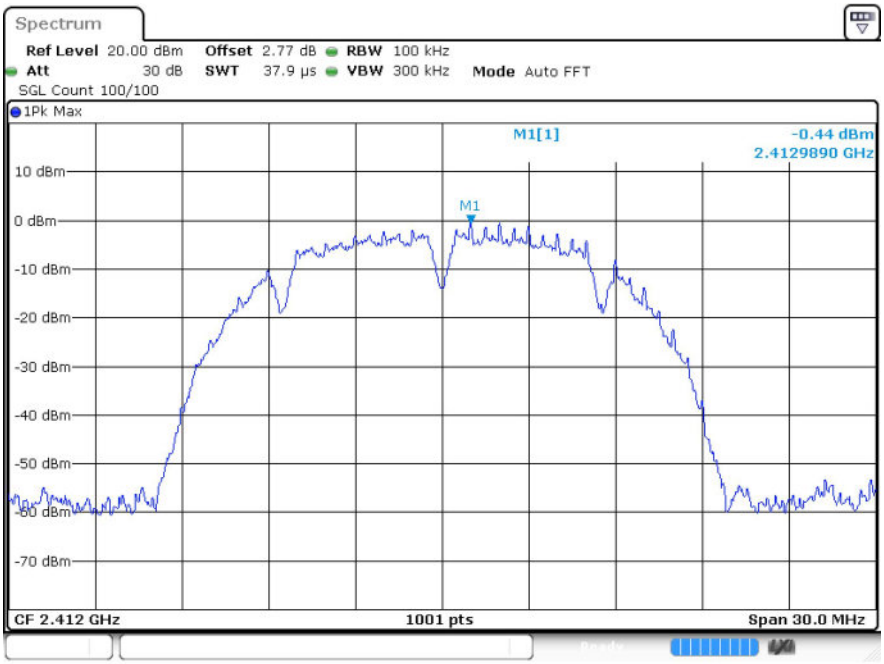
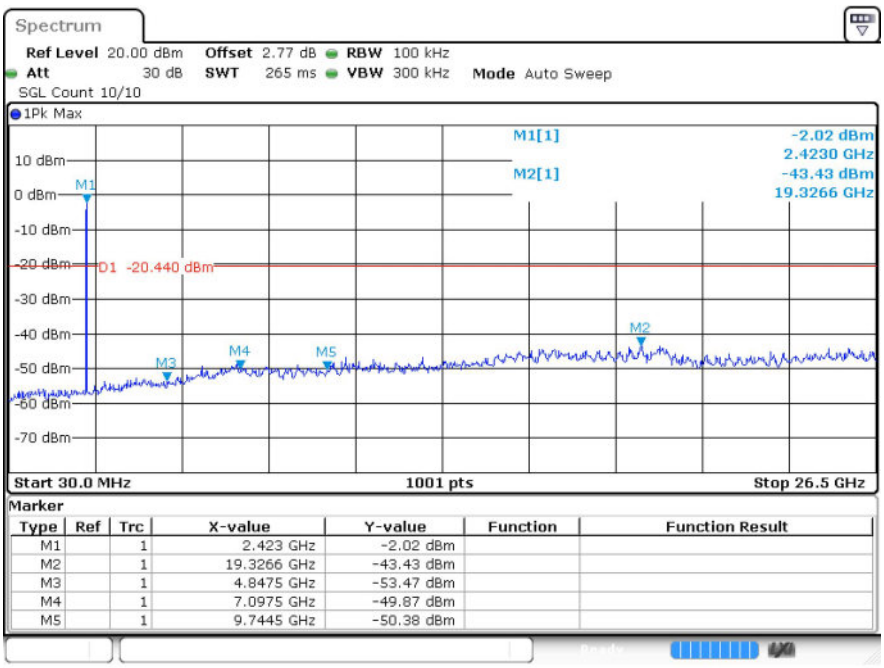
6.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref

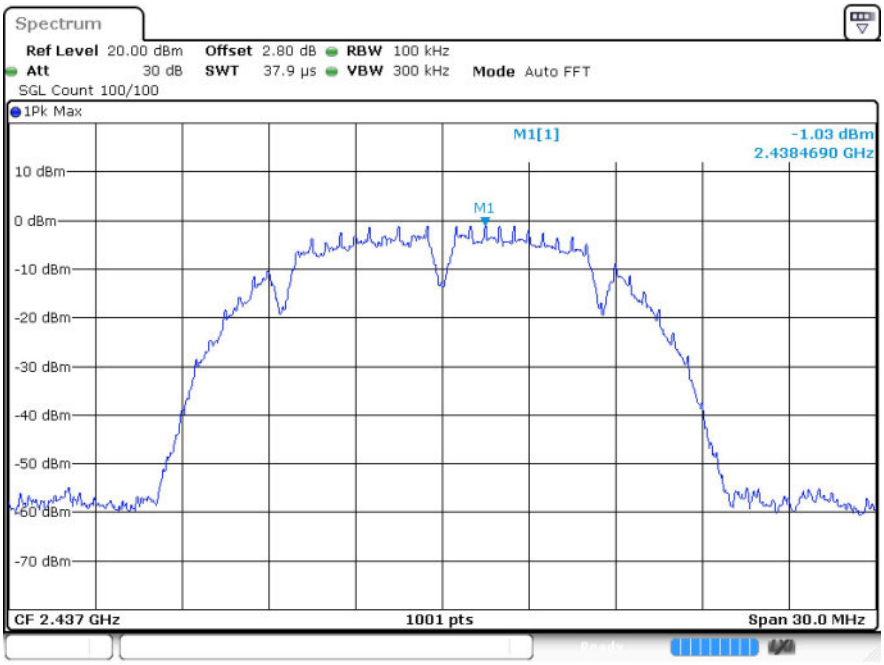


b 2412MHz Ant1 Emission

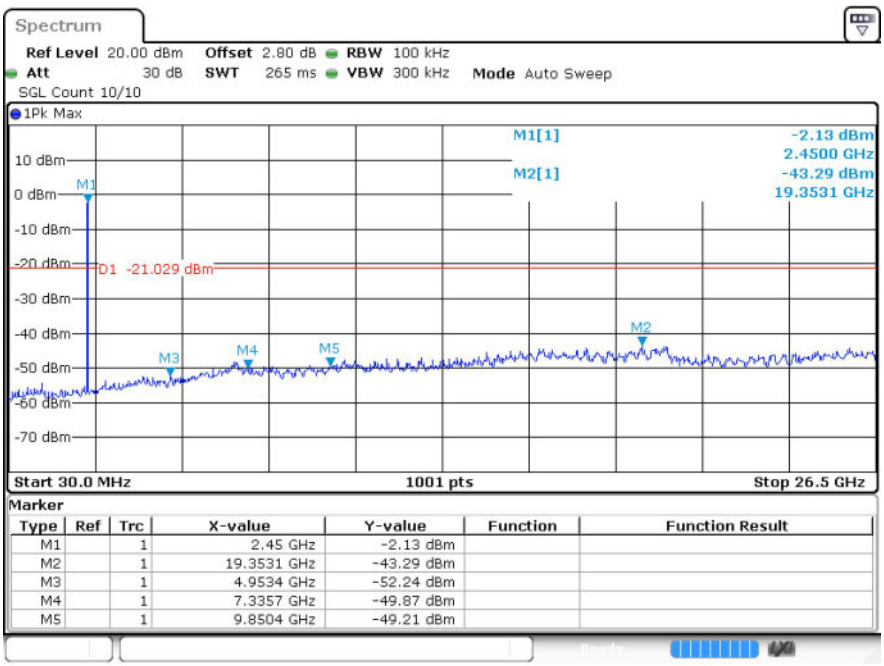


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-2.02 dBm		
M2		1	19.3266 GHz	-43.43 dBm		
M3		1	4.8475 GHz	-53.47 dBm		
M4		1	7.0975 GHz	-49.87 dBm		
M5		1	9.7445 GHz	-50.38 dBm		

b 2437MHz Ant1 Ref



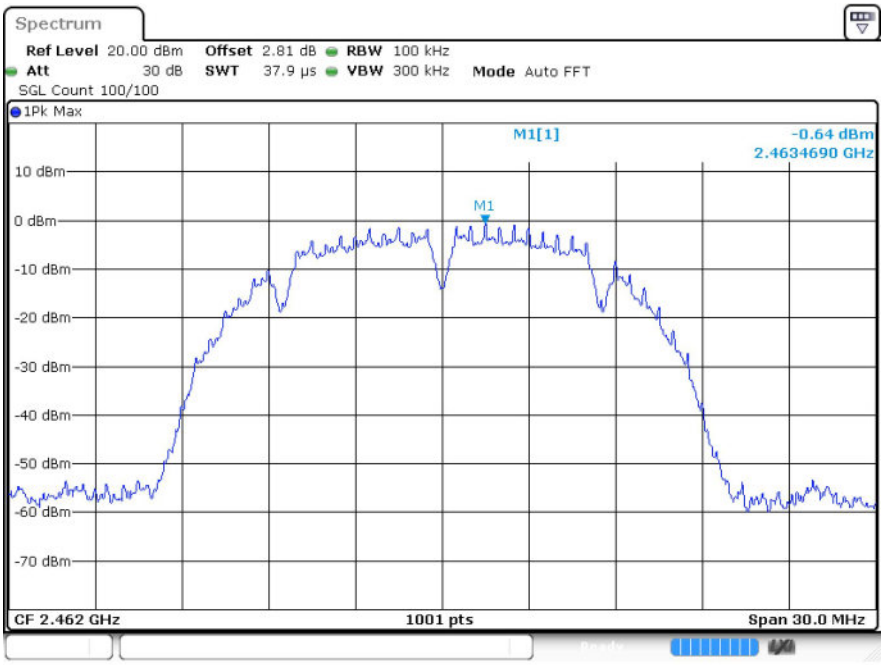
b 2437MHz Ant1 Emission



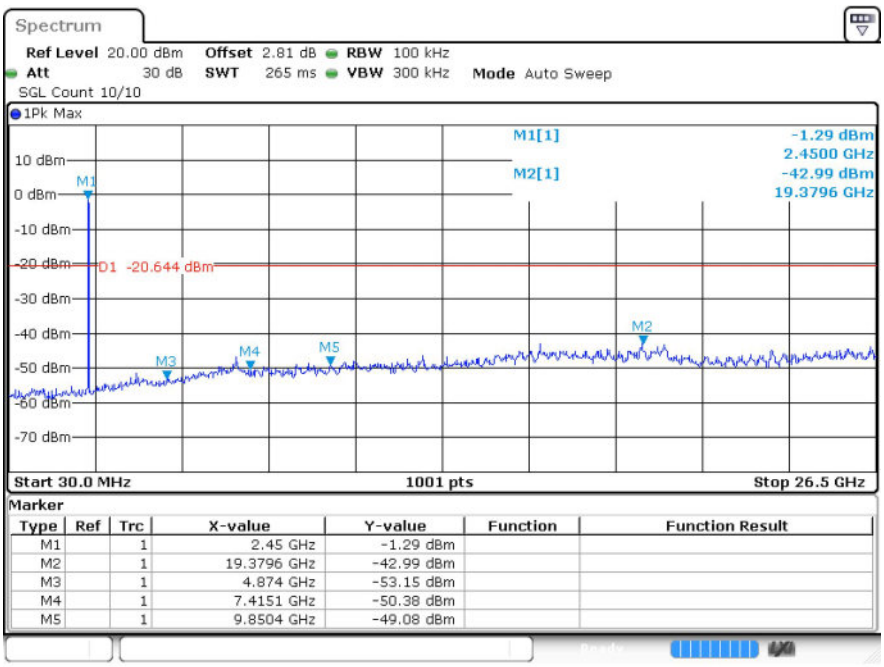
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-2.13 dBm		
M2		1	19.3531 GHz	-43.29 dBm		
M3		1	4.9534 GHz	-52.24 dBm		
M4		1	7.3357 GHz	-49.87 dBm		
M5		1	9.8504 GHz	-49.21 dBm		

b 2462MHz Ant1 Ref



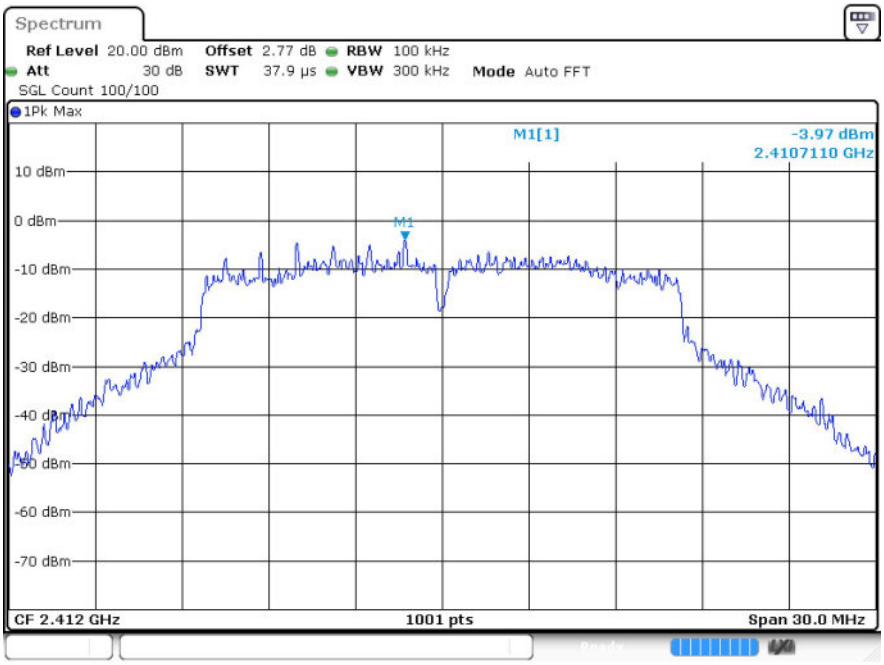
b 2462MHz Ant1 Emission



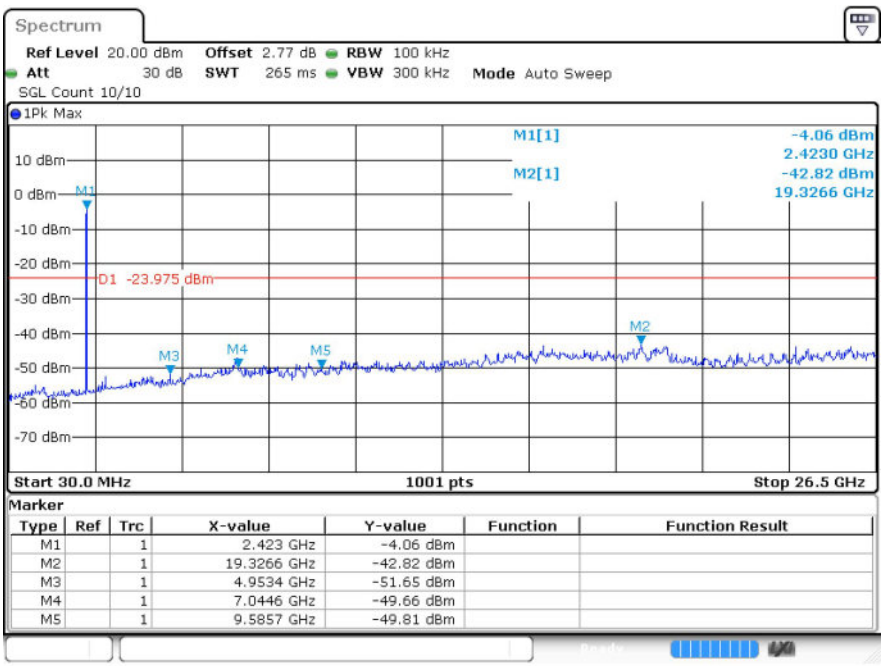
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-1.29 dBm		
M2		1	19.3796 GHz	-42.99 dBm		
M3		1	4.874 GHz	-53.15 dBm		
M4		1	7.4151 GHz	-50.38 dBm		
M5		1	9.8504 GHz	-49.08 dBm		

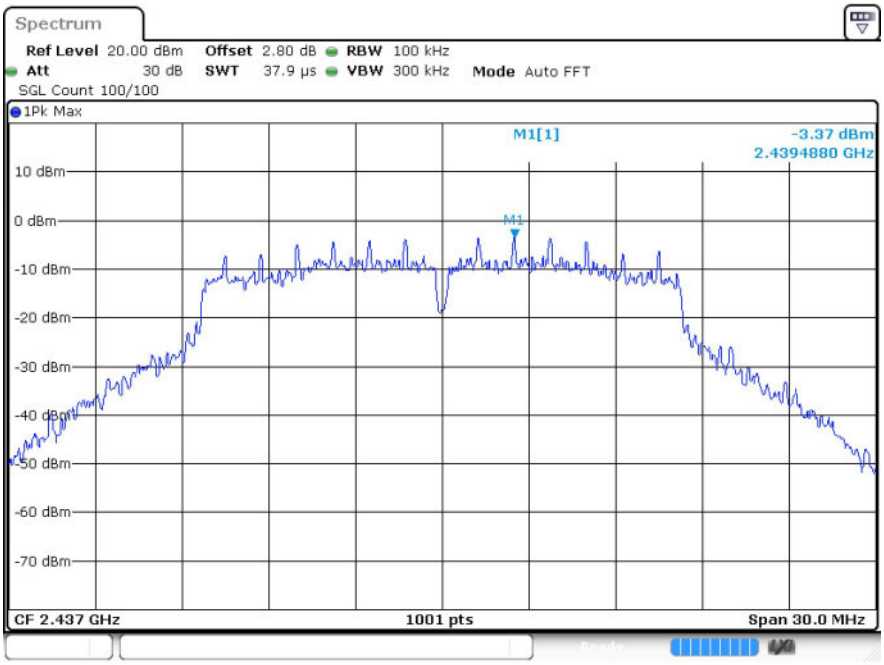
g 2412MHz Ant1 Ref



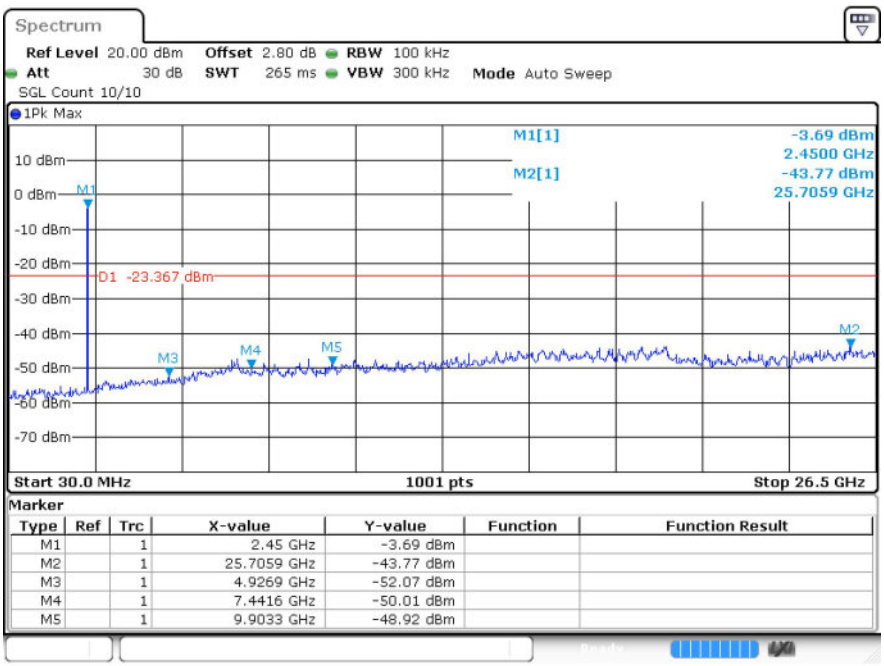
g 2412MHz Ant1 Emission



g 2437MHz Ant1 Ref



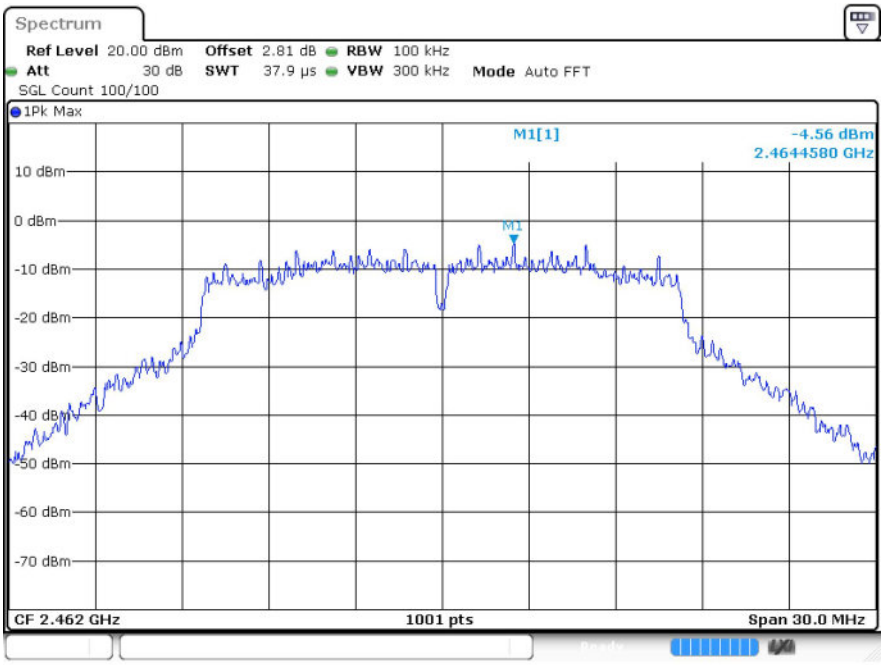
g 2437MHz Ant1 Emission



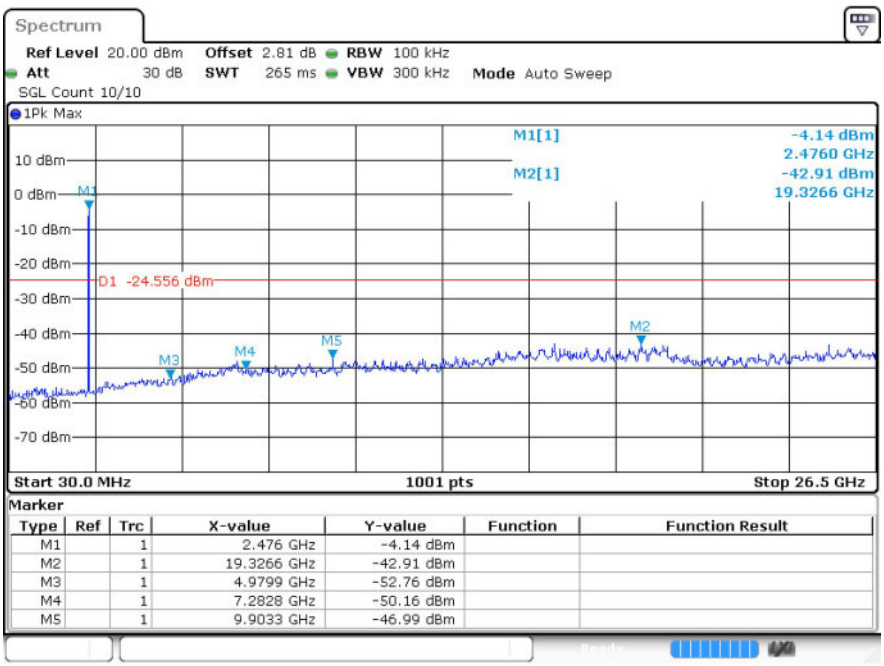
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.69 dBm		
M2		1	25.7059 GHz	-43.77 dBm		
M3		1	4.9269 GHz	-52.07 dBm		
M4		1	7.4416 GHz	-50.01 dBm		
M5		1	9.9033 GHz	-48.92 dBm		

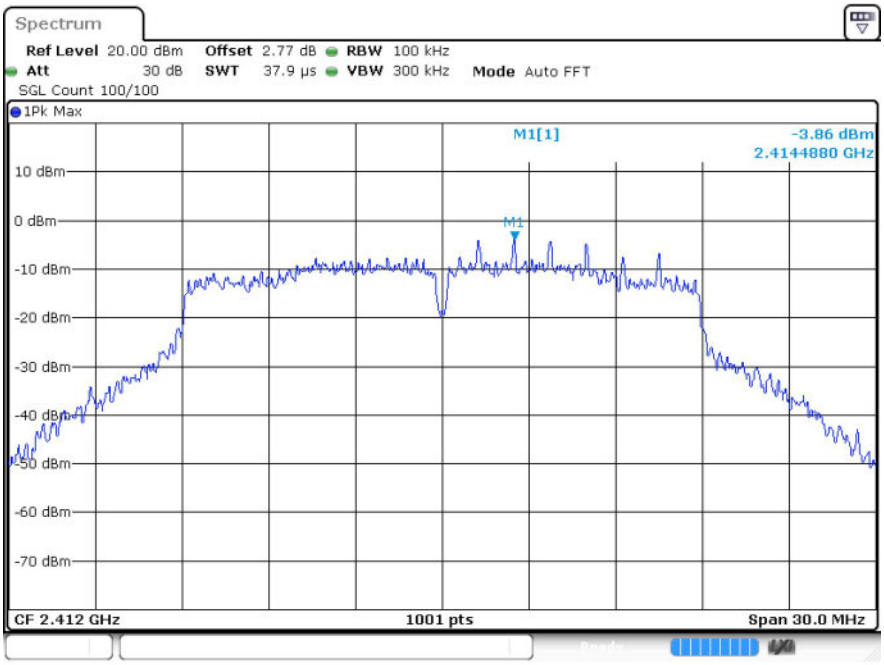
g 2462MHz Ant1 Ref



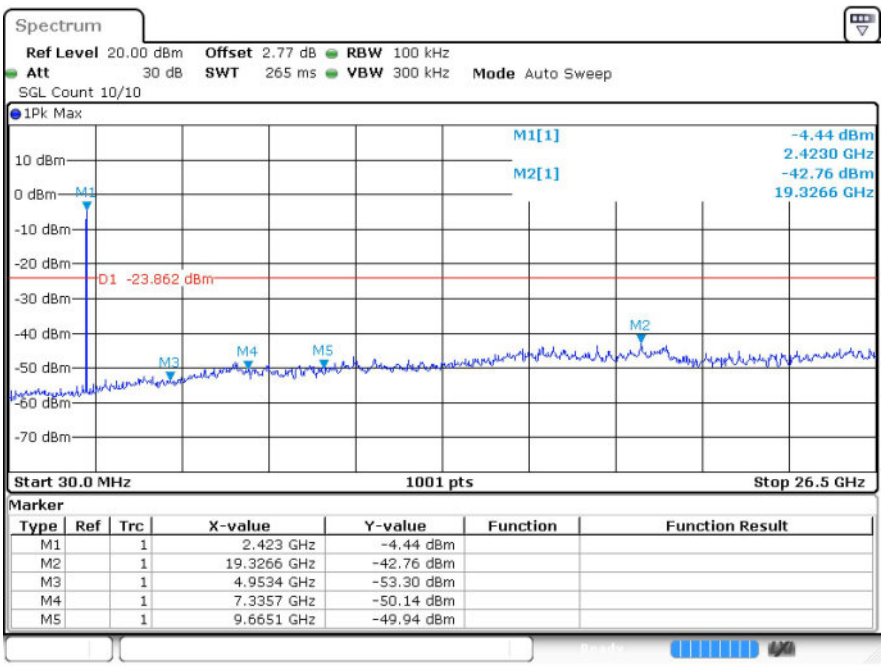
g 2462MHz Ant1 Emission



n20 2412MHz Ant1 Ref



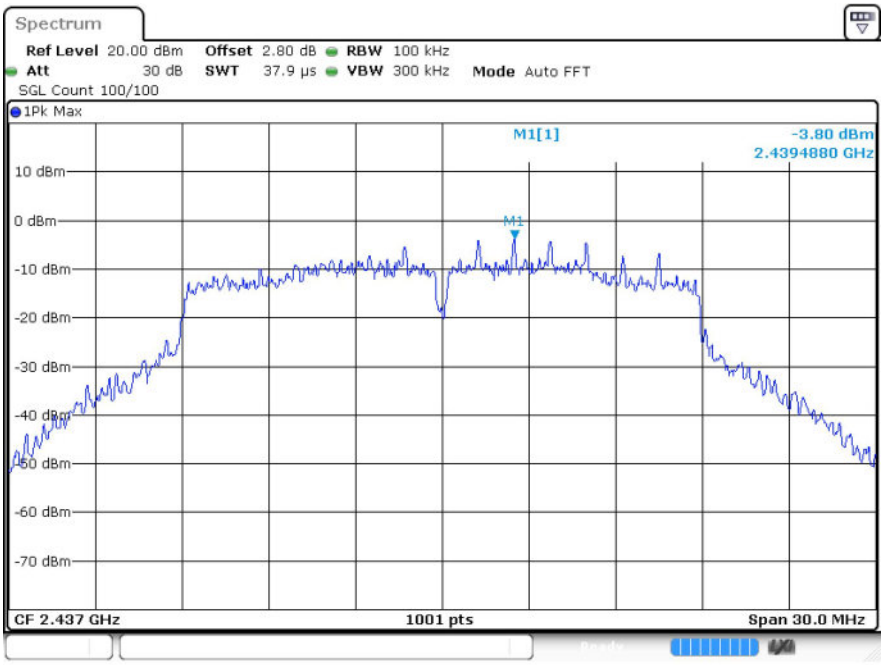
n20 2412MHz Ant1 Emission



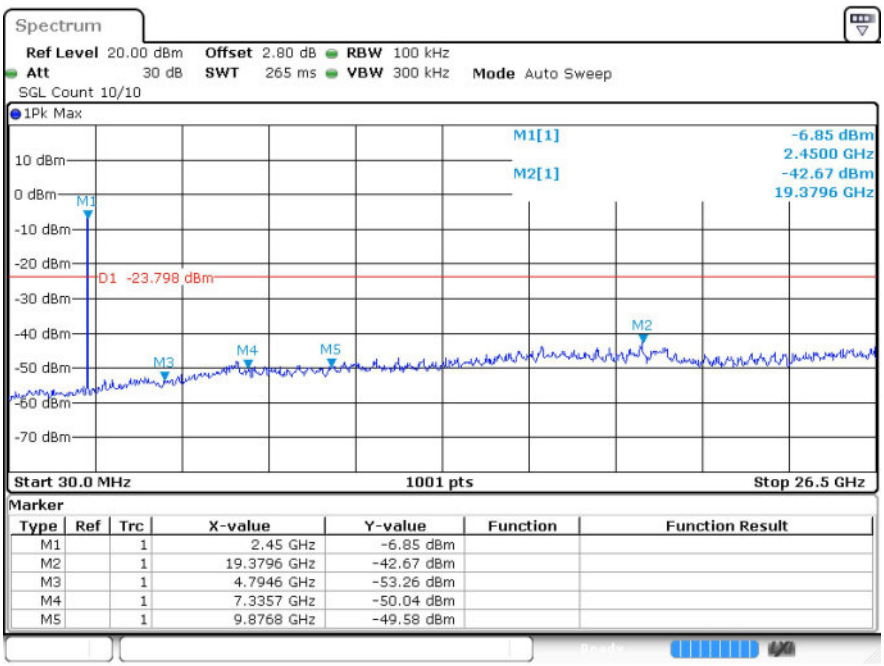
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-4.44 dBm		
M2		1	19.3266 GHz	-42.76 dBm		
M3		1	4.9534 GHz	-53.30 dBm		
M4		1	7.3357 GHz	-50.14 dBm		
M5		1	9.6651 GHz	-49.94 dBm		

n20 2437MHz Ant1 Ref



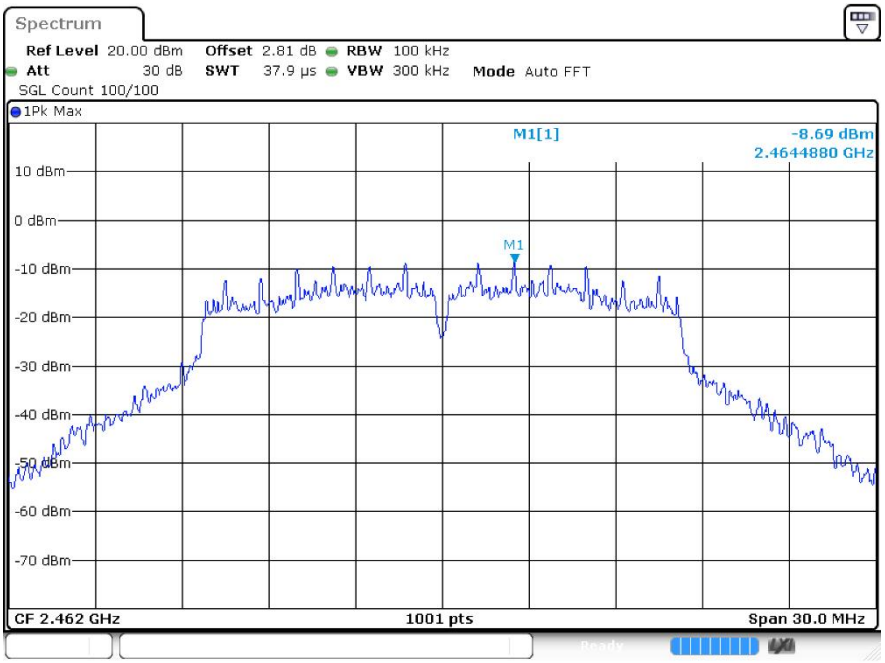
n20 2437MHz Ant1 Emission



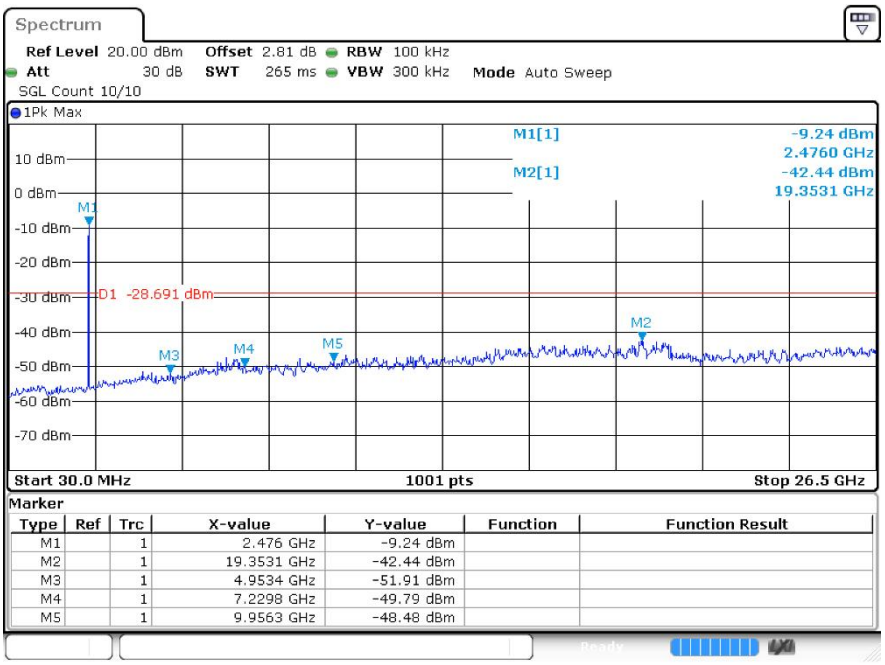
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-6.85 dBm		
M2		1	19.3796 GHz	-42.67 dBm		
M3		1	4.7946 GHz	-53.26 dBm		
M4		1	7.3357 GHz	-50.04 dBm		
M5		1	9.8768 GHz	-49.58 dBm		

n20 2462MHz Ant1 Ref

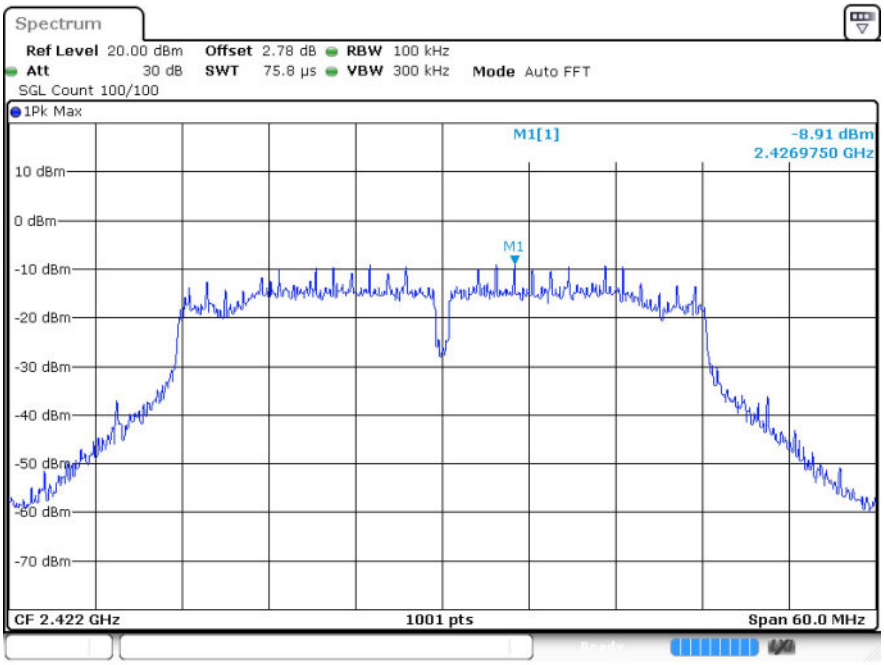


n20 2462MHz Ant1 Emission

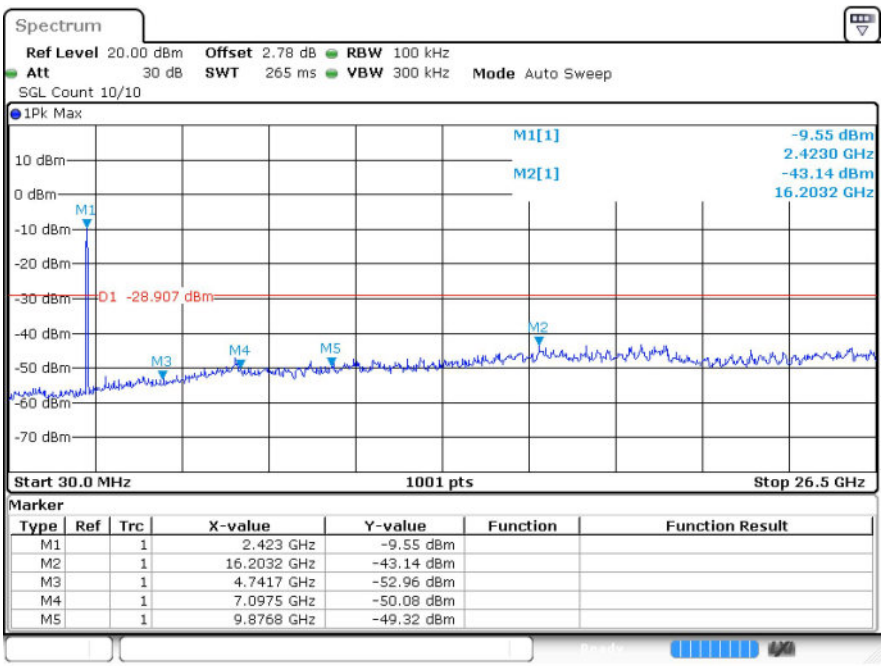


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-9.24 dBm		
M2		1	19.3531 GHz	-42.44 dBm		
M3		1	4.9534 GHz	-51.91 dBm		
M4		1	7.2298 GHz	-49.79 dBm		
M5		1	9.9563 GHz	-48.48 dBm		

n40 2422MHz Ant1 Ref



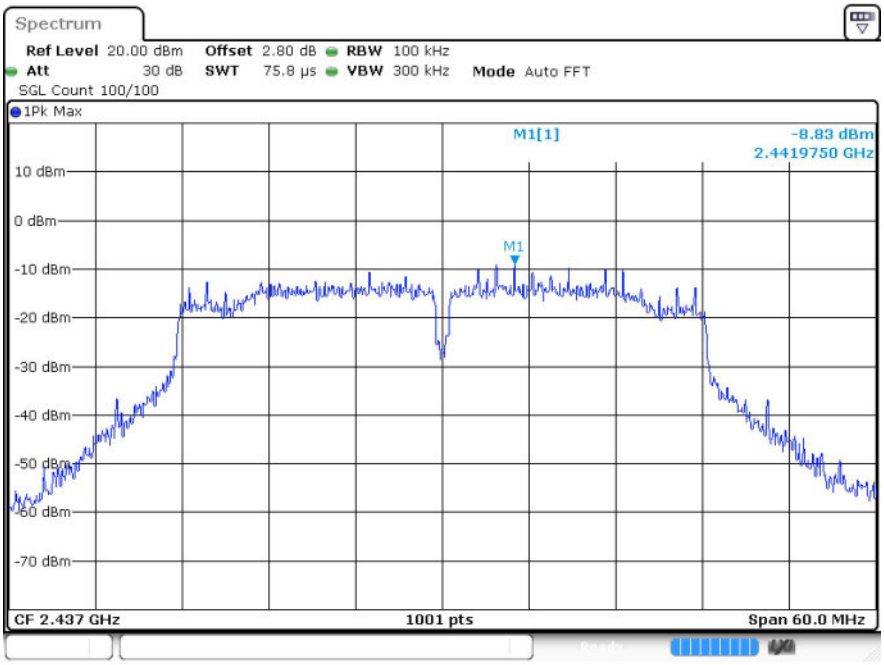
n40 2422MHz Ant1 Emission



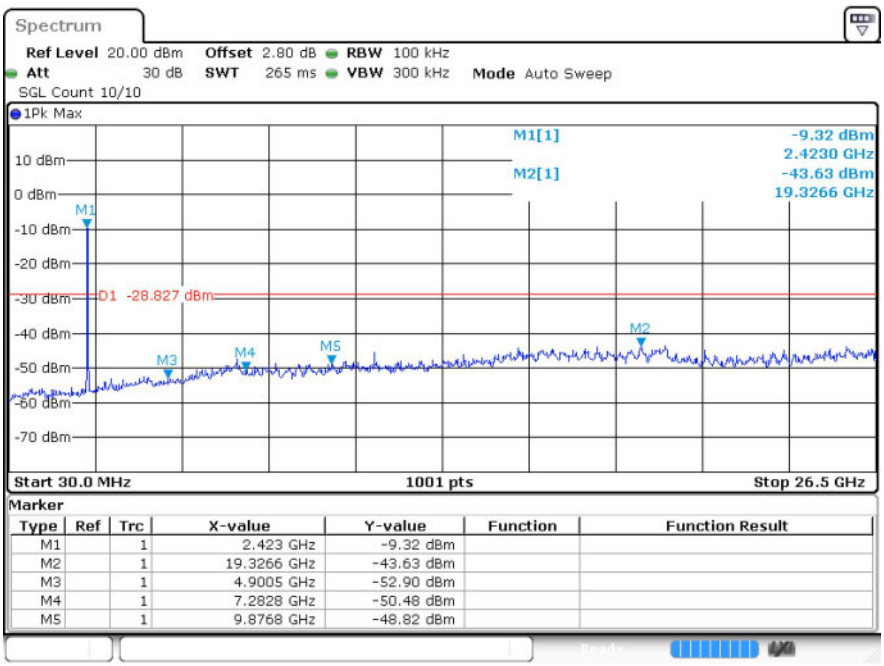
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-9.55 dBm		
M2		1	16.2032 GHz	-43.14 dBm		
M3		1	4.7417 GHz	-52.96 dBm		
M4		1	7.0975 GHz	-50.08 dBm		
M5		1	9.8768 GHz	-49.32 dBm		

n40 2437MHz Ant1 Ref



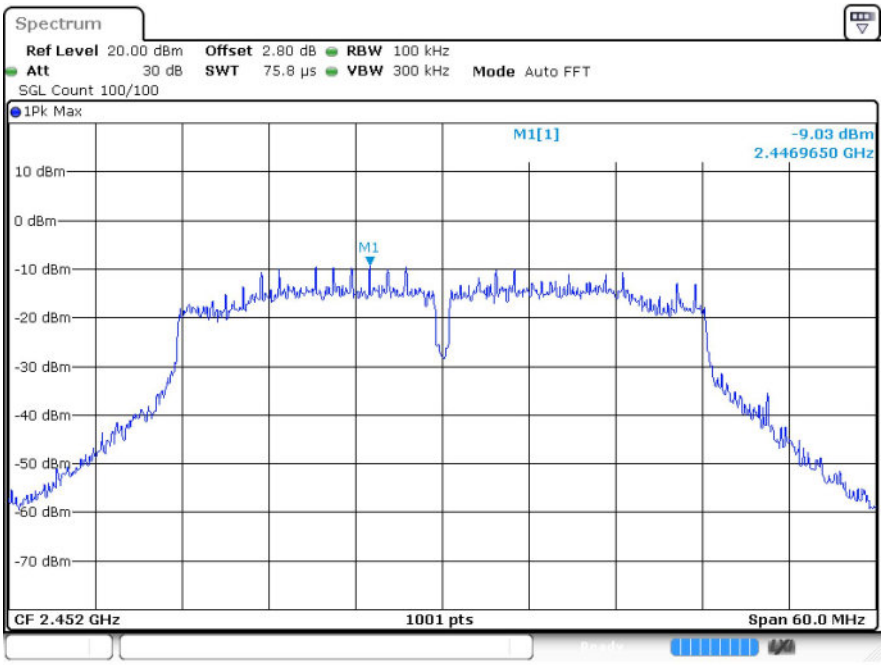
n40 2437MHz Ant1 Emission



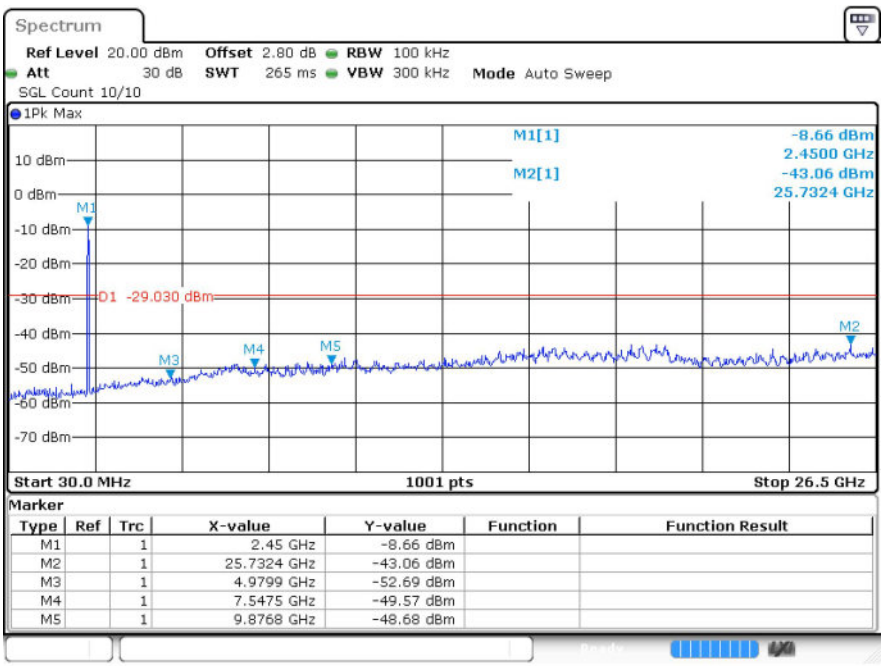
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-9.32 dBm		
M2		1	19.3266 GHz	-43.63 dBm		
M3		1	4.9005 GHz	-52.90 dBm		
M4		1	7.2828 GHz	-50.48 dBm		
M5		1	9.8768 GHz	-48.82 dBm		

n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-8.66 dBm		
M2		1	25.7324 GHz	-43.06 dBm		
M3		1	4.9799 GHz	-52.69 dBm		
M4		1	7.5475 GHz	-49.57 dBm		
M5		1	9.8768 GHz	-48.68 dBm		

7 Restrict Band

7.1 Test Result

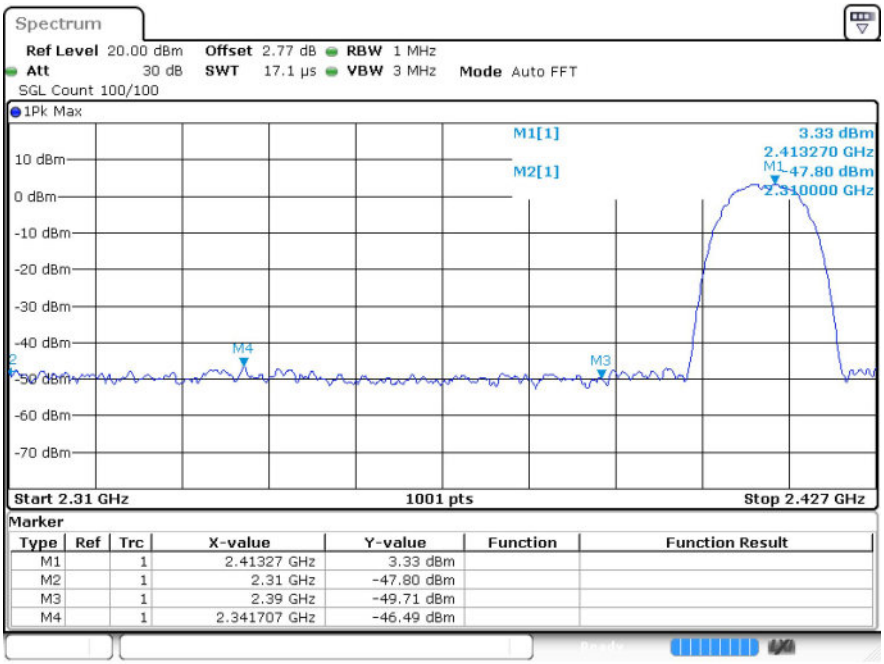
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-47.8	2.36	49.79	Peak	74	Pass
b	2412	Ant1	2310	-58.81	2.36	38.78	Average	54	Pass
b	2412	Ant1	2341.707	-46.48	2.36	51.11	Peak	74	Pass
b	2412	Ant1	2336.559	-56.82	2.36	40.77	Average	54	Pass
b	2412	Ant1	2390	-49.71	2.36	47.88	Peak	74	Pass
b	2412	Ant1	2390	-58.9	2.36	38.69	Average	54	Pass
b	2462	Ant1	2483.5	-46.62	2.36	50.97	Peak	74	50.64
b	2462	Ant1	2483.5	-58.33	2.36	39.26	Average	54	Pass
b	2462	Ant1	2487.598	-44.82	2.36	52.77	Peak	74	Pass
b	2462	Ant1	2483.517	-58.33	2.36	39.26	Average	54	Pass
b	2462	Ant1	2500	-49.2	2.36	48.39	Peak	74	Pass
b	2462	Ant1	2500	-58.66	2.36	38.93	Average	54	Pass
g	2412	Ant1	2310	-51.25	2.36	46.34	Peak	74	Pass
g	2412	Ant1	2310	-57.82	2.36	39.77	Average	54	Pass
g	2412	Ant1	2340.303	-45.73	2.36	51.86	Peak	74	Pass
g	2412	Ant1	2336.559	-55.54	2.36	42.05	Average	54	Pass
g	2412	Ant1	2390	-48.44	2.36	49.15	Peak	74	Pass
g	2412	Ant1	2390	-57.39	2.36	40.20	Average	54	Pass
g	2462	Ant1	2483.5	-47.37	2.36	50.22	Peak	74	Pass
g	2462	Ant1	2483.5	-57.07	2.36	40.52	Average	54	Pass
g	2462	Ant1	2487.598	-47.37	2.36	50.22	Peak	74	Pass
g	2462	Ant1	2498.94	-56.54	2.36	41.05	Average	54	Pass
g	2462	Ant1	2500	-51.08	2.36	46.51	Peak	74	Pass
g	2462	Ant1	2500	-56.77	2.36	40.82	Average	54	Pass
n20	2412	Ant1	2310	-49.53	2.36	48.06	Peak	74	Pass
n20	2412	Ant1	2310	-57.73	2.36	39.86	Average	54	Pass
n20	2412	Ant1	2389.326	-46.6	2.36	50.99	Peak	74	Pass
n20	2412	Ant1	2336.559	-55.6	2.36	41.99	Average	54	Pass
n20	2412	Ant1	2390	-48.84	2.36	48.75	Peak	74	Pass
n20	2412	Ant1	2390	-57.49	2.36	40.10	Average	54	Pass
n20	2462	Ant1	2483.5	-47.98	2.36	49.61	Peak	74	Pass
n20	2462	Ant1	2483.5	-55.93	2.36	41.66	Average	54	Pass
n20	2462	Ant1	2498.198	-45.48	2.36	52.11	Peak	74	Pass
n20	2462	Ant1	2488.34	-54.69	2.36	42.90	Average	54	Pass

n20	2462	Ant1	2500	-49.7	2.36	47.89	Peak	74	Pass
n20	2462	Ant1	2500	-55.87	2.36	41.72	Average	54	Pass
n40	2422	Ant1	2310	-48.76	2.36	48.83	Peak	74	Pass
n40	2422	Ant1	2310	-57.41	2.36	40.18	Average	54	Pass
n40	2422	Ant1	2389.662	-46.58	2.36	51.01	Peak	74	Pass
n40	2422	Ant1	2340.388	-55.43	2.36	42.16	Average	54	Pass
n40	2422	Ant1	2390	-47.97	2.36	49.62	Peak	74	Pass
n40	2422	Ant1	2390	-57.74	2.36	39.85	Average	54	Pass
n40	2452	Ant1	2483.5	-47.47	2.36	50.12	Peak	74	Pass
n40	2452	Ant1	2483.5	-56.73	2.36	40.86	Average	54	Pass
n40	2452	Ant1	2490.484	-47.01	2.36	50.58	Peak	74	Pass
n40	2452	Ant1	2485.492	-56.35	2.36	41.24	Average	54	Pass
n40	2452	Ant1	2500	-48.94	2.36	48.65	Peak	74	Pass
n40	2452	Ant1	2500	-57.34	2.36	40.25	Average	54	Pass

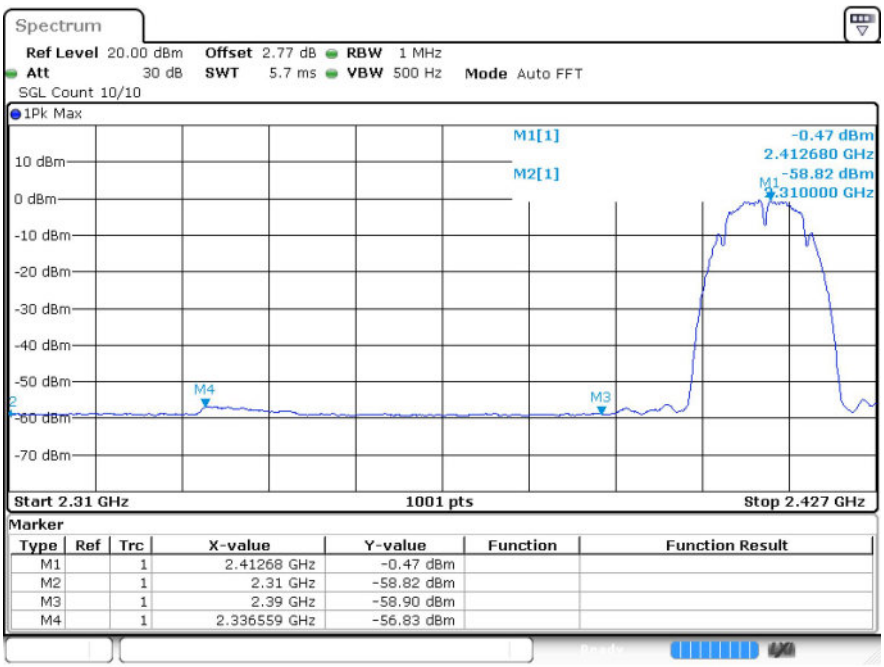
7.2 Test Graphs

Test Graphs

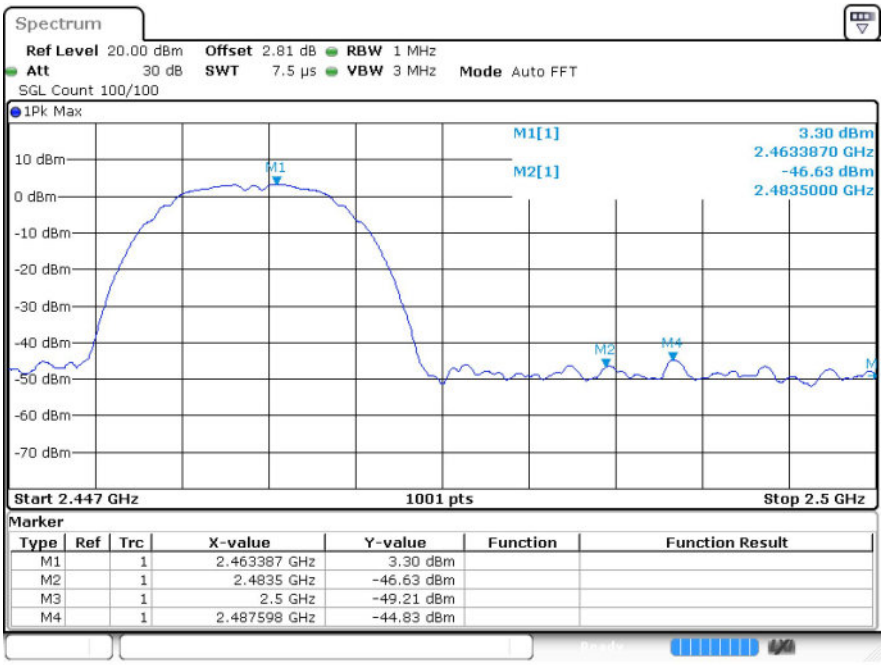
b 2412MHz Ant1 Peak



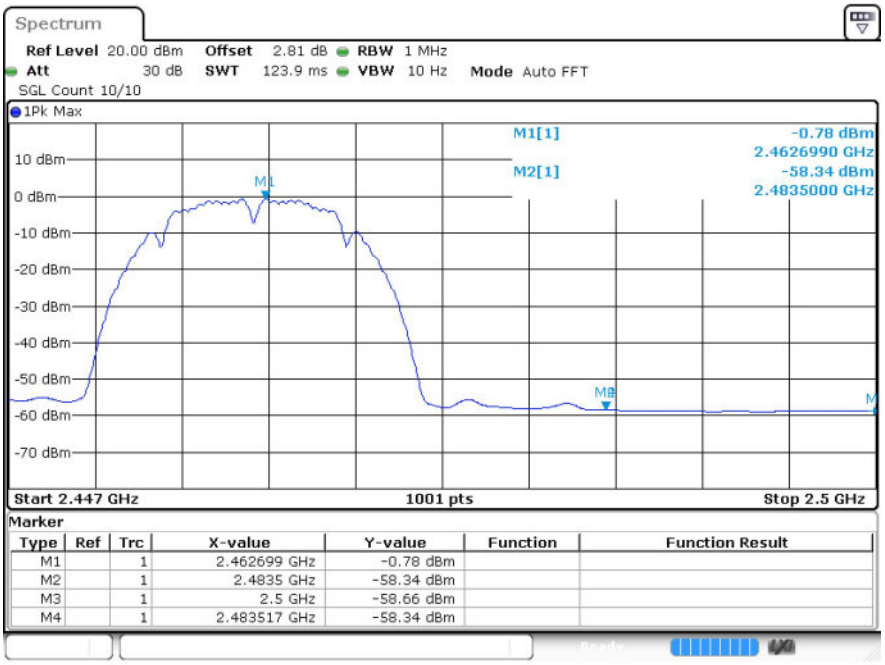
b 2412MHz Ant1 Average



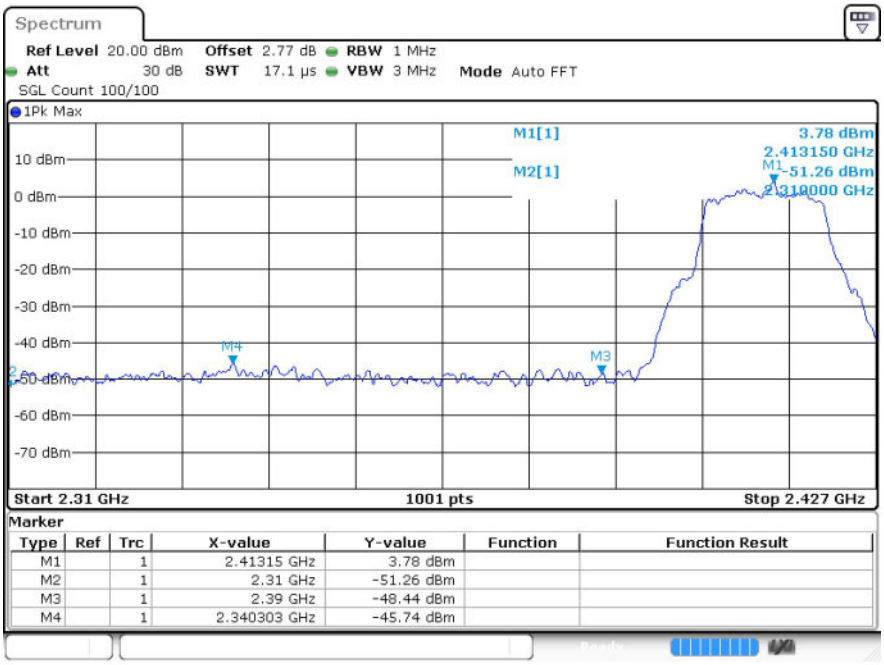
b 2462MHz Ant1 Peak



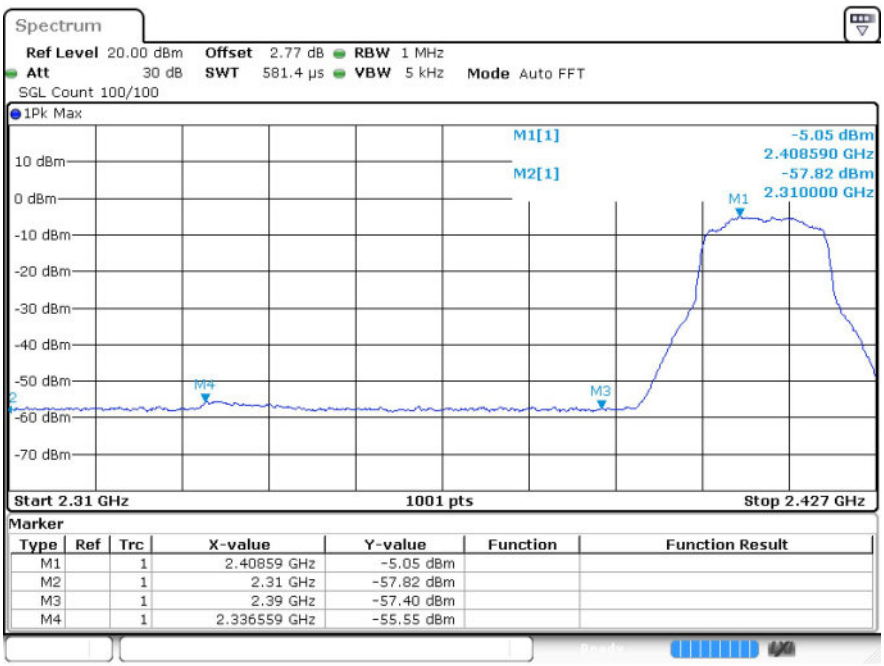
b 2462MHz Ant1 Average



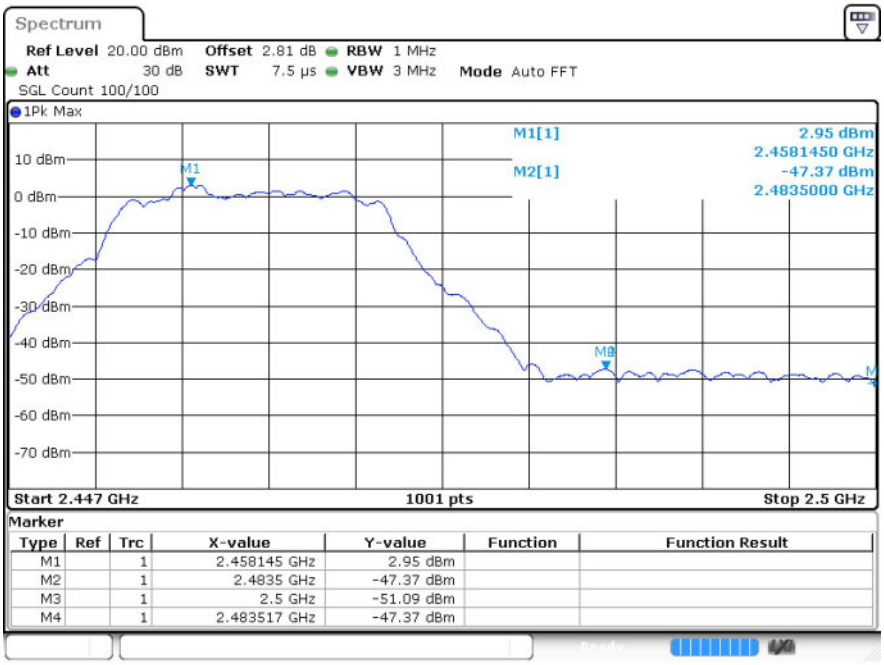
g 2412MHz Ant1 Peak



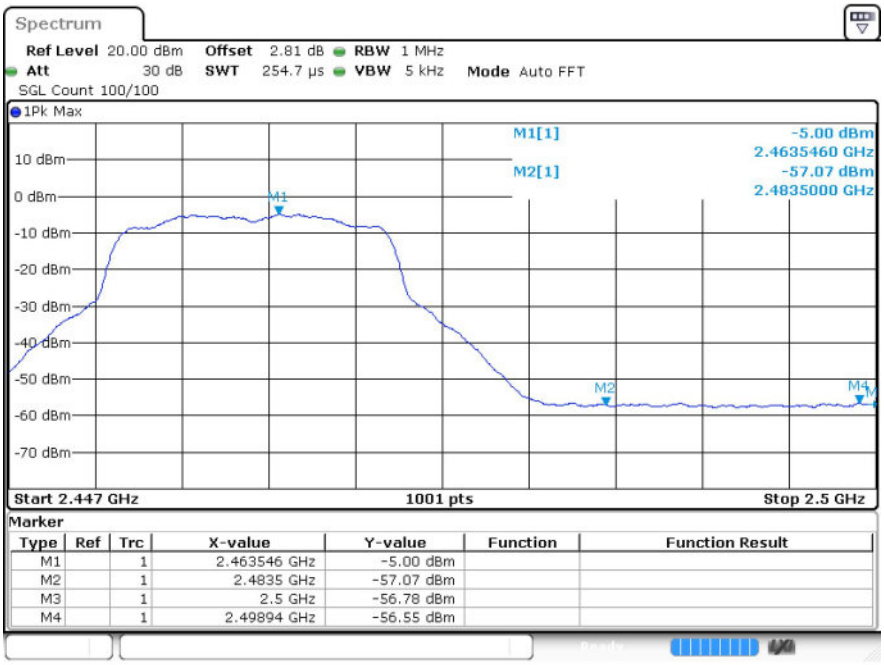
g 2412MHz Ant1 Average



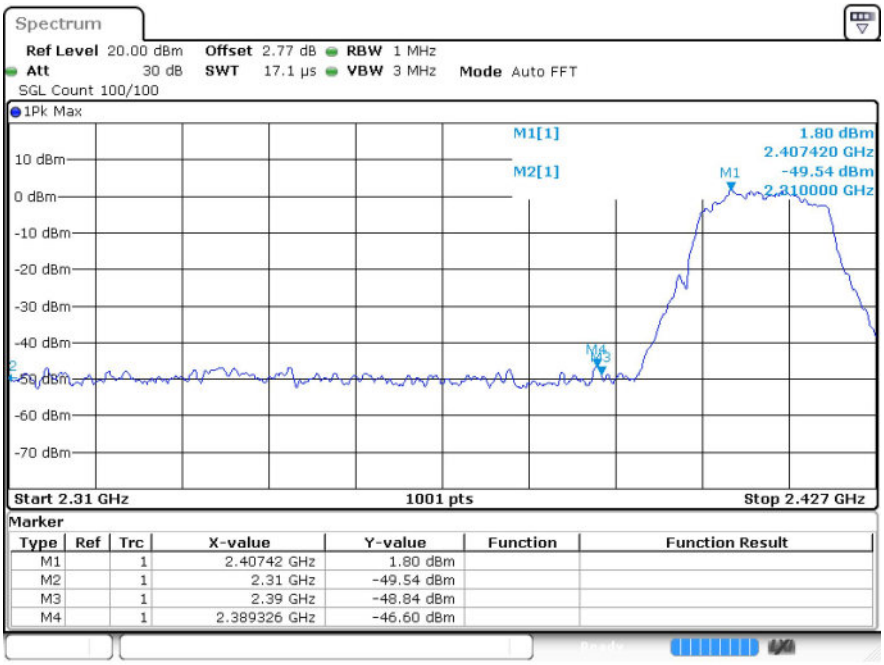
g 2462MHz Ant1 Peak



g 2462MHz Ant1 Average



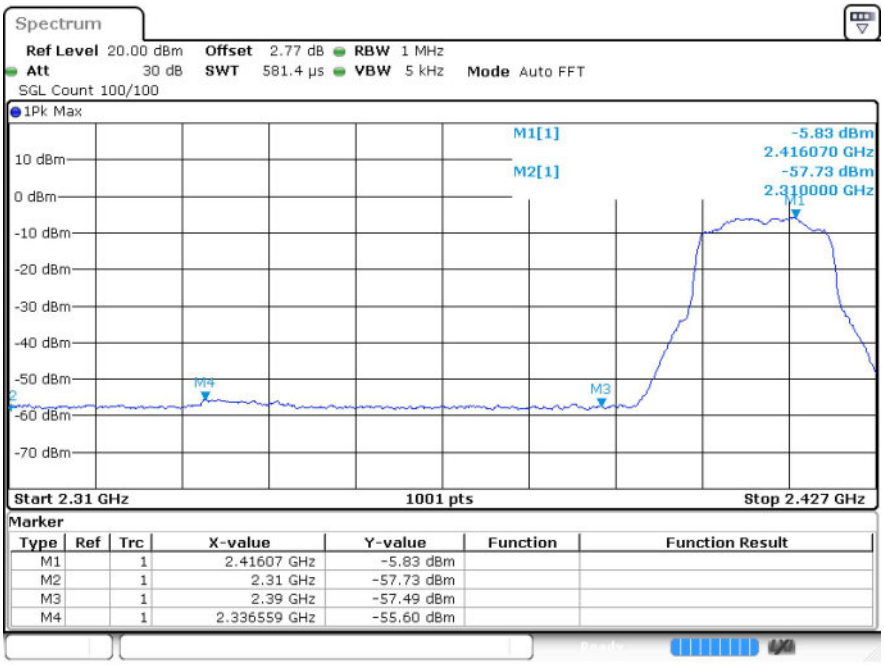
n20 2412MHz Ant1 Peak



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40742 GHz	1.80 dBm		
M2		1	2.31 GHz	-49.54 dBm		
M3		1	2.39 GHz	-48.84 dBm		
M4		1	2.389326 GHz	-46.60 dBm		

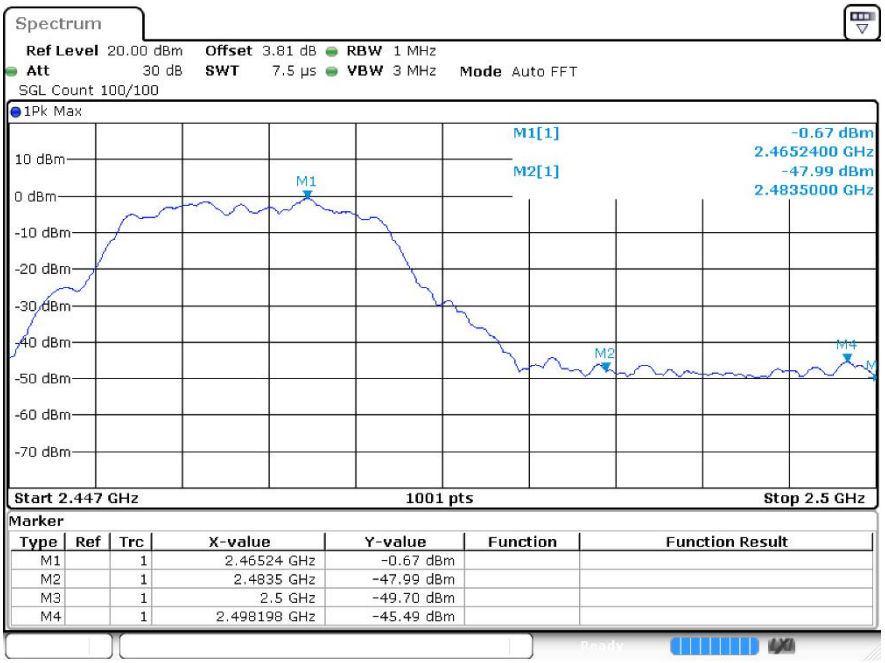
n20 2412MHz Ant1 Average



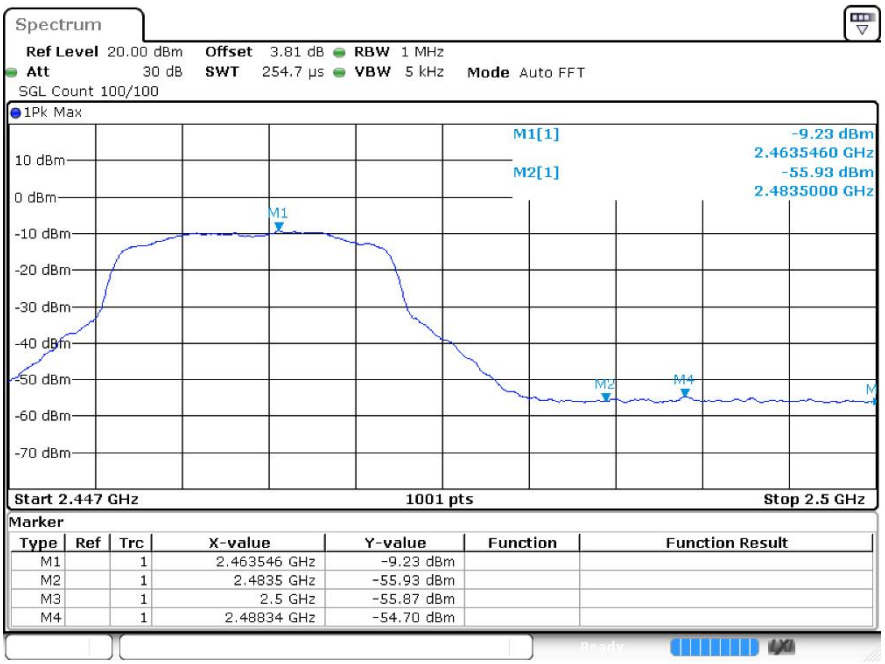
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41607 GHz	-5.83 dBm		
M2		1	2.31 GHz	-57.73 dBm		
M3		1	2.39 GHz	-57.49 dBm		
M4		1	2.336559 GHz	-55.60 dBm		

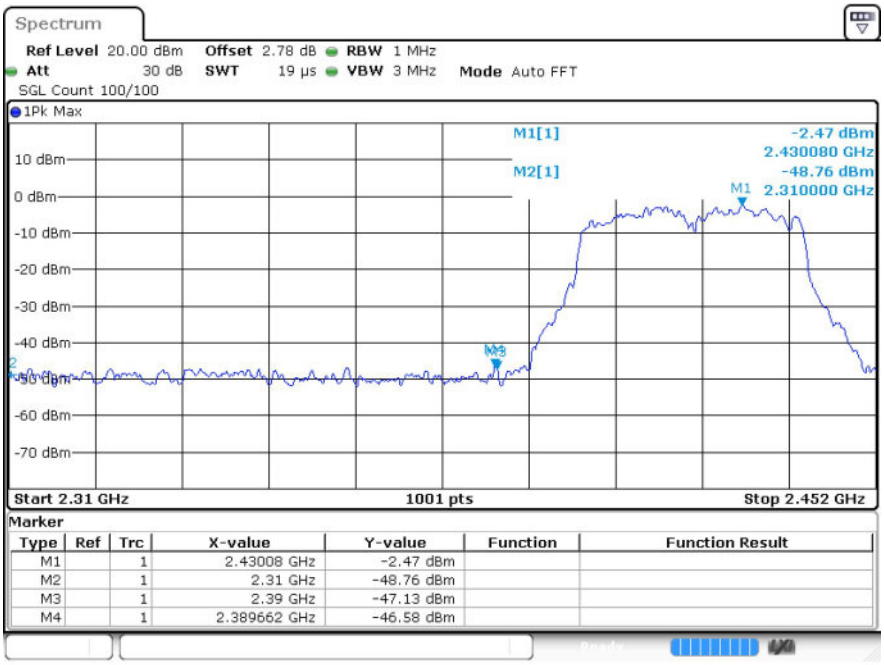
n20 2462MHz Ant1 Peak



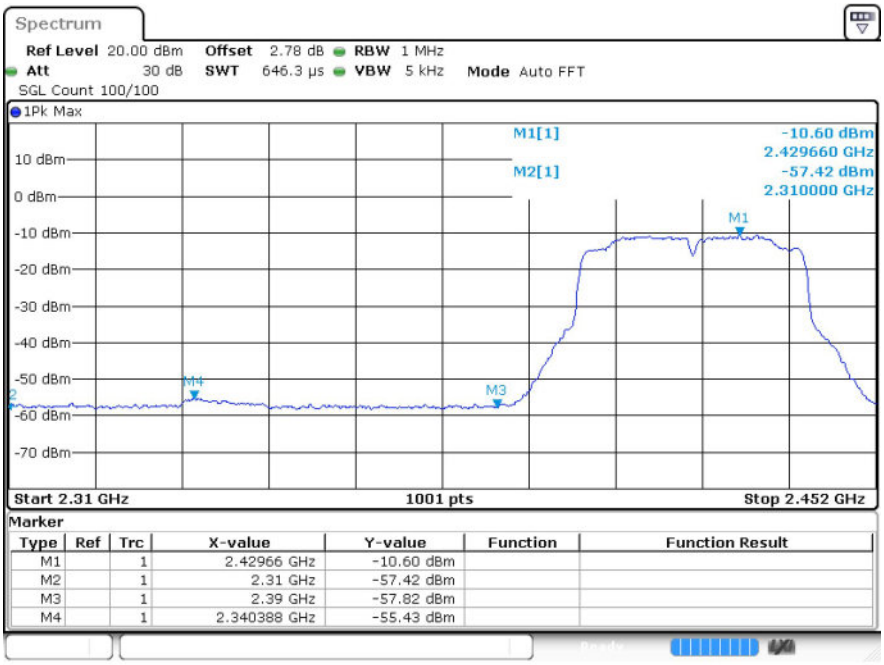
n20 2462MHz Ant1 Average



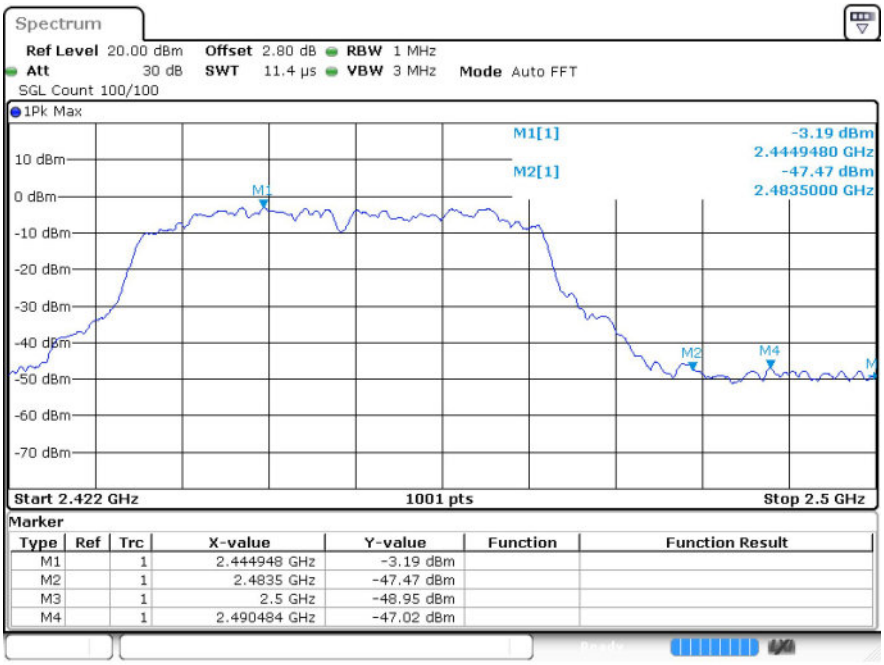
n40 2422MHz Ant1 Peak



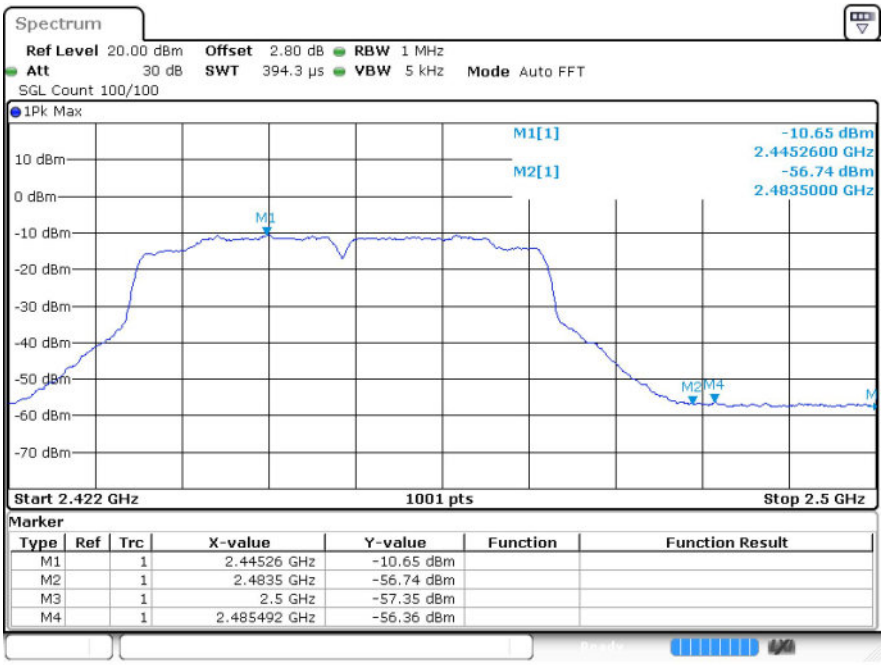
n40 2422MHz Ant1 Average



n40 2452MHz Ant1 Peak



n40 2452MHz Ant1 Average



---The End---