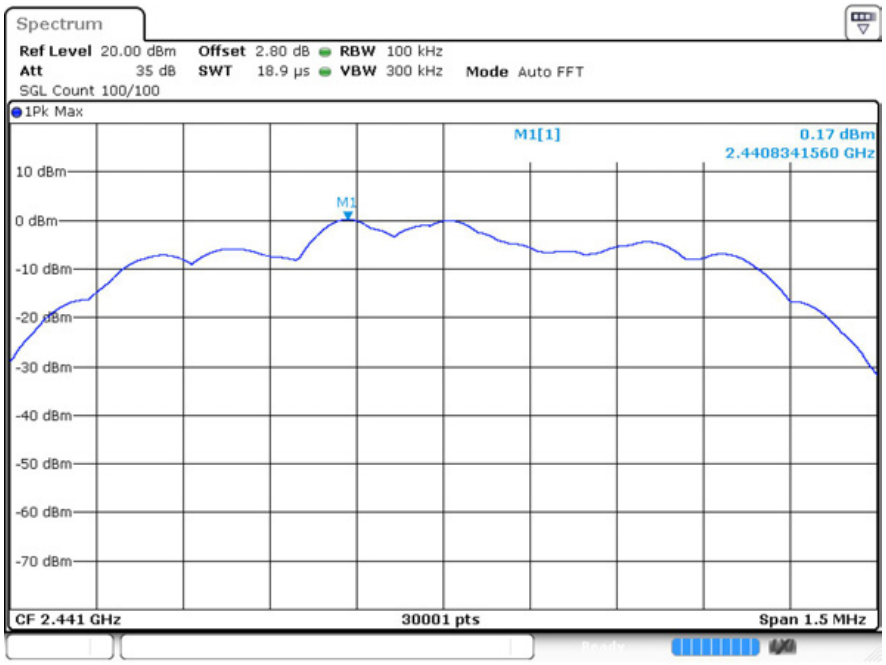
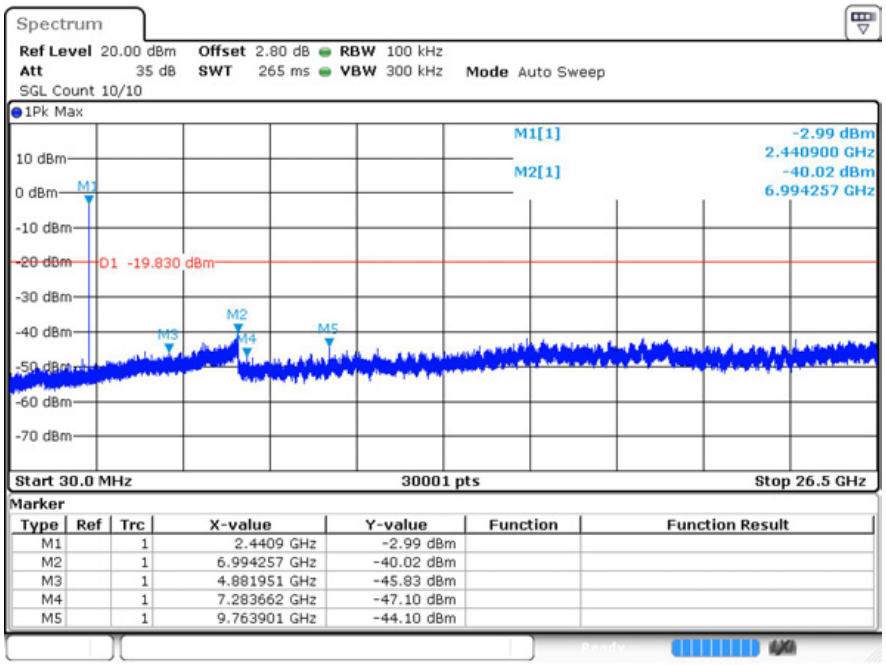
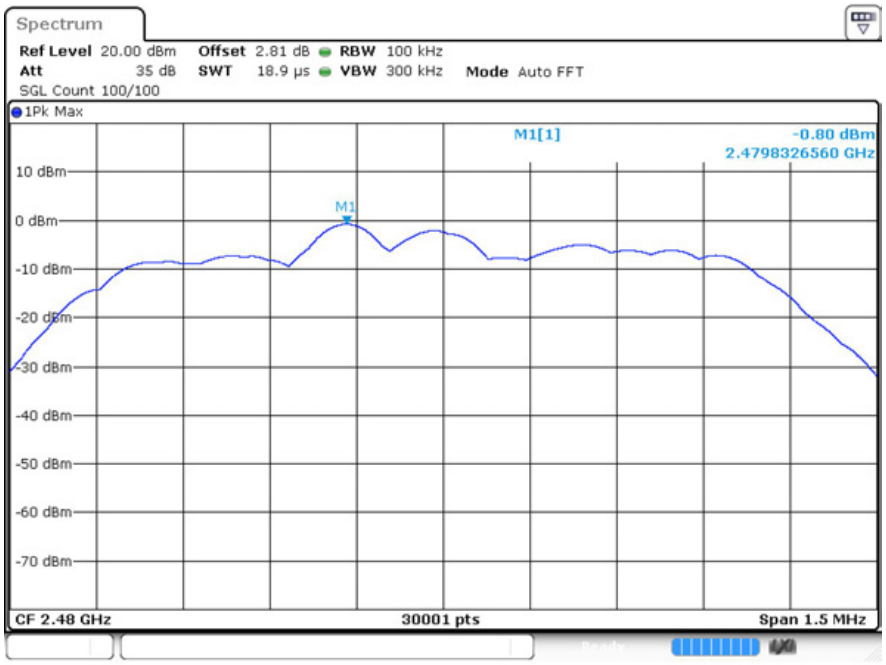
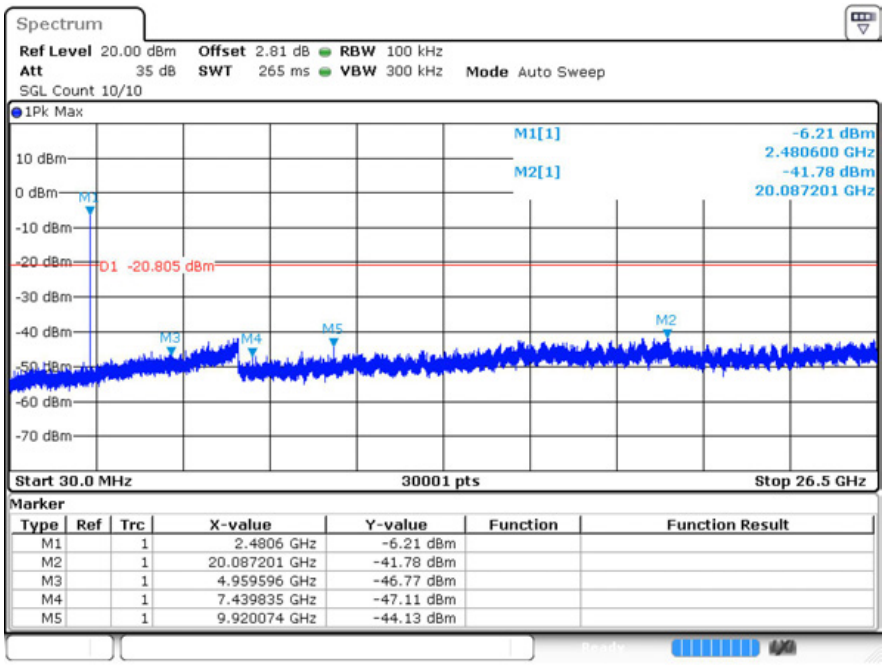
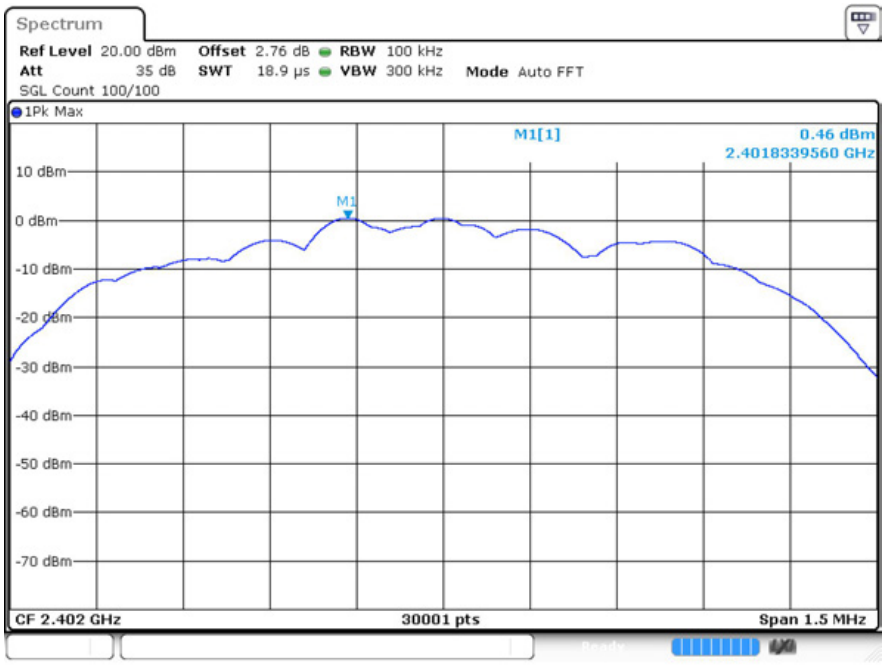
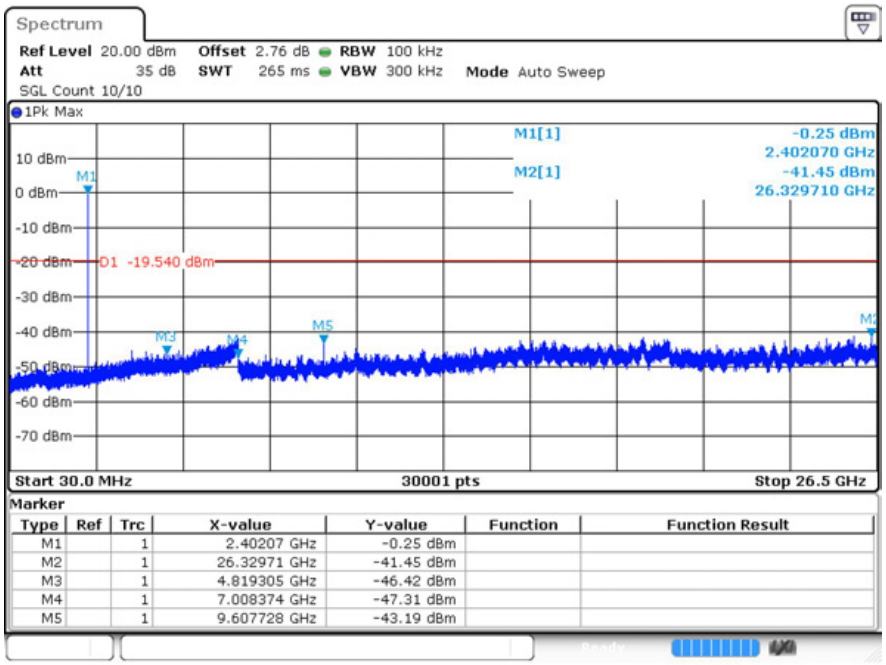
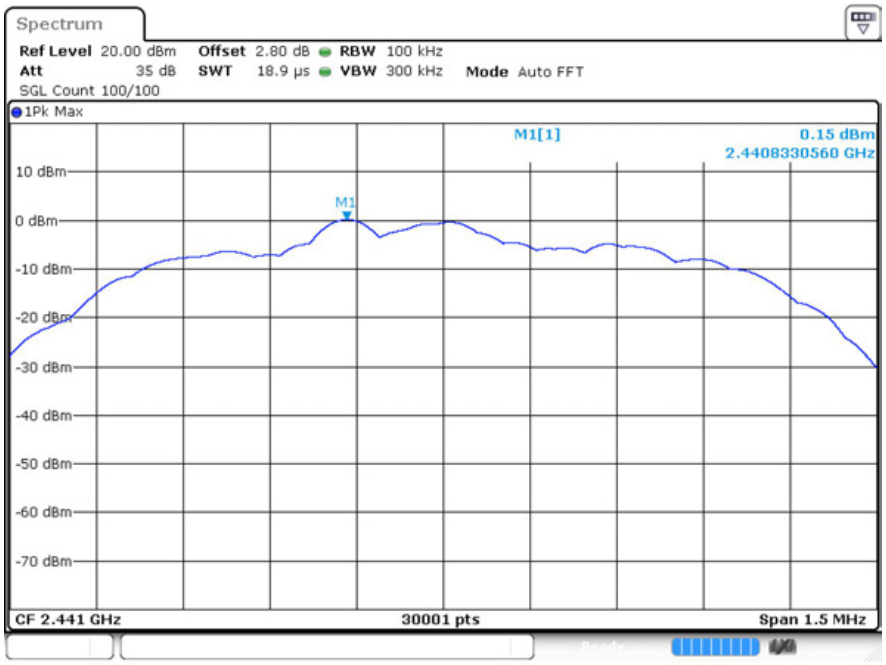
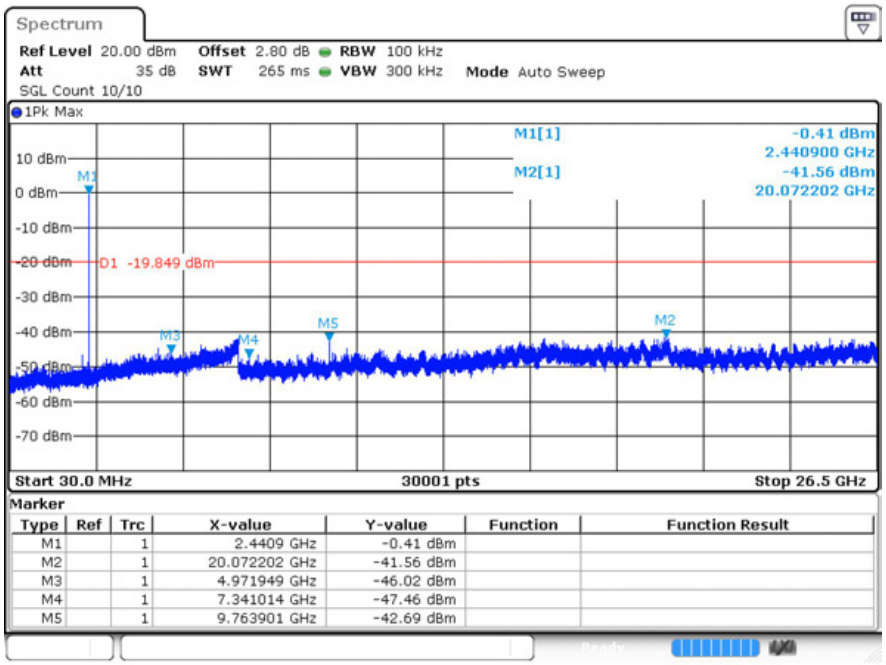
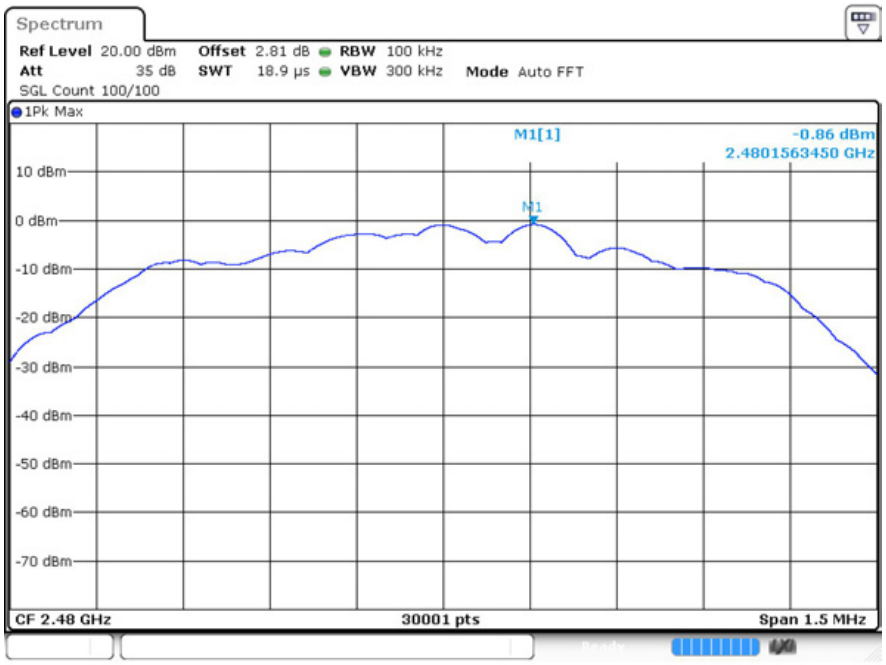
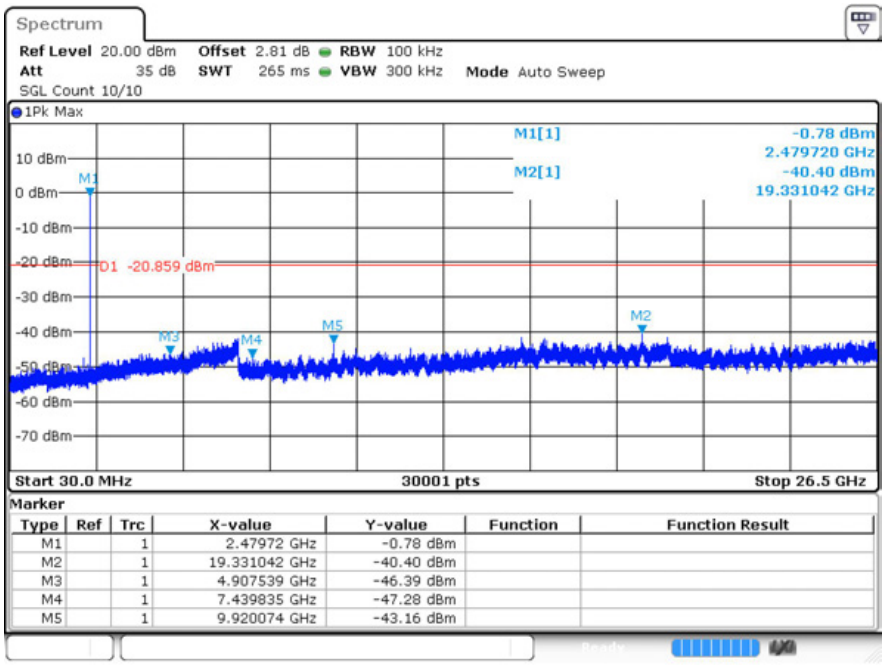
π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

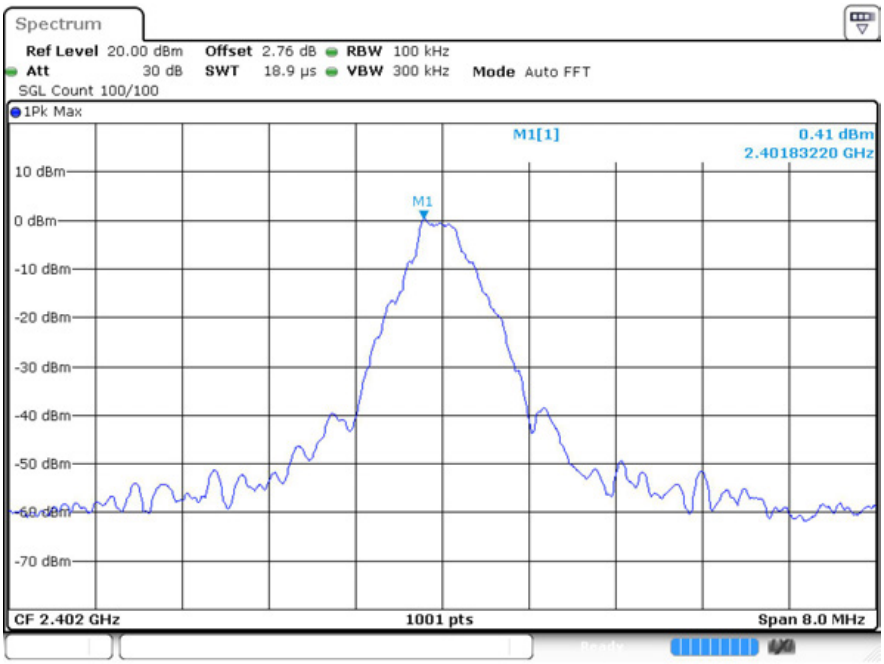
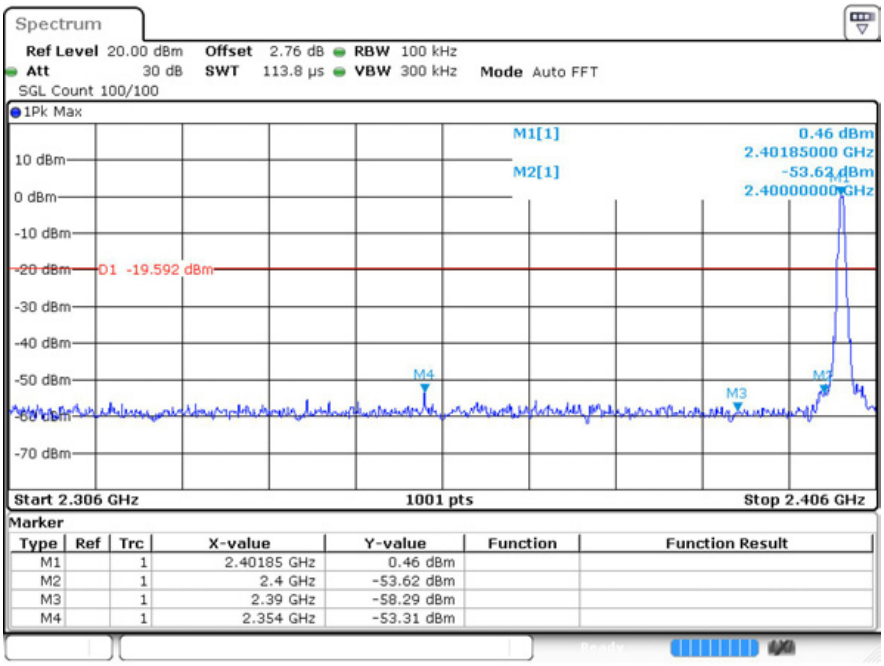
8DPSK_HCH_Graphs	
Pref	
Puw	

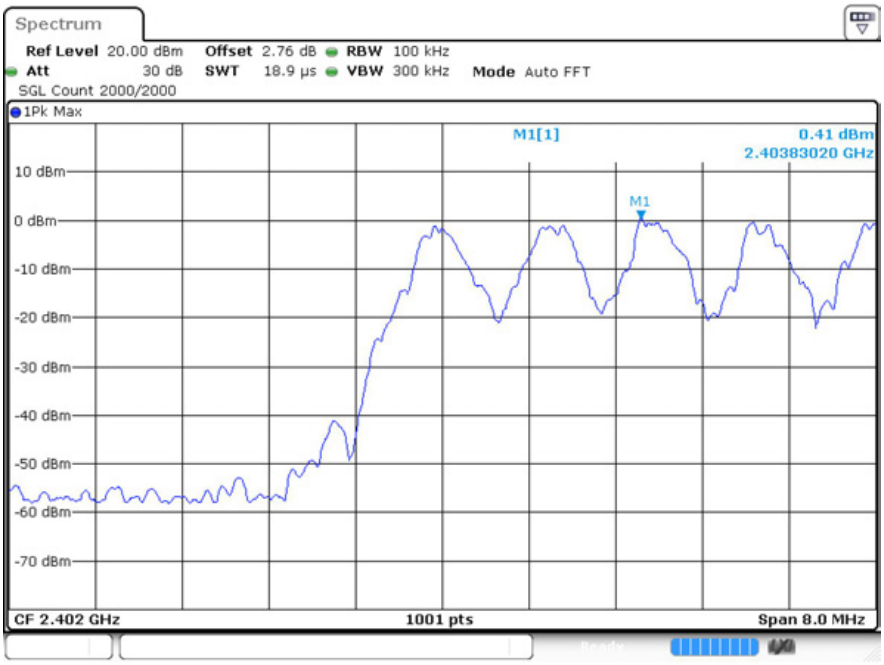
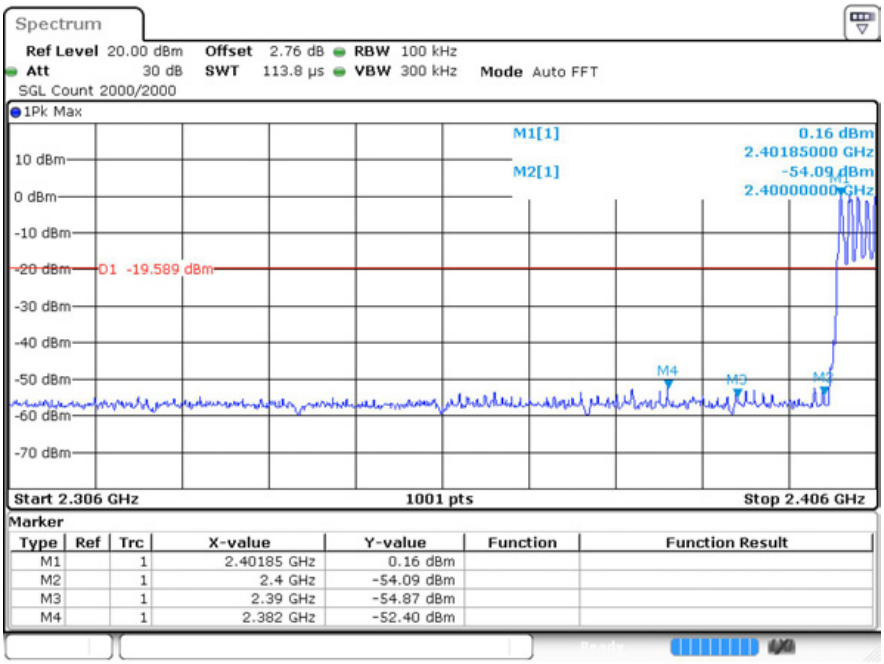
8 Band-edge for RF Conducted Emissions

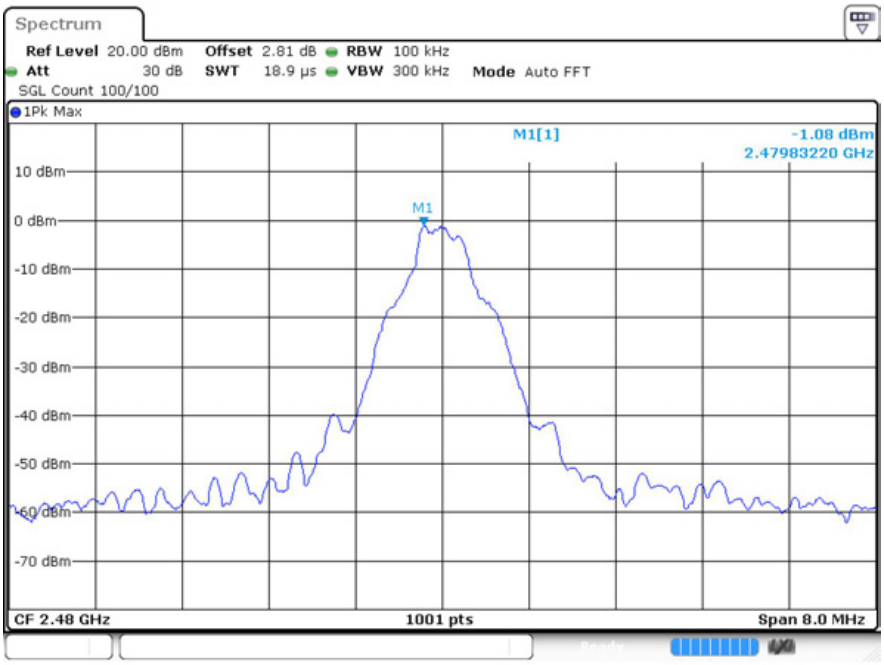
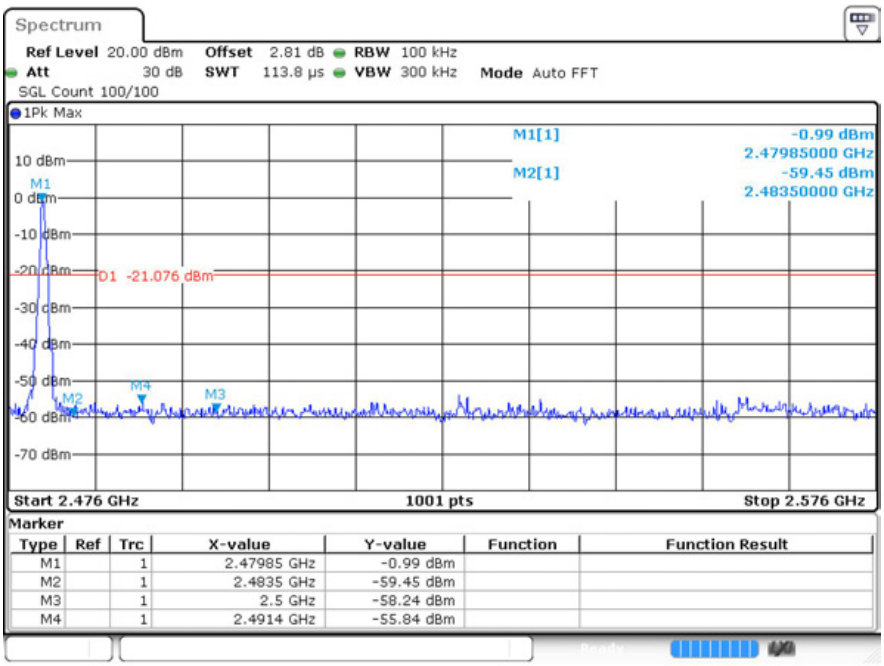
8.1 Test Result

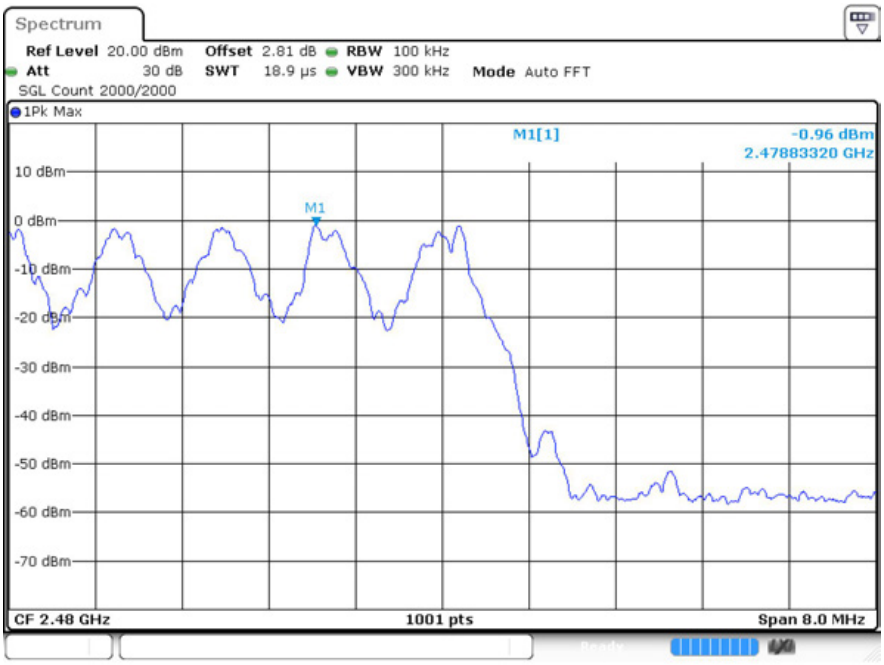
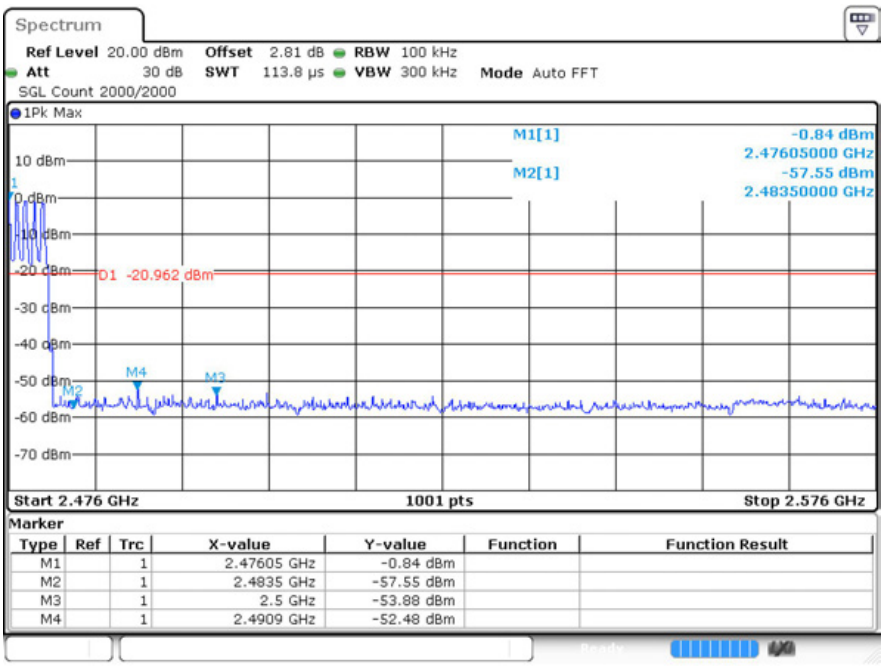
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-53.71	-20	Pass
			On	-52.81	-20	Pass
	HCH	2480	Off	-54.75	-20	Pass
			On	-51.51	-20	Pass
π/4DQPSK	LCH	2402	Off	-55.8	-20	Pass
			On	-52.92	-20	Pass
	HCH	2480	Off	-55.22	-20	Pass
			On	-51.66	-20	Pass
8DPSK	LCH	2402	Off	-55.65	-20	Pass
			On	-53.5	-20	Pass
	HCH	2480	Off	-54.67	-20	Pass
			On	-52.22	-20	Pass

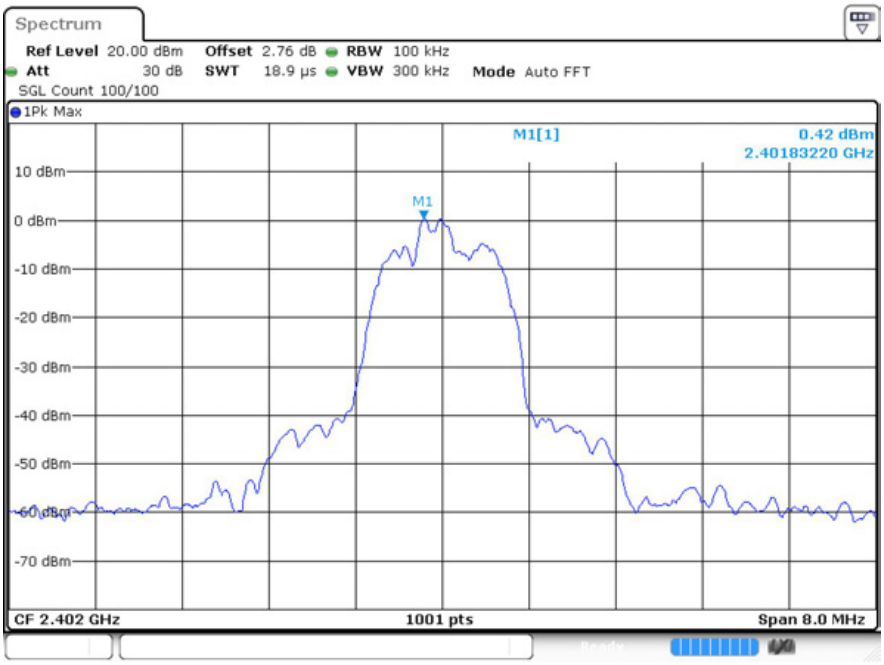
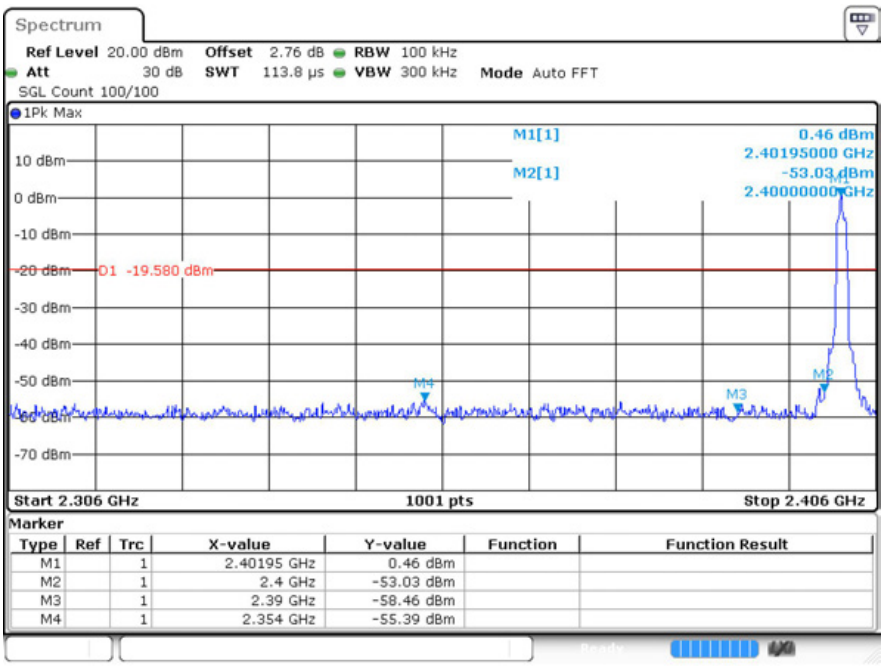
8.2 Test Graphs

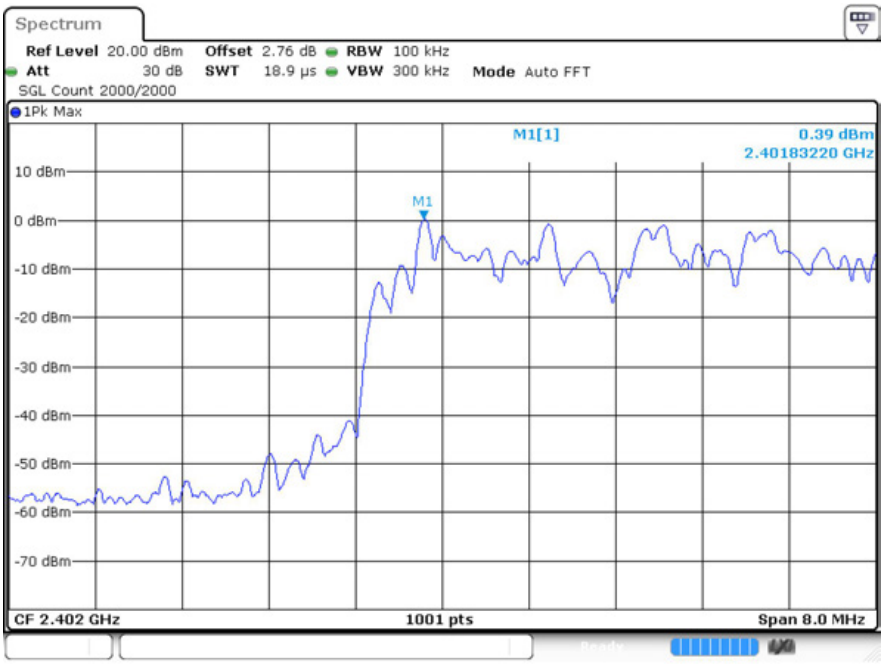
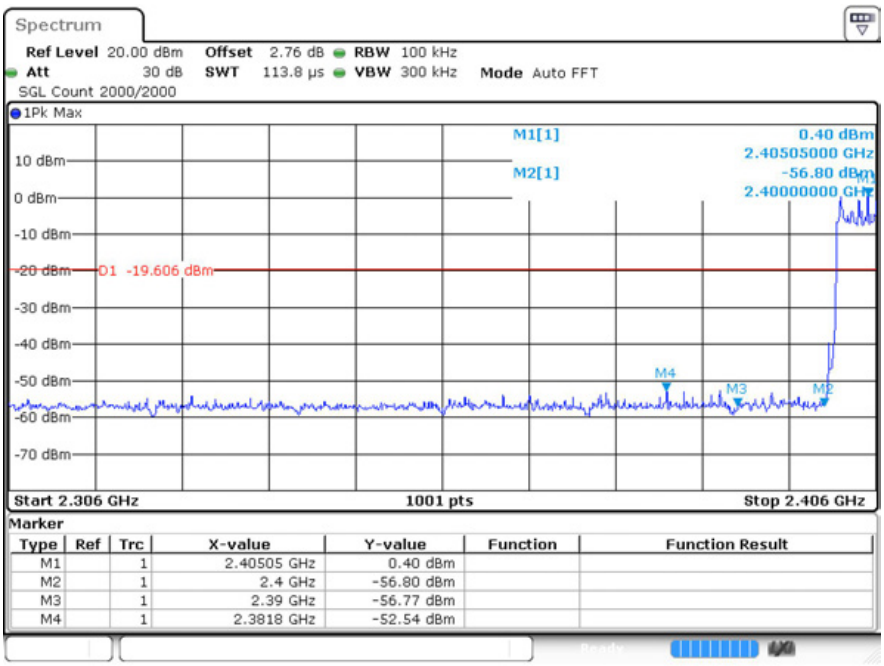
Test Graphs	
Pref	
GFSK/LCH/No Hop	

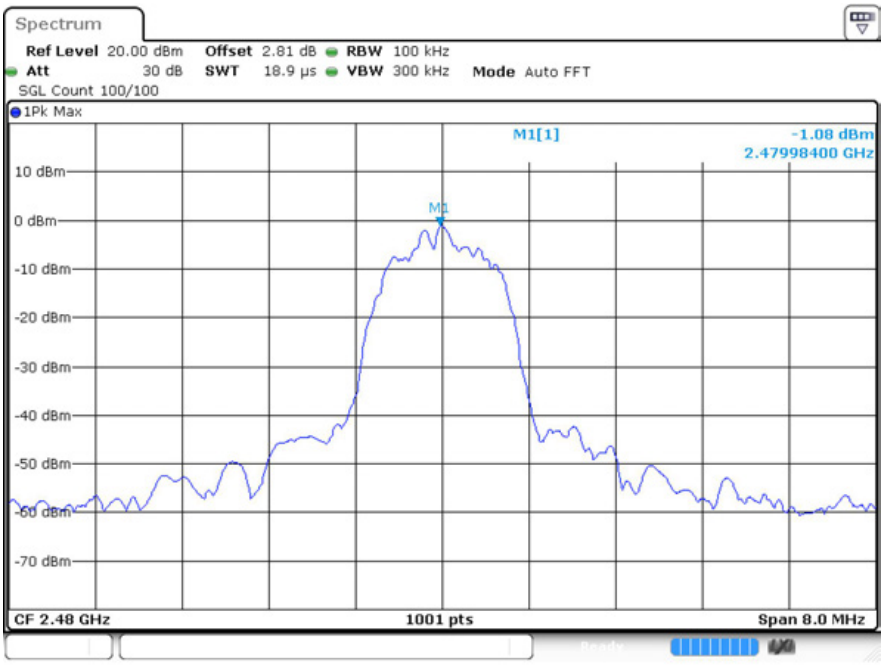
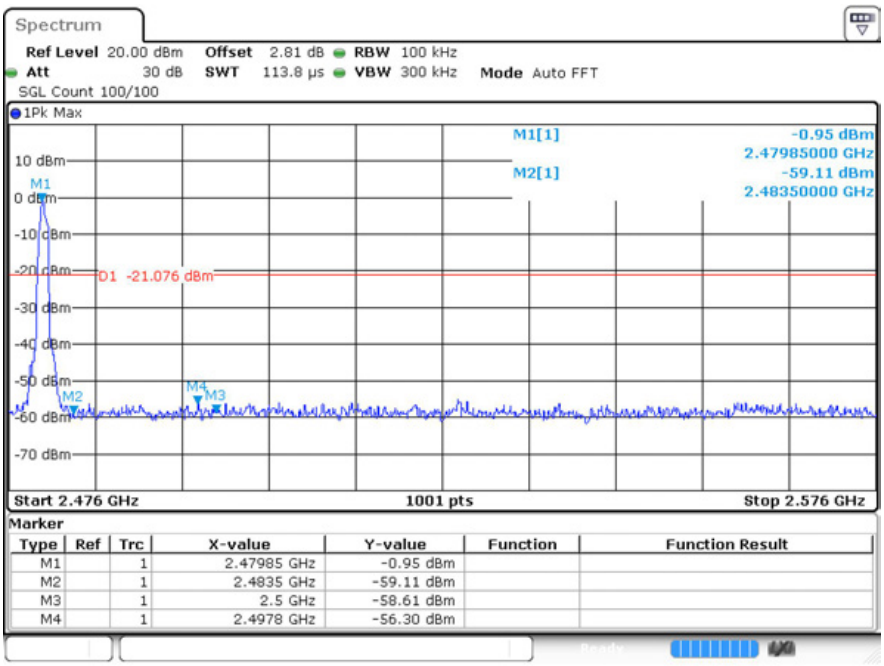
Ref	
GFSK/LCH/Hop	

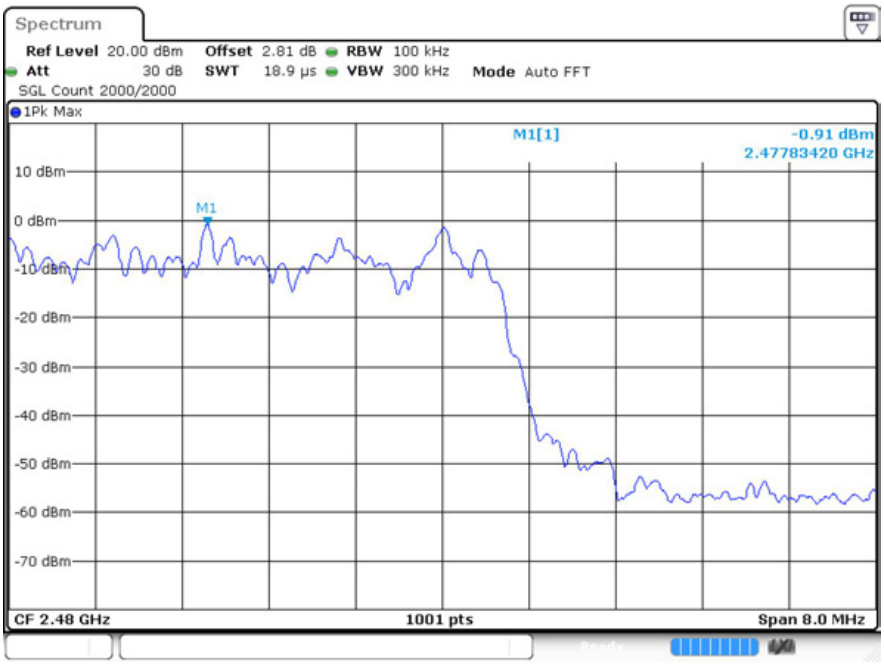
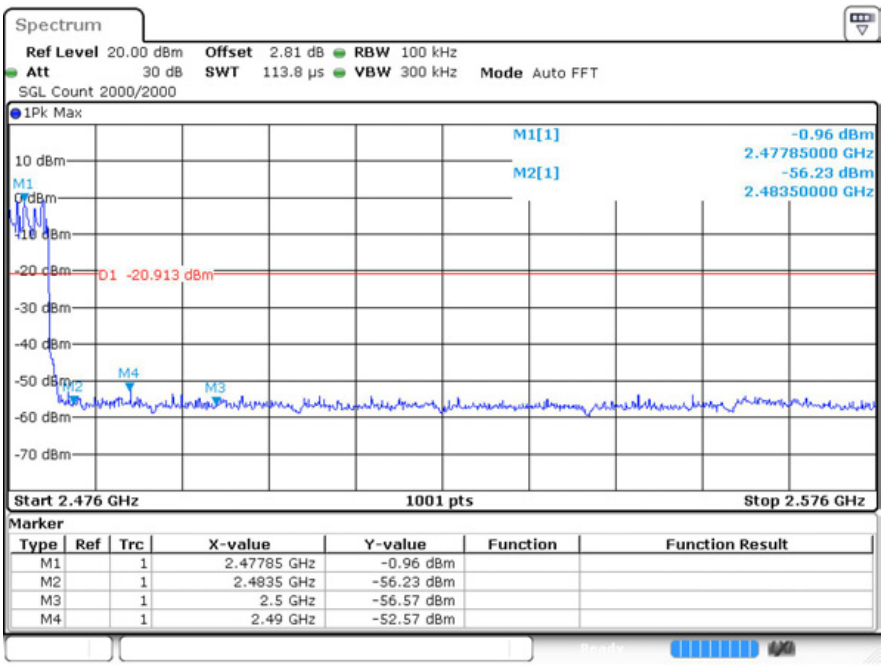
Ref	
GFSK/HCH/No Hop	

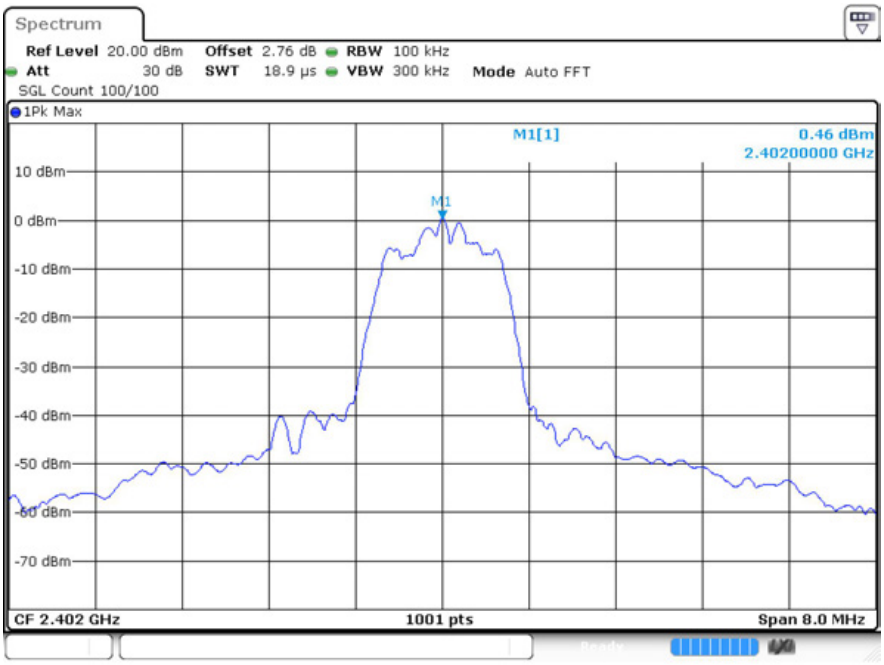
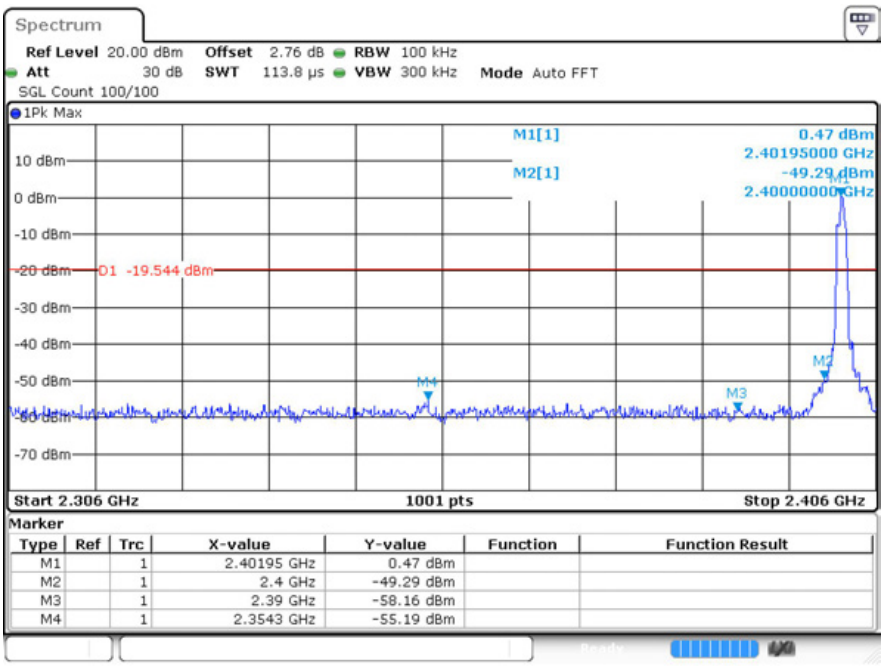
Ref.	
GFSK/HCH/Hop	

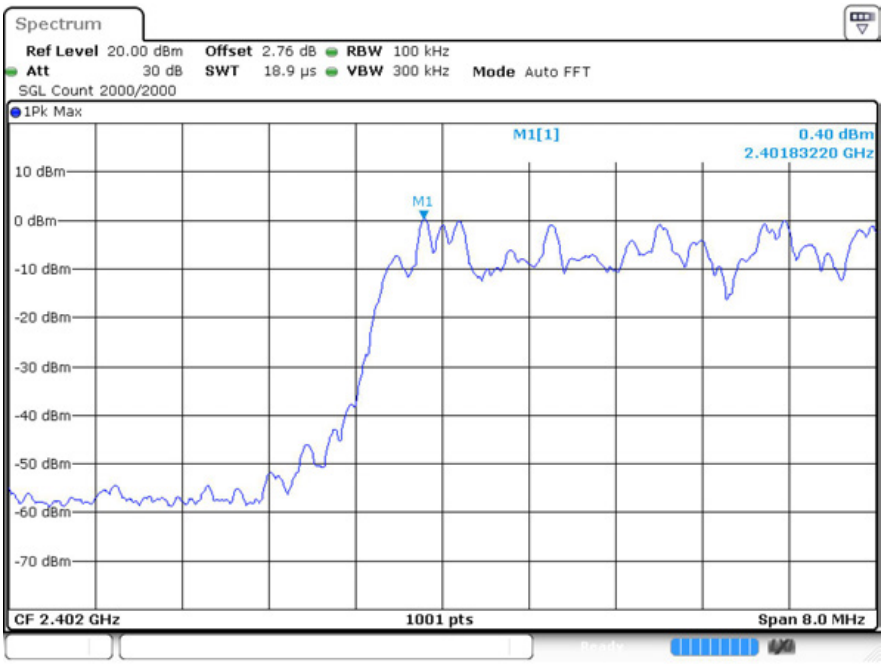
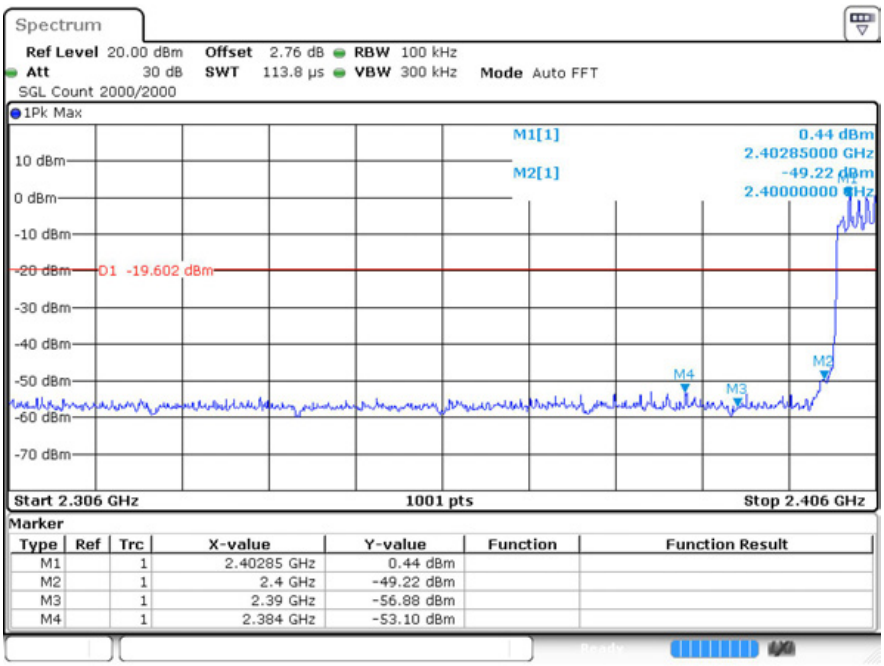
Ref	
π/4DQPSK/LCH/No Hop	

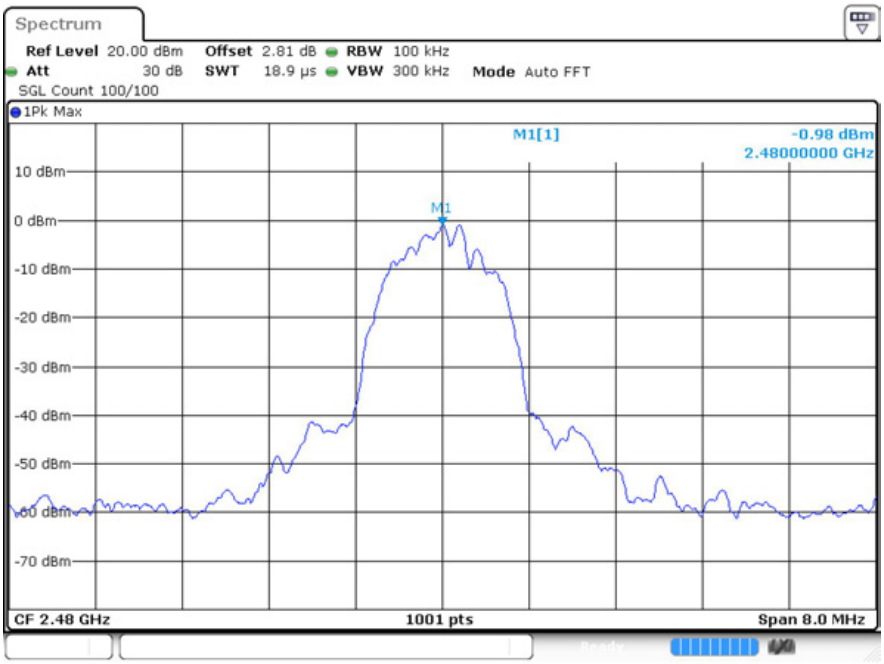
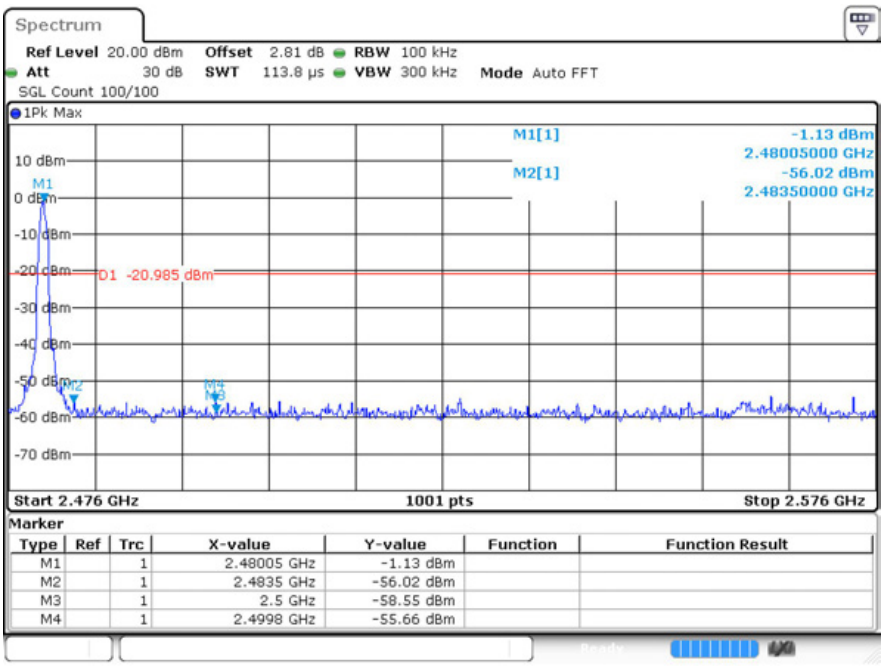
Ref	
π/4DQPSK/LCH/Hop	

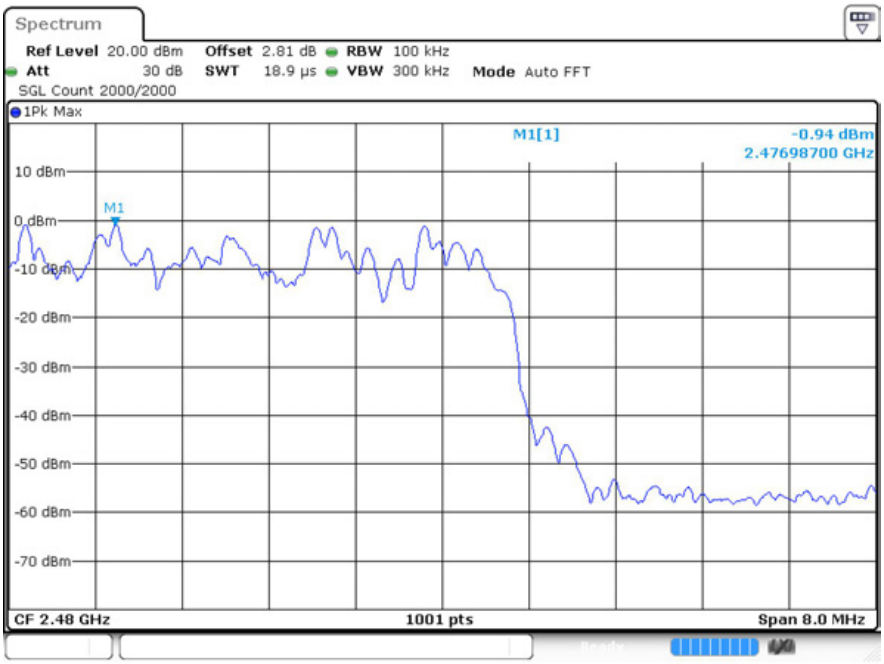
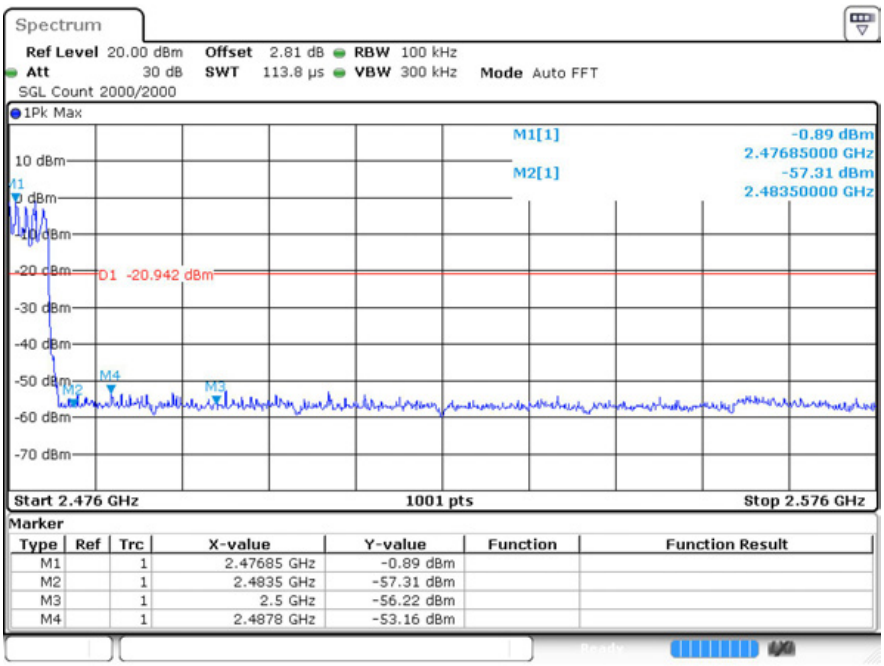
Ref	
π/4DQPSK/HCH/No Hop	

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

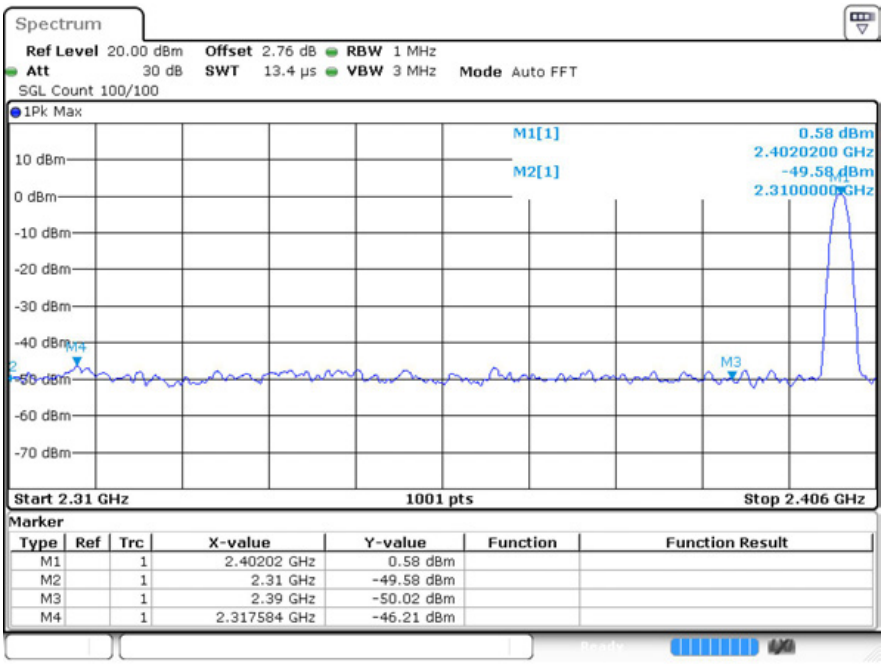
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.58	2	-	47.68	PEAK	74	Pass
	Off	2310.0	-56.89	2	4.95	45.32	AV	54	Pass
	Off	2317.584	-46.21	2	-	51.05	PEAK	74	Pass
	Off	2339.184	-53.87	2	4.95	48.34	AV	54	Pass
	Off	2390.0	-50.02	2	-	47.24	PEAK	74	Pass
	Off	2390.0	-57.47	2	4.95	44.74	AV	54	Pass
	Off	2483.5	-47.23	2	-	50.03	PEAK	74	Pass
	Off	2483.5	-56.41	2	5.06	45.91	AV	54	Pass
	Off	2499.88	-46.1	2	-	51.16	PEAK	74	Pass
	Off	2494.744	-55.25	2	5.06	47.07	AV	54	Pass
	Off	2500.0	-46.16	2	-	51.1	PEAK	74	Pass
	Off	2500.0	-55.69	2	5.06	46.63	AV	54	Pass
π/4DQPSK	Off	2310.0	-50.87	2	-	46.39	PEAK	74	Pass
	Off	2310.0	-56.56	2	4.87	45.57	AV	54	Pass
	Off	2360.784	-44.87	2	-	52.39	PEAK	74	Pass
	Off	2342.544	-54.06	2	4.87	48.07	AV	54	Pass
	Off	2390.0	-50.24	2	-	47.02	PEAK	74	Pass
	Off	2390.0	-56.53	2	4.87	45.6	AV	54	Pass
	Off	2483.5	-48.61	2	-	48.65	PEAK	74	Pass
	Off	2483.5	-56.02	2	4.84	46.08	AV	54	Pass
	Off	2490.928	-46.81	2	-	50.45	PEAK	74	Pass
	Off	2498.296	-55.56	2	4.84	46.54	AV	54	Pass
	Off	2500.0	-47.14	2	-	50.12	PEAK	74	Pass
	Off	2500.0	-56.89	2	4.84	45.21	AV	54	Pass
8DPSK	Off	2310.0	-51.4	2	-	45.86	PEAK	74	Pass
	Off	2310.0	-56.36	2	4.94	45.84	AV	54	Pass
	Off	2369.52	-46.13	2	-	51.13	PEAK	74	Pass
	Off	2339.184	-53.98	2	4.94	48.22	AV	54	Pass

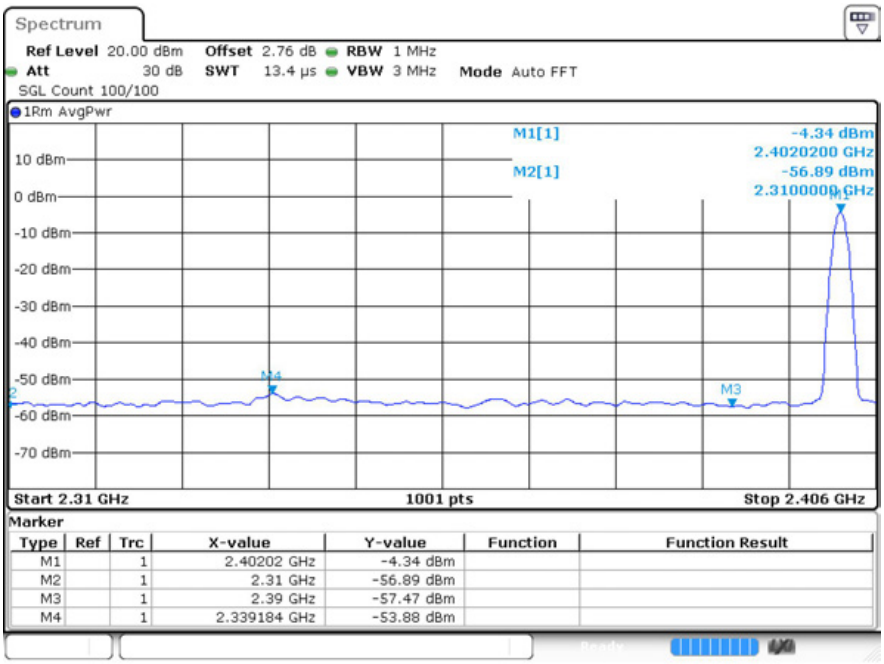
	Off	2390.0	-50	2	-	47.26	PEAK	74	Pass
	Off	2390.0	-56.4	2	4.94	45.8	AV	54	Pass
	Off	2483.5	-50.64	2	-	46.62	PEAK	74	Pass
	Off	2483.5	-55.61	2	4.93	46.58	AV	54	Pass
	Off	2497.96	-46.94	2	-	50.32	PEAK	74	Pass
	Off	2483.872	-55.42	2	4.93	46.77	AV	54	Pass
	Off	2500.0	-49.47	2	-	47.79	PEAK	74	Pass
	Off	2500.0	-56.47	2	4.93	45.72	AV	54	Pass

9.2 Test Graphs

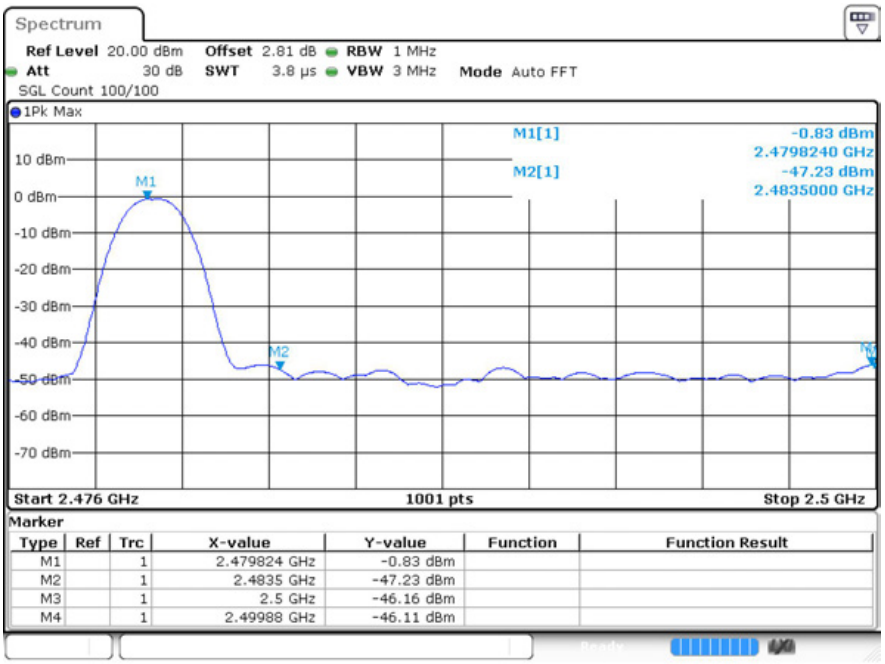
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



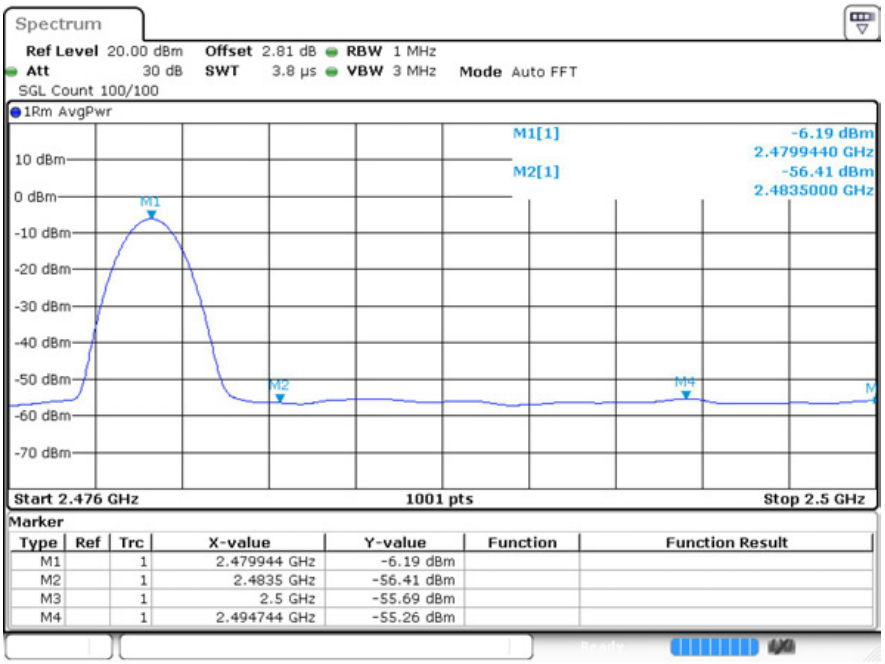
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



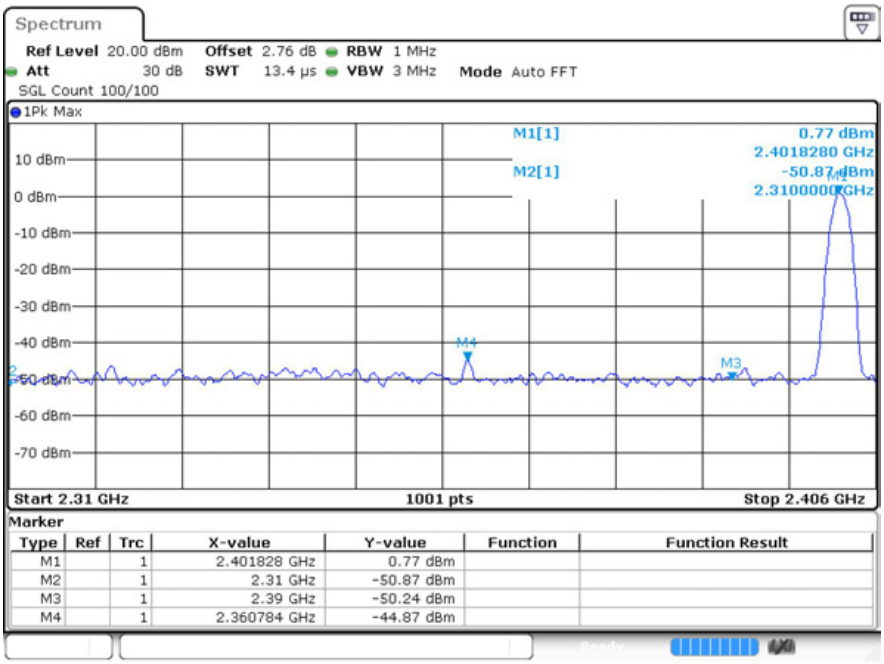
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



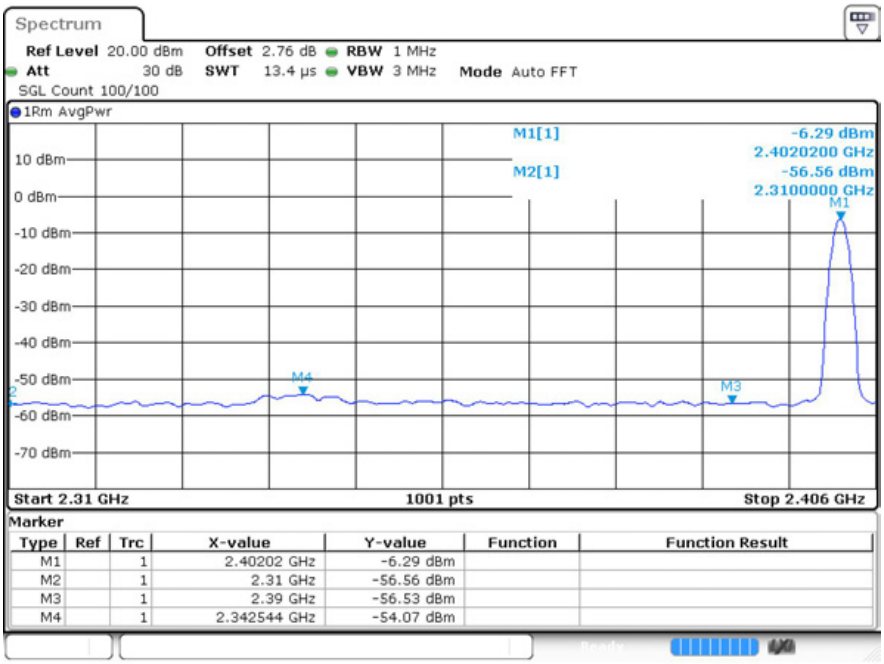
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



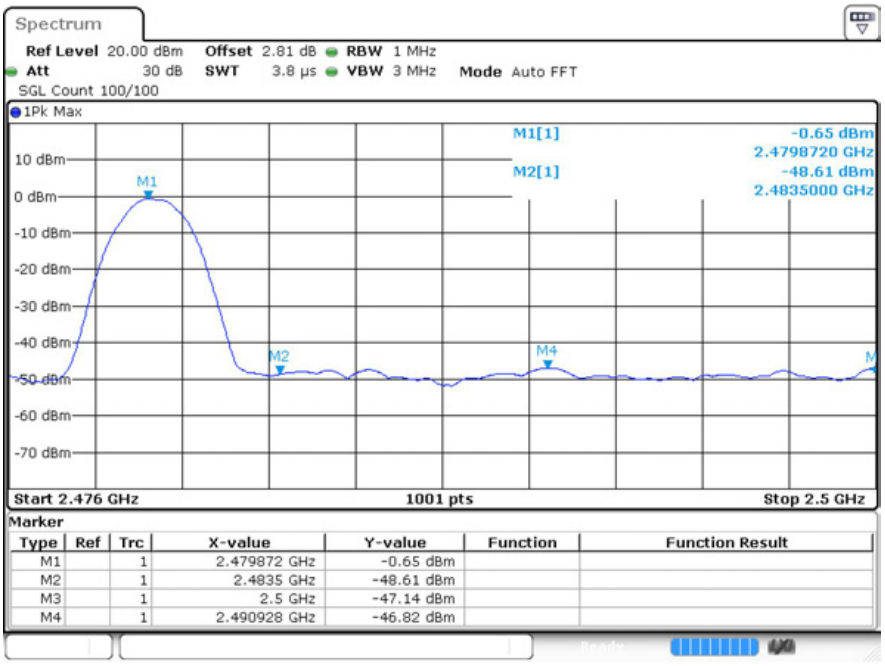
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



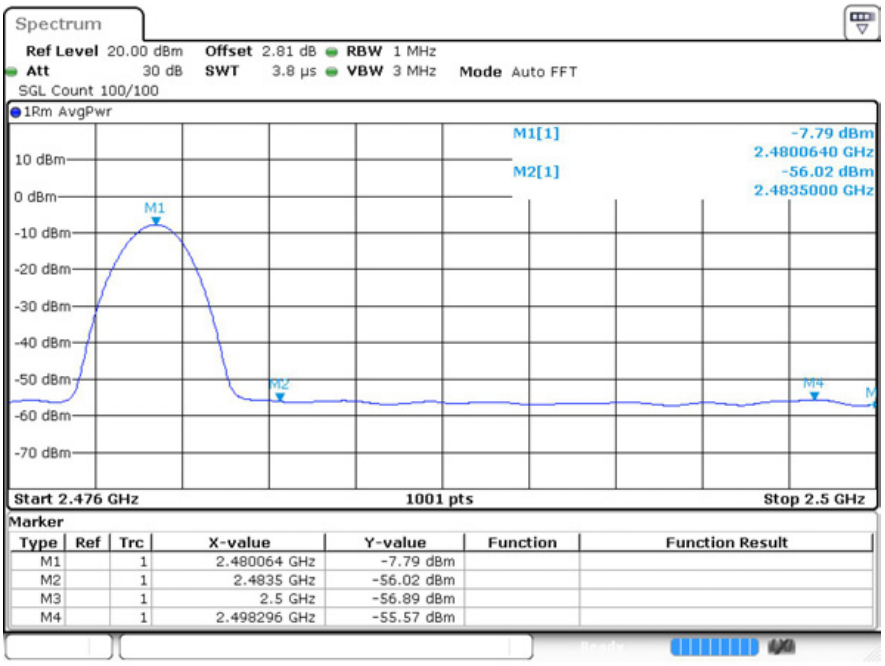
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



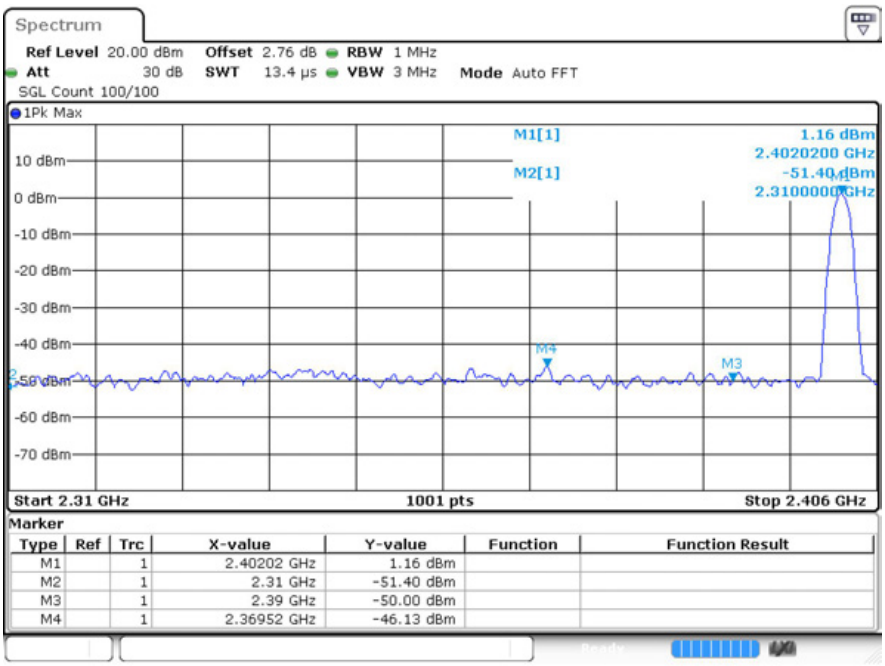
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



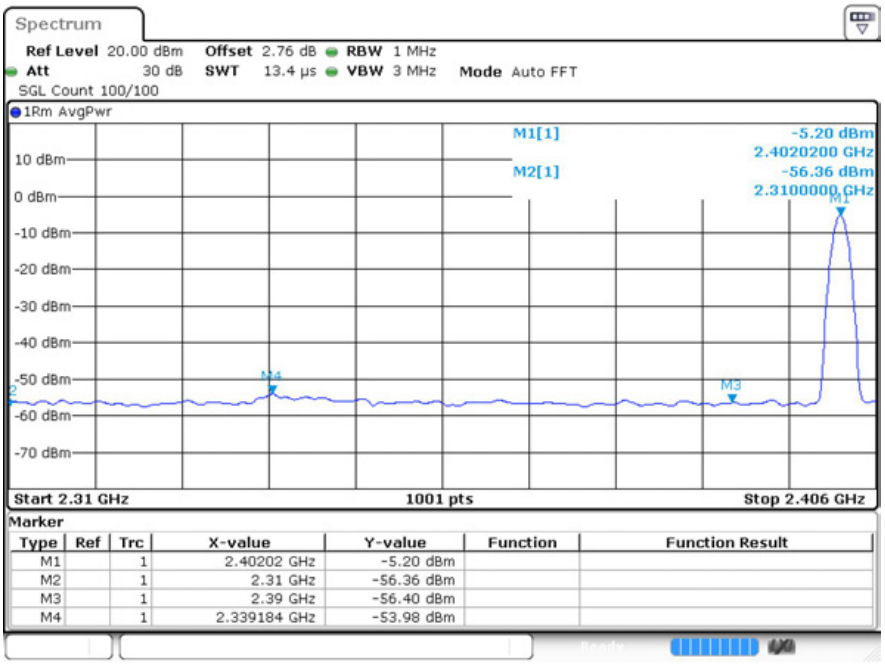
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



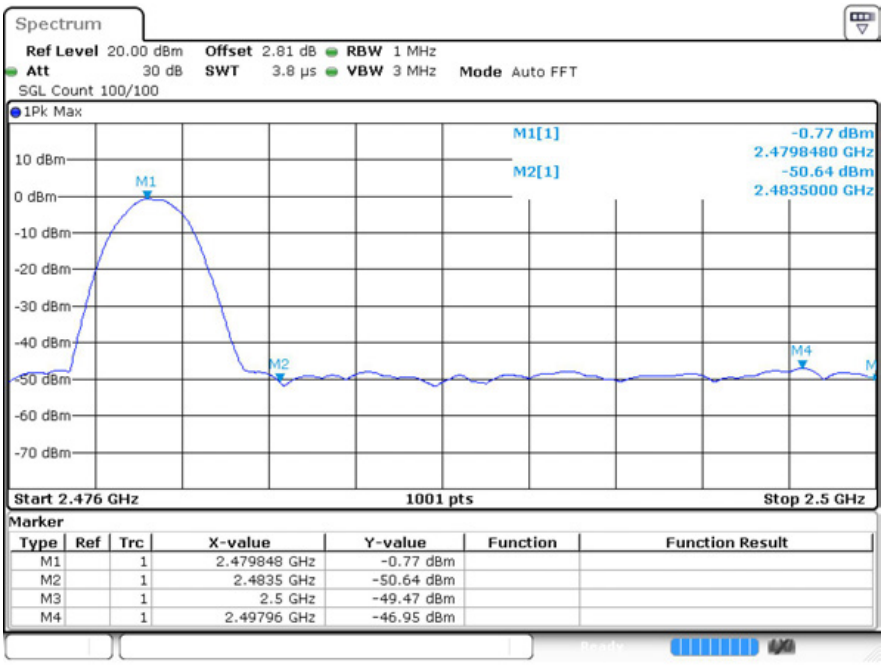
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



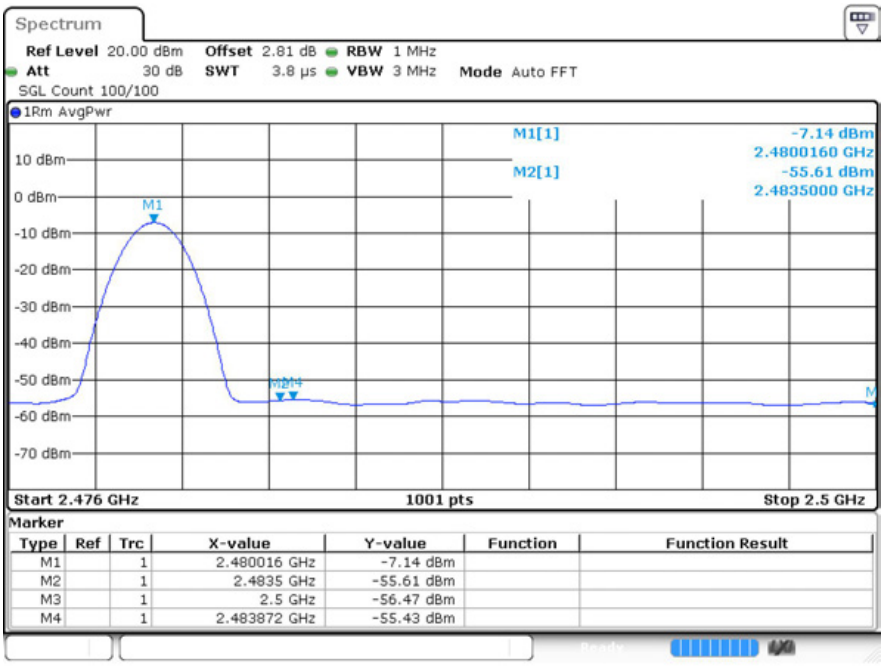
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---