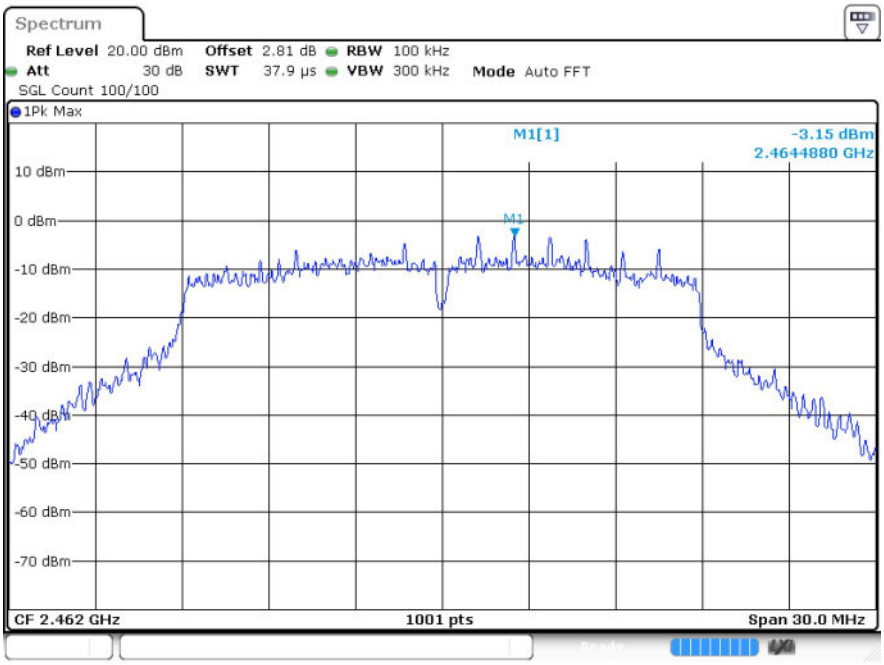
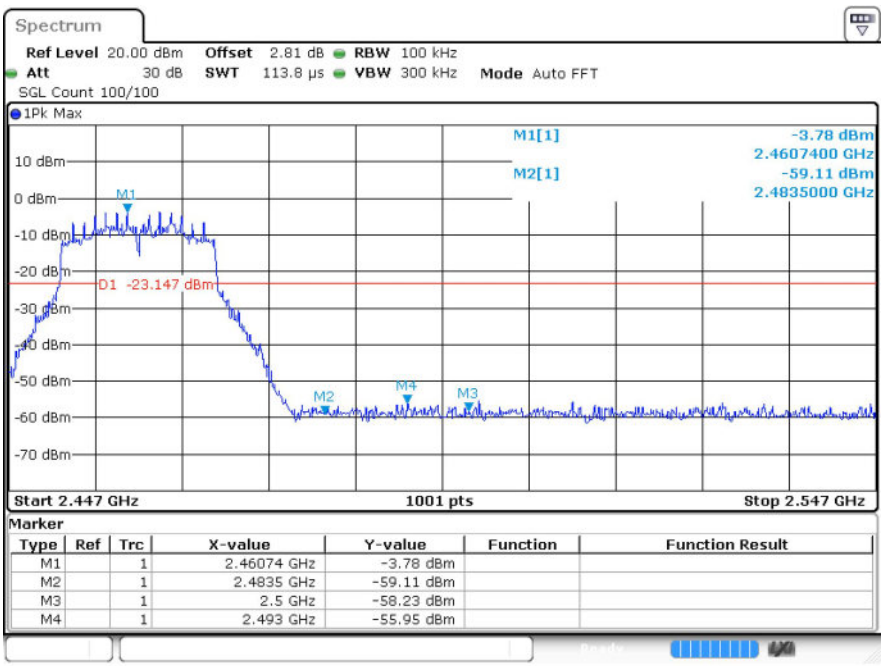
n20 2462MHz Ant1 Ref

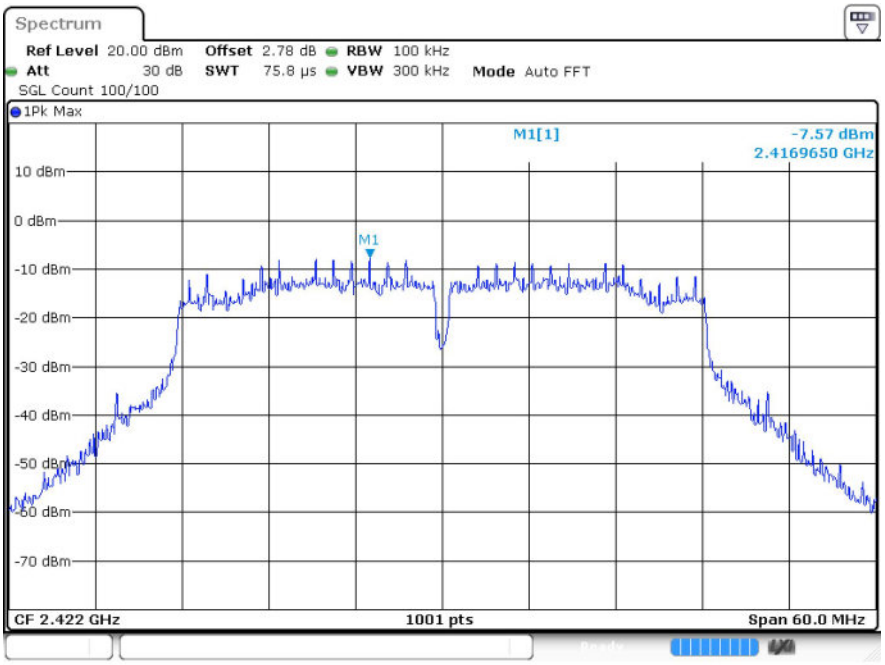


n20 2462MHz Ant1 Emission

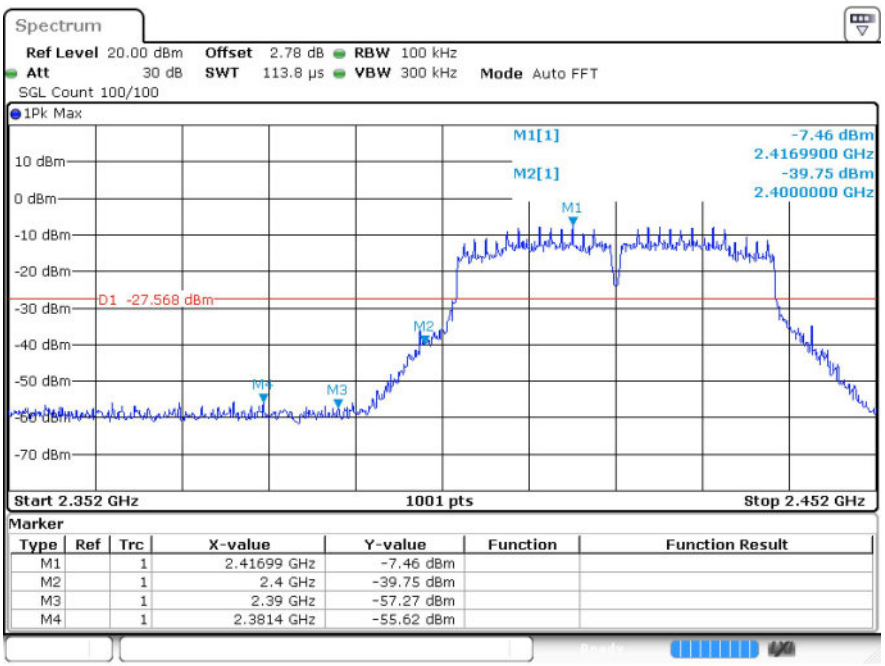


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46074 GHz	-3.78 dBm		
M2		1	2.4835 GHz	-59.11 dBm		
M3		1	2.5 GHz	-58.23 dBm		
M4		1	2.493 GHz	-55.95 dBm		

n40 2422MHz Ant1 Ref



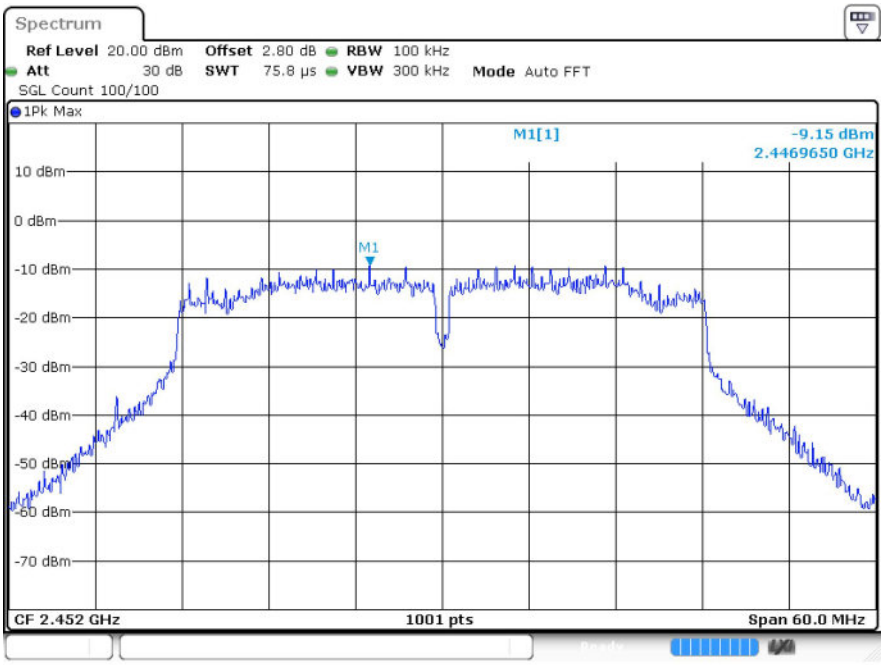
n40 2422MHz Ant1 Emission



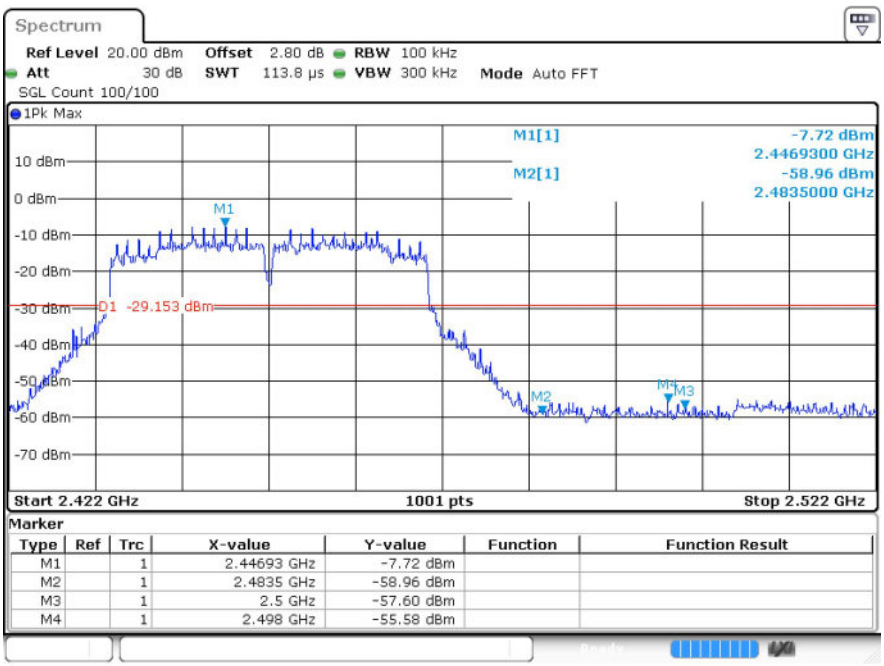
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41699 GHz	-7.46 dBm		
M2		1	2.4 GHz	-39.75 dBm		
M3		1	2.39 GHz	-57.27 dBm		
M4		1	2.3814 GHz	-55.62 dBm		

n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



6 Conducted RF Spurious Emission

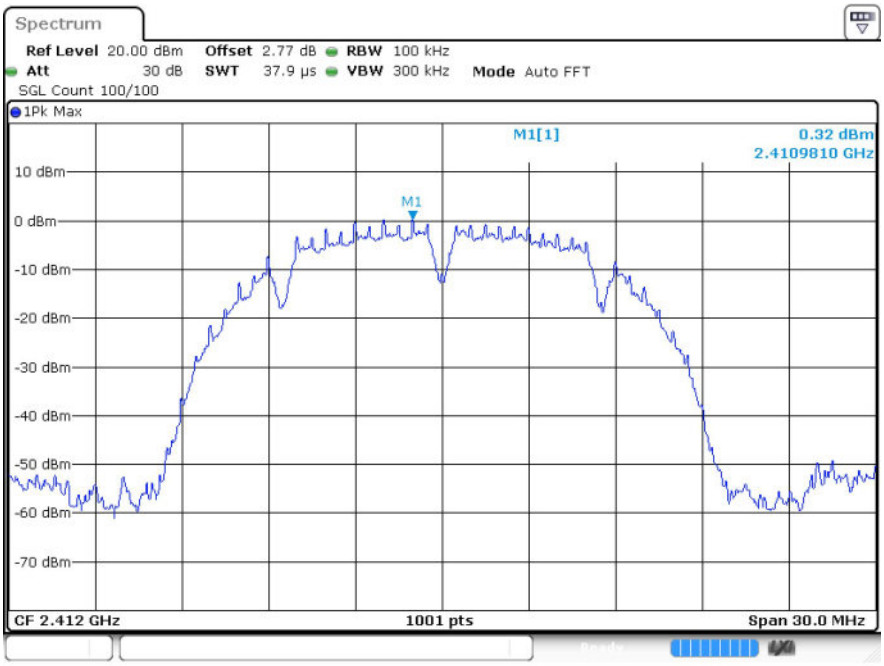
6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-43.12	-20	Pass
b	2437	Ant1	-43.13	-20	Pass
b	2462	Ant1	-42.96	-20	Pass
g	2412	Ant1	-41.37	-20	Pass
g	2437	Ant1	-40.65	-20	Pass
g	2462	Ant1	-40.6	-20	Pass
n20	2412	Ant1	-39.56	-20	Pass
n20	2437	Ant1	-40.32	-20	Pass
n20	2462	Ant1	-40.05	-20	Pass
n40	2422	Ant1	-36.25	-20	Pass
n40	2437	Ant1	-36.04	-20	Pass
n40	2452	Ant1	-34.86	-20	Pass

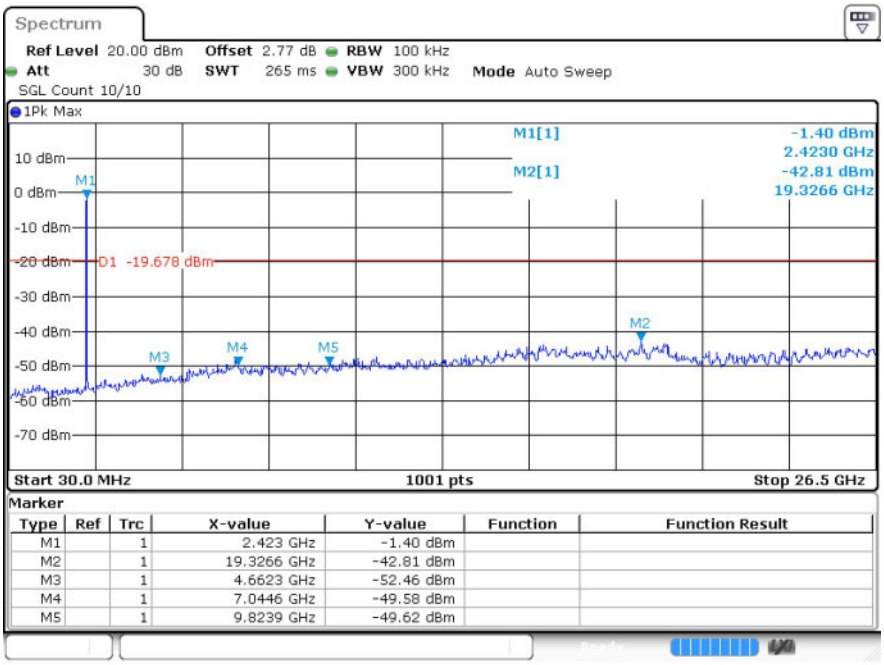
6.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref



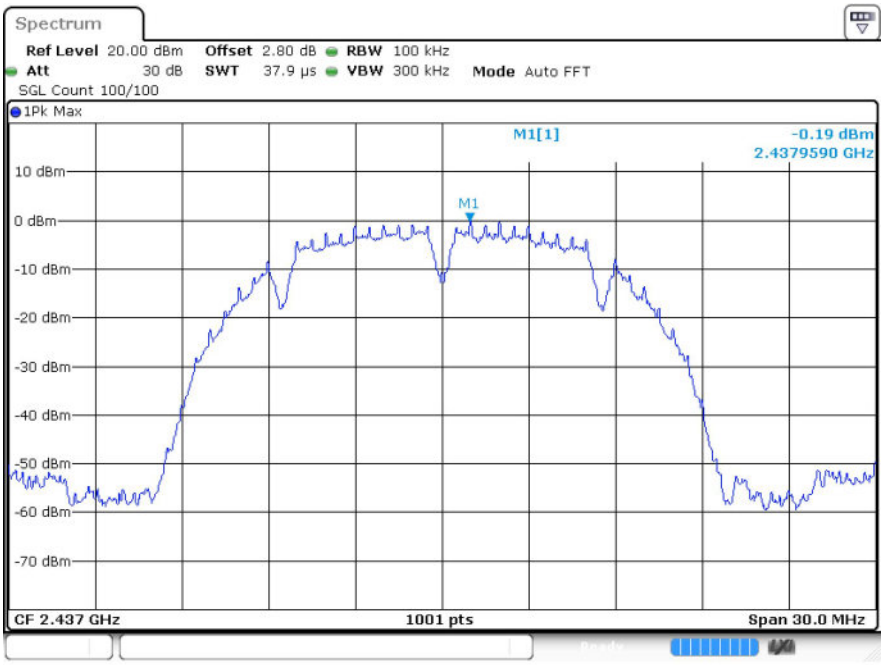
b 2412MHz Ant1 Emission



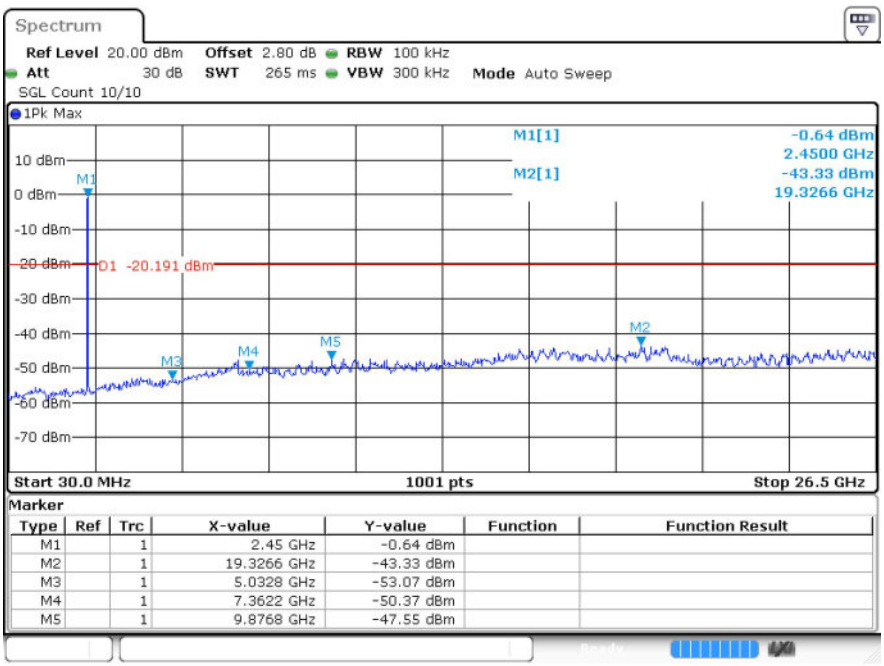
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-1.40 dBm		
M2		1	19.3266 GHz	-42.81 dBm		
M3		1	4.6623 GHz	-52.46 dBm		
M4		1	7.0446 GHz	-49.58 dBm		
M5		1	9.8239 GHz	-49.62 dBm		

b 2437MHz Ant1 Ref



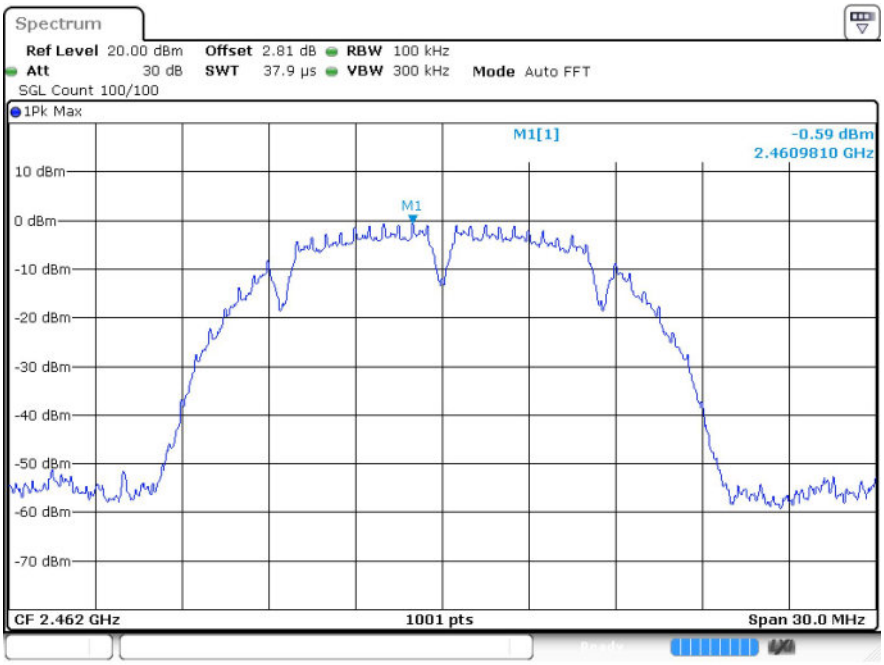
b 2437MHz Ant1 Emission



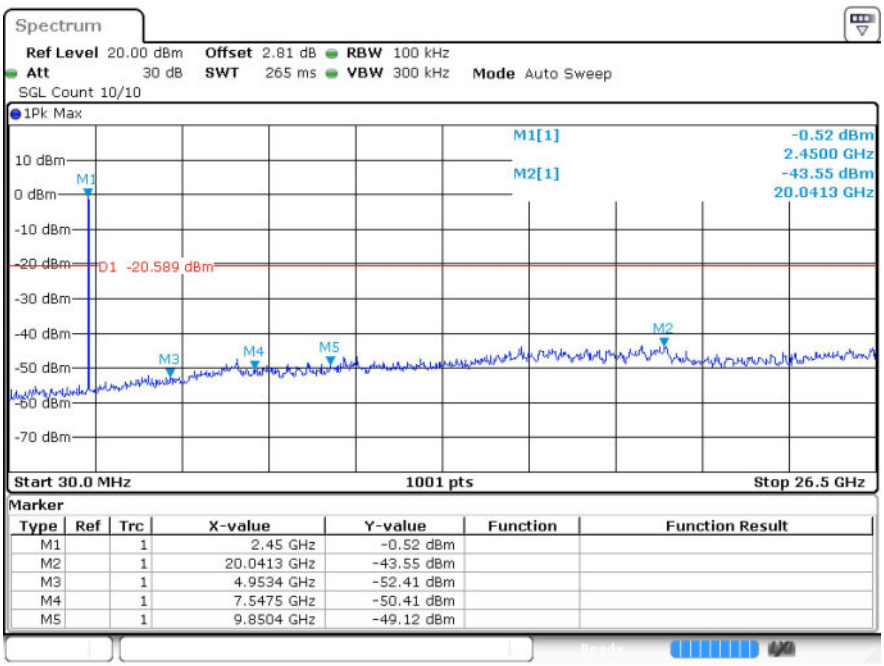
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-0.64 dBm		
M2		1	19.3266 GHz	-43.33 dBm		
M3		1	5.0328 GHz	-53.07 dBm		
M4		1	7.3622 GHz	-50.37 dBm		
M5		1	9.8768 GHz	-47.55 dBm		

b 2462MHz Ant1 Ref



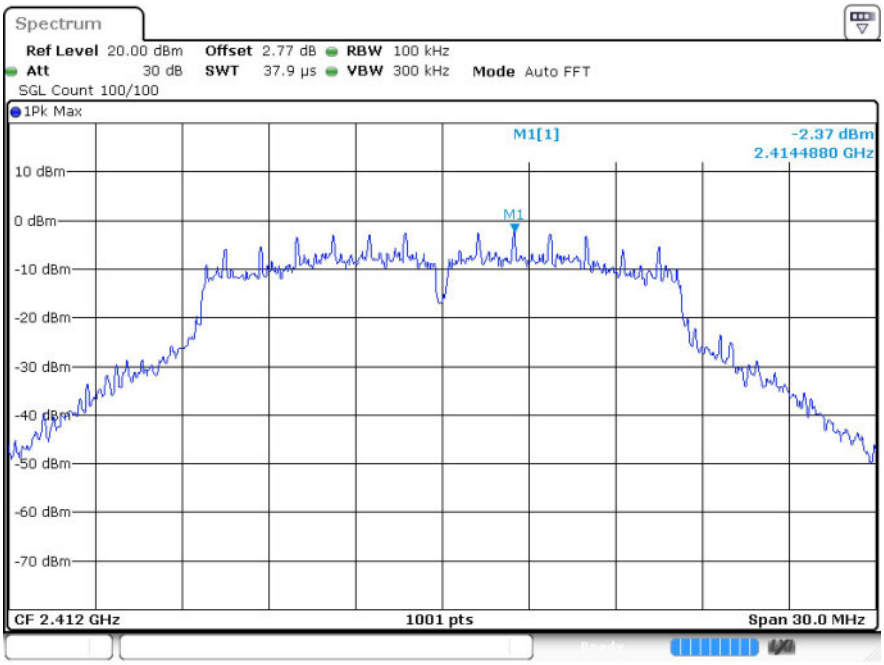
b 2462MHz Ant1 Emission



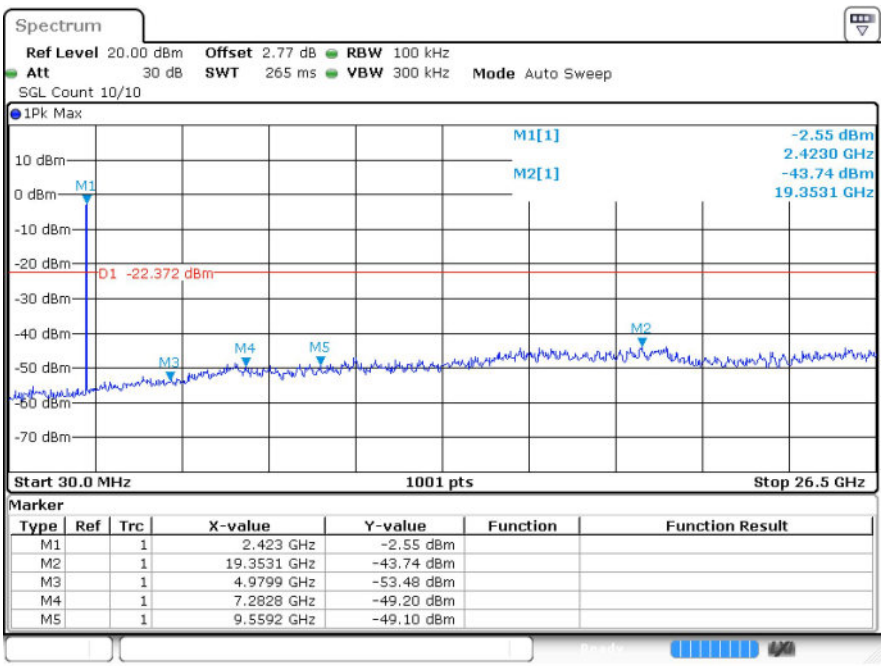
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-0.52 dBm		
M2		1	20.0413 GHz	-43.55 dBm		
M3		1	4.9534 GHz	-52.41 dBm		
M4		1	7.5475 GHz	-50.41 dBm		
M5		1	9.8504 GHz	-49.12 dBm		

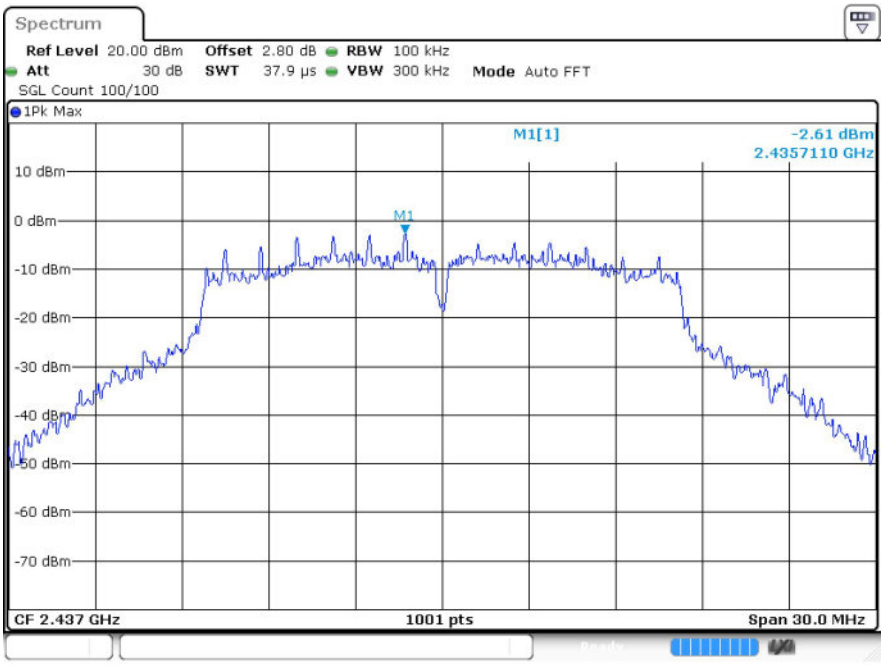
g 2412MHz Ant1 Ref



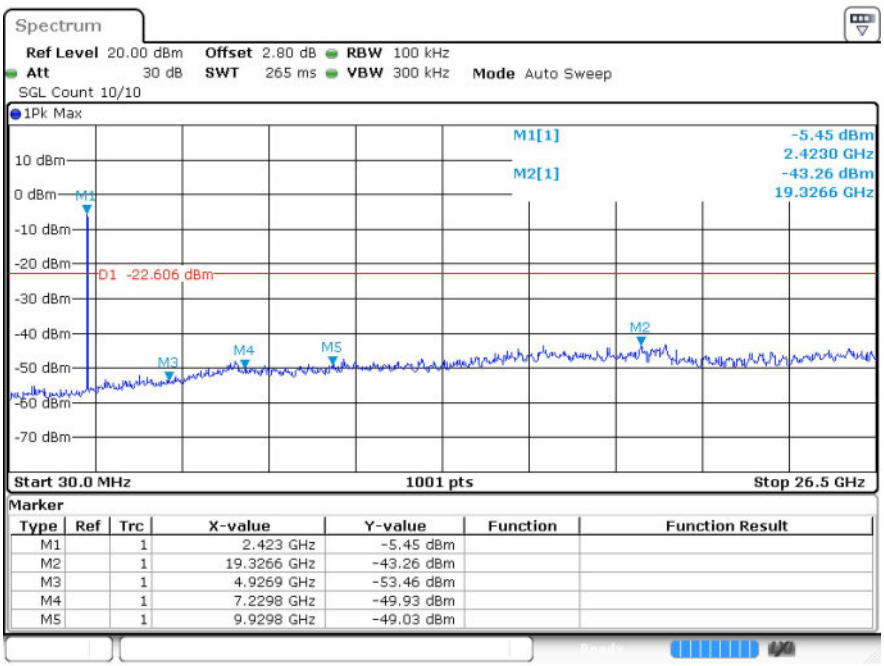
g 2412MHz Ant1 Emission



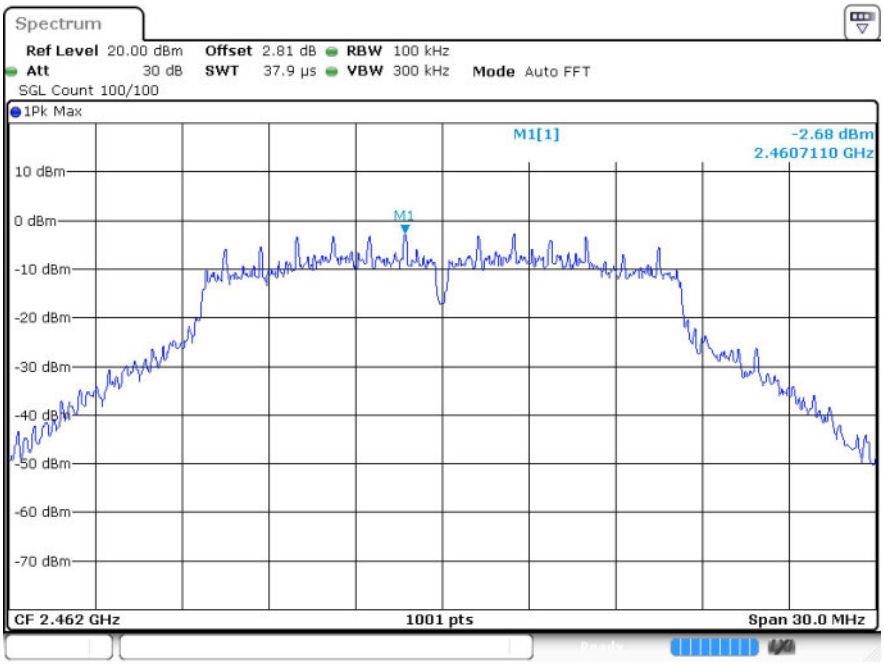
g 2437MHz Ant1 Ref



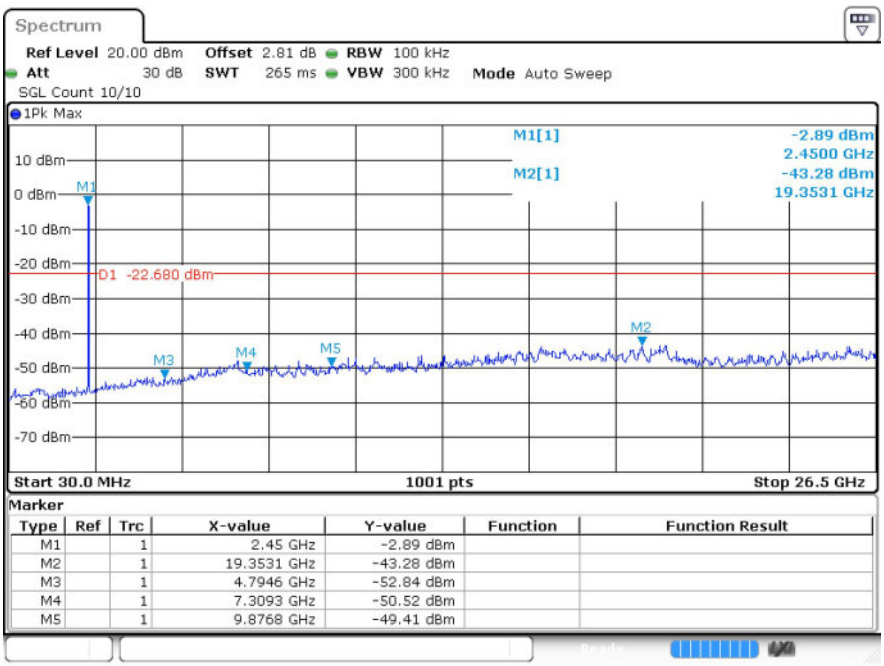
g 2437MHz Ant1 Emission



g 2462MHz Ant1 Ref



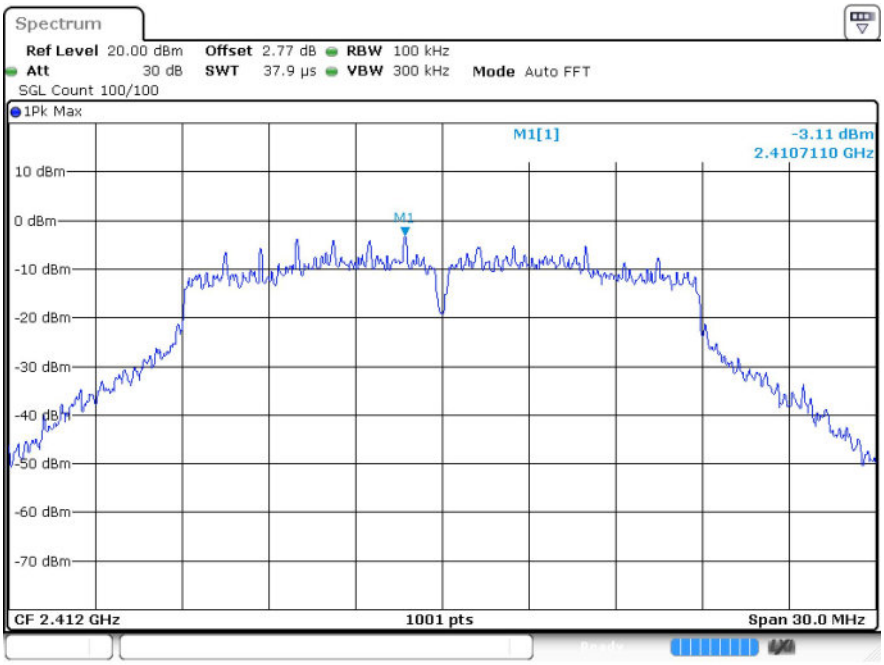
g 2462MHz Ant1 Emission



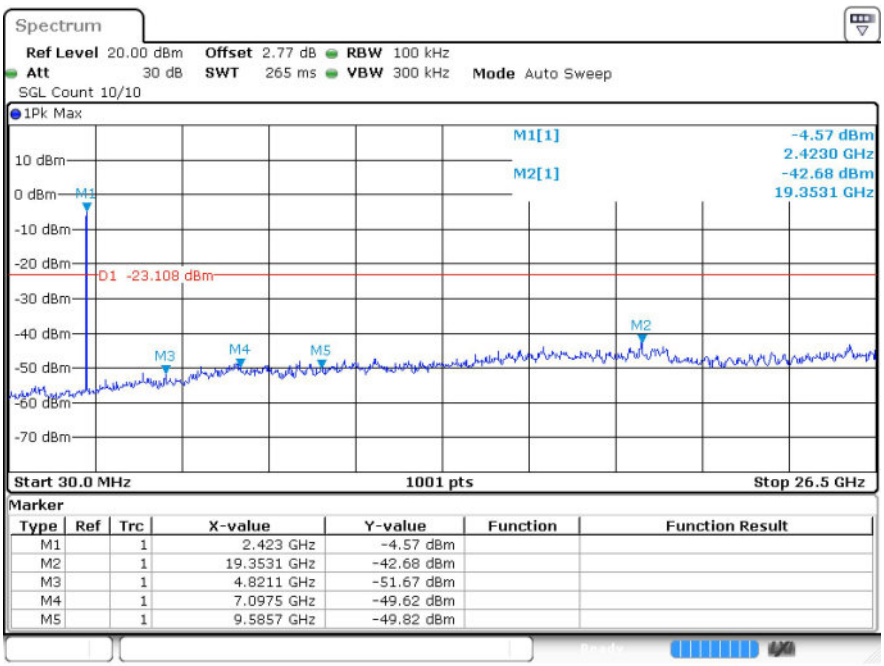
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-2.89 dBm		
M2		1	19.3531 GHz	-43.28 dBm		
M3		1	4.7946 GHz	-52.84 dBm		
M4		1	7.3093 GHz	-50.52 dBm		
M5		1	9.8768 GHz	-49.41 dBm		

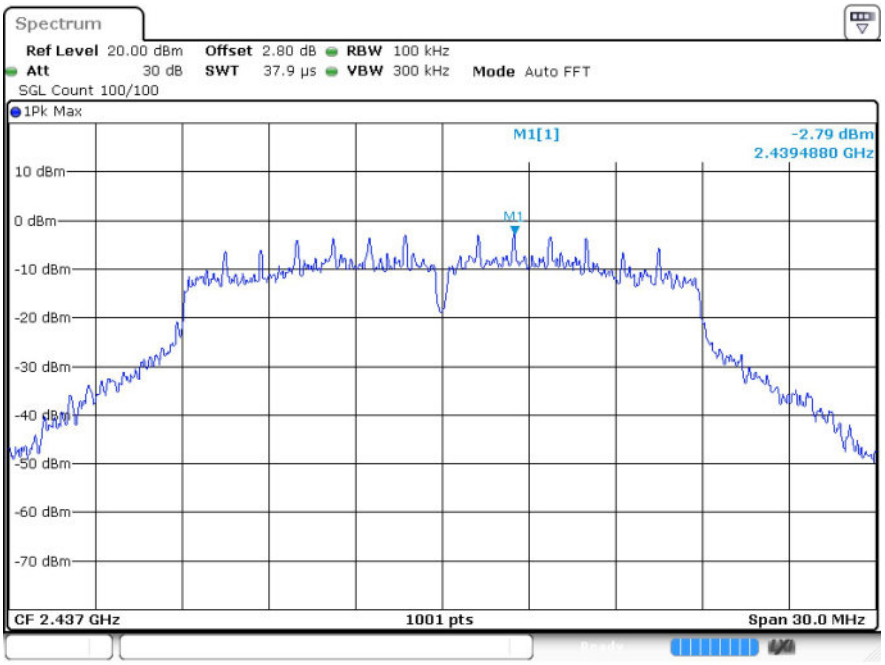
n20 2412MHz Ant1 Ref



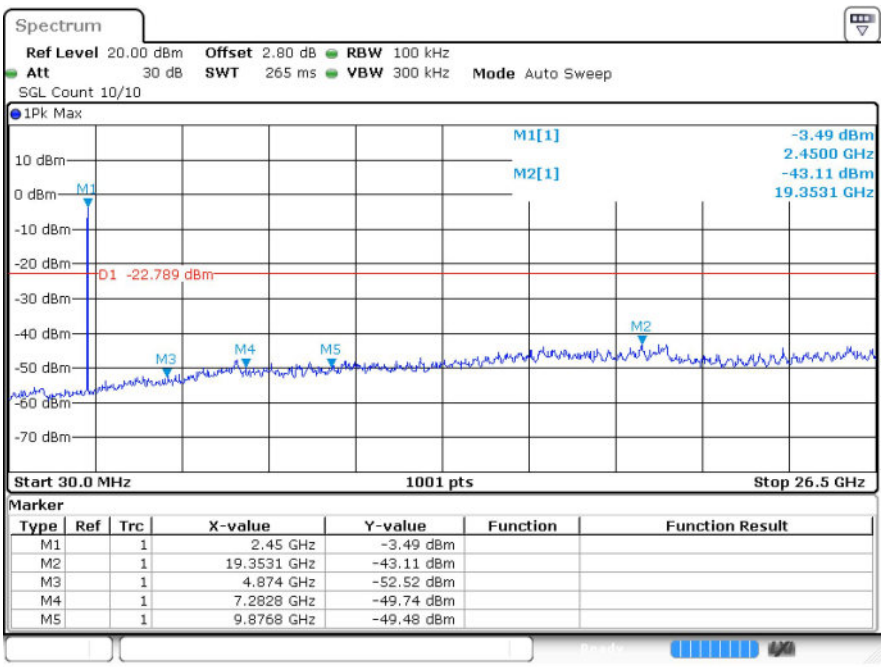
n20 2412MHz Ant1 Emission



n20 2437MHz Ant1 Ref



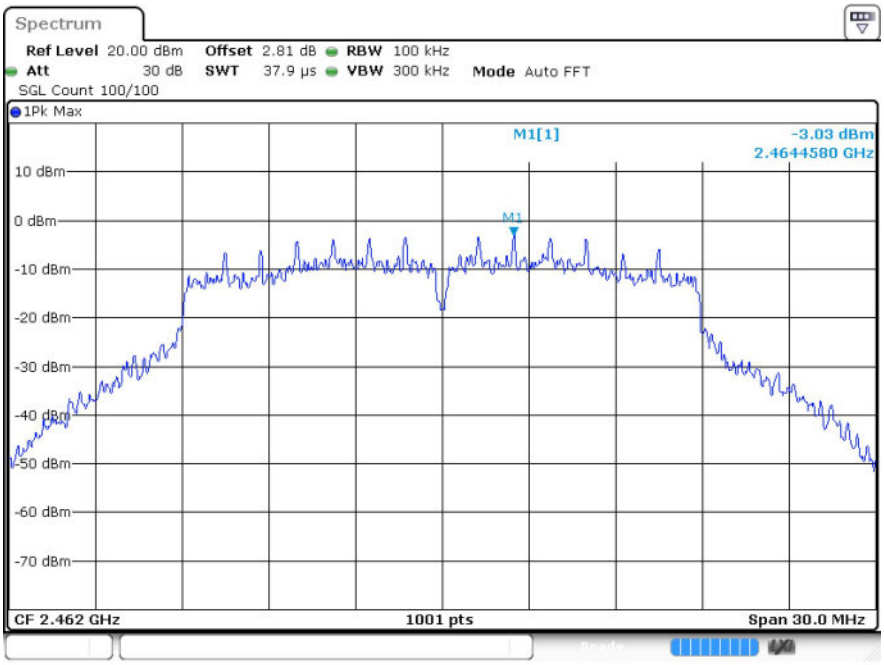
n20 2437MHz Ant1 Emission



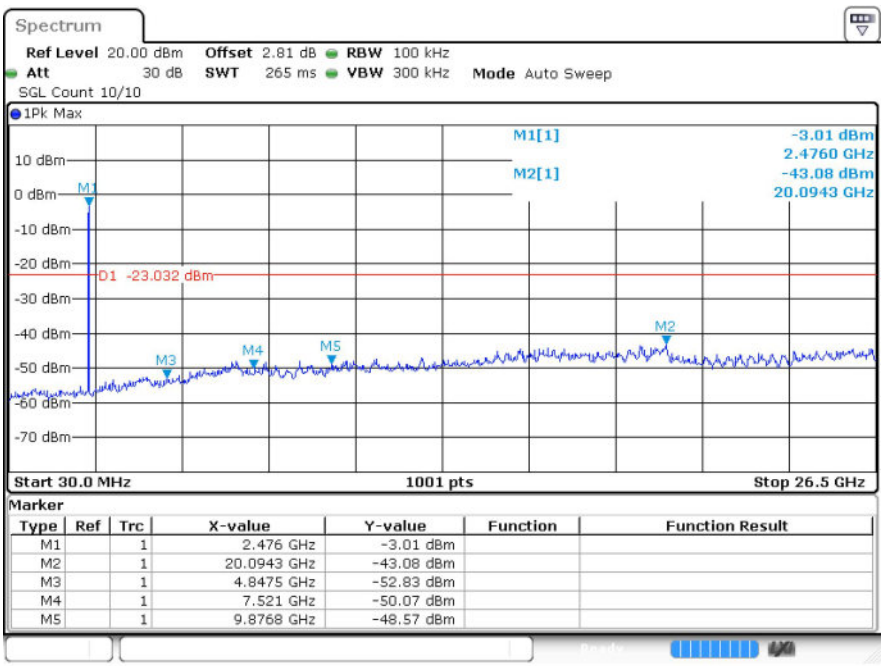
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.49 dBm		
M2		1	19.3531 GHz	-43.11 dBm		
M3		1	4.874 GHz	-52.52 dBm		
M4		1	7.2828 GHz	-49.74 dBm		
M5		1	9.8768 GHz	-49.48 dBm		

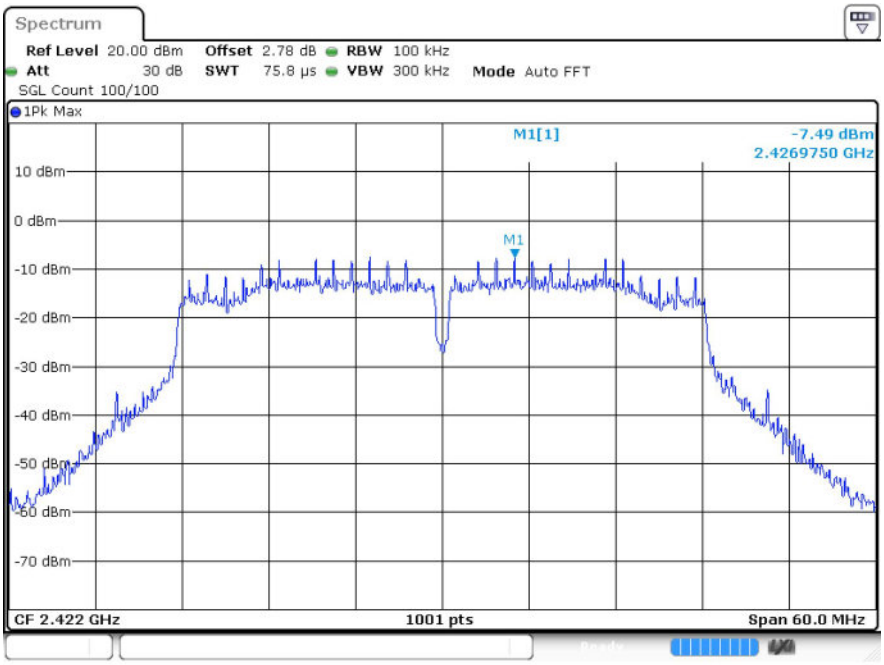
n20 2462MHz Ant1 Ref



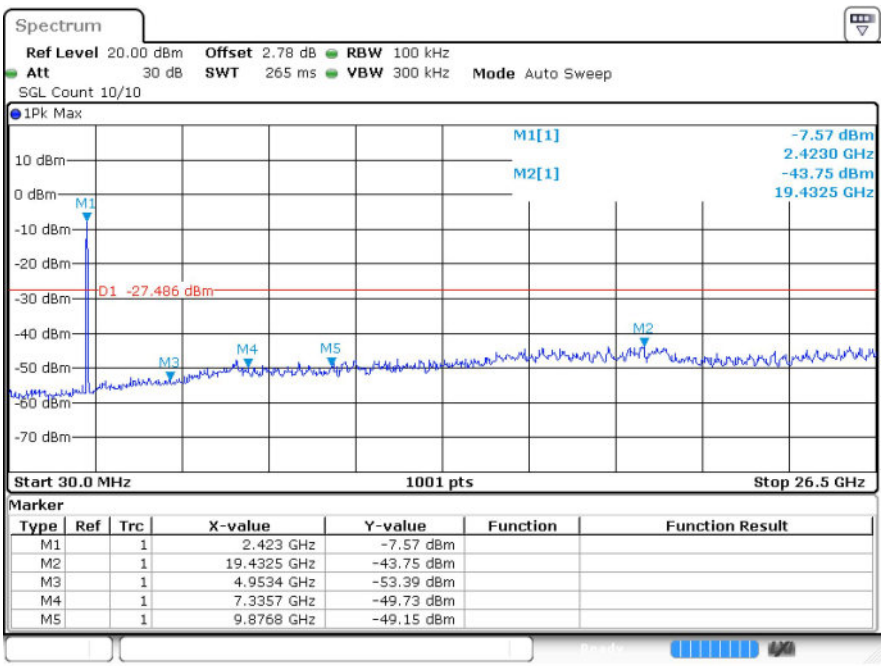
n20 2462MHz Ant1 Emission



n40 2422MHz Ant1 Ref



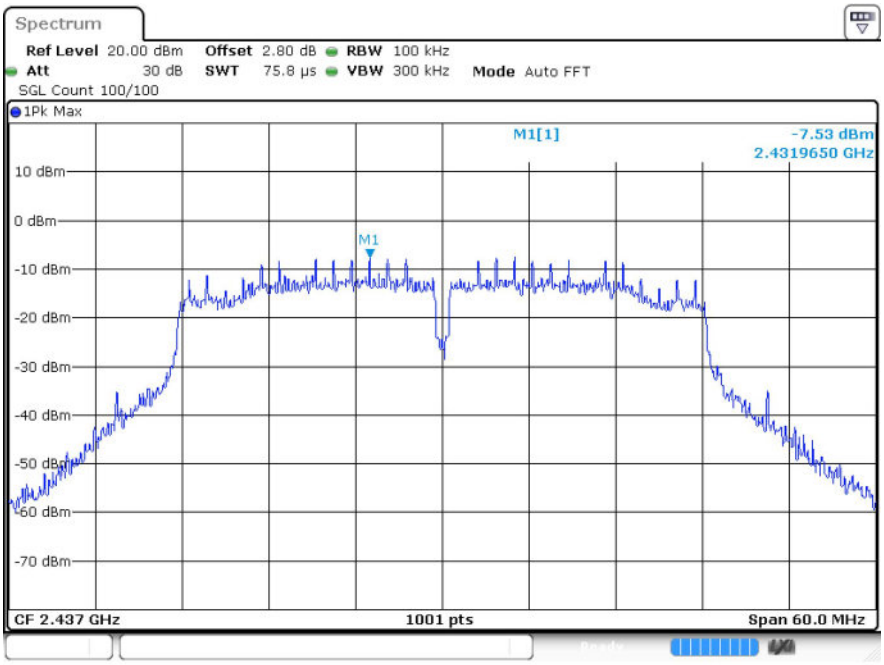
n40 2422MHz Ant1 Emission



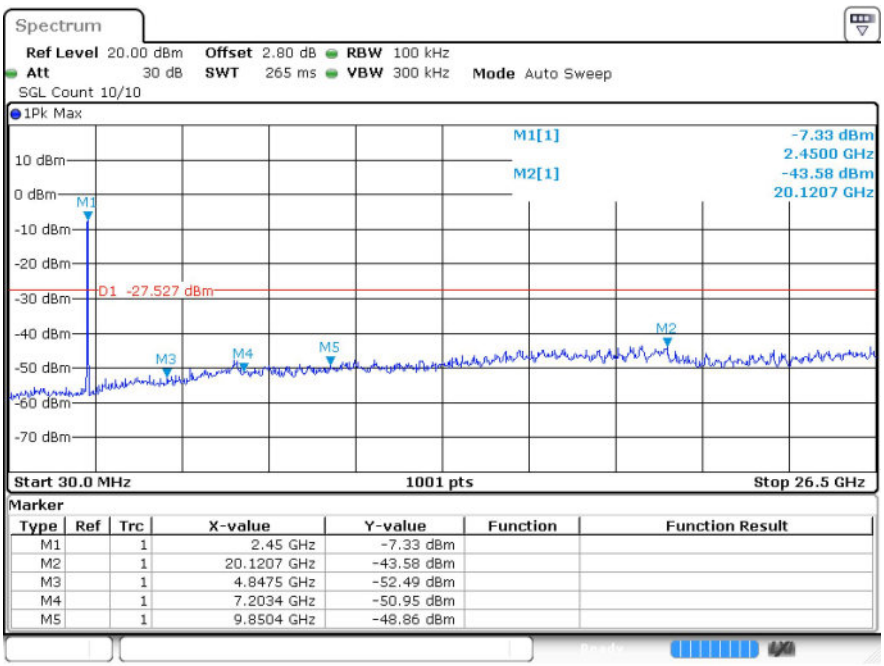
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-7.57 dBm		
M2		1	19.4325 GHz	-43.75 dBm		
M3		1	4.9534 GHz	-53.39 dBm		
M4		1	7.3357 GHz	-49.73 dBm		
M5		1	9.8768 GHz	-49.15 dBm		

n40 2437MHz Ant1 Ref



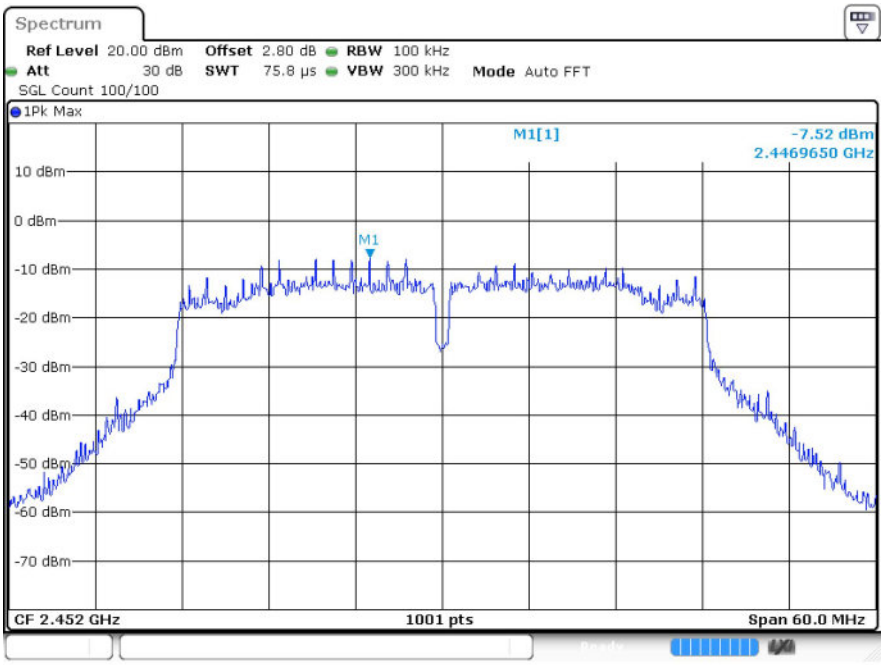
n40 2437MHz Ant1 Emission



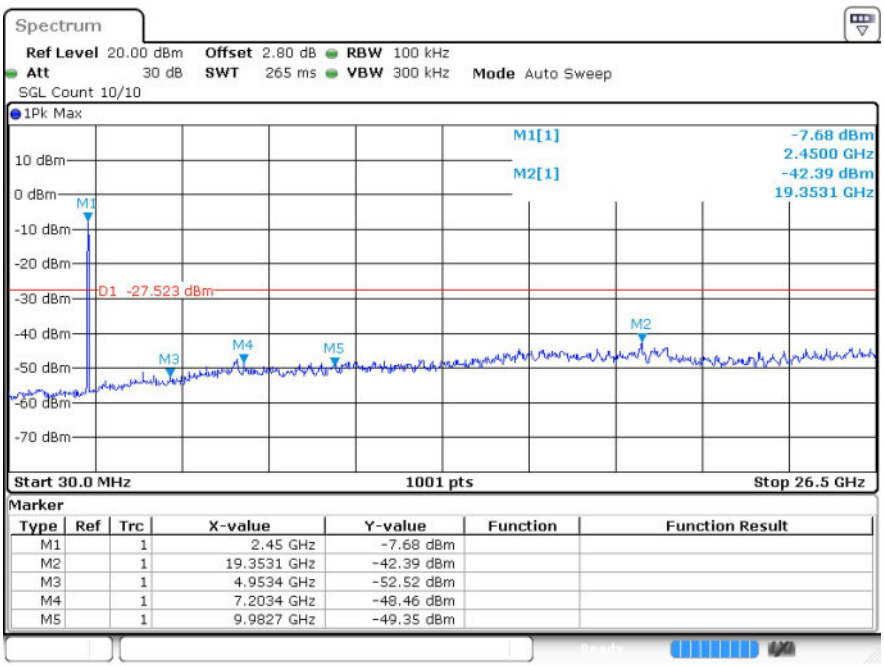
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-7.33 dBm		
M2		1	20.1207 GHz	-43.58 dBm		
M3		1	4.8475 GHz	-52.49 dBm		
M4		1	7.2034 GHz	-50.95 dBm		
M5		1	9.8504 GHz	-48.86 dBm		

n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-7.68 dBm		
M2		1	19.3531 GHz	-42.39 dBm		
M3		1	4.9534 GHz	-52.52 dBm		
M4		1	7.2034 GHz	-48.46 dBm		
M5		1	9.9827 GHz	-49.35 dBm		

7 Restrict Band

7.1 Test Result

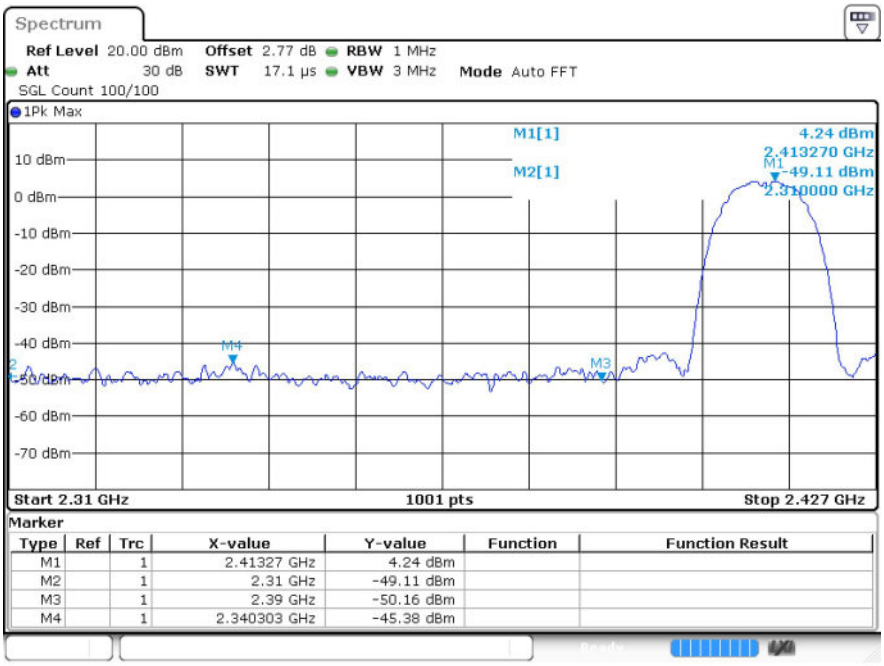
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-49.11	2	-	48.15	Peak	74	Pass
b	2412	Ant1	2310	-55.98	2	0	41.28	Average	54	Pass
b	2412	Ant1	2340.303	-45.38	2	-	51.88	Peak	74	Pass
b	2412	Ant1	2339.016	-54.18	2	0	43.08	Average	54	Pass
b	2412	Ant1	2390	-50.16	2	-	47.1	Peak	74	Pass
b	2412	Ant1	2390	-55.69	2	0	41.57	Average	54	Pass
b	2462	Ant1	2483.5	-46.49	2	-	50.77	Peak	74	Pass
b	2462	Ant1	2483.5	-55.75	2	0	41.51	Average	54	Pass
b	2462	Ant1	2483.676	-46.33	2	-	50.93	Peak	74	Pass
b	2462	Ant1	2485.531	-54.29	2	0	42.97	Average	54	Pass
b	2462	Ant1	2500	-49.38	2	-	47.88	Peak	74	Pass
b	2462	Ant1	2500	-55.75	2	0	41.51	Average	54	Pass
g	2412	Ant1	2310	-50.42	2	-	46.84	Peak	74	Pass
g	2412	Ant1	2310	-56.76	2	0.61	41.11	Average	54	Pass
g	2412	Ant1	2338.08	-46.45	2	-	50.81	Peak	74	Pass
g	2412	Ant1	2337.729	-54.11	2	0.61	43.76	Average	54	Pass
g	2412	Ant1	2390	-48.78	2	-	47.1	Peak	74	Pass
g	2412	Ant1	2390	-56.31	2	0.61	41.56	Average	54	Pass
g	2462	Ant1	2483.5	-47.11	2	-	50.15	Peak	74	Pass
g	2462	Ant1	2483.5	-55.86	2	0.61	42.01	Average	54	Pass
g	2462	Ant1	2483.676	-44.48	2	-	52.78	Peak	74	Pass
g	2462	Ant1	2498.728	-55.37	2	0.61	42.5	Average	54	Pass
g	2462	Ant1	2500	-50.64	2	-	47.88	Peak	74	Pass
g	2462	Ant1	2500	-55.94	2	0.61	41.93	Average	54	Pass
n20	2412	Ant1	2310	-49.38	2	-	47.88	Peak	74	Pass
n20	2412	Ant1	2310	-56.35	2	0.57	41.48	Average	54	Pass
n20	2412	Ant1	2337.027	-45.68	2	-	51.58	Peak	74	Pass
n20	2412	Ant1	2337.612	-54.53	2	0.57	43.3	Average	54	Pass
n20	2412	Ant1	2390	-51.52	2	-	45.74	Peak	74	Pass
n20	2412	Ant1	2390	-57.17	2	0.57	40.66	Average	54	Pass
n20	2462	Ant1	2483.5	-50.22	2	-	47.04	Peak	74	Pass
n20	2462	Ant1	2483.5	-54.97	2	0.58	42.87	Average	54	Pass
n20	2462	Ant1	2490.089	-48.02	2	-	49.24	Peak	74	Pass
n20	2462	Ant1	2483.517	-54.96	2	0.58	42.88	Average	54	Pass

n20	2462	Ant1	2500	-48.47	2	-	48.79	Peak	74	Pass
n20	2462	Ant1	2500	-56.06	2	0.58	41.78	Average	54	Pass
n40	2422	Ant1	2310	-49.84	2	-	47.42	Peak	74	Pass
n40	2422	Ant1	2310	-56.54	2	0.55	41.27	Average	54	Pass
n40	2422	Ant1	2339.11	-46.93	2	-	50.33	Peak	74	Pass
n40	2422	Ant1	2339.678	-54.32	2	0.55	43.49	Average	54	Pass
n40	2422	Ant1	2390	-49.83	2	-	47.43	Peak	74	Pass
n40	2422	Ant1	2390	-57.23	2	0.55	40.58	Average	54	Pass
n40	2452	Ant1	2483.5	-49.52	2	-	47.74	Peak	74	Pass
n40	2452	Ant1	2483.5	-56.68	2	0.55	41.13	Average	54	Pass
n40	2452	Ant1	2495.242	-47.18	2	-	50.08	Peak	74	Pass
n40	2452	Ant1	2490.25	-55.83	2	0.55	41.98	Average	54	Pass
n40	2452	Ant1	2500	-49.04	2	-	48.22	Peak	74	Pass
n40	2452	Ant1	2500	-56.54	2	0.55	41.27	Average	54	Pass

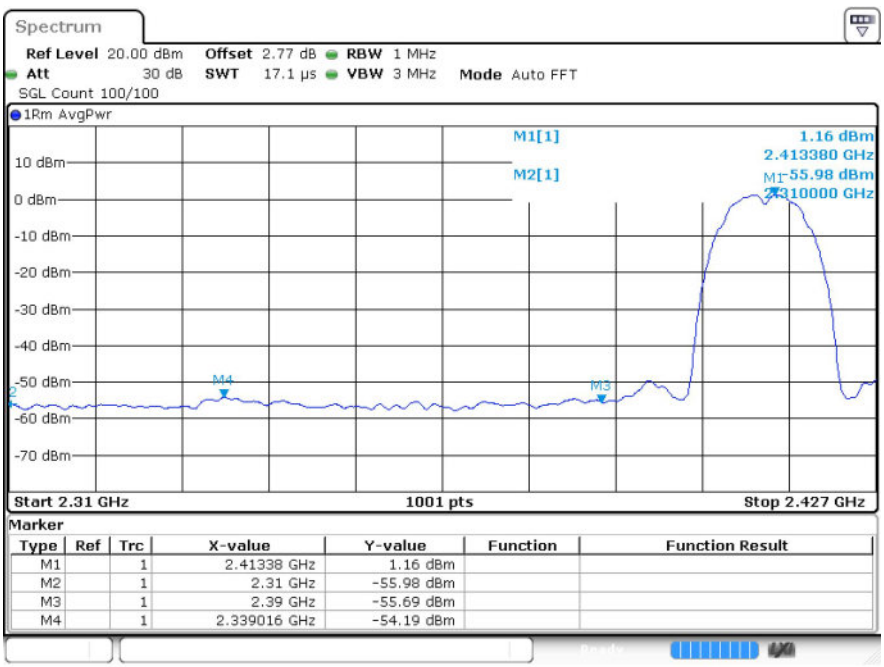
7.2 Test Graphs

Test Graphs

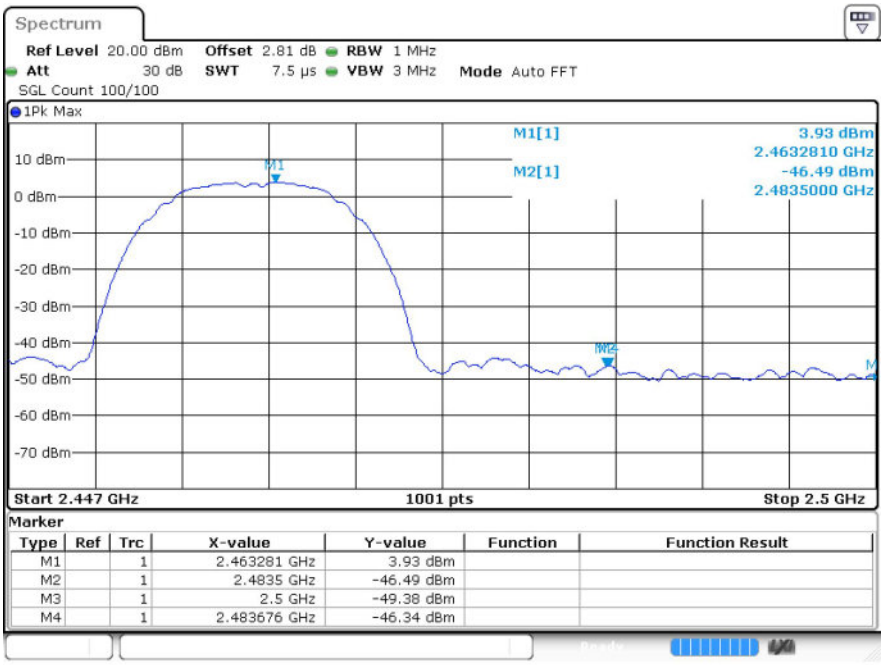
b 2412MHz Ant1 Peak



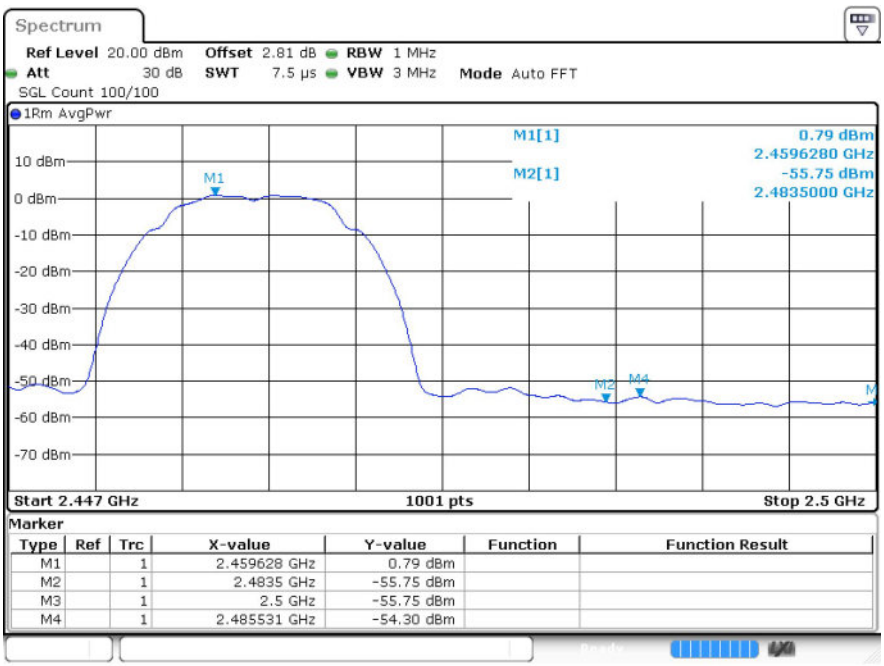
b 2412MHz Ant1 Average



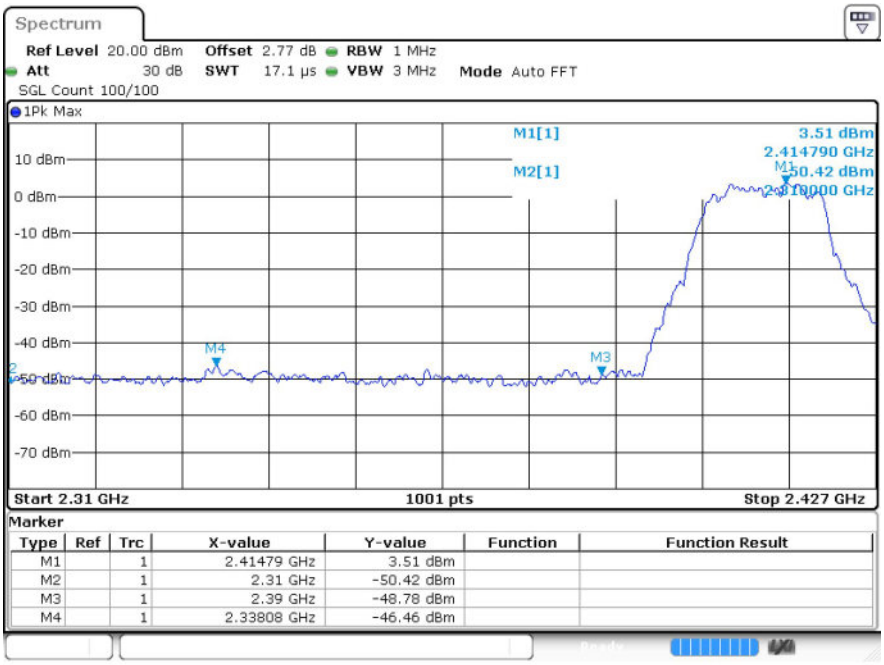
b 2462MHz Ant1 Peak



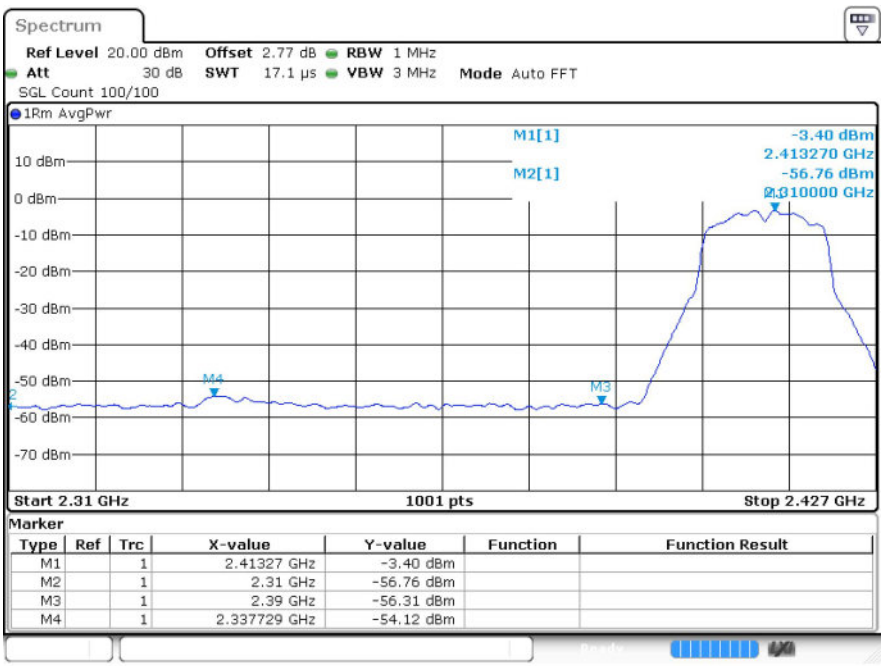
b 2462MHz Ant1 Average



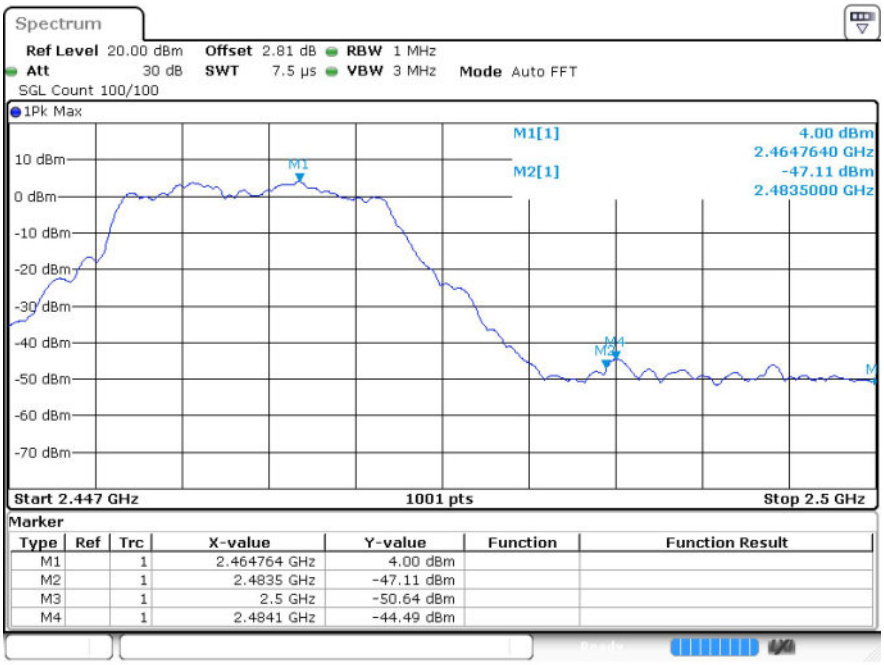
g 2412MHz Ant1 Peak



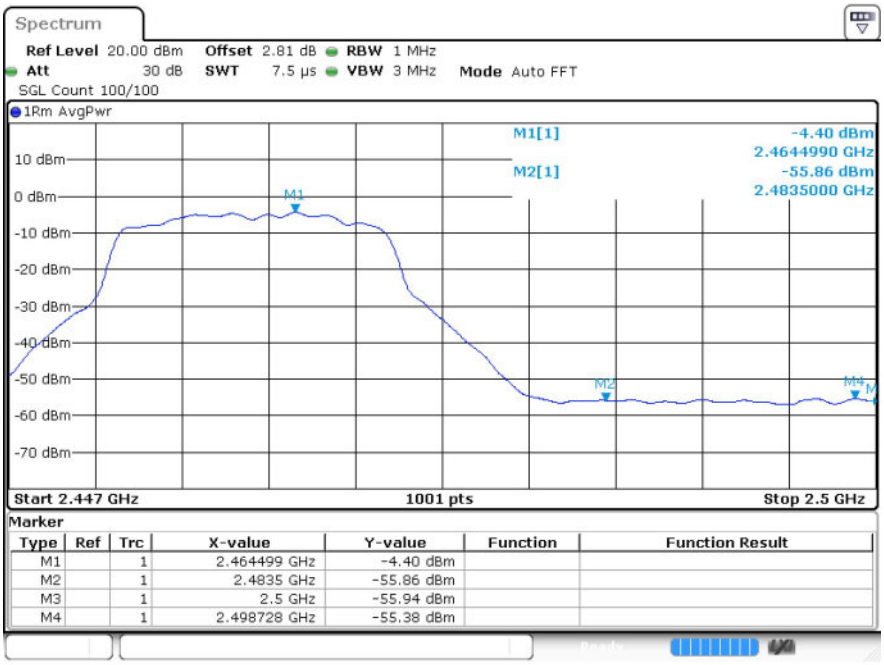
g 2412MHz Ant1 Average



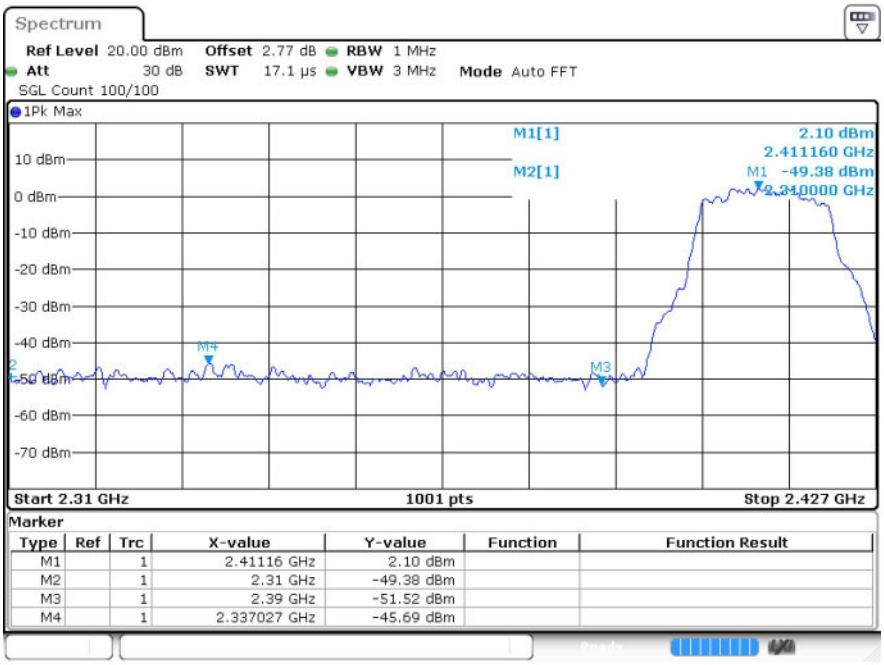
g 2462MHz Ant1 Peak



g 2462MHz Ant1 Average



n20 2412MHz Ant1 Peak



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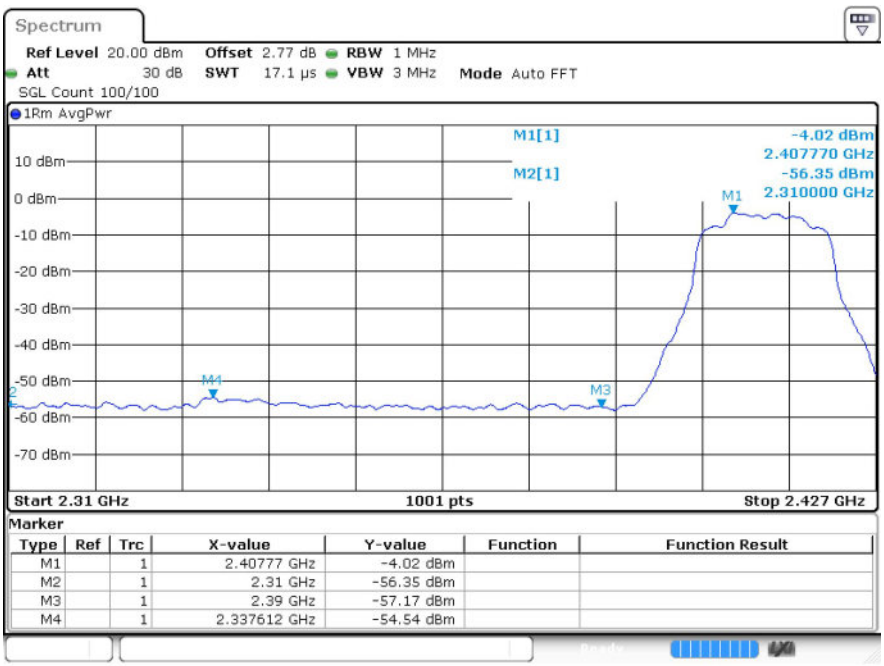

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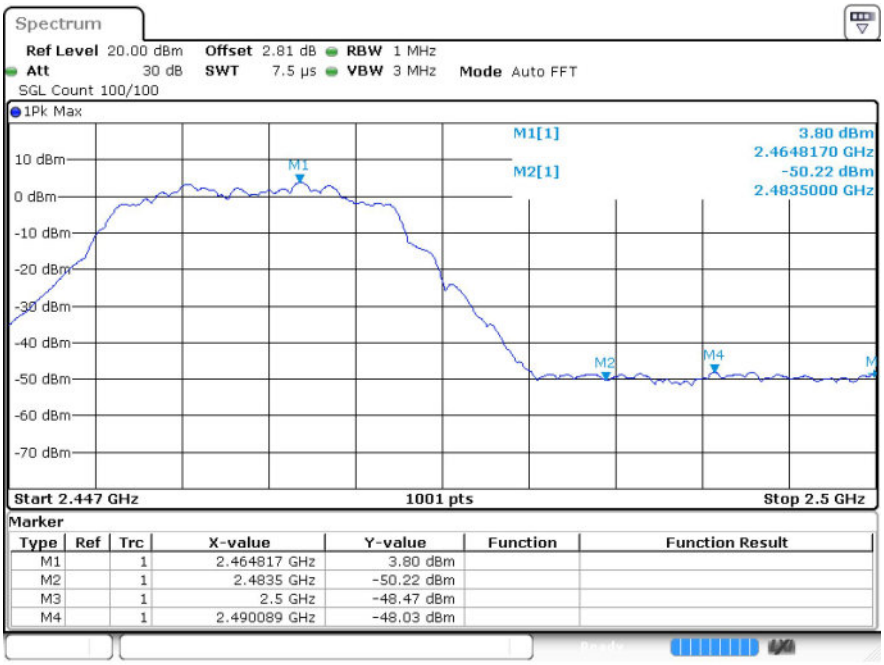

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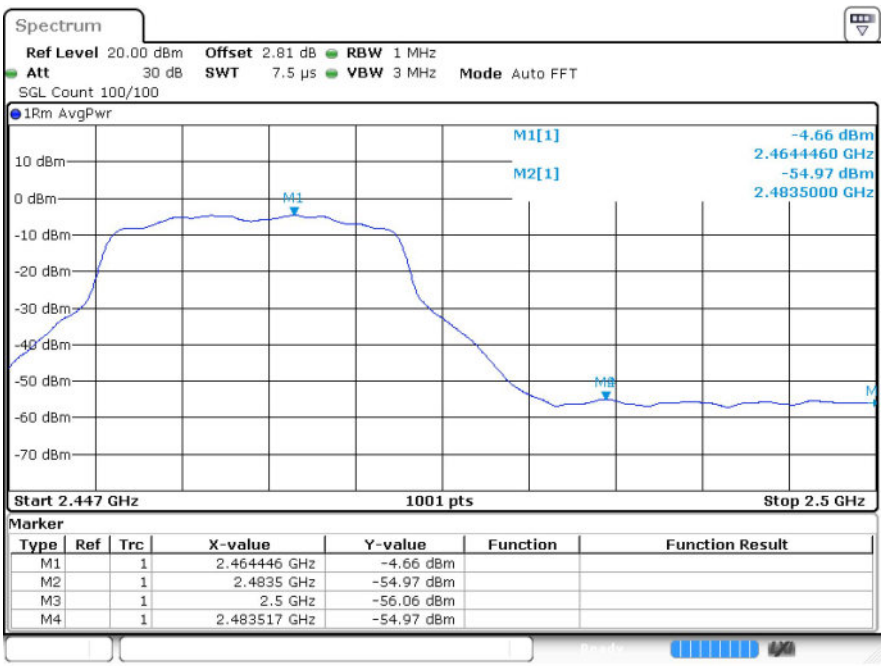
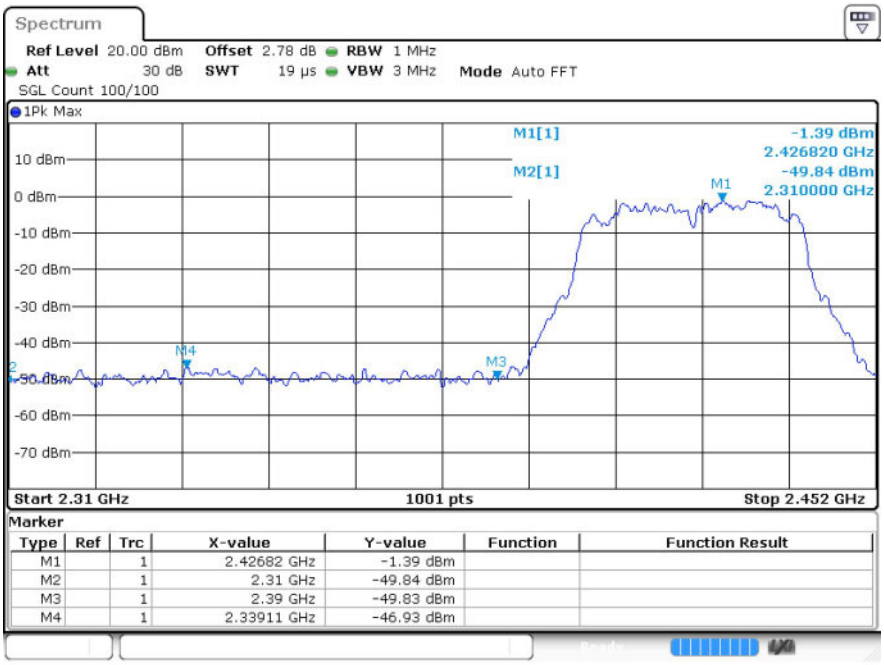
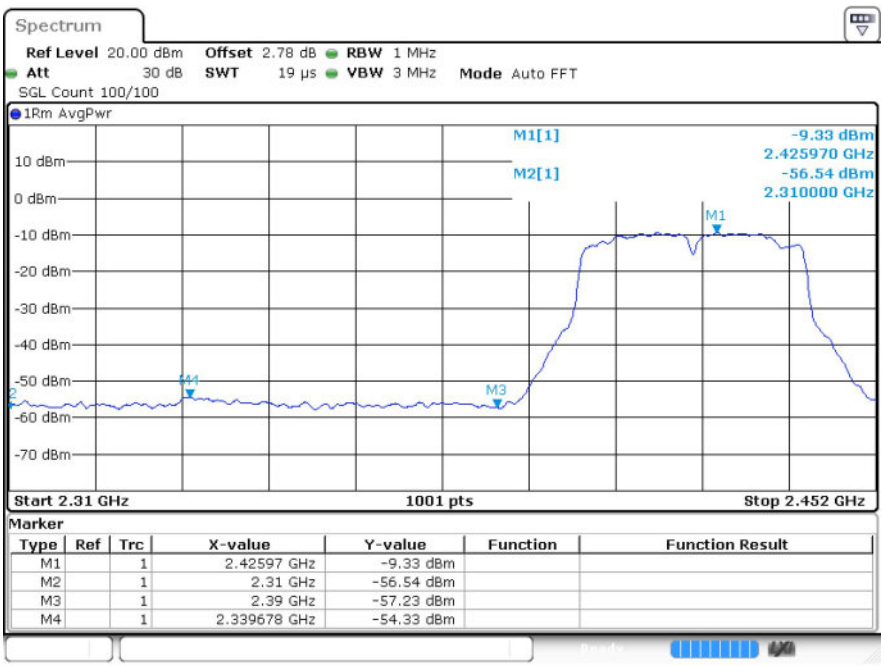


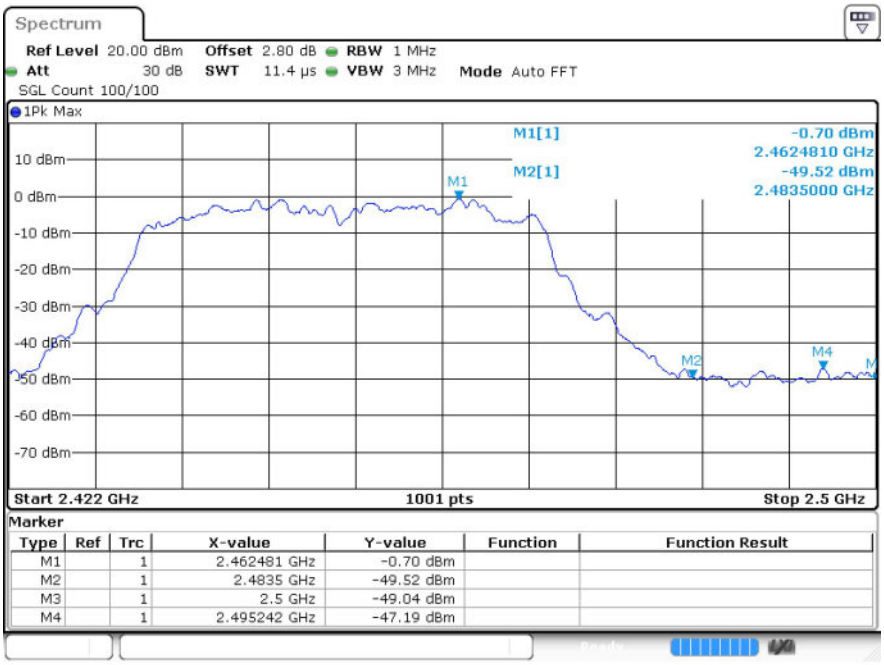
n40 2422MHz Ant1 Peak



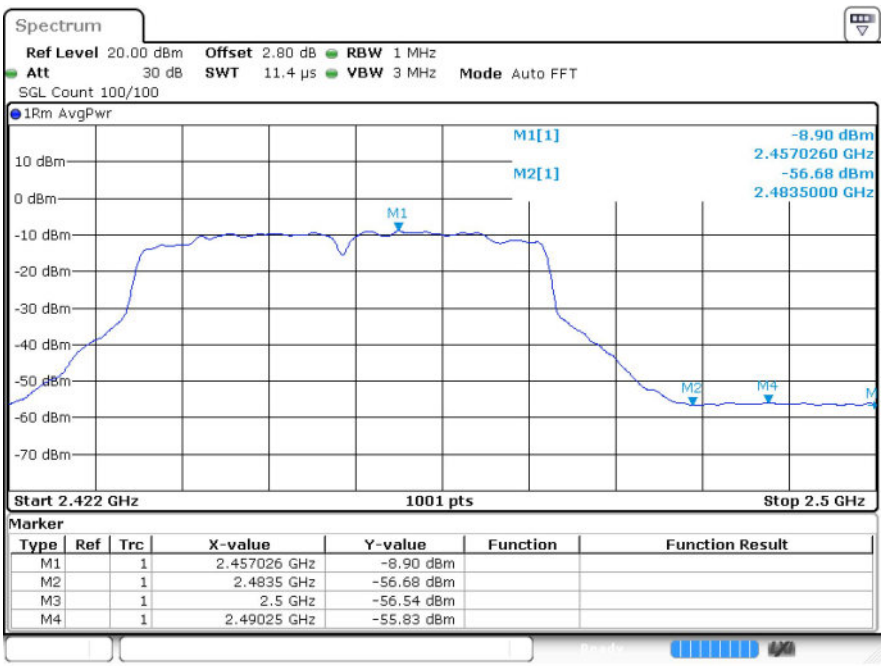
n40 2422MHz Ant1 Average



n40 2452MHz Ant1 Peak



n40 2452MHz Ant1 Average



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