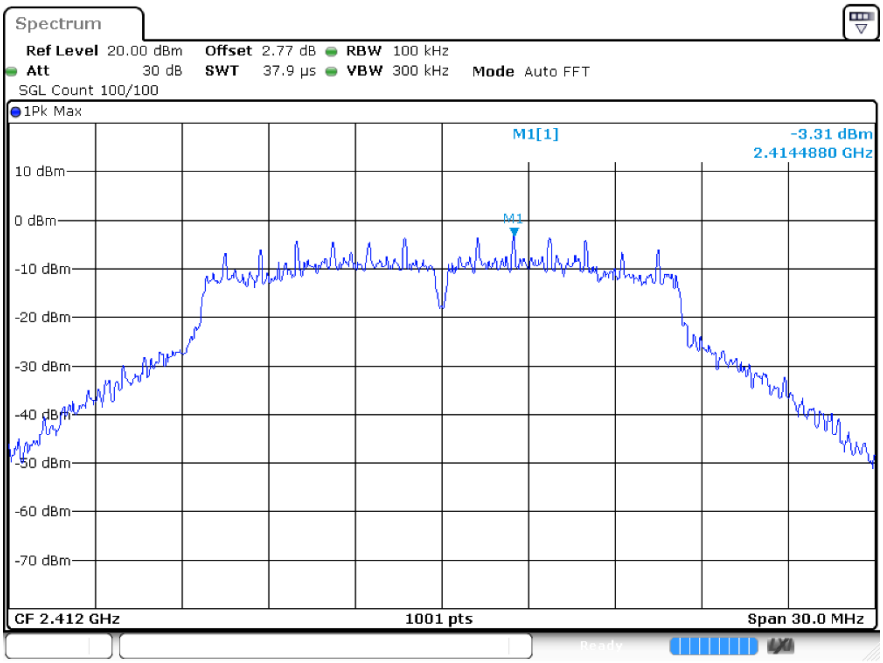
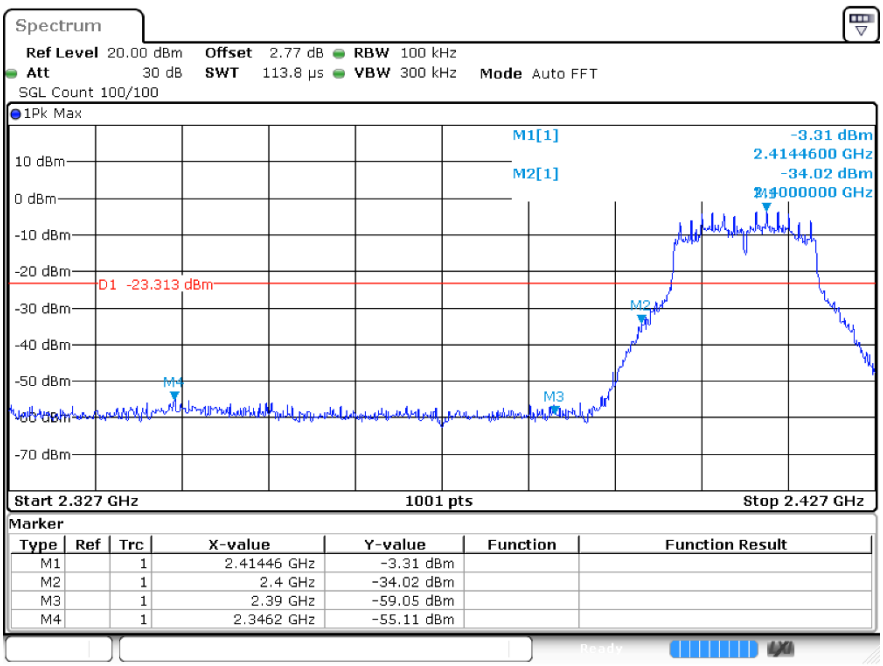
g 2412MHz Ant0 Ref



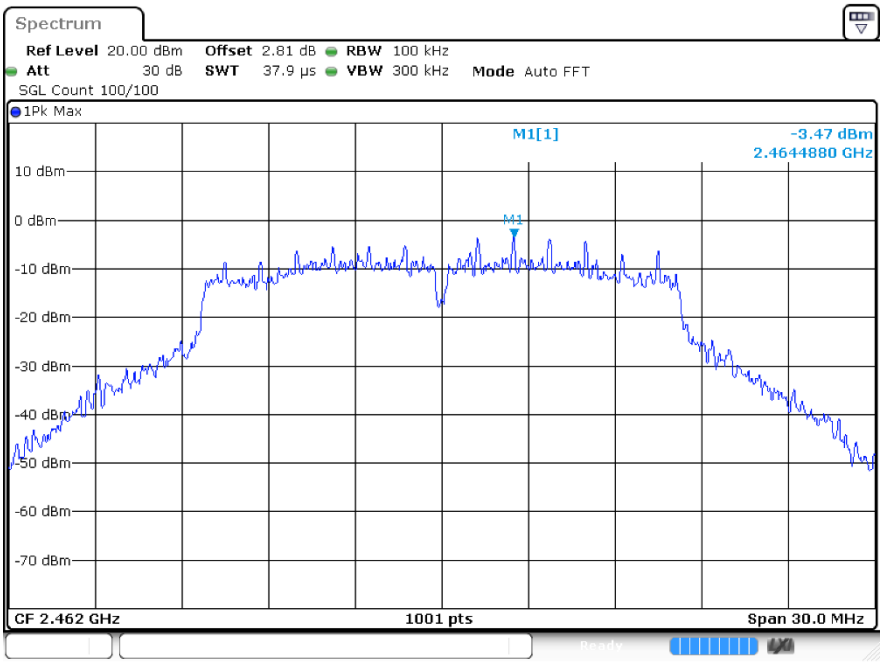
g 2412MHz Ant0 Emission



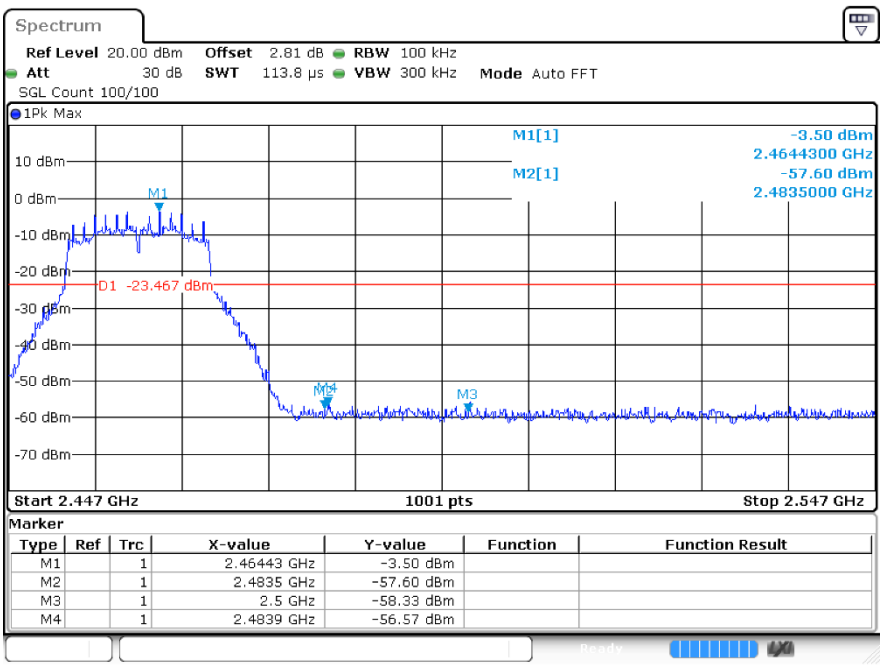
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41446 GHz	-3.31 dBm		
M2		1	2.4 GHz	-34.02 dBm		
M3		1	2.39 GHz	-59.05 dBm		
M4		1	2.3462 GHz	-55.11 dBm		

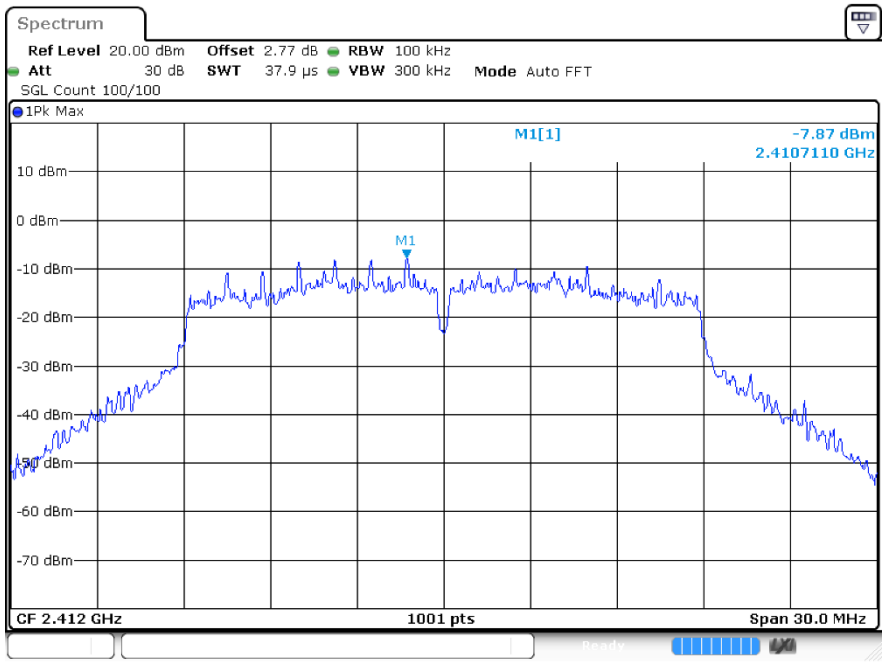
g 2462MHz Ant0 Ref



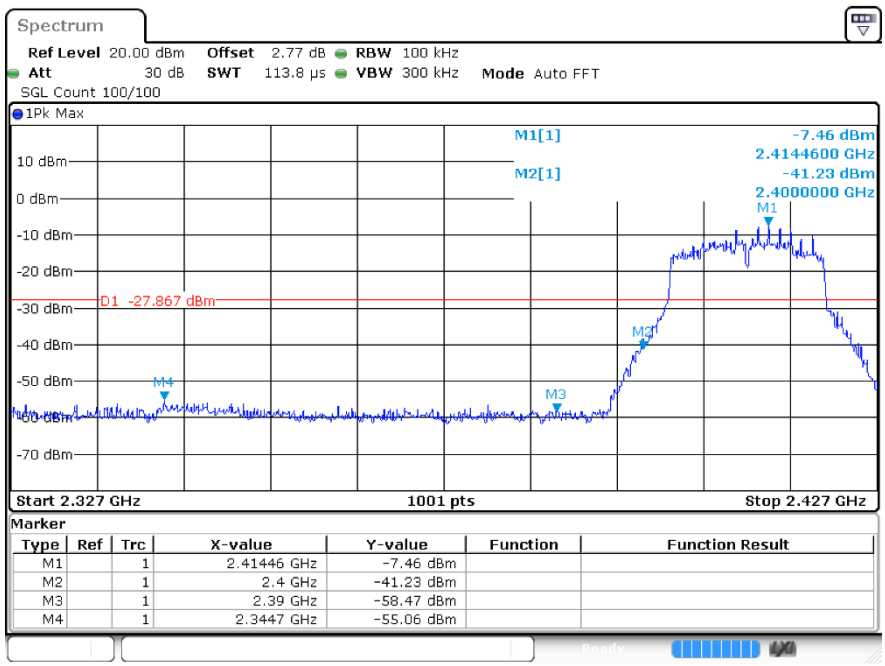
g 2462MHz Ant0 Emission



n20 2412MHz Ant0 Ref



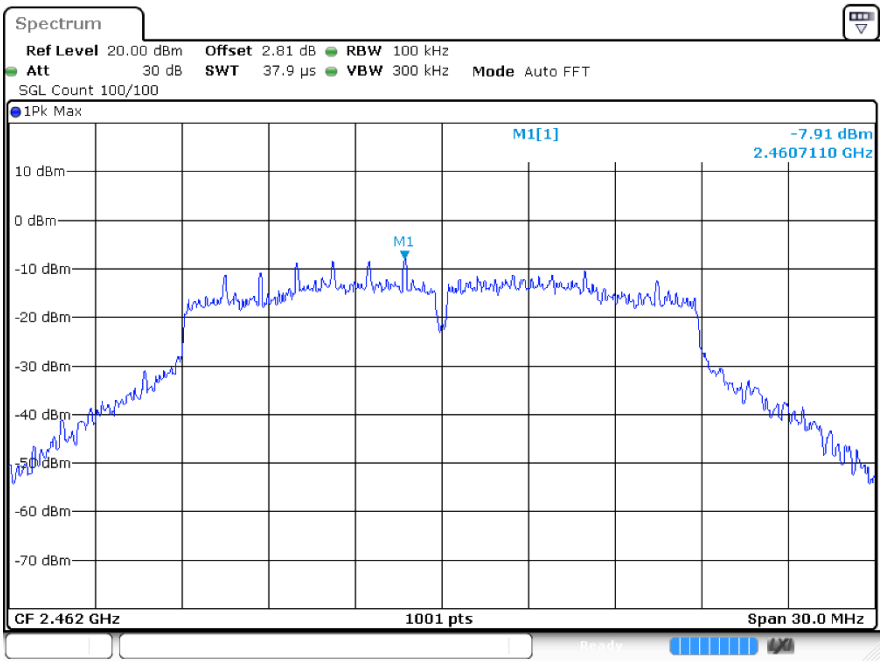
n20 2412MHz Ant0 Emission



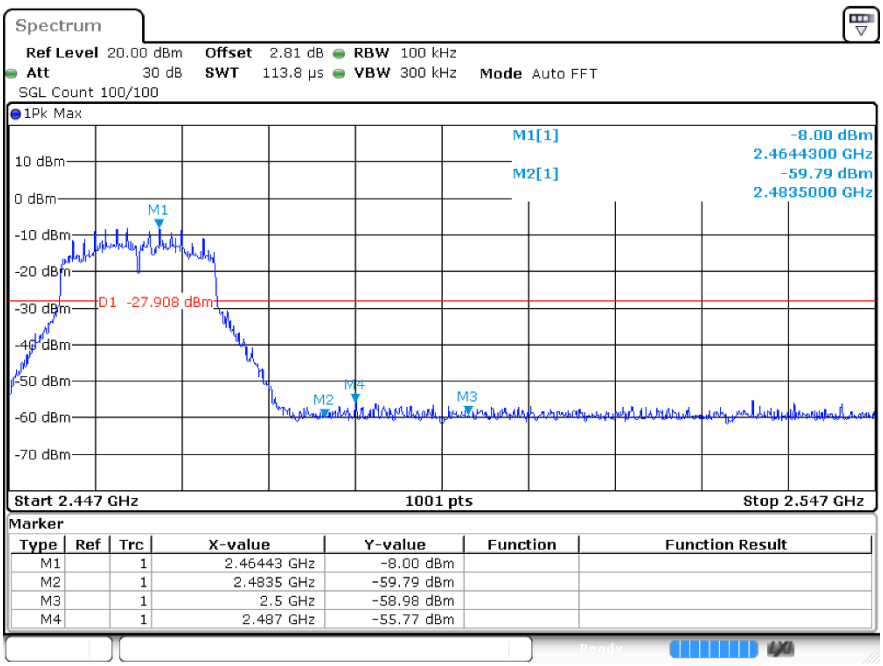
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41446 GHz	-7.46 dBm		
M2		1	2.4 GHz	-41.23 dBm		
M3		1	2.39 GHz	-58.47 dBm		
M4		1	2.3447 GHz	-55.06 dBm		

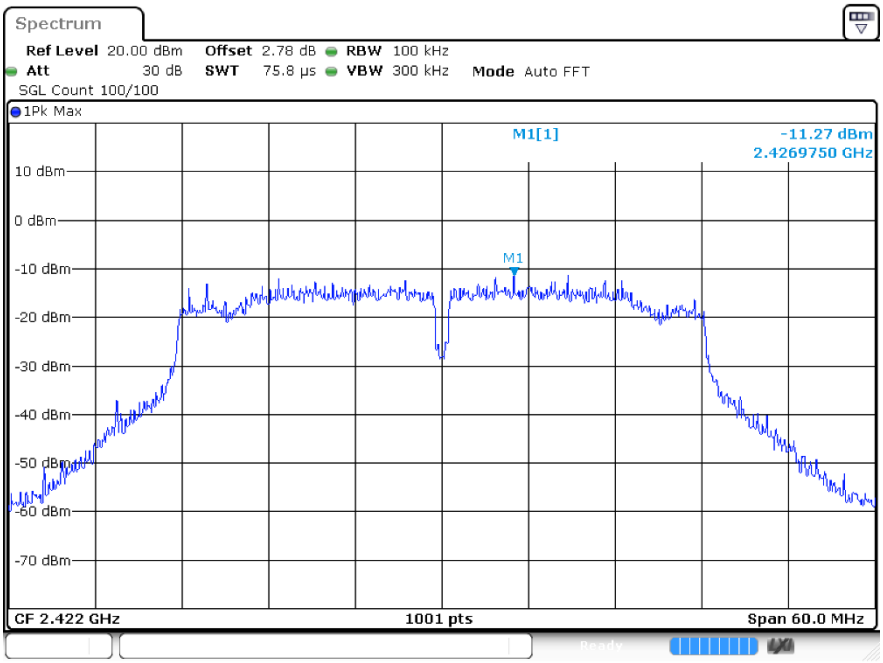
n20 2462MHz Ant0 Ref



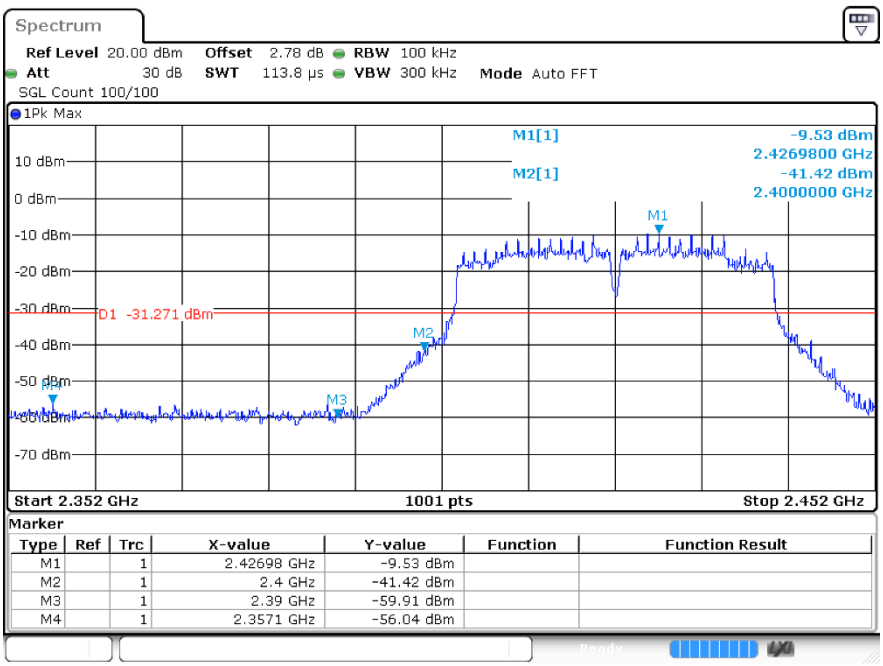
n20 2462MHz Ant0 Emission



n40 2422MHz Ant0 Ref



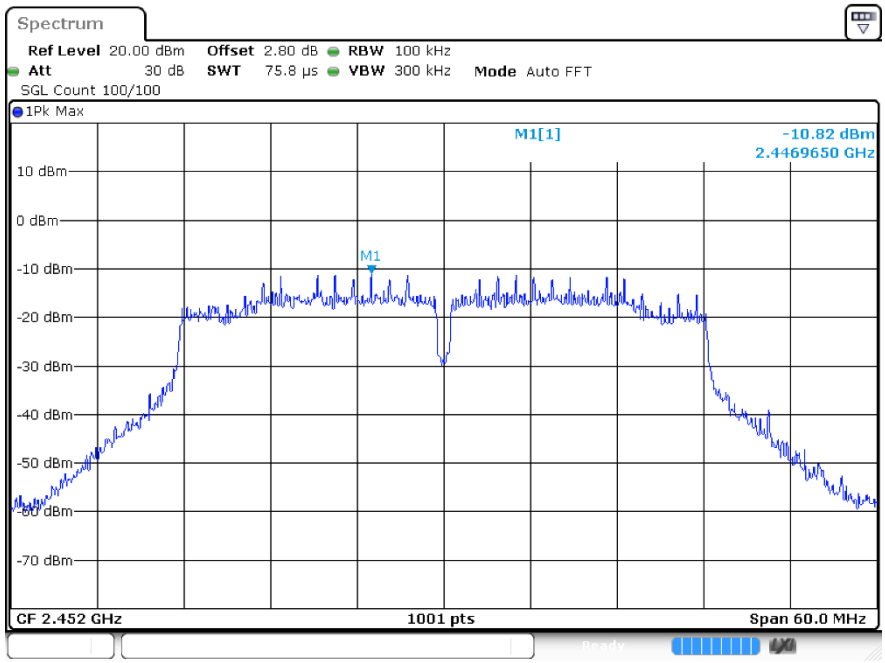
n40 2422MHz Ant0 Emission



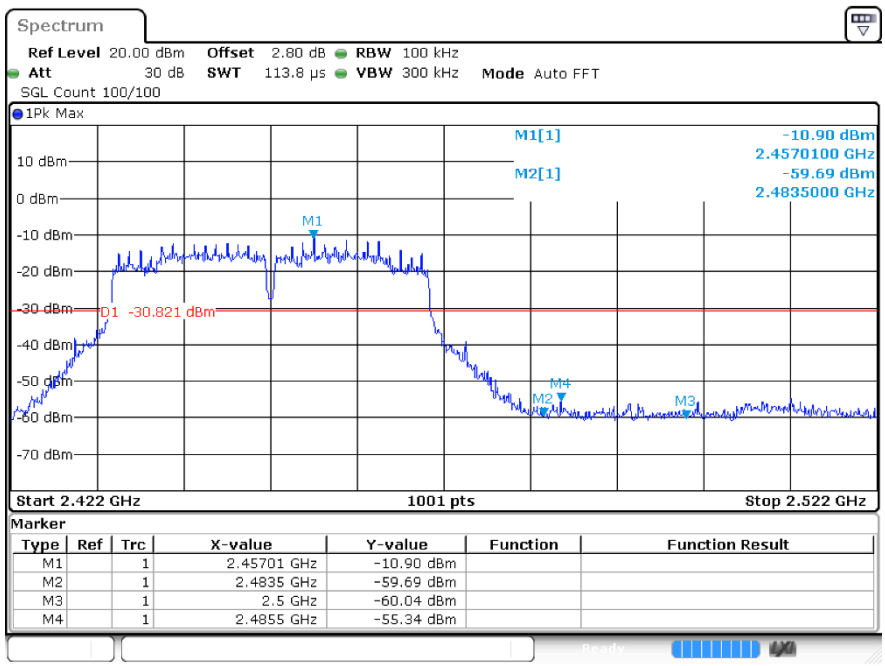
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42698 GHz	-9.53 dBm		
M2		1	2.4 GHz	-41.42 dBm		
M3		1	2.39 GHz	-59.91 dBm		
M4		1	2.3571 GHz	-56.04 dBm		

n40 2452MHz Ant0 Ref



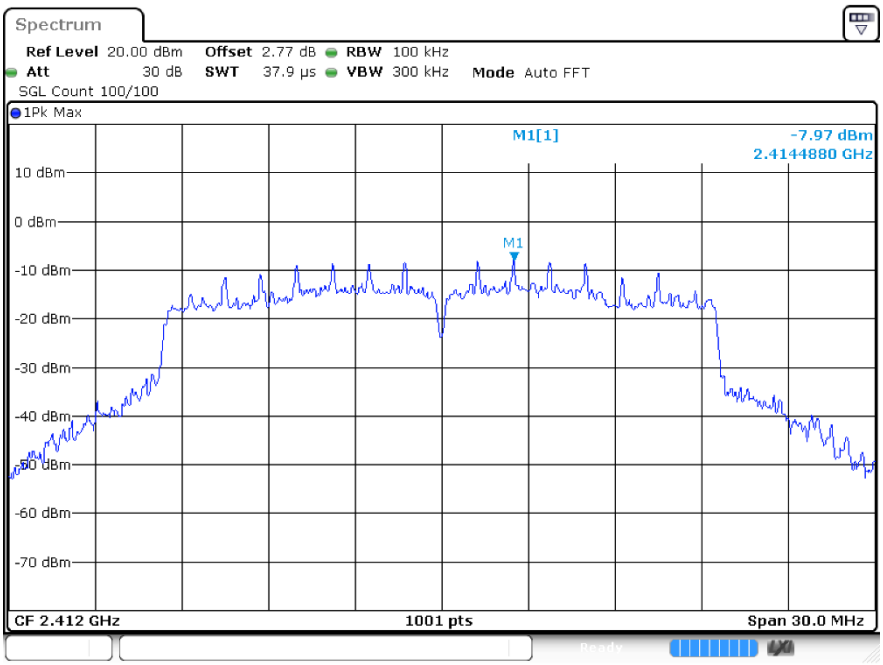
n40 2452MHz Ant0 Emission



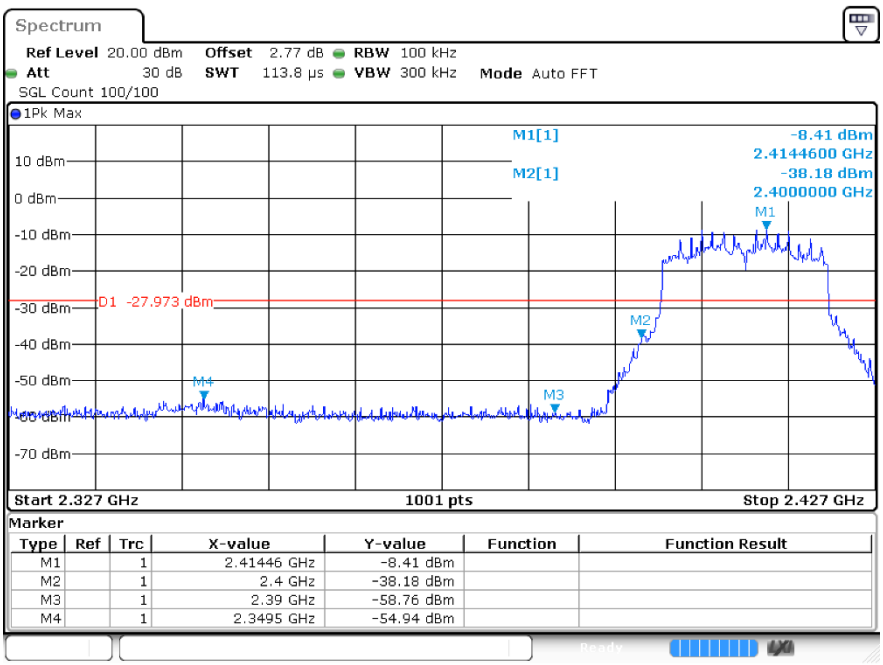
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45701 GHz	-10.90 dBm		
M2		1	2.4835 GHz	-59.69 dBm		
M3		1	2.5 GHz	-60.04 dBm		
M4		1	2.4855 GHz	-55.34 dBm		

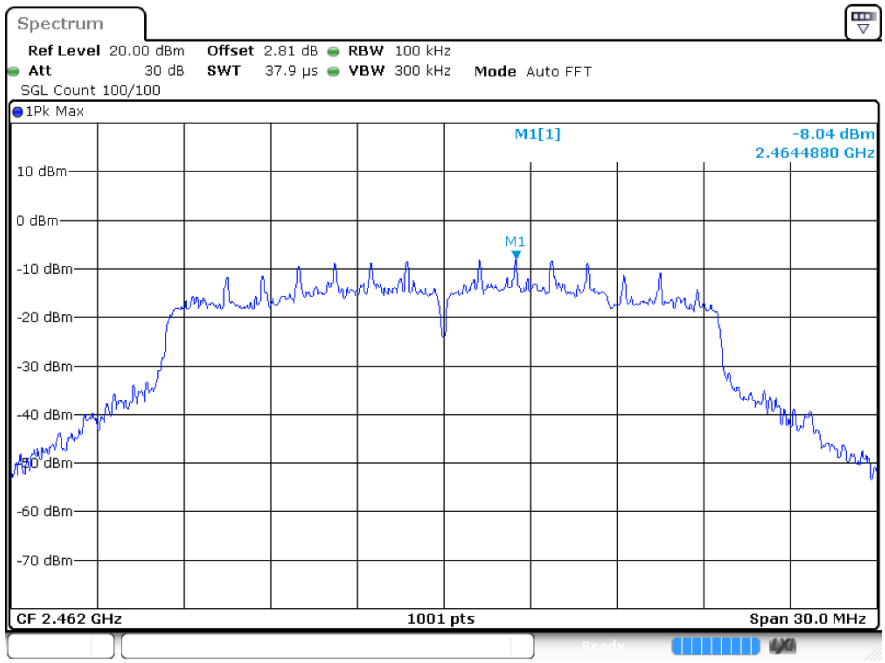
ax20 2412MHz Ant0 Ref



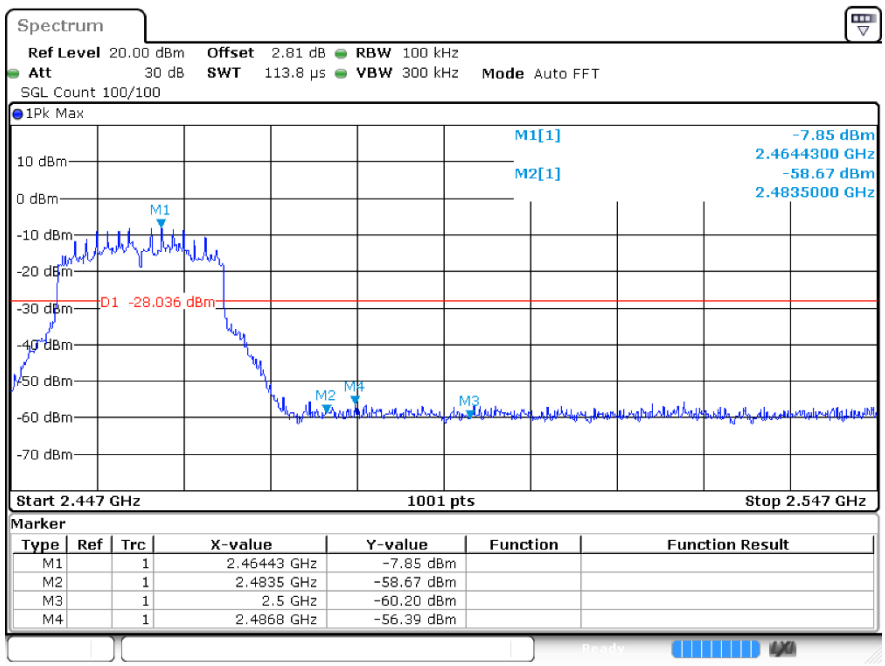
ax20 2412MHz Ant0 Emission



ax20 2462MHz Ant0 Ref



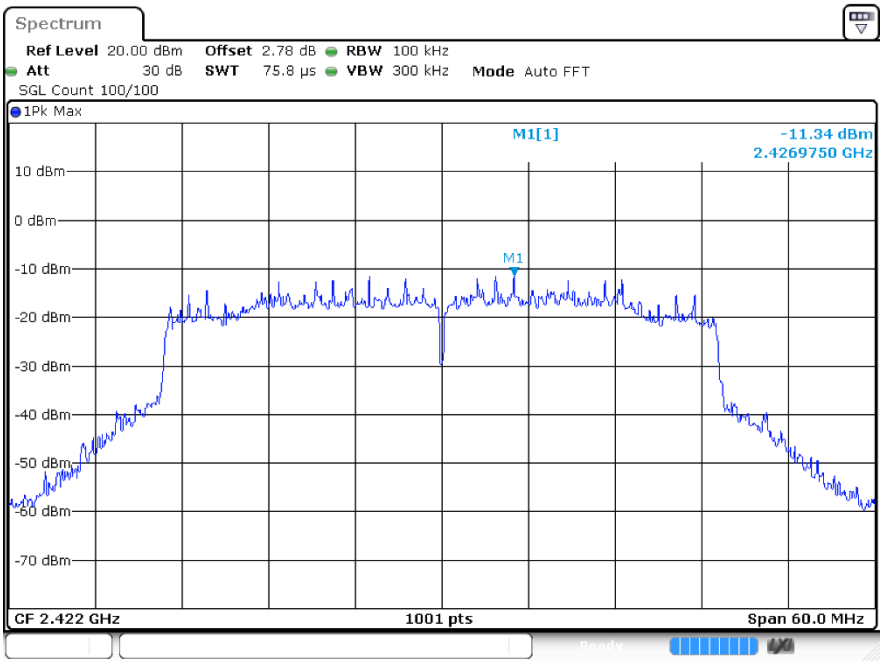
ax20 2462MHz Ant0 Emission



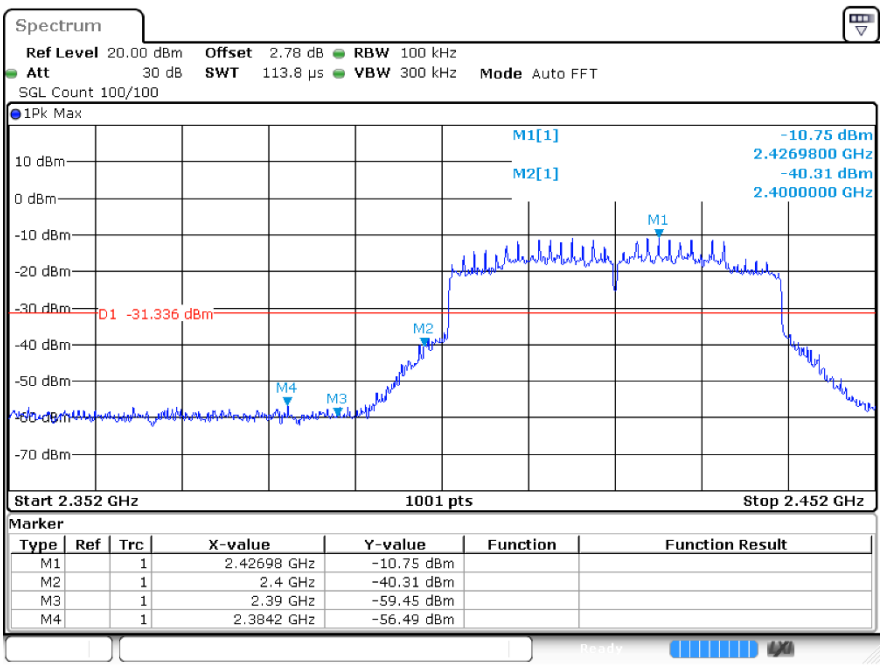
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-7.85 dBm		
M2		1	2.4835 GHz	-58.67 dBm		
M3		1	2.5 GHz	-60.20 dBm		
M4		1	2.4868 GHz	-56.39 dBm		

ax40 2422MHz Ant0 Ref



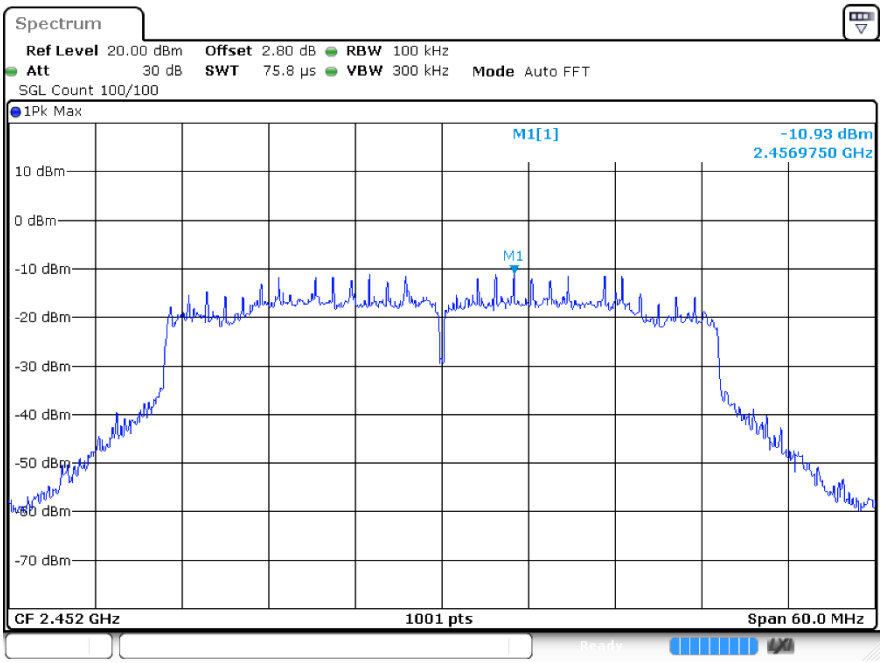
ax40 2422MHz Ant0 Emission



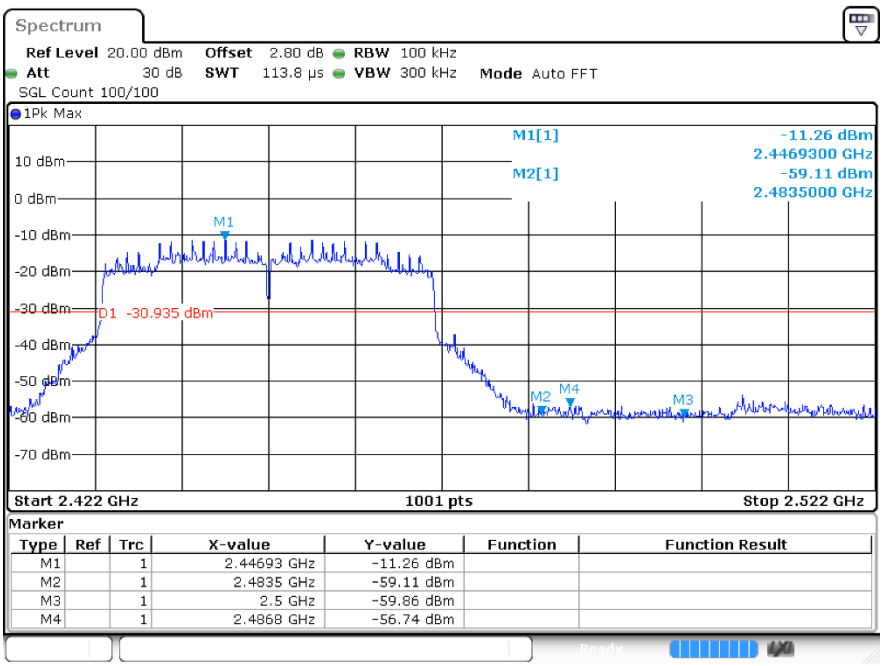
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42698 GHz	-10.75 dBm		
M2		1	2.4 GHz	-40.31 dBm		
M3		1	2.39 GHz	-59.45 dBm		
M4		1	2.3842 GHz	-56.49 dBm		

ax40 2452MHz Ant0 Ref



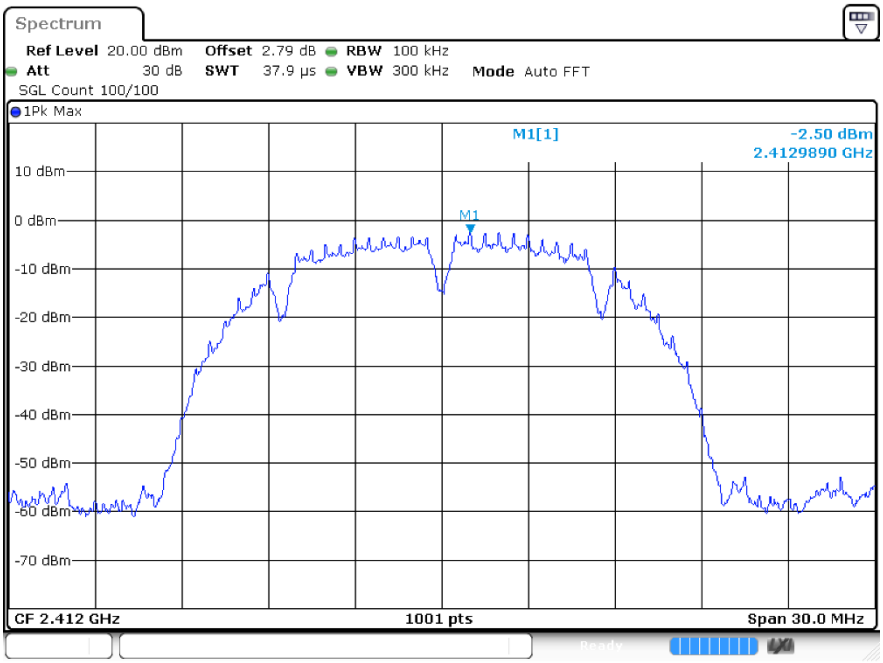
ax40 2452MHz Ant0 Emission



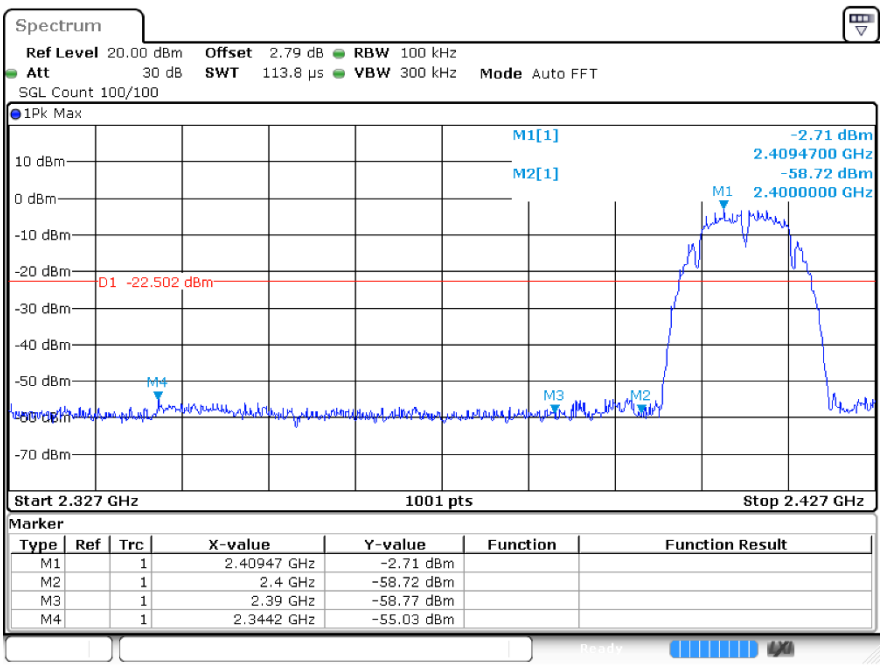
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44693 GHz	-11.26 dBm		
M2		1	2.4835 GHz	-59.11 dBm		
M3		1	2.5 GHz	-59.86 dBm		
M4		1	2.4868 GHz	-56.74 dBm		

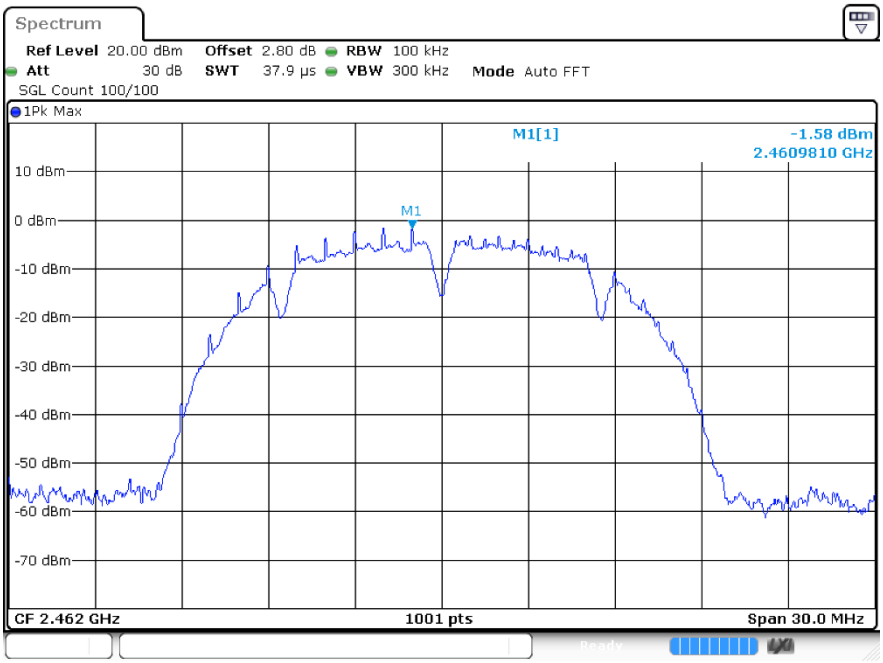
b 2412MHz Ant1 Ref



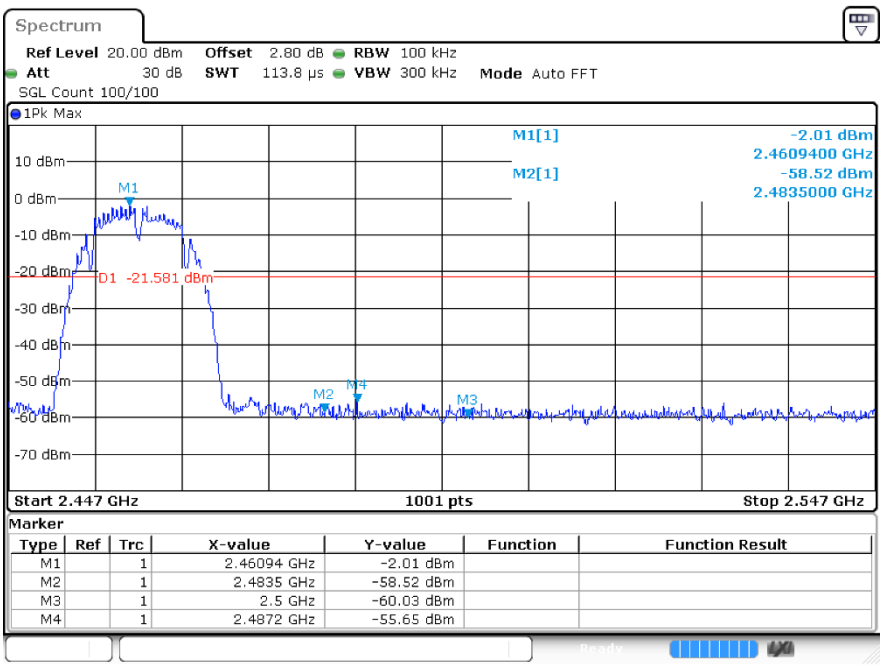
b 2412MHz Ant1 Emission



b 2462MHz Ant1 Ref



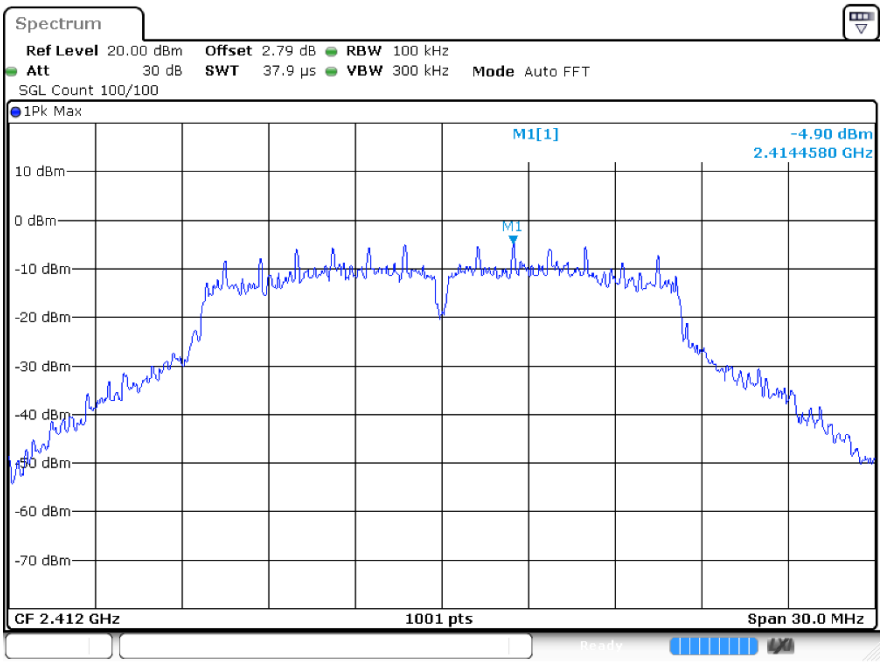
b 2462MHz Ant1 Emission



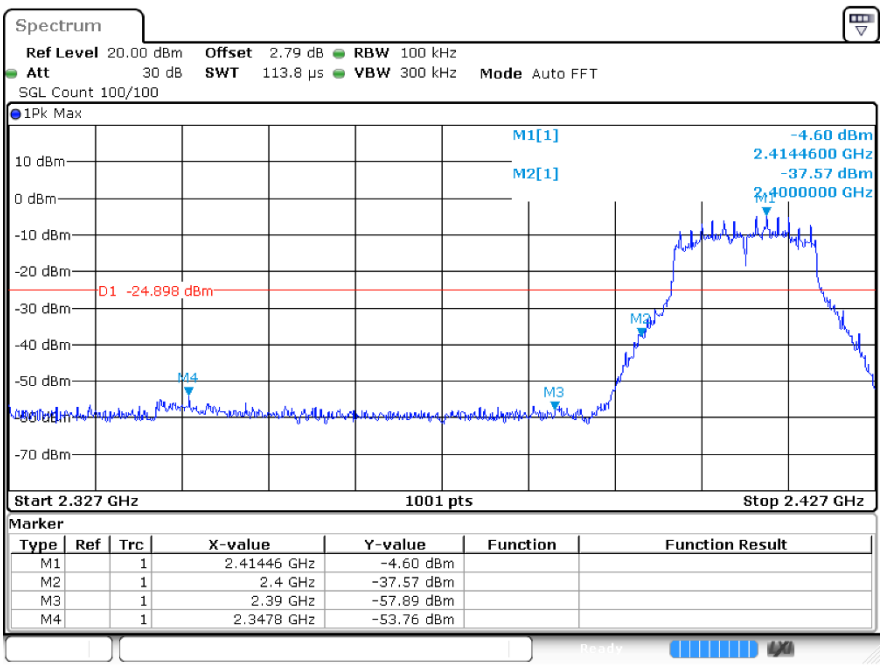
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46094 GHz	-2.01 dBm		
M2		1	2.4835 GHz	-58.52 dBm		
M3		1	2.5 GHz	-60.03 dBm		
M4		1	2.4872 GHz	-55.65 dBm		

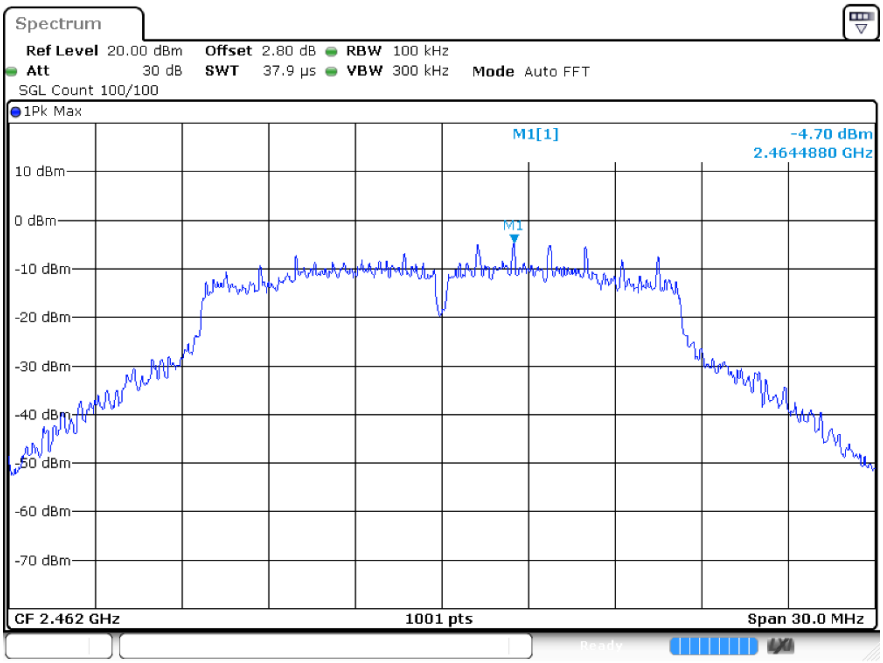
g 2412MHz Ant1 Ref



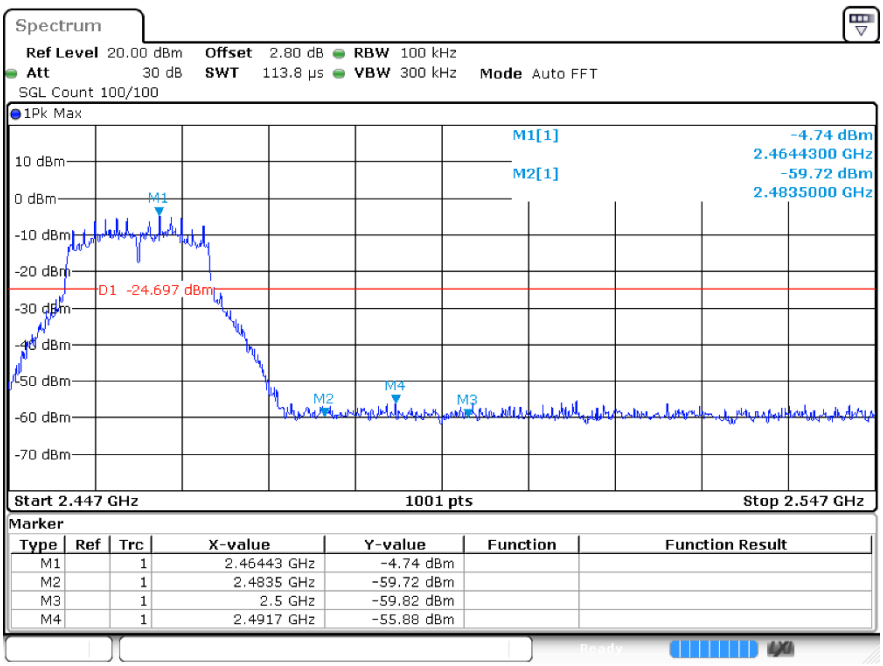
g 2412MHz Ant1 Emission



g 2462MHz Ant1 Ref

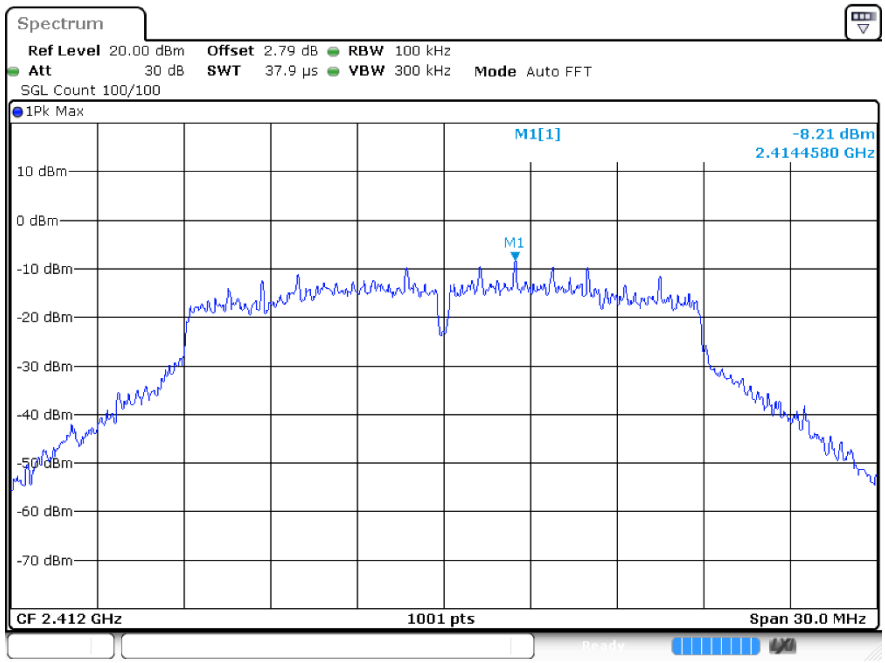


g 2462MHz Ant1 Emission

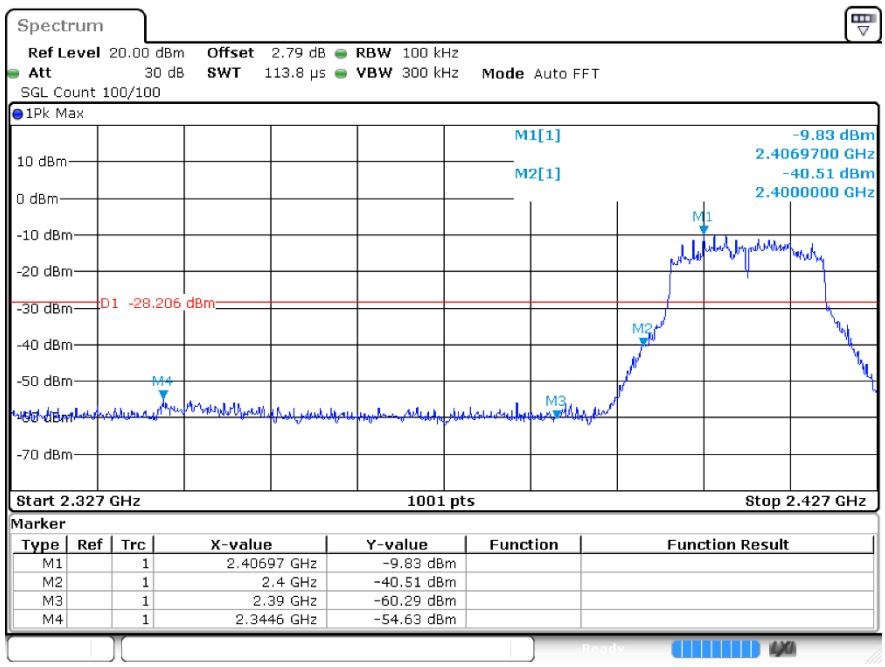


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-4.74 dBm		
M2		1	2.4835 GHz	-59.72 dBm		
M3		1	2.5 GHz	-59.82 dBm		
M4		1	2.4917 GHz	-55.88 dBm		

n20 2412MHz Ant1 Ref



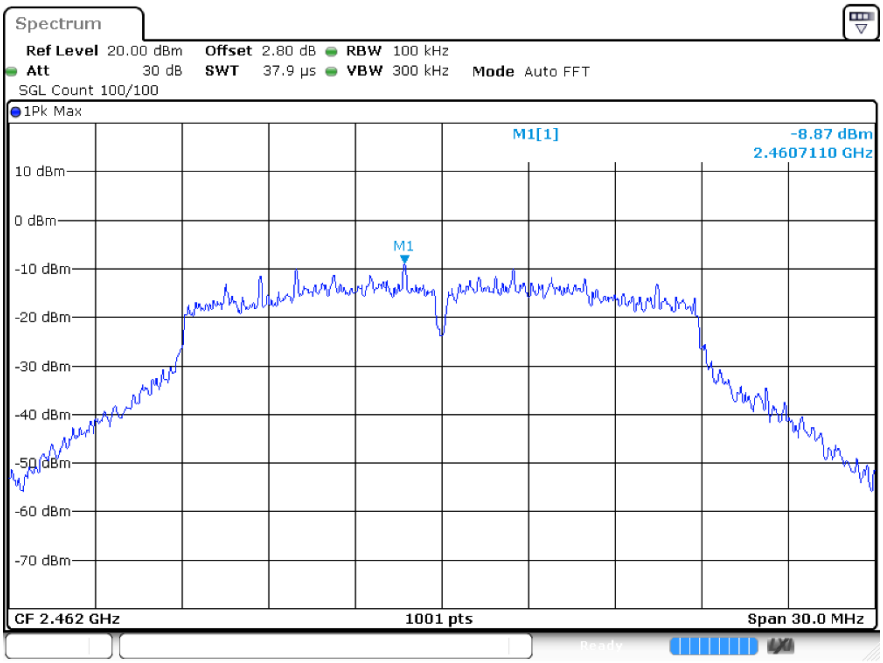
n20 2412MHz Ant1 Emission



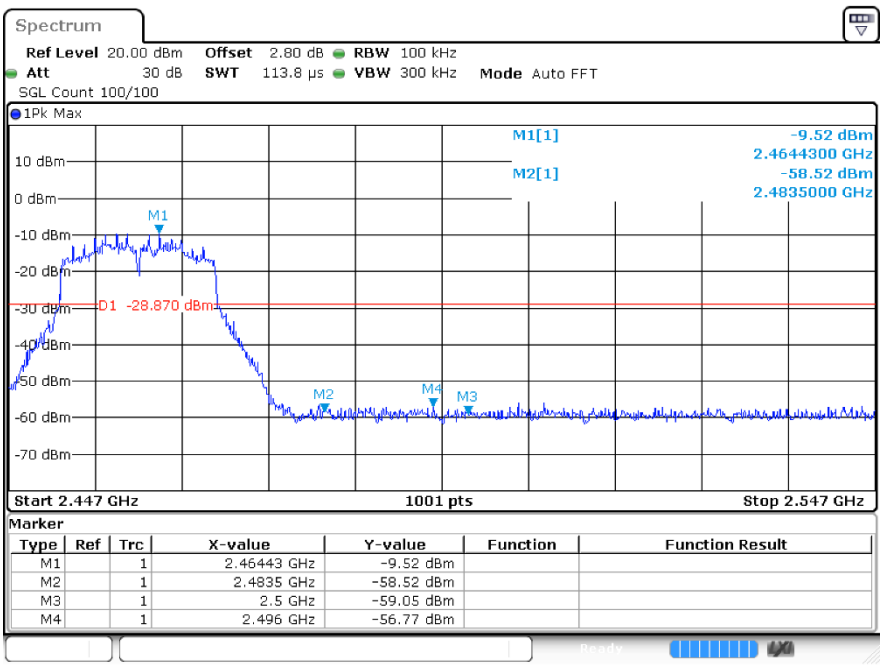
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40697 GHz	-9.83 dBm		
M2		1	2.4 GHz	-40.51 dBm		
M3		1	2.39 GHz	-60.29 dBm		
M4		1	2.3446 GHz	-54.63 dBm		

n20 2462MHz Ant1 Ref



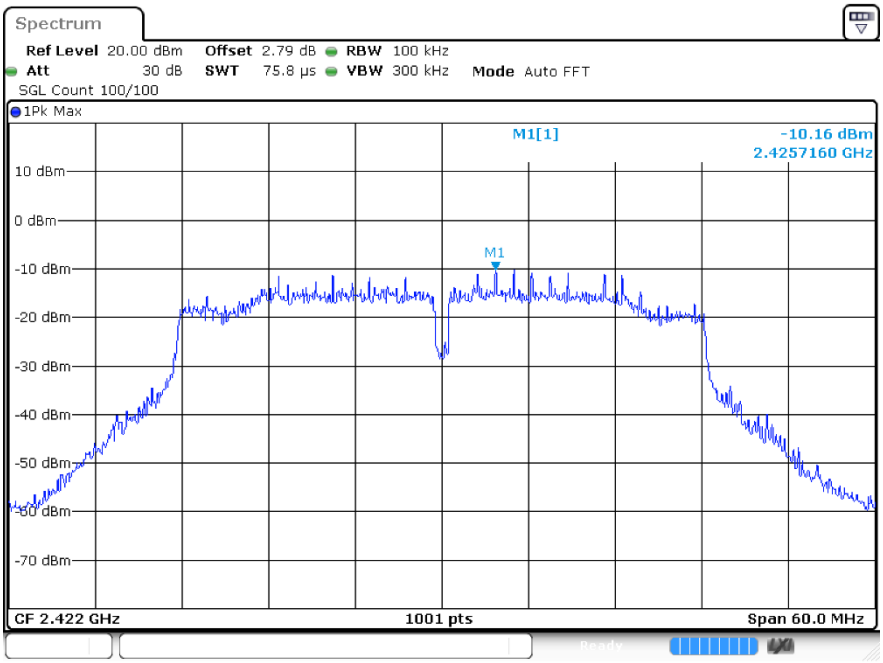
n20 2462MHz Ant1 Emission



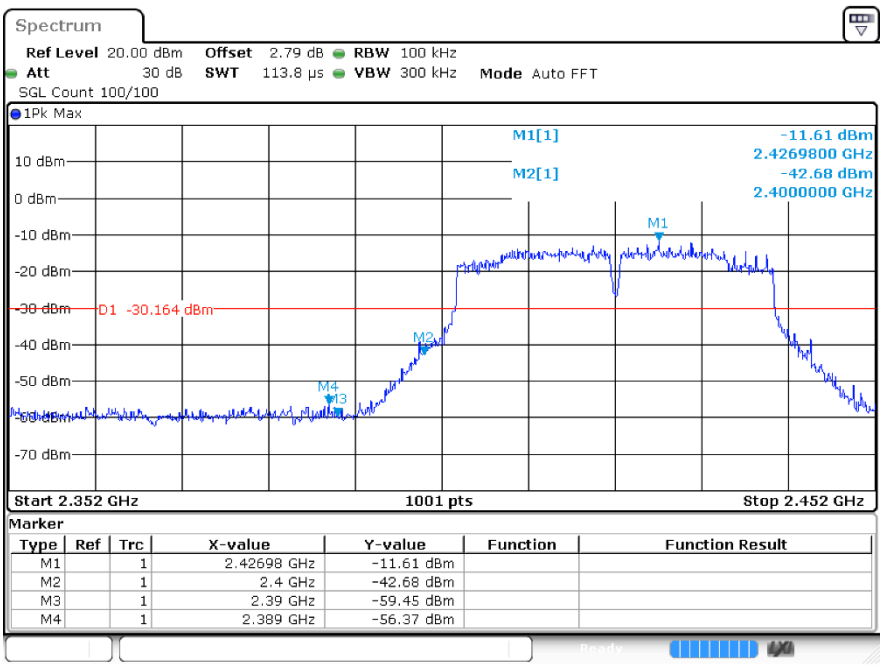
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-9.52 dBm		
M2		1	2.4835 GHz	-58.52 dBm		
M3		1	2.5 GHz	-59.05 dBm		
M4		1	2.496 GHz	-56.77 dBm		

n40 2422MHz Ant1 Ref



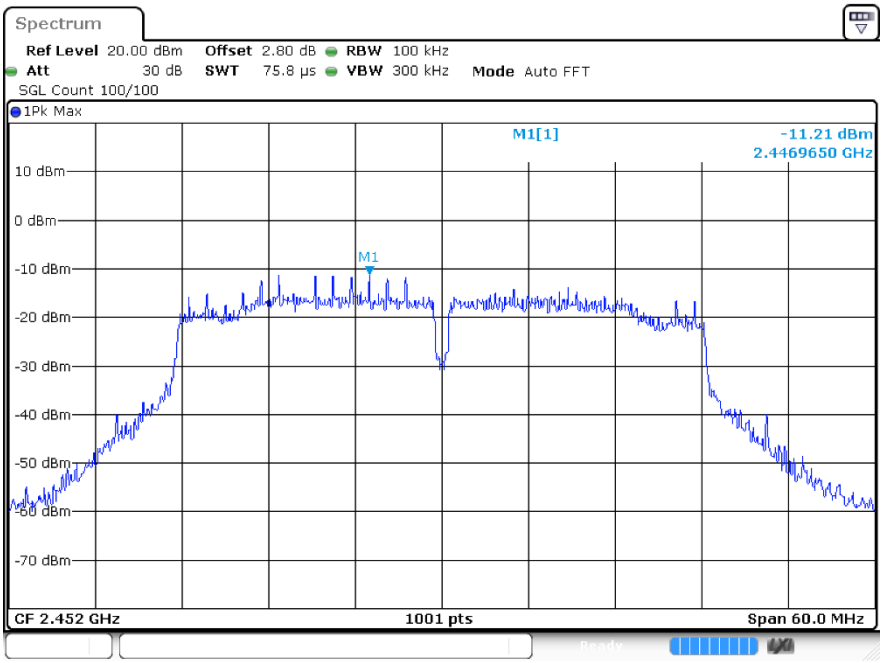
n40 2422MHz Ant1 Emission



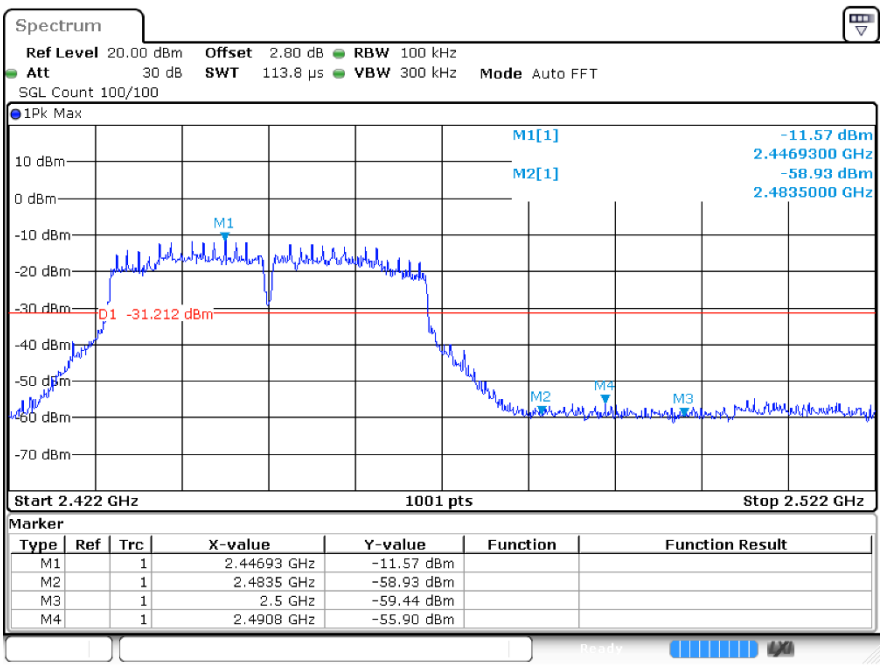
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42698 GHz	-11.61 dBm		
M2		1	2.4 GHz	-42.68 dBm		
M3		1	2.39 GHz	-59.45 dBm		
M4		1	2.389 GHz	-56.37 dBm		

n40 2452MHz Ant1 Ref



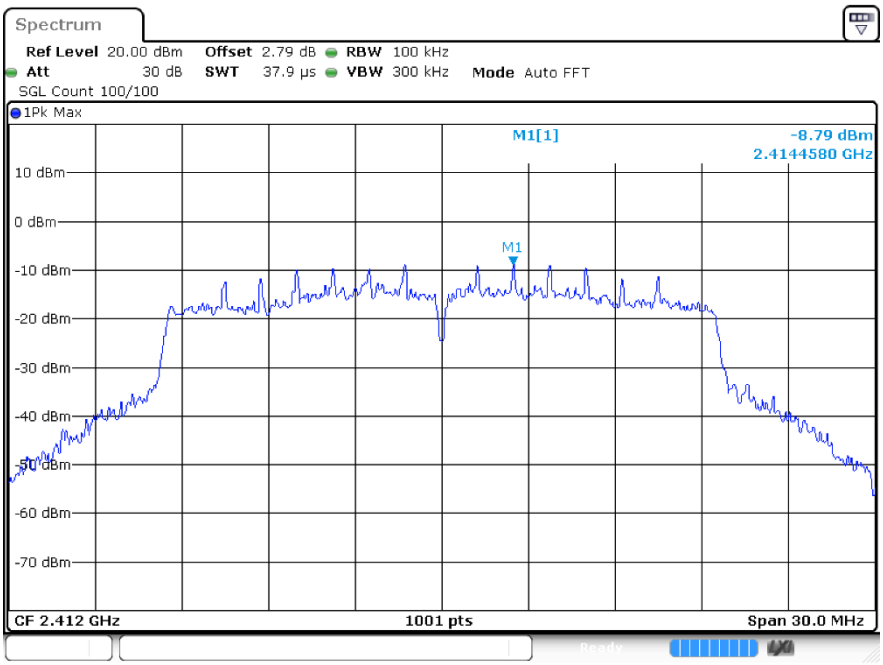
n40 2452MHz Ant1 Emission



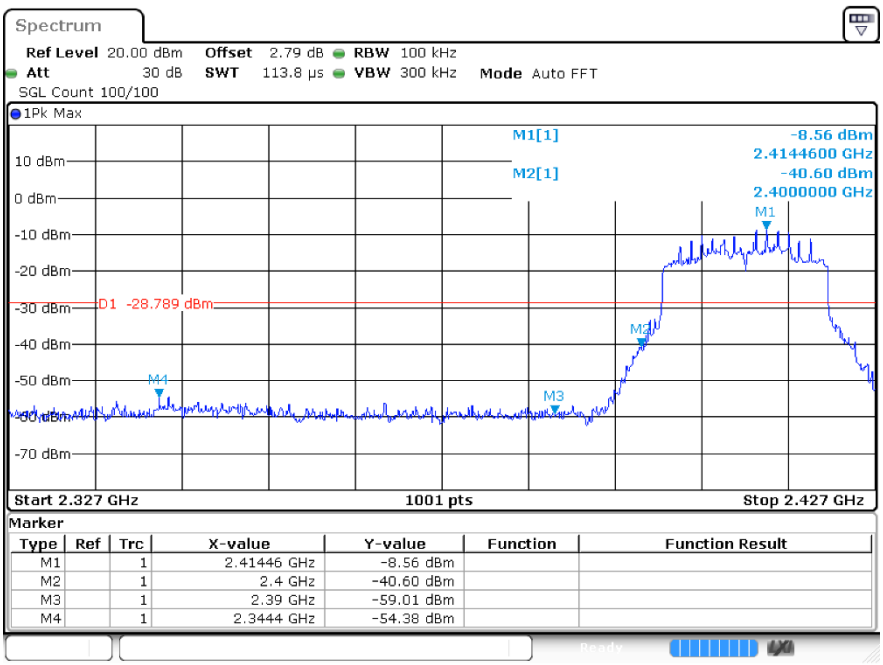
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44693 GHz	-11.57 dBm		
M2		1	2.4835 GHz	-58.93 dBm		
M3		1	2.5 GHz	-59.44 dBm		
M4		1	2.4908 GHz	-55.90 dBm		

ax20 2412MHz Ant1 Ref



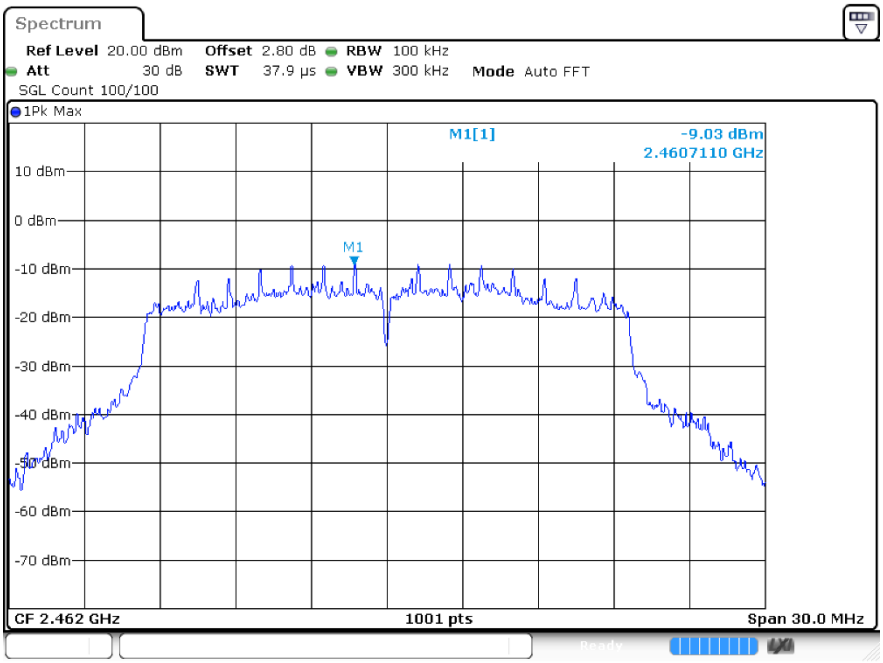
ax20 2412MHz Ant1 Emission



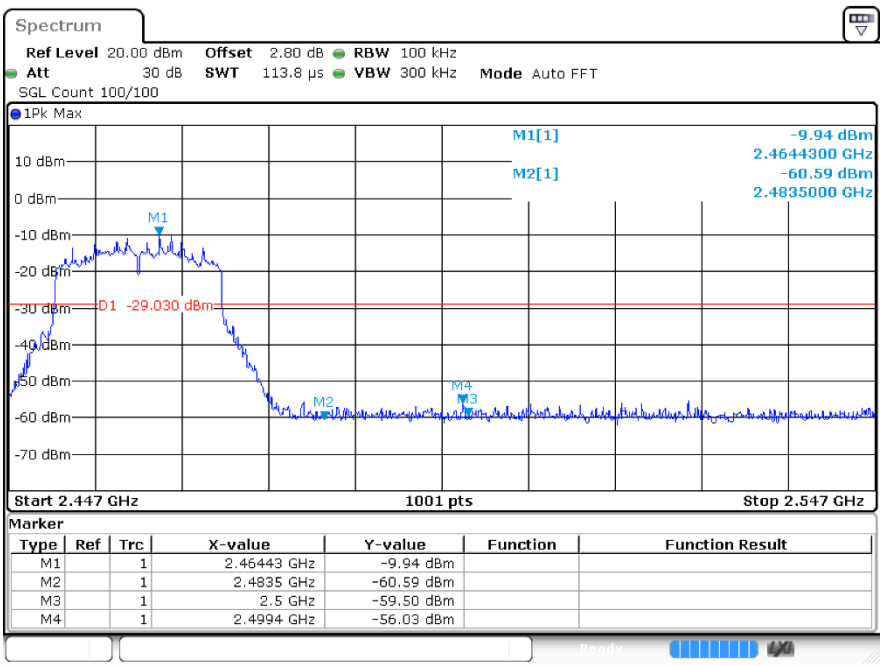
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41446 GHz	-8.56 dBm		
M2		1	2.4 GHz	-40.60 dBm		
M3		1	2.39 GHz	-59.01 dBm		
M4		1	2.3444 GHz	-54.38 dBm		

ax20 2462MHz Ant1 Ref



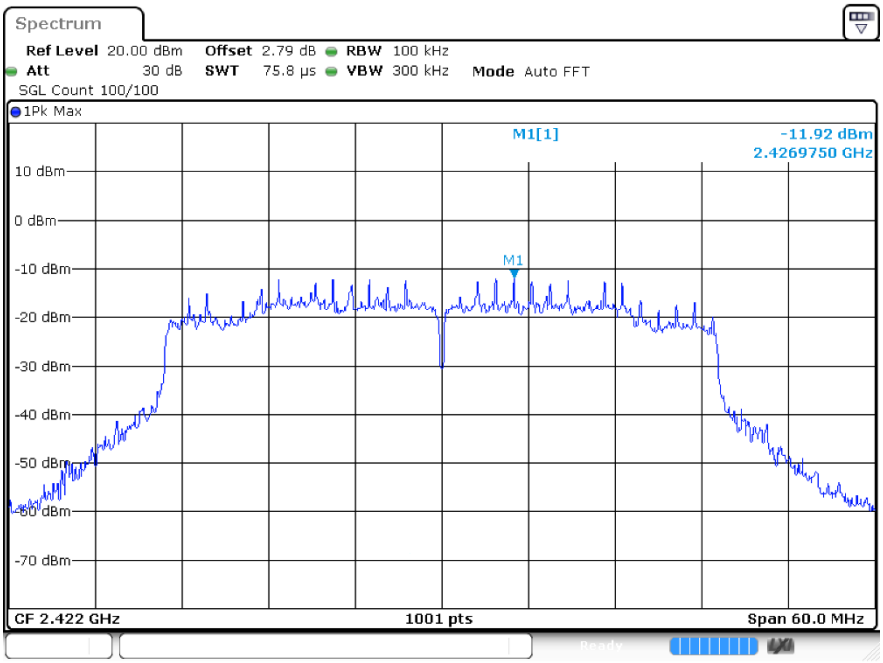
ax20 2462MHz Ant1 Emission



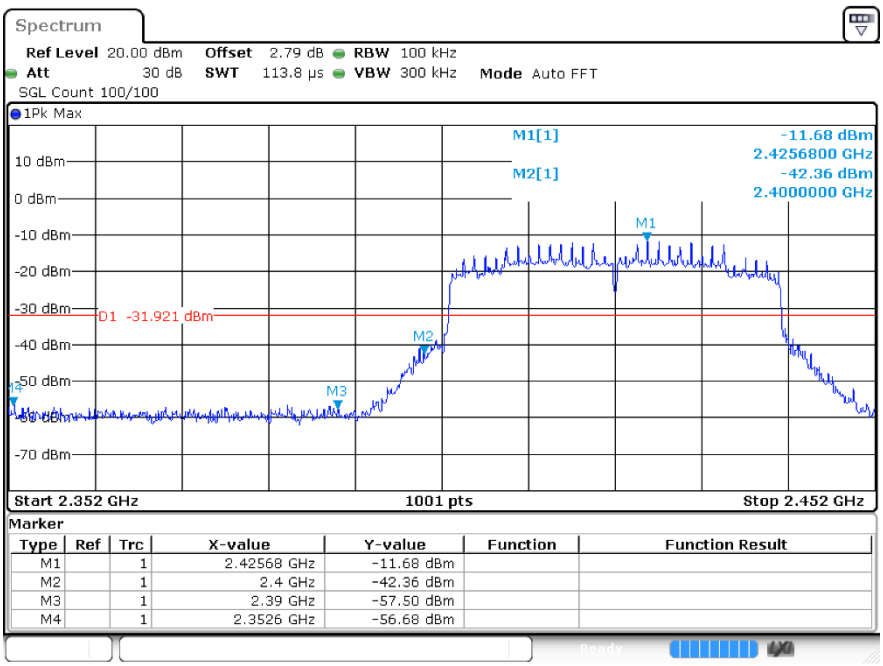
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-9.94 dBm		
M2		1	2.4835 GHz	-60.59 dBm		
M3		1	2.5 GHz	-59.50 dBm		
M4		1	2.4994 GHz	-56.03 dBm		

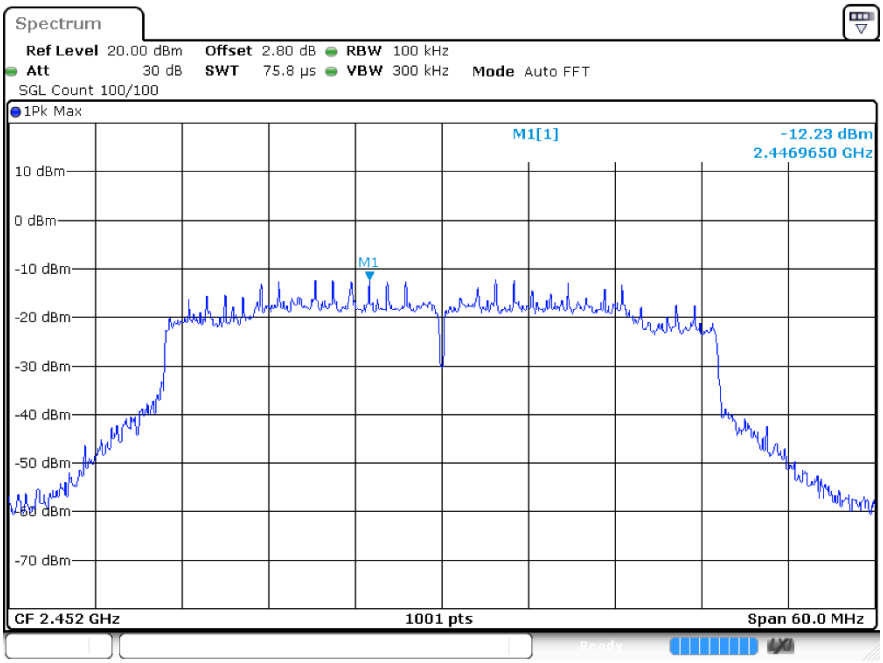
ax40 2422MHz Ant1 Ref



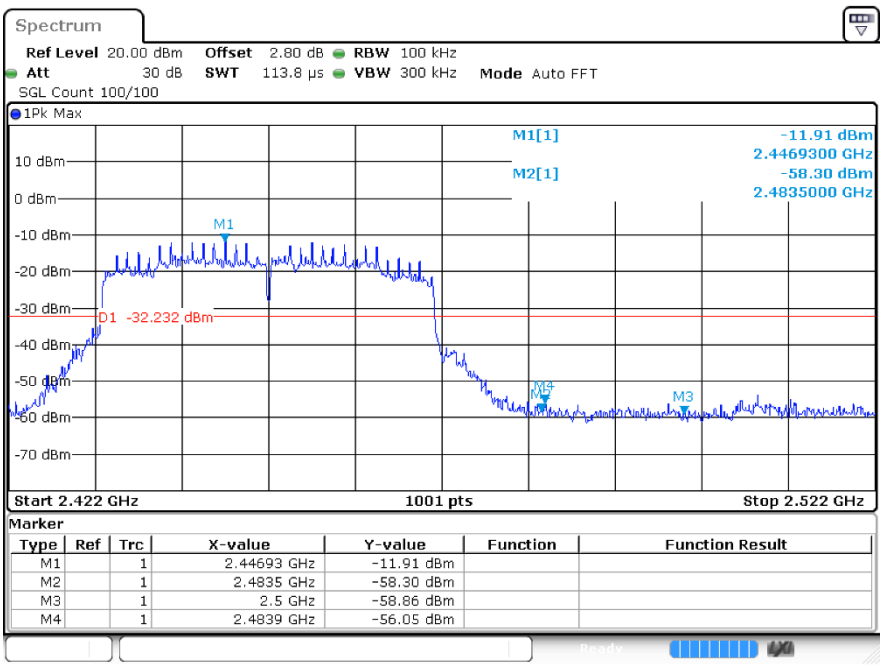
ax40 2422MHz Ant1 Emission



ax40 2452MHz Ant1 Ref



ax40 2452MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44693 GHz	-11.91 dBm		
M2		1	2.4835 GHz	-58.30 dBm		
M3		1	2.5 GHz	-58.86 dBm		
M4		1	2.4839 GHz	-56.05 dBm		

6 Conducted RF Spurious Emission

6.1 Test Result

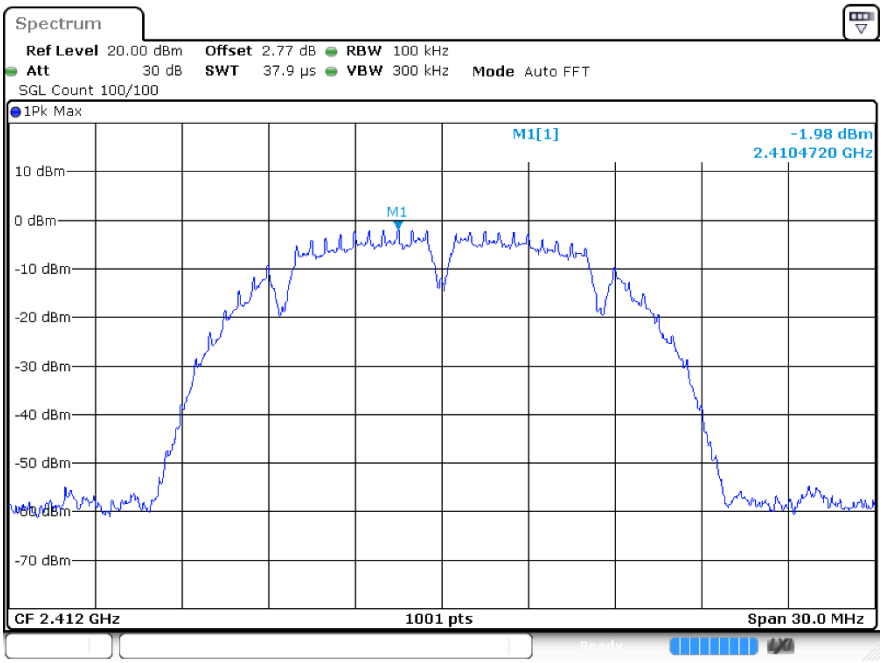
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant0	-41.1	-20	Pass
b	2437	Ant0	-42.69	-20	Pass
b	2462	Ant0	-39.87	-20	Pass
g	2412	Ant0	-39.79	-20	Pass
g	2437	Ant0	-39.91	-20	Pass
g	2462	Ant0	-39.14	-20	Pass
n20	2412	Ant0	-35.51	-20	Pass
n20	2437	Ant0	-36.3	-20	Pass
n20	2462	Ant0	-35.73	-20	Pass
n40	2422	Ant0	-33.84	-20	Pass
n40	2437	Ant0	-32.87	-20	Pass
n40	2452	Ant0	-31.82	-20	Pass
ax20	2412	Ant0	-35.54	-20	Pass
ax20	2437	Ant0	-35.89	-20	Pass
ax20	2462	Ant0	-35.52	-20	Pass
ax40	2422	Ant0	-30.42	-20	Pass
ax40	2437	Ant0	-32.11	-20	Pass
ax40	2452	Ant0	-32.71	-20	Pass
b	2412	Ant1	-41.41	-20	Pass
b	2437	Ant1	-40.36	-20	Pass
b	2462	Ant1	-41.78	-20	Pass
g	2412	Ant1	-38.8	-20	Pass
g	2437	Ant1	-39.24	-20	Pass
g	2462	Ant1	-38.58	-20	Pass
n20	2412	Ant1	-34.83	-20	Pass
n20	2437	Ant1	-35.41	-20	Pass
n20	2462	Ant1	-35.52	-20	Pass
n40	2422	Ant1	-33.24	-20	Pass
n40	2437	Ant1	-30.58	-20	Pass
n40	2452	Ant1	-31.26	-20	Pass
ax20	2412	Ant1	-35.06	-20	Pass
ax20	2437	Ant1	-34	-20	Pass
ax20	2462	Ant1	-33.79	-20	Pass
ax40	2422	Ant1	-31.4	-20	Pass

ax40	2437	Ant1	-29.99	-20	Pass
ax40	2452	Ant1	-31.29	-20	Pass

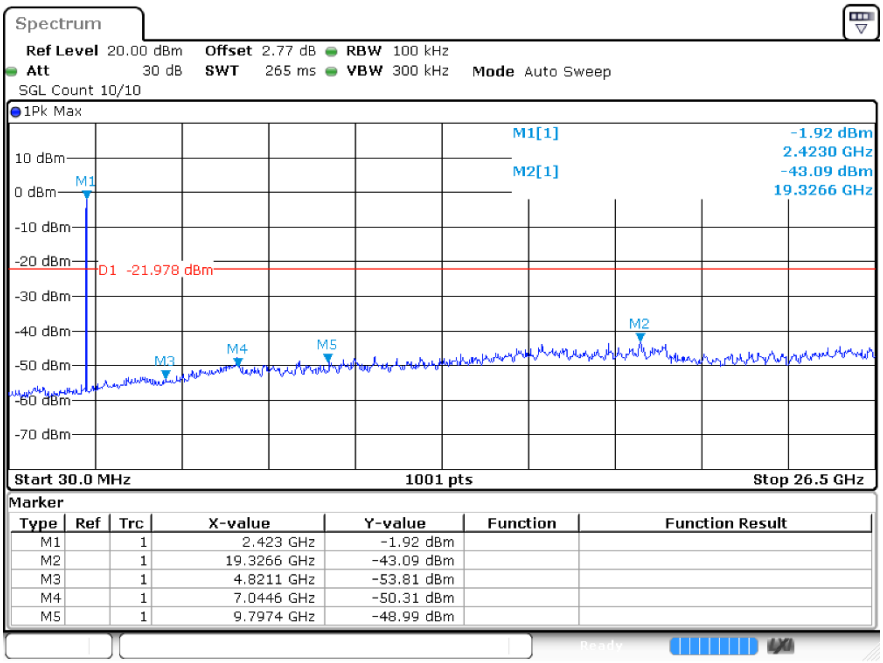
6.2 Test Graphs

Test Graphs

b 2412MHz Ant0 Ref



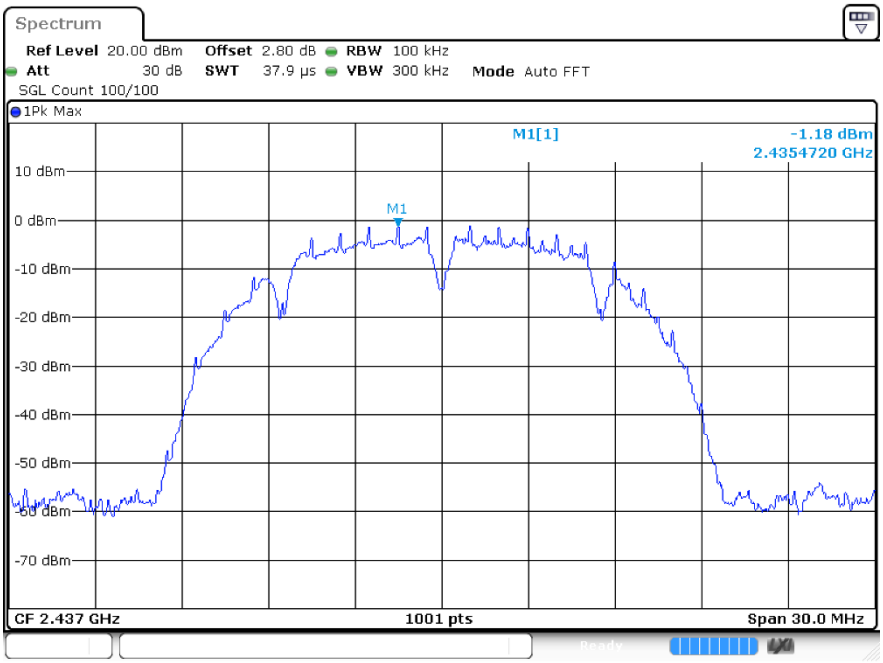
b 2412MHz Ant0 Emission



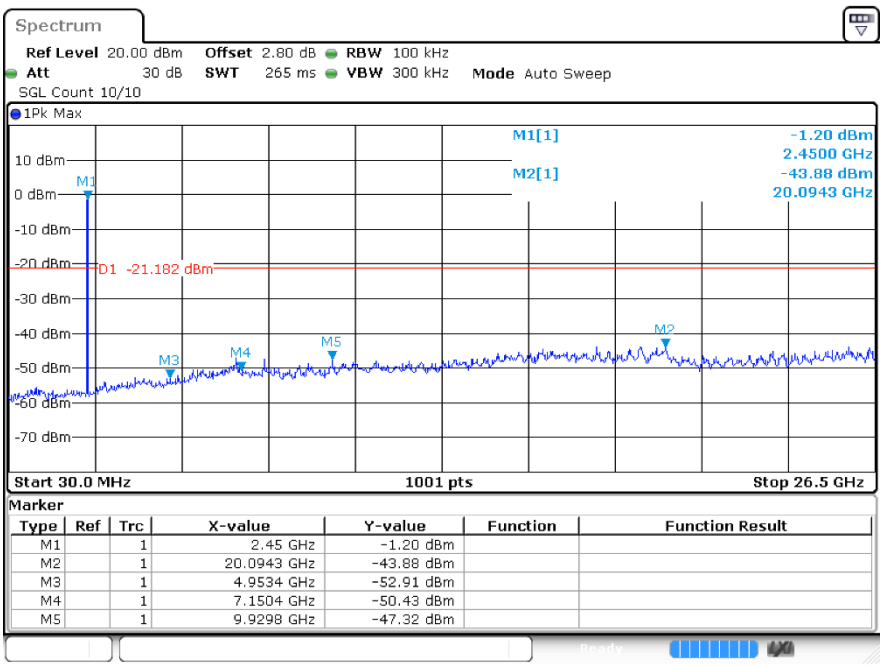
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-1.92 dBm		
M2		1	19.3266 GHz	-43.09 dBm		
M3		1	4.8211 GHz	-53.81 dBm		
M4		1	7.0446 GHz	-50.31 dBm		
M5		1	9.7974 GHz	-48.99 dBm		

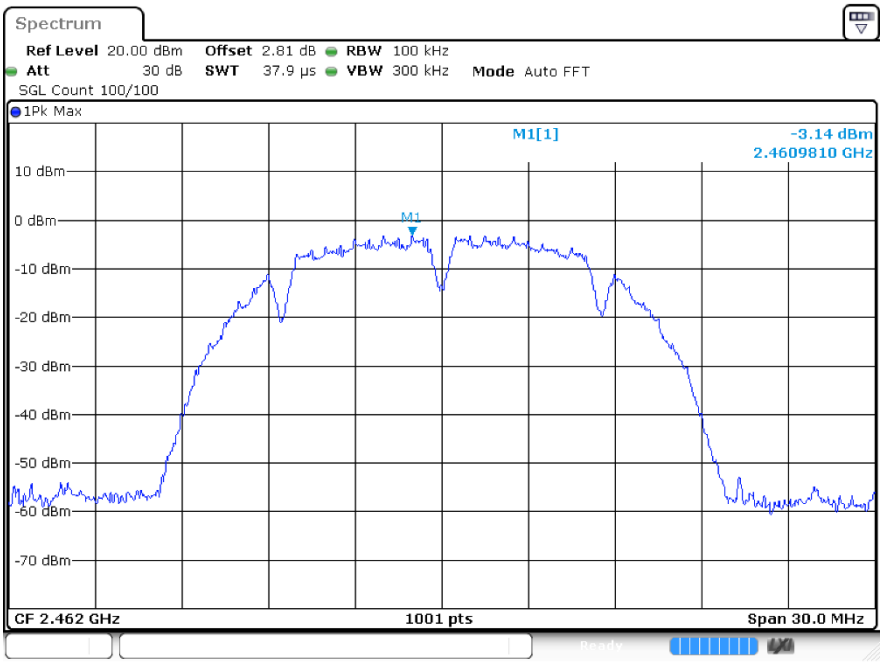
b 2437MHz Ant0 Ref



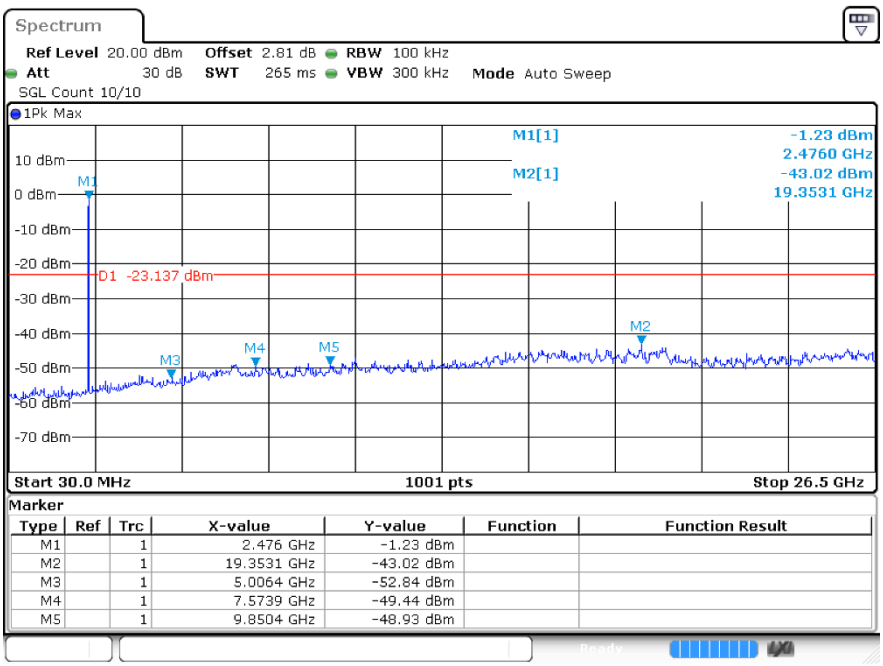
b 2437MHz Ant0 Emission



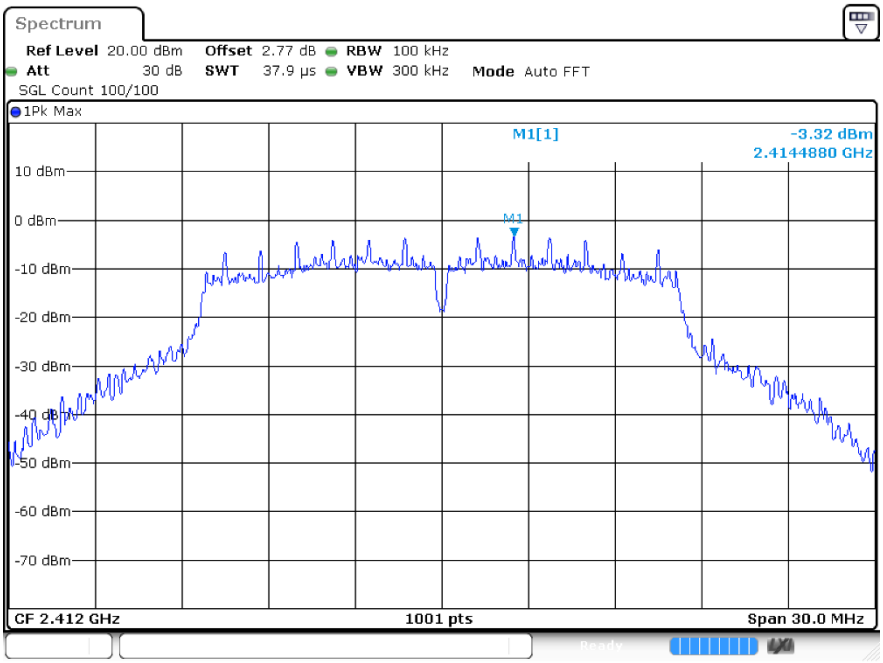
b 2462MHz Ant0 Ref



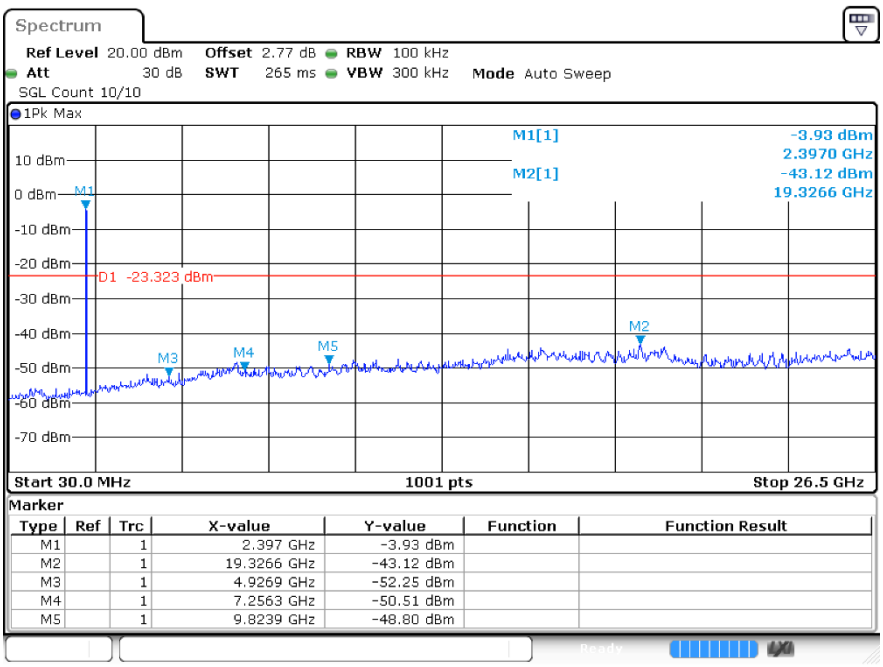
b 2462MHz Ant0 Emission



g 2412MHz Ant0 Ref



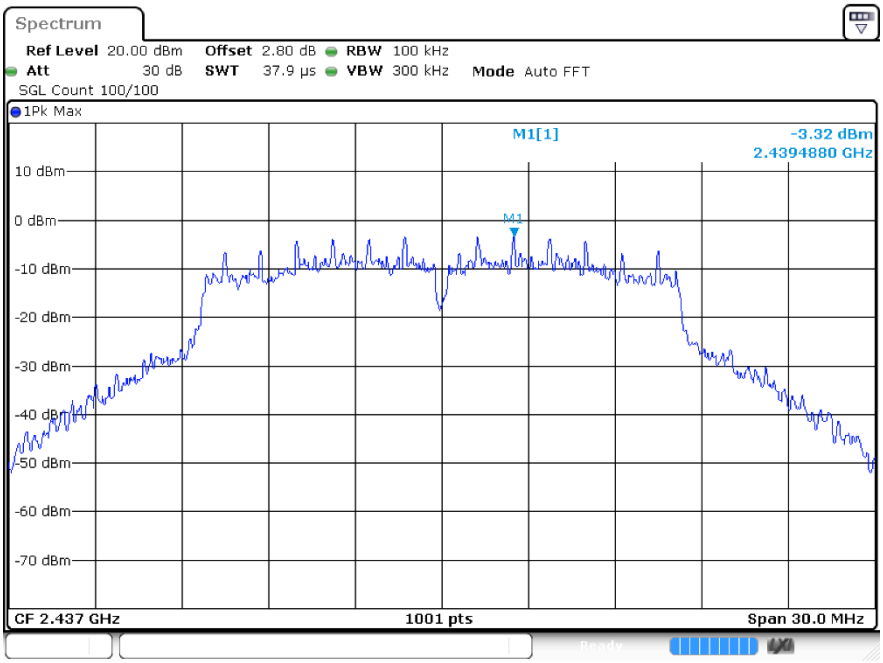
g 2412MHz Ant0 Emission



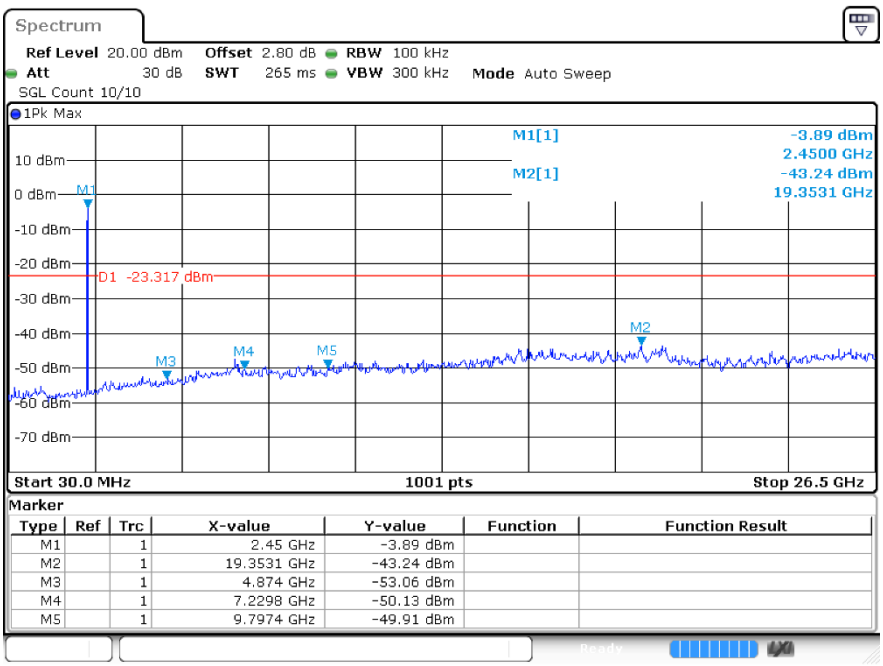
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-3.93 dBm		
M2		1	19.3266 GHz	-43.12 dBm		
M3		1	4.9269 GHz	-52.25 dBm		
M4		1	7.2563 GHz	-50.51 dBm		
M5		1	9.8239 GHz	-48.80 dBm		

g 2437MHz Ant0 Ref



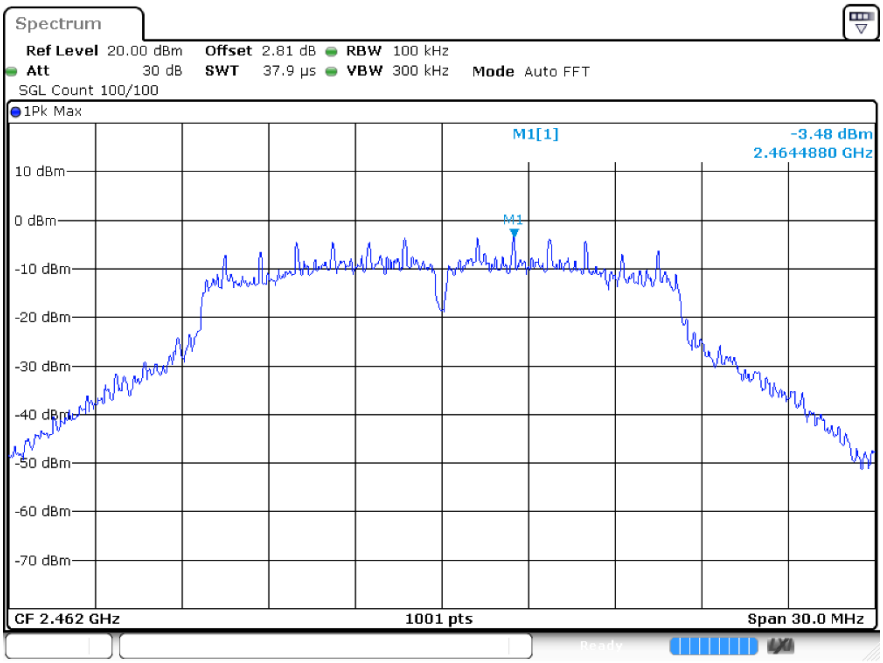
g 2437MHz Ant0 Emission



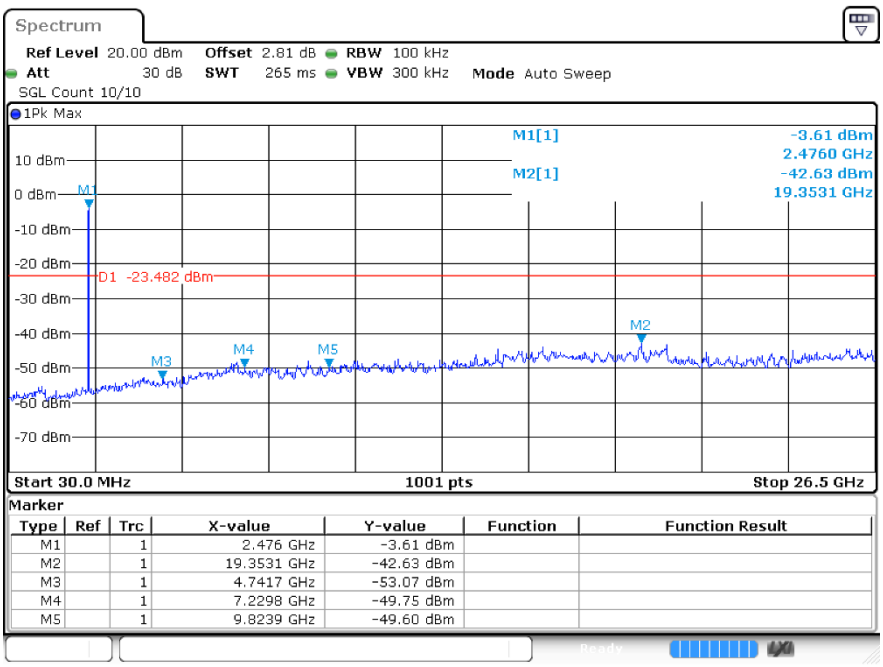
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.89 dBm		
M2		1	19.3531 GHz	-43.24 dBm		
M3		1	4.874 GHz	-53.06 dBm		
M4		1	7.2298 GHz	-50.13 dBm		
M5		1	9.7974 GHz	-49.91 dBm		

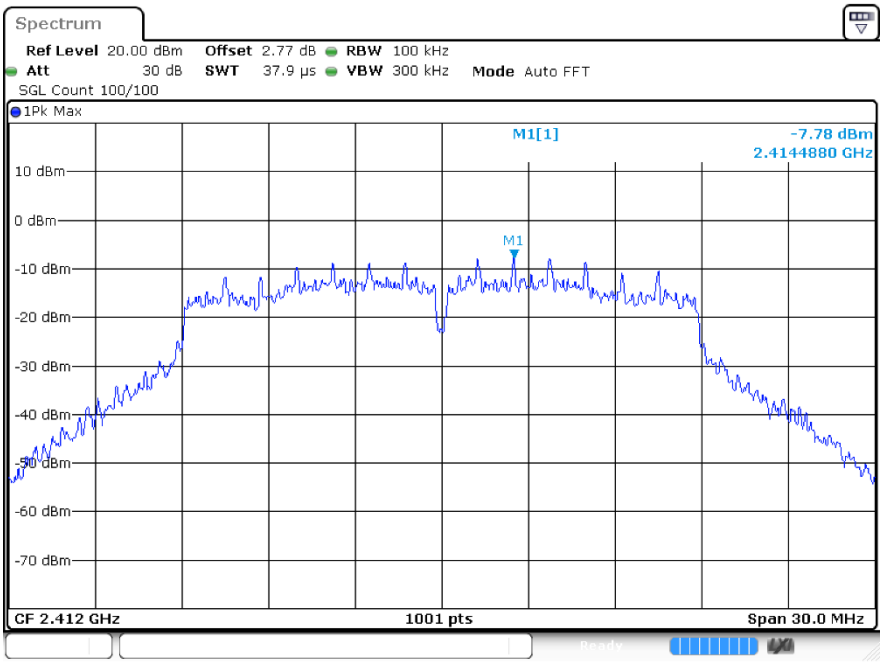
g 2462MHz Ant0 Ref



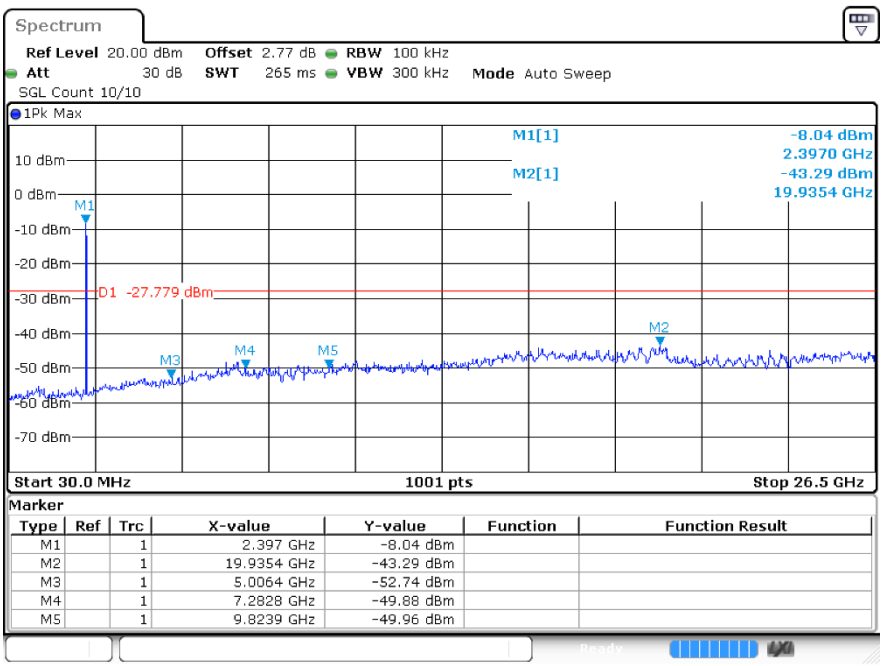
g 2462MHz Ant0 Emission



n20 2412MHz Ant0 Ref

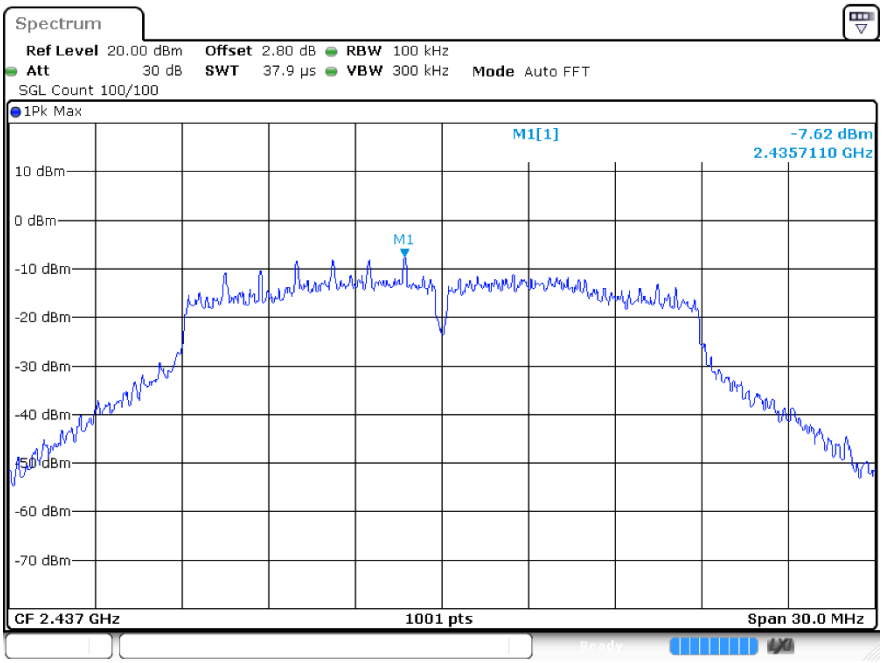


n20 2412MHz Ant0 Emission

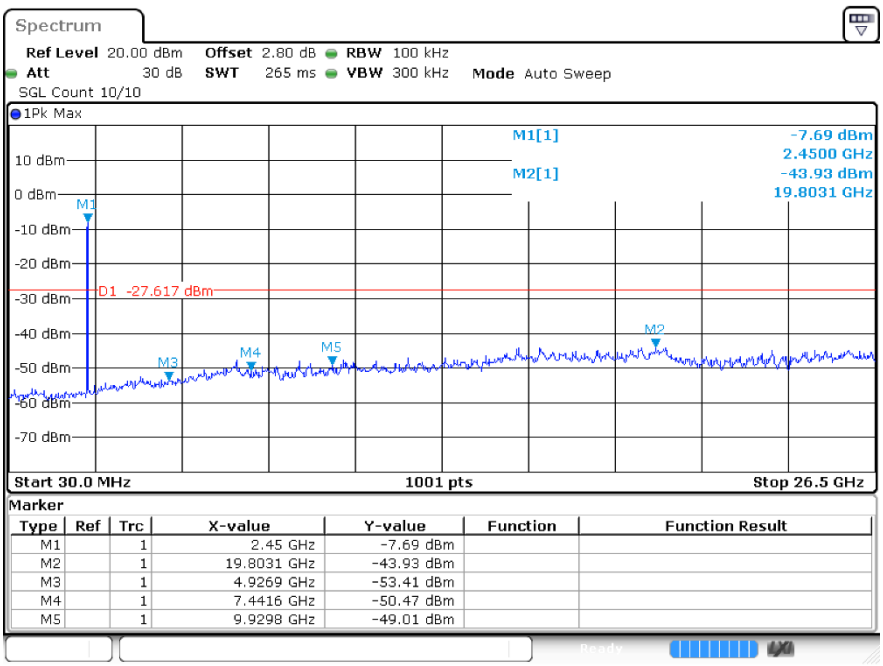


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-8.04 dBm		
M2		1	19.9354 GHz	-43.29 dBm		
M3		1	5.0064 GHz	-52.74 dBm		
M4		1	7.2828 GHz	-49.88 dBm		
M5		1	9.8239 GHz	-49.96 dBm		

n20 2437MHz Ant0 Ref



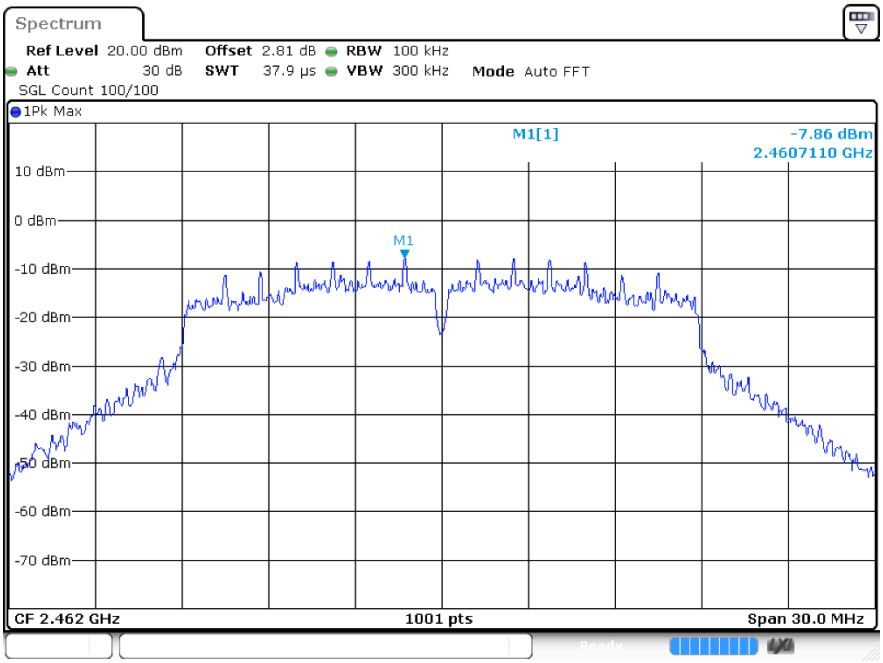
n20 2437MHz Ant0 Emission



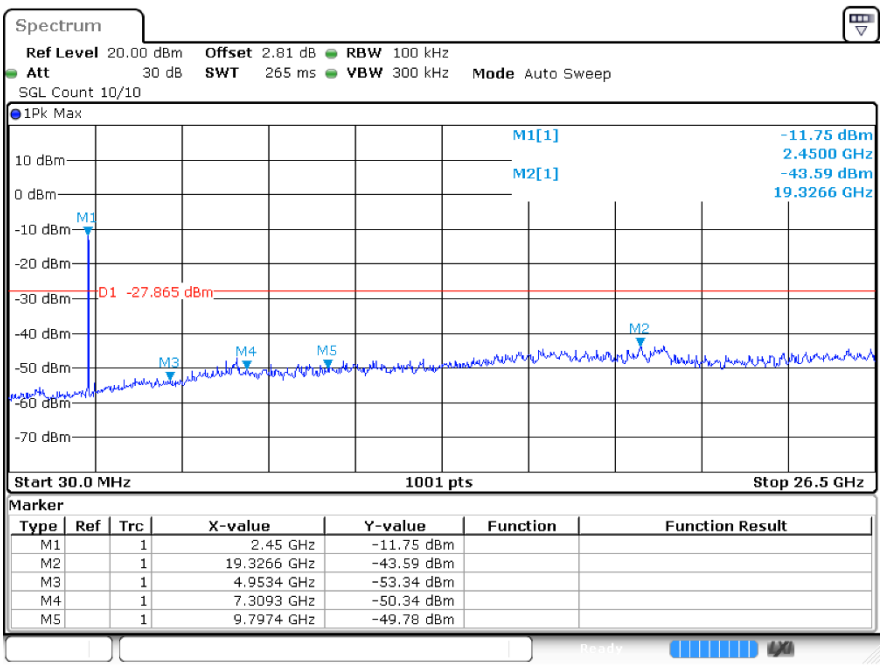
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-7.69 dBm		
M2		1	19.8031 GHz	-43.93 dBm		
M3		1	4.9269 GHz	-53.41 dBm		
M4		1	7.4416 GHz	-50.47 dBm		
M5		1	9.9298 GHz	-49.01 dBm		

n20 2462MHz Ant0 Ref

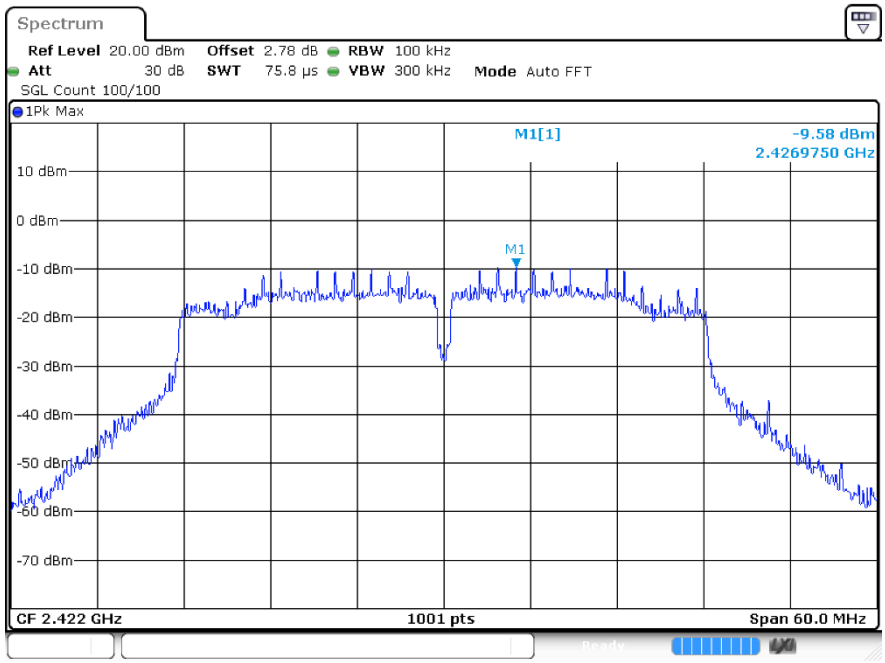


n20 2462MHz Ant0 Emission

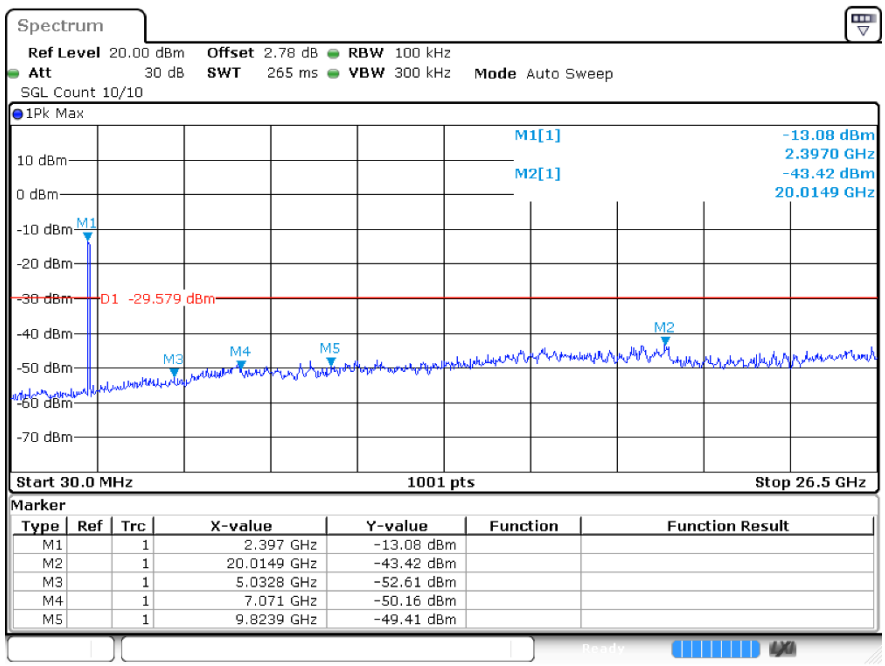


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-11.75 dBm		
M2		1	19.3266 GHz	-43.59 dBm		
M3		1	4.9534 GHz	-53.34 dBm		
M4		1	7.3093 GHz	-50.34 dBm		
M5		1	9.7974 GHz	-49.78 dBm		

n40 2422MHz Ant0 Ref



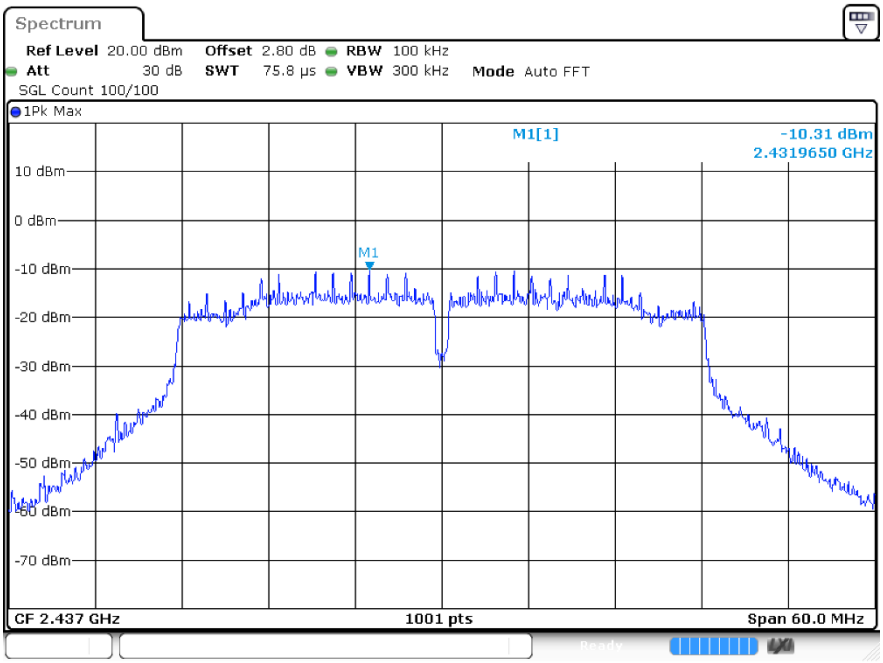
n40 2422MHz Ant0 Emission



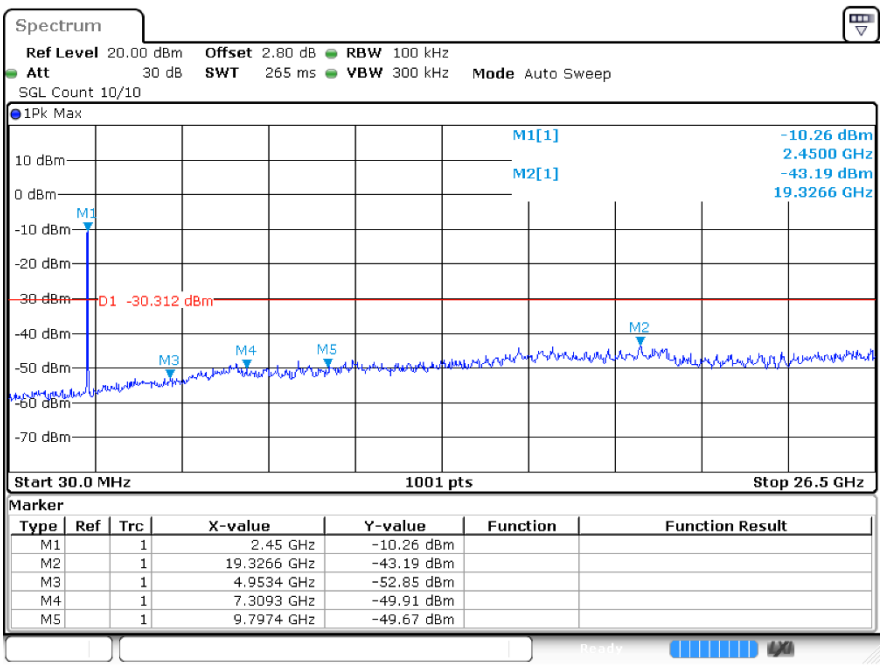
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-13.08 dBm		
M2		1	20.0149 GHz	-43.42 dBm		
M3		1	5.0328 GHz	-52.61 dBm		
M4		1	7.071 GHz	-50.16 dBm		
M5		1	9.8239 GHz	-49.41 dBm		

n40 2437MHz Ant0 Ref



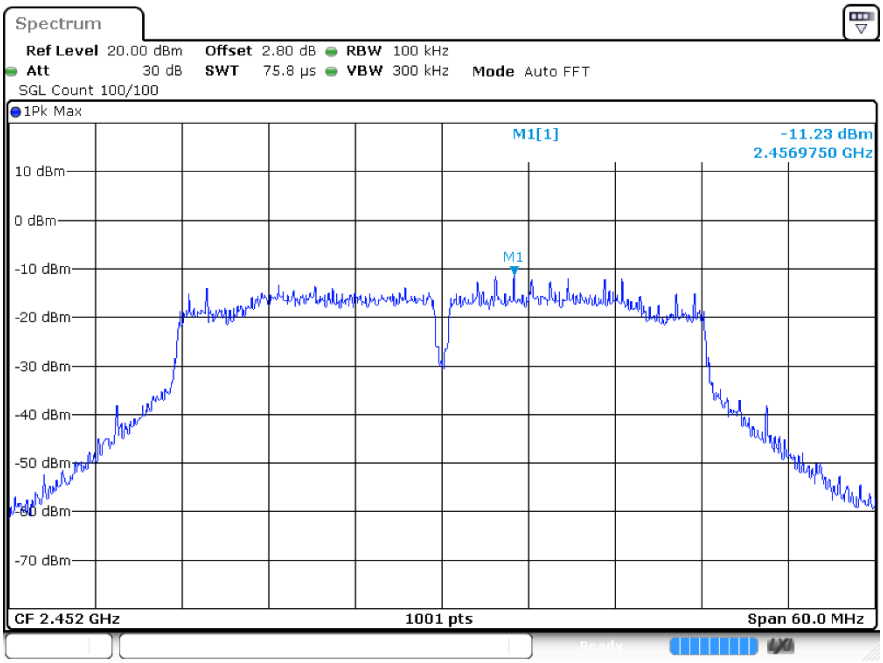
n40 2437MHz Ant0 Emission



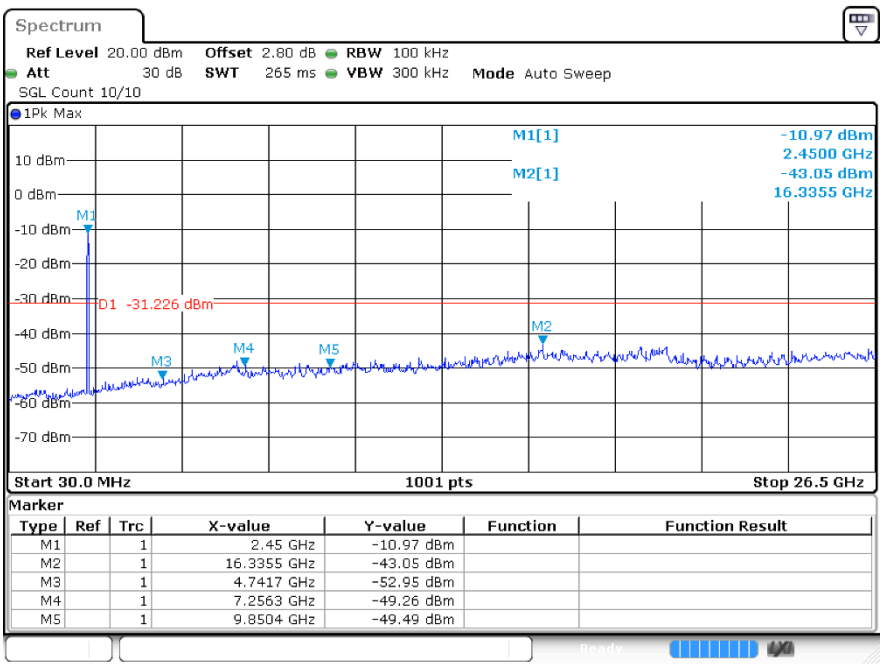
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-10.26 dBm		
M2		1	19.3266 GHz	-43.19 dBm		
M3		1	4.9534 GHz	-52.85 dBm		
M4		1	7.3093 GHz	-49.91 dBm		
M5		1	9.7974 GHz	-49.67 dBm		

n40 2452MHz Ant0 Ref

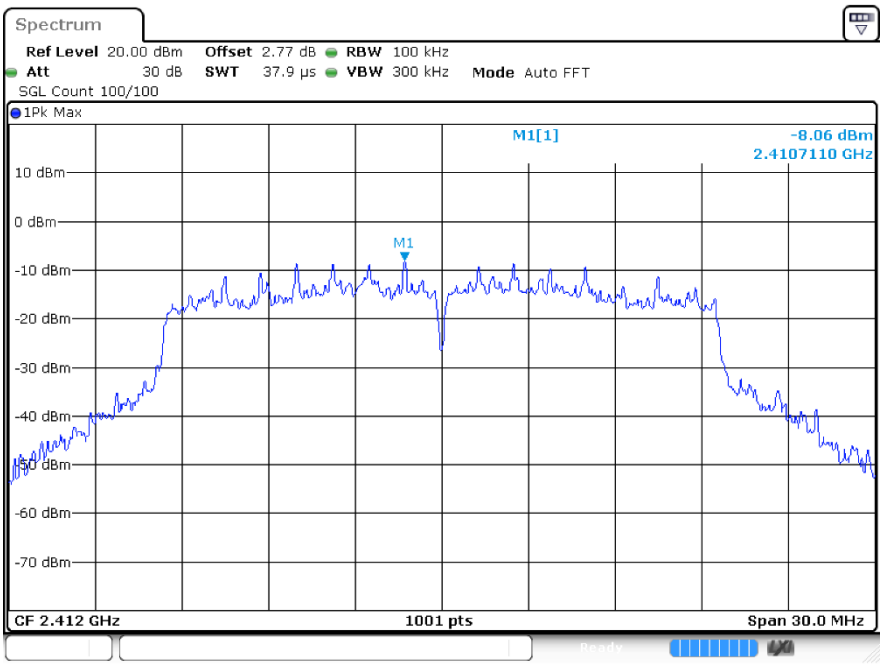


n40 2452MHz Ant0 Emission

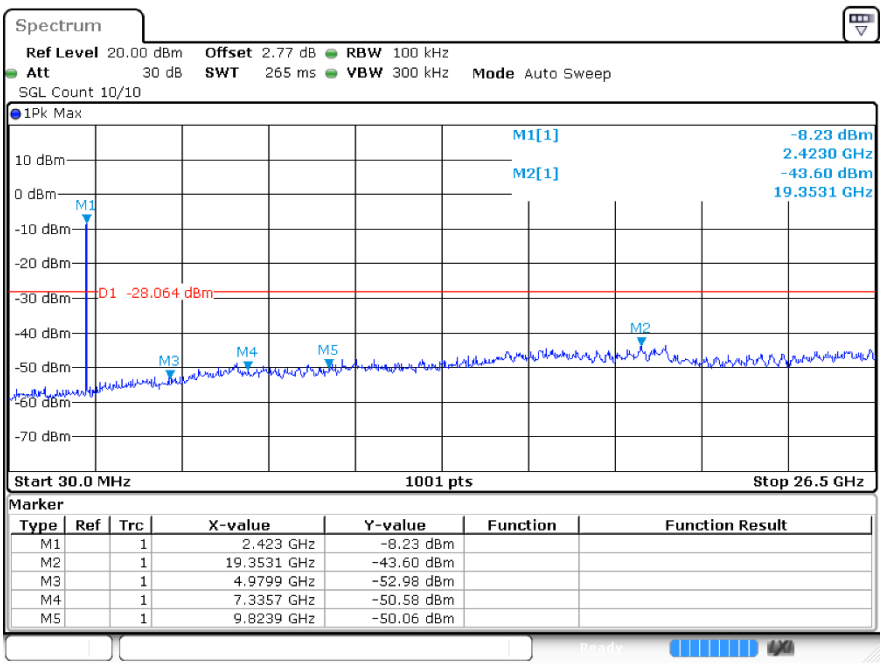


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-10.97 dBm		
M2		1	16.3355 GHz	-43.05 dBm		
M3		1	4.7417 GHz	-52.95 dBm		
M4		1	7.2563 GHz	-49.26 dBm		
M5		1	9.8504 GHz	-49.49 dBm		

ax20 2412MHz Ant0 Ref

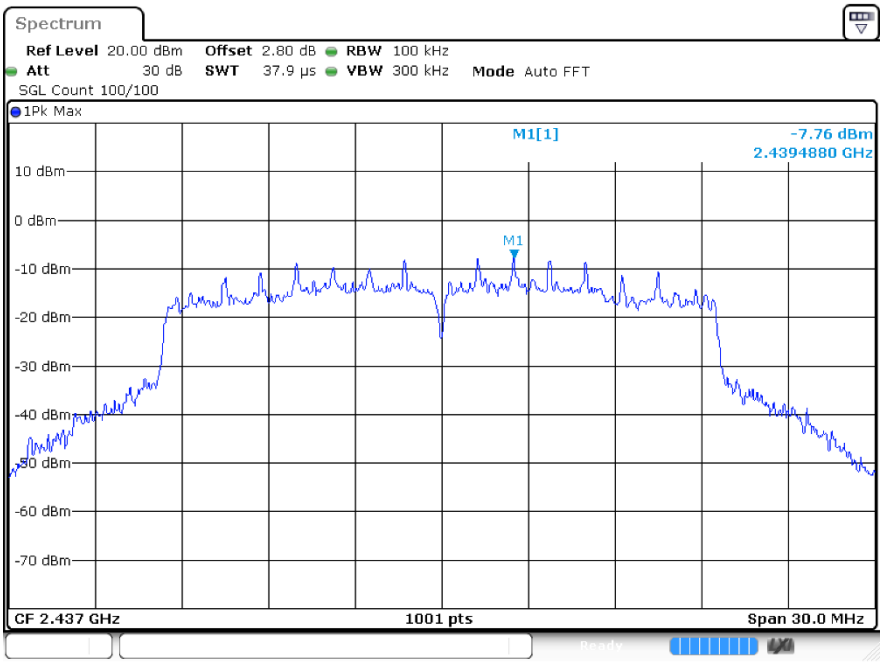


ax20 2412MHz Ant0 Emission

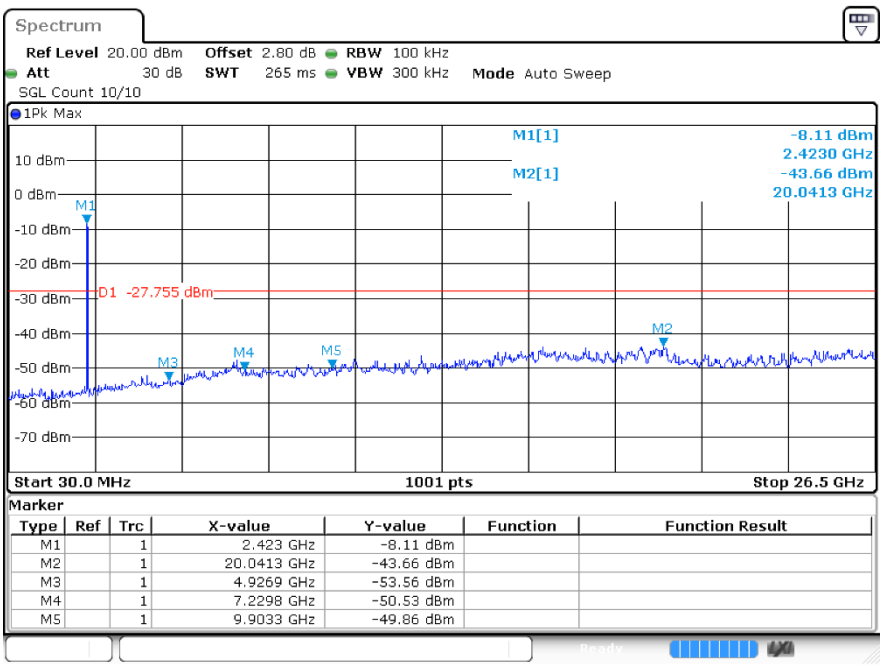


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-8.23 dBm		
M2		1	19.3531 GHz	-43.60 dBm		
M3		1	4.9799 GHz	-52.98 dBm		
M4		1	7.3357 GHz	-50.58 dBm		
M5		1	9.8239 GHz	-50.06 dBm		

ax20 2437MHz Ant0 Ref

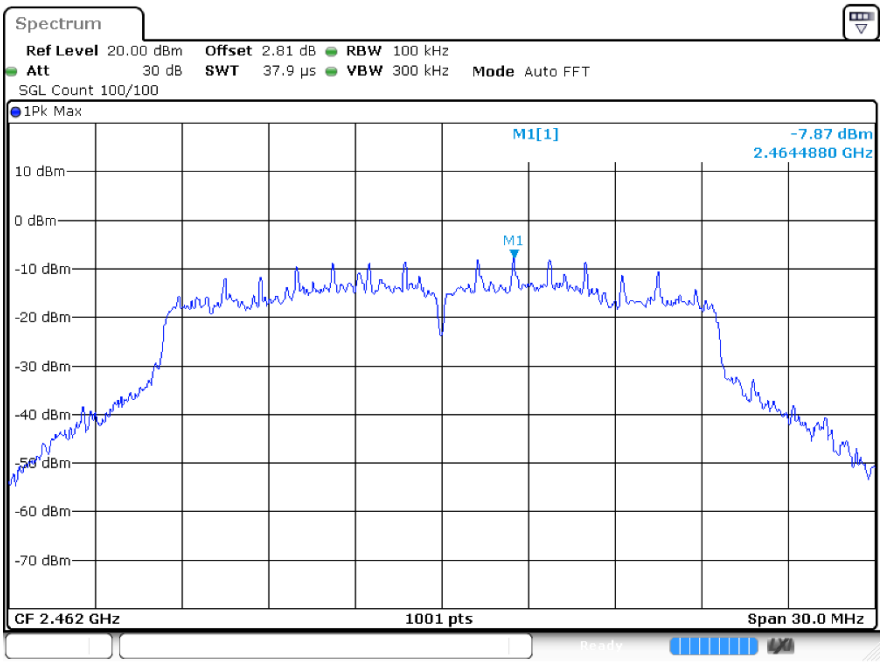


ax20 2437MHz Ant0 Emission

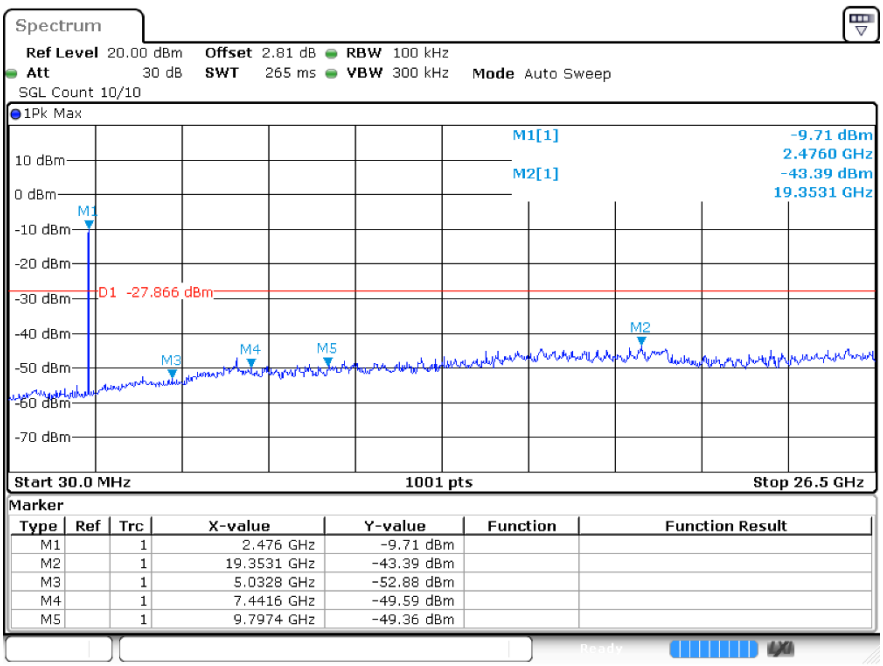


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-8.11 dBm		
M2		1	20.0413 GHz	-43.66 dBm		
M3		1	4.9269 GHz	-53.56 dBm		
M4		1	7.2298 GHz	-50.53 dBm		
M5		1	9.9033 GHz	-49.86 dBm		

ax20 2462MHz Ant0 Ref



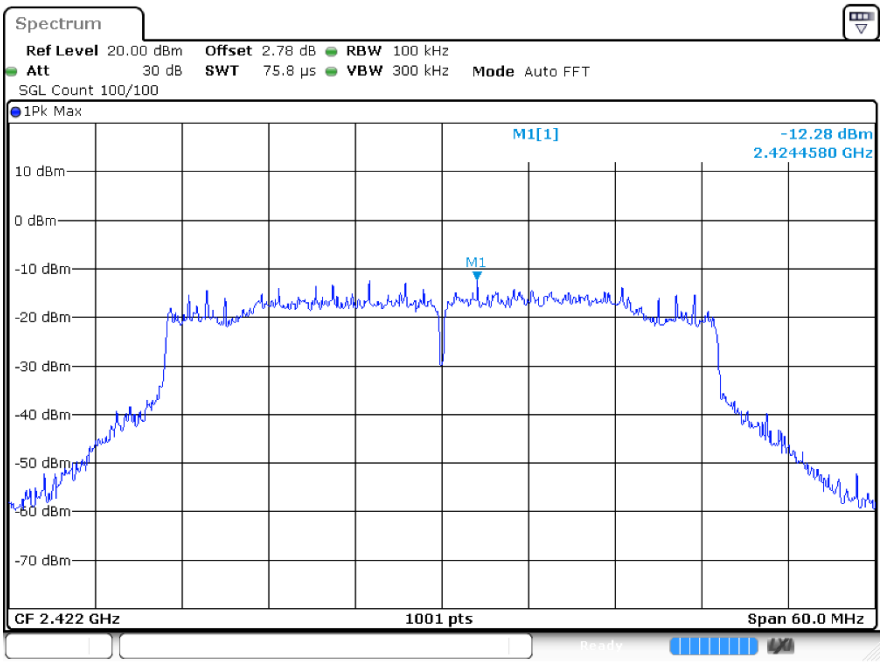
ax20 2462MHz Ant0 Emission



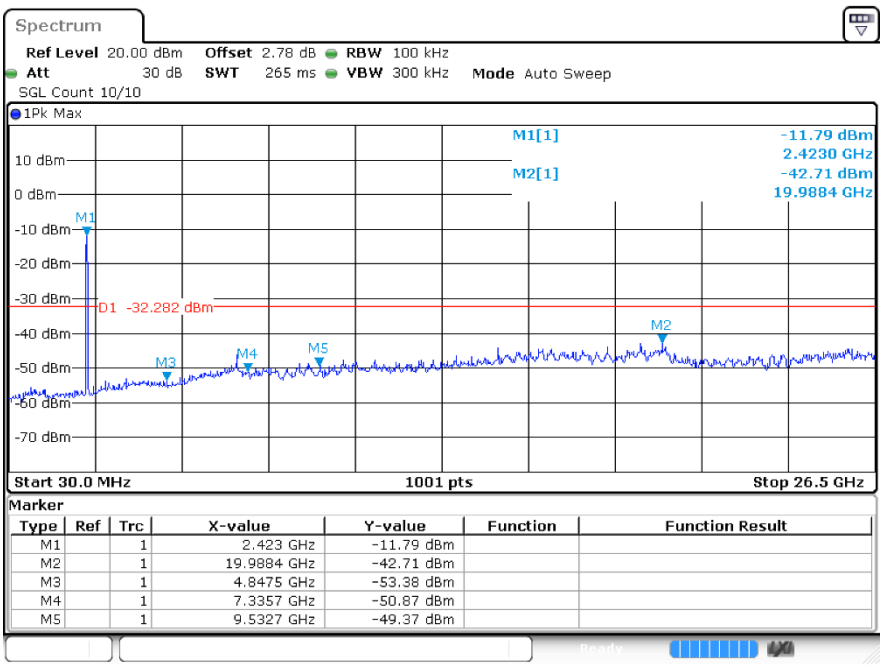
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-9.71 dBm		
M2		1	19.3531 GHz	-43.39 dBm		
M3		1	5.0328 GHz	-52.88 dBm		
M4		1	7.4416 GHz	-49.59 dBm		
M5		1	9.7974 GHz	-49.36 dBm		

ax40 2422MHz Ant0 Ref



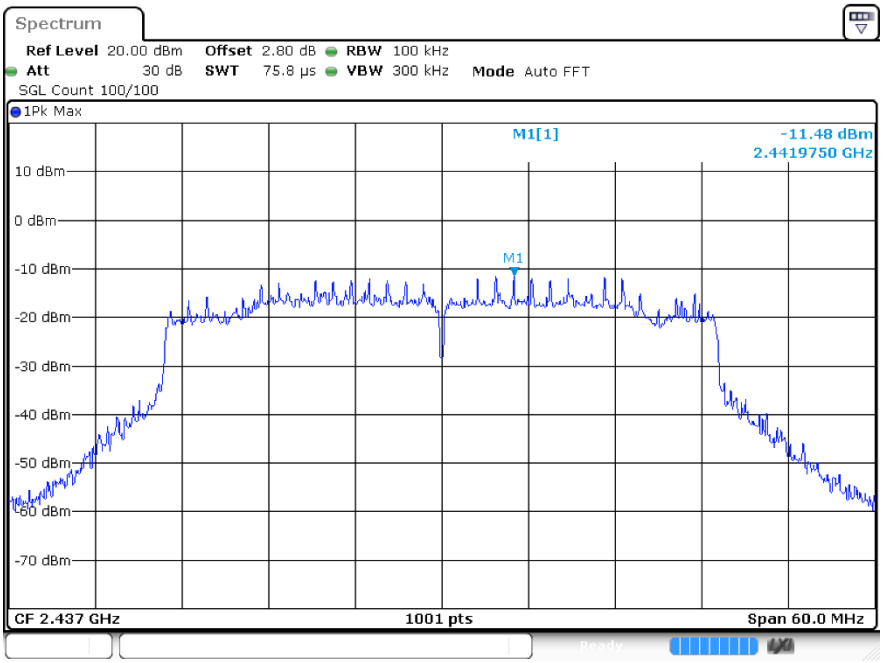
ax40 2422MHz Ant0 Emission



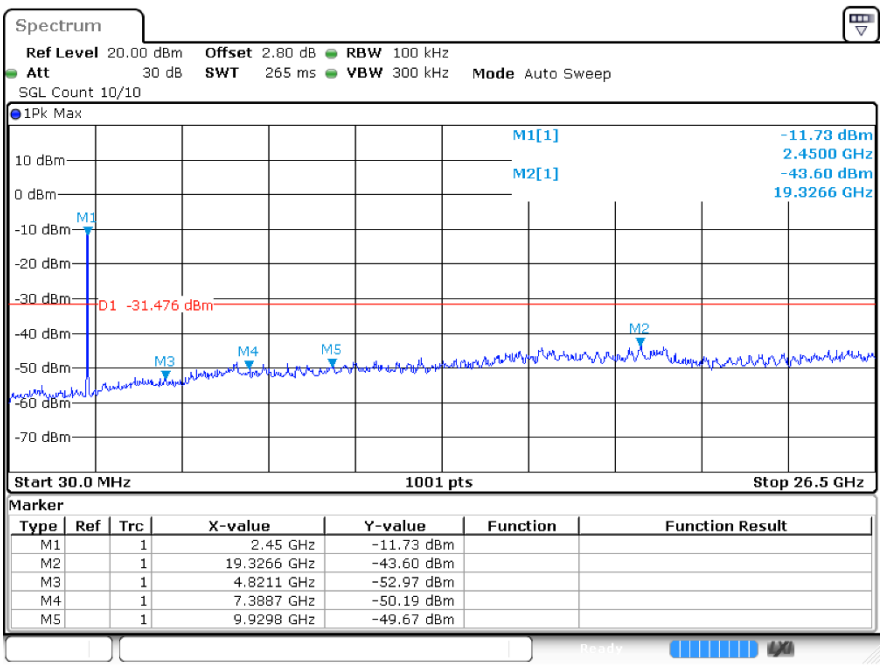
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-11.79 dBm		
M2		1	19.9884 GHz	-42.71 dBm		
M3		1	4.8475 GHz	-53.38 dBm		
M4		1	7.3357 GHz	-50.87 dBm		
M5		1	9.5327 GHz	-49.37 dBm		

ax40 2437MHz Ant0 Ref



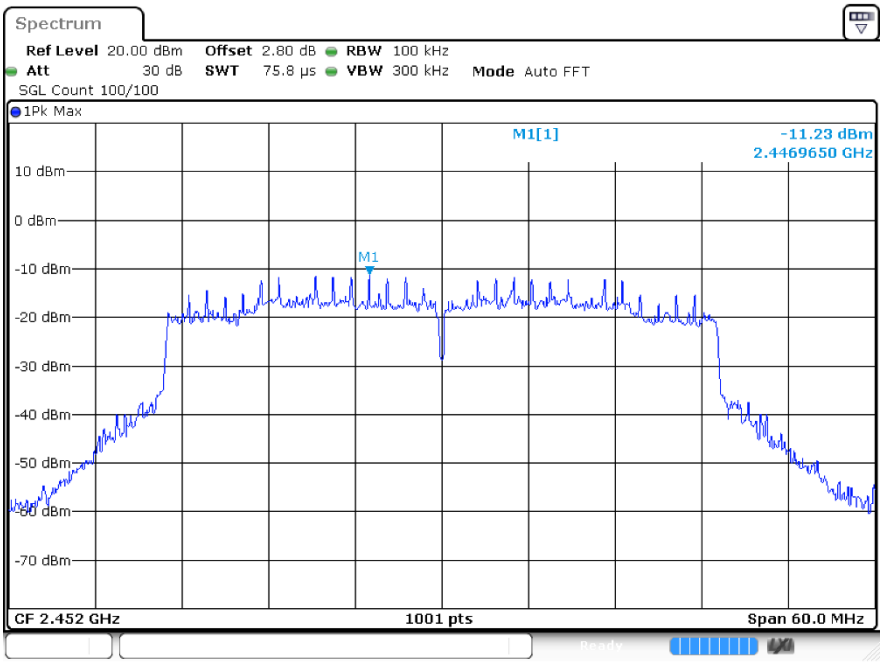
ax40 2437MHz Ant0 Emission



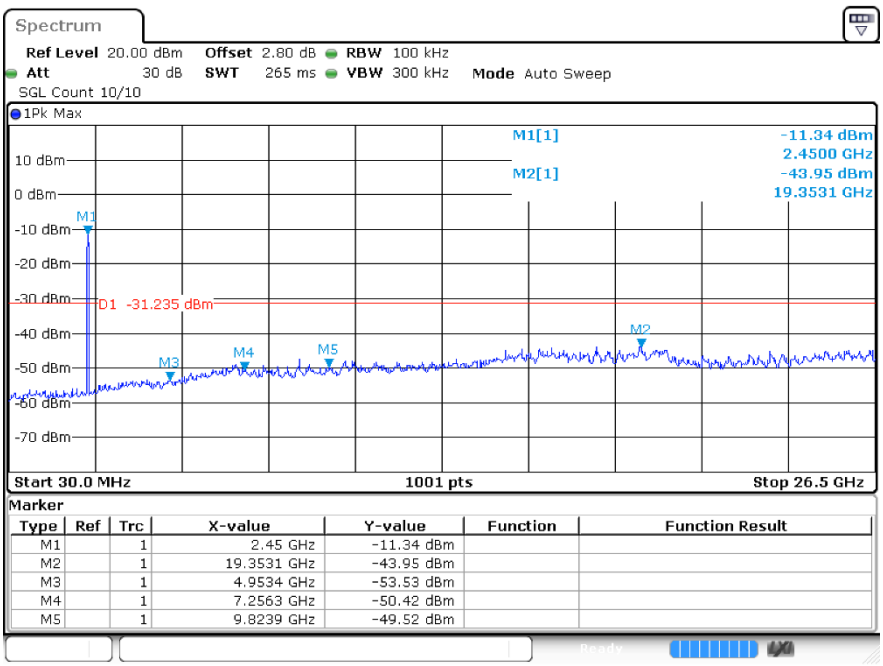
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-11.73 dBm		
M2		1	19.3266 GHz	-43.60 dBm		
M3		1	4.8211 GHz	-52.97 dBm		
M4		1	7.3887 GHz	-50.19 dBm		
M5		1	9.9298 GHz	-49.67 dBm		

ax40 2452MHz Ant0 Ref



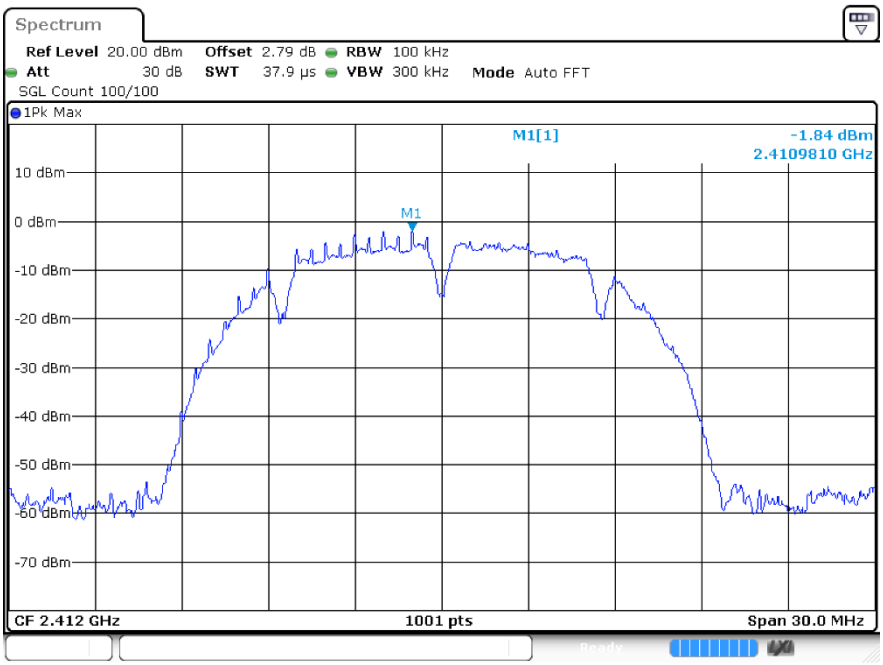
ax40 2452MHz Ant0 Emission



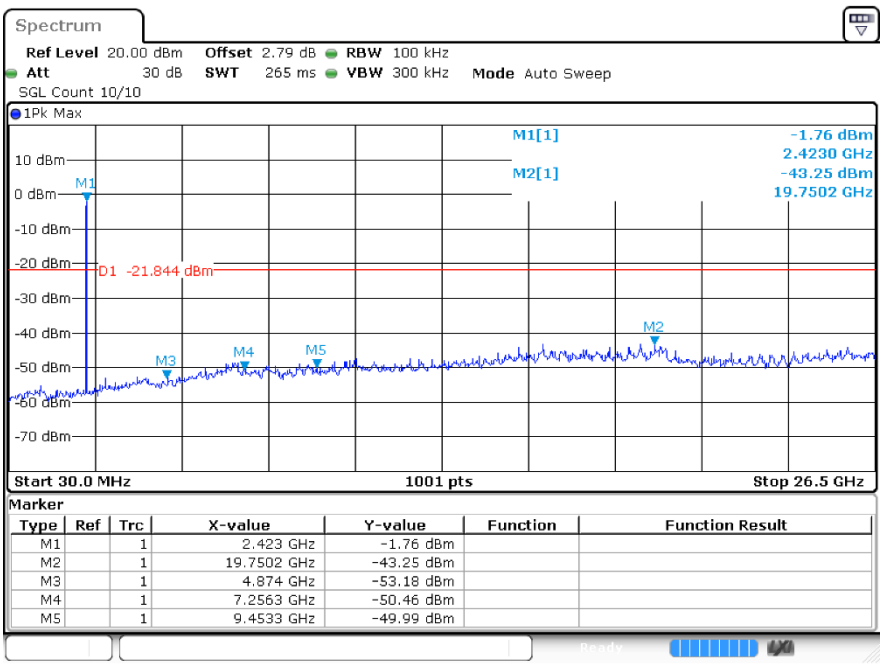
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-11.34 dBm		
M2		1	19.3531 GHz	-43.95 dBm		
M3		1	4.9534 GHz	-53.53 dBm		
M4		1	7.2563 GHz	-50.42 dBm		
M5		1	9.8239 GHz	-49.52 dBm		

b 2412MHz Ant1 Ref



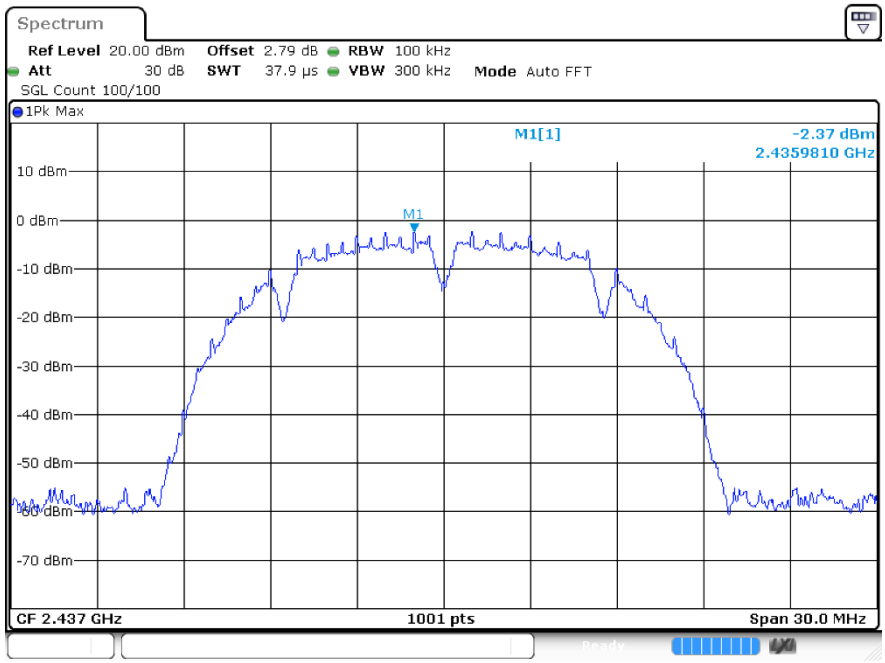
b 2412MHz Ant1 Emission



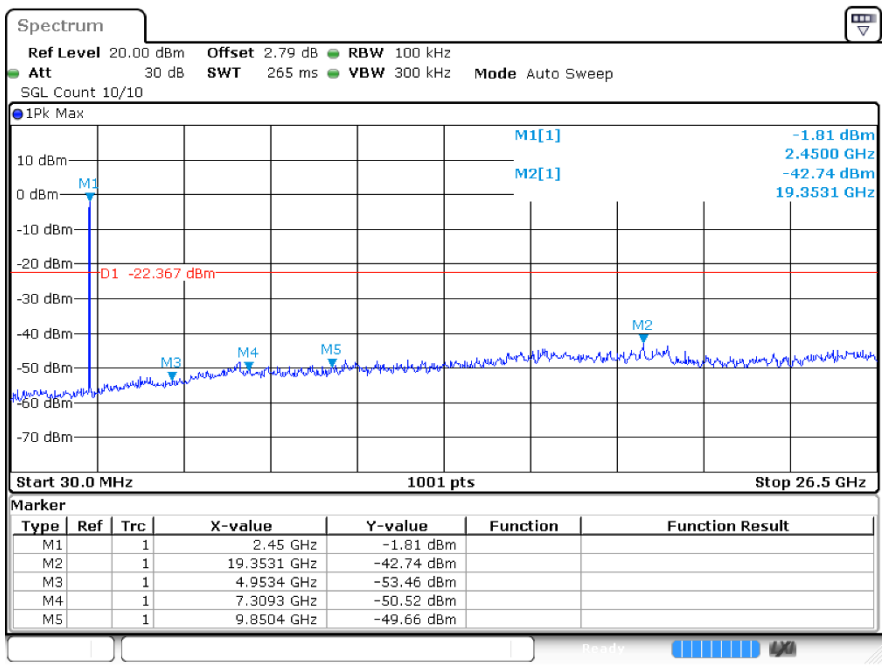
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-1.76 dBm		
M2		1	19.7502 GHz	-43.25 dBm		
M3		1	4.874 GHz	-53.18 dBm		
M4		1	7.2563 GHz	-50.46 dBm		
M5		1	9.4533 GHz	-49.99 dBm		

b 2437MHz Ant1 Ref



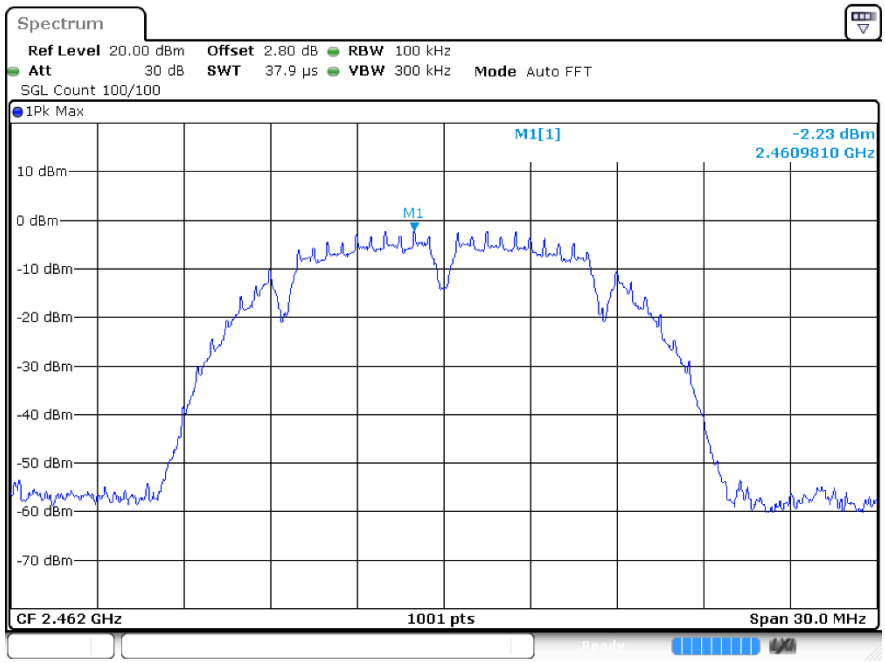
b 2437MHz Ant1 Emission



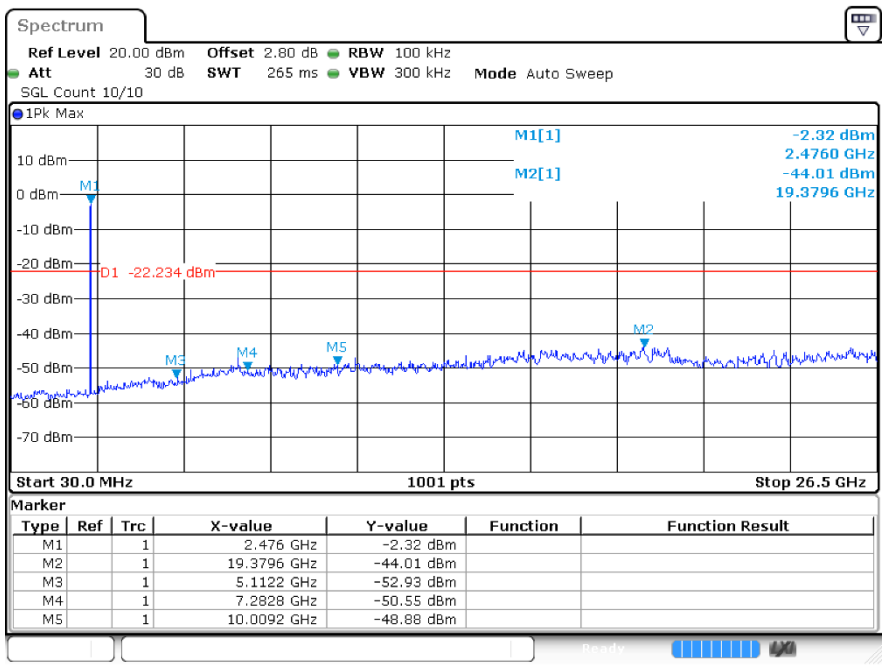
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-1.81 dBm		
M2		1	19.3531 GHz	-42.74 dBm		
M3		1	4.9534 GHz	-53.46 dBm		
M4		1	7.3093 GHz	-50.52 dBm		
M5		1	9.8504 GHz	-49.66 dBm		

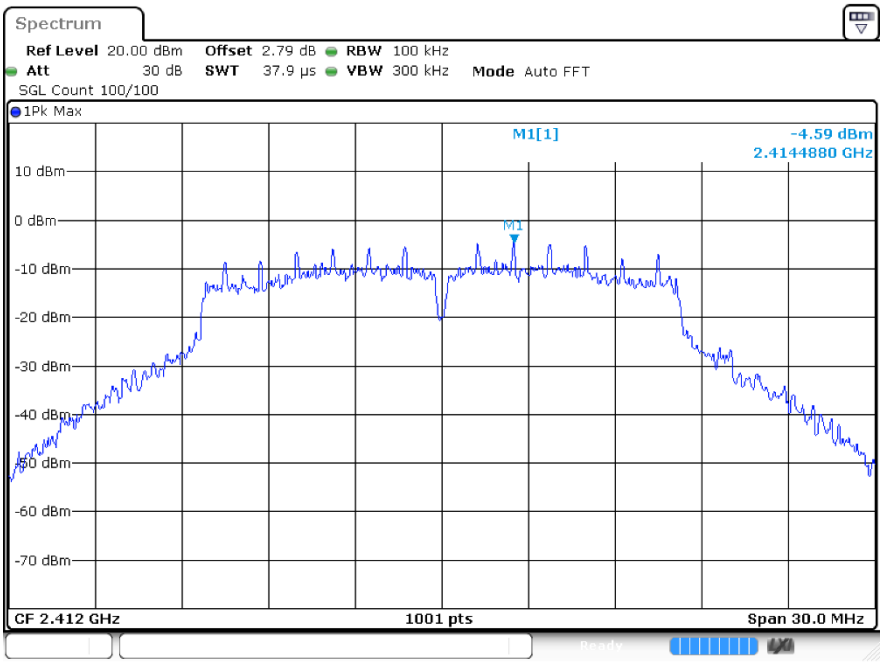
b 2462MHz Ant1 Ref



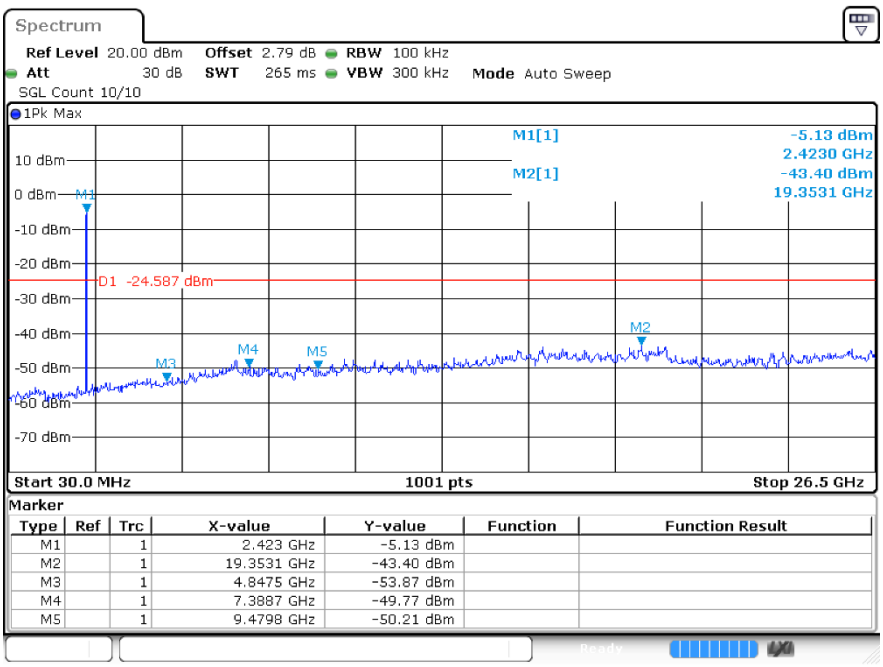
b 2462MHz Ant1 Emission



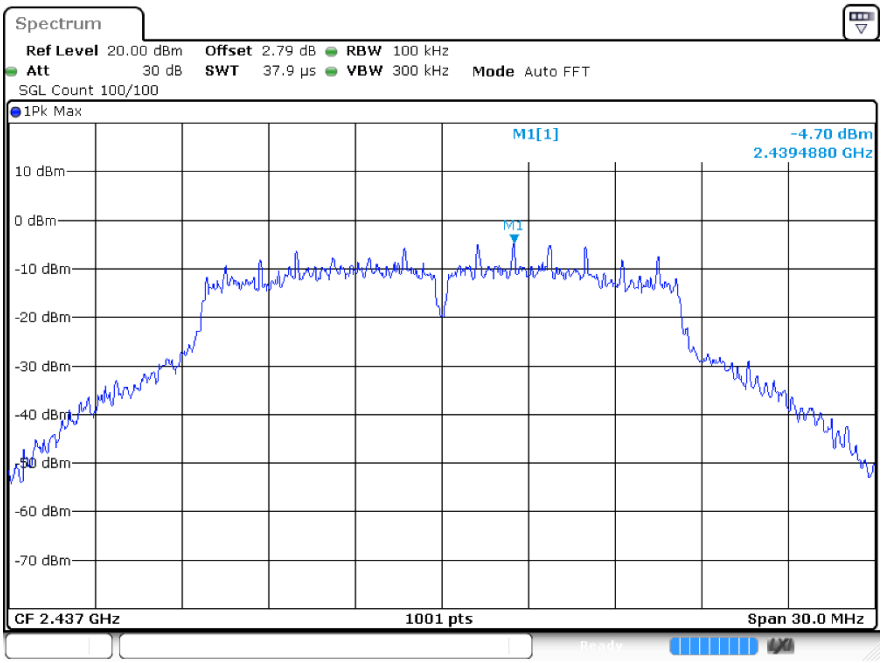
g 2412MHz Ant1 Ref



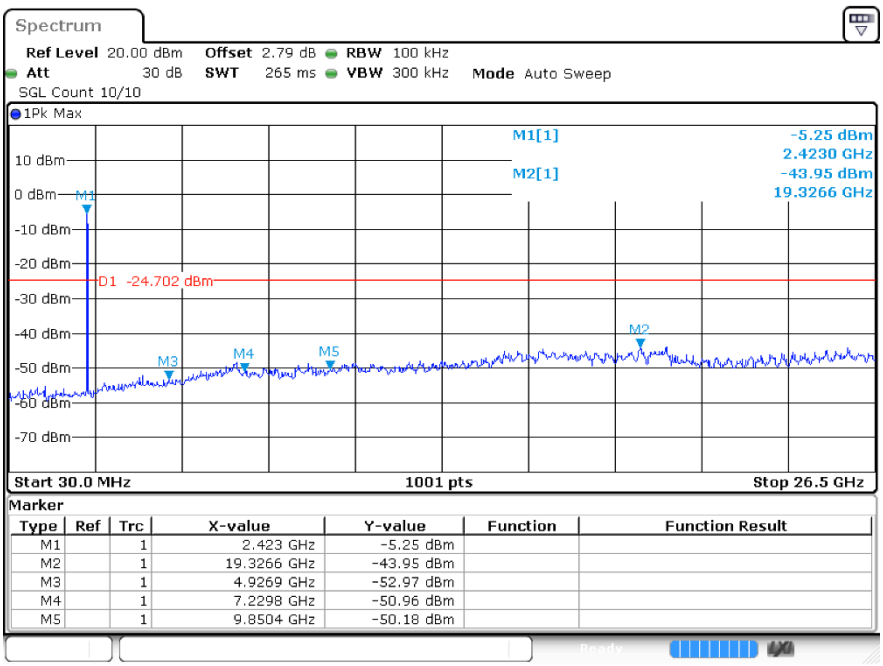
g 2412MHz Ant1 Emission



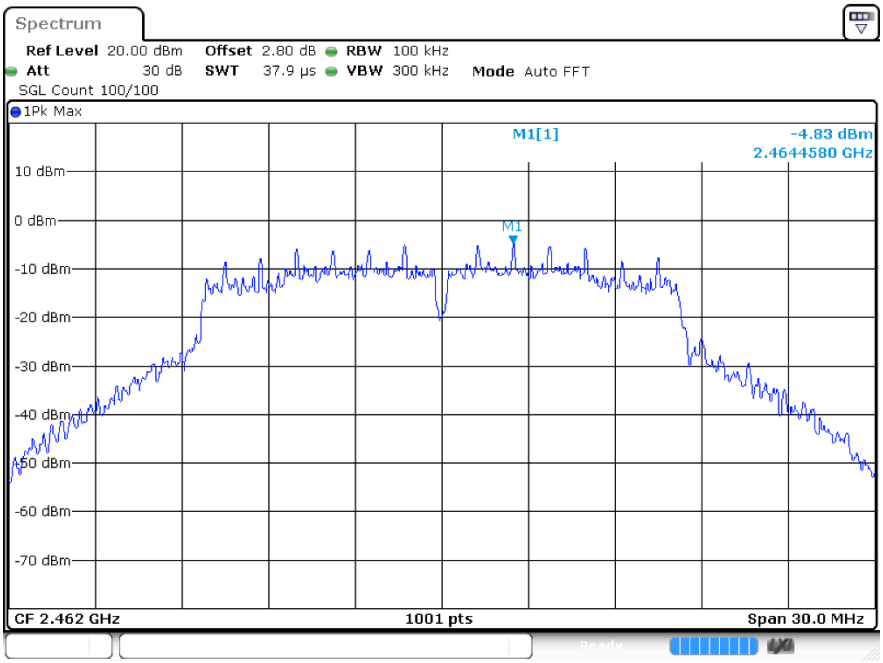
g 2437MHz Ant1 Ref



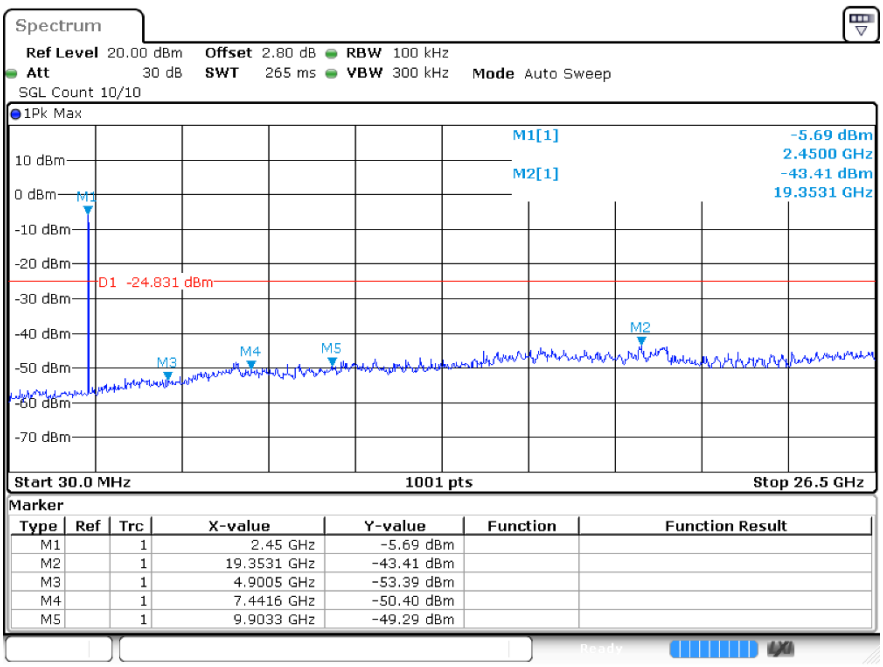
g 2437MHz Ant1 Emission



g 2462MHz Ant1 Ref



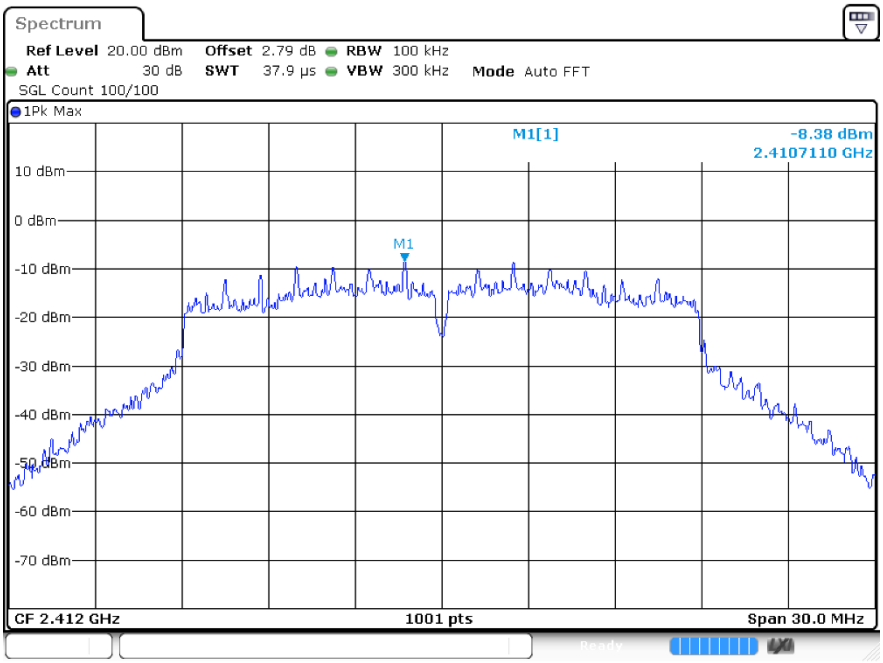
g 2462MHz Ant1 Emission



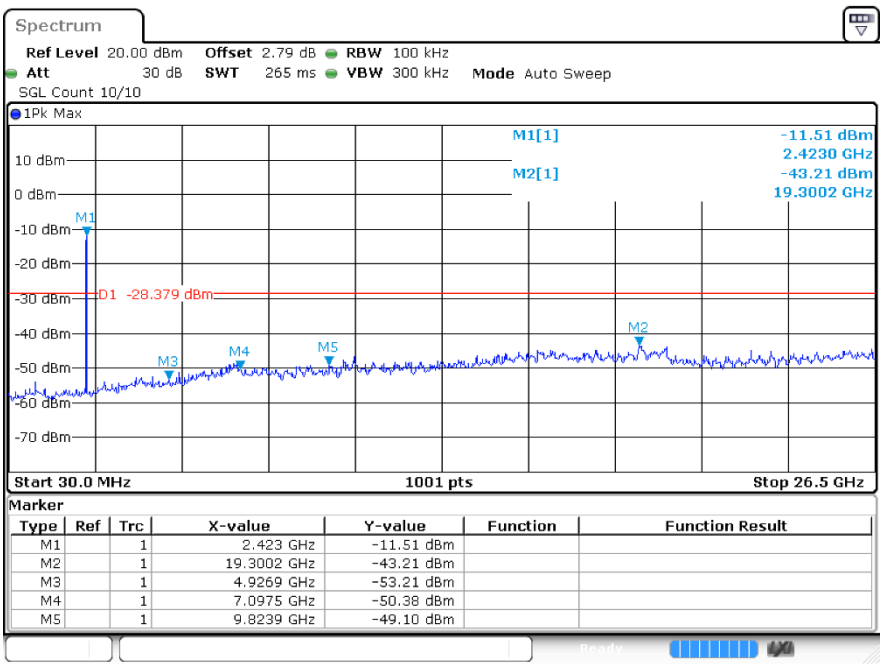
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-5.69 dBm		
M2		1	19.3531 GHz	-43.41 dBm		
M3		1	4.9005 GHz	-53.39 dBm		
M4		1	7.4416 GHz	-50.40 dBm		
M5		1	9.9033 GHz	-49.29 dBm		

n20 2412MHz Ant1 Ref



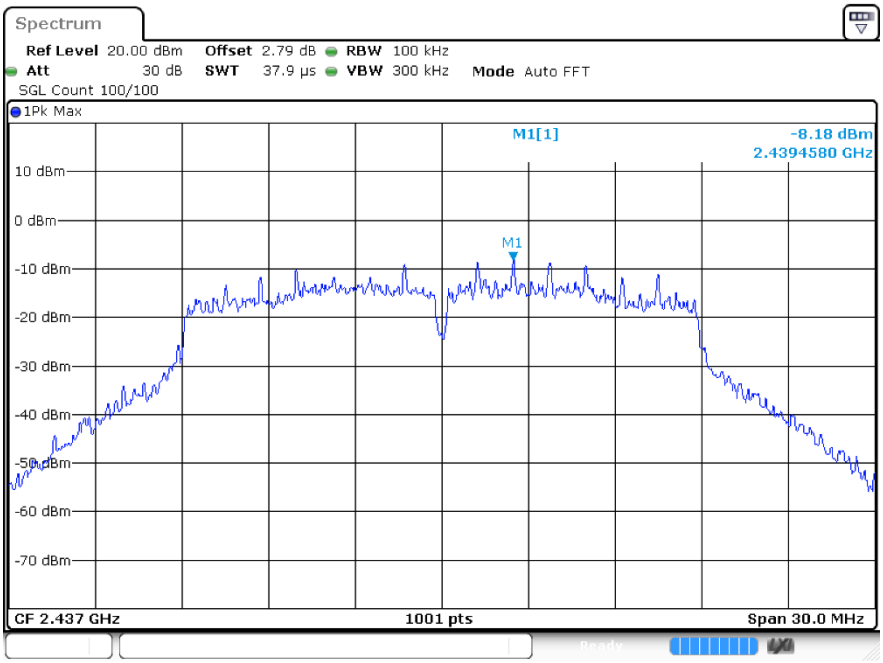
n20 2412MHz Ant1 Emission



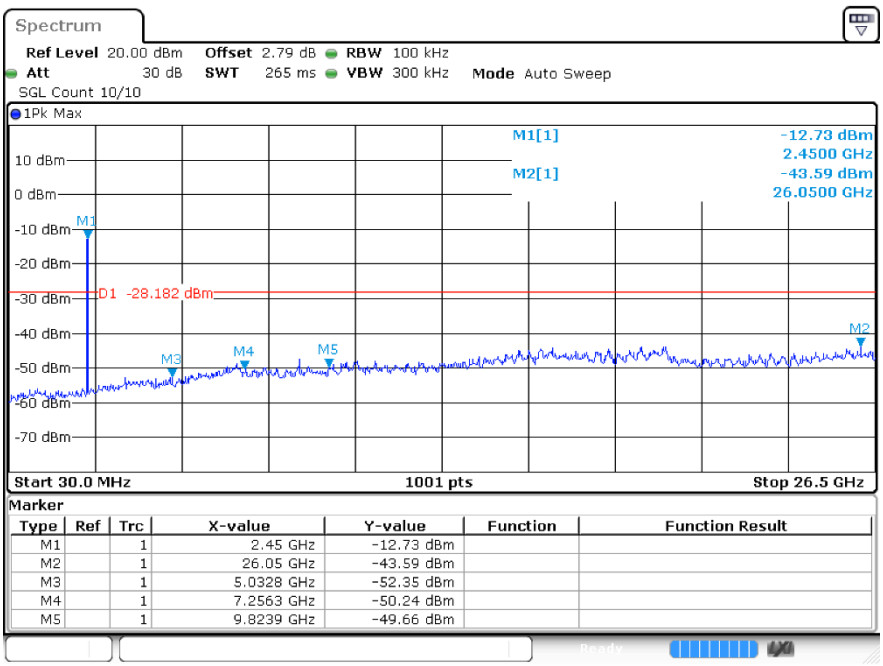
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-11.51 dBm		
M2		1	19.3002 GHz	-43.21 dBm		
M3		1	4.9269 GHz	-53.21 dBm		
M4		1	7.0975 GHz	-50.38 dBm		
M5		1	9.8239 GHz	-49.10 dBm		

n20 2437MHz Ant1 Ref



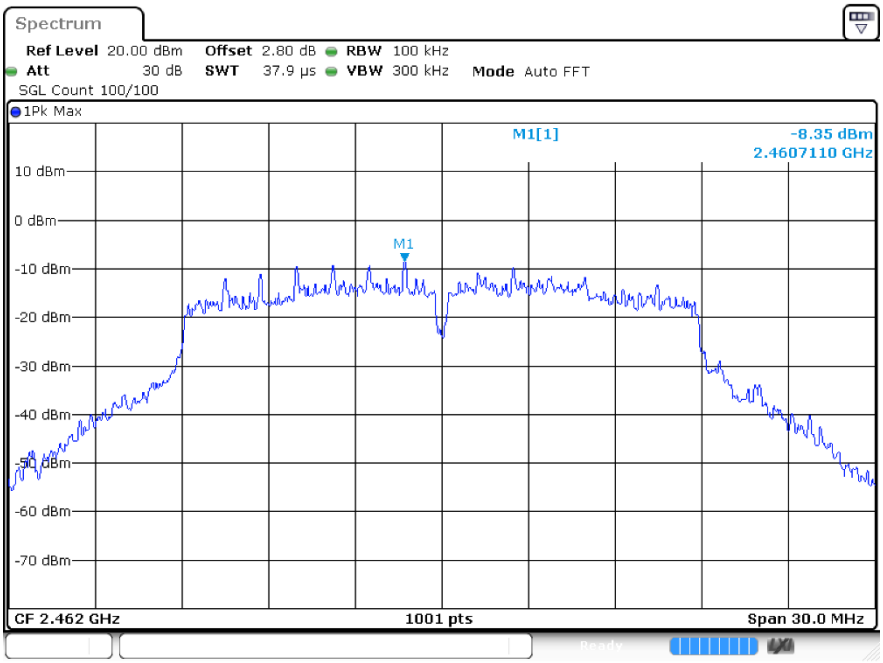
n20 2437MHz Ant1 Emission



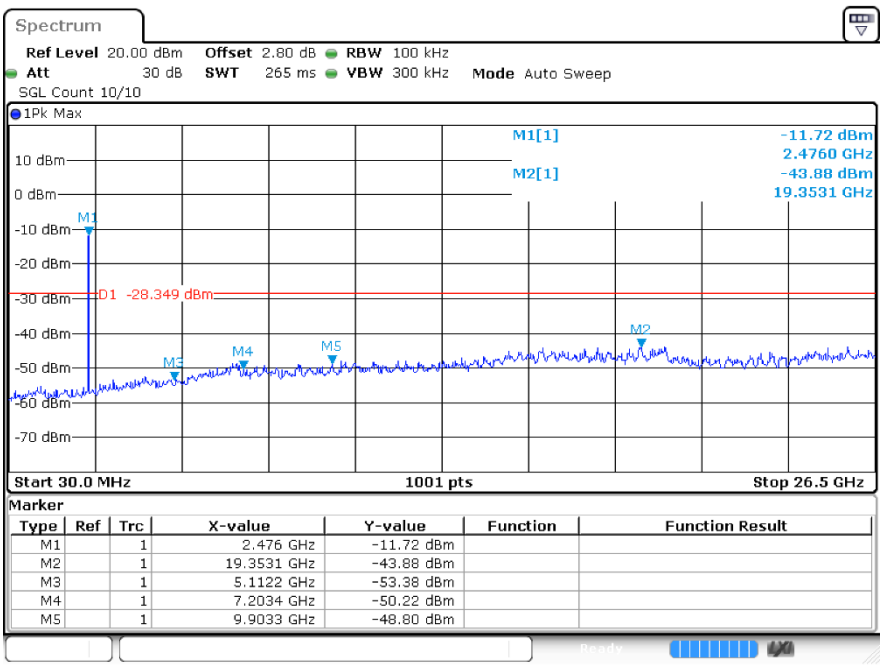
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-12.73 dBm		
M2		1	26.05 GHz	-43.59 dBm		
M3		1	5.0328 GHz	-52.35 dBm		
M4		1	7.2563 GHz	-50.24 dBm		
M5		1	9.8239 GHz	-49.66 dBm		

n20 2462MHz Ant1 Ref



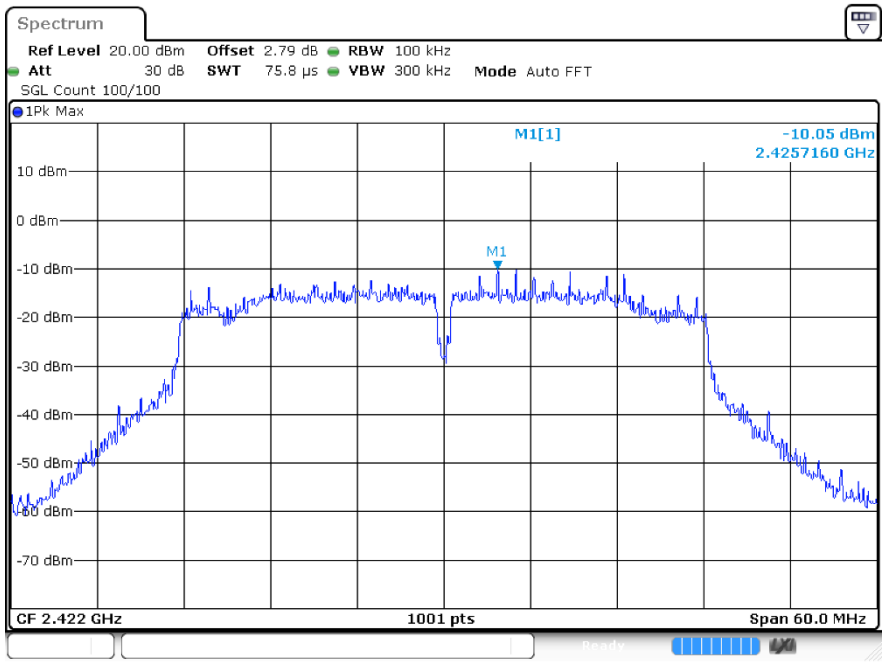
n20 2462MHz Ant1 Emission



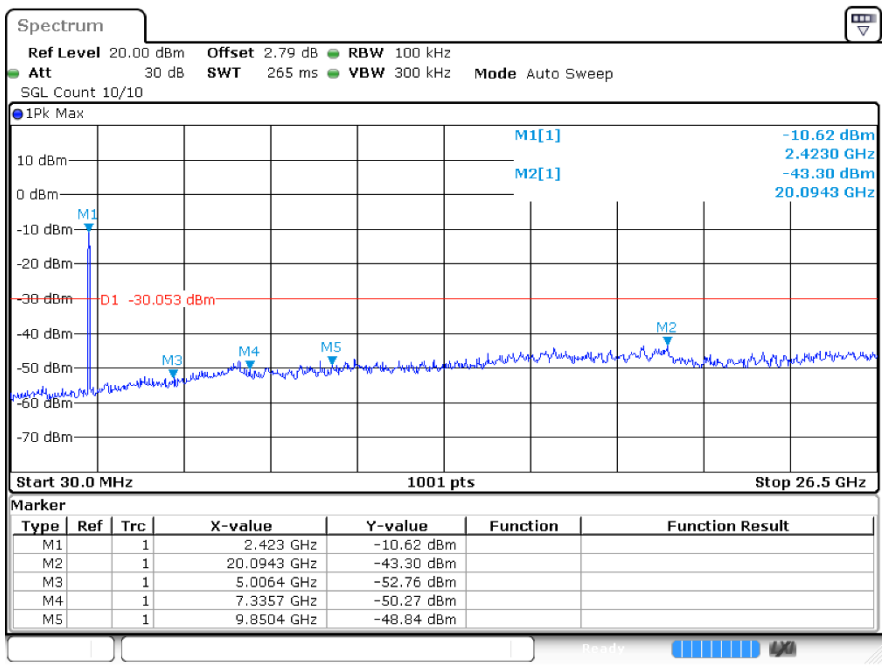
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-11.72 dBm		
M2		1	19.3531 GHz	-43.88 dBm		
M3		1	5.1122 GHz	-53.38 dBm		
M4		1	7.2034 GHz	-50.22 dBm		
M5		1	9.9033 GHz	-48.80 dBm		

n40 2422MHz Ant1 Ref



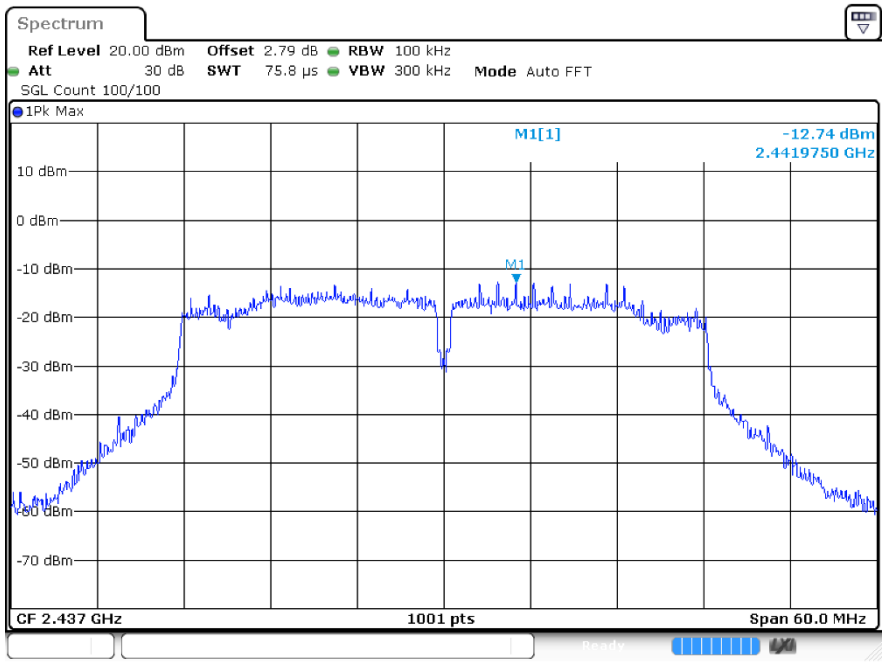
n40 2422MHz Ant1 Emission



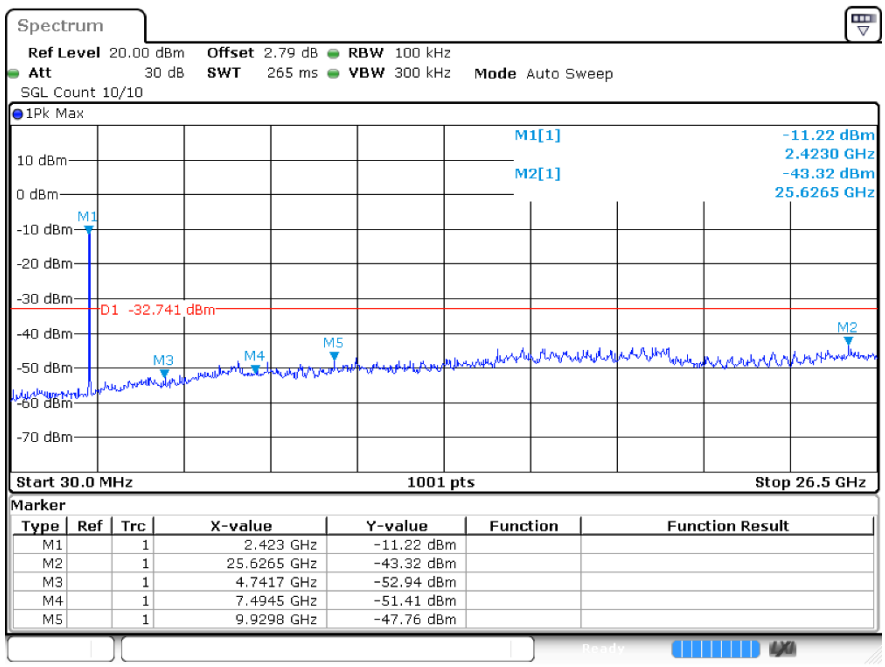
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-10.62 dBm		
M2		1	20.0943 GHz	-43.30 dBm		
M3		1	5.0064 GHz	-52.76 dBm		
M4		1	7.3357 GHz	-50.27 dBm		
M5		1	9.8504 GHz	-48.84 dBm		

n40 2437MHz Ant1 Ref



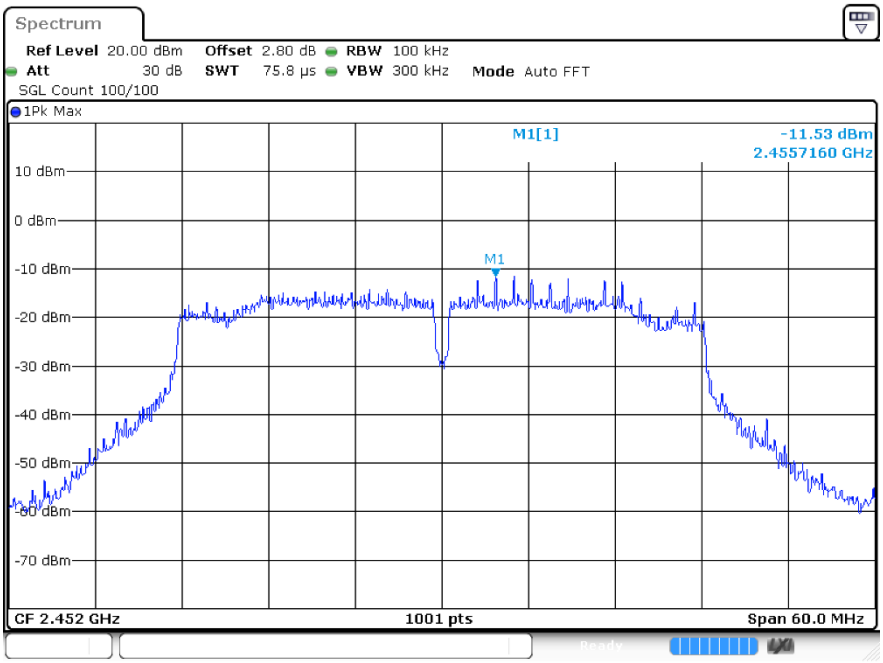
n40 2437MHz Ant1 Emission



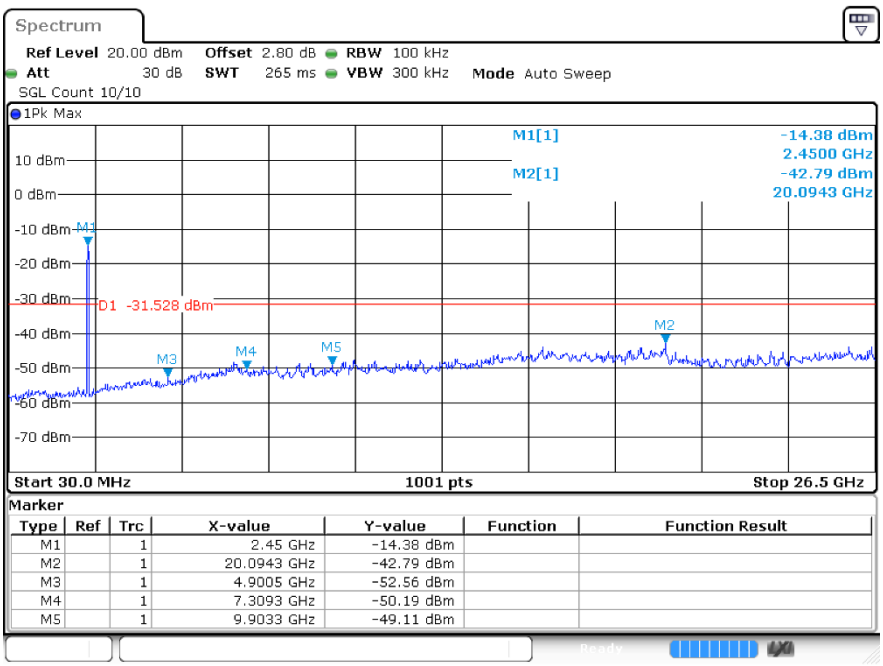
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-11.22 dBm		
M2		1	25.6265 GHz	-43.32 dBm		
M3		1	4.7417 GHz	-52.94 dBm		
M4		1	7.4945 GHz	-51.41 dBm		
M5		1	9.9298 GHz	-47.76 dBm		

n40 2452MHz Ant1 Ref



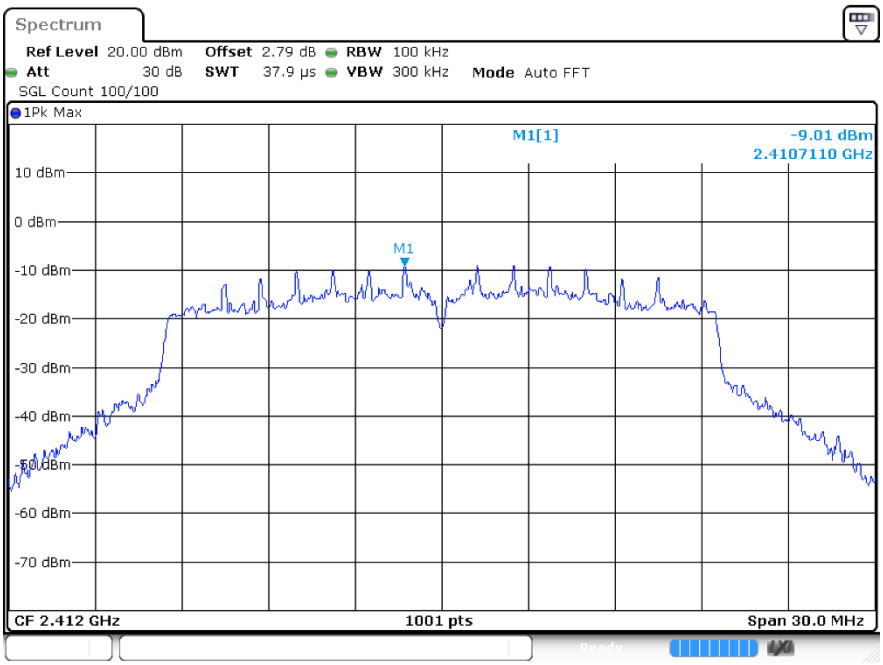
n40 2452MHz Ant1 Emission



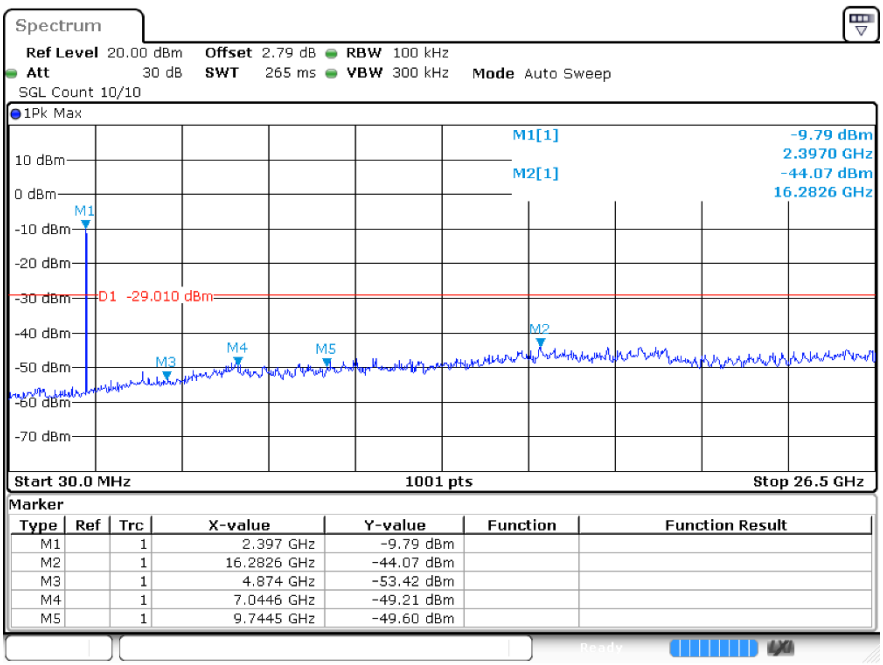
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-14.38 dBm		
M2		1	20.0943 GHz	-42.79 dBm		
M3		1	4.9005 GHz	-52.56 dBm		
M4		1	7.3093 GHz	-50.19 dBm		
M5		1	9.9033 GHz	-49.11 dBm		

ax20 2412MHz Ant1 Ref



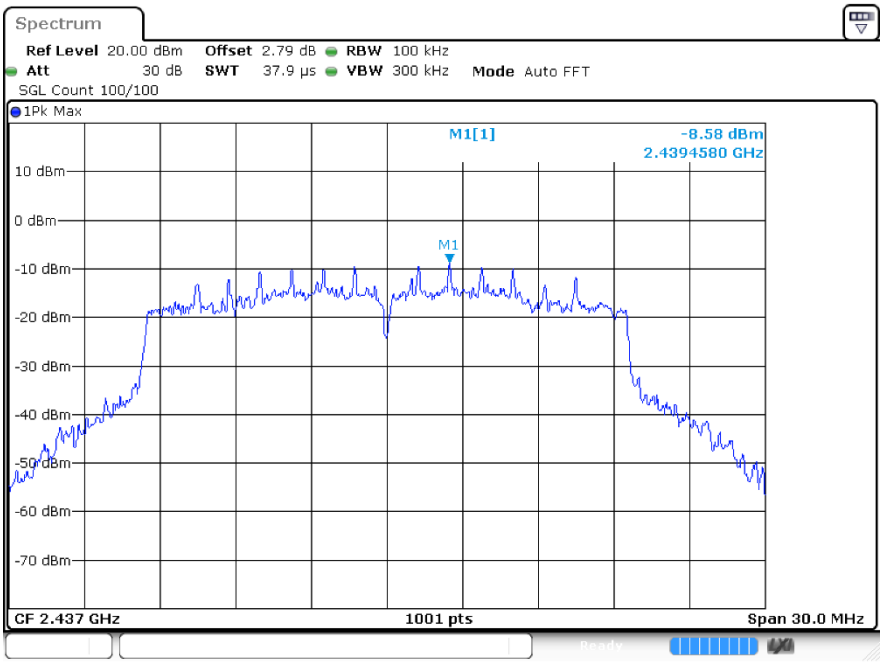
ax20 2412MHz Ant1 Emission



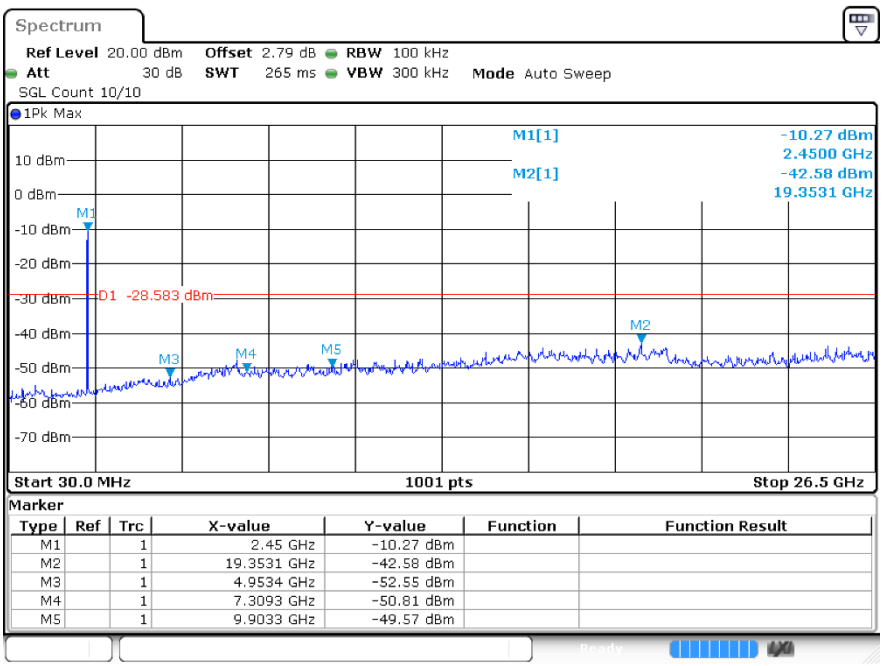
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-9.79 dBm		
M2		1	16.2826 GHz	-44.07 dBm		
M3		1	4.874 GHz	-53.42 dBm		
M4		1	7.0446 GHz	-49.21 dBm		
M5		1	9.7445 GHz	-49.60 dBm		

ax20 2437MHz Ant1 Ref



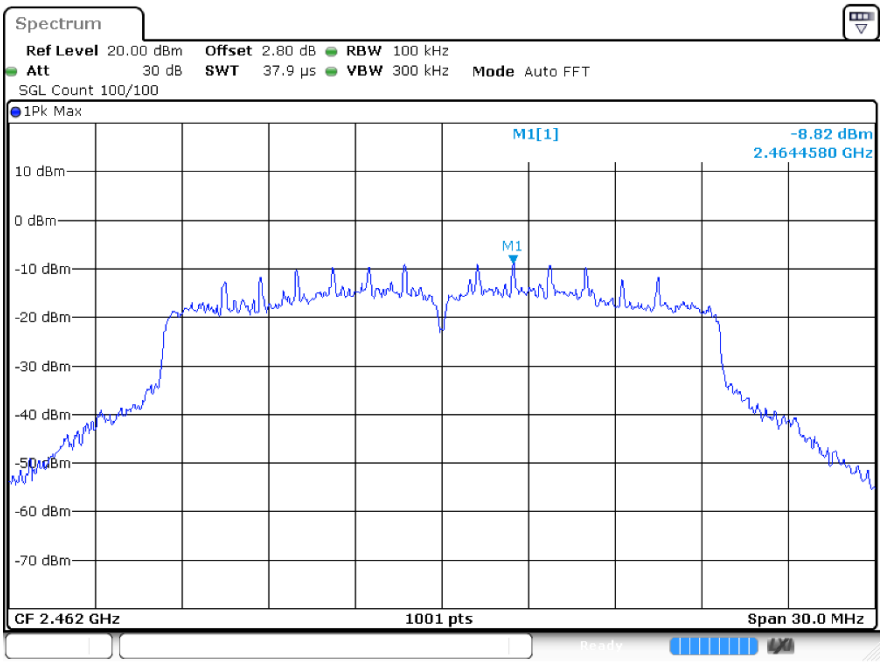
ax20 2437MHz Ant1 Emission



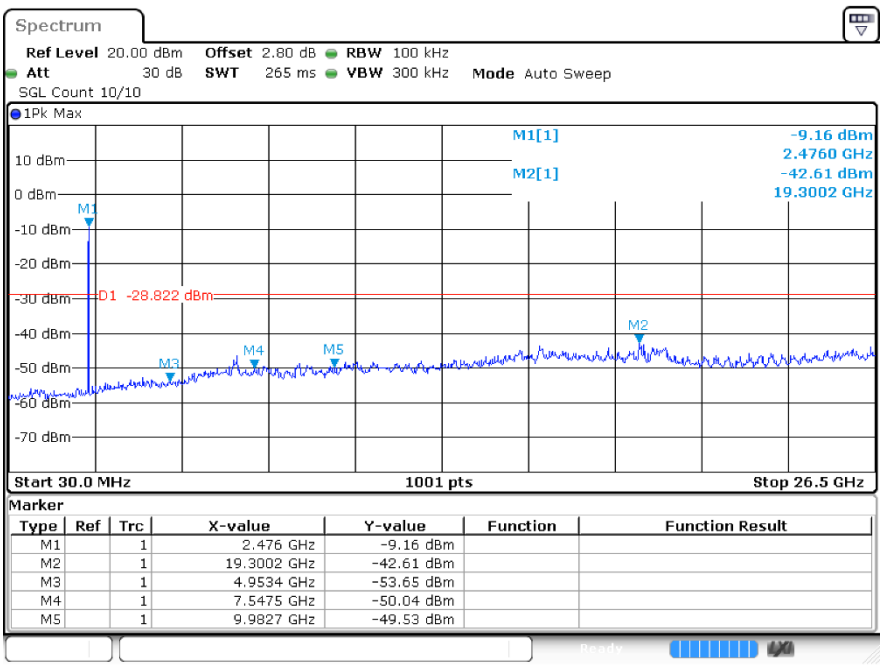
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-10.27 dBm		
M2		1	19.3531 GHz	-42.58 dBm		
M3		1	4.9534 GHz	-52.55 dBm		
M4		1	7.3093 GHz	-50.81 dBm		
M5		1	9.9033 GHz	-49.57 dBm		

ax20 2462MHz Ant1 Ref



ax20 2462MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-9.16 dBm		
M2		1	19.3002 GHz	-42.61 dBm		
M3		1	4.9534 GHz	-53.65 dBm		
M4		1	7.5475 GHz	-50.04 dBm		
M5		1	9.9827 GHz	-49.53 dBm		