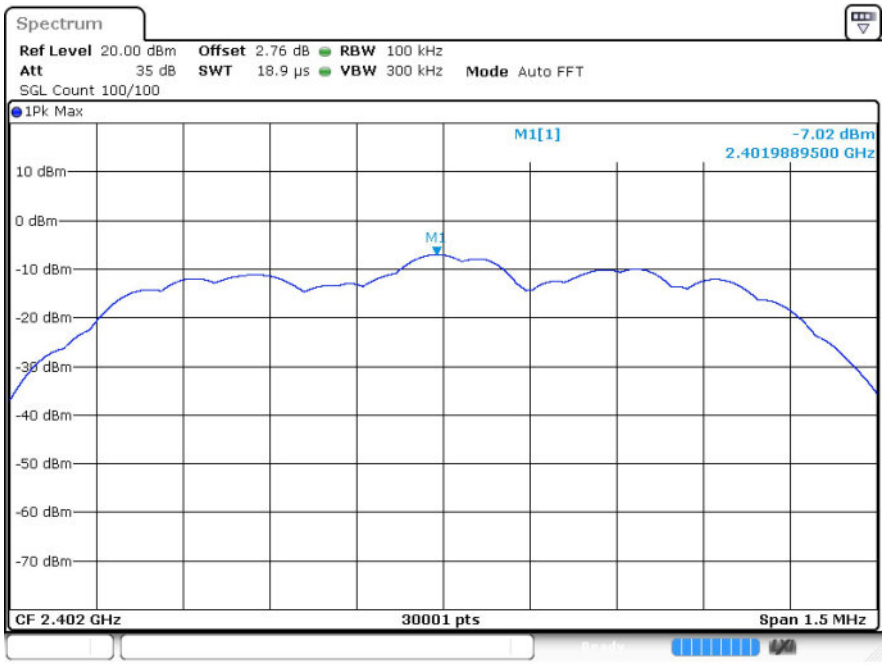
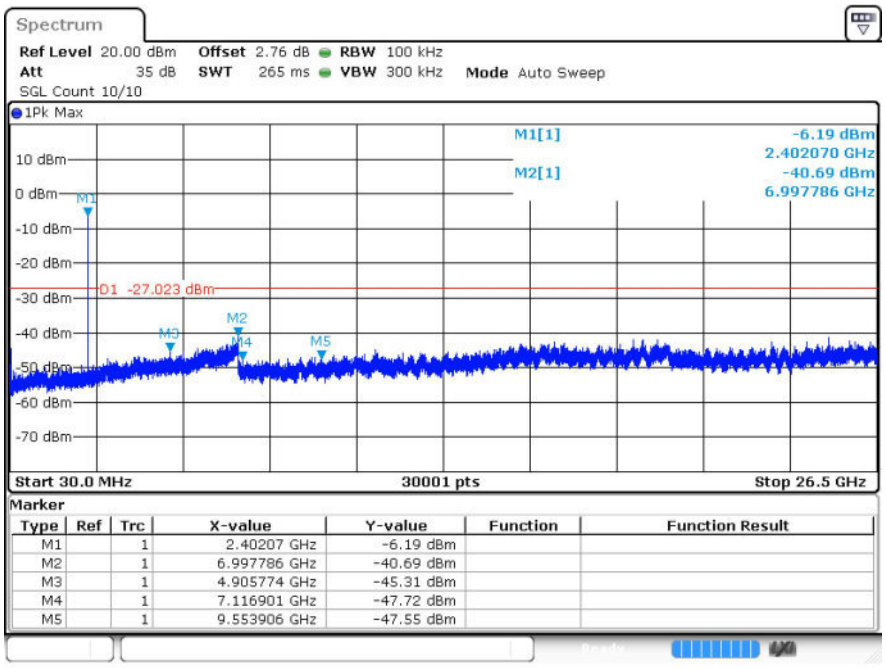
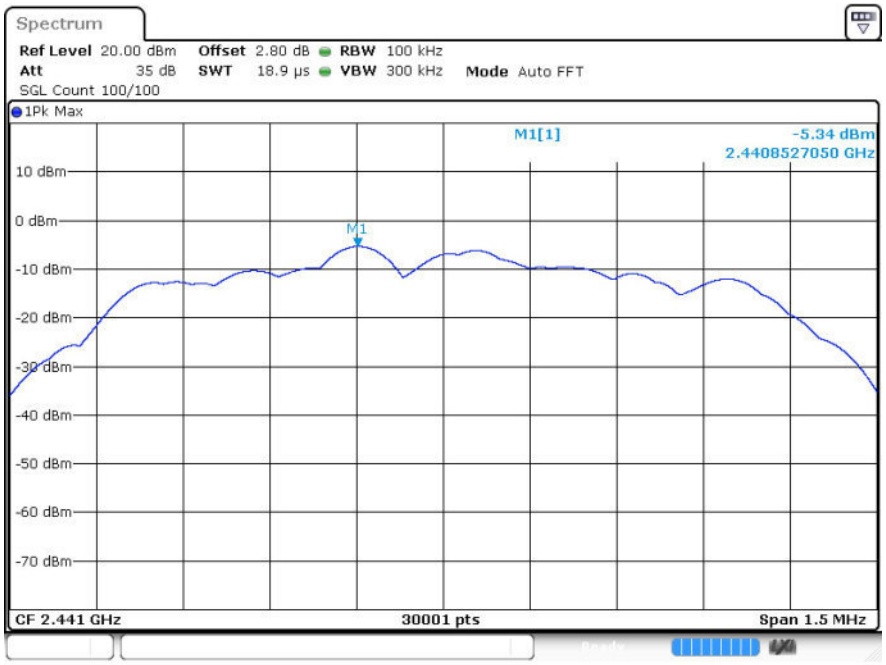
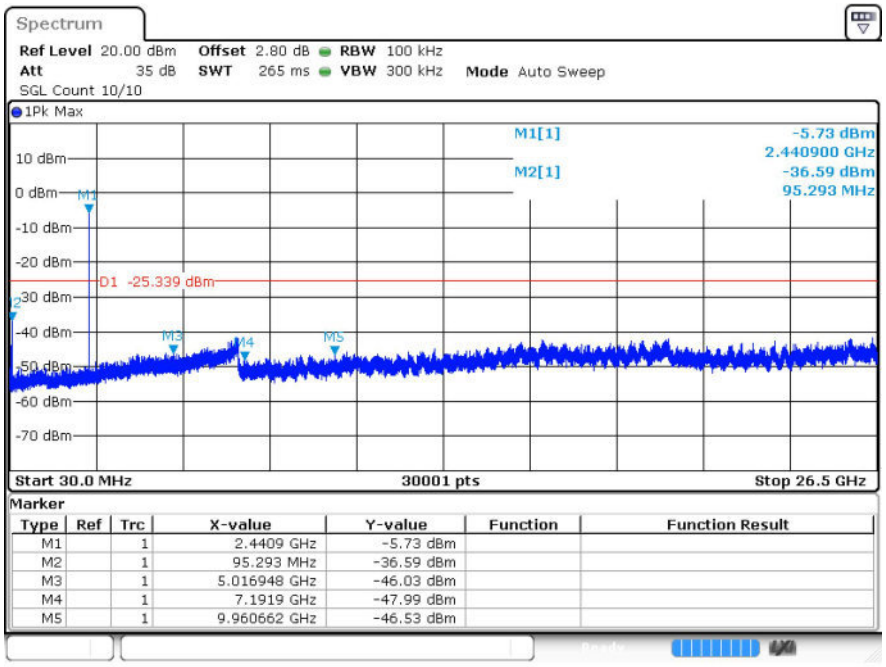
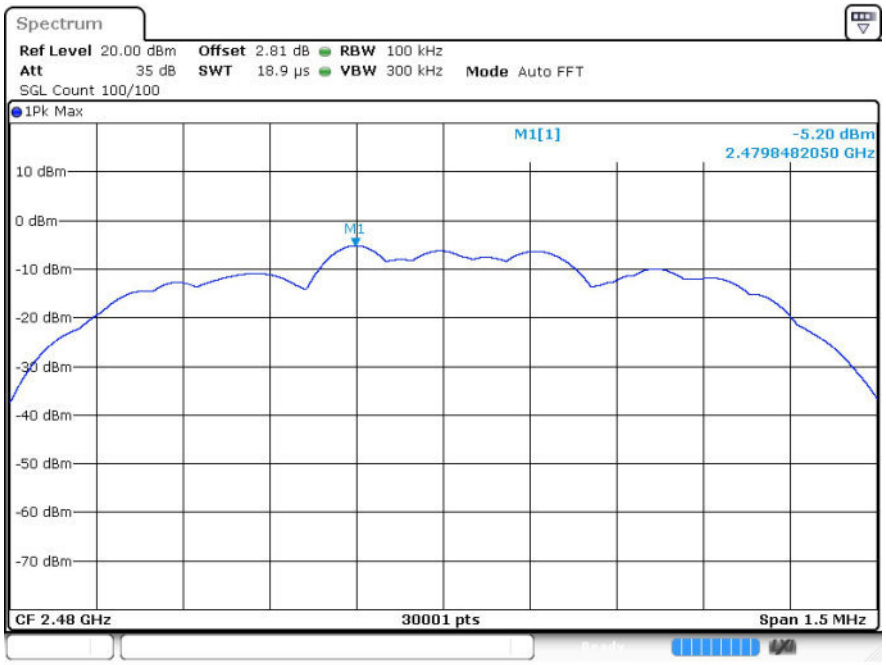
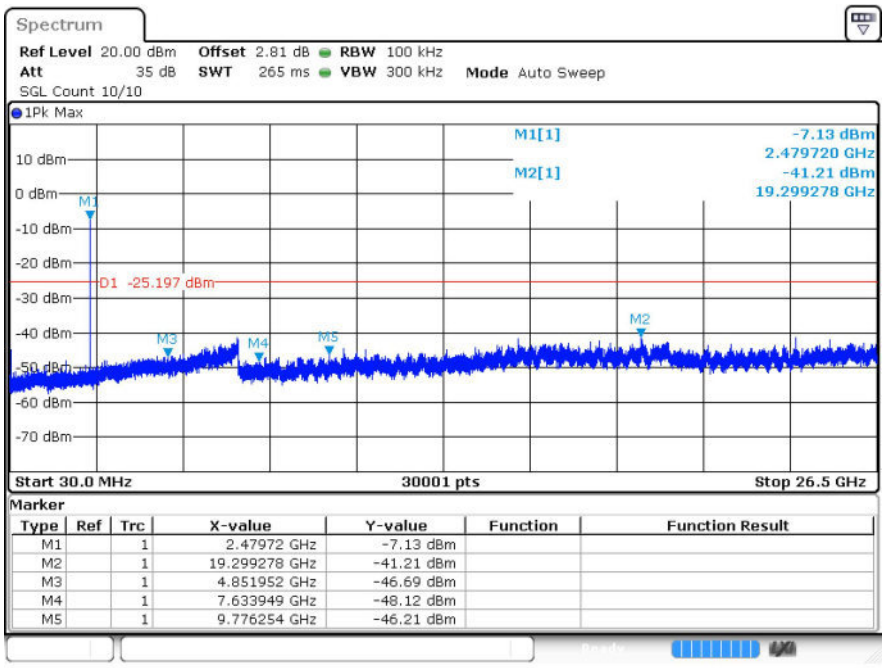
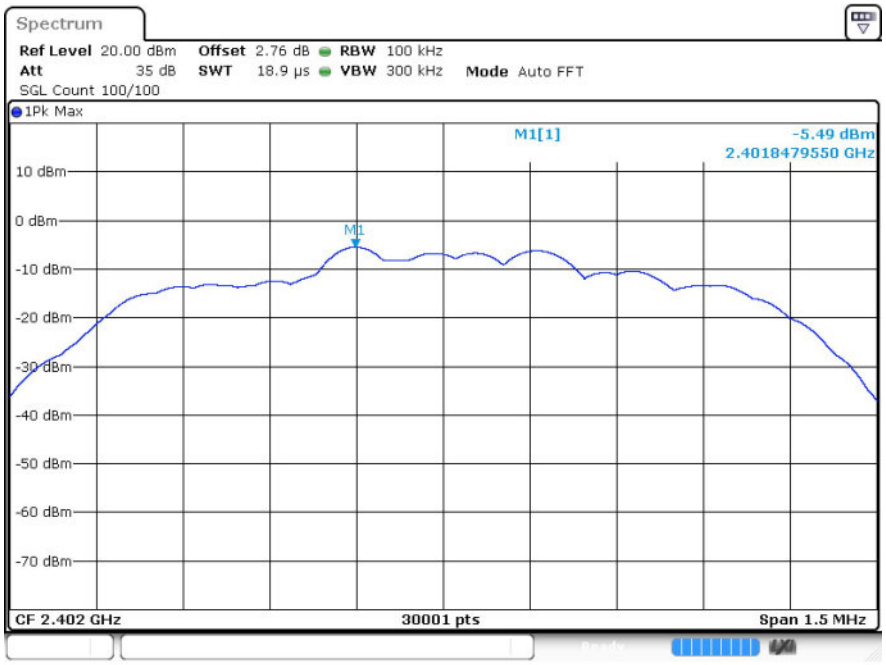
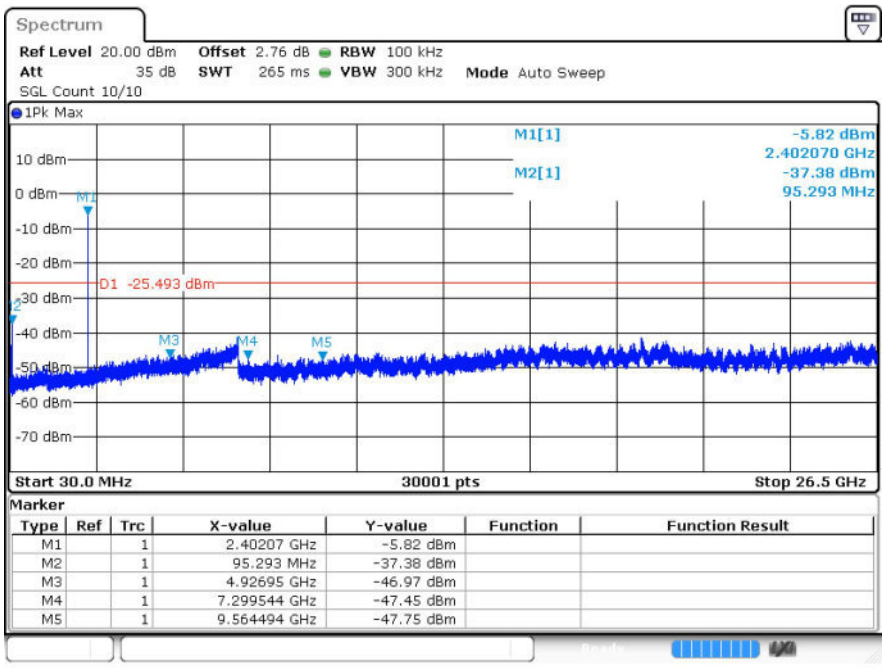
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

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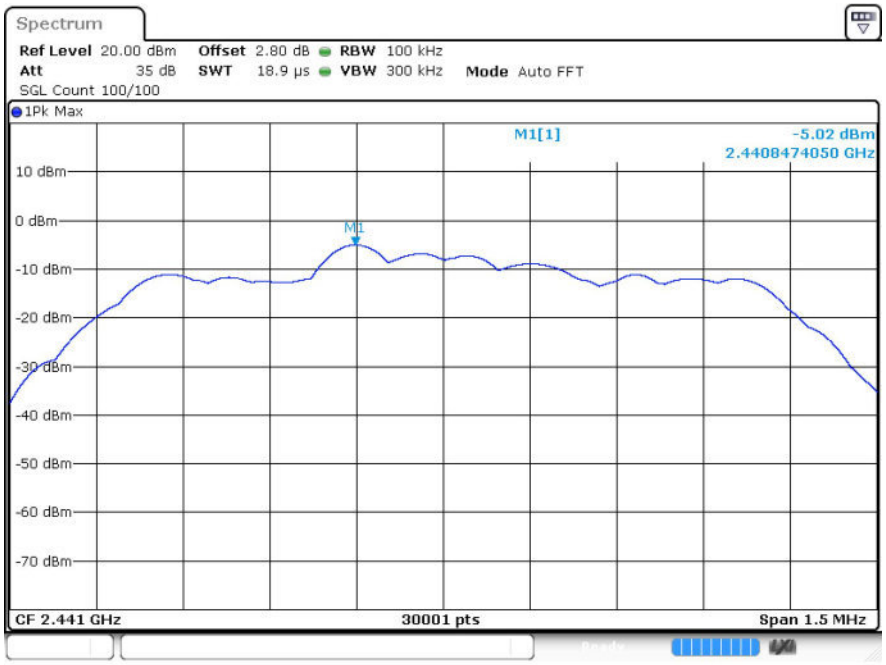
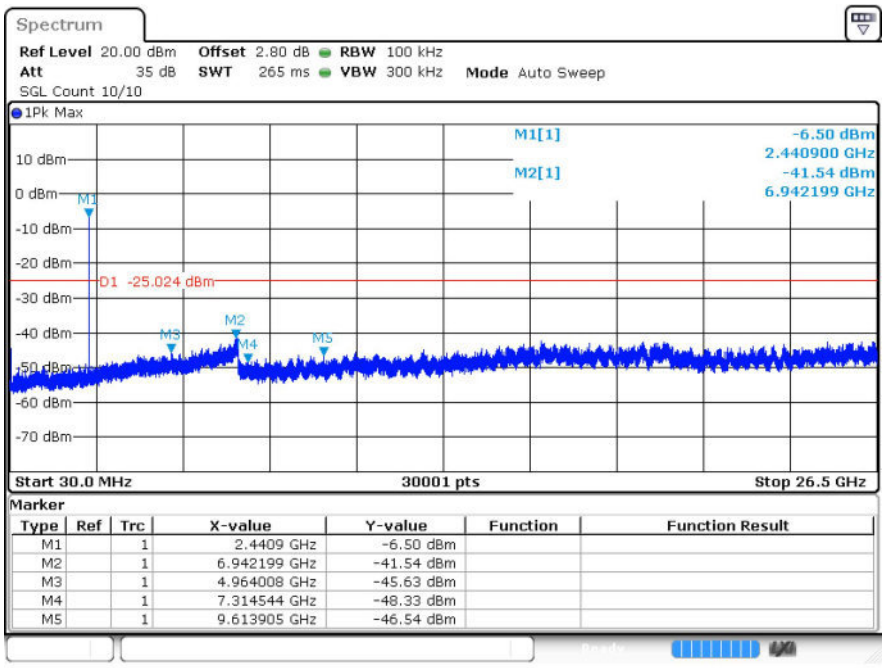
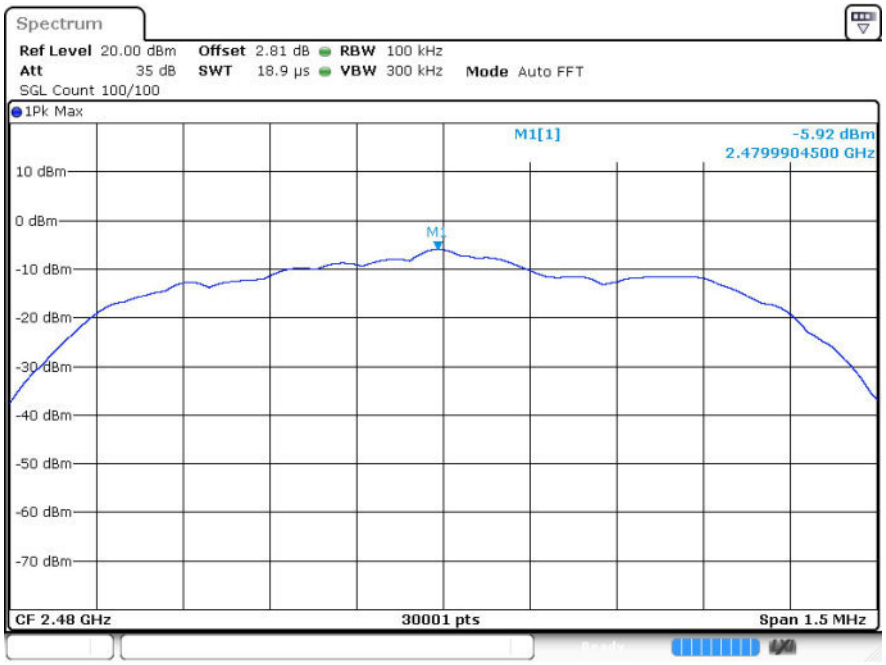
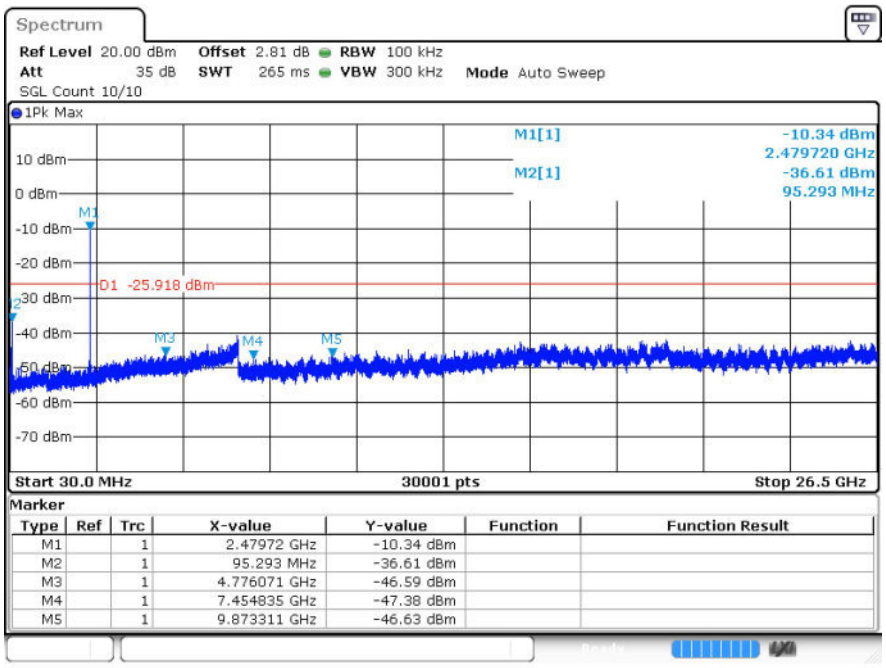
Pref	
Puw	

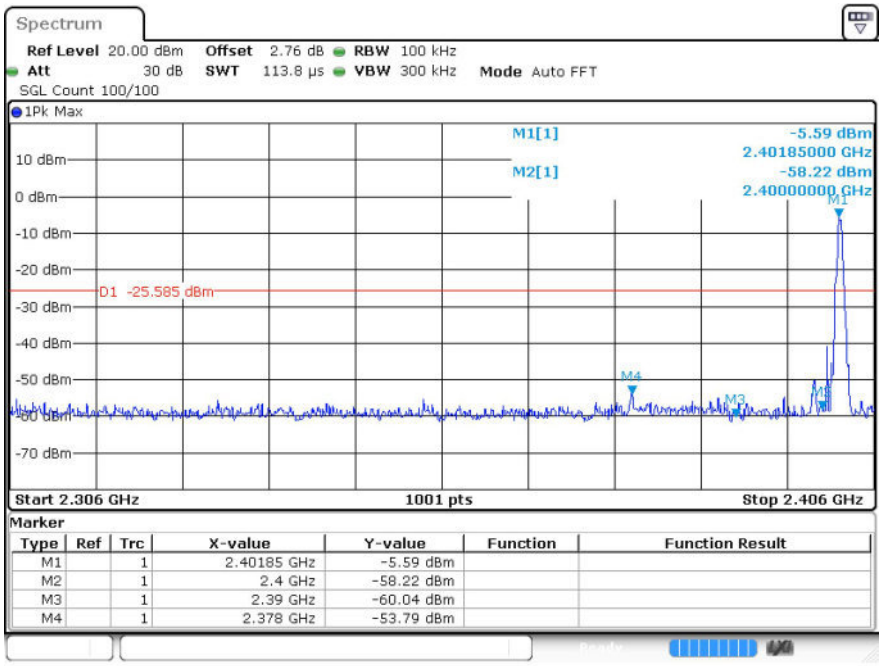
8DPSK_HCH_Graphs	
Pref	
Puw	

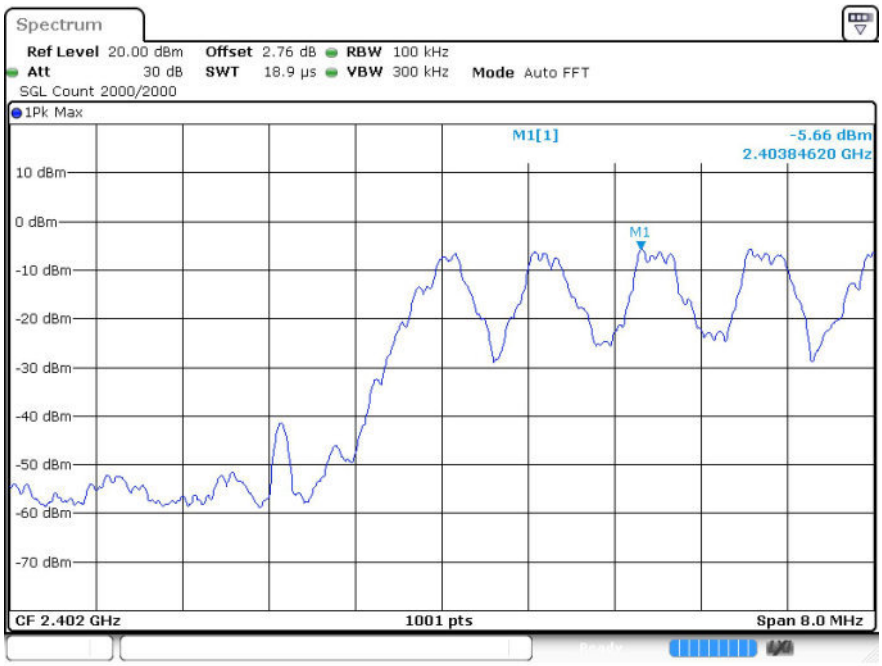
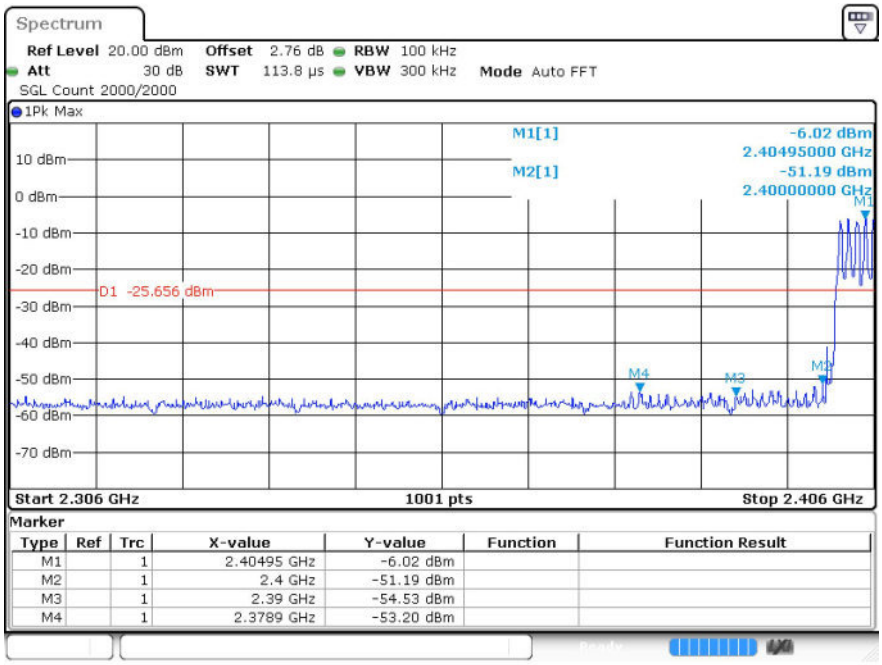
8 Band-edge for RF Conducted Emissions

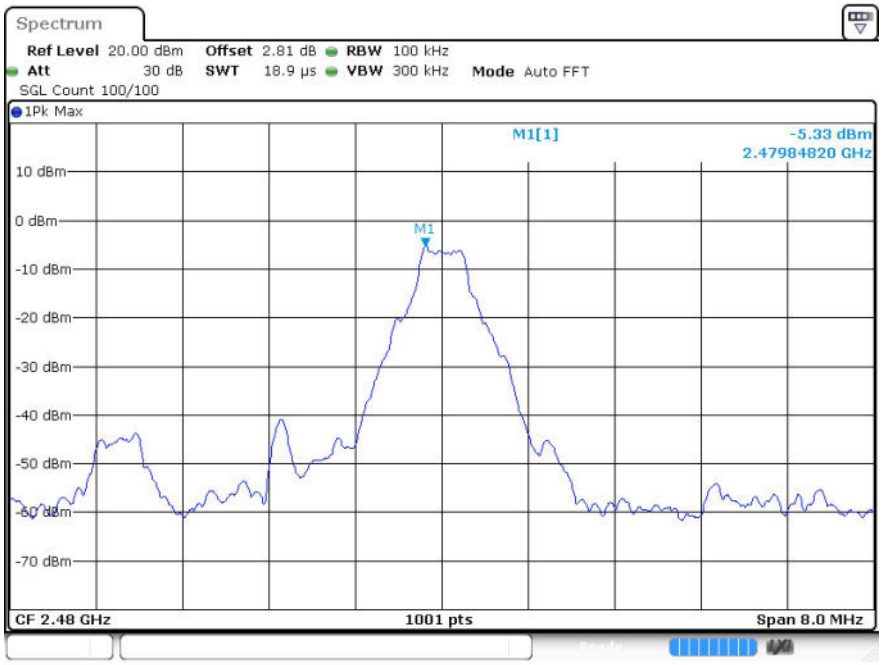
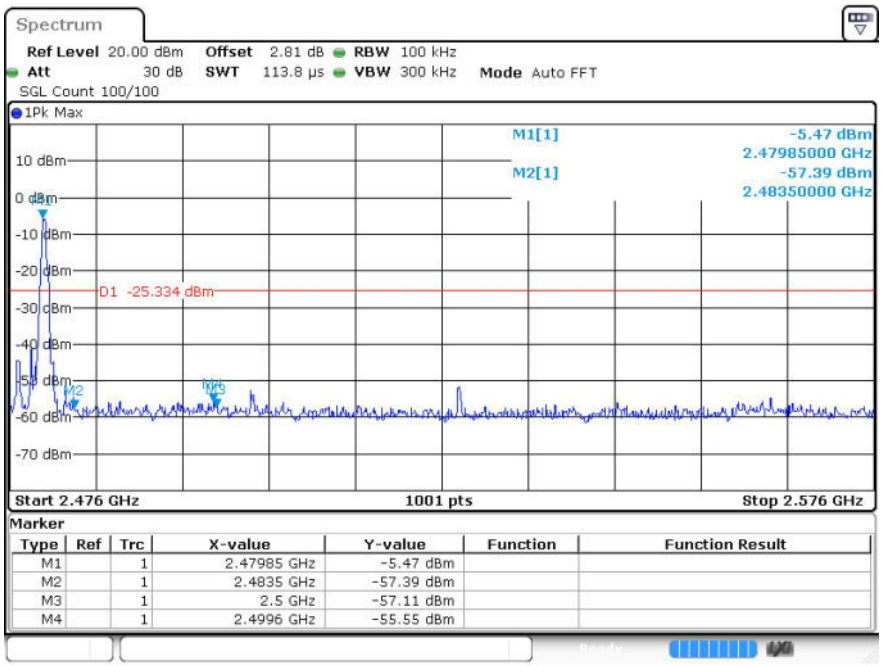
8.1 Test Result

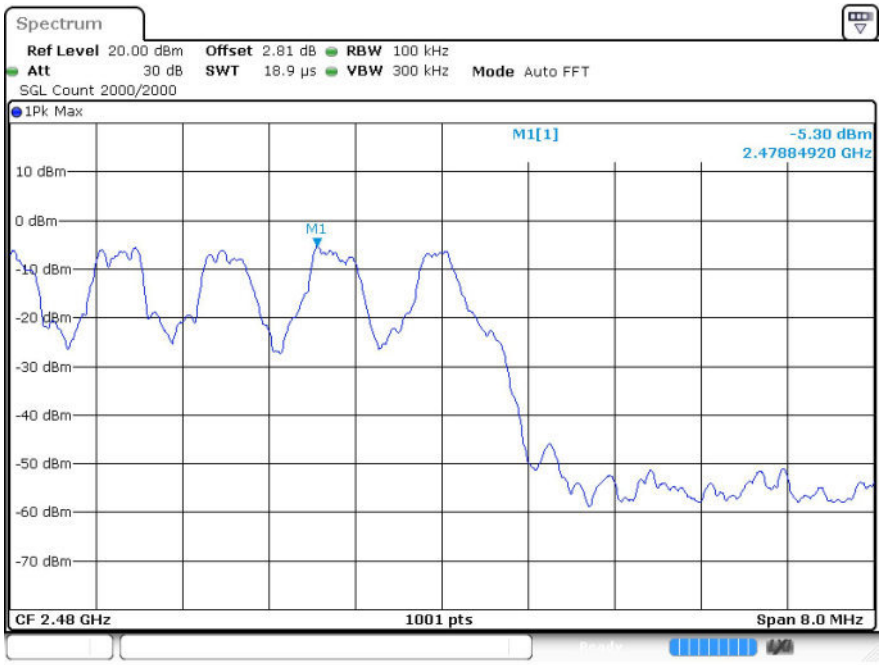
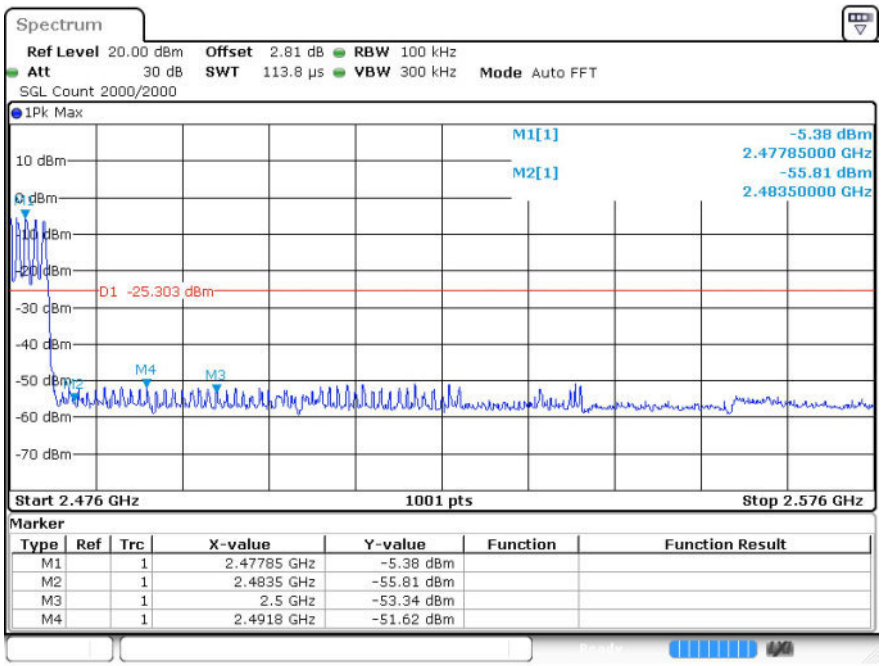
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-48.2	-20	Pass
			On	-47.54	-20	Pass
	HCH	2480	Off	-50.21	-20	Pass
			On	-46.32	-20	Pass
π/4DQPSK	LCH	2402	Off	-49.12	-20	Pass
			On	-48.03	-20	Pass
	HCH	2480	Off	-50.37	-20	Pass
			On	-46.33	-20	Pass
8DPSK	LCH	2402	Off	-48.94	-20	Pass
			On	-48.03	-20	Pass
	HCH	2480	Off	-49.84	-20	Pass
			On	-45.78	-20	Pass

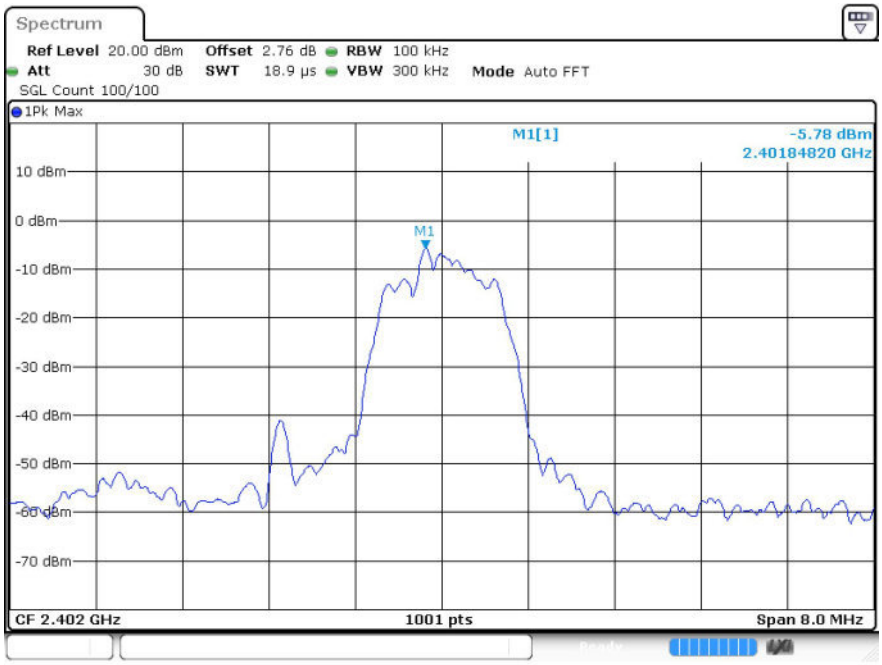
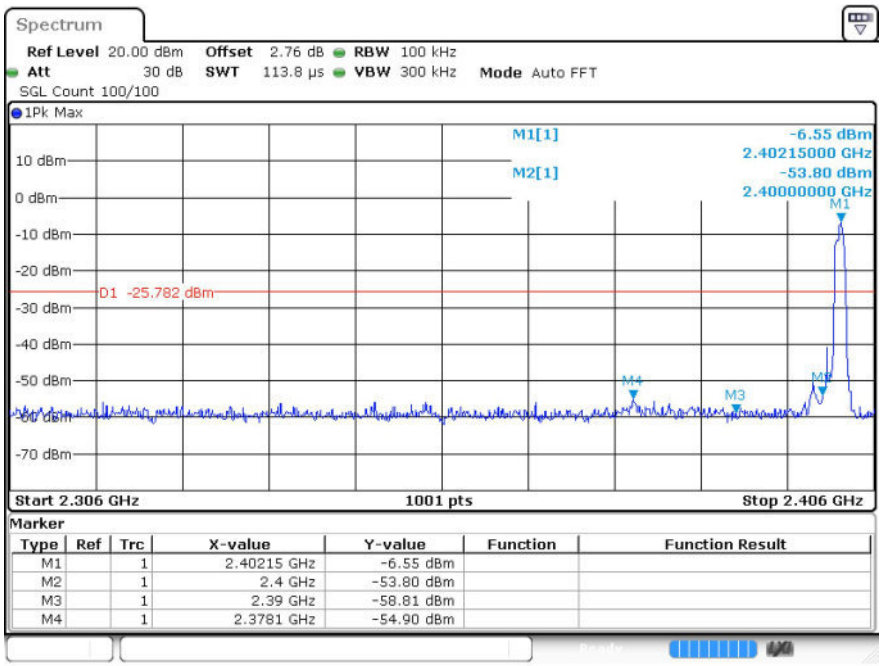
8.2 Test Graphs

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	

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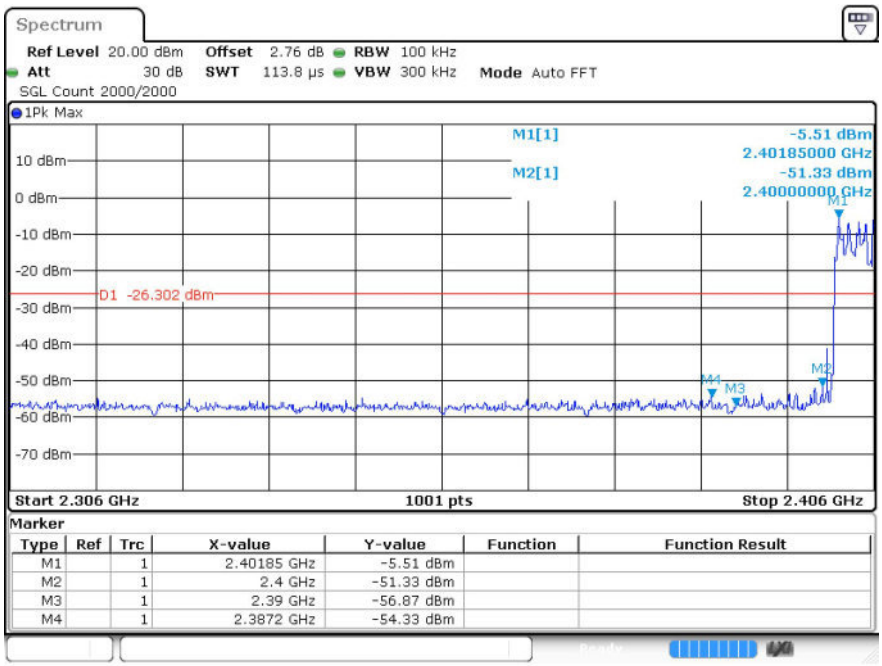
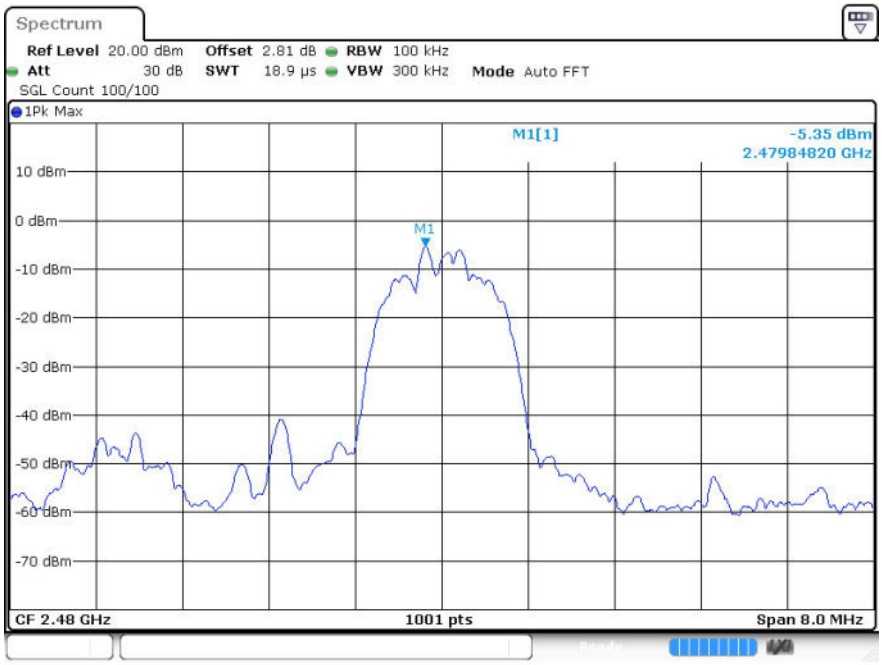
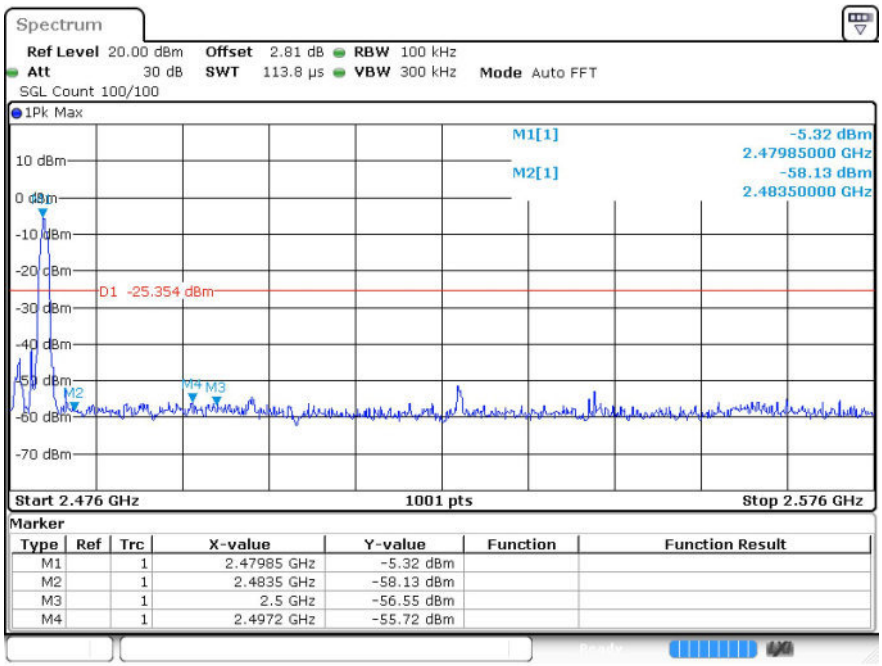
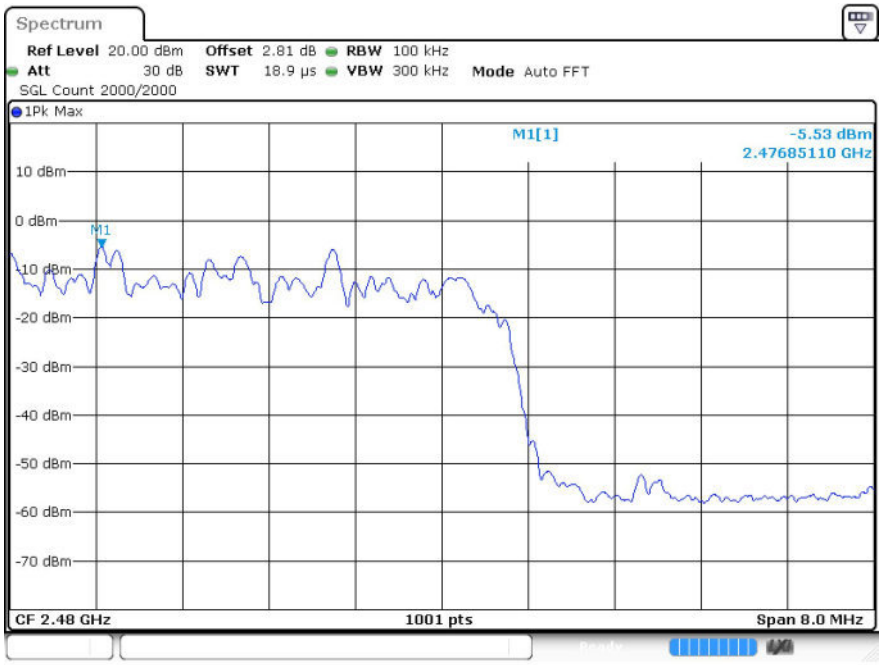
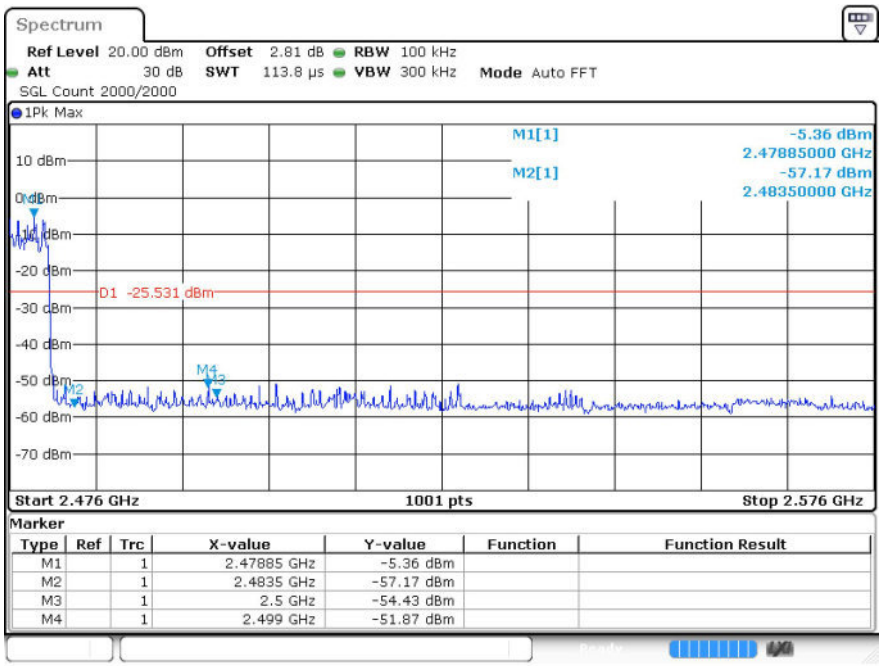
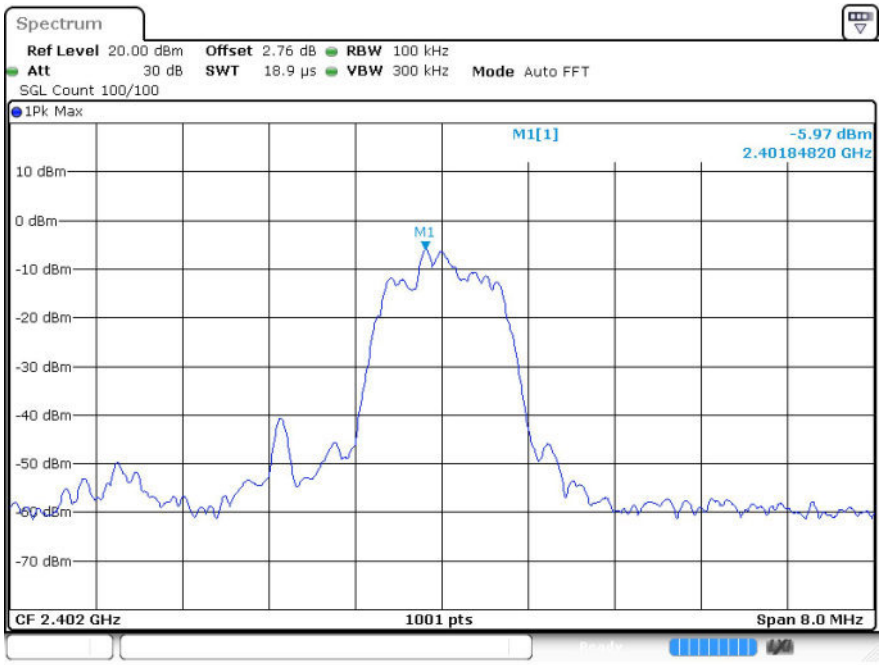
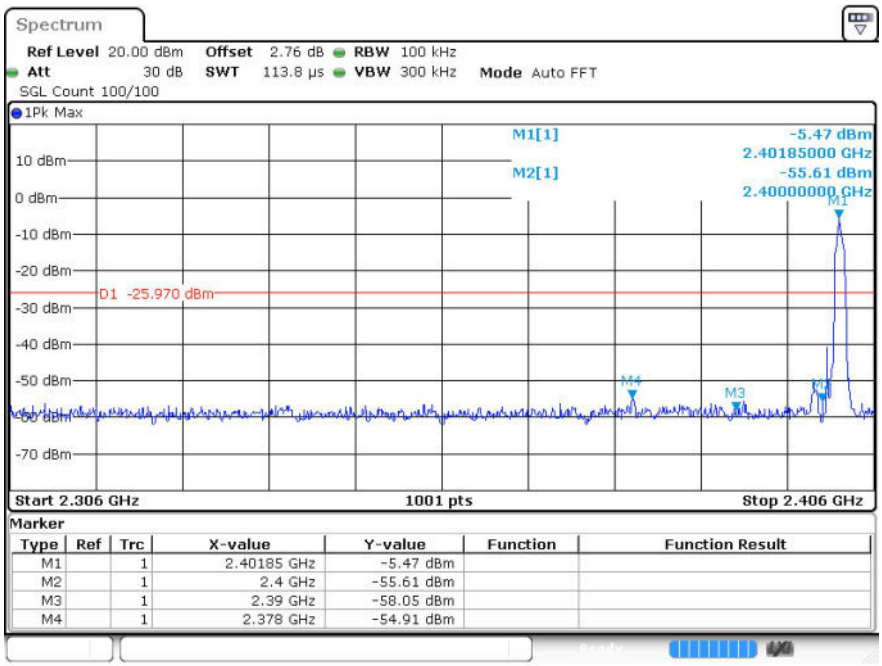
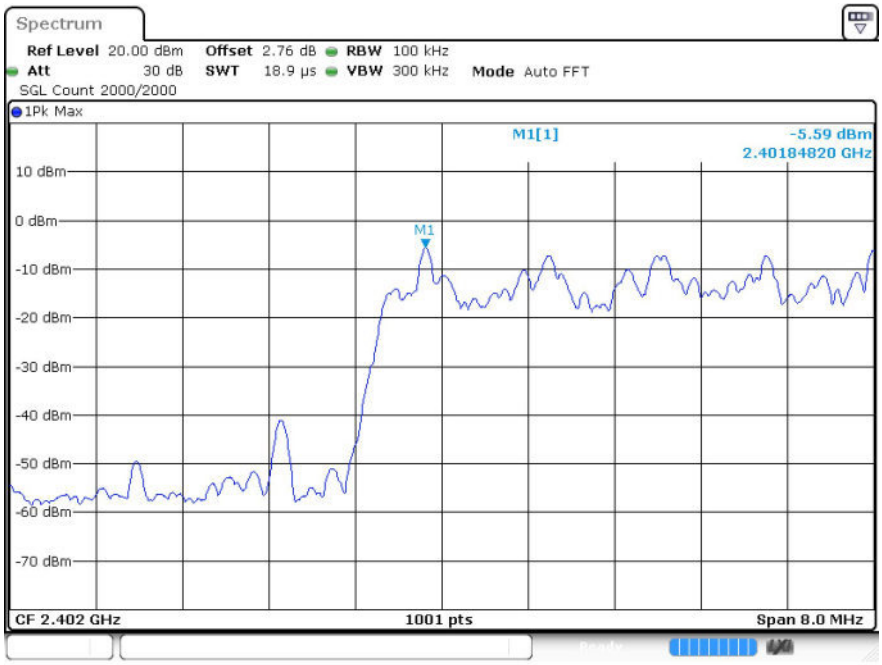
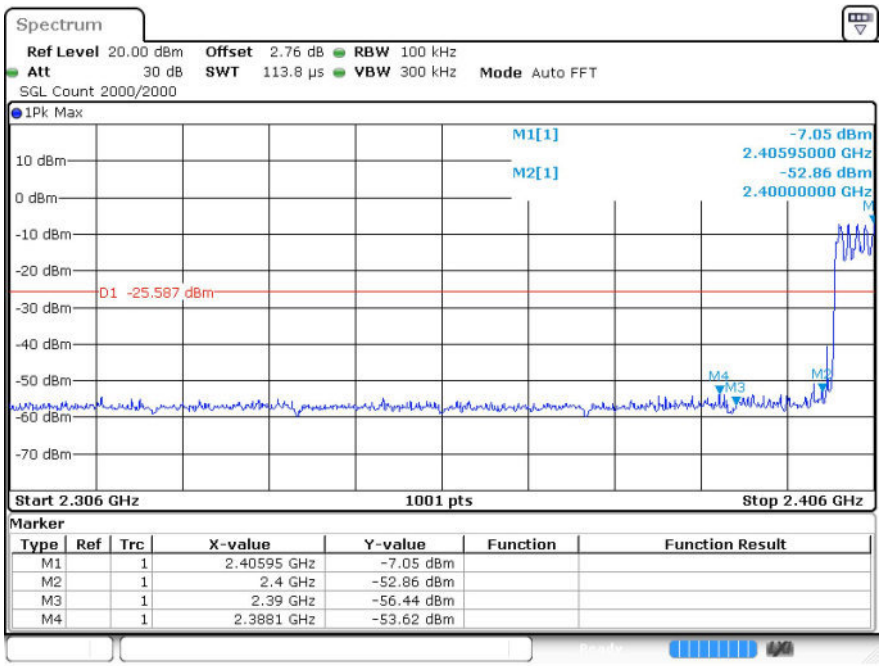
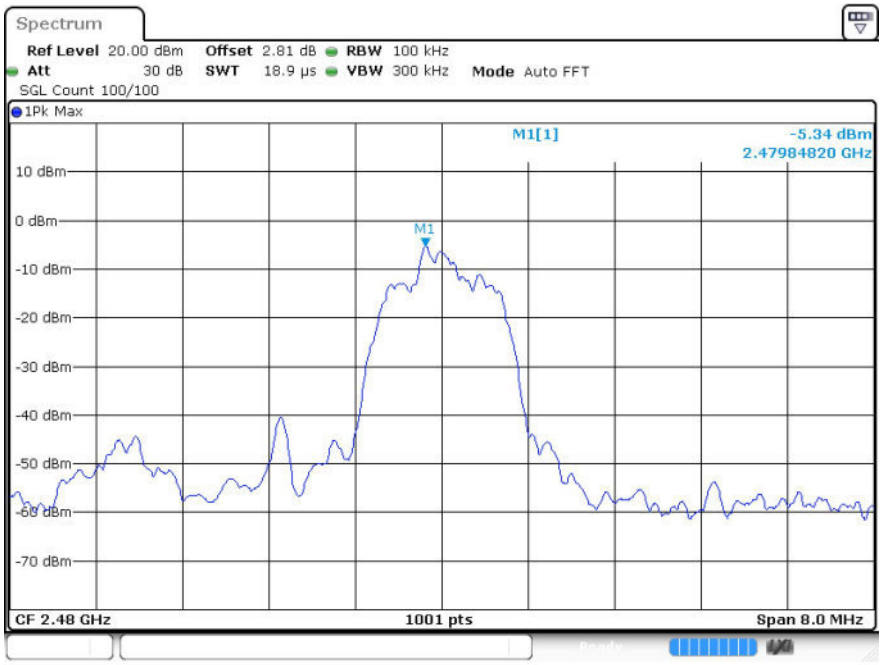
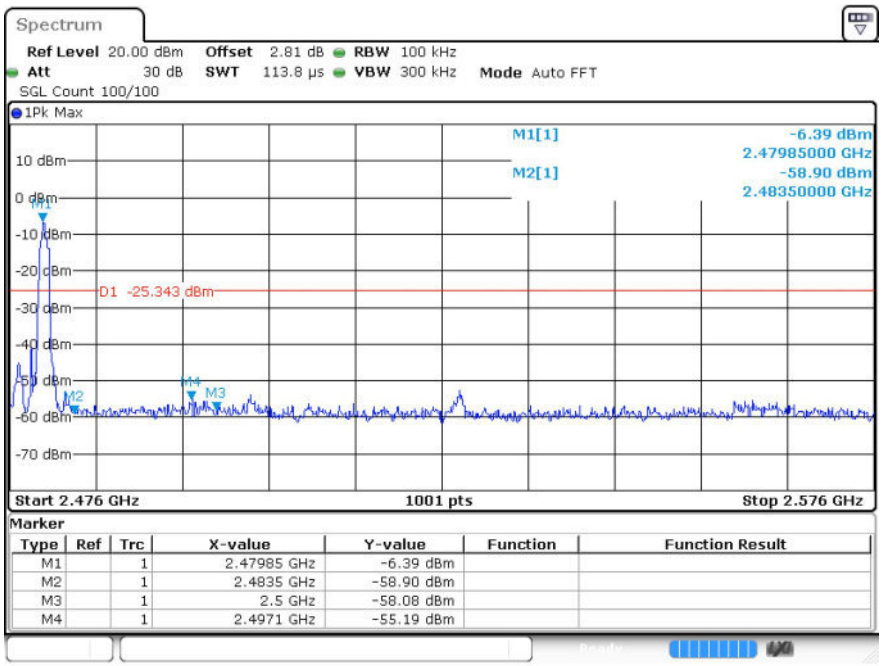
π/4DQPSK/LCH/Hop	

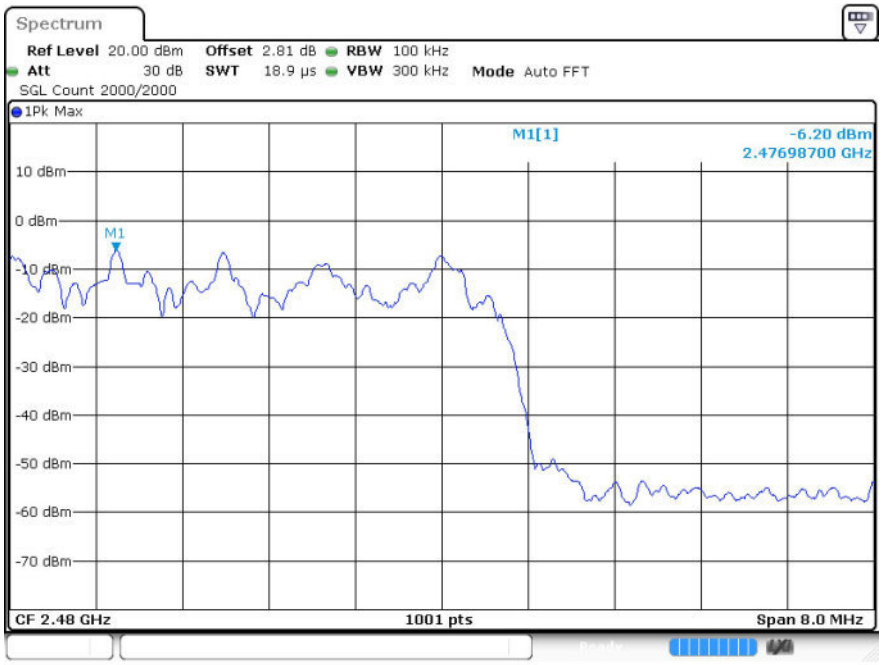
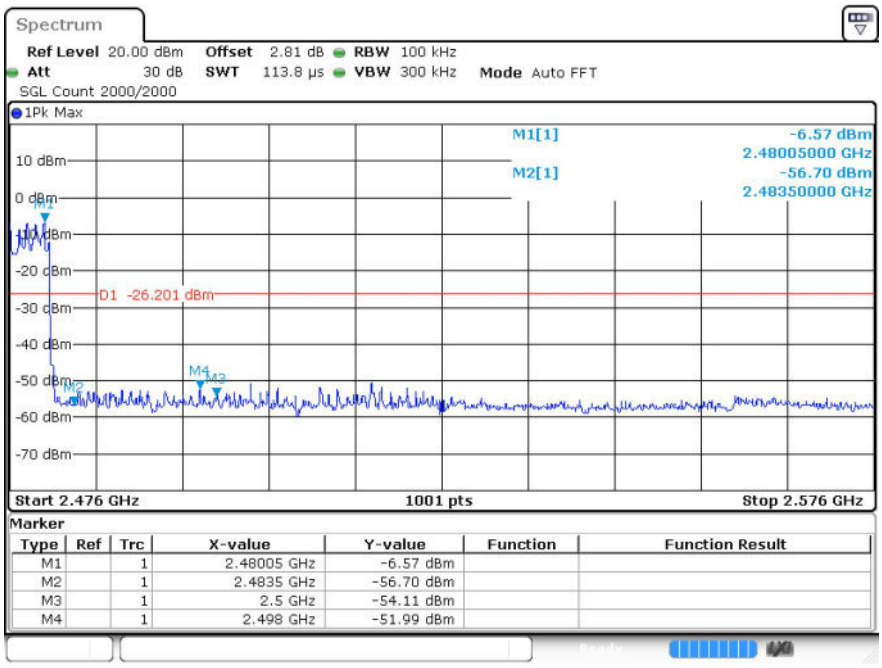
Ref	
π/4DQPSK/HCH/No Hop	

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

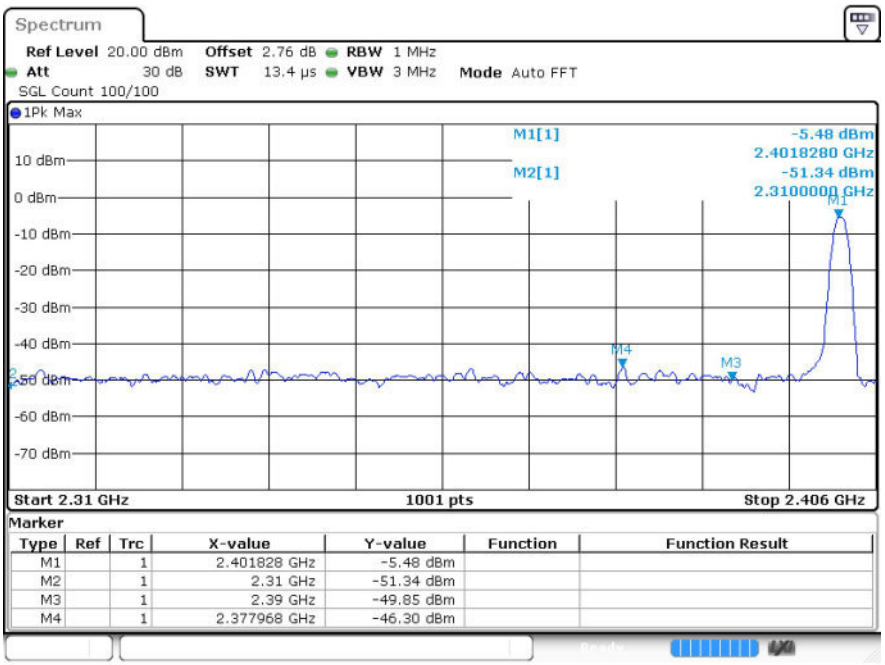
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-51.34	2	-	45.92	PEAK	74	Pass
	Off	2310.0	-56.51	2	5.17	45.92	AV	54	Pass
	Off	2377.968	-46.3	2	-	50.96	PEAK	74	Pass
	Off	2344.272	-54.5	2	5.17	47.93	AV	54	Pass
	Off	2390.0	-49.85	2	-	47.41	PEAK	74	Pass
	Off	2390.0	-56.66	2	5.17	45.77	AV	54	Pass
	Off	2483.5	-49.18	2	-	48.08	PEAK	74	Pass
	Off	2483.5	-55.13	2	5.06	47.19	AV	54	Pass
	Off	2499.616	-46.4	2	-	50.86	PEAK	74	Pass
	Off	2491.264	-54.93	2	5.06	47.39	AV	54	Pass
	Off	2500.0	-46.85	2	-	50.41	PEAK	74	Pass
	Off	2500.0	-55.25	2	5.06	47.07	AV	54	Pass
π/4DQPSK	Off	2310.0	-49.71	2	-	47.55	PEAK	74	Pass
	Off	2310.0	-56.64	2	4.95	45.57	AV	54	Pass
	Off	2341.968	-46.47	2	-	50.79	PEAK	74	Pass
	Off	2338.416	-53.85	2	4.95	48.36	AV	54	Pass
	Off	2390.0	-49.08	2	-	48.18	PEAK	74	Pass
	Off	2390.0	-56.11	2	4.95	46.1	AV	54	Pass
	Off	2483.5	-49.11	2	-	48.15	PEAK	74	Pass
	Off	2483.5	-57.07	2	4.95	45.14	AV	54	Pass
	Off	2486.416	-46.72	2	-	50.54	PEAK	74	Pass
	Off	2497.744	-54.77	2	4.95	47.44	AV	54	Pass
	Off	2500.0	-48.16	2	-	49.1	PEAK	74	Pass
	Off	2500.0	-56.45	2	4.95	45.76	AV	54	Pass
8DPSK	Off	2310.0	-47.94	2	-	49.32	PEAK	74	Pass
	Off	2310.0	-56.12	2	4.95	46.09	AV	54	Pass
	Off	2377.872	-46.35	2	-	50.91	PEAK	74	Pass
	Off	2342.736	-54.64	2	4.95	47.57	AV	54	Pass

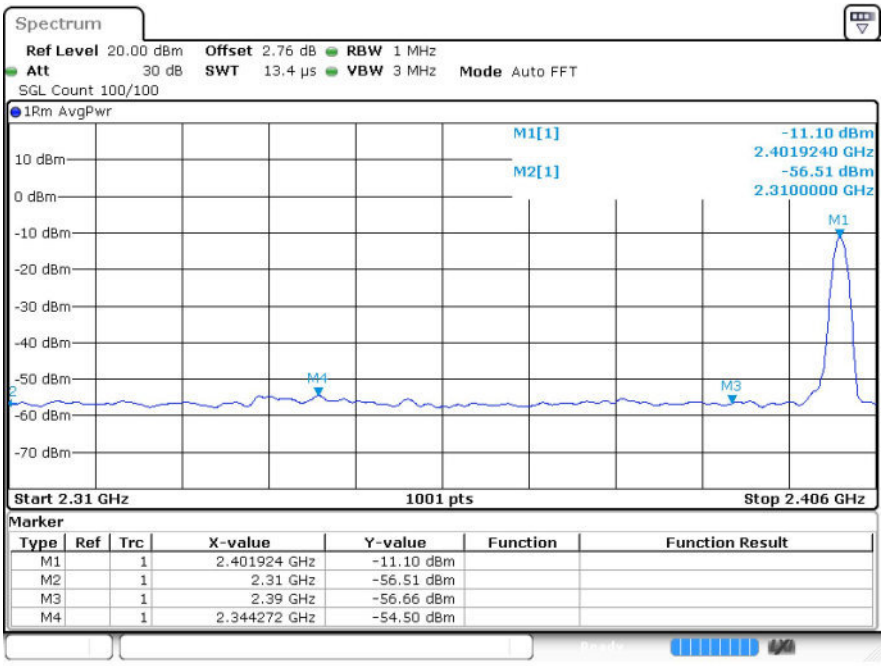
	Off	2390.0	-47.82	2	-	49.44	PEAK	74	Pass
	Off	2390.0	-56.4	2	4.95	45.81	AV	54	Pass
	Off	2483.5	-49.25	2	-	48.01	PEAK	74	Pass
	Off	2483.5	-55.64	2	5.06	46.68	AV	54	Pass
	Off	2486.152	-45.93	2	-	51.33	PEAK	74	Pass
	Off	2490.232	-55.29	2	5.06	47.03	AV	54	Pass
	Off	2500.0	-48.63	2	-	48.63	PEAK	74	Pass
	Off	2500.0	-56.41	2	5.06	45.91	AV	54	Pass

9.2 Test Graphs

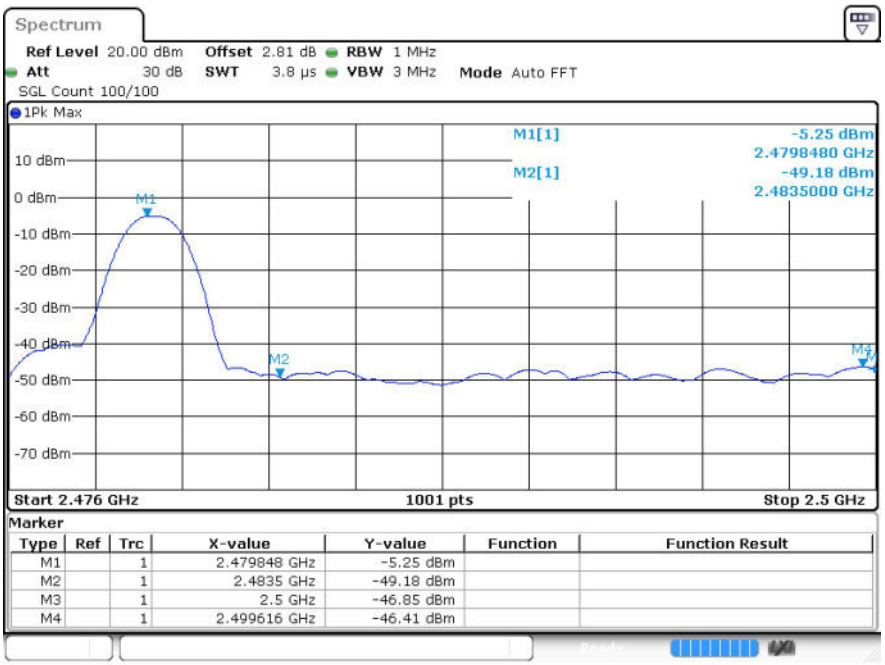
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



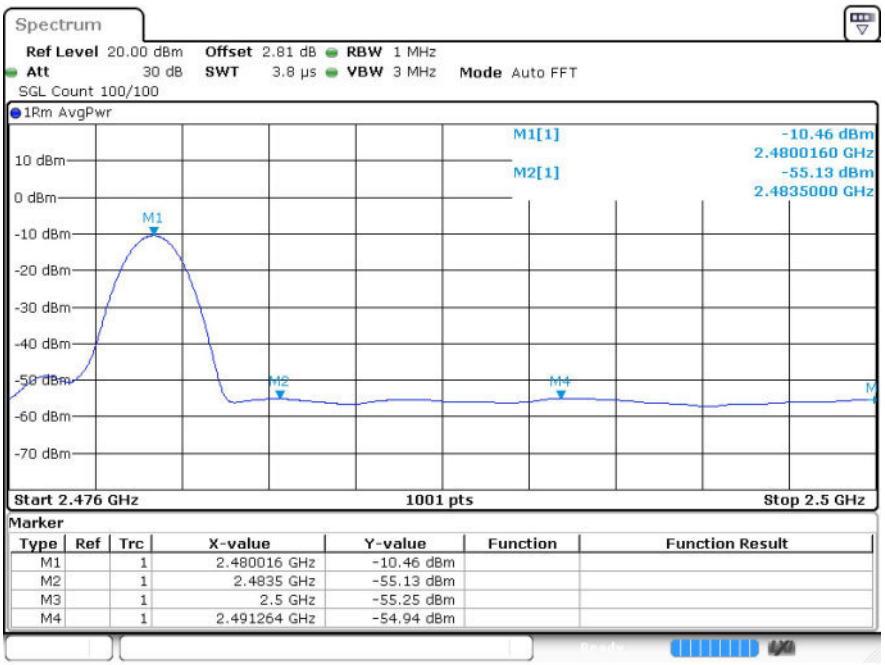
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



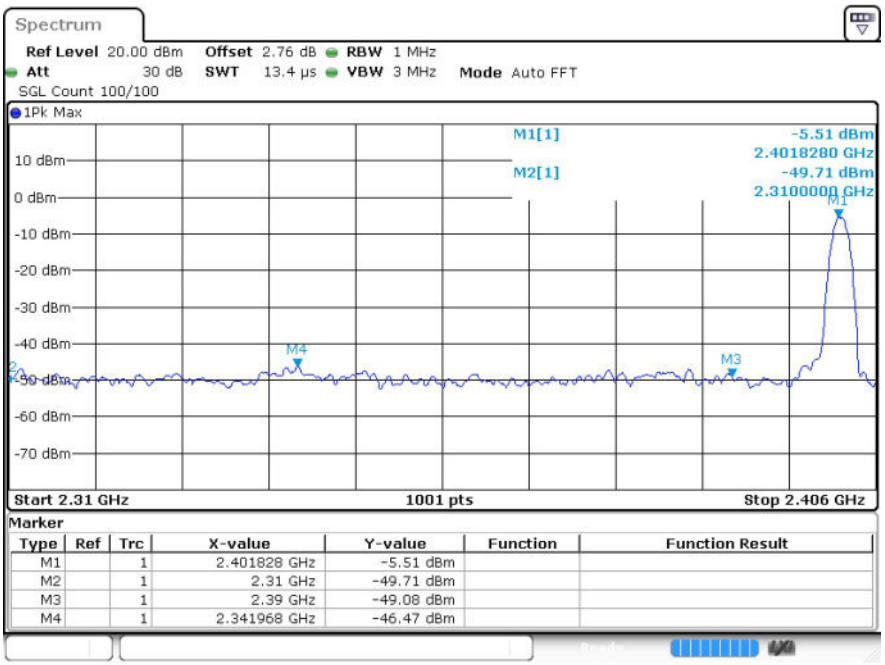
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



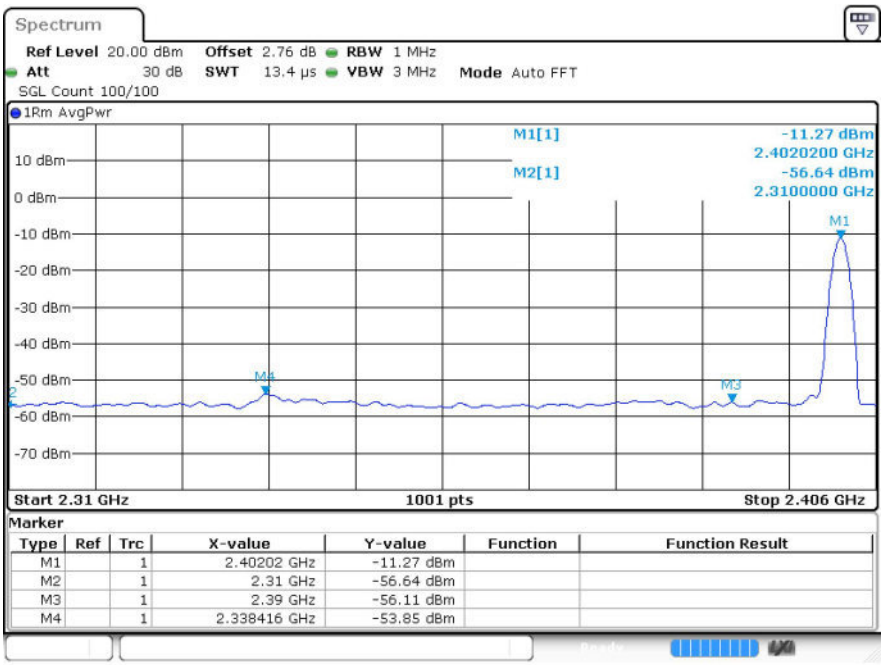
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



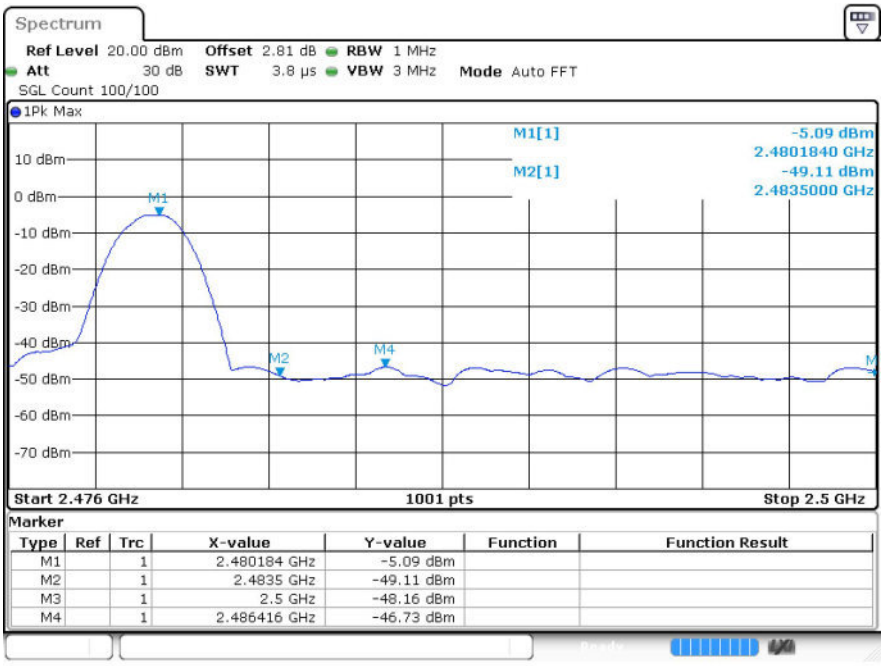
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



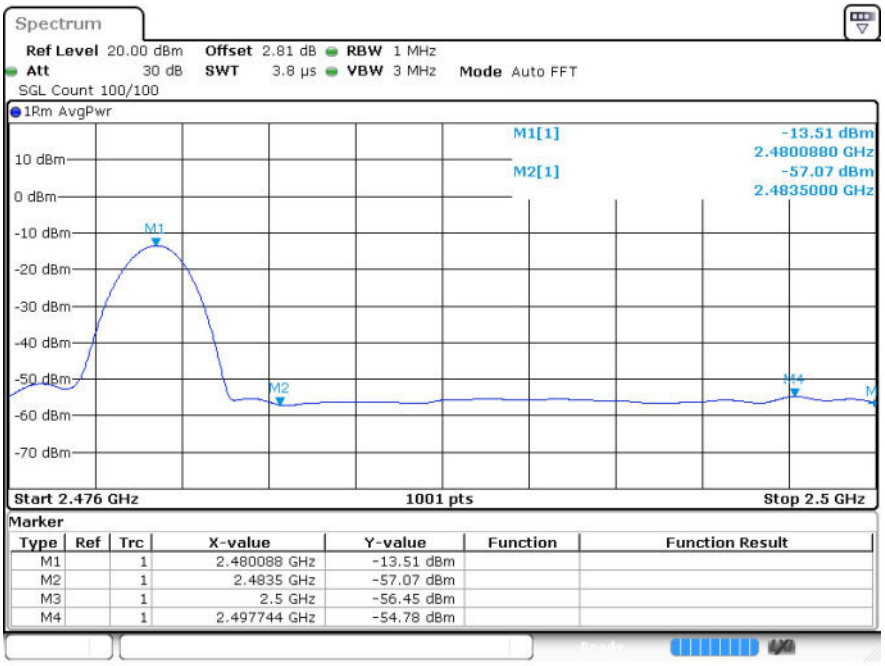
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



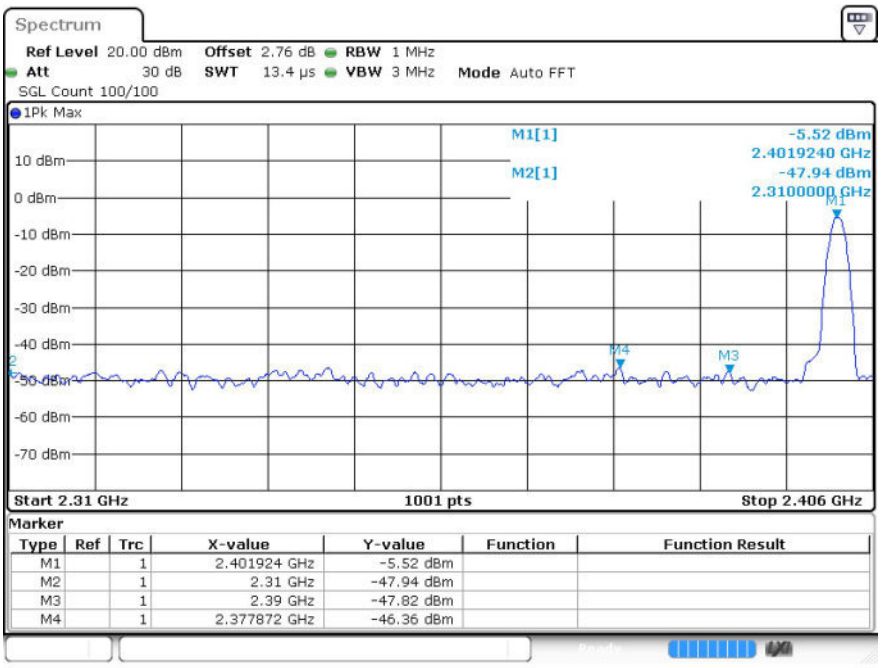
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



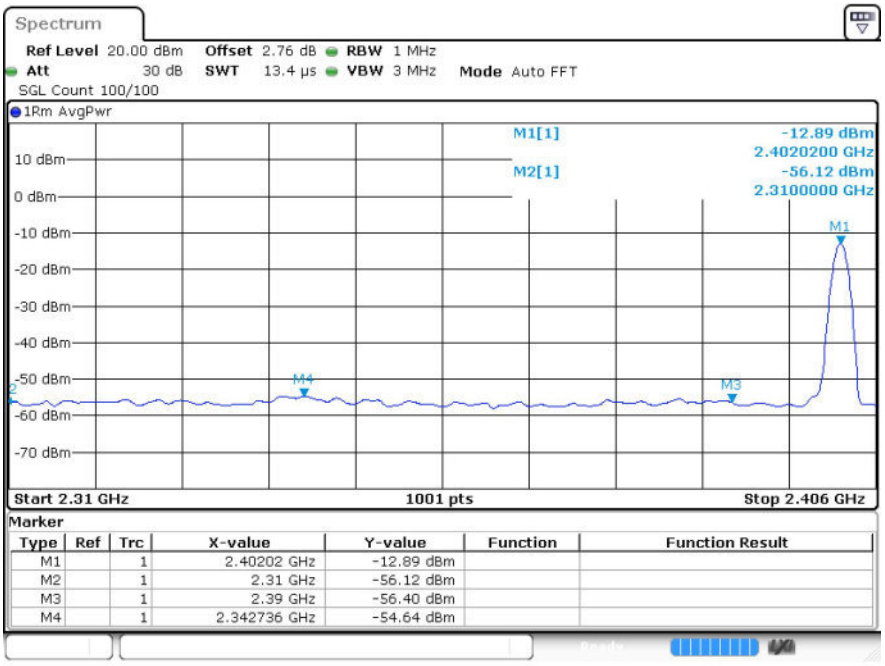
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



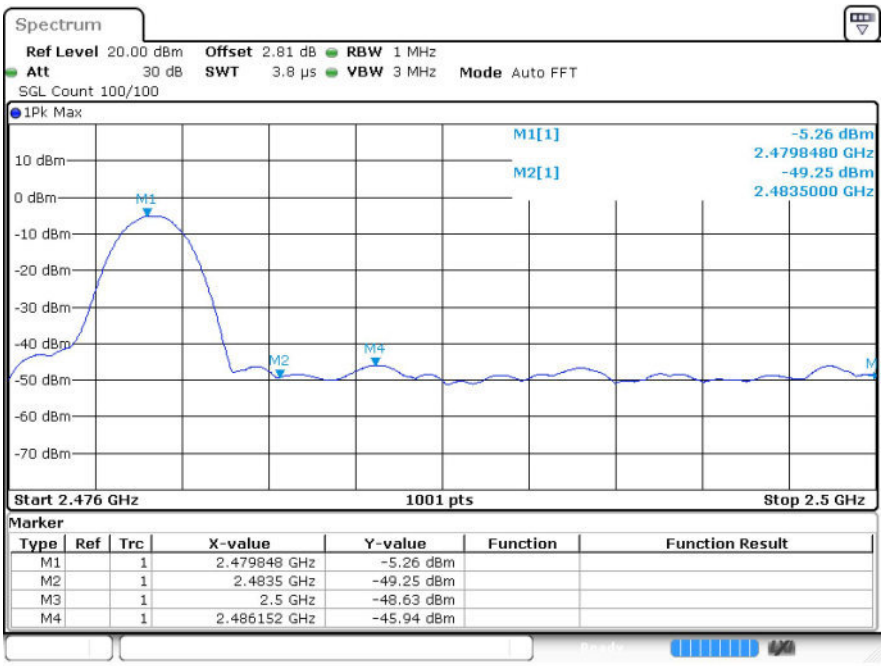
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



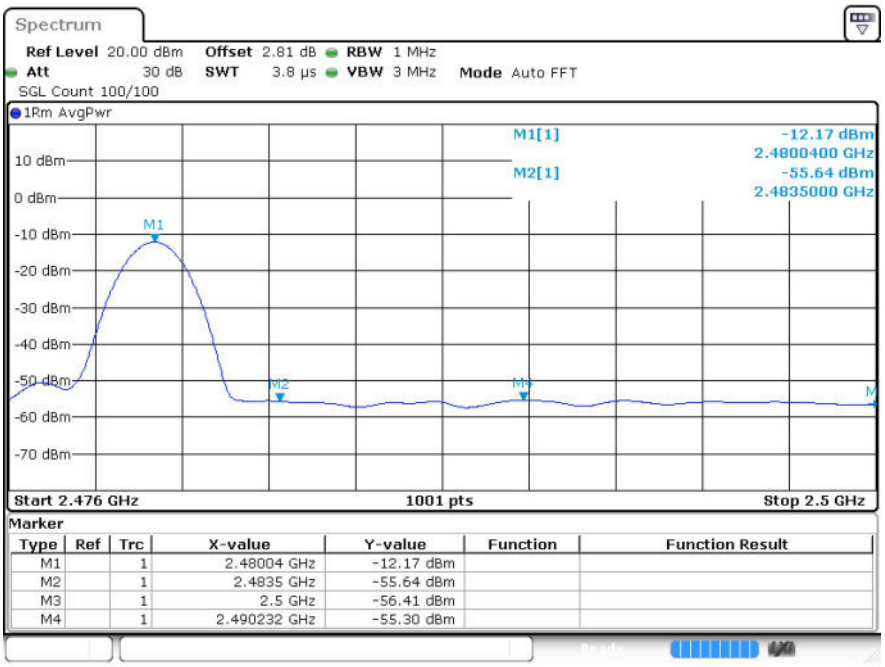
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---