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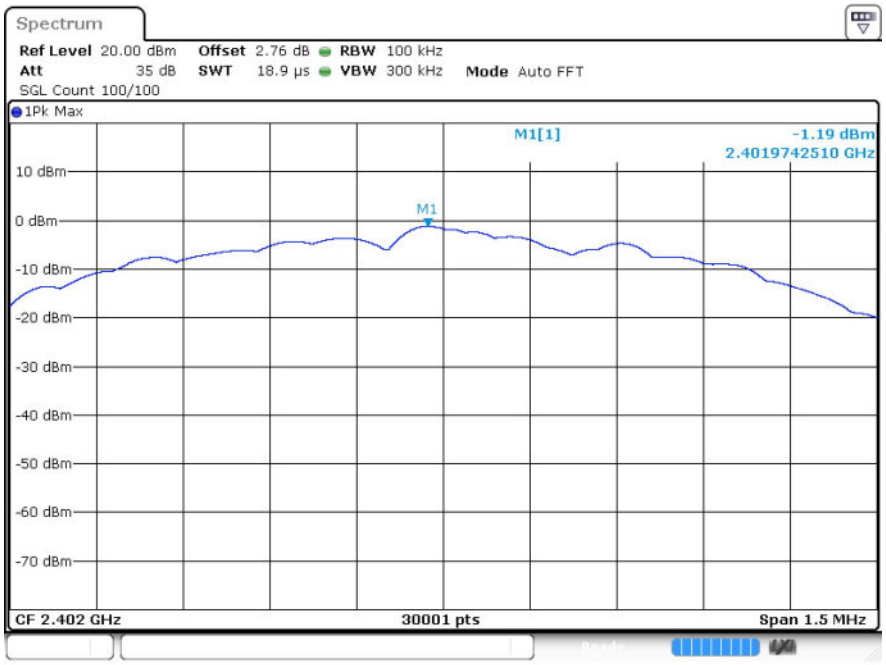
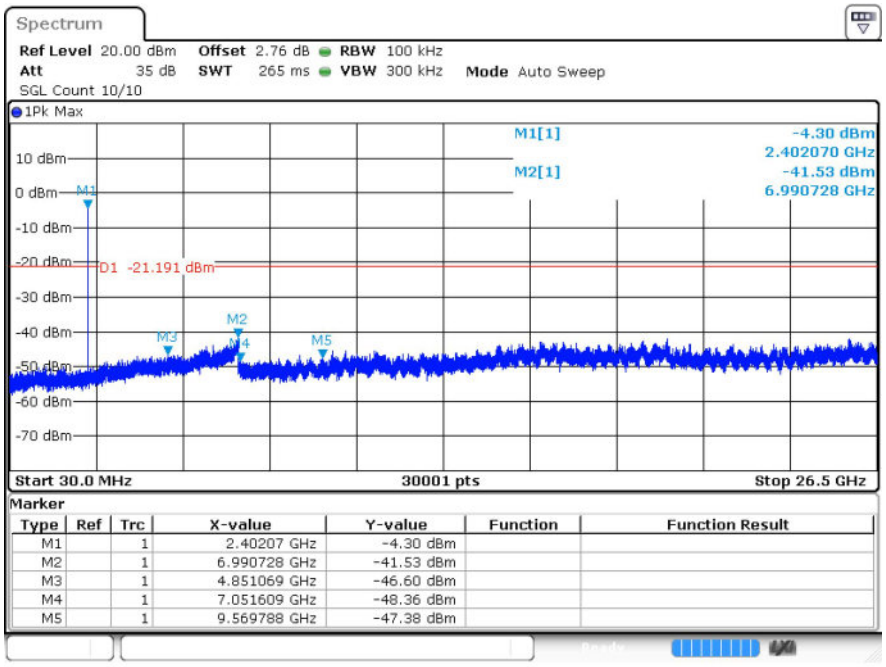
Pref	
Puw	

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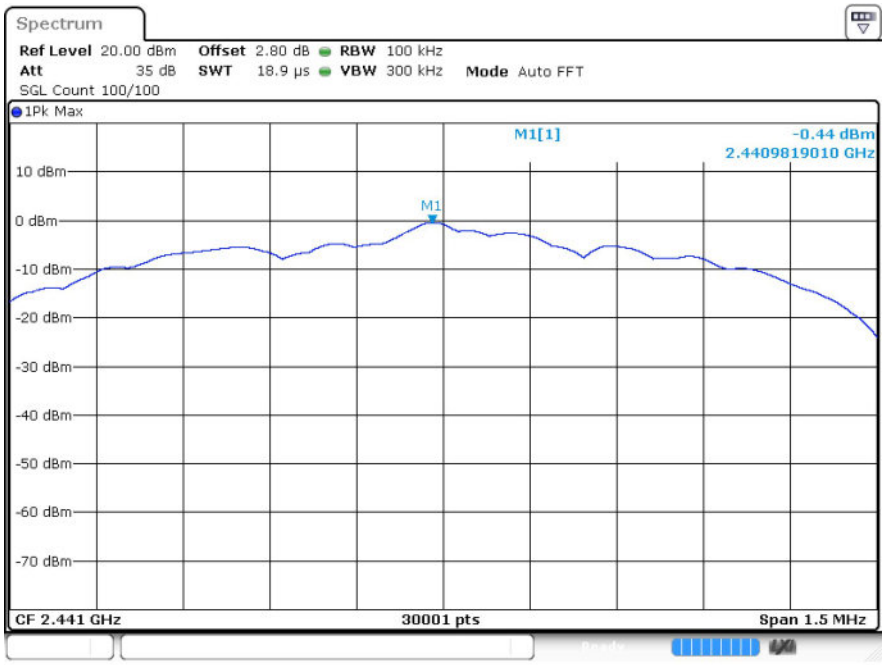
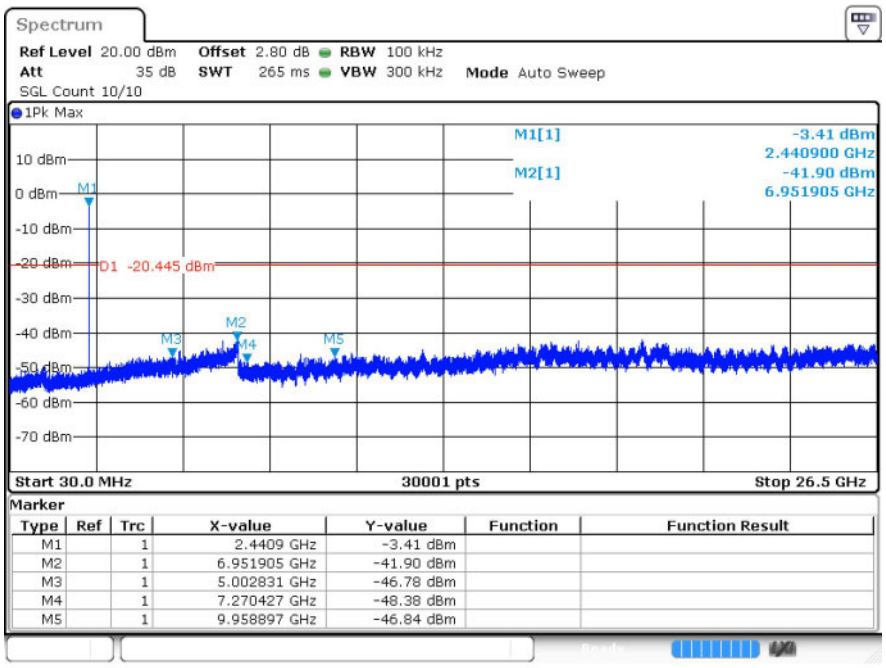
Pref	
Puw	

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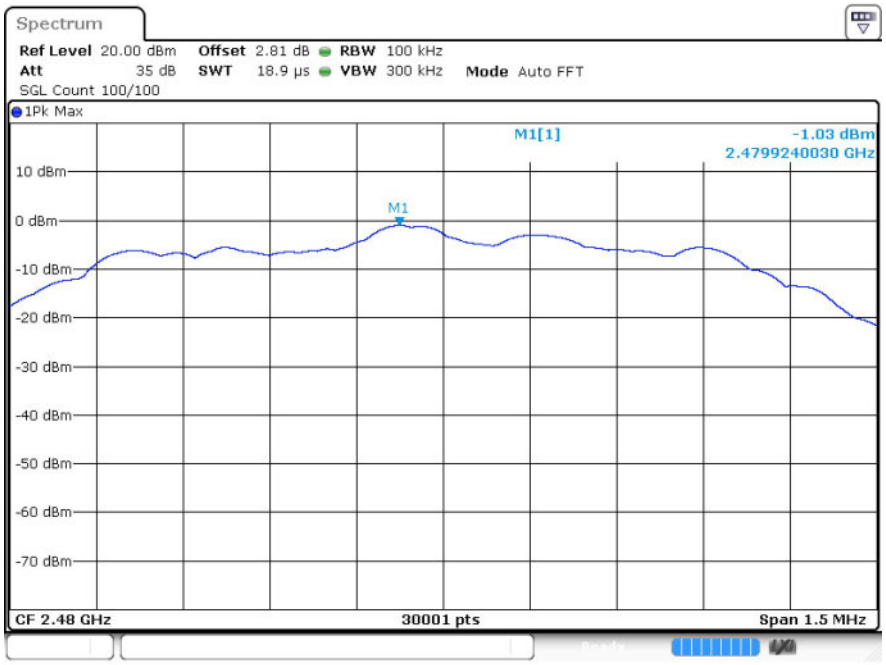
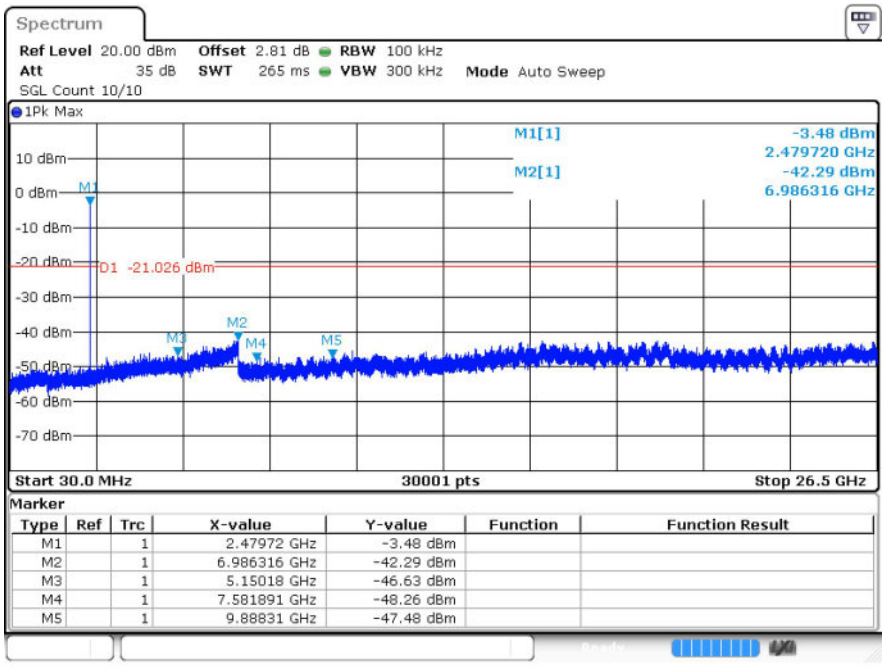
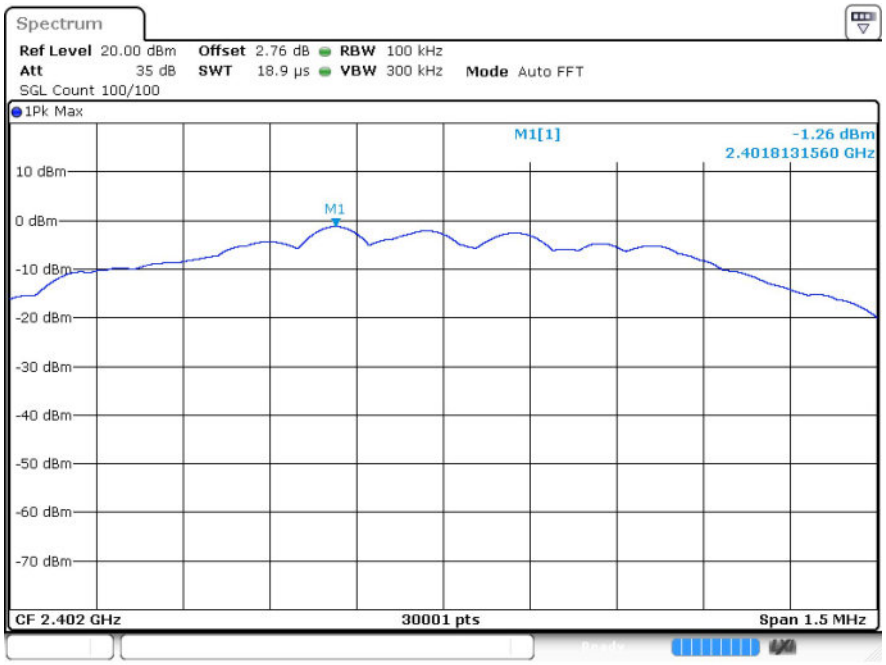
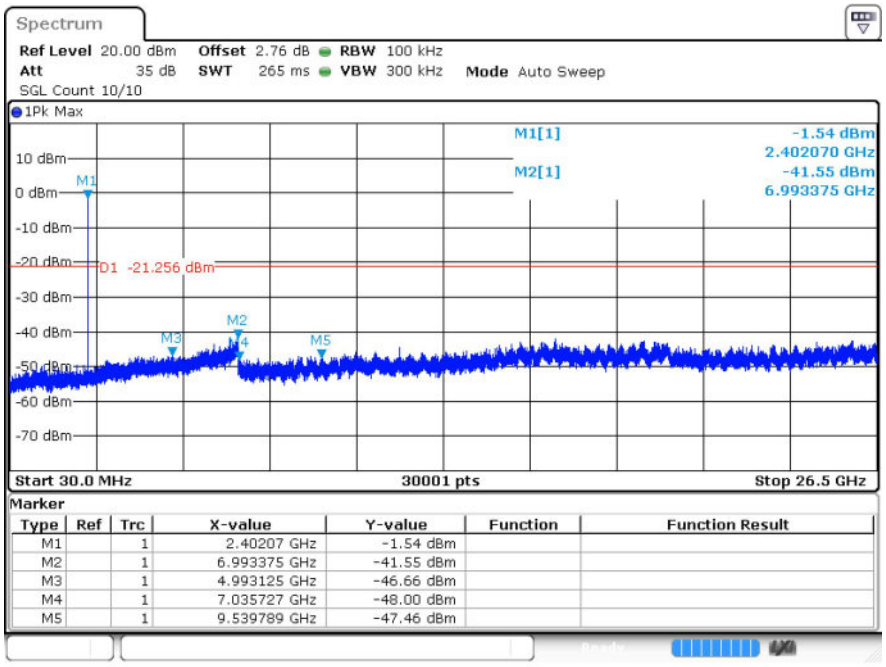
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

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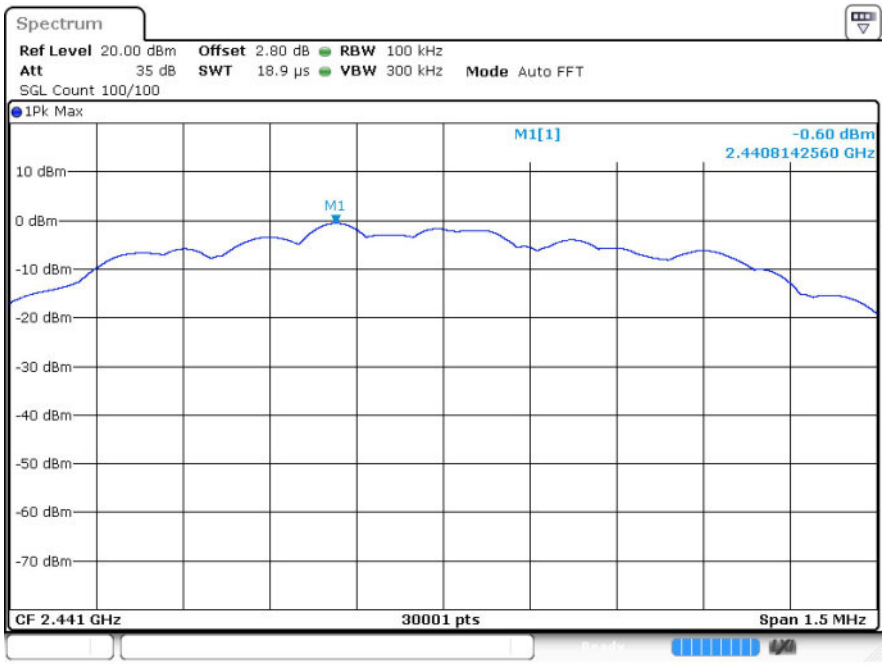
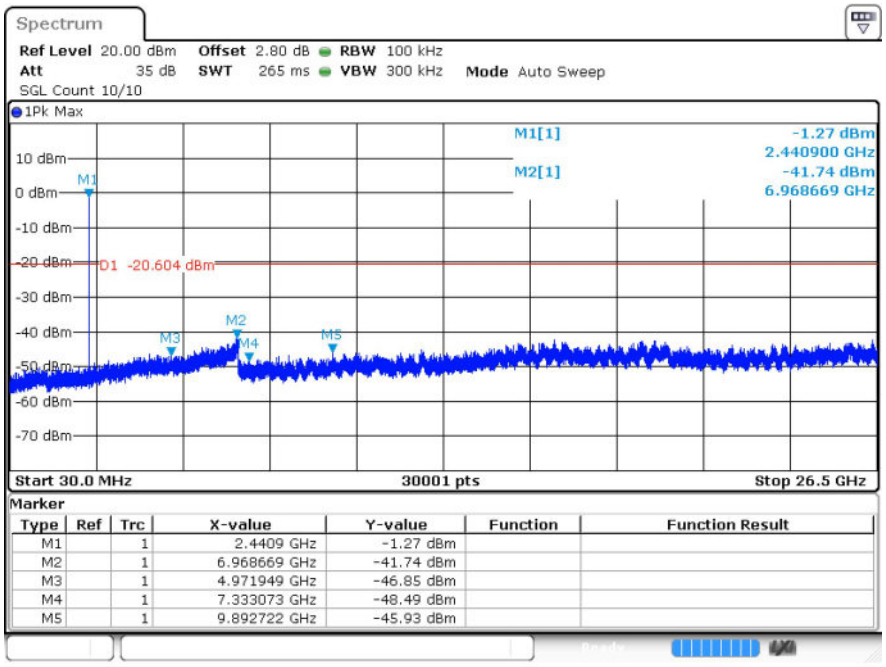
Pref	
Puw	

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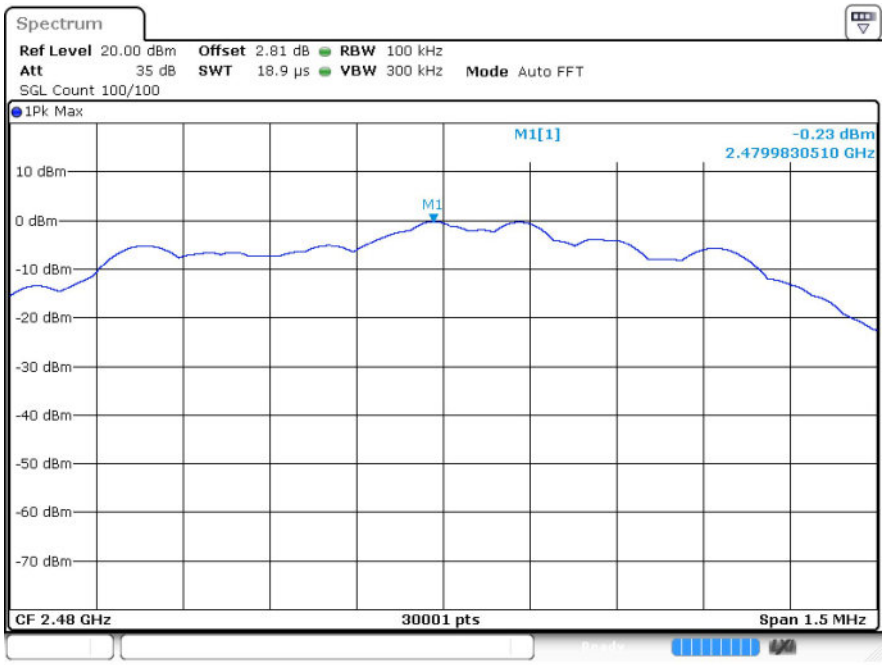
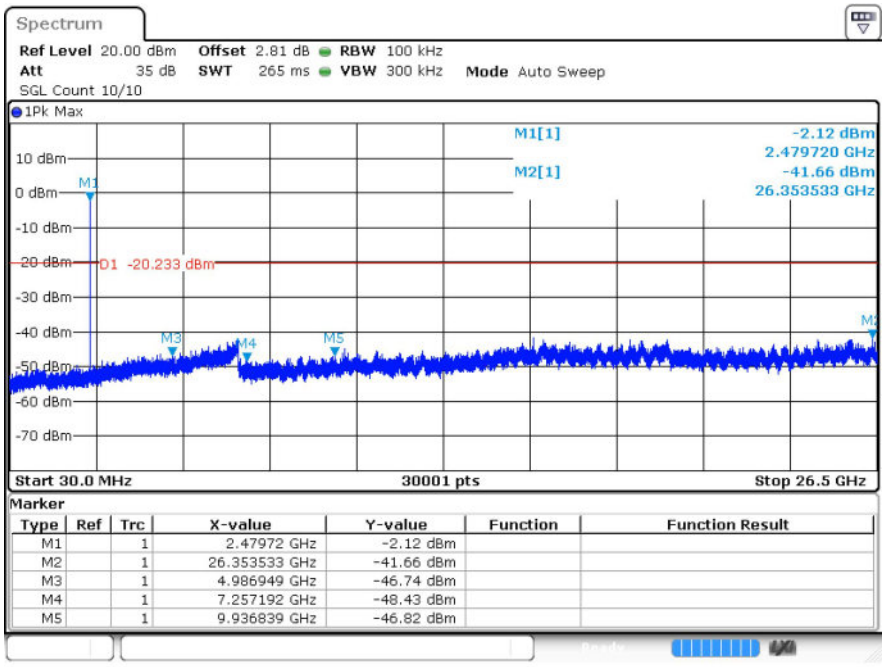
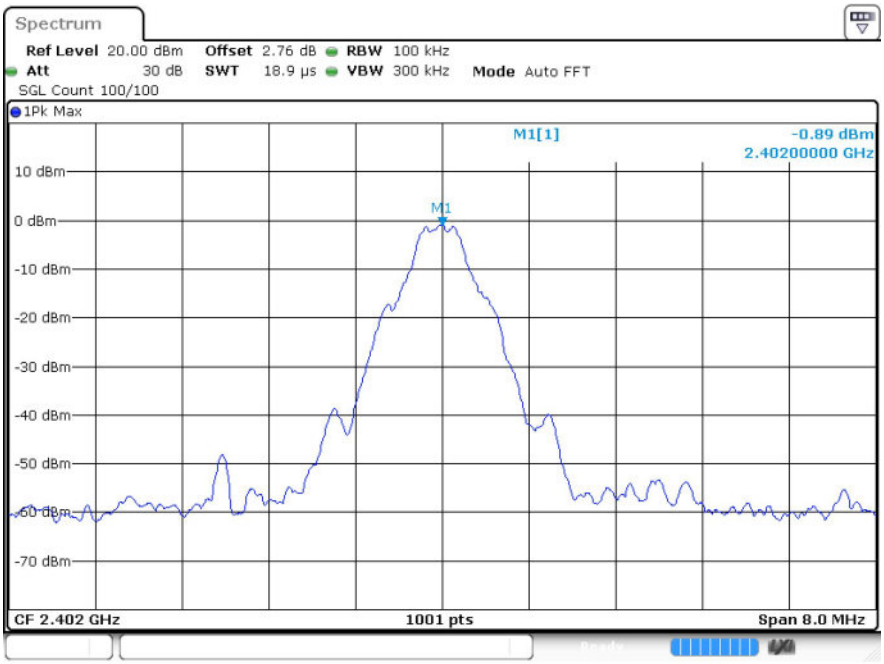
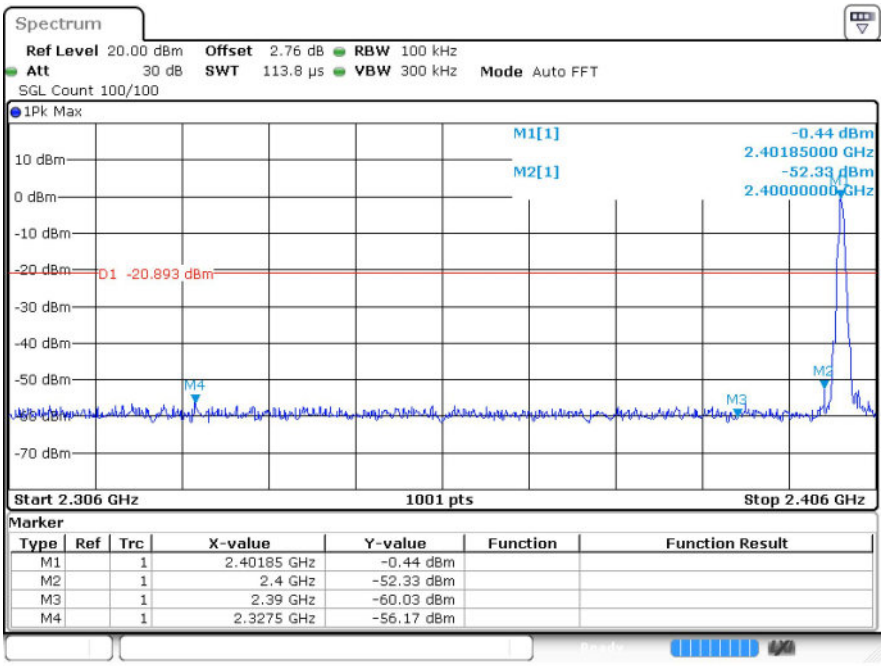
Pref	
Puw	

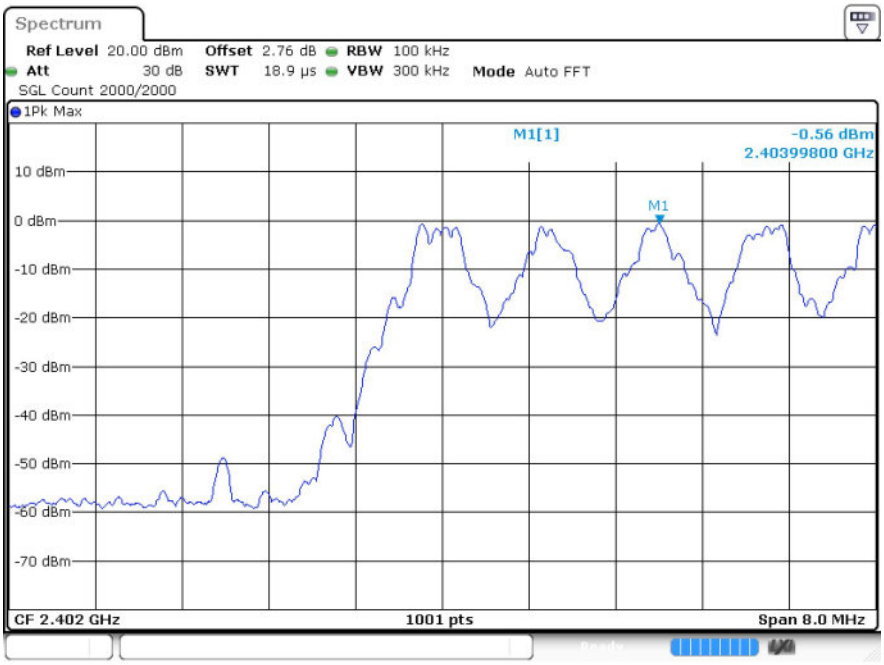
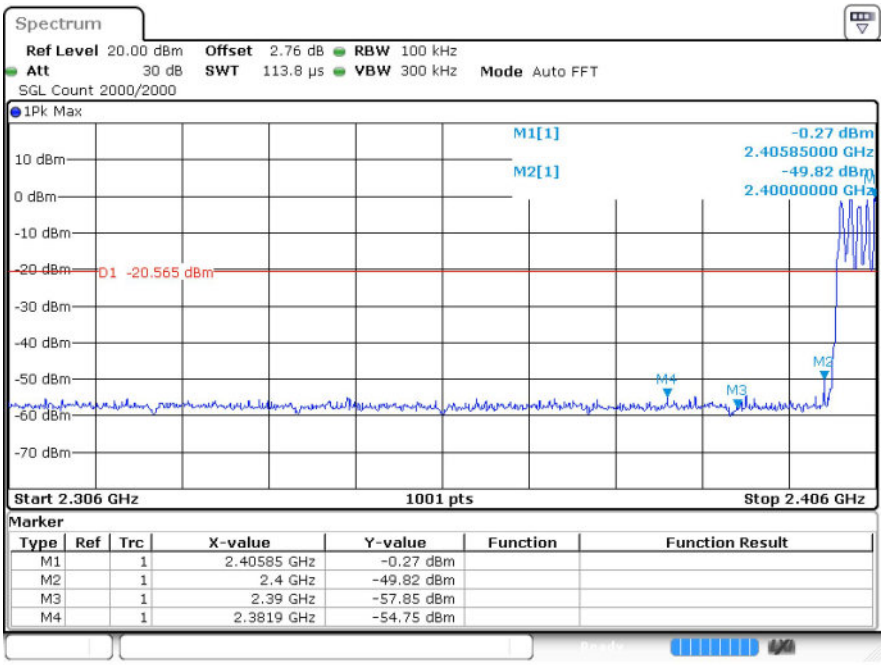
8 Band-edge for RF Conducted Emissions

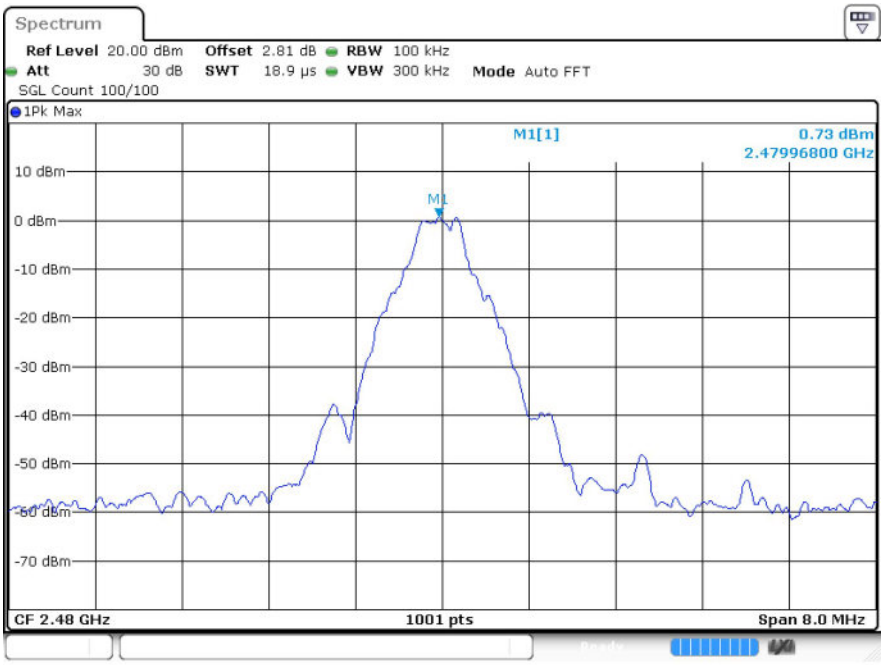
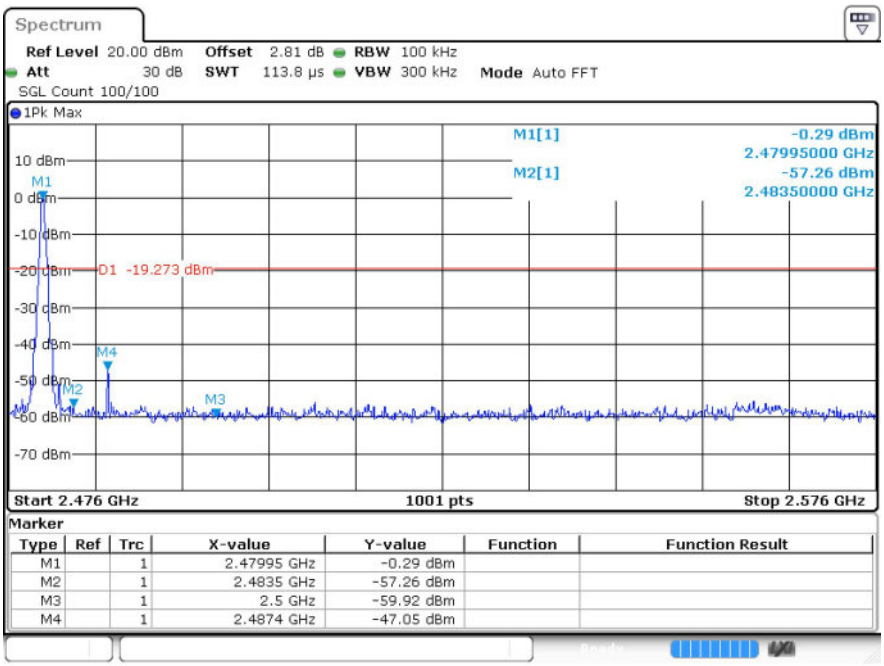
8.1 Test Result

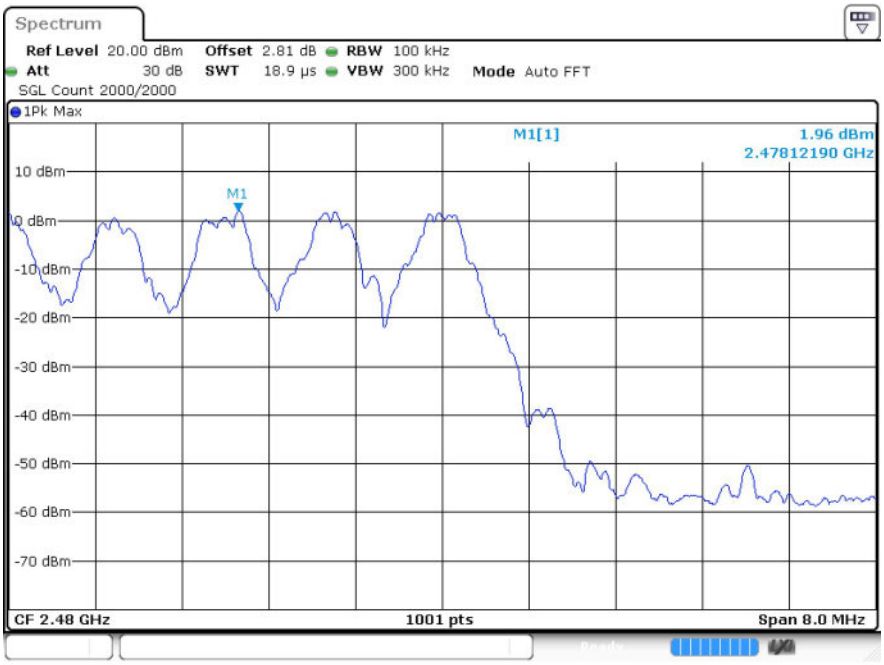
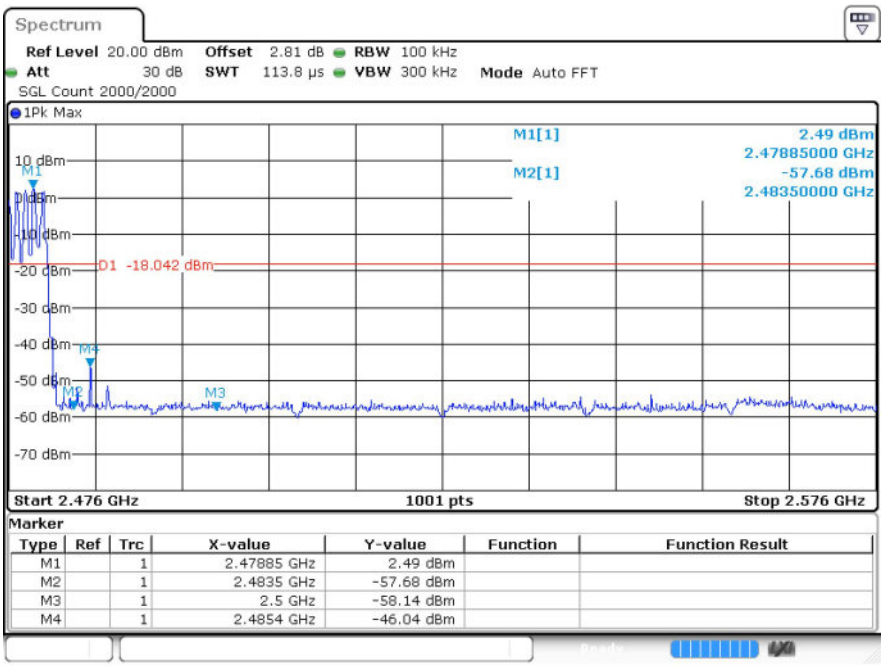
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-55.27	-20	Pass
			On	-54.19	-20	Pass
	HCH	2480	Off	-47.78	-20	Pass
			On	-47.99	-20	Pass
π/4DQPSK	LCH	2402	Off	-54.97	-20	Pass
			On	-52.99	-20	Pass
	HCH	2480	Off	-55.88	-20	Pass
			On	-46.91	-20	Pass
8DPSK	LCH	2402	Off	-54.94	-20	Pass
			On	-53.25	-20	Pass
	HCH	2480	Off	-46.41	-20	Pass
			On	-56.47	-20	Pass

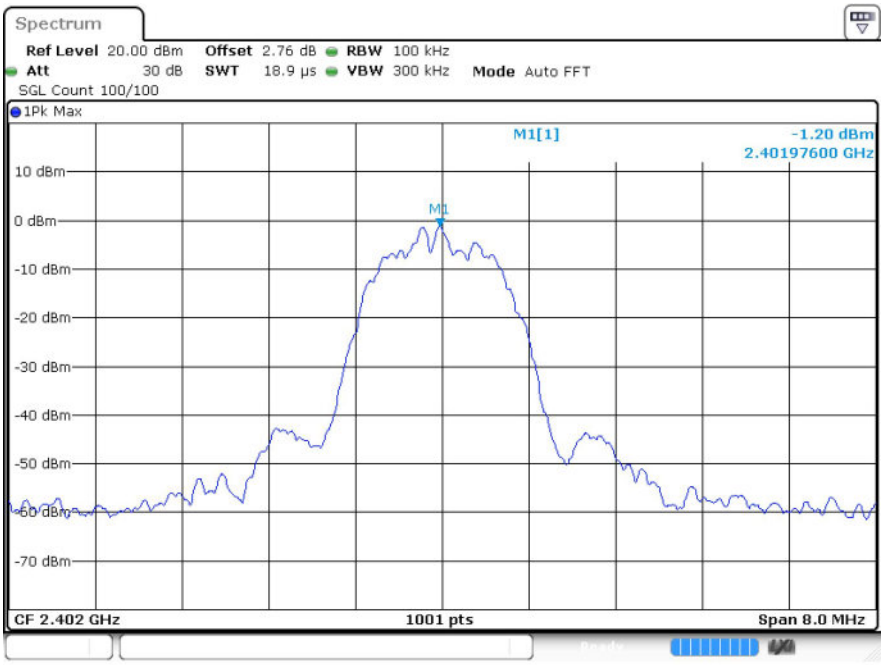
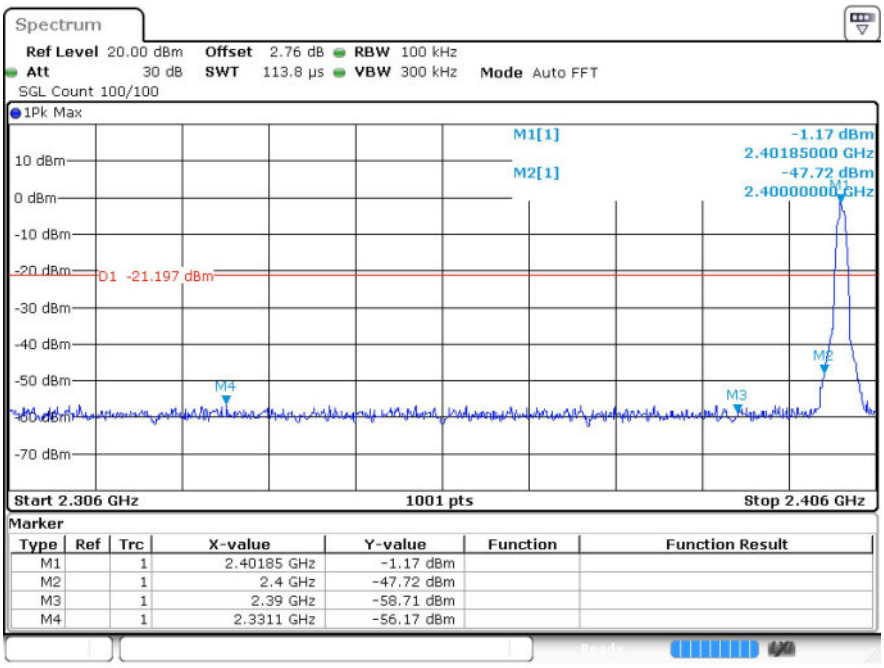
8.2 Test Graphs

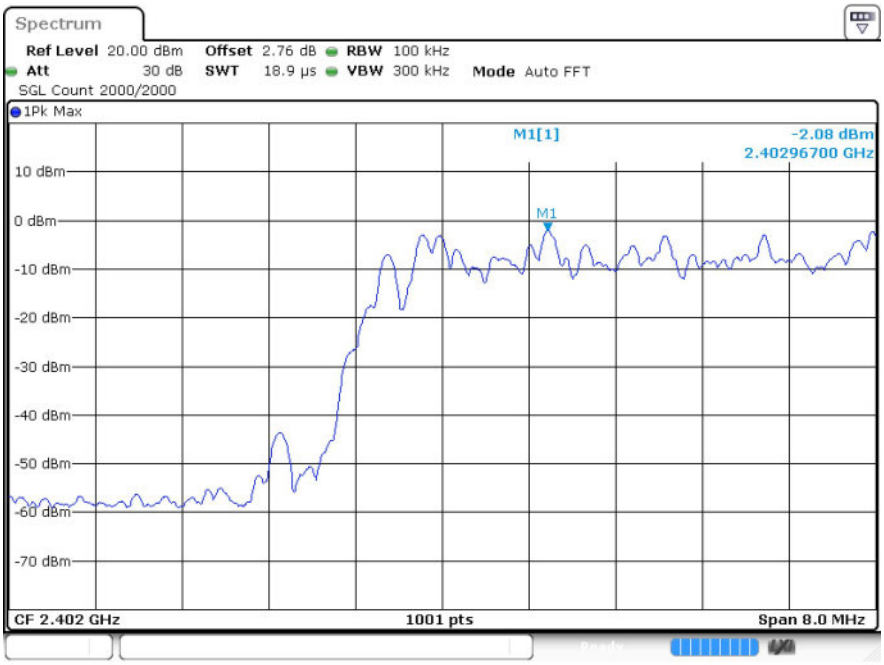
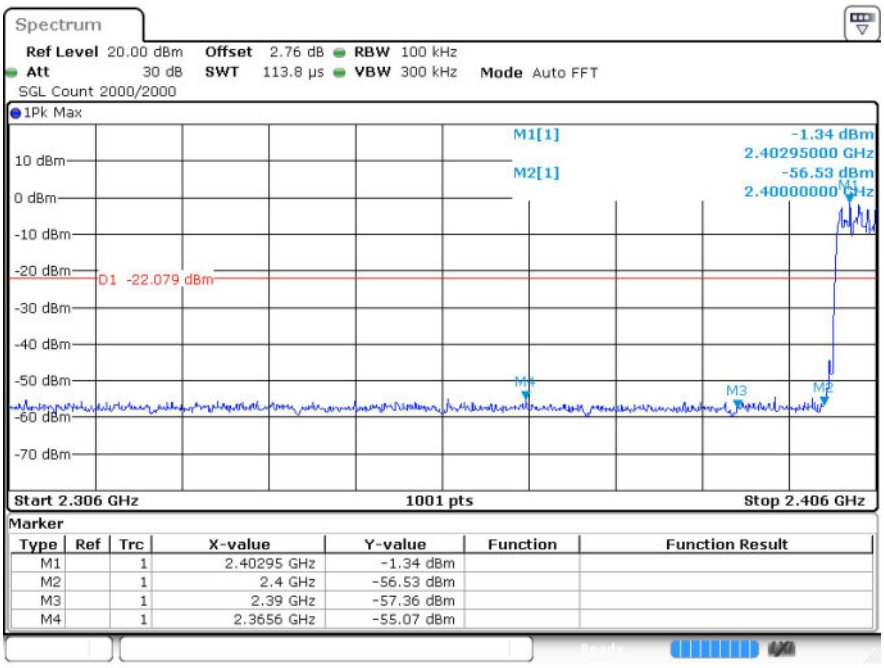
Test Graphs	
Pref	
GFSK/LCH/No Hop	

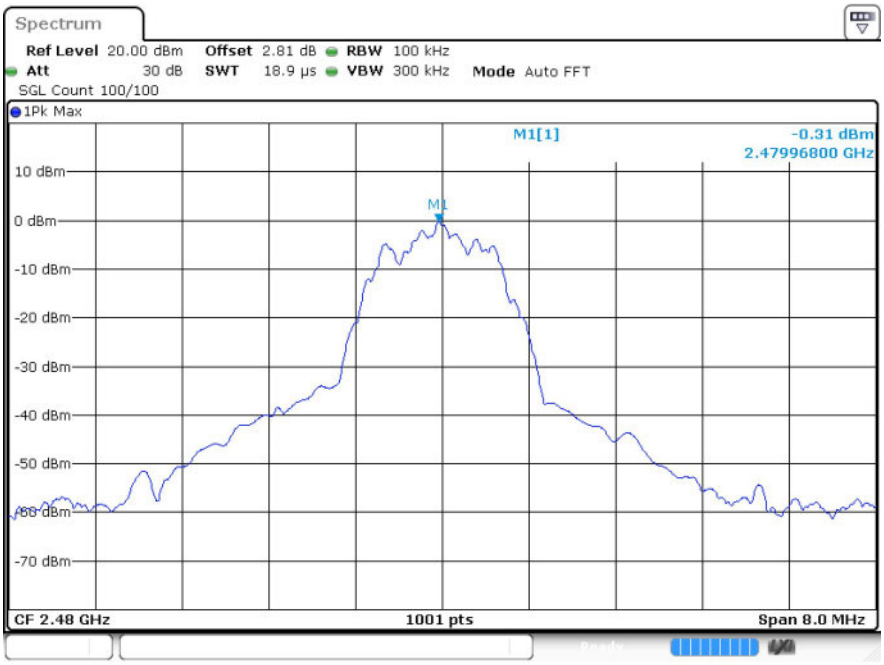
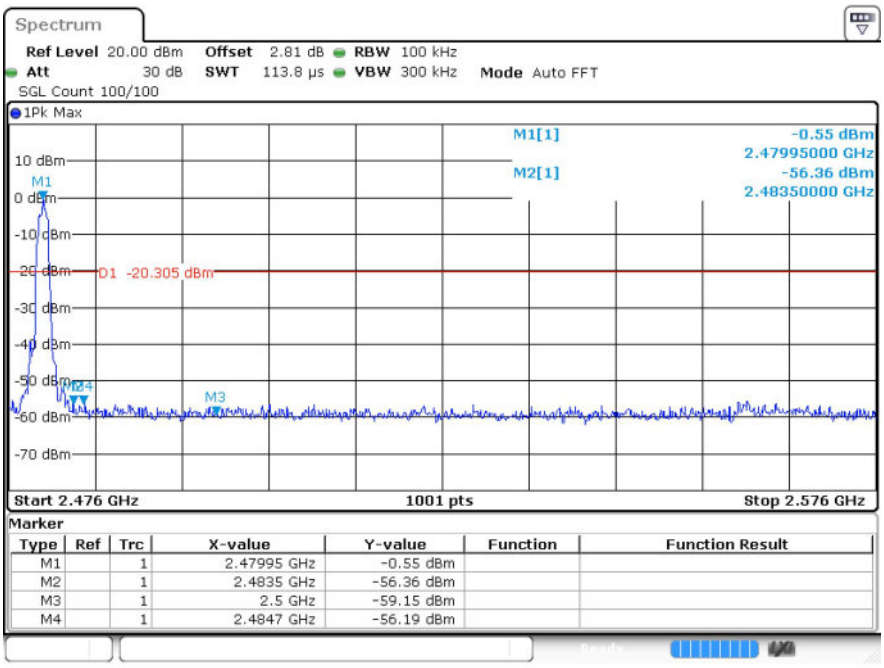
Ref	
GFSK/LCH/Hop	

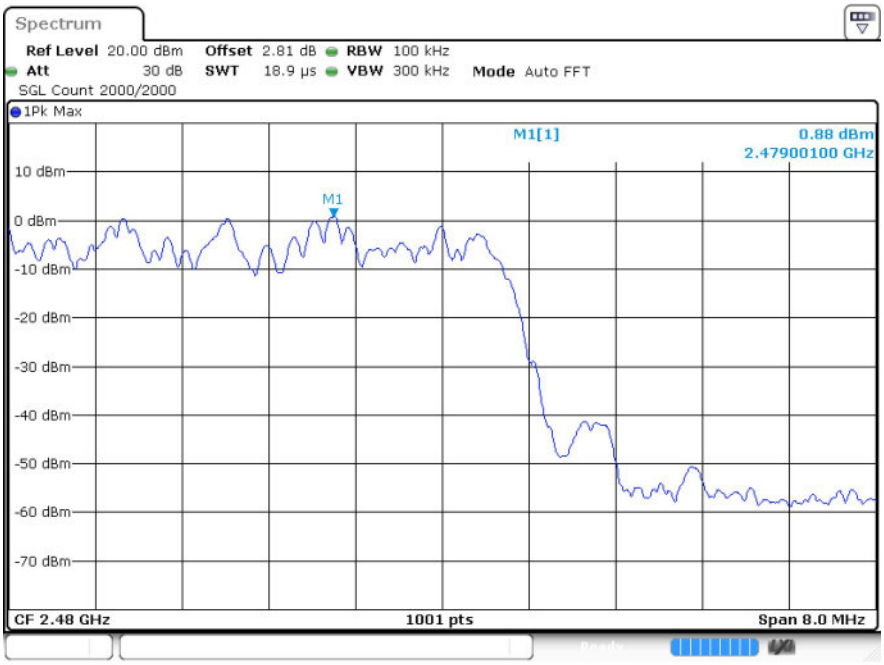
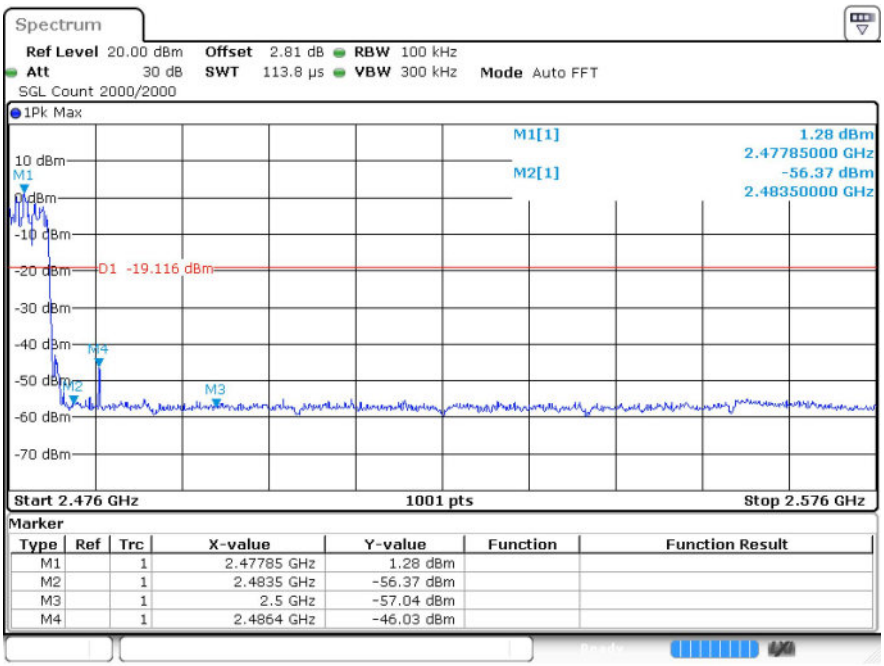
Ref	
GFSK/HCH/No Hop	

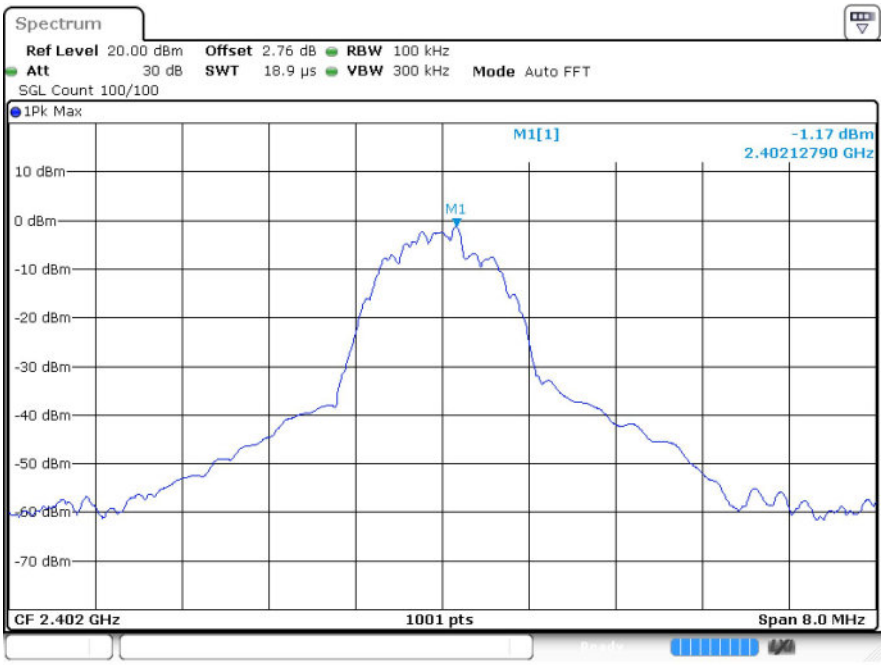
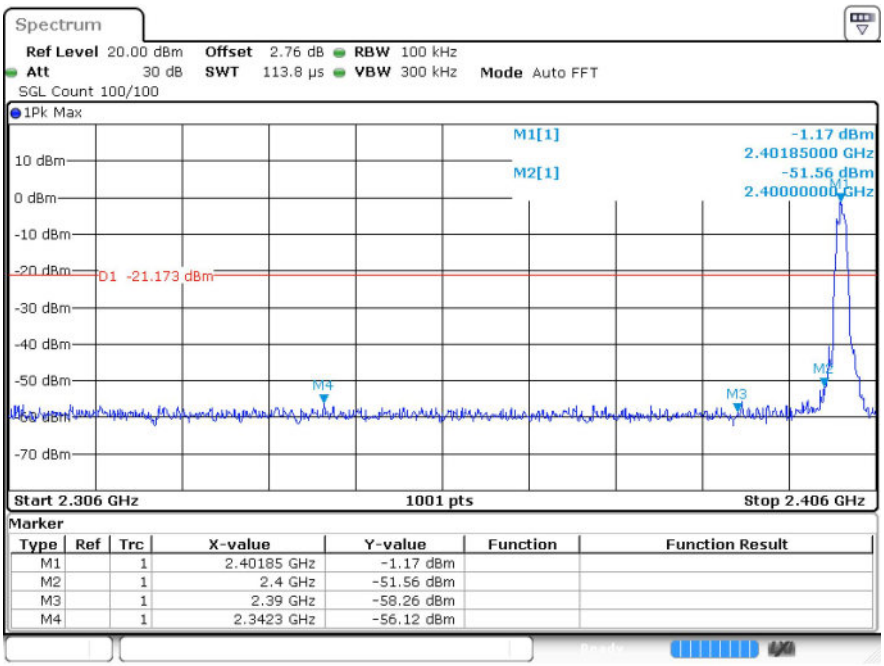
Ref.	
GFSK/HCH/Hop	

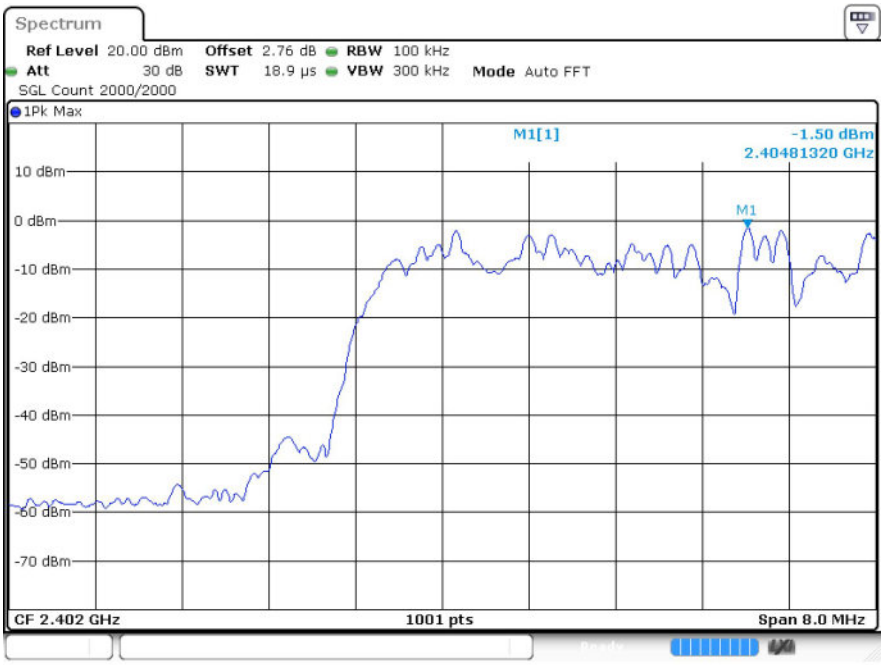
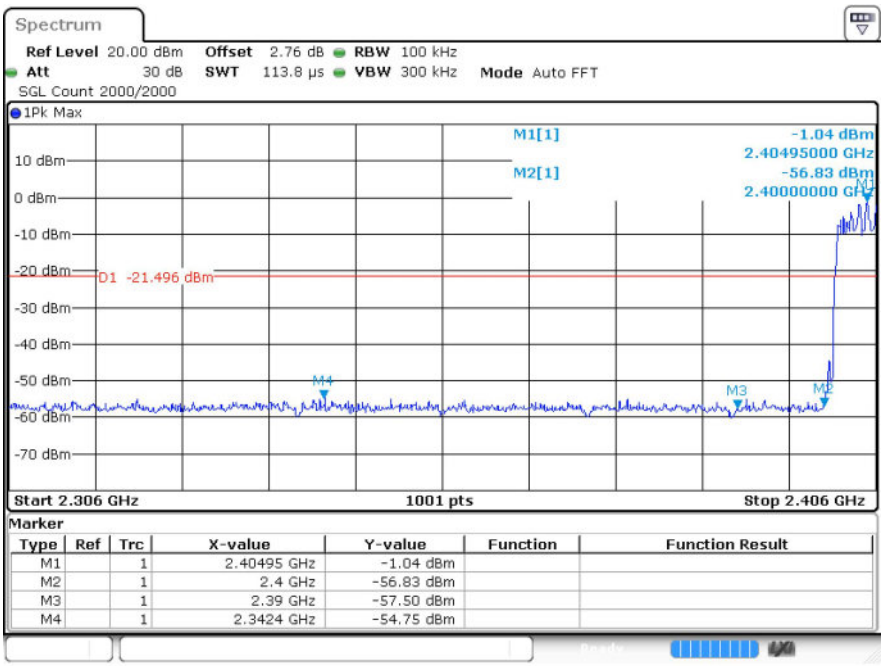
Ref	
π/4DQPSK/LCH/No Hop	

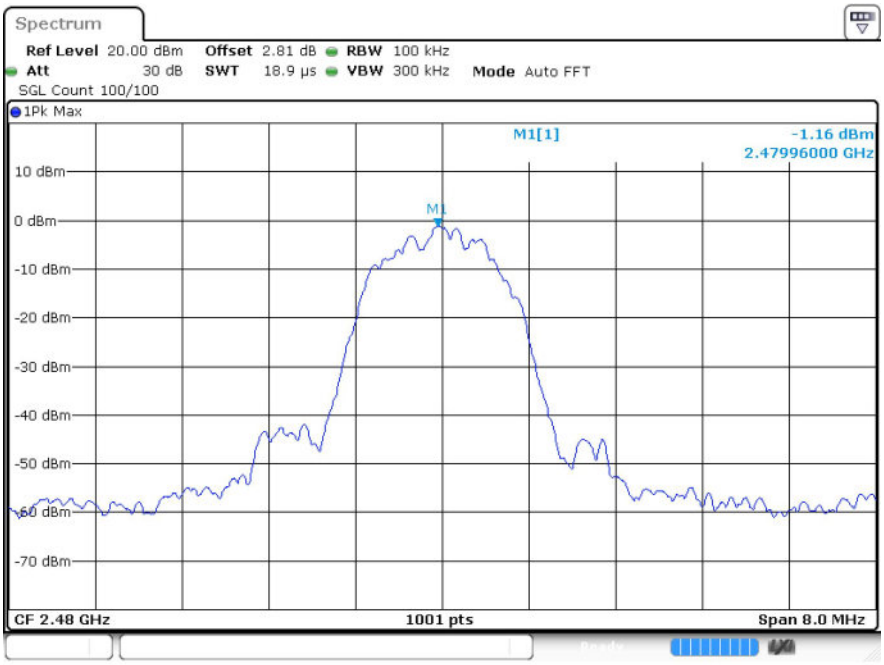
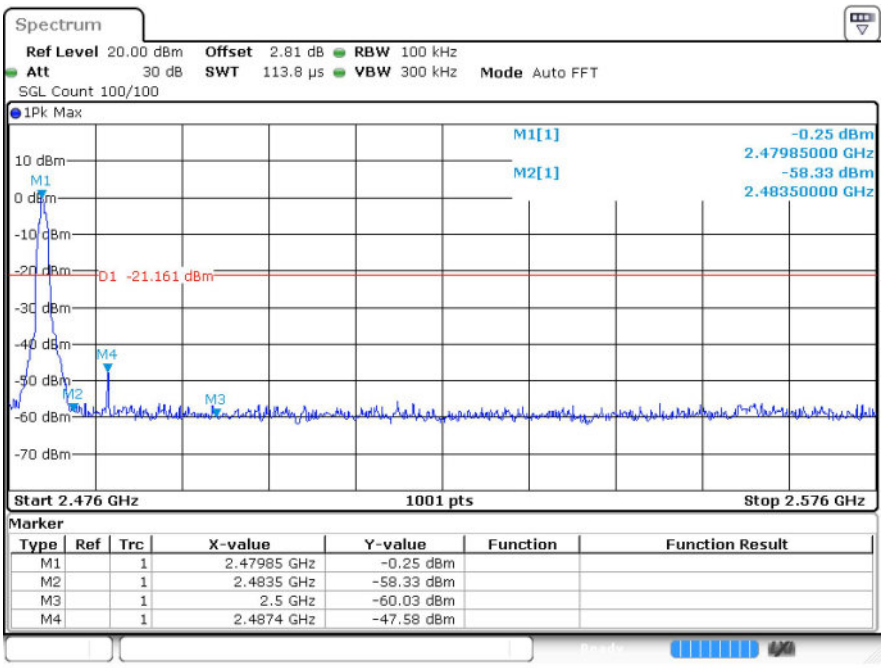
Ref	
π/4DQPSK/LCH/Hop	

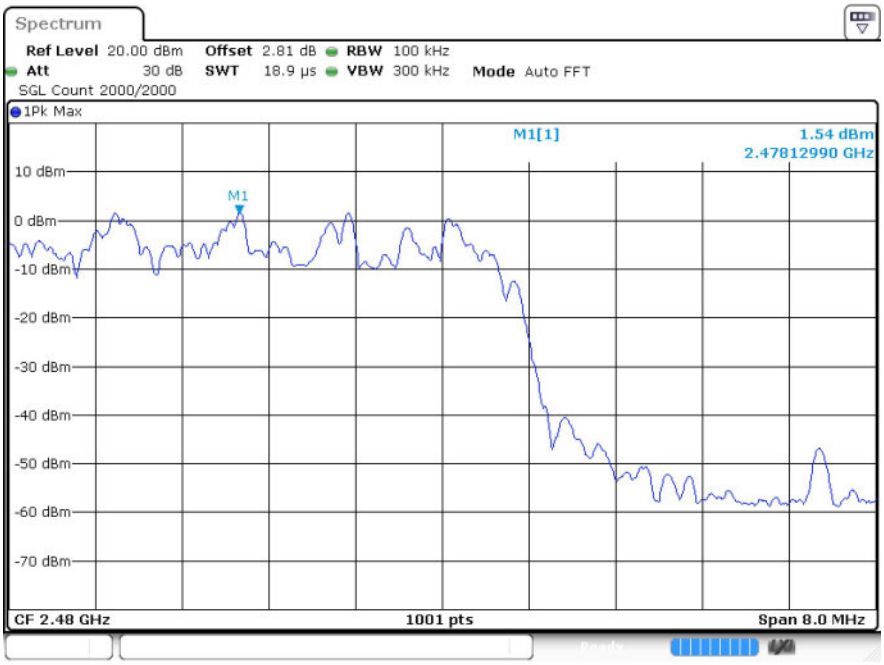
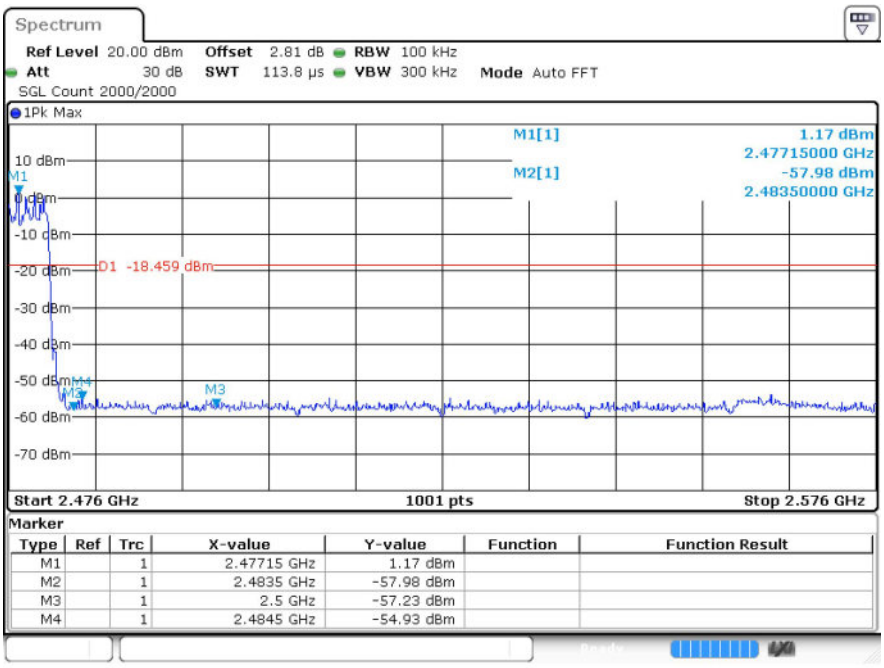
Ref	
π/4DQPSK/HCH/No Hop	

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

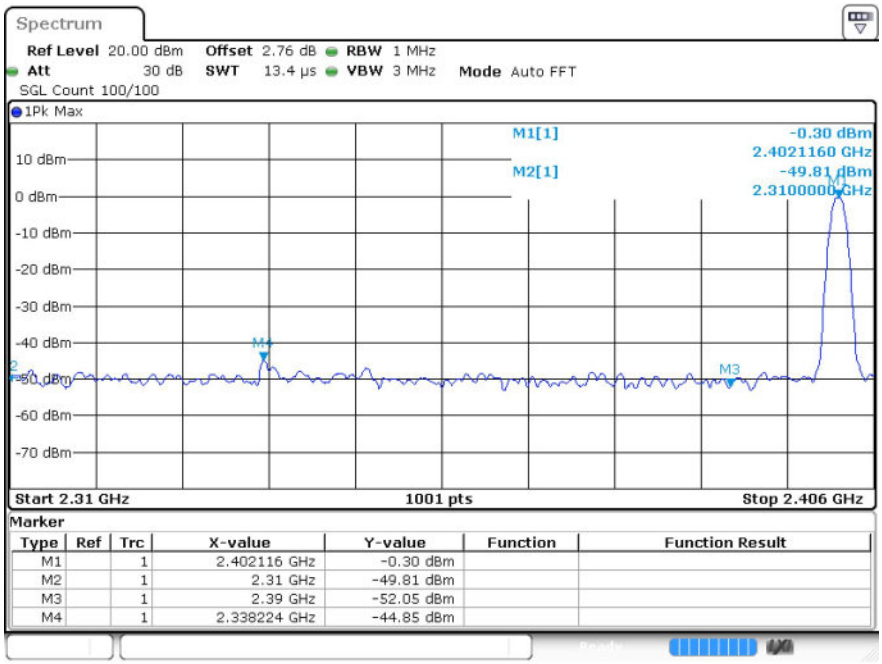
9.1 Test Result

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.81	4.29	-	49.74	PEAK	74	Pass
	Off	2310.0	-56.84	4.29	5.06	47.77	AV	54	Pass
	Off	2338.224	-44.85	4.29	-	54.7	PEAK	74	Pass
	Off	2338.416	-54.15	4.29	5.06	50.46	AV	54	Pass
	Off	2390.0	-52.05	4.29	-	47.5	PEAK	74	Pass
	Off	2390.0	-57.28	4.29	5.06	47.33	AV	54	Pass
	Off	2483.5	-49.51	4.29	-	50.04	PEAK	74	Pass
	Off	2483.5	-56.12	4.29	5.06	48.49	AV	54	Pass
	Off	2497.6	-47.84	4.29	-	51.71	PEAK	74	Pass
	Off	2483.824	-55.82	4.29	5.06	48.79	AV	54	Pass
	Off	2500.0	-49.76	4.29	-	49.79	PEAK	74	Pass
	Off	2500.0	-56.91	4.29	5.06	47.7	AV	54	Pass
π/4DQPSK	Off	2310.0	-48.19	4.29	-	51.36	PEAK	74	Pass
	Off	2310.0	-57.42	4.29	4.95	47.08	AV	54	Pass
	Off	2339.088	-45.94	4.29	-	53.61	PEAK	74	Pass
	Off	2340.24	-54.63	4.29	4.95	49.87	AV	54	Pass
	Off	2390.0	-49.34	4.29	-	50.21	PEAK	74	Pass
	Off	2390.0	-57.29	4.29	4.95	47.21	AV	54	Pass
	Off	2483.5	-46.43	4.29	-	53.12	PEAK	74	Pass
	Off	2483.5	-55.66	4.29	4.95	48.84	AV	54	Pass
	Off	2483.512	-46.42	4.29	-	53.13	PEAK	74	Pass
	Off	2487.376	-55.25	4.29	4.95	49.25	AV	54	Pass
	Off	2500.0	-50.26	4.29	-	49.29	PEAK	74	Pass
	Off	2500.0	-56.08	4.29	4.95	48.42	AV	54	Pass
8DPSK	Off	2310.0	-51.47	4.29	-	48.08	PEAK	74	Pass
	Off	2310.0	-56.86	4.29	4.95	47.64	AV	54	Pass
	Off	2341.968	-45.73	4.29	-	53.82	PEAK	74	Pass
	Off	2338.512	-54.7	4.29	4.95	49.8	AV	54	Pass

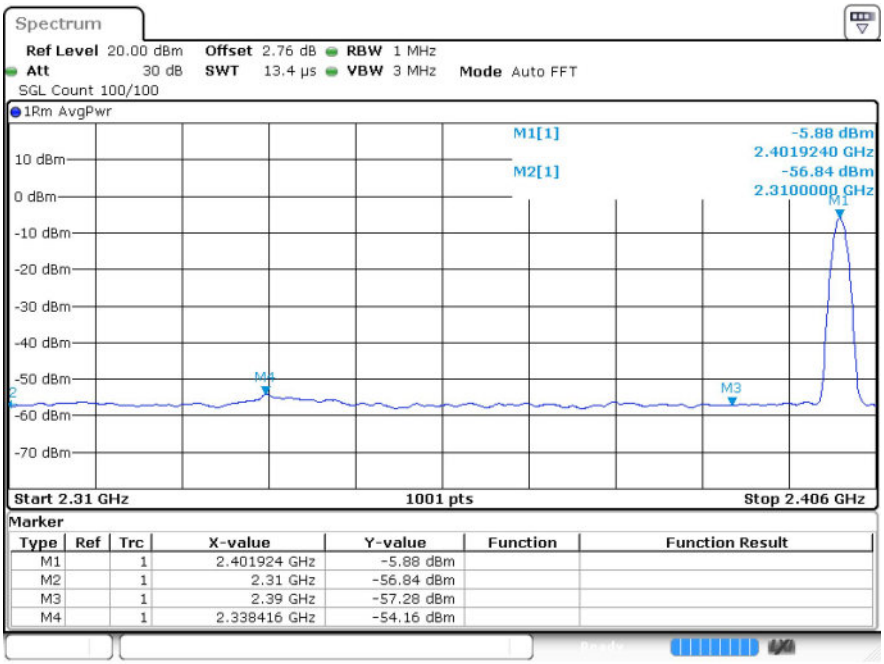
	Off	2390.0	-50.32	4.29	-	49.23	PEAK	74	Pass
	Off	2390.0	-56.91	4.29	4.95	47.59	AV	54	Pass
	Off	2483.5	-48.87	4.29	-	50.68	PEAK	74	Pass
	Off	2483.5	-55.57	4.29	4.95	48.93	AV	54	Pass
	Off	2487.4	-45.74	4.29	-	53.81	PEAK	74	Pass
	Off	2483.68	-55.52	4.29	4.95	48.98	AV	54	Pass
	Off	2500.0	-50.4	4.29	-	49.15	PEAK	74	Pass
	Off	2500.0	-56.45	4.29	4.95	48.05	AV	54	Pass

9.2 Test Graphs

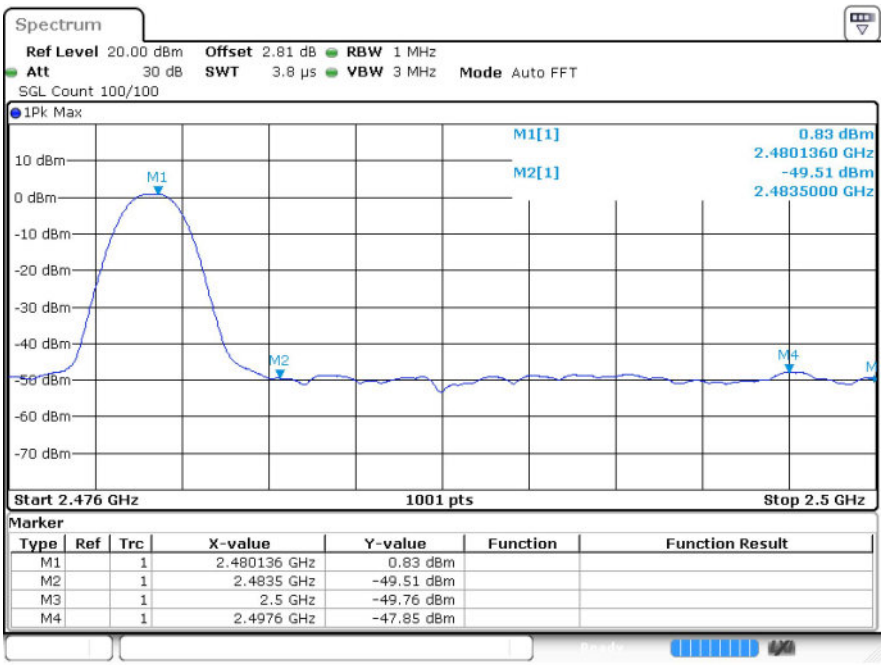
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



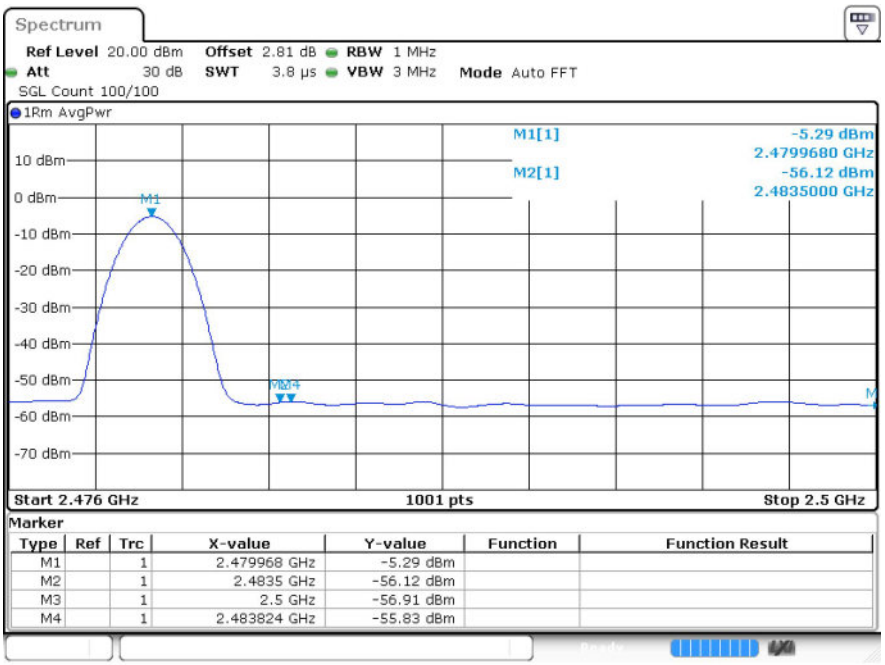
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



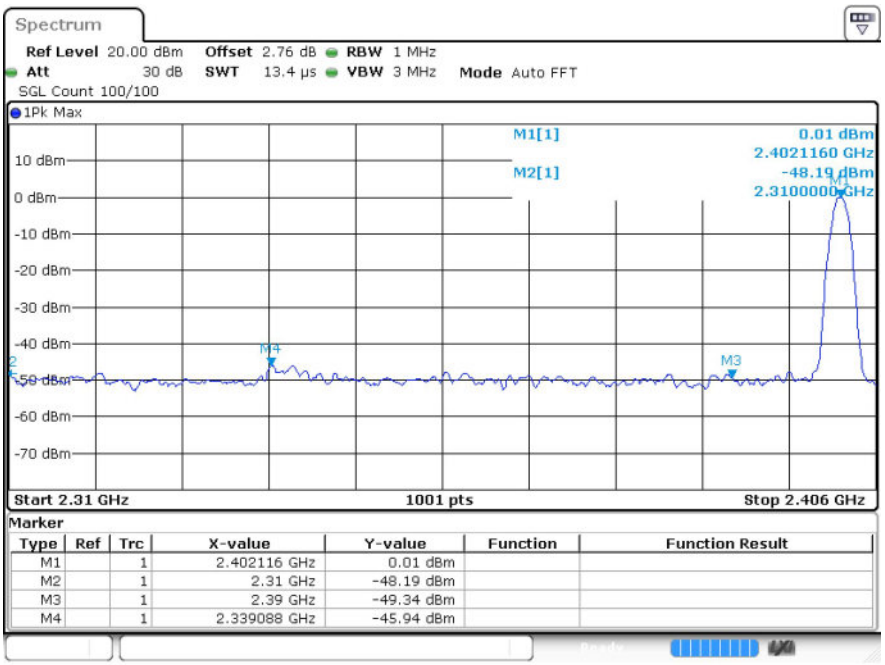
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



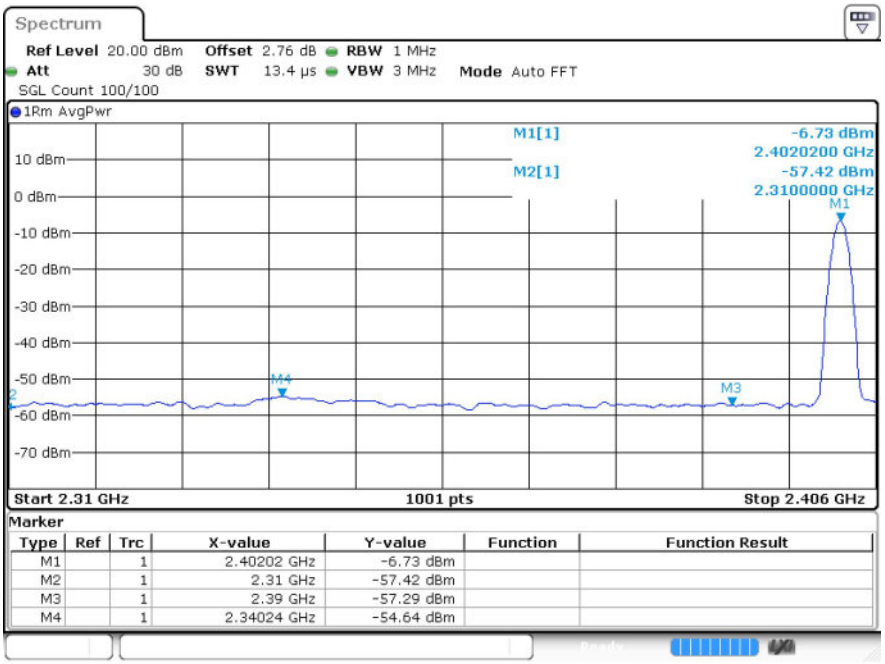
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



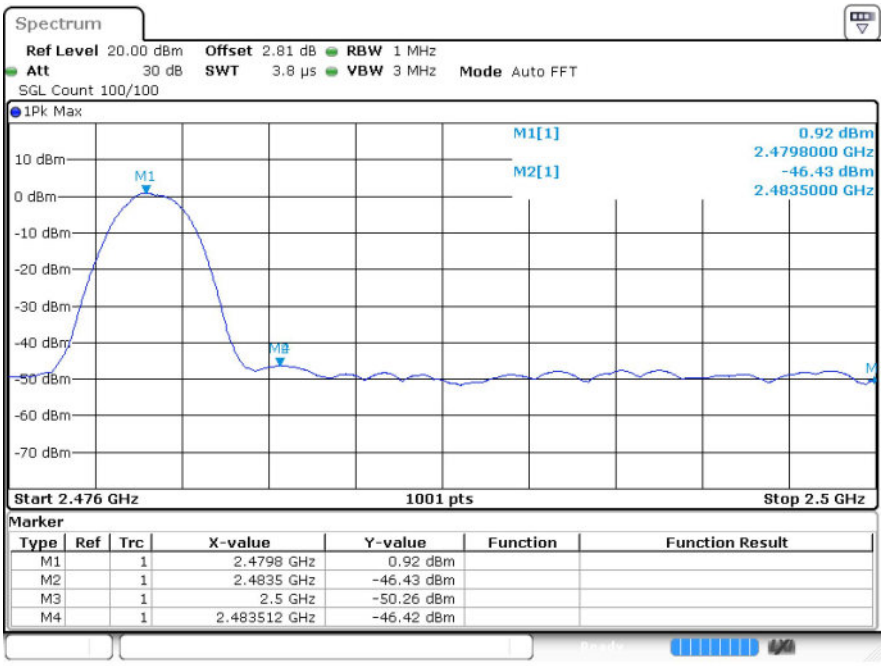
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



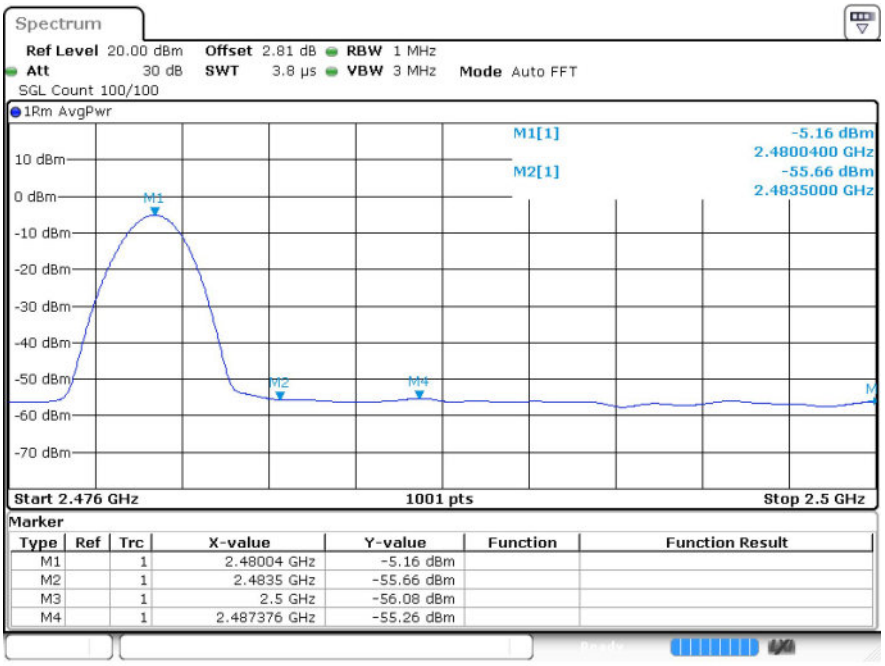
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



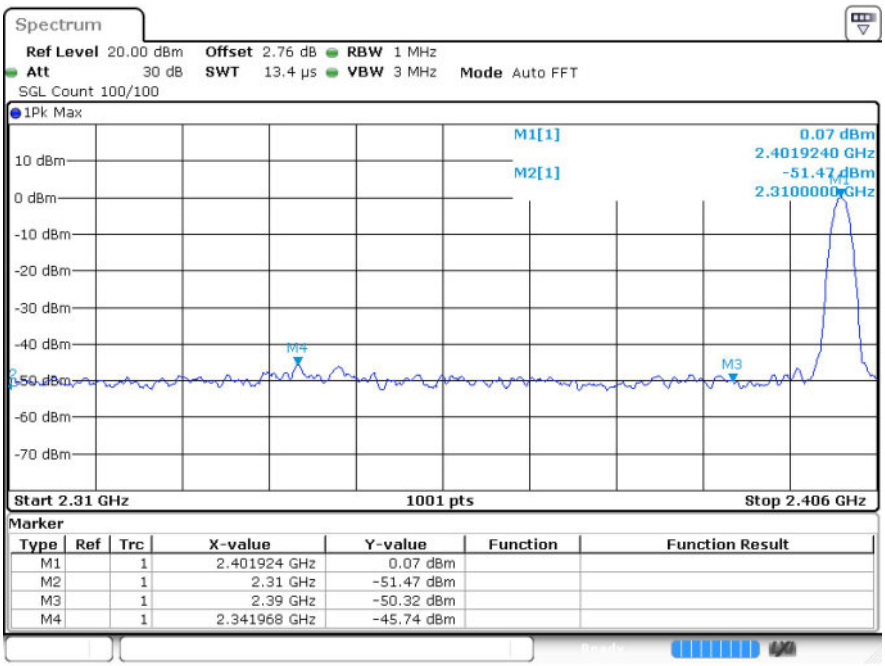
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



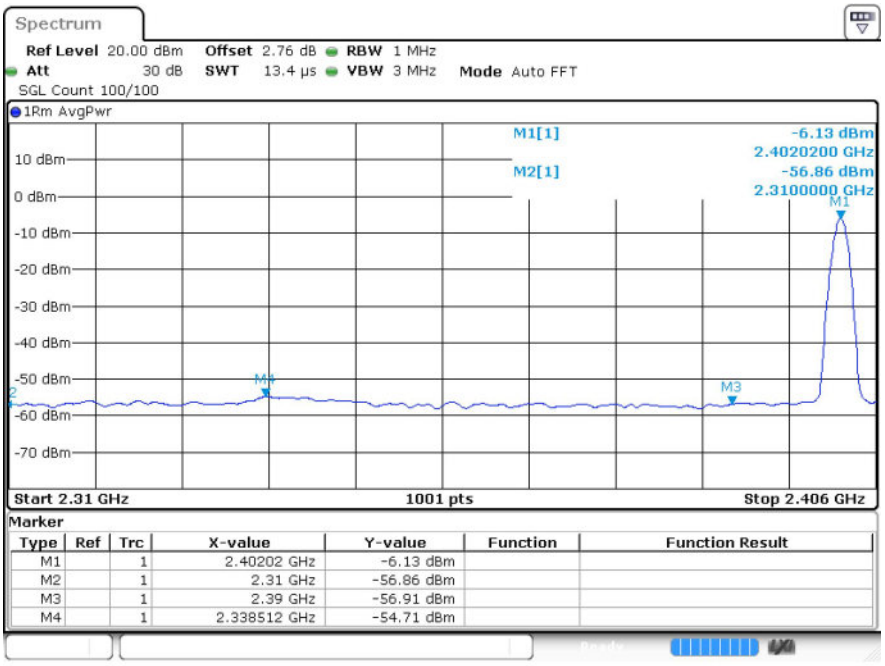
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



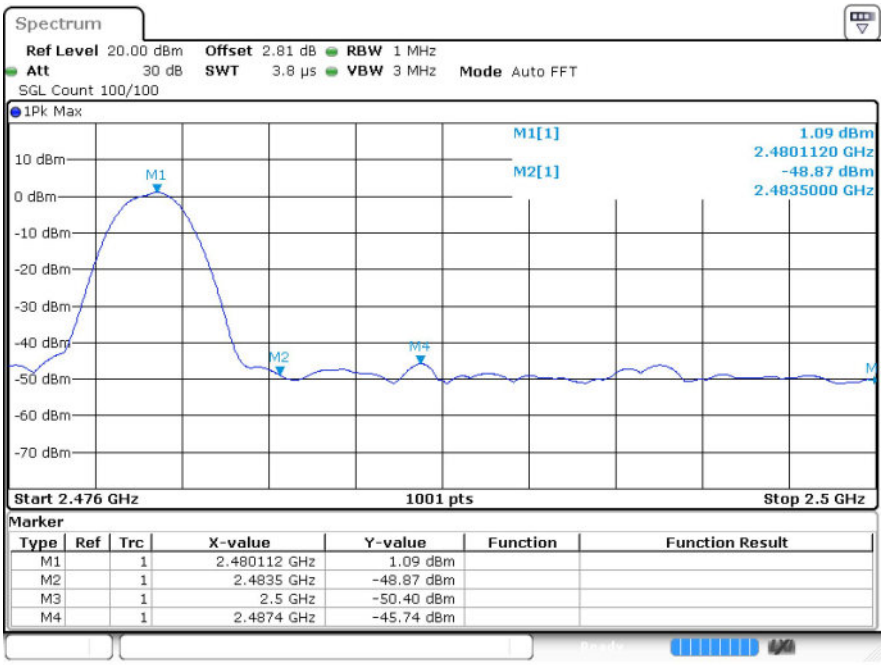
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



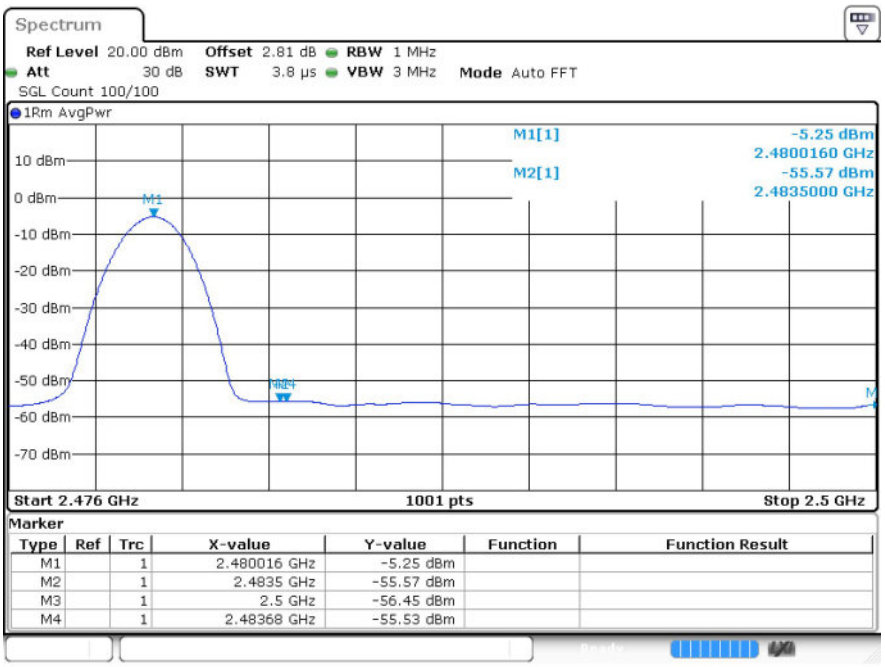
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---