Appendix A

RF Test Data for BT 2.1+EDR (Conducted Measurement)

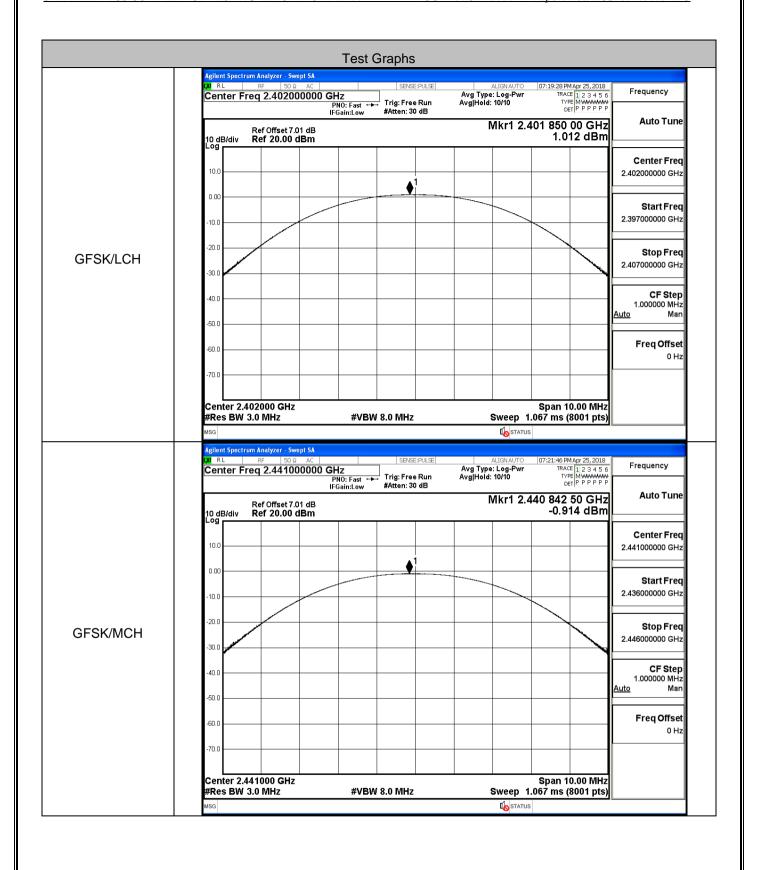
Product Name: Feature phone
Trade Mark: KENXINDA
Test Model: K7720

Environmental Conditions

•	
Temperature:	21.3 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jayden.Zhuo
Supervised by:	Dick.Su

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.012	30	PASS
GFSK	MCH	-0.914	30	PASS
	НСН	-0.990	30	PASS
	LCH	0.207	21	PASS
π/4DQPSK	MCH	-1.491	21	PASS
	НСН	-1.683	21	PASS
8DPSK	LCH	0.376	21	PASS
	MCH	-1.350	21	PASS
	HCH	-1.625	21	PASS



#VBW 8.0 MHz

Span 10.00 MHz Sweep 1.067 ms (8001 pts)

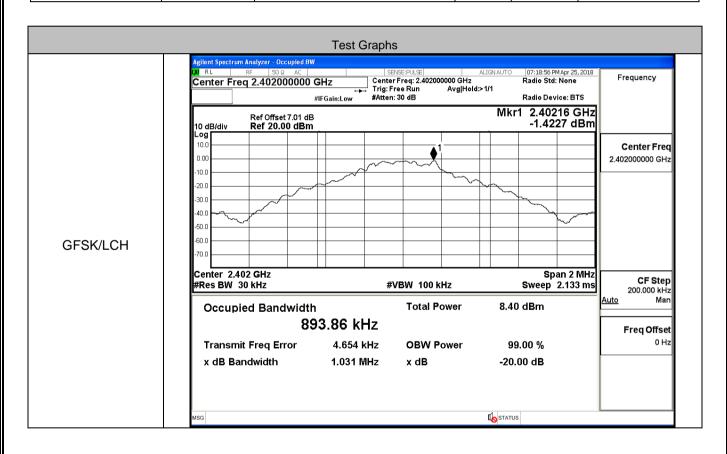
STATUS

-70.0

Center 2.480000 GHz #Res BW 3.0 MHz

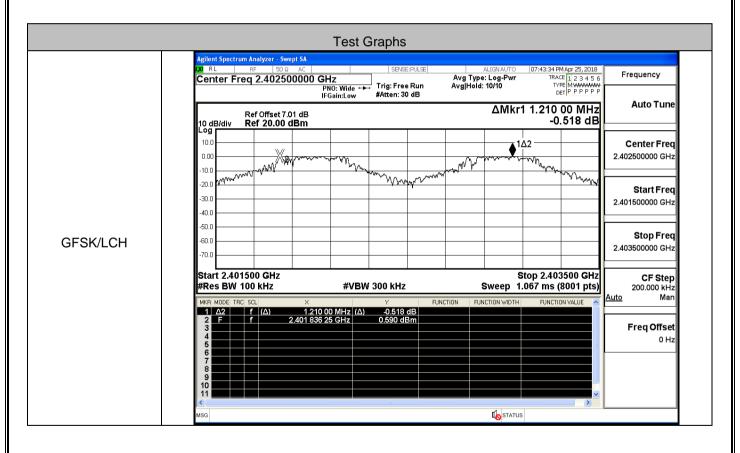
A.2 20dB Bandwidth

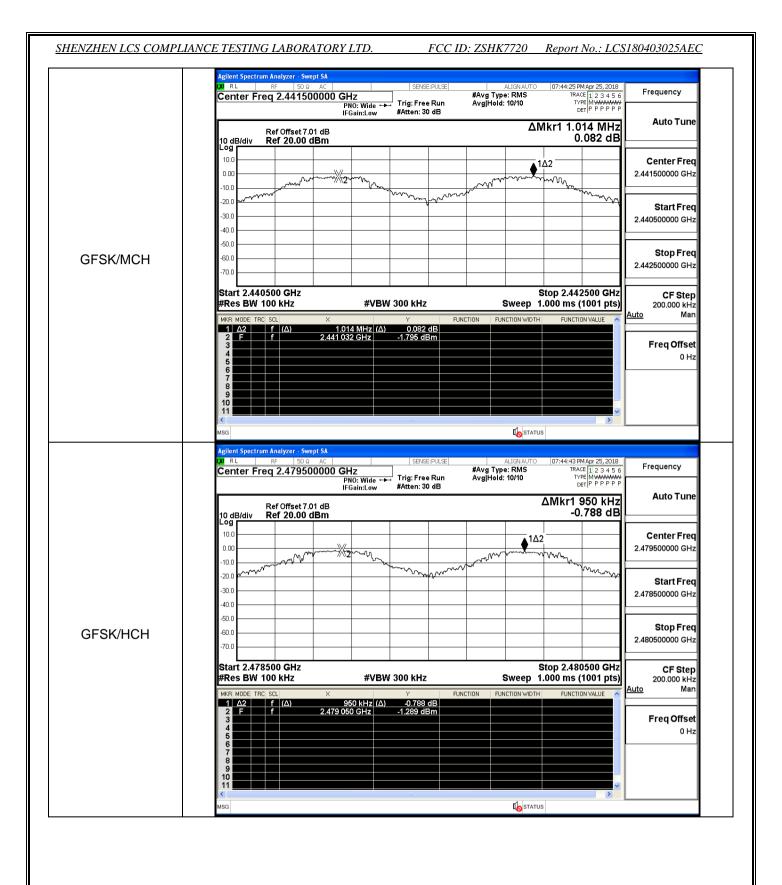
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.031	Not Specified	PASS
GFSK	MCH	1.031	Not Specified	PASS
	HCH	1.041	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.317	Not Specified	PASS
	НСН	1.304	Not Specified	PASS
8DPSK	LCH	1.293	Not Specified	PASS
	MCH	1.299	Not Specified	PASS
	НСН	1.293	Not Specified	PASS

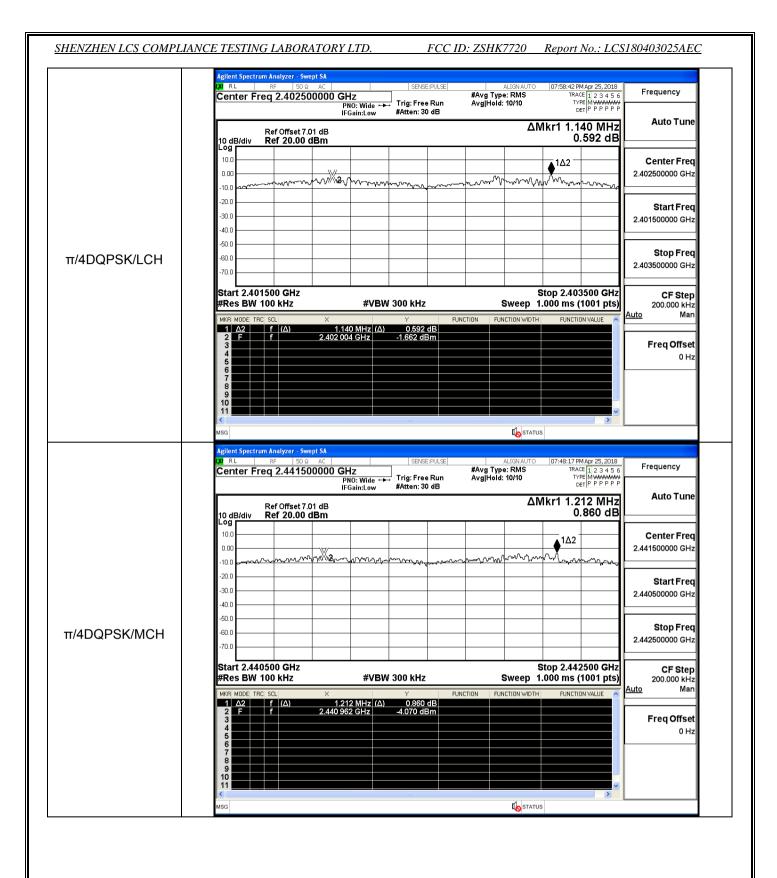


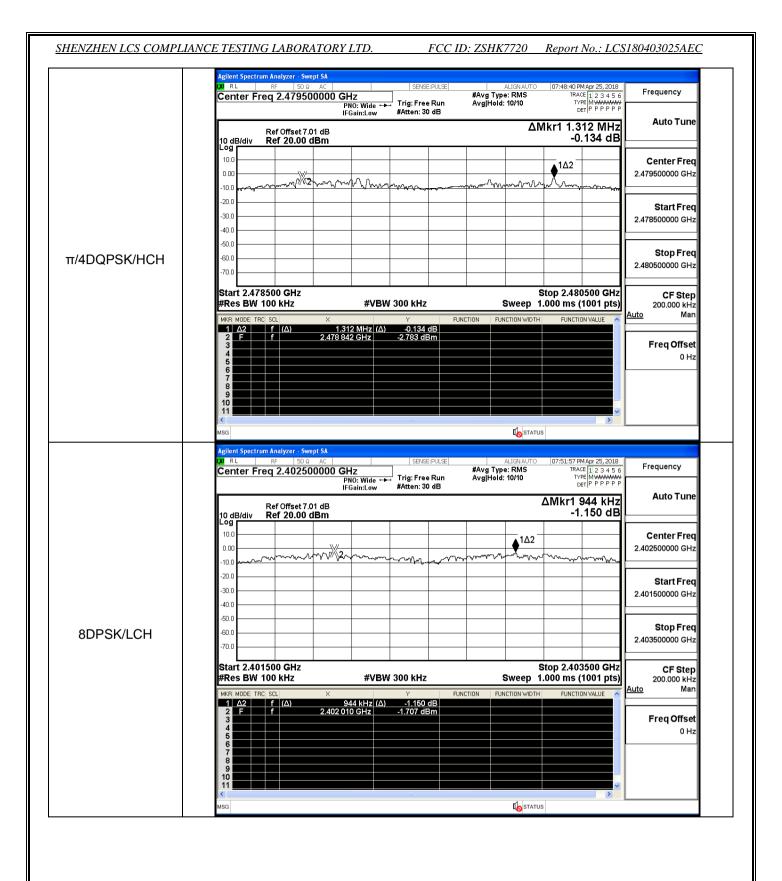
A.3 Carrier Frequency Separation

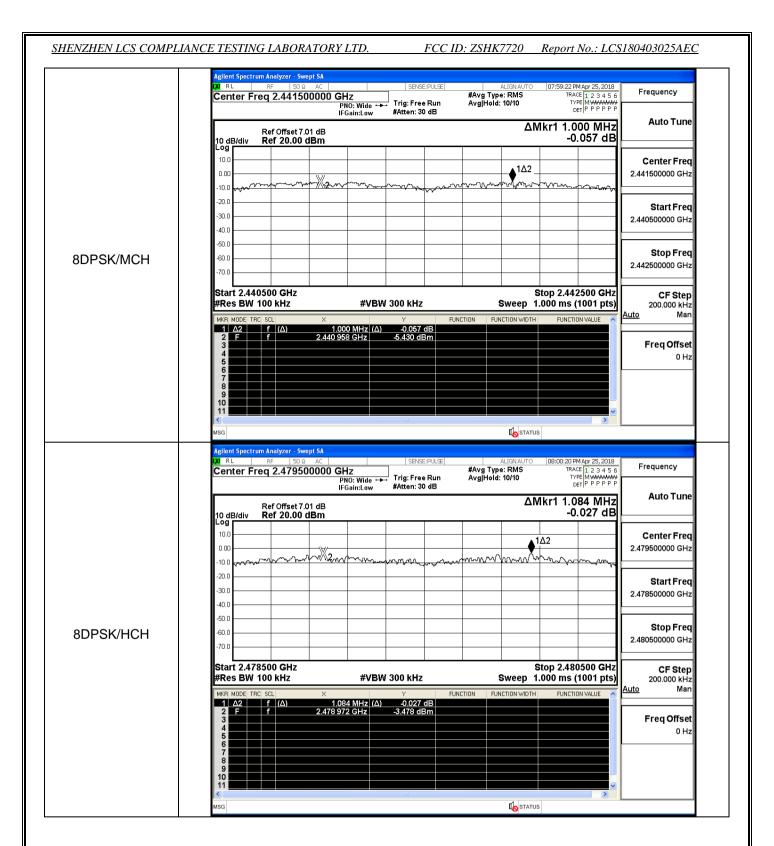
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.210	0.694	PASS
GFSK	MCH	1.014	0.694	PASS
	HCH	0.950	0.694	PASS
	LCH	1.140	0.878	PASS
π/4DQPSK	MCH	1.212	0.878	PASS
	HCH	1.312	0.878	PASS
	LCH	0.944	0.866	PASS
8DPSK	MCH	1.000	0.866	PASS
	HCH	1.084	0.866	PASS





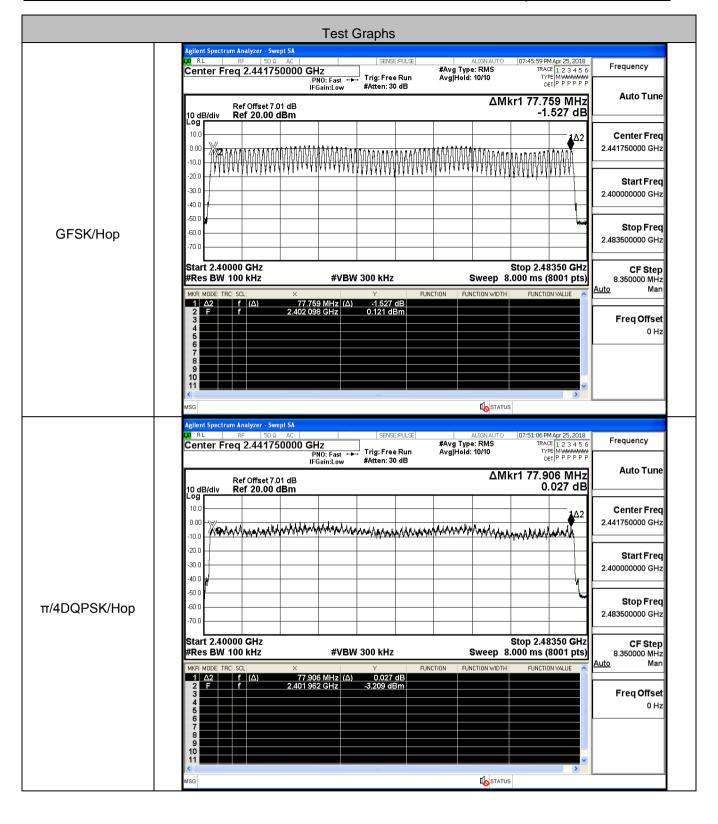






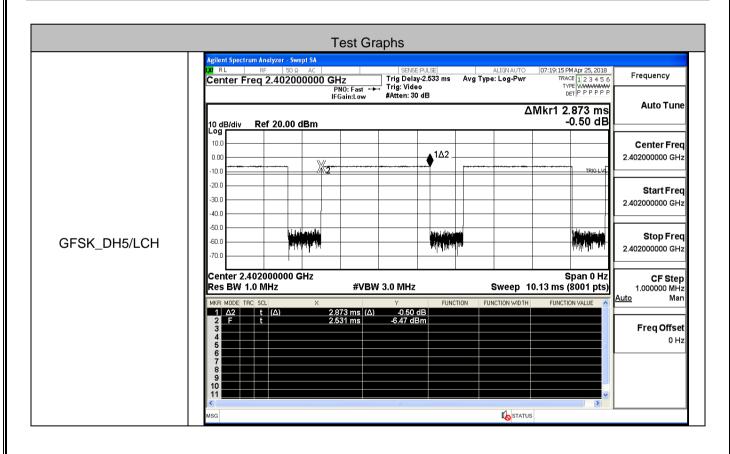
A.4 Hopping Channel Number

Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS



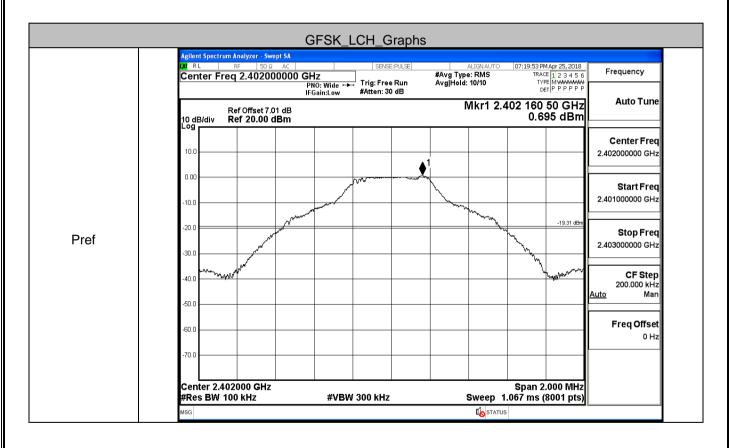
A.5 Dwell Time

Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.87	106.7	0.306	0.4	PASS
GFSK	DH5	MCH	2.87	106.7	0.306	0.4	PASS
	DH5 HCH		2.87	106.7	0.306	0.4	PASS
	2DH5	LCH	2.87	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.87	106.7	0.307	0.4	PASS
	2DH5	HCH	2.87	106.7	0.307	0.4	PASS
	3DH5	LCH	2.87	106.7	0.307	0.4	PASS
8DPSK	3DH5	MCH	2.87	106.7	0.307	0.4	PASS
	3DH5	HCH	2.87	106.7	0.307	0.4	PASS



A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.695	-46.434	-19.305	PASS
GFSK	MCH	-1.628	-45.780	-21.628	PASS
	HCH	-1.621	-45.737	-21.621	PASS
	LCH	-1.433	-46.494	-21.433	PASS
π/4DQPSK	MCH	-2.359	-46.045	-22.359	PASS
	HCH	-2.587	-45.714	-22.587	PASS
	LCH	-0.804	-45.700	-20.804	PASS
8DPSK	MCH	-2.239	-45.710	-22.239	PASS
	НСН	-2.692	-45.176	-22.692	PASS



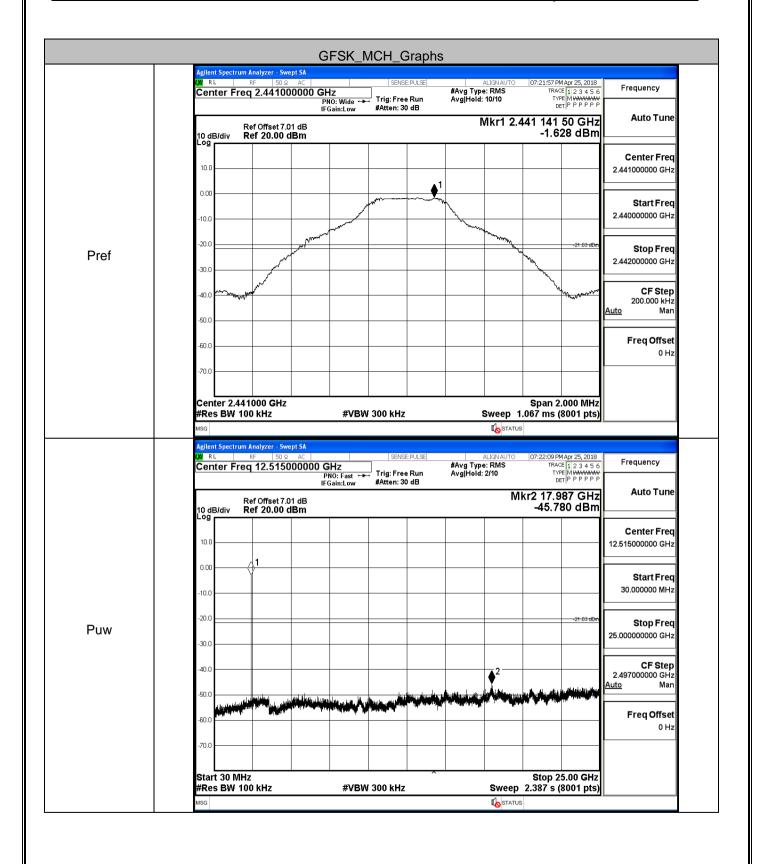
#VBW 300 kHz

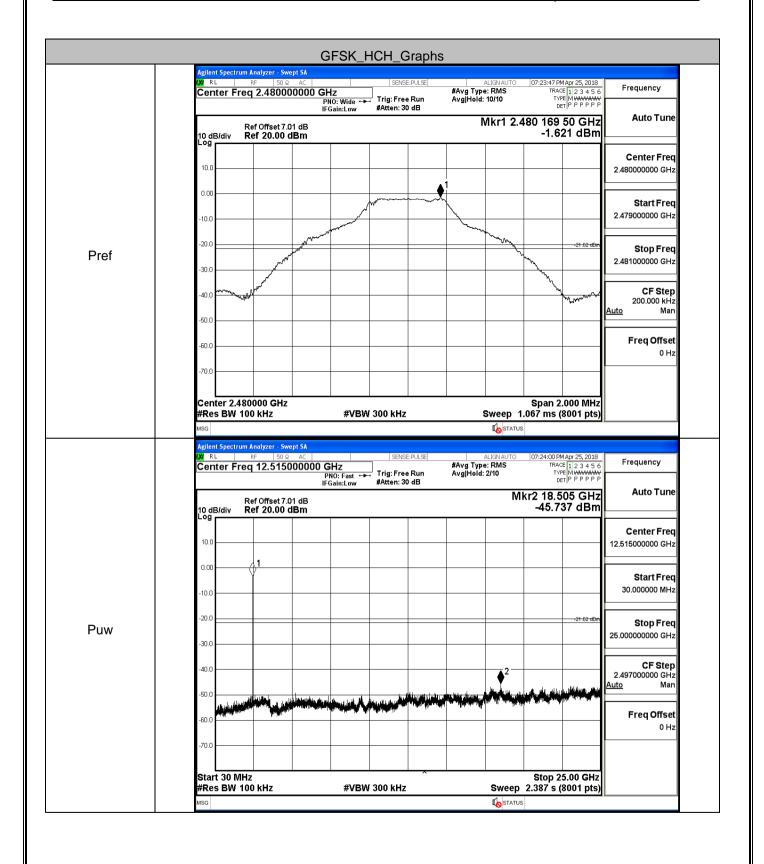
Stop 25.00 GHz Sweep 2.387 s (8001 pts)

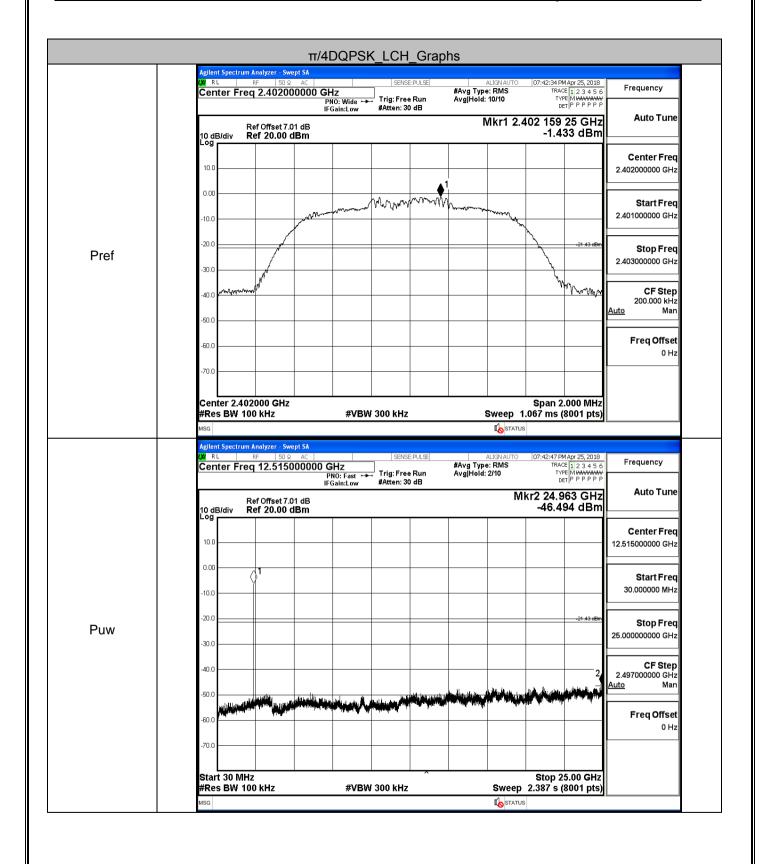
STATUS

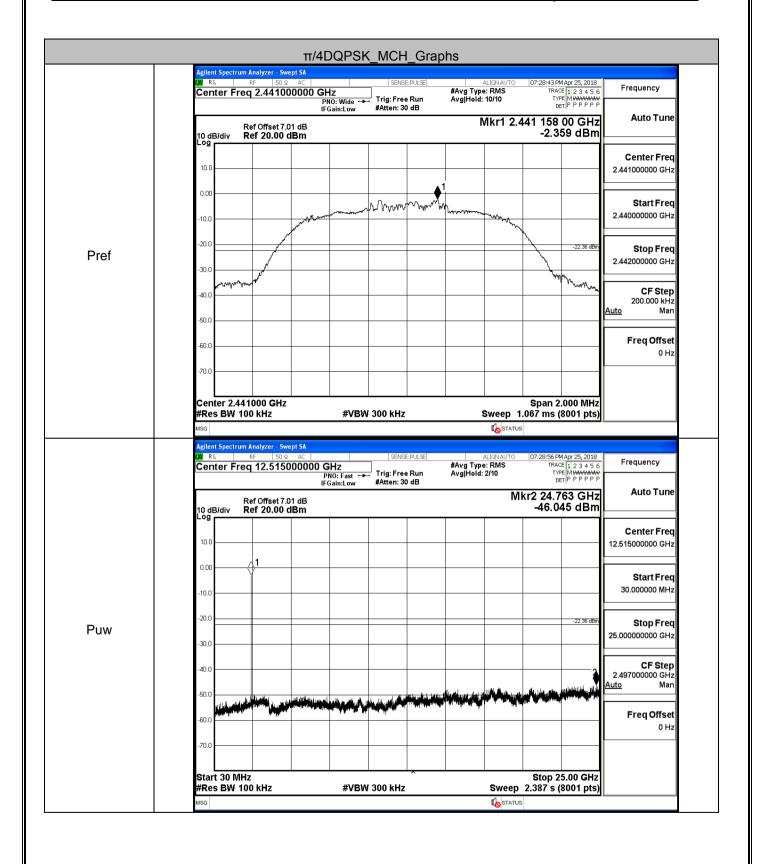
-70.0

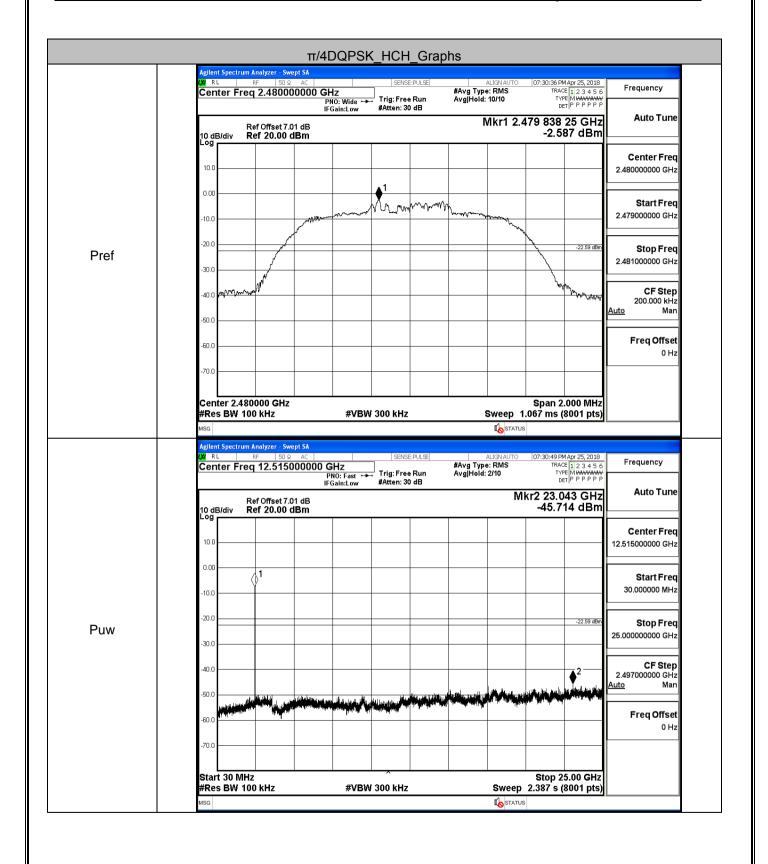
Start 30 MHz #Res BW 100 kHz

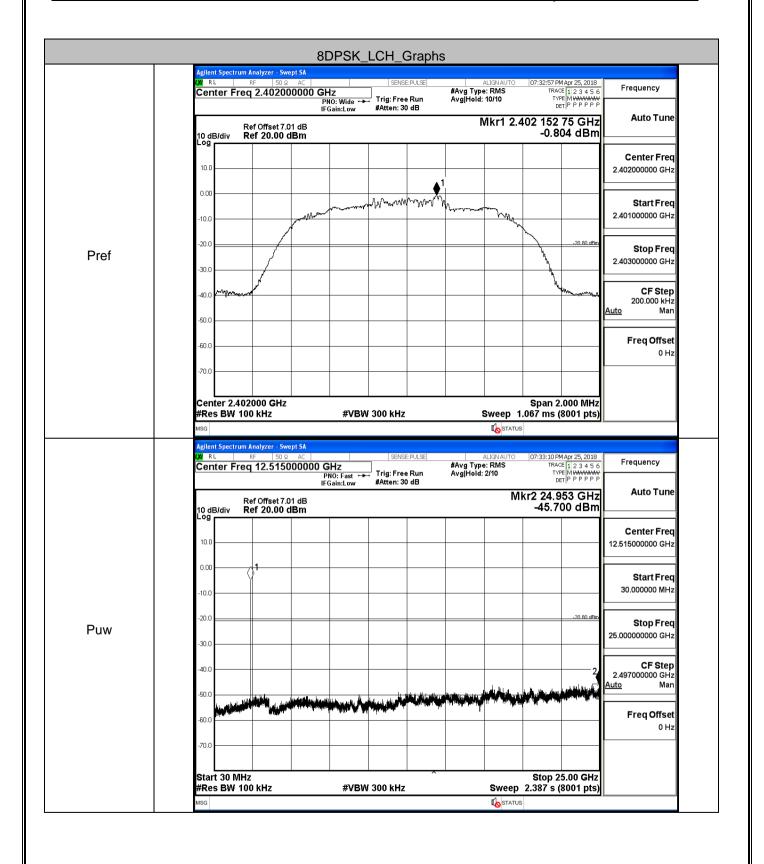


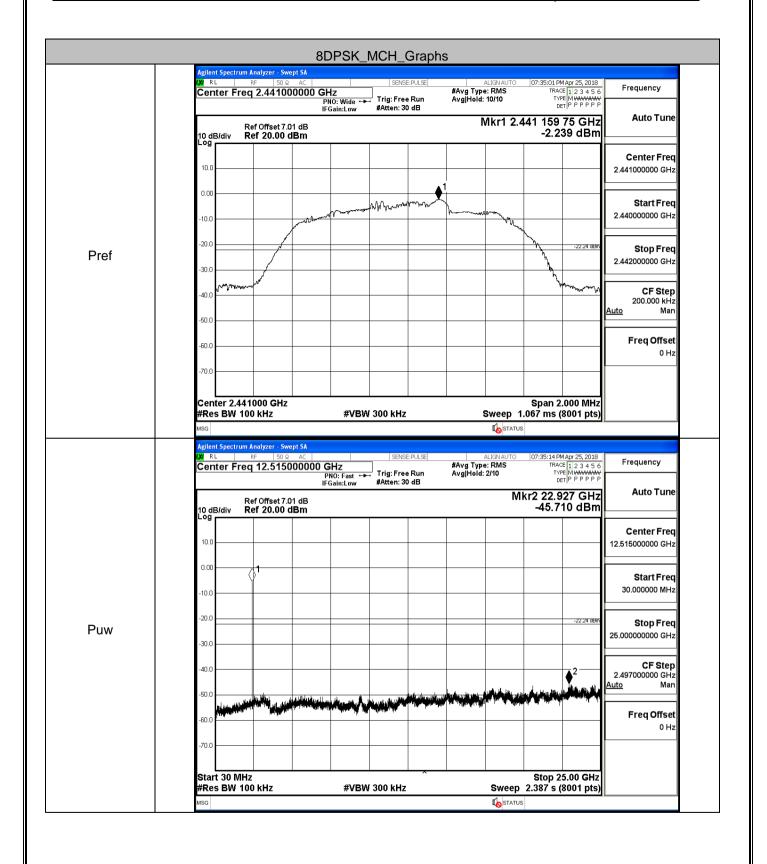


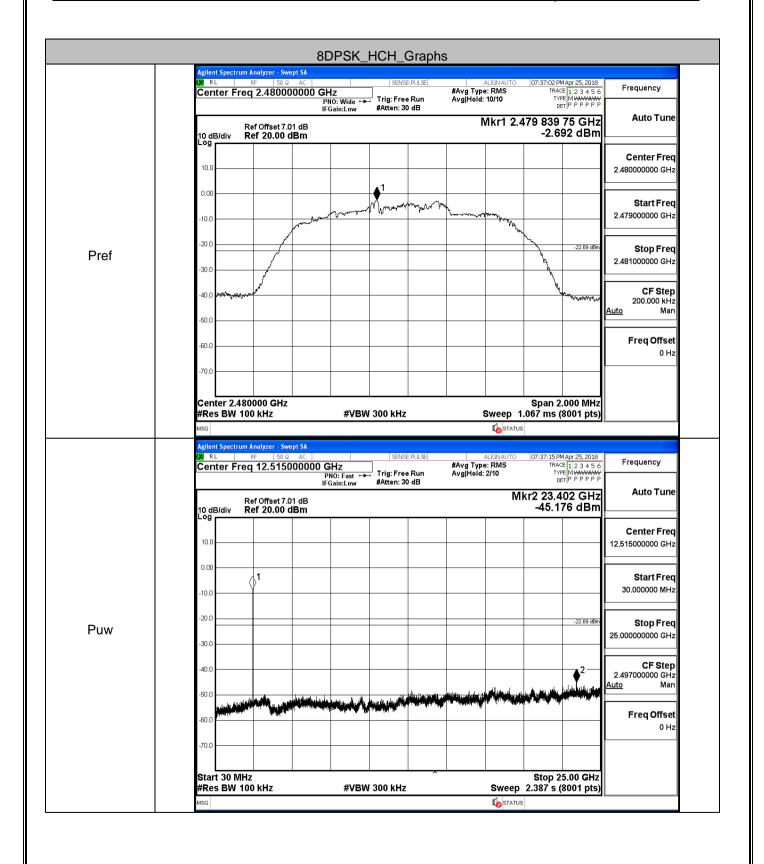






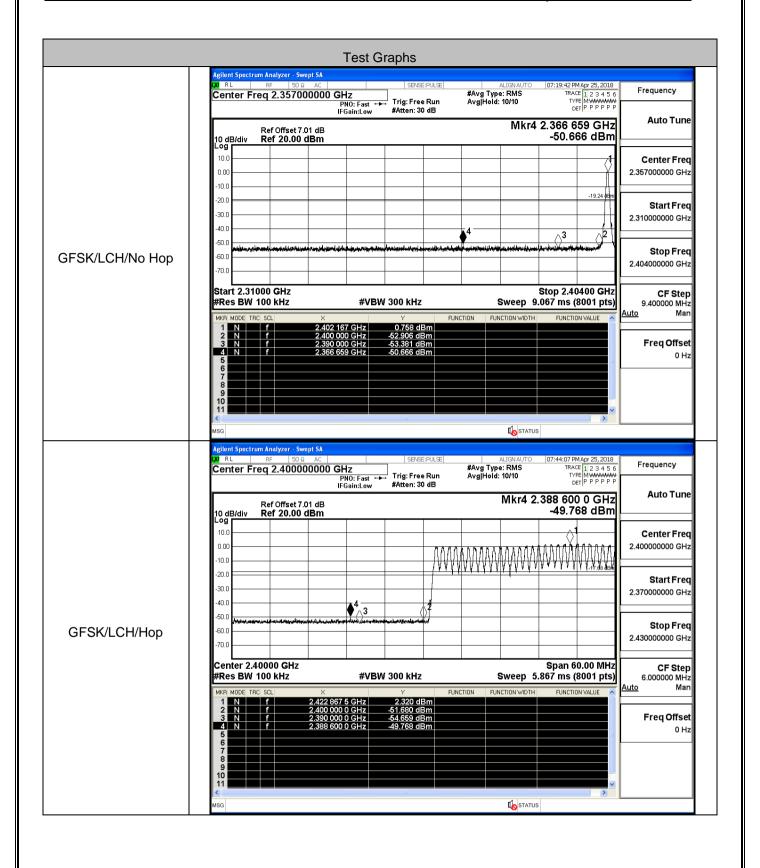






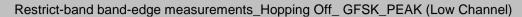
A.7 Band-edge for RF Conducted Emissions

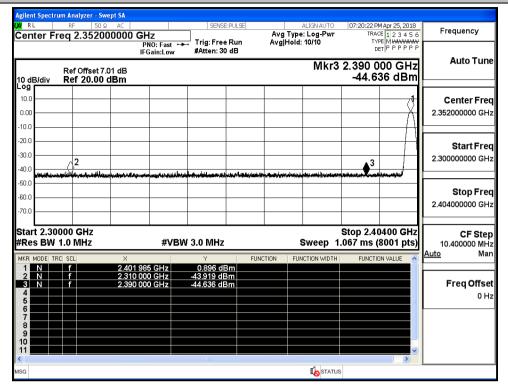
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict						
			0.758	Off	-50.666	-19.24	PASS						
0.501/	LCH	2402	2.320	On	-49.768	-17.68	PASS						
GFSK	нсн		-1.426	Off	-50.373	-21.43	PASS						
		2480	1.766	On	-50.731	-18.23	PASS						
	LCH								-0.823	Off	-51.262	-20.82	PASS
		2402	0.816	On	-50.472	-19.18	PASS						
π/4DQPSK	нсн		-2.513	Off	-51.151	-22.51	PASS						
		2480	0.377	On	-50.012	-19.62	PASS						
			-0.829	Off	-50.871	-20.83	PASS						
	LCH	2402	0.958	On	-50.070	-19.04	PASS						
8DPSK			-2.750	Off	-50.634	-22.75	PASS						
	HCH	2480	0.494	On	-49.242	-19.51	PASS						



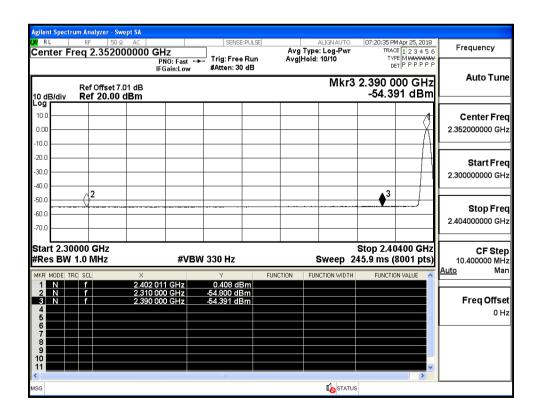
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.92	2.0	0	53.34	PEAK	74	PASS
	Off	2310.0	-54.80	2.0	0	42.46	AV	54	PASS
	Off	2390.0	-44.64	2.0	0	52.62	PEAK	74	PASS
	Off	2390.0	-54.39	2.0	0	42.87	AV	54	PASS
GFSK	Off	2483.5	-43.17	2.0	0	54.09	PEAK	74	PASS
	Off	2483.5	-54.16	2.0	0	43.10	AV	54	PASS
	Off	2500.0	-43.77	2.0	0	53.49	PEAK	74	PASS
	Off	2500.0	-54.14	2.0	0	43.12	AV	54	PASS
	Off	2310.0	-45.04	2.0	0	52.21	PEAK	74	PASS
	Off	2310.0	-54.73	2.0	0	42.53	AV	54	PASS
	Off	2390.0	-45.06	2.0	0	52.20	PEAK	74	PASS
	Off	2390.0	-54.55	2.0	0	42.71	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.81	2.0	0	53.44	PEAK	74	PASS
	Off	2483.5	-54.21	2.0	0	43.05	AV	54	PASS
	Off	2500.0	-43.91	2.0	0	53.35	PEAK	74	PASS
	Off	2500.0	-54.06	2.0	0	43.20	AV	54	PASS
	Off	2310.0	-43.32	2.0	0	53.93	PEAK	74	PASS
	Off	2310.0	-54.73	2.0	0	42.53	AV	54	PASS
	Off	2390.0	-44.51	2.0	0	52.75	PEAK	74	PASS
	Off	2390.0	-54.58	2.0	0	42.68	AV	54	PASS
8DPSK	Off	2483.5	-43.64	2.0	0	53.62	PEAK	74	PASS
	Off	2483.5	-54.18	2.0	0	43.08	AV	54	PASS
	Off	2500.0	-43.93	2.0	0	53.32	PEAK	74	PASS
	Off	2500.0	-54.12	2.0	0	43.14	AV	54	PASS

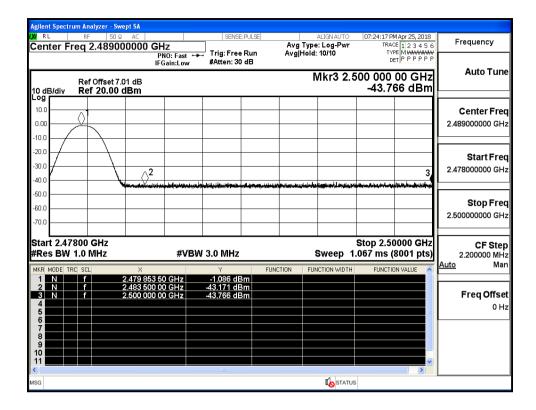




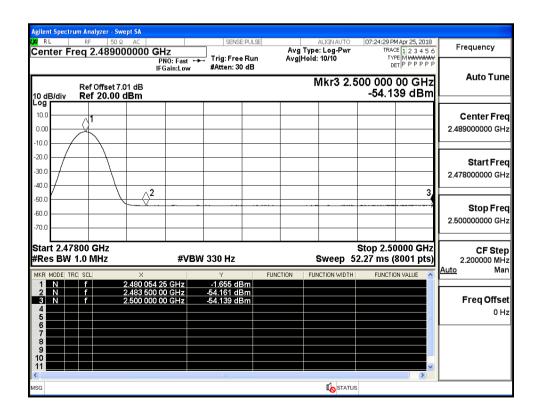
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



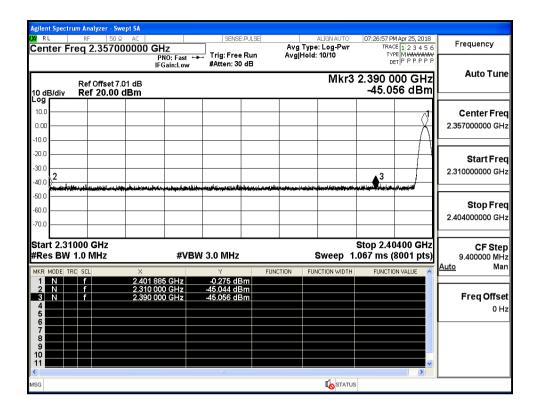
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



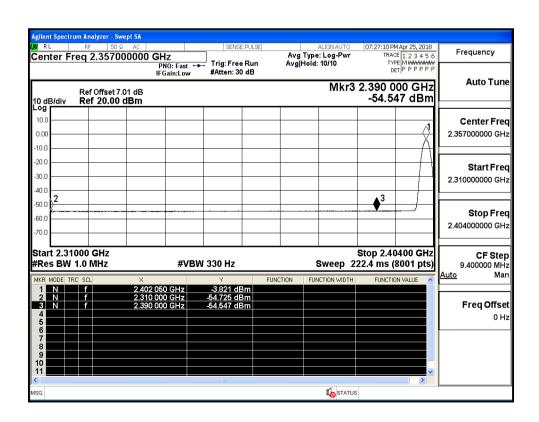
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



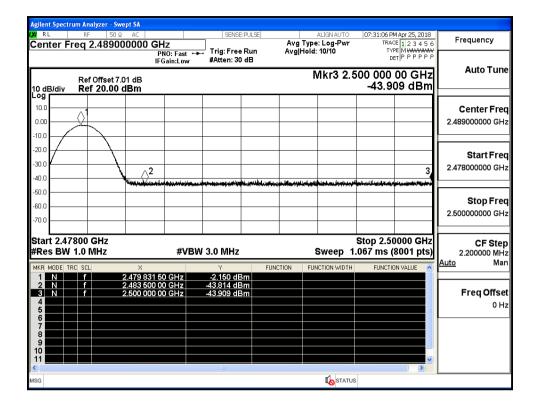
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



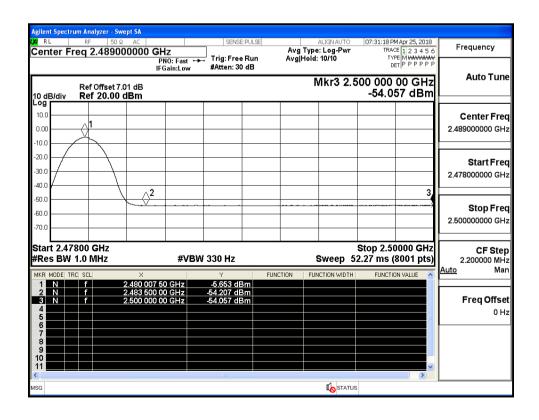
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



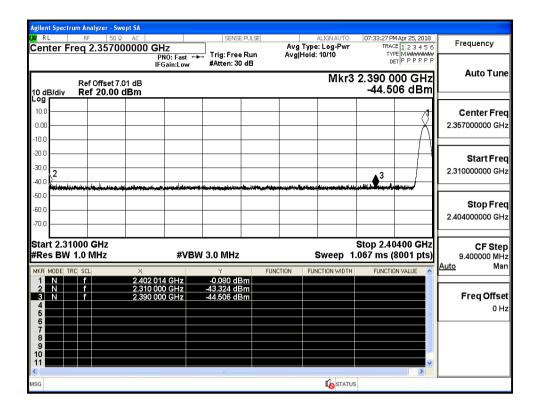
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



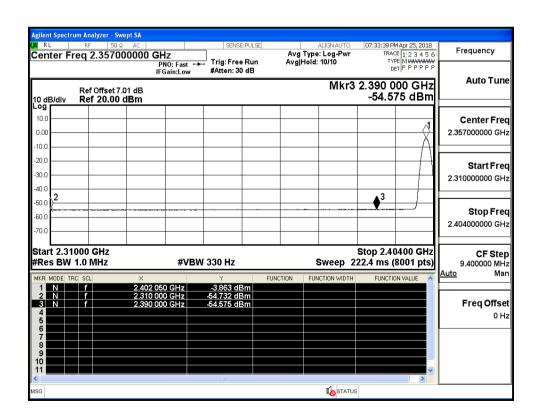
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



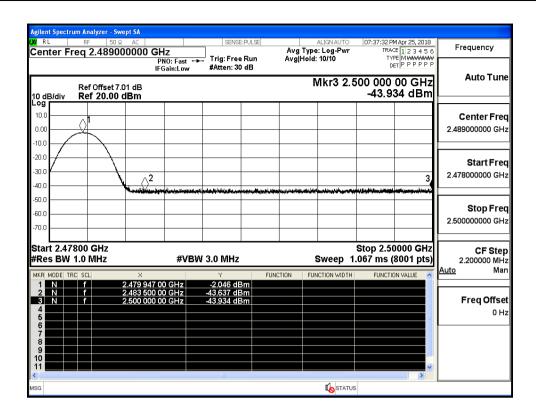
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

