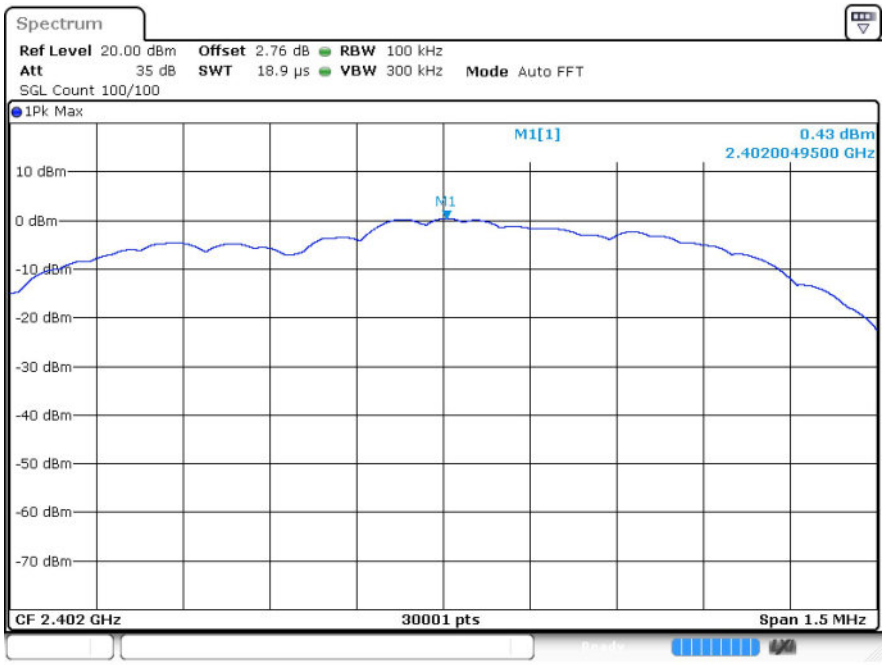
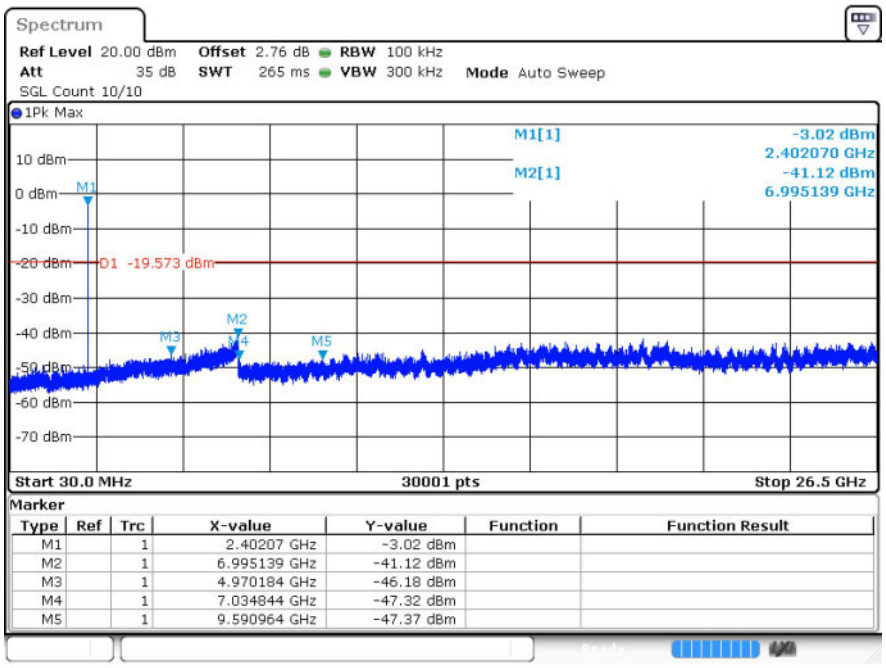
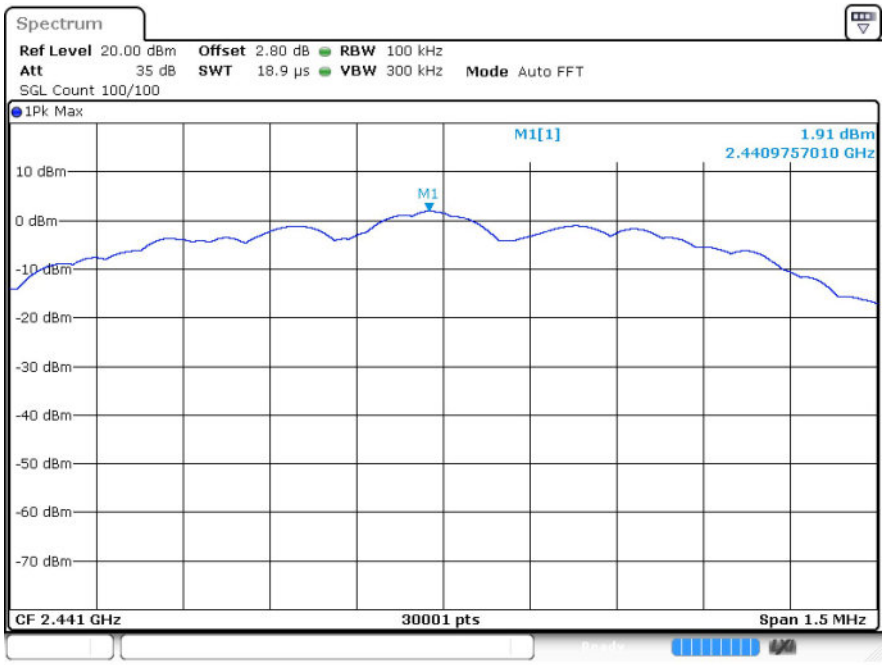
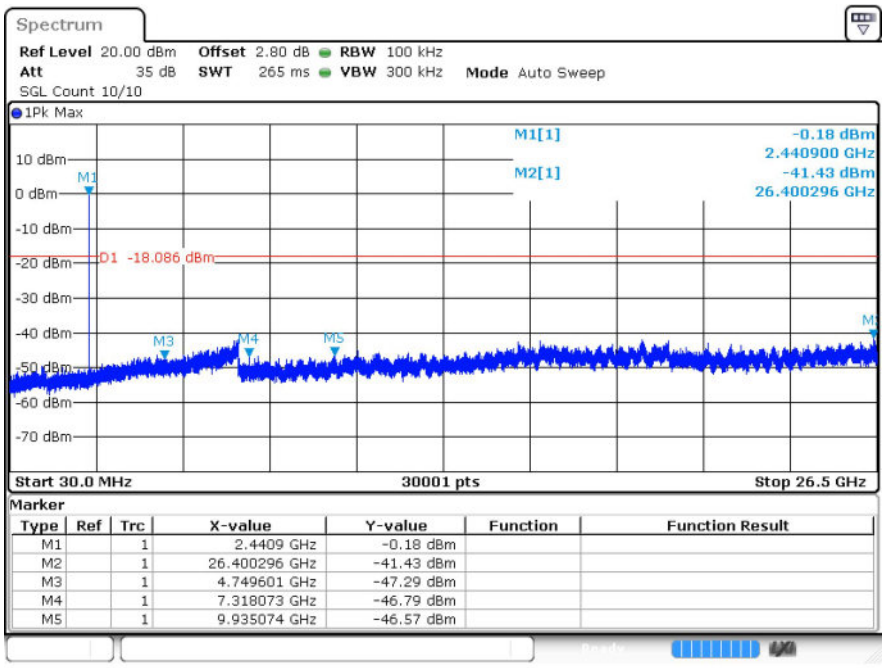
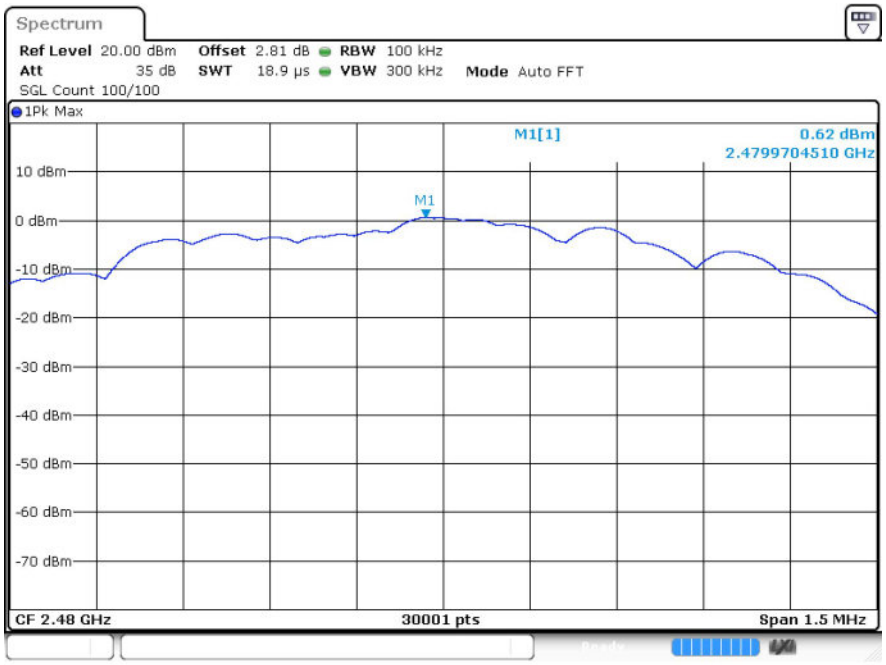
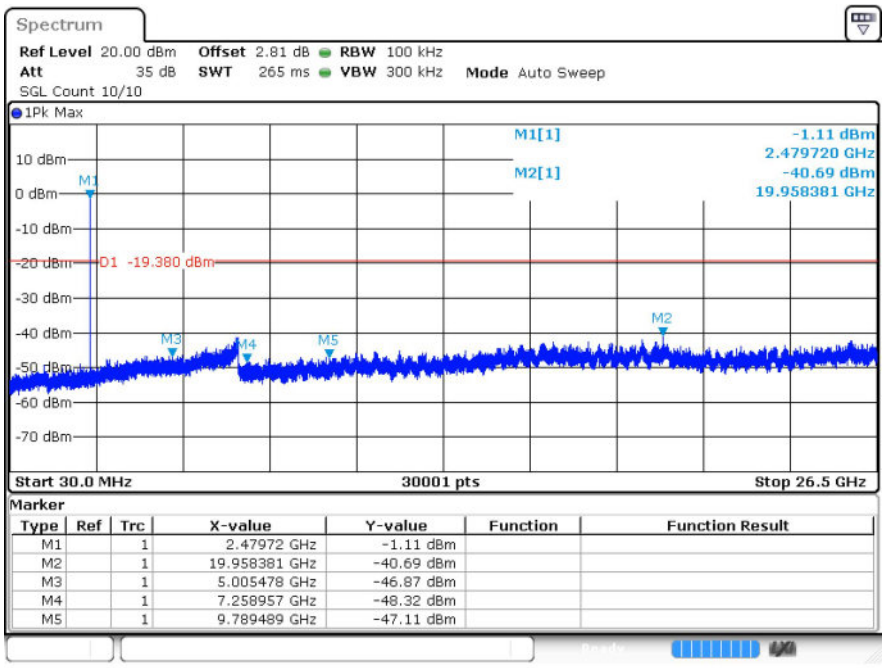
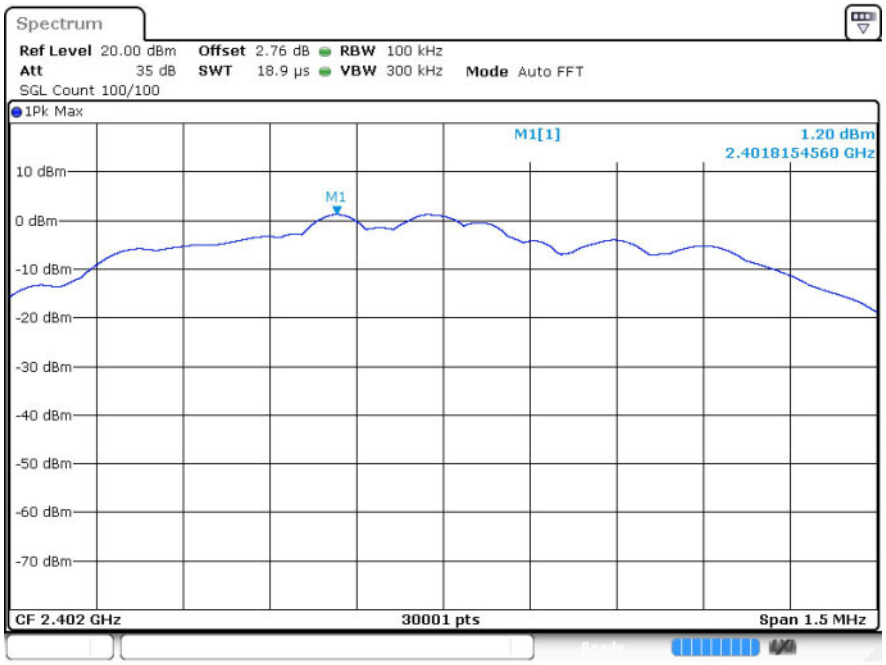
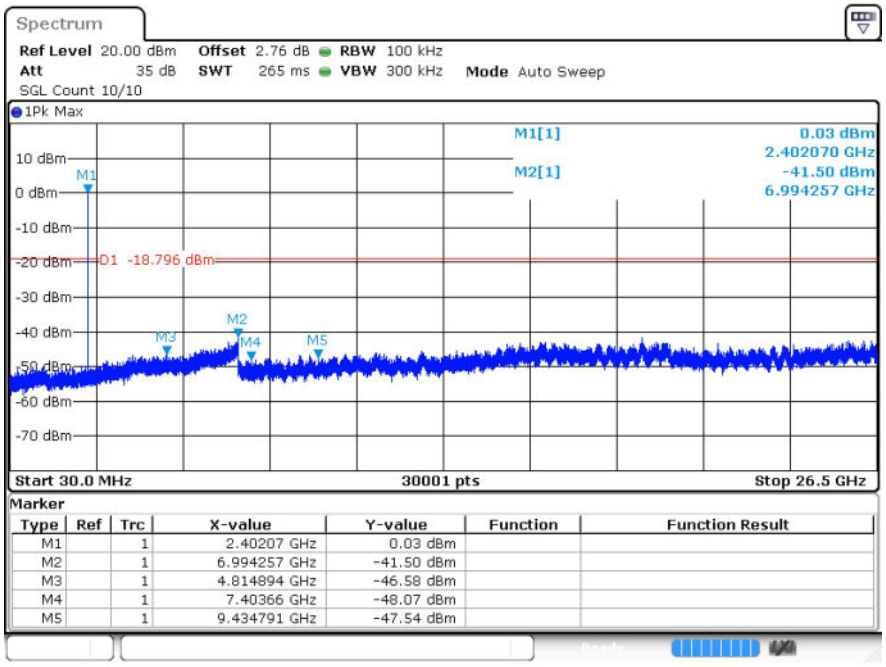
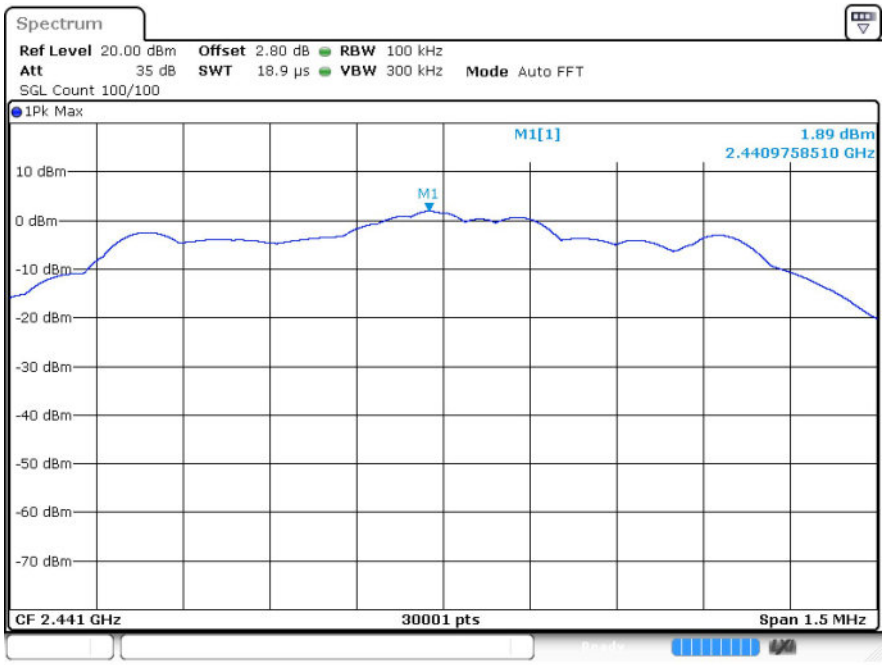
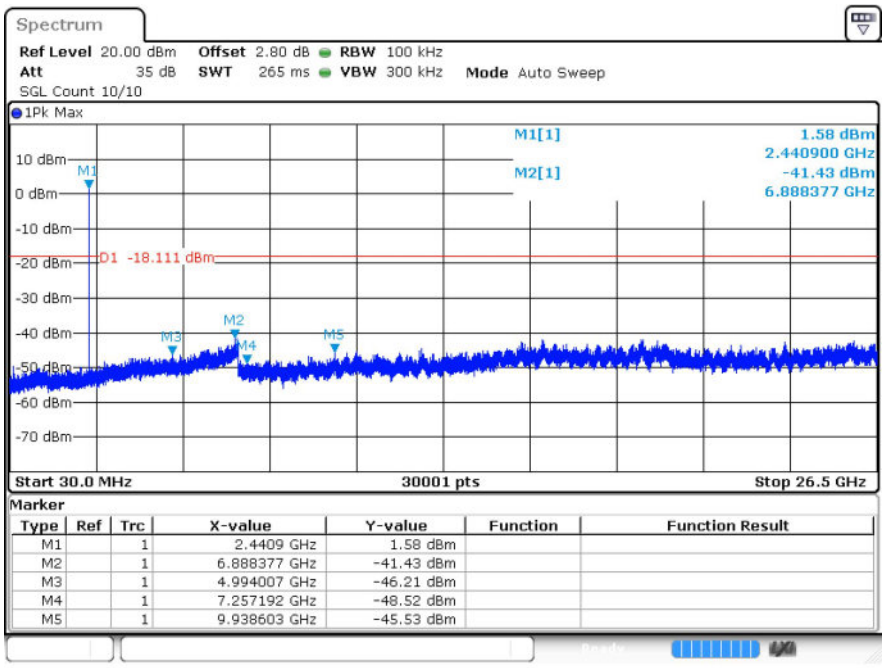
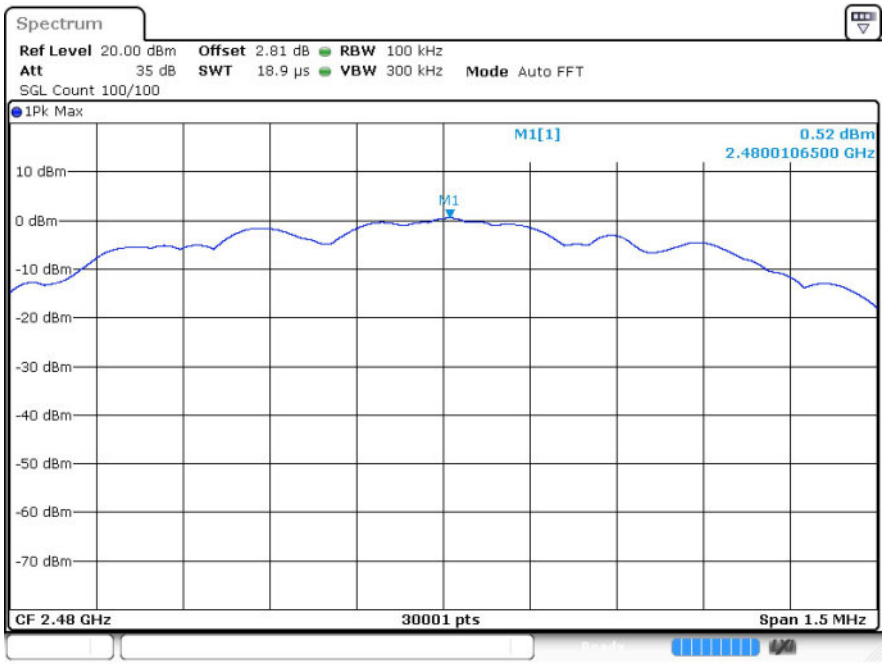
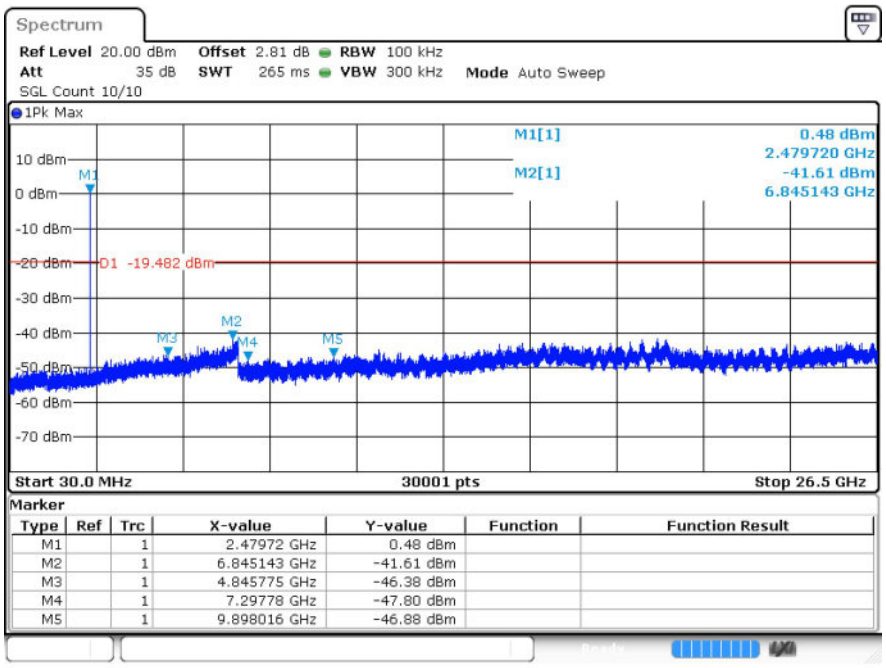
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

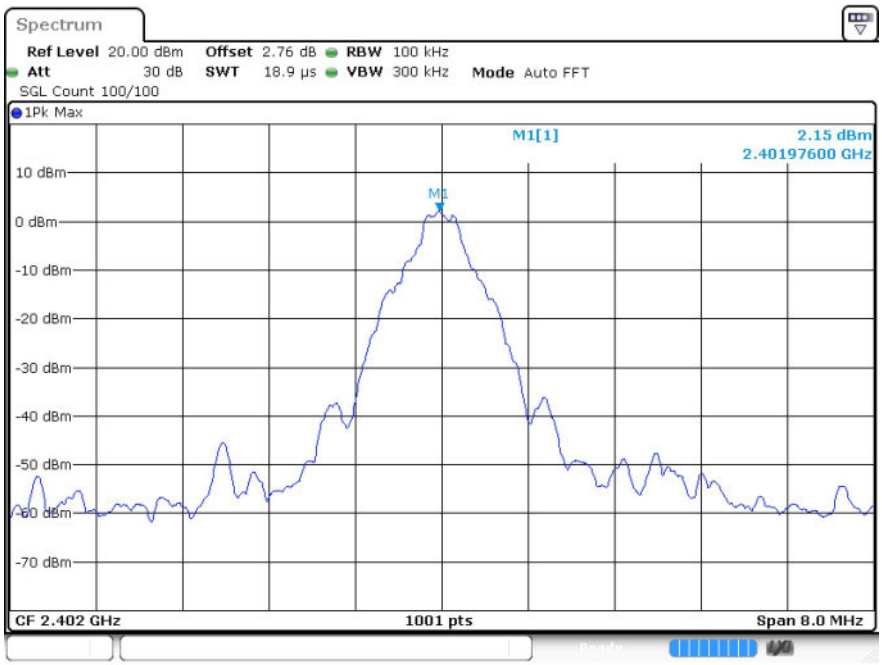
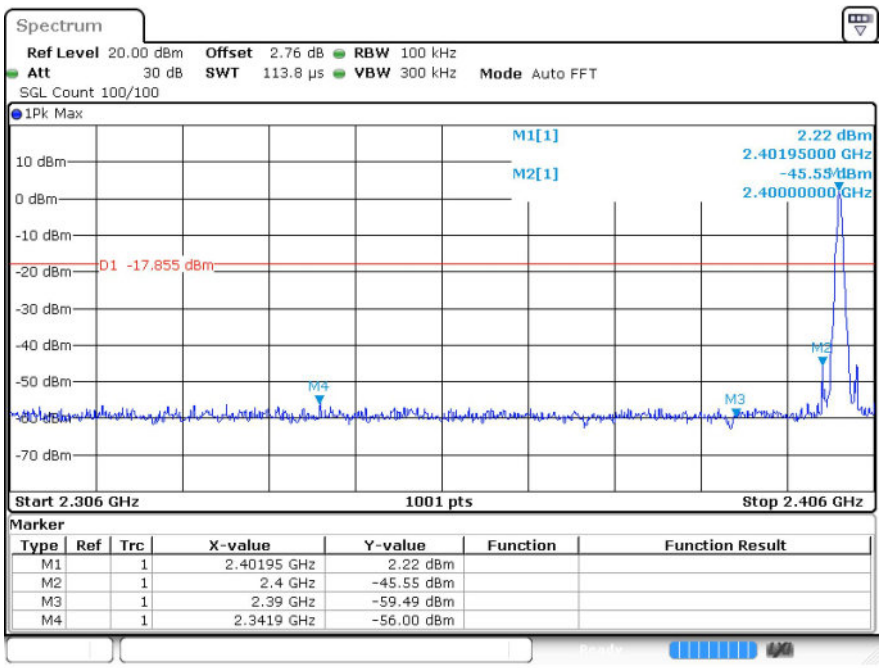
8DPSK_HCH_Graphs	
Pref	
Puw	

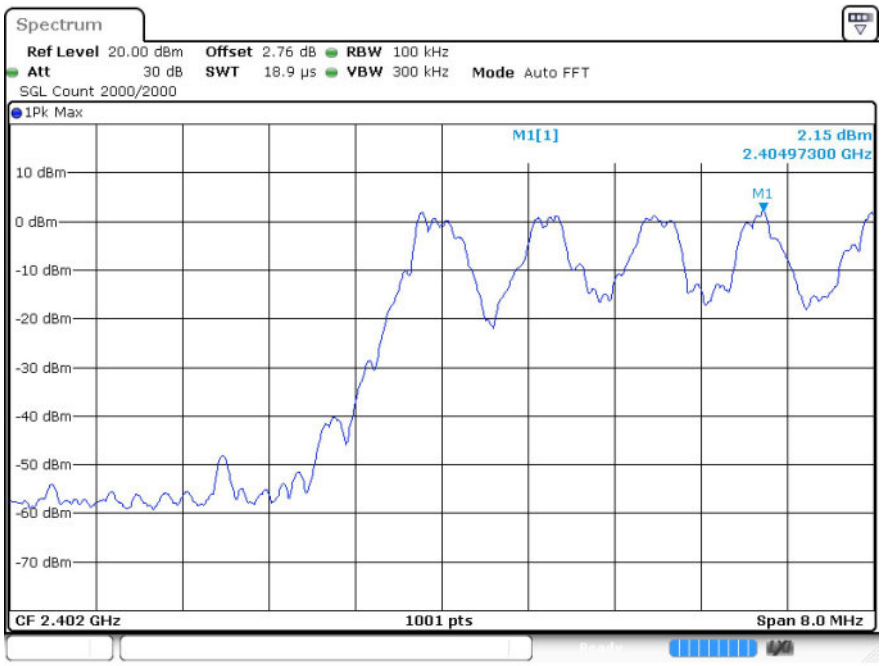
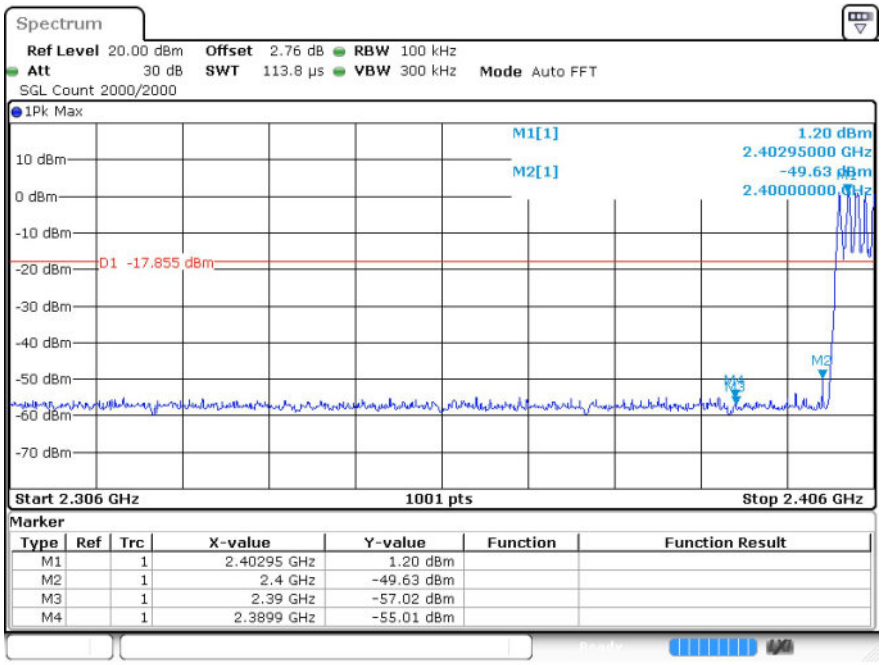
8 Band-edge for RF Conducted Emissions

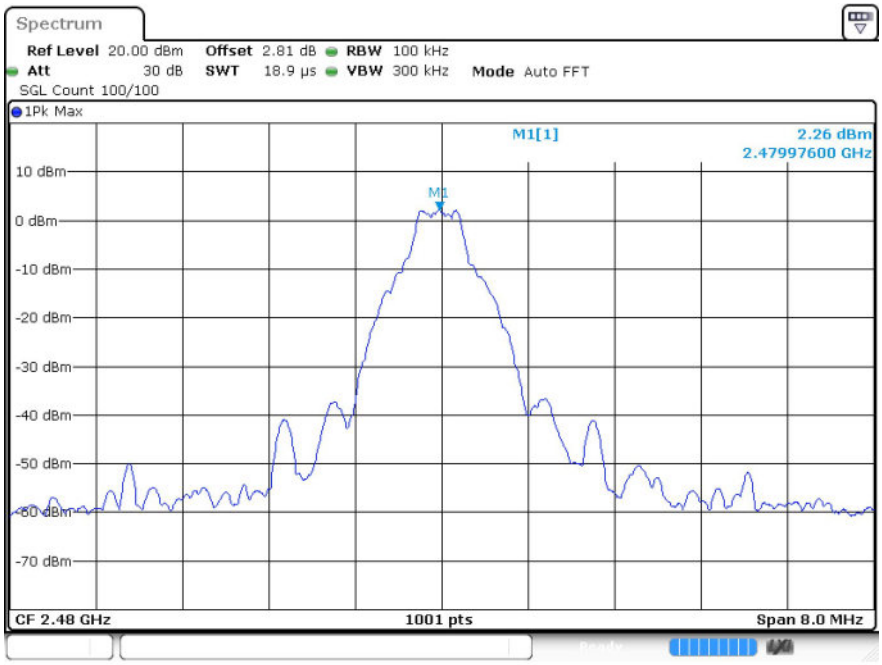
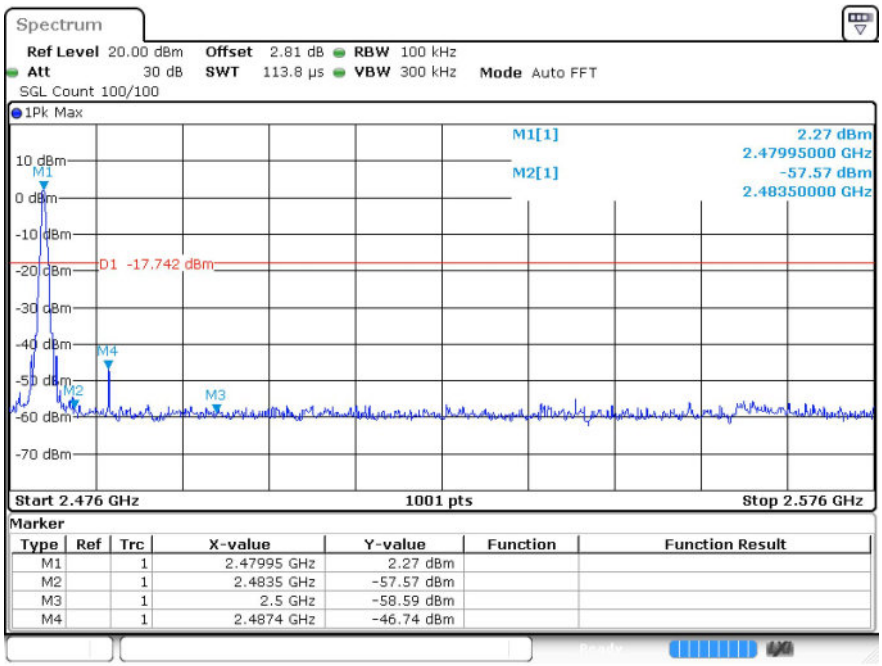
8.1 Test Result

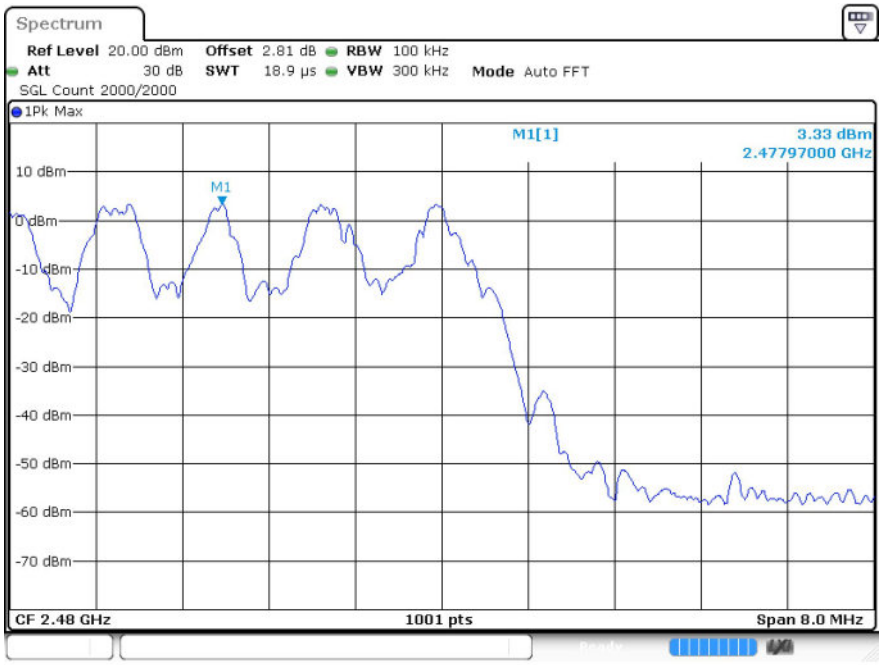
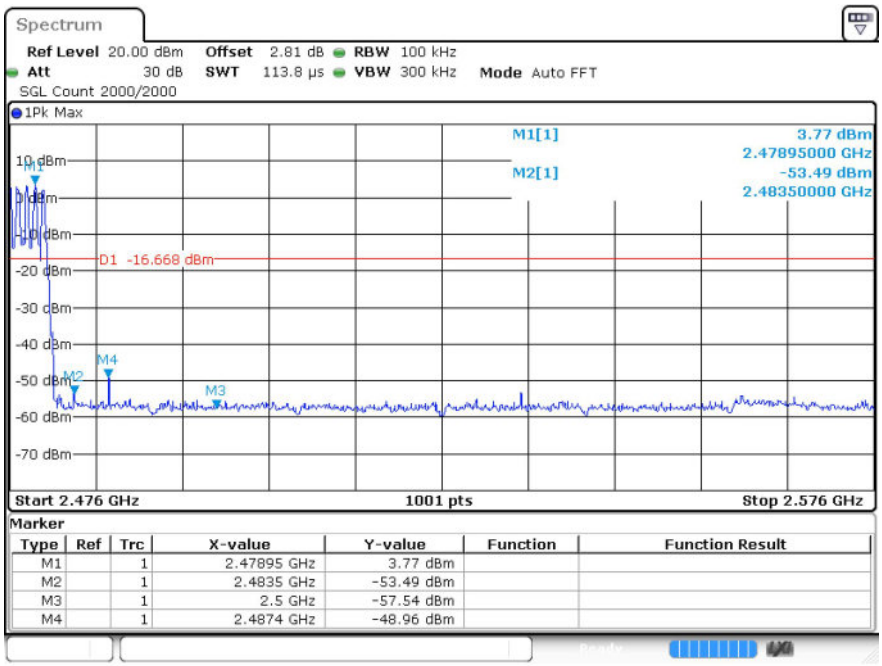
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-58.14	-20	Pass
			On	-57.16	-20	Pass
	HCH	2480	Off	-49	-20	Pass
			On	-52.29	-20	Pass
π/4DQPSK	LCH	2402	Off	-56.4	-20	Pass
			On	-55.6	-20	Pass
	HCH	2480	Off	-48.71	-20	Pass
			On	-57.7	-20	Pass
8DPSK	LCH	2402	Off	-57.47	-20	Pass
			On	-54.82	-20	Pass
	HCH	2480	Off	-48.78	-20	Pass
			On	-51.45	-20	Pass

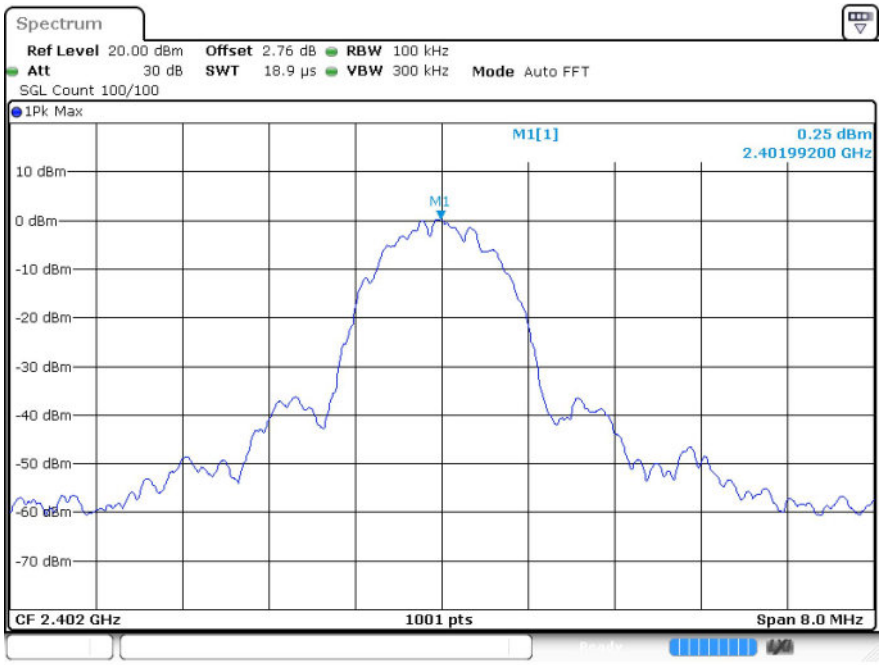
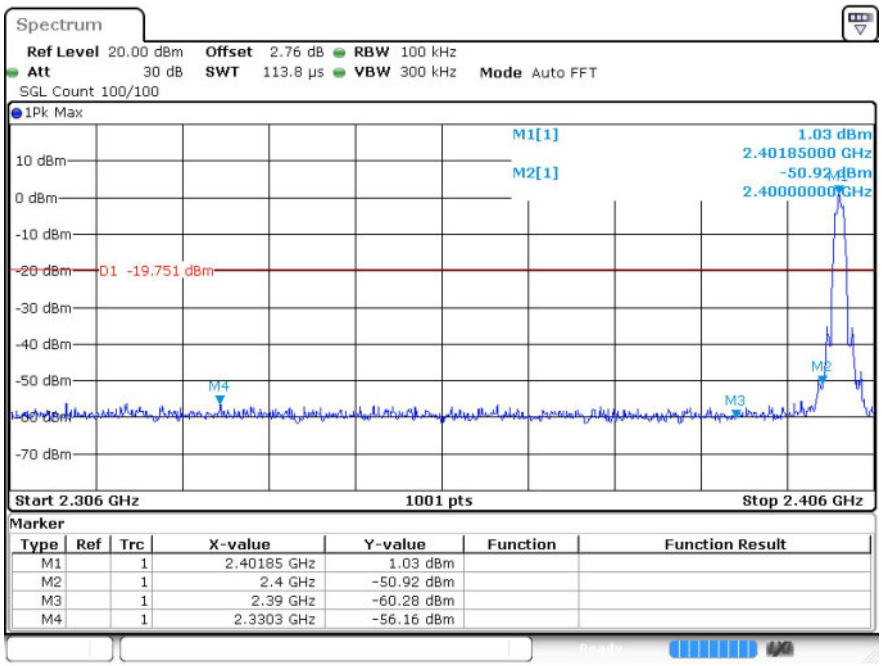
8.2 Test Graphs

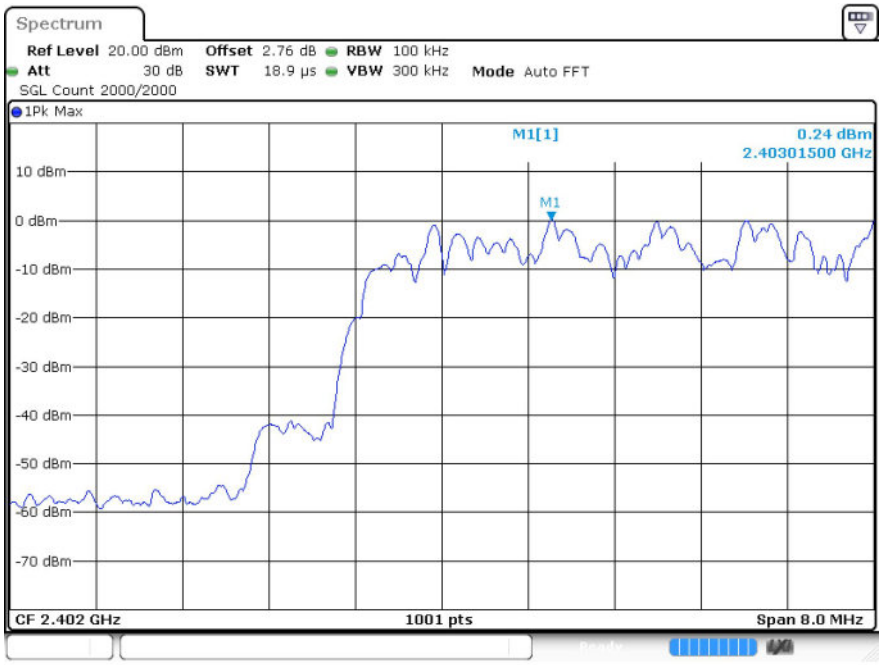
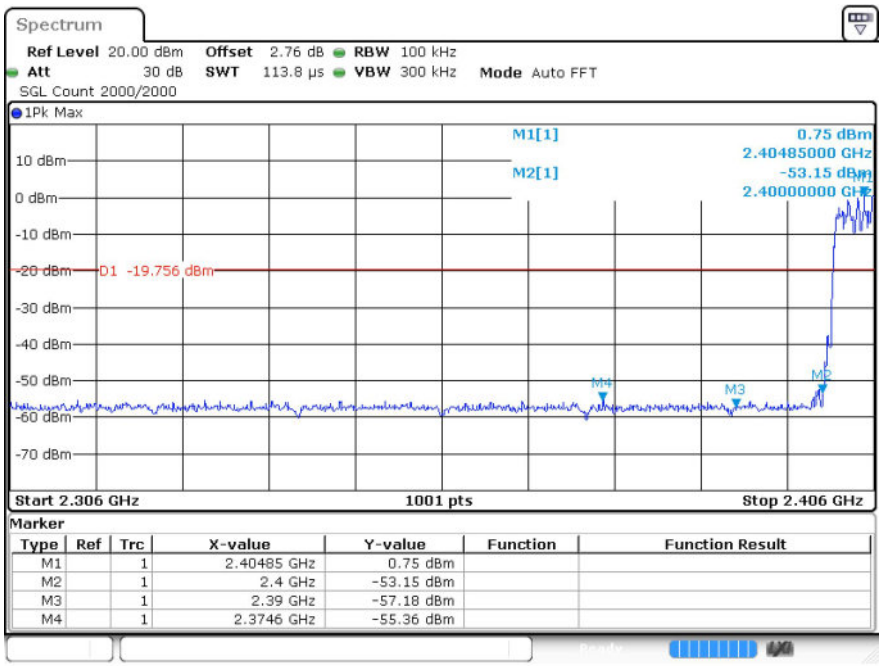
Test Graphs	
Pref	
GFSK/LCH/No Hop	

Ref	
GFSK/LCH/Hop	

Ref	
GFSK/HCH/No Hop	

Ref.	
GFSK/HCH/Hop	

Ref	
π/4DQPSK/LCH/No Hop	

Ref	
π/4DQPSK/LCH/Hop	

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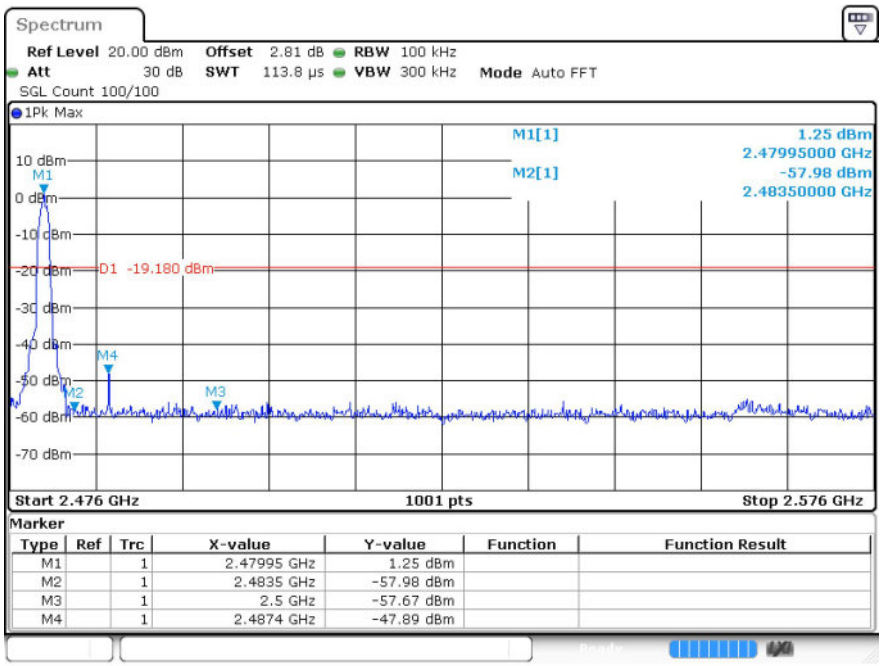
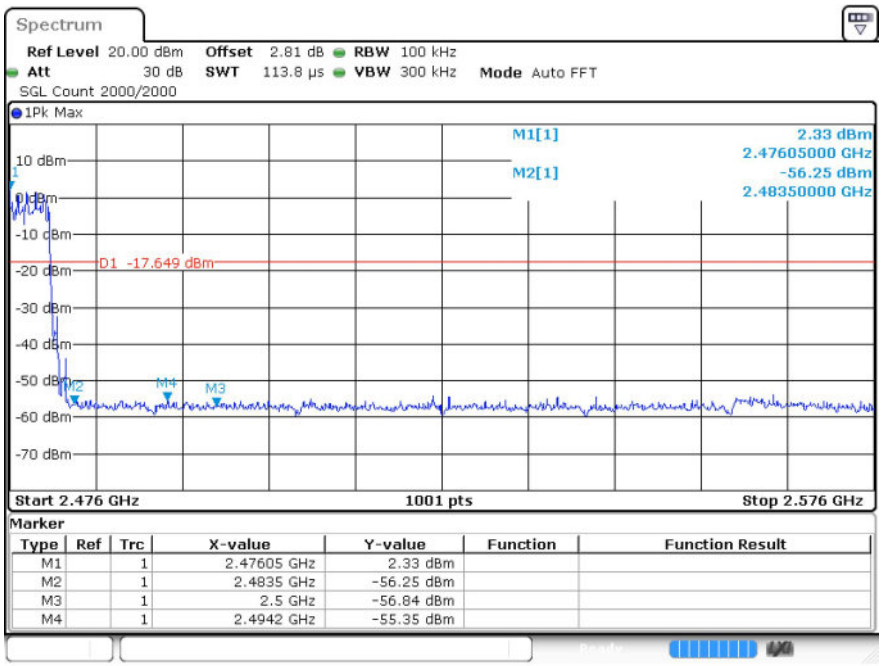
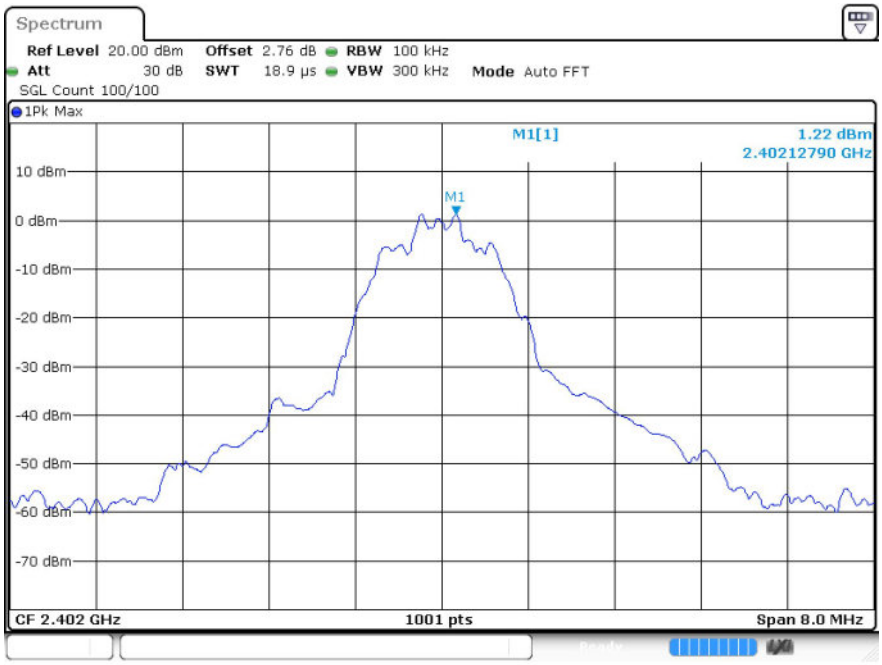
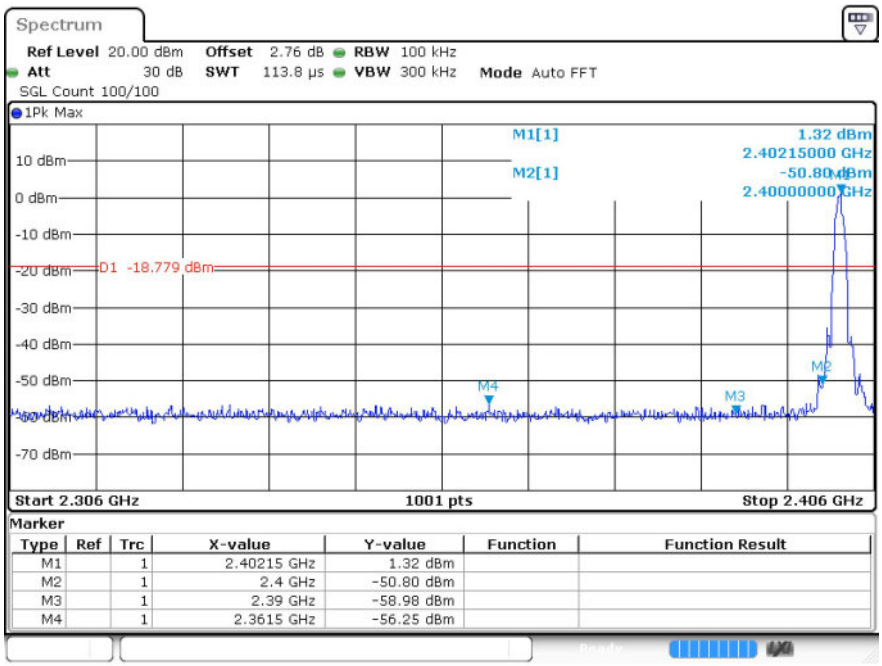
π/4DQPSK/HCH/No Hop	

Ref	
π/4DQPSK/HCH/Hop	

Ref	
8DPSK/LCH/No Hop	

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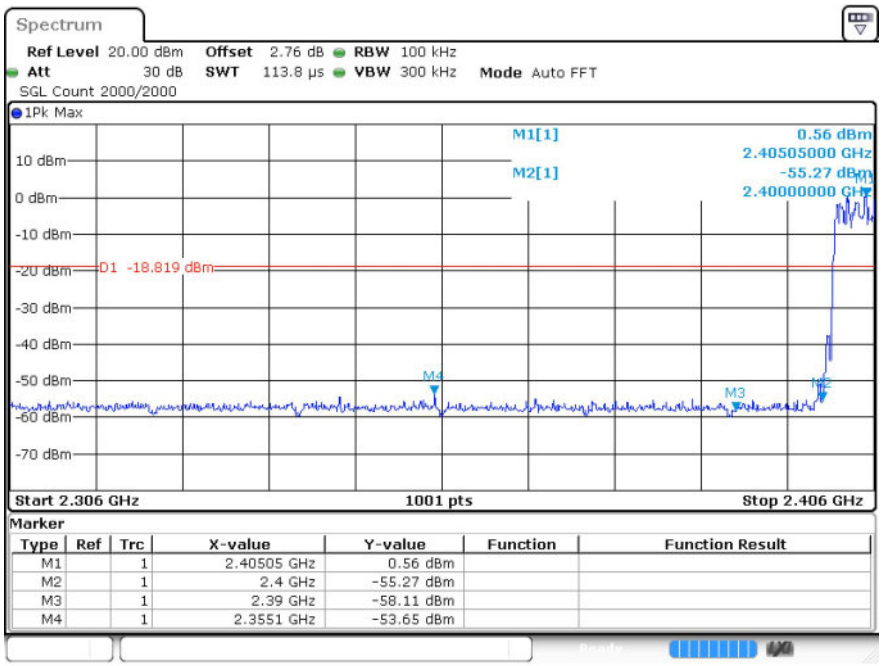
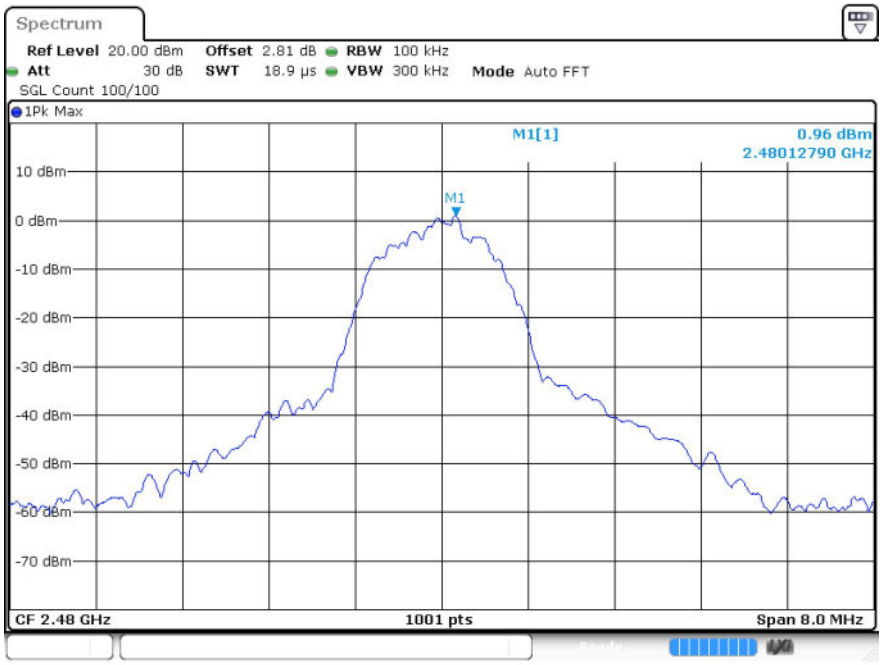
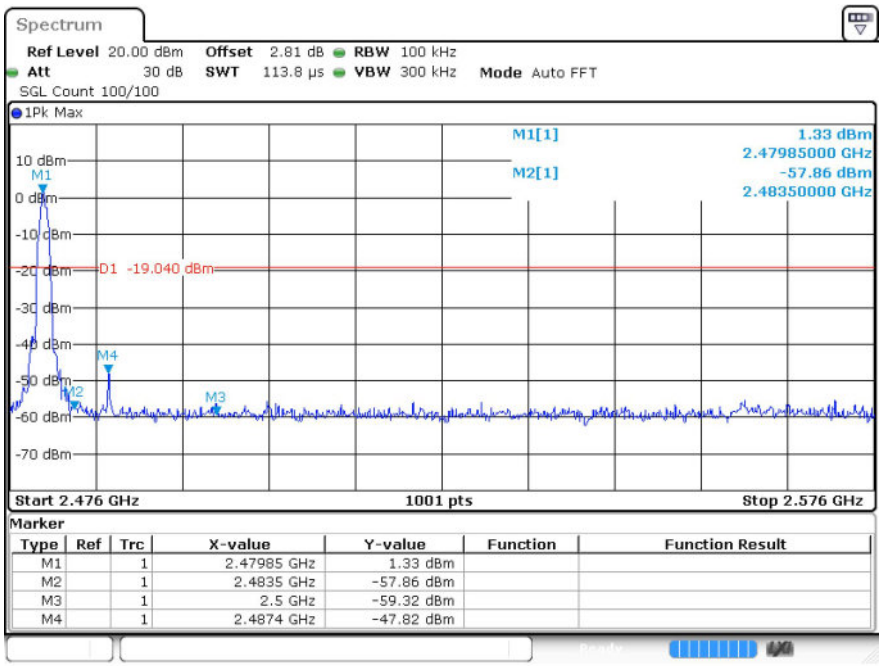
8DPSK/LCH/Hop	

Ref	
8DPSK/HCH/No Hop	

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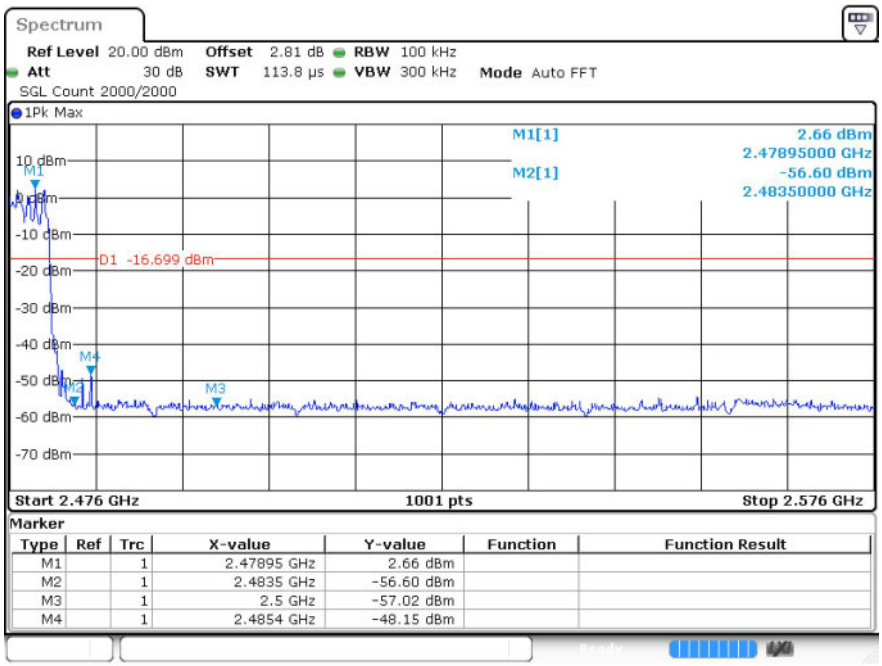
8DPSK/HCH/Hop	

9 Restrict-band band-edge measurements

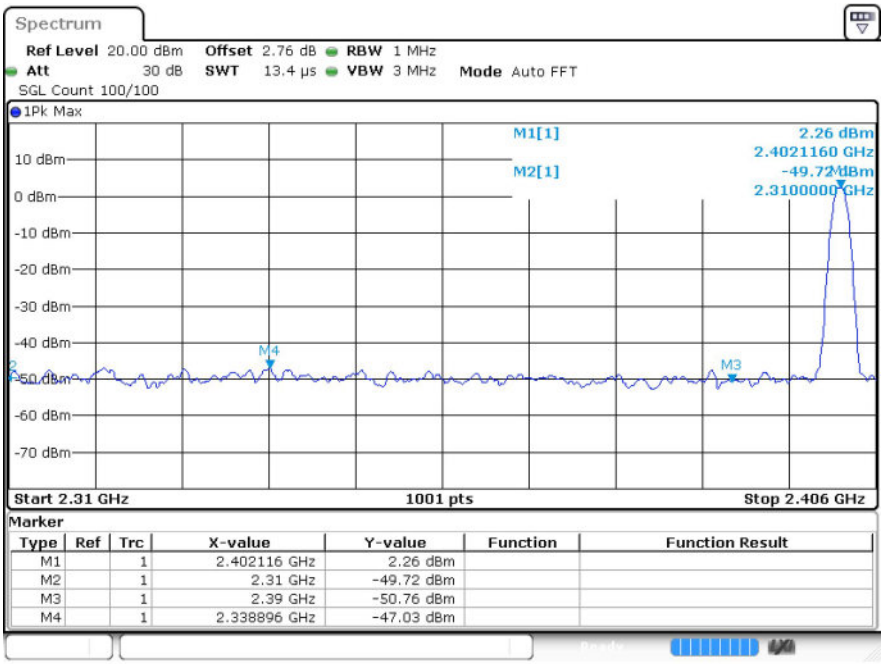
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.72	2	-	47.54	PEAK	74	Pass
	Off	2310.0	-56.94	2	5.02	45.34	AV	54	Pass
	Off	2338.896	-47.02	2	-	50.24	PEAK	74	Pass
	Off	2337.936	-54.79	2	5.02	47.49	AV	54	Pass
	Off	2390.0	-50.76	2	-	46.5	PEAK	74	Pass
	Off	2390.0	-56.47	2	5.02	45.81	AV	54	Pass
	Off	2483.5	-50.92	2	-	46.34	PEAK	74	Pass
	Off	2483.5	-56.02	2	5.06	46.3	AV	54	Pass
	Off	2487.424	-46.89	2	-	50.37	PEAK	74	Pass
	Off	2484.232	-55.61	2	5.06	46.71	AV	54	Pass
	Off	2500.0	-49.55	2	-	47.71	PEAK	74	Pass
	Off	2500.0	-56.14	2	5.06	46.18	AV	54	Pass
π/4DQPSK	Off	2310.0	-49.29	2	-	47.97	PEAK	74	Pass
	Off	2310.0	-56.77	2	4.95	45.44	AV	54	Pass
	Off	2339.952	-44.47	2	-	52.79	PEAK	74	Pass
	Off	2341.776	-54.91	2	4.95	47.3	AV	54	Pass
	Off	2390.0	-50.25	2	-	47.01	PEAK	74	Pass
	Off	2390.0	-56.89	2	4.95	45.32	AV	54	Pass
	Off	2483.5	-45.79	2	-	51.47	PEAK	74	Pass
	Off	2483.5	-55.82	2	4.95	46.39	AV	54	Pass
	Off	2483.512	-45.87	2	-	51.39	PEAK	74	Pass
	Off	2491.504	-55.57	2	4.95	46.64	AV	54	Pass
	Off	2500.0	-47.46	2	-	49.8	PEAK	74	Pass
	Off	2500.0	-56.86	2	4.95	45.35	AV	54	Pass
8DPSK	Off	2310.0	-49.55	2	-	47.71	PEAK	74	Pass
	Off	2310.0	-57.48	2	4.95	44.73	AV	54	Pass
	Off	2379.408	-46.65	2	-	50.61	PEAK	74	Pass
	Off	2339.472	-54.9	2	4.95	47.31	AV	54	Pass

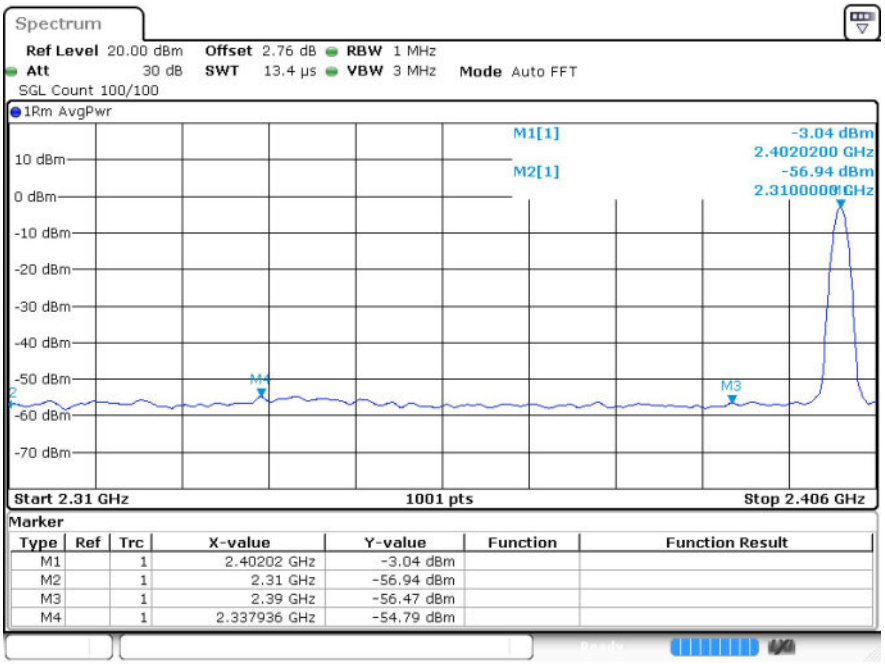
	Off	2390.0	-50.41	2	-	46.85	PEAK	74	Pass
	Off	2390.0	-56.58	2	4.95	45.63	AV	54	Pass
	Off	2483.5	-48.53	2	-	48.73	PEAK	74	Pass
	Off	2483.5	-56.4	2	4.95	45.81	AV	54	Pass
	Off	2487.496	-46.73	2	-	50.53	PEAK	74	Pass
	Off	2488.984	-54.74	2	4.95	47.47	AV	54	Pass
	Off	2500.0	-51.83	2	-	45.43	PEAK	74	Pass
	Off	2500.0	-56.31	2	4.95	45.9	AV	54	Pass

9.2 Test Graphs

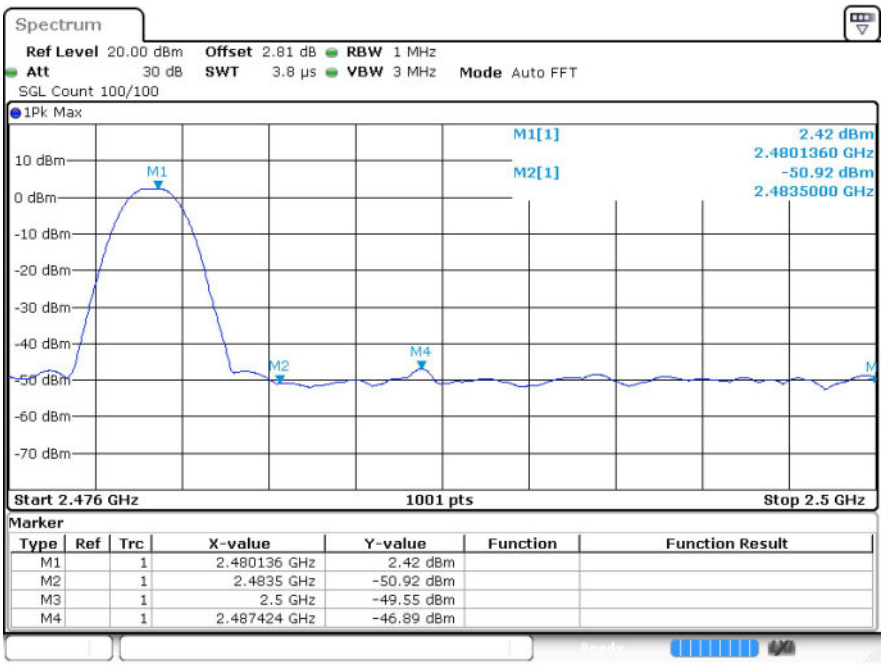
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



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



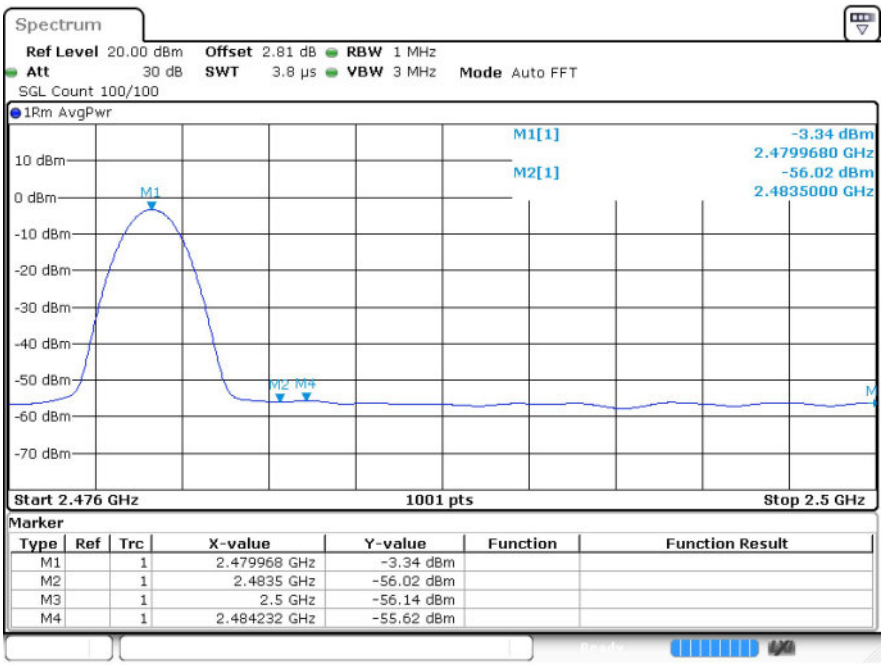
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.480136 GHz	2.42 dBm		
M2		1	2.4835 GHz	-50.92 dBm		
M3		1	2.5 GHz	-49.55 dBm		
M4		1	2.487424 GHz	-46.89 dBm		

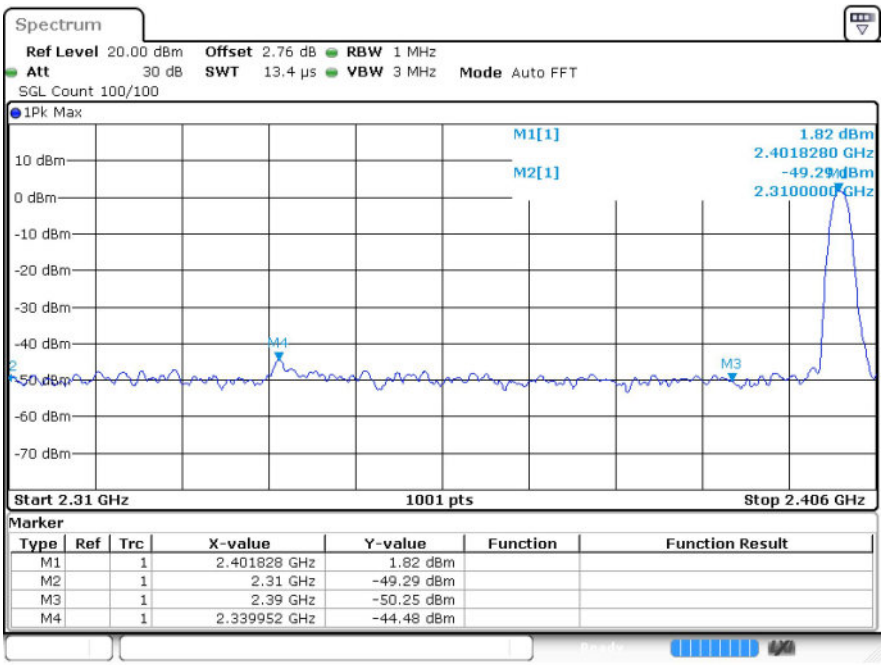
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



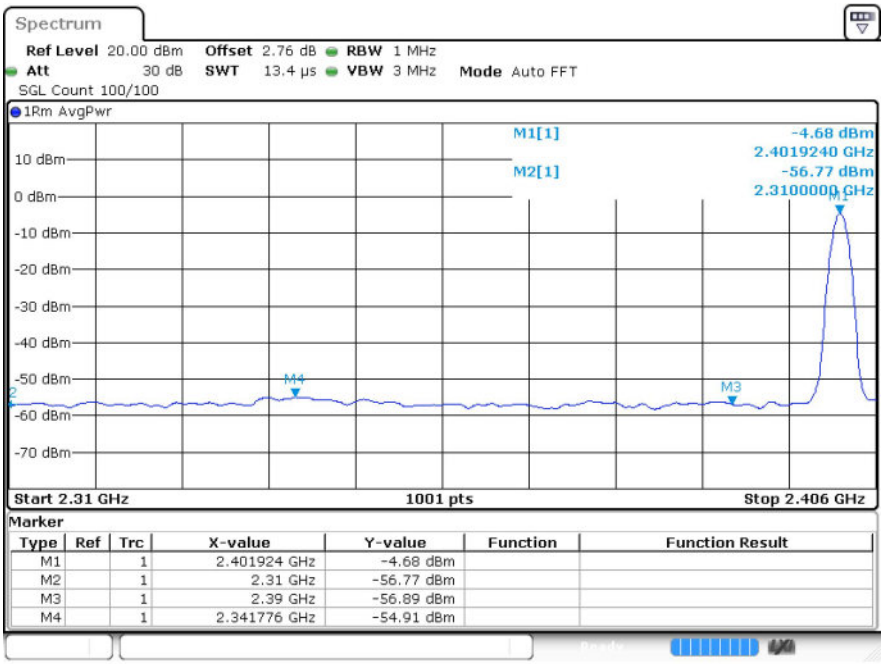
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.479968 GHz	-3.34 dBm		
M2		1	2.4835 GHz	-56.02 dBm		
M3		1	2.5 GHz	-56.14 dBm		
M4		1	2.484232 GHz	-55.62 dBm		

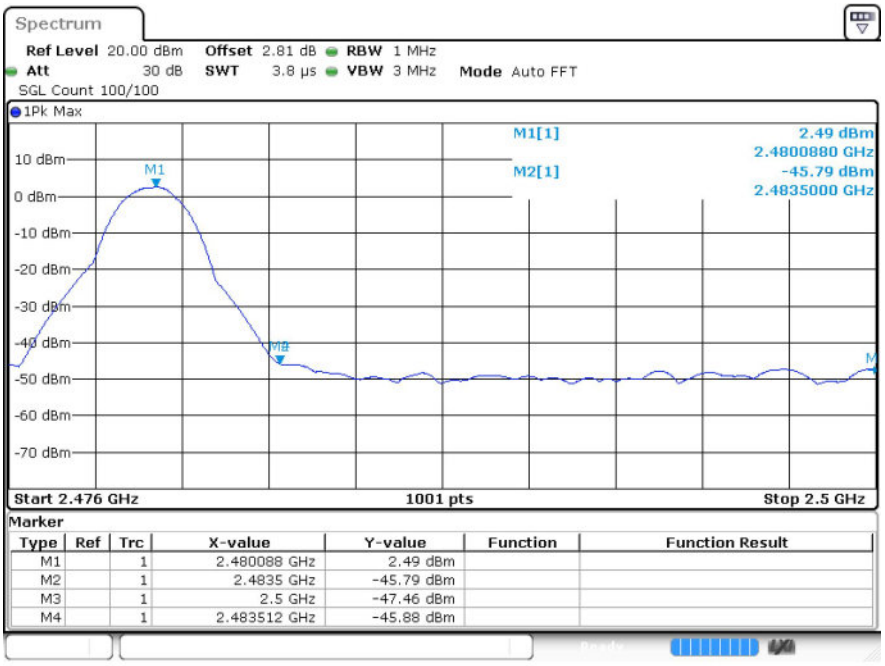
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



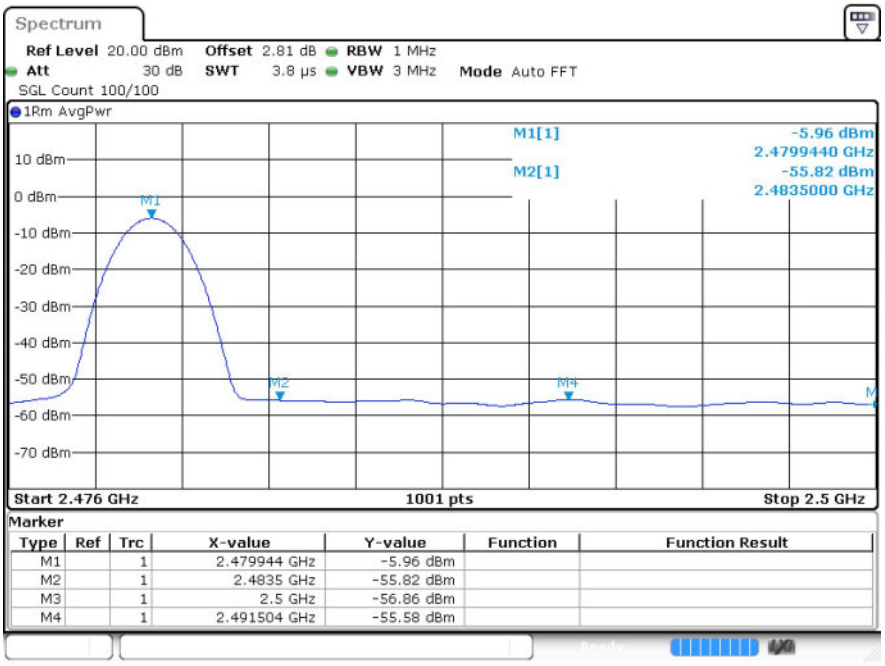
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



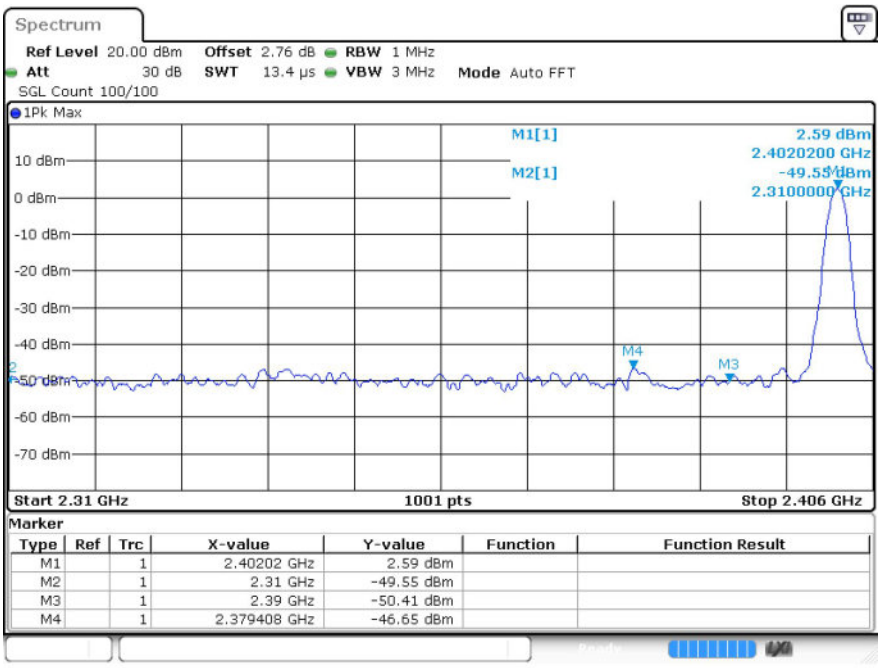
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



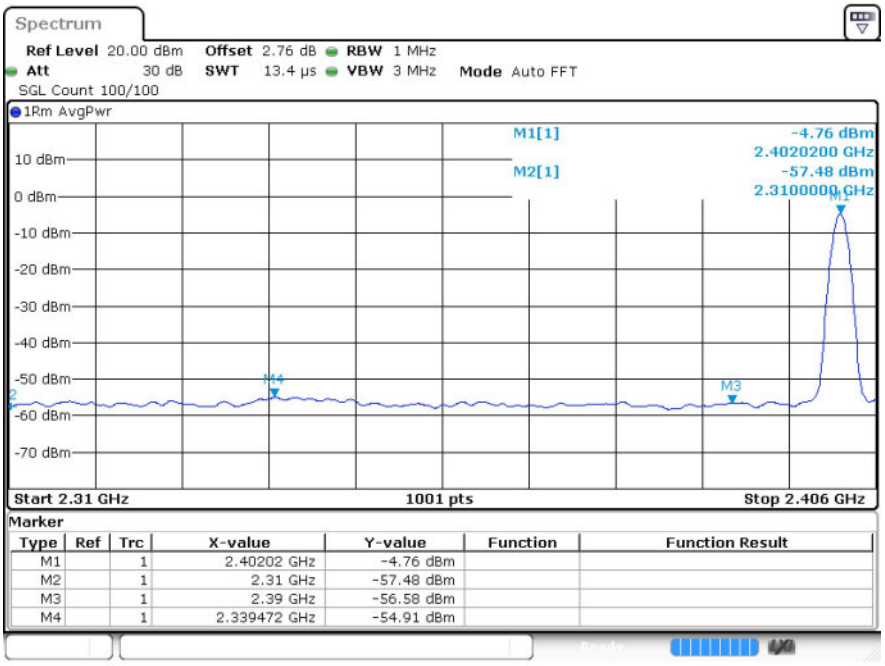
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



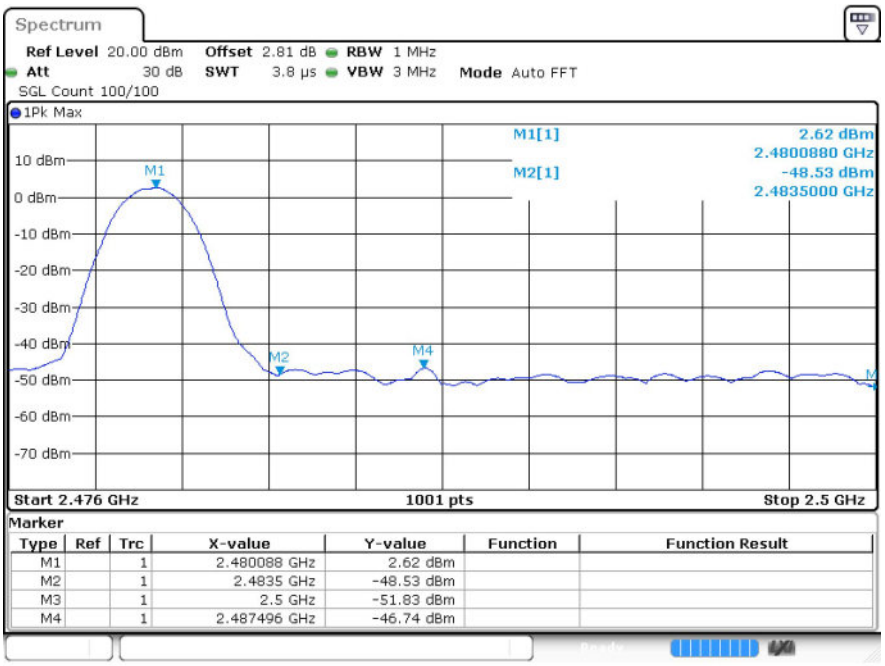
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



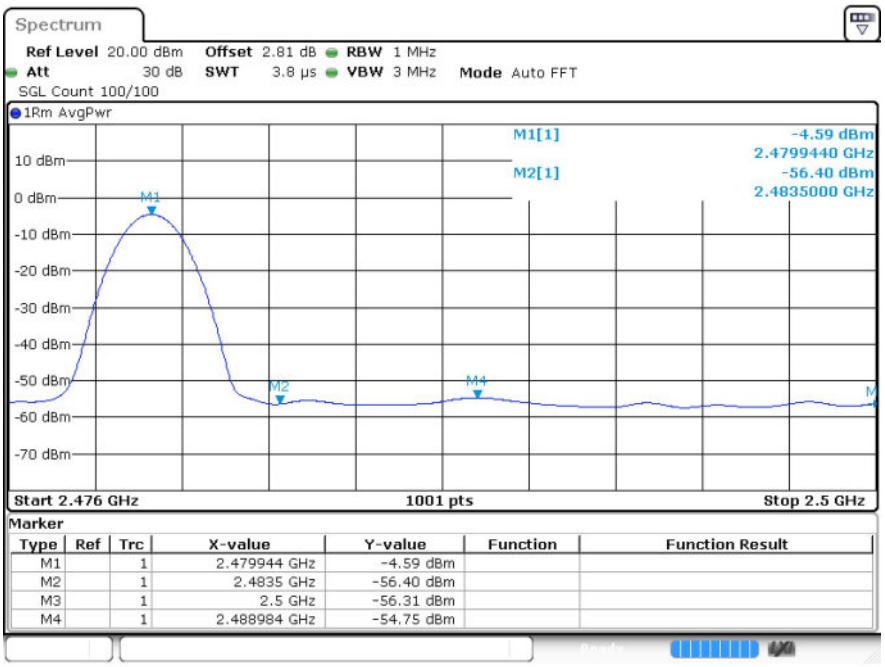
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---