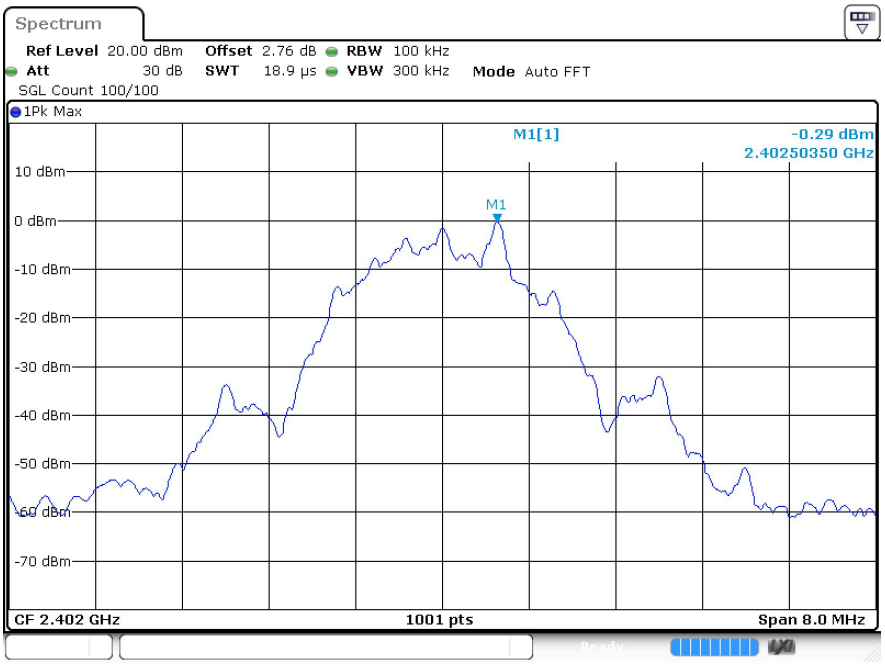
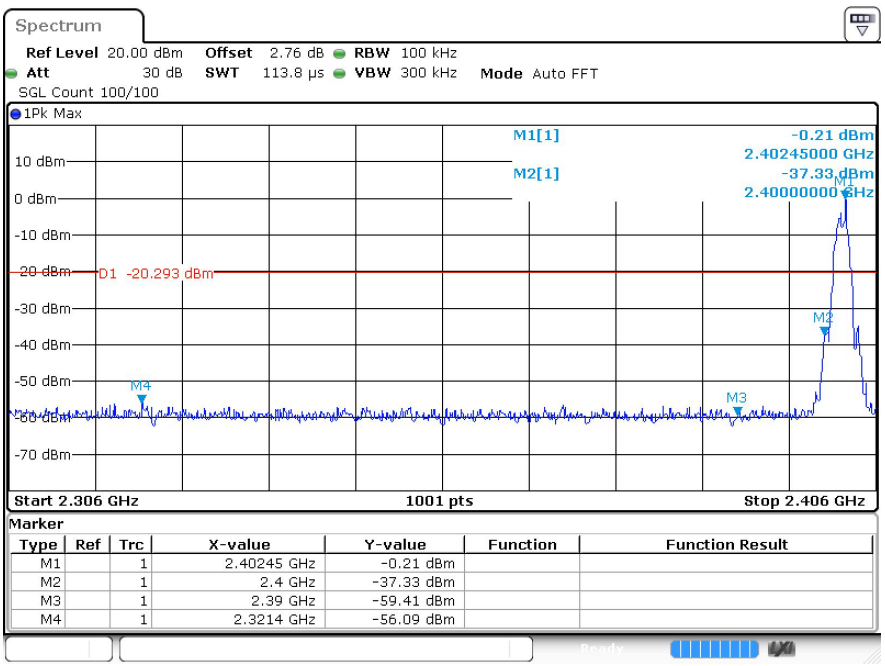
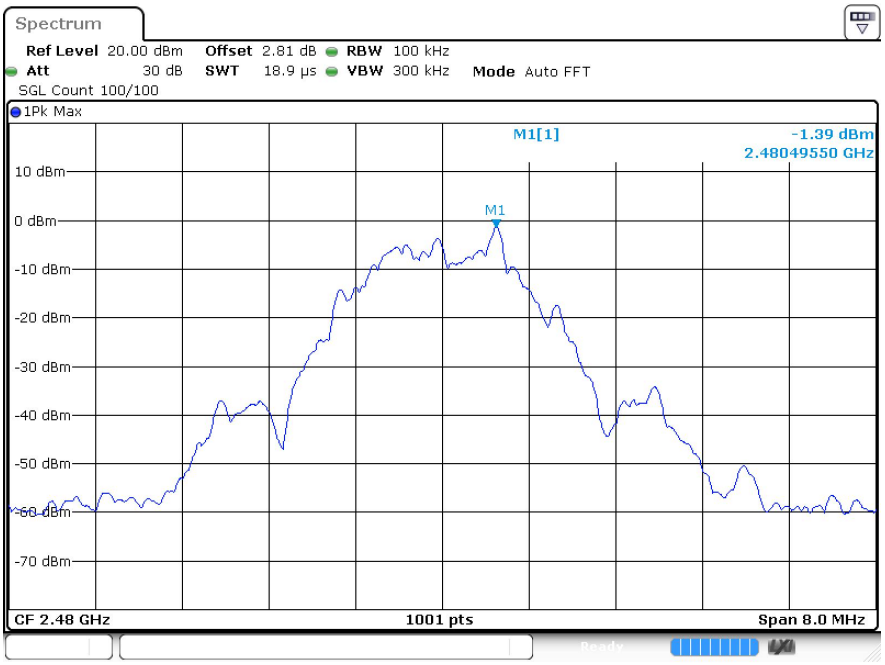
BLE 2M 2402MHz Ref



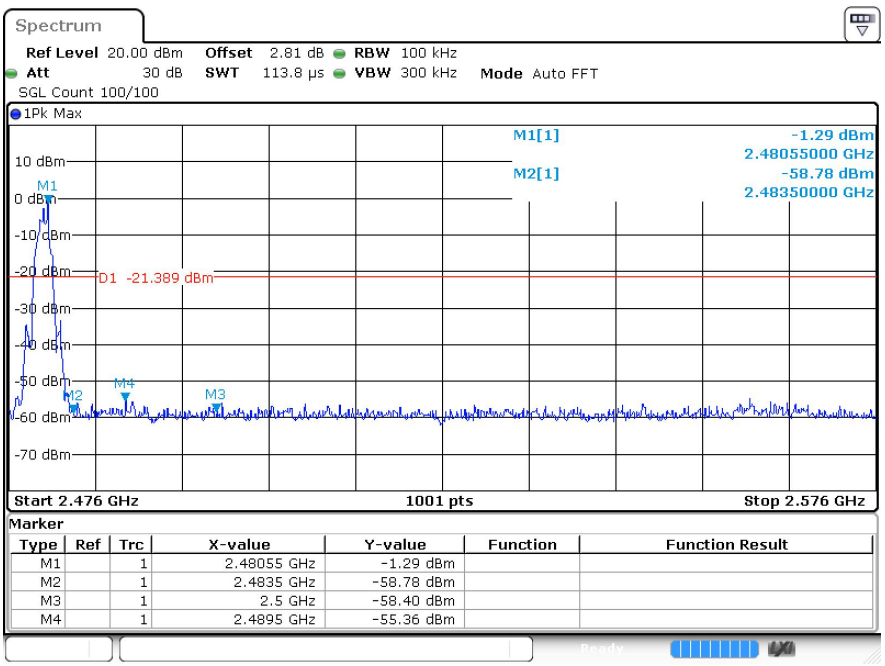
BLE 2M 2402MHz Emission



BLE 2M 2480MHz Ref



BLE 2M 2480MHz Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48055 GHz	-1.29 dBm		
M2		1	2.4835 GHz	-58.78 dBm		
M3		1	2.5 GHz	-58.40 dBm		
M4		1	2.4895 GHz	-55.36 dBm		

6 Conducted RF Spurious Emission

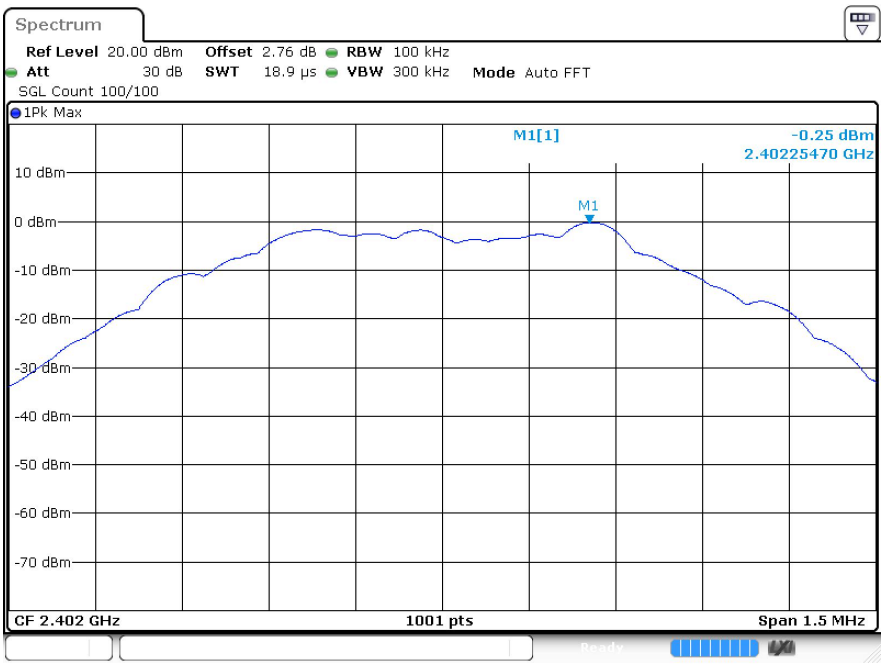
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.91	-20	Pass
BLE 1M	2440	-43.01	-20	Pass
BLE 1M	2480	-42.01	-20	Pass
BLE 2M	2402	-43.33	-20	Pass
BLE 2M	2440	-42.51	-20	Pass
BLE 2M	2480	-42.3	-20	Pass

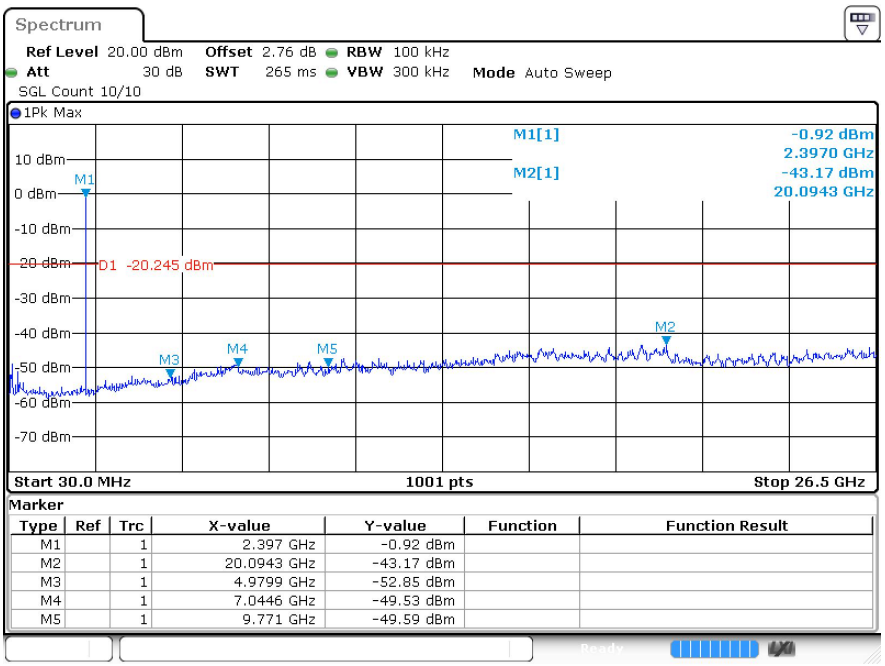
6.2 Test Graphs

Test Graphs

BLE 1M 2402MHz Ref



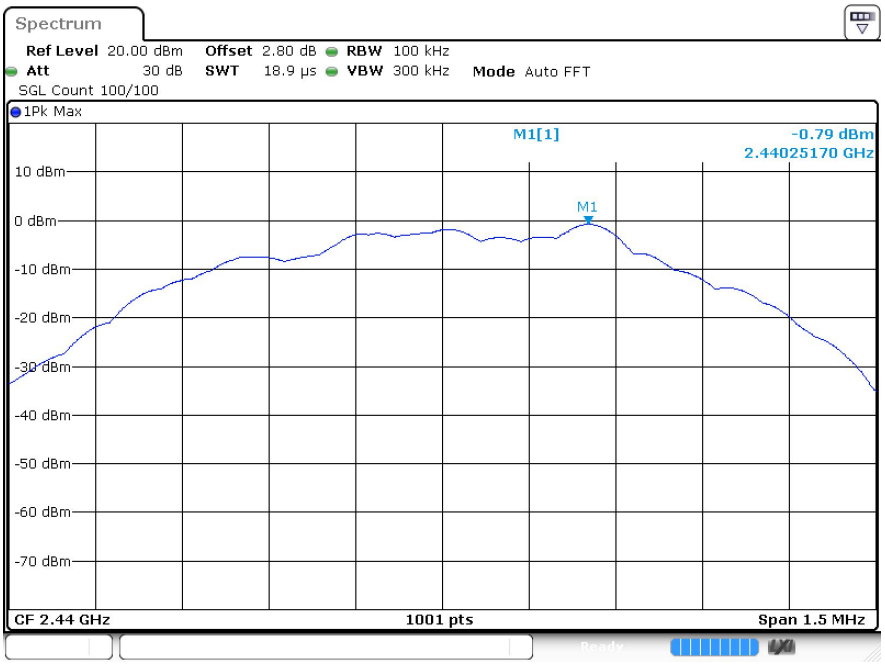
BLE 1M 2402MHz Emission



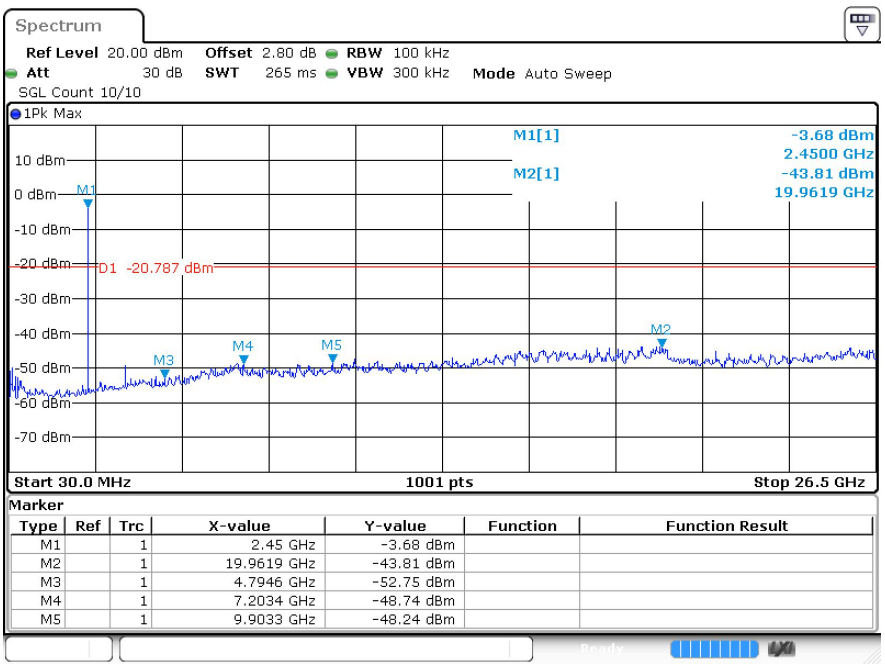
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-0.92 dBm		
M2		1	20.0943 GHz	-43.17 dBm		
M3		1	4.9799 GHz	-52.85 dBm		
M4		1	7.0446 GHz	-49.53 dBm		
M5		1	9.771 GHz	-49.59 dBm		

BLE 1M 2440MHz Ref



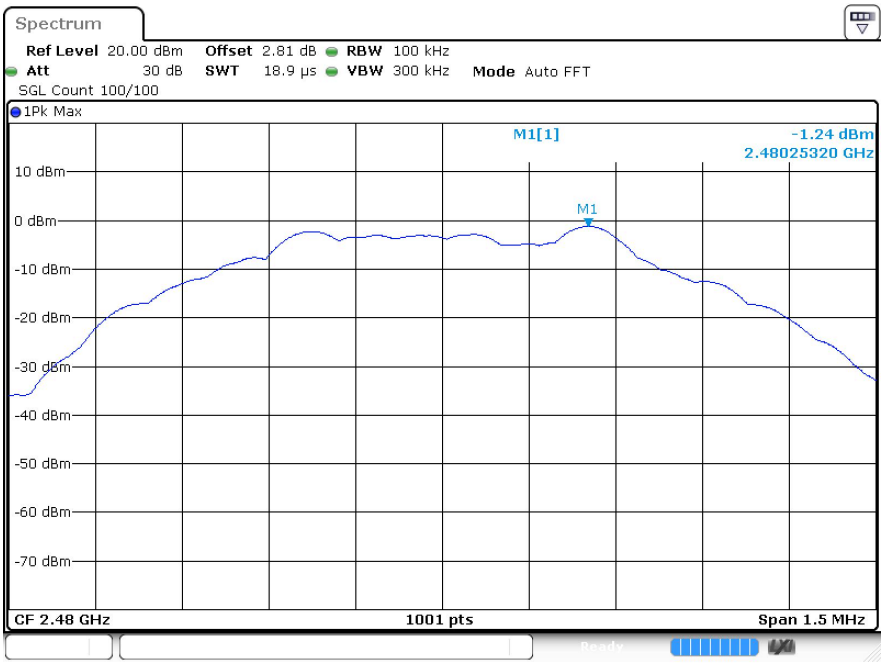
BLE 1M 2440MHz Emission



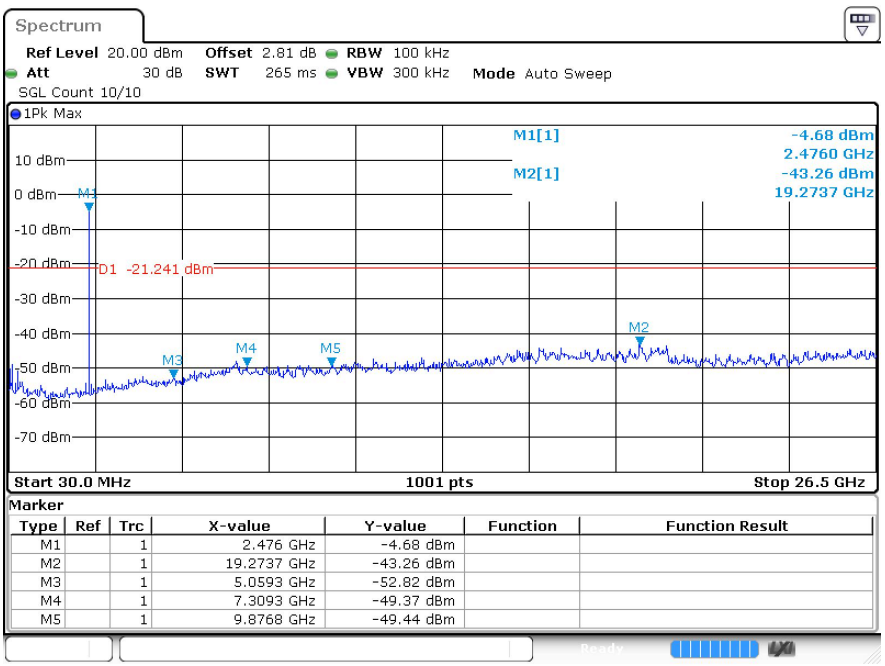
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.68 dBm		
M2		1	19.9619 GHz	-43.81 dBm		
M3		1	4.7946 GHz	-52.75 dBm		
M4		1	7.2034 GHz	-48.74 dBm		
M5		1	9.9033 GHz	-48.24 dBm		

BLE 1M 2480MHz Ref



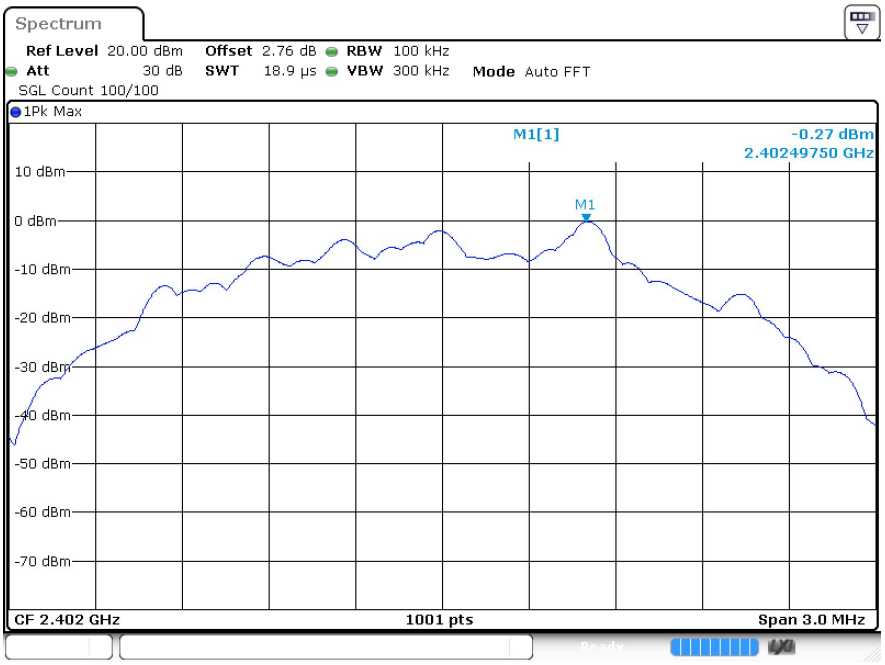
BLE 1M 2480MHz Emission



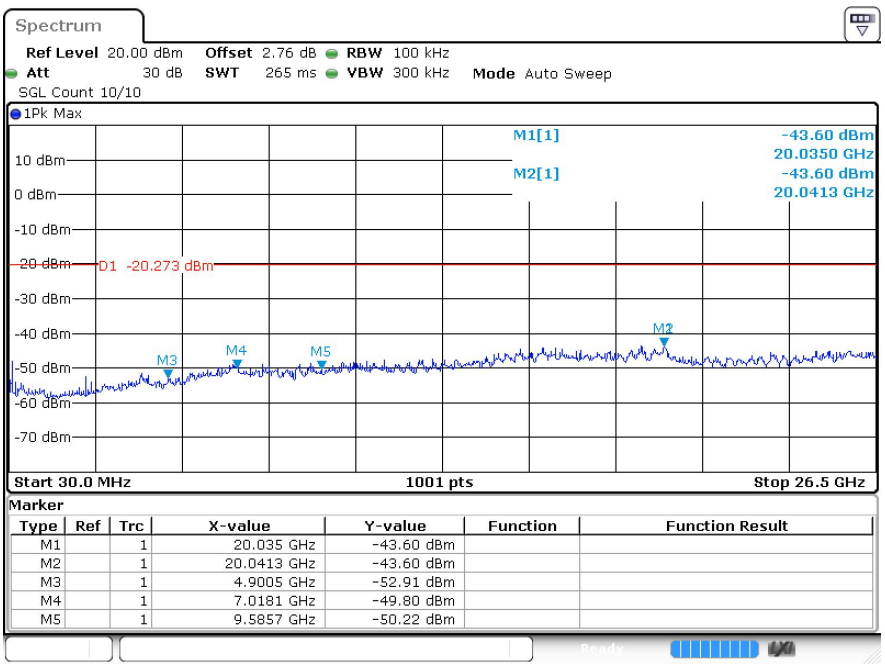
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-4.68 dBm		
M2		1	19.2737 GHz	-43.26 dBm		
M3		1	5.0593 GHz	-52.82 dBm		
M4		1	7.3093 GHz	-49.37 dBm		
M5		1	9.8768 GHz	-49.44 dBm		

BLE 2M 2402MHz Ref



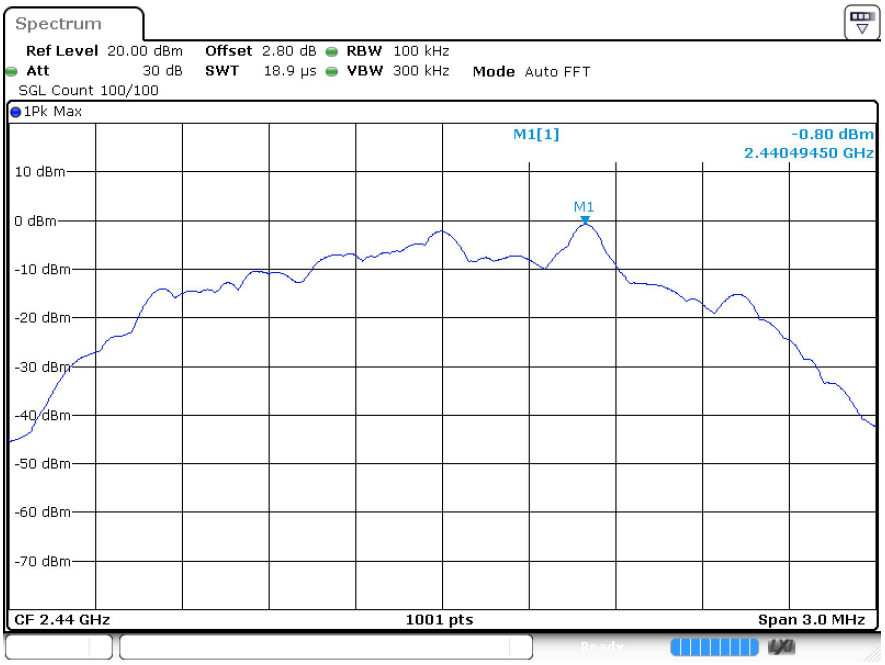
BLE 2M 2402MHz Emission



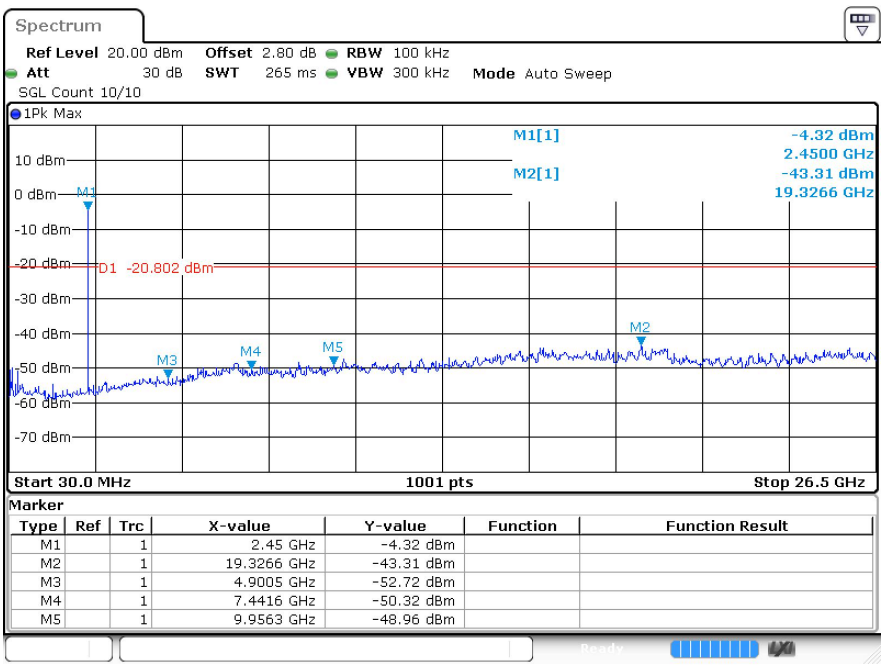
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	20.035 GHz	-43.60 dBm		
M2		1	20.0413 GHz	-43.60 dBm		
M3		1	4.9005 GHz	-52.91 dBm		
M4		1	7.0181 GHz	-49.80 dBm		
M5		1	9.5857 GHz	-50.22 dBm		

BLE 2M 2440MHz Ref



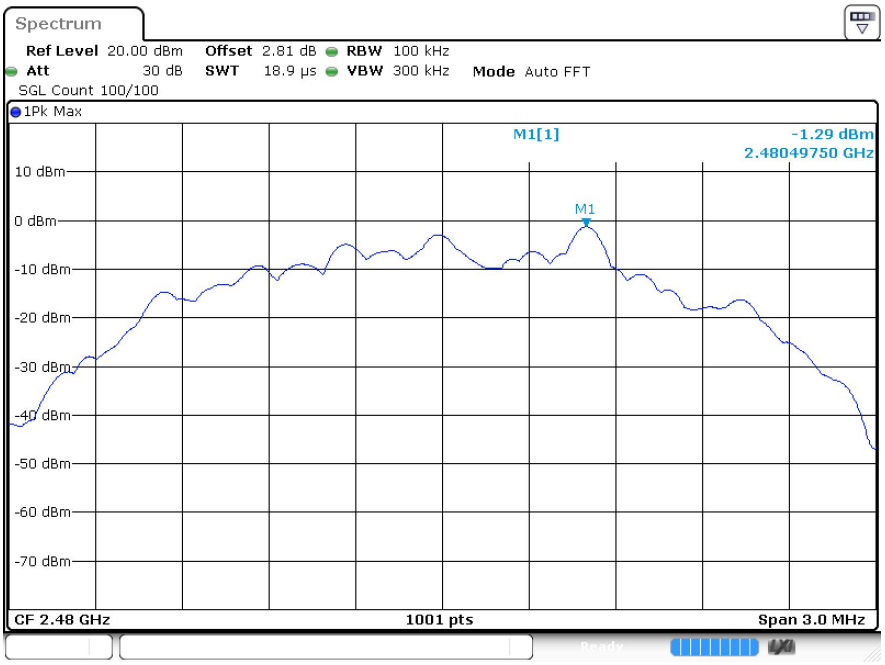
BLE 2M 2440MHz Emission



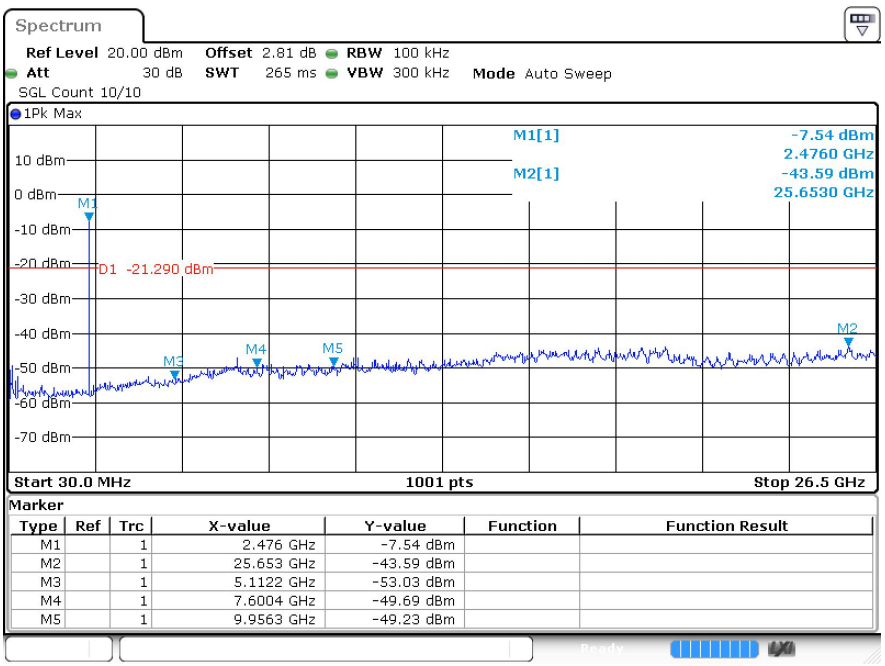
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-4.32 dBm		
M2		1	19.3266 GHz	-43.31 dBm		
M3		1	4.9005 GHz	-52.72 dBm		
M4		1	7.4416 GHz	-50.32 dBm		
M5		1	9.9563 GHz	-48.96 dBm		

BLE 2M 2480MHz Ref



BLE 2M 2480MHz Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-7.54 dBm		
M2		1	25.653 GHz	-43.59 dBm		
M3		1	5.1122 GHz	-53.03 dBm		
M4		1	7.6004 GHz	-49.69 dBm		
M5		1	9.9563 GHz	-49.23 dBm		

7 Restrict Band

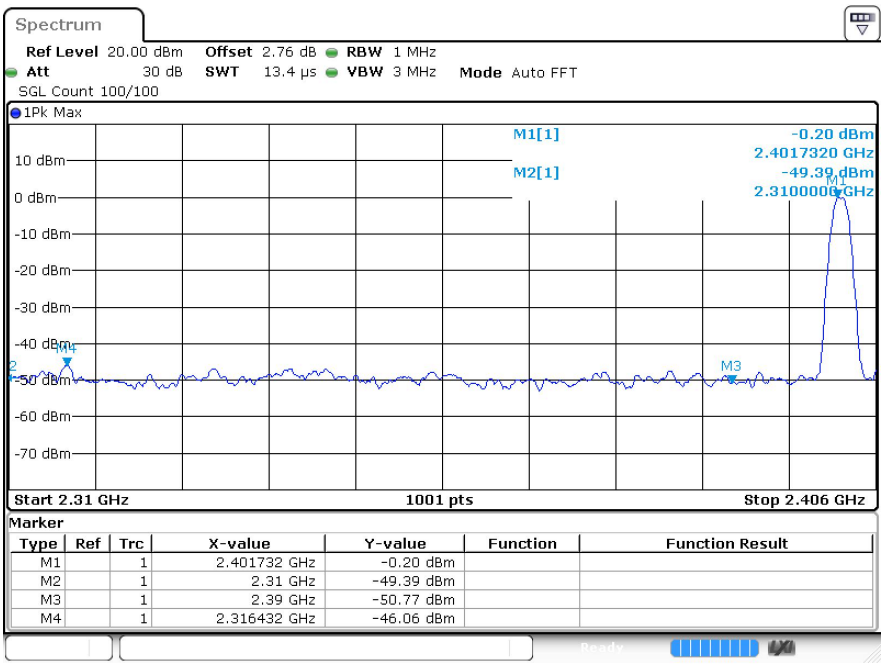
7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-49.39	2	-	47.87	Peak	74	Pass
BLE 1M	2402	2310	-57.54	2	3.49	43.21	Average	54	Pass
BLE 1M	2402	2316.432	-46.05	2	-	51.21	Peak	74	Pass
BLE 1M	2402	2339.664	-55.05	2	3.49	45.7	Average	54	Pass
BLE 1M	2402	2390	-50.77	2	-	46.49	Peak	74	Pass
BLE 1M	2402	2390	-56.93	2	3.49	43.82	Average	54	Pass
BLE 1M	2480	2483.5	-49.47	2	-	47.79	Peak	74	Pass
BLE 1M	2480	2483.5	-55.73	2	3.57	45.1	Average	54	Pass
BLE 1M	2480	2494.36	-46.27	2	-	50.99	Peak	74	Pass
BLE 1M	2480	2483.512	-55.75	2	3.57	45.08	Average	54	Pass
BLE 1M	2480	2500	-49.6	2	-	47.66	Peak	74	Pass
BLE 1M	2480	2500	-56.97	2	3.57	43.86	Average	54	Pass
BLE 2M	2402	2310	-49.11	2	-	48.15	Peak	74	Pass
BLE 2M	2402	2310	-56.77	2	5.78	46.27	Average	54	Pass
BLE 2M	2402	2339.088	-45.4	2	-	51.86	Peak	74	Pass
BLE 2M	2402	2338.128	-54.53	2	5.78	48.51	Average	54	Pass
BLE 2M	2402	2390	-50.36	2	-	46.9	Peak	74	Pass
BLE 2M	2402	2390	-57.4	2	5.78	45.64	Average	54	Pass
BLE 2M	2480	2483.5	-46.69	2	-	50.57	Peak	74	Pass
BLE 2M	2480	2483.5	-55.81	2	5.65	47.1	Average	54	Pass
BLE 2M	2480	2483.68	-46.44	2	-	50.82	Peak	74	Pass
BLE 2M	2480	2483.512	-55.82	2	5.65	47.09	Average	54	Pass
BLE 2M	2480	2500	-50.8	2	-	46.46	Peak	74	Pass
BLE 2M	2480	2500	-56.83	2	5.65	46.08	Average	54	Pass

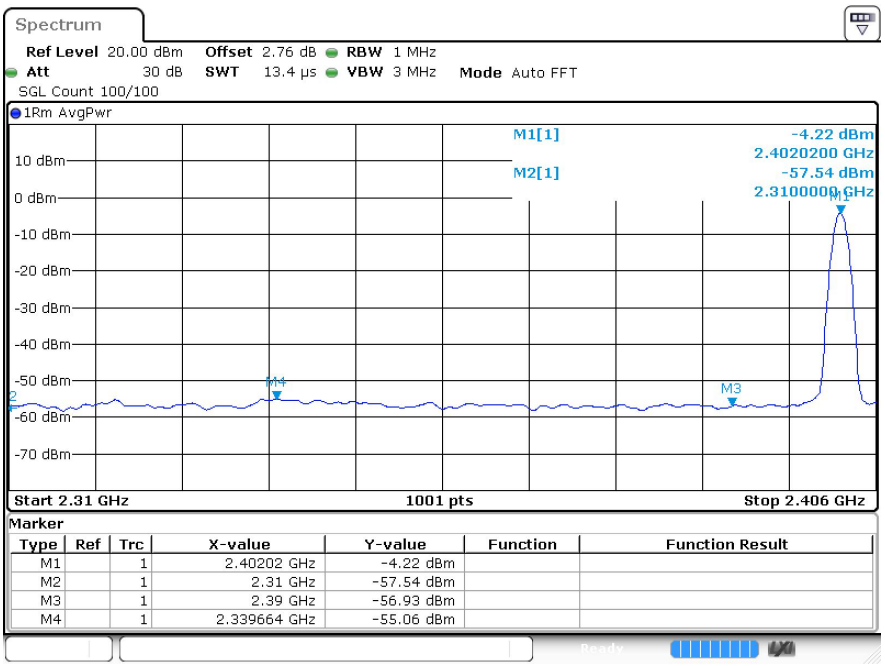
7.2 Test Graphs

Test Graphs

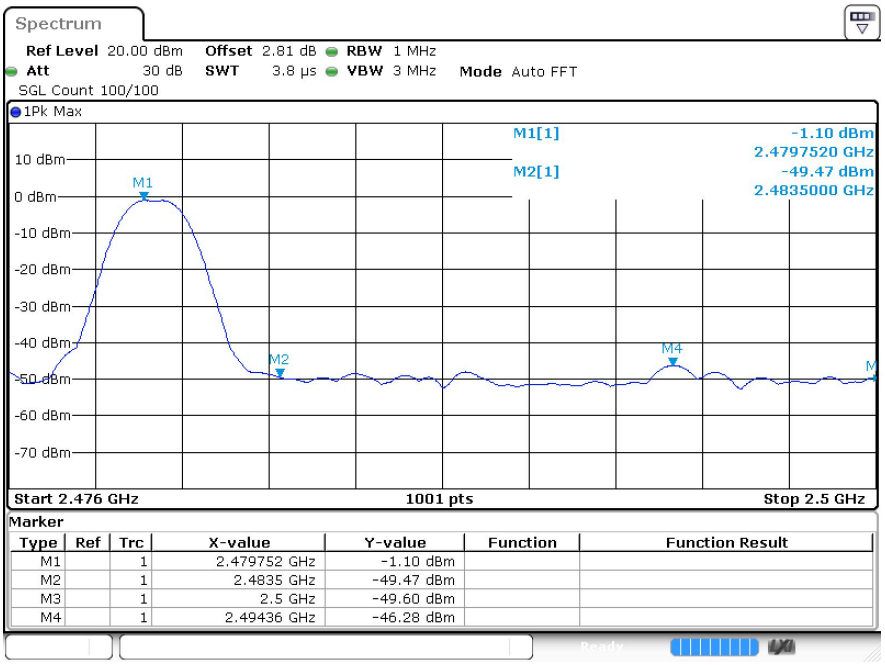
BLE 1M 2402MHz Peak



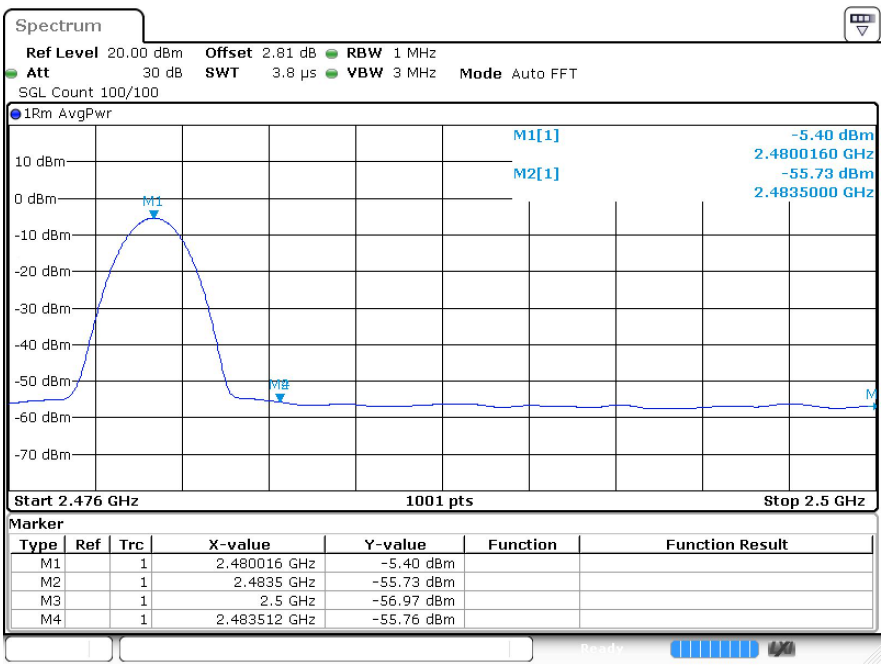
BLE 1M 2402MHz Average



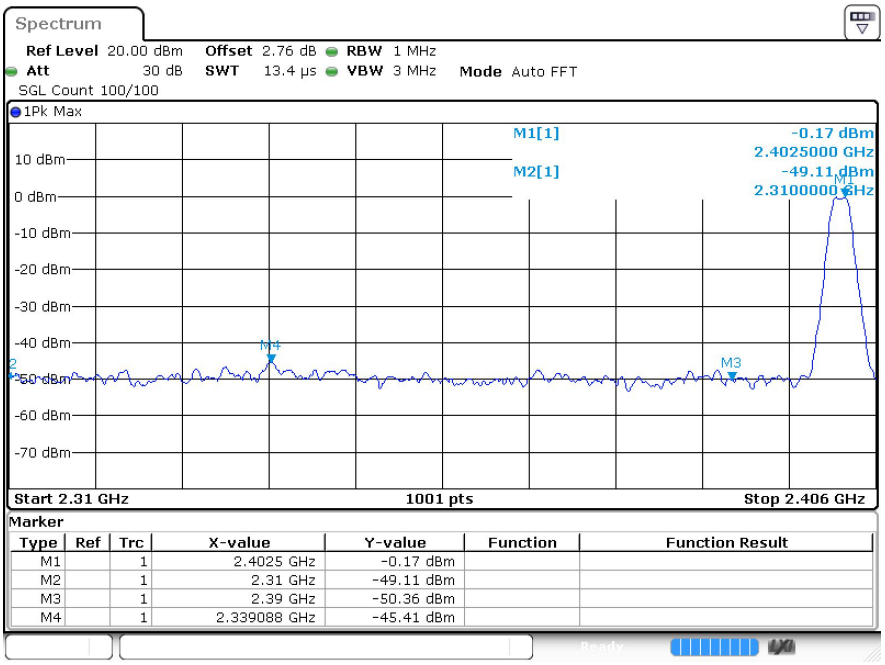
BLE 1M 2480MHz Peak



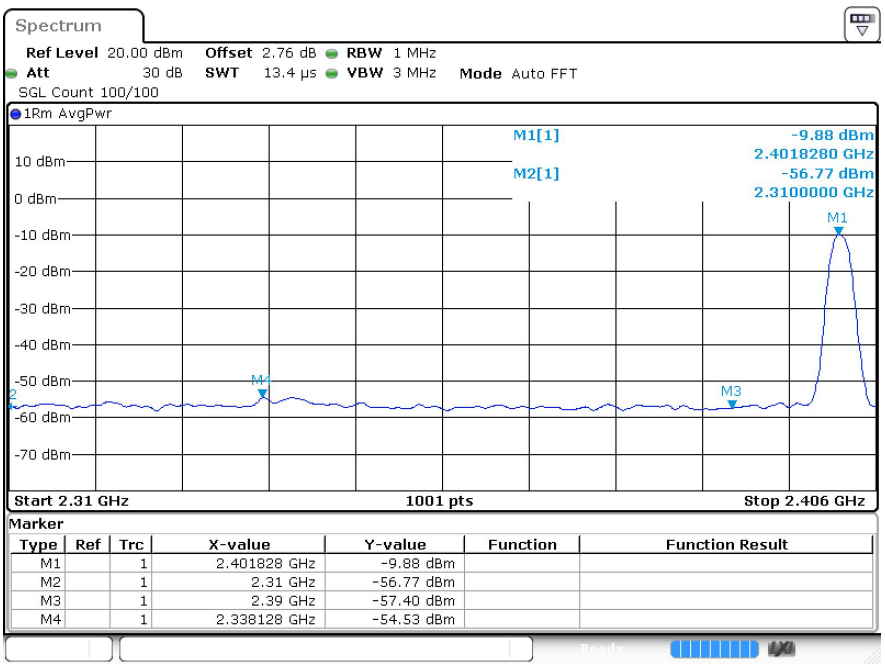
BLE 1M 2480MHz Average



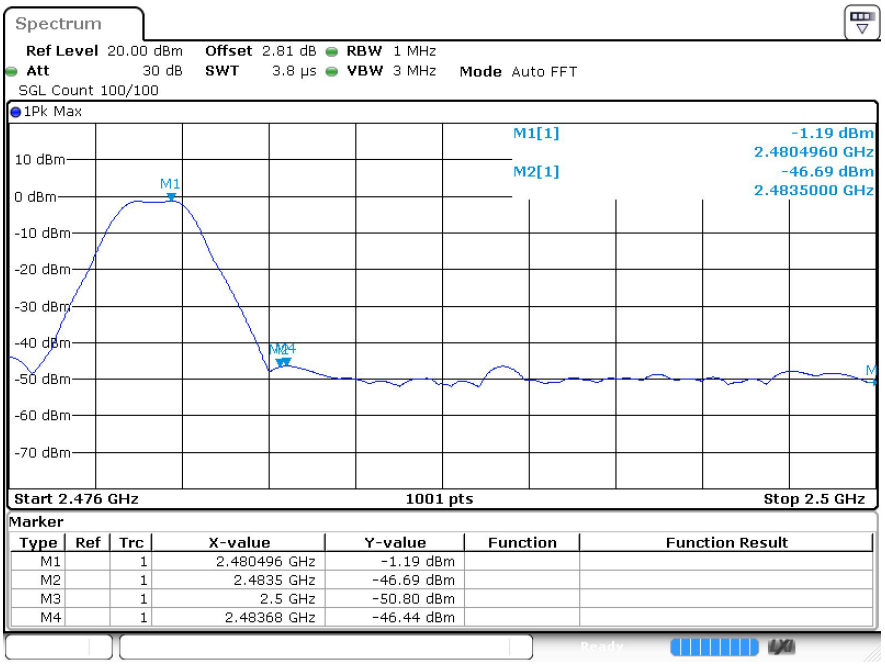
BLE 2M 2402MHz Peak



BLE 2M 2402MHz Average



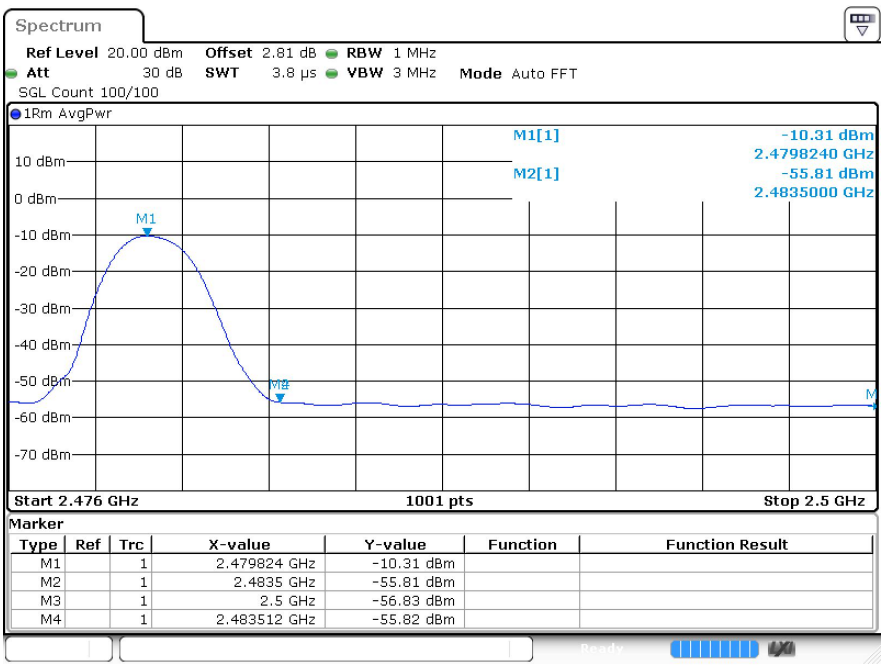
BLE 2M 2480MHz Peak



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.480496 GHz	-1.19 dBm		
M2		1	2.4835 GHz	-46.69 dBm		
M3		1	2.5 GHz	-50.80 dBm		
M4		1	2.48368 GHz	-46.44 dBm		

BLE 2M 2480MHz Average



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.479824 GHz	-10.31 dBm		
M2		1	2.4835 GHz	-55.81 dBm		
M3		1	2.5 GHz	-56.83 dBm		
M4		1	2.483512 GHz	-55.82 dBm		

---The End---