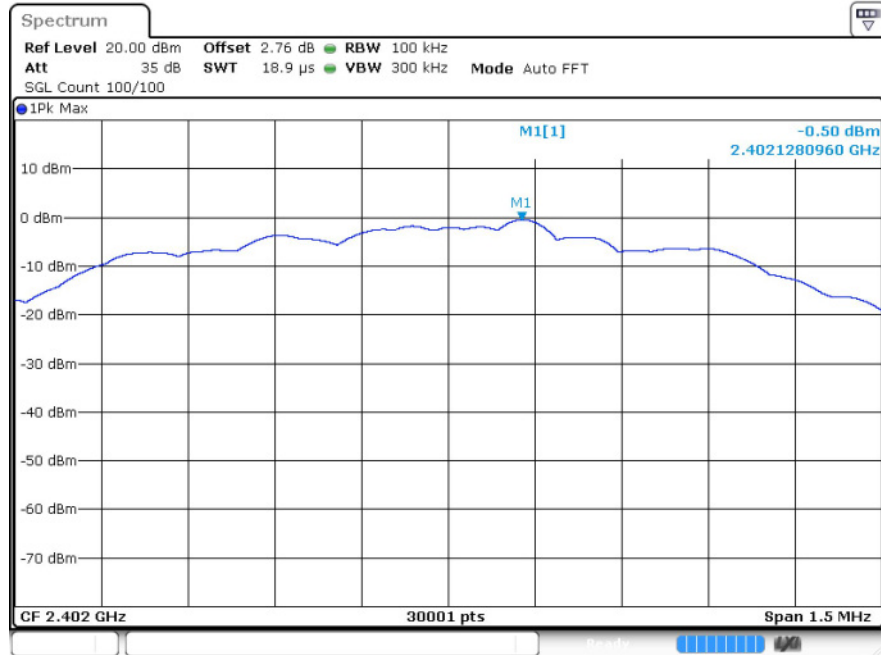
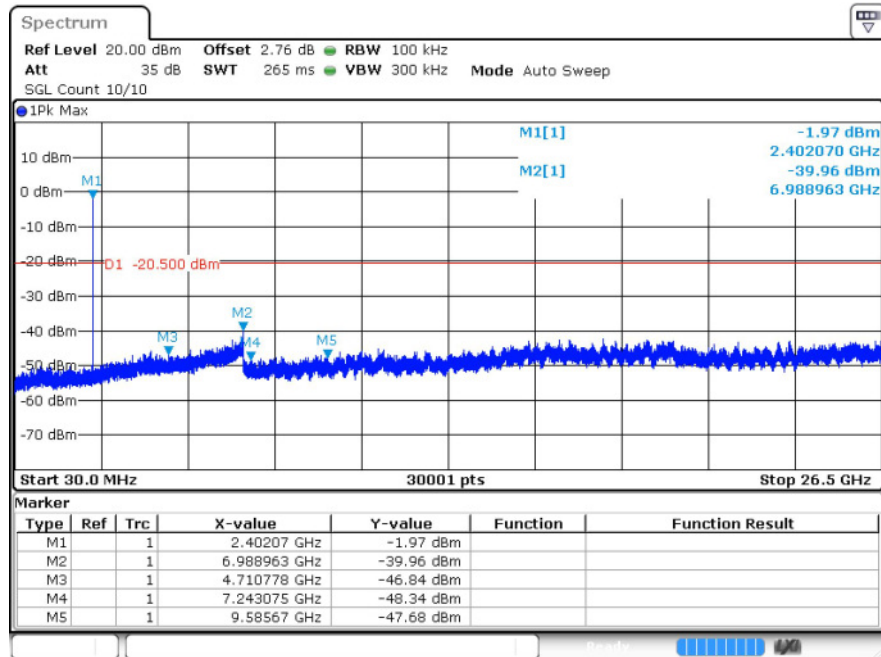


8DPSK_LCH_Graphs

Pref

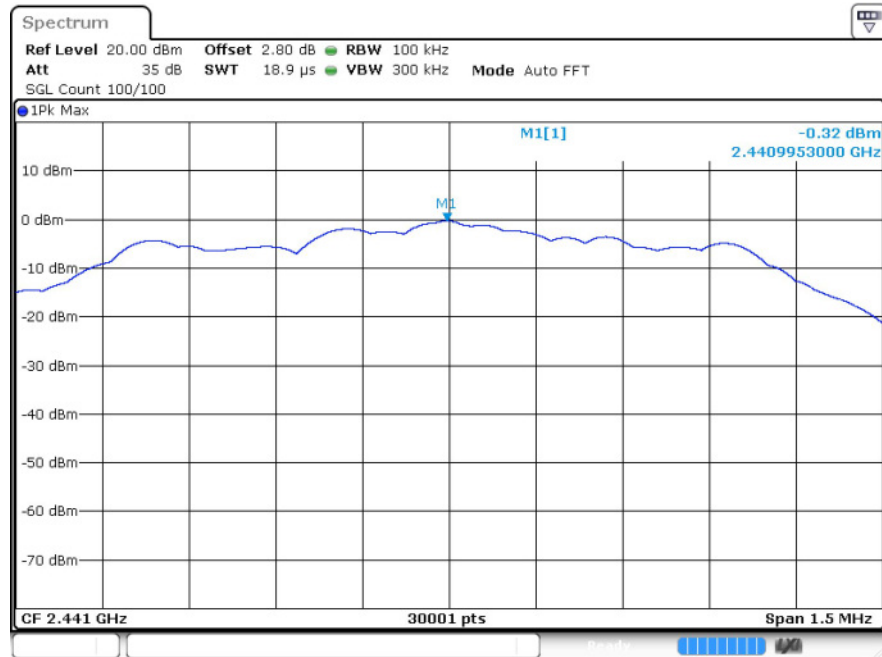


Puw

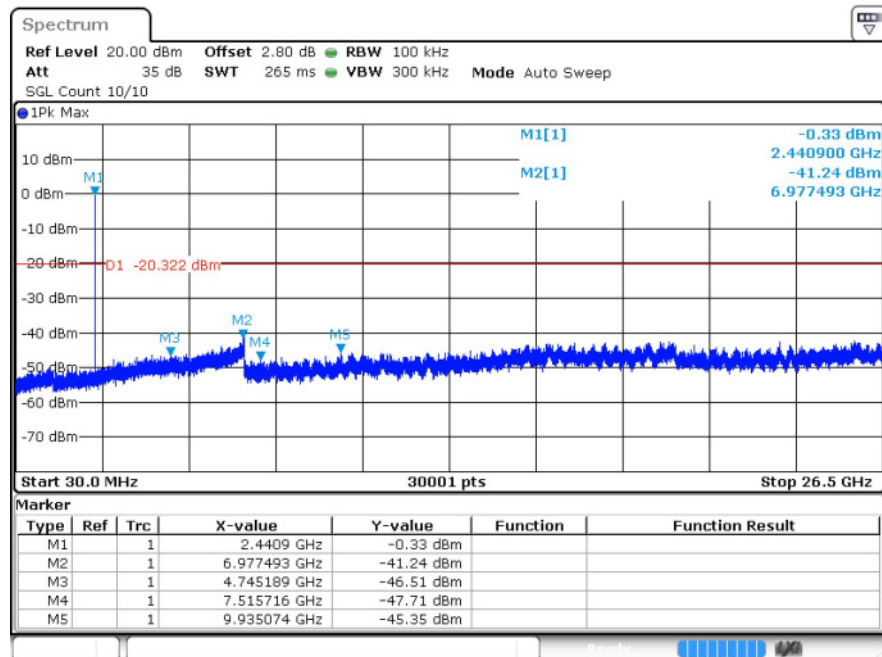


8DPSK_MCH_Graphs

Pref

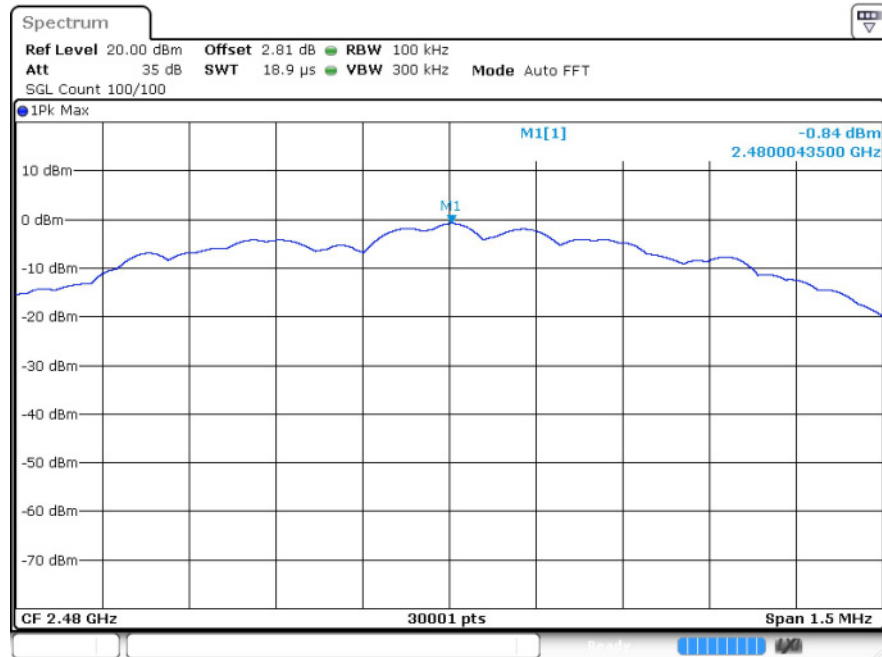


Puw

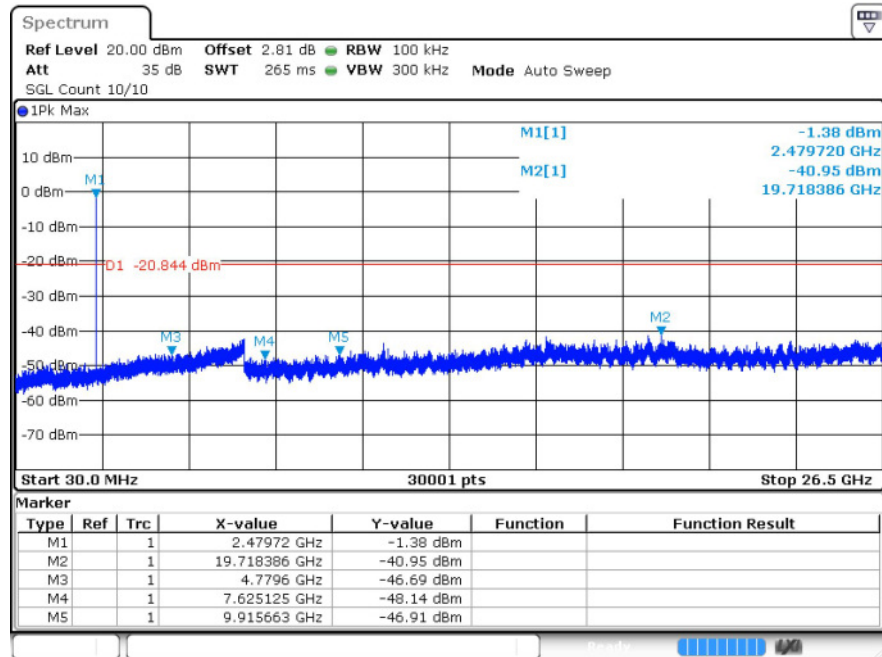


8DPSK_HCH_Graphs

Pref



Puw

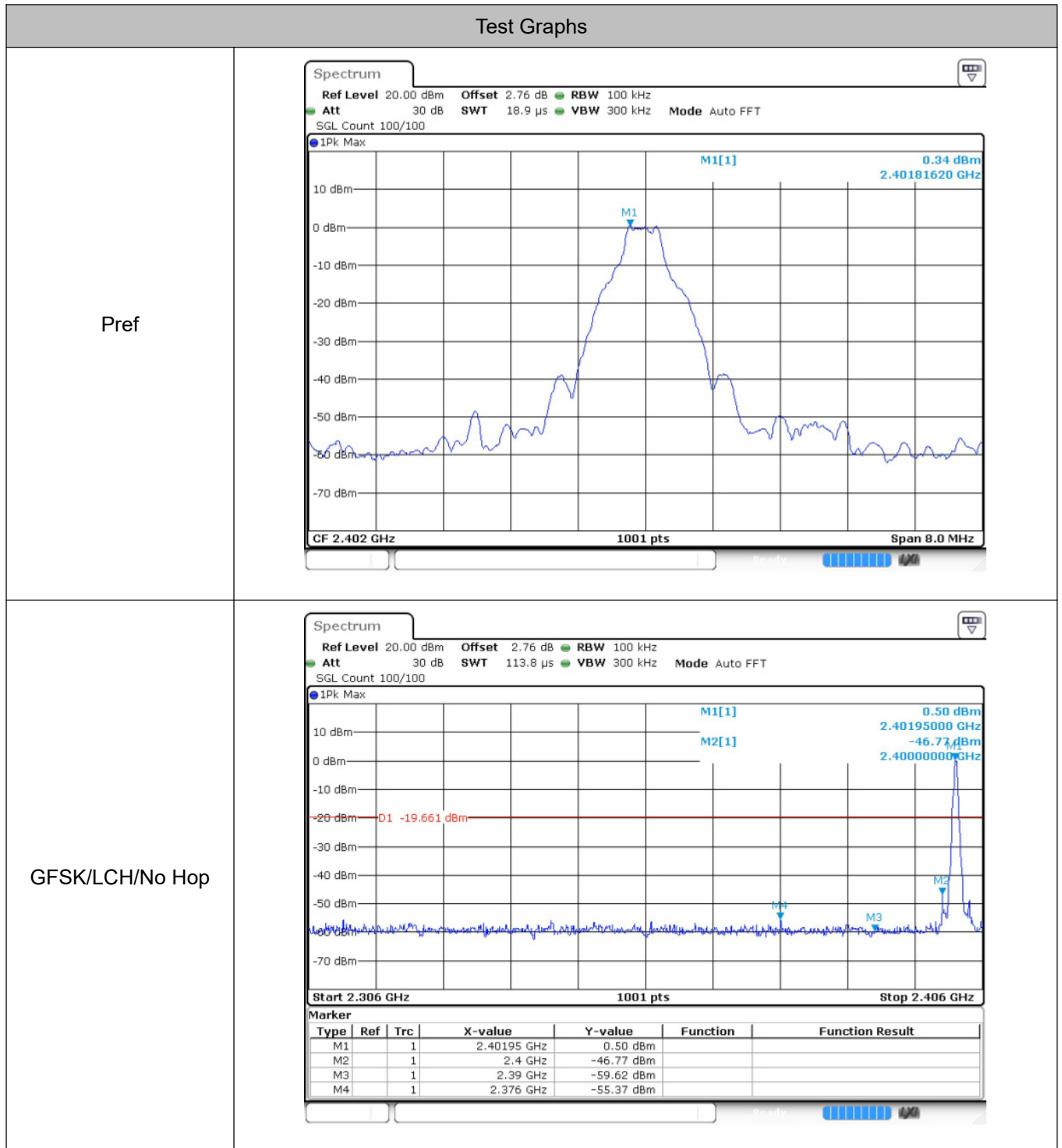


8 Band-edge for RF Conducted Emissions

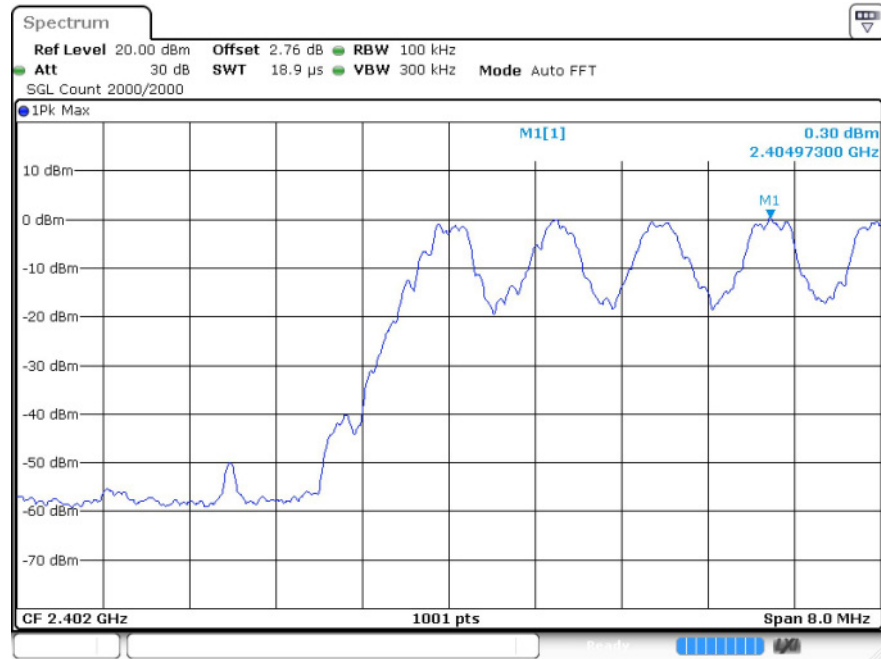
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-55.7	-20	Pass
			On	-54.73	-20	Pass
	HCH	2480	Off	-48.83	-20	Pass
			On	-49.53	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-55.53	-20	Pass
			On	-54.46	-20	Pass
	HCH	2480	Off	-48.86	-20	Pass
			On	-47.89	-20	Pass
8DPSK	LCH	2402	Off	-55.09	-20	Pass
			On	-53.8	-20	Pass
	HCH	2480	Off	-54.12	-20	Pass
			On	-50.22	-20	Pass

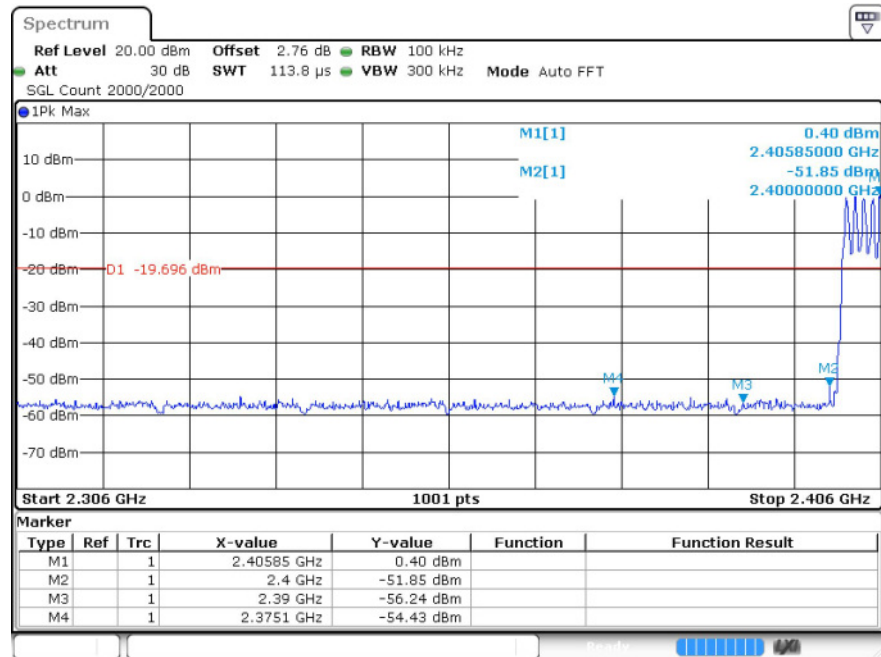
8.2 Test Graphs



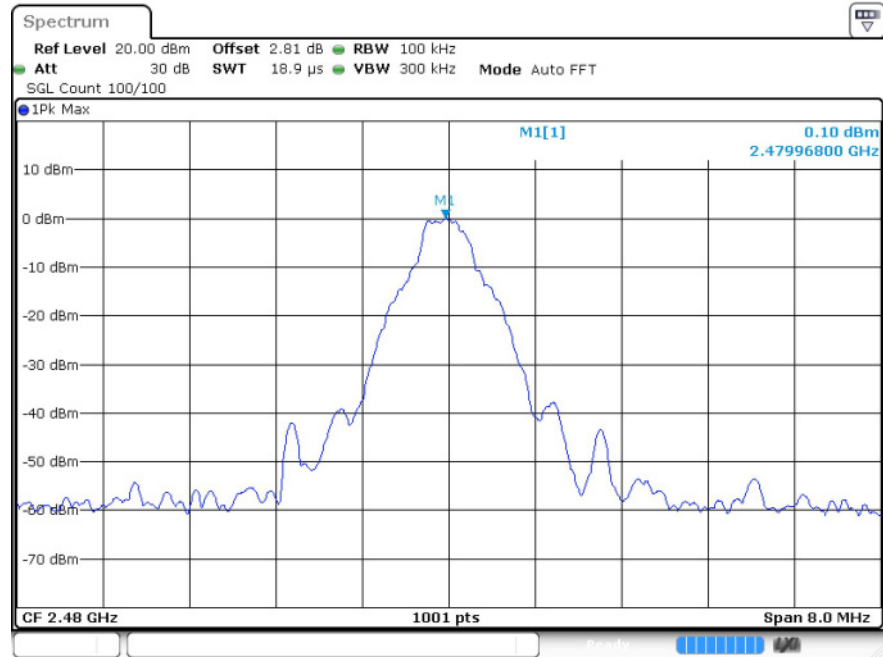
Ref



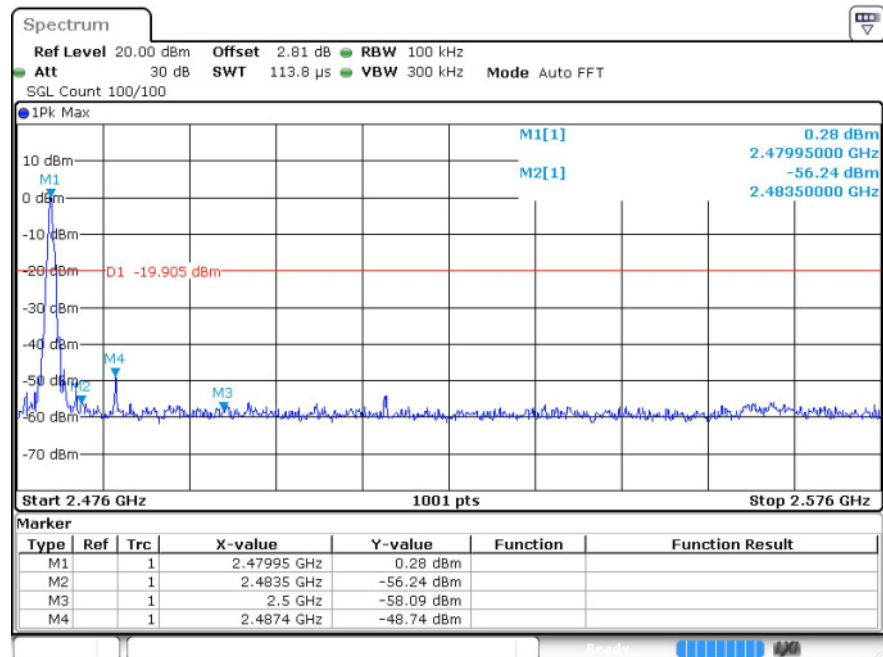
GFSK/LCH/Hop



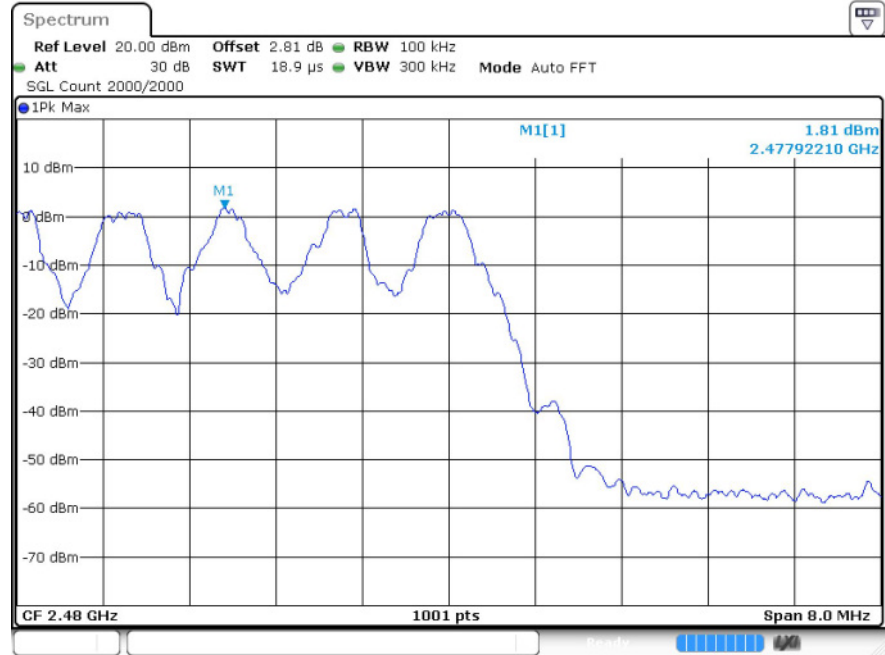
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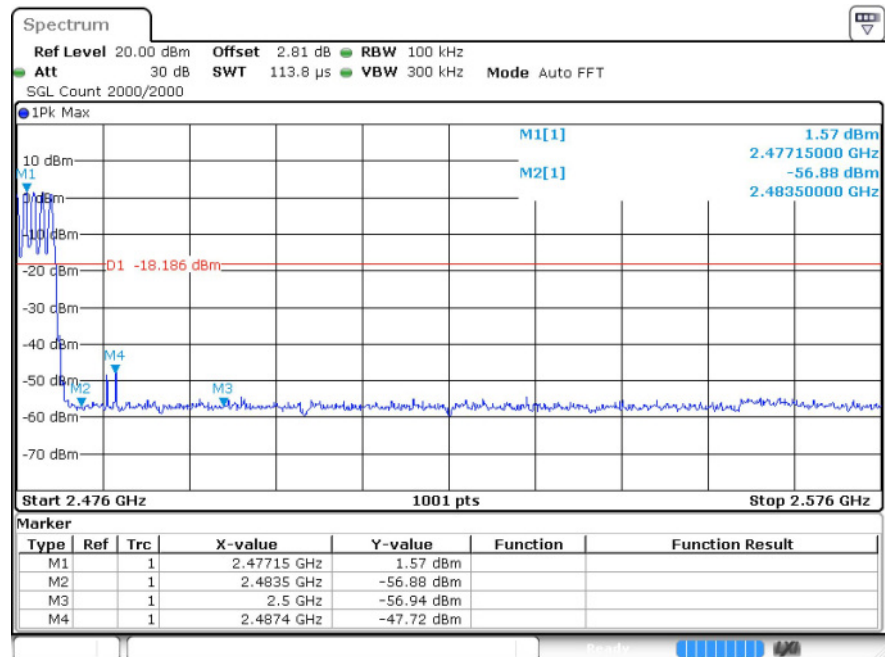
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



Spectrum

Ref Level 20.00 dBm Offset 2.76 dB RBW 100 kHz
 Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
 SGL Count 100/100

1Pk Max

M1[1] -0.62 dBm
 2.40198400 GHz

CF 2.402 GHz 1001 pts Span 8.0 MHz

Spectrum

Ref Level 20.00 dBm Offset 2.76 dB RBW 100 kHz
 Att 30 dB SWT 113.8 μ s VBW 300 kHz Mode Auto FFT
 SGL Count 100/100

1Pk Max

10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm

M1[1] -0.49 dBm
 2.40195000 GHz
 M2[1] -48.56 dBm
 2.40000000 GHz

D1 -20.617 dBm

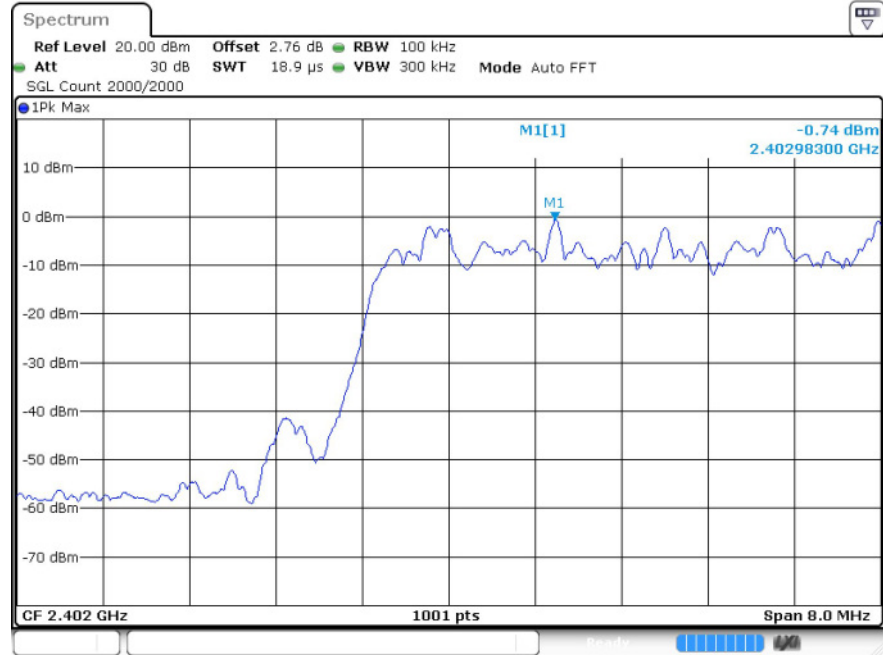
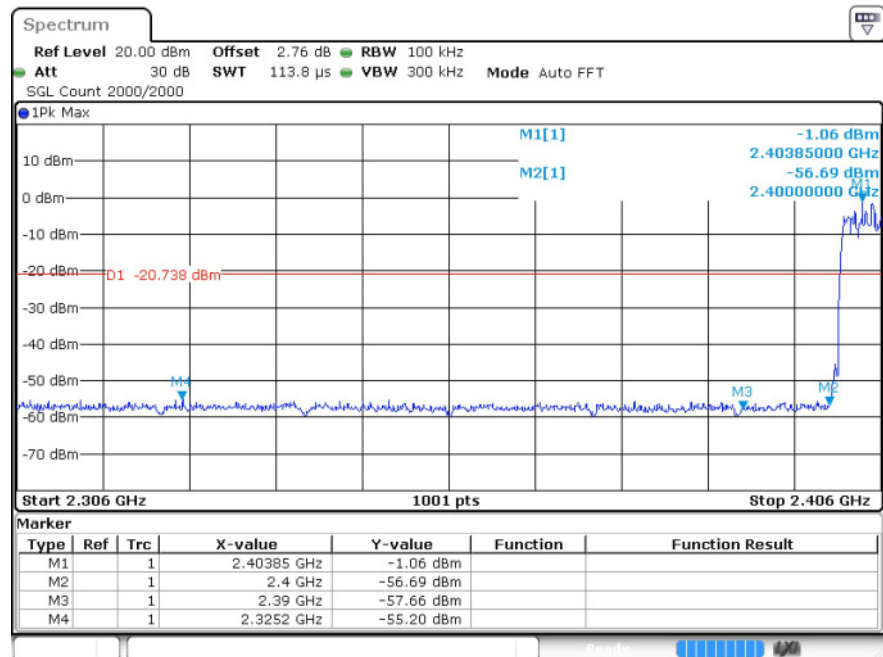
M4
M3
M2

Start 2.306 GHz 1001 pts Stop 2.406 GHz

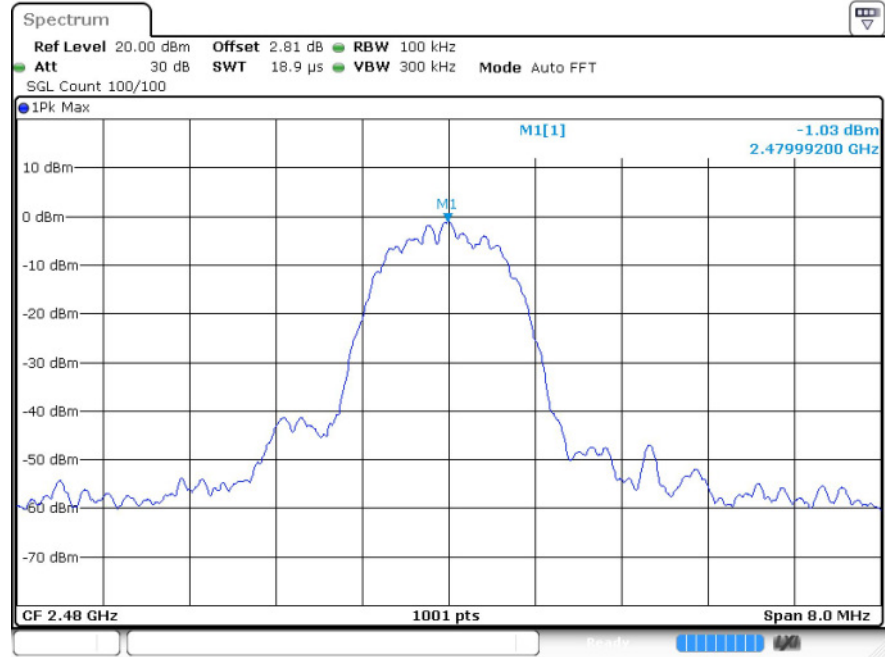
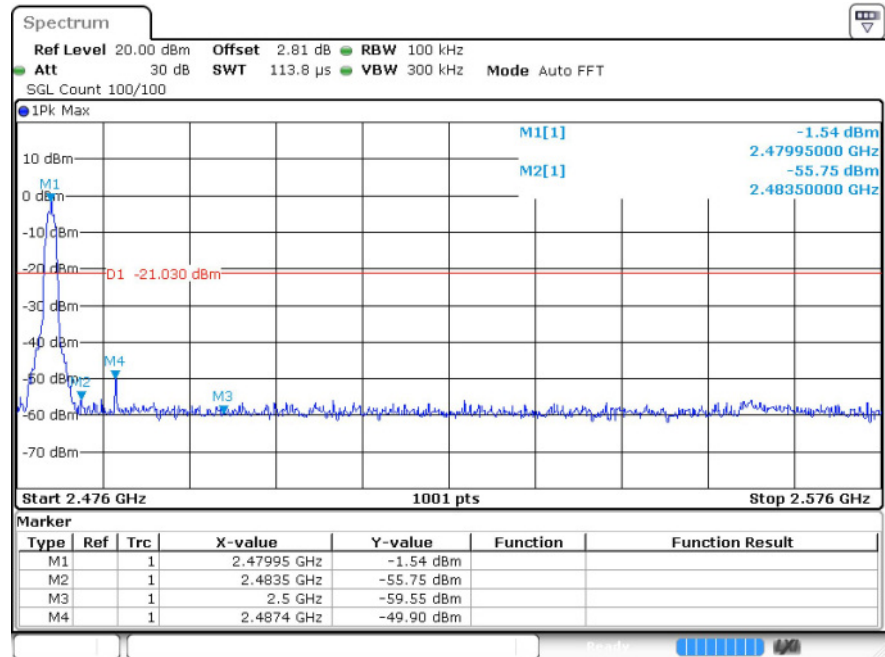
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40195 GHz	-0.49 dBm		
M2		1	2.4 GHz	-48.56 dBm		
M3		1	2.39 GHz	-57.17 dBm		
M4		1	2.3235 GHz	-56.16 dBm		

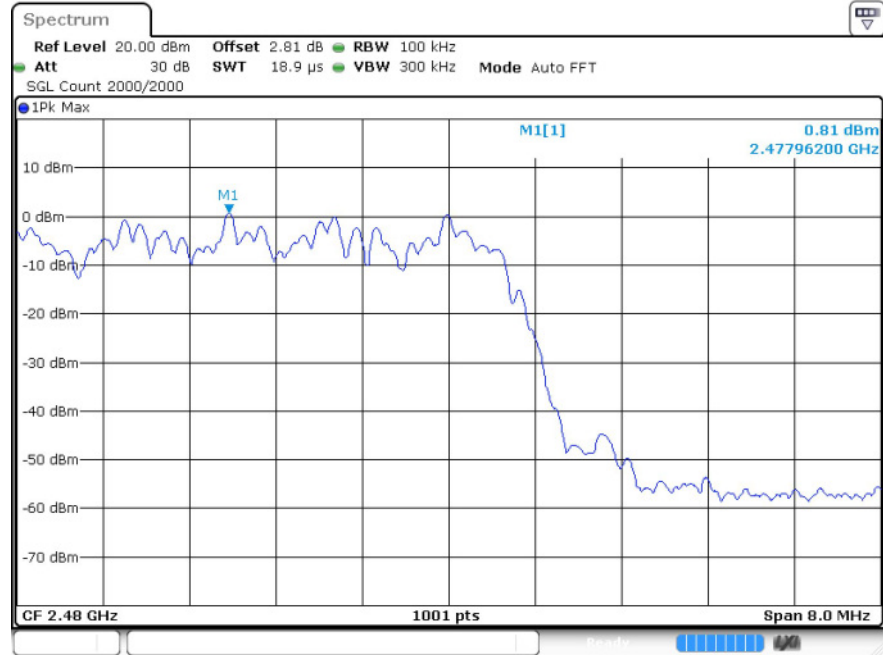
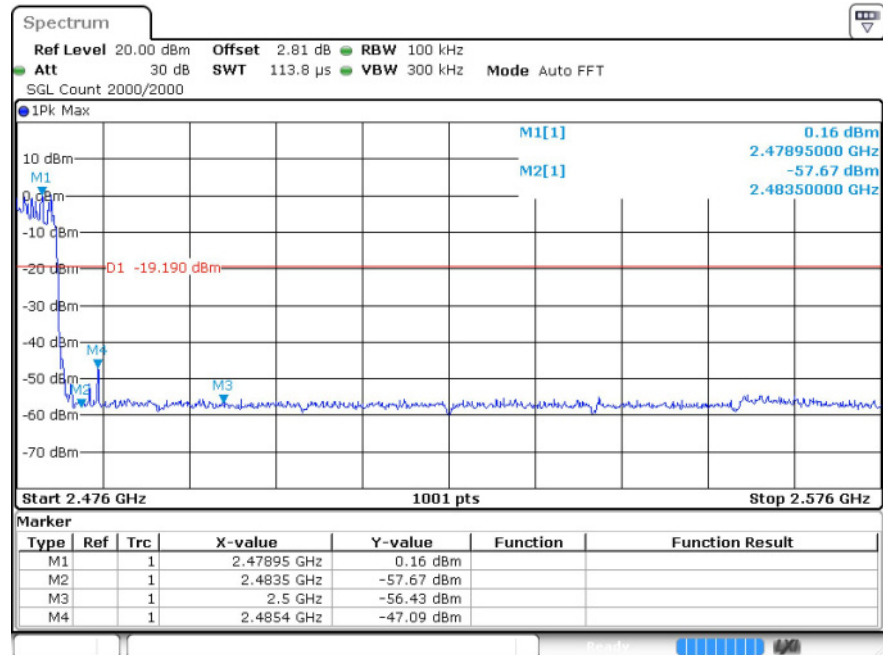
Ref


 $\pi/4$ DQPSK/LCH/Hop


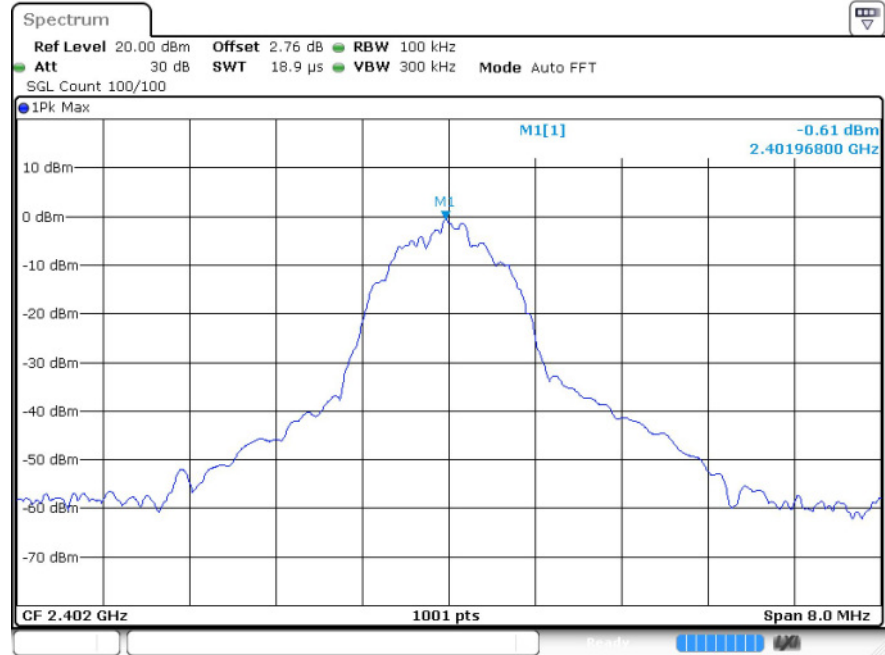
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 $\pi/4$ DQPSK/HCH/No
Hop


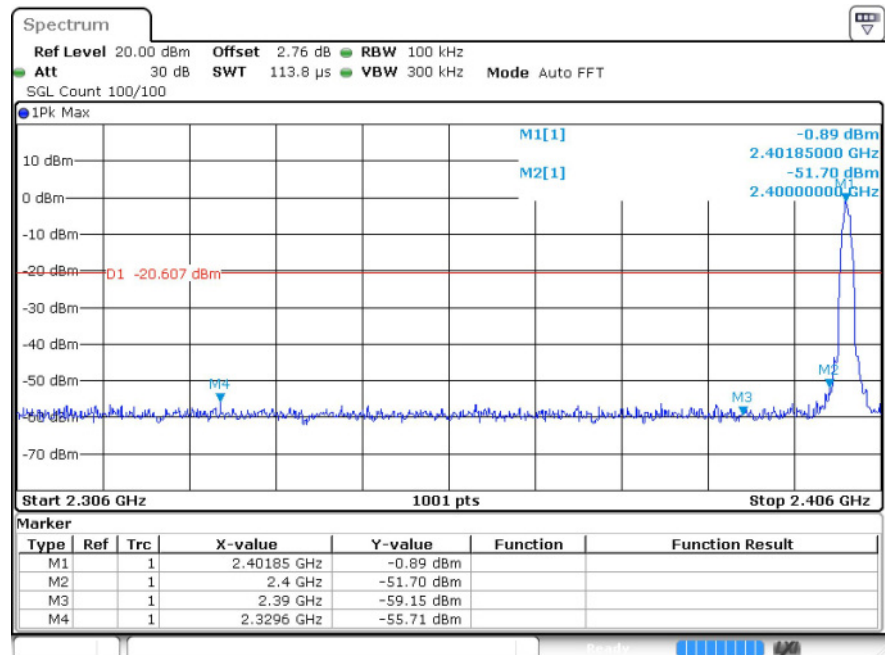
Ref


 $\pi/4$ DQPSK/HCH/Hop


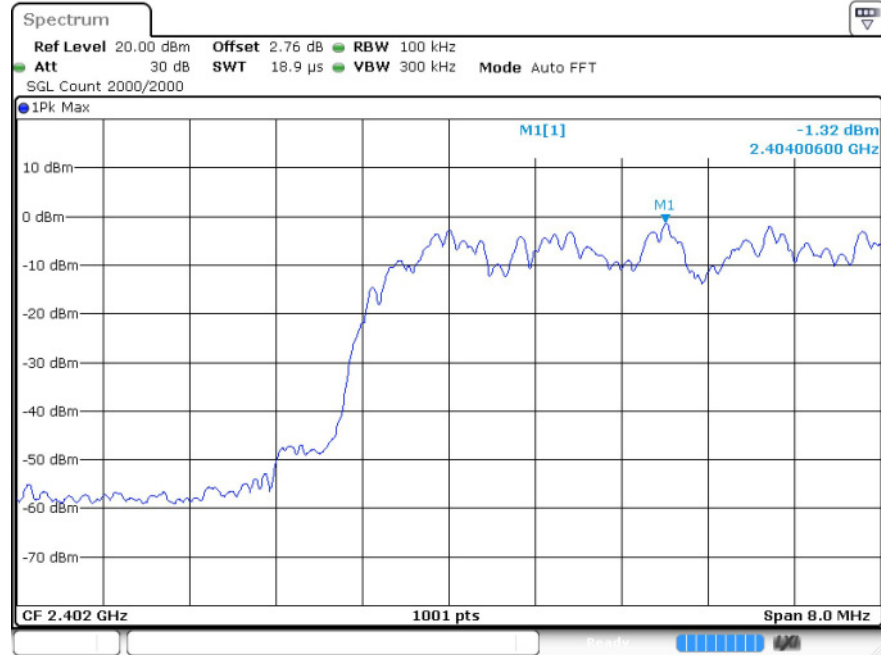
Ref



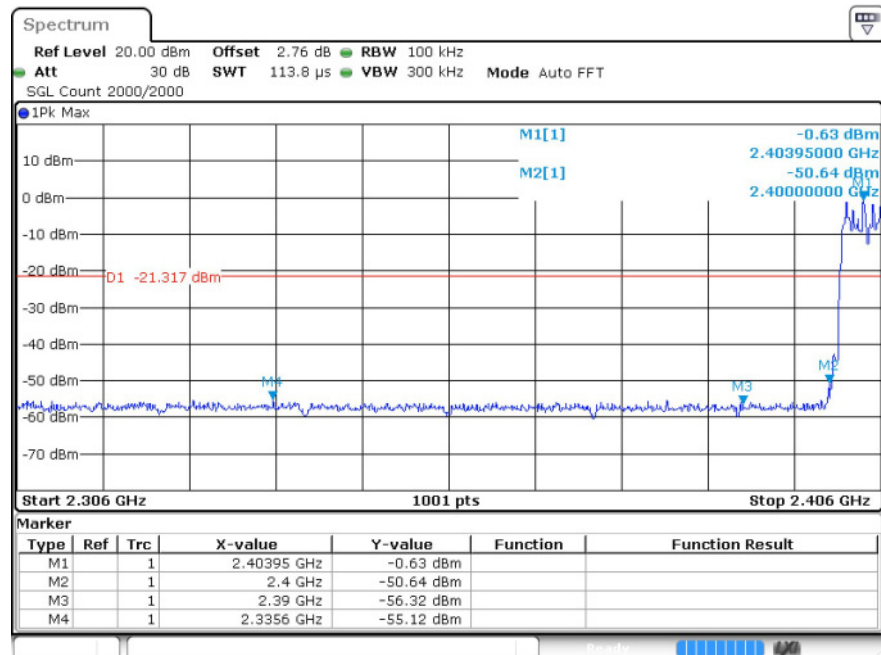
8DPSK/LCH/No Hop



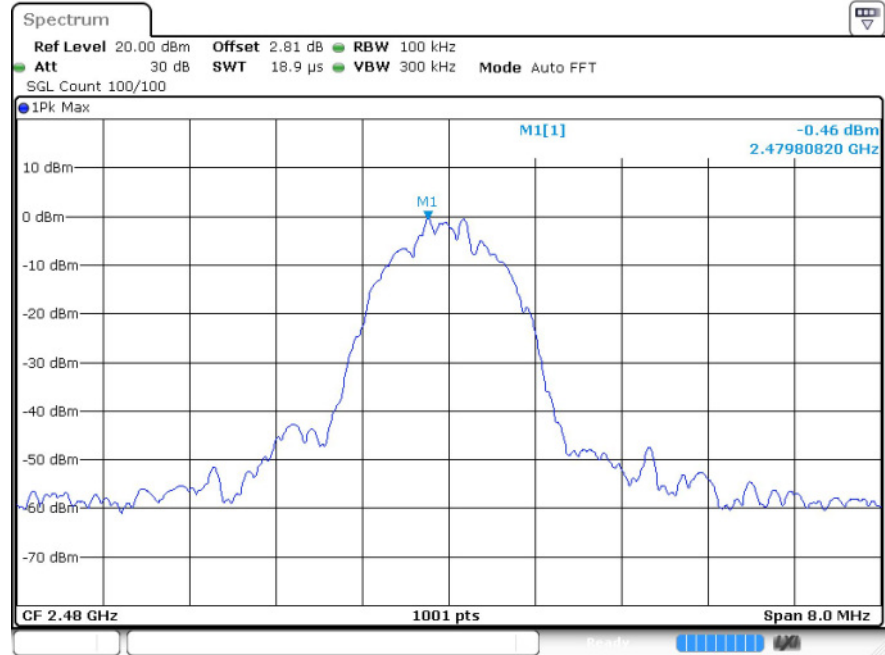
Ref



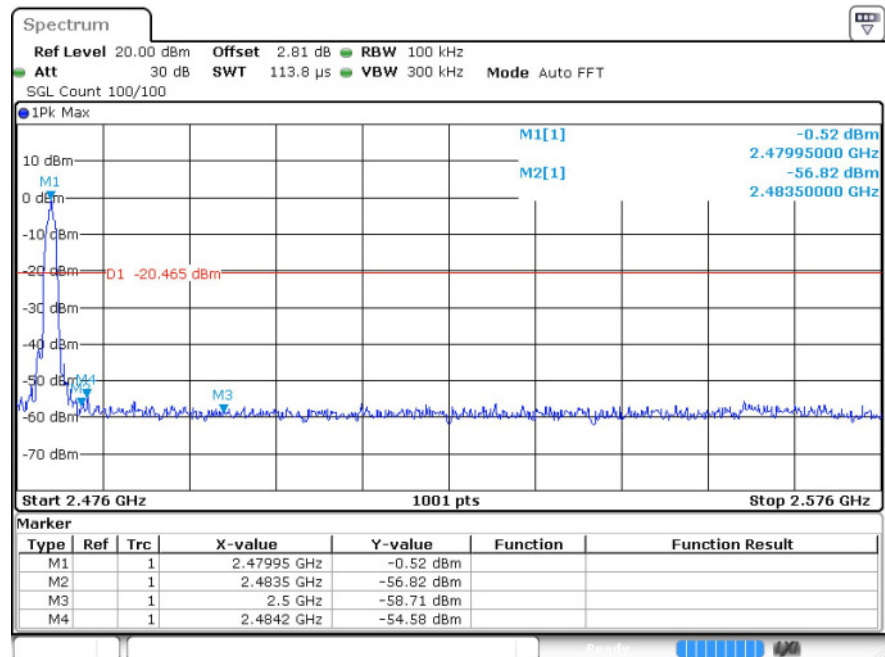
8DPSK/LCH/Hop



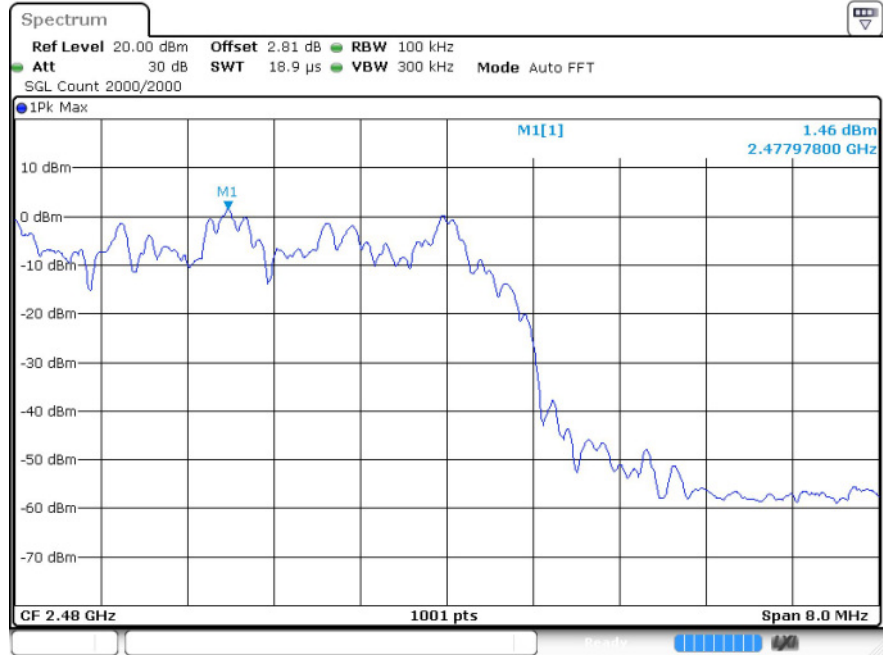
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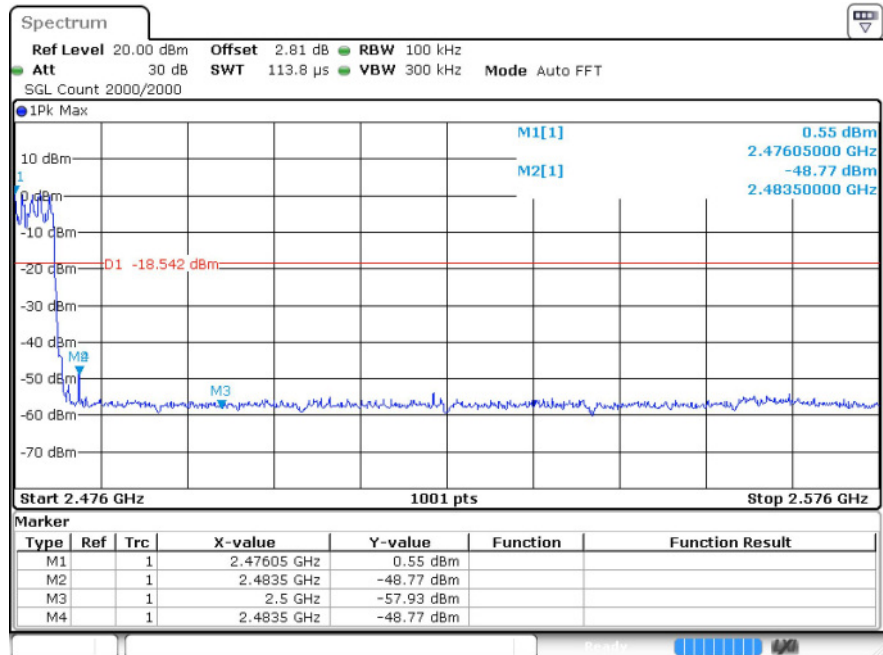
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



9 Restrict-band band-edge measurements

9.1 Test Result

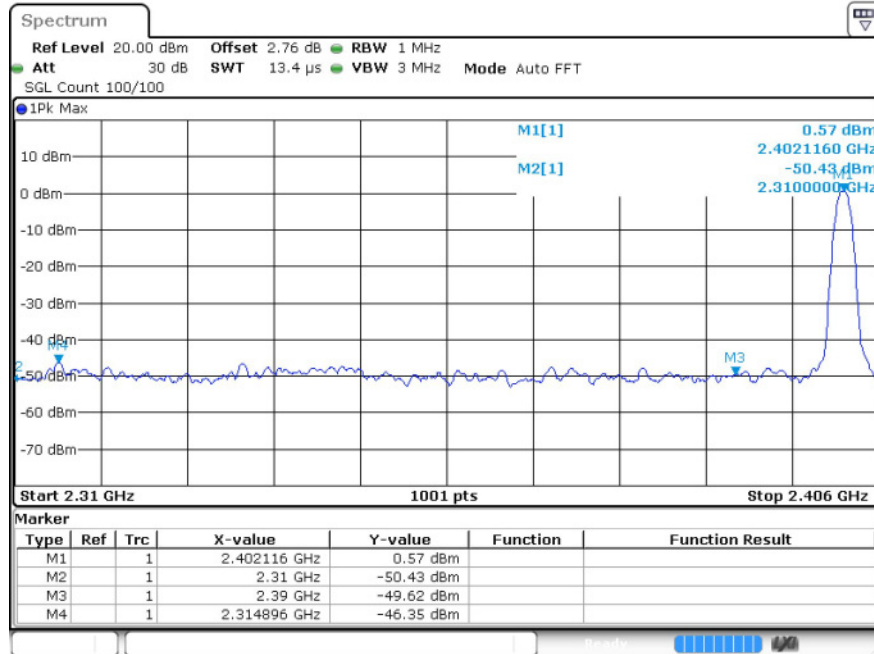
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-50.43	2	-	46.83	PEAK	74	Pass
	Off	2310.0	-56.39	2	5.06	45.93	AV	54	Pass
	Off	2314.896	-46.34	2	-	50.92	PEAK	74	Pass
	Off	2341.584	-54.35	2	5.06	47.97	AV	54	Pass
	Off	2390.0	-49.62	2	-	47.64	PEAK	74	Pass
	Off	2390.0	-57.06	2	5.06	45.26	AV	54	Pass
	Off	2483.5	-49.11	2	-	48.15	PEAK	74	Pass
	Off	2483.5	-57.49	2	4.95	44.72	AV	54	Pass
	Off	2484.88	-46.19	2	-	51.07	PEAK	74	Pass
	Off	2487.352	-55.61	2	4.95	46.6	AV	54	Pass
	Off	2500.0	-49.93	2	-	47.33	PEAK	74	Pass
	Off	2500.0	-55.75	2	4.95	46.46	AV	54	Pass
$\pi/4$ DQPSK	Off	2310.0	-48.96	2	-	48.3	PEAK	74	Pass
	Off	2310.0	-57.75	2	4.95	44.46	AV	54	Pass
	Off	2353.872	-47	2	-	50.26	PEAK	74	Pass
	Off	2338.128	-53.76	2	4.95	48.45	AV	54	Pass
	Off	2390.0	-47.92	2	-	49.34	PEAK	74	Pass
	Off	2390.0	-56.83	2	4.95	45.38	AV	54	Pass
	Off	2483.5	-47.72	2	-	49.54	PEAK	74	Pass
	Off	2483.5	-56.21	2	4.95	46	AV	54	Pass
	Off	2487.304	-46.82	2	-	50.44	PEAK	74	Pass
	Off	2487.448	-54.98	2	4.95	47.23	AV	54	Pass
	Off	2500.0	-49.65	2	-	47.61	PEAK	74	Pass
	Off	2500.0	-56.86	2	4.95	45.35	AV	54	Pass
8DPSK	Off	2310.0	-50.14	2	-	47.12	PEAK	74	Pass
	Off	2310.0	-56.19	2	4.95	46.02	AV	54	Pass
	Off	2338.992	-46.89	2	-	50.37	PEAK	74	Pass
	Off	2341.68	-54.54	2	4.95	47.67	AV	54	Pass



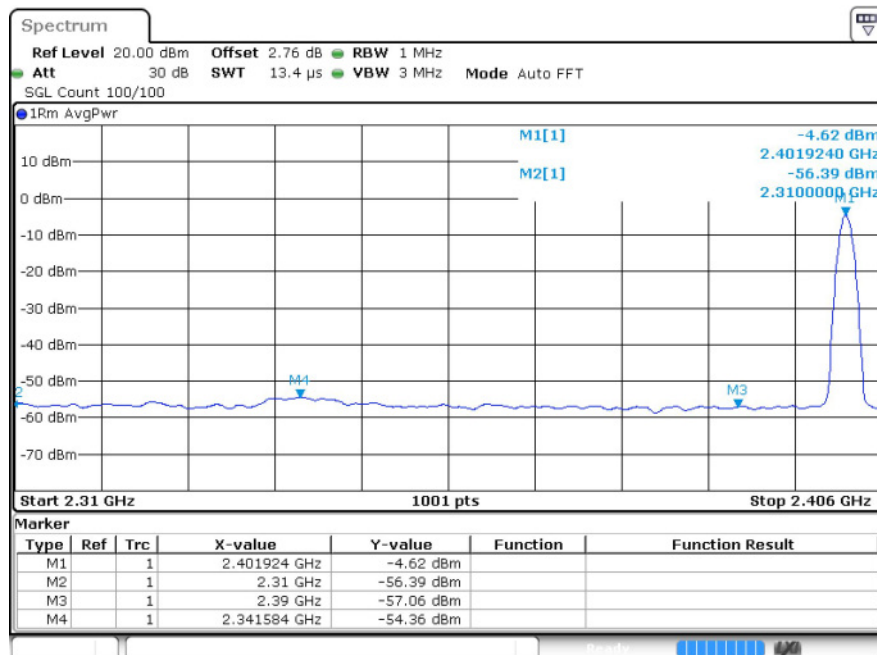
Off	2390.0	-48.3	2	-	48.96	PEAK	74	Pass
Off	2390.0	-57.27	2	4.95	44.94	AV	54	Pass
Off	2483.5	-49.75	2	-	47.51	PEAK	74	Pass
Off	2483.5	-55.98	2	4.95	46.23	AV	54	Pass
Off	2496.976	-46.39	2	-	50.87	PEAK	74	Pass
Off	2487.424	-54.81	2	4.95	47.4	AV	54	Pass
Off	2500.0	-50.08	2	-	47.18	PEAK	74	Pass
Off	2500.0	-56.01	2	4.95	46.2	AV	54	Pass

9.2 Test Graphs

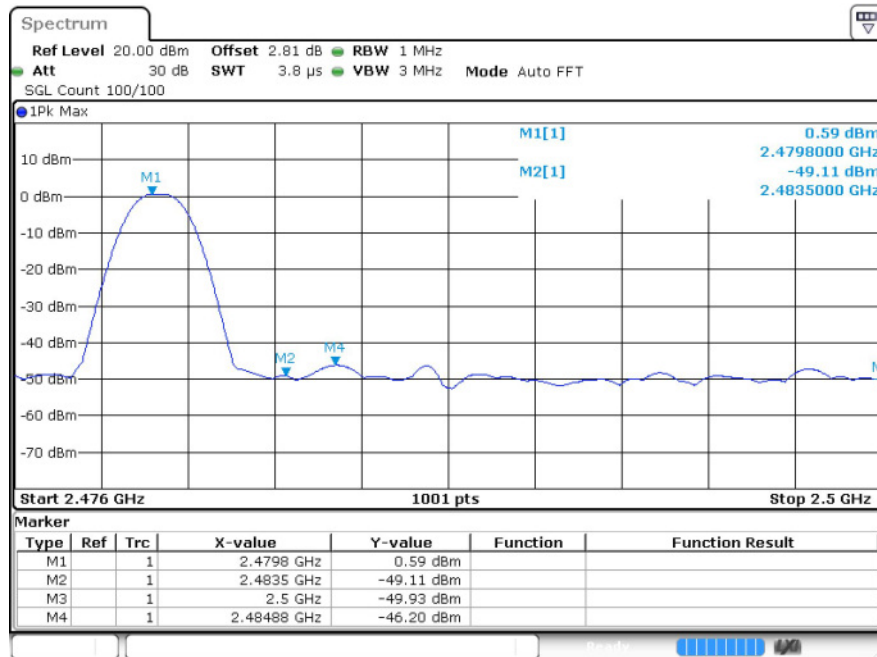
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



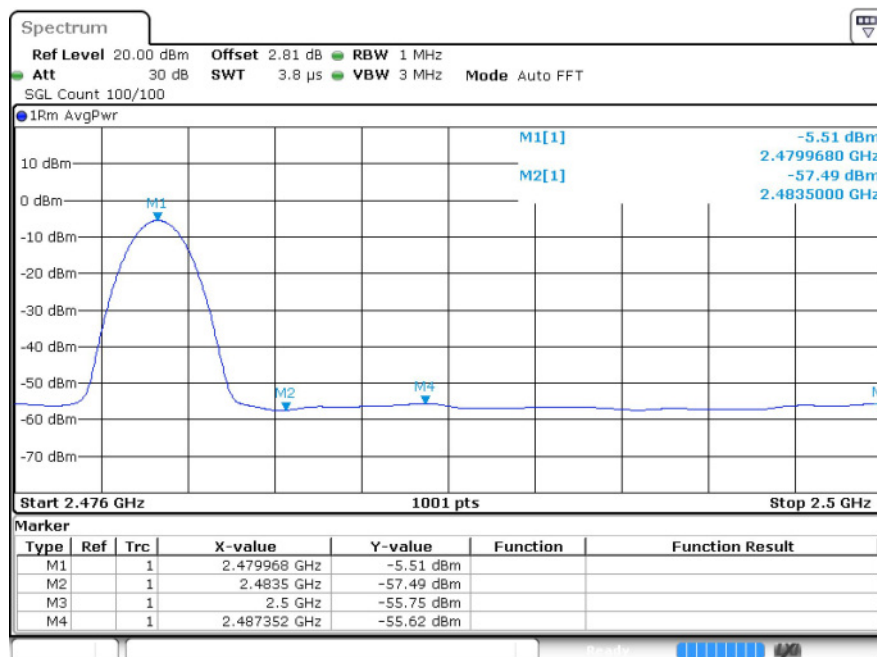
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



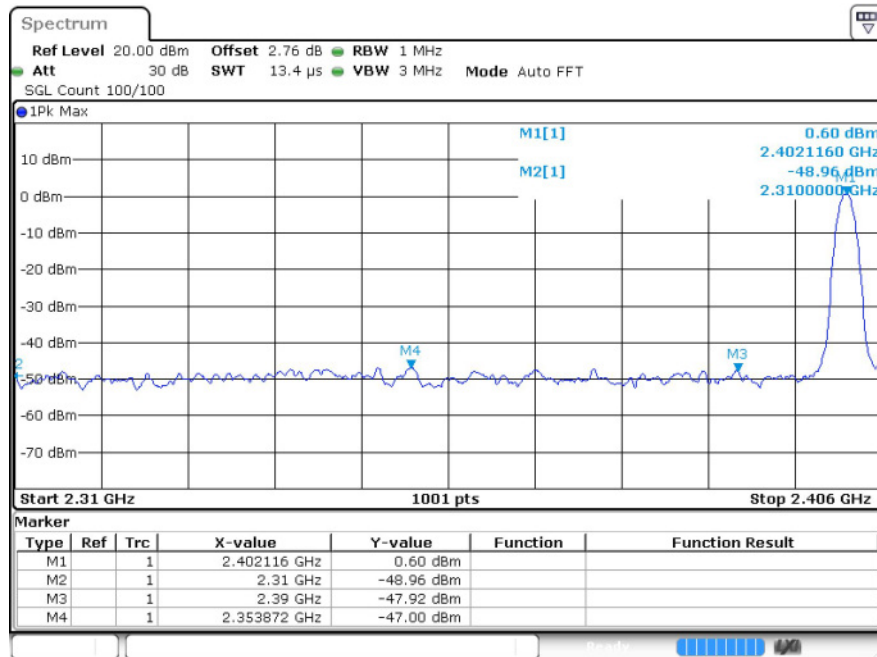
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



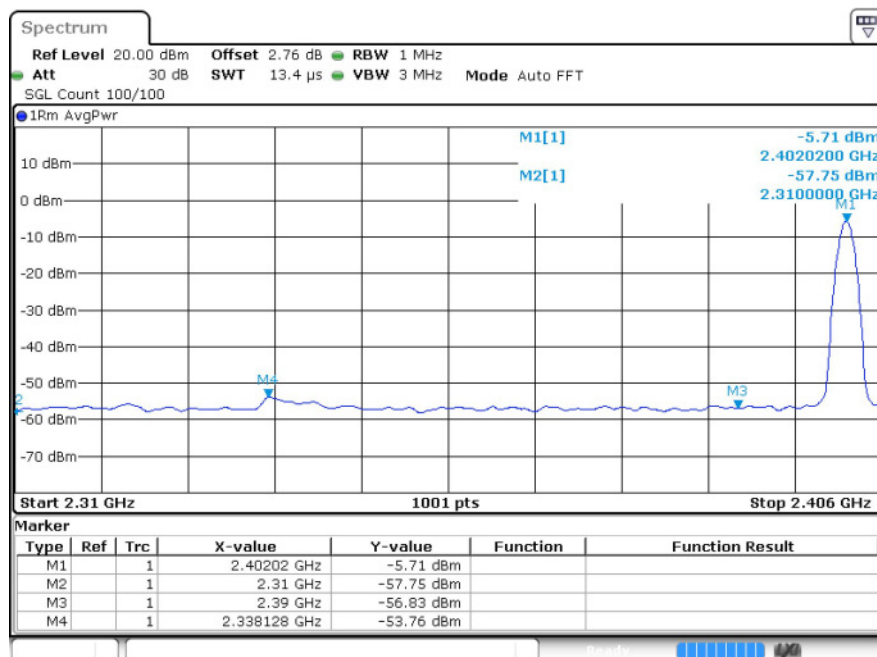
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



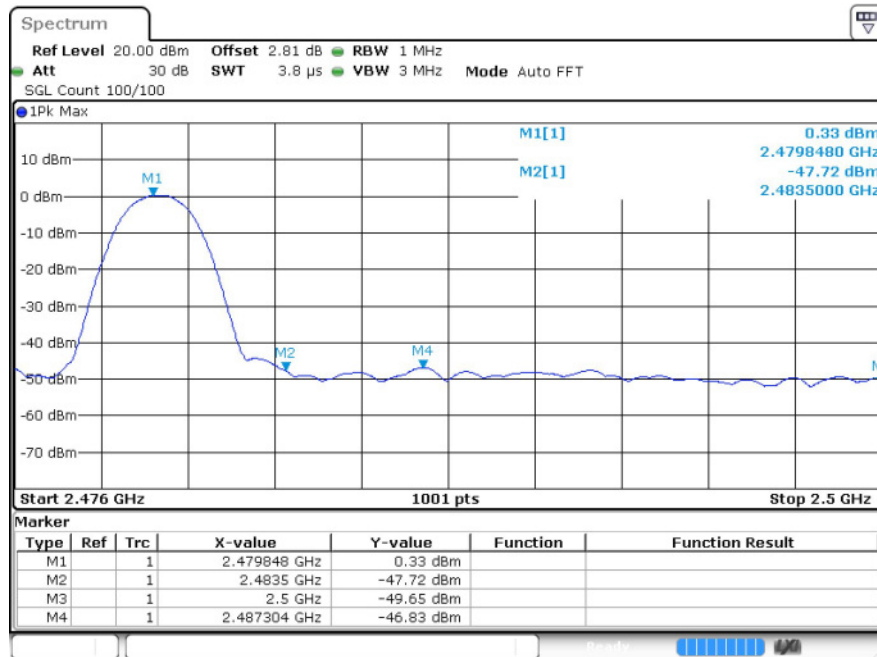
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



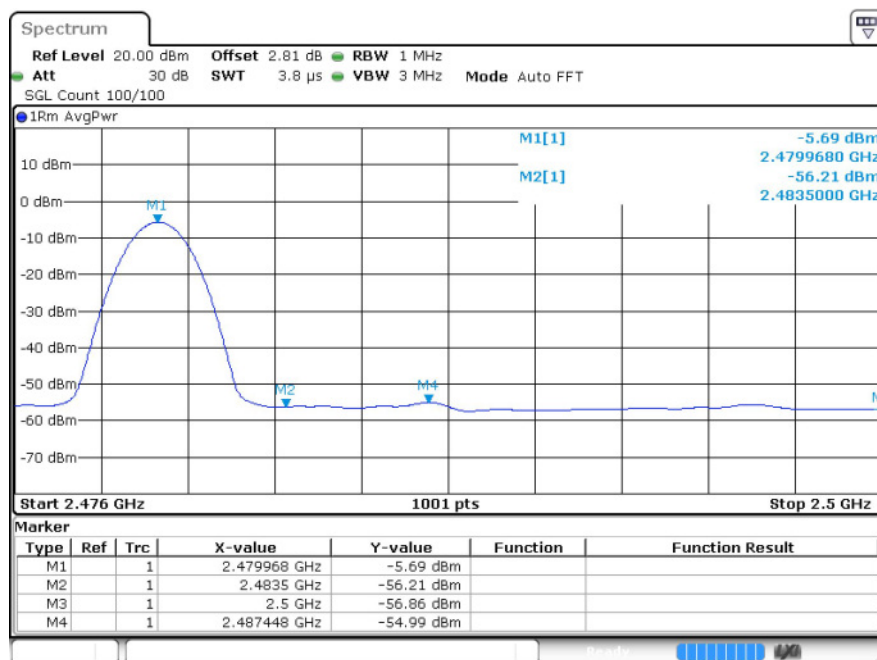
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



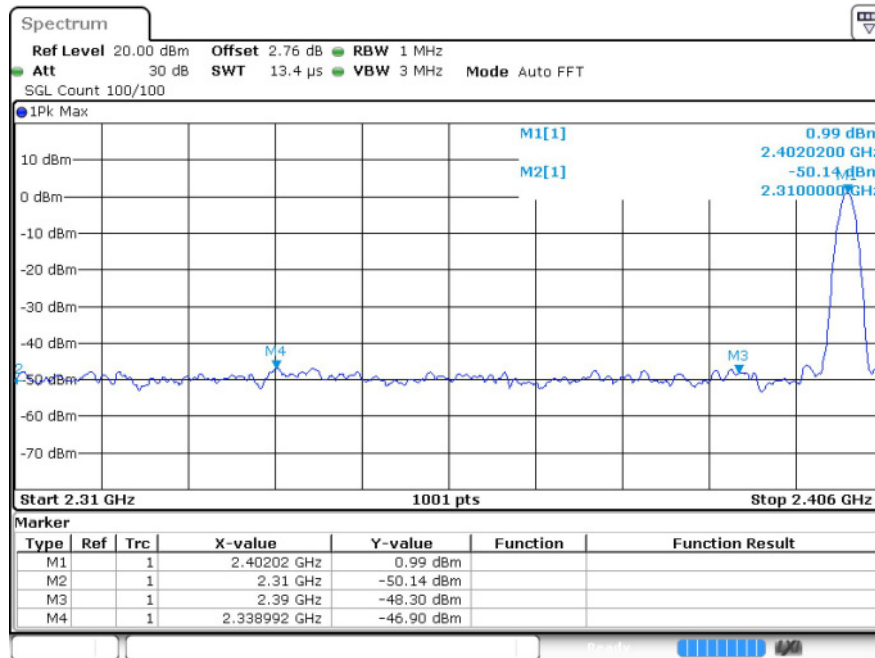
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



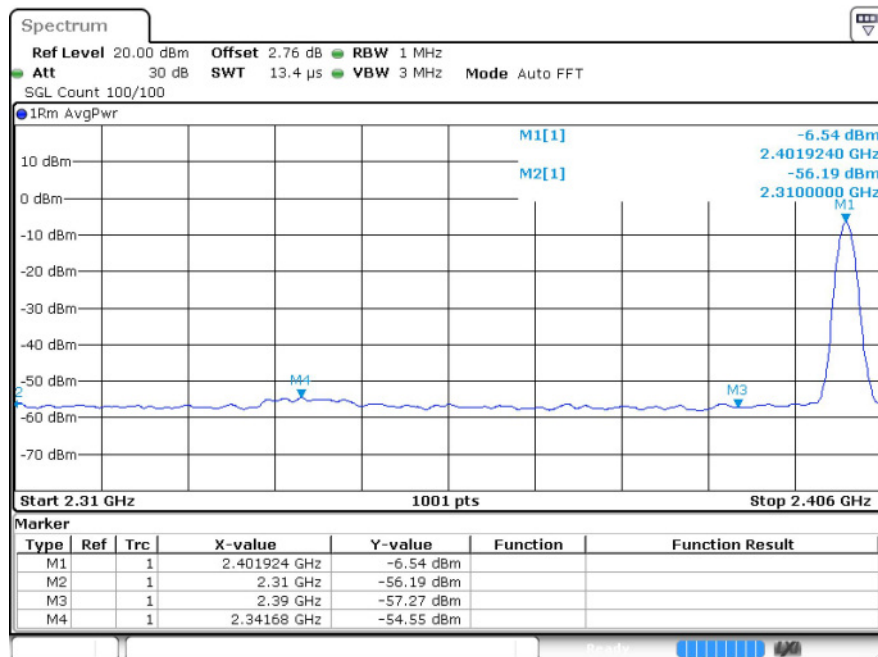
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



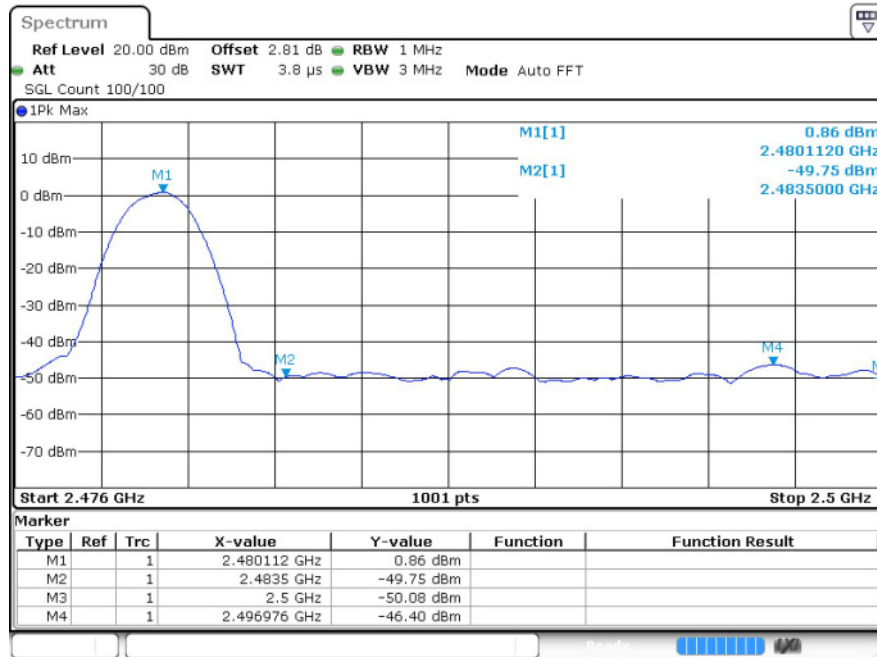
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



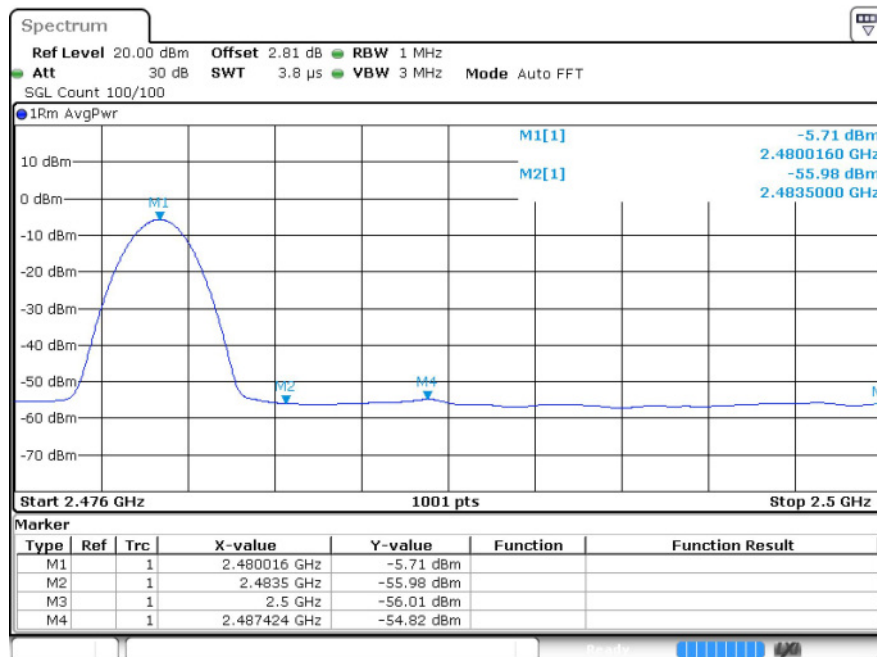
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---