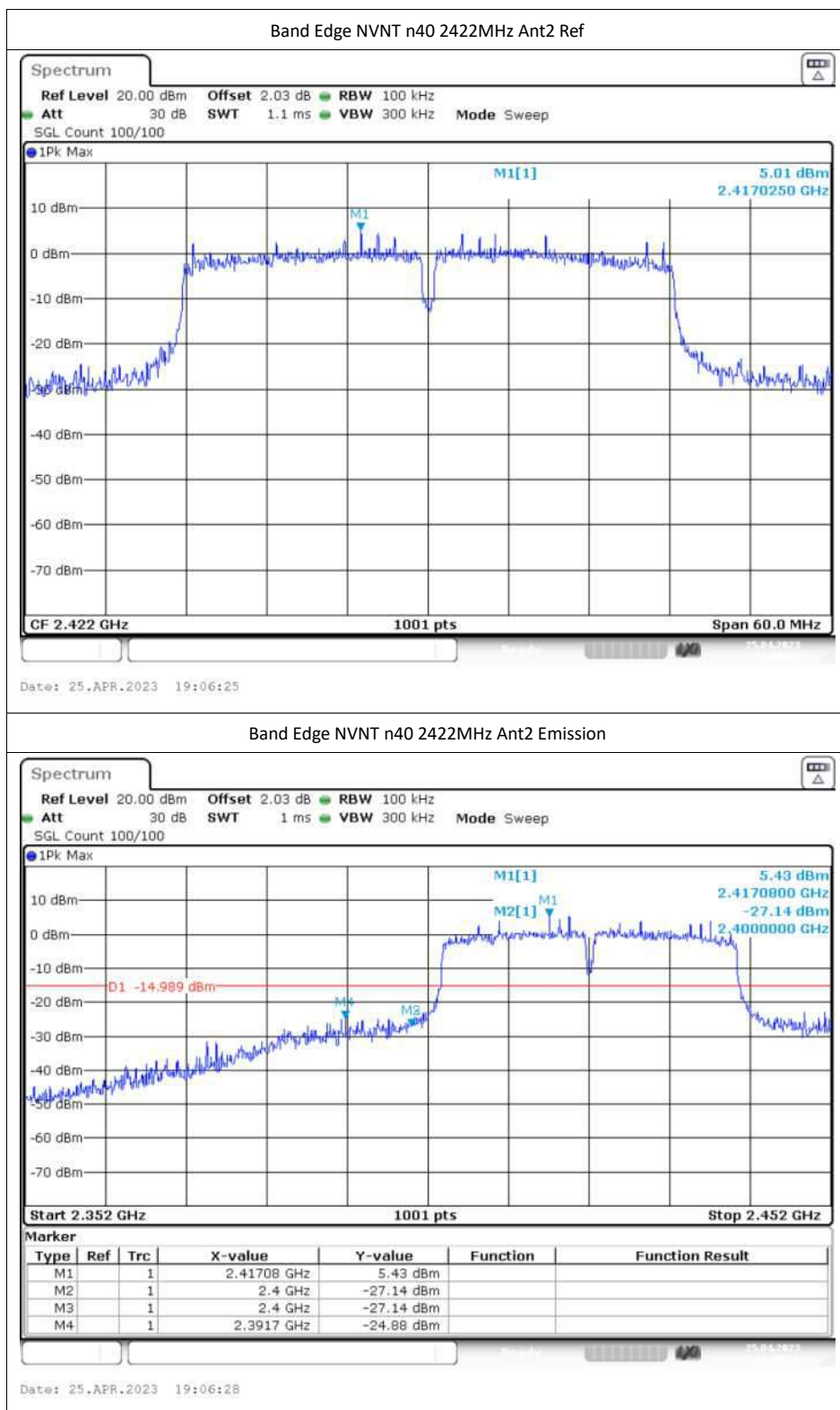


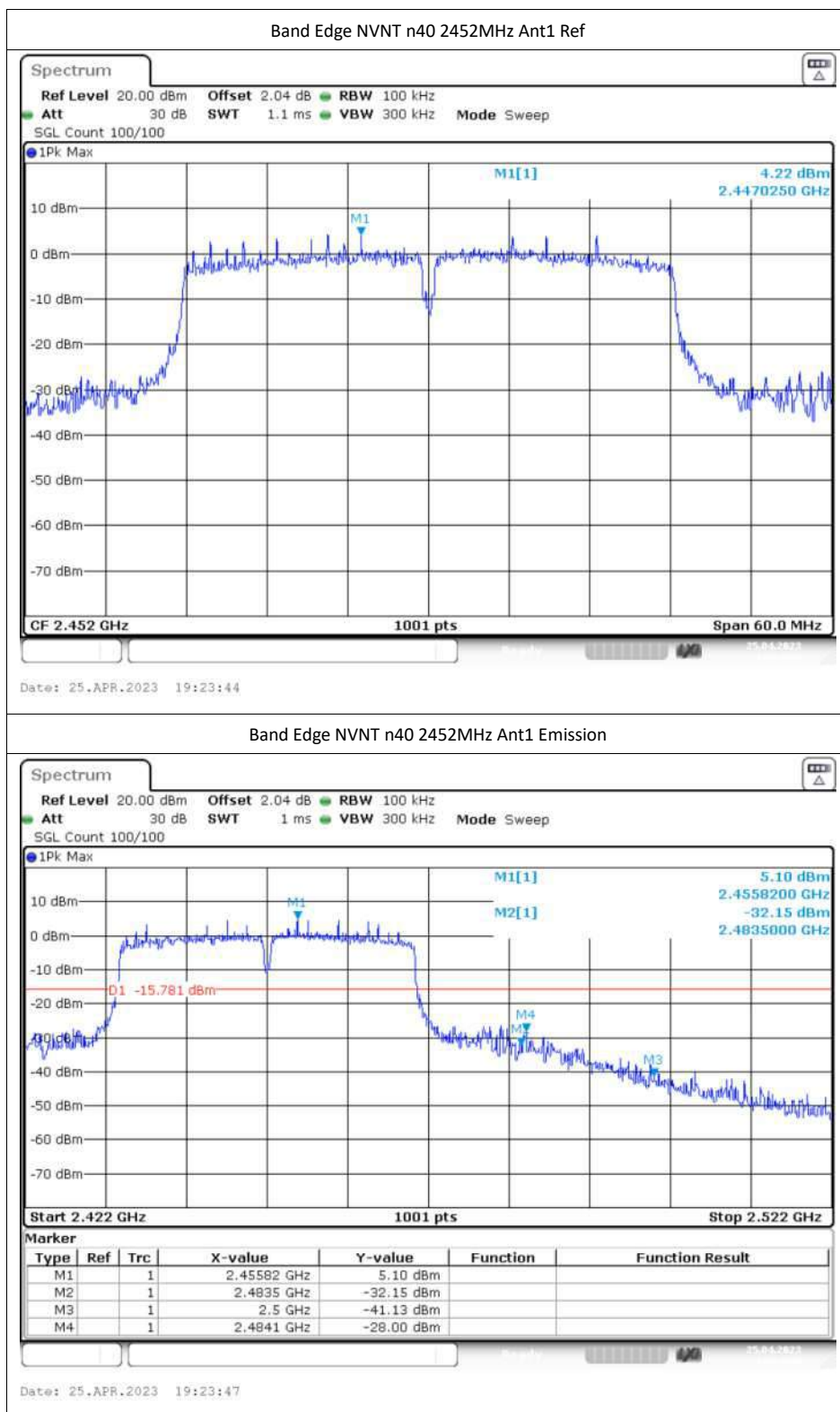


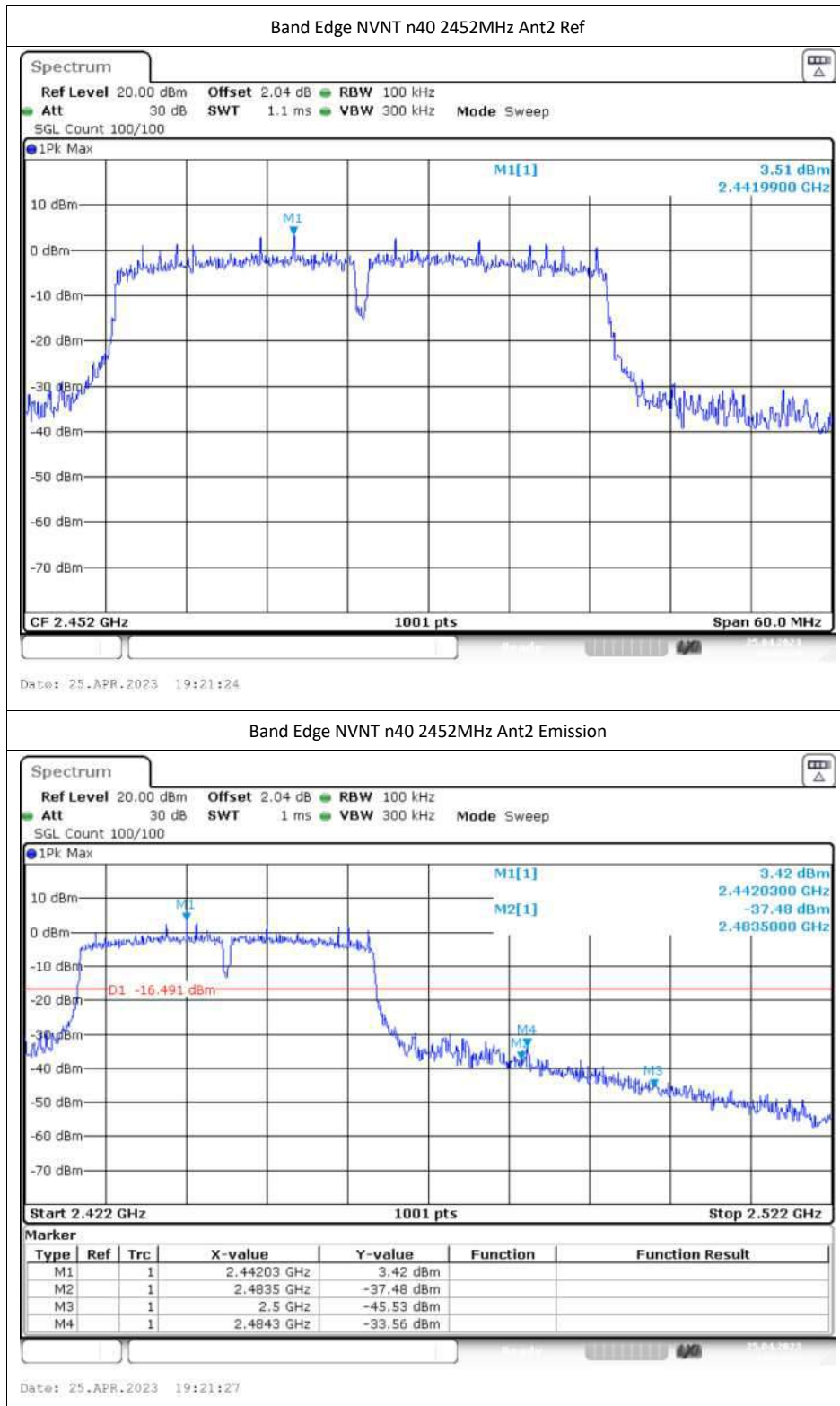






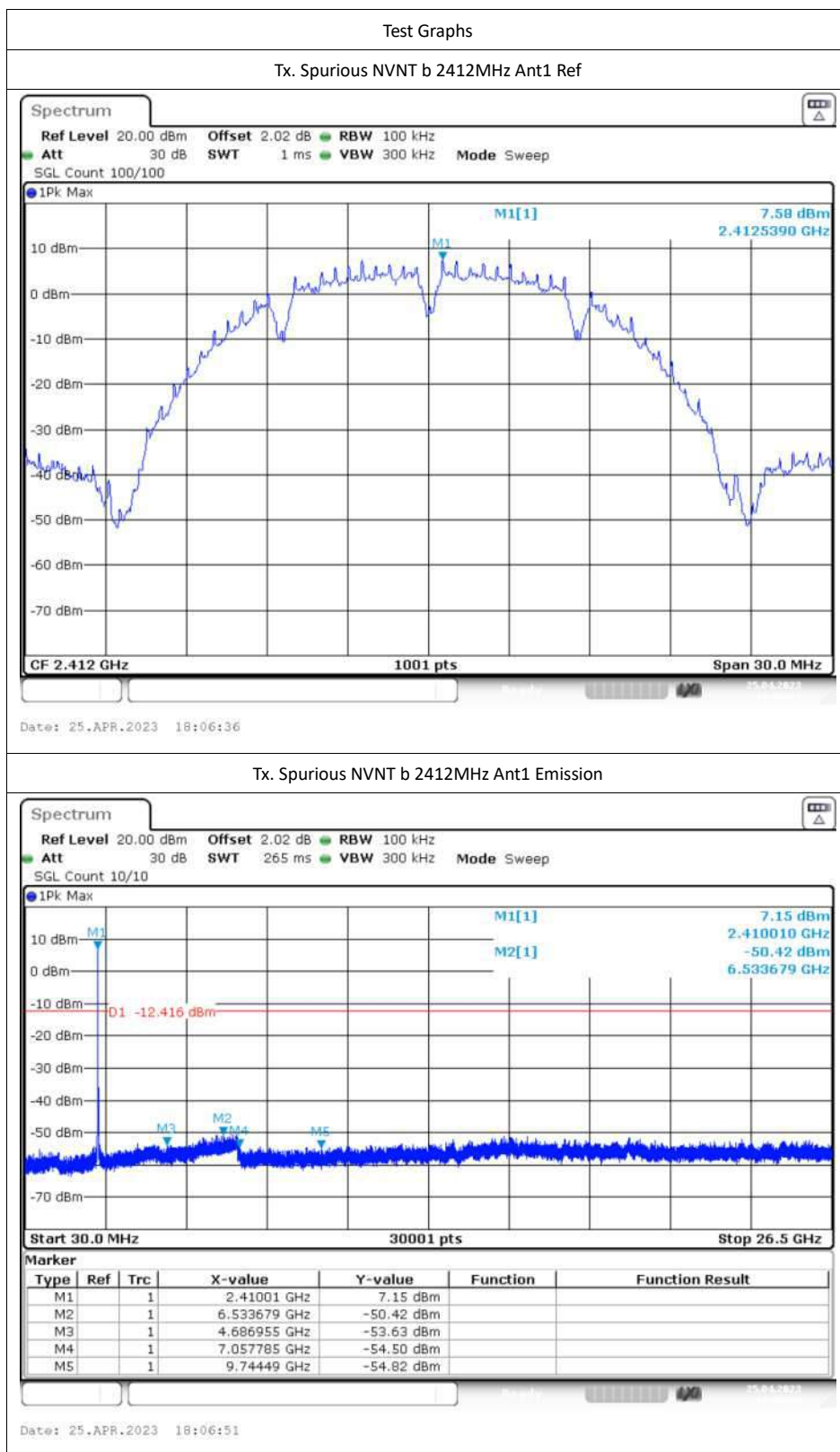


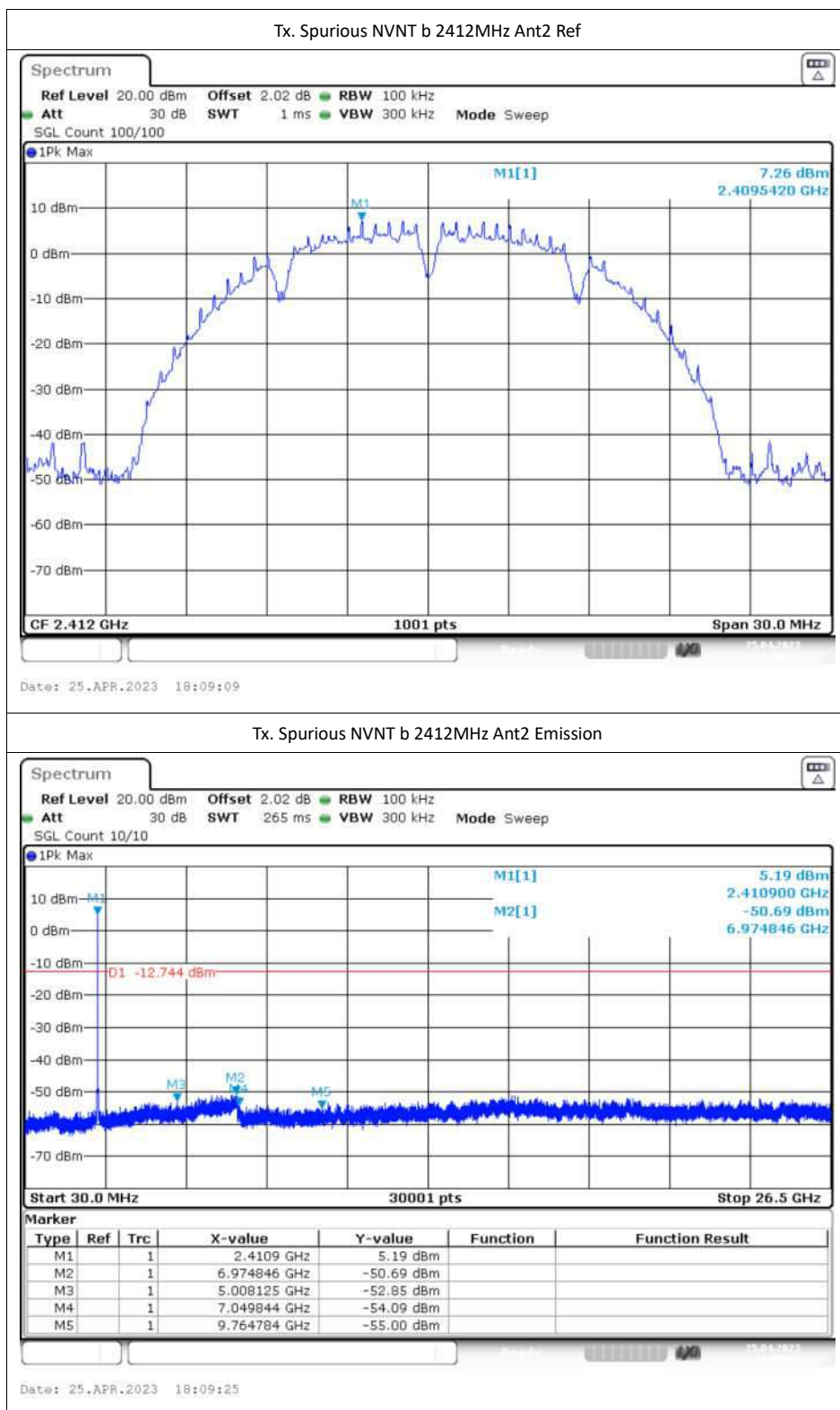




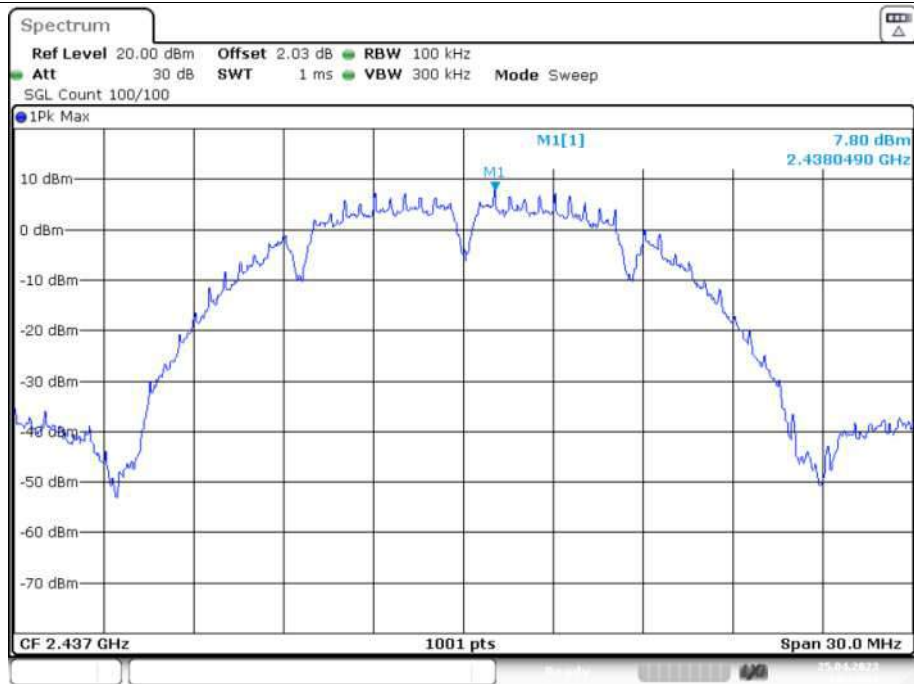
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.99	-20	Pass
NVNT	b	2412	Ant2	-57.94	-20	Pass
NVNT	b	2437	Ant1	-57.81	-20	Pass
NVNT	b	2437	Ant2	-57.49	-20	Pass
NVNT	b	2462	Ant1	-58.47	-20	Pass
NVNT	b	2462	Ant2	-57.84	-20	Pass
NVNT	g	2412	Ant1	-57.06	-20	Pass
NVNT	g	2412	Ant2	-54.94	-20	Pass
NVNT	g	2437	Ant1	-55.91	-20	Pass
NVNT	g	2437	Ant2	-55.95	-20	Pass
NVNT	g	2462	Ant1	-58.04	-20	Pass
NVNT	g	2462	Ant2	-56.13	-20	Pass
NVNT	n20	2412	Ant1	-56.46	-20	Pass
NVNT	n20	2412	Ant2	-55.05	-20	Pass
NVNT	n20	2437	Ant1	-57.28	-20	Pass
NVNT	n20	2437	Ant2	-57.09	-20	Pass
NVNT	n20	2462	Ant1	-57.1	-20	Pass
NVNT	n20	2462	Ant2	-56.43	-20	Pass
NVNT	n40	2422	Ant1	-53.05	-20	Pass
NVNT	n40	2422	Ant2	-54.57	-20	Pass
NVNT	n40	2437	Ant1	-53.8	-20	Pass
NVNT	n40	2437	Ant2	-51.63	-20	Pass
NVNT	n40	2452	Ant1	-46.95	-20	Pass
NVNT	n40	2452	Ant2	-54.96	-20	Pass



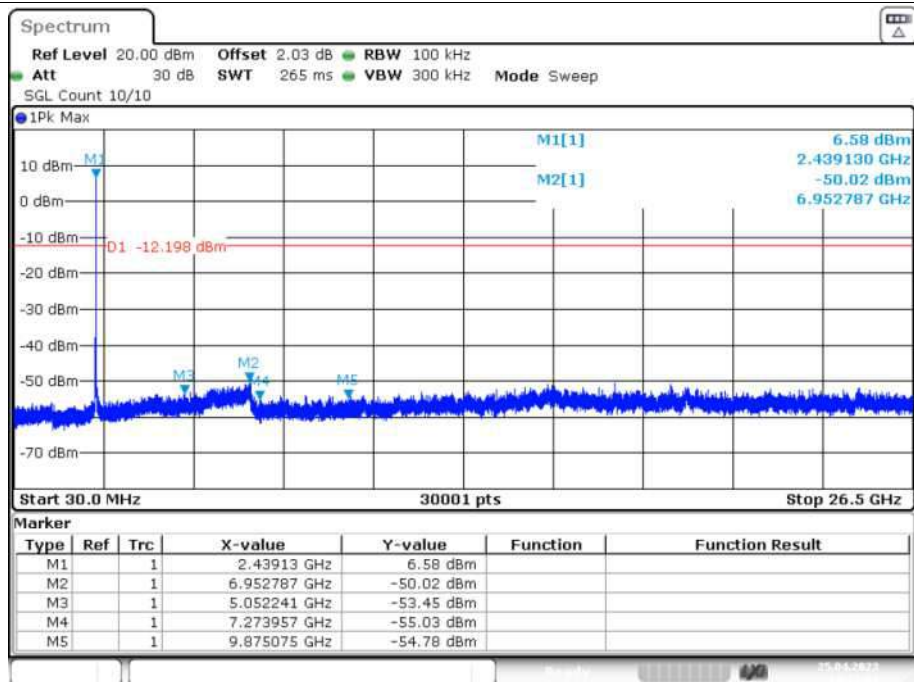


Tx. Spurious NVNT b 2437MHz Ant1 Ref

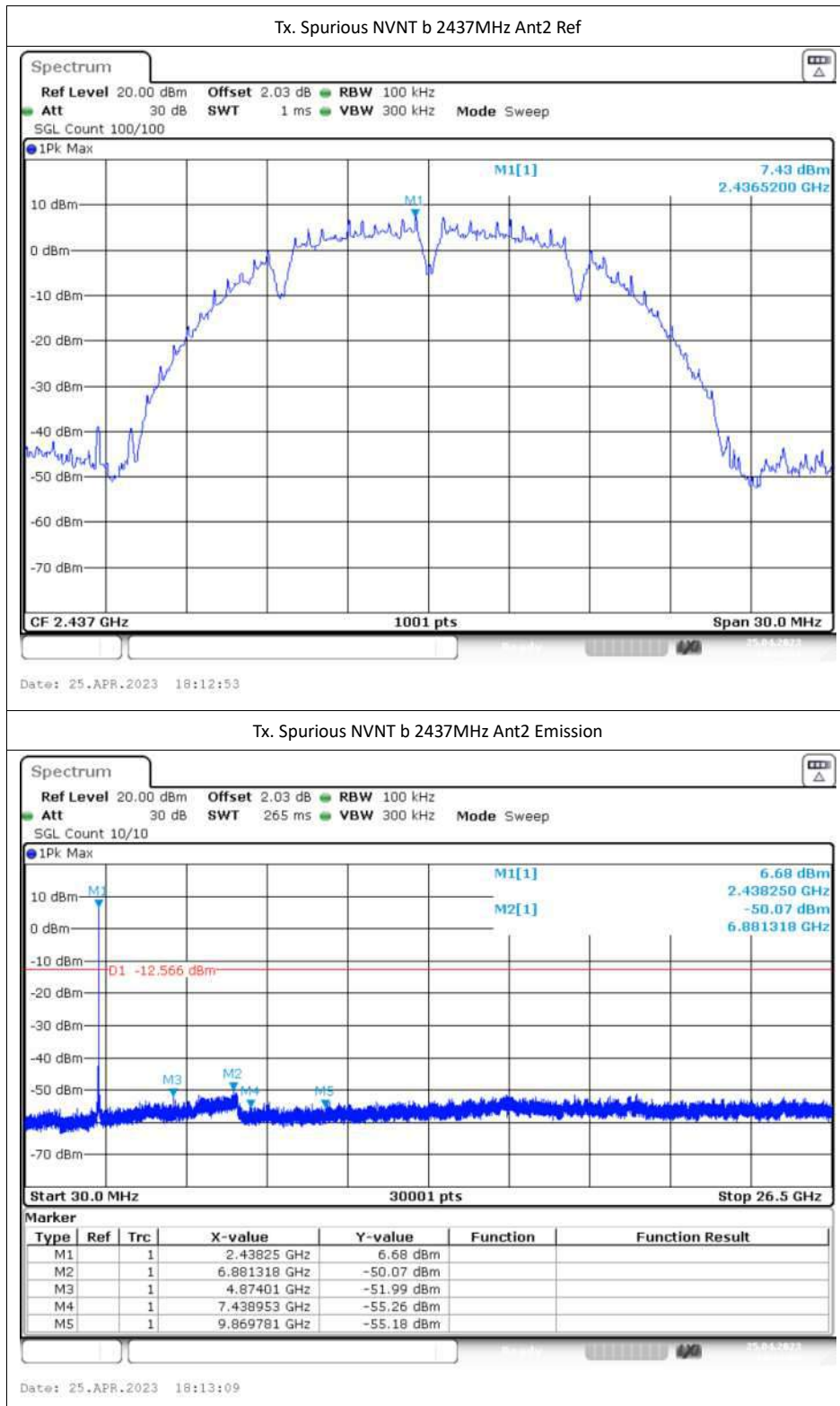


Date: 25.APR.2023 18:14:47

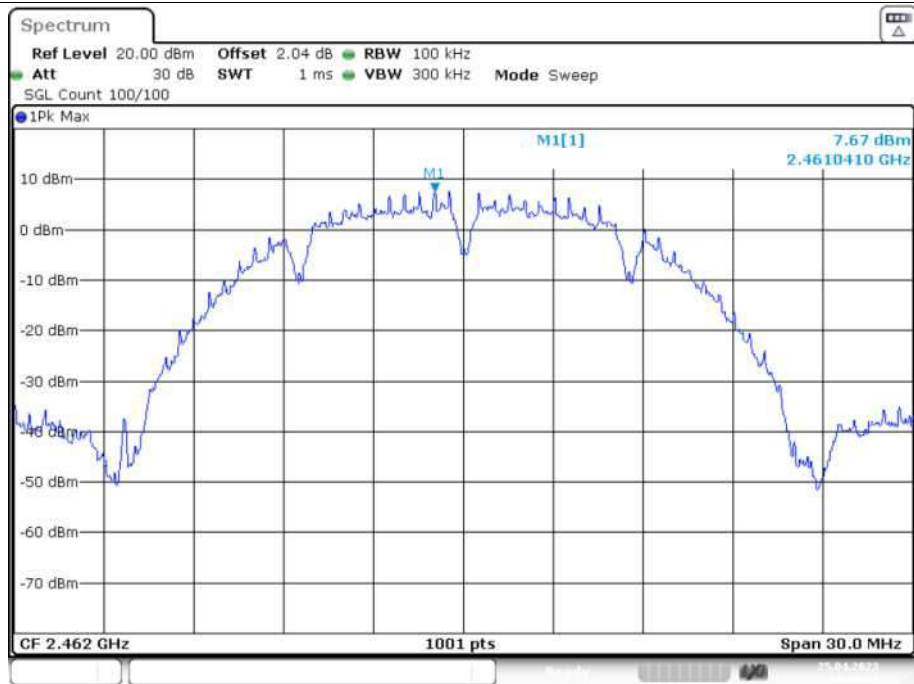
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Date: 25.APR.2023 18:15:02

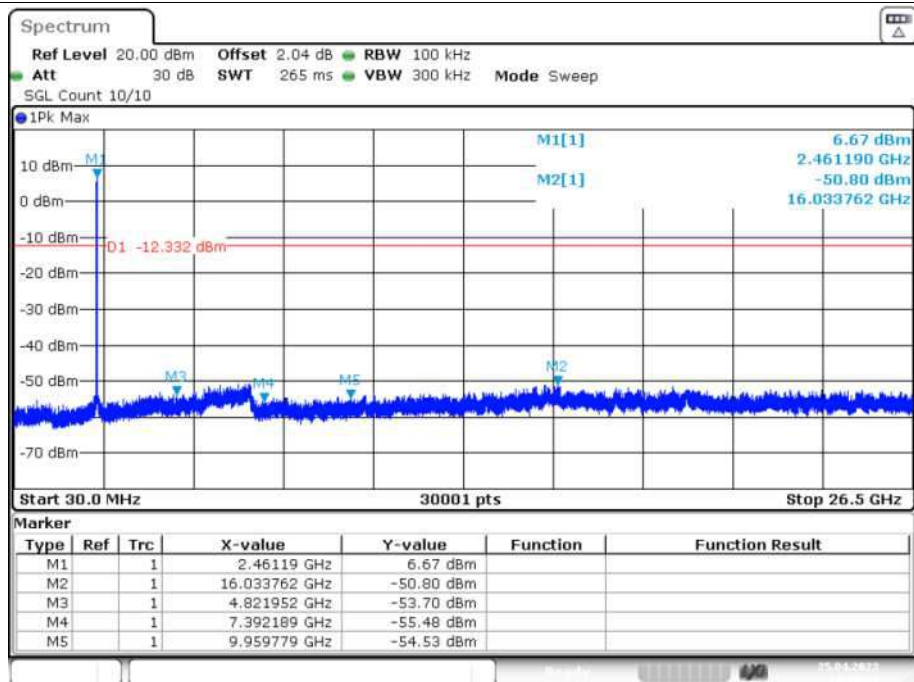


Tx. Spurious NVNT b 2462MHz Ant1 Ref

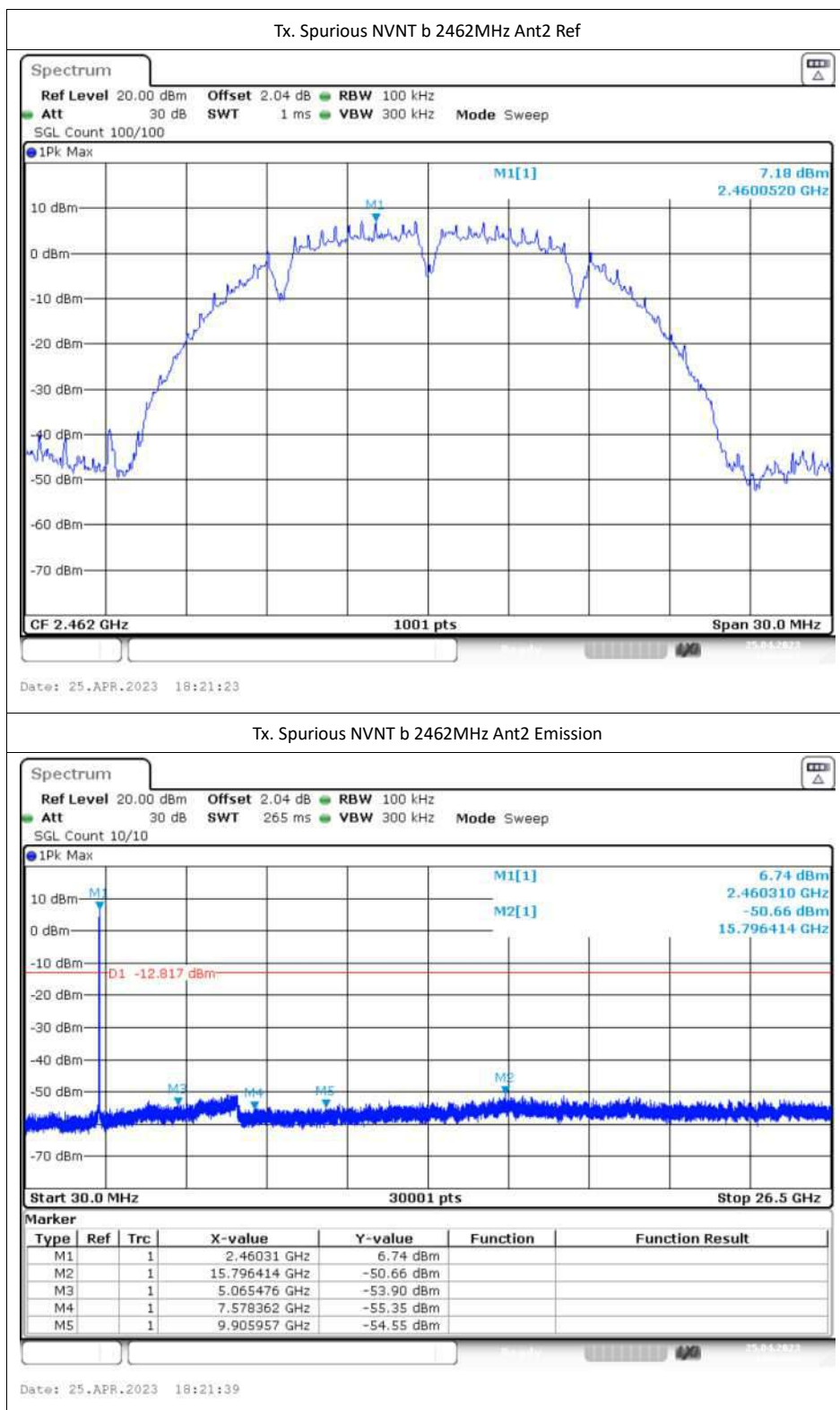


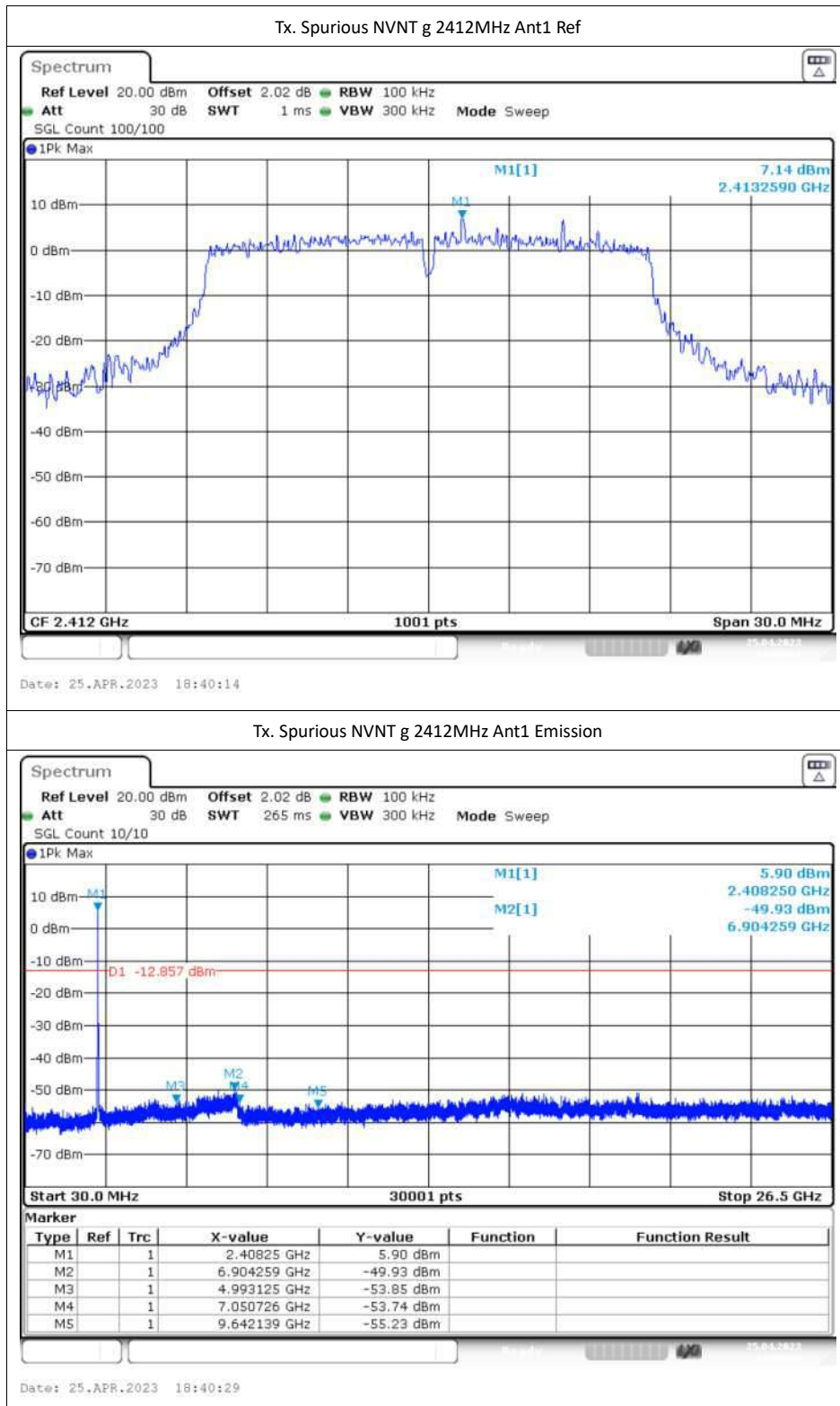
Date: 25.APR.2023 18:18:37

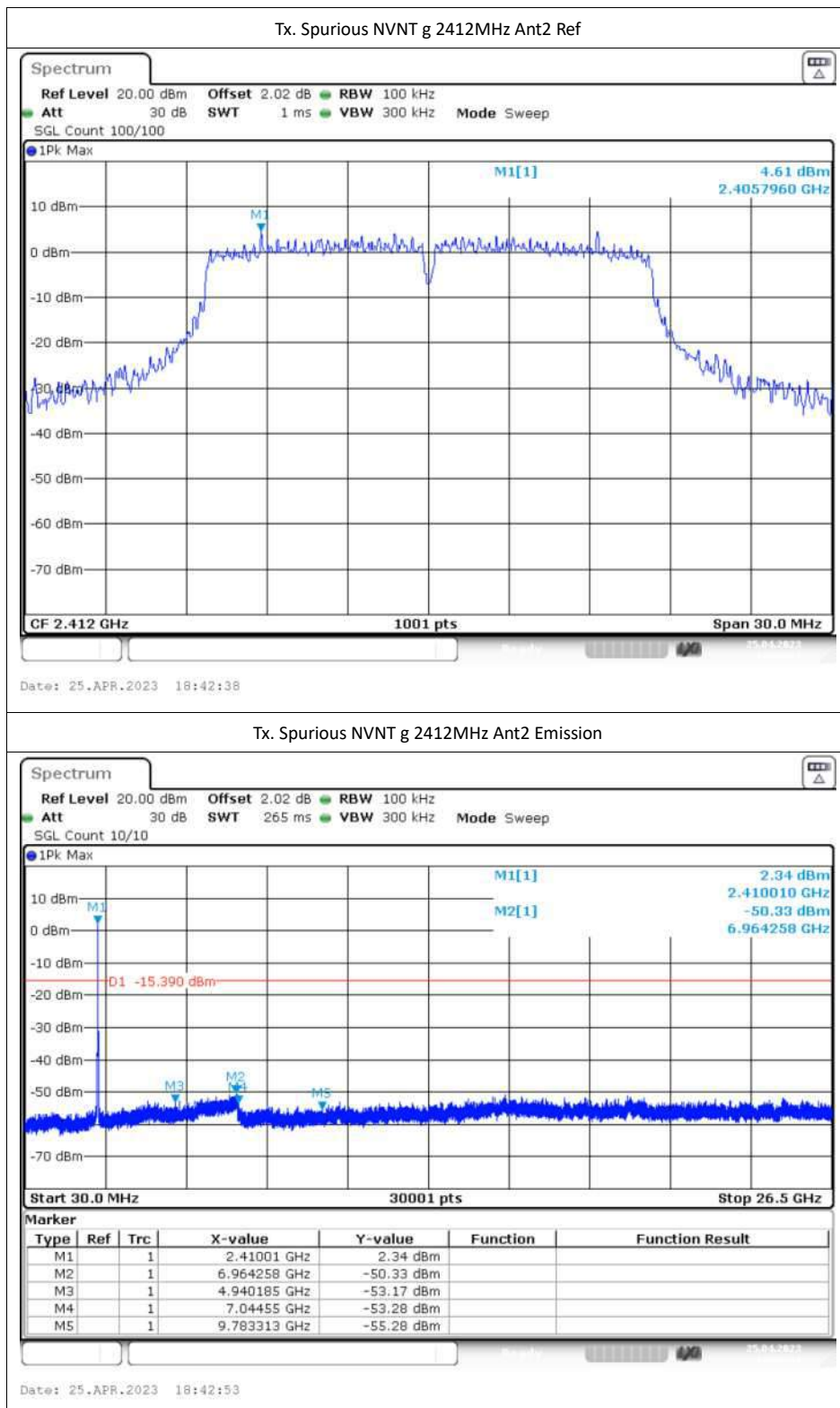
Tx. Spurious NVNT b 2462MHz Ant1 Emission

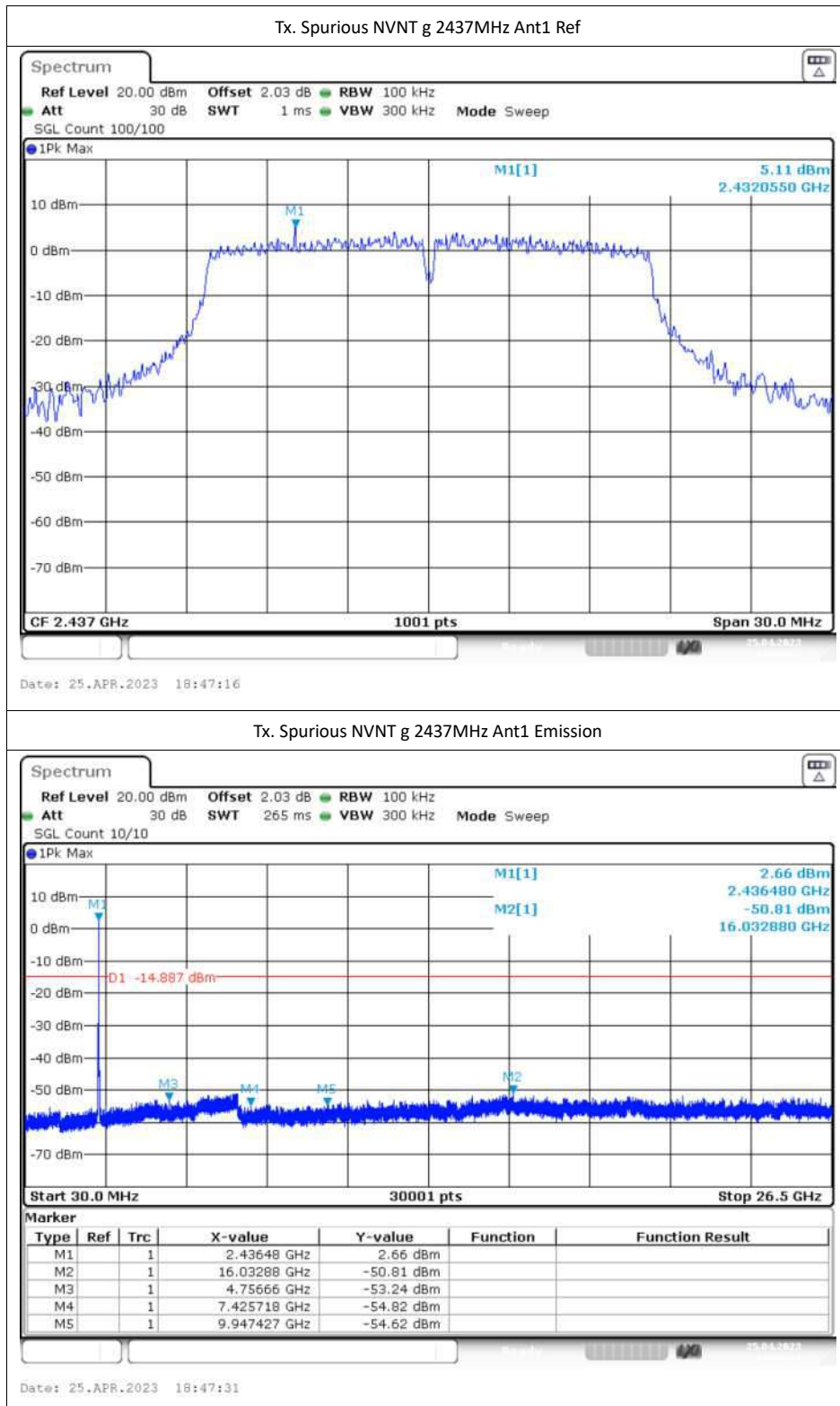


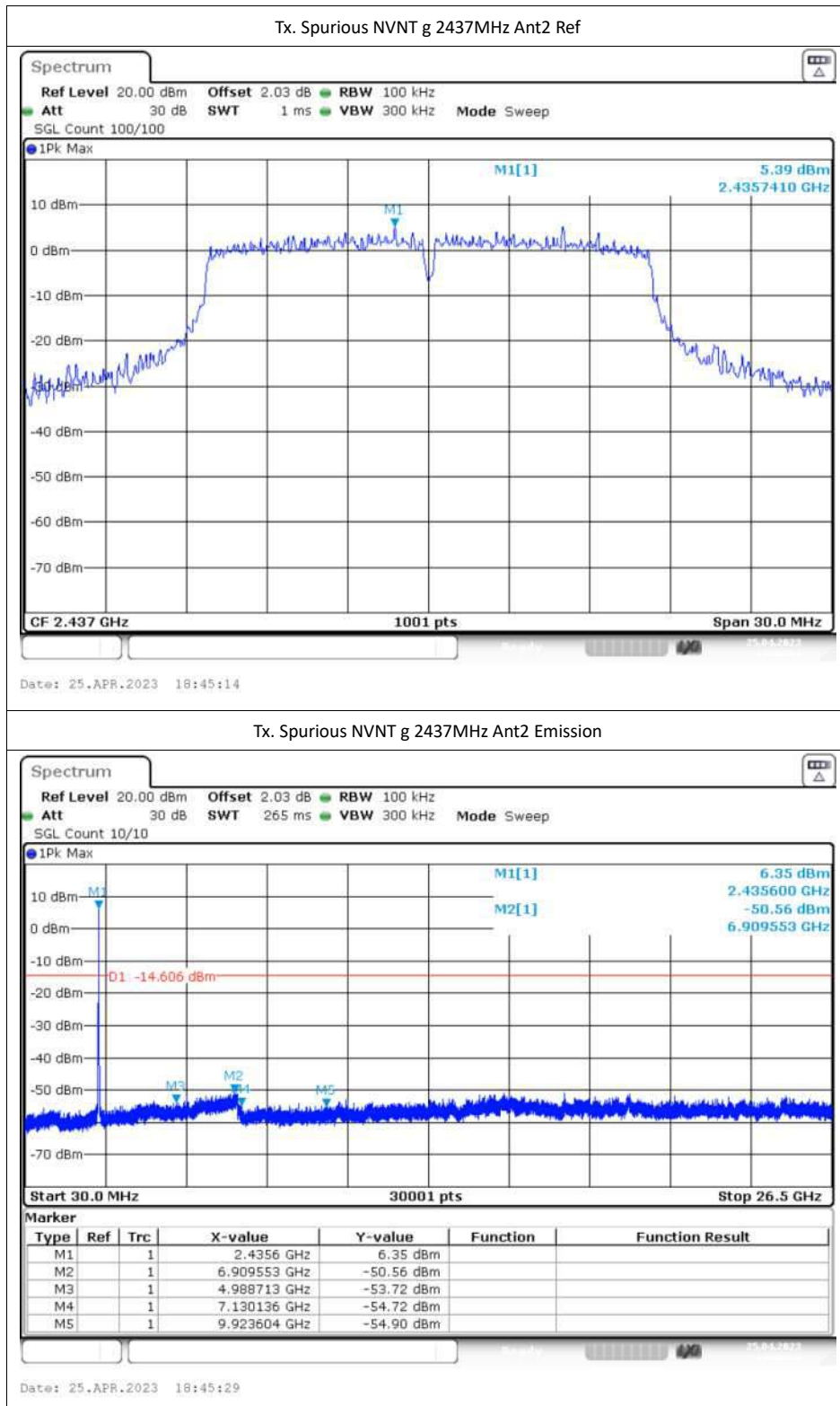
Date: 25.APR.2023 18:18:53

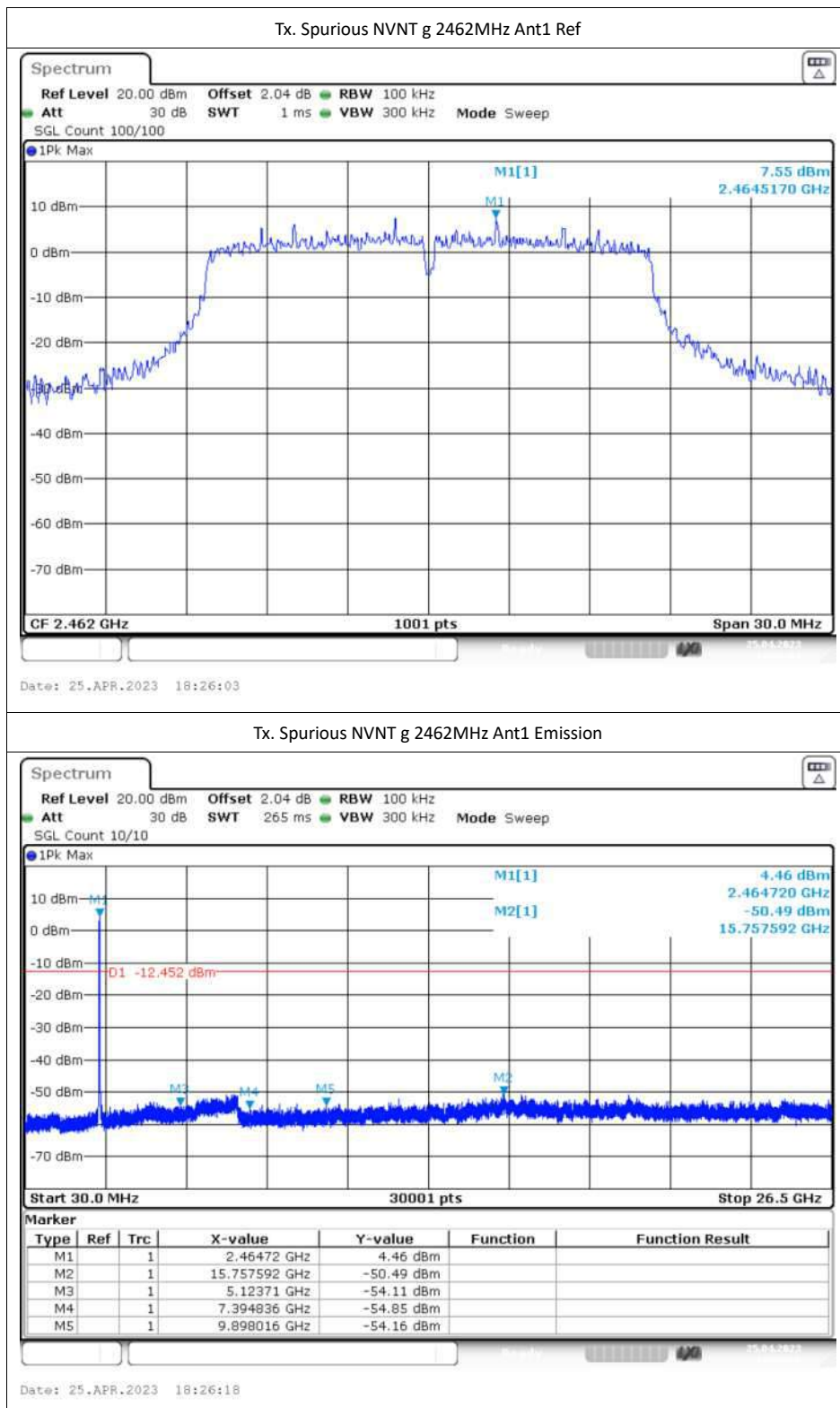




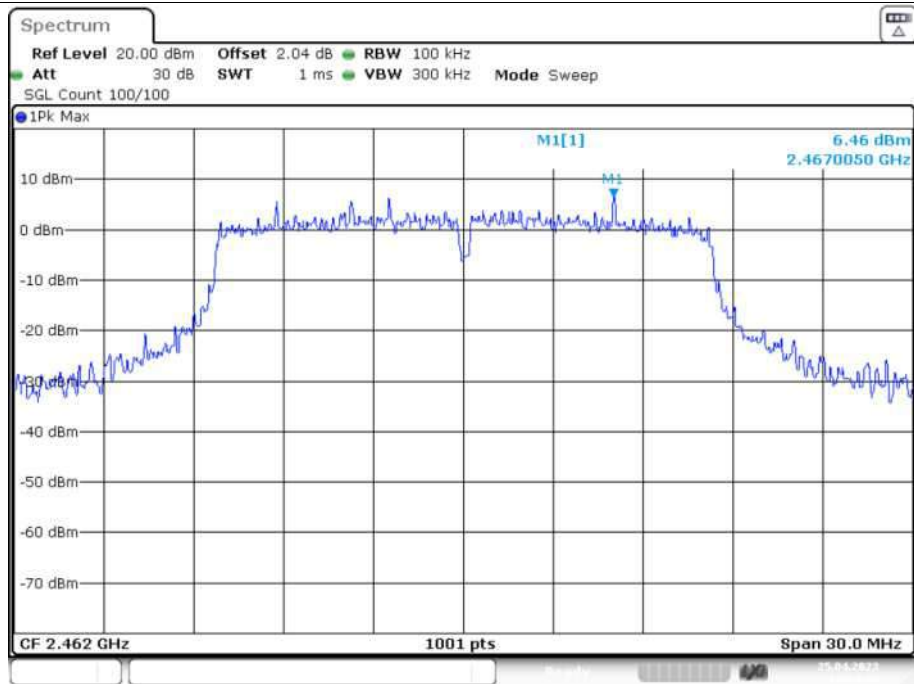






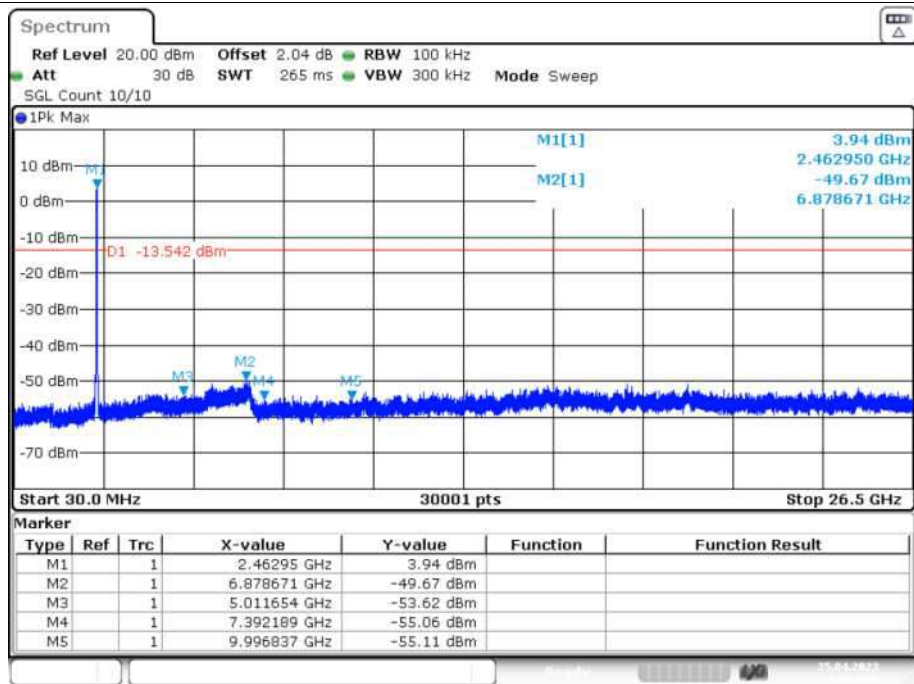


Tx. Spurious NVNT g 2462MHz Ant2 Ref



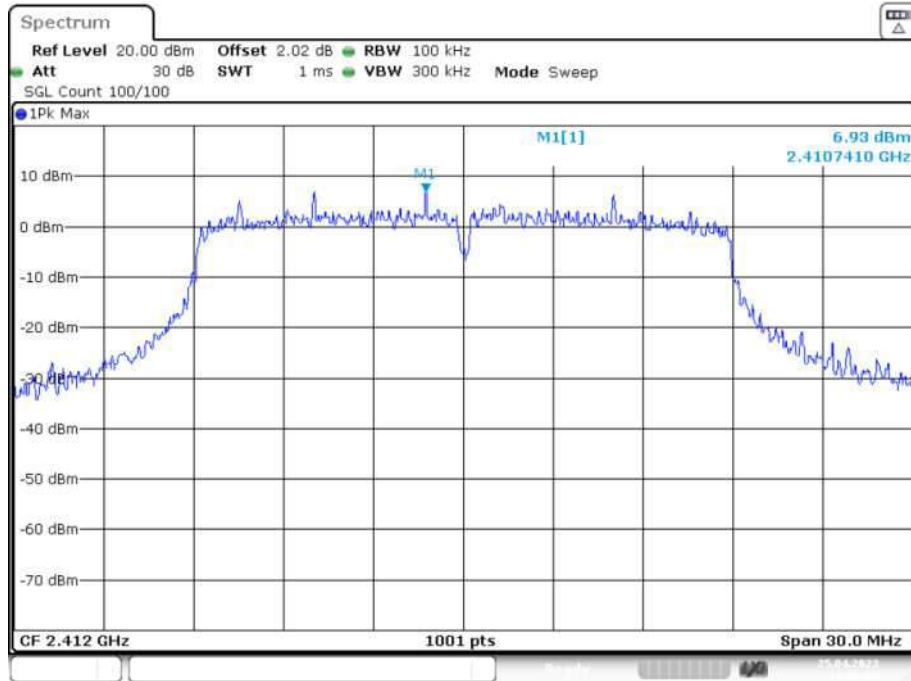
Date: 25.APR.2023 18:24:10

Tx. Spurious NVNT g 2462MHz Ant2 Emission



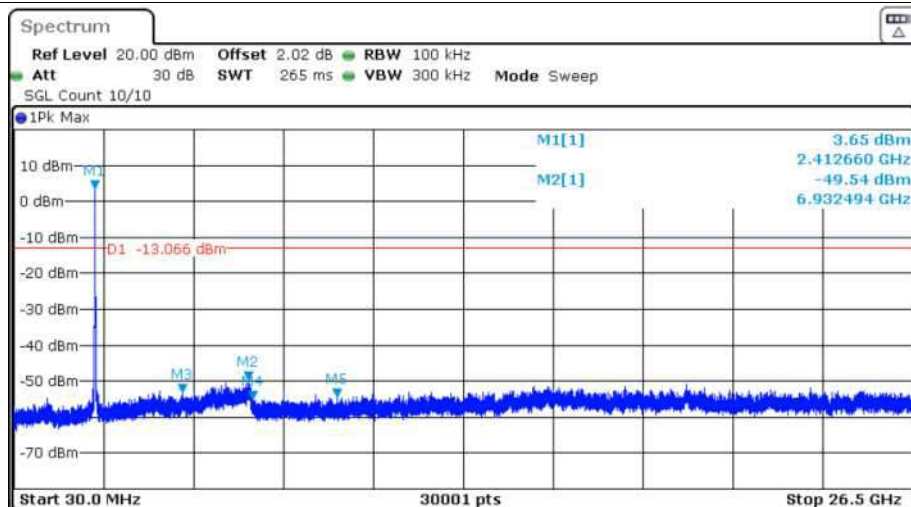
Date: 25.APR.2023 18:24:26

Tx. Spurious NVNT n20 2412MHz Ant1 Ref



Date: 25.APR.2023 18:58:09

Tx. Spurious NVNT n20 2412MHz Ant1 Emission

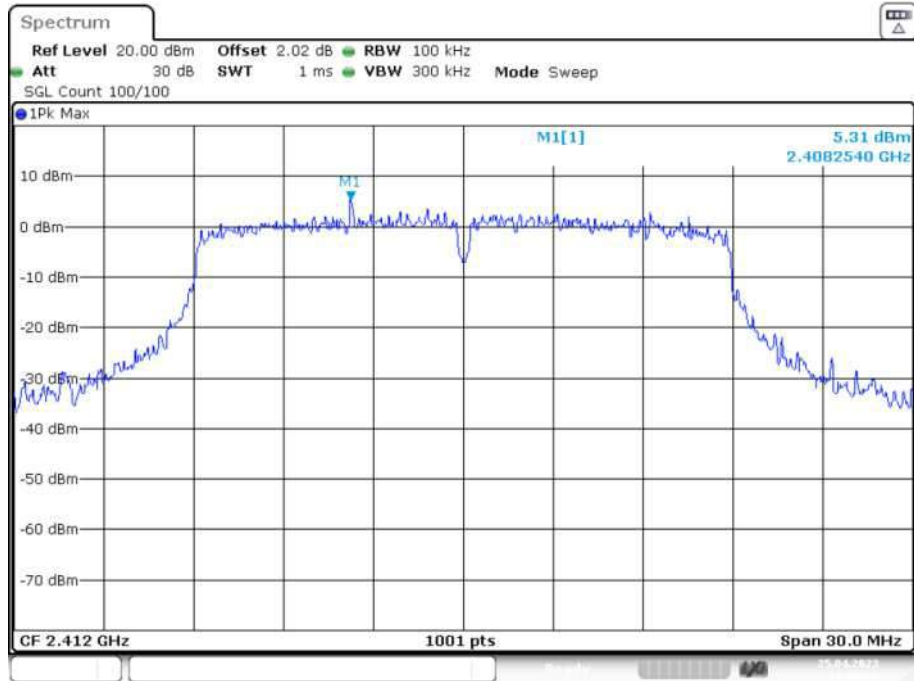


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.41266 GHz	3.65 dBm		
M2	1		6.932494 GHz	-49.54 dBm		
M3	1		4.997537 GHz	-53.09 dBm		
M4	1		7.053373 GHz	-54.95 dBm		
M5	1		9.553906 GHz	-54.25 dBm		

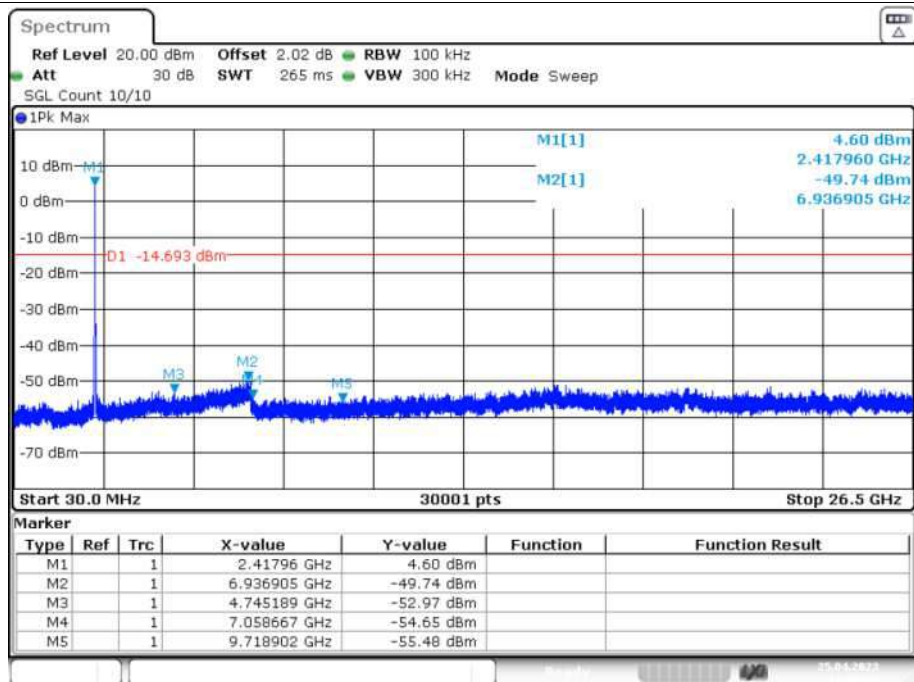
Date: 25.APR.2023 18:58:24

Tx. Spurious NVNT n20 2412MHz Ant2 Ref

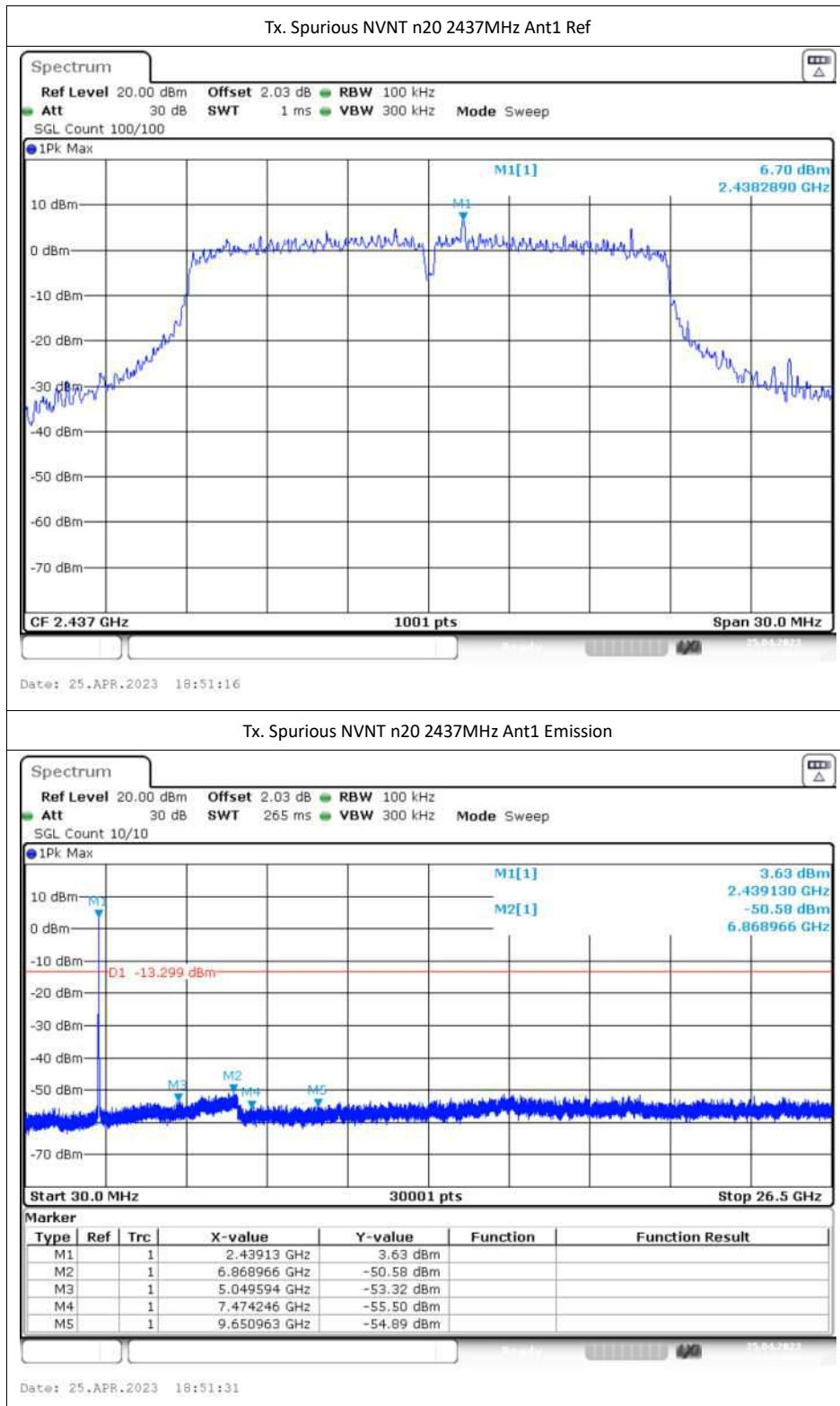


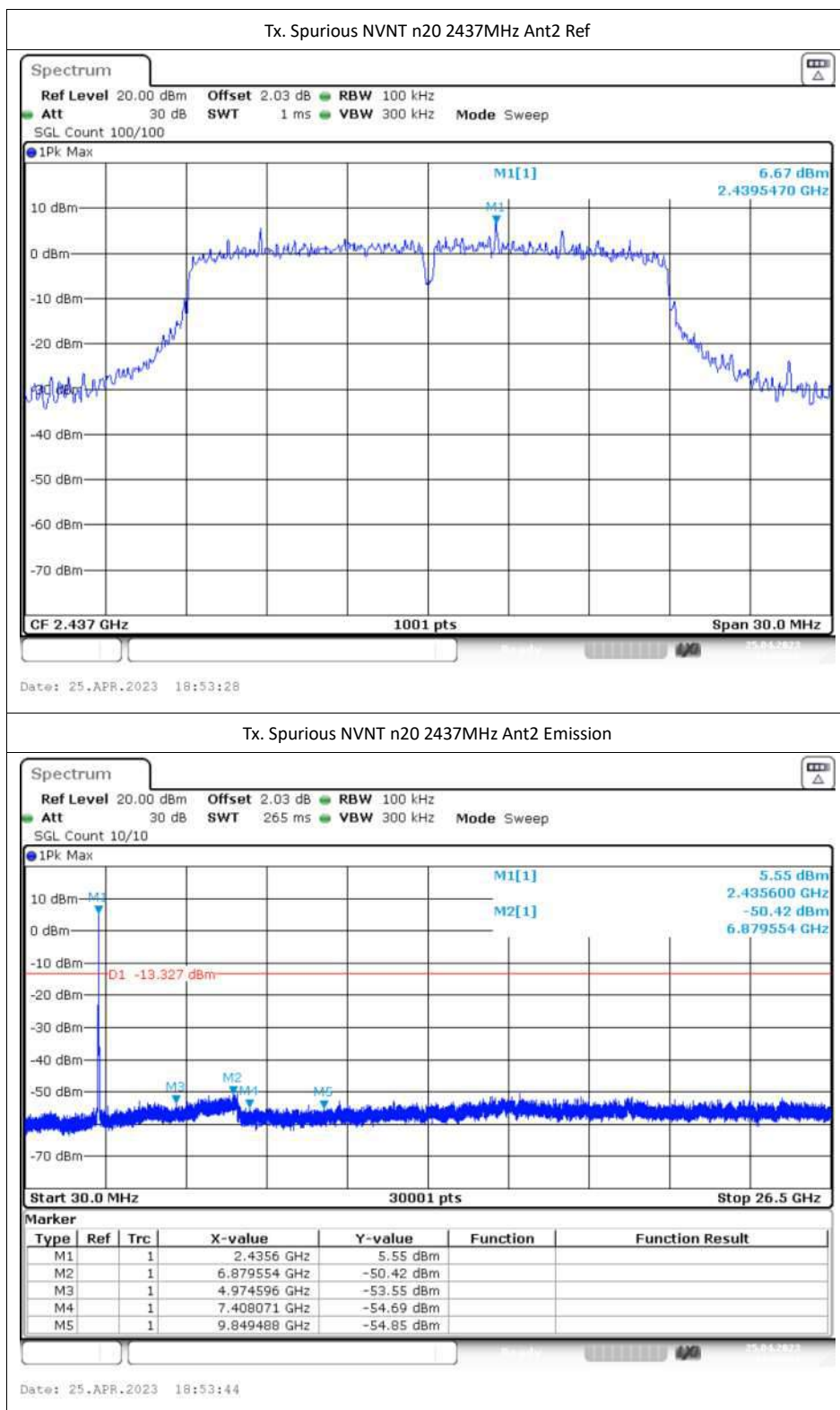
Date: 25.APR.2023 18:56:16

Tx. Spurious NVNT n20 2412MHz Ant2 Emission

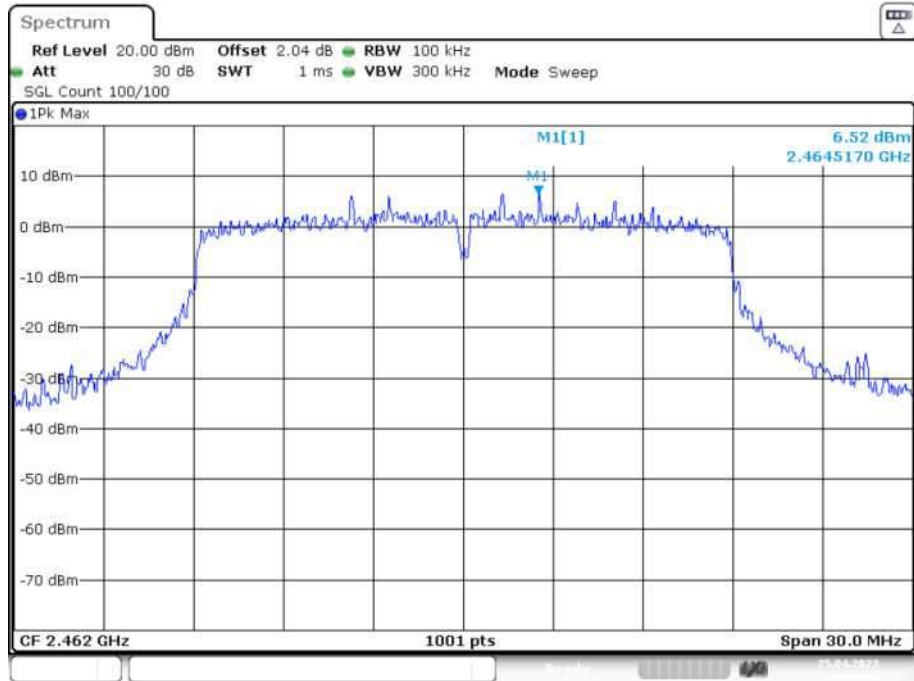


Date: 25.APR.2023 18:56:32



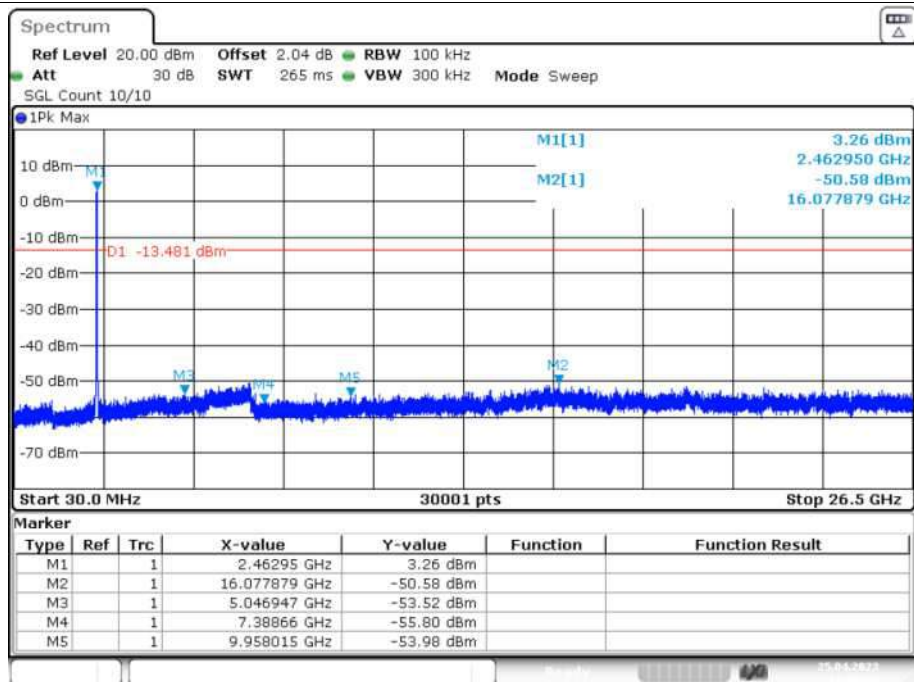


Tx. Spurious NVNT n20 2462MHz Ant1 Ref



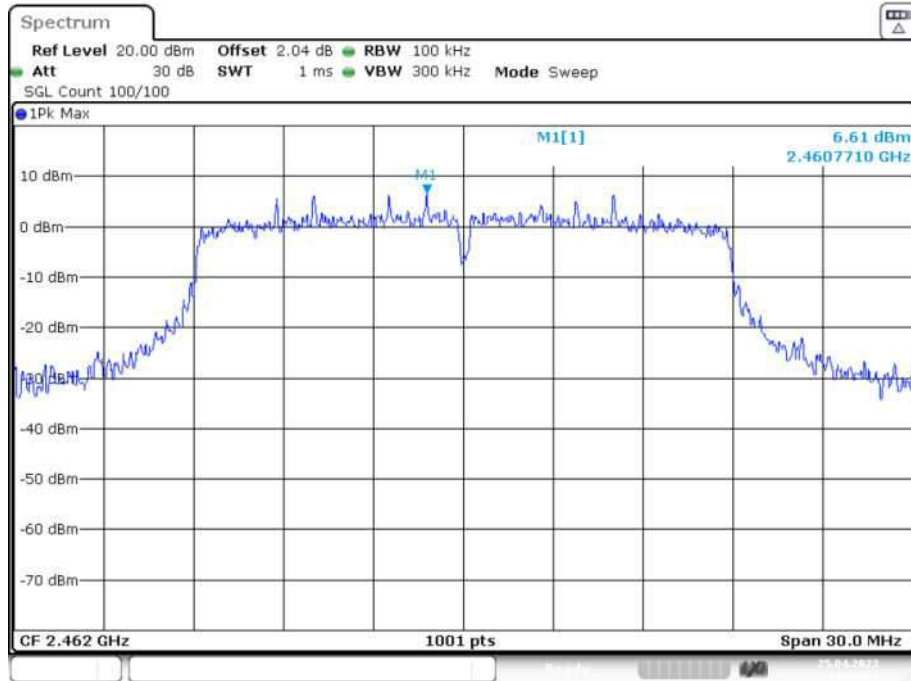
Date: 25.APR.2023 19:00:15

Tx. Spurious NVNT n20 2462MHz Ant1 Emission



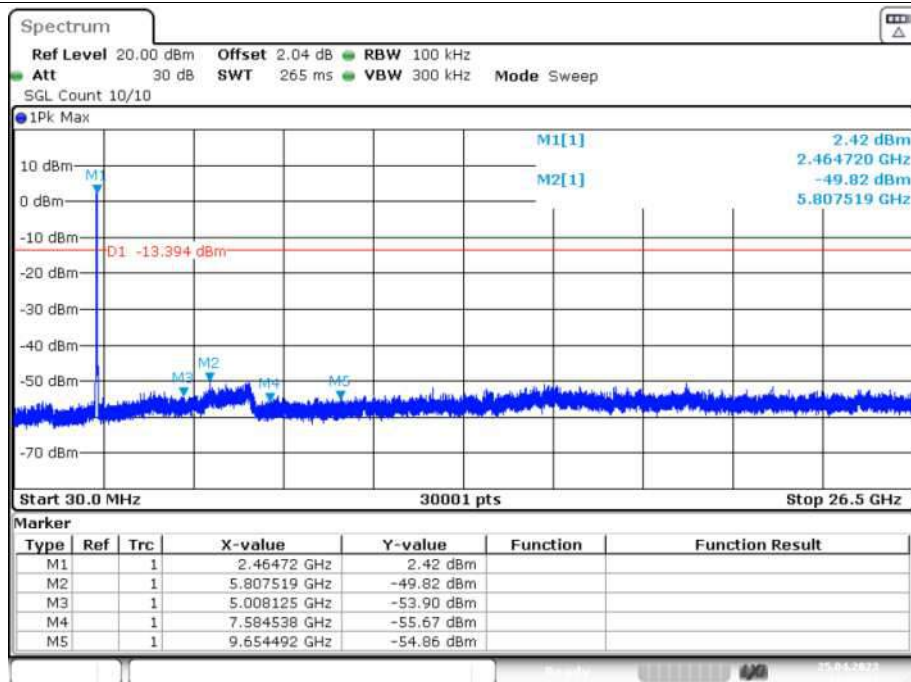
Date: 25.APR.2023 19:00:30

Tx. Spurious NVNT n20 2462MHz Ant2 Ref



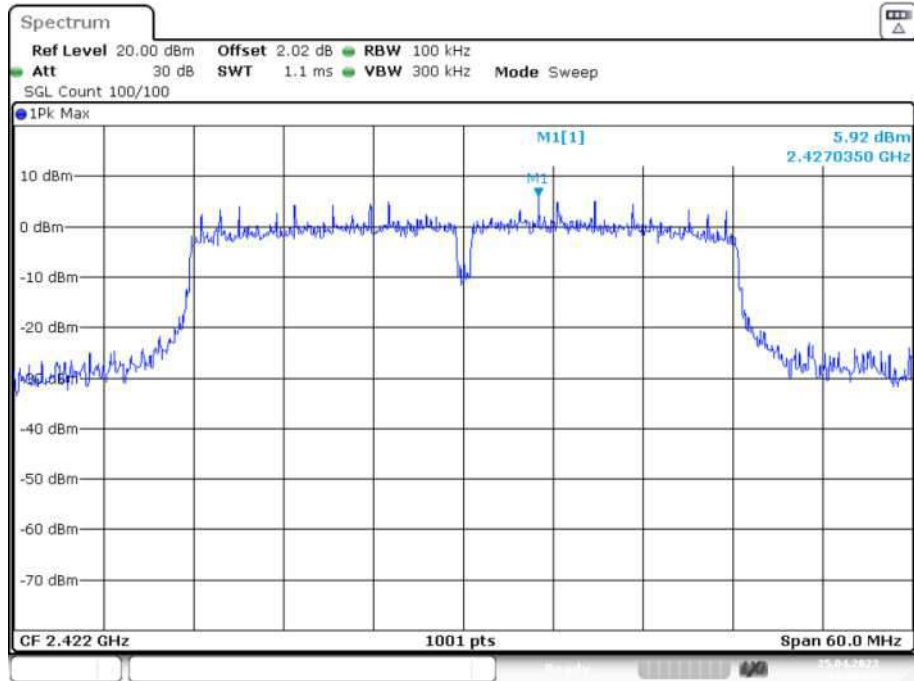
Date: 25.APR.2023 19:02:21

Tx. Spurious NVNT n20 2462MHz Ant2 Emission



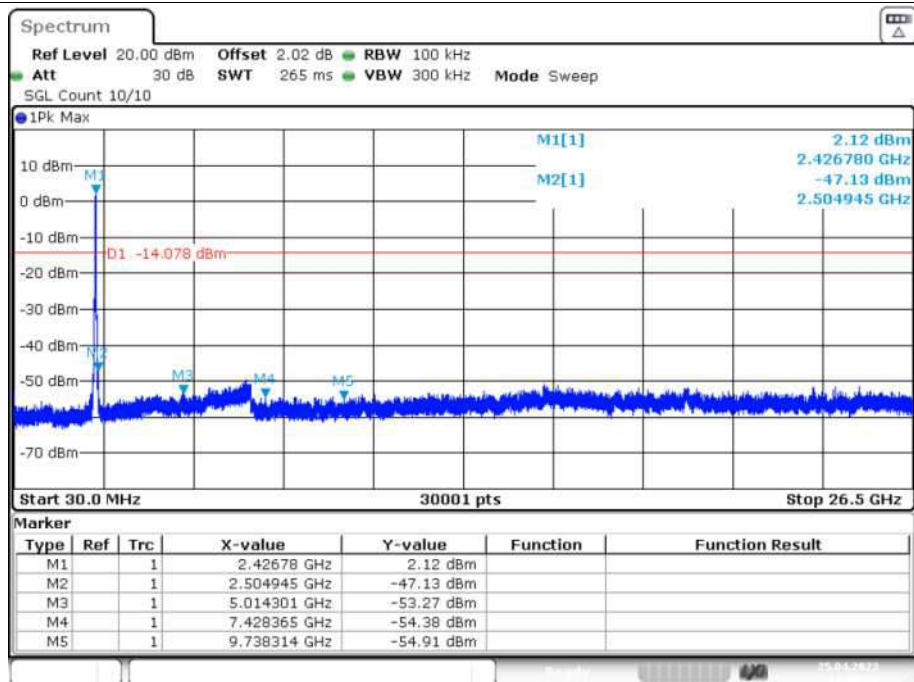
Date: 25.APR.2023 19:02:37

Tx. Spurious NVNT n40 2422MHz Ant1 Ref

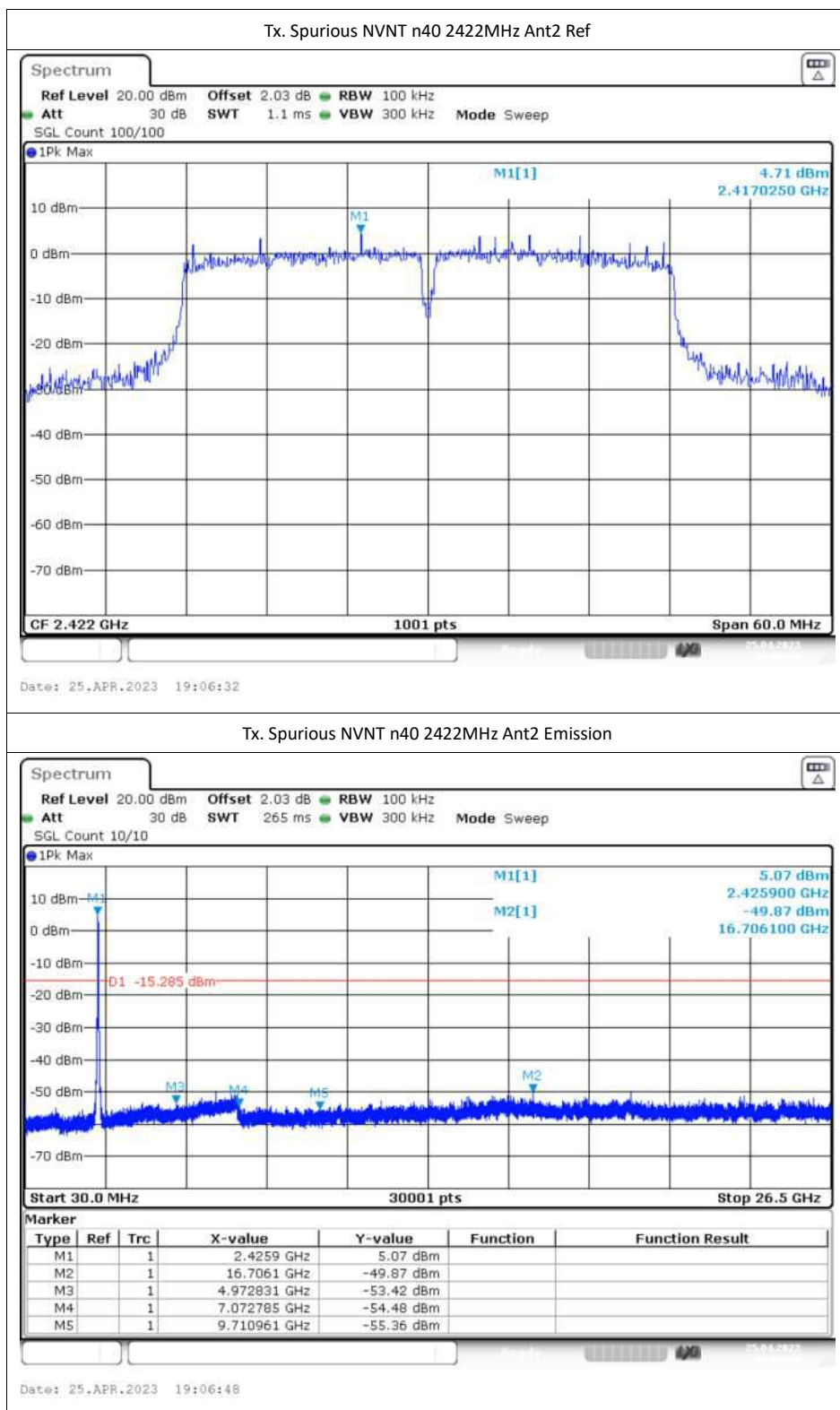


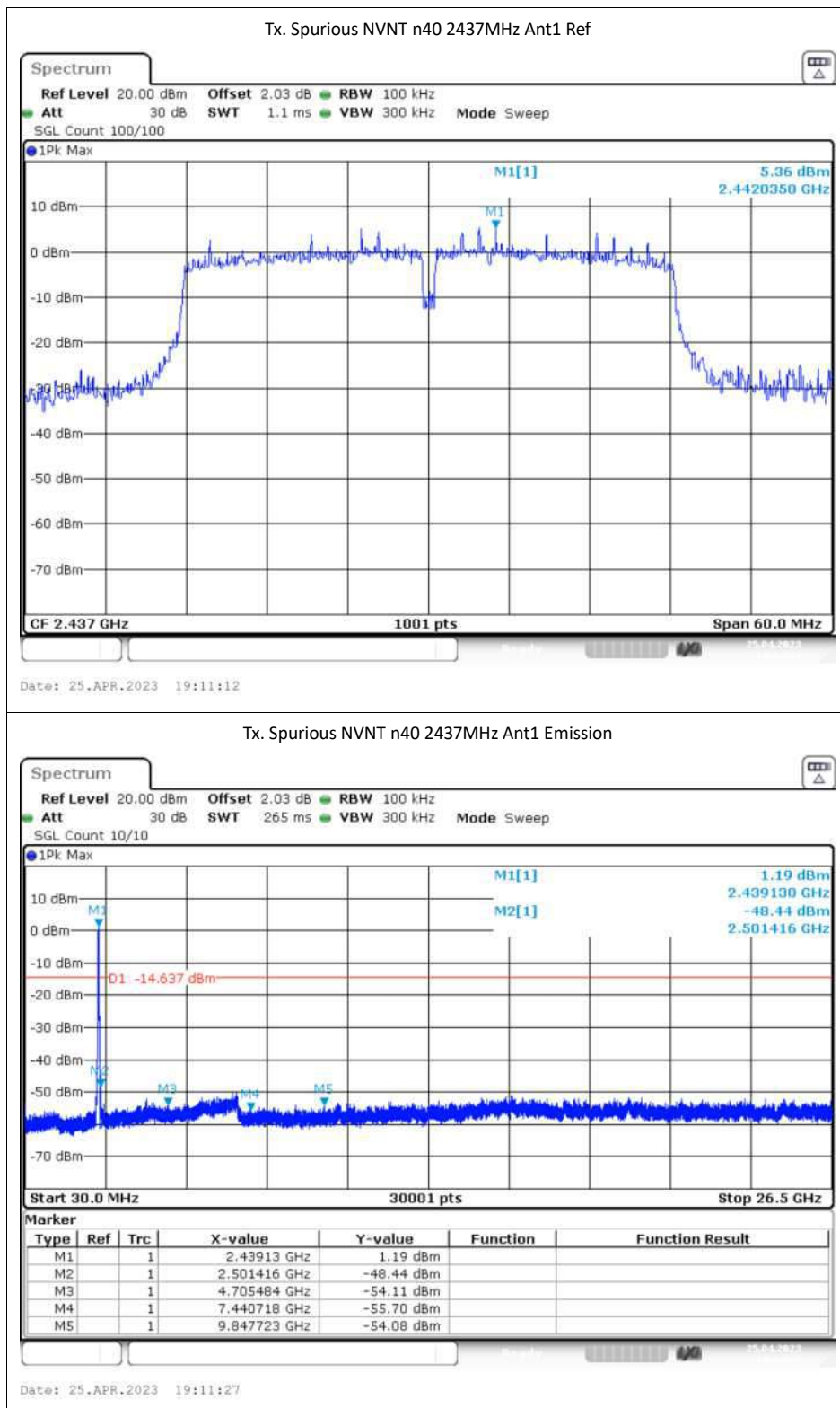
Date: 25.APR.2023 19:08:22

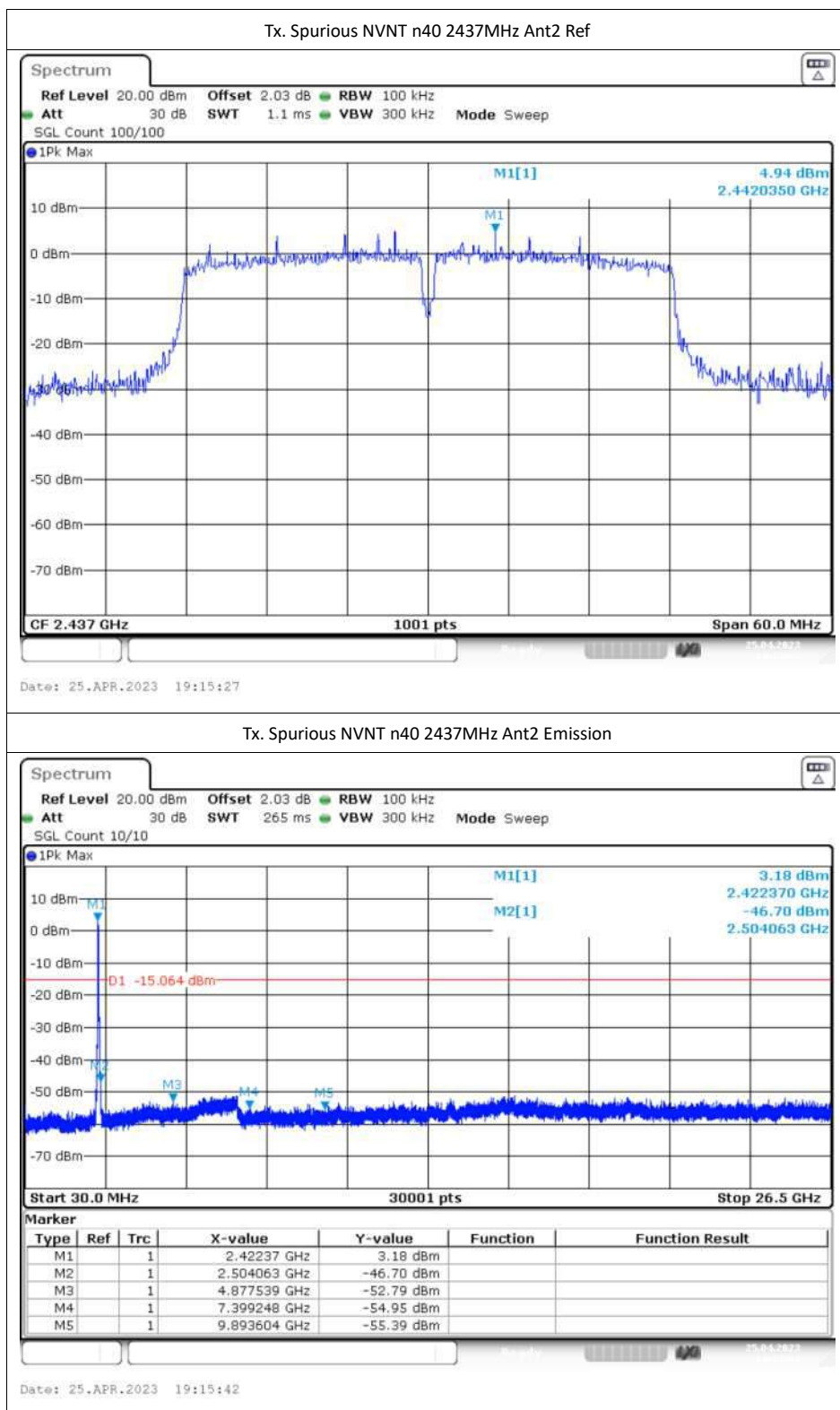
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



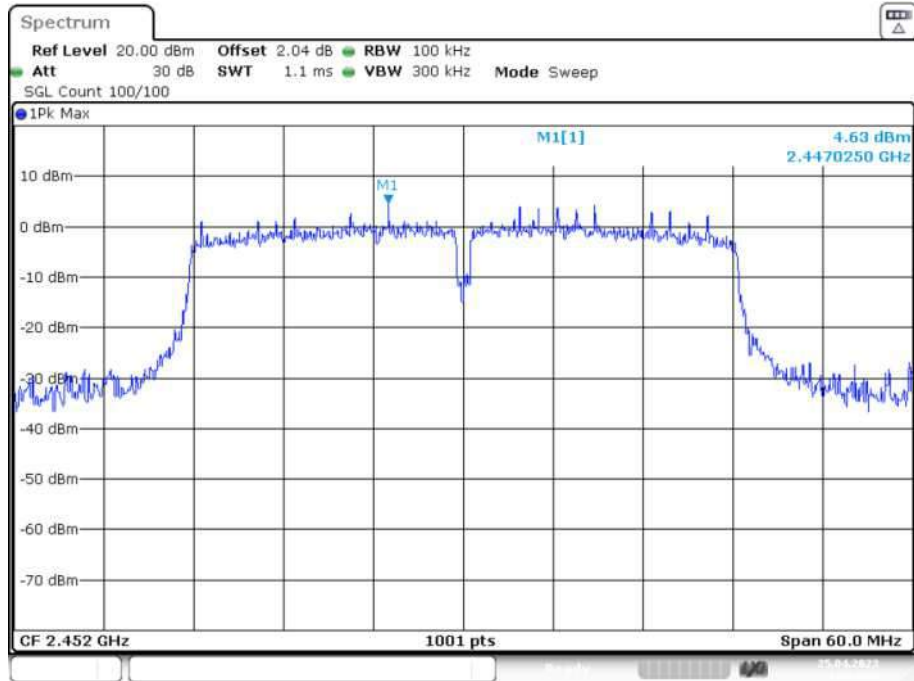
Date: 25.APR.2023 19:08:38





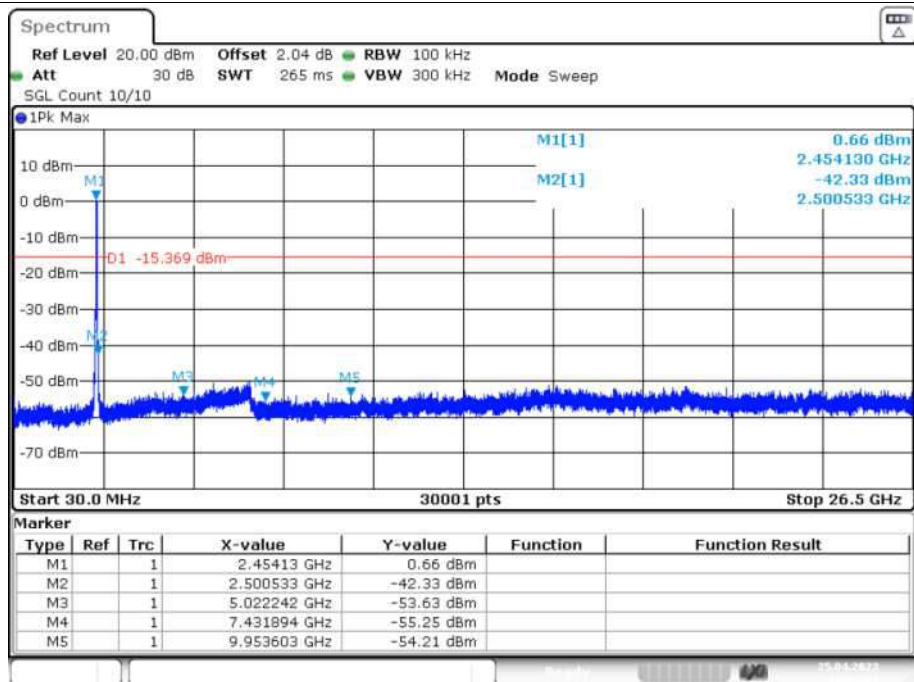


Tx. Spurious NVNT n40 2452MHz Ant1 Ref



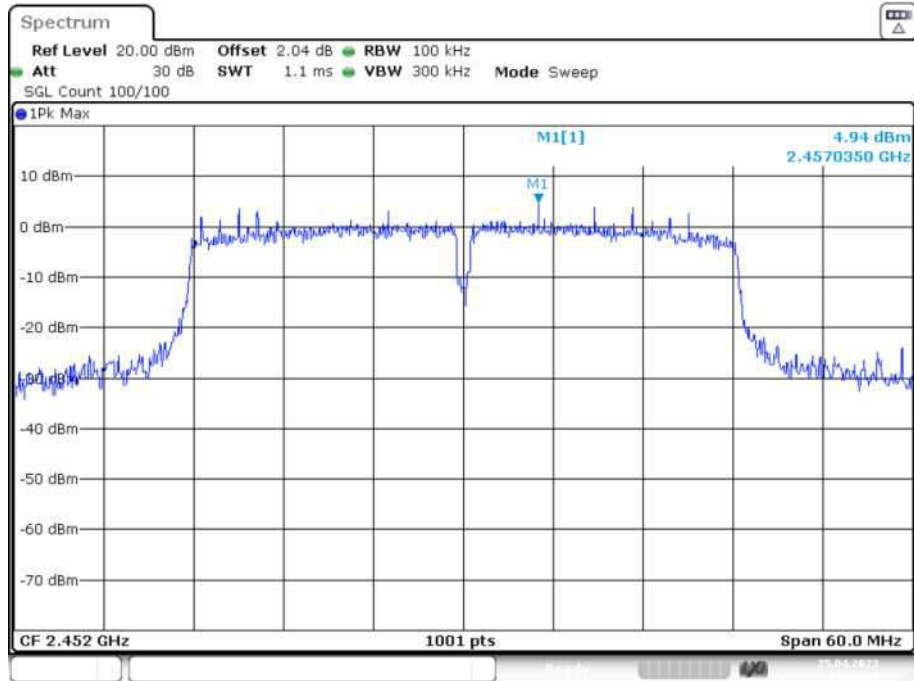
Date: 25.APR.2023 19:23:52

Tx. Spurious NVNT n40 2452MHz Ant1 Emission



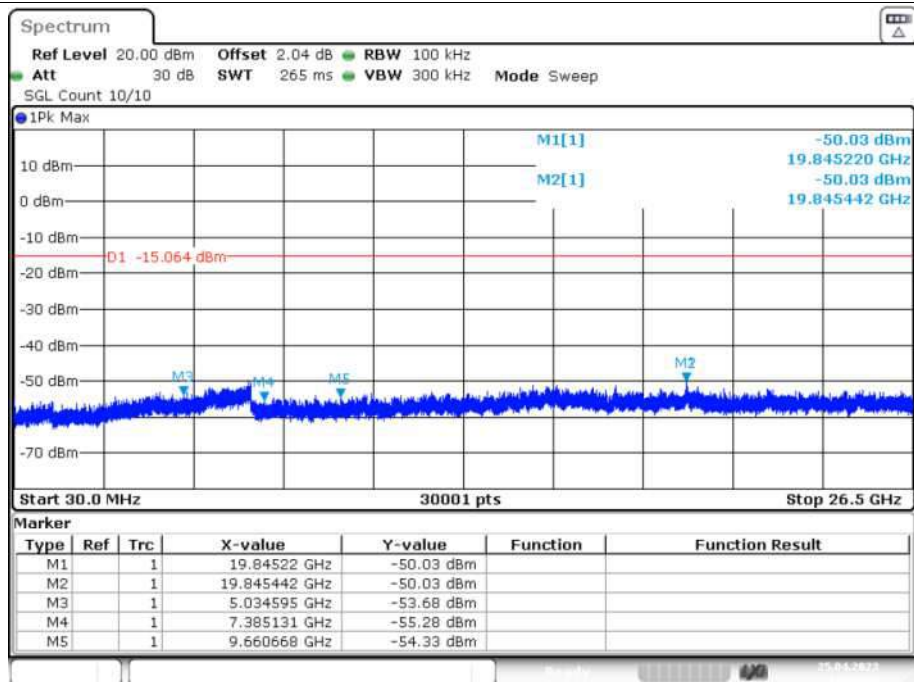
Date: 25.APR.2023 19:24:07

Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Date: 25.APR.2023 19:20:14

Tx. Spurious NVNT n40 2452MHz Ant2 Emission



Date: 25.APR.2023 19:20:29

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	94.25	0.26	0.12
NVNT	b	2412	Ant2	94.25	0.26	0.12
NVNT	b	2437	Ant1	94.25	0.26	0.12
NVNT	b	2437	Ant2	94.21	0.26	0.12
NVNT	b	2462	Ant1	94.23	0.26	0.12
NVNT	b	2462	Ant2	94.25	0.26	0.12
NVNT	g	2412	Ant1	73.15	1.36	0.73
NVNT	g	2412	Ant2	73.15	1.36	0.73
NVNT	g	2437	Ant1	73.15	1.36	0.73
NVNT	g	2437	Ant2	73.07	1.36	0.73
NVNT	g	2462	Ant1	73.15	1.36	0.73
NVNT	g	2462	Ant2	73.15	1.36	0.73
NVNT	n20	2412	Ant1	71.73	1.44	0.78
NVNT	n20	2412	Ant2	71.7	1.44	0.79
NVNT	n20	2437	Ant1	71.82	1.44	0.78
NVNT	n20	2437	Ant2	71.7	1.44	0.79
NVNT	n20	2462	Ant1	71.73	1.44	0.78
NVNT	n20	2462	Ant2	71.82	1.44	0.78
NVNT	n40	2422	Ant1	55.91	2.53	1.58
NVNT	n40	2422	Ant2	55.82	2.53	1.58
NVNT	n40	2437	Ant1	55.99	2.52	1.57
NVNT	n40	2437	Ant2	55.91	2.53	1.58
NVNT	n40	2452	Ant1	55.73	2.54	1.58
NVNT	n40	2452	Ant2	55.73	2.54	1.58