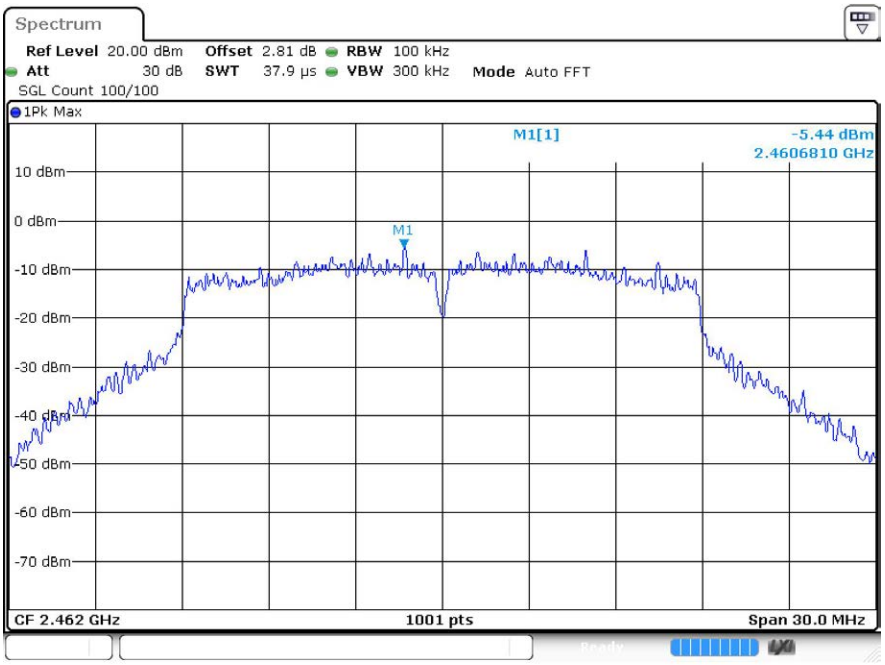
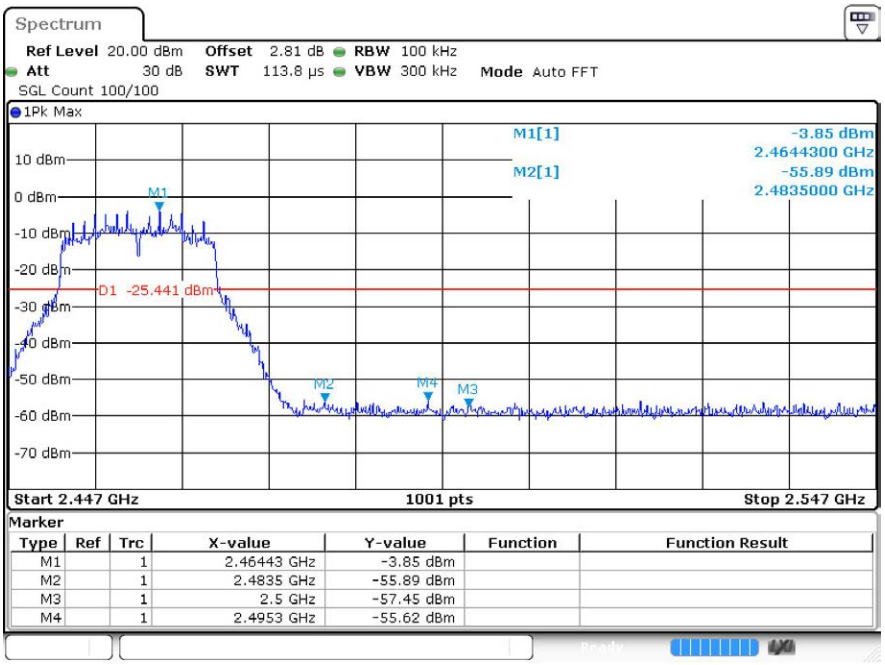
n20 2462MHz Ant1 Ref



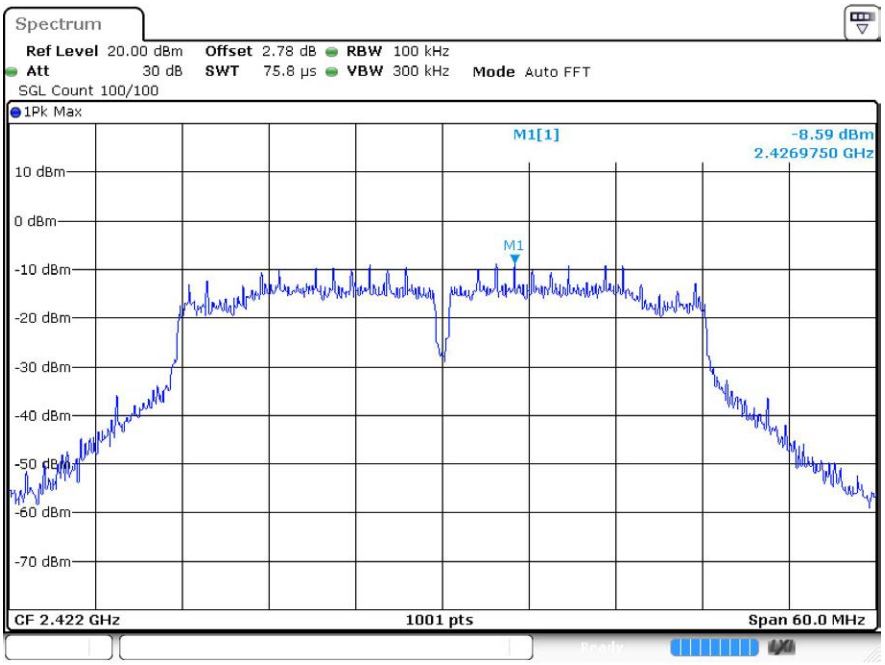
n20 2462MHz Ant1 Emission



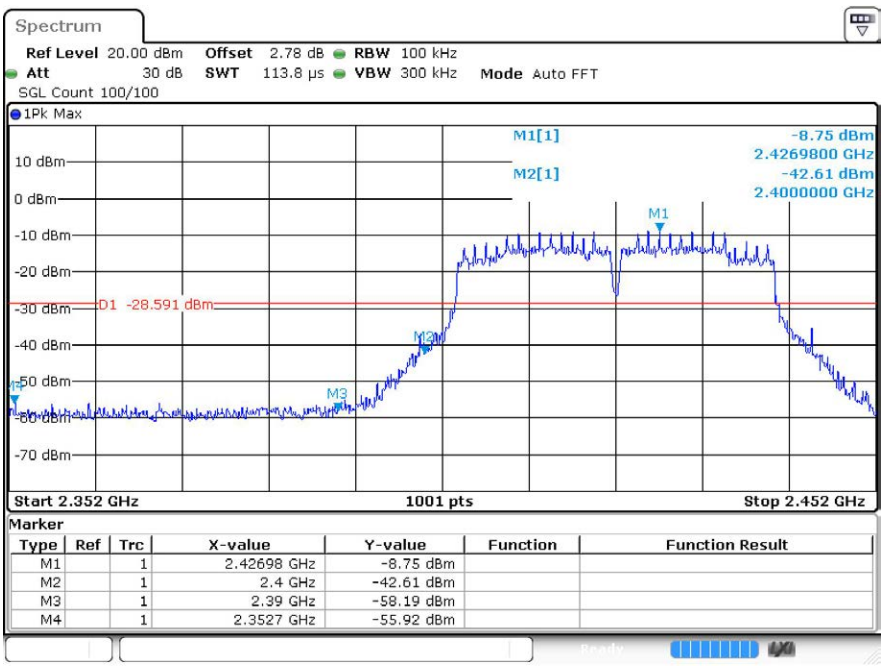
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46443 GHz	-3.85 dBm		
M2		1	2.4835 GHz	-55.89 dBm		
M3		1	2.5 GHz	-57.45 dBm		
M4		1	2.4953 GHz	-55.62 dBm		

n40 2422MHz Ant1 Ref



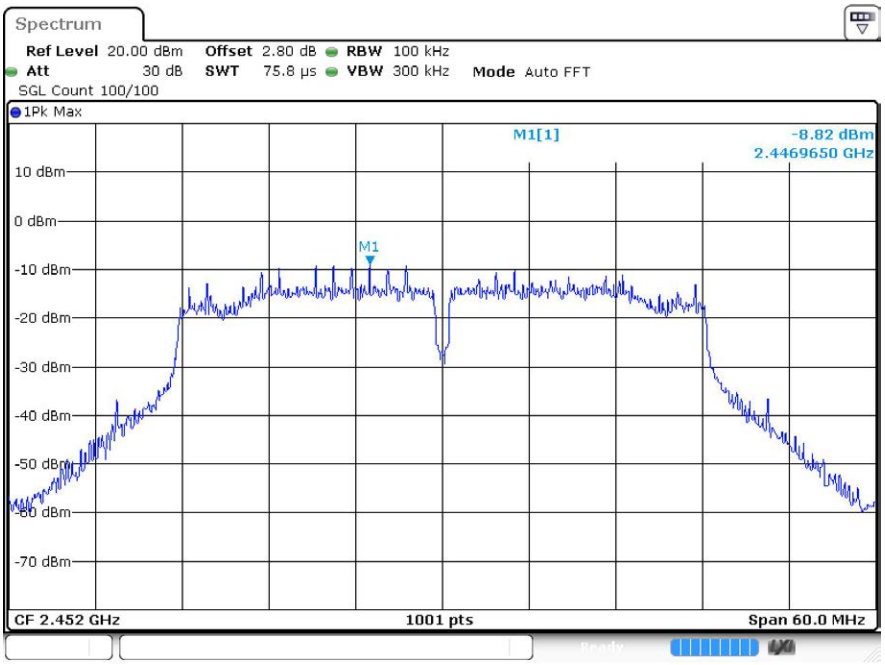
n40 2422MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.42698 GHz	-8.75 dBm		
M2		1	2.4 GHz	-42.61 dBm		
M3		1	2.39 GHz	-58.19 dBm		
M4		1	2.3527 GHz	-55.92 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	-8.84 dBm		
M2		1	2.4835 GHz	-58.50 dBm		
M3		1	2.5 GHz	-57.68 dBm		
M4		1	2.4965 GHz	-55.72 dBm		

6 Conducted RF Spurious Emission

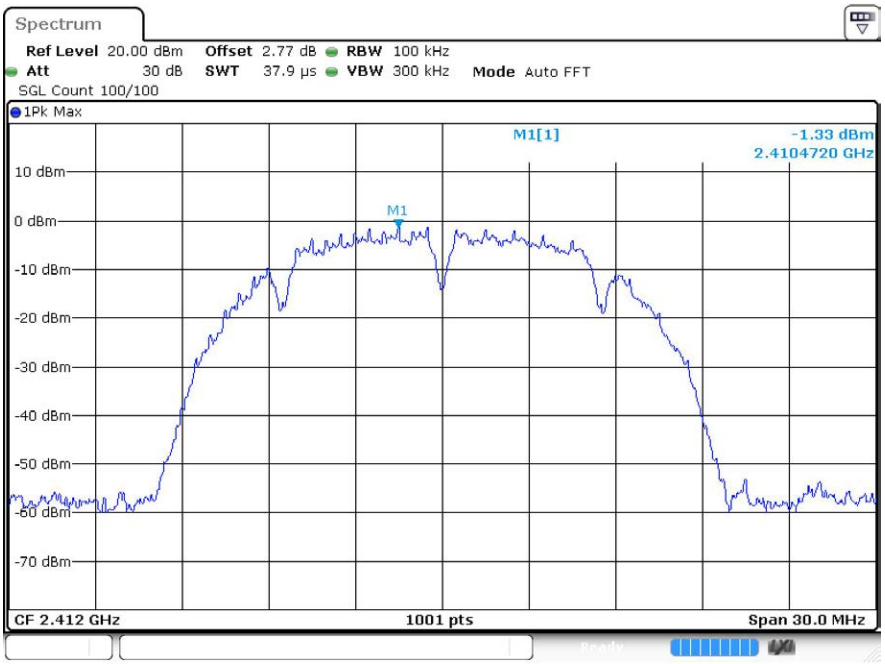
6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-40.75	-20	Pass
b	2437	Ant1	-42.41	-20	Pass
b	2462	Ant1	-42.57	-20	Pass
g	2412	Ant1	-39.88	-20	Pass
g	2437	Ant1	-39.66	-20	Pass
g	2462	Ant1	-39.7	-20	Pass
n20	2412	Ant1	-38.83	-20	Pass
n20	2437	Ant1	-38.53	-20	Pass
n20	2462	Ant1	-39.34	-20	Pass
n40	2422	Ant1	-33.95	-20	Pass
n40	2437	Ant1	-34.49	-20	Pass
n40	2452	Ant1	-34.42	-20	Pass

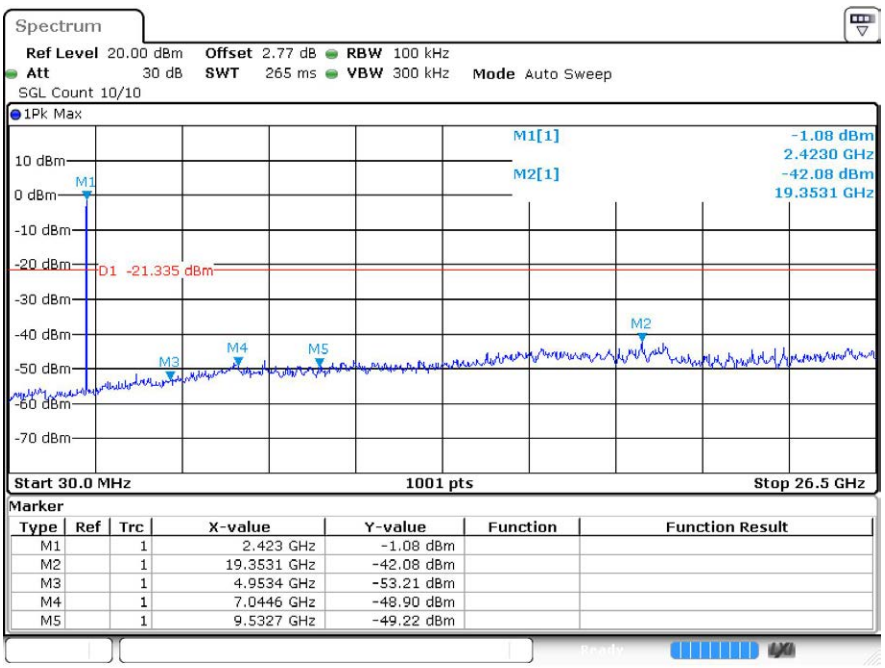
6.2 Test Graphs

Test Graphs

b 2412MHz Ant1 Ref



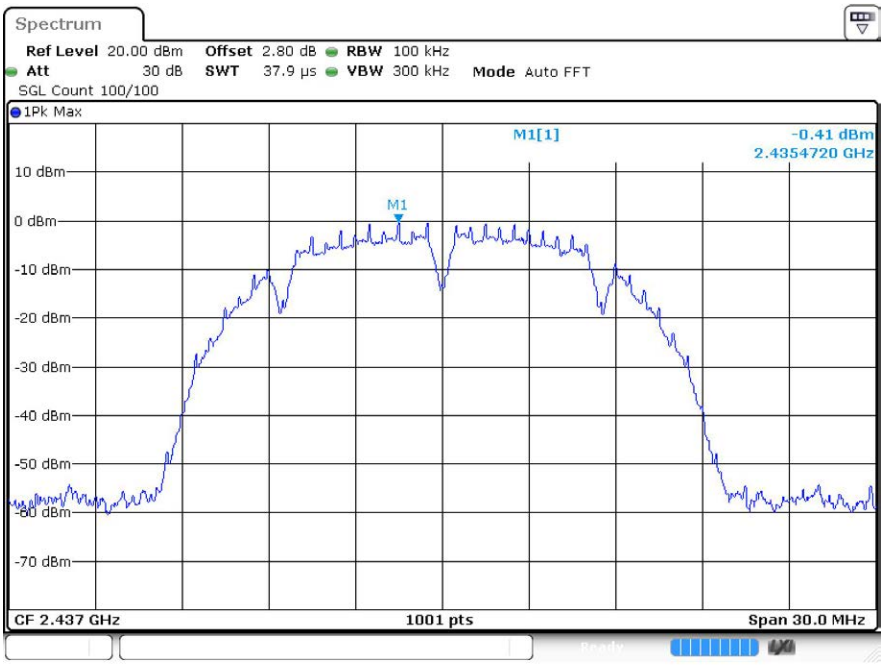
b 2412MHz Ant1 Emission



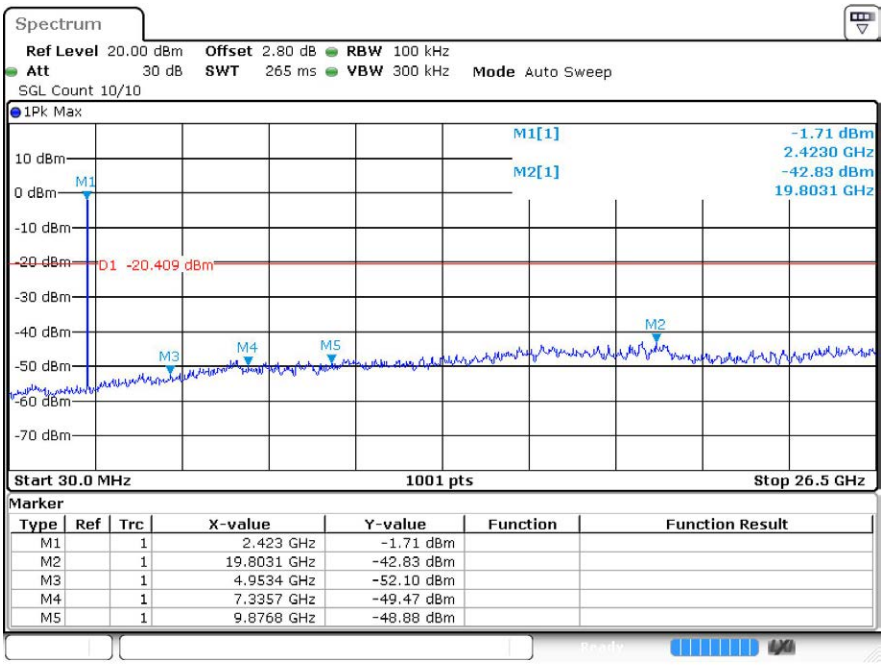
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-1.08 dBm		
M2		1	19.3531 GHz	-42.08 dBm		
M3		1	4.9534 GHz	-53.21 dBm		
M4		1	7.0446 GHz	-48.90 dBm		
M5		1	9.5327 GHz	-49.22 dBm		

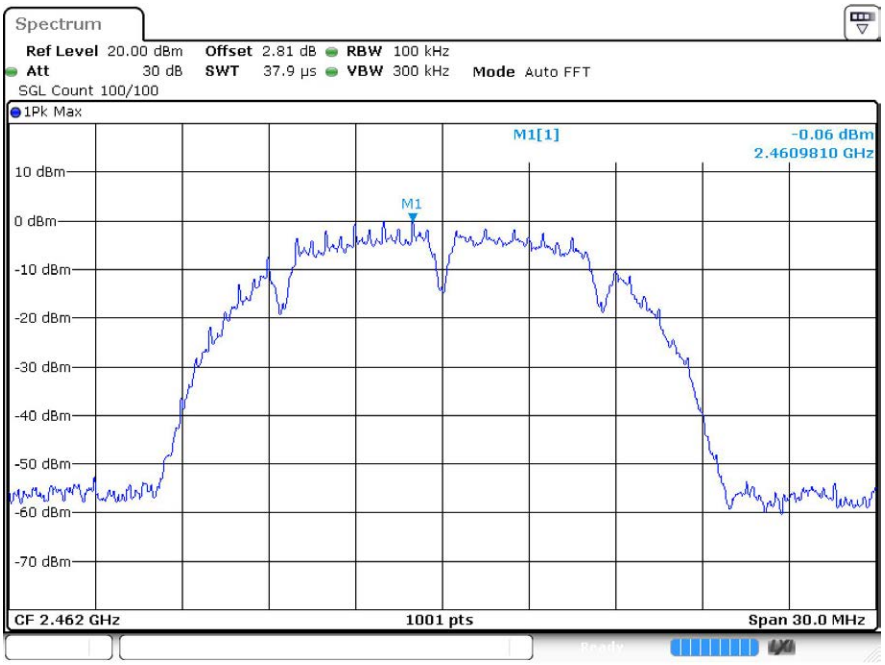
b 2437MHz Ant1 Ref



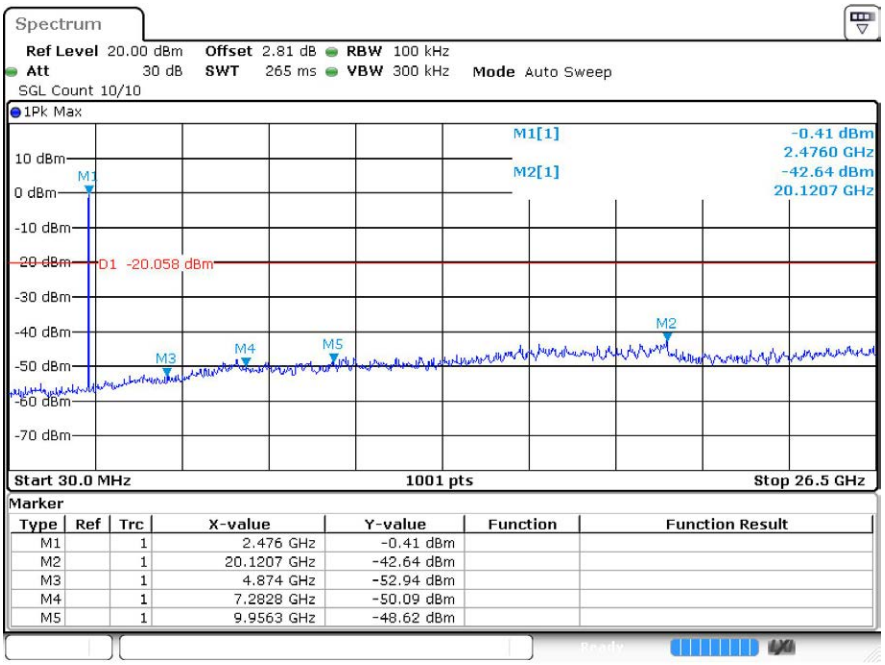
b 2437MHz Ant1 Emission



b 2462MHz Ant1 Ref



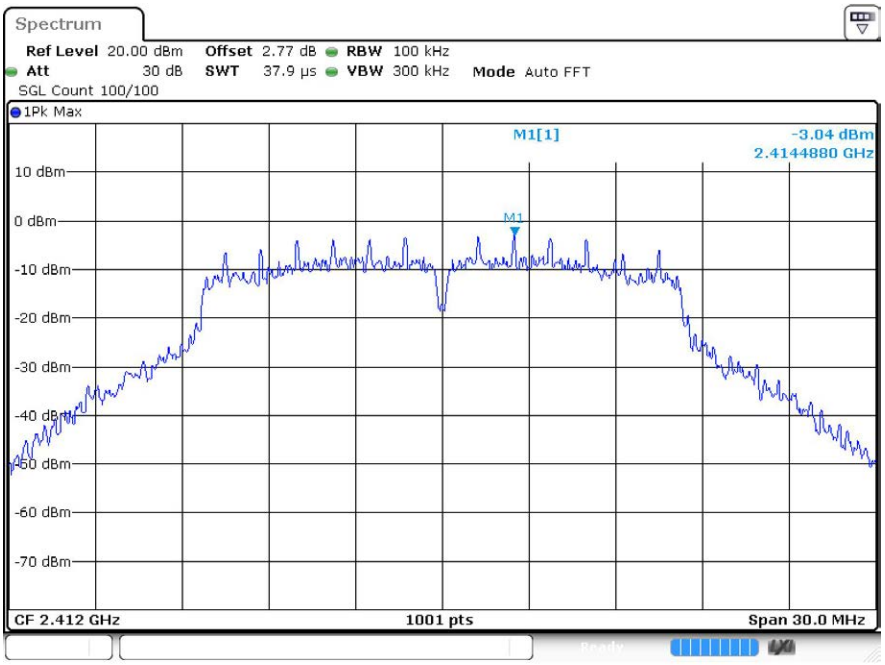
b 2462MHz Ant1 Emission



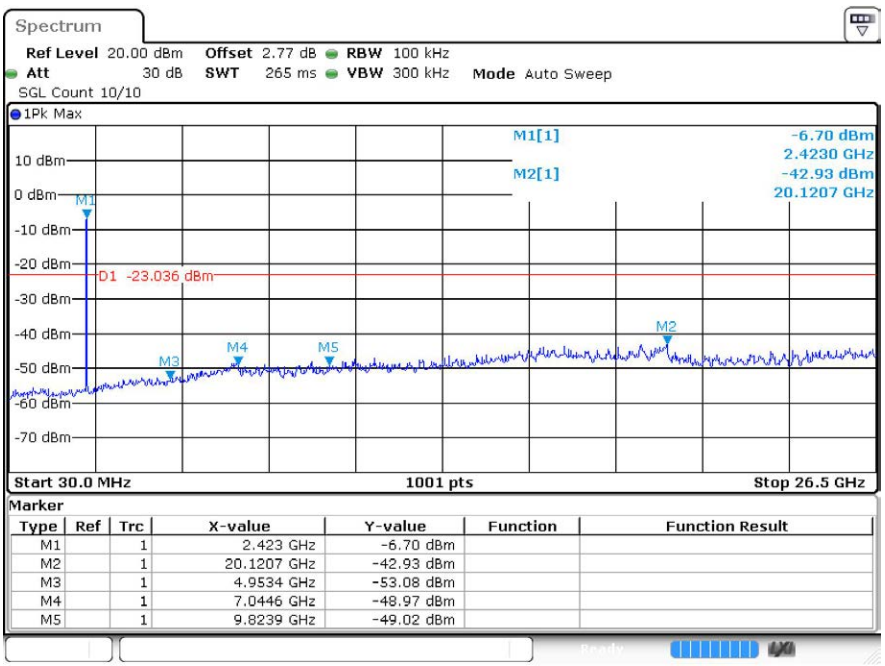
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-0.41 dBm		
M2		1	20.1207 GHz	-42.64 dBm		
M3		1	4.874 GHz	-52.94 dBm		
M4		1	7.2828 GHz	-50.09 dBm		
M5		1	9.9563 GHz	-48.62 dBm		

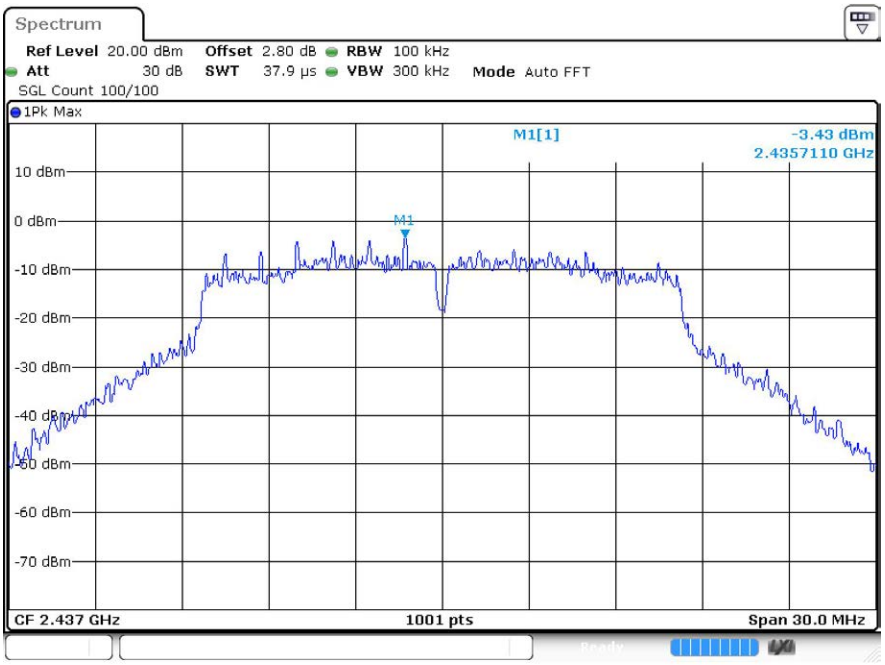
g 2412MHz Ant1 Ref



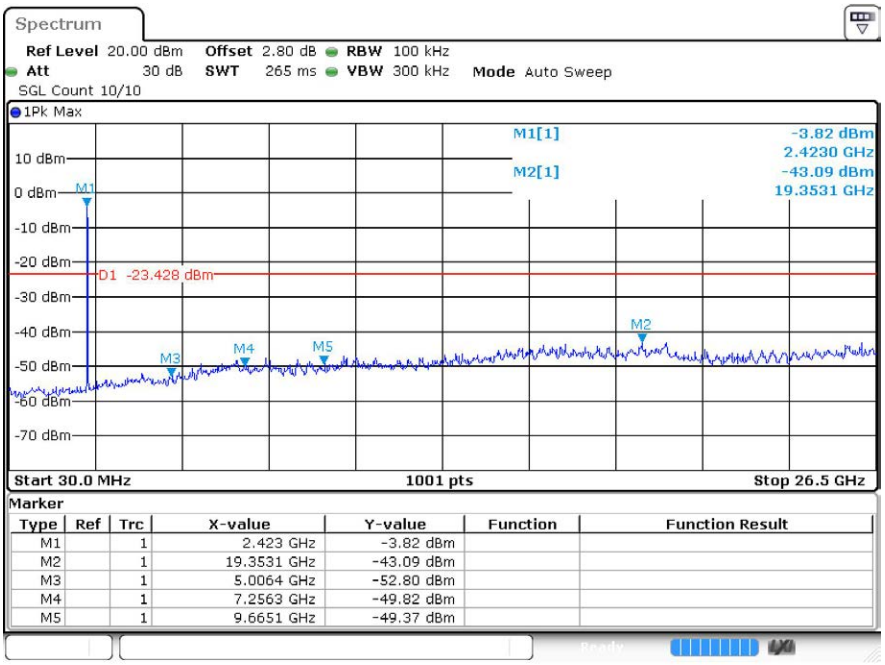
g 2412MHz Ant1 Emission



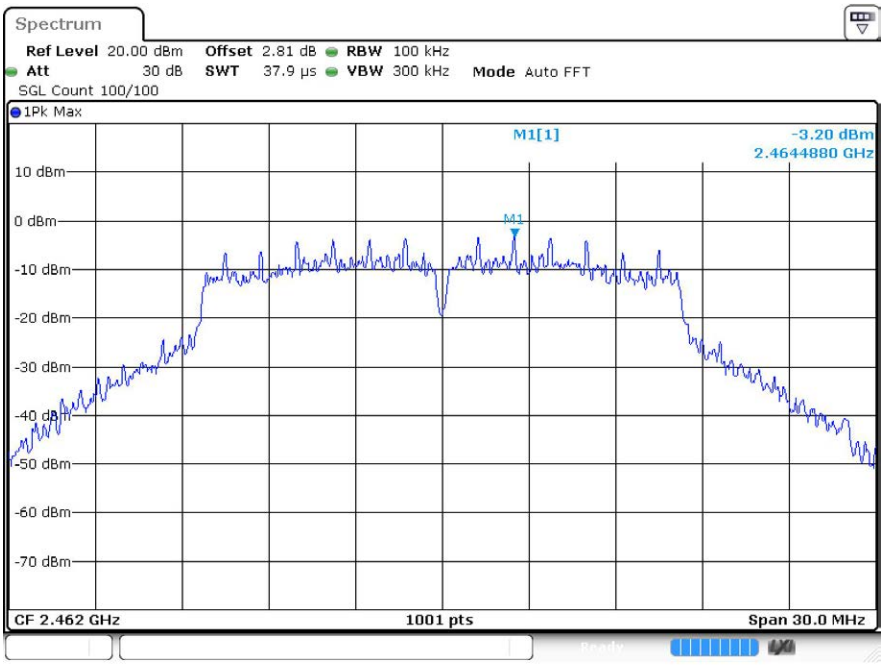
g 2437MHz Ant1 Ref



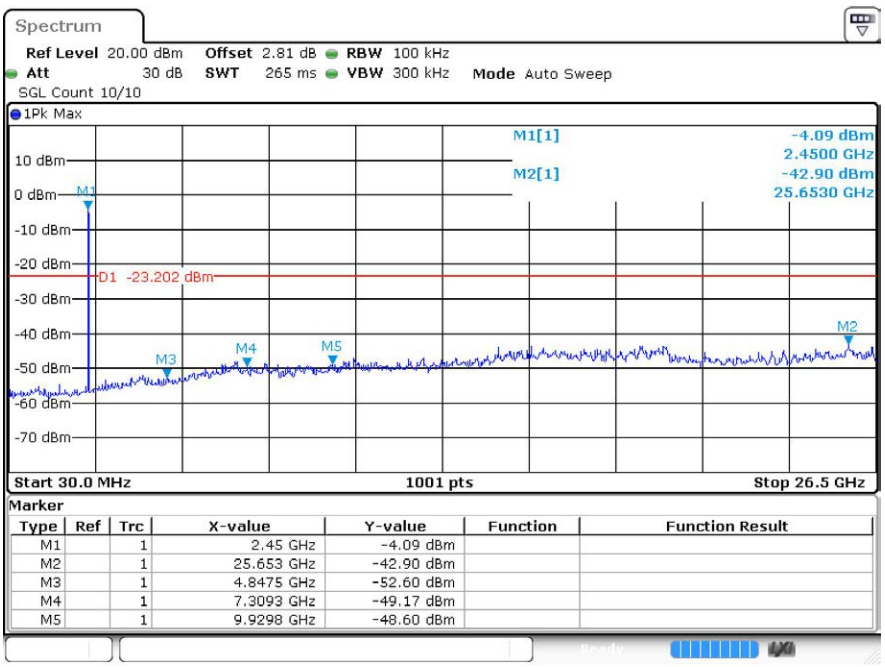
g 2437MHz Ant1 Emission



g 2462MHz Ant1 Ref



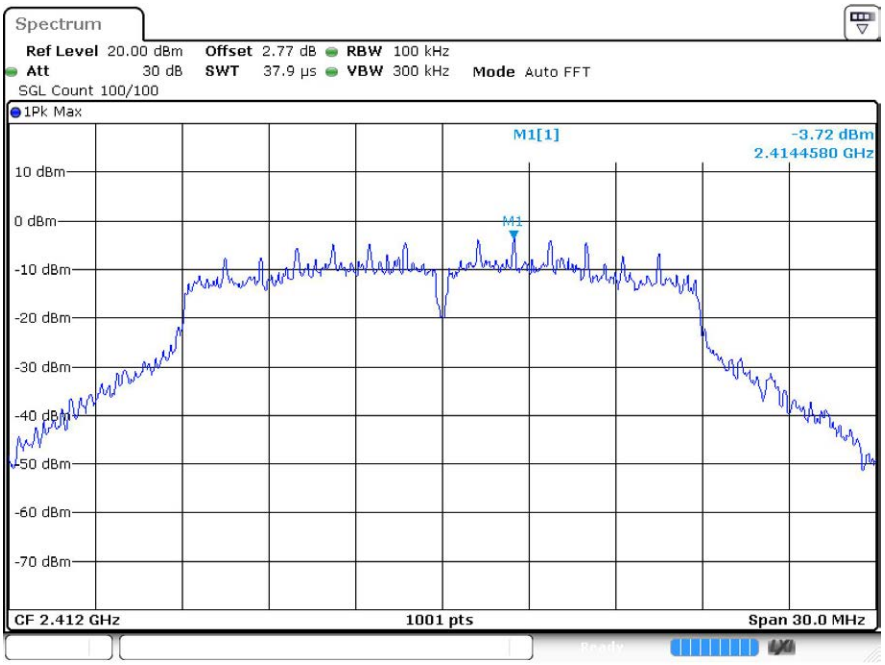
g 2462MHz Ant1 Emission



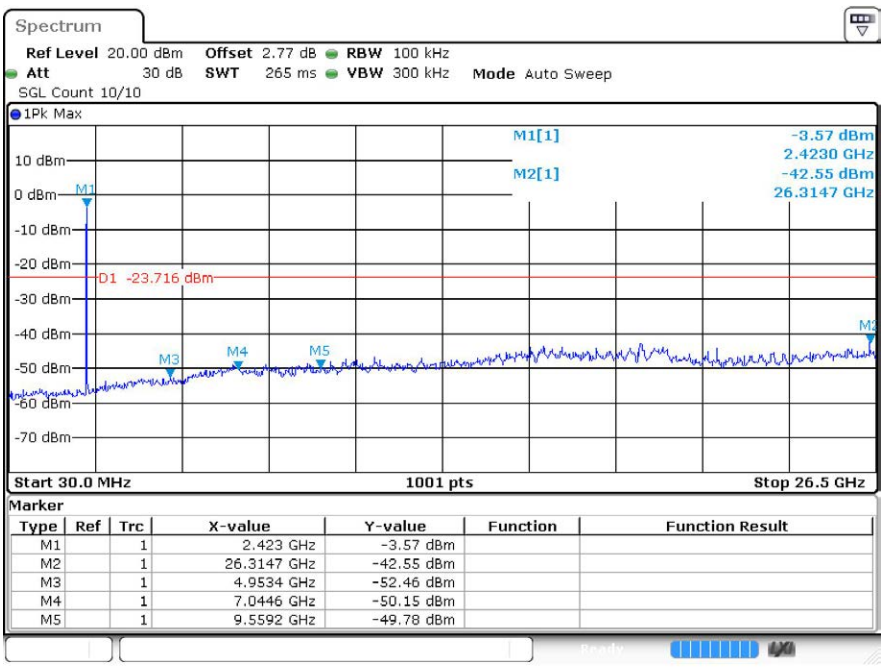
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-4.09 dBm		
M2		1	25.653 GHz	-42.90 dBm		
M3		1	4.8475 GHz	-52.60 dBm		
M4		1	7.3093 GHz	-49.17 dBm		
M5		1	9.9298 GHz	-48.60 dBm		

n20 2412MHz Ant1 Ref



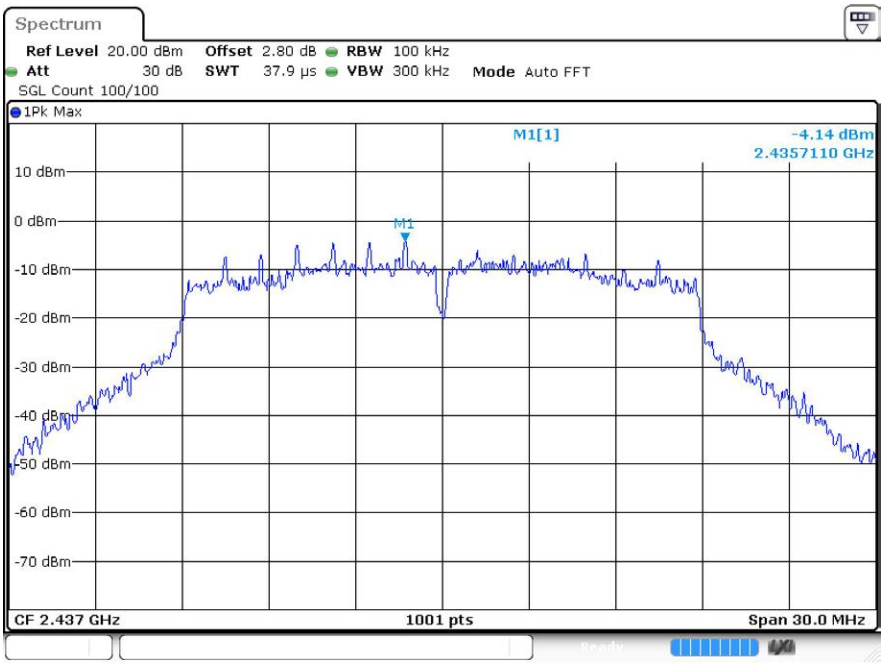
n20 2412MHz Ant1 Emission



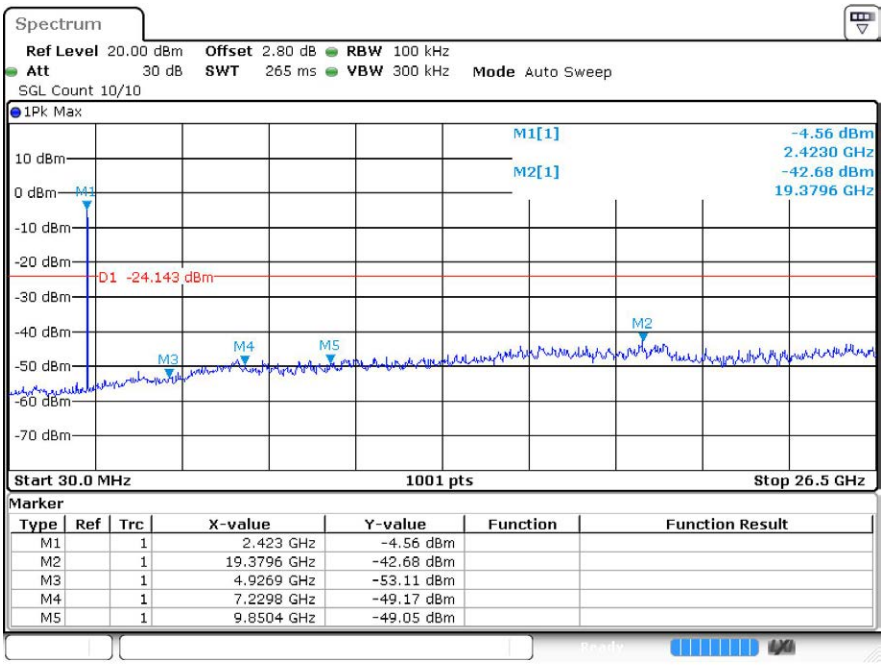
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-3.57 dBm		
M2		1	26.3147 GHz	-42.55 dBm		
M3		1	4.9534 GHz	-52.46 dBm		
M4		1	7.0446 GHz	-50.15 dBm		
M5		1	9.5592 GHz	-49.78 dBm		

n20 2437MHz Ant1 Ref



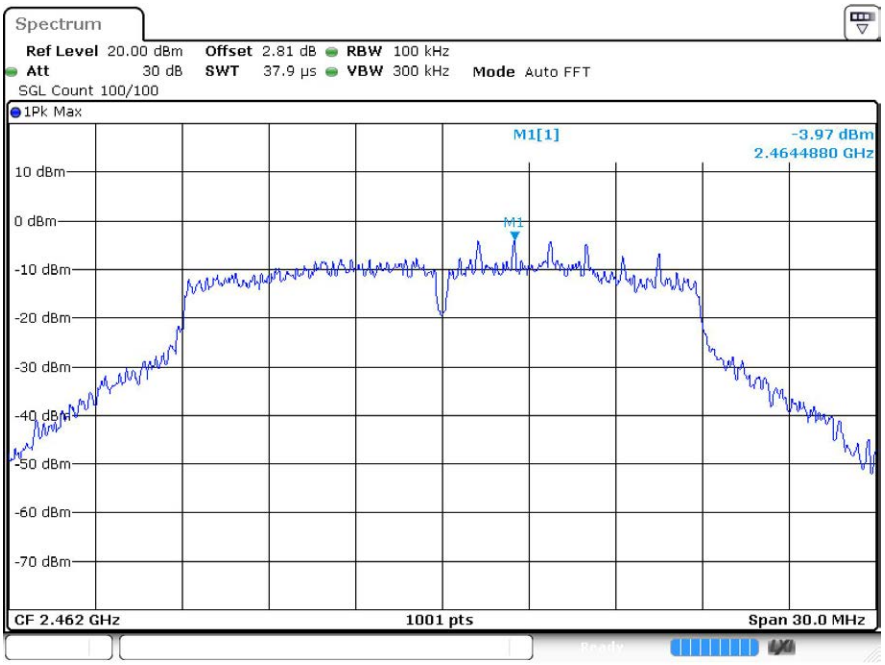
n20 2437MHz Ant1 Emission



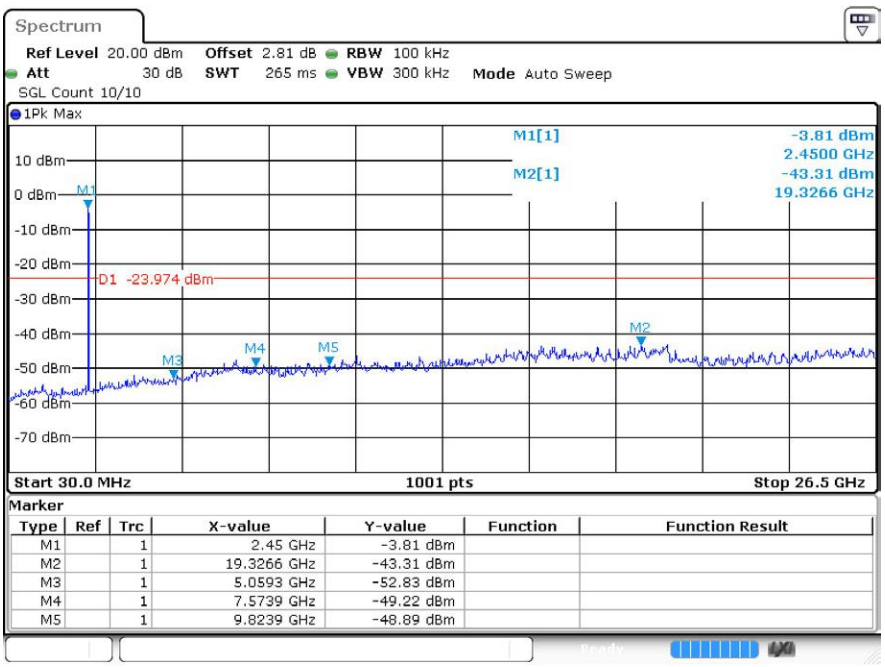
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-4.56 dBm		
M2		1	19.3796 GHz	-42.68 dBm		
M3		1	4.9269 GHz	-53.11 dBm		
M4		1	7.2298 GHz	-49.17 dBm		
M5		1	9.8504 GHz	-49.05 dBm		

n20 2462MHz Ant1 Ref



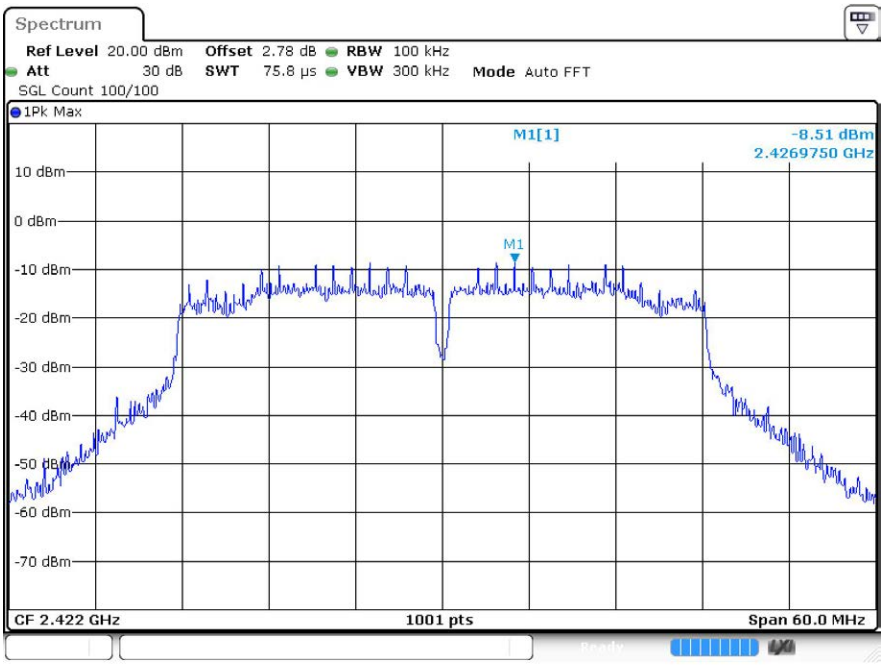
n20 2462MHz Ant1 Emission



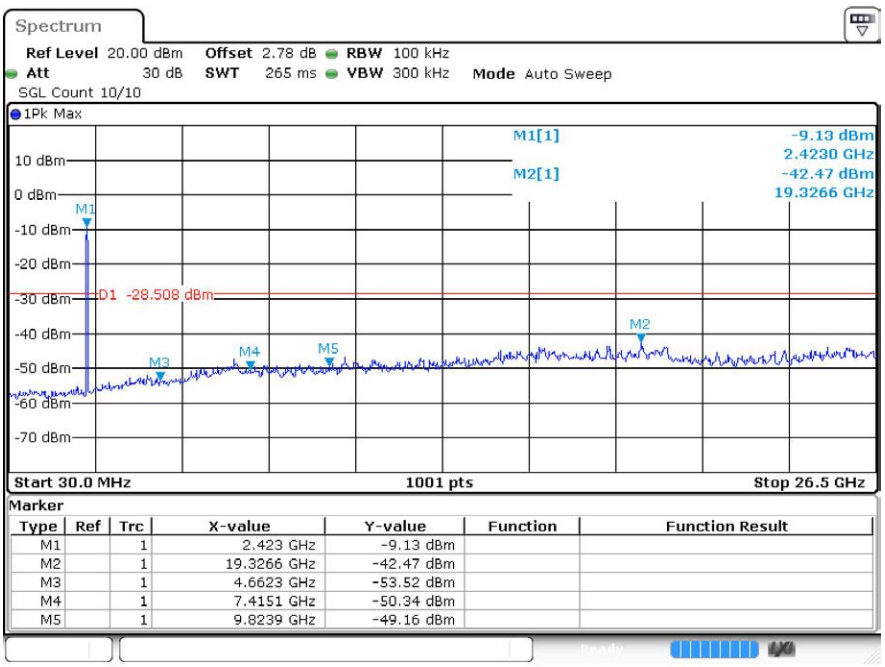
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.81 dBm		
M2		1	19.3266 GHz	-43.31 dBm		
M3		1	5.0593 GHz	-52.83 dBm		
M4		1	7.5739 GHz	-49.22 dBm		
M5		1	9.8239 GHz	-48.89 dBm		

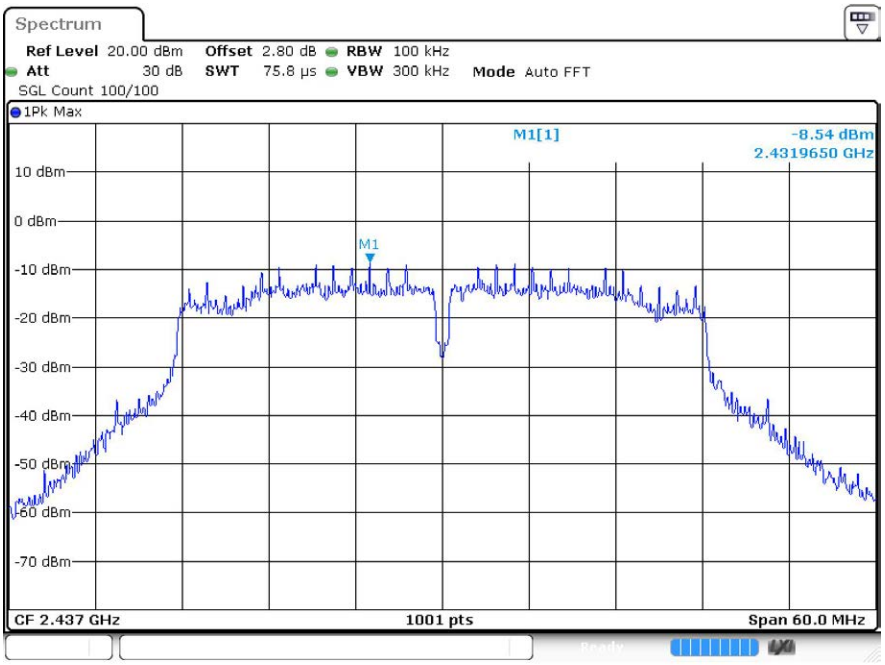
n40 2422MHz Ant1 Ref



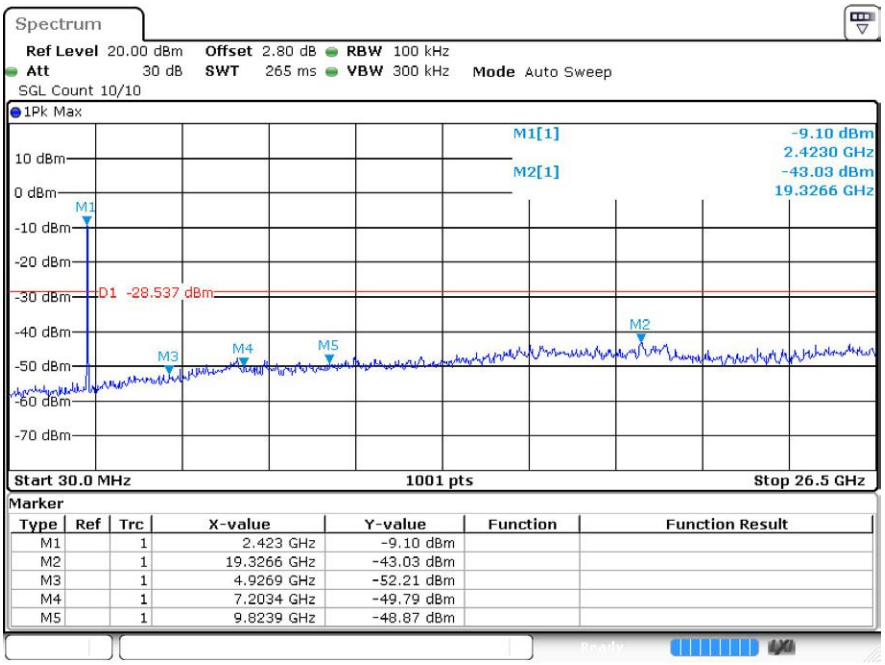
n40 2422MHz Ant1 Emission



n40 2437MHz Ant1 Ref



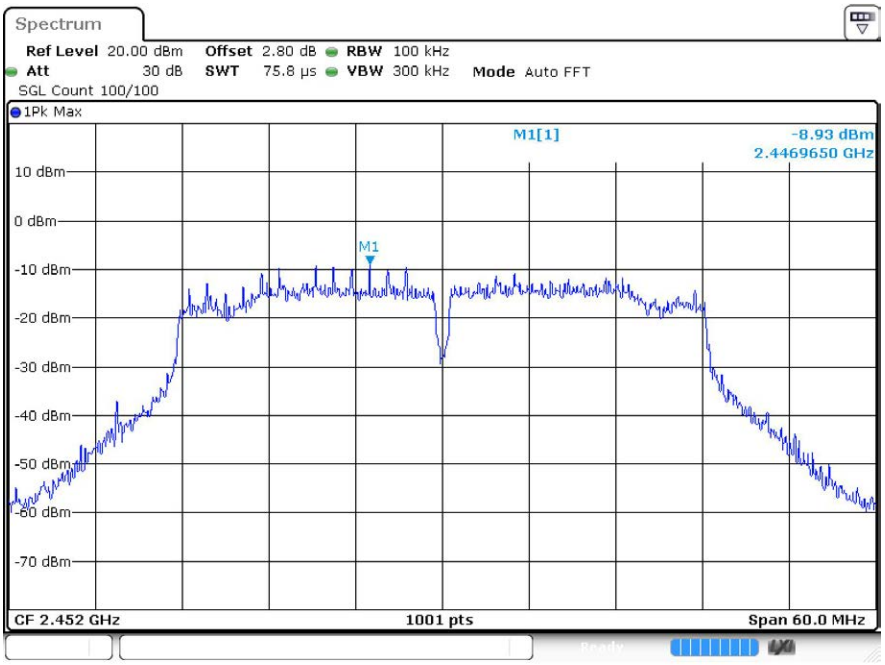
n40 2437MHz Ant1 Emission



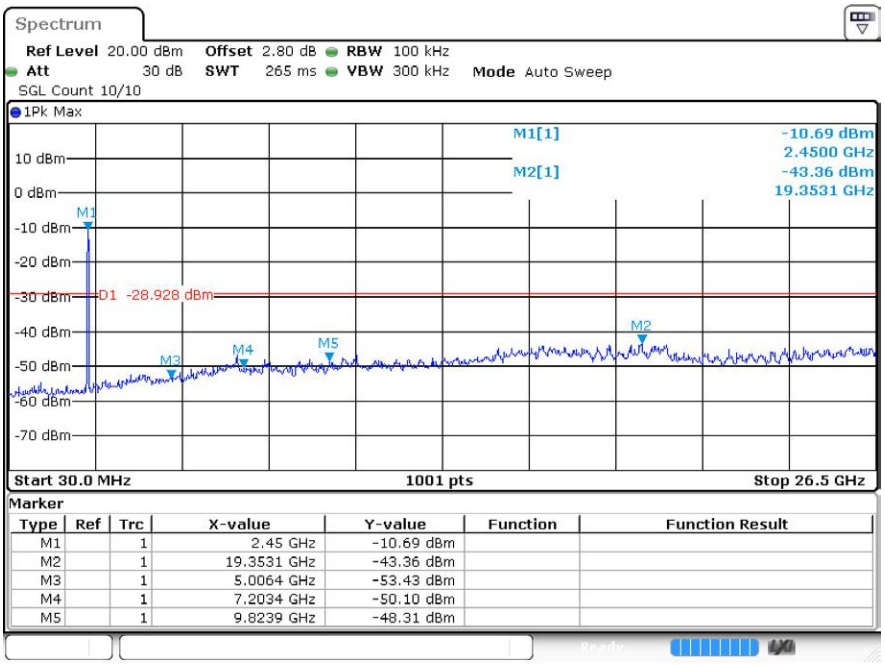
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.423 GHz	-9.10 dBm		
M2		1	19.3266 GHz	-43.03 dBm		
M3		1	4.9269 GHz	-52.21 dBm		
M4		1	7.2034 GHz	-49.79 dBm		
M5		1	9.8239 GHz	-48.87 dBm		

n40 2452MHz Ant1 Ref



n40 2452MHz Ant1 Emission



7 Restrict Band

7.1 Test Result

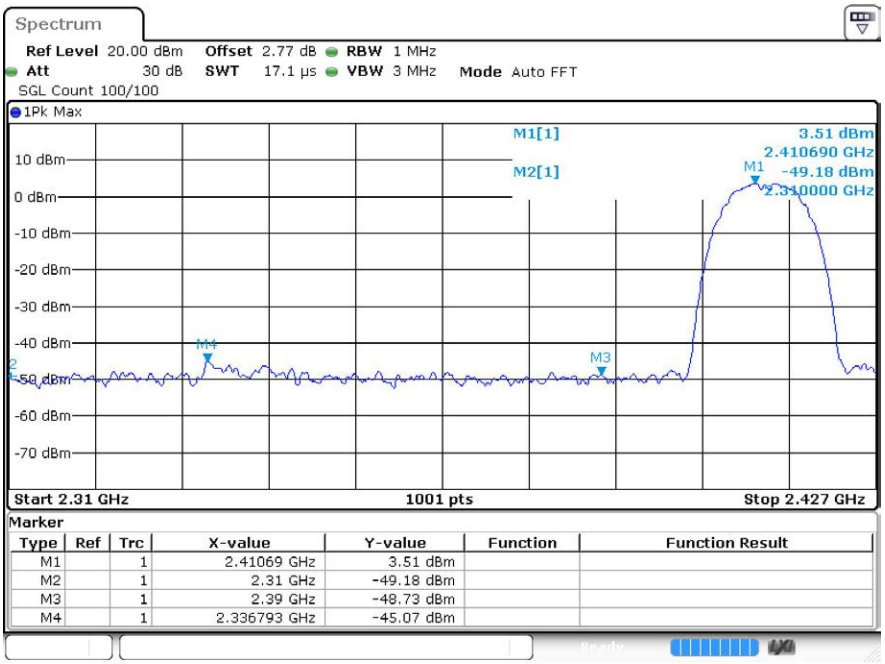
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-49.18	4.39	-	50.44	Peak	74	Pass
b	2412	Ant1	2310	-56.29	4.39	0	43.33	Average	54	Pass
b	2412	Ant1	2336.793	-45.06	4.39	-	54.56	Peak	74	Pass
b	2412	Ant1	2339.133	-53.91	4.39	0	45.71	Average	54	Pass
b	2412	Ant1	2390	-48.73	4.39	-	50.89	Peak	74	Pass
b	2412	Ant1	2390	-55.91	4.39	0	43.71	Average	54	Pass
b	2462	Ant1	2483.5	-49.18	4.39	-	50.44	Peak	74	Pass
b	2462	Ant1	2483.5	-56.29	4.39	0	43.33	Average	54	Pass
b	2462	Ant1	2495.601	-46.74	4.39	-	52.88	Peak	74	Pass
b	2462	Ant1	2490.672	-55.1	4.39	0	44.52	Average	54	Pass
b	2462	Ant1	2500	-48.6	4.39	-	51.02	Peak	74	Pass
b	2462	Ant1	2500	-56.36	4.39	0	43.26	Average	54	Pass
g	2412	Ant1	2310	-48.27	4.39	-	51.35	Peak	74	Pass
g	2412	Ant1	2310	-55.77	4.39	0.6	44.45	Average	54	Pass
g	2412	Ant1	2322.168	-46.45	4.39	-	53.17	Peak	74	Pass
g	2412	Ant1	2336.325	-54.33	4.39	0.6	45.89	Average	54	Pass
g	2412	Ant1	2390	-47.41	4.39	-	52.21	Peak	74	Pass
g	2412	Ant1	2390	-56.13	4.39	0.6	44.09	Average	54	Pass
g	2462	Ant1	2483.5	-46.34	4.39	-	53.28	Peak	74	Pass
g	2462	Ant1	2483.5	-56.19	4.39	0.61	44.04	Average	54	Pass
g	2462	Ant1	2495.601	-46.34	4.39	-	53.28	Peak	74	Pass
g	2462	Ant1	2485.69	-55.21	4.39	0.61	45.02	Average	54	Pass
g	2462	Ant1	2500	-50.05	4.39	-	49.57	Peak	74	Pass
g	2462	Ant1	2500	-56.02	4.39	0.61	44.21	Average	54	Pass
n20	2412	Ant1	2310	-49.53	4.39	-	50.09	Peak	74	Pass
n20	2412	Ant1	2310	-56.06	4.39	0.58	44.14	Average	54	Pass
n20	2412	Ant1	2340.186	-45.8	4.39	-	53.82	Peak	74	Pass
n20	2412	Ant1	2337.144	-53.7	4.39	0.58	46.50	Average	54	Pass
n20	2412	Ant1	2390	-47.84	4.39	-	51.78	Peak	74	Pass
n20	2412	Ant1	2390	-56.01	4.39	0.58	44.19	Average	54	Pass
n20	2462	Ant1	2483.5	-47.71	4.39	-	51.91	Peak	74	Pass
n20	2462	Ant1	2483.5	-55.88	4.39	0.58	44.32	Average	54	Pass
n20	2462	Ant1	2492.527	-46.73	4.39	-	52.89	Peak	74	Pass
n20	2462	Ant1	2484.948	-55.59	4.39	0.58	44.61	Average	54	Pass

n20	2462	Ant1	2500	-50.05	4.39	-	49.57	Peak	74	Pass
n20	2462	Ant1	2500	-56.09	4.39	0.58	44.11	Average	54	Pass
n40	2422	Ant1	2310	-51.08	4.39	-	48.54	Peak	74	Pass
n40	2422	Ant1	2310	-56.88	4.39	0.55	43.29	Average	54	Pass
n40	2422	Ant1	2345.074	-45.55	4.39	-	54.07	Peak	74	Pass
n40	2422	Ant1	2340.388	-54.55	4.39	0.55	45.62	Average	54	Pass
n40	2422	Ant1	2390	-45.81	4.39	-	53.81	Peak	74	Pass
n40	2422	Ant1	2390	-55.43	4.39	0.55	44.74	Average	54	Pass
n40	2452	Ant1	2483.5	-48.55	4.39	-	51.07	Peak	74	Pass
n40	2452	Ant1	2483.5	-56.07	4.39	0.55	44.10	Average	54	Pass
n40	2452	Ant1	2492.746	-47.18	4.39	-	52.44	Peak	74	Pass
n40	2452	Ant1	2487.598	-55.24	4.39	0.55	44.93	Average	54	Pass
n40	2452	Ant1	2500	-48.59	4.39	-	51.03	Peak	74	Pass
n40	2452	Ant1	2500	-55.93	4.39	0.55	44.24	Average	54	Pass

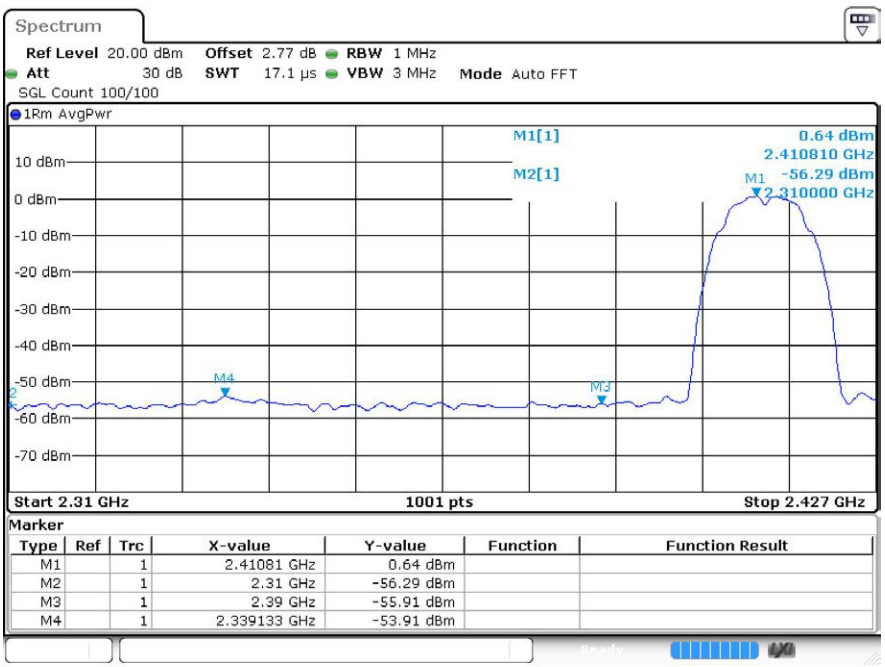
7.2 Test Graphs

Test Graphs

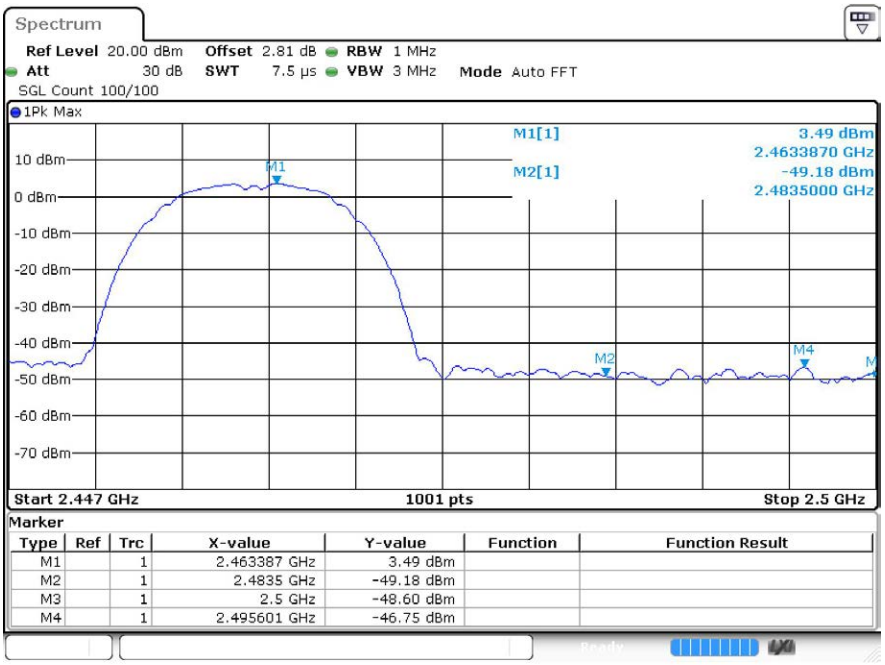
b 2412MHz Ant1 Peak



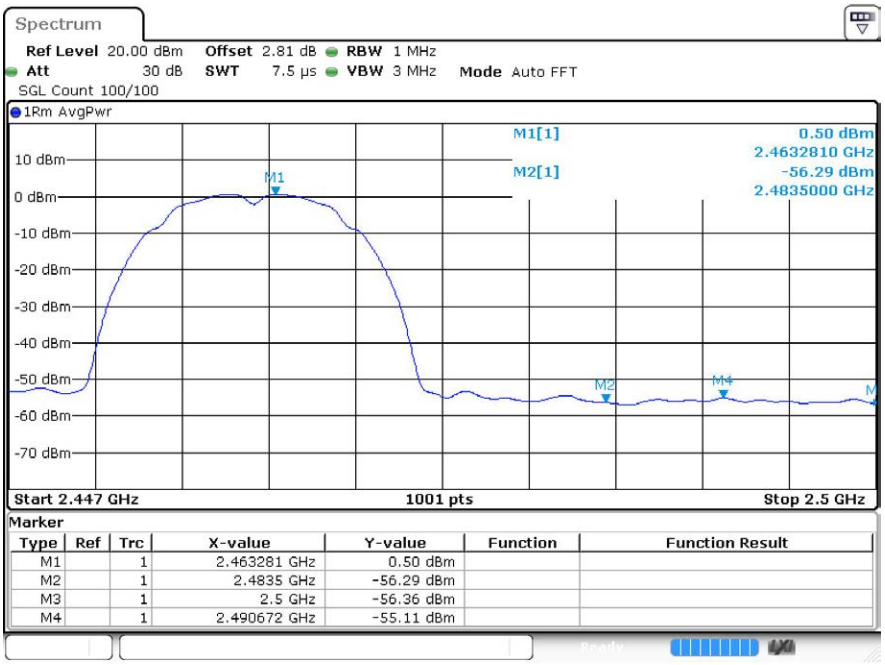
b 2412MHz Ant1 Average



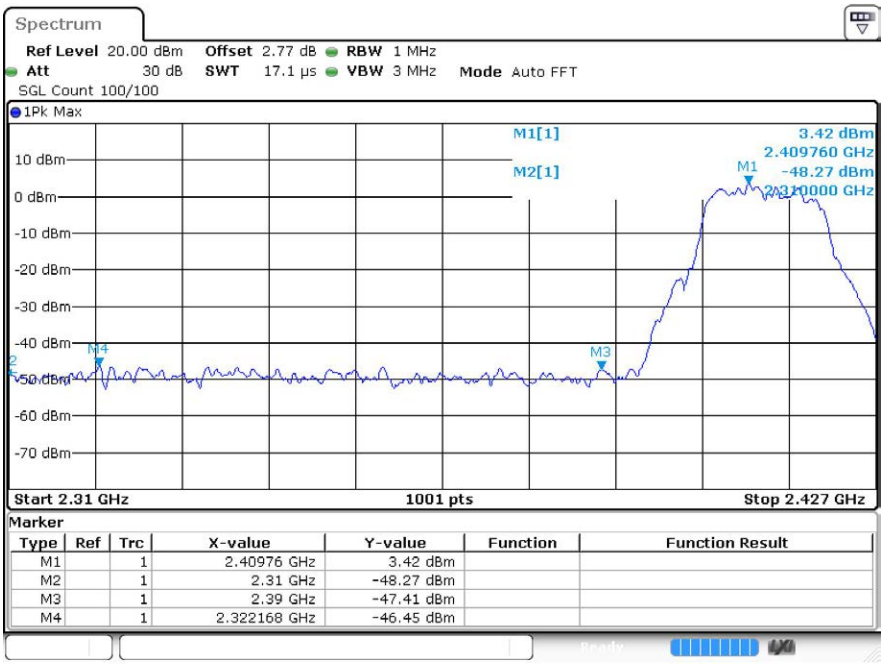
b 2462MHz Ant1 Peak



b 2462MHz Ant1 Average



g 2412MHz Ant1 Peak



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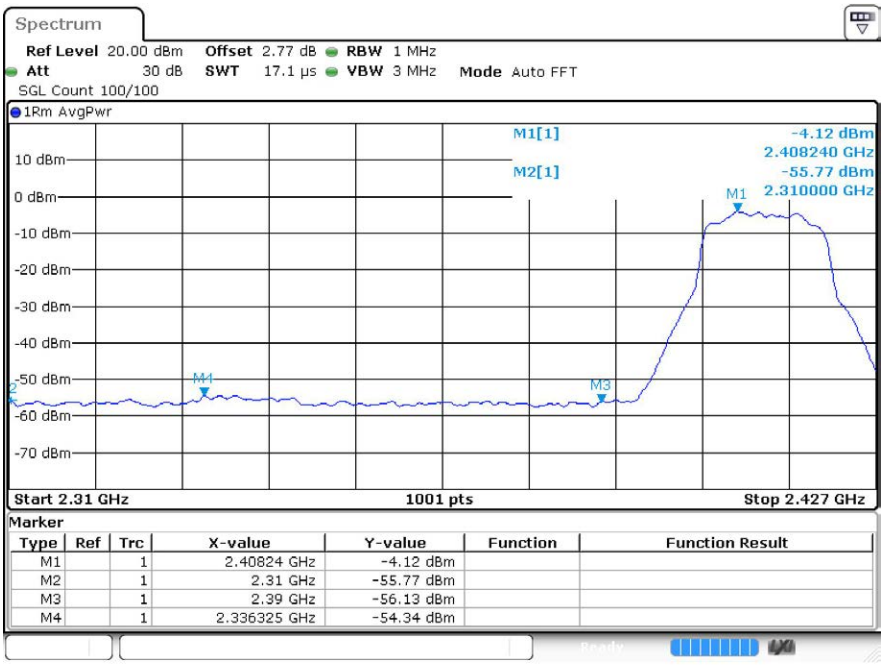
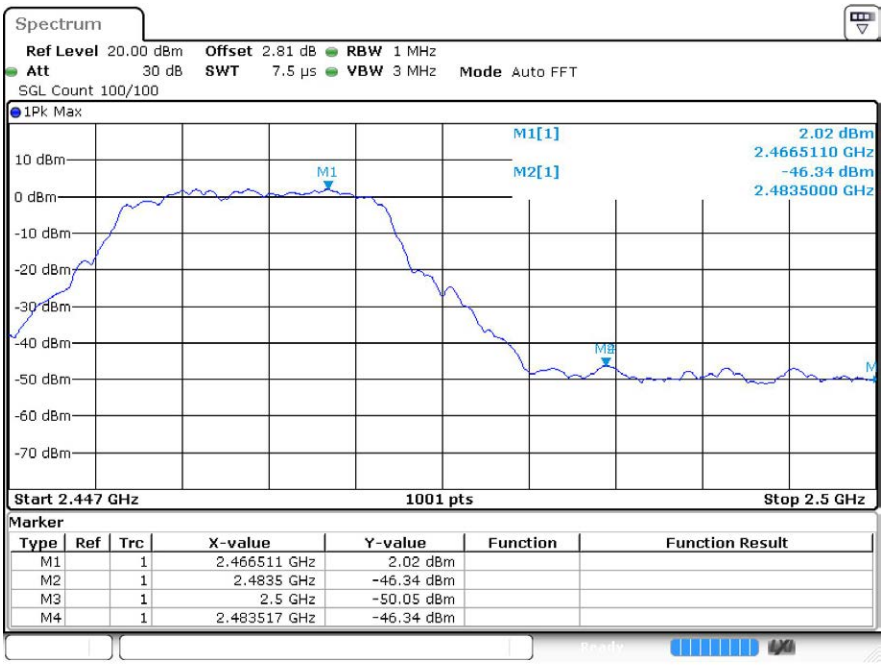
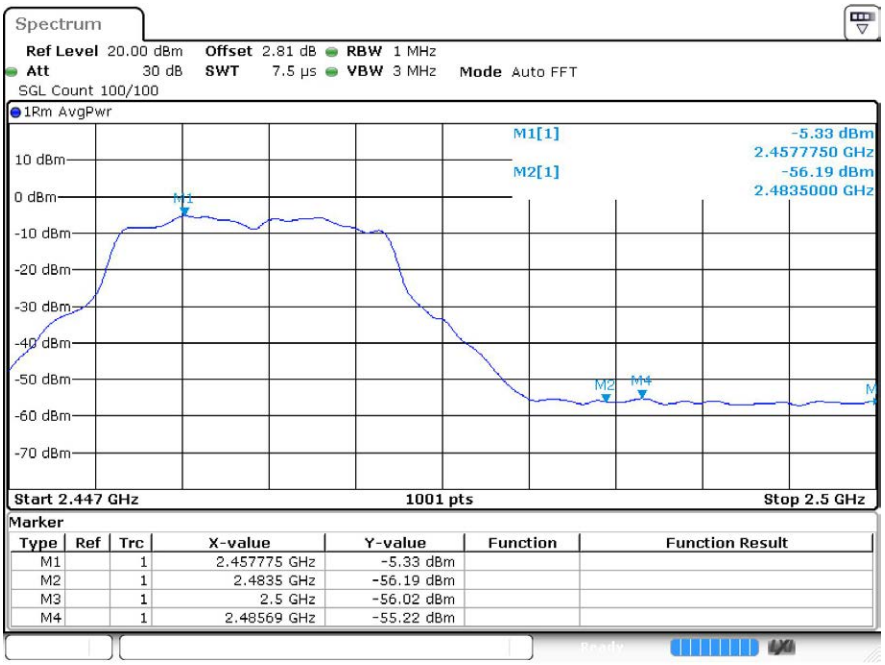


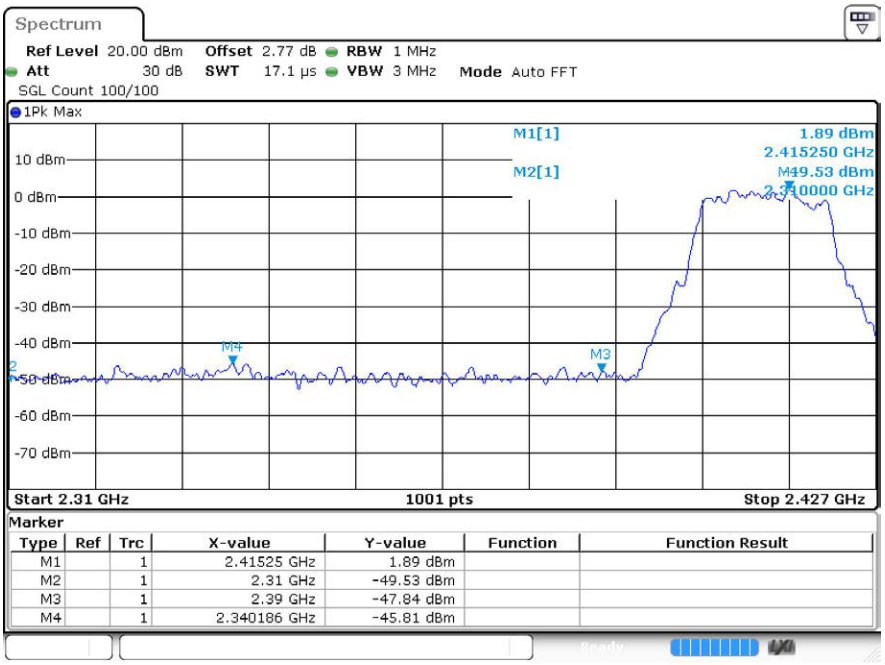
g 2462MHz Ant1 Peak



g 2462MHz Ant1 Average



n20 2412MHz Ant1 Peak



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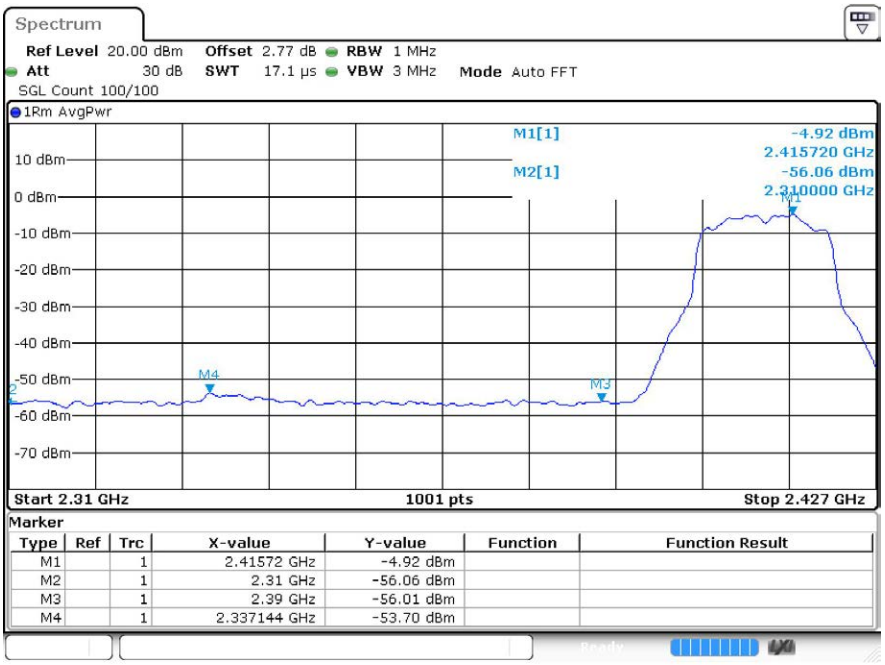
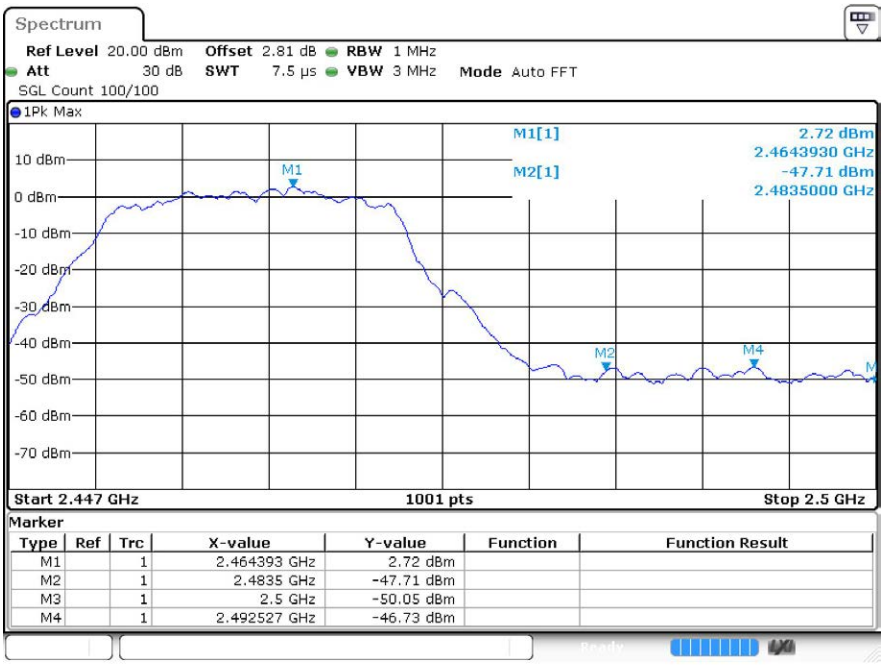


n20 2462MHz Ant1 Peak



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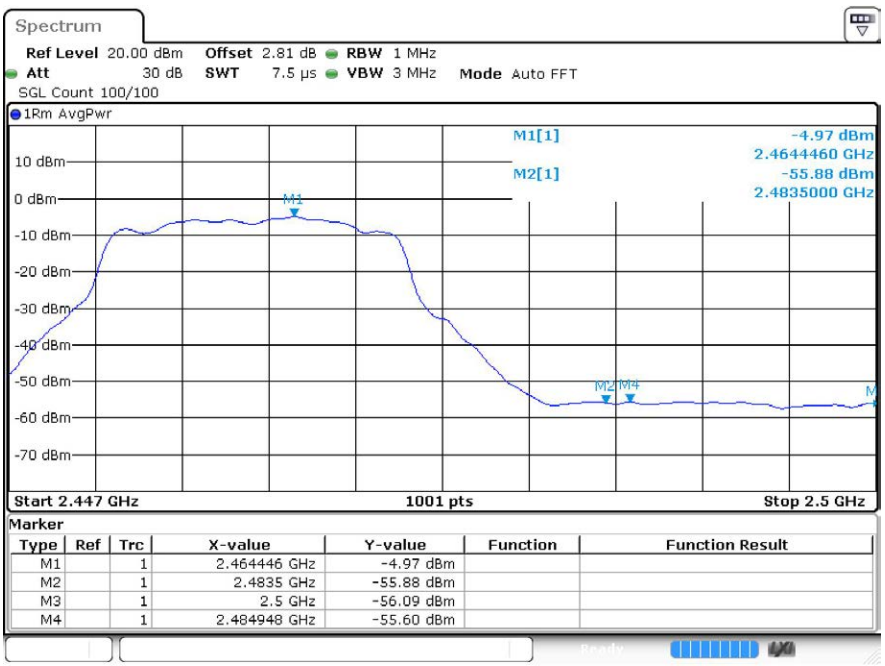
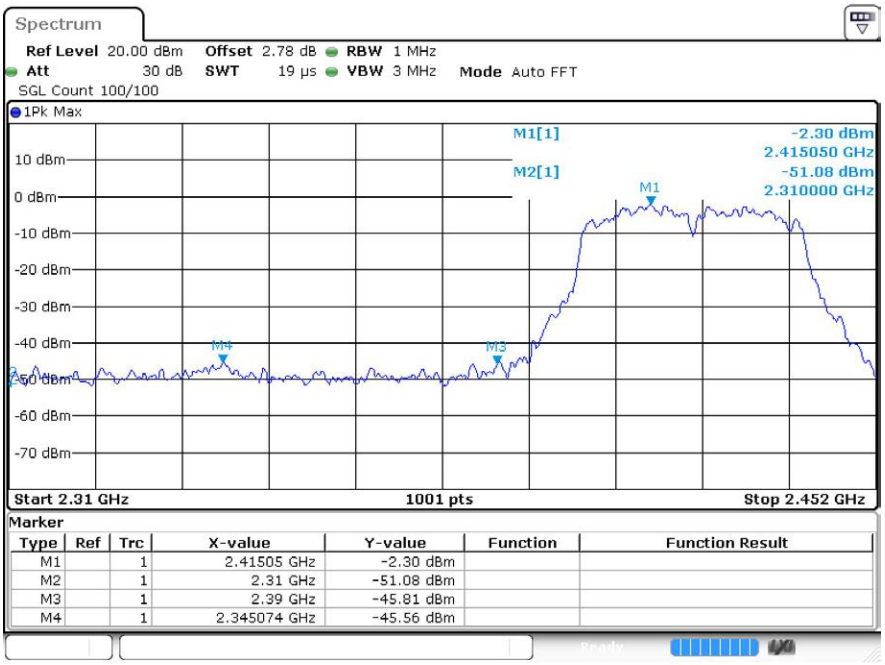
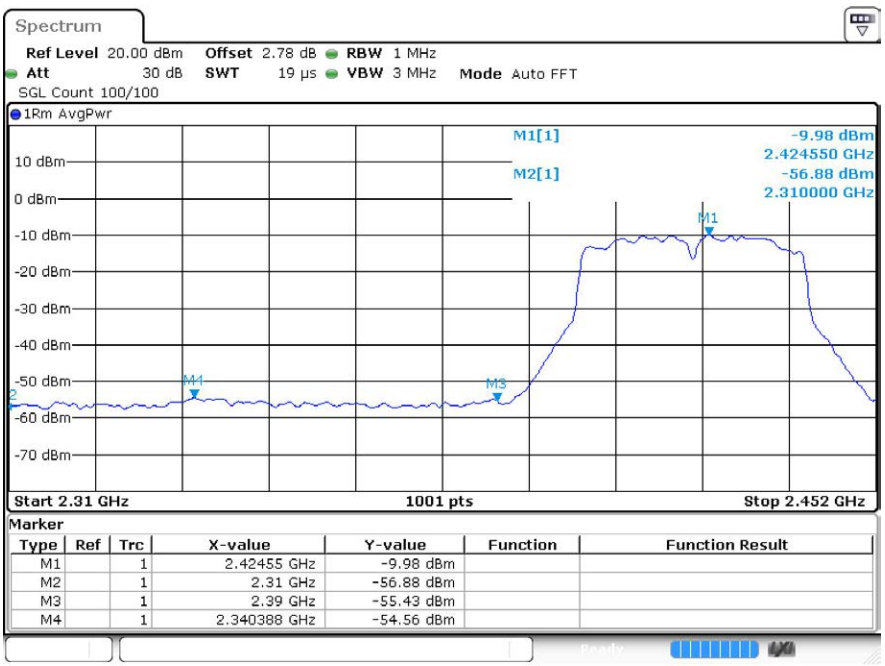


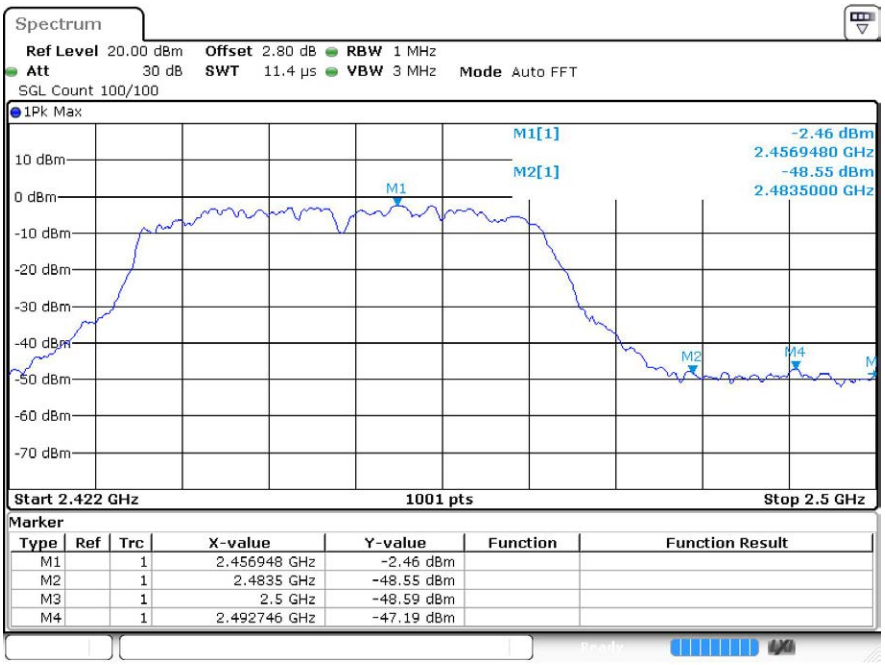
n40 2422MHz Ant1 Peak



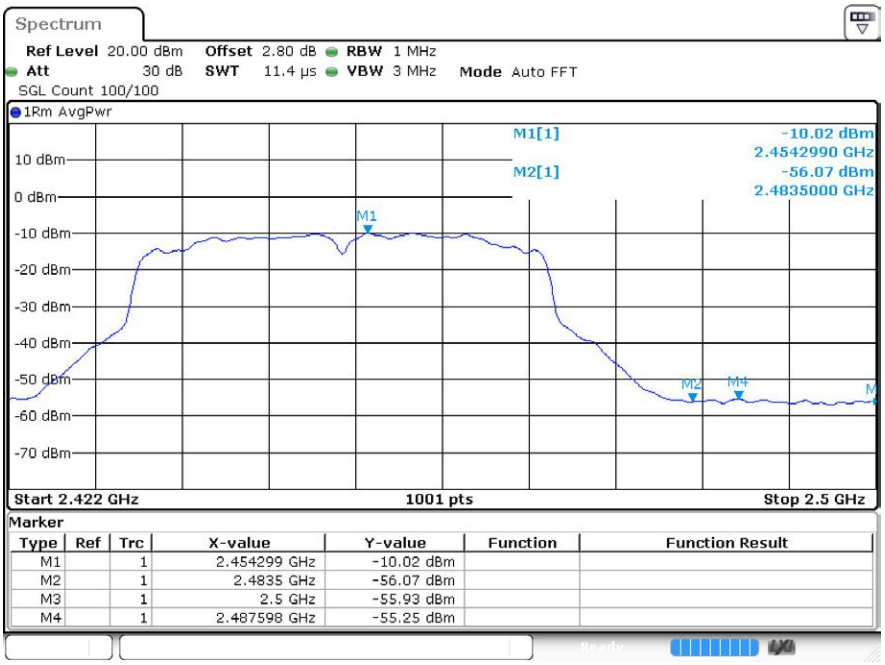
n40 2422MHz Ant1 Average



n40 2452MHz Ant1 Peak



n40 2452MHz Ant1 Average



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