# Appendix A

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

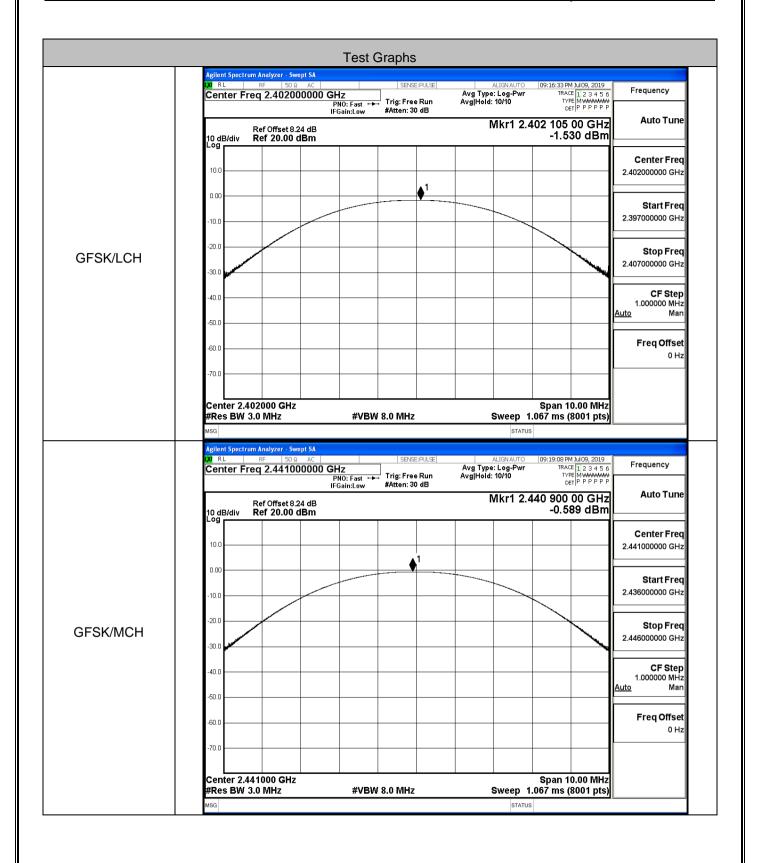
Product Name: Tablet PC Trade Mark: FUSION5 Test Model: FWIN232 Pro

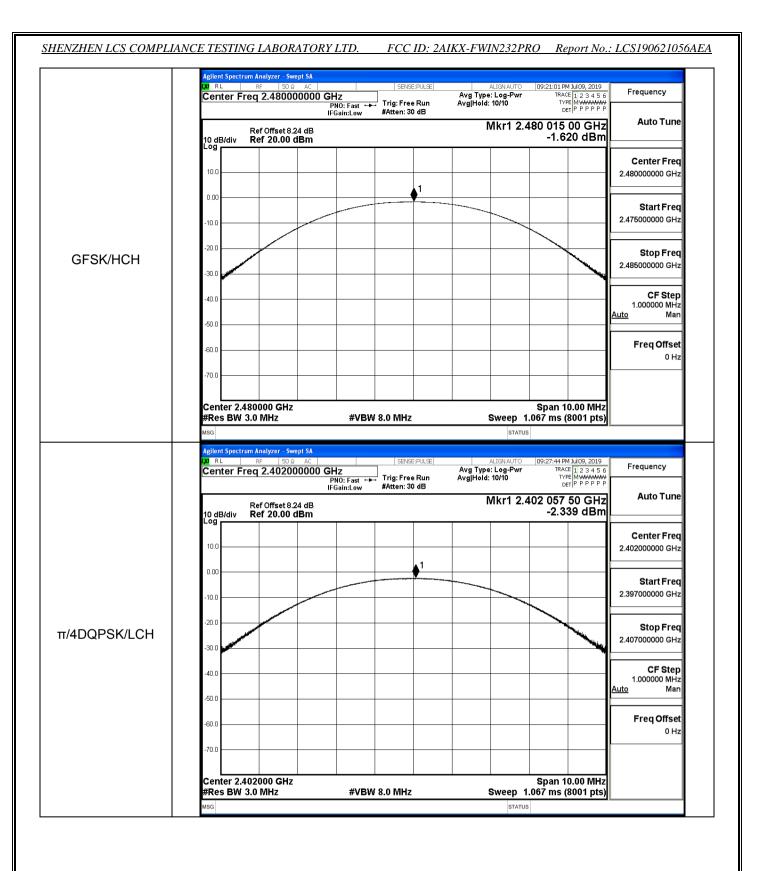
#### **Environmental Conditions**

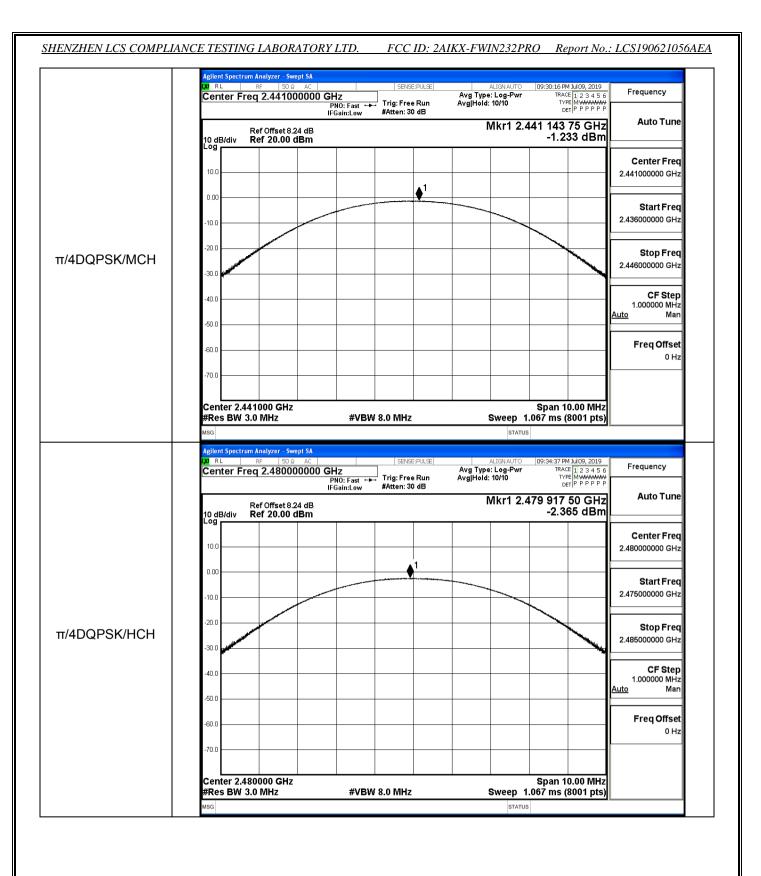
Temperature:	24.1°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Wang.Chuang

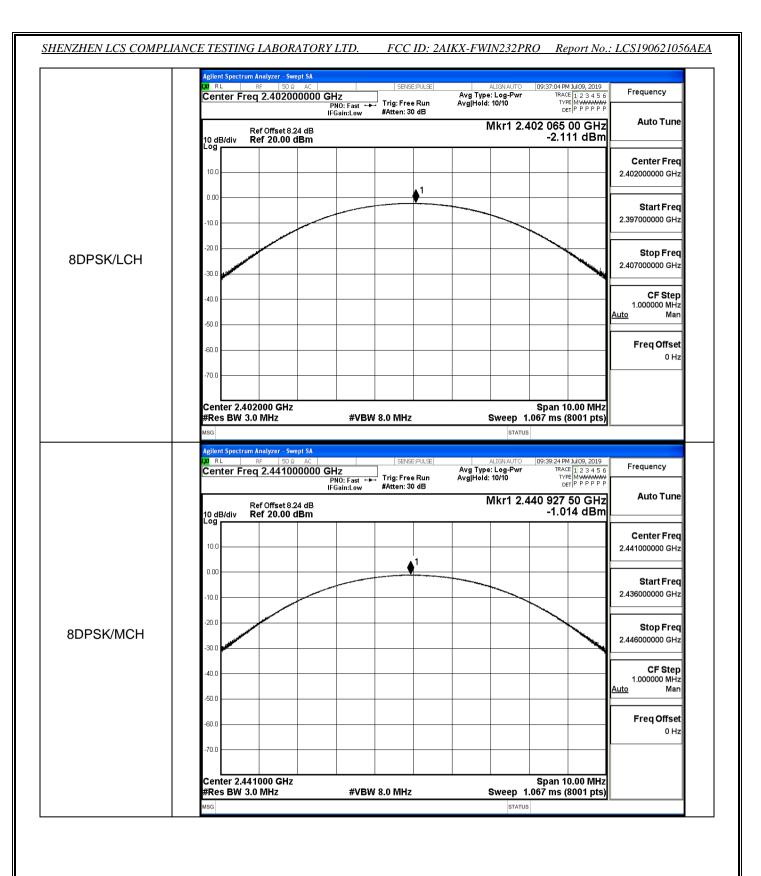
## **A.1 Maxmum Conducted Peak Output Power**

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.530	30	PASS
GFSK	MCH	-0.589	30	PASS
	НСН	-1.620	30	PASS
	LCH	-2.339	21	PASS
π/4DQPSK	MCH	-1.233	21	PASS
	НСН	-2.365	21	PASS
	LCH	-2.111	21	PASS
8DPSK	MCH	-1.014	21	PASS
	HCH	-2.113	21	PASS









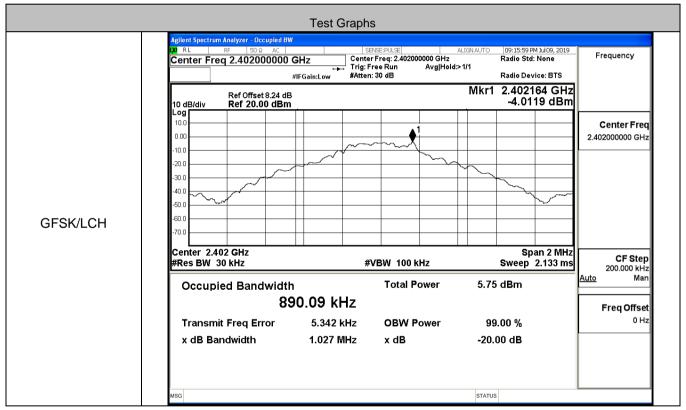
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX-FWIN232PRO Report No.: LCS190621056AEA Agilent Spectrum Analyzer - Swept SA TO 09:41:13 PM Jul 09, 2019 WY TRACE 1 2 3 4 5 6 TYPE MWWWWWWWW DET P P P P P P SENSE:PULSE Avg Type: Log-Pwr Avg|Hold: 10/10 Frequency Mkr1 2.479 873 75 GHz -2.113 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 2.480000000 GHz 0.00 Start Freq 2.475000000 GHz -10.0 -20.0 Stop Freq 8DPSK/HCH 2.485000000 GHz CF Step 1.000000 MHz Man 40.0 <u>Auto</u> -50.0 Freq Offset -60.0 0 Hz -70.0 Center 2.480000 GHz #Res BW 3.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts) **#VBW 8.0 MHz**

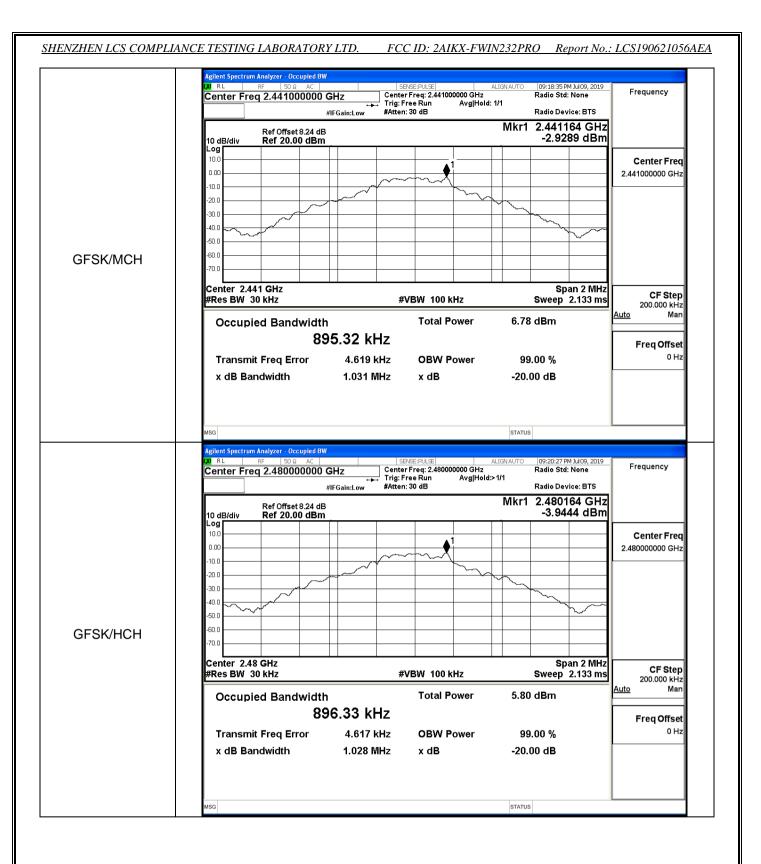
STATUS

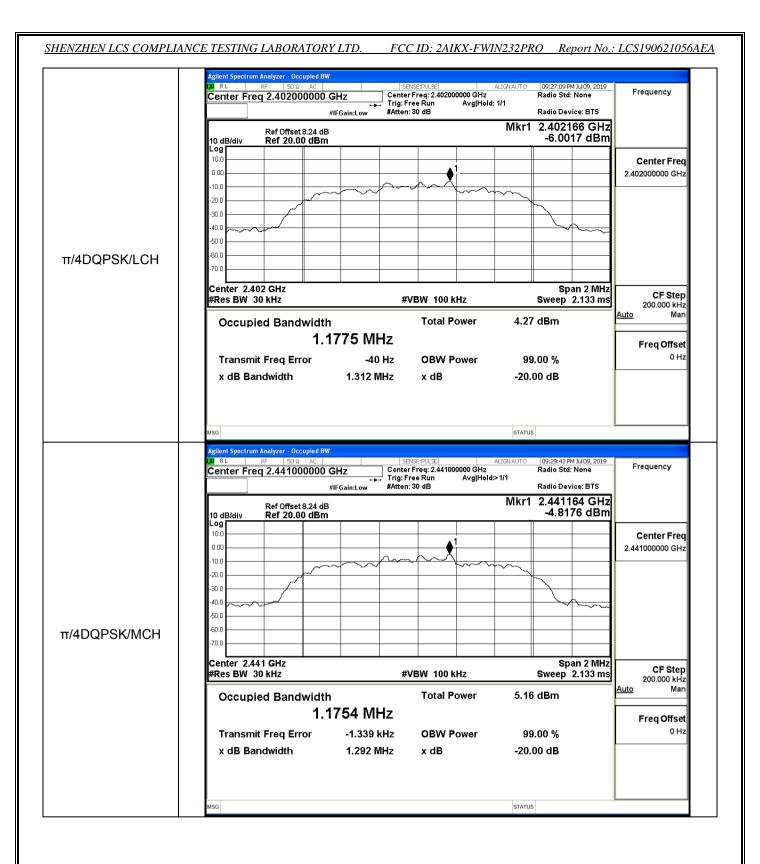
Verdict

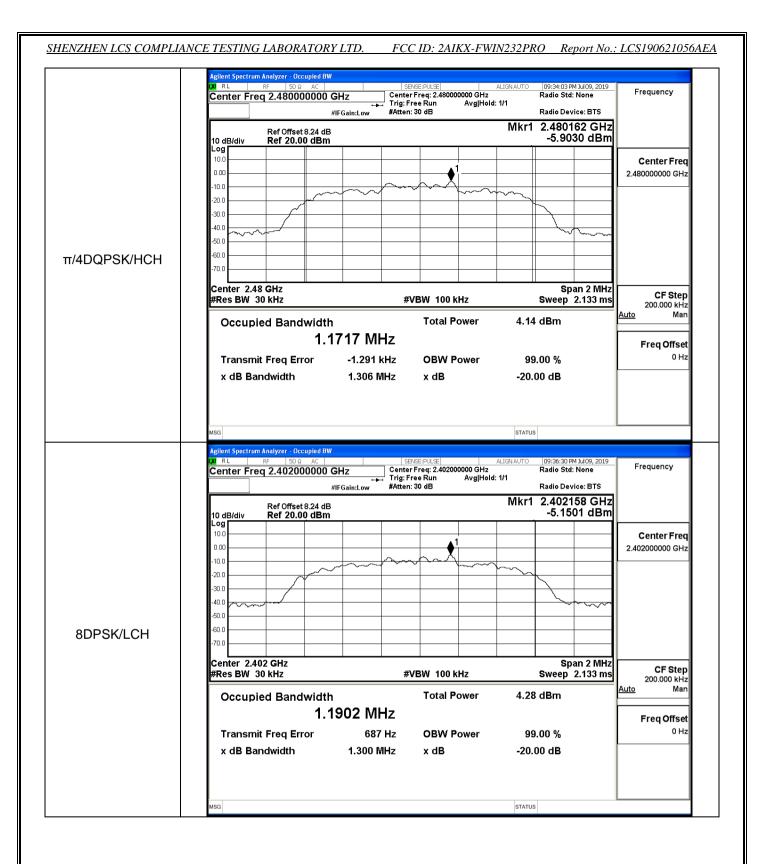
# Mode Channel. 20dB Bandwidth [MHz] Limit [MHz]

WICGE	Chamile.	ZOGD Dangwidth [Miliz]		Vertice
	LCH	1.027	Not Specified	PASS
GFSK	MCH	1.031	Not Specified	PASS
	HCH	1.028	Not Specified	PASS
	LCH	1.312	Not Specified	PASS
π/4DQPSK	MCH	1.292	Not Specified	PASS
	HCH	1.306	Not Specified	PASS
	LCH	1.300	Not Specified	PASS
8DPSK	MCH	1.296	Not Specified	PASS
	HCH	1.305	Not Specified	PASS



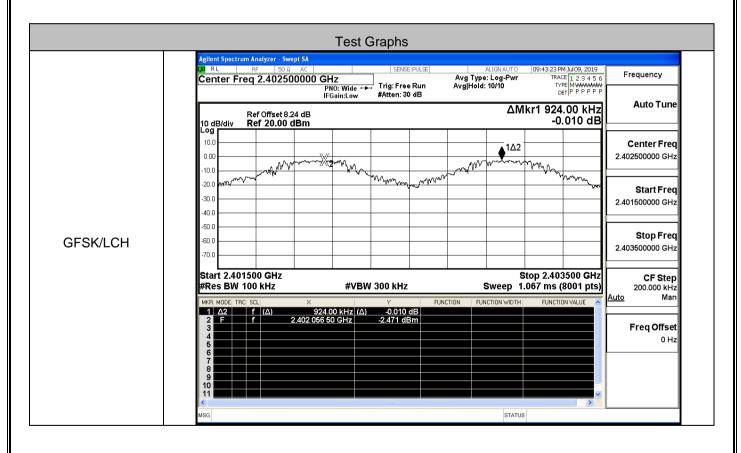


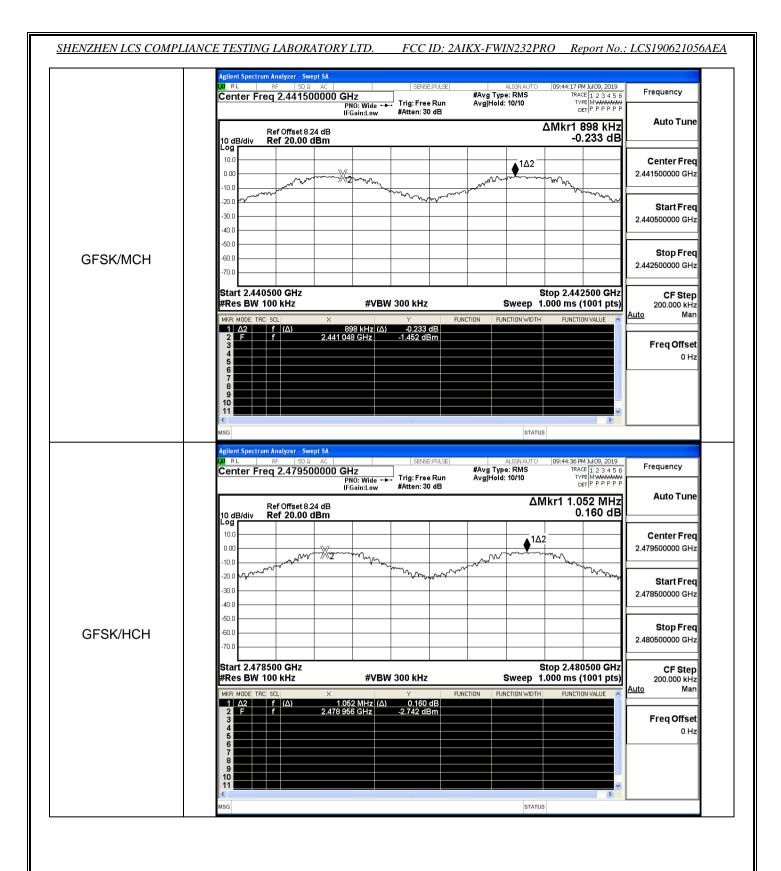


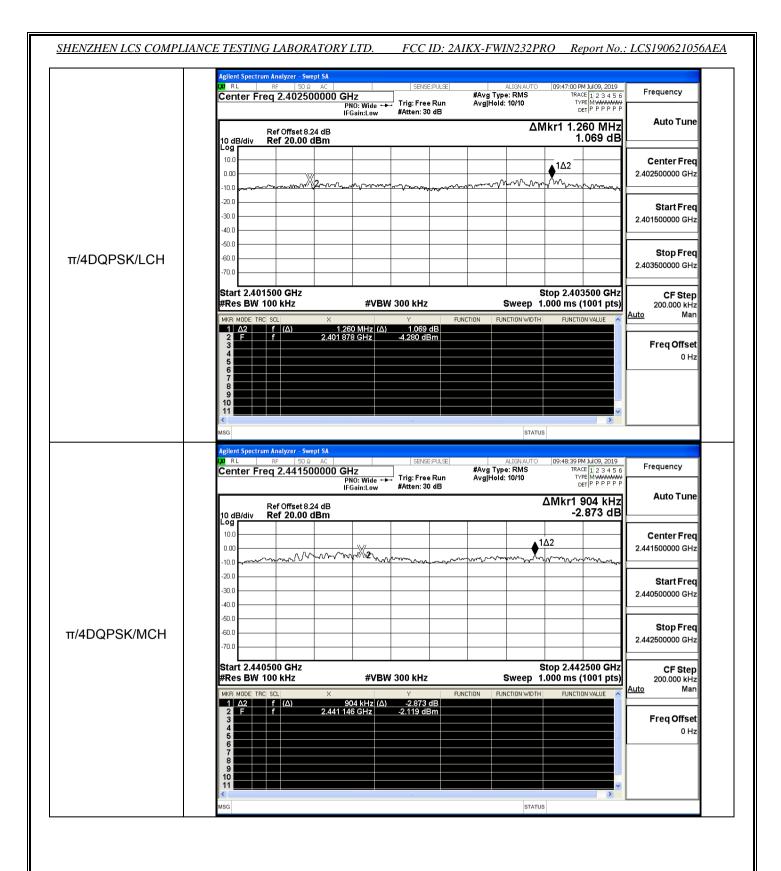


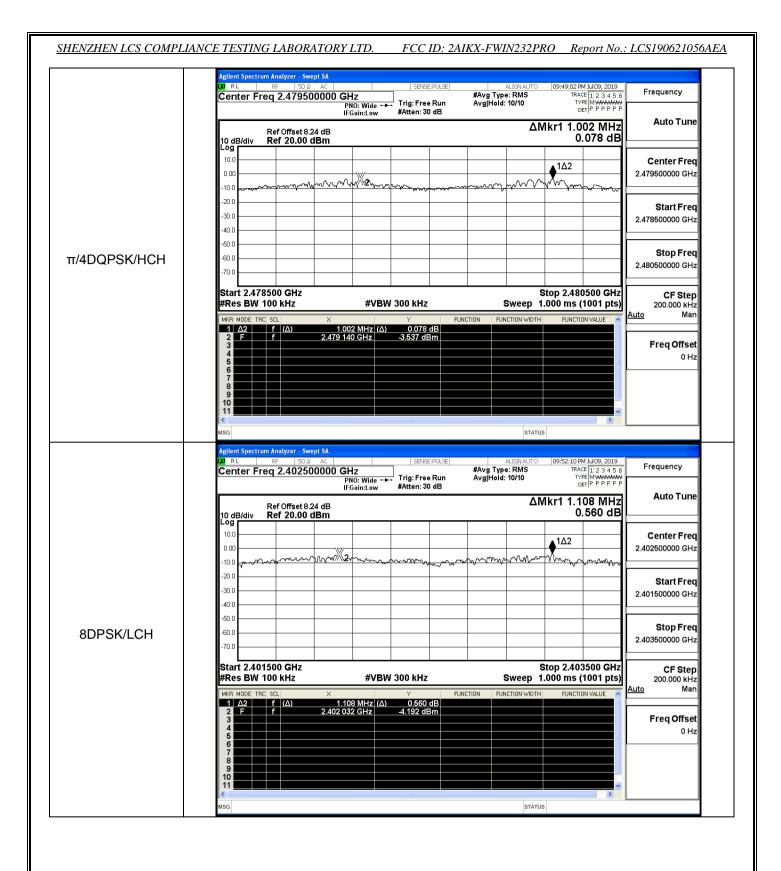
## **A.3 Carrier Frequency Separation**

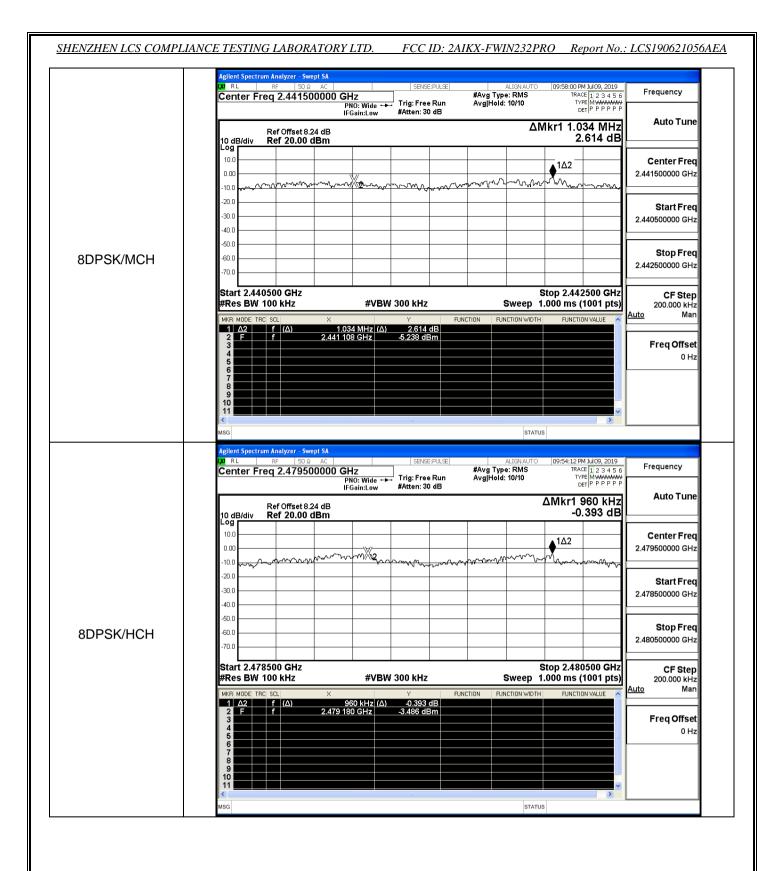
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.924	0.687	PASS
GFSK	MCH	0.898	0.687	PASS
	HCH	1.052	0.687	PASS
	LCH	1.260	0.875	PASS
π/4DQPSK	MCH	0.904	0.875	PASS
	HCH	1.002	0.875	PASS
	LCH	1.108	0.870	PASS
8DPSK	MCH	1.034	0.870	PASS
	HCH	0.960	0.870	PASS





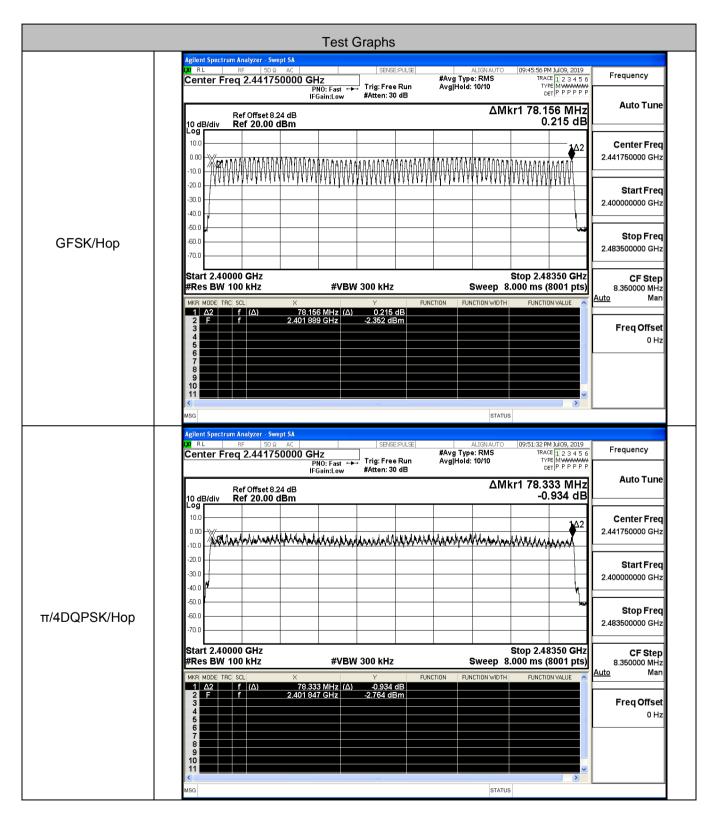


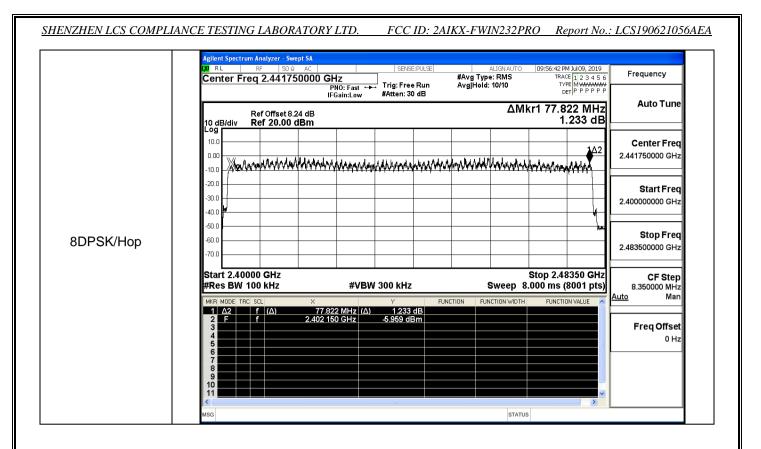




#### A.4 Hopping Channel Number

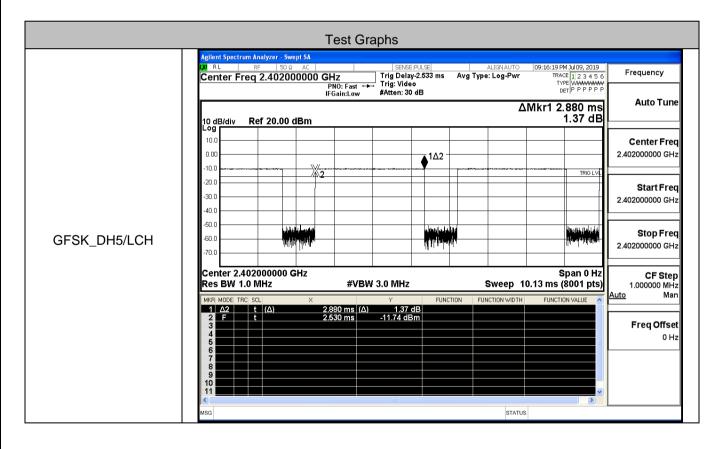
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

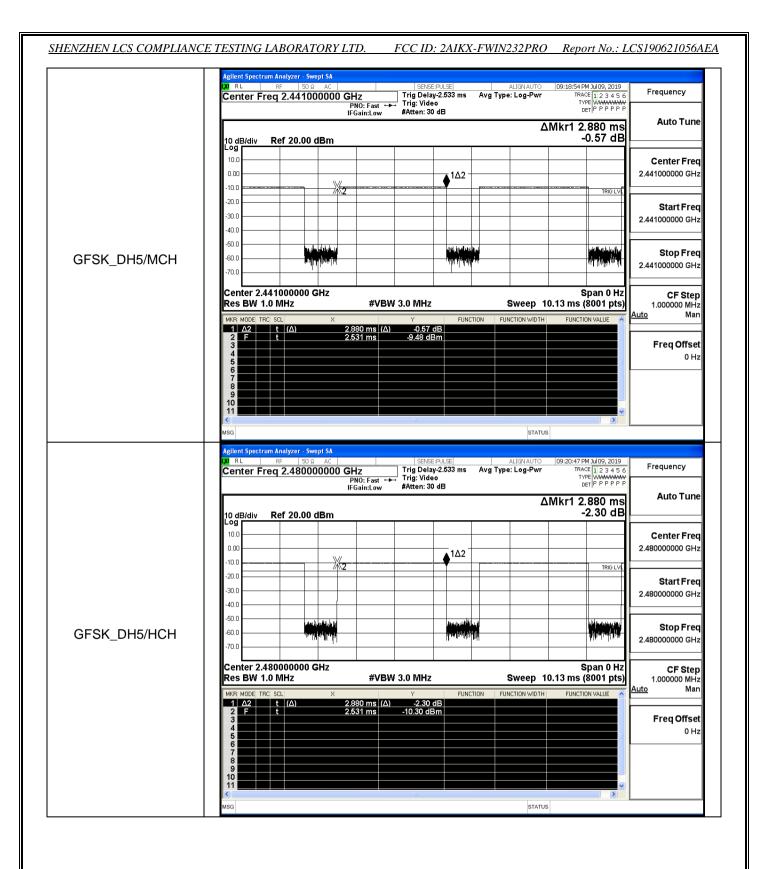


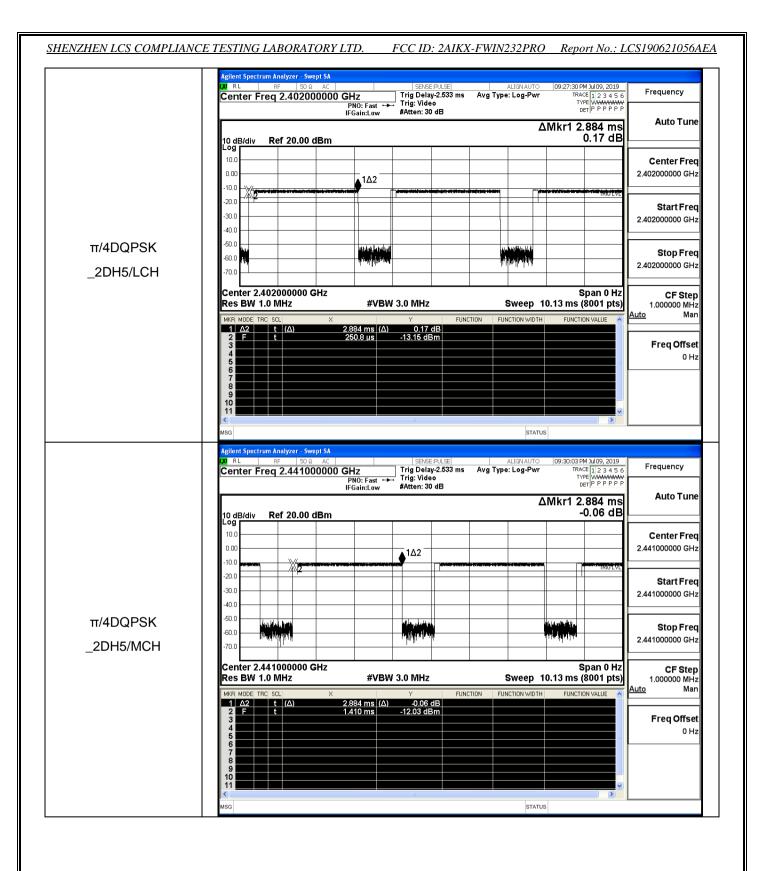


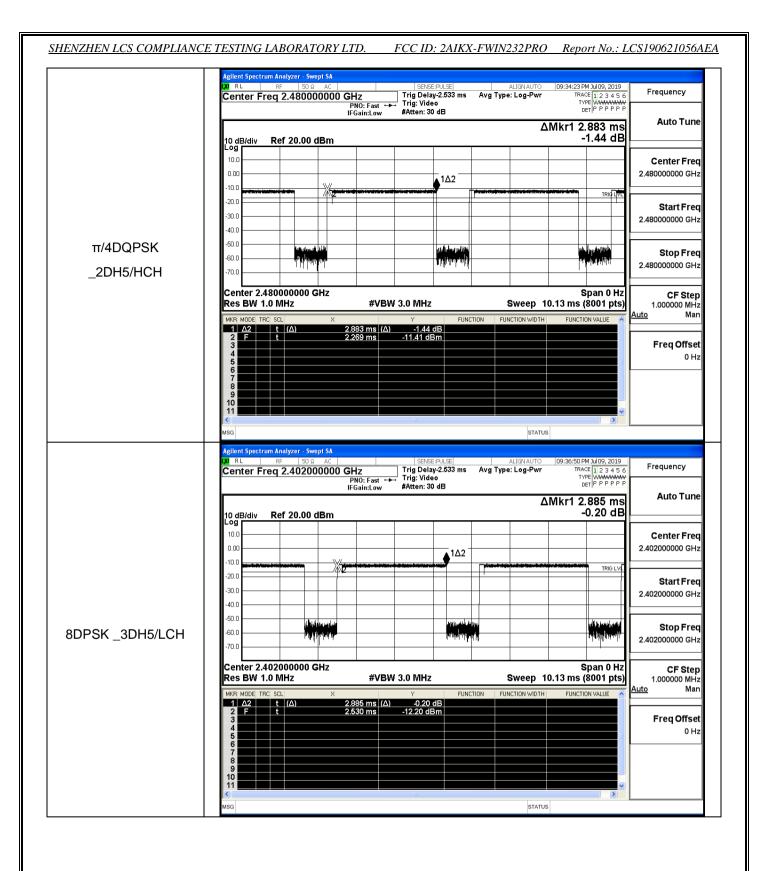
#### A.5 Dwell Time

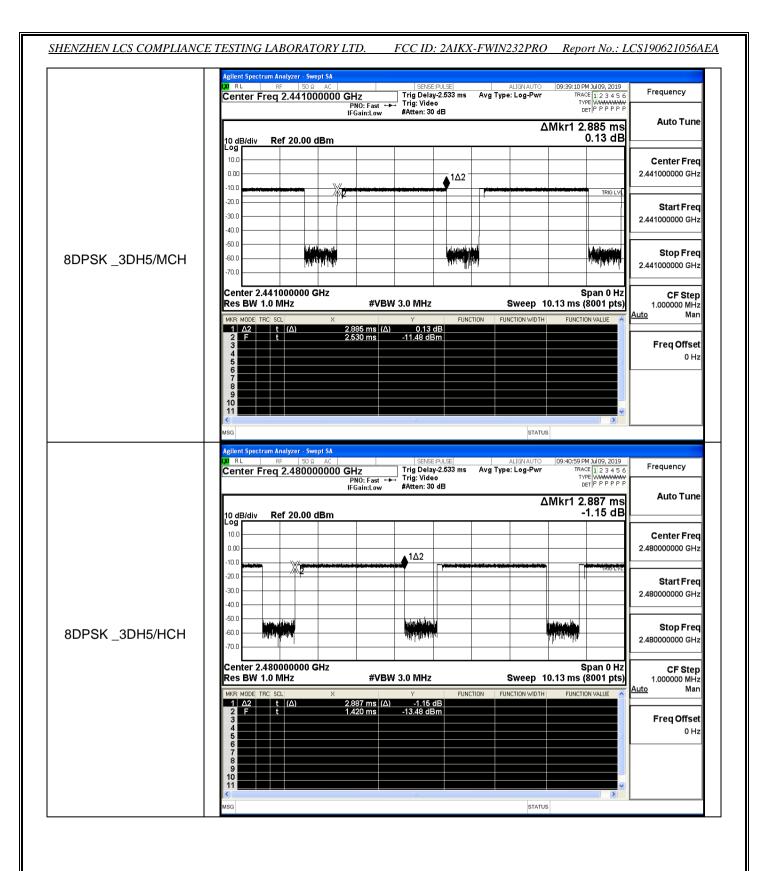
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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





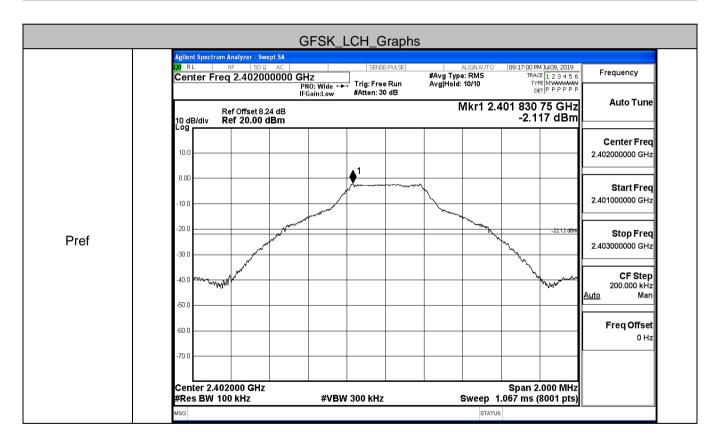






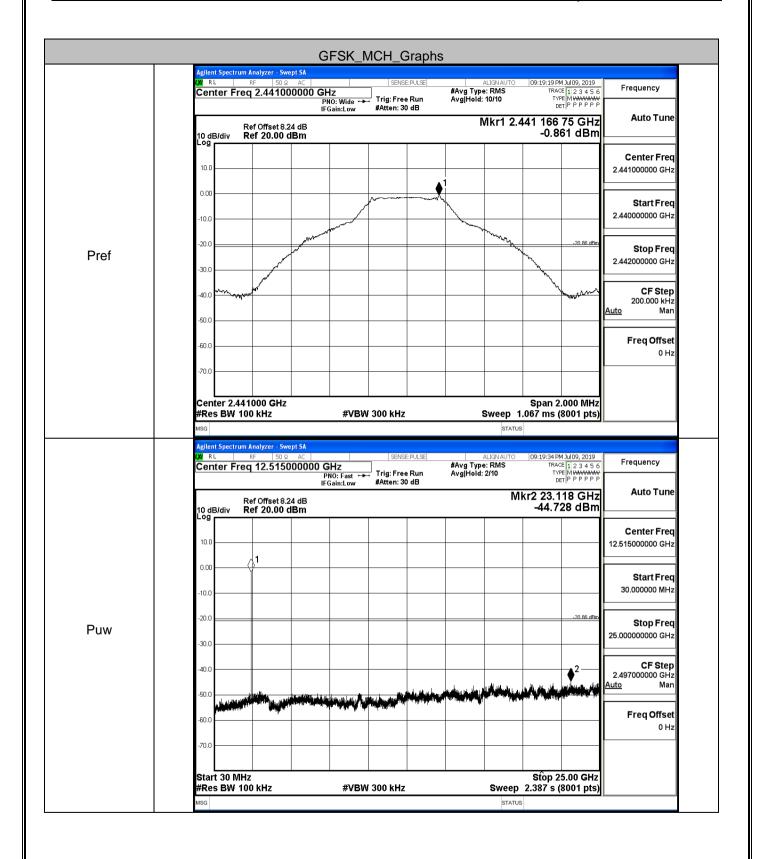
#### A.6 RF Conducted Spurious Emissions

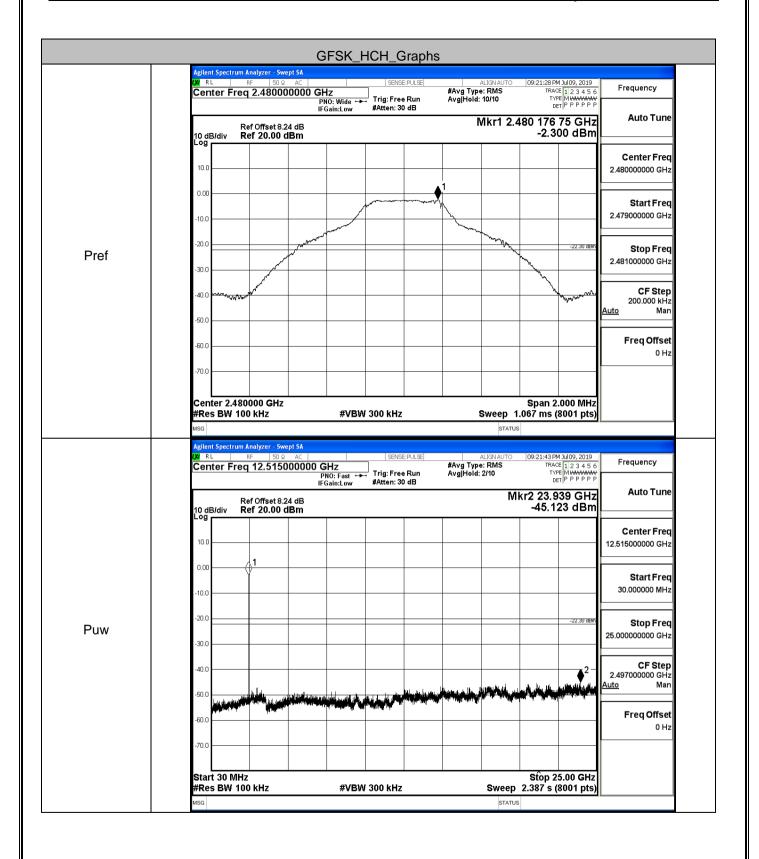
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-2.117	-44.567	-22.117	PASS
GFSK	MCH	-0.861	-44.728	-20.861	PASS
	HCH	-2.3	-45.123	-22.300	PASS
	LCH	-3.231	-43.590	-23.231	PASS
π/4DQPSK	MCH	-2.314	-44.747	-22.314	PASS
	HCH	-3.807	-45.263	-23.807	PASS
	LCH	-3.027	-41.796	-23.027	PASS
8DPSK	MCH	-2.063	-45.045	-22.063	PASS
	HCH	-3.308	-44.897	-23.308	PASS

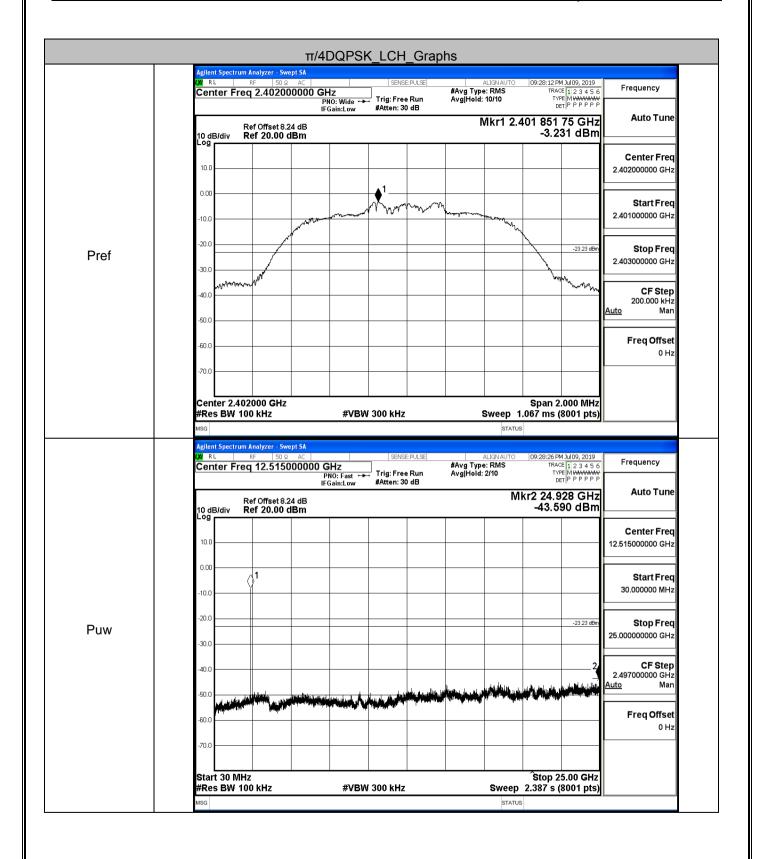


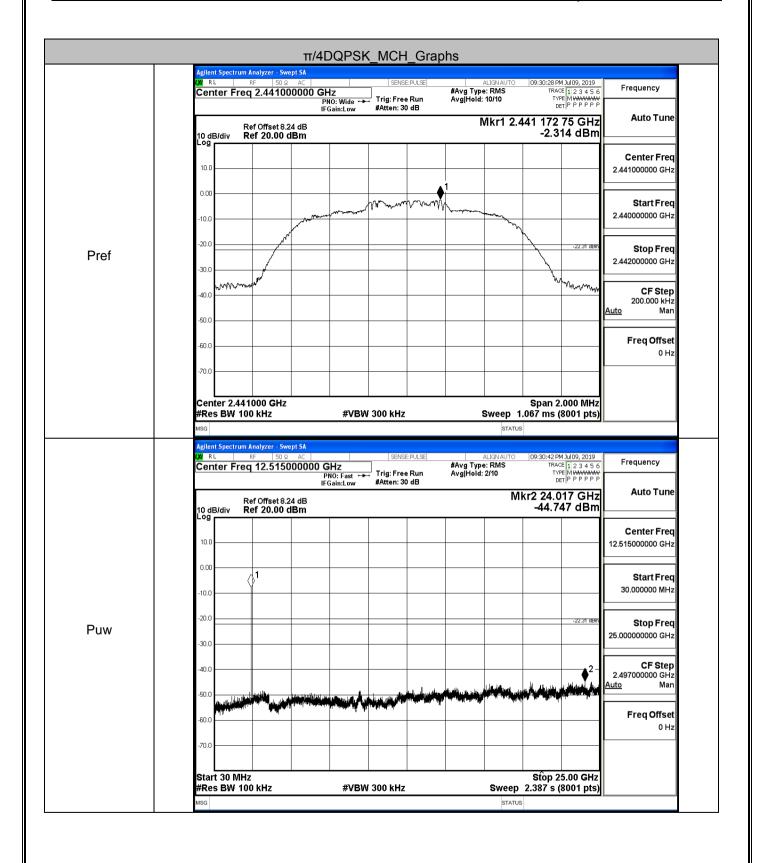
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX-FWIN232PRO Report No.: LCS190621056AEA Agilent Spectrum Analyzer - Swept SA Agilish Spiss Lune RF | 50 Q AC | Center Freq 12.515000000 GHz PNO: Fast ---- IFGain:Low #Atten: 30 dB #Avg Type: RMS TYPE M Val09, 2019 #Avg Hold: 2/10 TYPE M VANAMAN DET | P P P P P P Frequency Mkr2 23.783 GHz -44.567 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 12.515000000 GHz 0.00 Start Freq 30.000000 MHz -10 O -20.0 Stop Freq Puw 25.000000000 GHz -30.0 **CF Step** 2.497000000 GHz <u>Auto</u> Man 40.0 Auto -50.0 Freq Offset -60.0 0 Hz -70.0 Start 30 MHz #Res BW 100 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts) **#VBW** 300 kHz

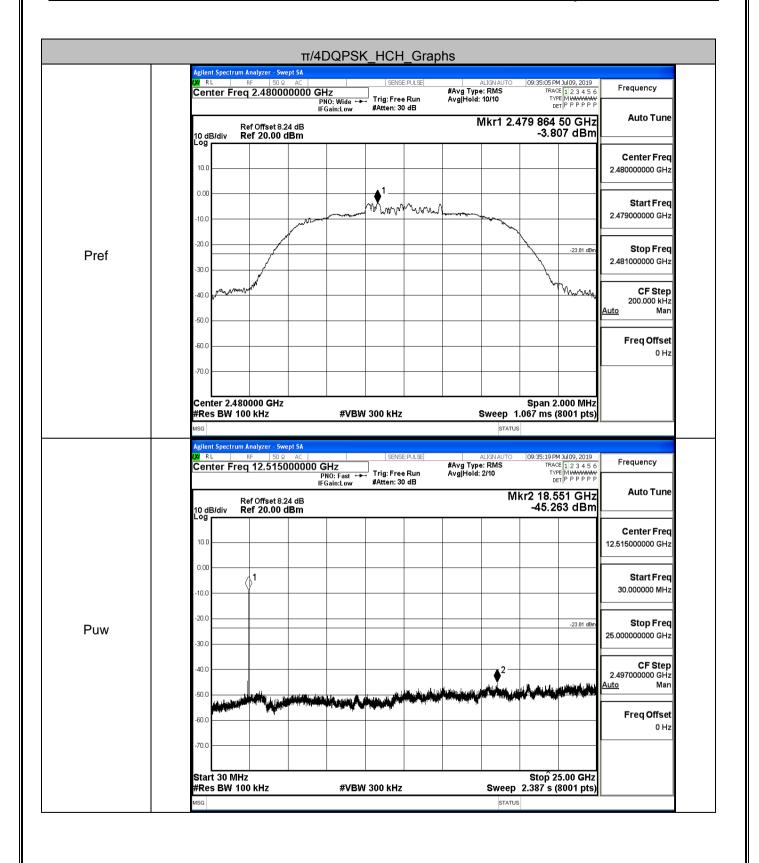
STATUS

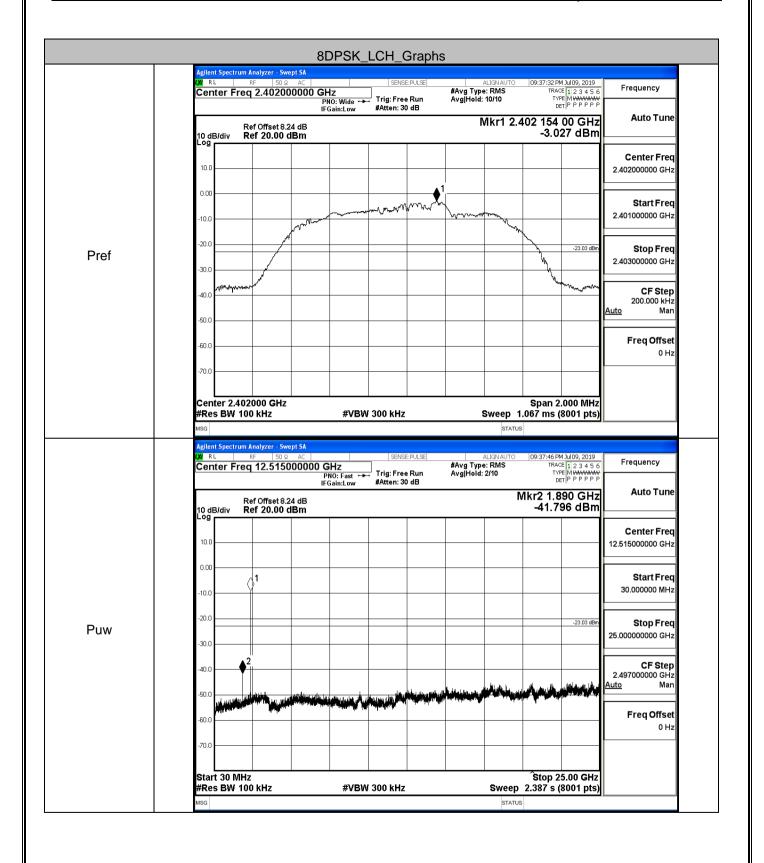


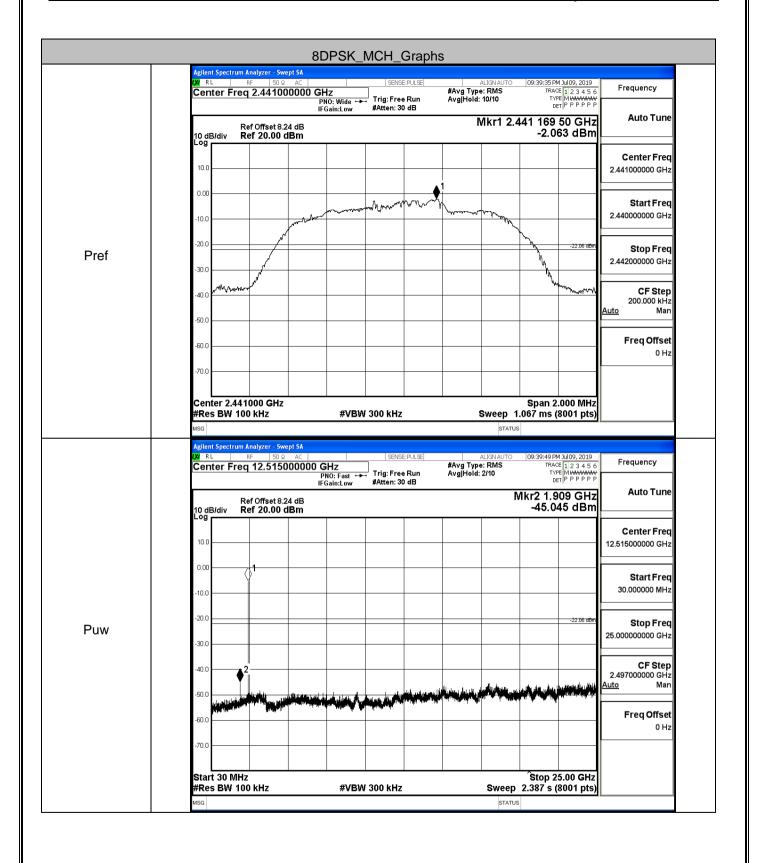


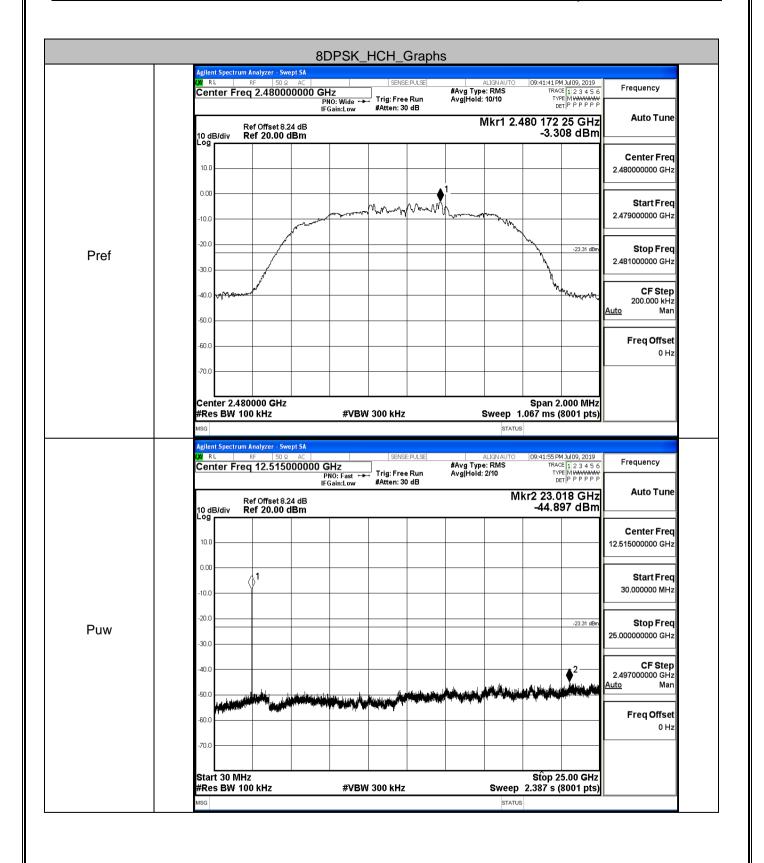






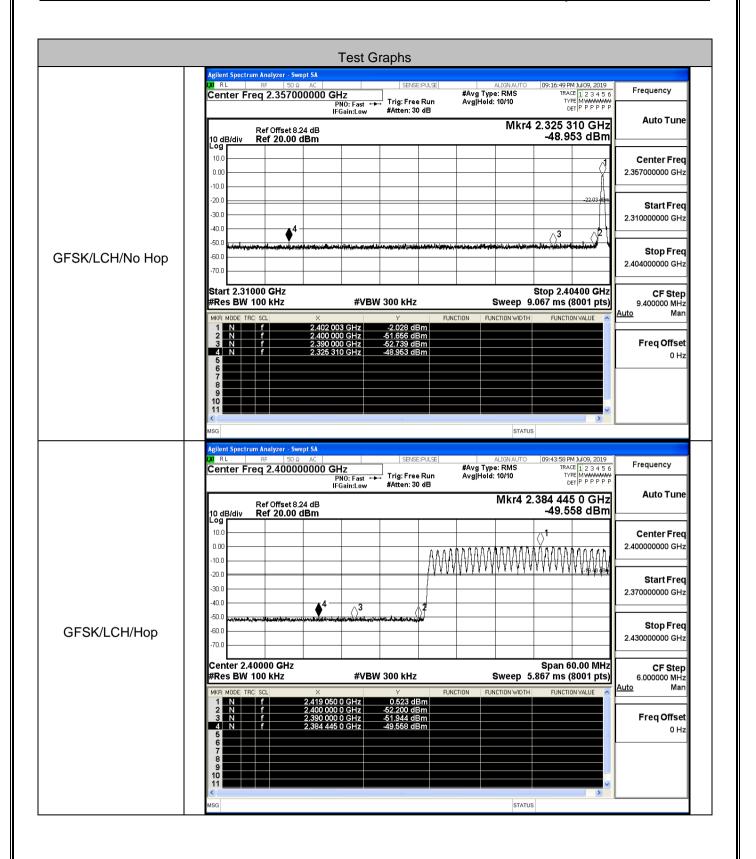


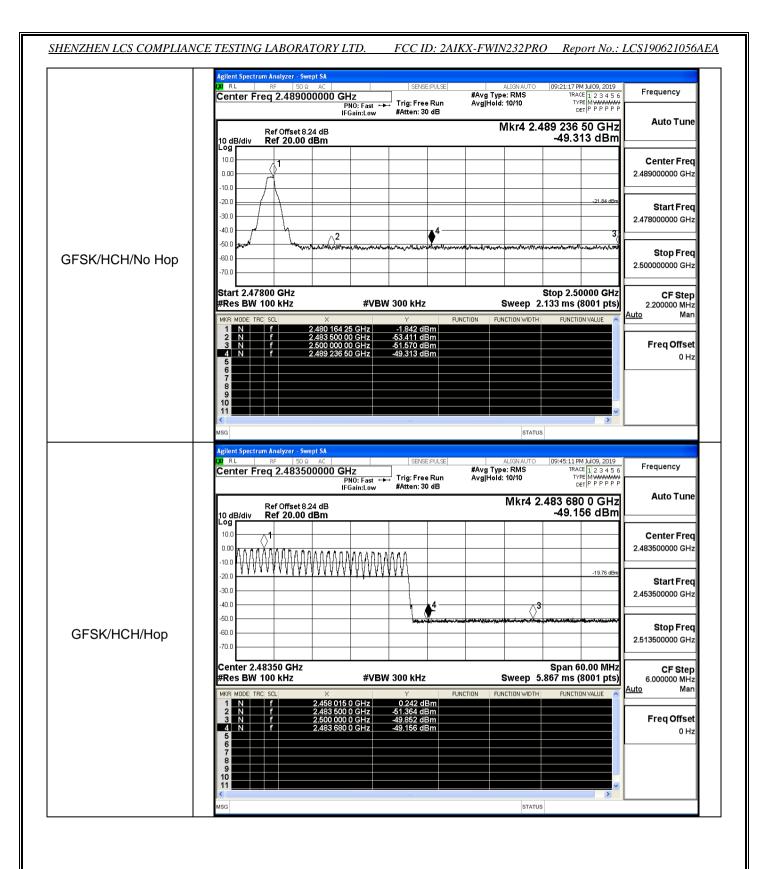


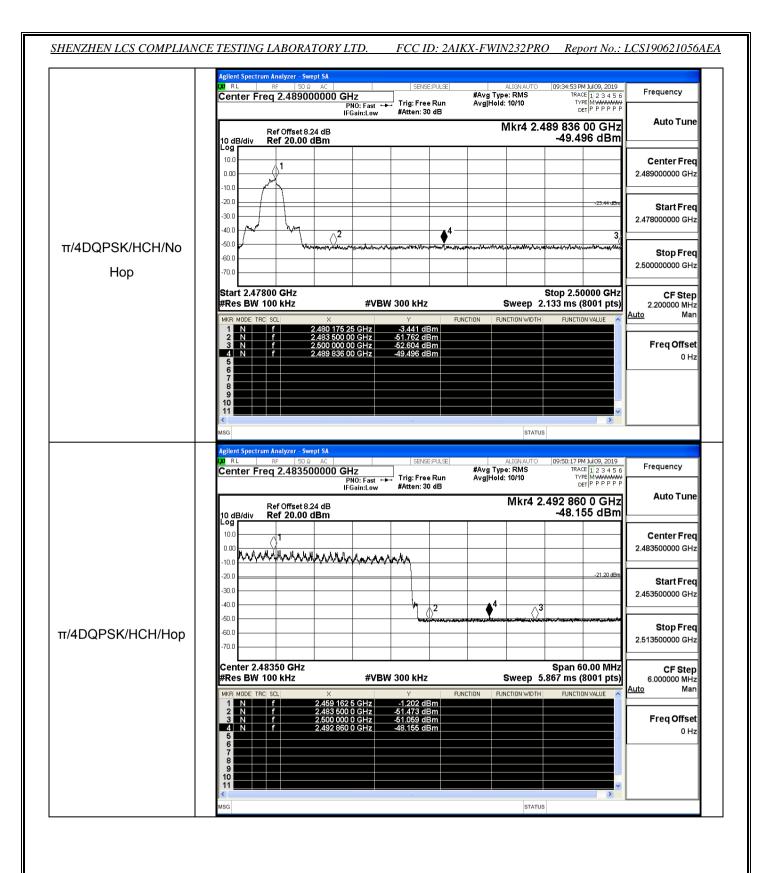


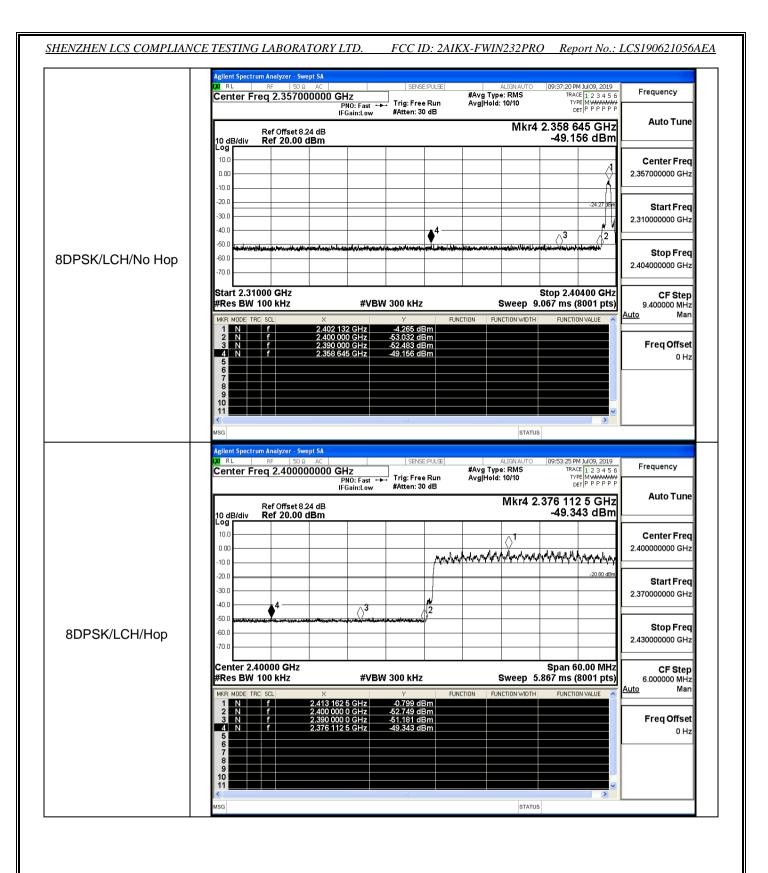
## A.7 Band-edge for RF Conducted Emissions

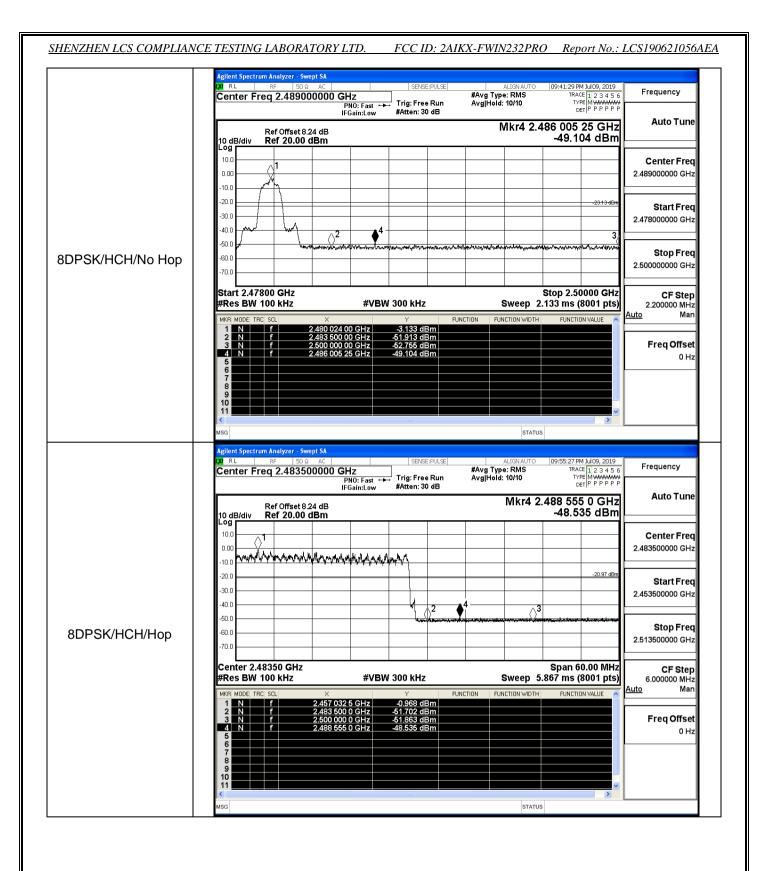
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			-2.028	Off	-48.953	-22.03	PASS	
2-21/	LCH	2402	0.523	On	-49.558	-19.48	PASS	
GFSK	нсн			-1.842	Off	-49.313	-21.84	PASS
		2480	0.242	On	-49.156	-19.76	PASS	
	LCH			-2.966	Off	-49.914	-22.97	PASS
		2402	-0.775	On	-49.102	-20.78	PASS	
π/4DQPSK	нсн		-3.441	Off	-49.496	-23.44	PASS	
		2480	-1.202	On	-48.155	-21.2	PASS	
			-4.265	Off	-49.156	-24.27	PASS	
	LCH	2402	-0.799	On	-49.343	-20.8	PASS	
8DPSK			-3.133	Off	-49.104	-23.13	PASS	
	HCH	2480	-0.968	On	-48.535	-20.97	PASS	







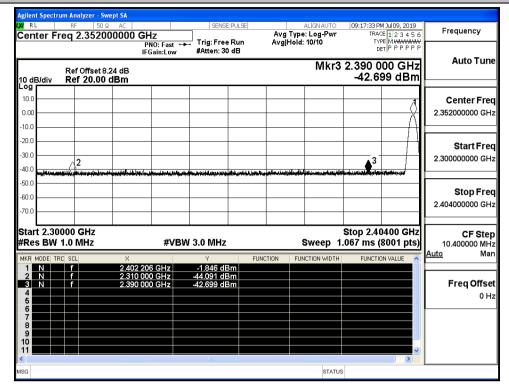




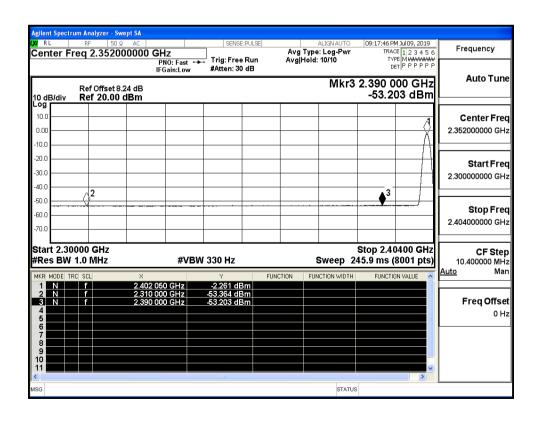
## A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.09	2.0	0	51.17	PEAK	74	PASS
	Off	2310.0	-53.36	2.0	0	41.89	AV	54	PASS
	Off	2390.0	-42.70	2.0	0	52.56	PEAK	74	PASS
	Off	2390.0	-53.20	2.0	0	42.05	AV	54	PASS
GFSK	Off	2483.5	-43.24	2.0	0	52.02	PEAK	74	PASS
	Off	2483.5	-52.80	2.0	0	42.46	AV	54	PASS
	Off	2500.0	-42.99	2.0	0	52.27	PEAK	74	PASS
	Off	2500.0	-52.79	2.0	0	42.46	AV	54	PASS
	Off	2310.0	-43.06	2.0	0	52.20	PEAK	74	PASS
	Off	2310.0	-53.31	2.0	0	41.95	AV	54	PASS
	Off	2390.0	-43.31	2.0	0	51.94	PEAK	74	PASS
	Off	2390.0	-53.09	2.0	0	42.17	AV	54	PASS
π/4DQPSK	Off	2483.5	-41.93	2.0	0	53.33	PEAK	74	PASS
	Off	2483.5	-52.89	2.0	0	42.36	AV	54	PASS
	Off	2500.0	-41.84	2.0	0	53.42	PEAK	74	PASS
	Off	2500.0	-52.76	2.0	0	42.50	AV	54	PASS
	Off	2310.0	-43.43	2.0	0	51.83	PEAK	74	PASS
	Off	2310.0	-53.42	2.0	0	41.83	AV	54	PASS
	Off	2390.0	-42.97	2.0	0	52.28	PEAK	74	PASS
	Off	2390.0	-53.08	2.0	0	42.18	AV	54	PASS
8DPSK	Off	2483.5	-42.46	2.0	0	52.80	PEAK	74	PASS
	Off	2483.5	-52.83	2.0	0	42.43	AV	54	PASS
	Off	2500.0	-42.73	2.0	0	52.53	PEAK	74	PASS
	Off	2500.0	-52.72	2.0	0	42.54	AV	54	PASS

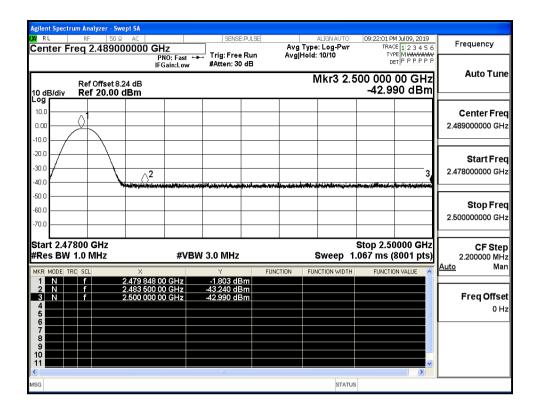




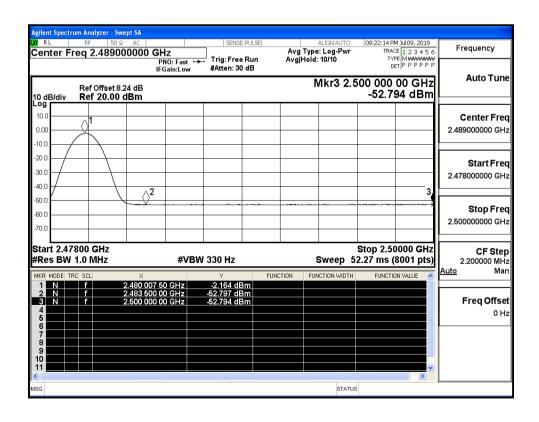
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



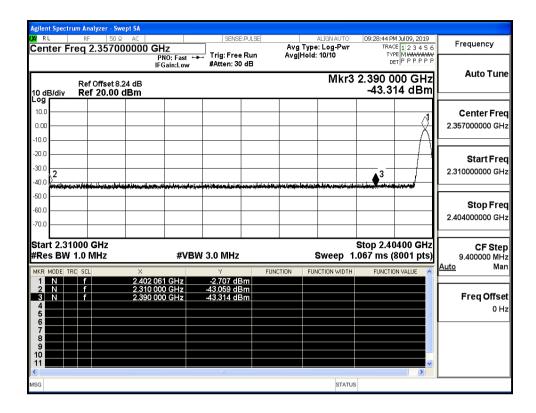
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



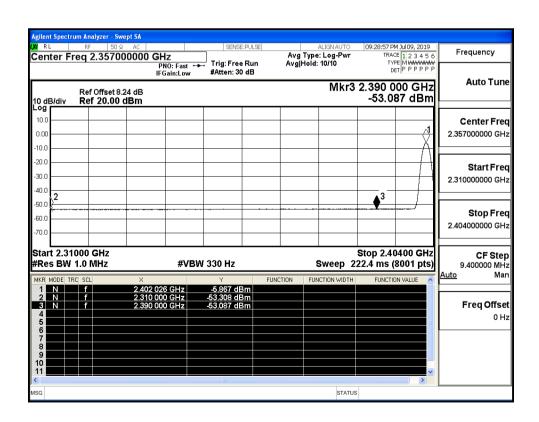
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



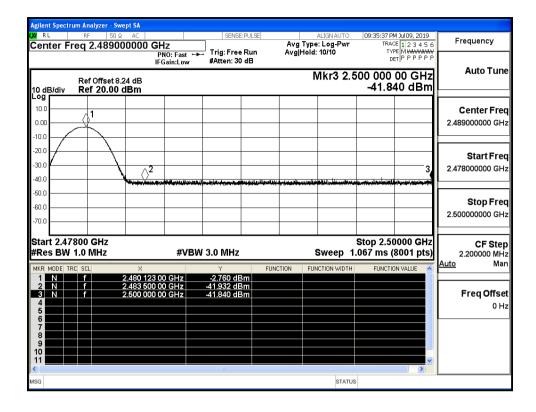
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



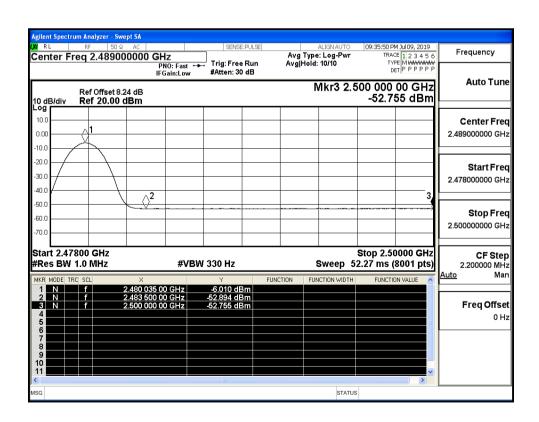
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



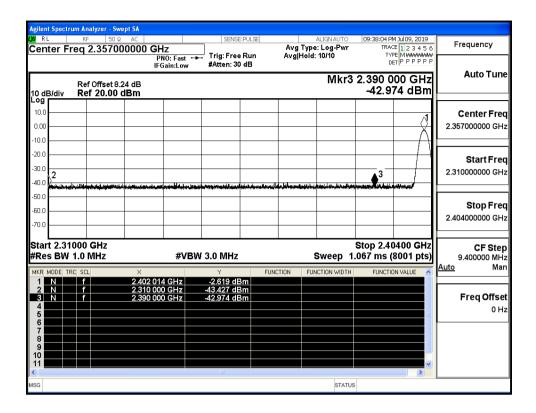
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



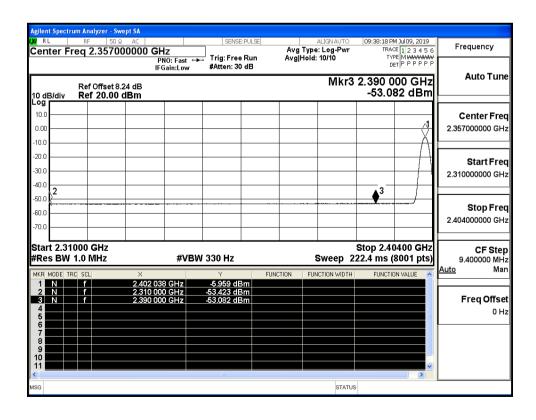
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



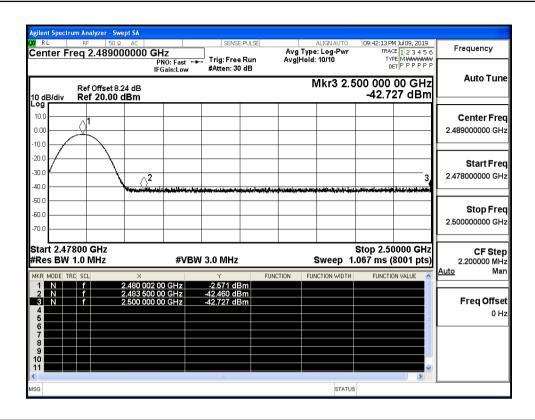
#### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



#### 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)

