# Appendix A

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

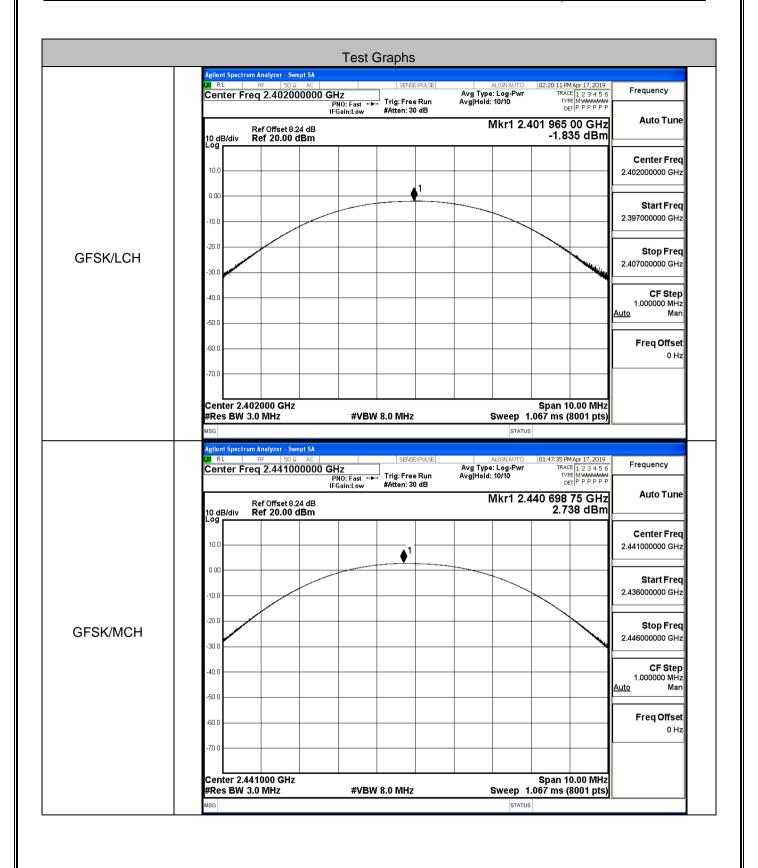
**Product Name: Sonic Solace ANC BT Headphones** Trade Mark: N/A Test Model: 16219

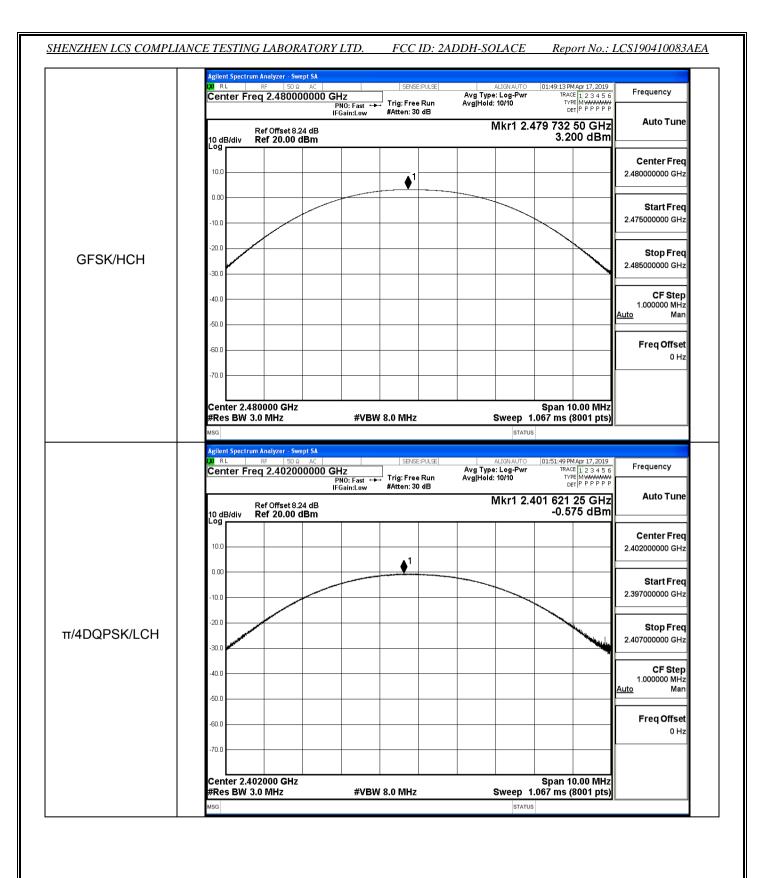
### **Environmental Conditions**

Temperature:	23.8 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Tom.Liu

### **A.1 Maxmum Conducted Peak Output Power**

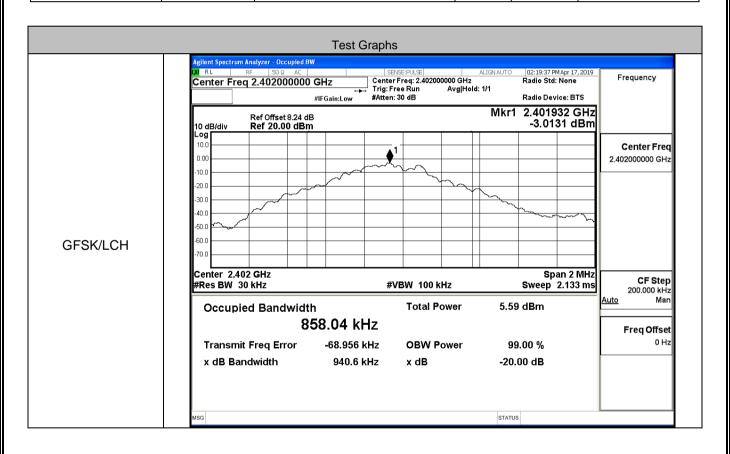
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.835	30	PASS
GFSK	MCH	2.738	30	PASS
	НСН	3.200	30	PASS
	LCH	-0.575	21	PASS
π/4DQPSK	MCH	0.913	21	PASS
	НСН	1.457	21	PASS
	LCH	-0.179	21	PASS
8DPSK	8DPSK MCH 1.287		21	PASS
	HCH	1.900	21	PASS





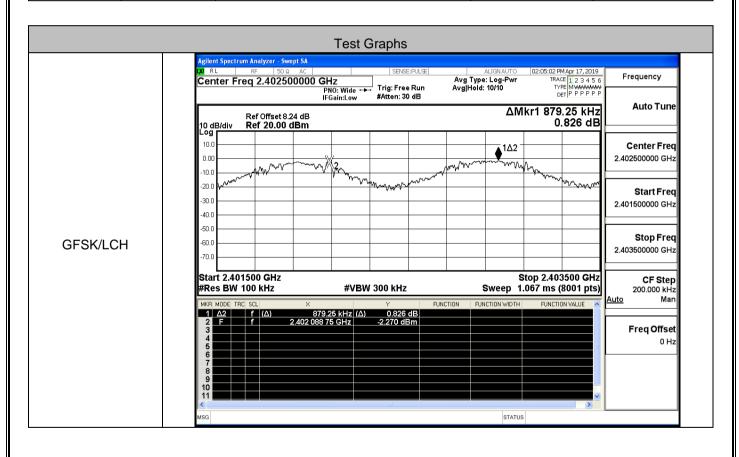
### A.2 20dB Bandwidth

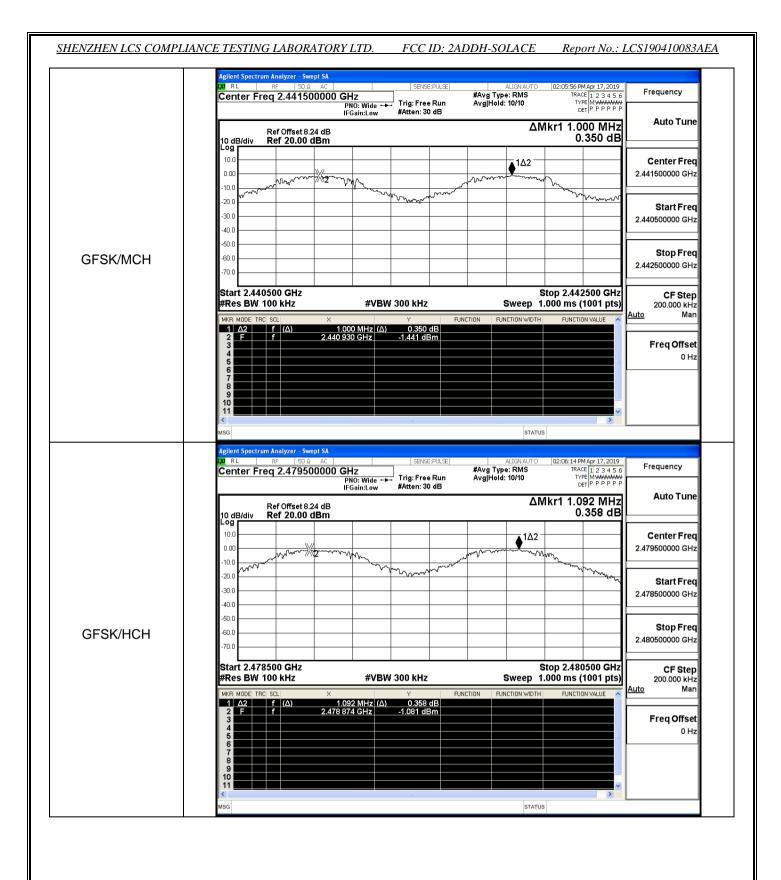
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9406	Not Specified	PASS
GFSK	MCH	0.9475	Not Specified	PASS
	НСН	0.9455	Not Specified	PASS
	LCH	1.232	Not Specified	PASS
π/4DQPSK	MCH	1.232	Not Specified	PASS
	НСН	1.228	Not Specified	PASS
	LCH	1.262	Not Specified	PASS
8DPSK	MCH	1.261	Not Specified	PASS
	НСН	1.262	Not Specified	PASS

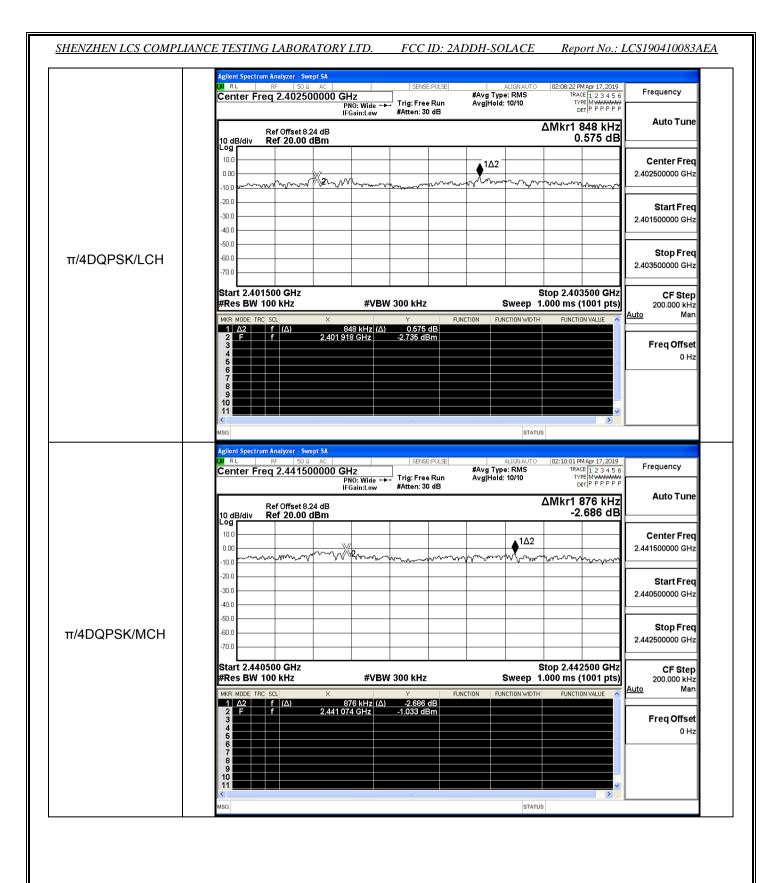


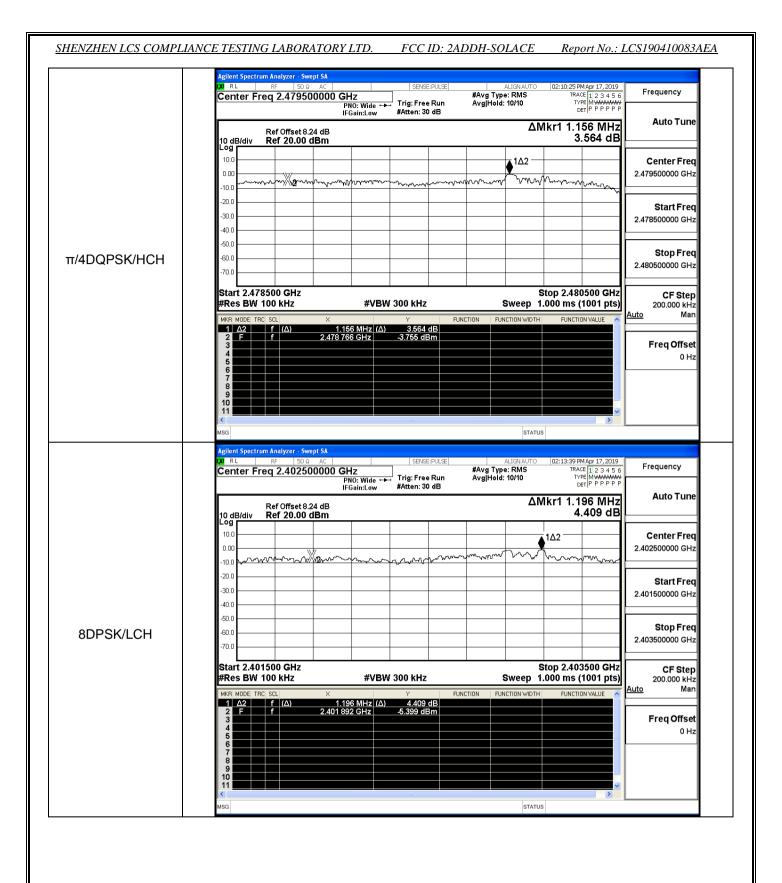
### **A.3 Carrier Frequency Separation**

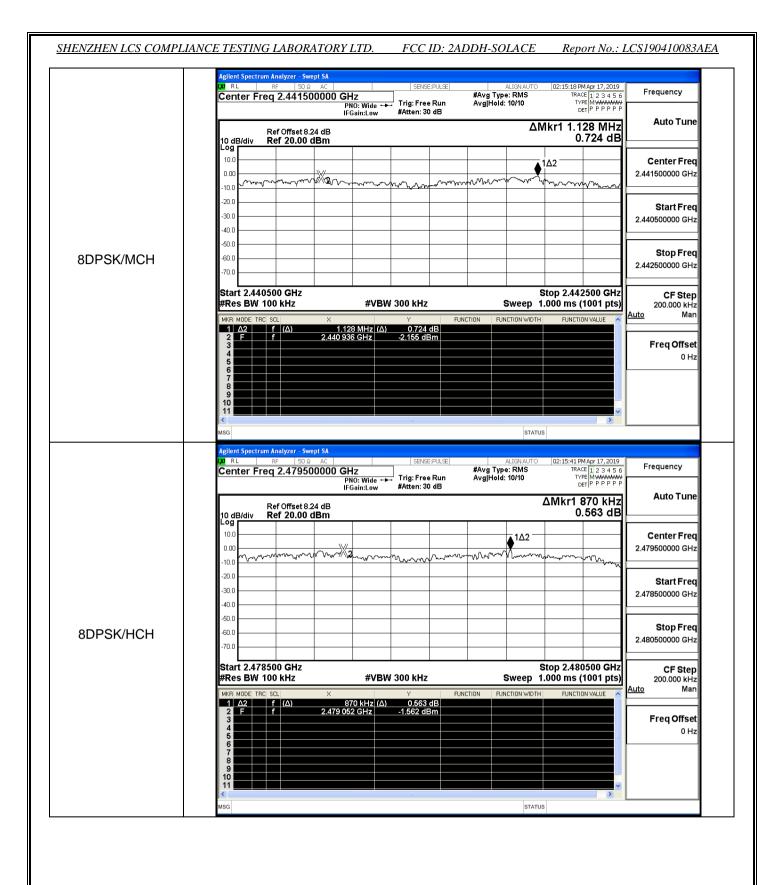
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.879	0.632	PASS
GFSK	MCH	1.000	0.632	PASS
	HCH	1.092	0.632	PASS
	LCH	0.848	0.821	PASS
π/4DQPSK	MCH	0.876	0.821	PASS
	HCH	1.156	0.821	PASS
8DPSK	LCH	1.196	0.841	PASS
	MCH	1.128	0.841	PASS
	HCH	0.870	0.841	PASS





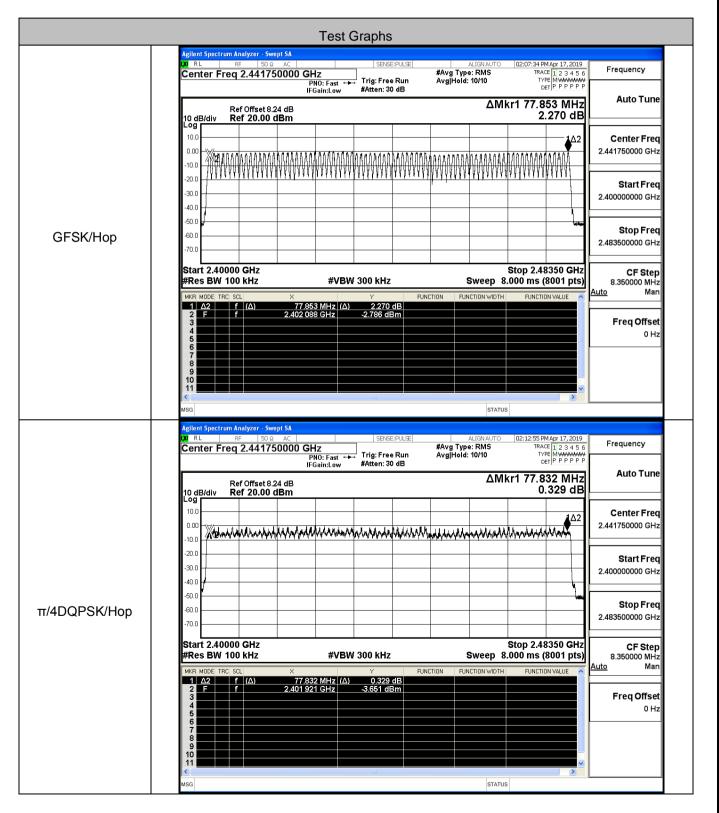


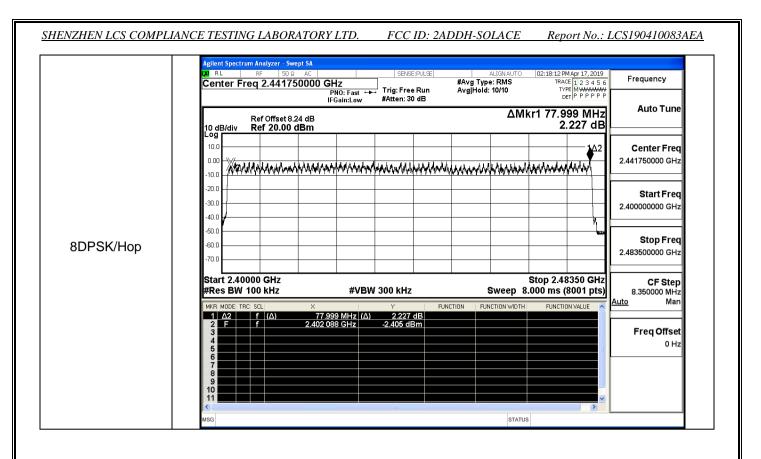




### A.4 Hopping Channel Number

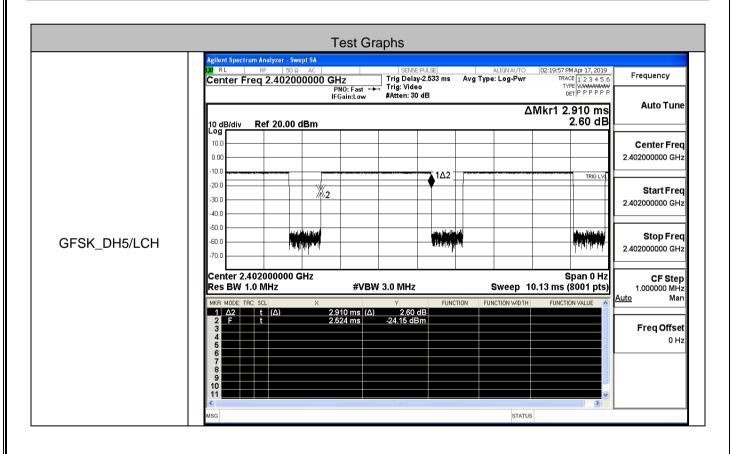
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

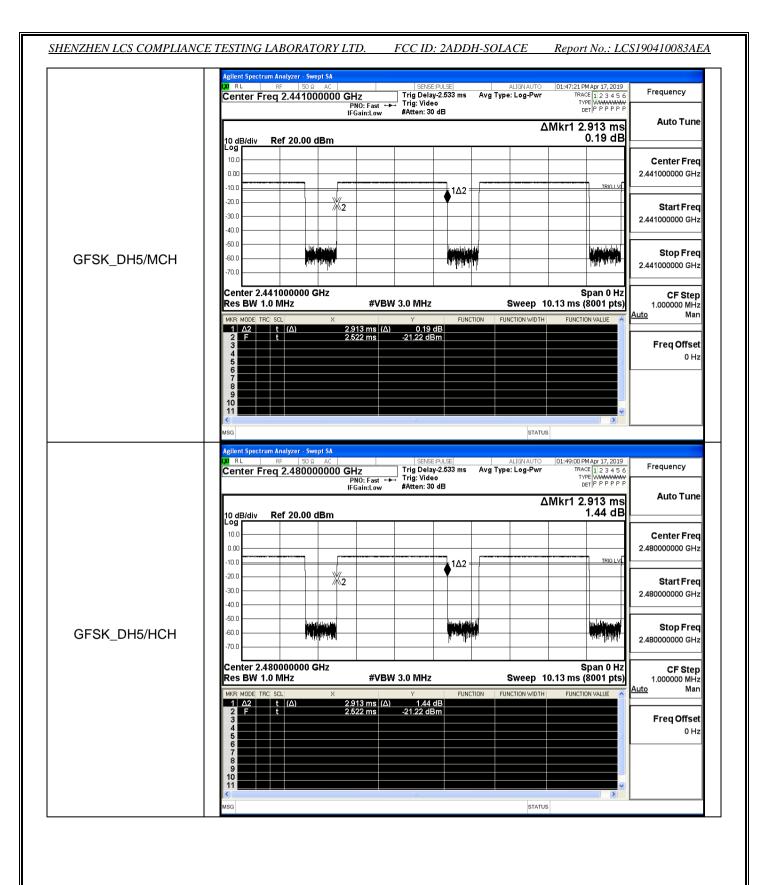


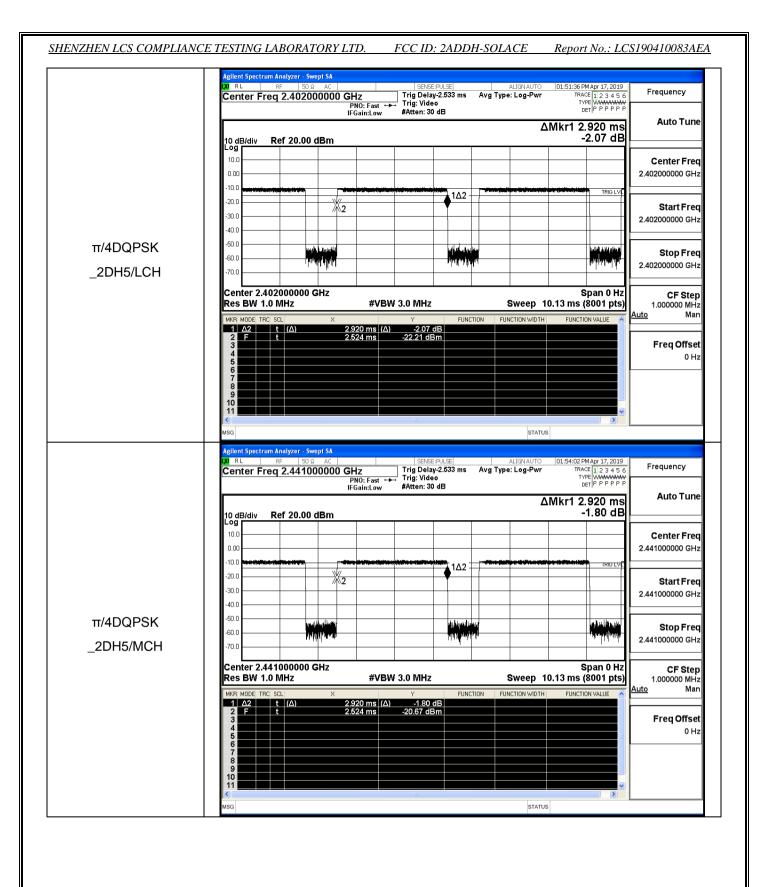


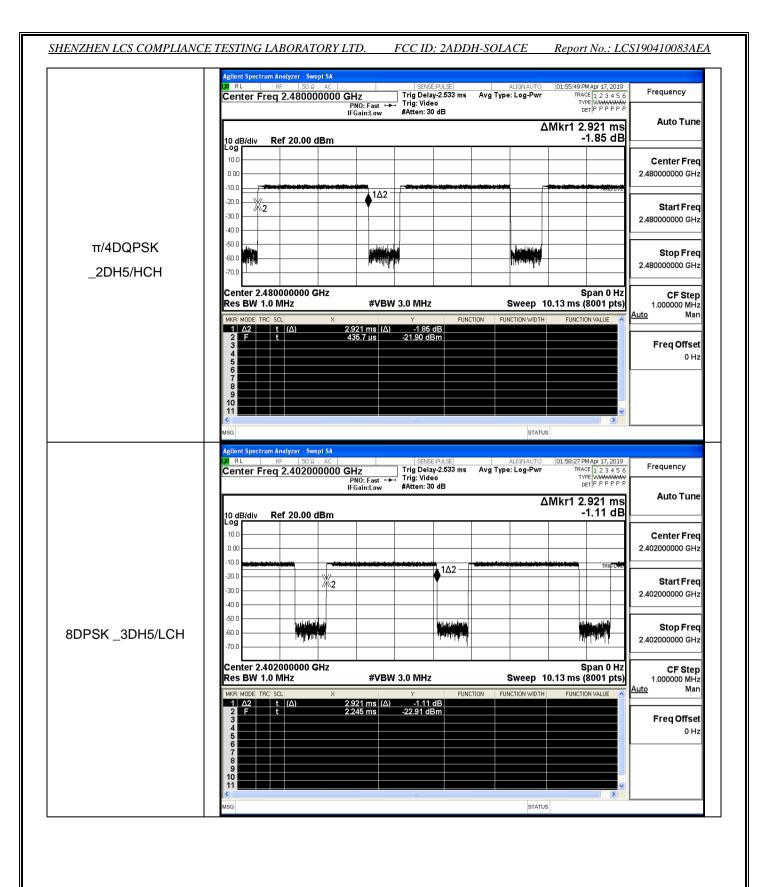
### A.5 Dwell Time

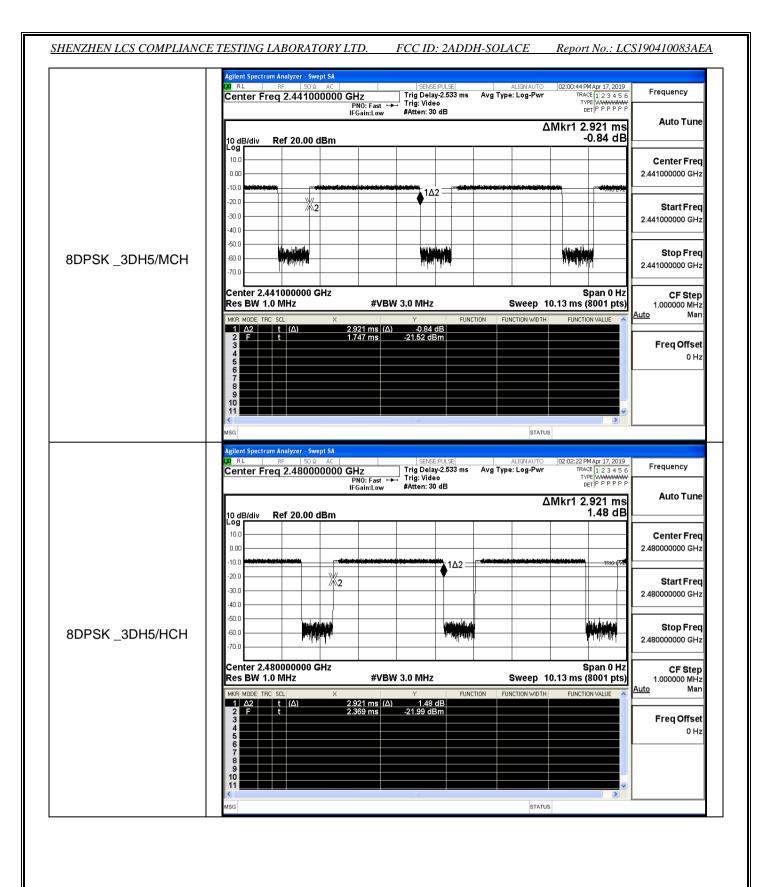
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.31	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.31	0.4	PASS
	DH5	НСН	2.91	106.7	0.31	0.4	PASS
	2DH5	LCH	2.91	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.91	106.7	0.312	0.4	PASS
	2DH5	НСН	2.91	106.7	0.312	0.4	PASS
8DPSK	3DH5	LCH	2.91	106.7	0.312	0.4	PASS
	3DH5	MCH	2.91	106.7	0.312	0.4	PASS
	3DH5	НСН	2.91	106.7	0.312	0.4	PASS





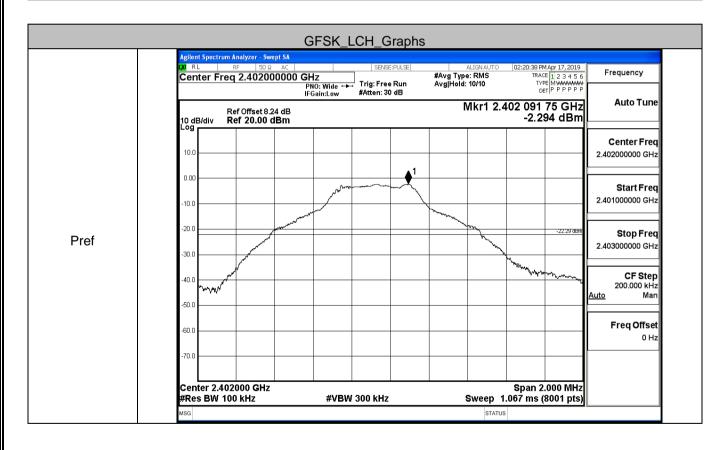




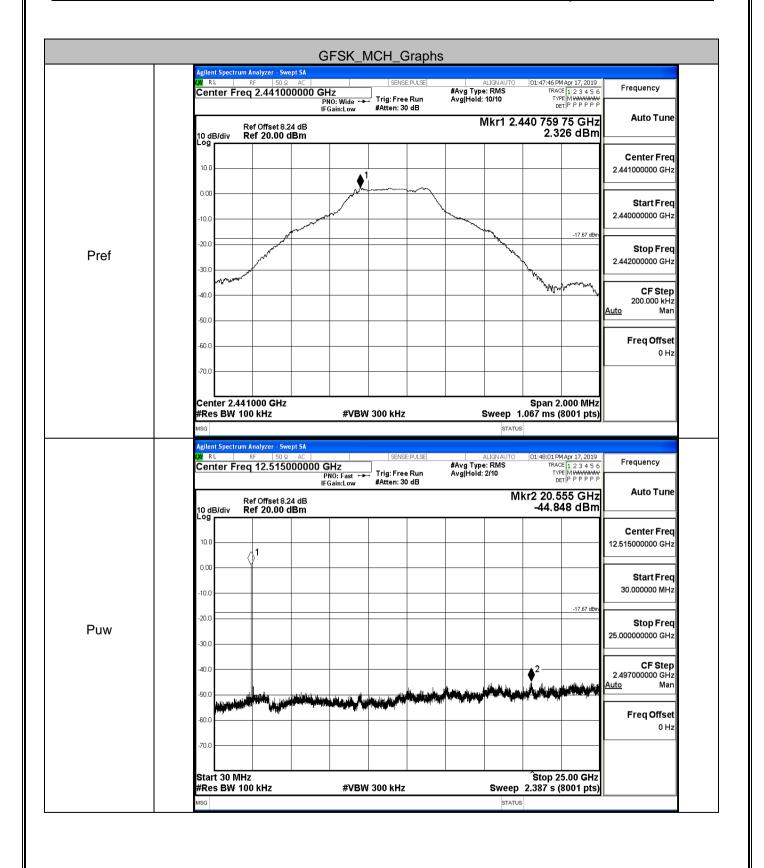


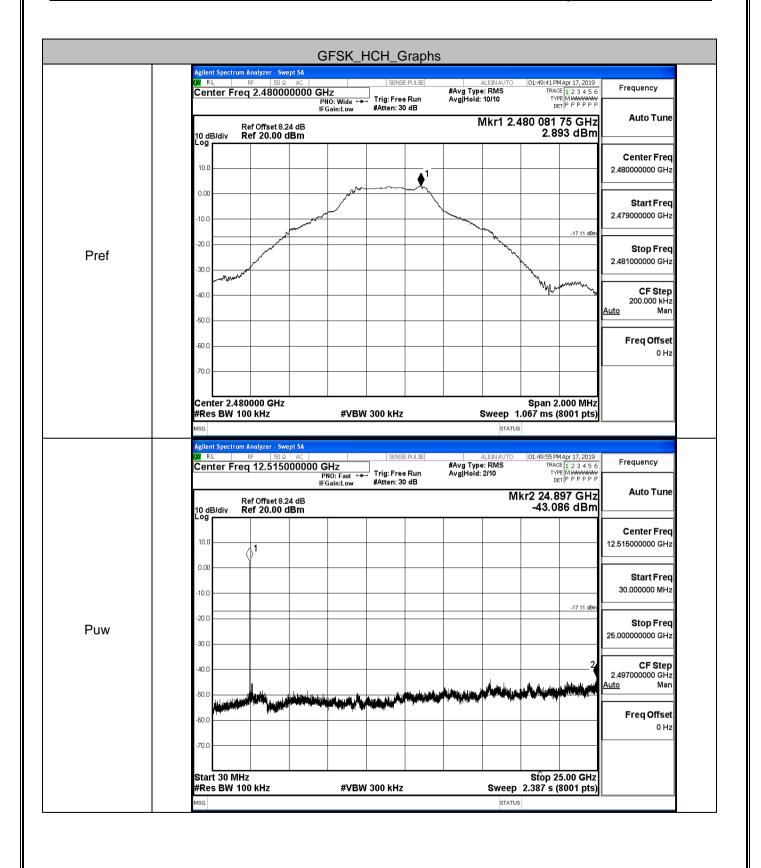
### A.6 RF Conducted Spurious Emissions

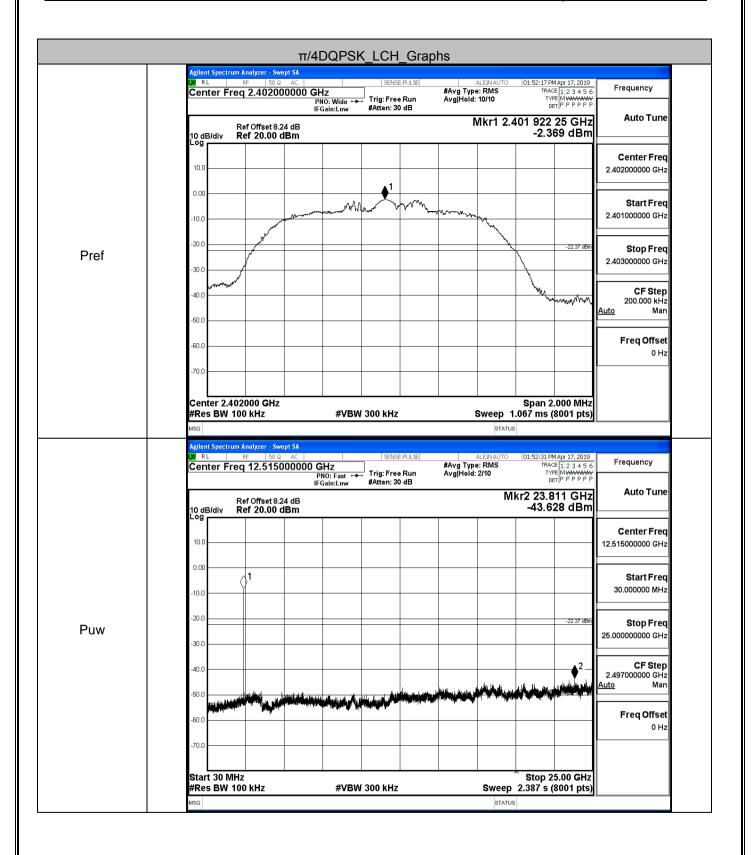
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-2.294	-44.650	-22.294	PASS
GFSK	MCH	2.326	-44.848	-17.674	PASS
	HCH	2.893	-43.086	-17.107	PASS
	LCH	-2.369	-43.628	-22.369	PASS
π/4DQPSK	MCH	-0.856	-44.731	-20.856	PASS
	HCH	-0.188	-43.983	-20.188	PASS
	LCH	-2.341	-44.120	-22.341	PASS
8DPSK	MCH	-0.892	-43.231	-20.892	PASS
	HCH	-0.073	-44.629	-20.073	PASS

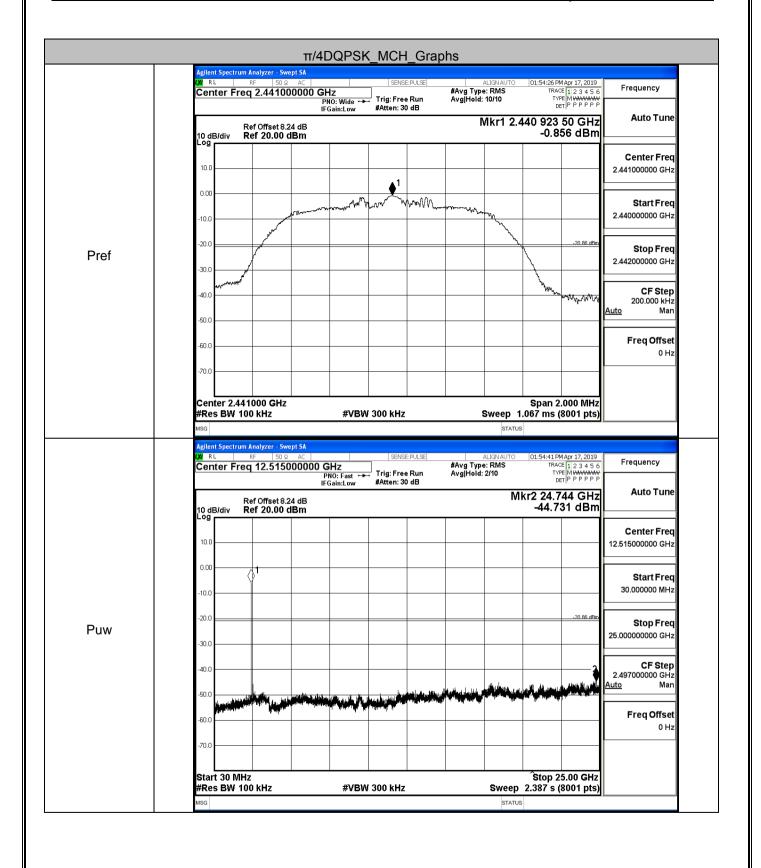


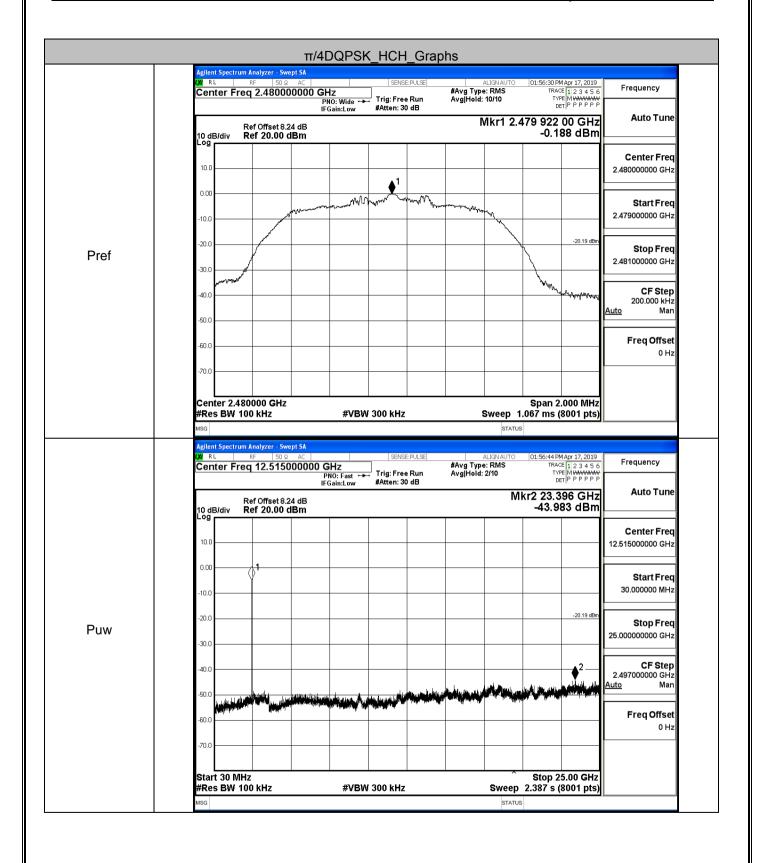
STATUS

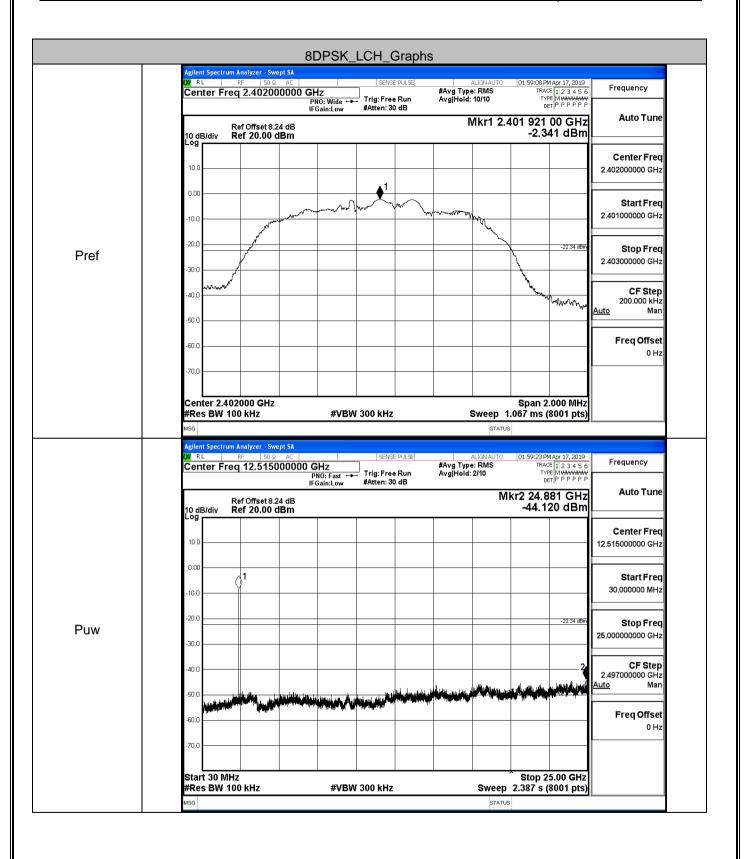


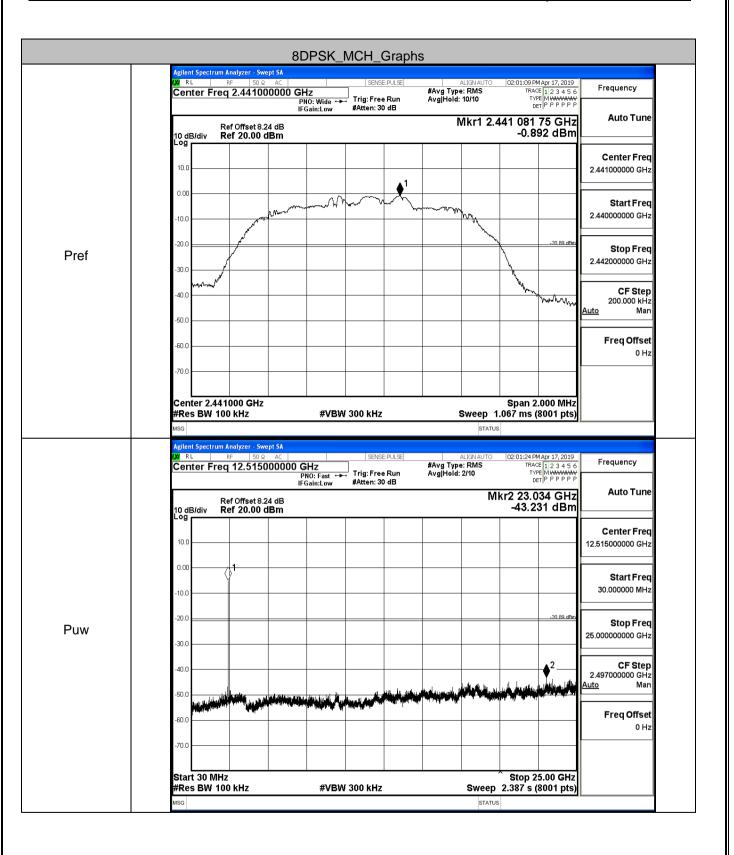


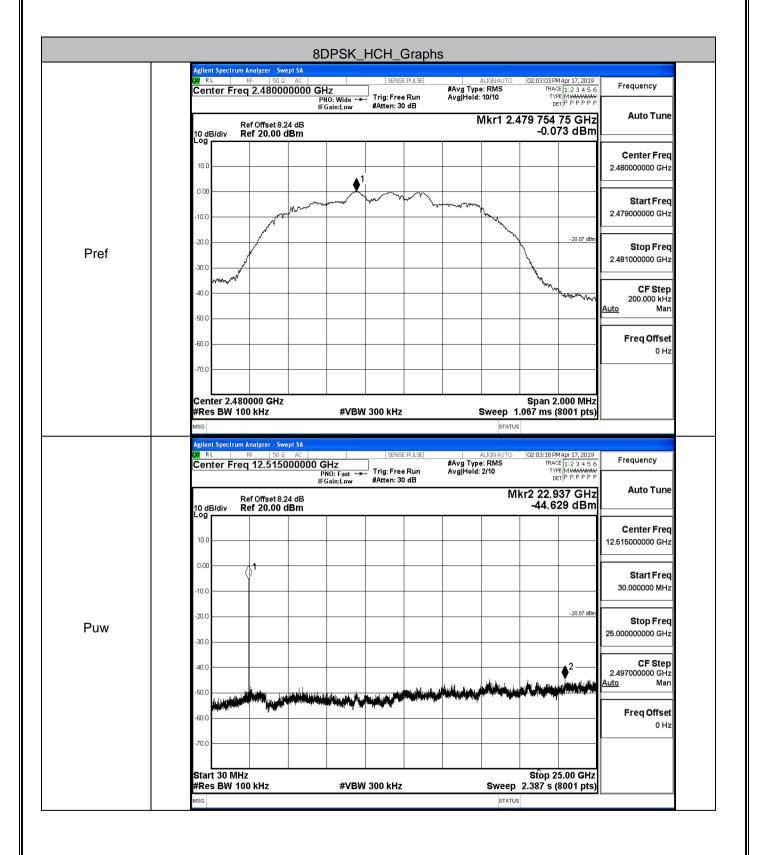






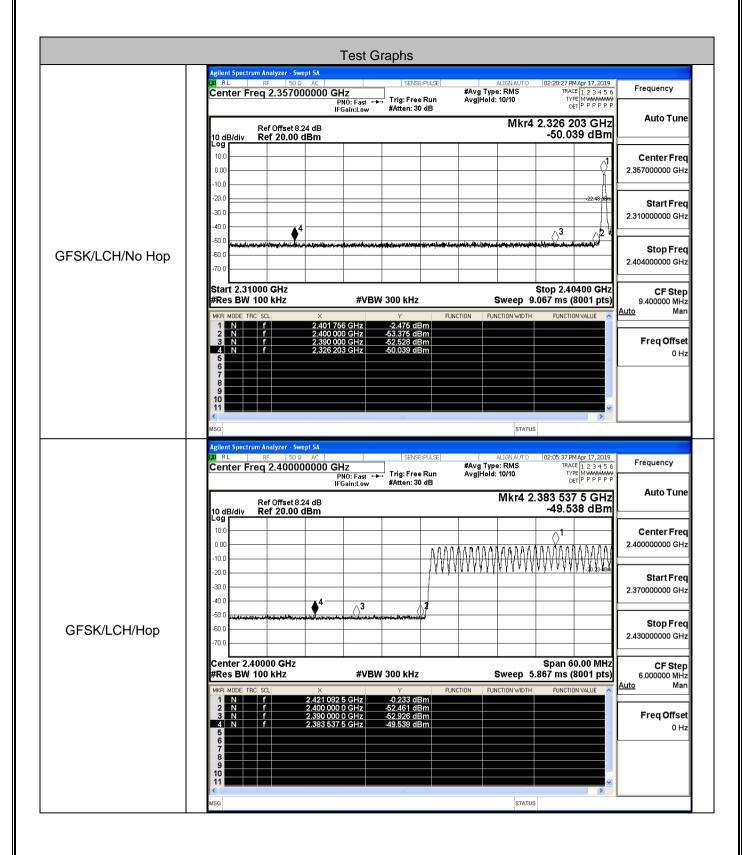


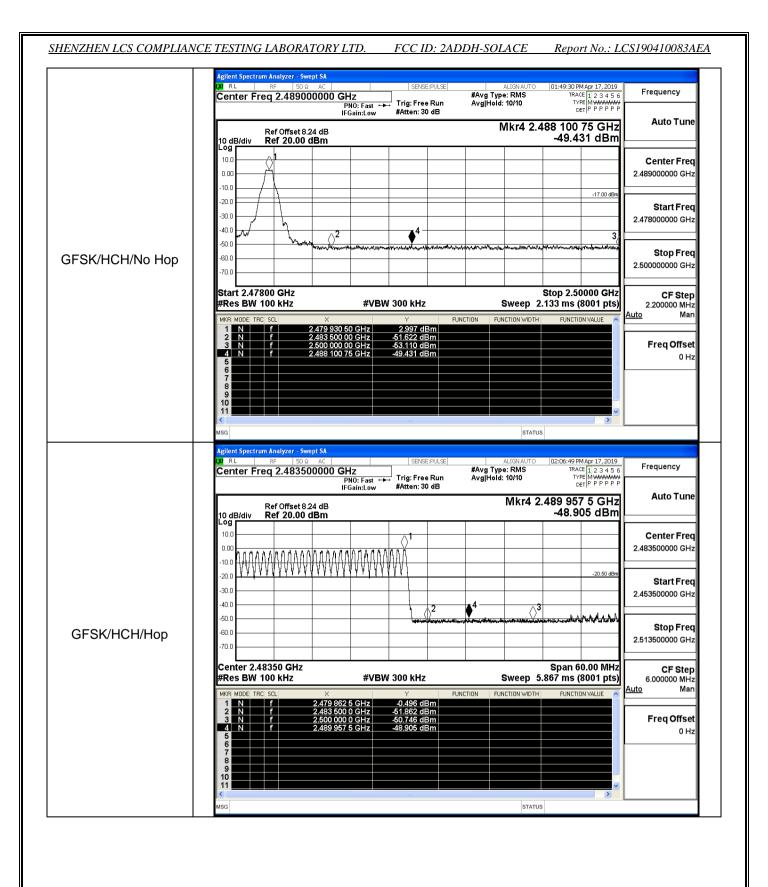


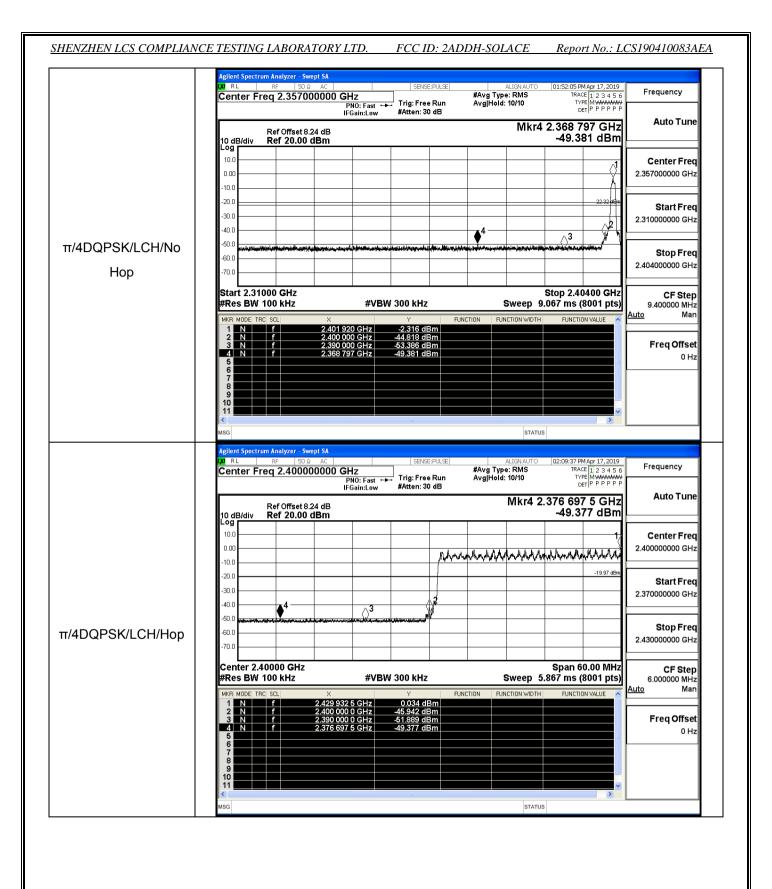


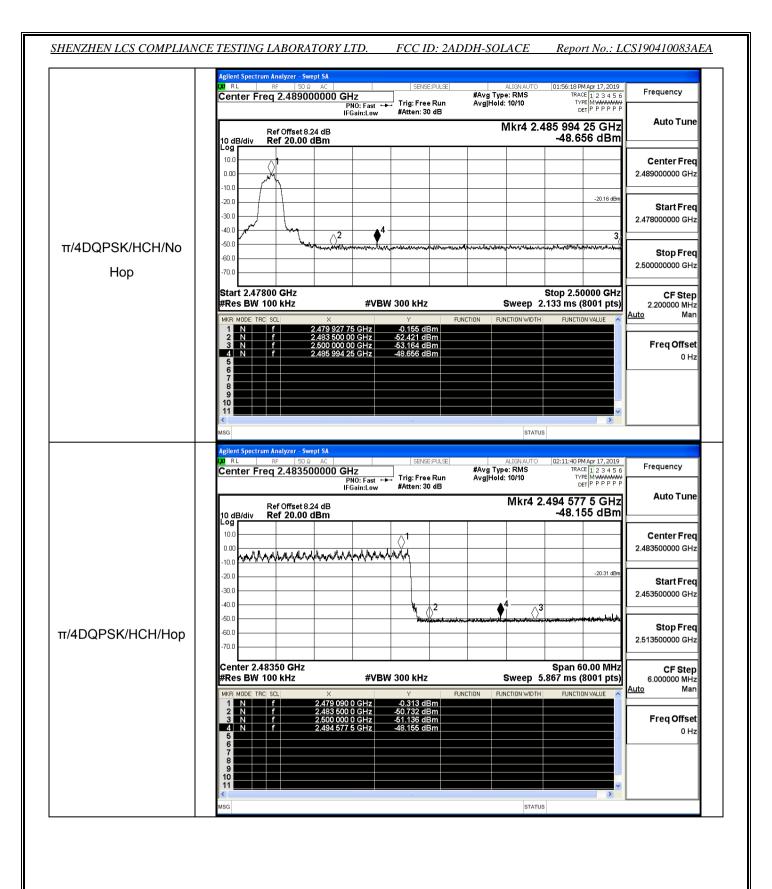
## A.7 Band-edge for RF Conducted Emissions

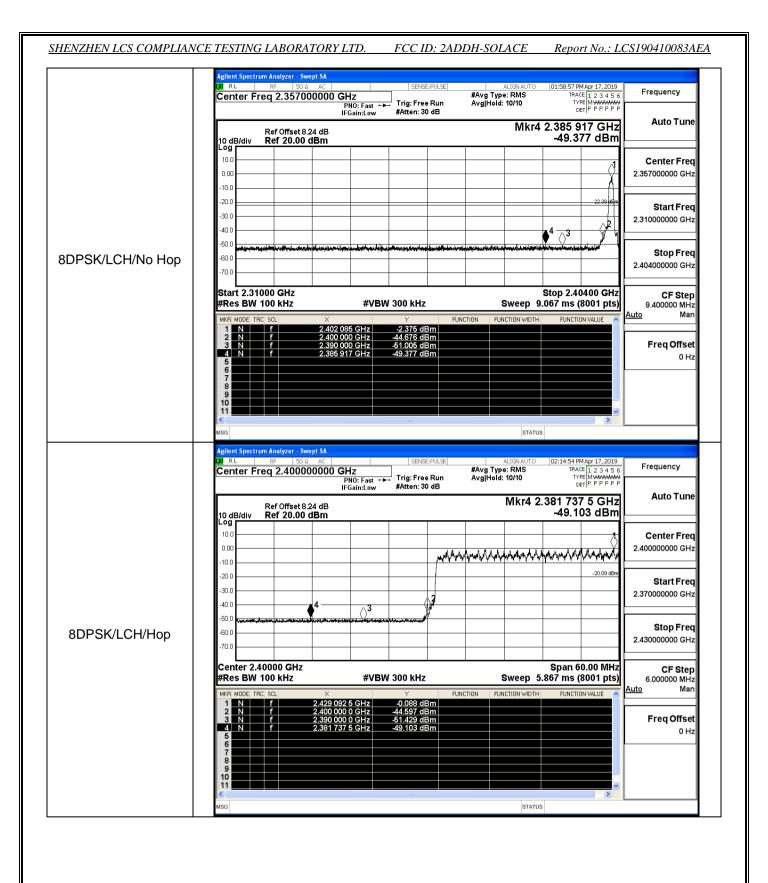
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-2.475	Off	-50.039	-22.48	PASS
0.501/	LCH	2402	-0.233	On	-49.538	-20.23	PASS
GFSK	нсн	2480	2.997	Off	-49.431	-17	PASS
			-0.496	On	-48.905	-20.5	PASS
	LCH		-2.316	Off	-49.381	-22.32	PASS
		2402	0.034	On	-49.377	-19.97	PASS
π/4DQPSK	нсн	2480	-0.155	Off	-48.656	-20.16	PASS
			-0.313	On	-48.155	-20.31	PASS
			-2.375	Off	-49.377	-22.38	PASS
	LCH	2402	-0.088	On	-49.103	-20.09	PASS
8DPSK			-0.029	Off	-49.717	-20.03	PASS
	HCH	2480	-0.220	On	-48.917	-20.22	PASS

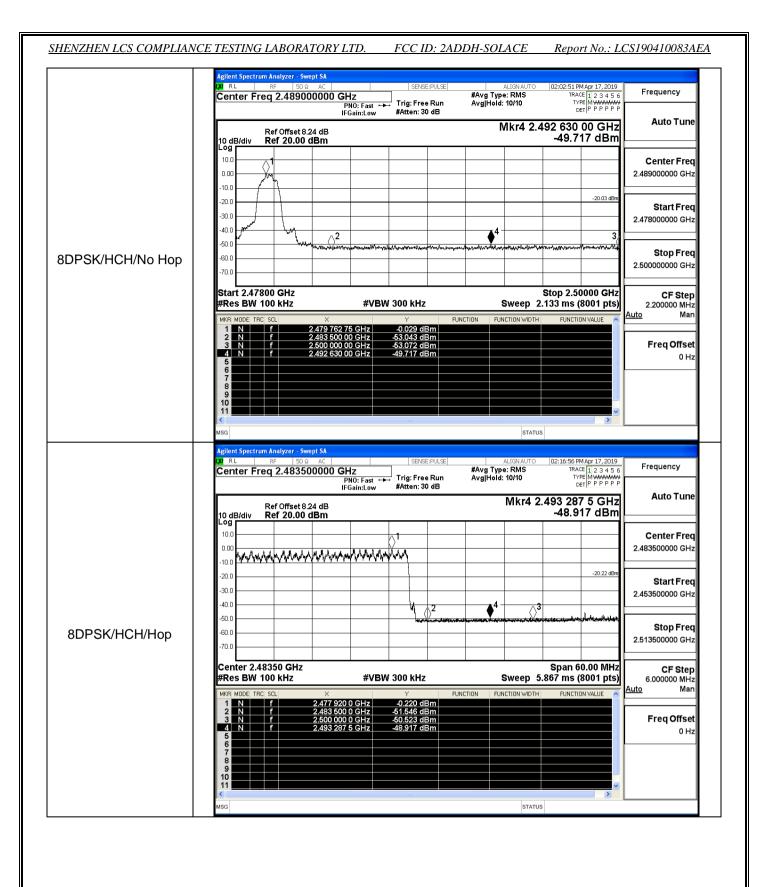








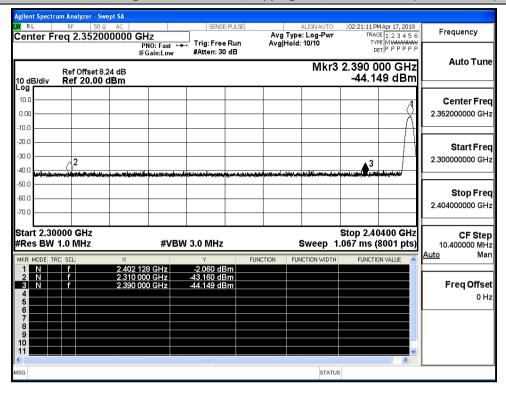




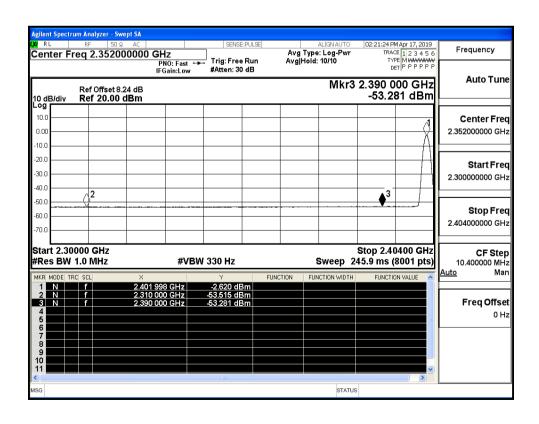
## A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.16	2.0	0	54.10	PEAK	74	PASS
	Off	2310.0	-53.52	2.0	0	43.74	AV	54	PASS
	Off	2390.0	-44.15	2.0	0	53.11	PEAK	74	PASS
	Off	2390.0	-53.28	2.0	0	43.98	AV	54	PASS
GFSK	Off	2483.5	-42.92	2.0	0	54.34	PEAK	74	PASS
	Off	2483.5	-52.72	2.0	0	44.53	AV	54	PASS
	Off	2500.0	-43.66	2.0	0	53.60	PEAK	74	PASS
	Off	2500.0	-52.83	2.0	0	44.43	AV	54	PASS
	Off	2310.0	-40.81	2.0	0	56.44	PEAK	74	PASS
	Off	2310.0	-53.56	2.0	0	43.70	AV	54	PASS
	Off	2390.0	-42.24	2.0	0	55.02	PEAK	74	PASS
	Off	2390.0	-53.16	2.0	0	44.10	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.76	2.0	0	54.50	PEAK	74	PASS
	Off	2483.5	-52.81	2.0	0	44.45	AV	54	PASS
	Off	2500.0	-42.78	2.0	0	54.48	PEAK	74	PASS
	Off	2500.0	-52.89	2.0	0	44.37	AV	54	PASS
	Off	2310.0	-43.76	2.0	0	53.50	PEAK	74	PASS
	Off	2310.0	-53.32	2.0	0	43.94	AV	54	PASS
	Off	2390.0	-42.52	2.0	0	54.73	PEAK	74	PASS
	Off	2390.0	-53.17	2.0	0	44.09	AV	54	PASS
8DPSK	Off	2483.5	-43.35	2.0	0	53.91	PEAK	74	PASS
	Off	2483.5	-52.85	2.0	0	44.41	AV	54	PASS
	Off	2500.0	-42.45	2.0	0	54.81	PEAK	74	PASS
	Off	2500.0	-52.82	2.0	0	44.44	AV	54	PASS

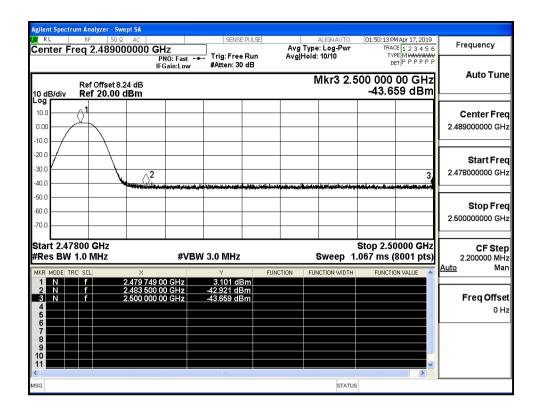
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



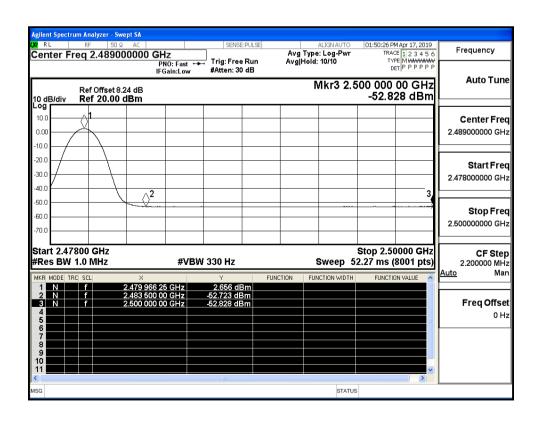
### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)

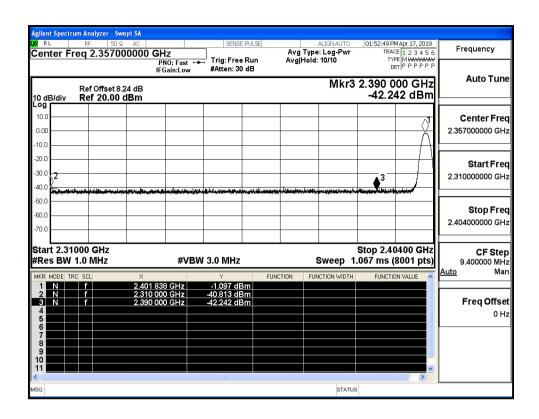


#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)

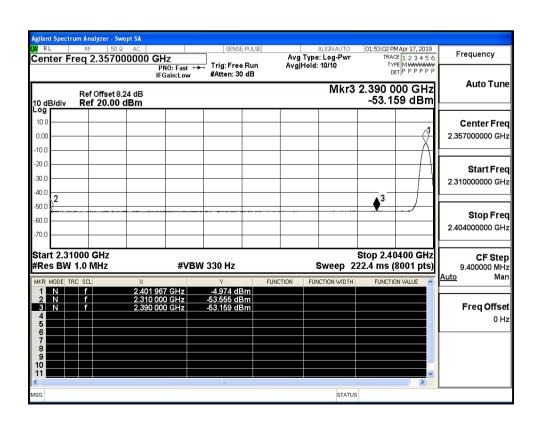


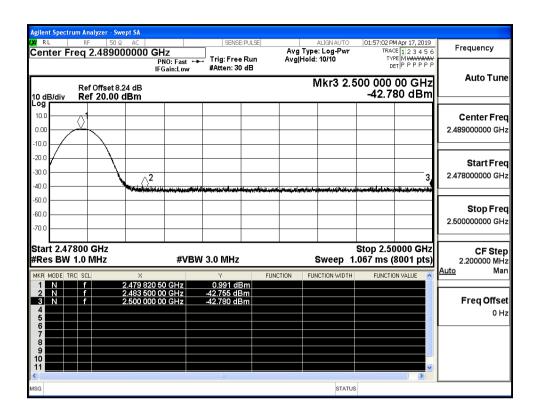
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



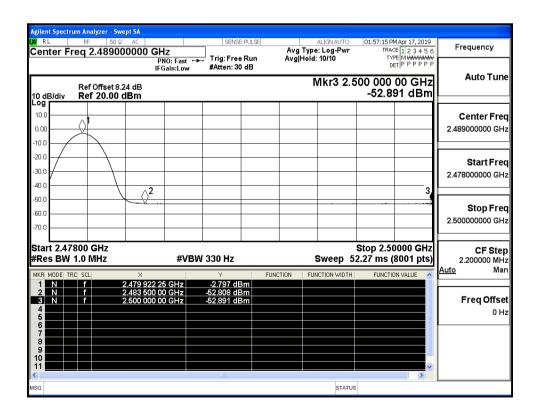


Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)

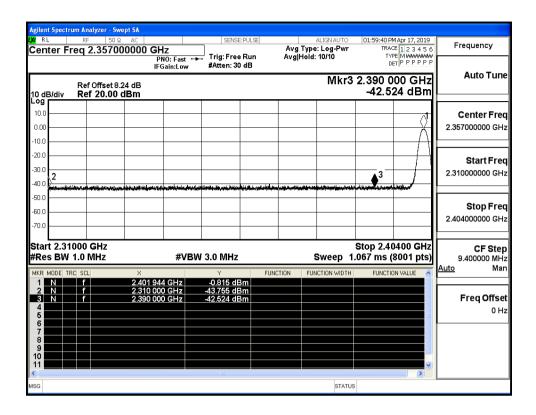




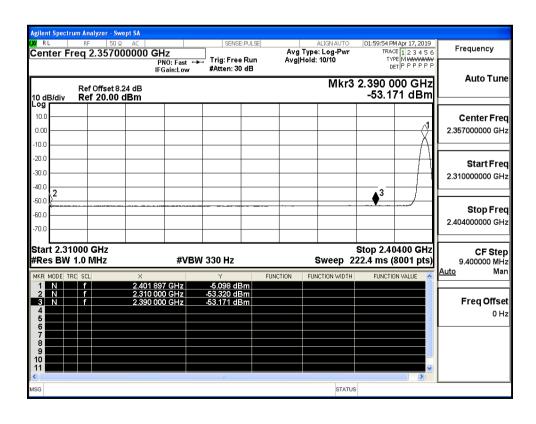
Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



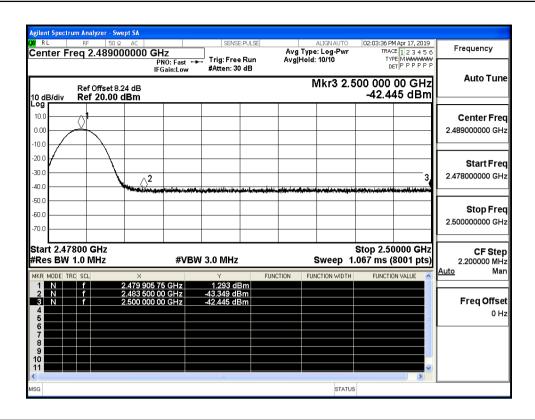
### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



### 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)

