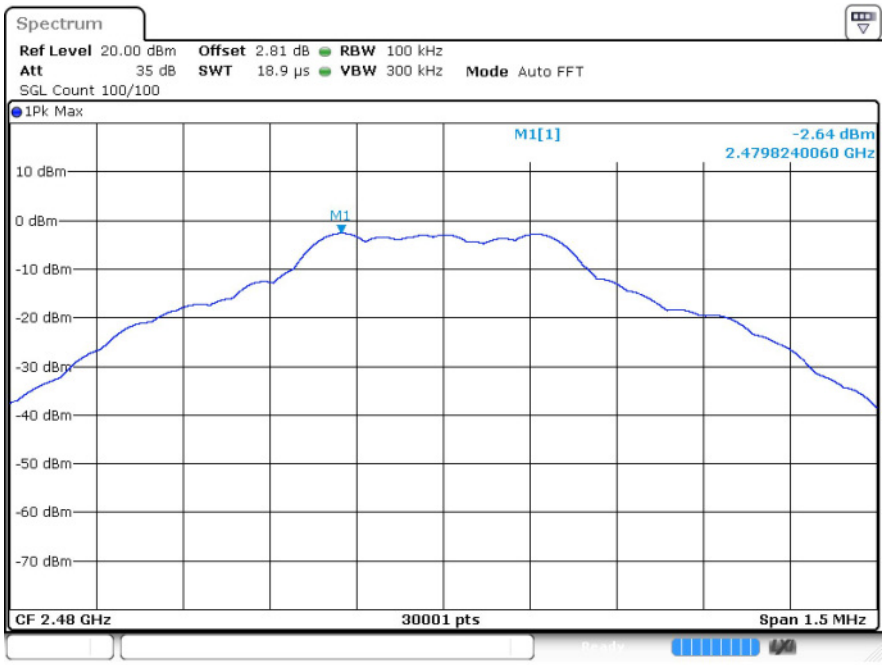
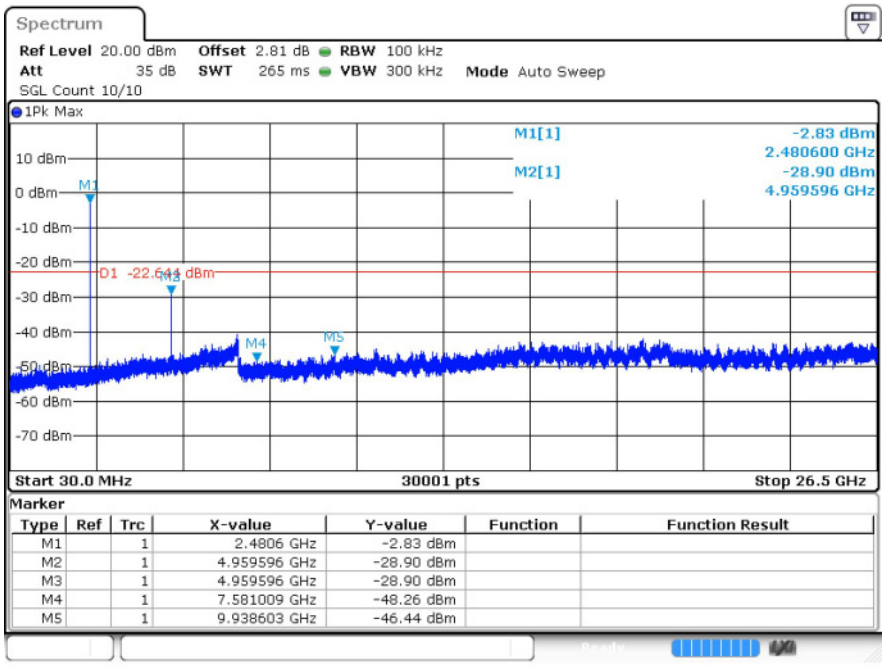
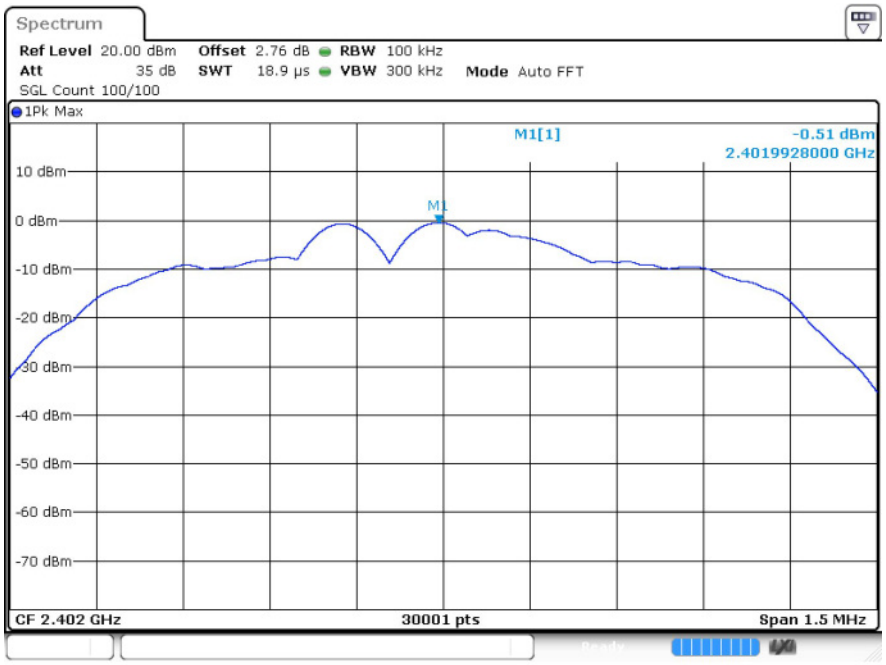
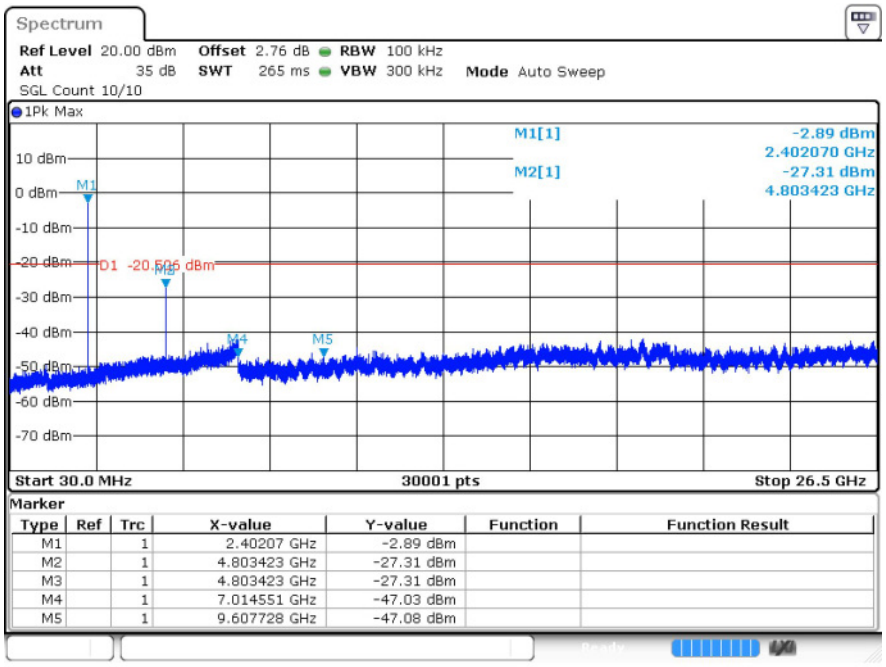
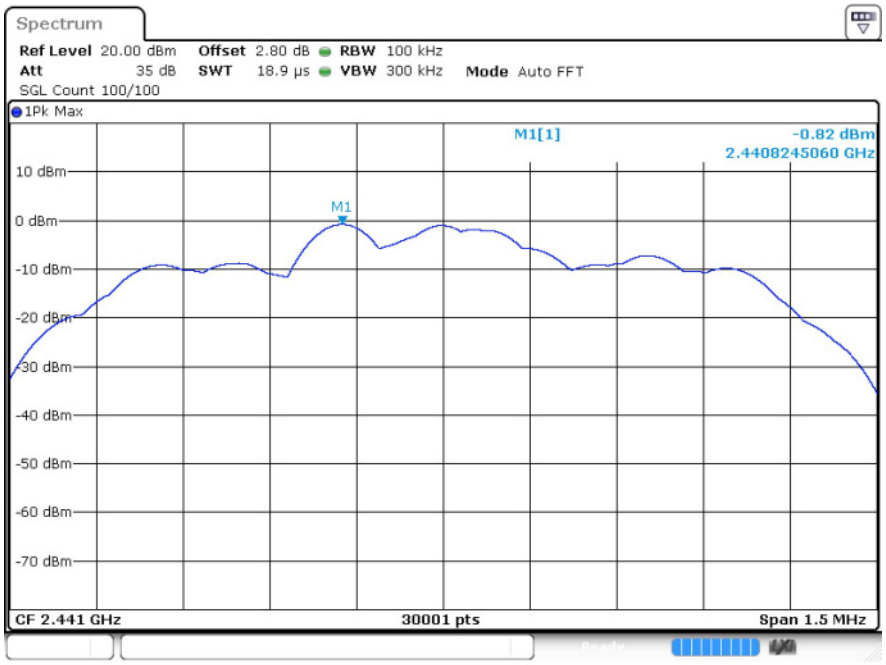
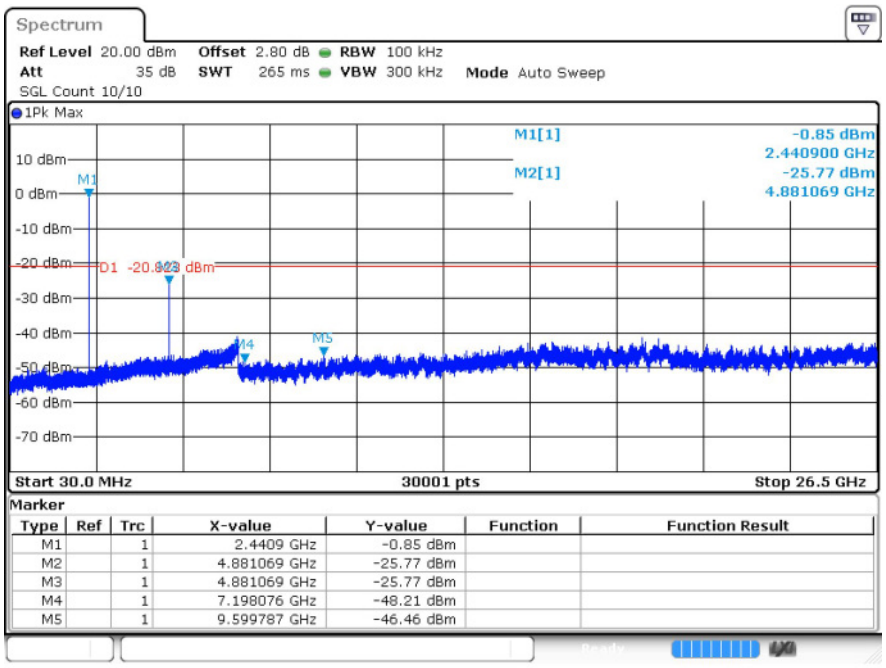
GFSK_HCH_Graphs	
Pref	
Puw	

π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

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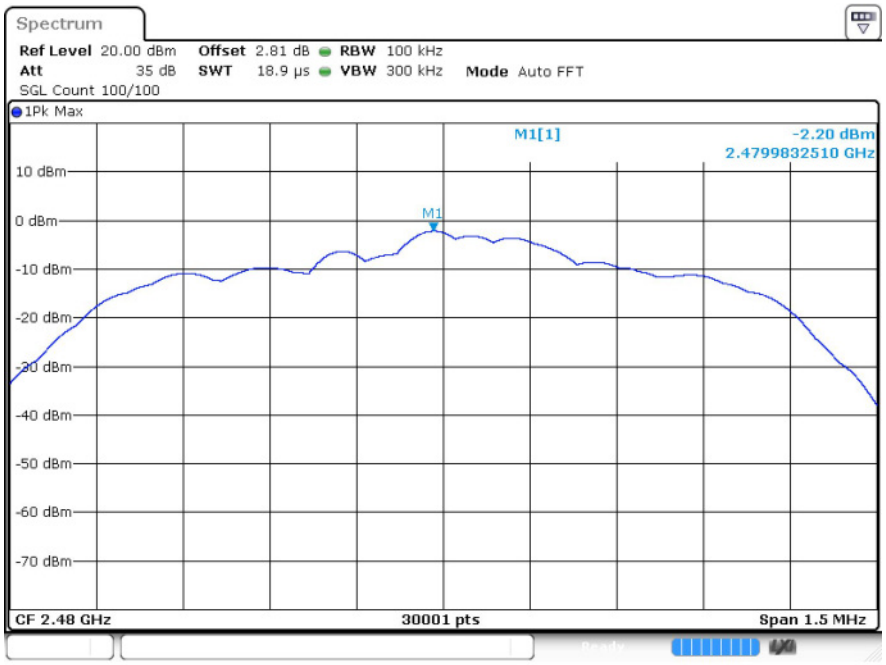
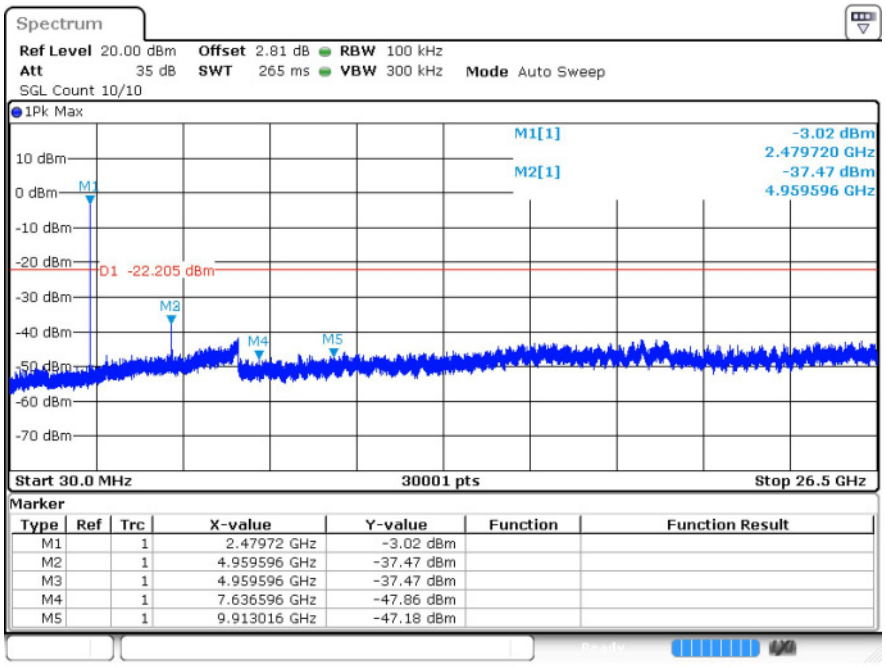
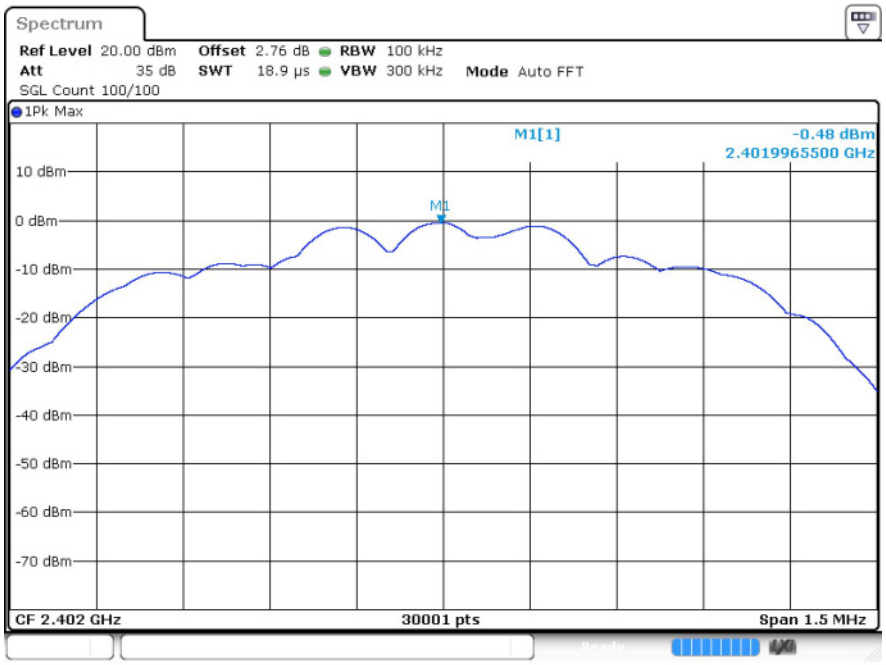
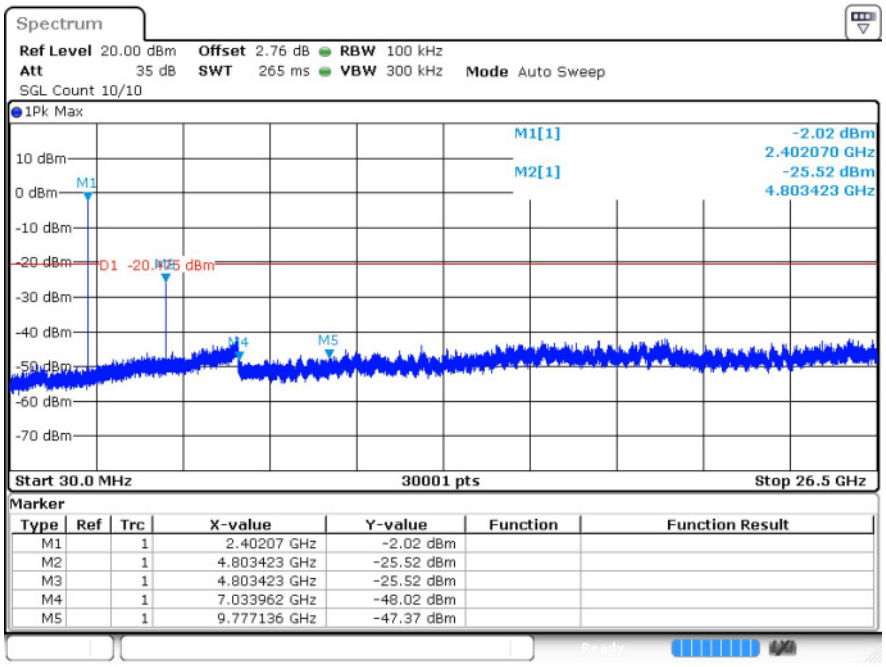
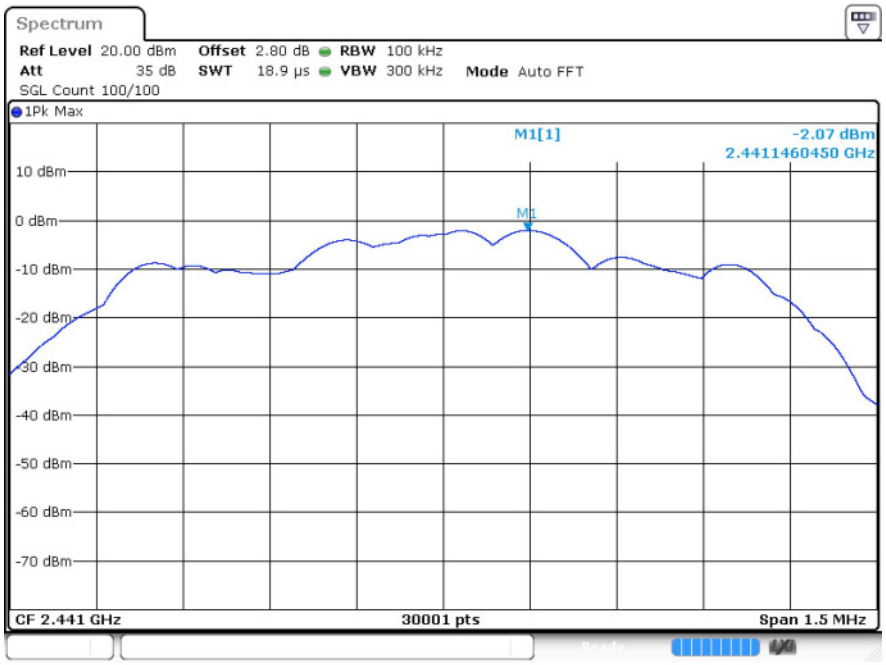
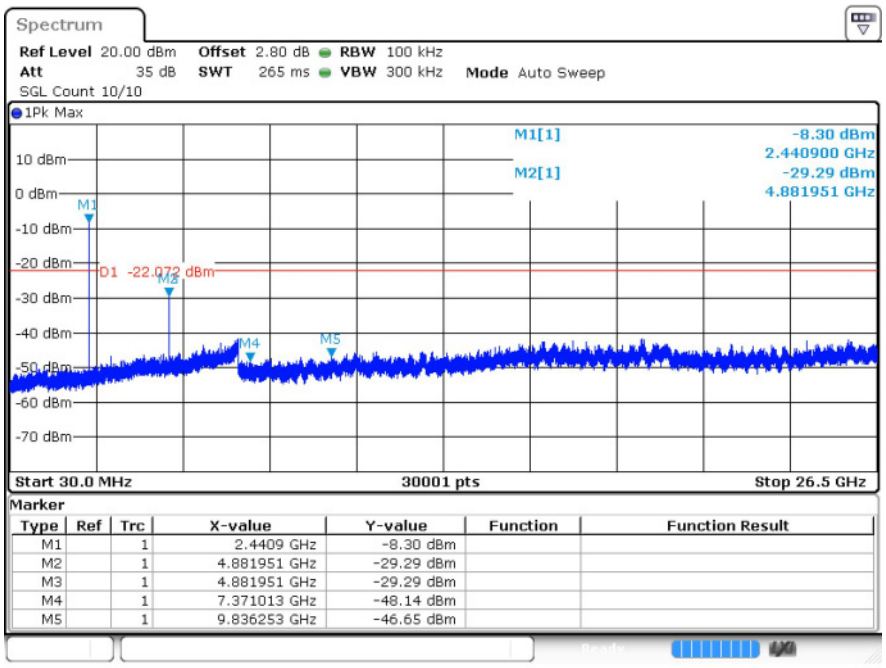
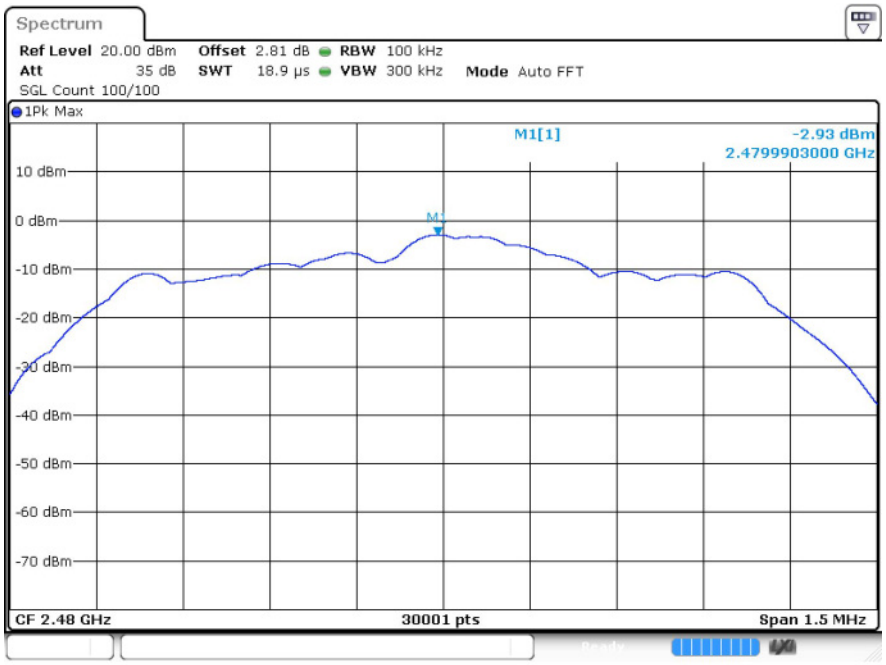
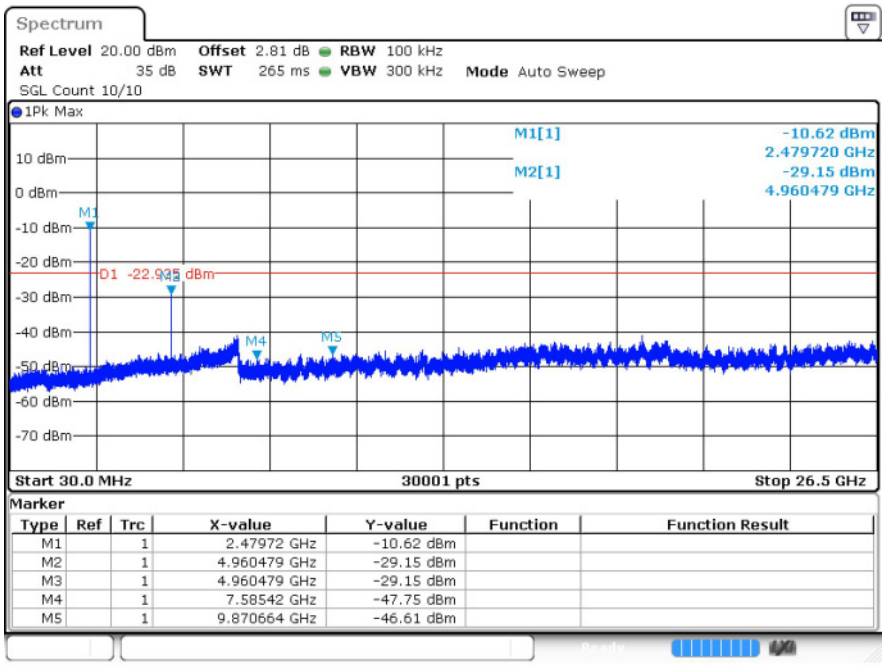
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

8DPSK_HCH_Graphs	
Pref	
Puw	

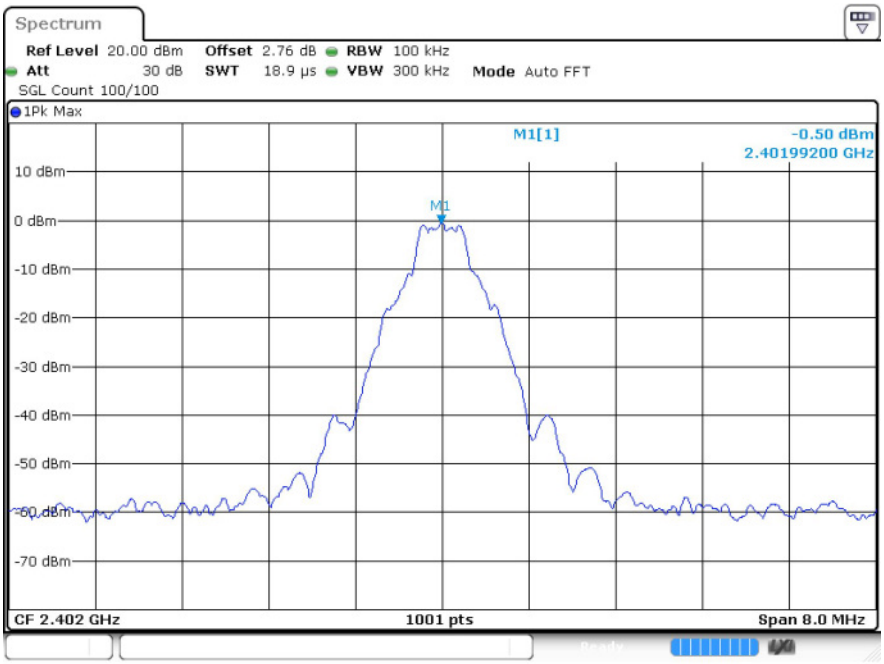
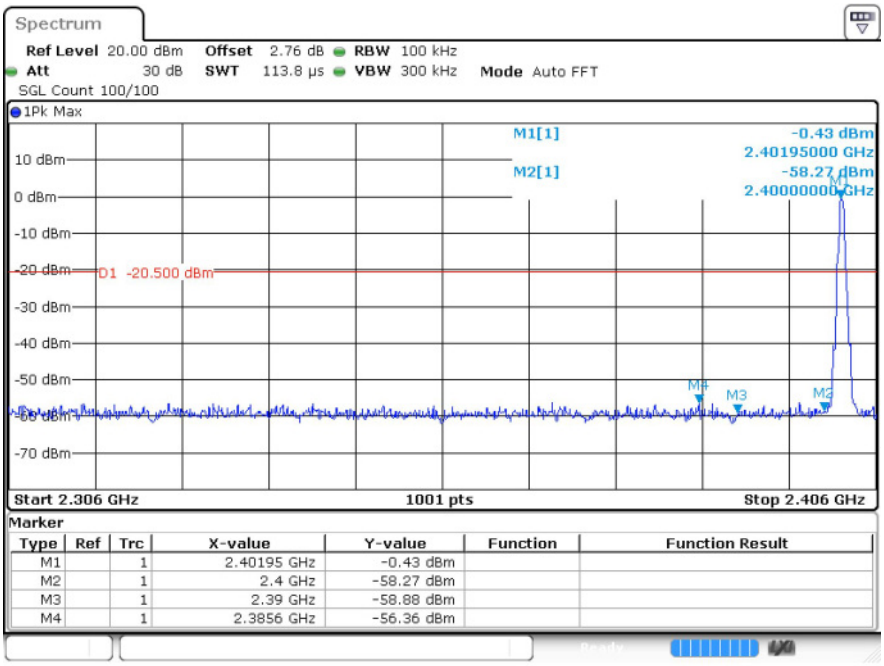
8 Band-edge for RF Conducted Emissions

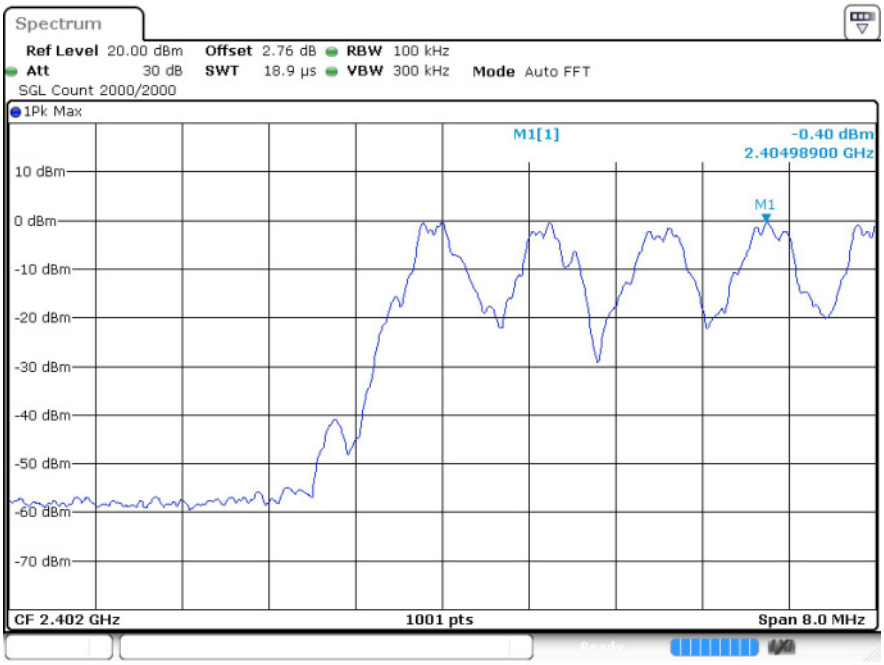
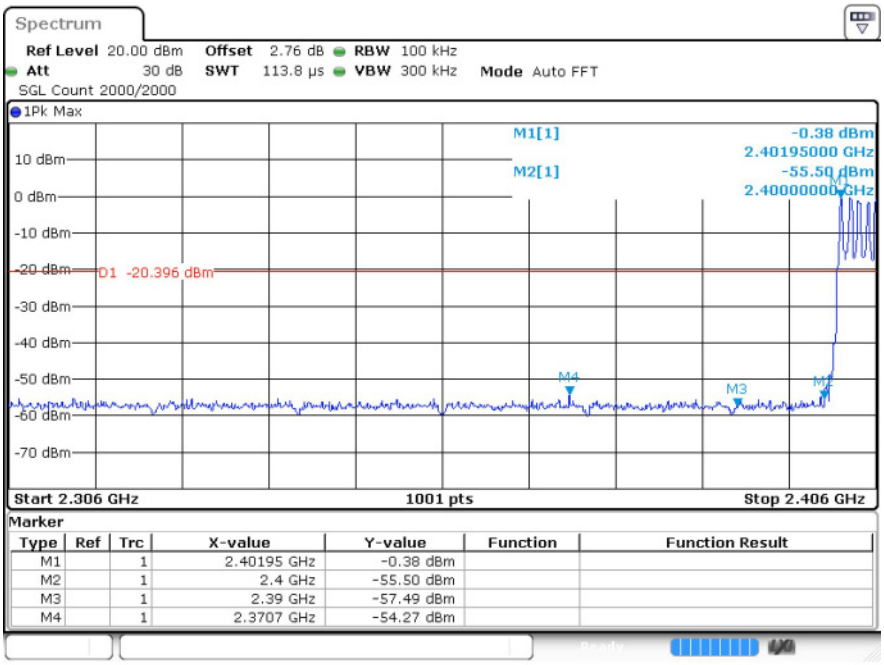
8.1 Test Result

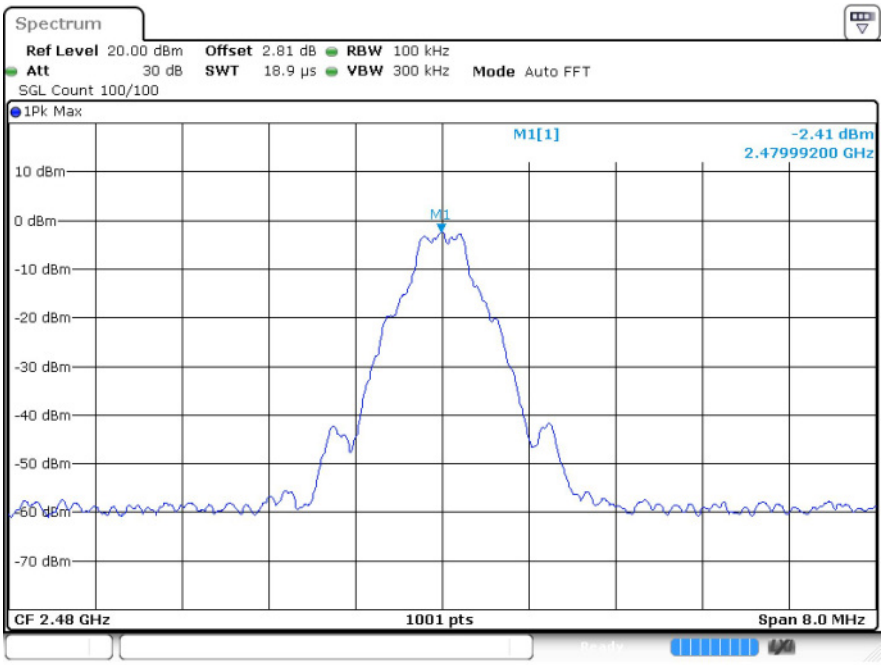
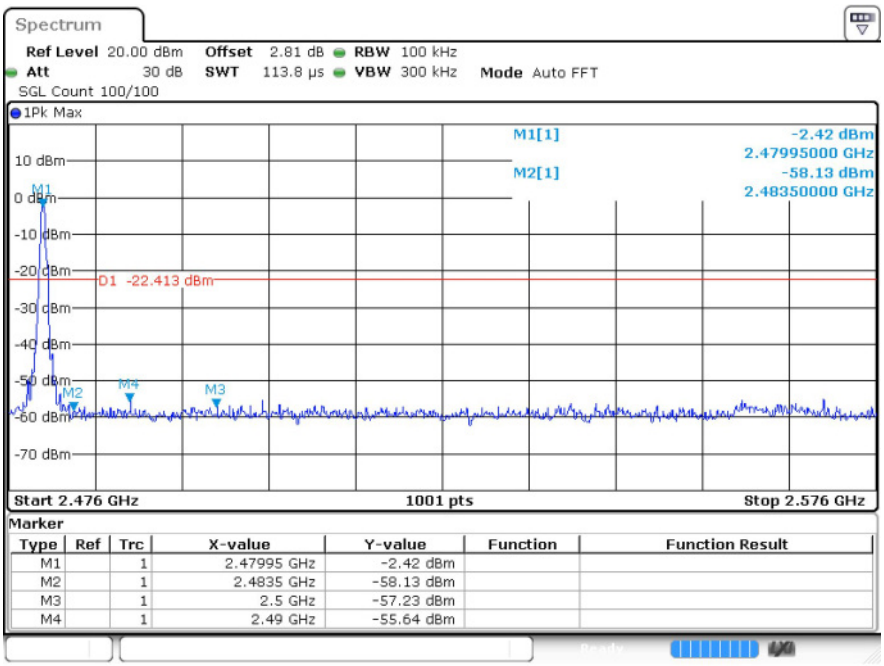
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-55.86	-20	Pass
			On	-53.86	-20	Pass
	HCH	2480	Off	-53.23	-20	Pass
			On	-52.4	-20	Pass
π/4DQPSK	LCH	2402	Off	-55.24	-20	Pass
			On	-53.87	-20	Pass
	HCH	2480	Off	-54.5	-20	Pass
			On	-52.45	-20	Pass
8DPSK	LCH	2402	Off	-55.96	-20	Pass
			On	-54.75	-20	Pass
	HCH	2480	Off	-53.78	-20	Pass
			On	-52.12	-20	Pass

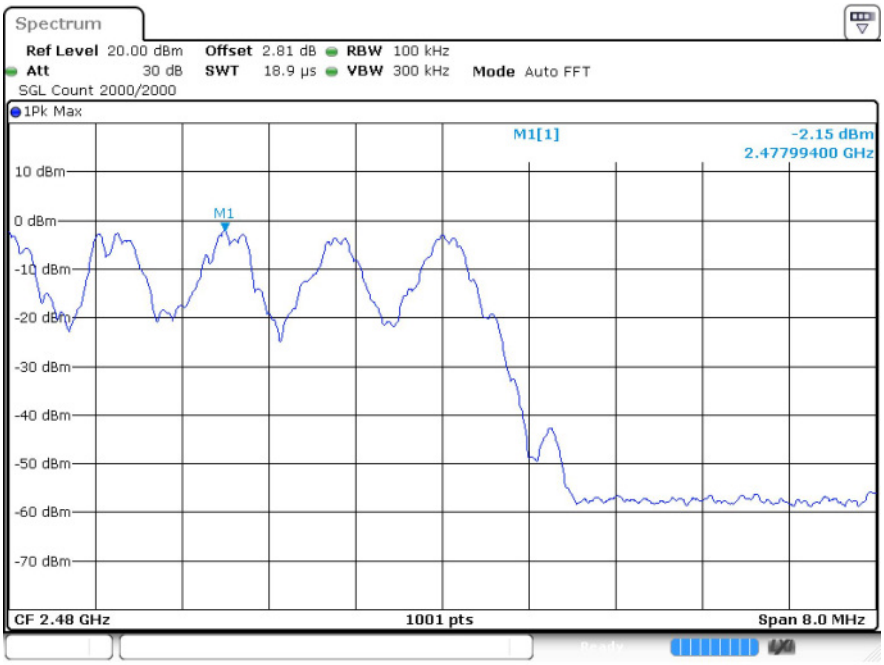
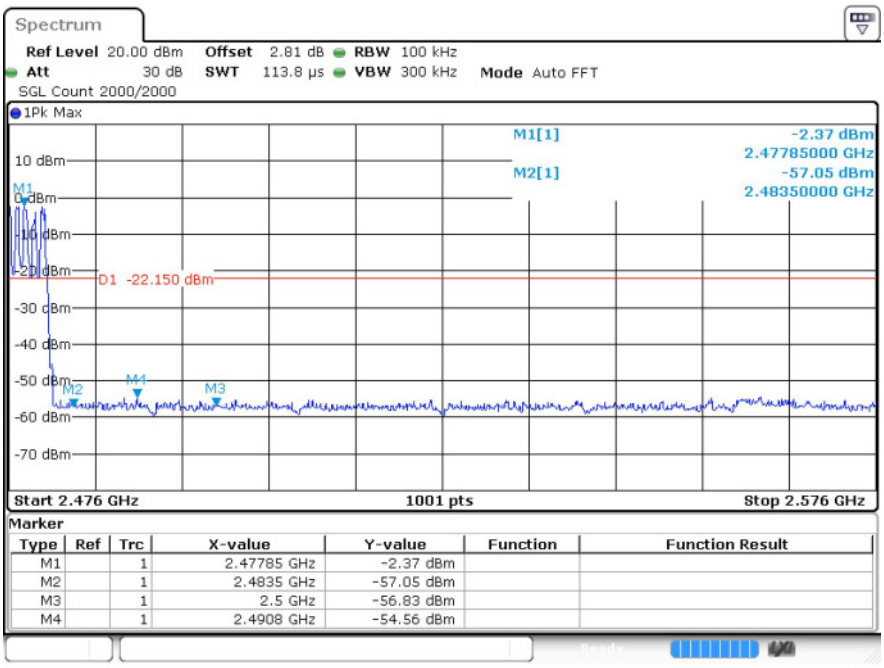
Note: Left and Right ears have been tested. The data from the Left ear is the worst, only showing the worst case mode.

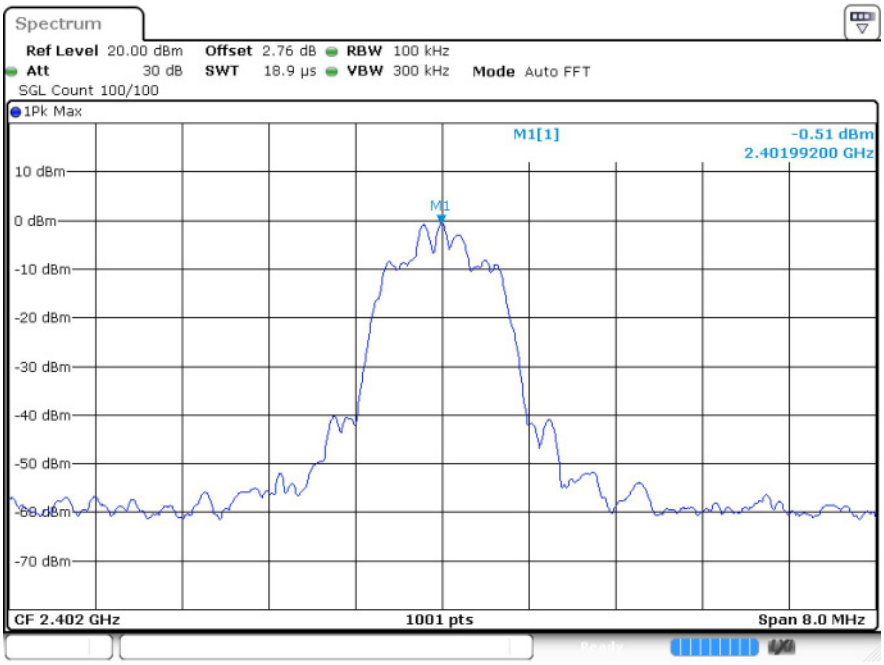
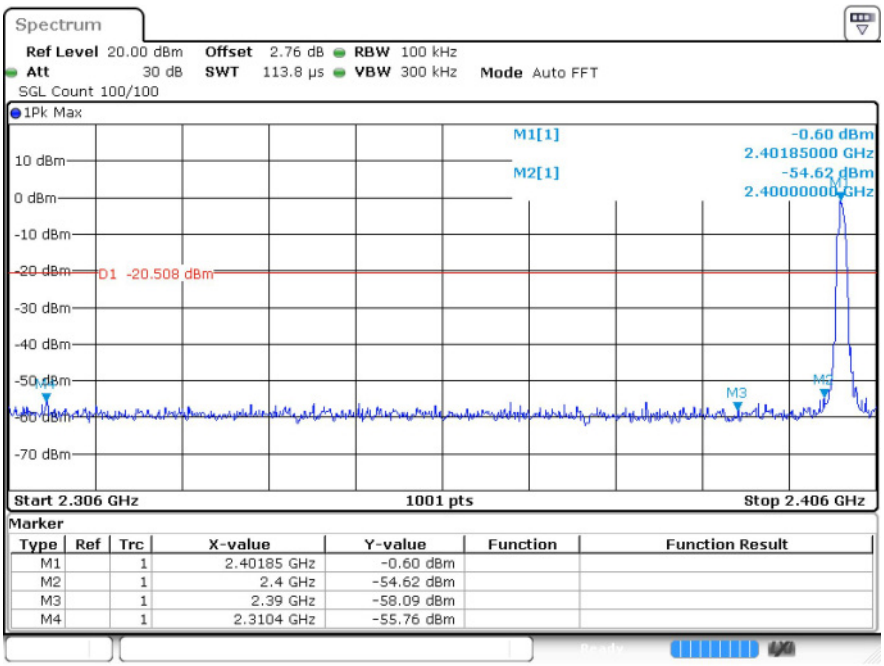
8.2 Test Graphs

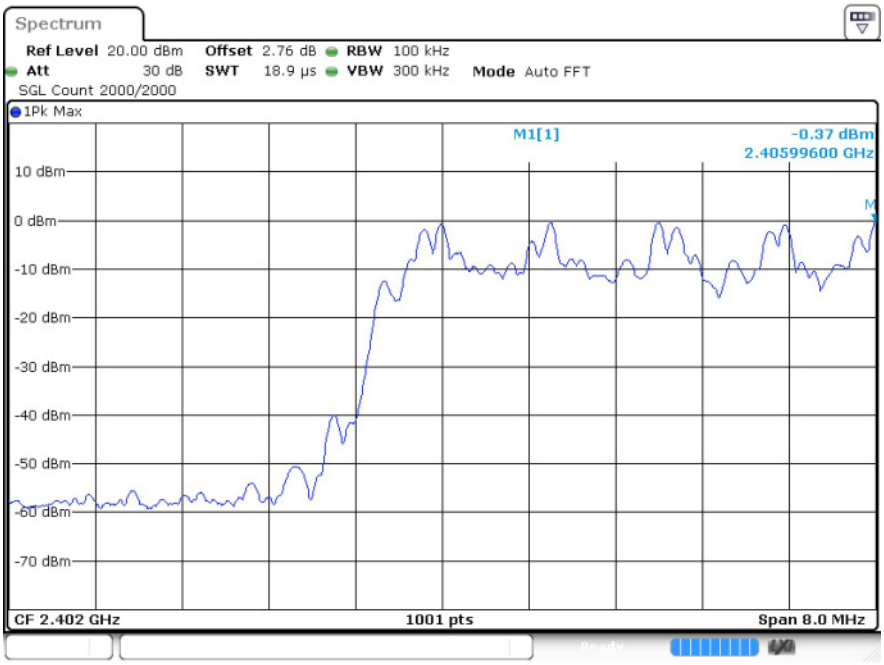
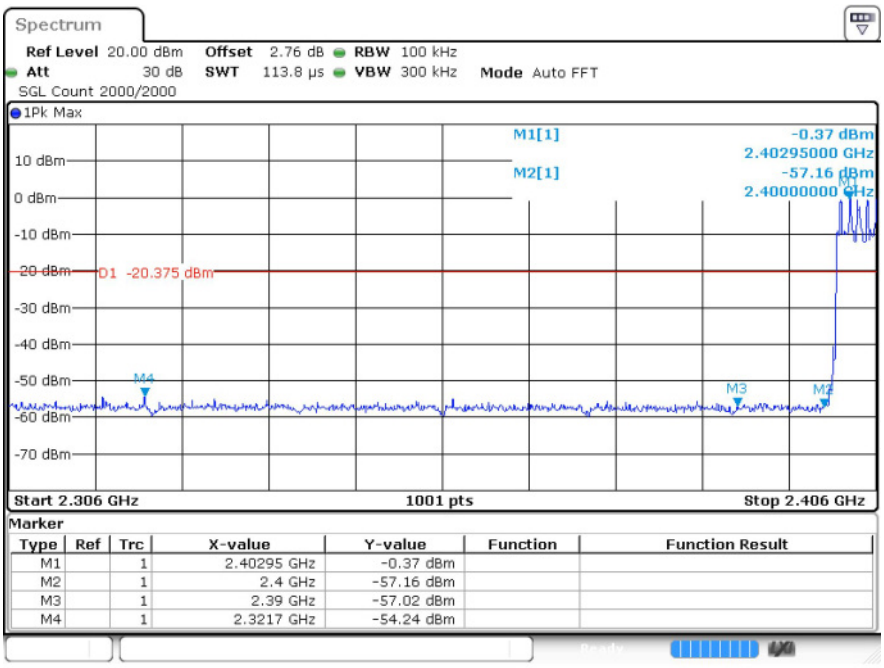
Test Graphs	
Pref	
GFSK/LCH/No Hop	

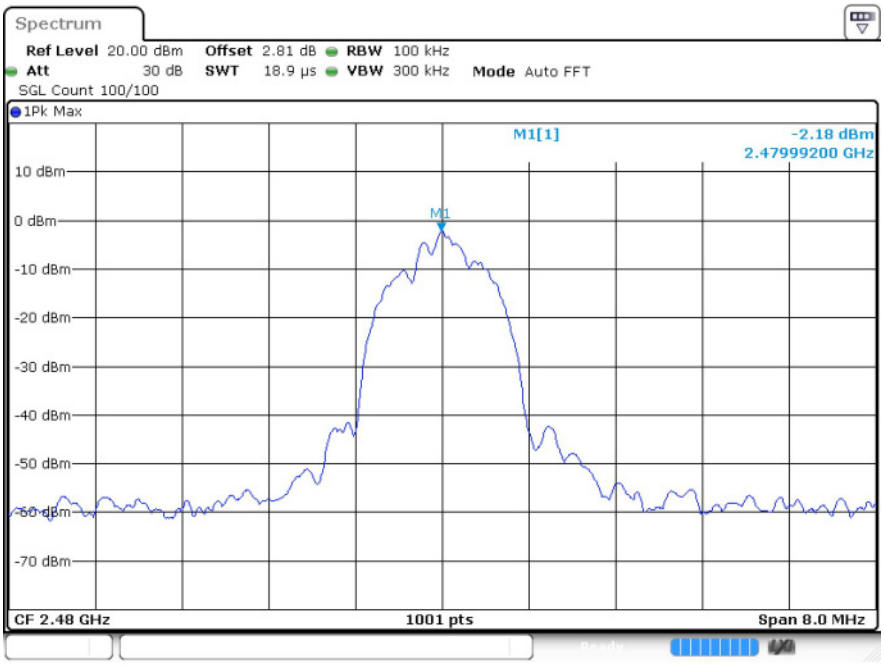
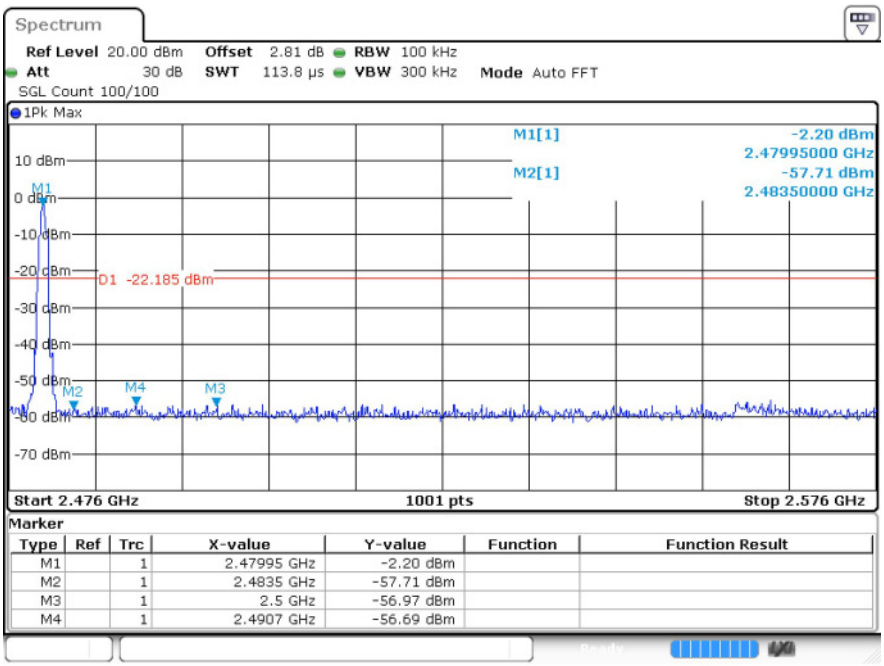
Ref	
GFSK/LCH/Hop	

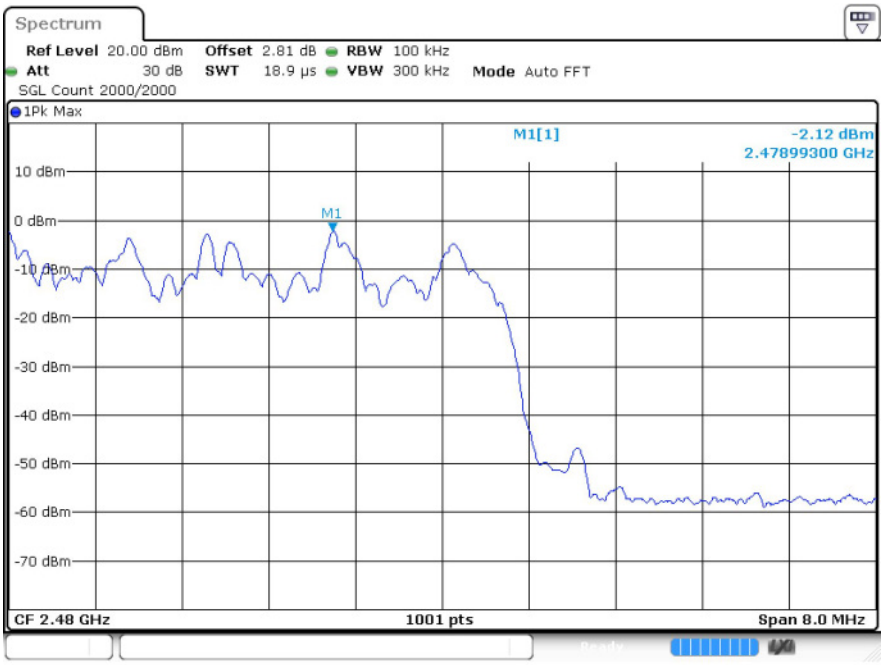
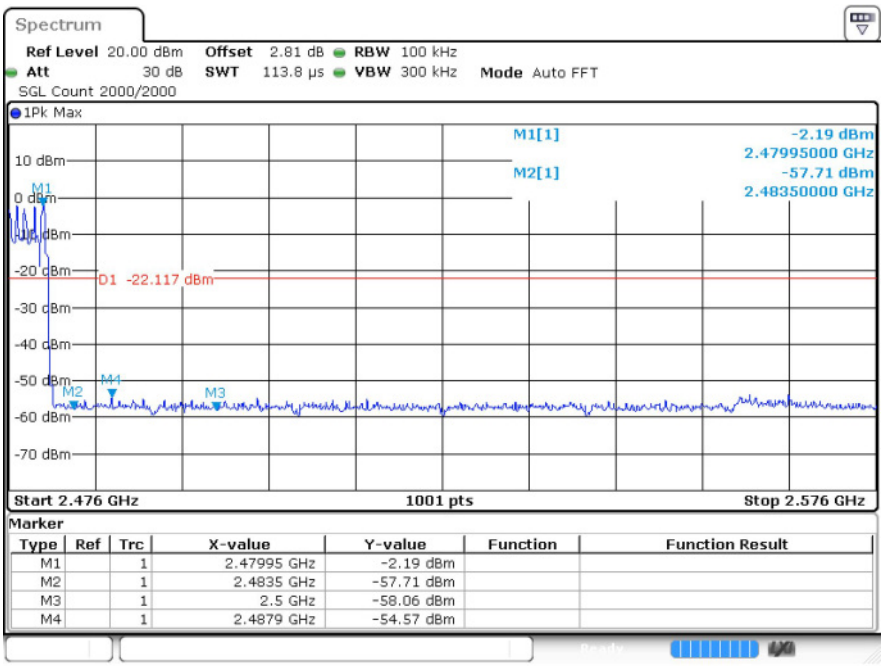
Ref	
GFSK/HCH/No Hop	

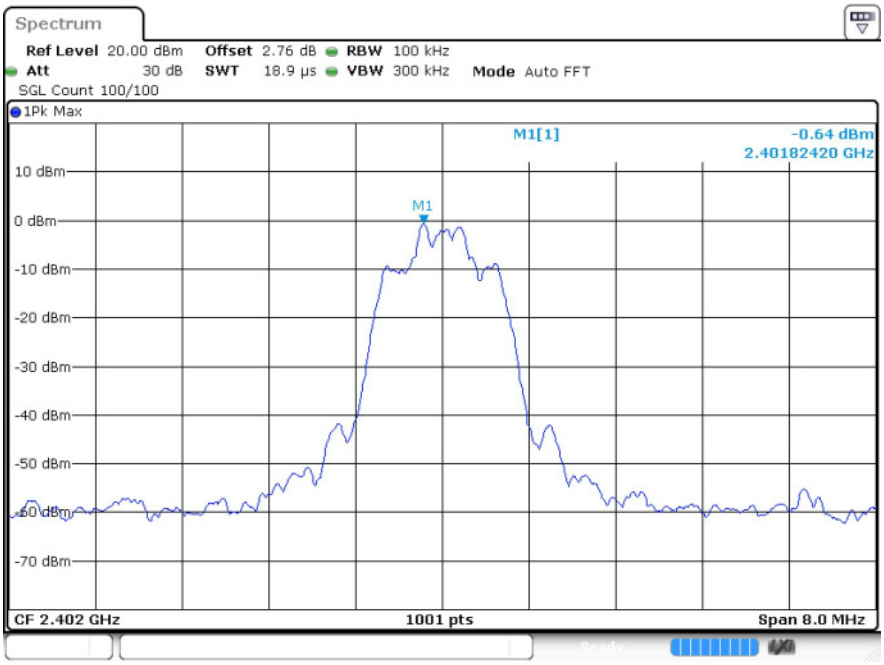
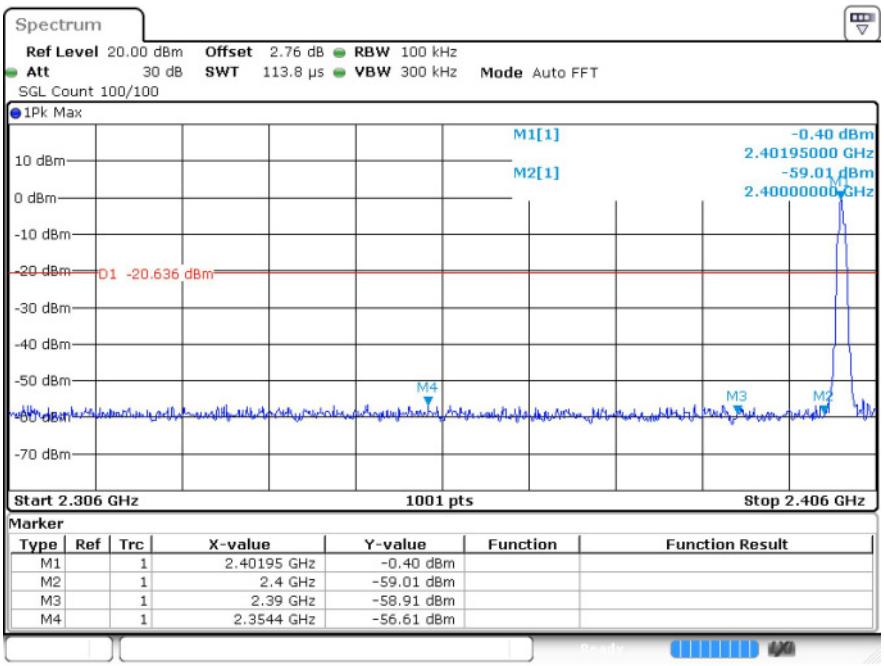
Ref.	
GFSK/HCH/Hop	

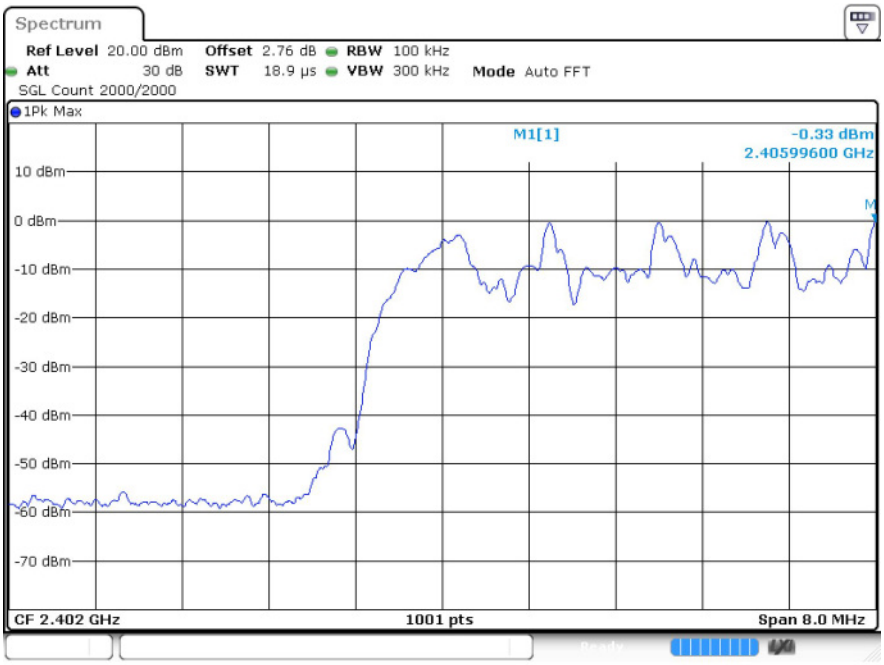
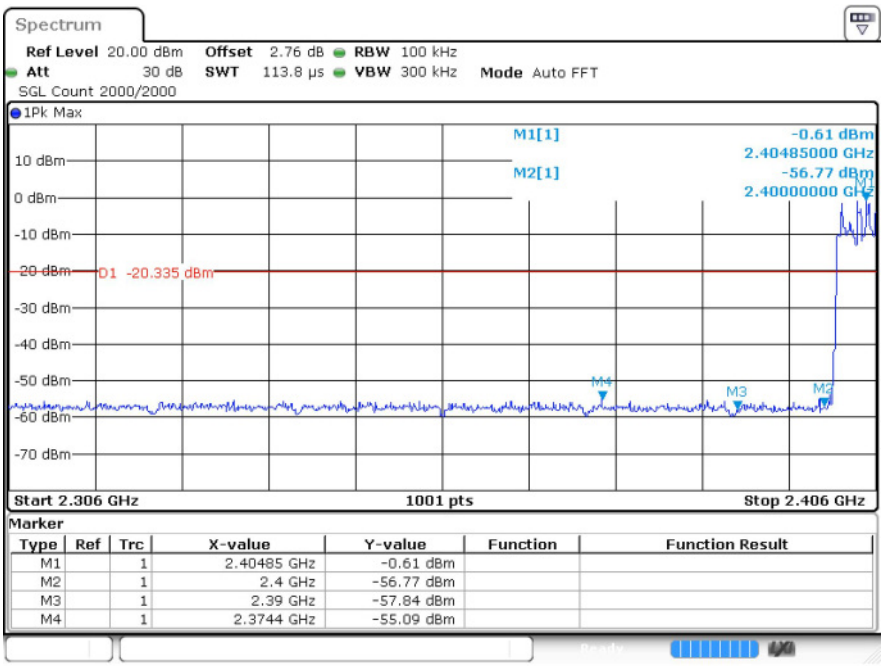
Ref	
π/4DQPSK/LCH/No Hop	

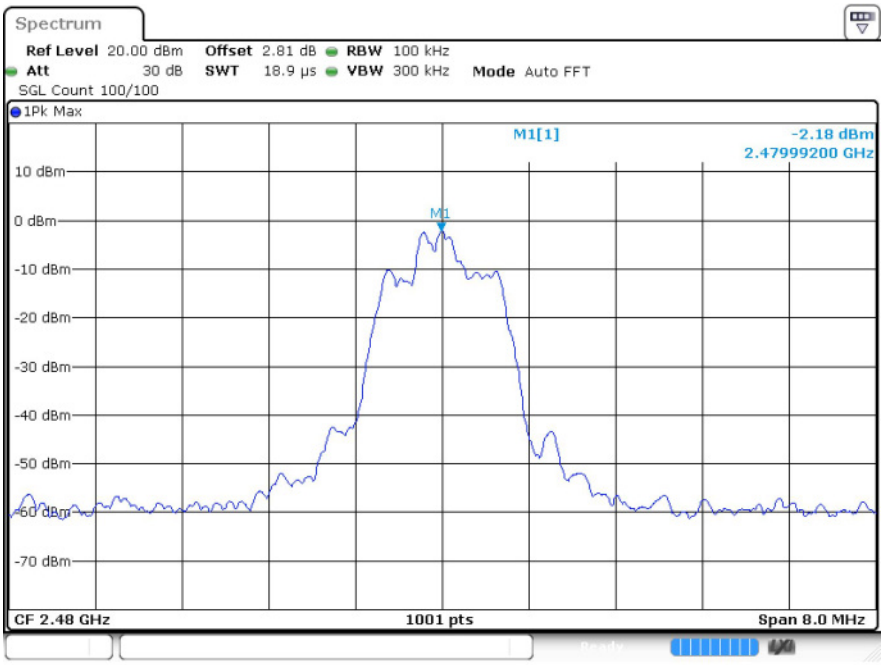
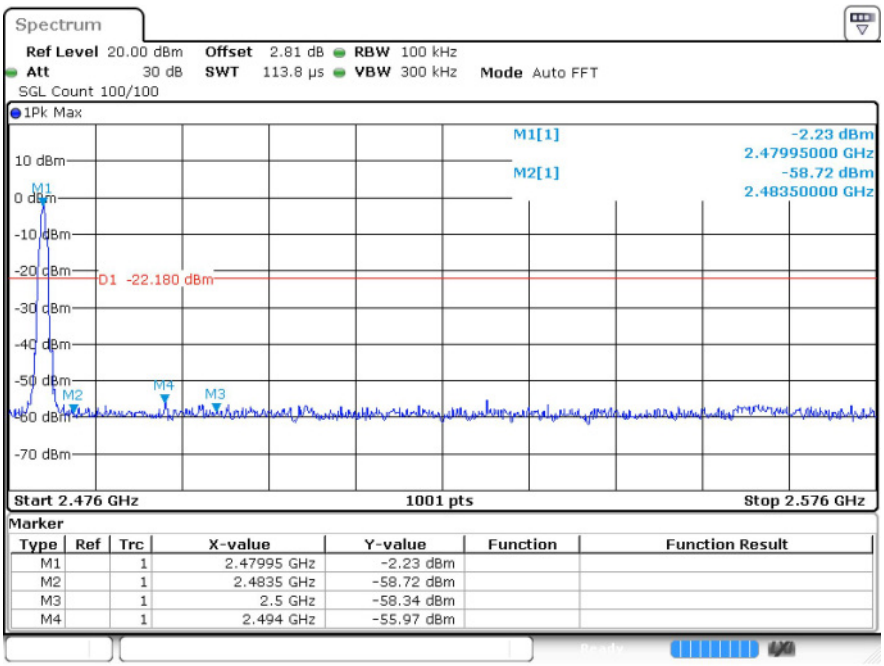
Ref	
π/4DQPSK/LCH/Hop	

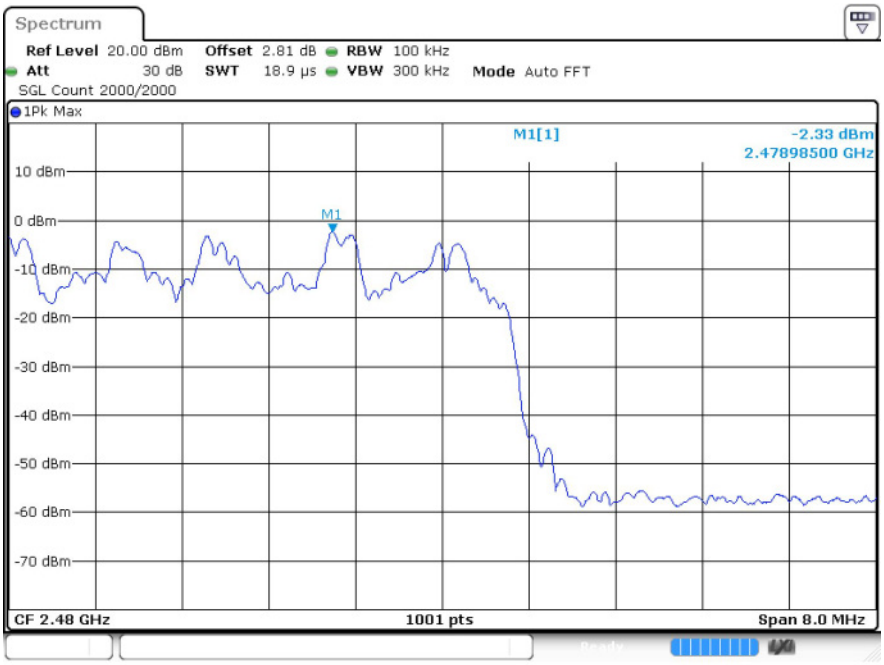
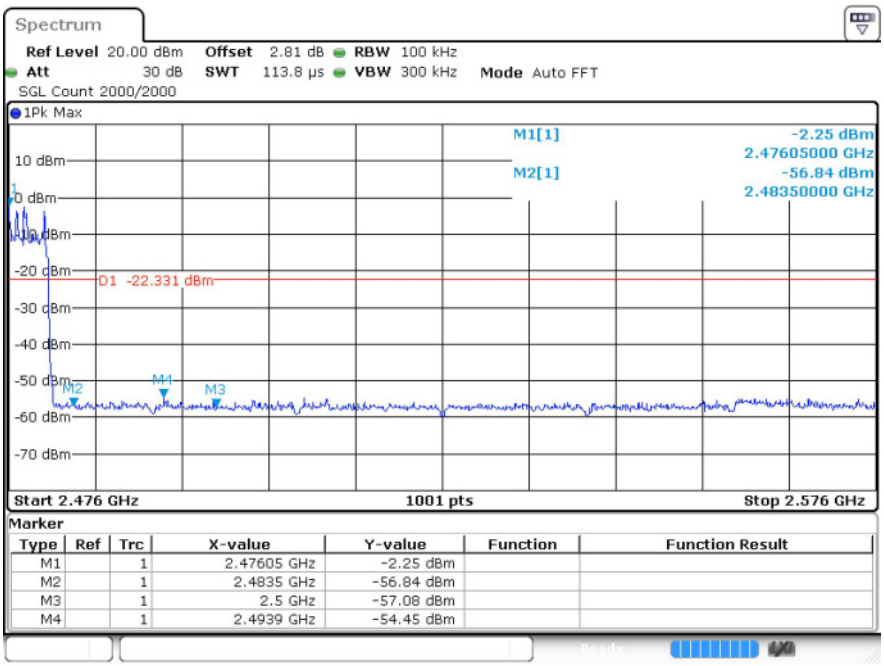
Ref	
π/4DQPSK/HCH/No Hop	

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

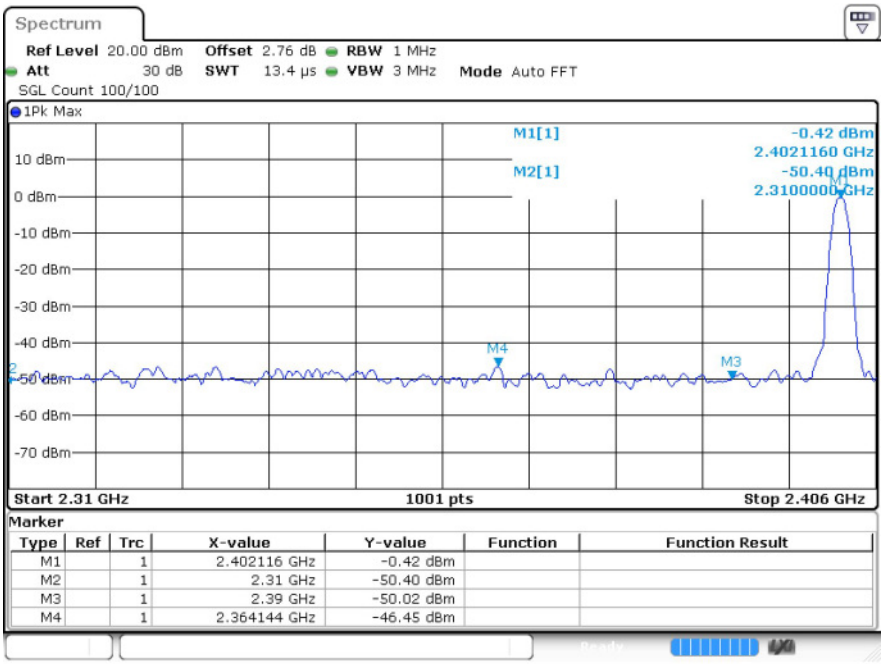
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-50.4	2.48	-	47.34	PEAK	74	Pass
	Off	2310.0	-56.78	2.48	4.74	45.7	AV	54	Pass
	Off	2364.144	-46.45	2.48	-	51.29	PEAK	74	Pass
	Off	2340.816	-54.64	2.48	4.74	47.84	AV	54	Pass
	Off	2390.0	-50.02	2.48	-	47.72	PEAK	74	Pass
	Off	2390.0	-56.57	2.48	4.74	45.91	AV	54	Pass
	Off	2483.5	-47.9	2.48	-	49.84	PEAK	74	Pass
	Off	2483.5	-56.06	2.48	4.74	46.42	AV	54	Pass
	Off	2489.632	-47.74	2.48	-	50	PEAK	74	Pass
	Off	2499.76	-55.59	2.48	4.74	46.89	AV	54	Pass
	Off	2500.0	-49.37	2.48	-	48.37	PEAK	74	Pass
	Off	2500.0	-55.67	2.48	4.74	46.81	AV	54	Pass
π/4DQPSK	Off	2310.0	-52.4	2.48	-	45.34	PEAK	74	Pass
	Off	2310.0	-56.58	2.48	4.64	45.8	AV	54	Pass
	Off	2340.528	-45.69	2.48	-	52.05	PEAK	74	Pass
	Off	2338.896	-54.16	2.48	4.64	48.22	AV	54	Pass
	Off	2390.0	-49.68	2.48	-	48.06	PEAK	74	Pass
	Off	2390.0	-57.76	2.48	4.64	44.62	AV	54	Pass
	Off	2483.5	-49.01	2.48	-	48.73	PEAK	74	Pass
	Off	2483.5	-56.81	2.48	4.74	45.67	AV	54	Pass
	Off	2496.712	-46.4	2.48	-	51.34	PEAK	74	Pass
	Off	2485.96	-55.7	2.48	4.74	46.78	AV	54	Pass
	Off	2500.0	-49.66	2.48	-	48.08	PEAK	74	Pass
	Off	2500.0	-57.04	2.48	4.74	45.44	AV	54	Pass
8DPSK	Off	2310.0	-49.7	2.48	-	48.04	PEAK	74	Pass
	Off	2310.0	-57.17	2.48	4.64	45.21	AV	54	Pass
	Off	2352.432	-45.76	2.48	-	51.98	PEAK	74	Pass
	Off	2343.024	-54.66	2.48	4.64	47.72	AV	54	Pass

	Off	2390.0	-51.45	2.48	-	46.29	PEAK	74	Pass
	Off	2390.0	-56.23	2.48	4.64	46.15	AV	54	Pass
	Off	2483.5	-48.37	2.48	-	49.37	PEAK	74	Pass
	Off	2483.5	-56.27	2.48	4.74	46.21	AV	54	Pass
	Off	2483.752	-47.73	2.48	-	50.01	PEAK	74	Pass
	Off	2484.208	-55.41	2.48	4.74	47.07	AV	54	Pass
	Off	2500.0	-49.34	2.48	-	48.4	PEAK	74	Pass
	Off	2500.0	-56.49	2.48	4.74	45.99	AV	54	Pass

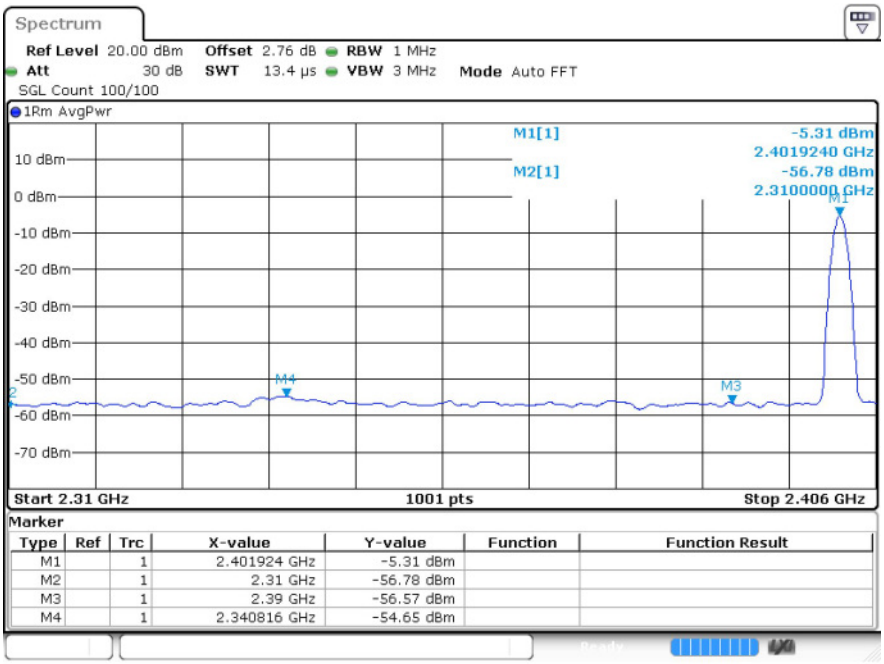
Note: Left and Right ears have been tested. The data from the Left ear is the worst, only showing the worst case mode.

9.2 Test Graphs

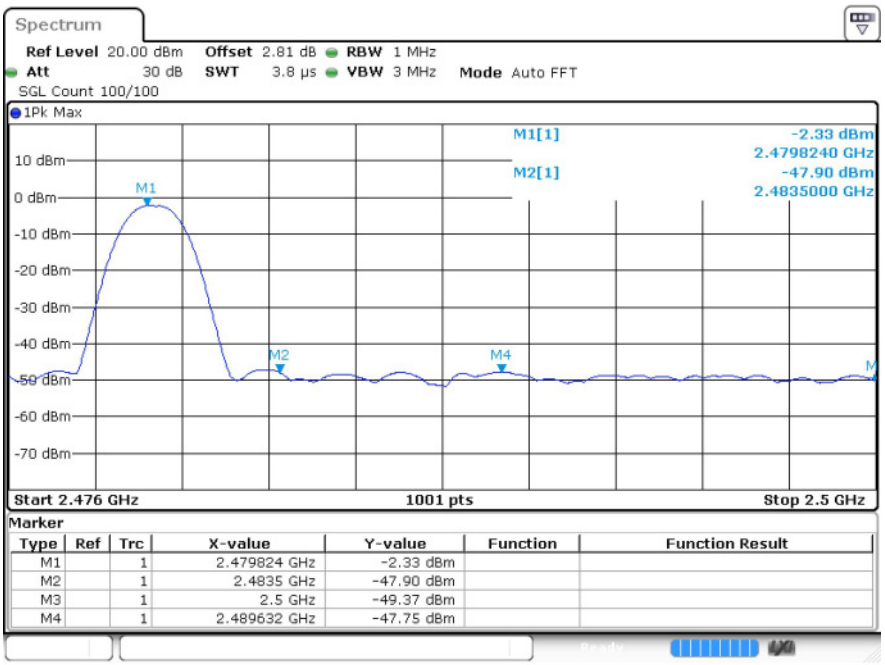
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



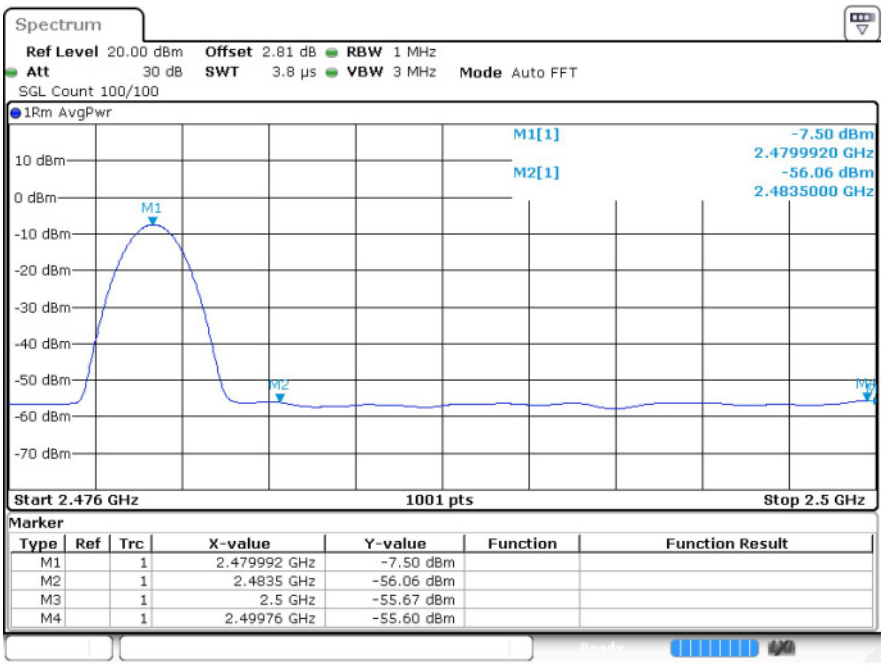
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



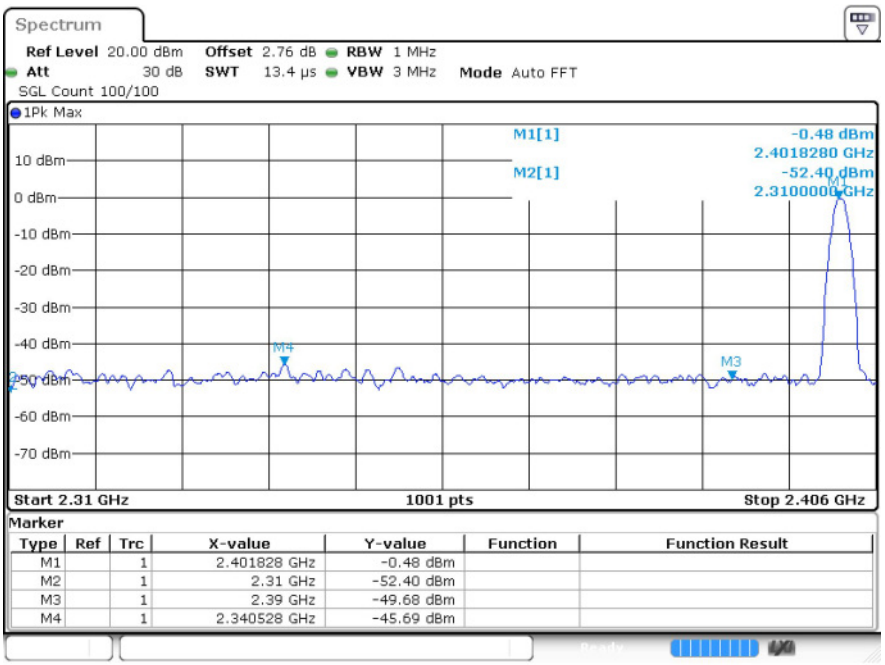
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



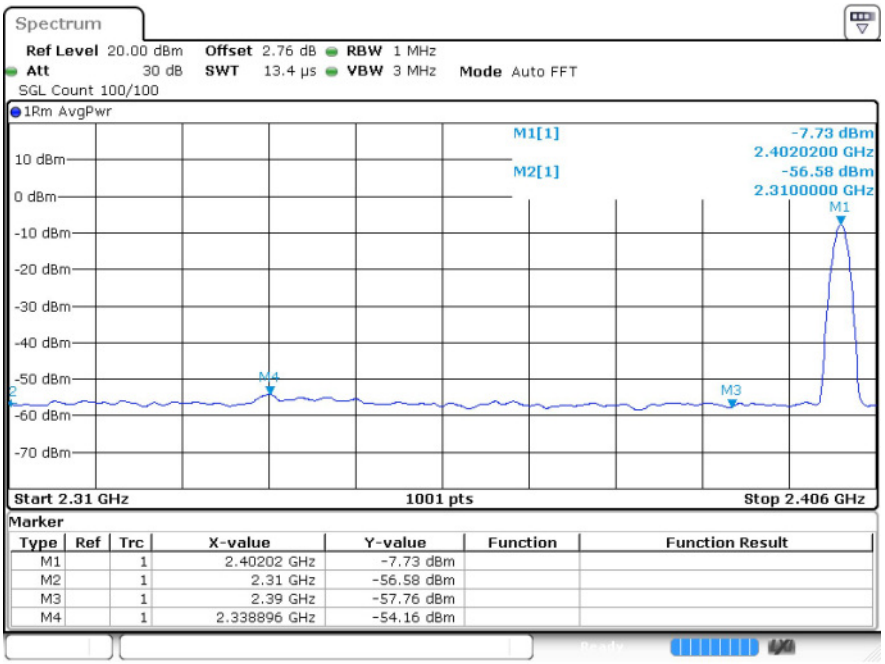
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



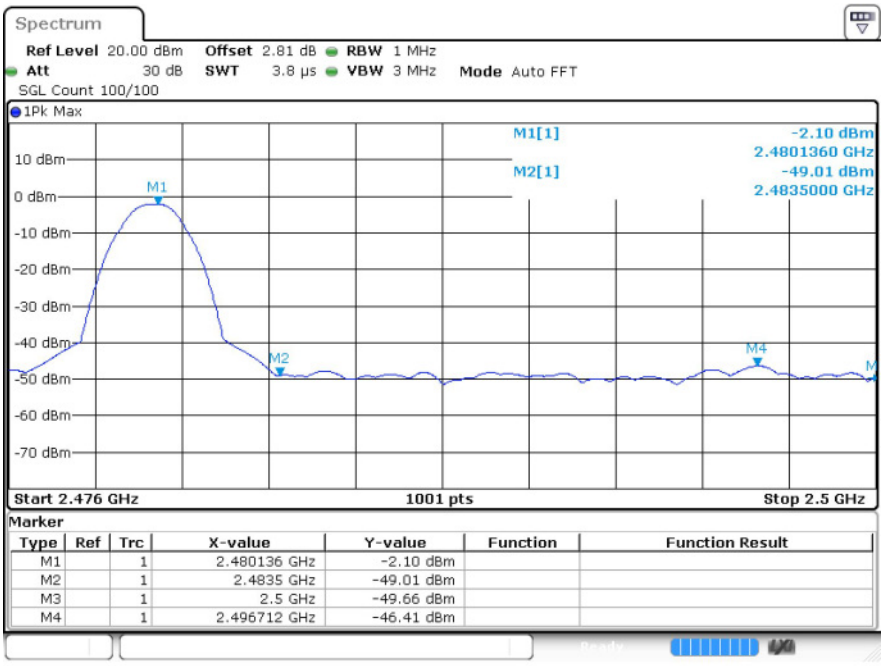
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



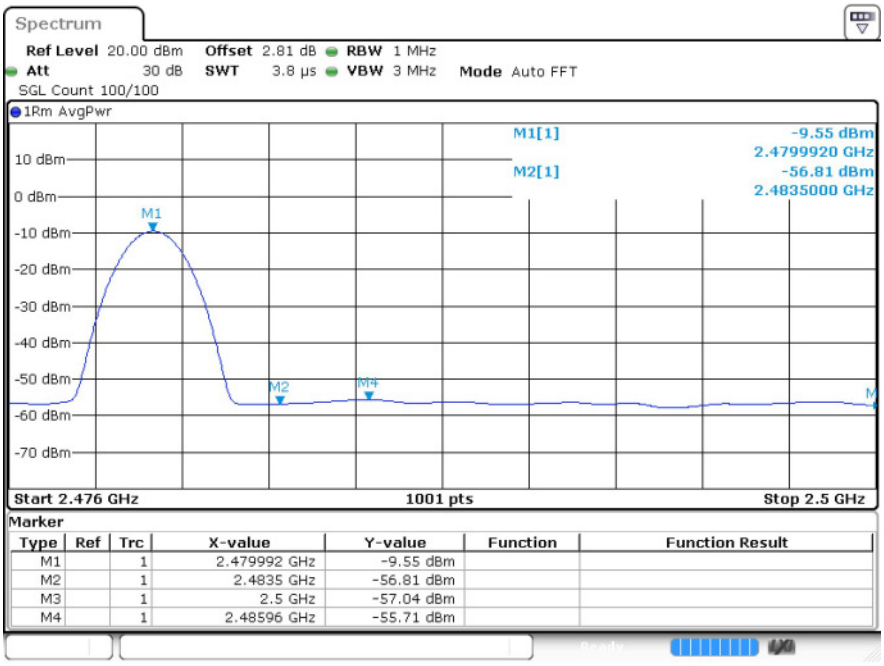
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



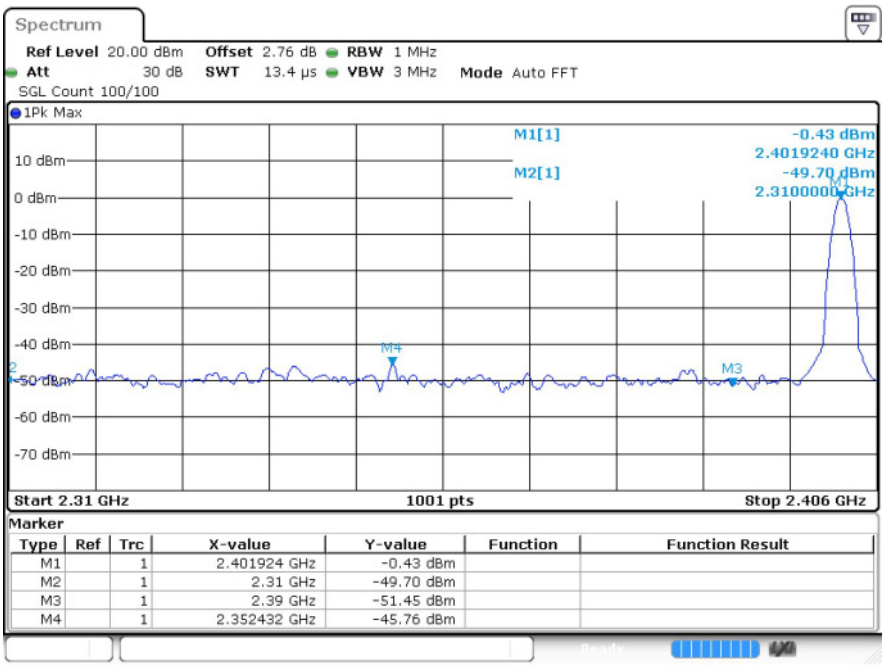
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



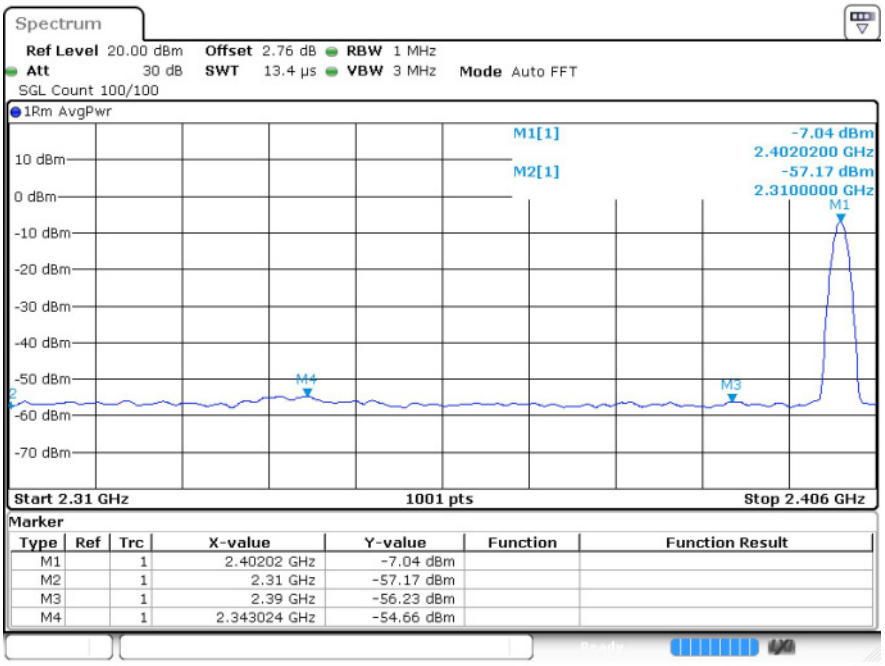
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



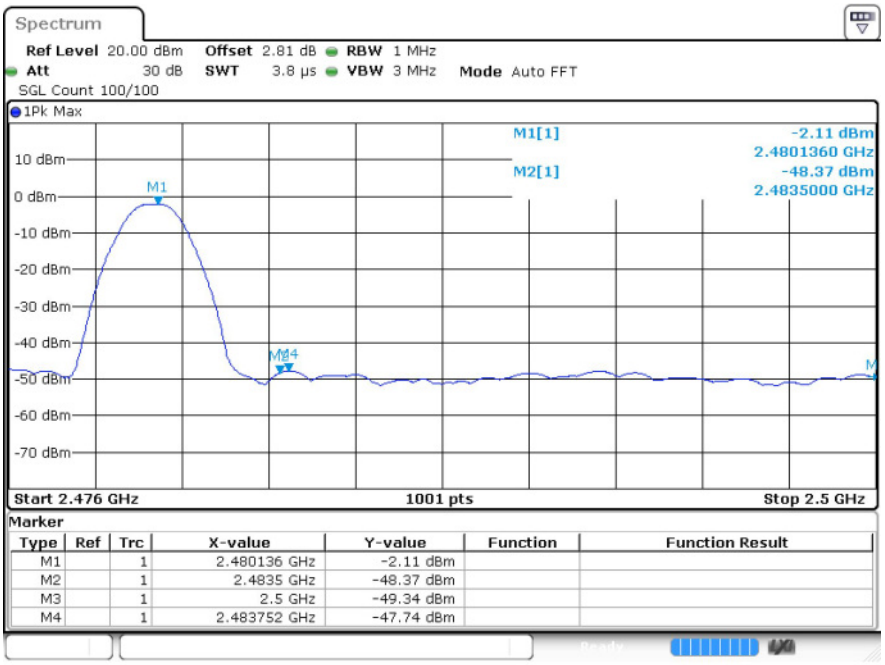
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



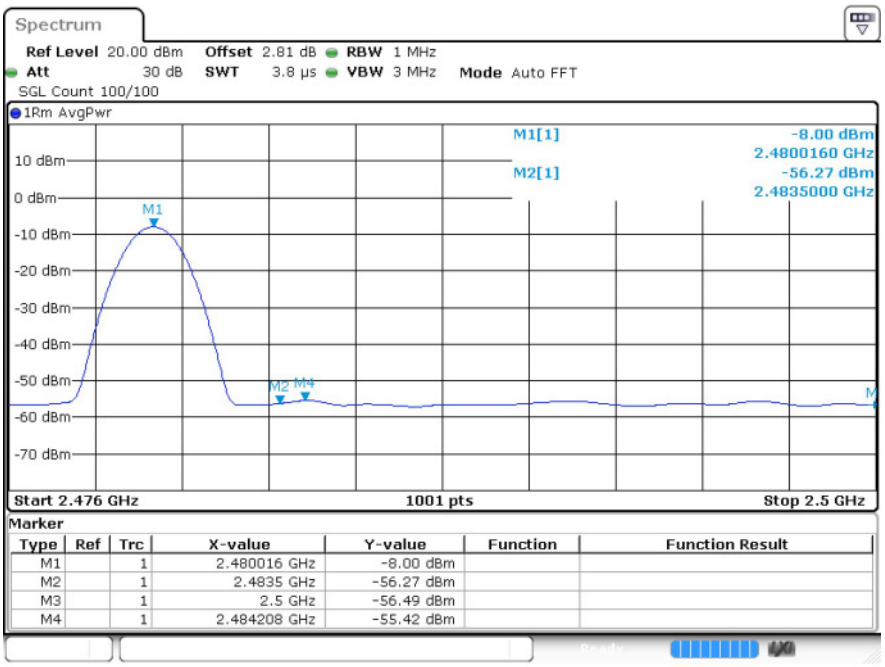
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---