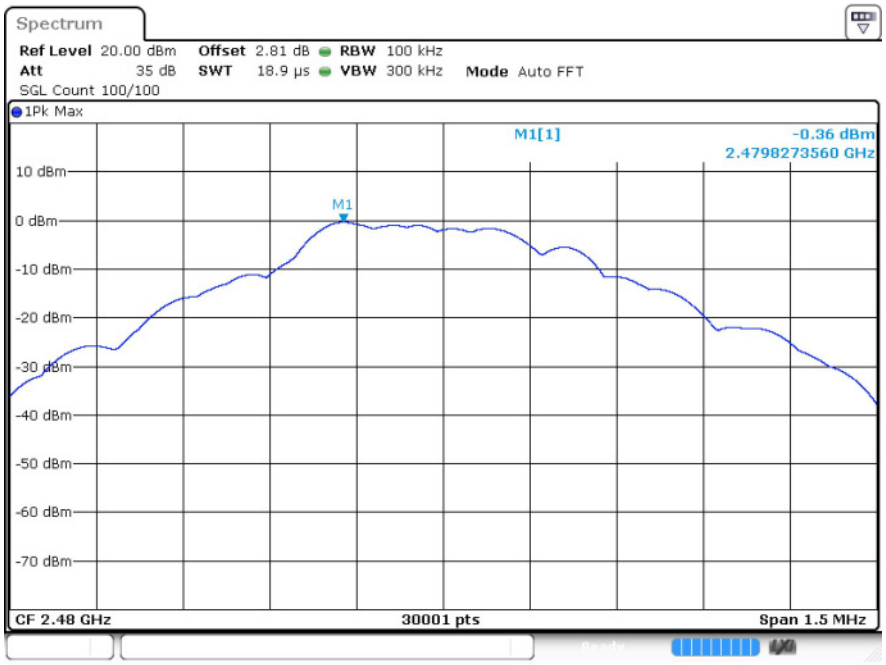
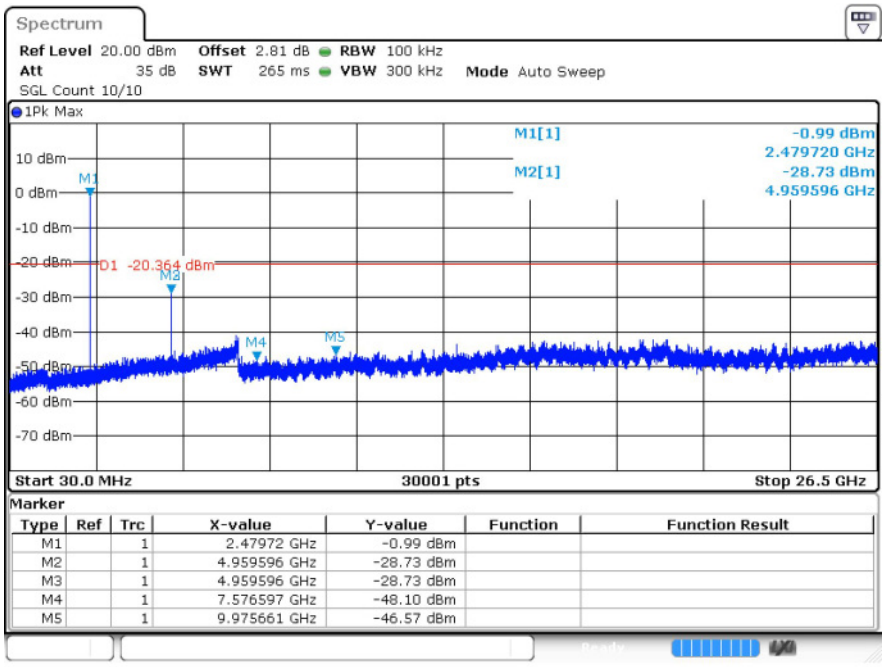
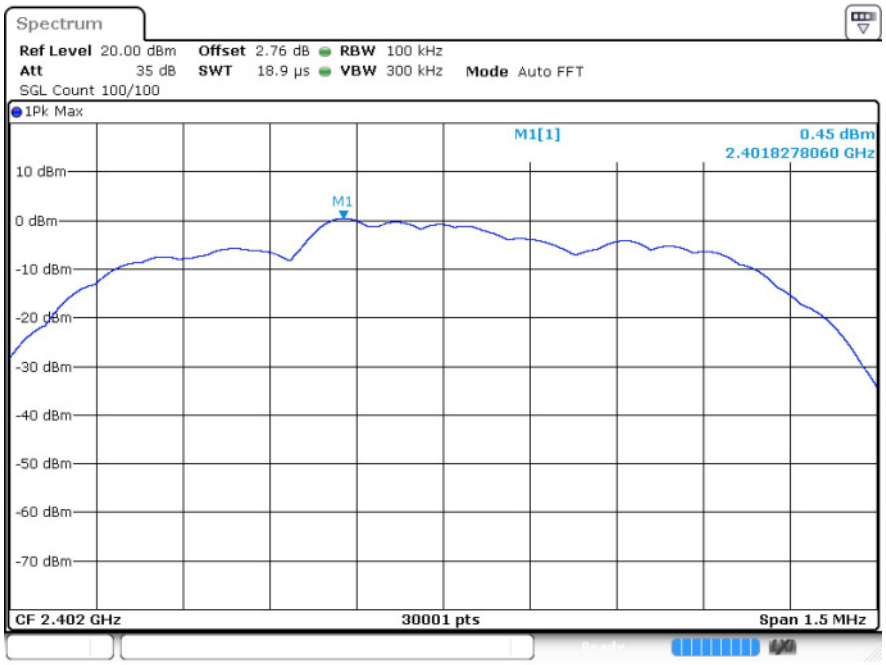
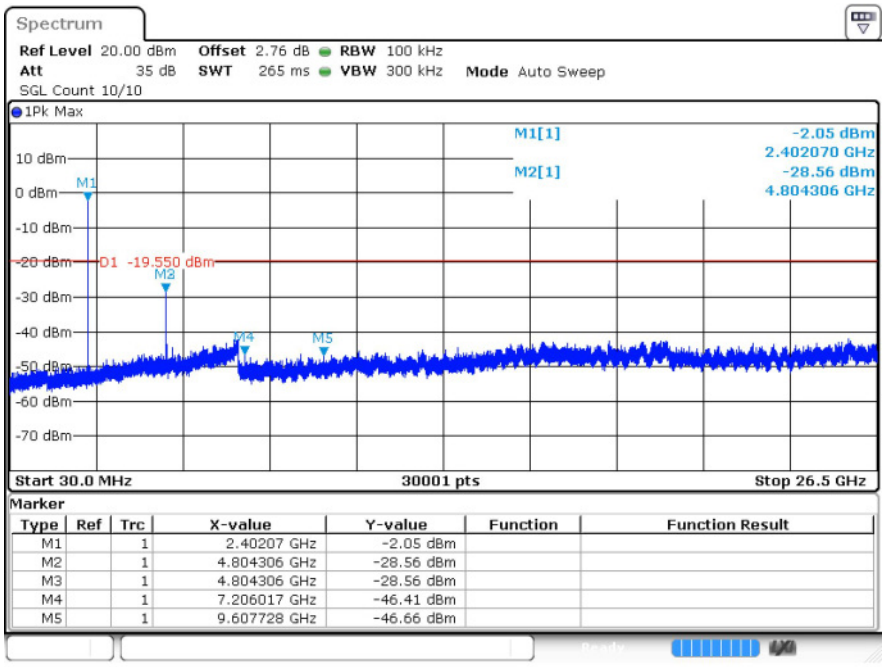
GFSK_HCH_Graphs	
Pref	
Puw	

π/4DQPSK_LCH_Graphs	
Pref	
Puw	

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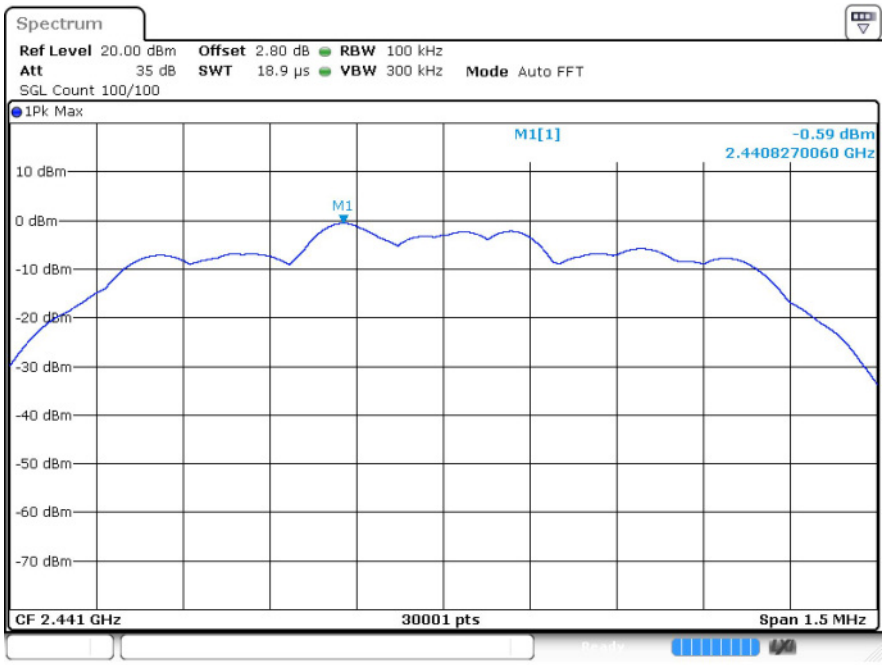
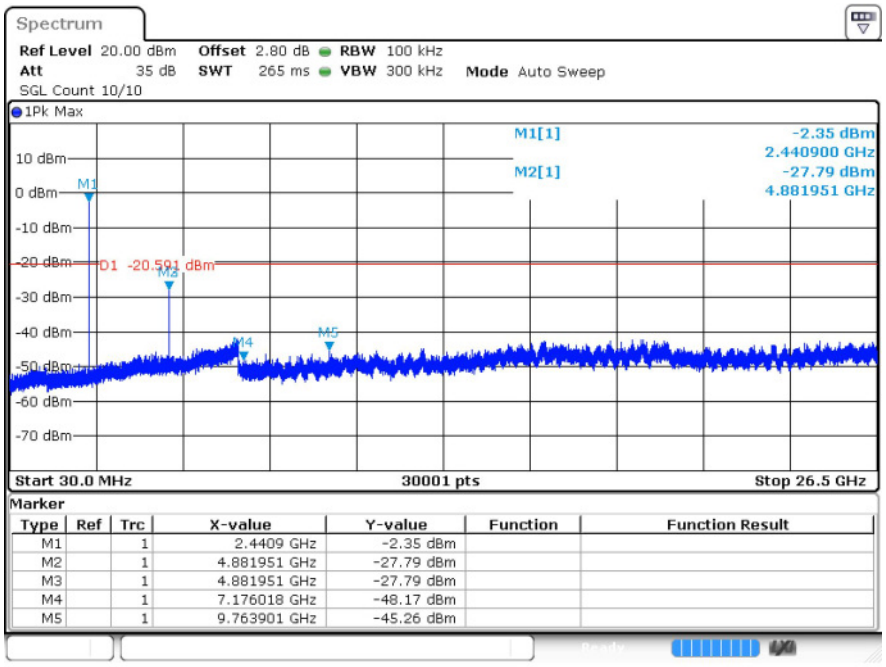
Pref	
Puw	

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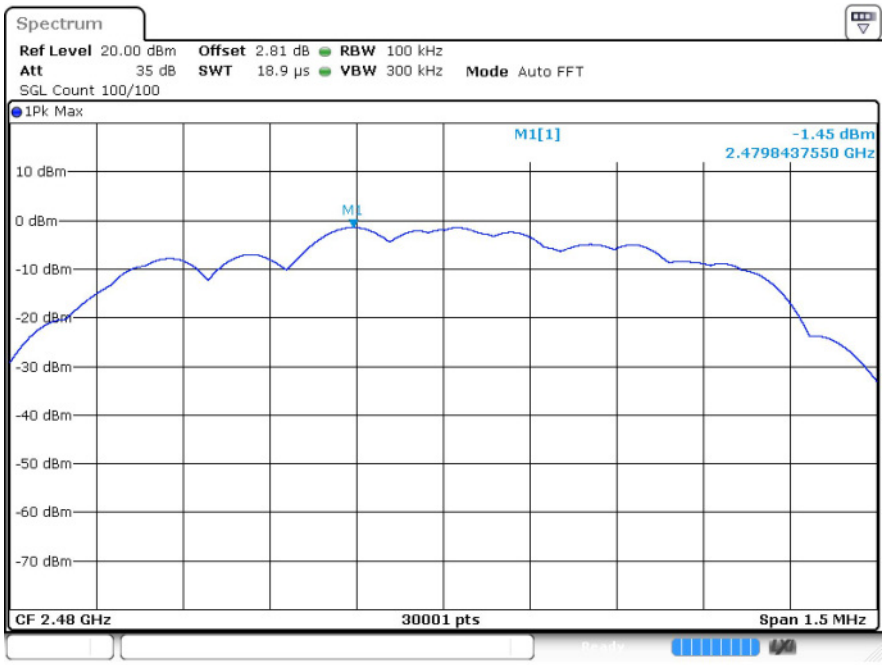
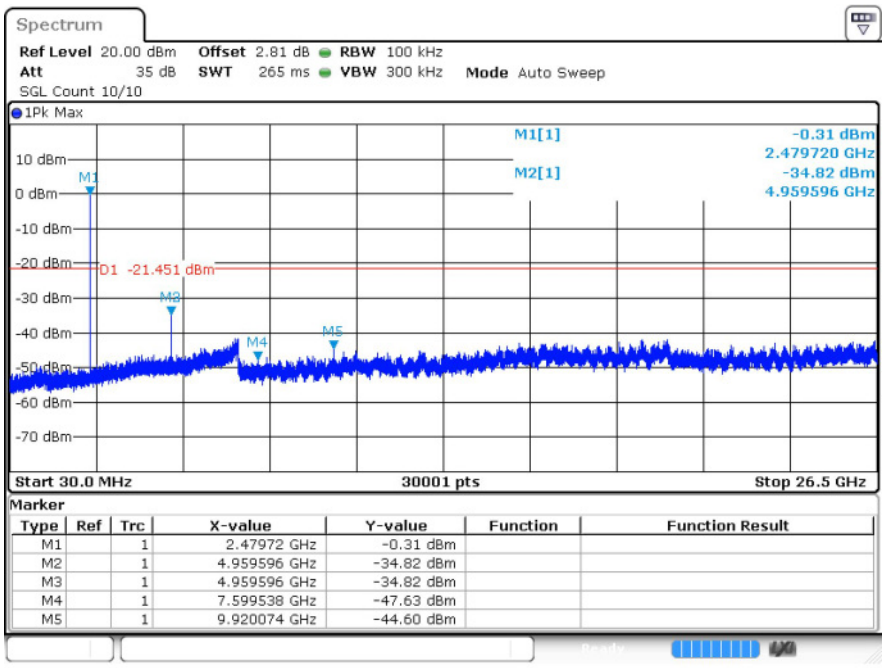
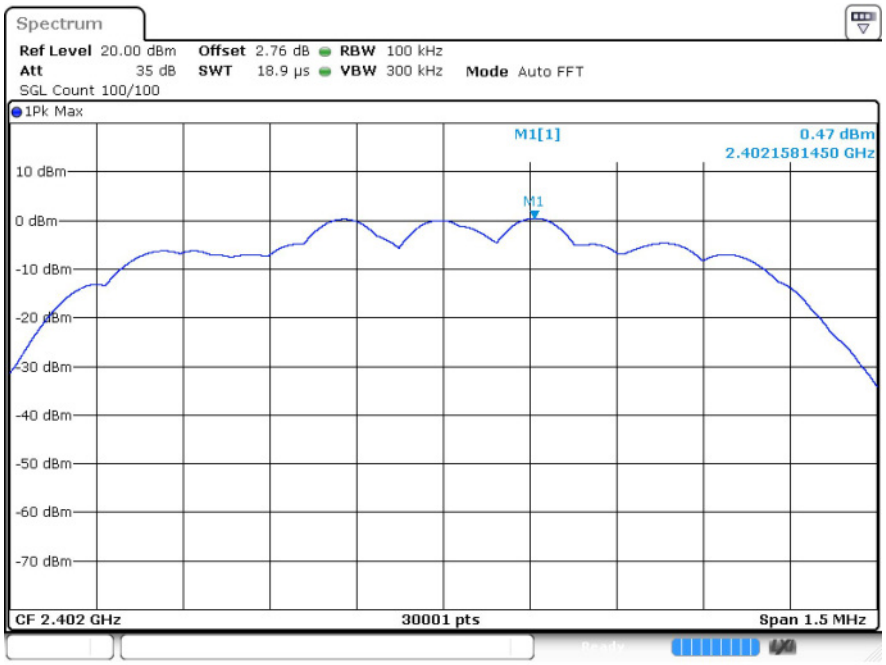
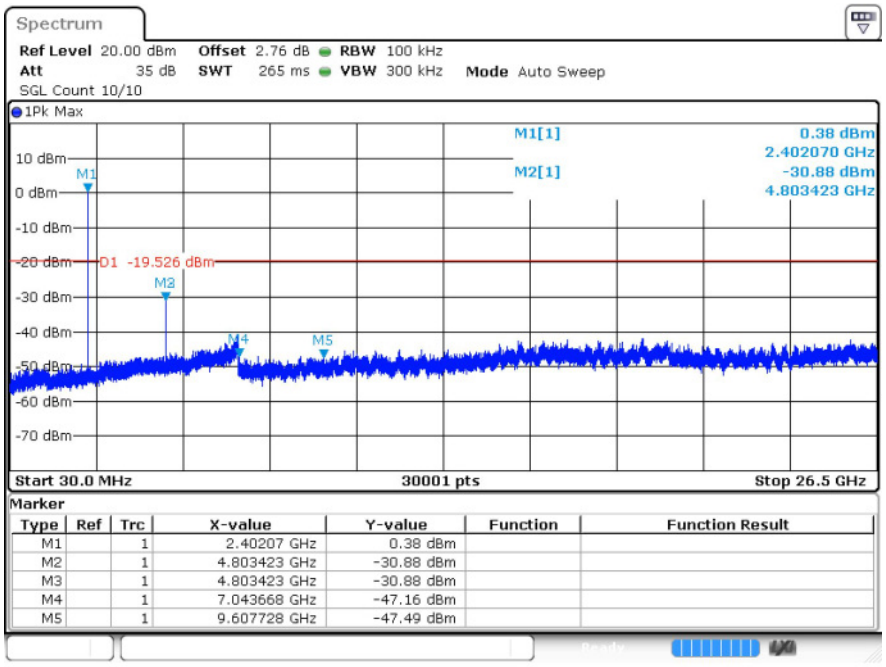
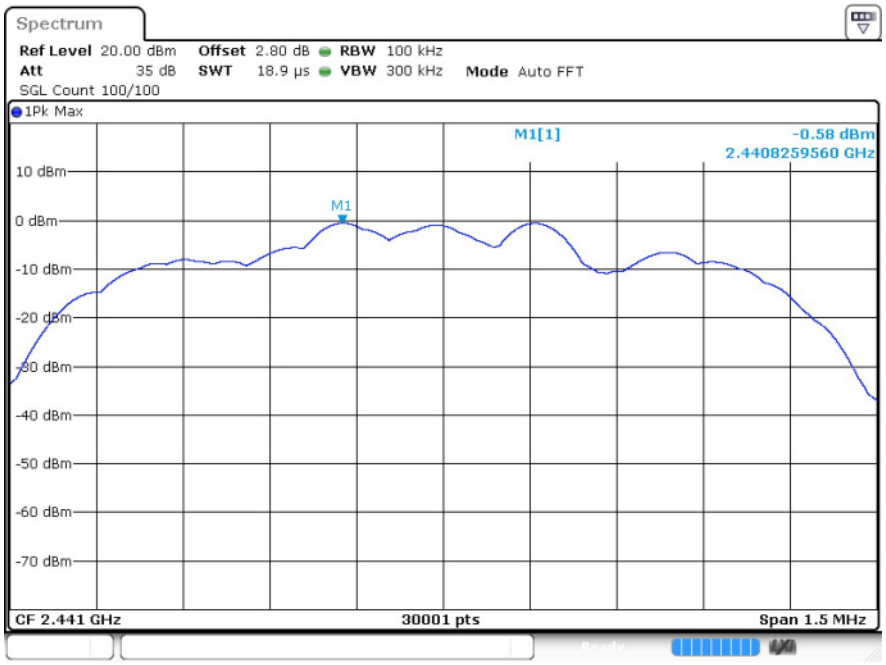
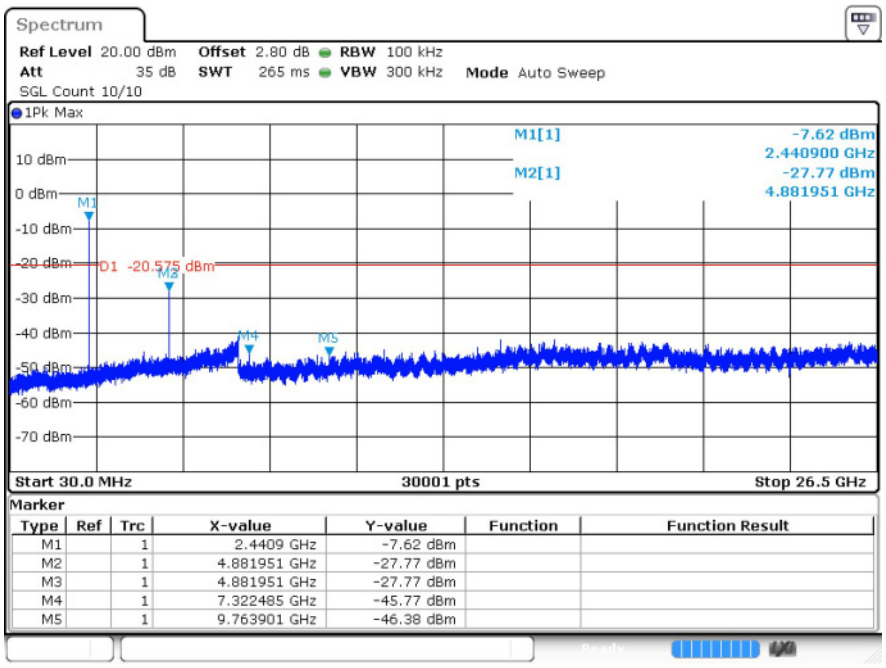
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

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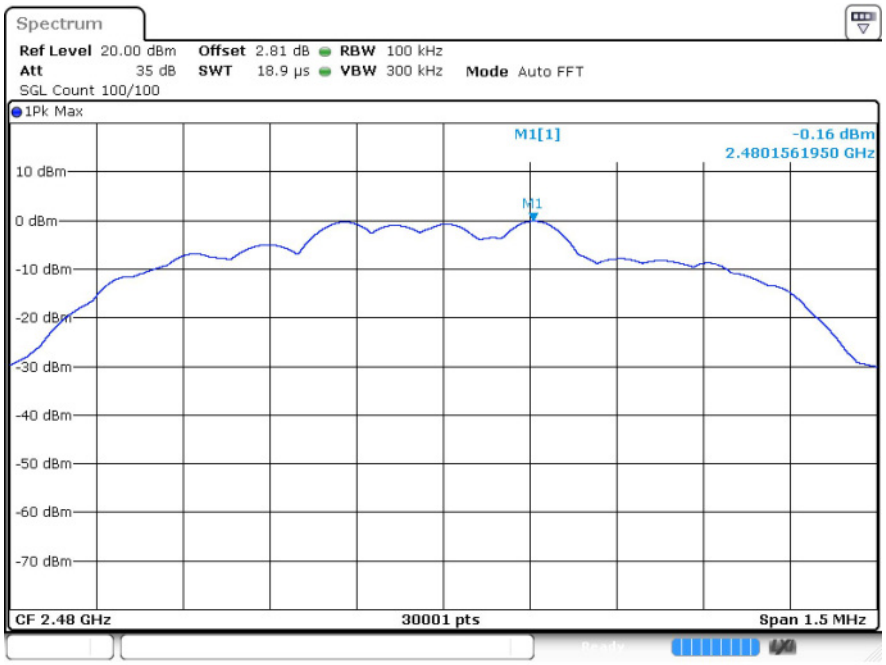
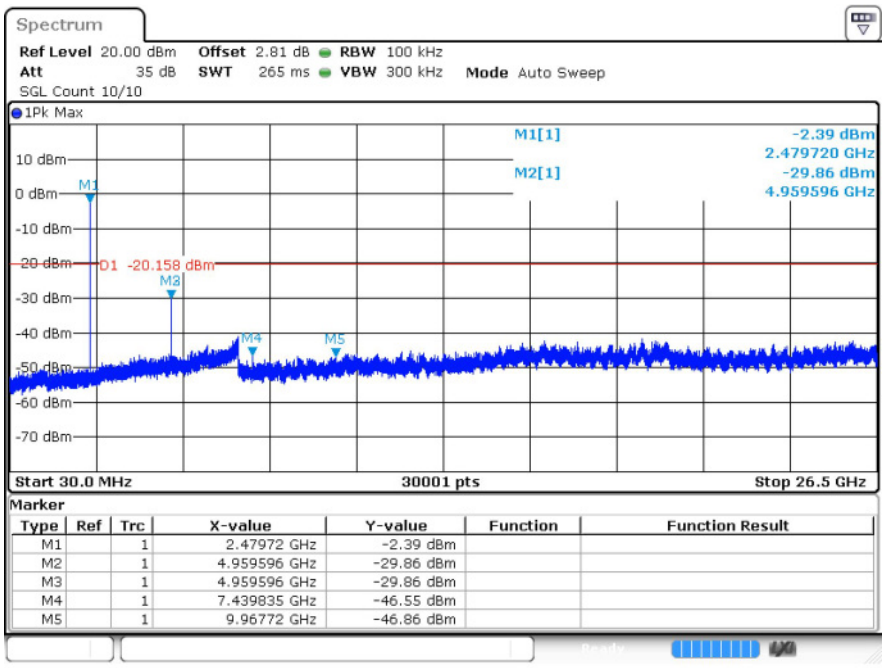
Pref	
Puw	

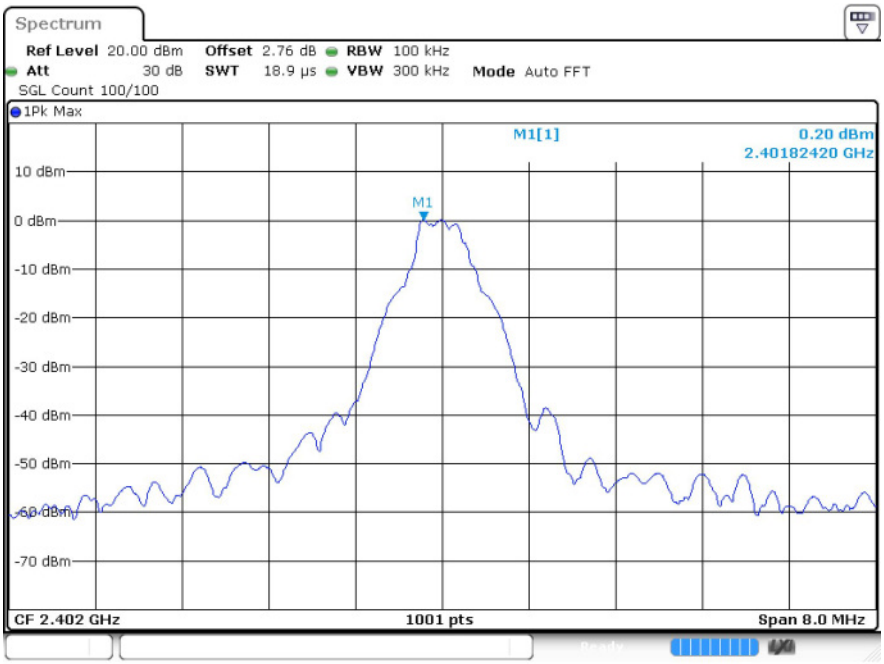
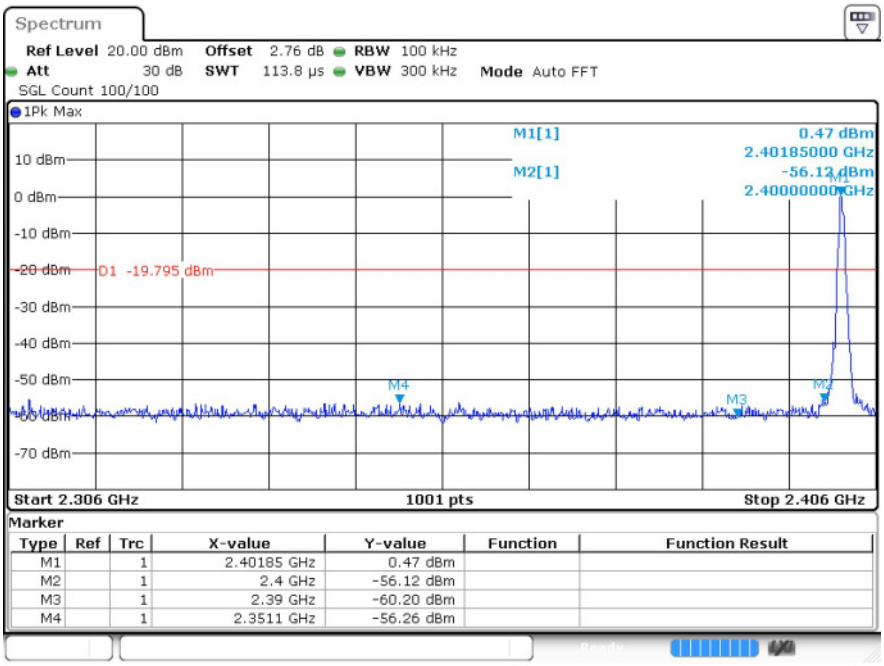
8 Band-edge for RF Conducted Emissions

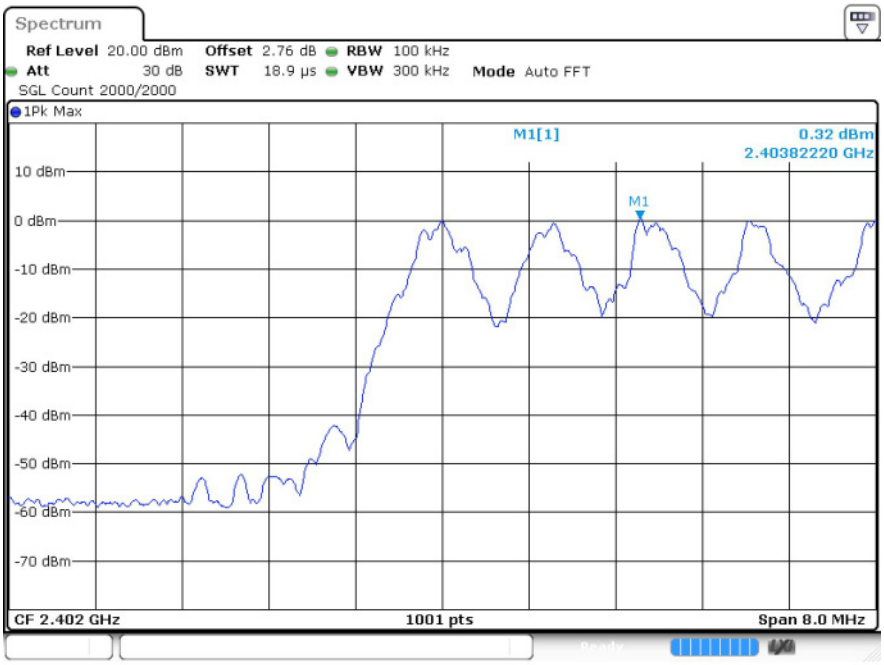
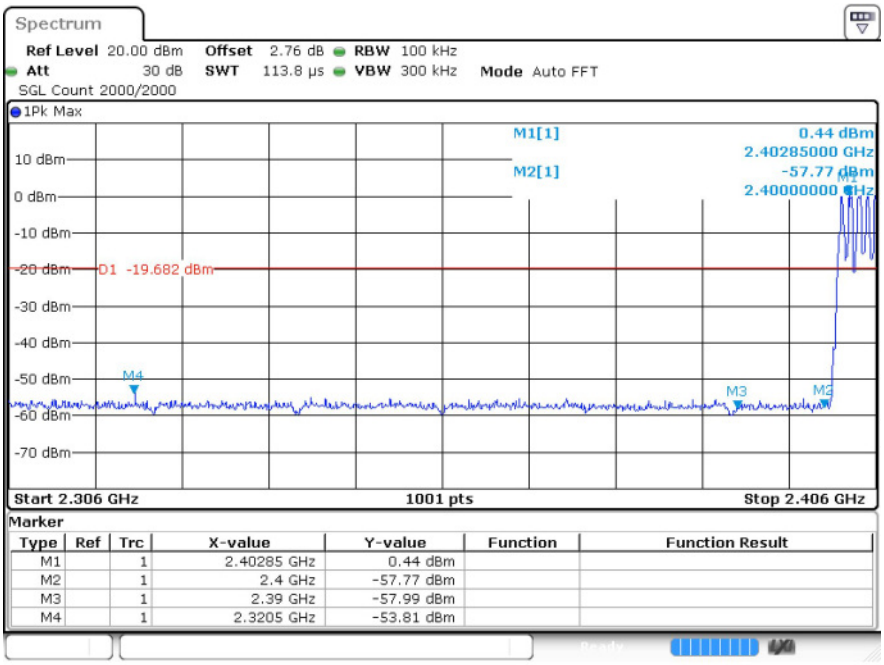
8.1 Test Result

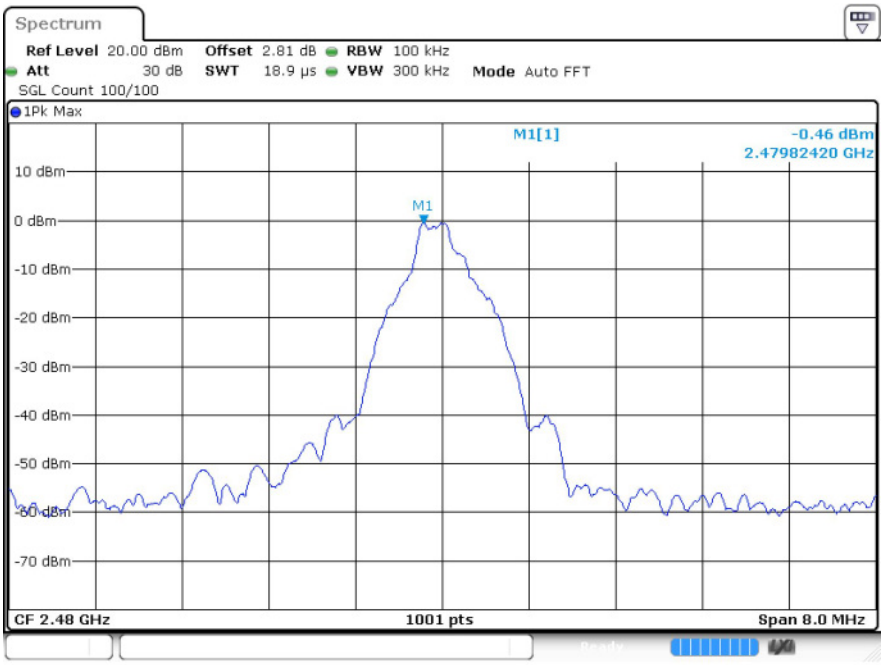
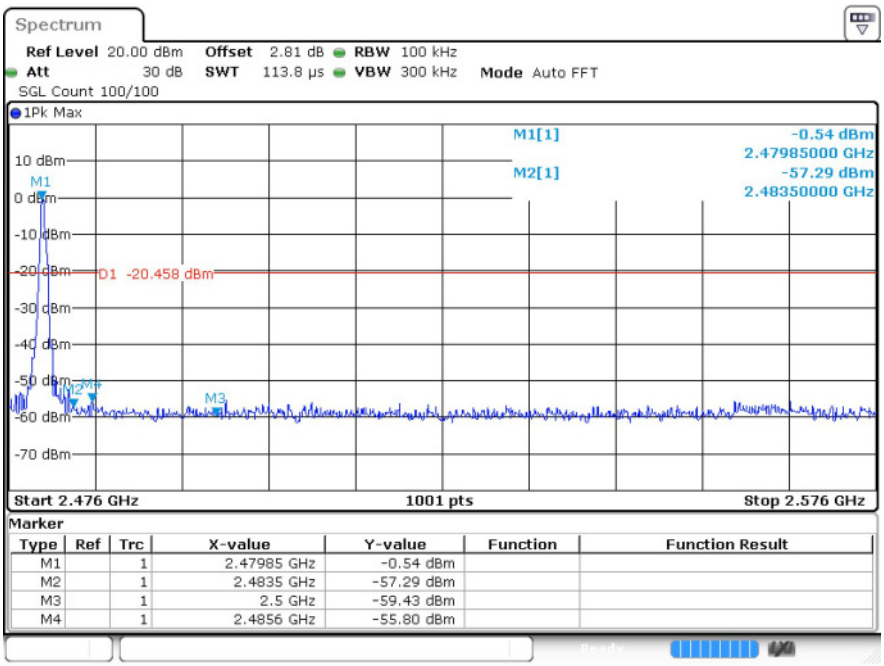
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-56.46	-20	Pass
			On	-54.12	-20	Pass
	HCH	2480	Off	-55.34	-20	Pass
			On	-54.61	-20	Pass
π/4DQPSK	LCH	2402	Off	-55.32	-20	Pass
			On	-55.2	-20	Pass
	HCH	2480	Off	-55.57	-20	Pass
			On	-54.91	-20	Pass
8DPSK	LCH	2402	Off	-55.51	-20	Pass
			On	-55	-20	Pass
	HCH	2480	Off	-50.05	-20	Pass
			On	-54.38	-20	Pass

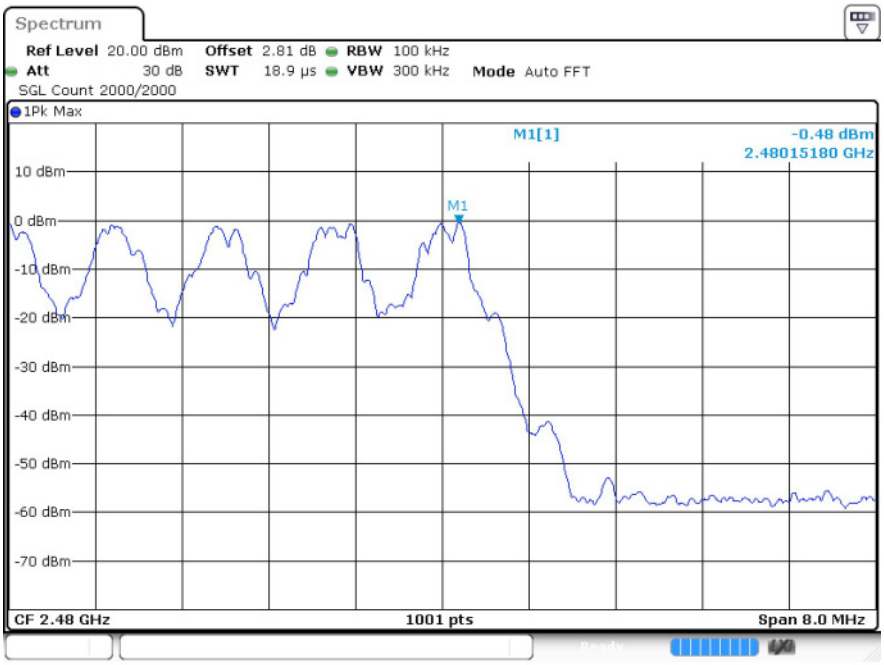
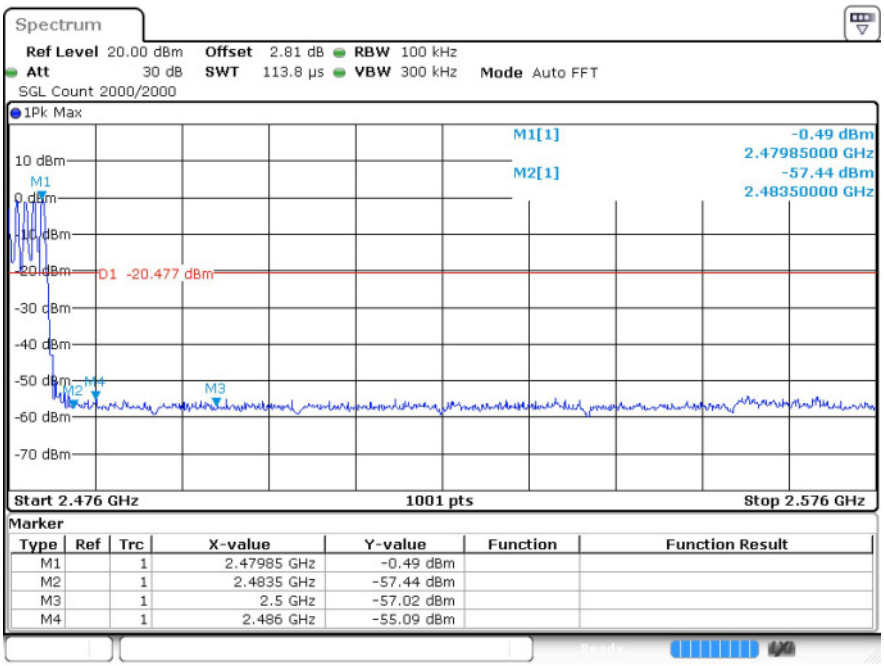
Note:Left and right ear have been tested and the only shows the worst case mode.

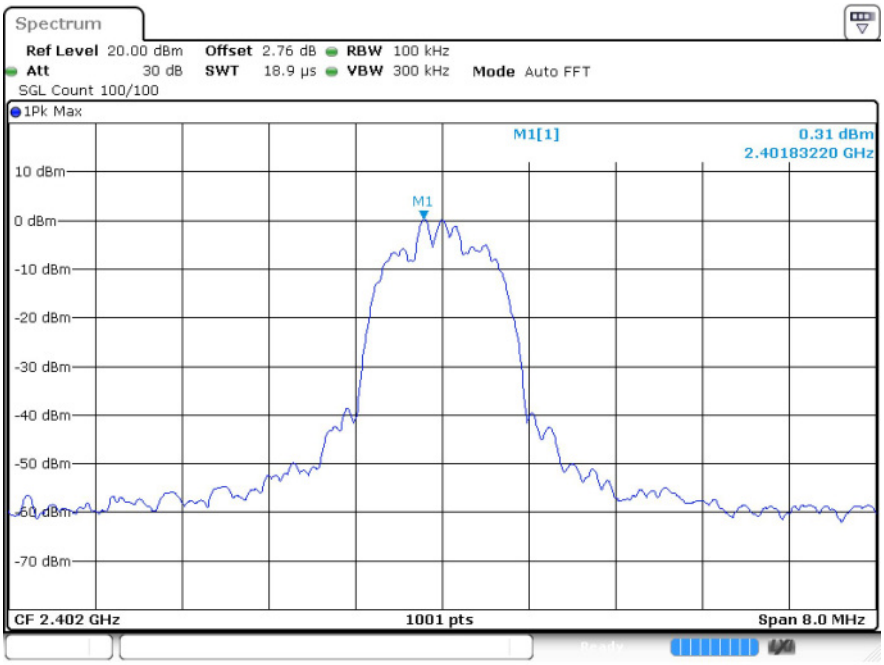
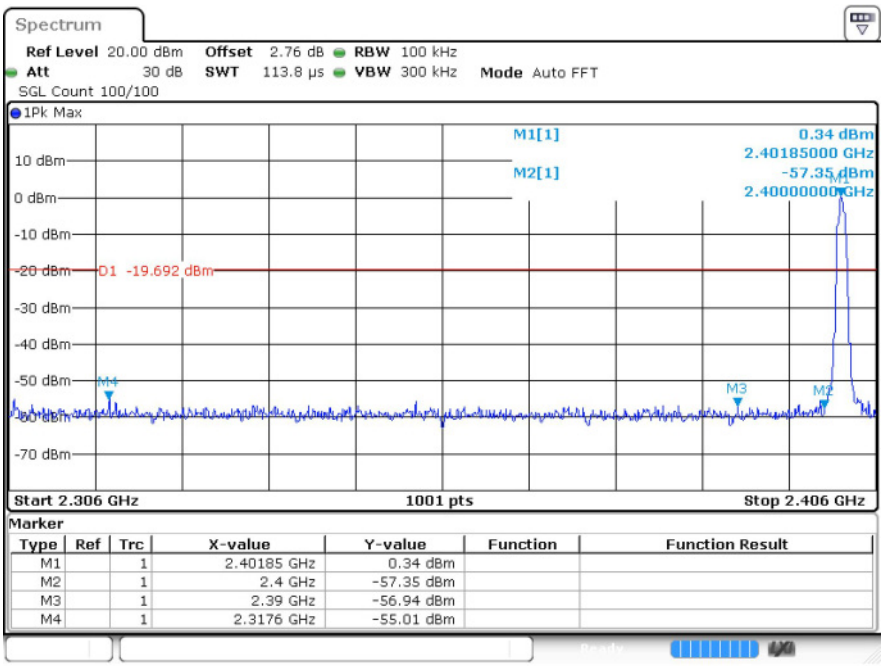
8.2 Test Graphs

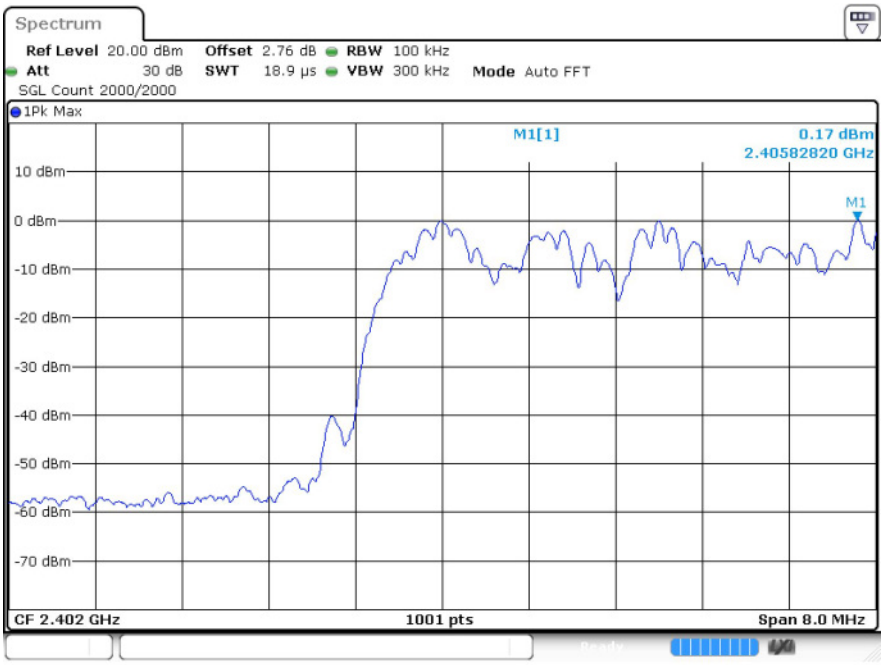
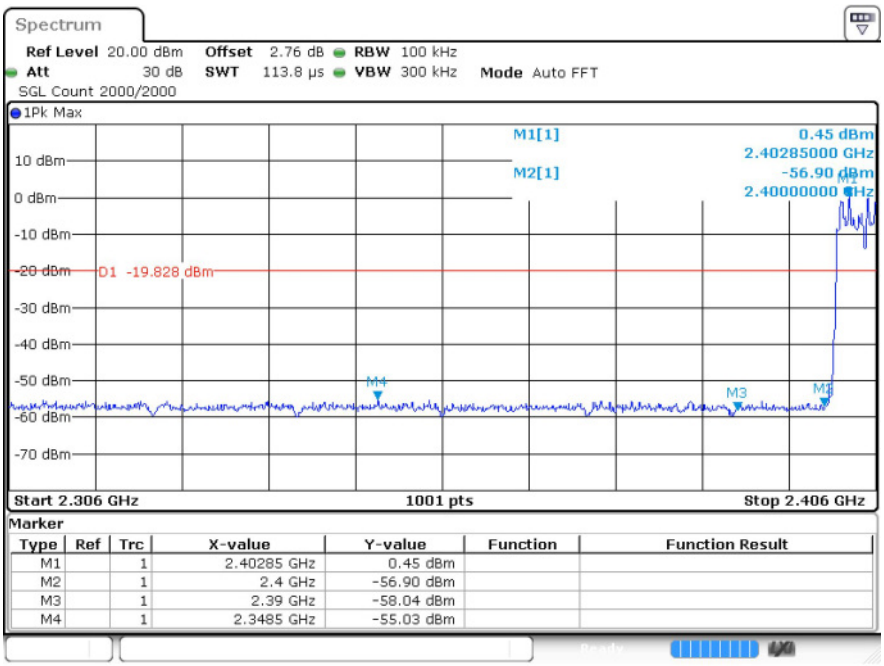
Test Graphs	
Pref	
GFSK/LCH/No Hop	

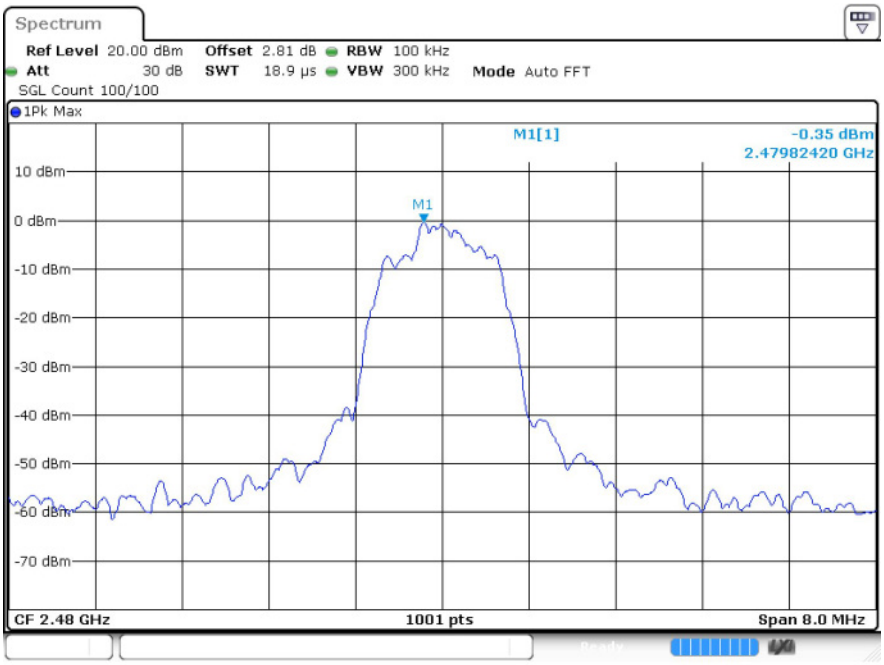
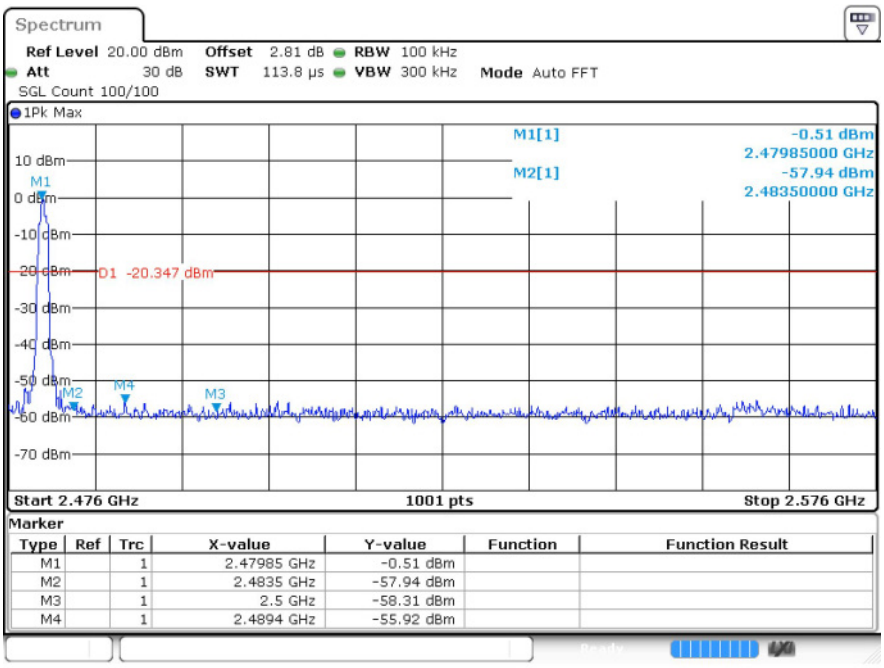
Ref	
GFSK/LCH/Hop	

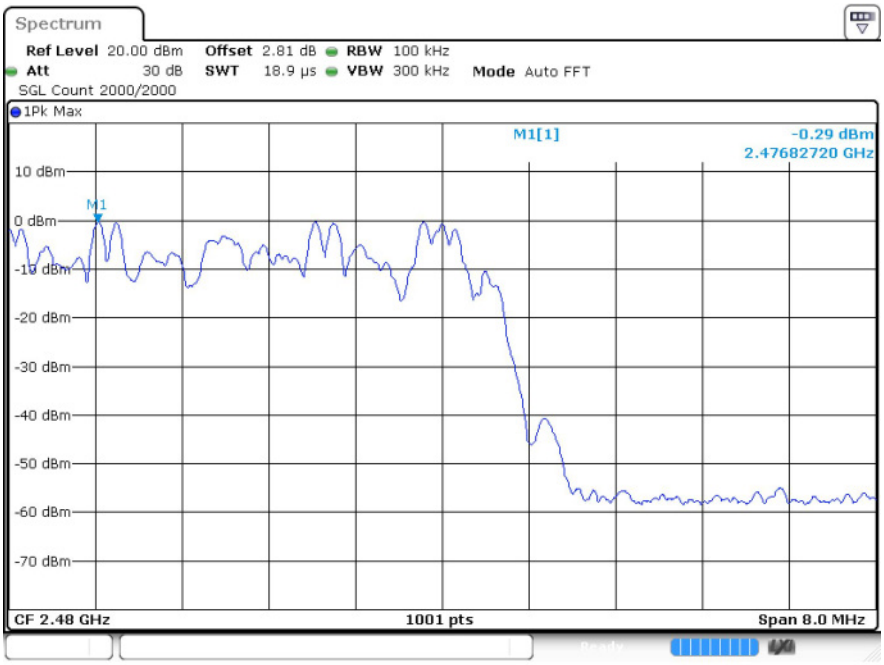
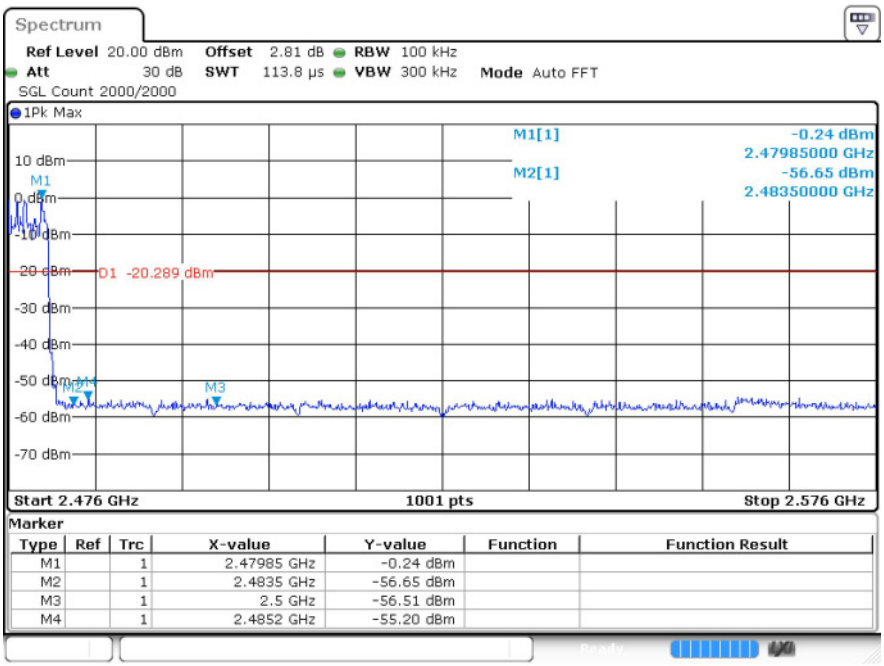
Ref	
GFSK/HCH/No Hop	

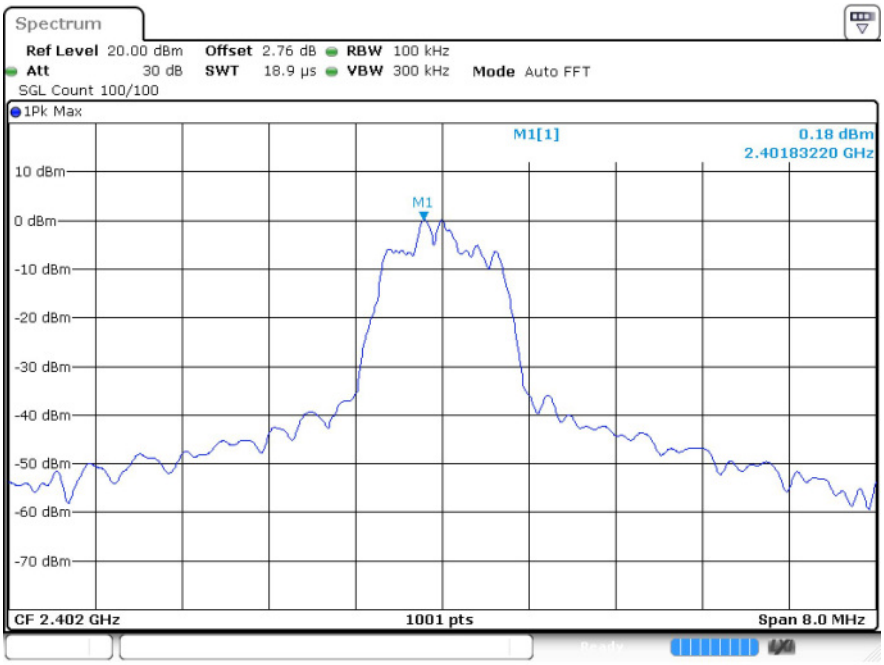
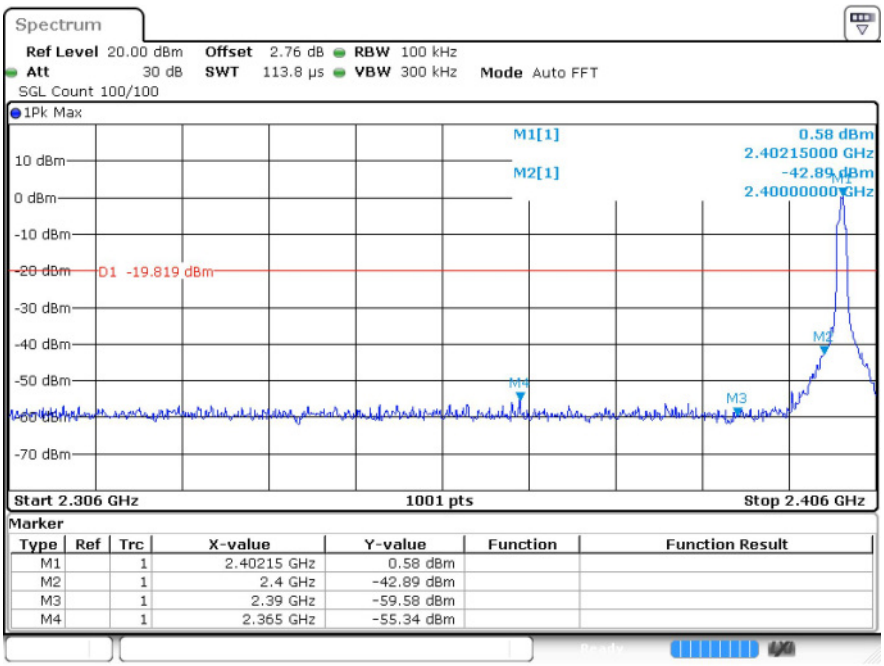
Ref.	
GFSK/HCH/Hop	

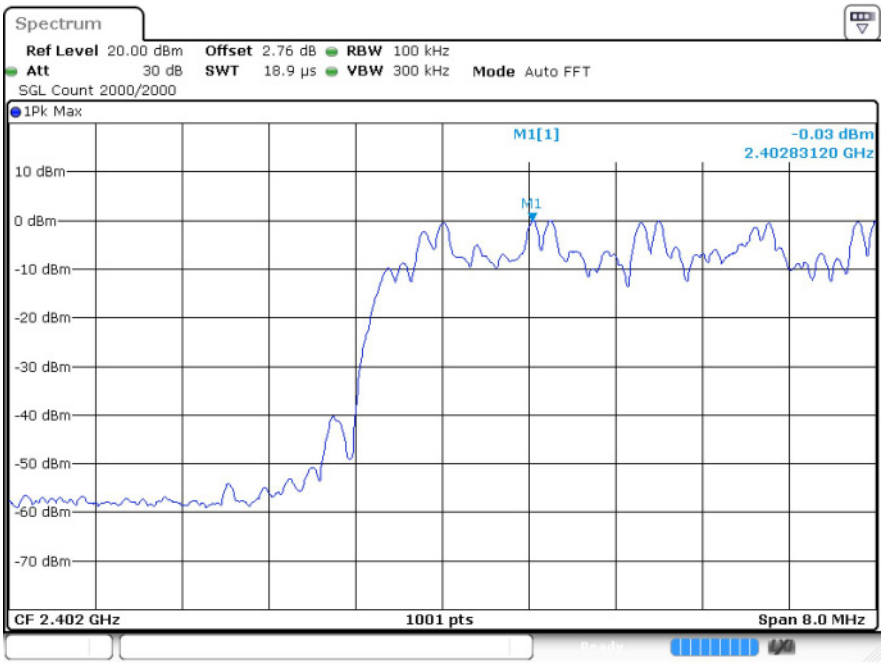
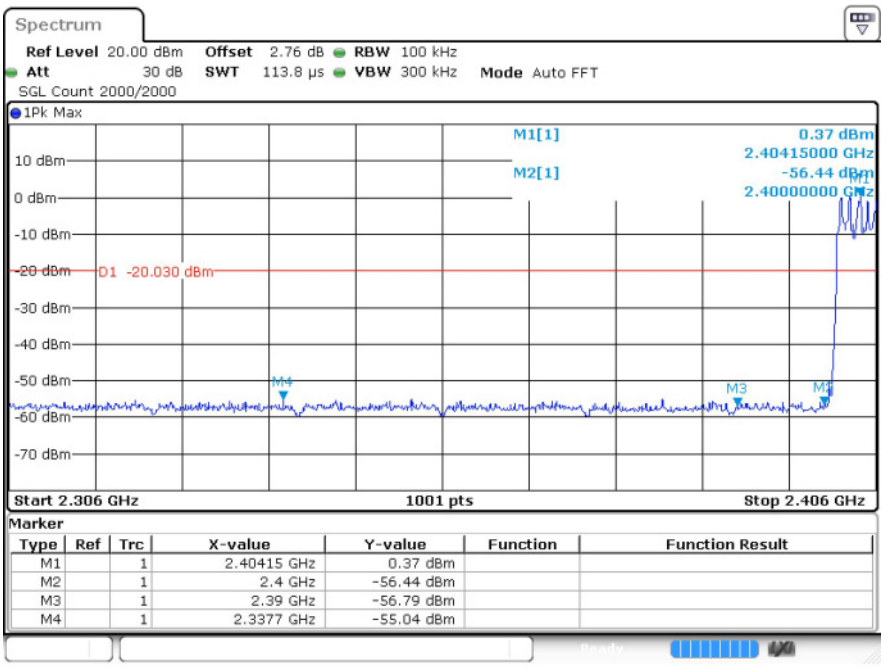
Ref	
π/4DQPSK/LCH/No Hop	

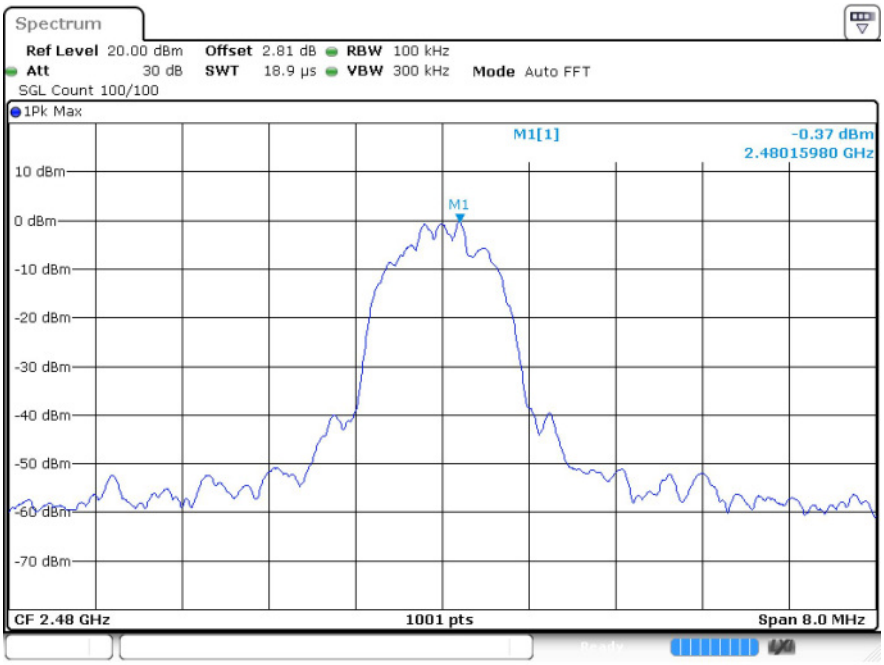
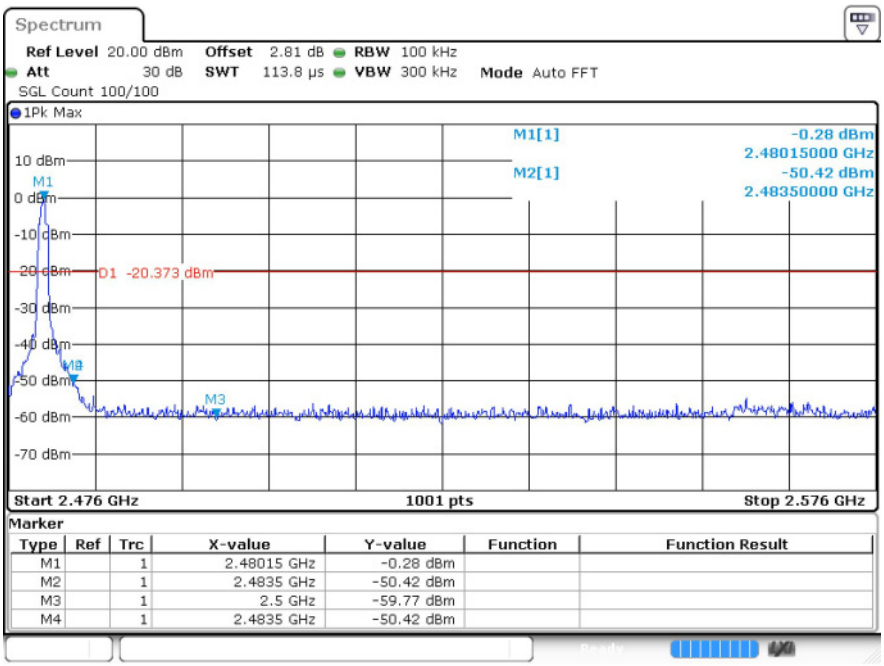
Ref	
π/4DQPSK/LCH/Hop	

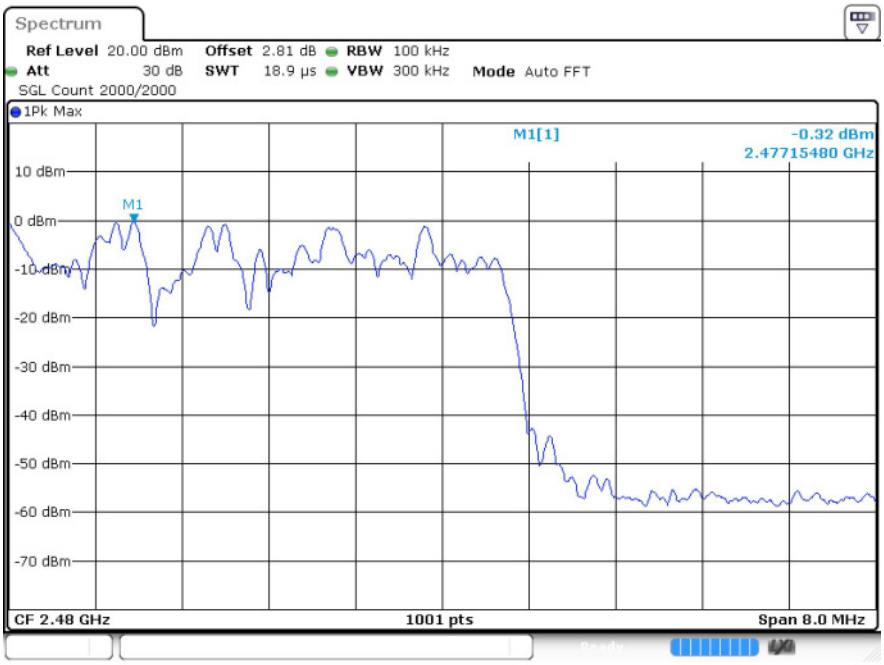
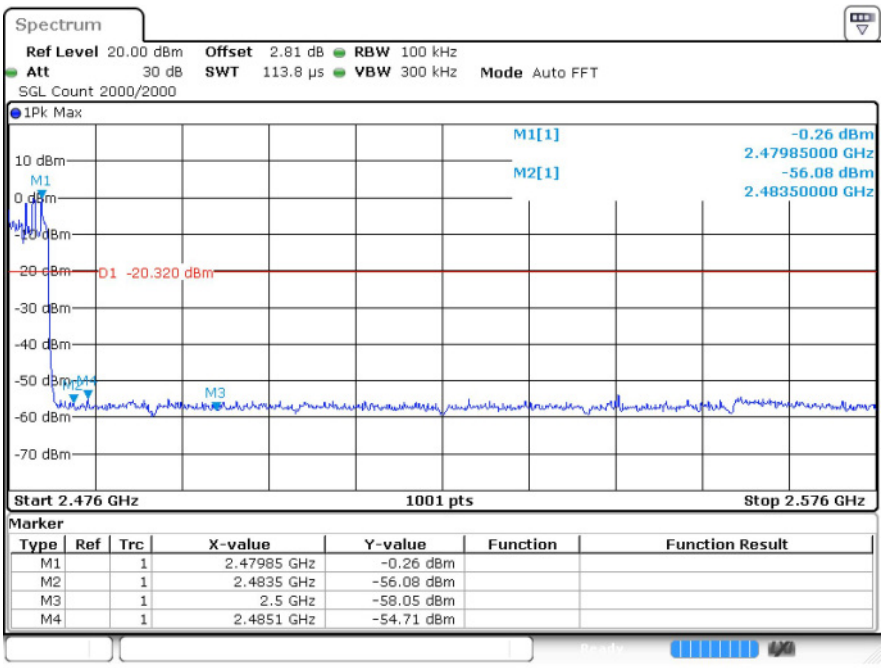
Ref	
π/4DQPSK/HCH/No Hop	

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

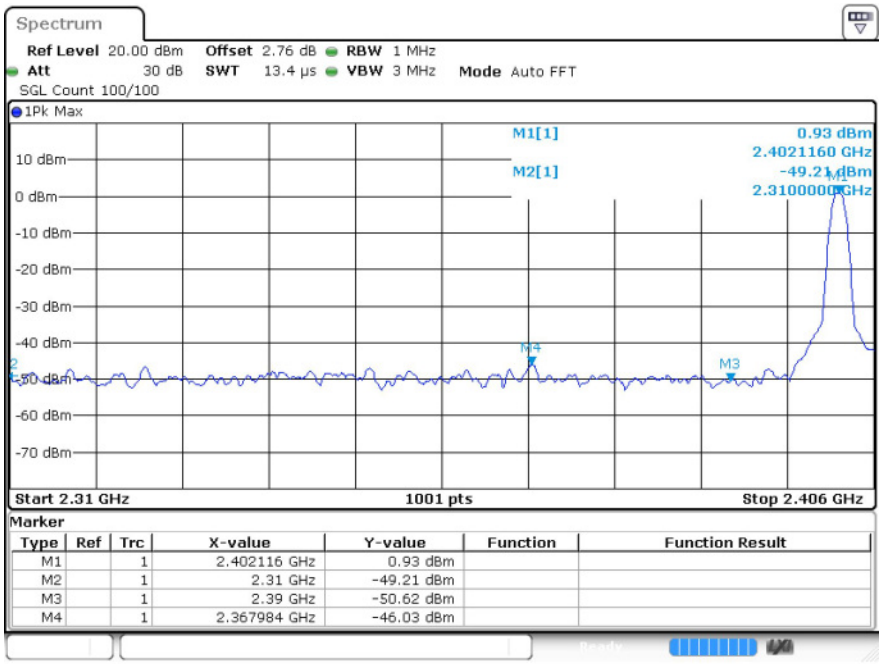
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.21	3.35	-	49.4	PEAK	74	Pass
	Off	2310.0	-56.72	3.35	4.74	46.63	AV	54	Pass
	Off	2367.984	-46.02	3.35	-	52.59	PEAK	74	Pass
	Off	2338.224	-54.66	3.35	4.74	48.69	AV	54	Pass
	Off	2390.0	-50.62	3.35	-	47.99	PEAK	74	Pass
	Off	2390.0	-56.89	3.35	4.74	46.46	AV	54	Pass
	Off	2483.5	-48.74	3.35	-	49.87	PEAK	74	Pass
	Off	2483.5	-55.76	3.35	4.74	47.59	AV	54	Pass
	Off	2486.296	-47.45	3.35	-	51.16	PEAK	74	Pass
	Off	2483.8	-55.55	3.35	4.74	47.8	AV	54	Pass
	Off	2500.0	-49.45	3.35	-	49.16	PEAK	74	Pass
	Off	2500.0	-56.53	3.35	4.74	46.82	AV	54	Pass
π/4DQPSK	Off	2310.0	-50.84	3.35	-	47.77	PEAK	74	Pass
	Off	2310.0	-56.05	3.35	4.63	47.19	AV	54	Pass
	Off	2362.896	-45.56	3.35	-	53.05	PEAK	74	Pass
	Off	2338.416	-54.54	3.35	4.63	48.7	AV	54	Pass
	Off	2390.0	-48	3.35	-	50.61	PEAK	74	Pass
	Off	2390.0	-57.02	3.35	4.63	46.22	AV	54	Pass
	Off	2483.5	-50.18	3.35	-	48.43	PEAK	74	Pass
	Off	2483.5	-56.03	3.35	4.67	47.25	AV	54	Pass
	Off	2489.896	-46.5	3.35	-	52.11	PEAK	74	Pass
	Off	2484.04	-55.76	3.35	4.67	47.52	AV	54	Pass
	Off	2500.0	-49.55	3.35	-	49.06	PEAK	74	Pass
	Off	2500.0	-56.79	3.35	4.67	46.49	AV	54	Pass
8DPSK	Off	2310.0	-49.38	3.35	-	49.23	PEAK	74	Pass
	Off	2310.0	-56.02	3.35	4.63	47.22	AV	54	Pass
	Off	2339.28	-46.1	3.35	-	52.51	PEAK	74	Pass
	Off	2338.128	-54.51	3.35	4.63	48.73	AV	54	Pass

	Off	2390.0	-47.87	3.35	-	50.74	PEAK	74	Pass
	Off	2390.0	-57.18	3.35	4.63	46.06	AV	54	Pass
	Off	2483.5	-49.08	3.35	-	49.53	PEAK	74	Pass
	Off	2483.5	-56.13	3.35	4.63	47.11	AV	54	Pass
	Off	2499.904	-47.41	3.35	-	51.2	PEAK	74	Pass
	Off	2493.184	-56.01	3.35	4.63	47.23	AV	54	Pass
	Off	2500.0	-47.43	3.35	-	51.18	PEAK	74	Pass
	Off	2500.0	-56.85	3.35	4.63	46.39	AV	54	Pass

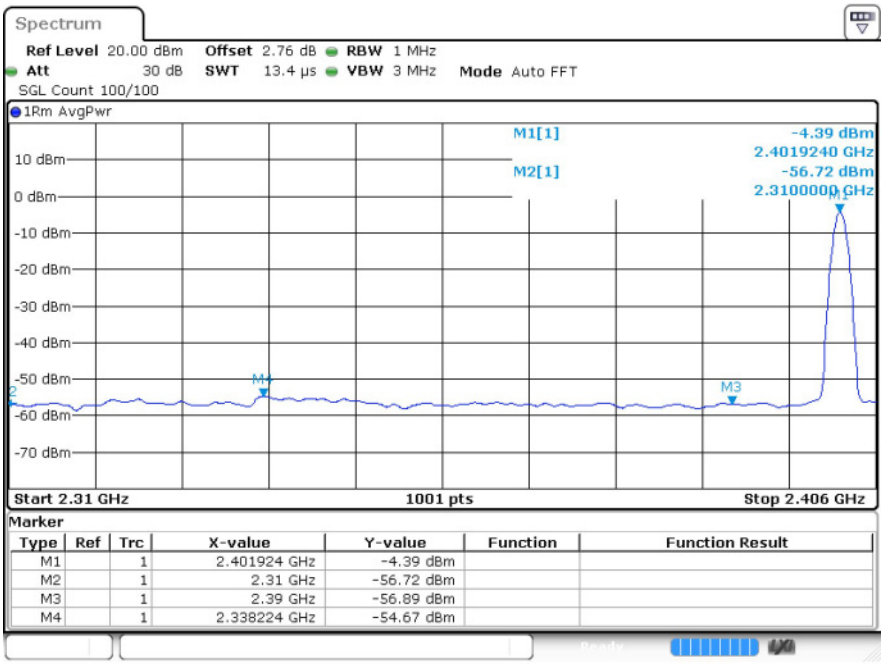
Note:Left and right ear have been tested and the only shows the worst case mode.

9.2 Test Graphs

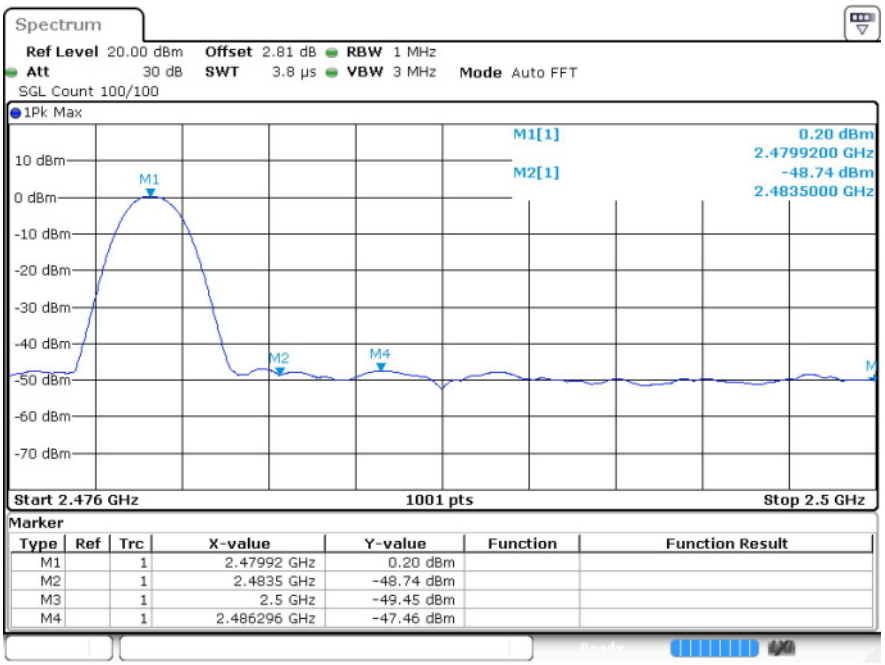
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



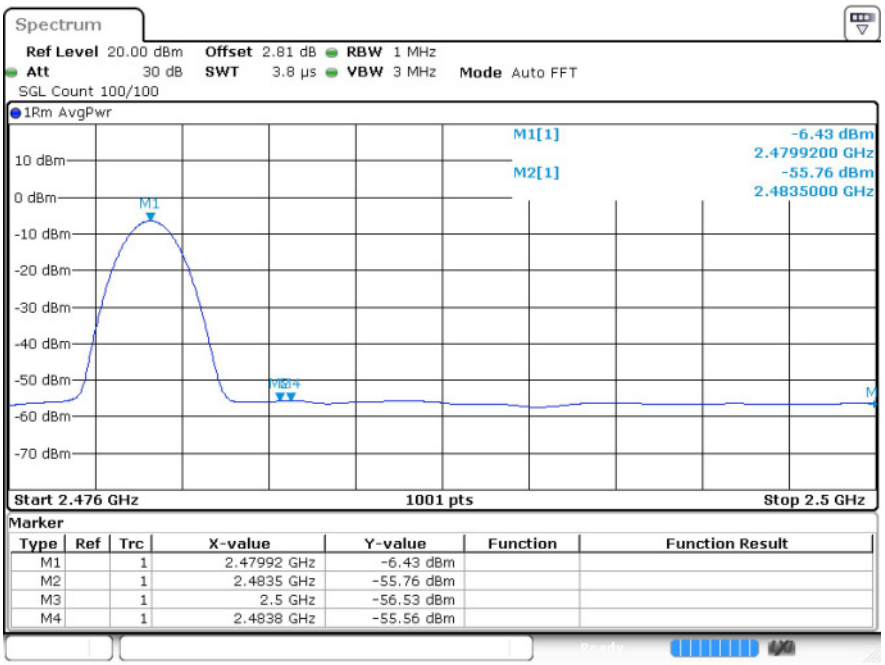
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



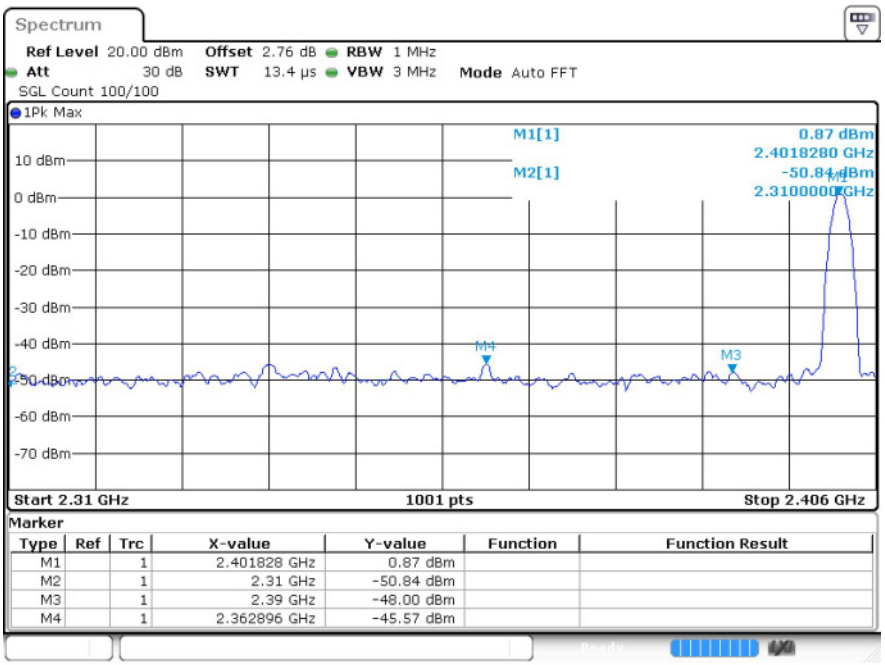
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



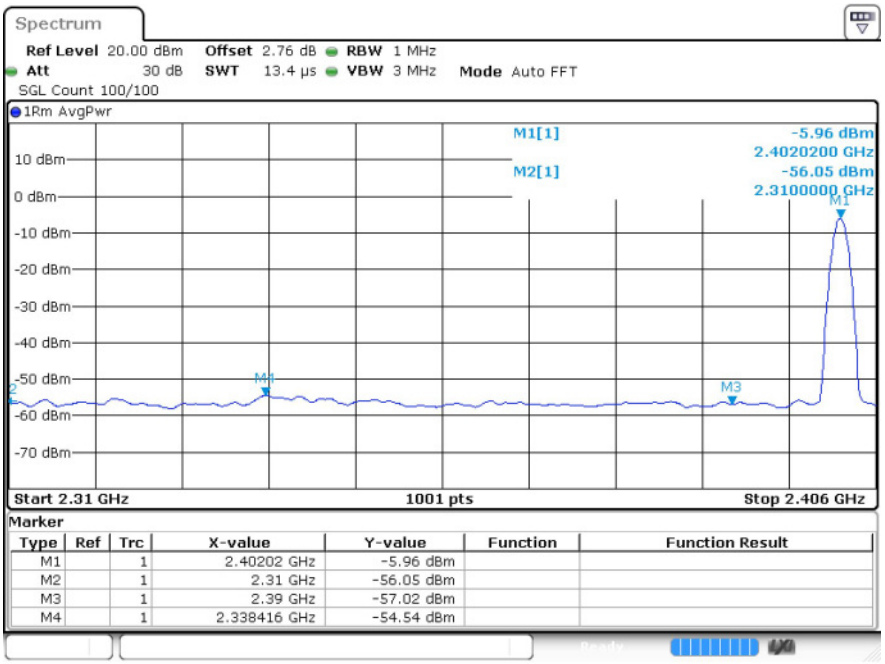
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



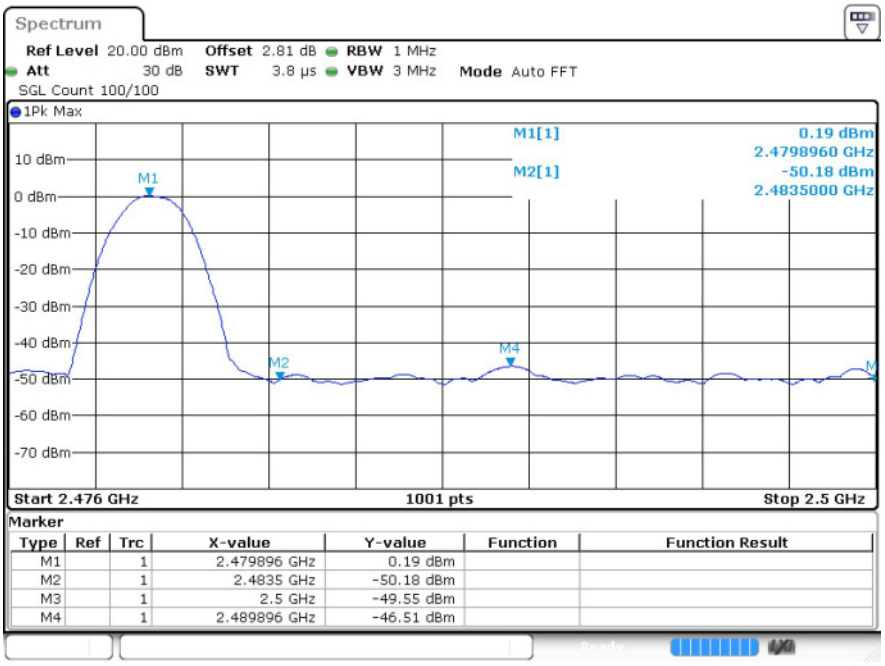
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



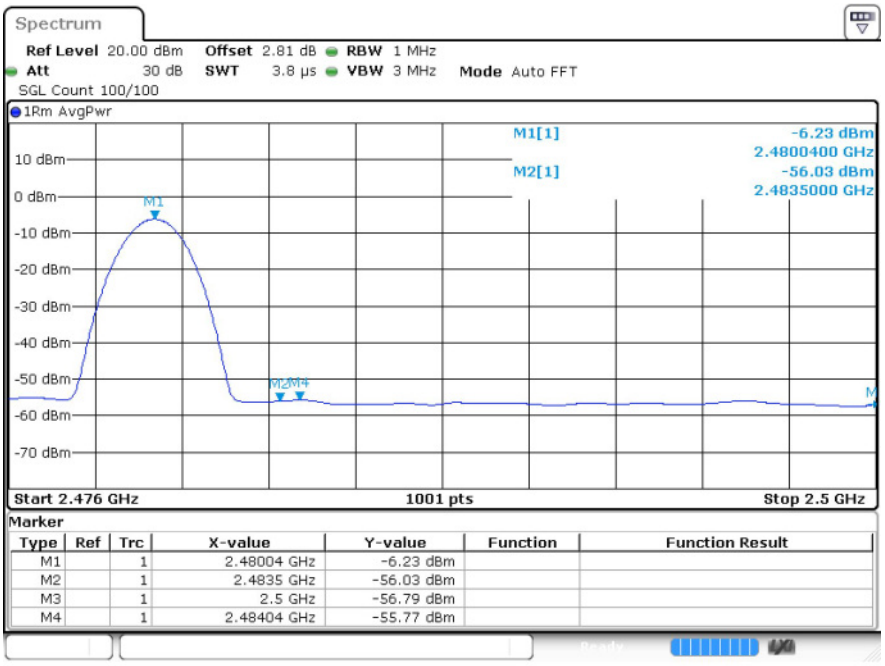
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



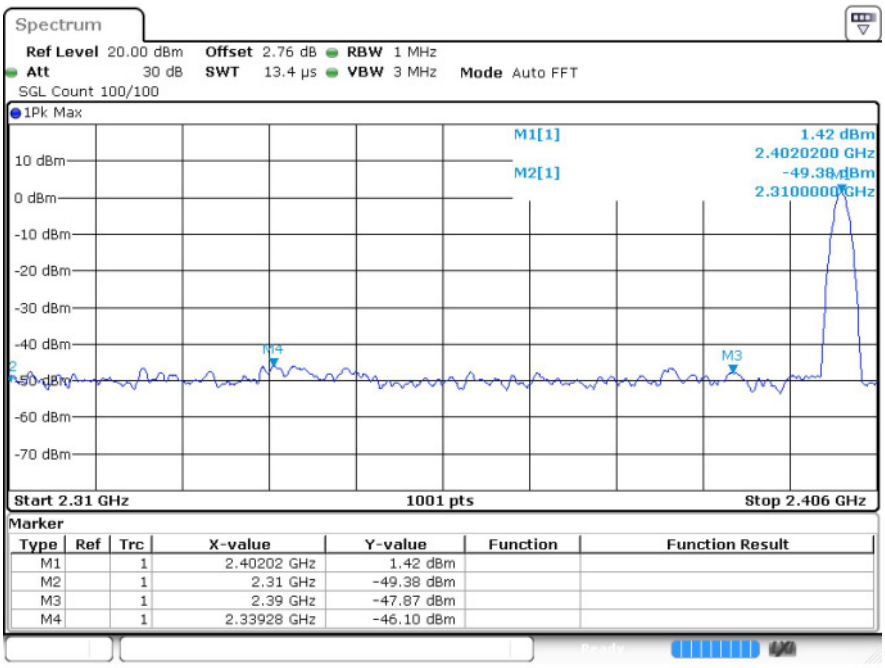
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



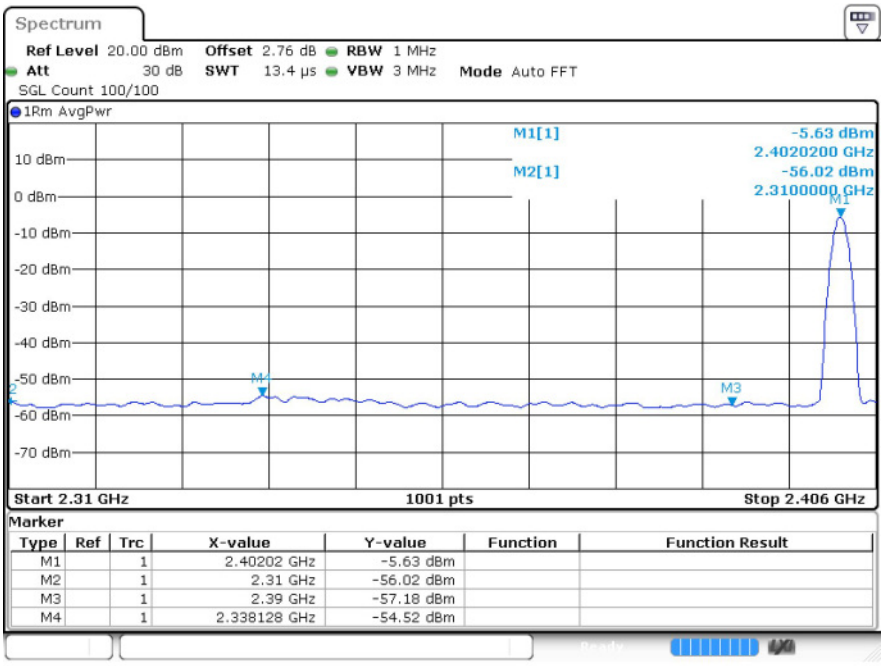
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



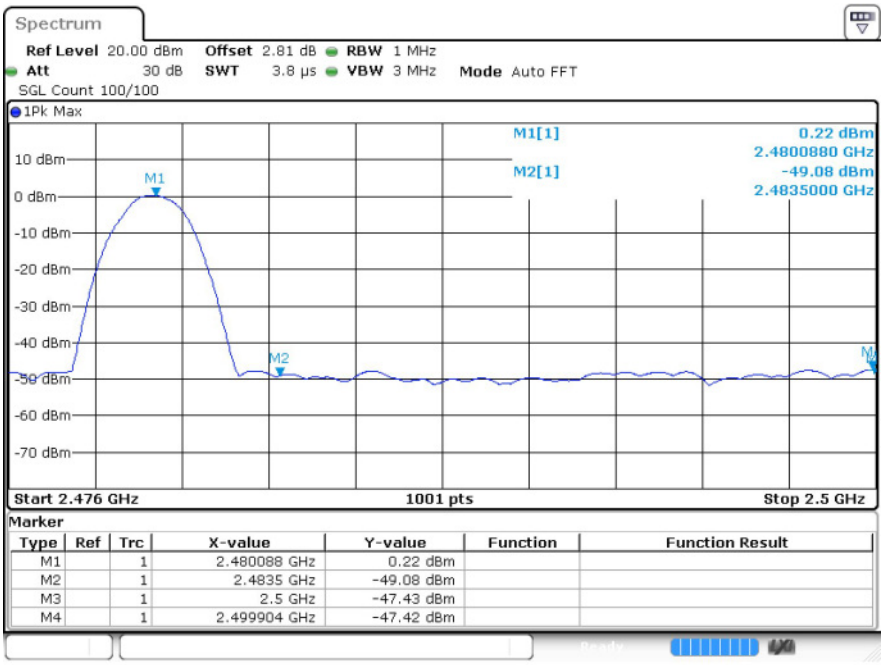
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



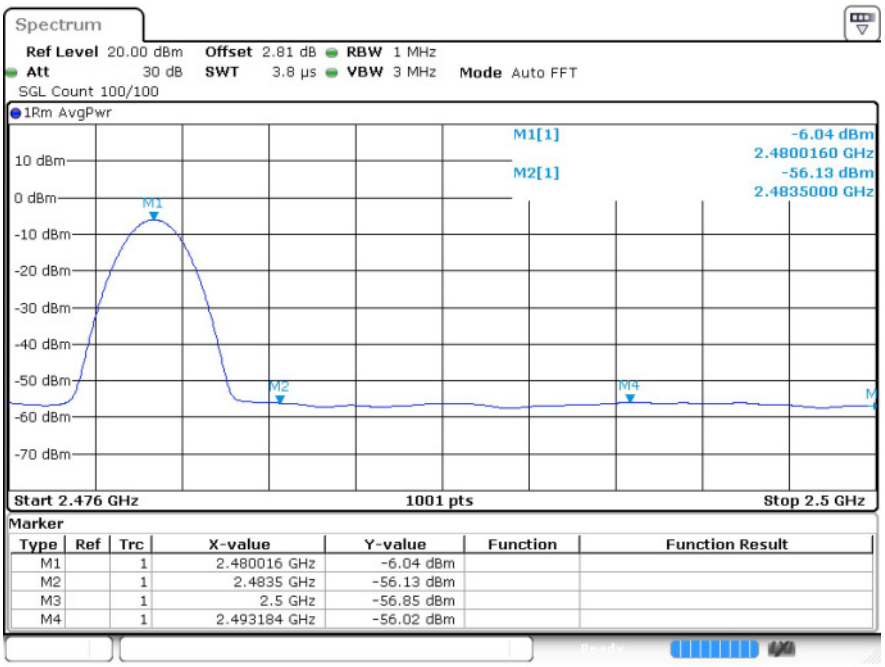
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---