# Appendix A

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

**Product Name: Feature phone** Trade Mark: KENXINDA (Ken mobile)

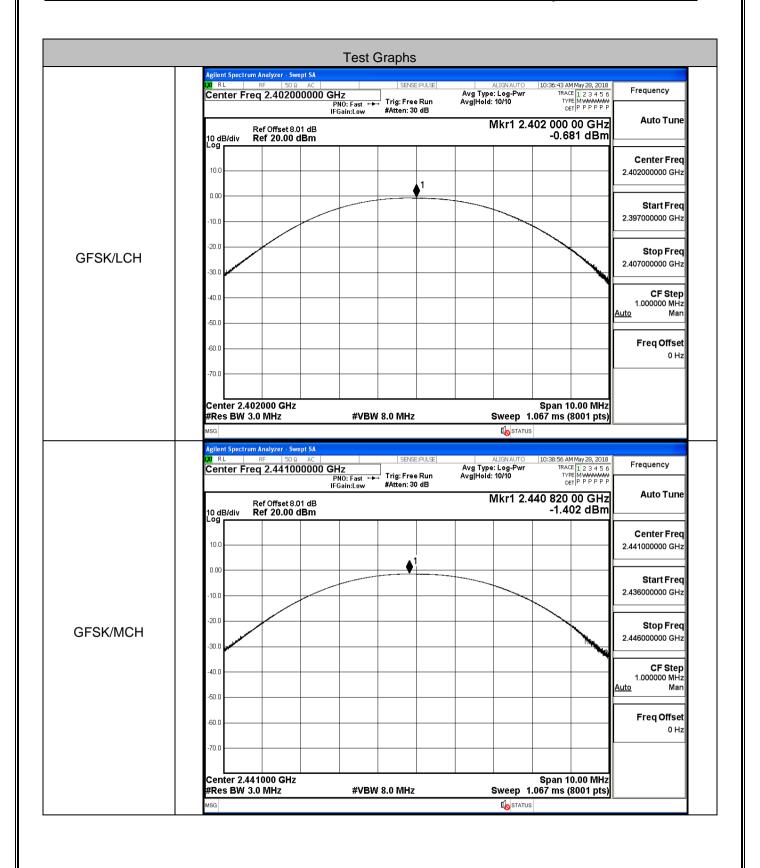
Test Model: K6700

#### **Environmental Conditions**

<del>-</del>	
Temperature:	24.3 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jayden.Zhuo
Supervised by:	Dick.Su

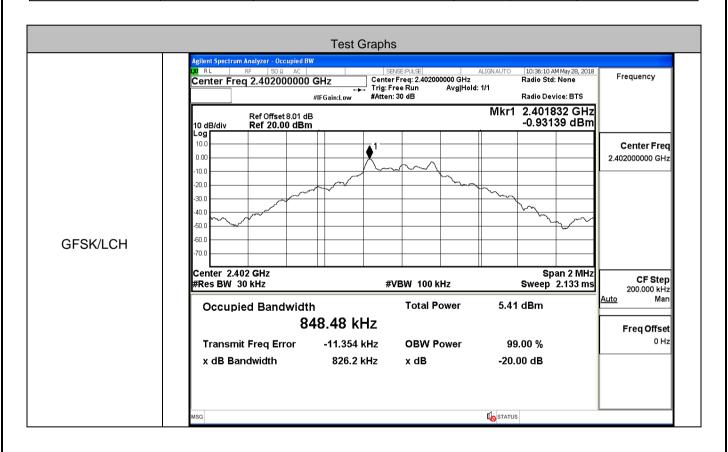
## **A.1 Maxmum Conducted Peak Output Power**

Mode	Chan nel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.681	-0.791	30	PASS
GFSK	мсн	-1.402	-1.513	30	PASS
	НСН	-1.391	-1.480	30	PASS
	LCH	-1.460	-1.553	21	PASS
π/4DQPSK	МСН	-2.019	-2.264	21	PASS
	НСН	-2.089	-2.251	21	PASS
8DPSK	LCH	-1.251	-1.409	21	PASS
	МСН	-1.842	-1.914	21	PASS
	НСН	-1.877	-1.970	21	PASS



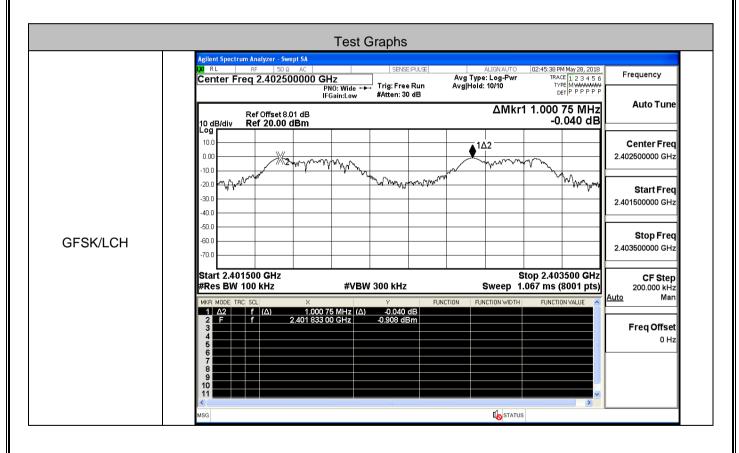
#### A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.8262	Not Specified	PASS
GFSK	MCH	0.8357	Not Specified	PASS
	НСН	0.8404	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.293	Not Specified	PASS
	HCH	1.292	Not Specified	PASS
	LCH	1.296	Not Specified	PASS
8DPSK	MCH	1.300	Not Specified	PASS
	НСН	1.299	Not Specified	PASS

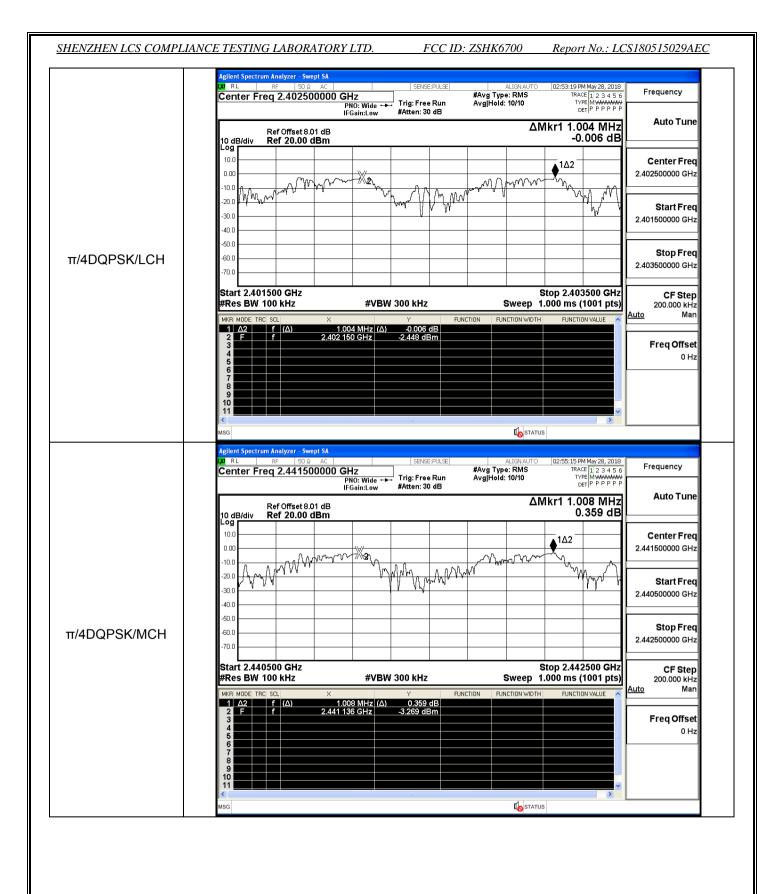


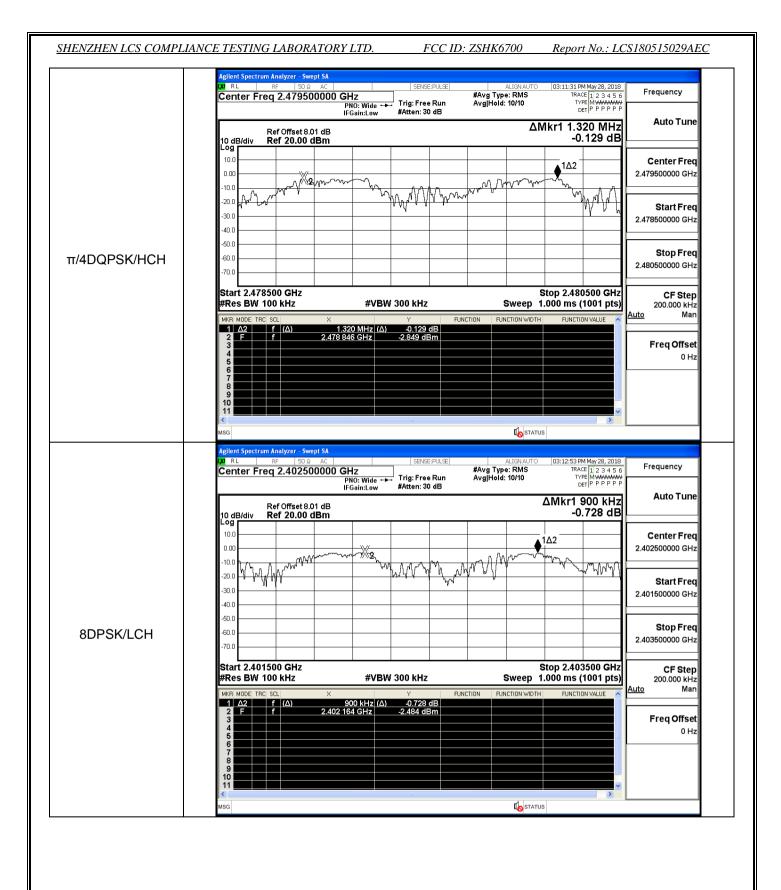
## **A.3 Carrier Frequency Separation**

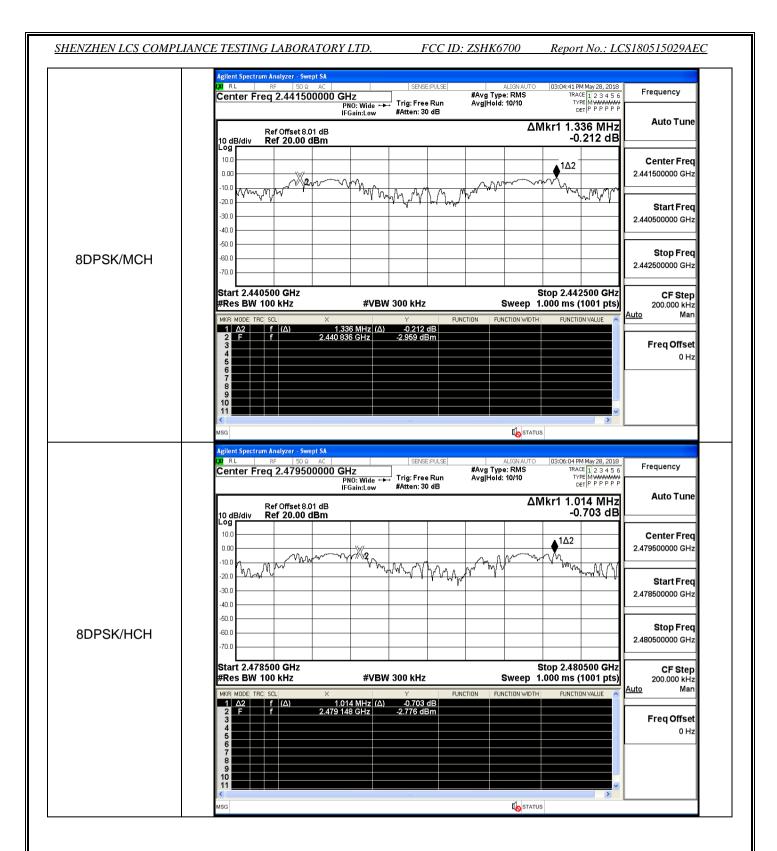
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.001	0.560	PASS
GFSK	MCH	1.002	0.560	PASS
	HCH	1.000	0.560	PASS
	LCH	1.004	0.862	PASS
π/4DQPSK	MCH	1.008	0.862	PASS
	HCH	1.320	0.862	PASS
8DPSK	LCH	0.900	0.867	PASS
	K MCH 1.336		0.867	PASS
	HCH	1.014	0.867	PASS









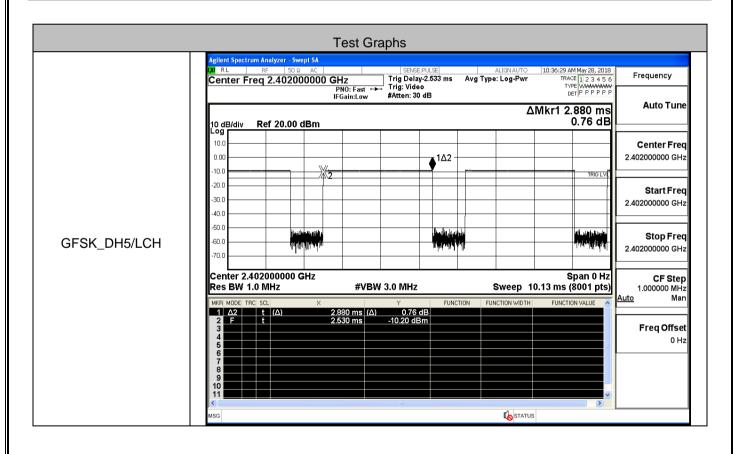


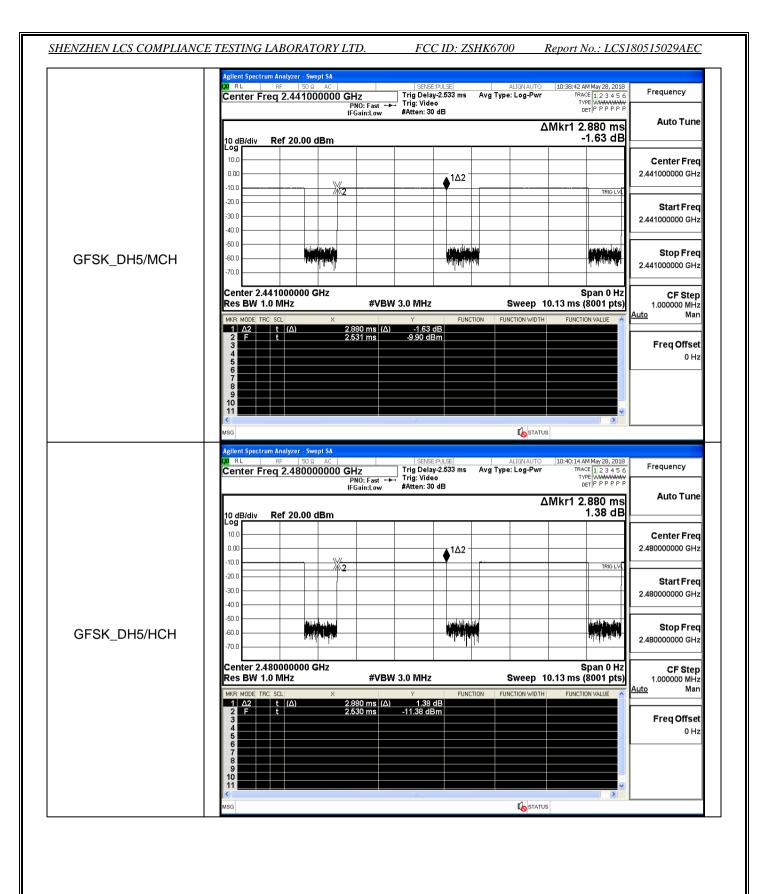
#### A.4 Hopping Channel Number

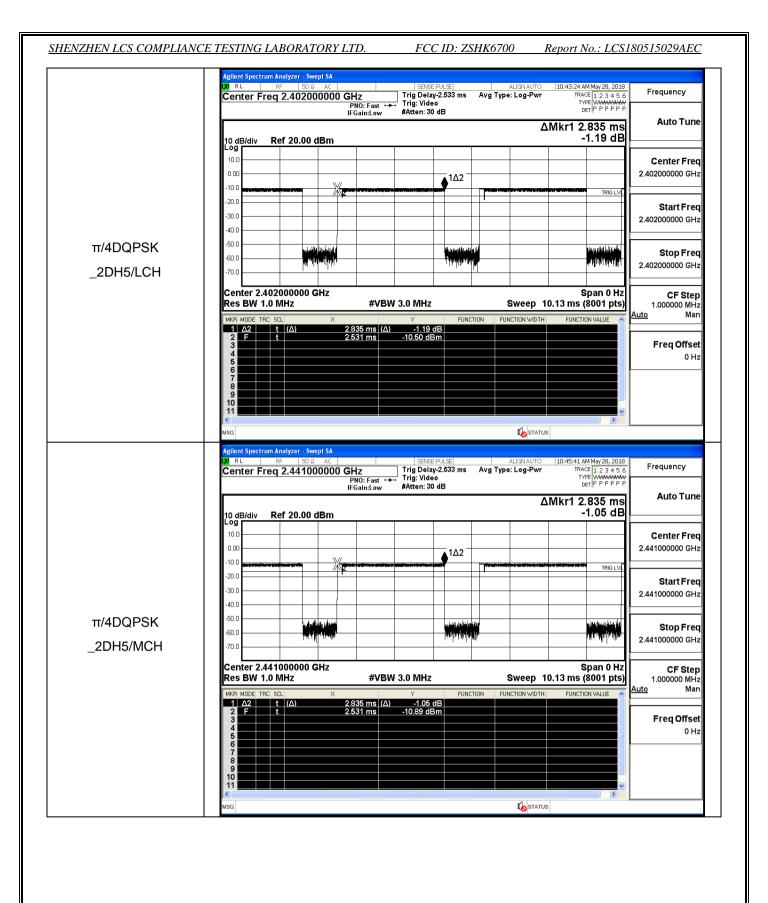
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

#### 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	0.302	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.302	0.4	PASS
	2DH5	HCH	2.88	106.7	0.302	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

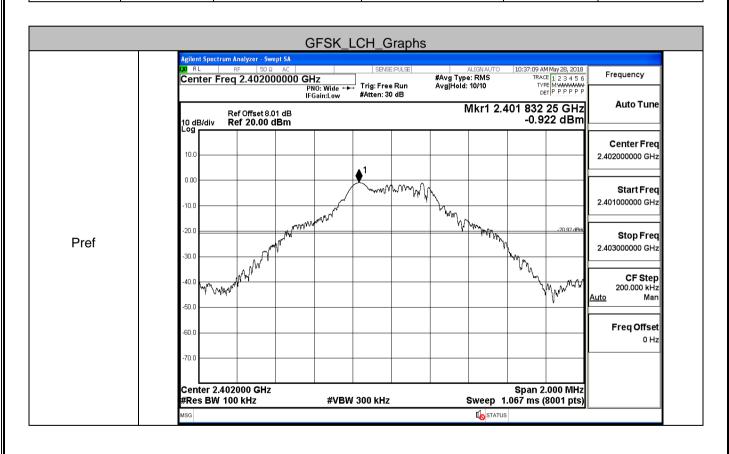


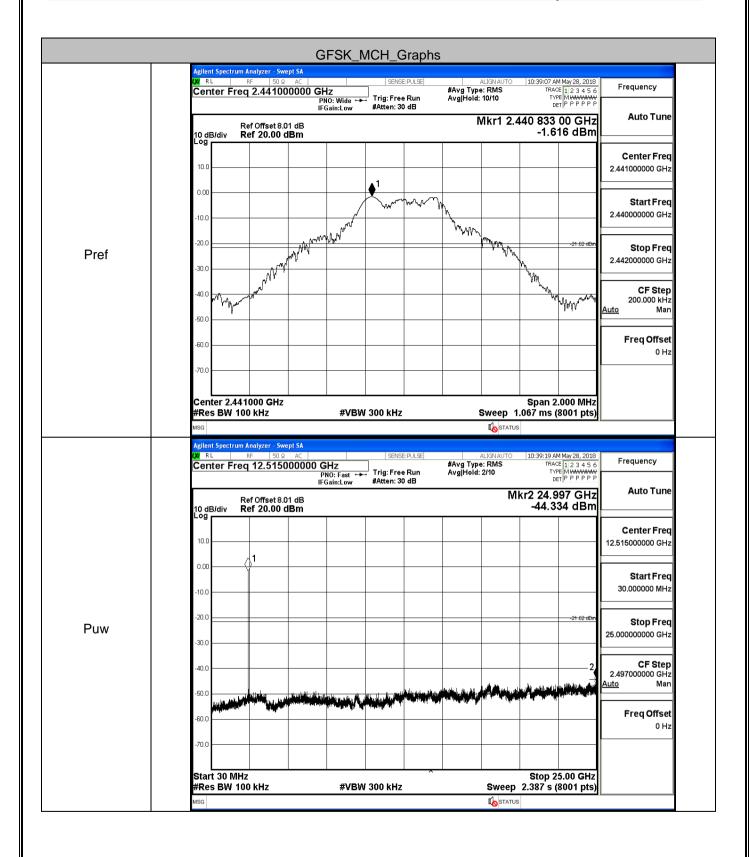


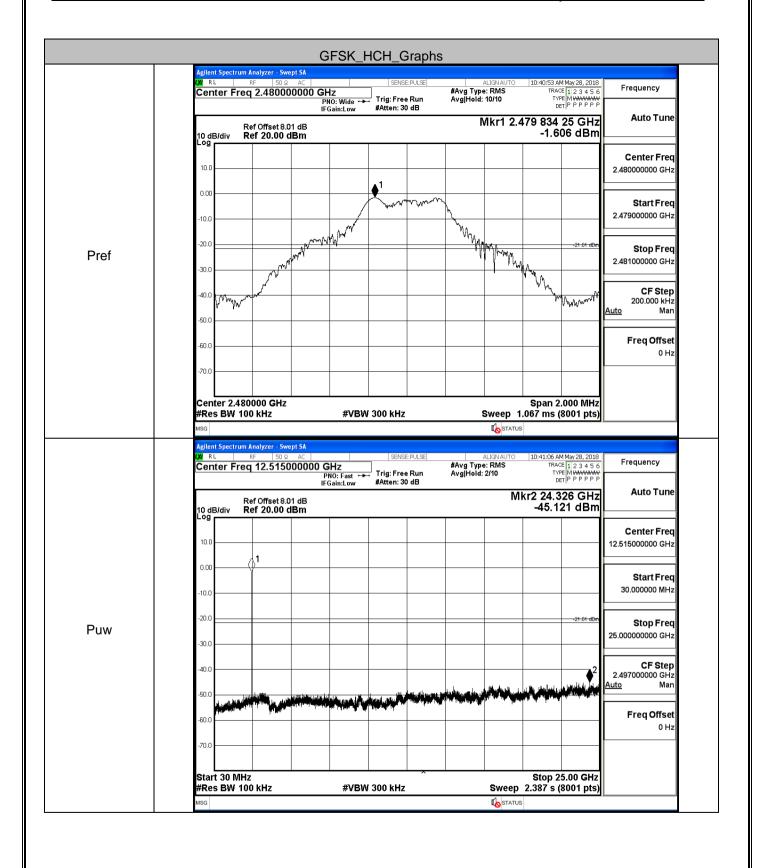


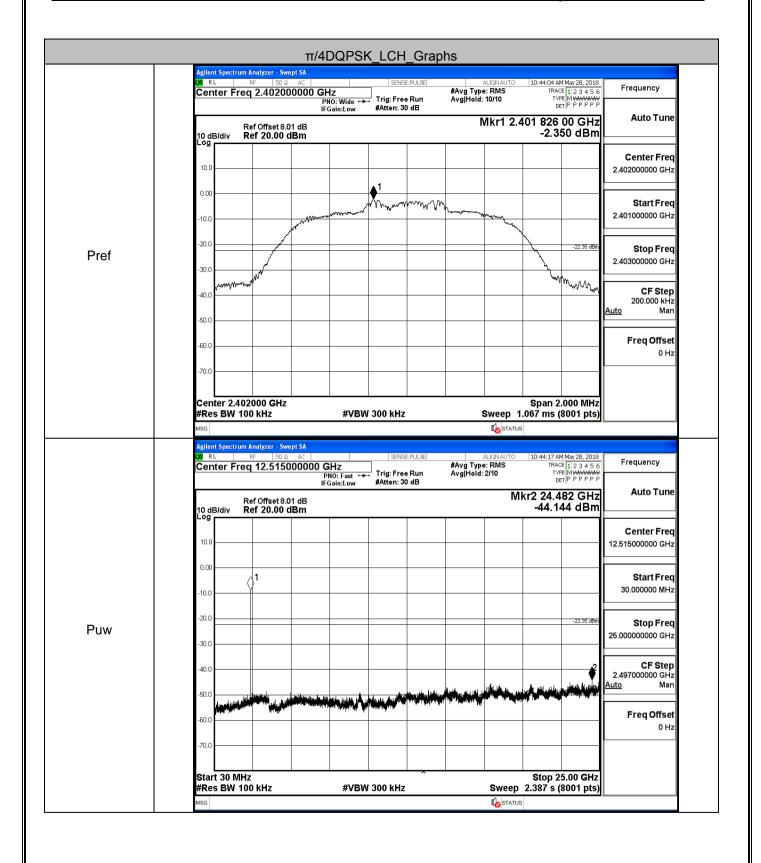
#### A.6 RF Conducted Spurious Emissions

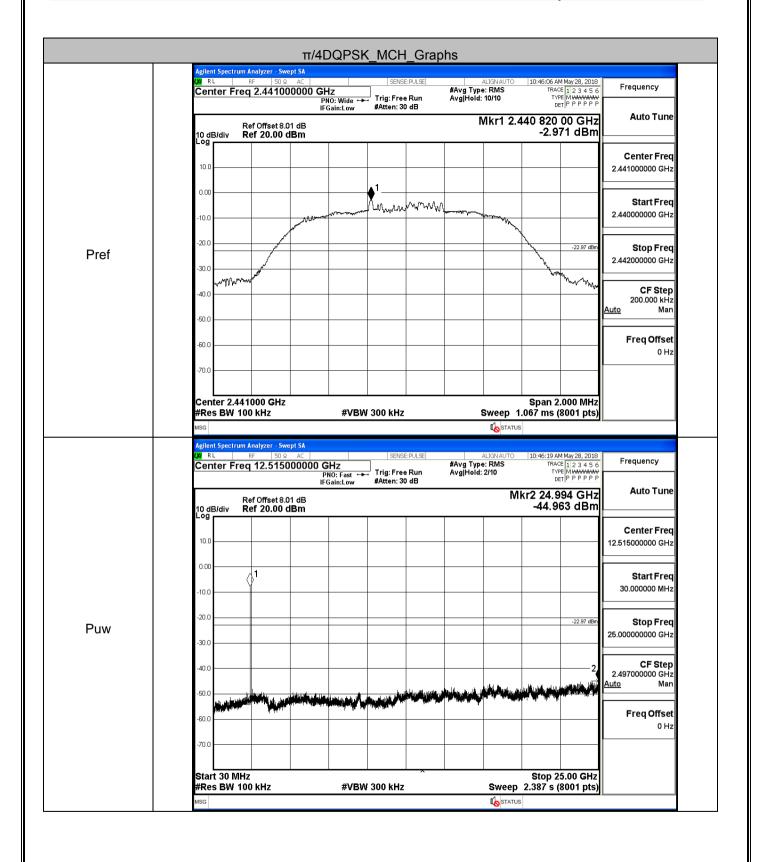
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.922	-45.633	-20.922	PASS
GFSK	MCH	-1.616	-44.334	-21.616	PASS
	НСН	-1.606	-45.121	-21.606	PASS
	LCH	-2.35	-44.144	-22.350	PASS
π/4DQPSK	MCH	-2.971	-44.963	-22.971	PASS
	НСН	-2.96	-43.987	-22.960	PASS
	LCH	-2.296	-43.453	-22.296	PASS
8DPSK	MCH	-2.774	-43.525	-22.774	PASS
	HCH	-2.814	-45.306	-22.814	PASS

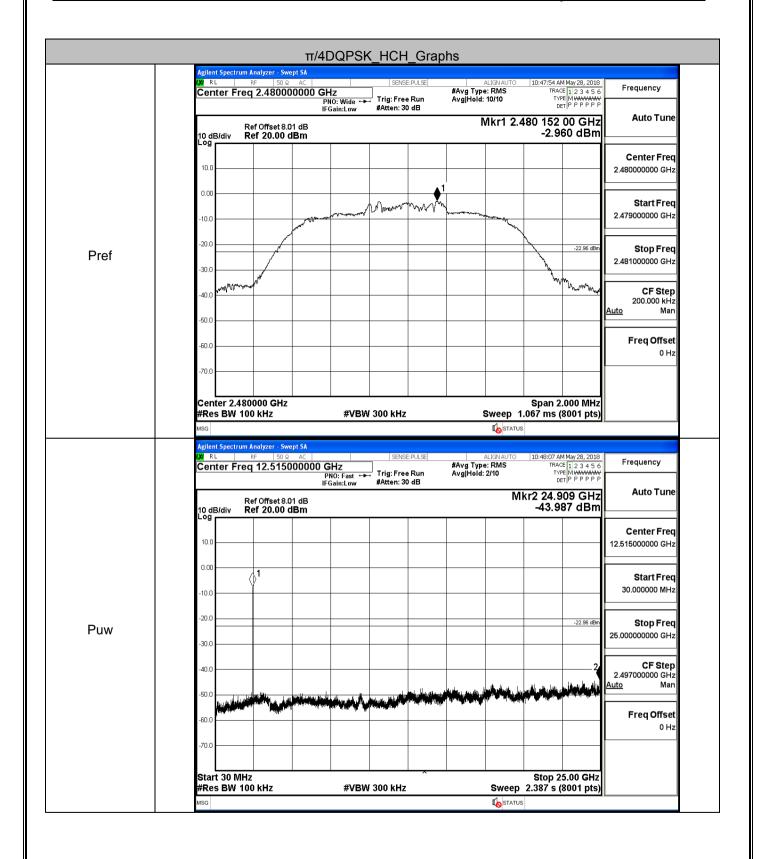


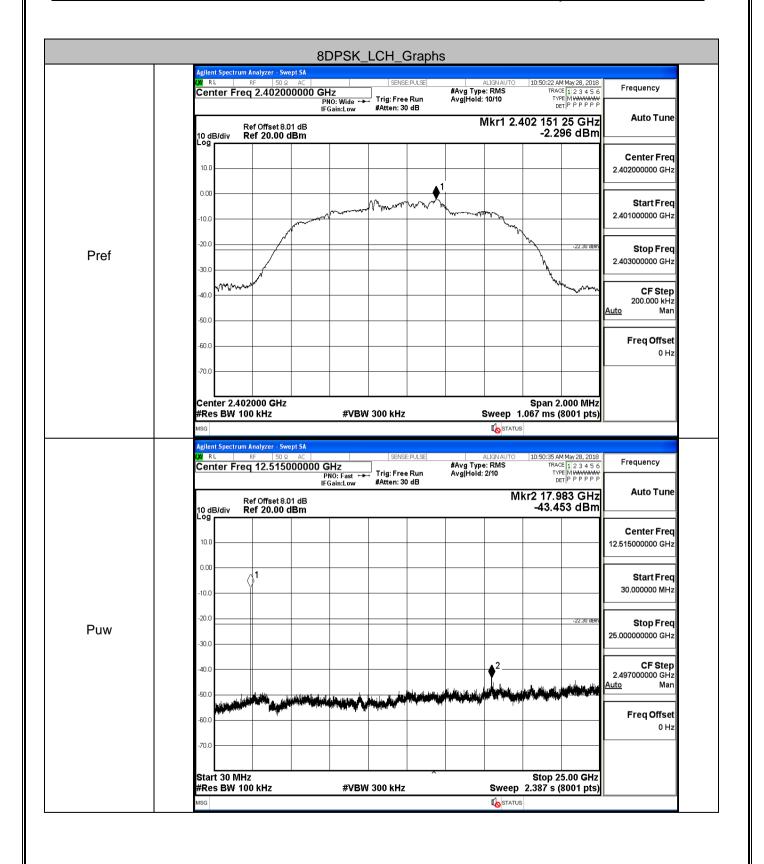


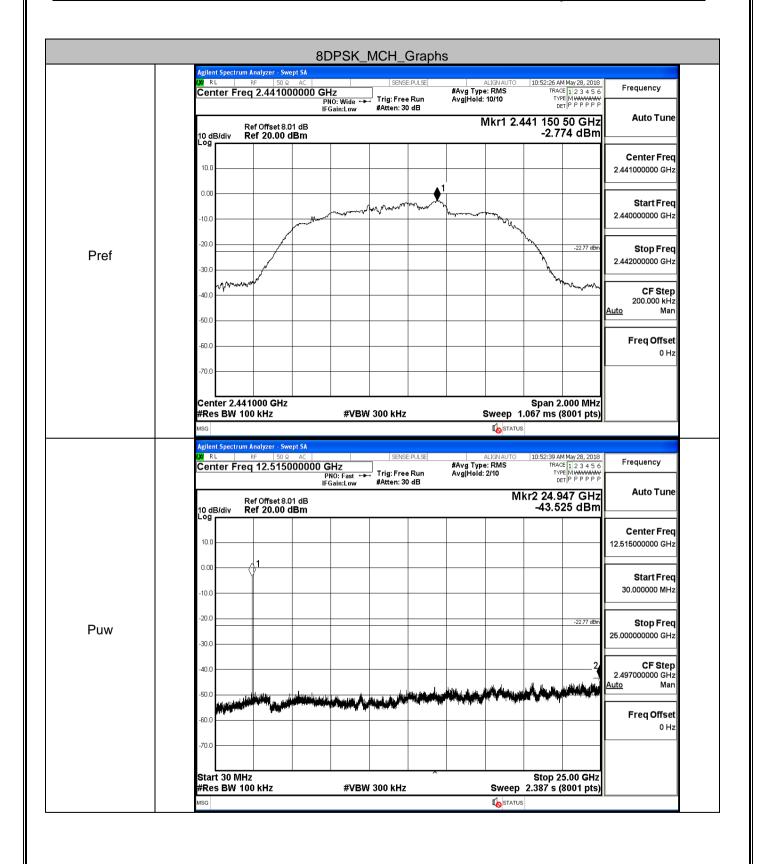


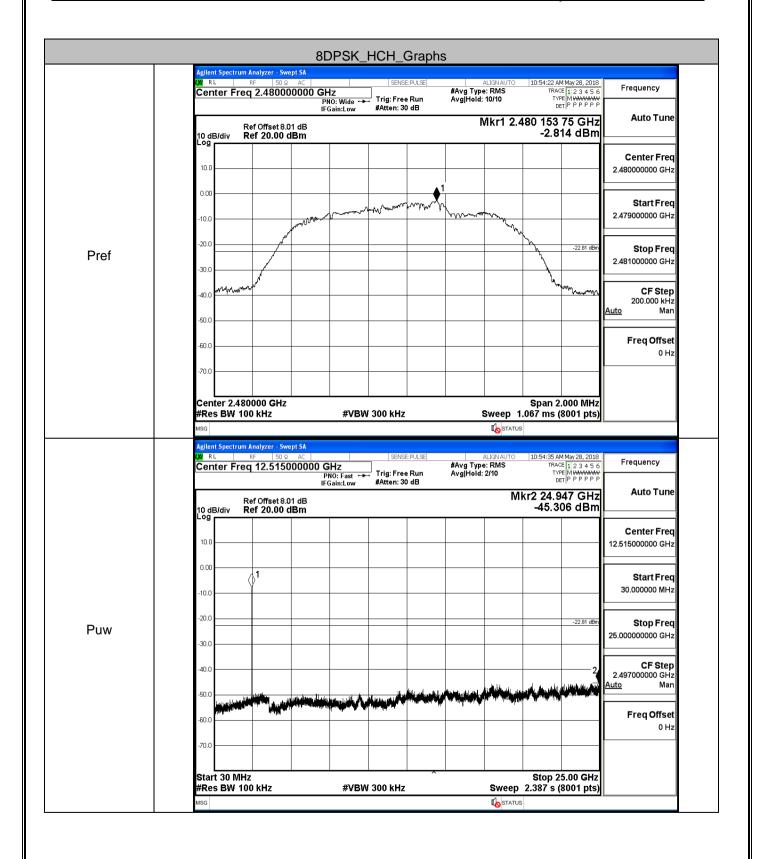






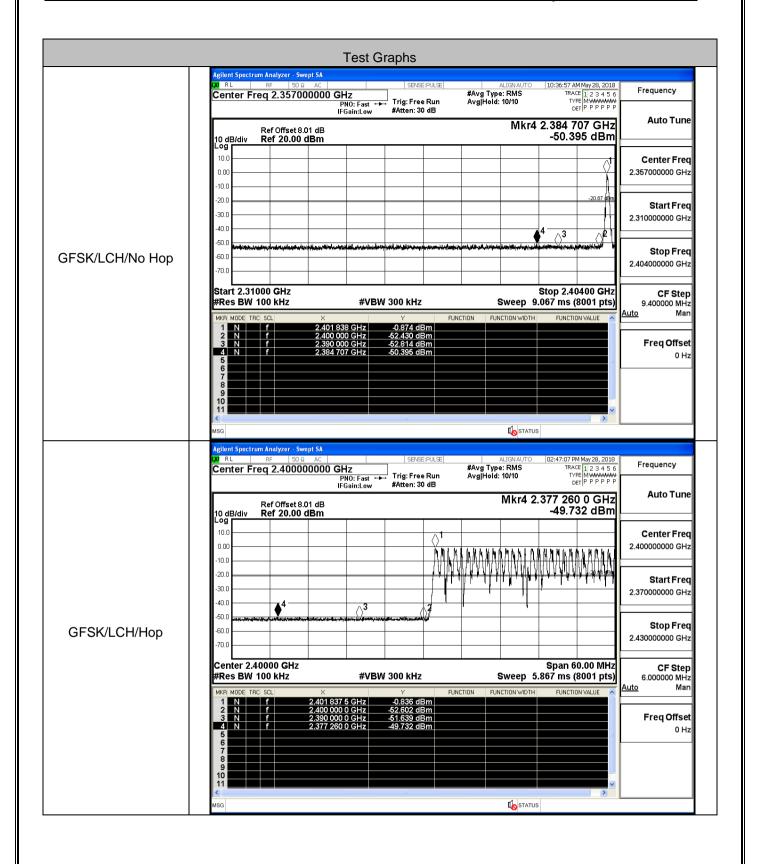


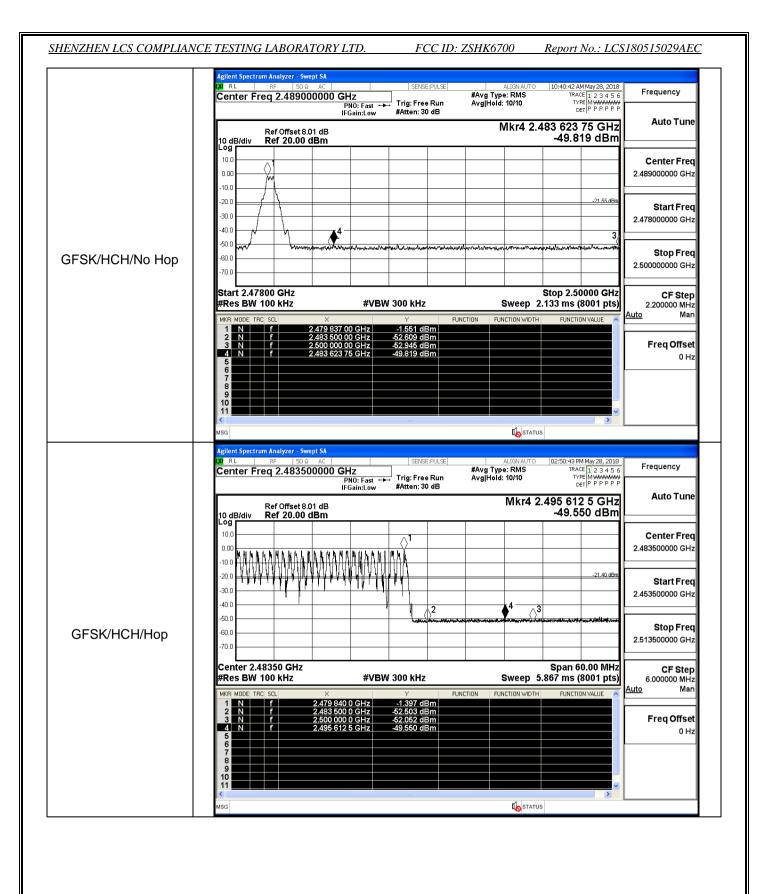


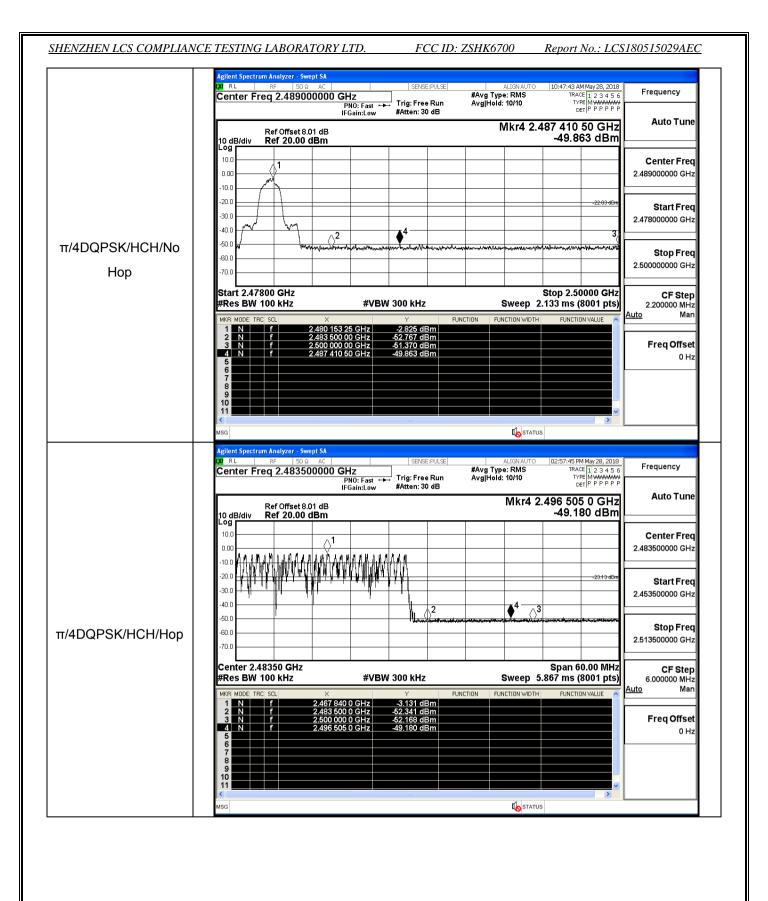


## A.7 Band-edge for RF Conducted Emissions

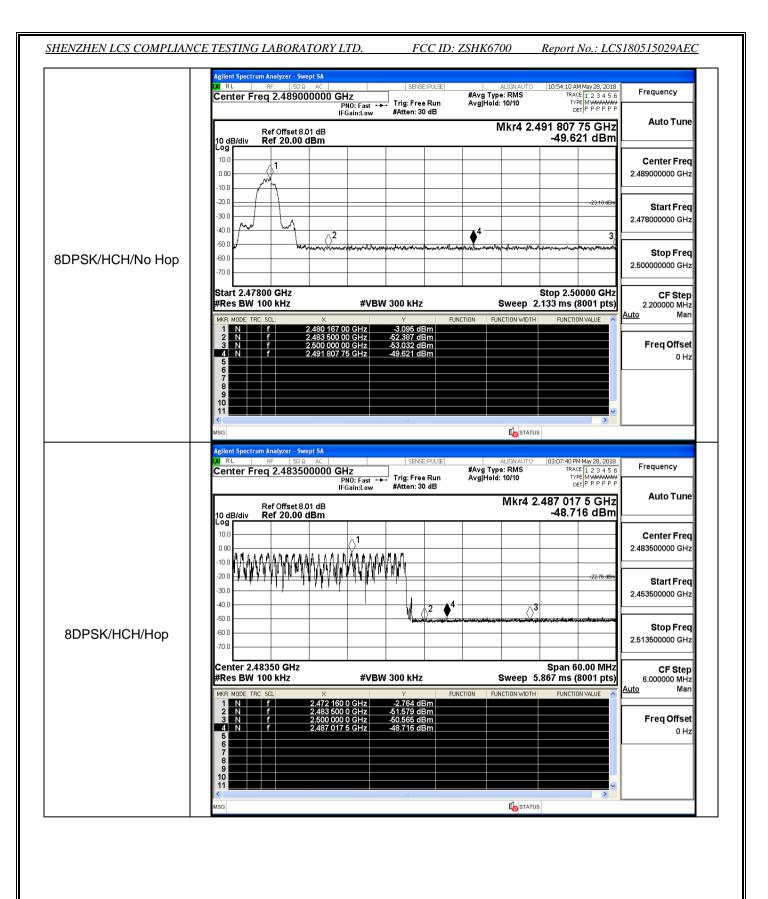
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-0.874	Off	-50.395	-20.87	PASS
0.501/	LCH	2402	-0.836	On	-49.732	-20.84	PASS
GFSK	нсн	2480	-1.551	Off	-49.819	-21.55	PASS
			-1.397	On	-49.550	-21.4	PASS
	LCH	CH 2402	-2.678	Off	-49.835	-22.68	PASS
			-2.542	On	-49.337	-22.54	PASS
π/4DQPSK	НСН	2480	-2.825	Off	-49.863	-22.83	PASS
			-3.131	On	-49.180	-23.13	PASS
			-2.970	Off	-49.689	-22.97	PASS
	LCH	2402	-2.429	On	-49.205	-22.43	PASS
8DPSK		0.400	-3.095	Off	-49.621	-23.1	PASS
	HCH	2480	-2.764	On	-48.716	-22.76	PASS







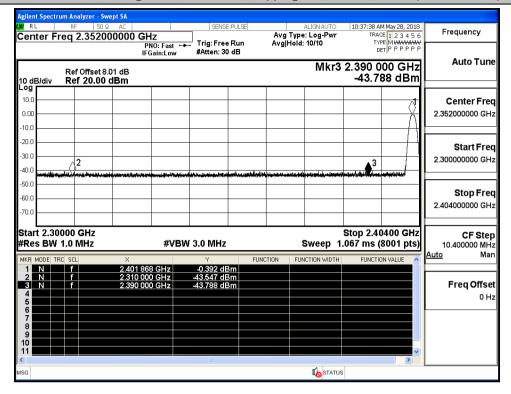




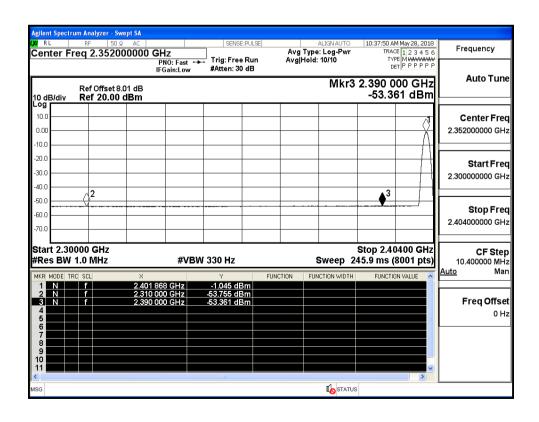
## A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.55	2.0	0	53.71	PEAK	74	PASS
	Off	2310.0	-53.76	2.0	0	43.50	AV	54	PASS
	Off	2390.0	-43.79	2.0	0	53.47	PEAK	74	PASS
	Off	2390.0	-53.36	2.0	0	43.90	AV	54	PASS
GFSK	Off	2483.5	-42.60	2.0	0	54.65	PEAK	74	PASS
	Off	2483.5	-53.23	2.0	0	44.03	AV	54	PASS
	Off	2500.0	-43.88	2.0	0	53.38	PEAK	74	PASS
	Off	2500.0	-53.16	2.0	0	44.10	AV	54	PASS
	Off	2310.0	-42.39	2.0	0	54.87	PEAK	74	PASS
	Off	2310.0	-53.72	2.0	0	43.54	AV	54	PASS
	Off	2390.0	-43.25	2.0	0	54.01	PEAK	74	PASS
	Off	2390.0	-53.46	2.0	0	43.79	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.29	2.0	0	54.96	PEAK	74	PASS
	Off	2483.5	-53.16	2.0	0	44.10	AV	54	PASS
	Off	2500.0	-42.77	2.0	0	54.49	PEAK	74	PASS
	Off	2500.0	-53.09	2.0	0	44.16	AV	54	PASS
	Off	2310.0	-44.01	2.0	0	53.25	PEAK	74	PASS
	Off	2310.0	-53.81	2.0	0	43.45	AV	54	PASS
	Off	2390.0	-43.00	2.0	0	54.26	PEAK	74	PASS
	Off	2390.0	-53.46	2.0	0	43.80	AV	54	PASS
8DPSK	Off	2483.5	-42.44	2.0	0	54.82	PEAK	74	PASS
	Off	2483.5	-53.14	2.0	0	44.12	AV	54	PASS
	Off	2500.0	-43.60	2.0	0	53.66	PEAK	74	PASS
	Off	2500.0	-53.08	2.0	0	44.17	AV	54	PASS

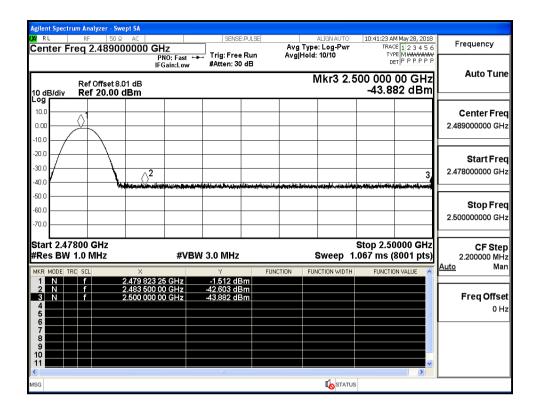
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (Low Channel)



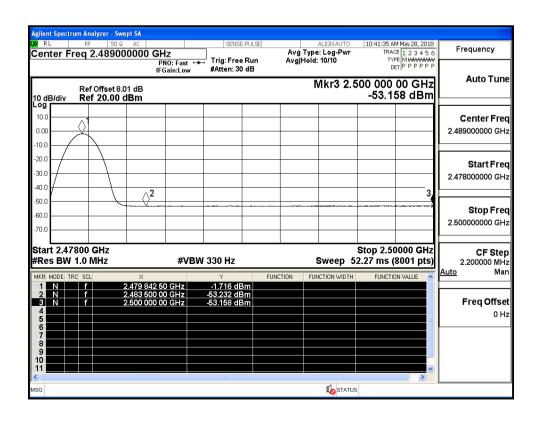
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



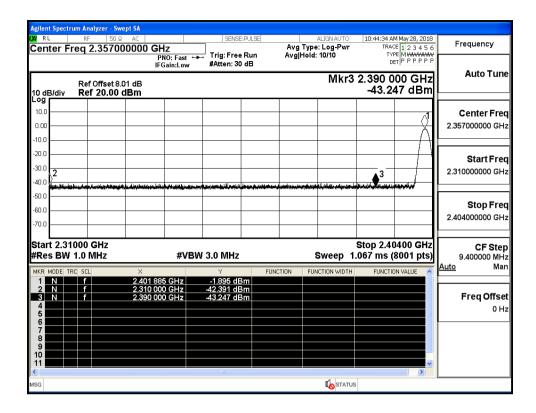
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



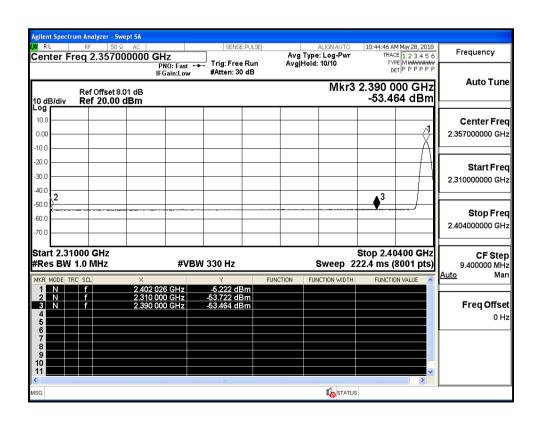
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



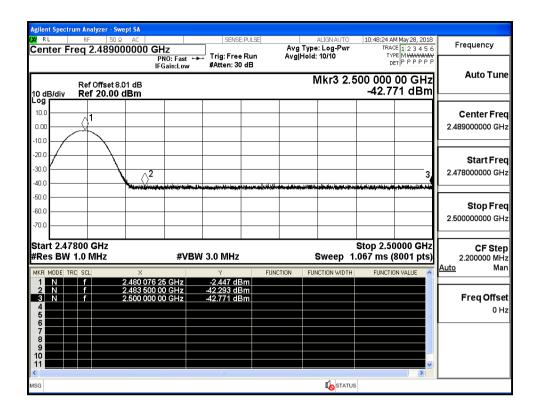
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



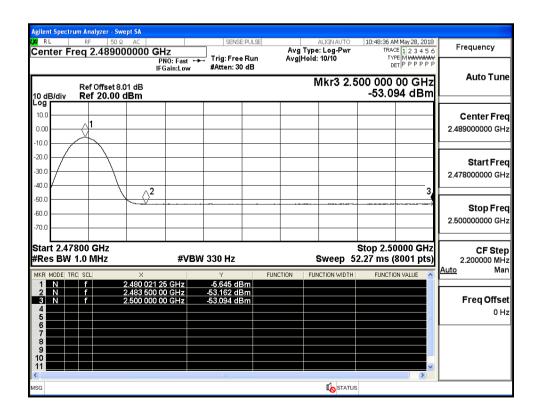
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



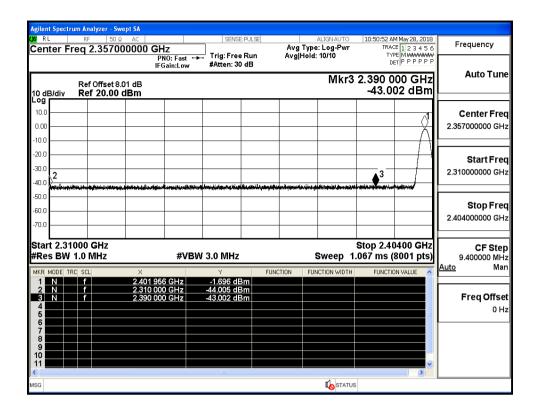
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



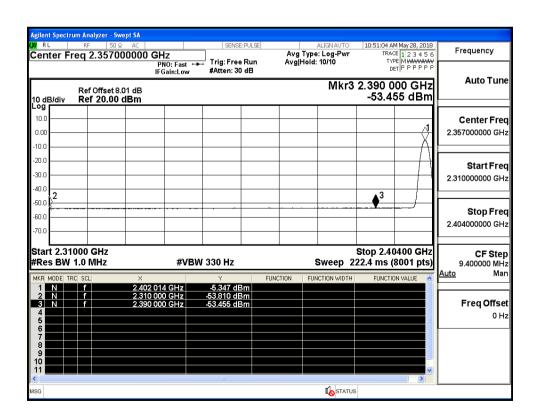
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



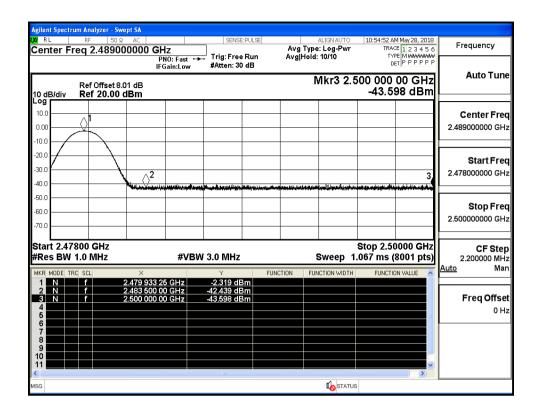
#### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



### 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)

