



Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP200

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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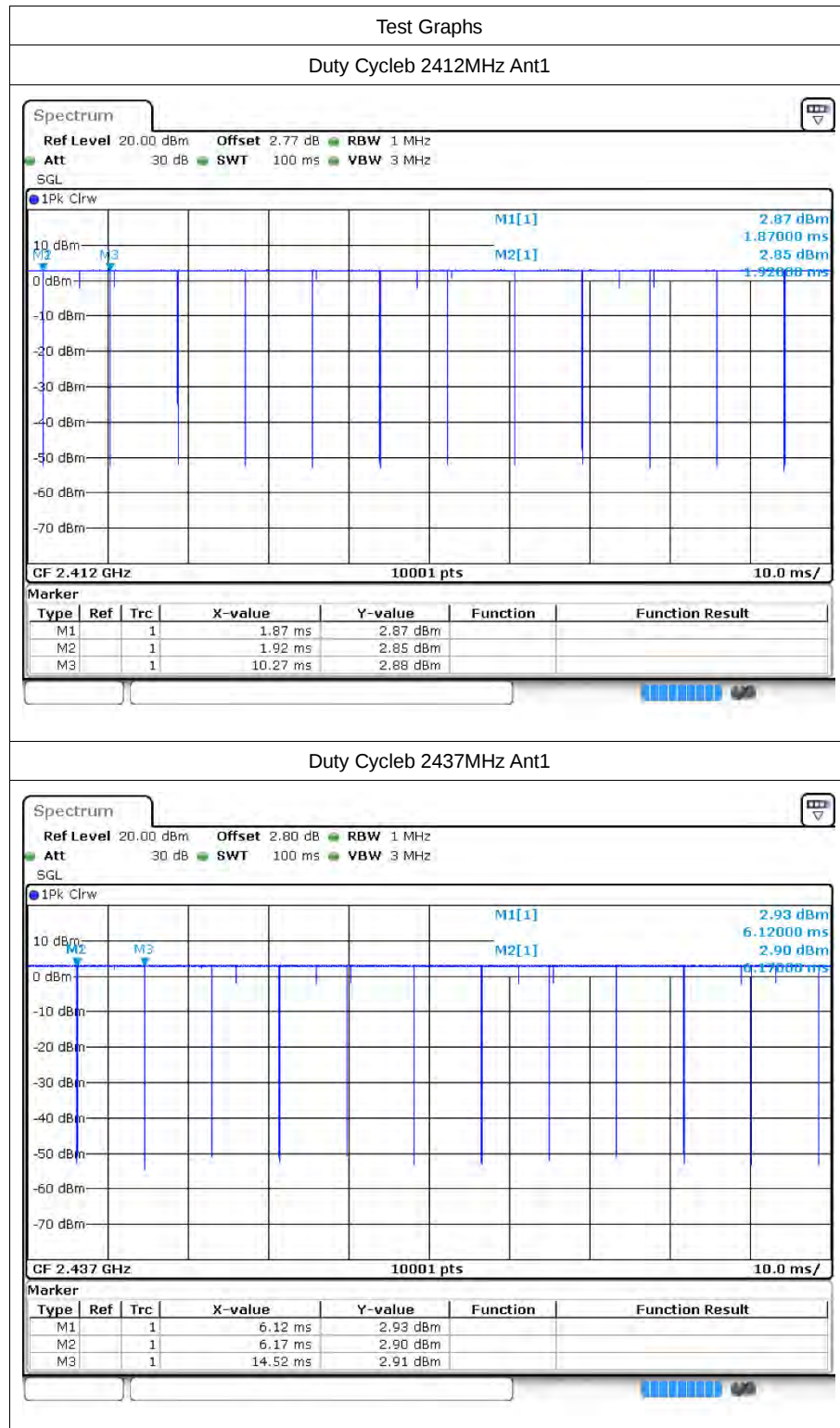


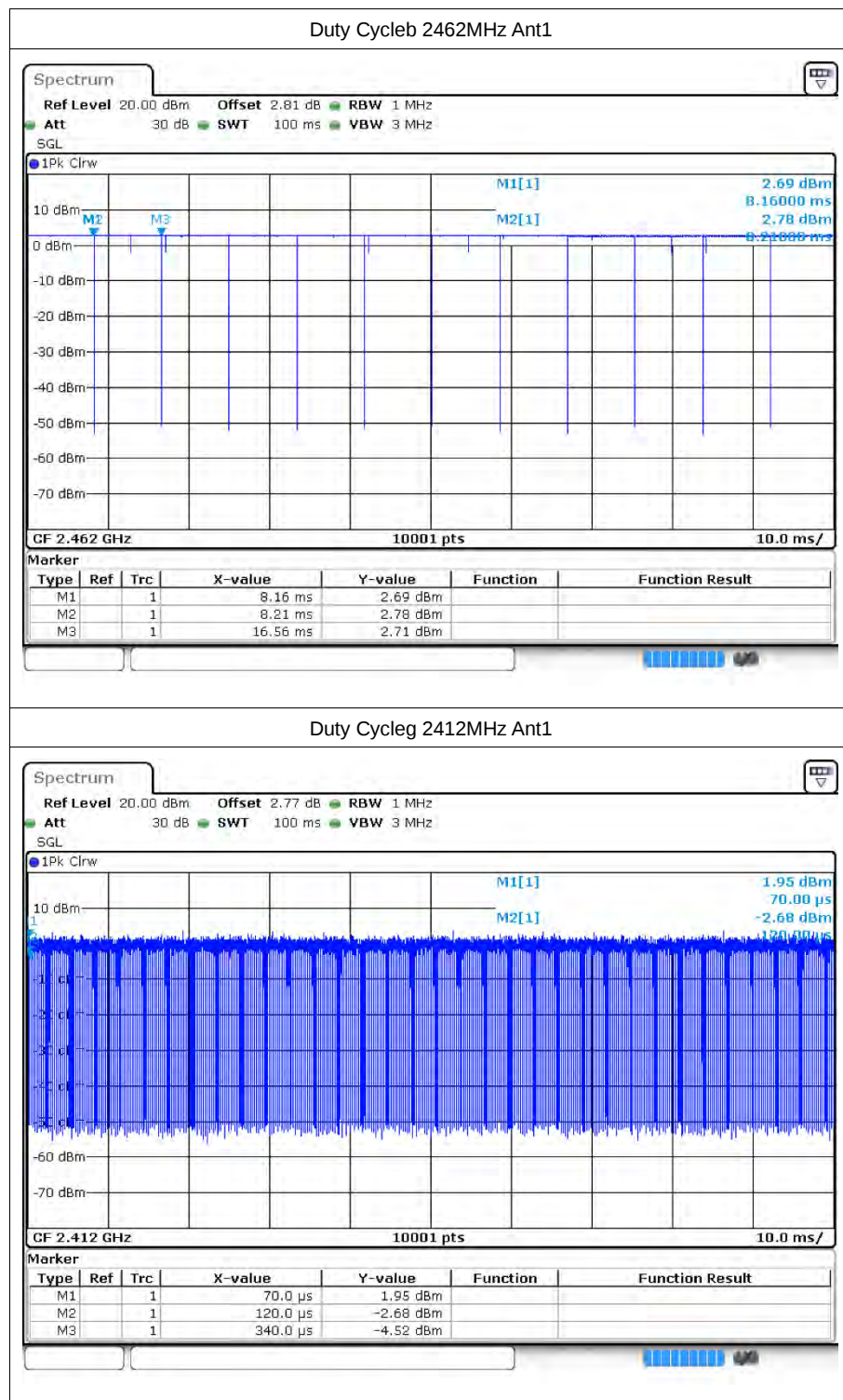
1 Duty Cycle

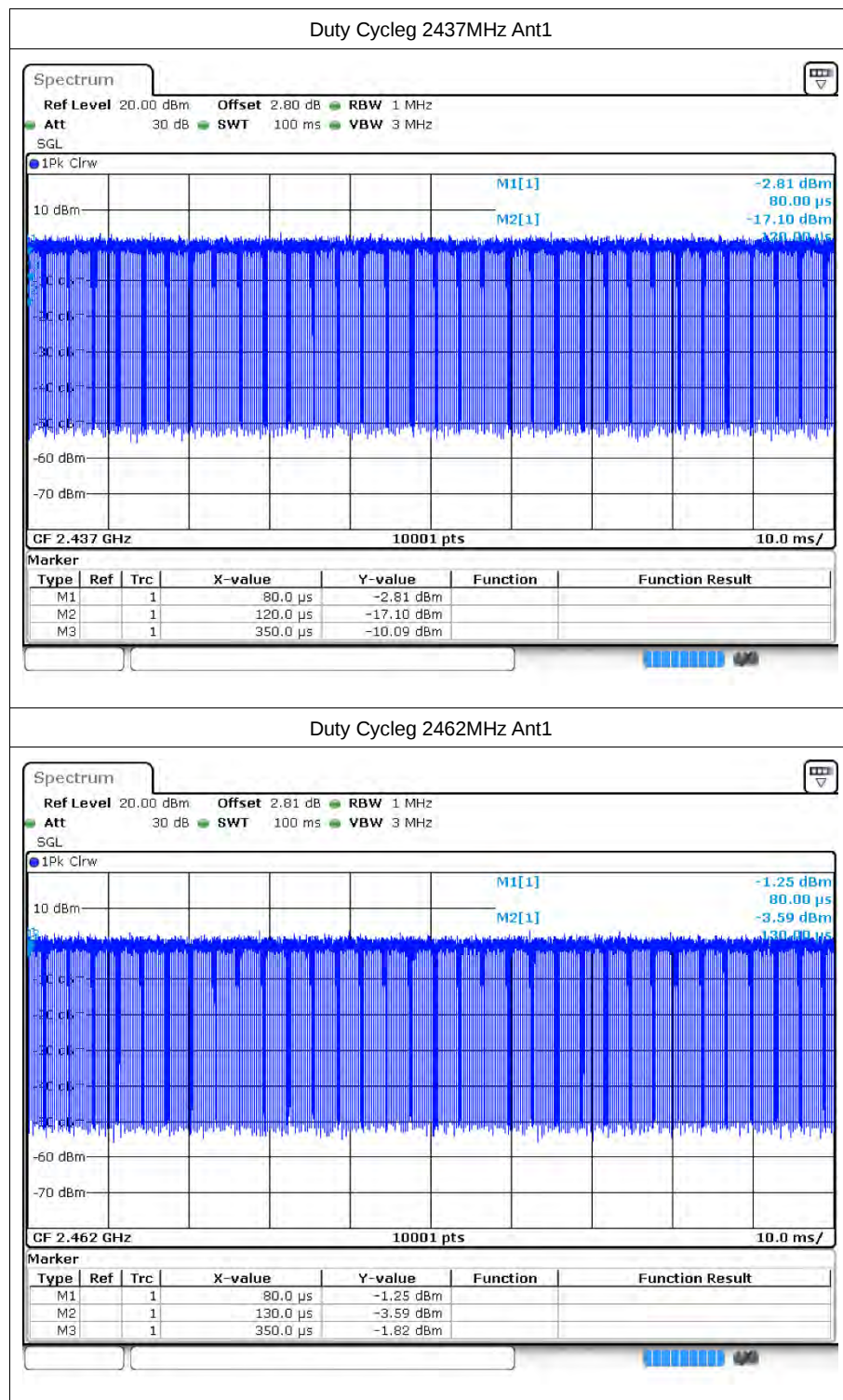
1.1 Test Result

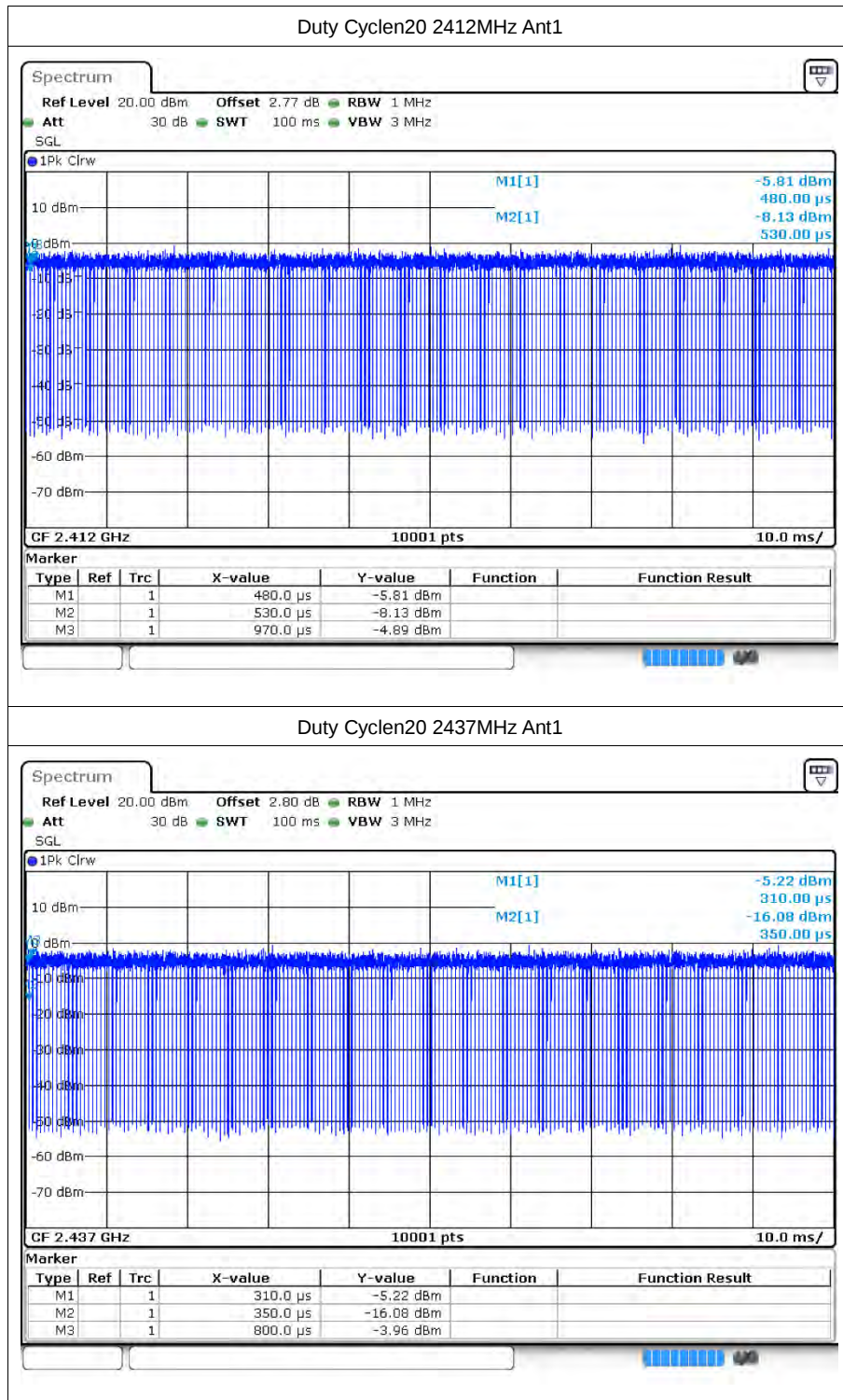
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b	2412	Ant1	99.59	0.12
b	2437	Ant1	99.6	0.12
b	2462	Ant1	99.63	0.12
g	2412	Ant1	99.59	0.12
g	2437	Ant1	99.6	0.12
g	2462	Ant1	99.63	0.12
n20	2412	Ant1	92.89	2.27
n20	2437	Ant1	92.91	2.22
n20	2462	Ant1	92.95	2.22
n40	2422	Ant1	92.6	2.27
n40	2437	Ant1	92.43	2.27
n40	2452	Ant1	92.49	2.27
ax20	2412	Ant1	86.98	4.35
ax20	2437	Ant1	86.99	4.35
ax20	2462	Ant1	87.05	4.35
ax40	2422	Ant1	87.25	4.17
ax40	2437	Ant1	86.6	4.17
ax40	2452	Ant1	85.74	4.17
b	2412	Ant2	99.6	0.12
b	2437	Ant2	99.6	0.12
b	2462	Ant2	99.6	0.12
g	2412	Ant2	99.6	0.12
g	2437	Ant2	99.6	0.12
g	2462	Ant2	99.6	0.12
n20	2412	Ant2	93.01	2.22
n20	2437	Ant2	92.95	2.22
n20	2462	Ant2	92.96	2.22
n40	2422	Ant2	92.88	2.27
n40	2437	Ant2	92.83	2.22
n40	2452	Ant2	92.89	2.27
ax20	2412	Ant2	87	4.55
ax20	2437	Ant2	87.04	4.55
ax20	2462	Ant2	87.07	4.35
ax40	2422	Ant2	87.24	4.17
ax40	2437	Ant2	86.32	4.17
ax40	2452	Ant2	87.57	4.17

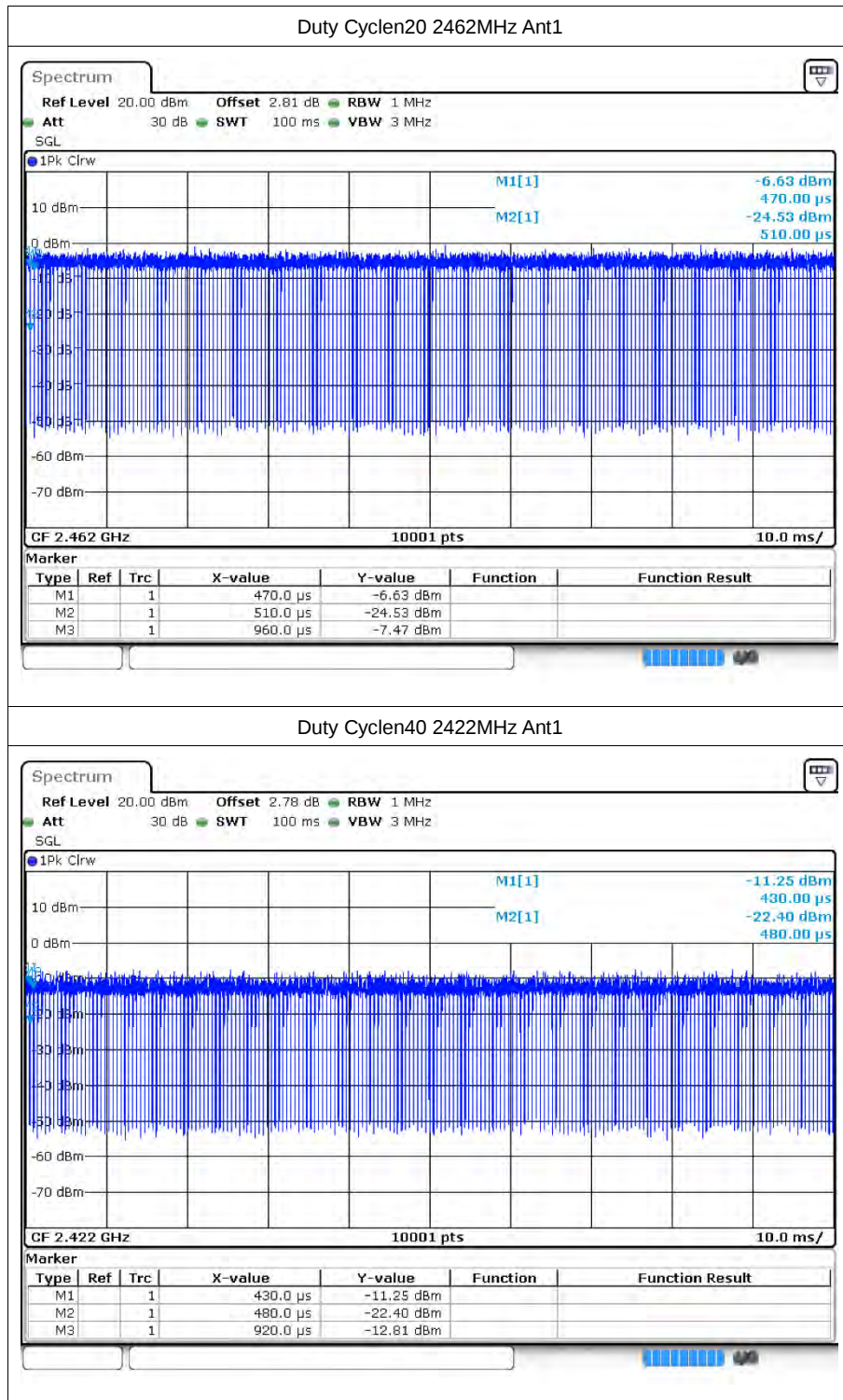
Test Graphs

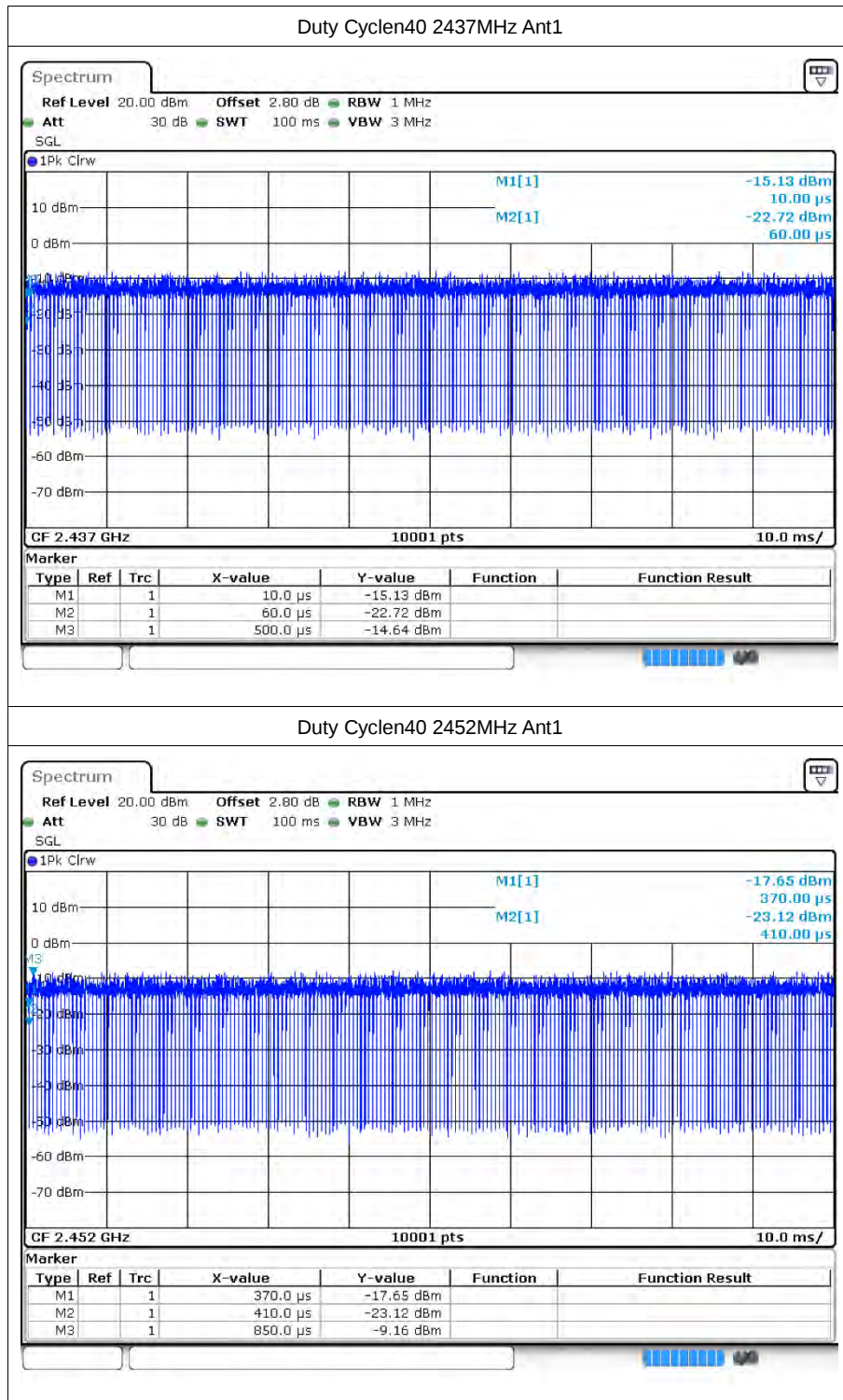






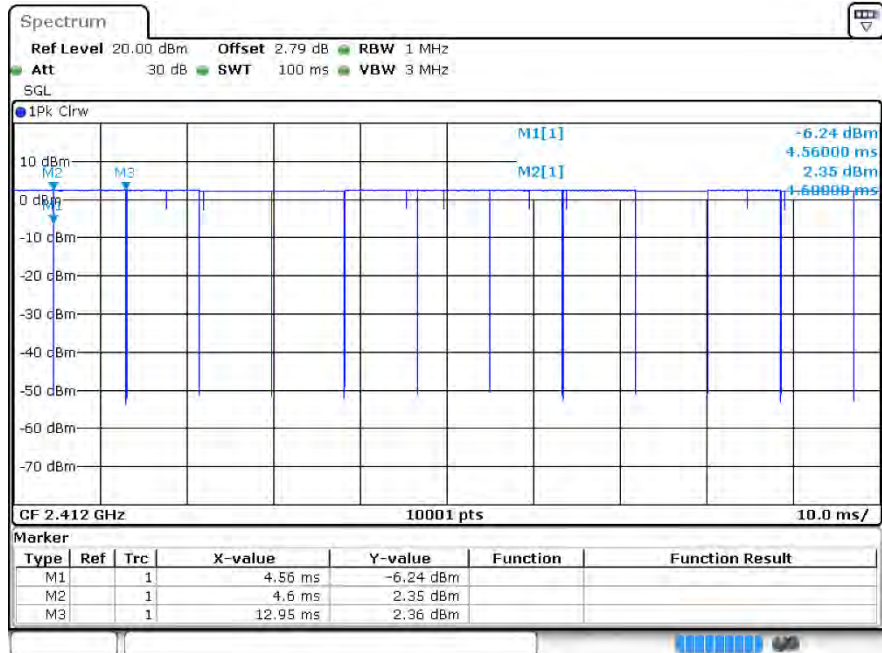




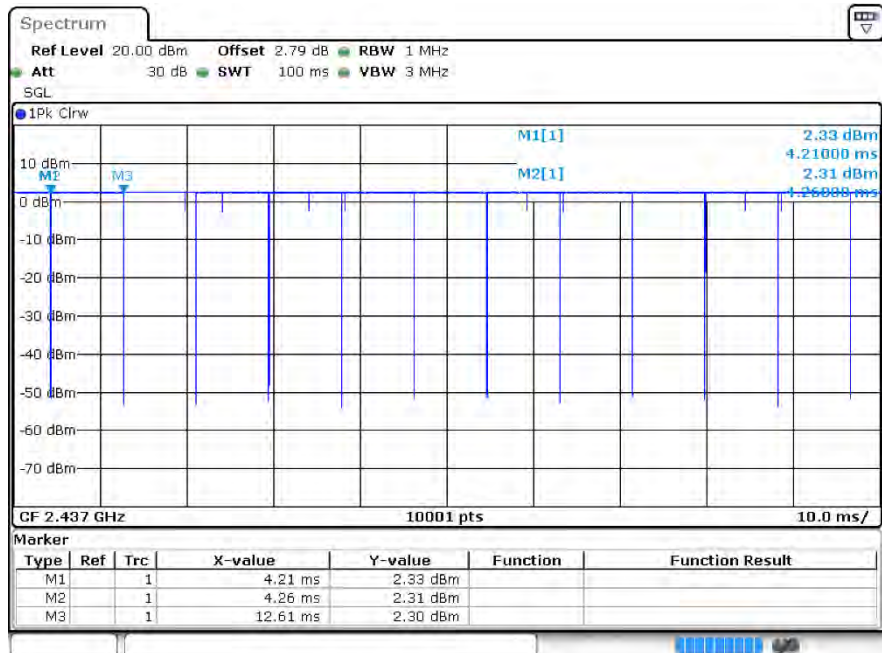


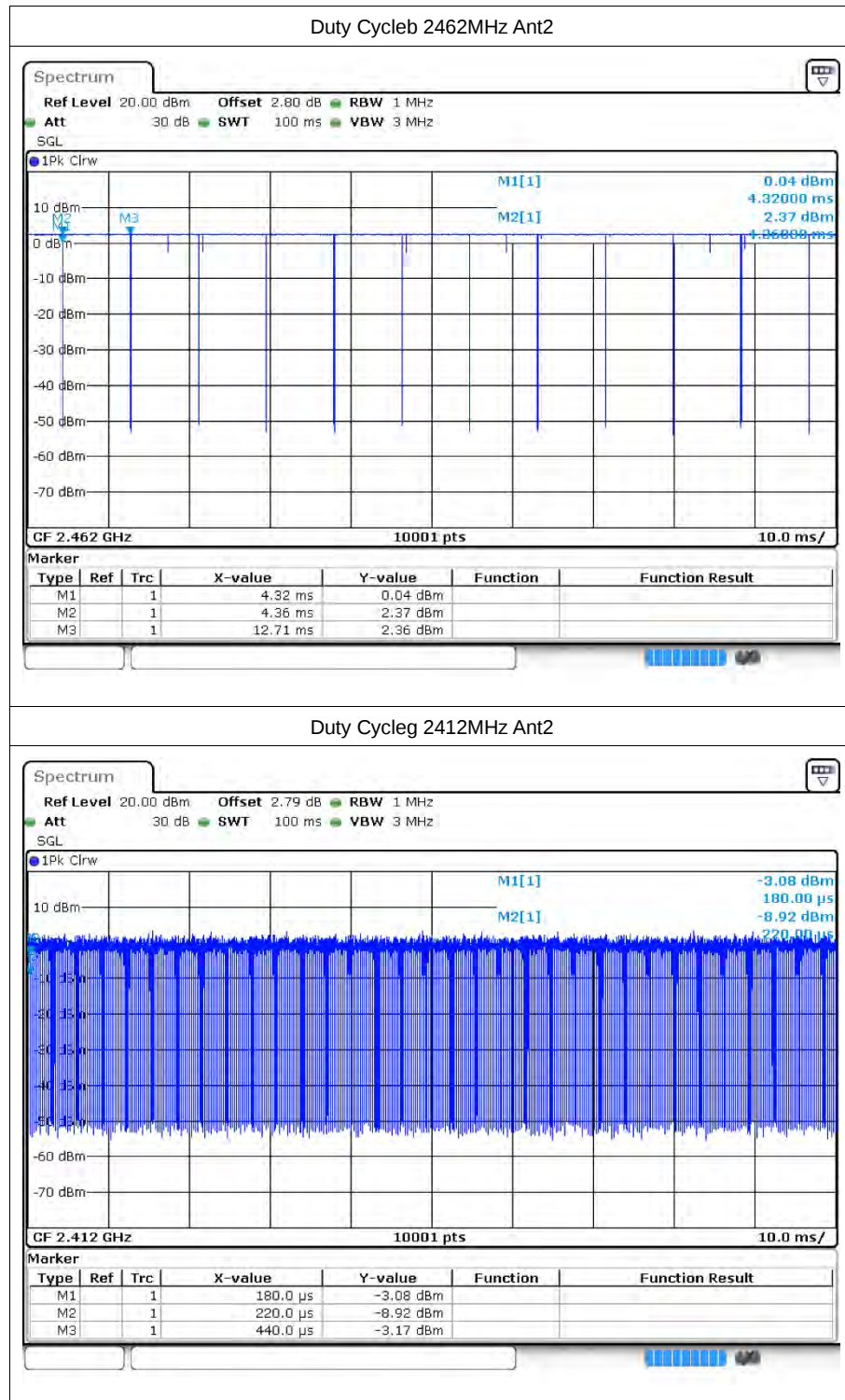
Test Graphs

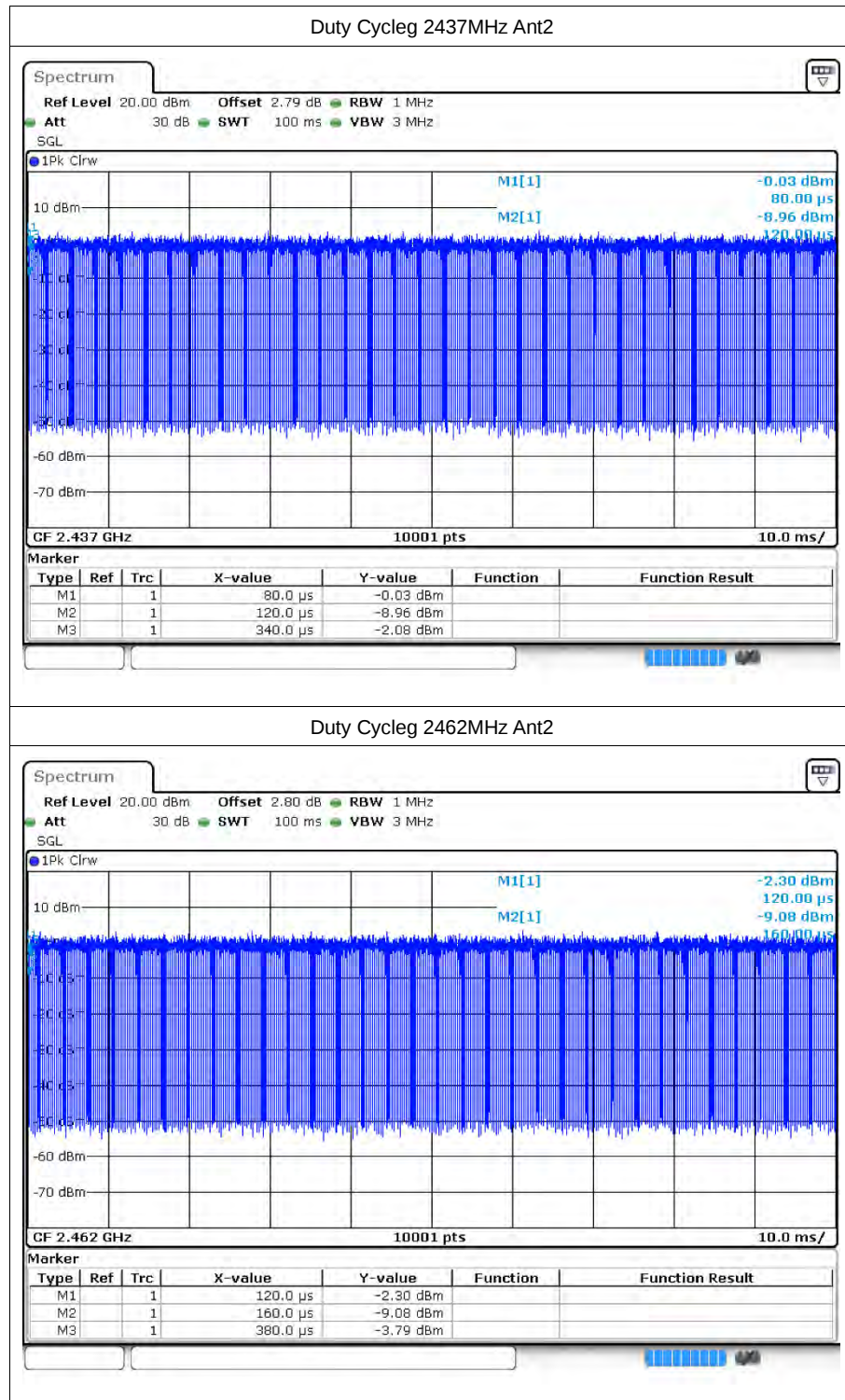
Duty Cycleb 2412MHz Ant2

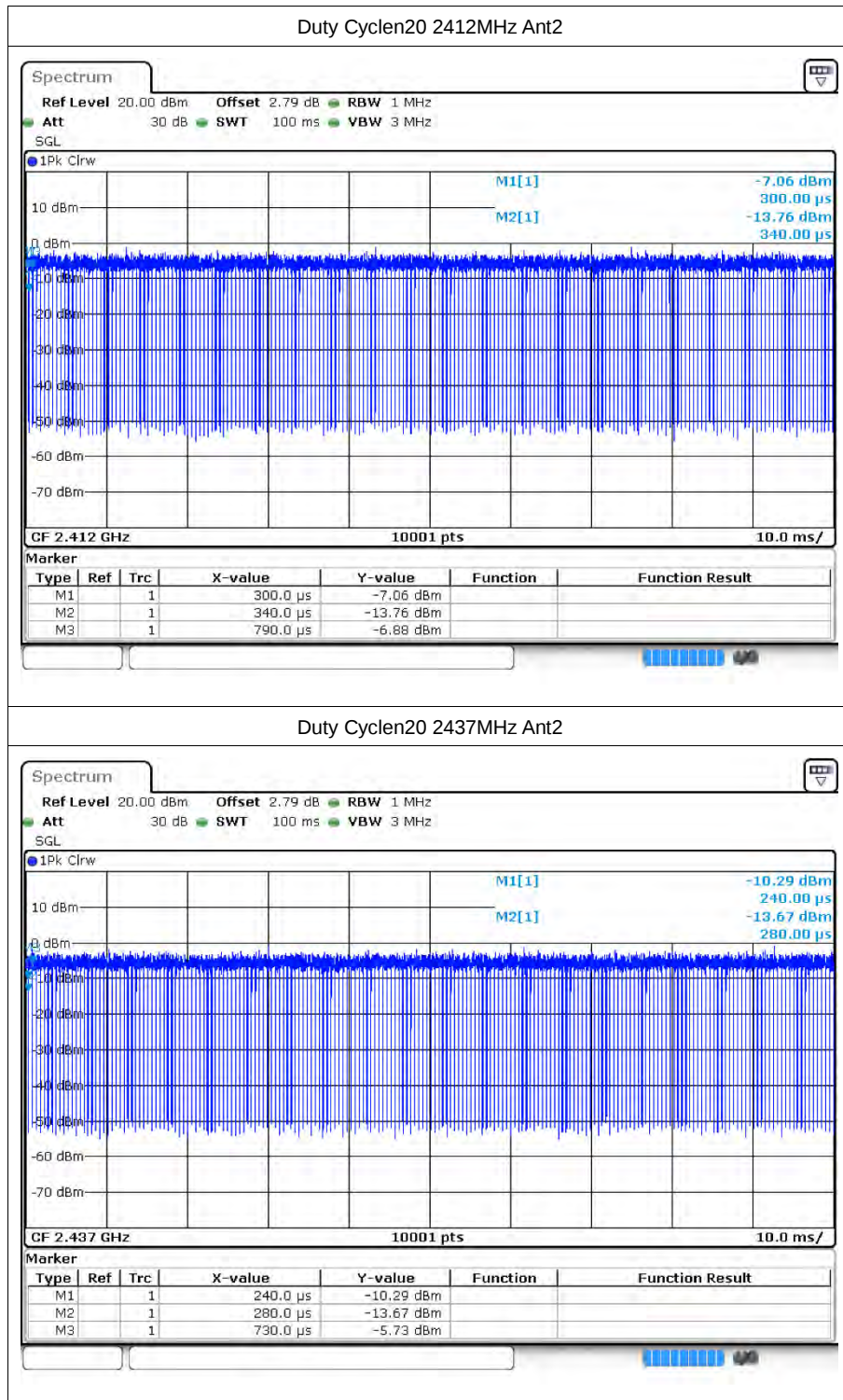


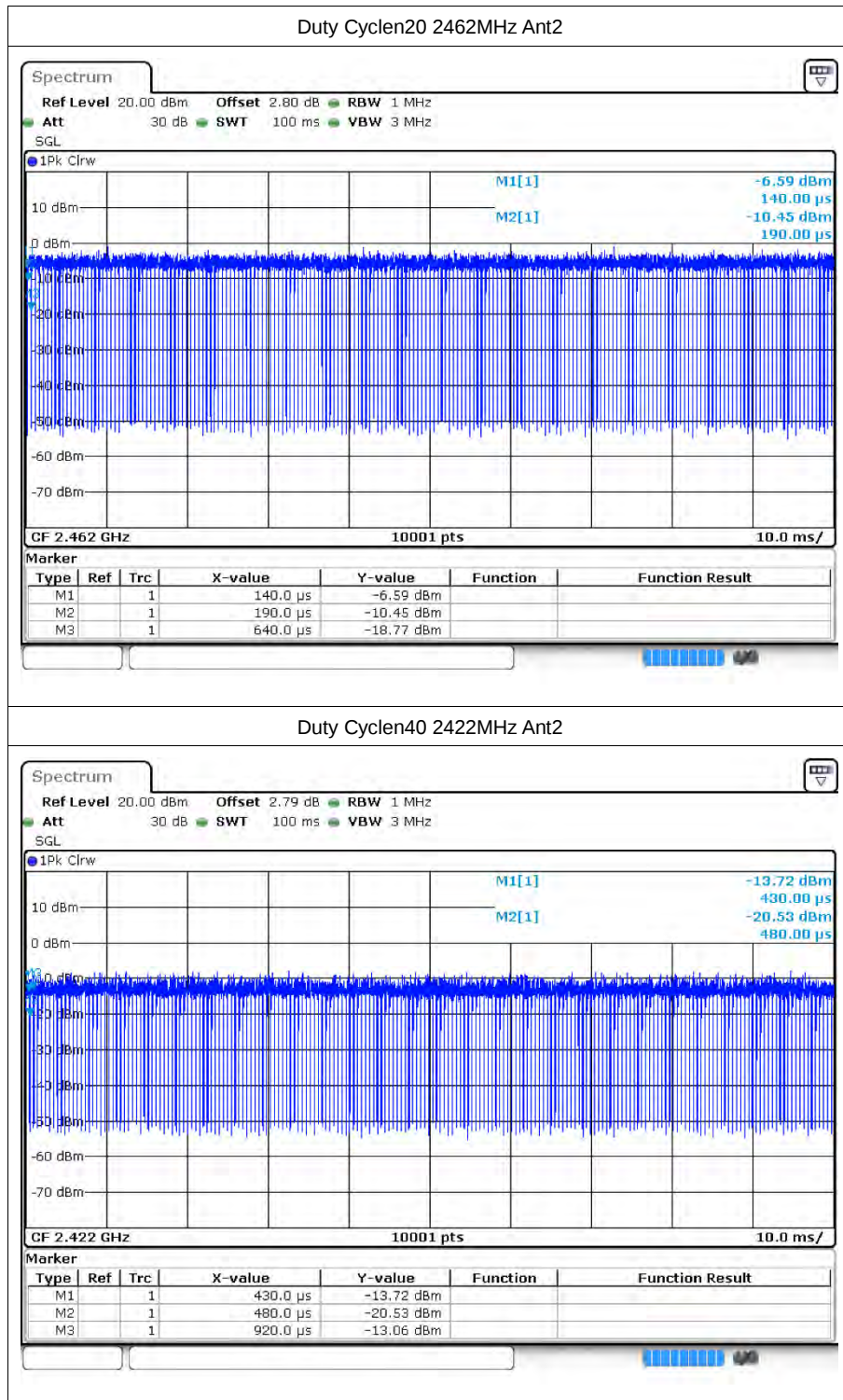
Duty Cycleb 2437MHz Ant2

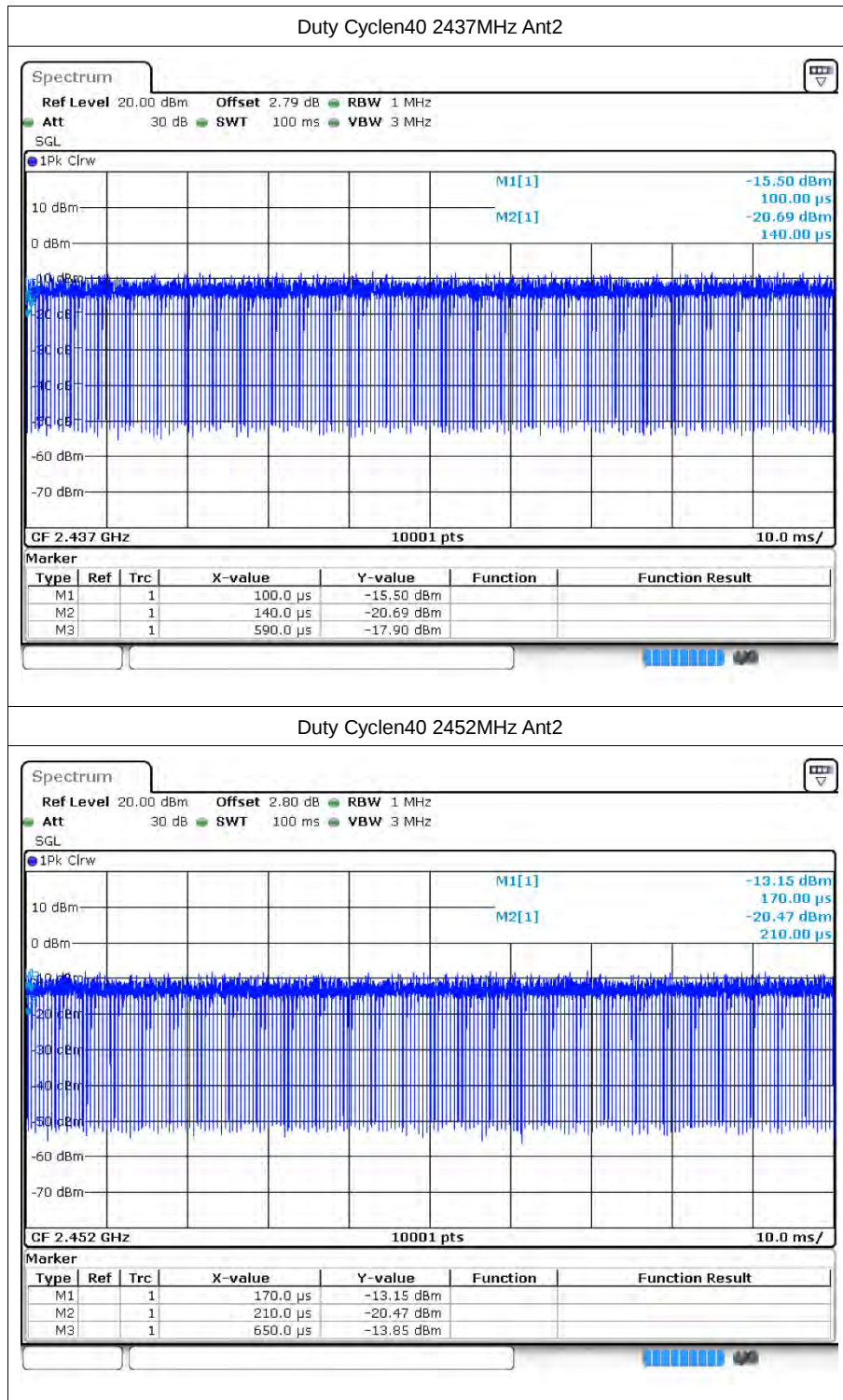




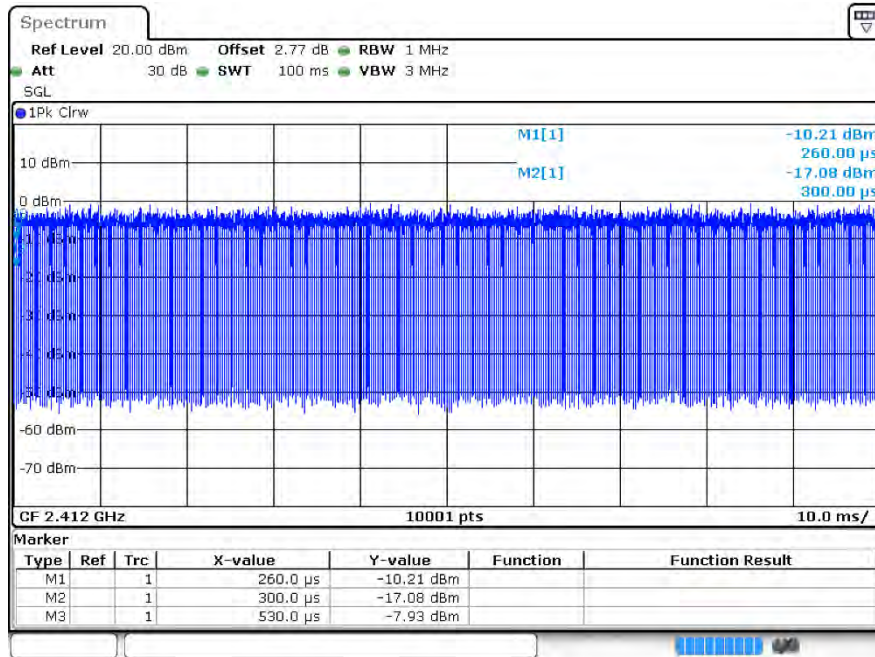




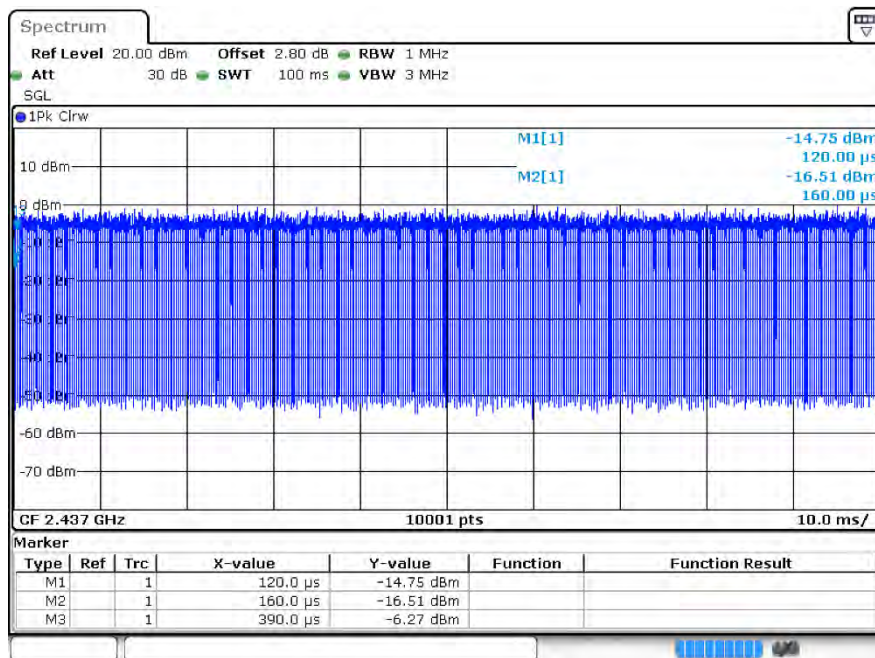


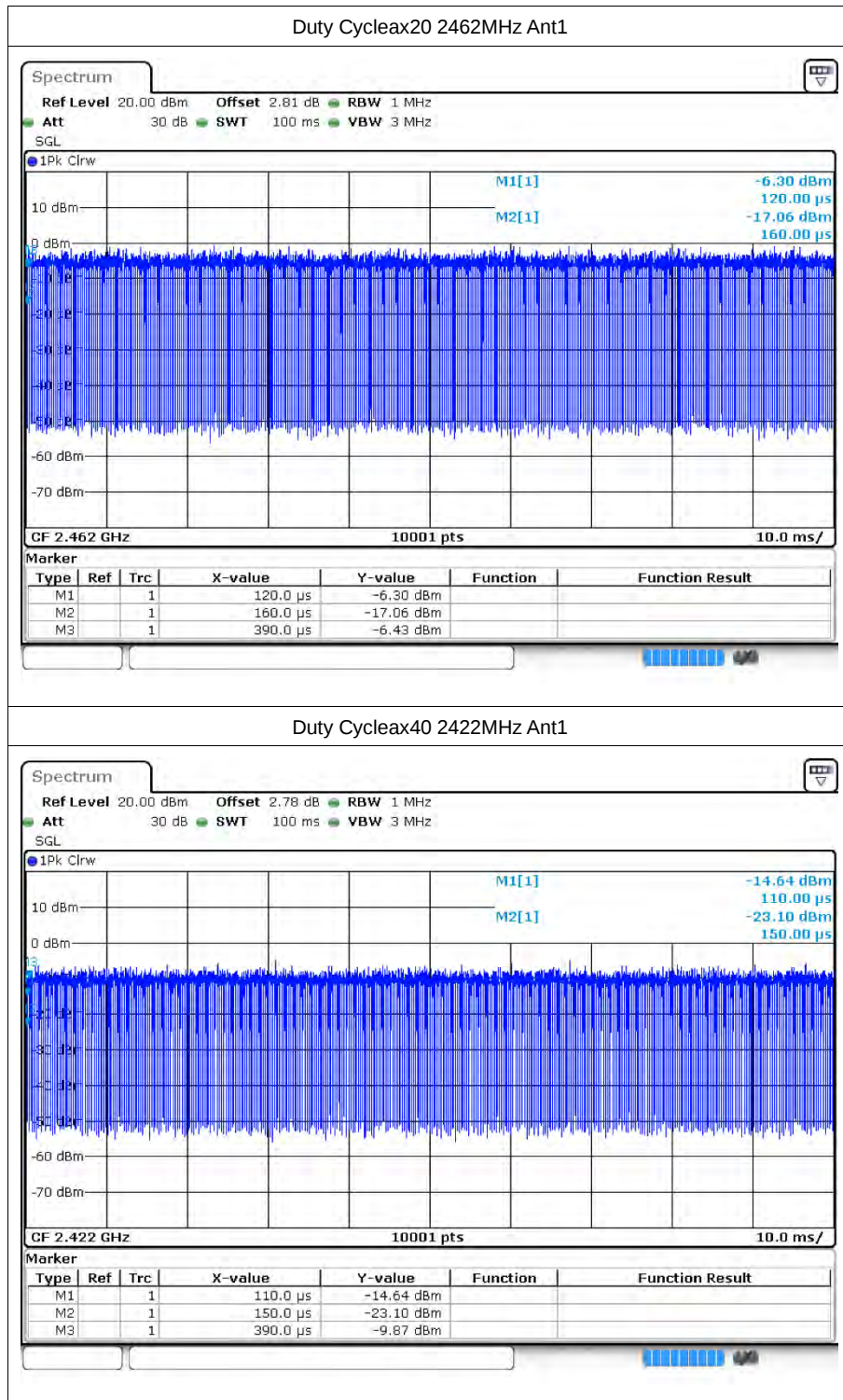


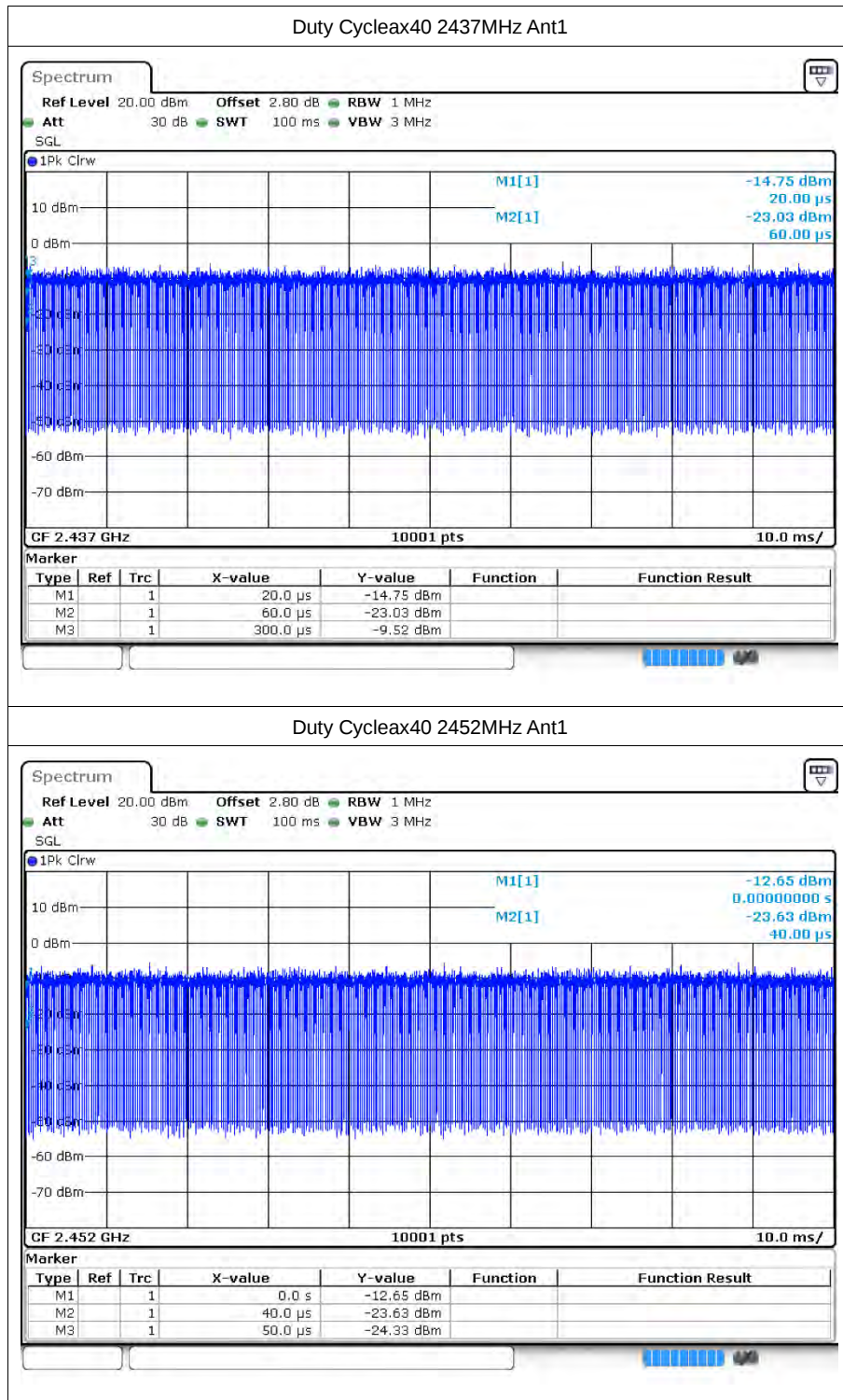
Duty Cycleax20 2412MHz Ant1



Duty Cycleax20 2437MHz Ant1







2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	13.36	30	Pass
b	2437	Ant1	13.43	30	Pass
b	2462	Ant1	13.1	30	Pass
b	2412	Ant2	12.92	30	Pass
b	2437	Ant2	12.92	30	Pass
b	2462	Ant2	11.87	30	Pass
g	2412	Ant1	12.9	30	Pass
g	2437	Ant1	12.97	30	Pass
g	2462	Ant1	12.63	30	Pass
g	2412	Ant2	12.64	30	Pass
g	2437	Ant2	12.56	30	Pass
g	2462	Ant2	12.47	30	Pass
n20	2412	Ant1	9.46	30	Pass
n20	2437	Ant1	9.51	30	Pass
n20	2462	Ant1	9.24	30	Pass
n20	2412	Ant2	9.1	30	Pass
n20	2437	Ant2	9.24	30	Pass
n20	2462	Ant2	9.01	30	Pass
n20	2412	Sum	12.29	30	Pass
n20	2437	Sum	12.39	30	Pass
n20	2462	Sum	12.14	30	Pass
n40	2422	Ant1	8.77	30	Pass
n40	2437	Ant1	8.71	30	Pass
n40	2452	Ant1	8.56	30	Pass
n40	2422	Ant2	8.47	30	Pass
n40	2437	Ant2	8.23	30	Pass
n40	2452	Ant2	8.16	30	Pass
n40	2422	Sum	11.63	30	Pass
n40	2437	Sum	11.49	30	Pass
n40	2452	Sum	11.37	30	Pass
ax20	2412	Ant1	9.51	30	Pass
ax20	2437	Ant1	9.46	30	Pass
ax20	2462	Ant1	9.33	30	Pass
ax20	2412	Ant2	9.4	30	Pass



ax20	2437	Ant2	9.45	30	Pass
ax20	2462	Ant2	9.06	30	Pass
ax20	2412	Sum	12.44	30	Pass
ax20	2437	Sum	12.32	30	Pass
ax20	2462	Sum	12.27	30	Pass
ax40	2422	Ant1	8.62	30	Pass
ax40	2437	Ant1	8.71	30	Pass
ax40	2452	Ant1	8.55	30	Pass
ax40	2422	Ant2	8.58	30	Pass
ax40	2437	Ant2	8.19	30	Pass
ax40	2452	Ant2	8.39	30	Pass
ax40	2422	Sum	11.61	30	Pass
ax40	2437	Sum	11.47	30	Pass
ax40	2452	Sum	11.48	30	Pass

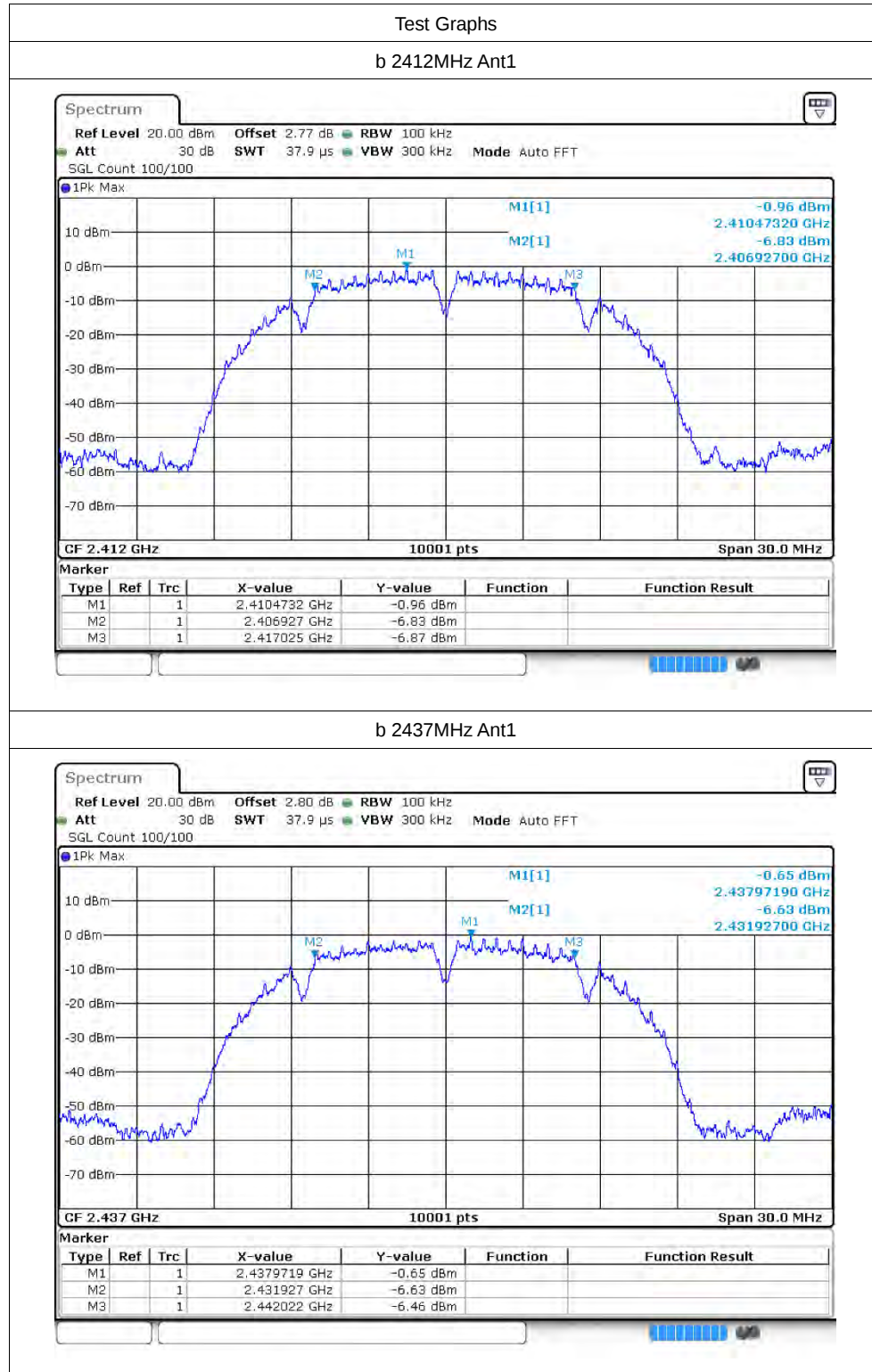


3 -6dB Bandwidth

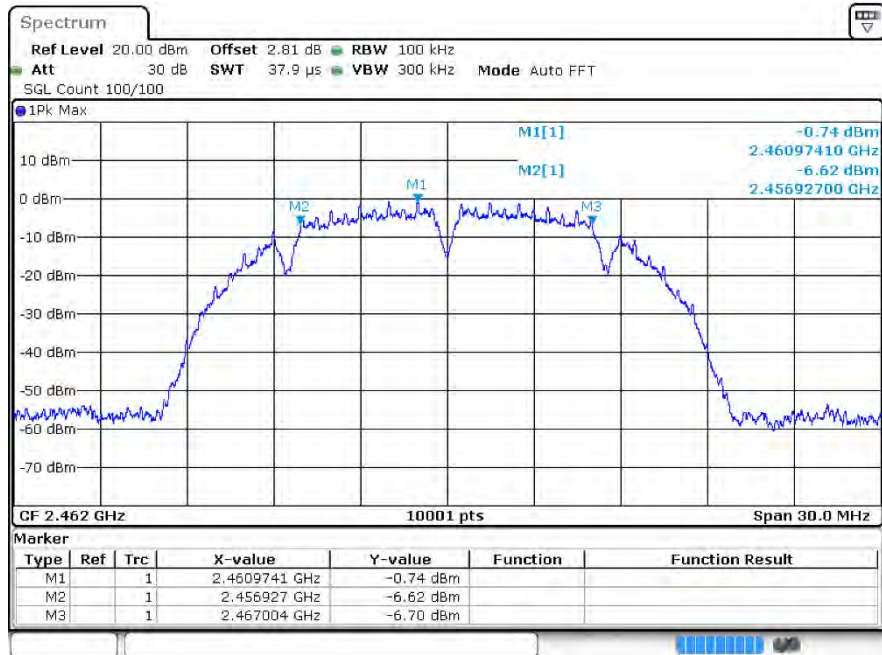
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.098	0.5	Pass
b	2437	Ant1	10.095	0.5	Pass
b	2462	Ant1	10.077	0.5	Pass
g	2412	Ant1	15.084	0.5	Pass
g	2437	Ant1	13.854	0.5	Pass
g	2462	Ant1	15.048	0.5	Pass
n20	2412	Ant1	15.084	0.5	Pass
n20	2437	Ant1	15.12	0.5	Pass
n20	2462	Ant1	15.066	0.5	Pass
n40	2422	Ant1	35.016	0.5	Pass
n40	2437	Ant1	35.082	0.5	Pass
n40	2452	Ant1	35.088	0.5	Pass
ax20	2412	Ant1	15.072	0.5	Pass
ax20	2437	Ant1	15.117	0.5	Pass
ax20	2462	Ant1	15.111	0.5	Pass
ax40	2422	Ant1	33.81	0.5	Pass
ax40	2437	Ant1	35.07	0.5	Pass
ax40	2452	Ant1	30.312	0.5	Pass
b	2412	Ant2	10.089	0.5	Pass
b	2437	Ant2	10.083	0.5	Pass
b	2462	Ant2	10.038	0.5	Pass
g	2412	Ant2	15.108	0.5	Pass
g	2437	Ant2	15.108	0.5	Pass
g	2462	Ant2	12.609	0.5	Pass
n20	2412	Ant2	15.033	0.5	Pass
n20	2437	Ant2	15.09	0.5	Pass
n20	2462	Ant2	15.099	0.5	Pass
n40	2422	Ant2	31.338	0.5	Pass
n40	2437	Ant2	31.344	0.5	Pass
n40	2452	Ant2	35.118	0.5	Pass
ax20	2412	Ant2	16.395	0.5	Pass
ax20	2437	Ant2	15.111	0.5	Pass
ax20	2462	Ant2	15.084	0.5	Pass
ax40	2422	Ant2	35.31	0.5	Pass
ax40	2437	Ant2	35.07	0.5	Pass
ax40	2452	Ant2	34.986	0.5	Pass

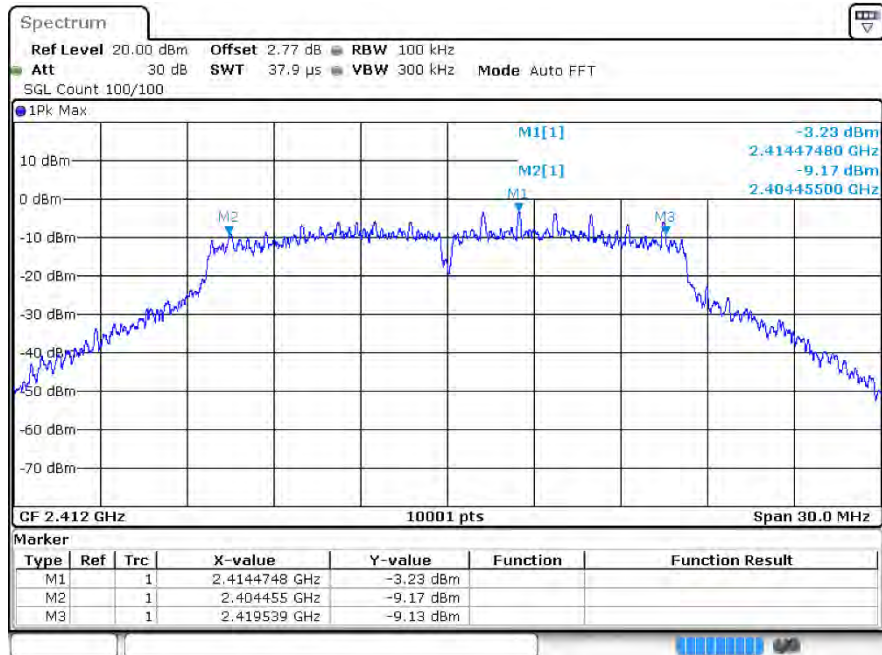
3.2 Test Graphs



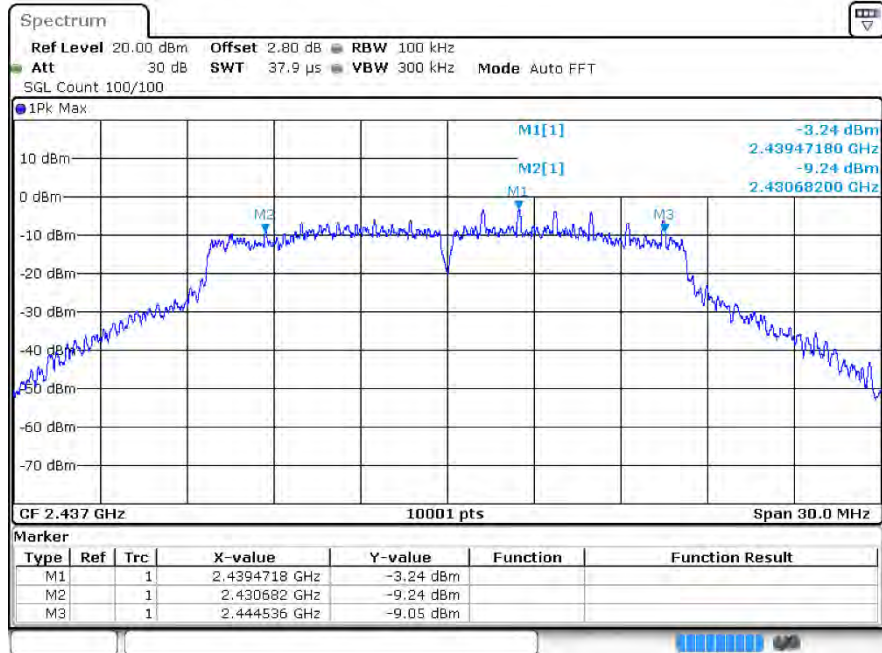
b 2462MHz Ant1



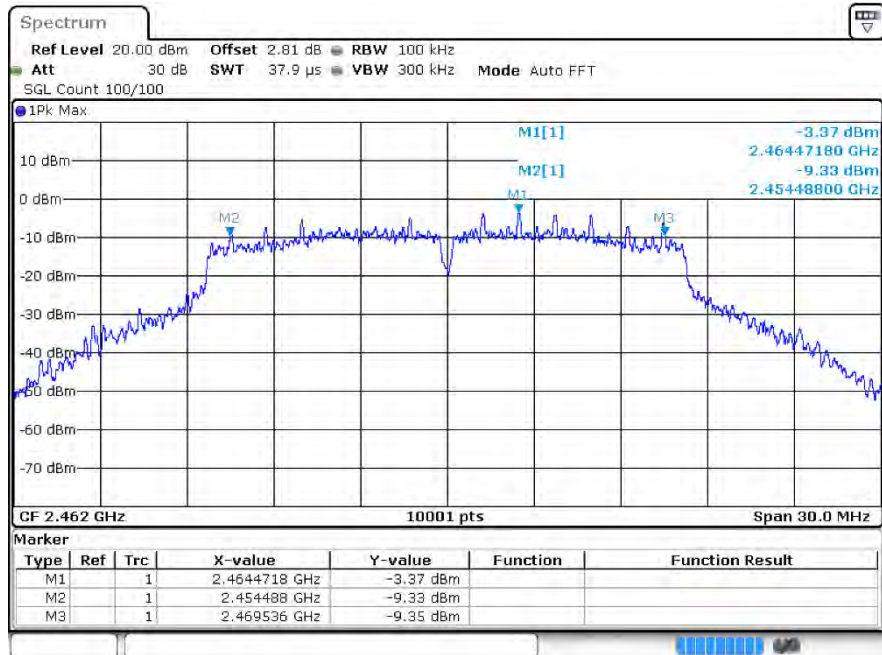
g 2412MHz Ant1



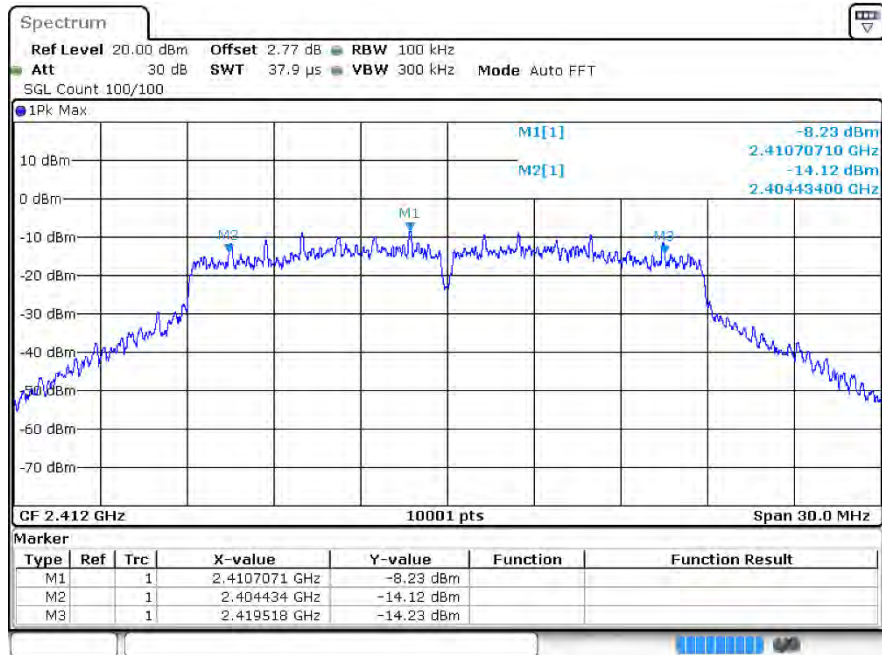
g 2437MHz Ant1



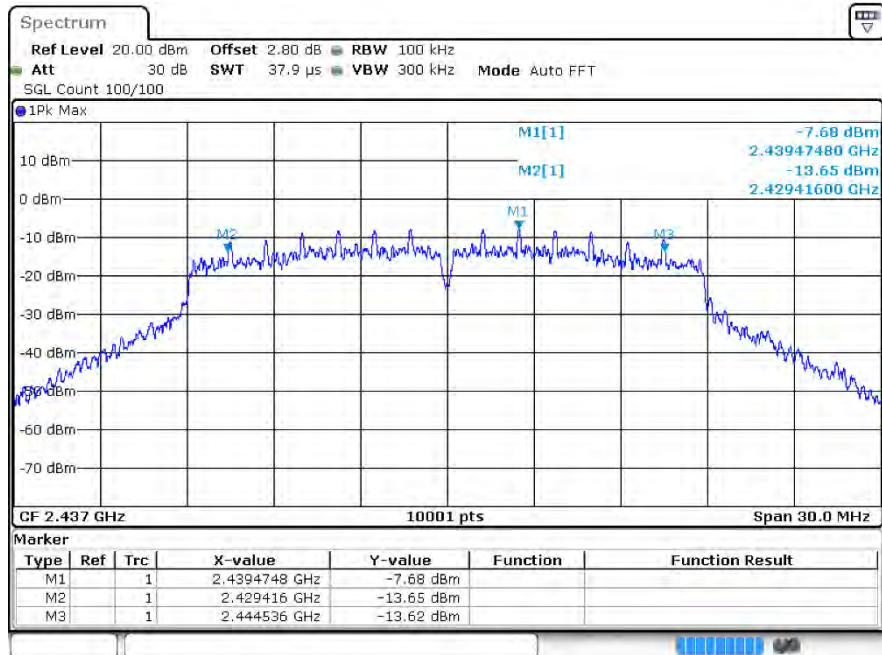
g 2462MHz Ant1



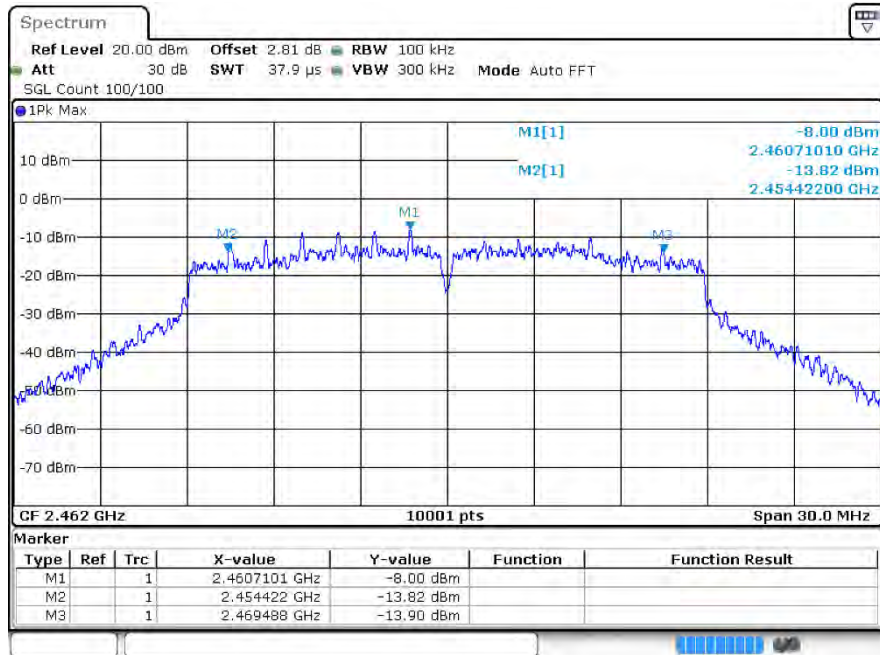
n20 2412MHz Ant1



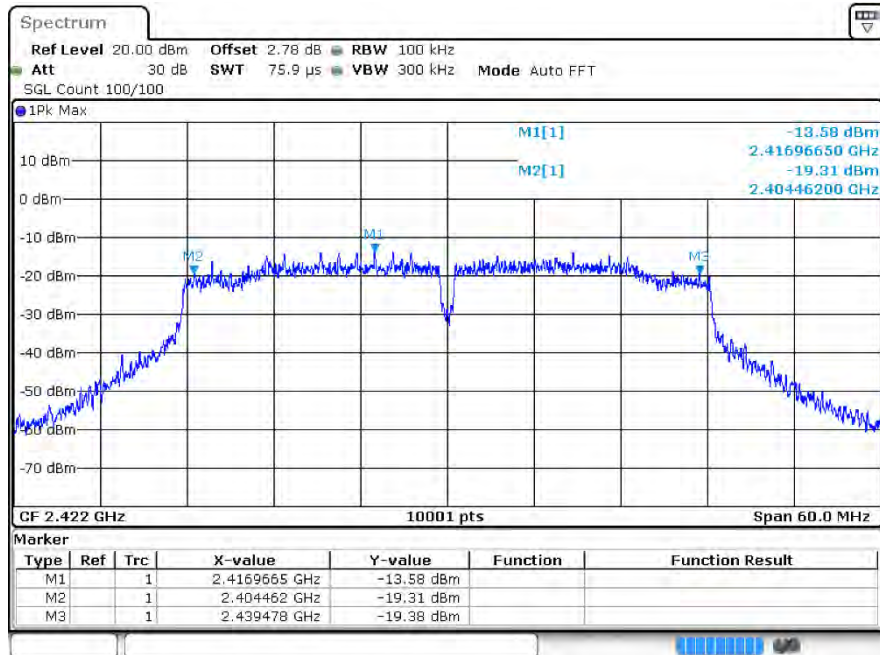
n20 2437MHz Ant1



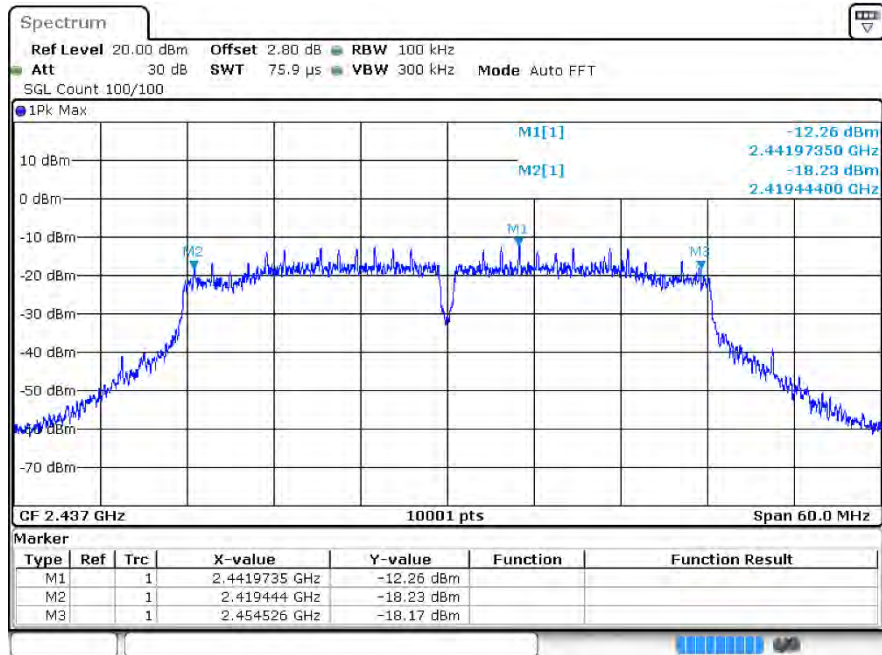
n20 2462MHz Ant1



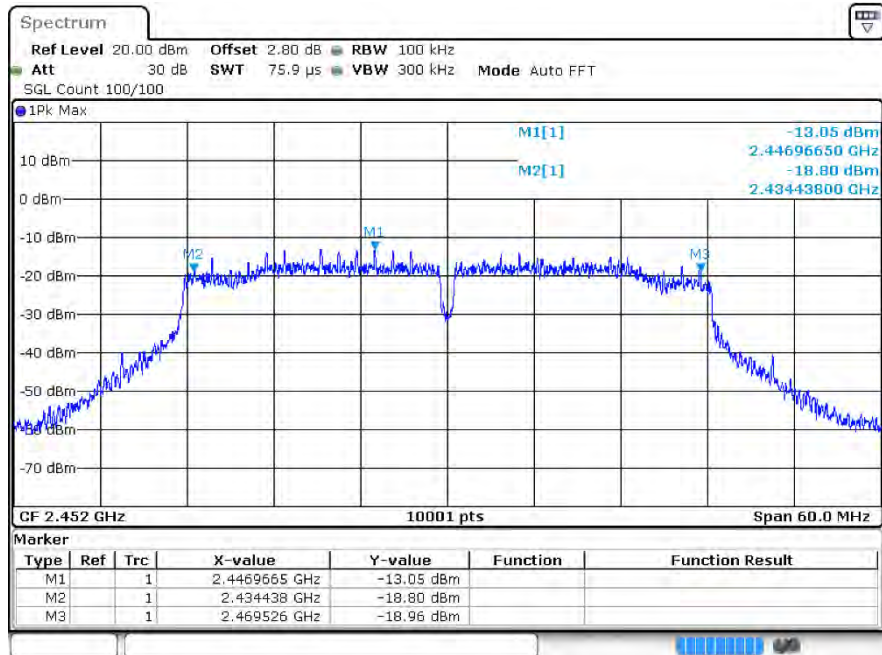
n40 2422MHz Ant1



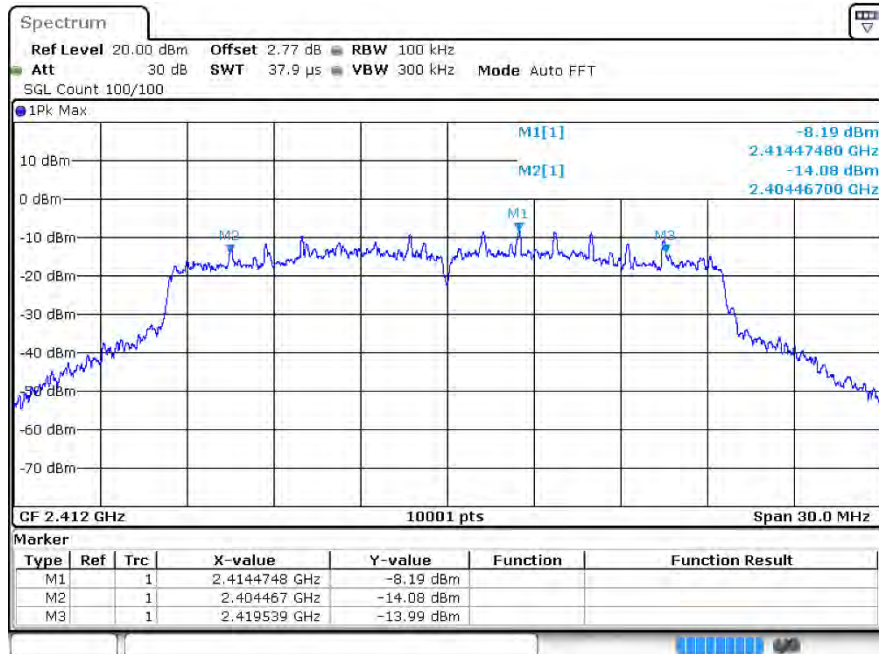
n40 2437MHz Ant1



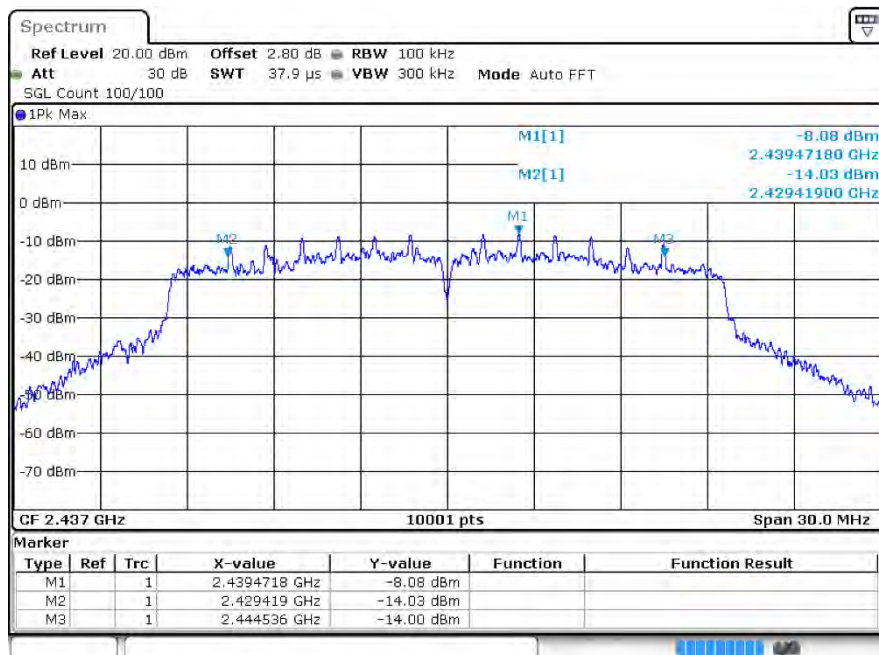
n40 2452MHz Ant1



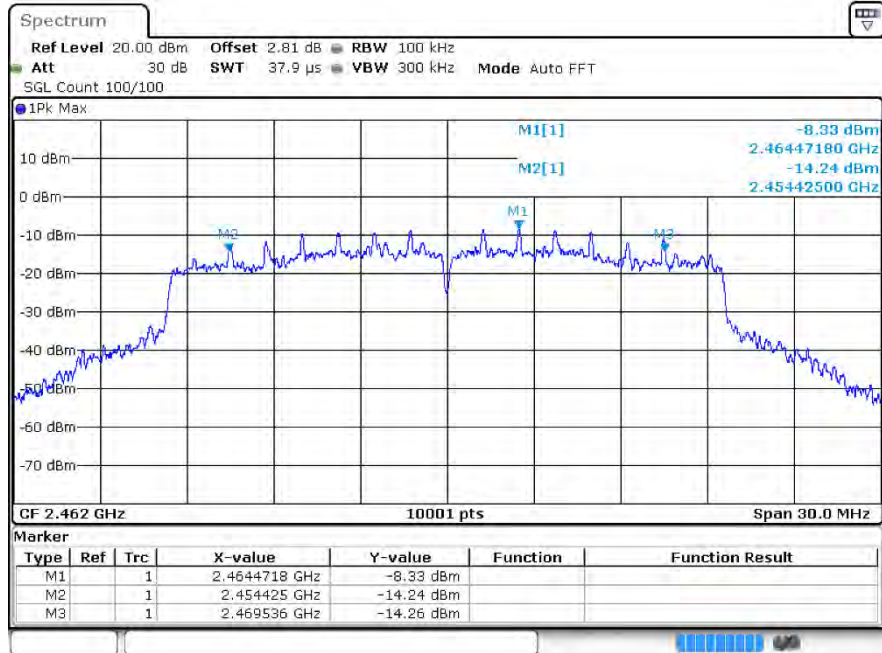
ax20 2412MHz Ant1



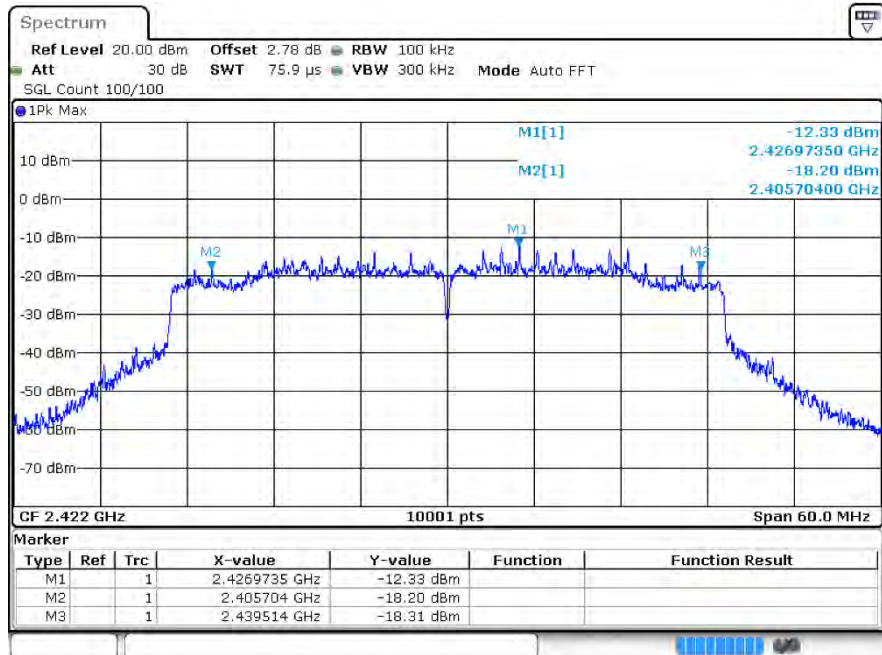
ax20 2437MHz Ant1



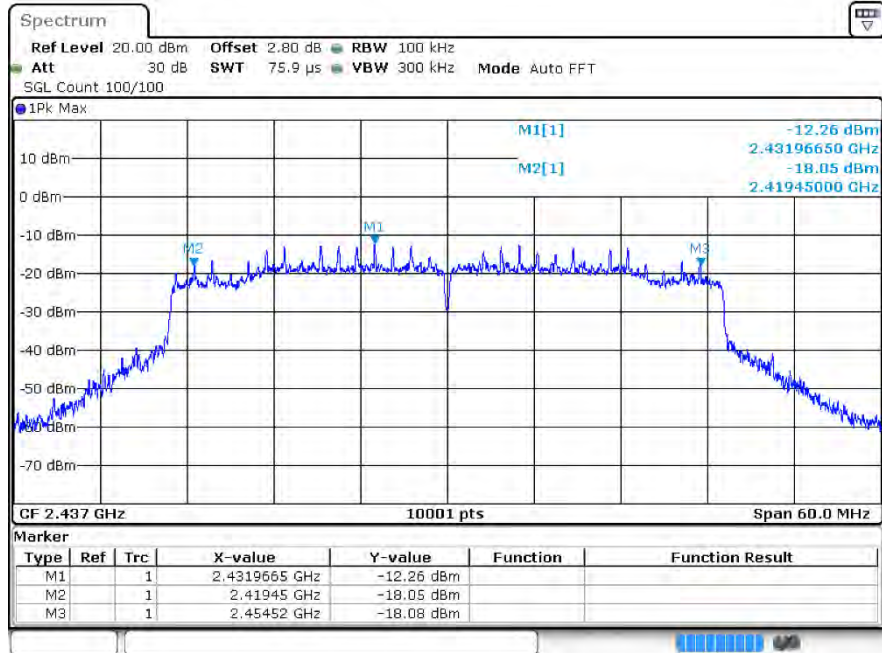
ax20 2462MHz Ant1



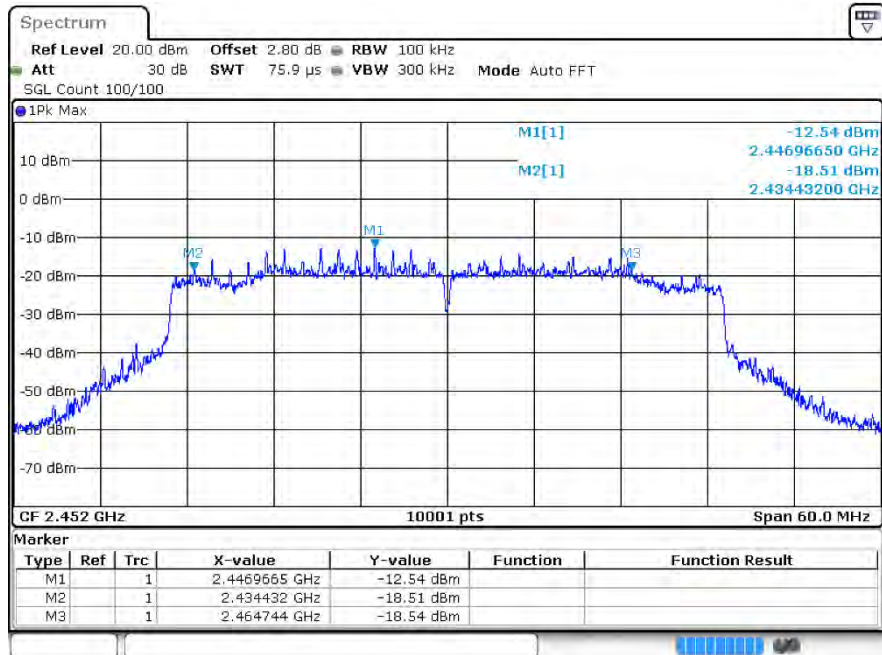
ax40 2422MHz Ant1



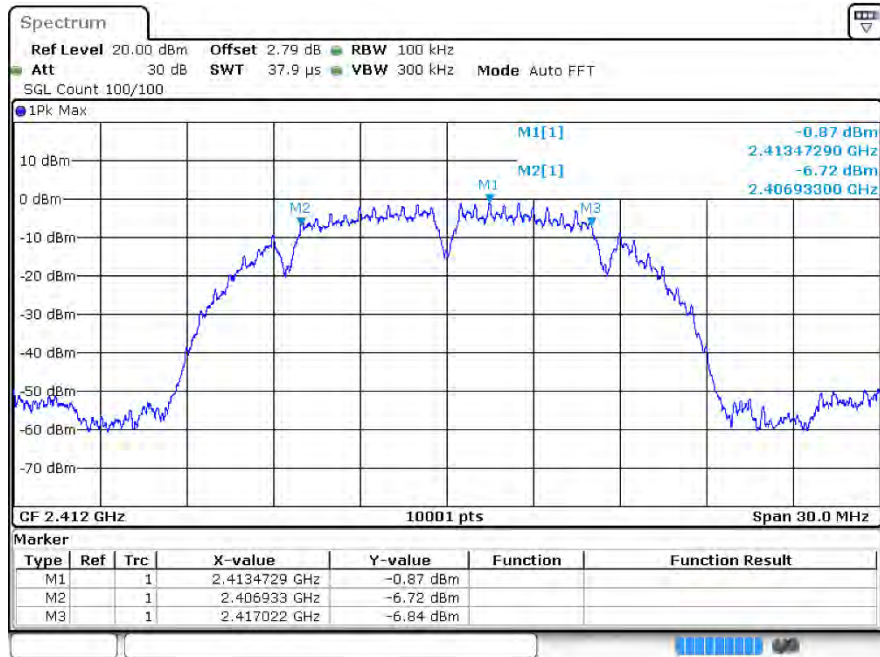
ax40 2437MHz Ant1



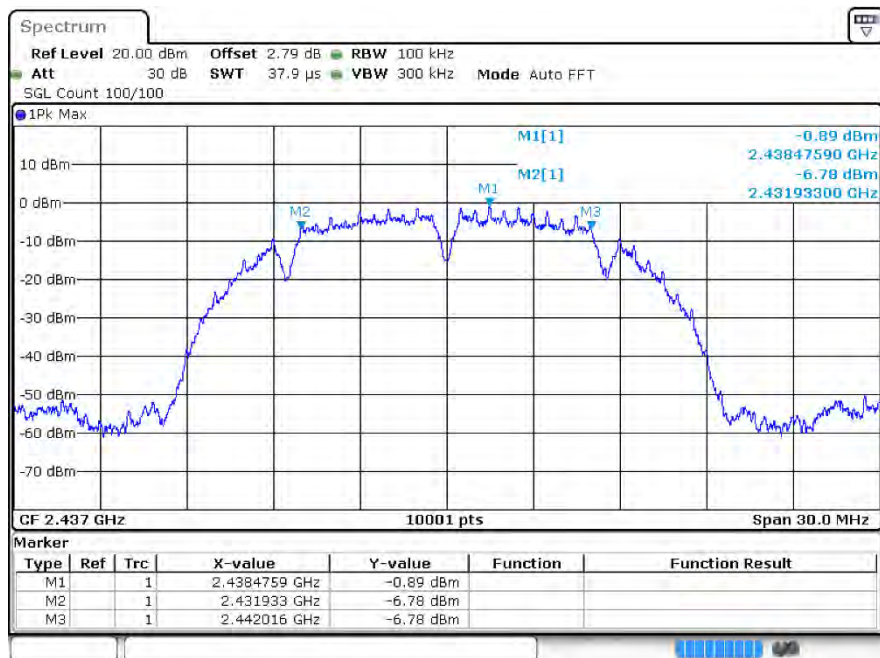
ax40 2452MHz Ant1



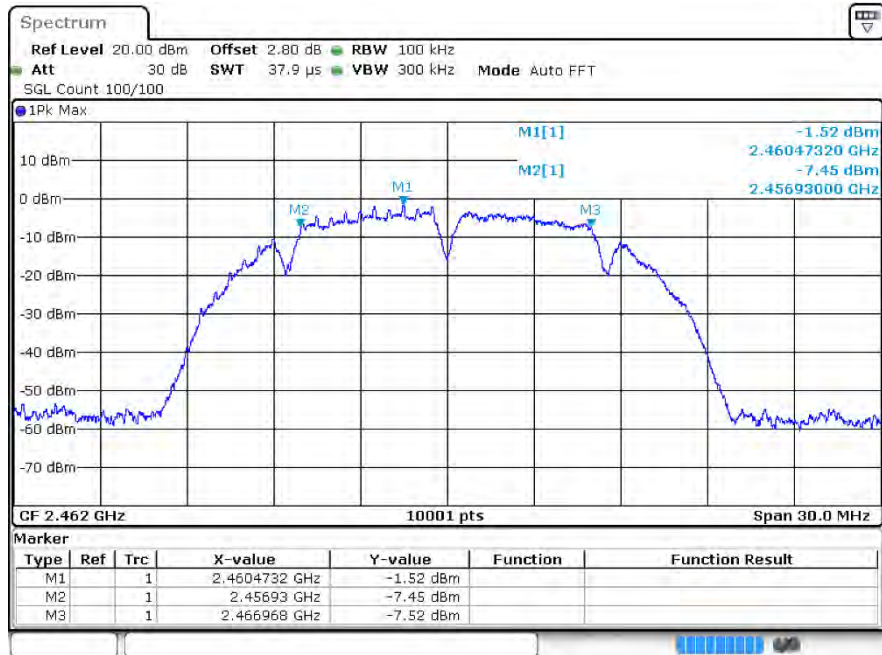
b 2412MHz Ant2



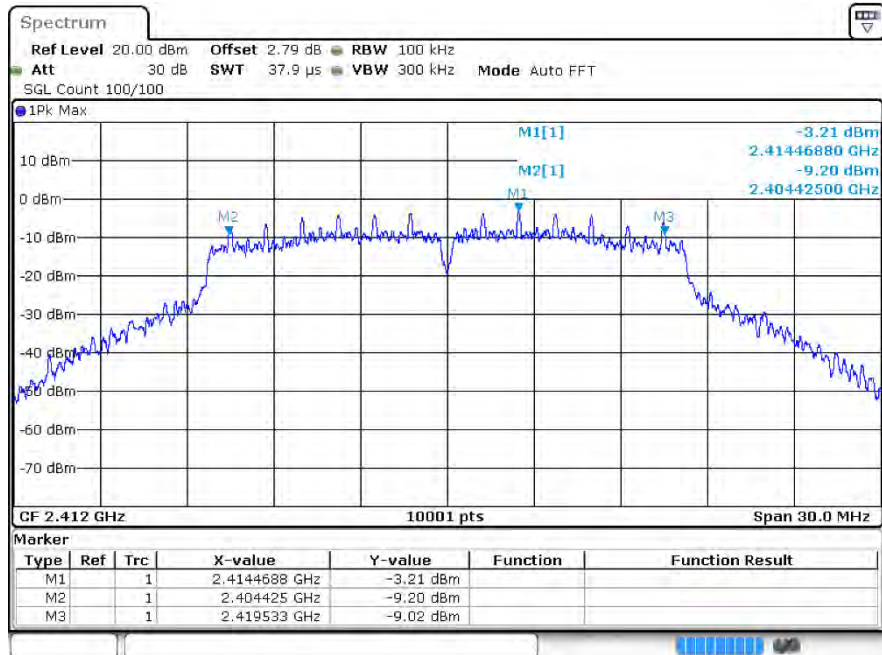
b 2437MHz Ant2



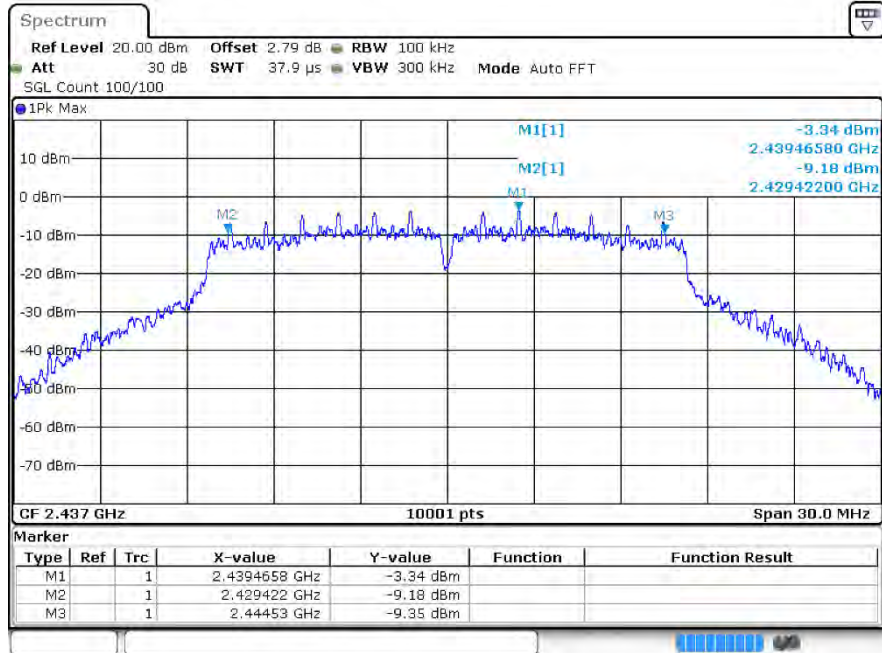
b 2462MHz Ant2



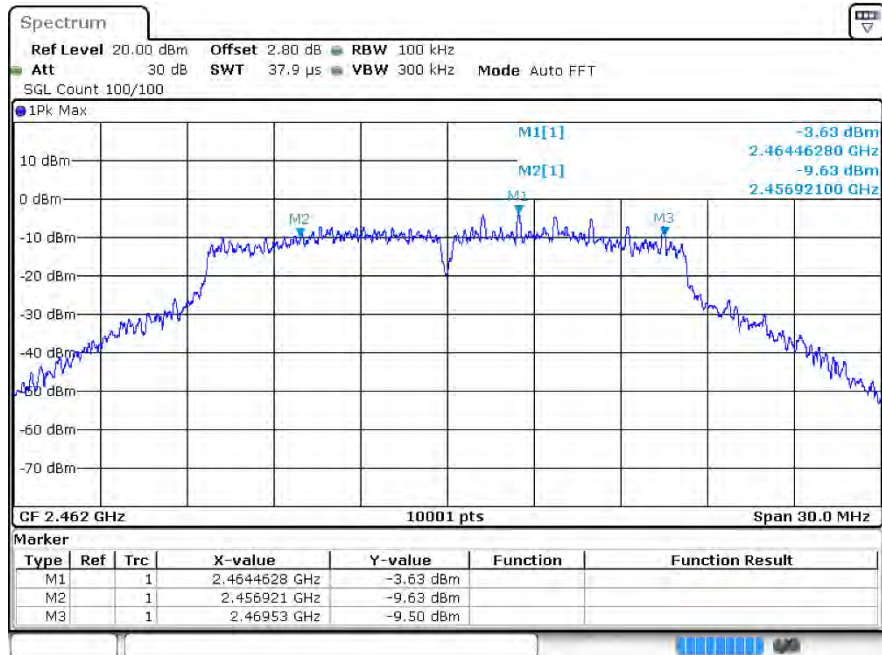
g 2412MHz Ant2



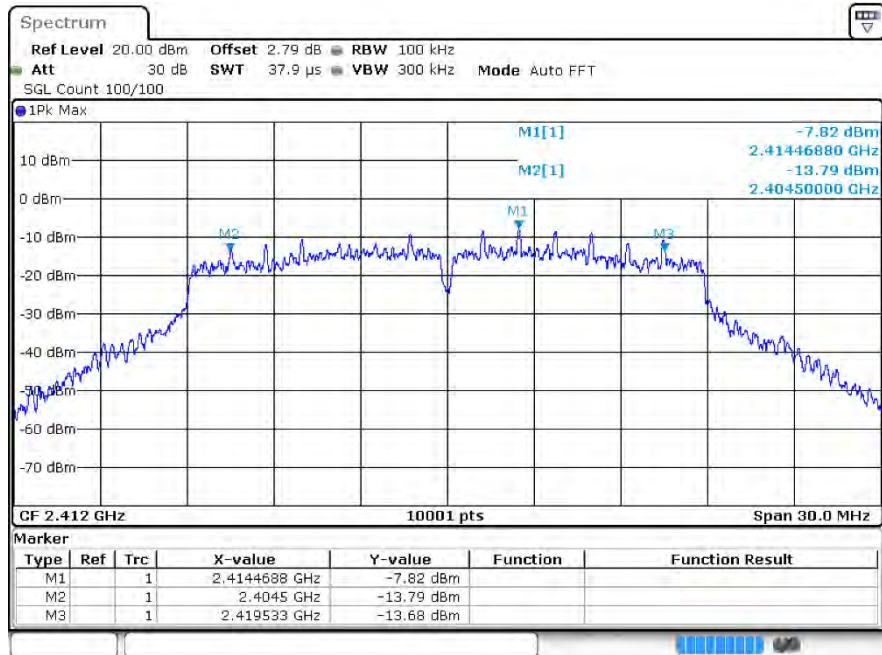
g 2437MHz Ant2



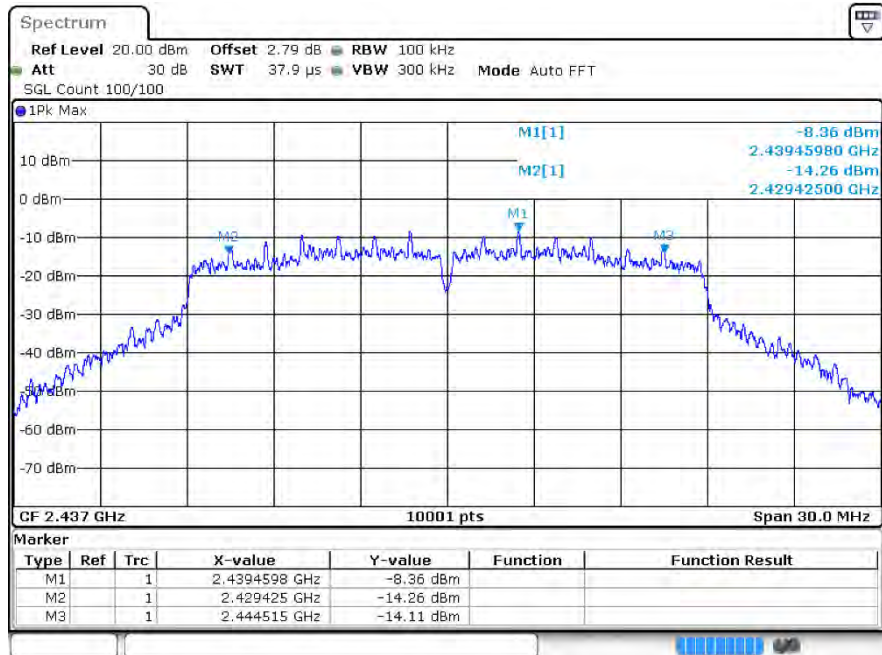
g 2462MHz Ant2



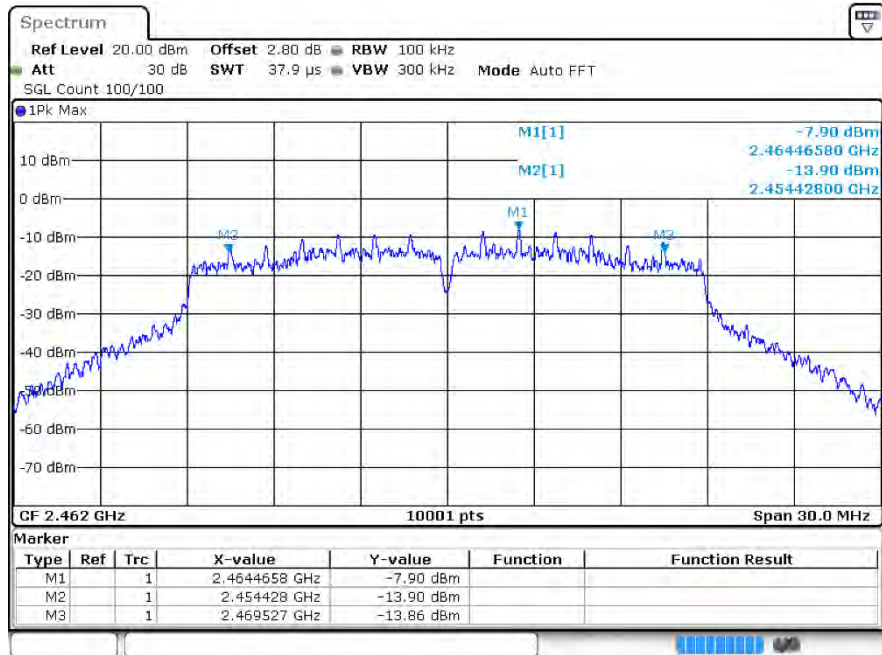
n20 2412MHz Ant2



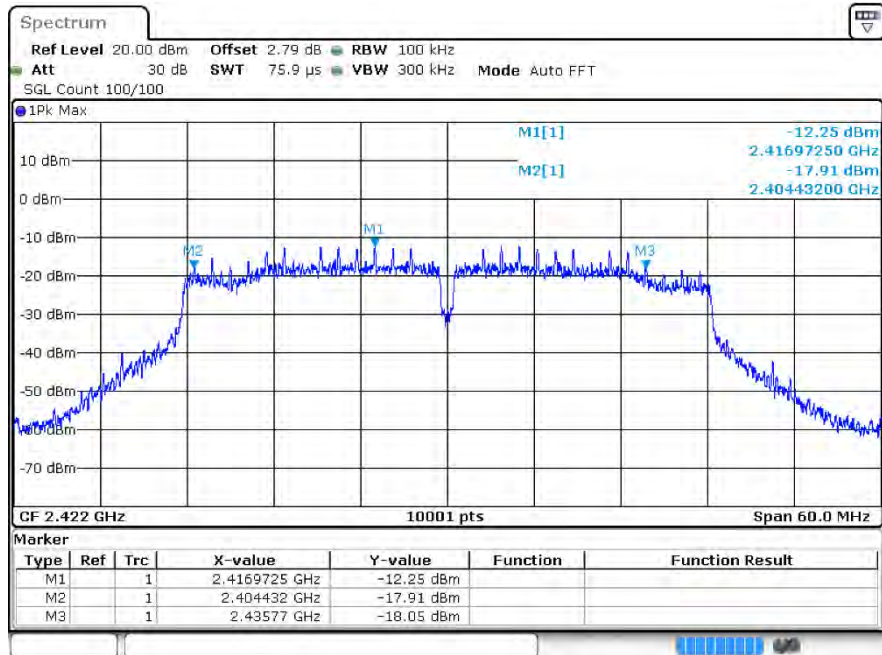
n20 2437MHz Ant2

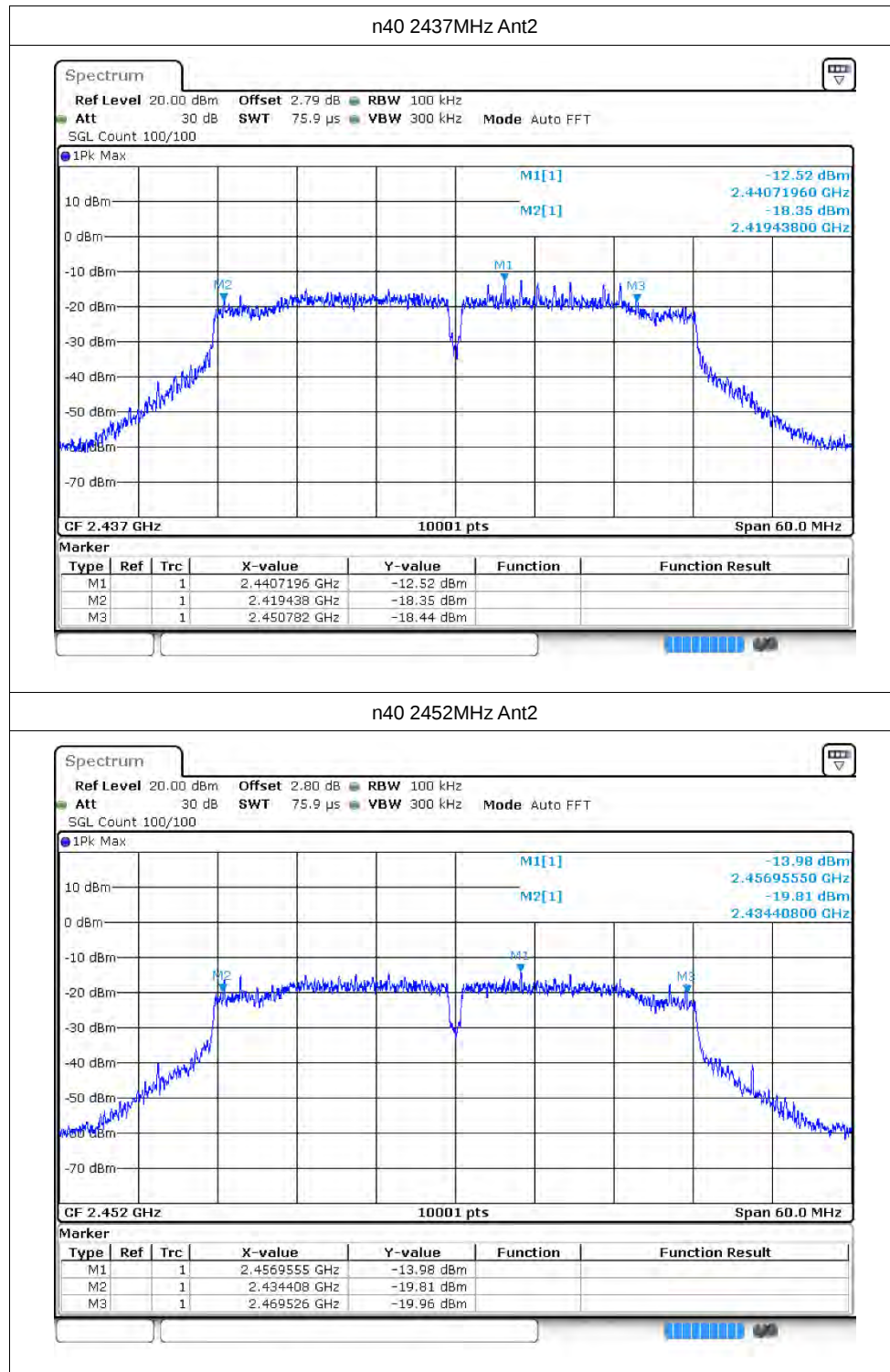


n20 2462MHz Ant2

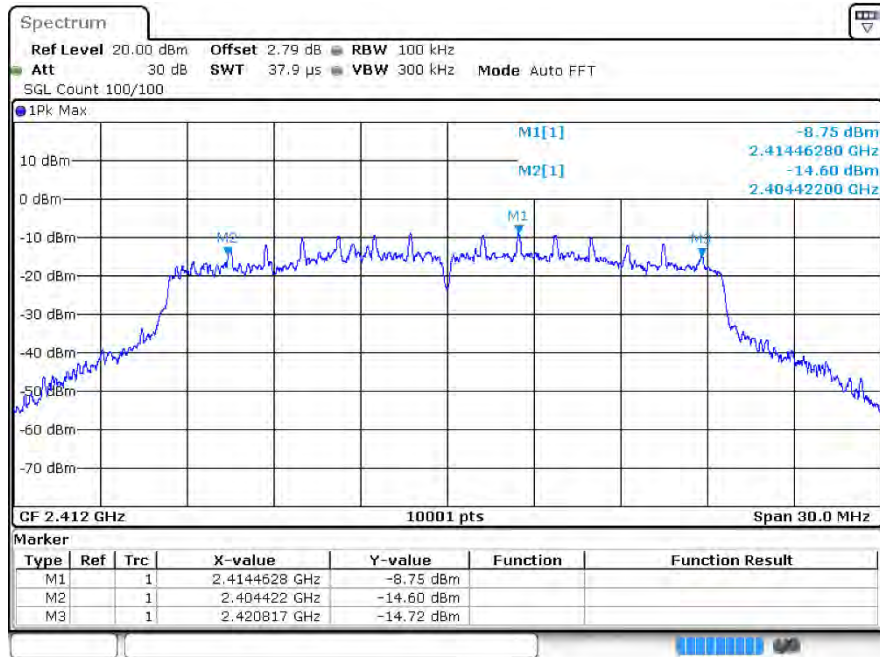


n40 2422MHz Ant2

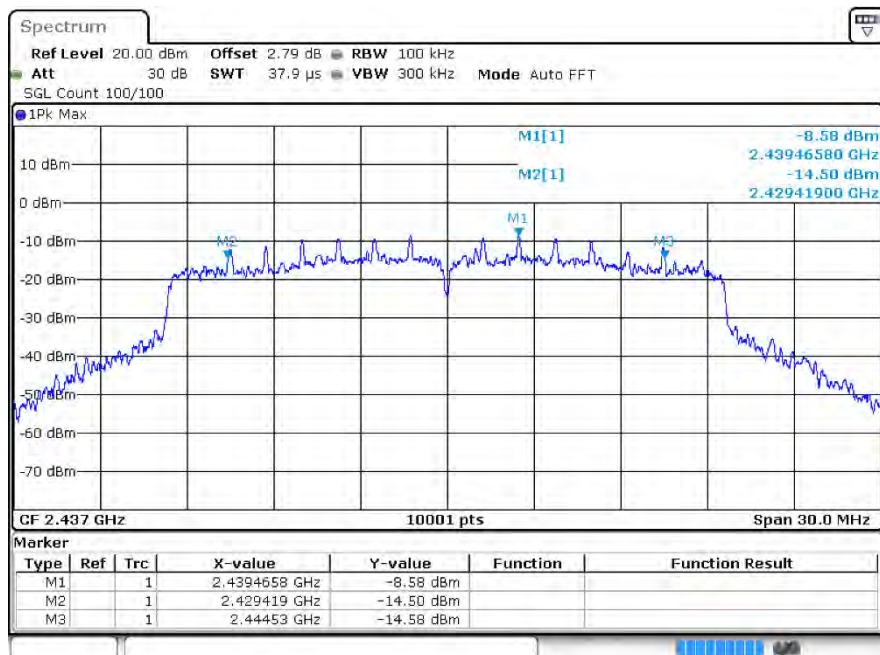




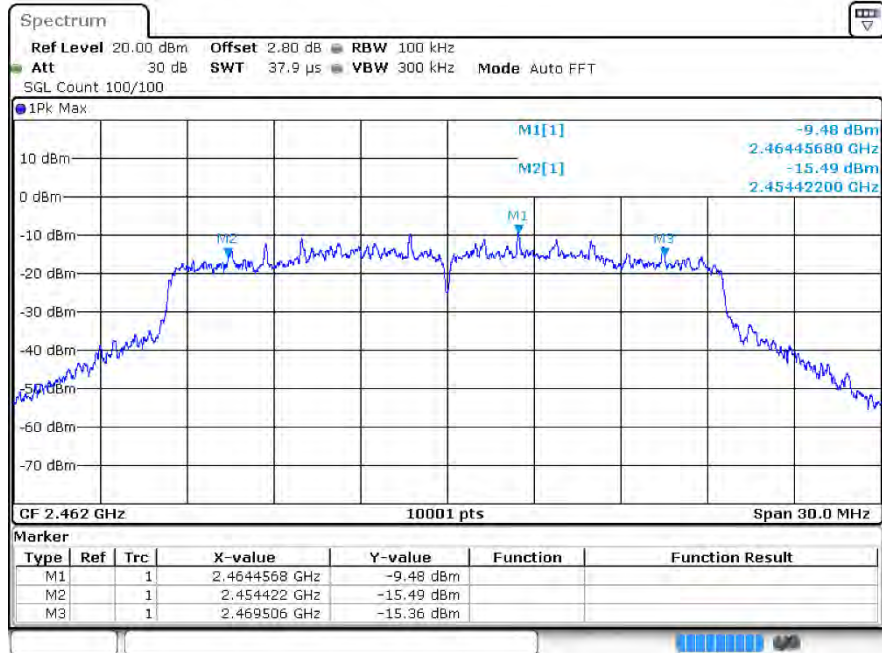
ax20 2412MHz Ant2



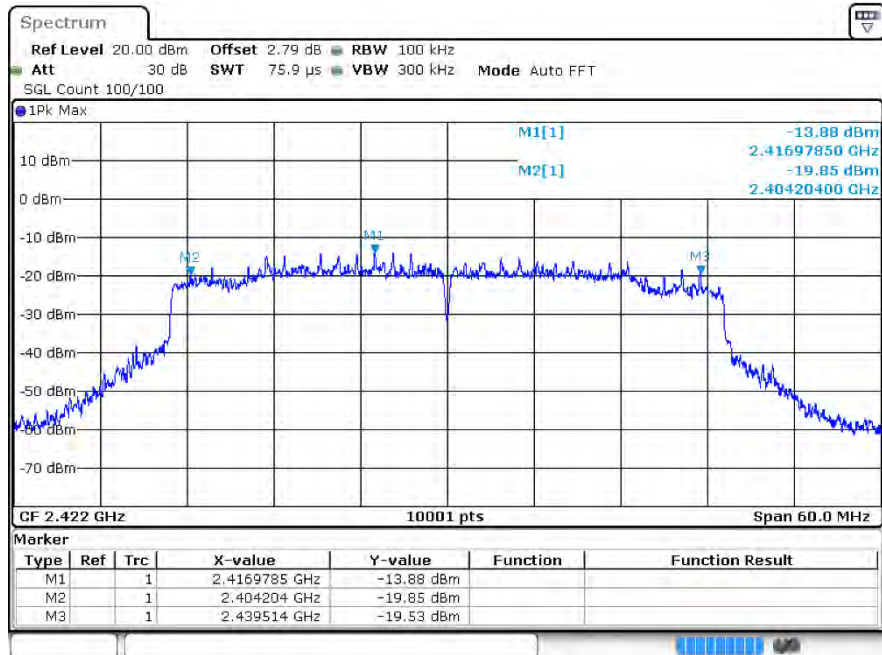
ax20 2437MHz Ant2



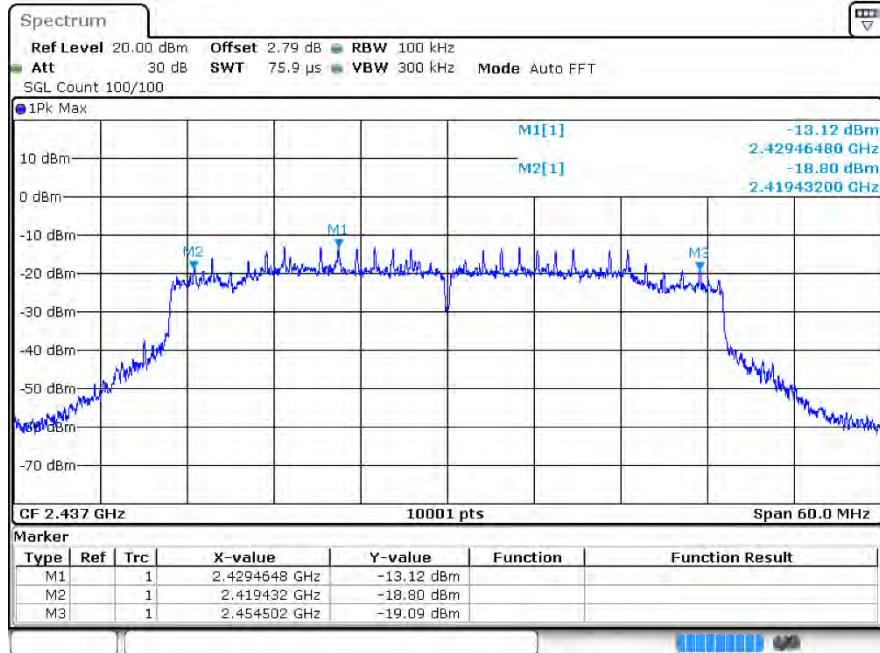
ax20 2462MHz Ant2



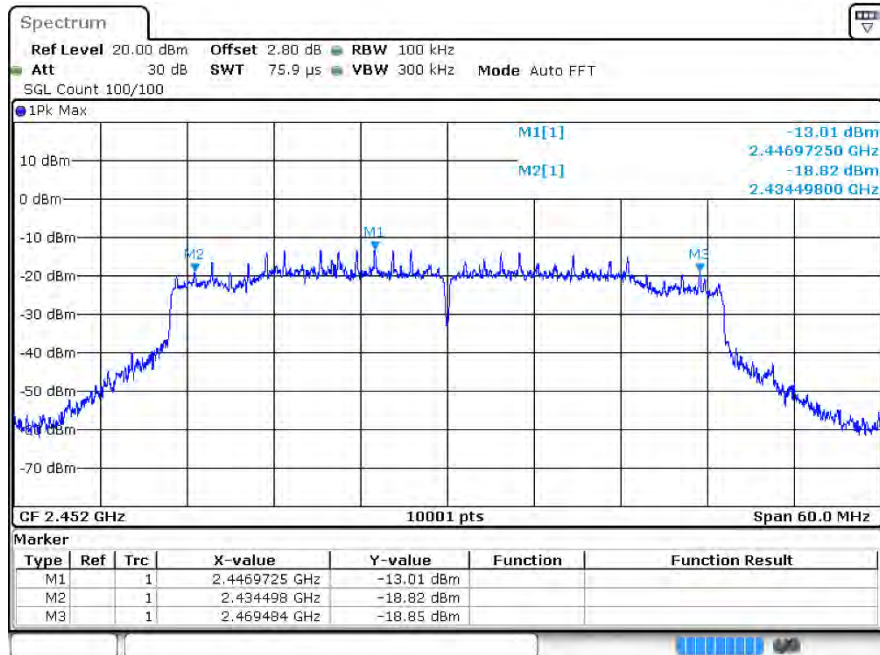
ax40 2422MHz Ant2



ax40 2437MHz Ant2



ax40 2452MHz Ant2



4 Maximum Power Spectral Density Level

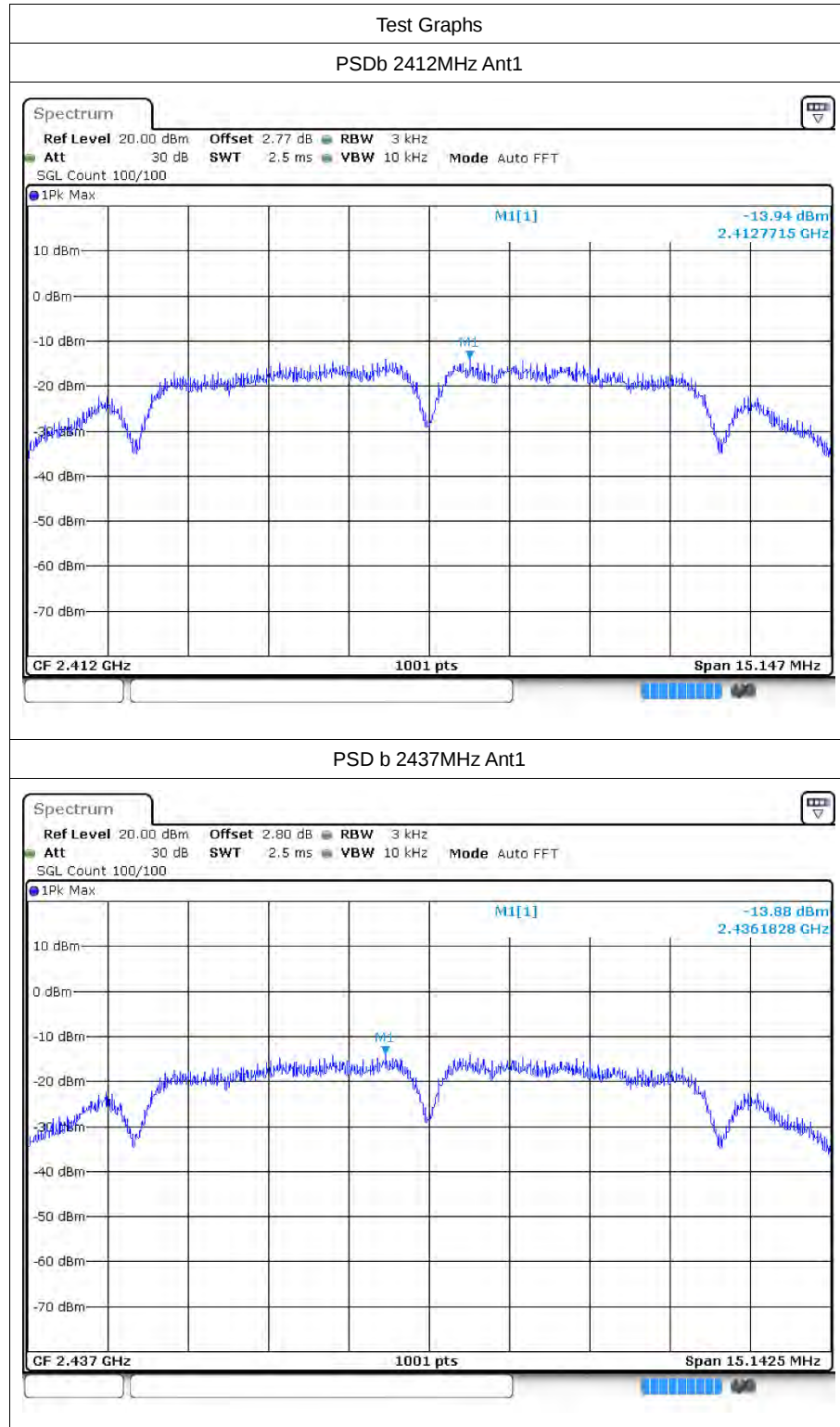
4.1 Test Result

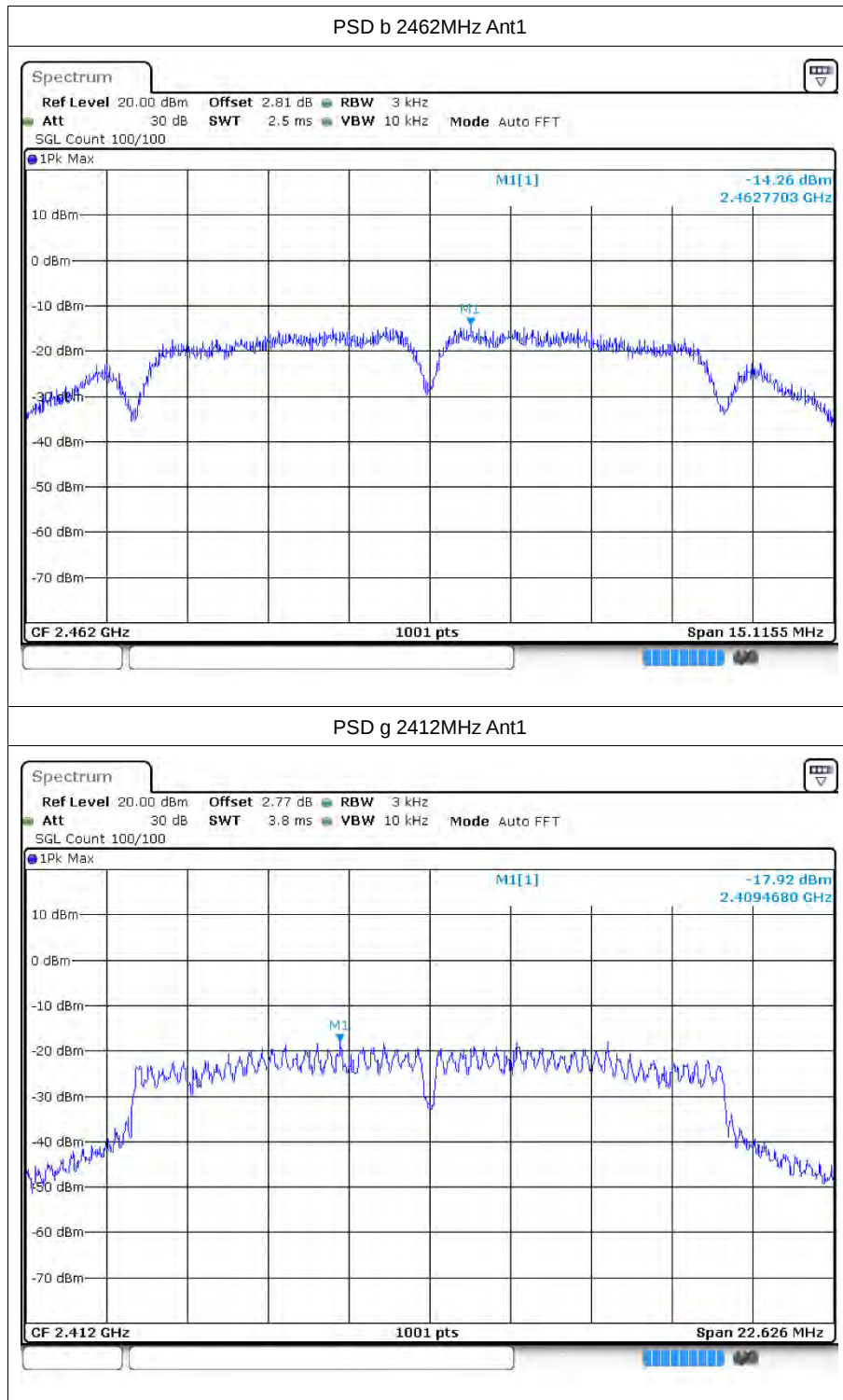
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-13.94	≤8	Pass
b	2437	Ant1	-13.88	≤8	Pass
b	2462	Ant1	-14.26	≤8	Pass
g	2412	Ant1	-17.92	≤8	Pass
g	2437	Ant1	-18.25	≤8	Pass
g	2462	Ant1	-18.2	≤8	Pass
n20	2412	Ant1	-21.54	≤8	Pass
n20	2437	Ant1	-22.38	≤8	Pass
n20	2462	Ant1	-21.85	≤8	Pass
n40	2422	Ant1	-25.52	≤8	Pass
n40	2437	Ant1	-26.27	≤8	Pass
n40	2452	Ant1	-25.94	≤8	Pass
ax20	2412	Ant1	-8.68	≤8	Pass
ax20	2437	Ant1	-8.37	≤8	Pass
ax20	2462	Ant1	-8.14	≤8	Pass
ax40	2422	Ant1	-13.52	≤8	Pass
ax40	2437	Ant1	-12.18	≤8	Pass
ax40	2452	Ant1	-12.77	≤8	Pass
b	2412	Ant2	-14.42	≤8	Pass
b	2437	Ant2	-14.35	≤8	Pass
b	2462	Ant2	-14.4	≤8	Pass
g	2412	Ant2	-18.38	≤8	Pass
g	2437	Ant2	-17.95	≤8	Pass
g	2462	Ant2	-18.11	≤8	Pass
n20	2412	Ant2	-22.21	≤8	Pass
n20	2437	Ant2	-22.23	≤8	Pass
n20	2462	Ant2	-22.27	≤8	Pass
n40	2422	Ant2	-25.13	≤8	Pass
n40	2437	Ant2	-26.69	≤8	Pass
n40	2452	Ant2	-26.51	≤8	Pass
ax20	2412	Ant2	-8.5	≤8	Pass
ax20	2437	Ant2	-8.42	≤8	Pass
ax20	2462	Ant2	-8.49	≤8	Pass

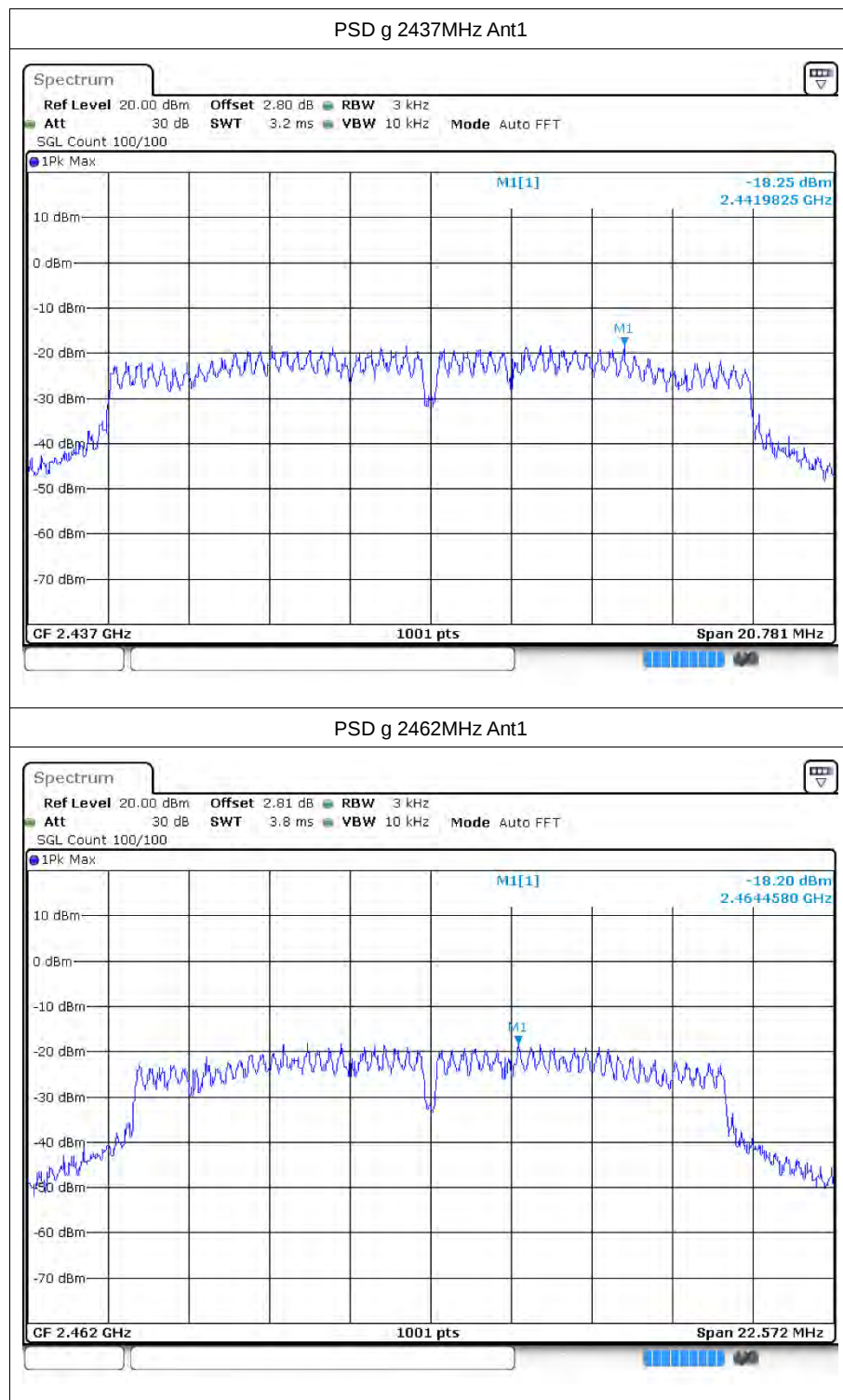


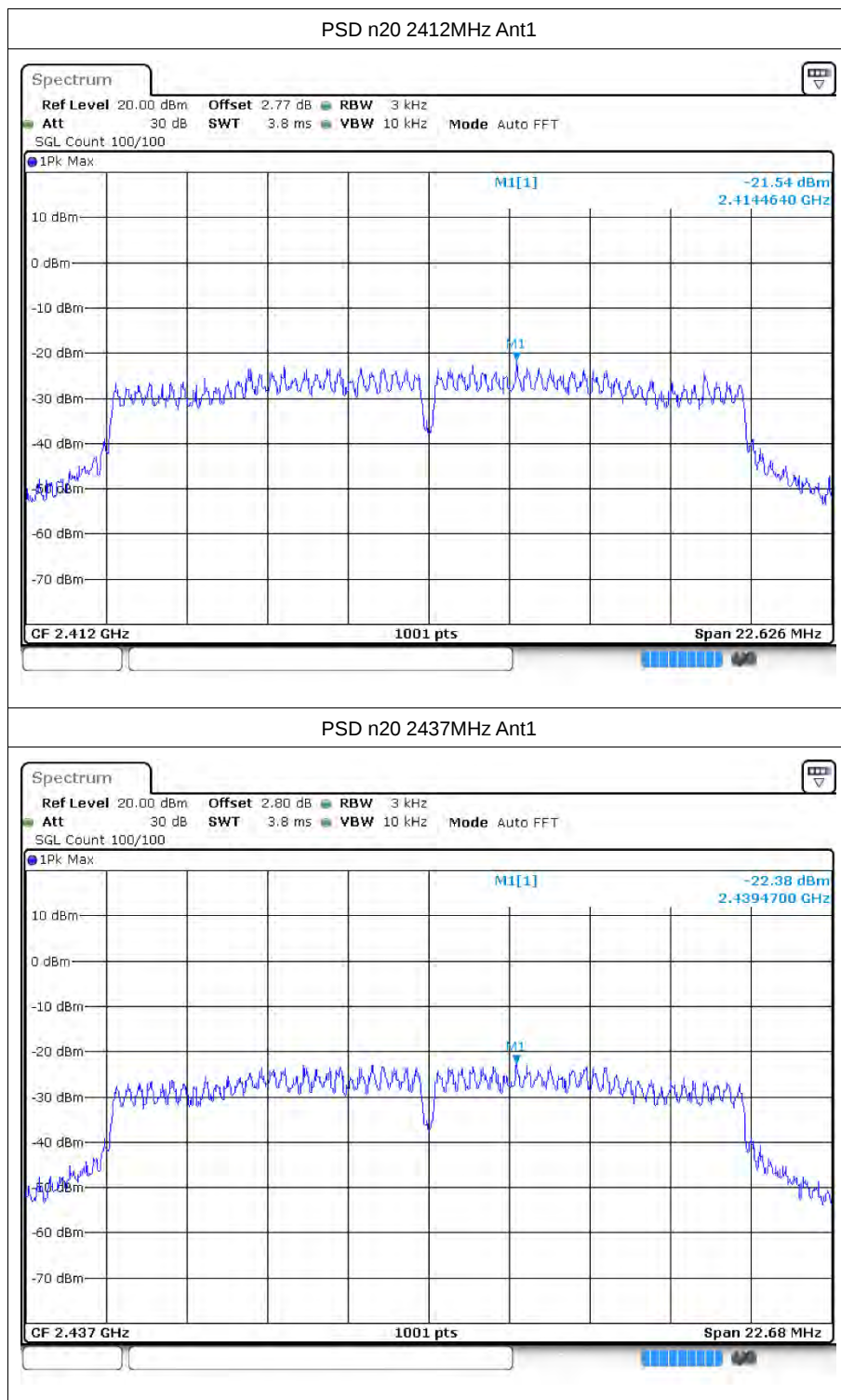
ax40	2422	Ant2	-12.65	≤ 8	Pass
ax40	2437	Ant2	-13.34	≤ 8	Pass
ax40	2452	Ant2	-13.18	≤ 8	Pass

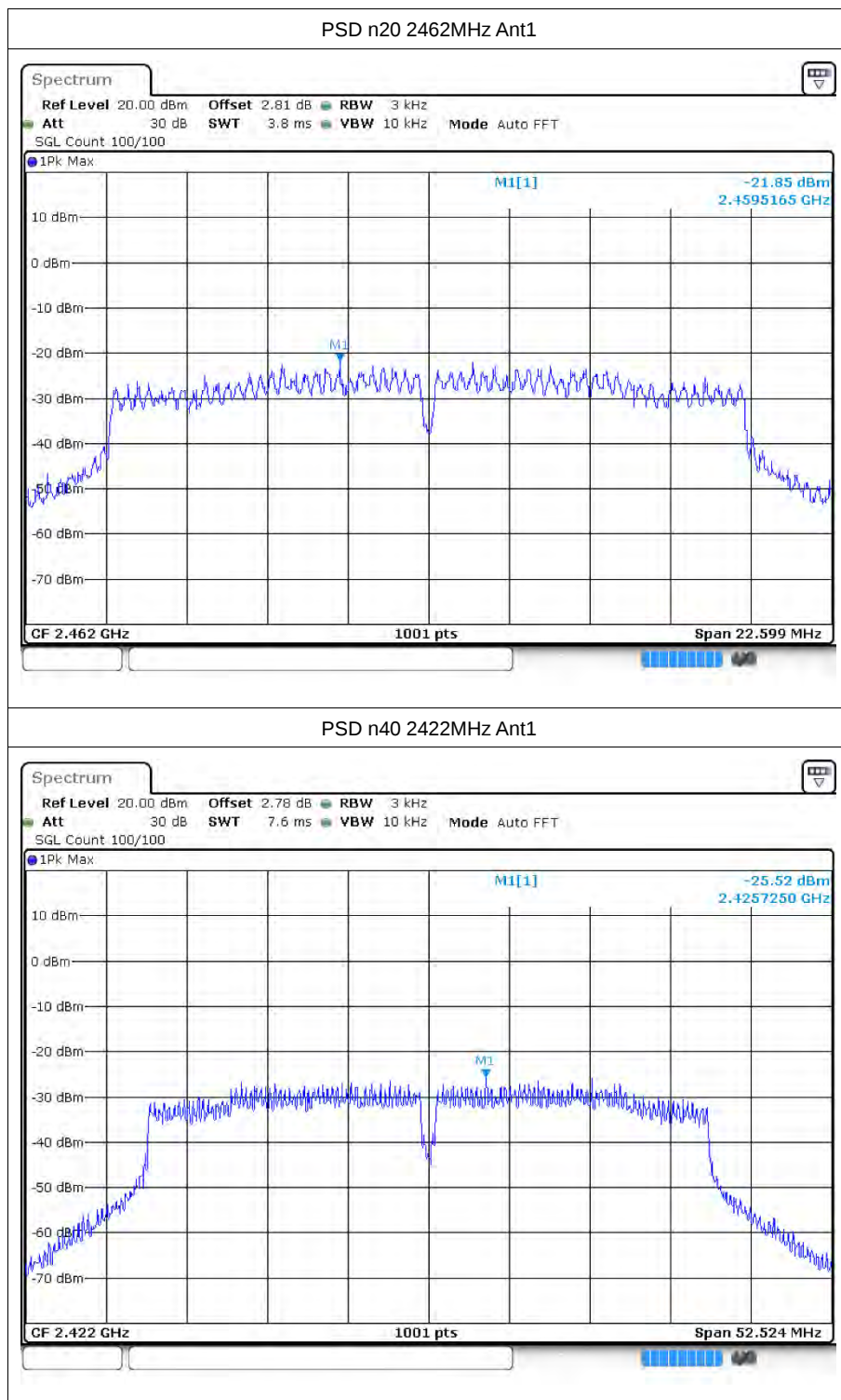
4.2 Test Graphs

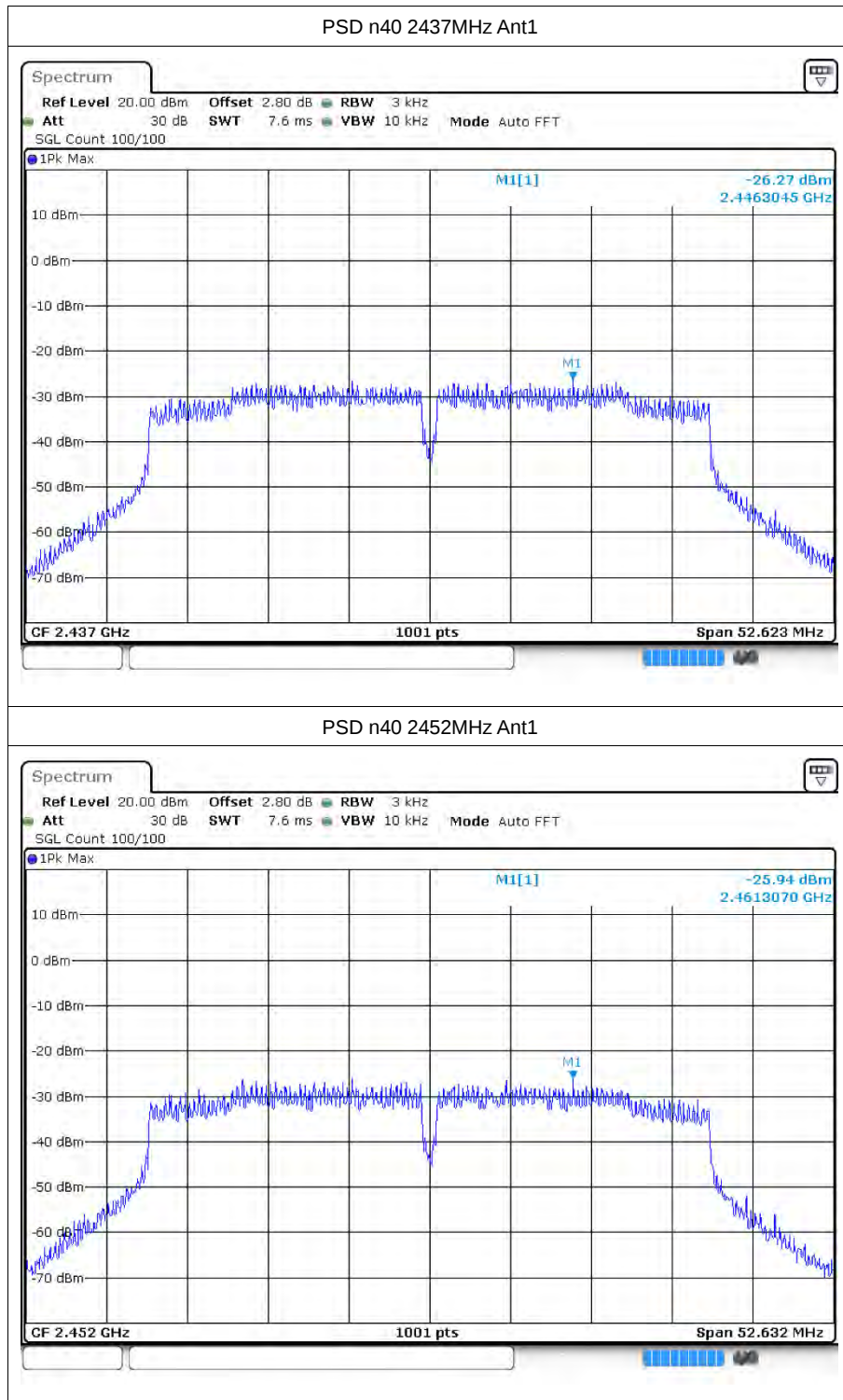




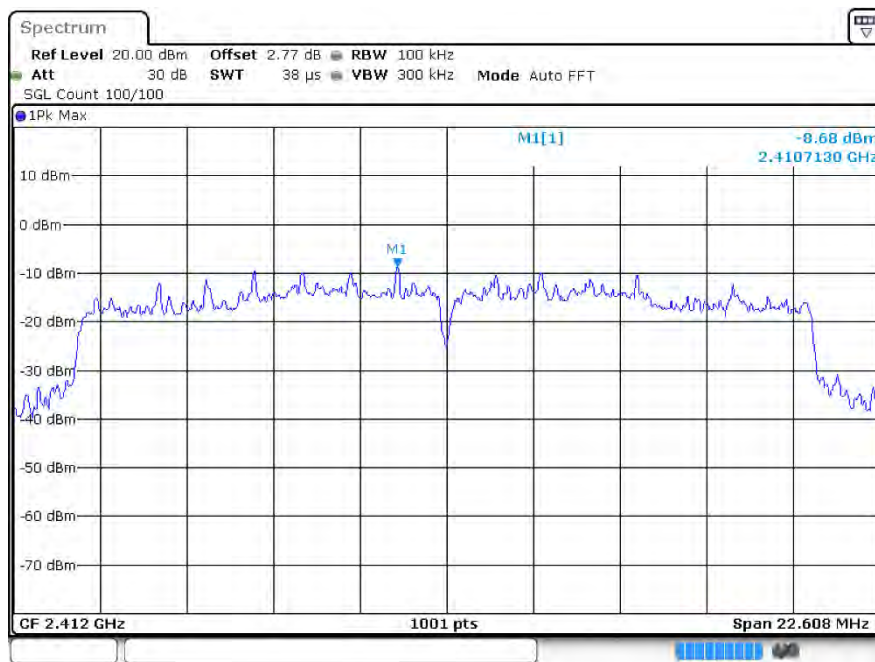




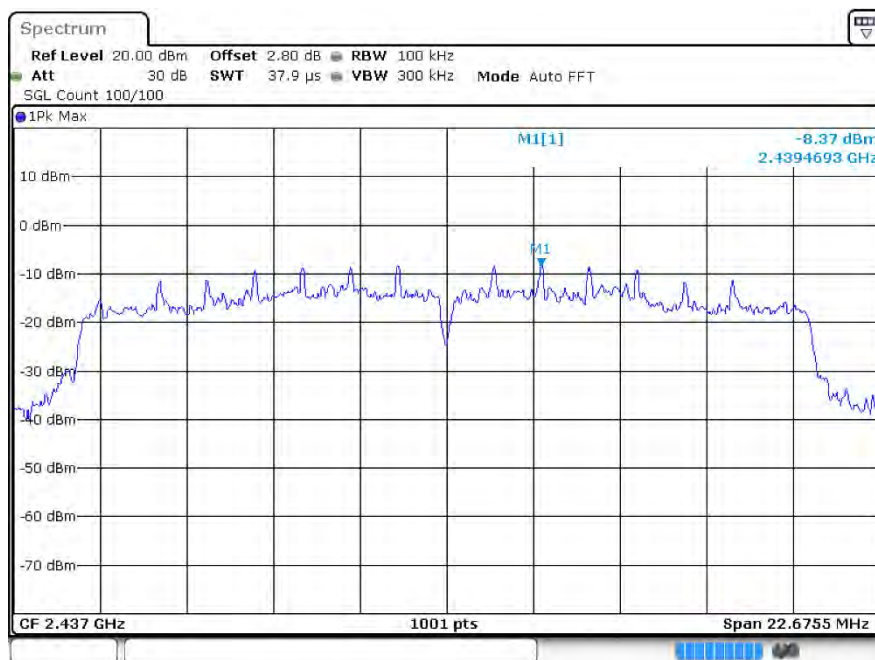


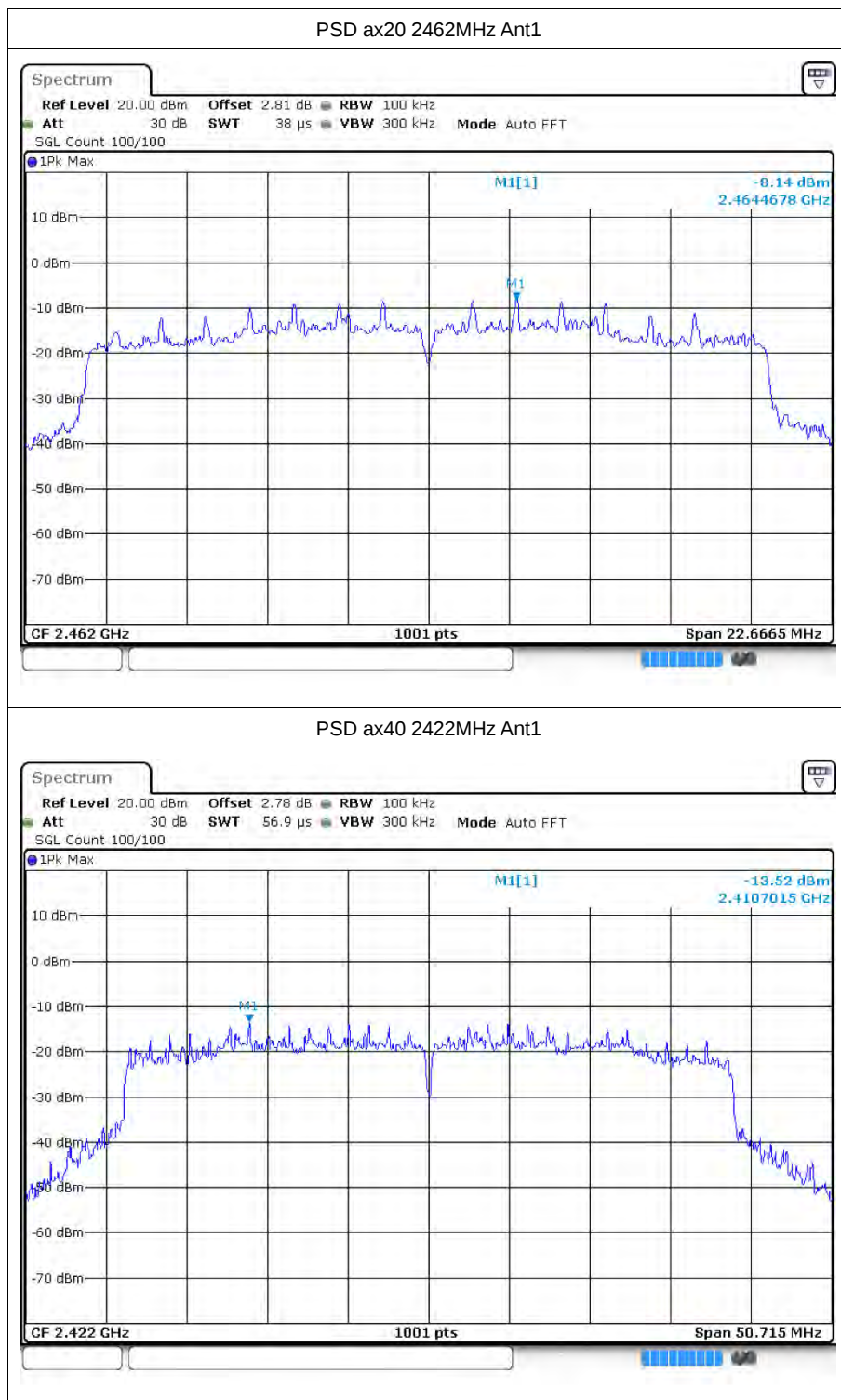


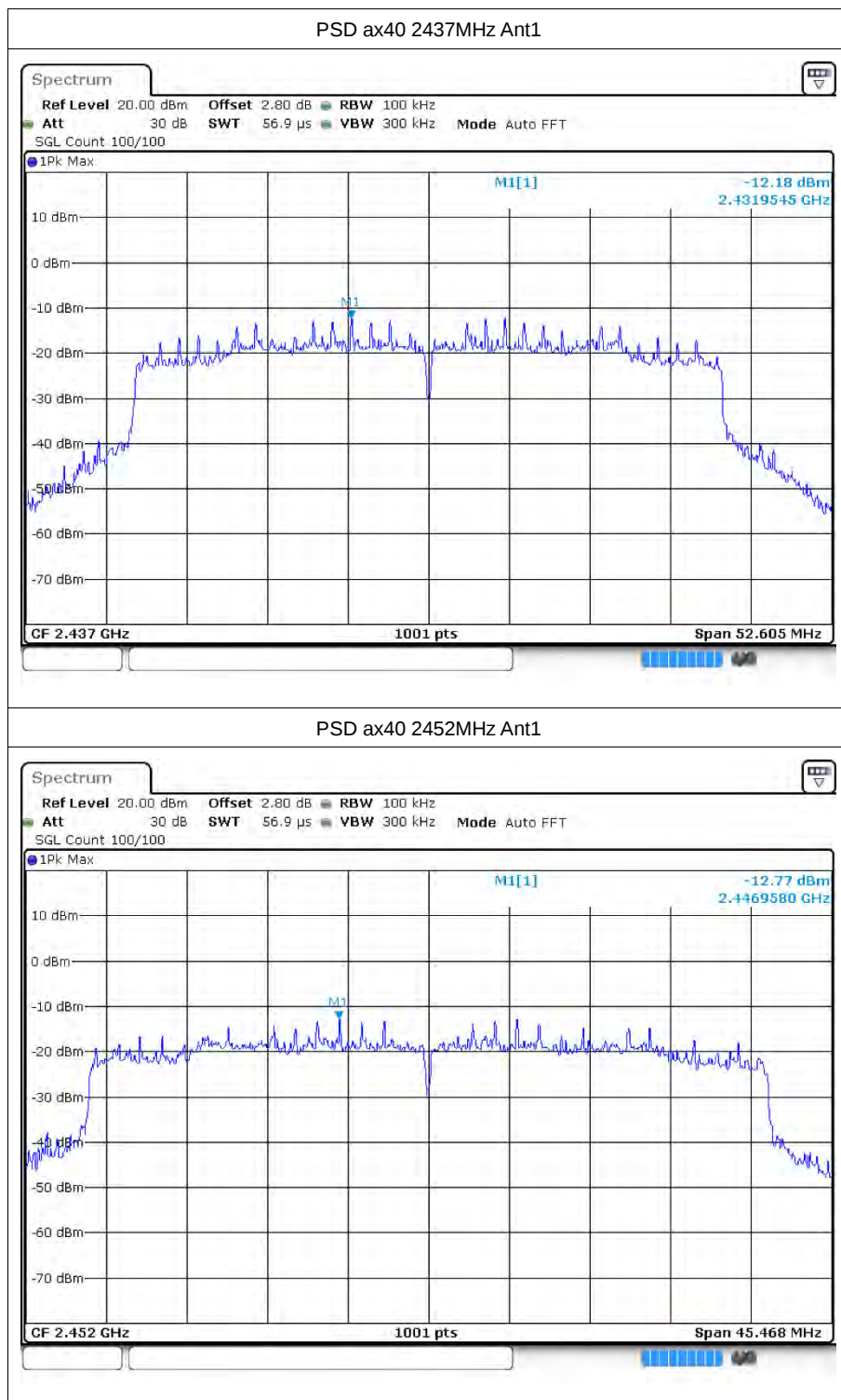
PSD ax20 2412MHz Ant1

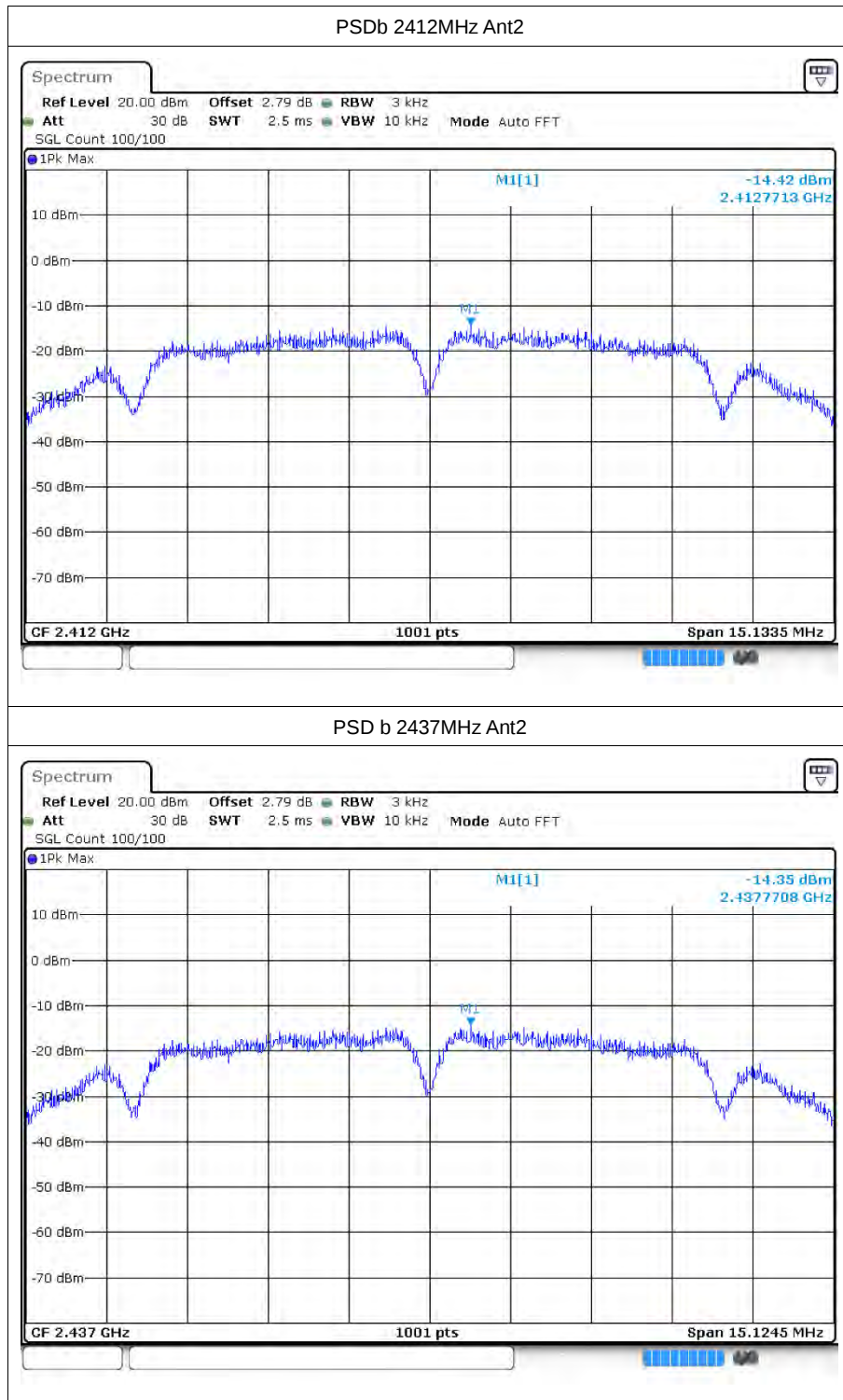


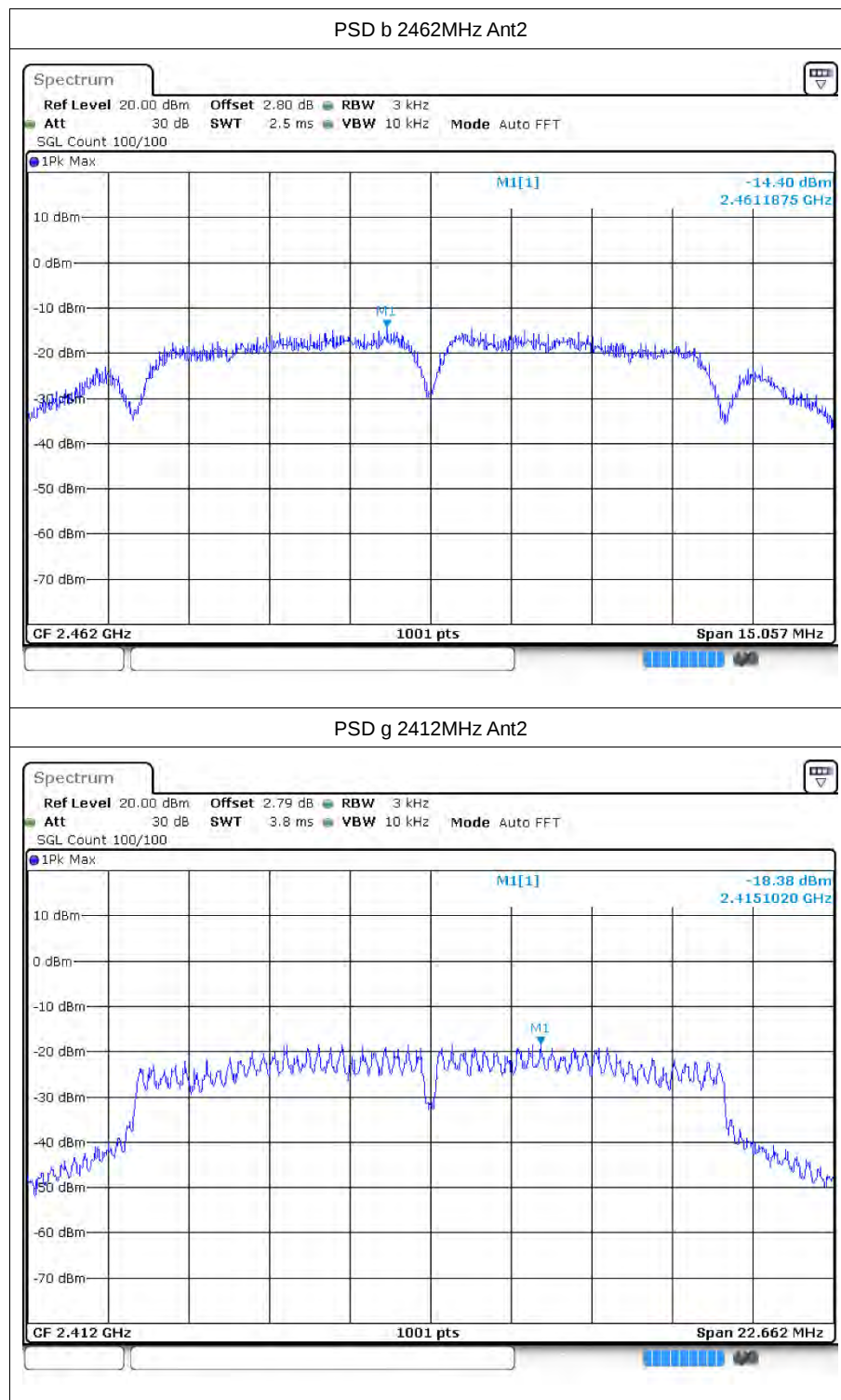
PSD ax20 2437MHz Ant1

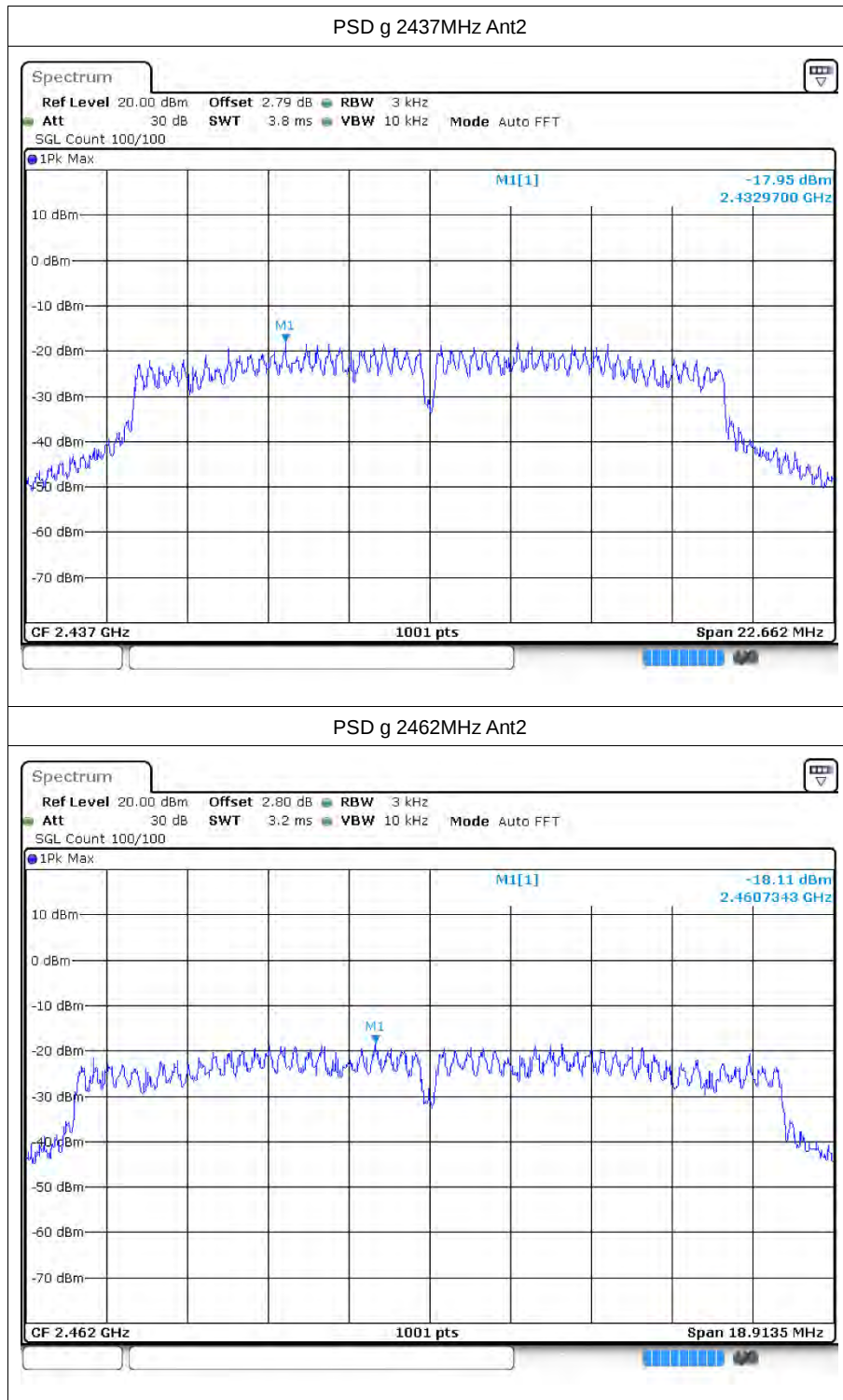


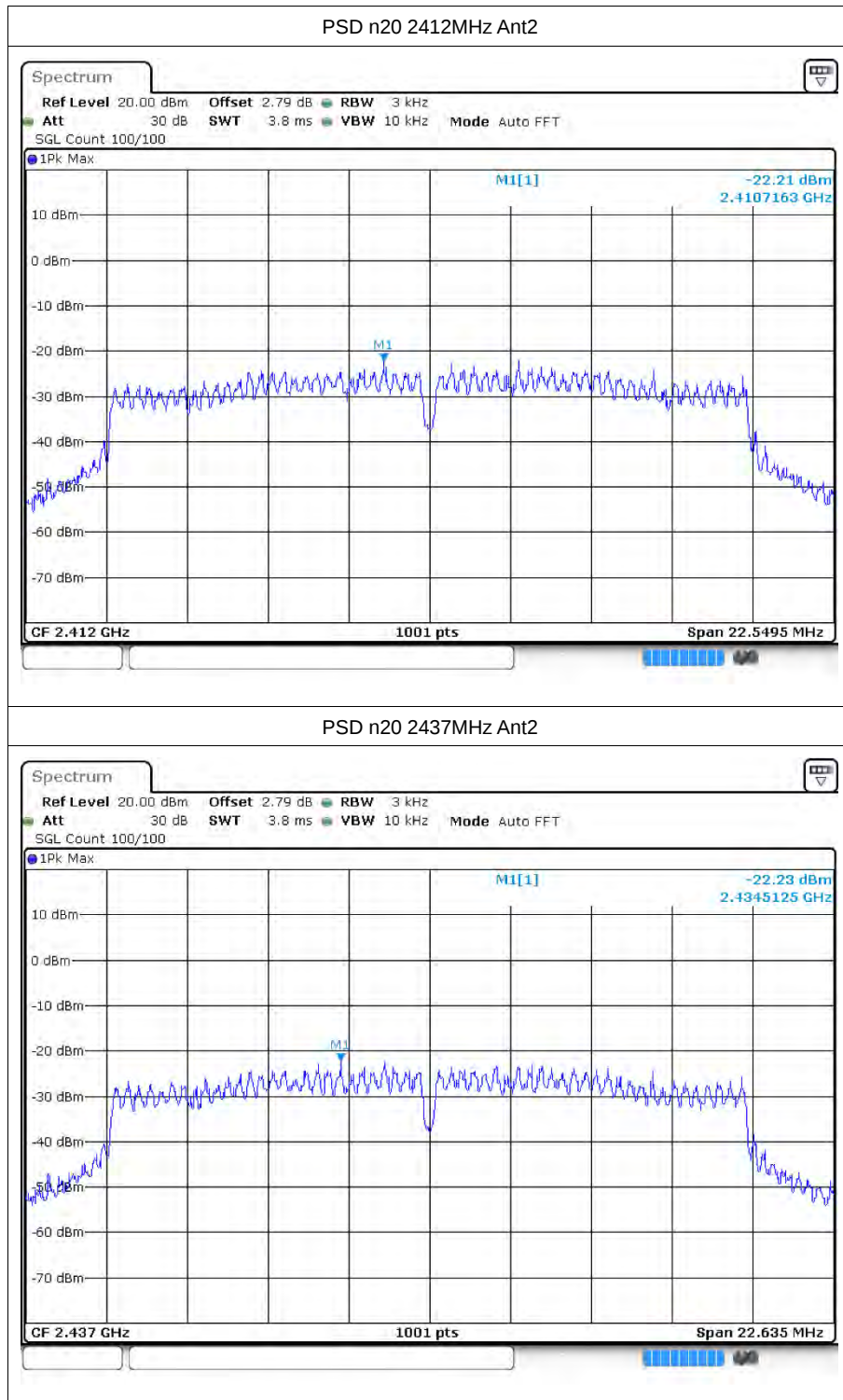


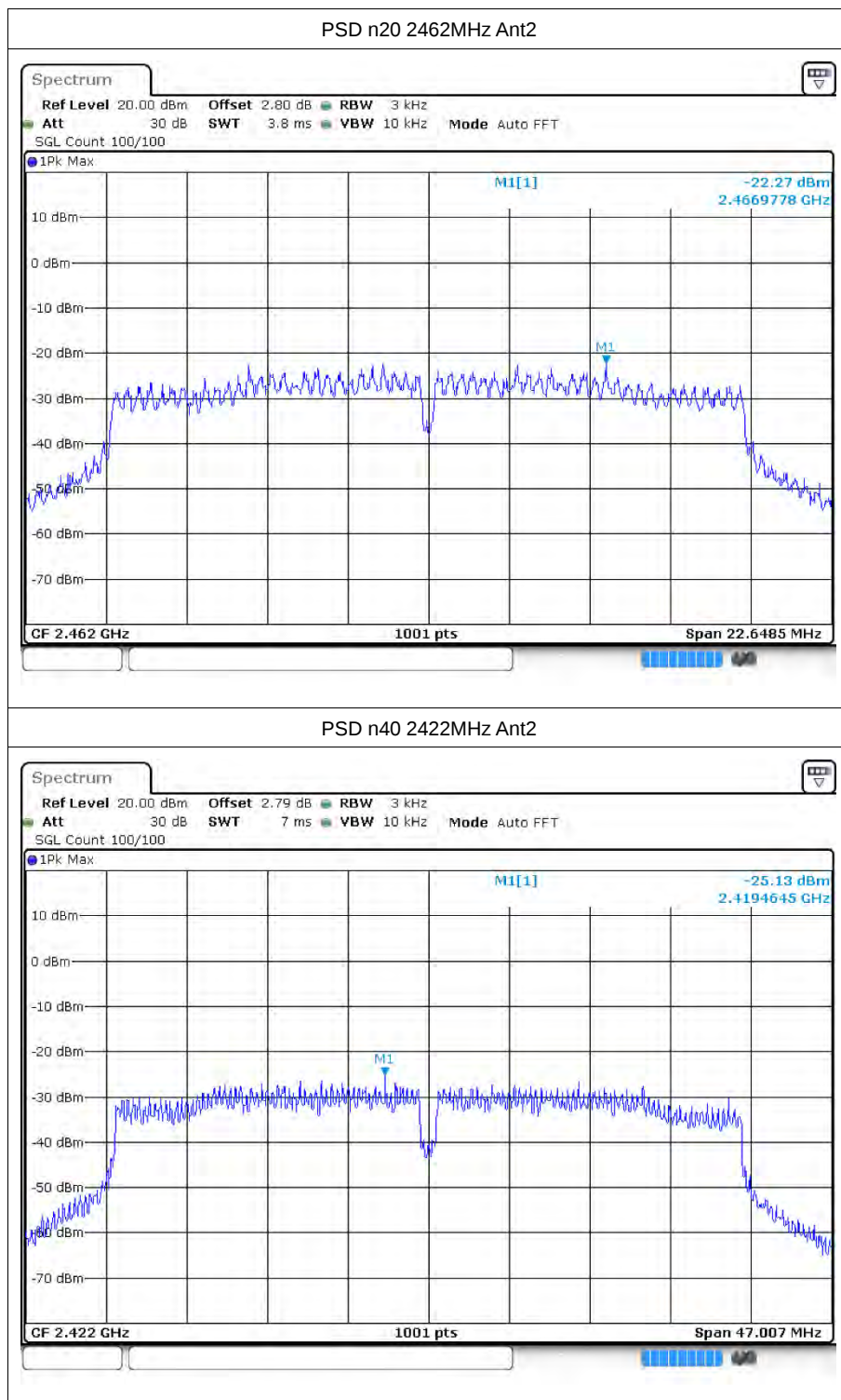


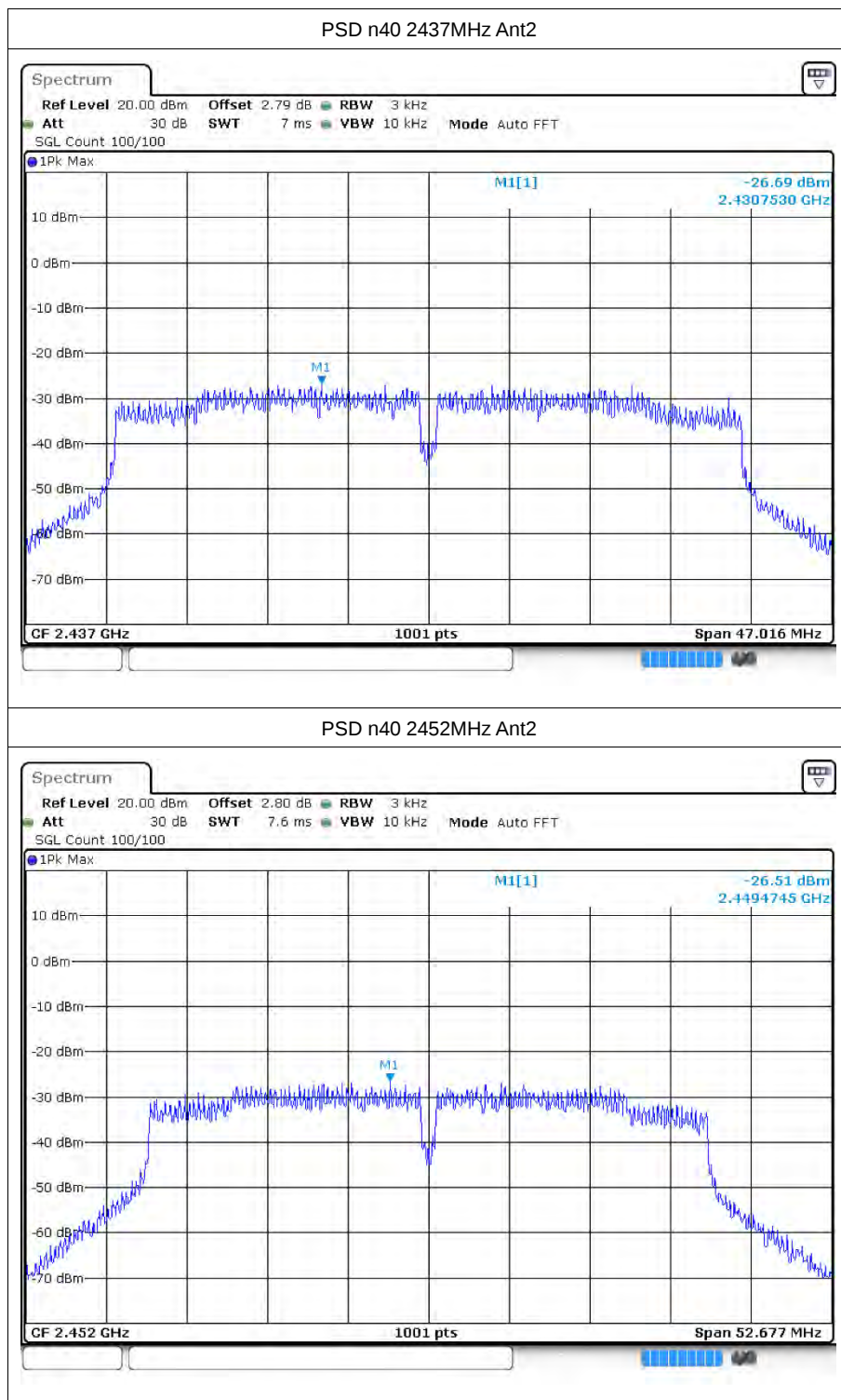




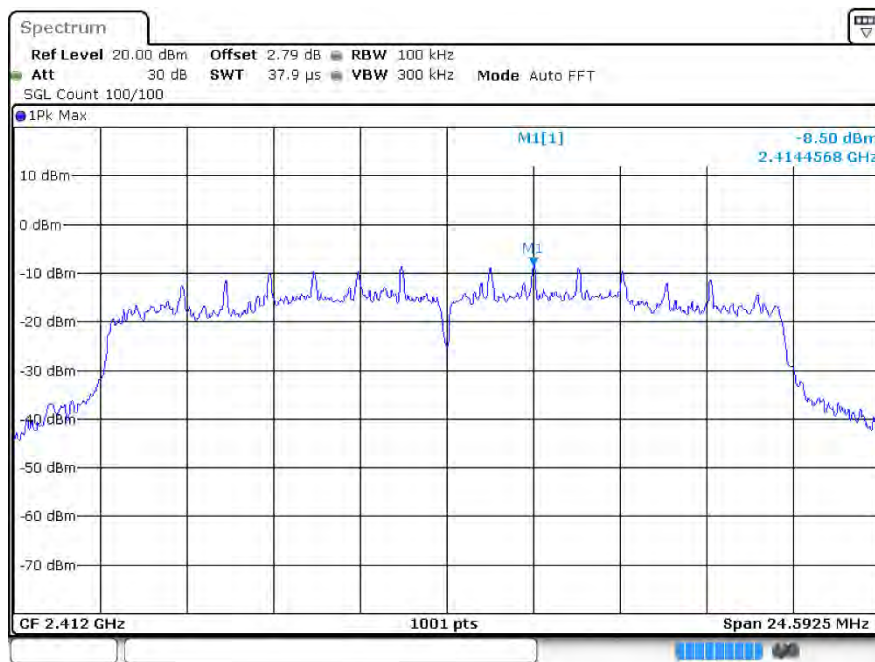




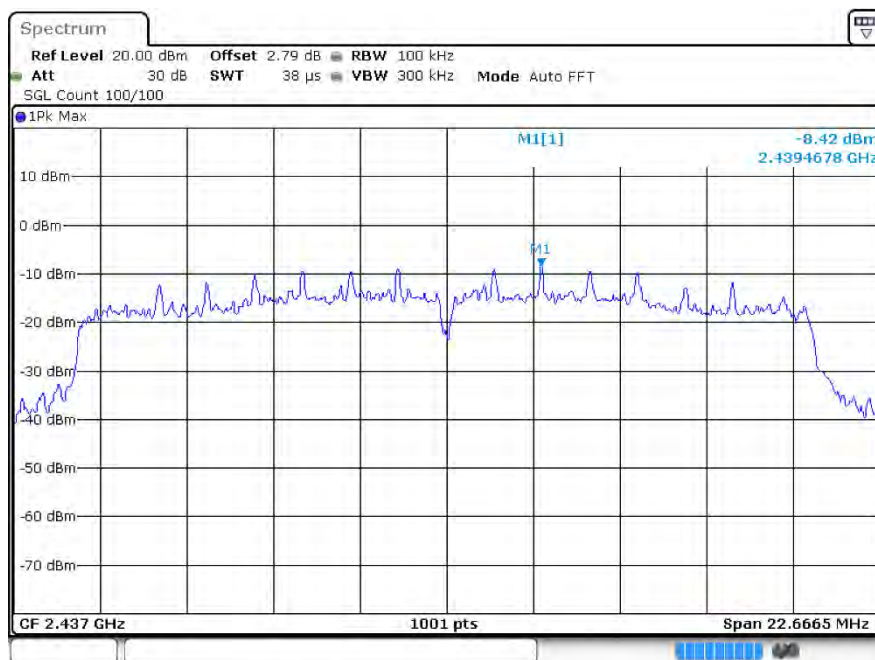


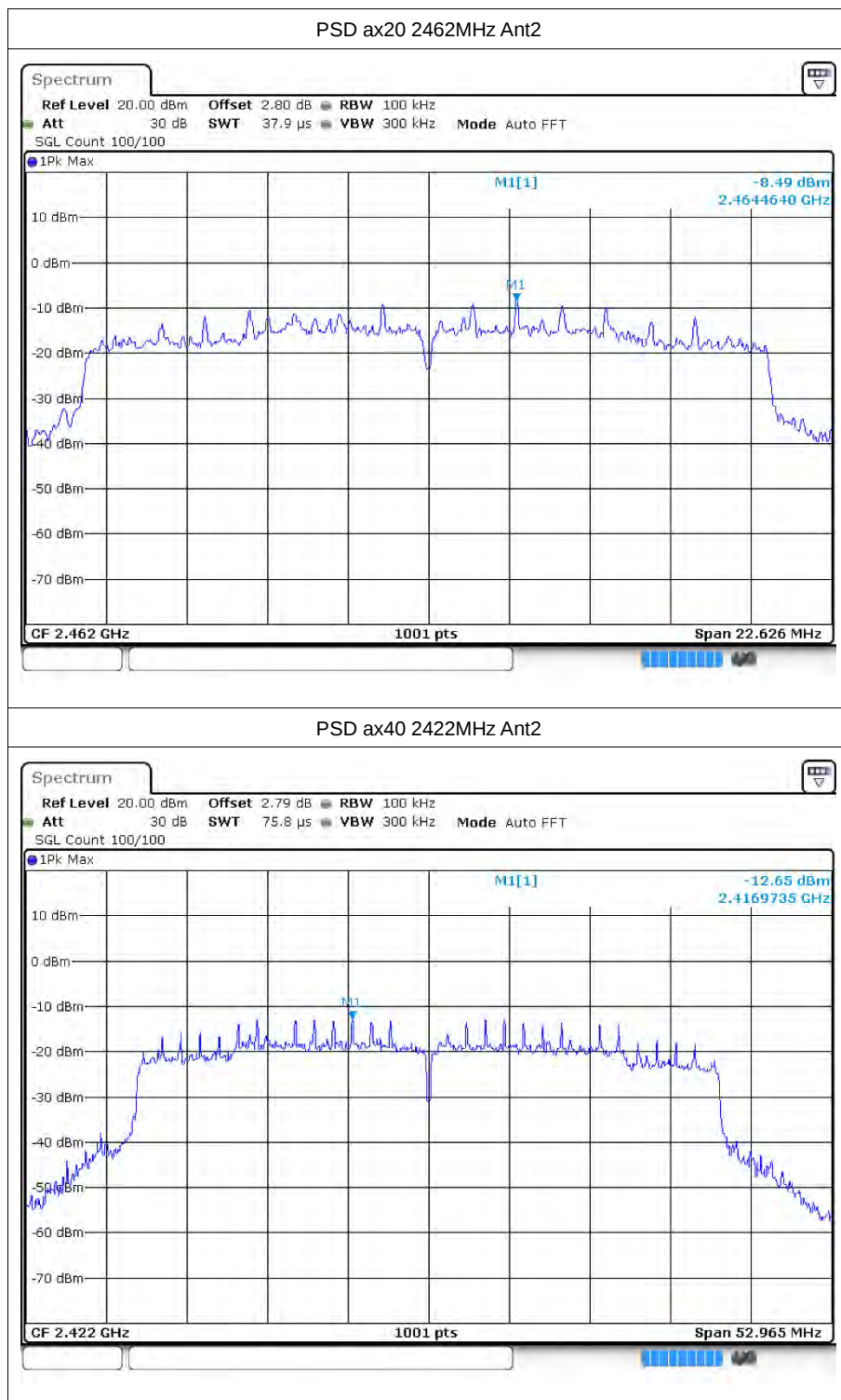


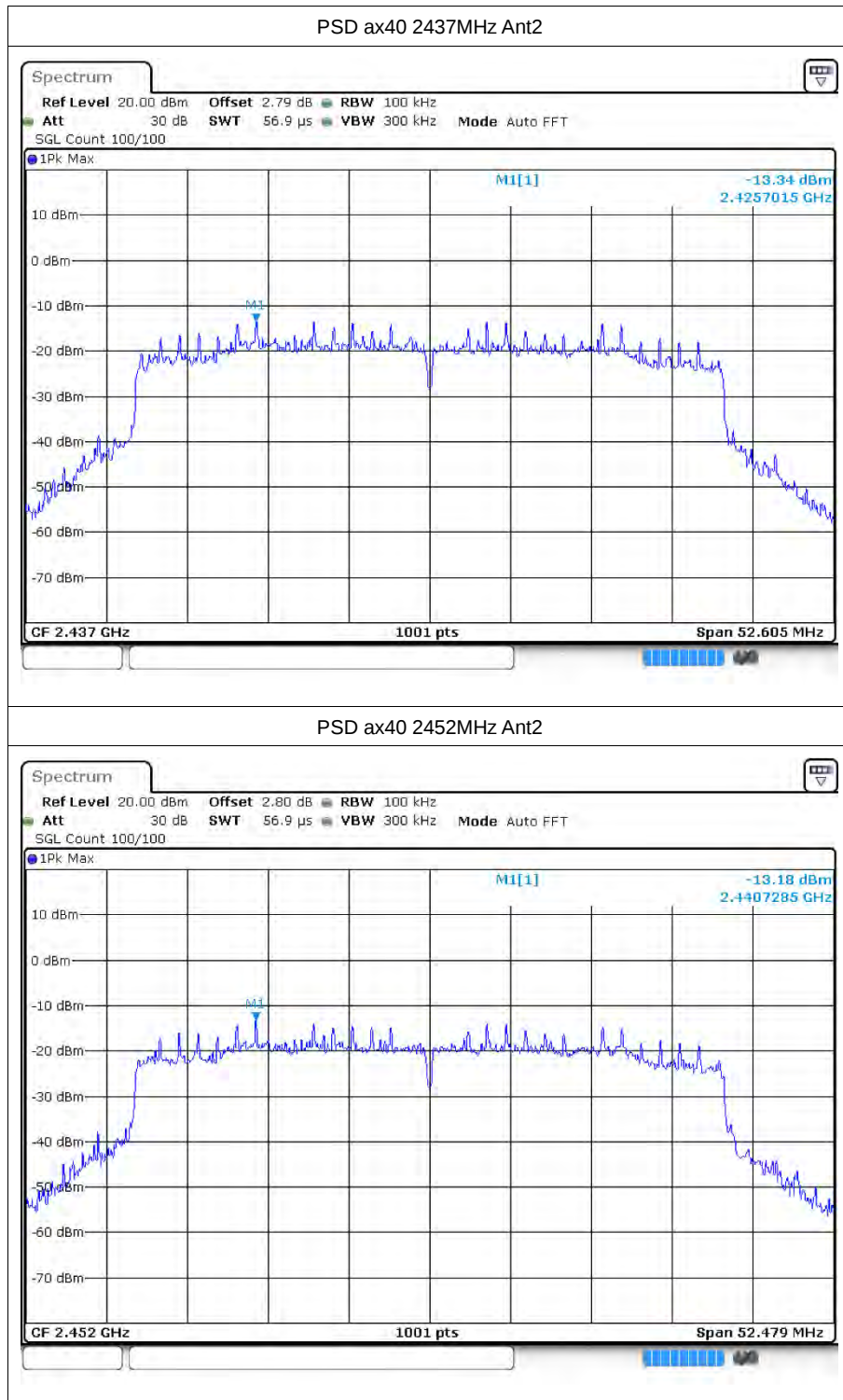
PSD ax20 2412MHz Ant2



PSD ax20 2437MHz Ant2







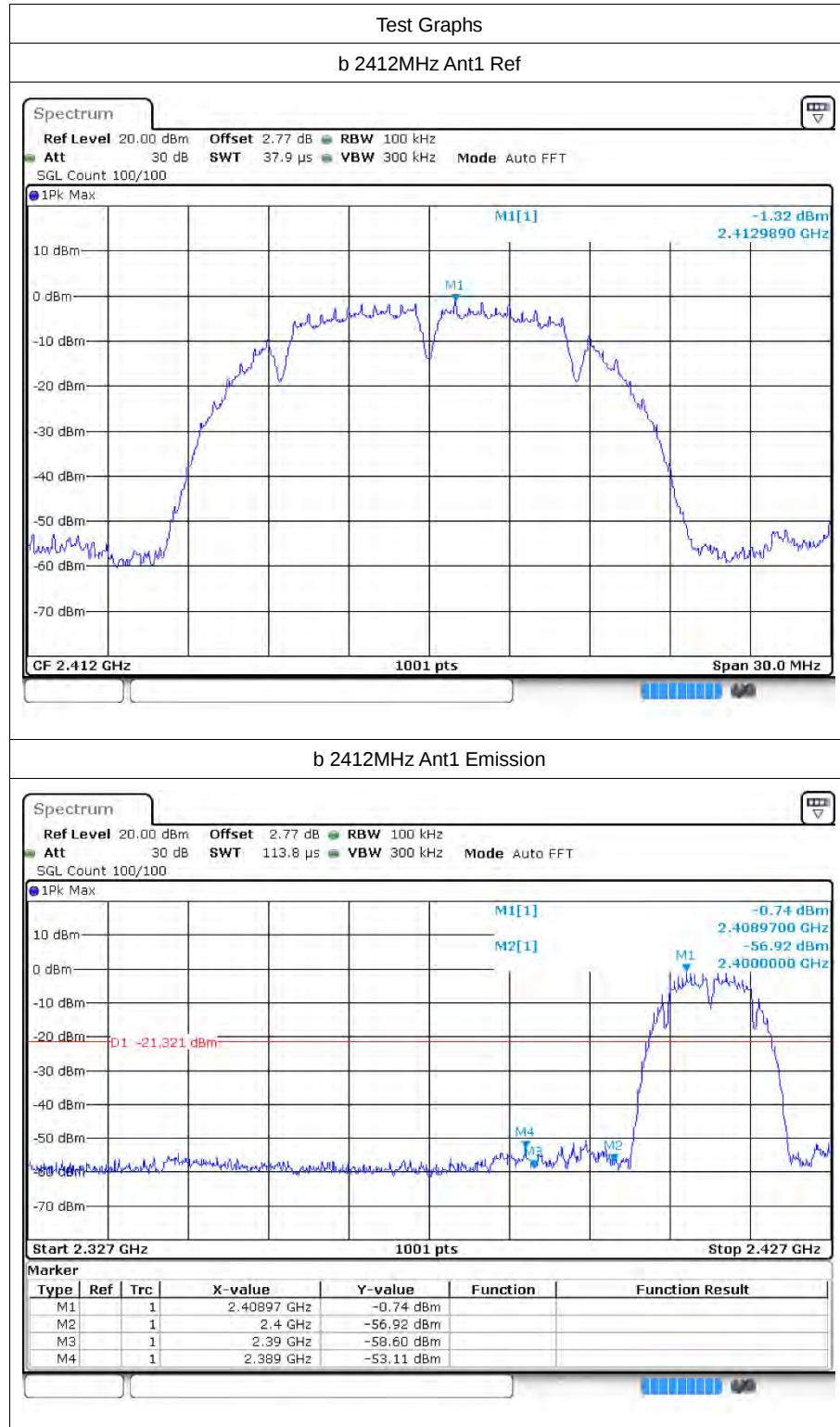


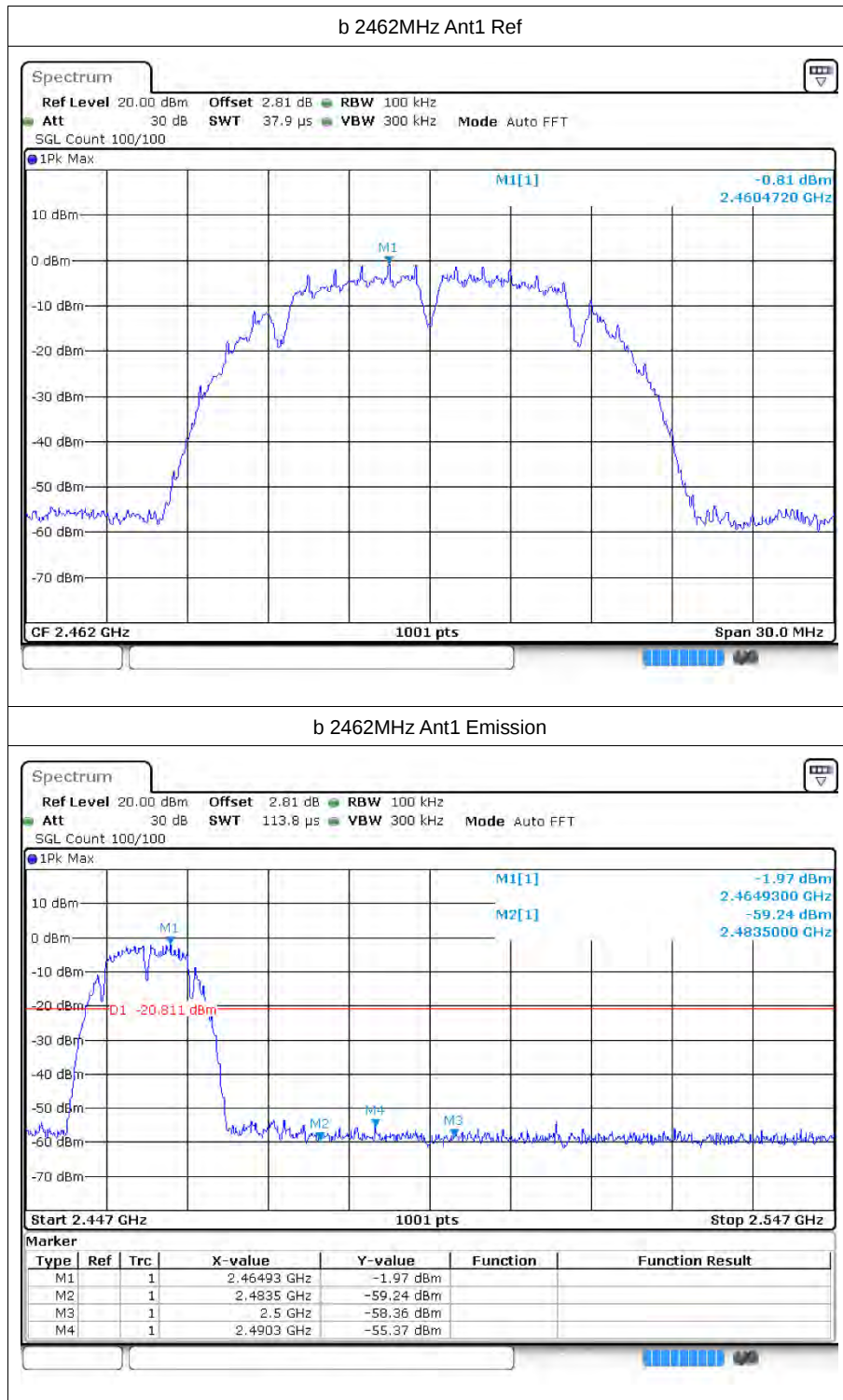
5 Band Edge

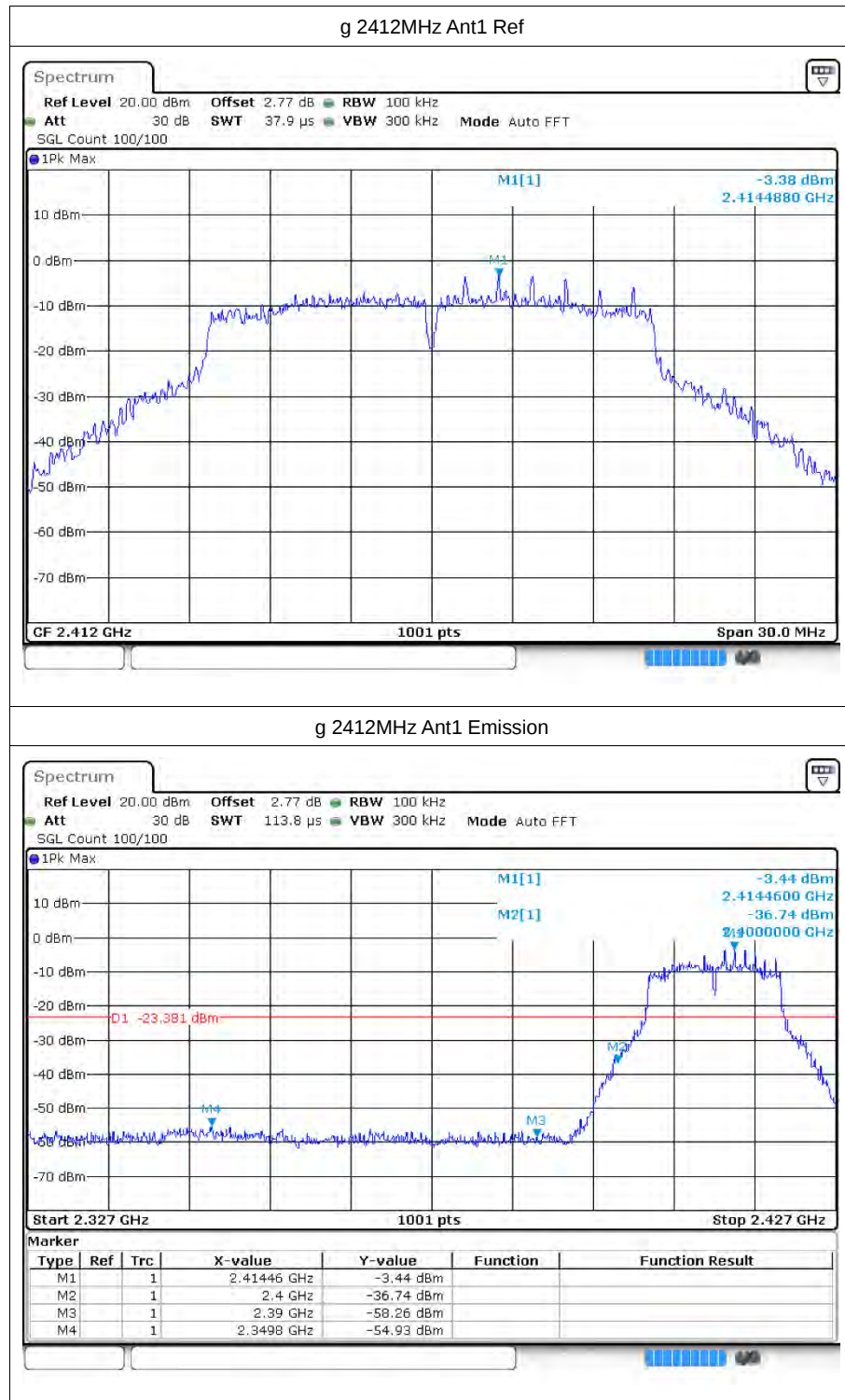
5.1 Test Result

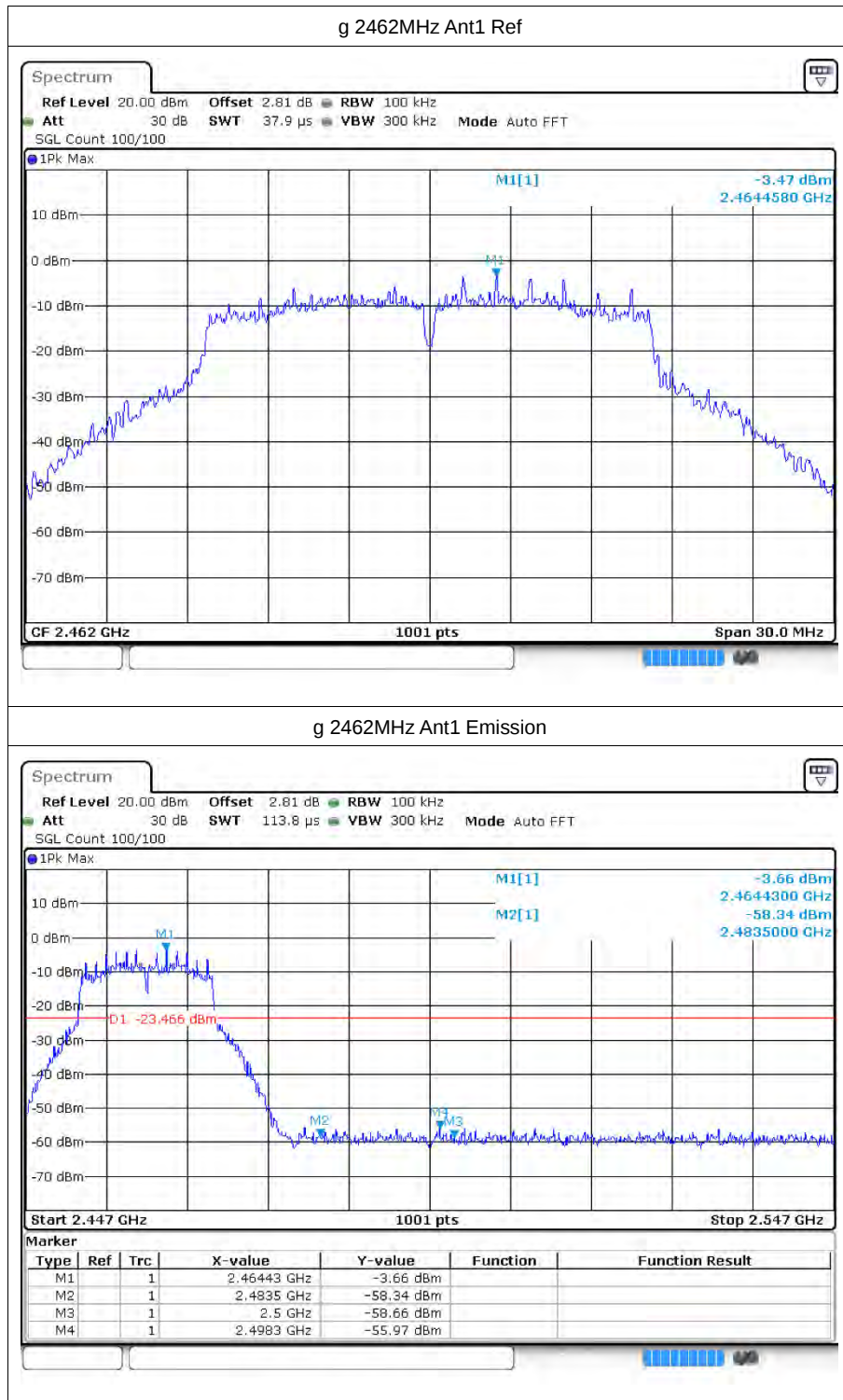
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-51.79	-20	Pass
b	2462	Ant1	-54.55	-20	Pass
g	2412	Ant1	-51.54	-20	Pass
g	2462	Ant1	-52.49	-20	Pass
n20	2412	Ant1	-45.04	-20	Pass
n20	2462	Ant1	-48.27	-20	Pass
n40	2422	Ant1	-43.73	-20	Pass
n40	2452	Ant1	-42.46	-20	Pass
ax20	2412	Ant1	-45.92	-20	Pass
ax20	2462	Ant1	-47.55	-20	Pass
ax40	2422	Ant1	-44.05	-20	Pass
ax40	2452	Ant1	-43.87	-20	Pass
b	2412	Ant2	-53.44	-20	-53.44
b	2462	Ant2	-54.09	-20	Pass
g	2412	Ant2	-51.45	-20	Pass
g	2462	Ant2	-52.39	-20	Pass
n20	2412	Ant2	-46.58	-20	Pass
n20	2462	Ant2	-45.23	-20	Pass
n40	2422	Ant2	-45.03	-20	Pass
n40	2452	Ant2	-44.37	-20	Pass
ax20	2412	Ant2	-45.29	-20	Pass
ax20	2462	Ant2	-47.89	-20	Pass
ax40	2422	Ant2	-42.42	-20	Pass
ax40	2452	Ant2	-43.38	-20	Pass

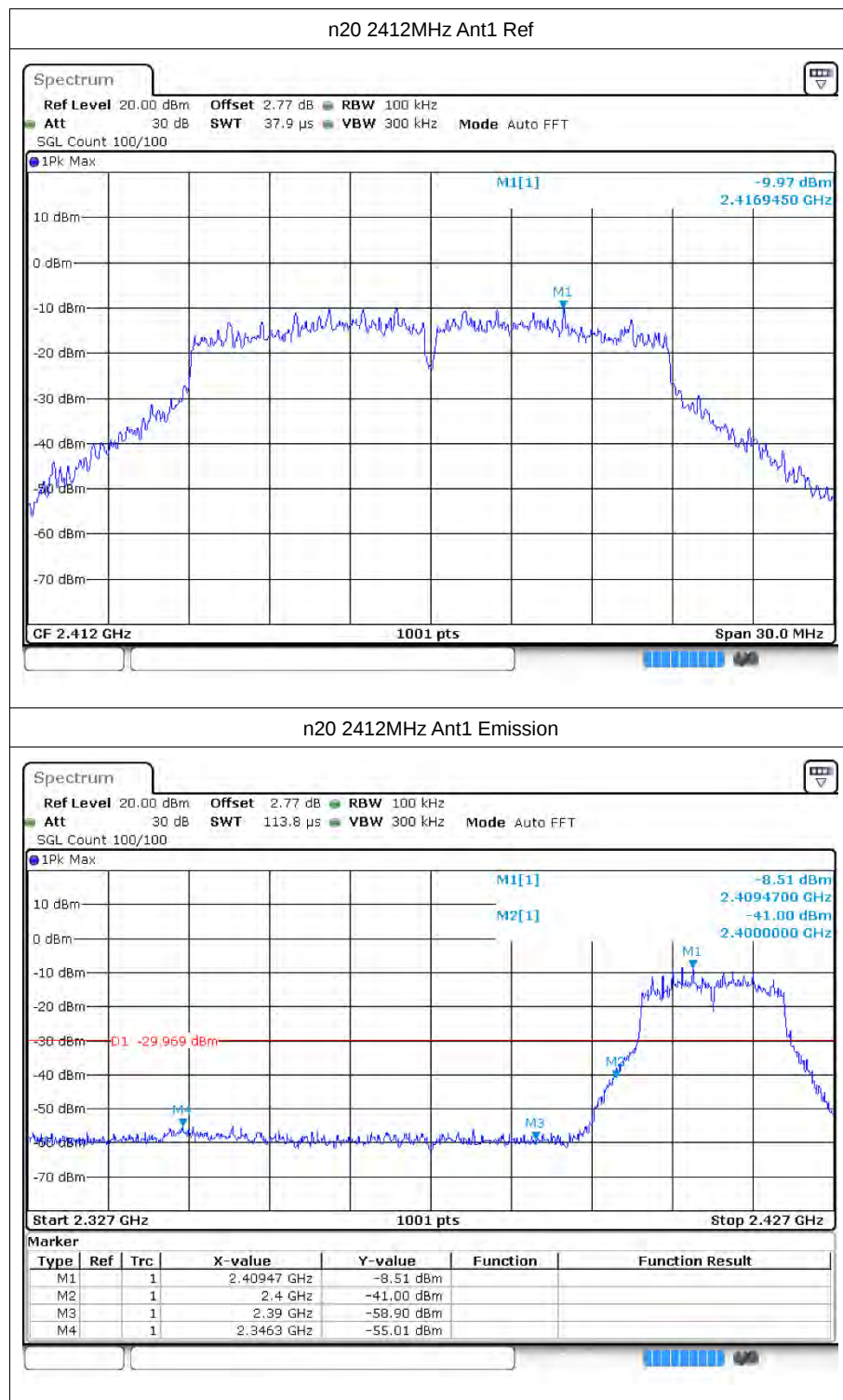
5.2 Test Graphs

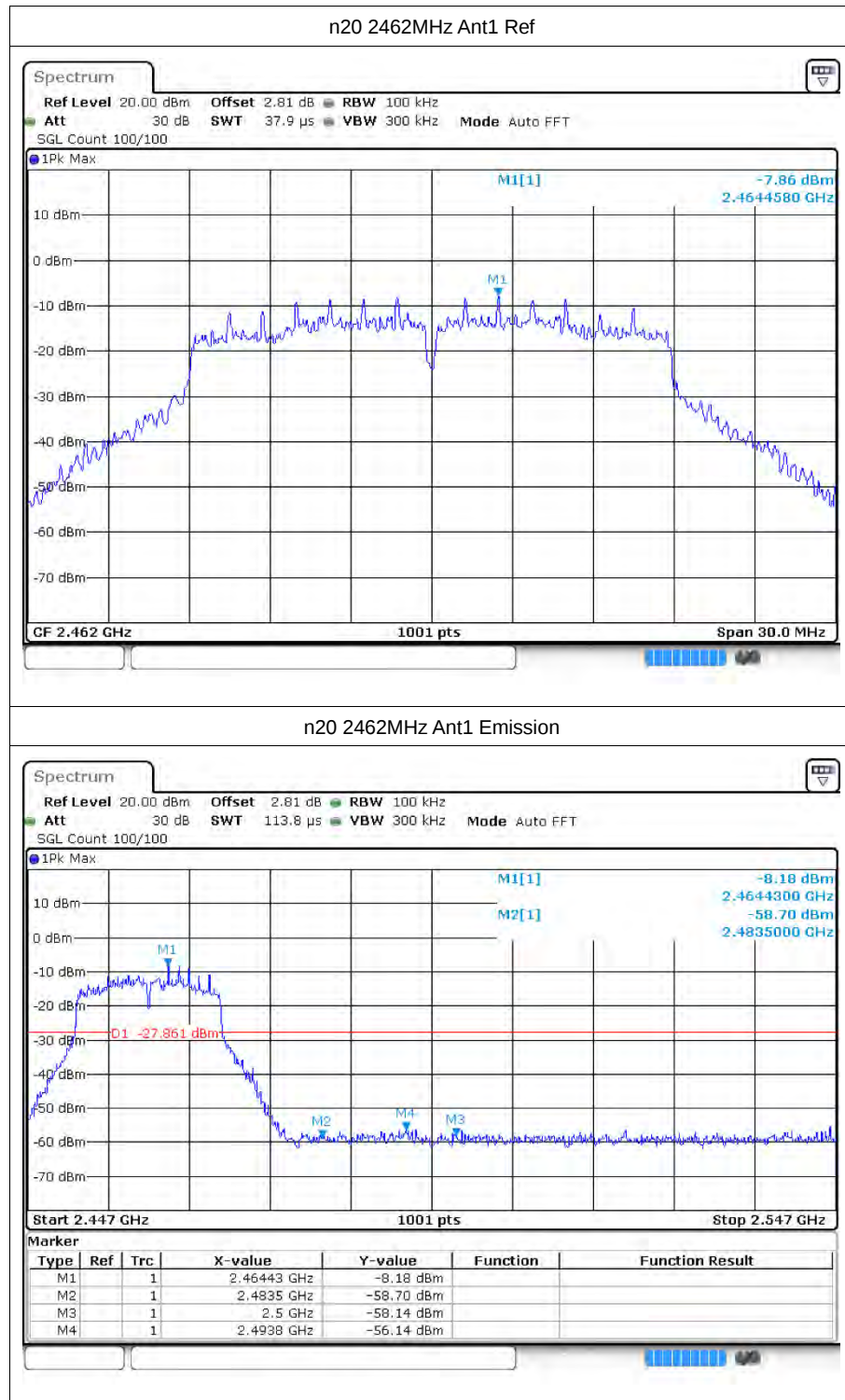


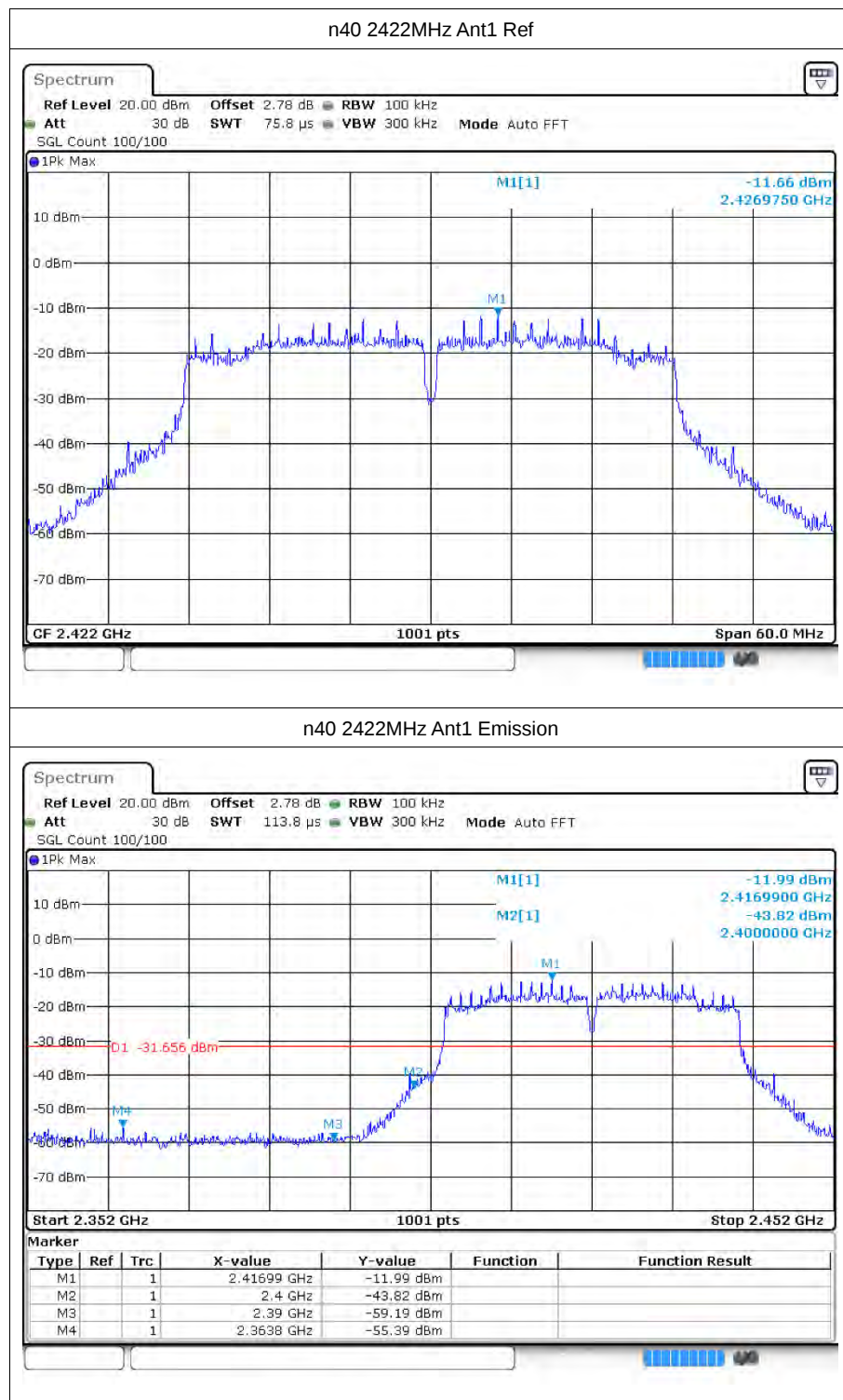


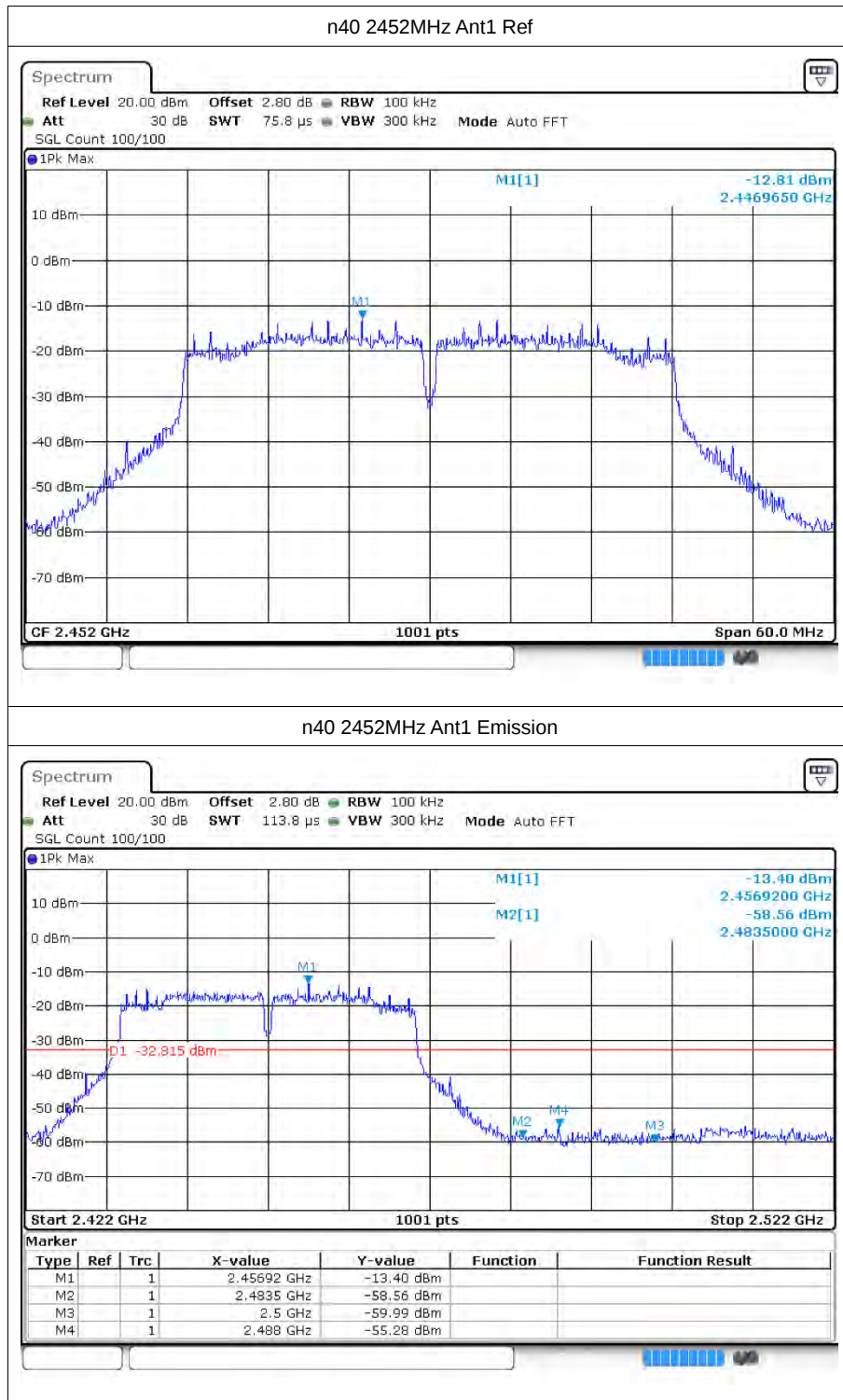




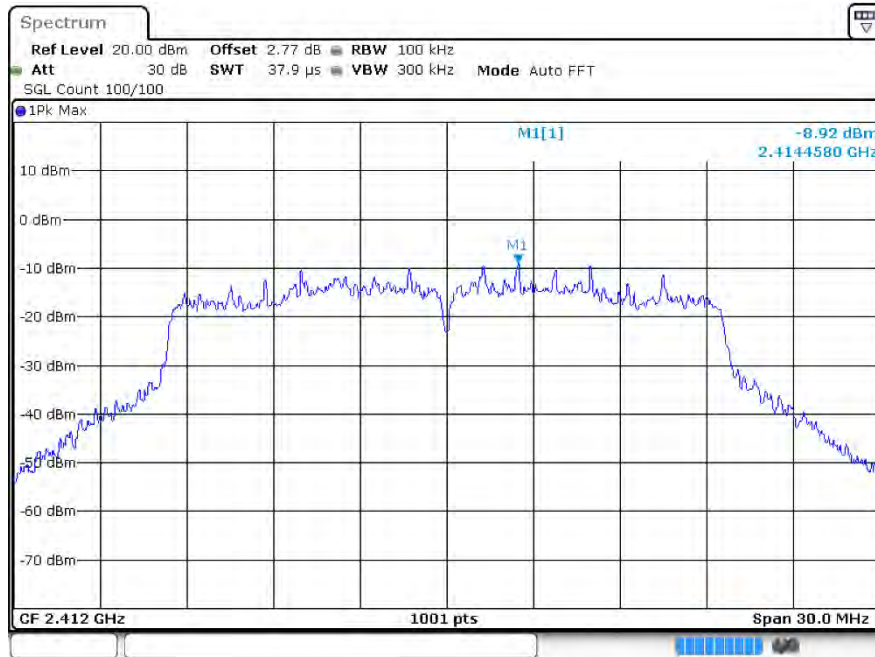




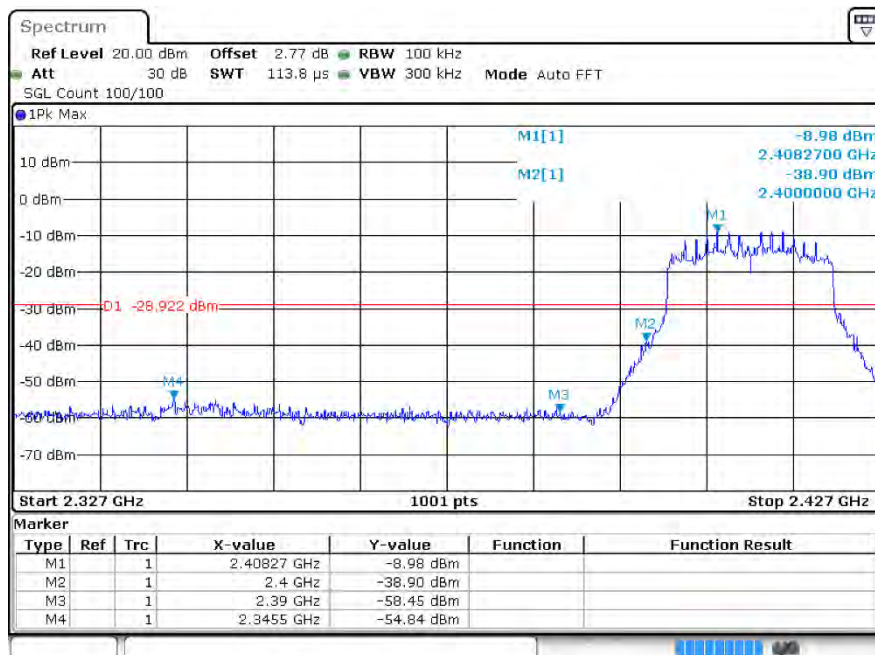


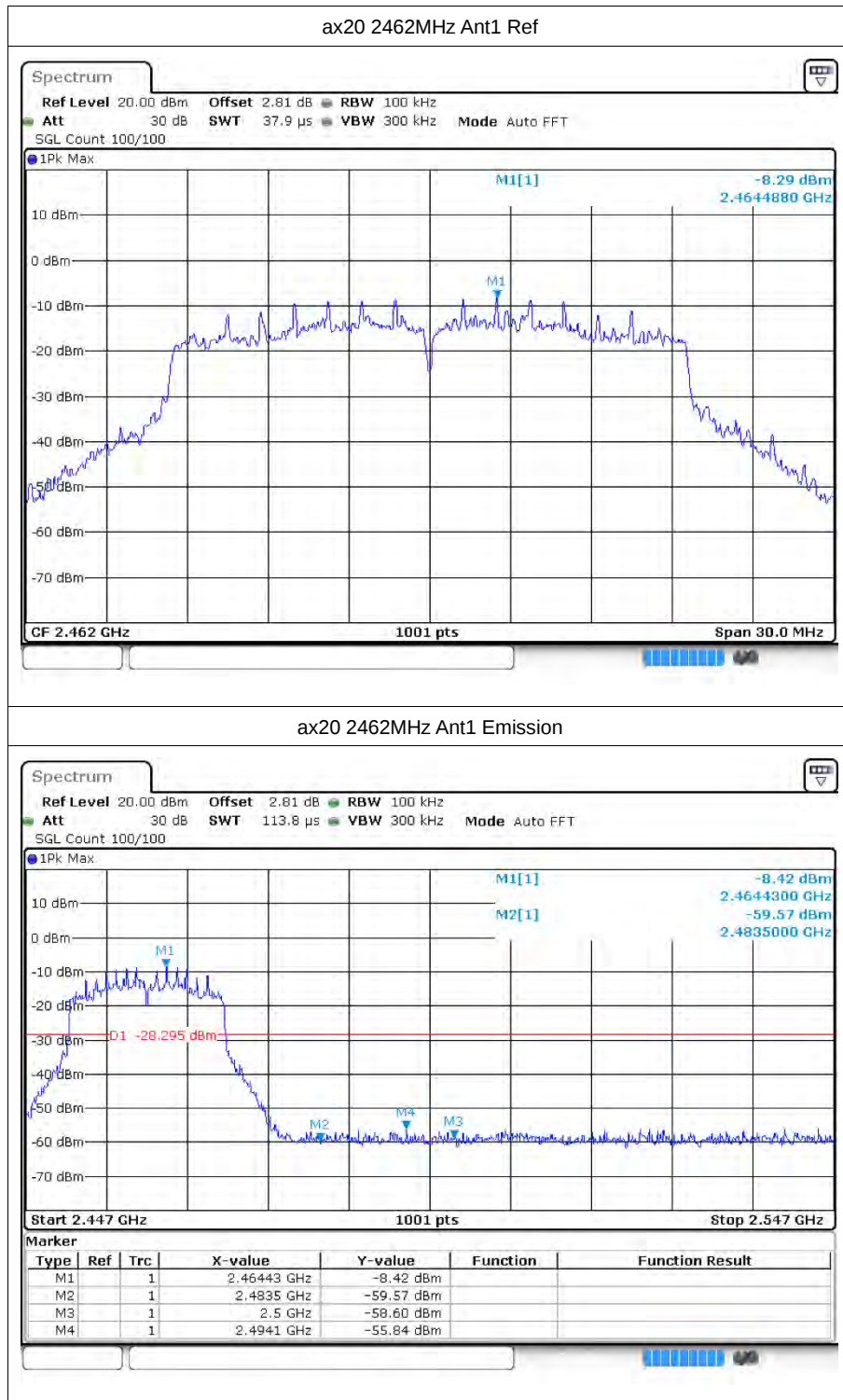


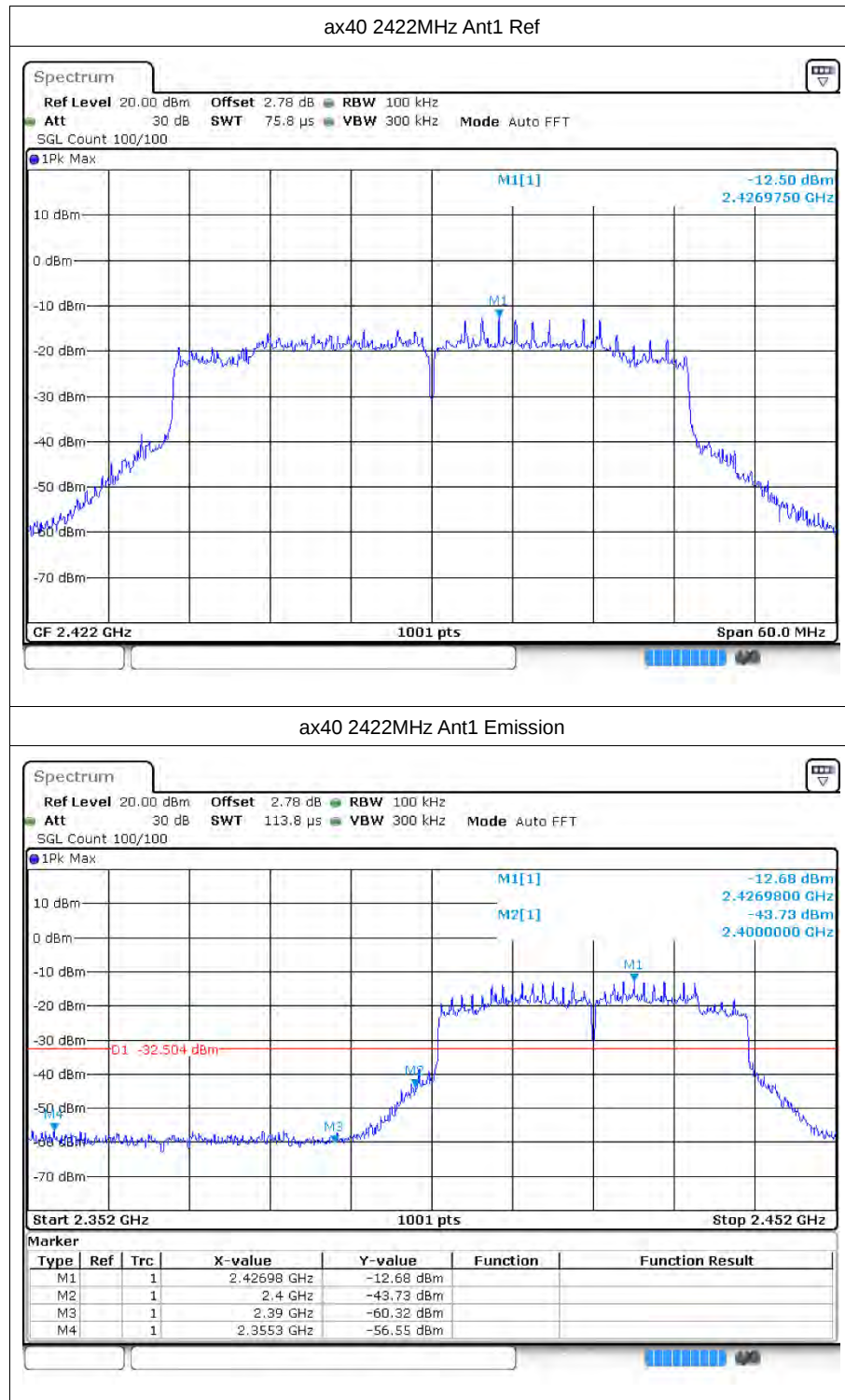
ax20 2412MHz Ant1 Ref

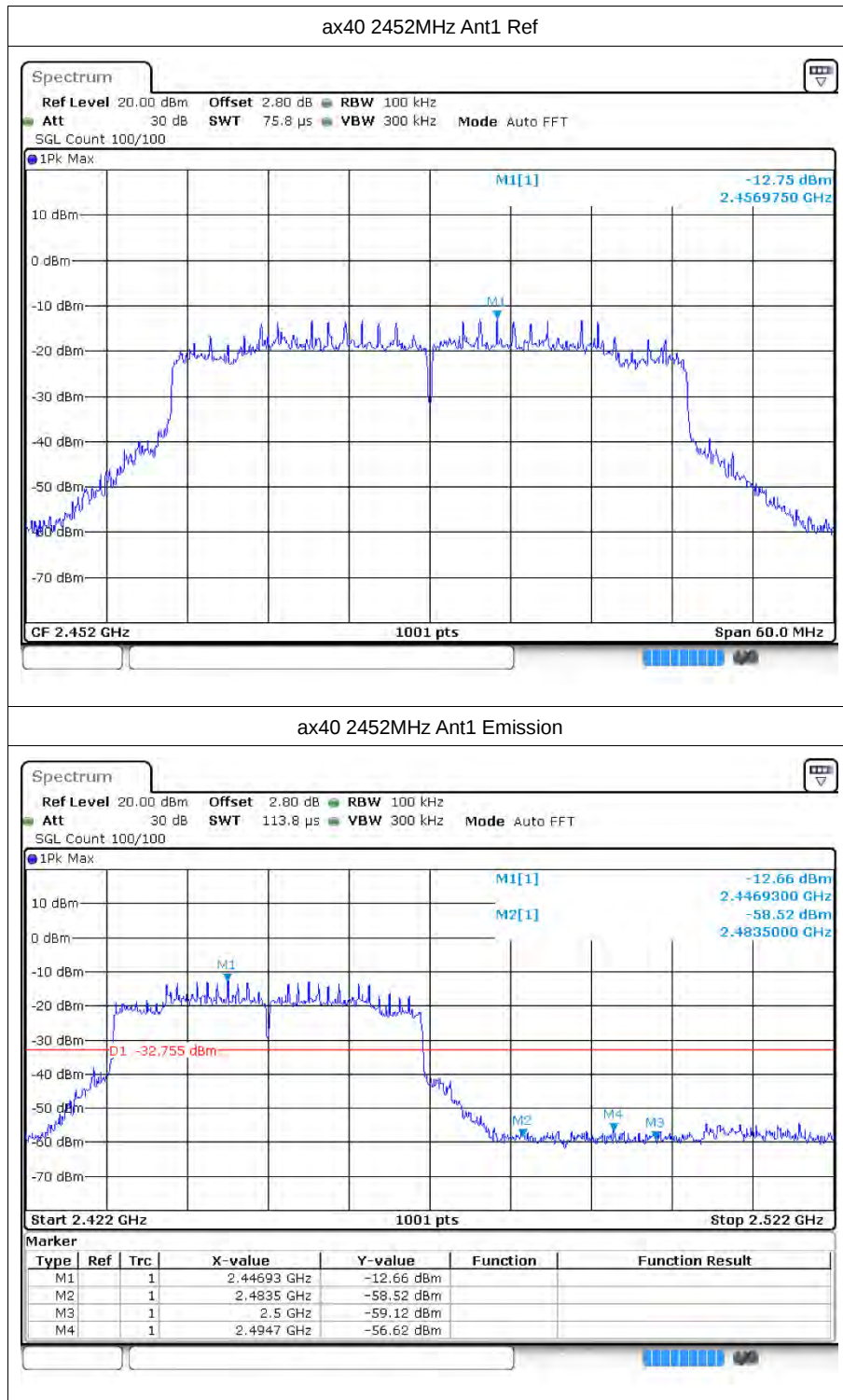


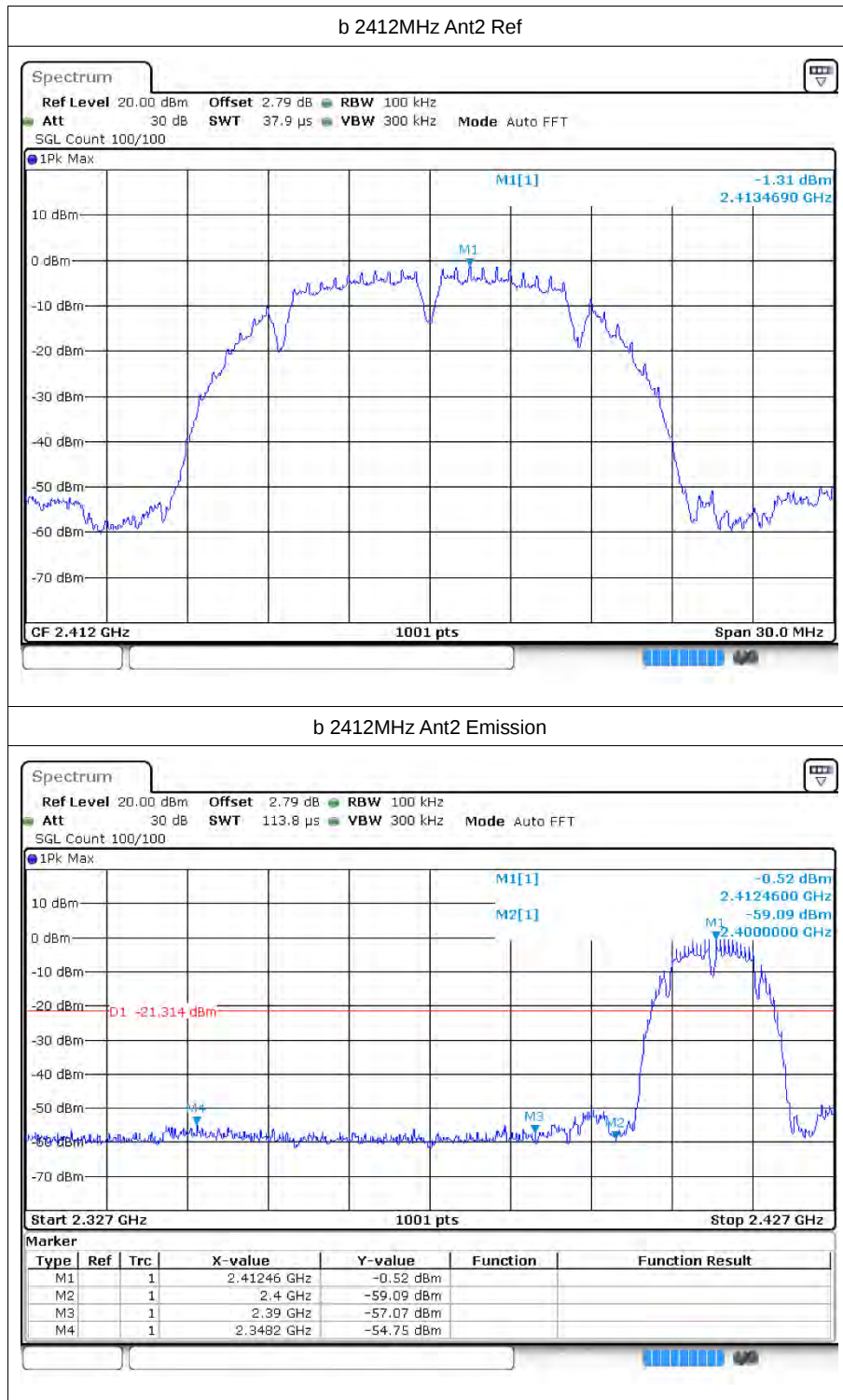
ax20 2412MHz Ant1 Emission

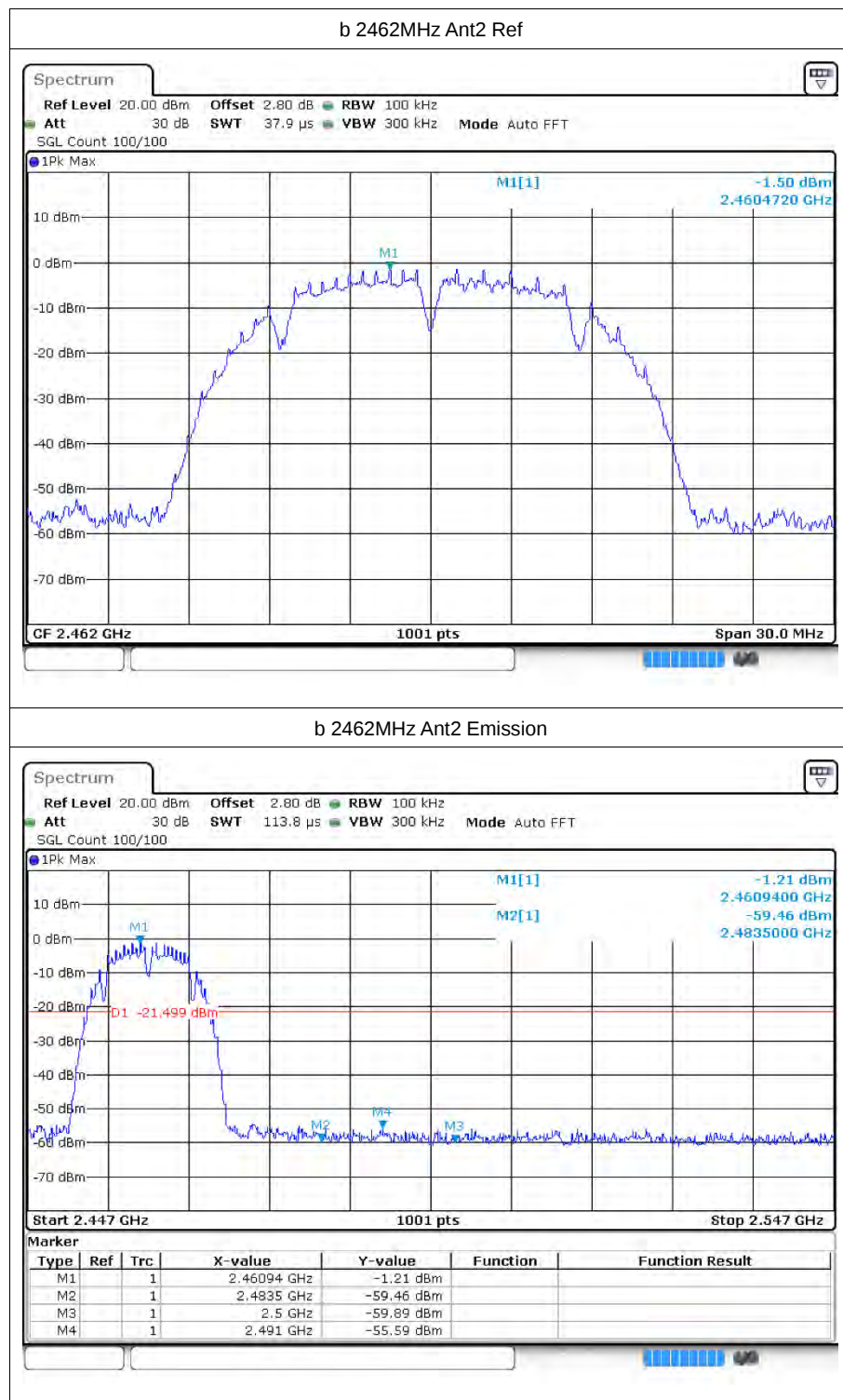


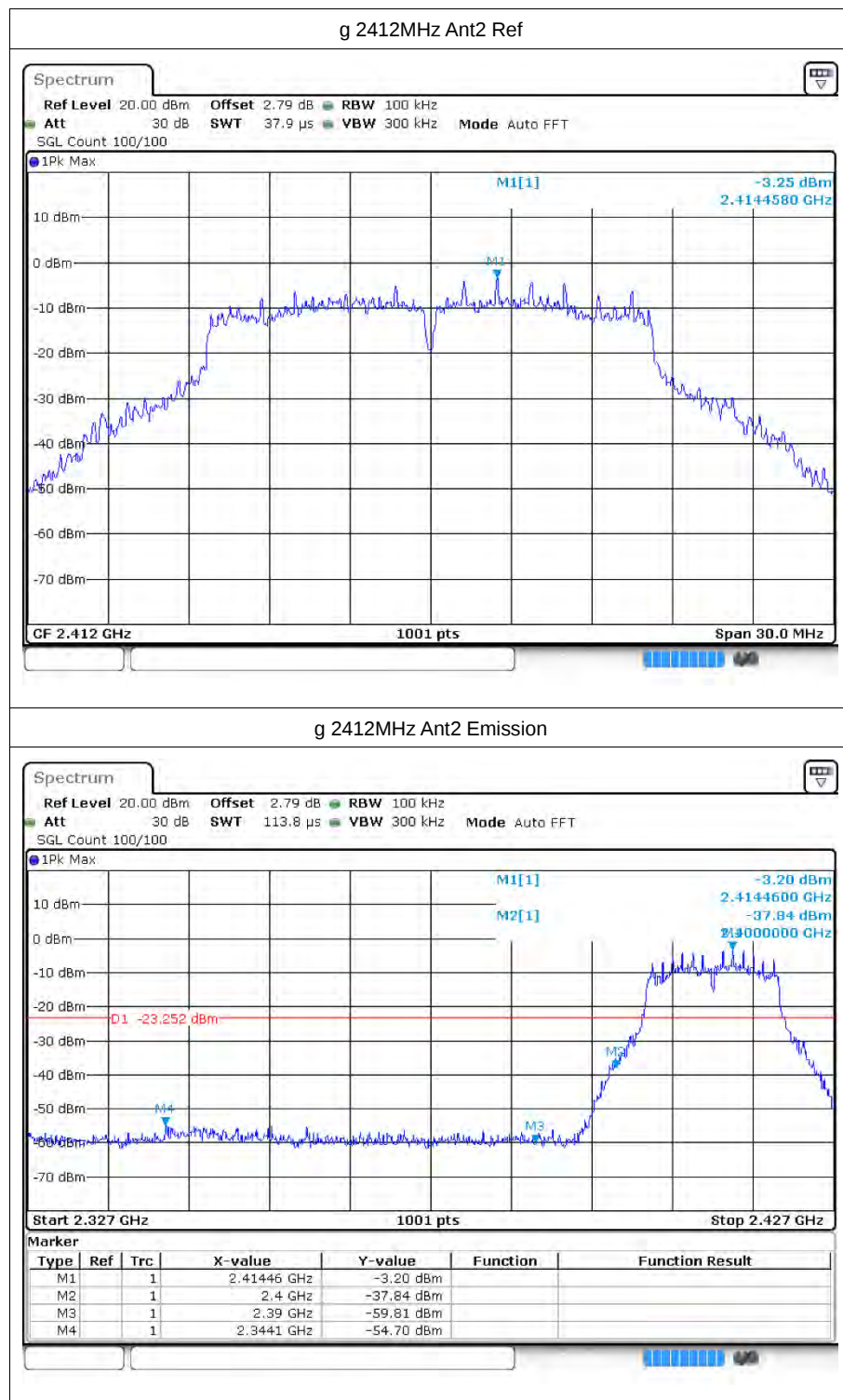


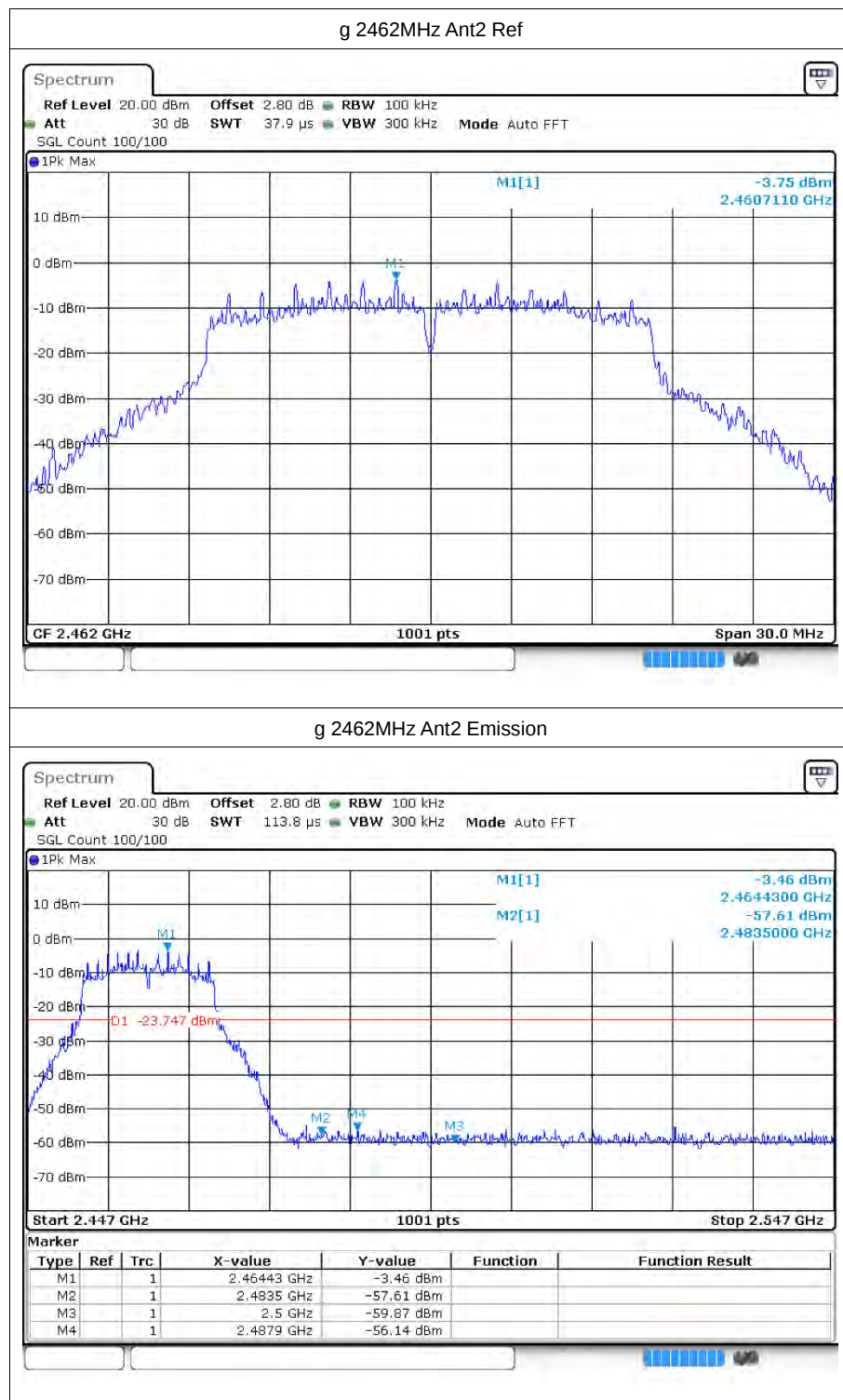


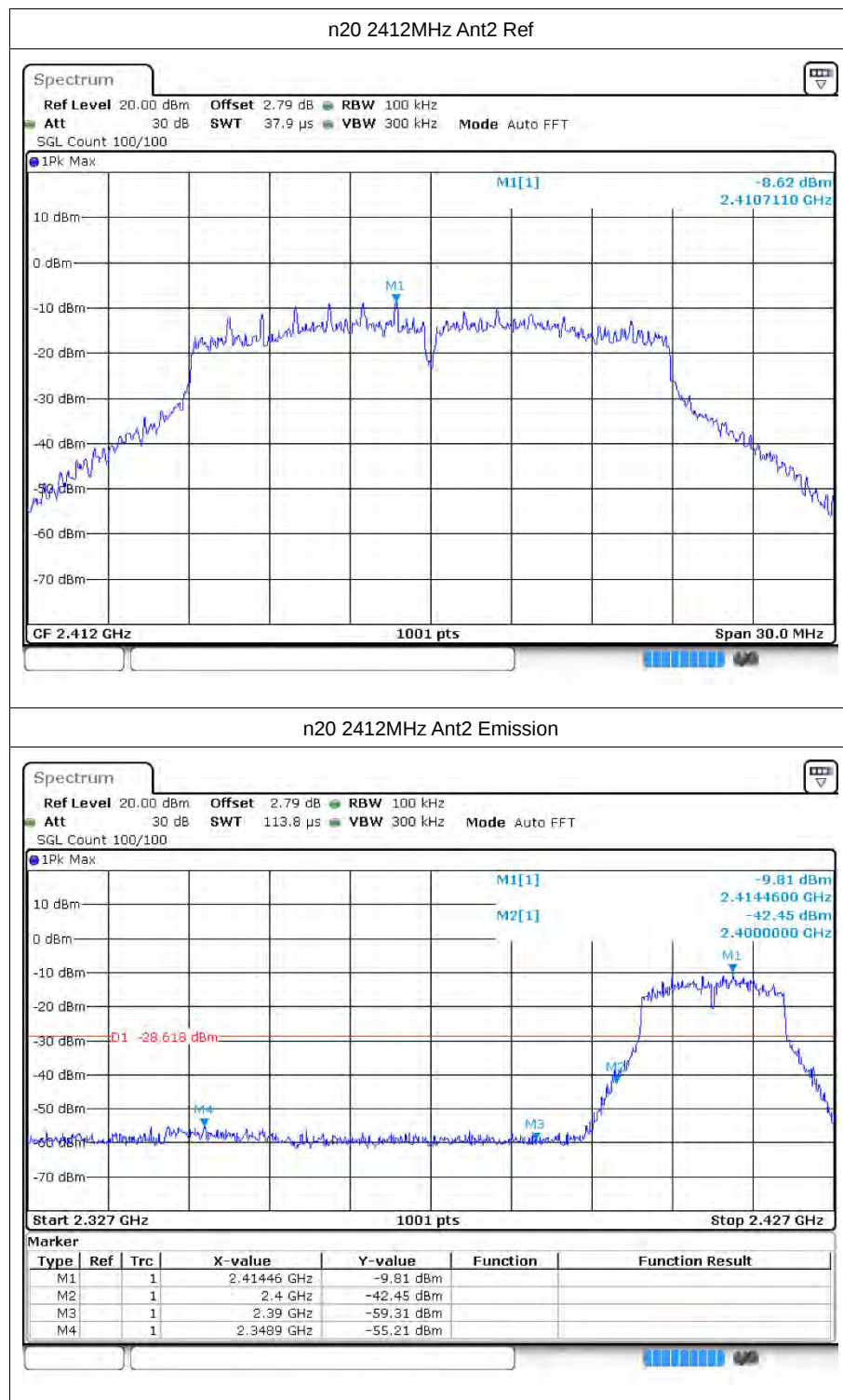


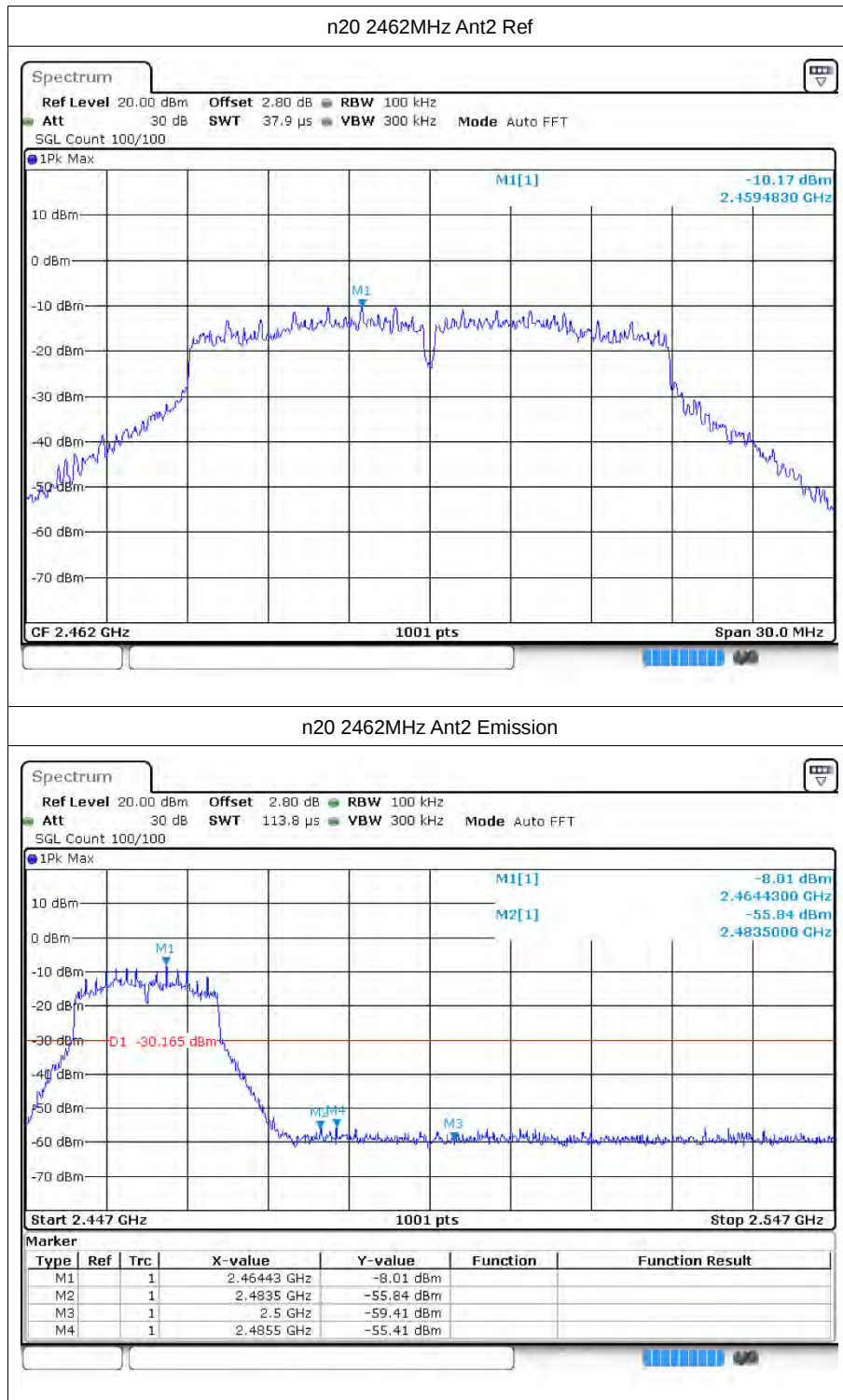


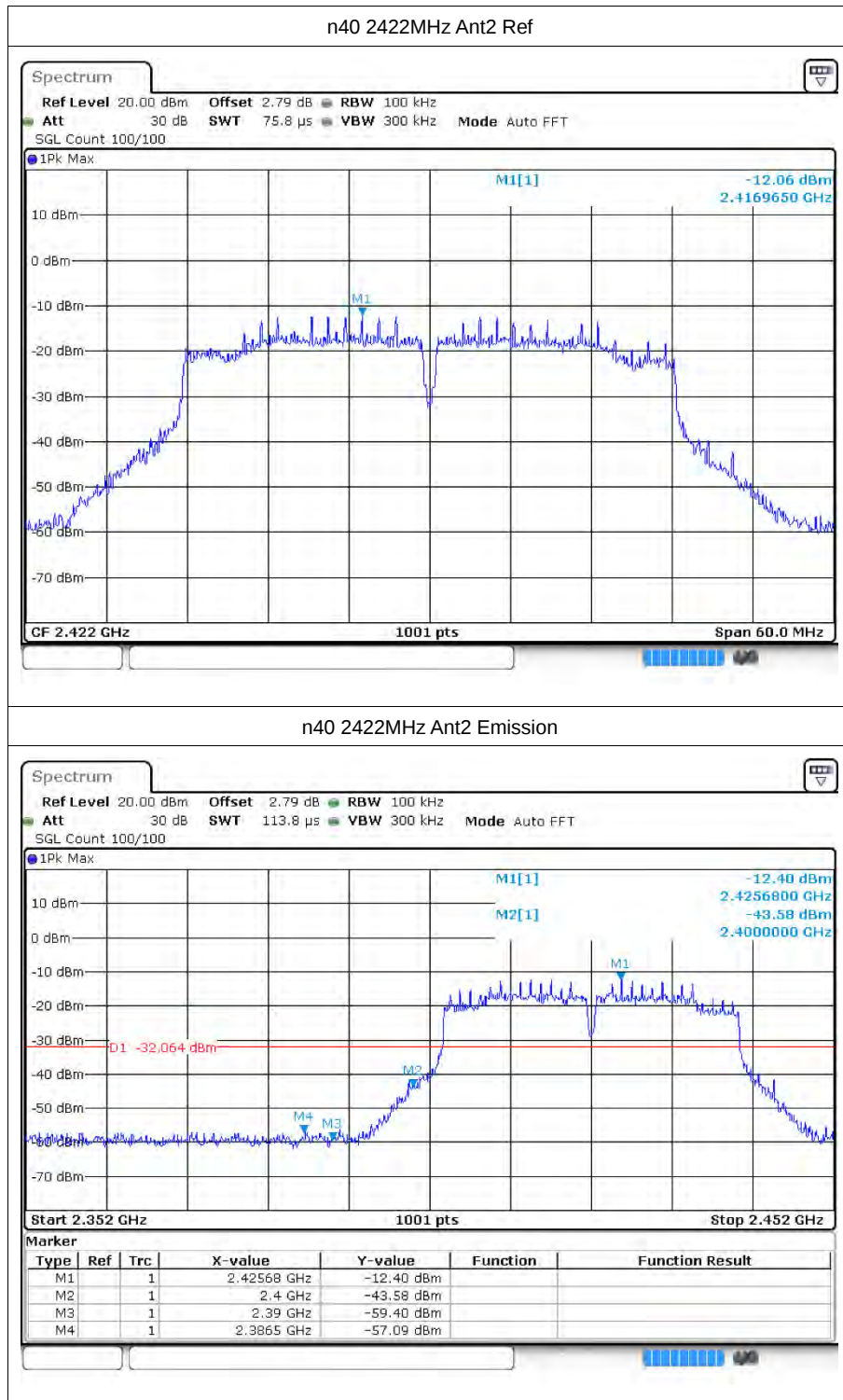


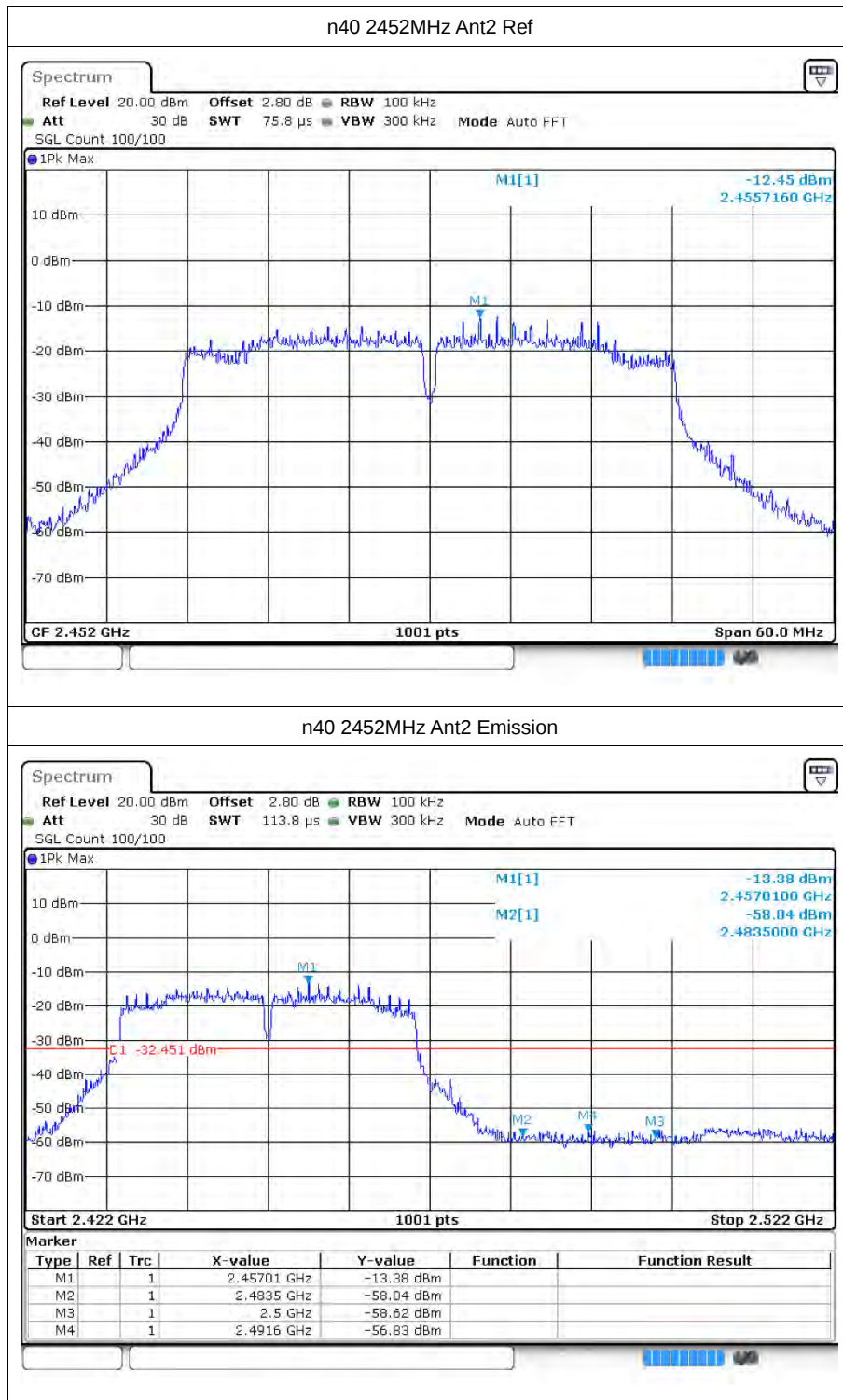




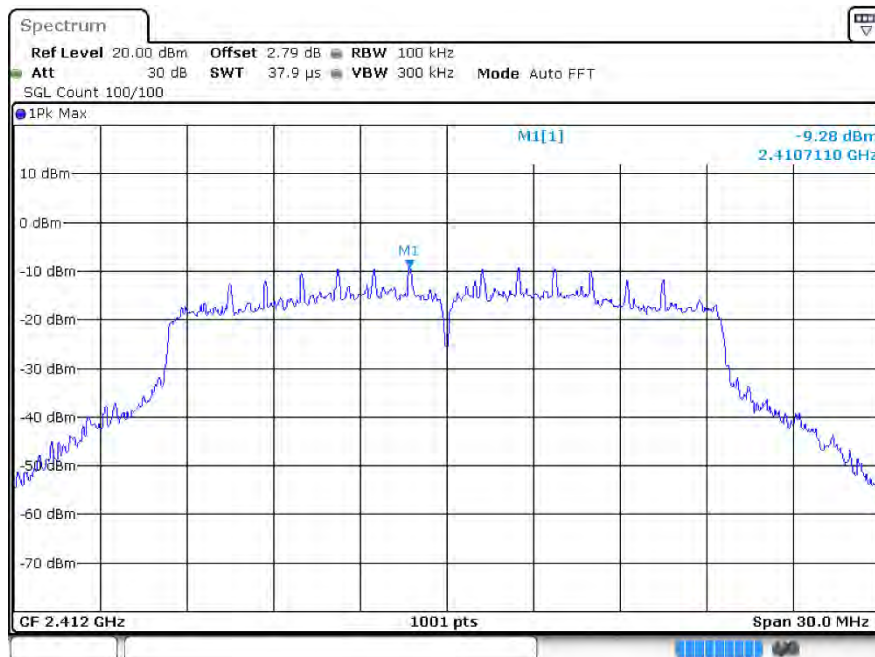




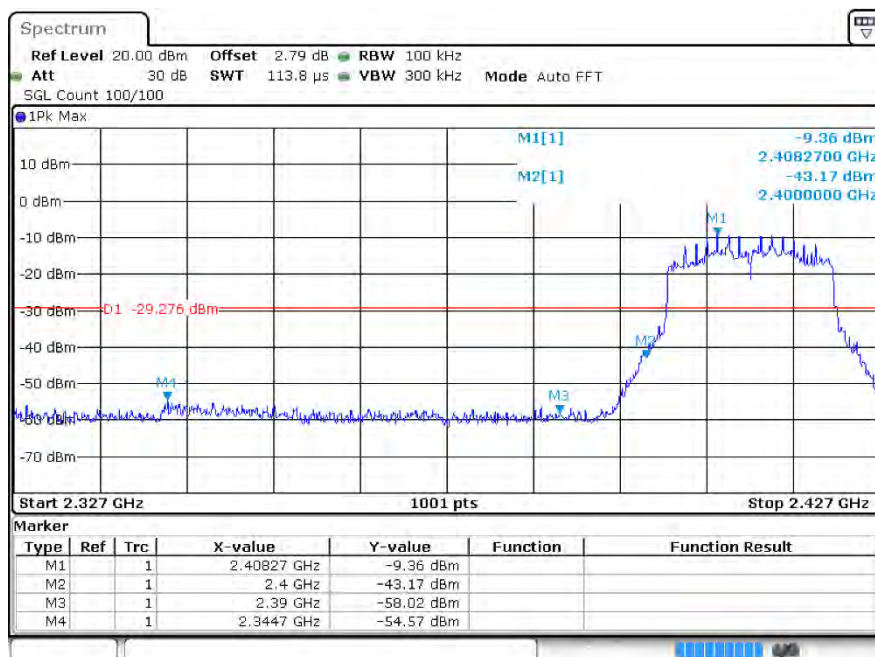


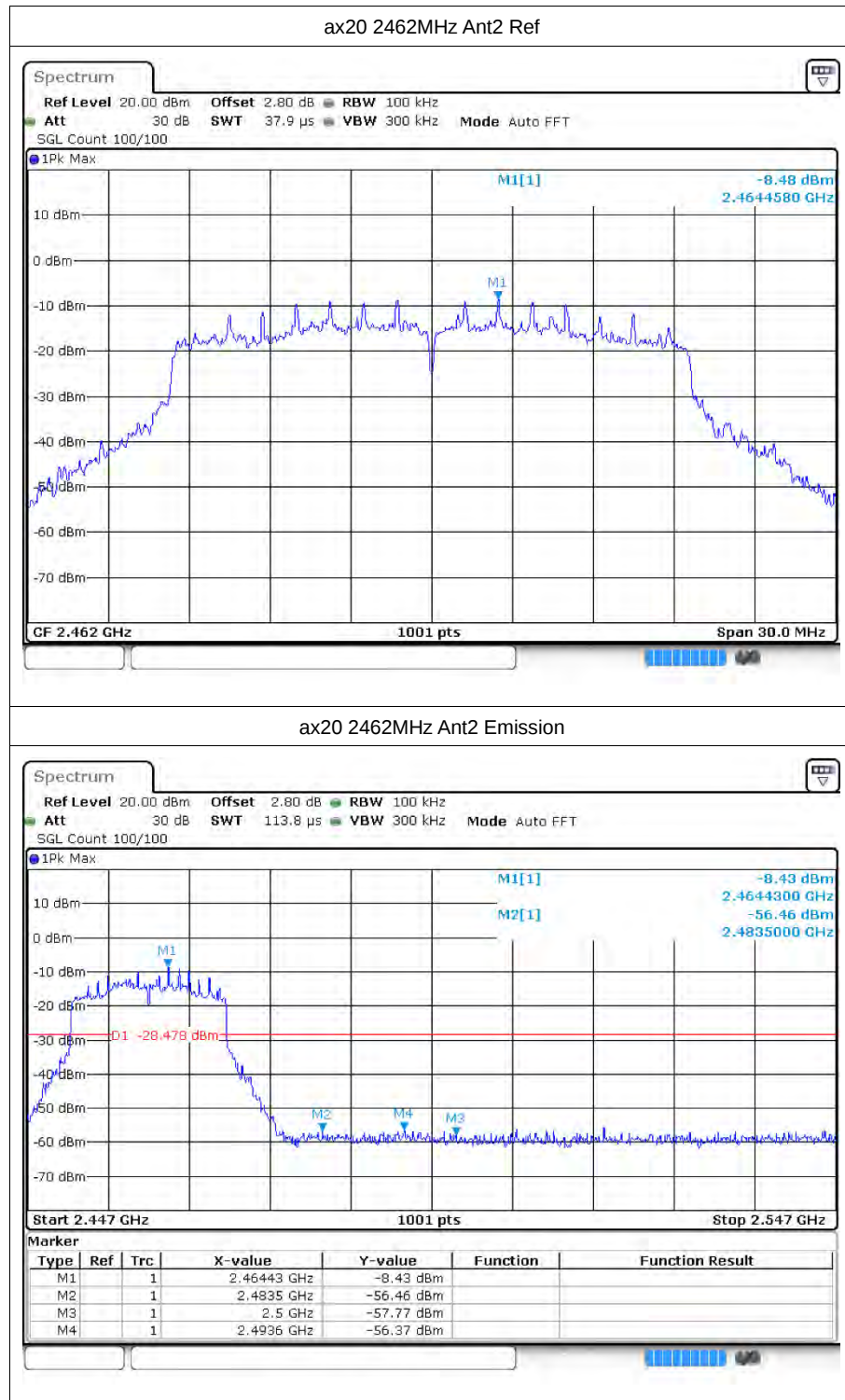


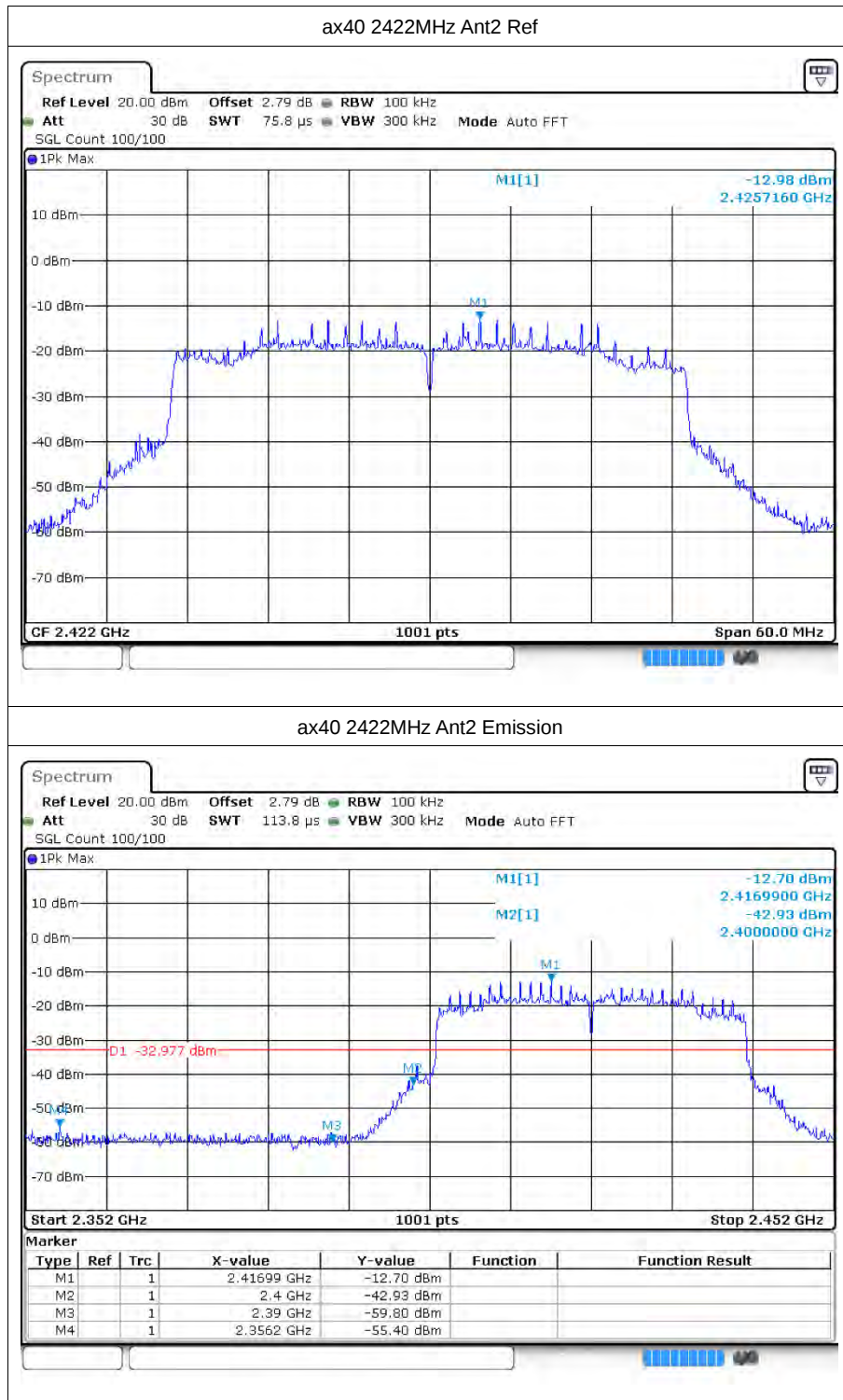
ax20 2412MHz Ant2 Ref

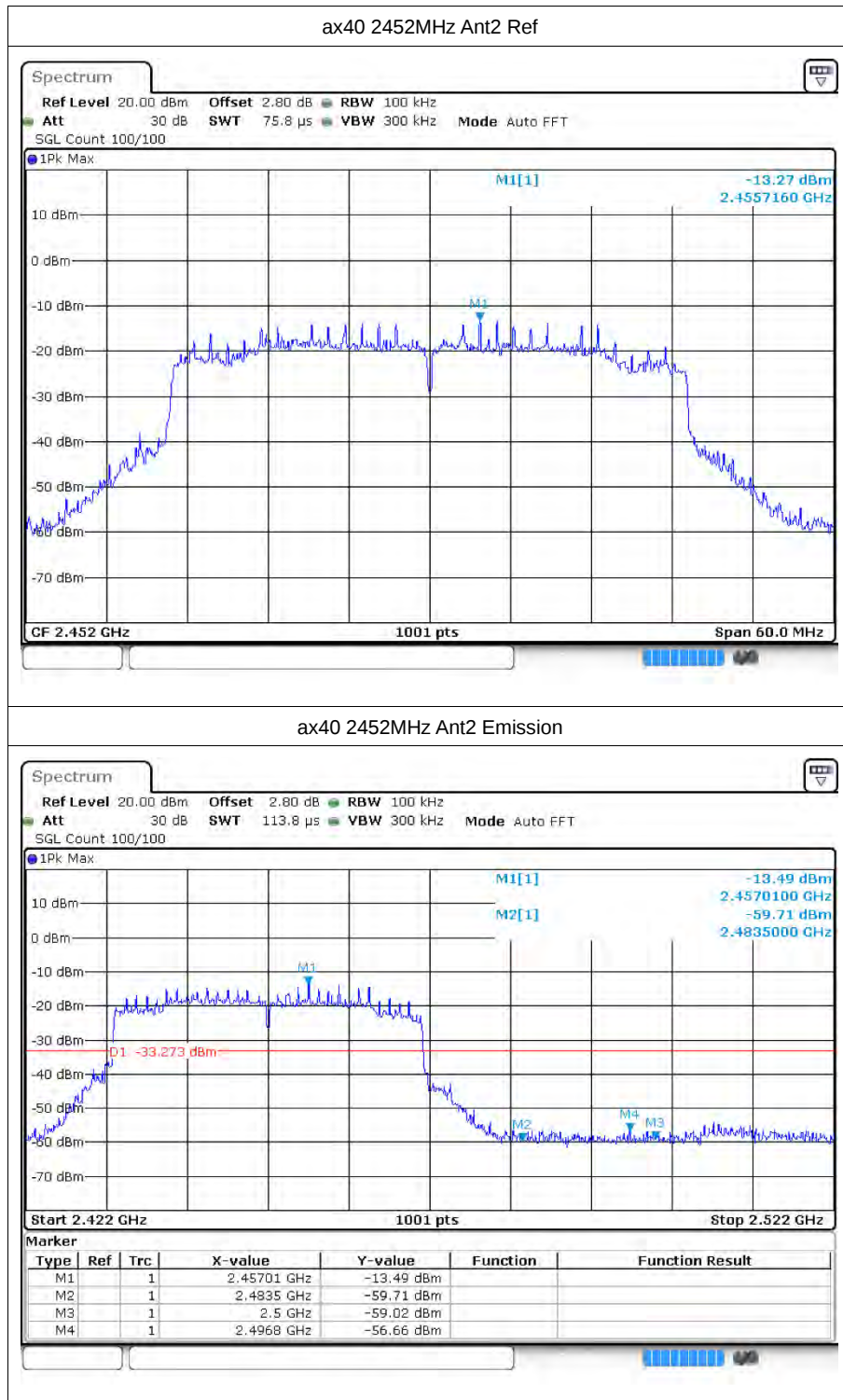


ax20 2412MHz Ant2 Emission











6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-42.34	-20	Pass
b	2437	Ant1	-41.73	-20	Pass
b	2462	Ant1	-41.91	-20	Pass
g	2412	Ant1	-39.9	-20	Pass
g	2437	Ant1	-38.93	-20	Pass
g	2462	Ant1	-39.68	-20	Pass
n20	2412	Ant1	-35.33	-20	Pass
n20	2437	Ant1	-35.75	-20	Pass
n20	2462	Ant1	-35.34	-20	Pass
n40	2422	Ant1	-31.82	-20	Pass
n40	2437	Ant1	-31.16	-20	Pass
n40	2452	Ant1	-29.32	-20	Pass
ax20	2412	Ant1	-34.46	-20	Pass
ax20	2437	Ant1	-35	-20	Pass
ax20	2462	Ant1	-34.9	-20	Pass
ax40	2422	Ant1	-30.69	-20	Pass
ax40	2437	Ant1	-29.92	-20	Pass
ax40	2452	Ant1	-30.77	-20	Pass
b	2412	Ant2	-39.74	-20	Pass
b	2437	Ant2	-40.73	-20	Pass
b	2462	Ant2	-42.01	-20	Pass
g	2412	Ant2	-39.28	-20	Pass
g	2437	Ant2	-38.78	-20	Pass
g	2462	Ant2	-39.16	-20	Pass
n20	2412	Ant2	-35.33	-20	Pass
n20	2437	Ant2	-33.65	-20	Pass
n20	2462	Ant2	-33.45	-20	Pass
n40	2422	Ant2	-30.03	-20	Pass
n40	2437	Ant2	-30.31	-20	Pass
n40	2452	Ant2	-28.77	-20	Pass
ax20	2412	Ant2	-34.48	-20	Pass
ax20	2437	Ant2	-35.39	-20	Pass
ax20	2462	Ant2	-33.84	-20	Pass
ax40	2422	Ant2	-30.02	-20	Pass



ax40	2437	Ant2	-29.8	-20	Pass
ax40	2452	Ant2	-30.56	-20	Pass

6.2 Test Graphs

