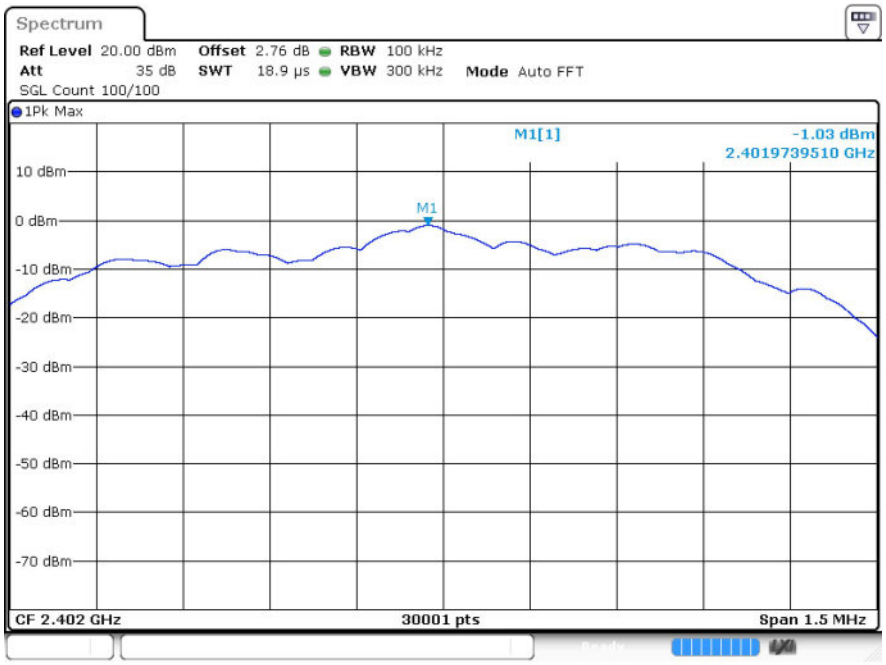
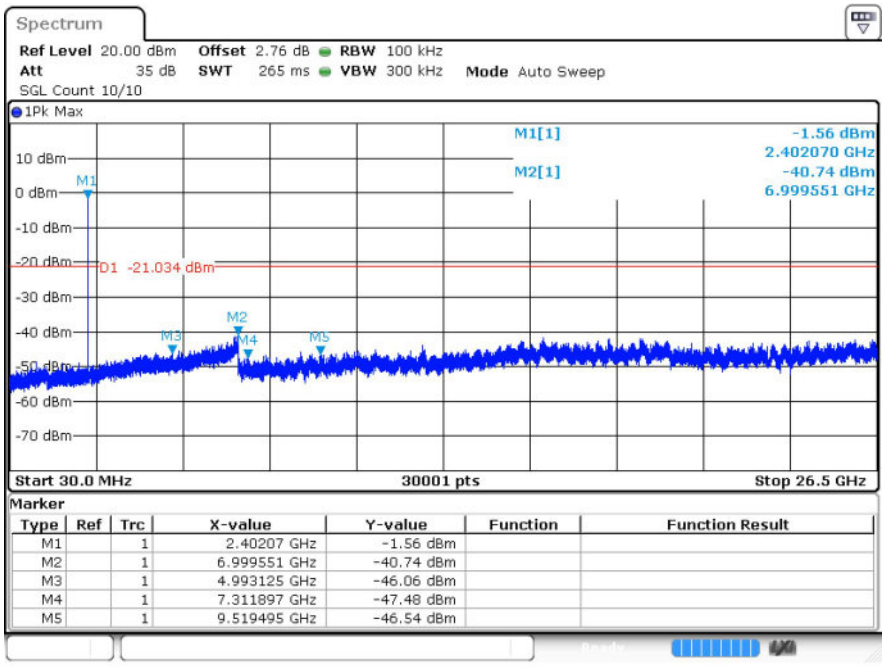
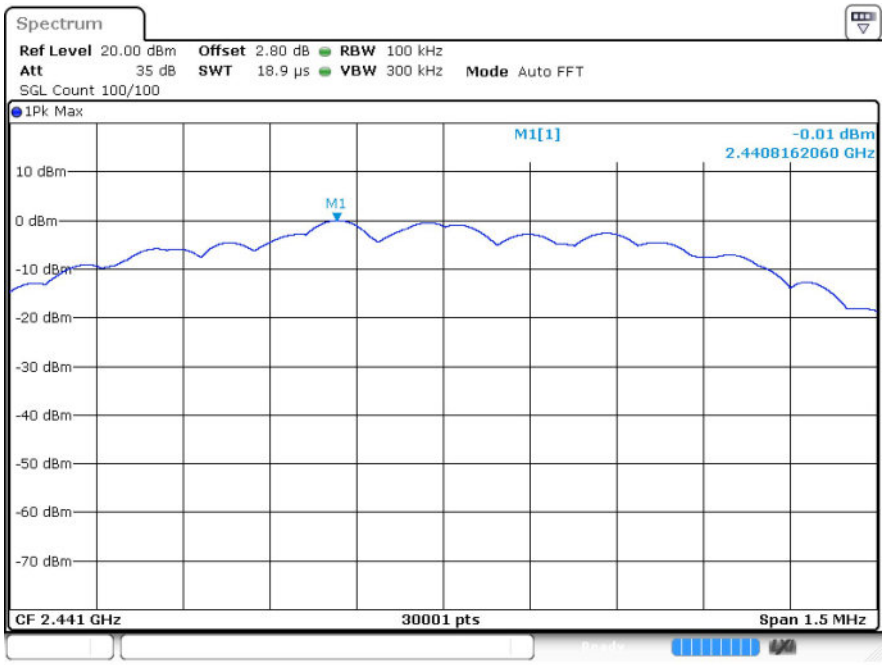
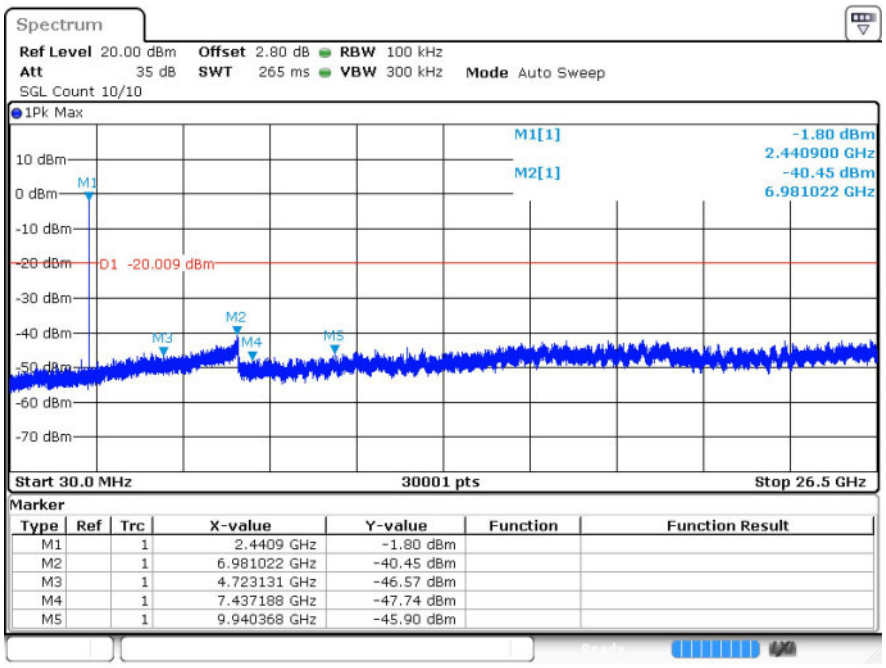
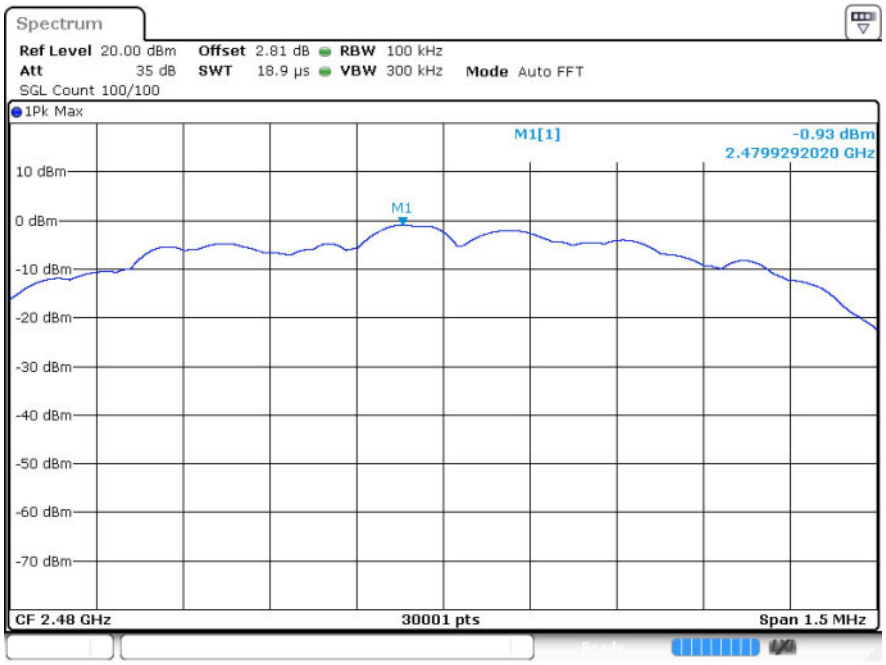
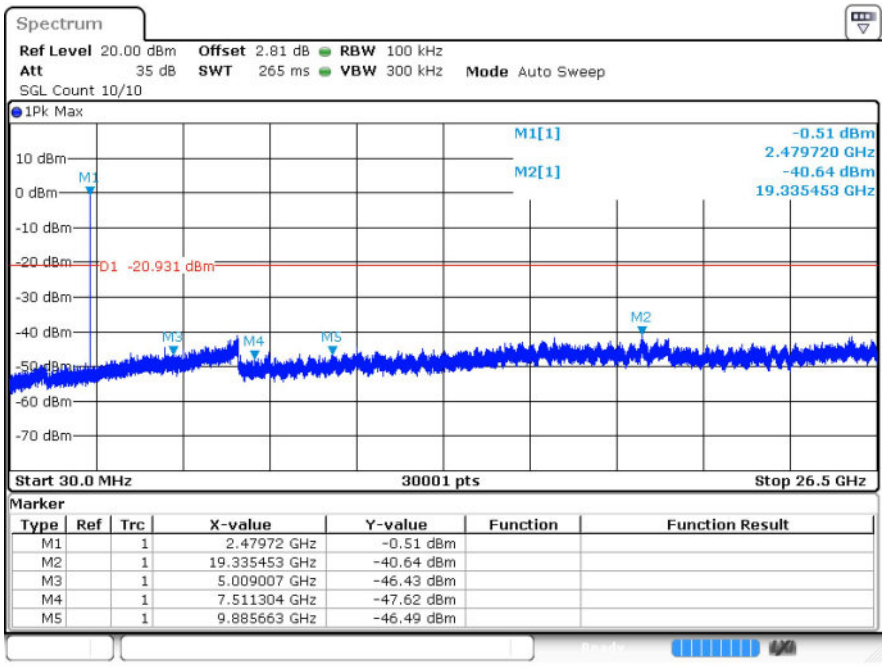
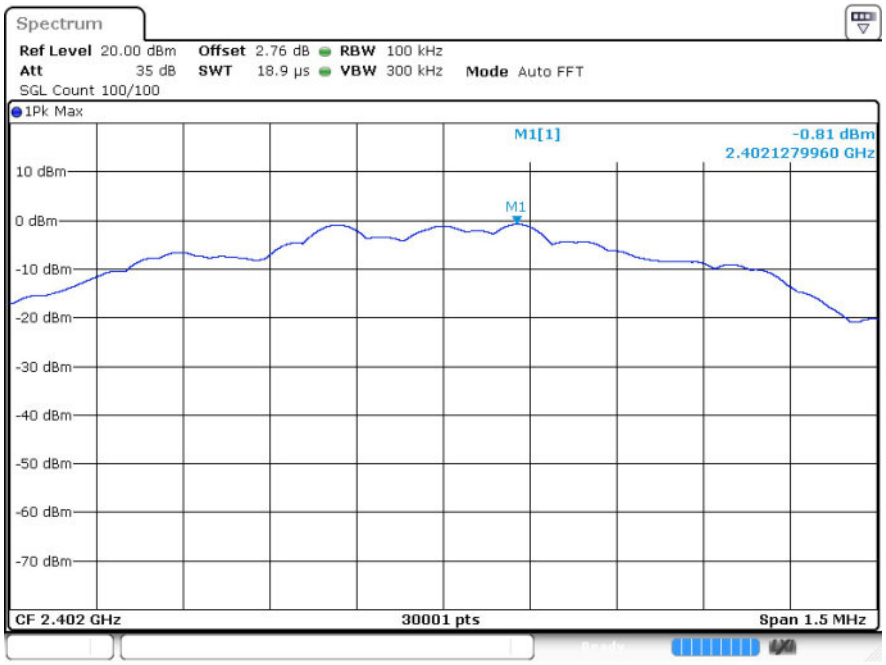
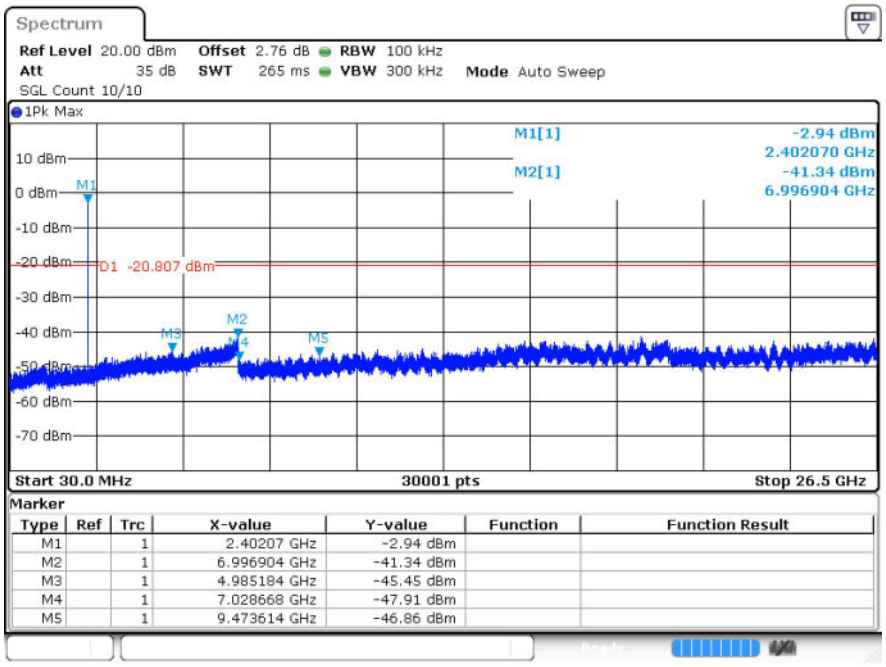
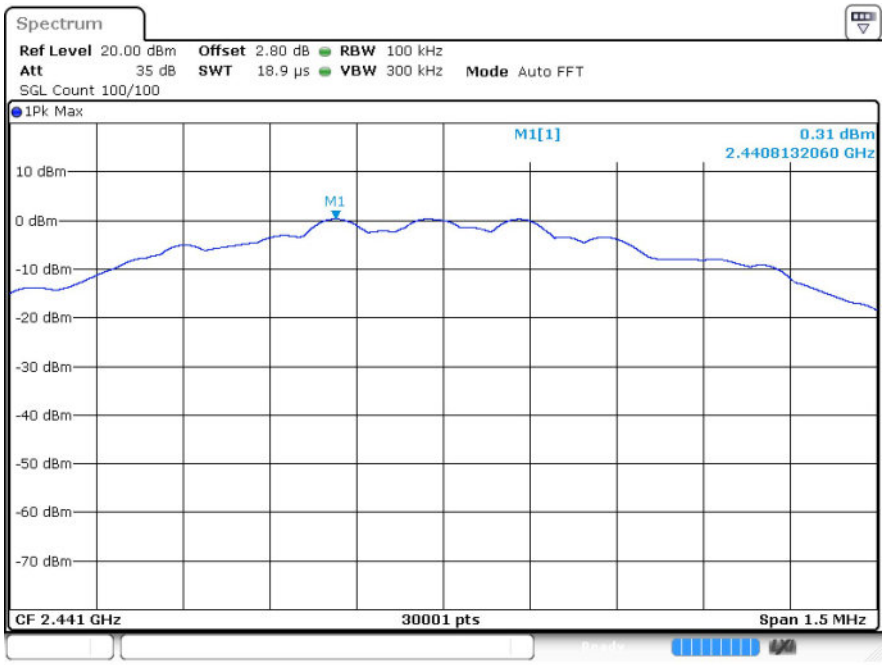
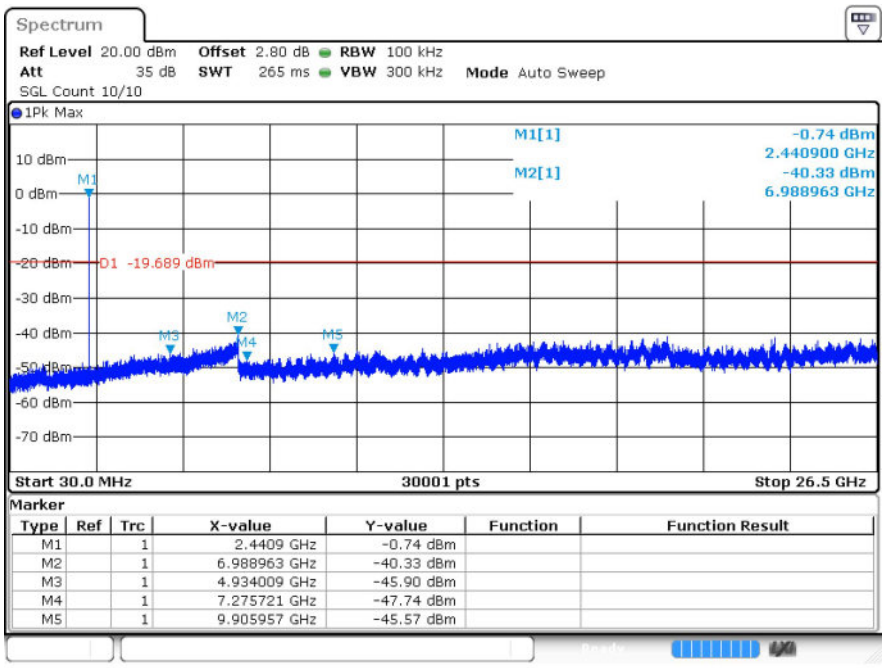
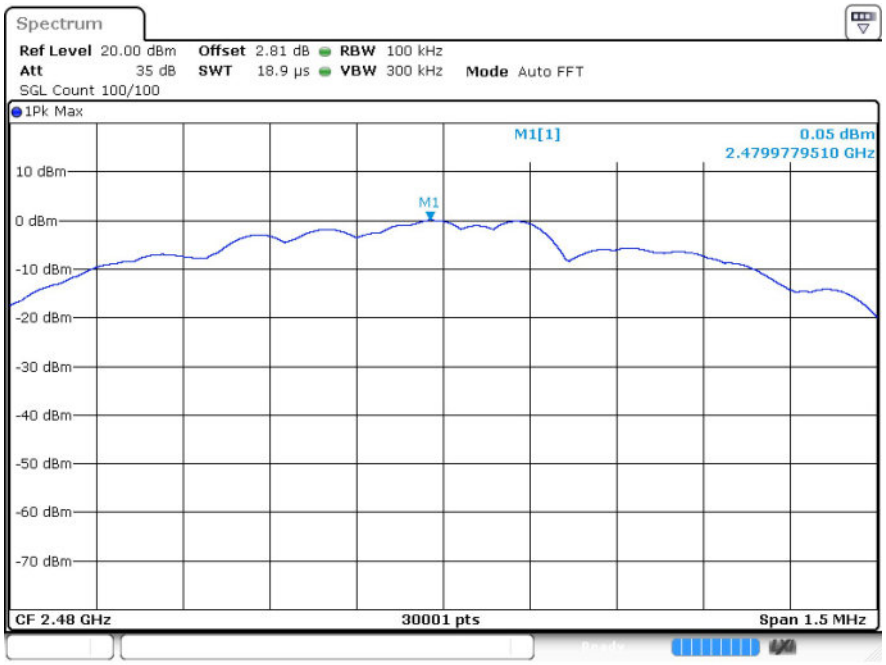
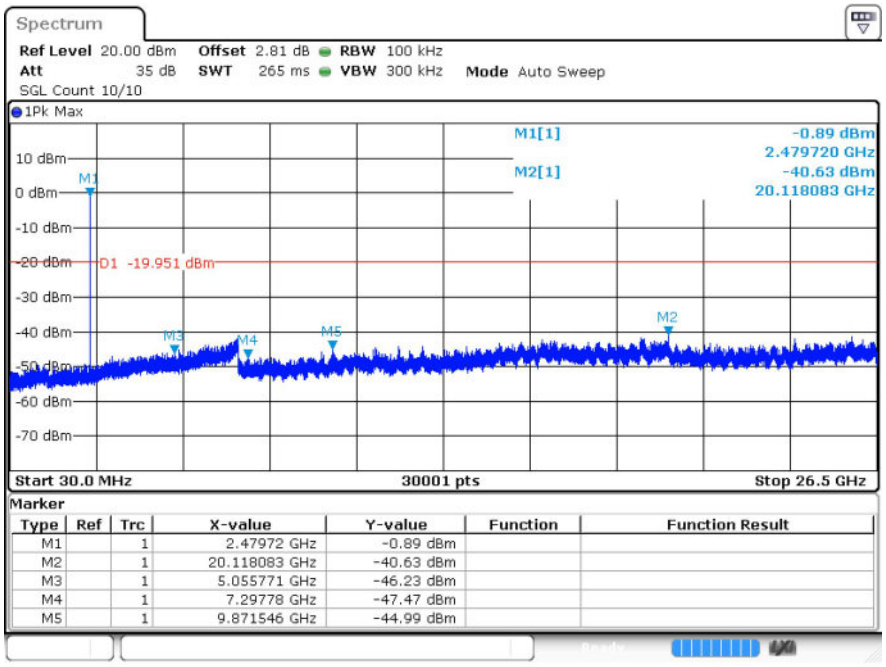
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

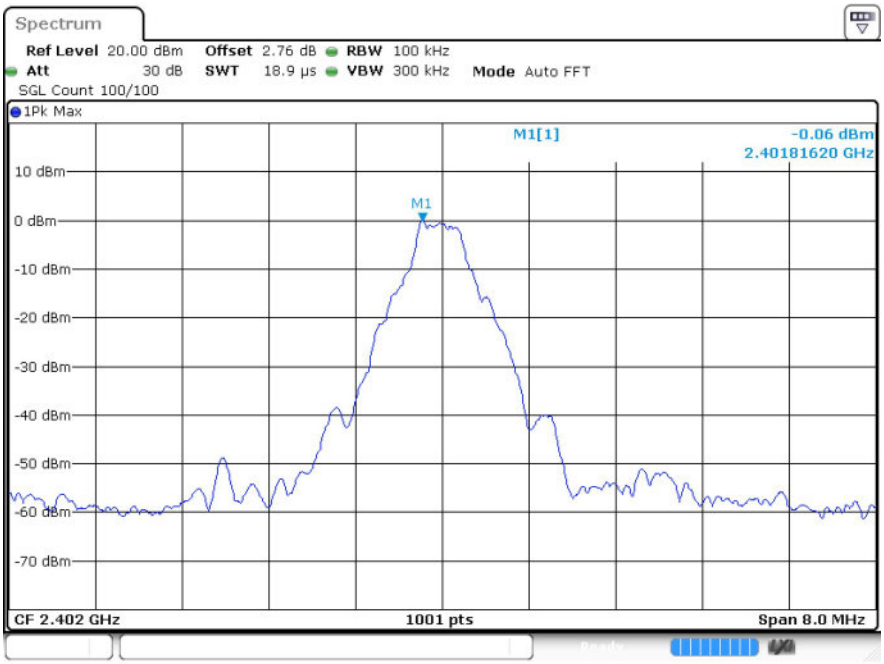
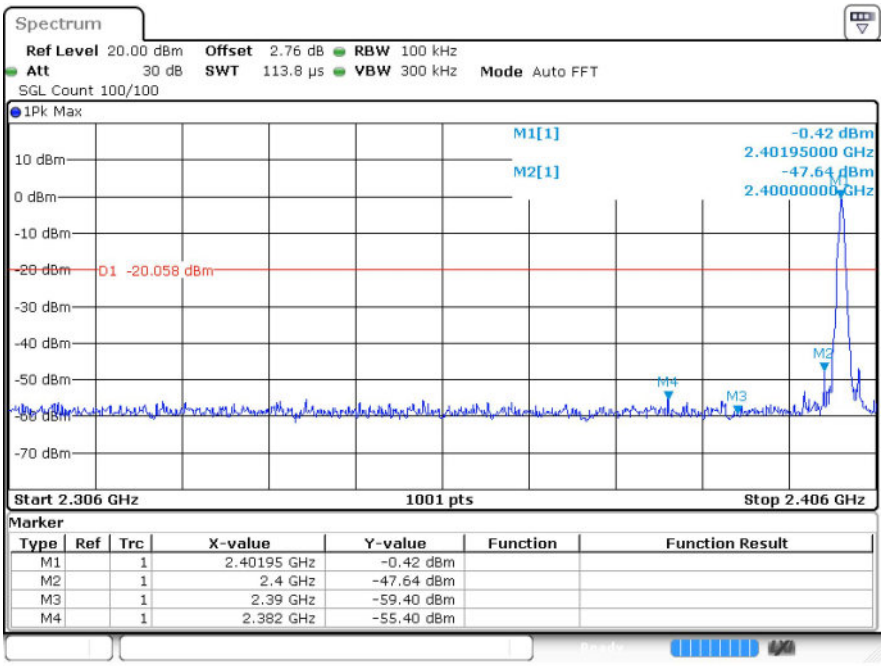
8DPSK_HCH_Graphs	
Pref	
Puw	

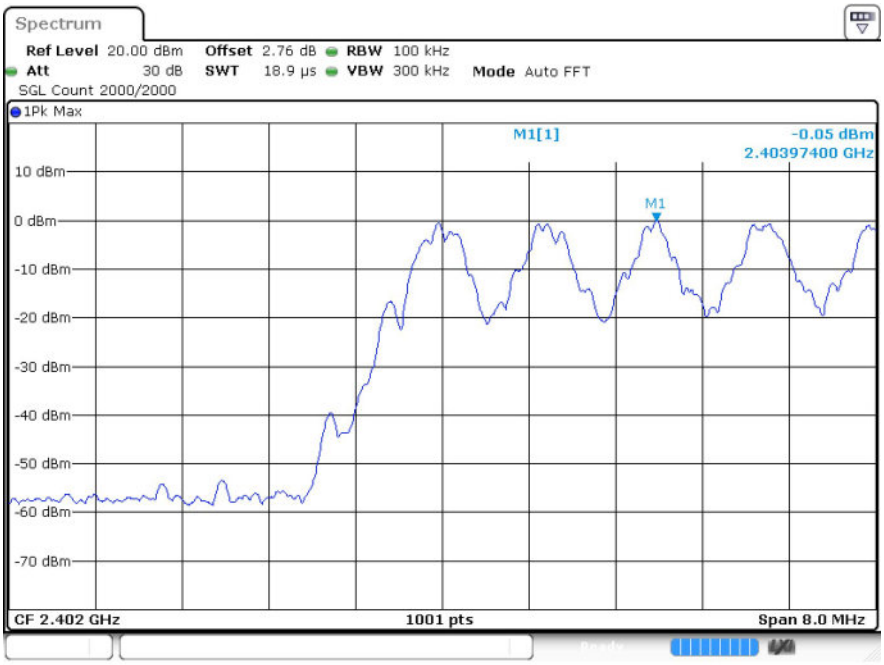
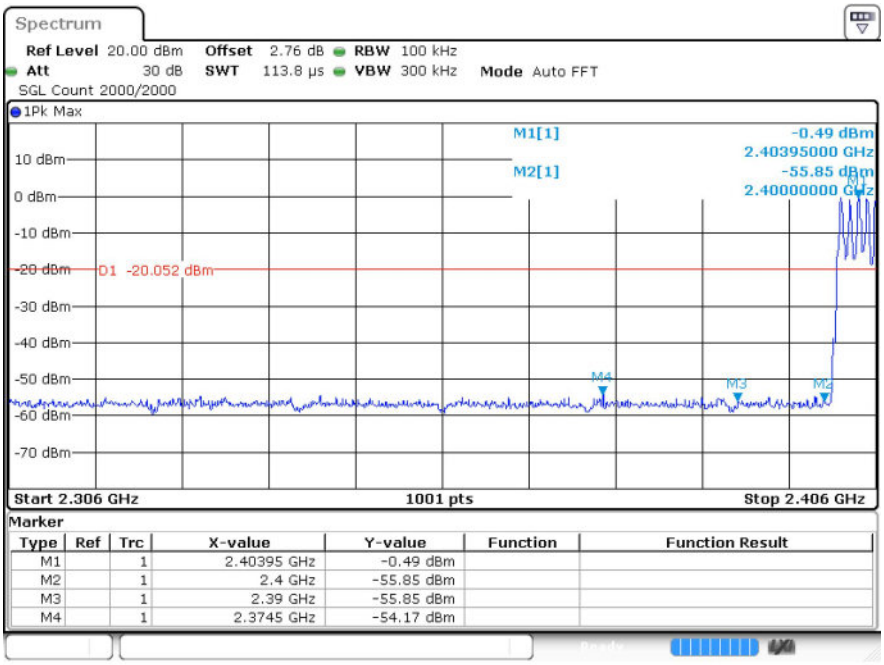
8 Band-edge for RF Conducted Emissions

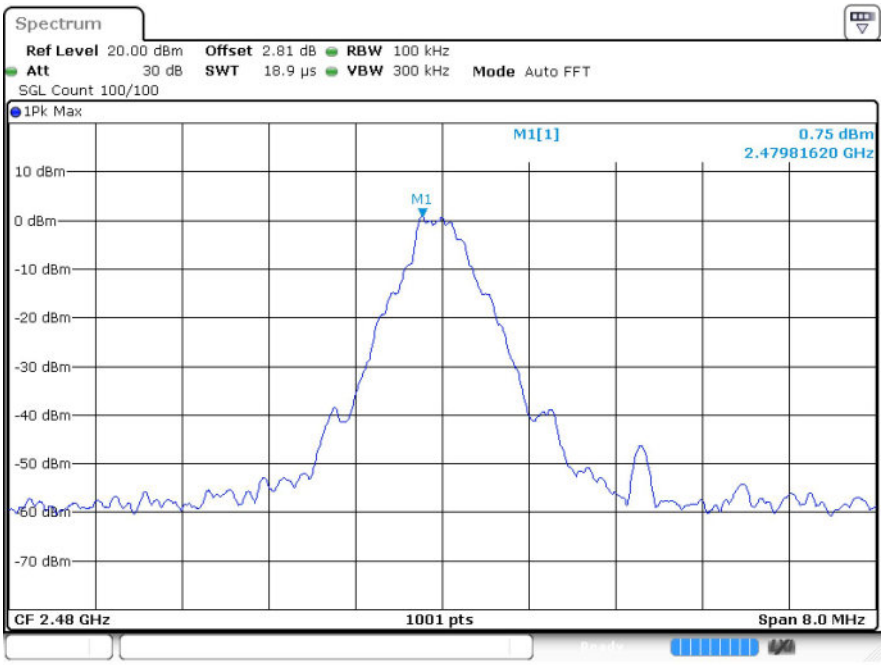
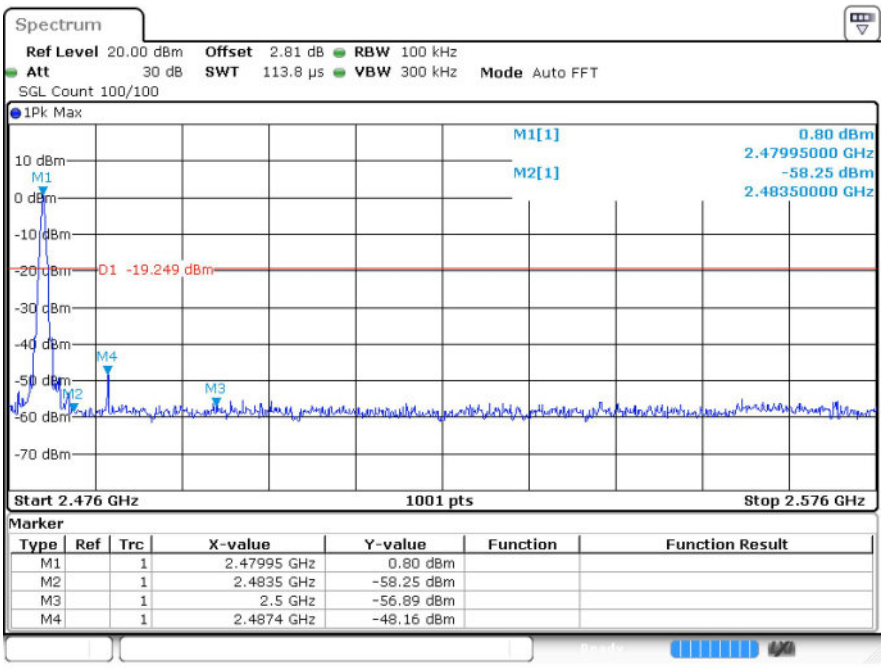
8.1 Test Result

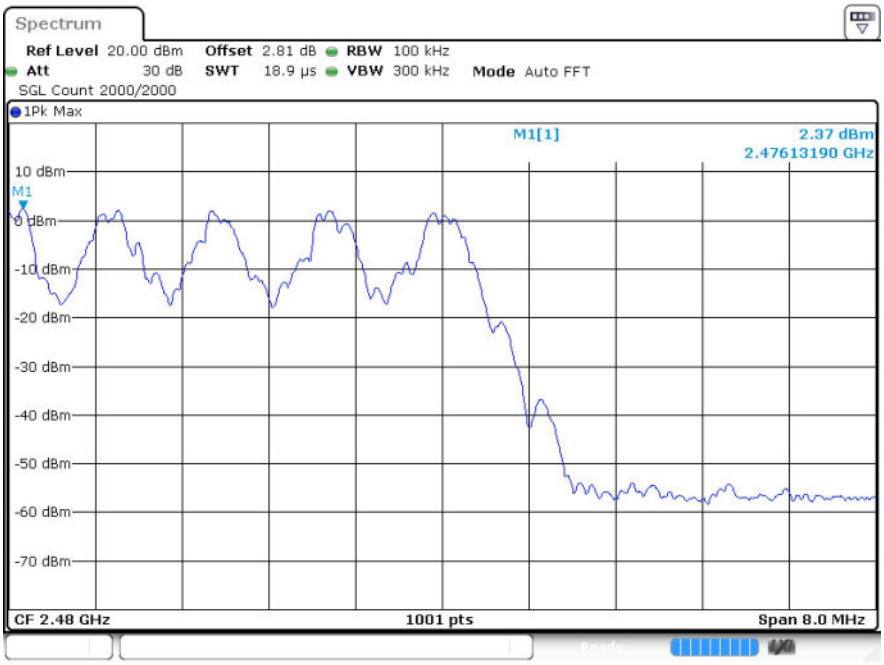
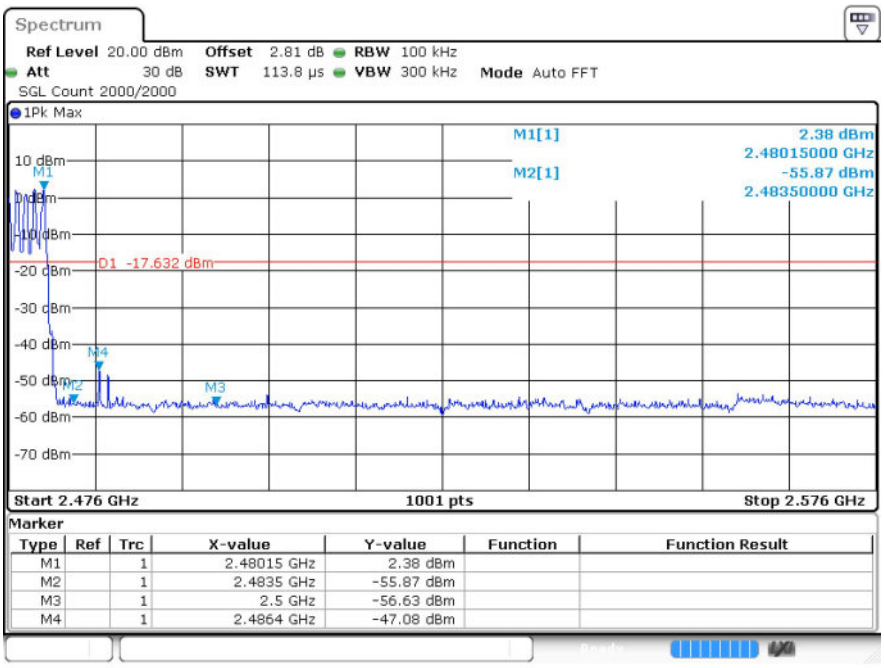
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-55.33	-20	Pass
			On	-54.12	-20	Pass
	HCH	2480	Off	-48.91	-20	Pass
			On	-49.45	-20	Pass
π/4DQPSK	LCH	2402	Off	-54.36	-20	Pass
			On	-53.63	-20	Pass
	HCH	2480	Off	-48.26	-20	Pass
			On	-47.89	-20	Pass
8DPSK	LCH	2402	Off	-54.6	-20	Pass
			On	-53.19	-20	Pass
	HCH	2480	Off	-46.49	-20	Pass
			On	-49.17	-20	Pass

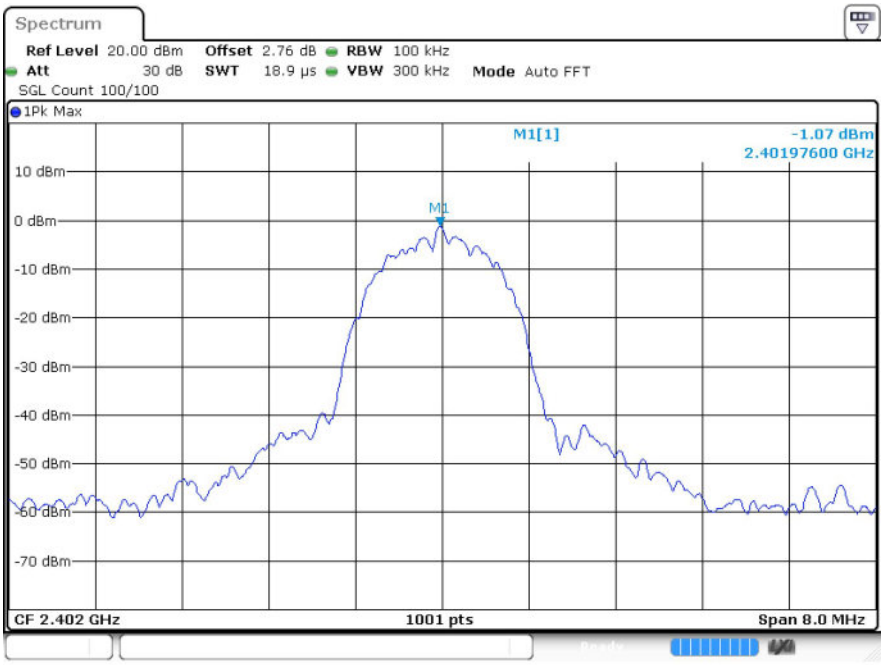
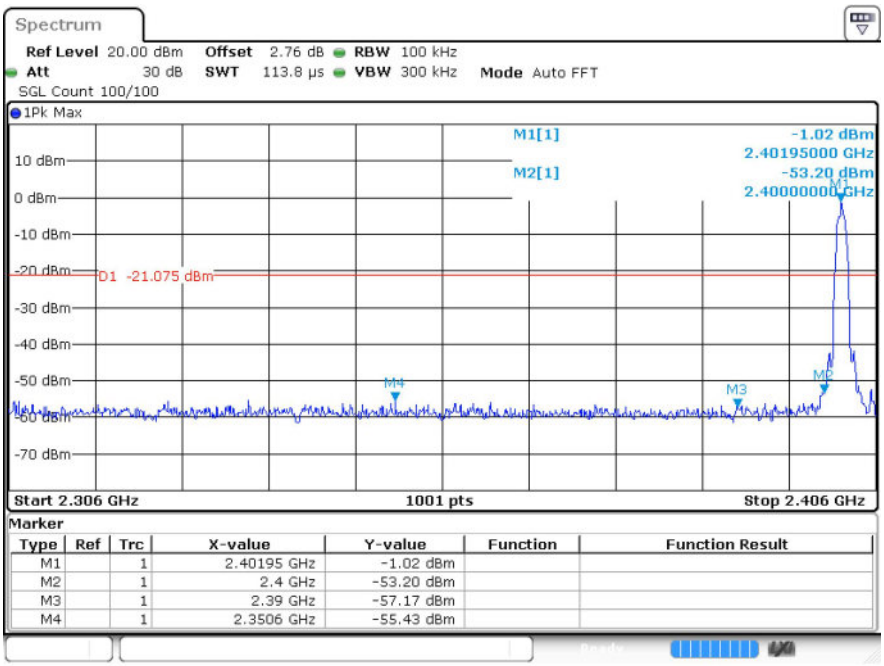
8.2 Test Graphs

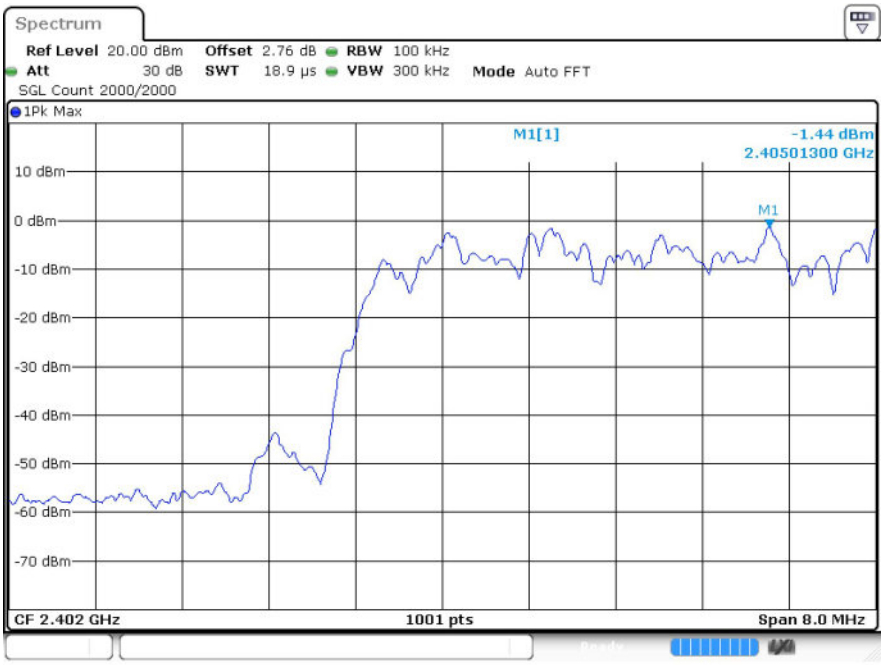
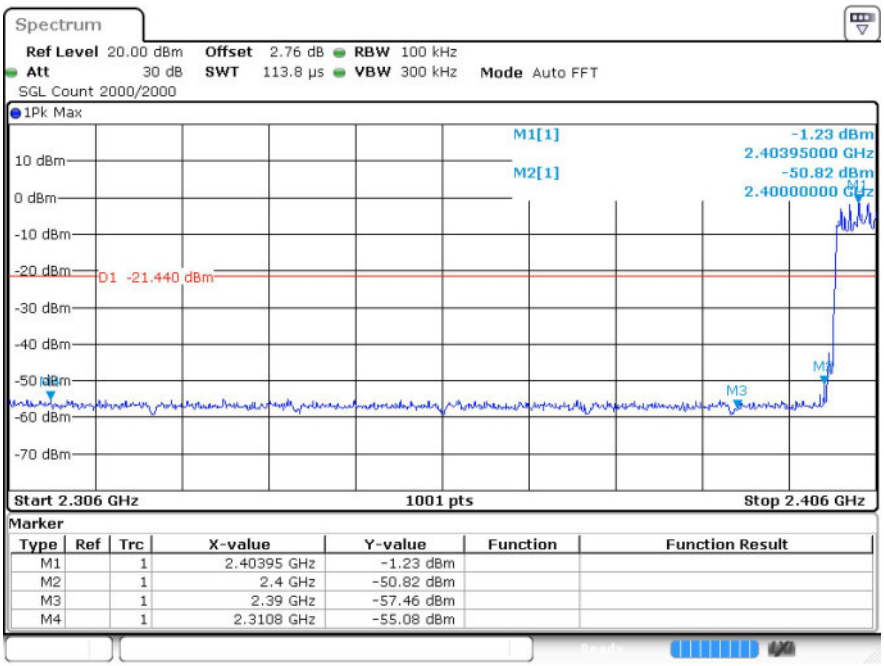
Test Graphs	
Pref	
GFSK/LCH/No Hop	

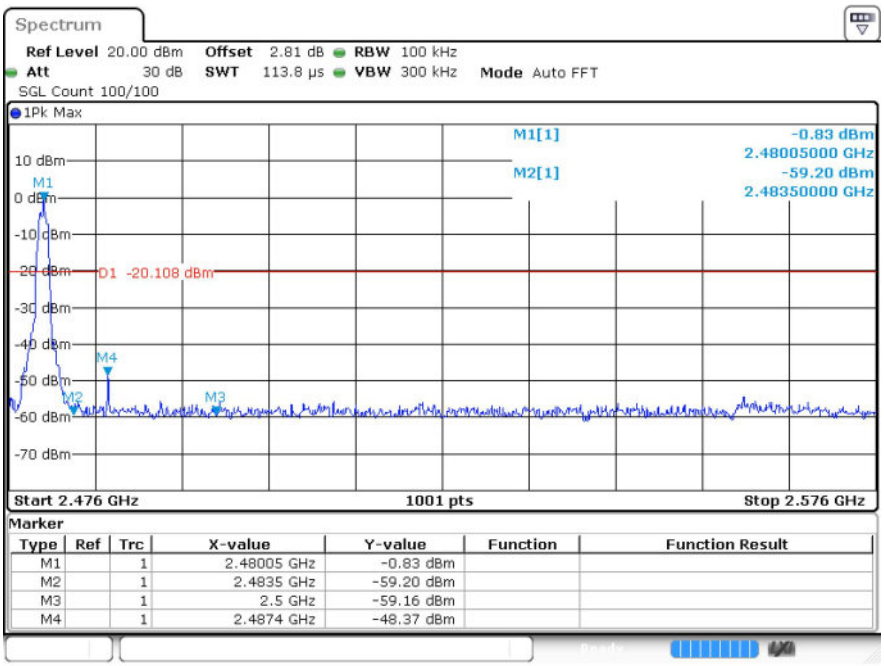
Ref	
GFSK/LCH/Hop	

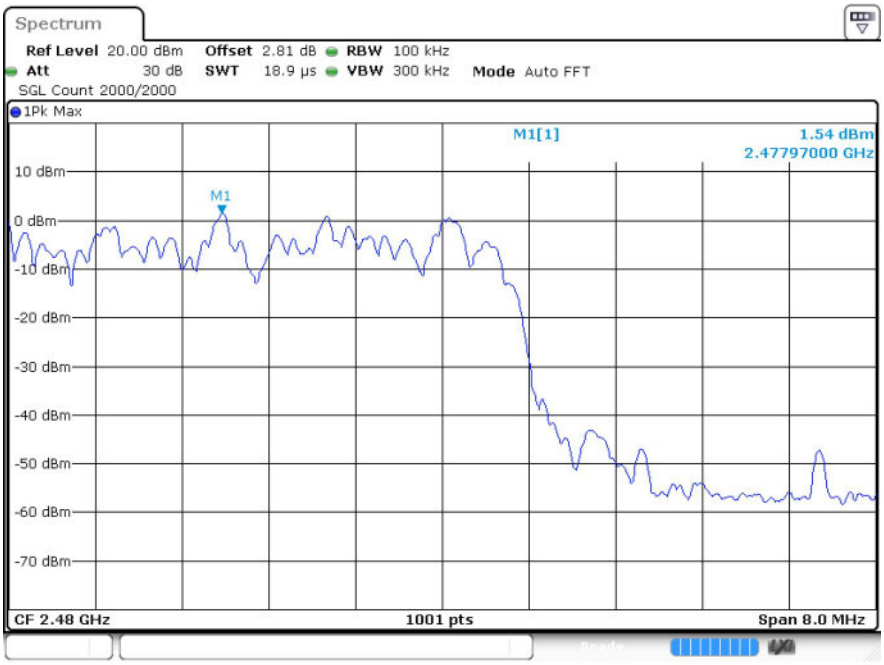
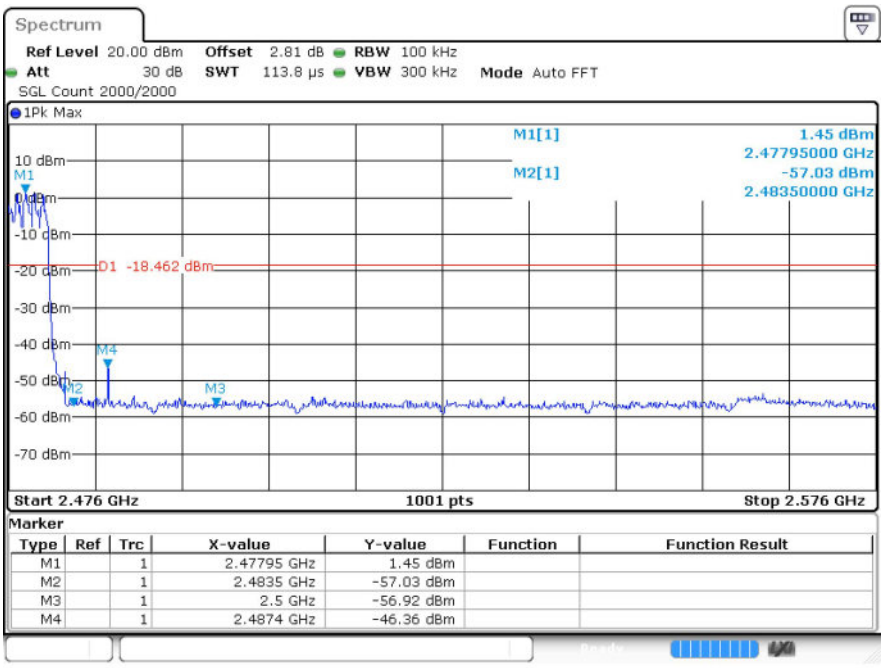
Ref	
GFSK/HCH/No Hop	

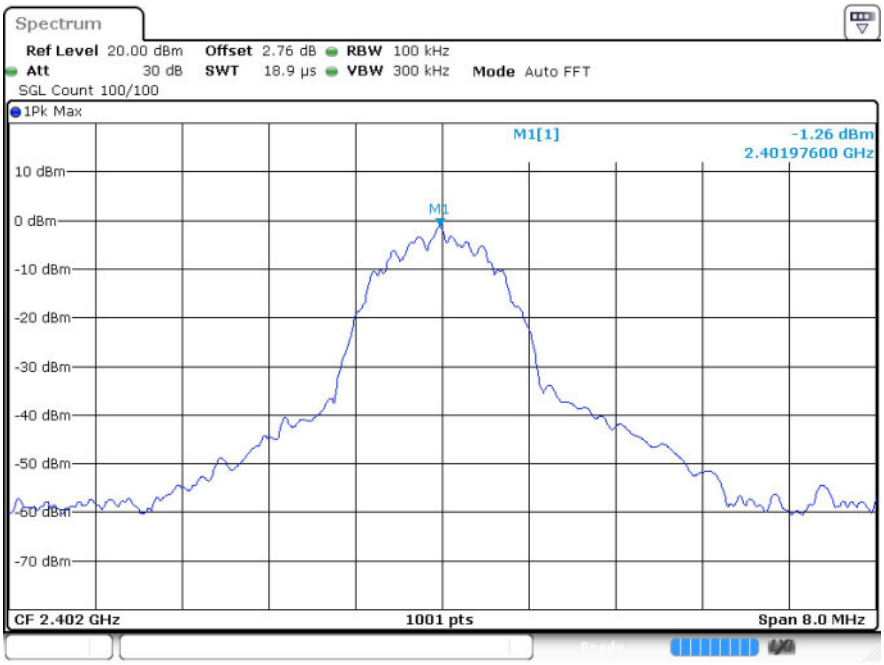
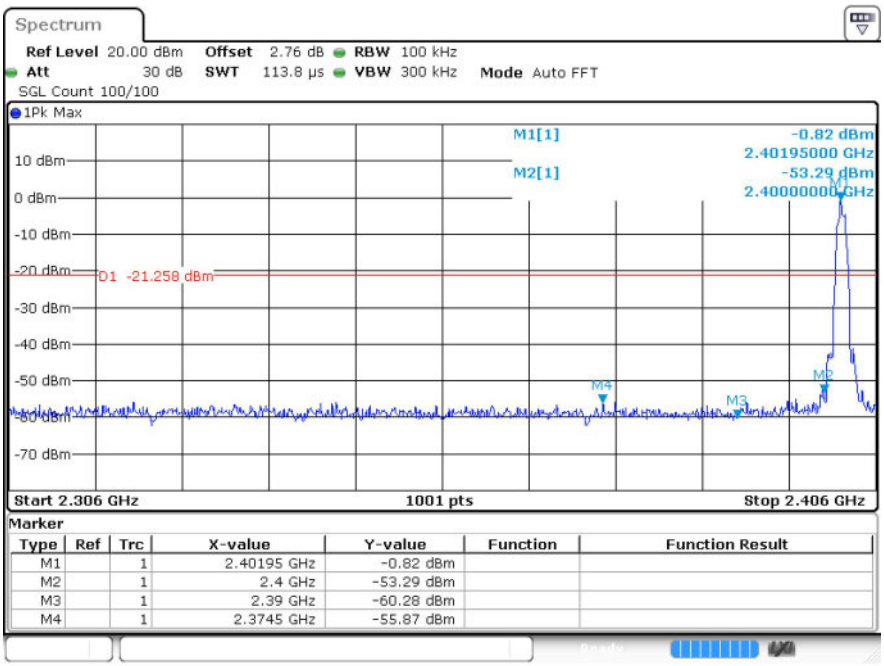
Ref.	
GFSK/HCH/Hop	

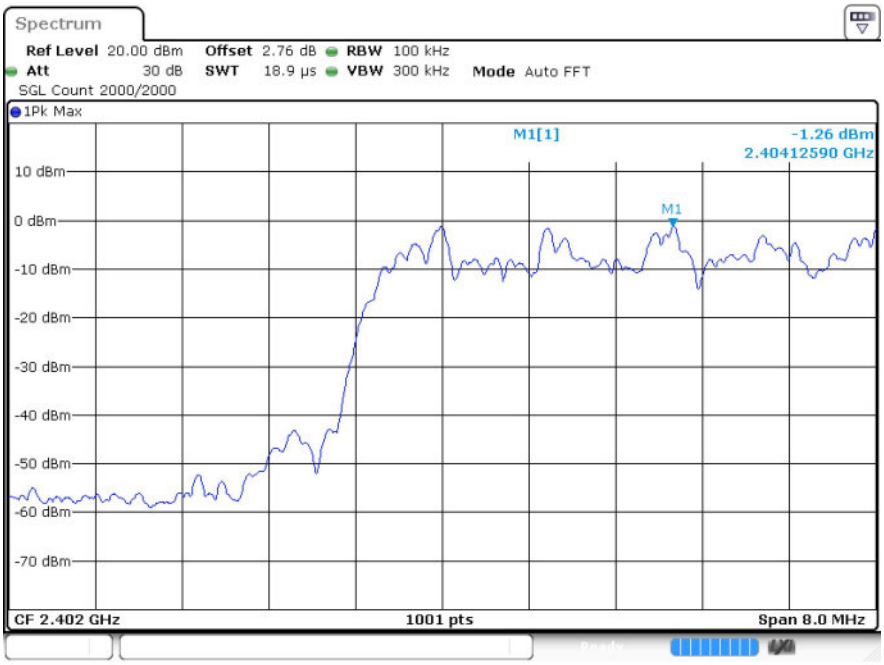
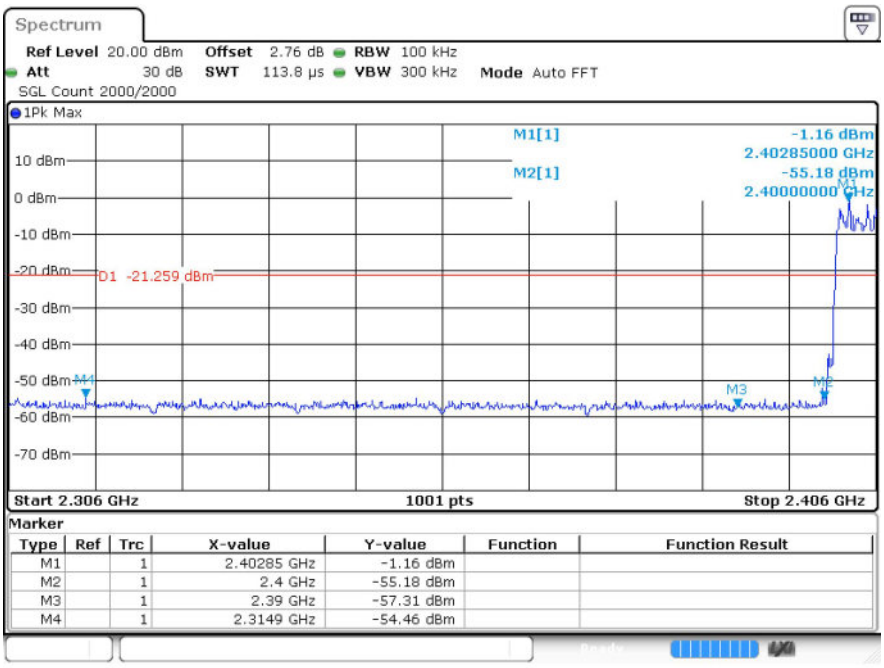
Ref	
π/4DQPSK/LCH/No Hop	

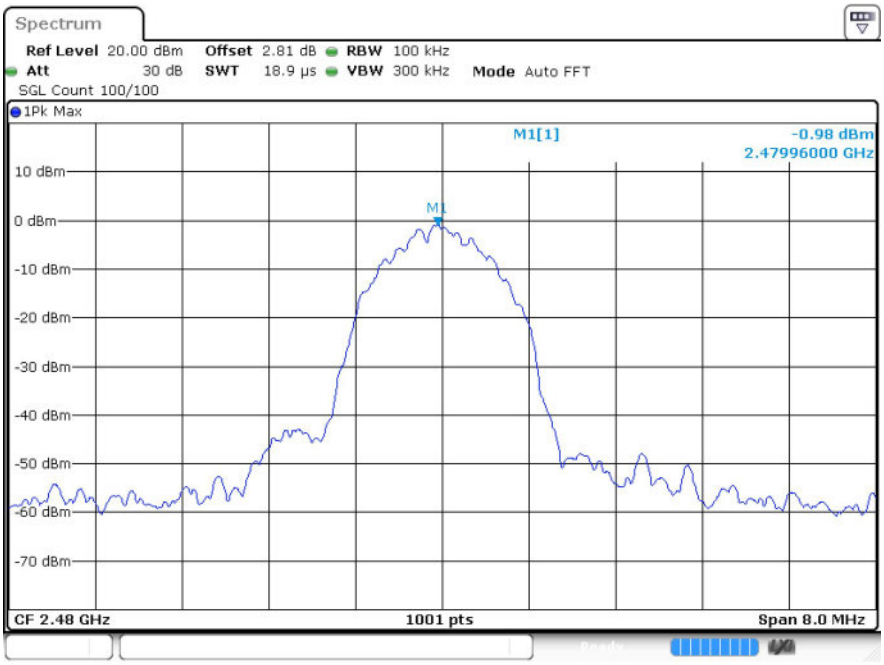
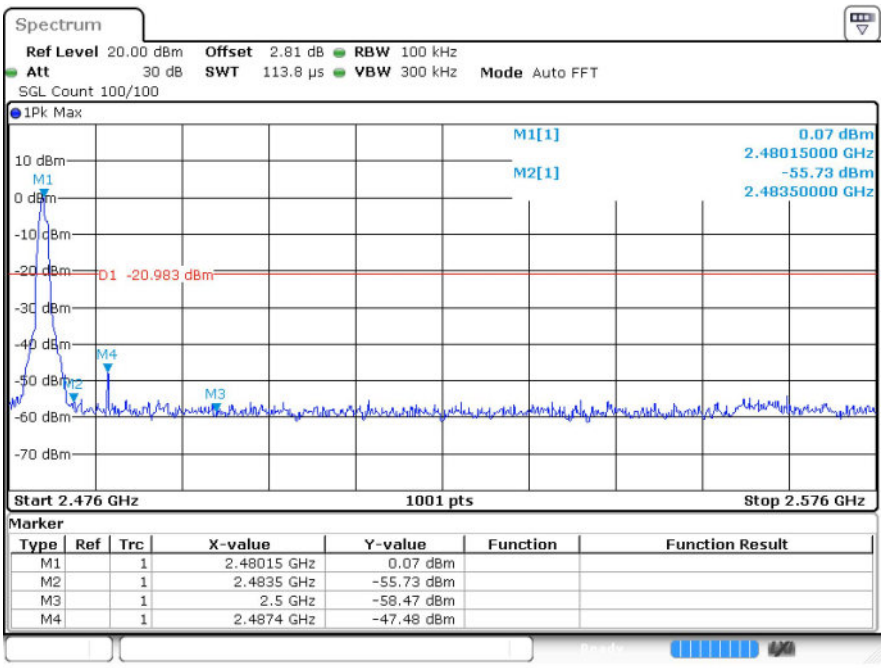
Ref	
π/4DQPSK/LCH/Hop	

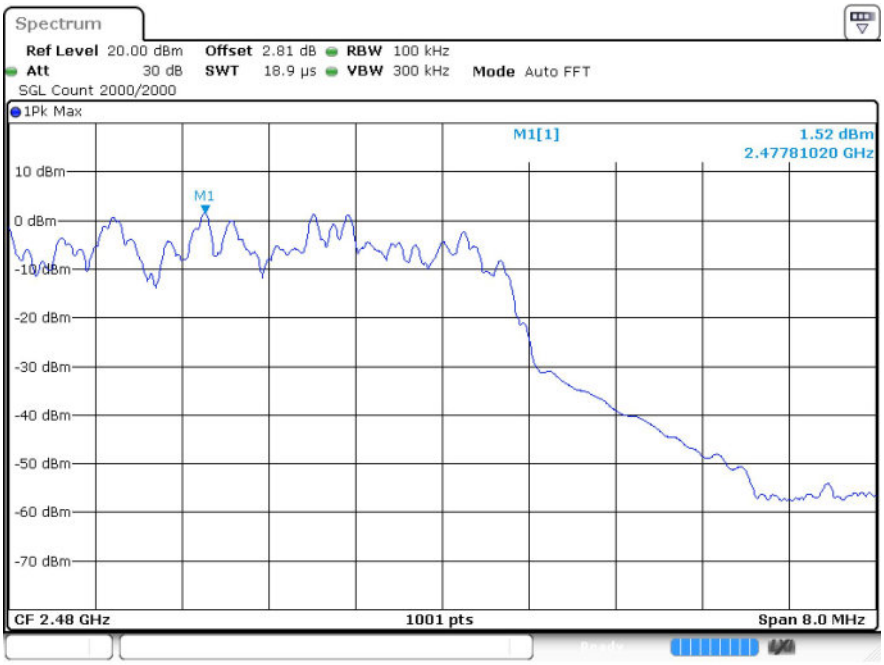
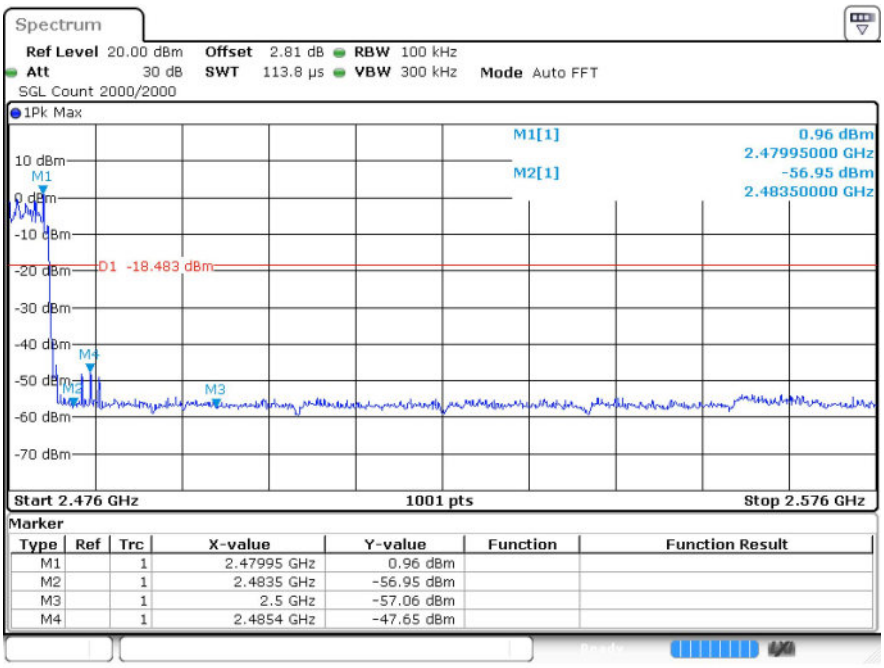
Ref	
π/4DQPSK/HCH/No Hop	

Ref	
π/4DQPSK/HCH/Hop	

Ref	
8DPSK/LCH/No Hop	

Ref	
8DPSK/LCH/Hop	

Ref	
8DPSK/HCH/No Hop	

Ref	
8DPSK/HCH/Hop	

9 Restrict-band band-edge measurements

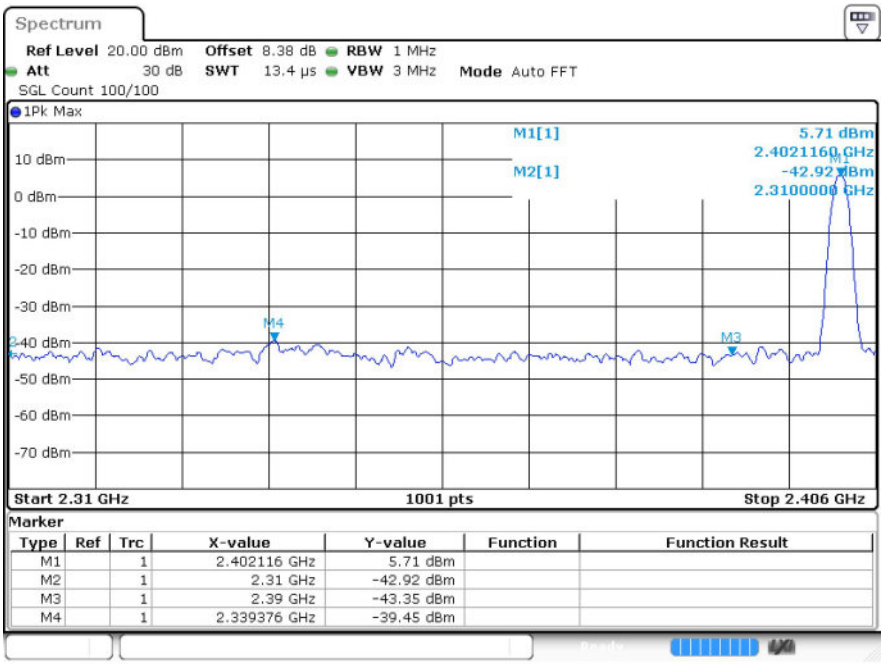
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-42.91	5.62	57.97	PEAK	74	Pass
	Off	2310.0	-51.46	5.62	49.42	AV	54	Pass
	Off	2339.376	-39.45	5.62	61.43	PEAK	74	Pass
	Off	2338.128	-49.44	5.62	51.44	AV	54	Pass
	Off	2390.0	-43.35	5.62	57.53	PEAK	74	Pass
	Off	2390.0	-52.08	5.62	48.8	AV	54	Pass
	Off	2483.5	-42.02	5.62	58.86	PEAK	74	Pass
	Off	2483.5	-50.71	5.62	50.17	AV	54	Pass
	Off	2487.52	-40.6	5.62	60.28	PEAK	74	Pass
	Off	2487.424	-49.54	5.62	51.34	AV	54	Pass
	Off	2500.0	-43.71	5.62	57.17	PEAK	74	Pass
	Off	2500.0	-51.72	5.62	49.16	AV	54	Pass
π/4DQPSK	Off	2310.0	-43.72	5.62	57.16	PEAK	74	Pass
	Off	2310.0	-51.7	5.62	49.18	AV	54	Pass
	Off	2342.256	-39.51	5.62	61.37	PEAK	74	Pass
	Off	2338.32	-49.66	5.62	51.22	AV	54	Pass
	Off	2390.0	-43.21	5.62	57.67	PEAK	74	Pass
	Off	2390.0	-51.66	5.62	49.22	AV	54	Pass
	Off	2483.5	-42.79	5.62	58.09	PEAK	74	Pass
	Off	2483.5	-50.24	5.62	50.64	AV	54	Pass
	Off	2487.352	-39.72	5.62	61.16	PEAK	74	Pass
	Off	2483.848	-50.21	5.62	50.67	AV	54	Pass
	Off	2500.0	-45	5.62	55.88	PEAK	74	Pass
	Off	2500.0	-51.47	5.62	49.41	AV	54	Pass
8DPSK	Off	2310.0	-43.29	5.62	57.59	PEAK	74	Pass
	Off	2310.0	-51.62	5.62	49.26	AV	54	Pass
	Off	2339.952	-39.2	5.62	61.68	PEAK	74	Pass
	Off	2338.416	-49.45	5.62	51.43	AV	54	Pass

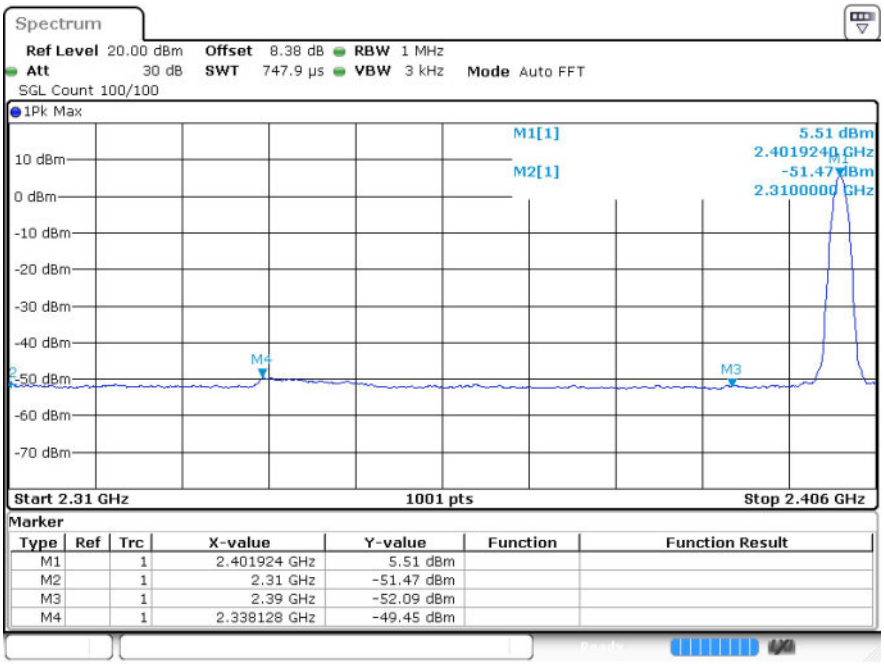
	Off	2390.0	-45.47	5.62	55.41	PEAK	74	Pass
	Off	2390.0	-51.44	5.62	49.44	AV	54	Pass
	Off	2483.5	-42.26	5.62	58.62	PEAK	74	Pass
	Off	2483.5	-49.98	5.62	50.9	AV	54	Pass
	Off	2487.424	-39.24	5.62	61.64	PEAK	74	Pass
	Off	2484.184	-49.96	5.62	50.92	AV	54	Pass
	Off	2500.0	-43.33	5.62	57.55	PEAK	74	Pass
	Off	2500.0	-51.53	5.62	49.35	AV	54	Pass

9.2 Test Graphs

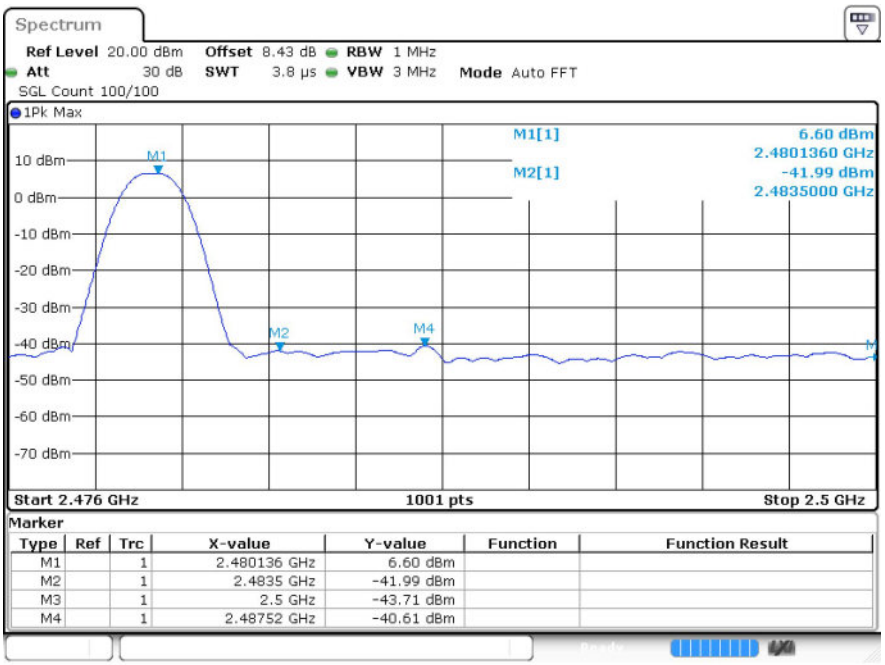
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



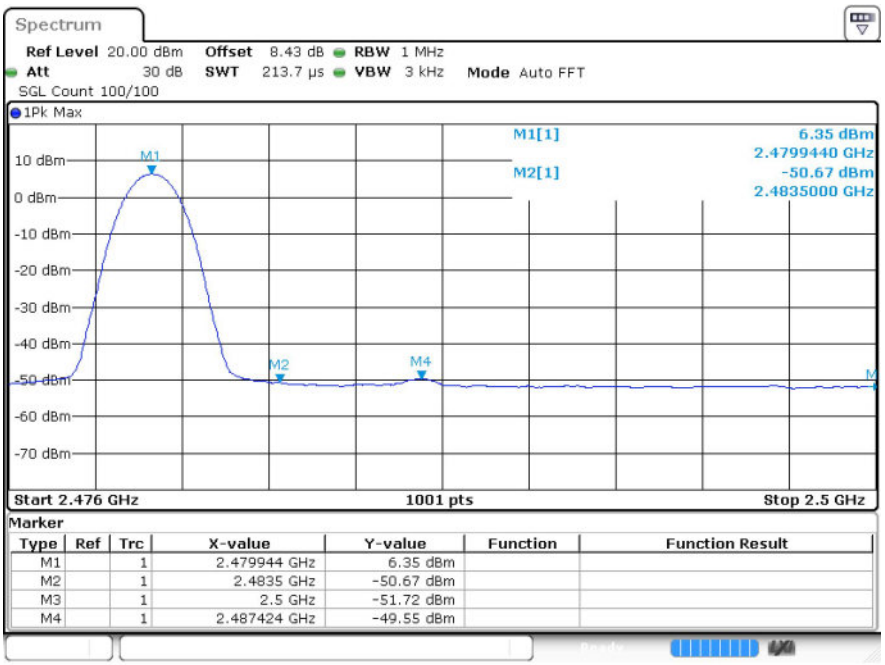
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



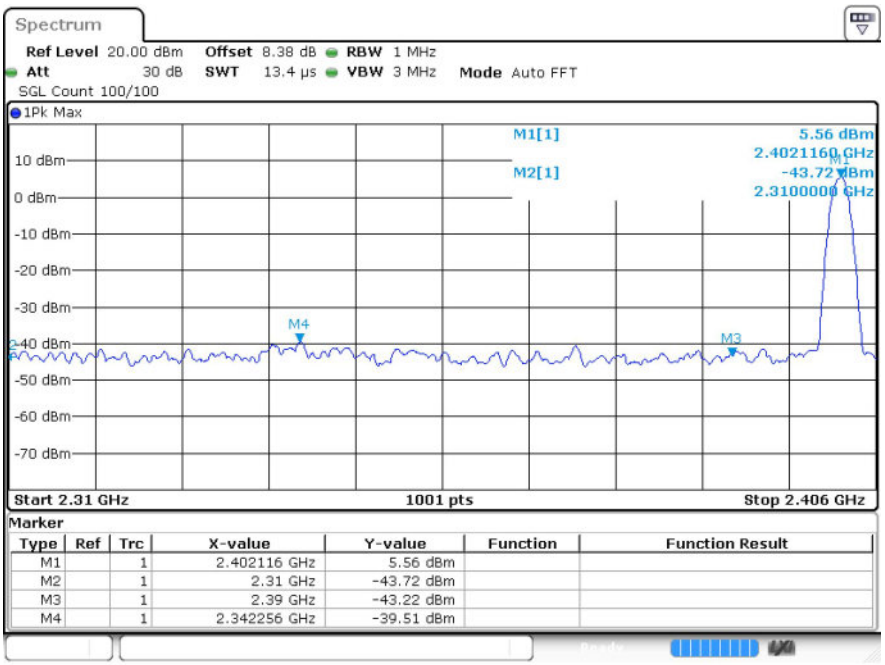
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



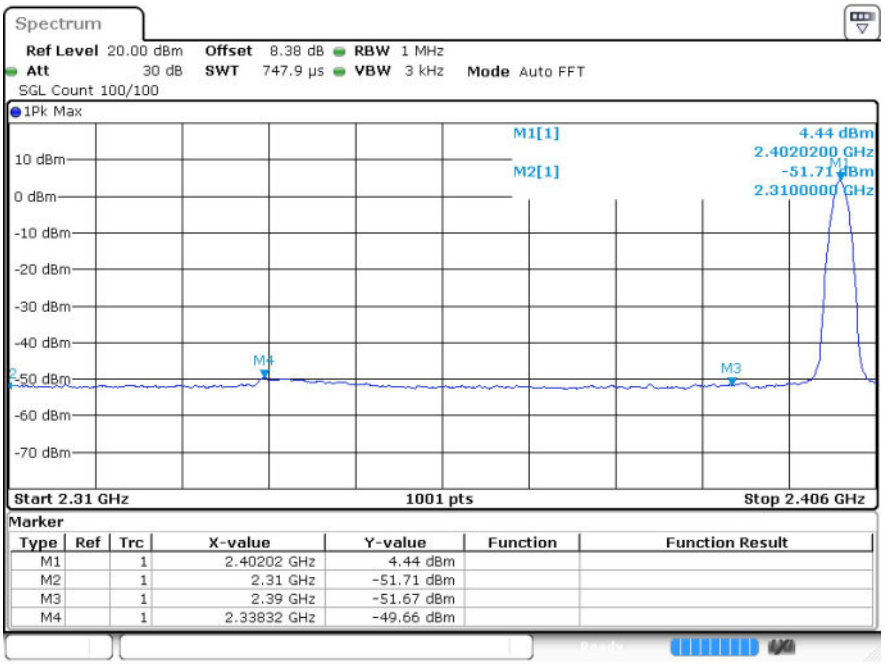
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



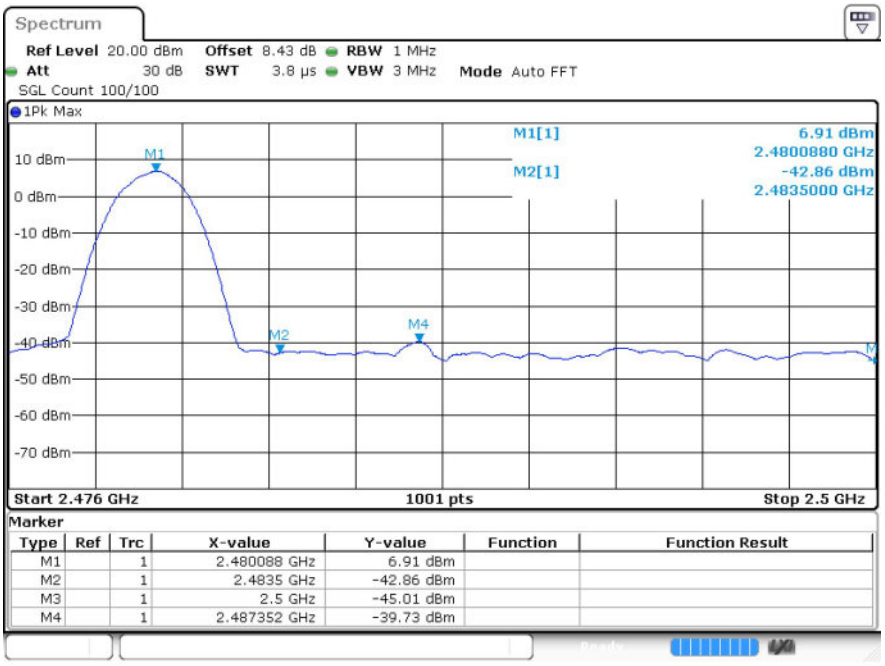
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



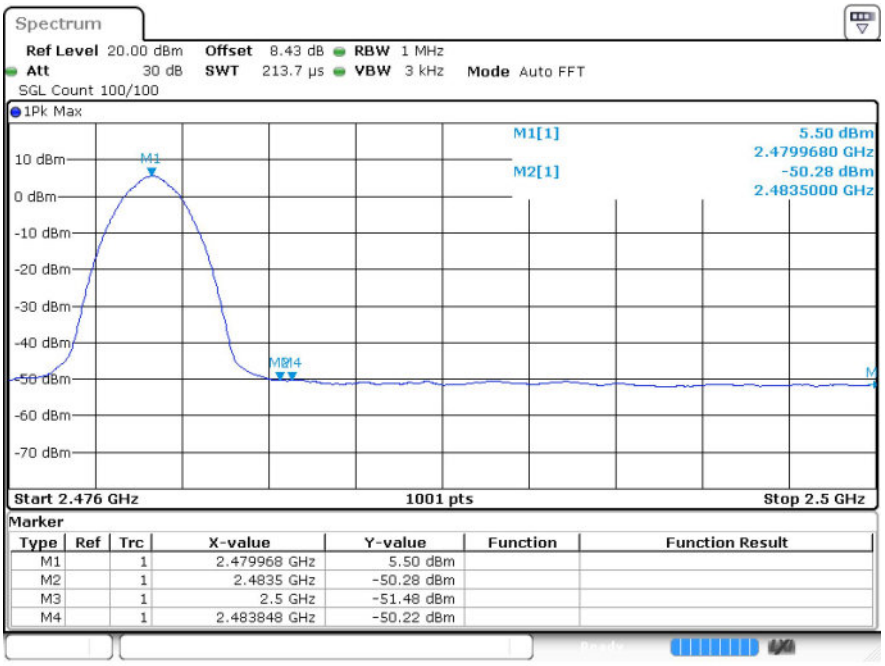
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.480088 GHz	6.91 dBm		
M2		1	2.4835 GHz	-42.86 dBm		
M3		1	2.5 GHz	-45.01 dBm		
M4		1	2.487352 GHz	-39.73 dBm		

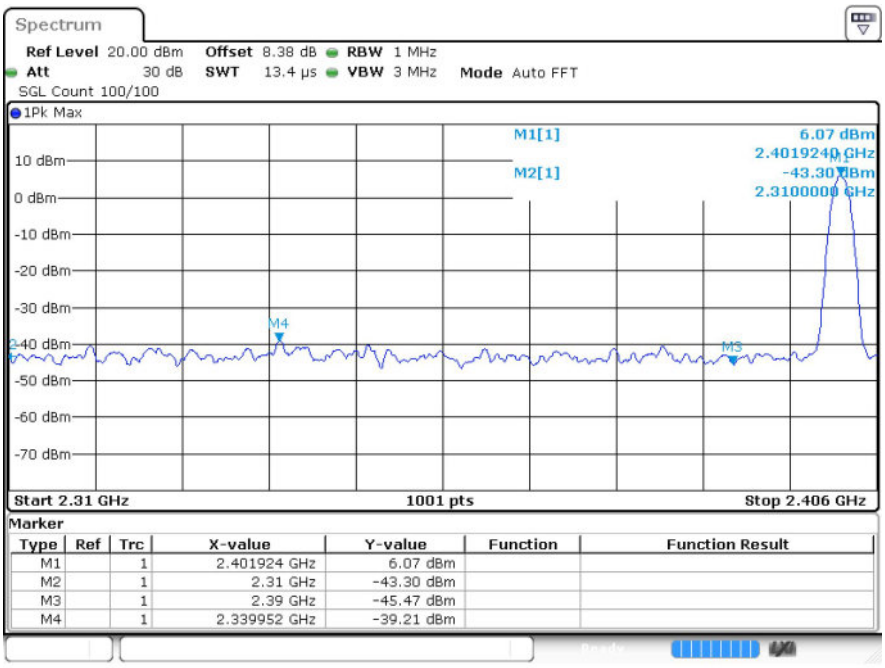
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



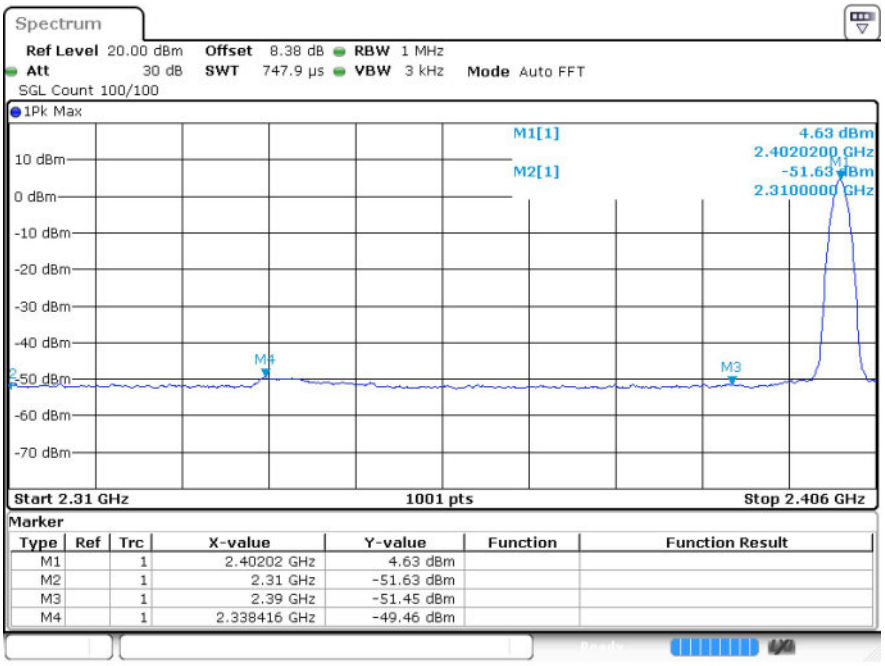
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.479968 GHz	5.50 dBm		
M2		1	2.4835 GHz	-50.28 dBm		
M3		1	2.5 GHz	-51.48 dBm		
M4		1	2.483848 GHz	-50.22 dBm		

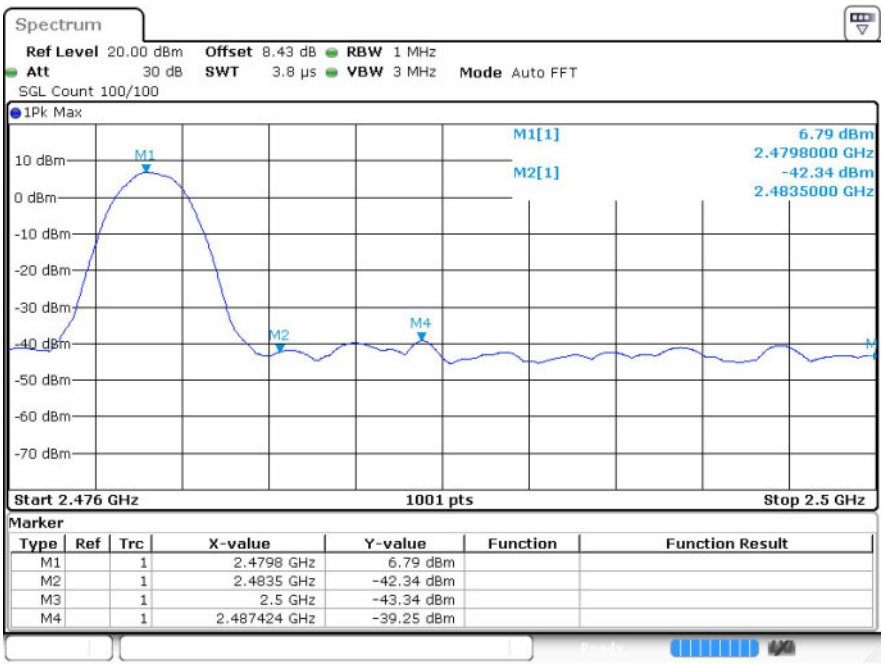
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



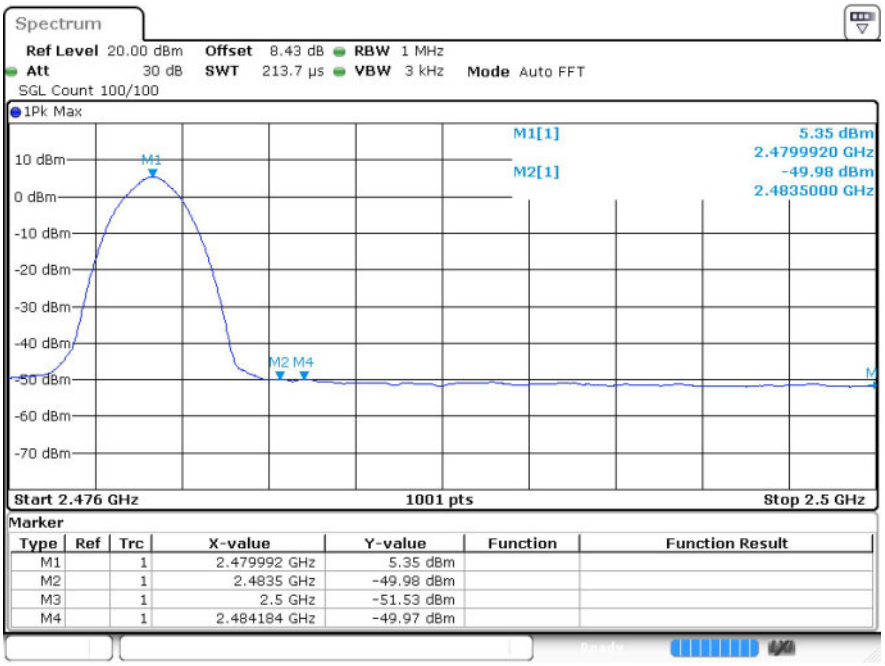
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)



---The End---