Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

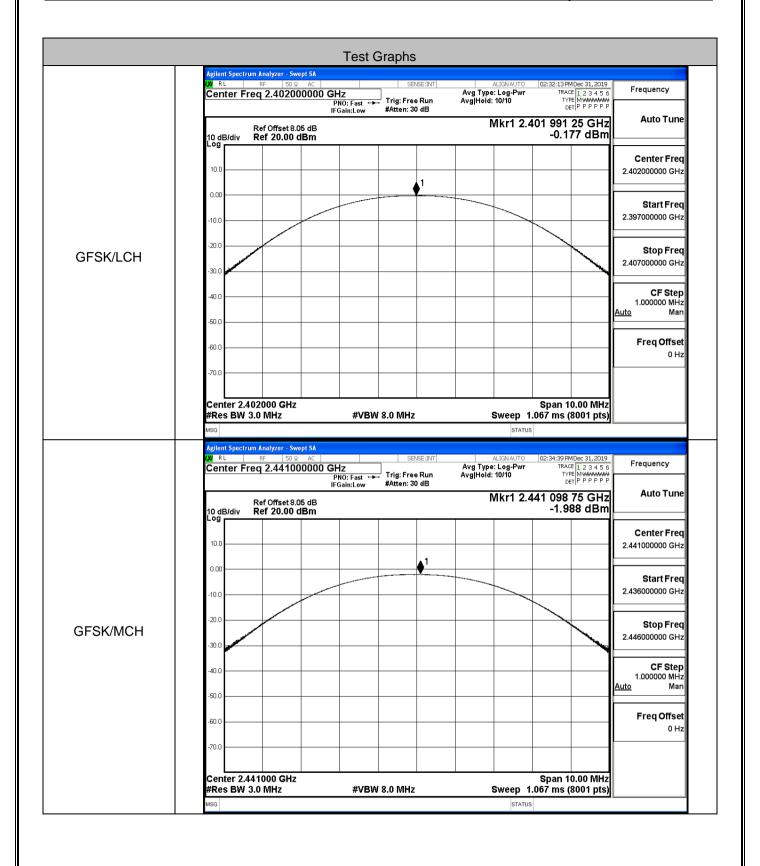
Product Name: Wireless headphone Trade Mark: Polaroid Test Model: PBTH201

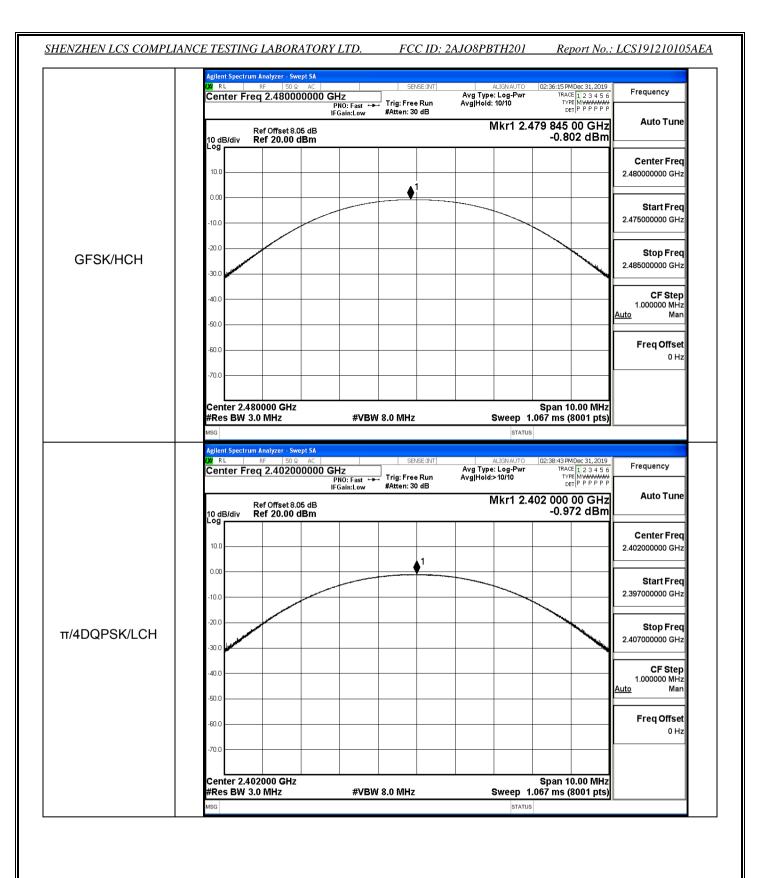
Environmental Conditions

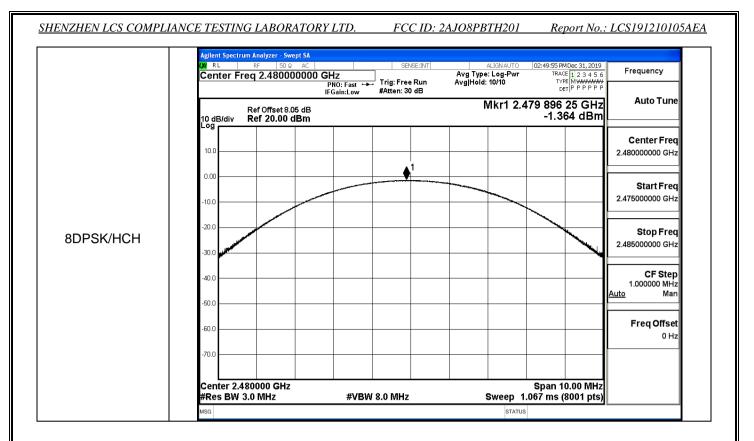
Temperature:	24.3 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	CH -0.177		PASS
GFSK	MCH	-1.988	30	PASS
	НСН	-0.802	30	PASS
	LCH	-0.972	21	PASS
π/4DQPSK	MCH	-2.638	21	PASS
	НСН	-1.588	21	PASS
	LCH	-0.683	21	PASS
8DPSK	MCH	-2.439	21	PASS
	НСН	-1.364	21	PASS

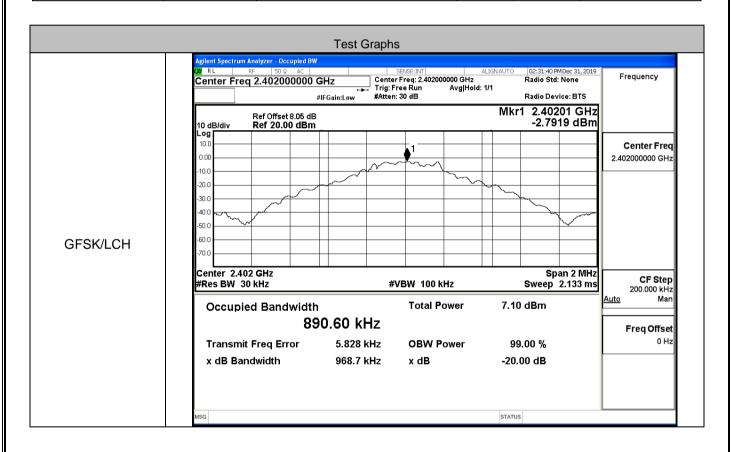






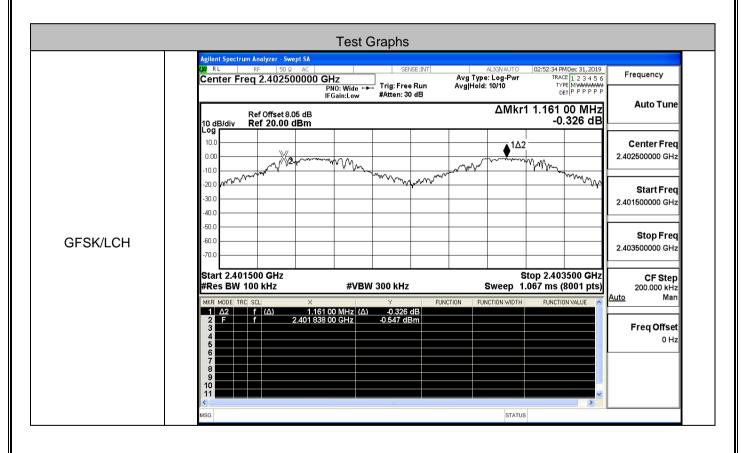
A.2 20dB Bandwidth

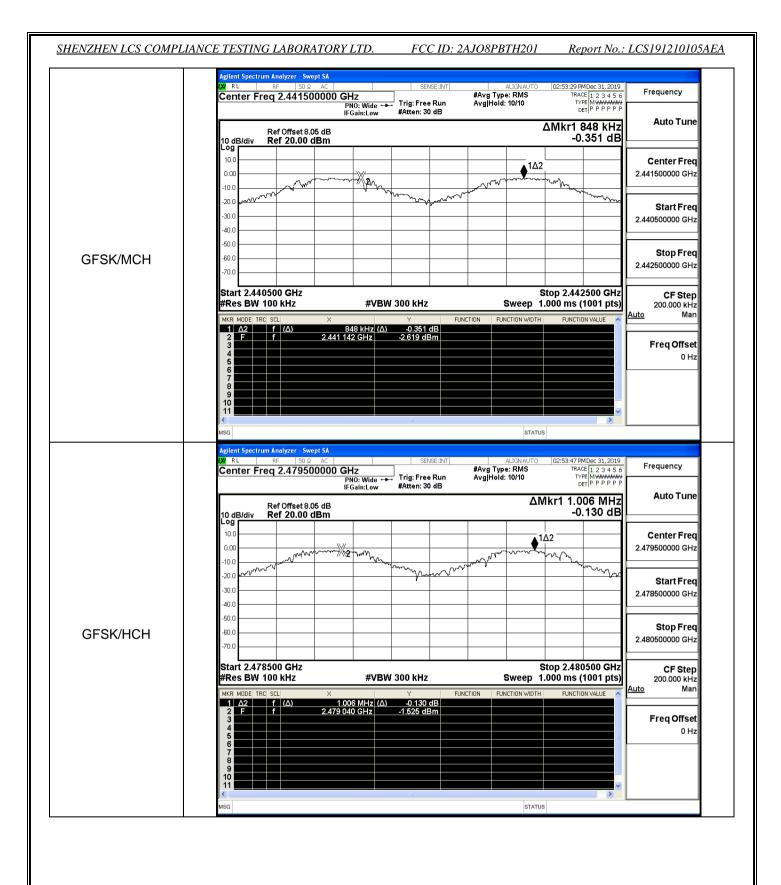
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9687	Not Specified	PASS
GFSK	MCH	1.030	Not Specified	PASS
	НСН	1.036	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.309	Not Specified	PASS
	HCH	1.290	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
8DPSK	MCH	1.298	Not Specified	PASS
	НСН	1.294	Not Specified	PASS

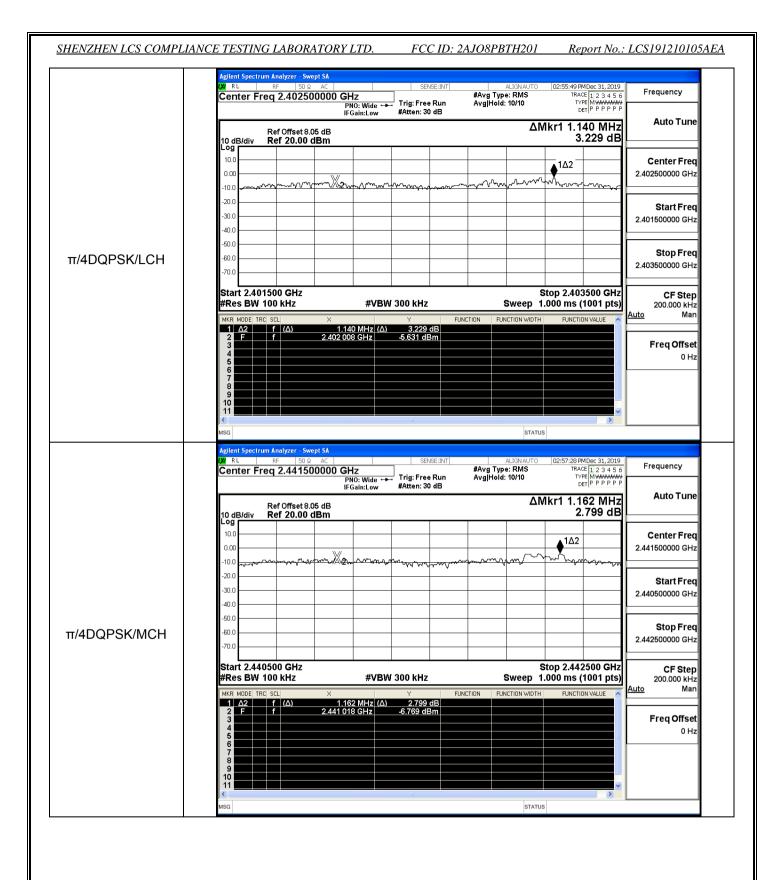


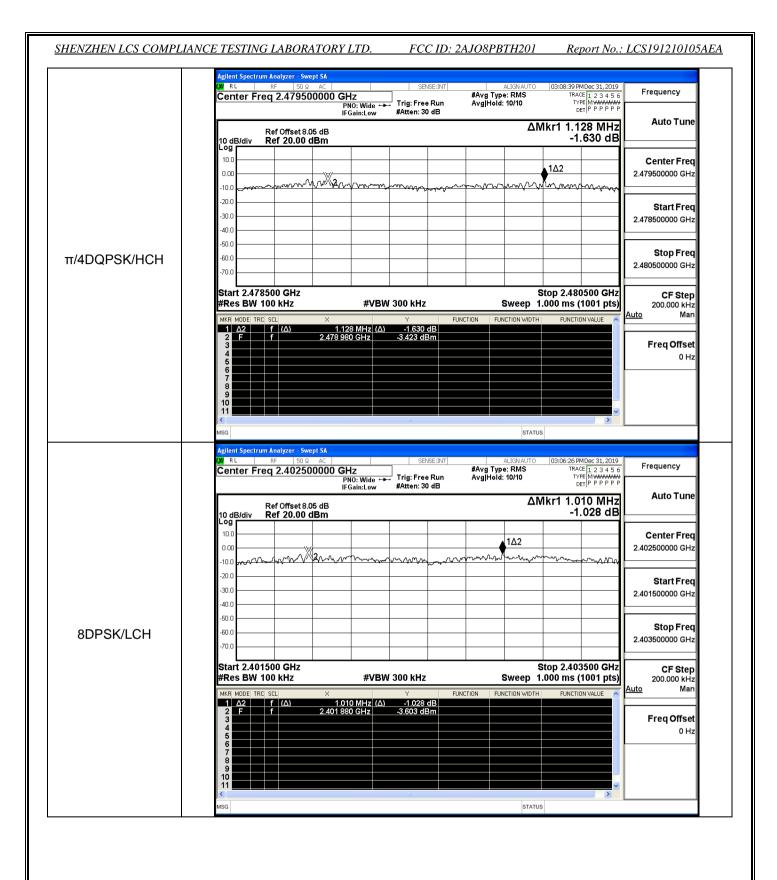
A.3 Carrier Frequency Separation

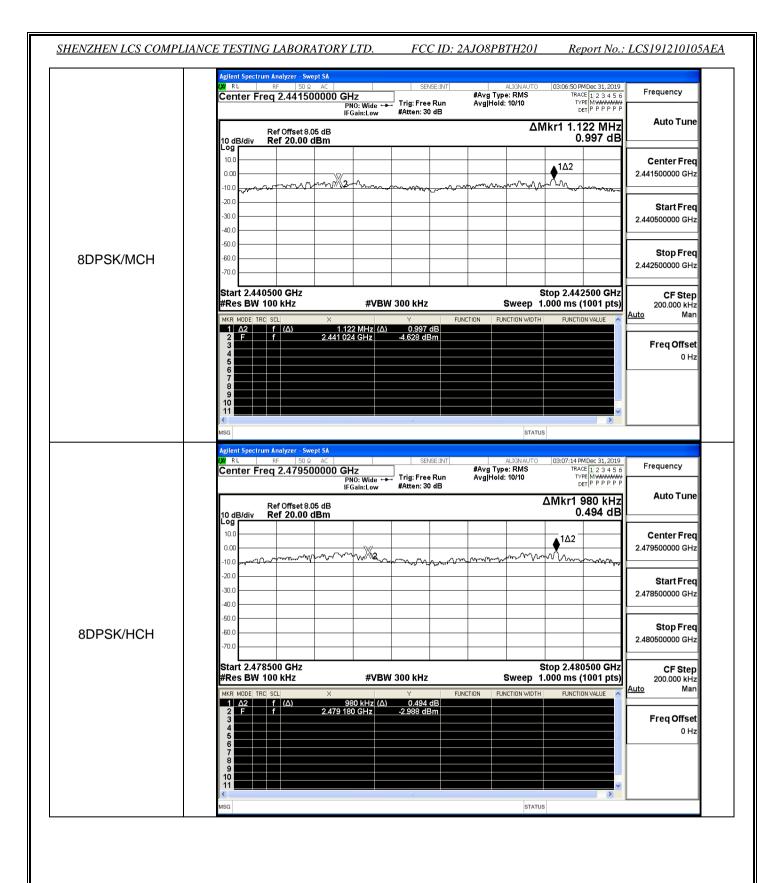
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.161	0.691	PASS
GFSK	MCH	0.848	0.691	PASS
	HCH	1.006	0.691	PASS
	LCH	1.140	0.873	PASS
π/4DQPSK	MCH	1.162	0.873	PASS
	HCH	1.128	0.873	PASS
	LCH	1.010	0.865	PASS
8DPSK	MCH	1.122	0.865	PASS
	HCH	0.980	0.865	PASS





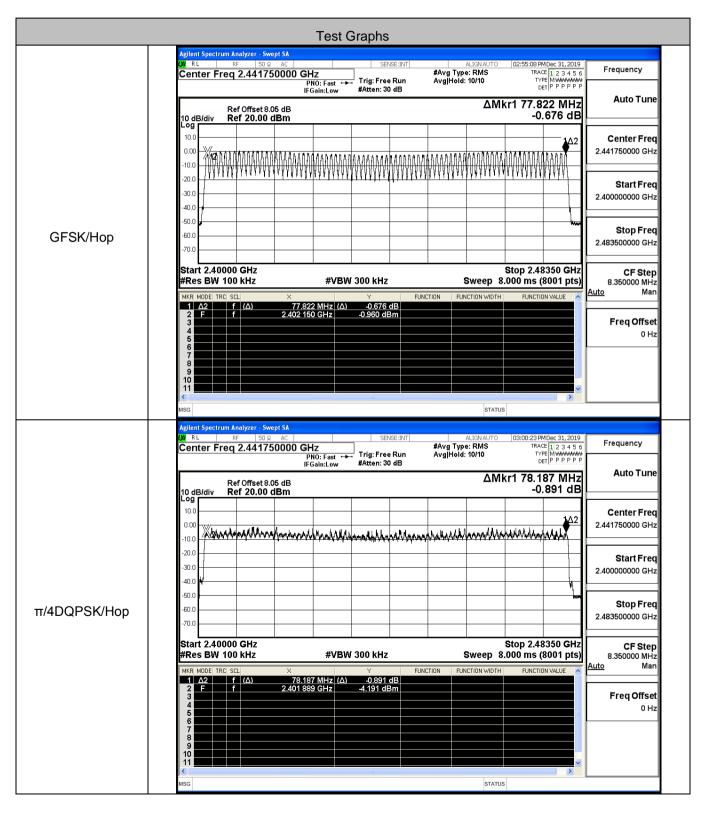


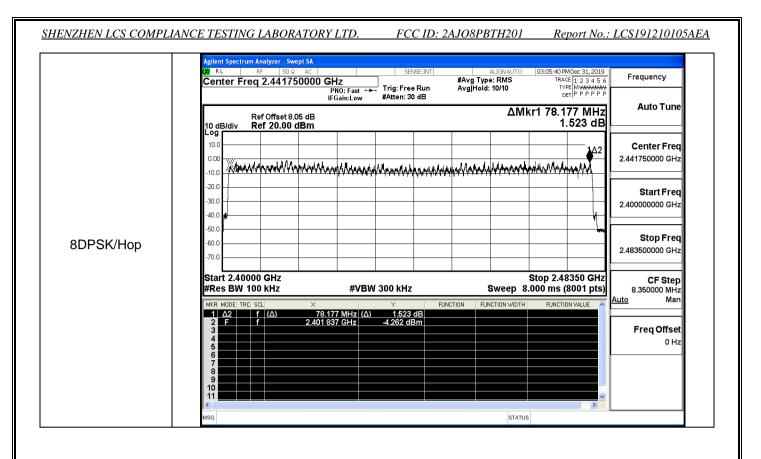




A.4 Hopping Channel Number

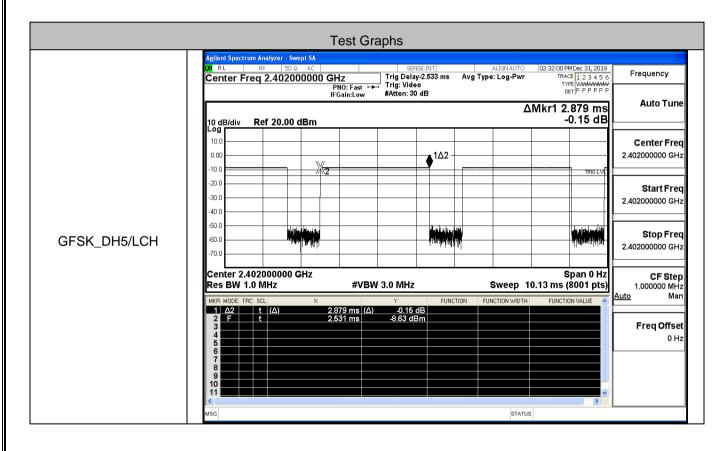
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

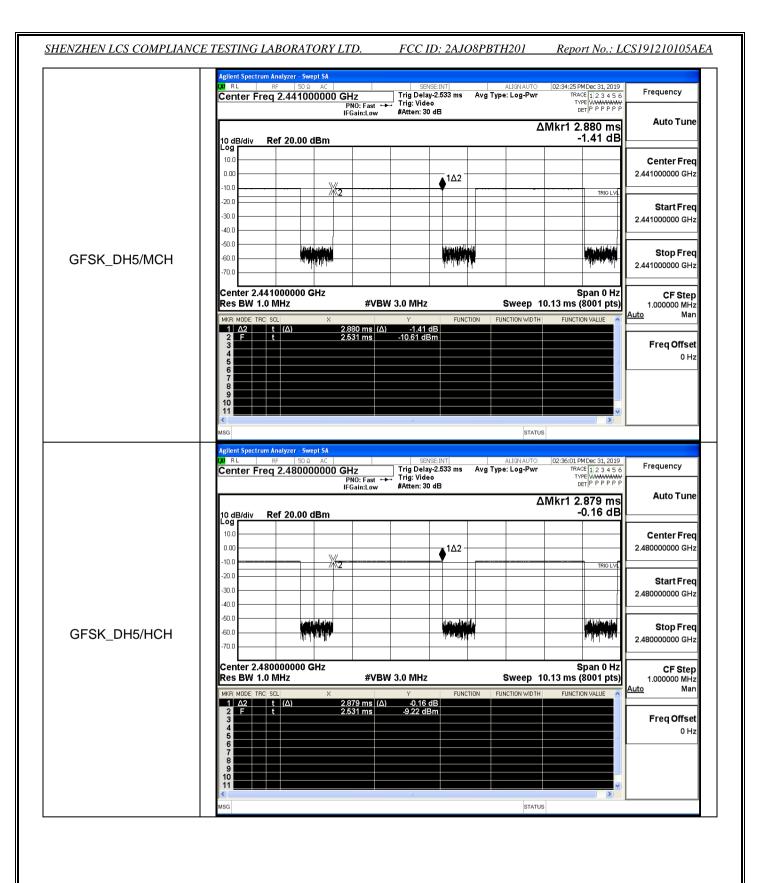


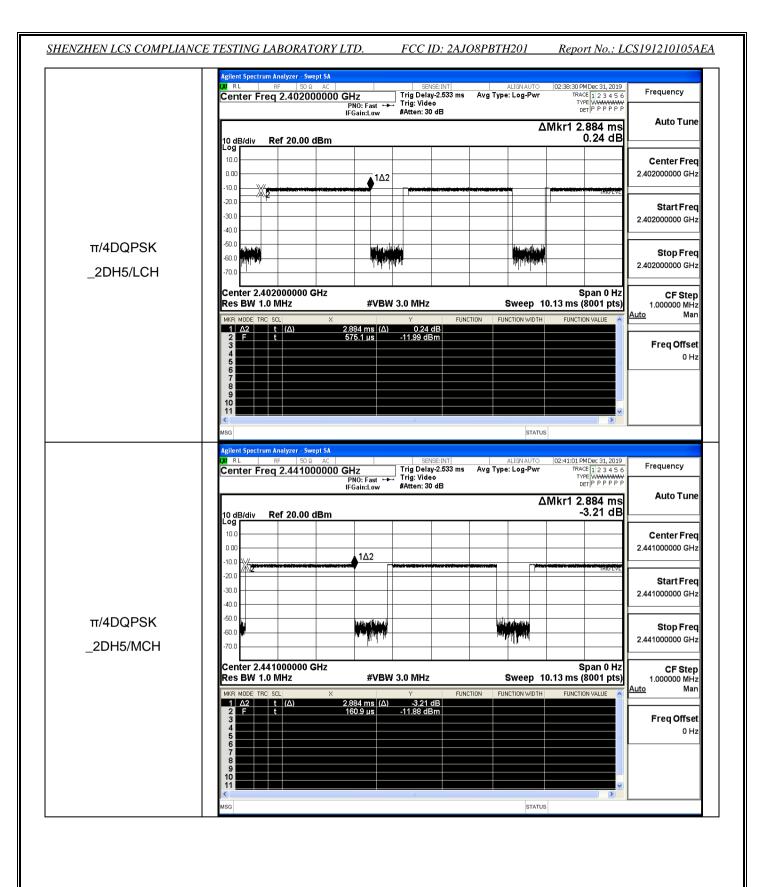


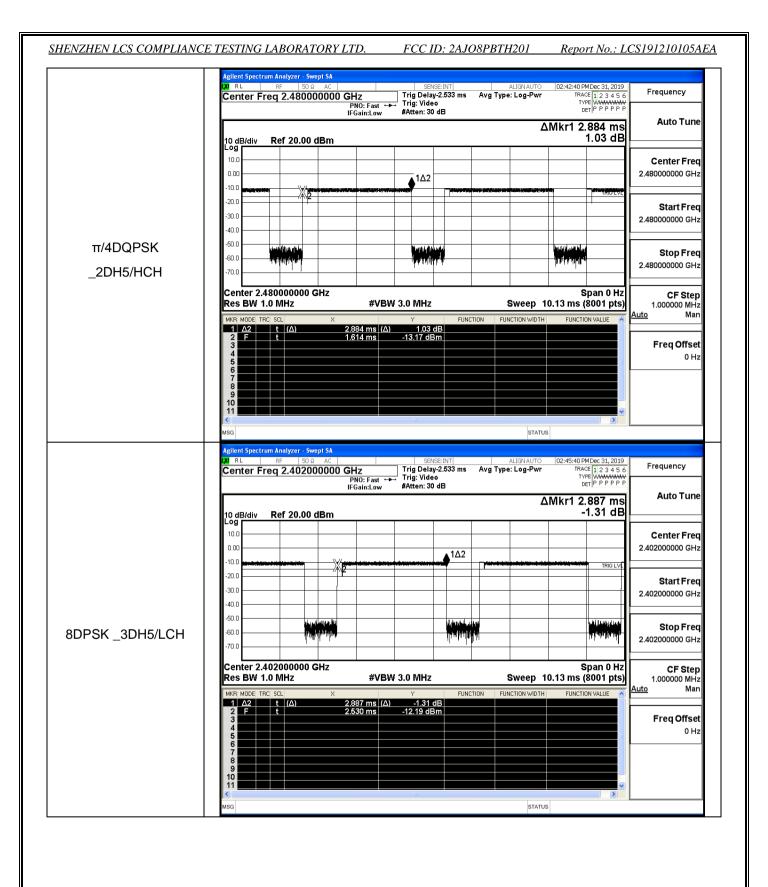
A.5 Dwell Time

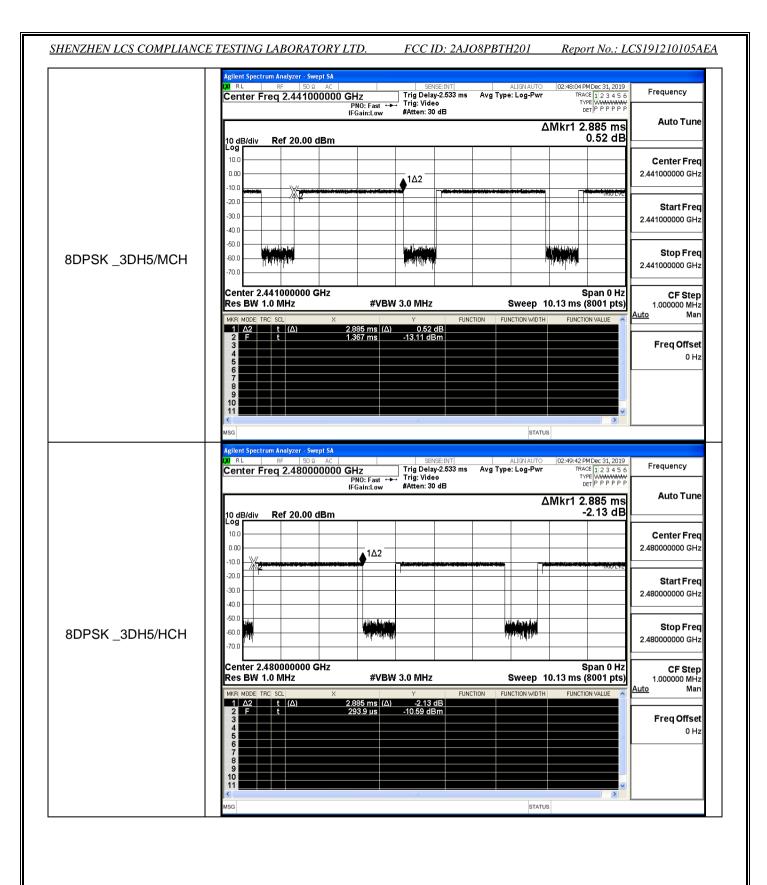
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





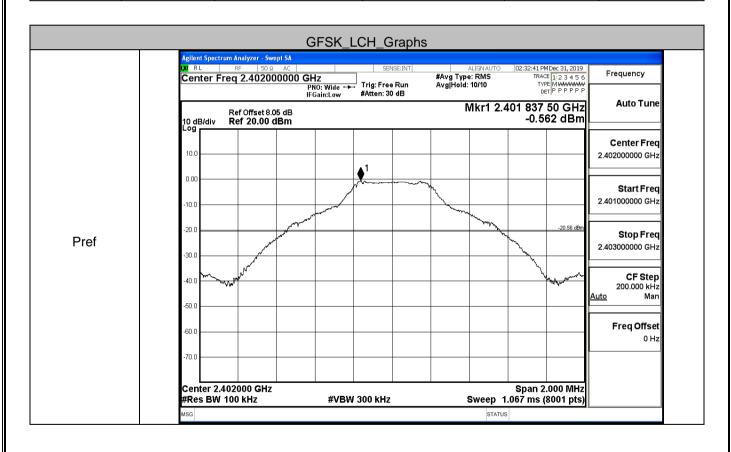




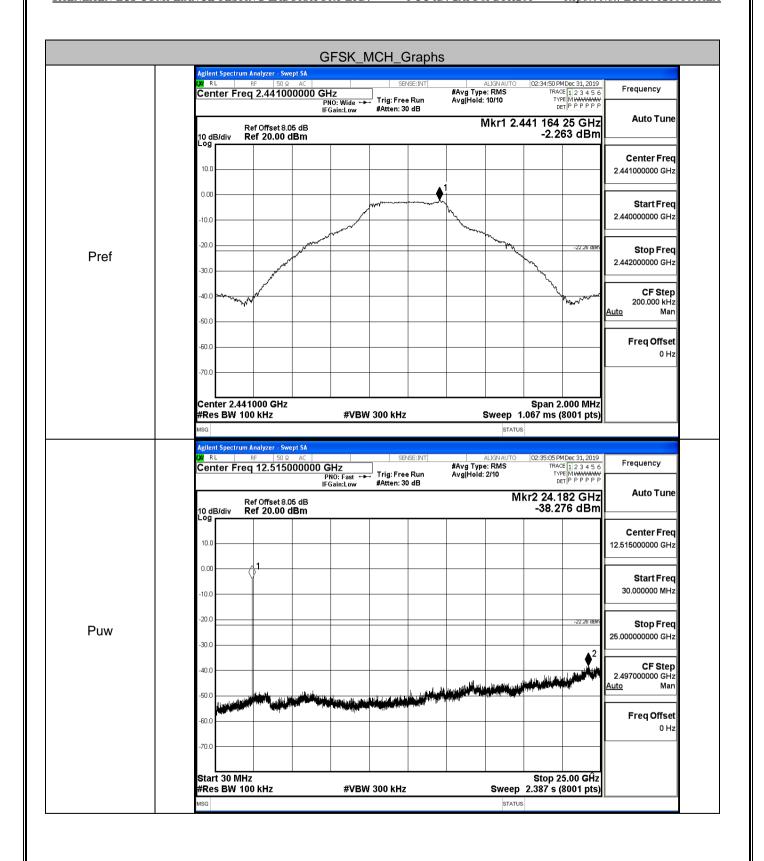


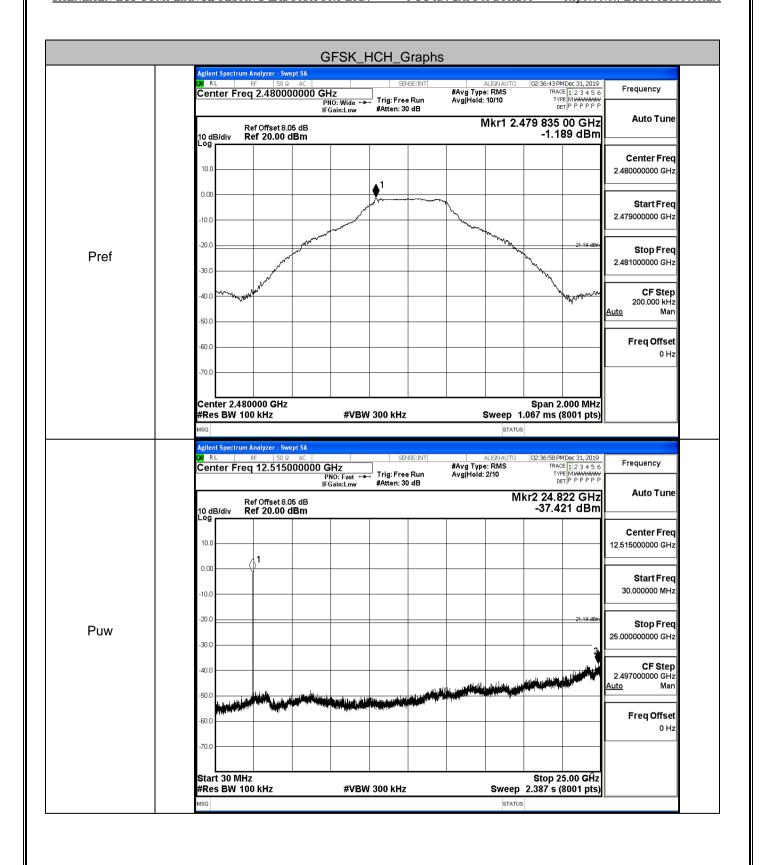
A.6 RF Conducted Spurious Emissions

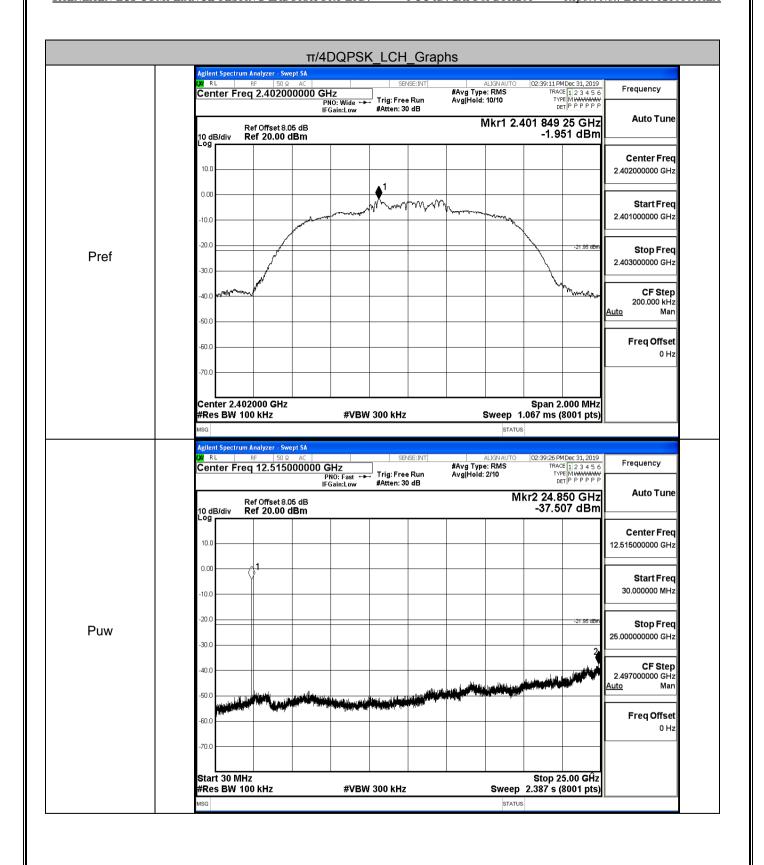
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.562	-36.859	-20.562	PASS
GFSK	MCH	-2.263	-38.276	-22.263	PASS
	НСН	-1.189	-37.421	-21.189	PASS
	LCH	-1.951	-37.507	-21.951	PASS
π/4DQPSK	MCH	-3.442	-37.748	-23.442	PASS
	НСН	-2.428	-38.230	-22.428	PASS
	LCH	-2.304	-36.392	-22.304	PASS
8DPSK	MCH	-3.455	-37.233	-23.455	PASS
	НСН	-2.517	-37.607	-22.517	PASS

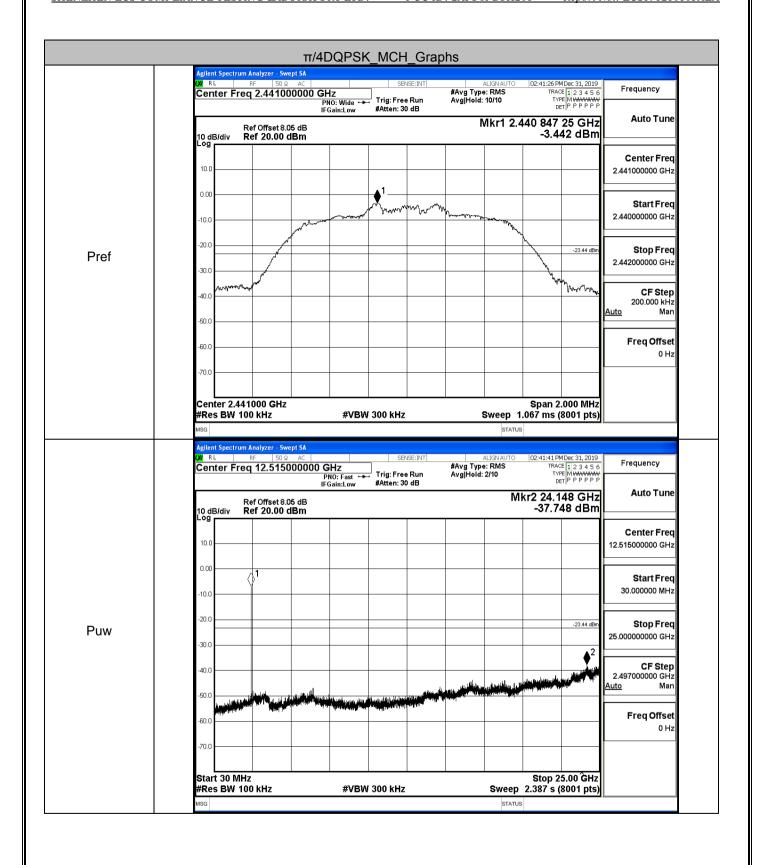


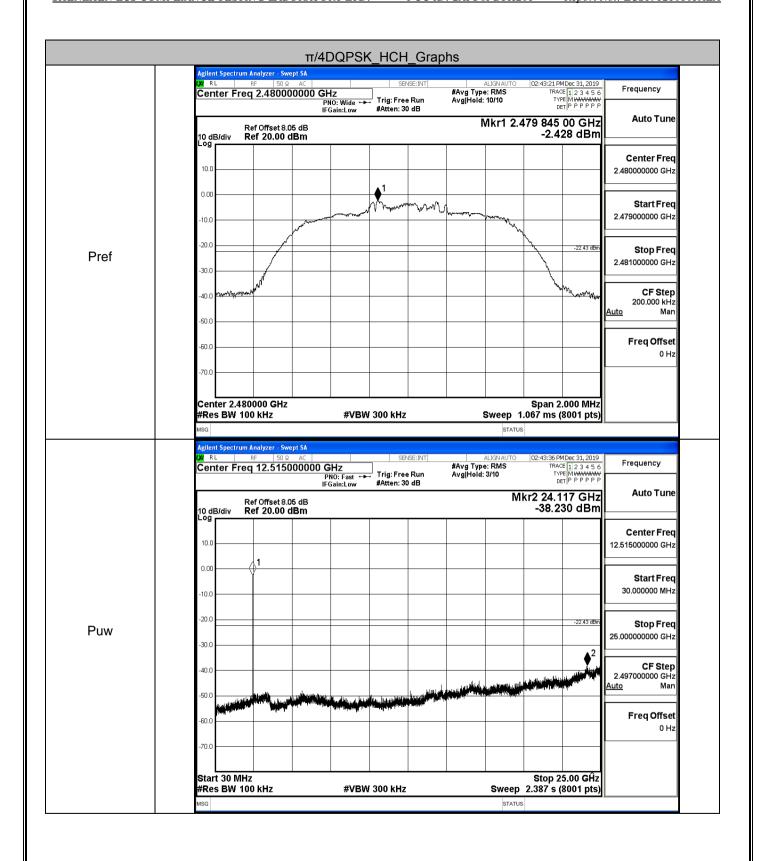
#VBW 300 kHz

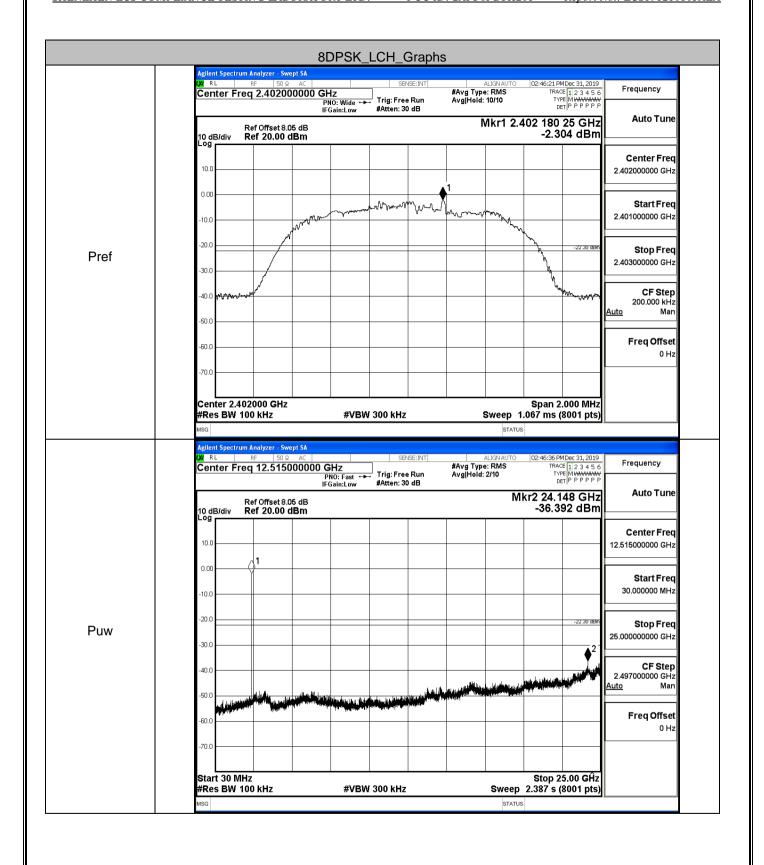


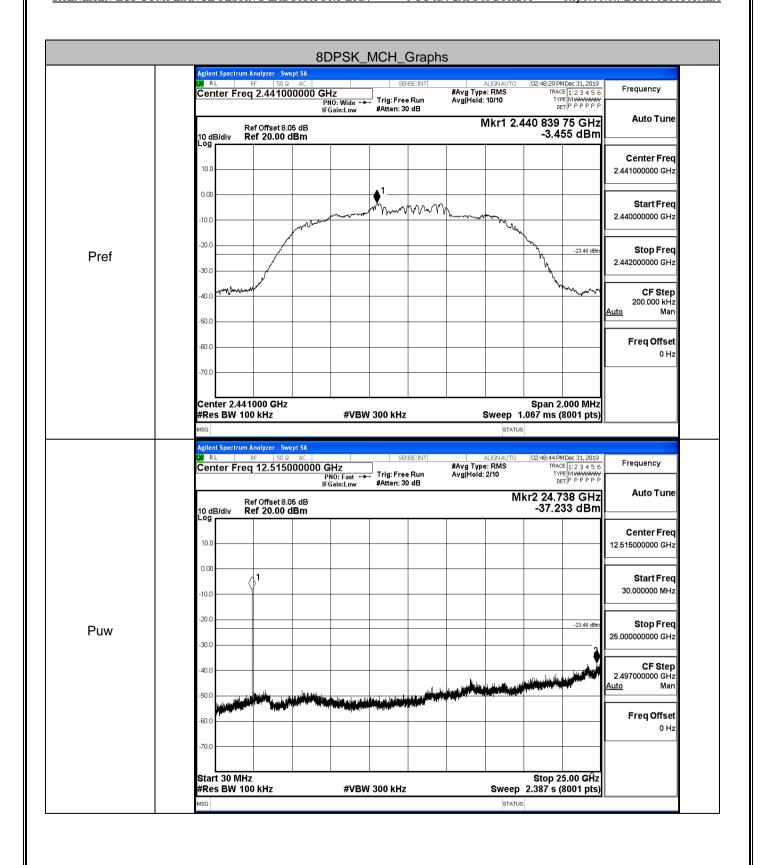


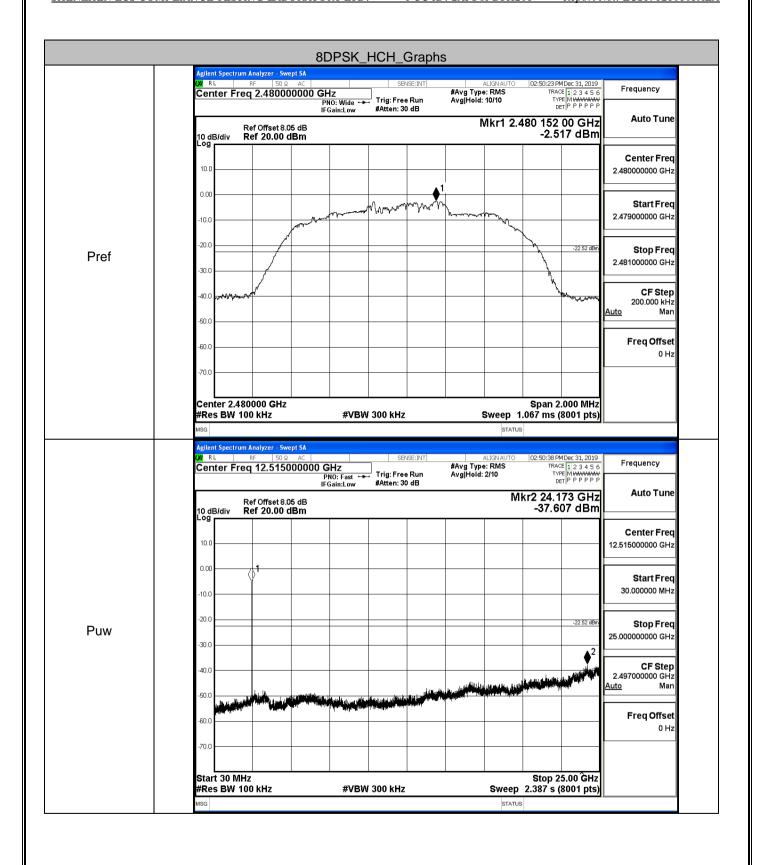






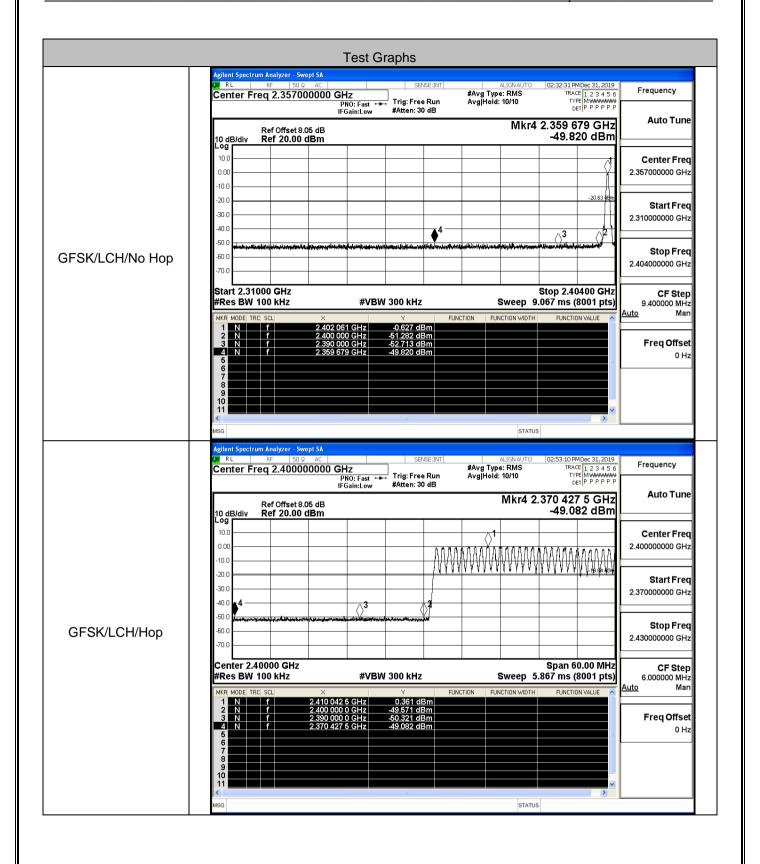


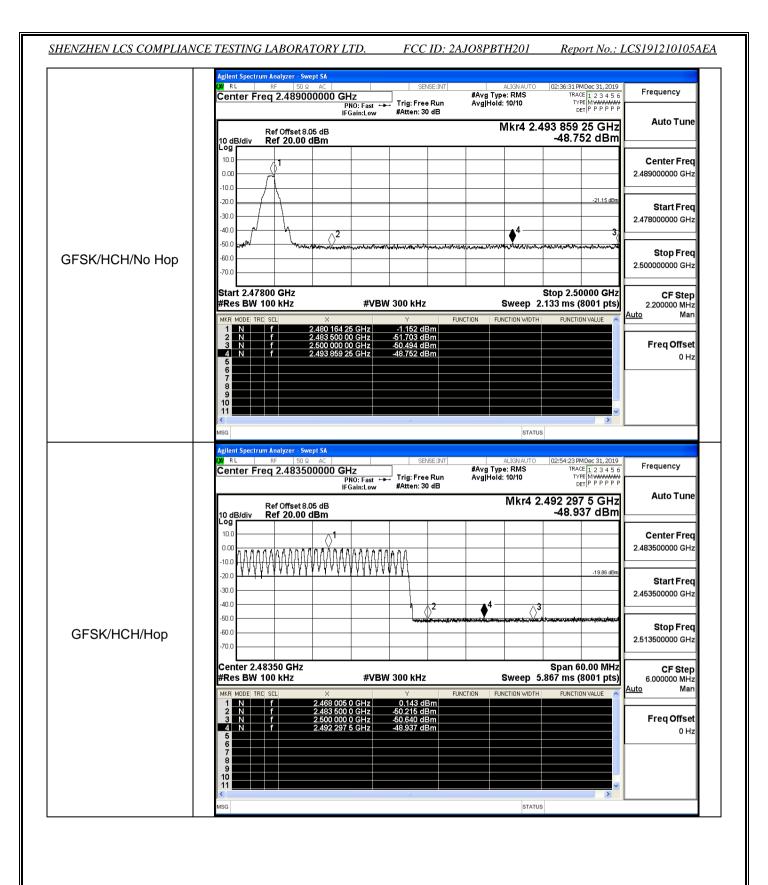


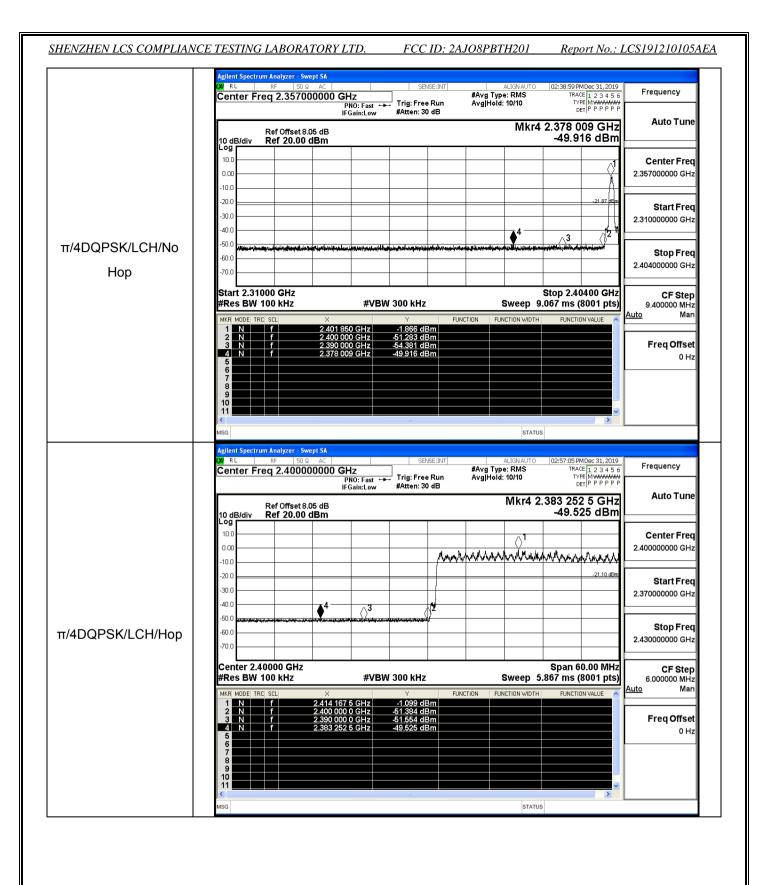


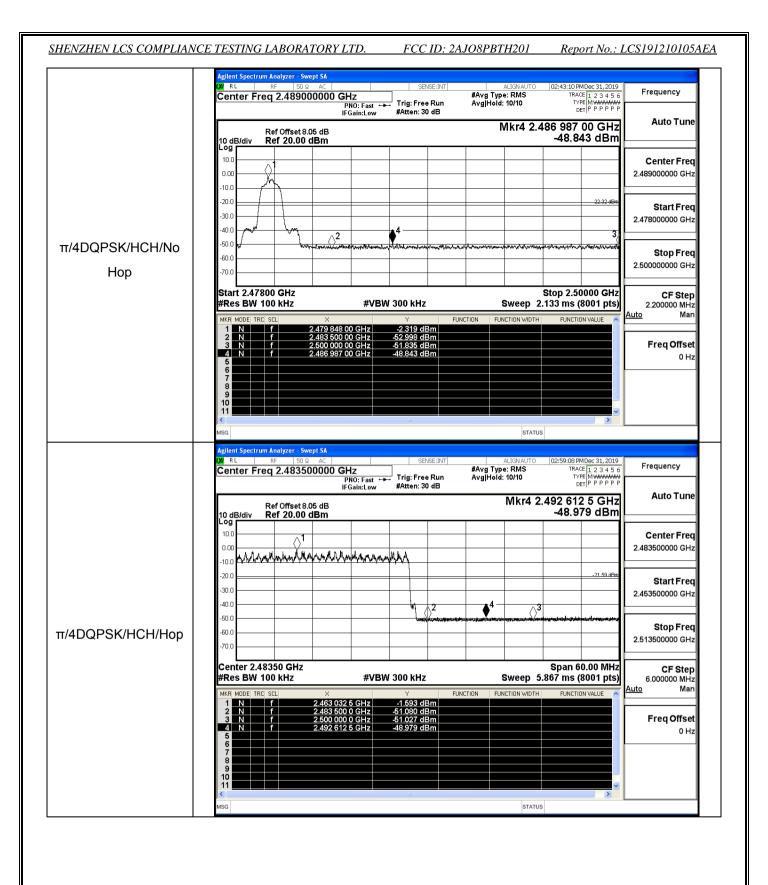
A.7 Band-edge for RF Conducted Emissions

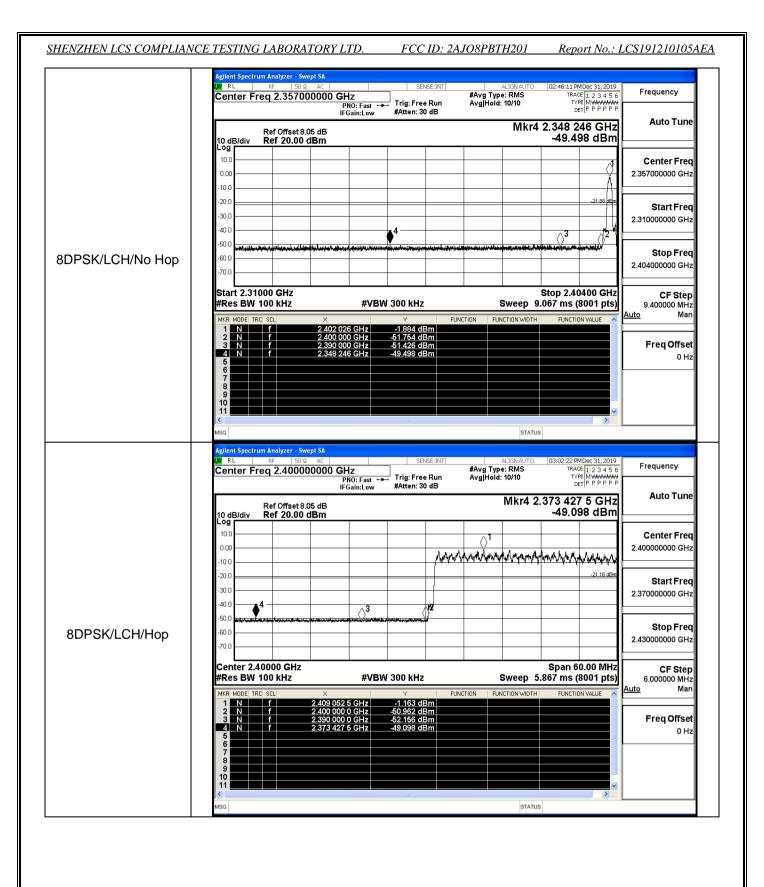
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
		0.400	-0.627	Off	-49.820	-20.63	PASS	
0.5014	LCH	2402	0.361	On	-49.082	-19.64	PASS	
GFSK	НСН			-1.152	Off	-48.752	-21.15	PASS
		2480	0.143	On	-48.937	-19.86	PASS	
	LCH			-1.866	Off	-49.916	-21.87	PASS
		2402	-1.099	On	-49.525	-21.1	PASS	
π/4DQPSK	НСН	H 2480	-2.319	Off	-48.843	-22.32	PASS	
			-1.593	On	-48.979	-21.59	PASS	
			-1.884	Off	-49.498	-21.88	PASS	
	LCH	2402	-1.163	On	-49.098	-21.16	PASS	
8DPSK			-4.244	Off	-48.913	-24.24	PASS	
	HCH	2480	-1.417	On	-47.723	-21.42	PASS	

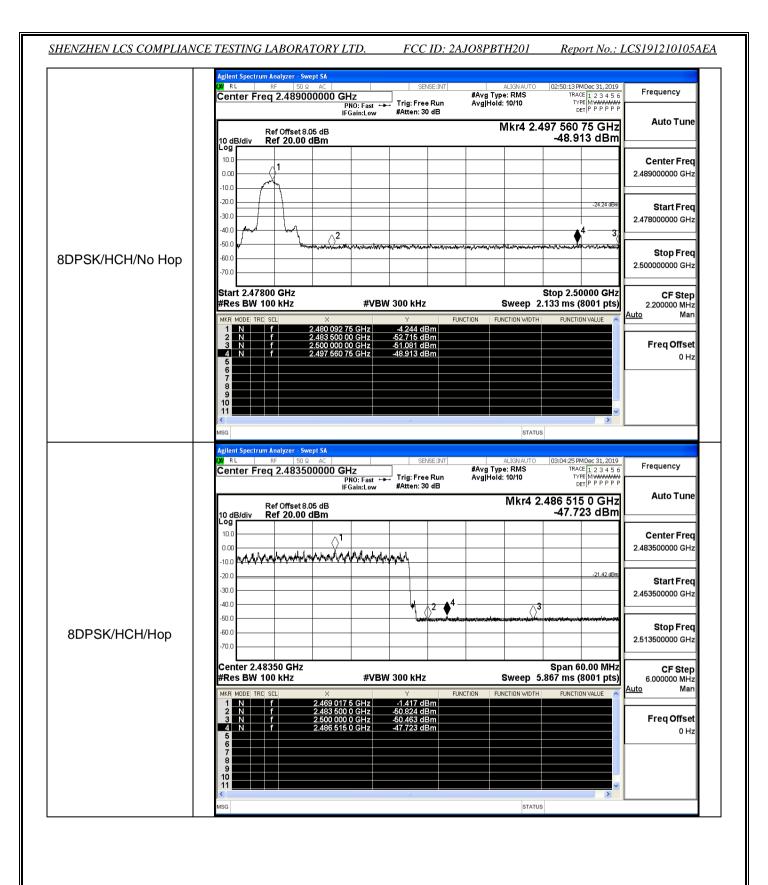








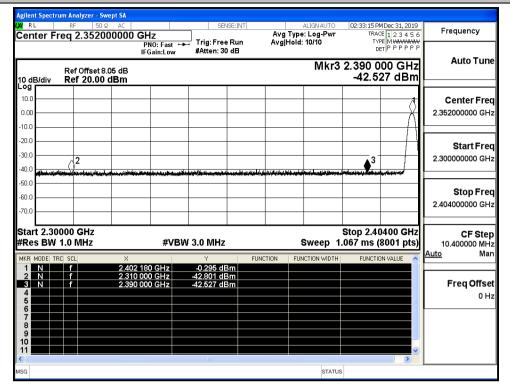




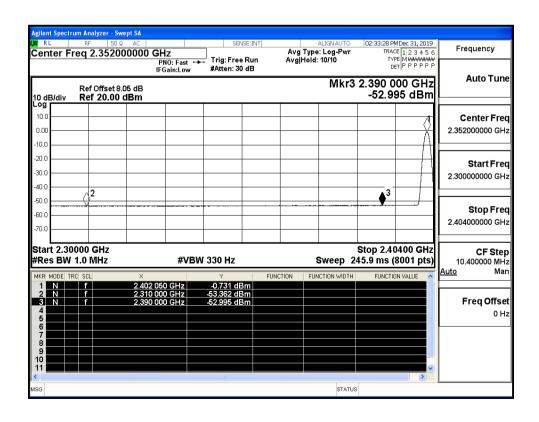
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.80	2.0	0	54.46	PEAK	74	PASS
	Off	2310.0	-53.36	2.0	0	43.90	AV	54	PASS
	Off	2390.0	-42.53	2.0	0	54.73	PEAK	74	PASS
	Off	2390.0	-53.00	2.0	0	44.26	AV	54	PASS
GFSK	Off	2483.5	-41.54	2.0	0	55.71	PEAK	74	PASS
	Off	2483.5	-52.55	2.0	0	44.71	AV	54	PASS
	Off	2500.0	-42.01	2.0	0	55.25	PEAK	74	PASS
	Off	2500.0	-52.47	2.0	0	44.79	AV	54	PASS
	Off	2310.0	-42.98	2.0	0	54.28	PEAK	74	PASS
	Off	2310.0	-53.41	2.0	0	43.85	AV	54	PASS
	Off	2390.0	-43.57	2.0	0	53.69	PEAK	74	PASS
	Off	2390.0	-52.97	2.0	0	44.29	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.86	2.0	0	54.40	PEAK	74	PASS
	Off	2483.5	-52.53	2.0	0	44.73	AV	54	PASS
	Off	2500.0	-41.78	2.0	0	55.48	PEAK	74	PASS
	Off	2500.0	-52.43	2.0	0	44.83	AV	54	PASS
	Off	2310.0	-43.33	2.0	0	53.93	PEAK	74	PASS
	Off	2310.0	-53.41	2.0	0	43.85	AV	54	PASS
	Off	2390.0	-42.95	2.0	0	54.31	PEAK	74	PASS
	Off	2390.0	-52.93	2.0	0	44.32	AV	54	PASS
8DPSK	Off	2483.5	-42.82	2.0	0	54.44	PEAK	74	PASS
	Off	2483.5	-52.51	2.0	0	44.75	AV	54	PASS
	Off	2500.0	-42.67	2.0	0	54.59	PEAK	74	PASS
	Off	2500.0	-52.31	2.0	0	44.95	AV	54	PASS

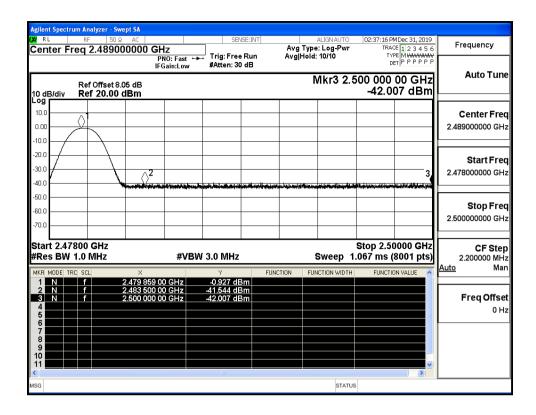




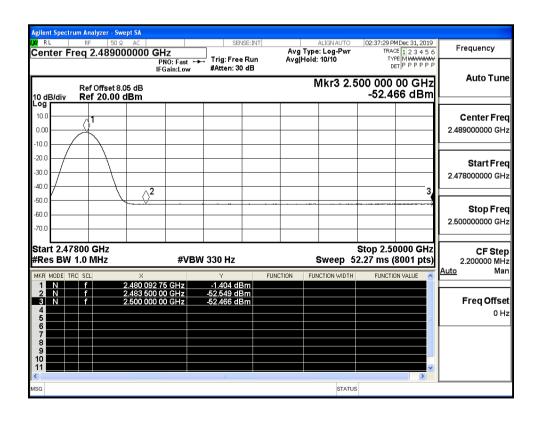
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



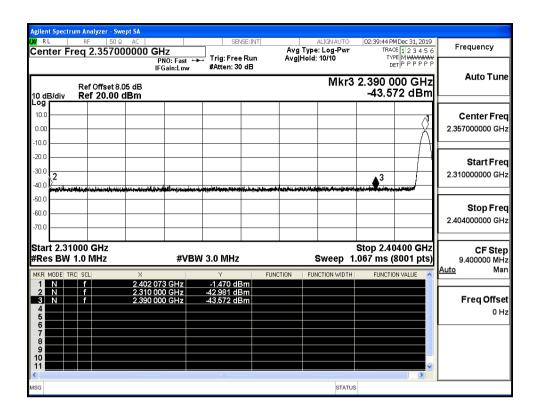
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



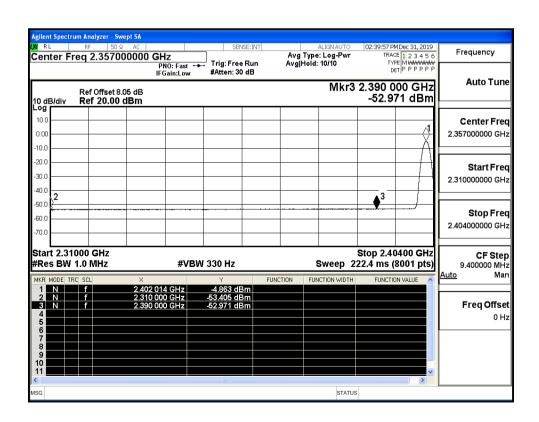
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



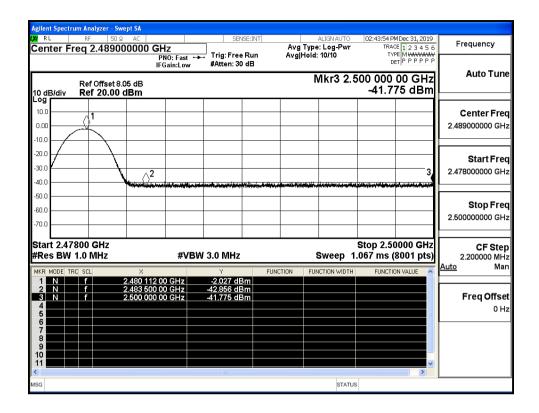
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



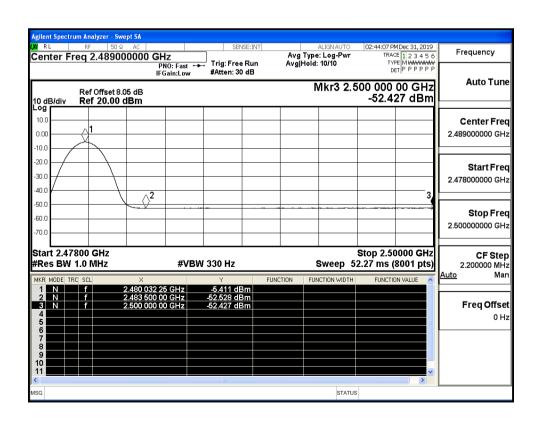
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



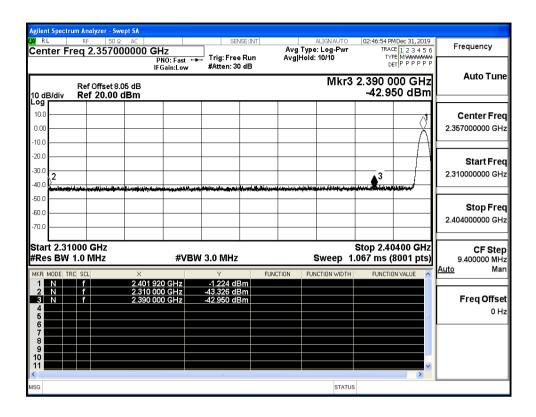
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



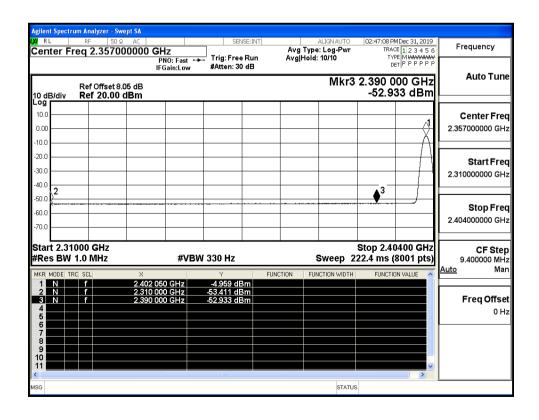
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



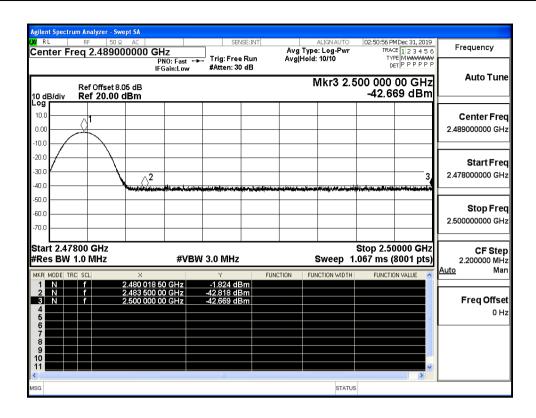
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

