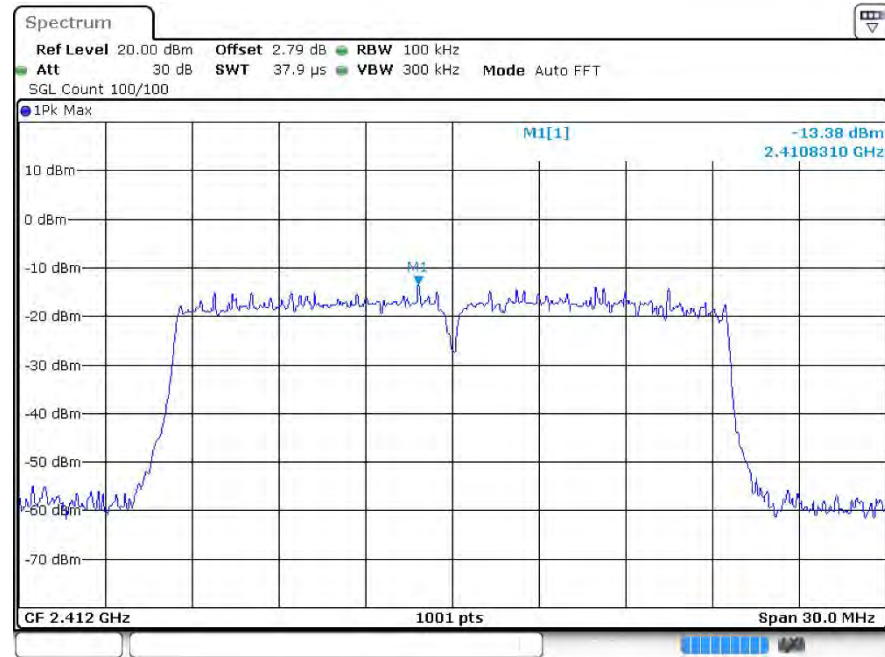
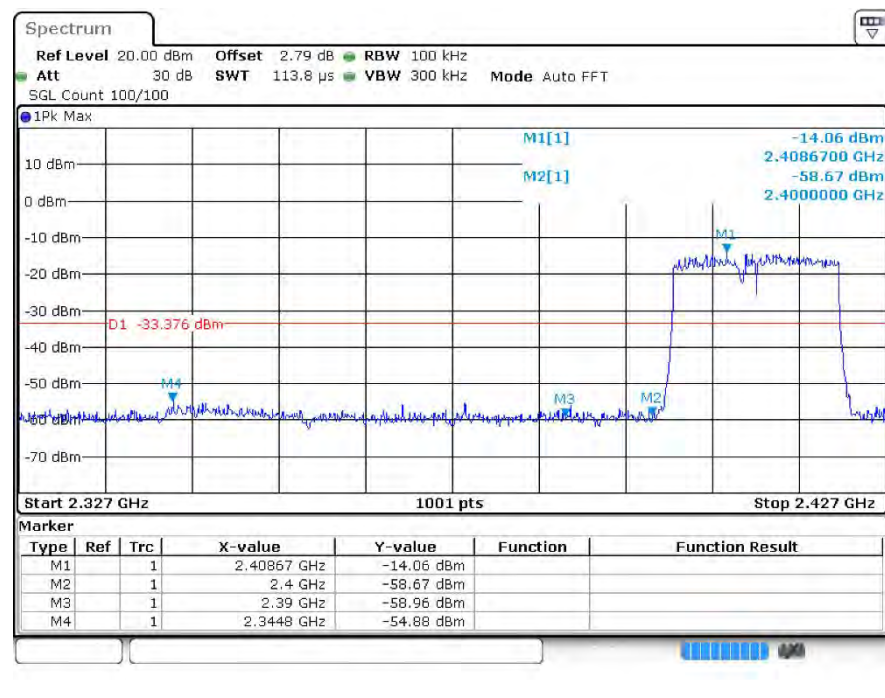
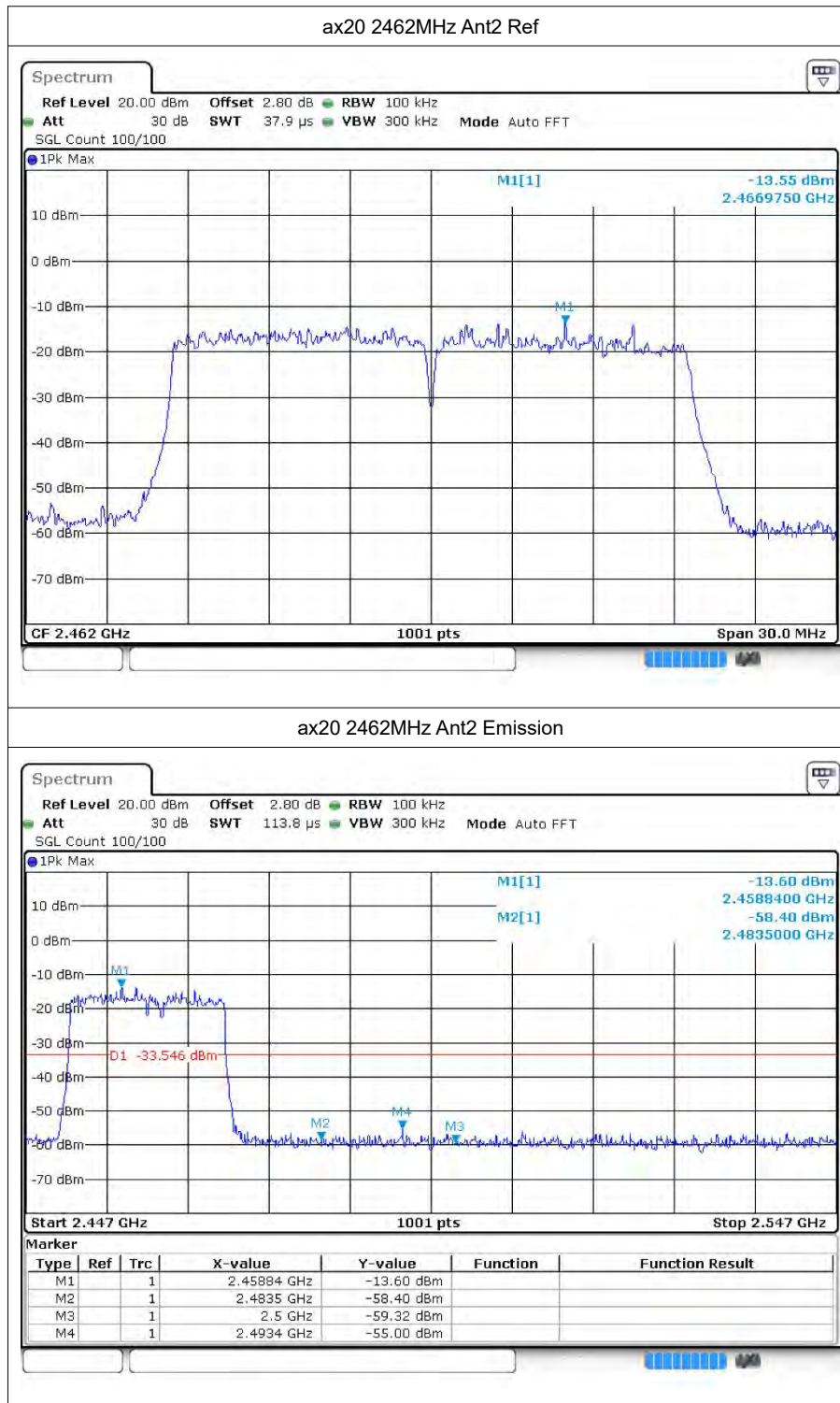


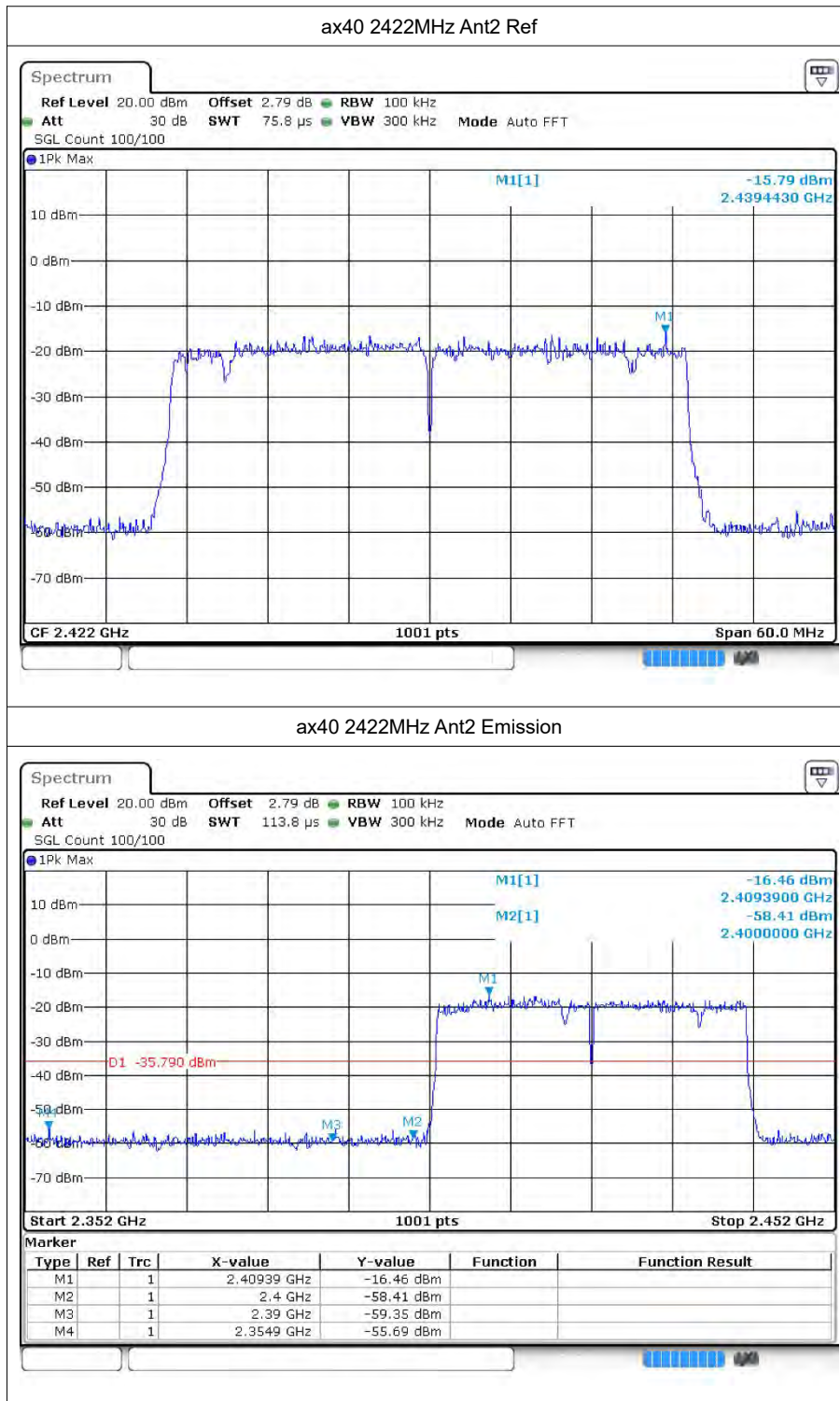
ax20 2412MHz Ant2 Ref

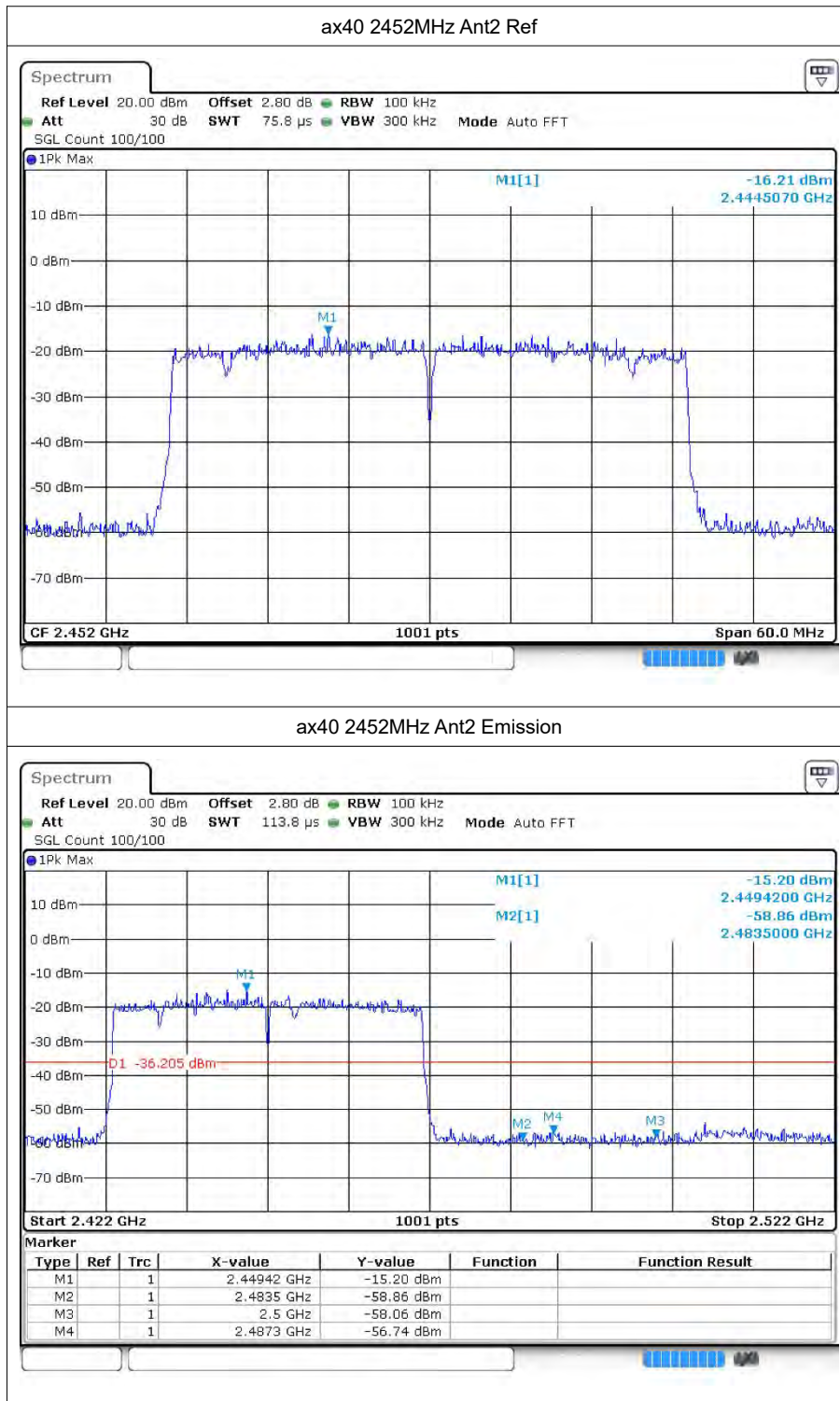


ax20 2412MHz Ant2 Emission











6 Conducted RF Spurious Emission

6.1 Test Result

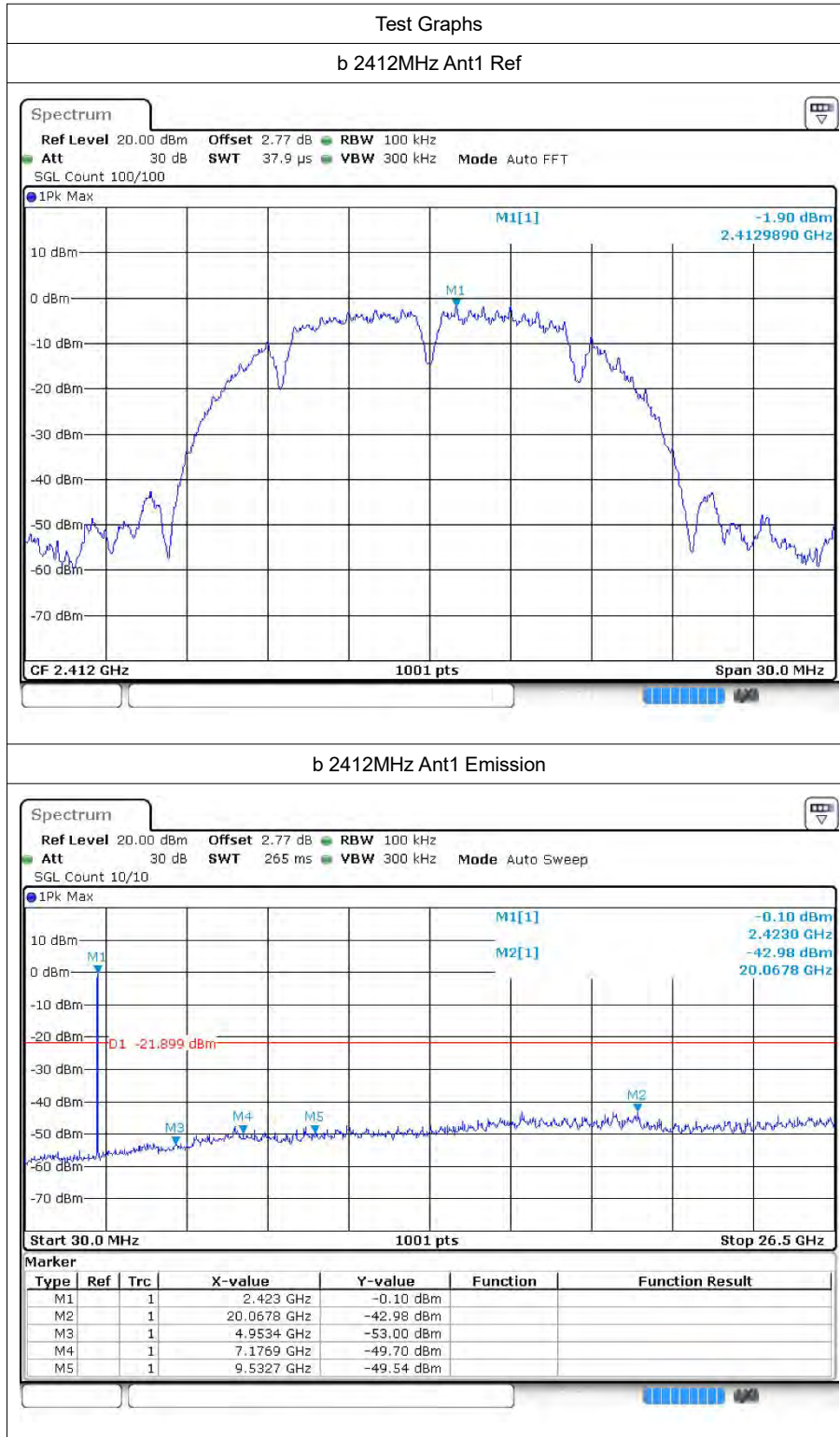
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-41.07	-20	Pass
b	2437	Ant1	-43.05	-20	Pass
b	2462	Ant1	-41.47	-20	Pass
g	2412	Ant1	-36.14	-20	Pass
g	2437	Ant1	-40.07	-20	Pass
g	2462	Ant1	-36.14	-20	Pass
n20	2412	Ant1	-29.05	-20	Pass
n20	2437	Ant1	-32.53	-20	Pass
n20	2462	Ant1	-33.17	-20	Pass
n40	2422	Ant1	-32.07	-20	Pass
n40	2437	Ant1	-27.39	-20	Pass
n40	2452	Ant1	-31.91	-20	Pass
ax20	2412	Ant1	-30.07	-20	Pass
ax20	2437	Ant1	-30.21	-20	Pass
ax20	2462	Ant1	-28.97	-20	Pass
ax40	2422	Ant1	-29.39	-20	Pass
ax40	2437	Ant1	-30.41	-20	Pass
ax40	2452	Ant1	-29.62	-20	Pass
b	2412	Ant2	-41.83	-20	Pass
b	2437	Ant2	-41.19	-20	Pass
b	2462	Ant2	-40.29	-20	Pass
g	2412	Ant2	-36.69	-20	Pass
g	2437	Ant2	-36.24	-20	Pass
g	2462	Ant2	-38.98	-20	Pass
n20	2412	Ant2	-31.67	-20	Pass
n20	2437	Ant2	-29.3	-20	Pass
n20	2462	Ant2	-28.79	-20	Pass
n40	2422	Ant2	-29.07	-20	Pass
n40	2437	Ant2	-29.81	-20	Pass
n40	2452	Ant2	-29.43	-20	Pass
ax20	2412	Ant2	-32.45	-20	Pass
ax20	2437	Ant2	-31.31	-20	Pass
ax20	2462	Ant2	-31.17	-20	Pass
ax40	2422	Ant2	-26.95	-20	Pass

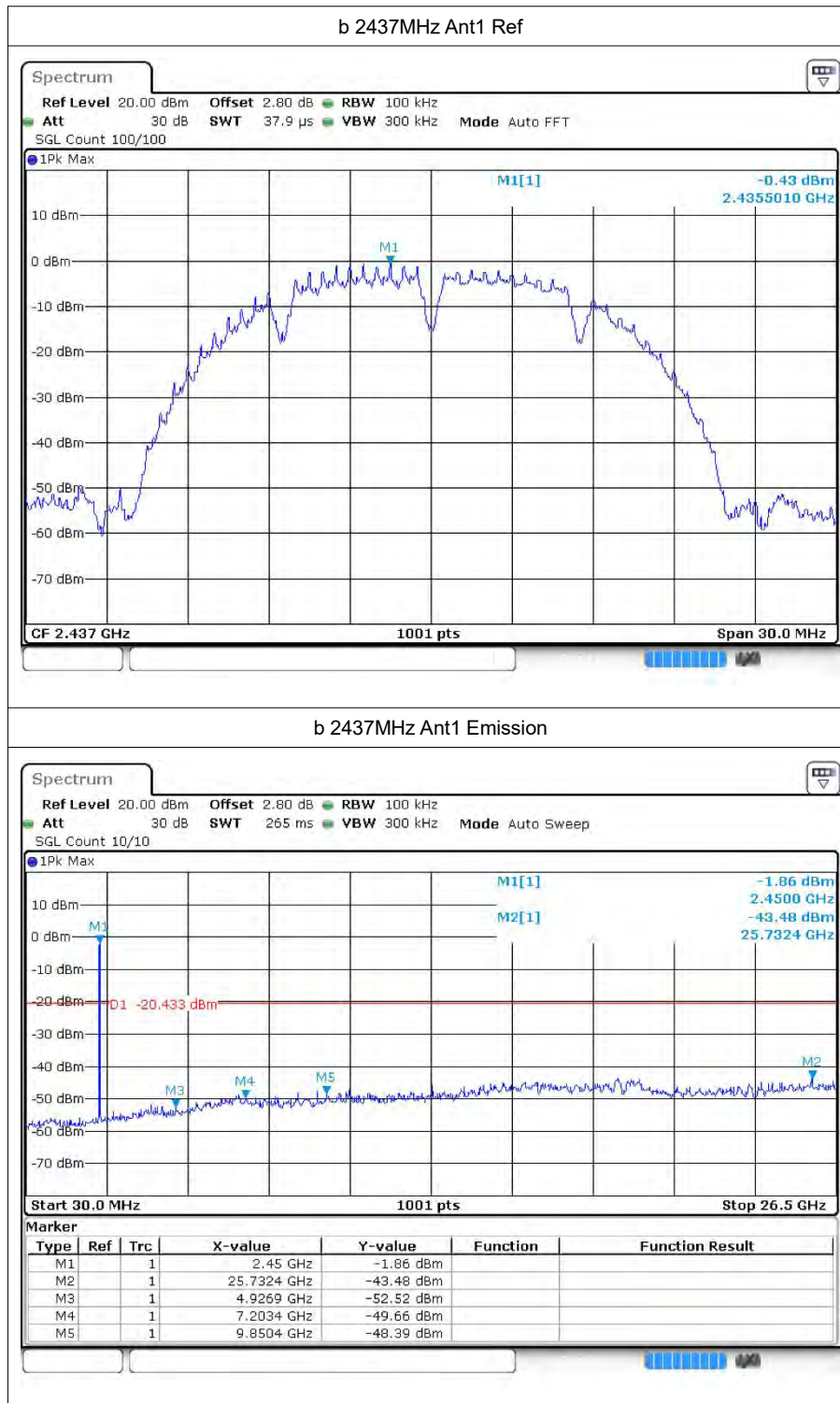


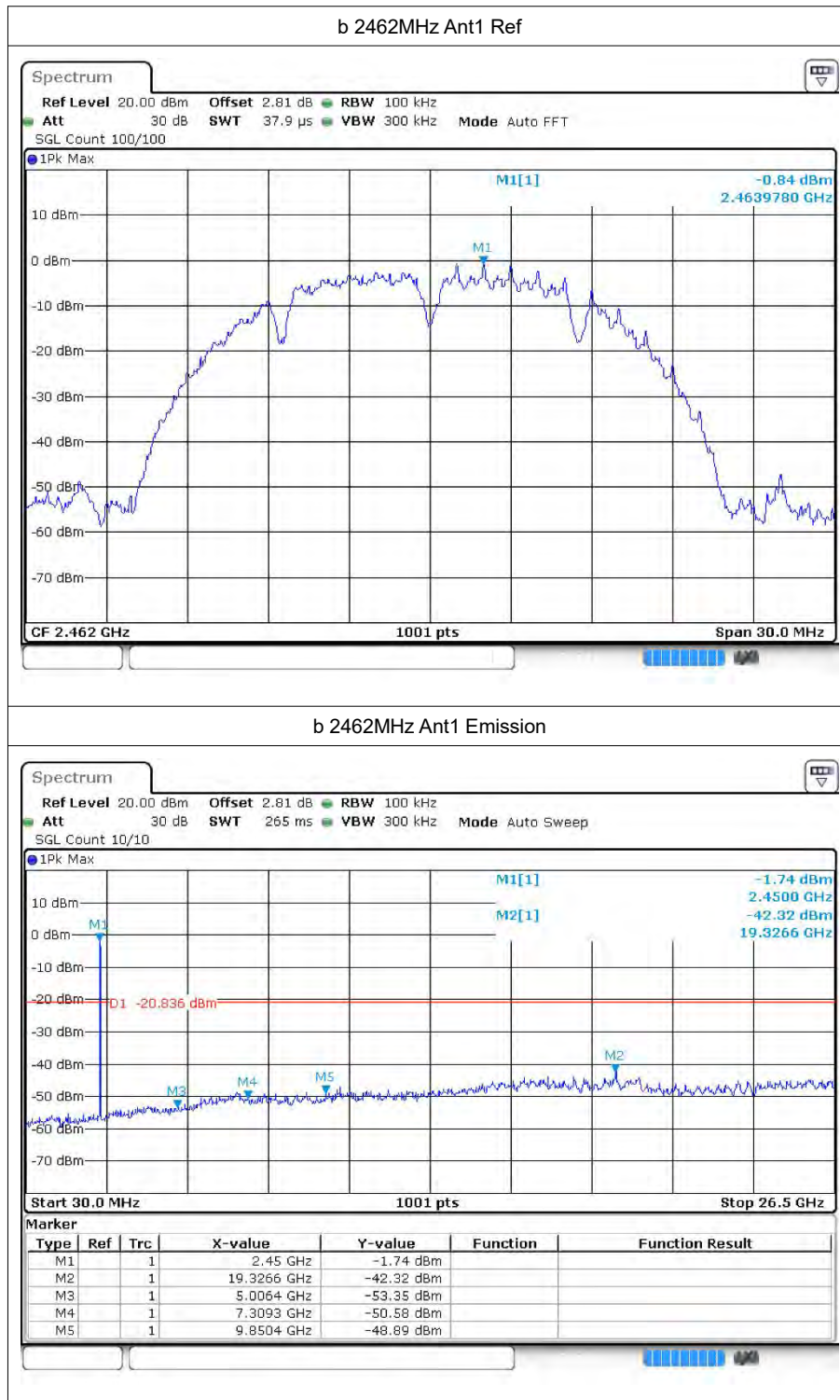
ax40	2437	Ant2	-26.1	-20	Pass
ax40	2452	Ant2	-27.22	-20	Pass

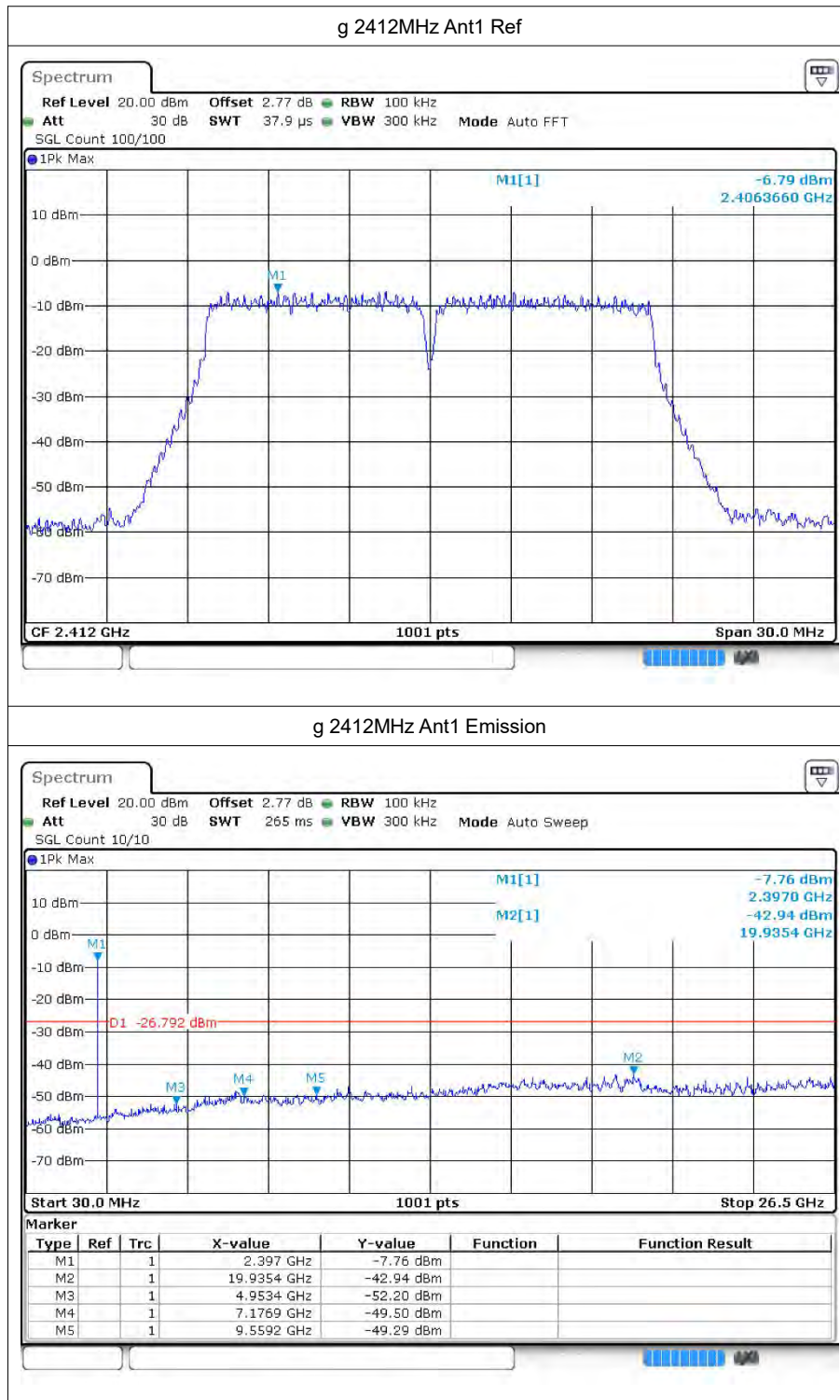


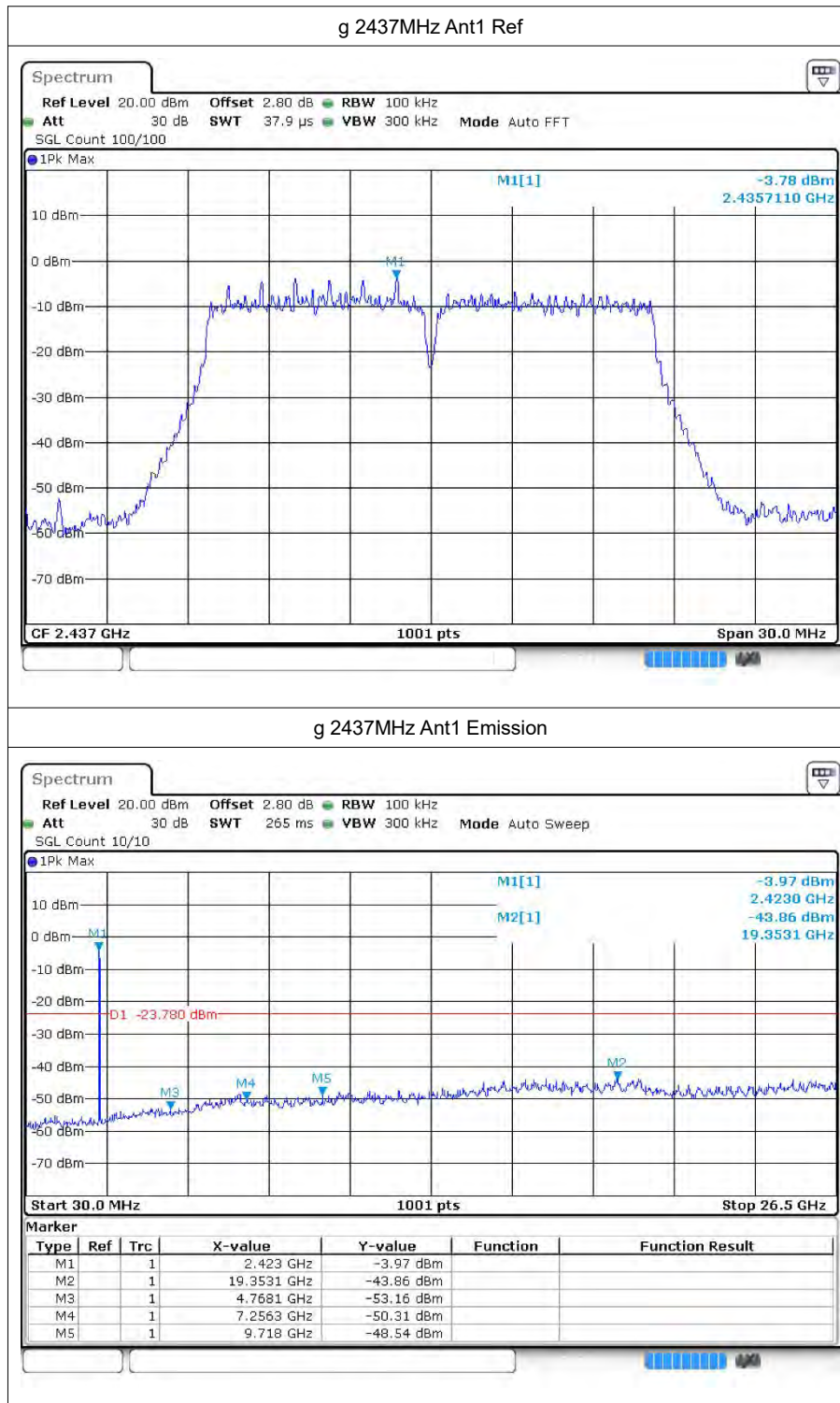
6.2 Test Graphs

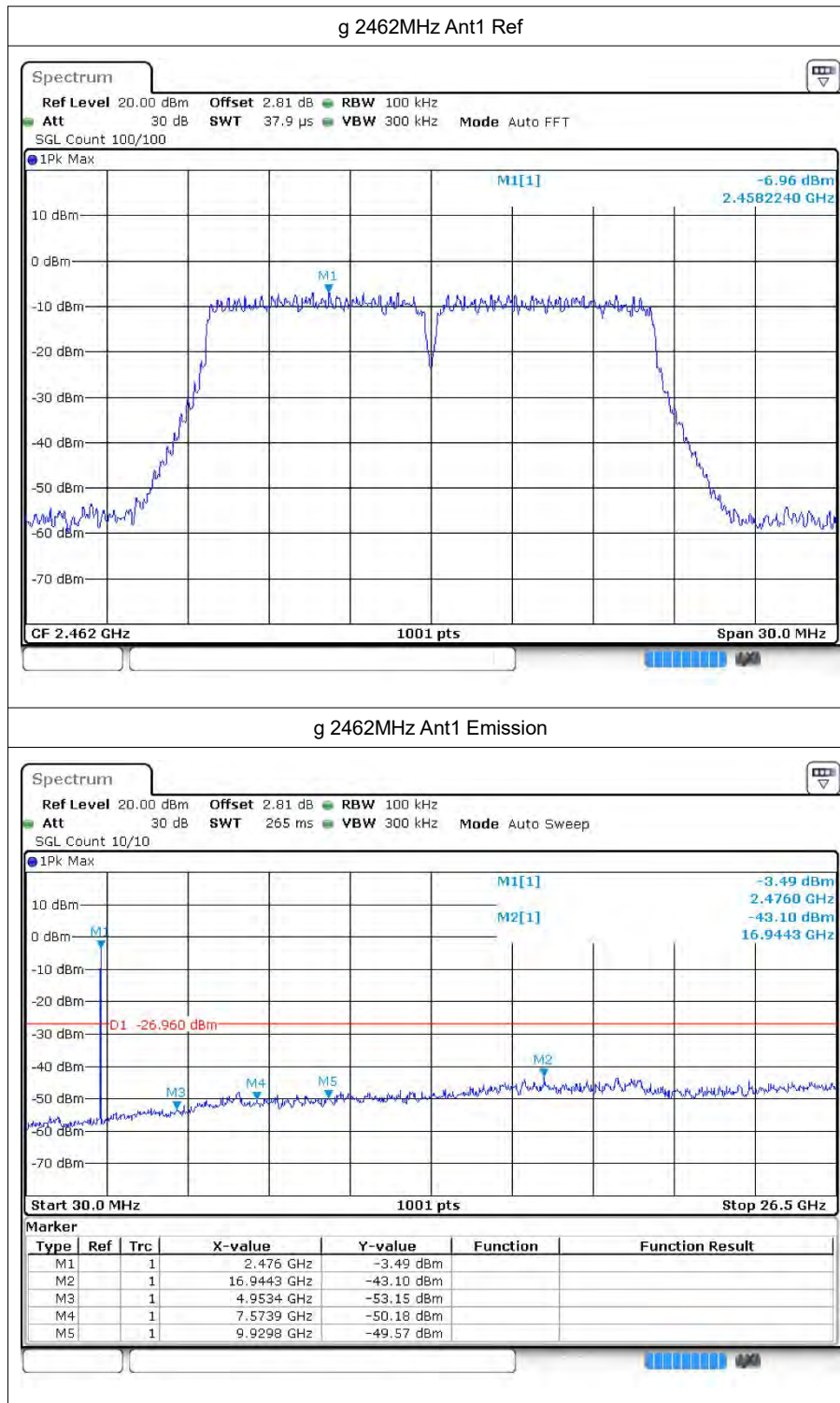


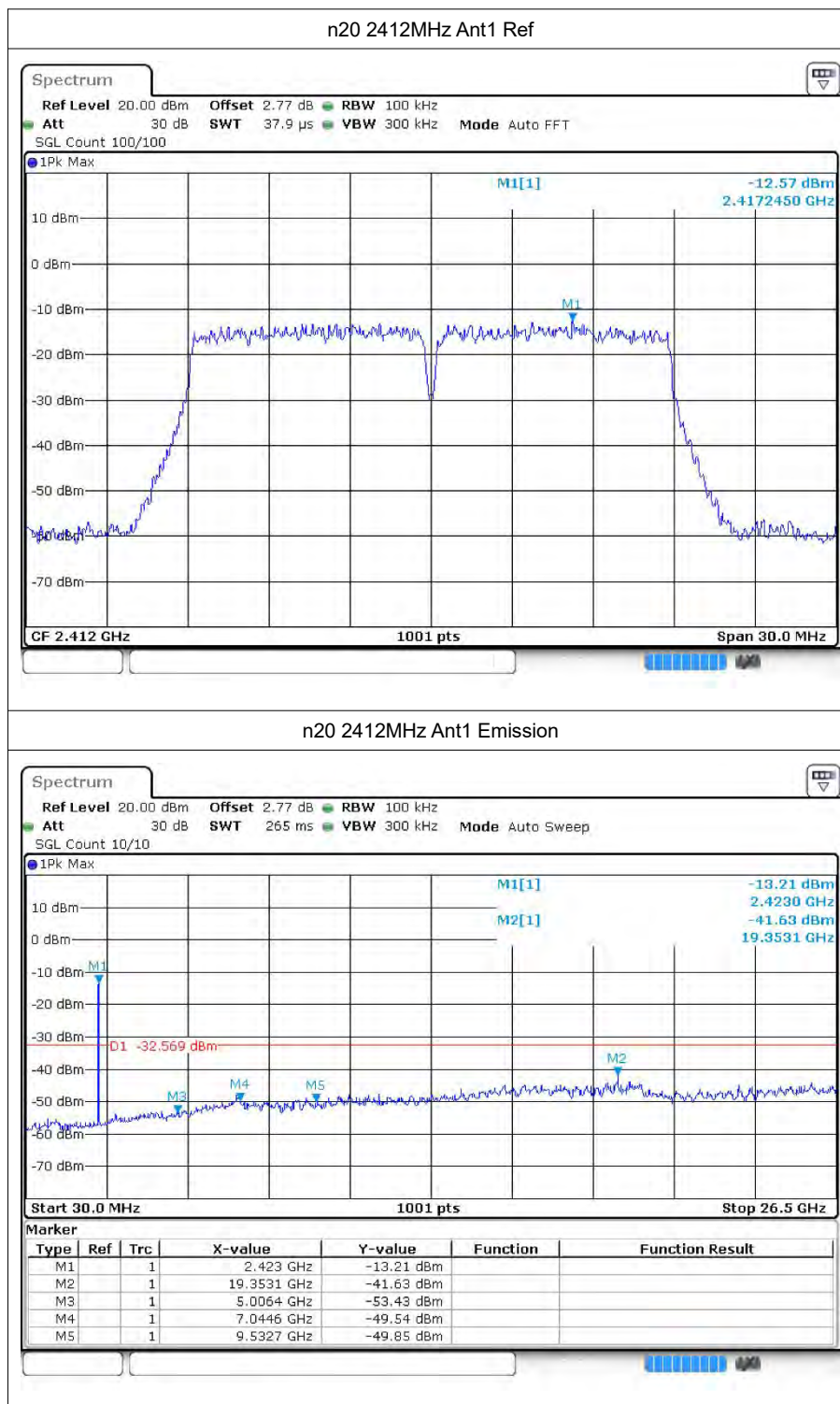


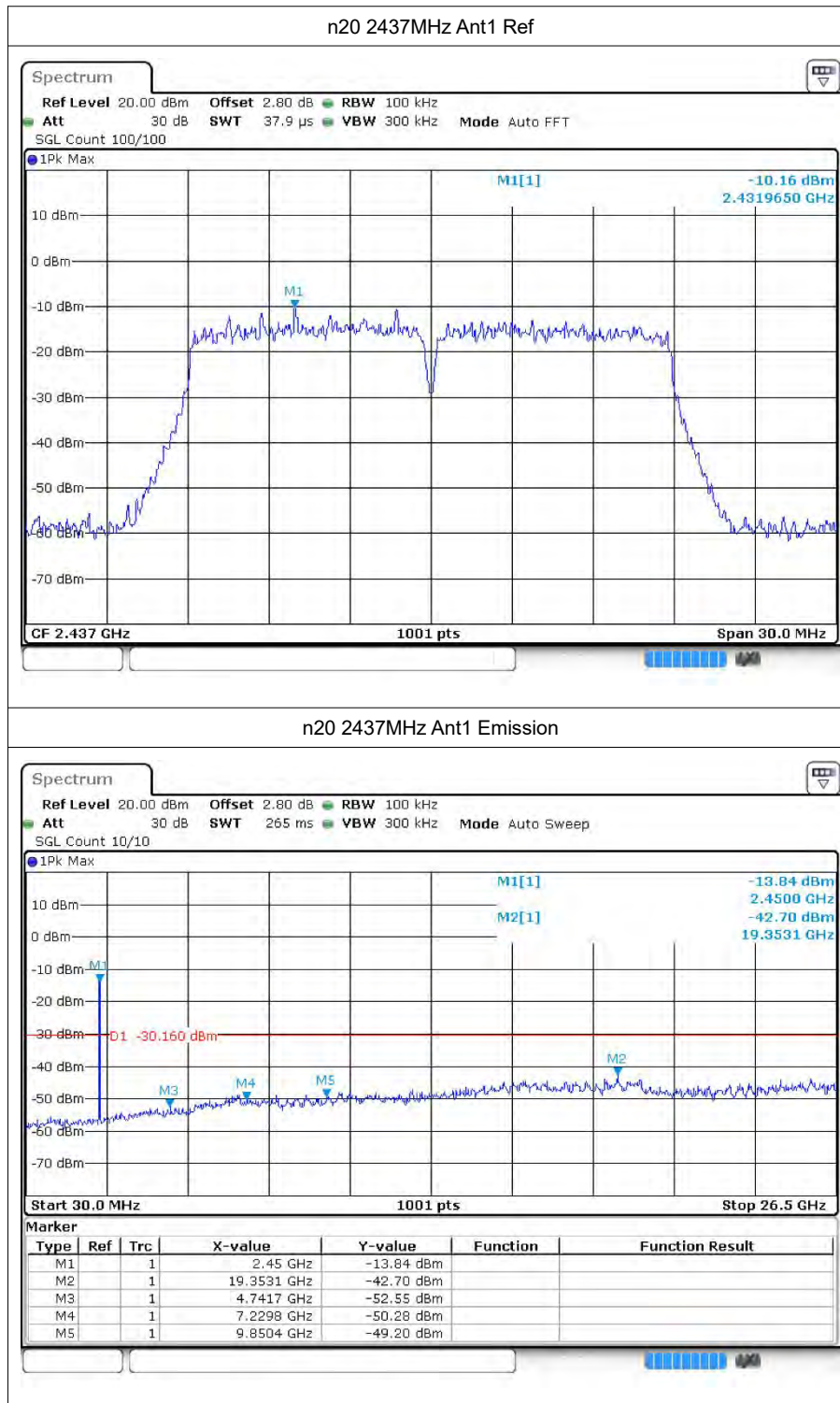


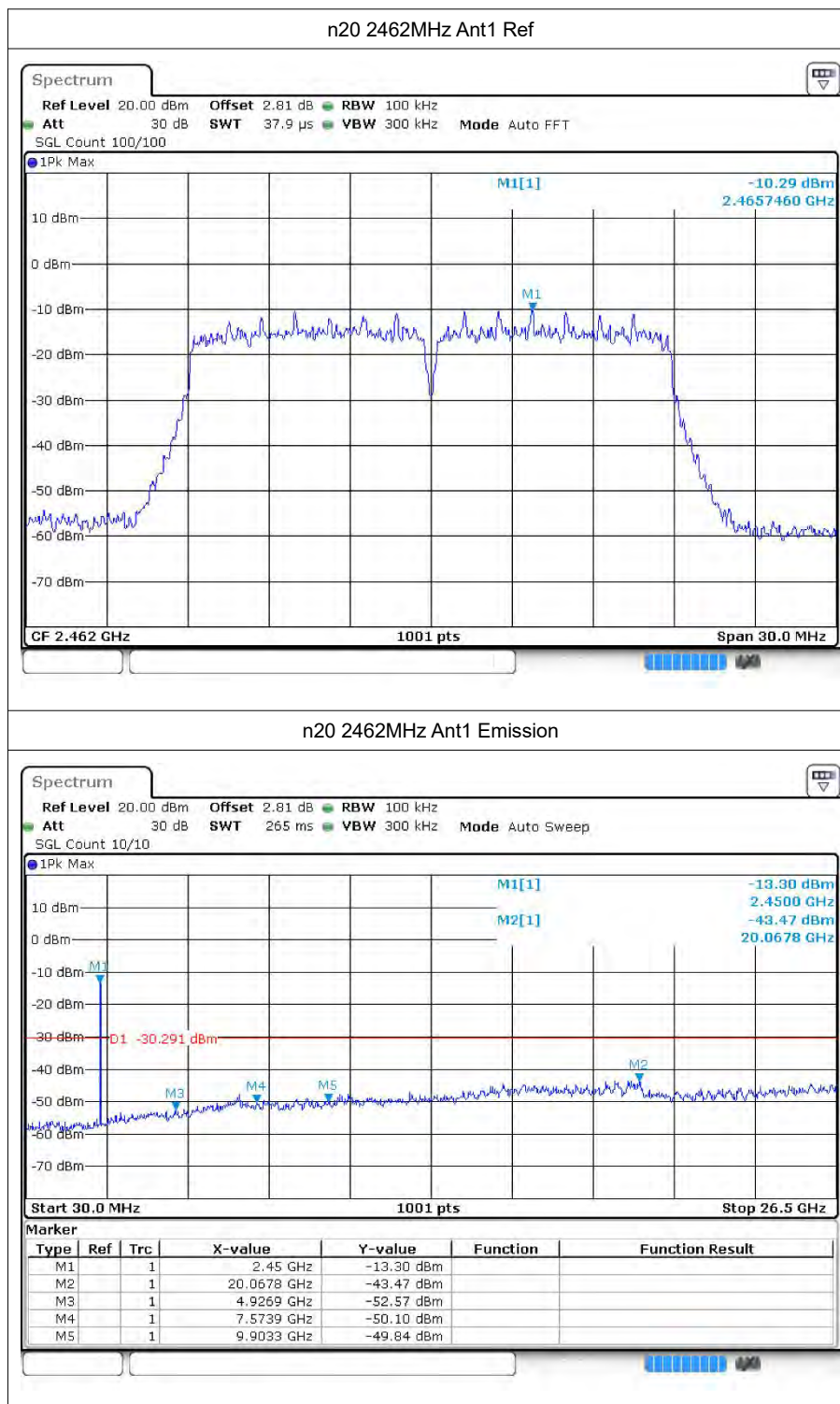


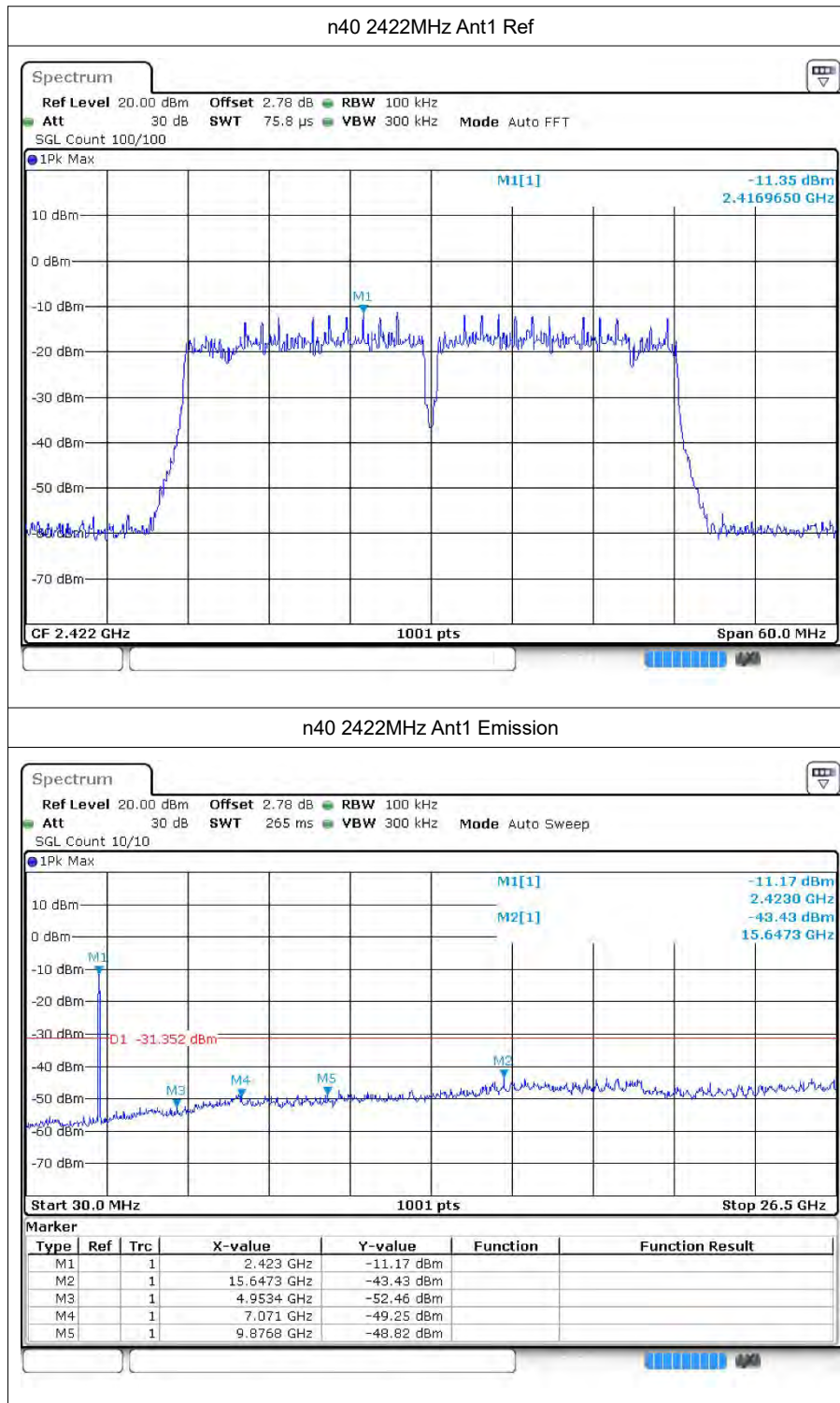


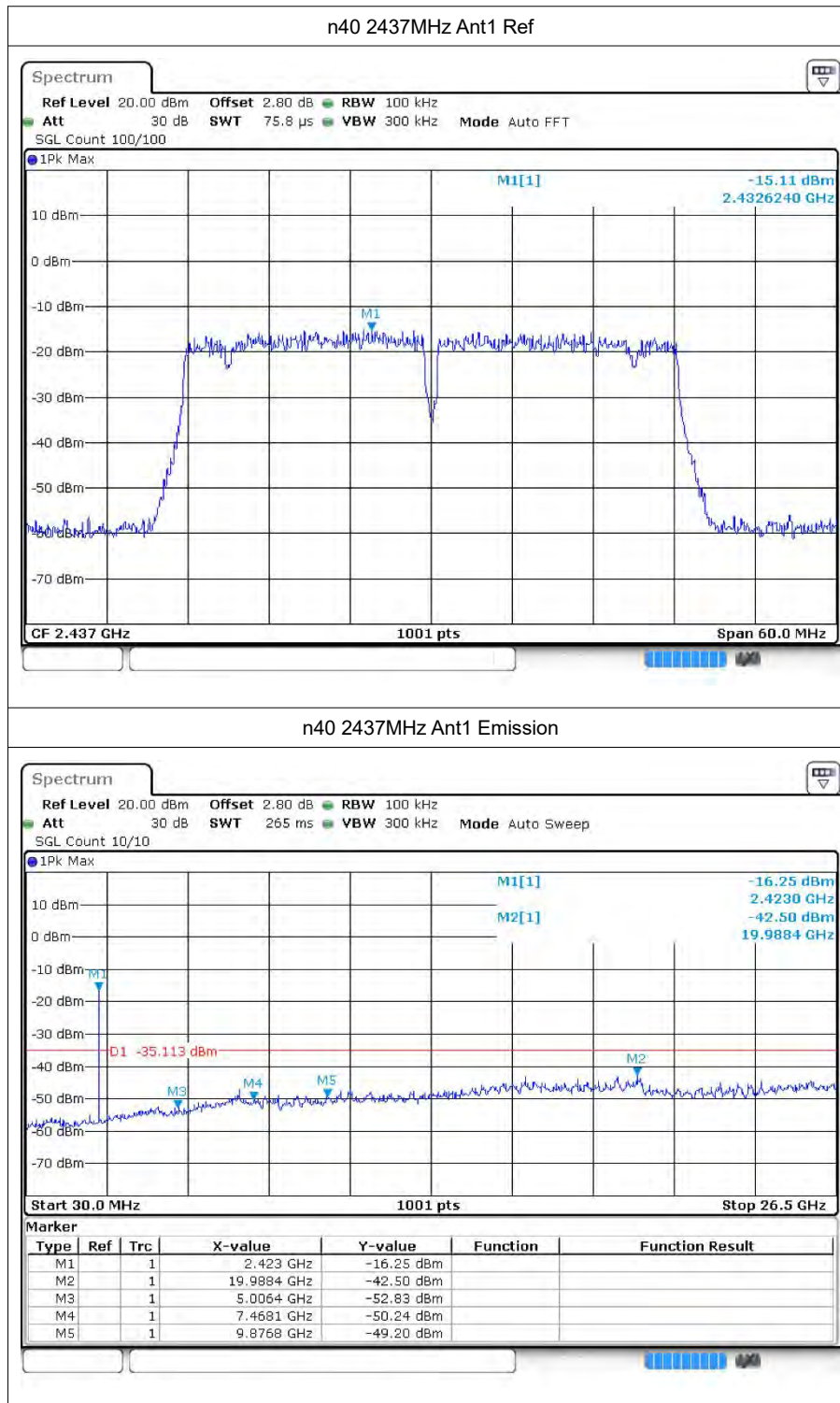


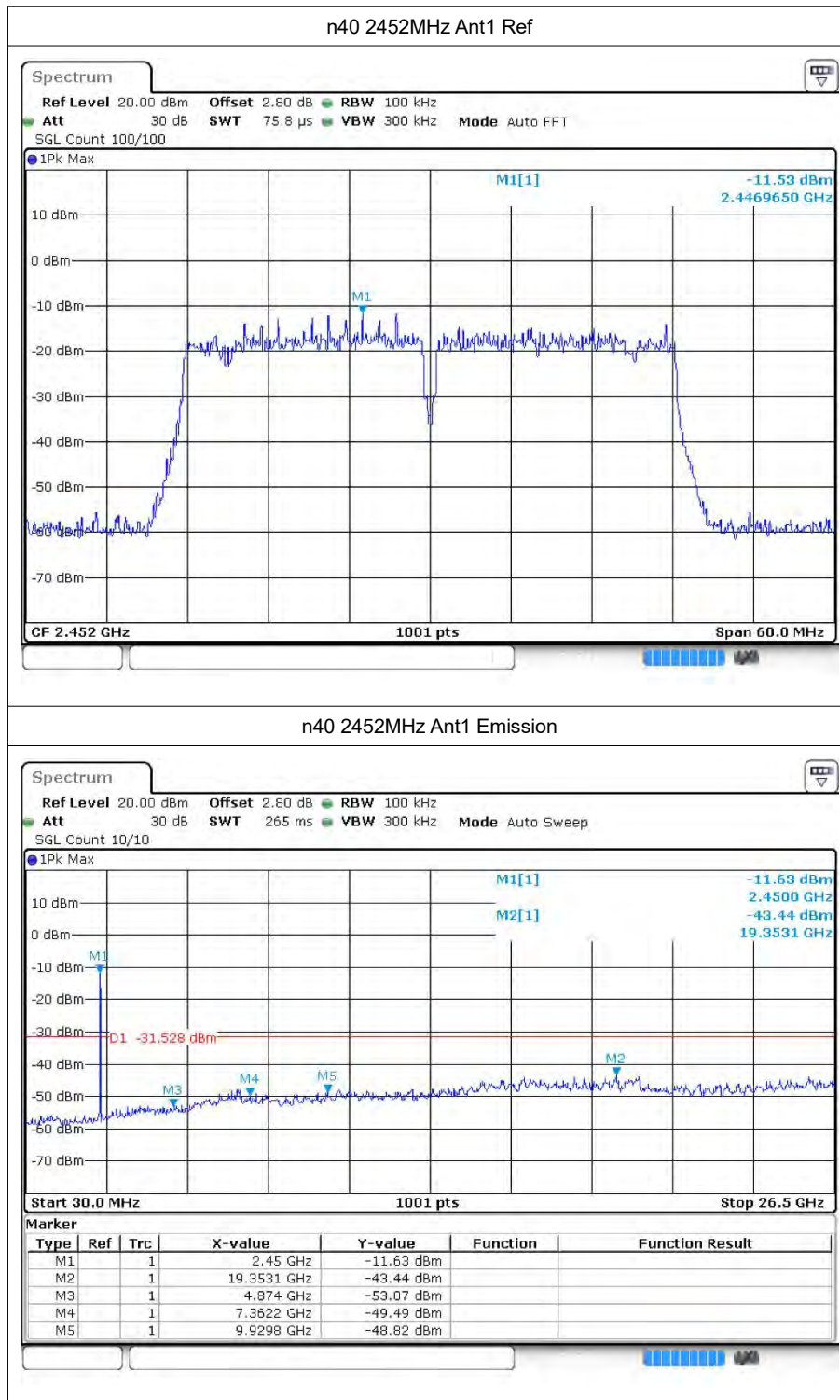


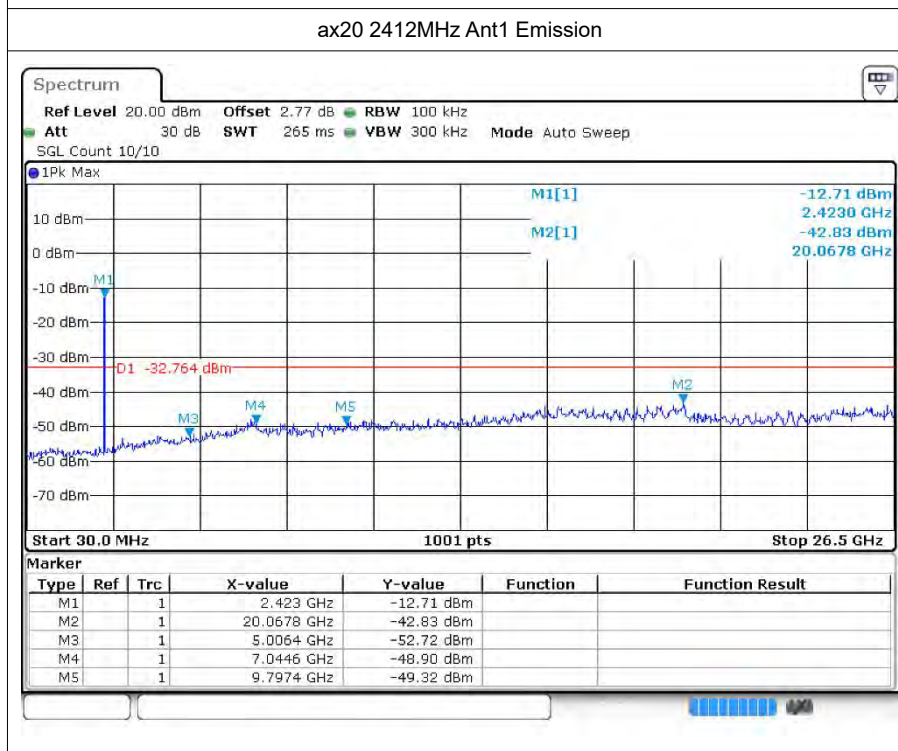
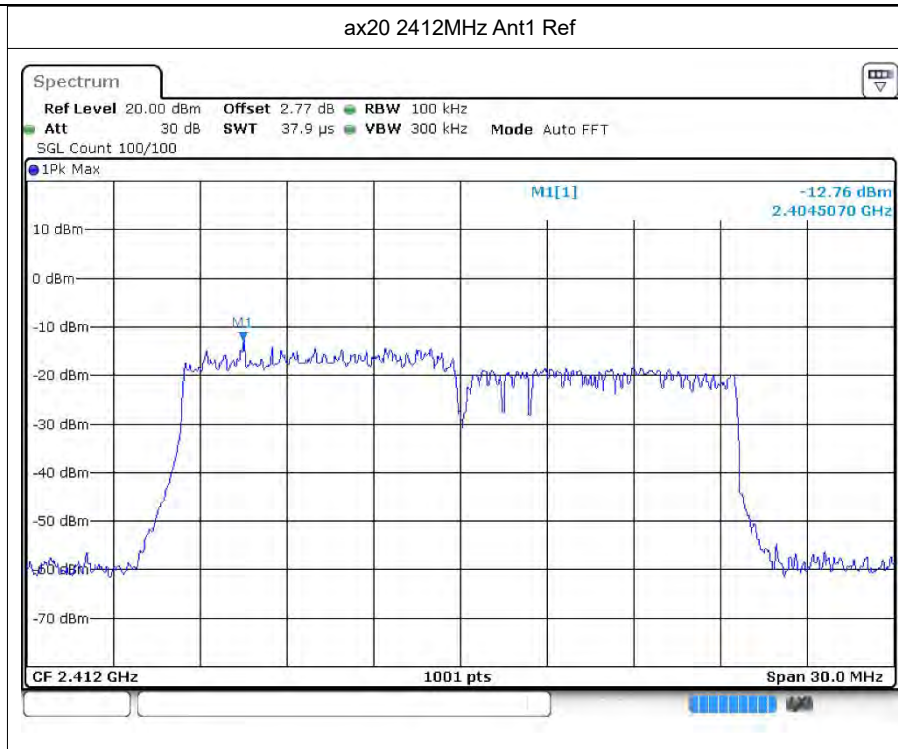


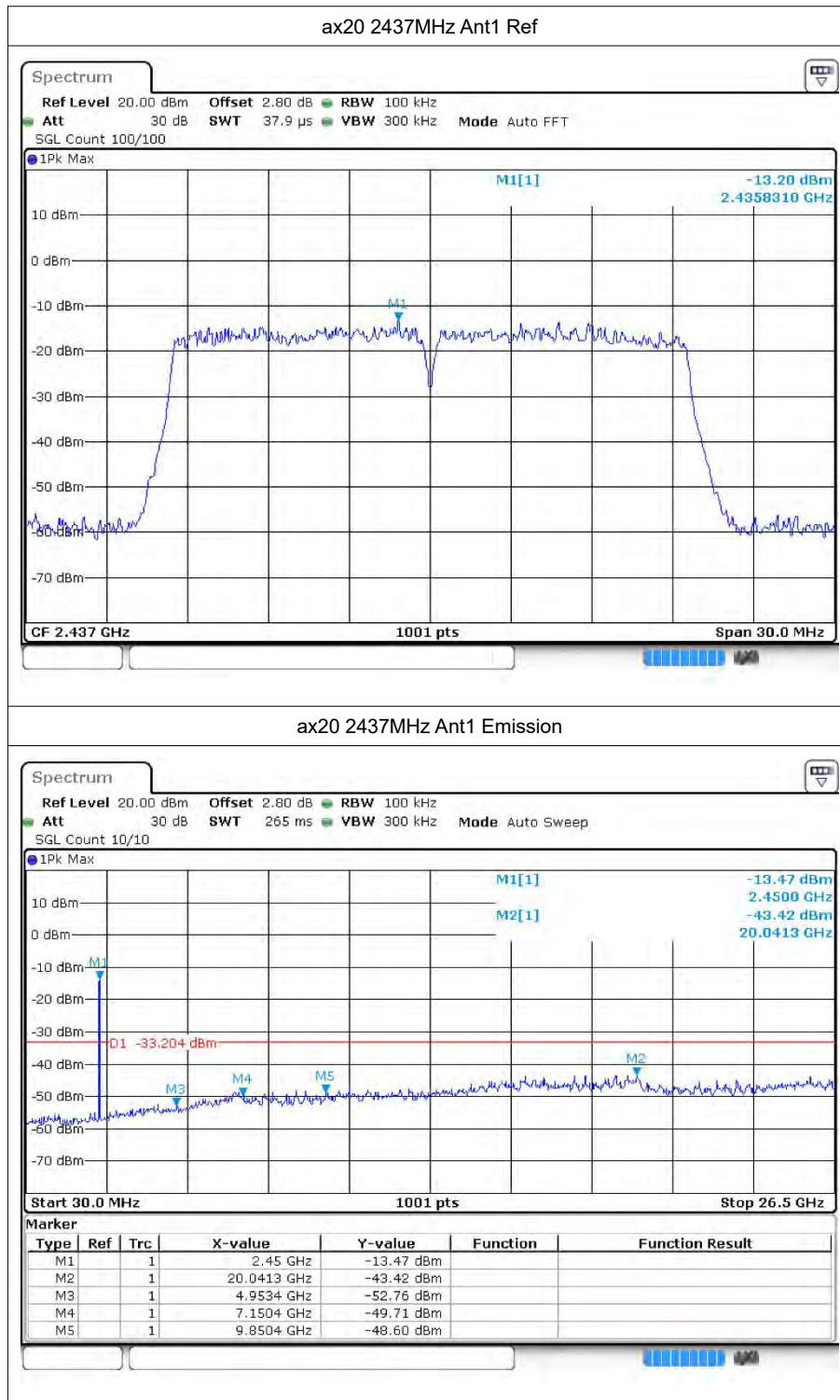


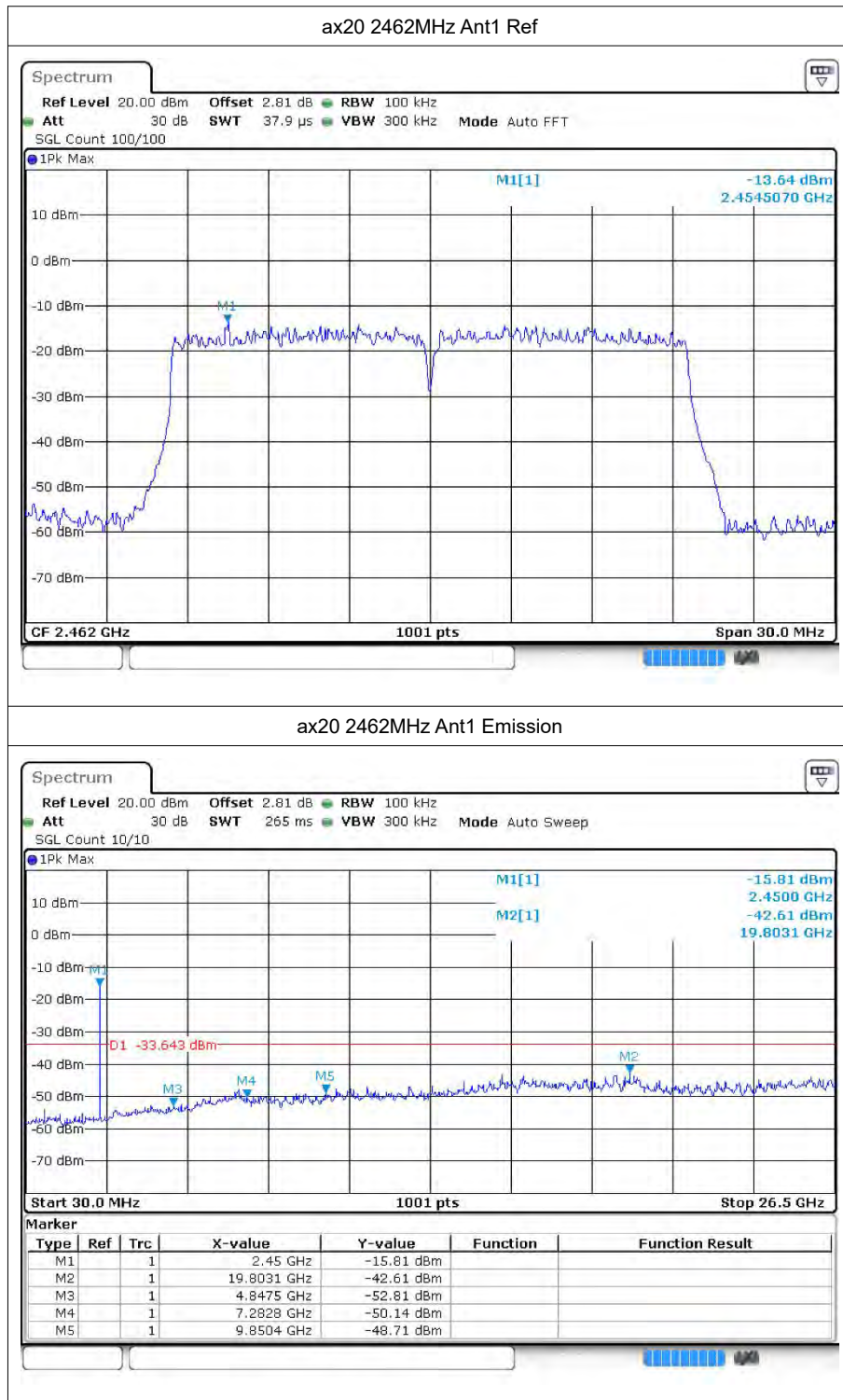


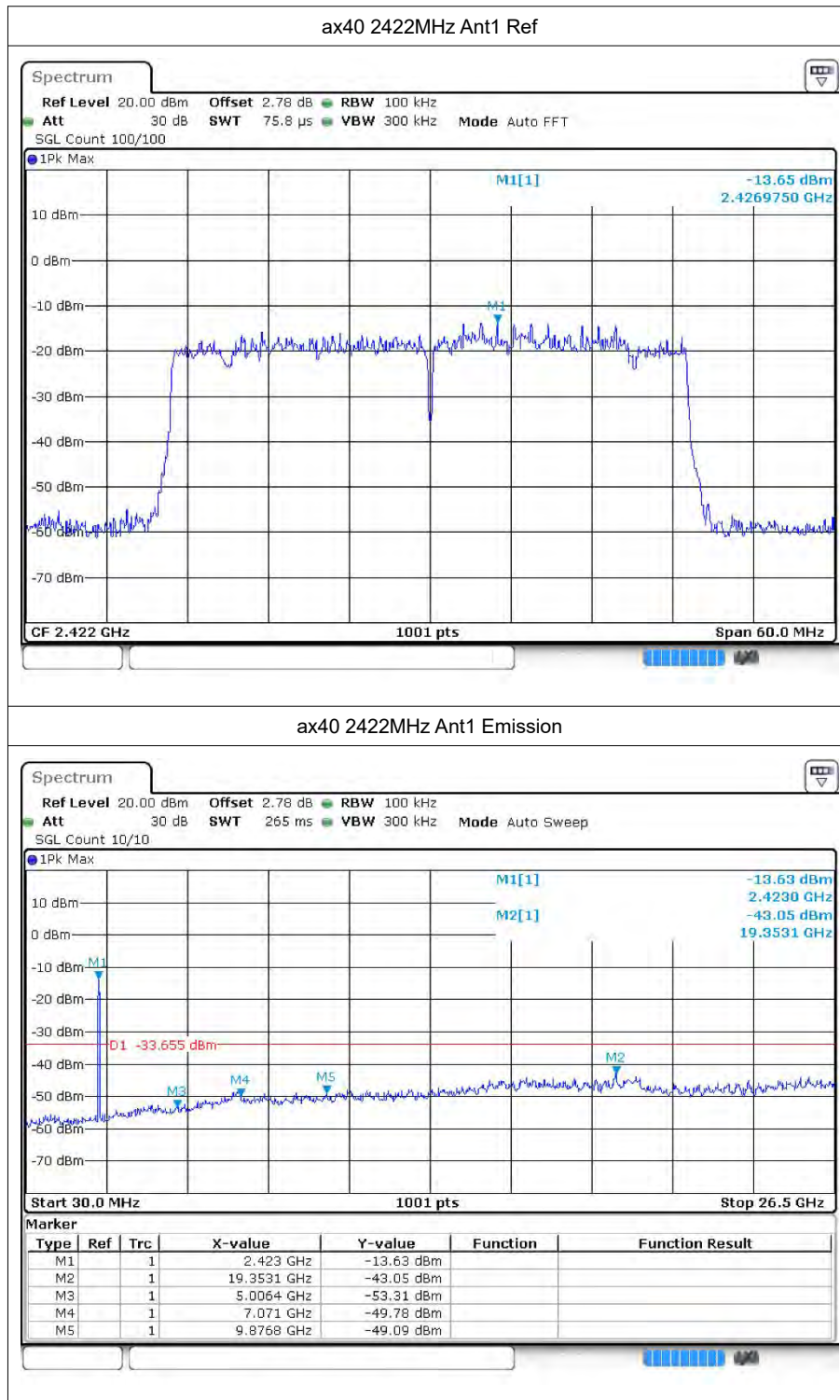


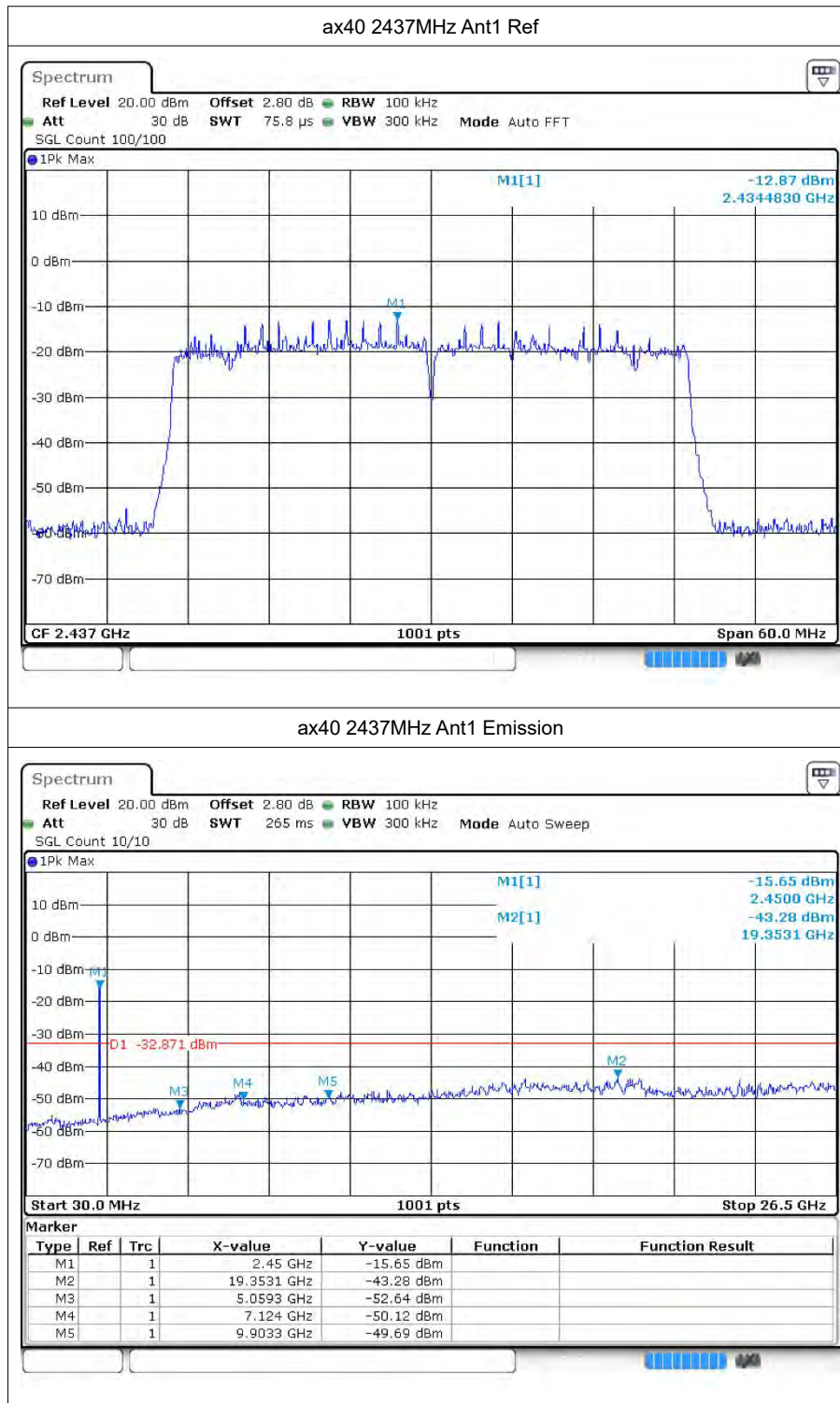


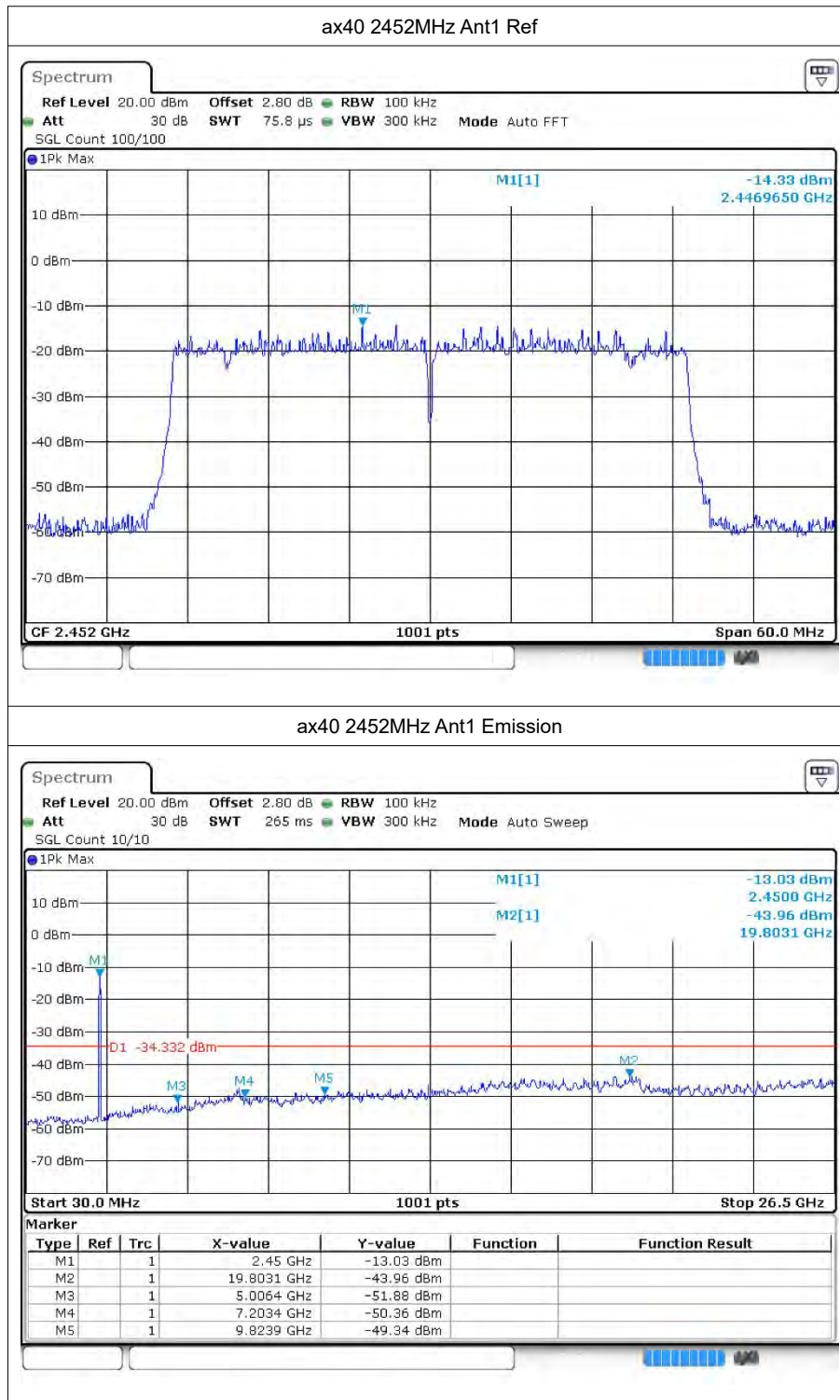




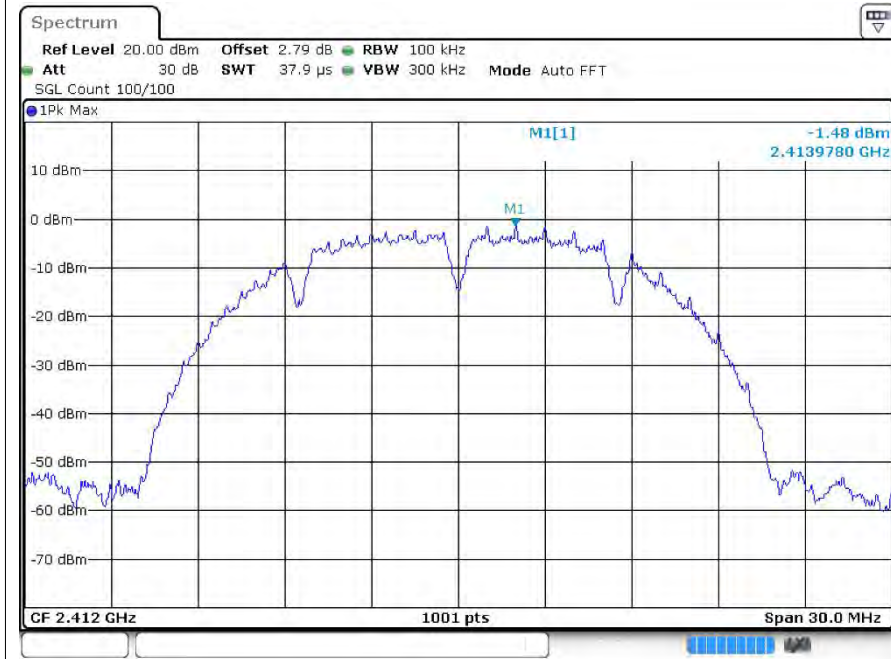




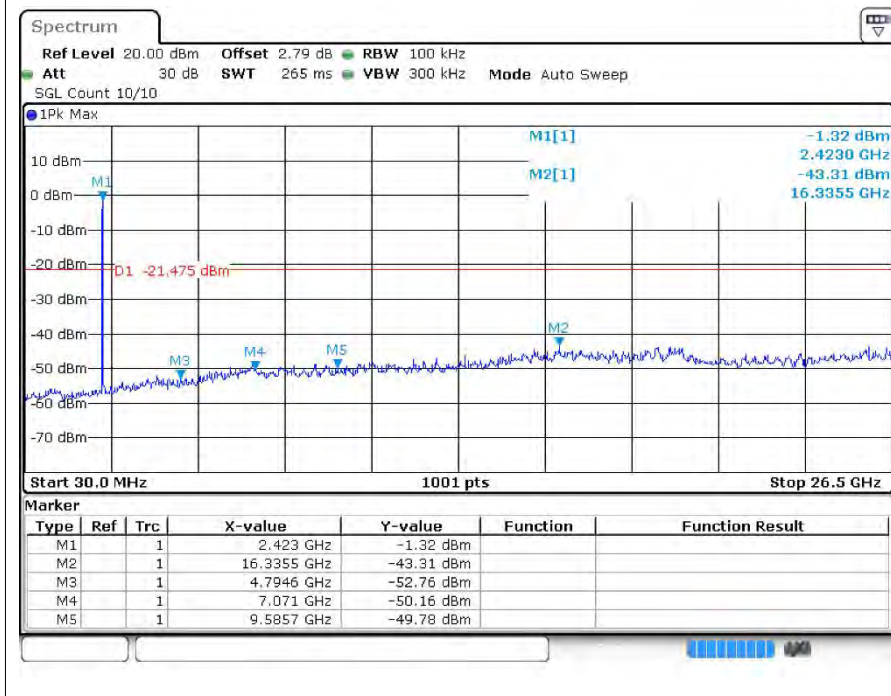


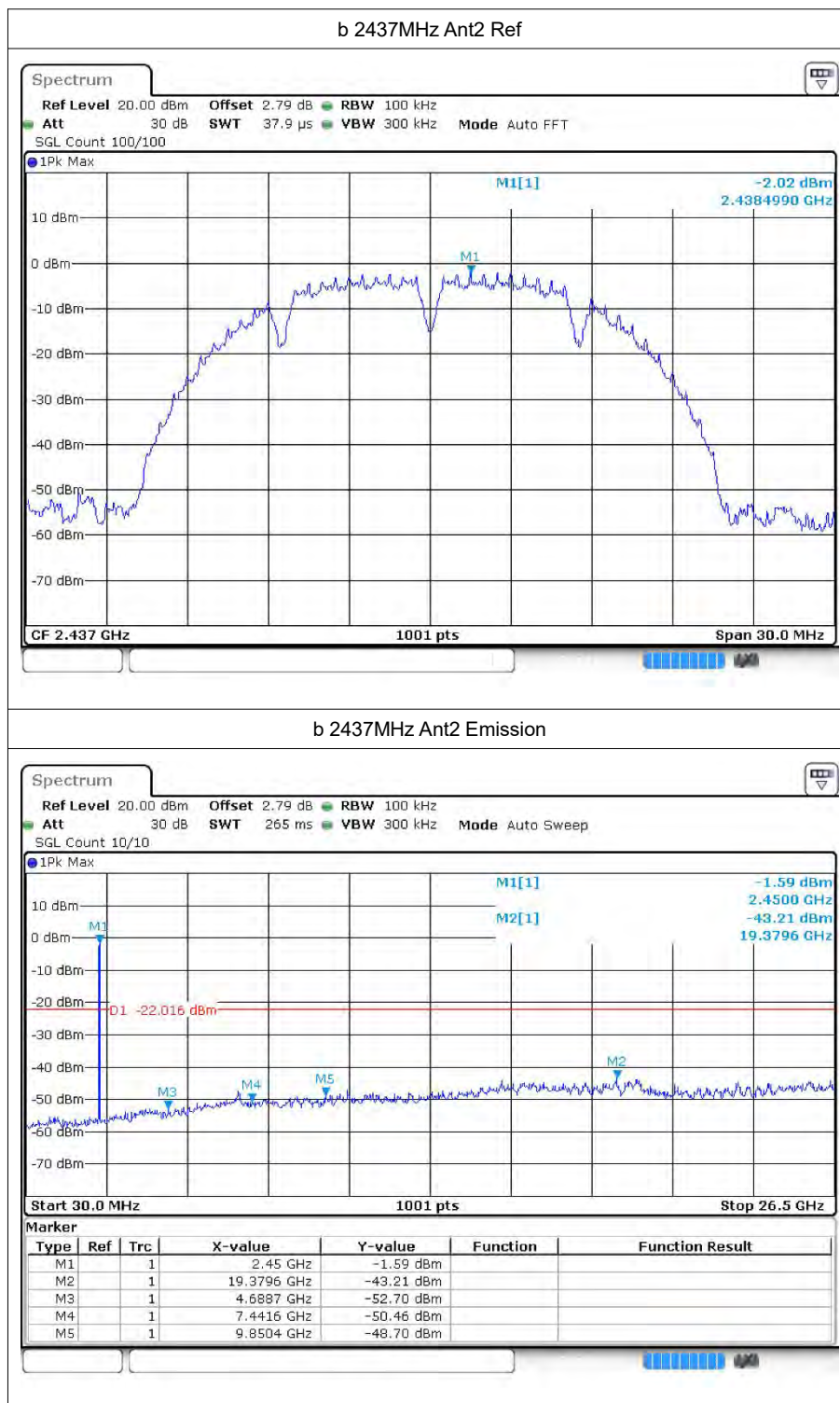


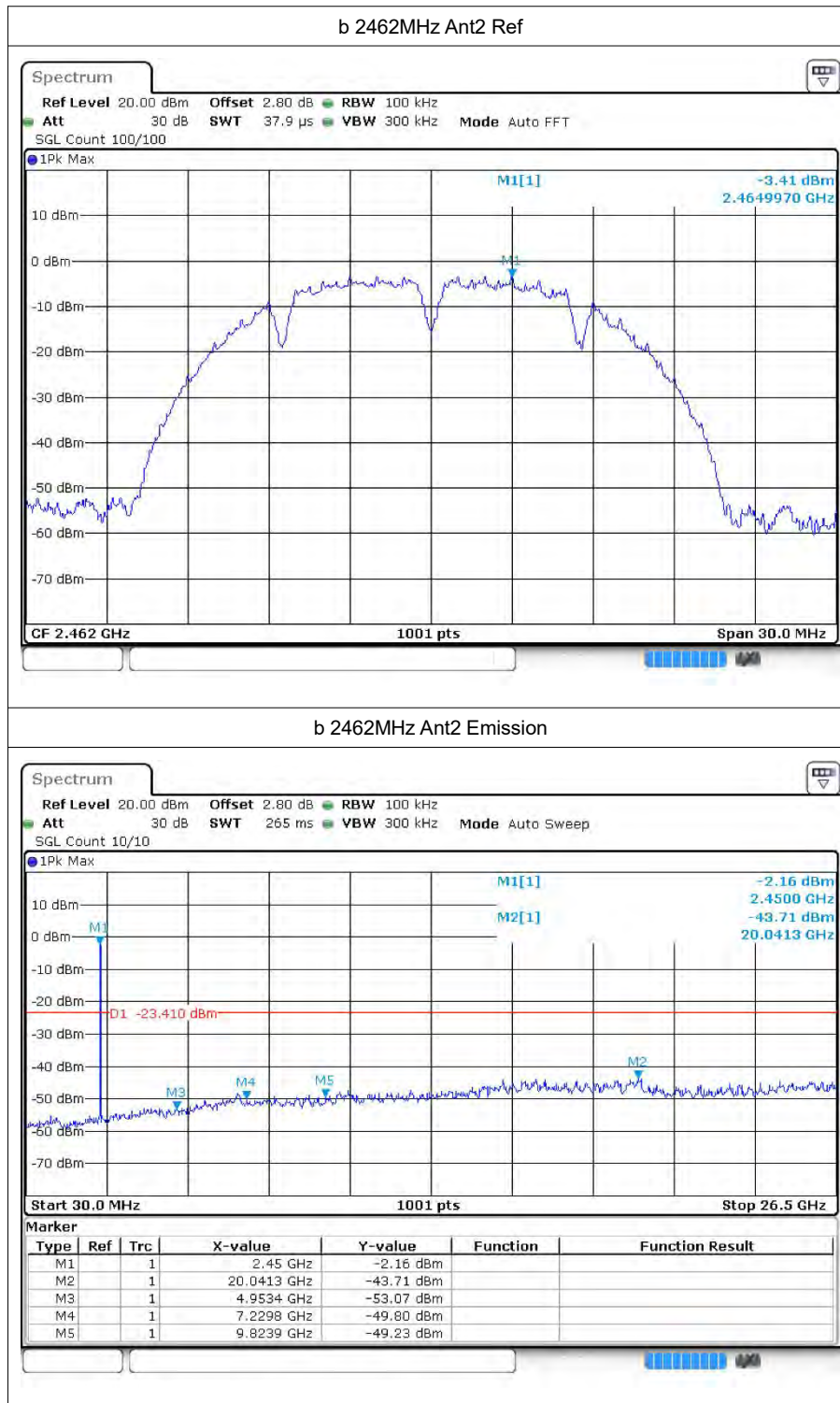
b 2412MHz Ant2 Ref

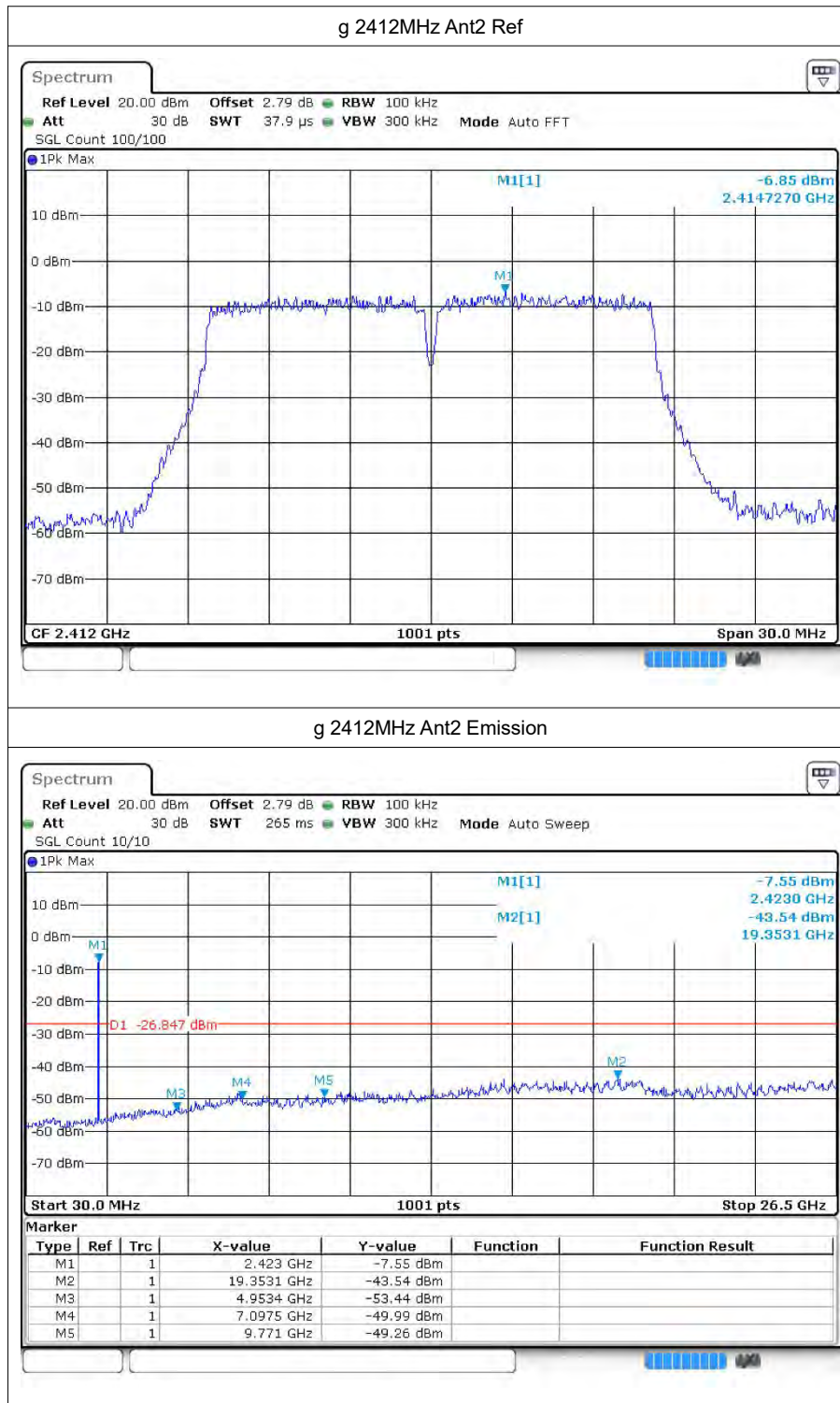


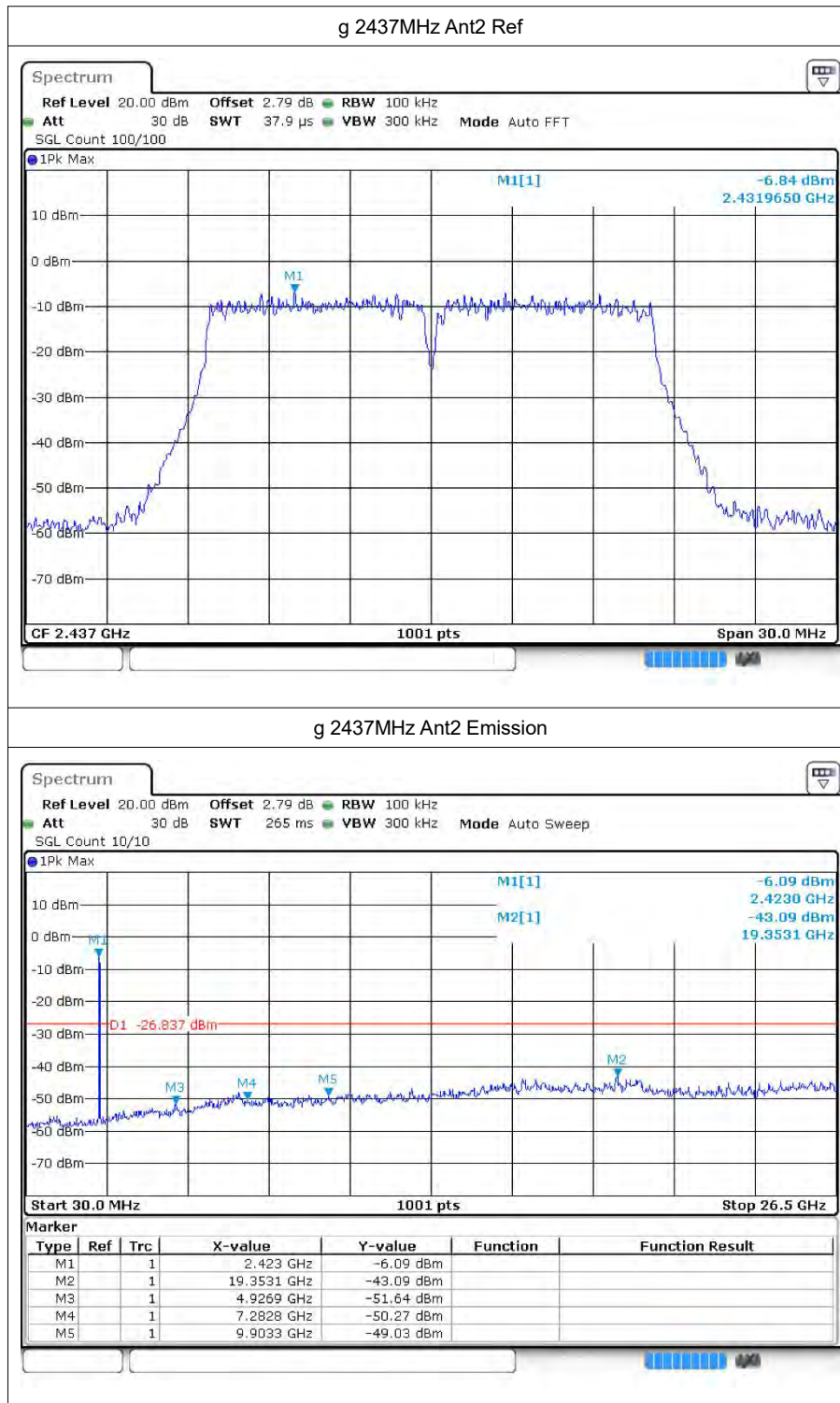
b 2412MHz Ant2 Emission

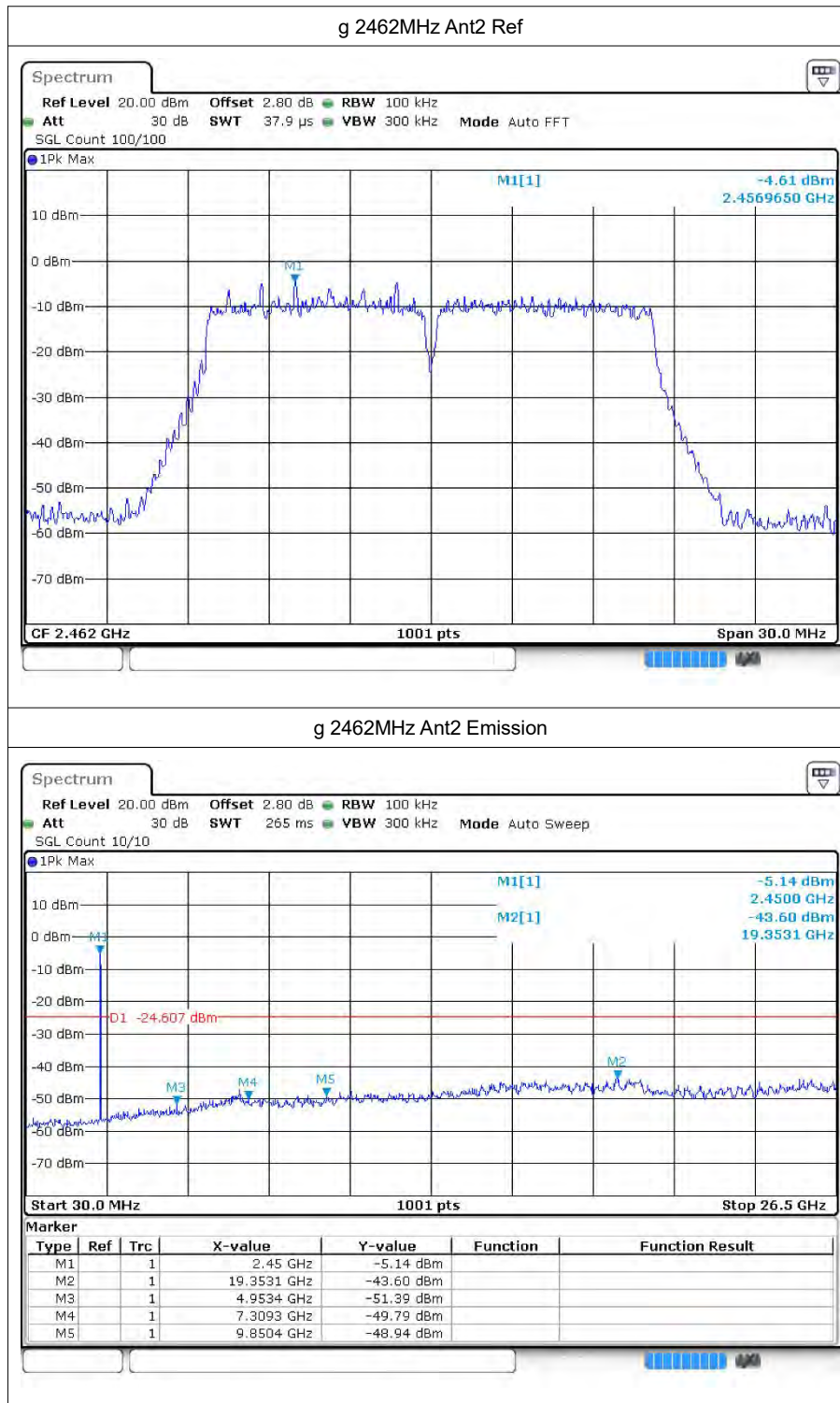


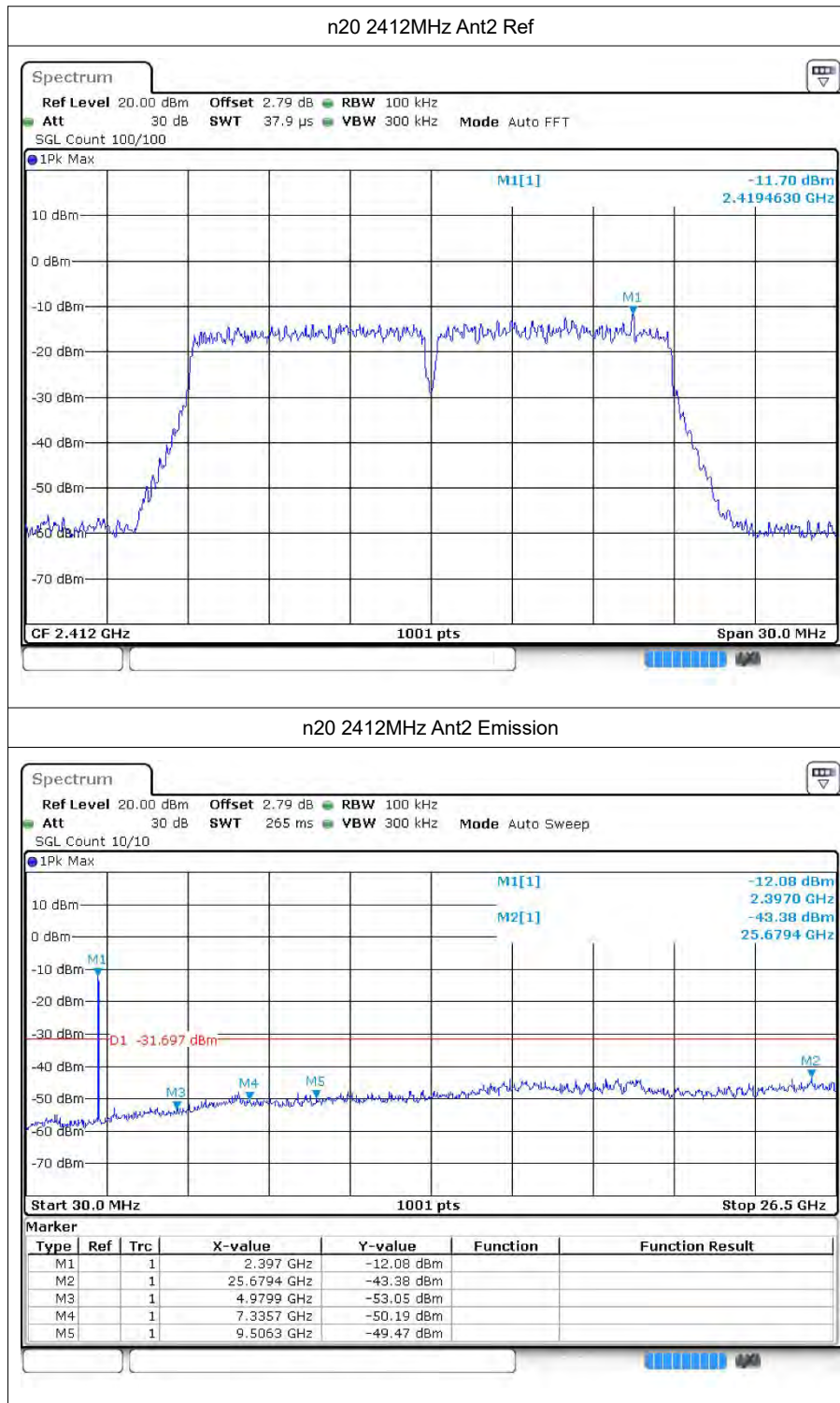


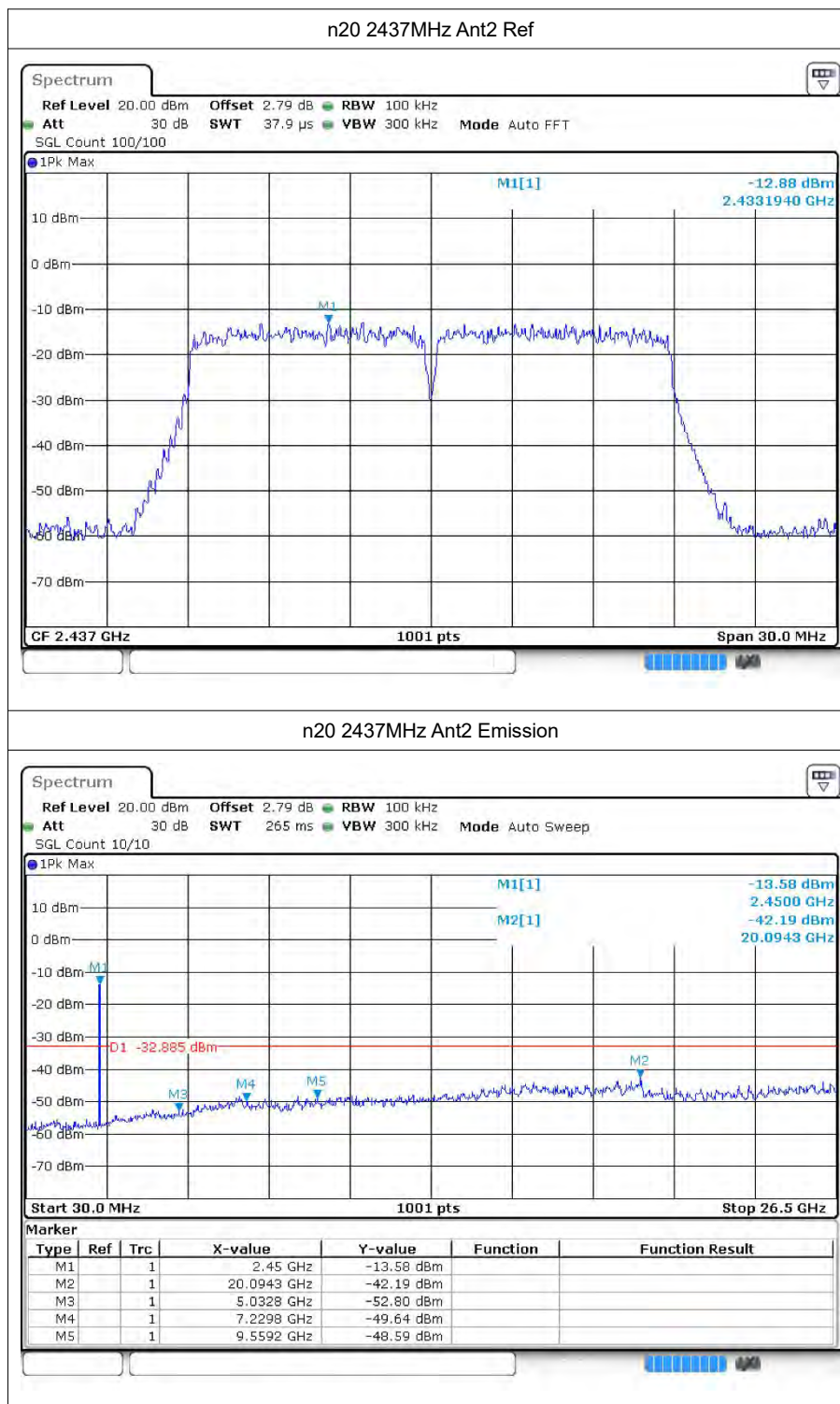


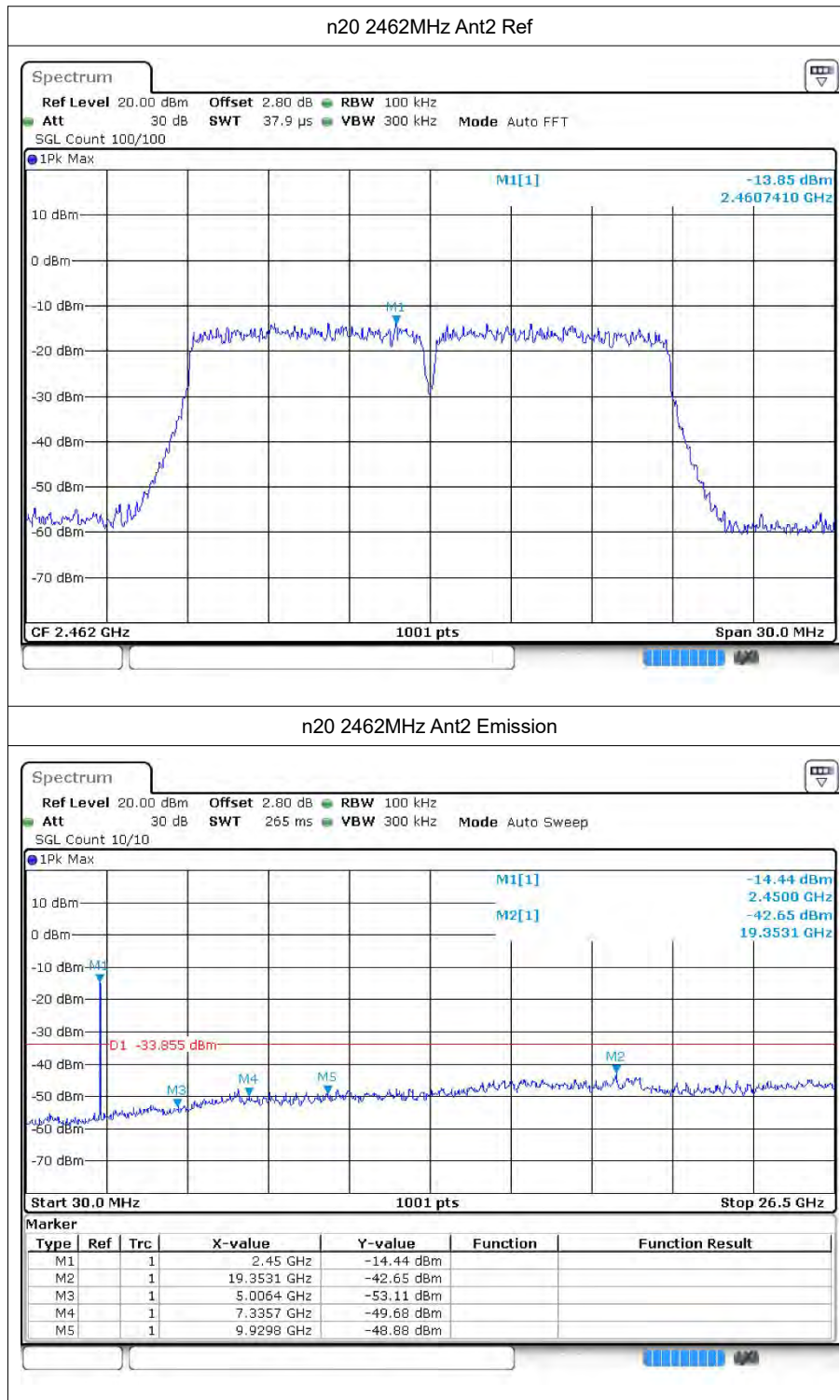


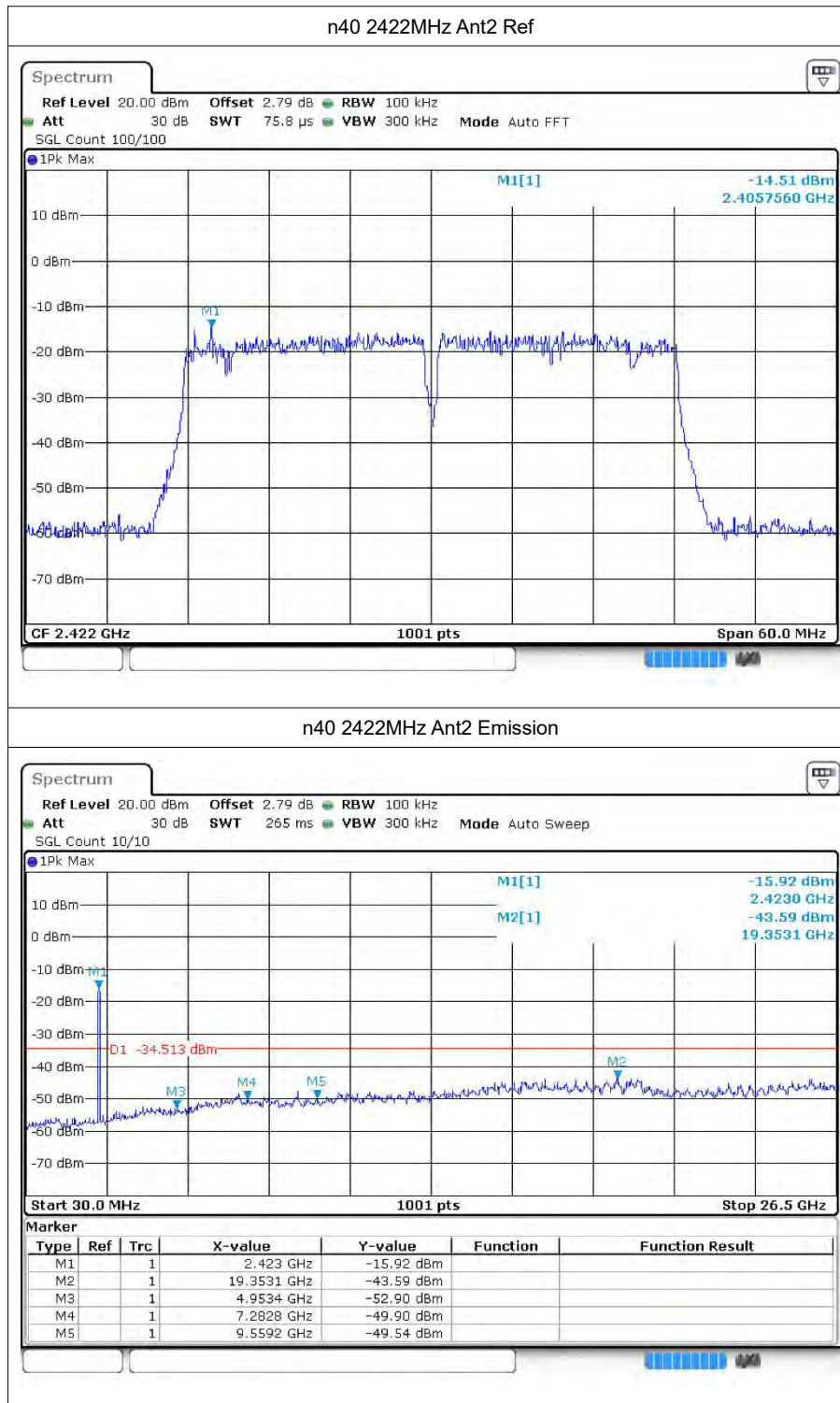


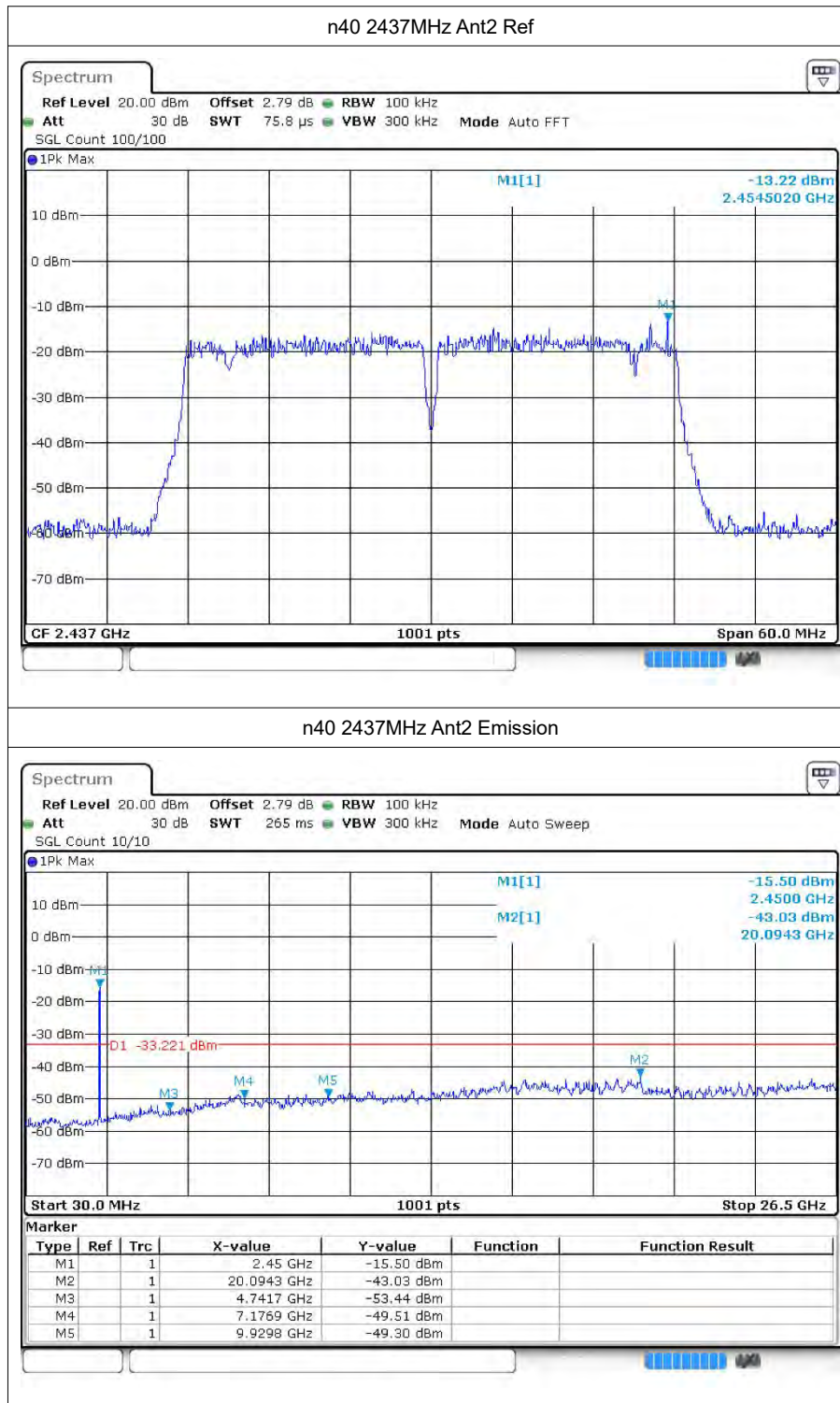


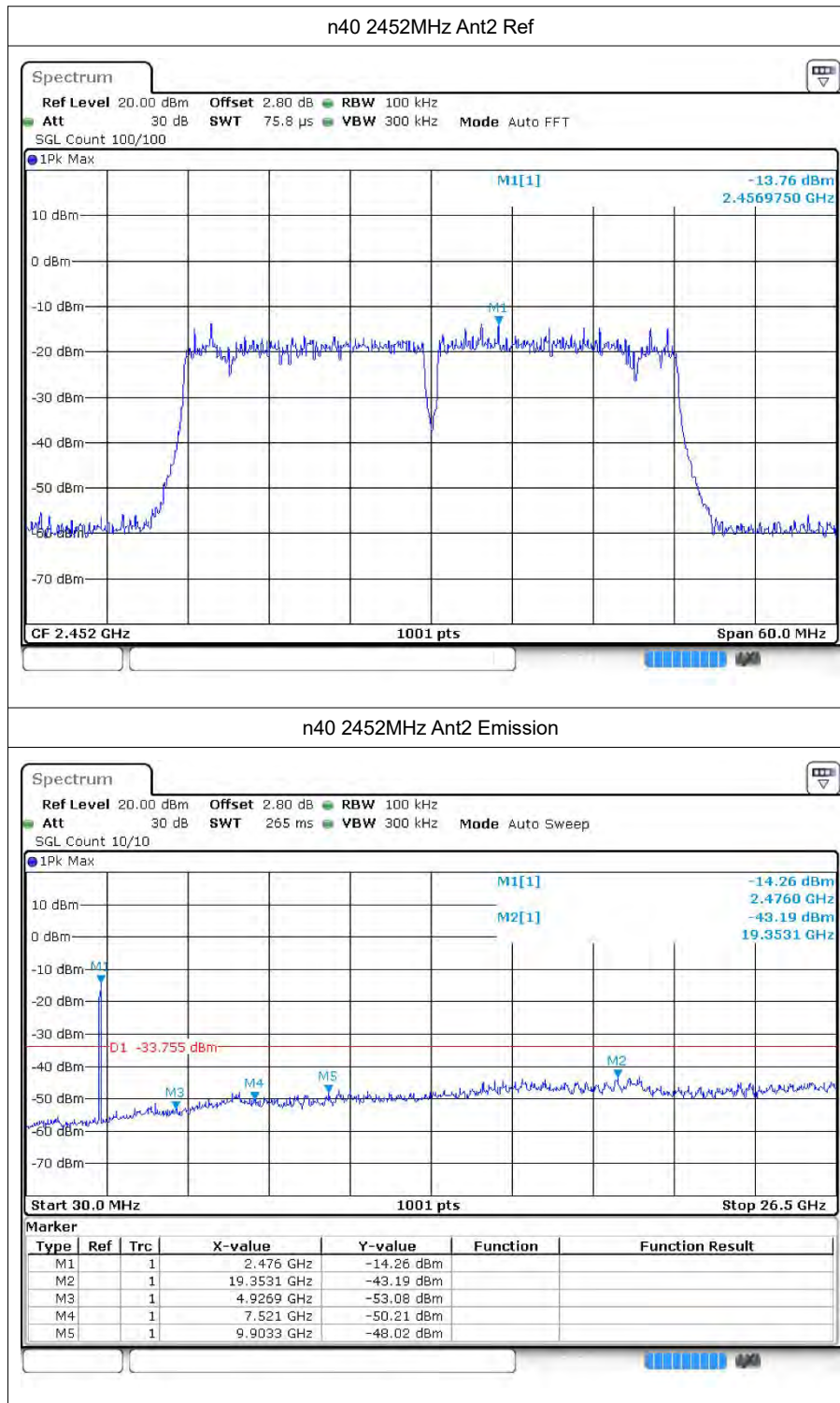


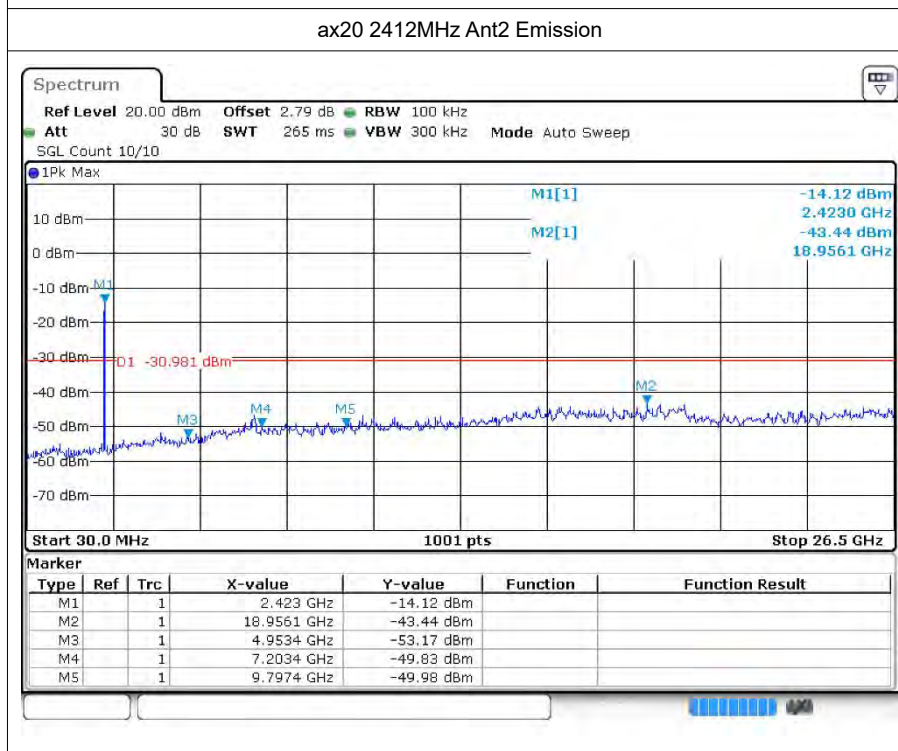
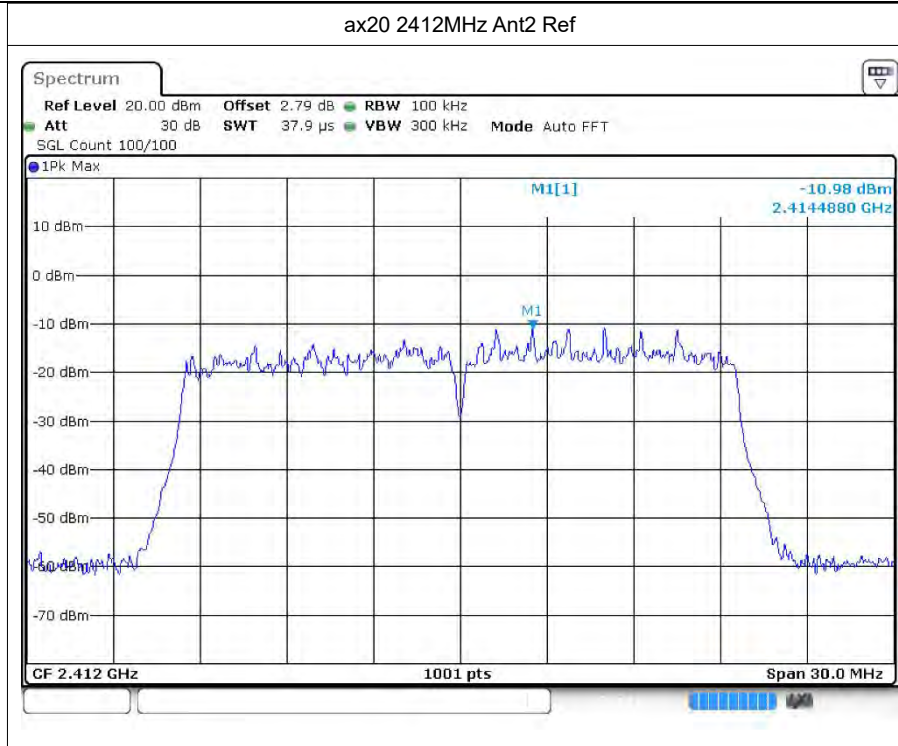


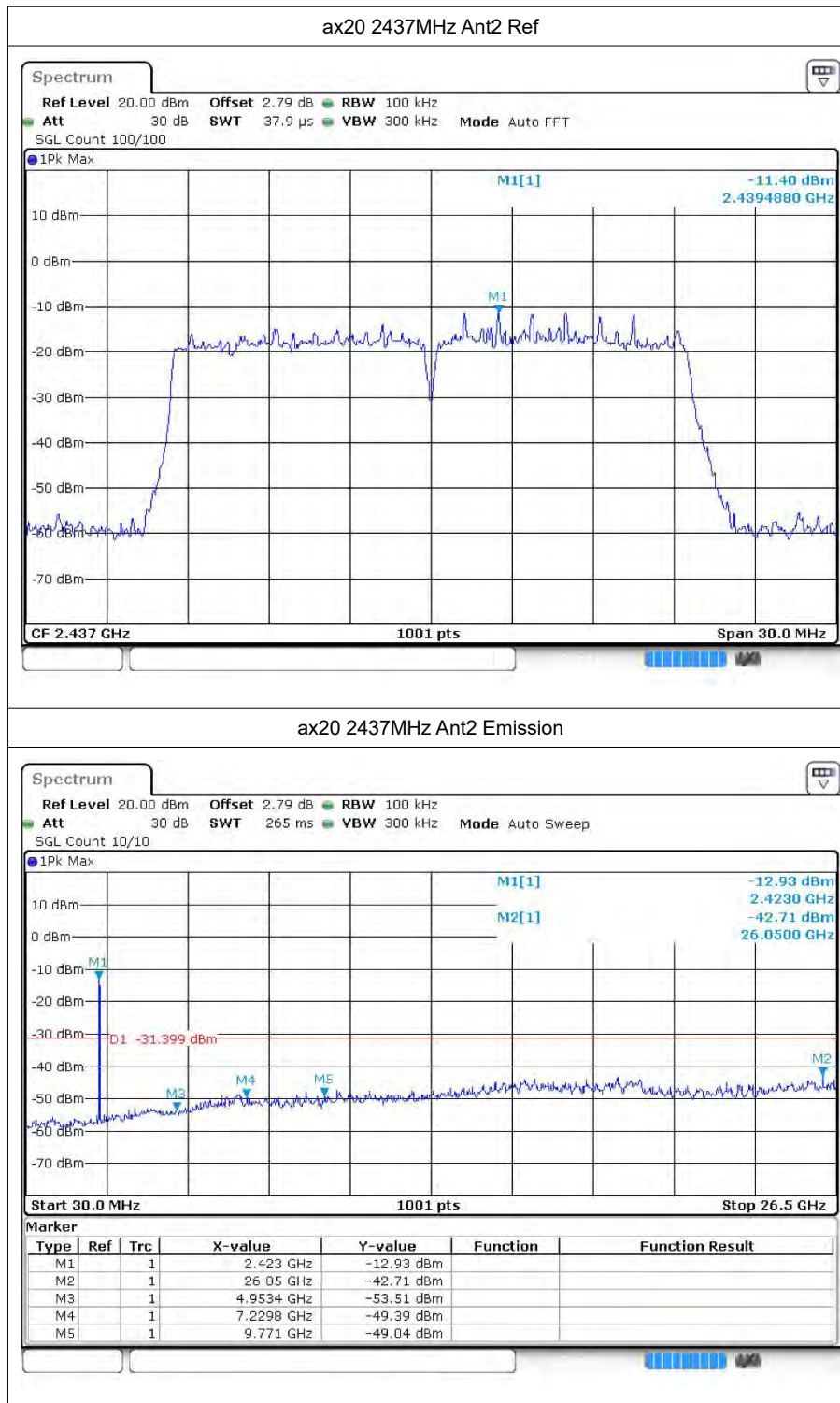


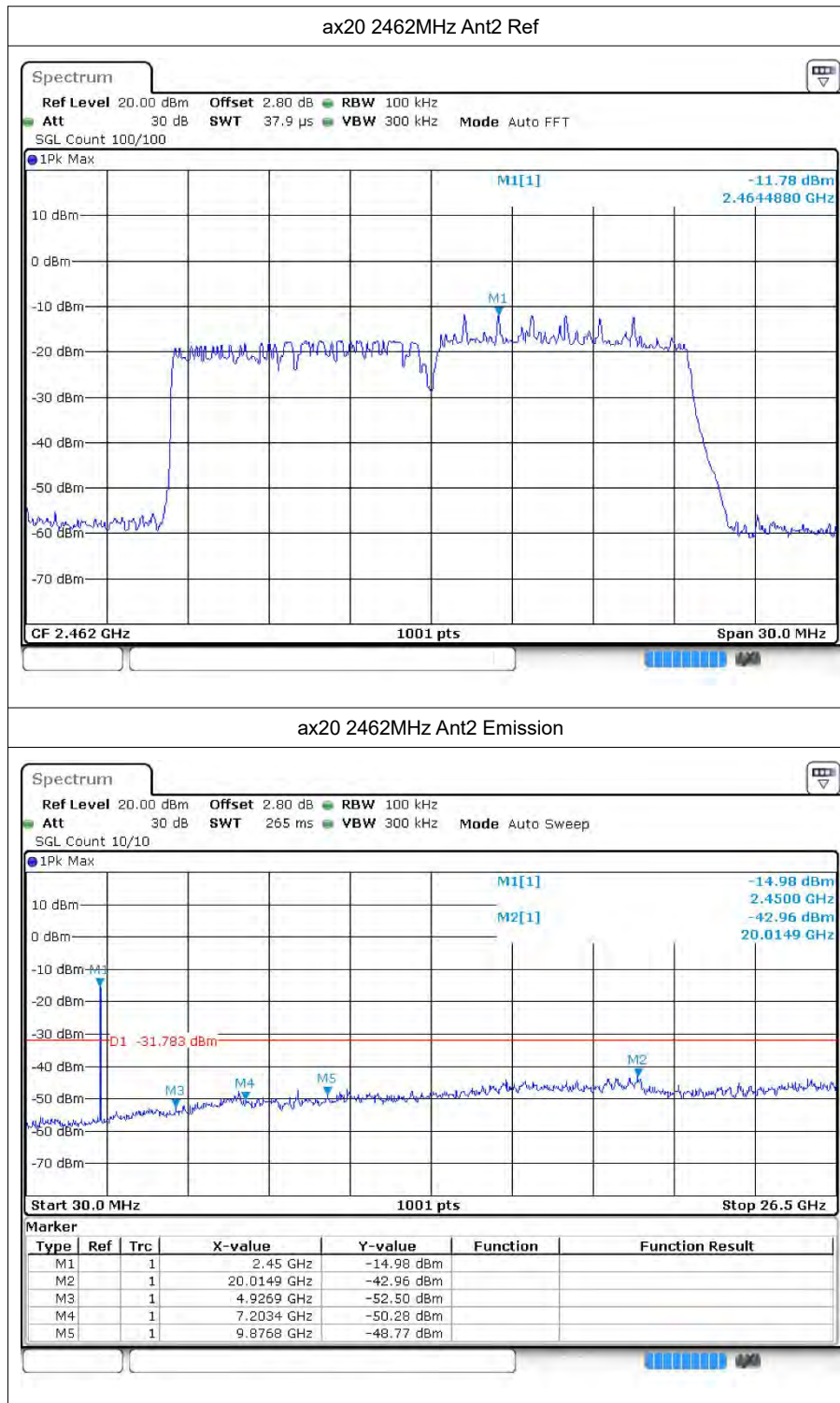


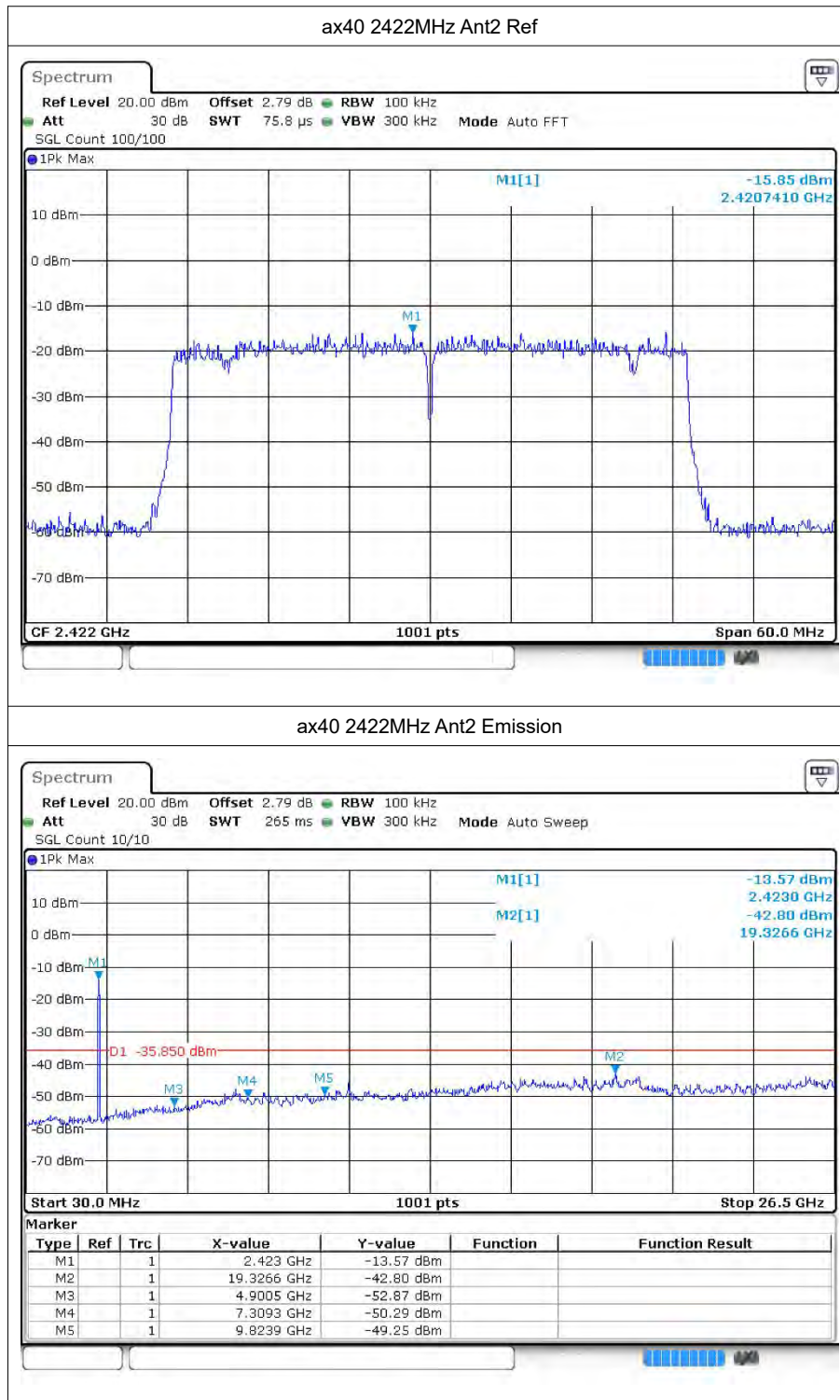


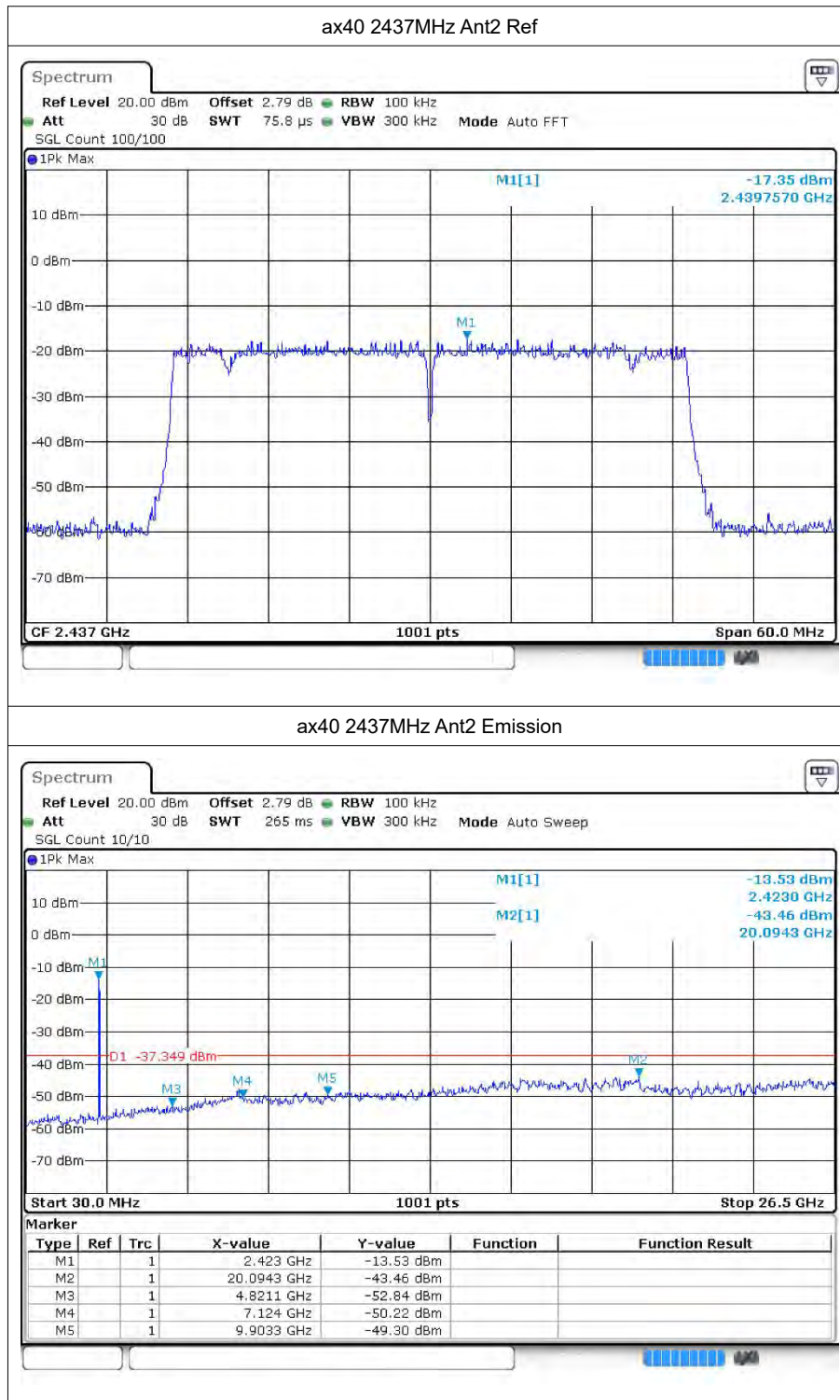


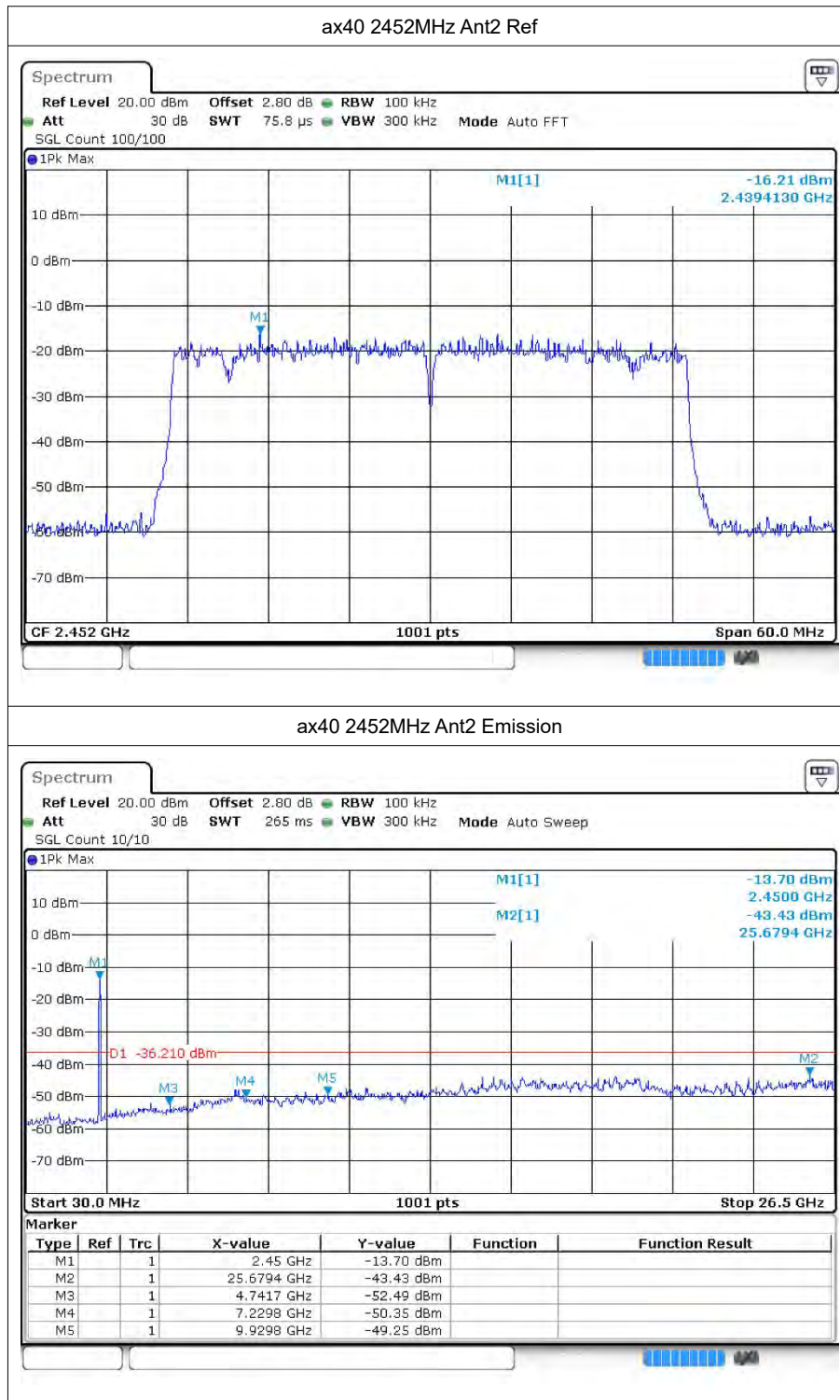














7 Restrict Band

7.1 Test Result

Mod e	Frequency (MHz)	Antenn a	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detecto r	Limit (dBuV/m)	Verdic t
b	2412	Ant1	2310	-51.12	2.26	-	46.37	Peak	74
b	2412	Ant1	2310	-56.48	2.26	1.25	42.26	Average	54
b	2412	Ant1	2339.133	-46.11	2.26	-	51.38	Peak	74
b	2412	Ant1	2339.016	-55.09	2.26	1.25	43.65	Average	54
b	2412	Ant1	2390	-49.83	2.26	-	47.66	Peak	74
b	2412	Ant1	2390	-55.08	2.26	1.25	43.66	Average	54
b	2462	Ant1	2483.5	-47.19	2.26	-	50.3	Peak	74
b	2462	Ant1	2483.5	-55.73	2.26	1.13	42.89	Average	54
b	2462	Ant1	2494.541	-46.14	2.26	-	51.35	Peak	74
b	2462	Ant1	2486.591	-54.38	2.26	1.13	44.24	Average	54
b	2462	Ant1	2500	-50.65	2.26	-	46.84	Peak	74
b	2462	Ant1	2500	-55.59	2.26	1.13	43.03	Average	54
g	2412	Ant1	2310	-47.34	2.26	-	50.15	Peak	74
g	2412	Ant1	2310	-56.07	2.26	4.47	45.89	Average	54
g	2412	Ant1	2373.18	-46.04	2.26	-	51.45	Peak	74
g	2412	Ant1	2339.367	-54.42	2.26	4.47	47.54	Average	54
g	2412	Ant1	2390	-48.46	2.26	-	49.03	Peak	74
g	2412	Ant1	2390	-57.12	2.26	4.47	44.84	Average	54
g	2462	Ant1	2483.5	-49.29	2.26	-	48.2	Peak	74
g	2462	Ant1	2483.5	-55.52	2.26	4.54	46.51	Average	54
g	2462	Ant1	2485.107	-46.95	2.26	-	50.54	Peak	74
g	2462	Ant1	2493.004	-55.2	2.26	4.54	46.83	Average	54
g	2462	Ant1	2500	-48.39	2.26	-	49.1	Peak	74
g	2462	Ant1	2500	-56.96	2.26	4.54	45.07	Average	54
n20	2412	Ant1	2310	-49.72	2.26	-	47.77	Peak	74
n20	2412	Ant1	2310	-57.27	2.26	4.66	44.88	Average	54
n20	2412	Ant1	2313.042	-46.66	2.26	-	50.83	Peak	74
n20	2412	Ant1	2337.261	-54.41	2.26	4.66	47.74	Average	54
n20	2412	Ant1	2390	-50.18	2.26	-	47.31	Peak	74
n20	2412	Ant1	2390	-57.04	2.26	4.66	45.11	Average	54
n20	2462	Ant1	2483.5	-51.92	2.26	-	45.57	Peak	74
n20	2462	Ant1	2483.5	-56.93	2.26	4.64	45.2	Average	54
n20	2462	Ant1	2491.732	-47.52	2.26	-	49.97	Peak	74



n20	2462	Ant1	2493.852	-55.54	2.26	4.64	46.59	Average	54
n20	2462	Ant1	2500	-49.64	2.26	-	47.85	Peak	74
n20	2462	Ant1	2500	-56	2.26	4.64	46.13	Average	54
n40	2422	Ant1	2310	-48.29	2.26	-	49.2	Peak	74
n40	2422	Ant1	2310	-56.13	2.26	6.94	48.3	Average	54
n40	2422	Ant1	2338.968	-45.66	2.26	-	51.83	Peak	74
n40	2422	Ant1	2338.968	-54.44	2.26	6.94	49.99	Average	54
n40	2422	Ant1	2390	-50.68	2.26	-	46.81	Peak	74
n40	2422	Ant1	2390	-57.29	2.26	6.94	47.14	Average	54
n40	2452	Ant1	2483.5	-48.59	2.26	-	48.9	Peak	74
n40	2452	Ant1	2483.5	-55.95	2.26	6.94	48.48	Average	54
n40	2452	Ant1	2491.81	-47.65	2.26	-	49.84	Peak	74
n40	2452	Ant1	2487.598	-55.27	2.26	6.94	49.16	Average	54
n40	2452	Ant1	2500	-49.42	2.26	-	48.07	Peak	74
n40	2452	Ant1	2500	-56	2.26	6.94	48.43	Average	54
ax20	2412	Ant1	2310	-49.47	2.26	-	48.02	Peak	74
ax20	2412	Ant1	2310	-56.77	2.26	4.9	45.62	Average	54
ax20	2412	Ant1	2341.941	-46.39	2.26	-	51.1	Peak	74
ax20	2412	Ant1	2337.846	-53.97	2.26	4.9	48.42	Average	54
ax20	2412	Ant1	2390	-49.69	2.26	-	47.8	Peak	74
ax20	2412	Ant1	2390	-57.51	2.26	4.9	44.88	Average	54
ax20	2462	Ant1	2483.5	-49.57	2.26	-	47.92	Peak	74
ax20	2462	Ant1	2483.5	-56.77	2.26	4.85	45.57	Average	54
ax20	2462	Ant1	2498.569	-46.89	2.26	-	50.6	Peak	74
ax20	2462	Ant1	2495.76	-55.68	2.26	4.85	46.66	Average	54
ax20	2462	Ant1	2500	-50.25	2.26	-	47.24	Peak	74
ax20	2462	Ant1	2500	-56.34	2.26	4.85	46	Average	54
ax40	2422	Ant1	2310	-48.91	2.26	-	48.58	Peak	74
ax40	2422	Ant1	2310	-56.32	2.26	7.04	48.21	Average	54
ax40	2422	Ant1	2340.814	-45.65	2.26	-	51.84	Peak	74
ax40	2422	Ant1	2340.53	-54.47	2.26	7.04	50.06	Average	54
ax40	2422	Ant1	2390	-50.2	2.26	-	47.29	Peak	74
ax40	2422	Ant1	2390	-56.57	2.26	7.04	47.96	Average	54
ax40	2452	Ant1	2483.5	-48.7	2.26	-	48.79	Peak	74
ax40	2452	Ant1	2483.5	-56.63	2.26	7.06	47.92	Average	54
ax40	2452	Ant1	2486.038	-47.63	2.26	-	49.86	Peak	74
ax40	2452	Ant1	2497.738	-55.73	2.26	7.06	48.82	Average	54
ax40	2452	Ant1	2500	-49.71	2.26	-	47.78	Peak	74
ax40	2452	Ant1	2500	-55.83	2.26	7.06	48.72	Average	54
b	2412	Ant2	2310	-50.39	2.17	-	47.01	Peak	74
b	2412	Ant2	2310	-56.86	2.17	1.25	41.79	Average	54
b	2412	Ant2	2336.559	-44.6	2.17	-	52.8	Peak	74
b	2412	Ant2	2340.303	-53.94	2.17	1.25	44.71	Average	54



b	2412	Ant2	2390	-48.47	2.17	-	48.93	Peak	74
b	2412	Ant2	2390	-55.43	2.17	1.25	43.22	Average	54
b	2462	Ant2	2483.5	-48.31	2.17	-	49.09	Peak	74
b	2462	Ant2	2483.5	-55.71	2.17	1.23	42.92	Average	54
b	2462	Ant2	2484.577	-46.9	2.17	-	50.5	Peak	74
b	2462	Ant2	2486.591	-54.99	2.17	1.23	43.64	Average	54
b	2462	Ant2	2500	-50.24	2.17	-	47.16	Peak	74
b	2462	Ant2	2500	-55.66	2.17	1.23	42.97	Average	54
g	2412	Ant2	2310	-50.48	2.17	-	46.92	Peak	74
g	2412	Ant2	2310	-56.35	2.17	4.52	45.57	Average	54
g	2412	Ant2	2384.646	-46.75	2.17	-	50.65	Peak	74
g	2412	Ant2	2338.08	-54.17	2.17	4.52	47.75	Average	54
g	2412	Ant2	2390	-50.46	2.17	-	46.94	Peak	74
g	2412	Ant2	2390	-56.59	2.17	4.52	45.33	Average	54
g	2462	Ant2	2483.5	-47.54	2.17	-	49.86	Peak	74
g	2462	Ant2	2483.5	-55.32	2.17	4.5	46.58	Average	54
g	2462	Ant2	2490.513	-47.04	2.17	-	50.36	Peak	74
g	2462	Ant2	2484.206	-55.06	2.17	4.5	46.84	Average	54
g	2462	Ant2	2500	-48.92	2.17	-	48.48	Peak	74
g	2462	Ant2	2500	-55.99	2.17	4.5	45.91	Average	54
n20	2412	Ant2	2310	-48.16	2.17	-	49.24	Peak	74
n20	2412	Ant2	2310	-57.2	2.17	4.7	44.9	Average	54
n20	2412	Ant2	2360.544	-46.51	2.17	-	50.89	Peak	74
n20	2412	Ant2	2338.431	-53.94	2.17	4.7	48.16	Average	54
n20	2412	Ant2	2390	-50.51	2.17	-	46.89	Peak	74
n20	2412	Ant2	2390	-57.18	2.17	4.7	44.92	Average	54
n20	2462	Ant2	2483.5	-49.35	2.17	-	48.05	Peak	74
n20	2462	Ant2	2483.5	-56.83	2.17	4.77	45.34	Average	54
n20	2462	Ant2	2490.884	-47.07	2.17	-	50.33	Peak	74
n20	2462	Ant2	2495.018	-55.61	2.17	4.77	46.56	Average	54
n20	2462	Ant2	2500	-49.88	2.17	-	47.52	Peak	74
n20	2462	Ant2	2500	-56.08	2.17	4.77	46.09	Average	54
n40	2422	Ant2	2310	-49.72	2.17	-	47.68	Peak	74
n40	2422	Ant2	2310	-56.29	2.17	6.9	48.01	Average	54
n40	2422	Ant2	2368.078	-46.73	2.17	-	50.67	Peak	74
n40	2422	Ant2	2338.684	-54.58	2.17	6.9	49.72	Average	54
n40	2422	Ant2	2390	-49.57	2.17	-	47.83	Peak	74
n40	2422	Ant2	2390	-57.48	2.17	6.9	46.82	Average	54
n40	2452	Ant2	2483.5	-50.85	2.17	-	46.55	Peak	74
n40	2452	Ant2	2483.5	-56.69	2.17	6.92	47.63	Average	54
n40	2452	Ant2	2489.626	-46.44	2.17	-	50.96	Peak	74
n40	2452	Ant2	2484.634	-55.89	2.17	6.92	48.43	Average	54
n40	2452	Ant2	2500	-49.65	2.17	-	47.75	Peak	74



n40	2452	Ant2	2500	-56.93	2.17	6.92	47.39	Average	54
ax20	2412	Ant2	2310	-50.56	2.17	-	46.84	Peak	74
ax20	2412	Ant2	2310	-56.67	2.17	4.93	45.66	Average	54
ax20	2412	Ant2	2338.665	-45.32	2.17	-	52.08	Peak	74
ax20	2412	Ant2	2338.197	-54.89	2.17	4.93	47.44	Average	54
ax20	2412	Ant2	2390	-49.9	2.17	-	47.5	Peak	74
ax20	2412	Ant2	2390	-56.29	2.17	4.93	46.04	Average	54
ax20	2462	Ant2	2483.5	-49.51	2.17	-	47.89	Peak	74
ax20	2462	Ant2	2483.5	-56.75	2.17	4.97	45.62	Average	54
ax20	2462	Ant2	2484.206	-47.04	2.17	-	50.36	Peak	74
ax20	2462	Ant2	2491.308	-55.52	2.17	4.97	46.85	Average	54
ax20	2462	Ant2	2500	-49.73	2.17	-	47.67	Peak	74
ax20	2462	Ant2	2500	-56.7	2.17	4.97	45.67	Average	54
ax40	2422	Ant2	2310	-50.94	2.17	-	46.46	Peak	74
ax40	2422	Ant2	2310	-56.05	2.17	7.01	48.36	Average	54
ax40	2422	Ant2	2342.376	-46.07	2.17	-	51.33	Peak	74
ax40	2422	Ant2	2338.968	-54.39	2.17	7.01	50.02	Average	54
ax40	2422	Ant2	2390	-48.54	2.17	-	48.86	Peak	74
ax40	2422	Ant2	2390	-57.07	2.17	7.01	47.34	Average	54
ax40	2452	Ant2	2483.5	-50.23	2.17	-	47.17	Peak	74
ax40	2452	Ant2	2483.5	-57.26	2.17	7.04	47.18	Average	54
ax40	2452	Ant2	2486.35	-47.97	2.17	-	49.43	Peak	74
ax40	2452	Ant2	2495.164	-55.84	2.17	7.04	48.6	Average	54
ax40	2452	Ant2	2500	-48.47	2.17	-	48.93	Peak	74
ax40	2452	Ant2	2500	-56.44	2.17	7.04	48	Average	54



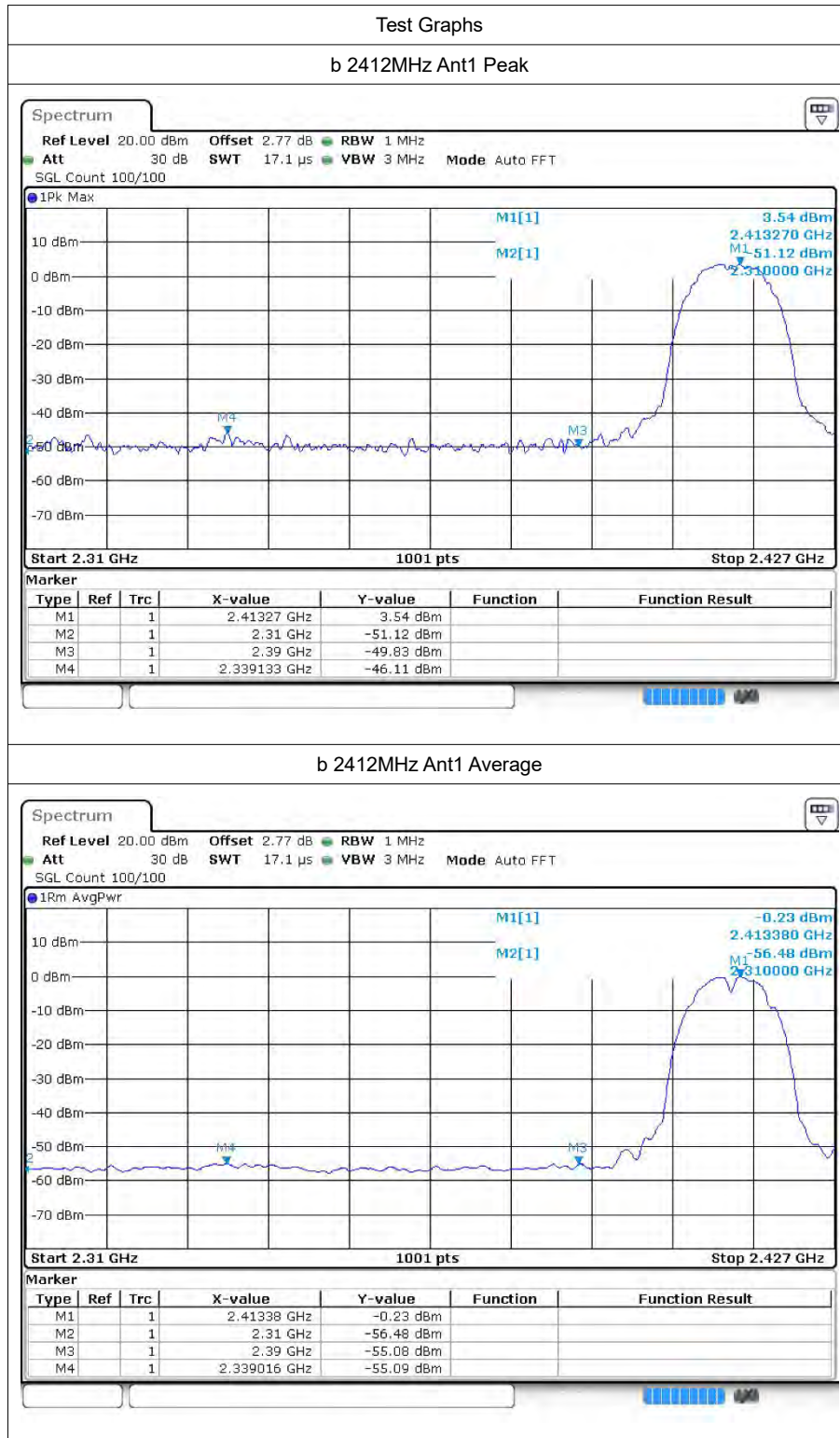
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n20	2412	Sum	2310	-45.860	5.230	54.600	Peak	74	Pass
n20	2412	Sum	2310	-54.225	5.230	46.235	Average	54	Pass
n20	2412	Sum	2338.782	-43.574	5.230	56.886	Peak	74	Pass
n20	2412	Sum	2338.548	-51.158	5.230	49.302	Average	54	Pass
n20	2412	Sum	2390	-47.332	5.230	53.128	Peak	74	Pass
n20	2412	Sum	2390	-54.099	5.230	46.361	Average	54	Pass
n20	2462	Sum	2483.5	-47.437	5.230	53.023	Peak	74	Pass
n20	2462	Sum	2483.5	-53.869	5.230	46.591	Average	54	Pass
n20	2462	Sum	2496.078	-44.279	5.230	56.181	Peak	74	Pass
n20	2462	Sum	2499.205	-52.565	5.230	47.895	Average	54	Pass
n20	2462	Sum	2500	-46.748	5.230	53.712	Peak	74	Pass
n20	2462	Sum	2500	-53.030	5.230	47.430	Average	54	Pass
n40	2422	Sum	2310	-45.936	5.230	54.524	Peak	74	Pass
n40	2422	Sum	2310	-53.199	5.230	47.261	Average	54	Pass
n40	2422	Sum	2362.54	-43.152	5.230	57.308	Peak	74	Pass
n40	2422	Sum	2340.672	-51.499	5.230	48.961	Average	54	Pass
n40	2422	Sum	2390	-47.079	5.230	53.381	Peak	74	Pass
n40	2422	Sum	2390	-54.374	5.230	46.086	Average	54	Pass
n40	2452	Sum	2483.5	-46.564	5.230	53.896	Peak	74	Pass
n40	2452	Sum	2483.5	-53.294	5.230	47.166	Average	54	Pass
n40	2452	Sum	2490.016	-43.993	5.230	56.467	Peak	74	Pass
n40	2452	Sum	2496.178	-52.559	5.230	47.901	Average	54	Pass
n40	2452	Sum	2500	-46.523	5.230	53.937	Peak	74	Pass
n40	2452	Sum	2500	-53.430	5.230	47.030	Average	54	Pass
ax20	2412	Sum	2310	-46.971	5.230	53.489	Peak	74	Pass
ax20	2412	Sum	2310	-53.709	5.230	46.751	Average	54	Pass
ax20	2412	Sum	2336.559	-42.812	5.230	57.648	Peak	74	Pass
ax20	2412	Sum	2337.846	-51.395	5.230	49.065	Average	54	Pass
ax20	2412	Sum	2390	-46.783	5.230	53.677	Peak	74	Pass
ax20	2412	Sum	2390	-53.847	5.230	46.613	Average	54	Pass
ax20	2462	Sum	2483.5	-46.530	5.230	53.930	Peak	74	Pass
ax20	2462	Sum	2483.5	-53.750	5.230	46.710	Average	54	Pass
ax20	2462	Sum	2497.562	-43.954	5.230	56.506	Peak	74	Pass
ax20	2462	Sum	2484.418	-52.589	5.230	47.871	Average	54	Pass
ax20	2462	Sum	2500	-46.972	5.230	53.488	Peak	74	Pass
ax20	2462	Sum	2500	-53.506	5.230	46.954	Average	54	Pass
ax40	2422	Sum	2310	-46.797	5.230	53.663	Peak	74	Pass
ax40	2422	Sum	2310	-53.173	5.230	47.287	Average	54	Pass
ax40	2422	Sum	2341.382	-42.845	5.230	57.615	Peak	74	Pass
ax40	2422	Sum	2339.11	-51.420	5.230	49.040	Average	54	Pass
ax40	2422	Sum	2390	-46.281	5.230	54.179	Peak	74	Pass
ax40	2422	Sum	2390	-53.803	5.230	46.657	Average	54	Pass

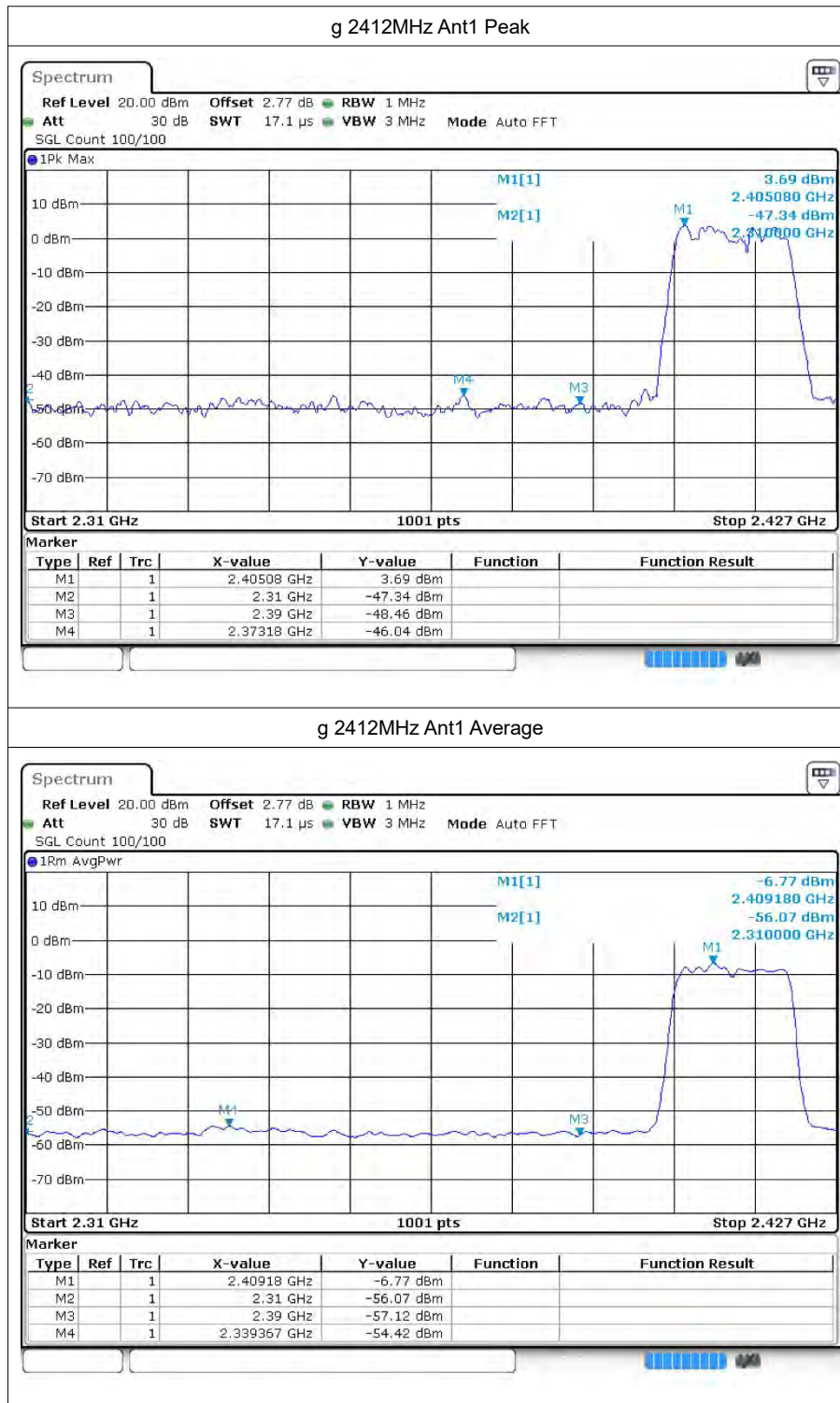


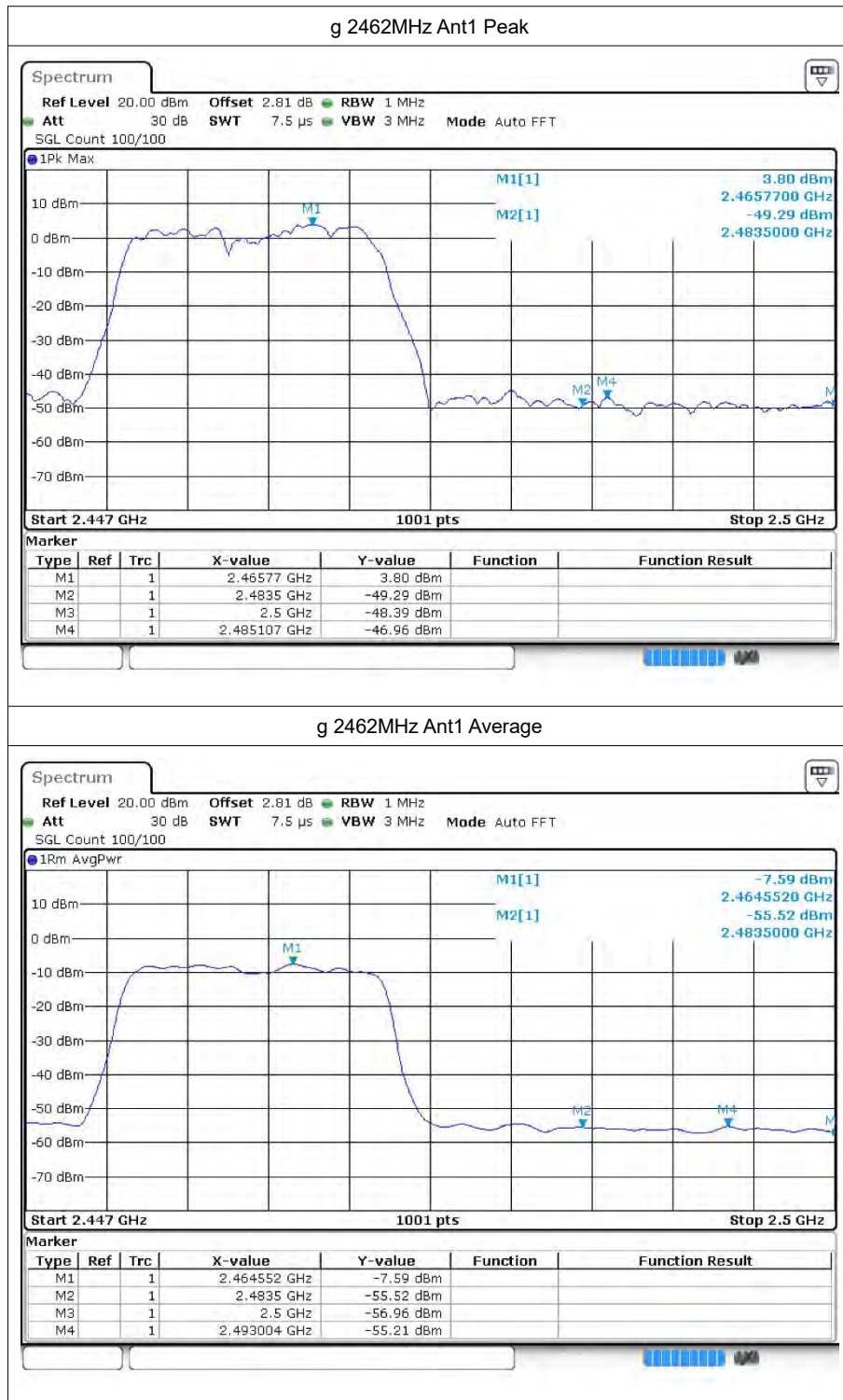
ax40	2452	Sum	2483.5	-46.388	5.230	54.072	Peak	74	Pass
ax40	2452	Sum	2483.5	-53.923	5.230	46.537	Average	54	Pass
ax40	2452	Sum	2489.782	-44.786	5.230	55.674	Peak	74	Pass
ax40	2452	Sum	2486.038	-52.774	5.230	47.686	Average	54	Pass
ax40	2452	Sum	2500	-46.036	5.230	54.424	Peak	74	Pass
ax40	2452	Sum	2500	-53.114	5.230	47.346	Average	54	Pass

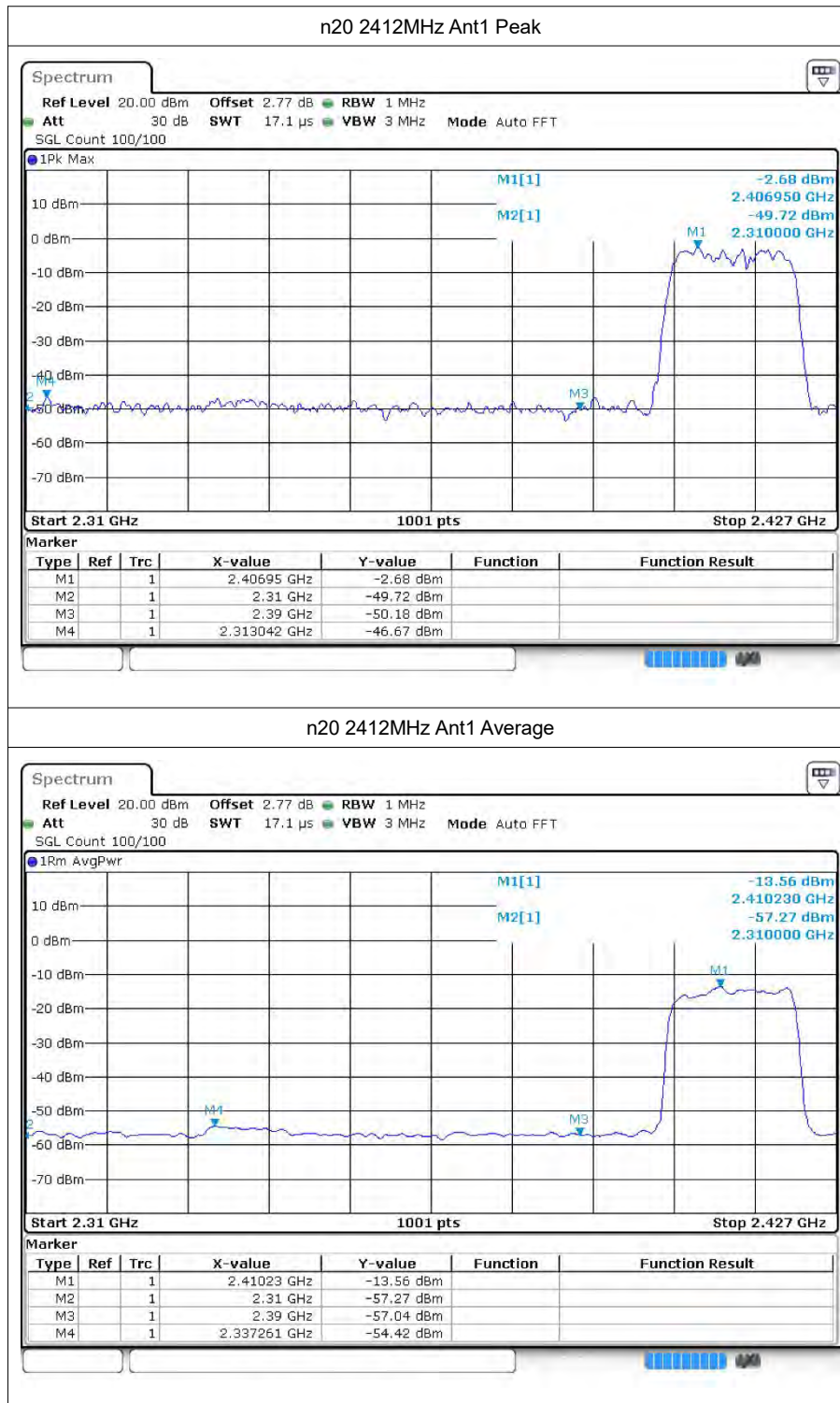
7.2 Test Graphs

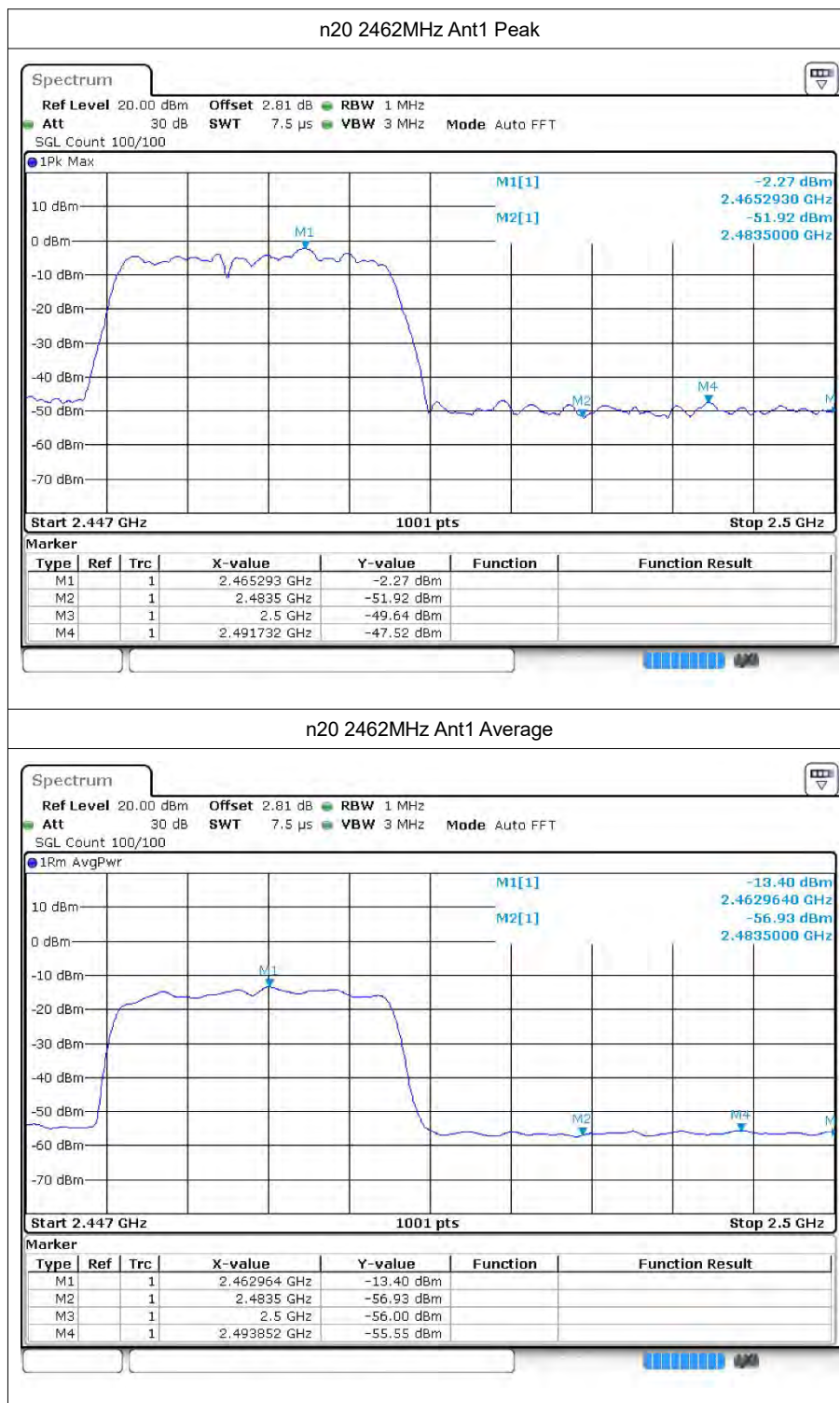


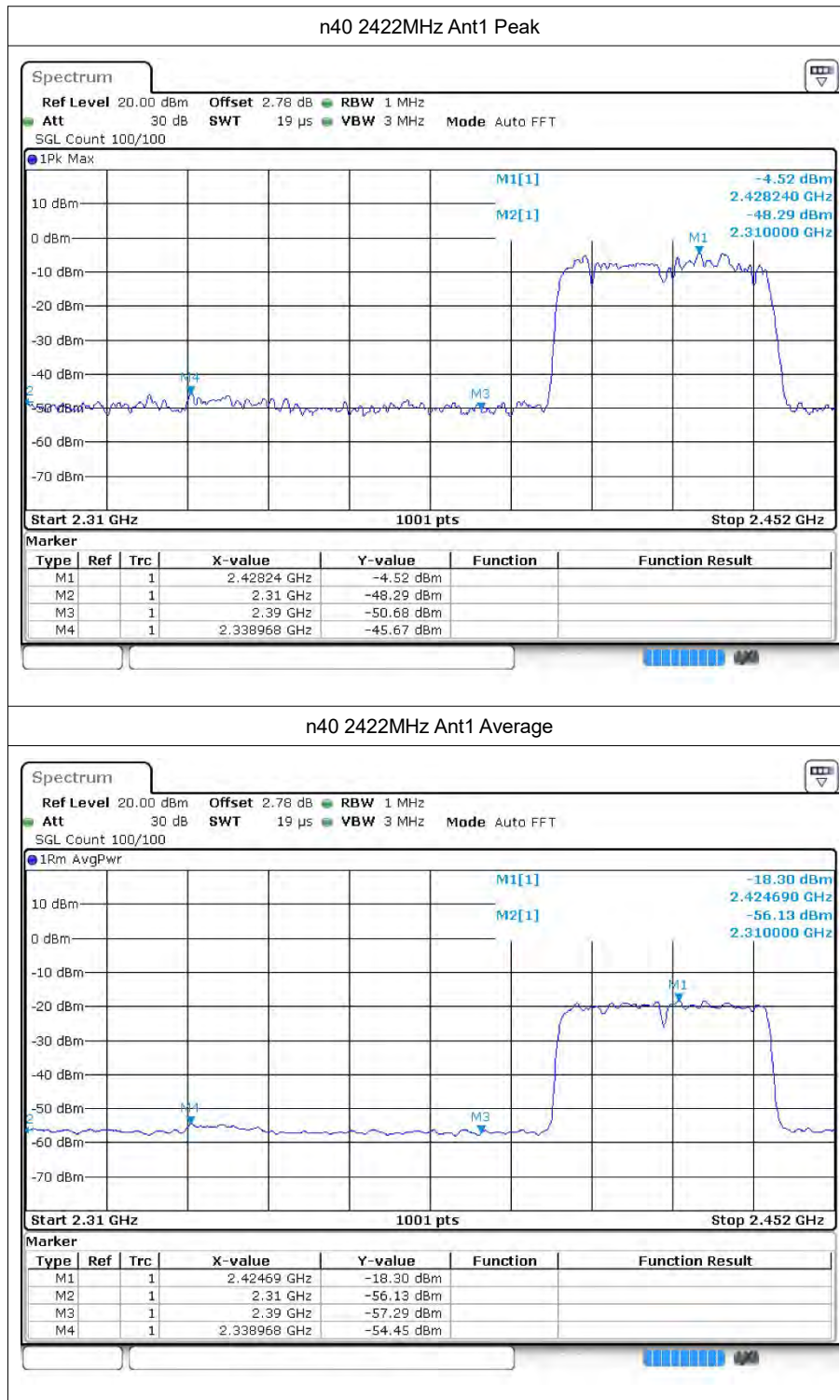


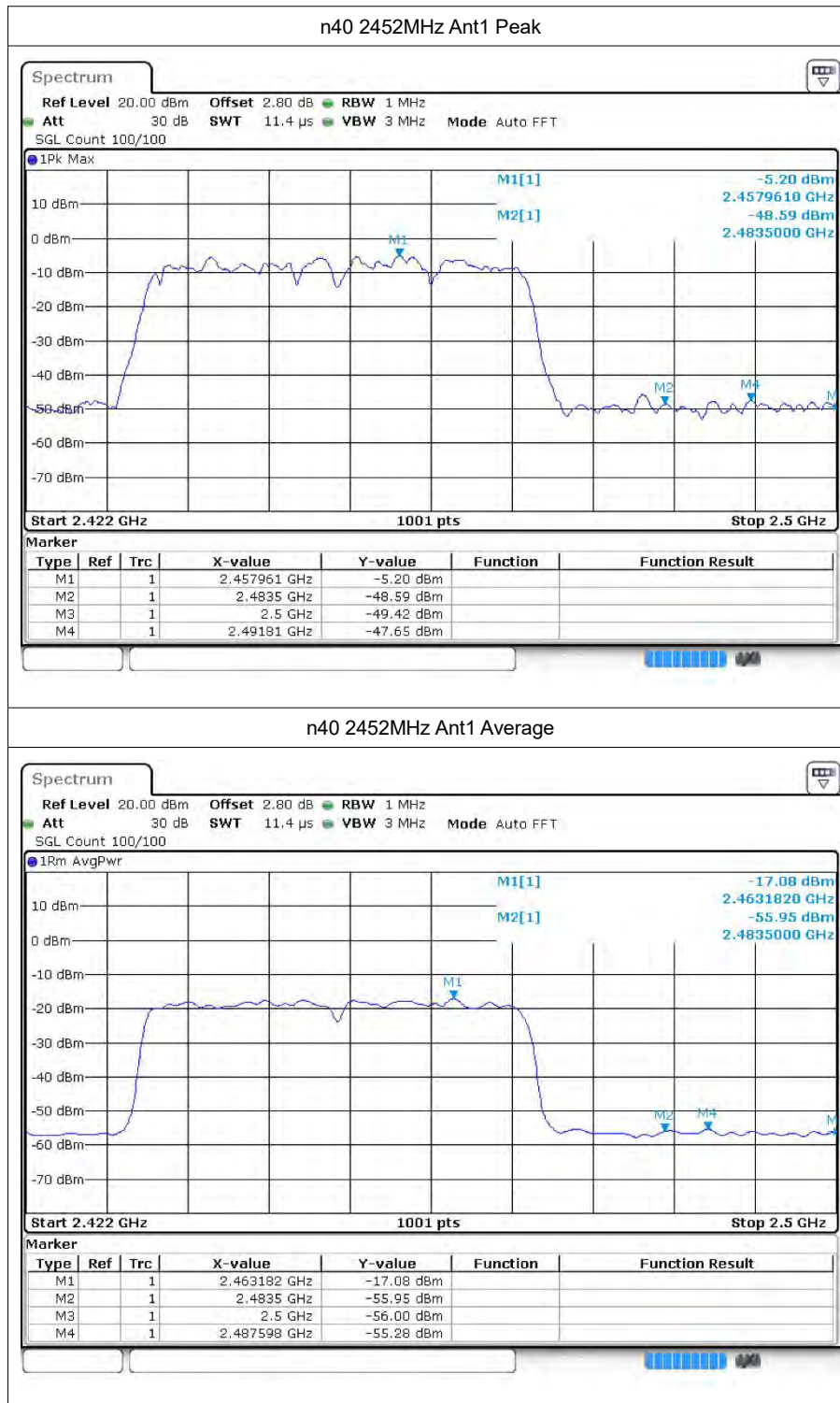






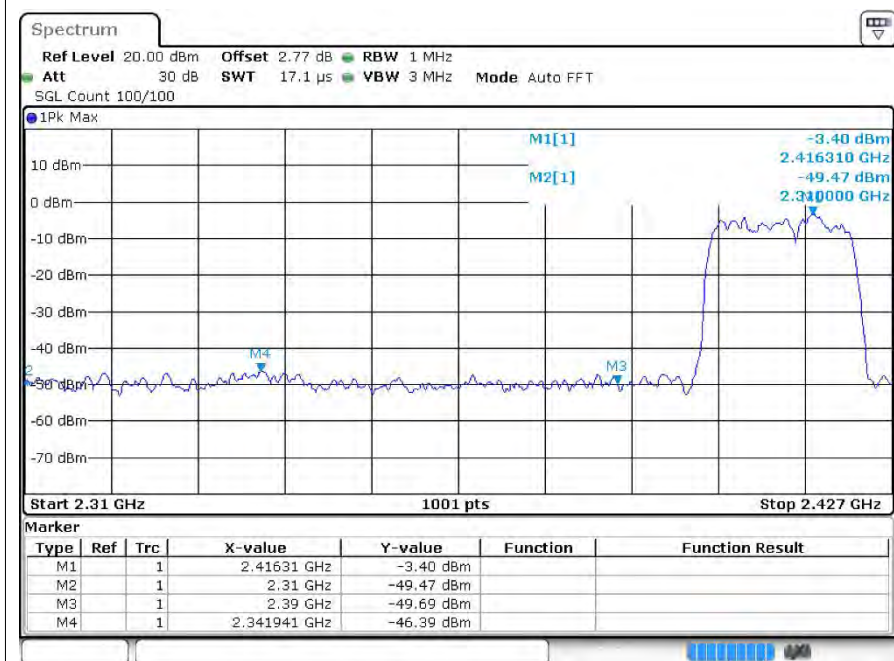




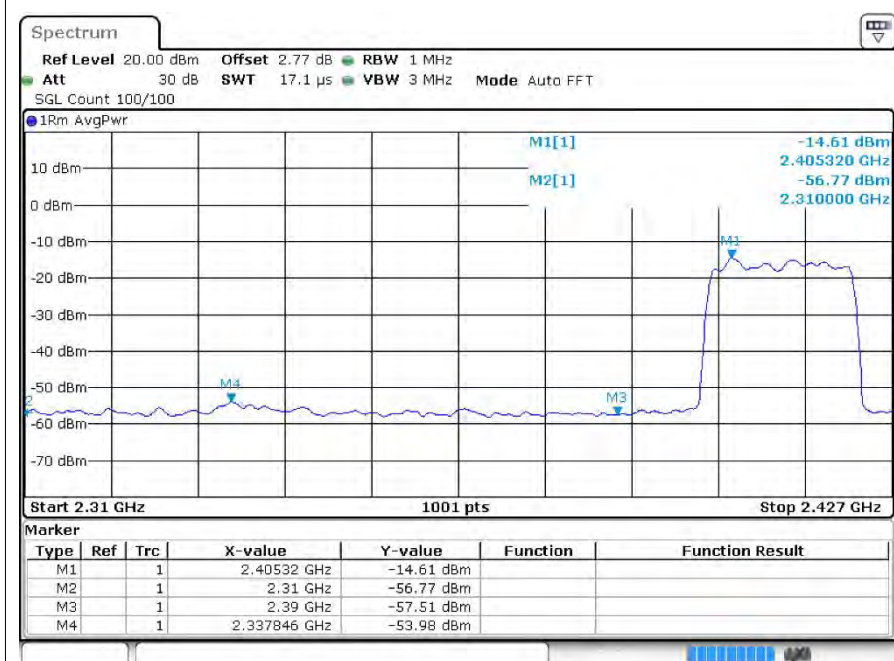




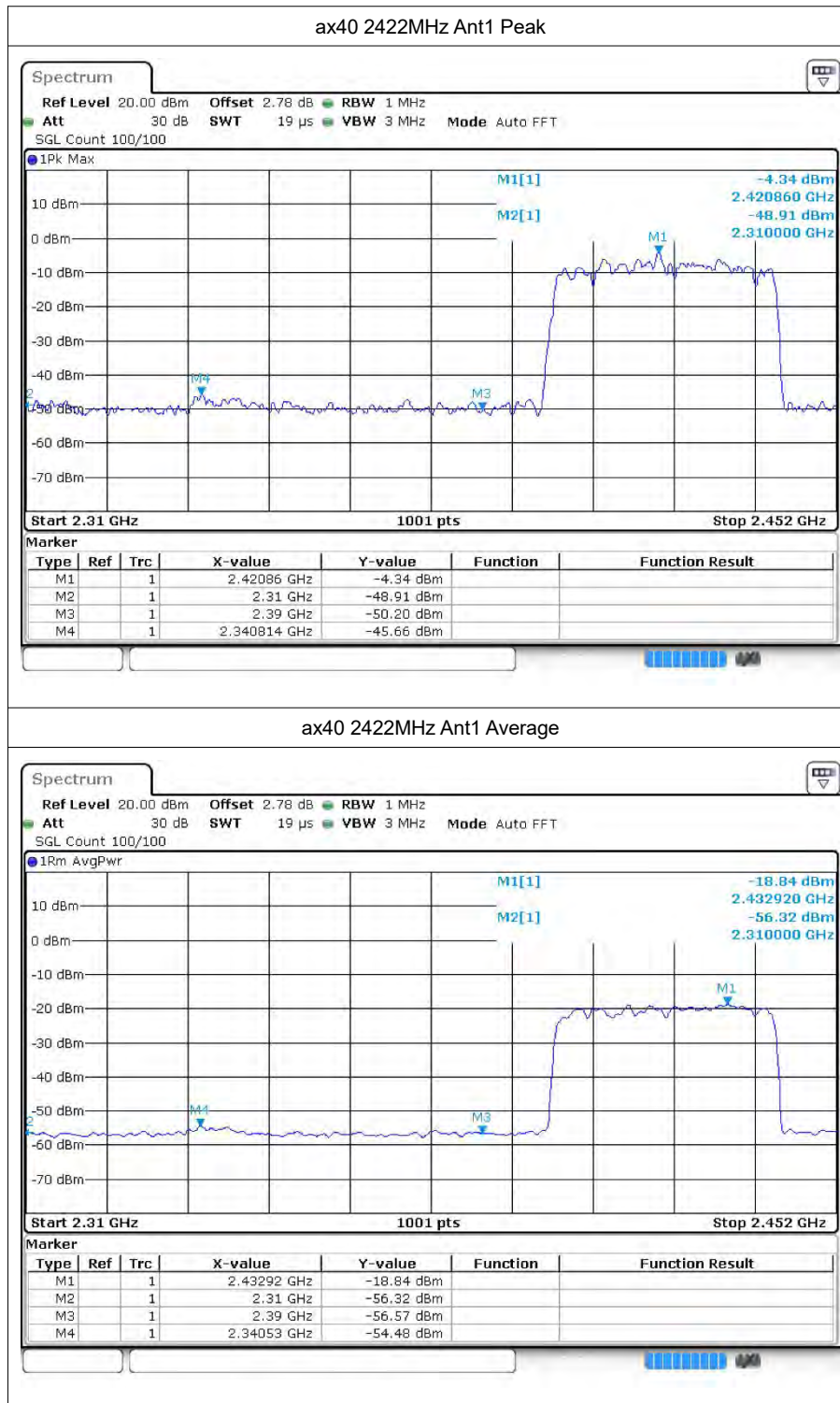
ax20 2412MHz Ant1 Peak

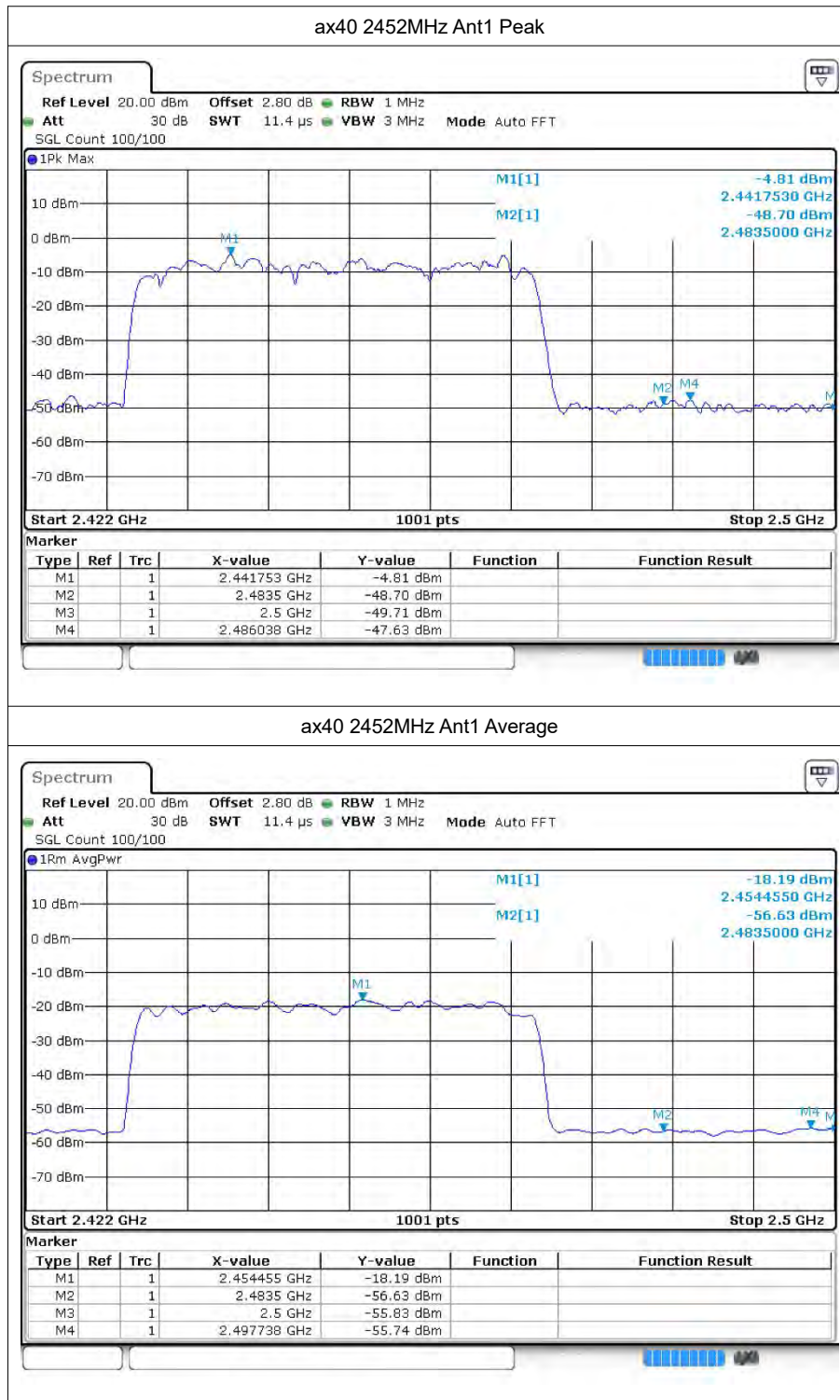


ax20 2412MHz Ant1 Average

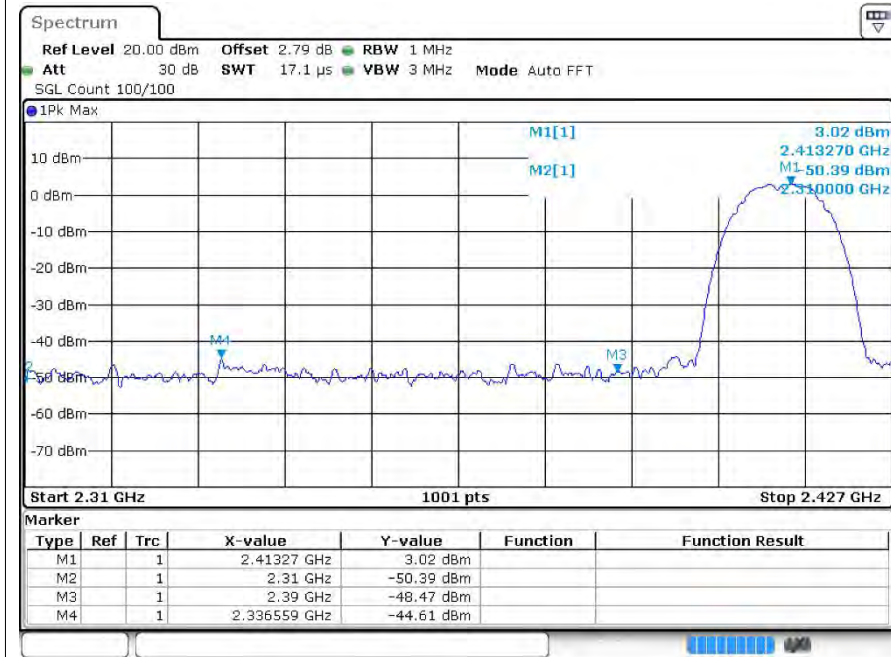




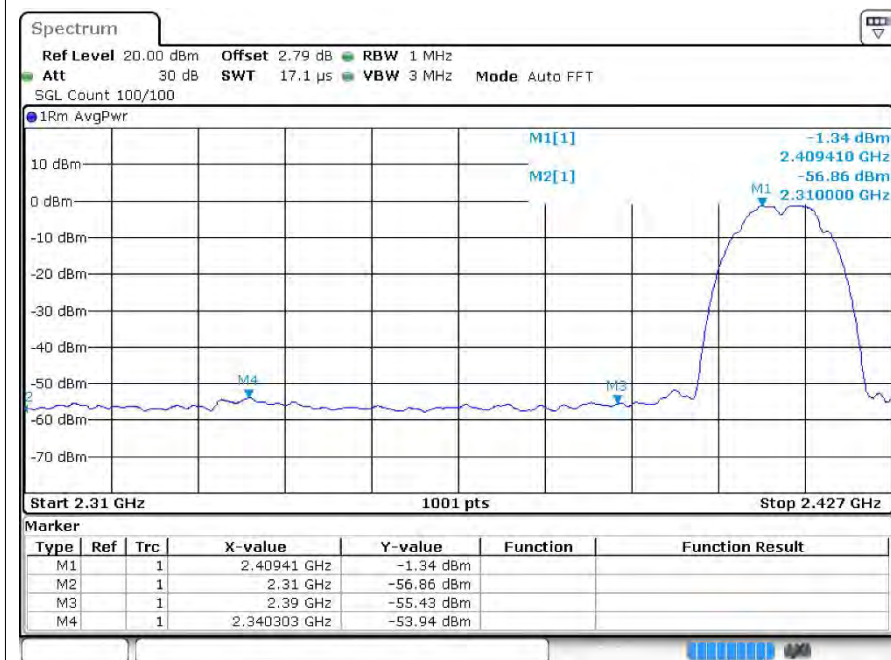


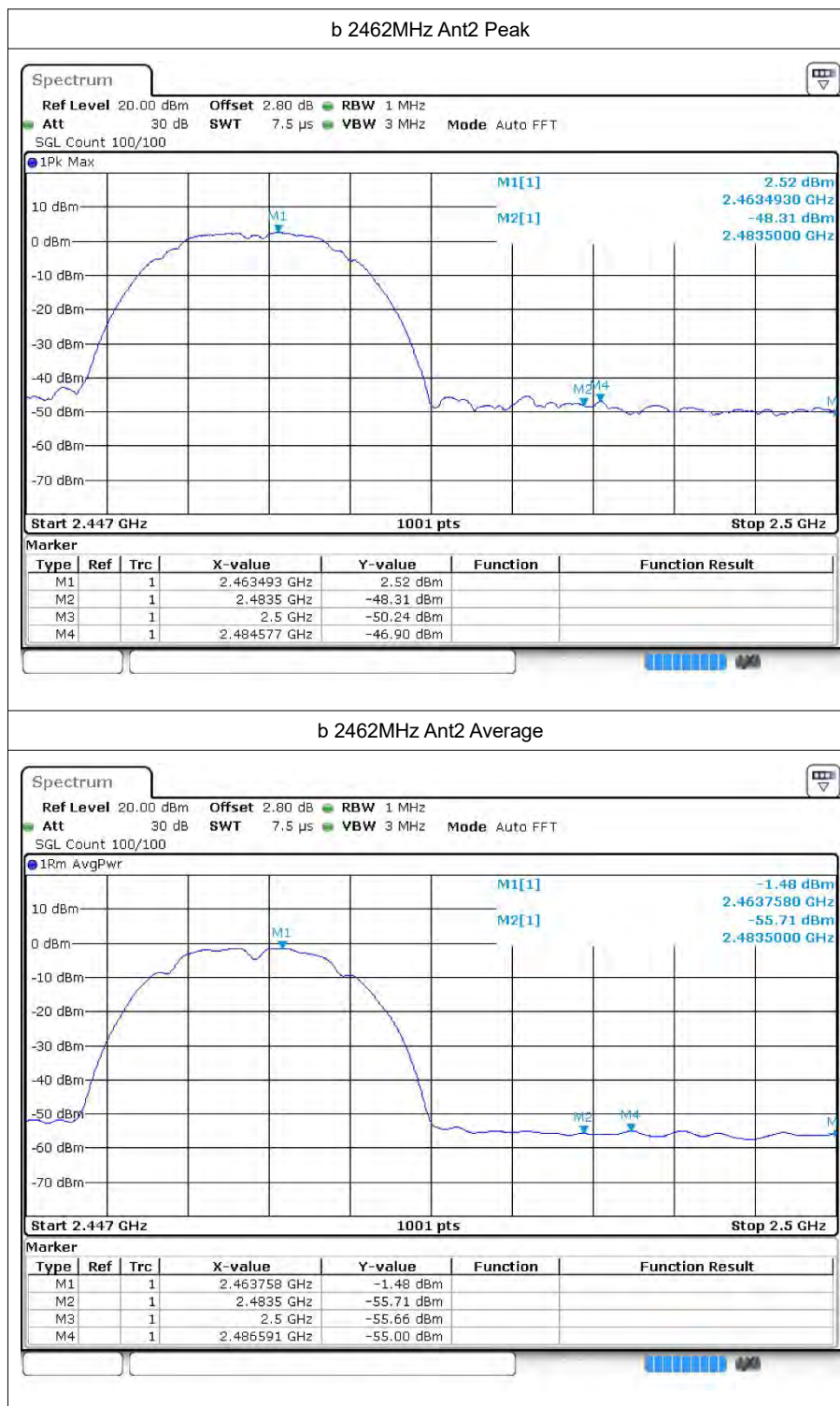


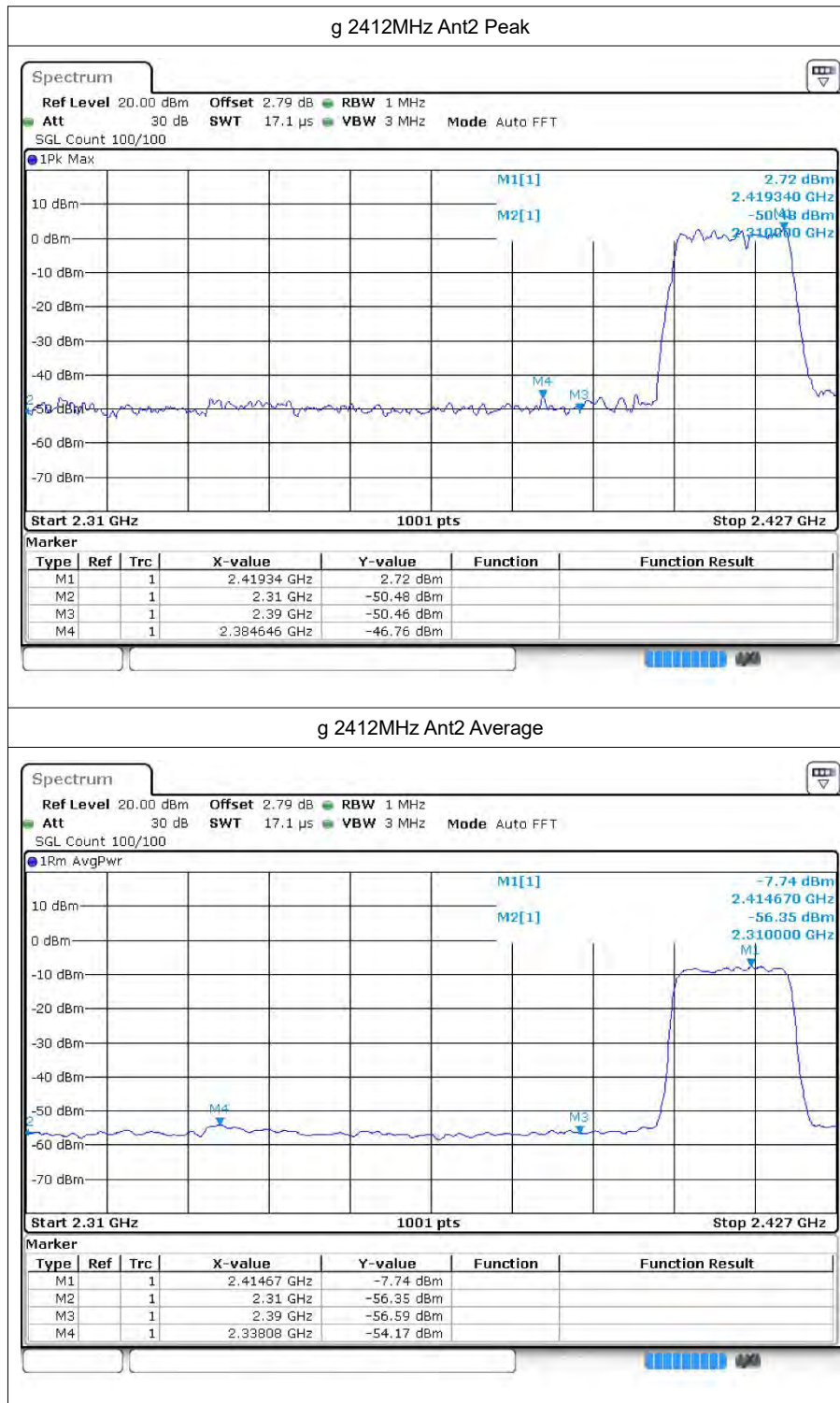
b 2412MHz Ant2 Peak



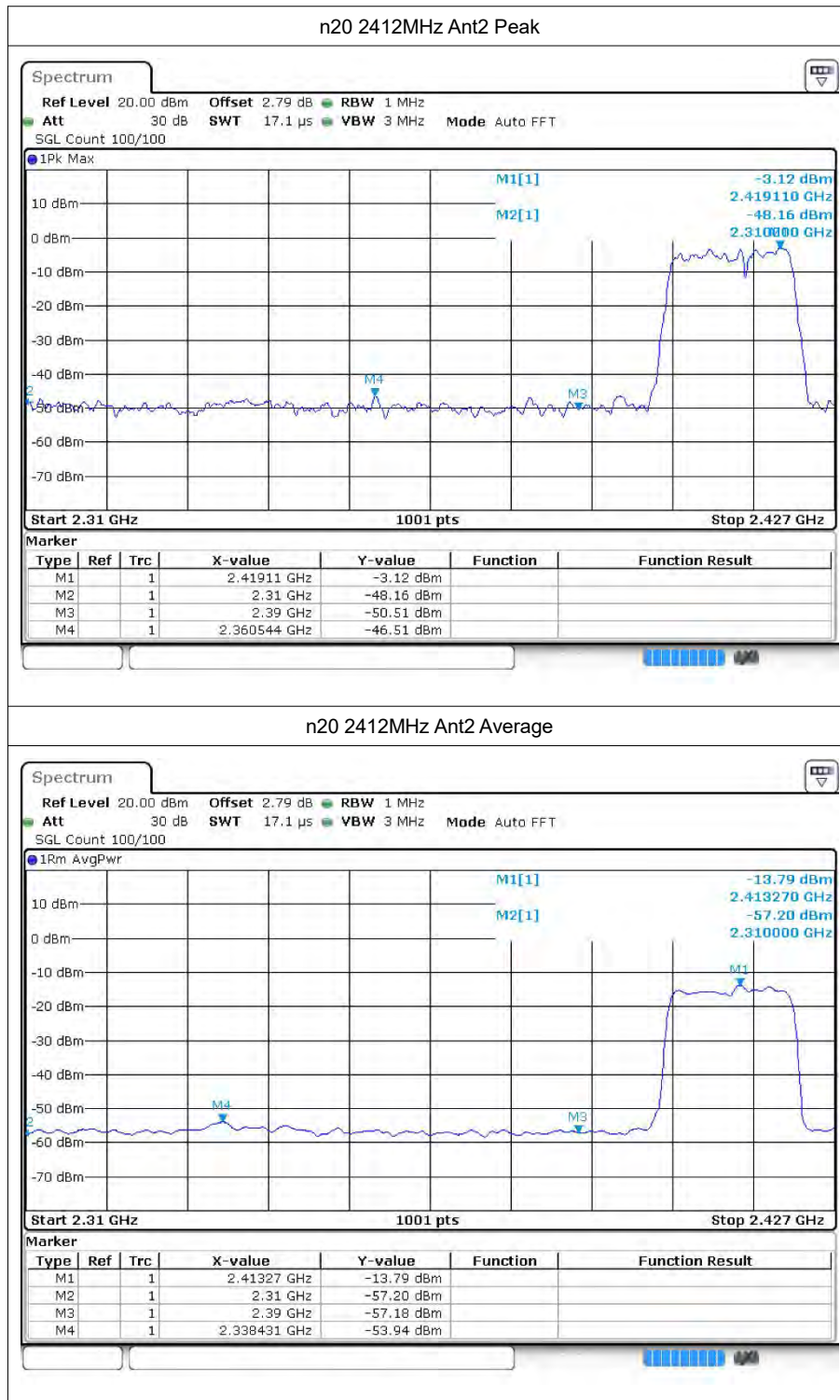
b 2412MHz Ant2 Average



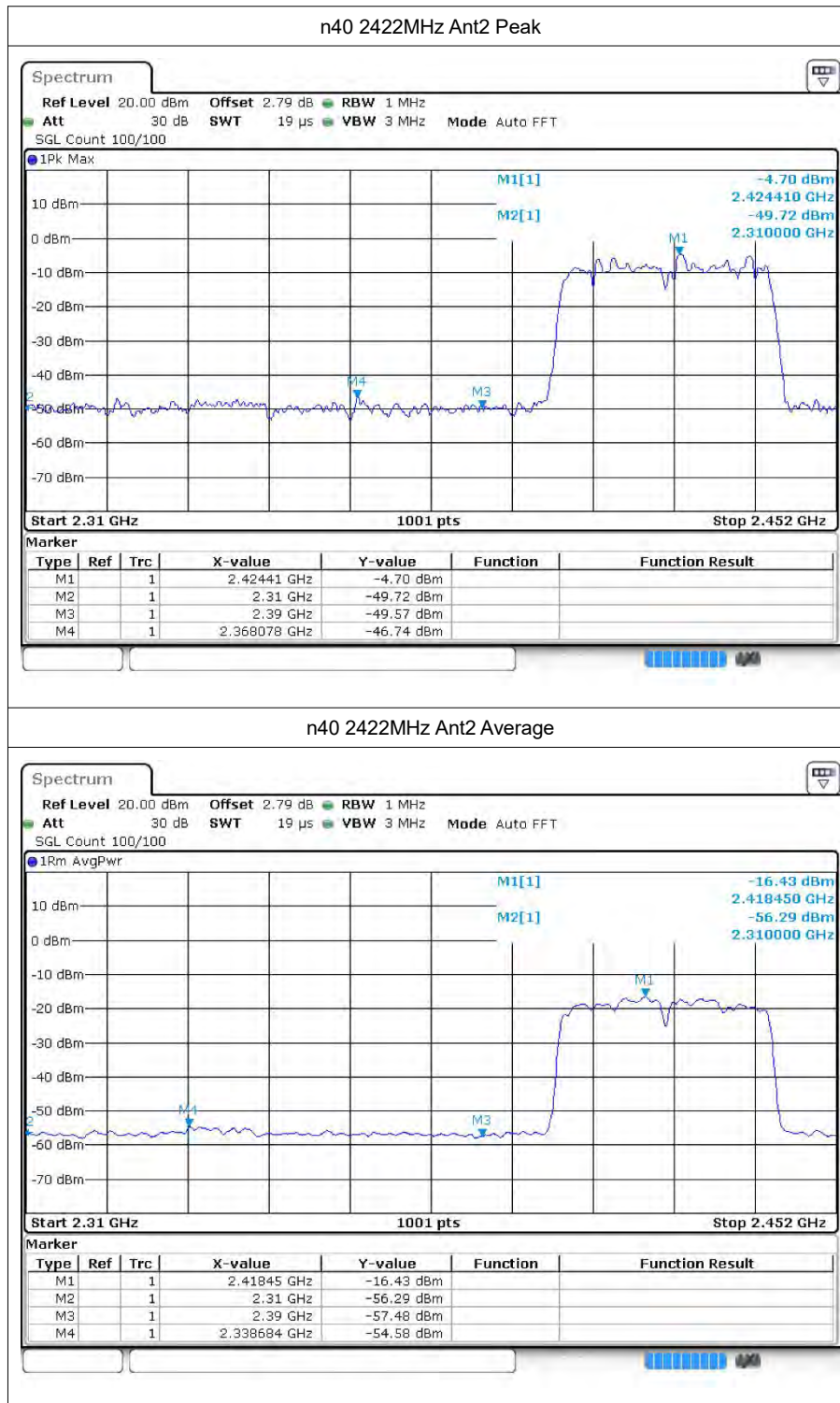


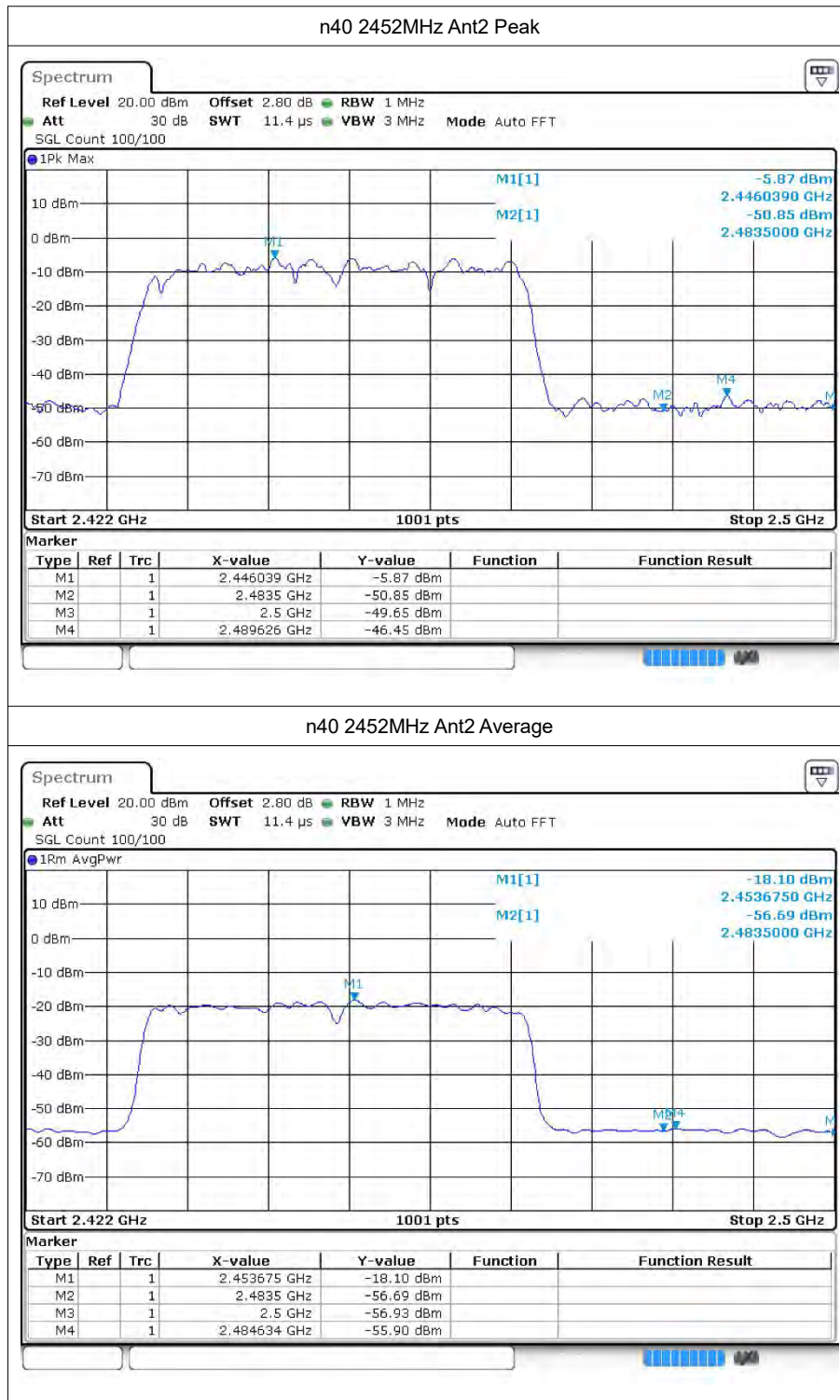






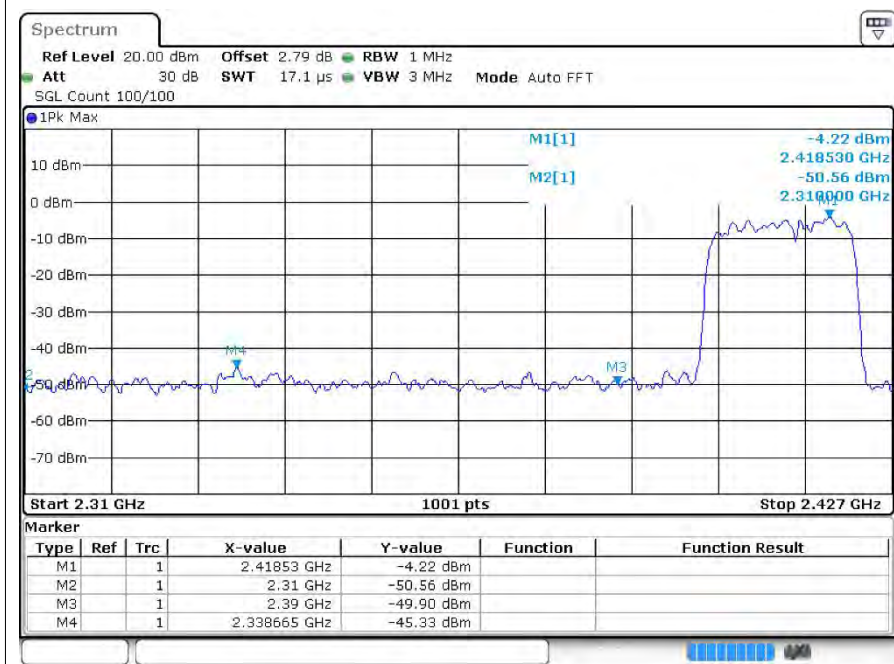




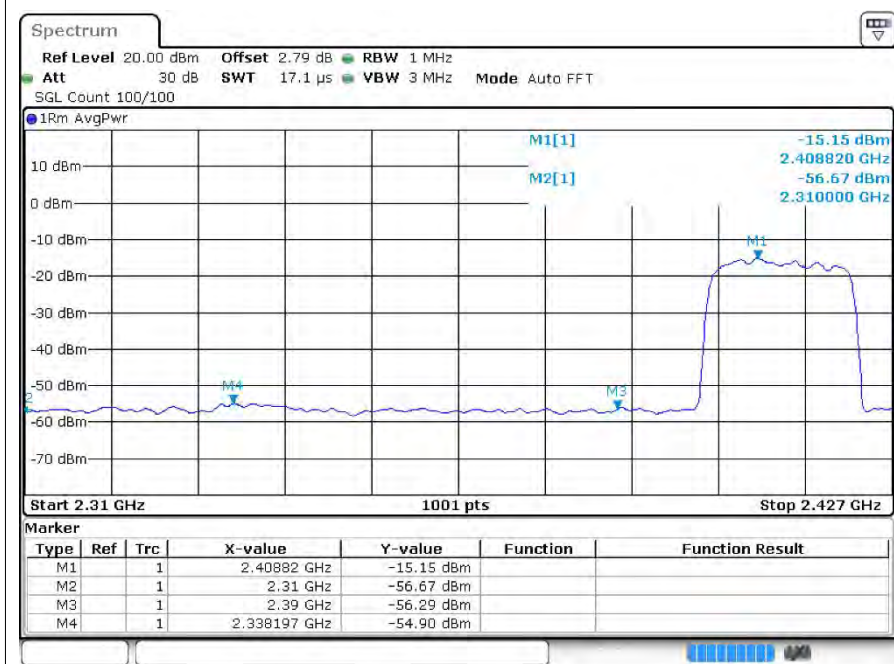




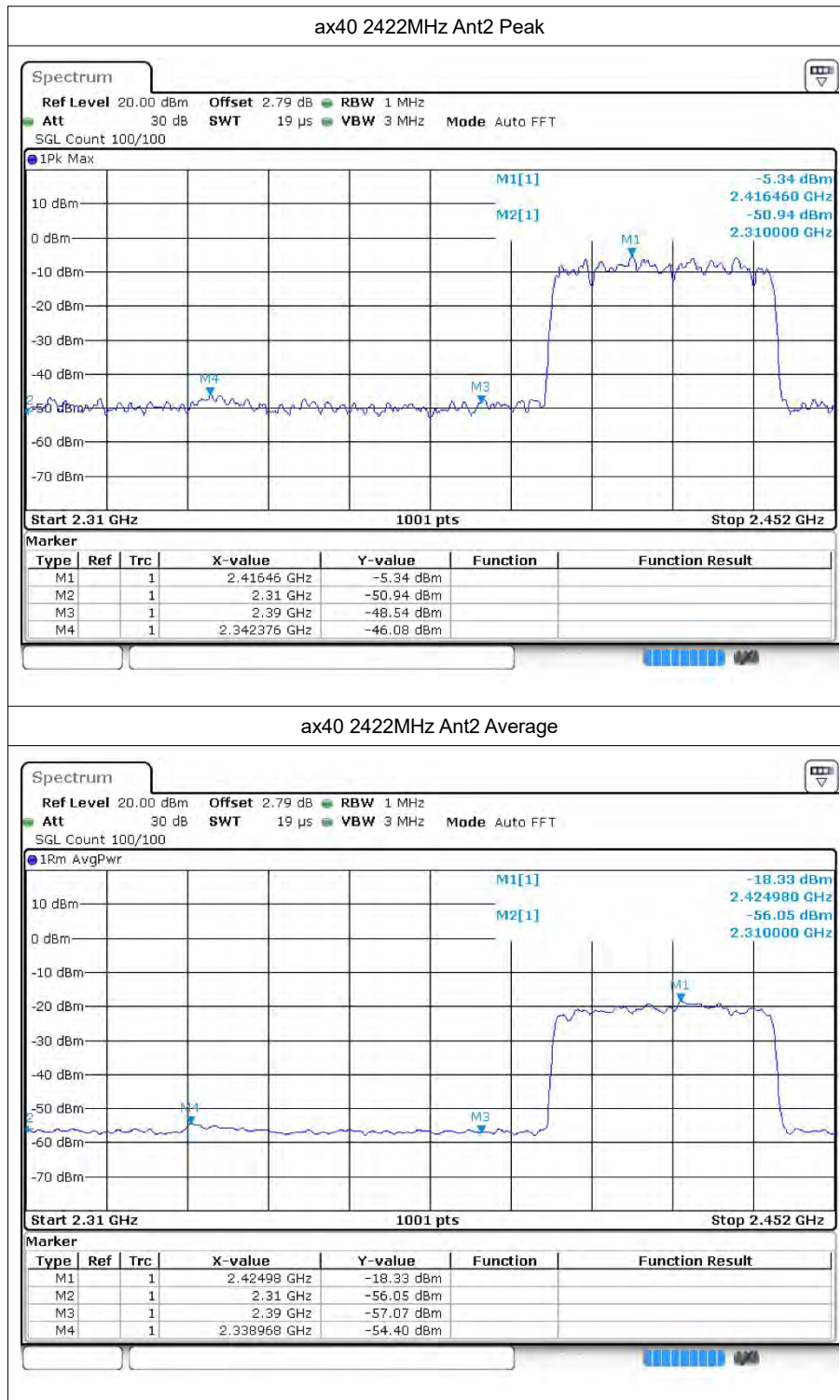
ax20 2412MHz Ant2 Peak

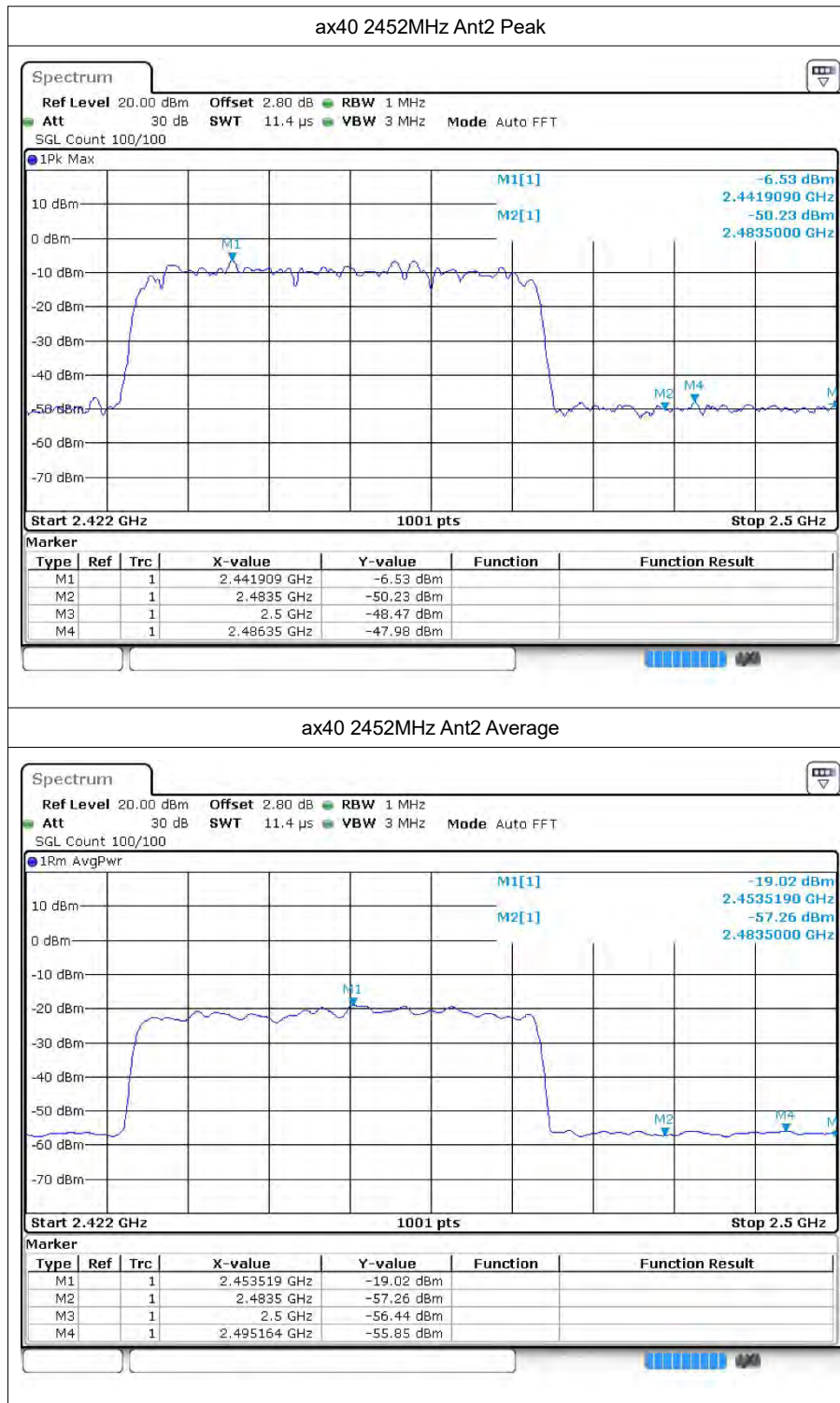


ax20 2412MHz Ant2 Average









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