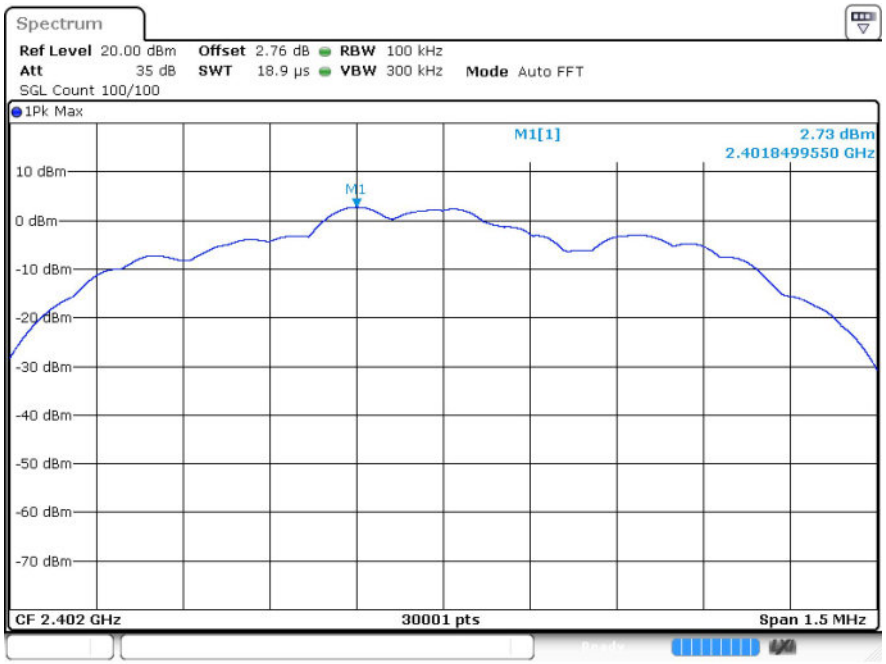
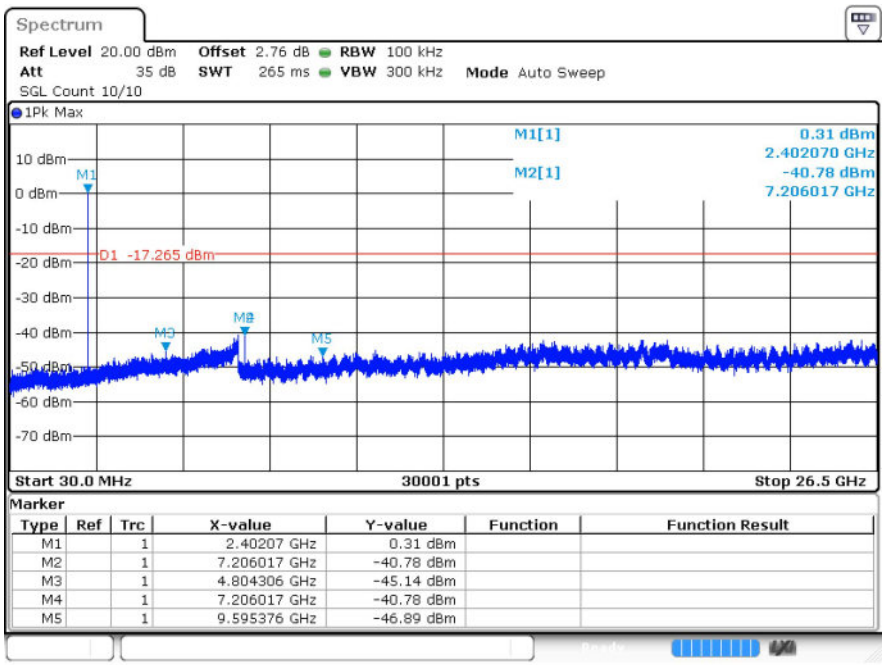
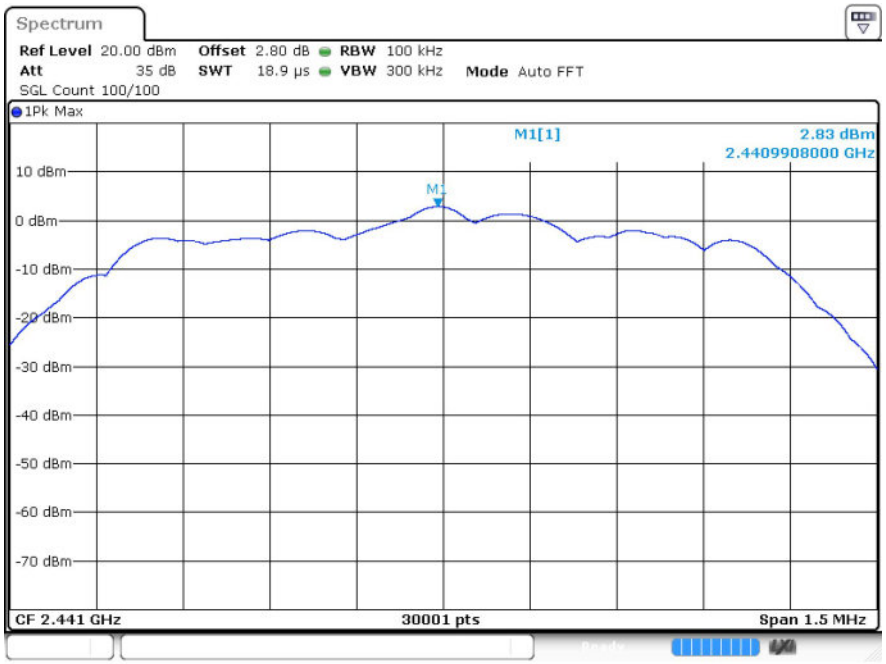
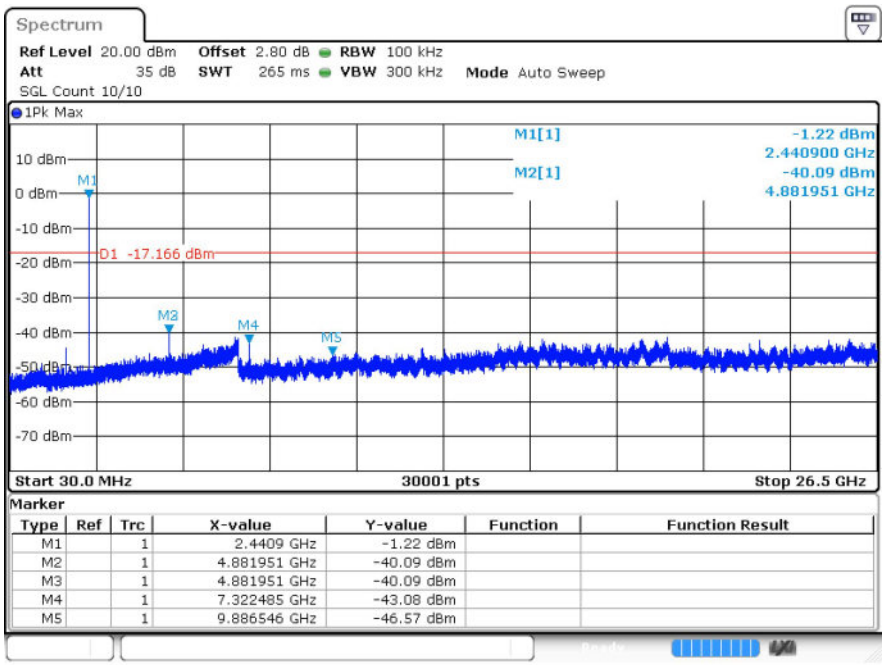
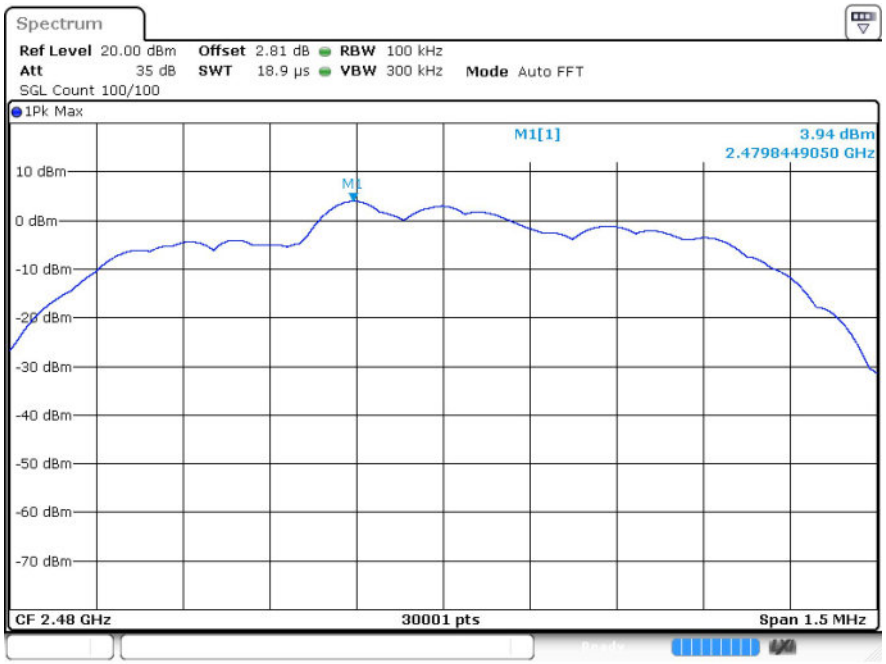
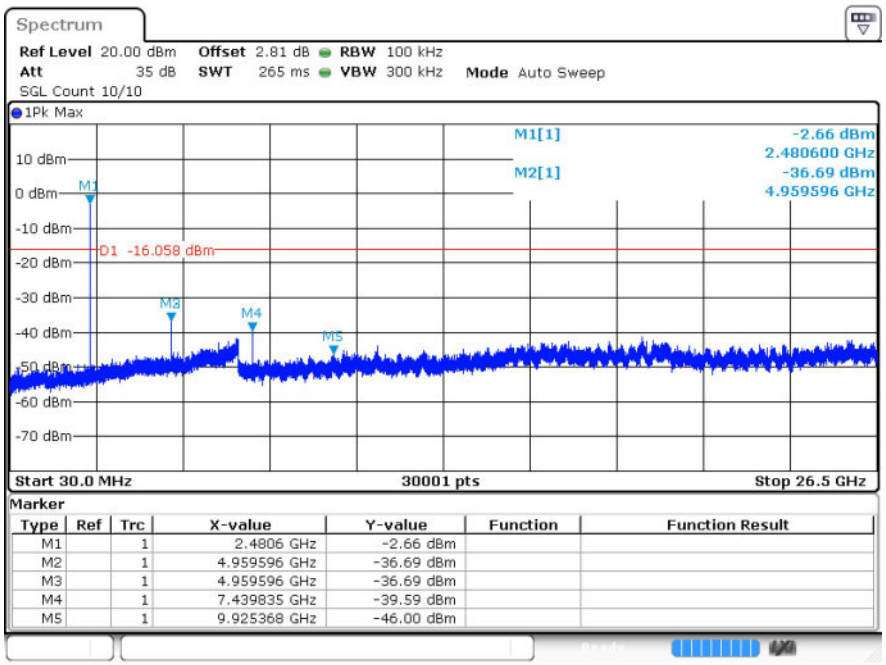
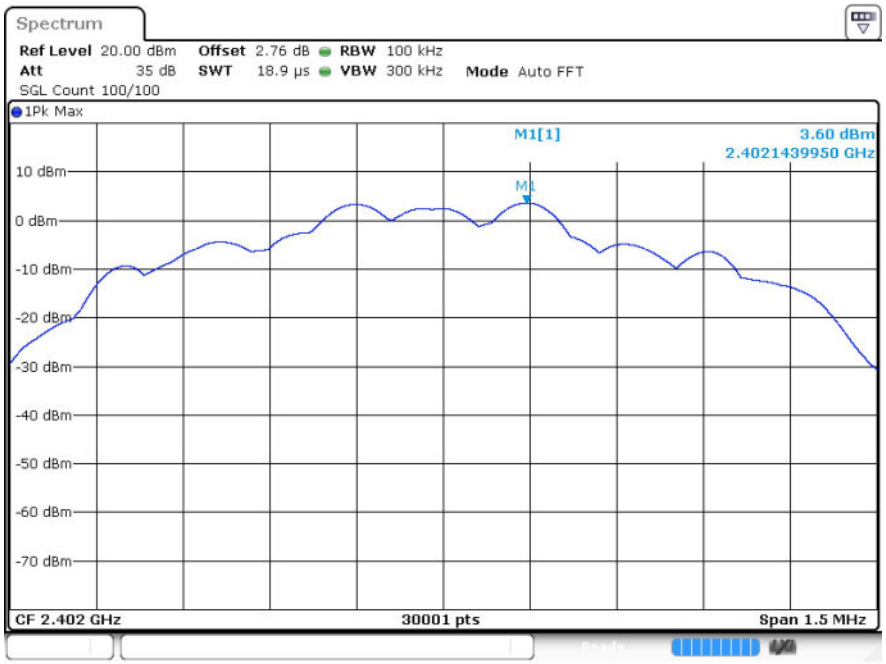
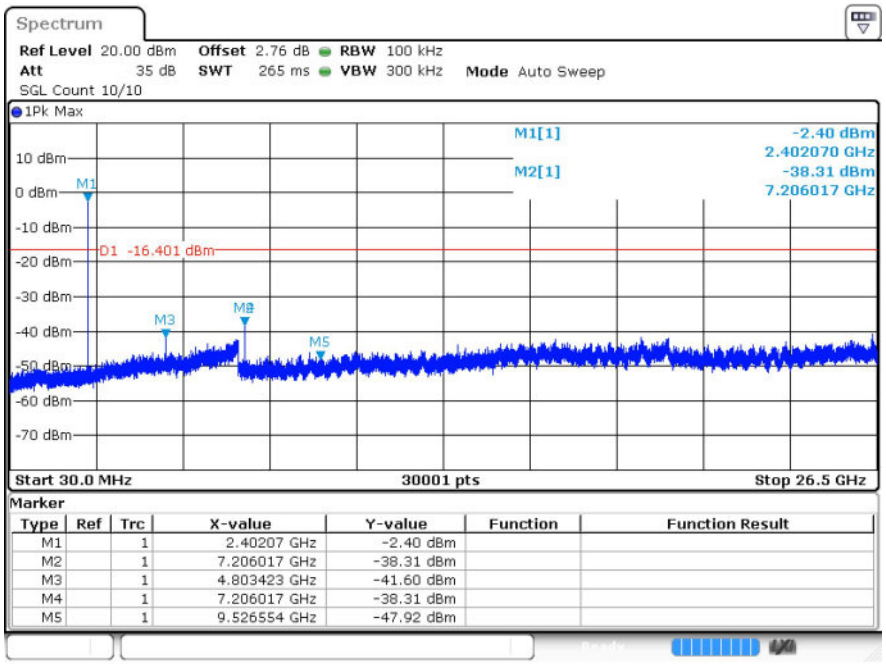
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

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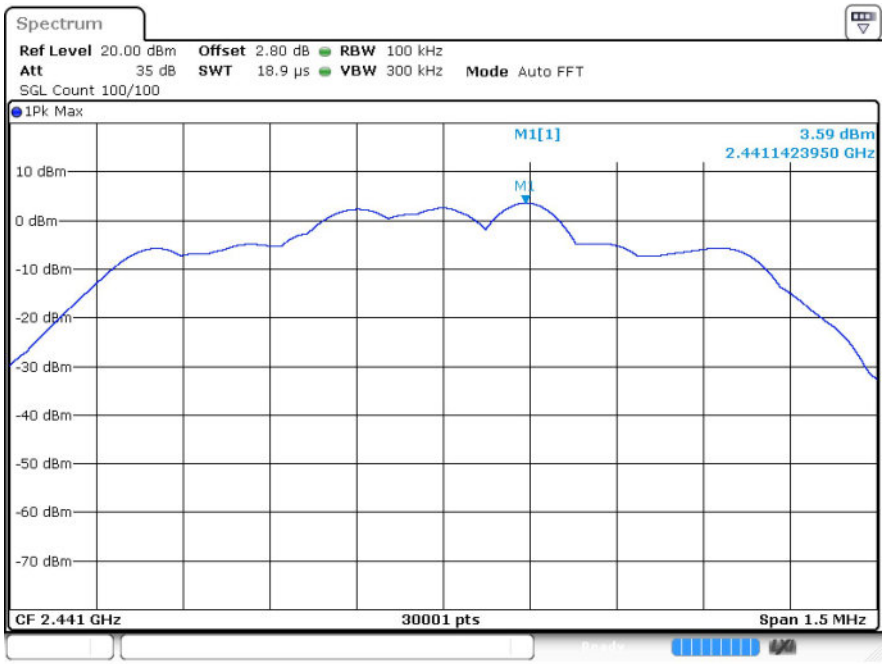
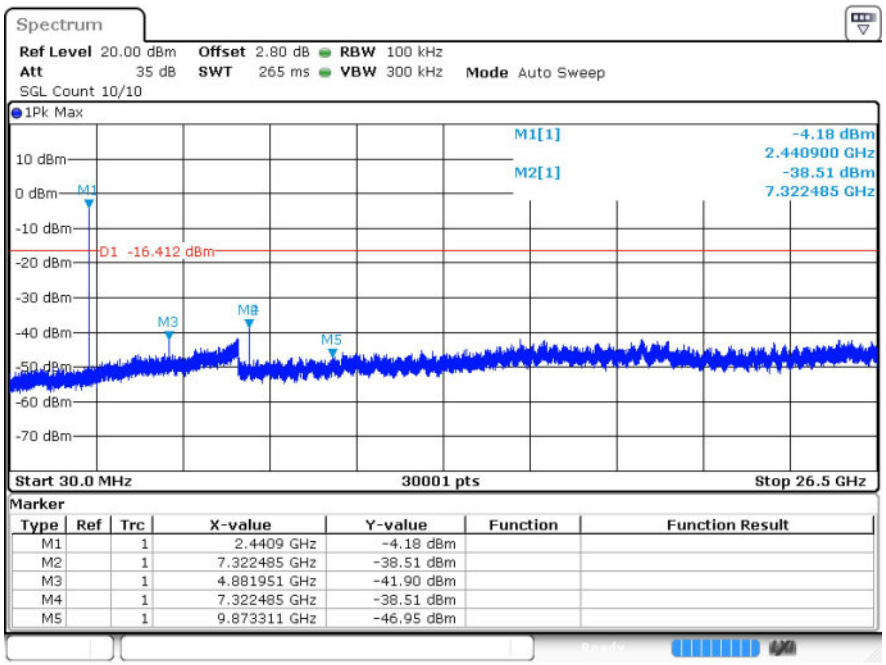
Pref	
Puw	

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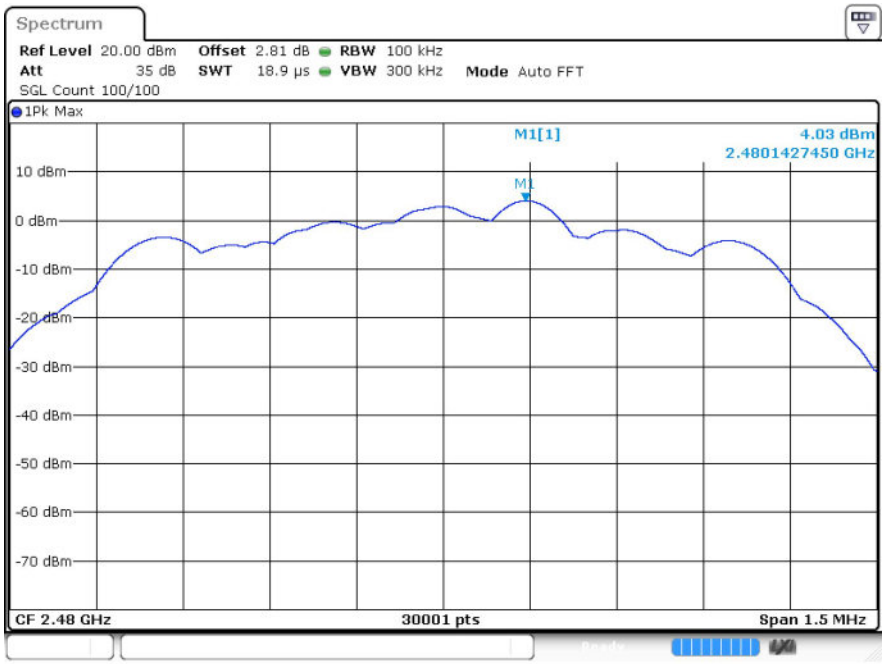
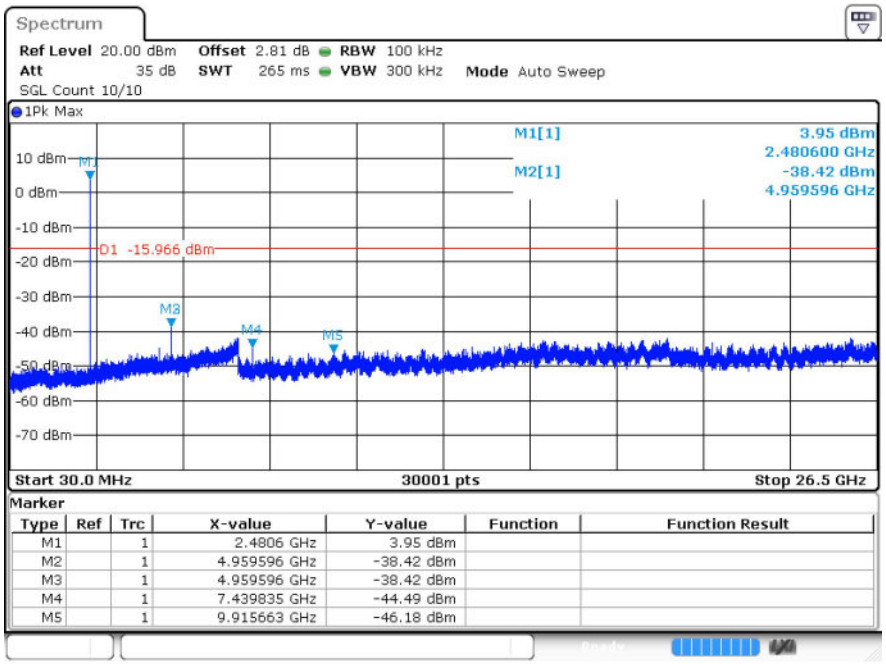
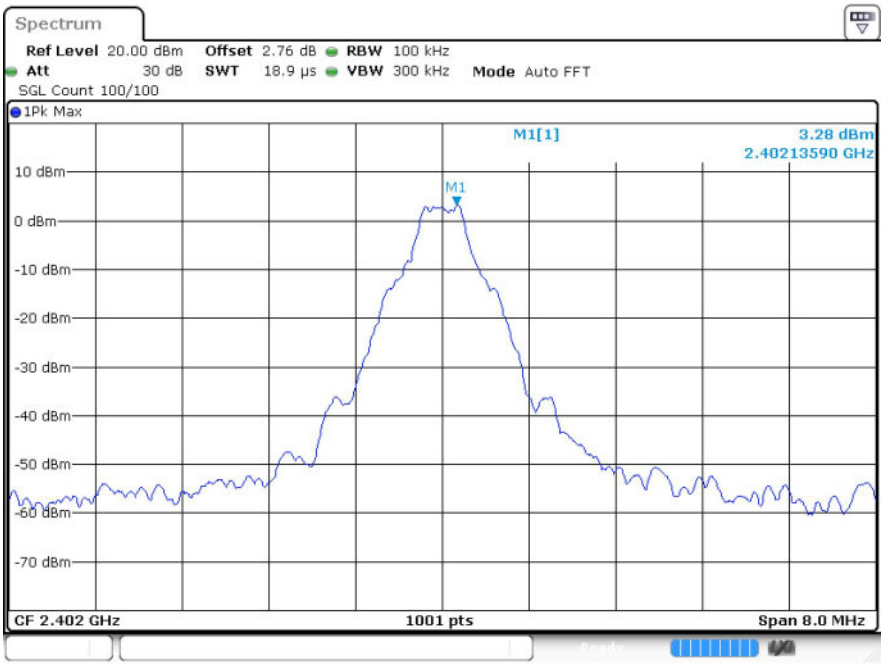
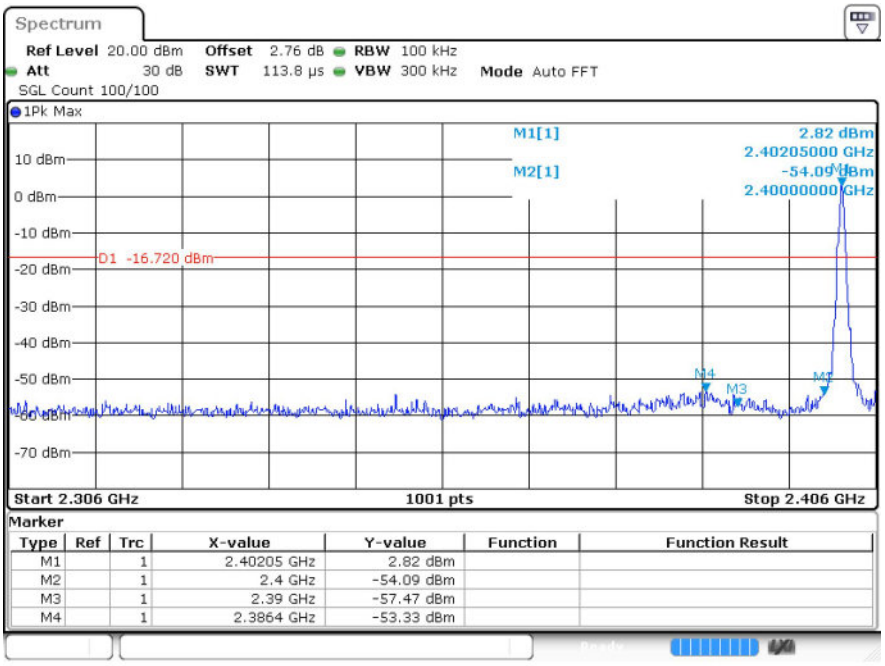
Pref	
Puw	

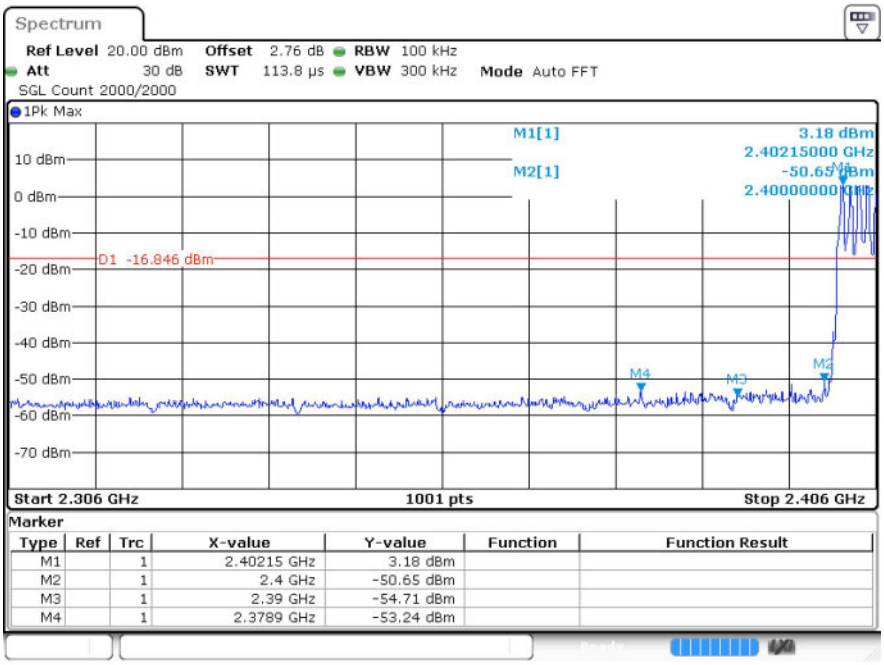
8 Band-edge for RF Conducted Emissions

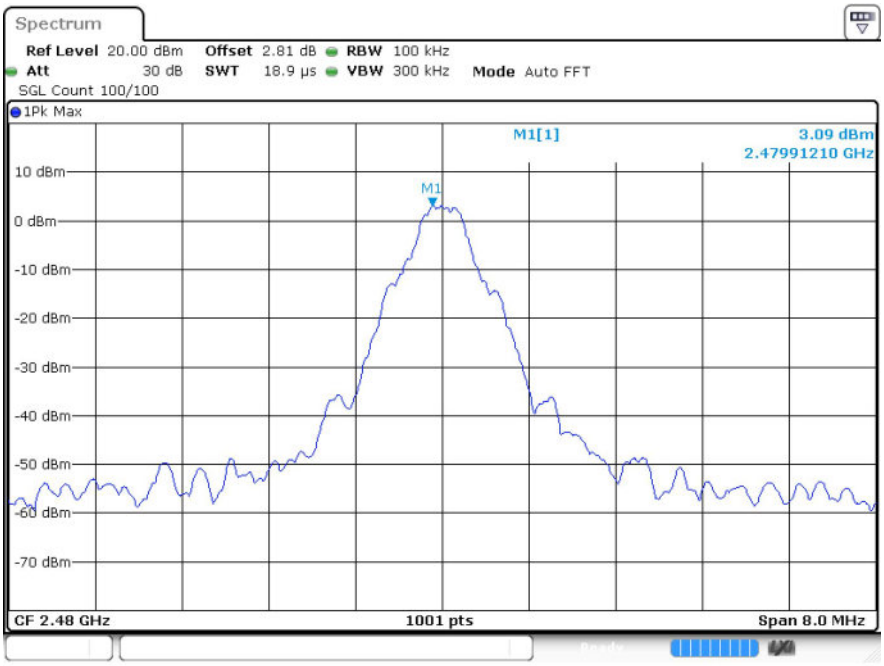
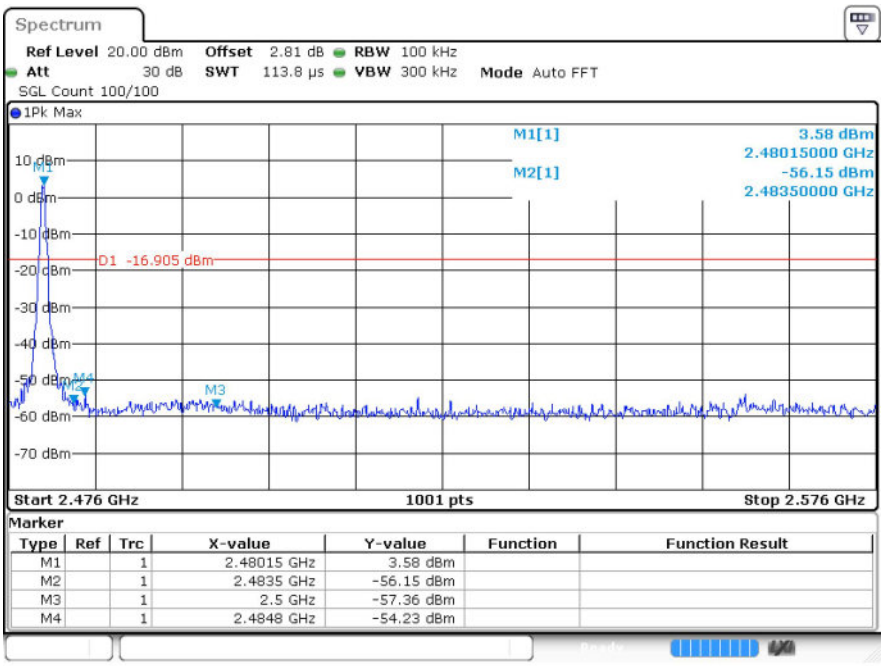
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-56.61	-20	Pass
			On	-56.38	-20	Pass
	HCH	2480	Off	-57.31	-20	Pass
			On	-57.8	-20	Pass
π/4DQPSK	LCH	2402	Off	-57.29	-20	Pass
			On	-56.77	-20	Pass
	HCH	2480	Off	-54.91	-20	Pass
			On	-56.77	-20	Pass
8DPSK	LCH	2402	Off	-56.96	-20	Pass
			On	-56.88	-20	Pass
	HCH	2480	Off	-57.73	-20	Pass
			On	-56.05	-20	Pass

8.2 Test Graphs

Test Graphs	
Pref	
GFSK/LCH/No Hop	

Ref	
GFSK/LCH/Hop	

Ref	
GFSK/HCH/No Hop	

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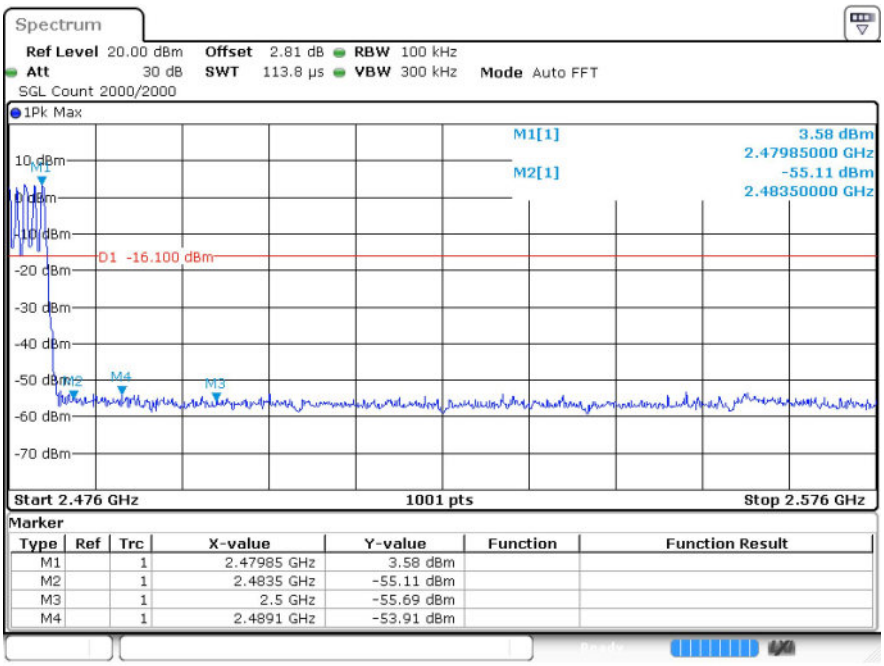
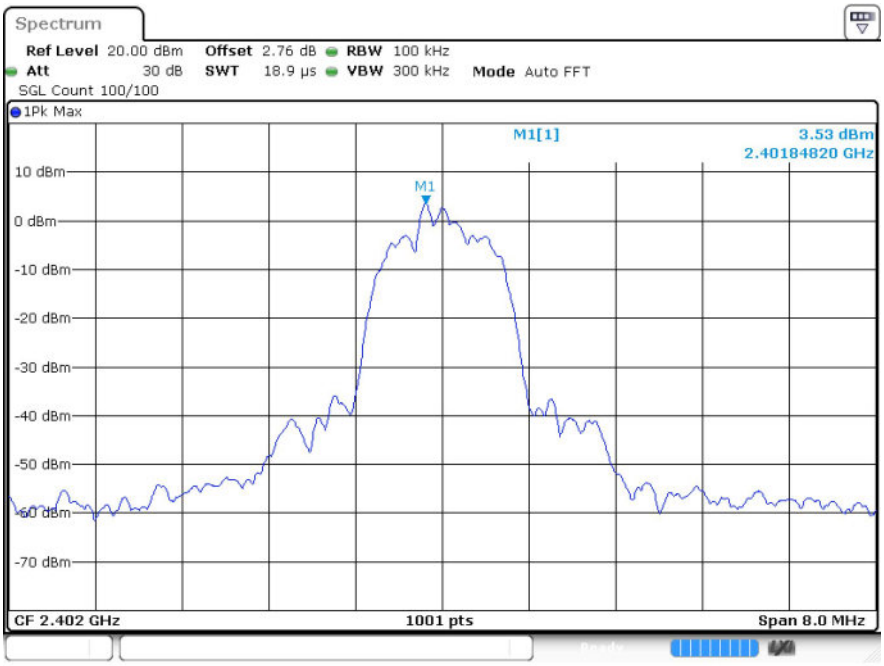
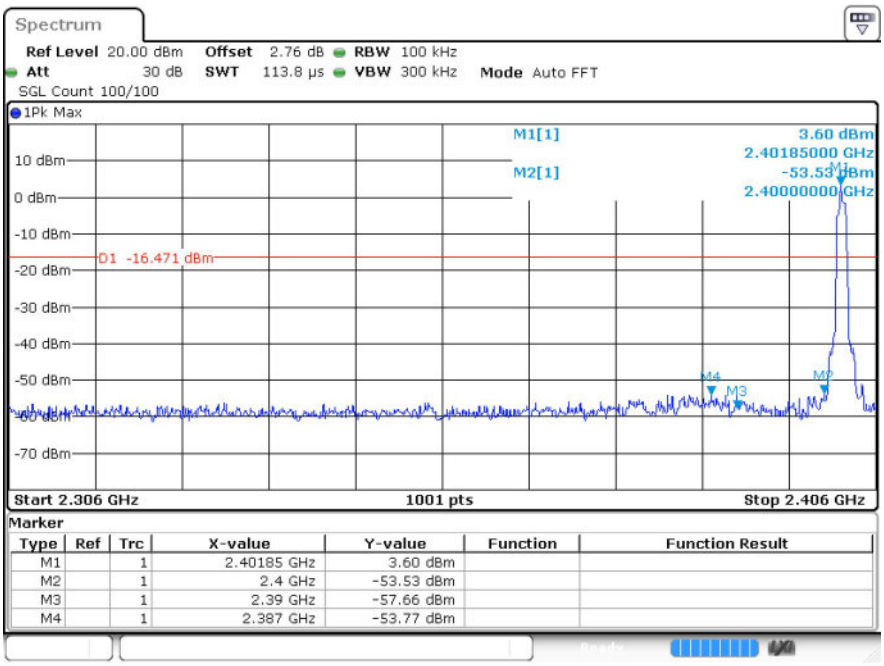
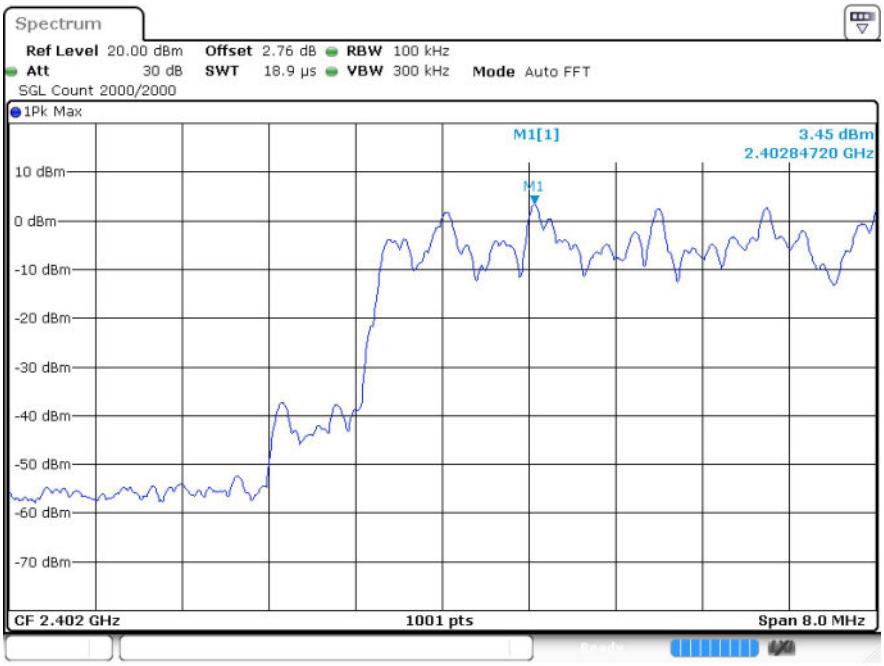
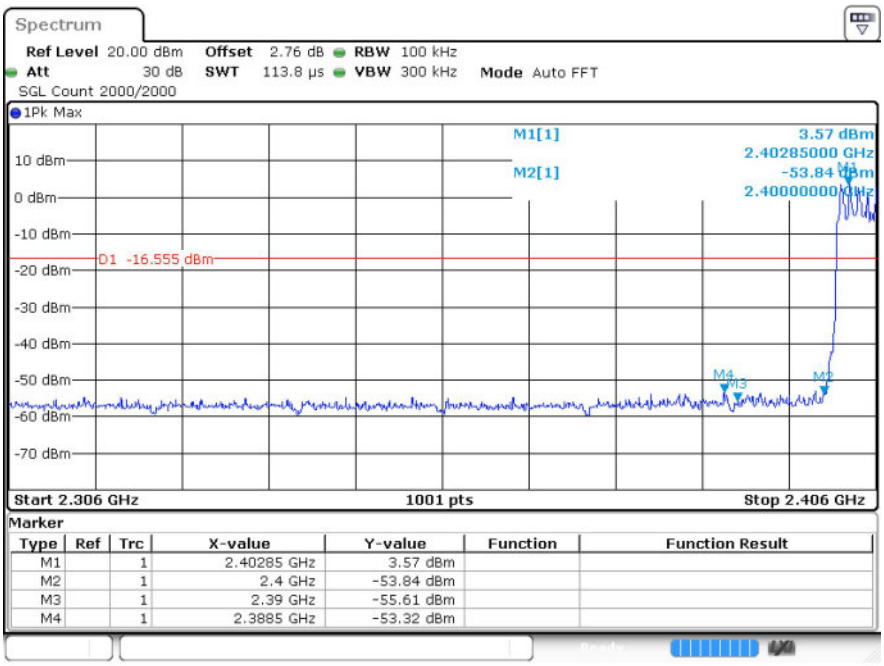
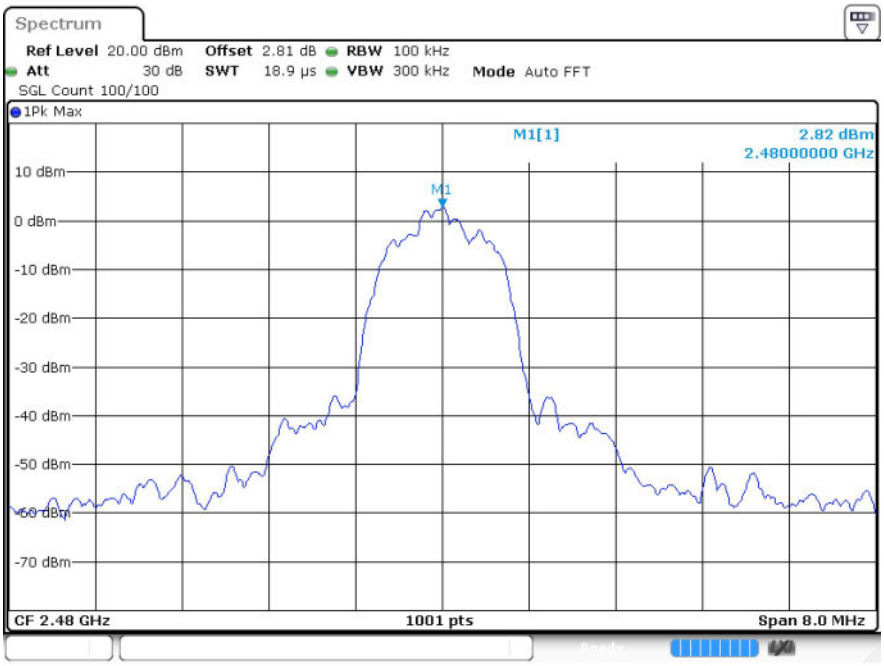
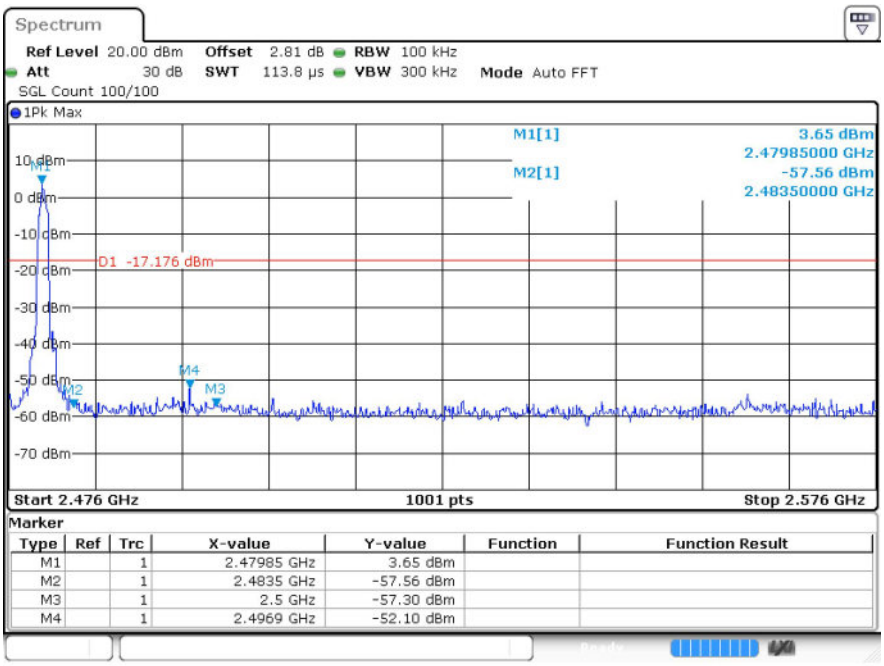
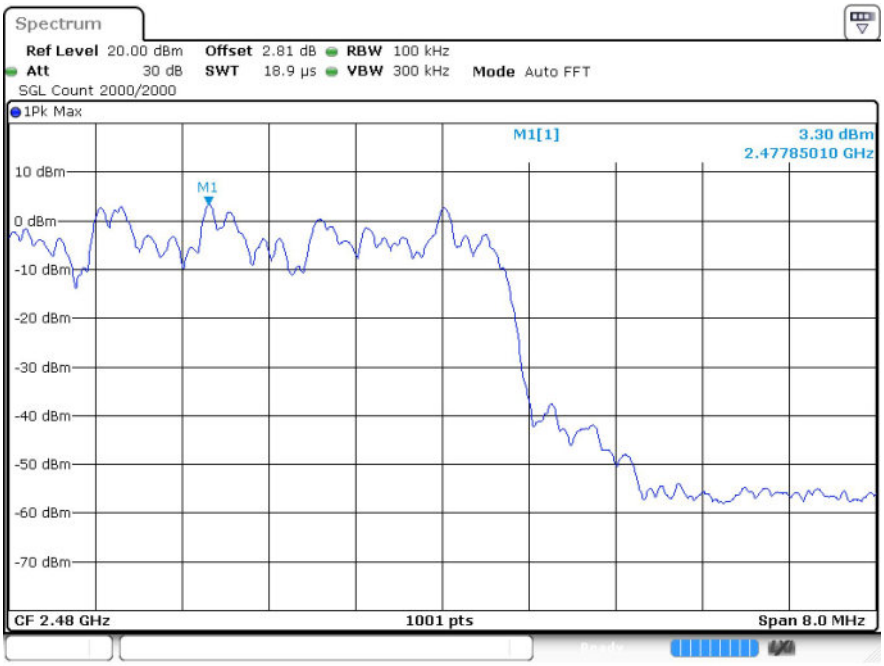
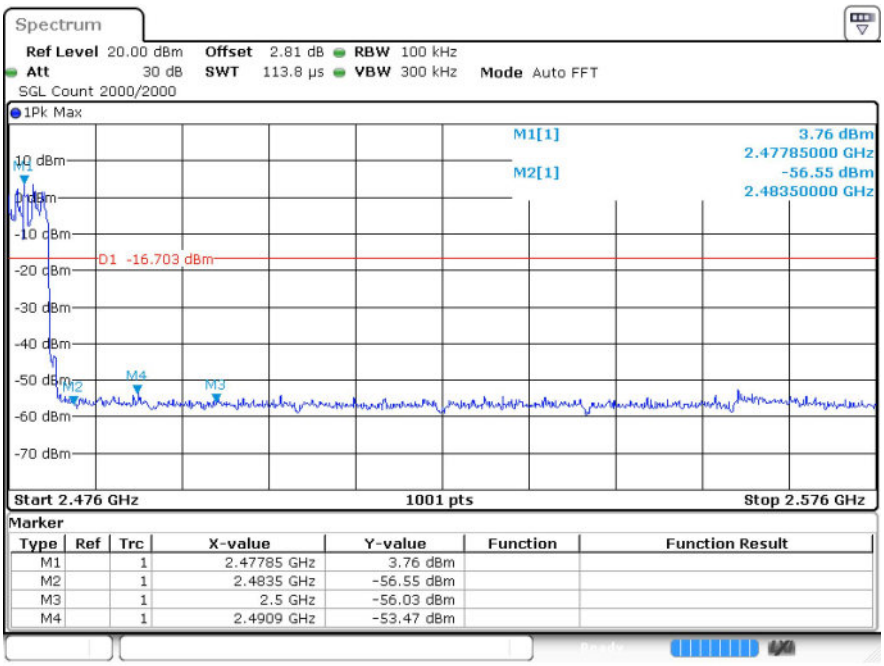
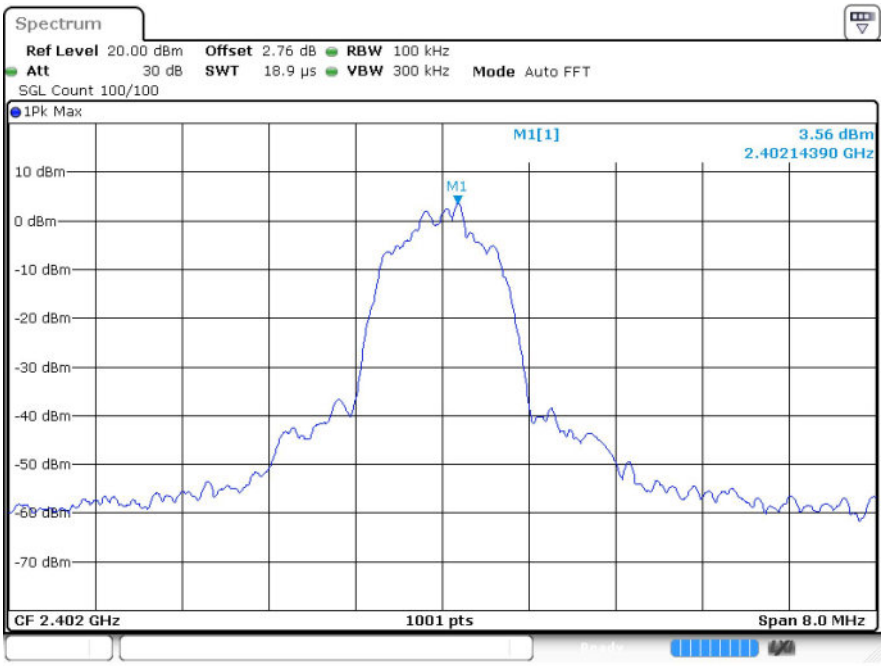
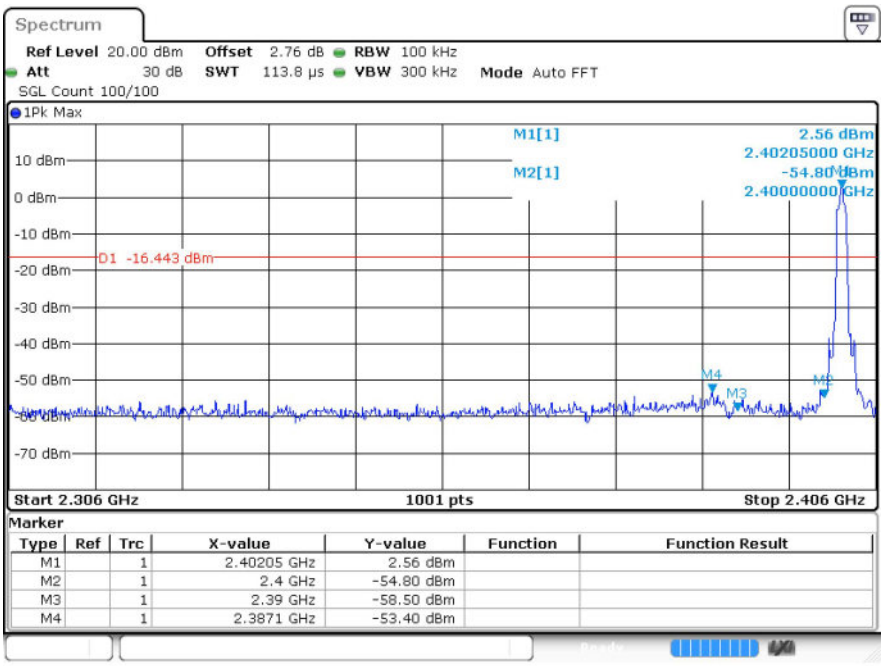
GFSK/HCH/Hop	

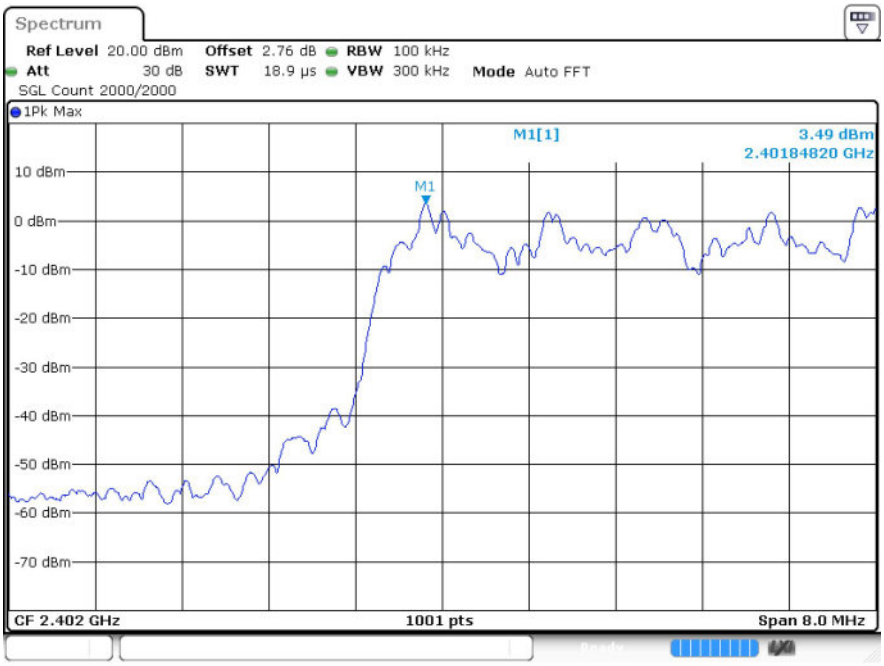
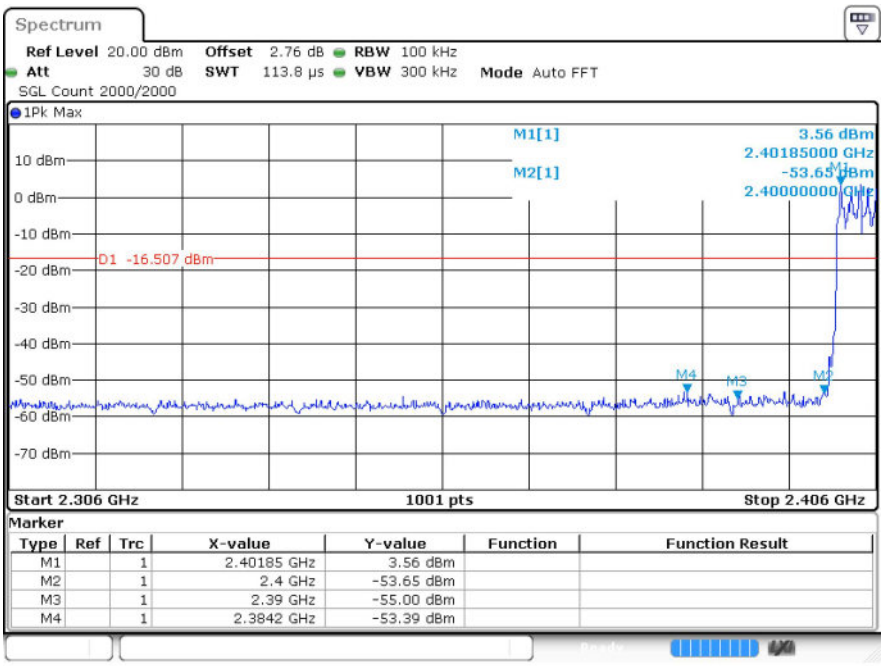
Ref	
π/4DQPSK/LCH/No Hop	

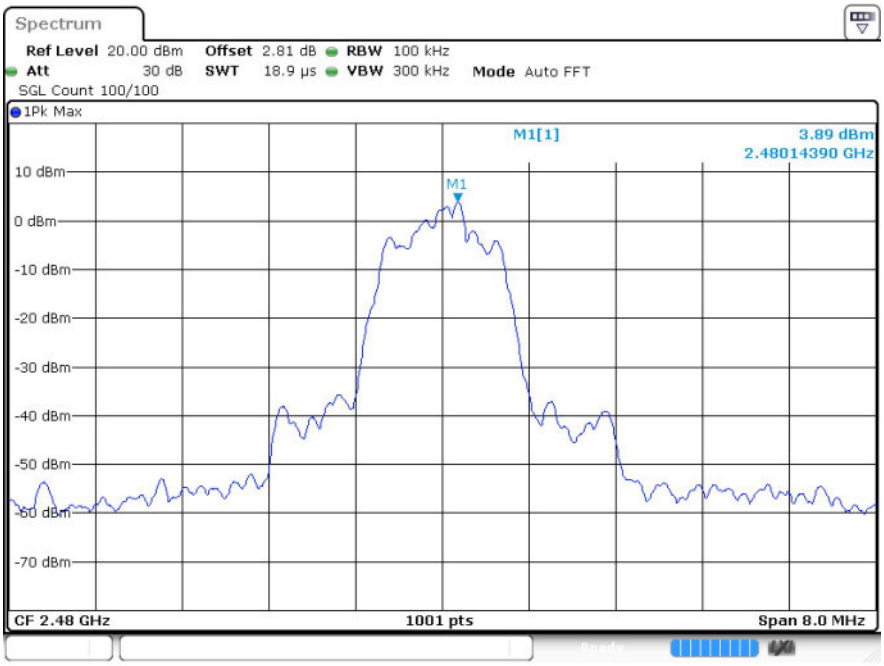
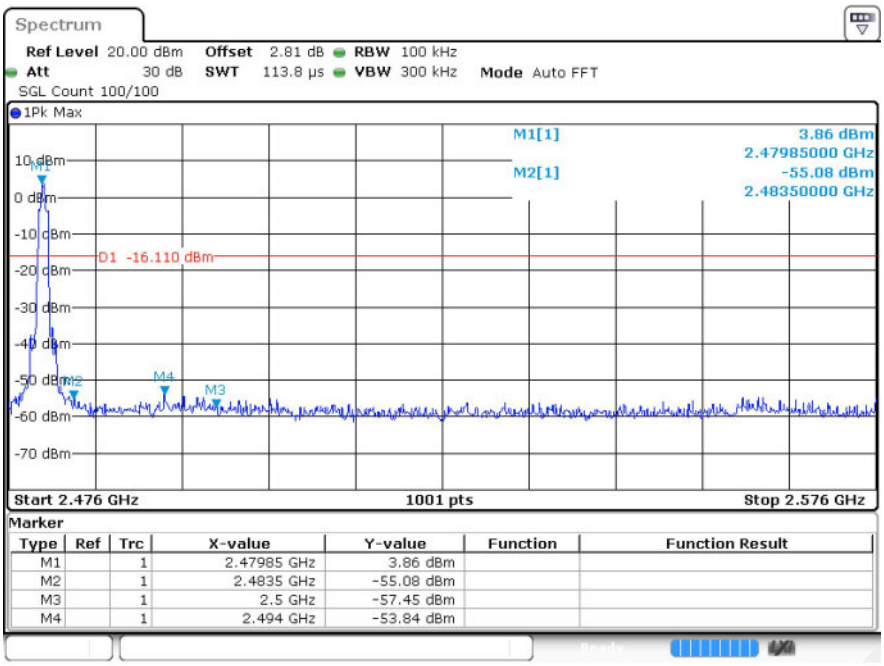
Ref	
π/4DQPSK/LCH/Hop	

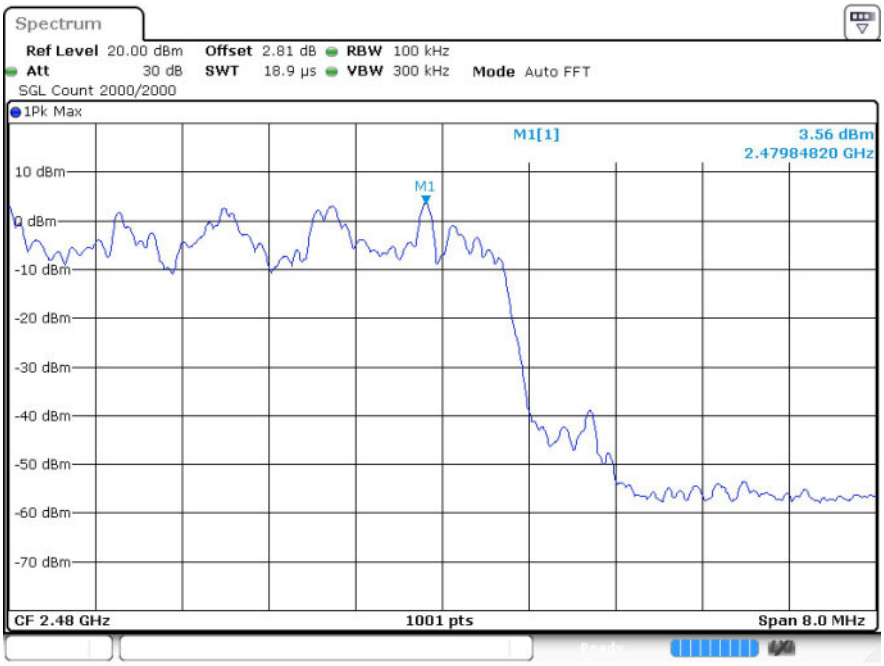
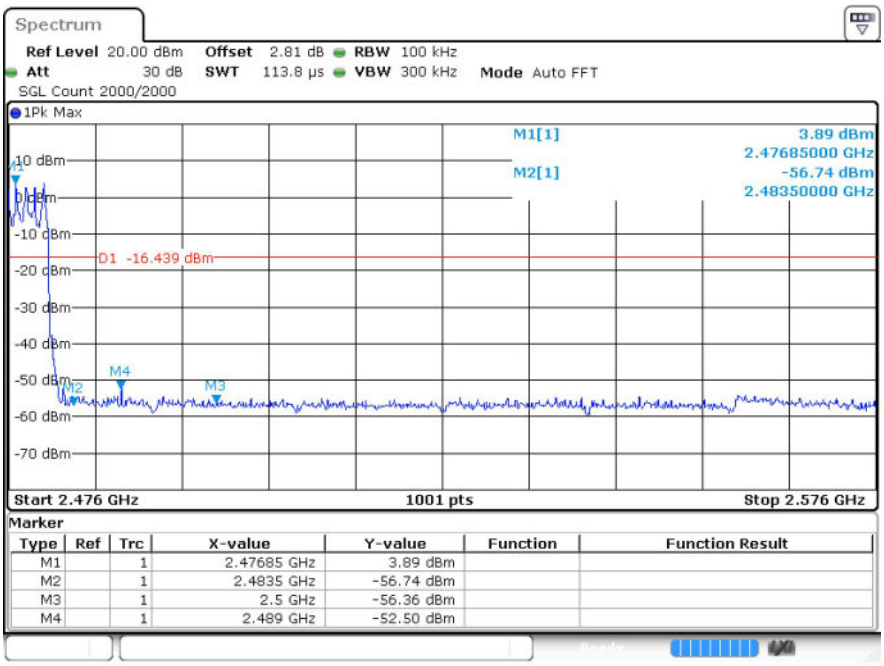
Ref	
π/4DQPSK/HCH/No Hop	

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

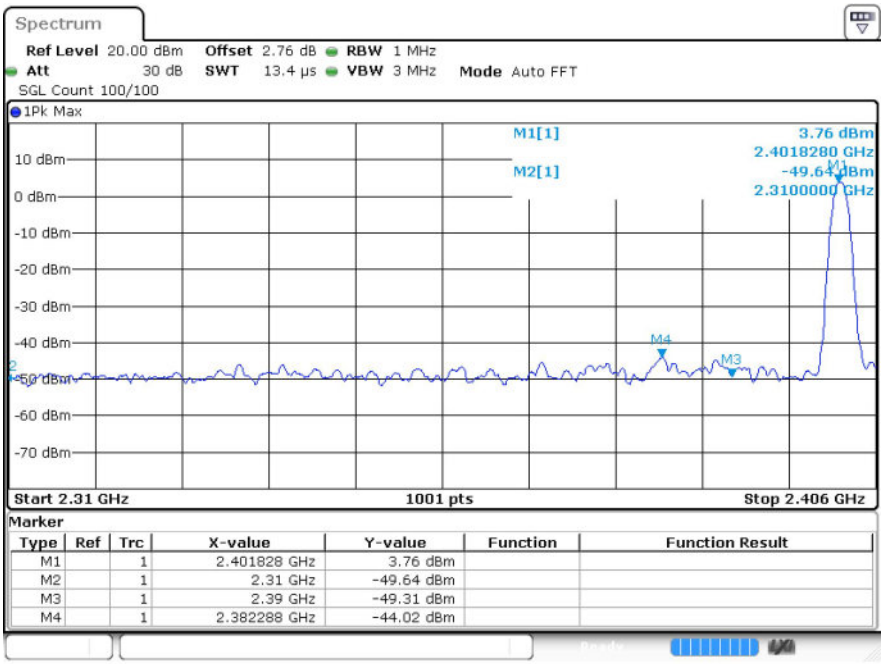
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	**EIRP Power** (dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.64	5.57	51.16	PEAK	74	Pass
	Off	2310.0	-57.45	5.57	43.35	AV	54	Pass
	Off	2382.288	-44.02	5.57	56.78	PEAK	74	Pass
	Off	2387.28	-53.28	5.57	47.52	AV	54	Pass
	Off	2390.0	-49.3	5.57	51.50	PEAK	74	Pass
	Off	2390.0	-54.25	5.57	46.55	AV	54	Pass
	Off	2483.5	-47.29	5.57	53.51	PEAK	74	Pass
	Off	2483.5	-54.47	5.57	46.33	AV	54	Pass
	Off	2495.2	-43.79	5.57	57.01	PEAK	74	Pass
	Off	2492.512	-54.3	5.57	46.50	AV	54	Pass
	Off	2500.0	-46.79	5.57	54.01	PEAK	74	Pass
	Off	2500.0	-55.32	5.57	45.48	AV	54	Pass
π/4DQPSK	Off	2310.0	-50.02	5.57	50.78	PEAK	74	Pass
	Off	2310.0	-57.72	5.57	43.08	AV	54	Pass
	Off	2386.032	-44.14	5.57	56.66	PEAK	74	Pass
	Off	2387.376	-53.33	5.57	47.47	AV	54	Pass
	Off	2390.0	-46.33	5.57	54.47	PEAK	74	Pass
	Off	2390.0	-55.05	5.57	45.75	AV	54	Pass
	Off	2483.5	-46.65	5.57	54.15	PEAK	74	Pass
	Off	2483.5	-55.1	5.57	45.70	AV	54	Pass
	Off	2498.752	-46	5.57	54.80	PEAK	74	Pass
	Off	2492.512	-54.73	5.57	46.07	AV	54	Pass
	Off	2500.0	-48.27	5.57	52.53	PEAK	74	Pass
	Off	2500.0	-56.17	5.57	44.63	AV	54	Pass
8DPSK	Off	2310.0	-50.21	5.57	50.59	PEAK	74	Pass
	Off	2310.0	-57.77	5.57	43.03	AV	54	Pass
	Off	2387.28	-45.14	5.57	55.66	PEAK	74	Pass
	Off	2387.28	-53.6	5.57	47.20	AV	54	Pass

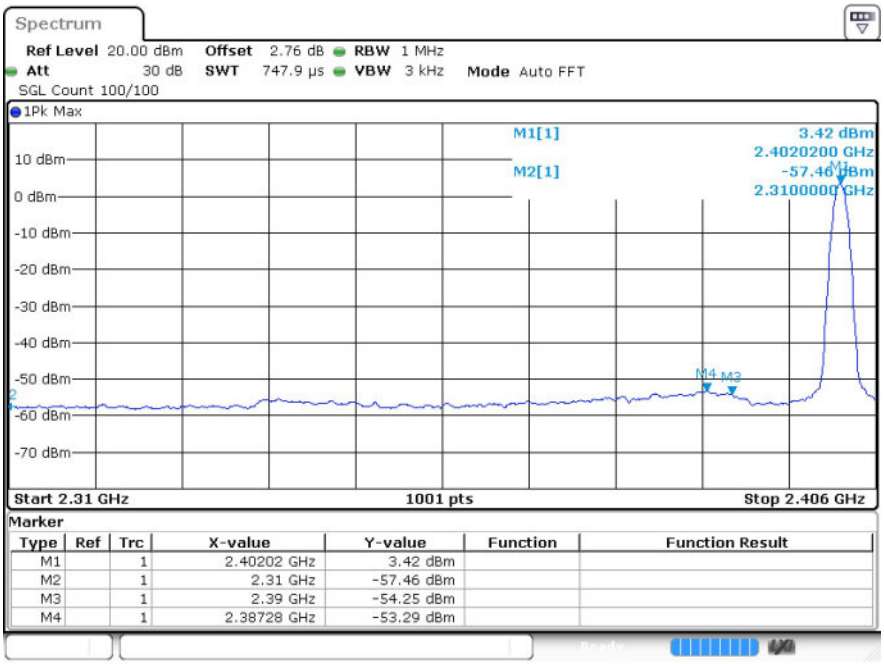
	Off	2390.0	-48.17	5.57	52.63	PEAK	74	Pass
	Off	2390.0	-54.65	5.57	46.15	AV	54	Pass
	Off	2483.5	-47.24	5.57	53.56	PEAK	74	Pass
	Off	2483.5	-55.15	5.57	45.65	AV	54	Pass
	Off	2495.56	-45.1	5.57	55.70	PEAK	74	Pass
	Off	2492.656	-53.91	5.57	46.89	AV	54	Pass
	Off	2500.0	-48.2	5.57	52.60	PEAK	74	Pass
	Off	2500.0	-55.32	5.57	45.48	AV	54	Pass

9.2 Test Graphs

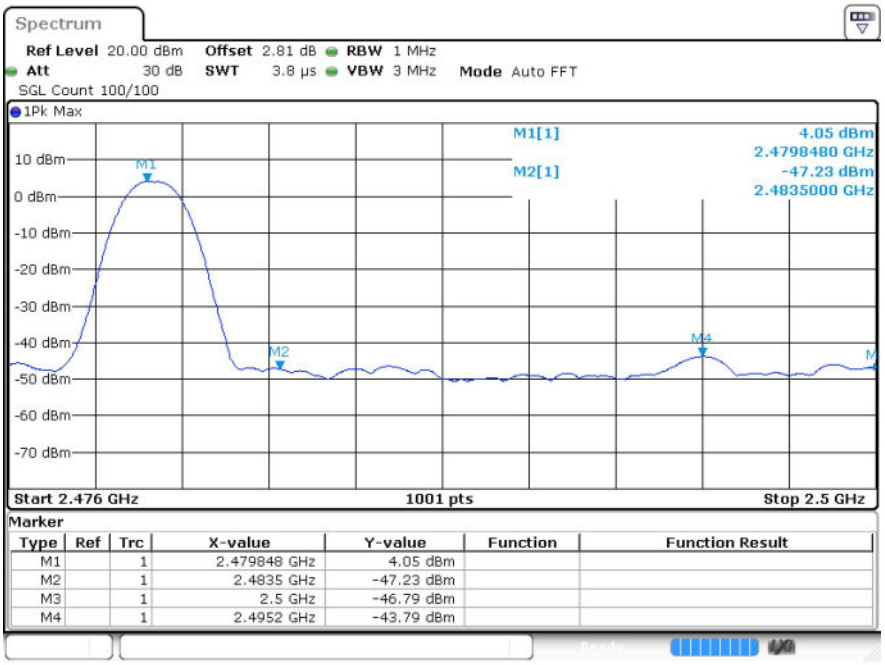
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



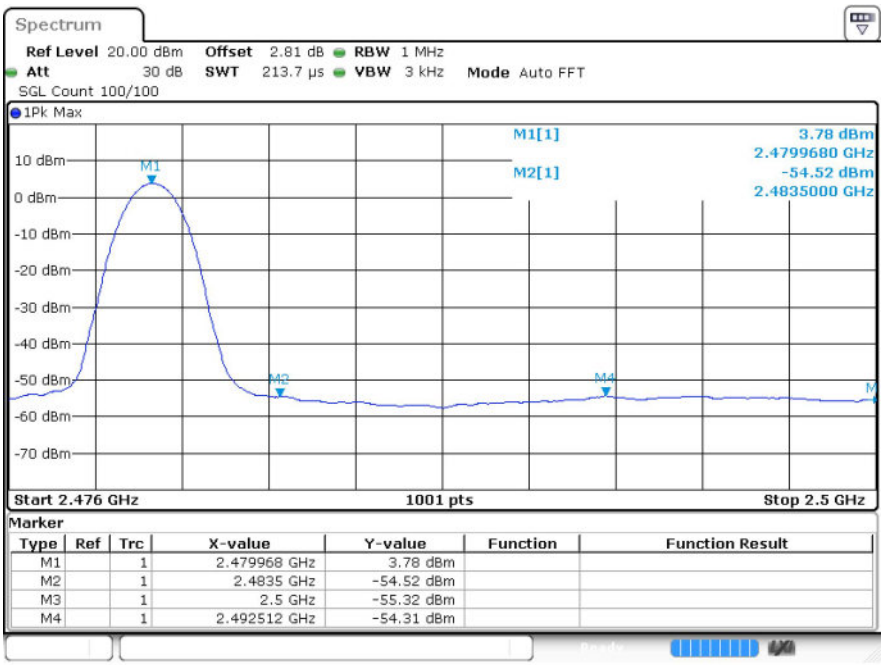
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



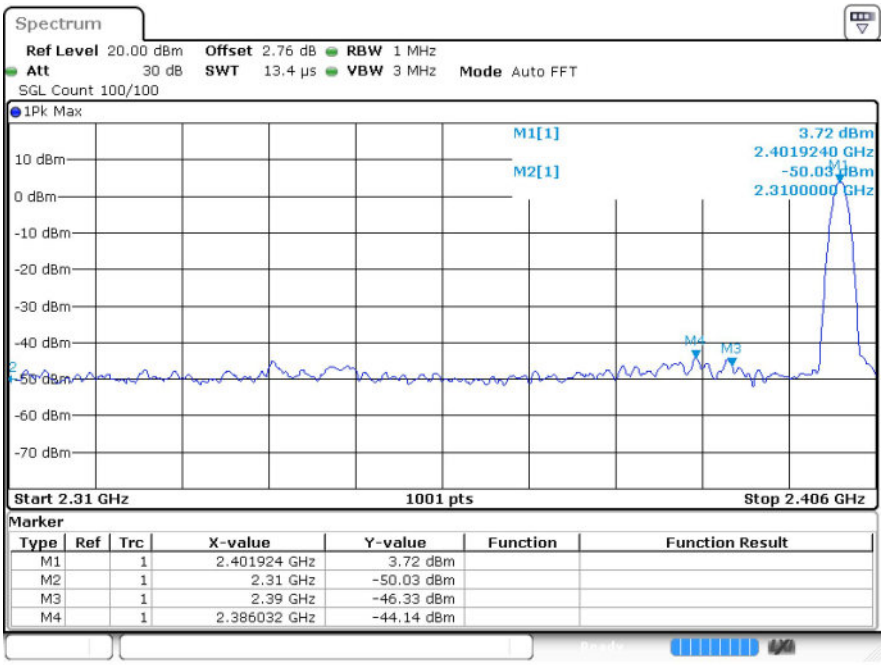
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



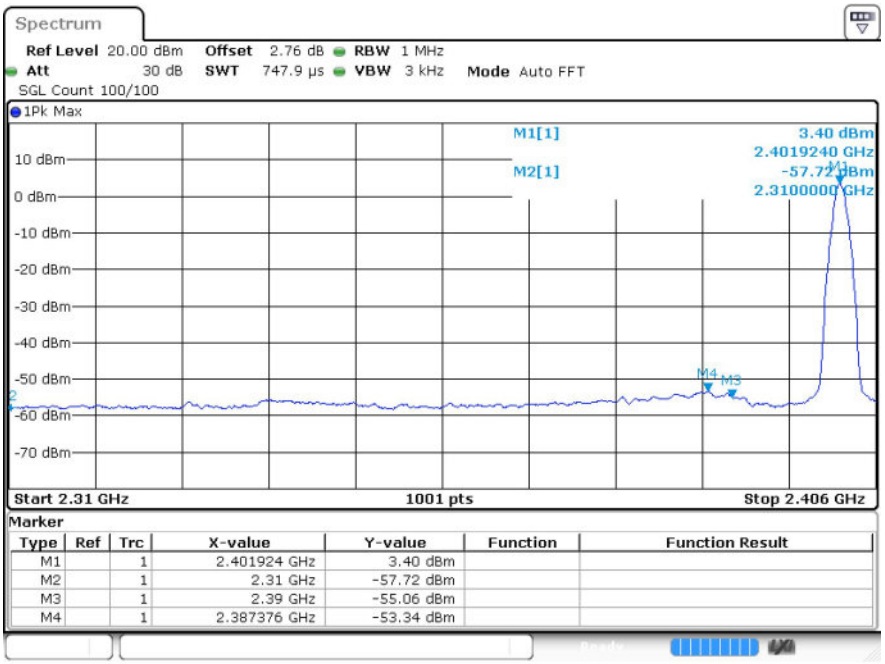
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



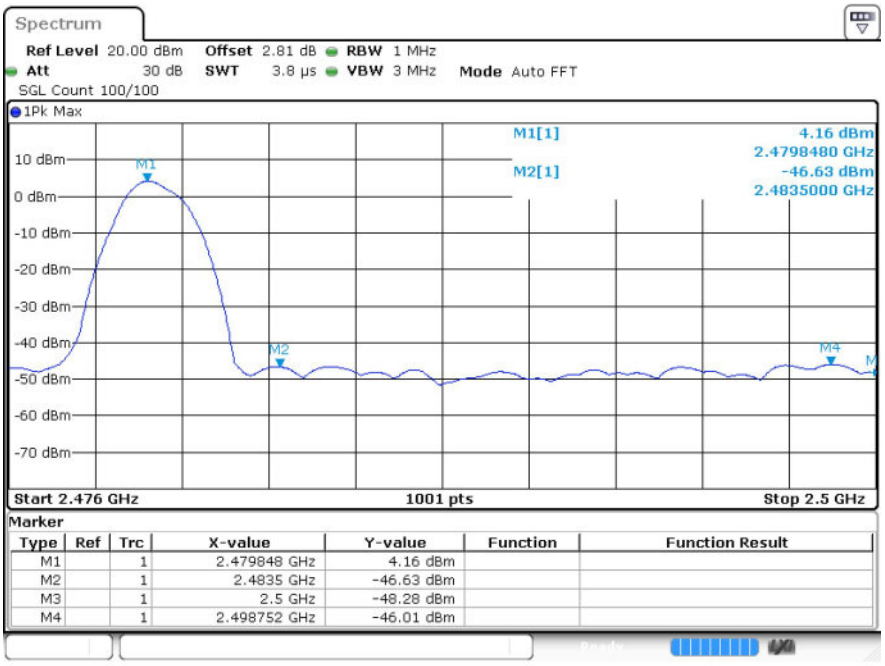
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



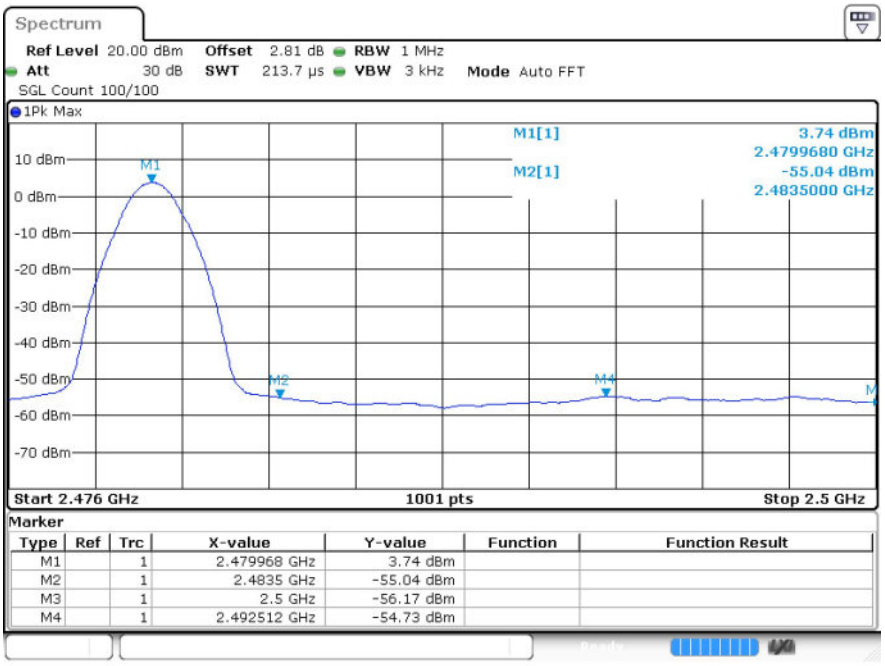
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



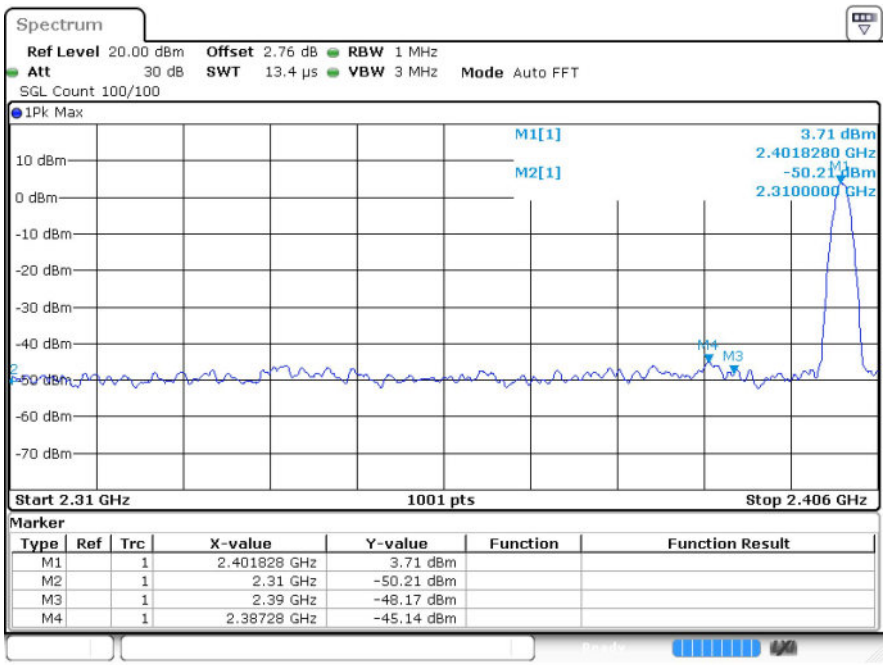
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



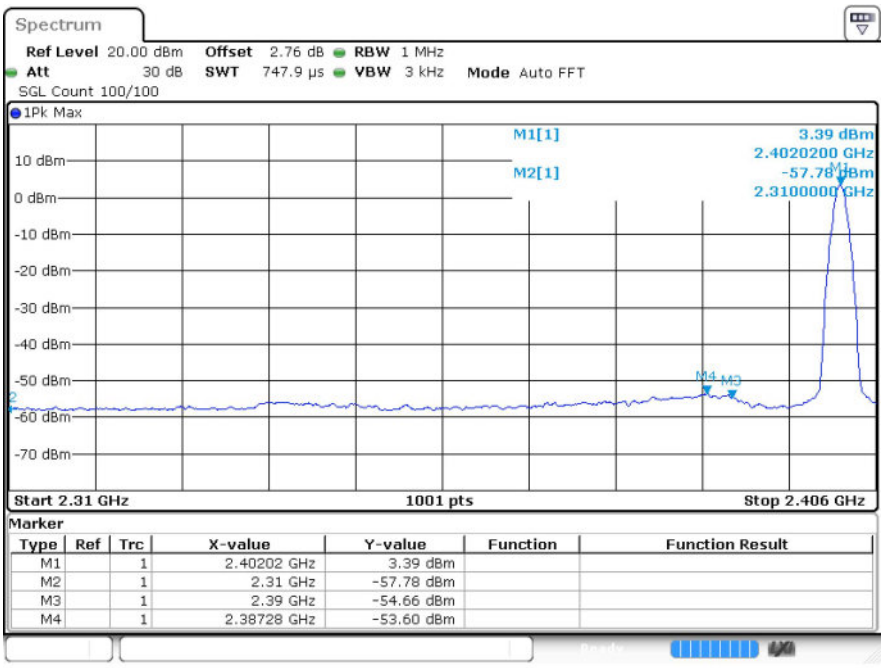
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



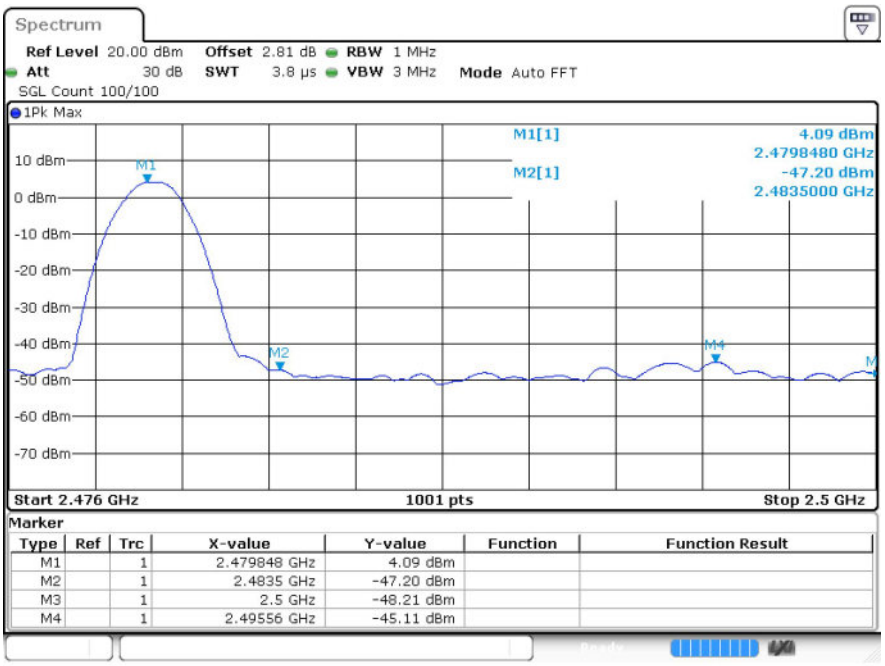
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



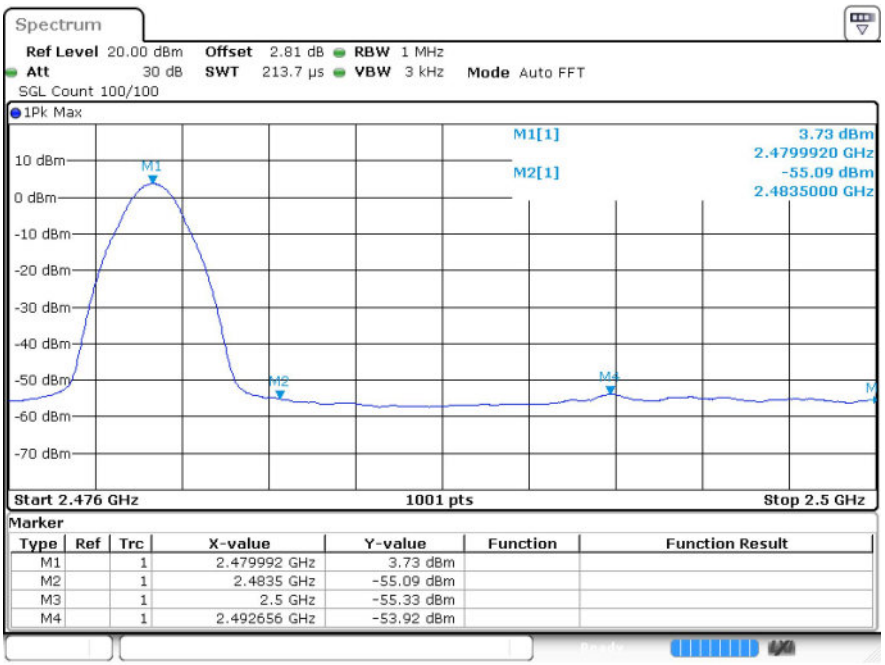
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---