# Appendix A

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

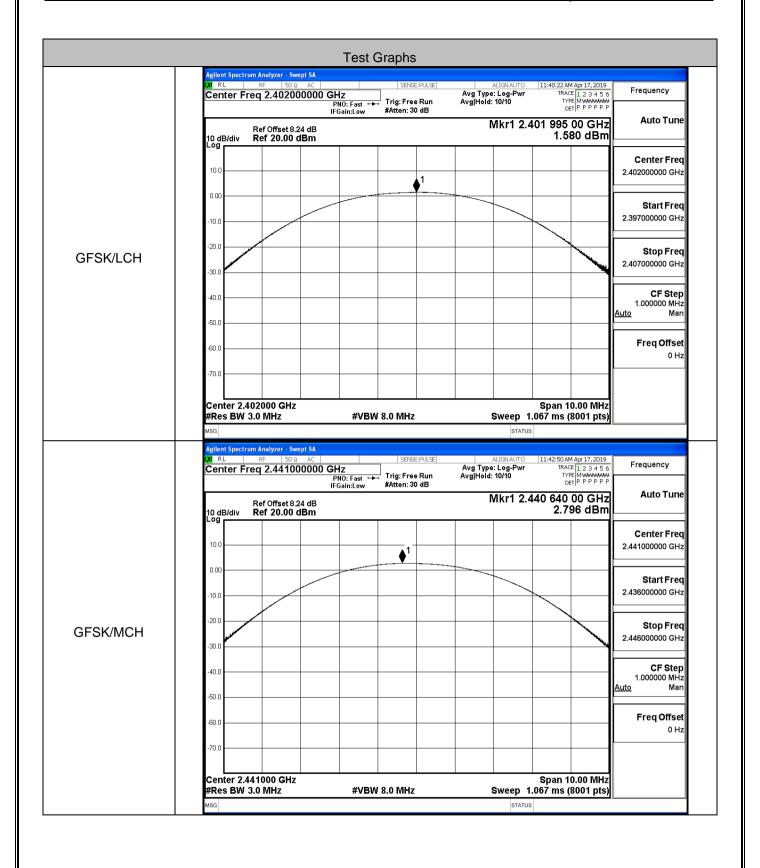
**Product Name: BT300ANC Over Ear Wireless Headphones** Trade Mark: N/A Test Model: 33834

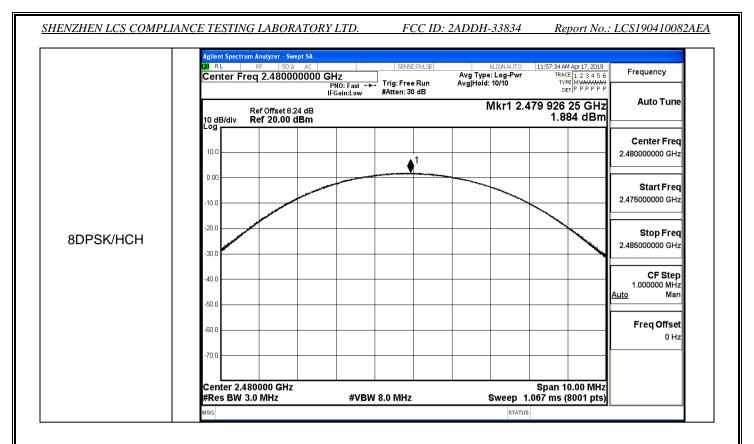
## **Environmental Conditions**

_	
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**

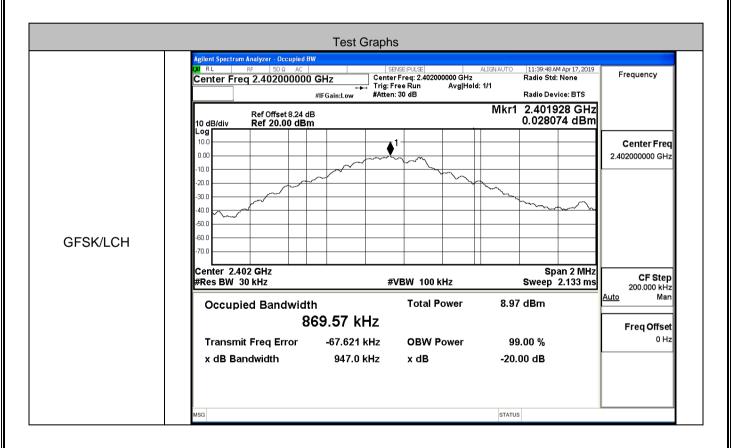
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.580	30	PASS
GFSK	MCH	2.796	30	PASS
	НСН	3.228	30	PASS
	LCH	-0.603	21	PASS
π/4DQPSK	MCH	0.884	21	PASS
	НСН	1.493	21	PASS
	LCH	-0.140	21	PASS
8DPSK	8DPSK MCH 1		21	PASS
	HCH	1.884	21	PASS





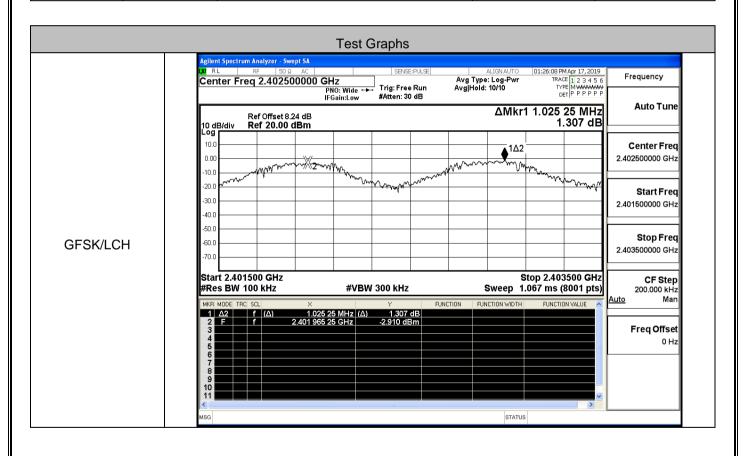
# A.2 20dB Bandwidth

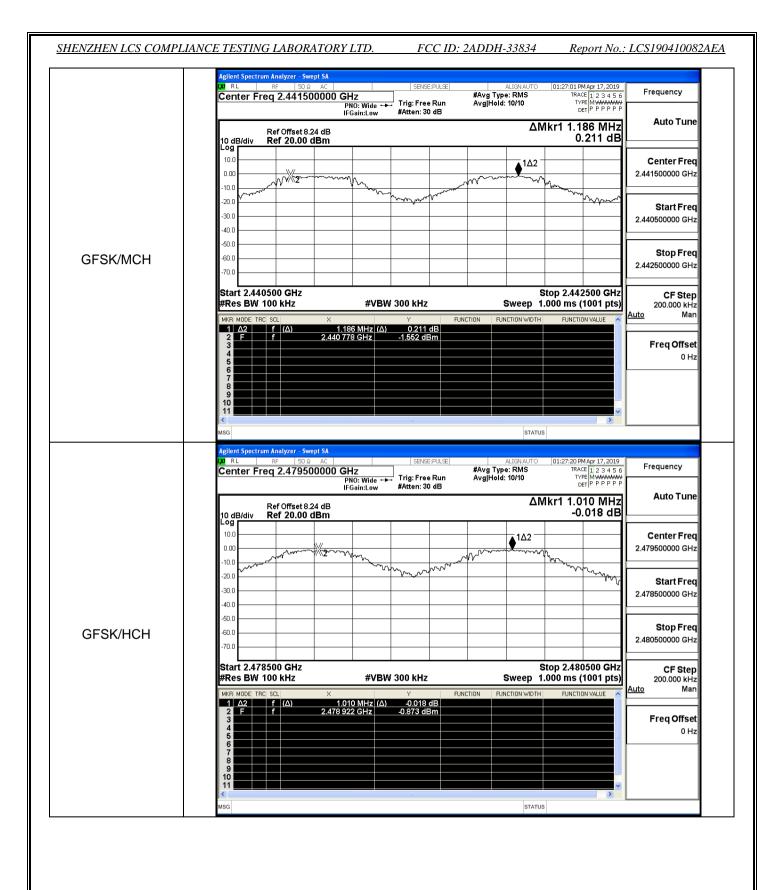
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9470	Not Specified	PASS
GFSK	MCH	0.9464	Not Specified	PASS
	НСН	0.9452	Not Specified	PASS
	LCH	1.233	Not Specified	PASS
π/4DQPSK	MCH	1.230	Not Specified	PASS
	НСН	1.229	Not Specified	PASS
	LCH	1.264	Not Specified	PASS
8DPSK	MCH	1.264	Not Specified	PASS
	HCH	1.265	Not Specified	PASS

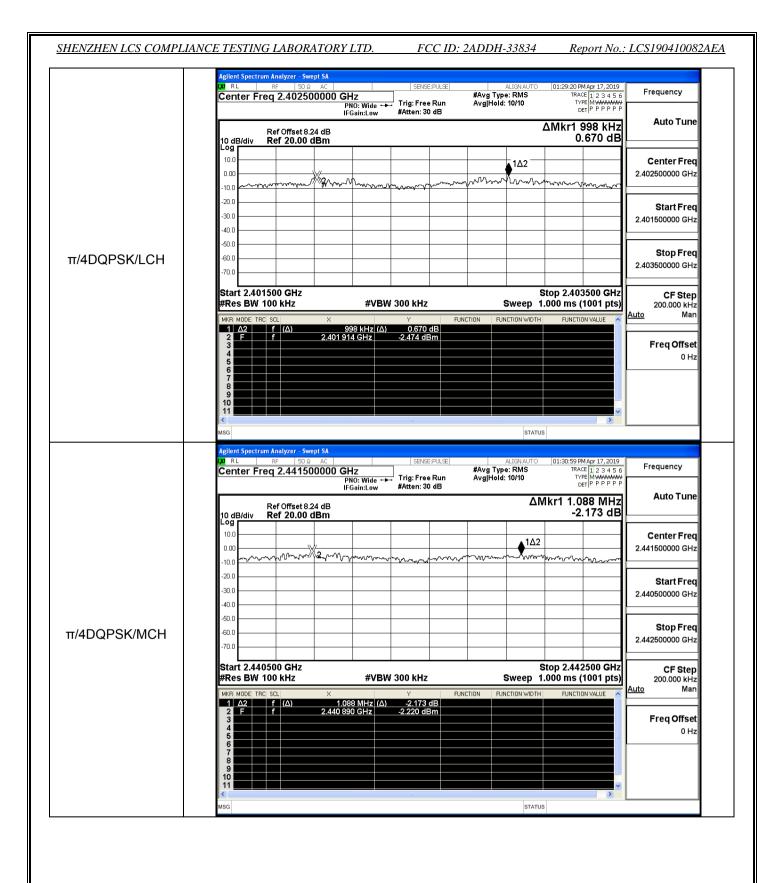


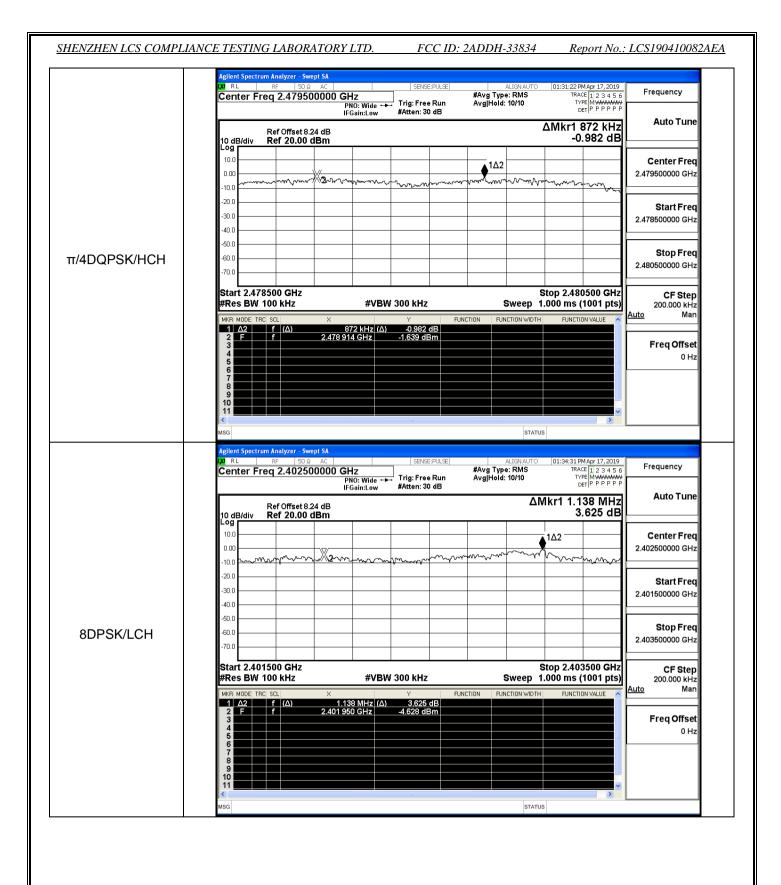
# **A.3 Carrier Frequency Separation**

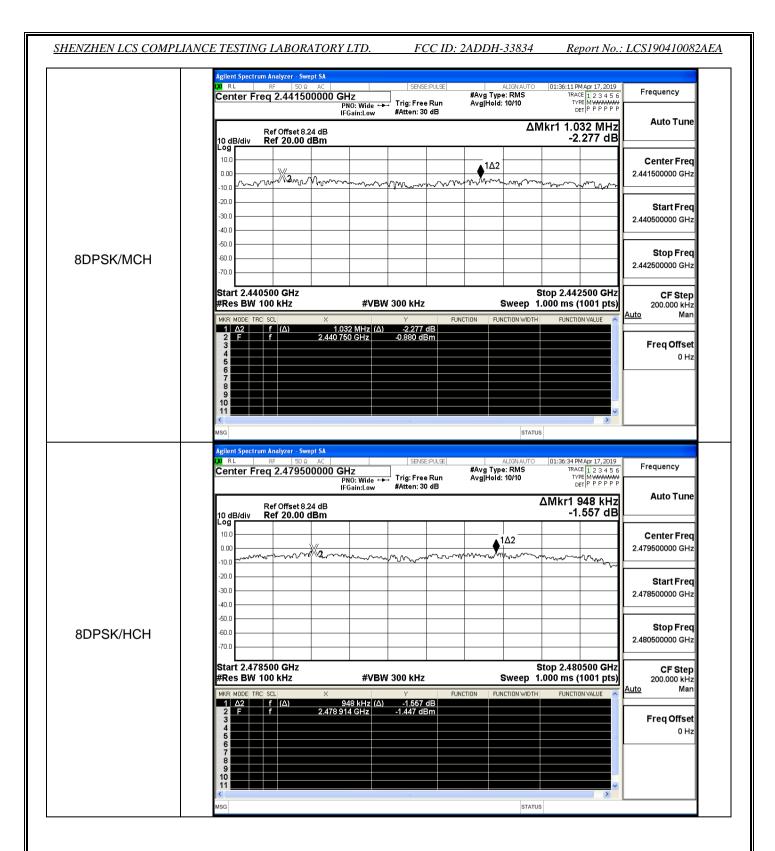
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.025	0.631	PASS
GFSK	MCH	1.186	0.631	PASS
	HCH	1.010	0.631	PASS
	LCH	0.998	0.822	PASS
π/4DQPSK	MCH	1.088	0.822	PASS
	НСН	0.872	0.822	PASS
	LCH	1.138	0.843	PASS
8DPSK	MCH	1.032	0.843	PASS
	HCH	0.948	0.843	PASS





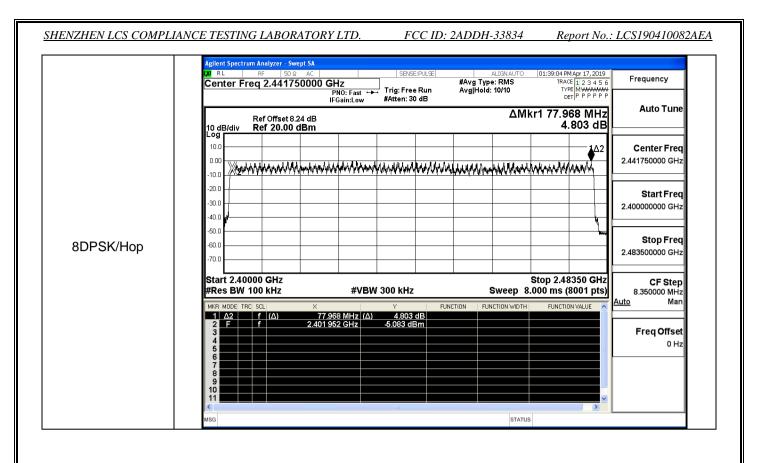






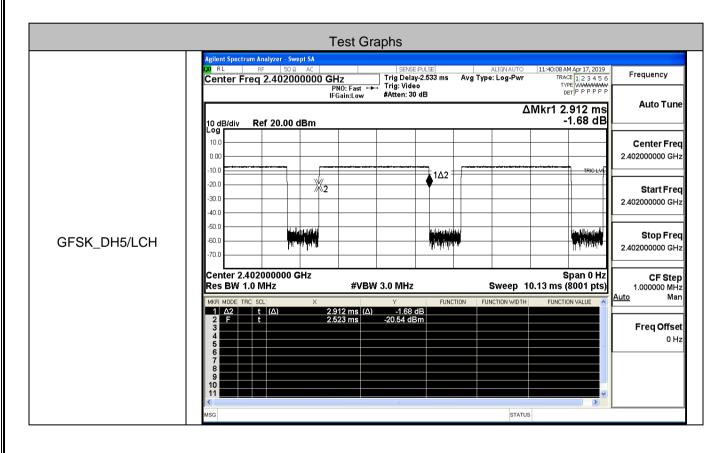
# A.4 Hopping Channel Number

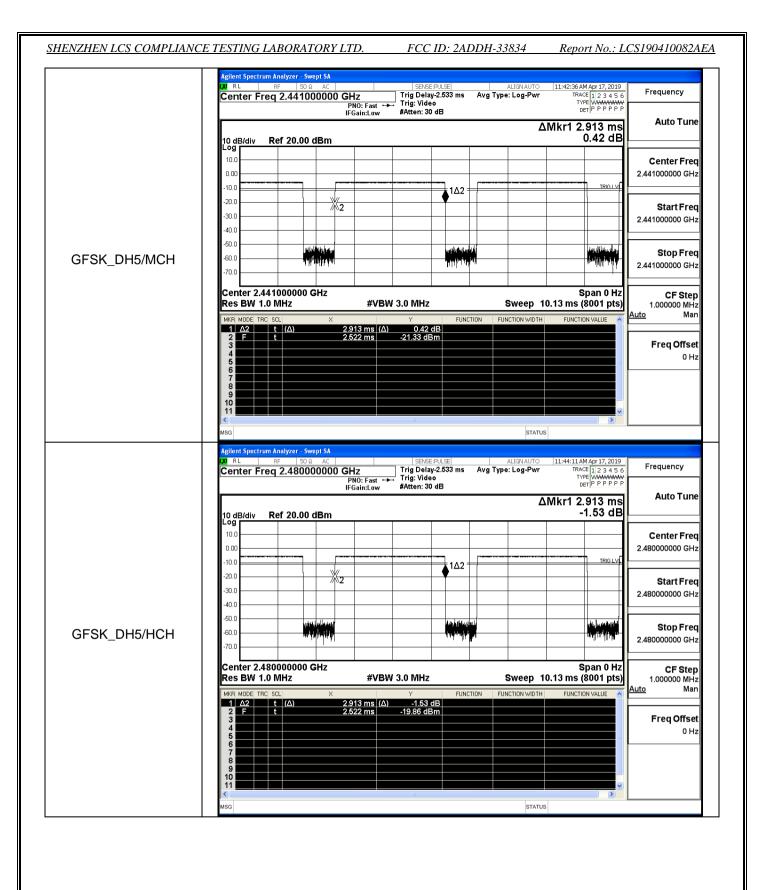
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

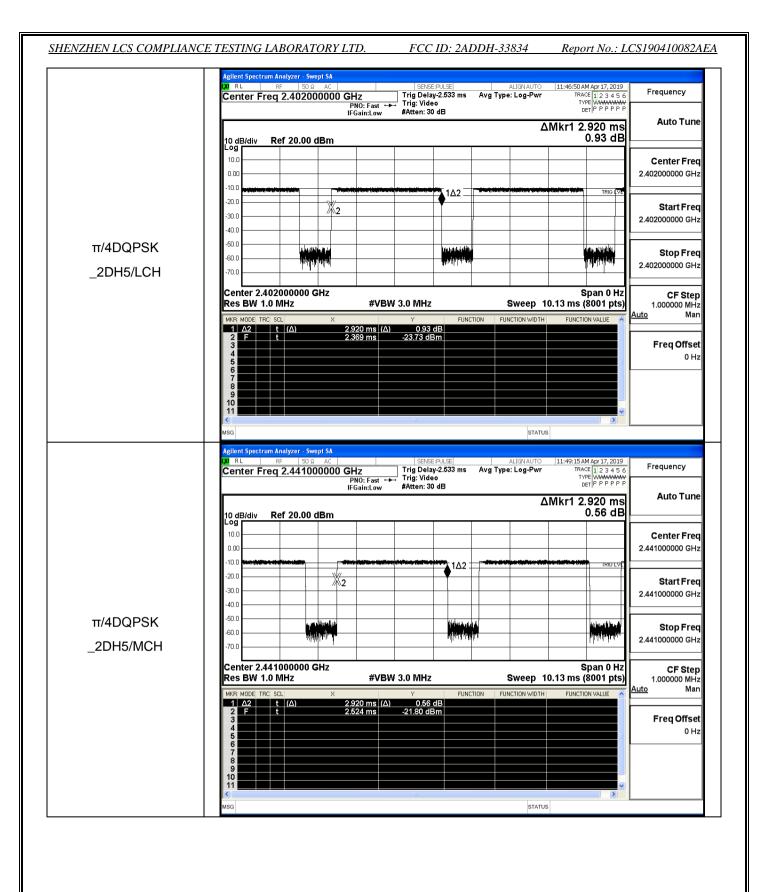


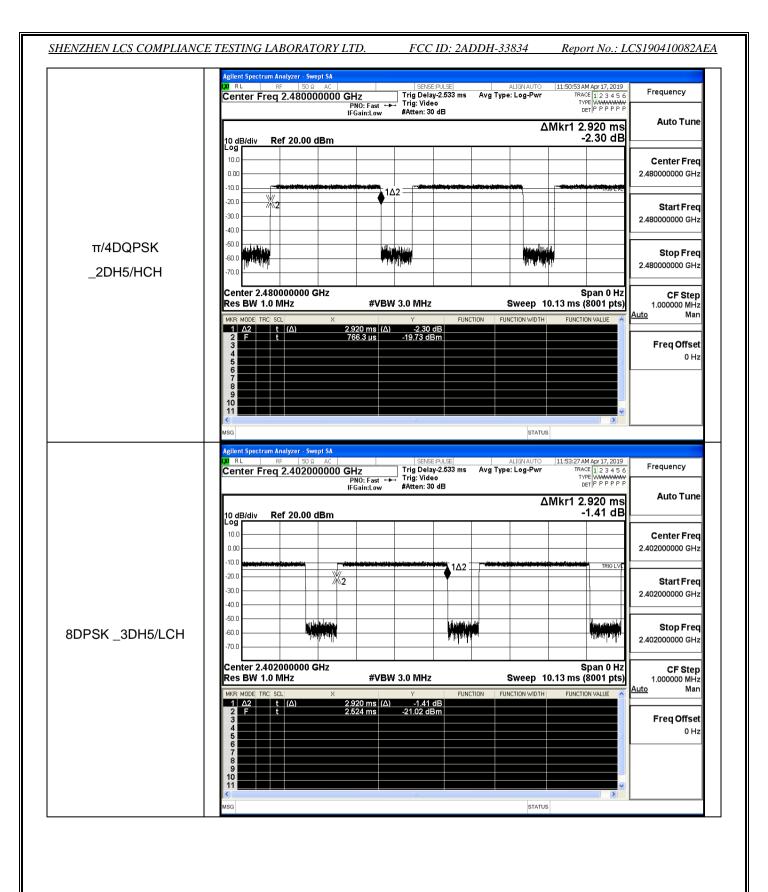
# A.5 Dwell Time

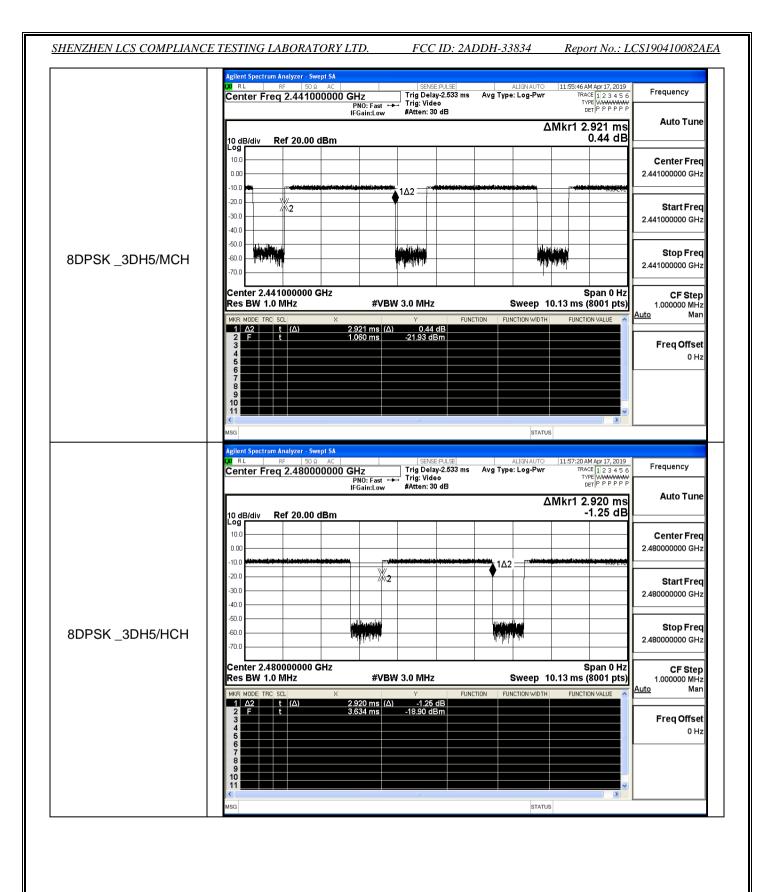
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.31	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.31	0.4	PASS
	DH5	HCH	2.91	106.7	0.31	0.4	PASS
	2DH5	LCH	2.91	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.91	106.7	0.312	0.4	PASS
	2DH5	HCH	2.91	106.7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





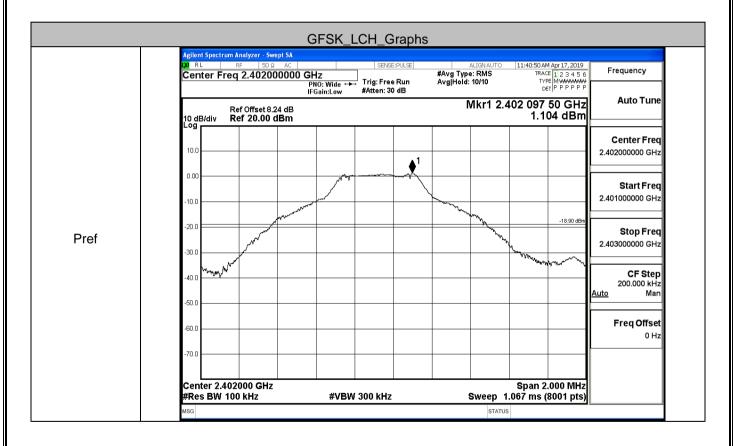




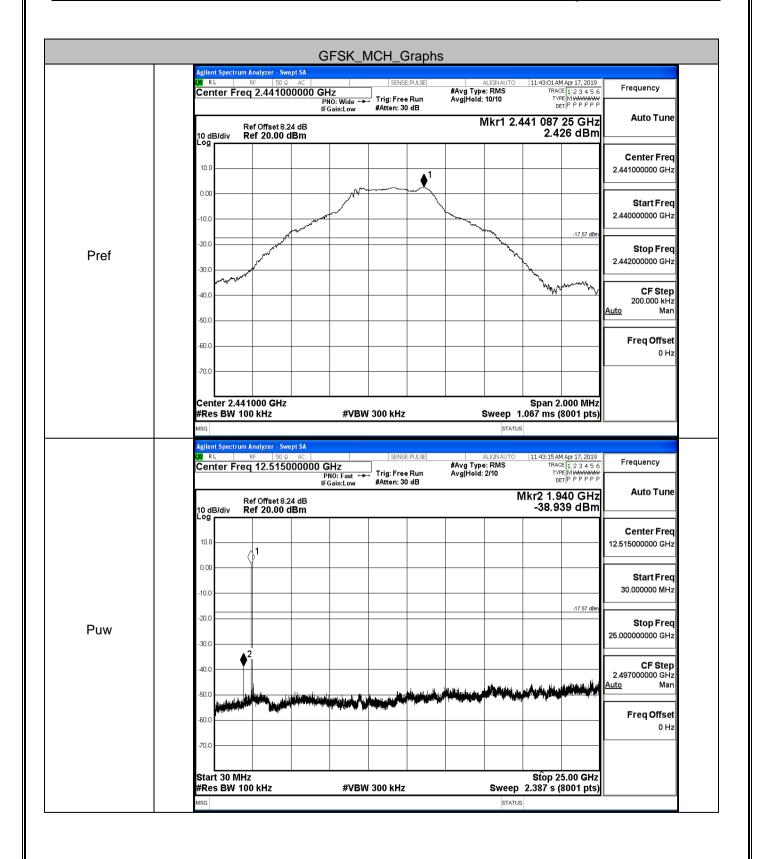


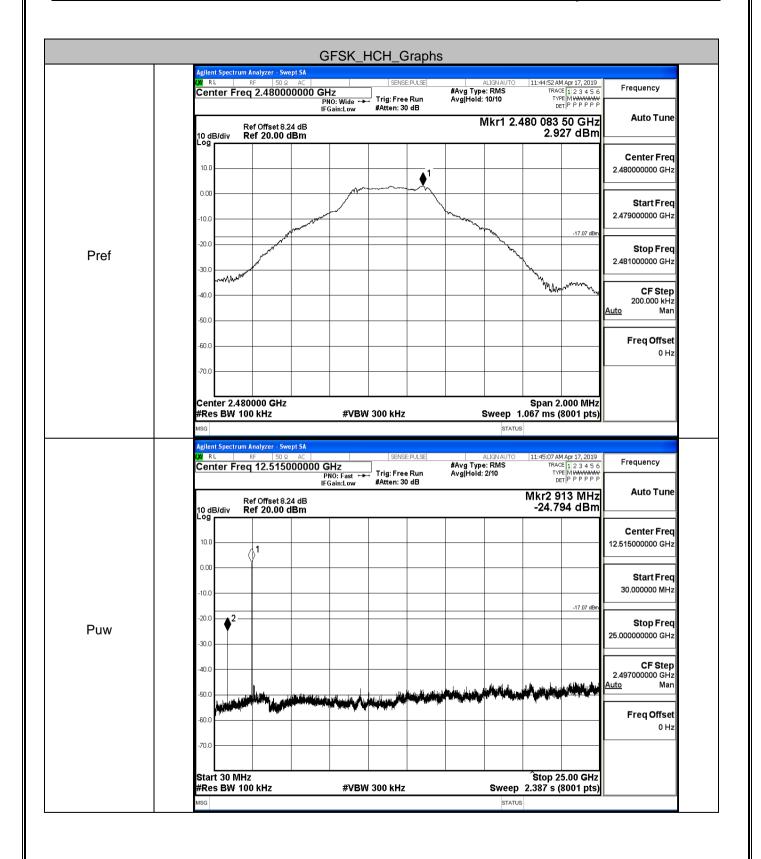
# A.6 RF Conducted Spurious Emissions

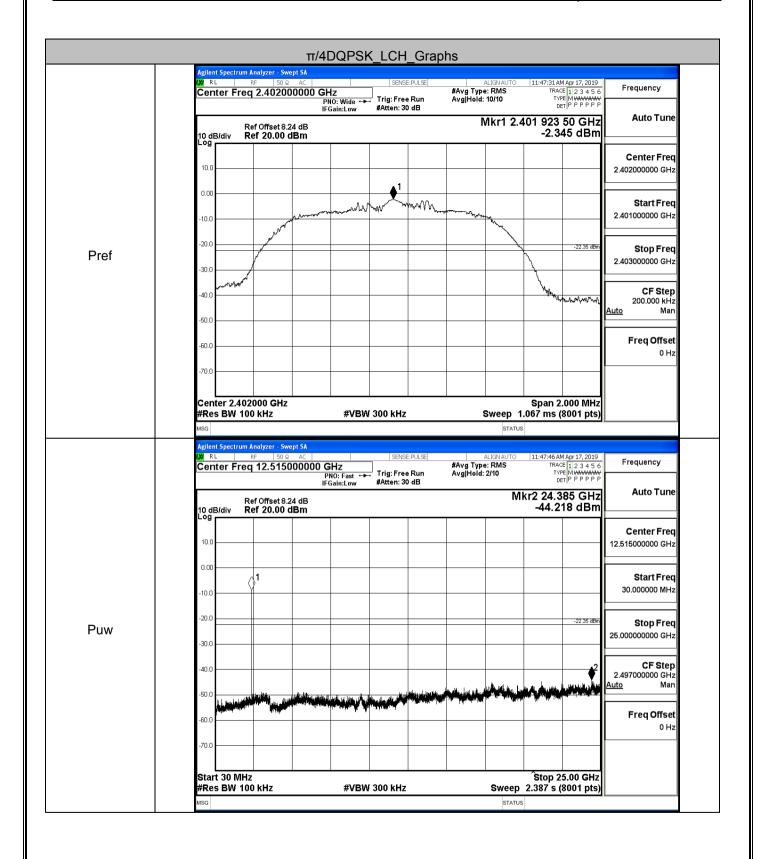
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	1.104	-37.990	-18.896	PASS
GFSK	MCH	2.426	-38.939	-17.574	PASS
	HCH	2.927	-24.794	-17.073	PASS
	LCH	-2.345	-44.218	-22.345	PASS
π/4DQPSK	MCH	-0.867	-44.717	-20.867	PASS
	HCH	-0.281	-32.909	-20.281	PASS
	LCH	-2.244	-43.927	-22.244	PASS
8DPSK	MCH	-0.757	-24.484	-20.757	PASS
	НСН	-0.225	-44.874	-20.225	PASS

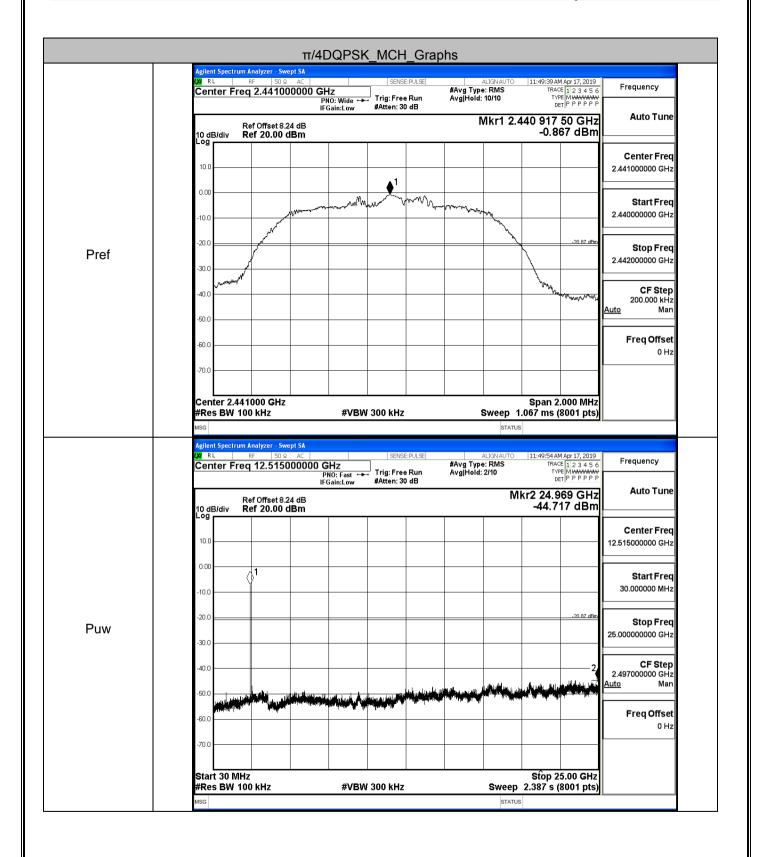


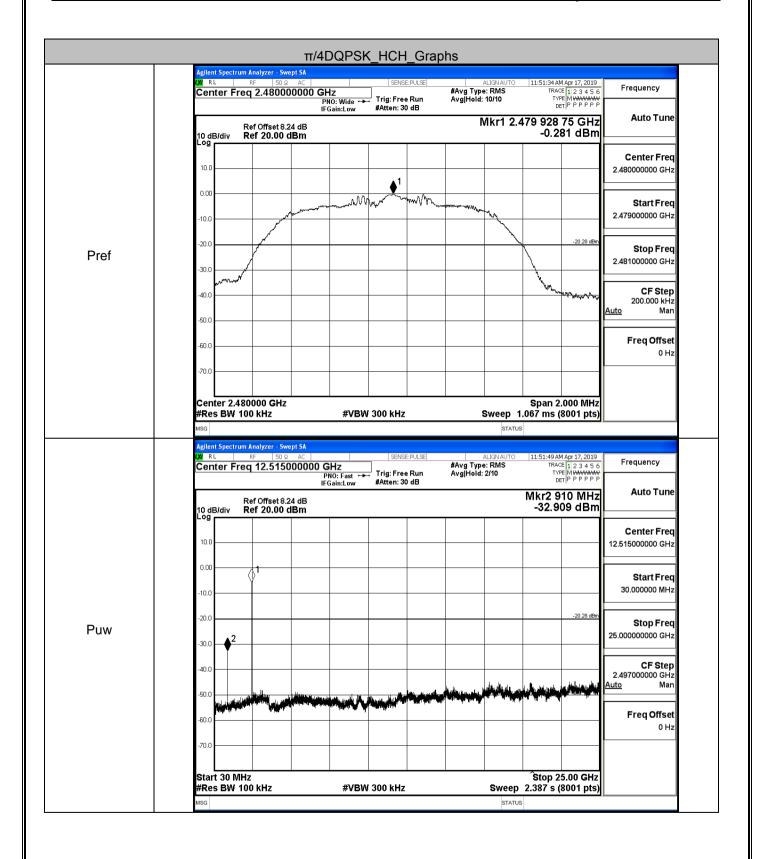
STATUS

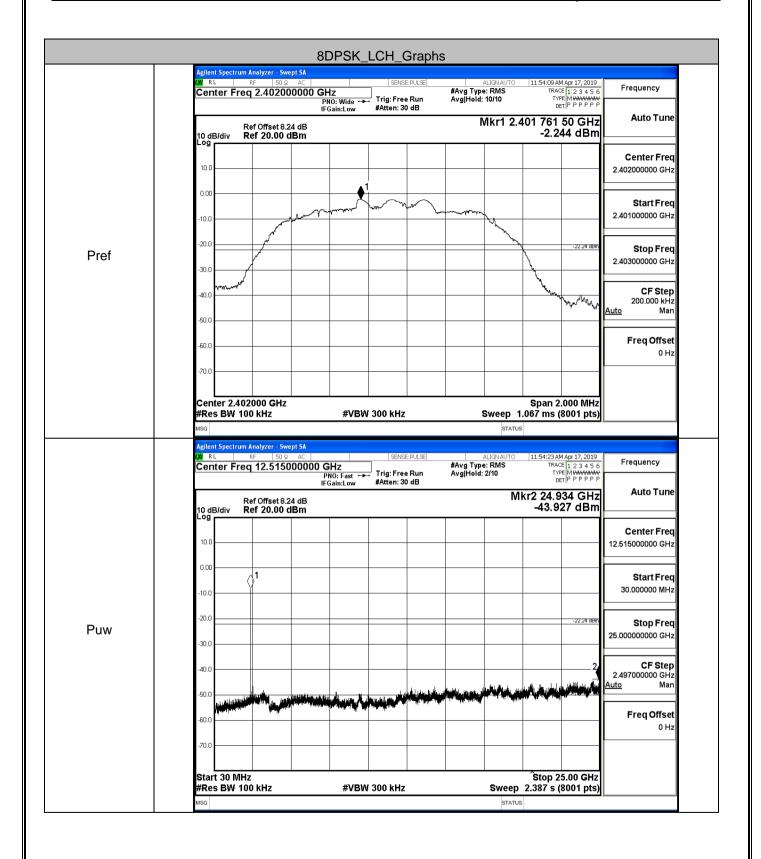


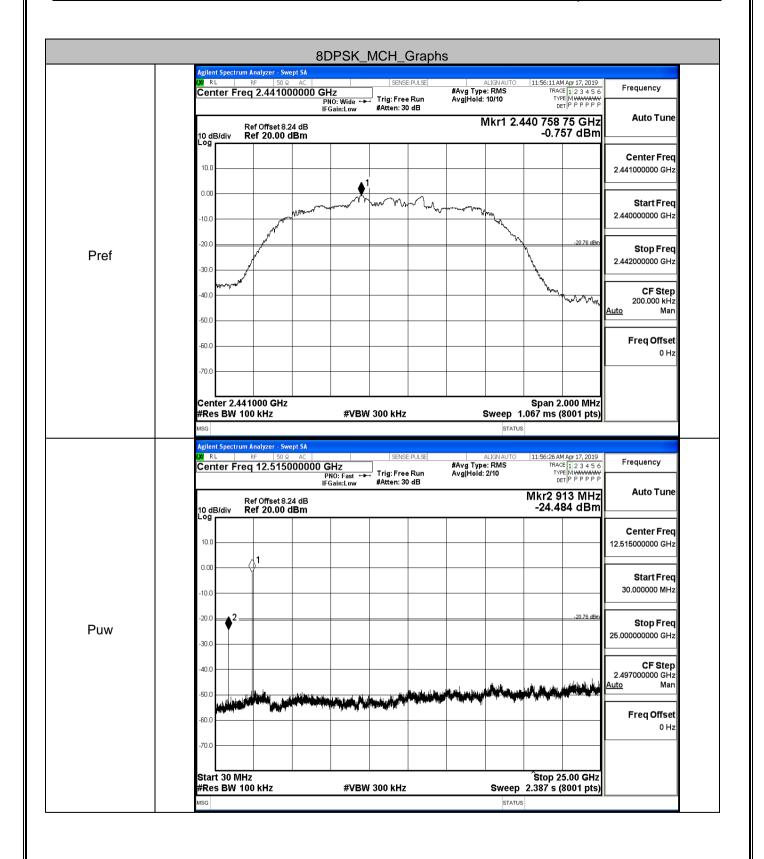


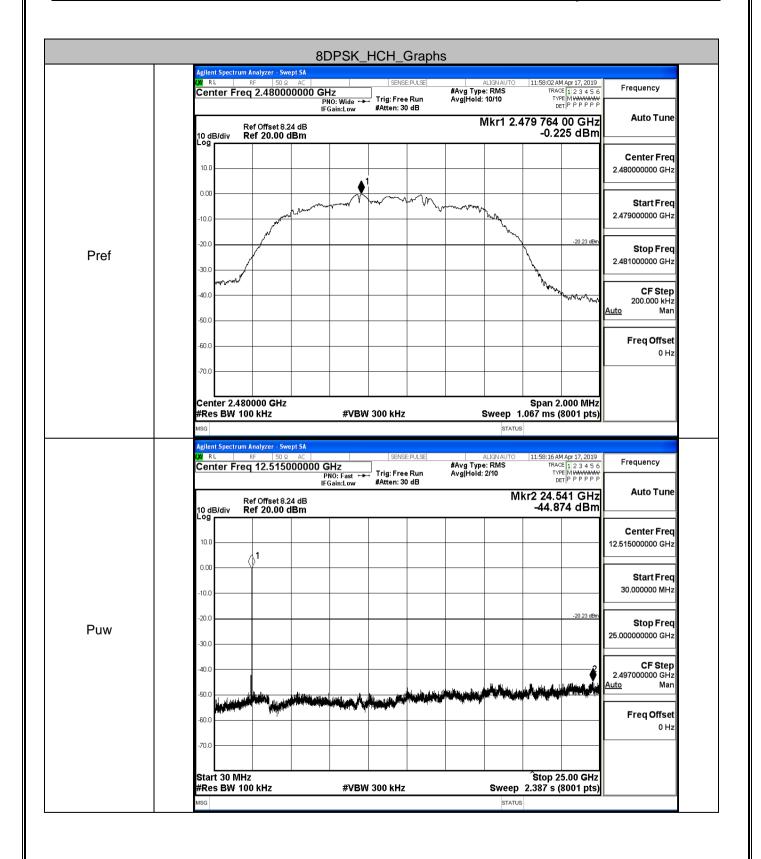






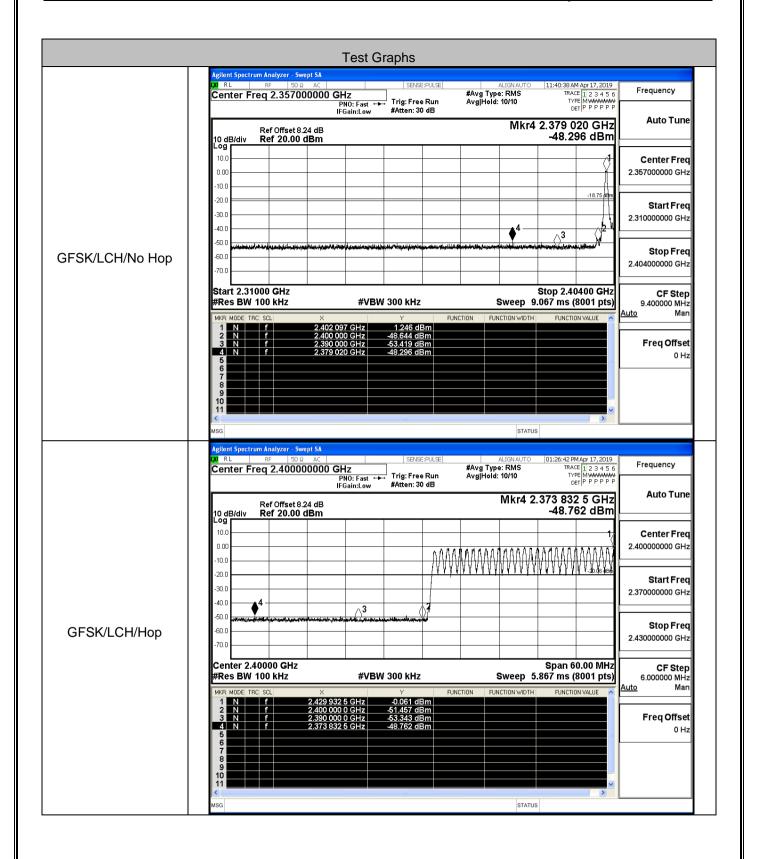


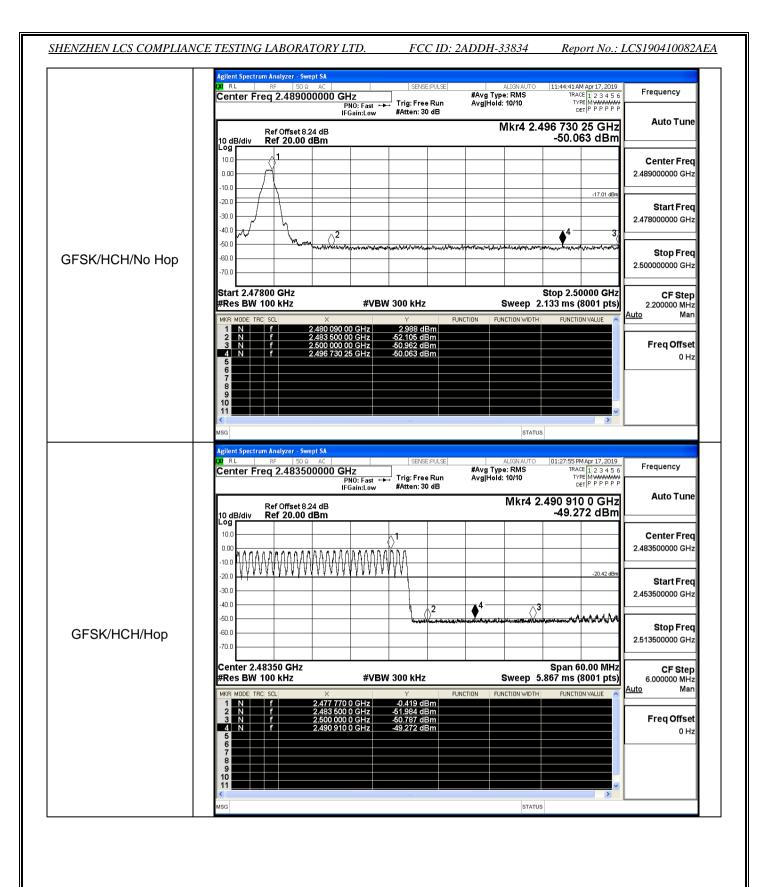


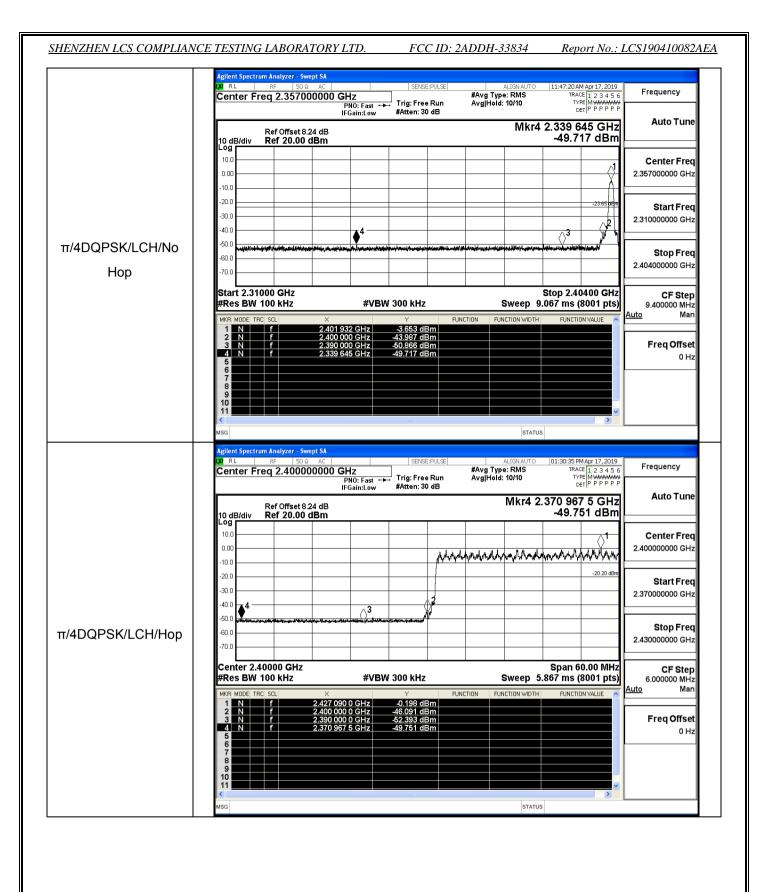


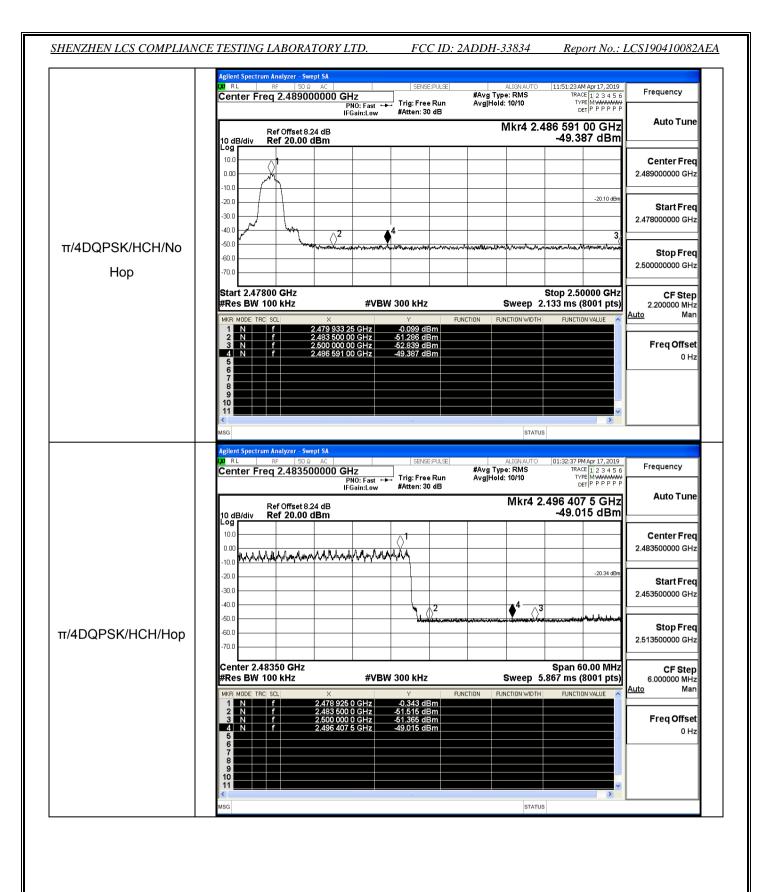
# A.7 Band-edge for RF Conducted Emissions

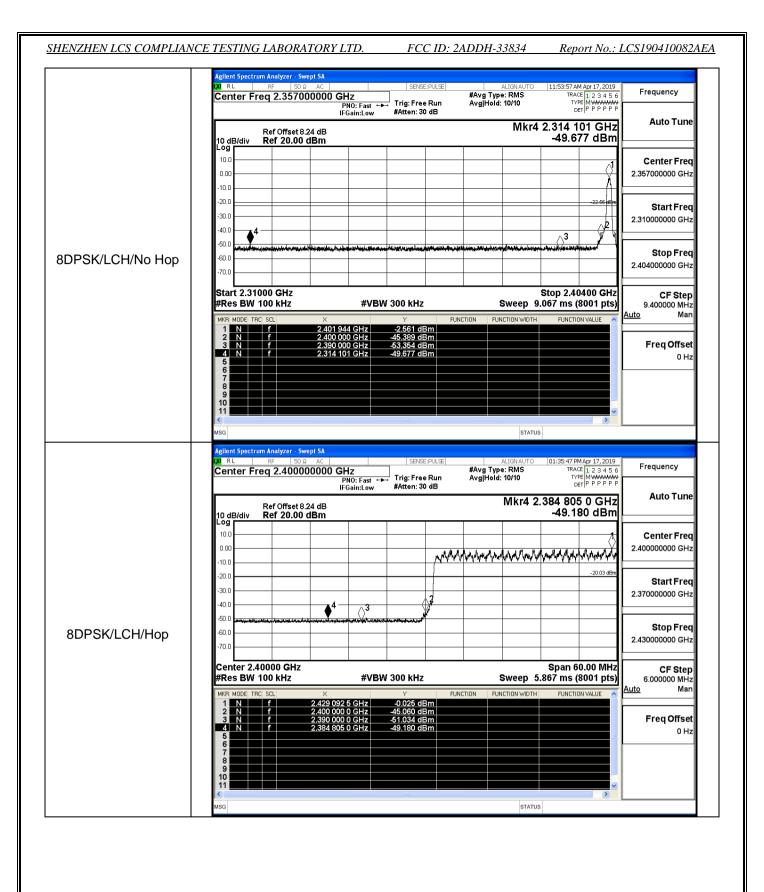
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
			1.246	Off	-48.296	-18.75	PASS		
0.501/	LCH	2402	-0.061	On	-48.762	-20.06	PASS		
GFSK	нсн		2.988	Off	-50.063	-17.01	PASS		
		2480	-0.419	On	-49.272	-20.42	PASS		
	LCH				-3.653	Off	-49.717	-23.65	PASS
		2402	-0.198	On	-49.751	-20.2	PASS		
π/4DQPSK	нсн	CH 2480	-0.099	Off	-49.387	-20.1	PASS		
			-0.343	On	-49.015	-20.34	PASS		
			-2.561	Off	-49.677	-22.56	PASS		
	LCH	2402	-0.025	On	-49.180	-20.03	PASS		
8DPSK			-0.104	Off	-49.308	-20.1	PASS		
	HCH	2480	-0.102	On	-49.009	-20.1	PASS		

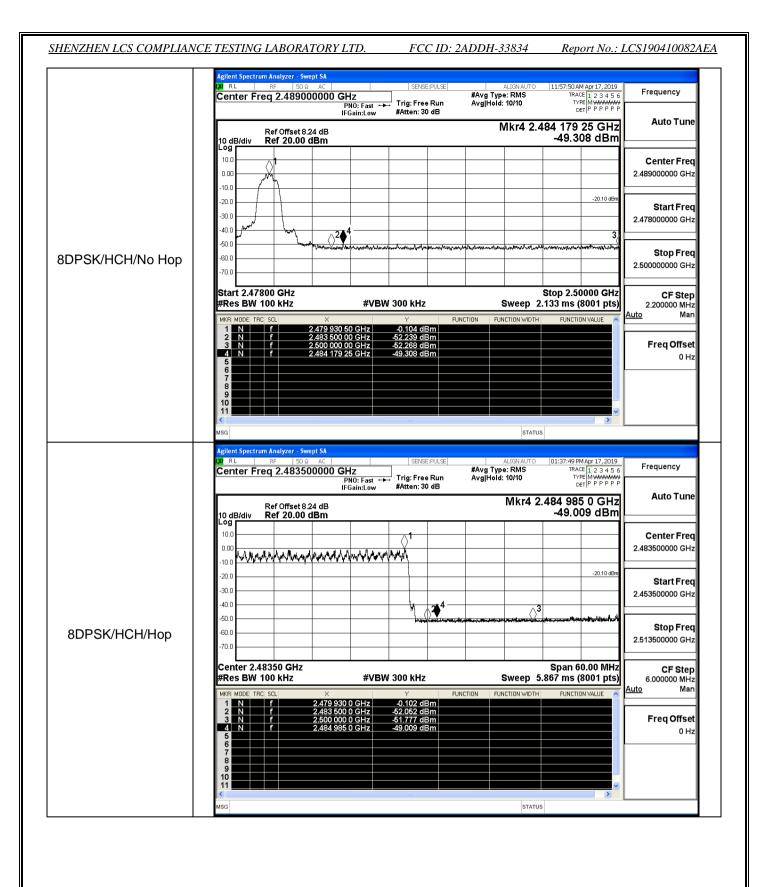






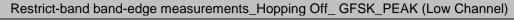


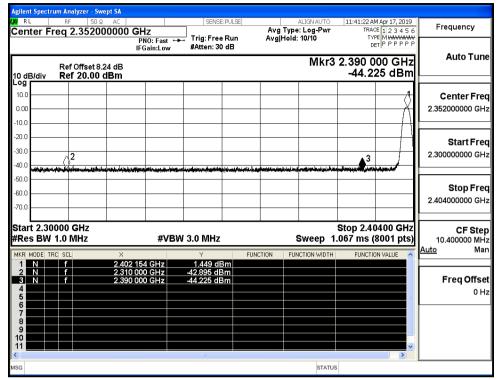




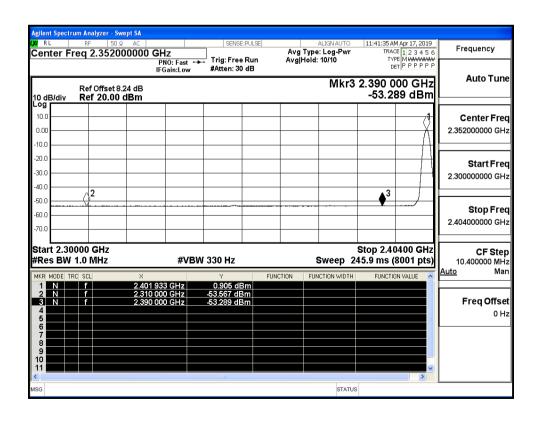
# A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.90	2.0	0	54.36	PEAK	74	PASS
	Off	2310.0	-53.57	2.0	0	43.69	AV	54	PASS
	Off	2390.0	-44.23	2.0	0	53.03	PEAK	74	PASS
	Off	2390.0	-53.29	2.0	0	43.97	AV	54	PASS
GFSK	Off	2483.5	-43.79	2.0	0	53.47	PEAK	74	PASS
	Off	2483.5	-52.80	2.0	0	44.46	AV	54	PASS
	Off	2500.0	-42.52	2.0	0	54.73	PEAK	74	PASS
	Off	2500.0	-52.95	2.0	0	44.31	AV	54	PASS
	Off	2310.0	-42.21	2.0	0	55.05	PEAK	74	PASS
	Off	2310.0	-53.48	2.0	0	43.78	AV	54	PASS
	Off	2390.0	-43.66	2.0	0	53.60	PEAK	74	PASS
	Off	2390.0	-53.36	2.0	0	43.90	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.29	2.0	0	53.97	PEAK	74	PASS
	Off	2483.5	-52.81	2.0	0	44.45	AV	54	PASS
	Off	2500.0	-42.27	2.0	0	54.99	PEAK	74	PASS
	Off	2500.0	-52.89	2.0	0	44.37	AV	54	PASS
	Off	2310.0	-42.97	2.0	0	54.29	PEAK	74	PASS
	Off	2310.0	-53.39	2.0	0	43.87	AV	54	PASS
	Off	2390.0	-42.94	2.0	0	54.32	PEAK	74	PASS
	Off	2390.0	-53.18	2.0	0	44.08	AV	54	PASS
8DPSK	Off	2483.5	-42.74	2.0	0	54.51	PEAK	74	PASS
	Off	2483.5	-52.79	2.0	0	44.47	AV	54	PASS
	Off	2500.0	-42.67	2.0	0	54.59	PEAK	74	PASS
	Off	2500.0	-52.91	2.0	0	44.35	AV	54	PASS

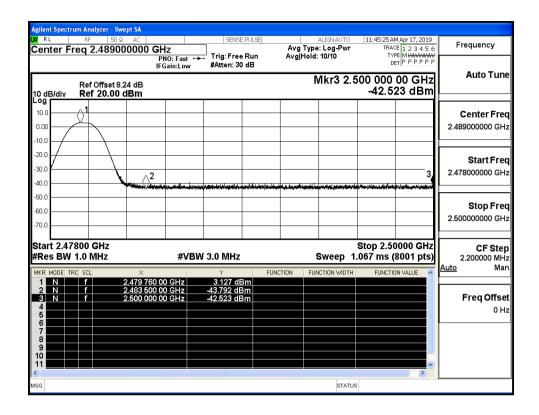




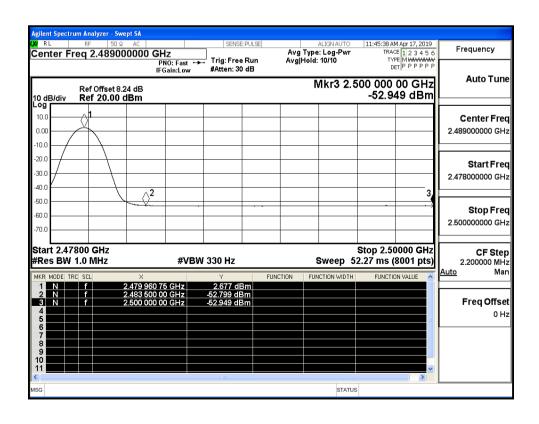
## Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



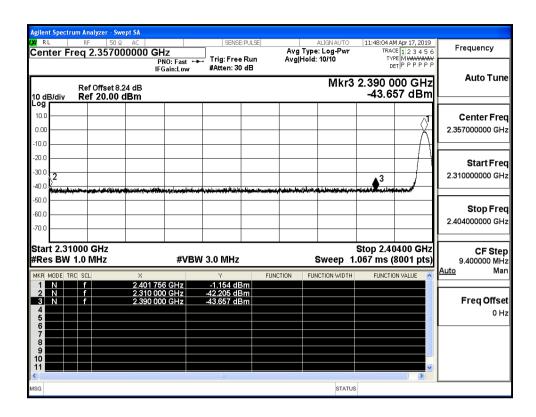
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



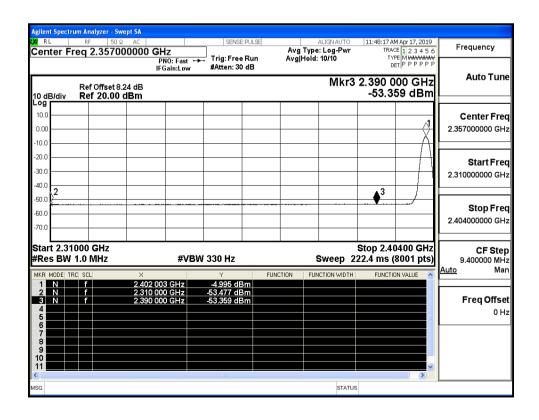
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



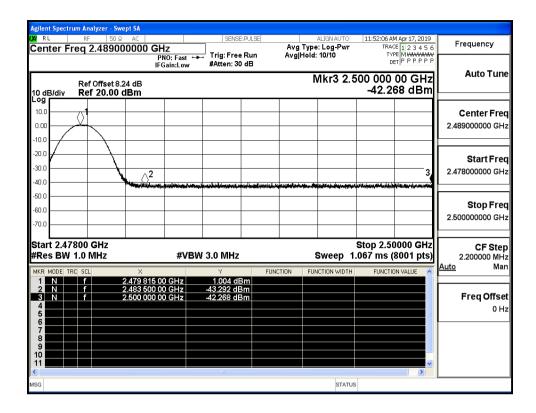
# Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



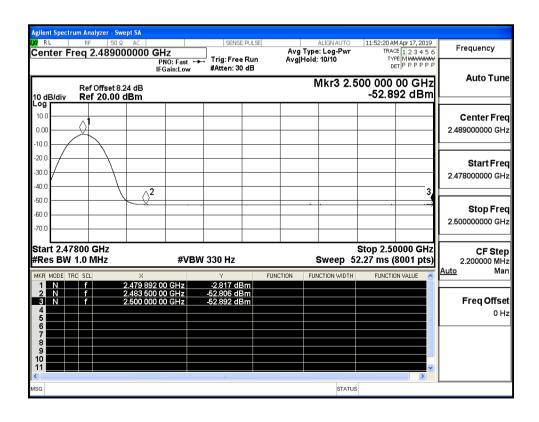
## Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



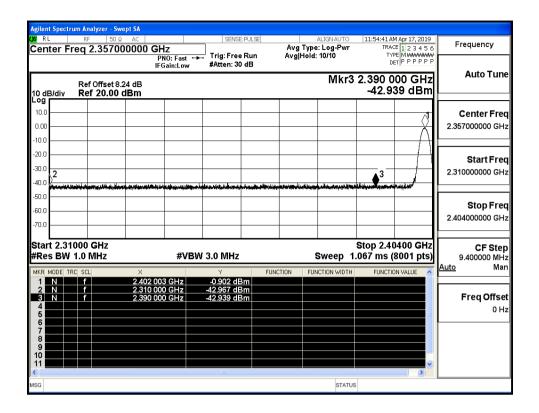
# Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



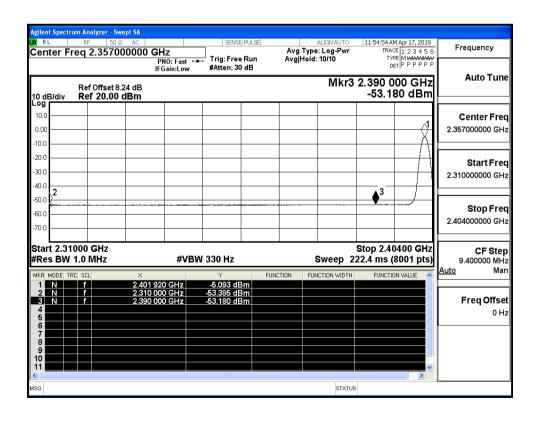
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



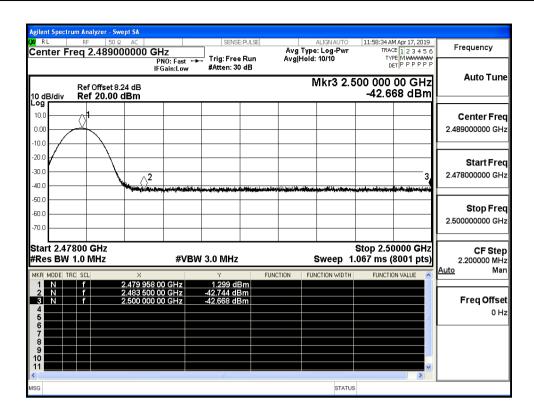
# Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



## 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)

