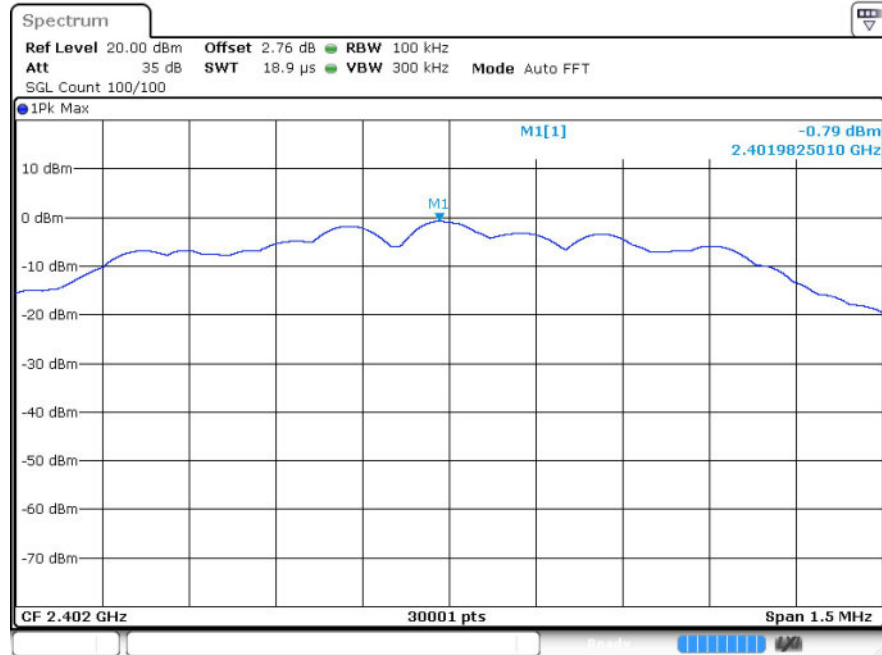
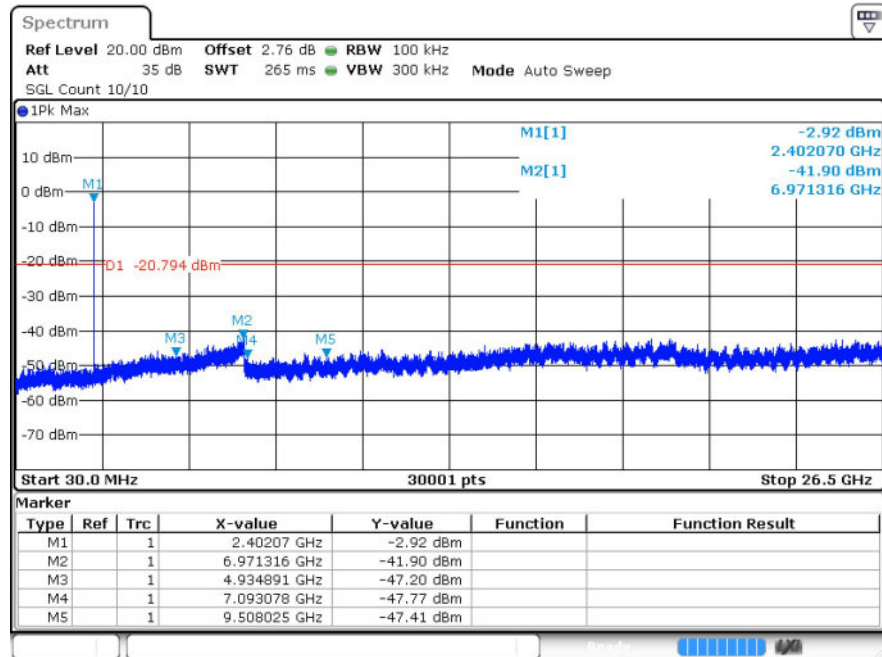


$\pi/4$ DQPSK_LCH_Graphs

Pref

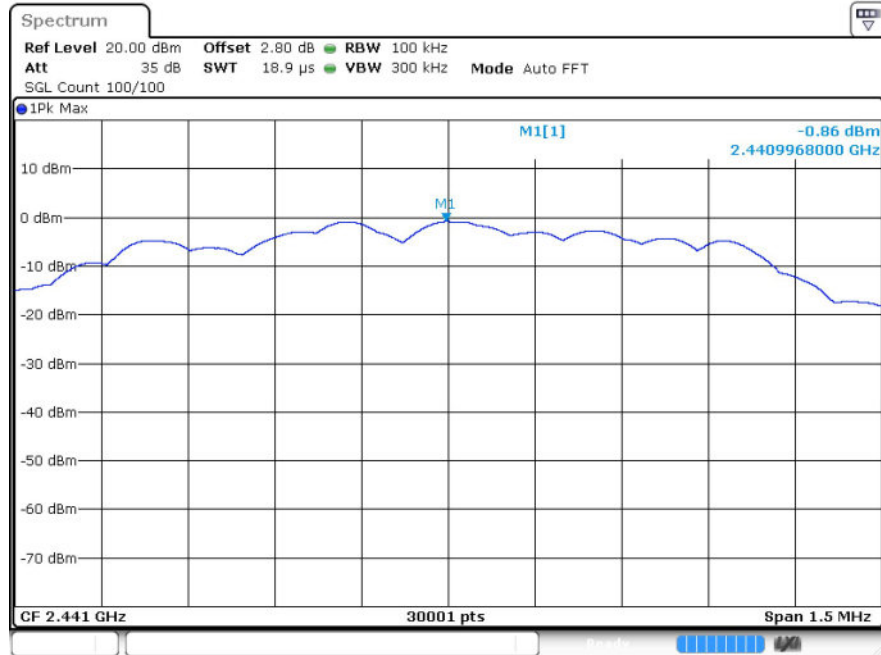


Puw

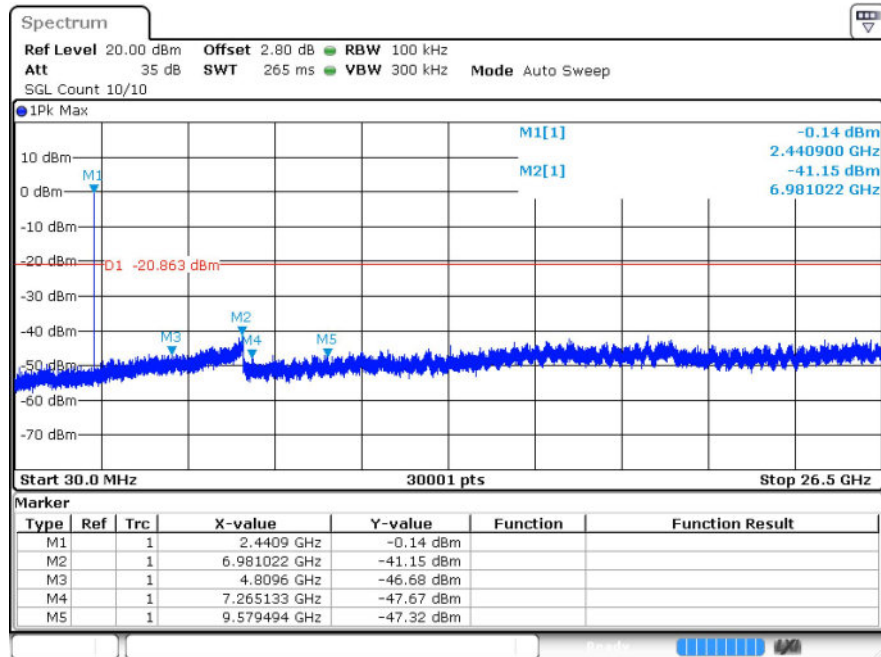


π /4DQPSK_MCH_Graphs

Pref

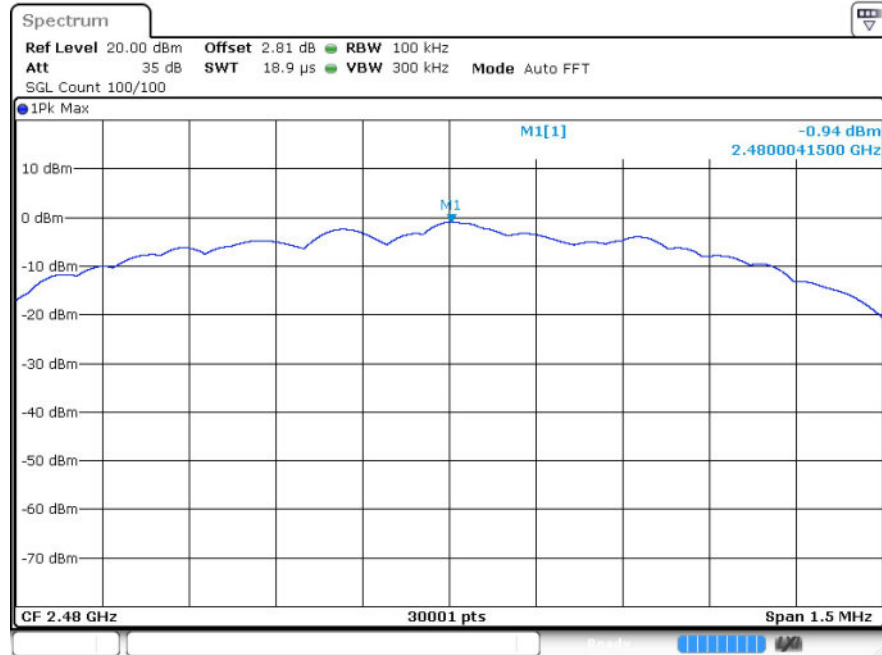


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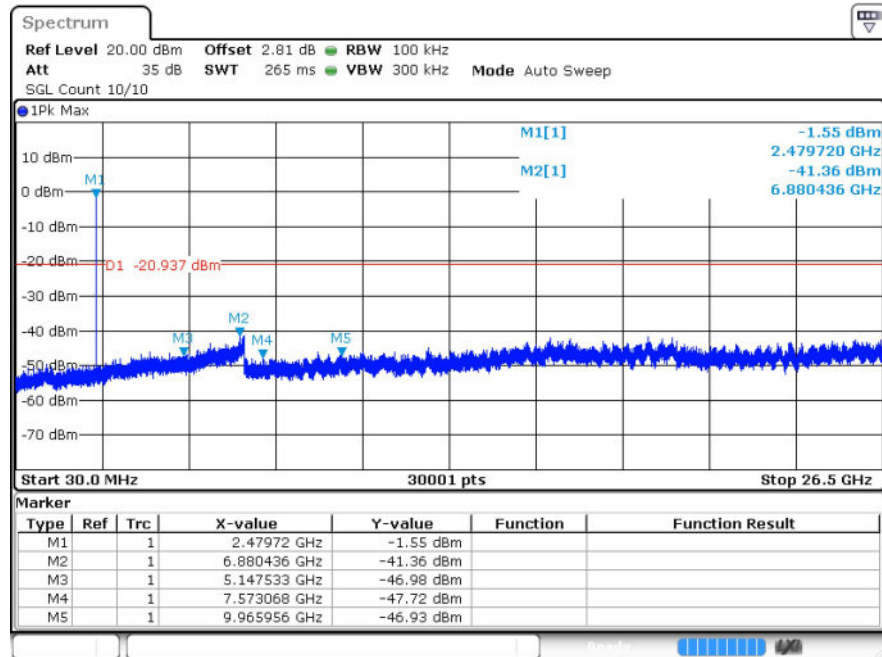


$\pi/4$ DQPSK_HCH_Graphs

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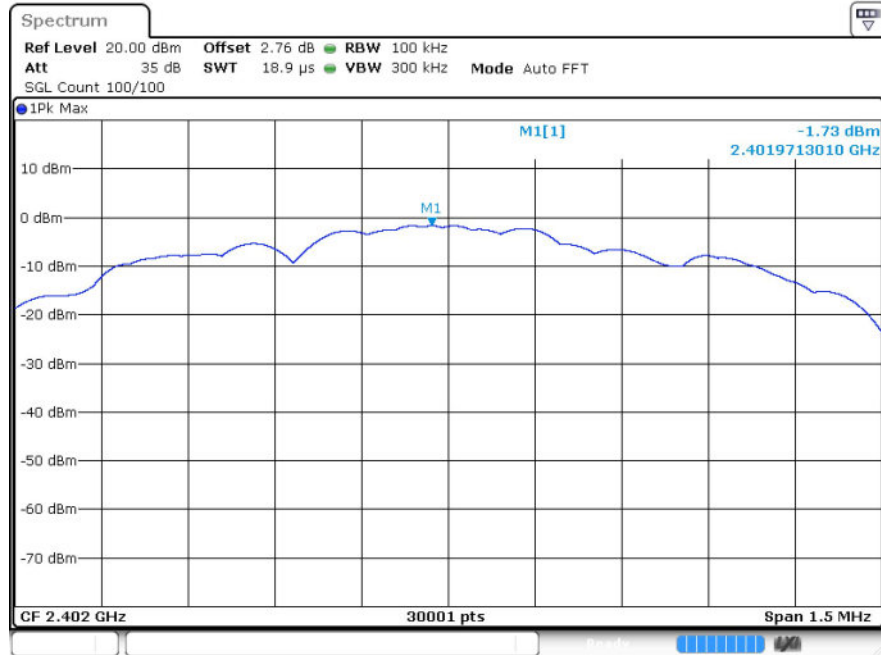


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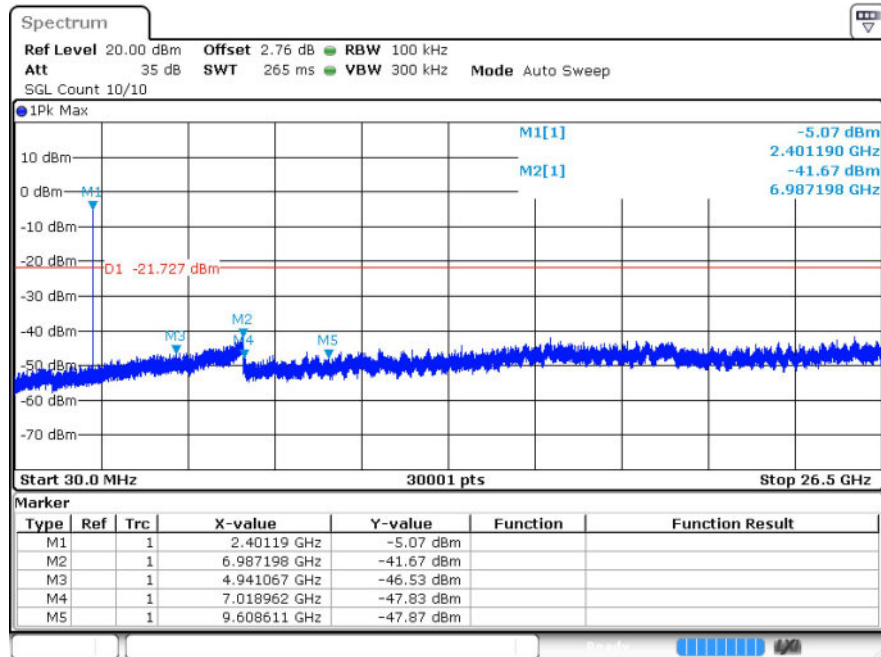


8DPSK_LCH_Graphs

Pref

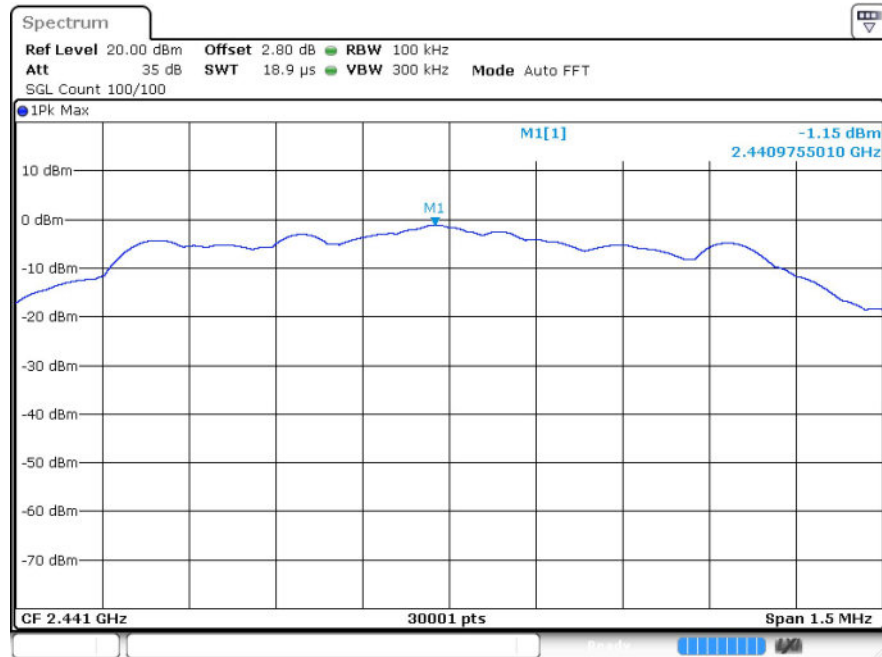


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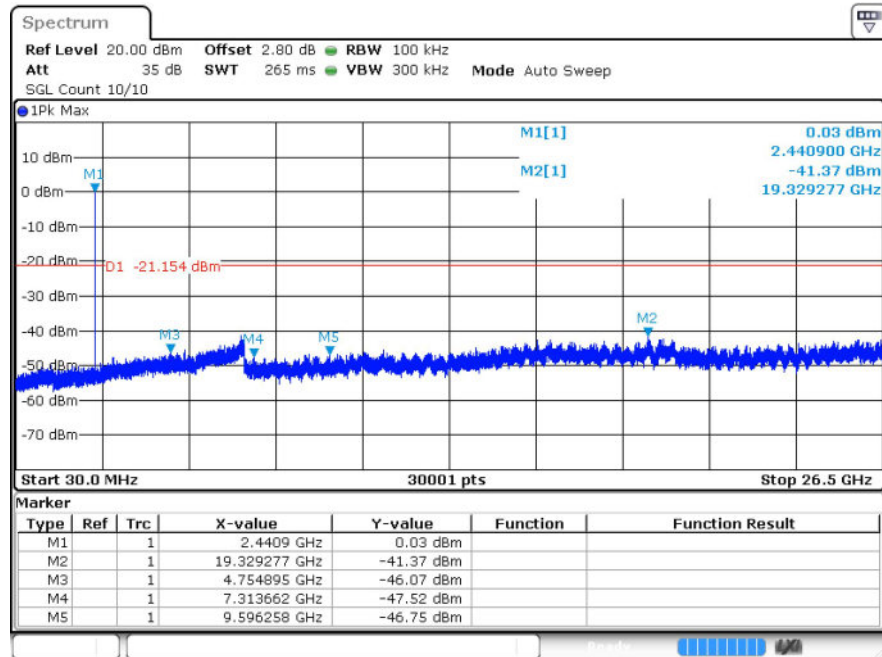


8DPSK_MCH_Graphs

Pref

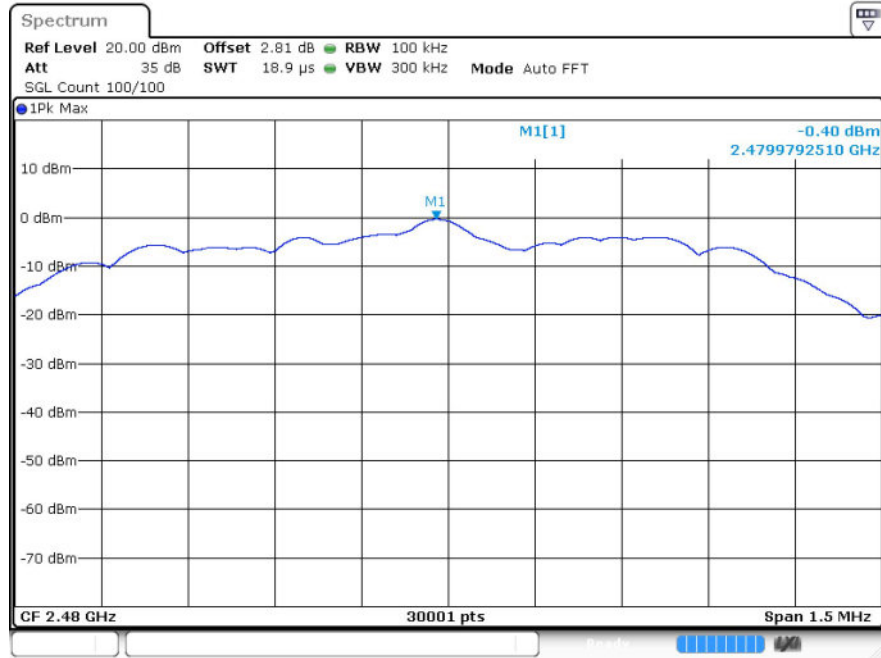


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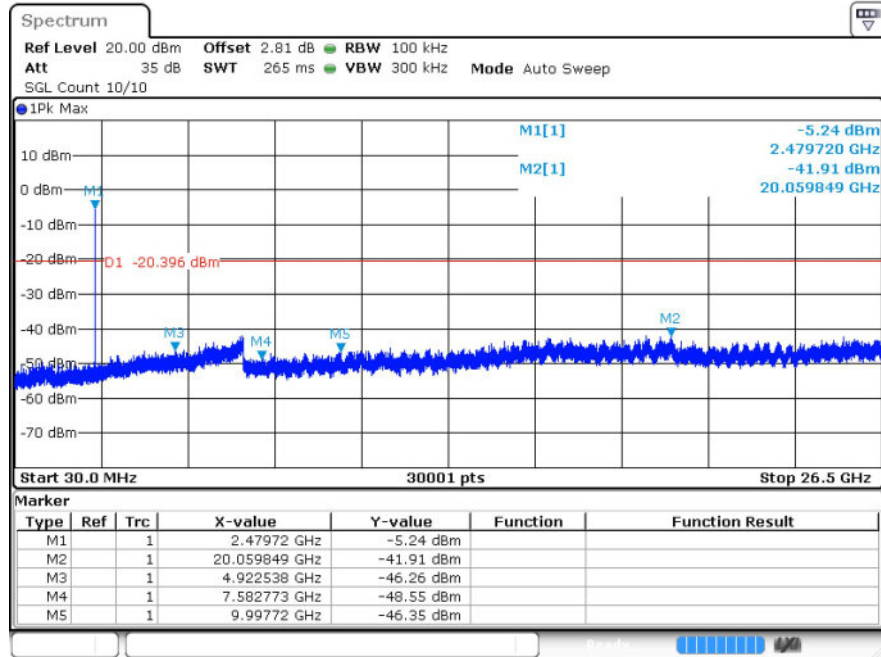


8DPSK_HCH_Graphs

Pref



Puw

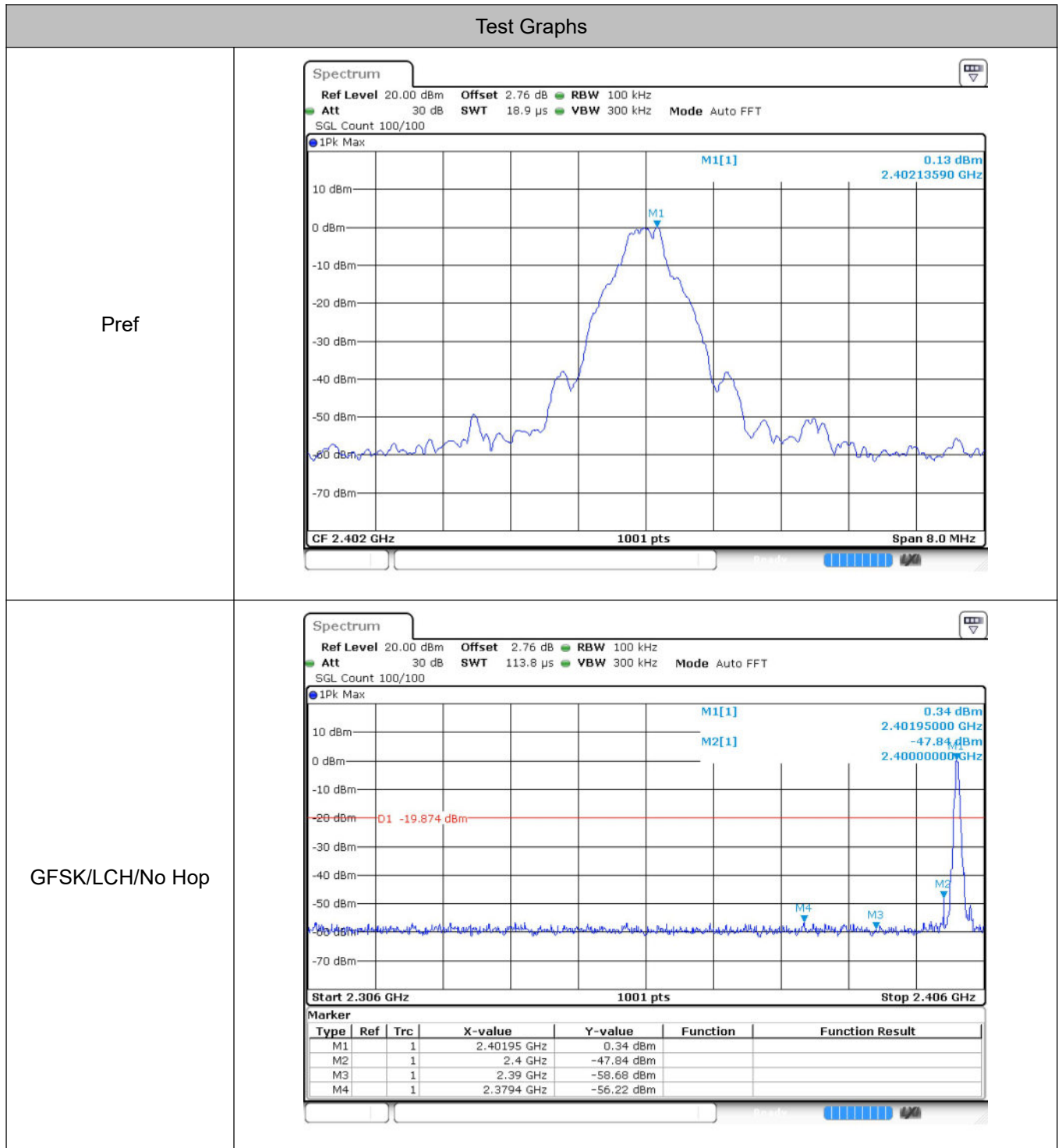


8 Band-edge for RF Conducted Emissions

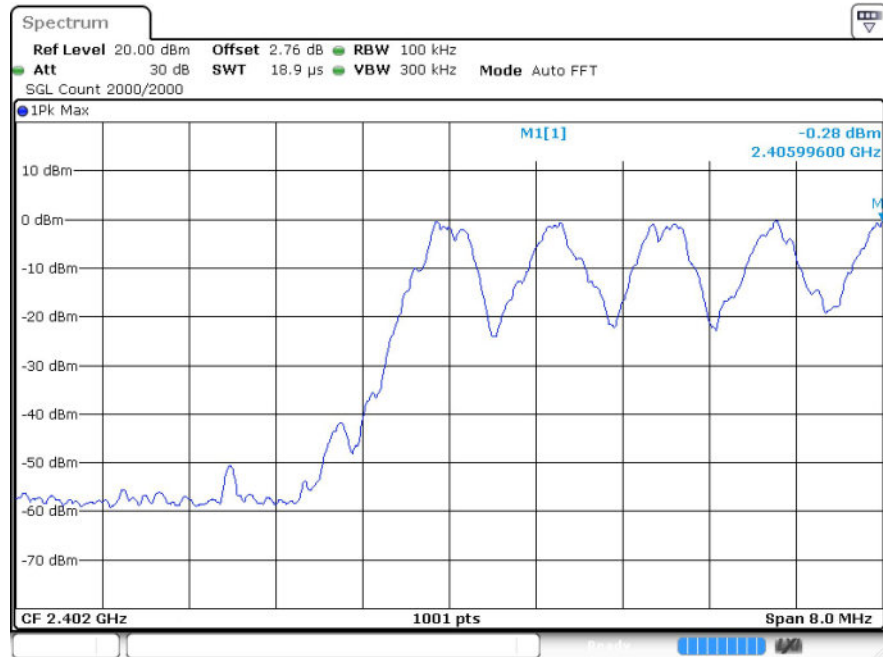
8.1 Test Result

Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-56.34	-20	Pass
			On	-54.62	-20	Pass
	HCH	2480	Off	-56.46	-20	Pass
			On	-52.19	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-54.87	-20	Pass
			On	-53.58	-20	Pass
	HCH	2480	Off	-54.14	-20	Pass
			On	-49.41	-20	Pass
8DPSK	LCH	2402	Off	-55.43	-20	Pass
			On	-53.06	-20	Pass
	HCH	2480	Off	-45.49	-20	Pass
			On	-49.13	-20	Pass

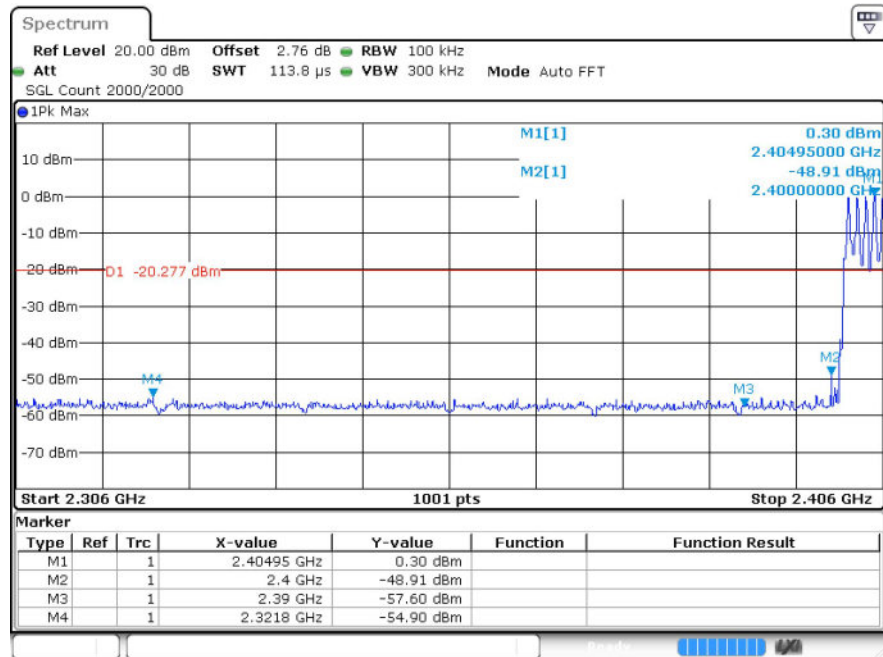
8.2 Test Graphs



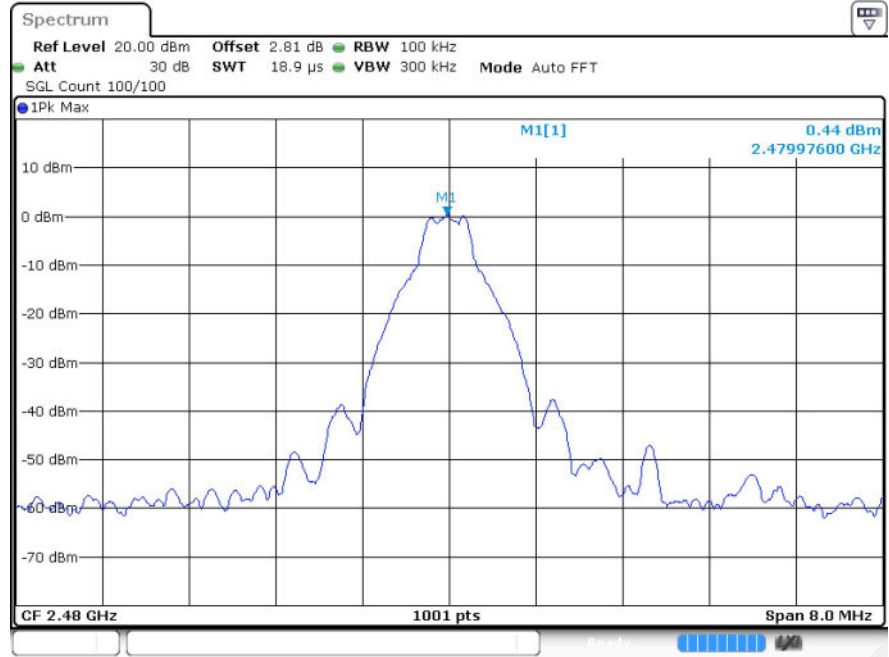
Ref



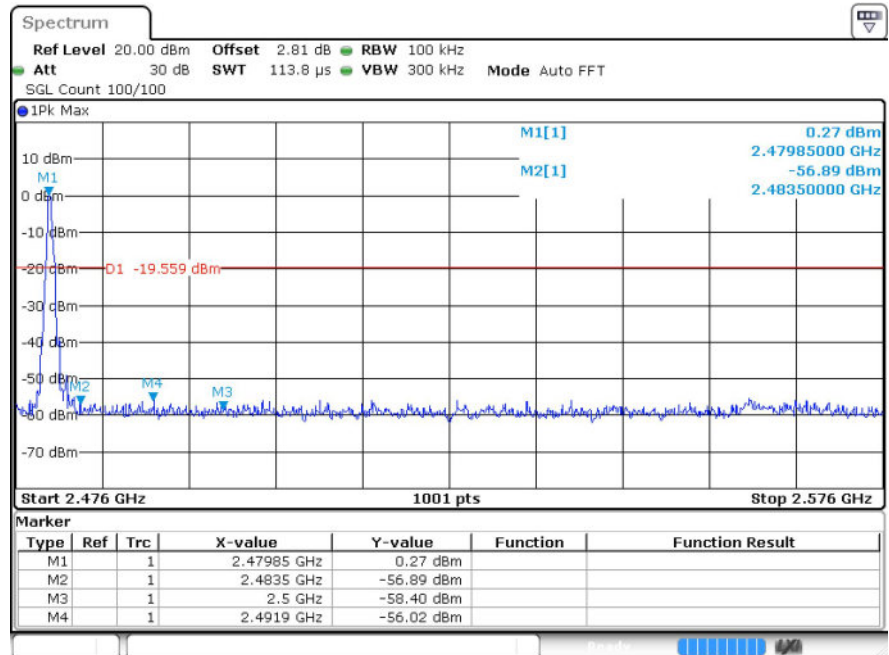
GFSK/LCH/Hop



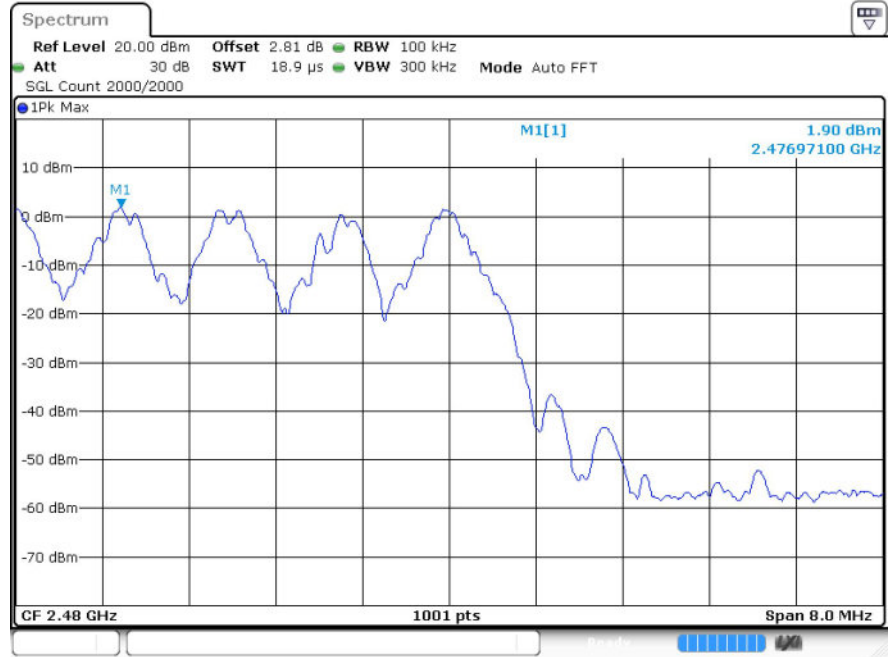
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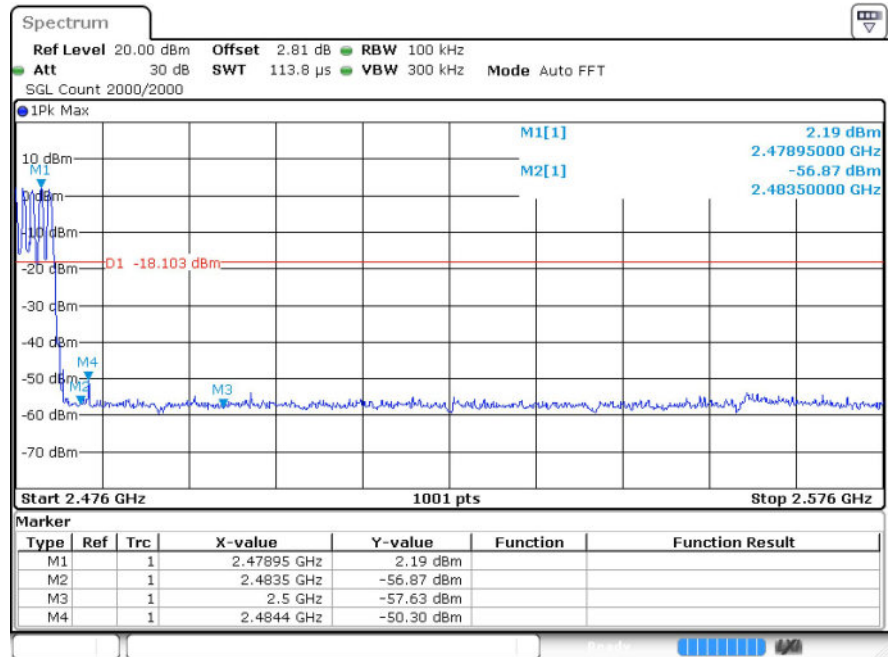
GFSK/HCH/No Hop



Ref.



GFSK/HCH/Hop



Ref

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
SQL Count 100/100

1Pk Max

M1[1] -0.97 dBm
2.40199200 GHz

M1

CF 2.402 GHz 1001 pts Span 8.0 MHz

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

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
SQL Count 100/100

1Pk Max

M1[1] -0.73 dBm
2.40195000 GHz
M2[1] -52.85 dBm
2.40000000 GHz

D1 -20.974 dBm

M3

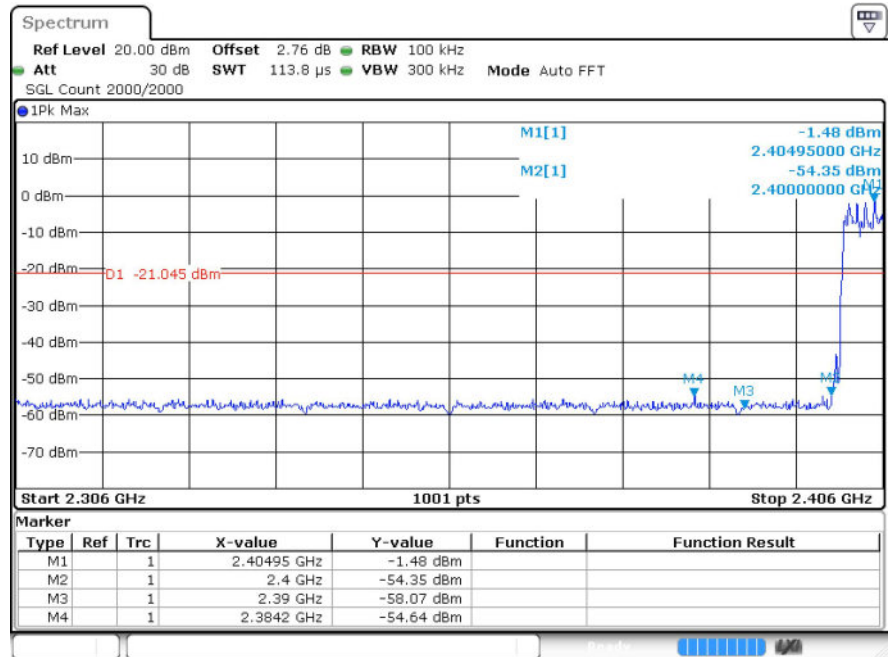
M4

Start 2.306 GHz 1001 pts Stop 2.406 GHz

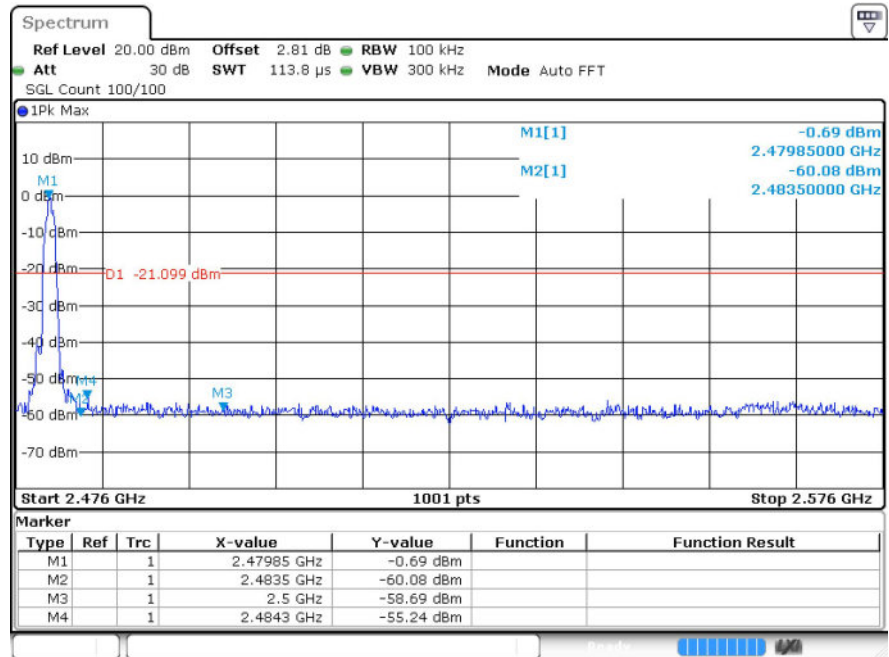
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40195 GHz	-0.73 dBm		
M2		1	2.4 GHz	-52.85 dBm		
M3		1	2.39 GHz	-58.52 dBm		
M4		1	2.3311 GHz	-55.84 dBm		

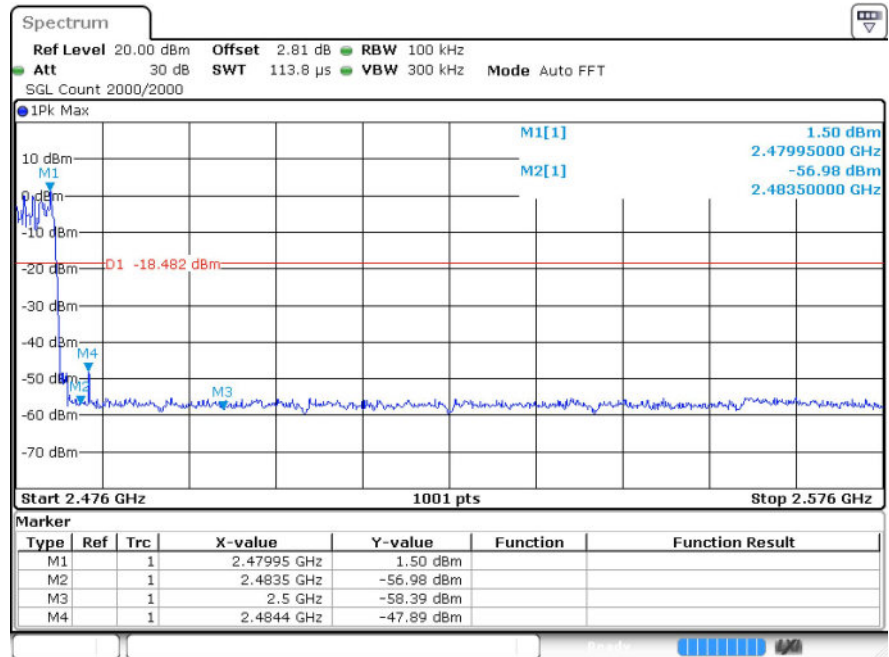
Ref


 $\pi/4$ DQPSK/LCH/Hop


Ref


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


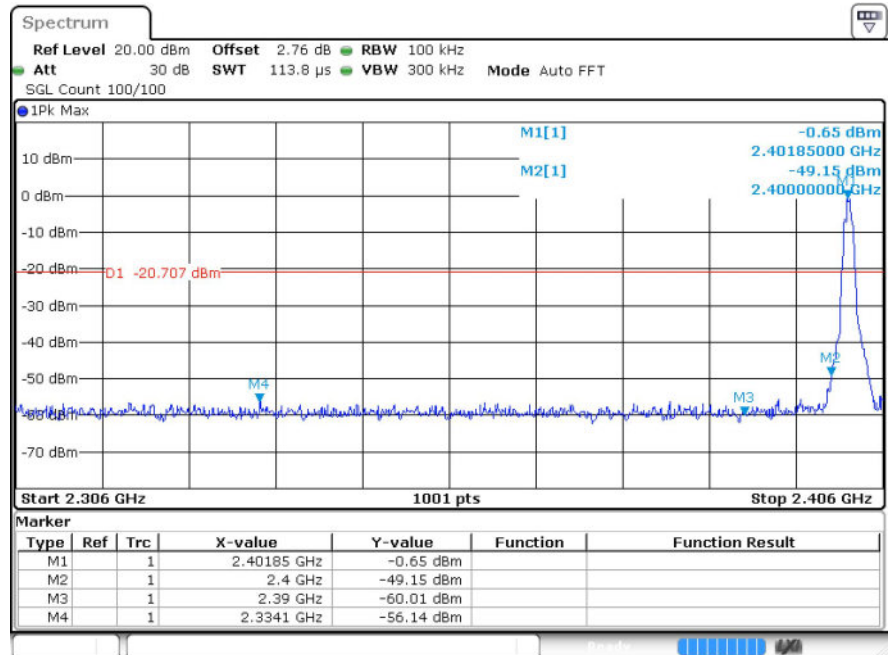
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 $\pi/4$ DQPSK/HCH/Hop


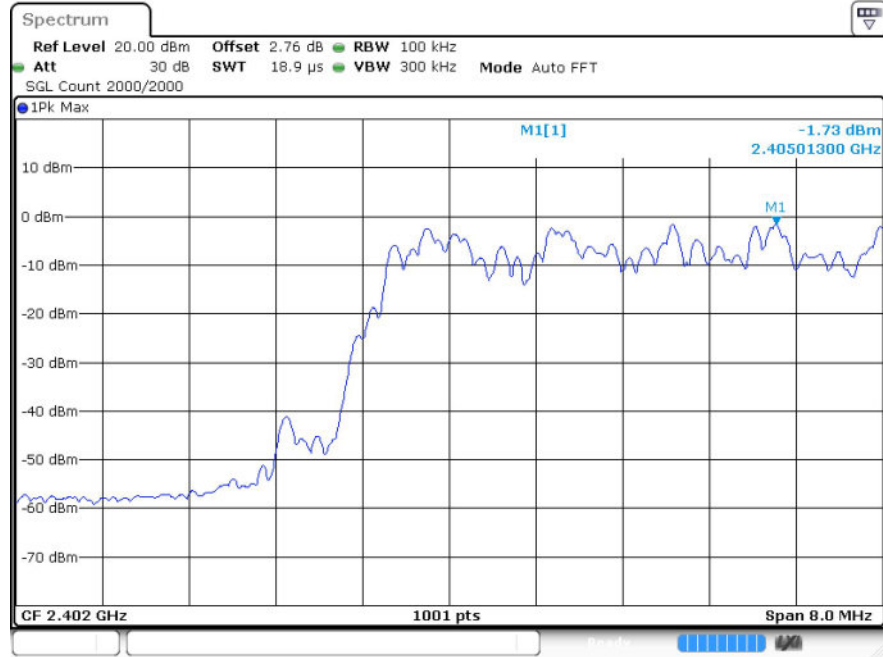
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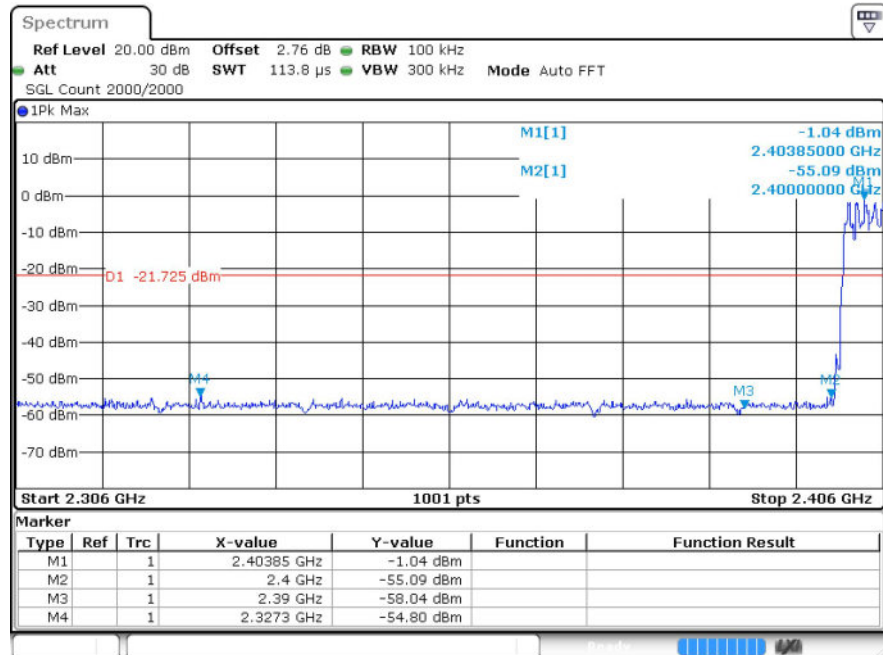
8DPSK/LCH/No Hop



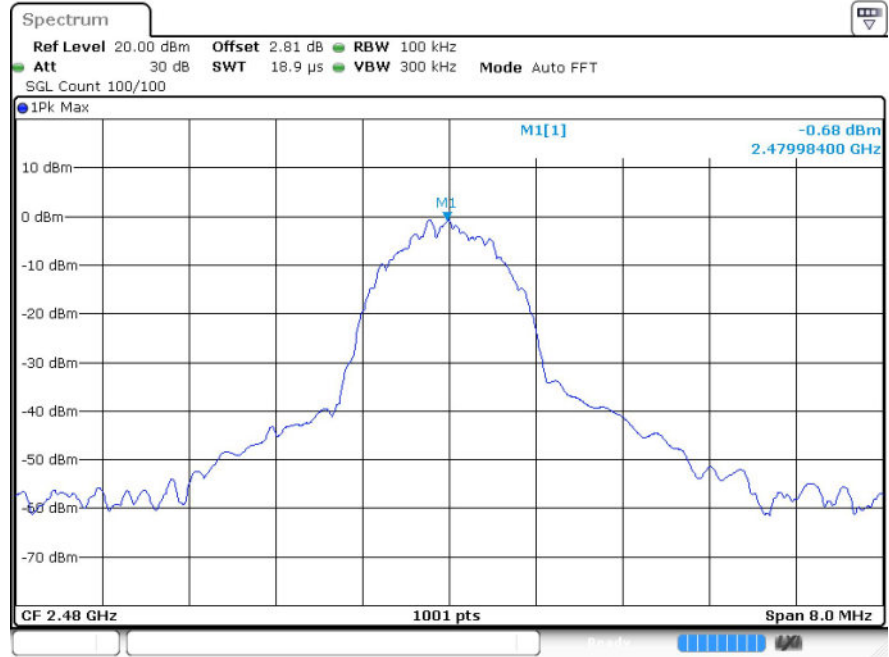
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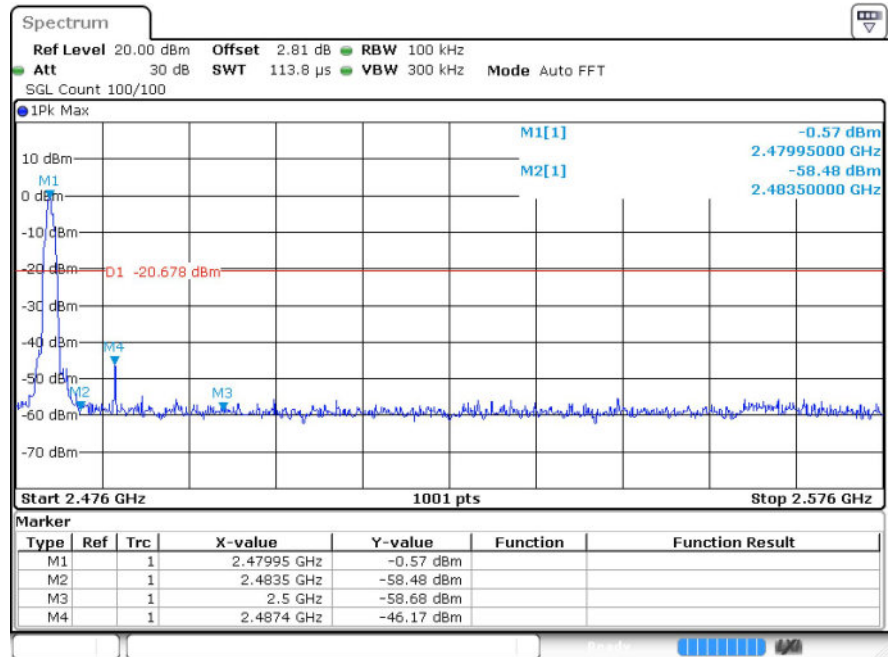
8DPSK/LCH/Hop



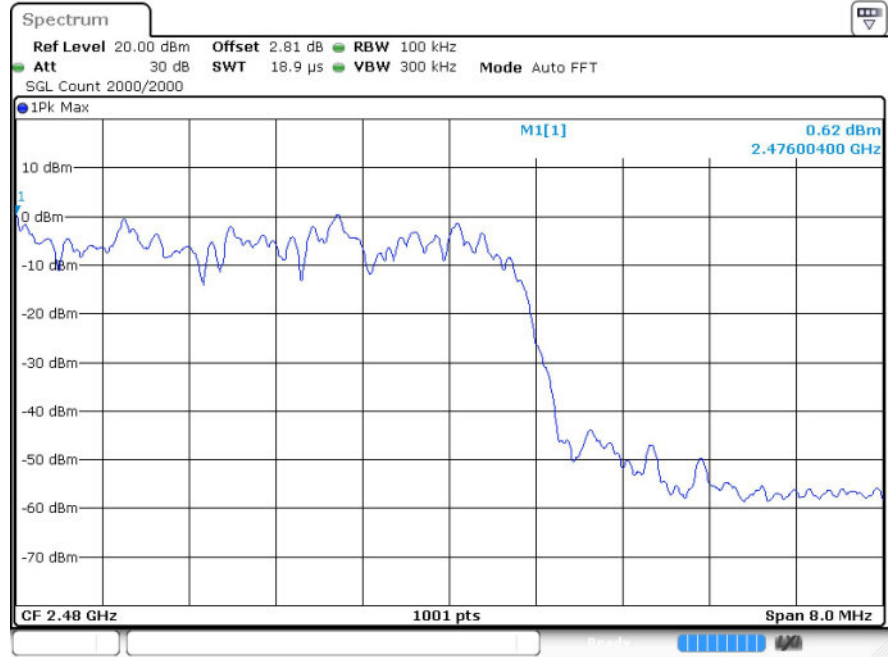
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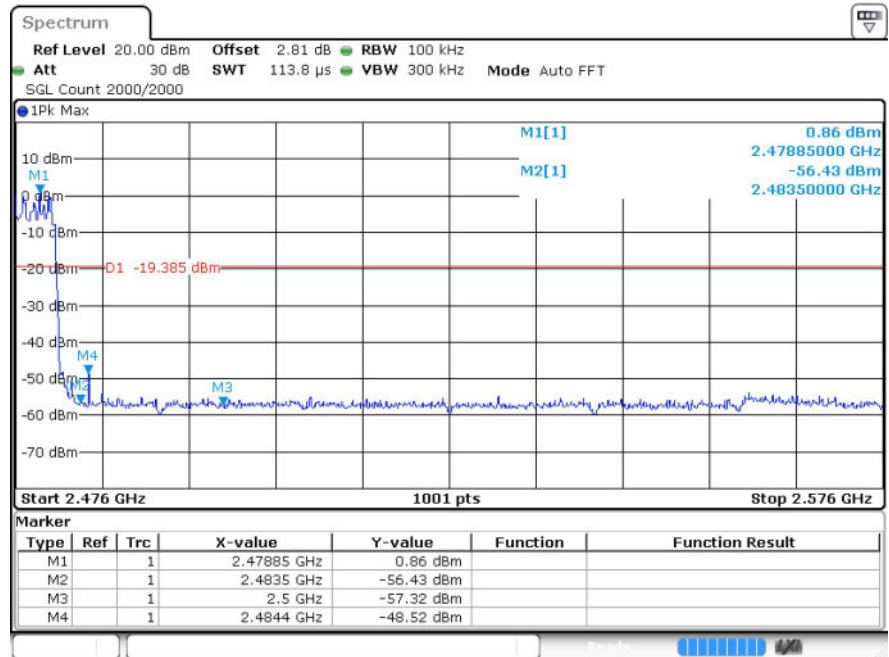
8DPSK/HCH/No Hop



Ref



8DPSK/HCH/Hop



9 Restrict-band band-edge measurements

9.1 Test Result

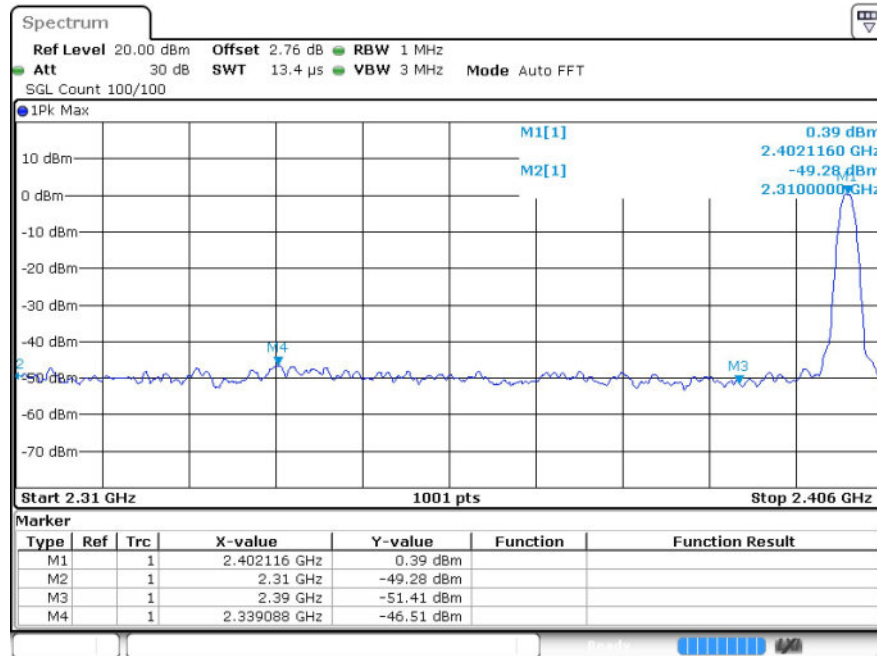
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Duty Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-49.28	2.5	-	48.45	PEAK	74	Pass
	Off	2310.0	-56.34	2.5	5.06	46.45	AV	54	Pass
	Off	2339.088	-46.51	2.5	-	51.22	PEAK	74	Pass
	Off	2341.584	-54.64	2.5	5.06	48.15	AV	54	Pass
	Off	2390.0	-51.41	2.5	-	46.32	PEAK	74	Pass
	Off	2390.0	-56.38	2.5	5.06	46.41	AV	54	Pass
	Off	2483.5	-49.01	2.5	-	48.72	PEAK	74	Pass
	Off	2483.5	-56.88	2.5	4.95	45.80	AV	54	Pass
	Off	2498.32	-47.21	2.5	-	50.52	PEAK	74	Pass
	Off	2487.304	-54.83	2.5	4.95	47.85	AV	54	Pass
	Off	2500.0	-50.68	2.5	-	47.05	PEAK	74	Pass
	Off	2500.0	-56.8	2.5	4.95	45.88	AV	54	Pass
$\pi/4$ DQPSK	Off	2310.0	-47.27	2.5	-	50.46	PEAK	74	Pass
	Off	2310.0	-56.92	2.5	4.95	45.76	AV	54	Pass
	Off	2344.656	-46.33	2.5	-	51.40	PEAK	74	Pass
	Off	2338.512	-54.69	2.5	4.95	47.99	AV	54	Pass
	Off	2390.0	-49.13	2.5	-	48.60	PEAK	74	Pass
	Off	2390.0	-56.91	2.5	4.95	45.77	AV	54	Pass
	Off	2483.5	-47.61	2.5	-	50.12	PEAK	74	Pass
	Off	2483.5	-56.16	2.5	4.95	46.52	AV	54	Pass
	Off	2492.728	-46.37	2.5	-	51.36	PEAK	74	Pass
	Off	2486.128	-55.27	2.5	4.95	47.41	AV	54	Pass
	Off	2500.0	-50.4	2.5	-	47.33	PEAK	74	Pass
	Off	2500.0	-56.7	2.5	4.95	45.98	AV	54	Pass
8DPSK	Off	2310.0	-49.71	2.5	-	48.02	PEAK	74	Pass
	Off	2310.0	-56.67	2.5	4.95	46.01	AV	54	Pass
	Off	2338.128	-46.44	2.5	-	51.29	PEAK	74	Pass
	Off	2340.528	-54.5	2.5	4.95	48.18	AV	54	Pass



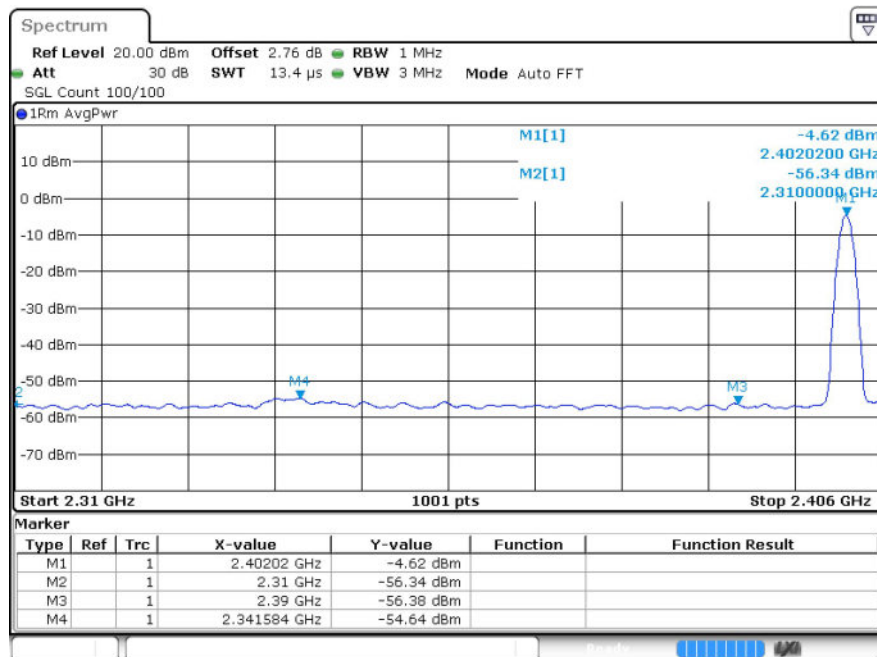
Off	2390.0	-50.09	2.5	-	47.64	PEAK	74	Pass
Off	2390.0	-57.33	2.5	4.95	45.35	AV	54	Pass
Off	2483.5	-45.65	2.5	-	52.08	PEAK	74	Pass
Off	2483.5	-55.74	2.5	4.95	46.94	AV	54	Pass
Off	2483.512	-46.32	2.5	-	51.41	PEAK	74	Pass
Off	2498.272	-55.49	2.5	4.95	47.19	AV	54	Pass
Off	2500.0	-50.22	2.5	-	47.51	PEAK	74	Pass
Off	2500.0	-56.18	2.5	4.95	46.50	AV	54	Pass

9.2 Test Graphs

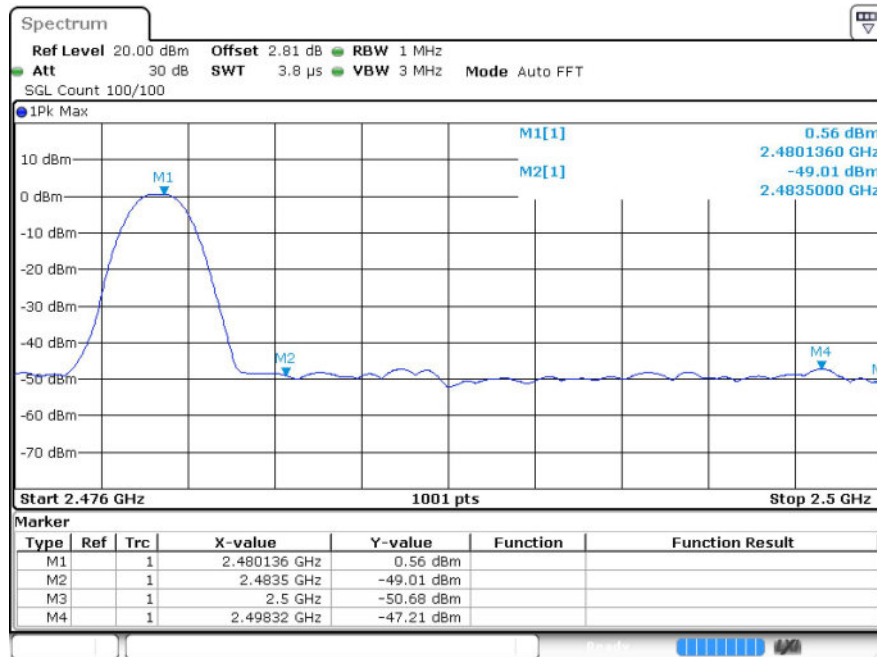
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



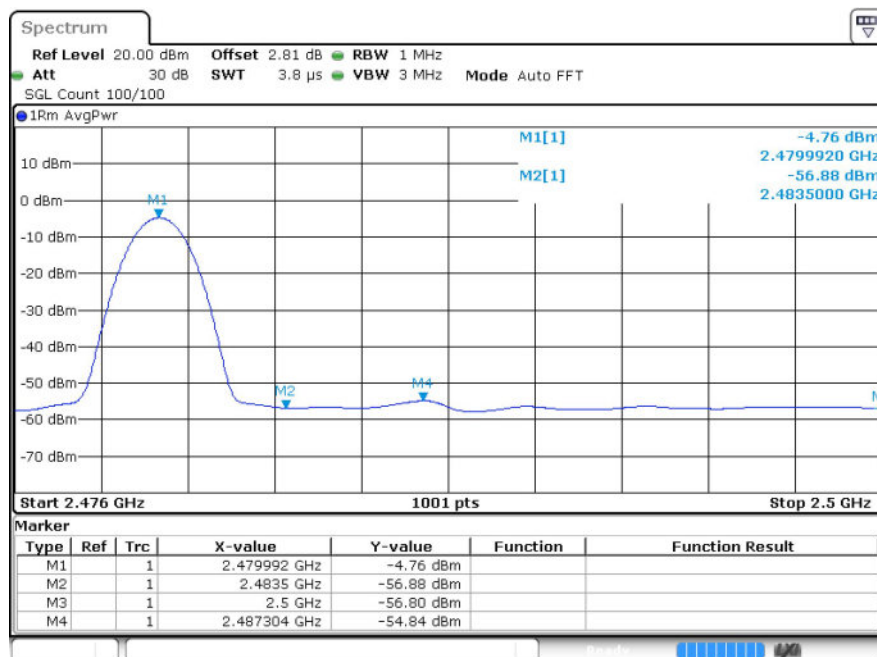
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



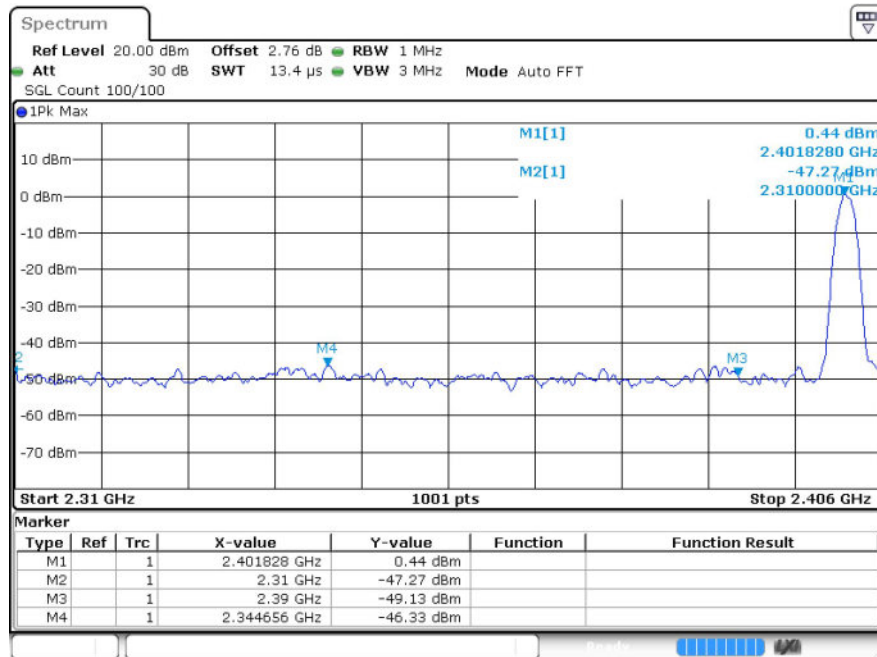
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



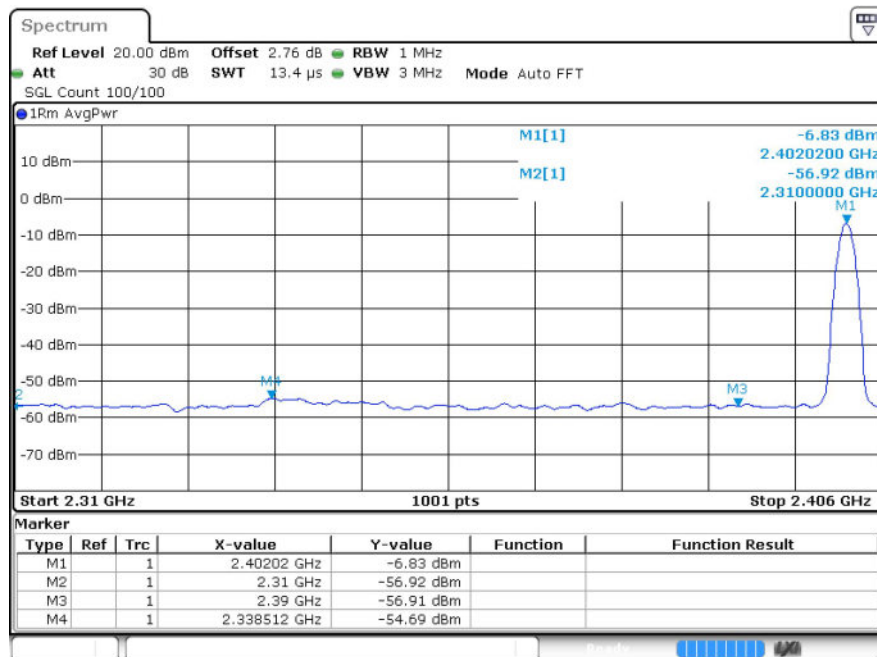
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



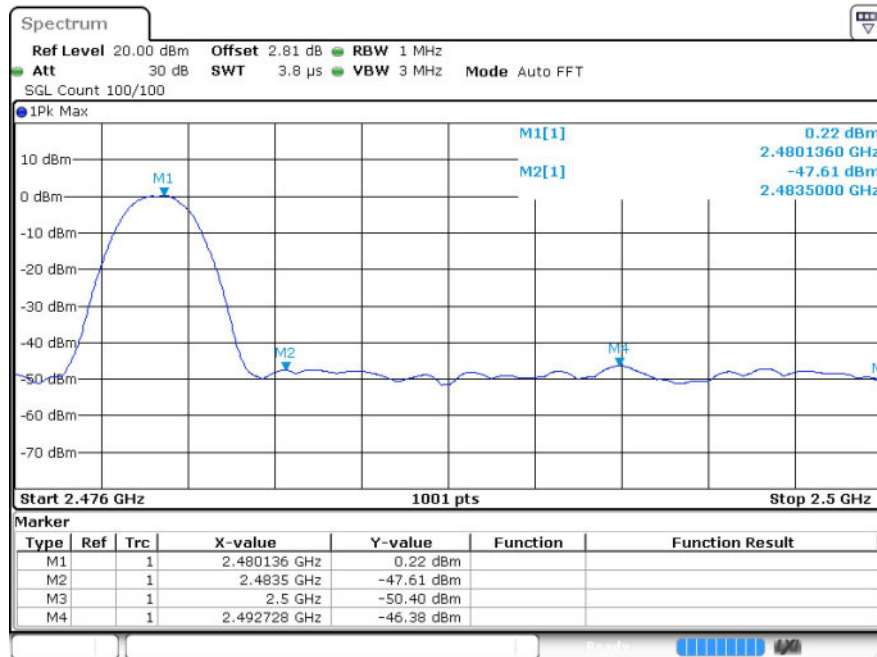
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



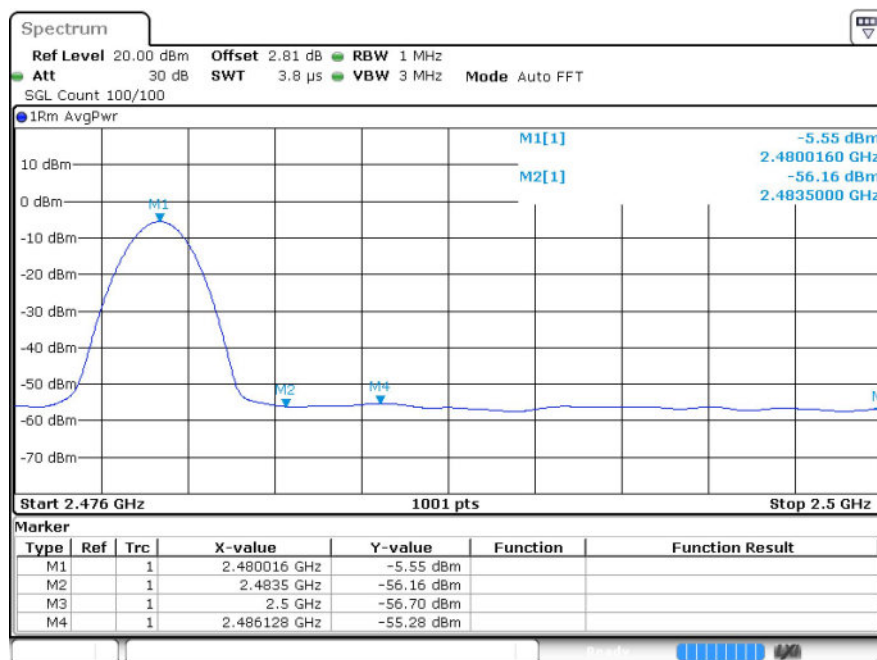
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



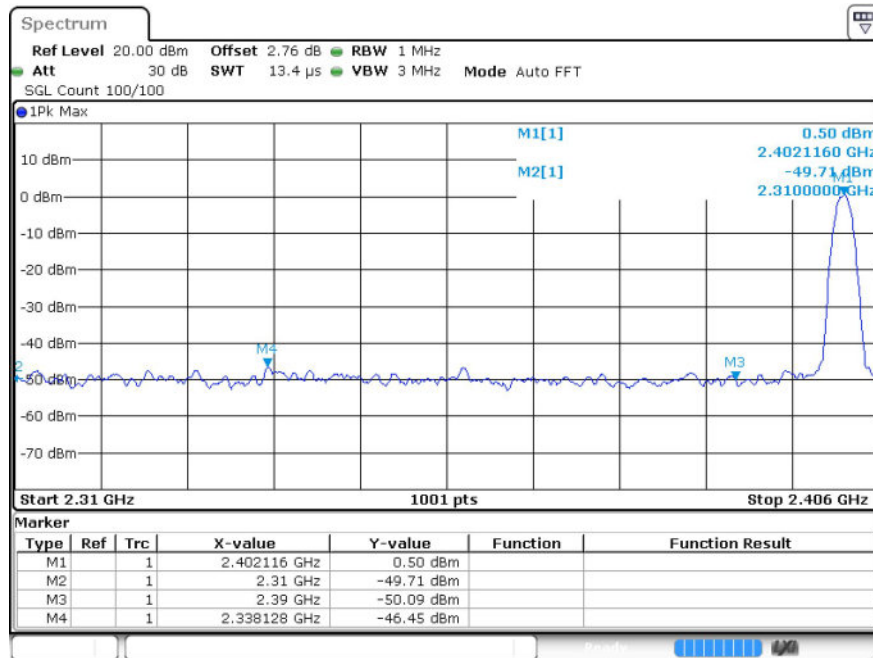
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



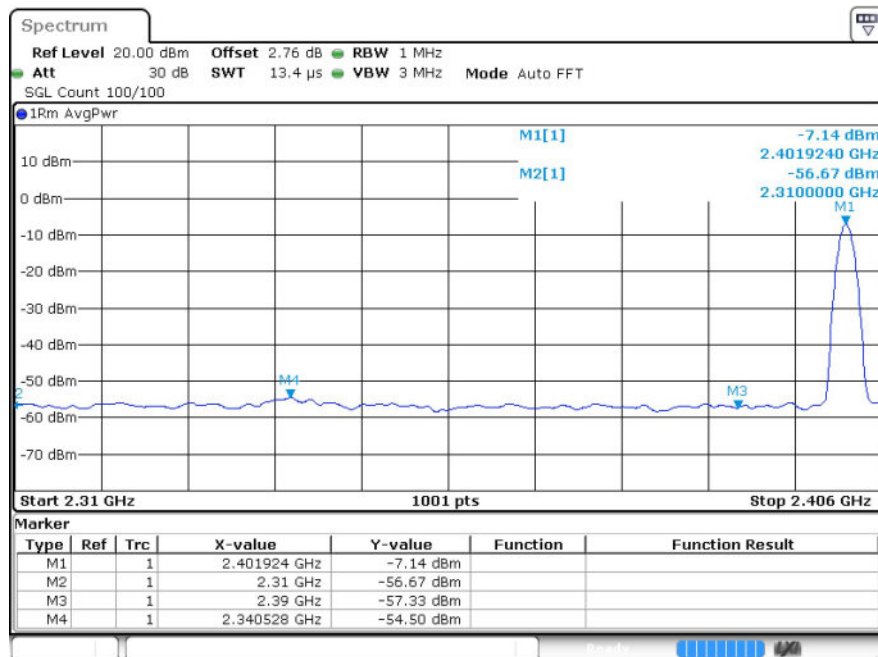
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



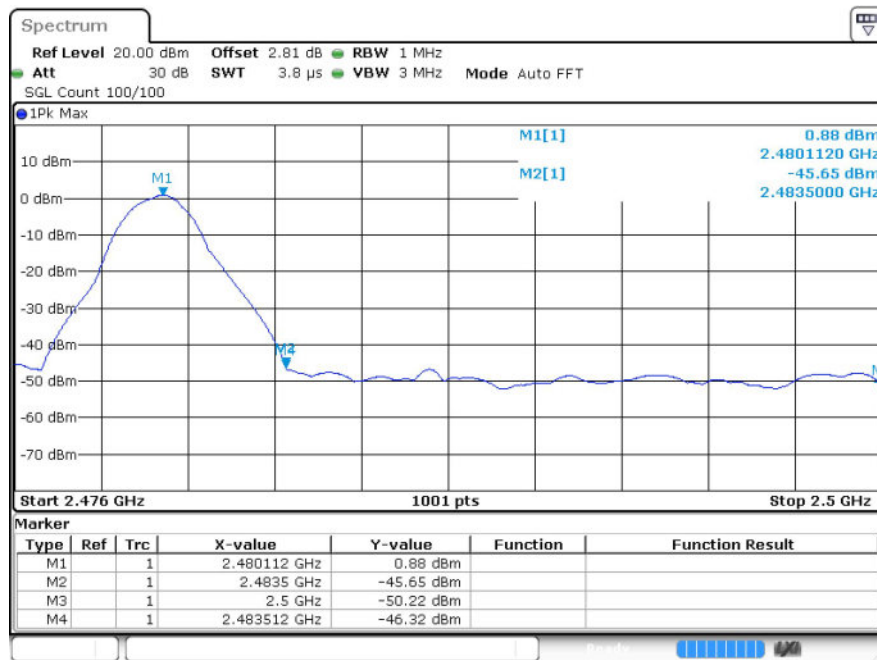
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



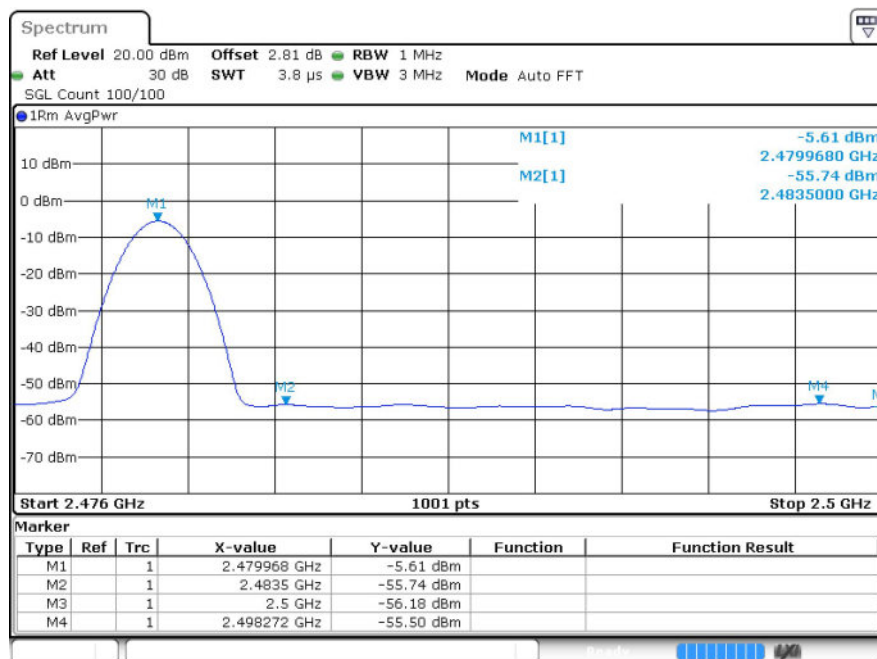
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---