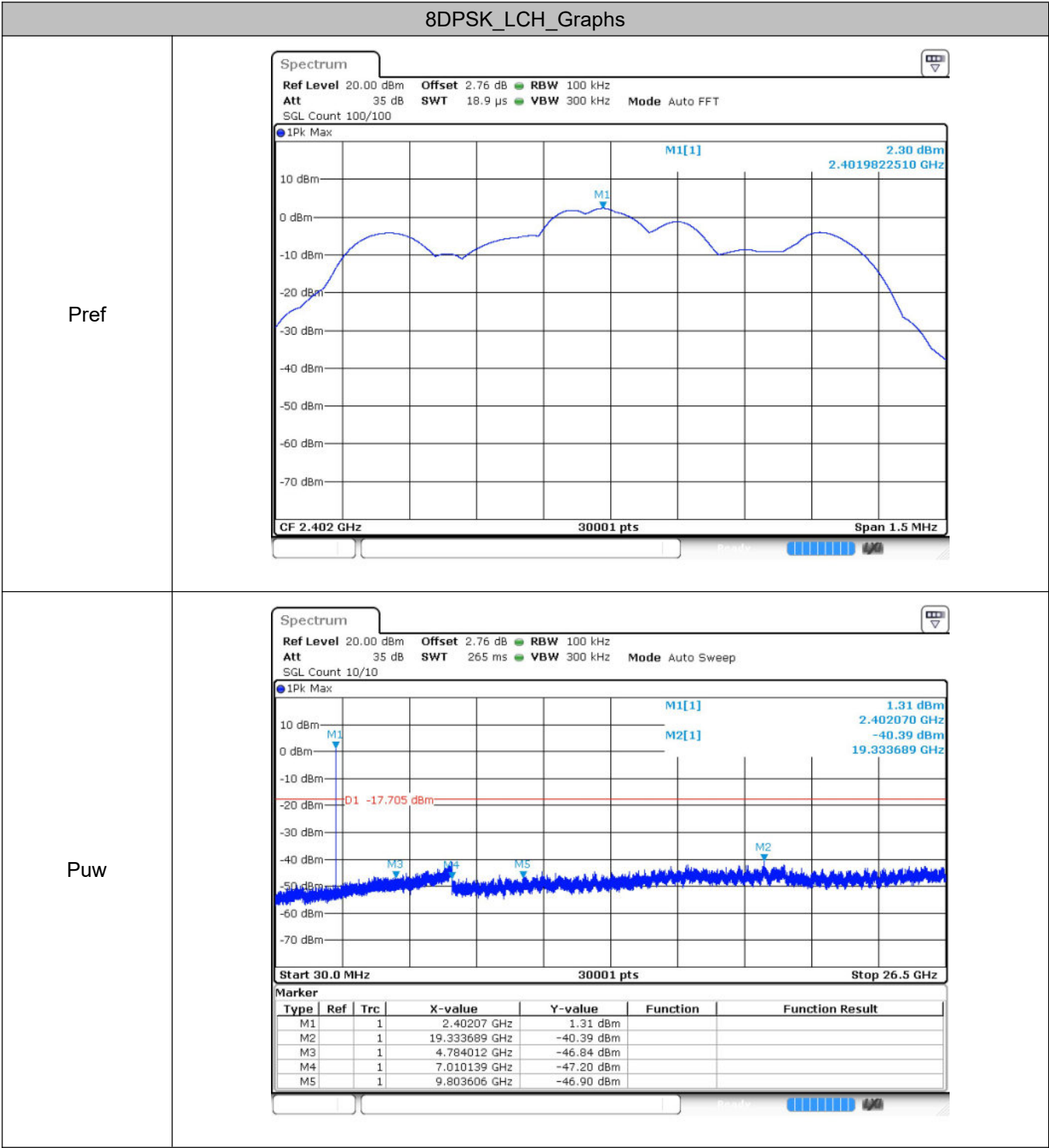
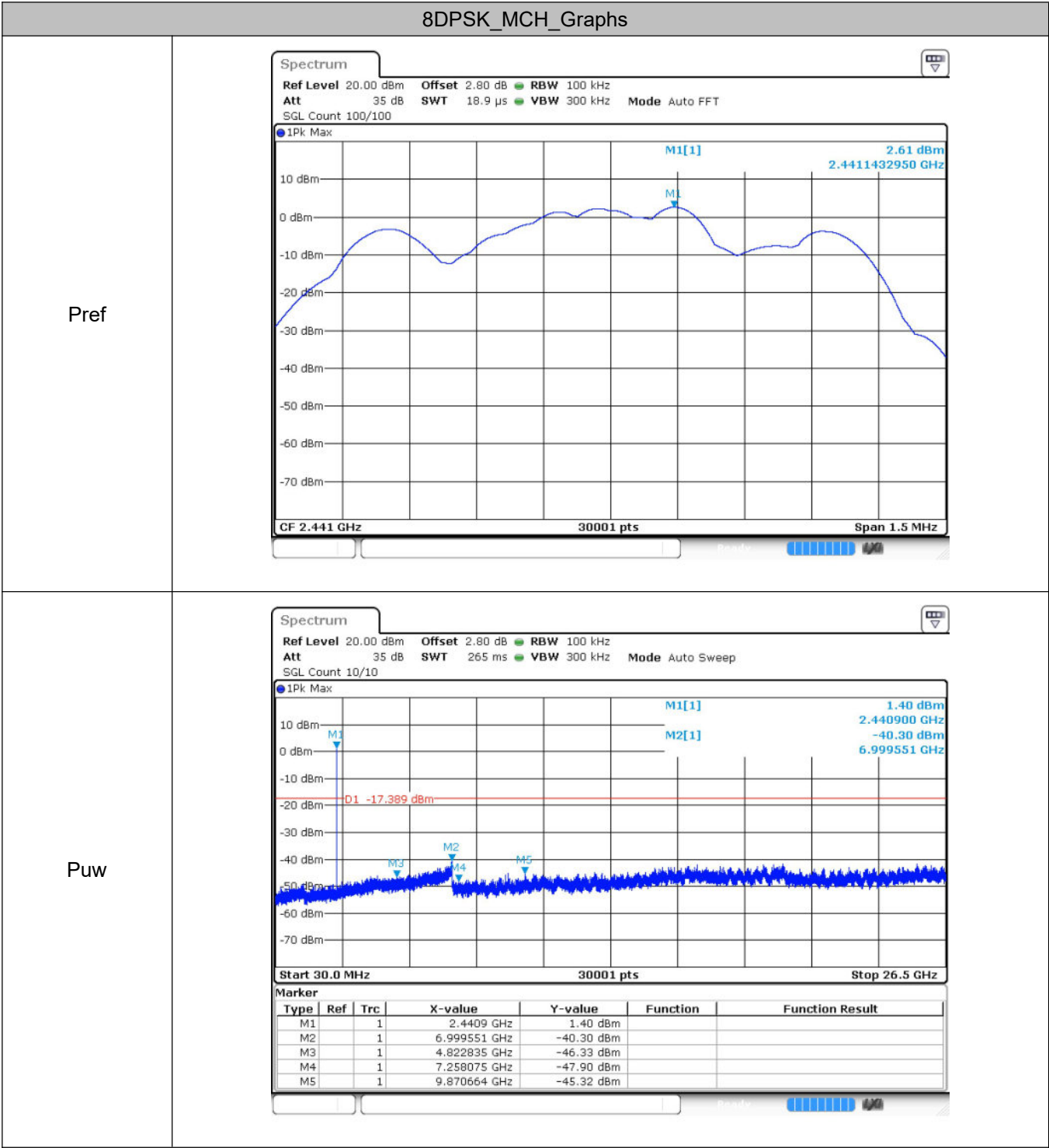
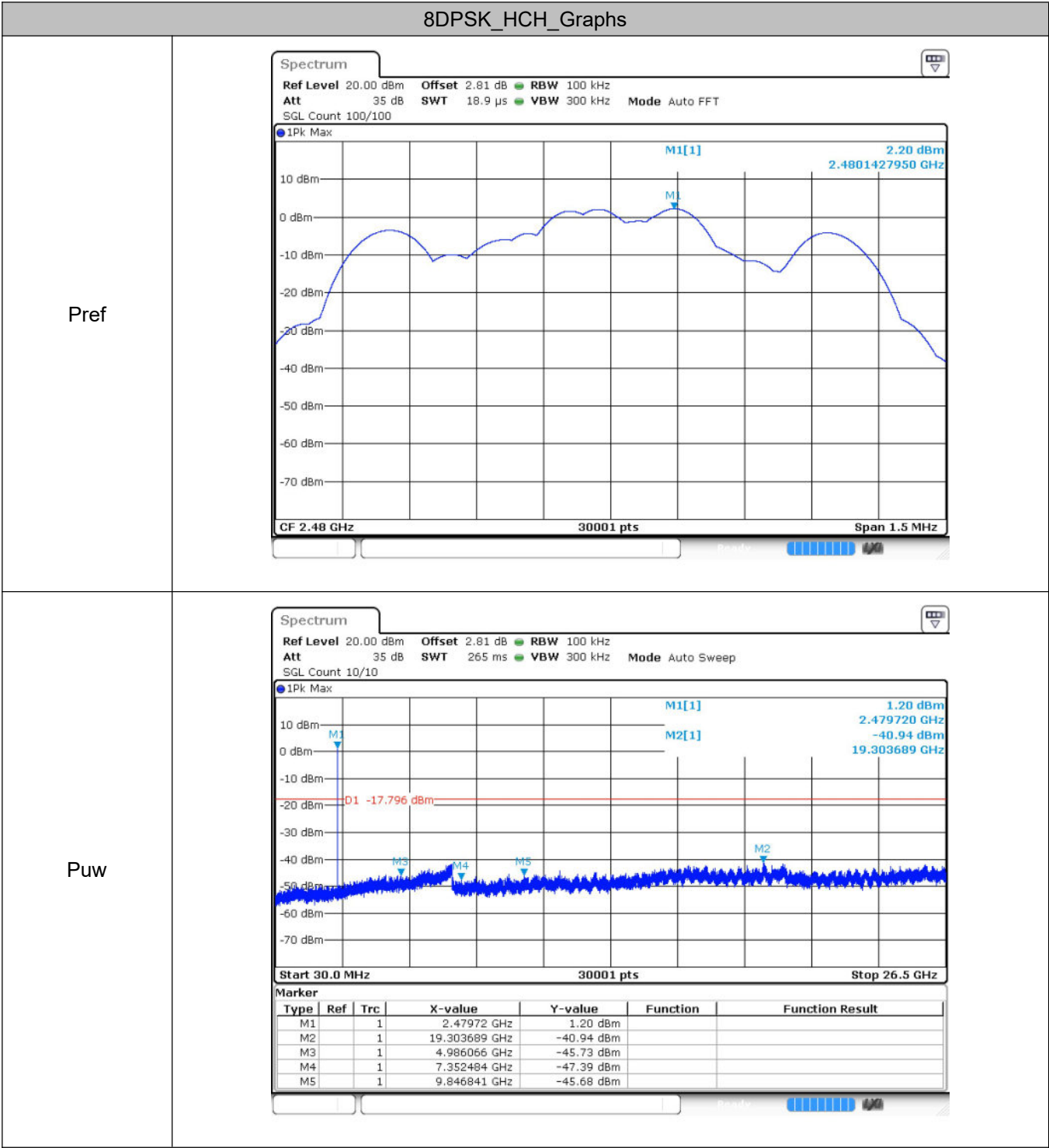








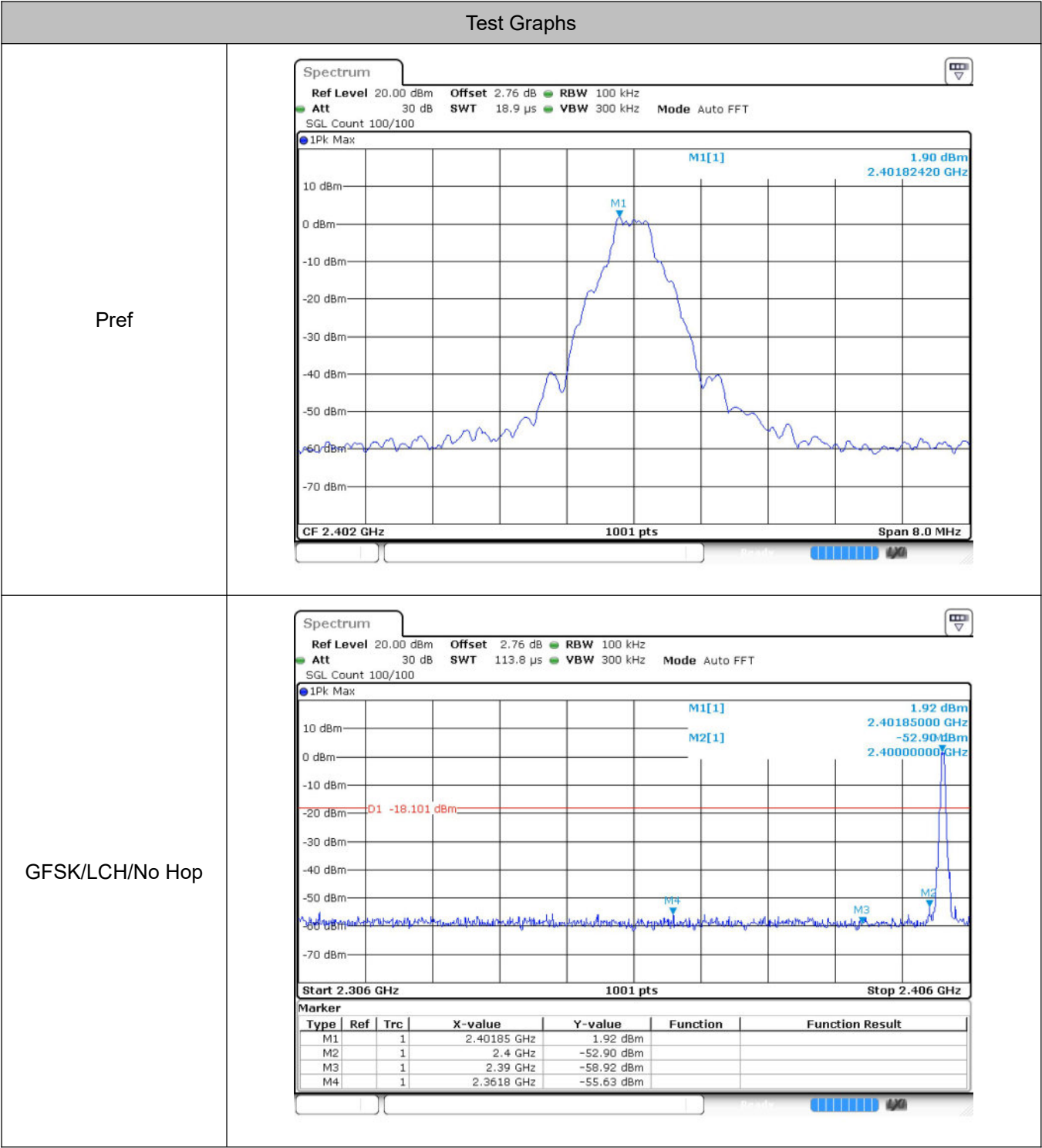


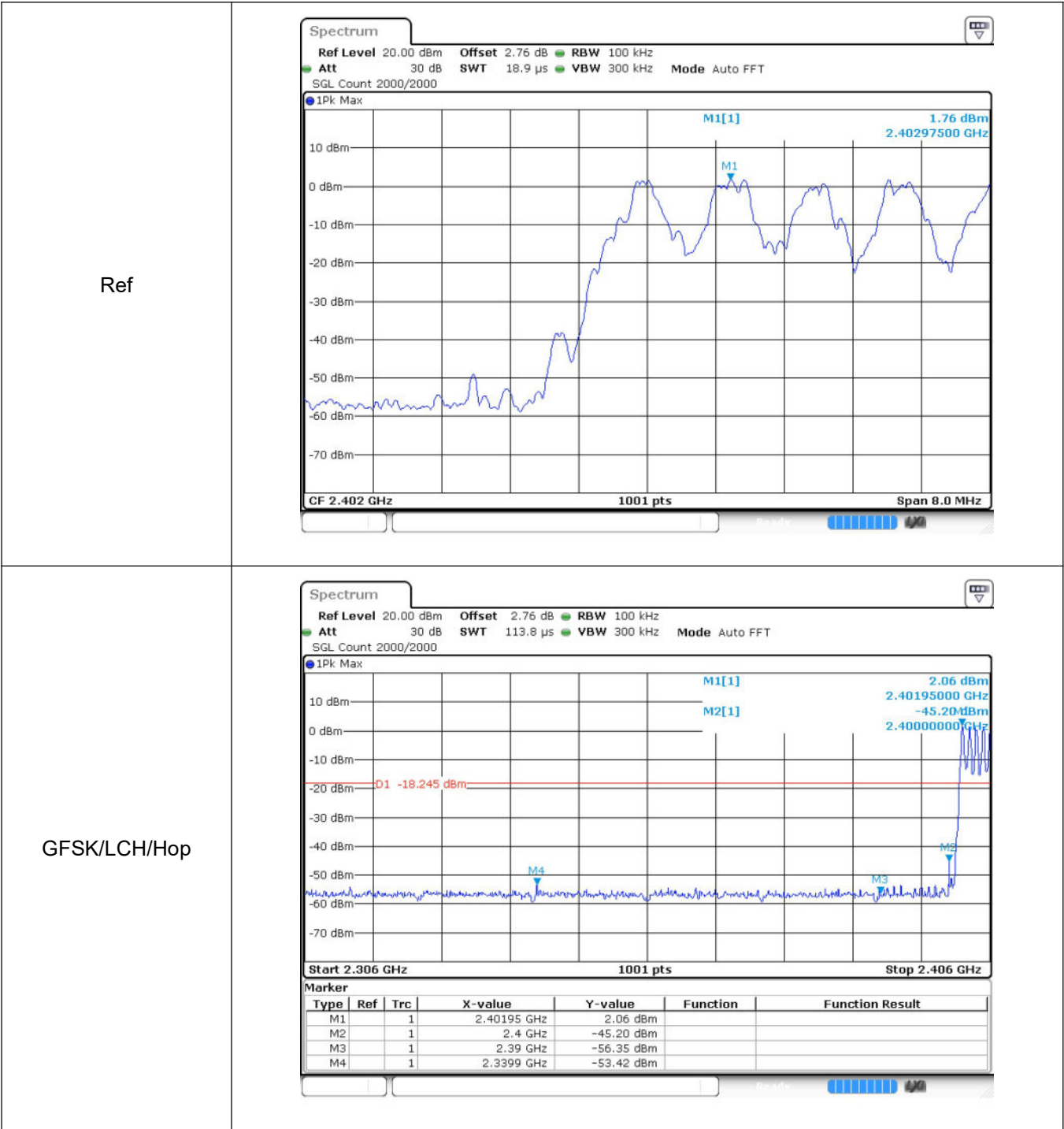
9 Band-edge for RF Conducted Emissions

9.1 Test Result

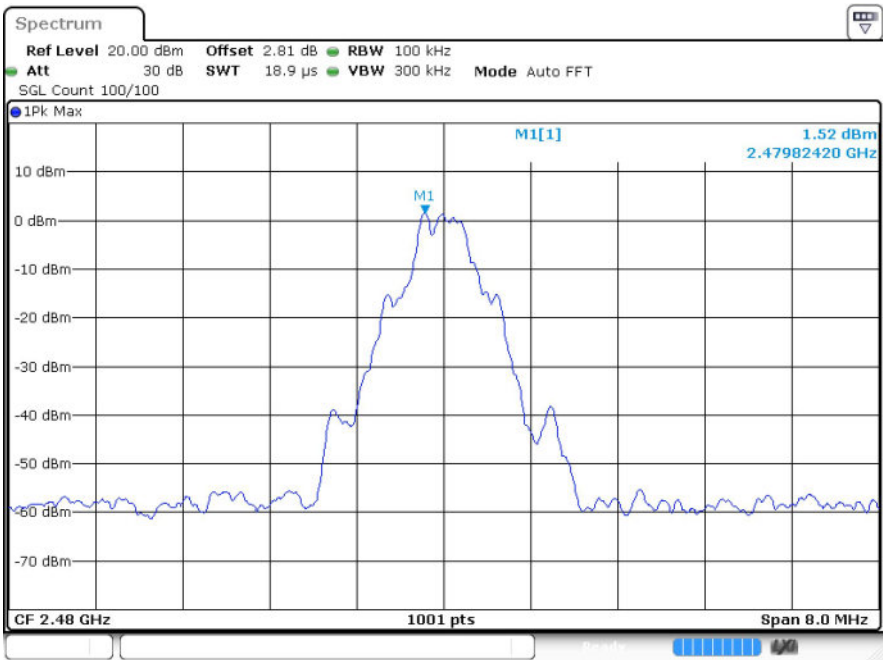
Mode	Channel	Carrier Frequency [MHz]	Frequency Hopping	Max Spurious Level [dBc]	Limit [dBc]	Verdict
GFSK	LCH	2402	Off	-57.53	-20	Pass
			On	-55.18	-20	Pass
	HCH	2480	Off	-56.88	-20	Pass
			On	-50.61	-20	Pass
$\pi/4$ DQPSK	LCH	2402	Off	-57.28	-20	Pass
			On	-54.5	-20	Pass
	HCH	2480	Off	-57.66	-20	Pass
			On	-52.99	-20	Pass
8DPSK	LCH	2402	Off	-58.06	-20	Pass
			On	-54.45	-20	Pass
	HCH	2480	Off	-56.91	-20	Pass
			On	-49.21	-20	Pass

9.2 Test Graphs

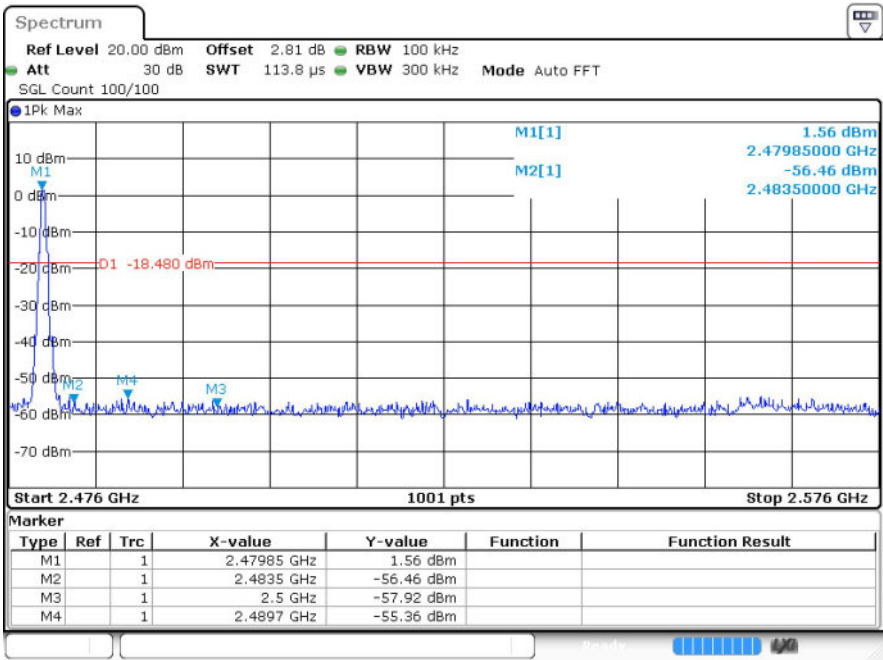




Ref



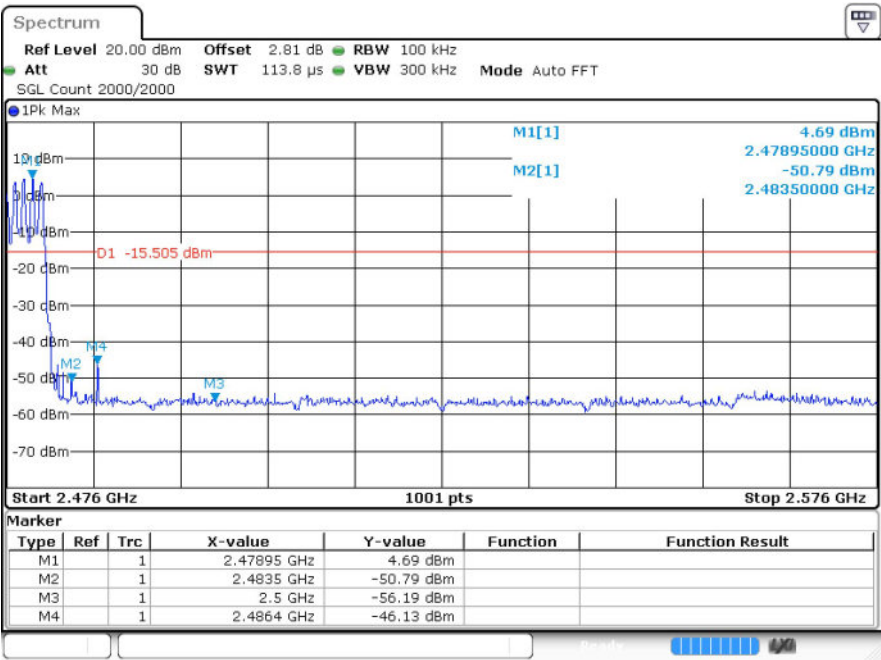
GFSK/HCH/No Hop

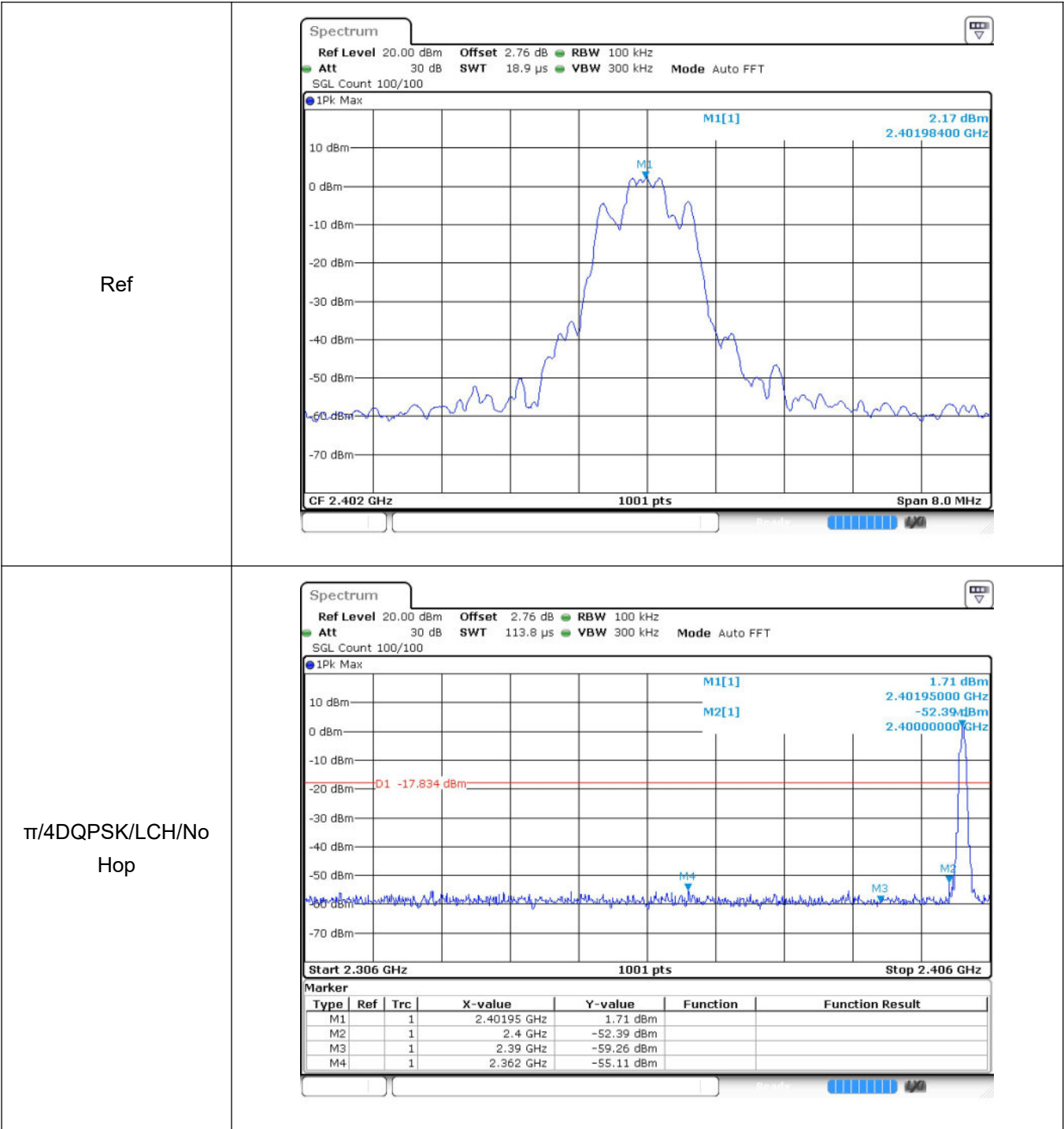


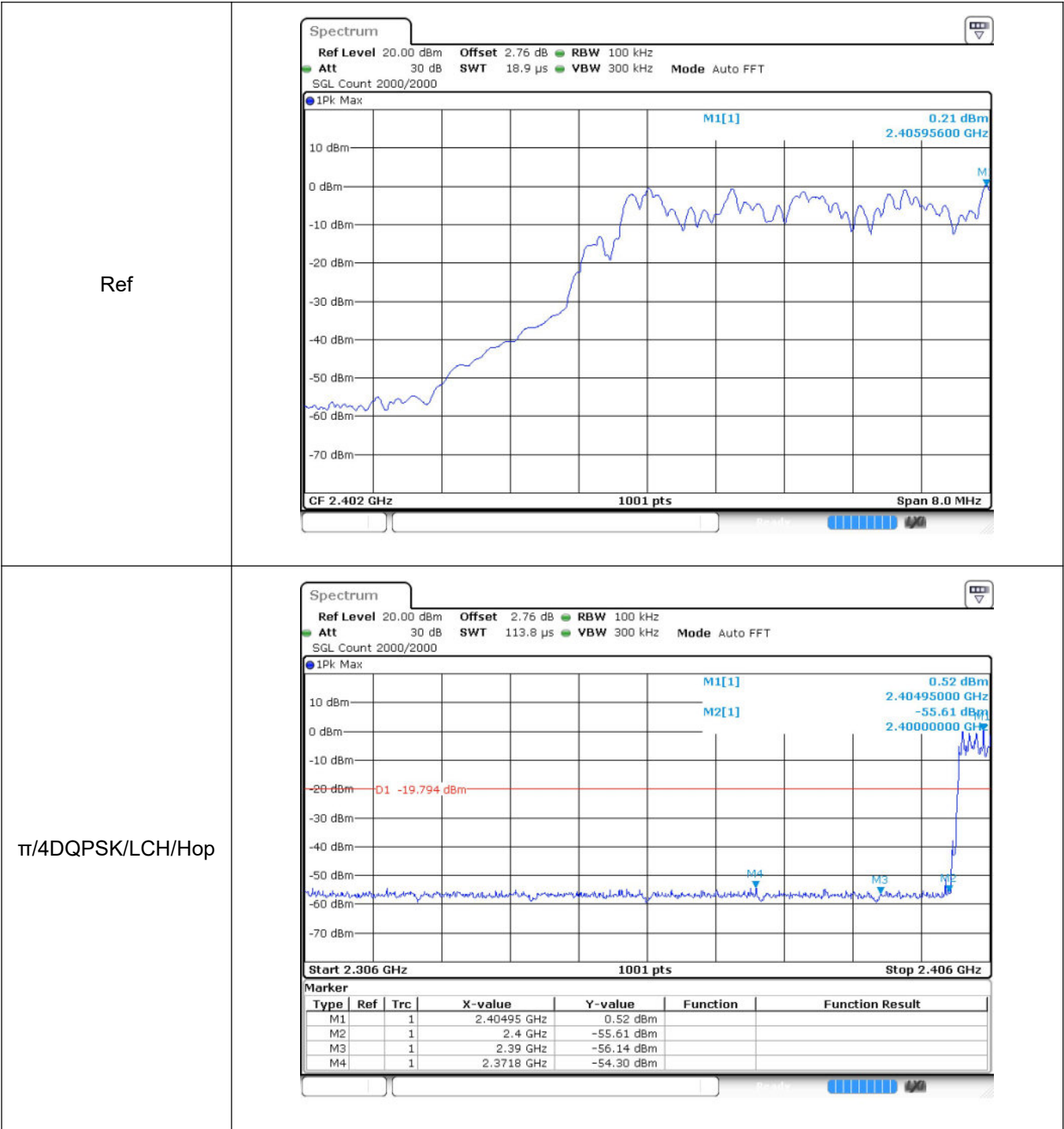
Ref.



GFSK/HCH/Hop





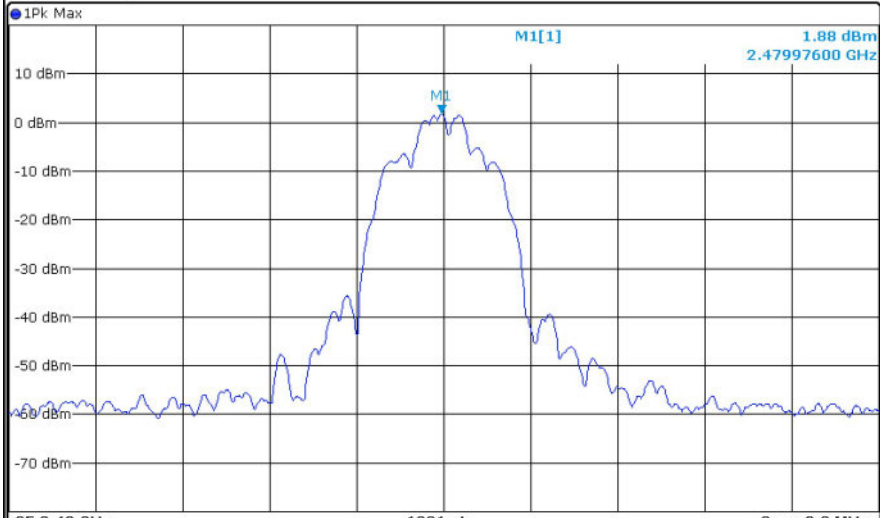


Ref

Spectrum

Ref Level 20.00 dBm Offset 2.81 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



CF 2.48 GHz 1001 pts Span 8.0 MHz

Marker data:

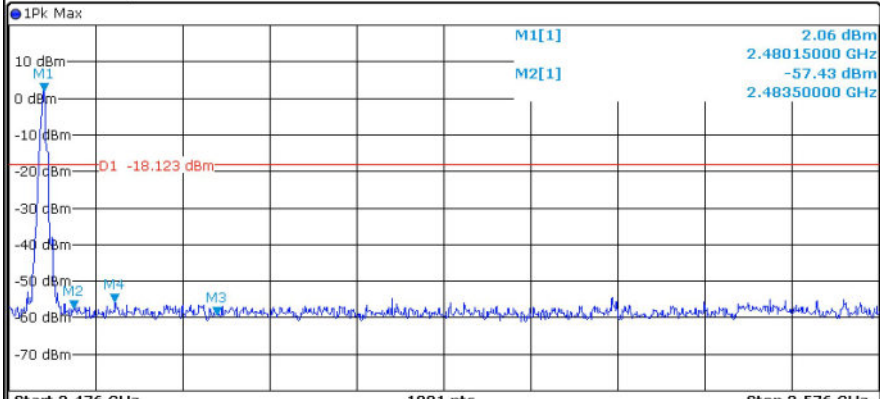
Marker	Frequency (GHz)	Power (dBm)
M1	2.47997600	1.88

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

Spectrum

Ref Level 20.00 dBm Offset 2.81 dB RBW 100 kHz
Att 30 dB SWT 113.8 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

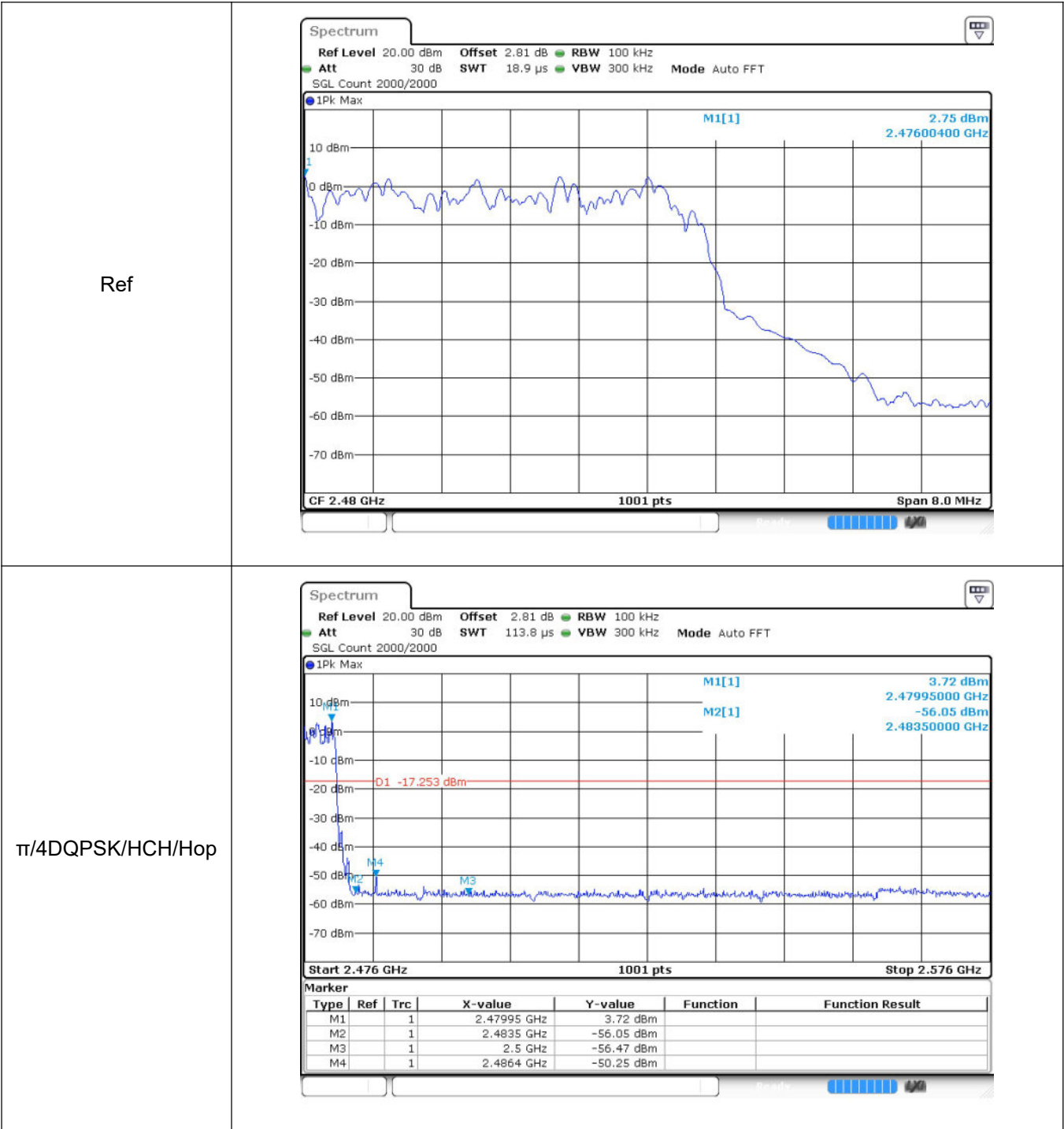
1Pk Max



Start 2.476 GHz 1001 pts Stop 2.576 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48015 GHz	2.06 dBm		
M2		1	2.4835 GHz	-57.43 dBm		
M3		1	2.5 GHz	-59.24 dBm		
M4		1	2.4882 GHz	-55.79 dBm		



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
SGL Count 100/100

1Pk Max

M1[1] 2.30 dBm
2.40197600 GHz

CF 2.402 GHz 1001 pts Span 8.0 MHz

8DPSK/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
SGL Count 100/100

1Pk Max

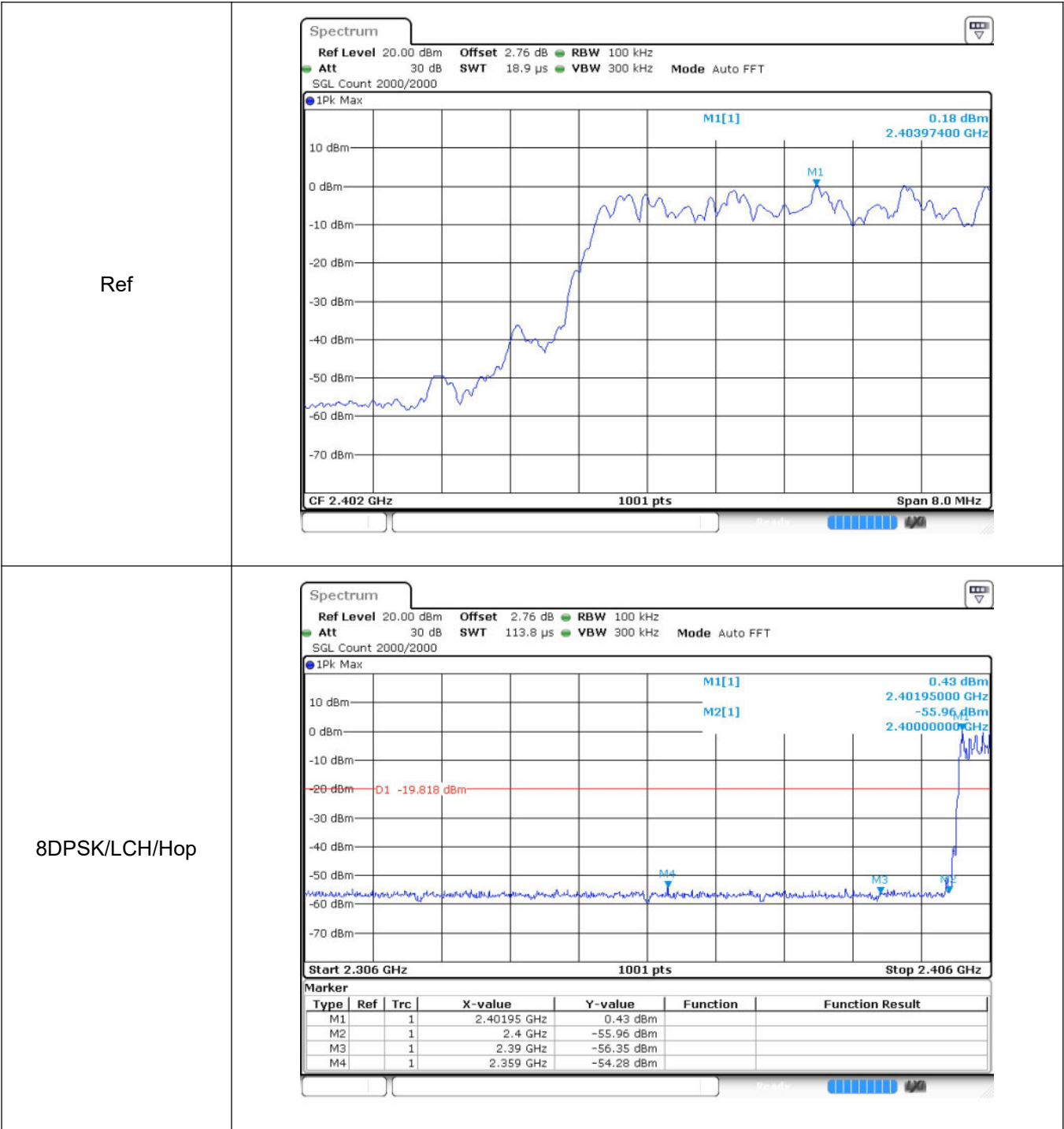
M1[1] 1.71 dBm
2.40185000 GHz
M2[1] -54.37 dBm
2.40000000 GHz

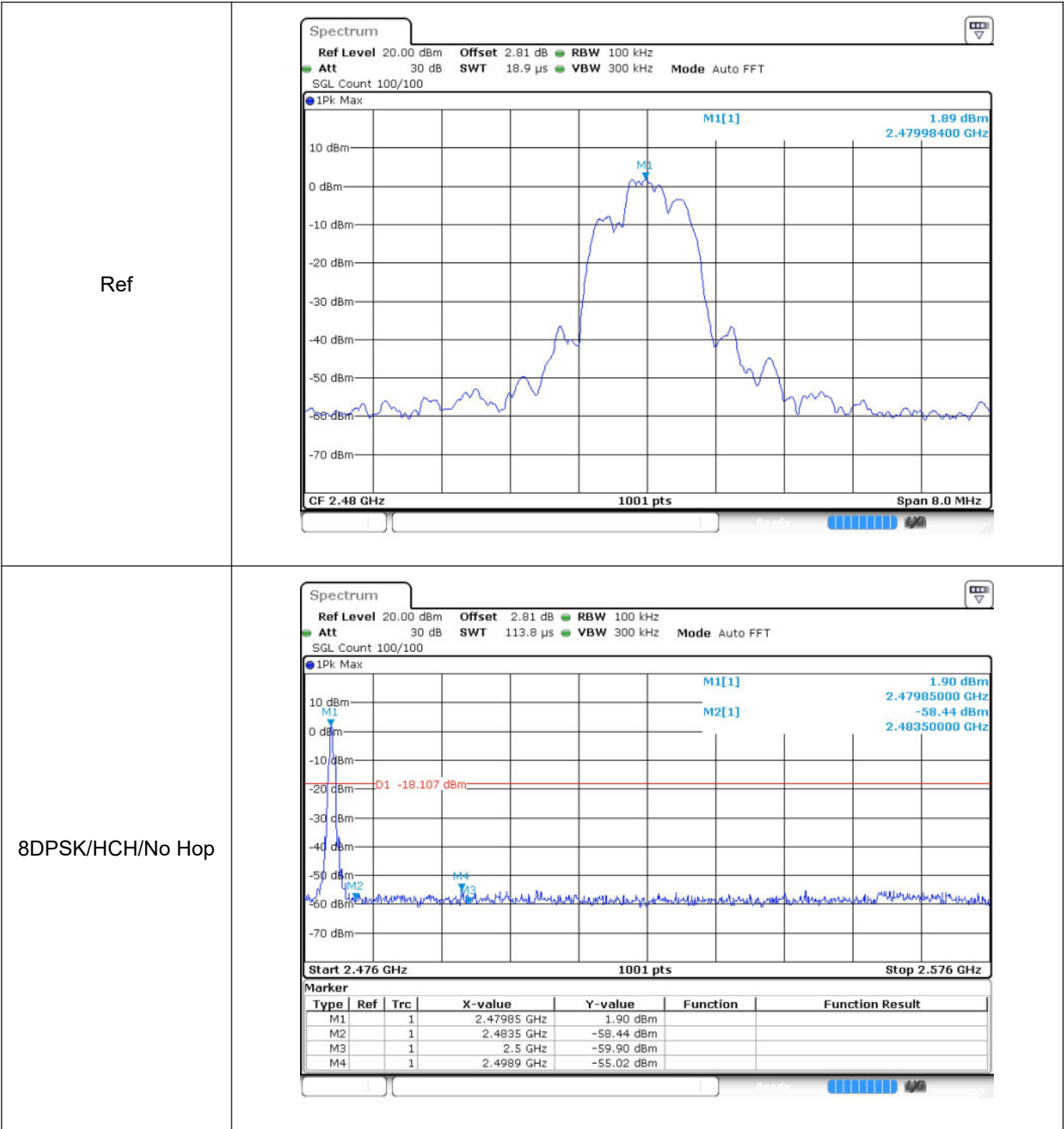
D1 -17.695 dBm

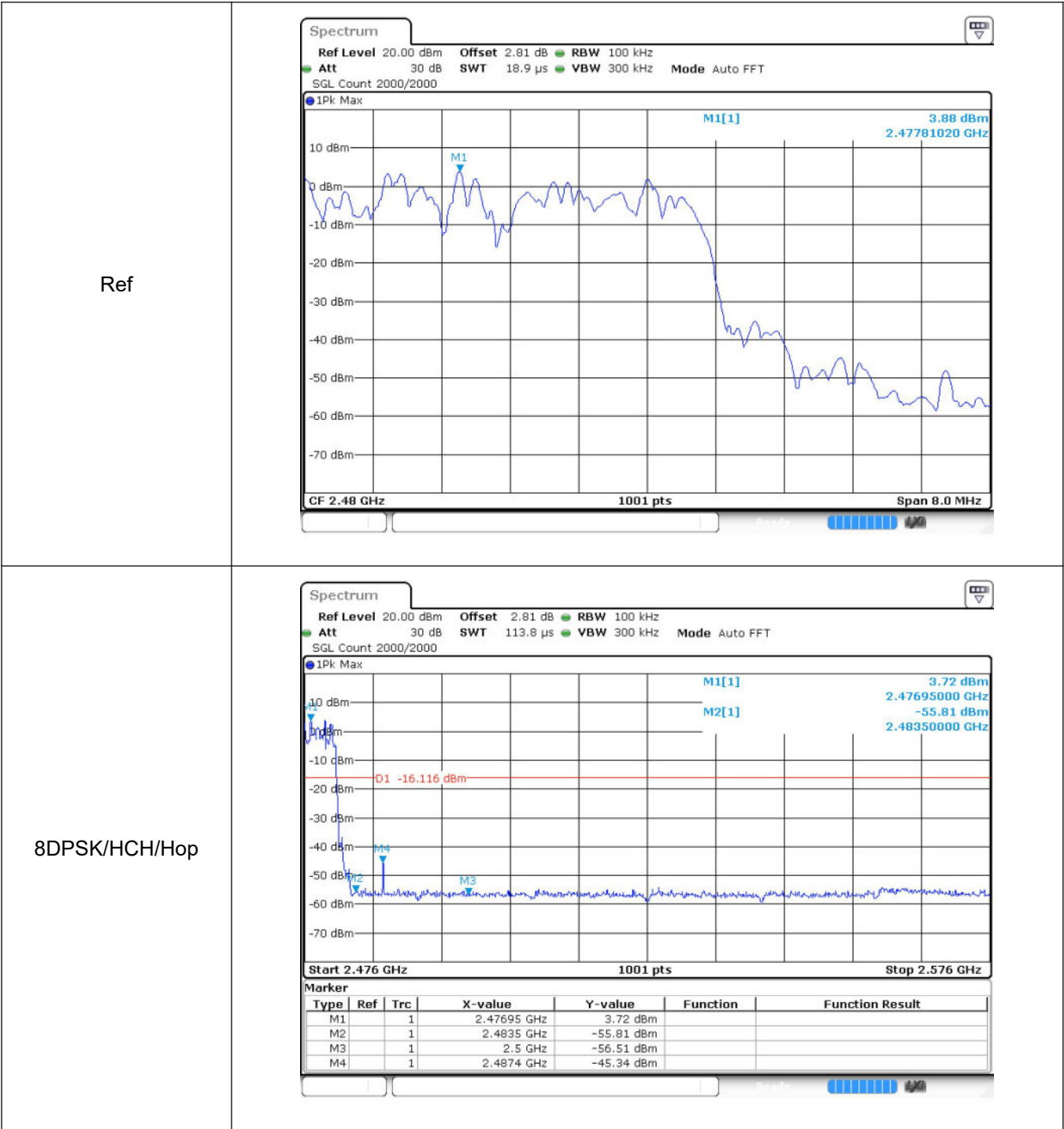
Start 2.306 GHz 1001 pts Stop 2.406 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40185 GHz	1.71 dBm		
M2		1	2.4 GHz	-54.37 dBm		
M3		1	2.39 GHz	-57.79 dBm		
M4		1	2.362 GHz	-55.76 dBm		







10 Restrict-band band-edge measurements

10.1 Test Result

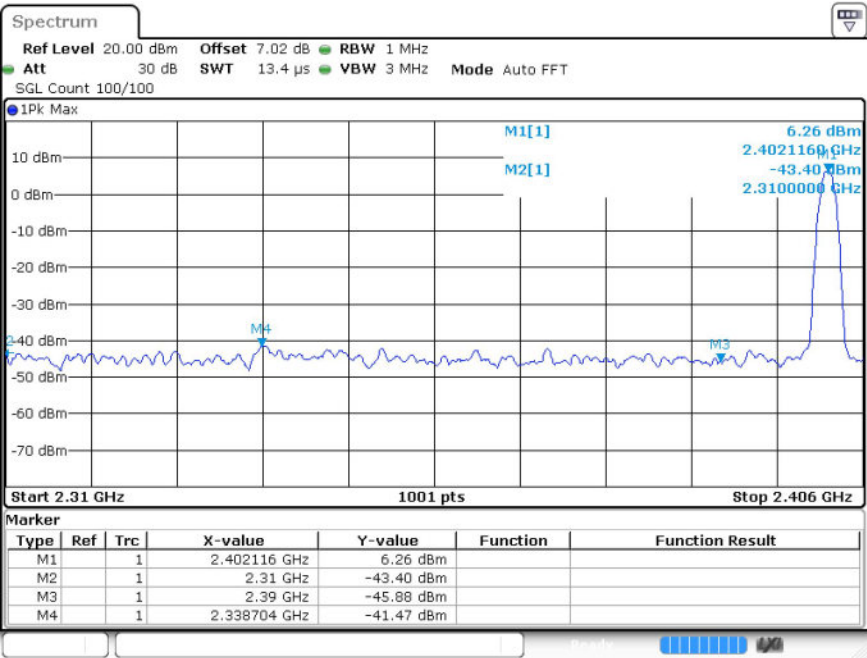
Test Mode	Hopping	Freq.	Power [dBm]	Gain	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.4	4.26	56.12	PEAK	74	Pass
	Off	2310.0	-52.84	4.26	46.68	AV	54	Pass
	Off	2338.704	-41.47	4.26	58.05	PEAK	74	Pass
	Off	2340.816	-51.19	4.26	48.33	AV	54	Pass
	Off	2390.0	-45.88	4.26	53.64	PEAK	74	Pass
	Off	2390.0	-53.75	4.26	45.77	AV	54	Pass
	Off	2483.5	-44.03	4.26	55.49	PEAK	74	Pass
	Off	2483.5	-53.07	4.26	46.45	AV	54	Pass
	Off	2488.6	-41.67	4.26	57.85	PEAK	74	Pass
	Off	2499.784	-52.7	4.26	46.82	AV	54	Pass
	Off	2500.0	-43.13	4.26	56.39	PEAK	74	Pass
	Off	2500.0	-52.8	4.26	46.72	AV	54	Pass
$\pi/4$ DQPSK	Off	2310.0	-44.25	4.26	55.27	PEAK	74	Pass
	Off	2310.0	-53.05	4.26	46.47	AV	54	Pass
	Off	2373.456	-41.97	4.26	57.55	PEAK	74	Pass
	Off	2338.224	-50.81	4.26	48.71	AV	54	Pass
	Off	2390.0	-45.83	4.26	53.69	PEAK	74	Pass
	Off	2390.0	-53.57	4.26	45.95	AV	54	Pass
	Off	2483.5	-43.81	4.26	55.71	PEAK	74	Pass
	Off	2483.5	-52.7	4.26	46.82	AV	54	Pass
	Off	2490.544	-41.79	4.26	57.73	PEAK	74	Pass
	Off	2497.696	-52.49	4.26	47.03	AV	54	Pass
	Off	2500.0	-43.13	4.26	56.39	PEAK	74	Pass
	Off	2500.0	-52.84	4.26	46.68	AV	54	Pass
8DPSK	Off	2310.0	-44.44	4.26	55.08	PEAK	74	Pass
	Off	2310.0	-52.9	4.26	46.62	AV	54	Pass
	Off	2327.568	-42.59	4.26	56.93	PEAK	74	Pass
	Off	2341.008	-50.21	4.26	49.31	AV	54	Pass
	Off	2390.0	-43.3	4.26	56.22	PEAK	74	Pass
	Off	2390.0	-53.66	4.26	45.86	AV	54	Pass



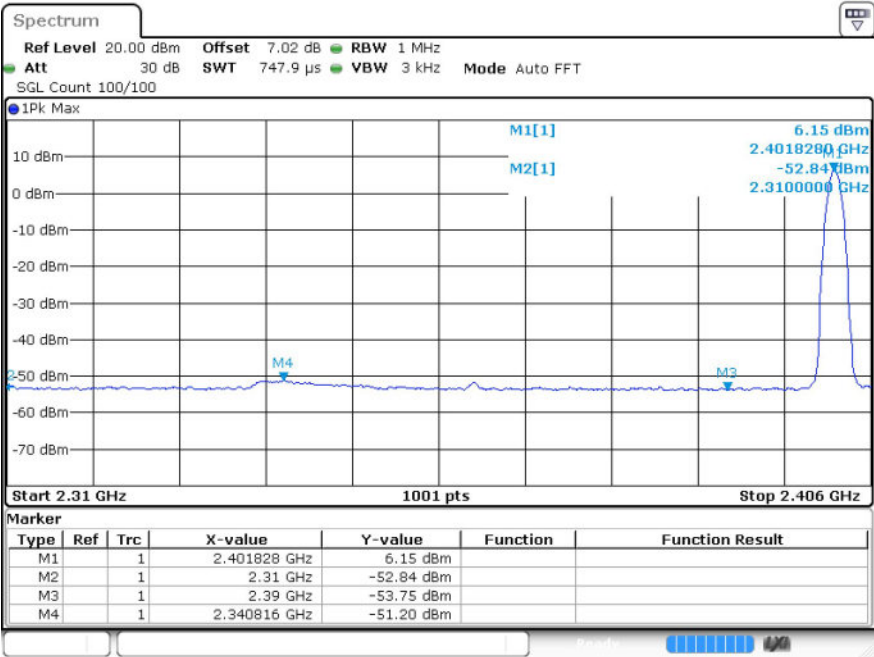
	Off	2483.5	-45.86	4.26	53.66	PEAK	74	Pass
	Off	2483.5	-52.86	4.26	46.66	AV	54	Pass
	Off	2495.704	-42.8	4.26	56.72	PEAK	74	Pass
	Off	2484.664	-52.4	4.26	47.12	AV	54	Pass
	Off	2500.0	-45.89	4.26	53.63	PEAK	74	Pass
	Off	2500.0	-52.91	4.26	46.61	AV	54	Pass

10.2 Test Graphs

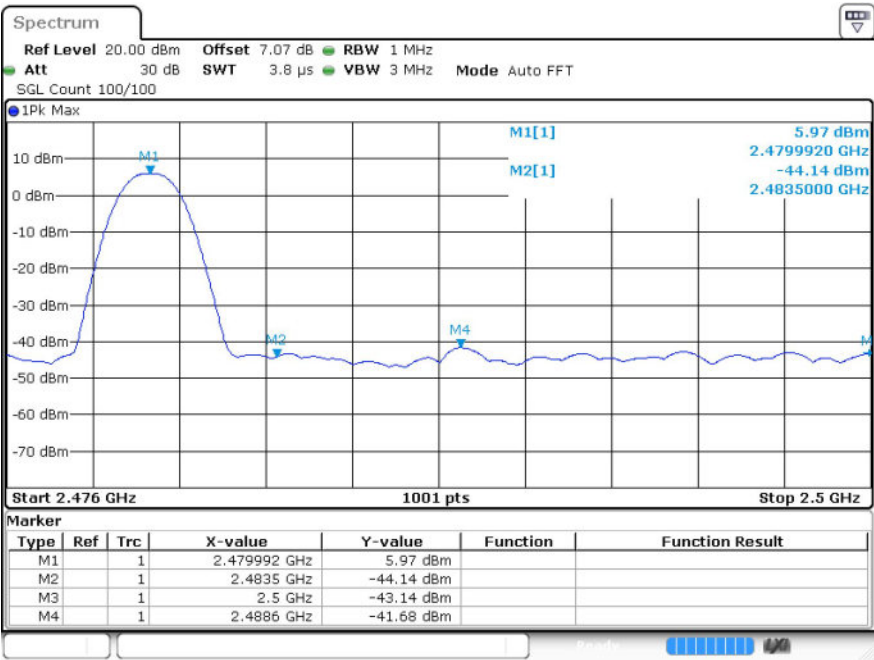
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



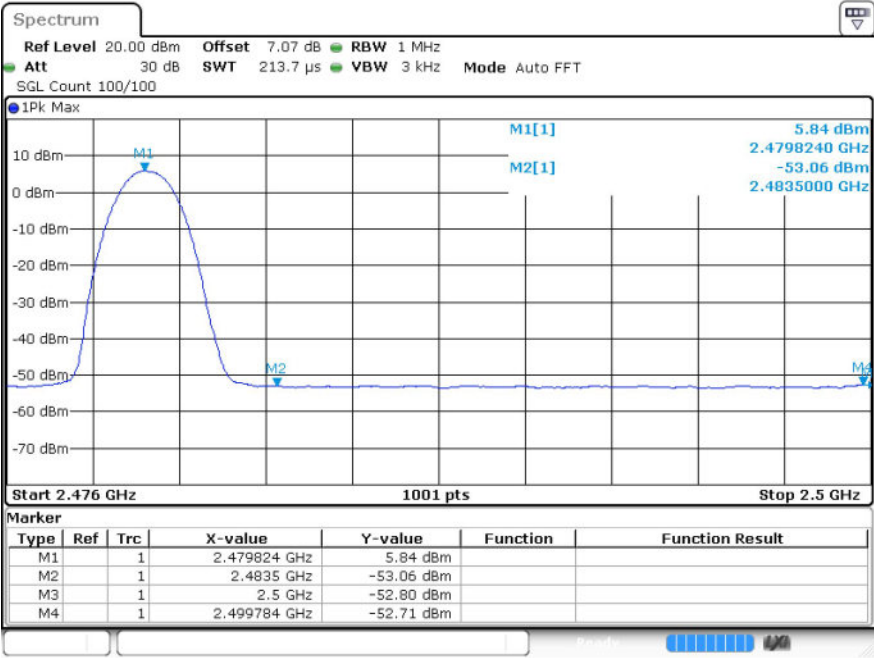
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



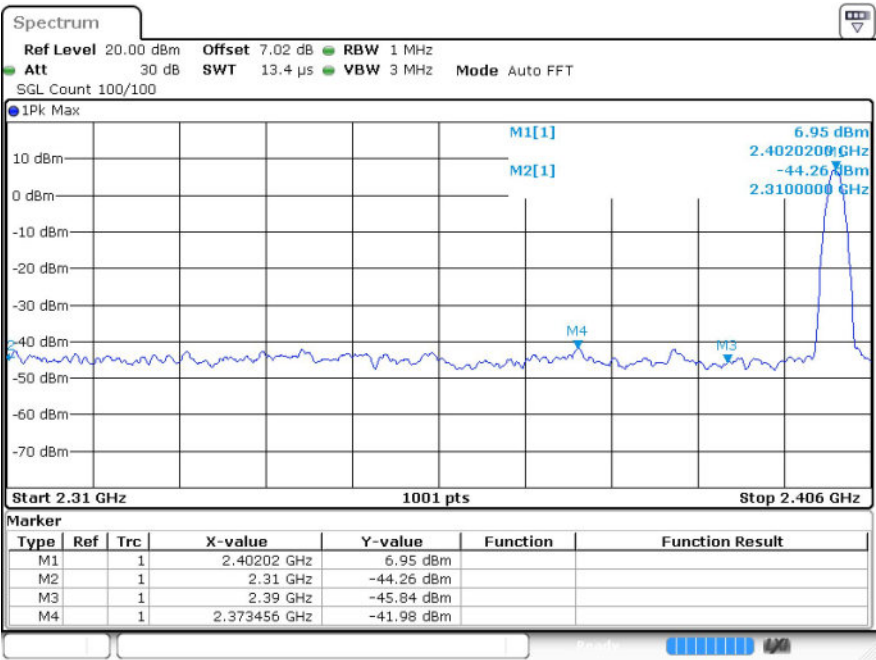
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



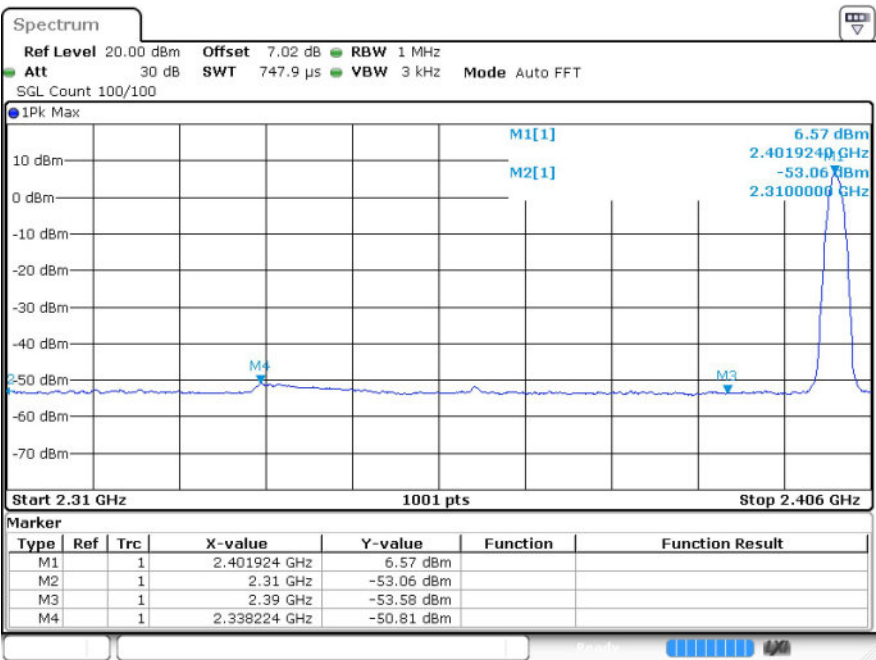
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



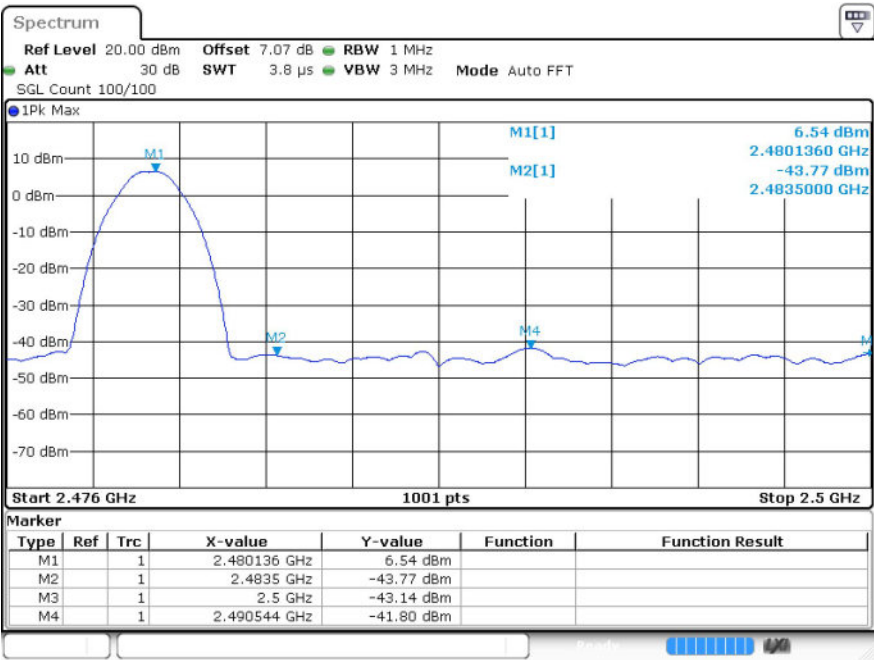
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



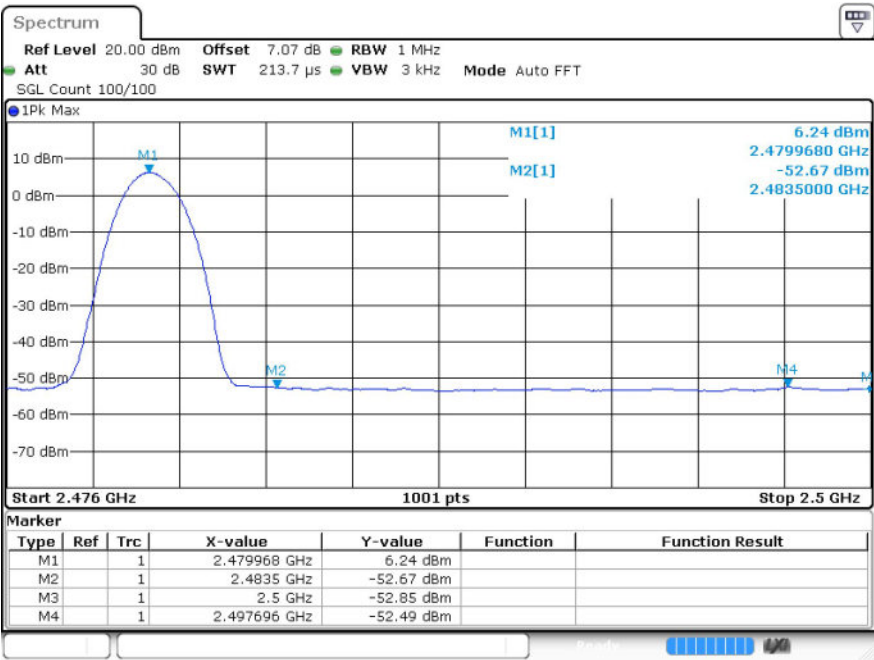
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



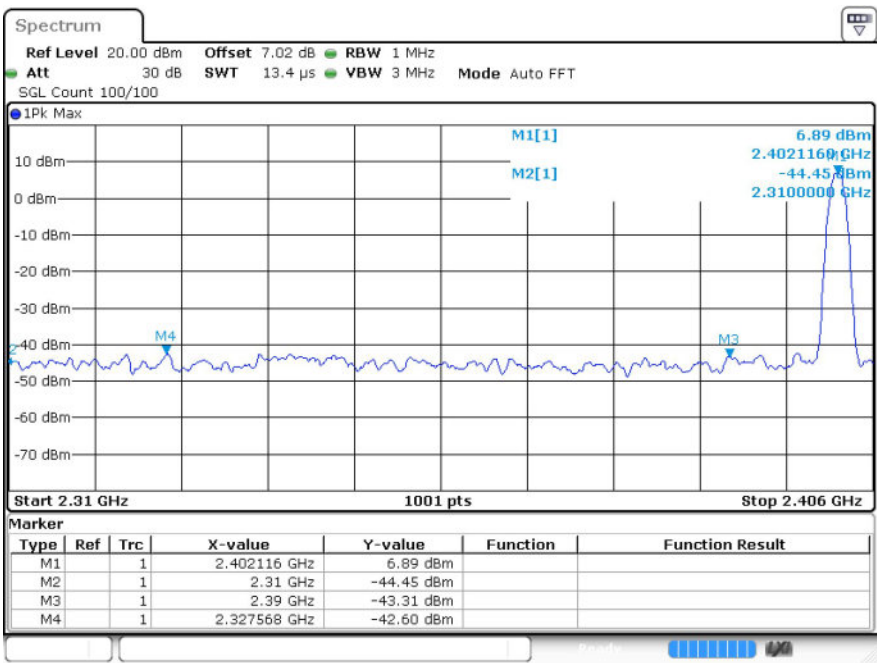
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



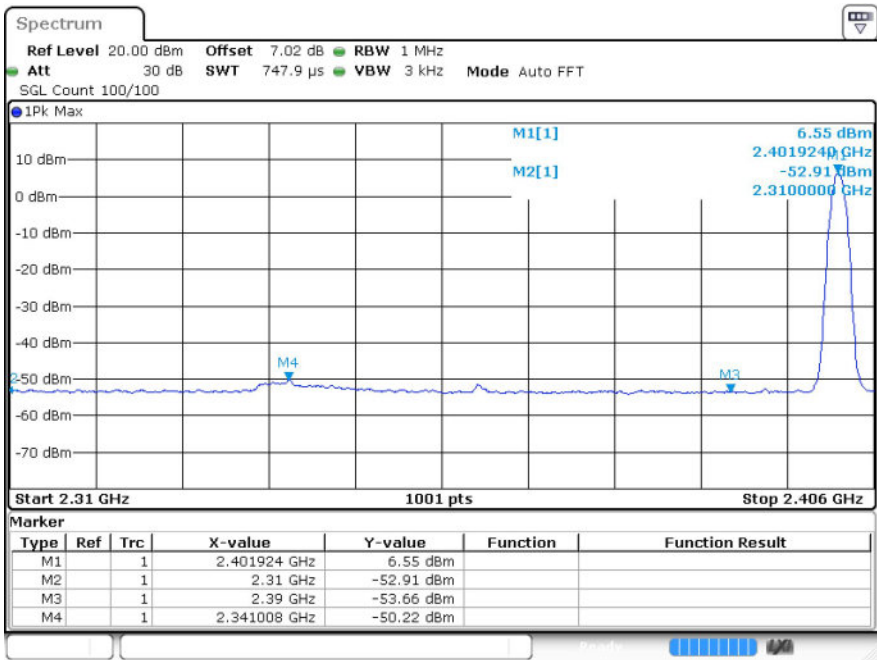
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



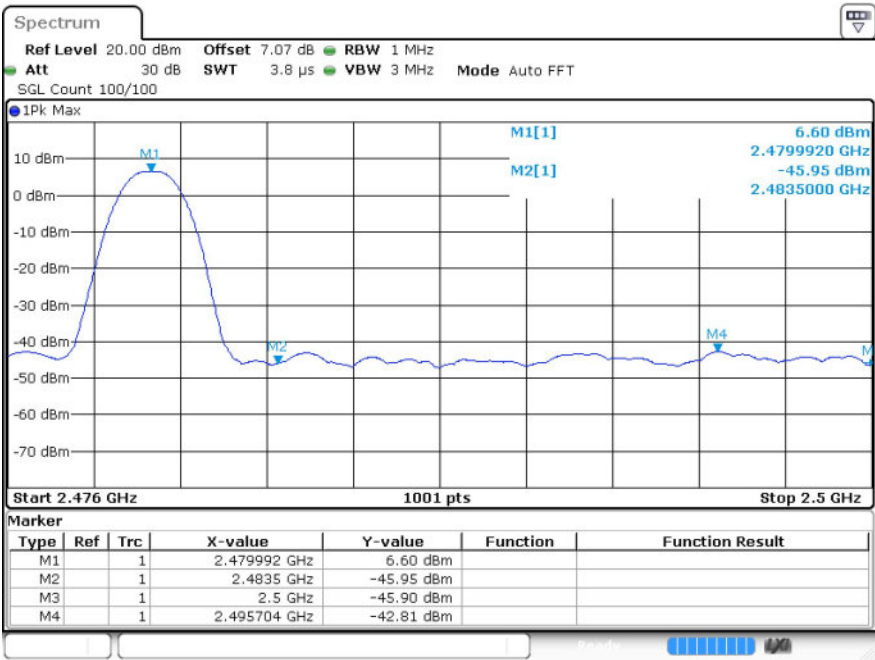
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



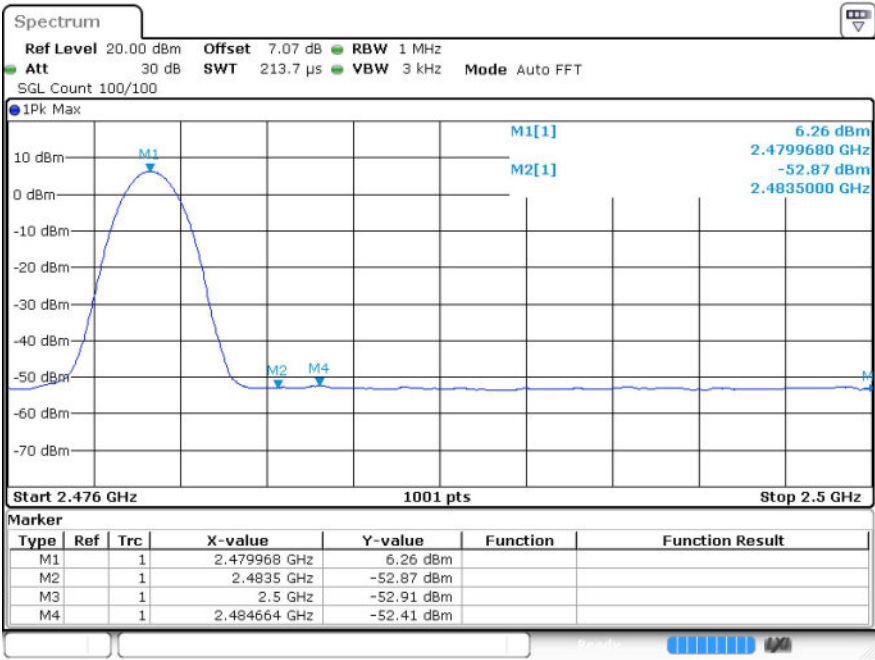
Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



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



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



---The End---