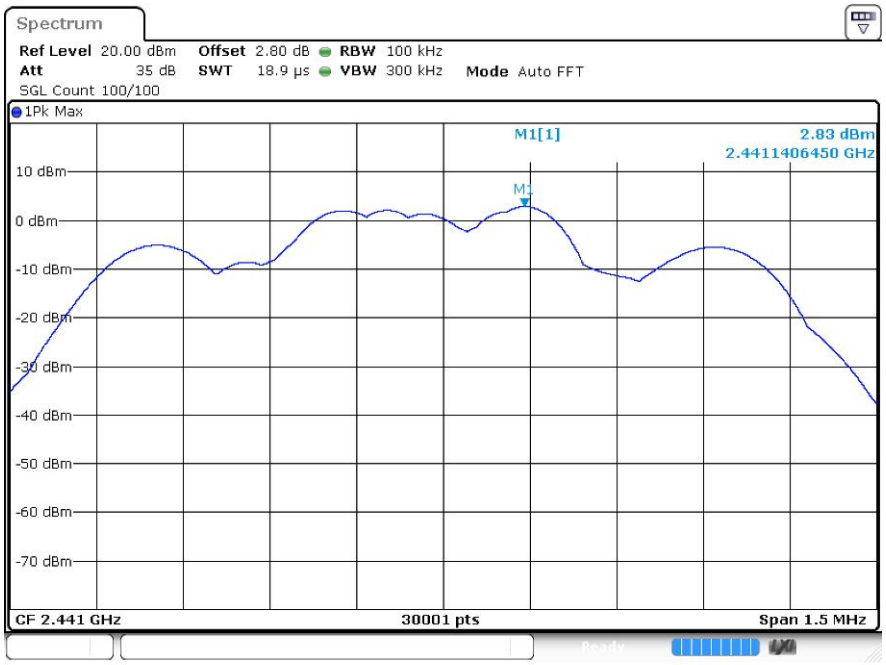
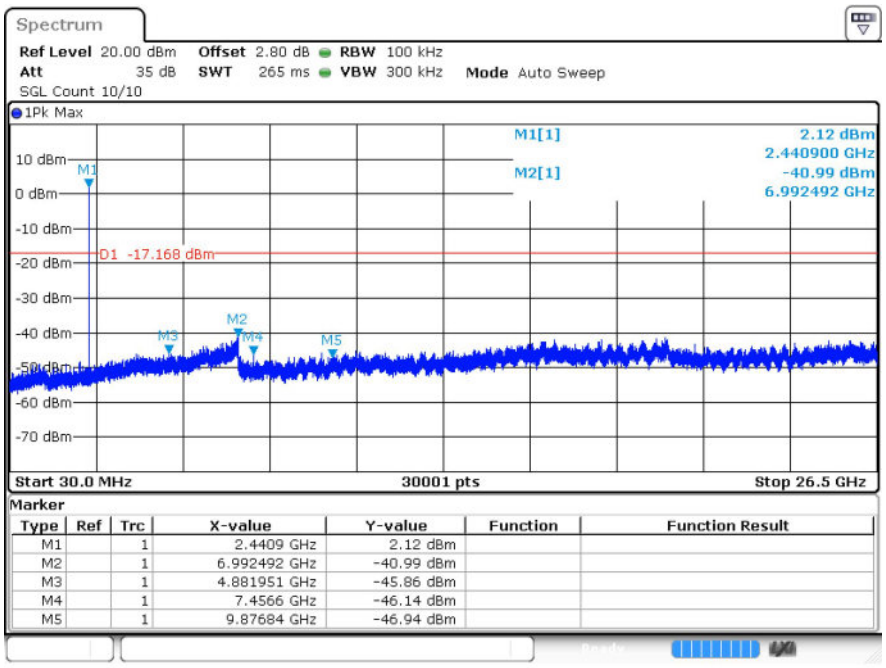
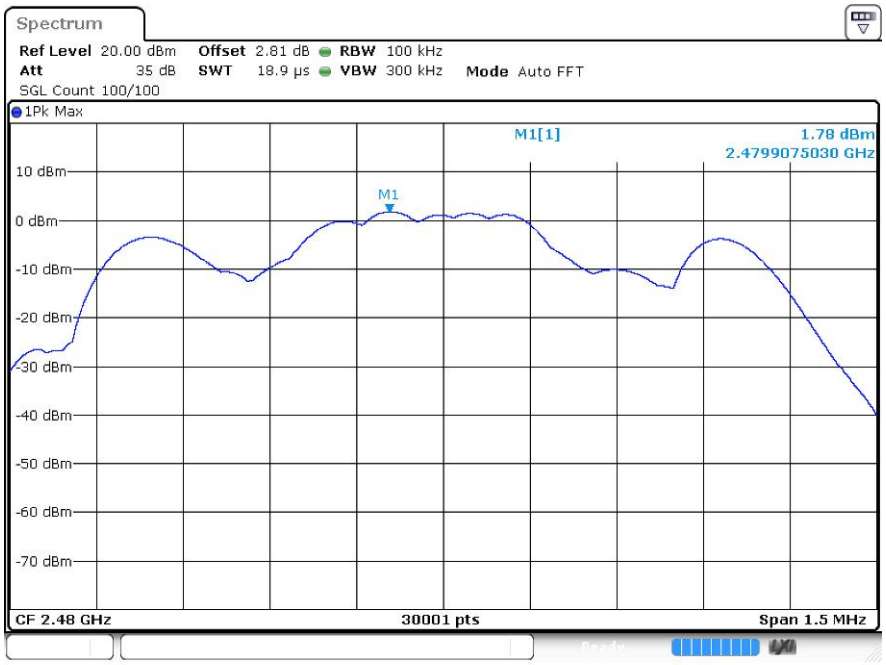
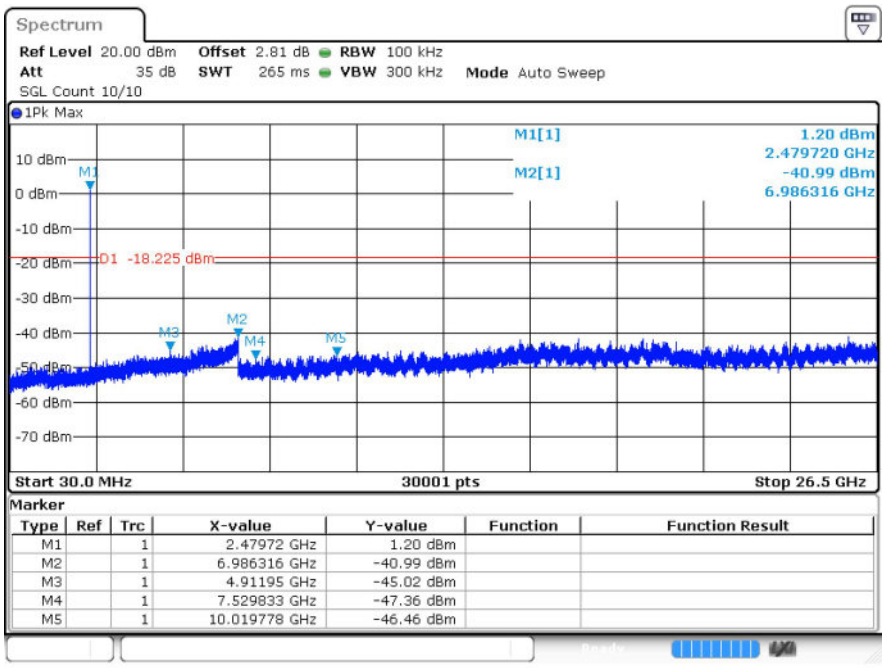
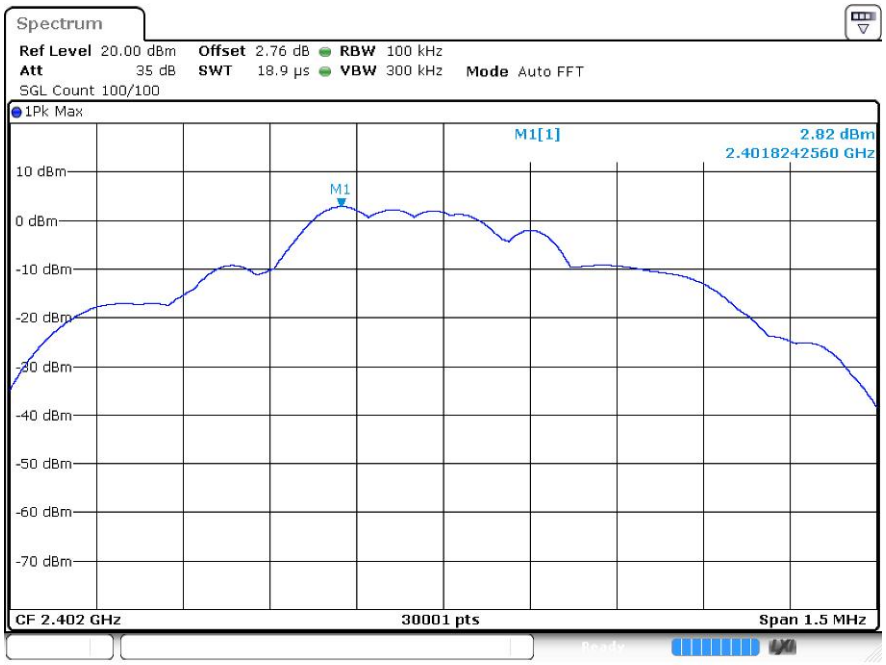
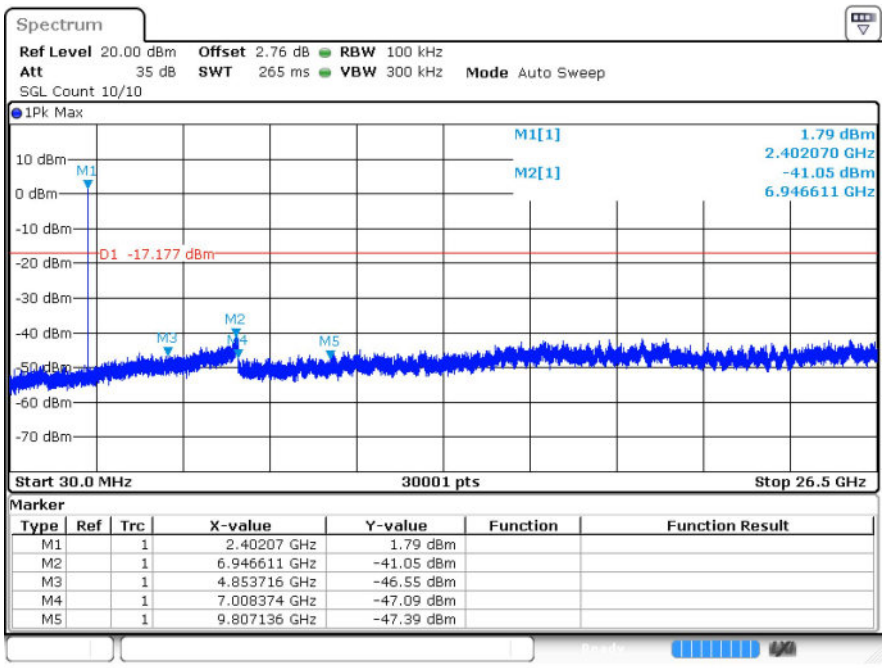
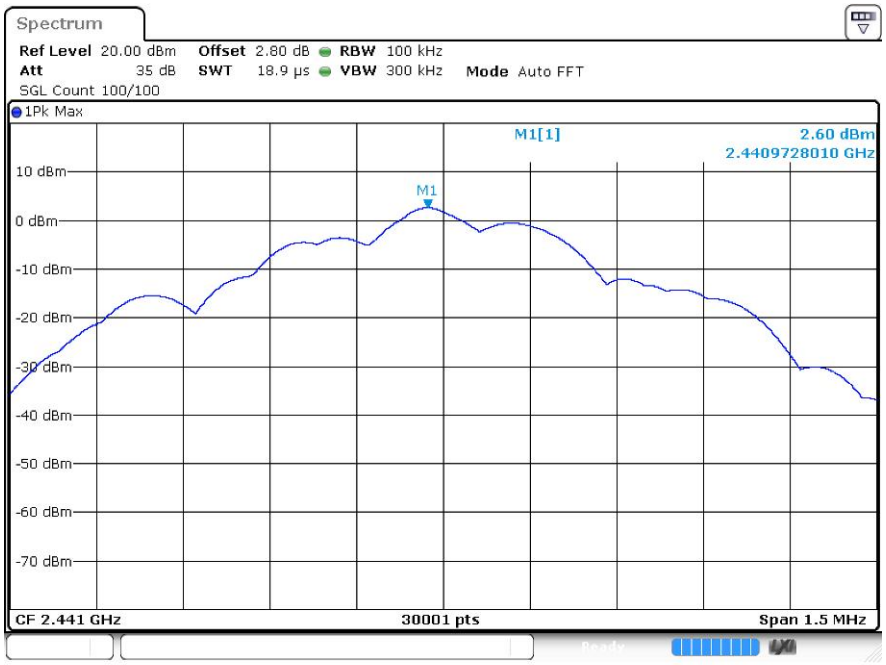
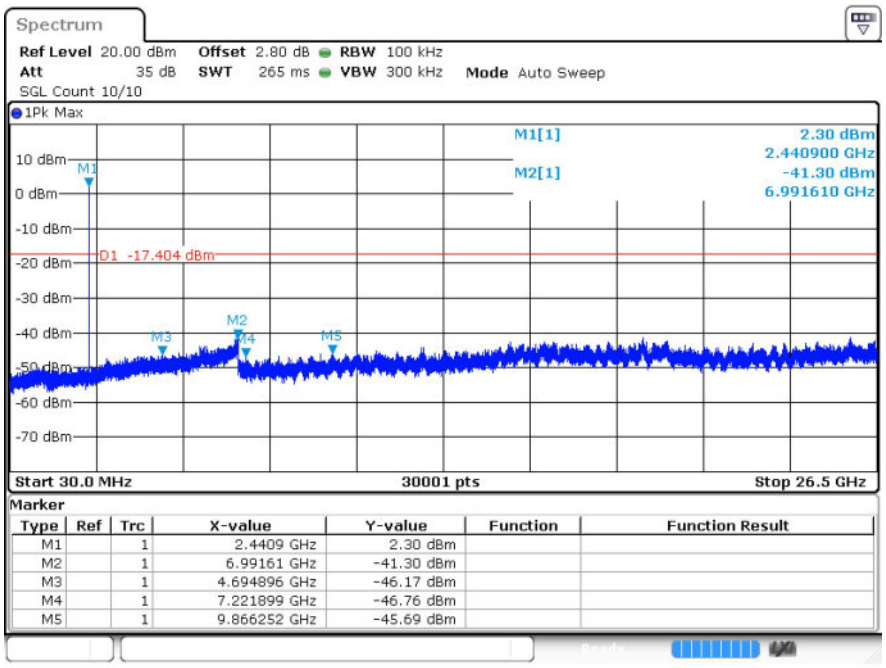
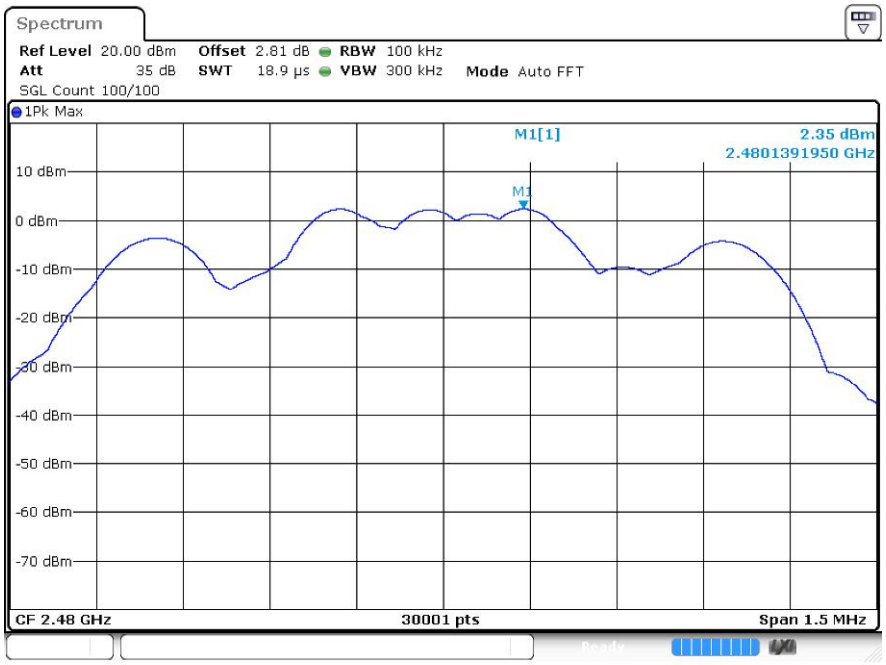
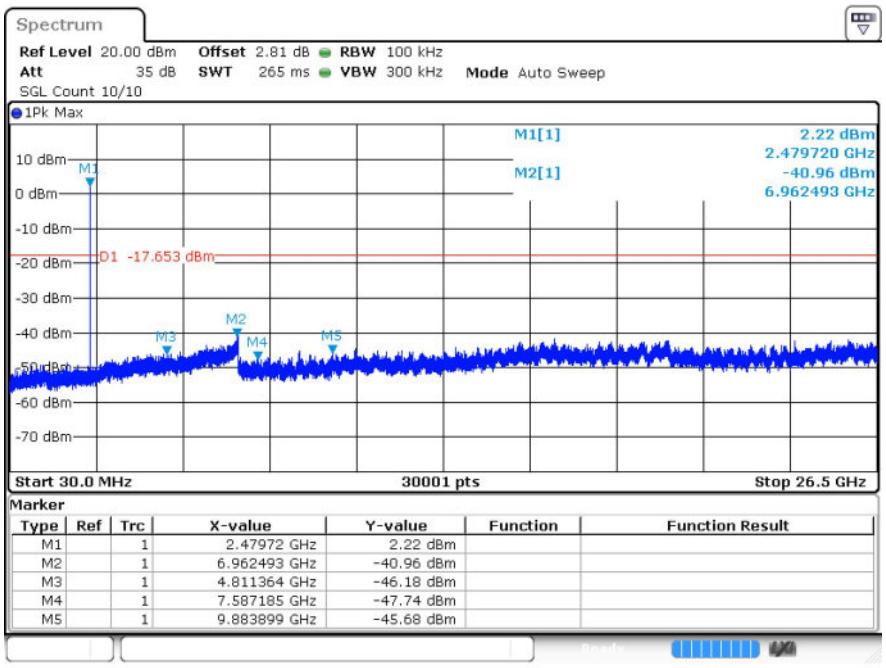
π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

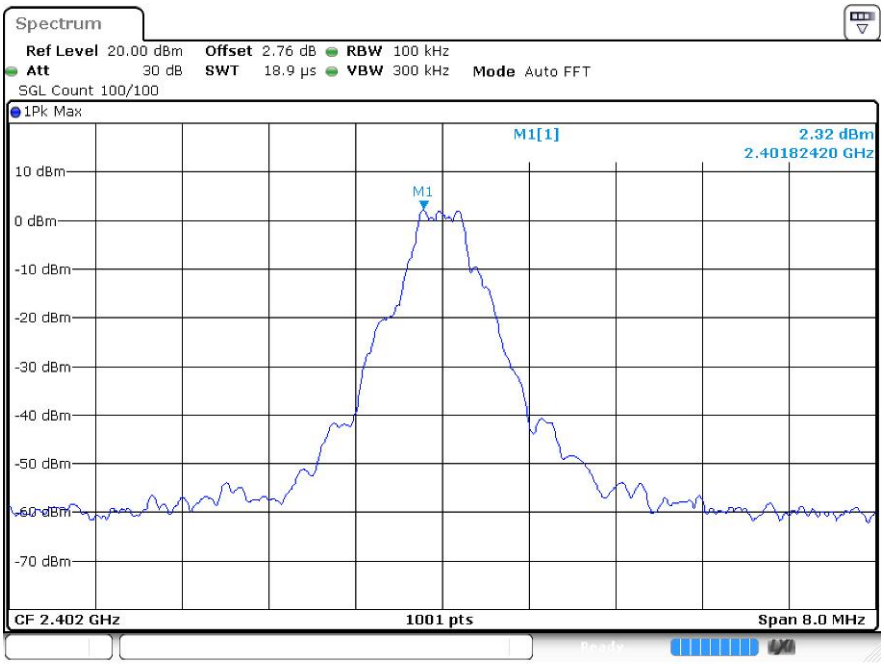
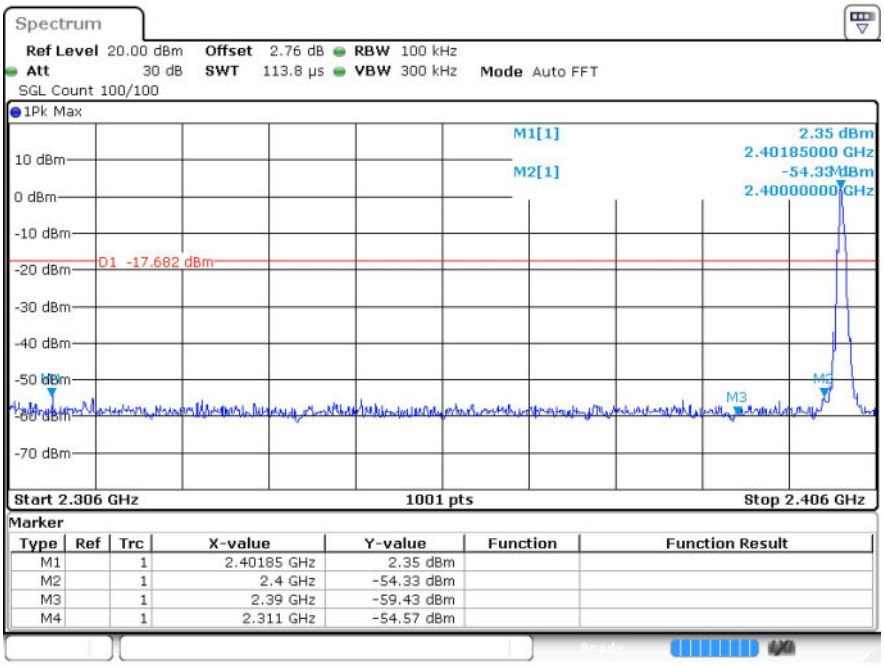
8DPSK_HCH_Graphs	
Pref	
Puw	

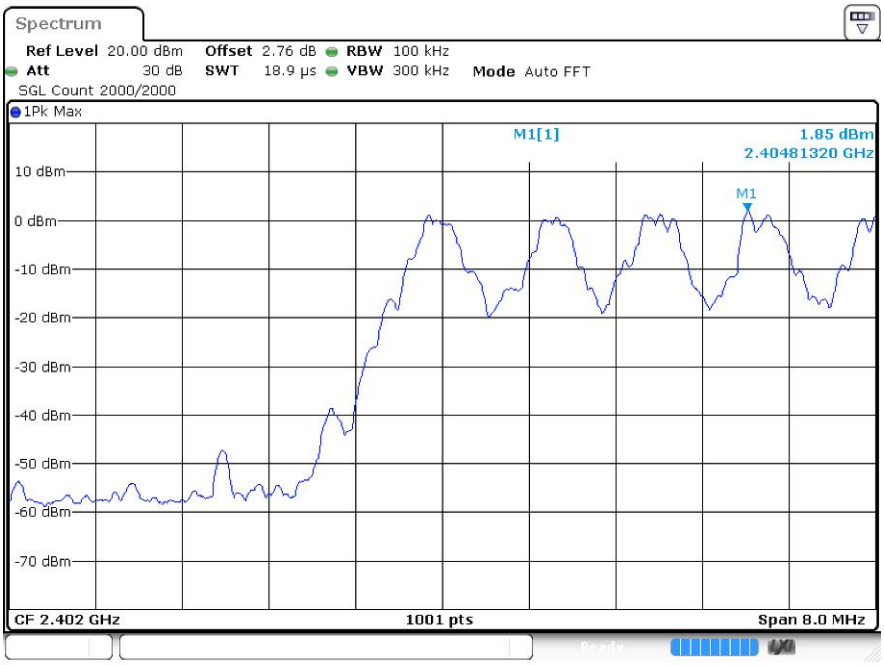
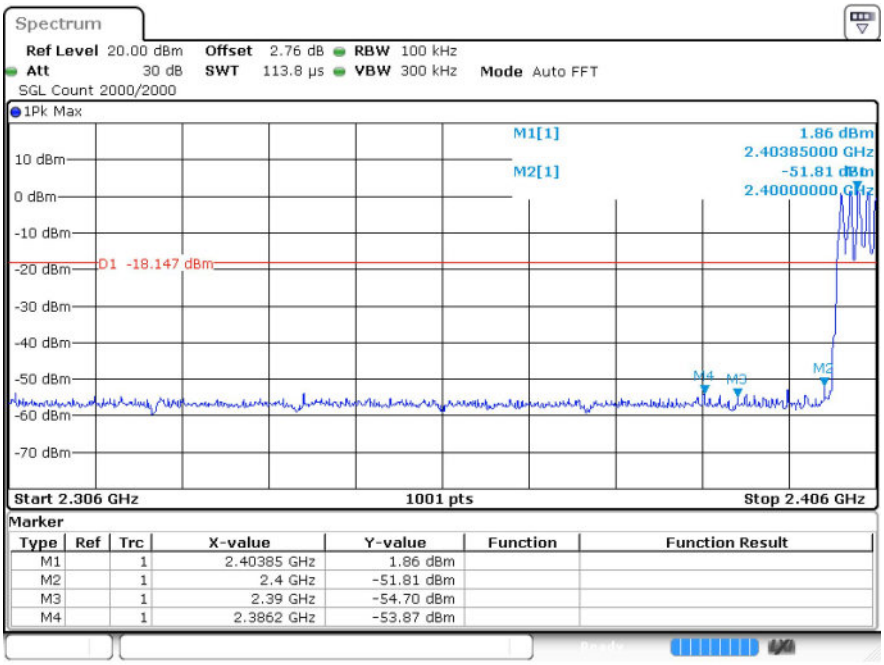
8 Band-edge for RF Conducted Emissions

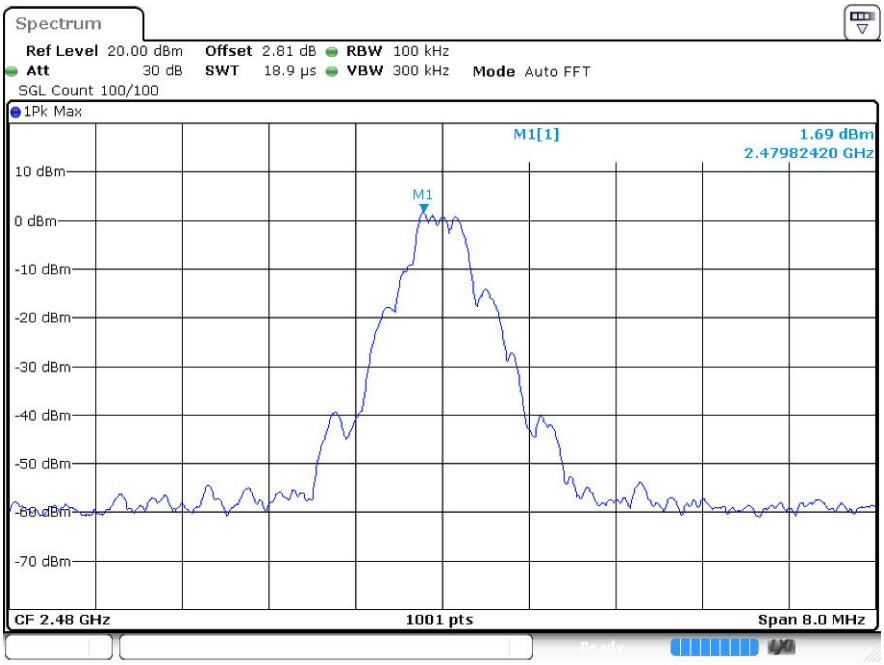
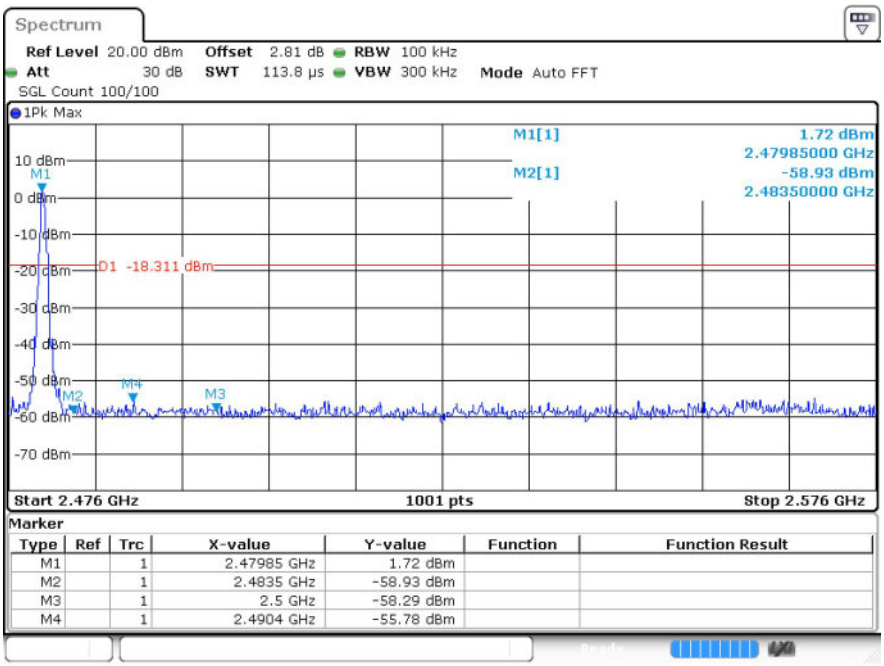
8.1 Test Result

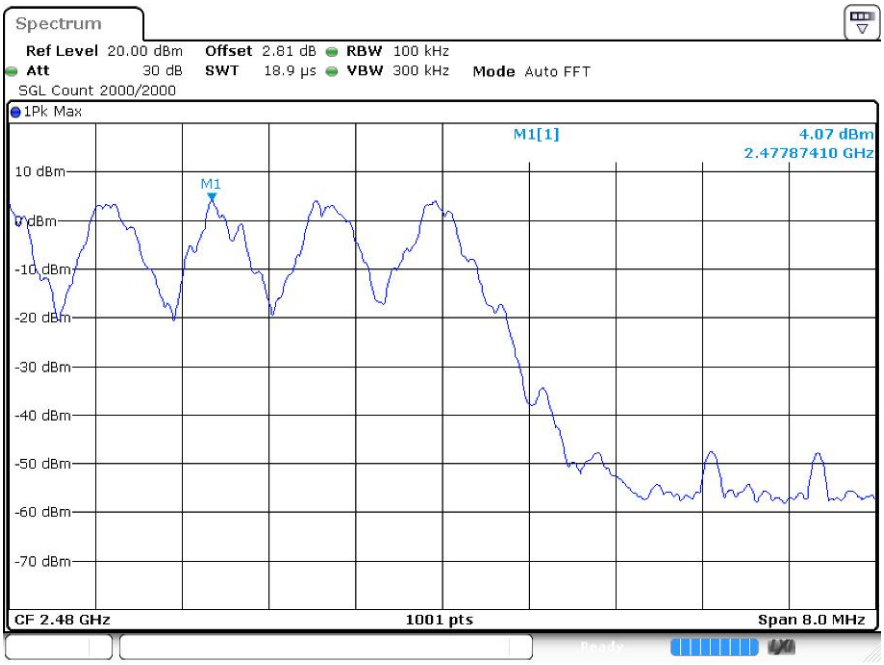
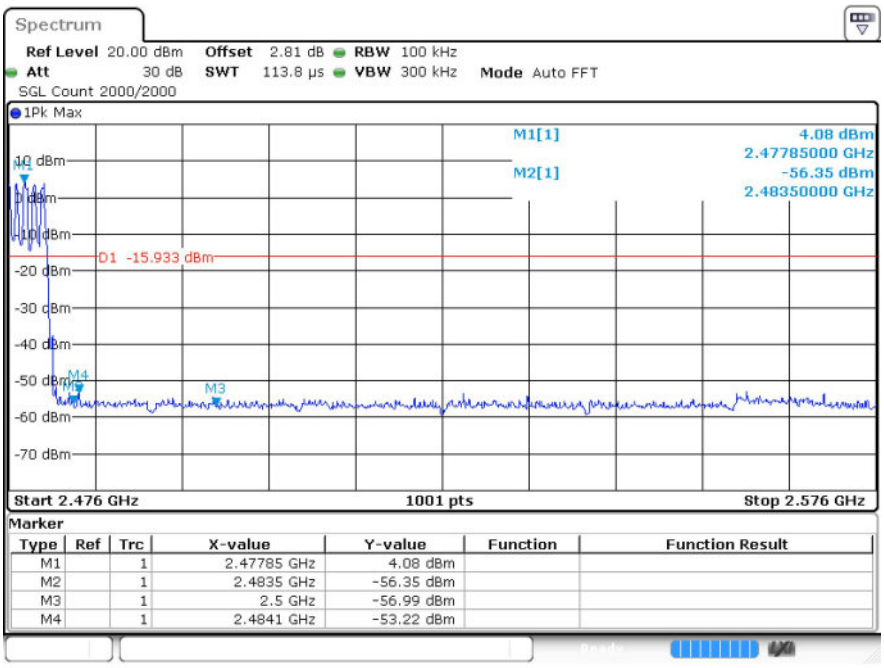
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-56.88	-20	Pass
			On	-55.71	-20	Pass
	HCH	2480	Off	-57.47	-20	Pass
			On	-57.29	-20	Pass
π/4DQPSK	LCH	2402	Off	-58.54	-20	Pass
			On	-54.89	-20	Pass
	HCH	2480	Off	-57.77	-20	Pass
			On	-49.87	-20	Pass
8DPSK	LCH	2402	Off	-58.87	-20	Pass
			On	-55.16	-20	Pass
	HCH	2480	Off	-58.54	-20	Pass
			On	-49.77	-20	Pass

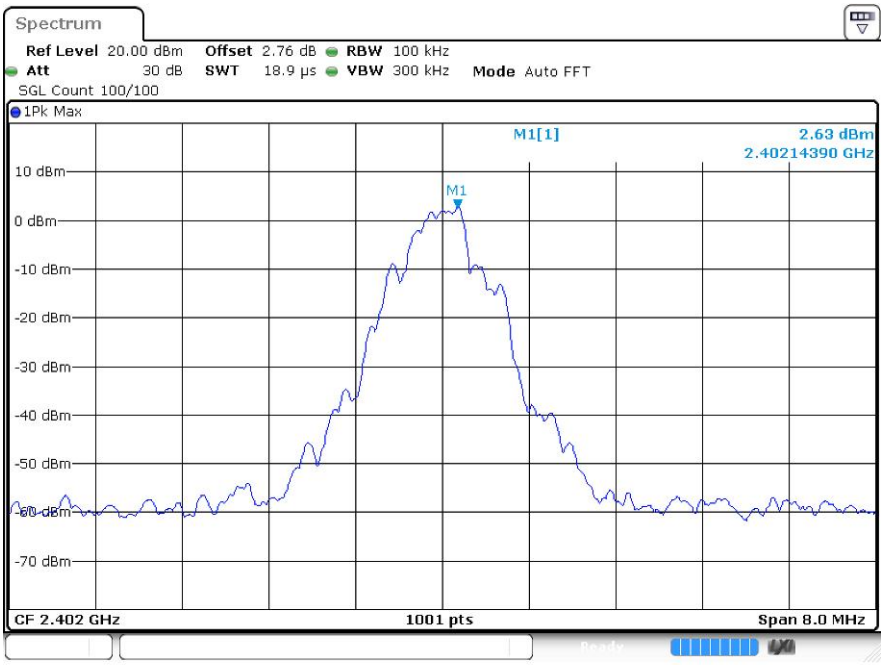
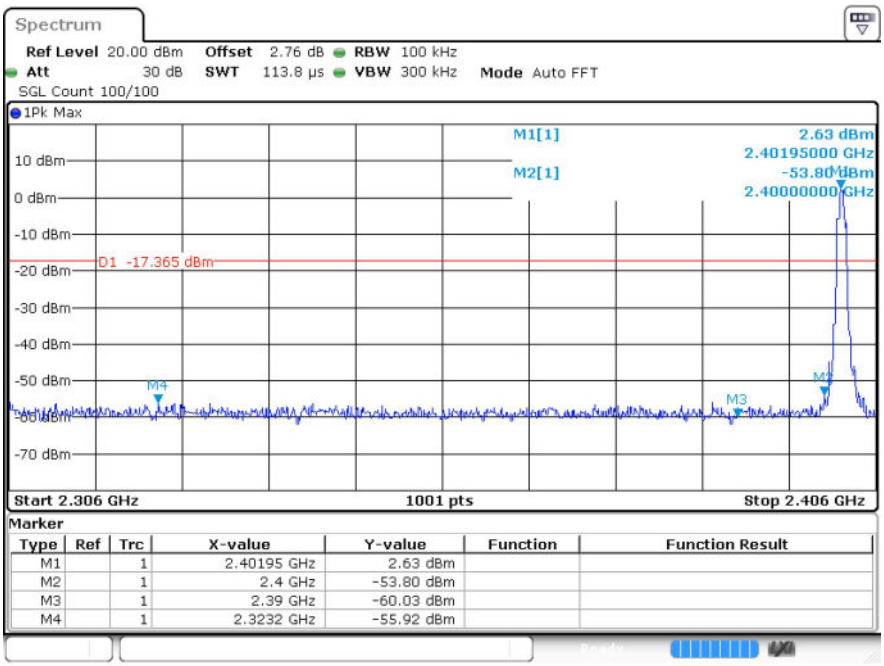
8.2 Test Graphs

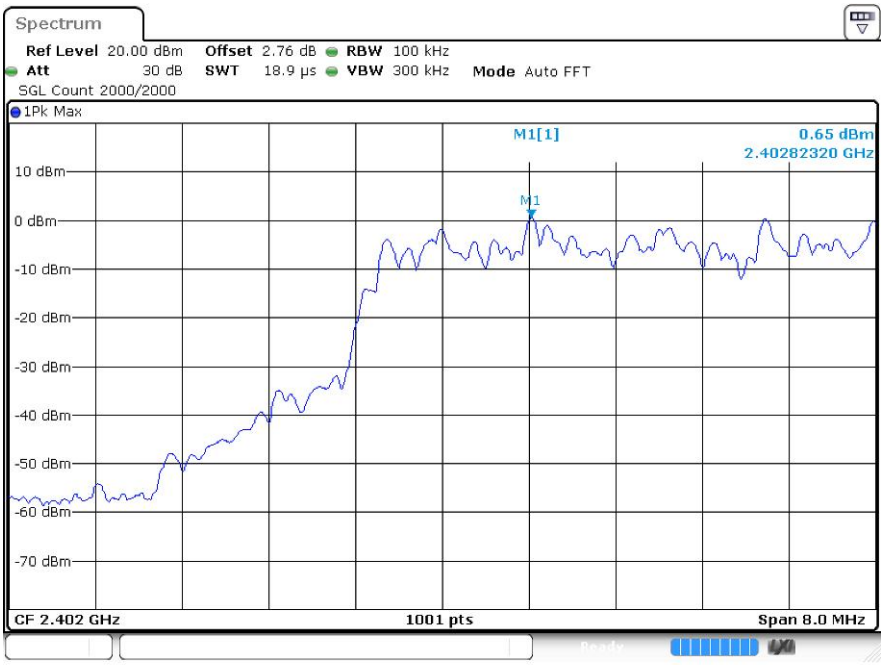
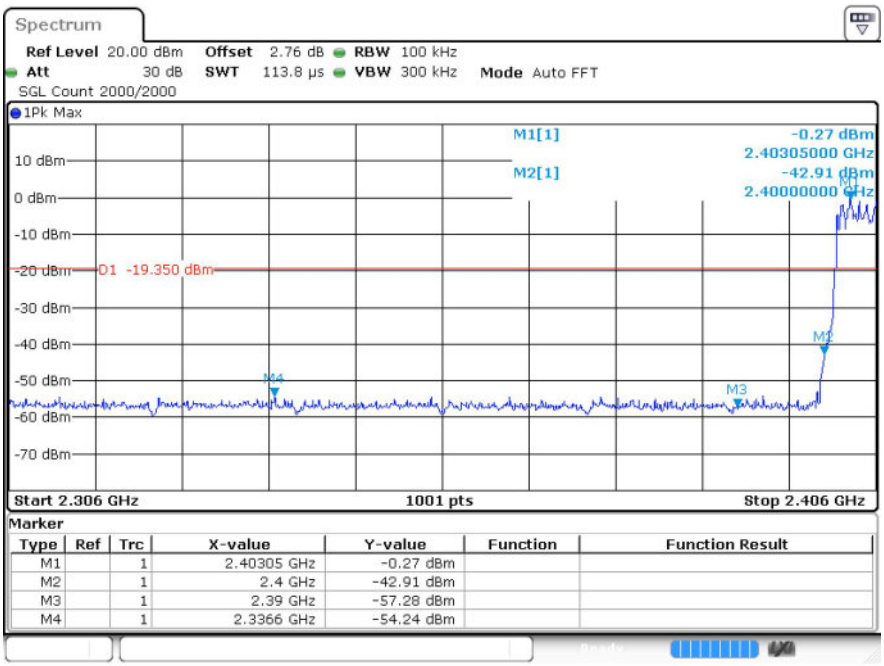
Test Graphs	
Pref	
GFSK/LCH/No Hop	

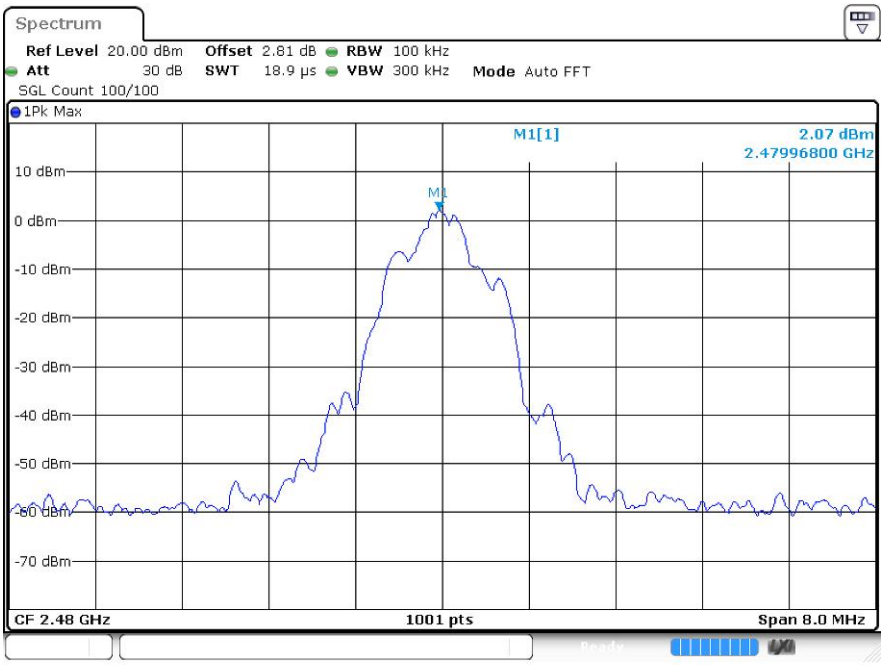
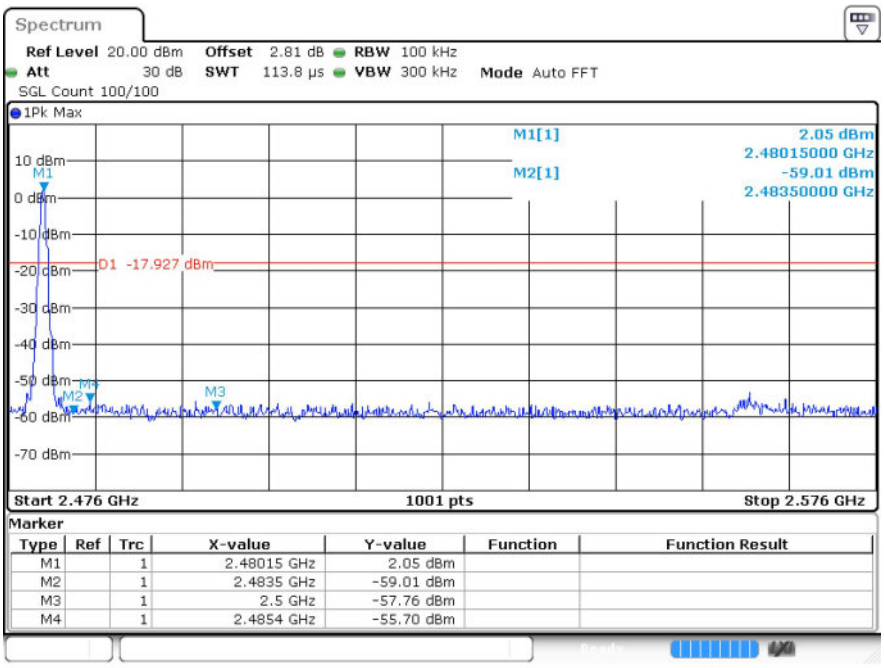
Ref	
GFSK/LCH/Hop	

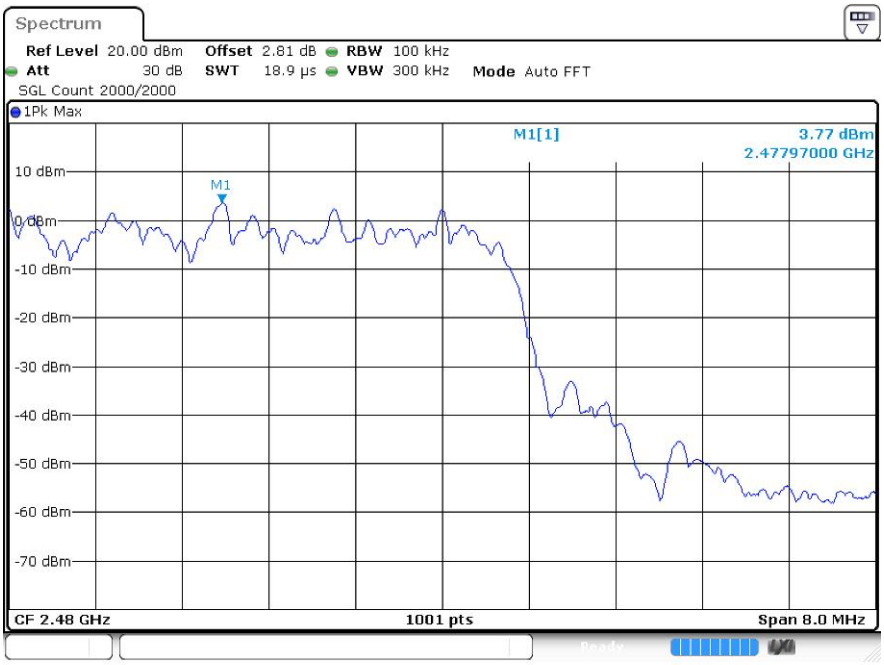
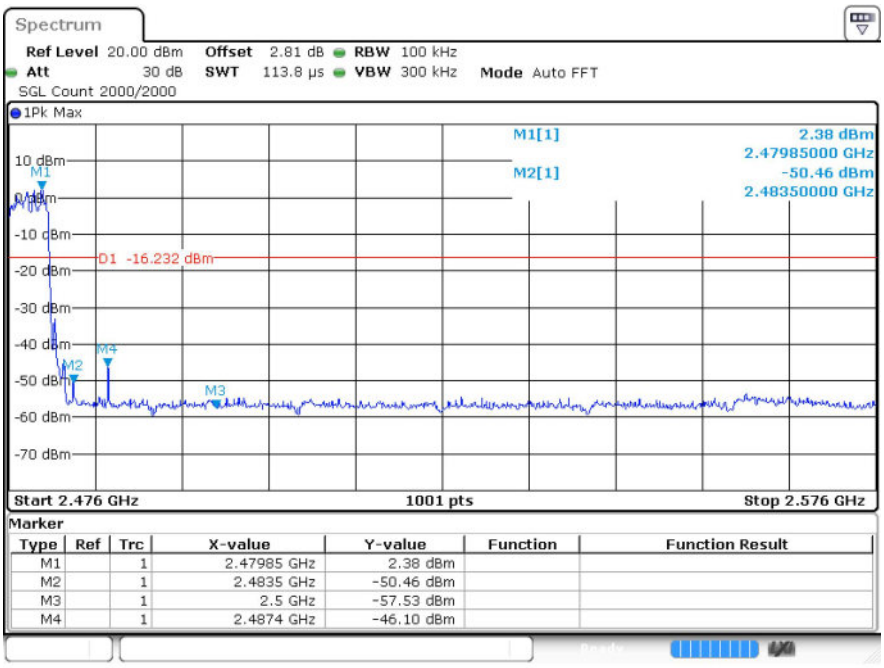
Ref	
GFSK/HCH/No Hop	

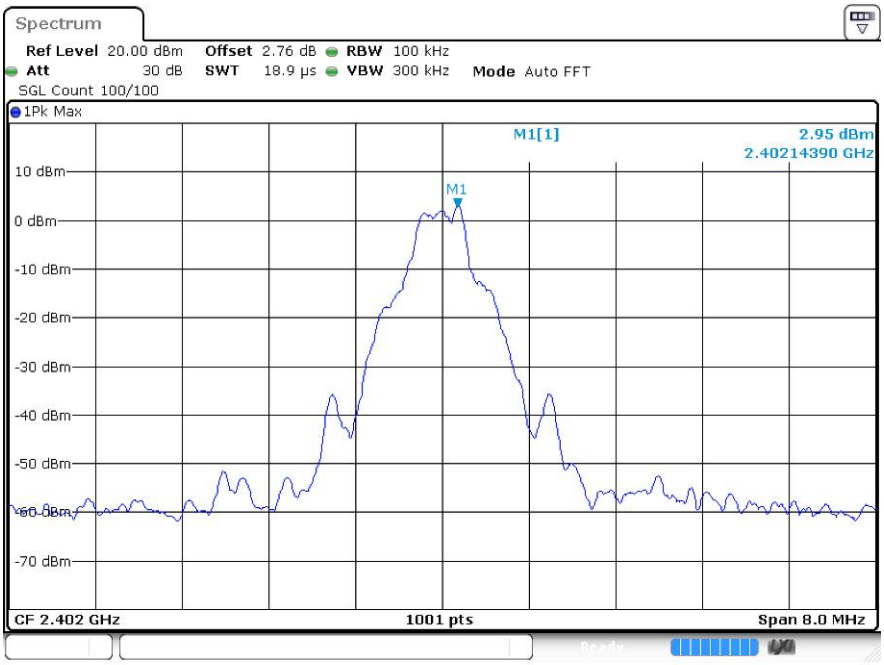
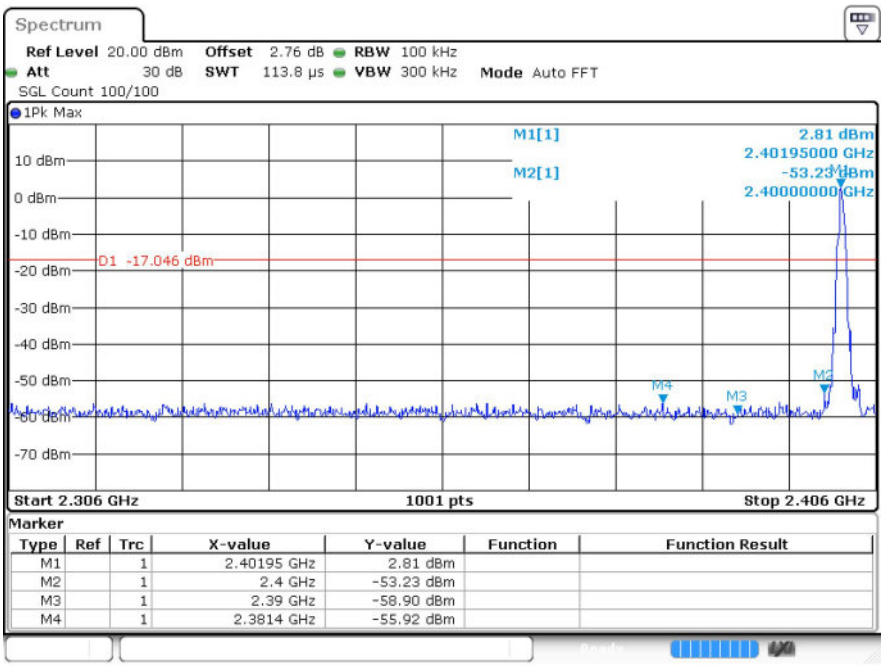
Ref.	
GFSK/HCH/Hop	

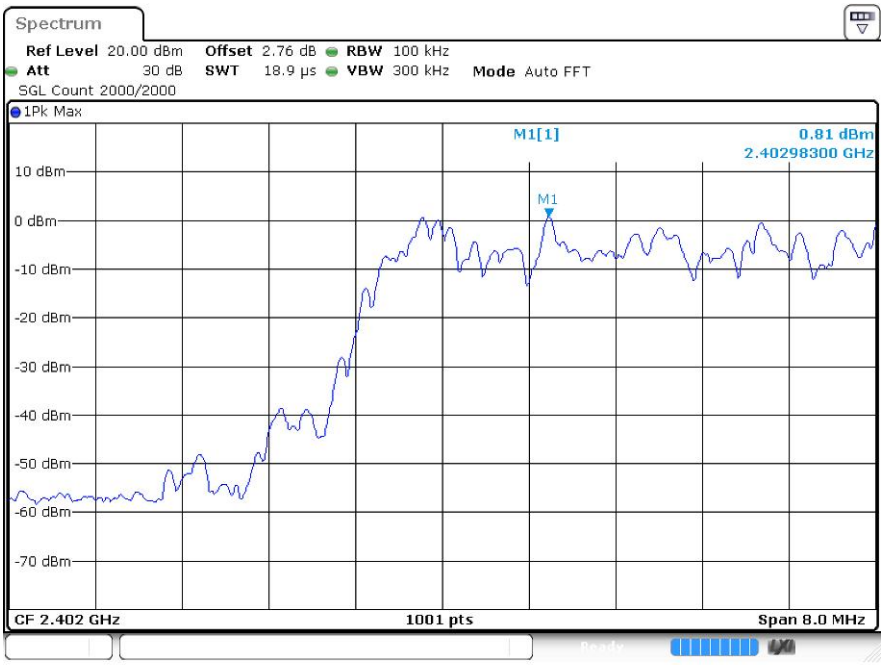
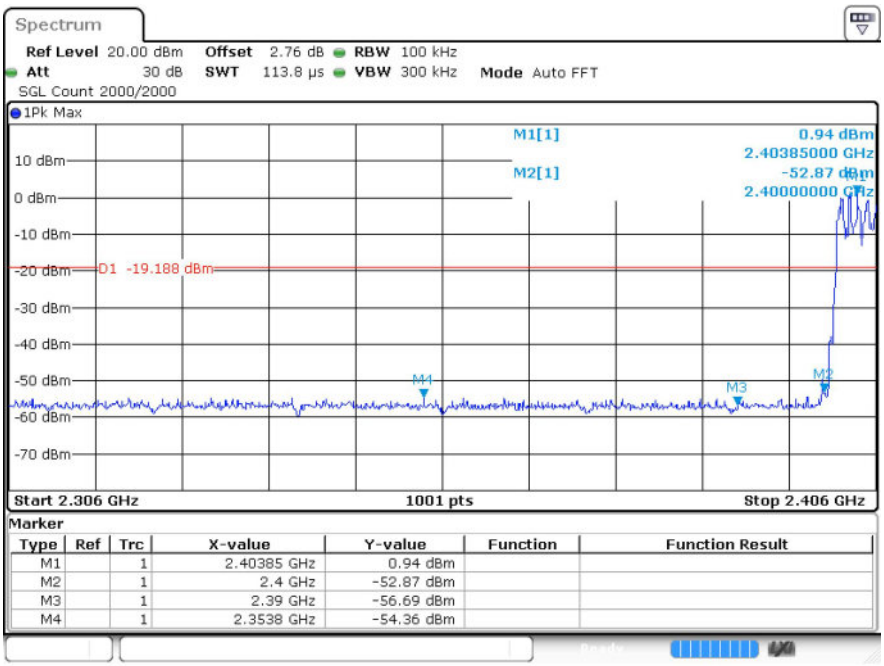
Ref	
π/4DQPSK/LCH/No Hop	

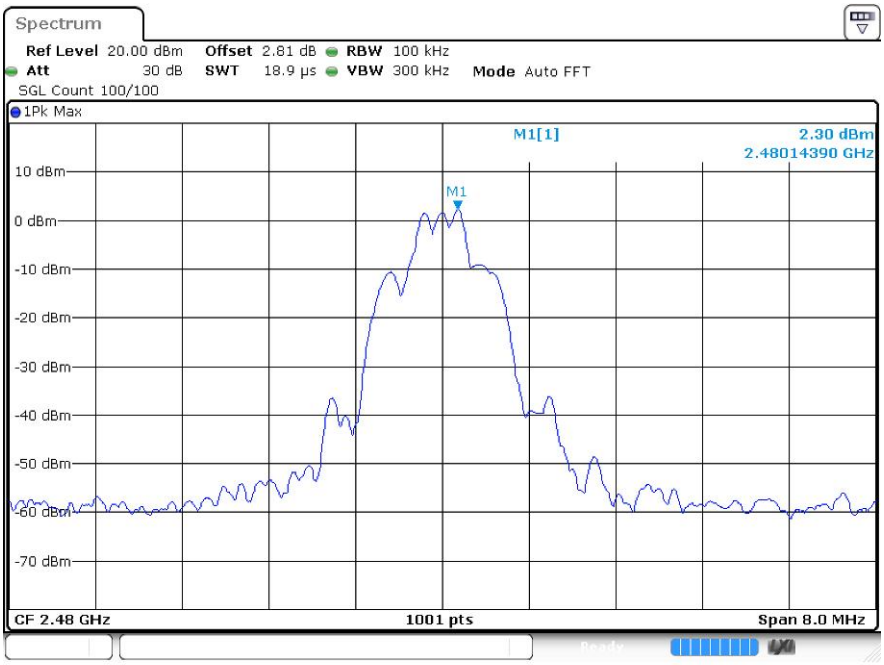
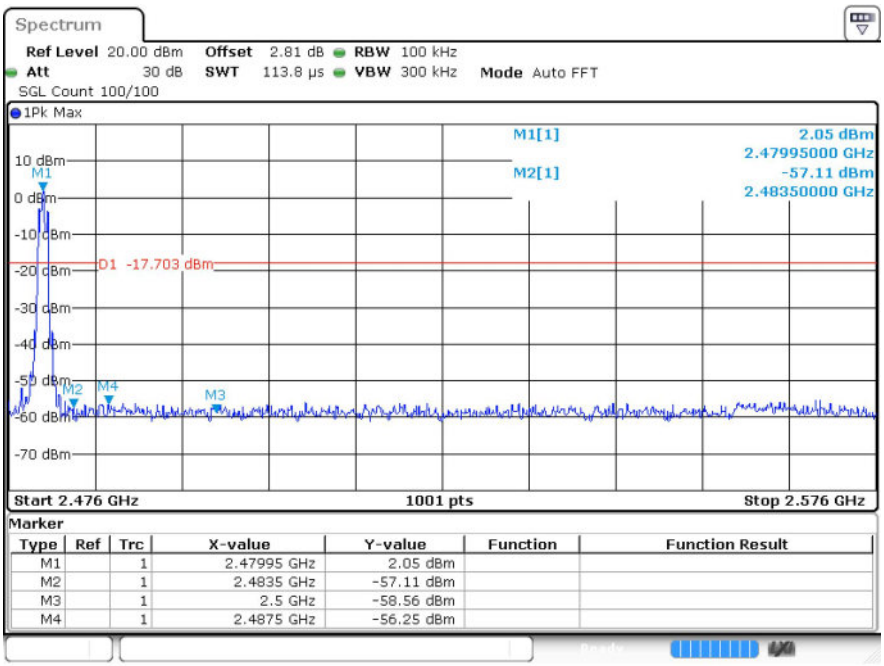
Ref	
π/4DQPSK/LCH/Hop	

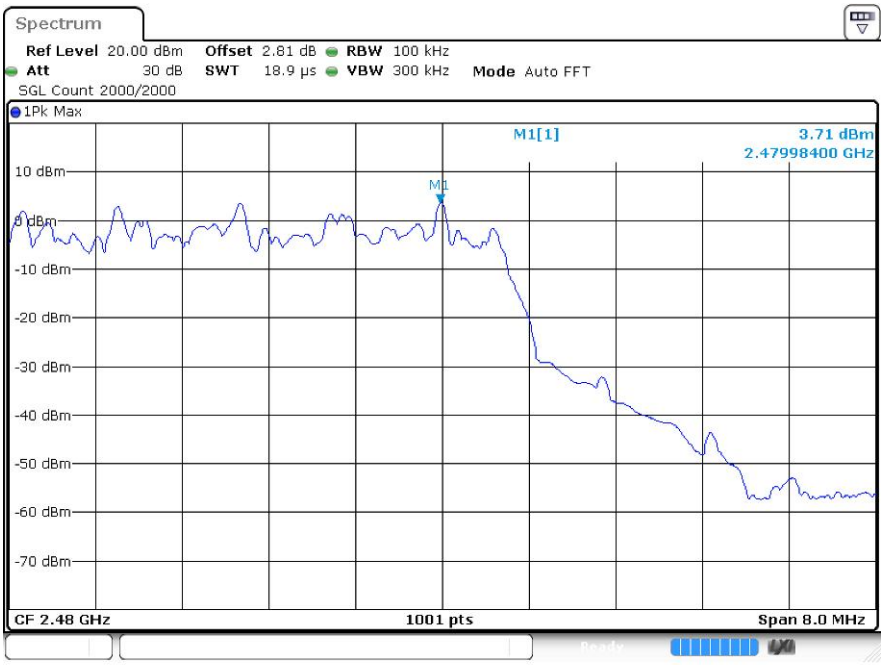
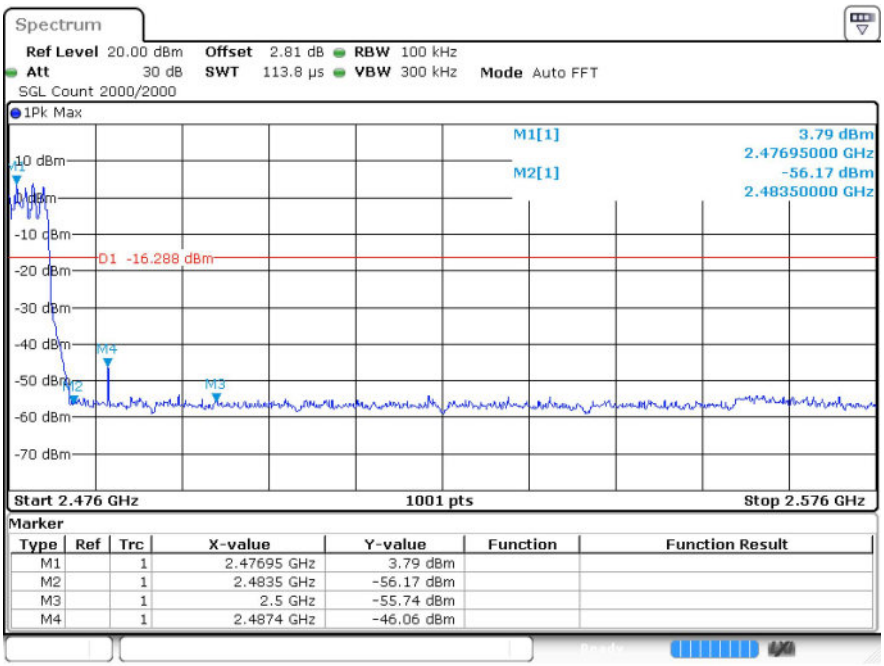
Ref	
π/4DQPSK/HCH/No Hop	

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

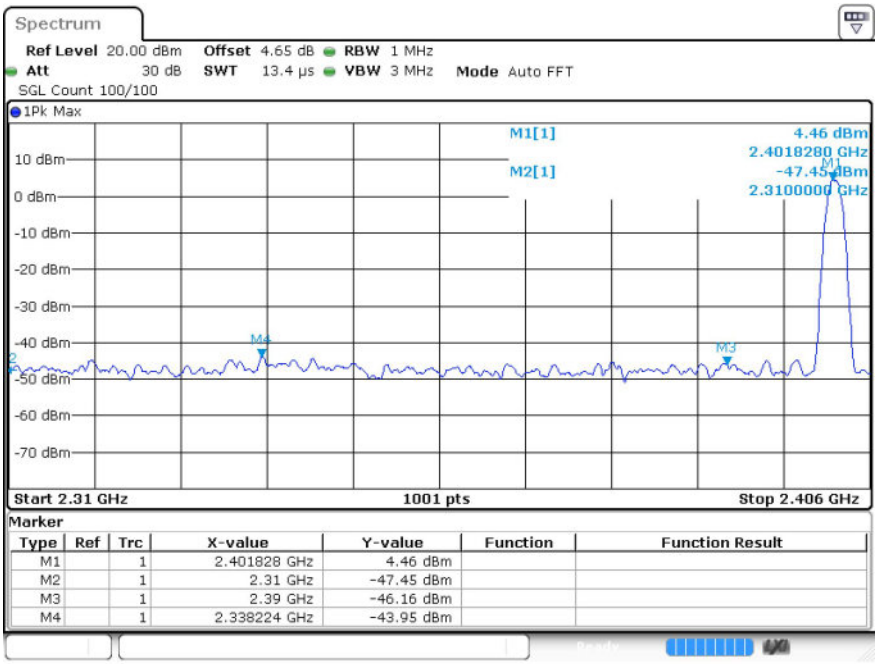
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-47.44	3.69	51.51	PEAK	74	Pass
	Off	2310.0	-55.29	3.69	43.66	AV	54	Pass
	Off	2338.224	-43.94	3.69	55.01	PEAK	74	Pass
	Off	2338.128	-53.37	3.69	45.58	AV	54	Pass
	Off	2390.0	-46.15	3.69	52.80	PEAK	74	Pass
	Off	2390.0	-55.27	3.69	43.68	AV	54	Pass
	Off	2483.5	-46.24	3.69	52.71	PEAK	74	Pass
	Off	2483.5	-55.46	3.69	43.49	AV	54	Pass
	Off	2498.2	-43.77	3.69	55.18	PEAK	74	Pass
	Off	2497.84	-54.61	3.69	44.34	AV	54	Pass
	Off	2500.0	-47.17	3.69	51.78	PEAK	74	Pass
	Off	2500.0	-55.66	3.69	43.29	AV	54	Pass
π/4DQPSK	Off	2310.0	-45.91	3.69	53.04	PEAK	74	Pass
	Off	2310.0	-55.34	3.69	43.61	AV	54	Pass
	Off	2340.048	-43.7	3.69	55.25	PEAK	74	Pass
	Off	2339.952	-53.25	3.69	45.70	AV	54	Pass
	Off	2390.0	-46.91	3.69	52.04	PEAK	74	Pass
	Off	2390.0	-56.18	3.69	42.77	AV	54	Pass
	Off	2483.5	-45.31	3.69	53.64	PEAK	74	Pass
	Off	2483.5	-55.53	3.69	43.42	AV	54	Pass
	Off	2483.512	-45.31	3.69	53.64	PEAK	74	Pass
	Off	2499.304	-55.04	3.69	43.91	AV	54	Pass
	Off	2500.0	-46.17	3.69	52.78	PEAK	74	Pass
	Off	2500.0	-55.65	3.69	43.30	AV	54	Pass
8DPSK	Off	2310.0	-47.05	3.69	51.90	PEAK	74	Pass
	Off	2310.0	-55.65	3.69	43.30	AV	54	Pass
	Off	2342.064	-43.67	3.69	55.28	PEAK	74	Pass
	Off	2340.24	-53.58	3.69	45.37	AV	54	Pass

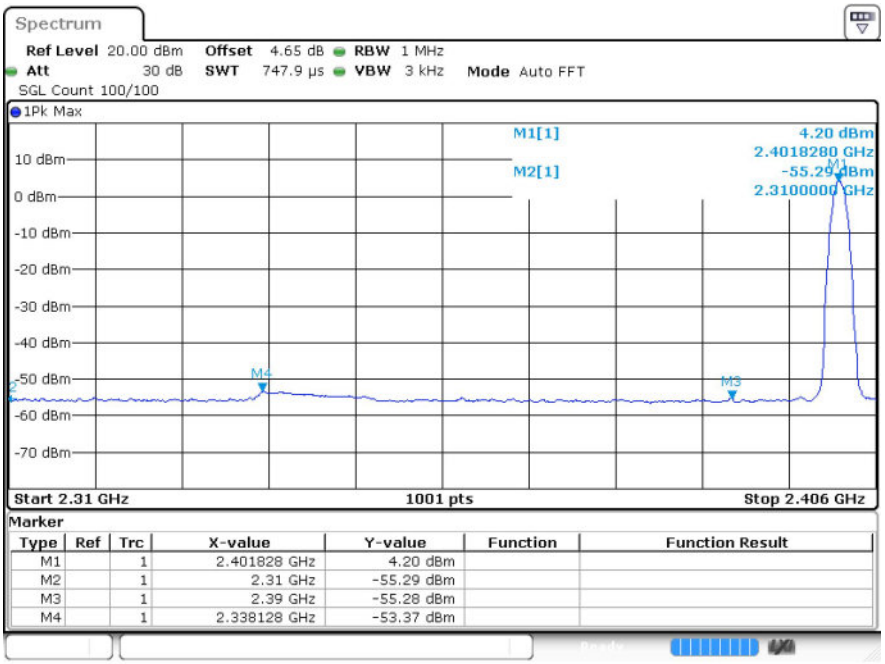
	Off	2390.0	-47.87	3.69	51.08	PEAK	74	Pass
	Off	2390.0	-56.14	3.69	42.81	AV	54	Pass
	Off	2483.5	-45.35	3.69	53.60	PEAK	74	Pass
	Off	2483.5	-55.37	3.69	43.58	AV	54	Pass
	Off	2487.016	-44.77	3.69	54.18	PEAK	74	Pass
	Off	2496.016	-54.89	3.69	44.06	AV	54	Pass
	Off	2500.0	-47.68	3.69	51.27	PEAK	74	Pass
	Off	2500.0	-54.9	3.69	44.05	AV	54	Pass

9.2 Test Graphs

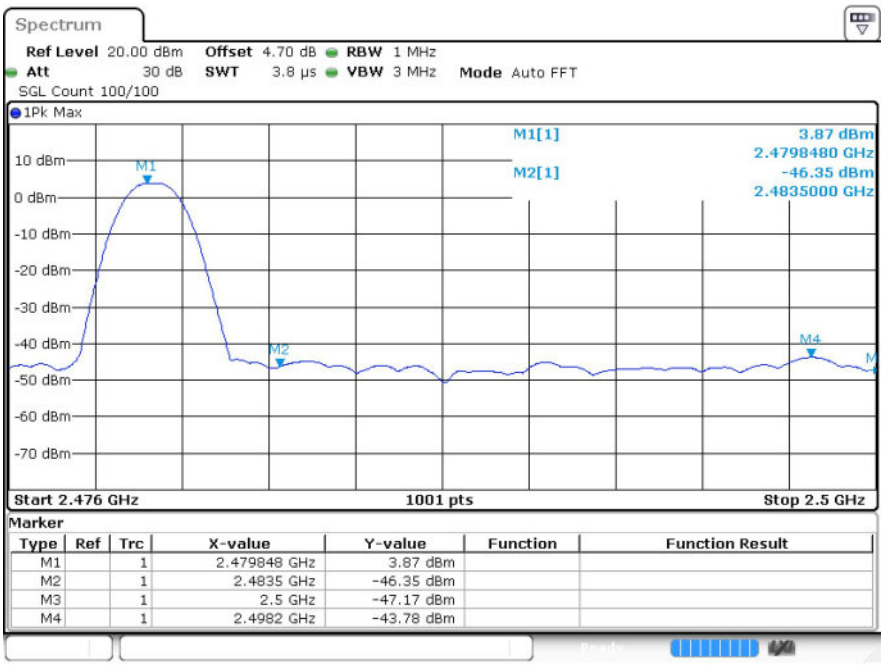
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



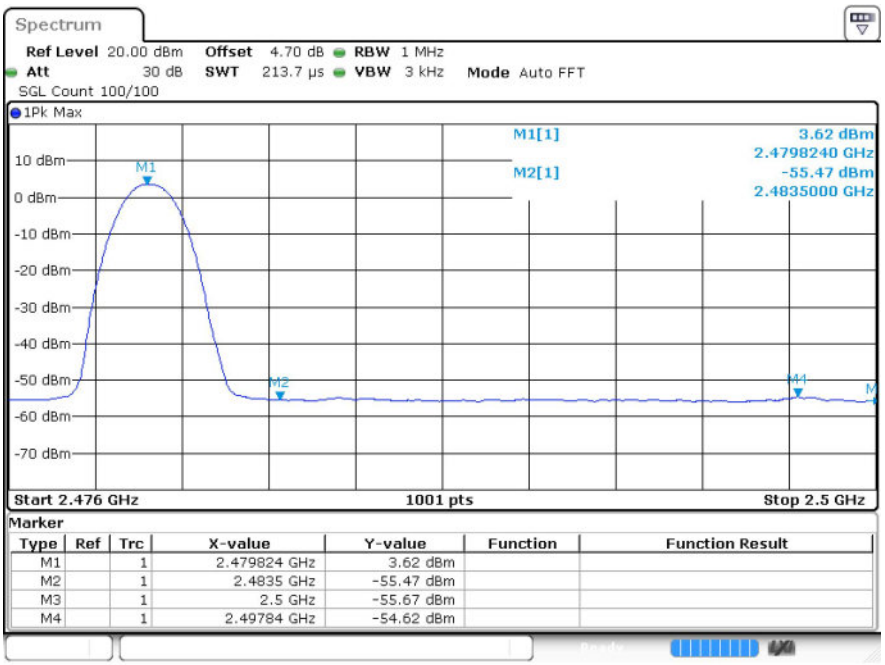
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



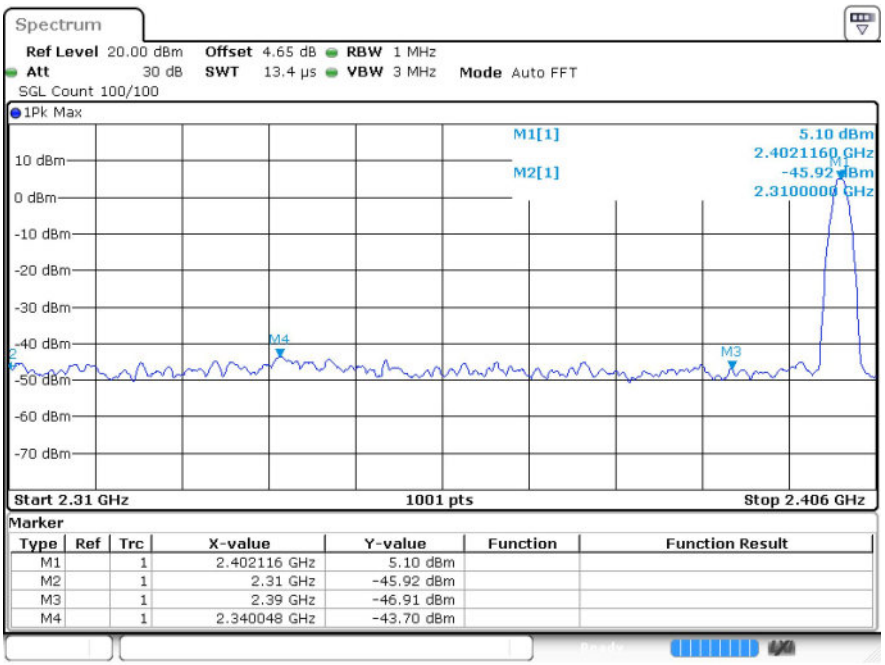
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



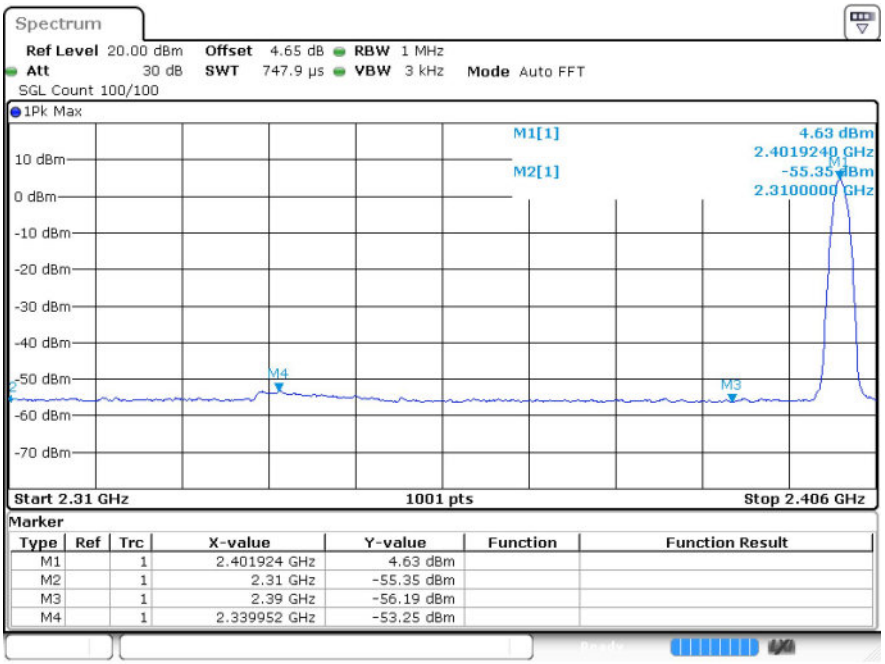
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



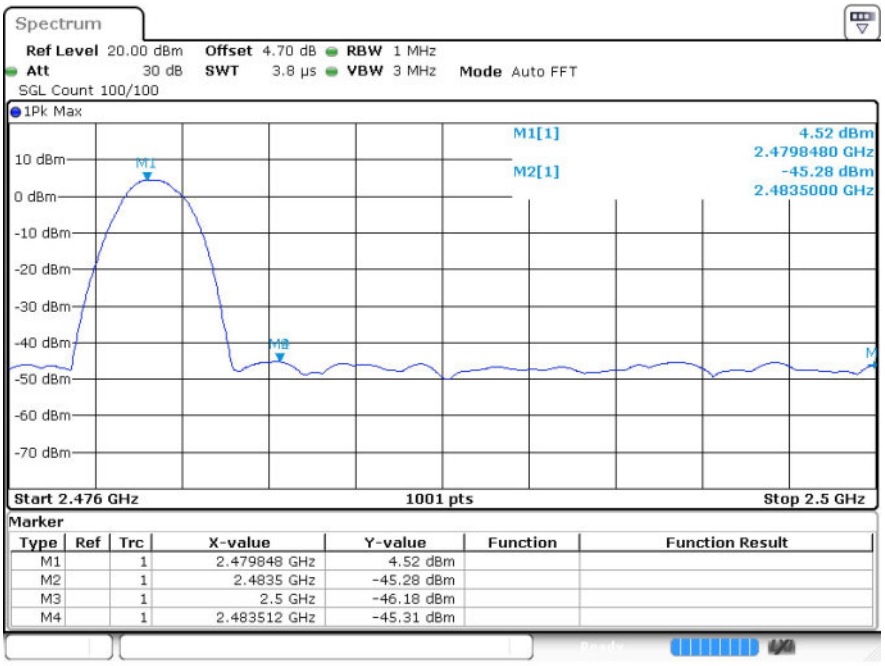
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



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



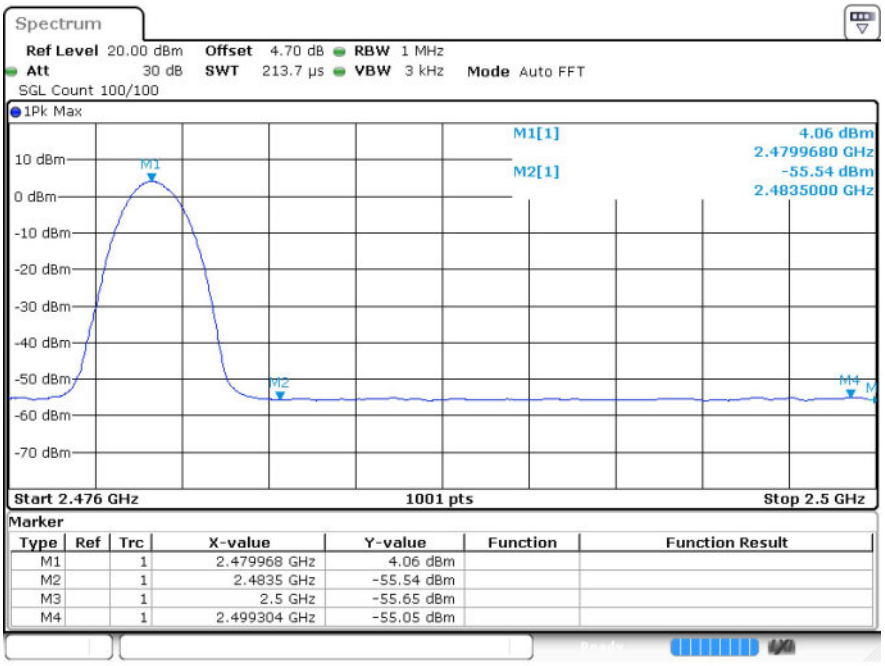
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.479848 GHz	4.52 dBm		
M2		1	2.4835 GHz	-45.28 dBm		
M3		1	2.5 GHz	-46.18 dBm		
M4		1	2.483512 GHz	-45.31 dBm		

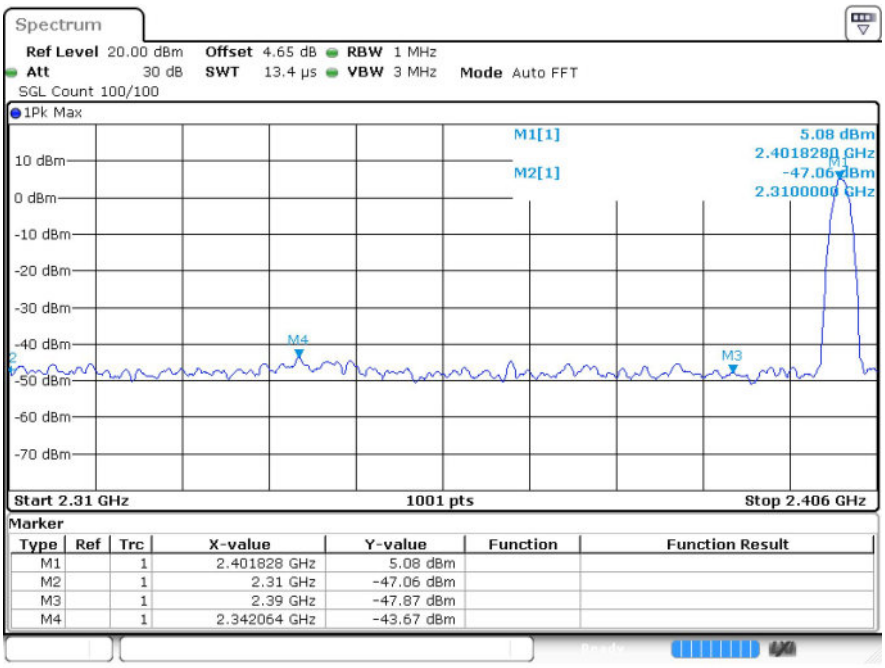
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



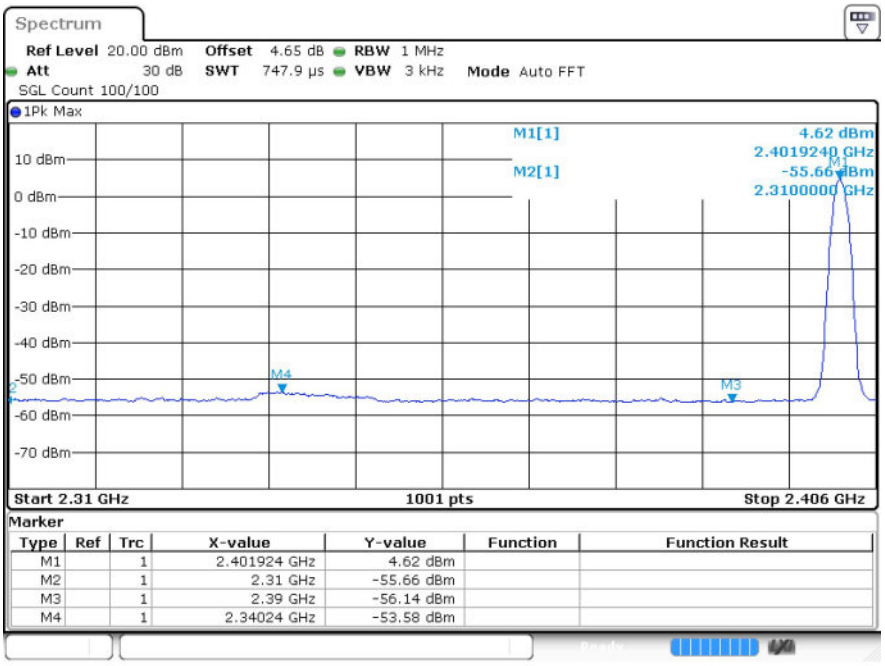
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.479968 GHz	4.06 dBm		
M2		1	2.4835 GHz	-55.54 dBm		
M3		1	2.5 GHz	-55.65 dBm		
M4		1	2.499304 GHz	-55.05 dBm		

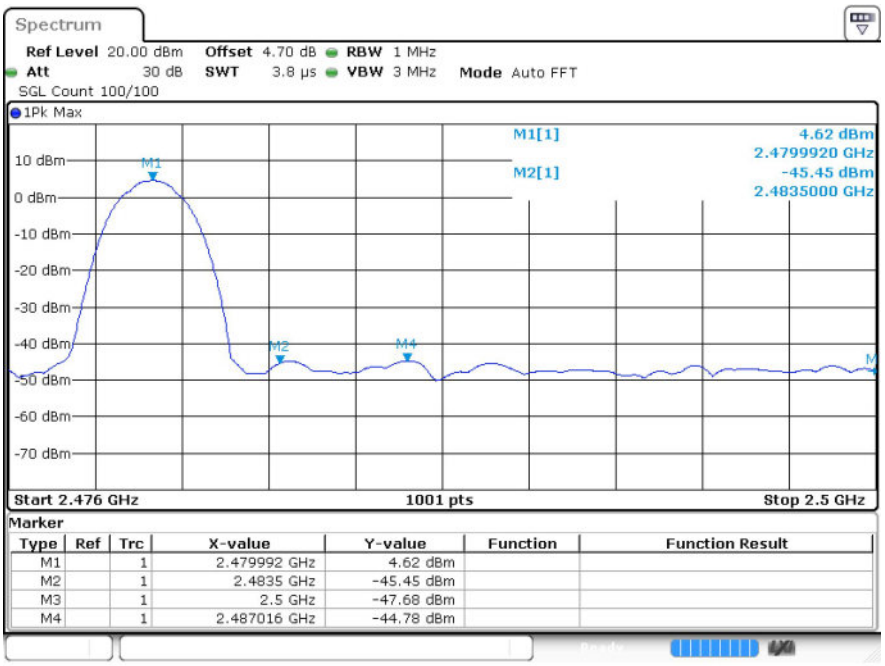
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



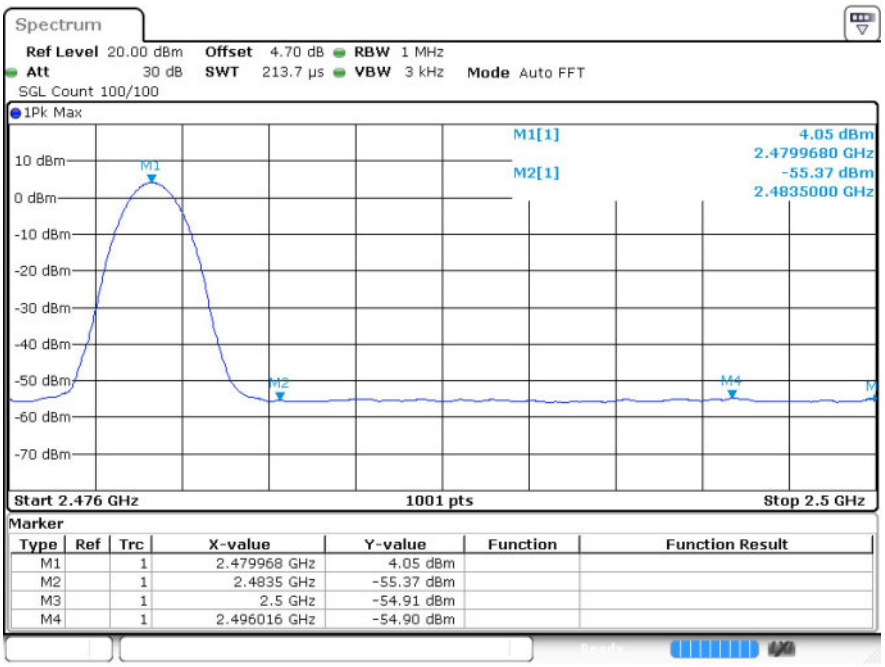
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---