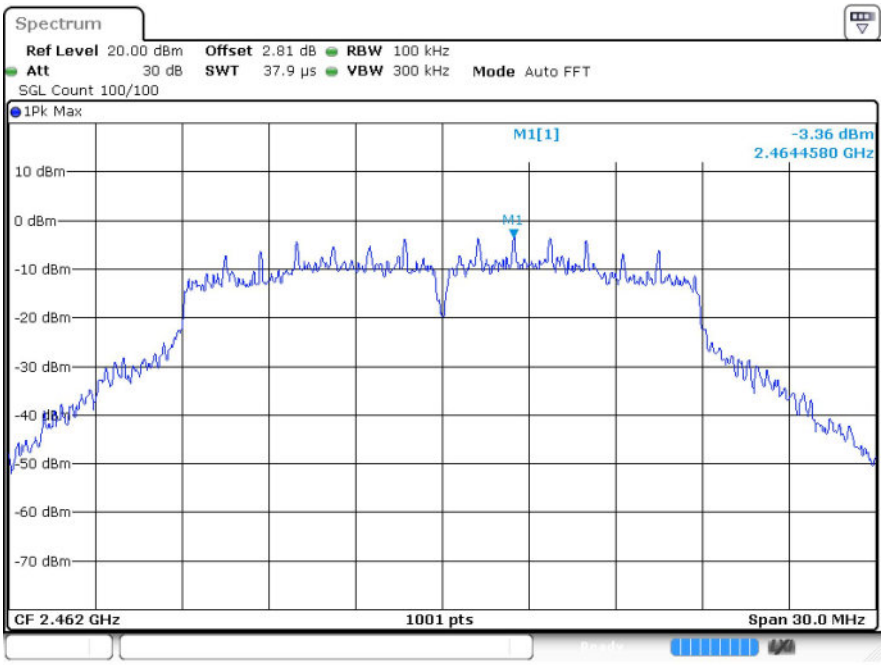
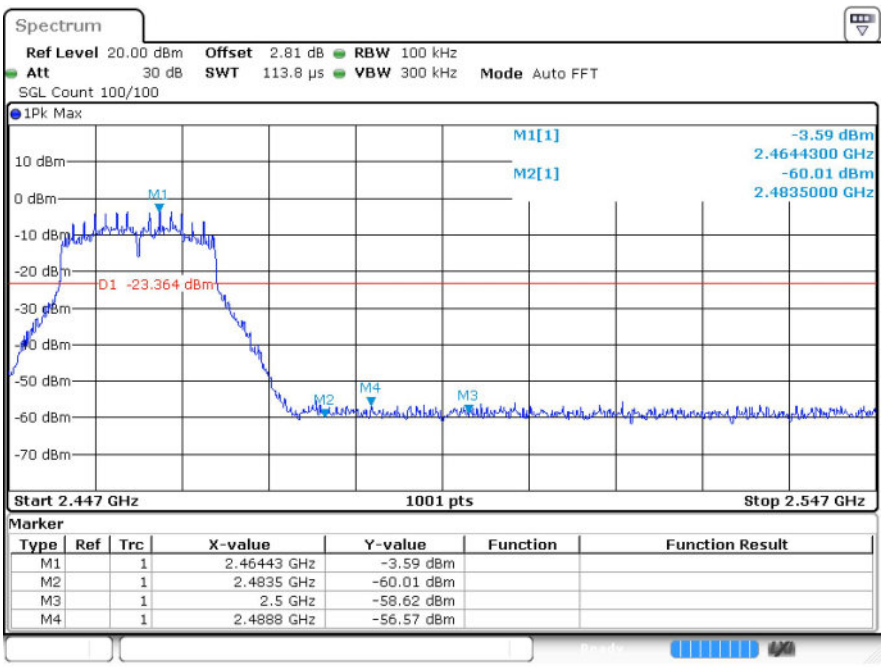
n20 2462MHz Ant1 Ref

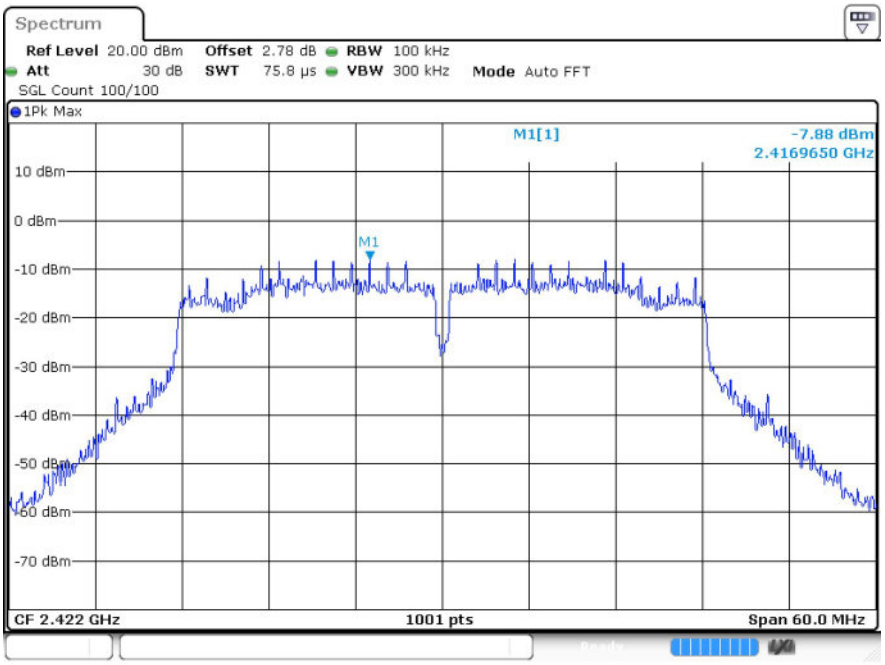


n20 2462MHz Ant1 Emission

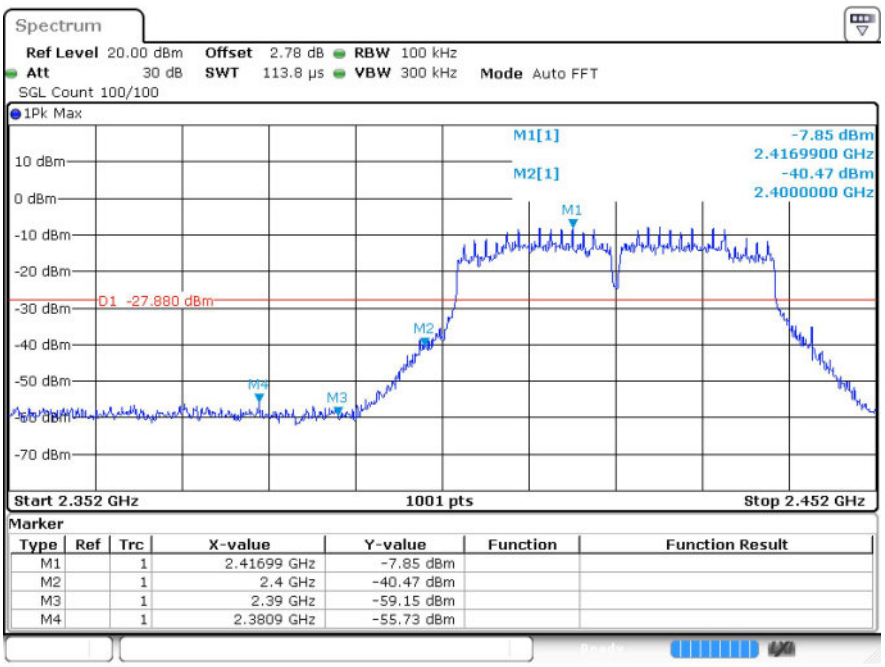


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-3.59 dBm		
M2		1	2.4835 GHz	-60.01 dBm		
M3		1	2.5 GHz	-58.62 dBm		
M4		1	2.4888 GHz	-56.57 dBm		

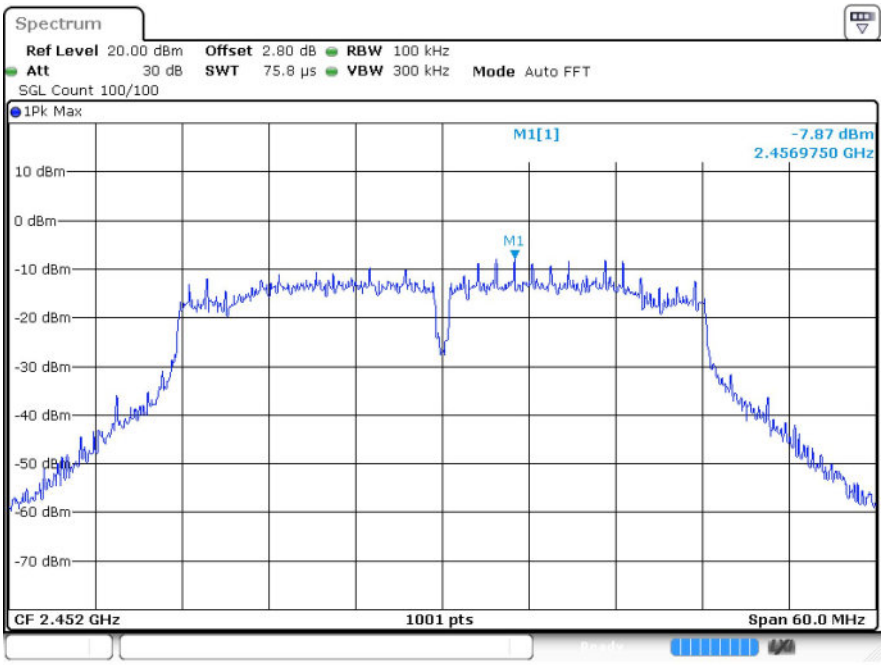
n40 2422MHz Ant1 Ref



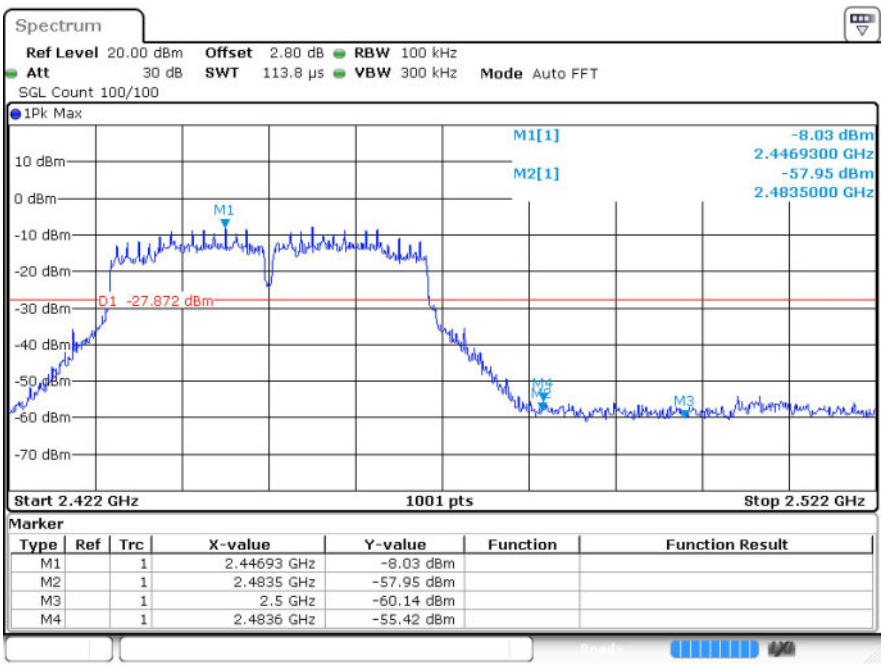
n40 2422MHz Ant1 Emission



n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44693 GHz	-8.03 dBm		
M2		1	2.4835 GHz	-57.95 dBm		
M3		1	2.5 GHz	-60.14 dBm		
M4		1	2.4836 GHz	-55.42 dBm		

6 Conducted RF Spurious Emission

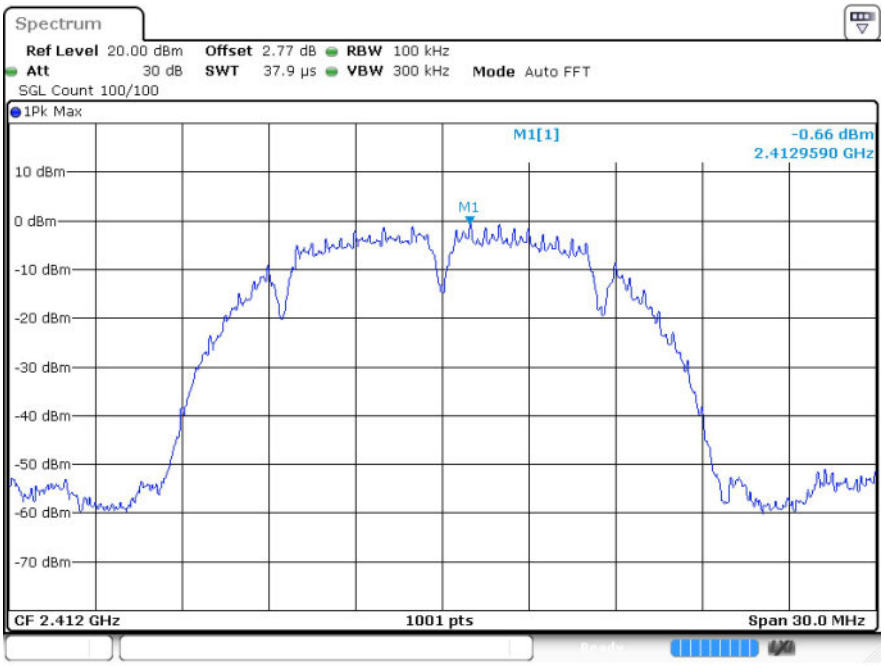
6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-42.29	-20	Pass
b	2437	Ant1	-41.99	-20	Pass
b	2462	Ant1	-42.26	-20	Pass
g	2412	Ant1	-40.14	-20	Pass
g	2437	Ant1	-37.49	-20	Pass
g	2462	Ant1	-40.53	-20	Pass
n20	2412	Ant1	-37.7	-20	Pass
n20	2437	Ant1	-37.62	-20	Pass
n20	2462	Ant1	-39.86	-20	Pass
n40	2422	Ant1	-34.72	-20	Pass
n40	2437	Ant1	-36.02	-20	Pass
n40	2452	Ant1	-32.42	-20	Pass

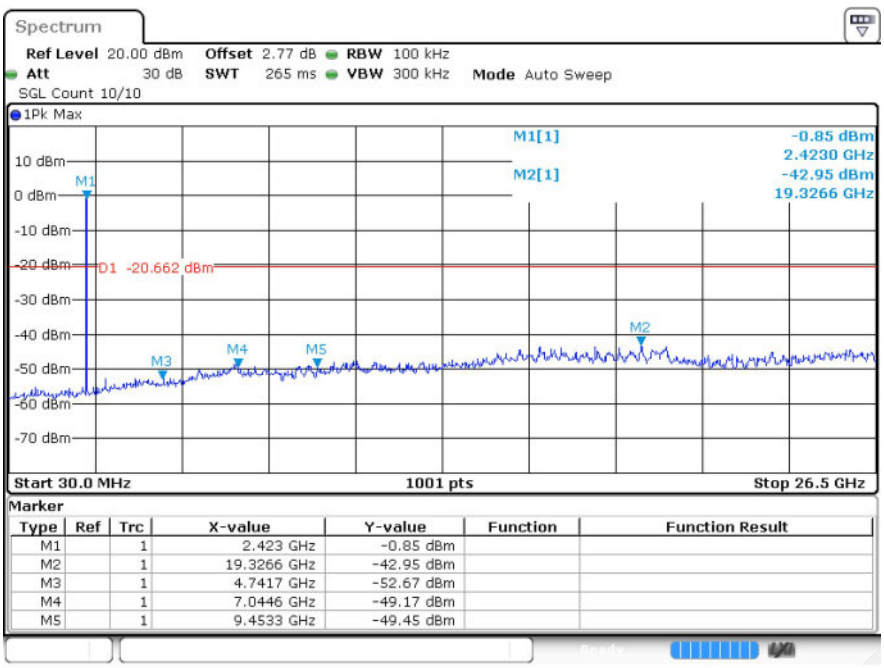
6.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref



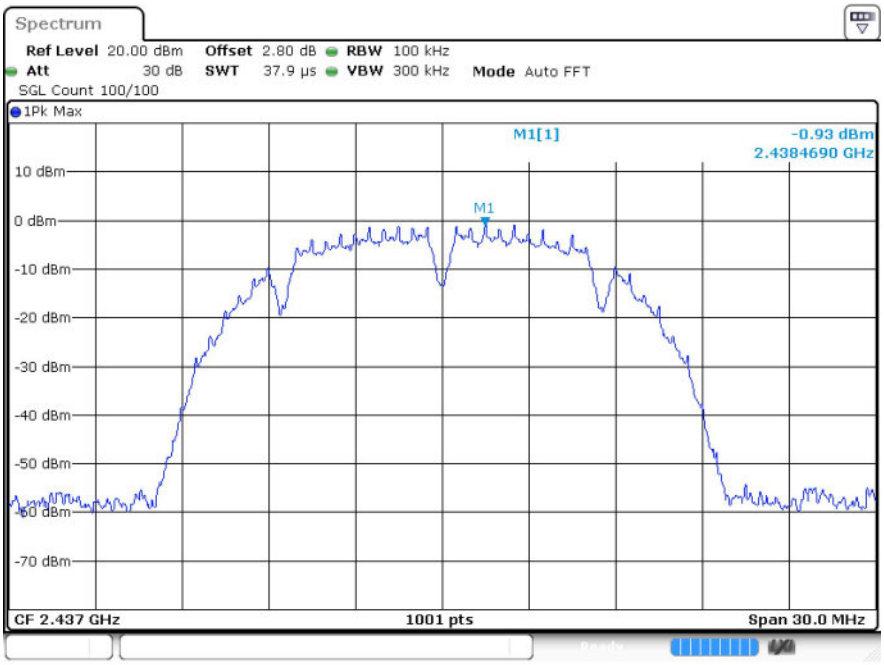
b 2412MHz Ant1 Emission



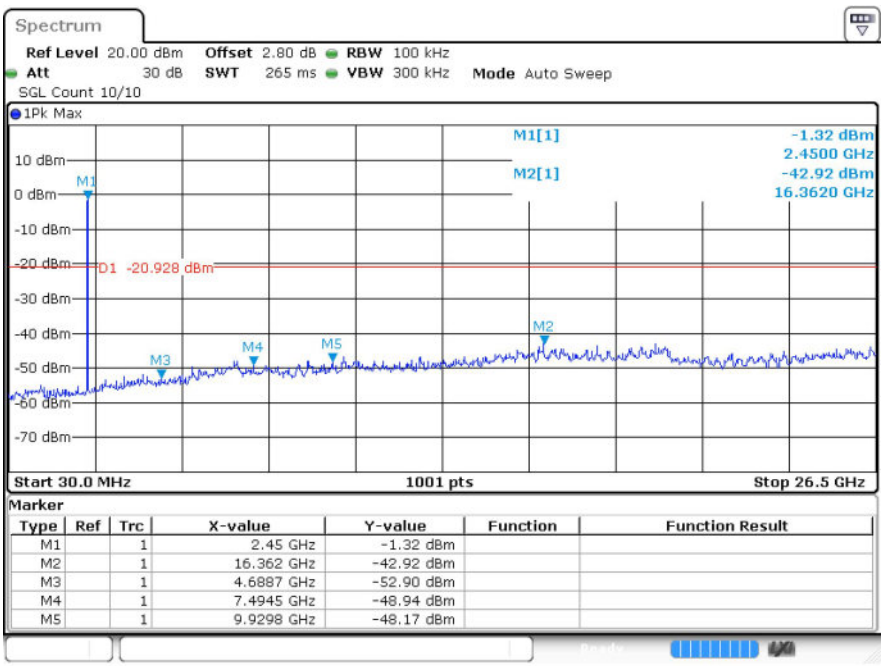
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-0.85 dBm		
M2		1	19.3266 GHz	-42.95 dBm		
M3		1	4.7417 GHz	-52.67 dBm		
M4		1	7.0446 GHz	-49.17 dBm		
M5		1	9.4533 GHz	-49.45 dBm		

b 2437MHz Ant1 Ref



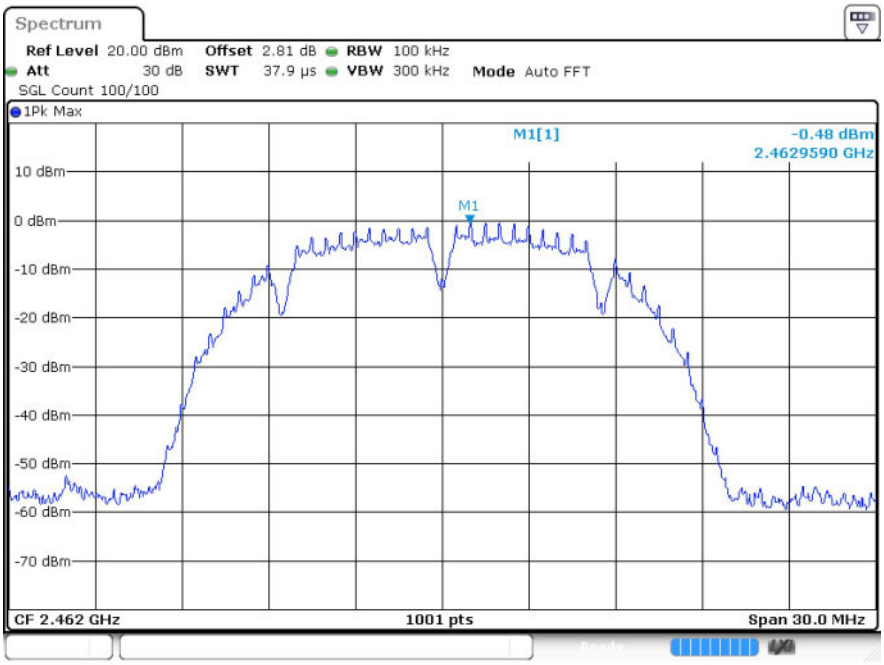
b 2437MHz Ant1 Emission



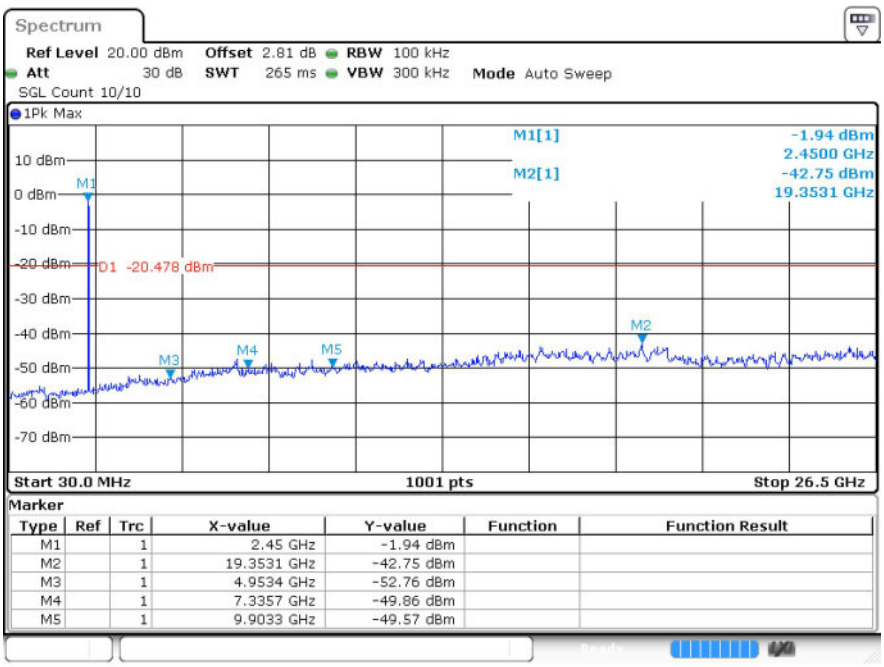
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-1.32 dBm		
M2		1	16.362 GHz	-42.92 dBm		
M3		1	4.6887 GHz	-52.90 dBm		
M4		1	7.4945 GHz	-48.94 dBm		
M5		1	9.9298 GHz	-48.17 dBm		

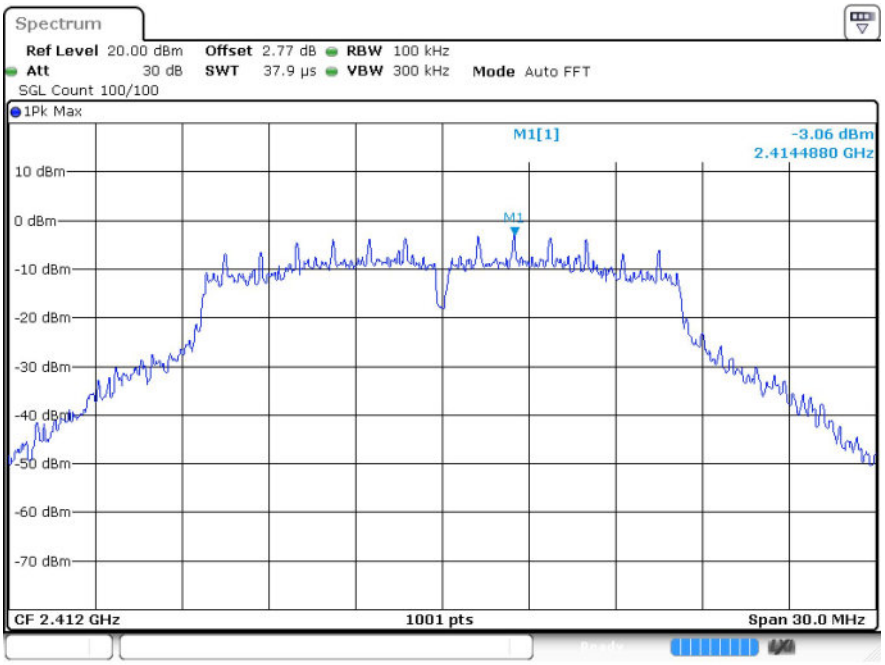
b 2462MHz Ant1 Ref



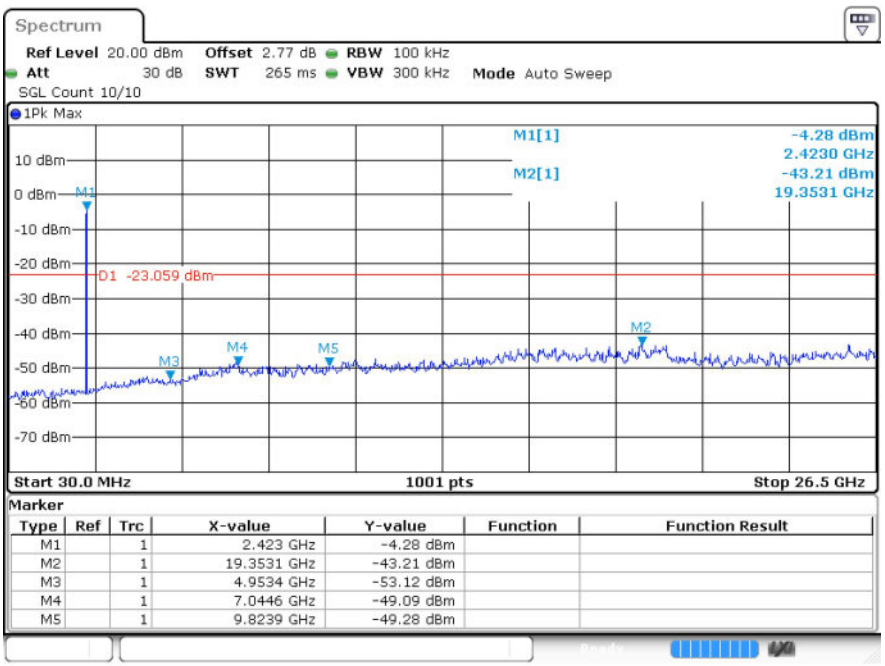
b 2462MHz Ant1 Emission



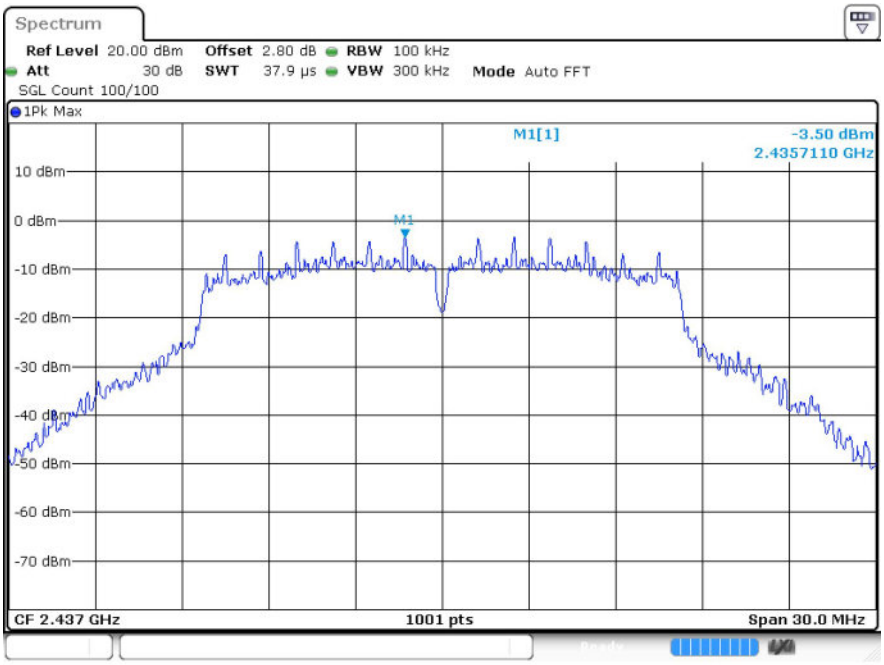
g 2412MHz Ant1 Ref



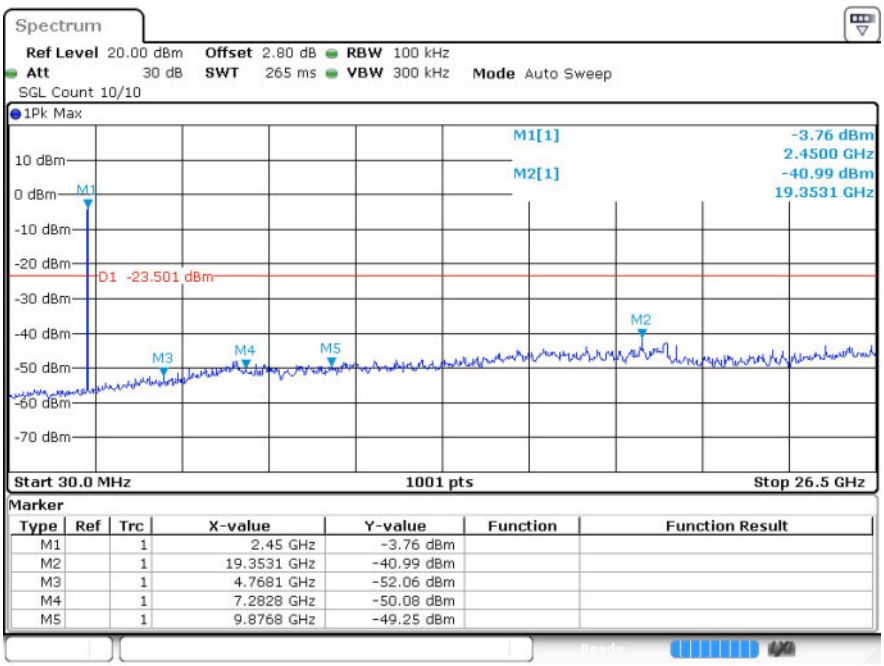
g 2412MHz Ant1 Emission



g 2437MHz Ant1 Ref



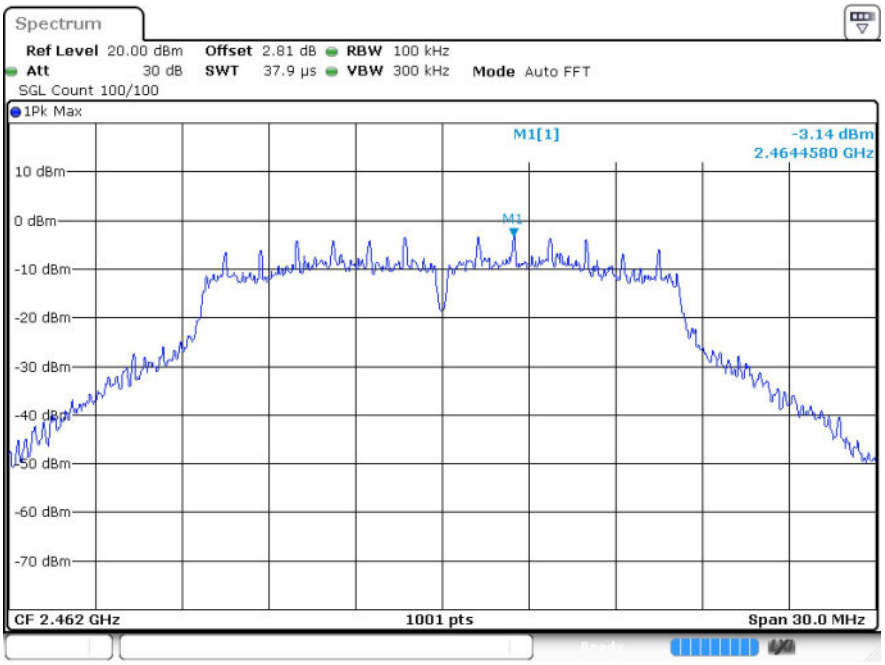
g 2437MHz Ant1 Emission



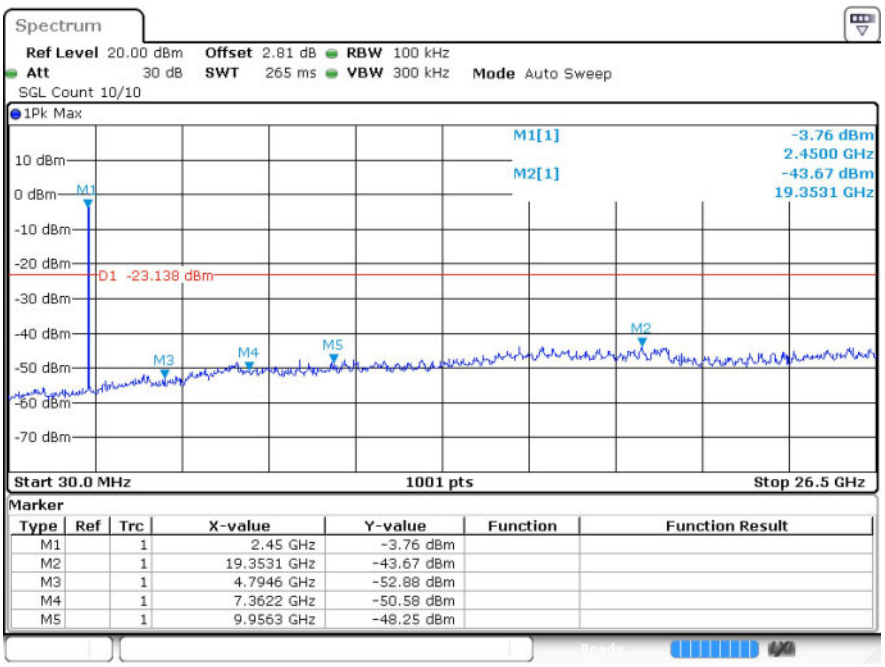
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.76 dBm		
M2		1	19.3531 GHz	-40.99 dBm		
M3		1	4.7681 GHz	-52.06 dBm		
M4		1	7.2828 GHz	-50.08 dBm		
M5		1	9.8768 GHz	-49.25 dBm		

g 2462MHz Ant1 Ref



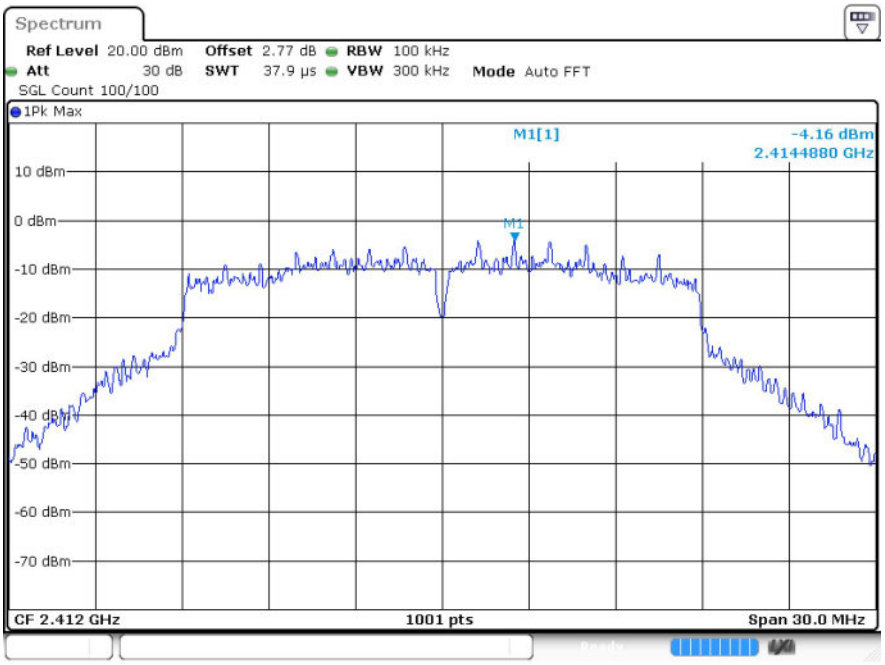
g 2462MHz Ant1 Emission



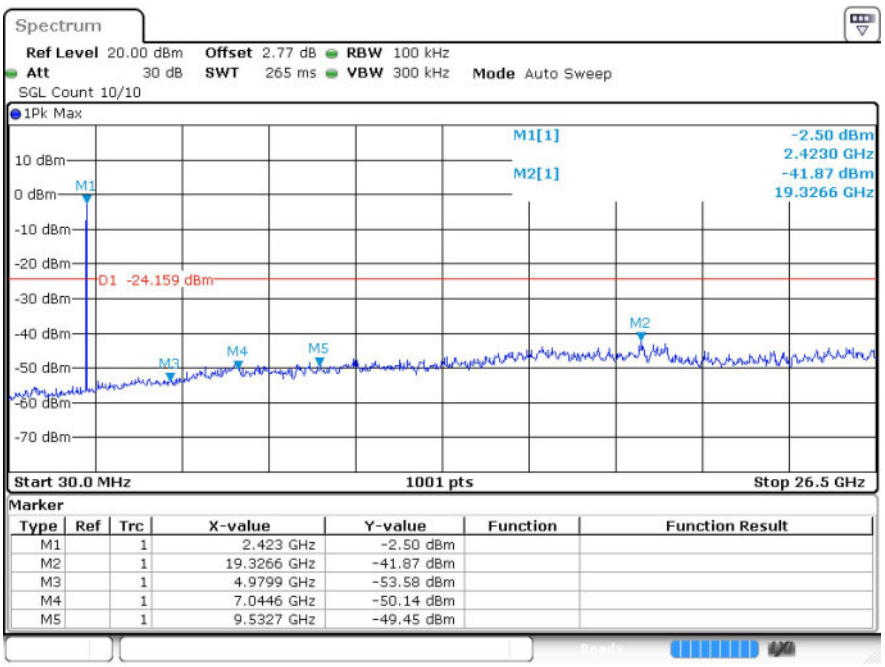
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.76 dBm		
M2		1	19.3531 GHz	-43.67 dBm		
M3		1	4.7946 GHz	-52.88 dBm		
M4		1	7.3622 GHz	-50.58 dBm		
M5		1	9.9563 GHz	-48.25 dBm		

n20 2412MHz Ant1 Ref



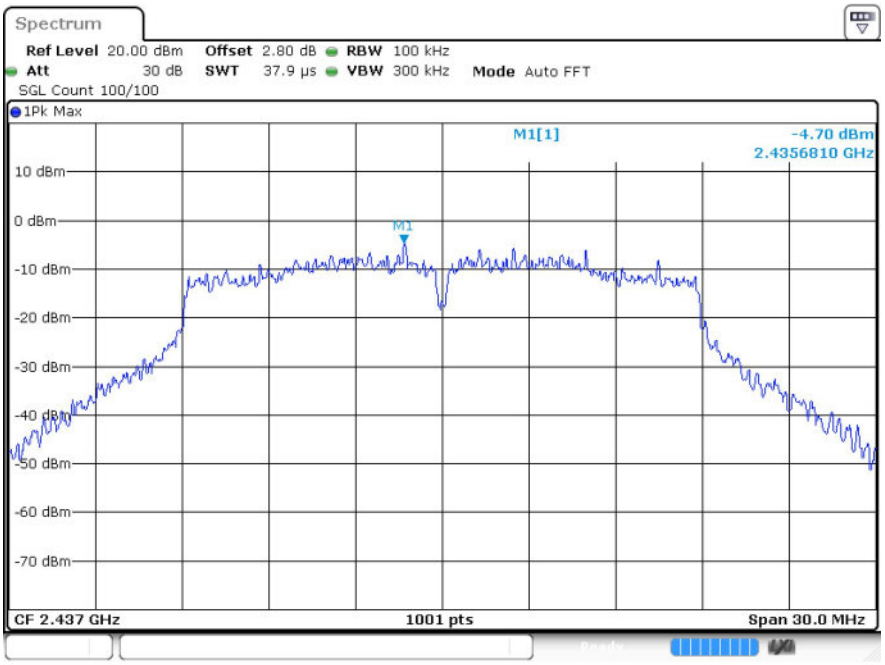
n20 2412MHz Ant1 Emission



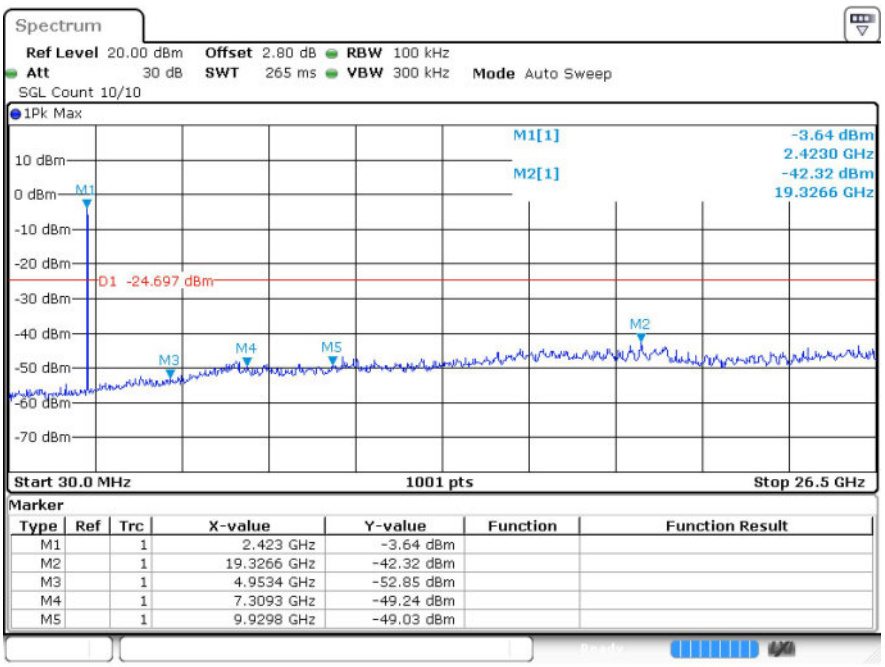
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-2.50 dBm		
M2		1	19.3266 GHz	-41.87 dBm		
M3		1	4.9799 GHz	-53.58 dBm		
M4		1	7.0446 GHz	-50.14 dBm		
M5		1	9.5327 GHz	-49.45 dBm		

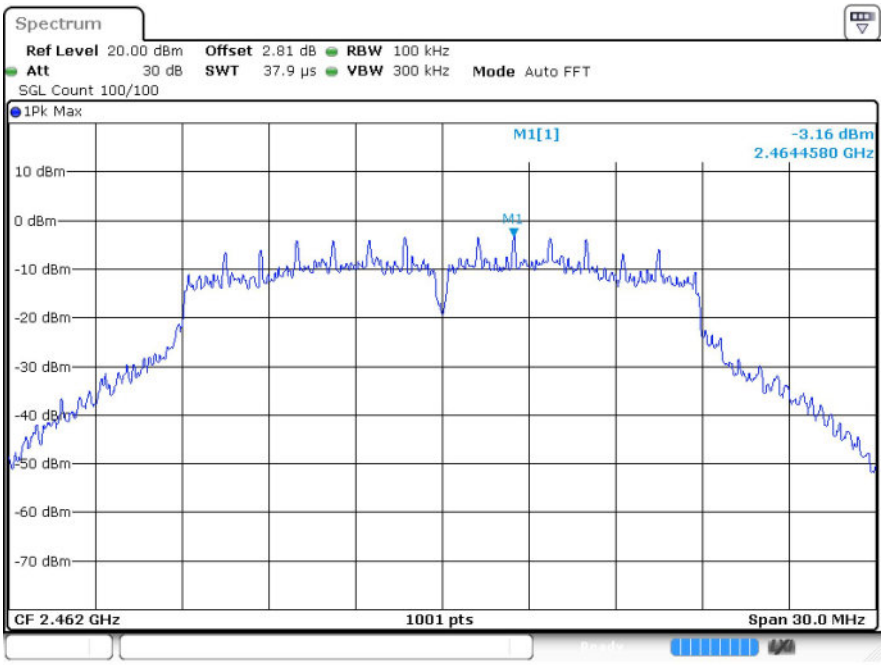
n20 2437MHz Ant1 Ref



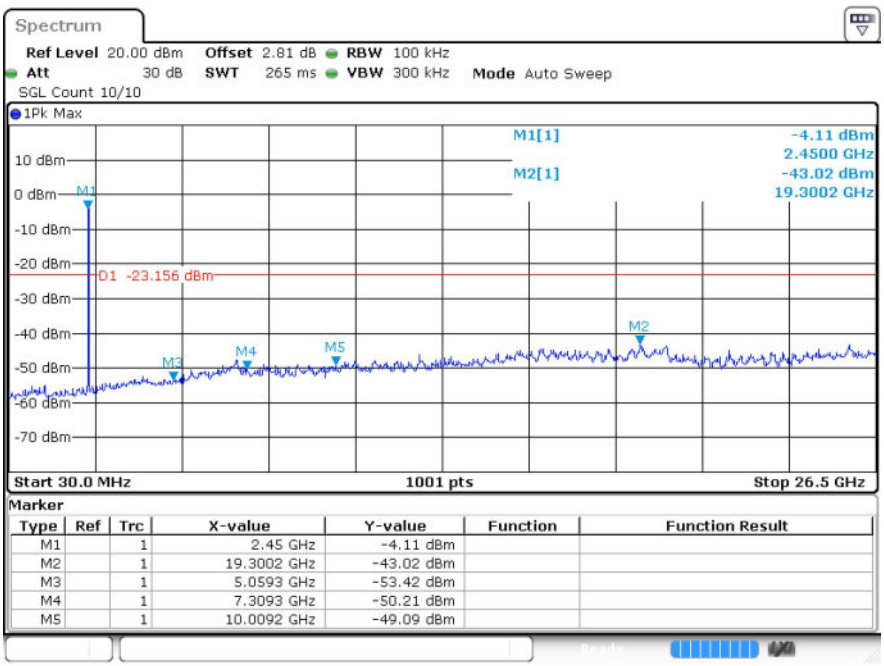
n20 2437MHz Ant1 Emission



n20 2462MHz Ant1 Ref



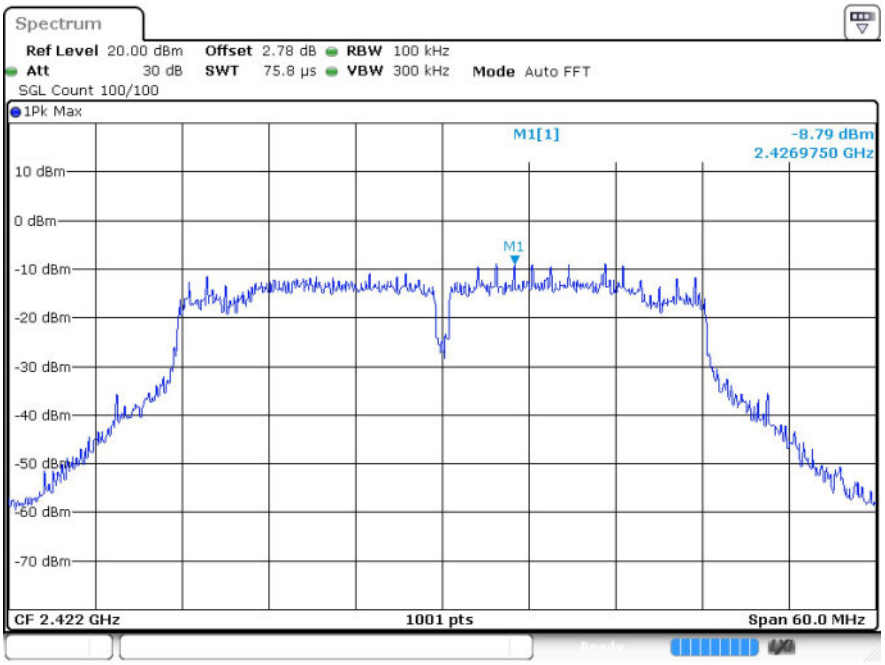
n20 2462MHz Ant1 Emission



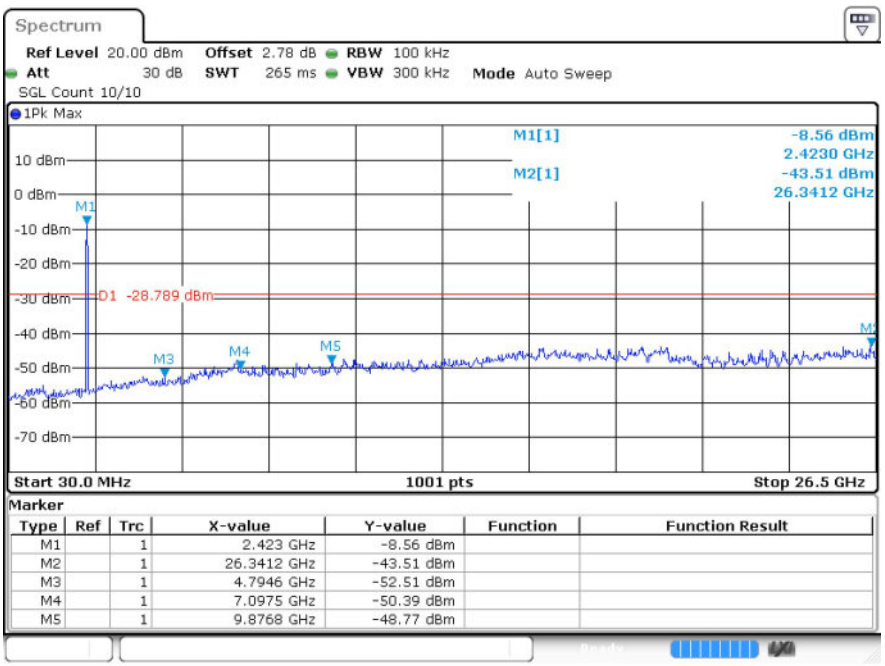
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-4.11 dBm		
M2		1	19.3002 GHz	-43.02 dBm		
M3		1	5.0593 GHz	-53.42 dBm		
M4		1	7.3093 GHz	-50.21 dBm		
M5		1	10.0092 GHz	-49.09 dBm		

n40 2422MHz Ant1 Ref



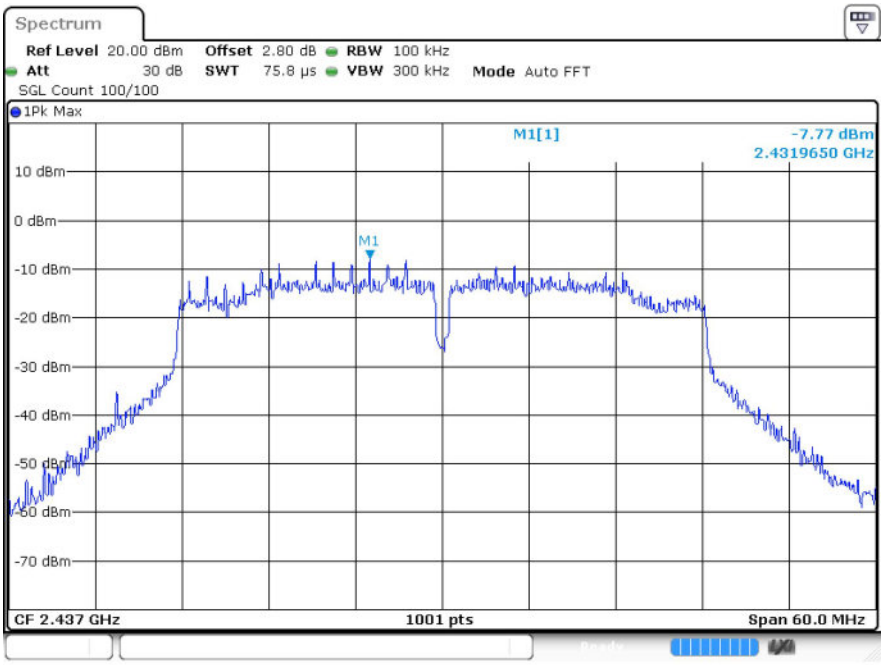
n40 2422MHz Ant1 Emission



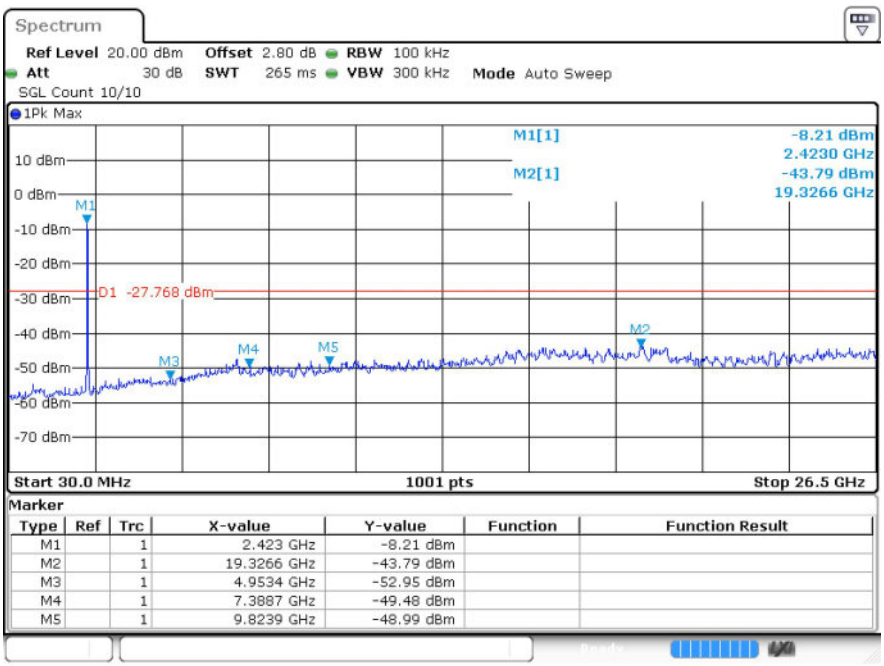
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-8.56 dBm		
M2		1	26.3412 GHz	-43.51 dBm		
M3		1	4.7946 GHz	-52.51 dBm		
M4		1	7.0975 GHz	-50.39 dBm		
M5		1	9.8768 GHz	-48.77 dBm		

n40 2437MHz Ant1 Ref



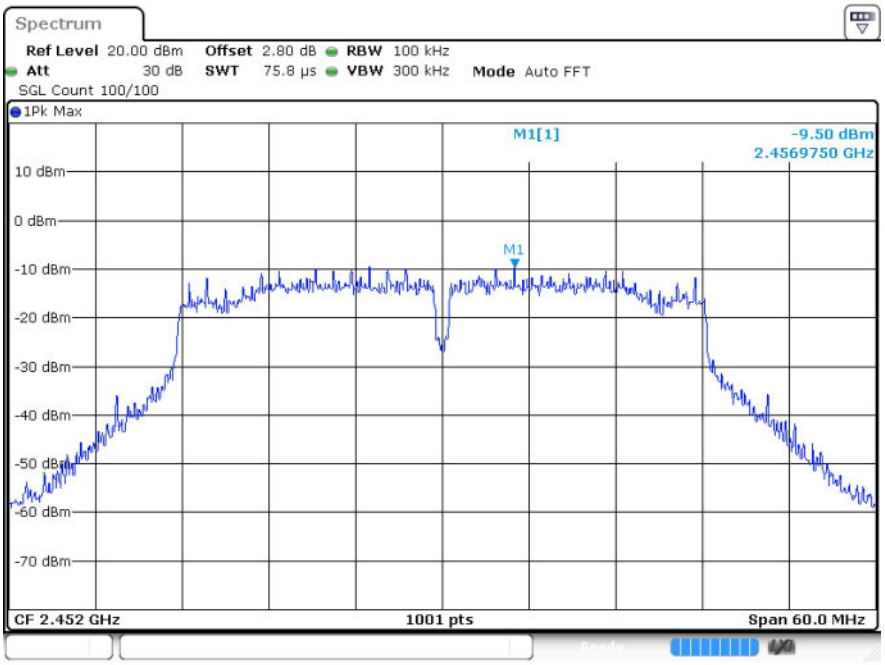
n40 2437MHz Ant1 Emission



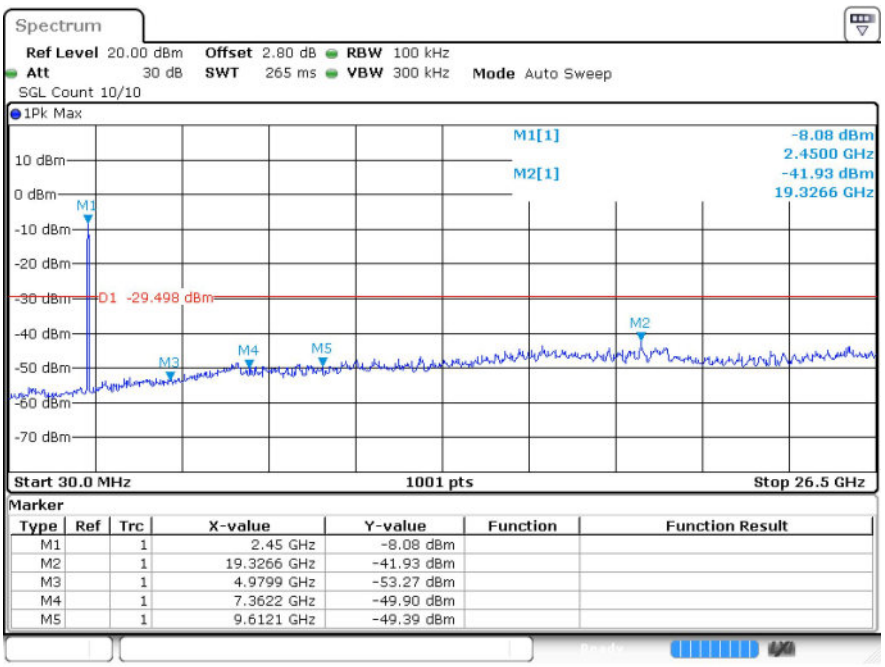
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-8.21 dBm		
M2		1	19.3266 GHz	-43.79 dBm		
M3		1	4.9534 GHz	-52.95 dBm		
M4		1	7.3887 GHz	-49.48 dBm		
M5		1	9.8239 GHz	-48.99 dBm		

n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



7 Restrict Band

7.1 Test Result

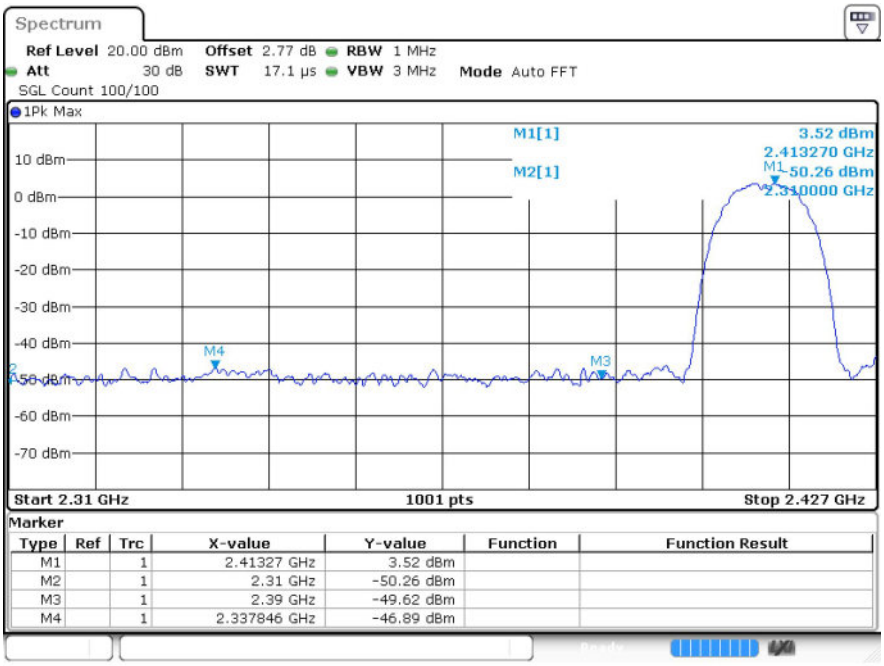
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-50.26	2	-	47	Peak	74	Pass
b	2412	Ant1	2310	-57.02	2	0	40.24	Average	54	Pass
b	2412	Ant1	2337.846	-46.89	2	-	50.37	Peak	74	Pass
b	2412	Ant1	2336.676	-53.88	2	0	43.38	Average	54	Pass
b	2412	Ant1	2390	-49.62	2	-	47.64	Peak	74	Pass
b	2412	Ant1	2390	-56.86	2	0	40.4	Average	54	Pass
b	2462	Ant1	2483.5	-48.91	2	-	48.35	Peak	74	Pass
b	2462	Ant1	2483.5	-55.73	2	0	41.53	Average	54	Pass
b	2462	Ant1	2498.198	-46.27	2	-	50.99	Peak	74	Pass
b	2462	Ant1	2488.552	-55.34	2	0	41.92	Average	54	Pass
b	2462	Ant1	2500	-49.84	2	-	47.42	Peak	74	Pass
b	2462	Ant1	2500	-56.87	2	0	40.39	Average	54	Pass
g	2412	Ant1	2310	-48.43	2	-	48.83	Peak	74	Pass
g	2412	Ant1	2310	-56.77	2	0.62	41.11	Average	54	Pass
g	2412	Ant1	2340.771	-46.23	2	-	51.03	Peak	74	Pass
g	2412	Ant1	2337.612	-54.11	2	0.62	43.77	Average	54	Pass
g	2412	Ant1	2390	-50.07	2	-	47.64	Peak	74	Pass
g	2412	Ant1	2390	-56.3	2	0.62	41.58	Average	54	Pass
g	2462	Ant1	2483.5	-50.52	2	-	46.74	Peak	74	Pass
g	2462	Ant1	2483.5	-56.74	2	0.61	41.13	Average	54	Pass
g	2462	Ant1	2498.198	-45.53	2	-	51.73	Peak	74	Pass
g	2462	Ant1	2491.255	-55.2	2	0.61	42.67	Average	54	Pass
g	2462	Ant1	2500	-48.35	2	-	47.42	Peak	74	Pass
g	2462	Ant1	2500	-56.29	2	0.61	41.58	Average	54	Pass
n20	2412	Ant1	2310	-49.99	2	-	47.27	Peak	74	Pass
n20	2412	Ant1	2310	-56.84	2	0.58	41	Average	54	Pass
n20	2412	Ant1	2341.005	-46.6	2	-	50.66	Peak	74	Pass
n20	2412	Ant1	2340.186	-54.49	2	0.58	43.35	Average	54	Pass
n20	2412	Ant1	2390	-48.25	2	-	49.01	Peak	74	Pass
n20	2412	Ant1	2390	-56.91	2	0.58	40.93	Average	54	Pass
n20	2462	Ant1	2483.5	-48.45	2	-	48.81	Peak	74	Pass
n20	2462	Ant1	2483.5	-56.11	2	0.58	41.73	Average	54	Pass
n20	2462	Ant1	2498.887	-46.06	2	-	51.2	Peak	74	Pass
n20	2462	Ant1	2487.227	-55.46	2	0.58	42.38	Average	54	Pass

n20	2462	Ant1	2500	-51.16	2	-	46.1	Peak	74	Pass
n20	2462	Ant1	2500	-55.93	2	0.58	41.91	Average	54	Pass
n40	2422	Ant1	2310	-49.1	2	-	48.16	Peak	74	Pass
n40	2422	Ant1	2310	-55.77	2	0.55	42.04	Average	54	Pass
n40	2422	Ant1	2338.968	-45.38	2	-	51.88	Peak	74	Pass
n40	2422	Ant1	2339.11	-53.43	2	0.55	44.38	Average	54	Pass
n40	2422	Ant1	2390	-49.32	2	-	47.94	Peak	74	Pass
n40	2422	Ant1	2390	-56.53	2	0.55	41.28	Average	54	Pass
n40	2452	Ant1	2483.5	-46.98	2	-	50.28	Peak	74	Pass
n40	2452	Ant1	2483.5	-55.4	2	0.55	42.41	Average	54	Pass
n40	2452	Ant1	2483.698	-46.89	2	-	50.37	Peak	74	Pass
n40	2452	Ant1	2483.542	-55.4	2	0.55	42.41	Average	54	Pass
n40	2452	Ant1	2500	-49.71	2	-	47.55	Peak	74	Pass
n40	2452	Ant1	2500	-55.78	2	0.55	42.03	Average	54	Pass

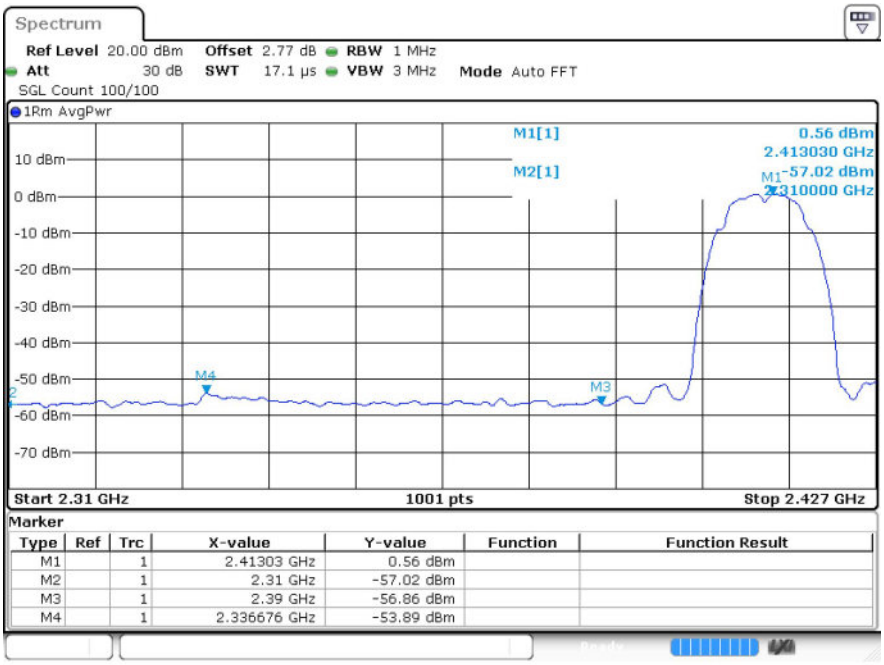
7.2 Test Graphs

Test Graphs

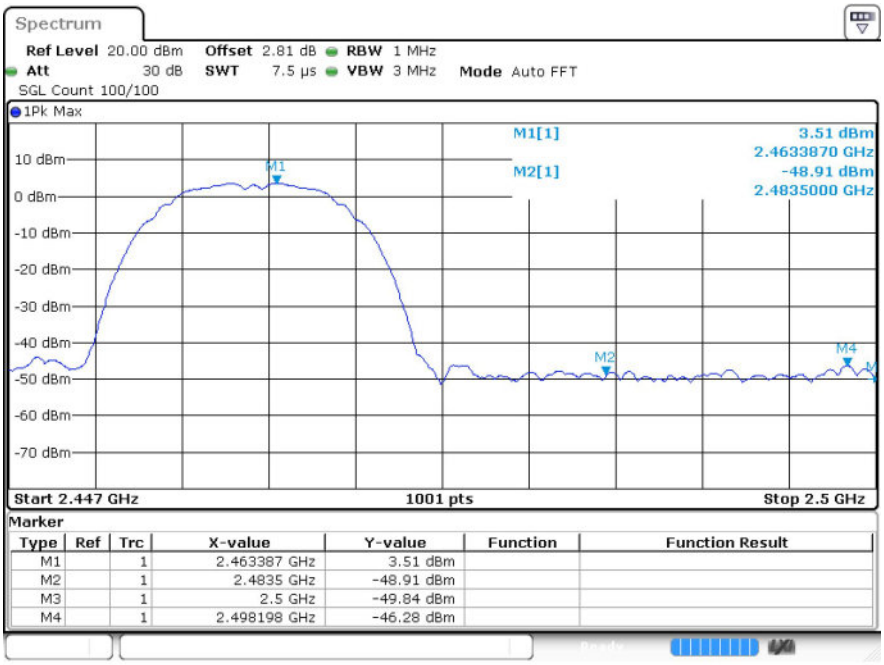
b 2412MHz Ant1 Peak



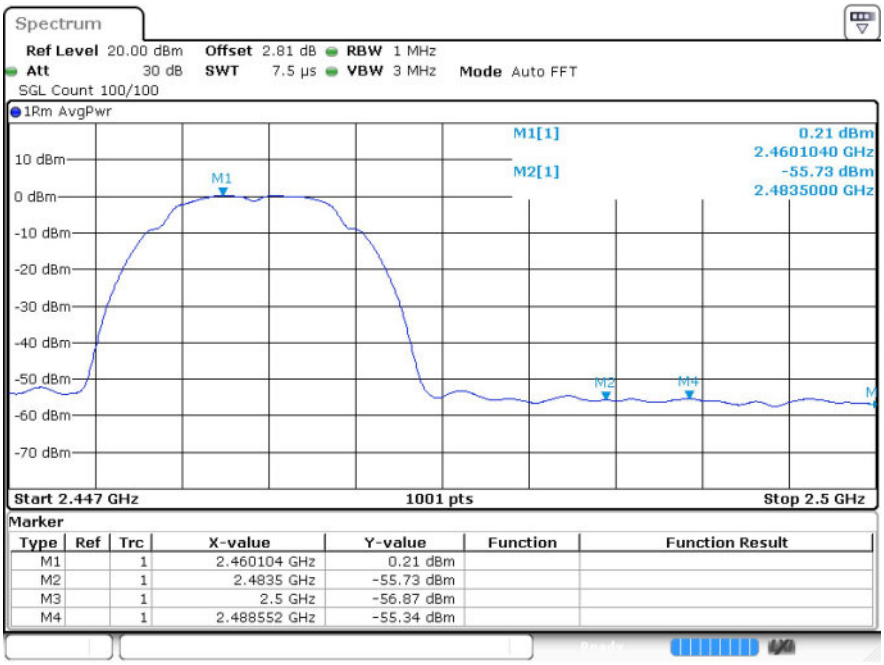
b 2412MHz Ant1 Average



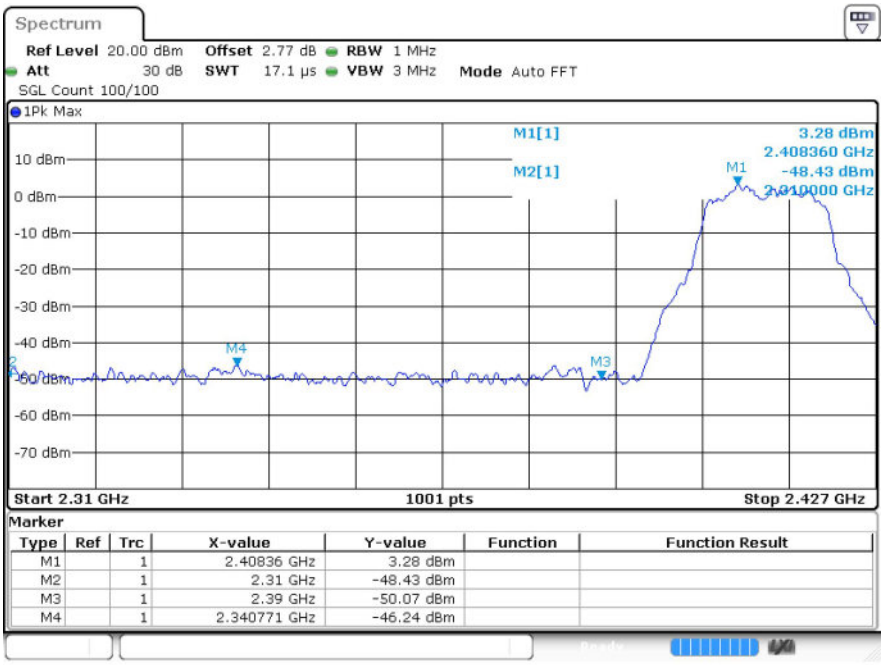
b 2462MHz Ant1 Peak



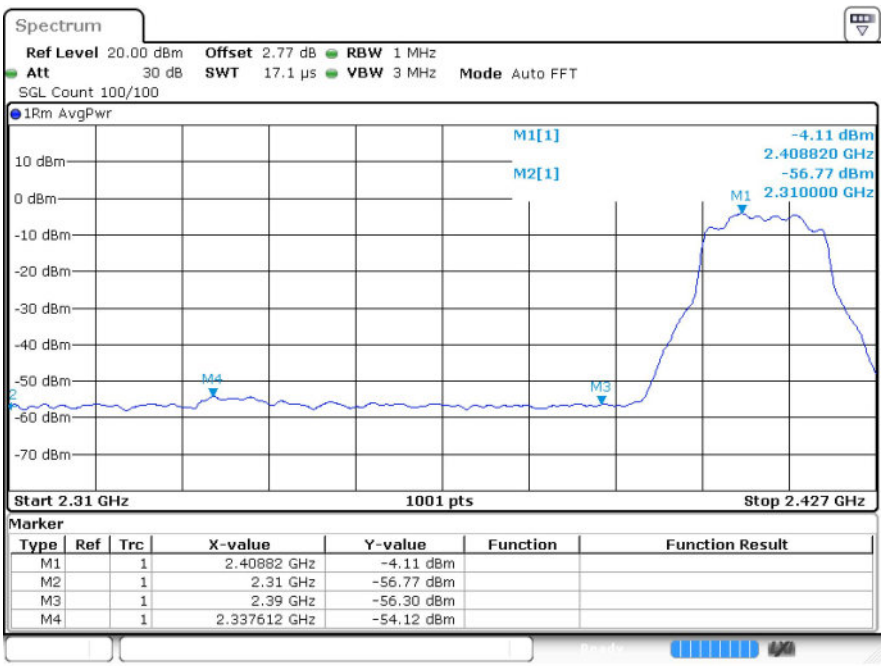
b 2462MHz Ant1 Average



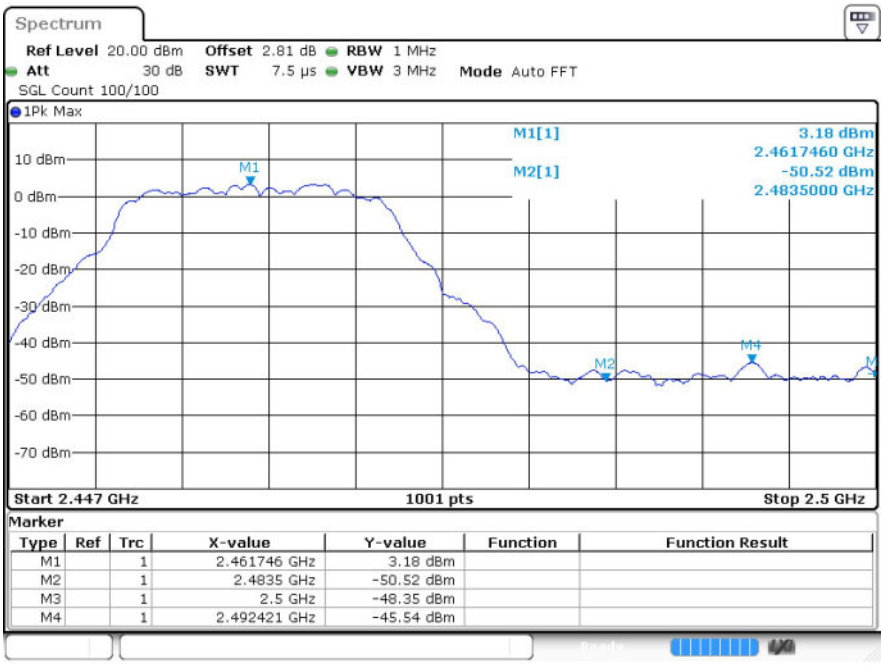
g 2412MHz Ant1 Peak



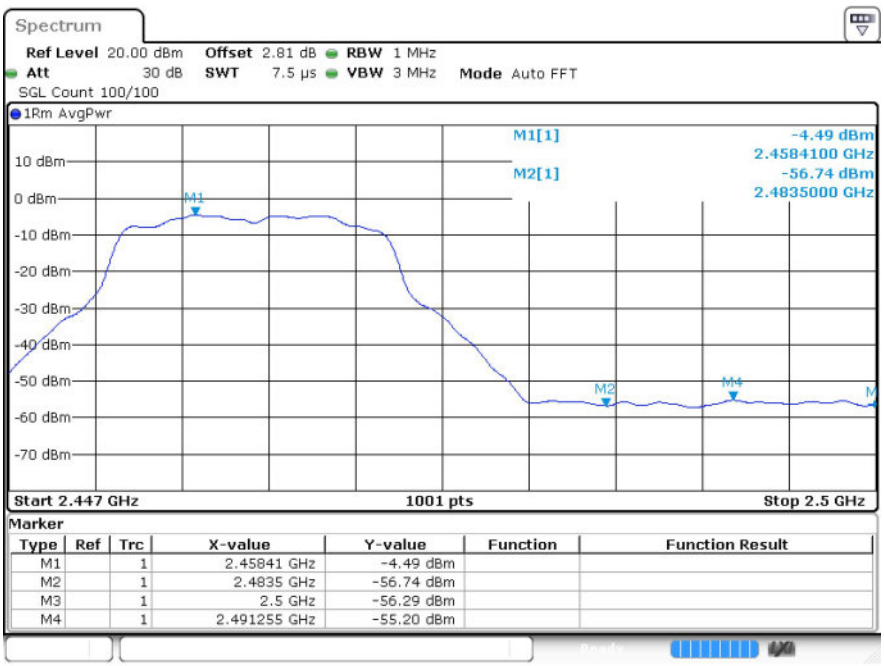
g 2412MHz Ant1 Average



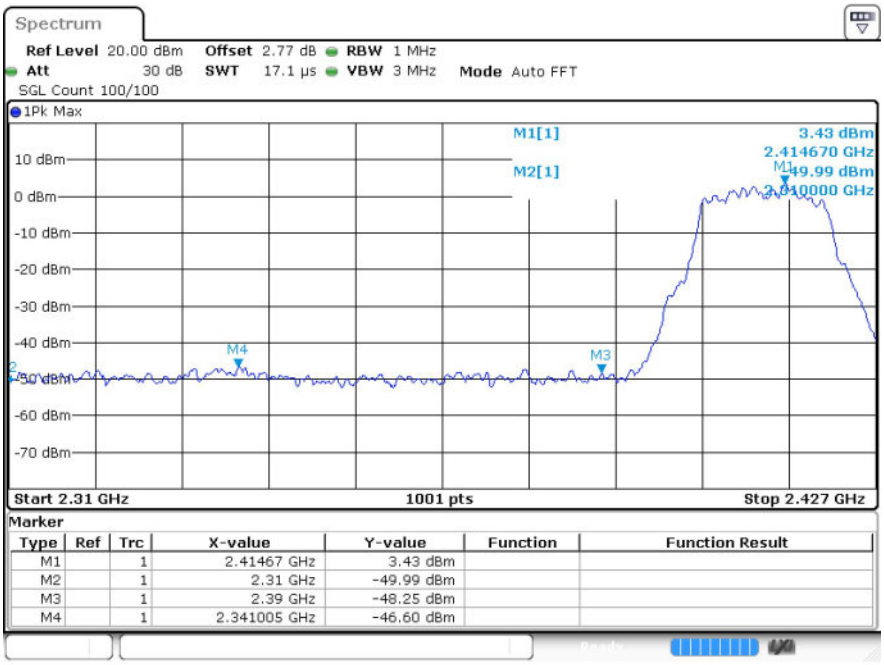
g 2462MHz Ant1 Peak



g 2462MHz Ant1 Average



n20 2412MHz Ant1 Peak



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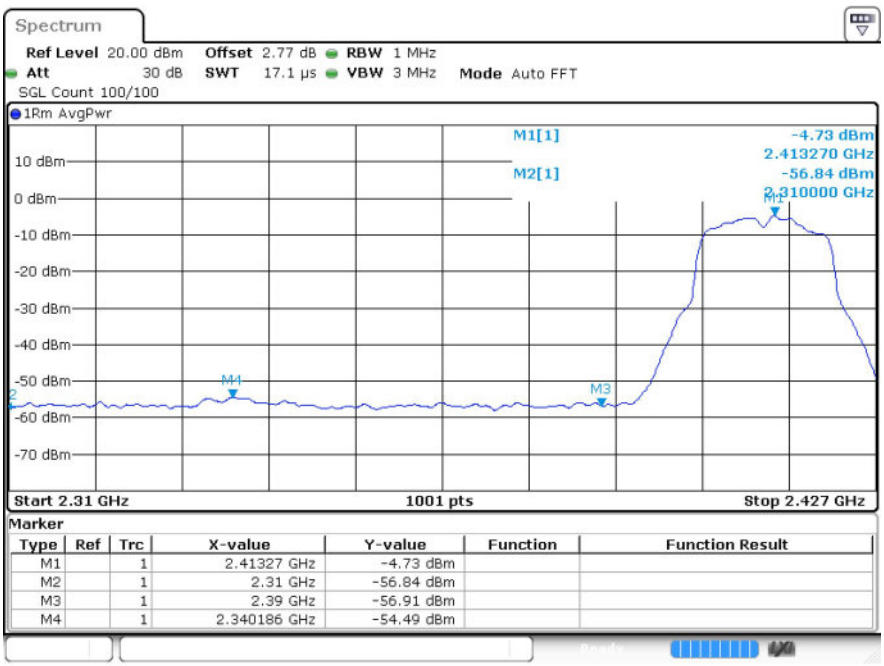

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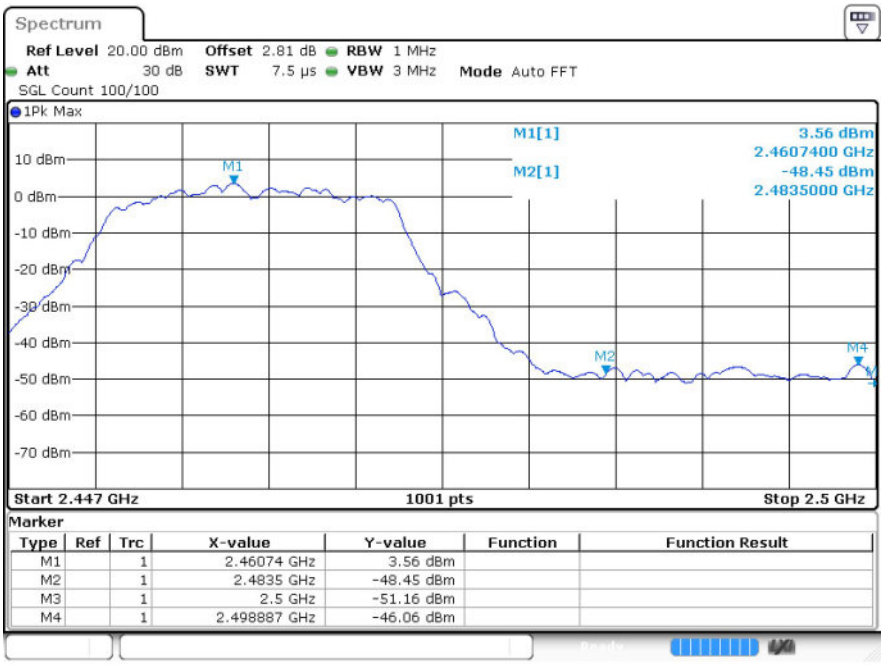

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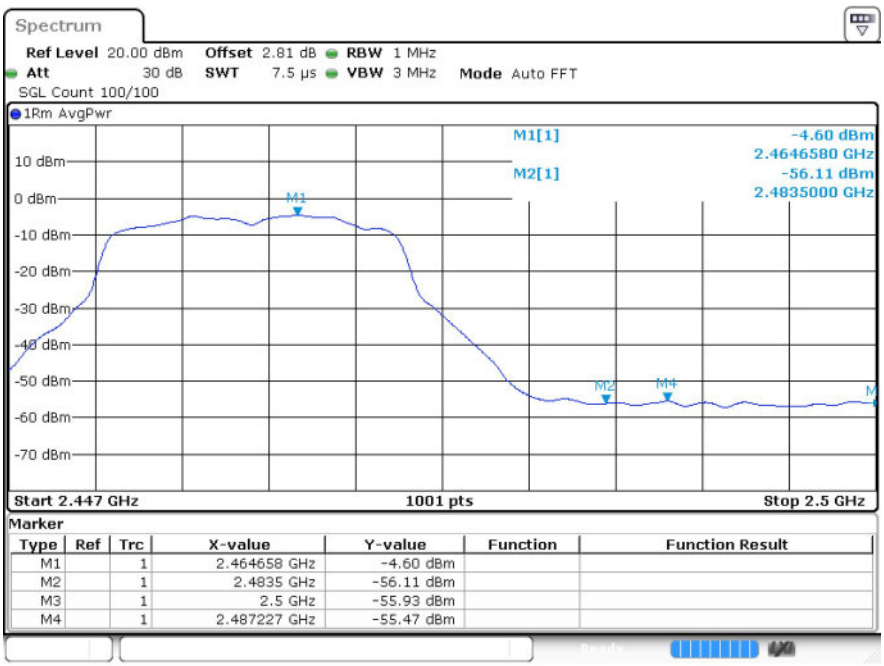
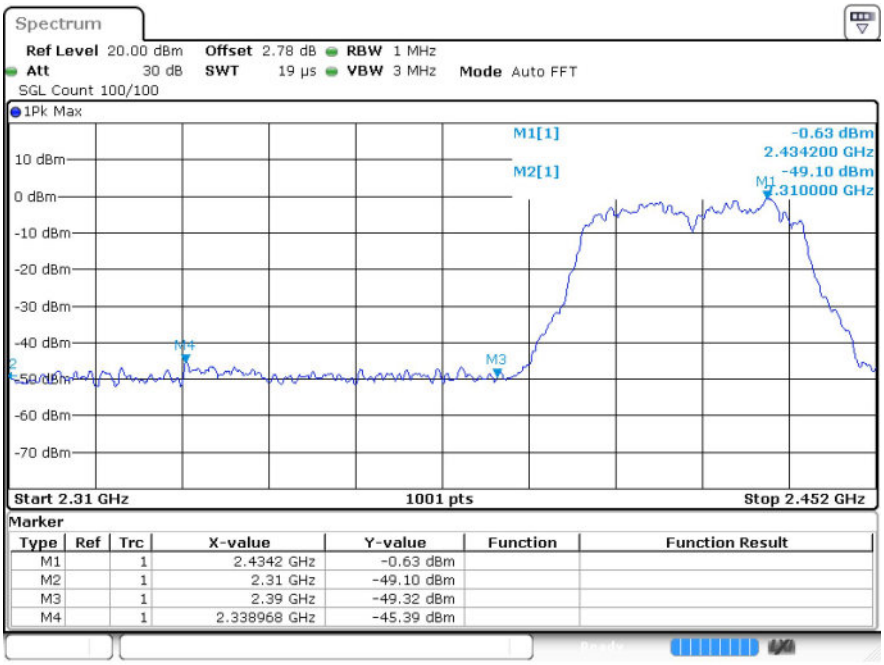
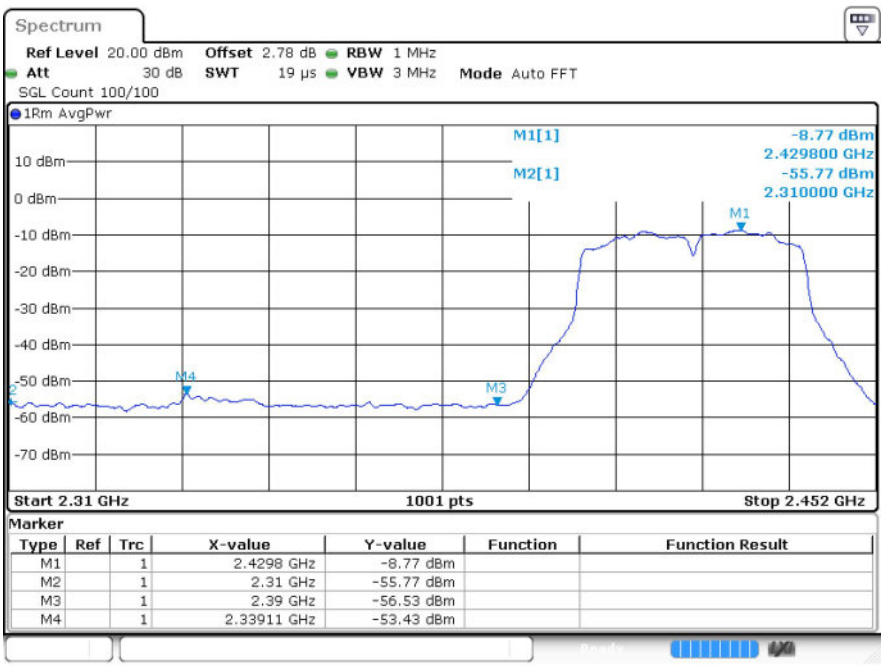


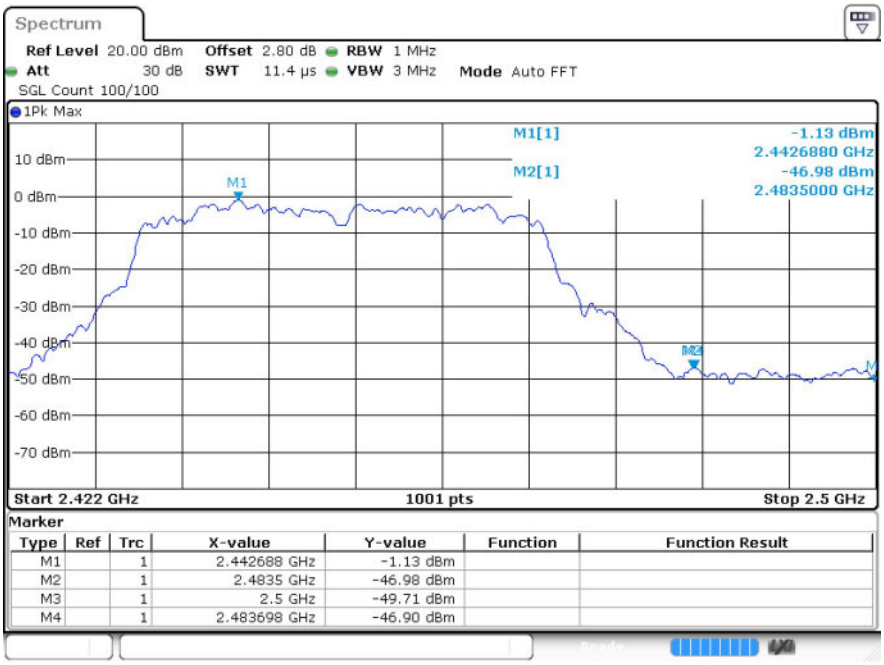
n40 2422MHz Ant1 Peak



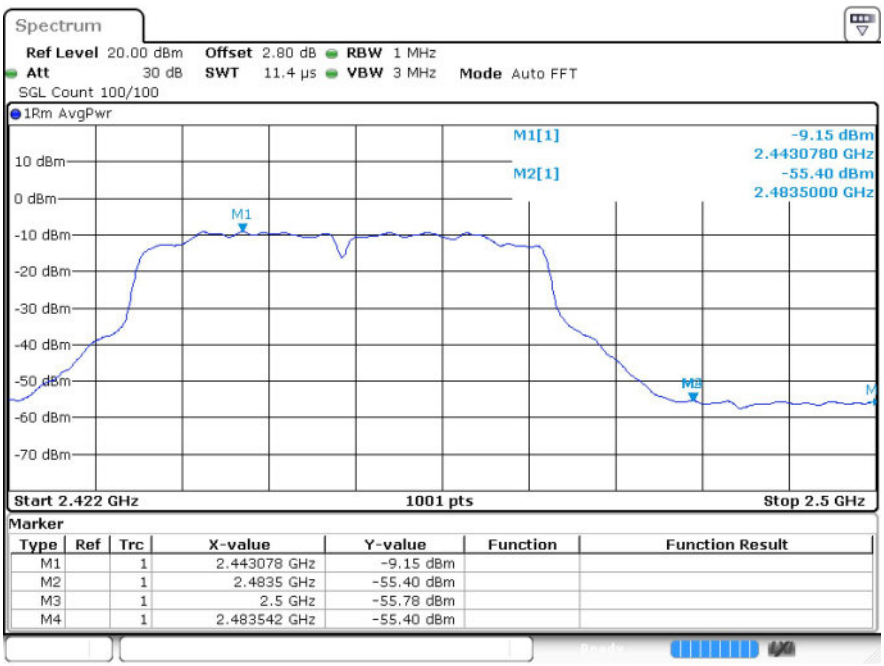
n40 2422MHz Ant1 Average



n40 2452MHz Ant1 Peak



n40 2452MHz Ant1 Average



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