



Appendix RF test data for WIFI2.4G

Product Name: Mini Desktop Computer

Trade Mark: Blackview

Test Model: NEX60

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya Lin
Supervised by:	Simba Huang



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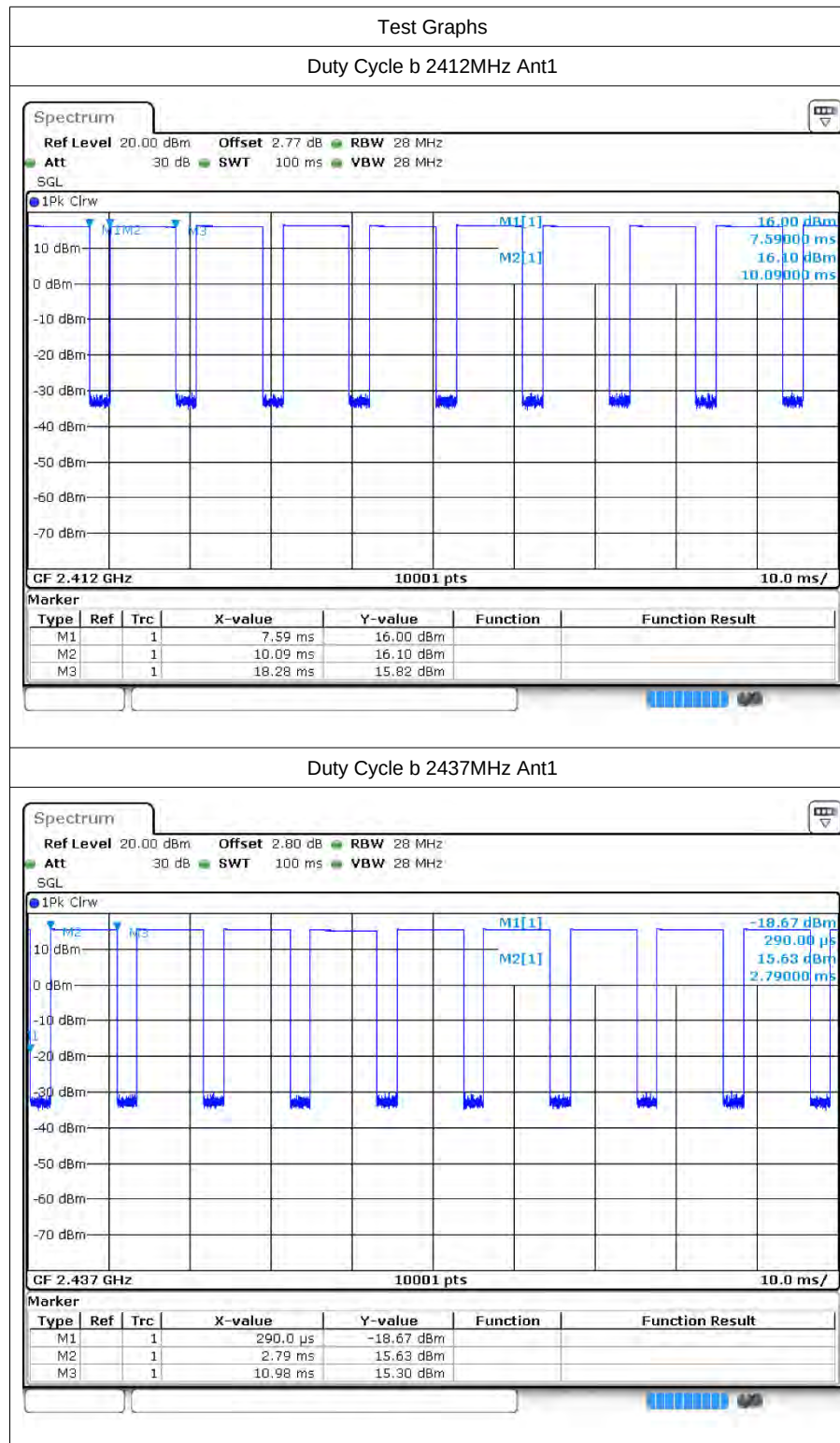


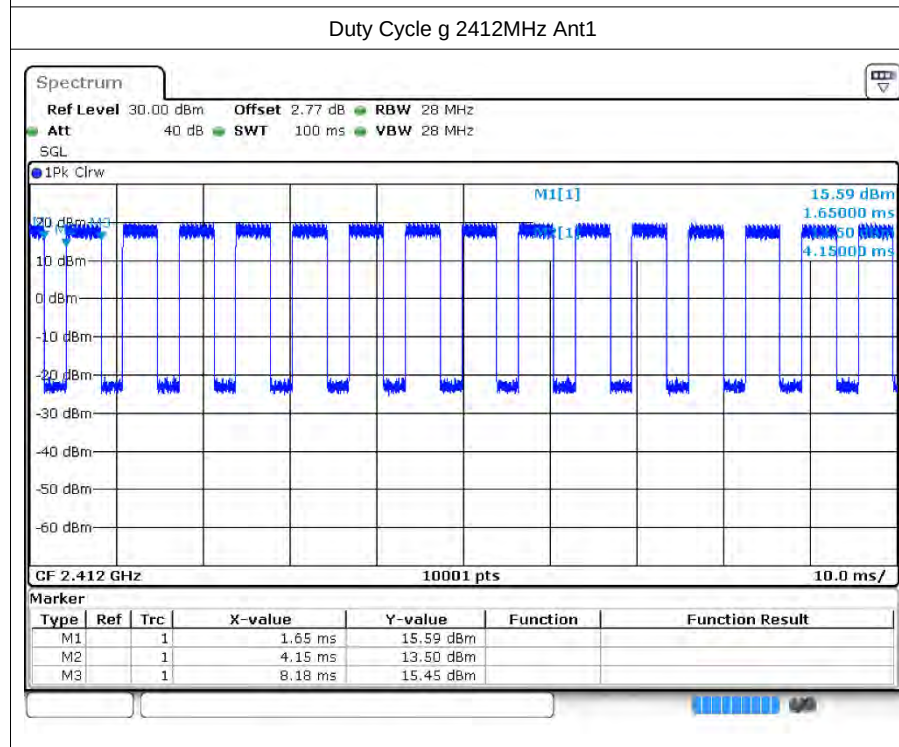
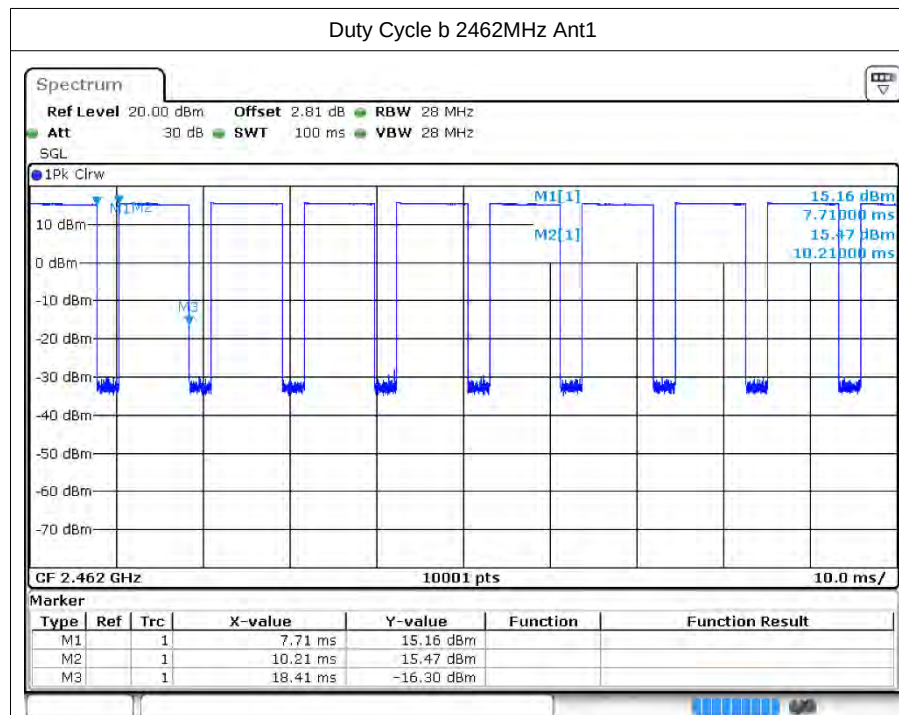
1 Duty Cycle

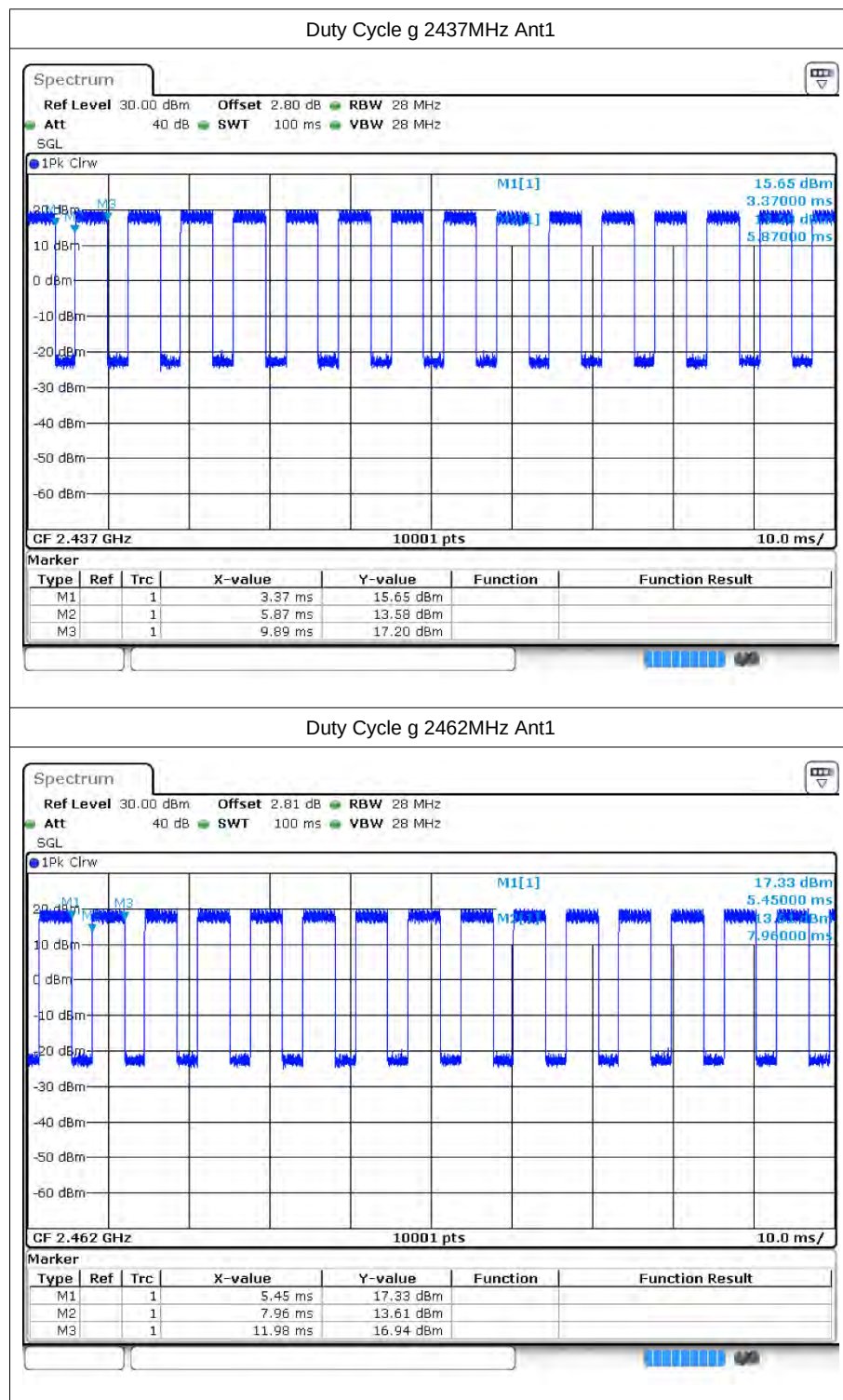
1.1 Test Result

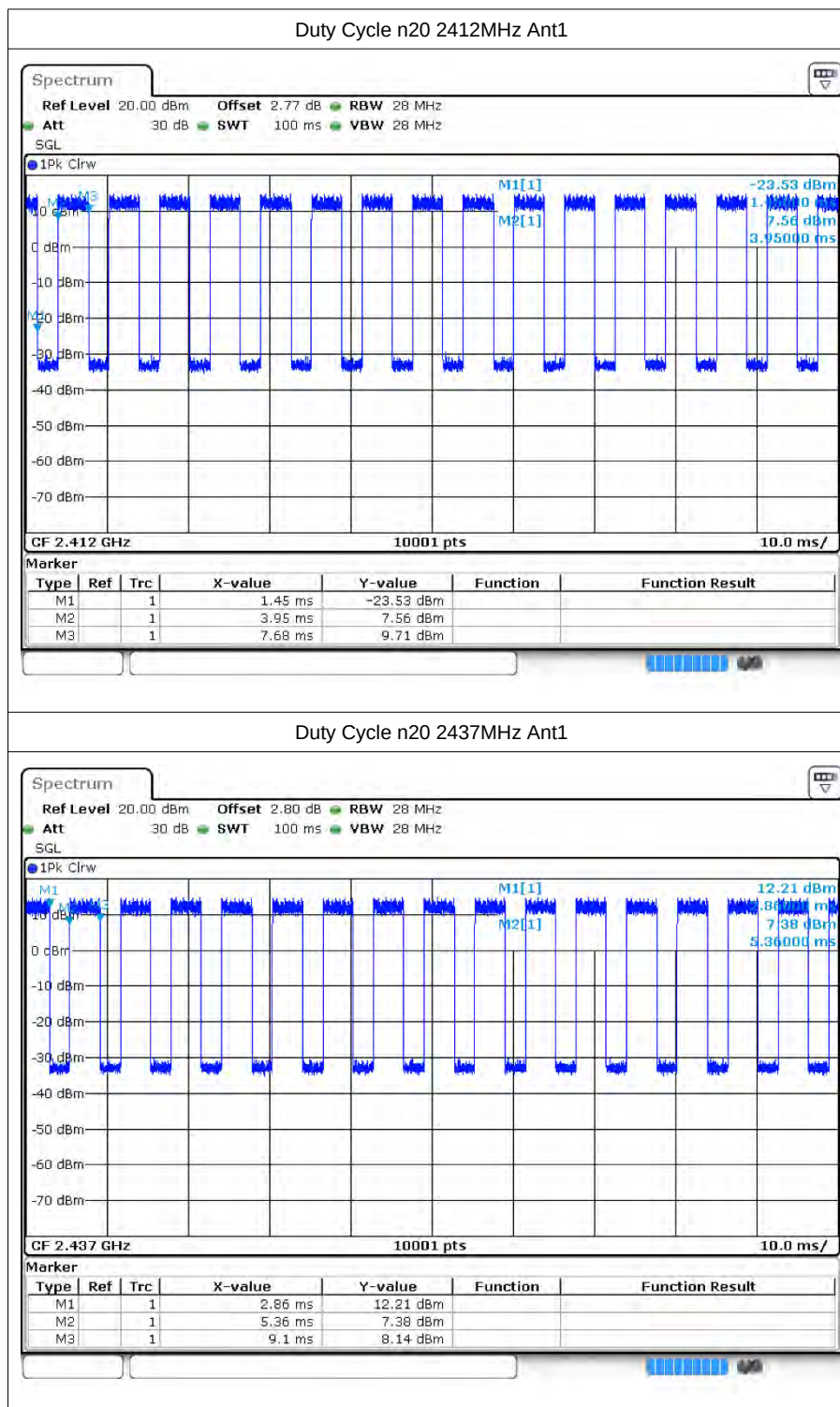
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	77.56	1.1	0.12
b	2437	Ant1	75.09	1.24	0.12
b	2462	Ant1	77.59	1.1	0.12
g	2412	Ant1	77.56	1.1	0.12
g	2437	Ant1	75.09	1.24	0.12
g	2462	Ant1	77.59	1.1	0.12
n20	2412	Ant1	60.12	2.21	0.27
n20	2437	Ant1	60.12	2.21	0.27
n20	2462	Ant1	60.08	2.21	0.27
n40	2422	Ant1	58.15	2.35	0.28
n40	2437	Ant1	57.9	2.37	0.28
n40	2452	Ant1	58.92	2.3	0.28
ax20	2412	Ant1	57.22	2.42	0.3
ax20	2437	Ant1	57.2	2.43	0.3
ax20	2462	Ant1	57.21	2.42	0.3
ax40	2422	Ant1	57.63	2.39	0.3
ax40	2437	Ant1	57.63	2.39	0.3
ax40	2452	Ant1	57.15	2.43	0.3
b	2412	Ant2	75.63	1.21	0.12
b	2437	Ant2	75.05	1.25	0.12
b	2462	Ant2	76.52	1.16	0.12
g	2412	Ant2	75.63	1.21	0.12
g	2437	Ant2	75.05	1.25	0.12
g	2462	Ant2	76.52	1.16	0.12
n20	2412	Ant2	60.12	2.21	0.27
n20	2437	Ant2	59.86	2.23	0.27
n20	2462	Ant2	59.88	2.23	0.27
n40	2422	Ant2	57.81	2.38	0.28
n40	2437	Ant2	58.66	2.32	0.28
n40	2452	Ant2	58.09	2.36	0.28
ax20	2412	Ant2	57.38	2.41	0.3
ax20	2437	Ant2	57.21	2.42	0.3
ax20	2462	Ant2	57.2	2.43	0.3
ax40	2422	Ant2	57.15	2.43	0.3
ax40	2437	Ant2	57.64	2.39	0.3
ax40	2452	Ant2	57.62	2.39	0.3

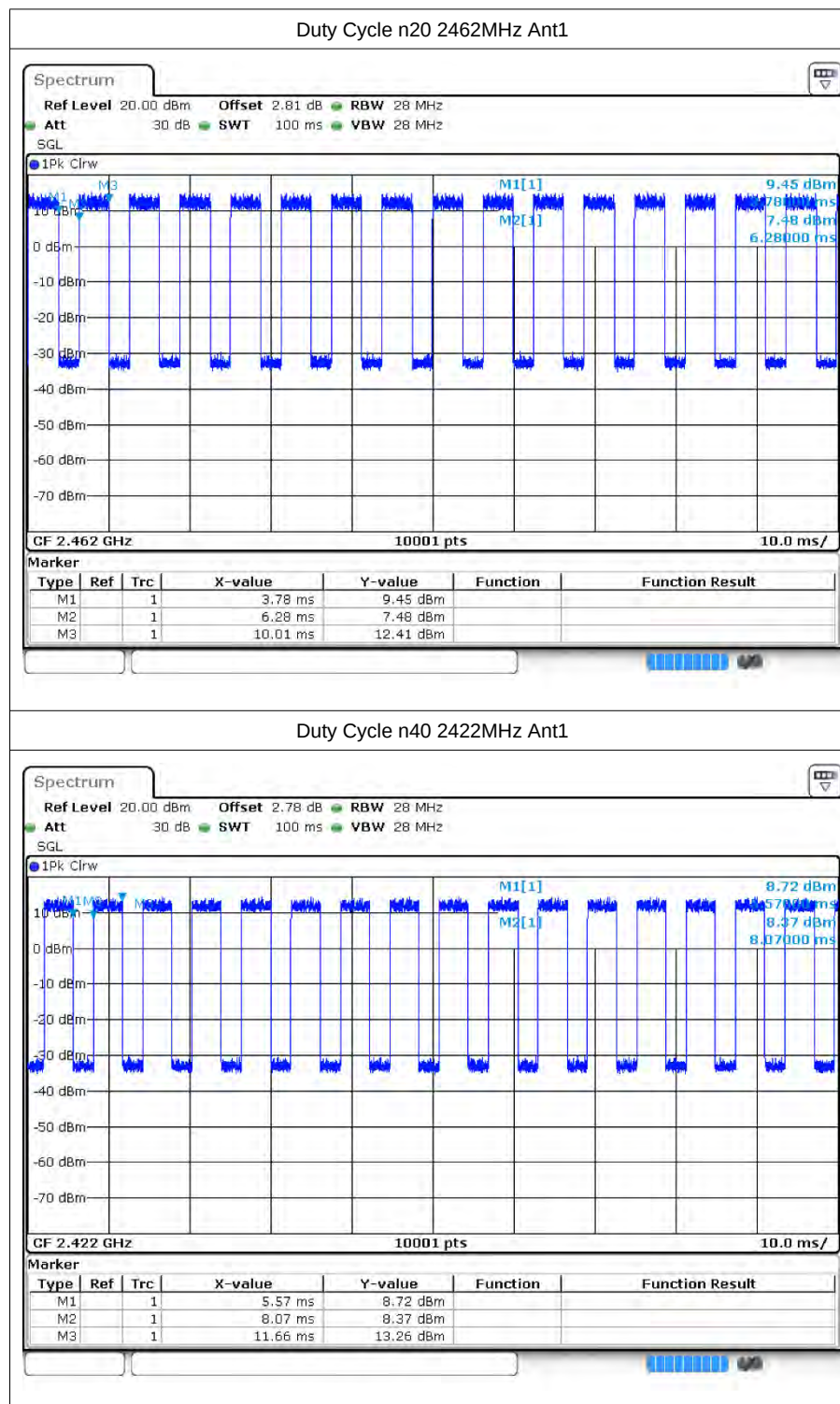
1.2 Test Graphs

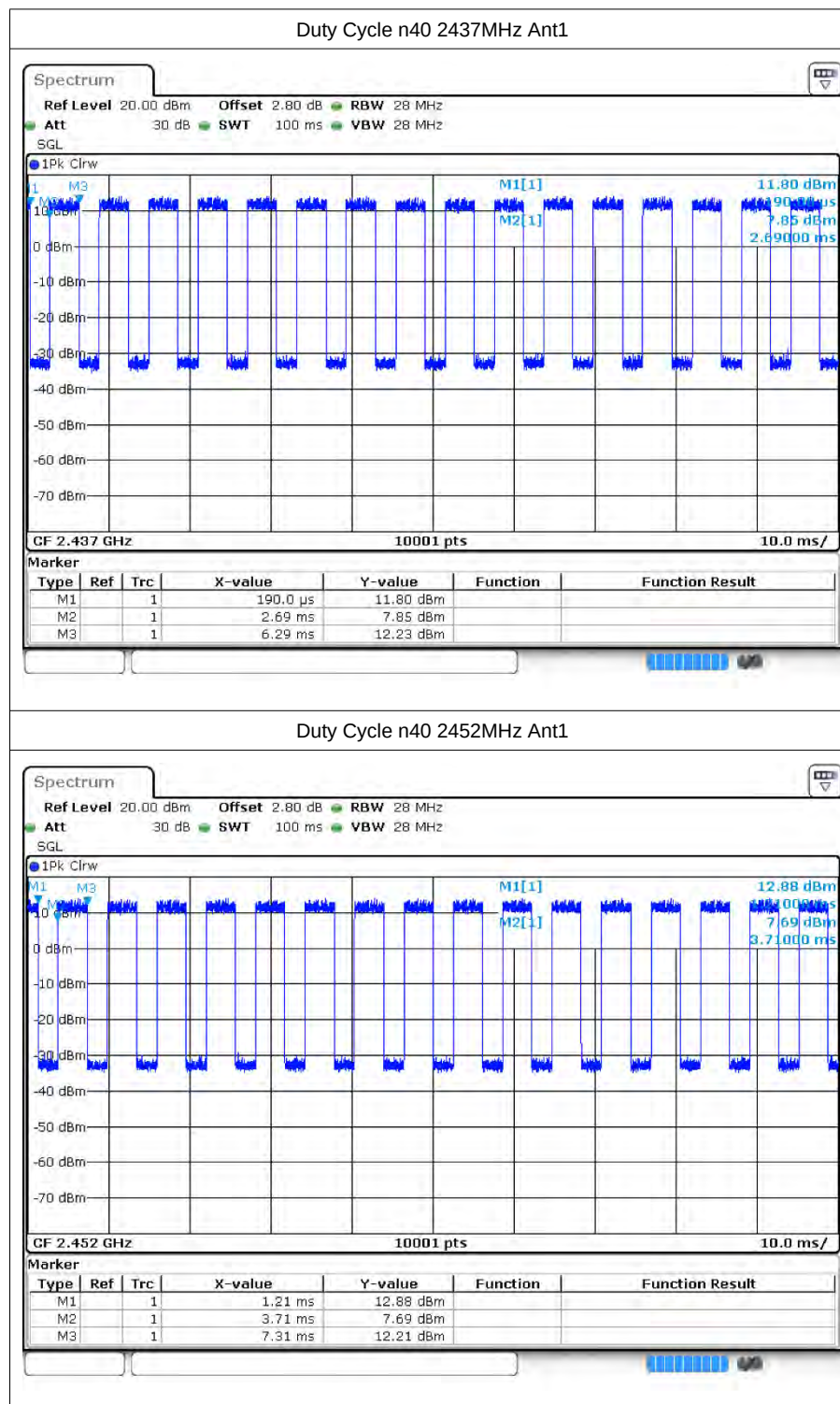






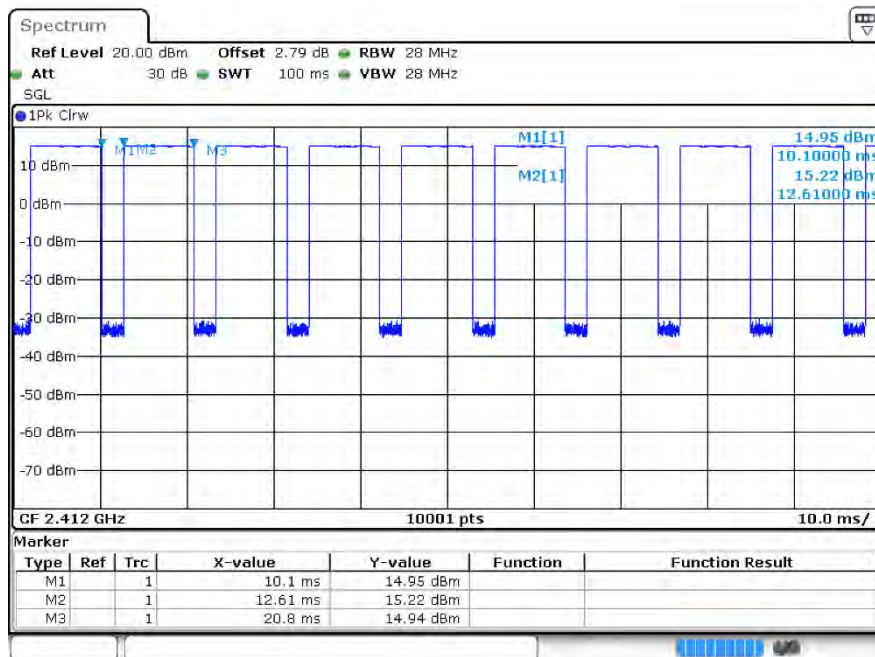




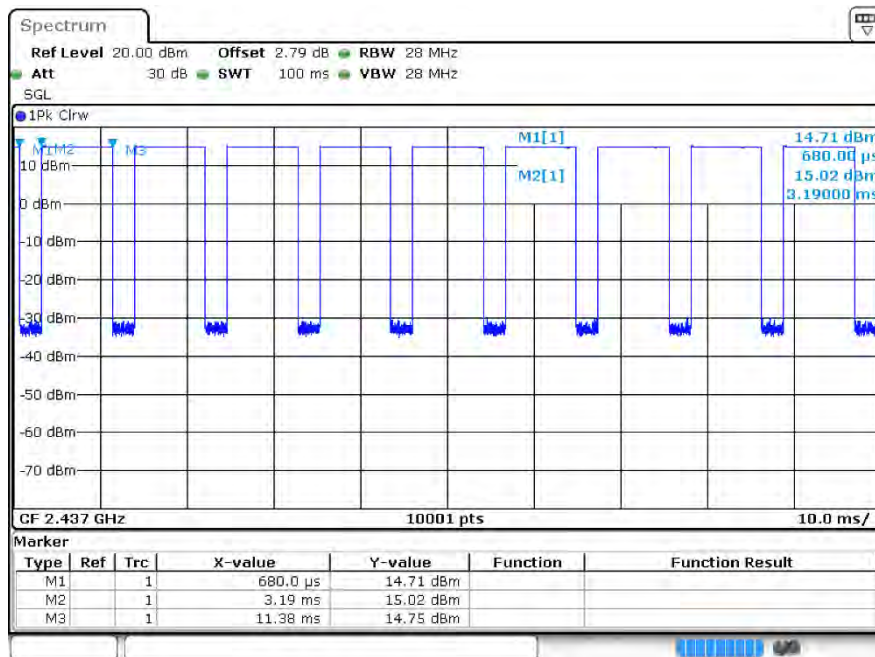


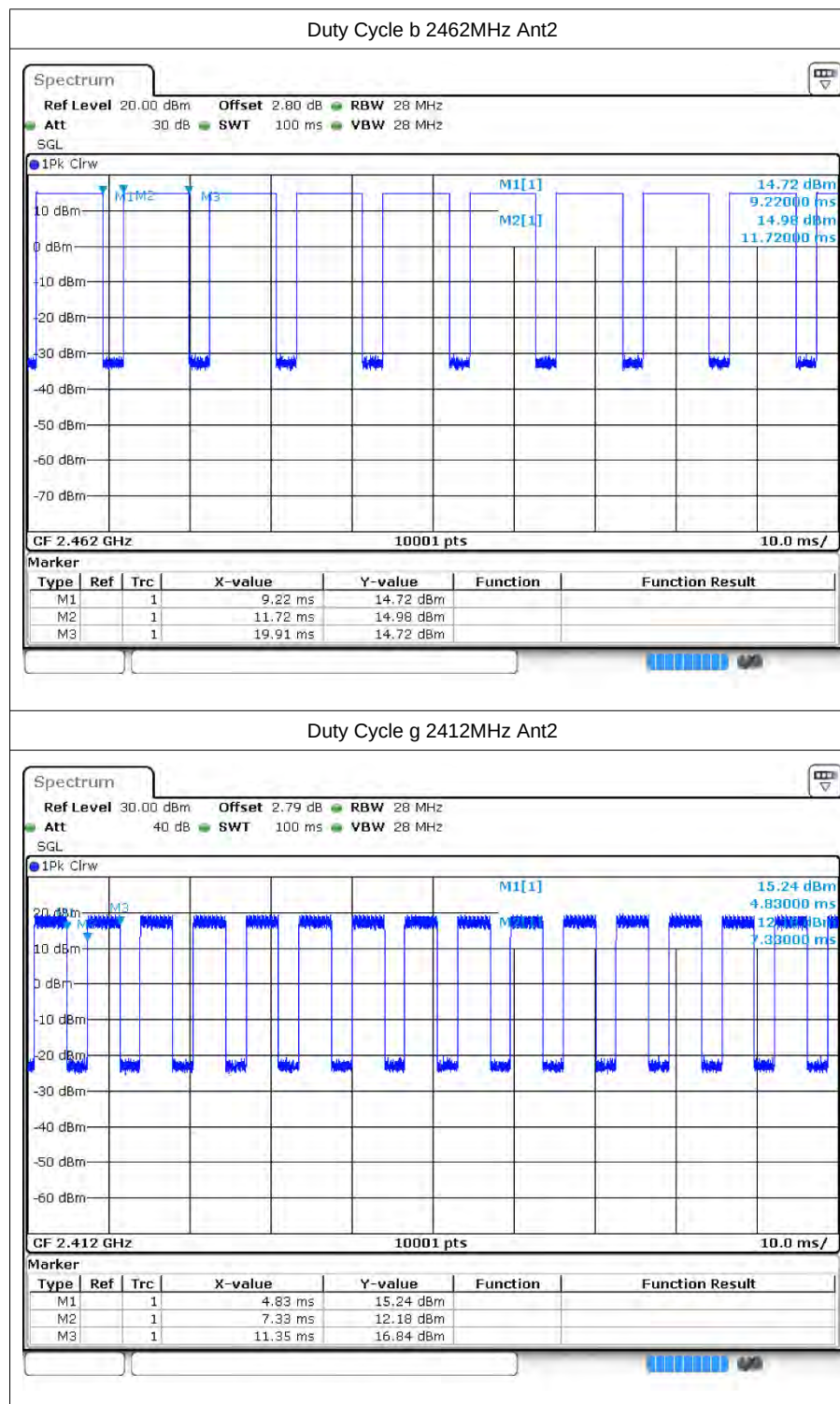
Test Graphs

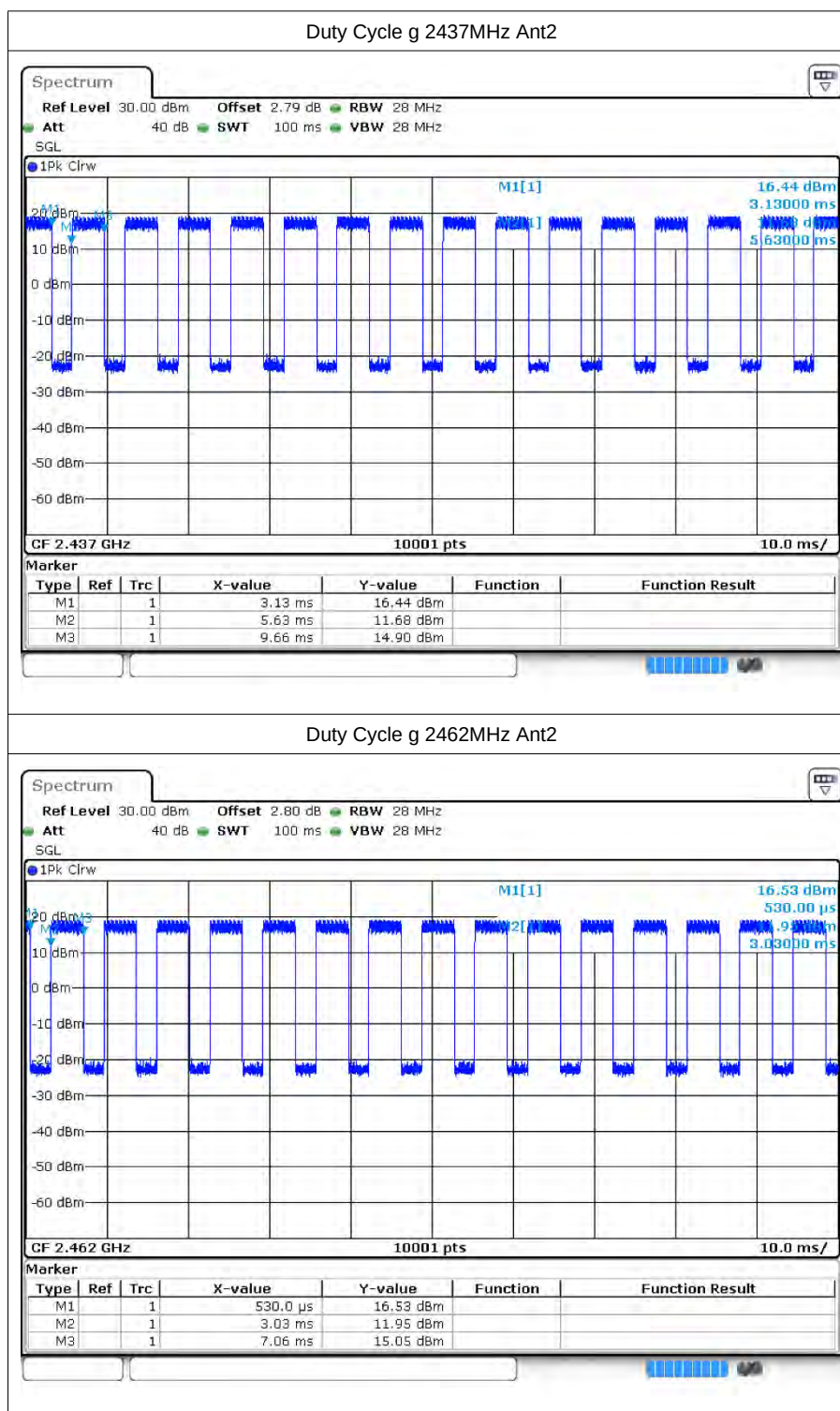
Duty Cycle b 2412MHz Ant2

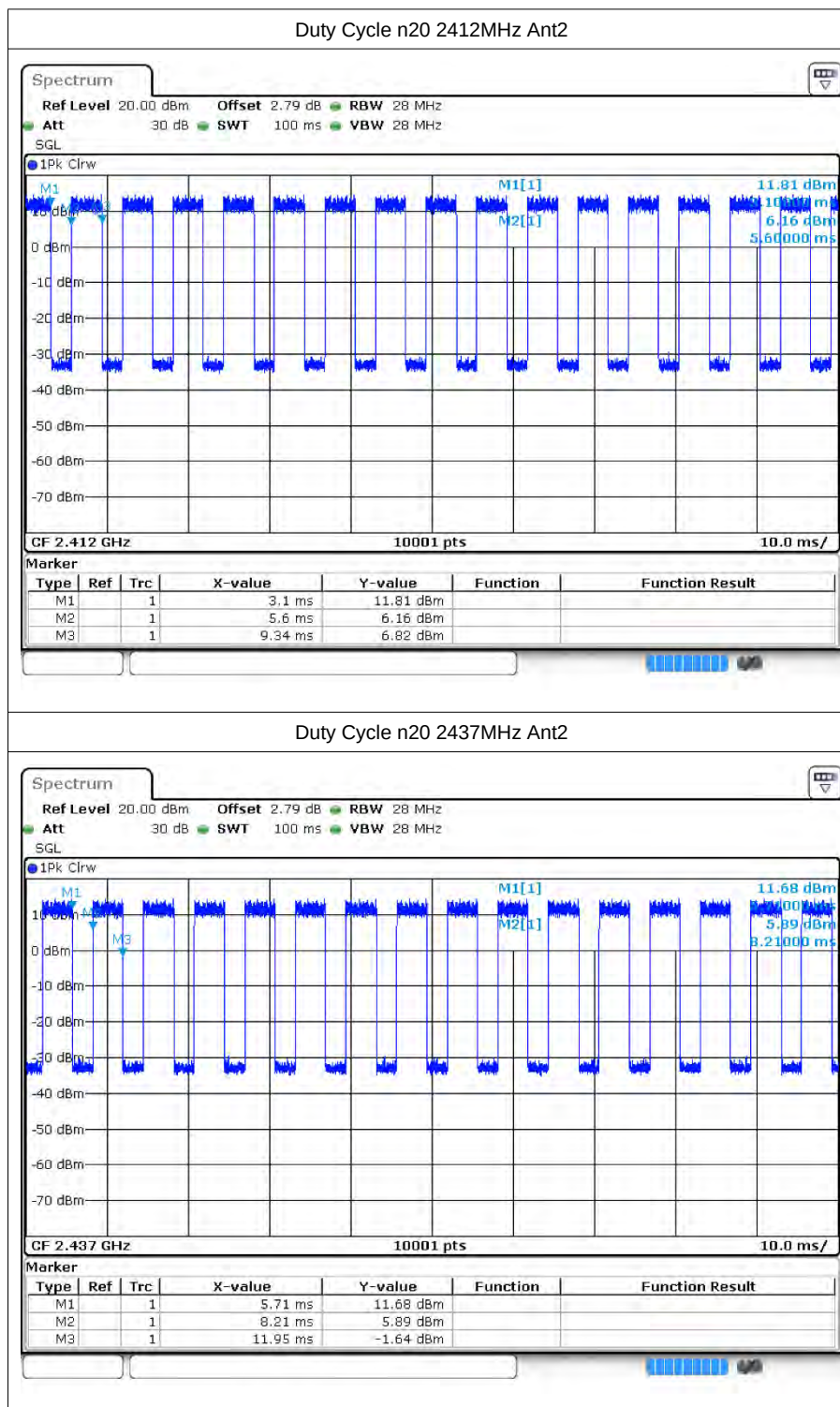


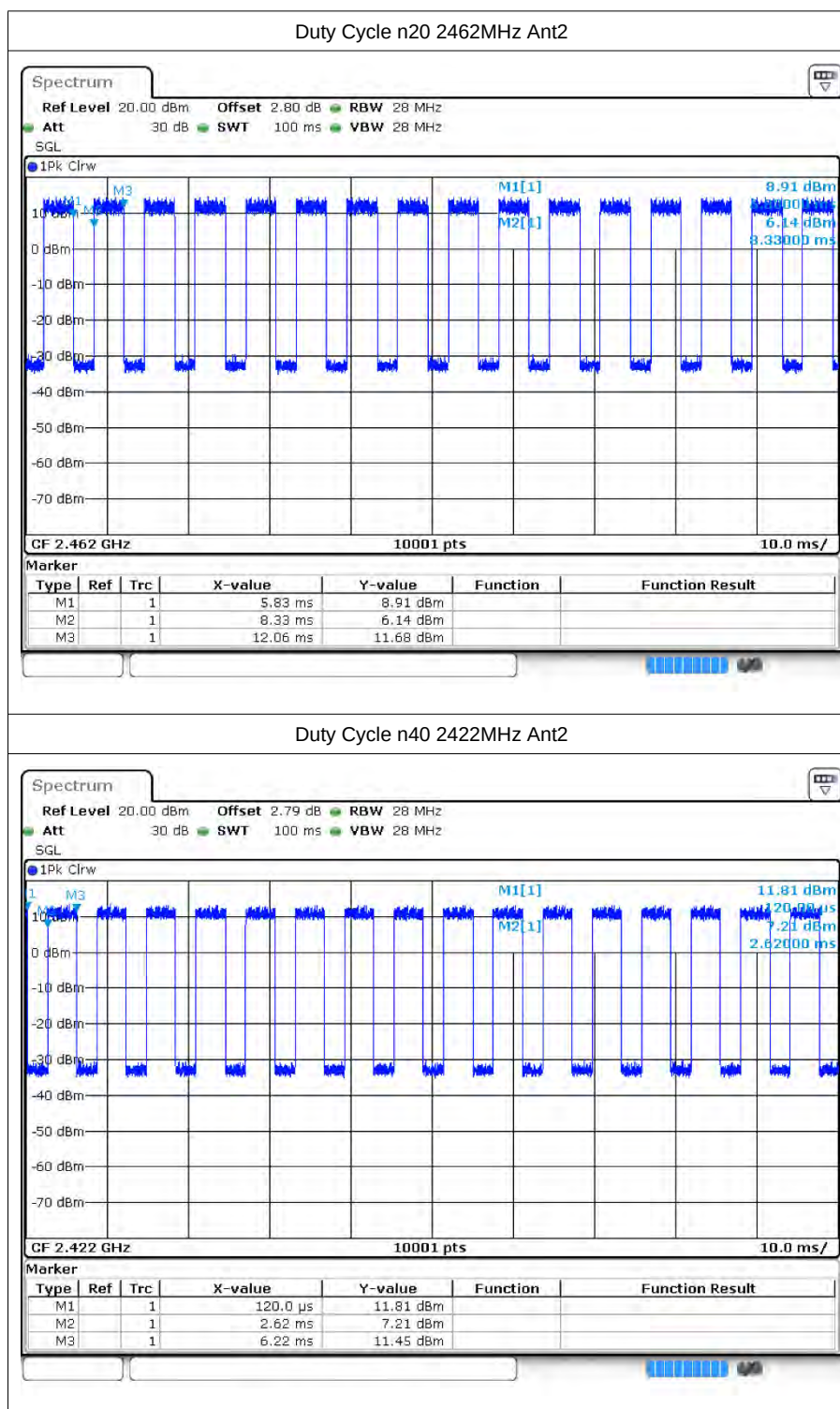
Duty Cycle b 2437MHz Ant2

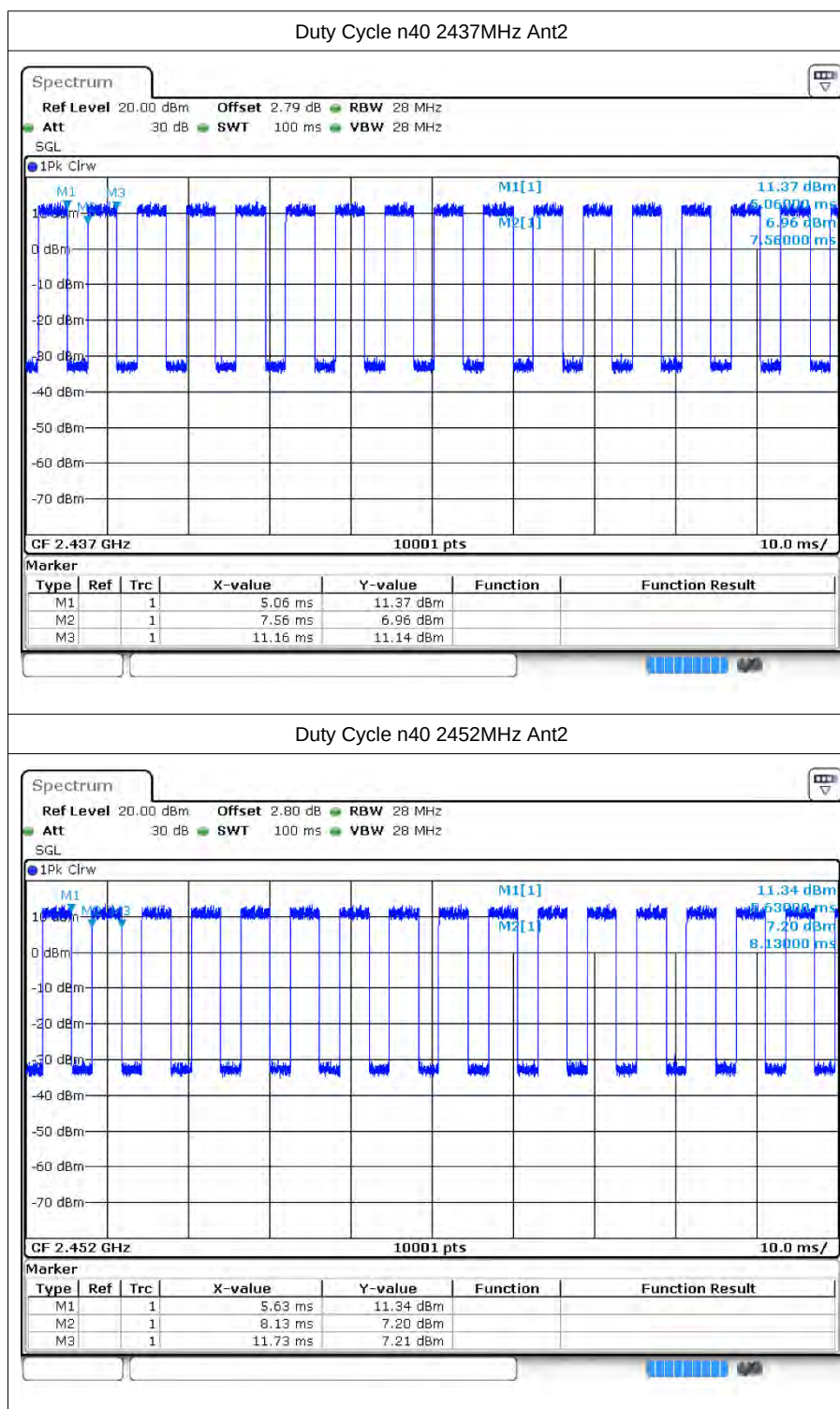




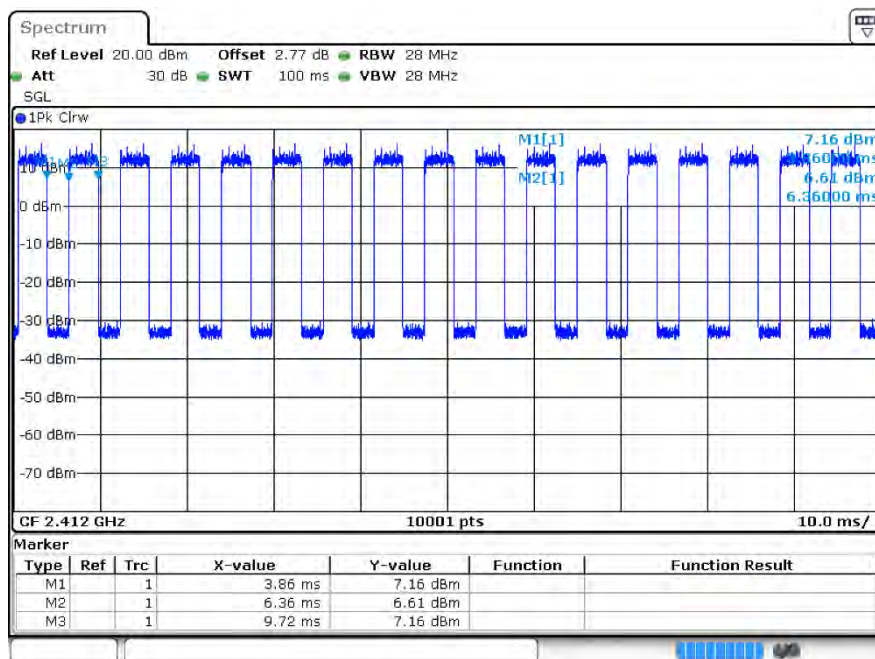




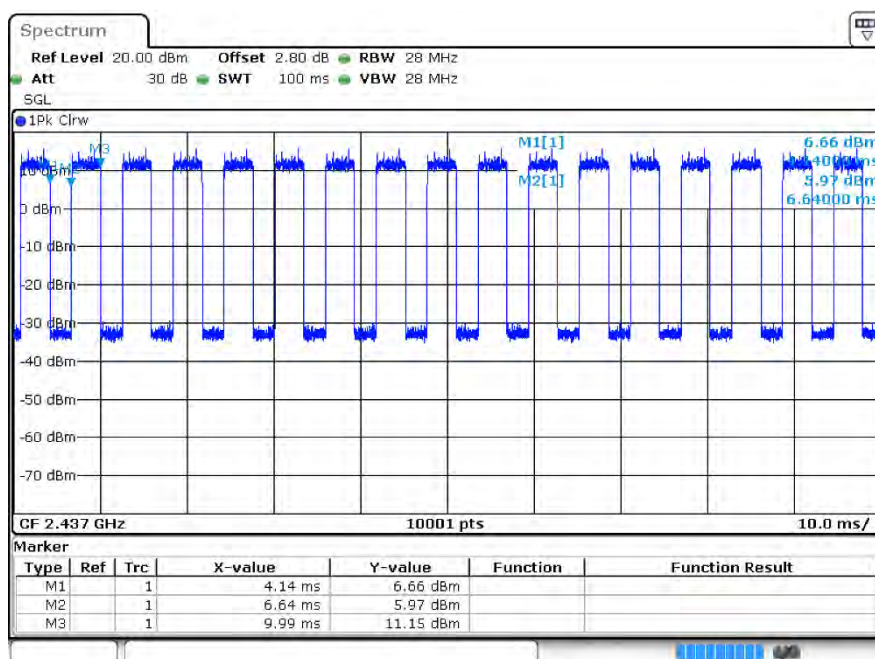




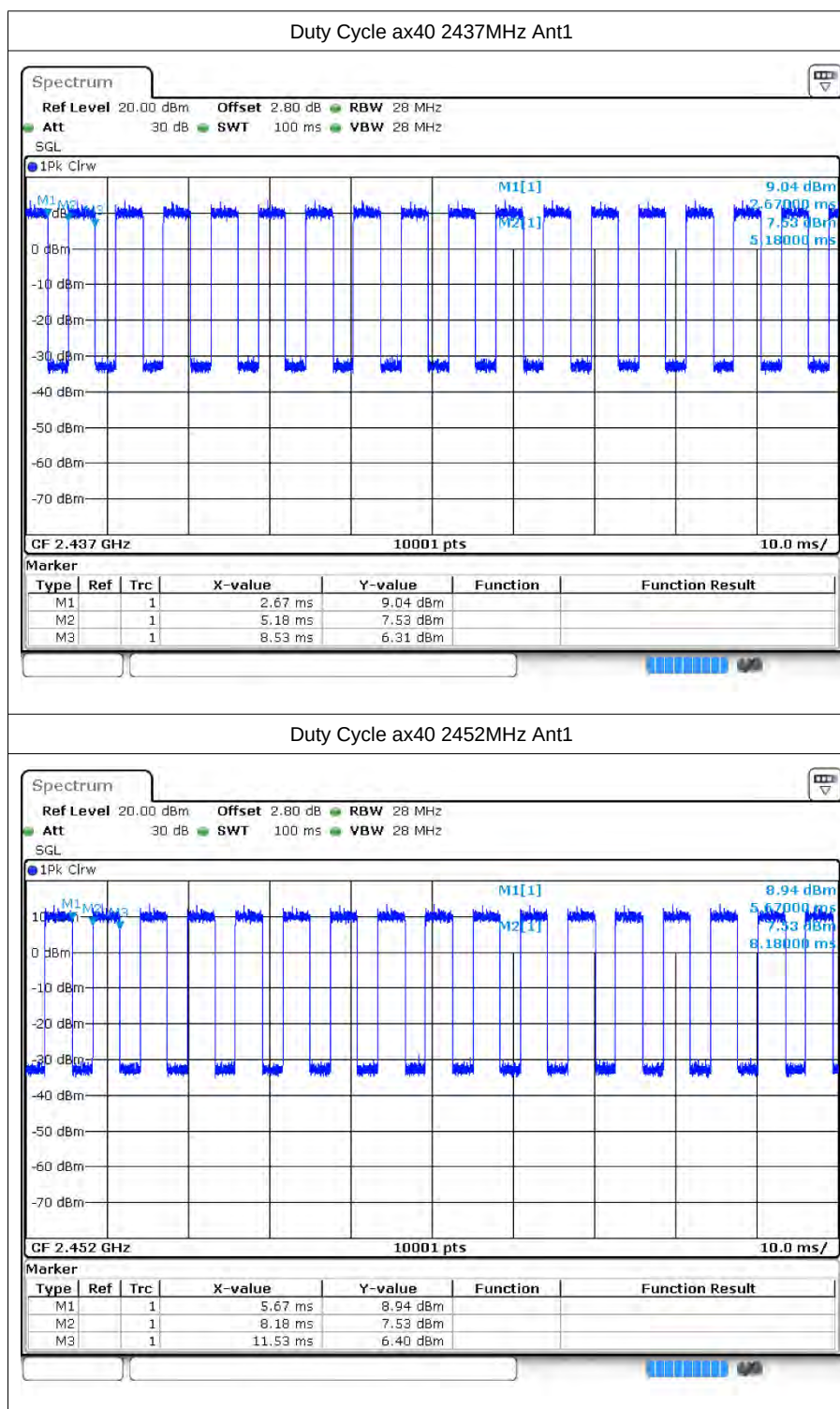
Duty Cycle ax20 2412MHz Ant1

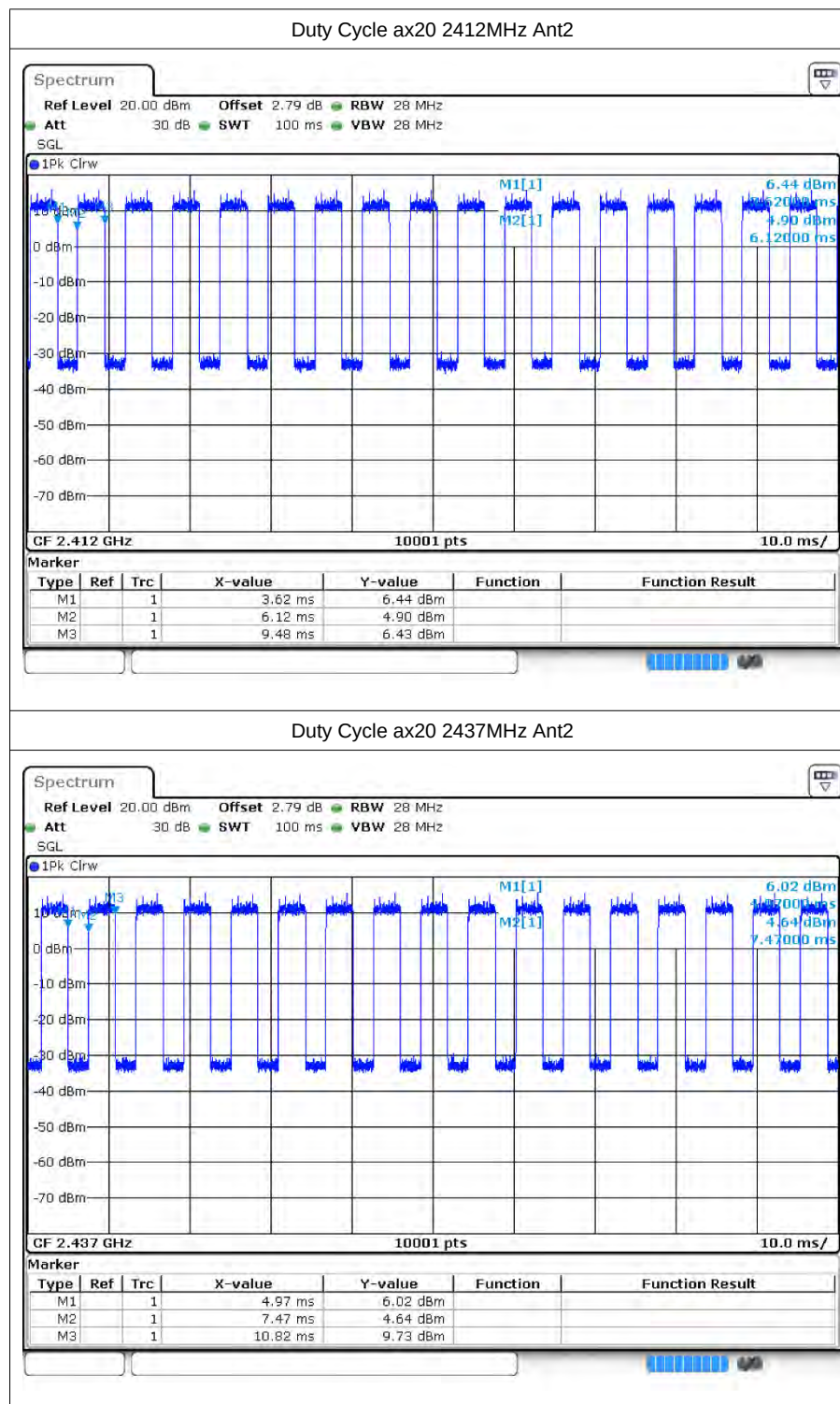


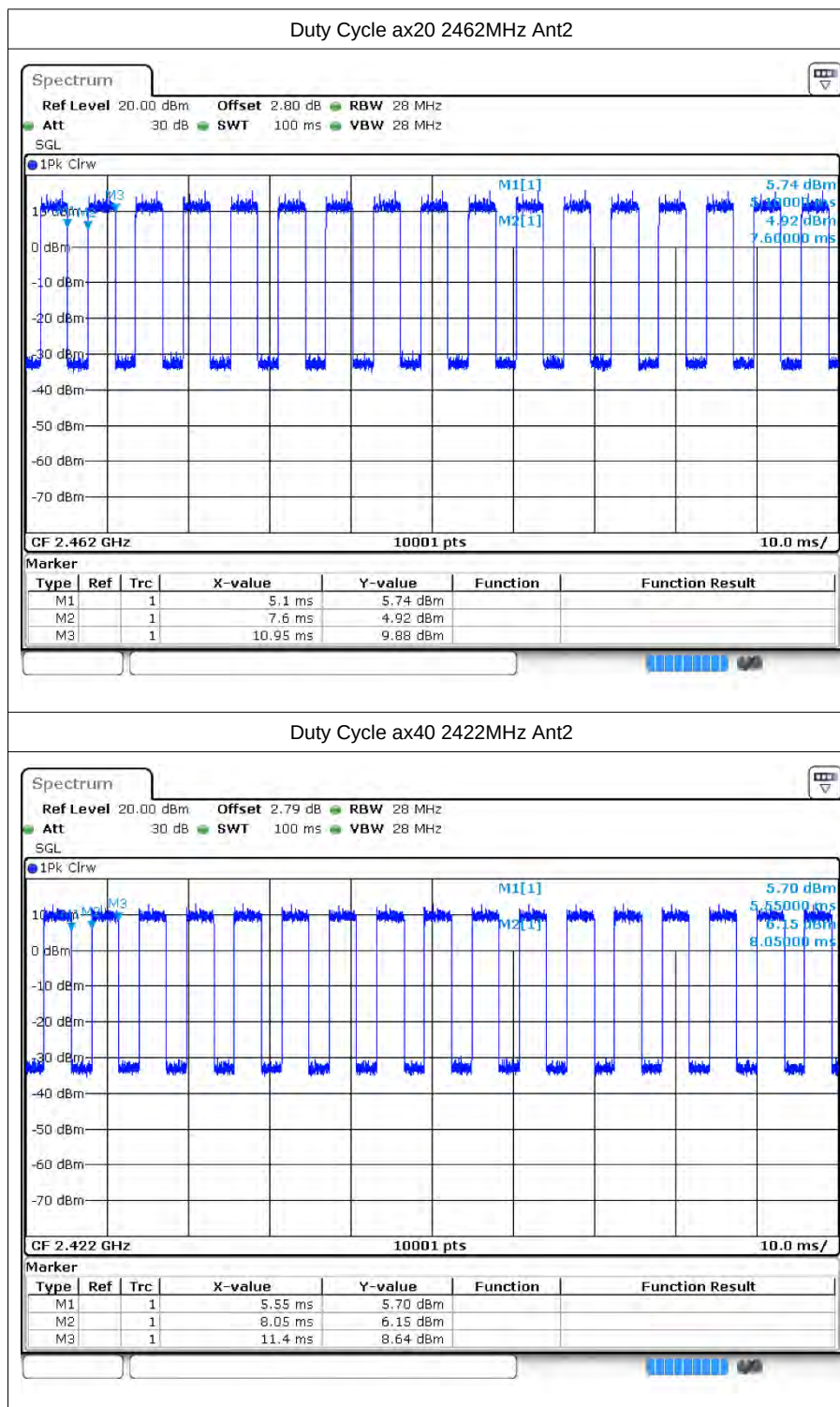
Duty Cycle ax20 2437MHz Ant1

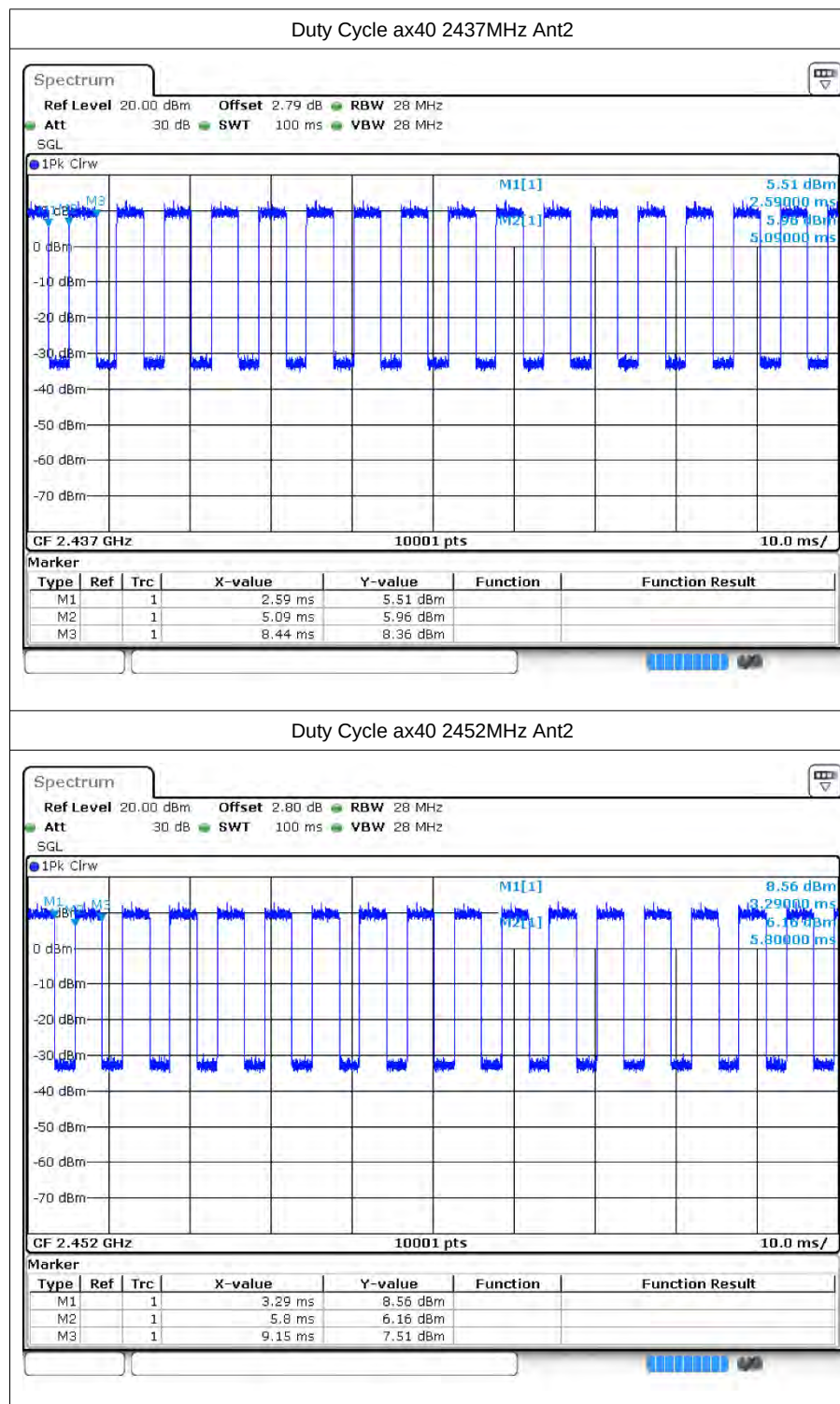












2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	17.52	30	Pass
b	2437	Ant1	17.36	30	Pass
b	2462	Ant1	17.34	30	Pass
b	2412	Ant2	16.94	30	Pass
b	2437	Ant2	16.74	30	Pass
b	2462	Ant2	16.03	30	Pass
g	2412	Ant1	16.06	30	Pass
g	2437	Ant1	16.33	30	Pass
g	2462	Ant1	16.34	30	Pass
g	2412	Ant2	15.67	30	Pass
g	2437	Ant2	15.42	30	Pass
g	2462	Ant2	15.32	30	Pass
n20	2412	Ant1	12.18	30	Pass
n20	2437	Ant1	11.93	30	Pass
n20	2462	Ant1	11.8	30	Pass
n20	2412	Ant2	11.57	30	Pass
n20	2437	Ant2	11.09	30	Pass
n20	2462	Ant2	11.4	30	Pass
n20	2412	Sum	14.9	30	Pass
n20	2437	Sum	14.54	30	Pass
n20	2462	Sum	14.61	30	Pass
n40	2422	Ant1	12.15	30	Pass
n40	2437	Ant1	11.82	30	Pass
n40	2452	Ant1	11.91	30	Pass
n40	2422	Ant2	11.12	30	Pass
n40	2437	Ant2	10.98	30	Pass
n40	2452	Ant2	10.97	30	Pass
n40	2422	Sum	14.68	30	Pass
n40	2437	Sum	14.43	30	Pass
n40	2452	Sum	14.48	30	Pass
ax20	2412	Ant1	12.74	30	Pass
ax20	2437	Ant1	12.03	30	Pass



ax20	2462	Ant1	12.38	30	Pass
ax20	2412	Ant2	11.94	30	Pass
ax20	2437	Ant2	11.64	30	Pass
ax20	2462	Ant2	11.7	30	Pass
ax20	2412	Sum	15.34	30	Pass
ax20	2437	Sum	14.99	30	Pass
ax20	2462	Sum	15.06	30	Pass
ax40	2422	Ant1	11.8	30	Pass
ax40	2437	Ant1	11.36	30	Pass
ax40	2452	Ant1	11.24	30	Pass
ax40	2422	Ant2	10.53	30	Pass
ax40	2437	Ant2	10.35	30	Pass
ax40	2452	Ant2	10.59	30	Pass
ax40	2422	Sum	14.22	30	Pass
ax40	2437	Sum	13.89	30	Pass
ax40	2452	Sum	13.94	30	Pass

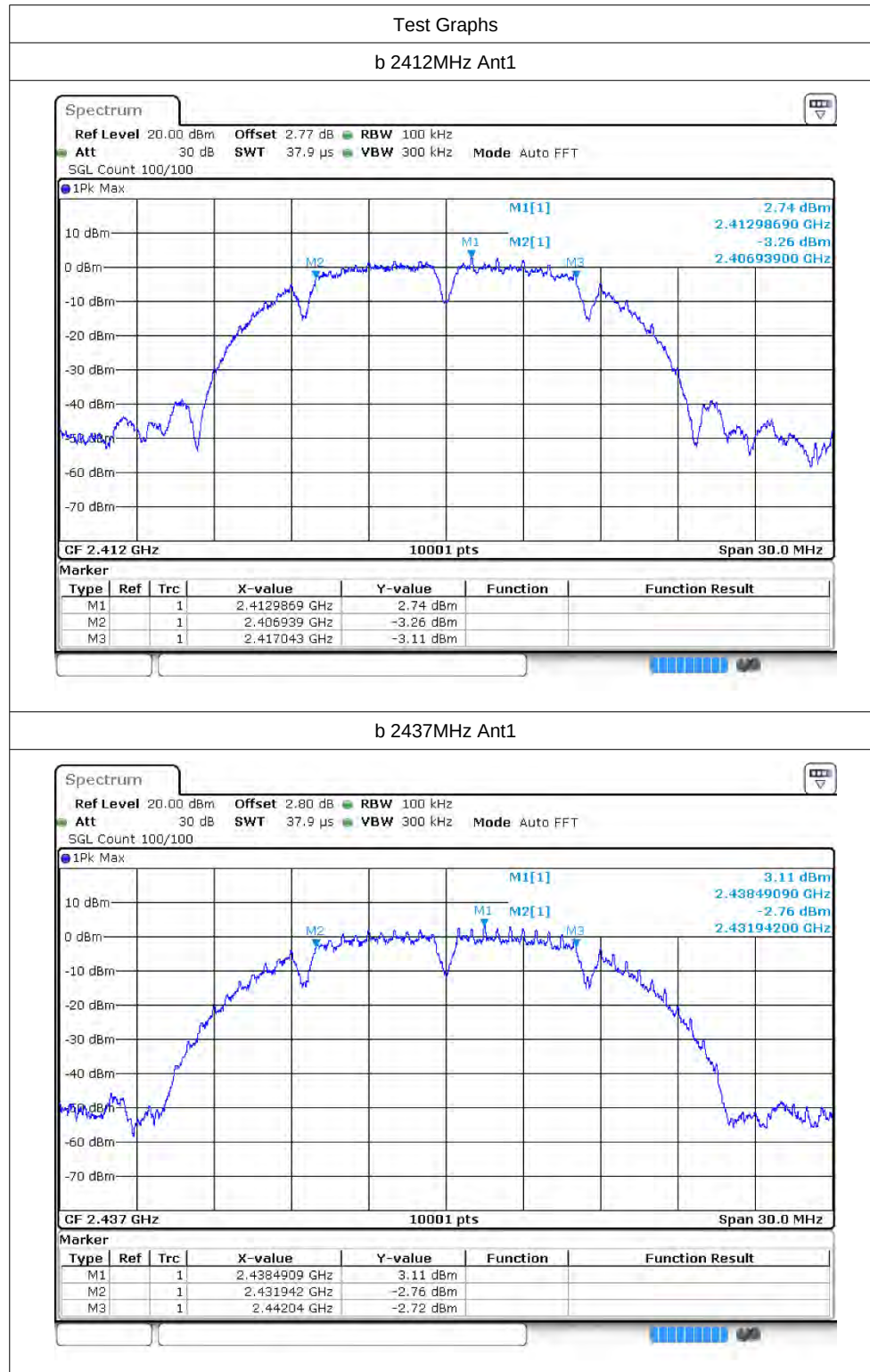


3 -6dB Bandwidth

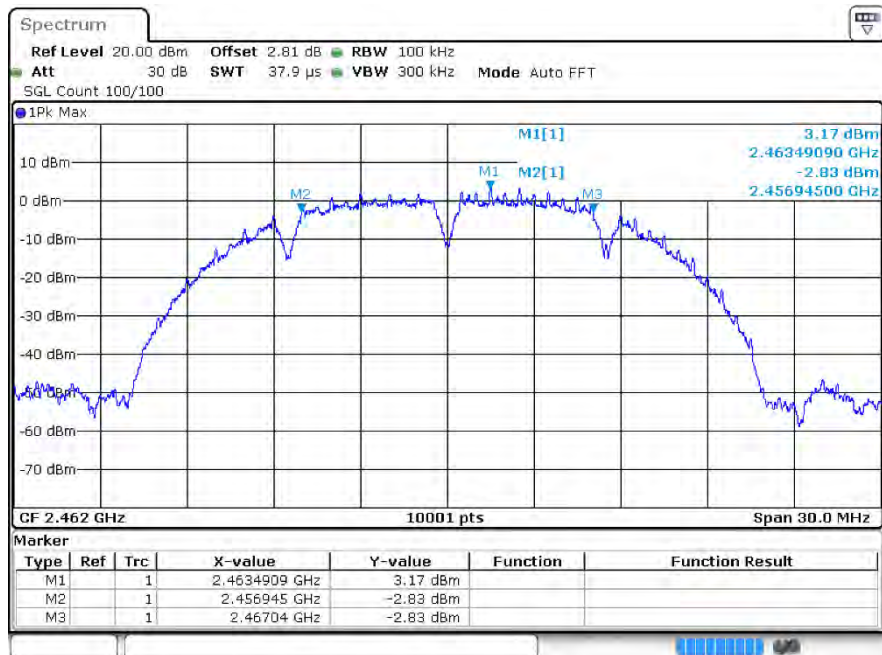
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.104	0.5	Pass
b	2437	Ant1	10.098	0.5	Pass
b	2462	Ant1	10.095	0.5	Pass
g	2412	Ant1	16.404	0.5	Pass
g	2437	Ant1	16.434	0.5	Pass
g	2462	Ant1	16.332	0.5	Pass
n20	2412	Ant1	17.658	0.5	Pass
n20	2437	Ant1	17.631	0.5	Pass
n20	2462	Ant1	17.655	0.5	Pass
n40	2422	Ant1	36.324	0.5	Pass
n40	2437	Ant1	36.318	0.5	Pass
n40	2452	Ant1	36.462	0.5	Pass
ax20	2412	Ant1	19.008	0.5	Pass
ax20	2437	Ant1	18.936	0.5	Pass
ax20	2462	Ant1	18.999	0.5	Pass
ax40	2422	Ant1	37.122	0.5	Pass
ax40	2437	Ant1	37.8	0.5	Pass
ax40	2452	Ant1	38.064	0.5	Pass
b	2412	Ant2	11.073	0.5	Pass
b	2437	Ant2	11.073	0.5	Pass
b	2462	Ant2	10.098	0.5	Pass
g	2412	Ant2	16.449	0.5	Pass
g	2437	Ant2	16.506	0.5	Pass
g	2462	Ant2	16.347	0.5	Pass
n20	2412	Ant2	17.631	0.5	Pass
n20	2437	Ant2	17.655	0.5	Pass
n20	2462	Ant2	17.556	0.5	Pass
n40	2422	Ant2	36.348	0.5	Pass
n40	2437	Ant2	35.448	0.5	Pass
n40	2452	Ant2	36.366	0.5	Pass
ax20	2412	Ant2	18.993	0.5	Pass
ax20	2437	Ant2	18.984	0.5	Pass
ax20	2462	Ant2	19.026	0.5	Pass
ax40	2422	Ant2	38.088	0.5	Pass
ax40	2437	Ant2	37.998	0.5	Pass
ax40	2452	Ant2	36.876	0.5	Pass

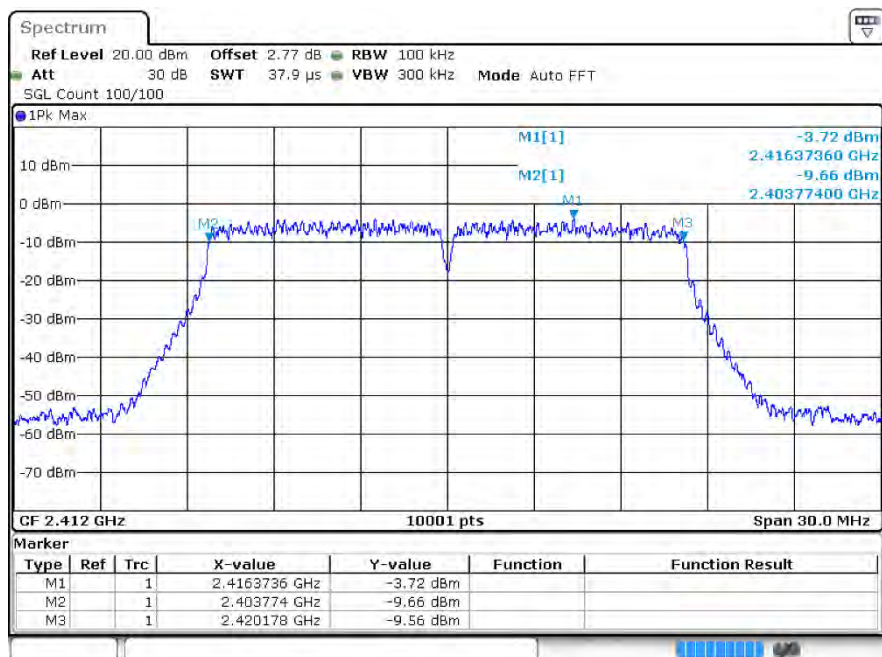
3.2 Test Graphs



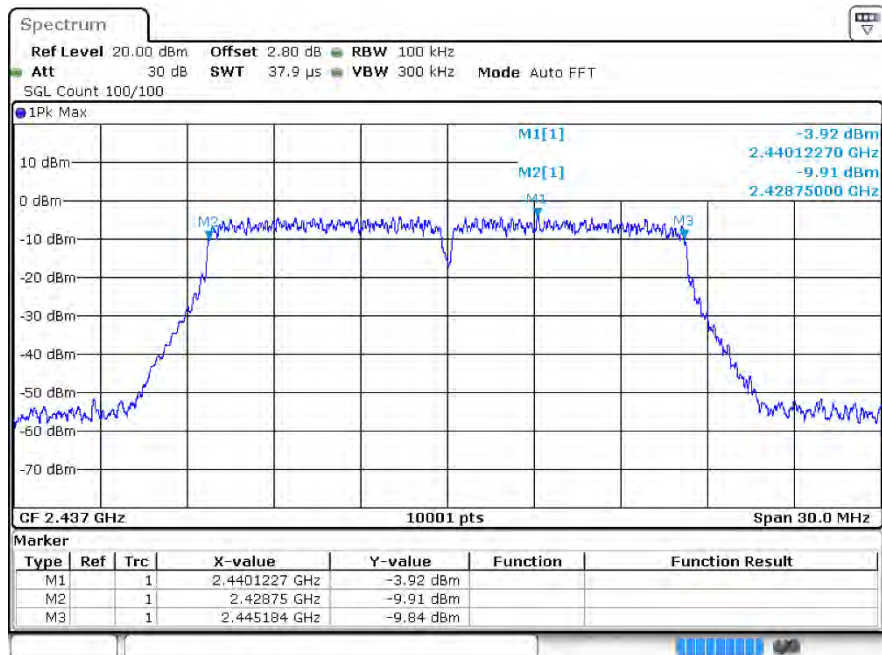
b 2462MHz Ant1



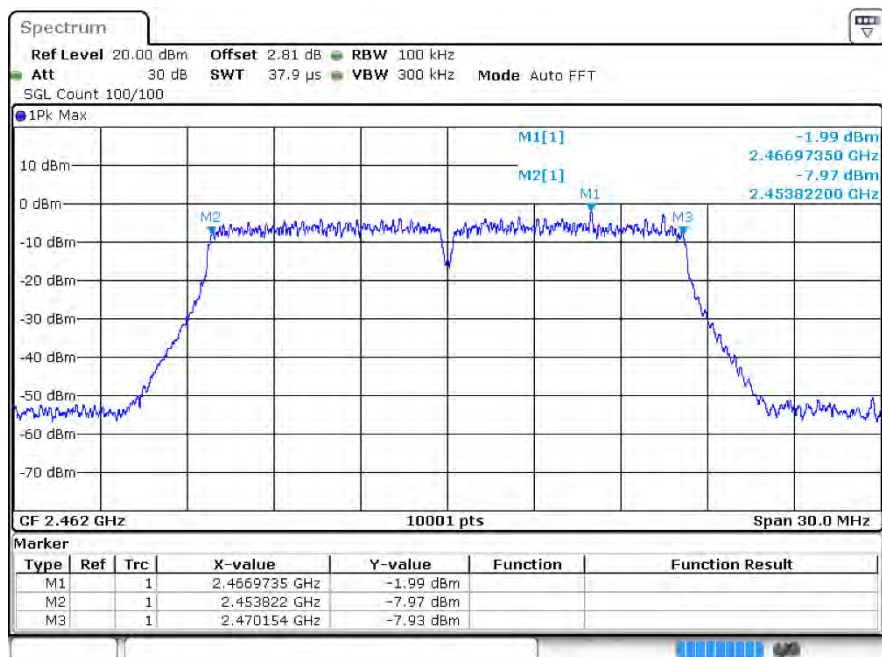
g 2412MHz Ant1



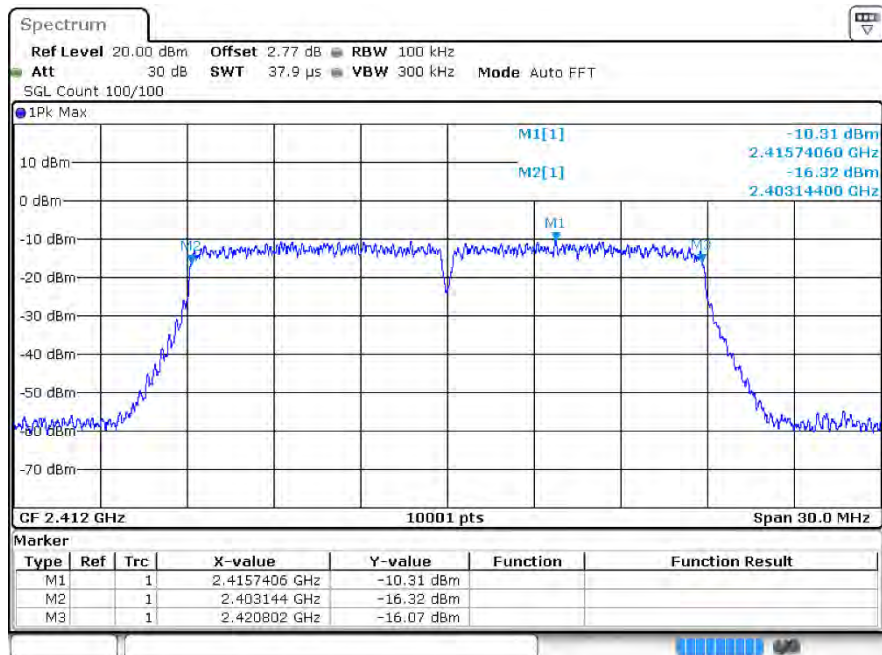
g 2437MHz Ant1



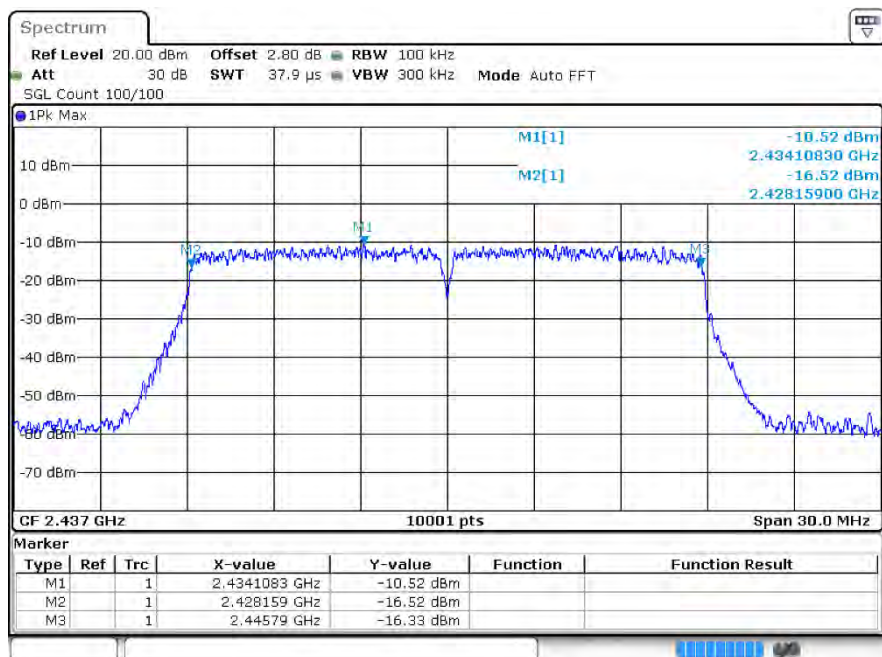
g 2462MHz Ant1



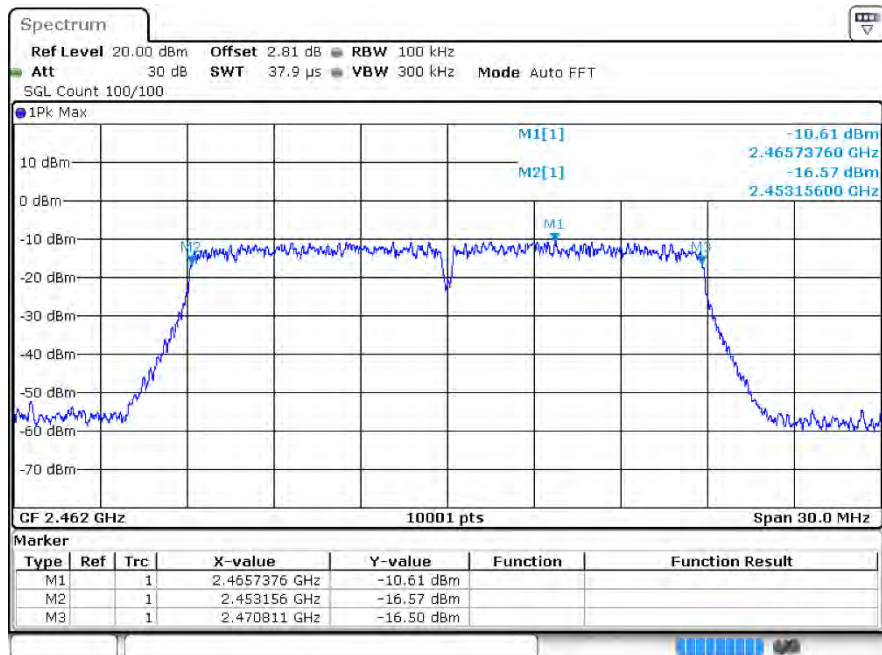
n20 2412MHz Ant1



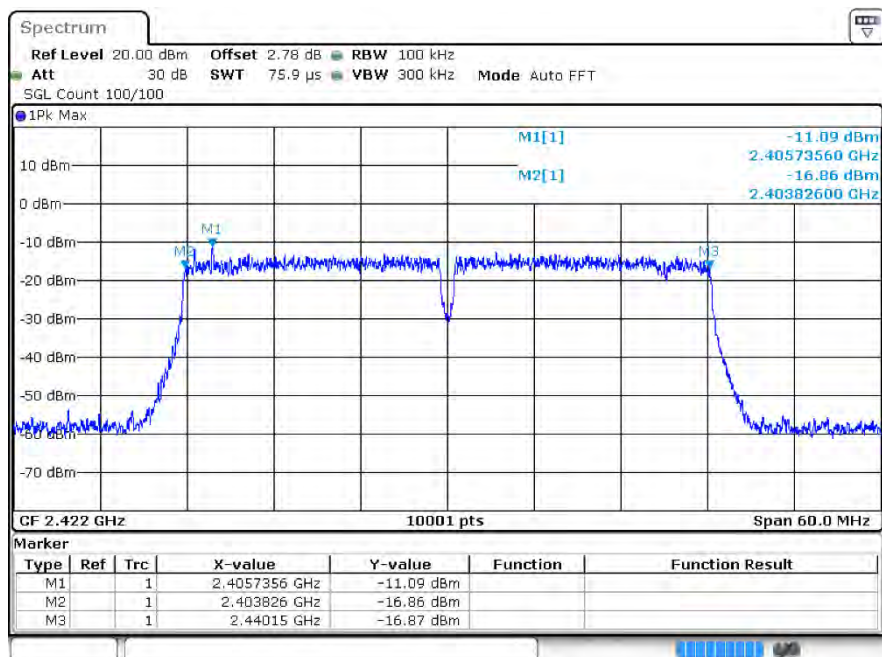
n20 2437MHz Ant1



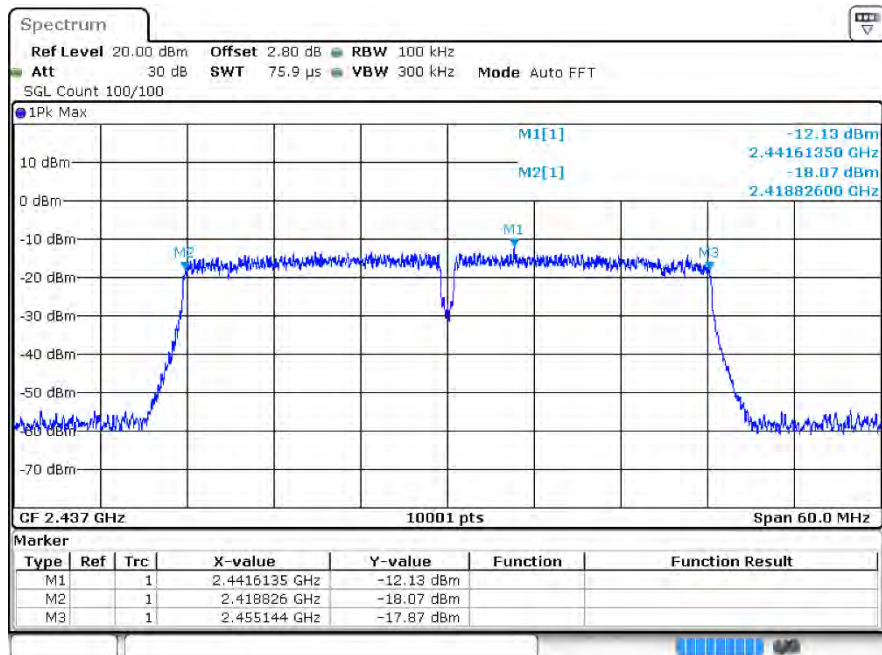
n20 2462MHz Ant1



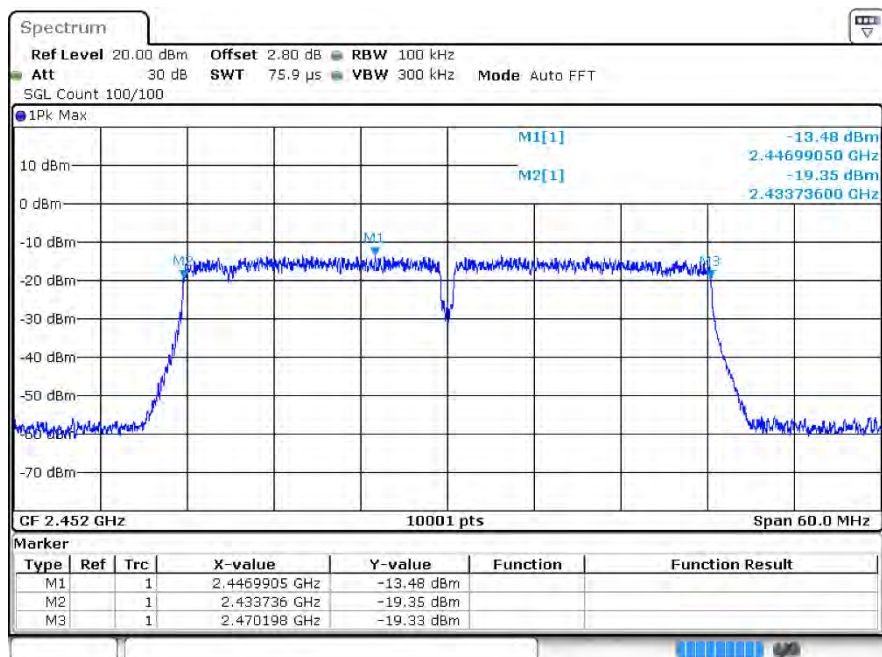
n40 2422MHz Ant1



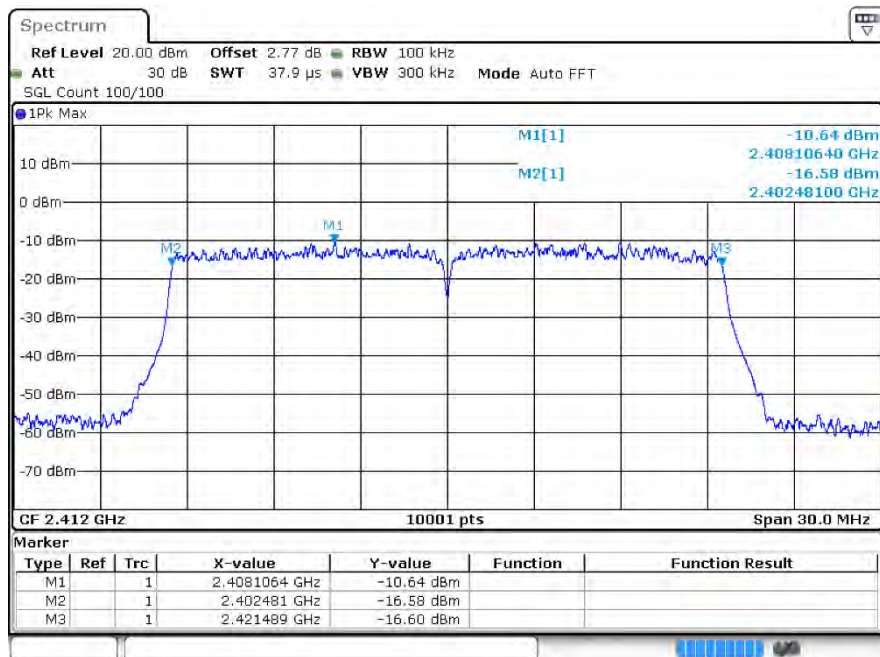
n40 2437MHz Ant1



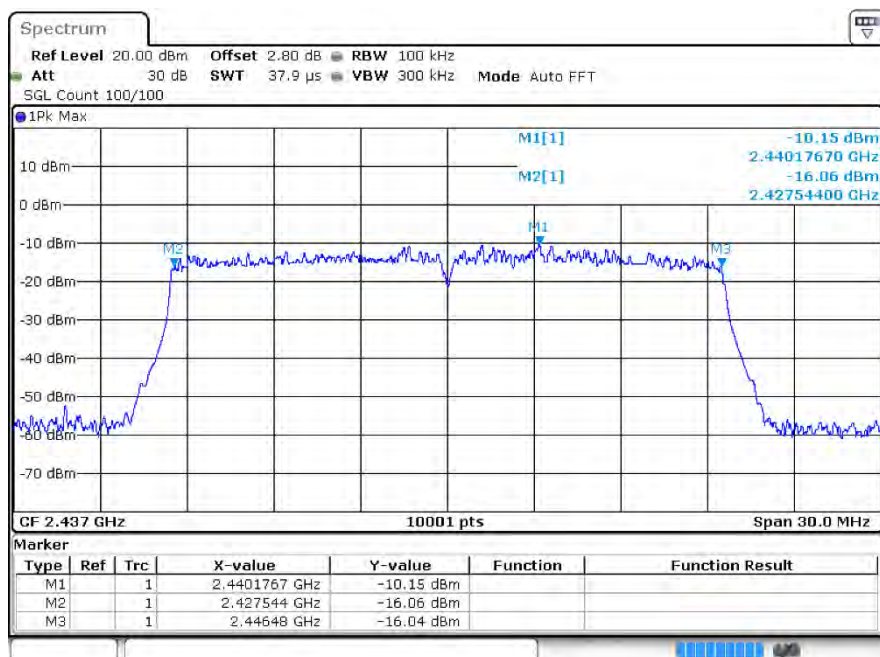
n40 2452MHz Ant1



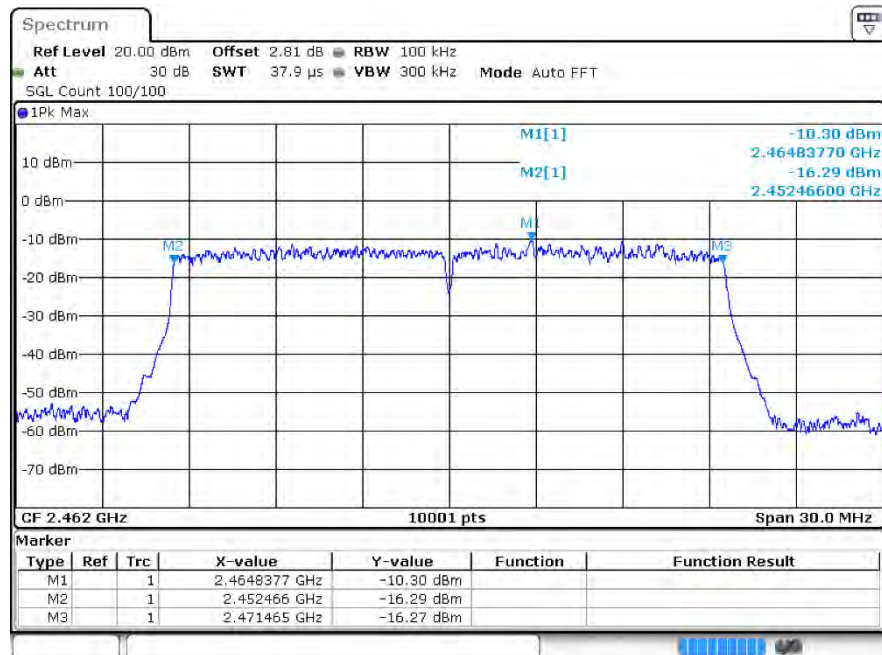
ax20 2412MHz Ant1



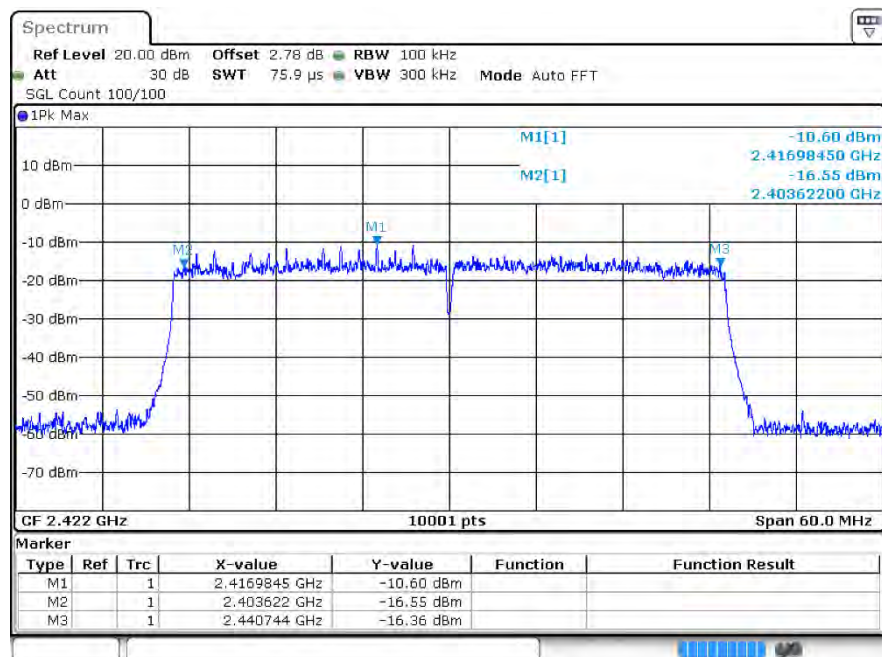
ax20 2437MHz Ant1



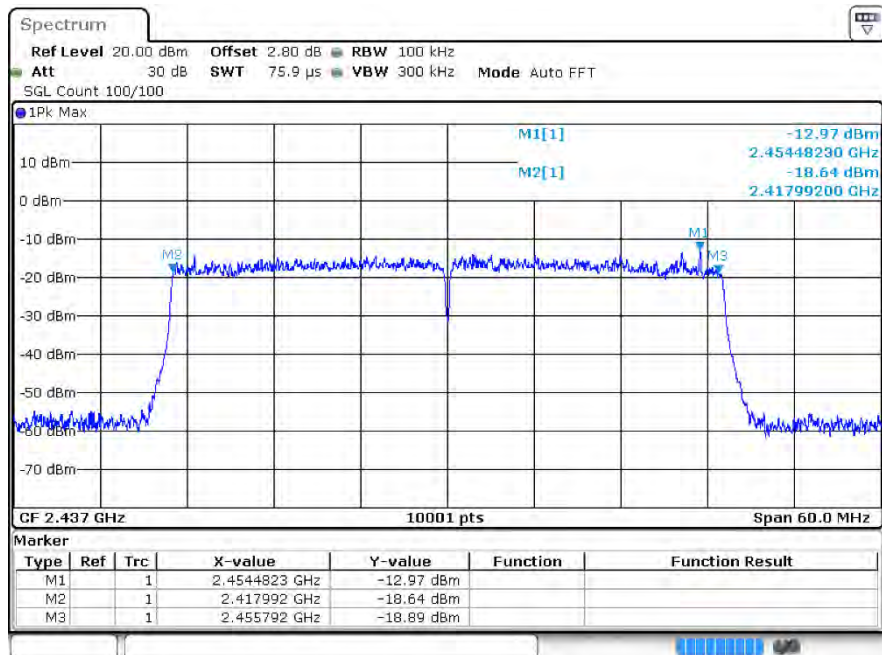
ax20 2462MHz Ant1



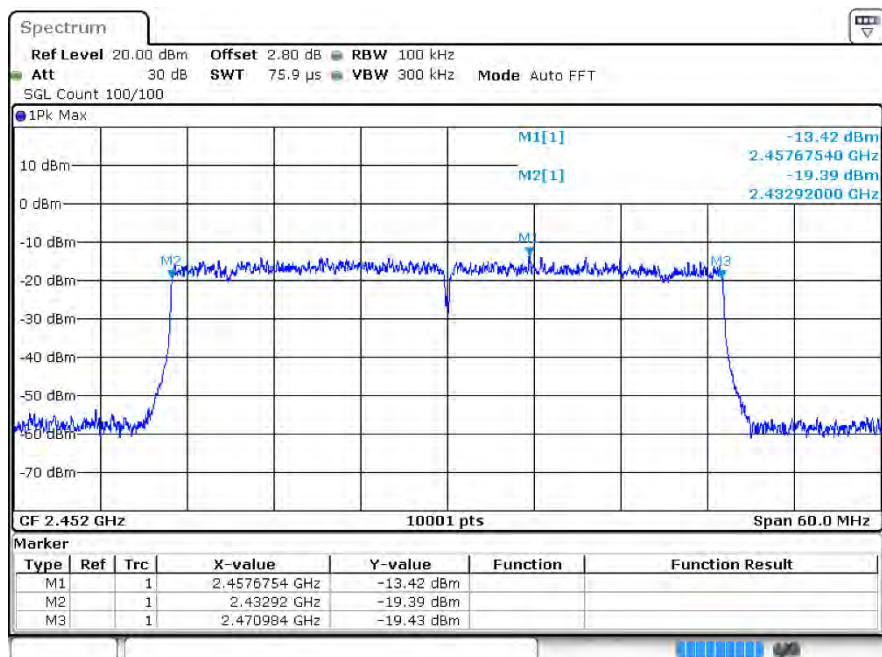
ax40 2422MHz Ant1



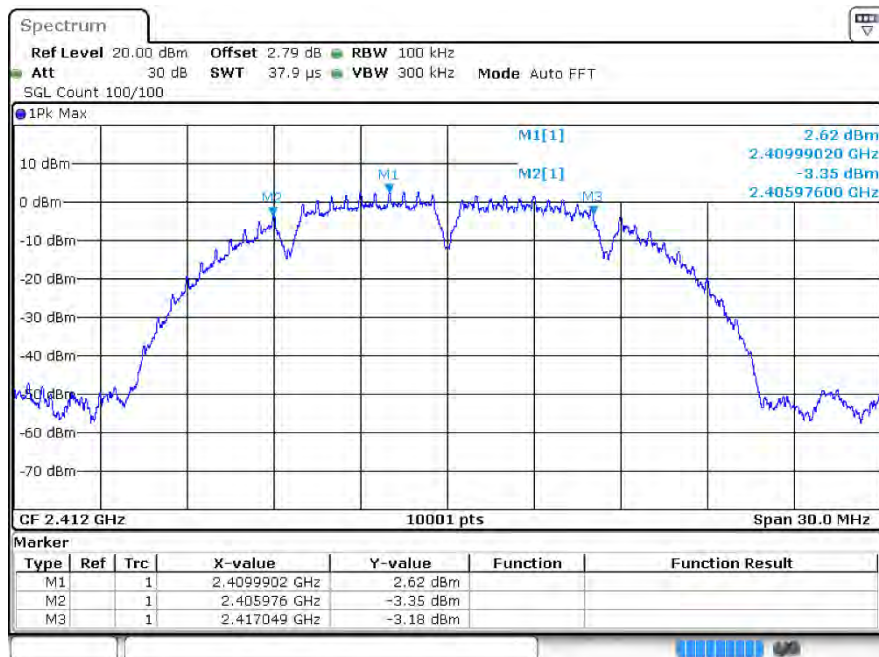
ax40 2437MHz Ant1



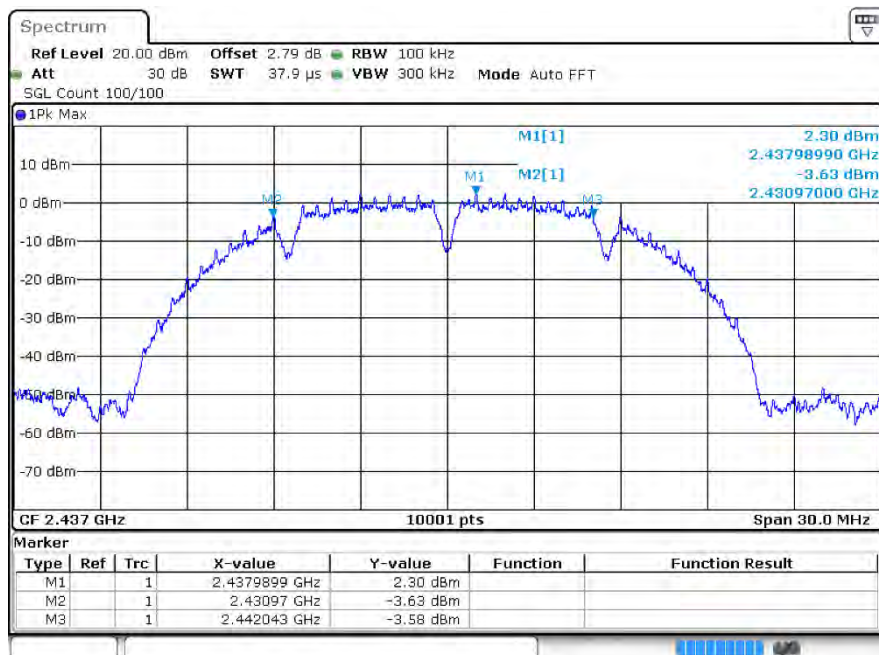
ax40 2452MHz Ant1



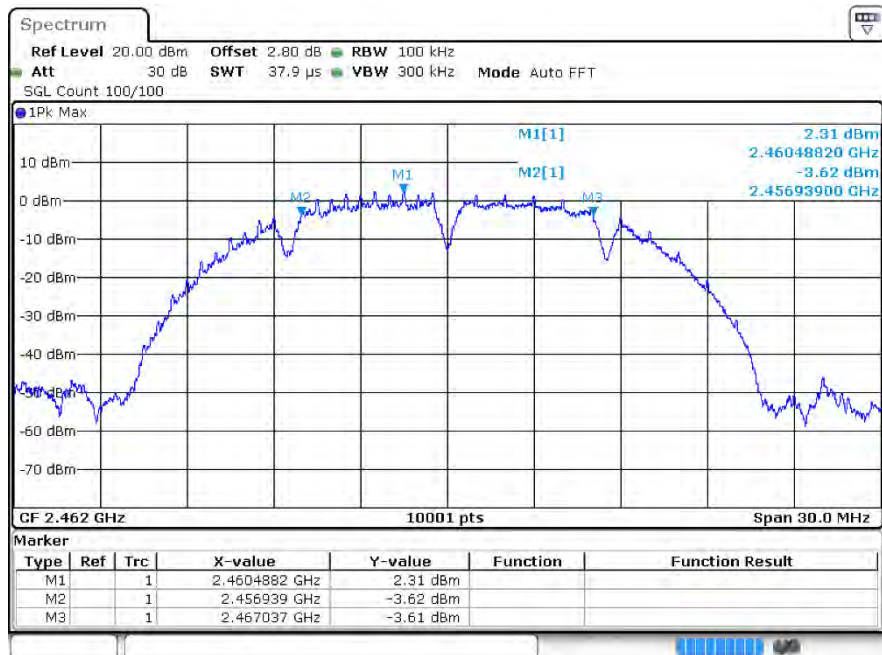
b 2412MHz Ant2



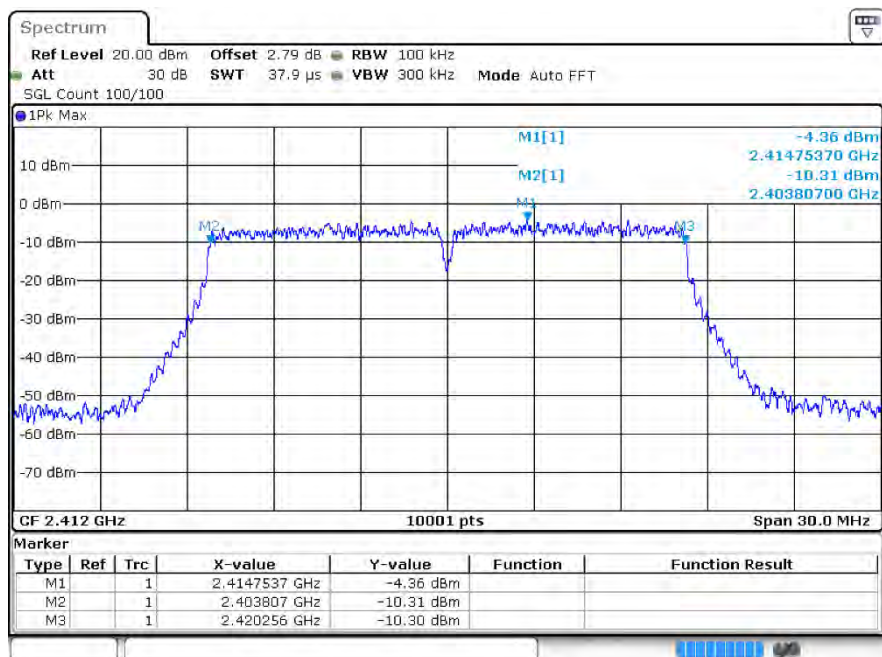
b 2437MHz Ant2



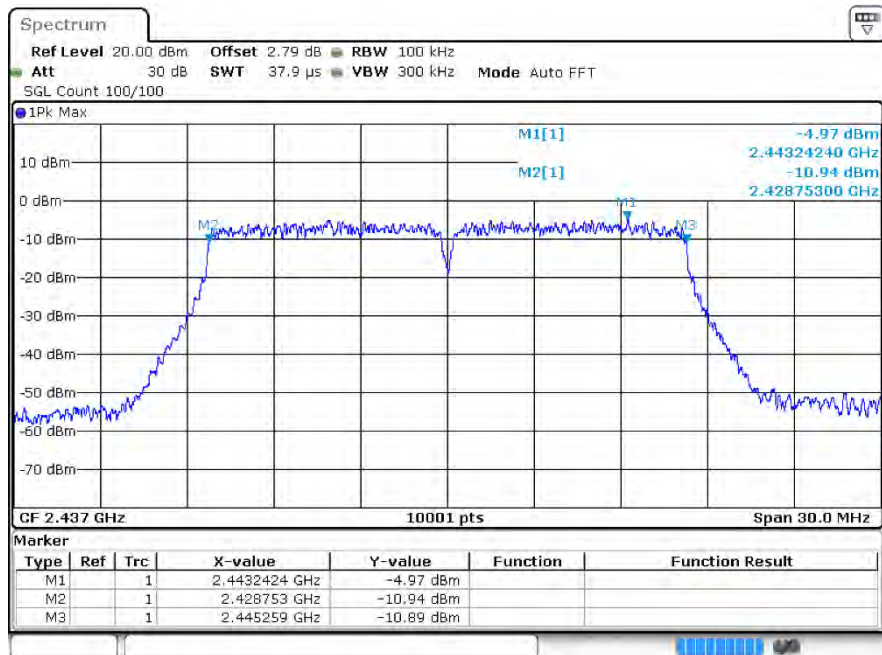
b 2462MHz Ant2



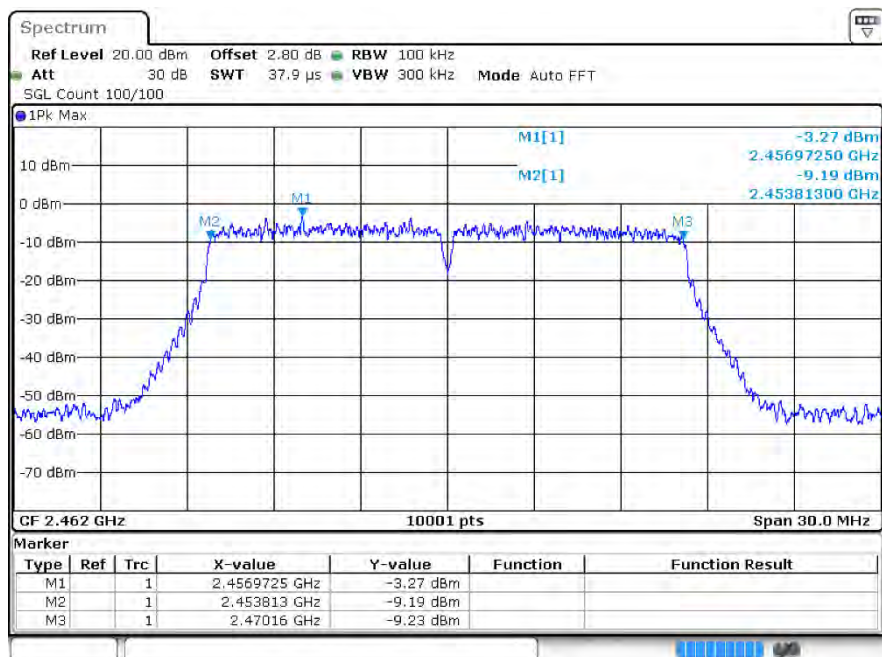
g 2412MHz Ant2



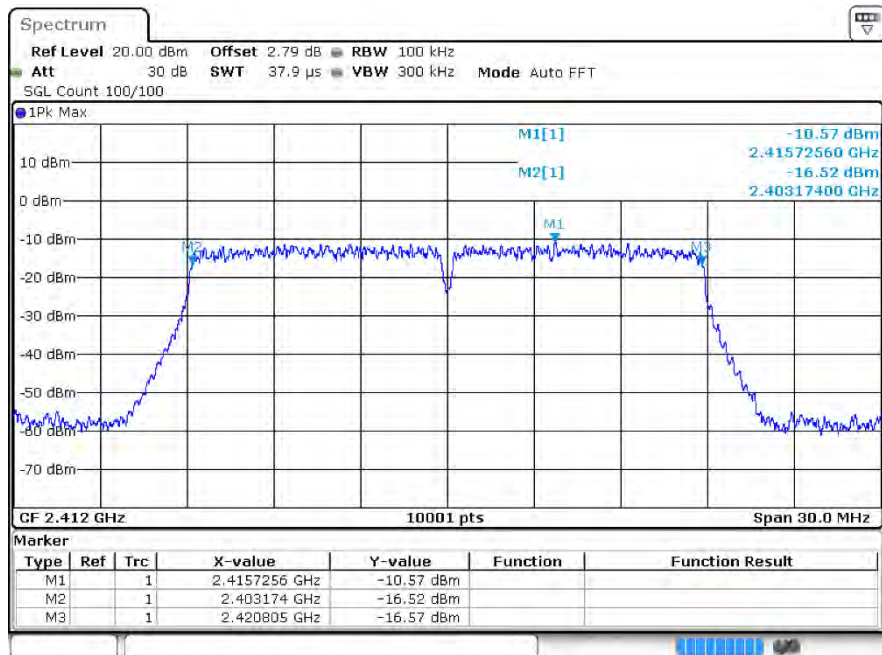
g 2437MHz Ant2



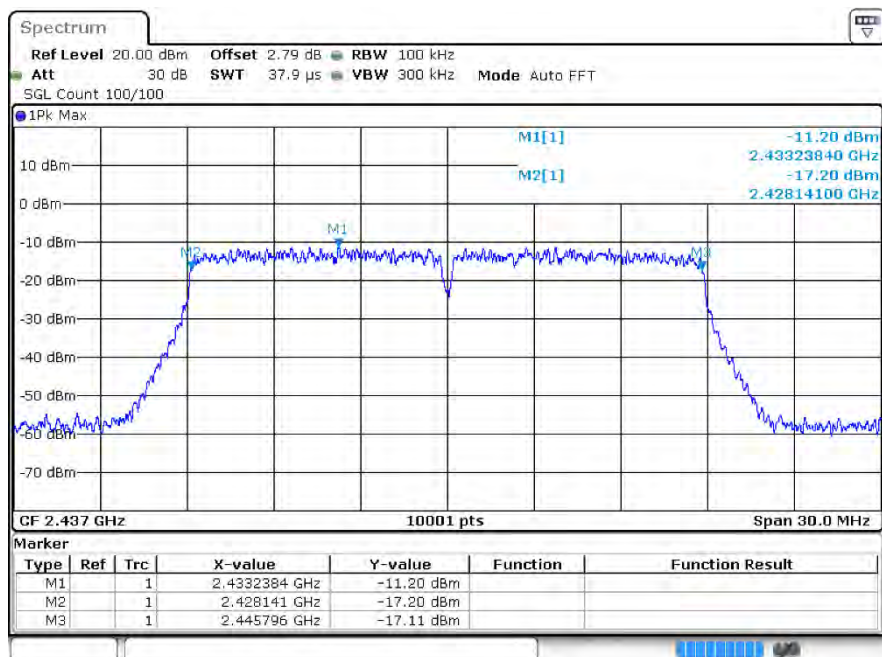
g 2462MHz Ant2

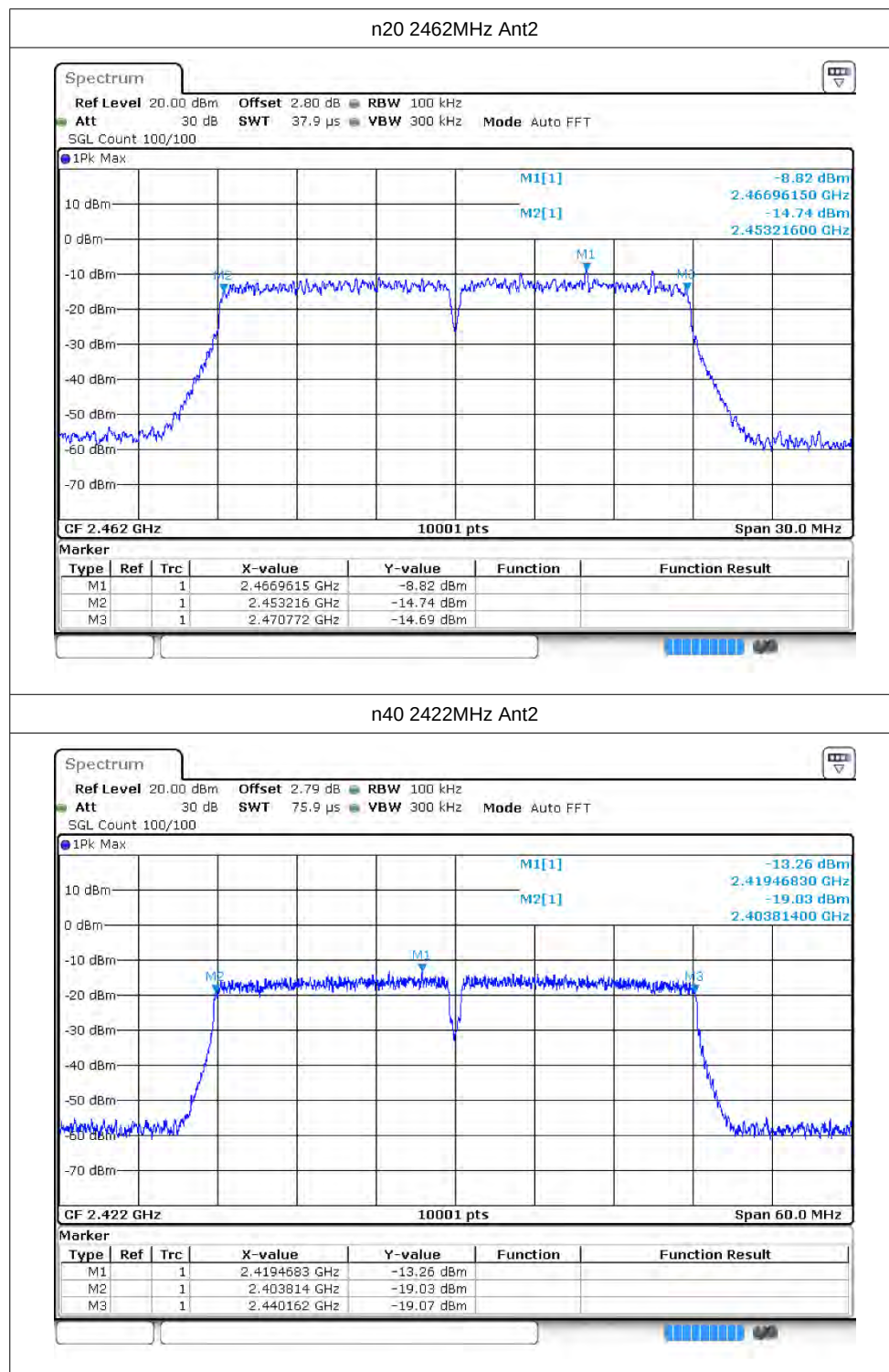


n20 2412MHz Ant2

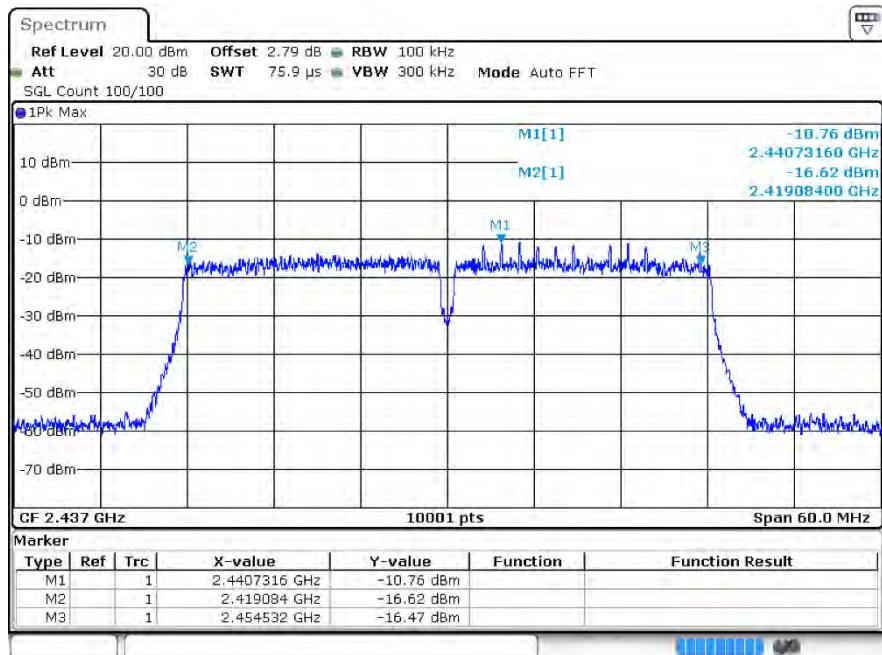


n20 2437MHz Ant2

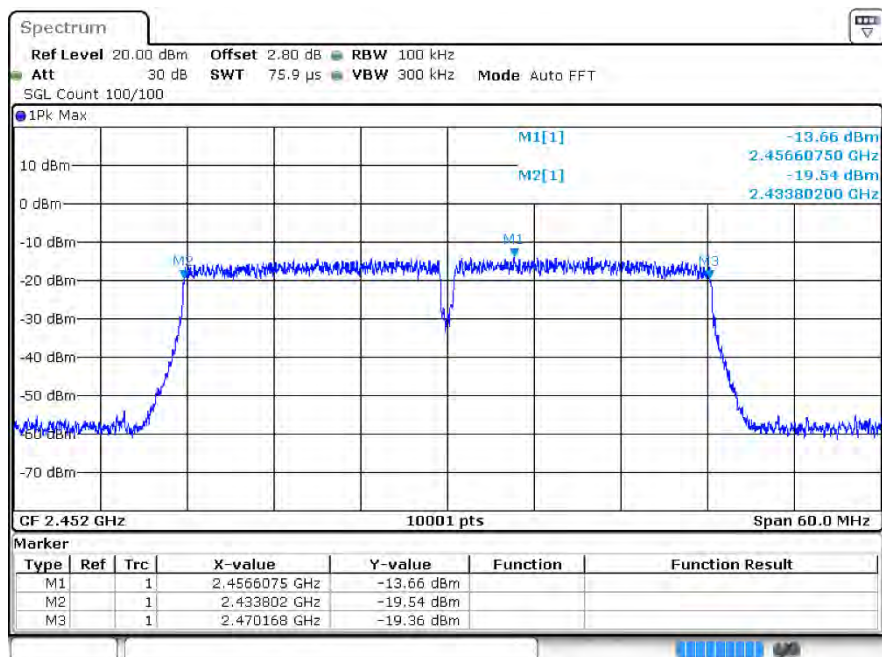




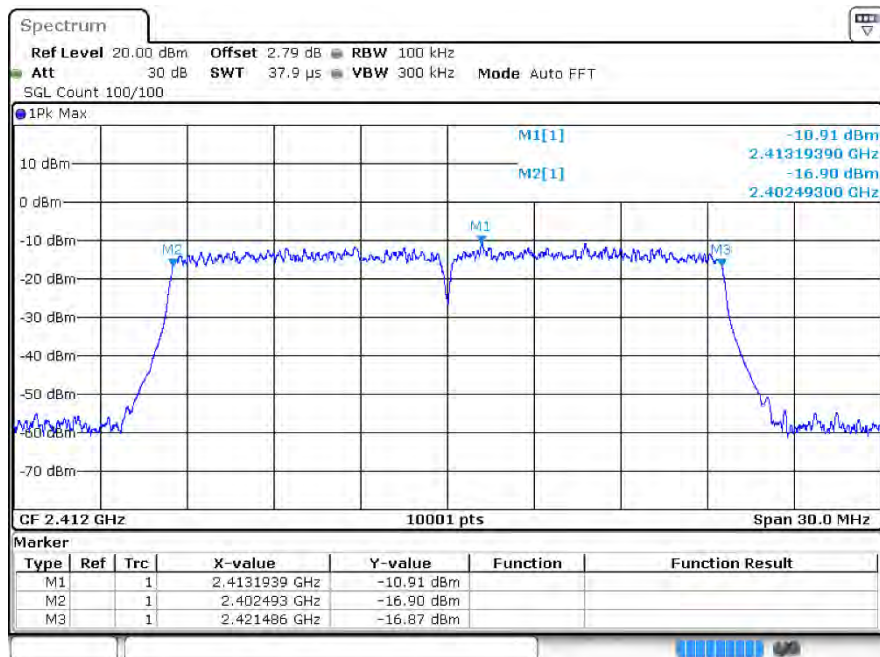
n40 2437MHz Ant2



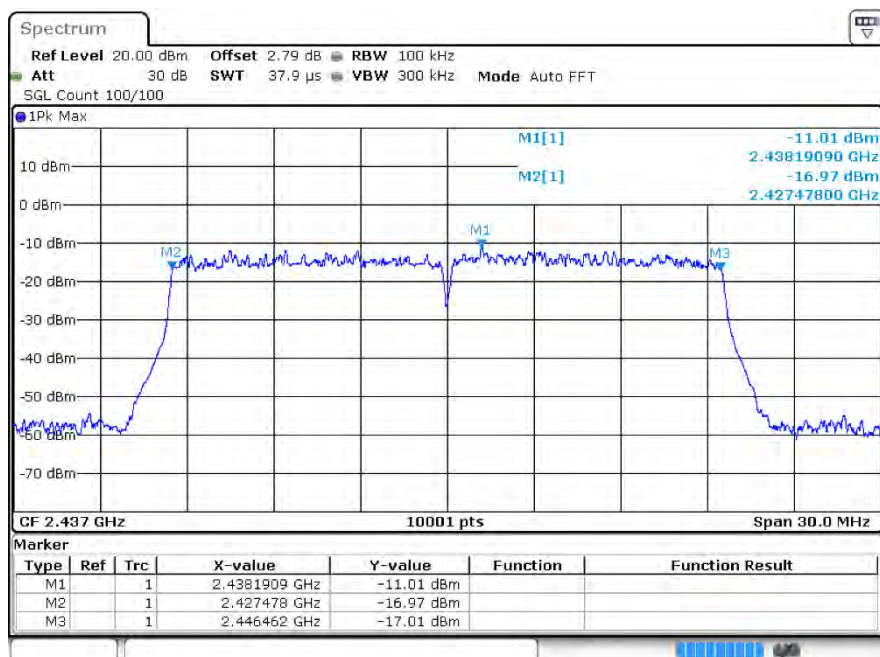
n40 2452MHz Ant2



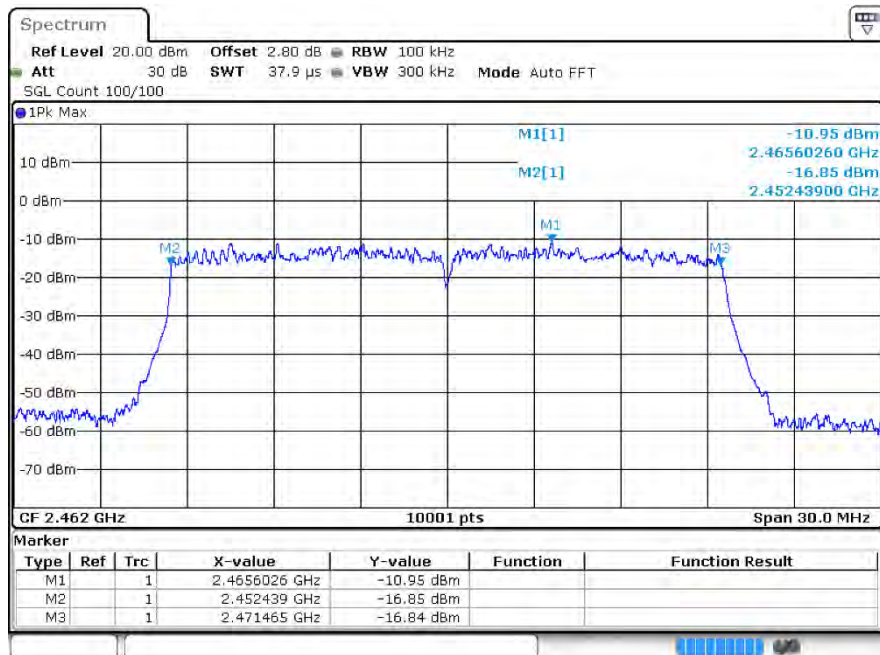
ax20 2412MHz Ant2



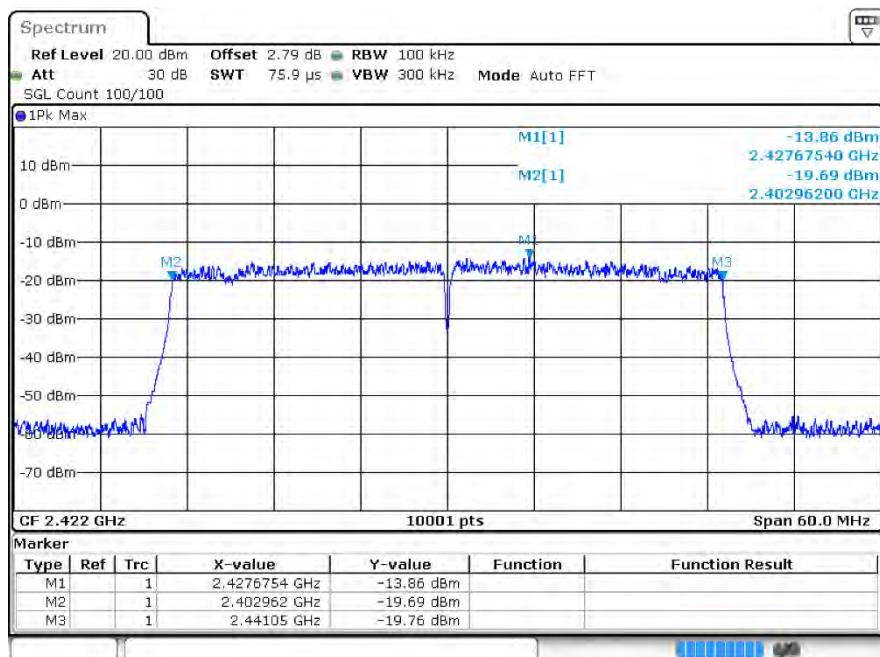
ax20 2437MHz Ant2



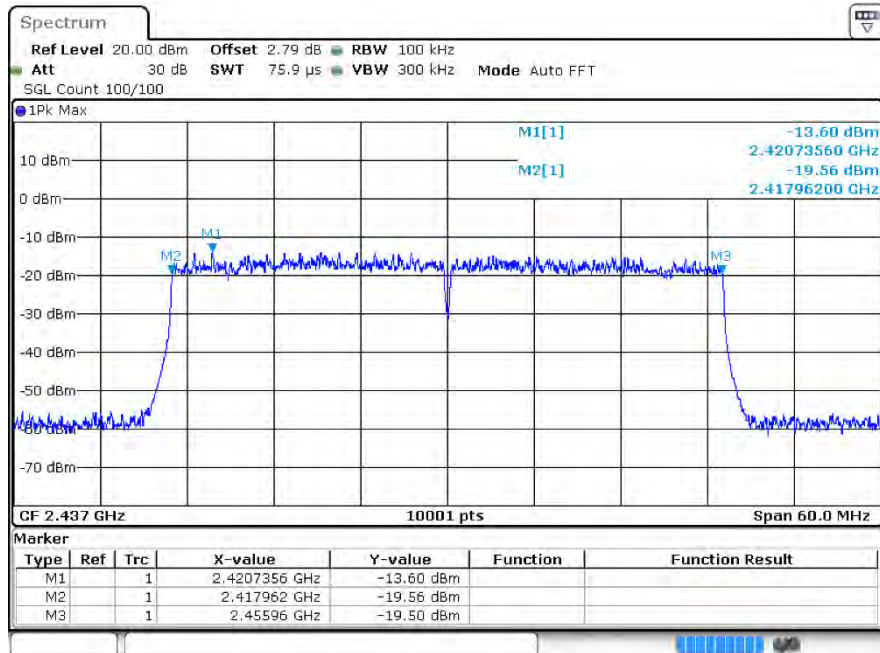
ax20 2462MHz Ant2



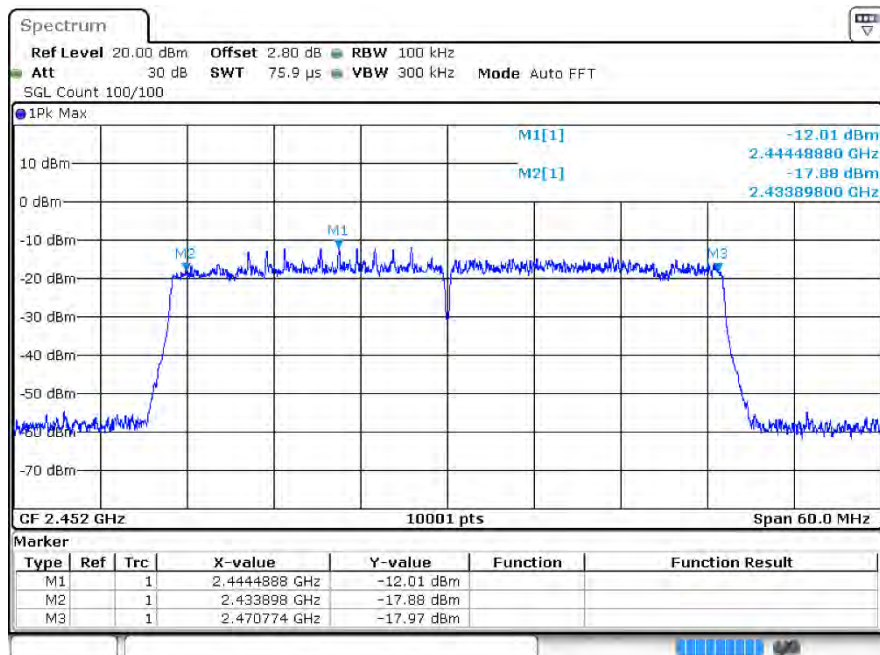
ax40 2422MHz Ant2



ax40 2437MHz Ant2



ax40 2452MHz Ant2



4 Maximum Power Spectral Density Level

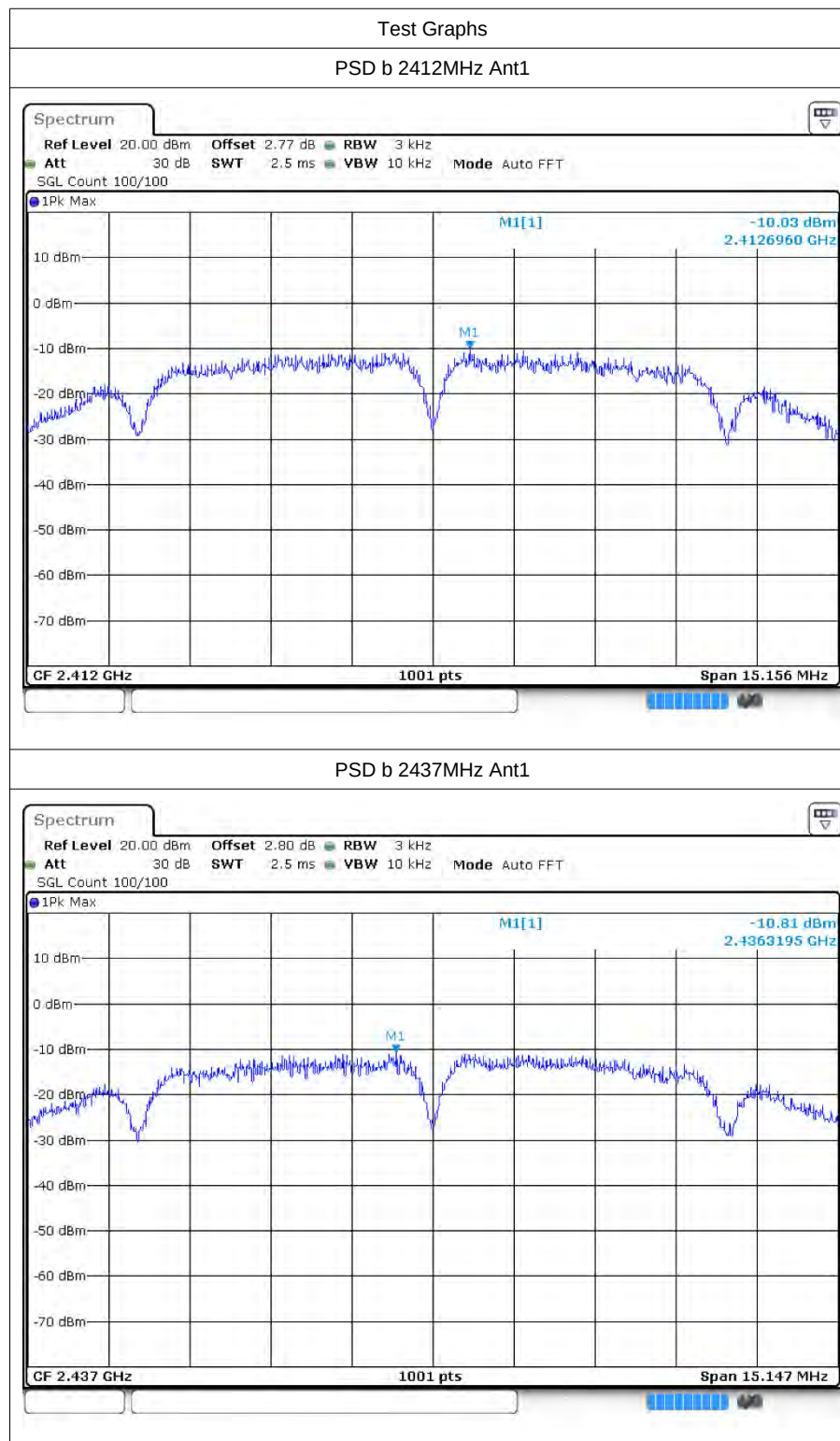
4.1 Test Result

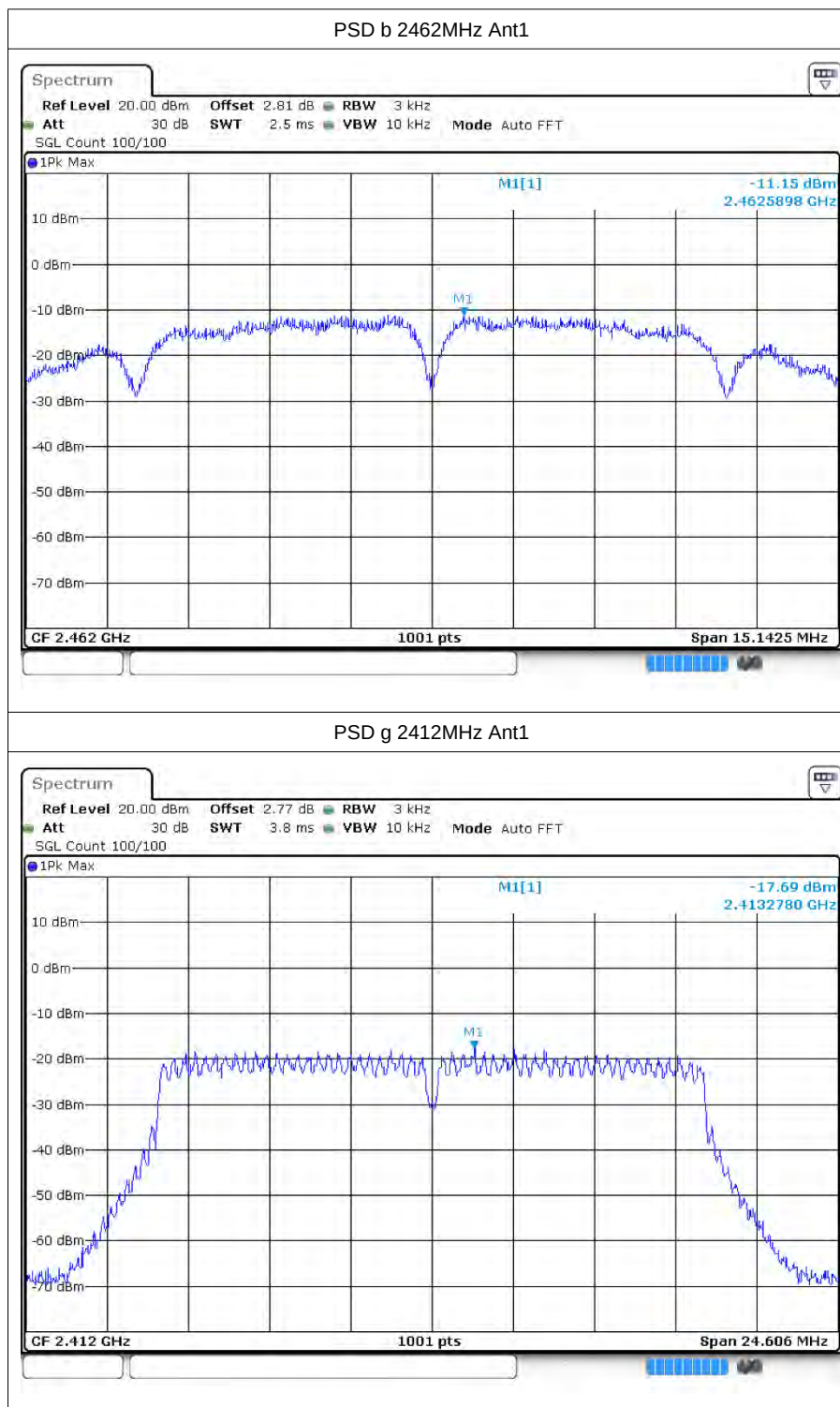
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-10.03	≤8	Pass
b	2437	Ant1	-10.81	≤8	Pass
b	2462	Ant1	-11.15	≤8	Pass
g	2412	Ant1	-17.69	≤8	Pass
g	2437	Ant1	-17.34	≤8	Pass
g	2462	Ant1	-17.18	≤8	Pass
n20	2412	Ant1	-23.2	≤8	Pass
n20	2437	Ant1	-23.28	≤8	Pass
n20	2462	Ant1	-23.62	≤8	Pass
n40	2422	Ant1	-24.68	≤8	Pass
n40	2437	Ant1	-24.4	≤8	Pass
n40	2452	Ant1	-24.71	≤8	Pass
ax20	2412	Ant1	-9.93	≤8	Pass
ax20	2437	Ant1	-9.94	≤8	Pass
ax20	2462	Ant1	-8.73	≤8	Pass
ax40	2422	Ant1	-13.51	≤8	Pass
ax40	2437	Ant1	-14.05	≤8	Pass
ax40	2452	Ant1	-13.49	≤8	Pass
b	2412	Ant2	-10.86	≤8	Pass
b	2437	Ant2	-11.07	≤8	Pass
b	2462	Ant2	-11.01	≤8	Pass
g	2412	Ant2	-17.71	≤8	Pass
g	2437	Ant2	-18.96	≤8	Pass
g	2462	Ant2	-18.2	≤8	Pass
n20	2412	Ant2	-23.68	≤8	Pass
n20	2437	Ant2	-23.92	≤8	Pass
n20	2462	Ant2	-23.67	≤8	Pass
n40	2422	Ant2	-25.43	≤8	Pass
n40	2437	Ant2	-26.22	≤8	Pass
n40	2452	Ant2	-25.13	≤8	Pass
ax20	2412	Ant2	-10.98	≤8	Pass
ax20	2437	Ant2	-11.52	≤8	Pass
ax20	2462	Ant2	-11.39	≤8	Pass

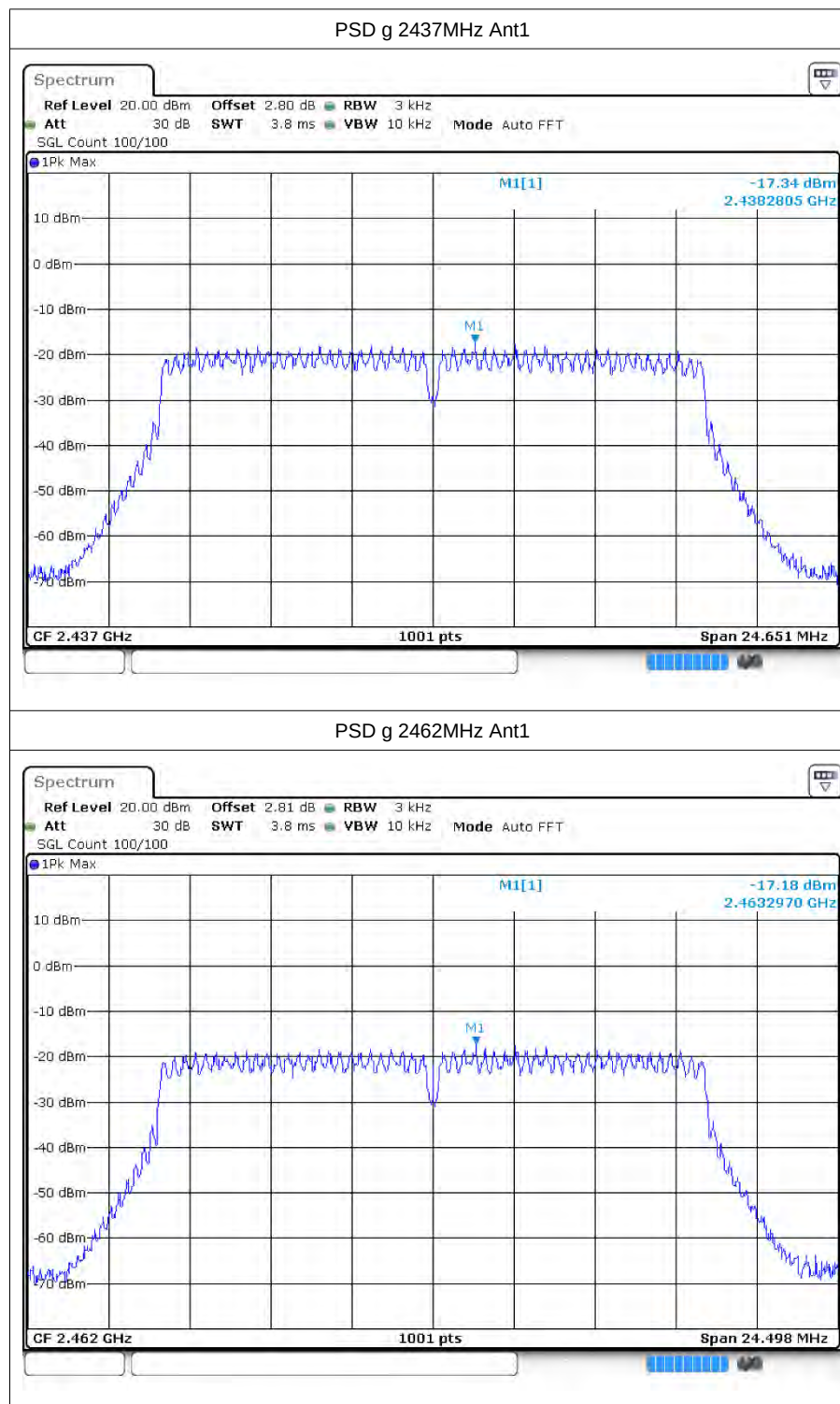


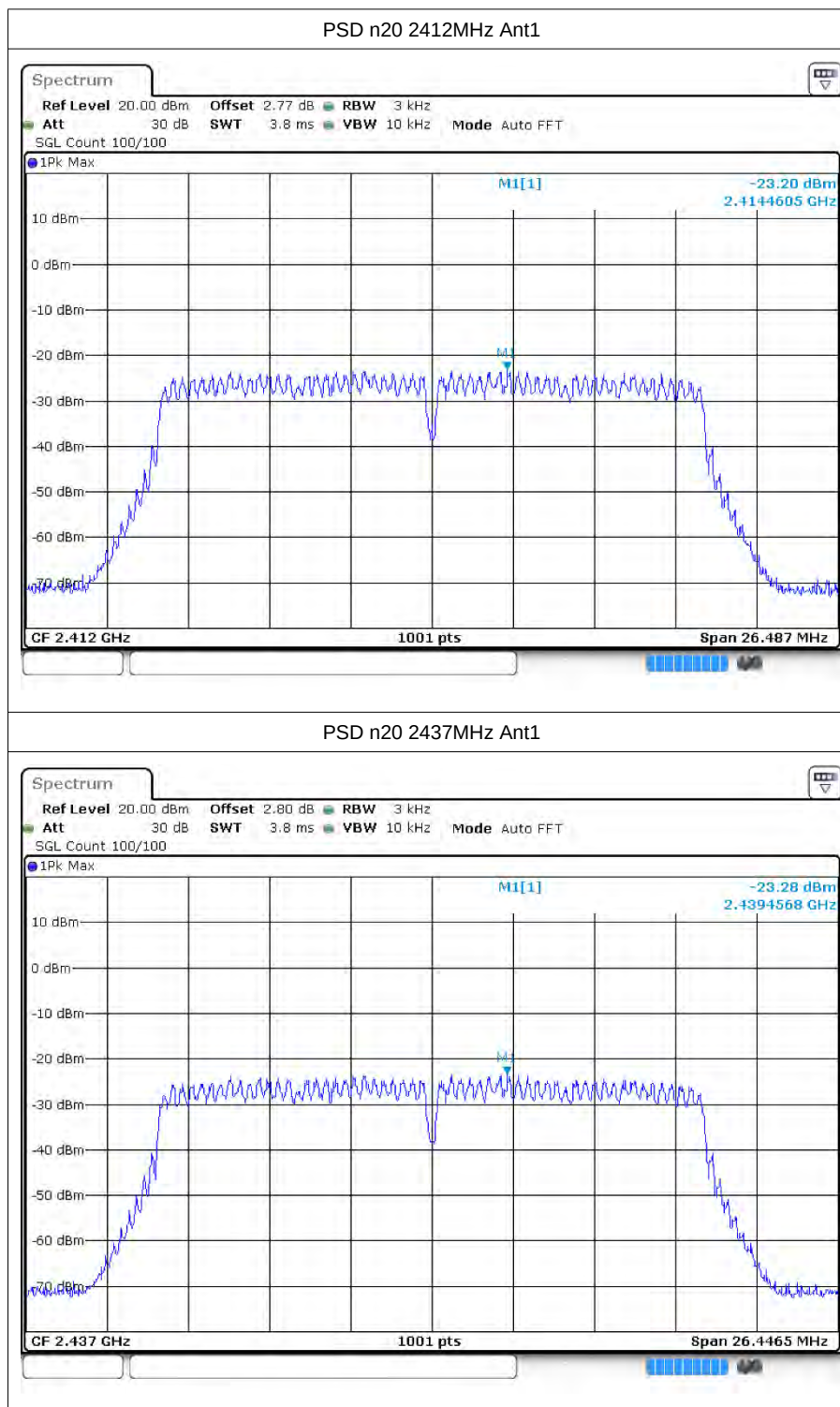
ax40	2422	Ant2	-14.28	≤8	Pass
ax40	2437	Ant2	-11.56	≤8	Pass
ax40	2452	Ant2	-14.16	≤8	Pass
n20	2412	Sum	-20.42	≤8	Pass
n20	2437	Sum	-20.58	≤8	Pass
n20	2462	Sum	-20.63	≤8	Pass
n40	2422	Sum	-22.03	≤8	Pass
n40	2437	Sum	-22.21	≤8	Pass
n40	2452	Sum	-21.90	≤8	Pass
ax20	2412	Sum	-7.41	≤8	Pass
ax20	2437	Sum	-7.65	≤8	Pass
ax20	2462	Sum	-6.85	≤8	Pass
ax40	2422	Sum	-10.87	≤8	Pass
ax40	2437	Sum	-9.62	≤8	Pass
ax40	2452	Sum	-10.80	≤8	Pass

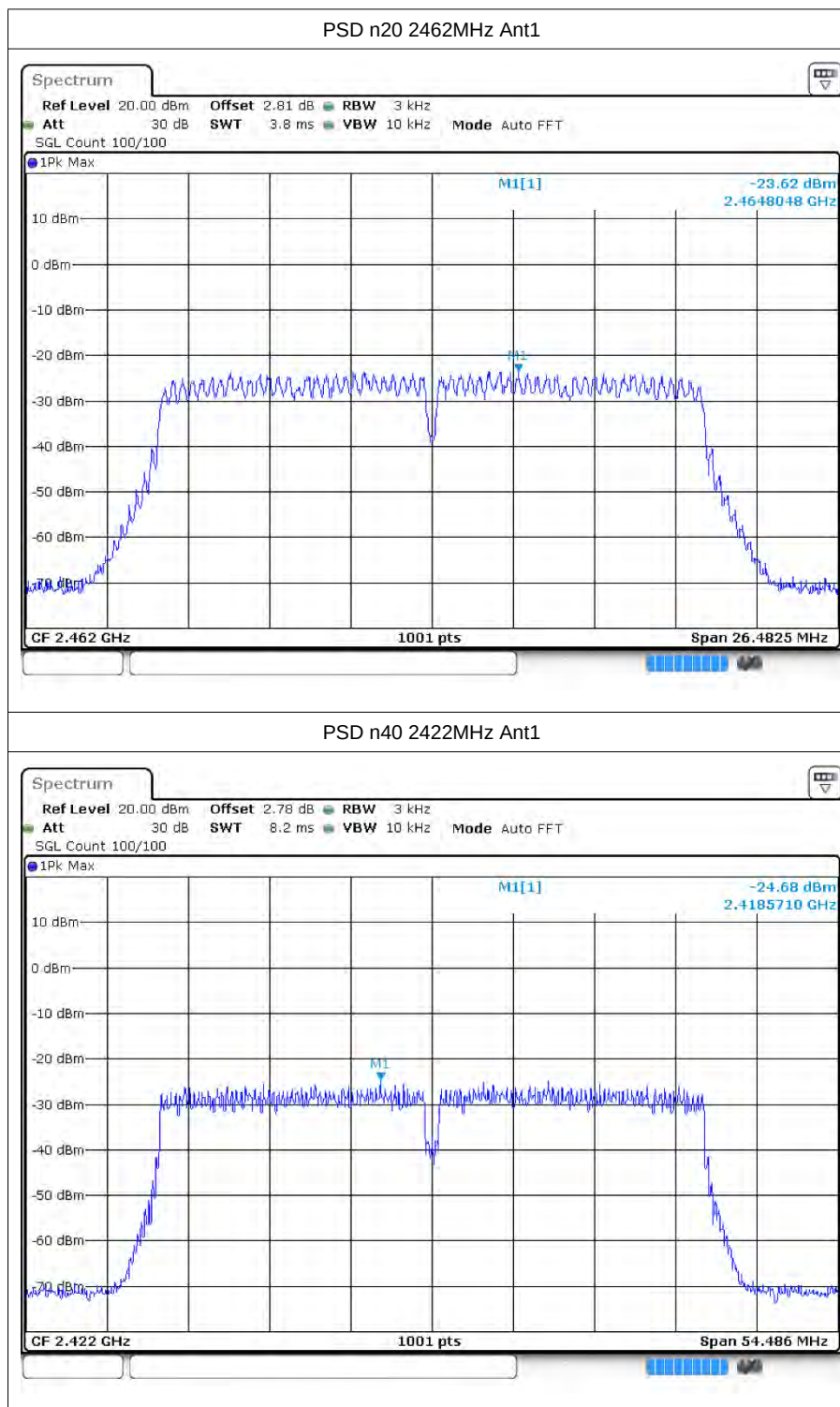
4.2 Test Graphs

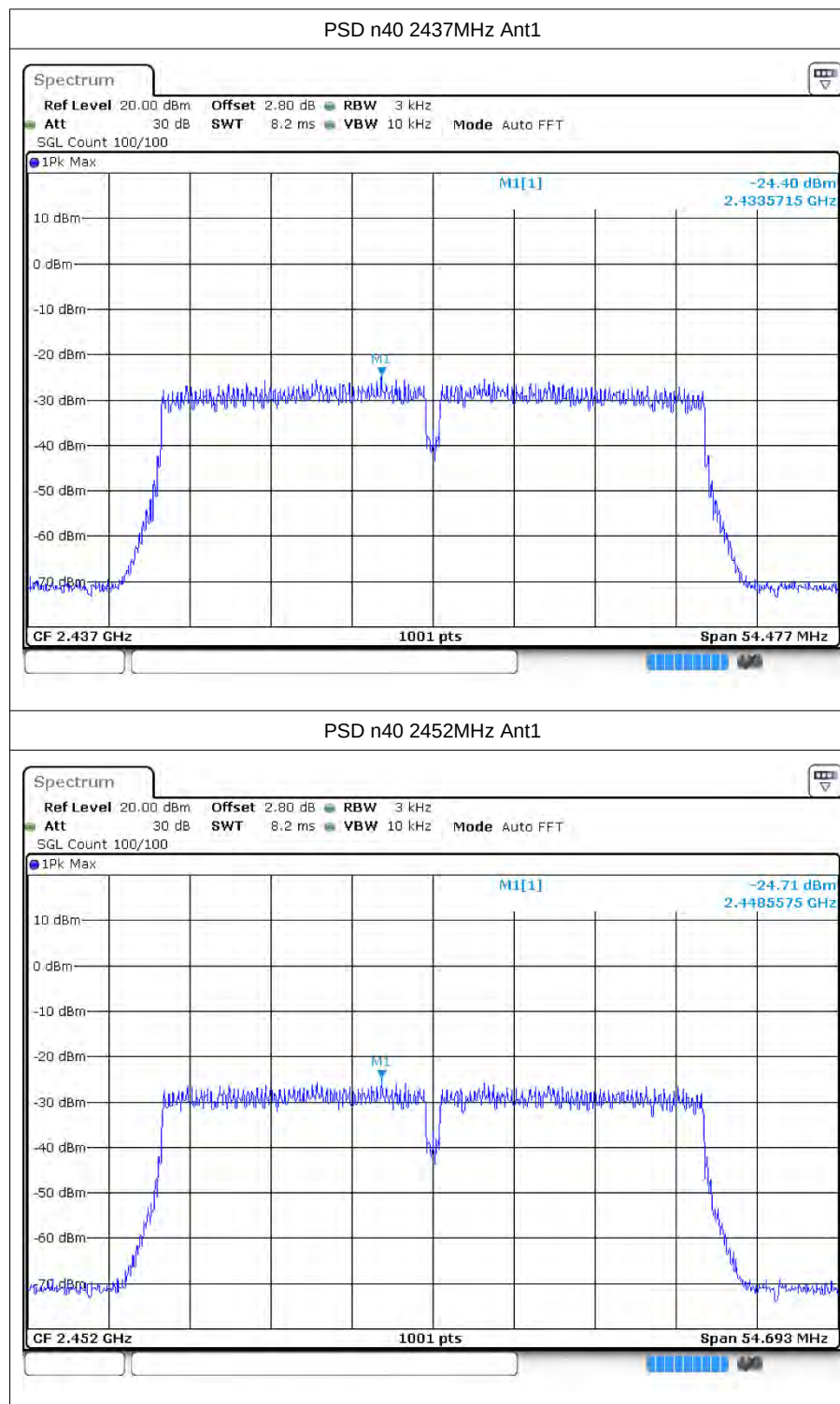




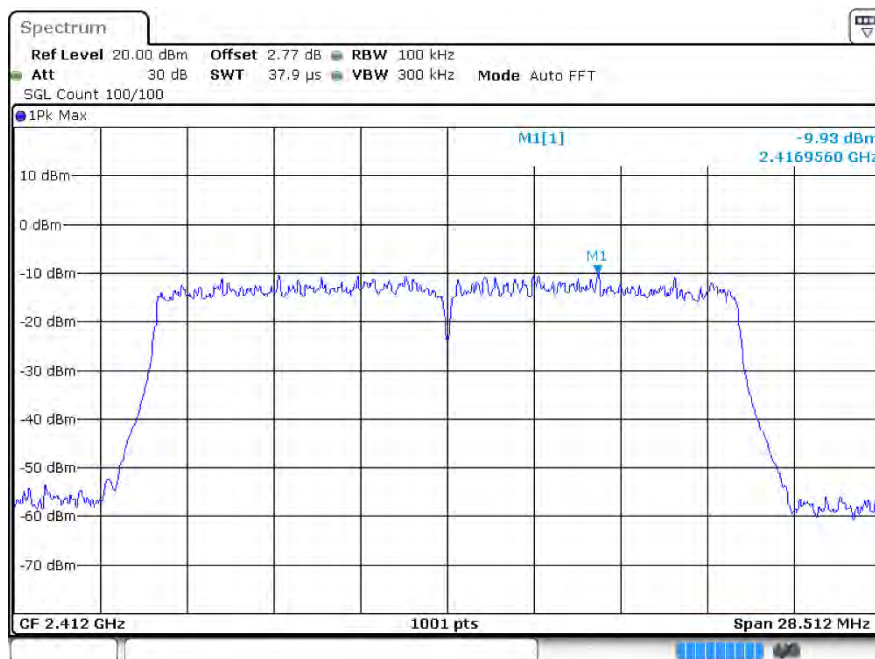




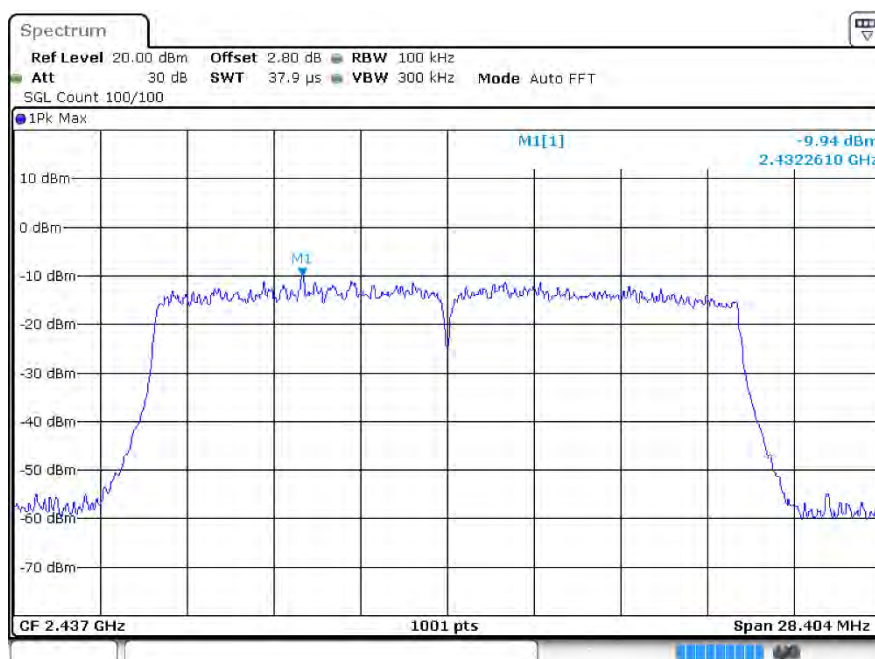


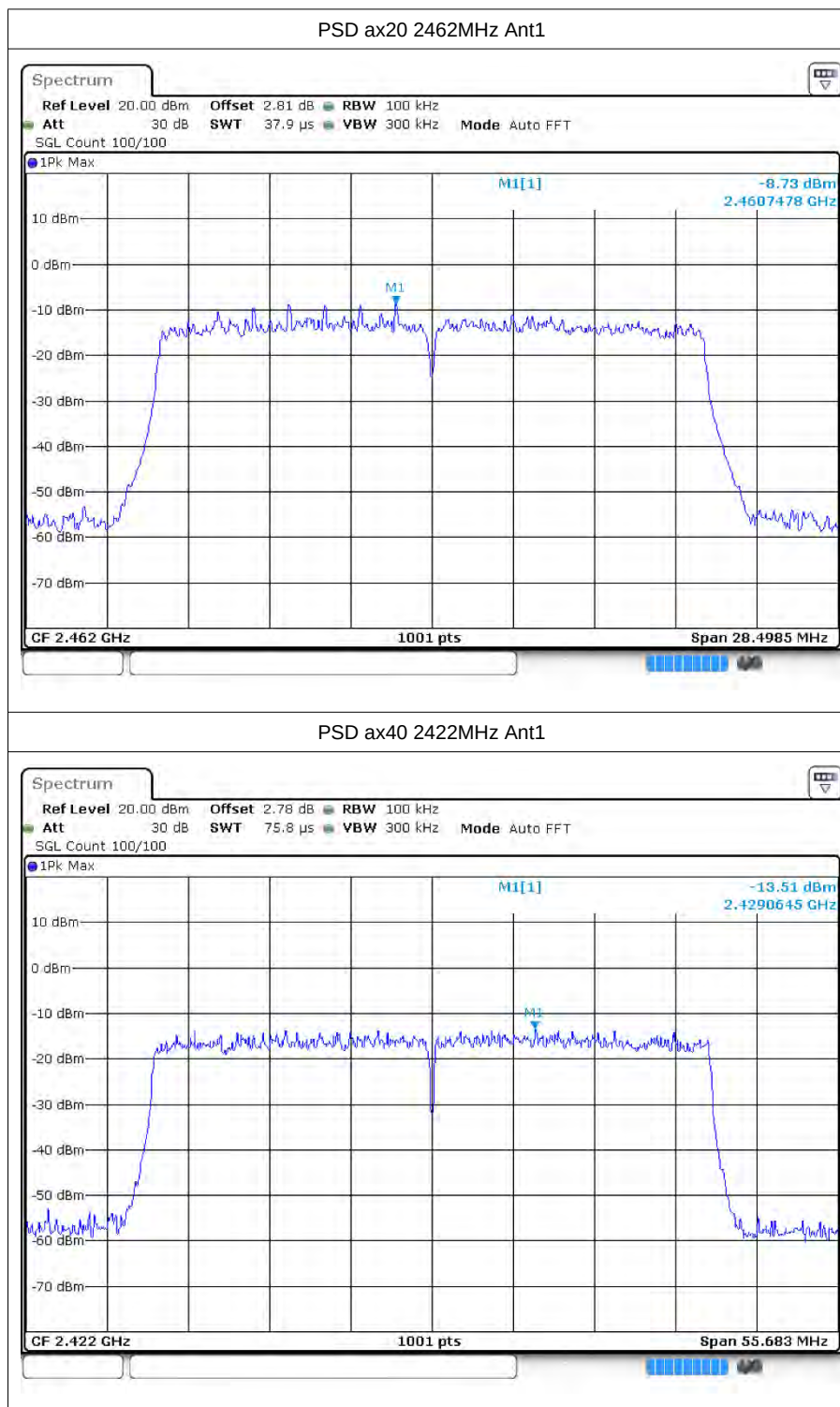


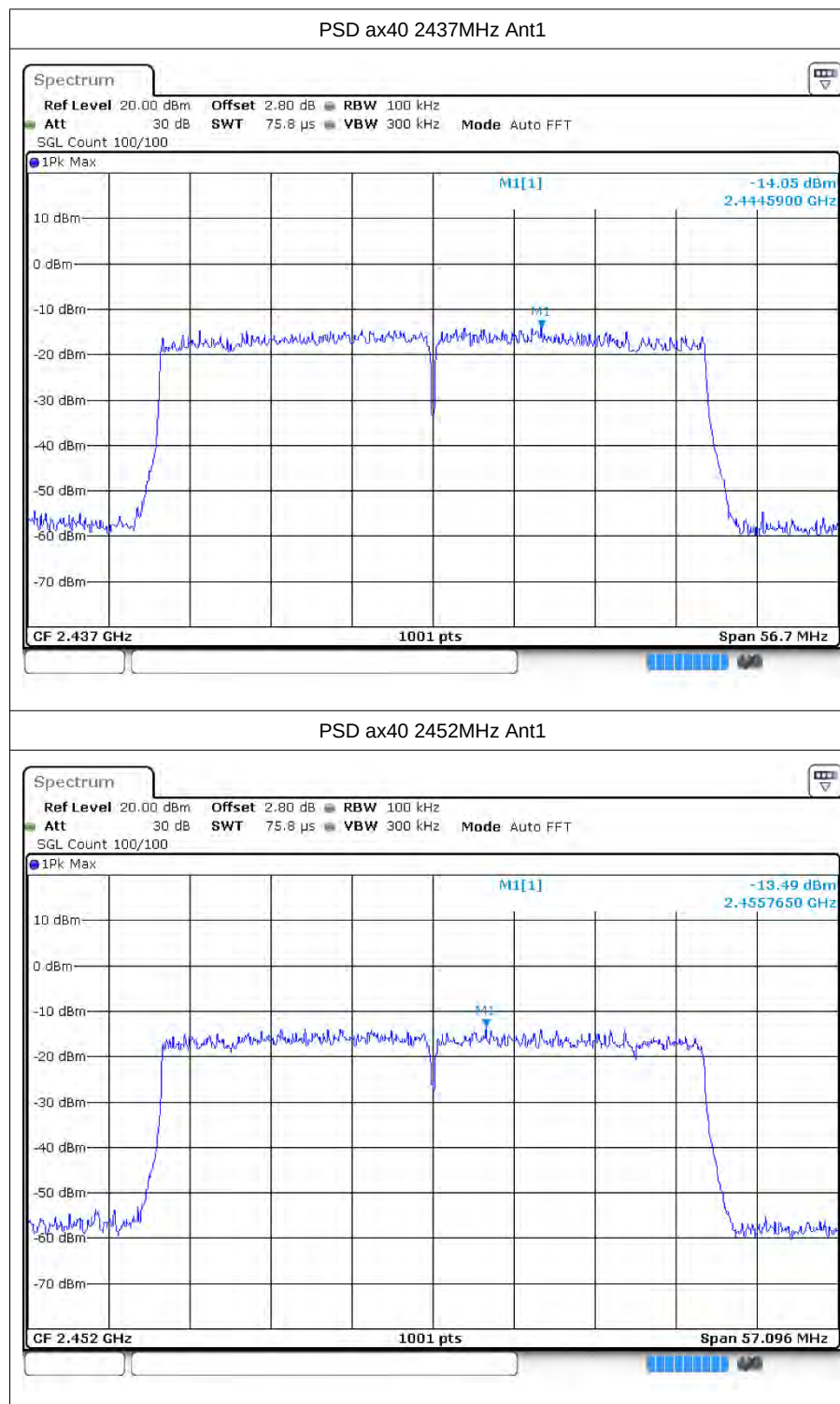
PSD ax20 2412MHz Ant1

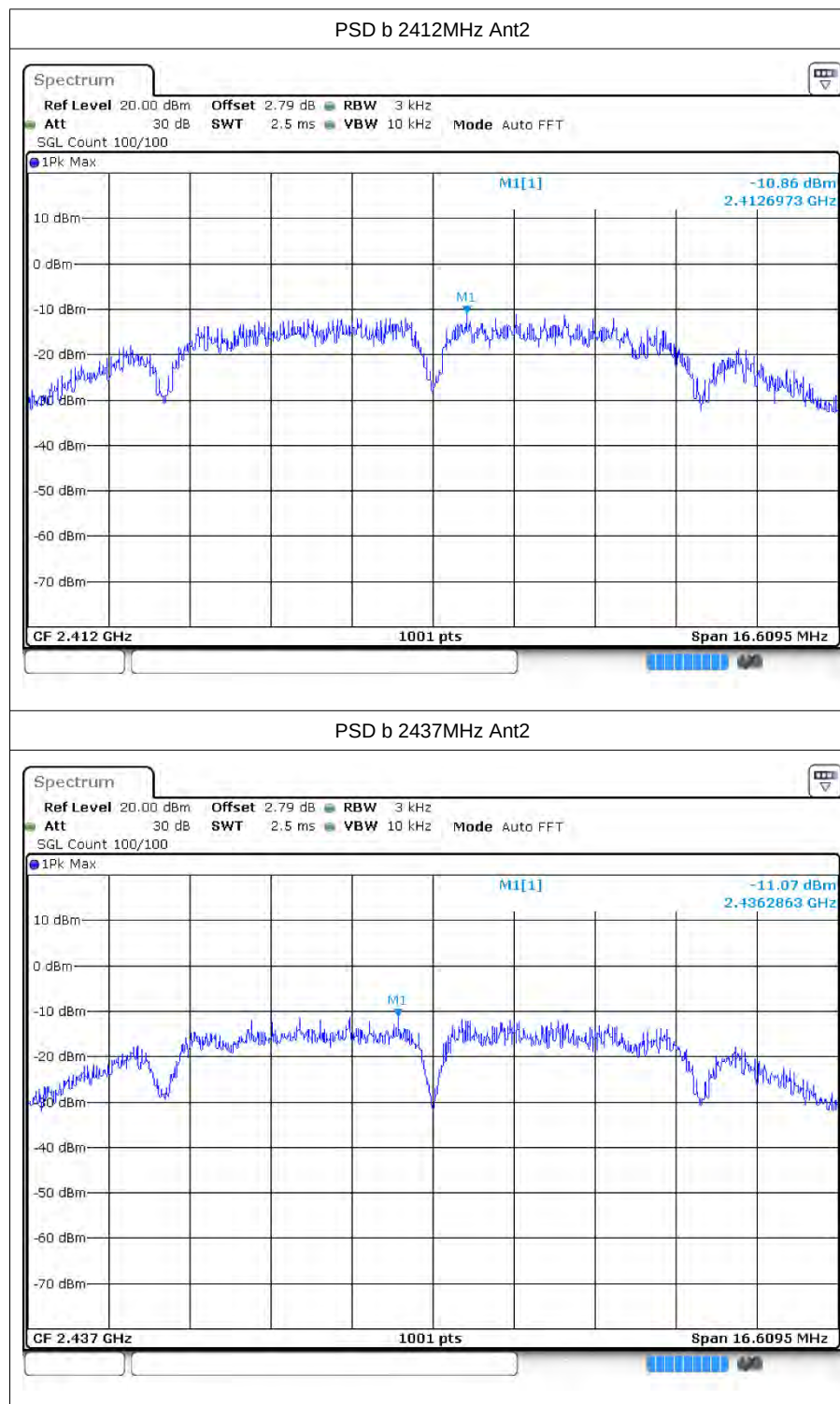


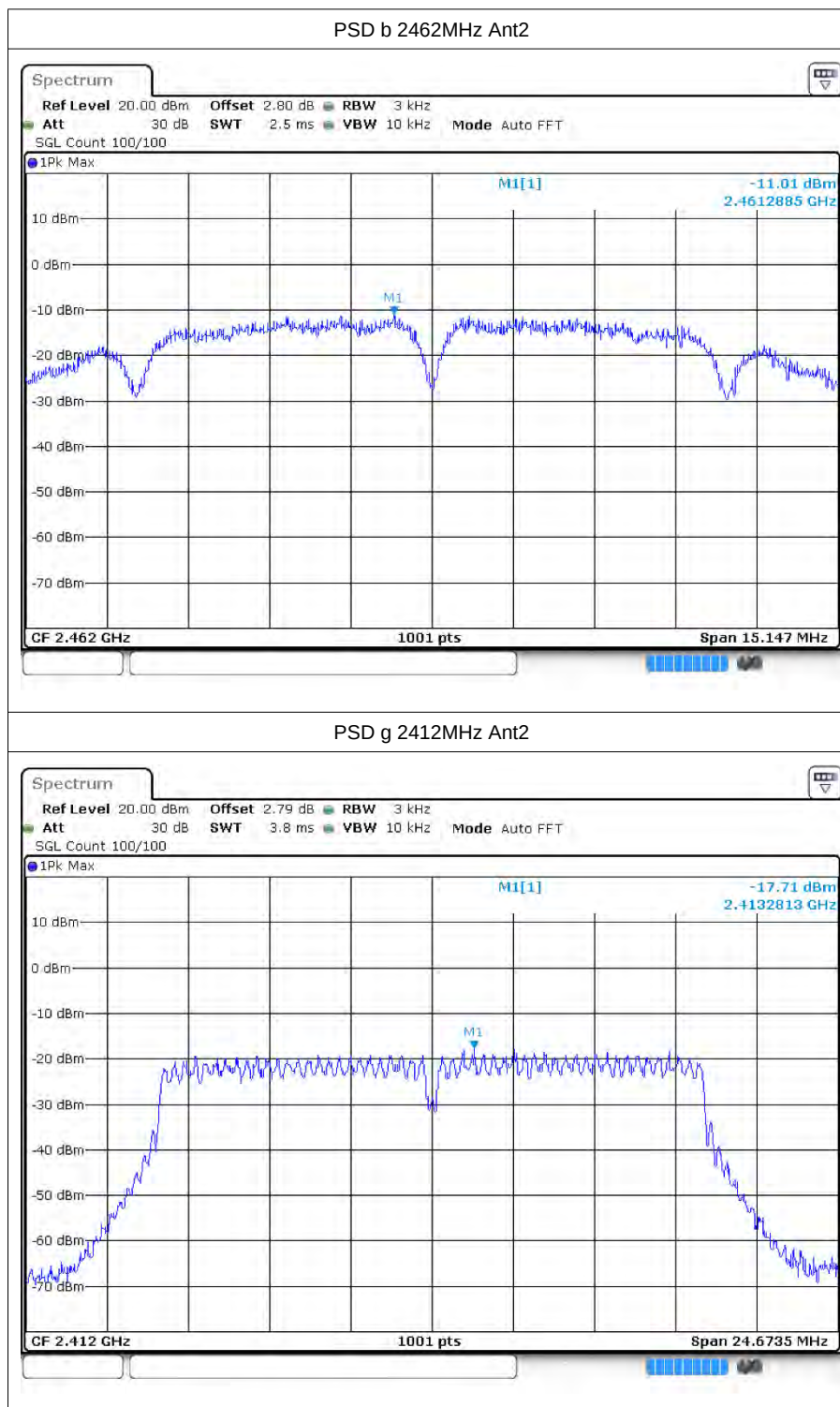
PSD ax20 2437MHz Ant1

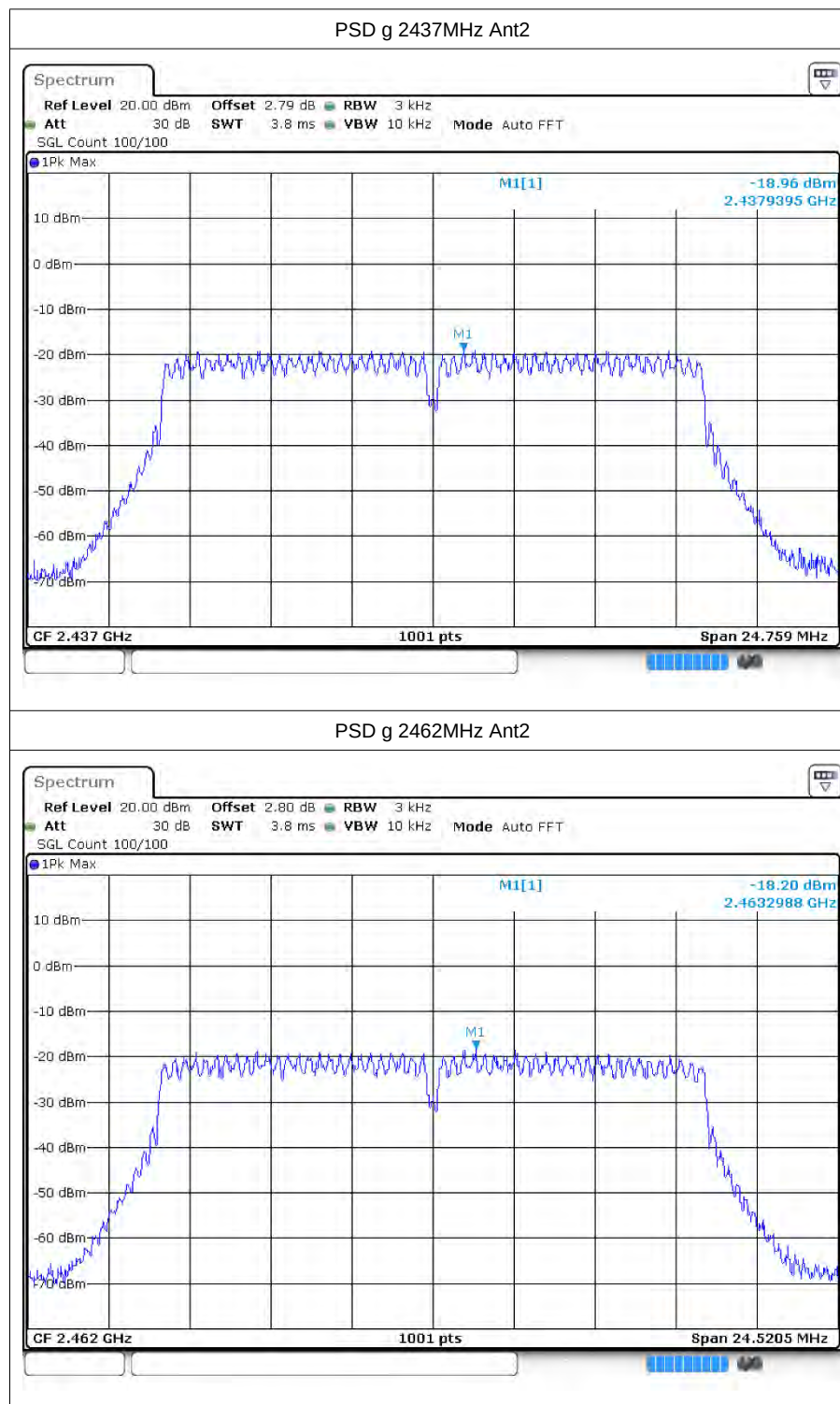


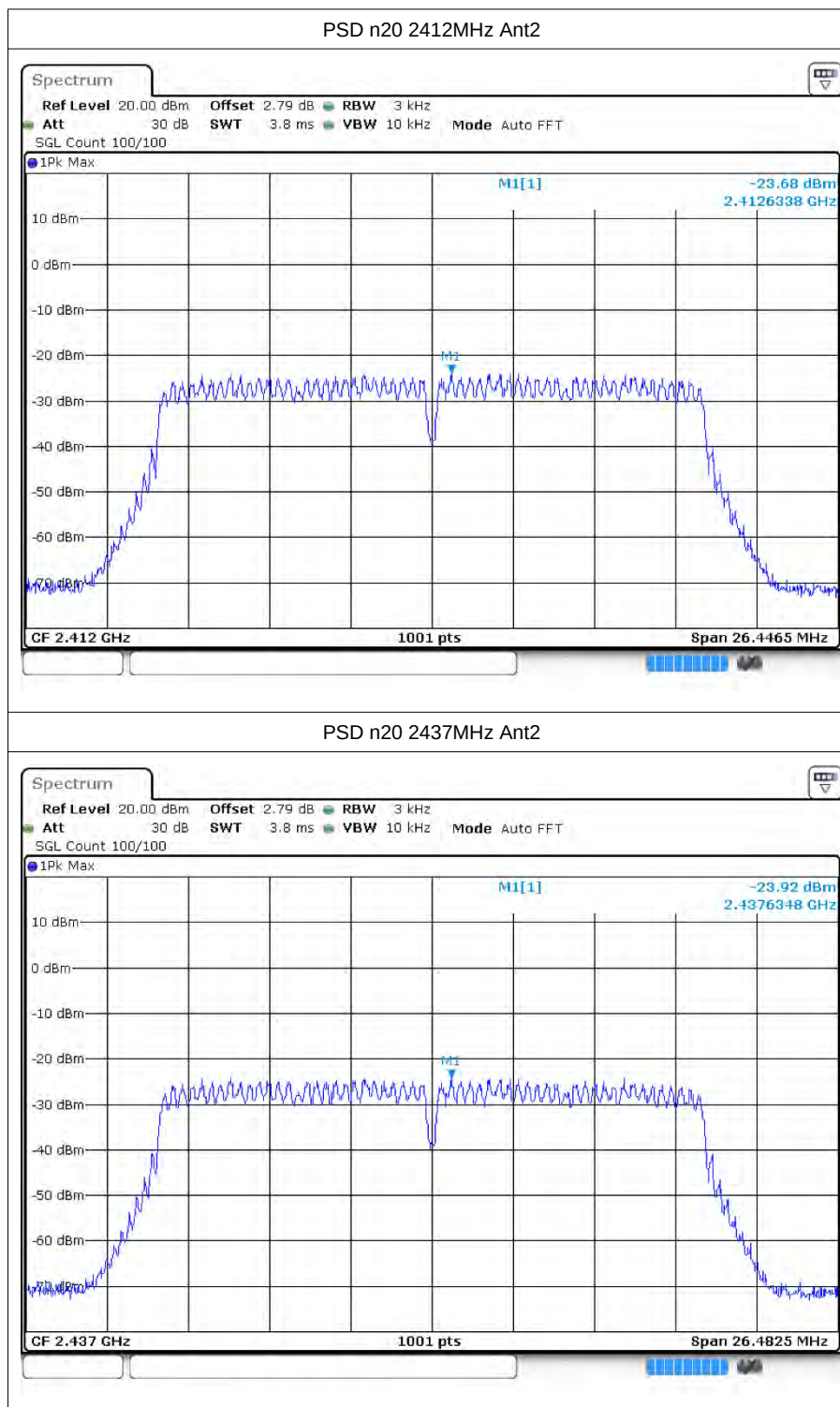


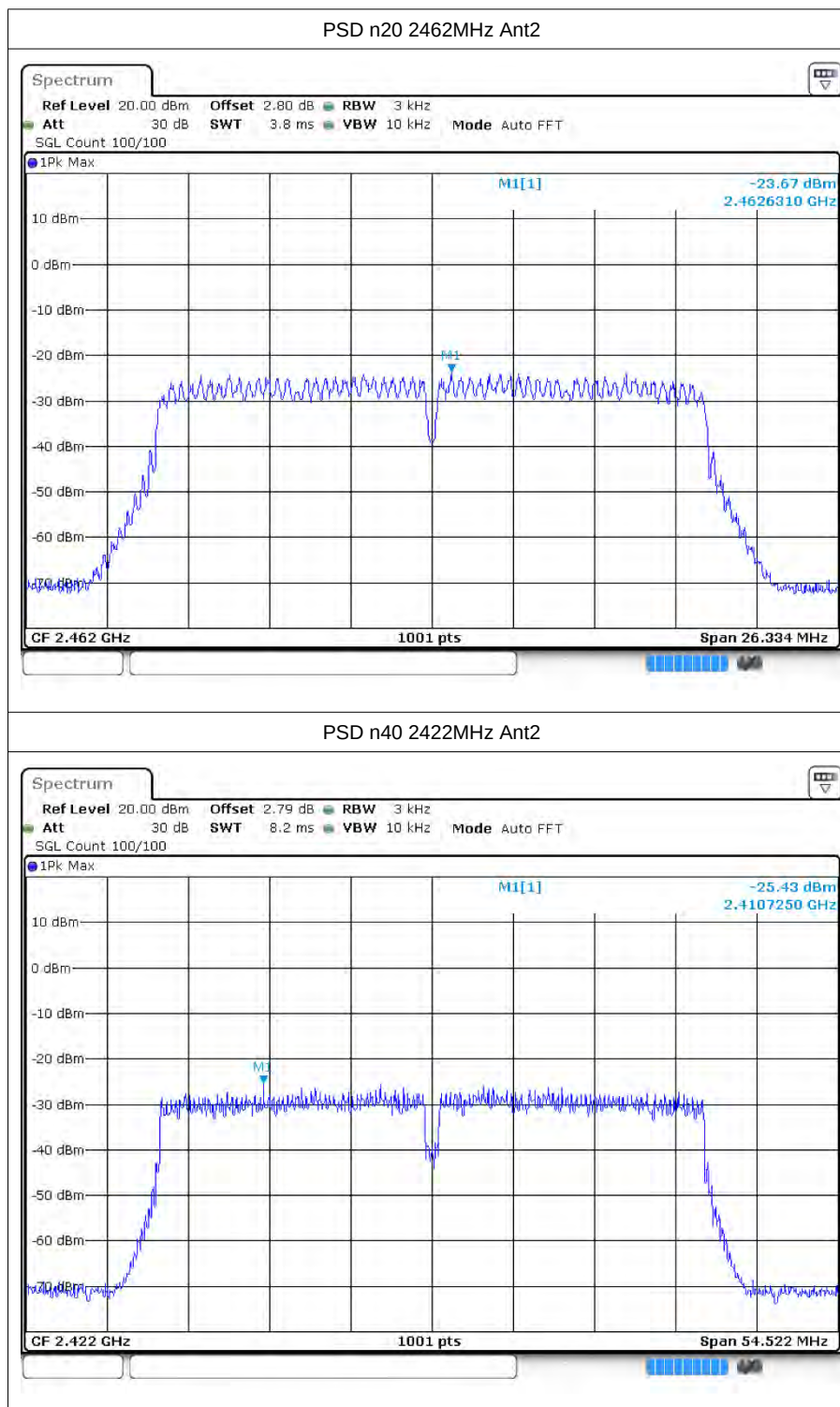


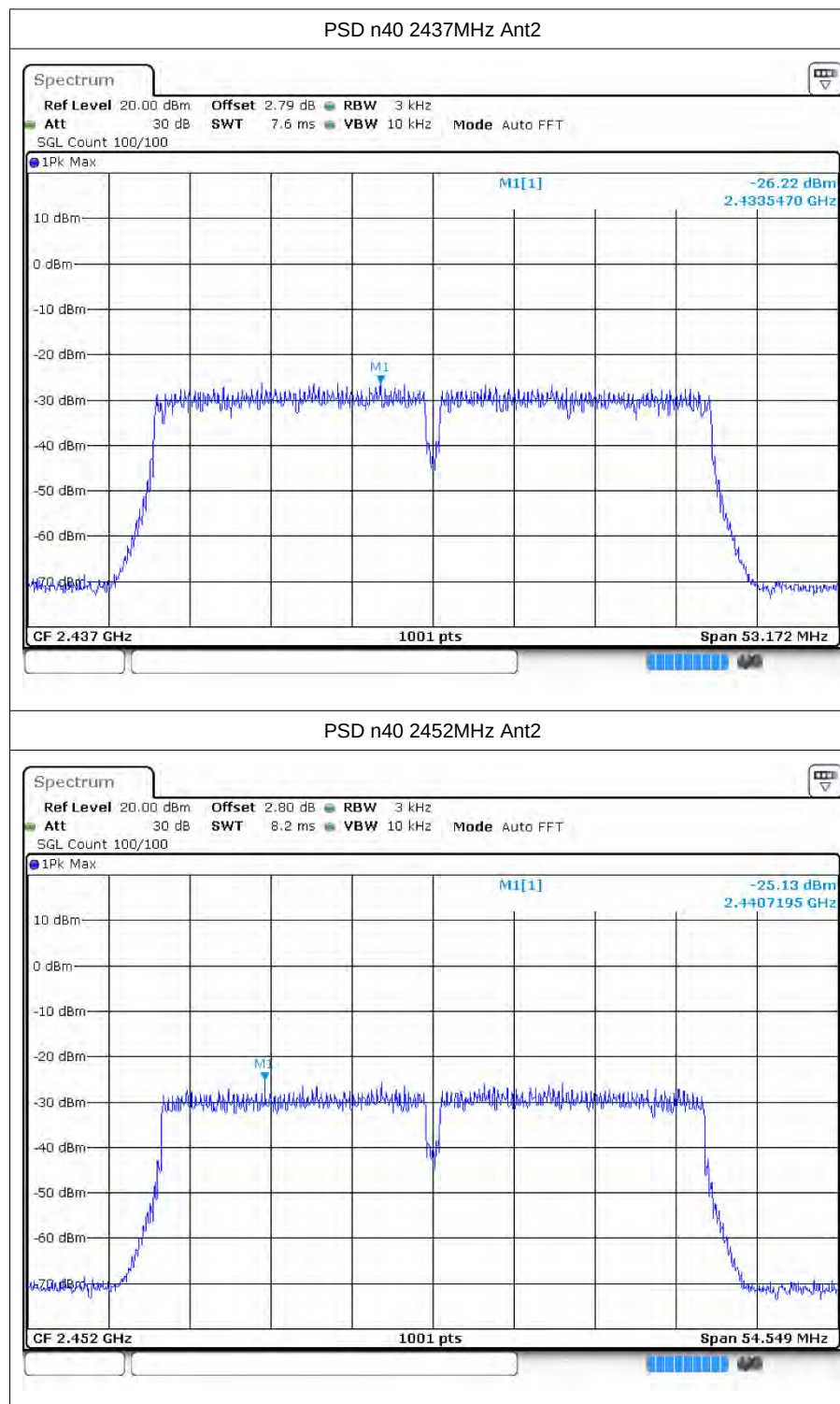




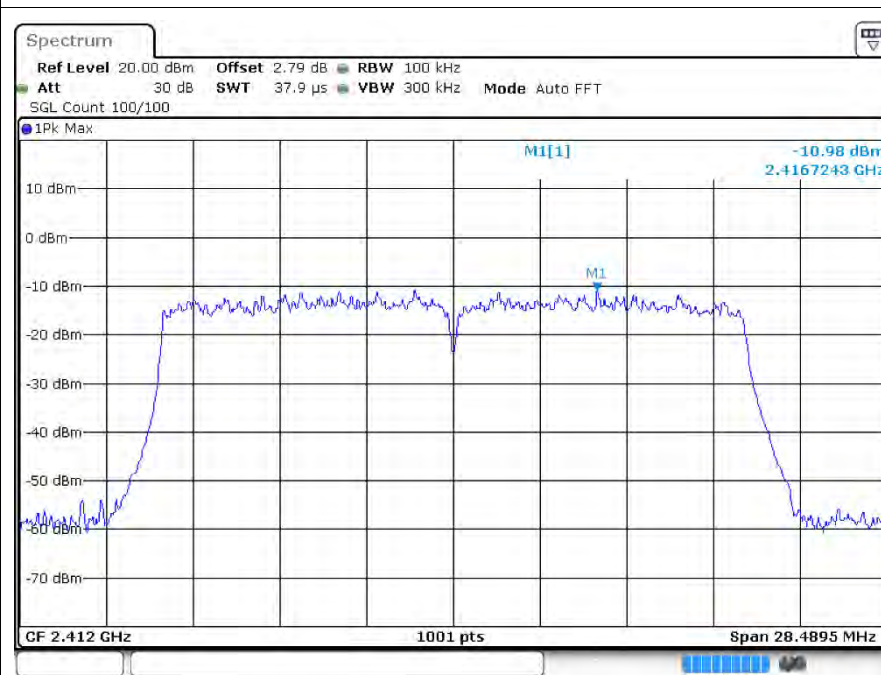




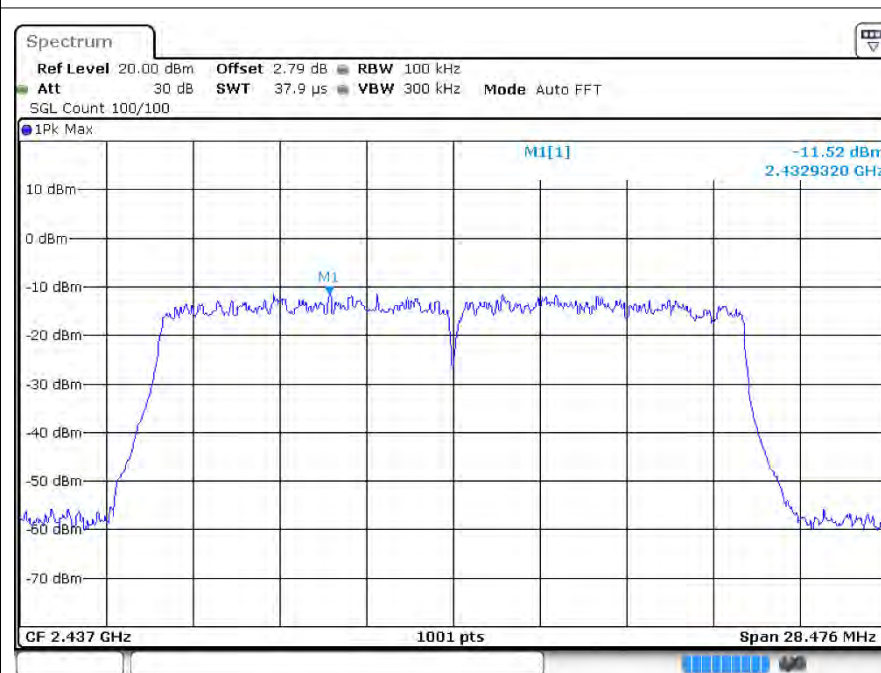


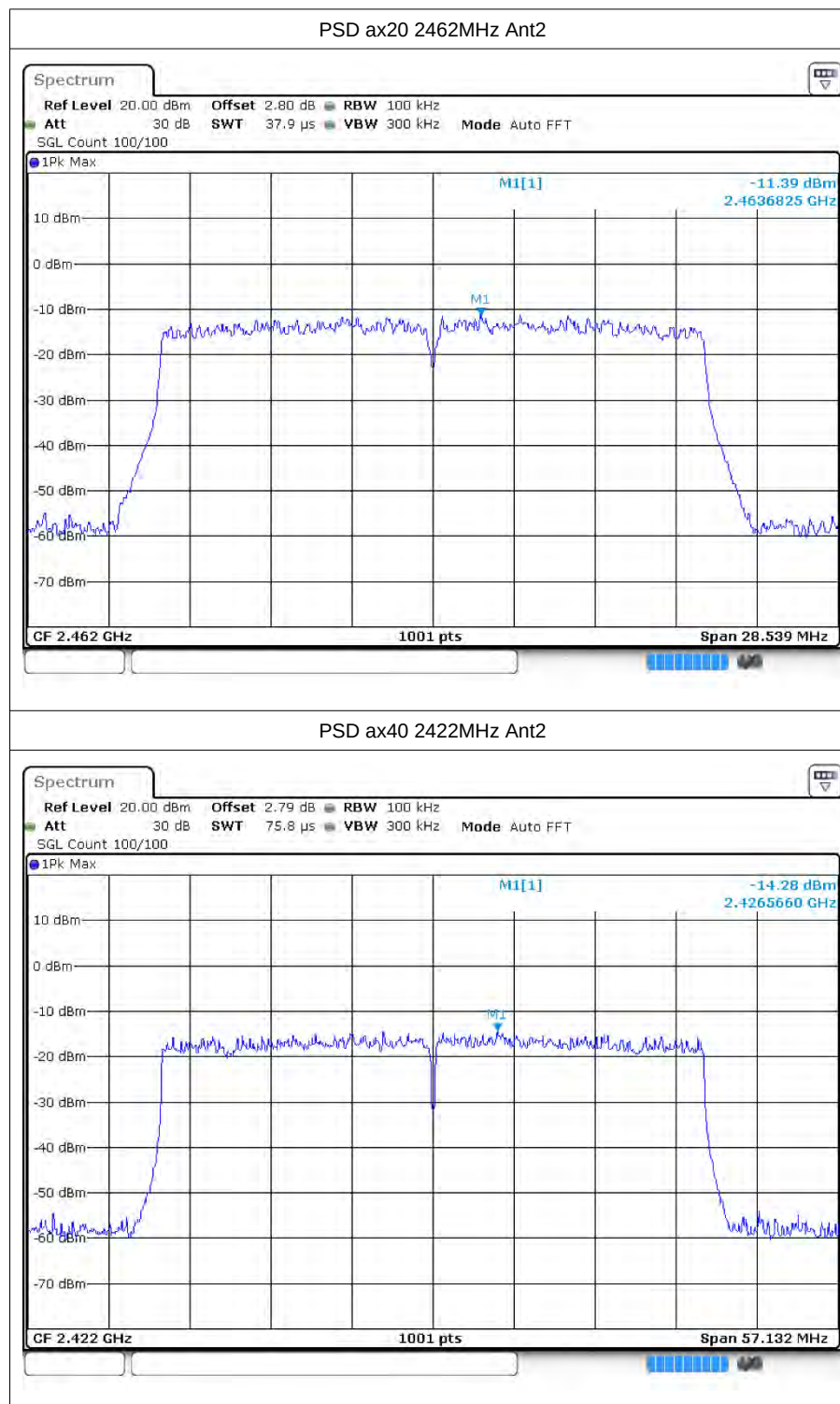


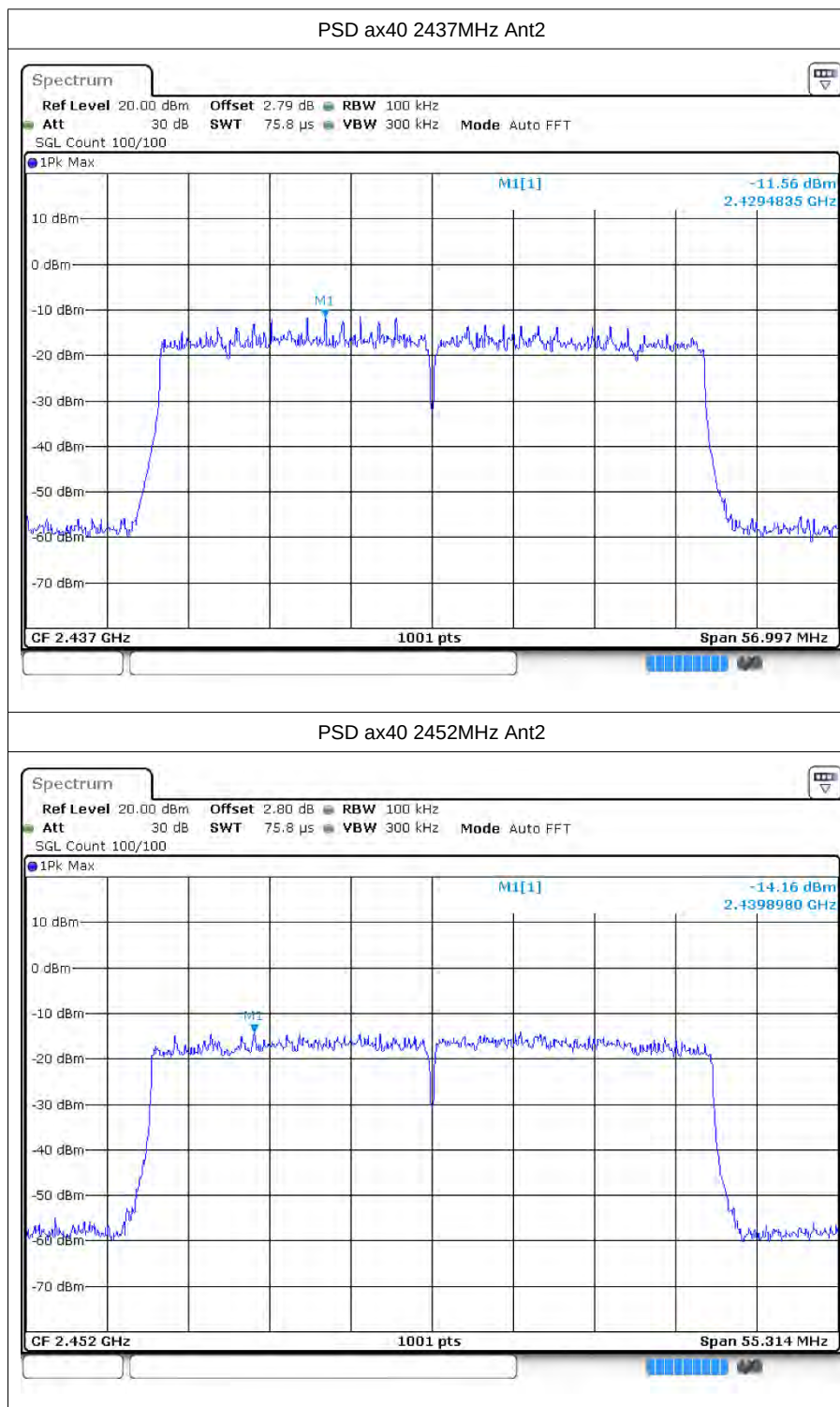
PSD ax20 2412MHz Ant2



PSD ax20 2437MHz Ant2







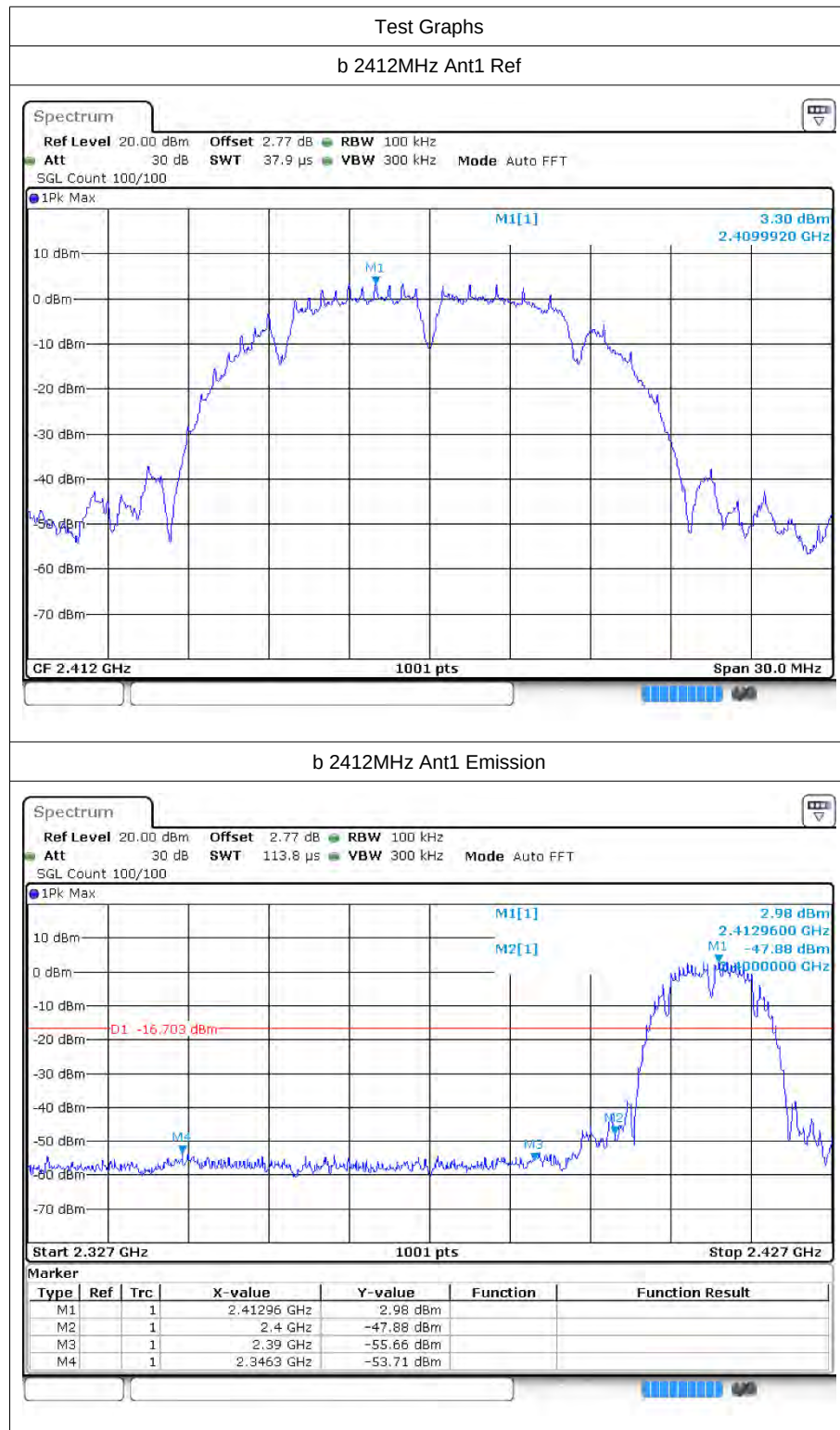


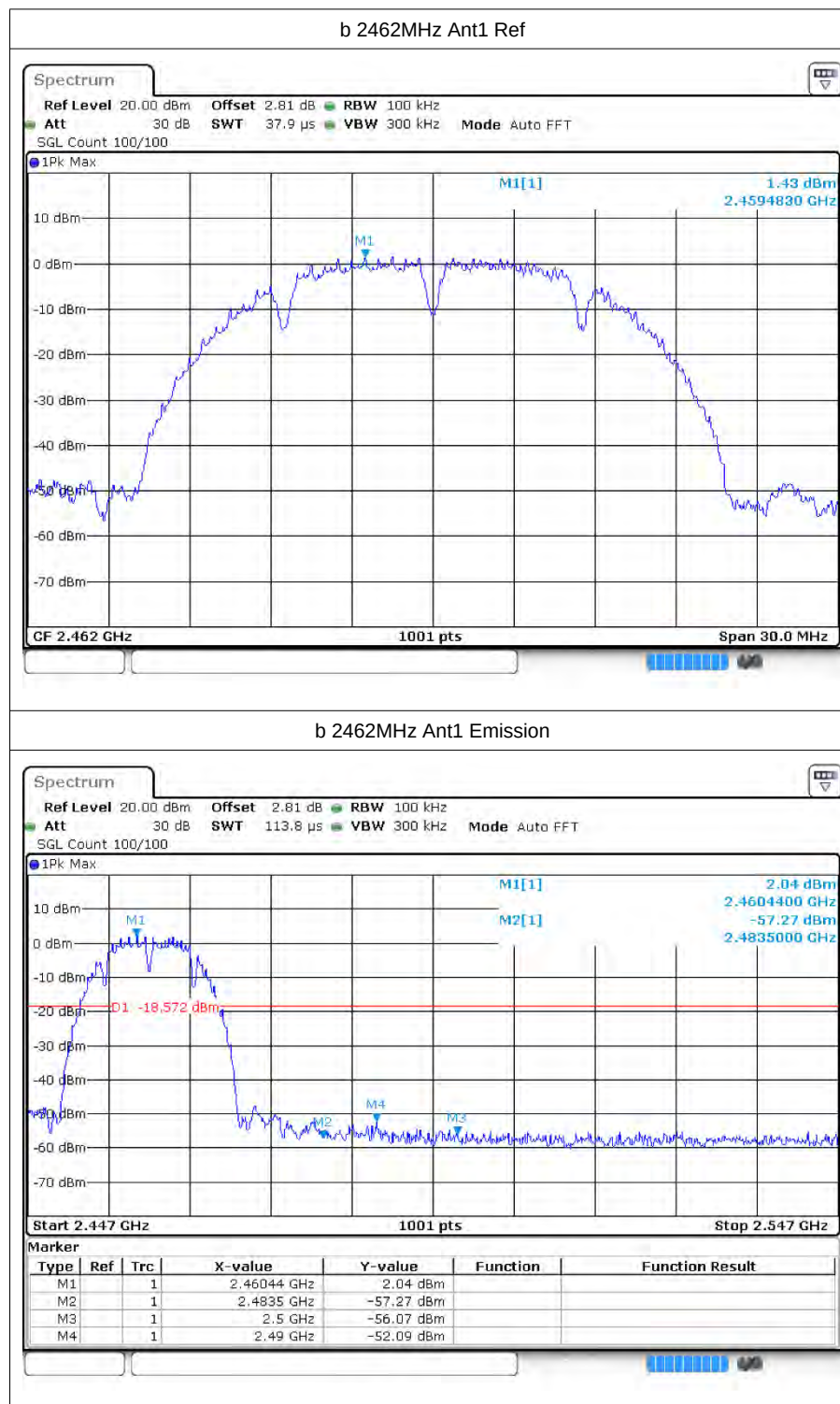
5 Band Edge

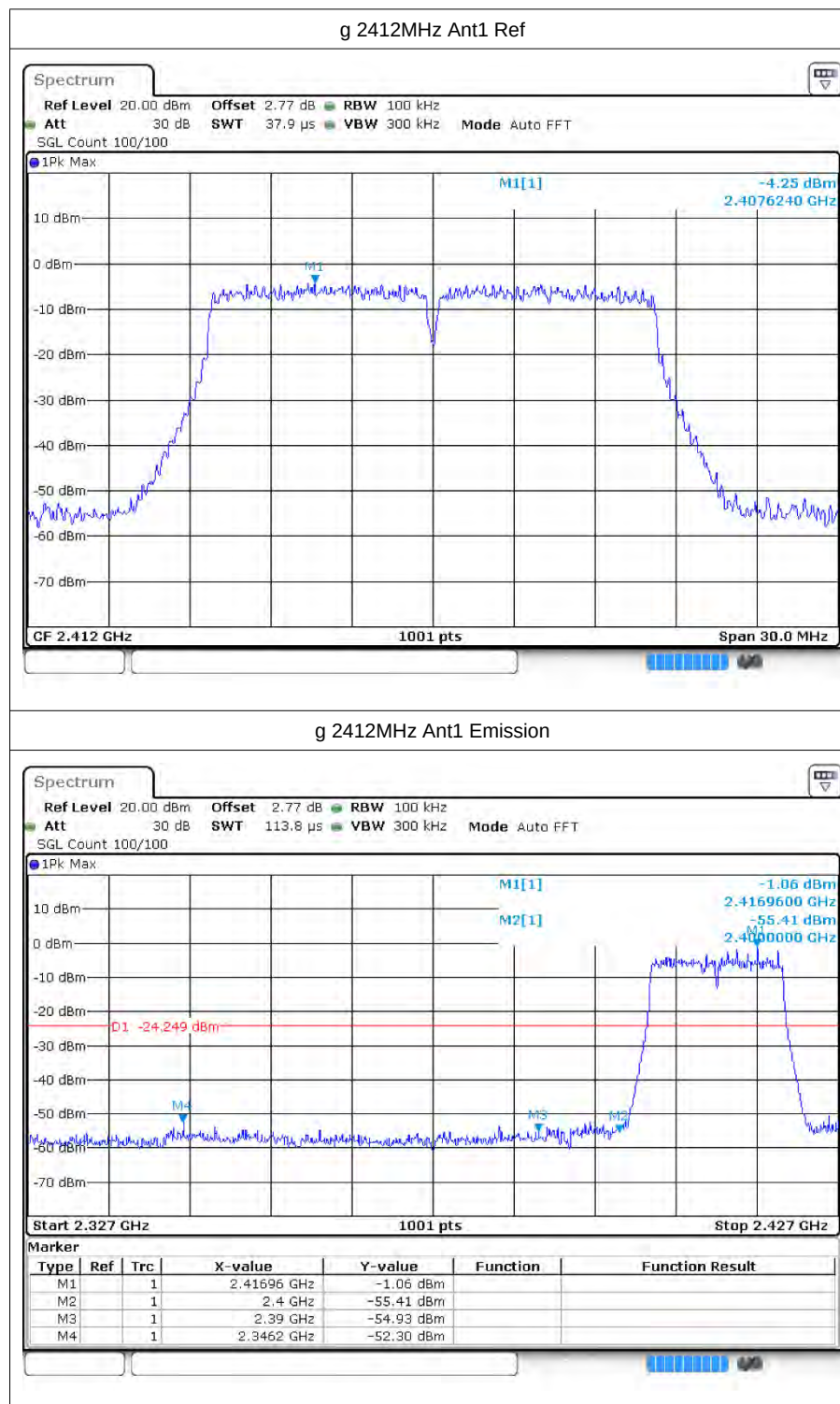
5.1 Test Result

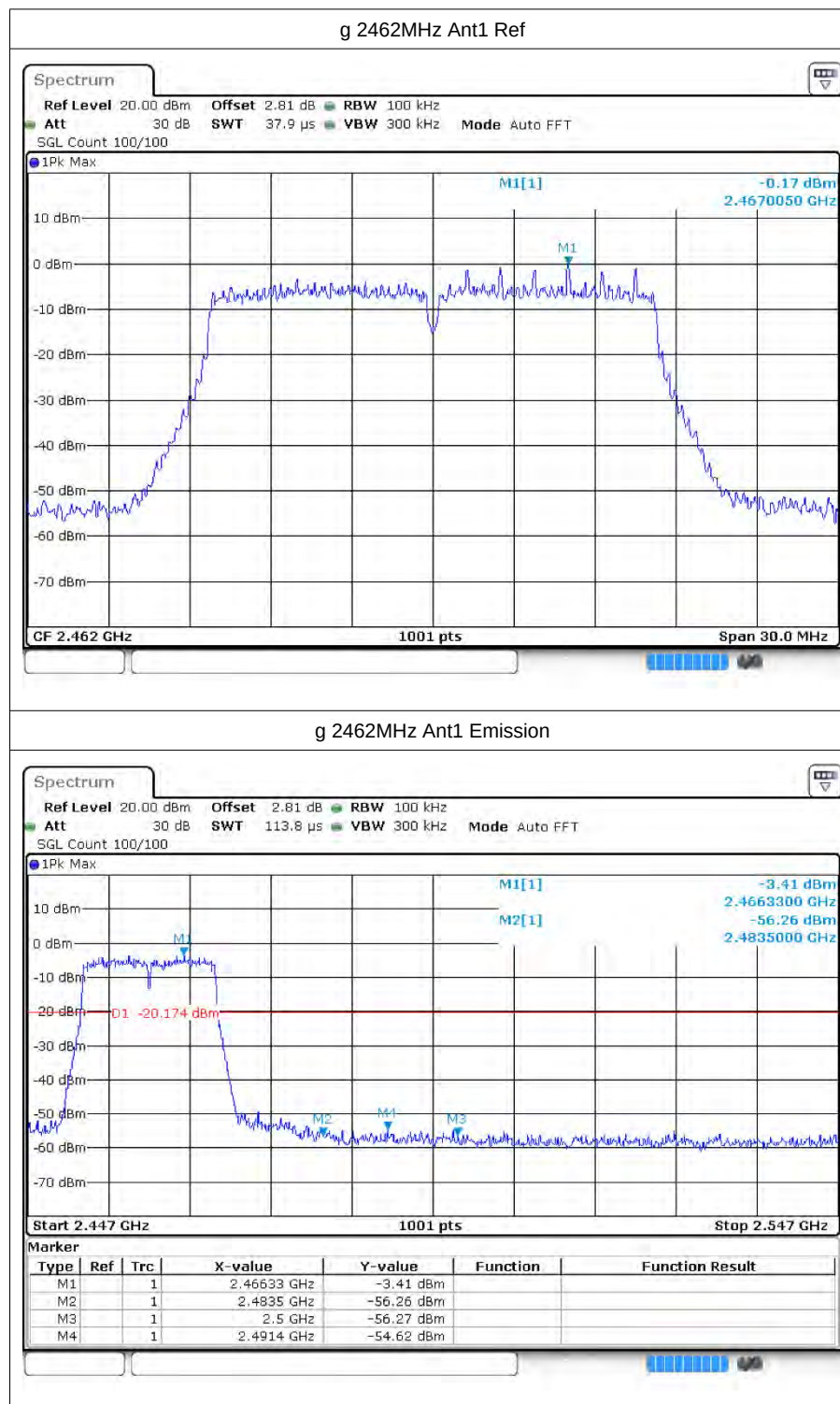
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-57.01	-20	Pass
b	2462	Ant1	-53.52	-20	Pass
g	2412	Ant1	-48.04	-20	Pass
g	2462	Ant1	-54.45	-20	Pass
n20	2412	Ant1	-43.56	-20	Pass
n20	2462	Ant1	-45.18	-20	Pass
n40	2422	Ant1	-42.87	-20	Pass
n40	2452	Ant1	-45.29	-20	Pass
ax20	2412	Ant1	-45.89	-20	Pass
ax20	2462	Ant1	-45.14	-20	Pass
ax40	2422	Ant1	-41.32	-20	Pass
ax40	2452	Ant1	-42.28	-20	Pass
b	2412	Ant2	-55.37	-20	-55.37
b	2462	Ant2	-56.41	-20	Pass
g	2412	Ant2	-50.13	-20	Pass
g	2462	Ant2	-48.11	-20	Pass
n20	2412	Ant2	-43.79	-20	Pass
n20	2462	Ant2	-48.17	-20	Pass
n40	2422	Ant2	-42.19	-20	Pass
n40	2452	Ant2	-42.71	-20	Pass
ax20	2412	Ant2	-44.09	-20	Pass
ax20	2462	Ant2	-45.2	-20	Pass
ax40	2422	Ant2	-41.2	-20	Pass
ax40	2452	Ant2	-41.5	-20	Pass

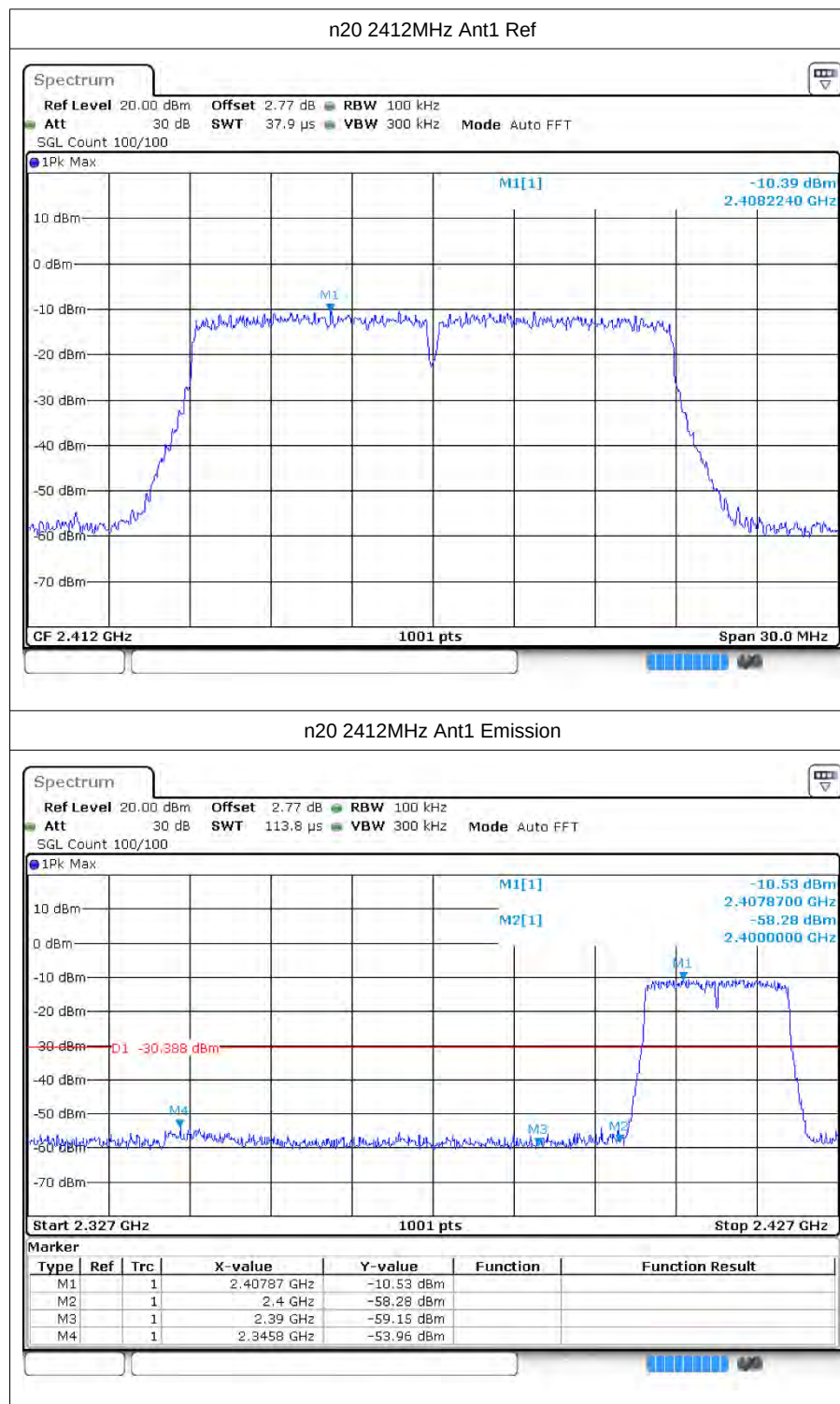
5.2 Test Graphs

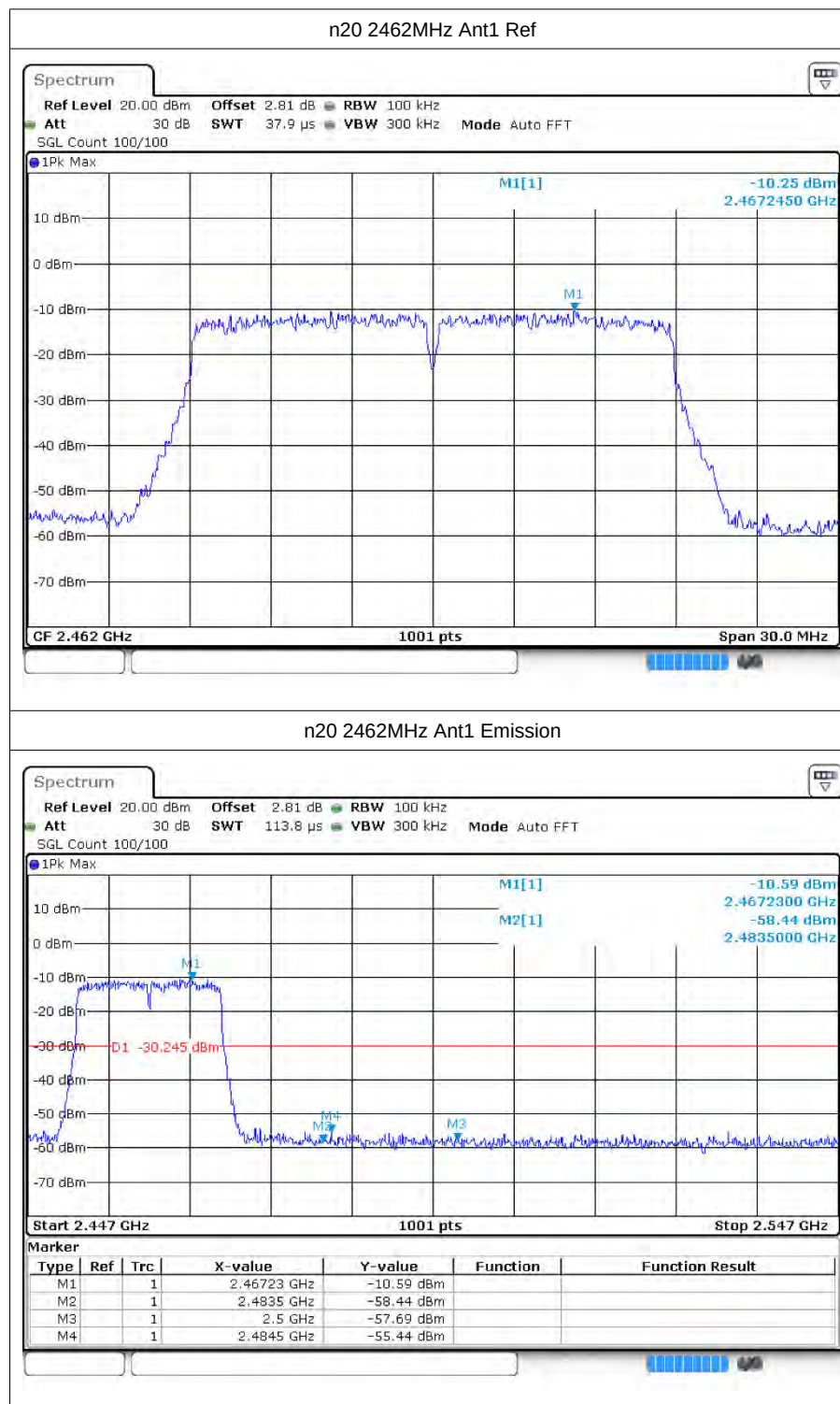


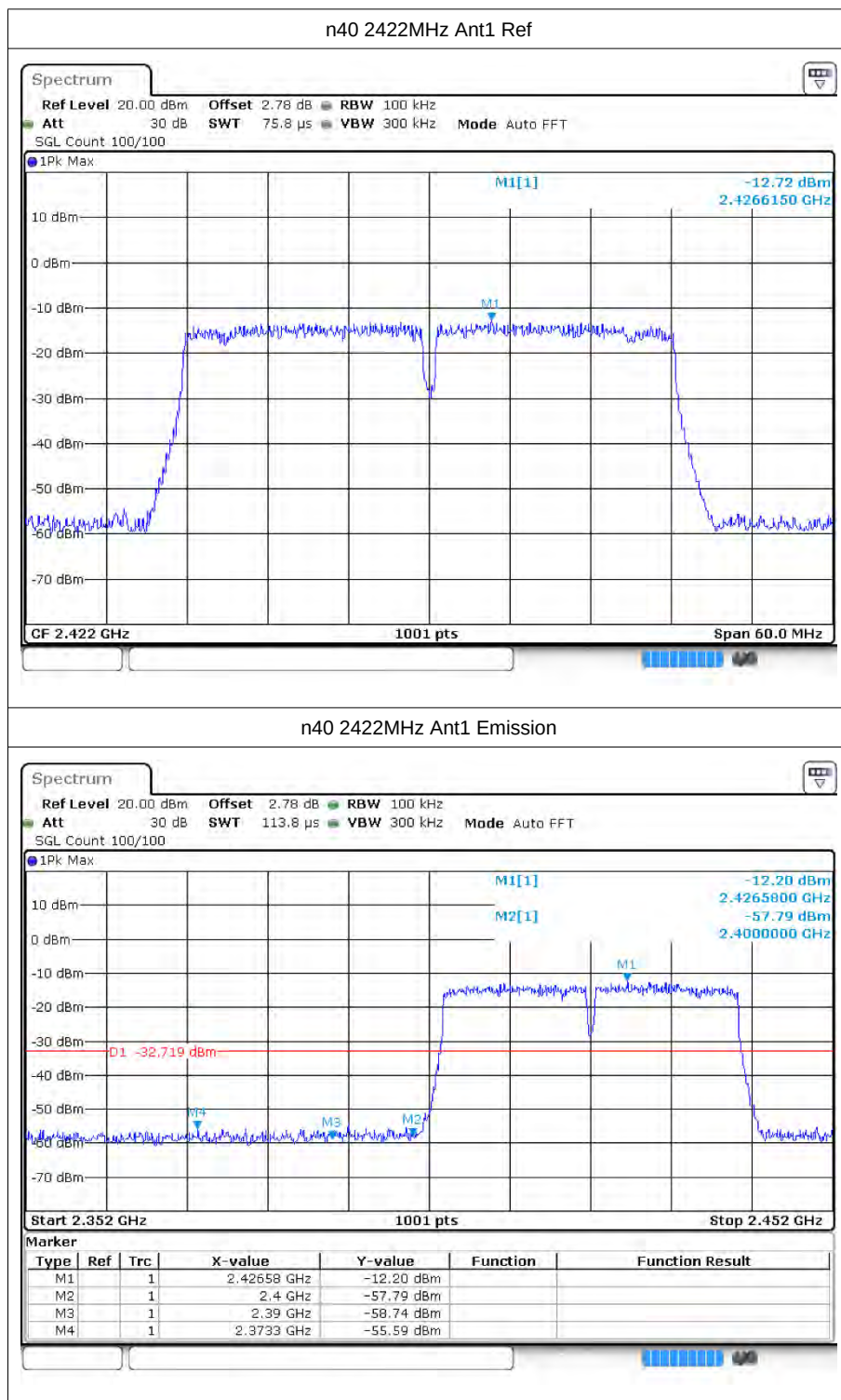


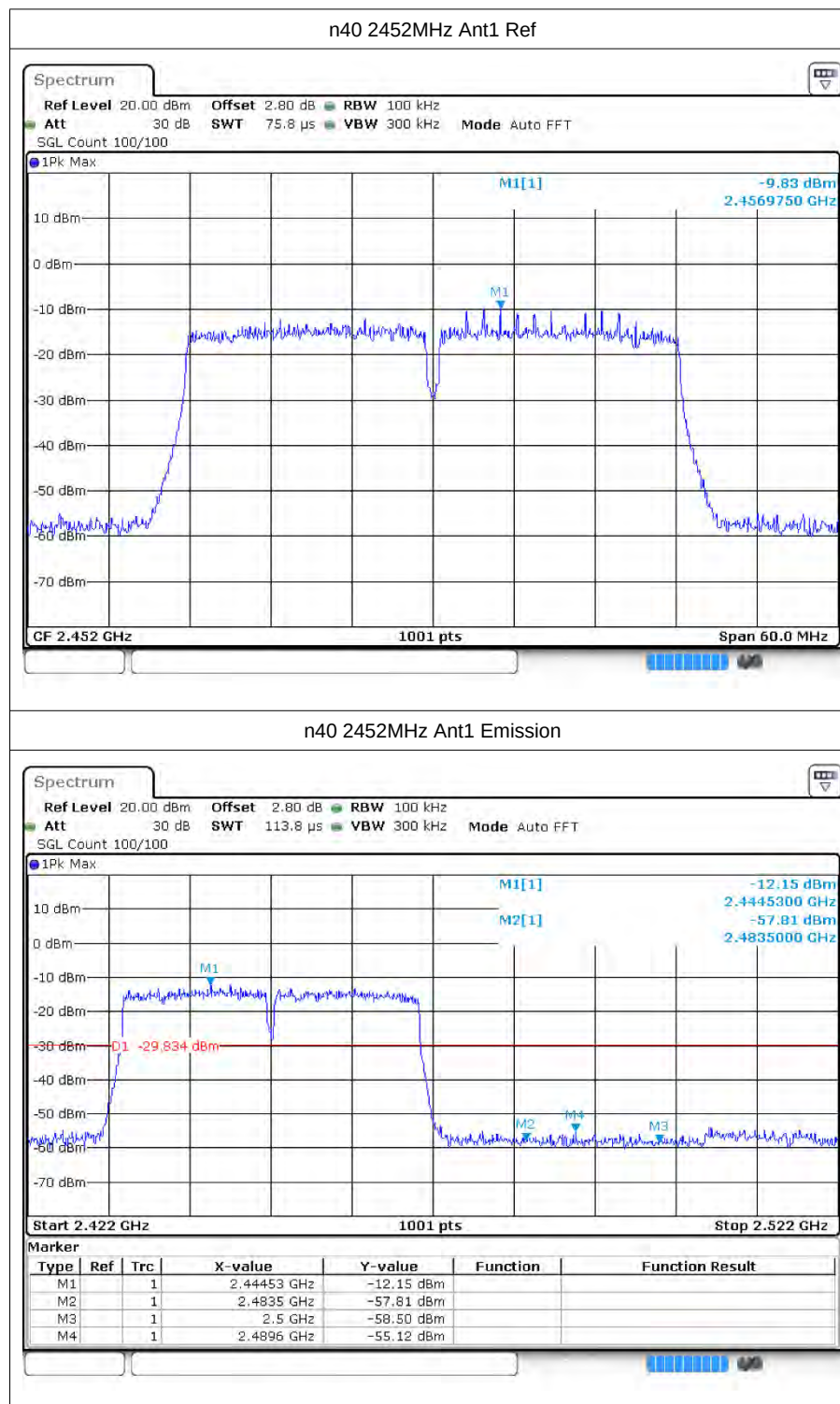




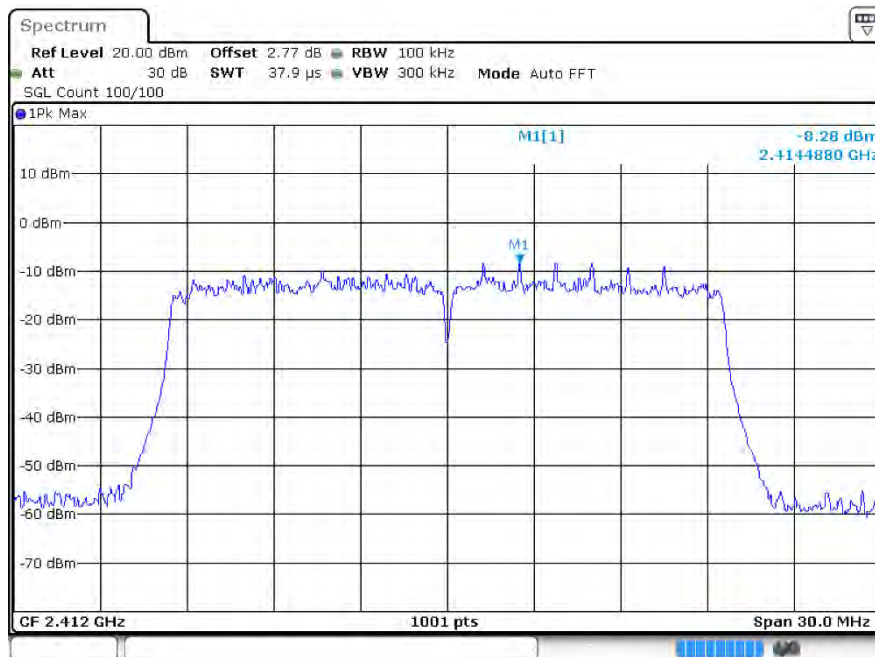




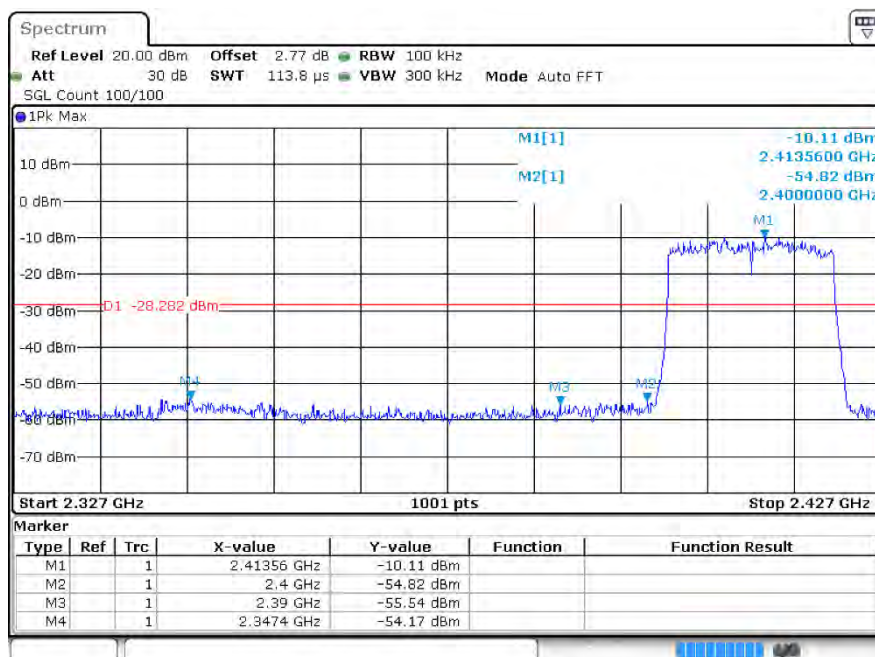


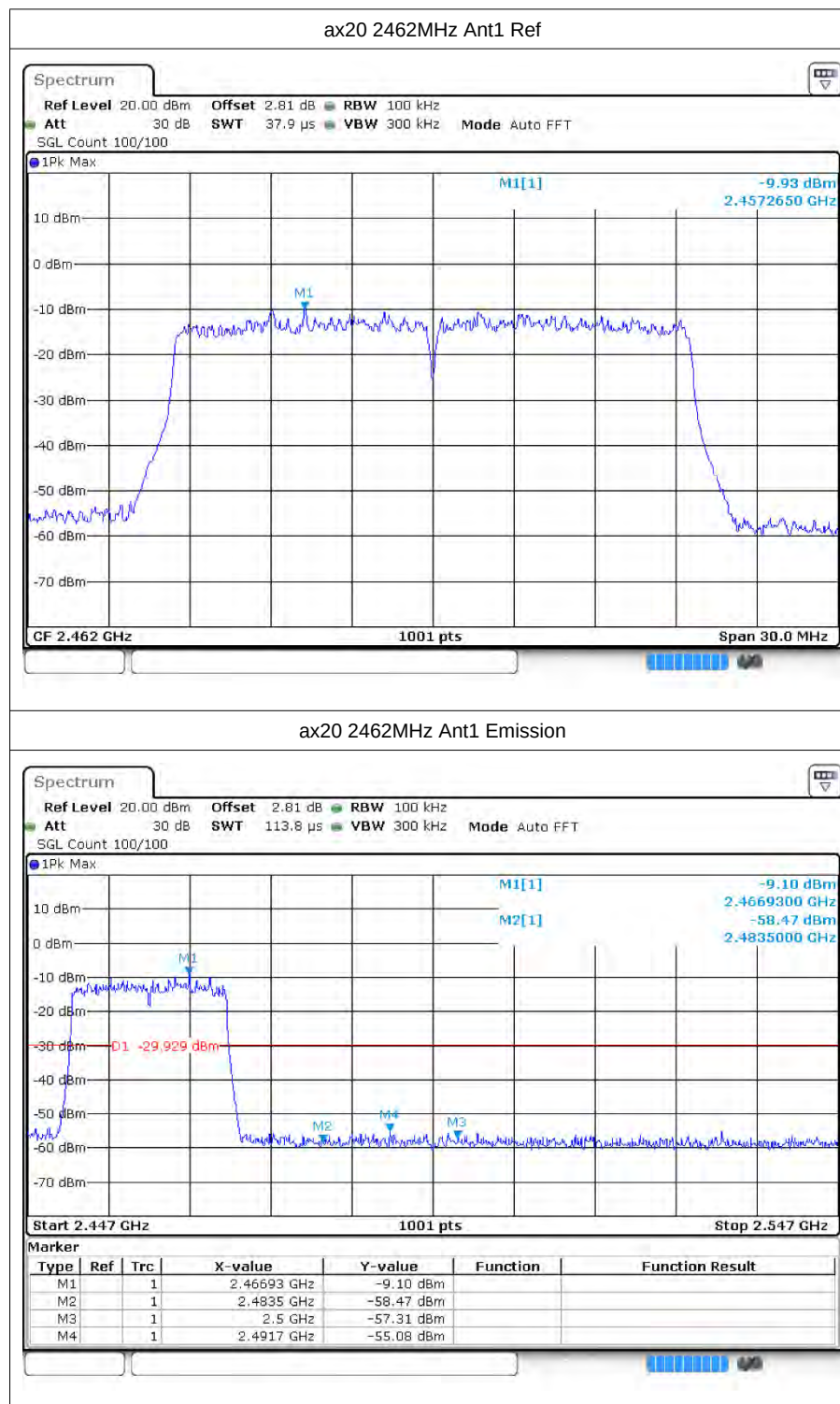


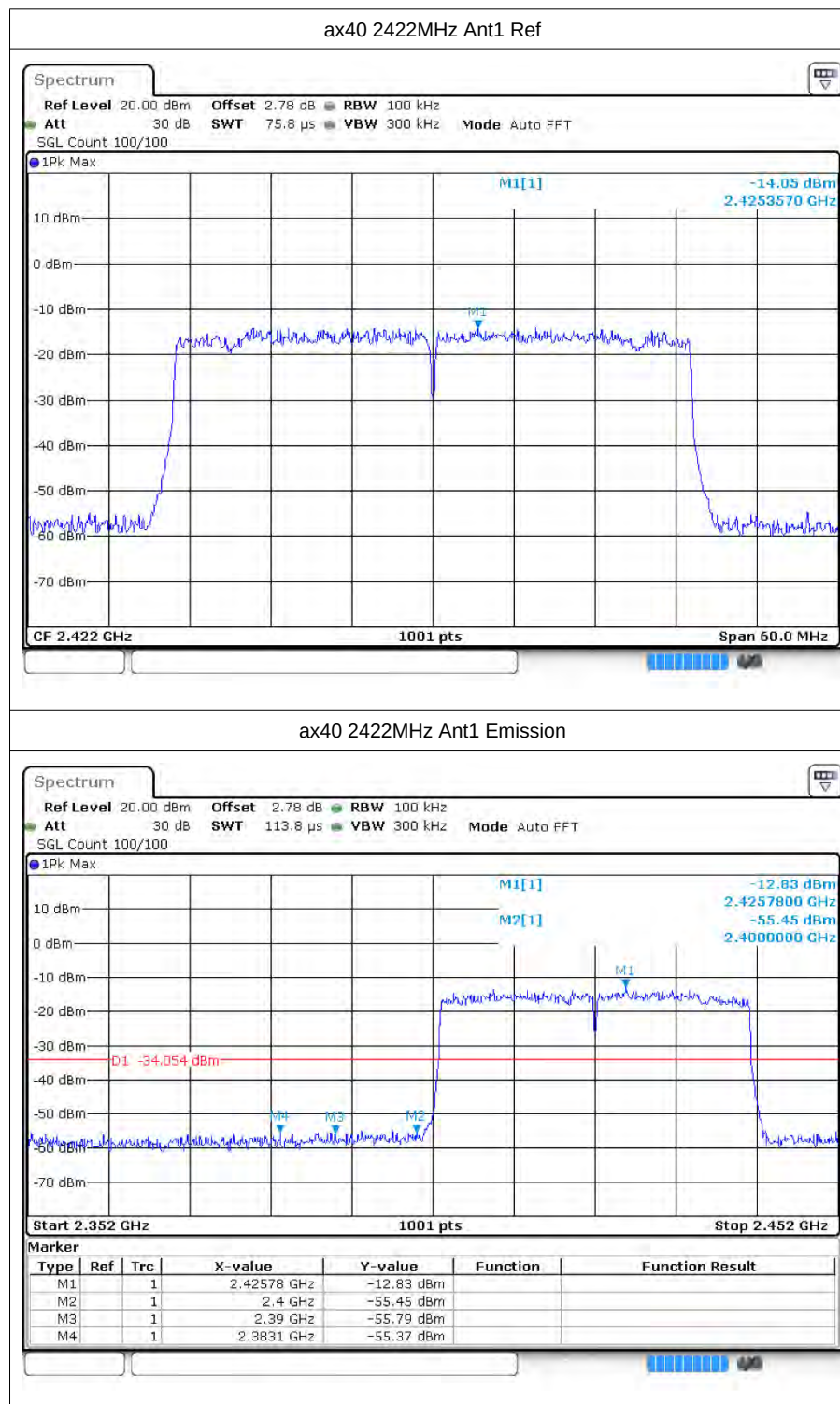
ax20 2412MHz Ant1 Ref

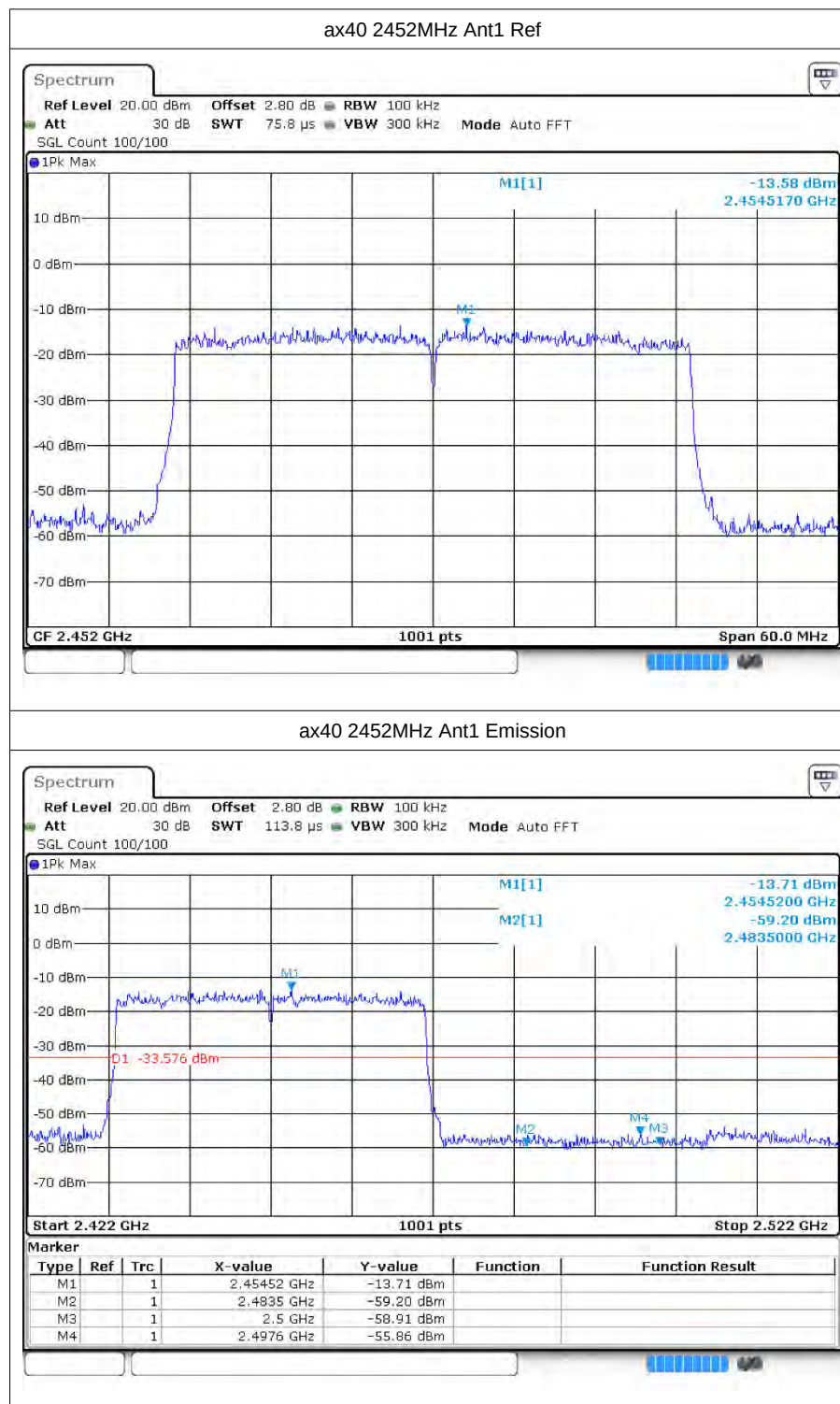


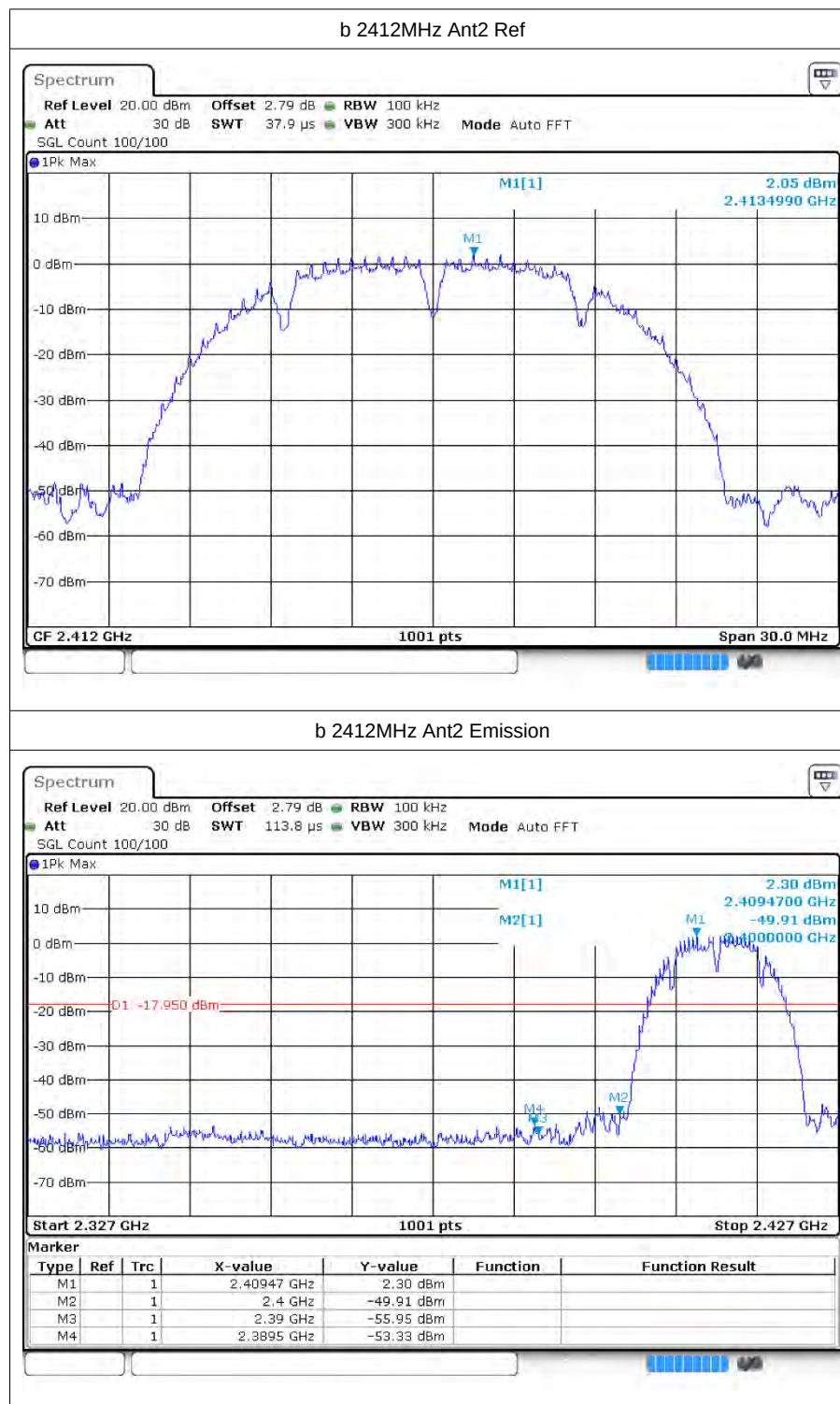
ax20 2412MHz Ant1 Emission

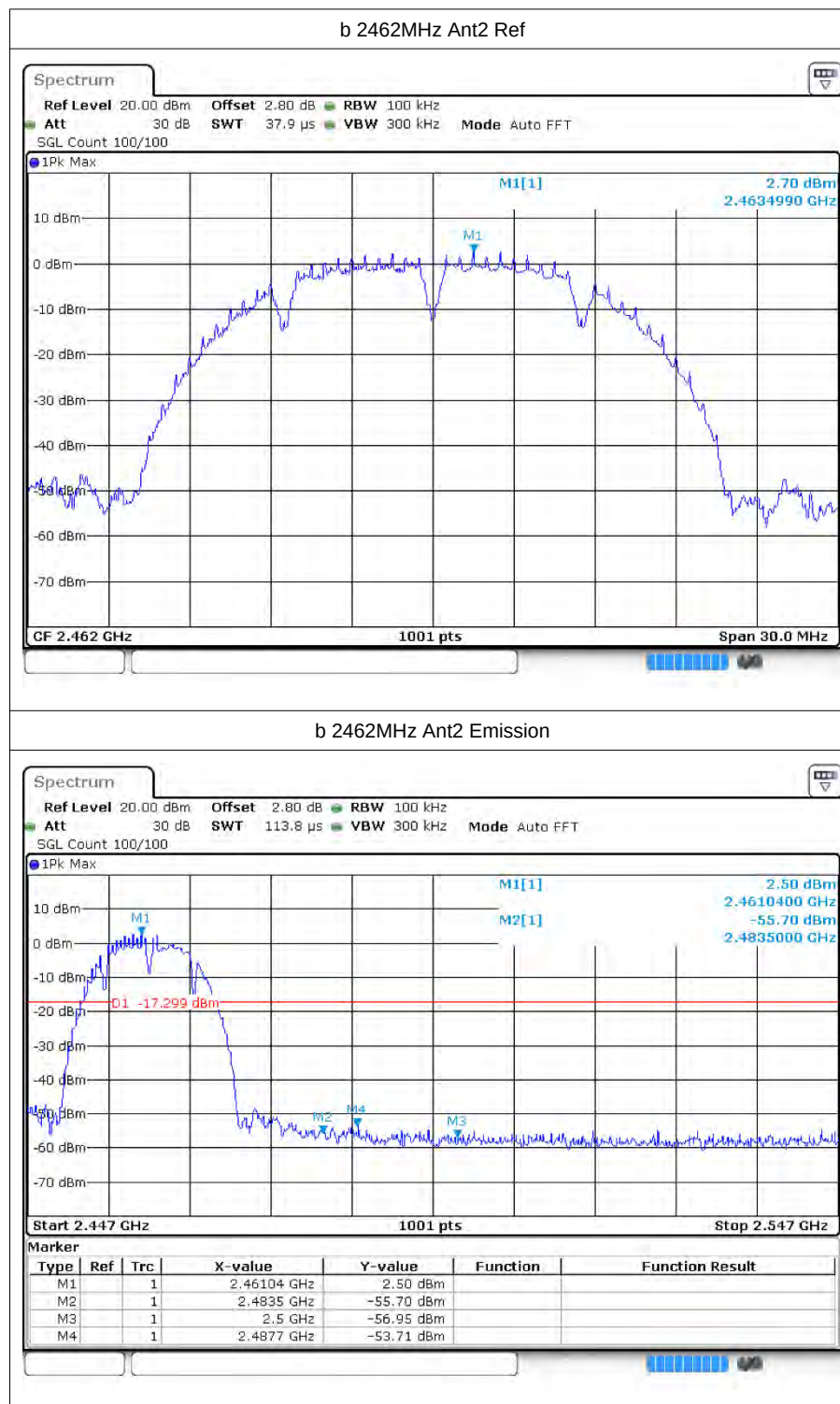


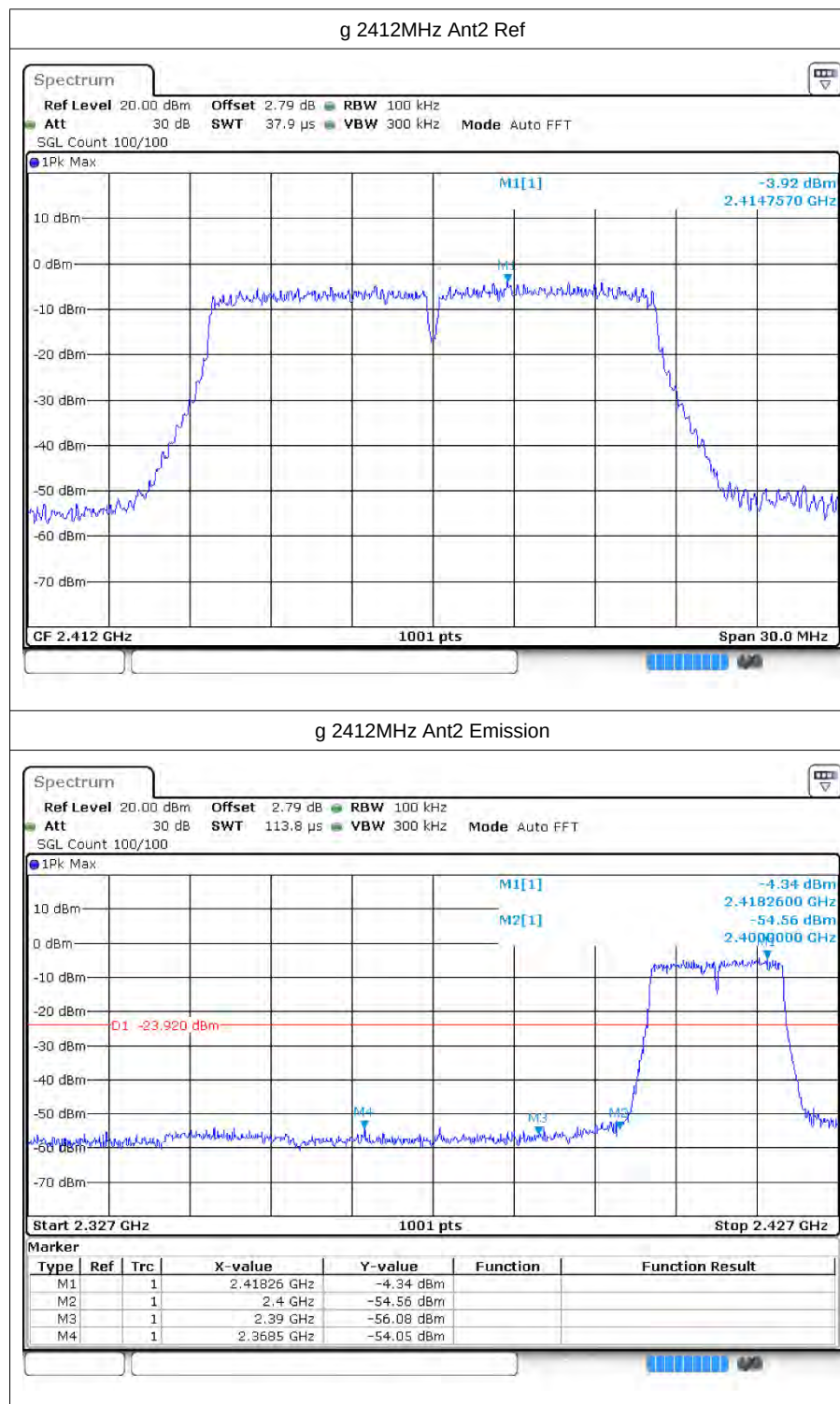


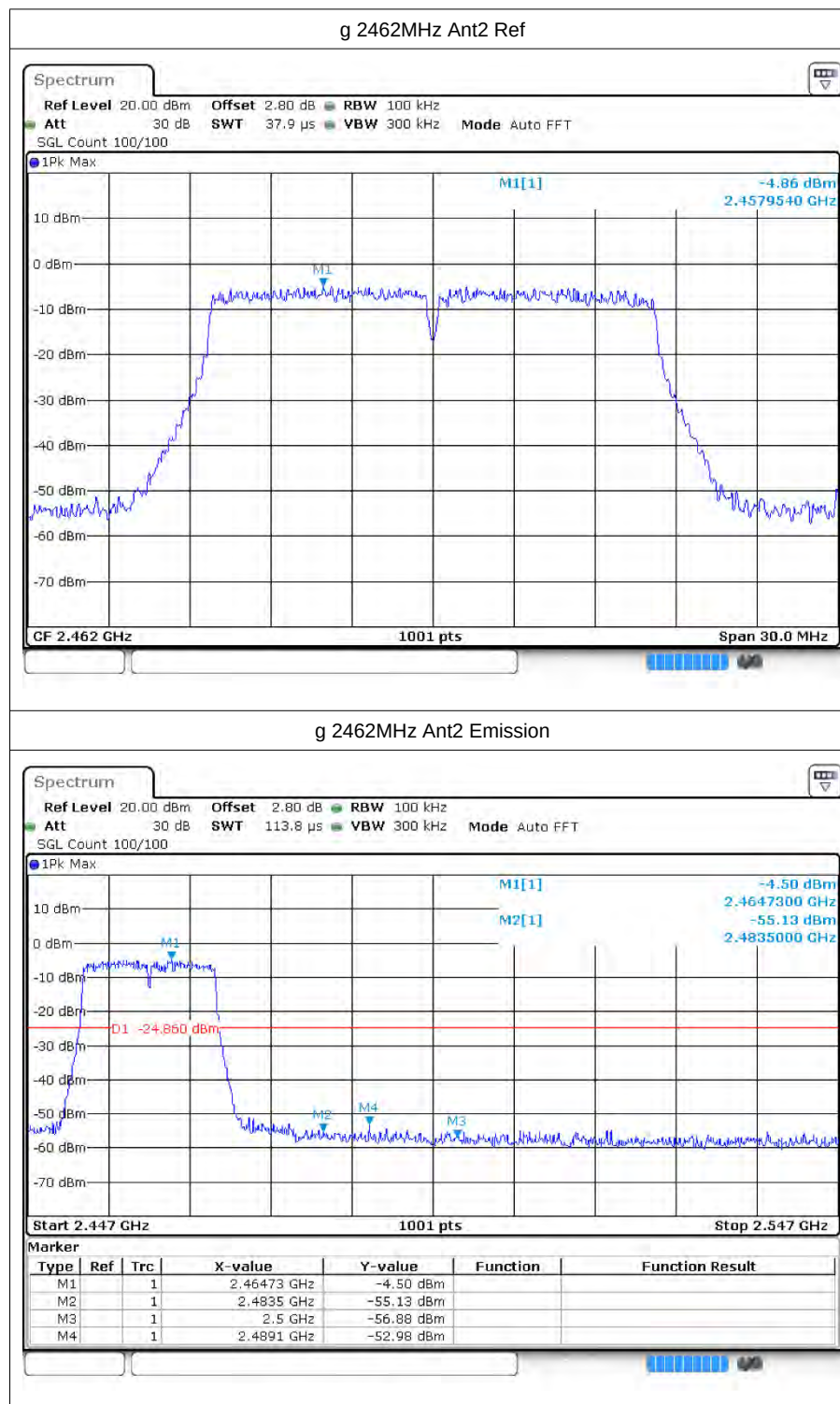


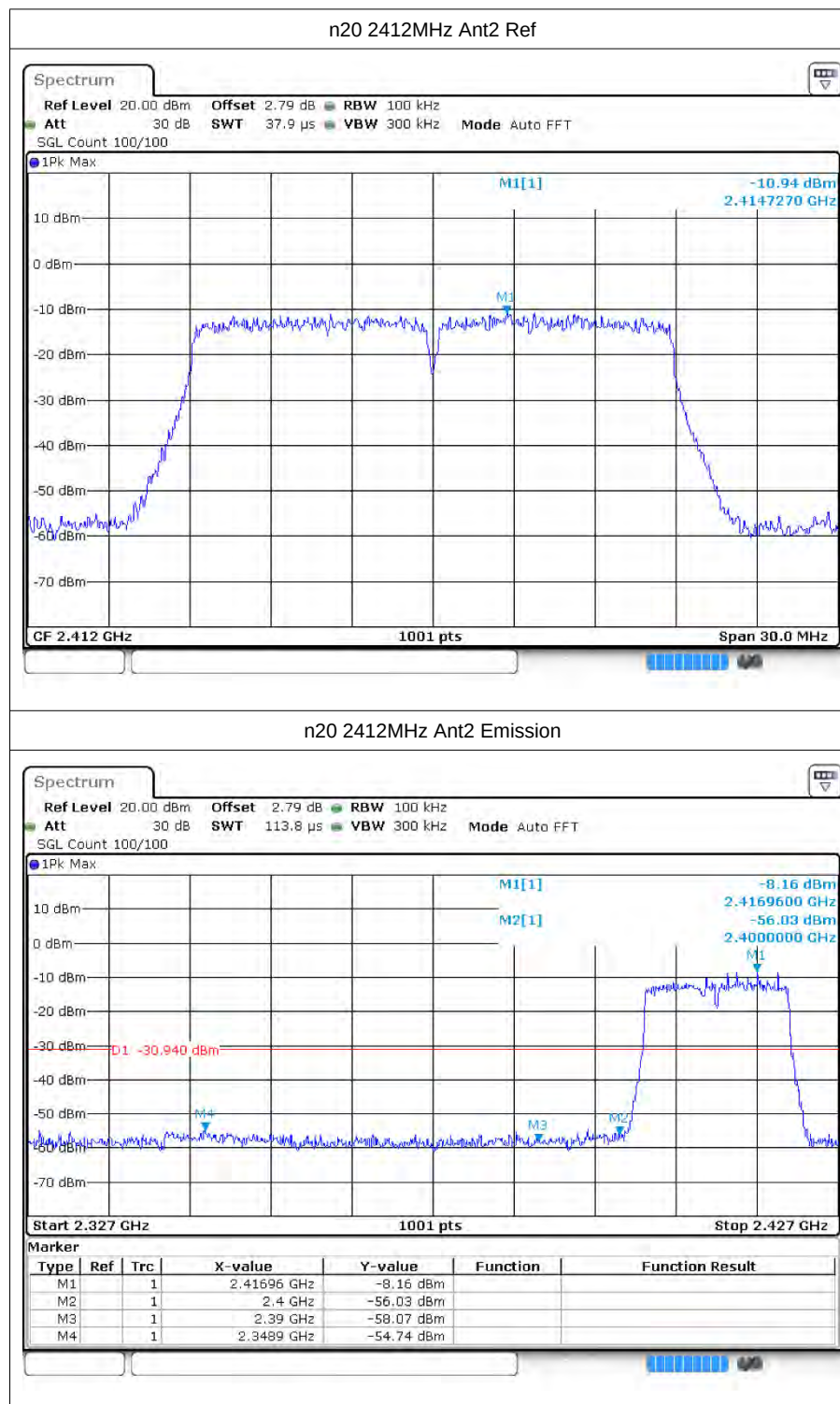


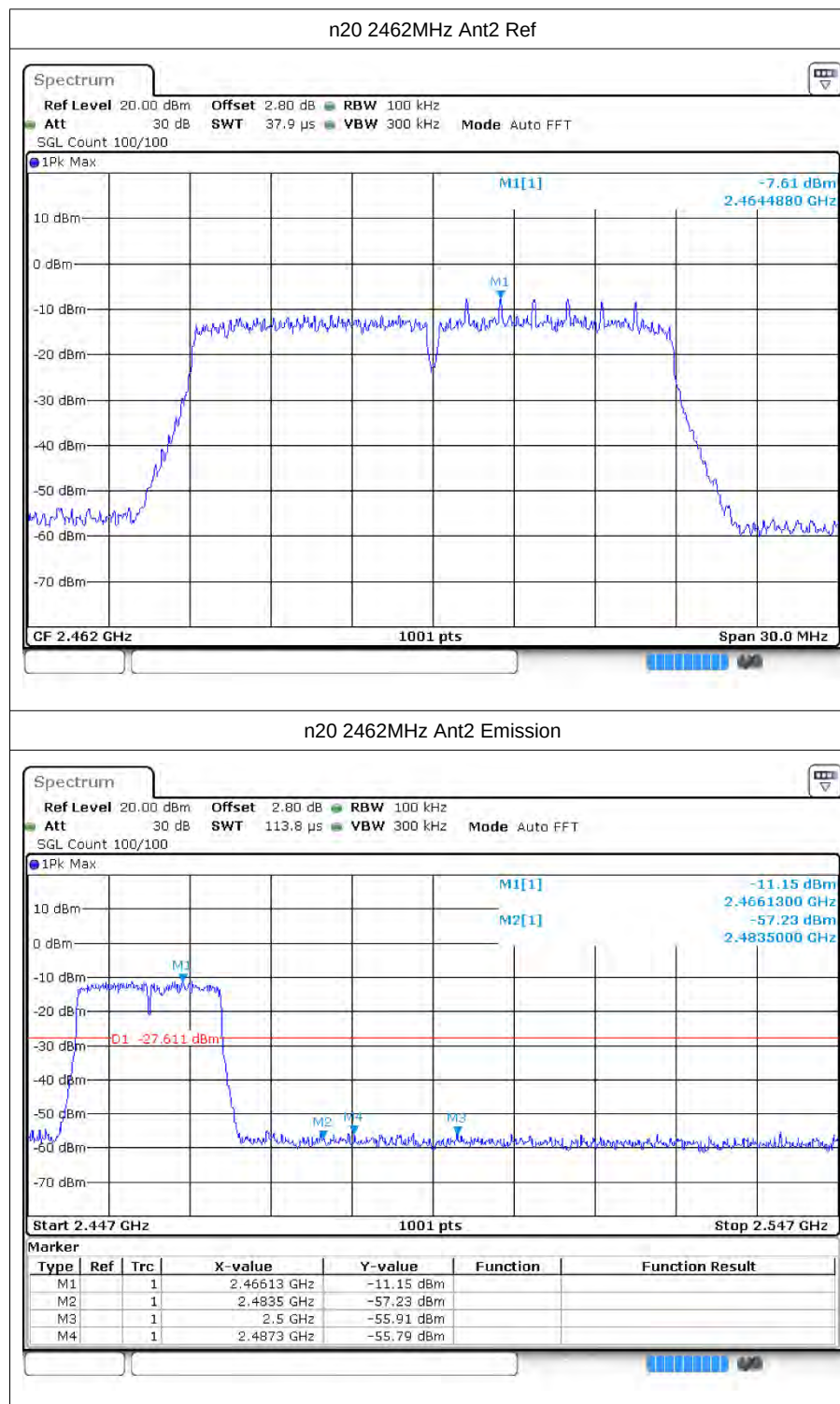


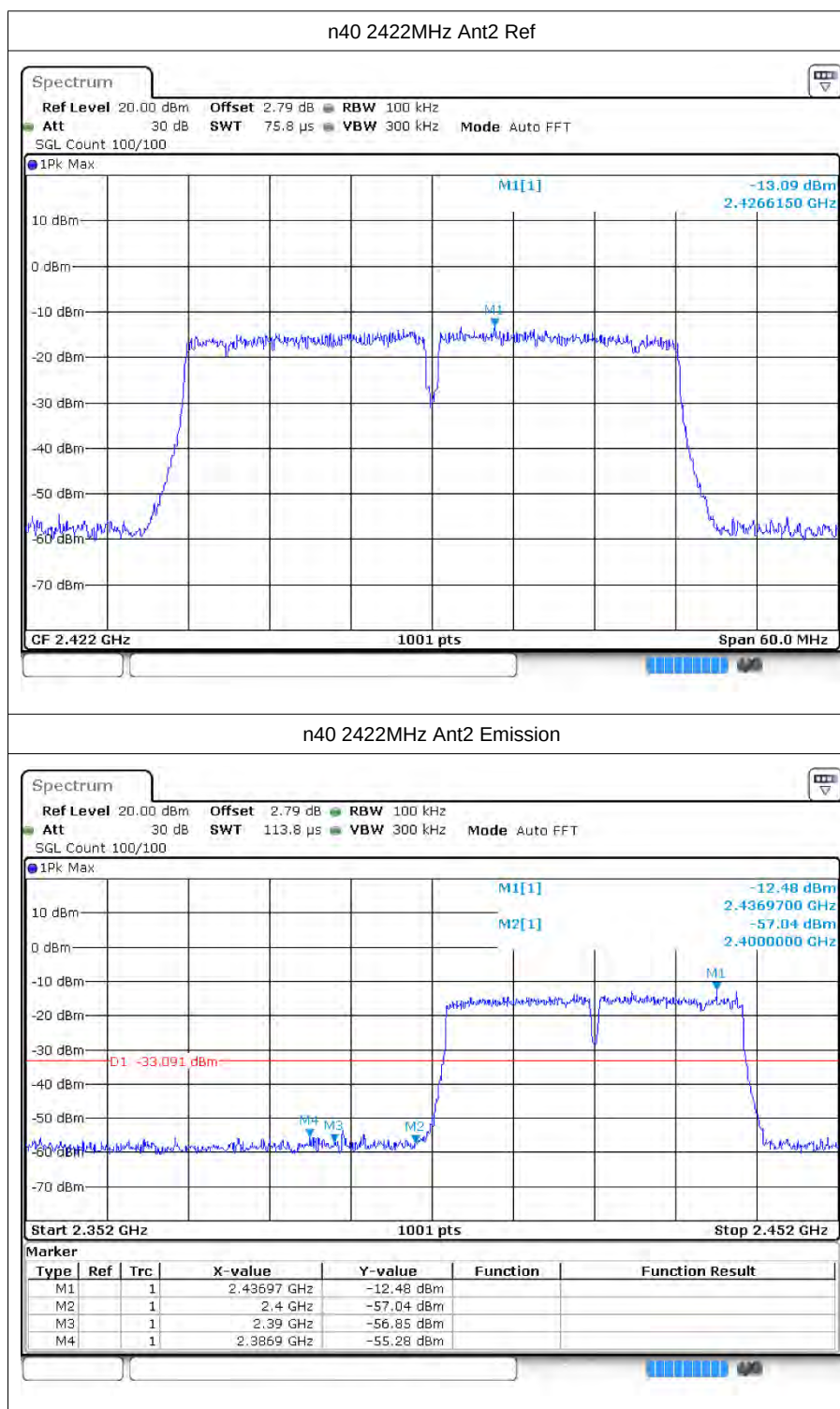


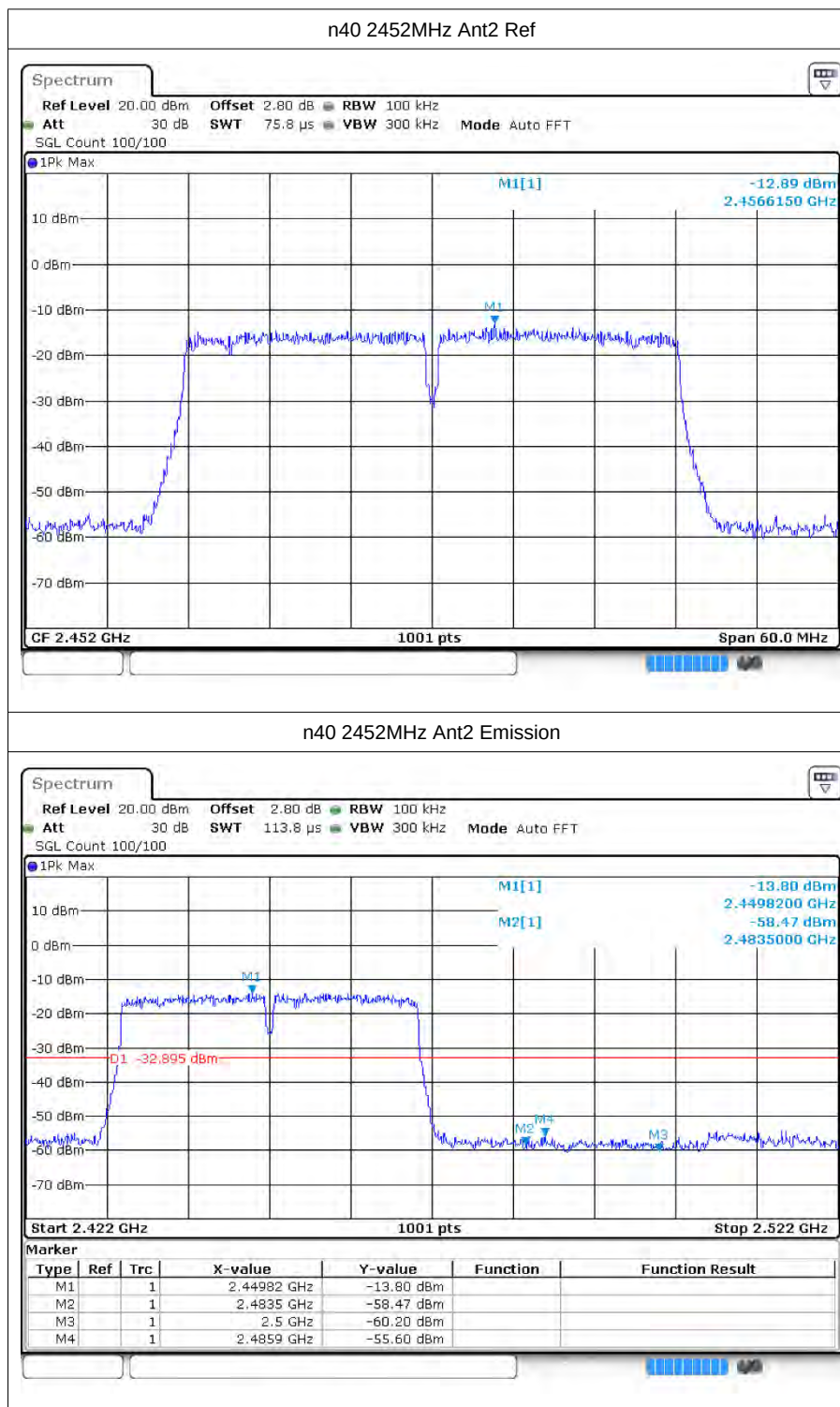




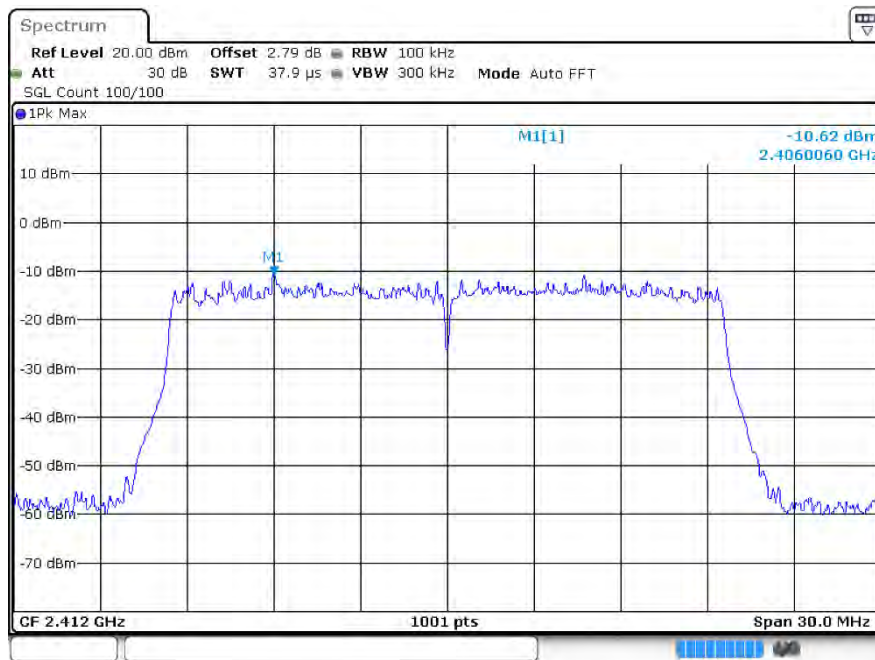




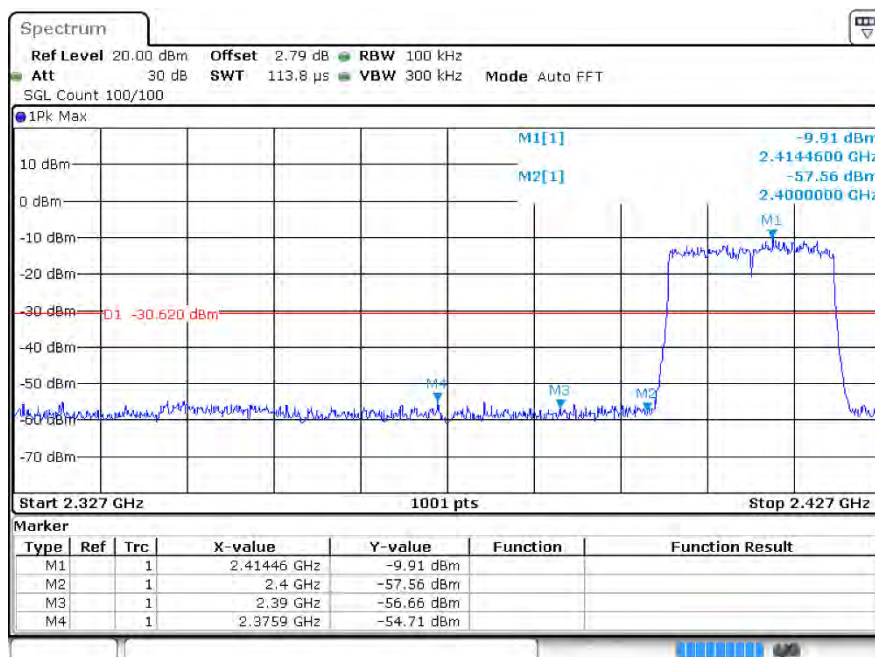


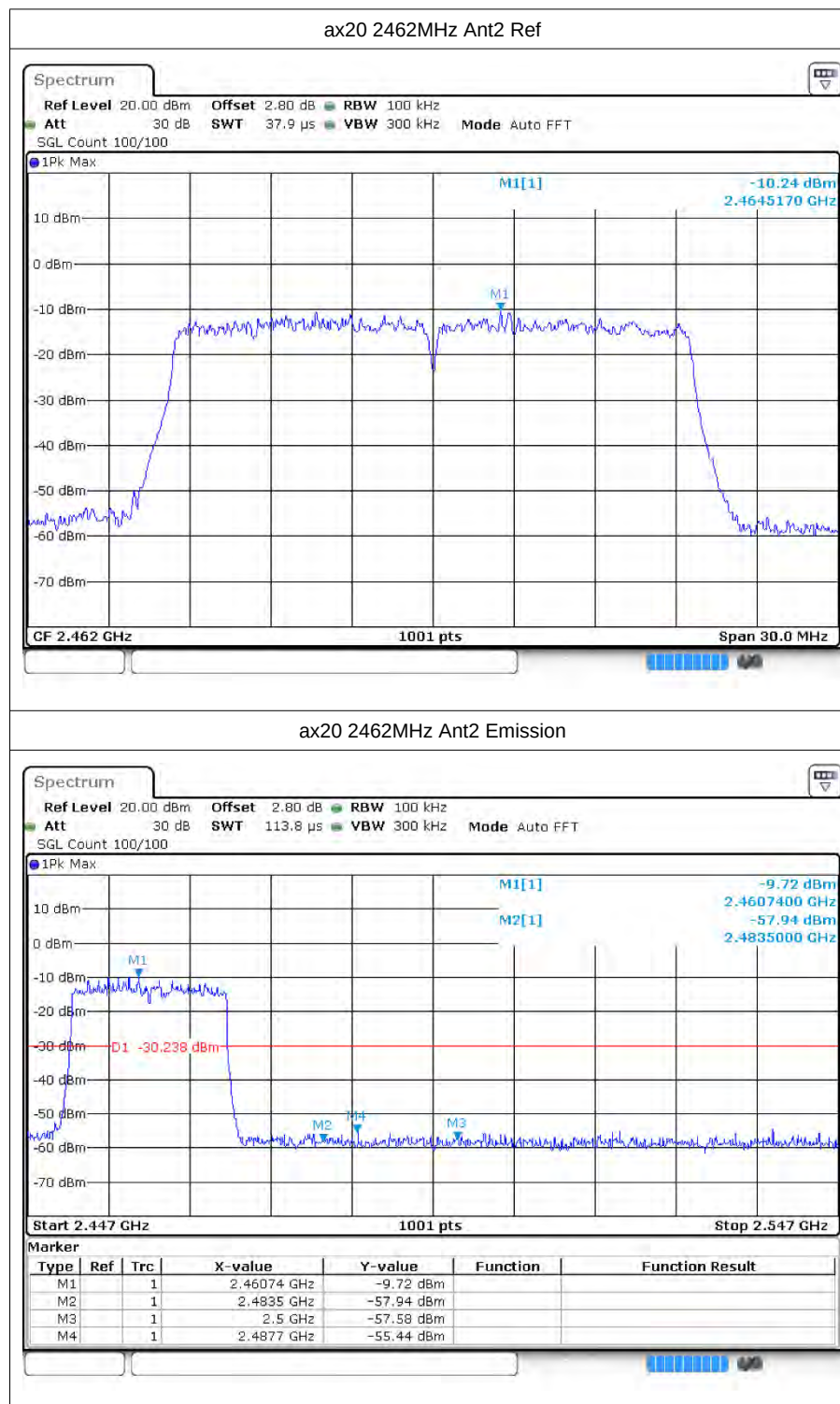


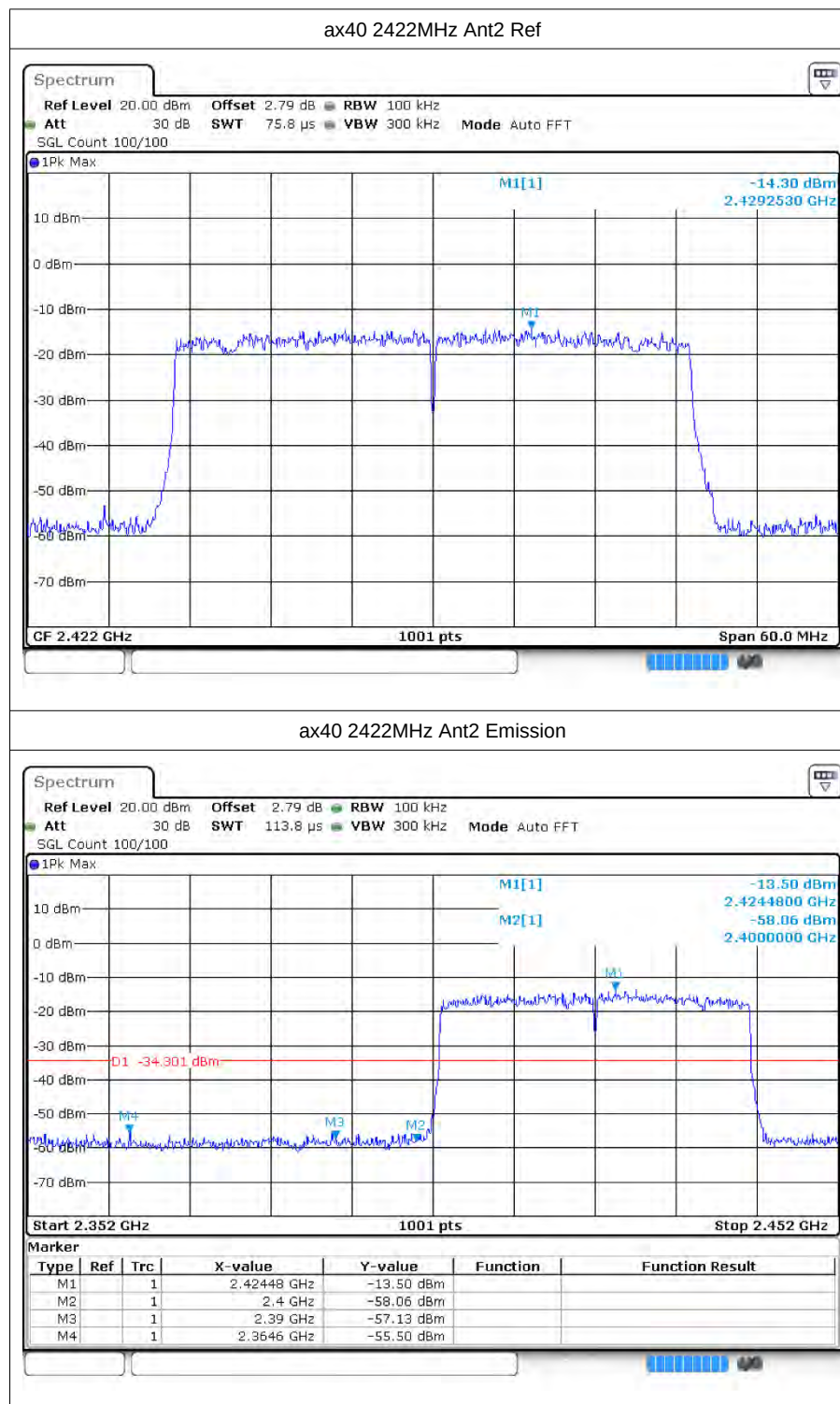
ax20 2412MHz Ant2 Ref

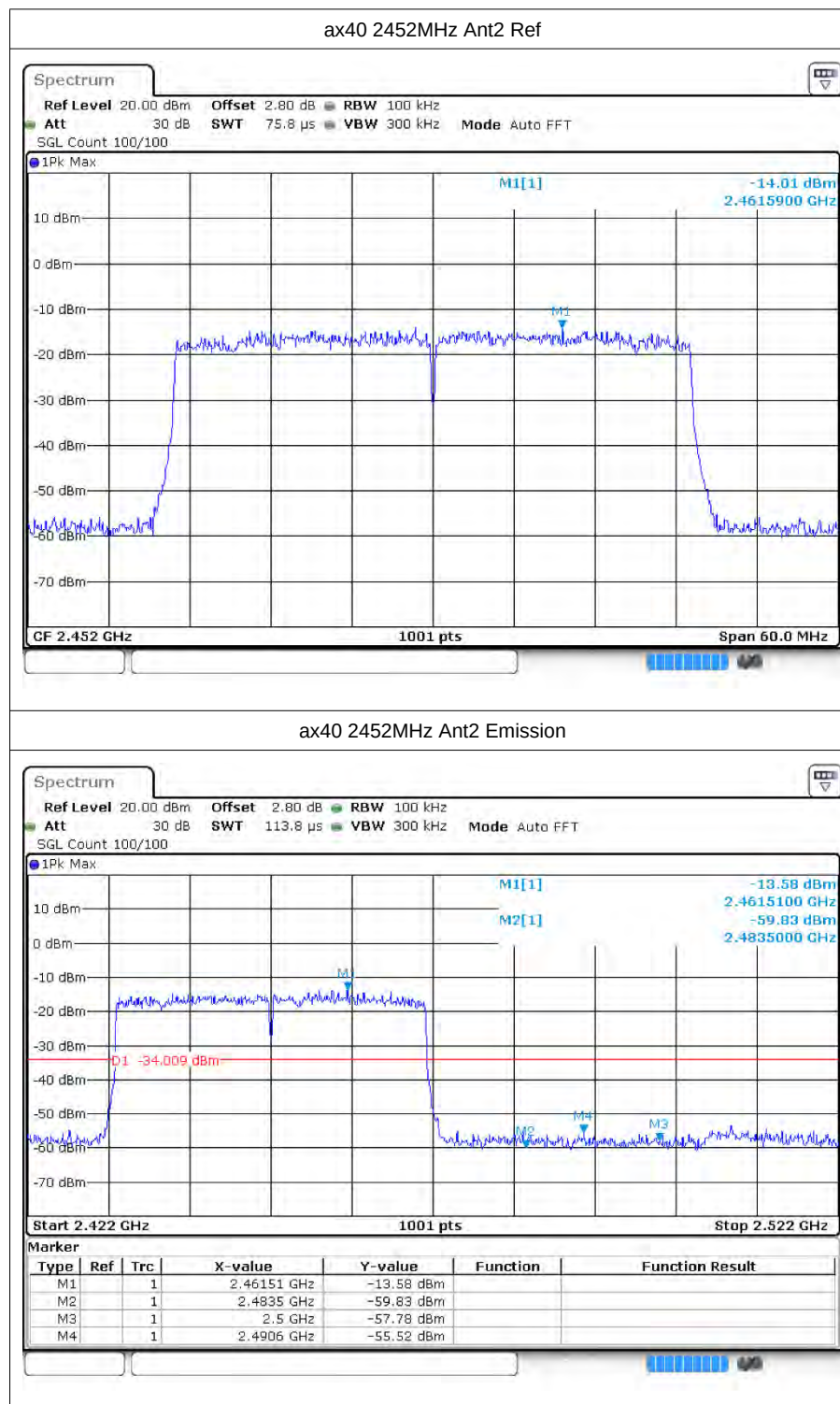


ax20 2412MHz Ant2 Emission









6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-44.47	-20	Pass
b	2437	Ant1	-44.66	-20	Pass
b	2462	Ant1	-44.45	-20	Pass
g	2412	Ant1	-38.42	-20	Pass
g	2437	Ant1	-36.95	-20	Pass
g	2462	Ant1	-37.62	-20	Pass
n20	2412	Ant1	-32.64	-20	Pass
n20	2437	Ant1	-31.92	-20	Pass
n20	2462	Ant1	-31.79	-20	Pass
n40	2422	Ant1	-30.74	-20	Pass
n40	2437	Ant1	-30.51	-20	Pass
n40	2452	Ant1	-28.57	-20	Pass
ax20	2412	Ant1	-31.79	-20	Pass
ax20	2437	Ant1	-33.06	-20	Pass
ax20	2462	Ant1	-30.39	-20	Pass
ax40	2422	Ant1	-31.3	-20	Pass
ax40	2437	Ant1	-28.67	-20	Pass
ax40	2452	Ant1	-27.7	-20	Pass
b	2412	Ant2	-44.47	-20	Pass
b	2437	Ant2	-43.93	-20	Pass
b	2462	Ant2	-42.63	-20	Pass
g	2412	Ant2	-37.26	-20	Pass
g	2437	Ant2	-37.33	-20	Pass
g	2462	Ant2	-37.41	-20	Pass
n20	2412	Ant2	-30.74	-20	Pass
n20	2437	Ant2	-30.09	-20	Pass
n20	2462	Ant2	-30.52	-20	Pass
n40	2422	Ant2	-26.92	-20	Pass
n40	2437	Ant2	-28.84	-20	Pass
n40	2452	Ant2	-29.49	-20	Pass
ax20	2412	Ant2	-29.59	-20	Pass
ax20	2437	Ant2	-30.34	-20	Pass
ax20	2462	Ant2	-28.95	-20	Pass
ax40	2422	Ant2	-26.06	-20	Pass



ax40	2437	Ant2	-28.59	-20	Pass
ax40	2452	Ant2	-29.47	-20	Pass

6.2 Test Graphs

