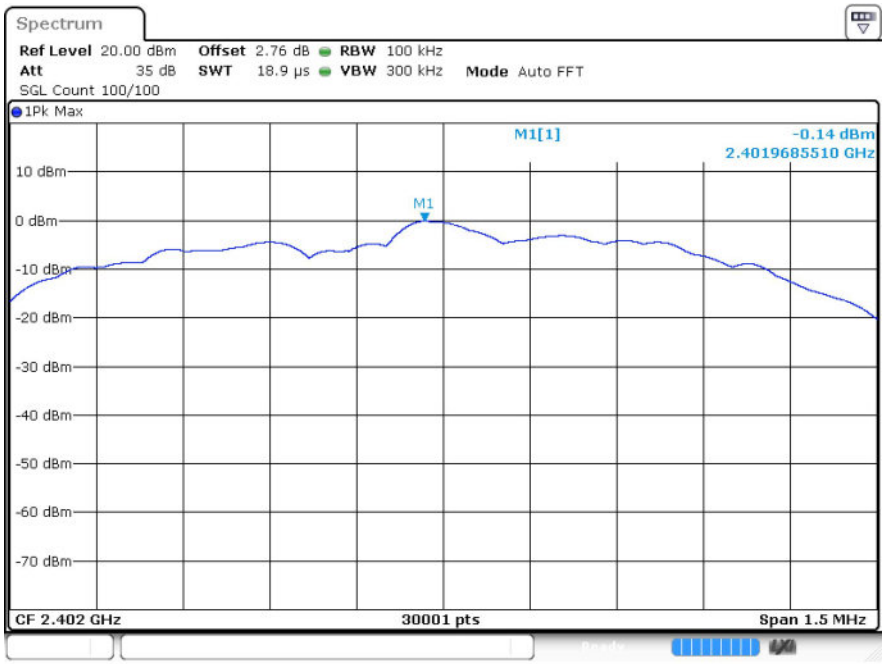
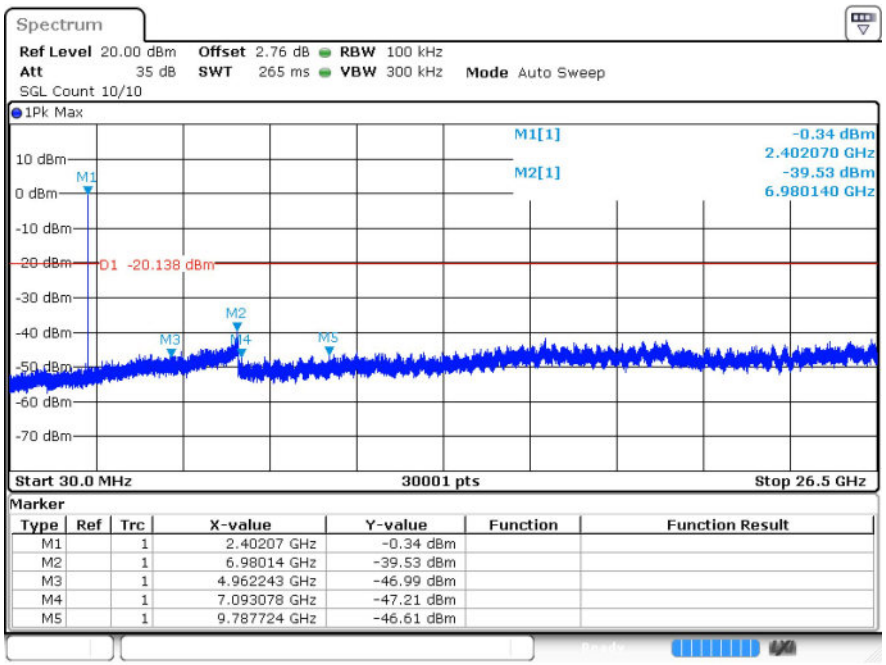
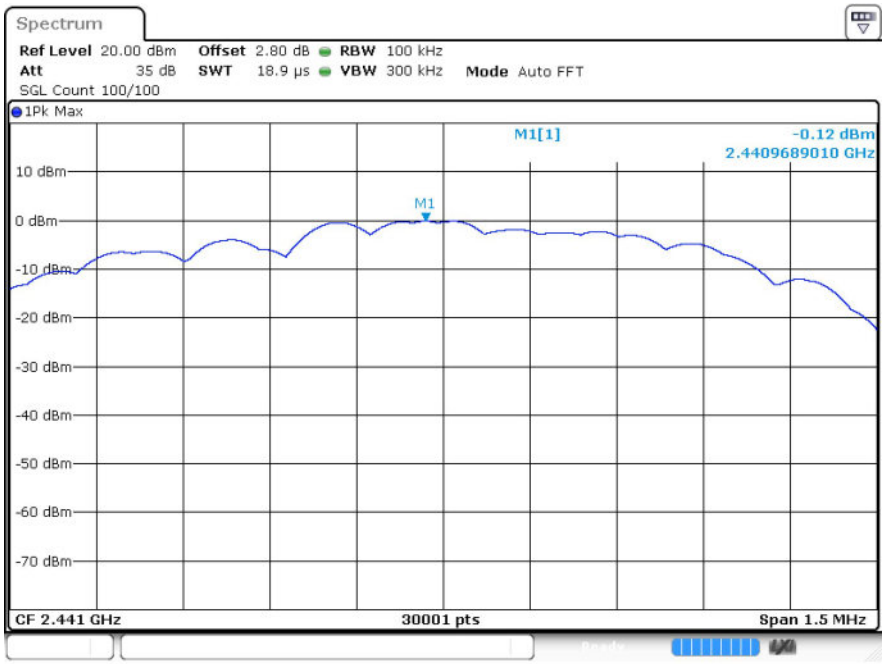
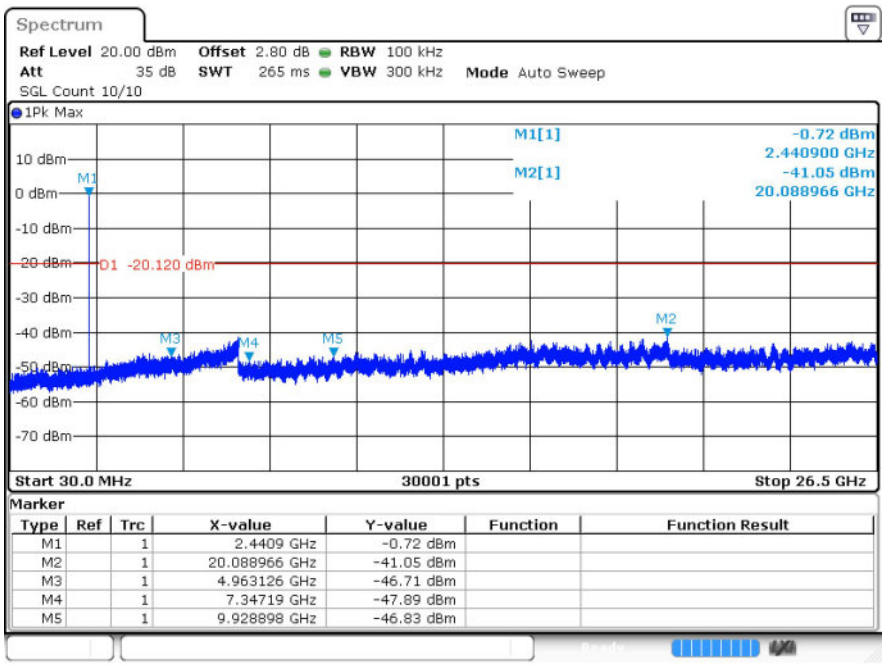
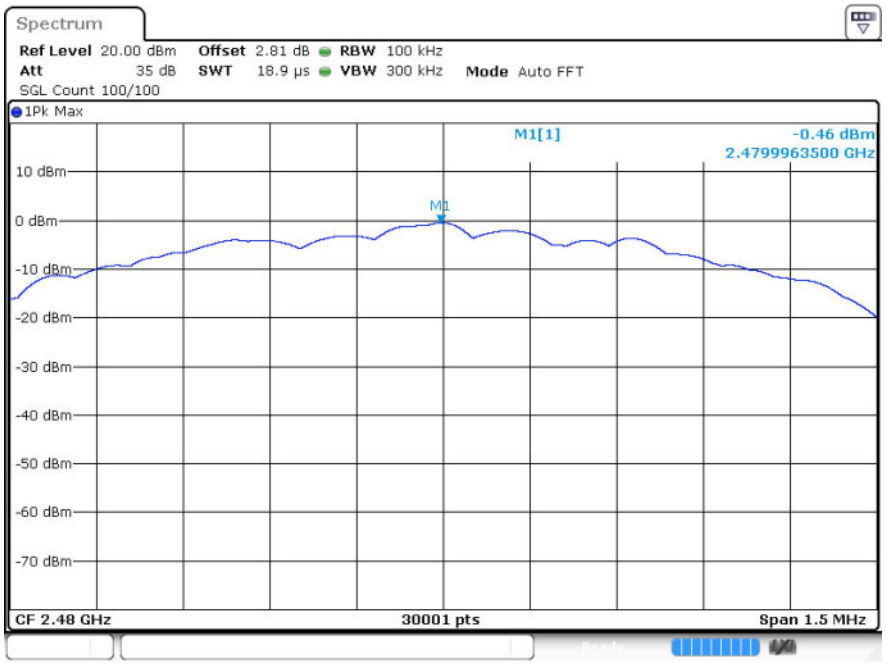
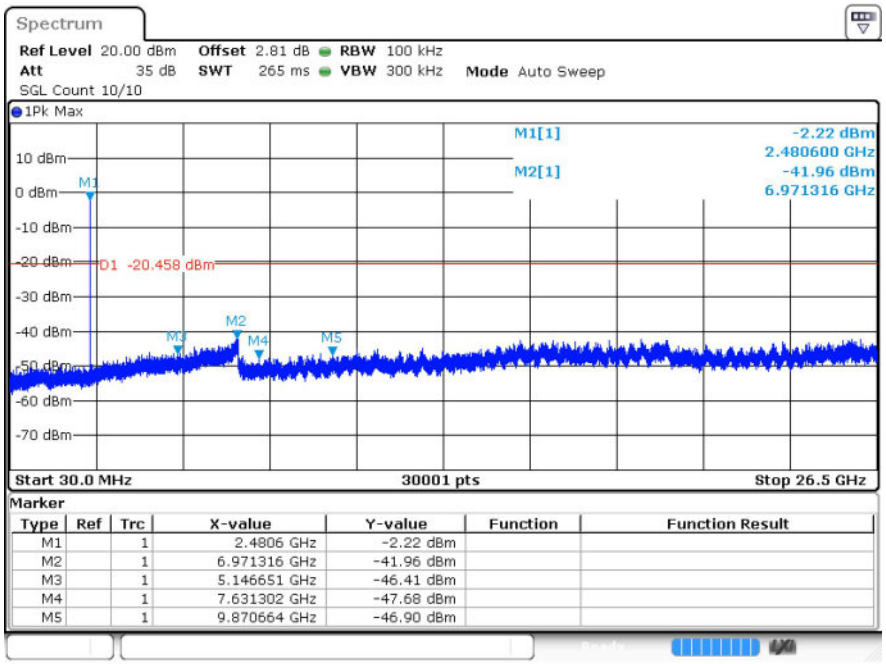
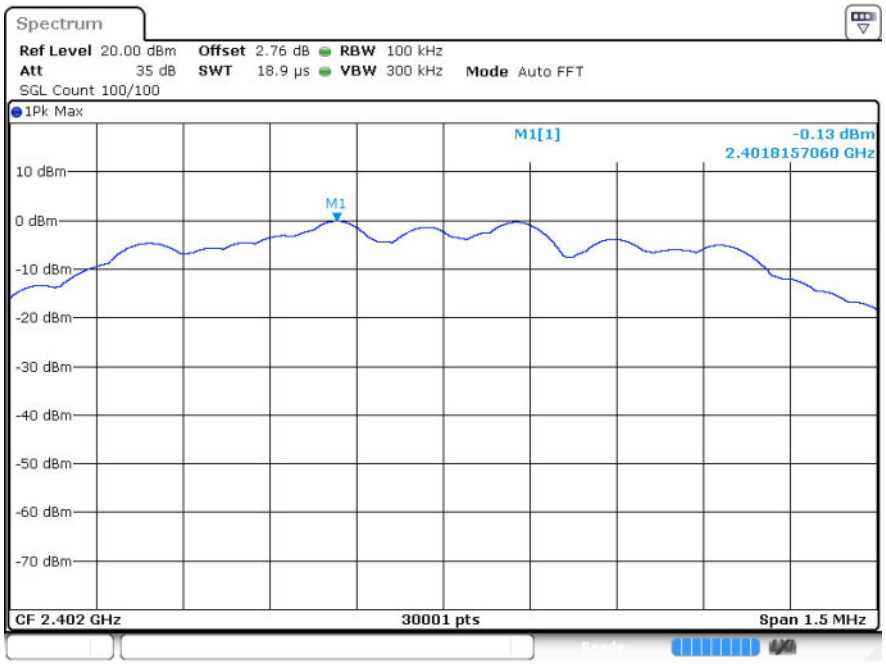
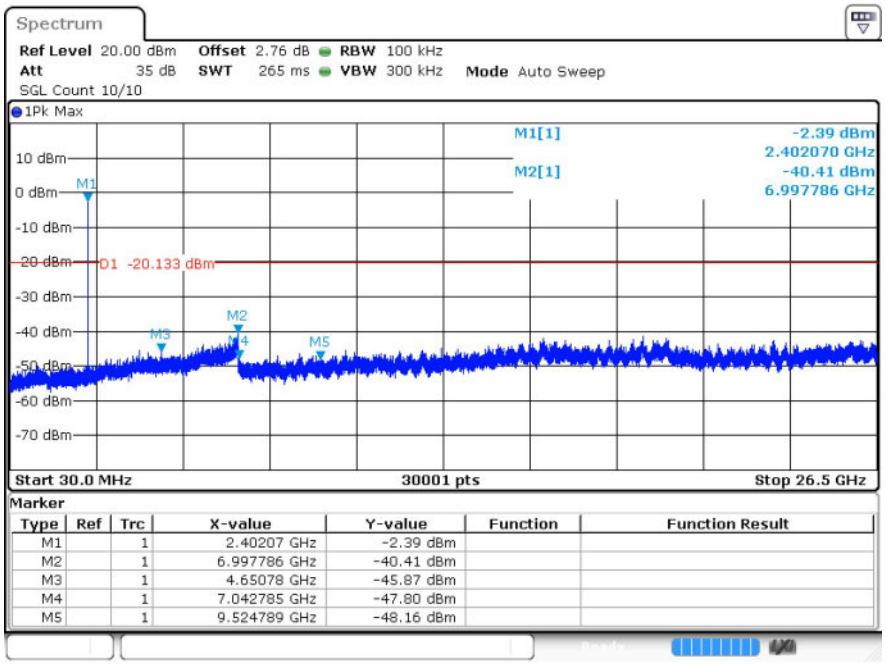
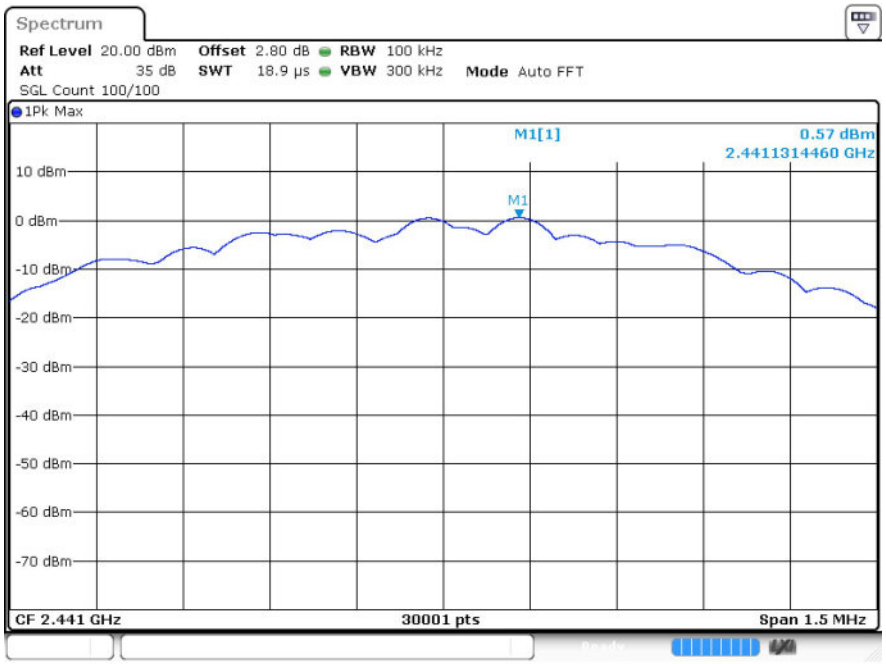
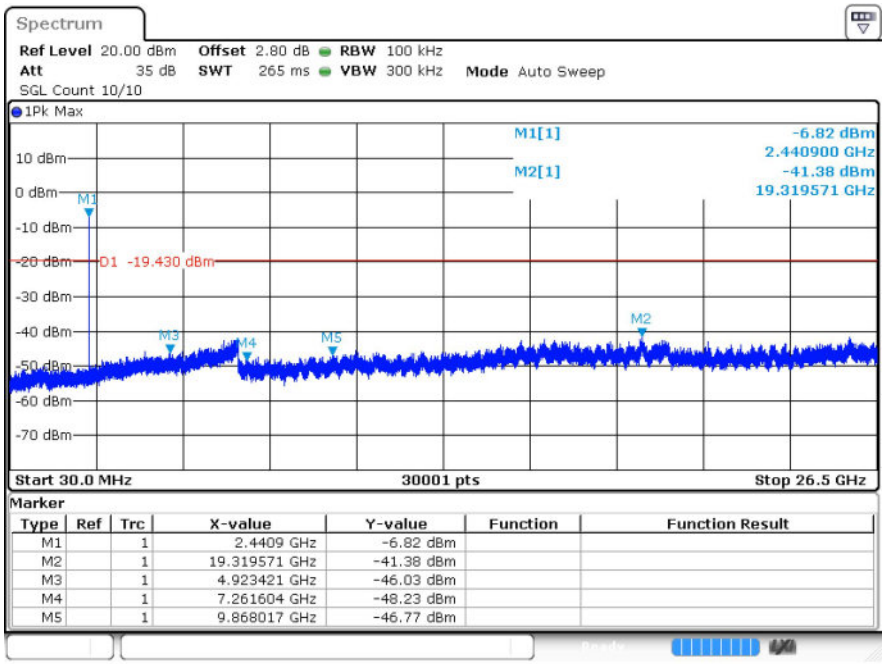
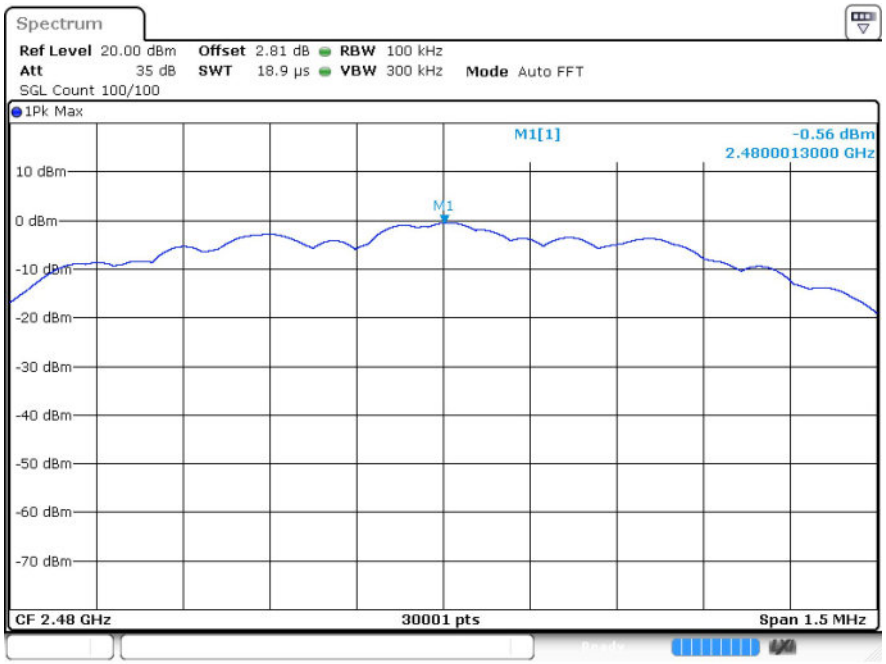
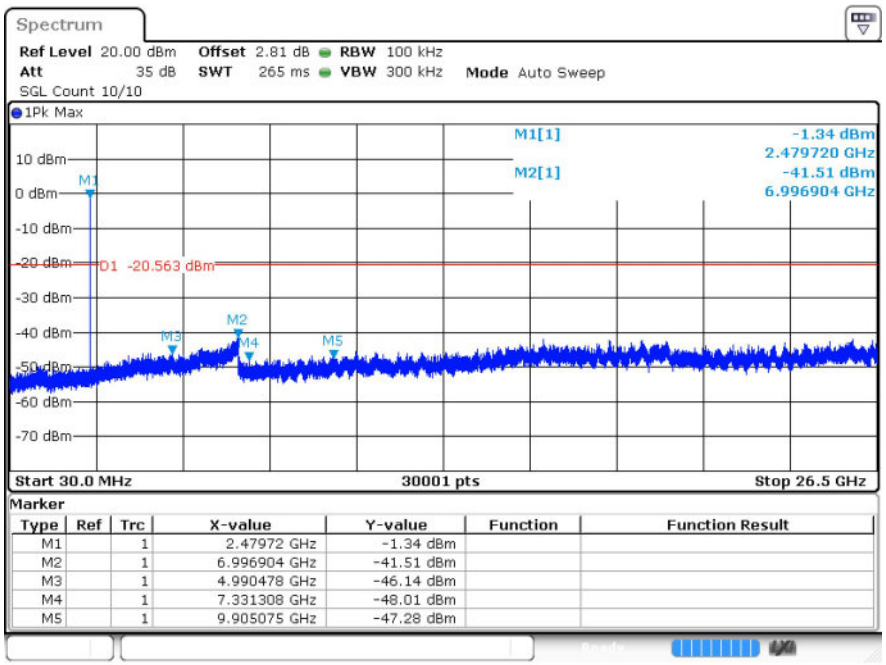
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

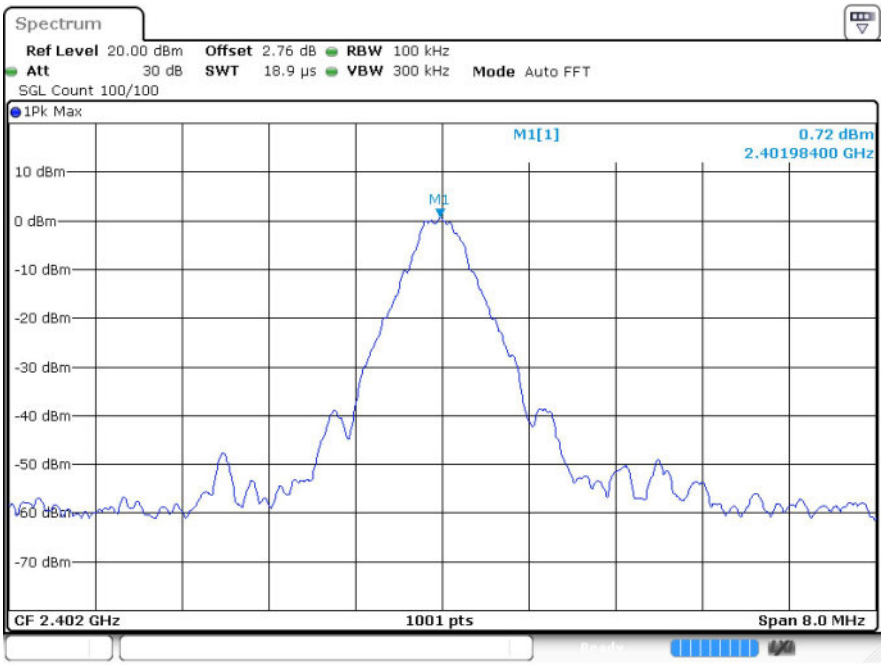
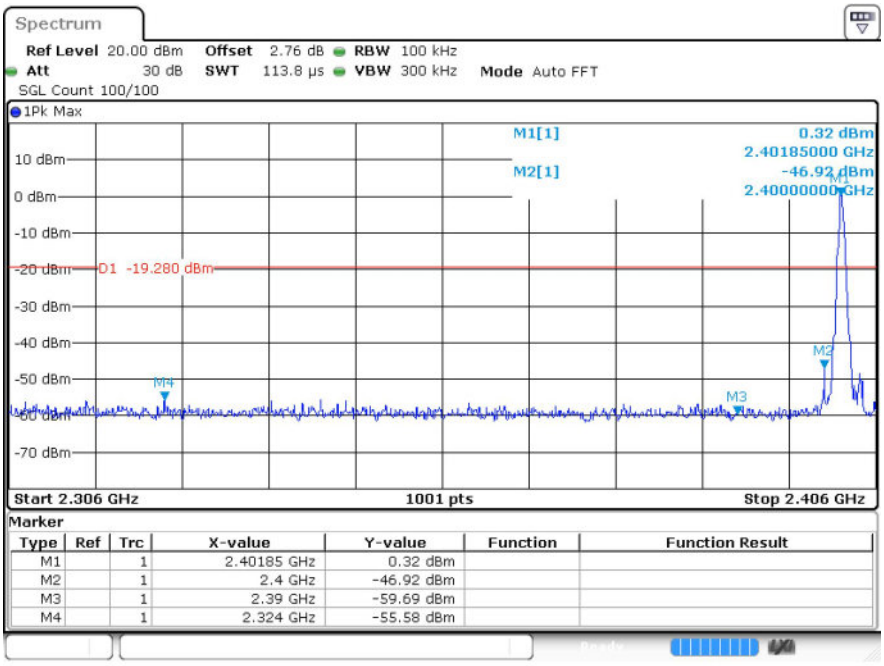
8DPSK_HCH_Graphs	
Pref	
Puw	

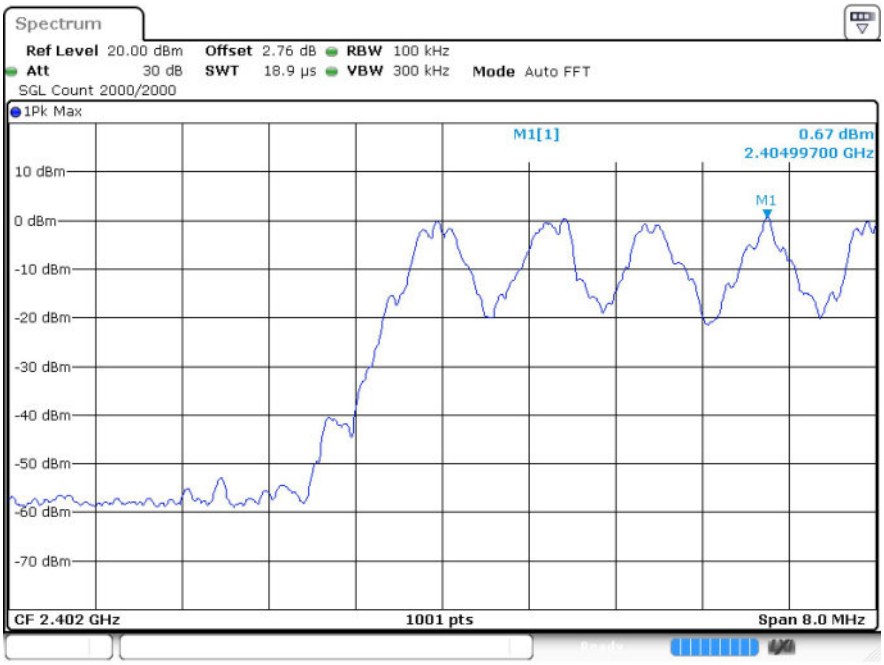
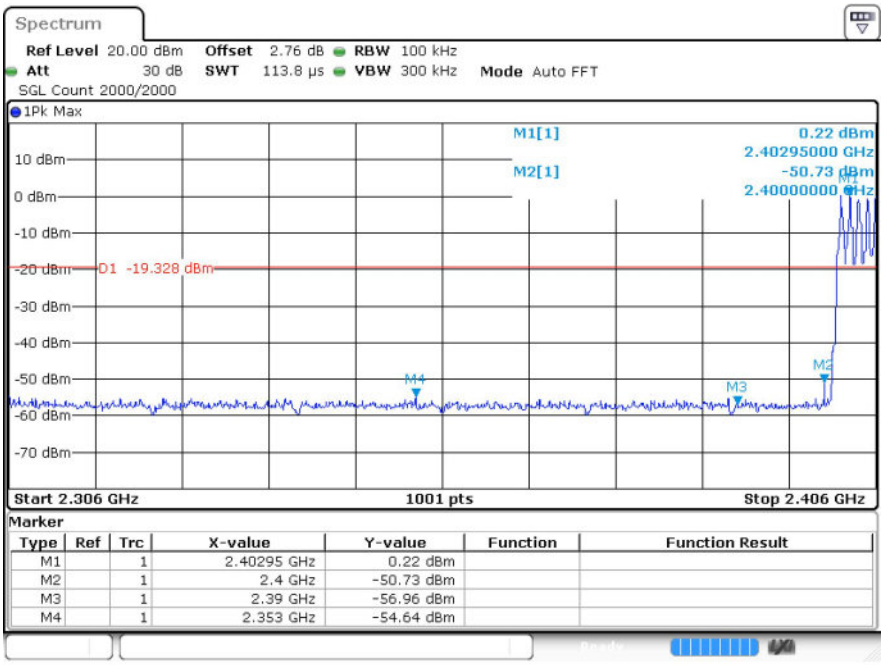
8 Band-edge for RF Conducted Emissions

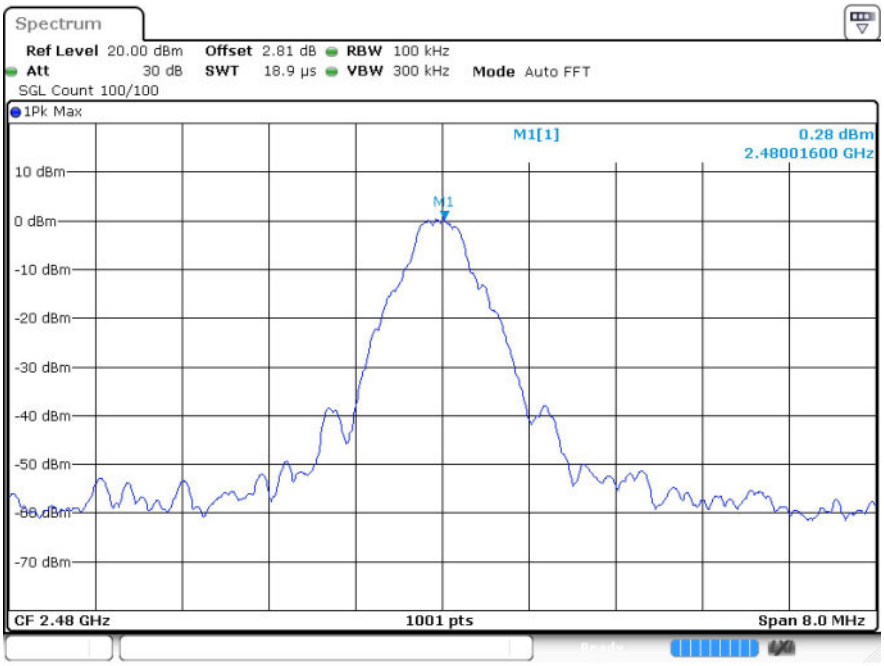
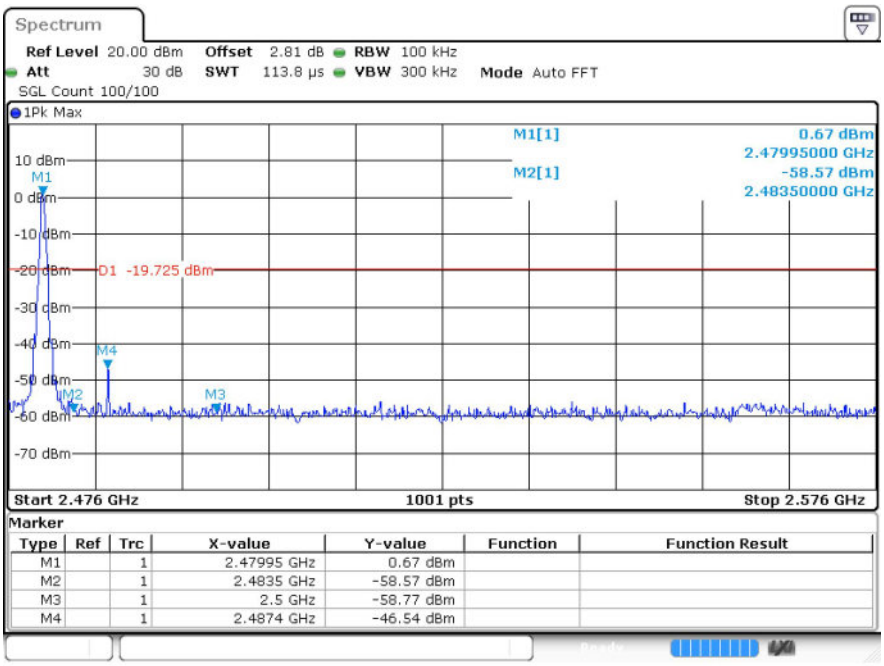
8.1 Test Result

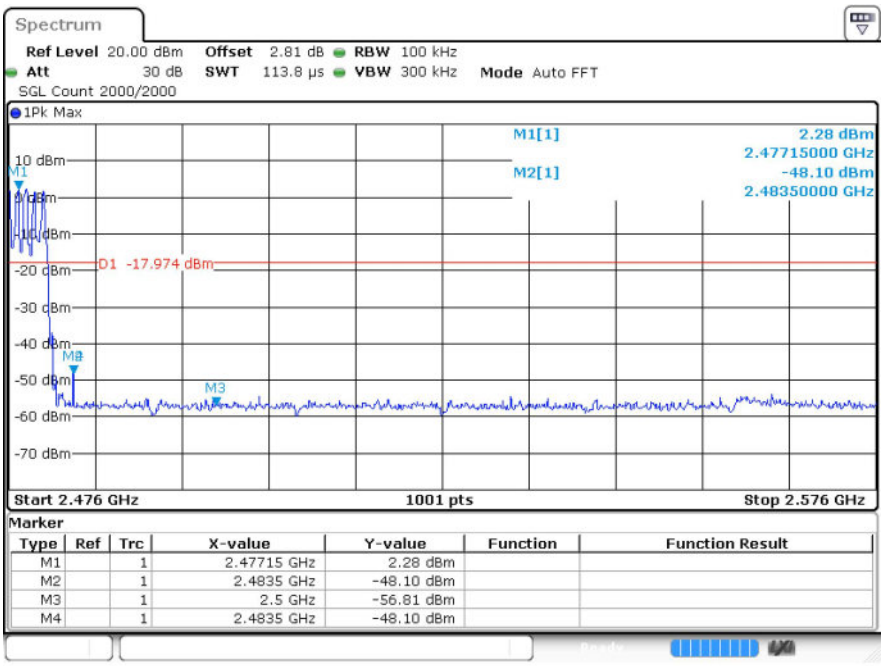
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-56.29	-20	Pass
			On	-55.31	-20	Pass
	HCH	2480	Off	-46.81	-20	Pass
			On	-50.13	-20	Pass
π/4DQPSK	LCH	2402	Off	-55.82	-20	Pass
			On	-52.51	-20	Pass
	HCH	2480	Off	-46.9	-20	Pass
			On	-48.26	-20	Pass
8DPSK	LCH	2402	Off	-55.52	-20	Pass
			On	-55.12	-20	Pass
	HCH	2480	Off	-45.98	-20	Pass
			On	-48.46	-20	Pass

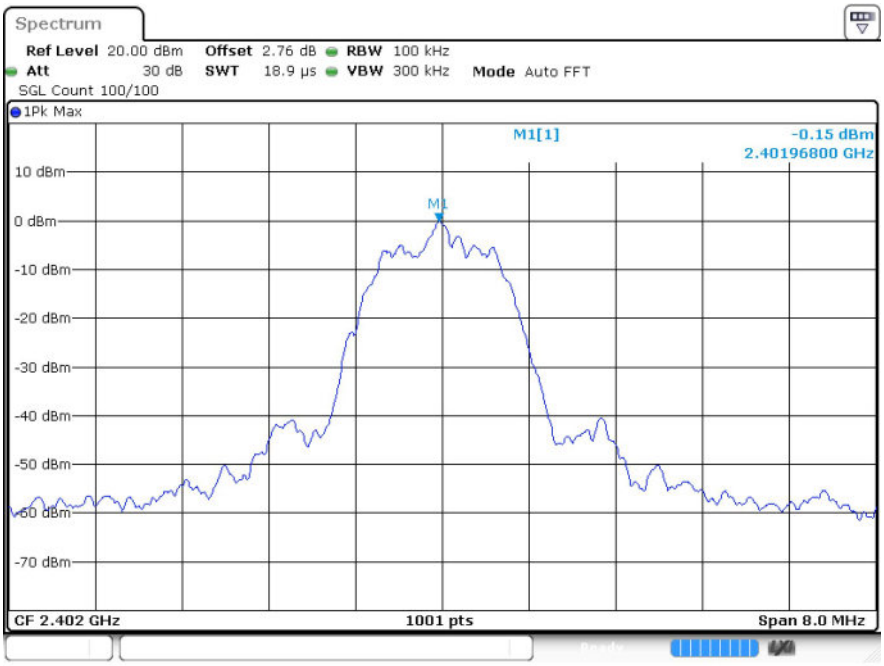
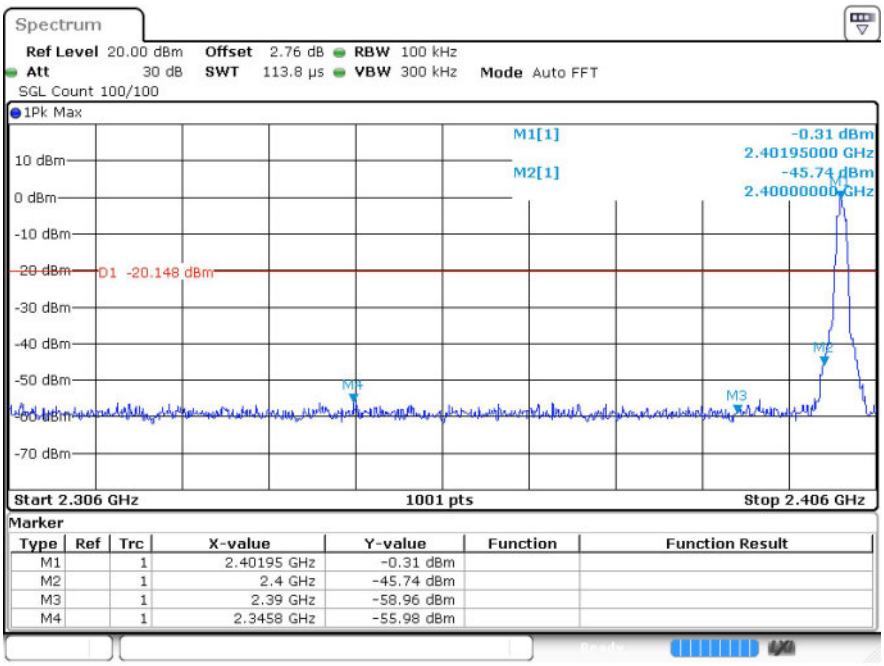
8.2 Test Graphs

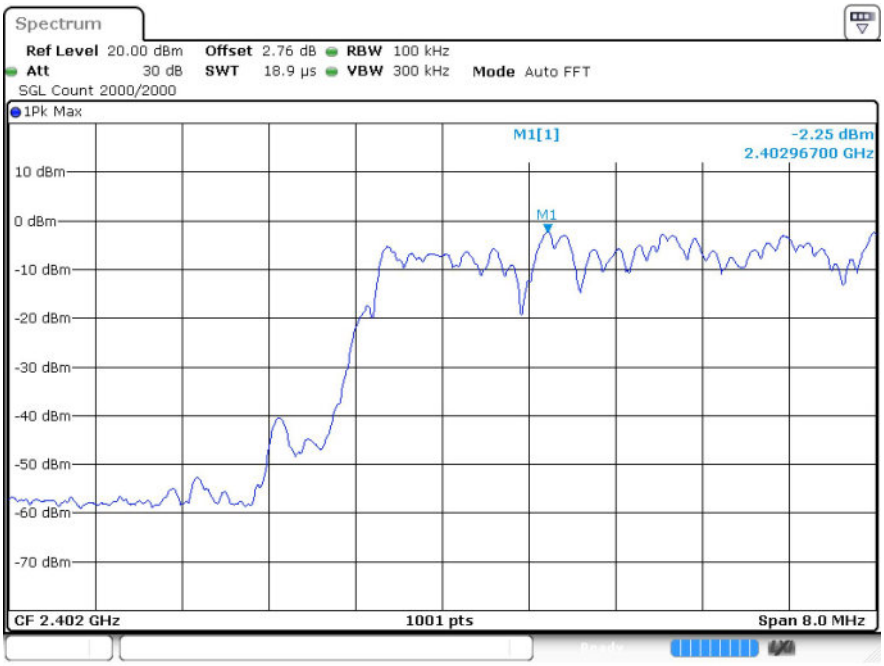
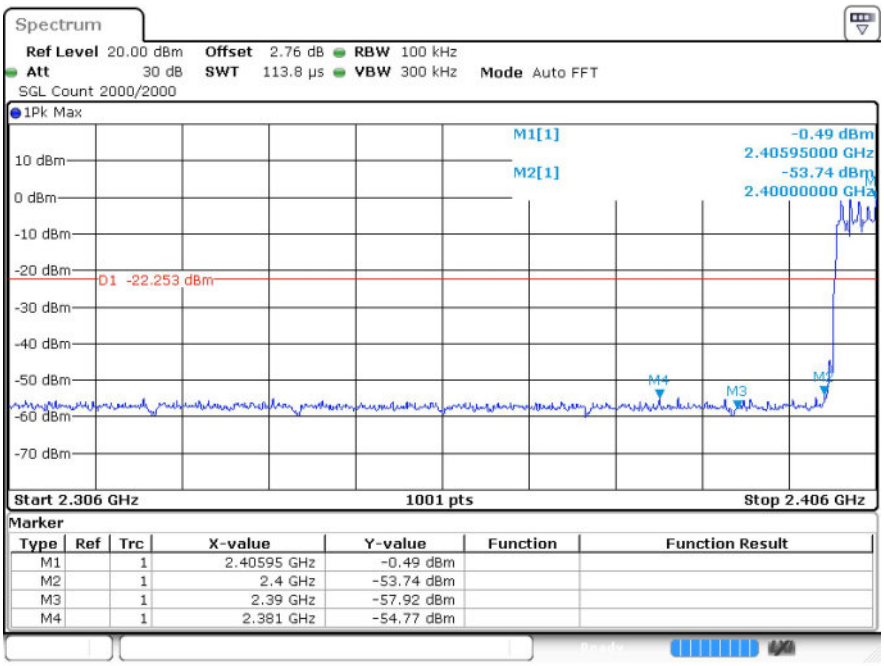
Test Graphs	
Pref	
GFSK/LCH/No Hop	

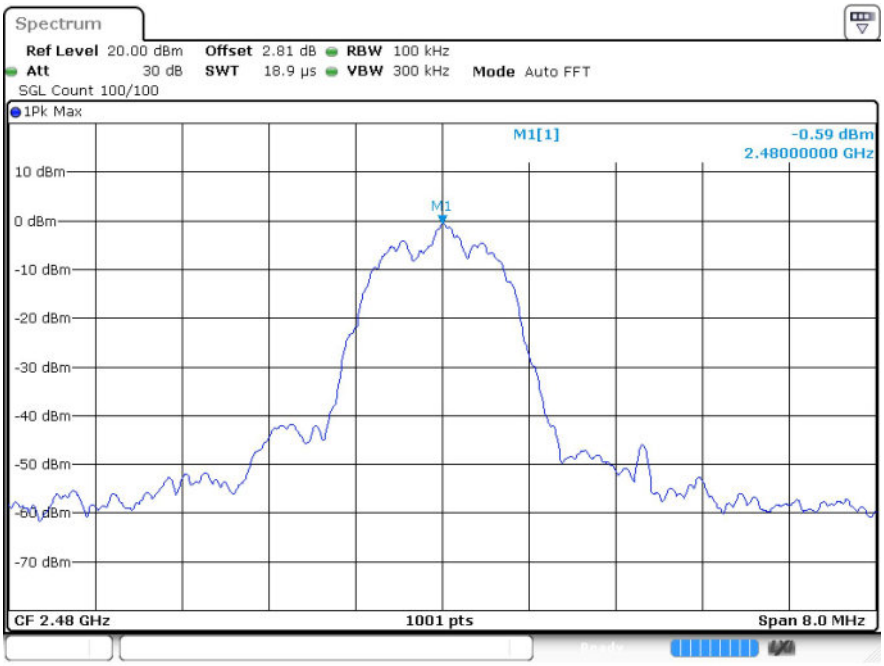
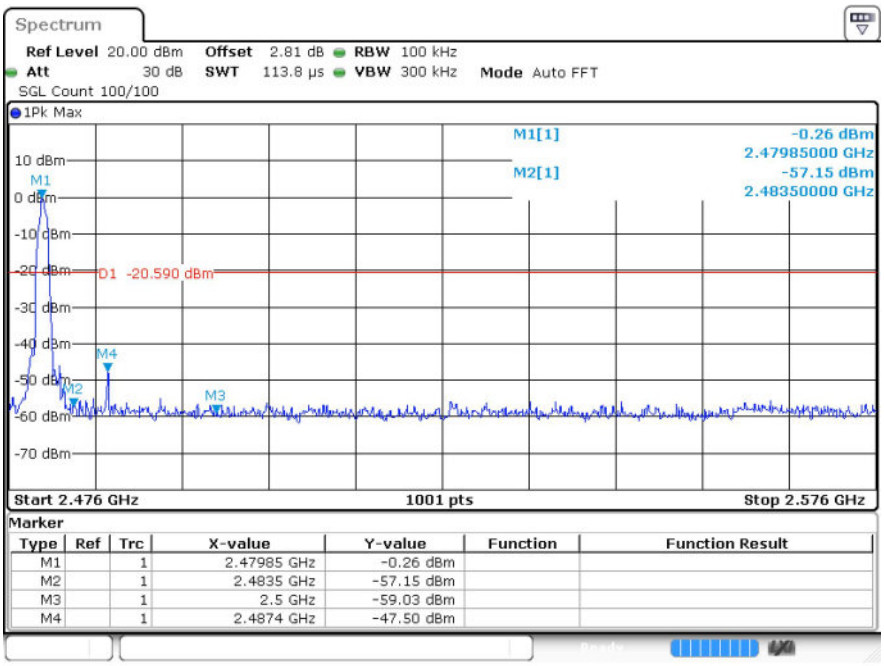
Ref	
GFSK/LCH/Hop	

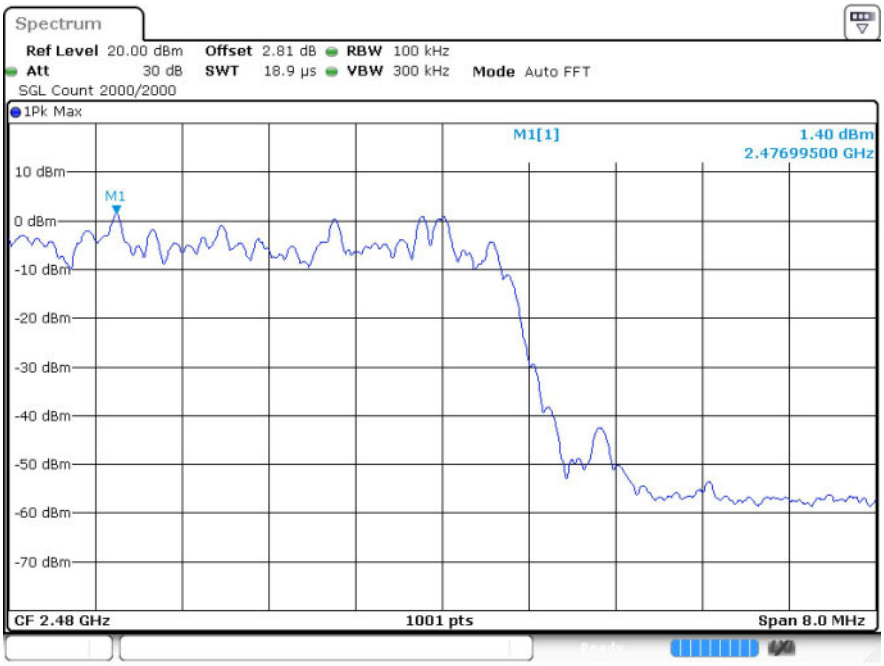
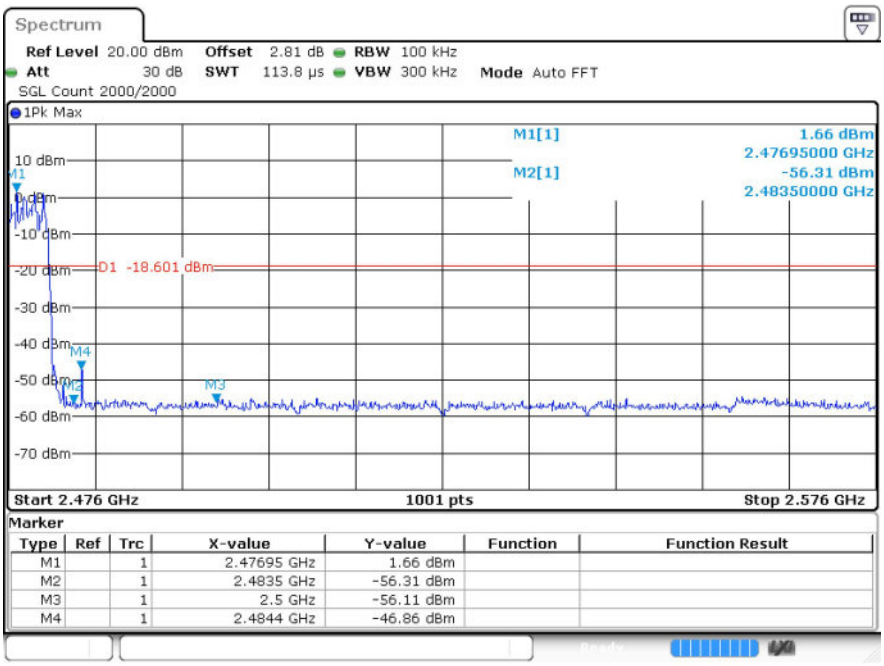
Ref	
GFSK/HCH/No Hop	

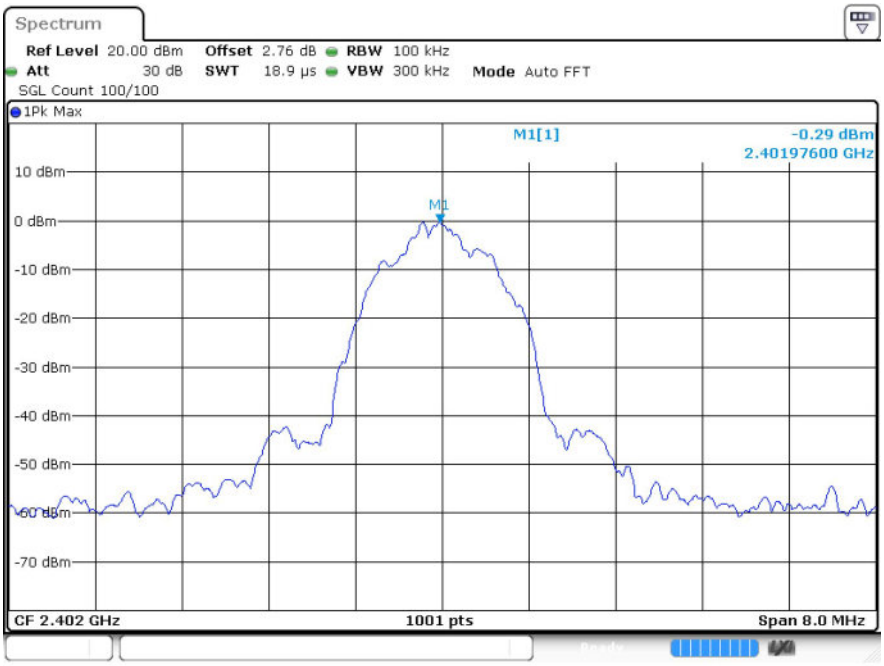
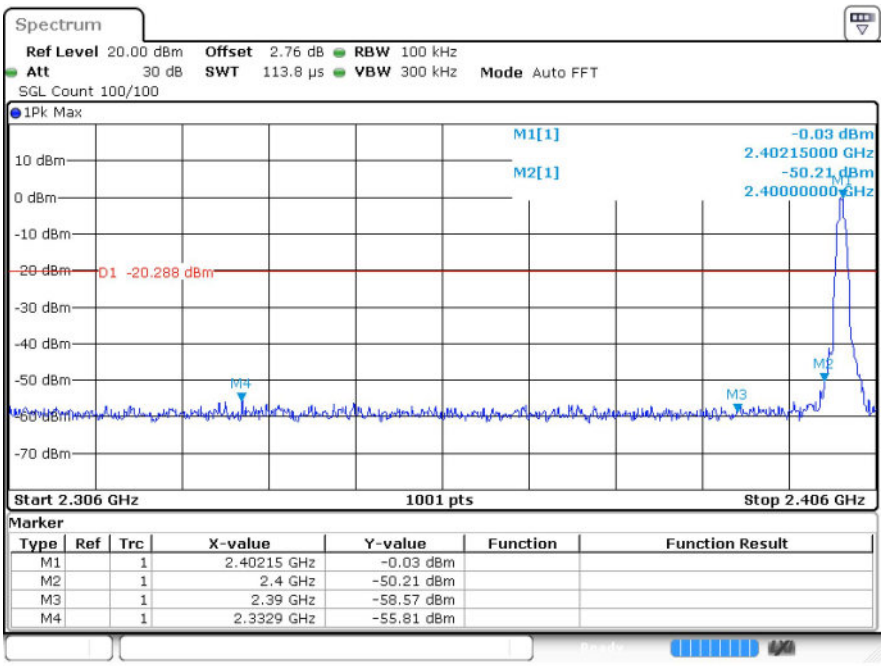
Ref.	
GFSK/HCH/Hop	

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	

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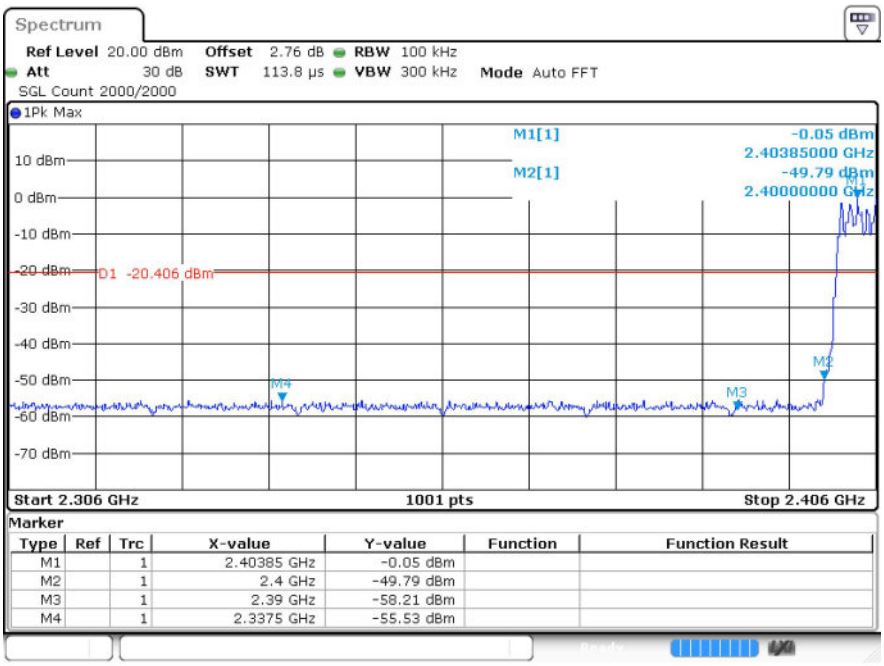
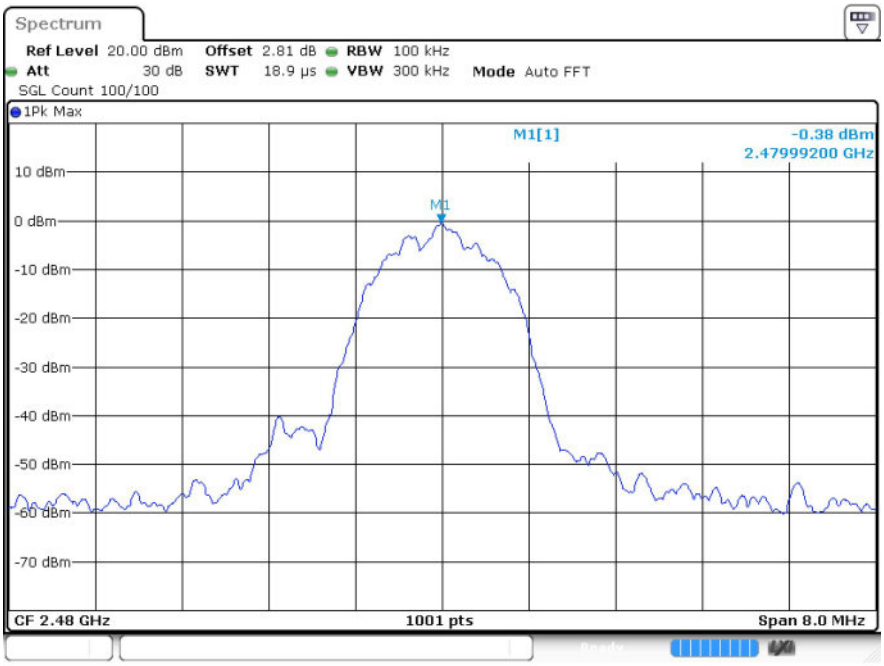
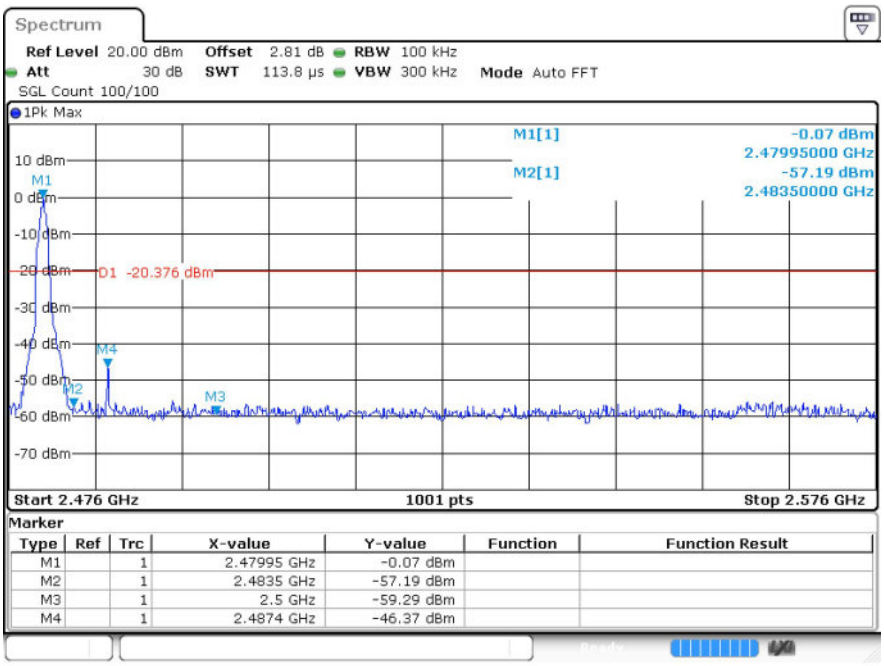
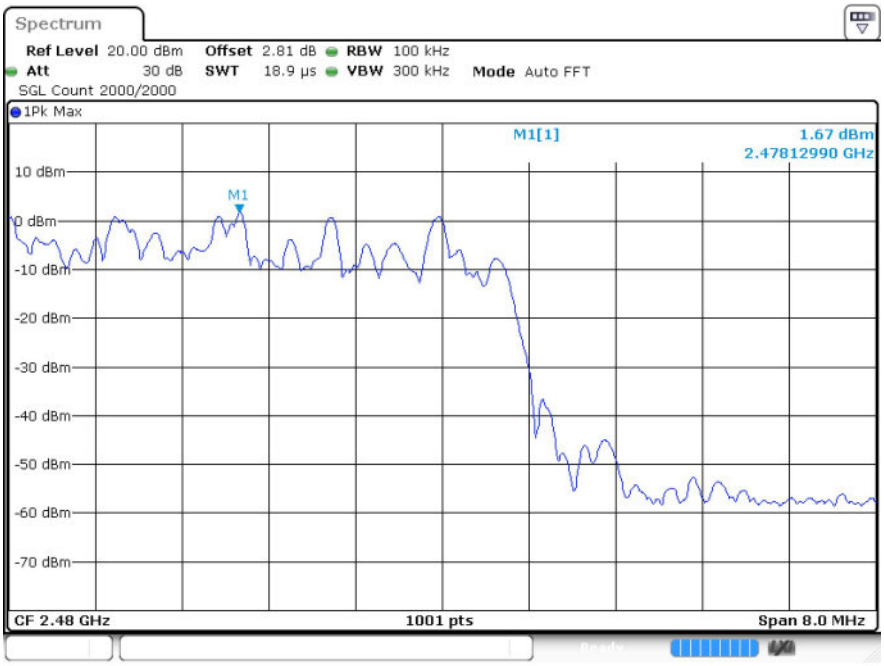
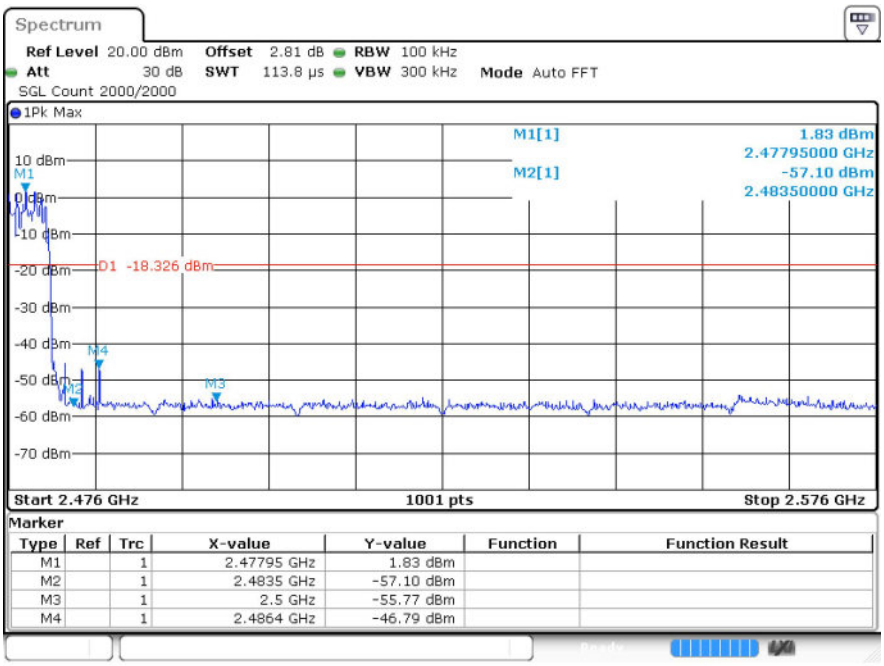
8DPSK/LCH/Hop	

Ref	
8DPSK/HCH/No Hop	

Ref	
8DPSK/HCH/Hop	

9 Restrict-band band-edge measurements

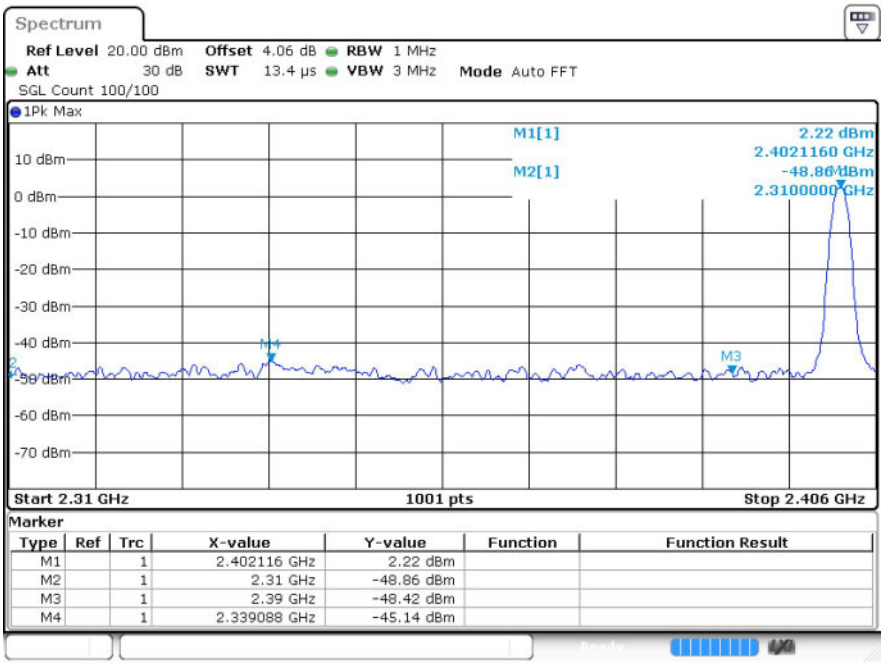
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Cycle Factor (dB)	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-48.85	2	--	48.41	PEAK	74	Pass
	Off	2310.0	-56.44	2	5.06	45.88	AV	54	Pass
	Off	2339.088	-45.14	2	--	52.12	PEAK	74	Pass
	Off	2339.472	-54.39	2	5.06	47.93	AV	54	Pass
	Off	2390.0	-48.42	2	--	48.84	PEAK	74	Pass
	Off	2390.0	-57.03	2	5.06	45.29	AV	54	Pass
	Off	2483.5	-46.83	2	--	50.43	PEAK	74	Pass
	Off	2483.5	-55.03	2	5.06	47.29	AV	54	Pass
	Off	2487.4	-42.41	2	--	54.85	PEAK	74	Pass
	Off	2483.512	-55.03	2	5.06	47.29	AV	54	Pass
	Off	2500.0	-49.3	2	--	47.96	PEAK	74	Pass
	Off	2500.0	-56.39	2	5.06	45.93	AV	54	Pass
π/4DQPSK	Off	2310.0	-49.75	2	--	47.51	PEAK	74	Pass
	Off	2310.0	-56.55	2	4.95	45.66	AV	54	Pass
	Off	2338.896	-43.8	2	--	53.46	PEAK	74	Pass
	Off	2338.992	-54.49	2	4.95	47.72	AV	54	Pass
	Off	2390.0	-48.85	2	--	48.41	PEAK	74	Pass
	Off	2390.0	-55.81	2	4.95	46.40	AV	54	Pass
	Off	2483.5	-46.82	2	--	50.44	PEAK	74	Pass
	Off	2483.5	-54.73	2	4.95	47.48	AV	54	Pass
	Off	2487.472	-44.4	2	--	52.86	PEAK	74	Pass
	Off	2483.512	-54.73	2	4.95	47.48	AV	54	Pass
	Off	2500.0	-47.57	2	--	49.69	PEAK	74	Pass
	Off	2500.0	-56.51	2	4.95	45.70	AV	54	Pass
8DPSK	Off	2310.0	-47.79	2	--	49.47	PEAK	74	Pass
	Off	2310.0	-56.66	2	4.94	45.54	AV	54	Pass
	Off	2339.952	-44.66	2	--	52.60	PEAK	74	Pass
	Off	2341.584	-54.36	2	4.94	47.84	AV	54	Pass

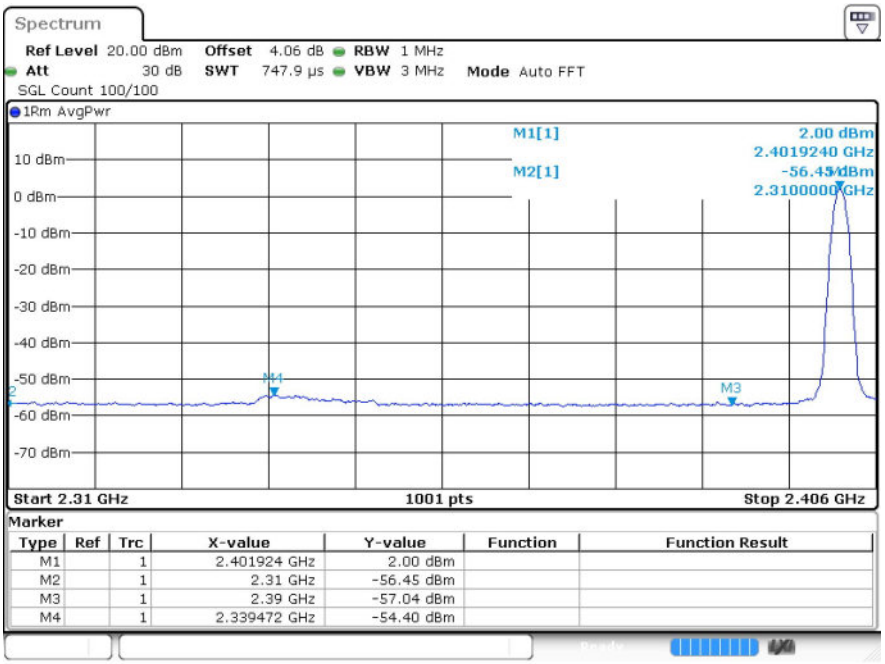
	Off	2390.0	-47.11	2	--	50.15	PEAK	74	Pass
	Off	2390.0	-56.36	2	4.94	45.84	AV	54	Pass
	Off	2483.5	-49.79	2	--	47.47	PEAK	74	Pass
	Off	2483.5	-54.31	2	4.95	47.90	AV	54	Pass
	Off	2490.064	-45.83	2	--	51.43	PEAK	74	Pass
	Off	2483.512	-54.31	2	4.95	47.90	AV	54	Pass
	Off	2500.0	-48.11	2	--	49.15	PEAK	74	Pass
	Off	2500.0	-56.56	2	4.95	45.65	AV	54	Pass

9.2 Test Graphs

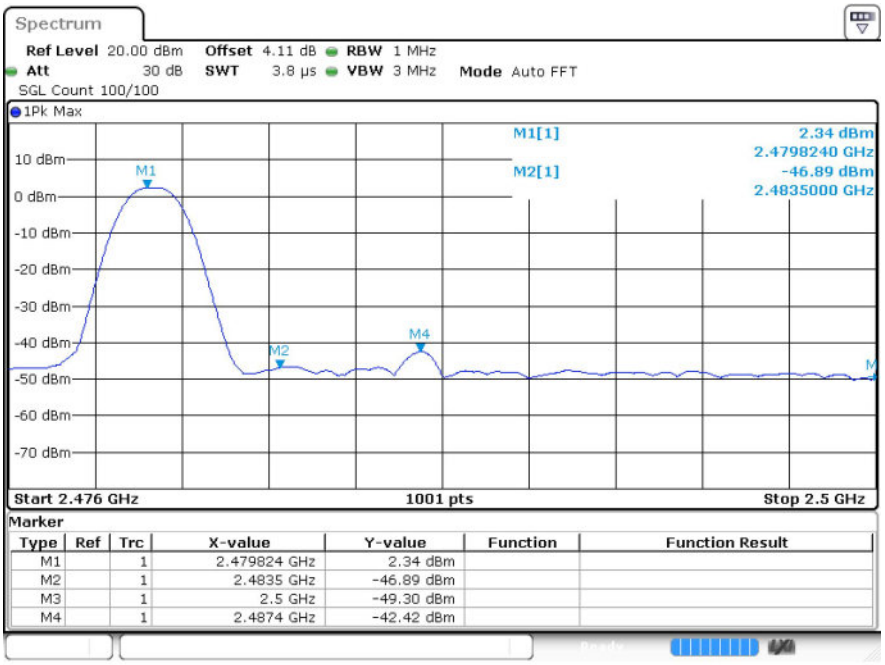
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



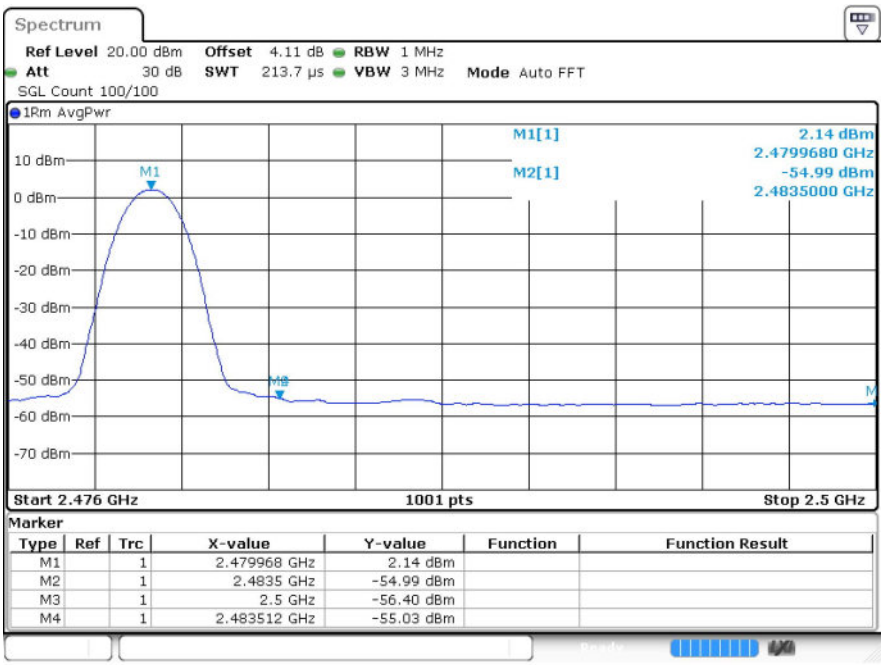
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



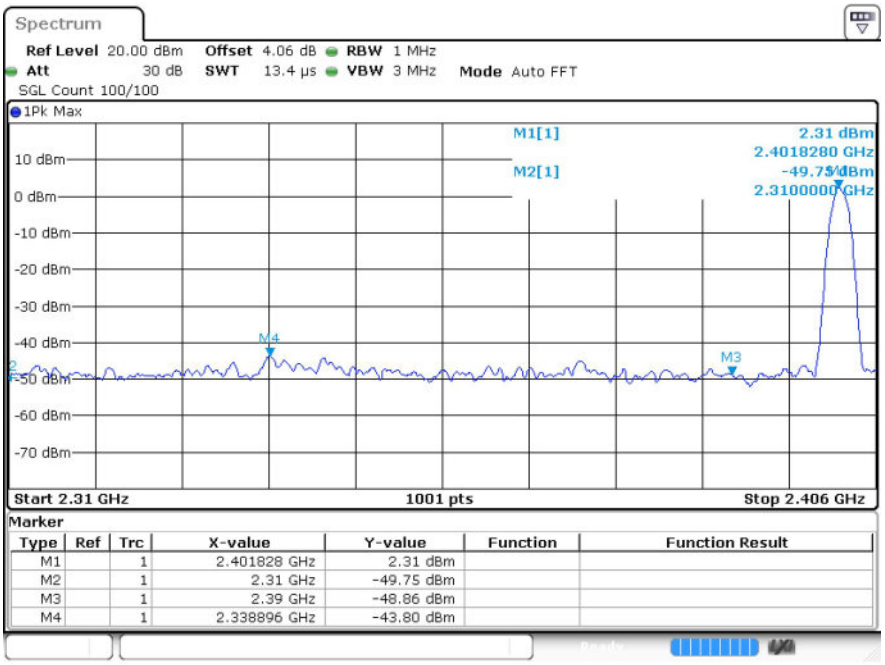
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



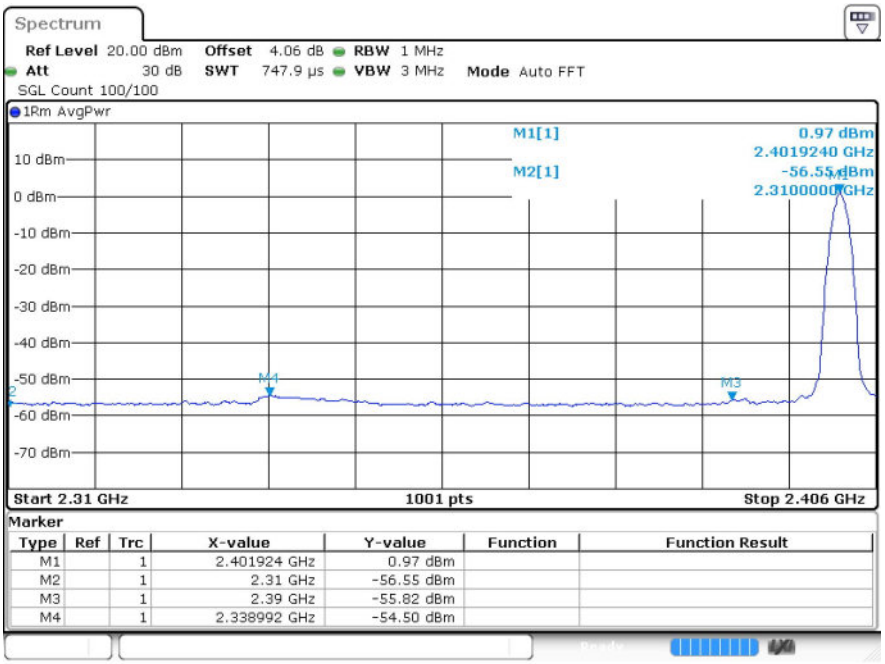
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



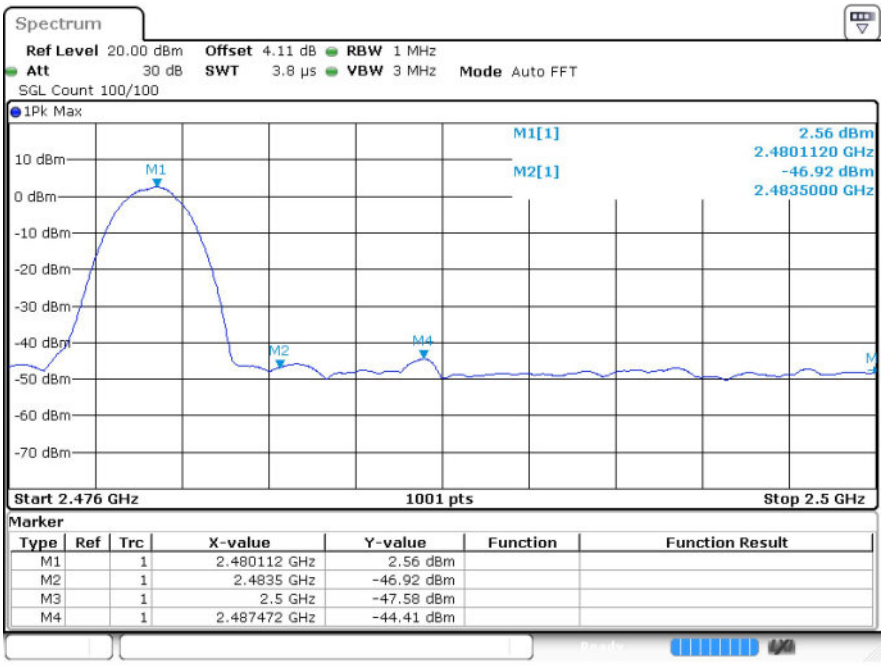
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



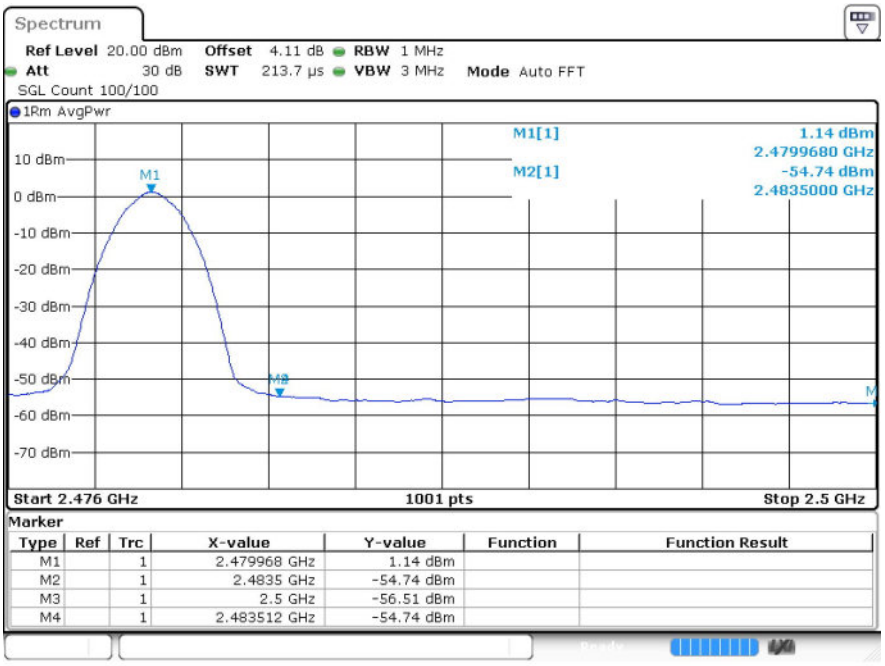
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



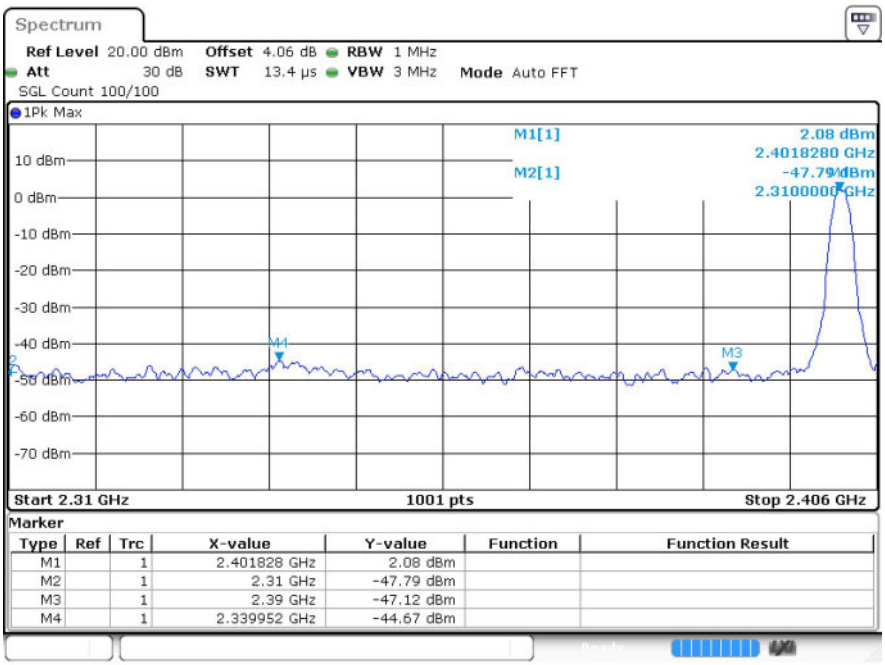
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



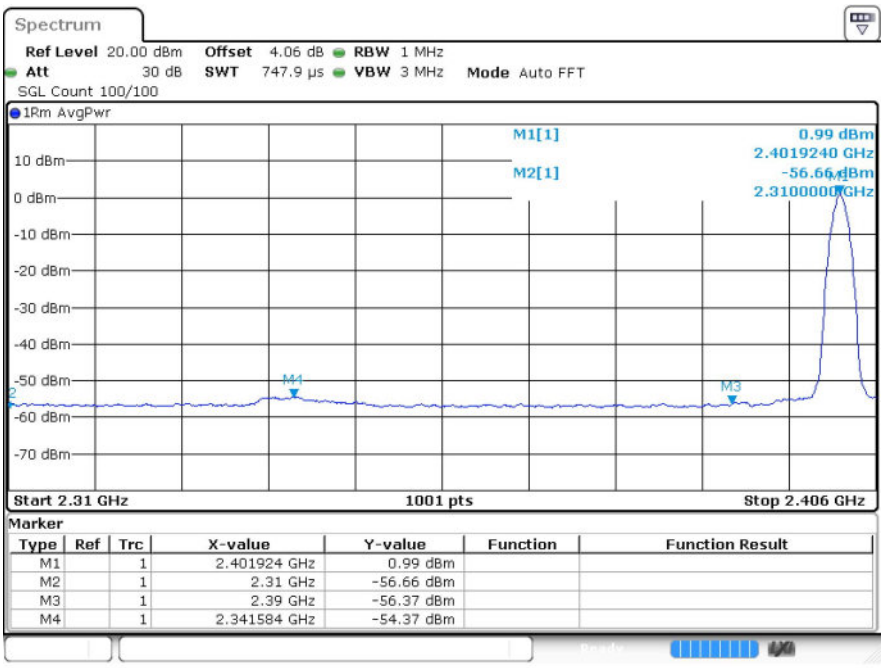
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



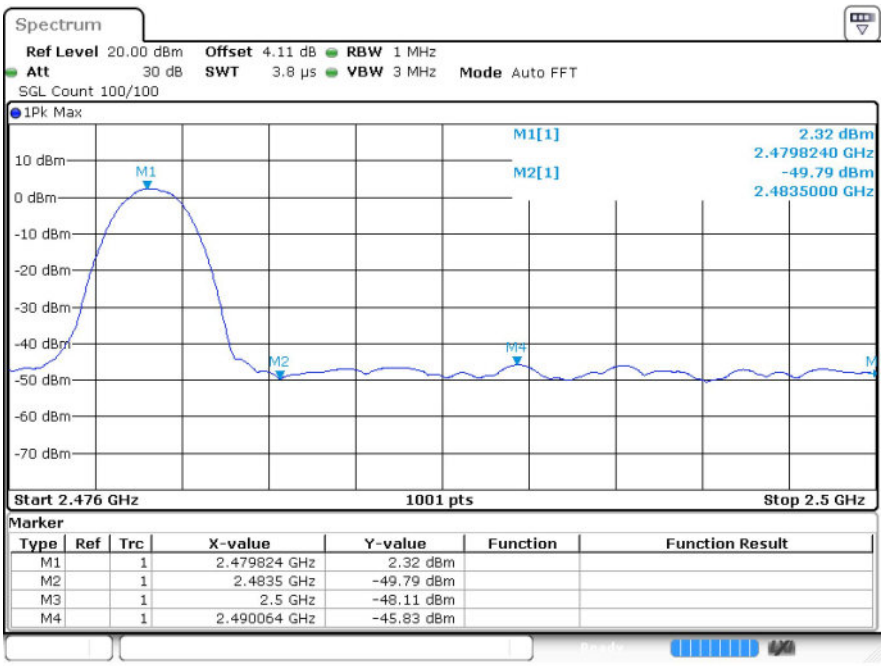
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



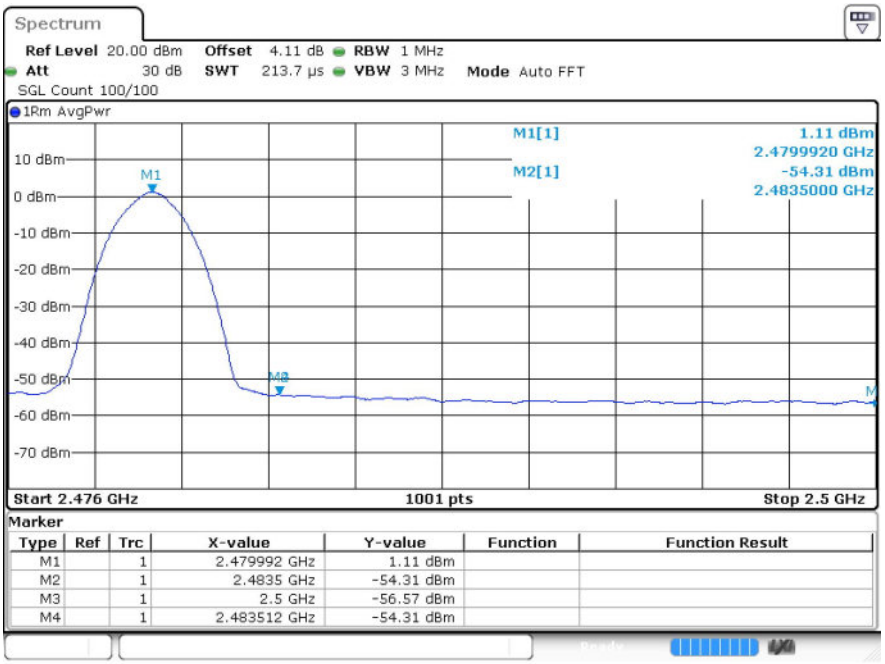
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---