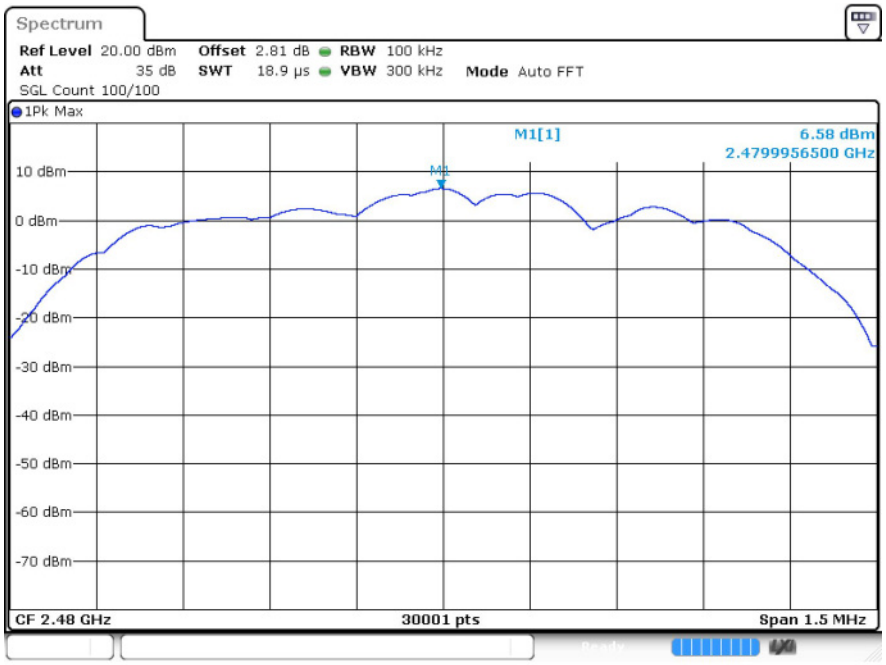
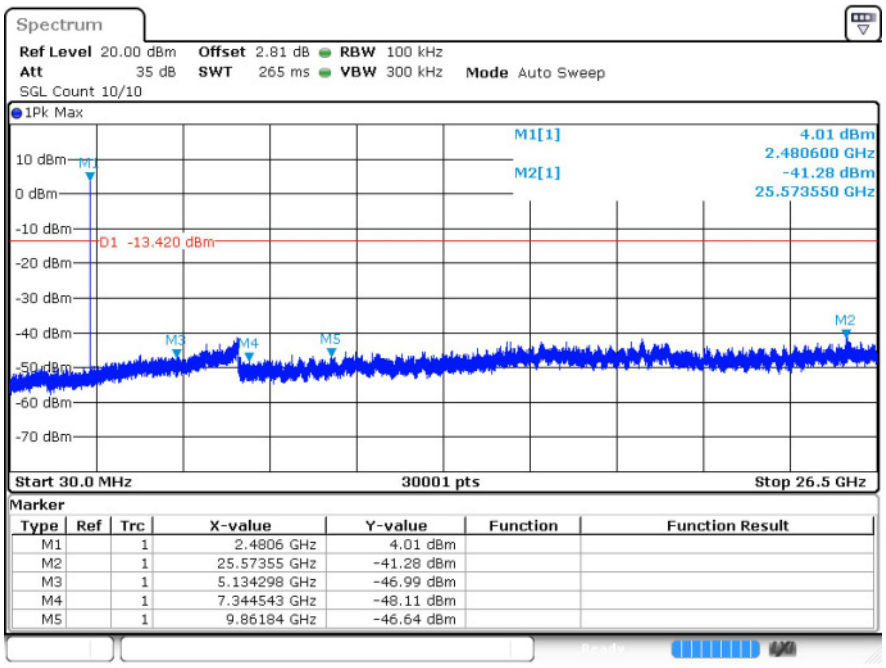
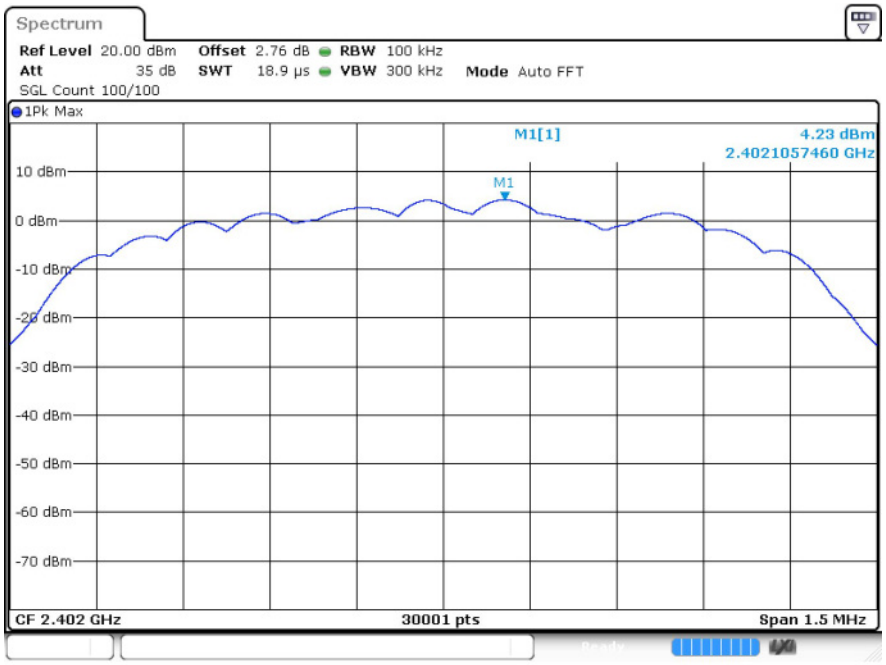
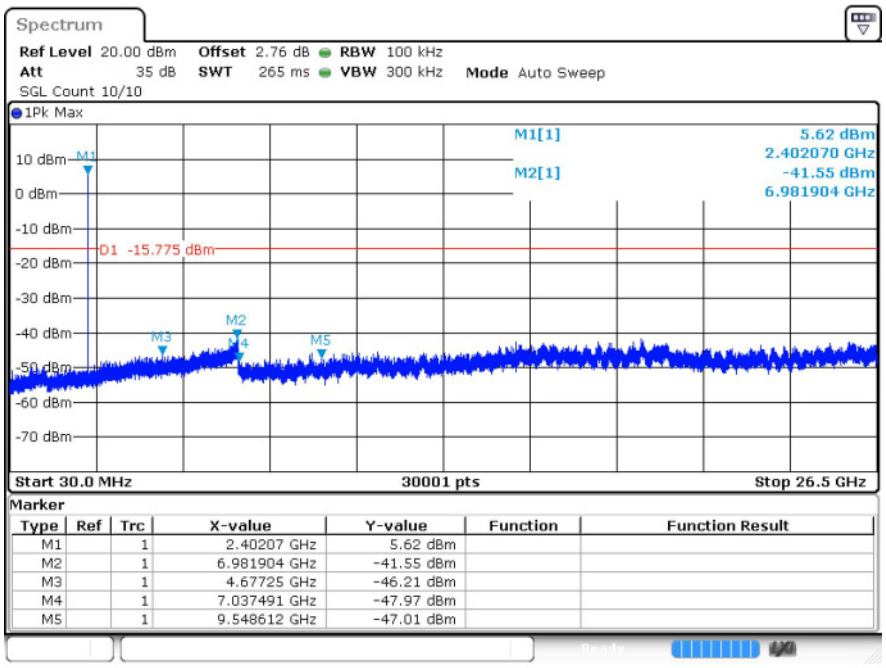
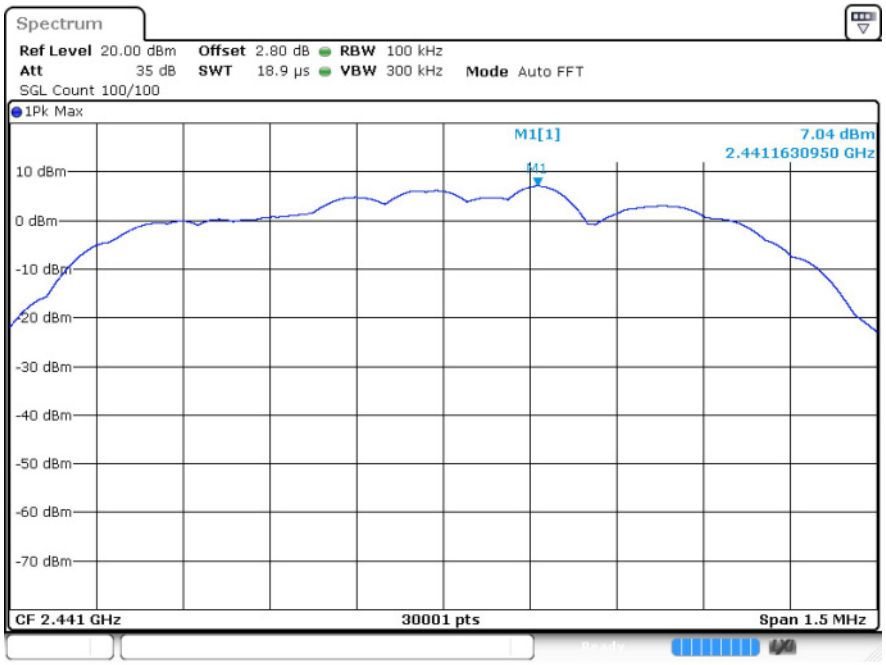
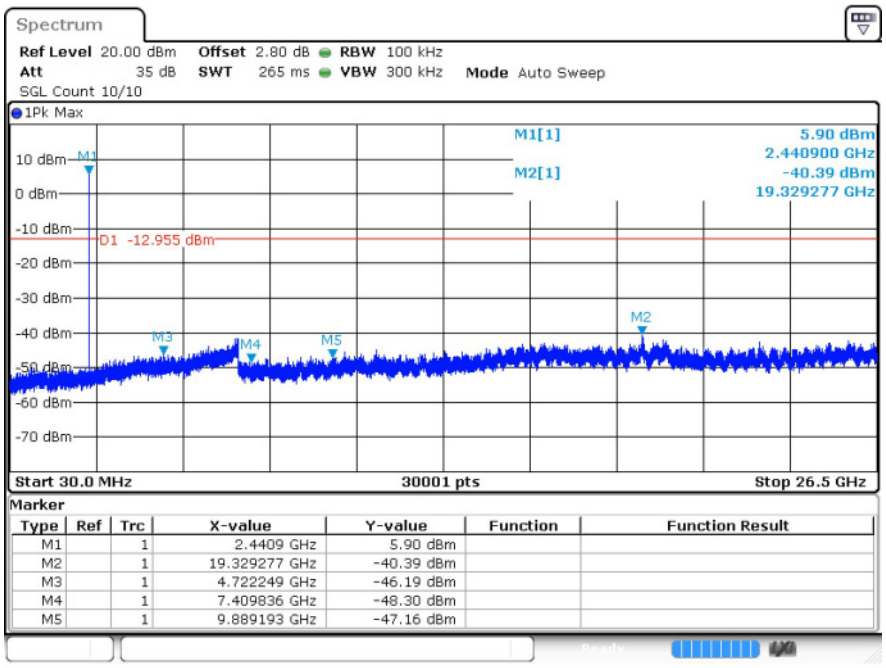
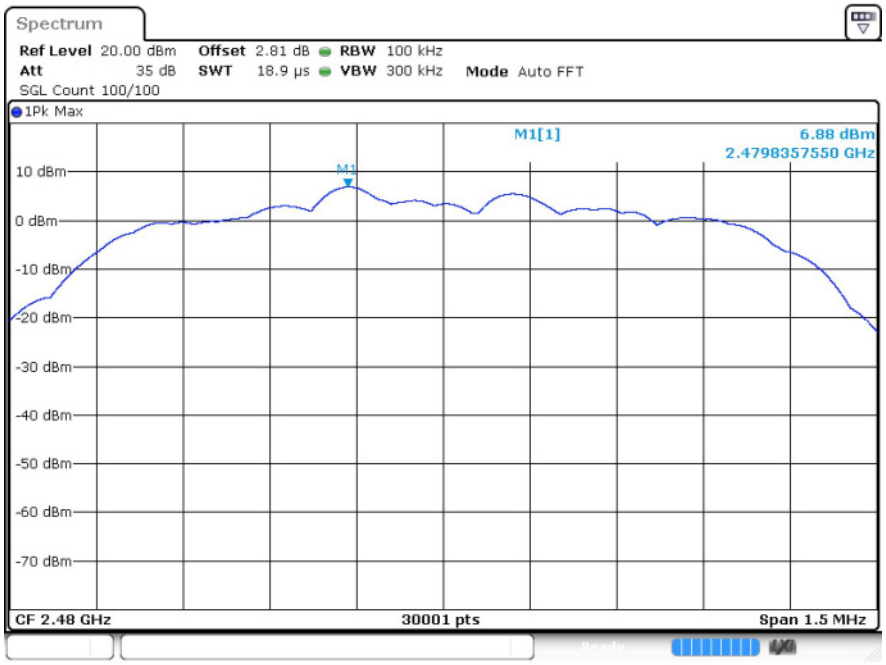
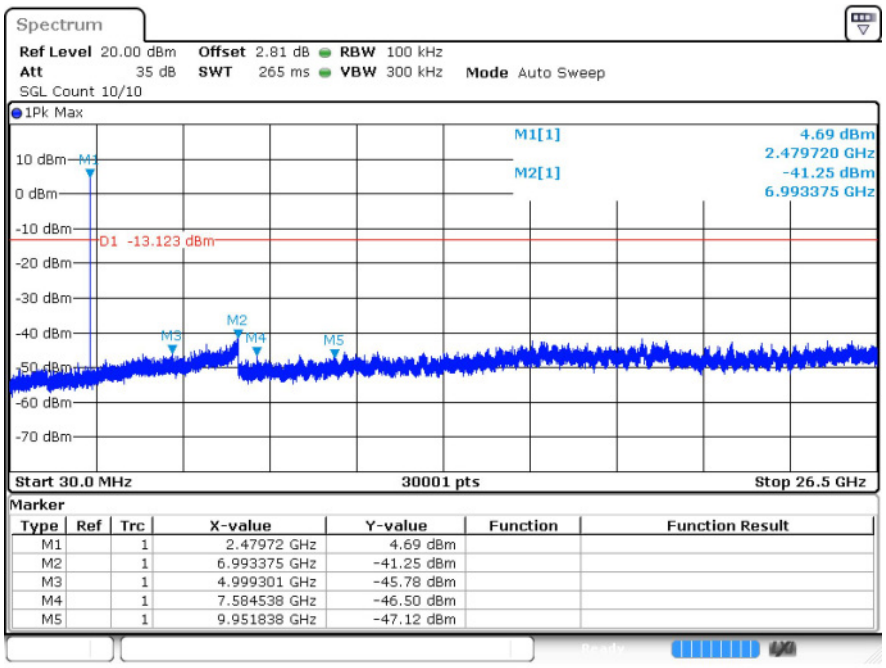
π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

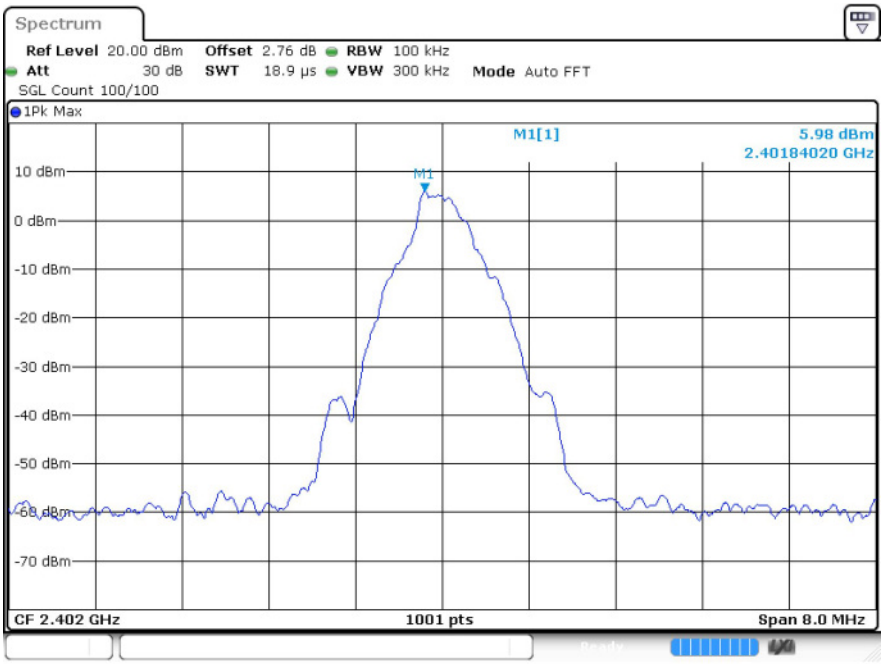
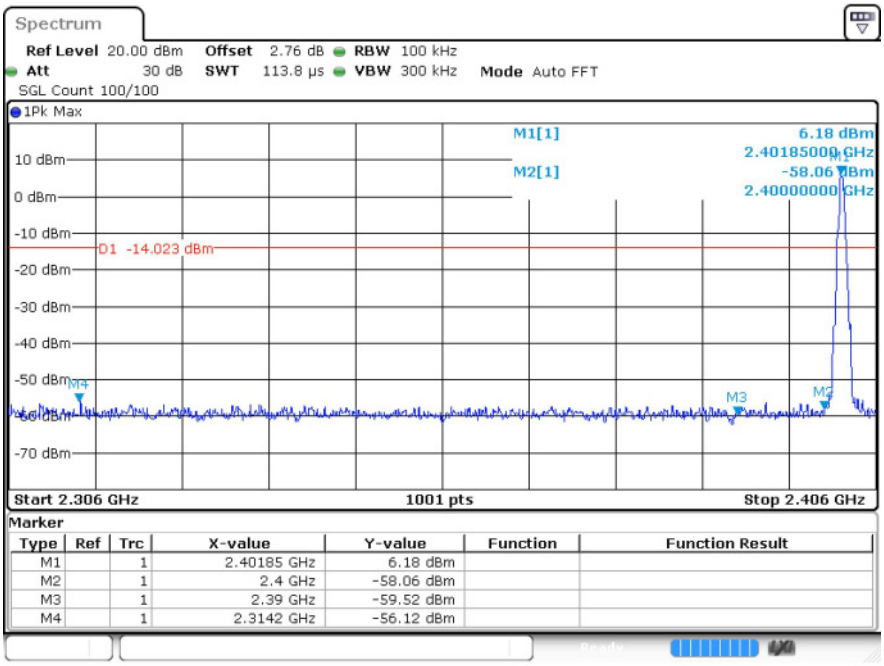
8DPSK_HCH_Graphs	
Pref	
Puw	

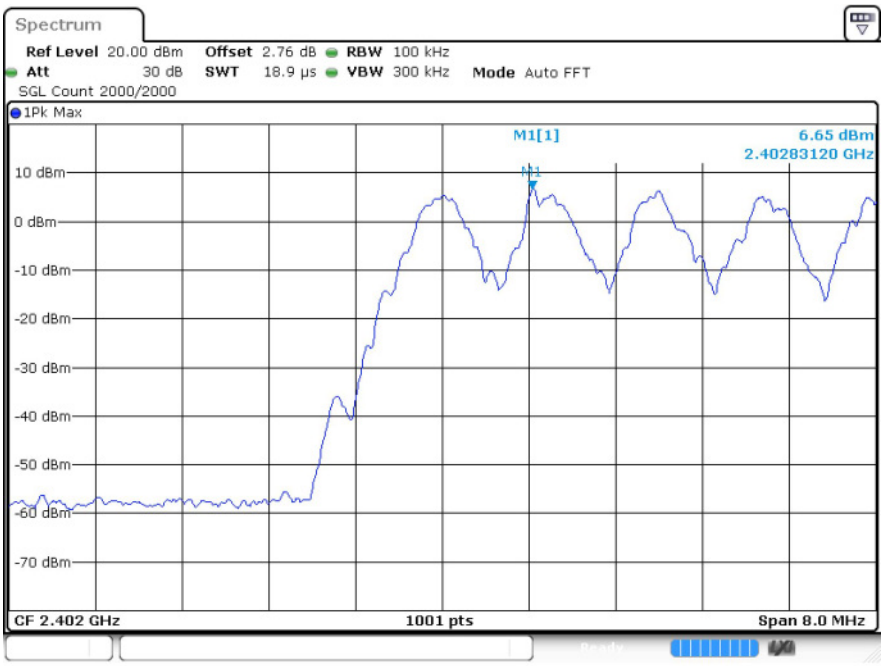
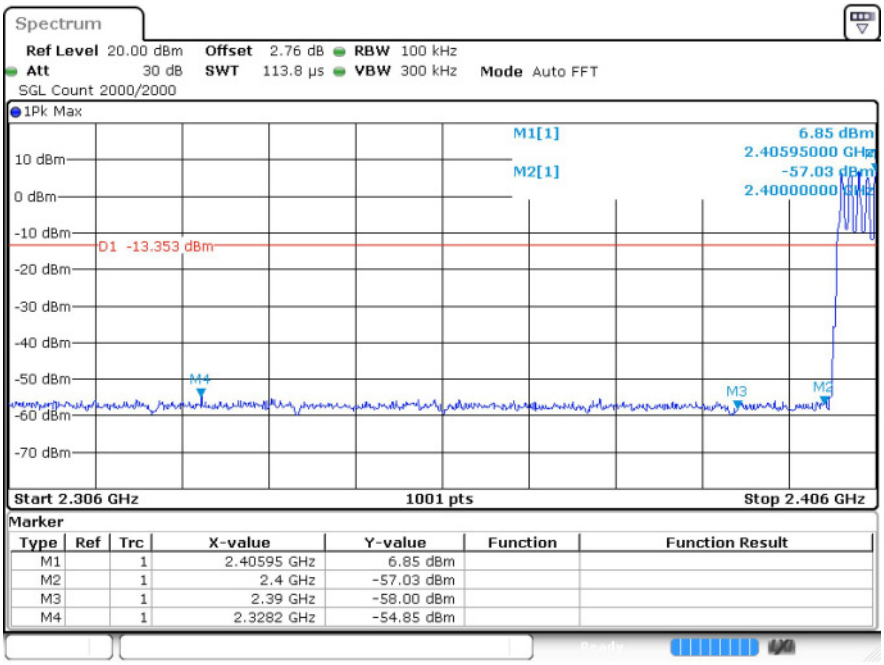
8 Band-edge for RF Conducted Emissions

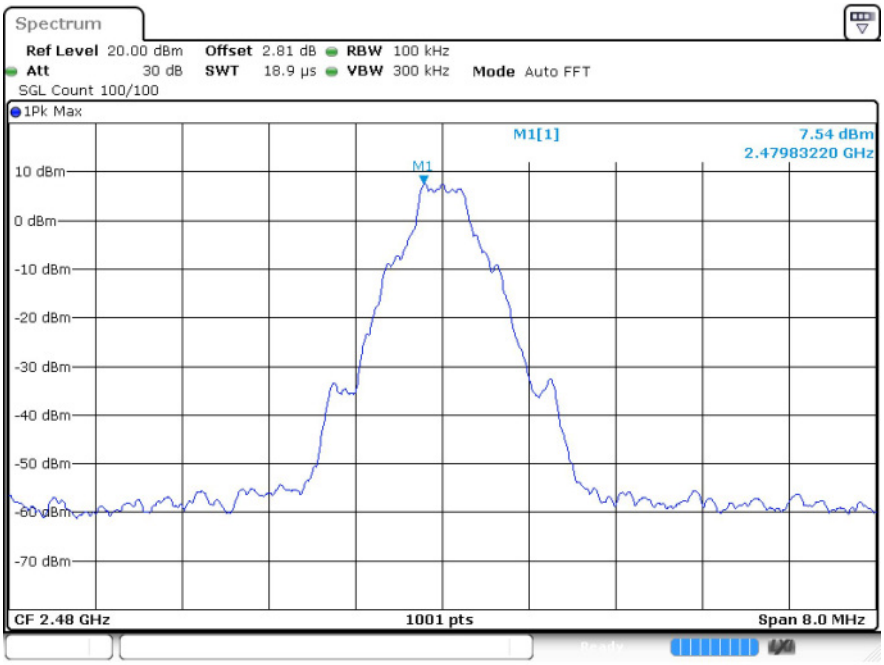
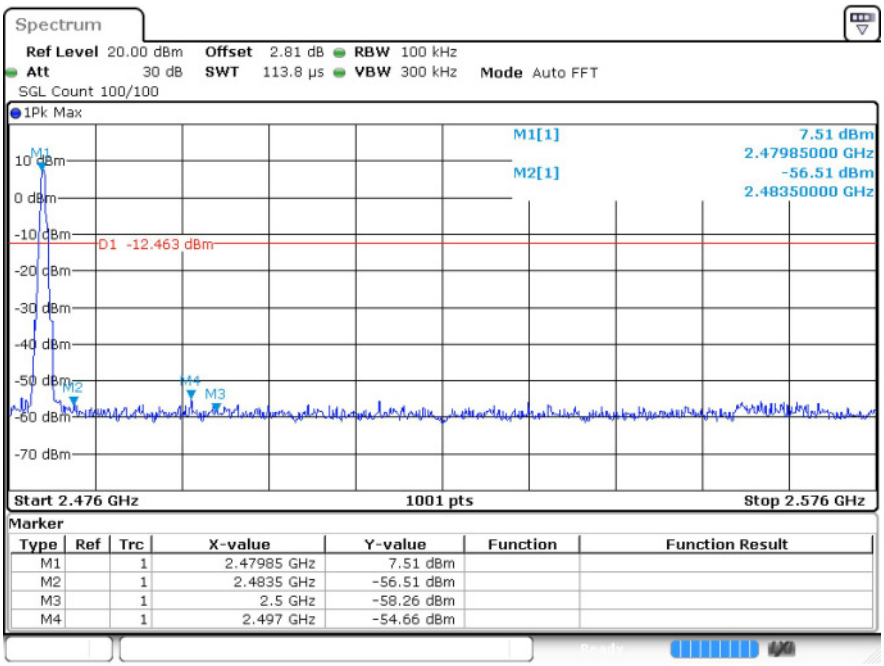
8.1 Test Result

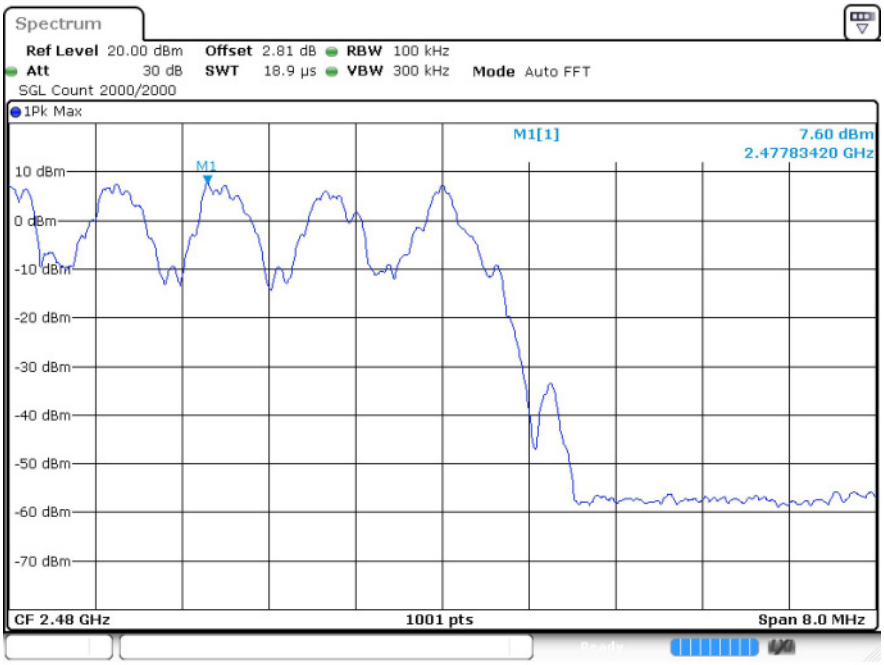
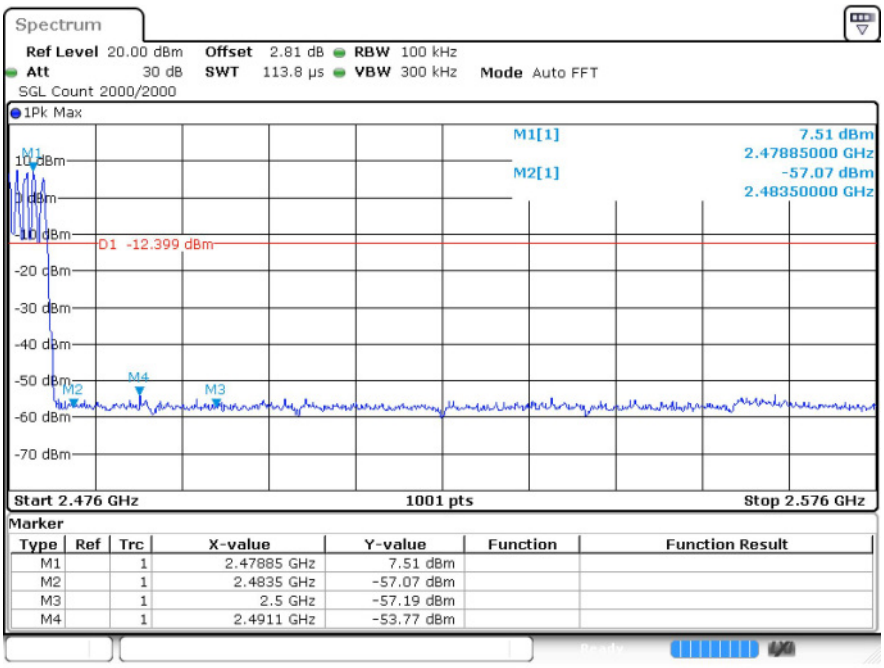
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-62.1	-20	Pass
			On	-61.49	-20	Pass
	HCH	2480	Off	-62.19	-20	Pass
			On	-61.36	-20	Pass
π/4DQPSK	LCH	2402	Off	-59.38	-20	Pass
			On	-60.53	-20	Pass
	HCH	2480	Off	-62.08	-20	Pass
			On	-61.02	-20	Pass
8DPSK	LCH	2402	Off	-61.71	-20	Pass
			On	-55.56	-20	Pass
	HCH	2480	Off	-62.06	-20	Pass
			On	-61.16	-20	Pass

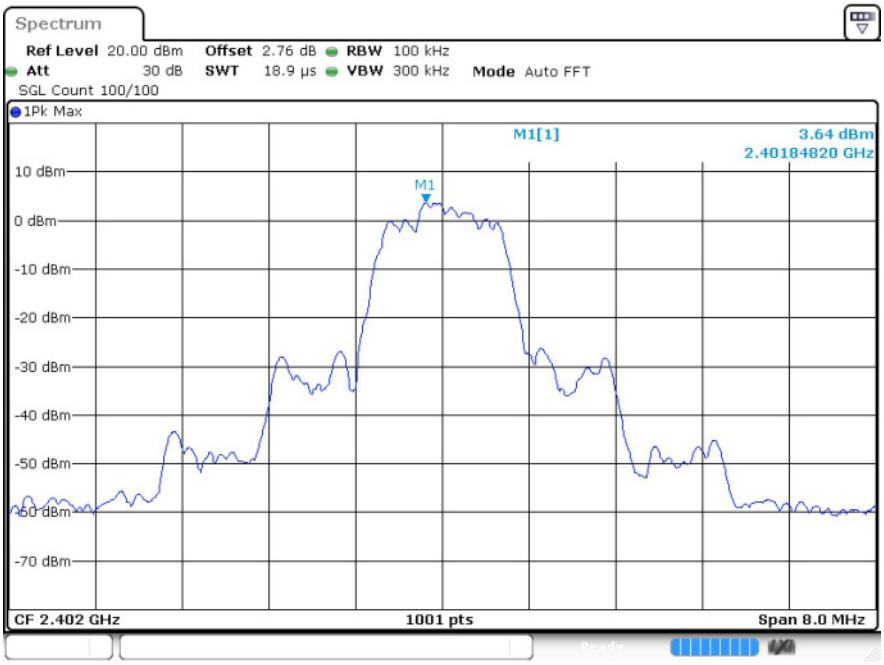
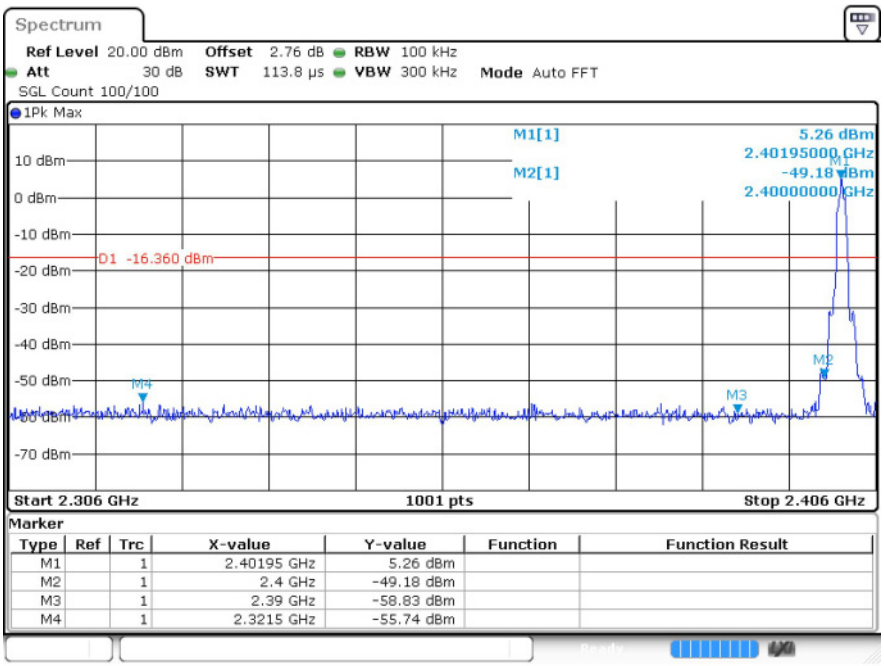
8.2 Test Graphs

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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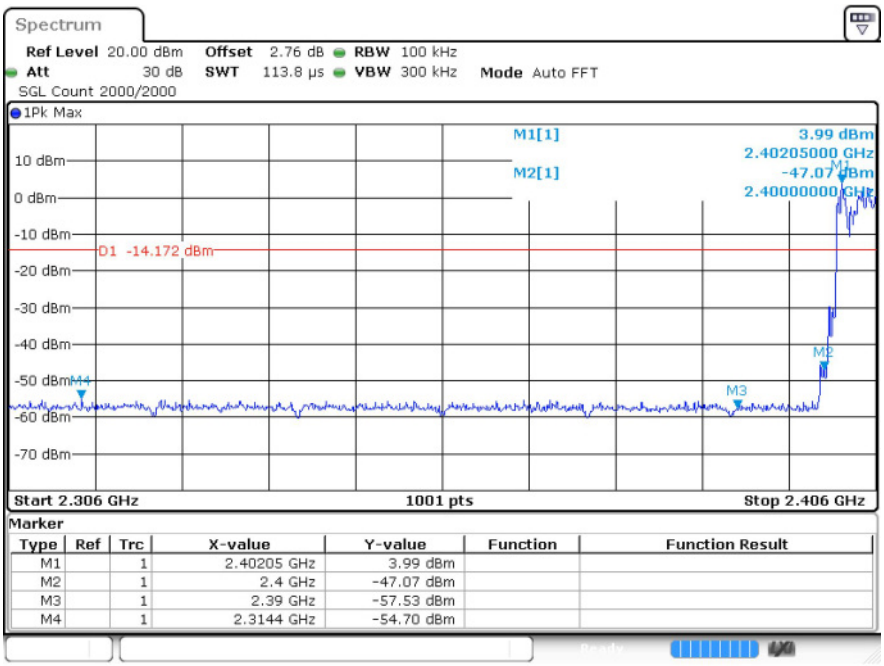
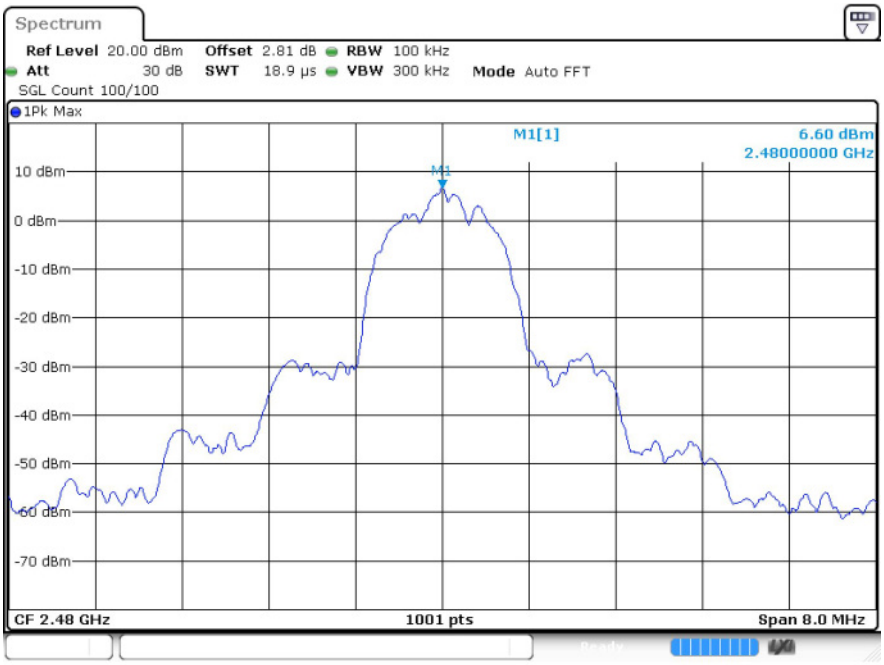
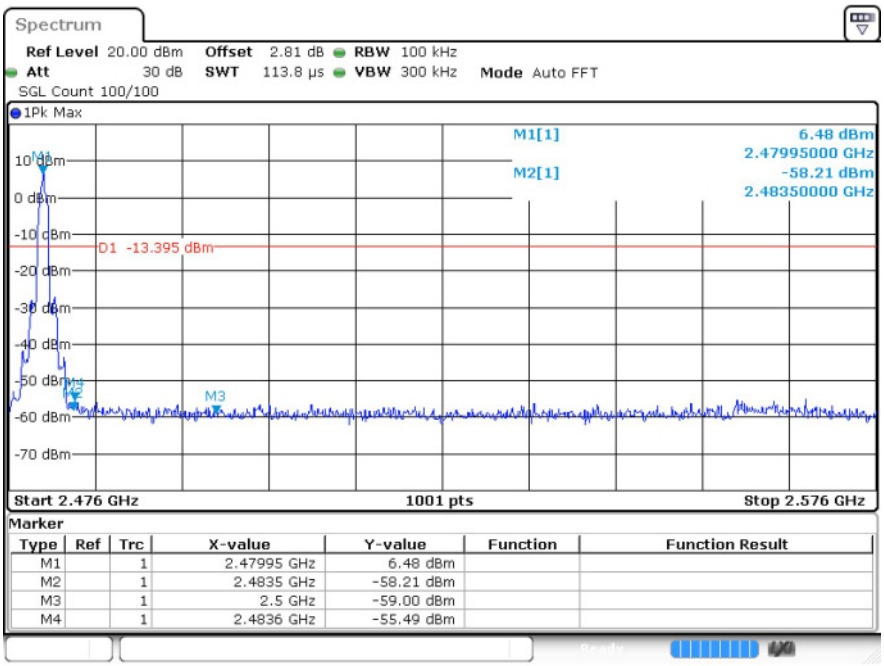
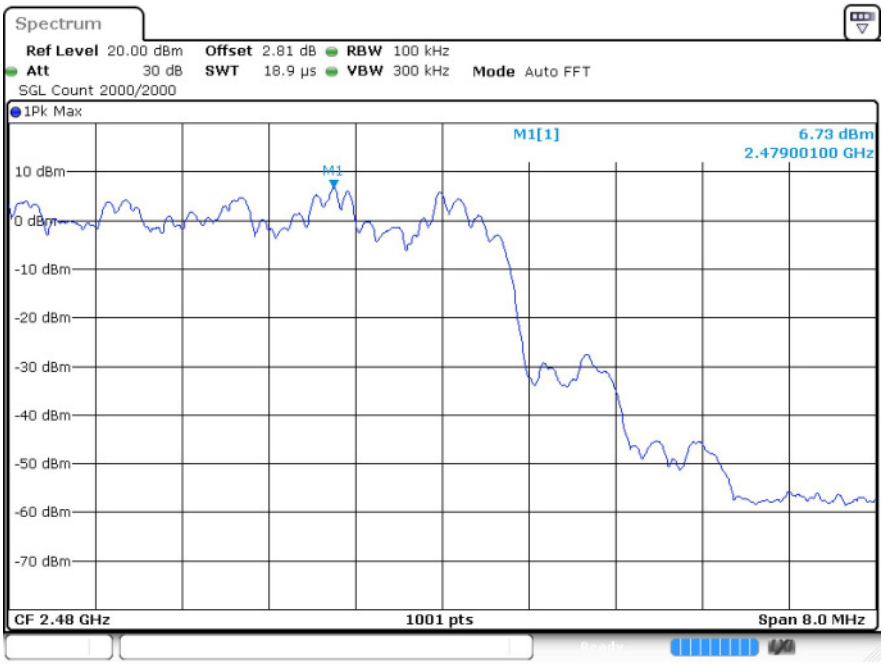
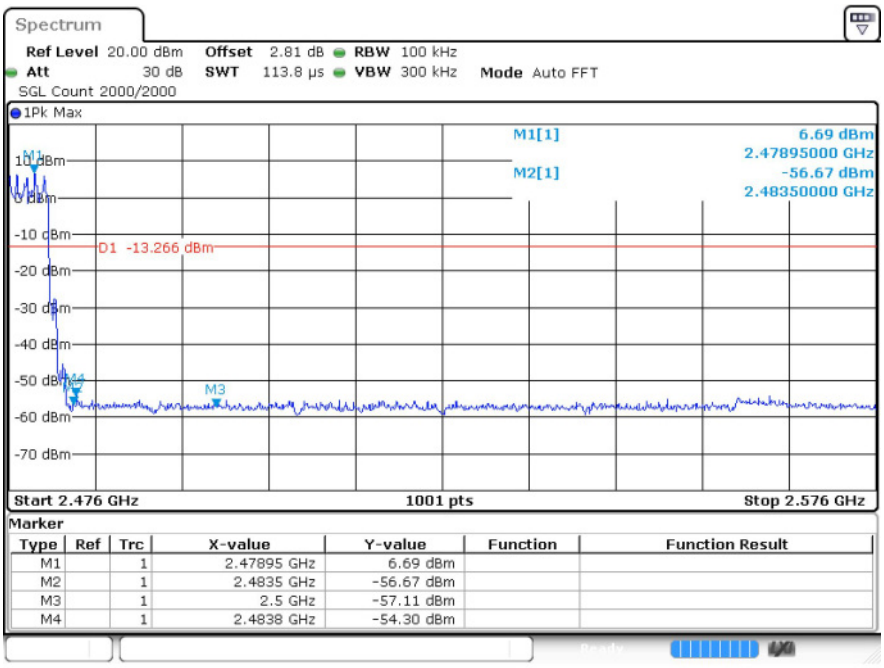
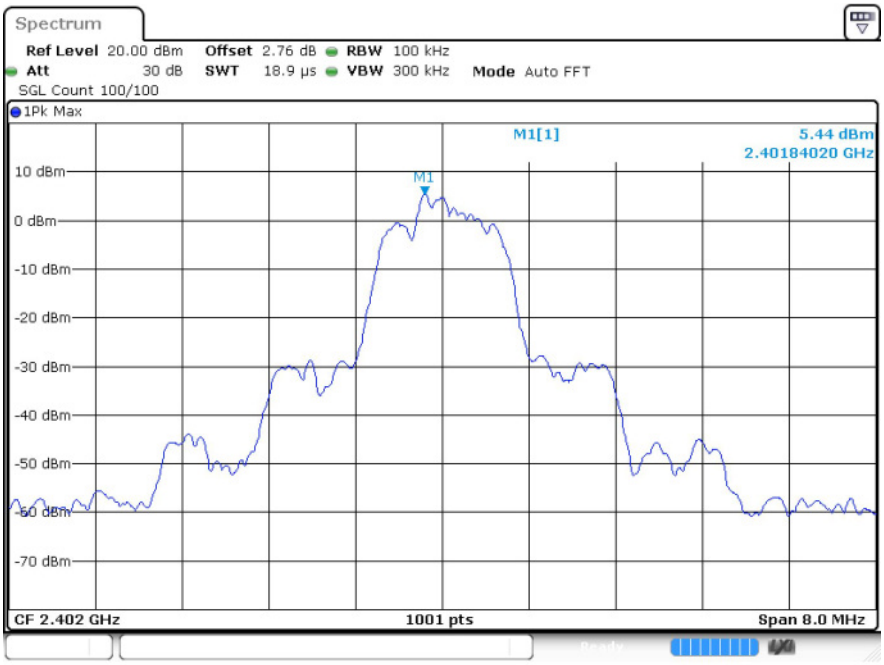
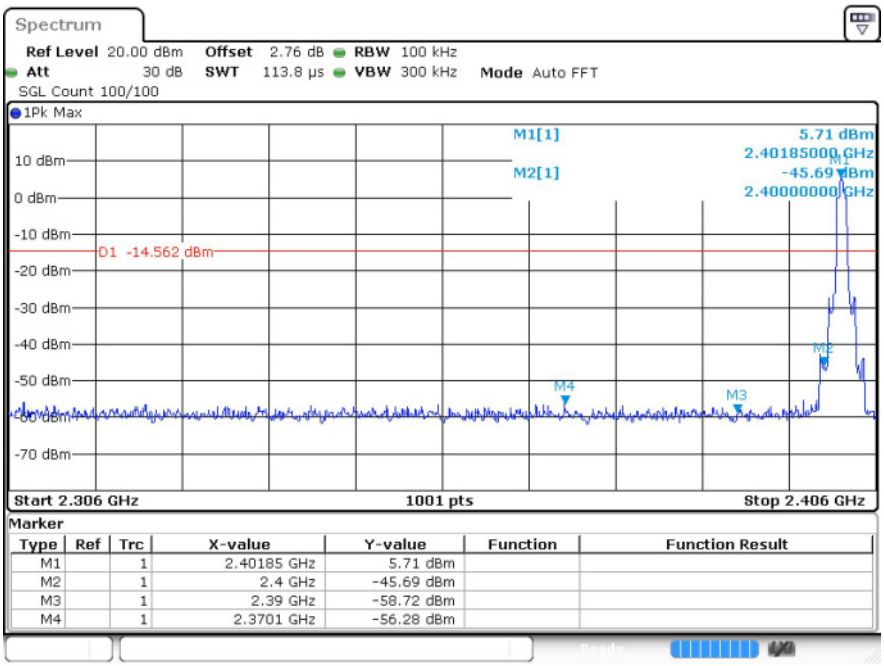
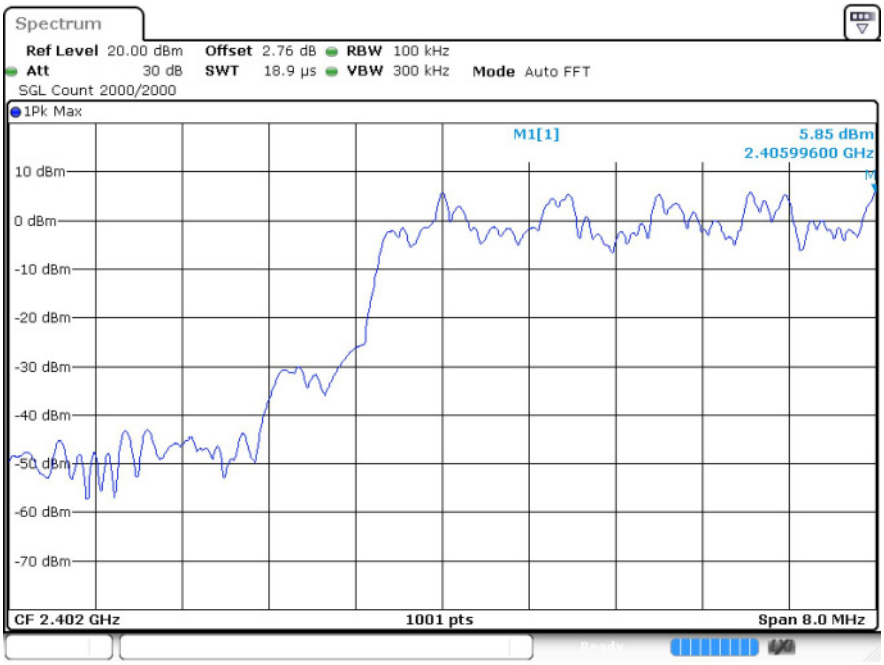
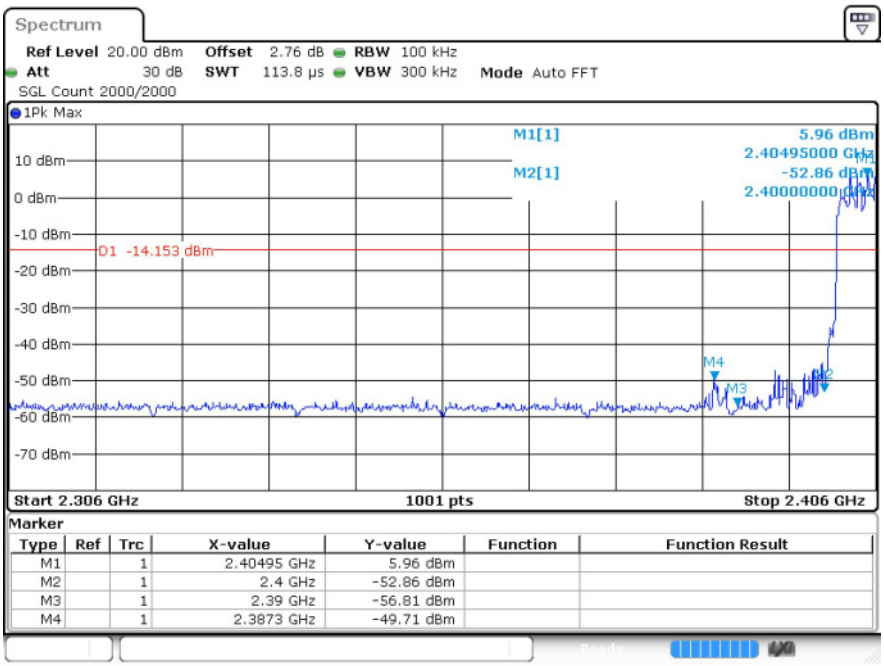
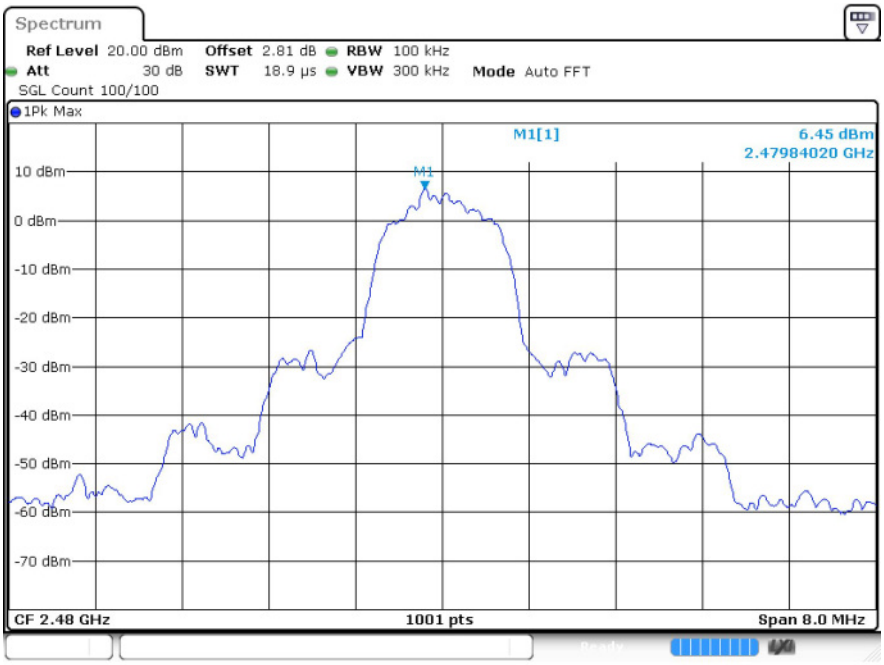
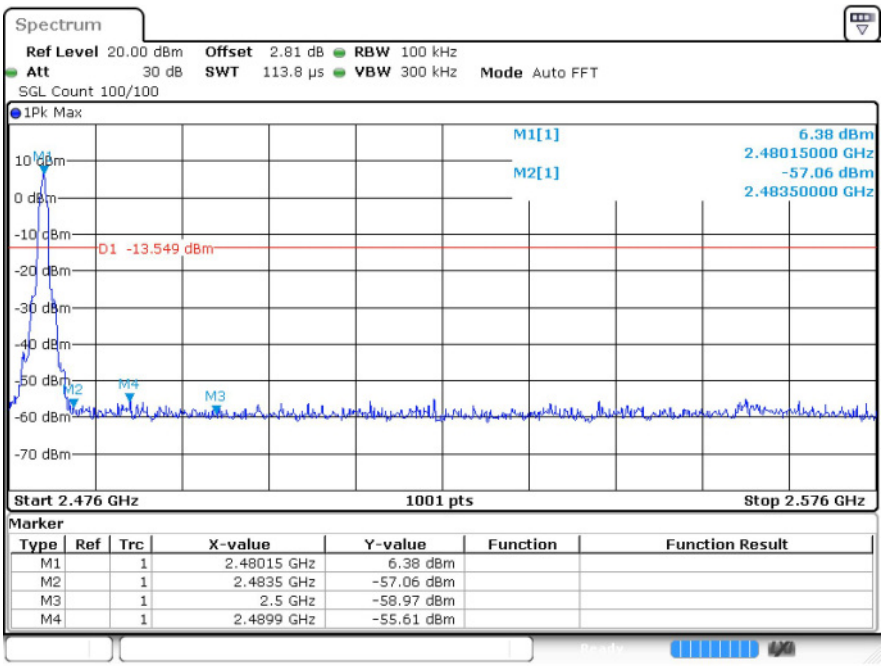
π/4DQPSK/LCH/Hop	

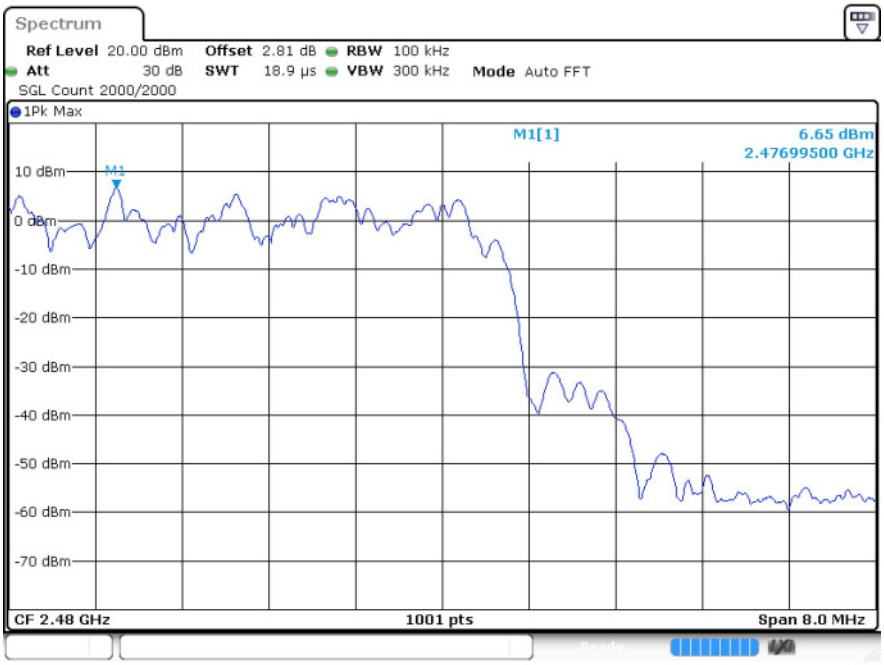
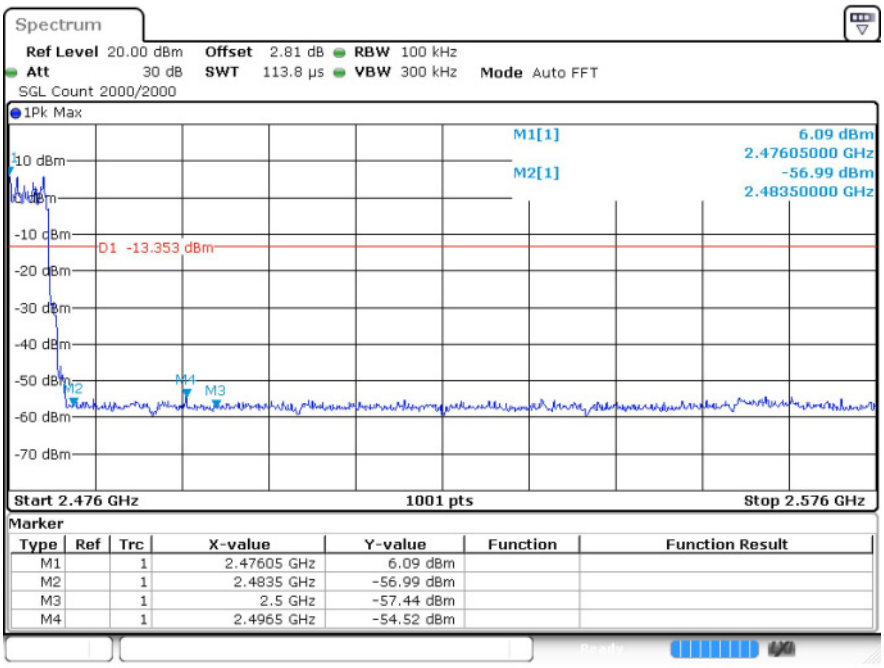
Ref	
π/4DQPSK/HCH/No Hop	

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

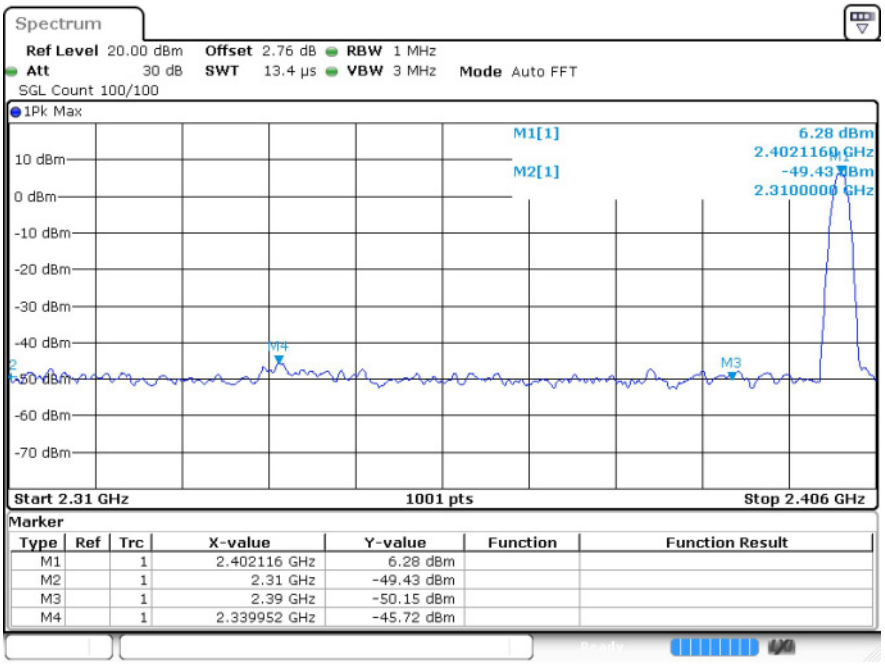
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.43	2	-	47.83	PEAK	74	Pass
	Off	2310.0	-56.27	2	4.84	45.83	AV	54	Pass
	Off	2339.952	-45.71	2	-	51.55	PEAK	74	Pass
	Off	2341.68	-54.46	2	4.84	47.64	AV	54	Pass
	Off	2390.0	-50.15	2	-	47.11	PEAK	74	Pass
	Off	2390.0	-57.38	2	4.84	44.72	AV	54	Pass
	Off	2483.5	-44.78	2	-	52.48	PEAK	74	Pass
	Off	2483.5	-55.27	2	4.84	46.83	AV	54	Pass
	Off	2483.512	-44.85	2	-	52.41	PEAK	74	Pass
	Off	2483.512	-55.28	2	4.84	46.82	AV	54	Pass
	Off	2500.0	-50.87	2	-	46.39	PEAK	74	Pass
	Off	2500.0	-56.35	2	4.84	45.75	AV	54	Pass
π/4DQPSK	Off	2310.0	-50.13	2	-	47.13	PEAK	74	Pass
	Off	2310.0	-57.29	2	4.84	44.81	AV	54	Pass
	Off	2388.72	-46.73	2	-	50.53	PEAK	74	Pass
	Off	2341.488	-54.1	2	4.84	48	AV	54	Pass
	Off	2390.0	-49.79	2	-	47.47	PEAK	74	Pass
	Off	2390.0	-56.86	2	4.84	45.24	AV	54	Pass
	Off	2483.5	-46.01	2	-	51.25	PEAK	74	Pass
	Off	2483.5	-56.07	2	4.84	46.03	AV	54	Pass
	Off	2483.512	-46.48	2	-	50.78	PEAK	74	Pass
	Off	2498.2	-55.9	2	4.84	46.2	AV	54	Pass
	Off	2500.0	-47.85	2	-	49.41	PEAK	74	Pass
	Off	2500.0	-57.17	2	4.84	44.93	AV	54	Pass
8DPSK	Off	2310.0	-49.98	2	-	47.28	PEAK	74	Pass
	Off	2310.0	-56.17	2	4.84	45.93	AV	54	Pass
	Off	2311.92	-45.54	2	-	51.72	PEAK	74	Pass
	Off	2339.664	-54.32	2	4.84	47.78	AV	54	Pass

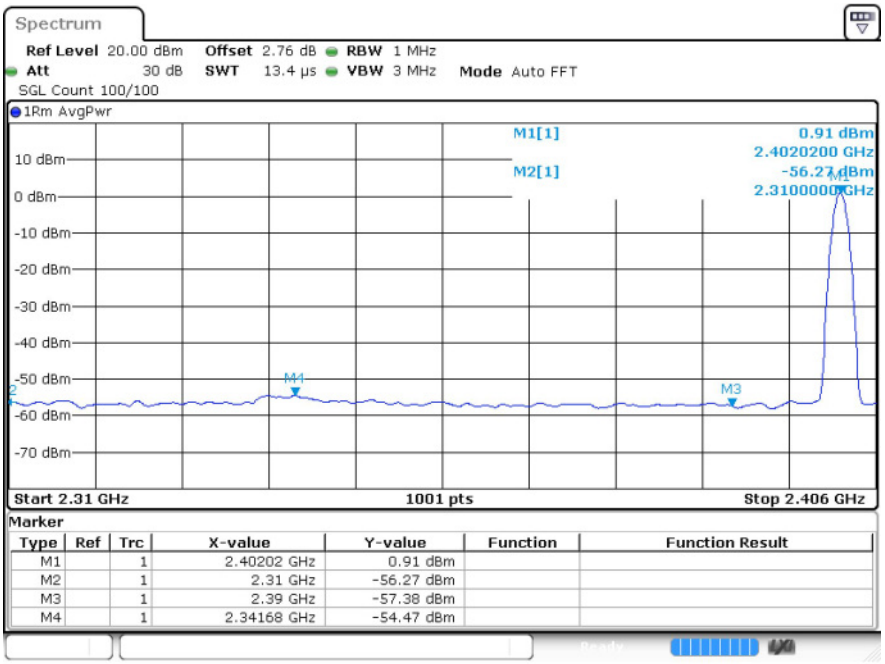
	Off	2390.0	-51.37	2	-	45.89	PEAK	74	Pass
	Off	2390.0	-56.79	2	4.84	45.31	AV	54	Pass
	Off	2483.5	-48.4	2	-	48.86	PEAK	74	Pass
	Off	2483.5	-56.02	2	4.84	46.08	AV	54	Pass
	Off	2486.488	-47.5	2	-	49.76	PEAK	74	Pass
	Off	2484.64	-55.76	2	4.84	46.34	AV	54	Pass
	Off	2500.0	-47.79	2	-	49.47	PEAK	74	Pass
	Off	2500.0	-56.68	2	4.84	45.42	AV	54	Pass

9.2 Test Graphs

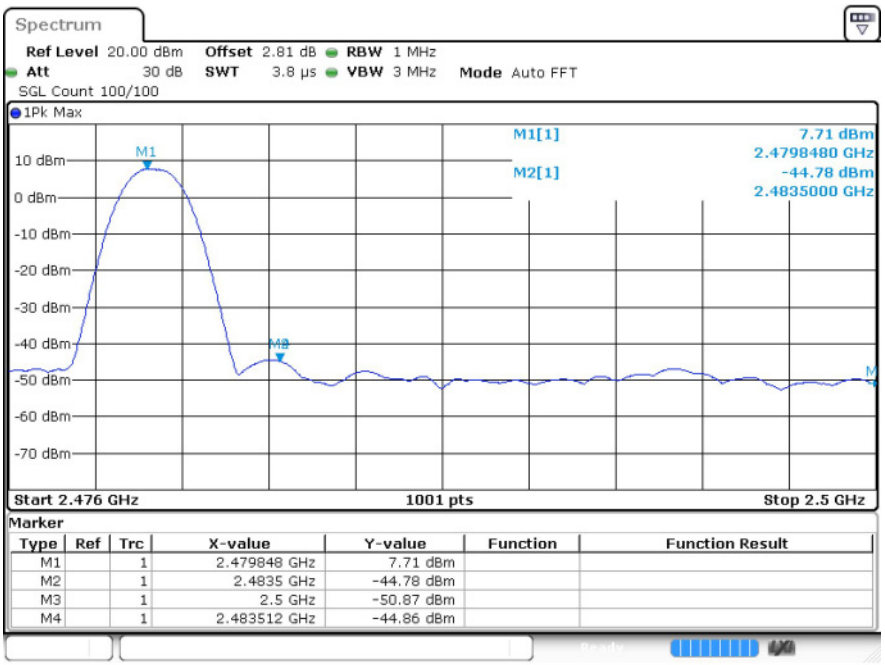
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



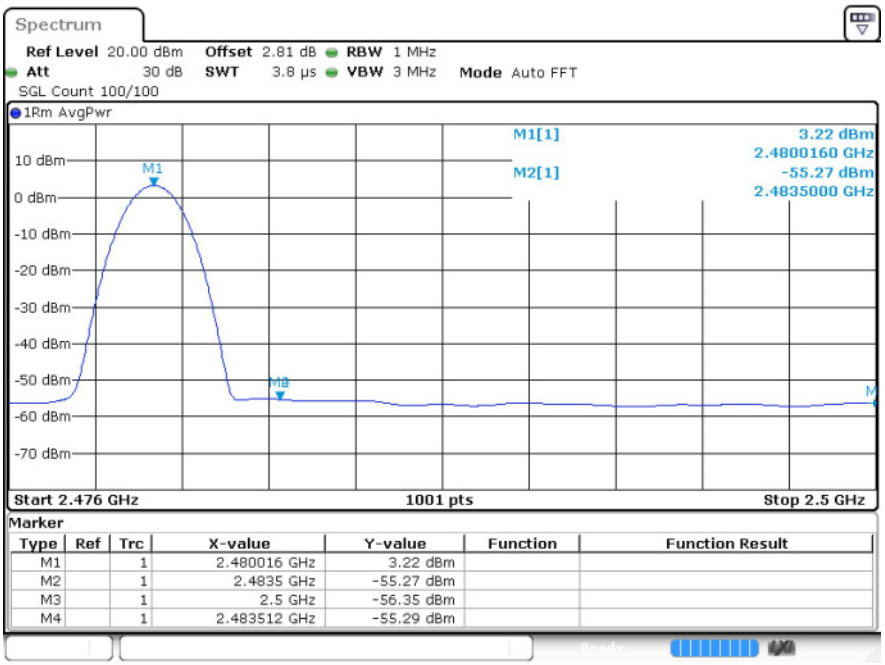
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



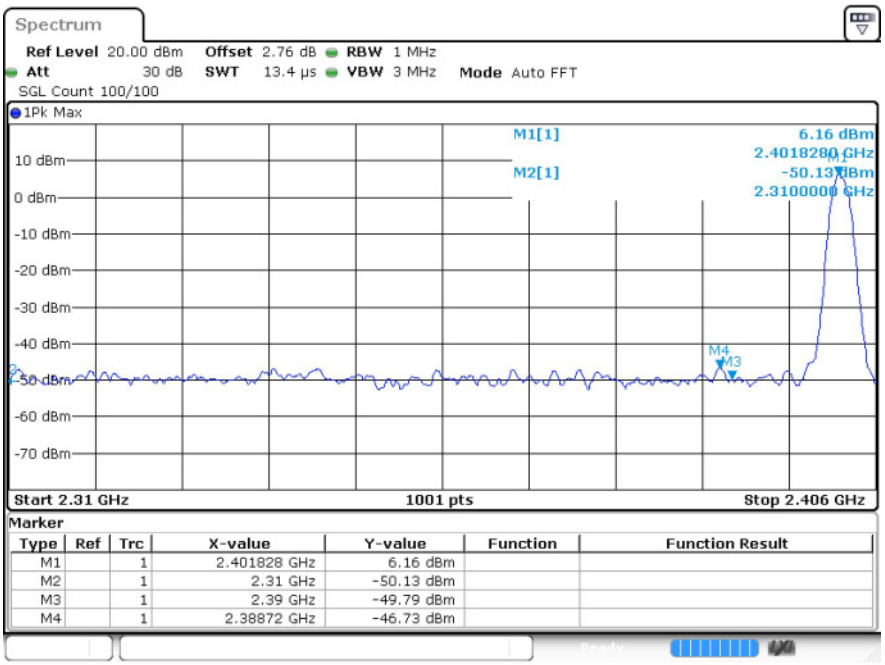
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



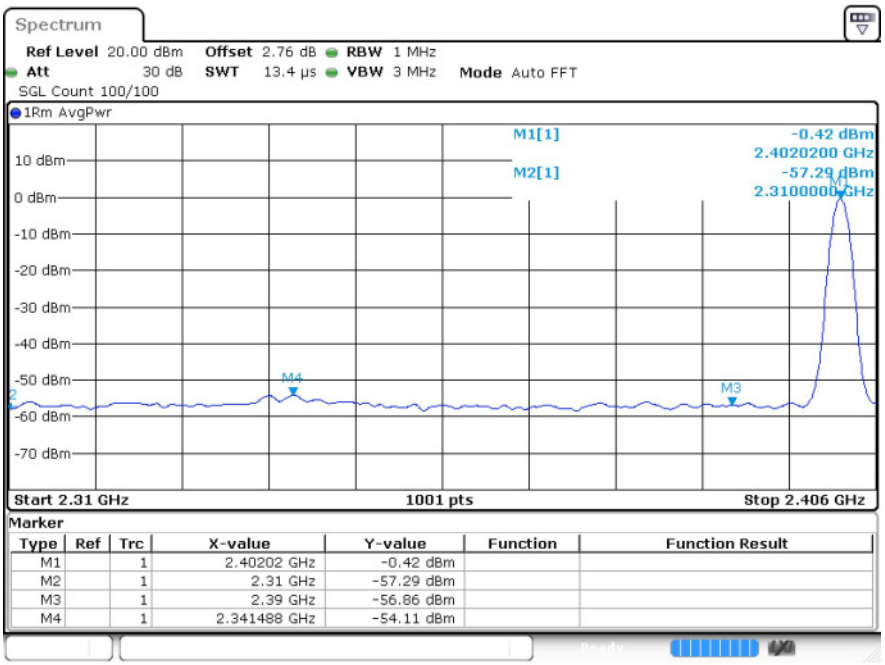
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



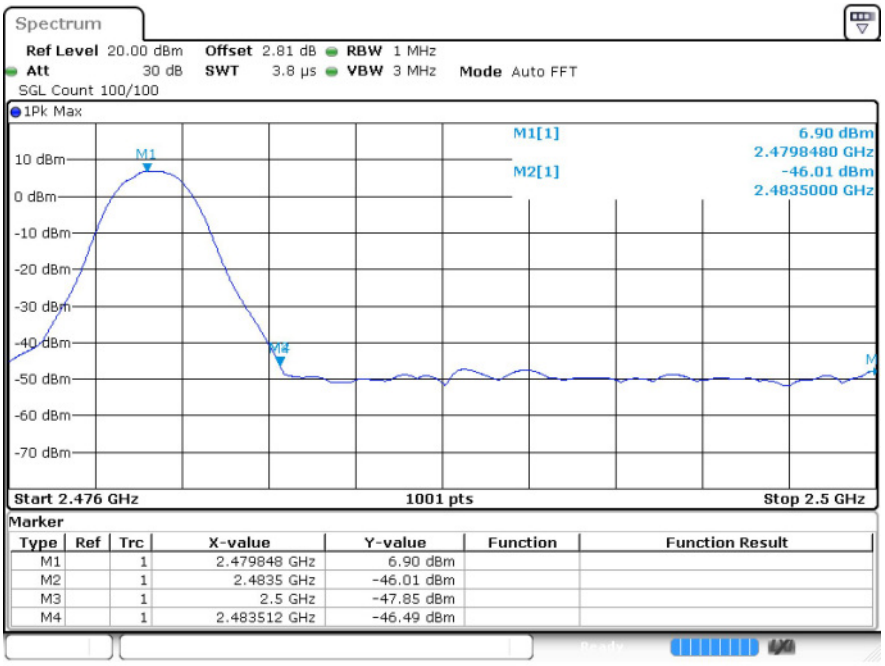
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



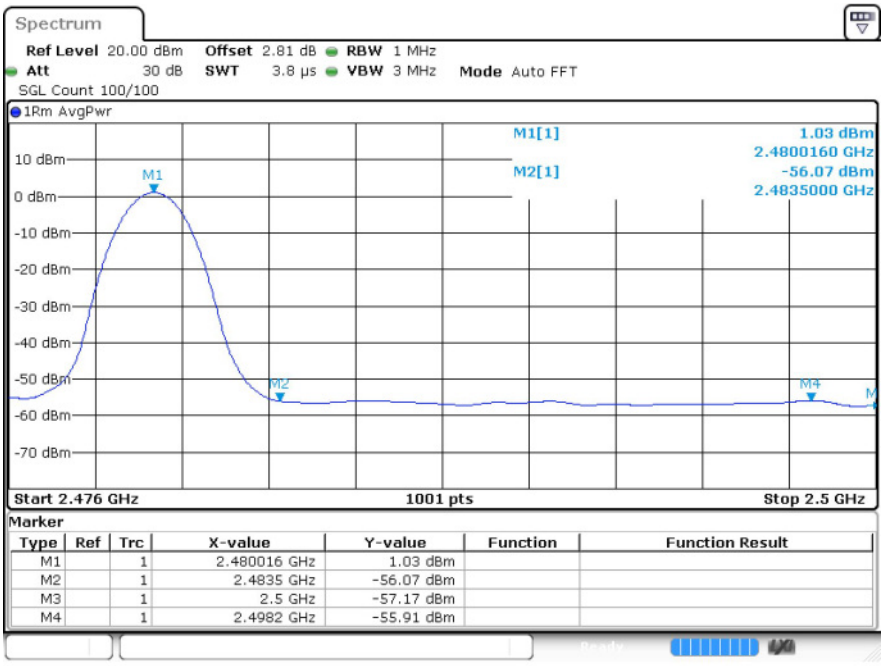
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



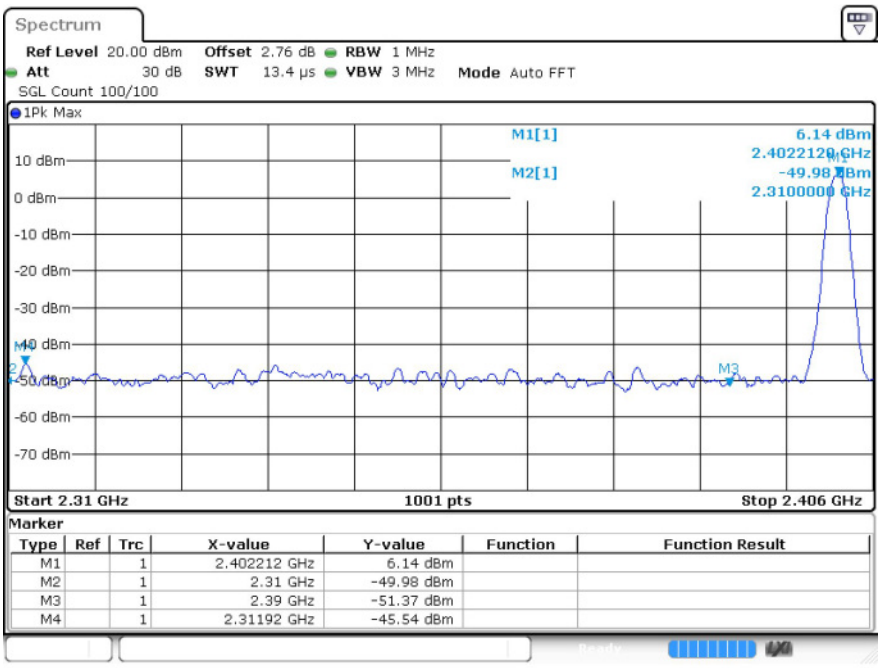
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



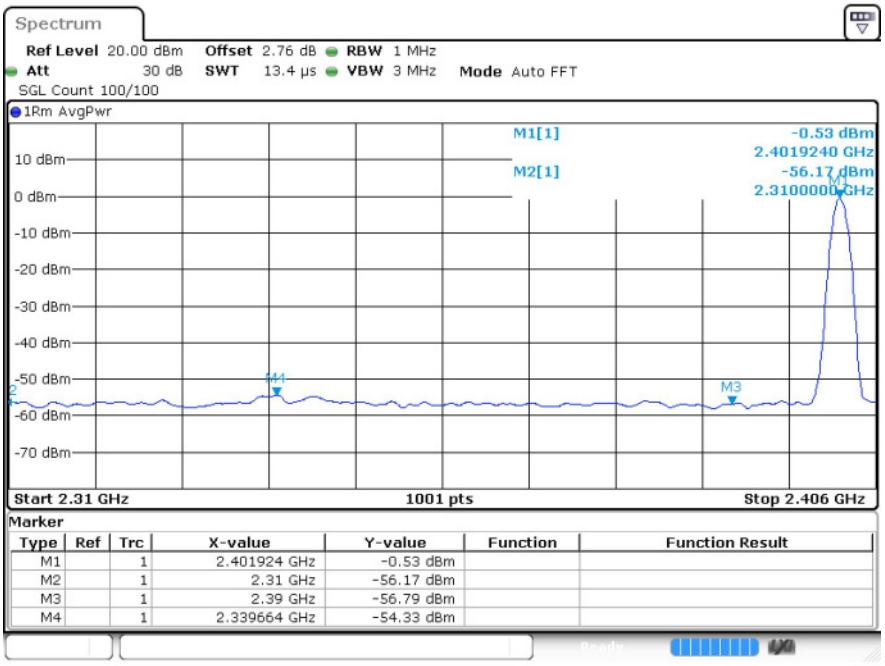
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



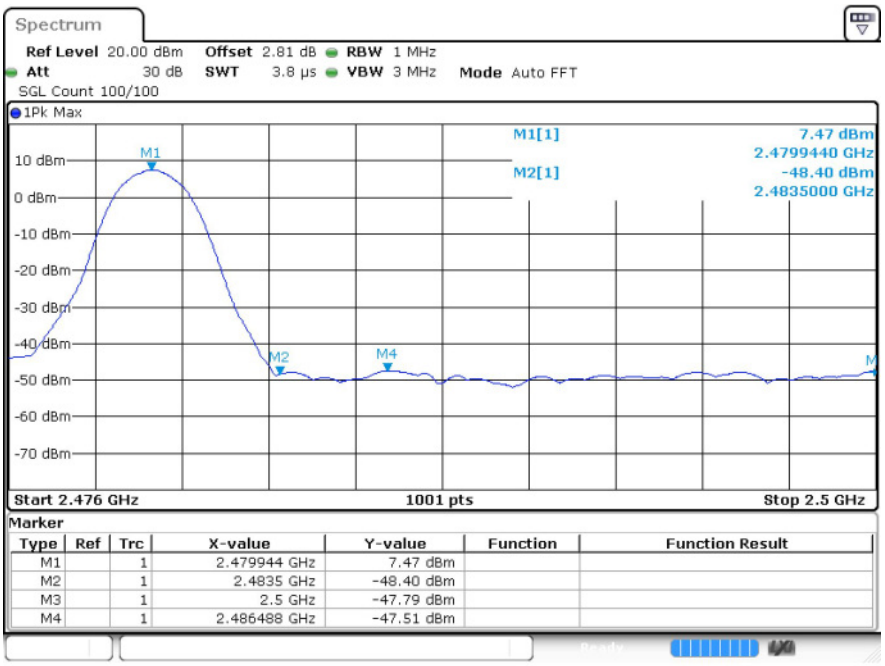
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



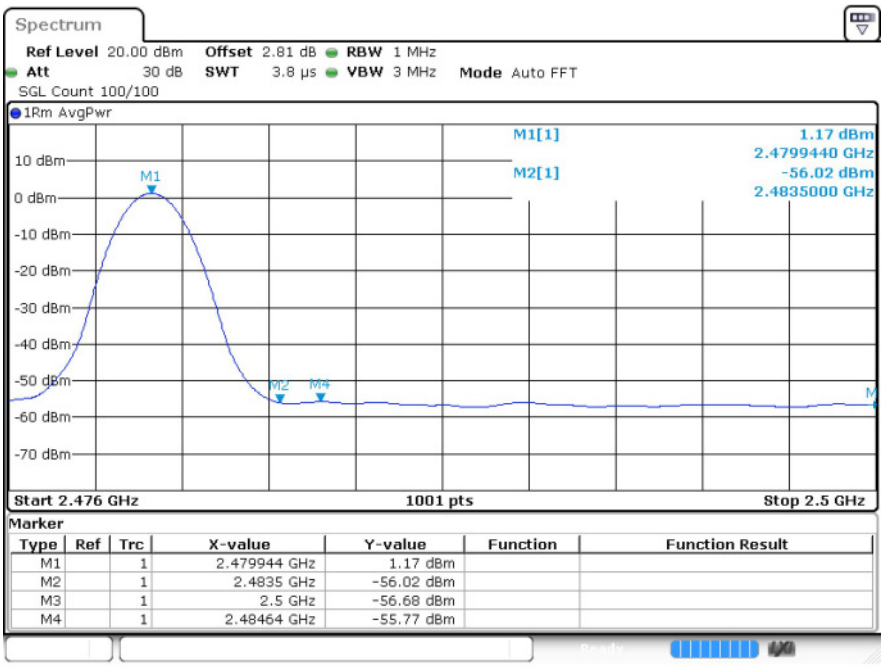
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---