Appendix A

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

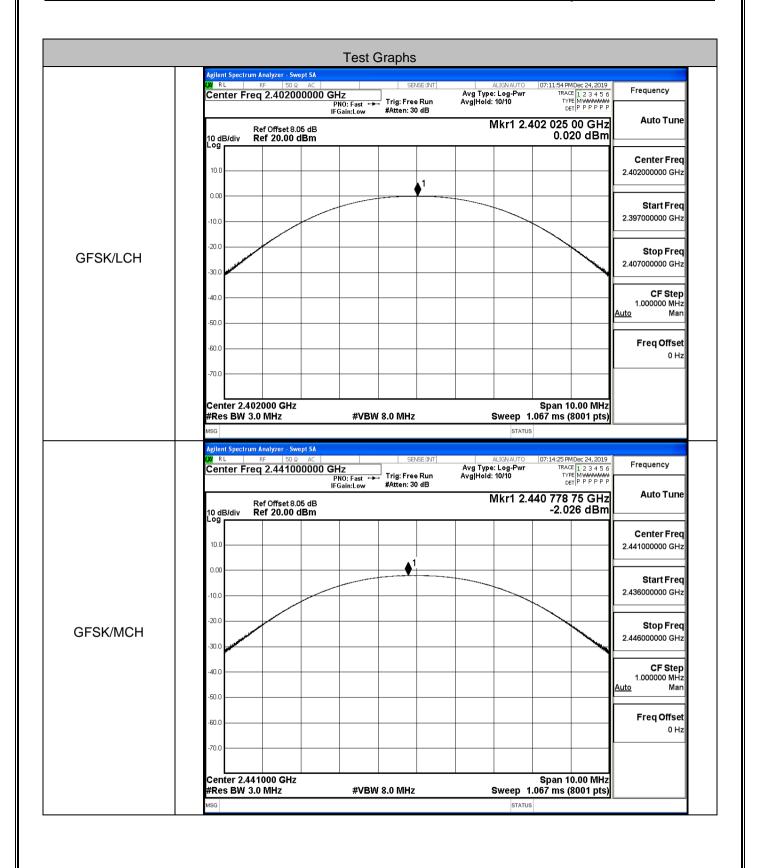
Product Name: Smartphone Trade Mark: Hyundai Test Model: Eternity G50W

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.1%
ATM Pressure:	100.0kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

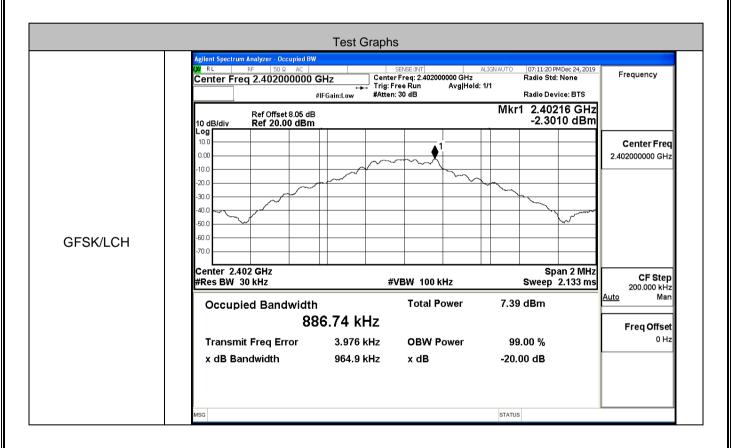
A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.020	21	PASS
GFSK	MCH	-2.026	21	PASS
	НСН	-0.835	21	PASS
	LCH	-0.774	21	PASS
π/4DQPSK	MCH	-2.688	21	PASS
	HCH	-1.533	21	PASS
	LCH	-0.598	21	PASS
8DPSK	8DPSK MCH -2.457		21	PASS
	HCH	-1.351	21	PASS



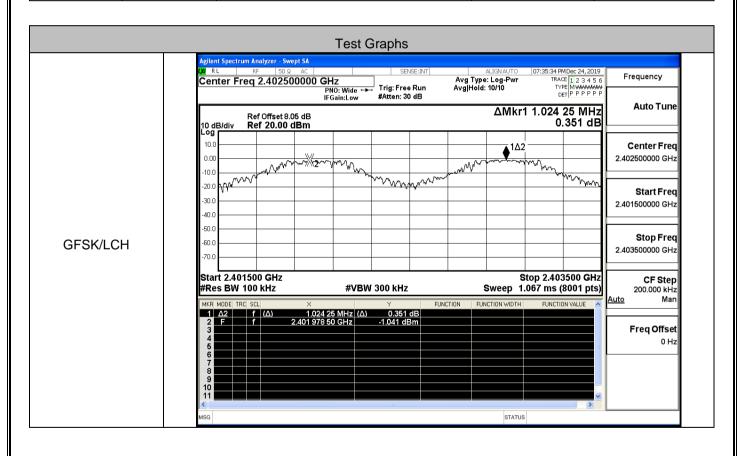
A.2 20dB Bandwidth

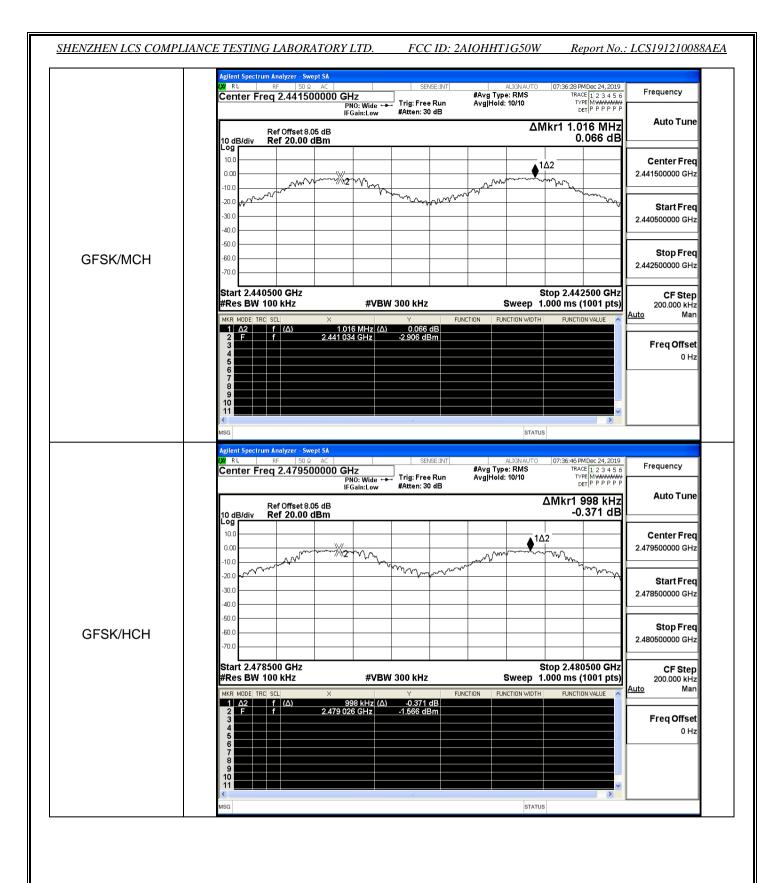
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9649	Not Specified	PASS
GFSK	MCH	1.022	Not Specified	PASS
	НСН	1.025	Not Specified	PASS
	LCH	1.288	Not Specified	PASS
π/4DQPSK	MCH	1.320	Not Specified	PASS
	НСН	1.291	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
8DPSK	MCH	1.298	Not Specified	PASS
	HCH	1.294	Not Specified	PASS

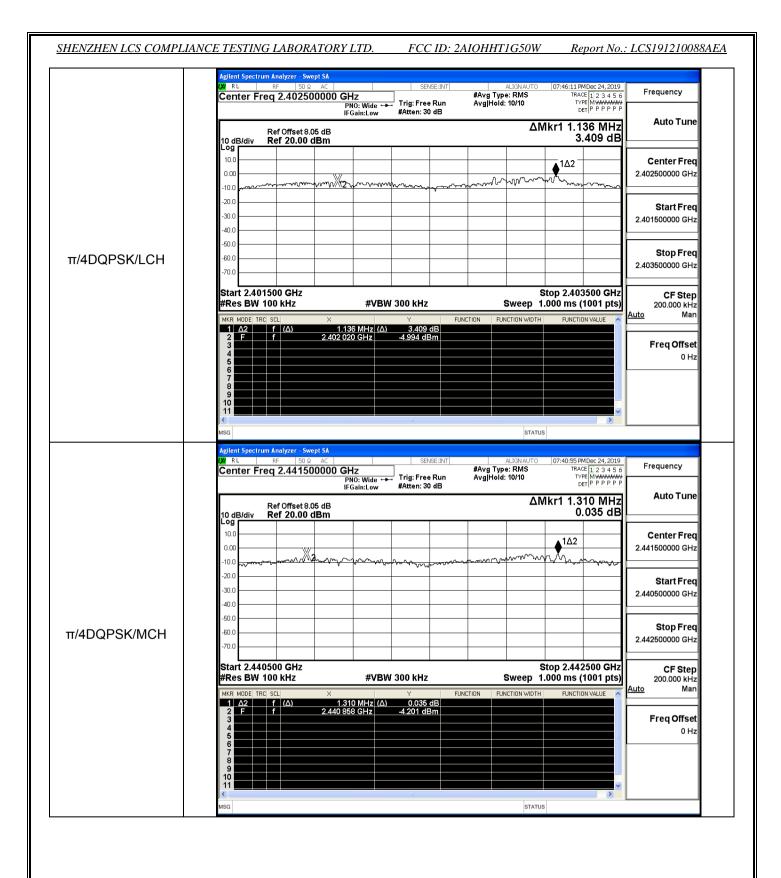


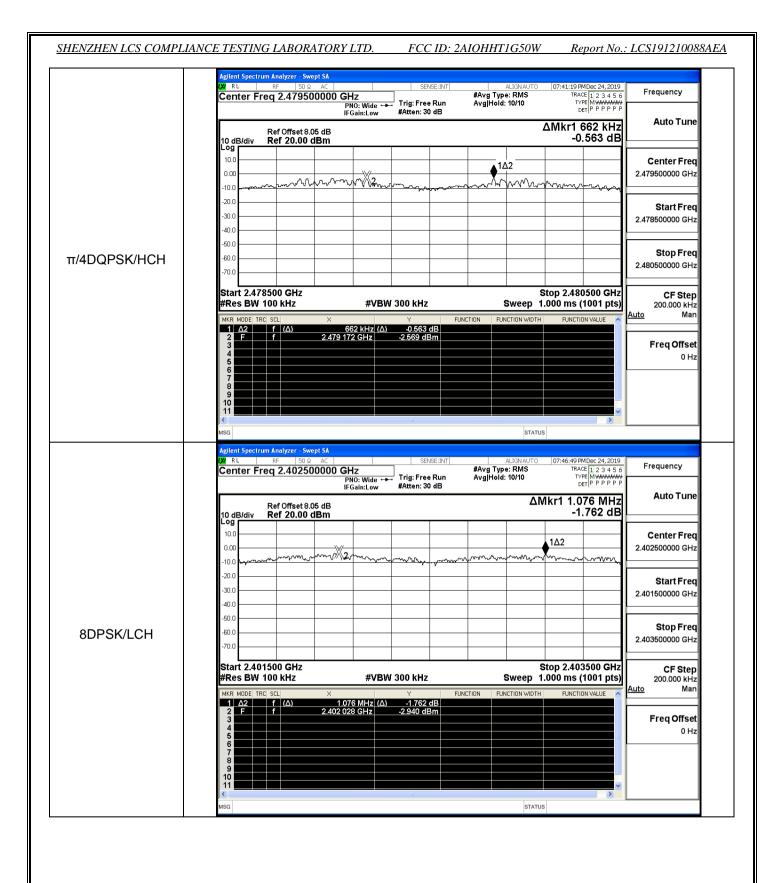
A.3 Carrier Frequency Separation

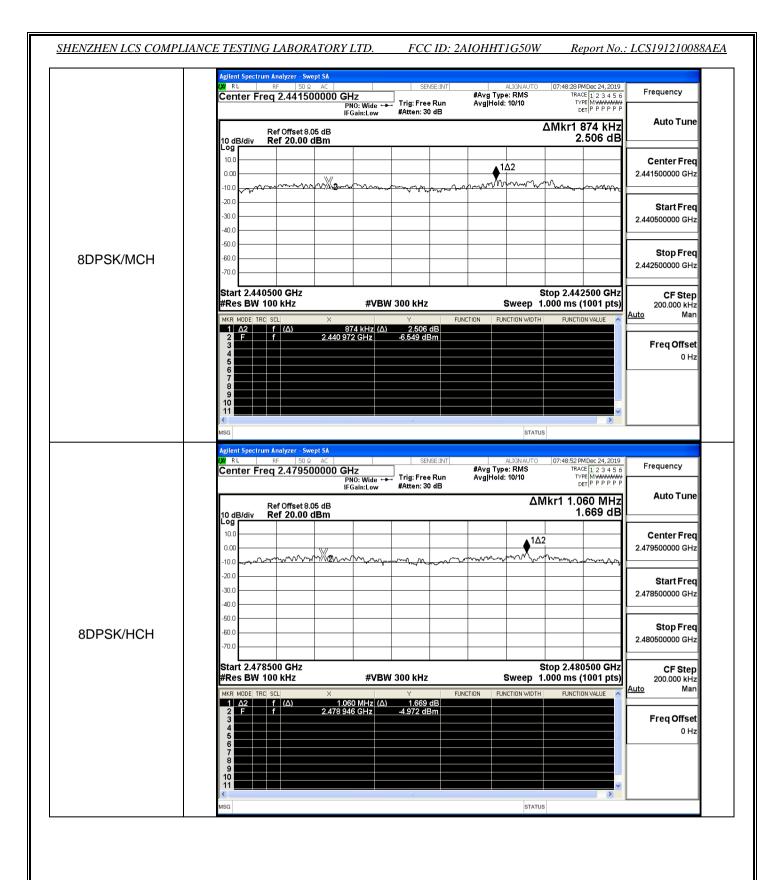
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.024	0.683	PASS
GFSK	MCH	1.016	0.683	PASS
	HCH	0.998	0.683	PASS
	LCH	1.136	0.880	PASS
π/4DQPSK	MCH	1.310	0.880	PASS
	HCH	0.662	0.880	PASS
8DPSK	LCH	1.076	0.865	PASS
	BDPSK MCH 0.874		0.865	PASS
	HCH	1.060	0.865	PASS





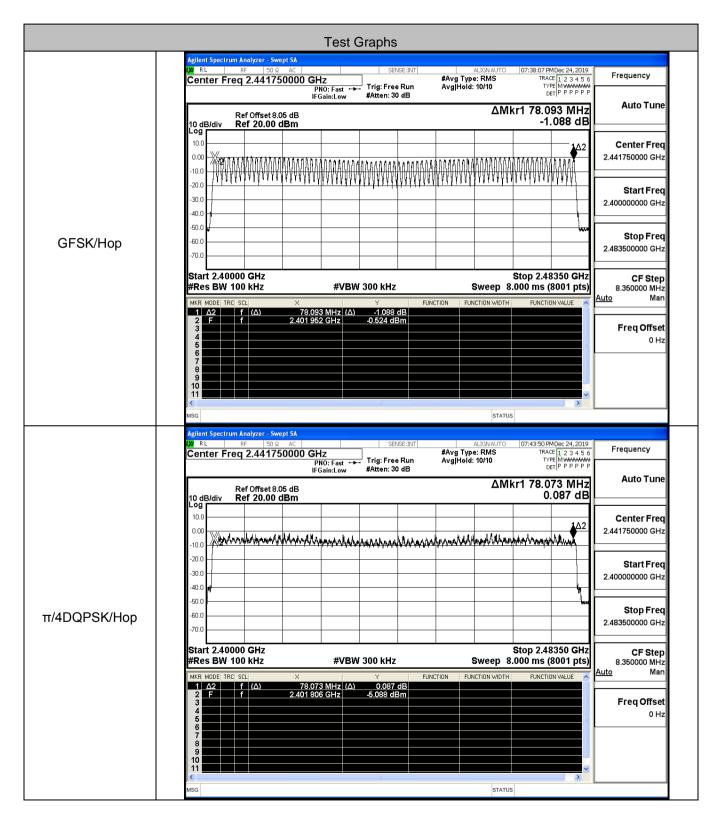


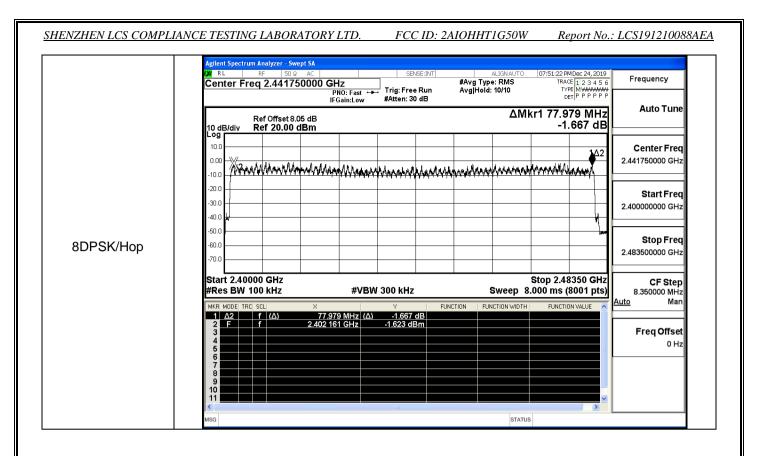




A.4 Hopping Channel Number

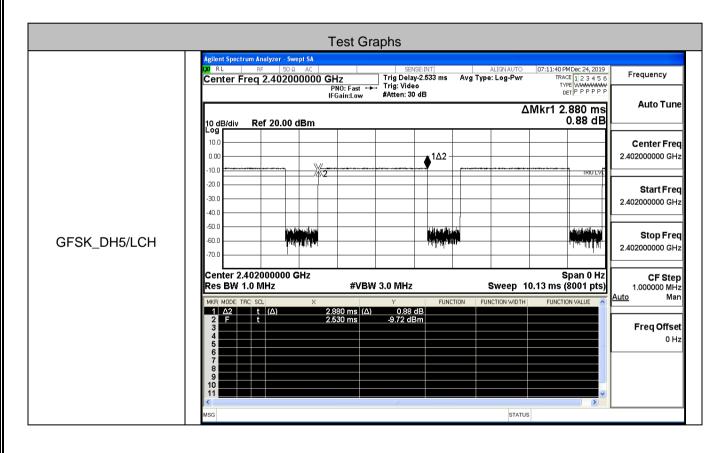
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

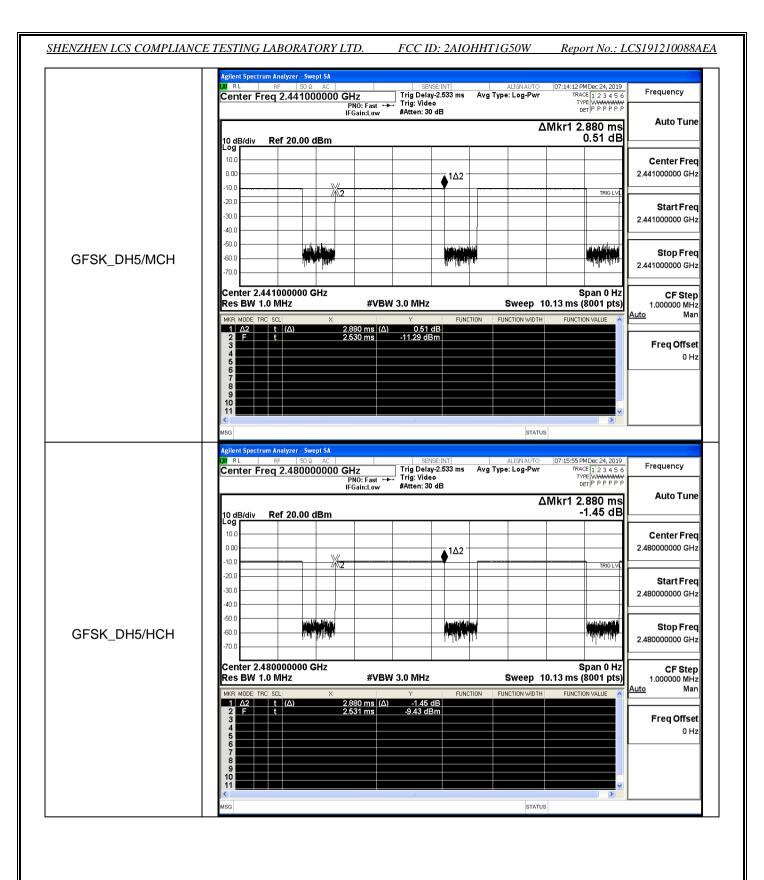


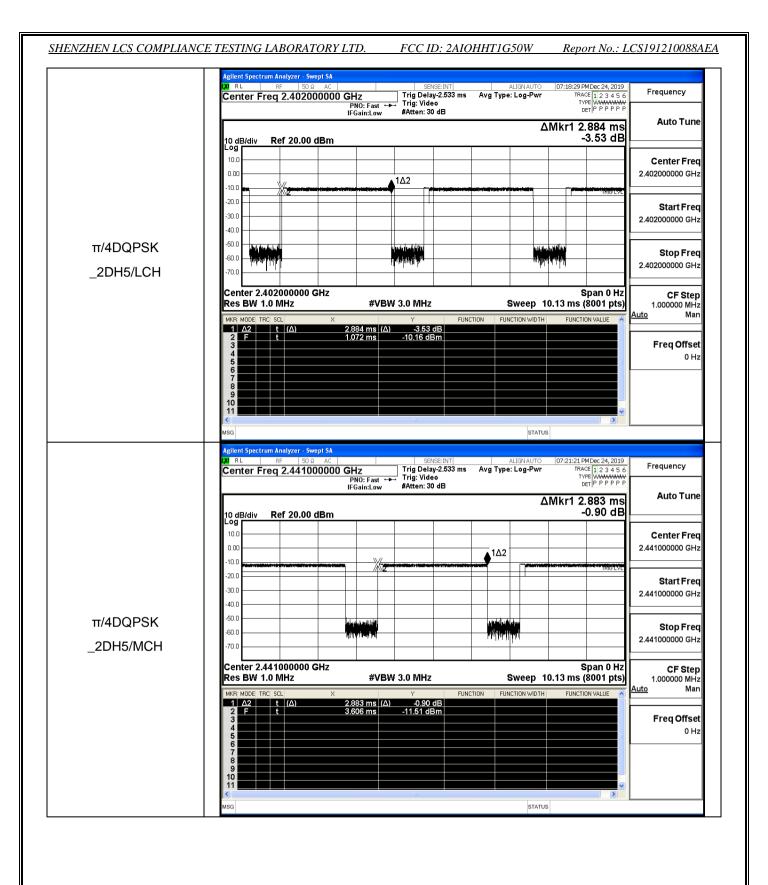


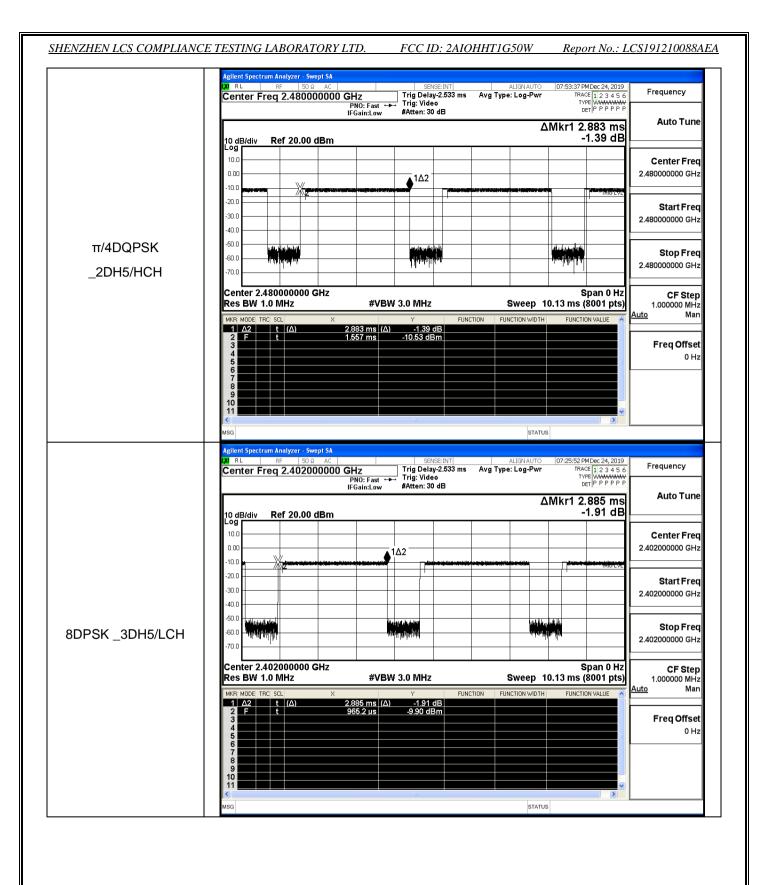
A.5 Dwell Time

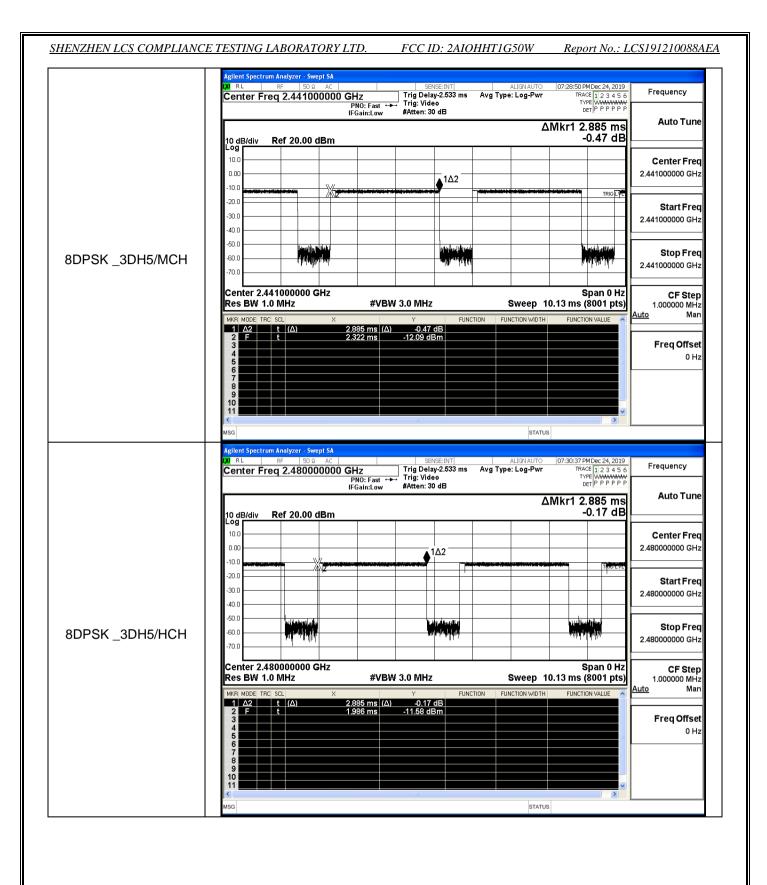
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.88	106.7	0.308	0.4	PASS
	3DH5	MCH	2.88	106.7	0.308	0.4	PASS
	3DH5	HCH	2.88	106.7	0.308	0.4	PASS





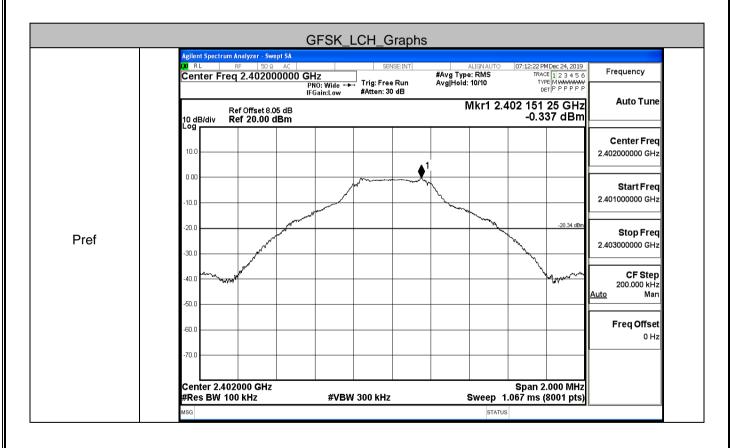




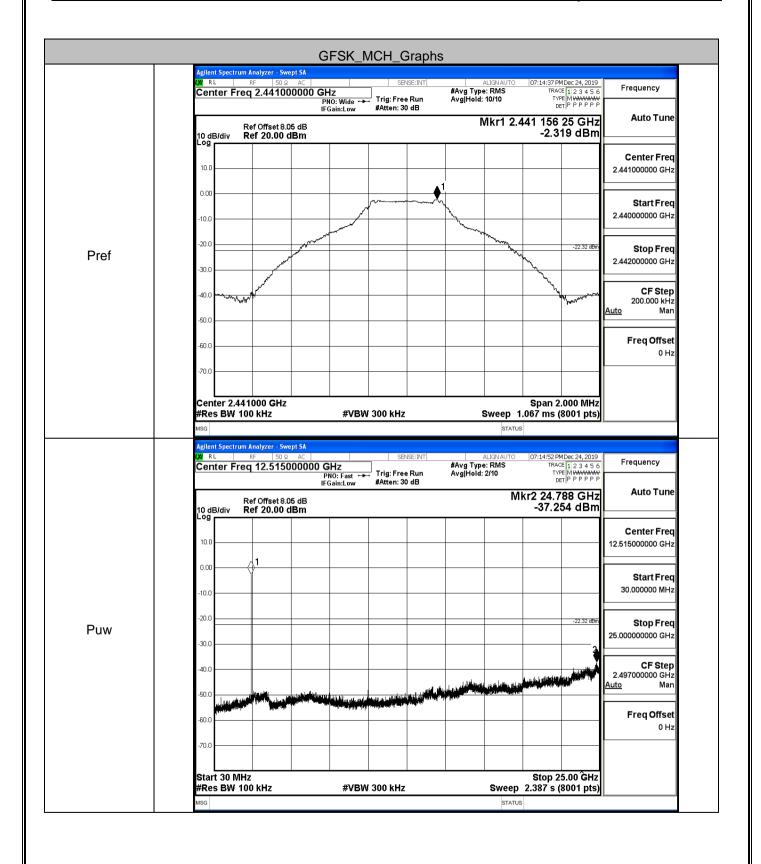


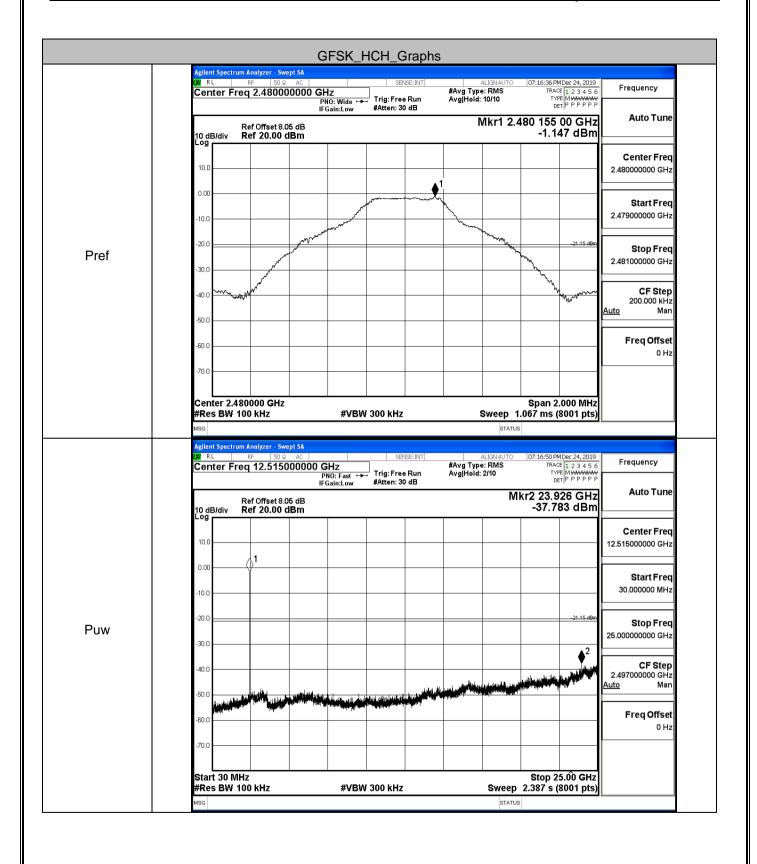
A.6 RF Conducted Spurious Emissions

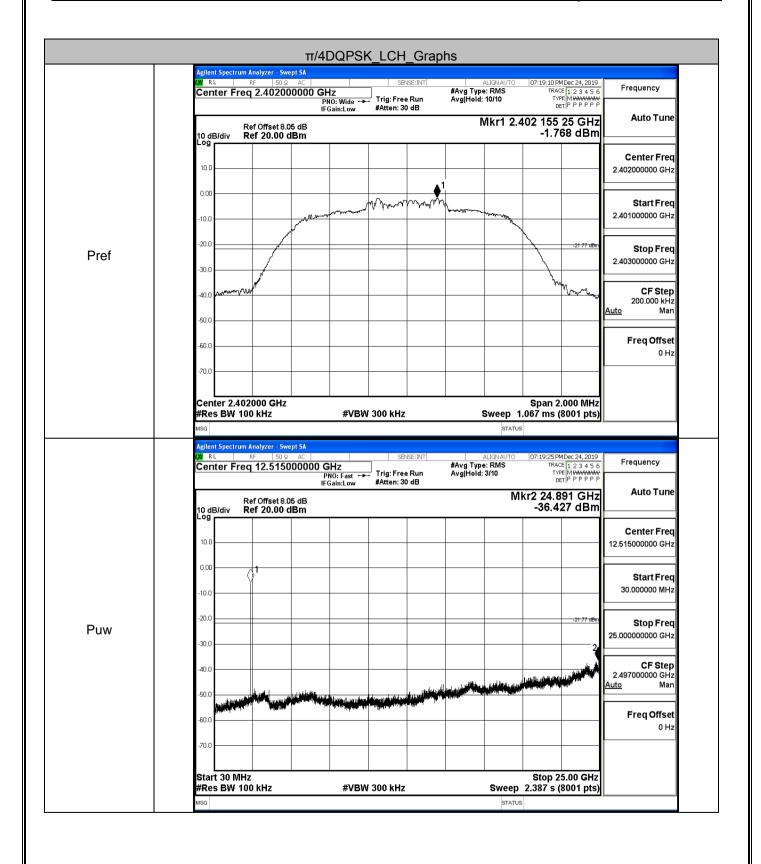
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.337	-37.469	-20.337	PASS
GFSK	MCH	-2.319	-37.254	-22.319	PASS
	НСН	-1.147	-37.783	-21.147	PASS
	LCH	-1.768	-36.427	-21.768	PASS
π/4DQPSK	MCH	-3.574	-36.911	-23.574	PASS
	НСН	-2.376	-37.145	-22.376	PASS
	LCH	-1.657	-37.548	-21.657	PASS
8DPSK	MCH	-3.534	-37.647	-23.534	PASS
	HCH	-2.492	-37.974	-22.492	PASS

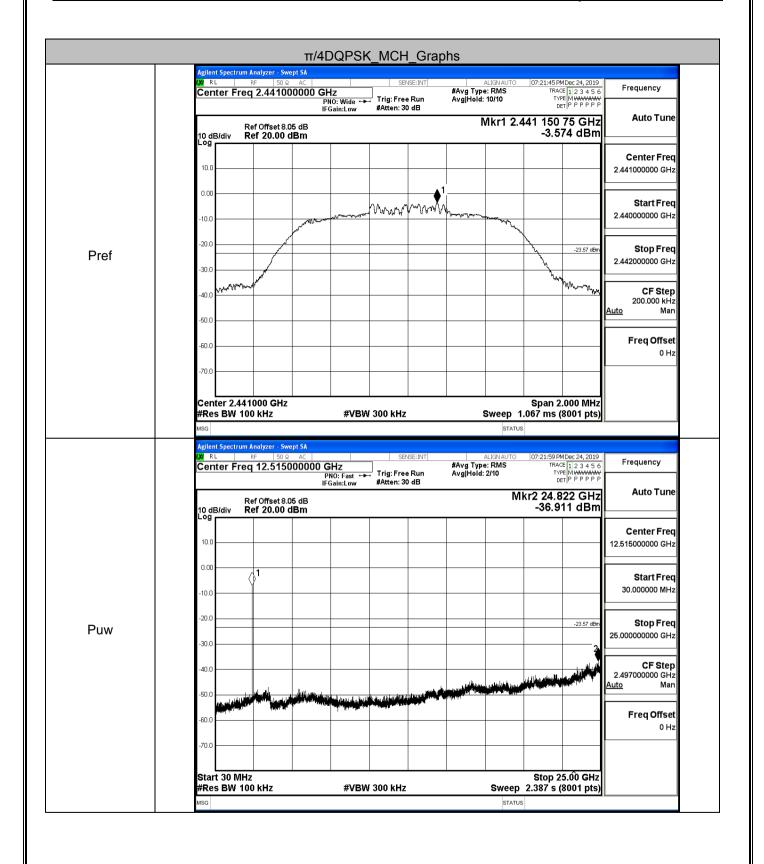


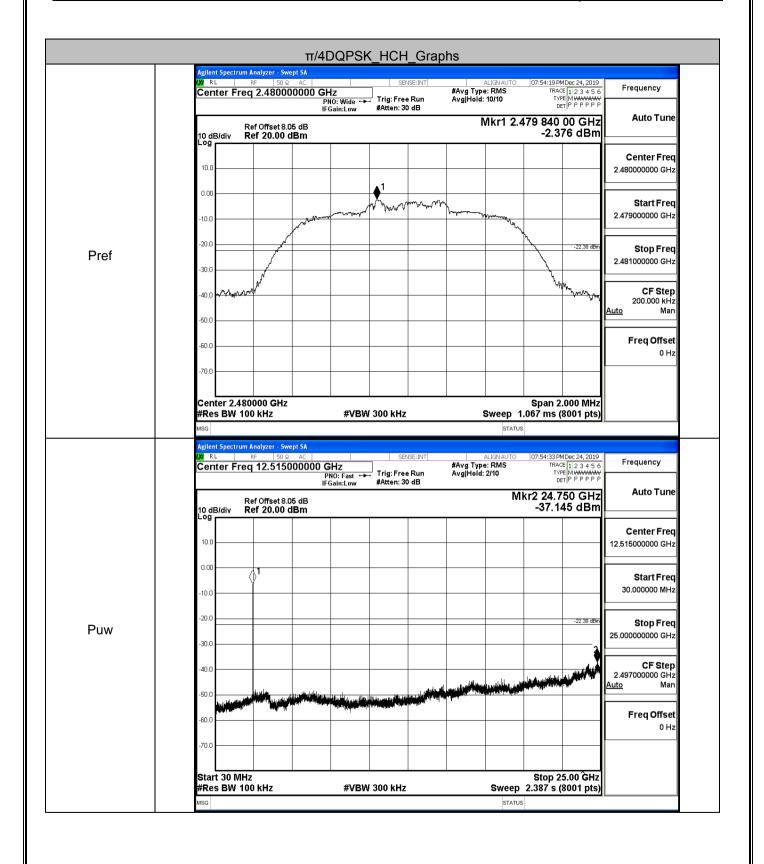
STATUS

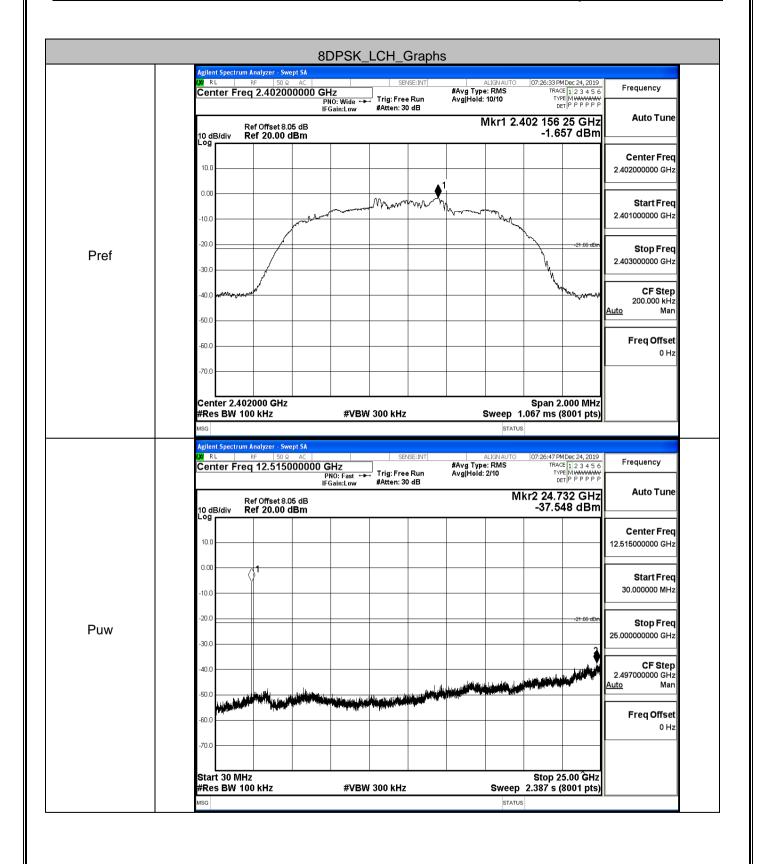


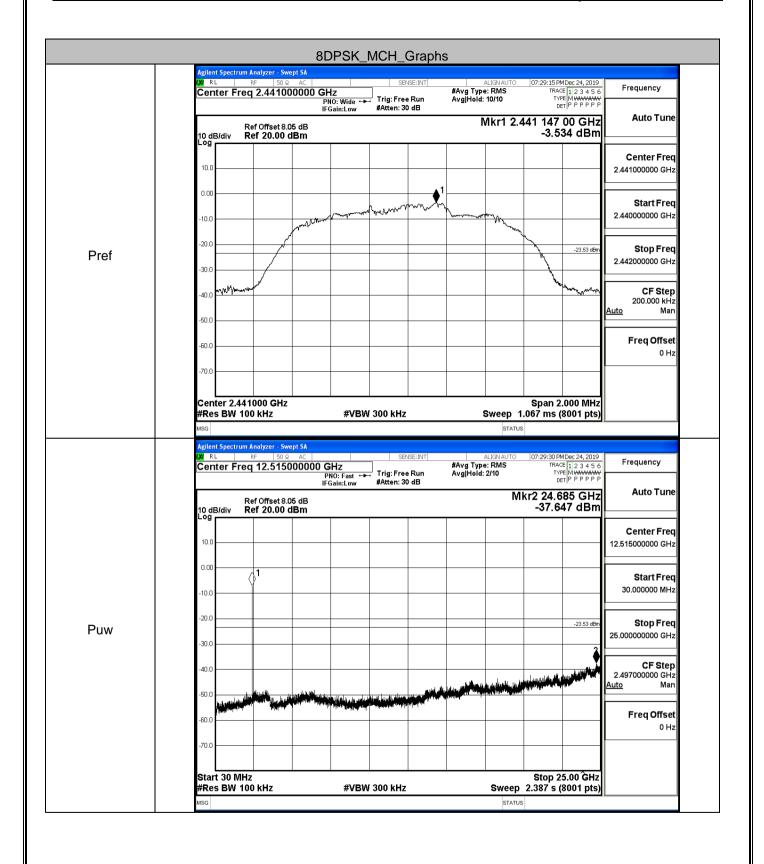


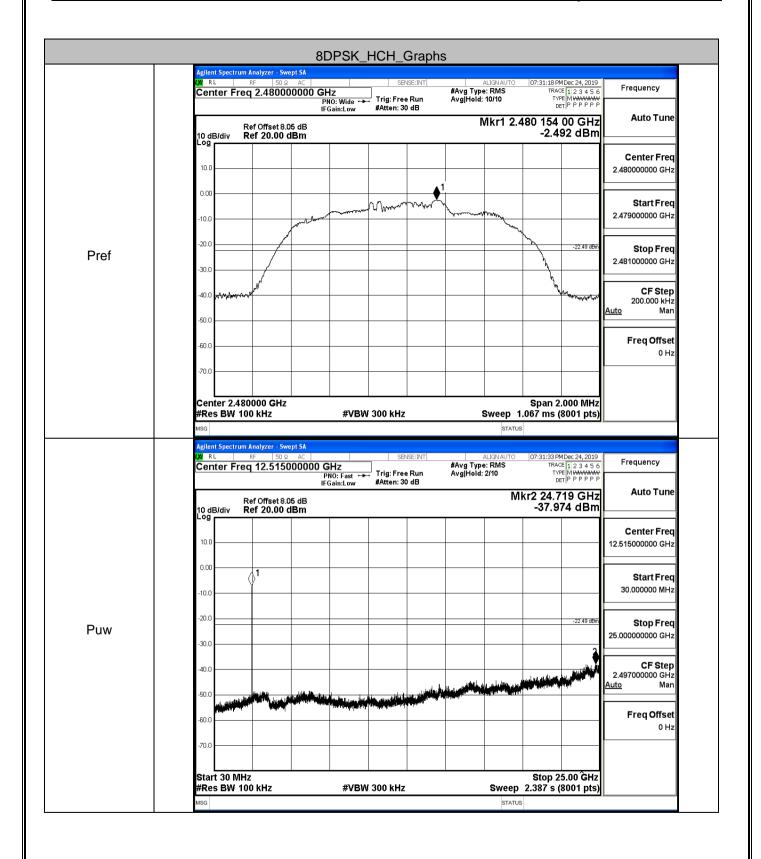






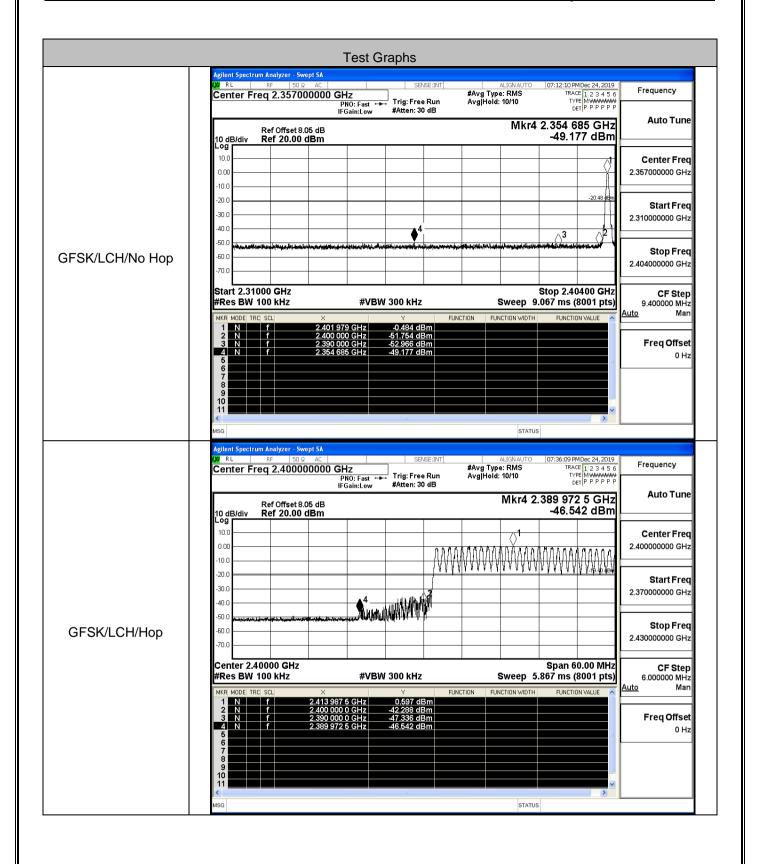


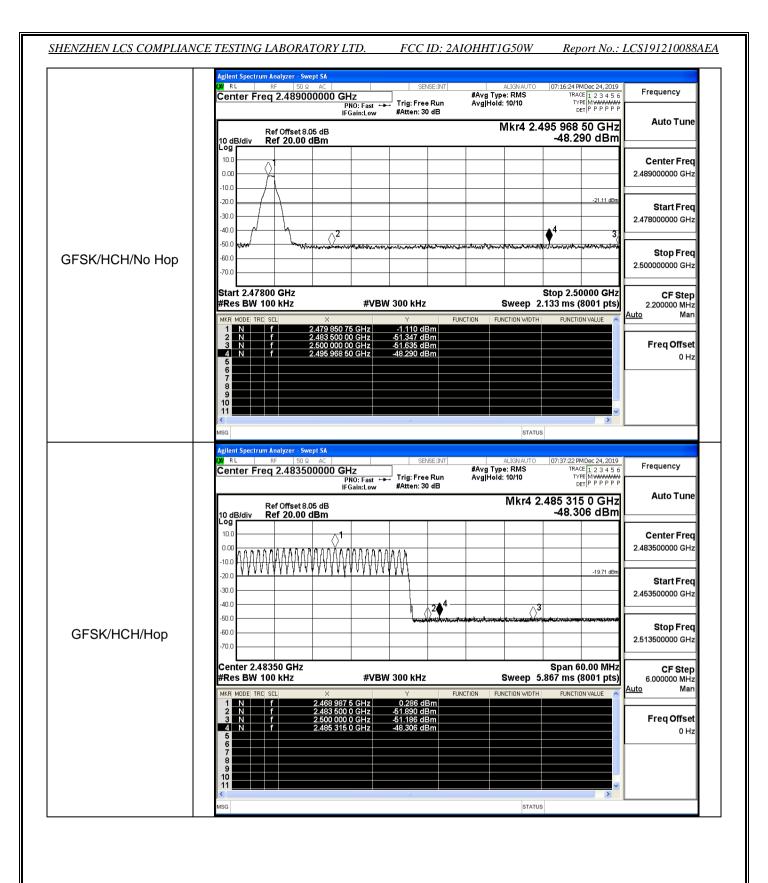


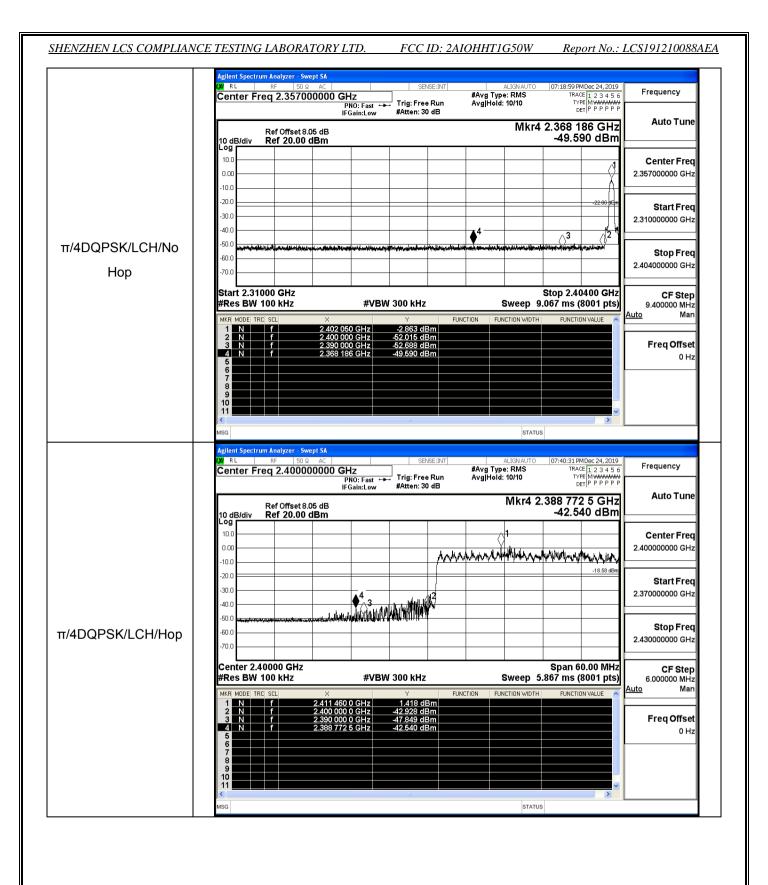


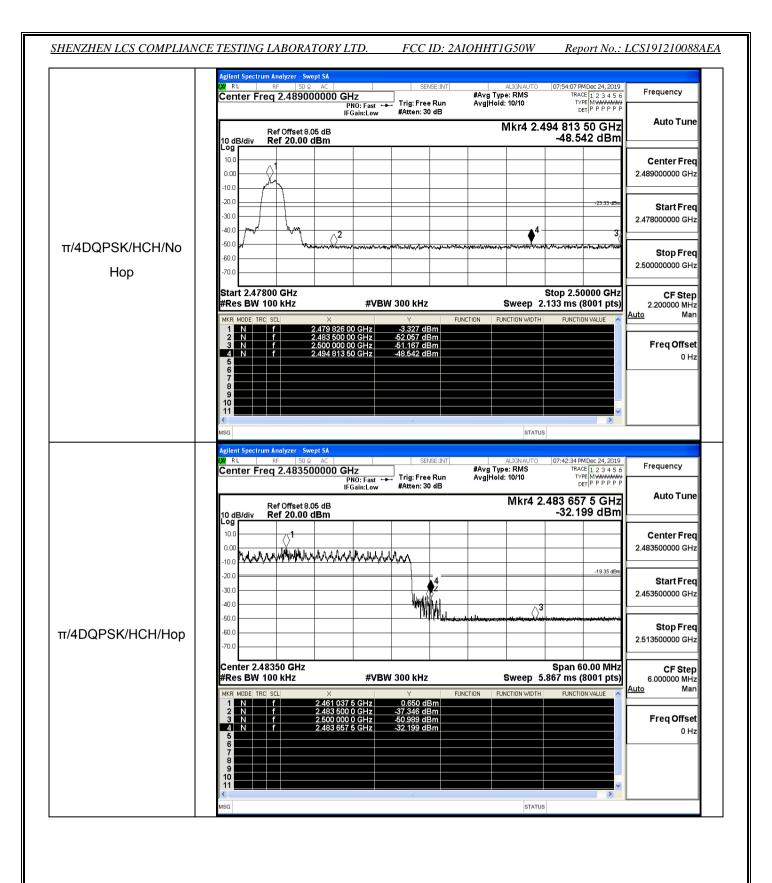
A.7 Band-edge for RF Conducted Emissions

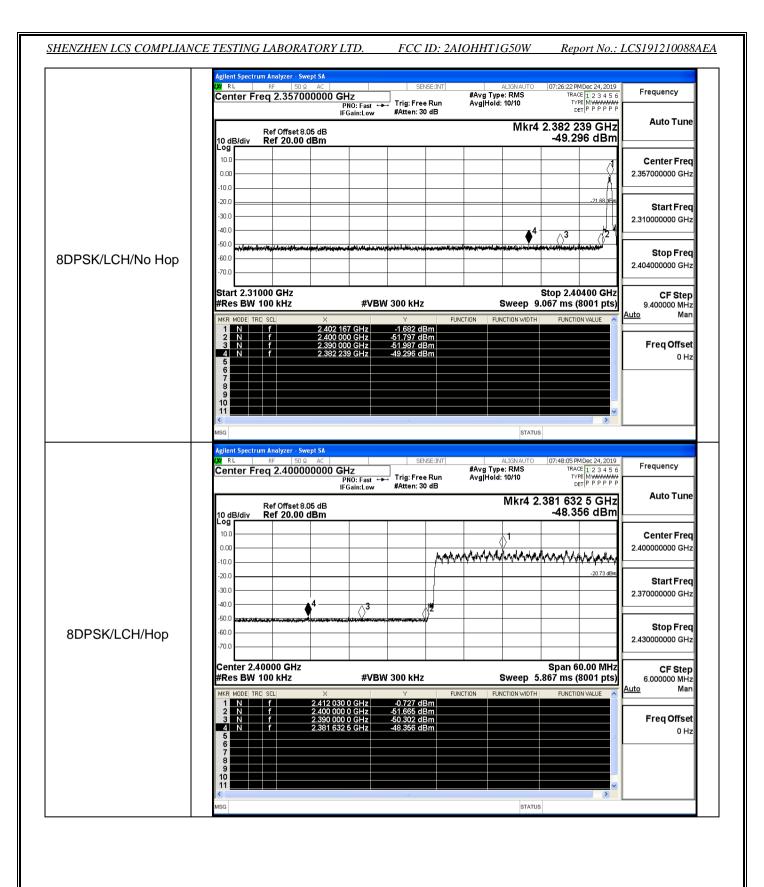
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict			
			-0.484	Off	-49.177	-20.48	PASS			
2-21/	LCH	2402	0.597	On	-46.542	-19.4	PASS			
GFSK	НСН			-1.110	Off	-48.290	-21.11	PASS		
		2480	0.286	On	-48.306	-19.71	PASS			
	LCH					-2.863	Off	-49.590	-22.86	PASS
		2402	1.418	On	-42.540	-18.58	PASS			
π/4DQPSK	нсн		-3.327	Off	-48.542	-23.33	PASS			
		2480	0.650	On	-32.199	-19.35	PASS			
			-1.682	Off	-49.296	-21.68	PASS			
	LCH	2402	-0.727	On	-48.356	-20.73	PASS			
8DPSK			-2.428	Off	-49.182	-22.43	PASS			
	HCH	2480	3.149	On	-34.950	-16.85	PASS			

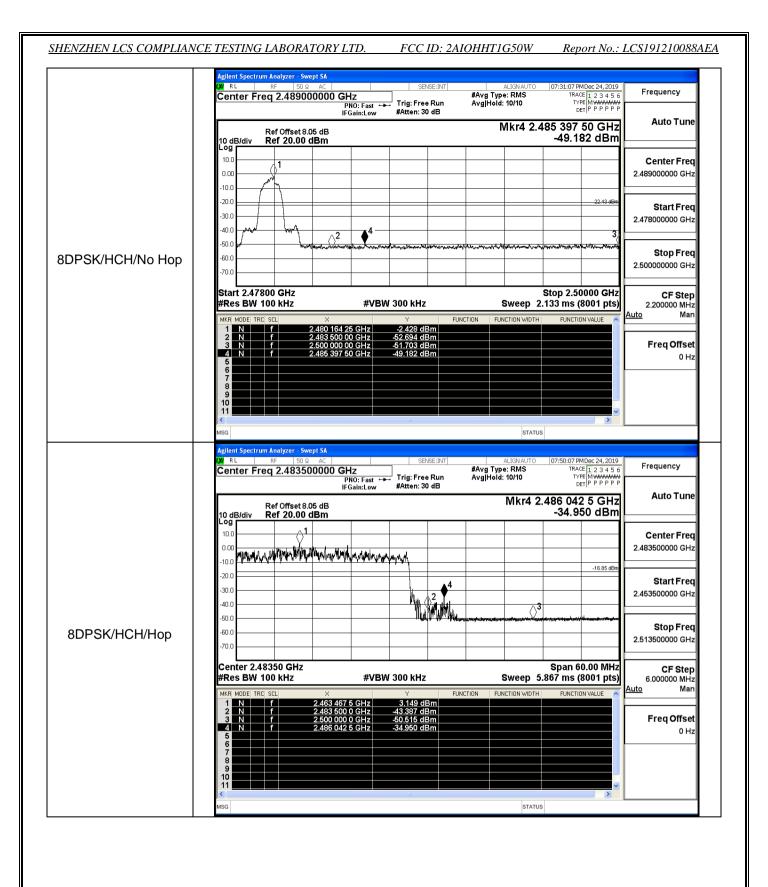






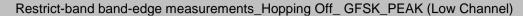


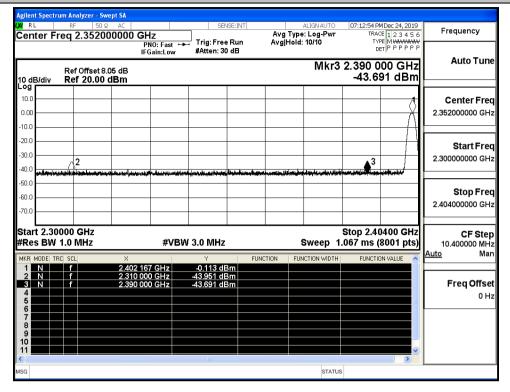




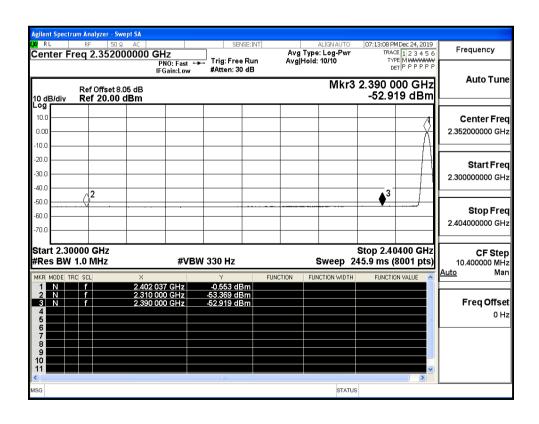
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.95	2.0	0	53.28	PEAK	74	PASS
	Off	2310.0	-53.37	2.0	0	43.86	AV	54	PASS
	Off	2390.0	-43.69	2.0	0	53.54	PEAK	74	PASS
	Off	2390.0	-52.92	2.0	0	44.31	AV	54	PASS
GFSK	Off	2483.5	-41.60	2.0	0	55.63	PEAK	74	PASS
	Off	2483.5	-52.44	2.0	0	44.79	AV	54	PASS
	Off	2500.0	-41.67	2.0	0	55.56	PEAK	74	PASS
	Off	2500.0	-52.35	2.0	0	44.88	AV	54	PASS
	Off	2310.0	-42.75	2.0	0	54.48	PEAK	74	PASS
	Off	2310.0	-53.20	2.0	0	44.03	AV	54	PASS
	Off	2390.0	-41.50	2.0	0	55.73	PEAK	74	PASS
	Off	2390.0	-52.93	2.0	0	44.30	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.10	2.0	0	54.13	PEAK	74	PASS
	Off	2483.5	-52.19	2.0	0	45.04	AV	54	PASS
	Off	2500.0	-41.99	2.0	0	55.24	PEAK	74	PASS
	Off	2500.0	-52.24	2.0	0	44.99	AV	54	PASS
	Off	2310.0	-43.51	2.0	0	53.72	PEAK	74	PASS
	Off	2310.0	-53.43	2.0	0	43.80	AV	54	PASS
	Off	2390.0	-42.18	2.0	0	55.05	PEAK	74	PASS
	Off	2390.0	-52.89	2.0	0	44.34	AV	54	PASS
8DPSK	Off	2483.5	-42.05	2.0	0	55.18	PEAK	74	PASS
	Off	2483.5	-52.49	2.0	0	44.74	AV	54	PASS
	Off	2500.0	-42.08	2.0	0	55.15	PEAK	74	PASS
	Off	2500.0	-52.29	2.0	0	44.94	AV	54	PASS

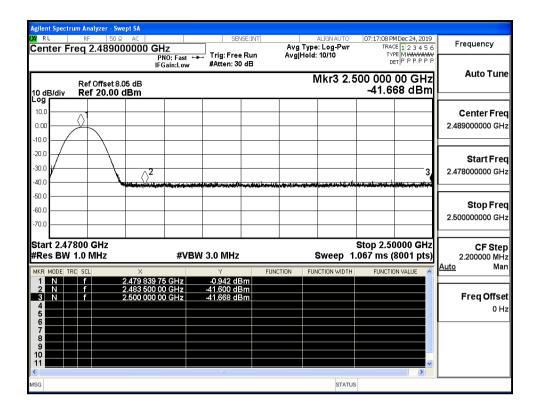




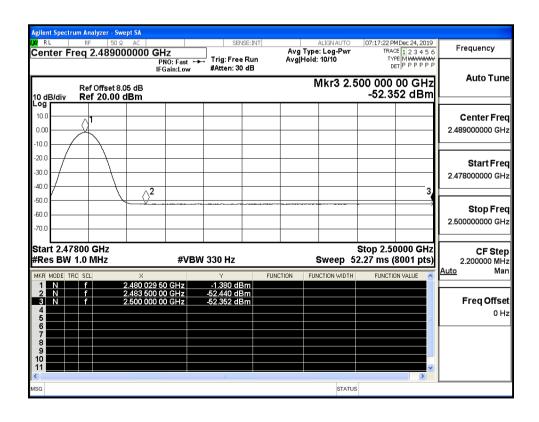
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



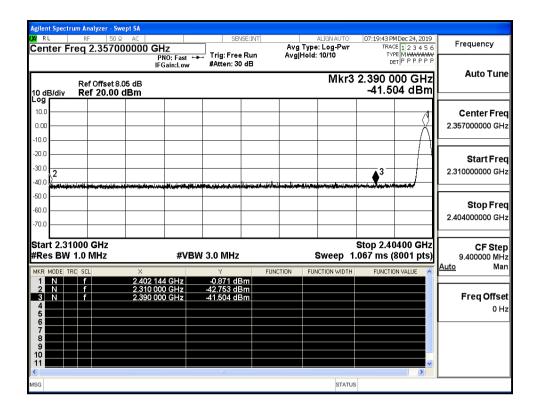
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



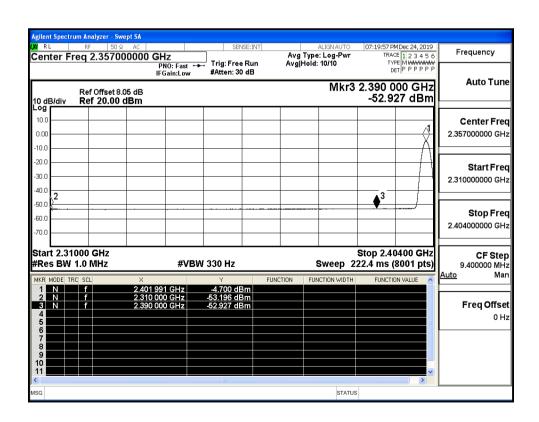
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



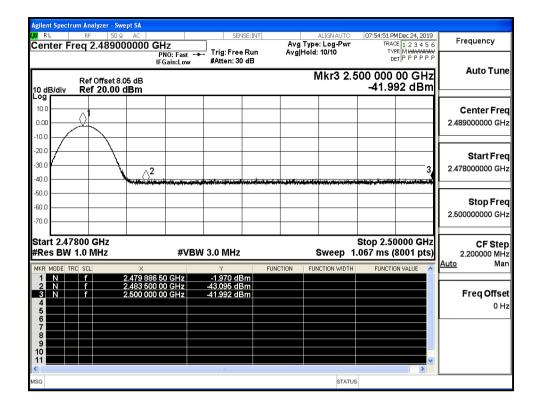
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



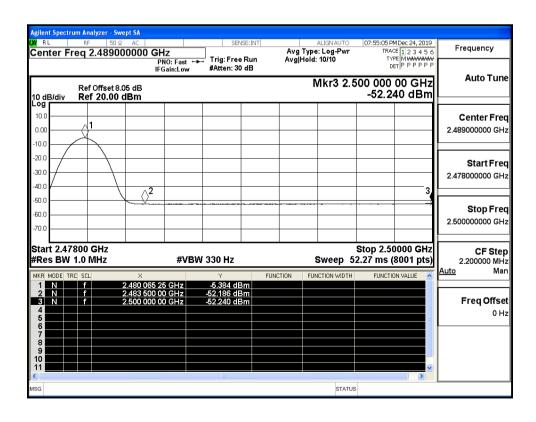
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



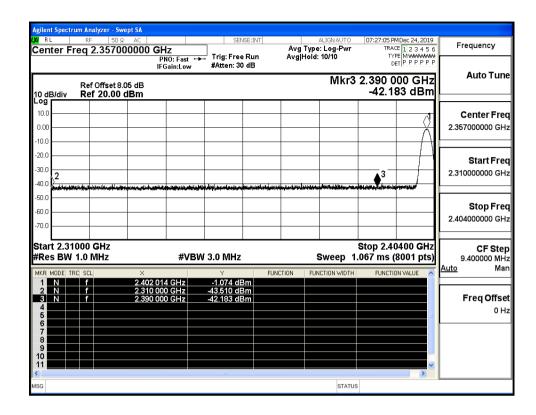
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



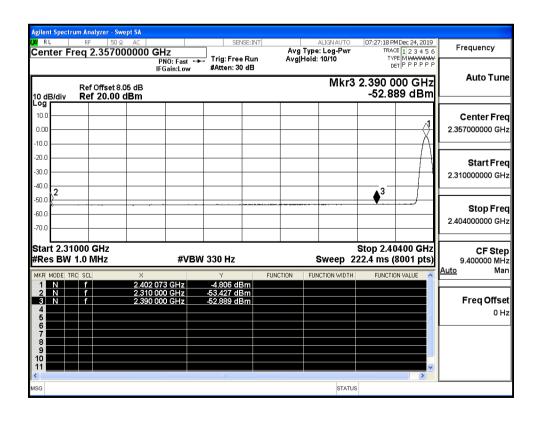
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



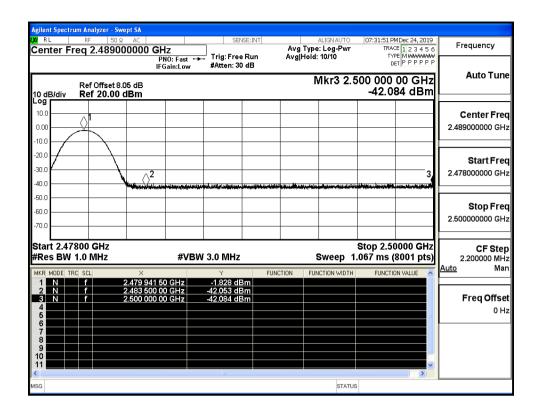
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

