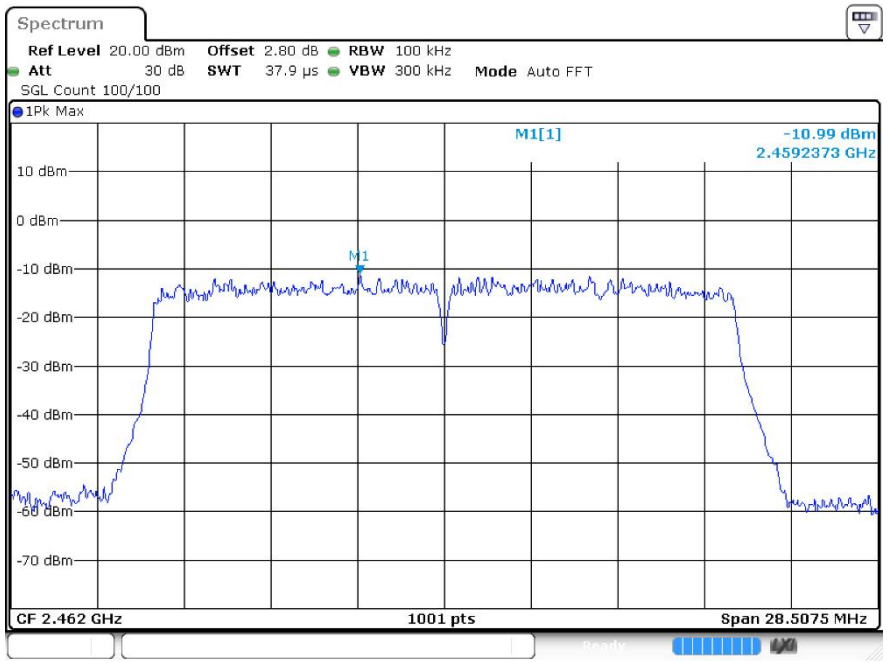
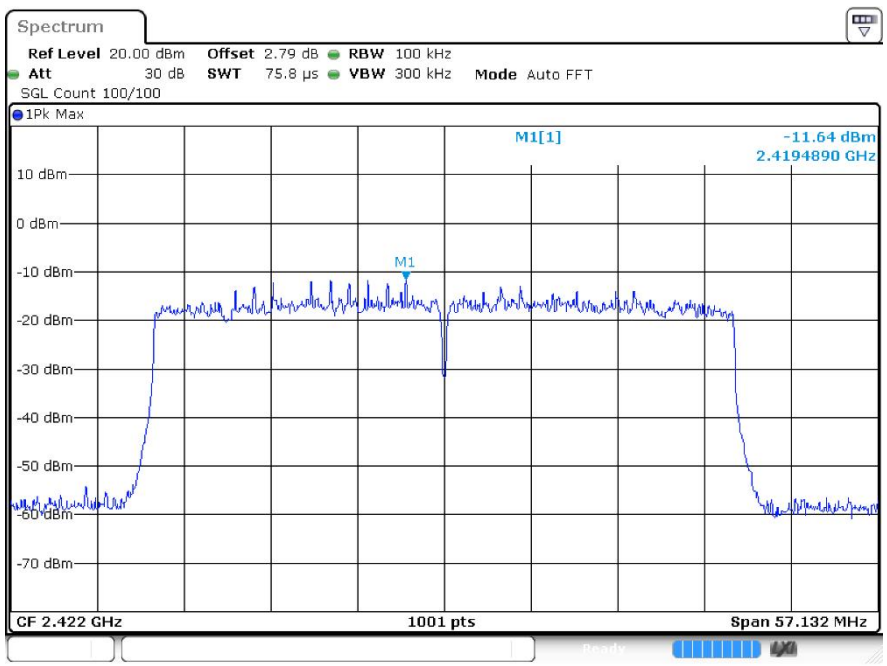
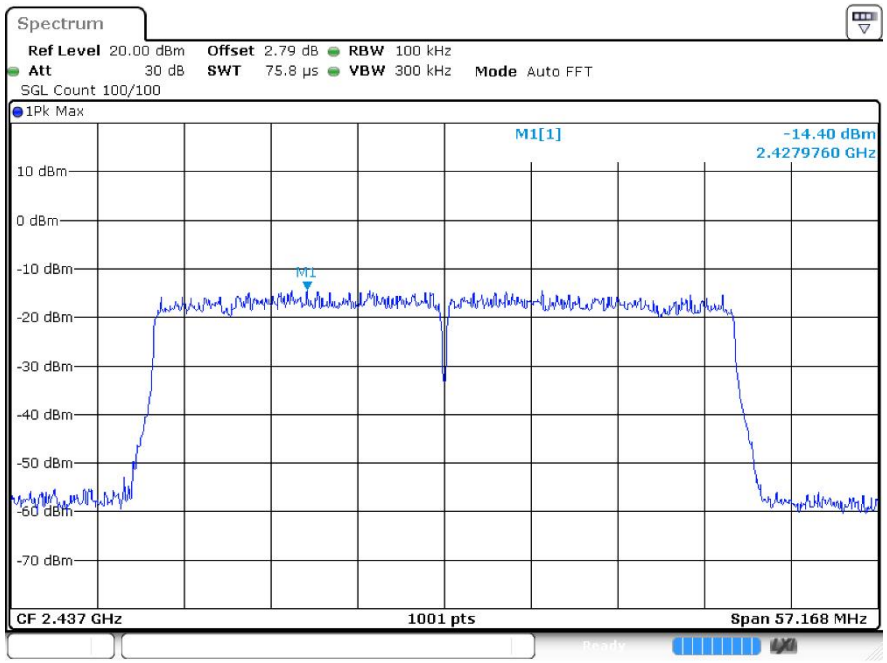
PSD ax20 2462MHz Ant2



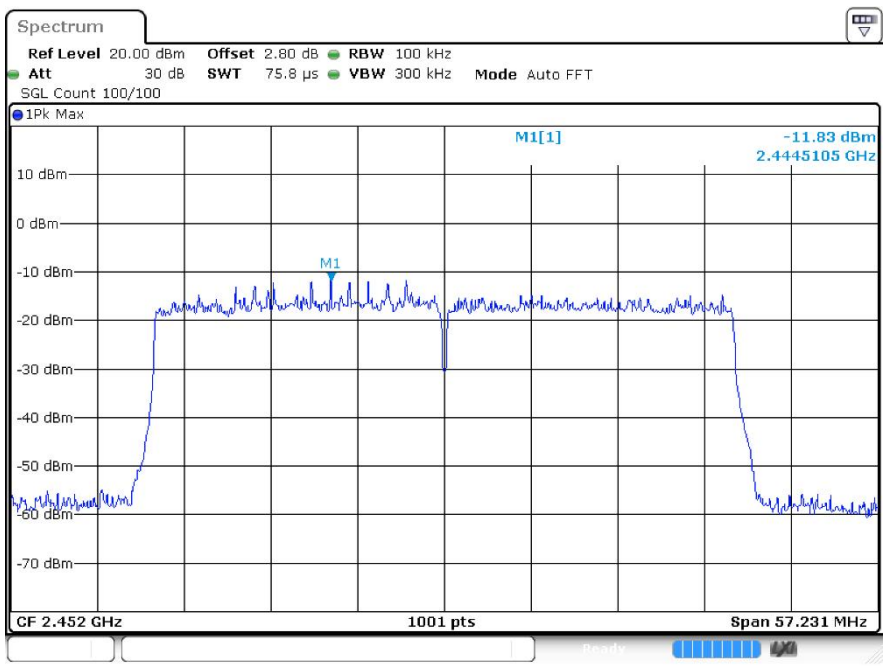
PSD ax40 2422MHz Ant2



PSD ax40 2437MHz Ant2



PSD ax40 2452MHz Ant2



5 Band Edge

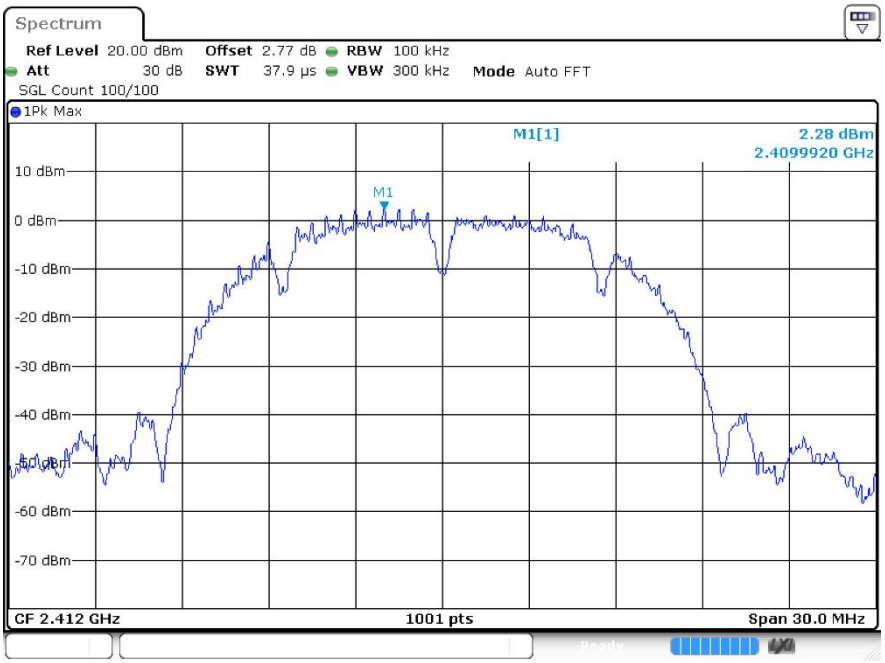
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-57.16	-20	Pass
b	2462	Ant1	-56.65	-20	Pass
g	2412	Ant1	-50.76	-20	Pass
g	2462	Ant1	-53.03	-20	Pass
n20	2412	Ant1	-45.68	-20	Pass
n20	2462	Ant1	-49.87	-20	Pass
n40	2422	Ant1	-44.91	-20	Pass
n40	2452	Ant1	-43.15	-20	Pass
ax20	2412	Ant1	-45.38	-20	Pass
ax20	2462	Ant1	-44.67	-20	Pass
ax40	2422	Ant1	-42.76	-20	Pass
ax40	2452	Ant1	-45.51	-20	Pass
b	2412	Ant2	-54.38	-20	-54.38
b	2462	Ant2	-54.81	-20	Pass
g	2412	Ant2	-49.59	-20	Pass
g	2462	Ant2	-49.68	-20	Pass
n20	2412	Ant2	-44.33	-20	Pass
n20	2462	Ant2	-45.37	-20	Pass
n40	2422	Ant2	-41.53	-20	Pass
n40	2452	Ant2	-44.36	-20	Pass
ax20	2412	Ant2	-41.58	-20	Pass
ax20	2462	Ant2	-44.63	-20	Pass
ax40	2422	Ant2	-40.66	-20	Pass
ax40	2452	Ant2	-42.32	-20	Pass

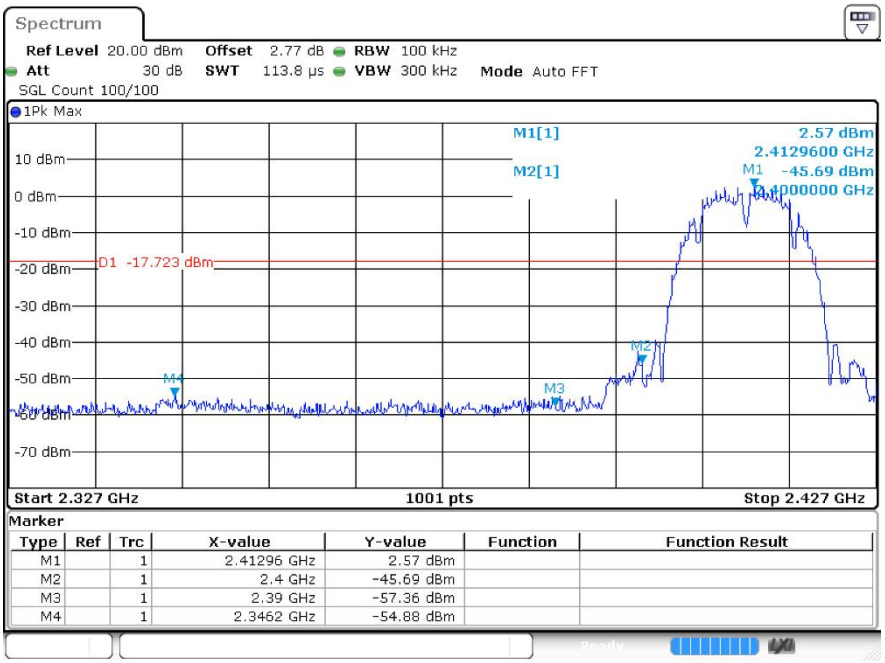
5.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref



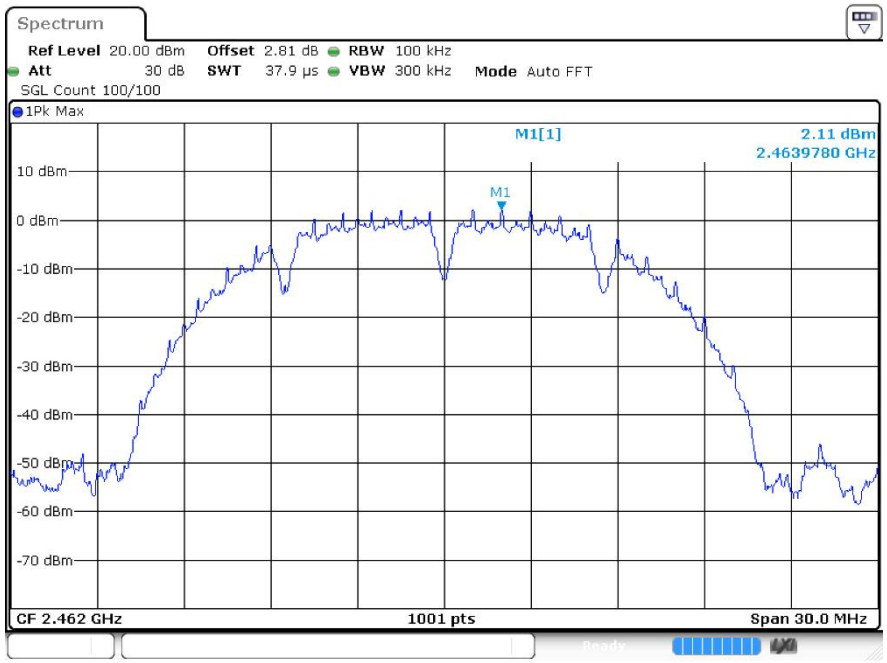
b 2412MHz Ant1 Emission



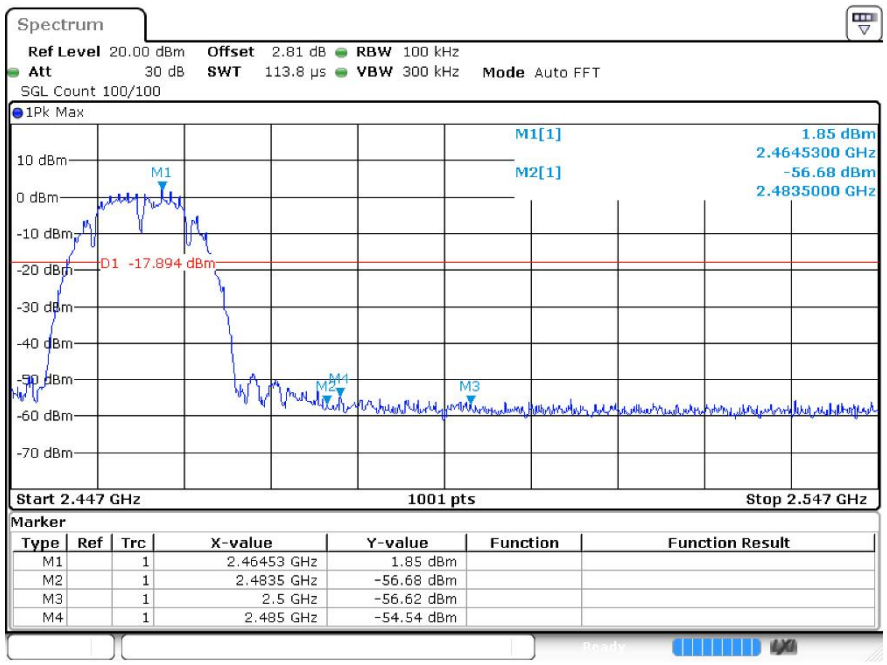
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41296 GHz	2.57 dBm		
M2		1	2.4 GHz	-45.69 dBm		
M3		1	2.39 GHz	-57.36 dBm		
M4		1	2.3462 GHz	-54.88 dBm		

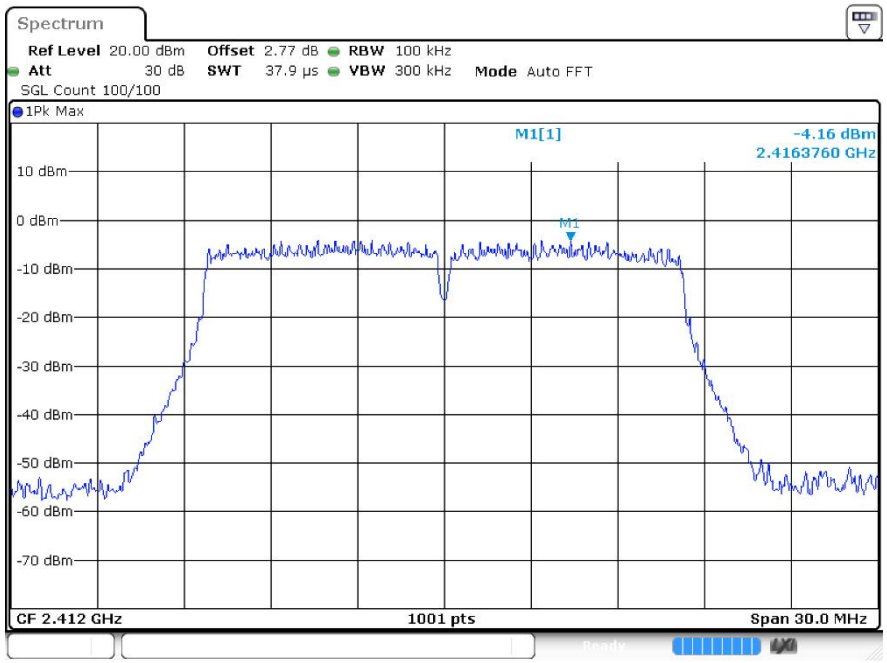
b 2462MHz Ant1 Ref



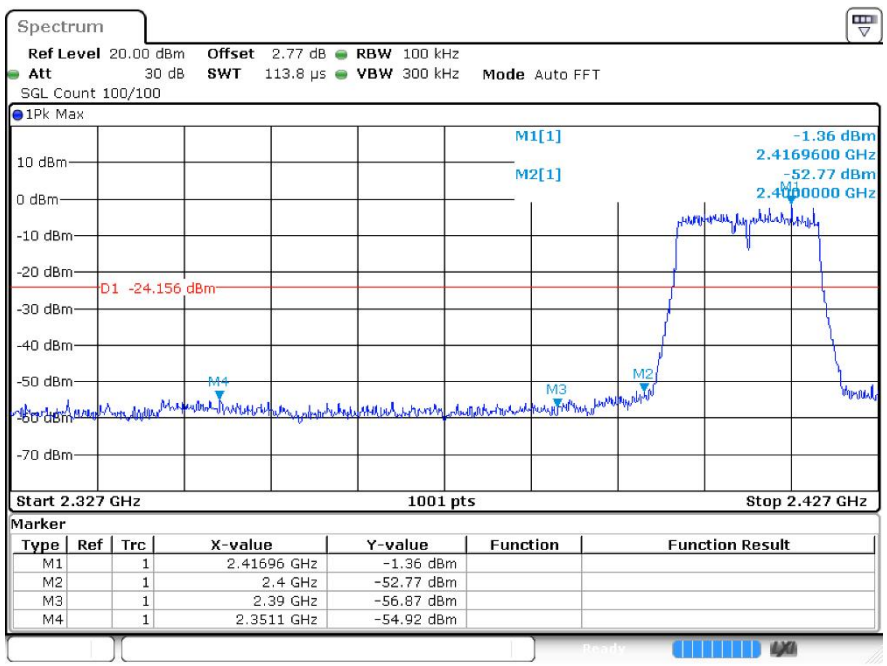
b 2462MHz Ant1 Emission



g 2412MHz Ant1 Ref



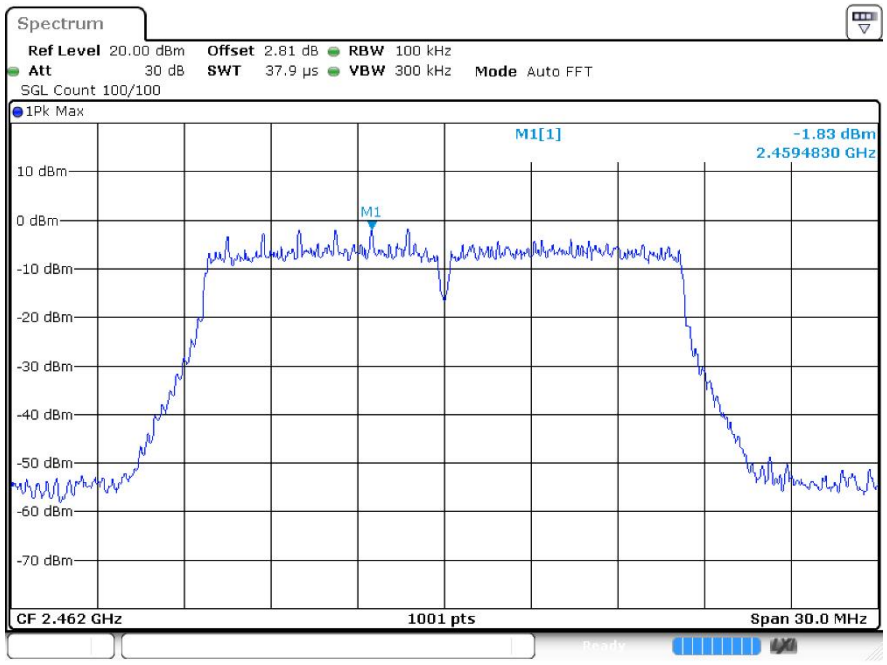
g 2412MHz Ant1 Emission



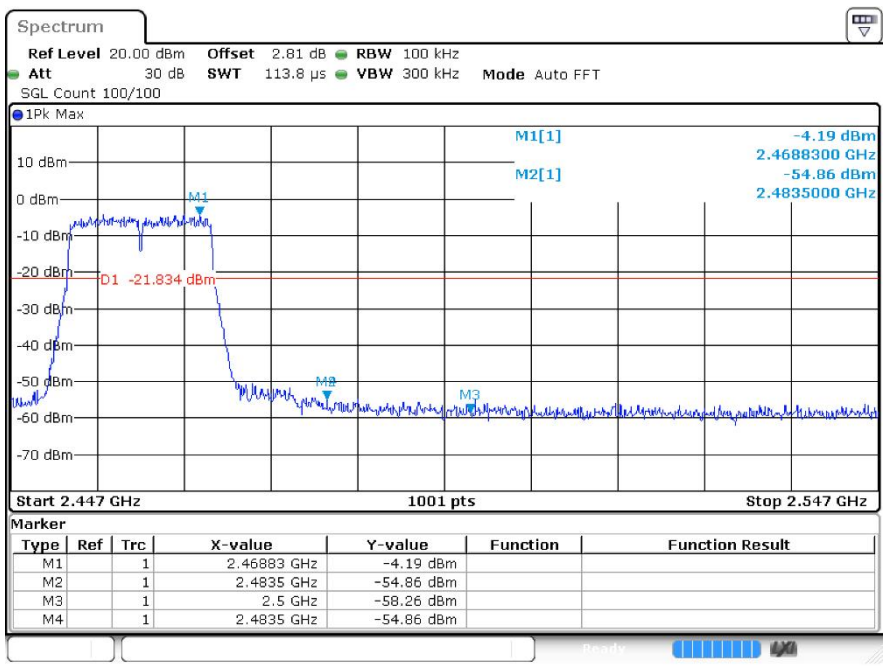
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41696 GHz	-1.36 dBm		
M2		1	2.4 GHz	-52.77 dBm		
M3		1	2.39 GHz	-56.87 dBm		
M4		1	2.3511 GHz	-54.92 dBm		

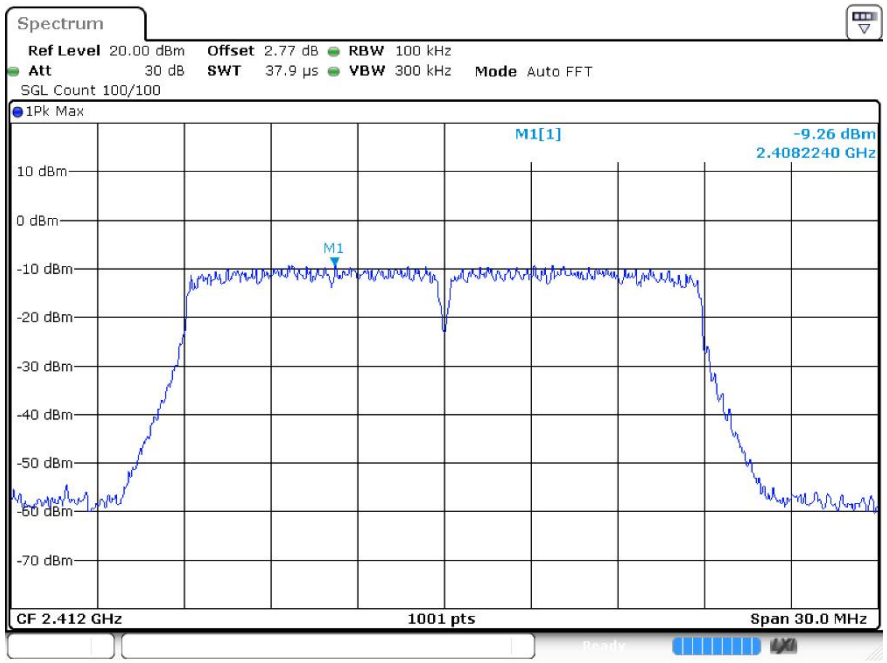
g 2462MHz Ant1 Ref



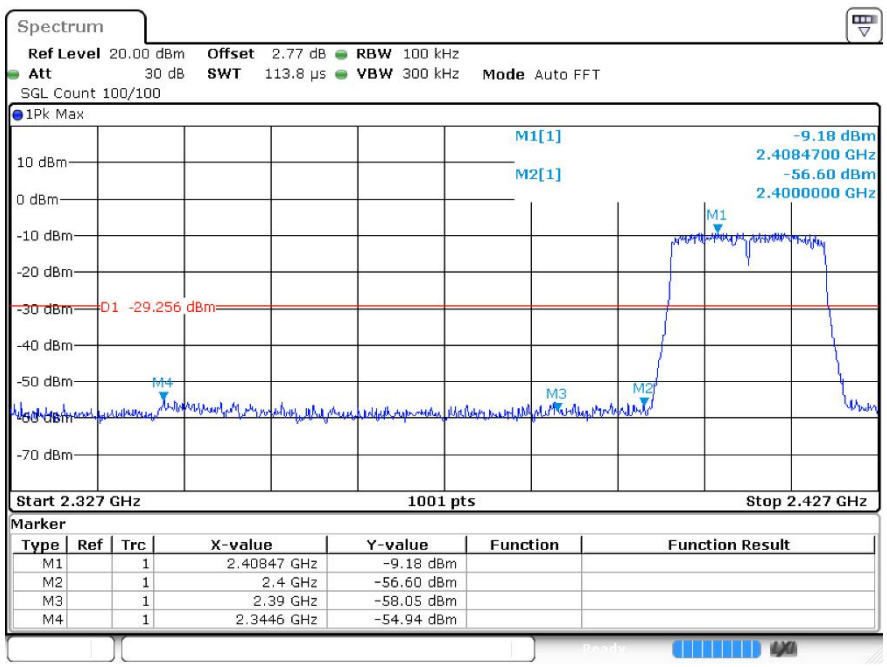
g 2462MHz Ant1 Emission



n20 2412MHz Ant1 Ref

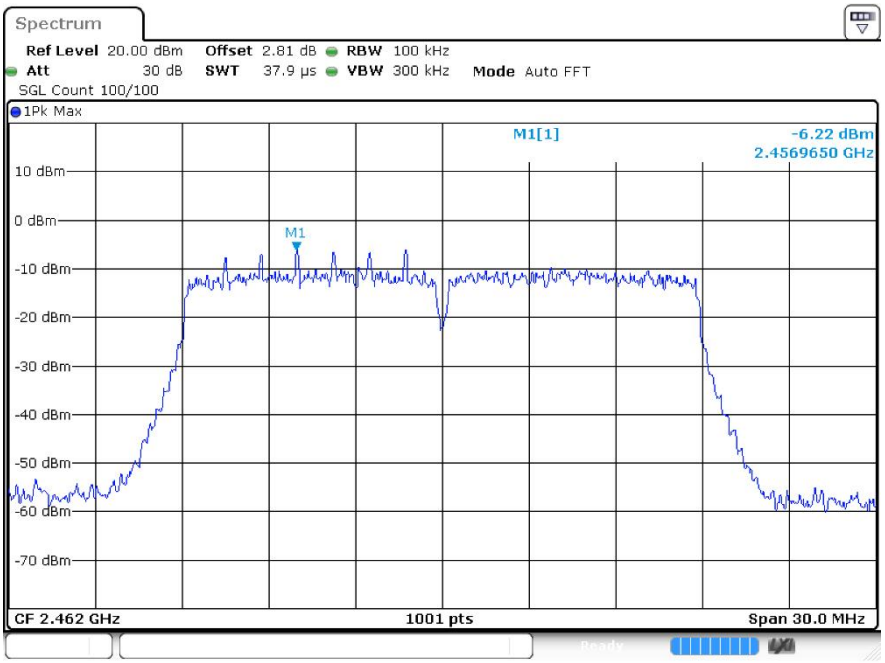


n20 2412MHz Ant1 Emission

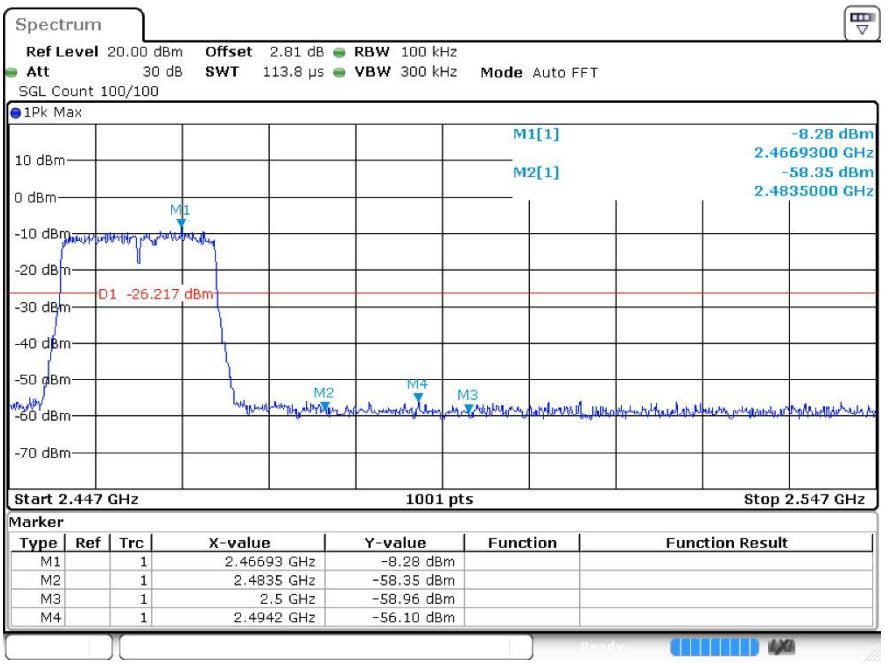


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40847 GHz	-9.18 dBm		
M2		1	2.4 GHz	-56.60 dBm		
M3		1	2.39 GHz	-58.05 dBm		
M4		1	2.3446 GHz	-54.94 dBm		

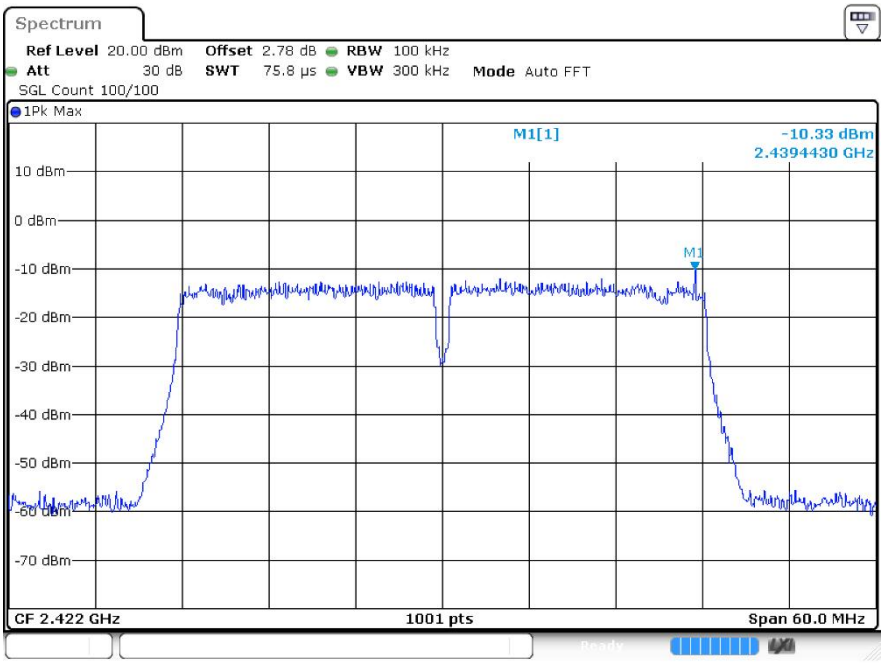
n20 2462MHz Ant1 Ref



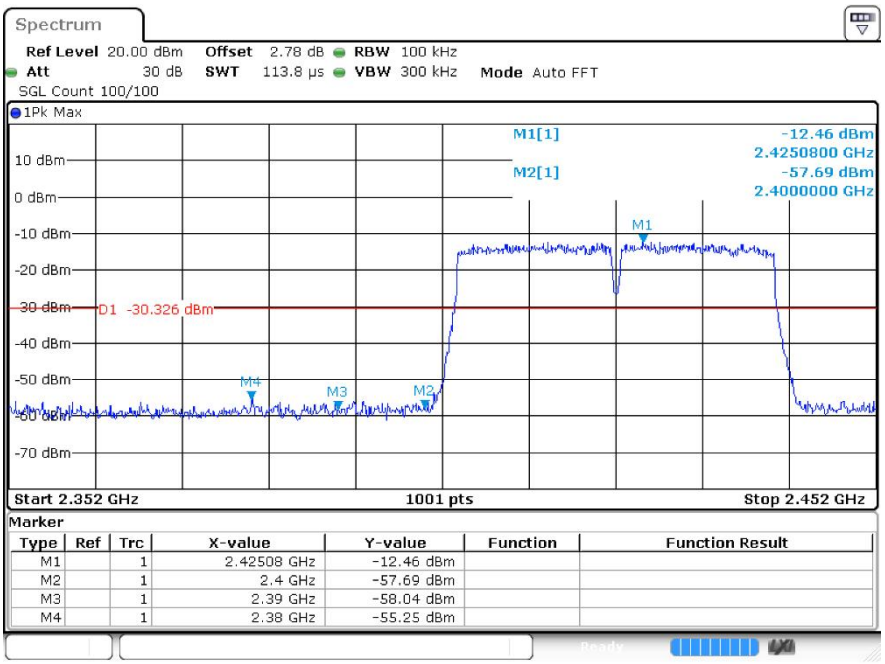
n20 2462MHz Ant1 Emission



n40 2422MHz Ant1 Ref

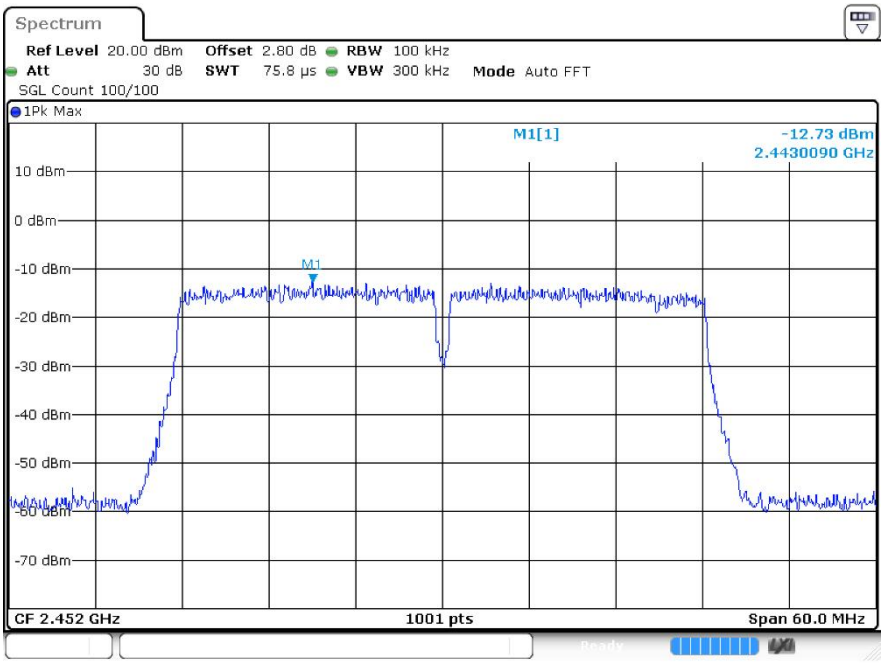


n40 2422MHz Ant1 Emission

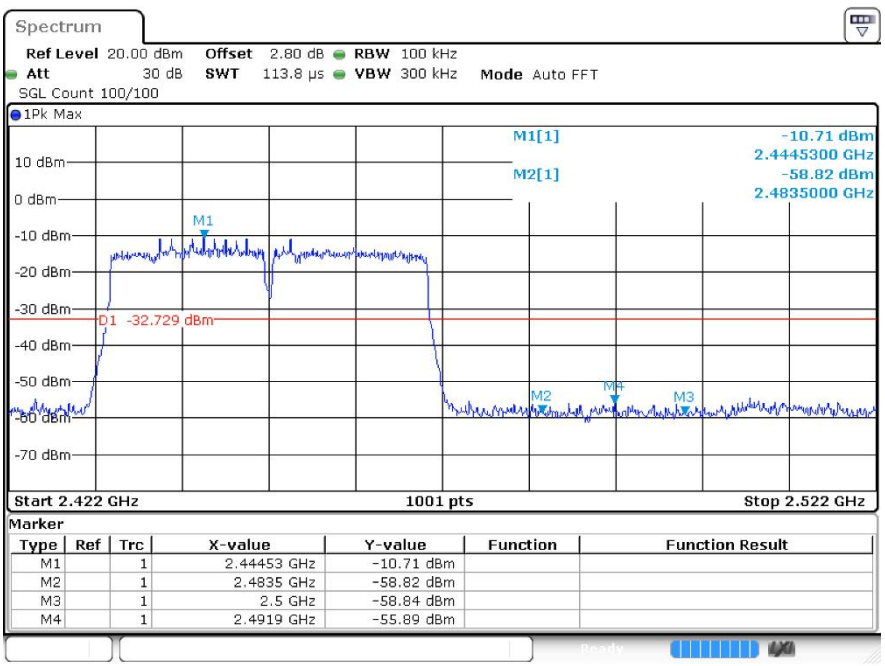


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42508 GHz	-12.46 dBm		
M2		1	2.4 GHz	-57.69 dBm		
M3		1	2.39 GHz	-58.04 dBm		
M4		1	2.38 GHz	-55.25 dBm		

n40 2452MHz Ant1 Ref



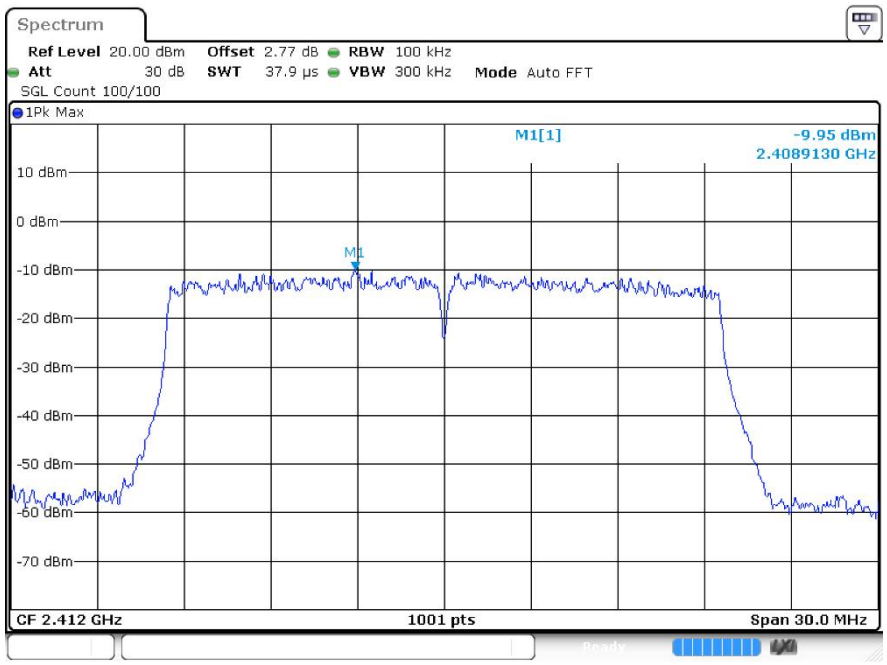
n40 2452MHz Ant1 Emission



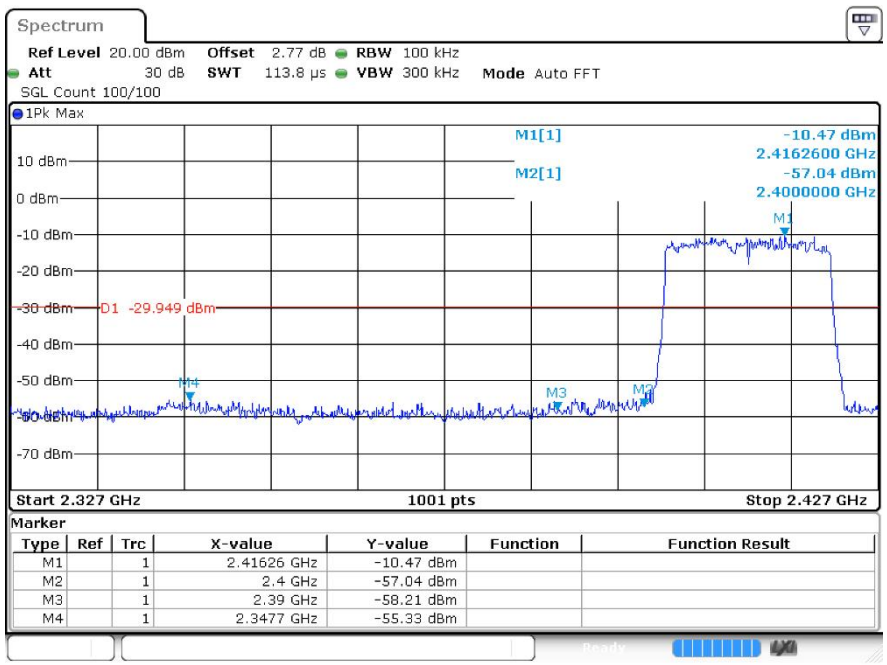
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44453 GHz	-10.71 dBm		
M2		1	2.4835 GHz	-58.82 dBm		
M3		1	2.5 GHz	-58.84 dBm		
M4		1	2.4919 GHz	-55.89 dBm		

ax20 2412MHz Ant1 Ref



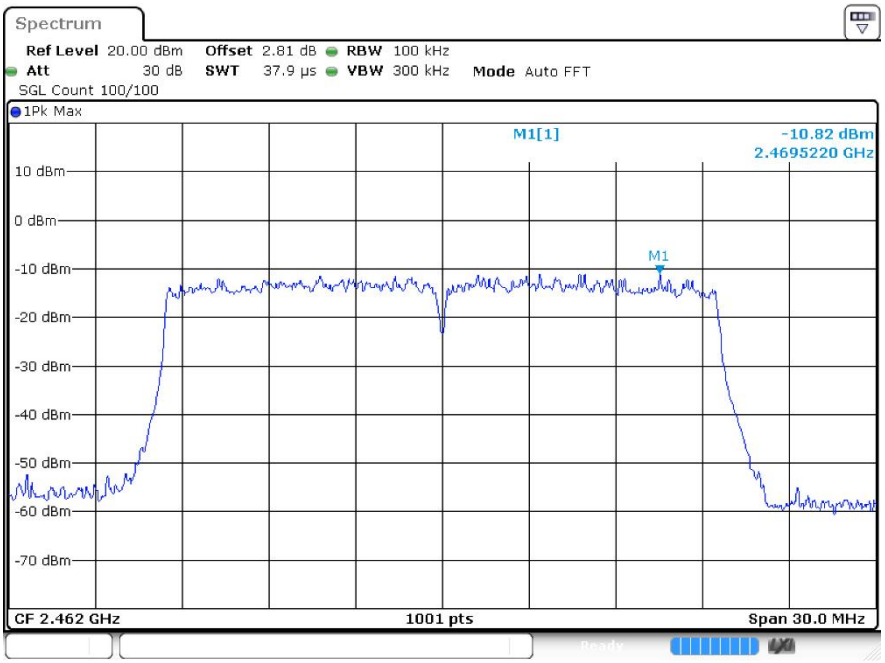
ax20 2412MHz Ant1 Emission



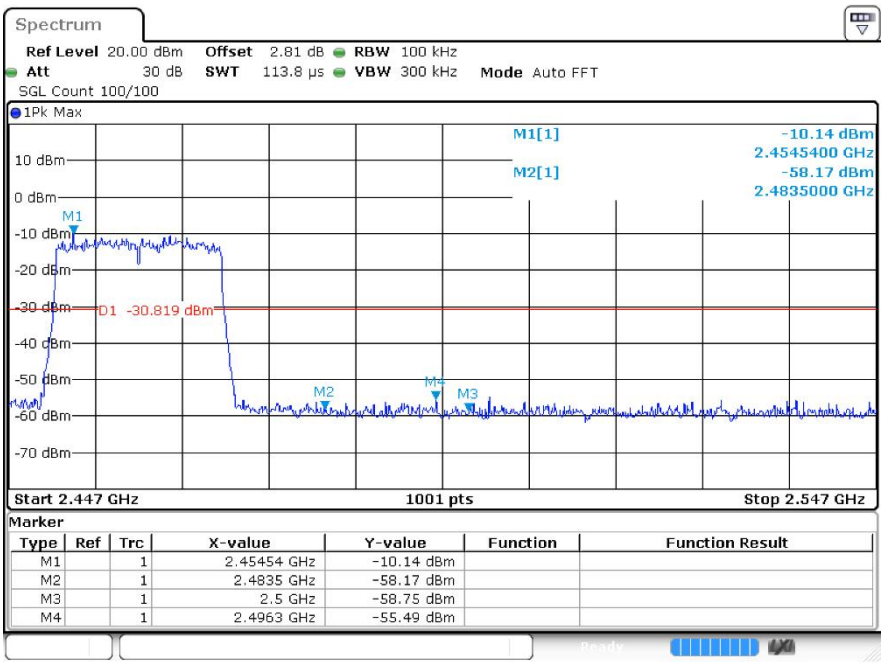
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41626 GHz	-10.47 dBm		
M2		1	2.4 GHz	-57.04 dBm		
M3		1	2.39 GHz	-58.21 dBm		
M4		1	2.3477 GHz	-55.33 dBm		

ax20 2462MHz Ant1 Ref



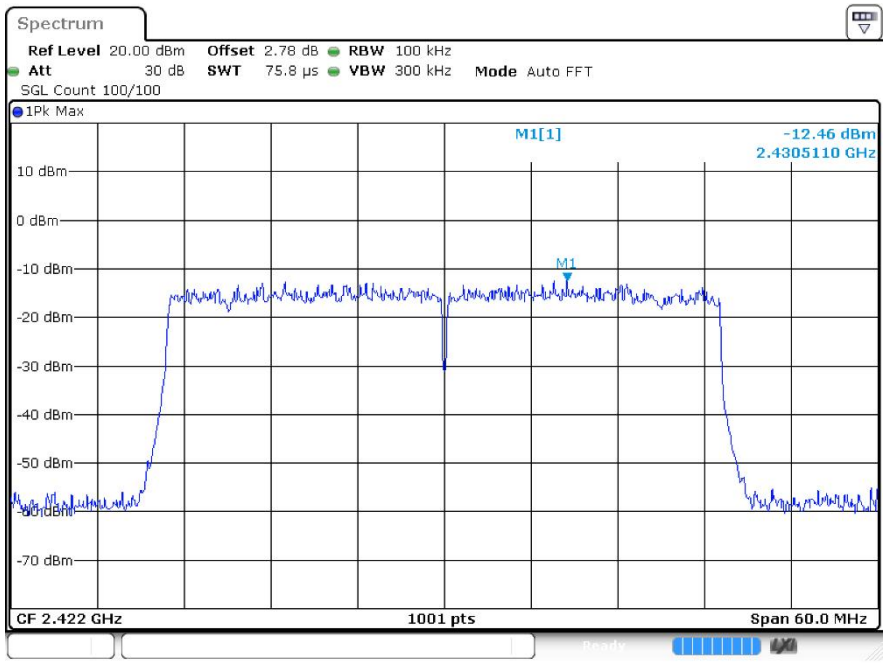
ax20 2462MHz Ant1 Emission



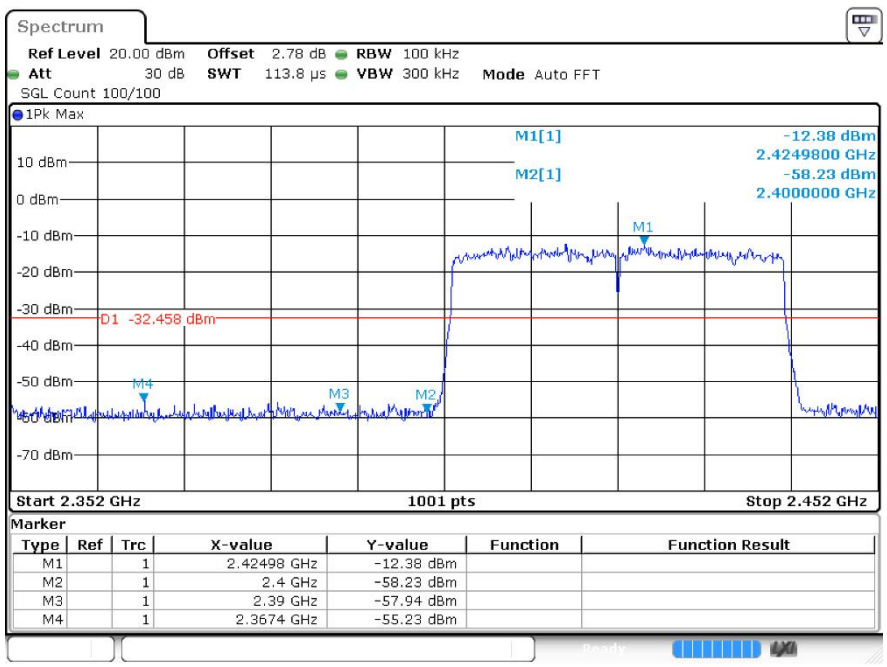
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45454 GHz	-10.14 dBm		
M2		1	2.4835 GHz	-58.17 dBm		
M3		1	2.5 GHz	-58.75 dBm		
M4		1	2.4963 GHz	-55.49 dBm		

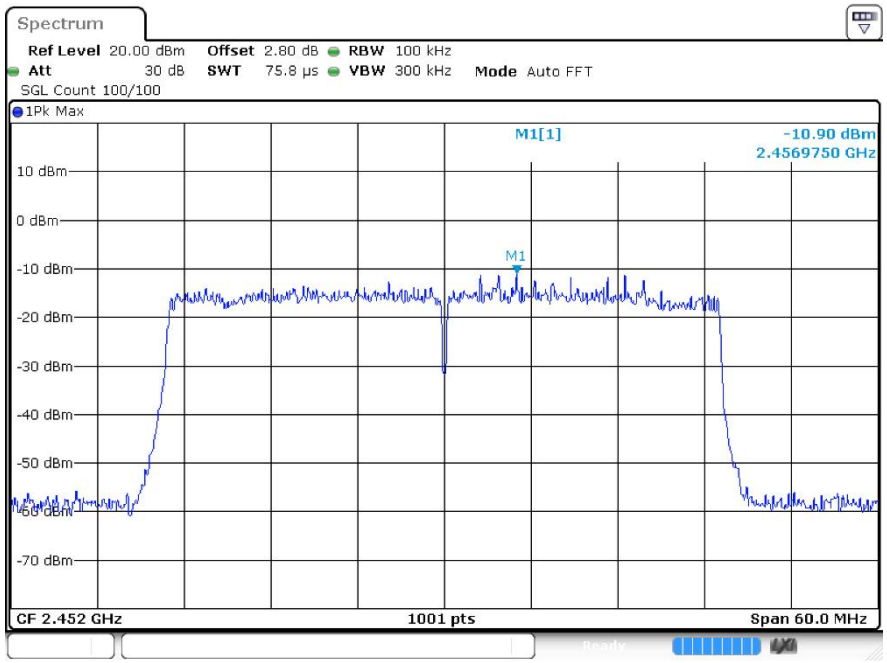
ax40 2422MHz Ant1 Ref



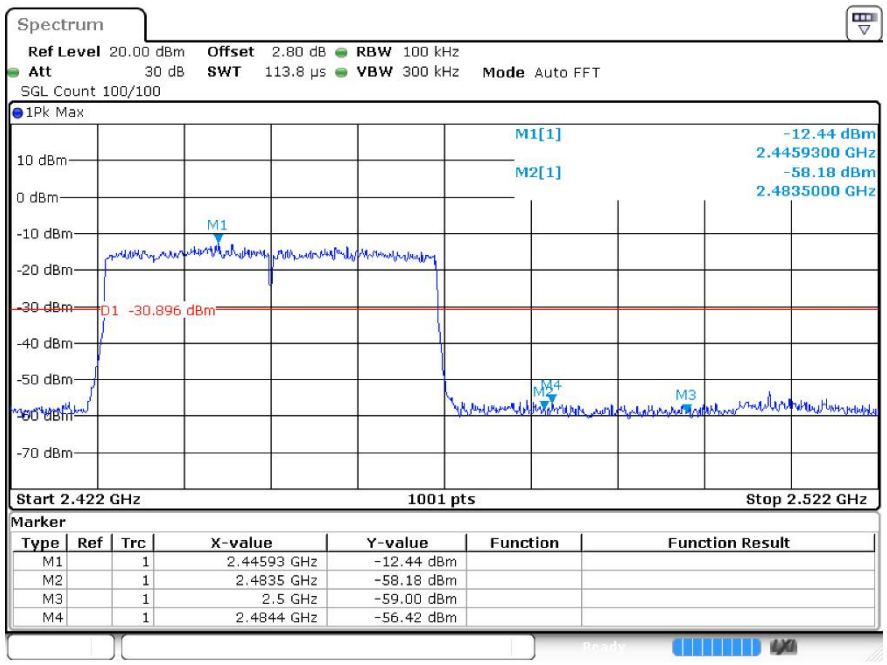
ax40 2422MHz Ant1 Emission



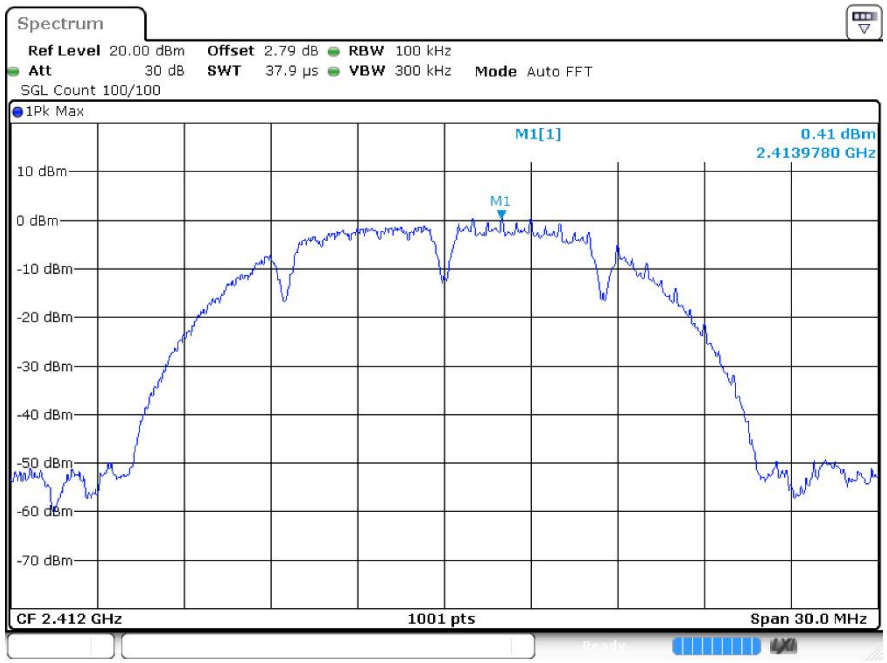
ax40 2452MHz Ant1 Ref



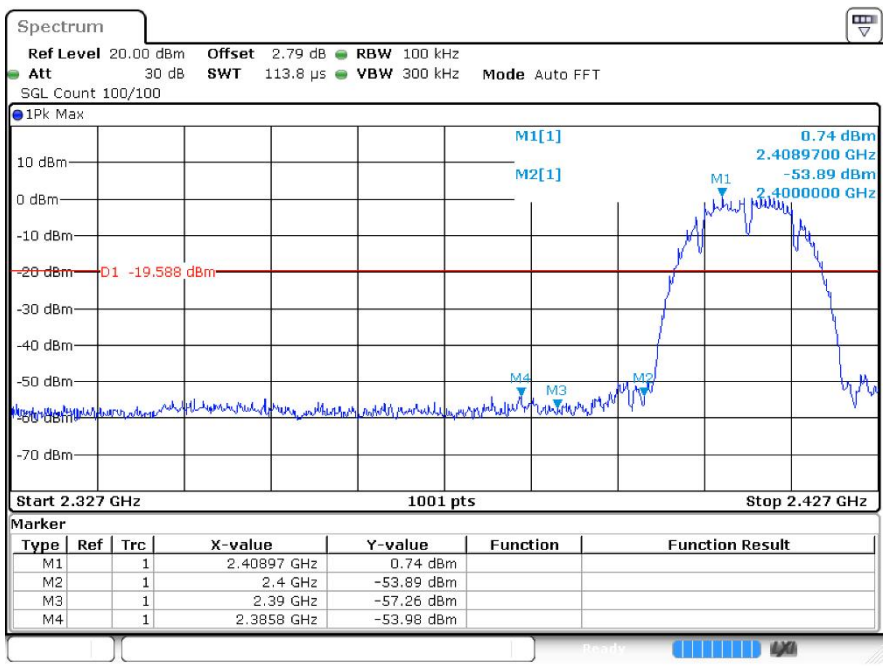
ax40 2452MHz Ant1 Emission



b 2412MHz Ant2 Ref



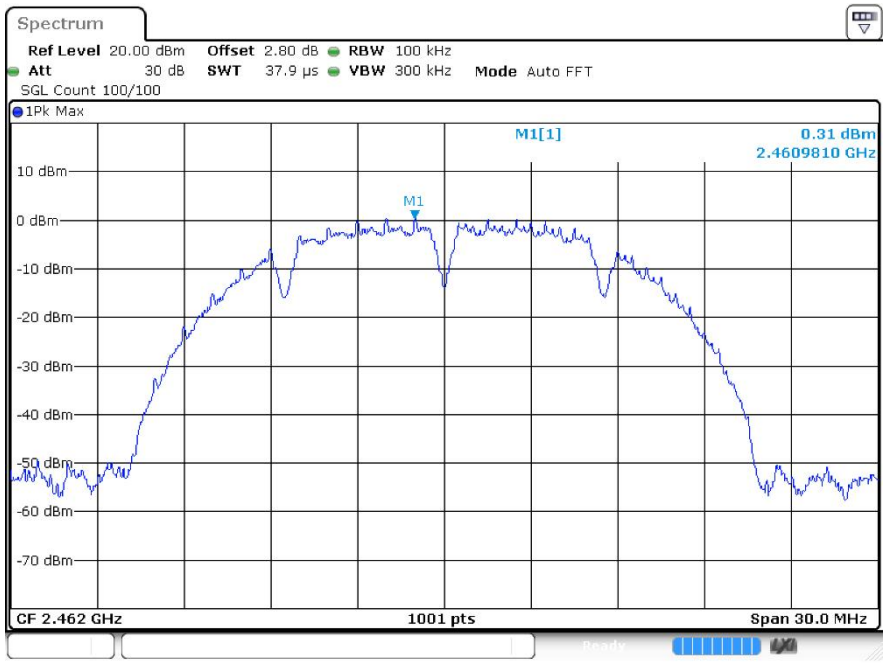
b 2412MHz Ant2 Emission



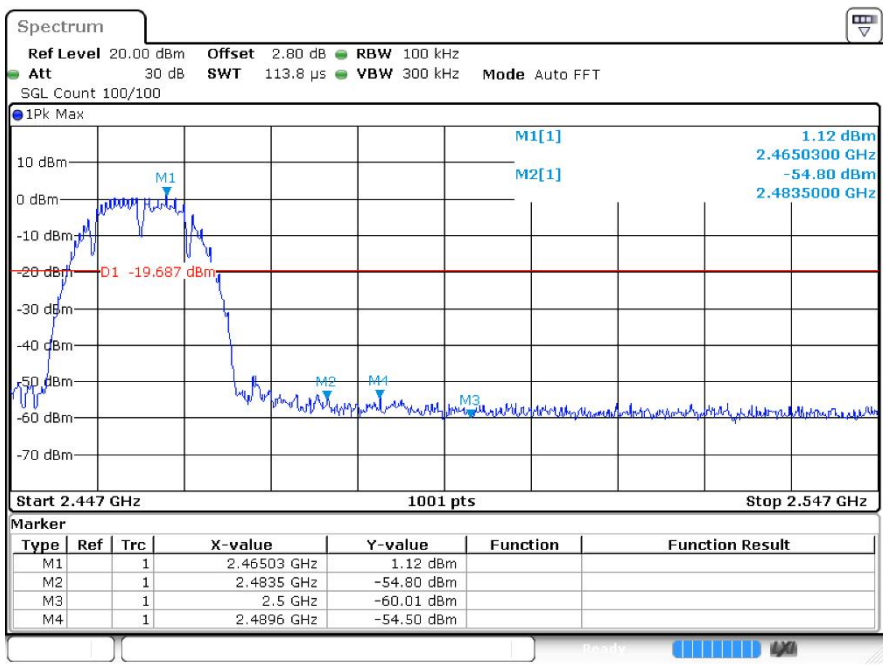
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40897 GHz	0.74 dBm		
M2		1	2.4 GHz	-53.89 dBm		
M3		1	2.39 GHz	-57.26 dBm		
M4		1	2.3858 GHz	-53.98 dBm		

b 2462MHz Ant2 Ref

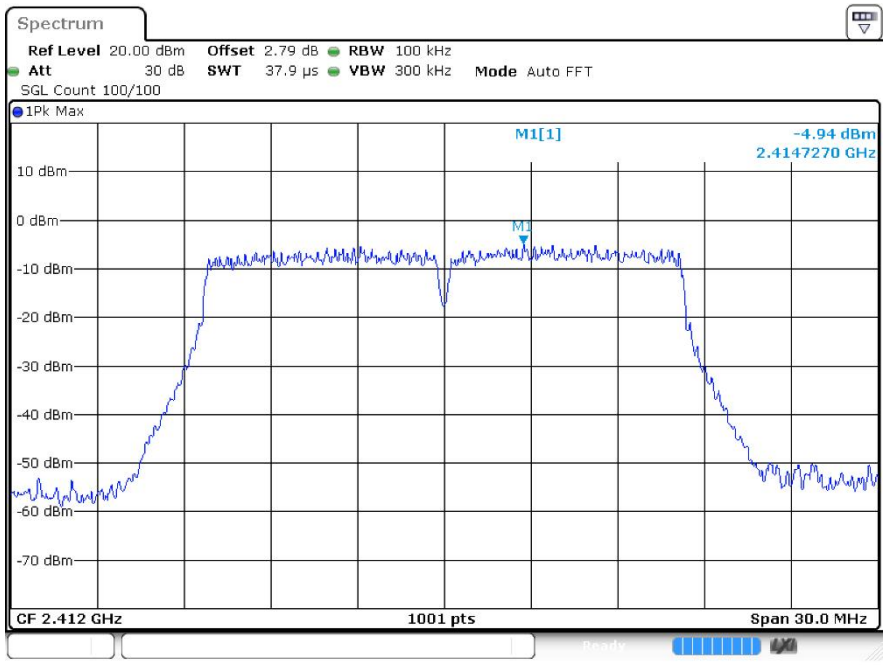


b 2462MHz Ant2 Emission

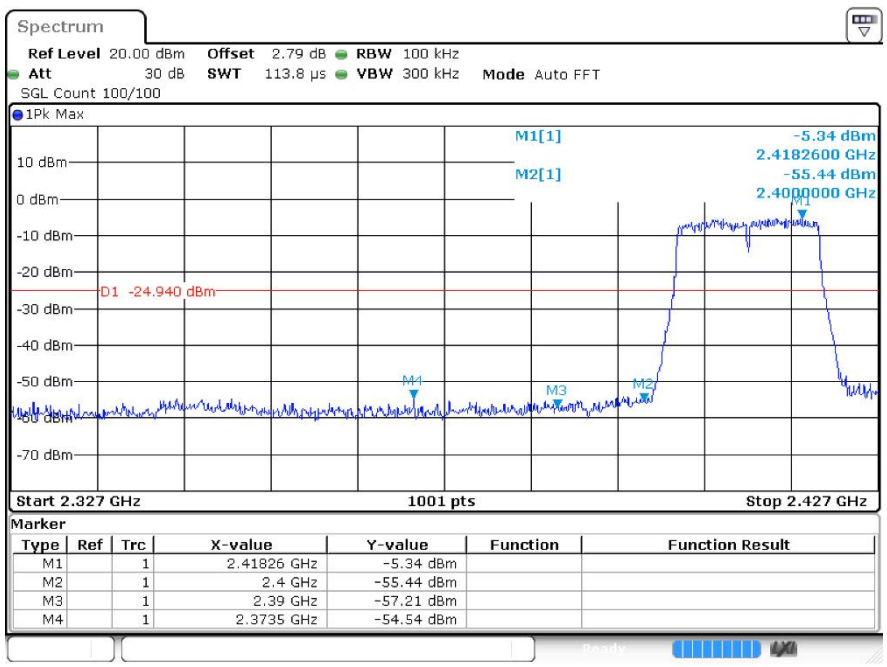


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46503 GHz	1.12 dBm		
M2		1	2.4835 GHz	-54.80 dBm		
M3		1	2.5 GHz	-60.01 dBm		
M4		1	2.4896 GHz	-54.50 dBm		

g 2412MHz Ant2 Ref



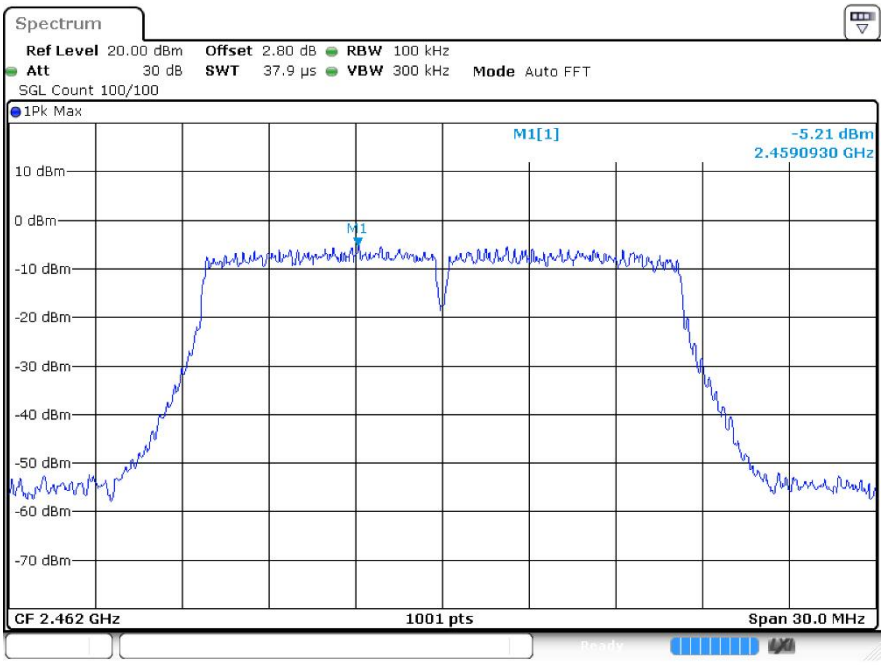
g 2412MHz Ant2 Emission



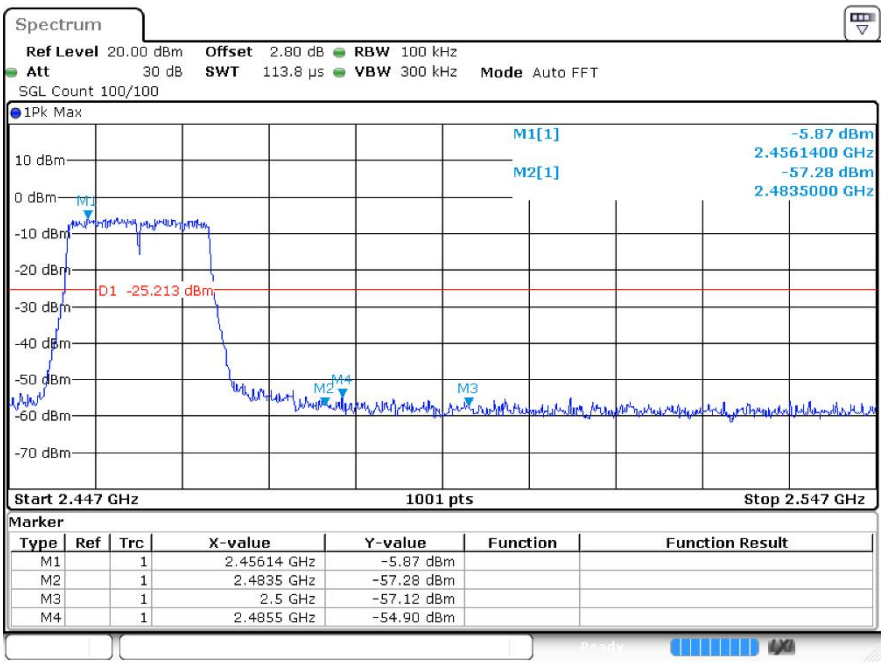
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41826 GHz	-5.34 dBm		
M2		1	2.4 GHz	-55.44 dBm		
M3		1	2.39 GHz	-57.21 dBm		
M4		1	2.3735 GHz	-54.54 dBm		

g 2462MHz Ant2 Ref



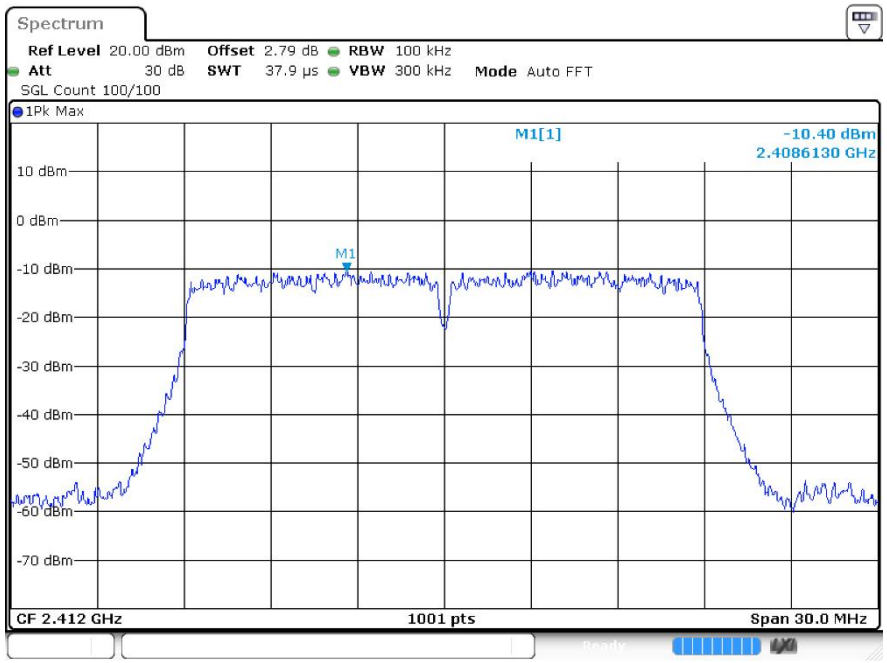
g 2462MHz Ant2 Emission



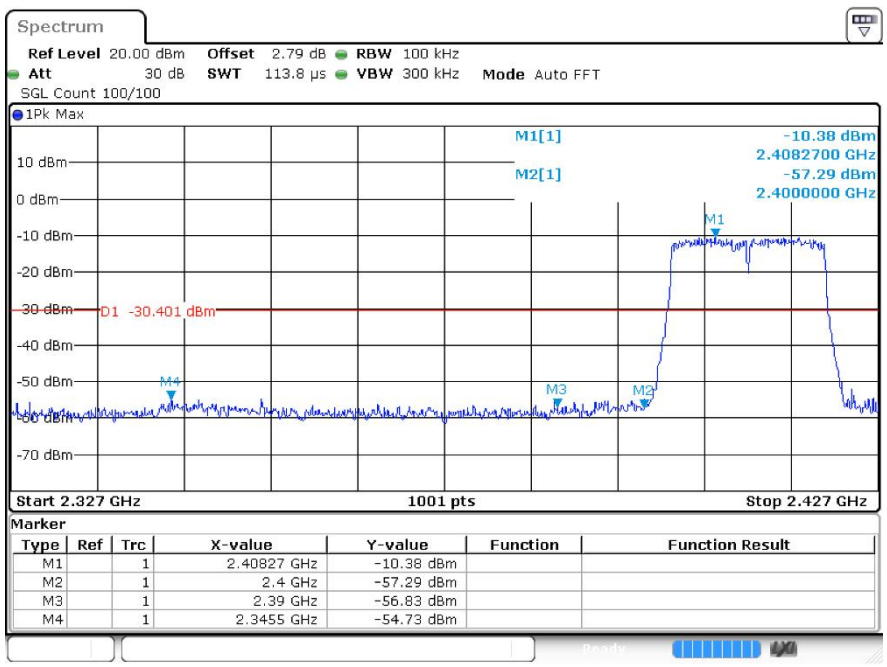
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45614 GHz	-5.87 dBm		
M2		1	2.4835 GHz	-57.28 dBm		
M3		1	2.5 GHz	-57.12 dBm		
M4		1	2.4855 GHz	-54.90 dBm		

n20 2412MHz Ant2 Ref

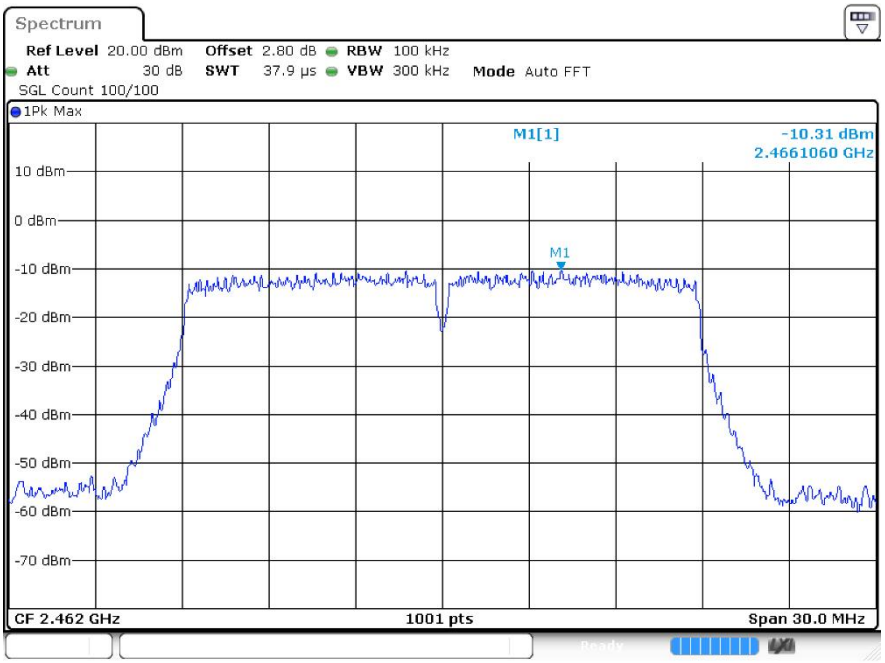


n20 2412MHz Ant2 Emission

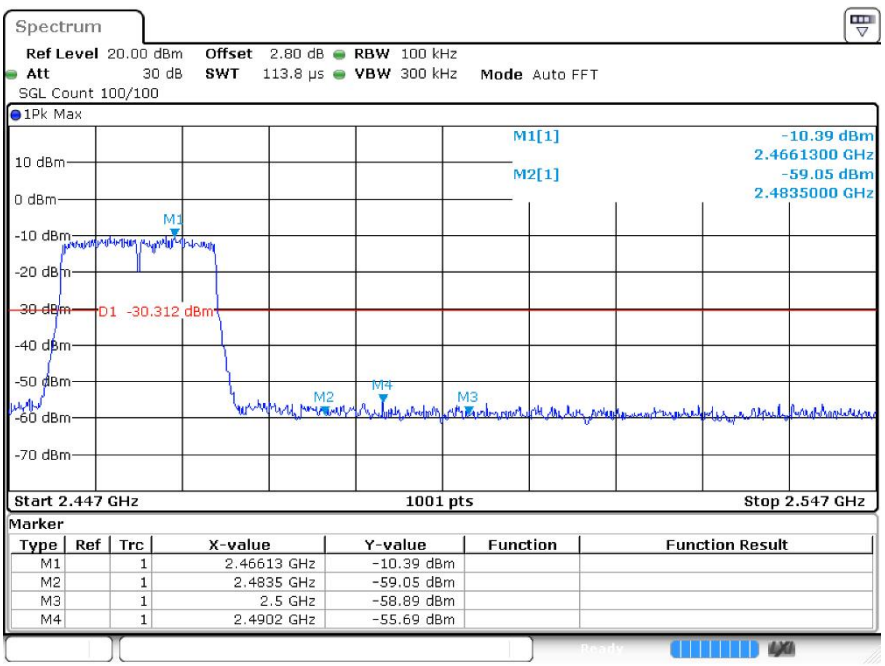


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40827 GHz	-10.38 dBm		
M2		1	2.4 GHz	-57.29 dBm		
M3		1	2.39 GHz	-56.83 dBm		
M4		1	2.3455 GHz	-54.73 dBm		

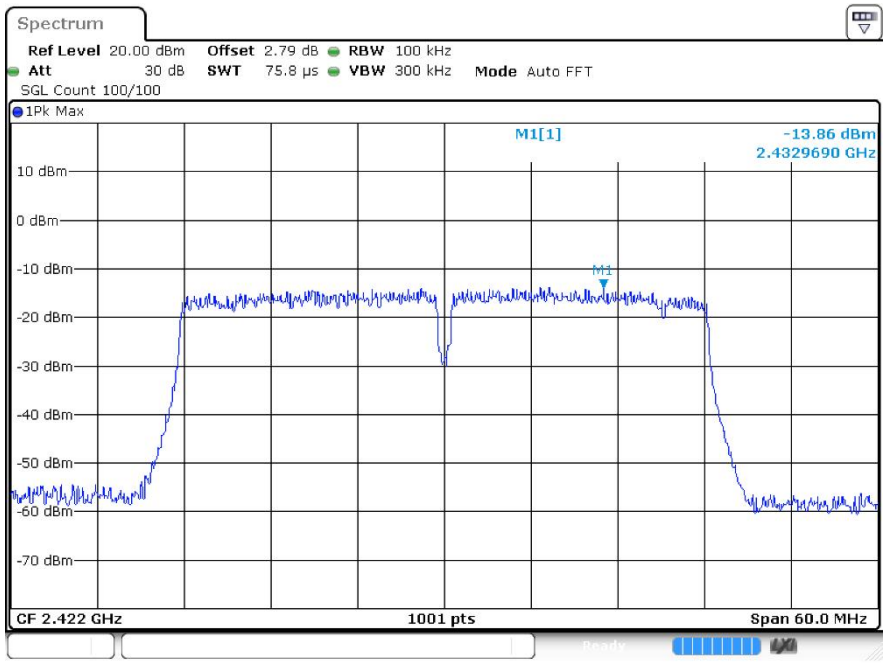
n20 2462MHz Ant2 Ref



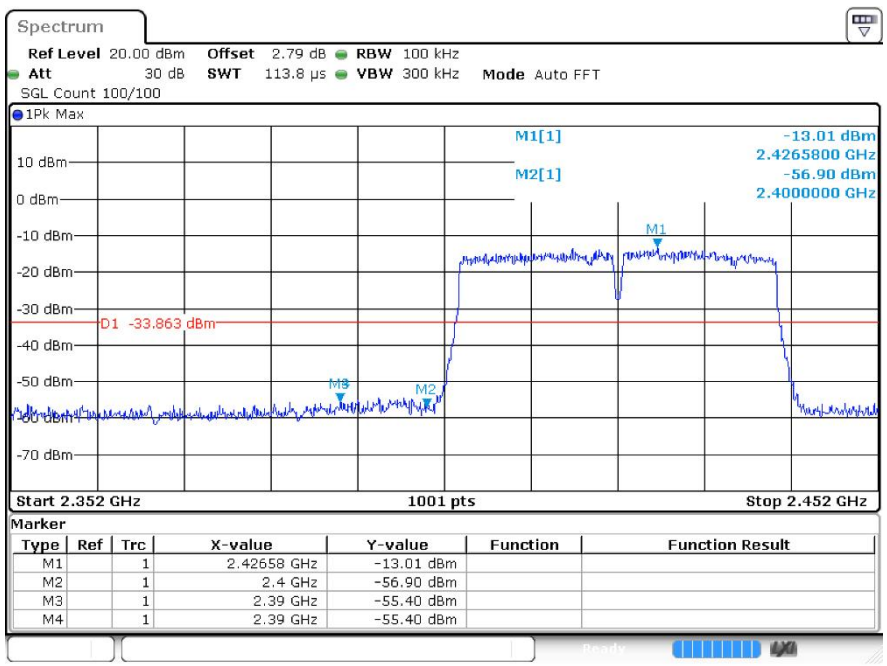
n20 2462MHz Ant2 Emission



n40 2422MHz Ant2 Ref



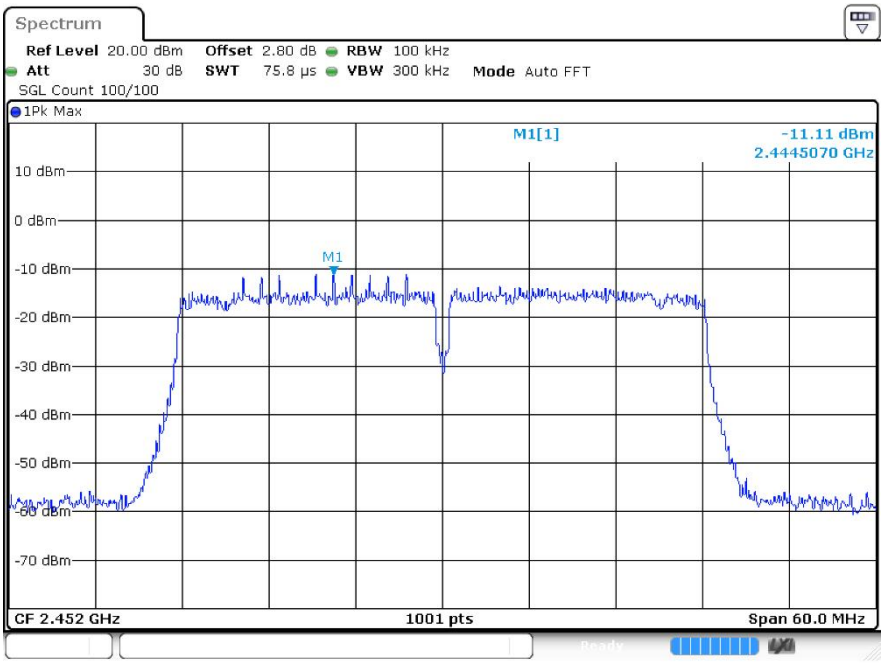
n40 2422MHz Ant2 Emission



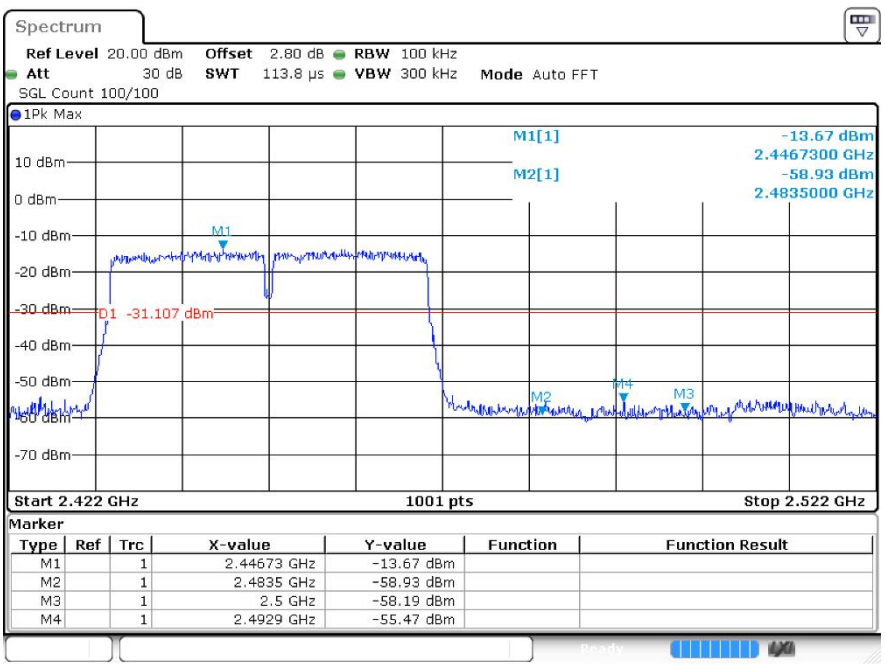
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42658 GHz	-13.01 dBm		
M2		1	2.4 GHz	-56.90 dBm		
M3		1	2.39 GHz	-55.40 dBm		
M4		1	2.39 GHz	-55.40 dBm		

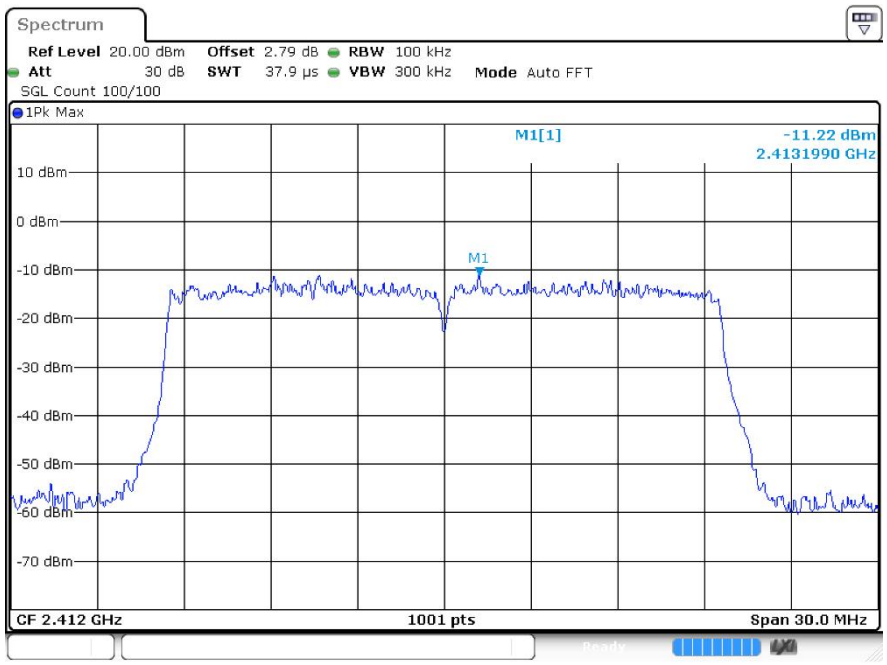
n40 2452MHz Ant2 Ref



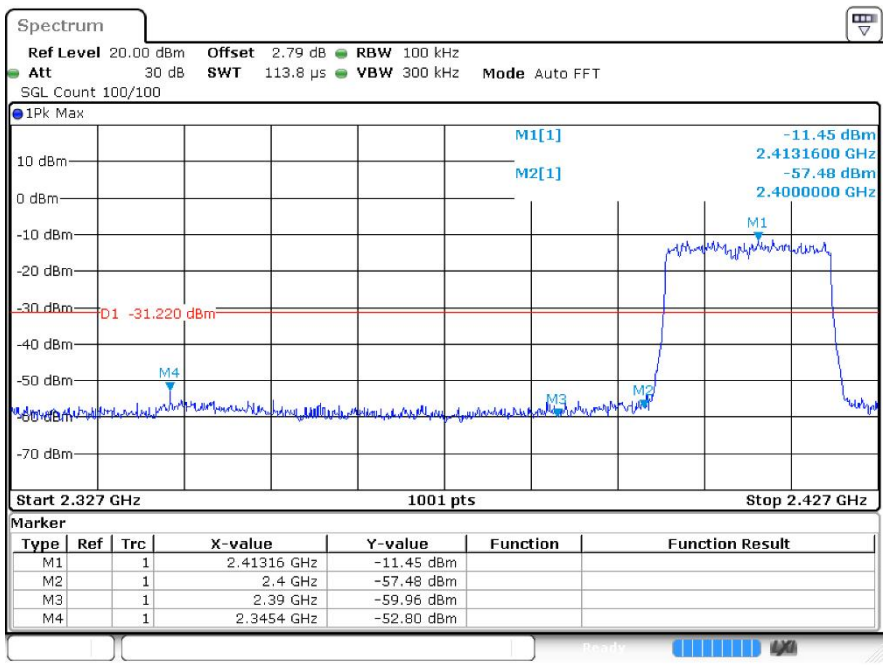
n40 2452MHz Ant2 Emission



ax20 2412MHz Ant2 Ref



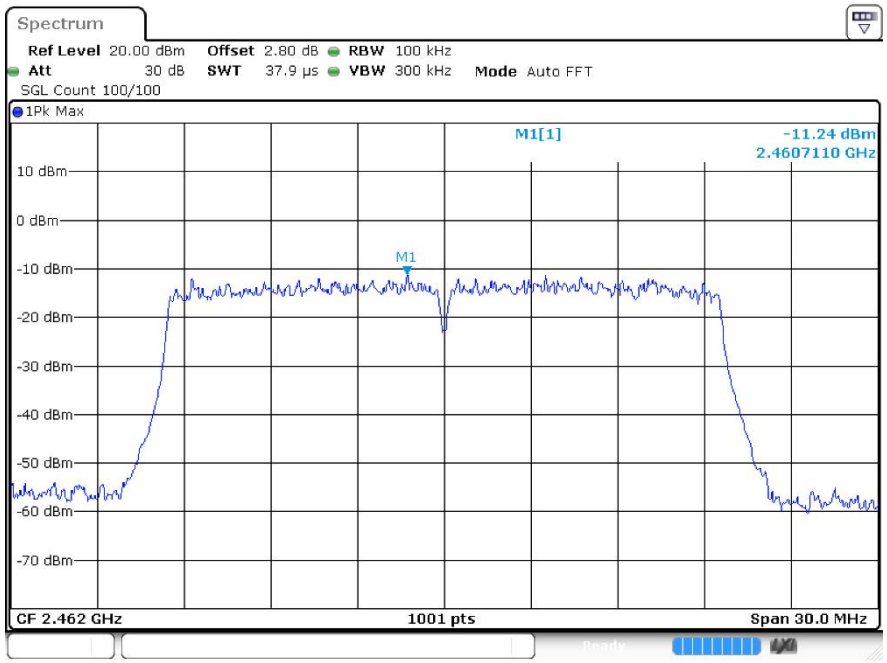
ax20 2412MHz Ant2 Emission



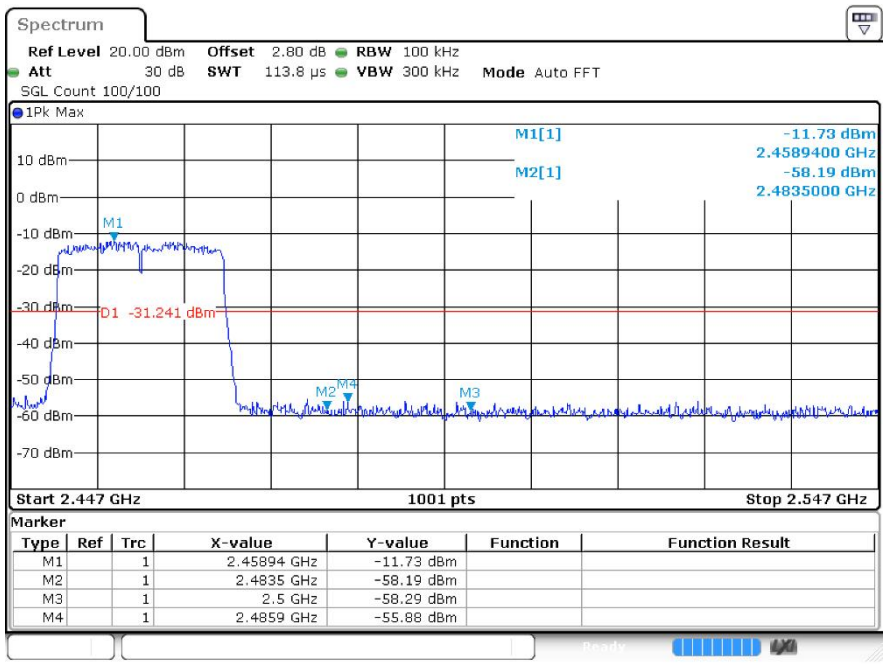
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.41316 GHz	-11.45 dBm		
M2		1	2.4 GHz	-57.48 dBm		
M3		1	2.39 GHz	-59.96 dBm		
M4		1	2.3454 GHz	-52.80 dBm		

ax20 2462MHz Ant2 Ref



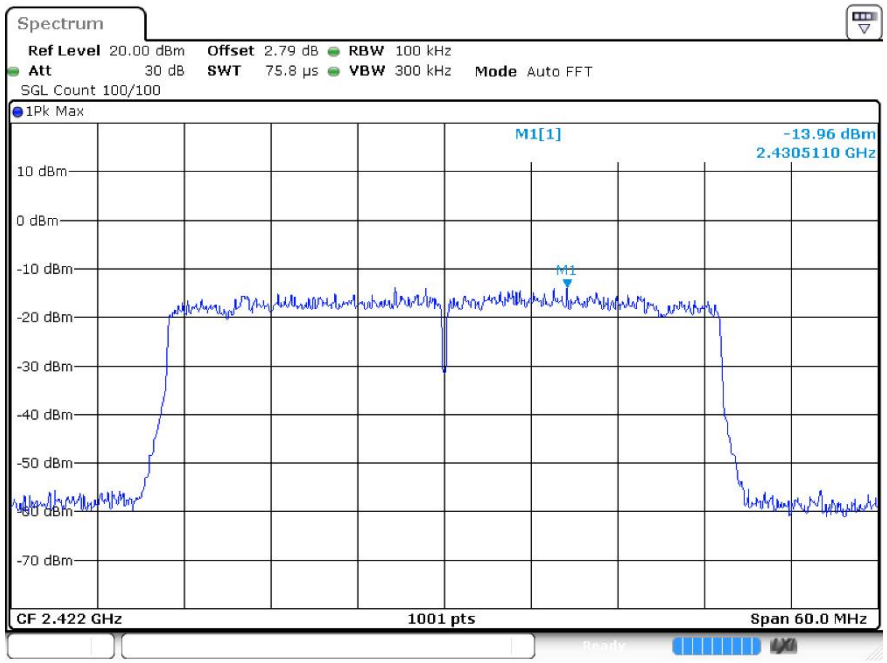
ax20 2462MHz Ant2 Emission



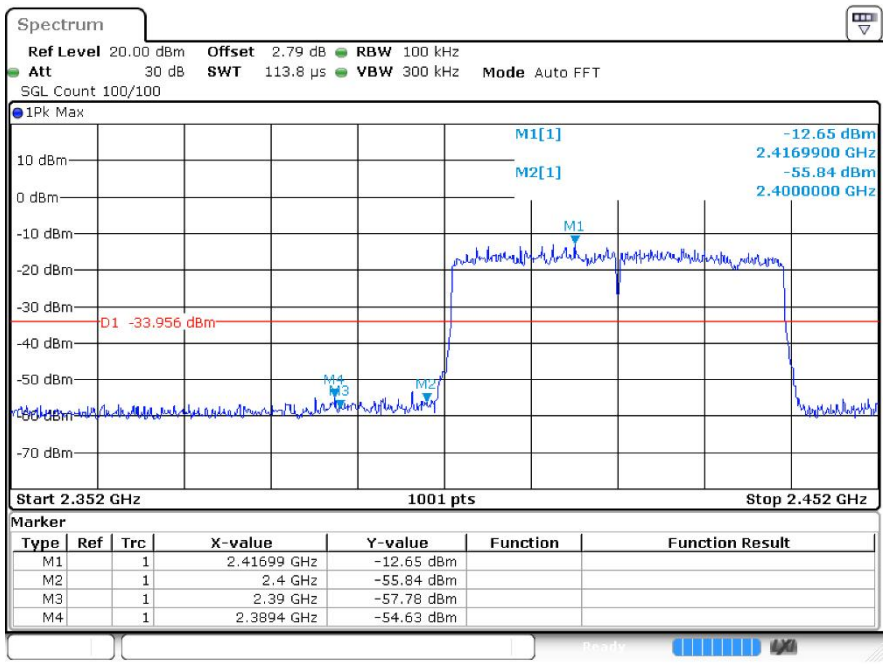
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45894 GHz	-11.73 dBm		
M2		1	2.4835 GHz	-58.19 dBm		
M3		1	2.5 GHz	-58.29 dBm		
M4		1	2.4859 GHz	-55.88 dBm		

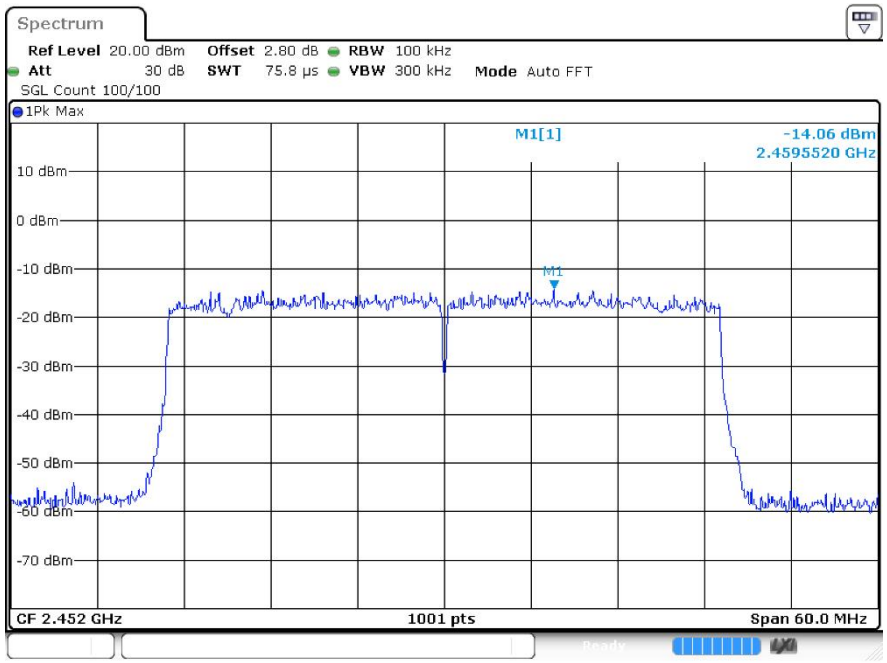
ax40 2422MHz Ant2 Ref



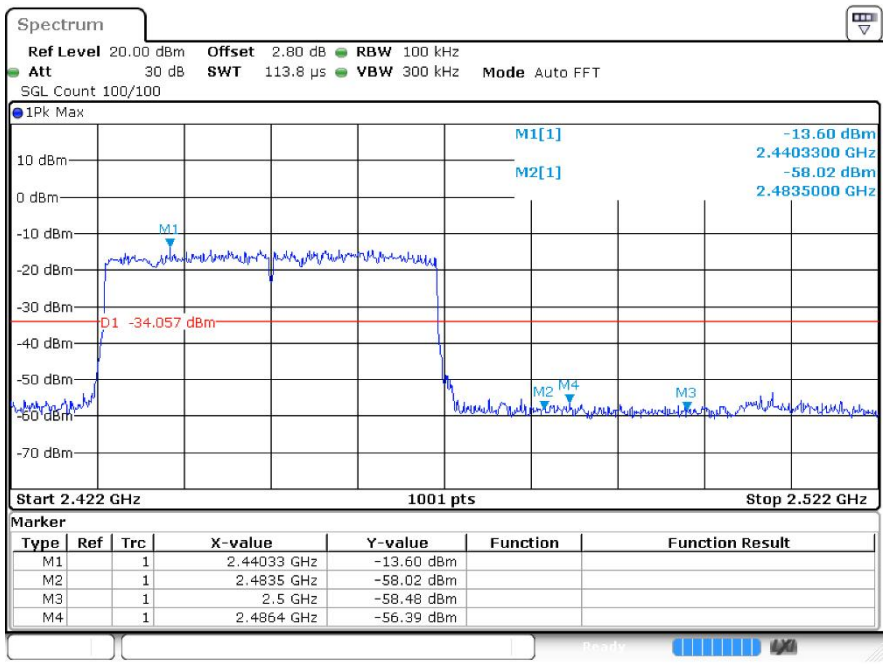
ax40 2422MHz Ant2 Emission



ax40 2452MHz Ant2 Ref



ax40 2452MHz Ant2 Emission



6 Conducted RF Spurious Emission

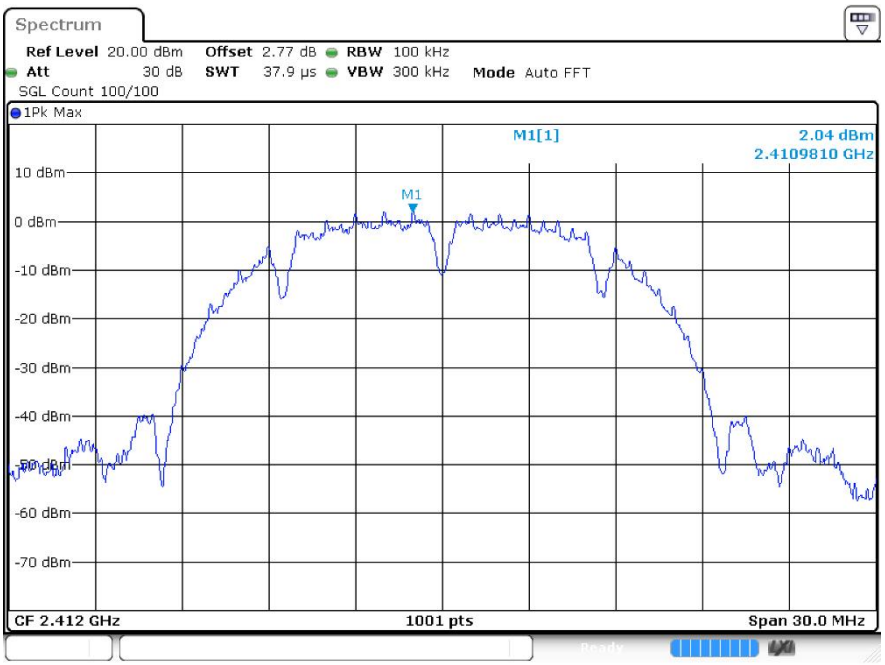
6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-44.8	-20	Pass
b	2437	Ant1	-45.48	-20	Pass
b	2462	Ant1	-45.37	-20	Pass
g	2412	Ant1	-38.29	-20	Pass
g	2437	Ant1	-42.05	-20	Pass
g	2462	Ant1	-39.26	-20	Pass
n20	2412	Ant1	-33.74	-20	Pass
n20	2437	Ant1	-33.73	-20	Pass
n20	2462	Ant1	-34.5	-20	Pass
n40	2422	Ant1	-30.8	-20	Pass
n40	2437	Ant1	-30.55	-20	Pass
n40	2452	Ant1	-29.94	-20	Pass
ax20	2412	Ant1	-32	-20	Pass
ax20	2437	Ant1	-32.84	-20	Pass
ax20	2462	Ant1	-32.45	-20	Pass
ax40	2422	Ant1	-32.98	-20	Pass
ax40	2437	Ant1	-31.1	-20	Pass
ax40	2452	Ant1	-29.83	-20	Pass
b	2412	Ant2	-45.15	-20	Pass
b	2437	Ant2	-42.52	-20	Pass
b	2462	Ant2	-44.05	-20	Pass
g	2412	Ant2	-38.67	-20	Pass
g	2437	Ant2	-36.8	-20	Pass
g	2462	Ant2	-40.3	-20	Pass
n20	2412	Ant2	-37.19	-20	Pass
n20	2437	Ant2	-32.21	-20	Pass
n20	2462	Ant2	-35.42	-20	Pass
n40	2422	Ant2	-31.51	-20	Pass
n40	2437	Ant2	-33.02	-20	Pass
n40	2452	Ant2	-30.08	-20	Pass
ax20	2412	Ant2	-31.95	-20	Pass
ax20	2437	Ant2	-31.59	-20	Pass
ax20	2462	Ant2	-31.64	-20	Pass
ax40	2422	Ant2	-30.09	-20	Pass
ax40	2437	Ant2	-28.64	-20	Pass
ax40	2452	Ant2	-30	-20	Pass

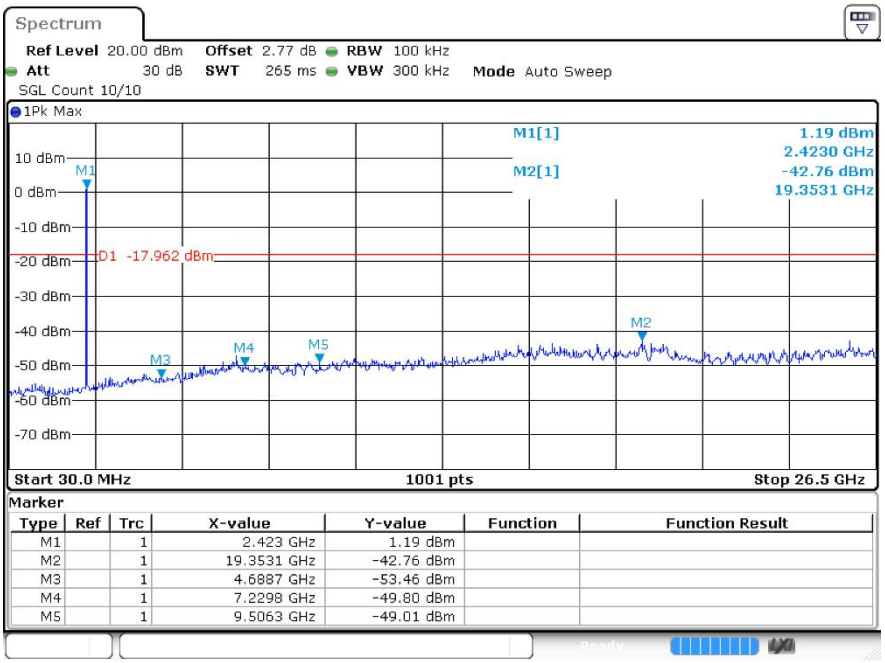
6.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref



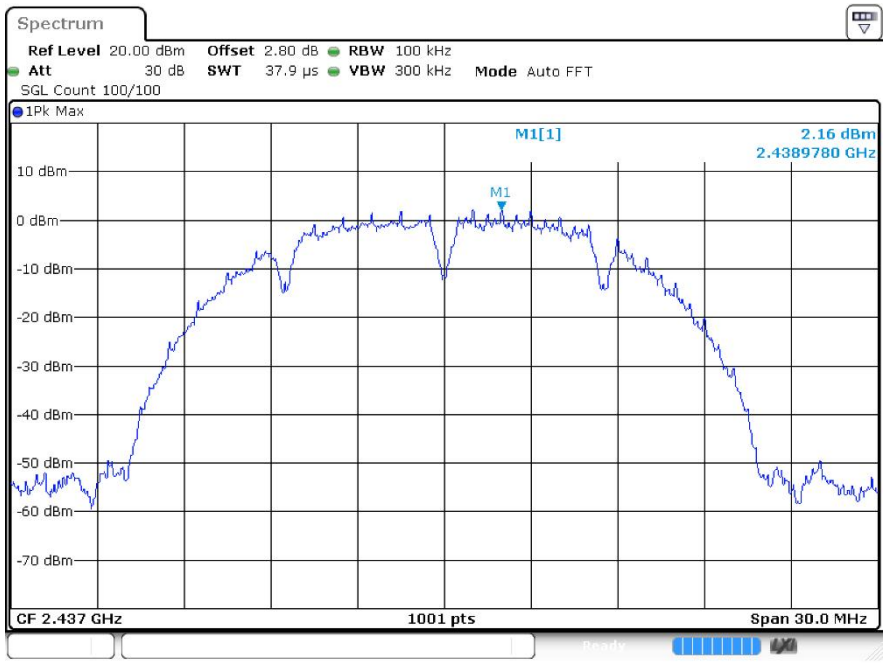
b 2412MHz Ant1 Emission



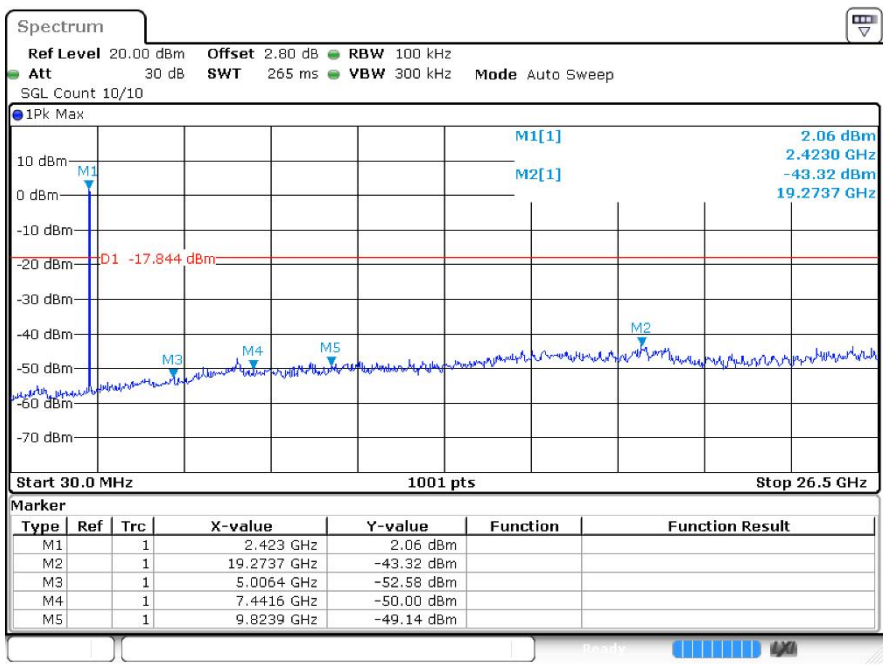
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	1.19 dBm		
M2		1	19.3531 GHz	-42.76 dBm		
M3		1	4.6887 GHz	-53.46 dBm		
M4		1	7.2298 GHz	-49.80 dBm		
M5		1	9.5063 GHz	-49.01 dBm		

b 2437MHz Ant1 Ref



b 2437MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	2.06 dBm		
M2		1	19.2737 GHz	-43.32 dBm		
M3		1	5.0064 GHz	-52.58 dBm		
M4		1	7.4416 GHz	-50.00 dBm		
M5		1	9.8239 GHz	-49.14 dBm		