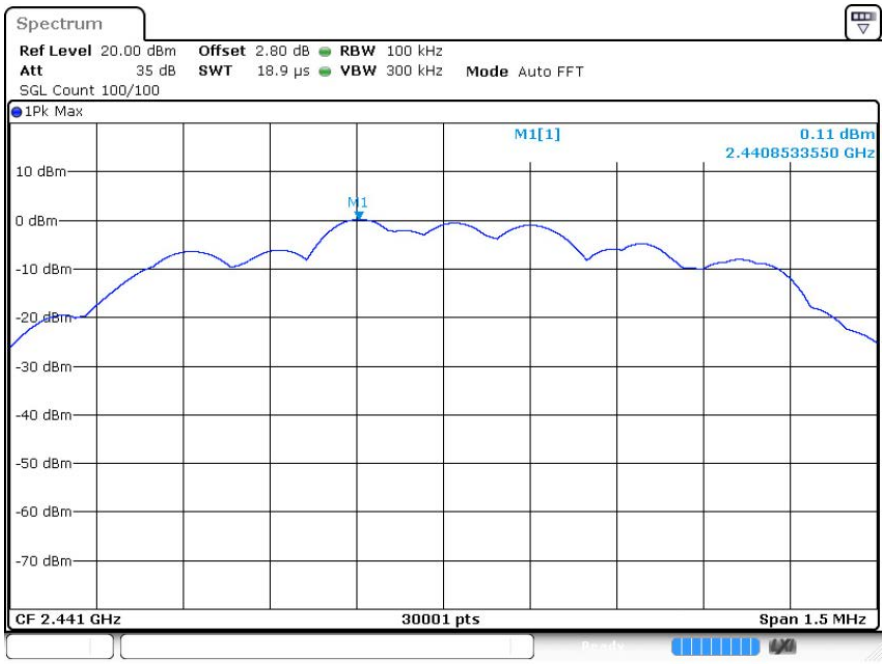
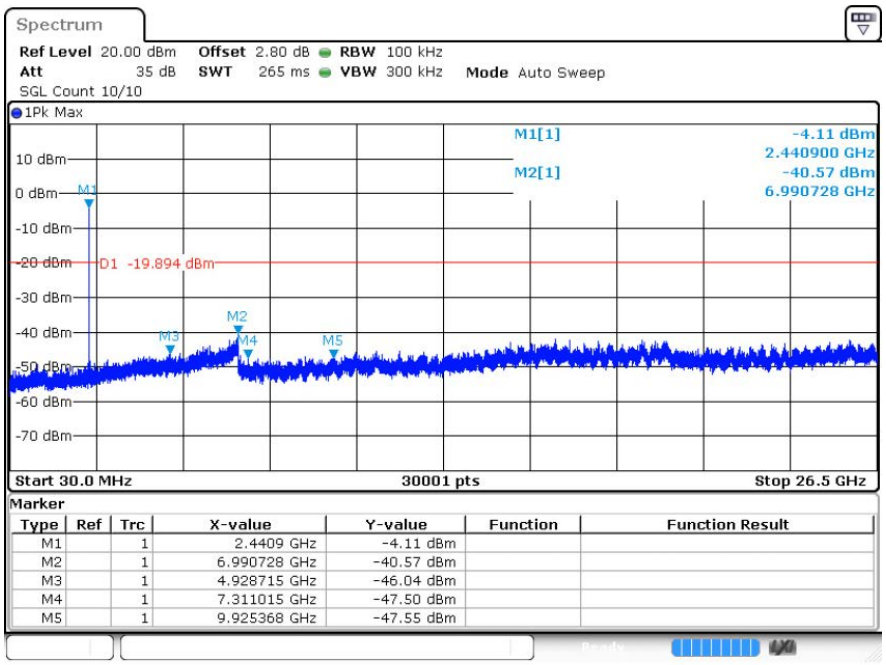
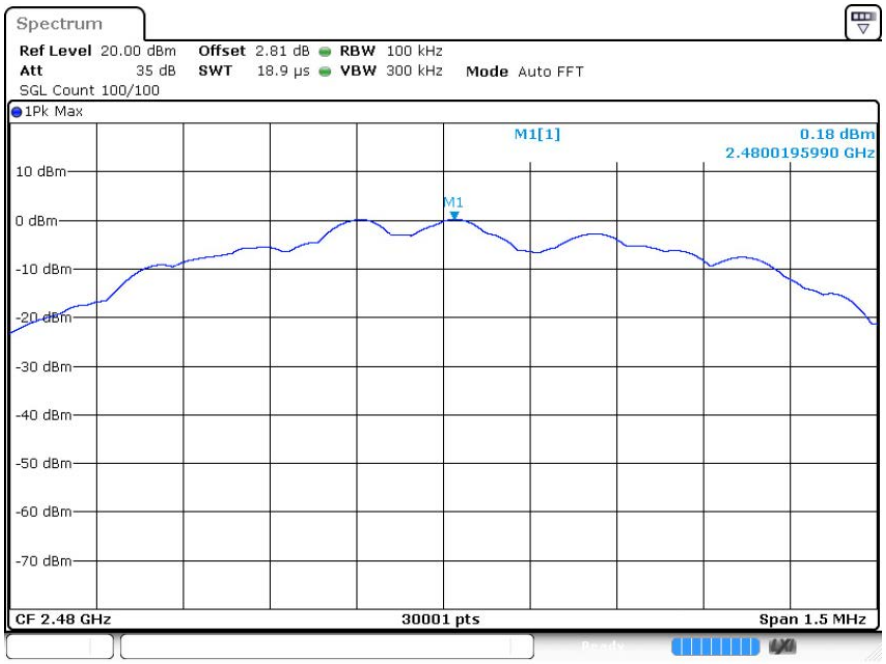
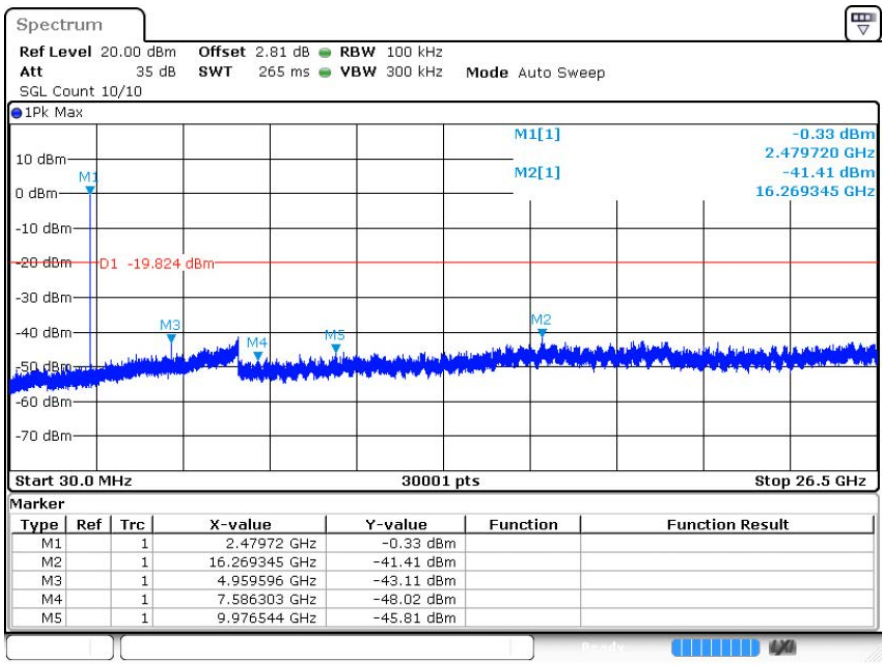
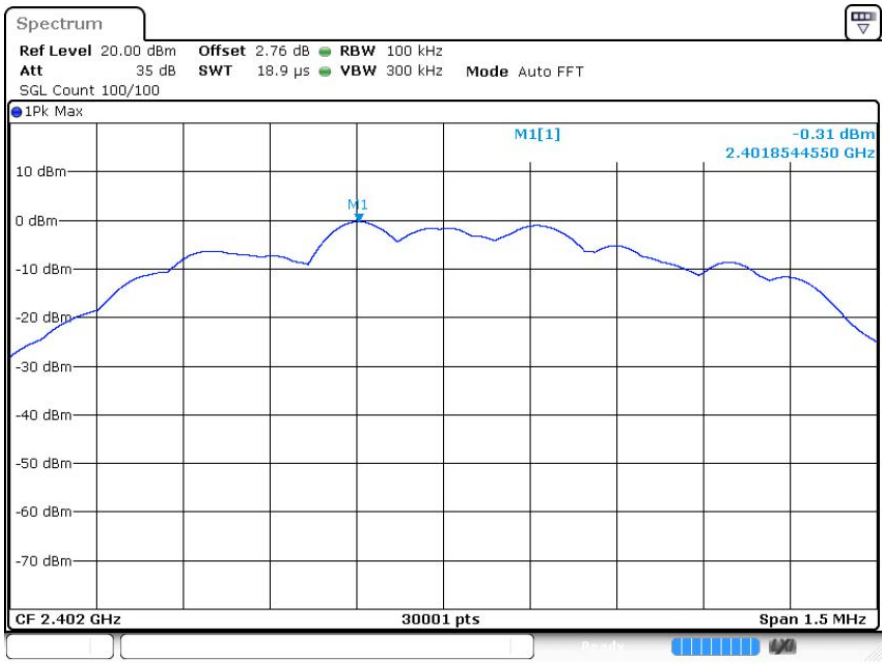
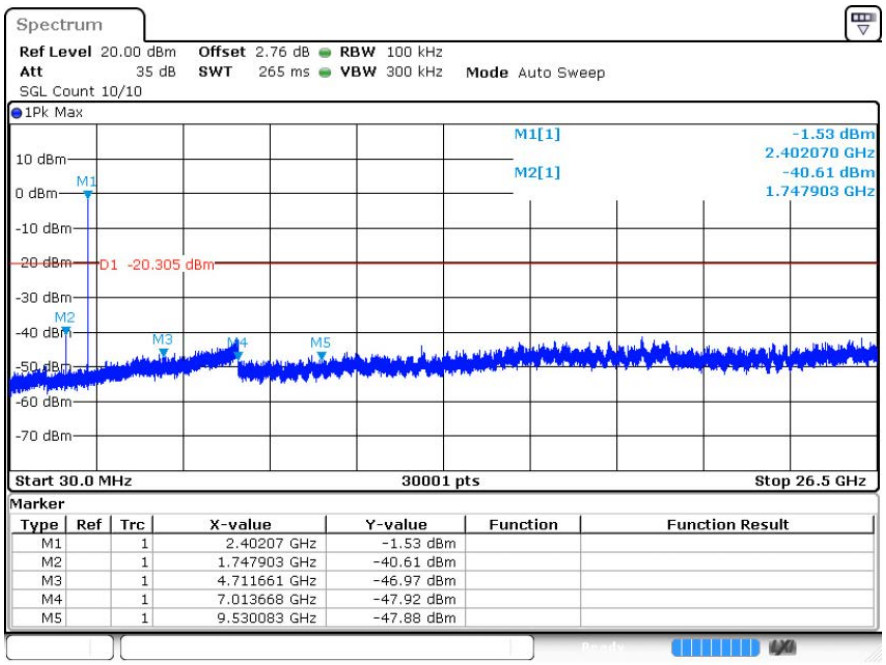
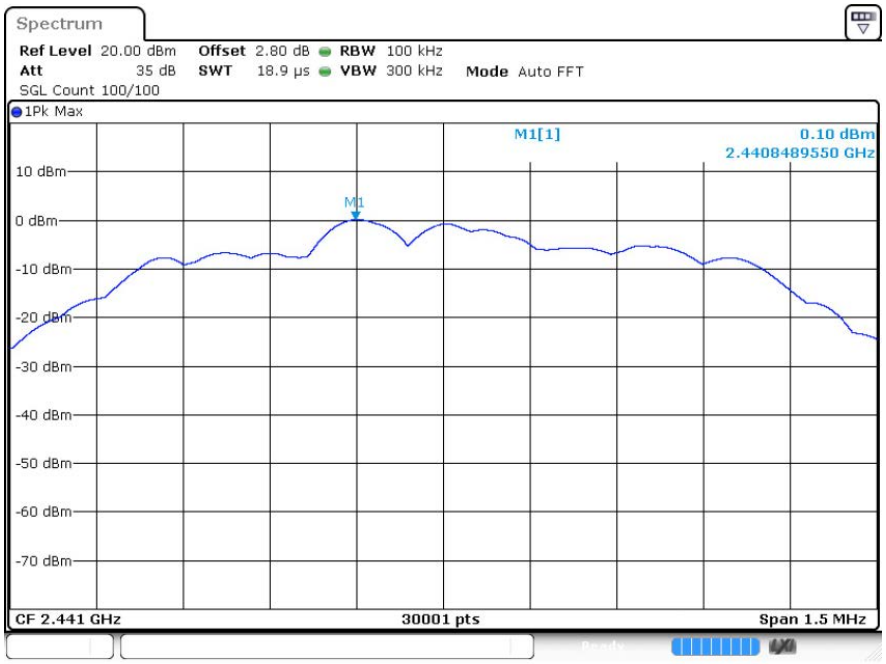
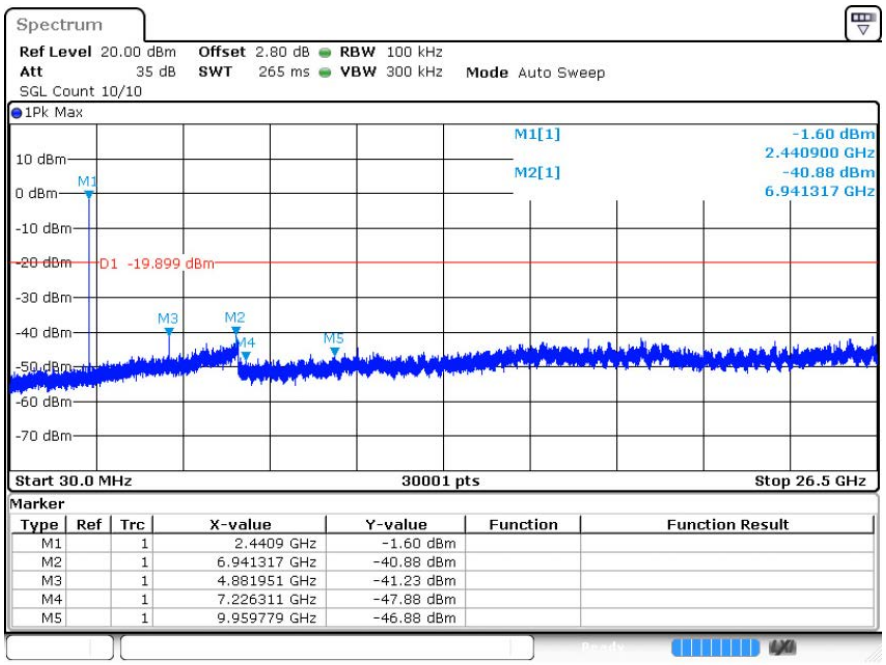
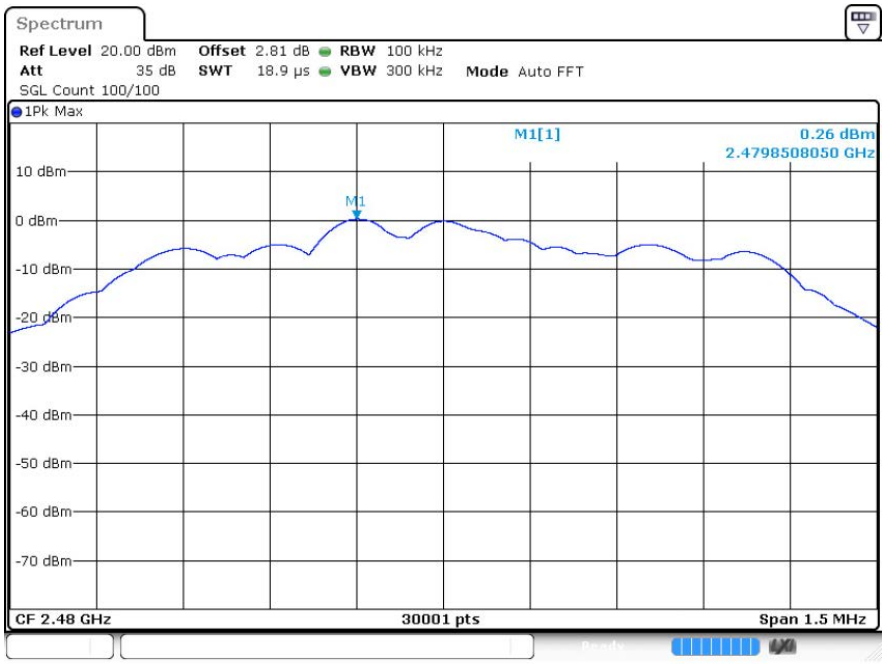
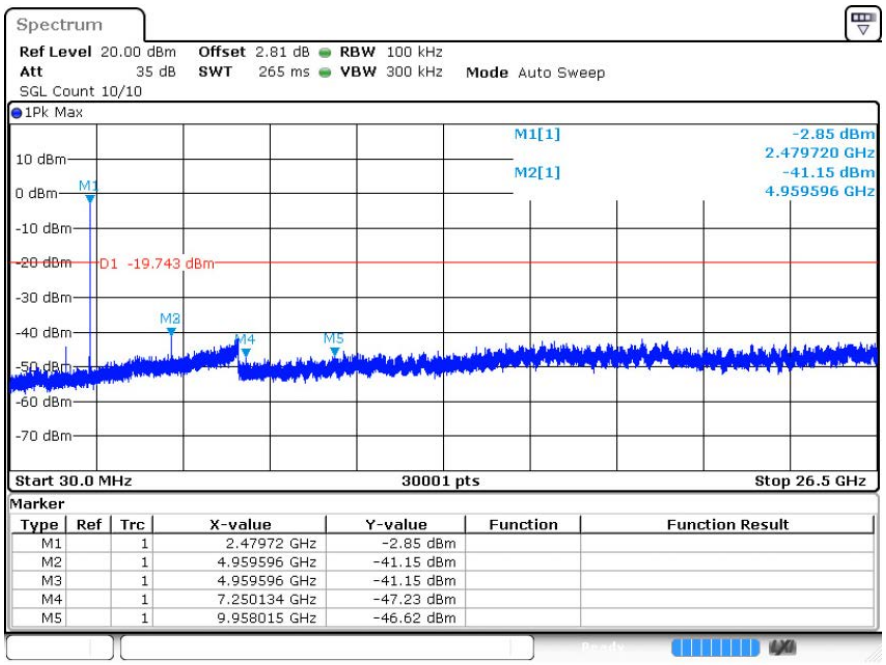
π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

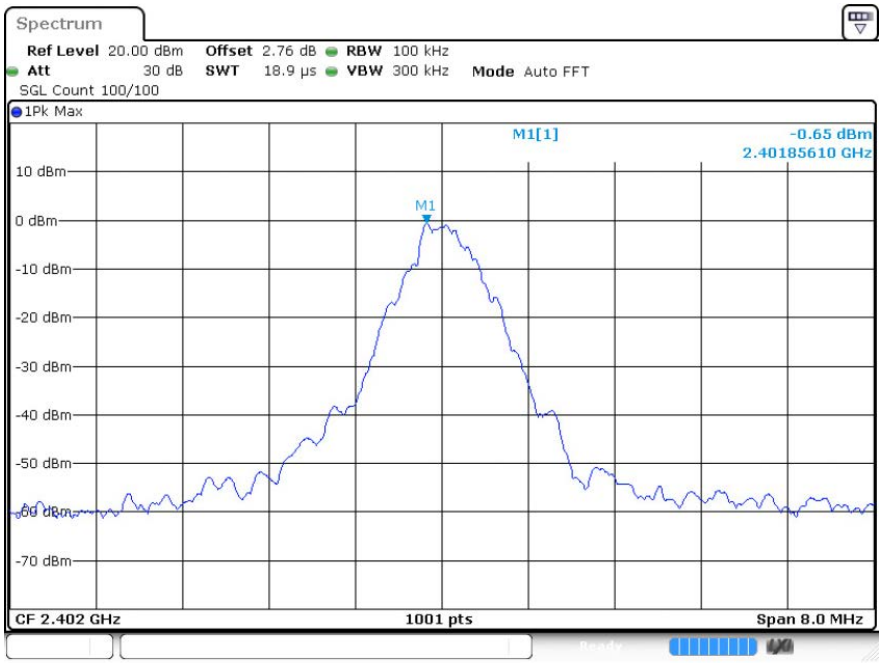
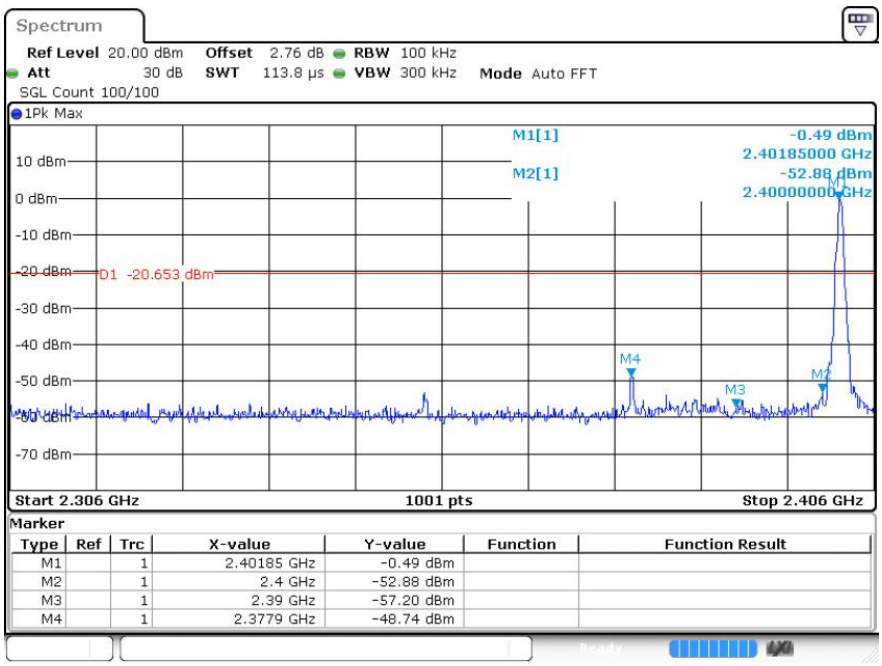
8DPSK_HCH_Graphs	
Pref	
Puw	

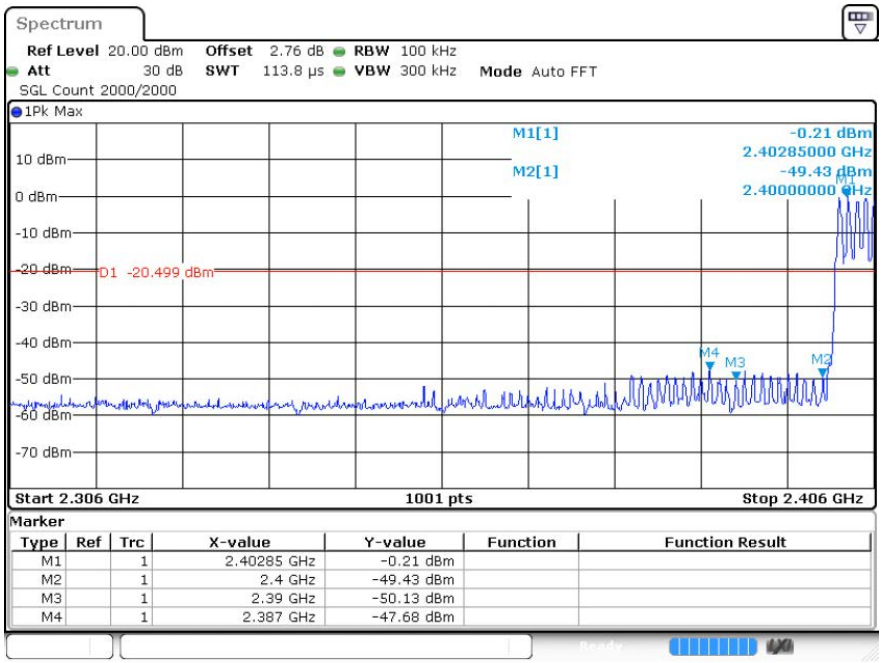
8 Band-edge for RF Conducted Emissions

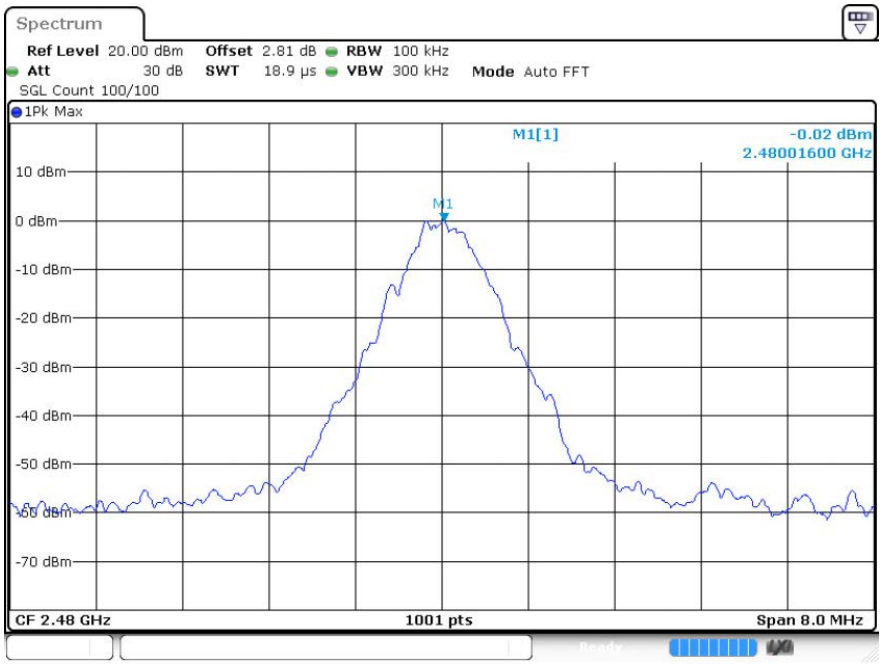
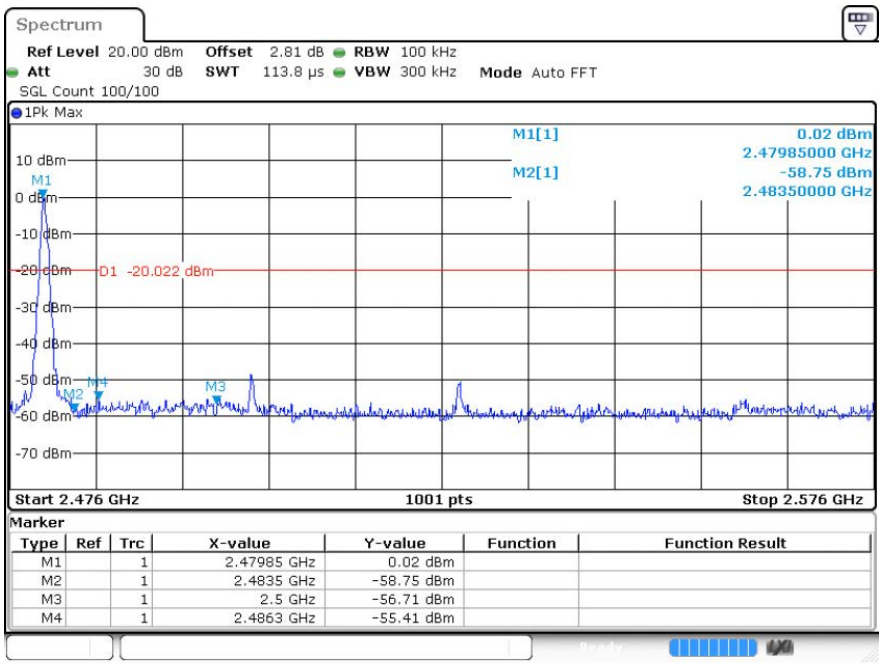
8.1 Test Result

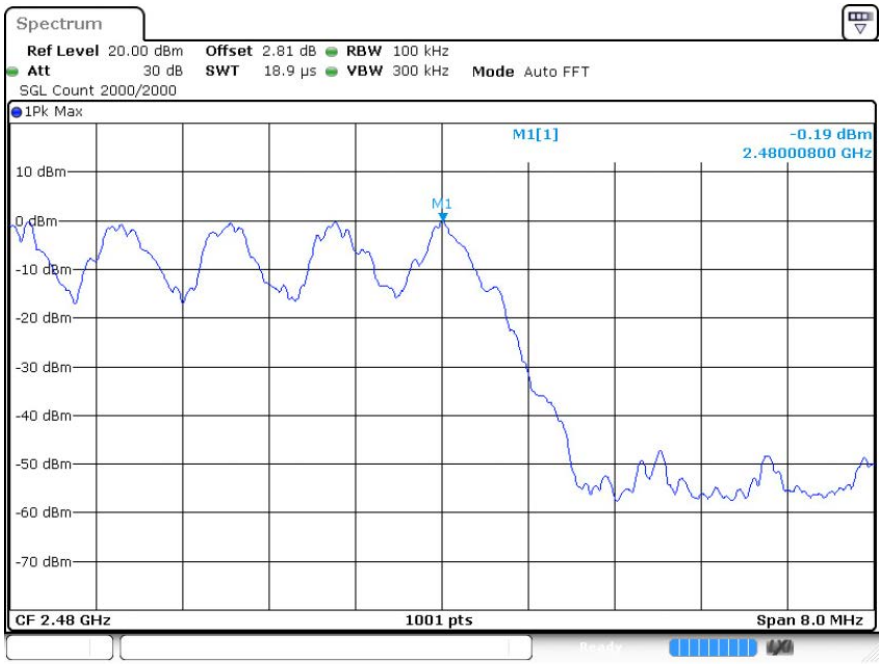
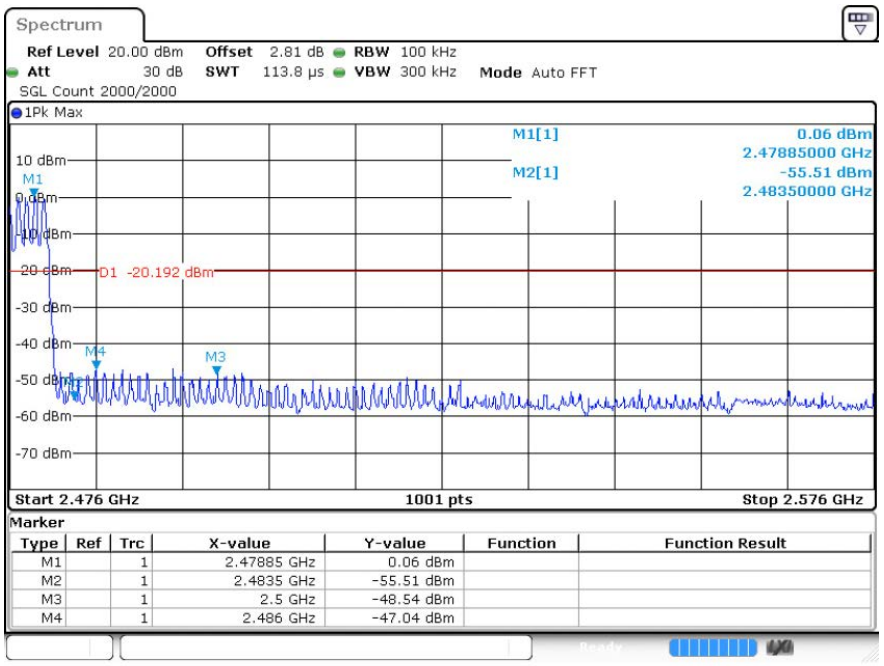
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-48.09	-20	Pass
			On	-47.17	-20	Pass
	HCH	2480	Off	-55.39	-20	Pass
			On	-46.85	-20	Pass
π/4DQPSK	LCH	2402	Off	-48.98	-20	Pass
			On	-46.58	-20	Pass
	HCH	2480	Off	-53.59	-20	Pass
			On	-47.42	-20	Pass
8DPSK	LCH	2402	Off	-47.81	-20	Pass
			On	-48.48	-20	Pass
	HCH	2480	Off	-53.85	-20	Pass
			On	-45.77	-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	

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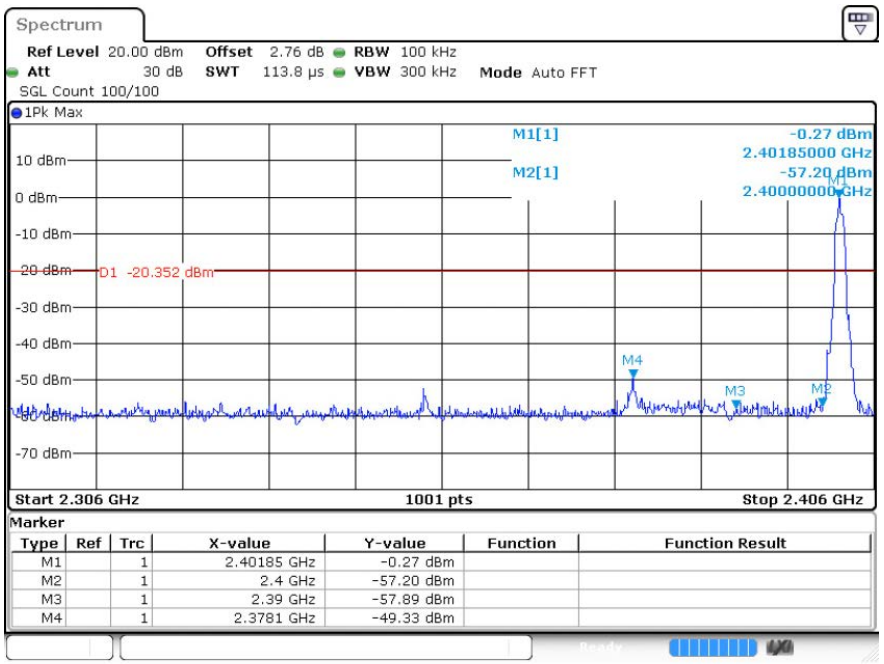
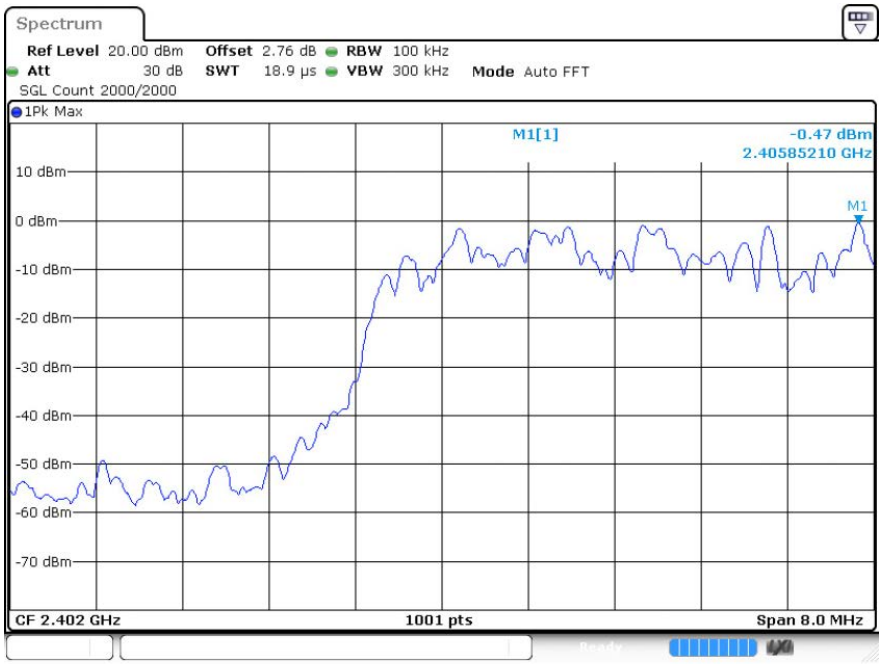
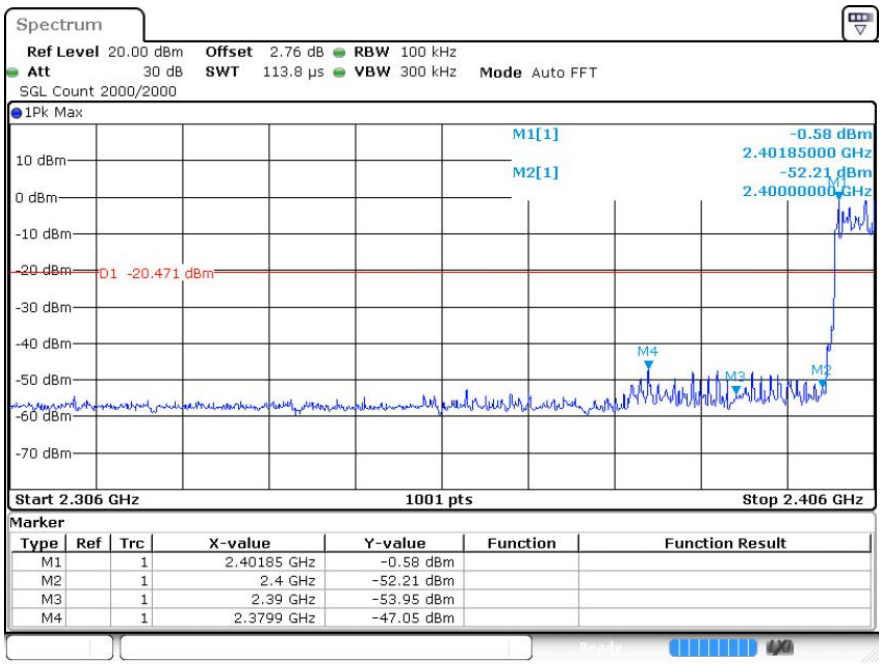
π/4DQPSK/LCH/No Hop	

Ref	
π/4DQPSK/LCH/Hop	

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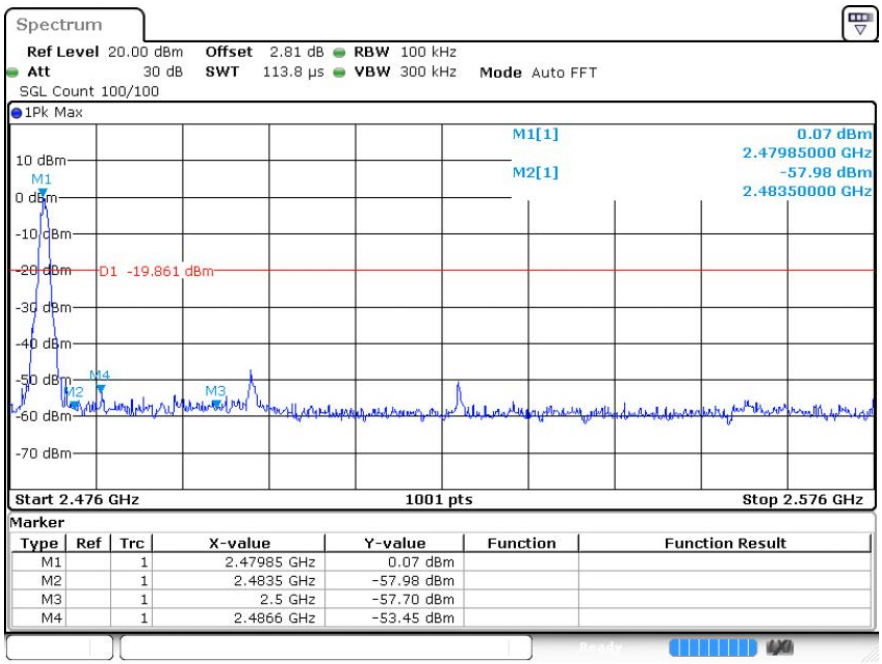
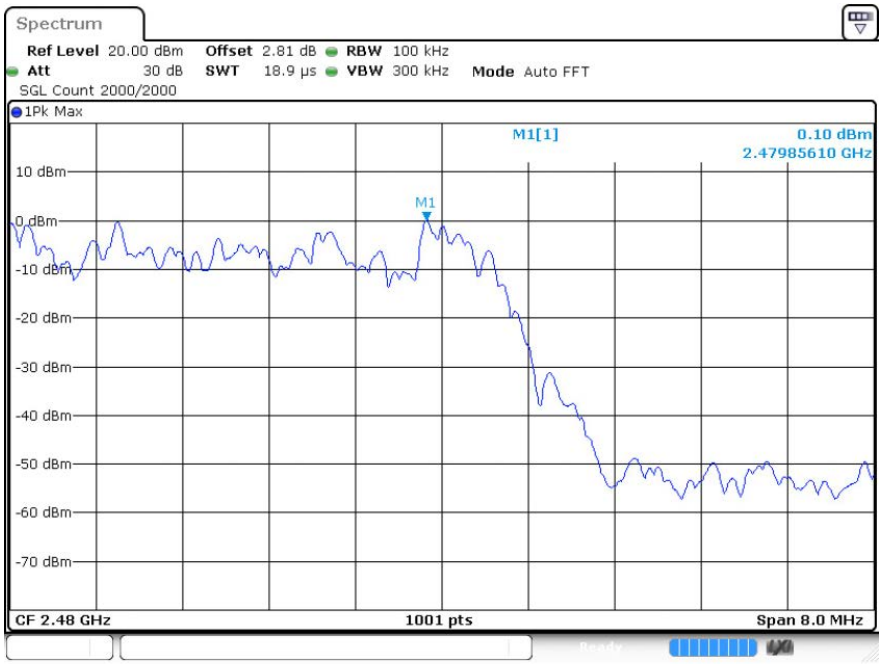
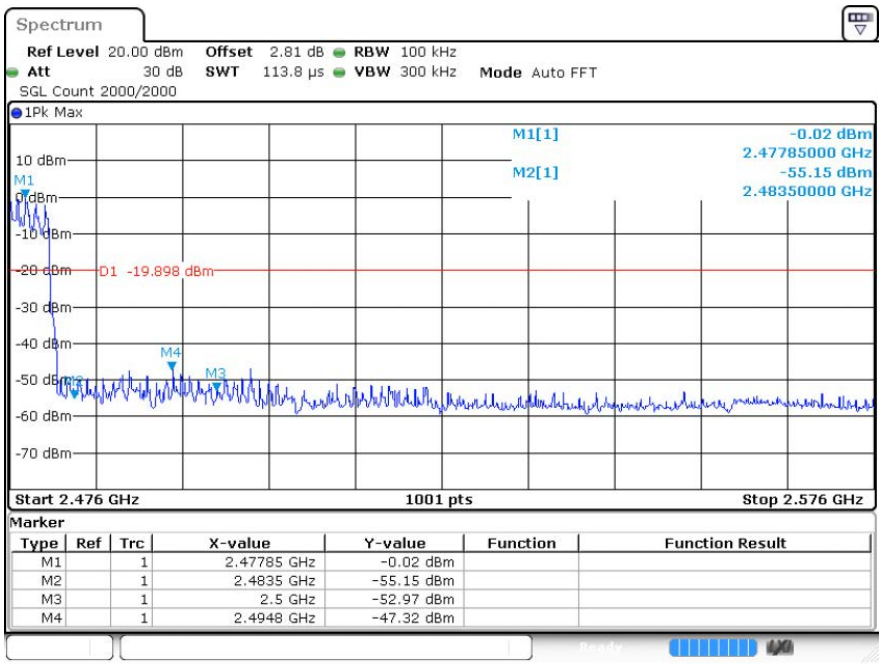
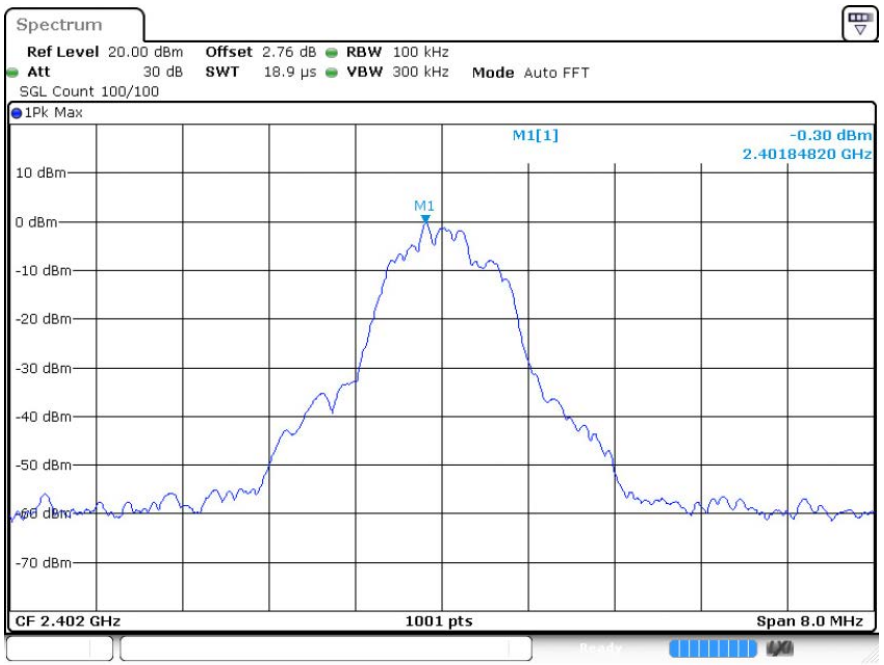
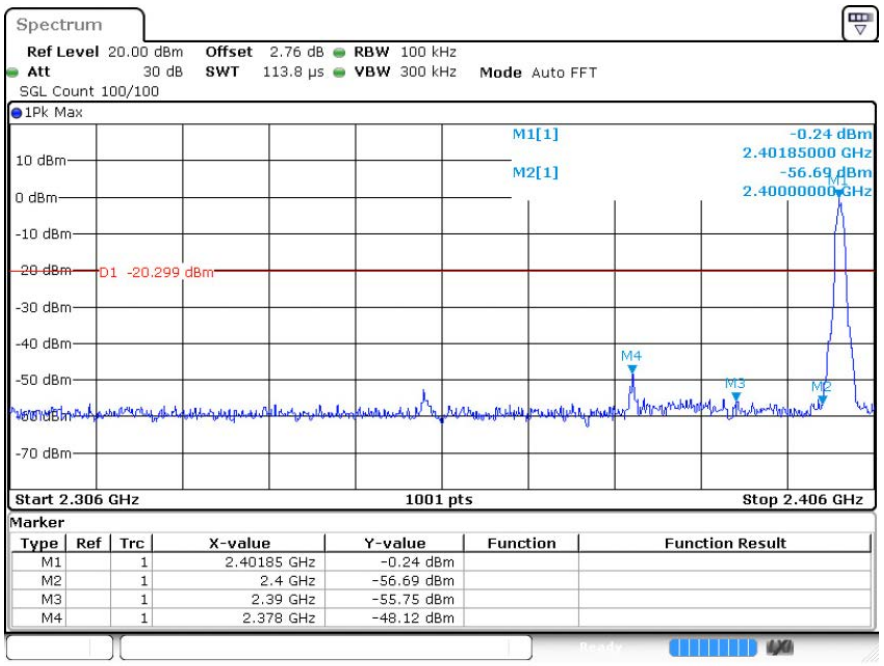
π/4DQPSK/HCH/No Hop	

Ref	
π/4DQPSK/HCH/Hop	

Ref	
8DPSK/LCH/No Hop	

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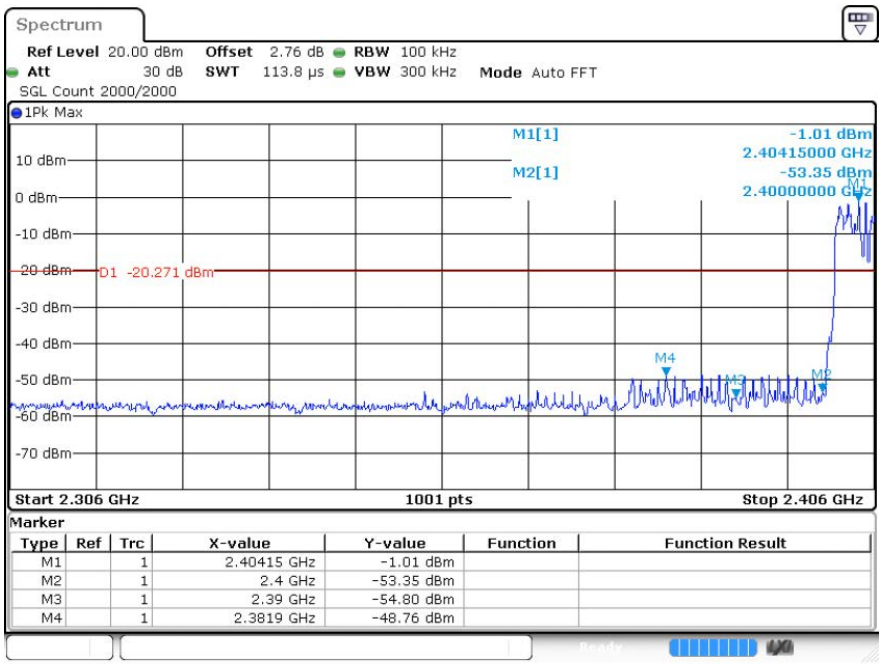
8DPSK/LCH/Hop	

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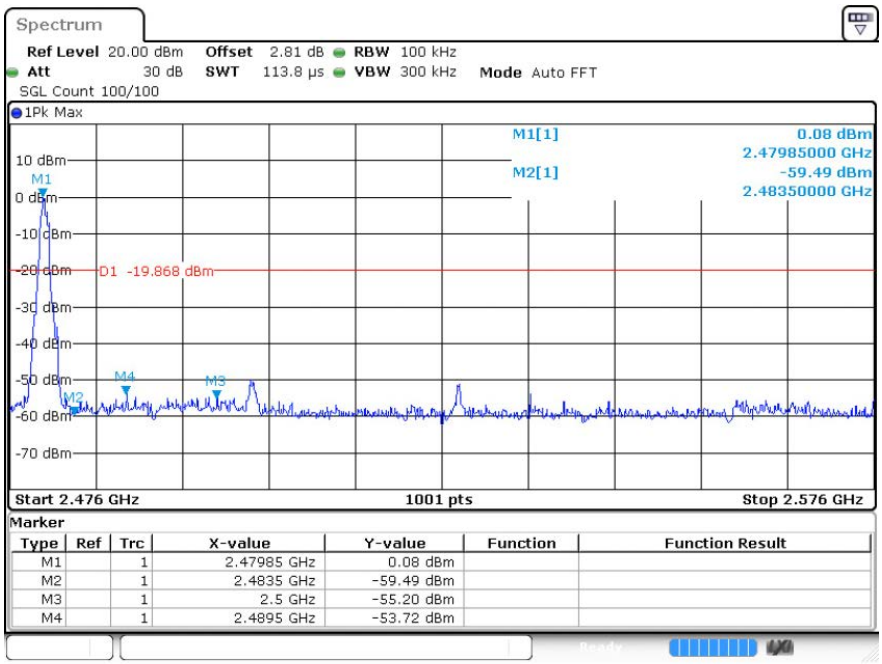
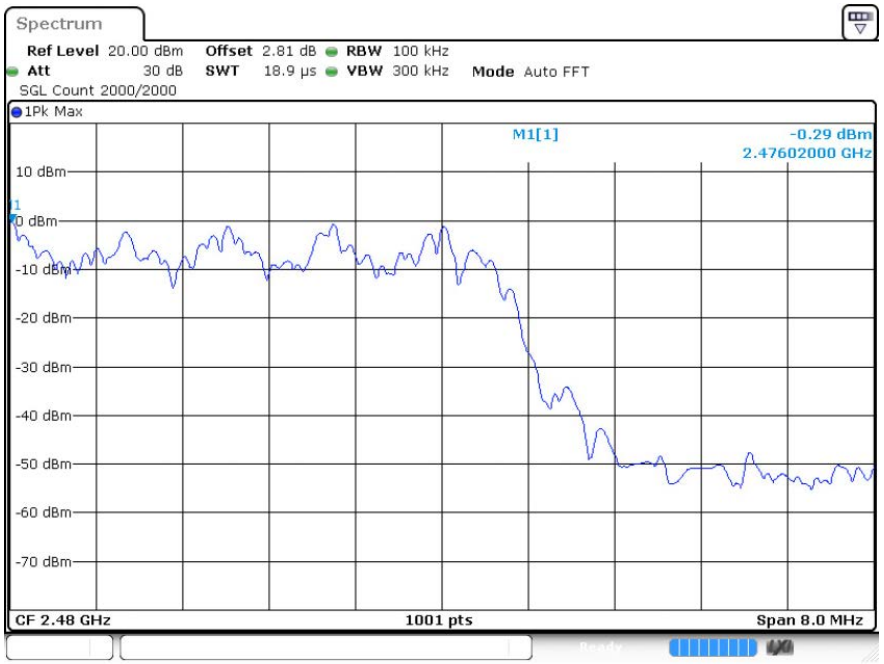
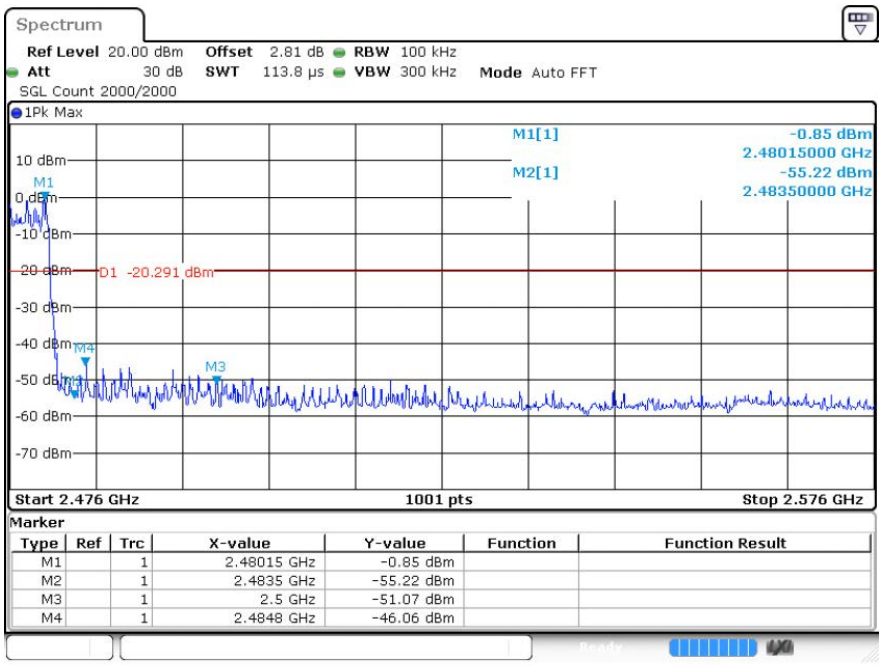
8DPSK/HCH/No Hop	

Ref	
8DPSK/HCH/Hop	

9 Restrict-band band-edge measurements

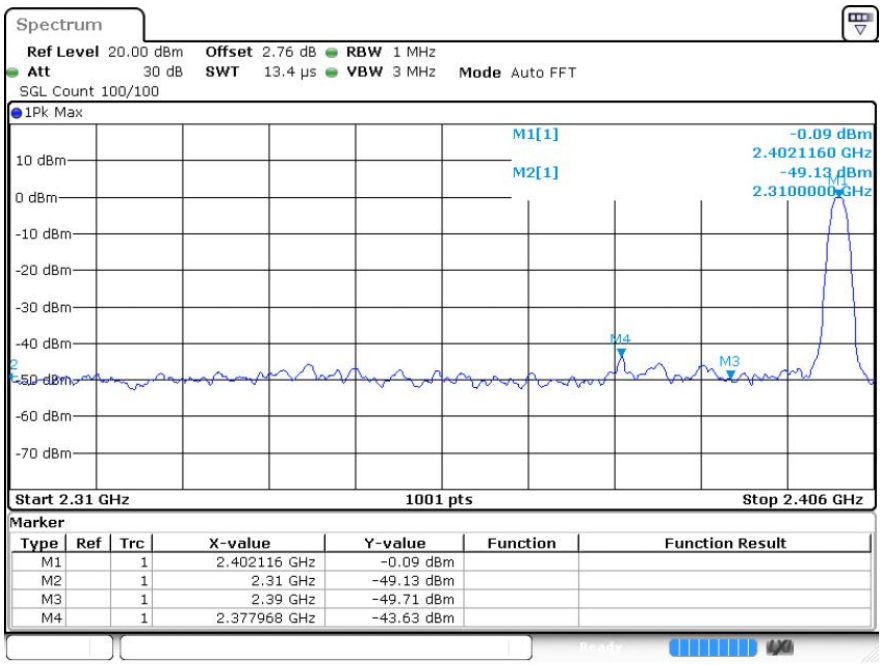
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.13	2	-	48.13	PEAK	74	Pass
	Off	2310.0	-56.7	2	5.13	45.69	AV	54	Pass
	Off	2377.968	-43.62	2	-	53.64	PEAK	74	Pass
	Off	2377.968	-52.86	2	5.13	49.53	AV	54	Pass
	Off	2390.0	-49.71	2	-	47.55	PEAK	74	Pass
	Off	2390.0	-56.03	2	5.13	46.36	AV	54	Pass
	Off	2483.5	-48.94	2	-	48.32	PEAK	74	Pass
	Off	2483.5	-55.64	2	5.06	46.68	AV	54	Pass
	Off	2495.536	-46.02	2	-	51.24	PEAK	74	Pass
	Off	2498.056	-55.19	2	5.06	47.13	AV	54	Pass
	Off	2500.0	-49.55	2	-	47.71	PEAK	74	Pass
	Off	2500.0	-55.57	2	5.06	46.75	AV	54	Pass
π/4DQPSK	Off	2310.0	-50.45	2	-	46.81	PEAK	74	Pass
	Off	2310.0	-56.53	2	4.95	45.68	AV	54	Pass
	Off	2377.872	-44.53	2	-	52.73	PEAK	74	Pass
	Off	2378.064	-54.35	2	4.95	47.86	AV	54	Pass
	Off	2390.0	-49.06	2	-	48.2	PEAK	74	Pass
	Off	2390.0	-55.81	2	4.95	46.4	AV	54	Pass
	Off	2483.5	-50.6	2	-	46.66	PEAK	74	Pass
	Off	2483.5	-56.12	2	4.95	46.09	AV	54	Pass
	Off	2499.256	-45.07	2	-	52.19	PEAK	74	Pass
	Off	2493.328	-54.7	2	4.95	47.51	AV	54	Pass
	Off	2500.0	-46.78	2	-	50.48	PEAK	74	Pass
	Off	2500.0	-55.55	2	4.95	46.66	AV	54	Pass
8DPSK	Off	2310.0	-49.9	2	-	47.36	PEAK	74	Pass
	Off	2310.0	-56.94	2	5.06	45.38	AV	54	Pass
	Off	2339.856	-45.5	2	-	51.76	PEAK	74	Pass
	Off	2378.064	-53.26	2	5.06	49.06	AV	54	Pass

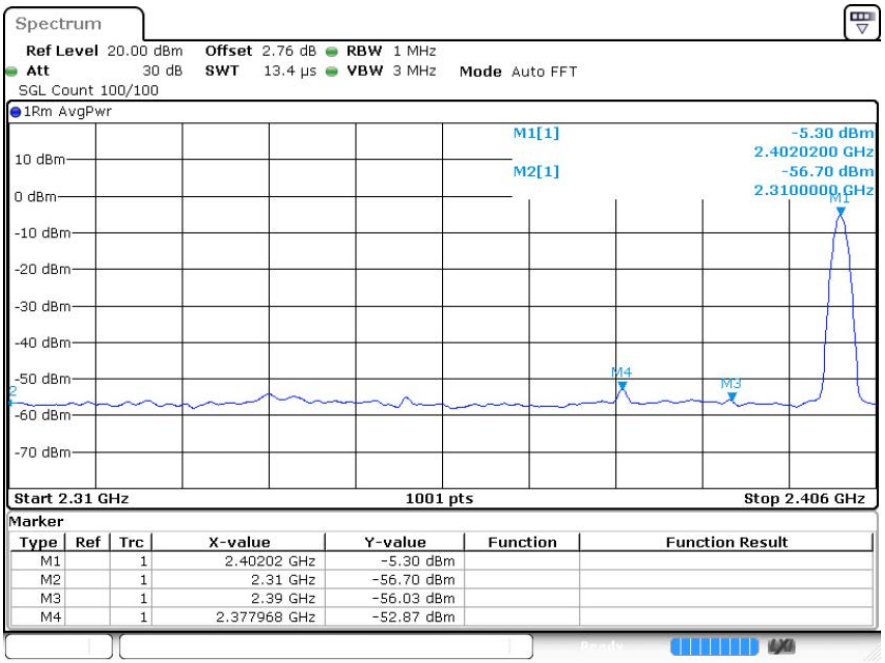
	Off	2390.0	-48.09	2	-	49.17	PEAK	74	Pass
	Off	2390.0	-56.19	2	5.06	46.13	AV	54	Pass
	Off	2483.5	-48.18	2	-	49.08	PEAK	74	Pass
	Off	2483.5	-56.3	2	4.95	45.91	AV	54	Pass
	Off	2491.504	-45.28	2	-	51.98	PEAK	74	Pass
	Off	2498.776	-54.51	2	4.95	47.7	AV	54	Pass
	Off	2500.0	-47.59	2	-	49.67	PEAK	74	Pass
	Off	2500.0	-55.21	2	4.95	47	AV	54	Pass

9.2 Test Graphs

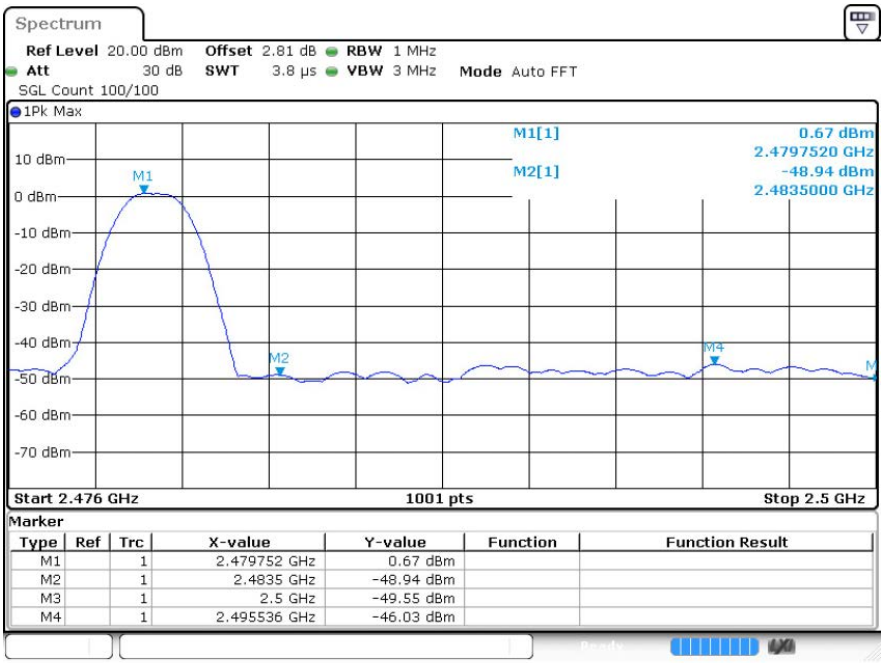
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



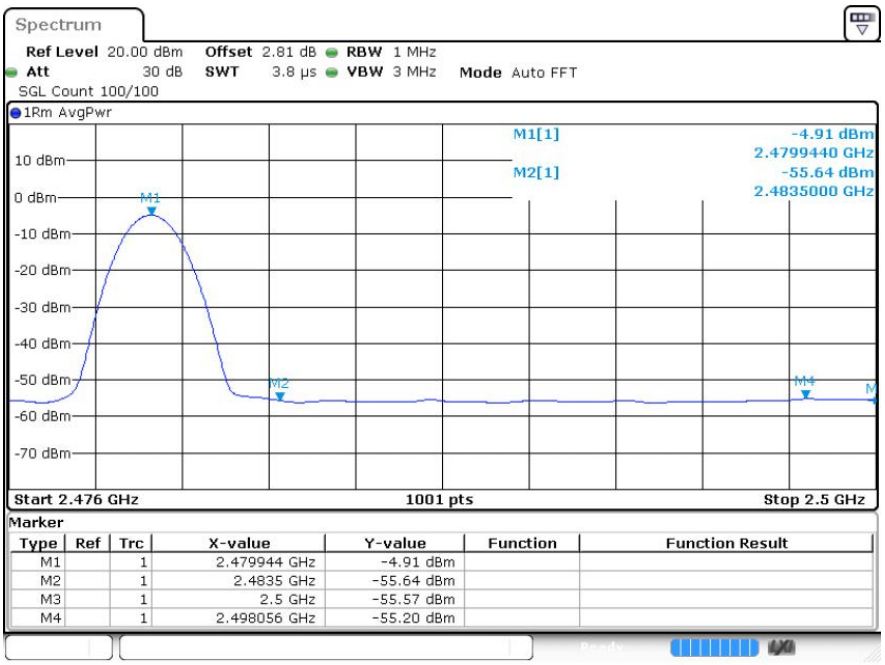
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



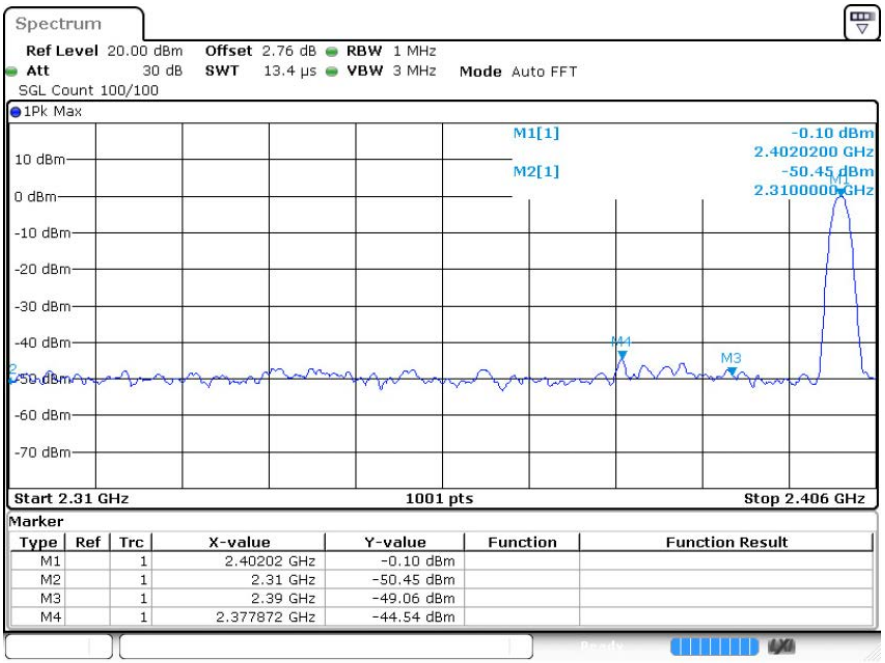
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



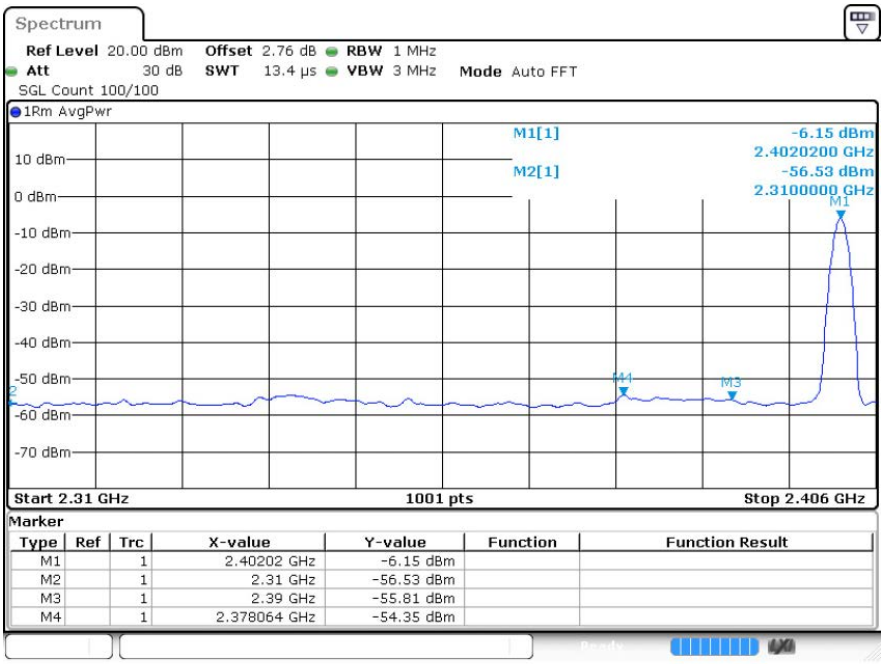
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



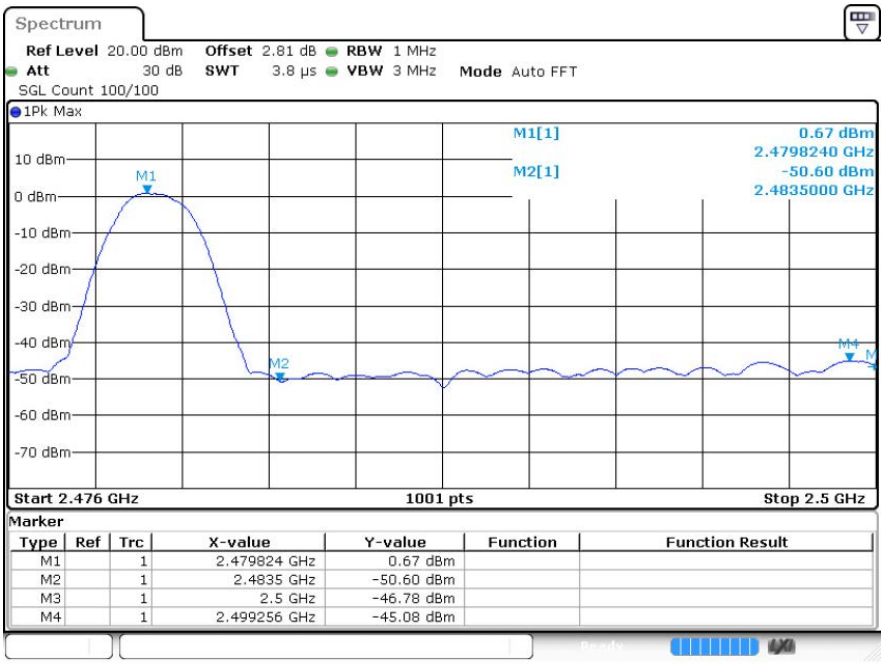
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



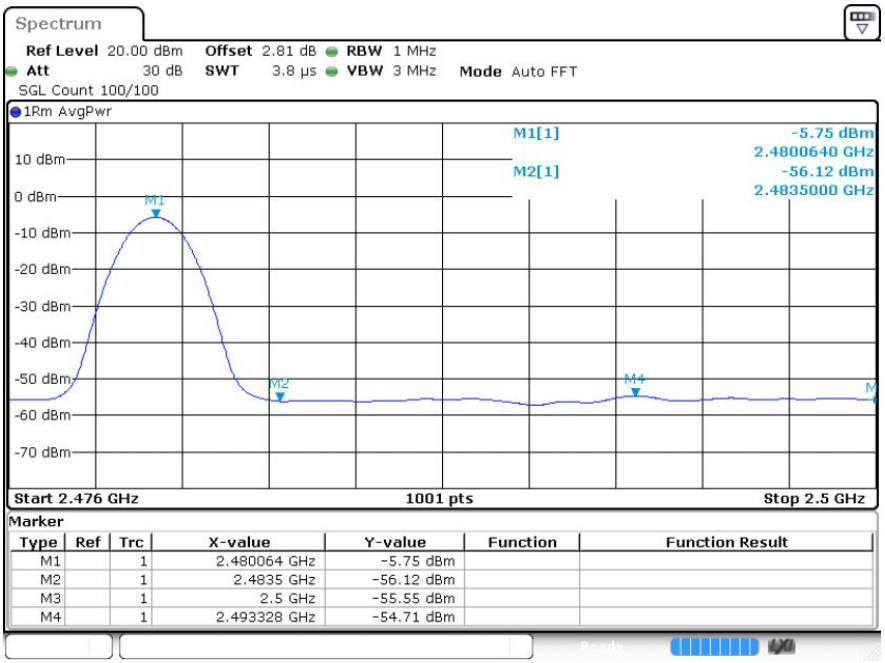
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



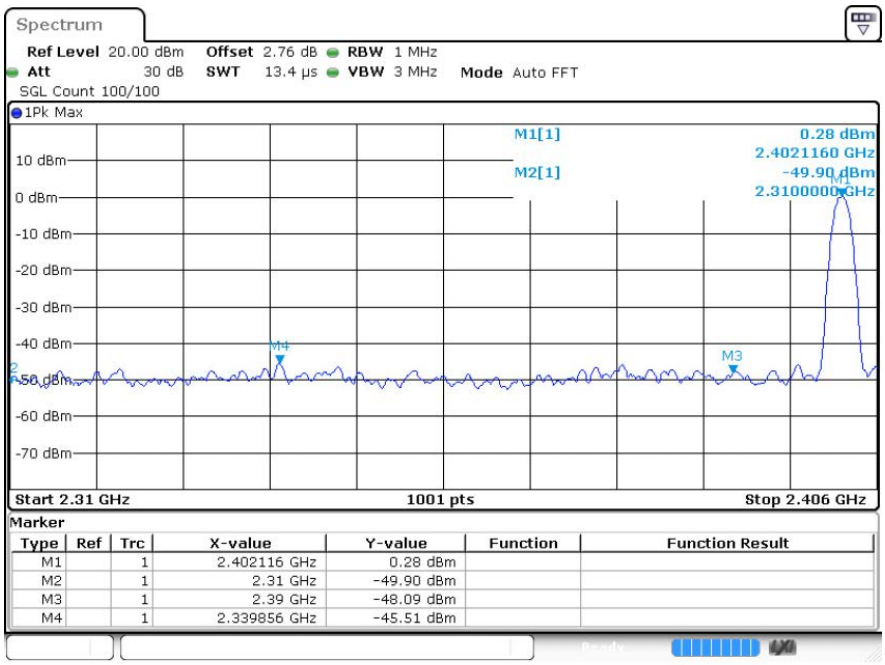
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



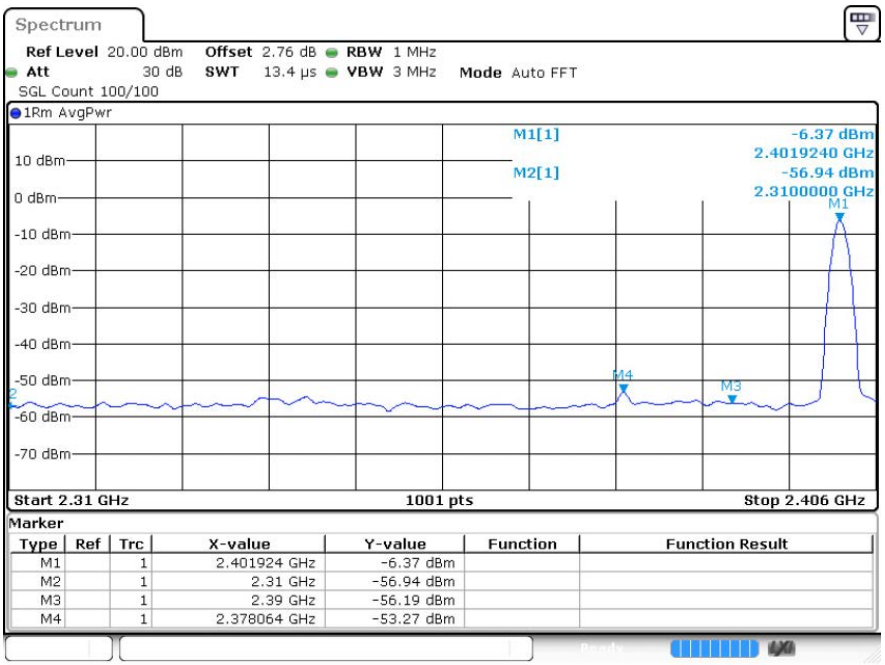
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



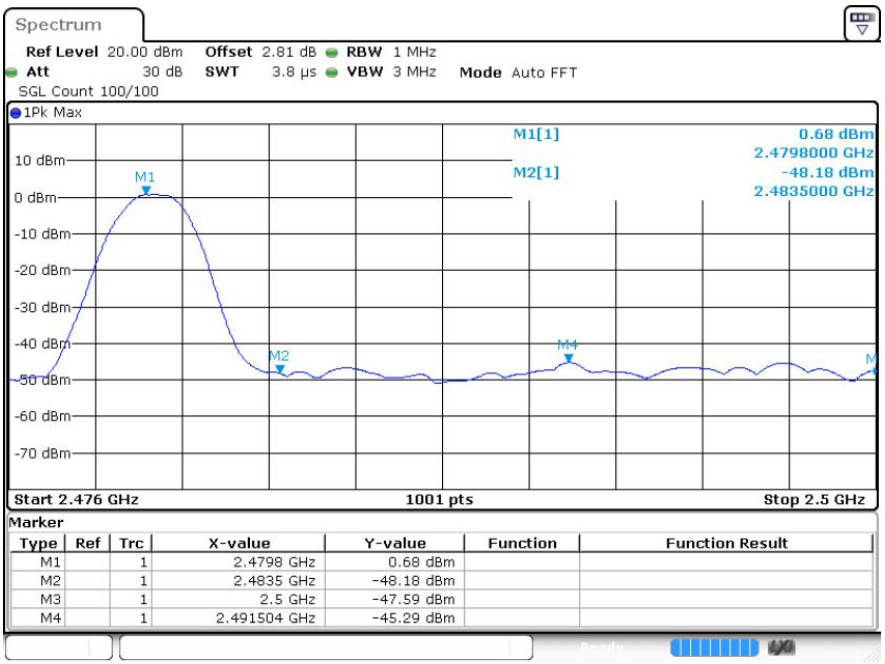
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



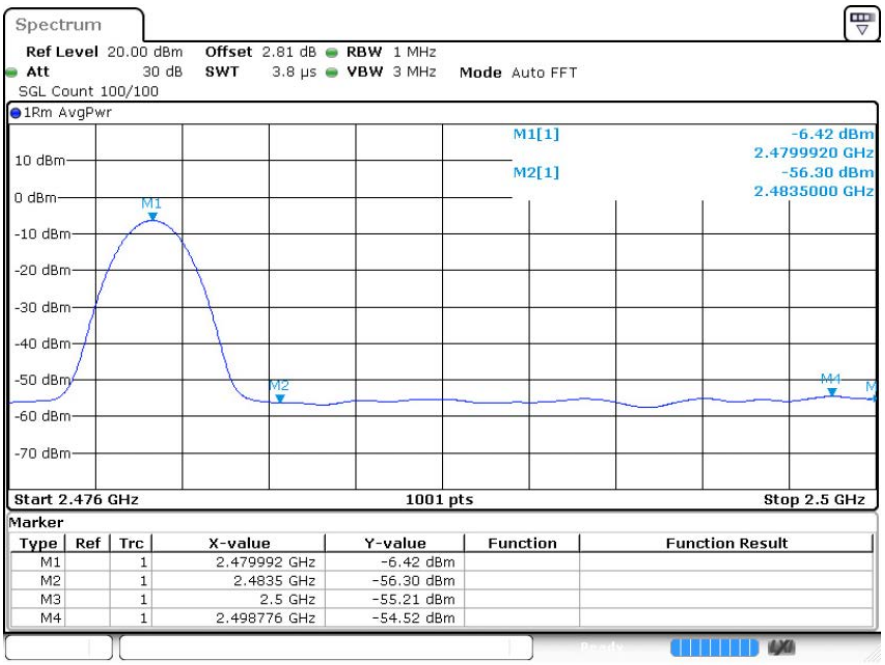
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---