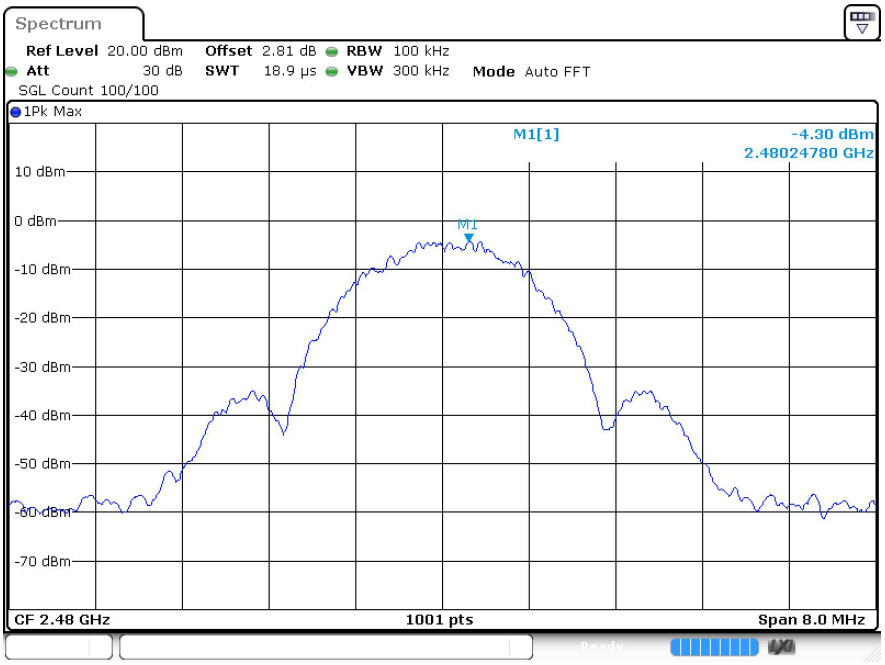
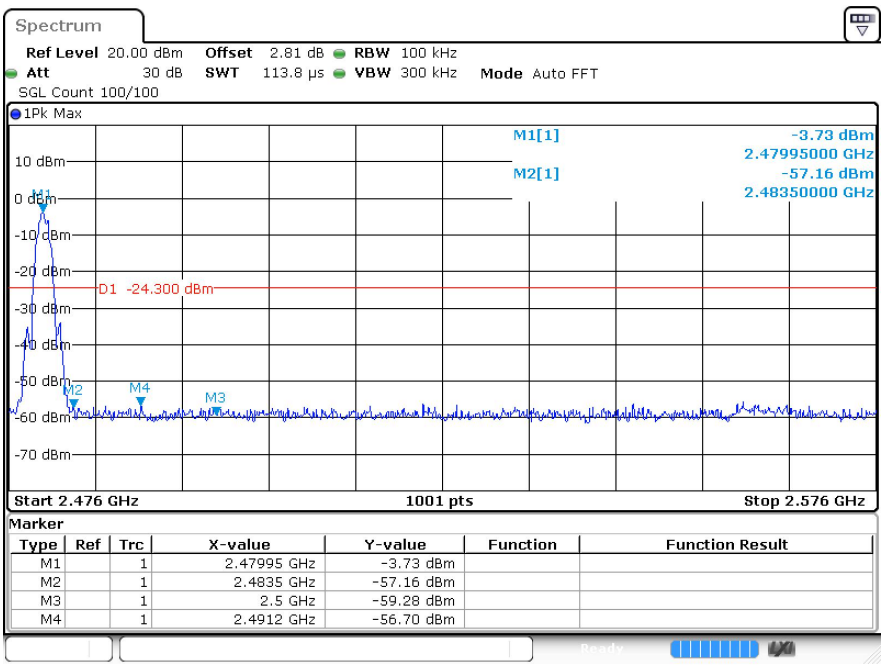
BLE 2M 2480MHz Ref



BLE 2M 2480MHz Emission



6 Conducted RF Spurious Emission

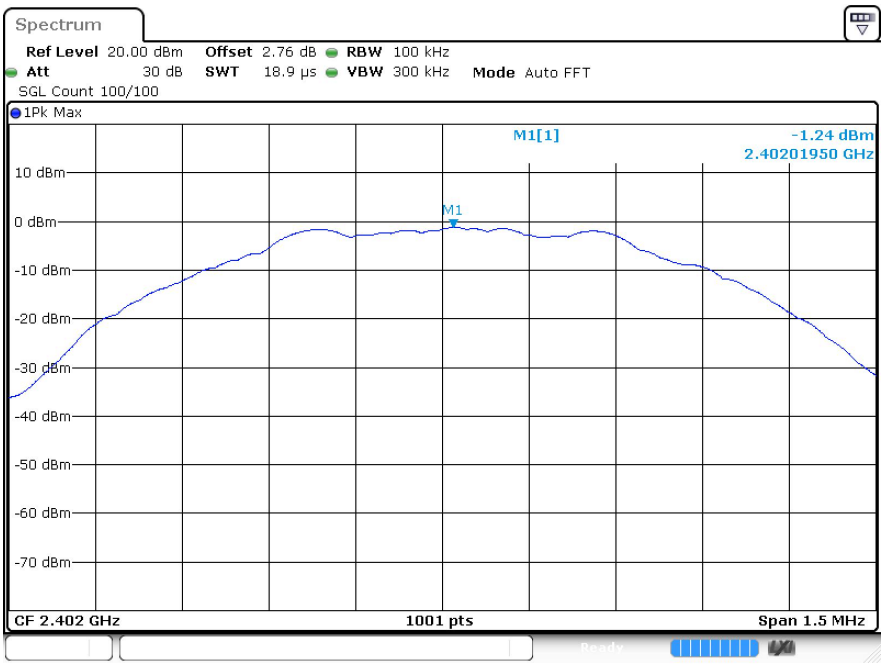
6.1 Test Result

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.14	-20	Pass
BLE 1M	2440	-42.62	-20	Pass
BLE 1M	2480	-41.44	-20	Pass
BLE 2M	2402	-40.63	-20	Pass
BLE 2M	2440	-39.86	-20	Pass
BLE 2M	2480	-38.8	-20	Pass

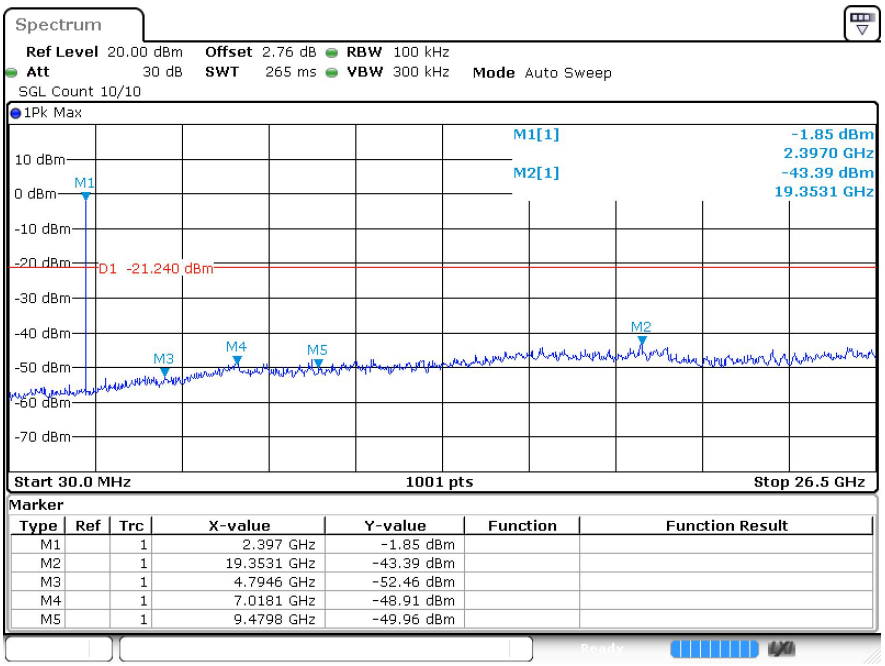
6.2 Test Graphs

Test Graphs

BLE 1M 2402MHz Ref



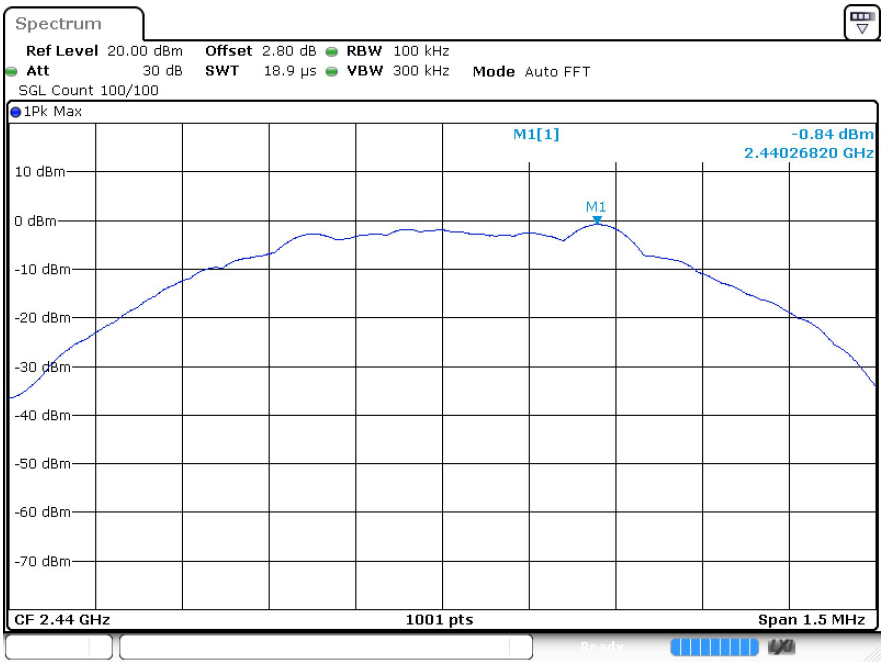
BLE 1M 2402MHz Emission



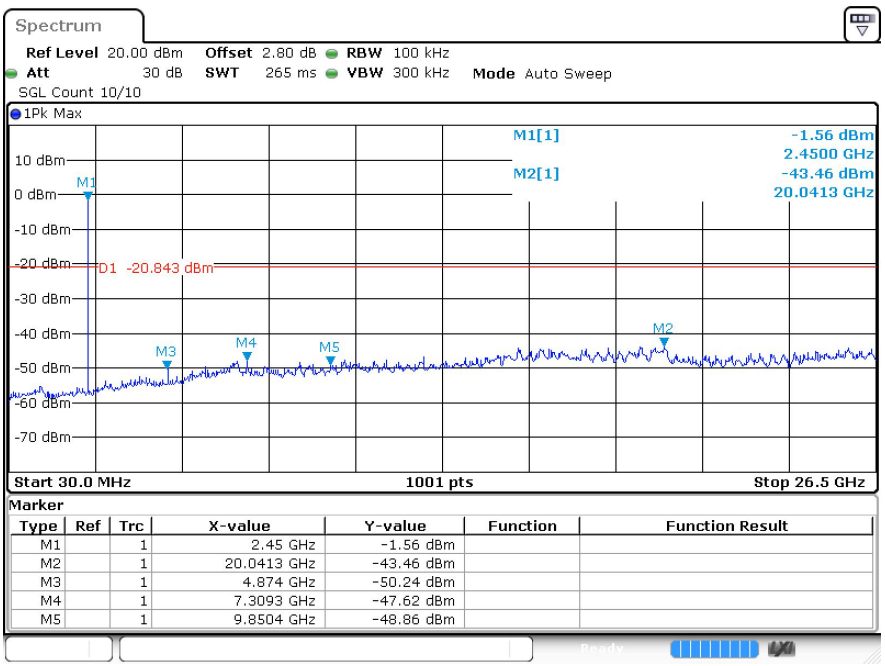
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-1.85 dBm		
M2		1	19.3531 GHz	-43.39 dBm		
M3		1	4.7946 GHz	-52.46 dBm		
M4		1	7.0181 GHz	-48.91 dBm		
M5		1	9.4798 GHz	-49.96 dBm		

BLE 1M 2440MHz Ref



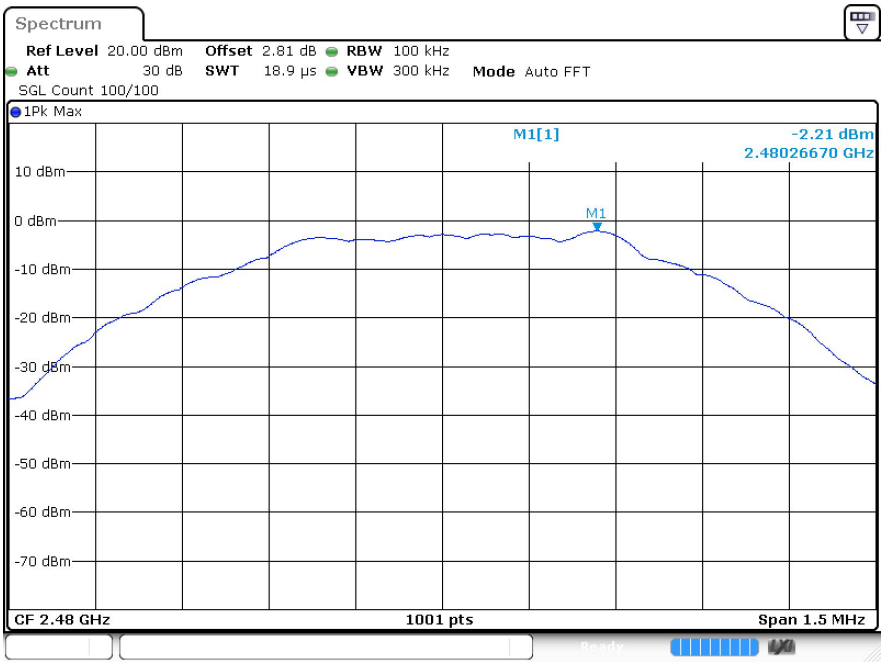
BLE 1M 2440MHz Emission



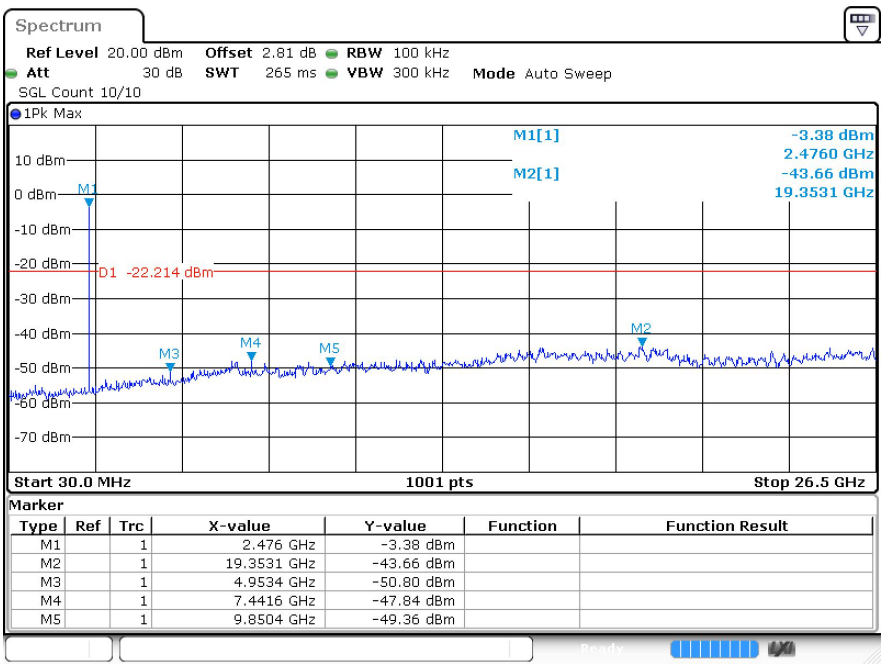
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-1.56 dBm		
M2		1	20.0413 GHz	-43.46 dBm		
M3		1	4.874 GHz	-50.24 dBm		
M4		1	7.3093 GHz	-47.62 dBm		
M5		1	9.8504 GHz	-48.86 dBm		

BLE 1M 2480MHz Ref



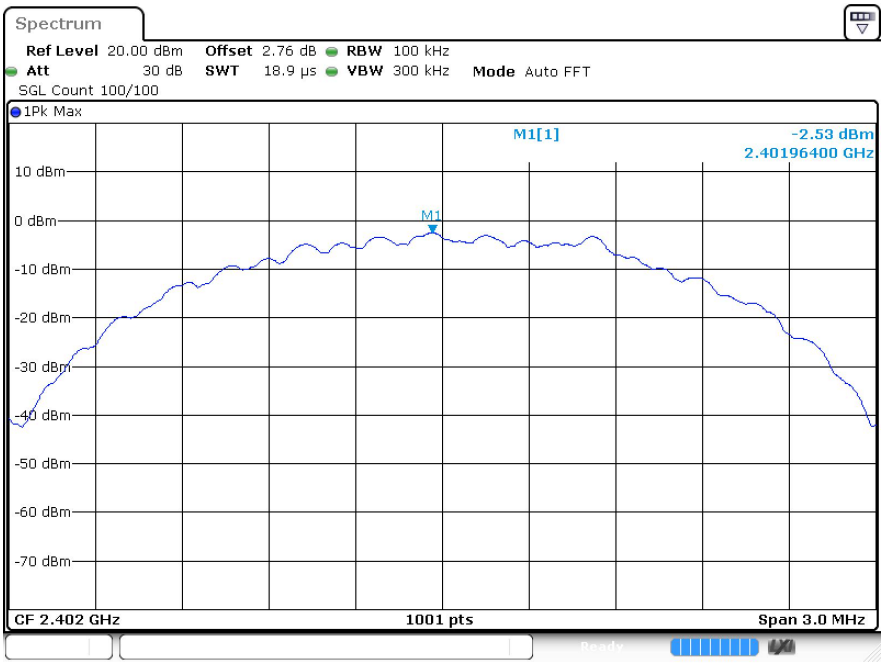
BLE 1M 2480MHz Emission



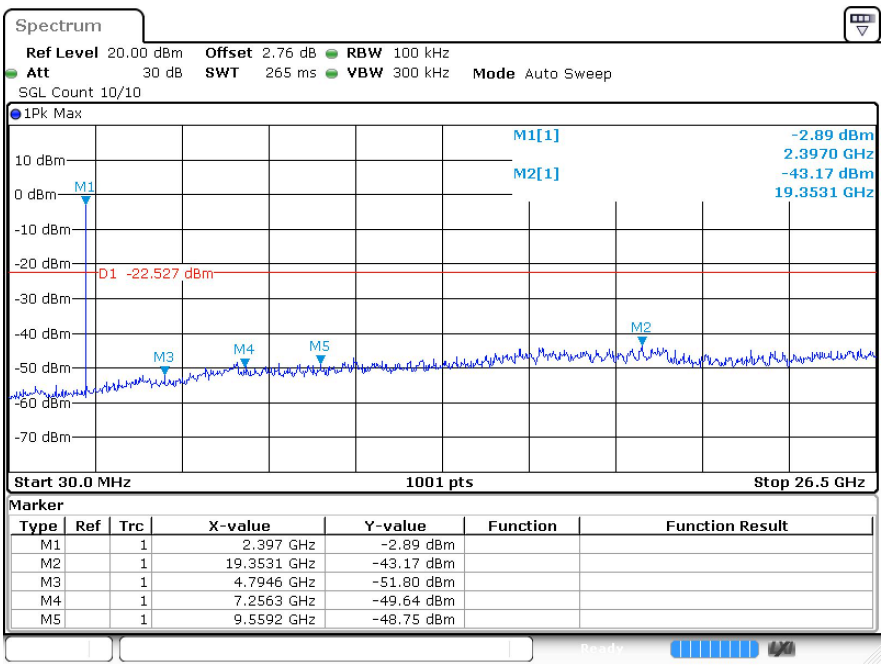
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.476 GHz	-3.38 dBm		
M2		1	19.3531 GHz	-43.66 dBm		
M3		1	4.9534 GHz	-50.80 dBm		
M4		1	7.4416 GHz	-47.84 dBm		
M5		1	9.8504 GHz	-49.36 dBm		

BLE 2M 2402MHz Ref



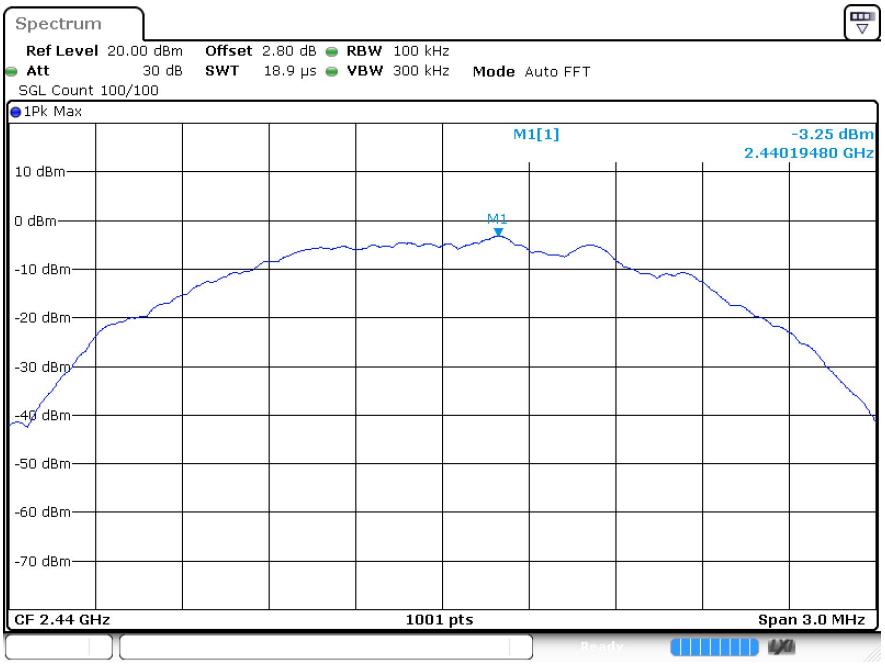
BLE 2M 2402MHz Emission



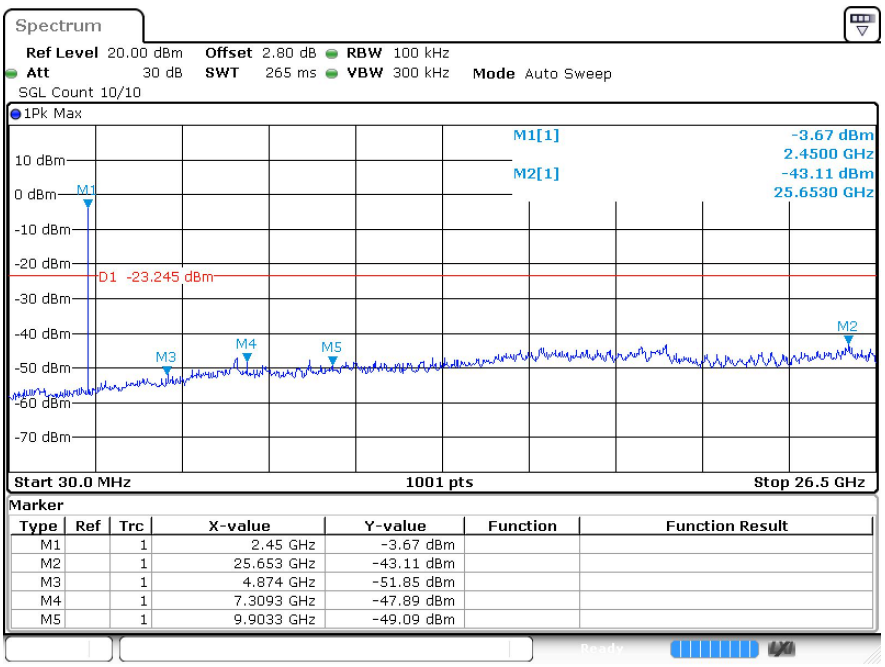
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.397 GHz	-2.89 dBm		
M2		1	19.3531 GHz	-43.17 dBm		
M3		1	4.7946 GHz	-51.80 dBm		
M4		1	7.2563 GHz	-49.64 dBm		
M5		1	9.5592 GHz	-48.75 dBm		

BLE 2M 2440MHz Ref



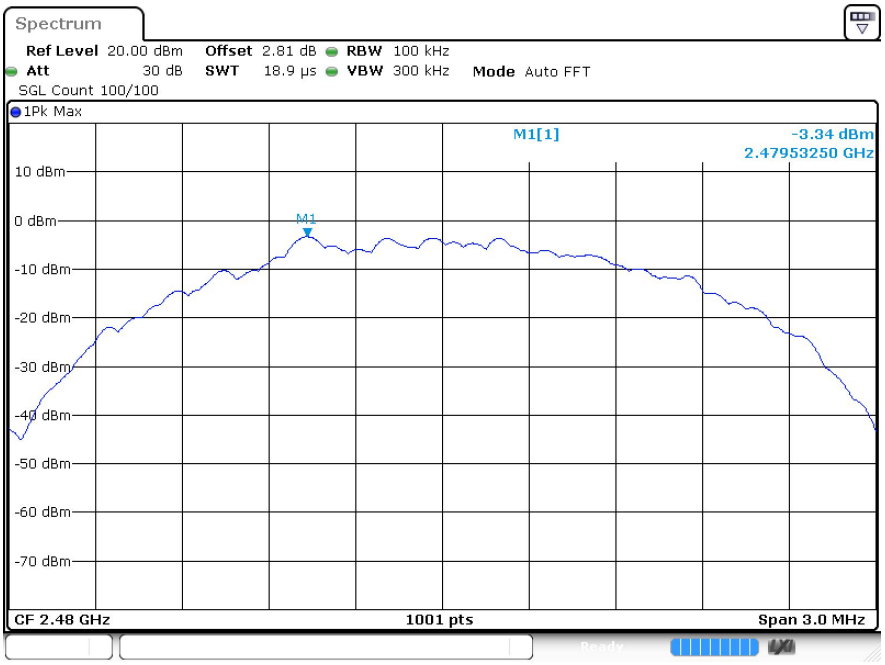
BLE 2M 2440MHz Emission



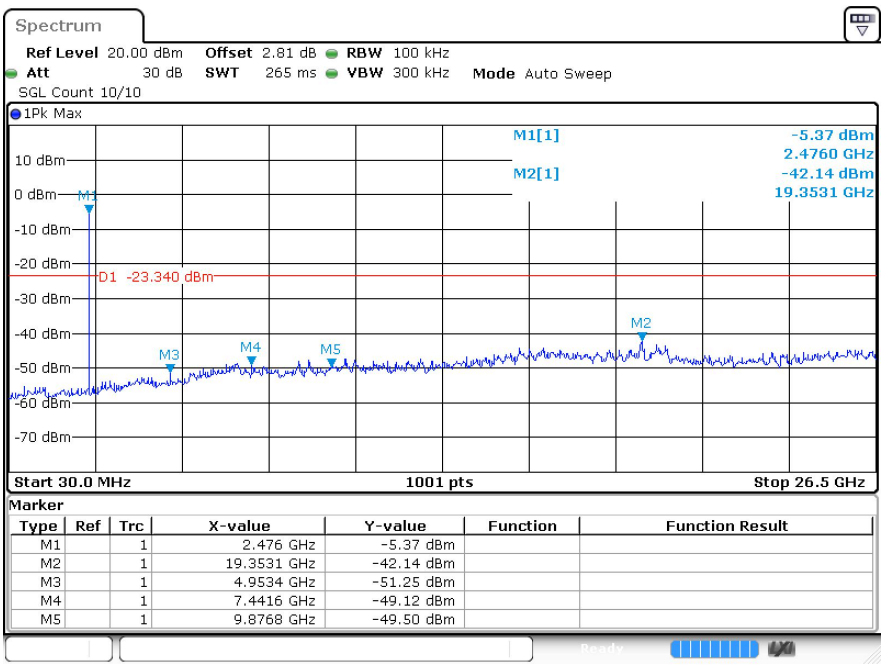
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.45 GHz	-3.67 dBm		
M2		1	25.653 GHz	-43.11 dBm		
M3		1	4.874 GHz	-51.85 dBm		
M4		1	7.3093 GHz	-47.89 dBm		
M5		1	9.9033 GHz	-49.09 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	-5.37 dBm		
M2		1	19.3531 GHz	-42.14 dBm		
M3		1	4.9534 GHz	-51.25 dBm		
M4		1	7.4416 GHz	-49.12 dBm		
M5		1	9.8768 GHz	-49.50 dBm		

7 Restrict Band

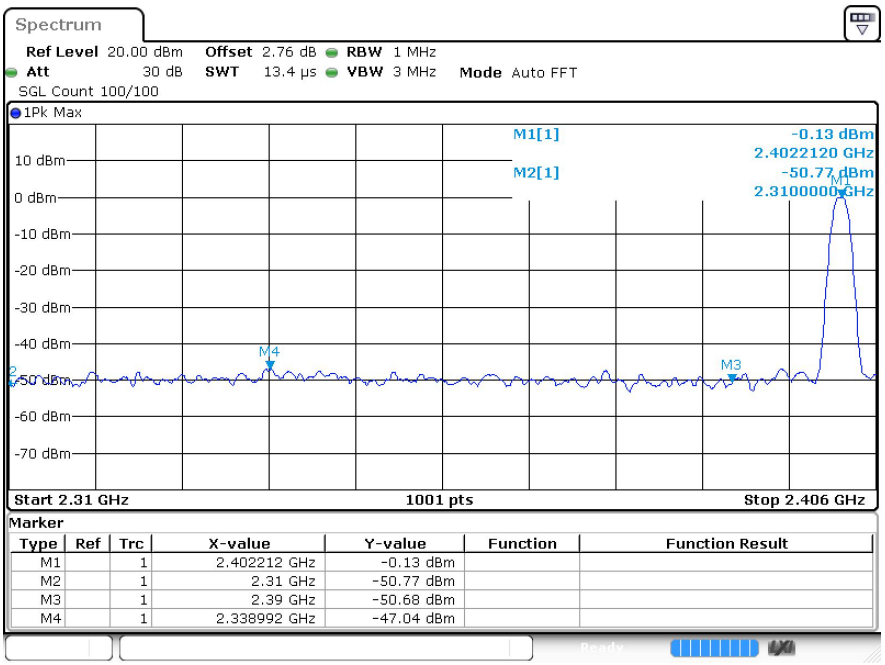
7.1 Test Result

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
BLE 1M	2402	2310	-50.77	2	-	46.49	Peak	74	Pass
BLE 1M	2402	2310	-57	2	0	40.26	Average	54	Pass
BLE 1M	2402	2338.992	-47.03	2	-	50.23	Peak	74	Pass
BLE 1M	2402	2339.376	-54.6	2	0	42.66	Average	54	Pass
BLE 1M	2402	2390	-50.68	2	-	46.58	Peak	74	Pass
BLE 1M	2402	2390	-57.19	2	0	40.07	Average	54	Pass
BLE 1M	2480	2483.5	-49.76	2	-	47.5	Peak	74	Pass
BLE 1M	2480	2483.5	-56.86	2	0	40.4	Average	54	Pass
BLE 1M	2480	2490.376	-46.62	2	-	50.64	Peak	74	Pass
BLE 1M	2480	2489.752	-55.36	2	0	41.9	Average	54	Pass
BLE 1M	2480	2500	-51.06	2	-	46.2	Peak	74	Pass
BLE 1M	2480	2500	-56.51	2	0	40.75	Average	54	Pass
BLE 2M	2402	2310	-50.09	2	-	47.17	Peak	74	Pass
BLE 2M	2402	2310	-56.3	2	0	40.96	Average	54	Pass
BLE 2M	2402	2317.2	-45.48	2	-	51.78	Peak	74	Pass
BLE 2M	2402	2339.76	-54.58	2	0	42.68	Average	54	Pass
BLE 2M	2402	2390	-48.46	2	-	48.8	Peak	74	Pass
BLE 2M	2402	2390	-57.16	2	0	40.1	Average	54	Pass
BLE 2M	2480	2483.5	-48.93	2	-	48.33	Peak	74	Pass
BLE 2M	2480	2483.5	-55.96	2	0	41.3	Average	54	Pass
BLE 2M	2480	2492.992	-47.61	2	-	49.65	Peak	74	Pass
BLE 2M	2480	2485.36	-55.76	2	0	41.5	Average	54	Pass
BLE 2M	2480	2500	-49.06	2	-	48.2	Peak	74	Pass
BLE 2M	2480	2500	-56.41	2	0	40.85	Average	54	Pass

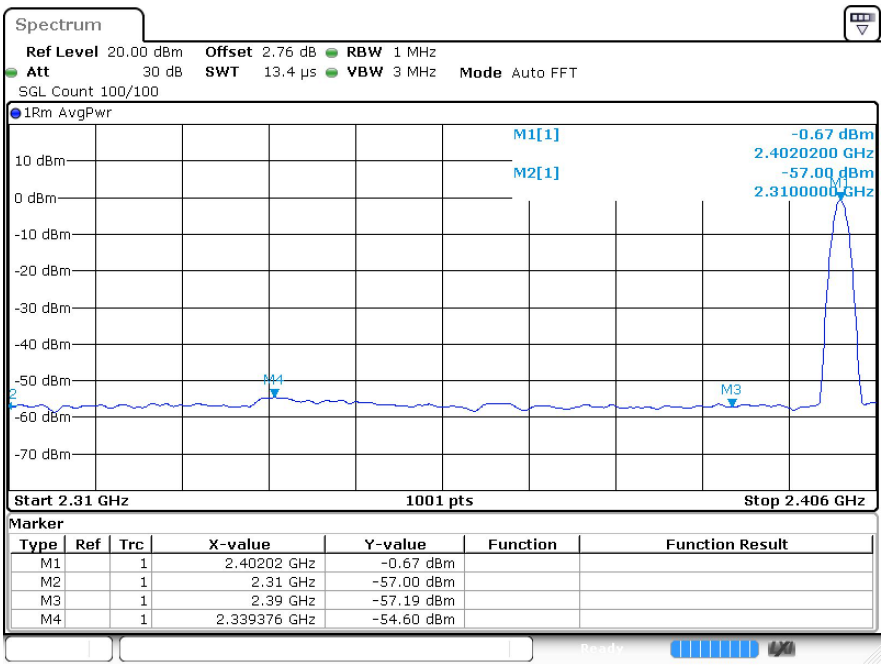
7.2 Test Graphs

Test Graphs

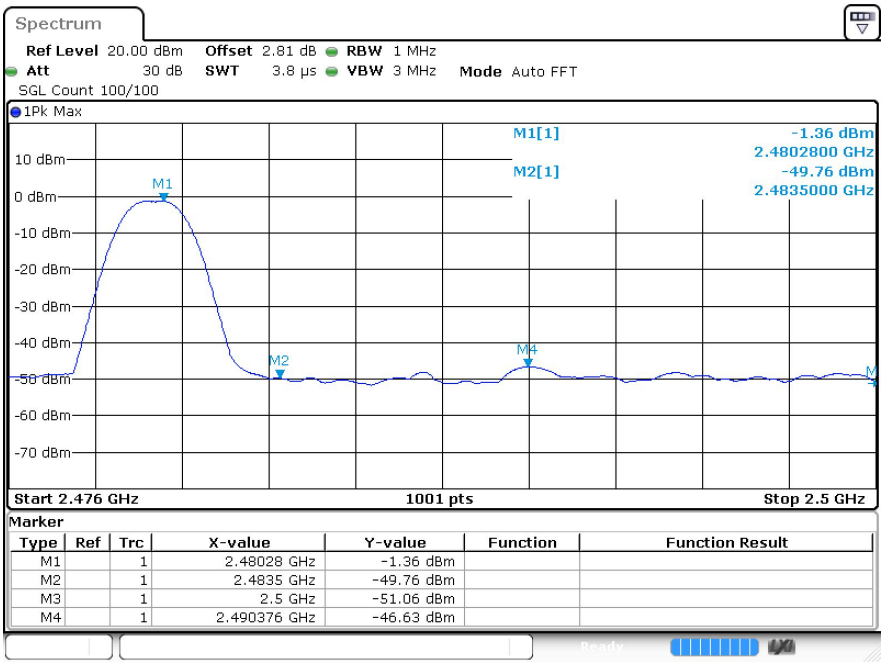
BLE 1M 2402MHz Peak



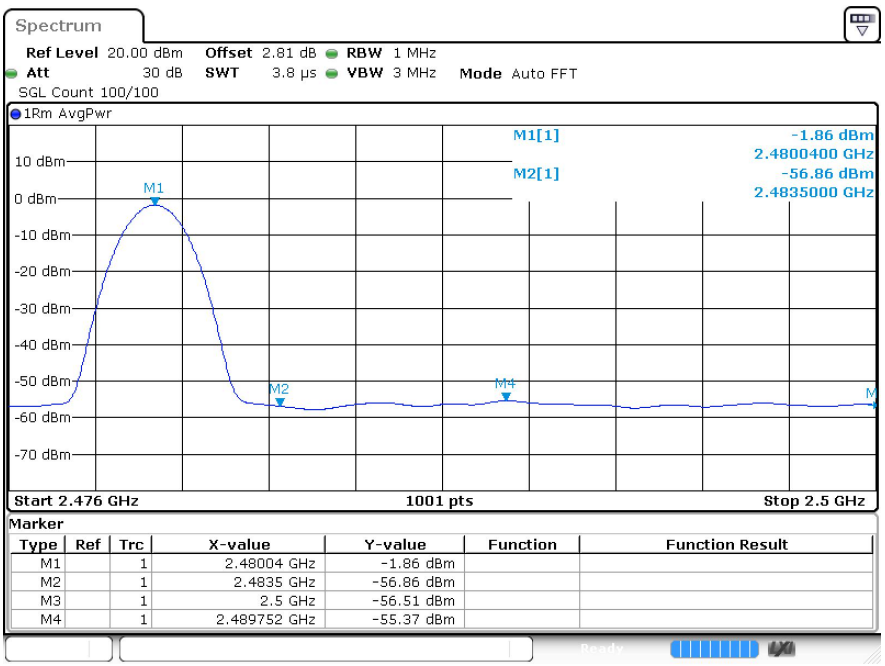
BLE 1M 2402MHz Average



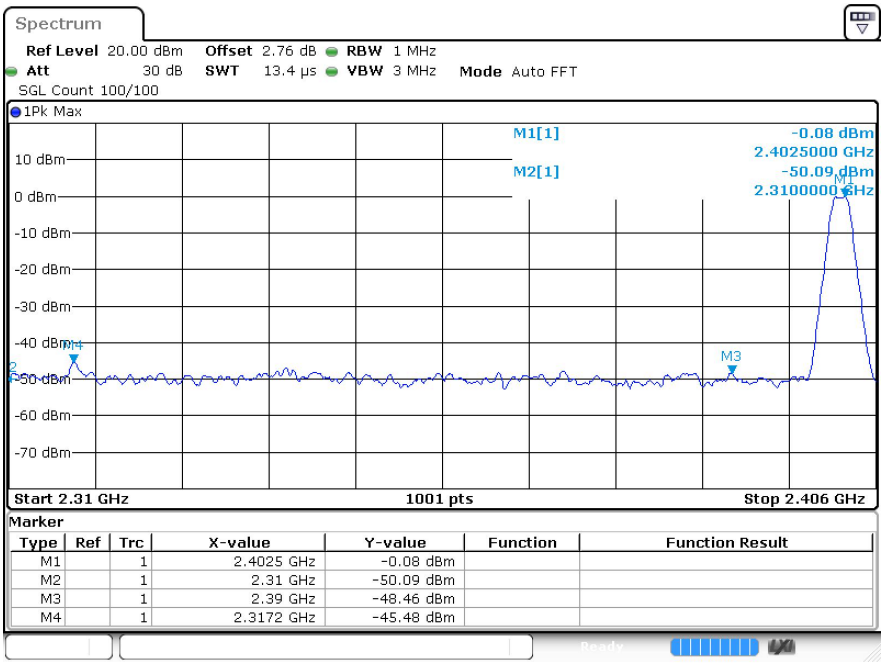
BLE 1M 2480MHz Peak



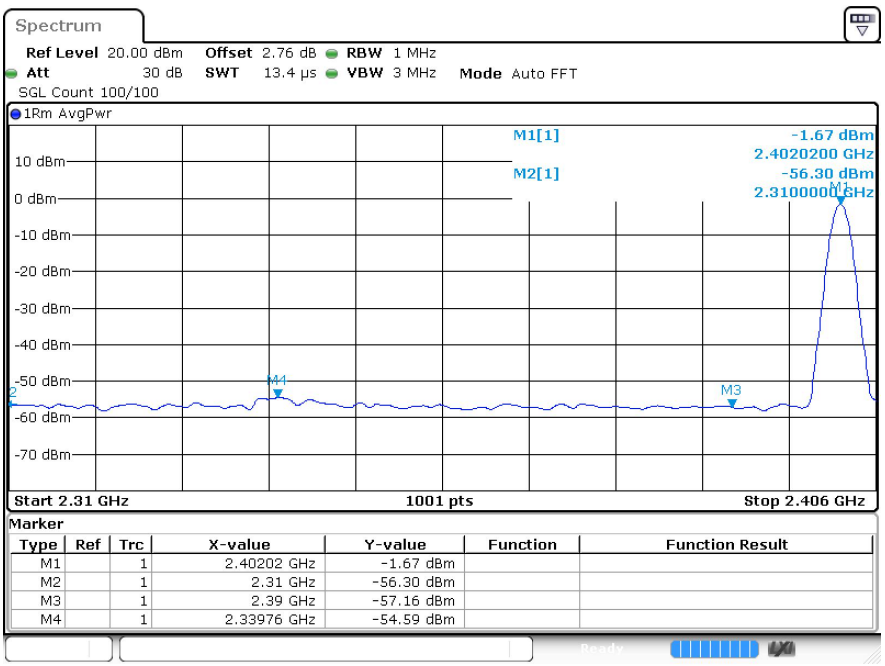
BLE 1M 2480MHz Average



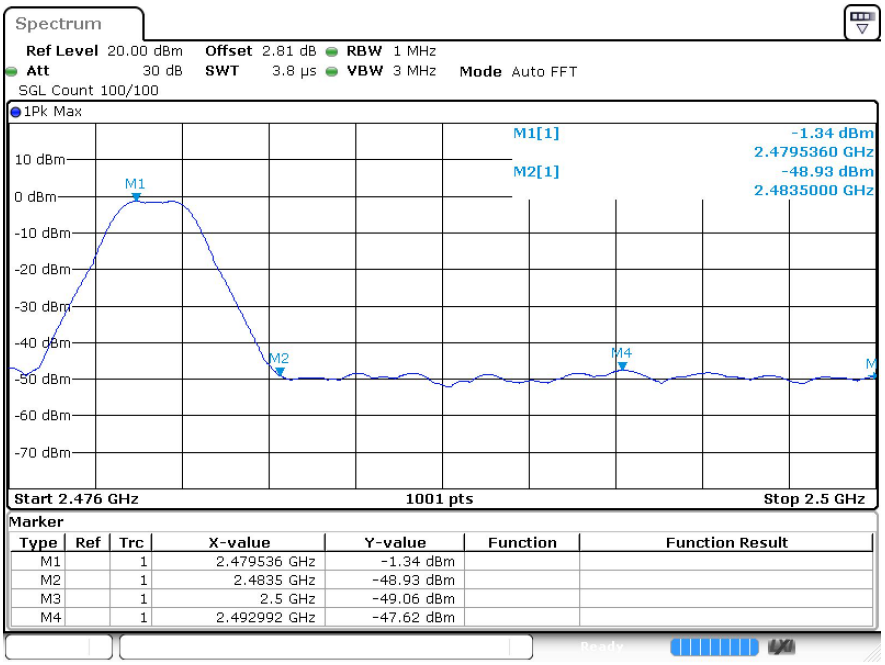
BLE 2M 2402MHz Peak



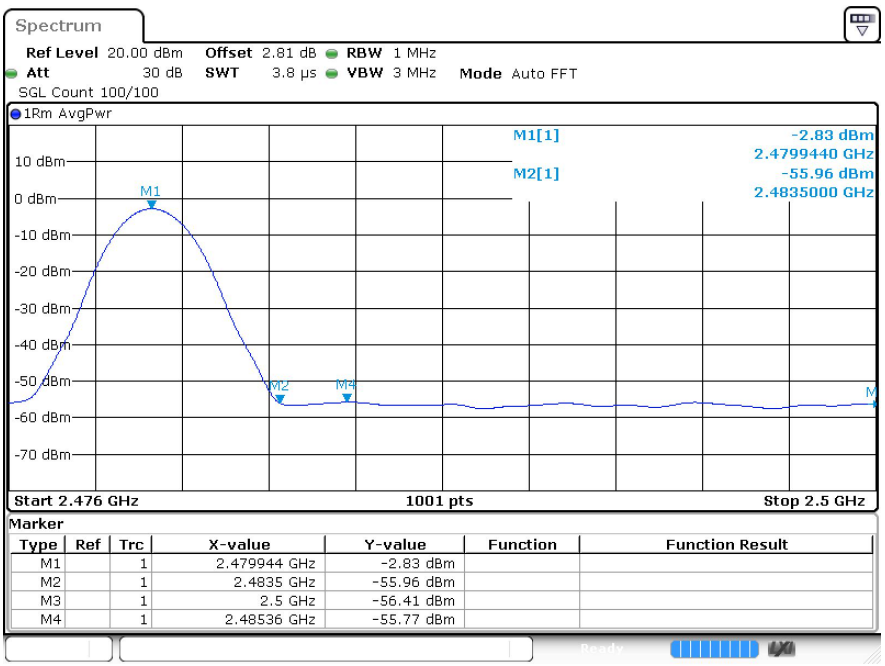
BLE 2M 2402MHz Average



BLE 2M 2480MHz Peak



BLE 2M 2480MHz Average



---The End---