Appendix A

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

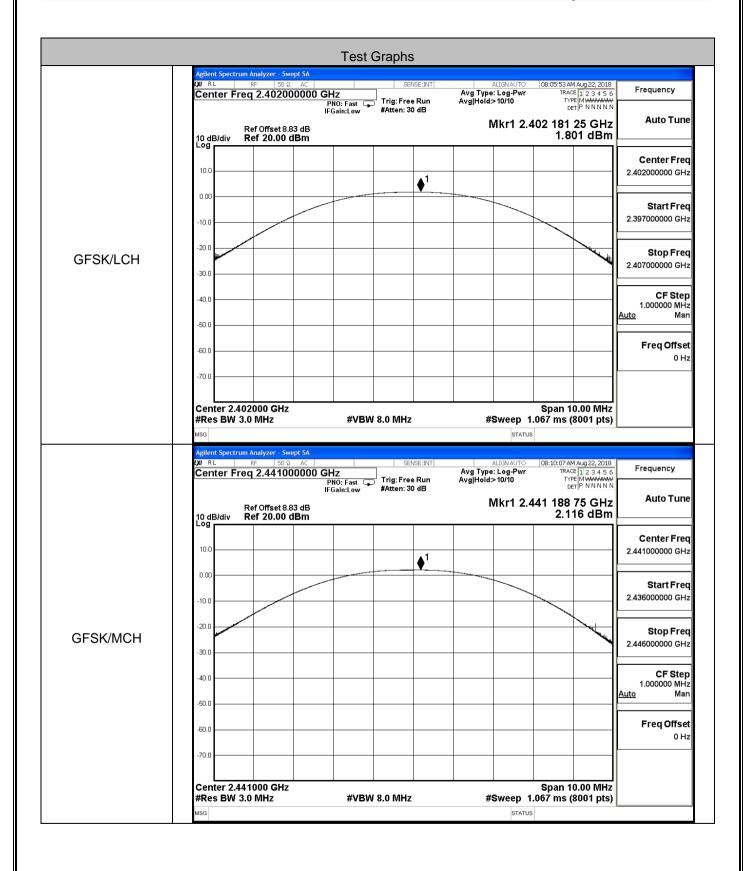
Product Name: T5
Trade Mark: AWEI
Test Model: T5

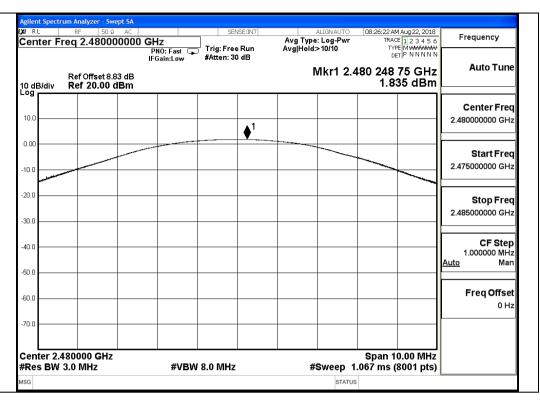
Environmental Conditions

Temperature:	23.6 °C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

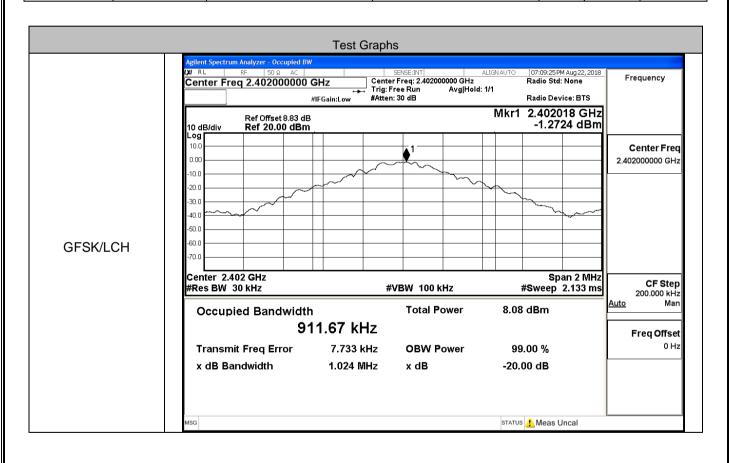
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	1.801	21	PASS
GFSK	MCH	2.116	21	PASS
	НСН	1.891	21	PASS
	LCH	1.700	21	PASS
π/4DQPSK	MCH	2.055	21	PASS
	НСН	1.807	21	PASS
	LCH	1.688	21	PASS
8DPSK	MCH	2.041	21	PASS
	НСН	1.835	21	PASS





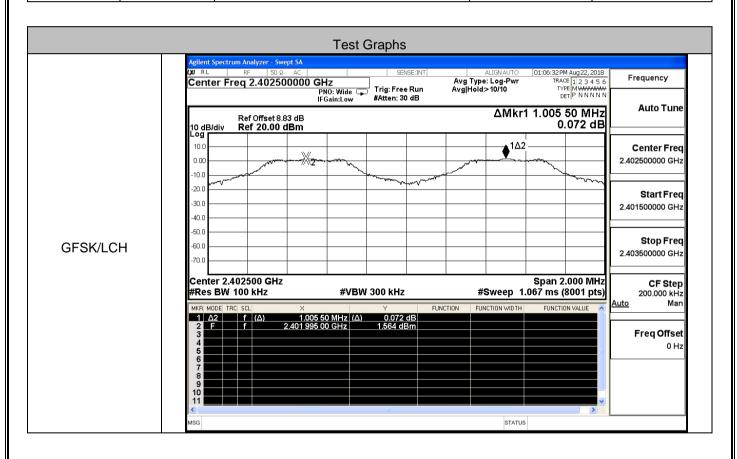
A.2 99% and 20dB Bandwidth

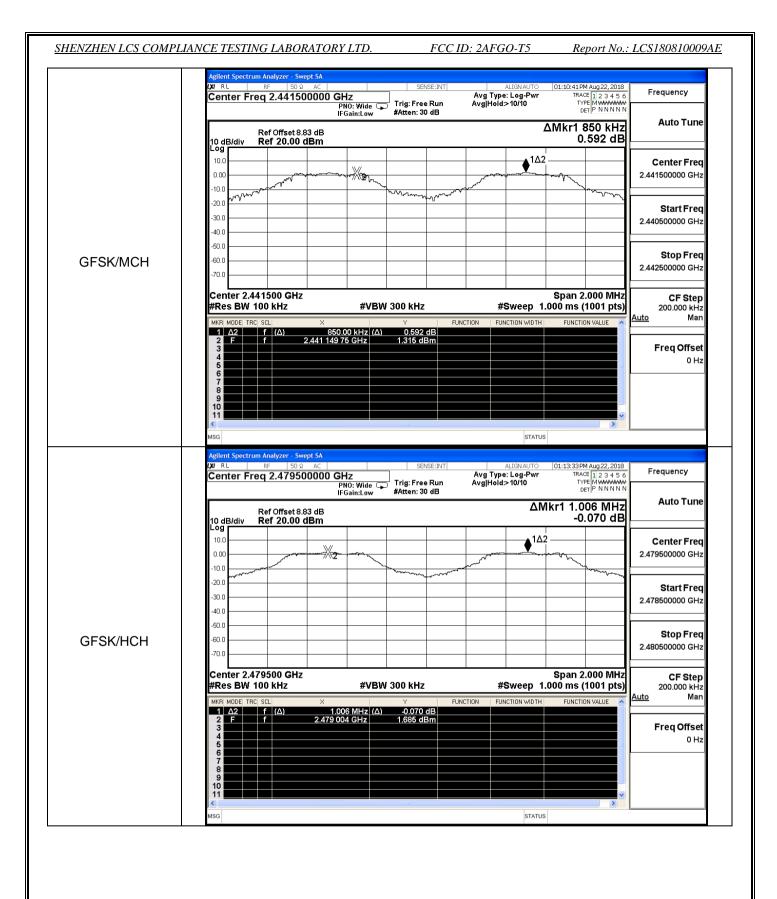
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.91167	1.024	Not Specified	PASS
GFSK	MCH	0.90981	1.026	Not Specified	PASS
	HCH	0.94350	1.031	Not Specified	PASS
	LCH	1.2588	1.340	Not Specified	PASS
π/4DQPSK	MCH	1.3023	1.349	Not Specified	PASS
	HCH	1.3017	1.372	Not Specified	PASS
	LCH	1.2105	1.307	Not Specified	PASS
8DPSK	BDPSK MCH 1.22		1.301	Not Specified	PASS
	HCH	1.2410	1.313	Not Specified	PASS

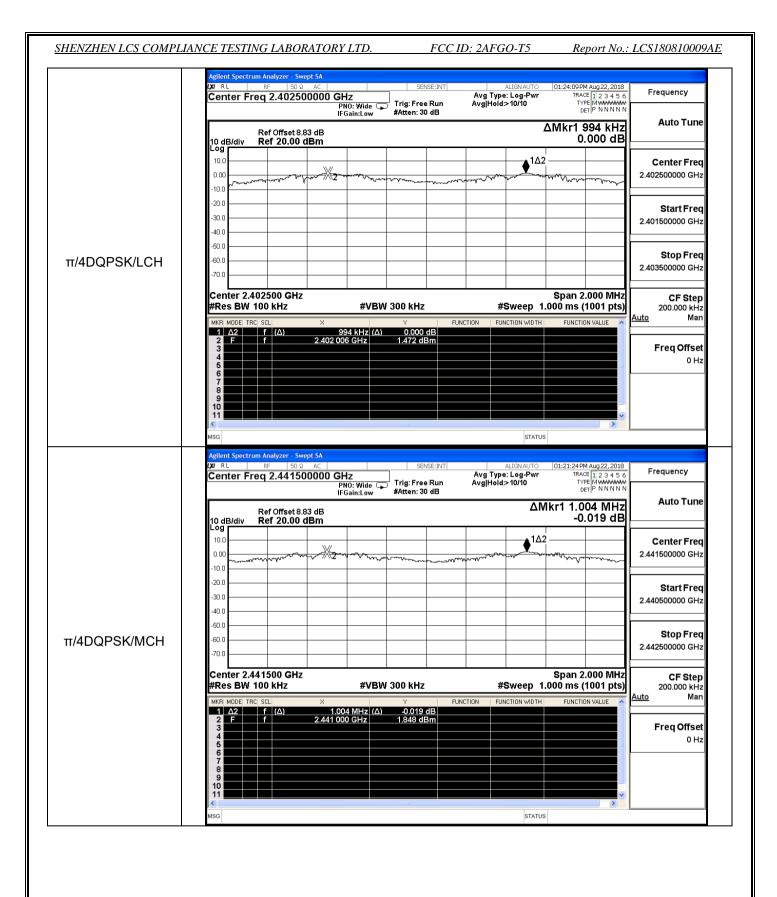


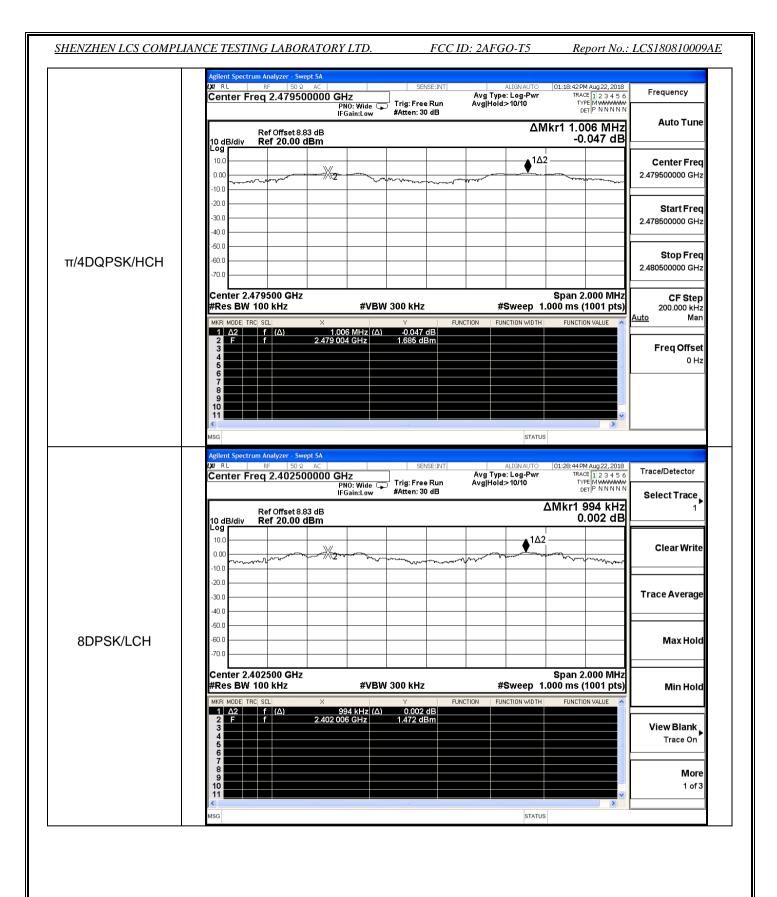
A.3 Carrier Frequency Separation

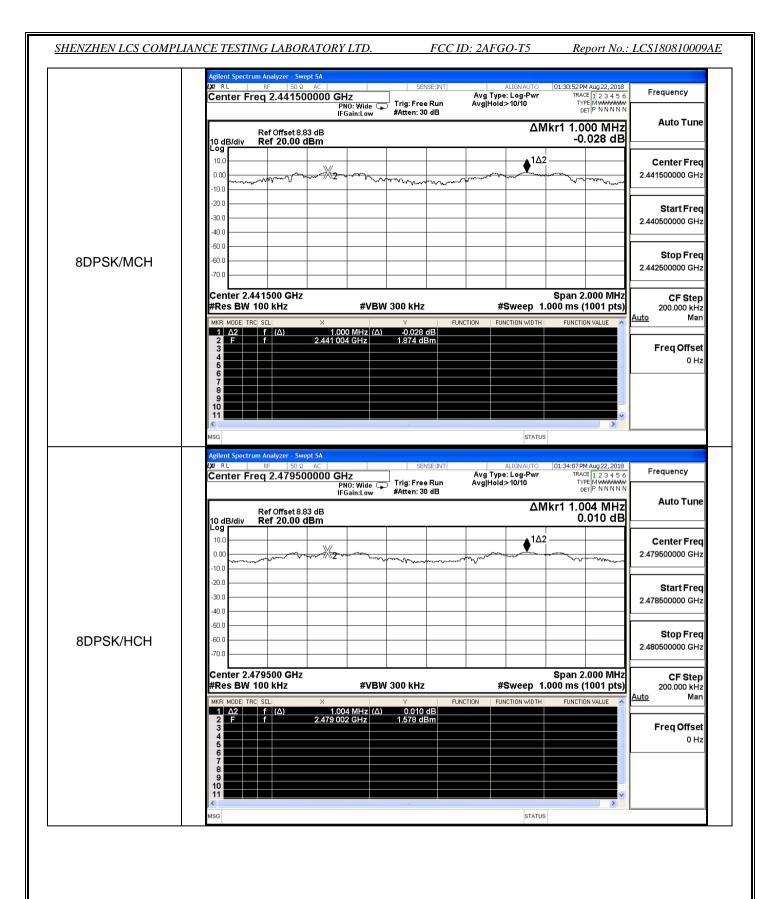
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH 1.005		0.684	PASS
GFSK	MCH	0.850	0.684	PASS
	HCH	1.006	0.684	PASS
	LCH	0.994	0.915	PASS
π/4DQPSK	MCH	1.004	0.915	PASS
	HCH	1.006	0.915	PASS
	LCH	0.994	0.875	PASS
8DPSK	DPSK MCH 1.000		0.875	PASS
	HCH	1.004	0.875	PASS





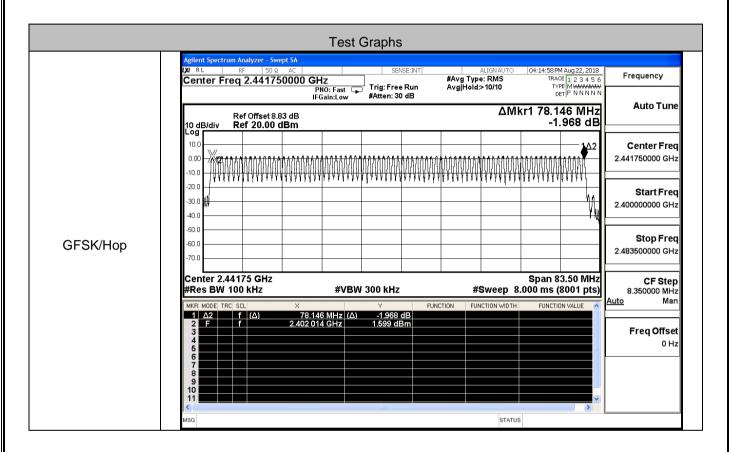






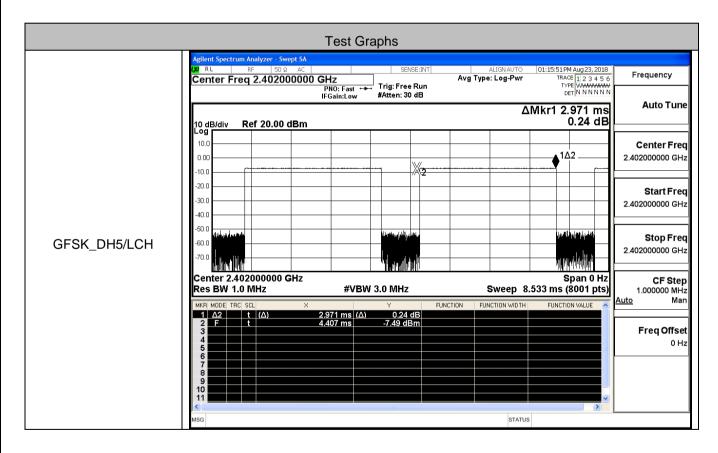
A.4 Hopping Channel Number

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



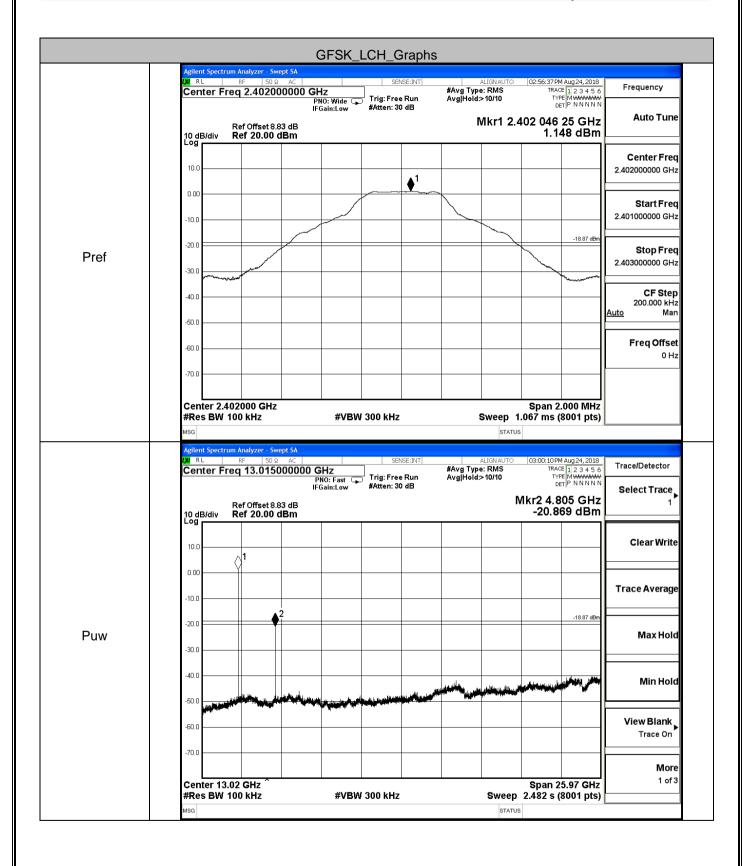
A.5 Dwell Time

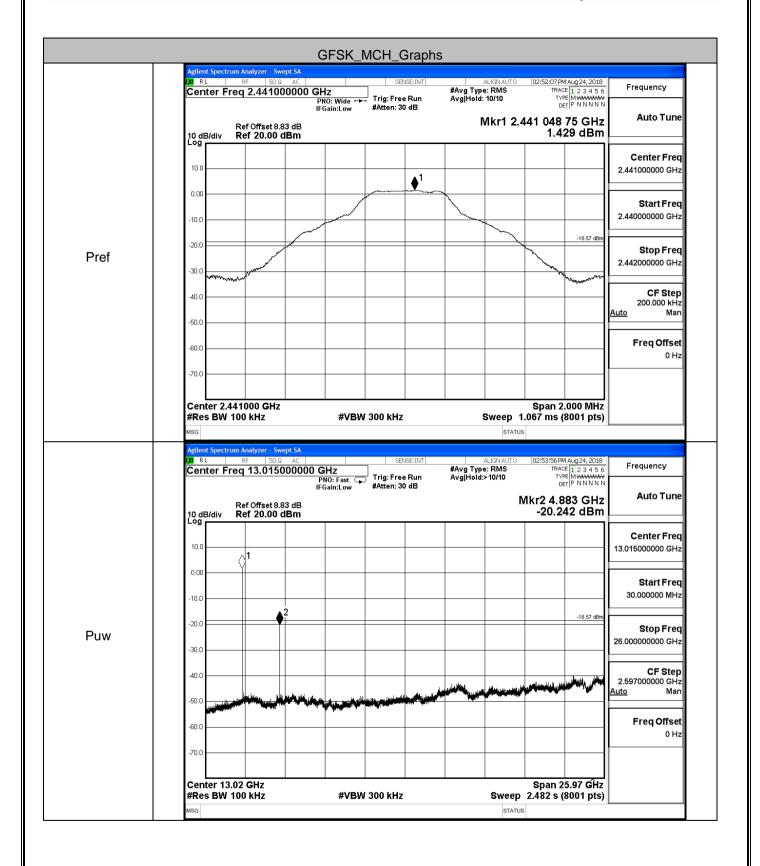
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.971	106.7	0.317	0.4	PASS
GFSK	GFSK DH5 MCH		2.901	106.7	0.310	0.4	PASS
	DH5	HCH	2.893	106.7	0.309	0.4	PASS
	2DH5	LCH	2.912	106.7	0.311	0.4	PASS
π/4DQPSK	2DH5	MCH	2.921	106.7	0.312	0.4	PASS
	2DH5	HCH	2.913	106.7	0.311	0.4	PASS
	3DH5	LCH	2.913	106.7	0.311	0.4	PASS
8DPSK	3DH5	MCH	2.934	106.7	0.313	0.4	PASS
	3DH5	НСН	2.960	106.7	0.316	0.4	PASS

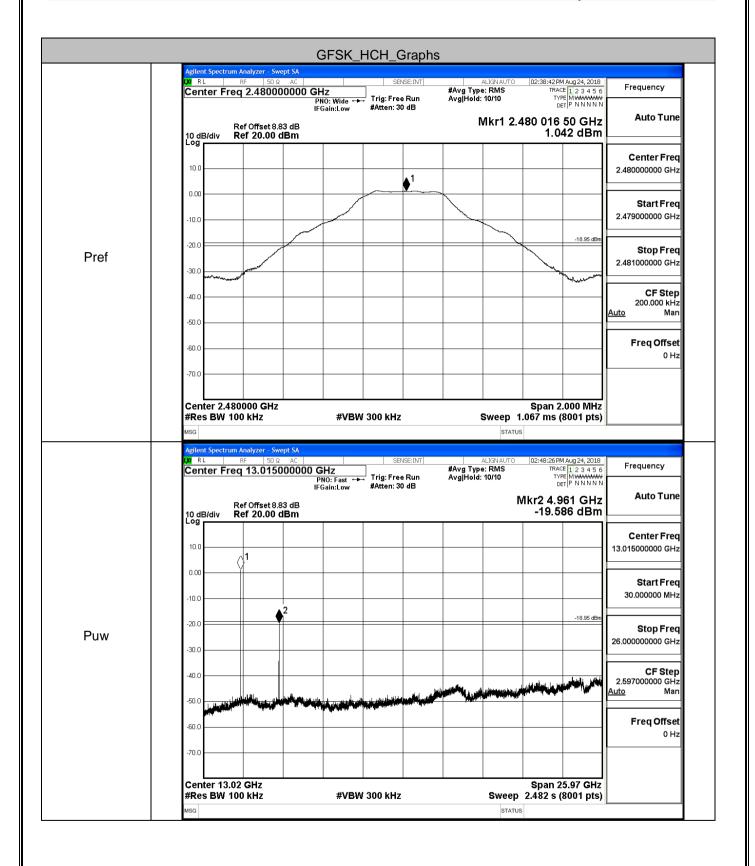


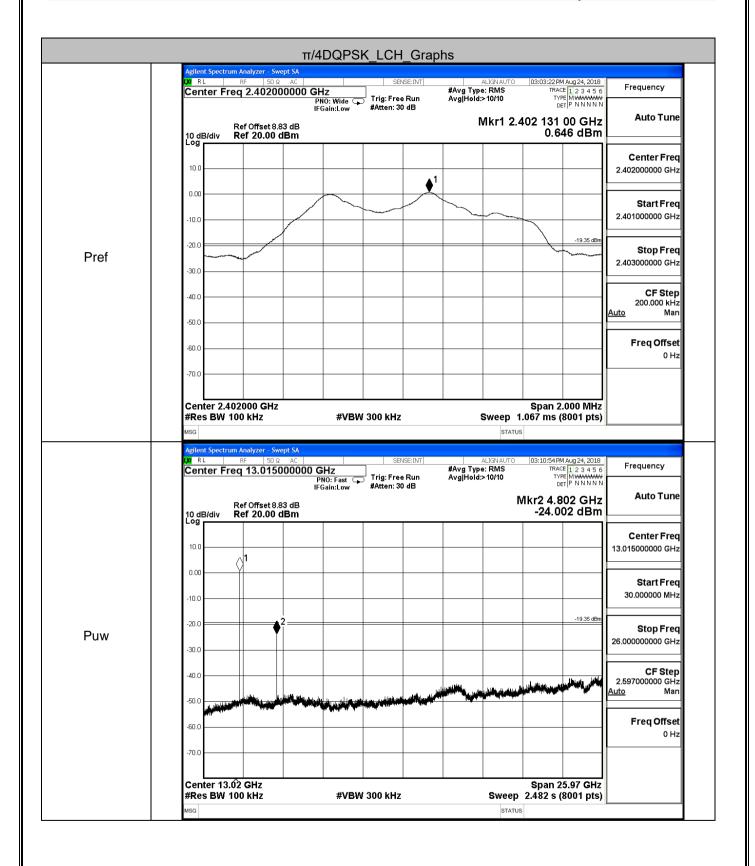
A.6 RF Conducted Spurious Emissions

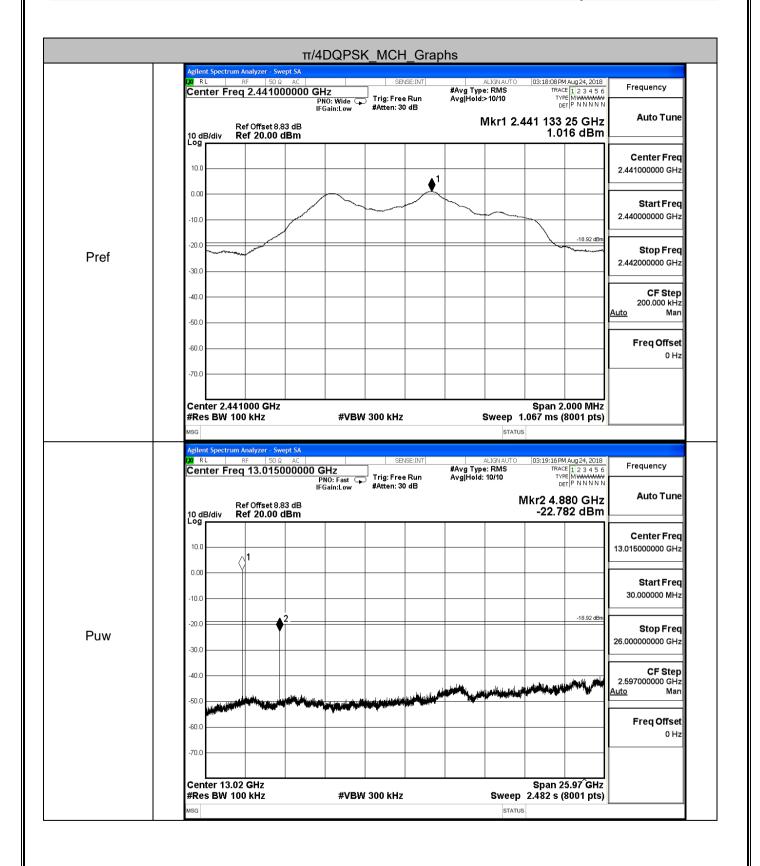
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	1.148	-20.869	-18.852	PASS
GFSK	MCH	1.429	-20.242	-18.571	PASS
	НСН	1.042	-19.586	-18.958	PASS
	LCH	0.646	-24.002	-19.354	PASS
π/4DQPSK	MCH	1.016	-22.782	-18.984	PASS
	НСН	0.843	-23.759	-19.157	PASS
	LCH	-0.257	-23.898	-20.257	PASS
8DPSK	BDPSK MCH 0.231		-21.341	-19.769	PASS
	HCH	0.172	-24.237	-19.828	PASS

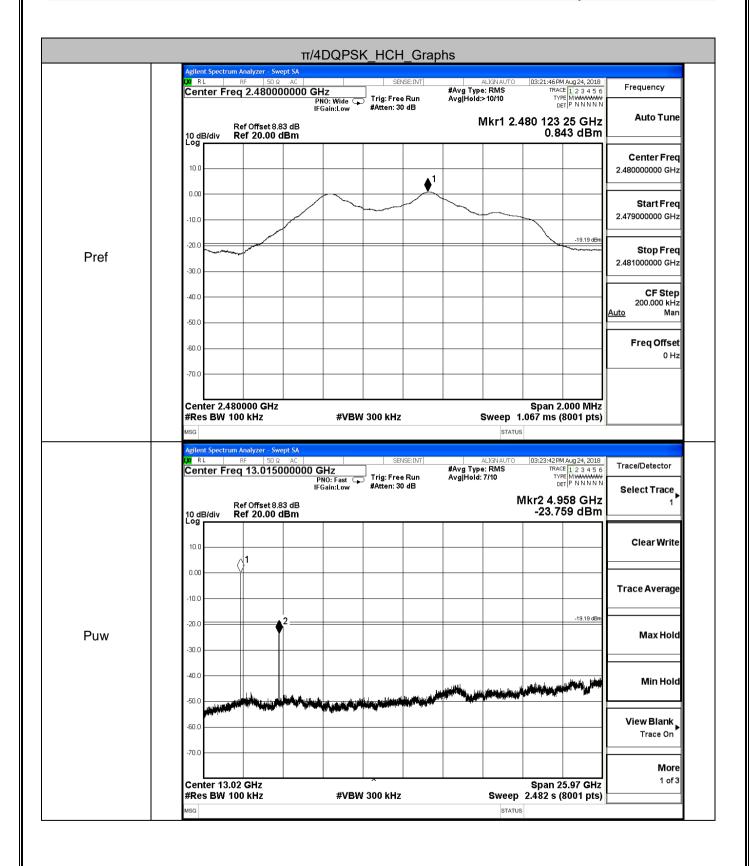


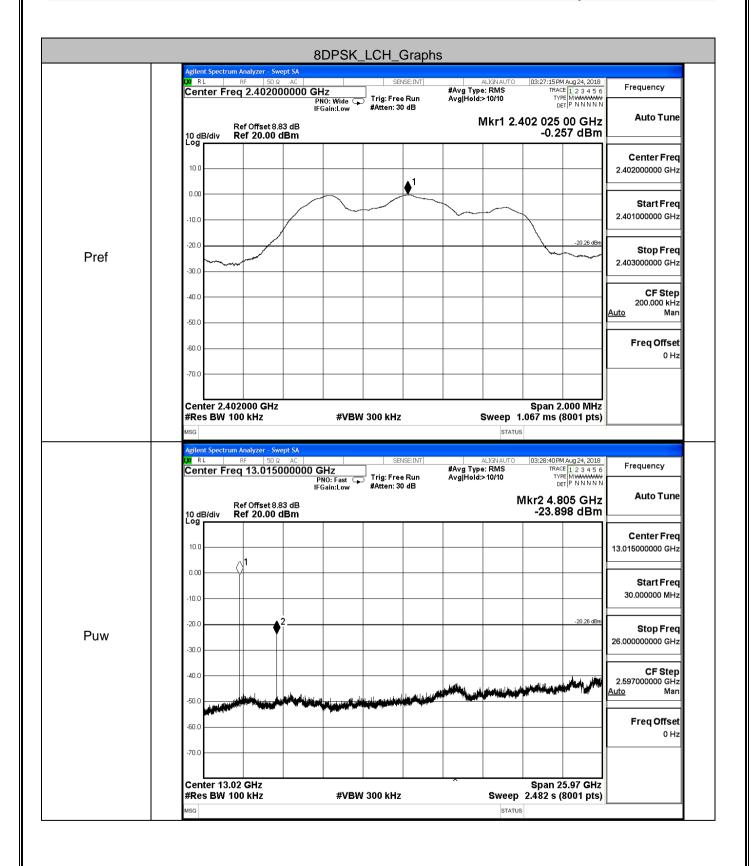


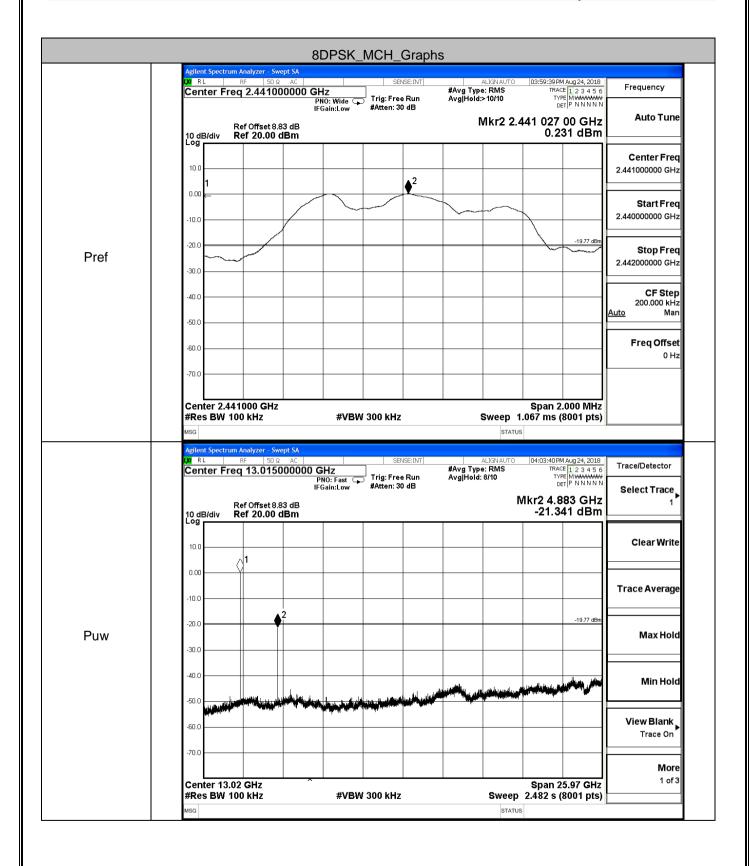


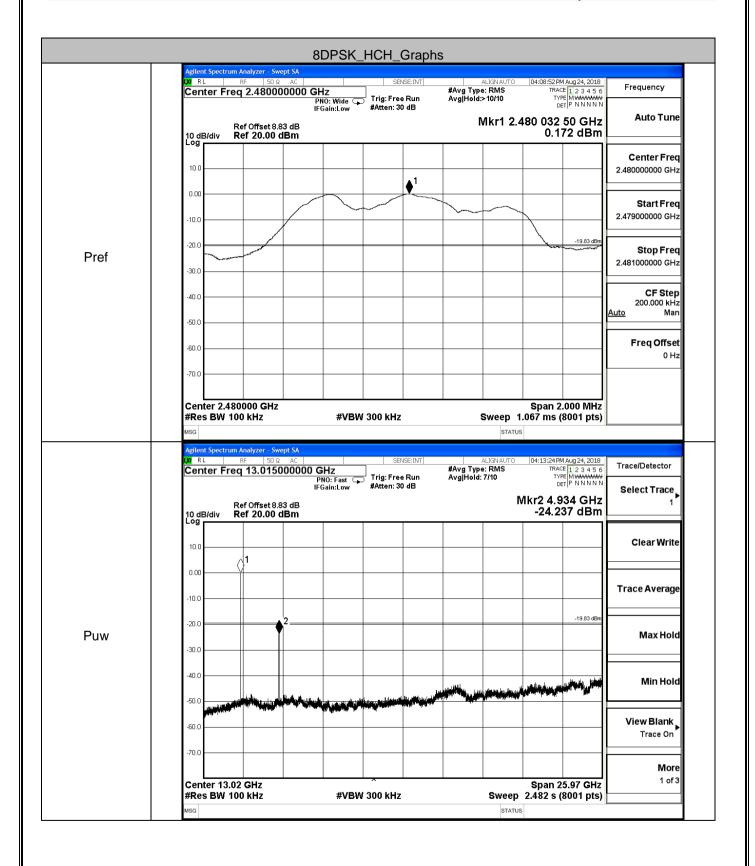






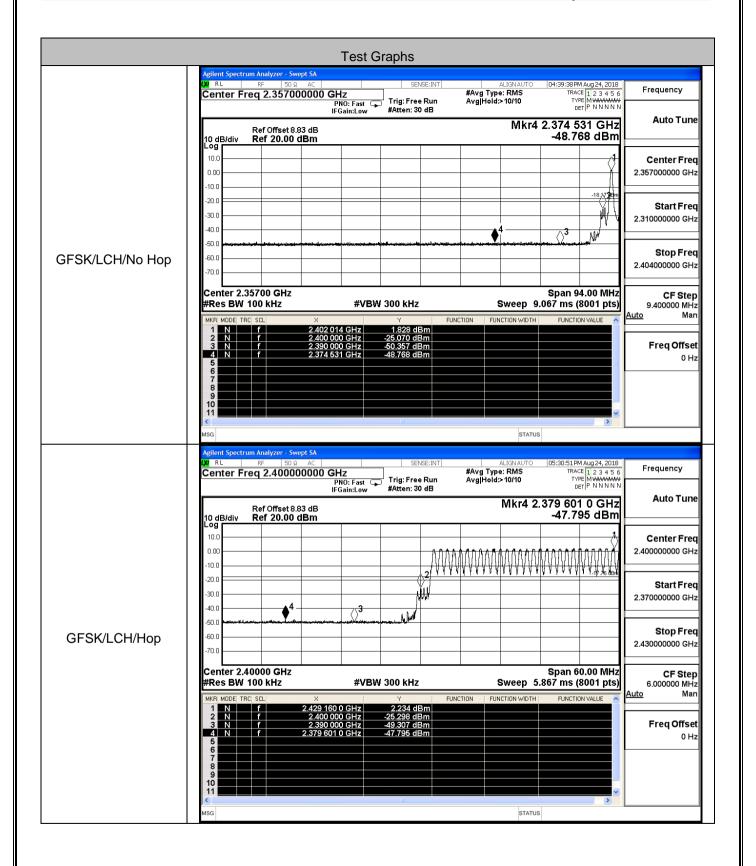


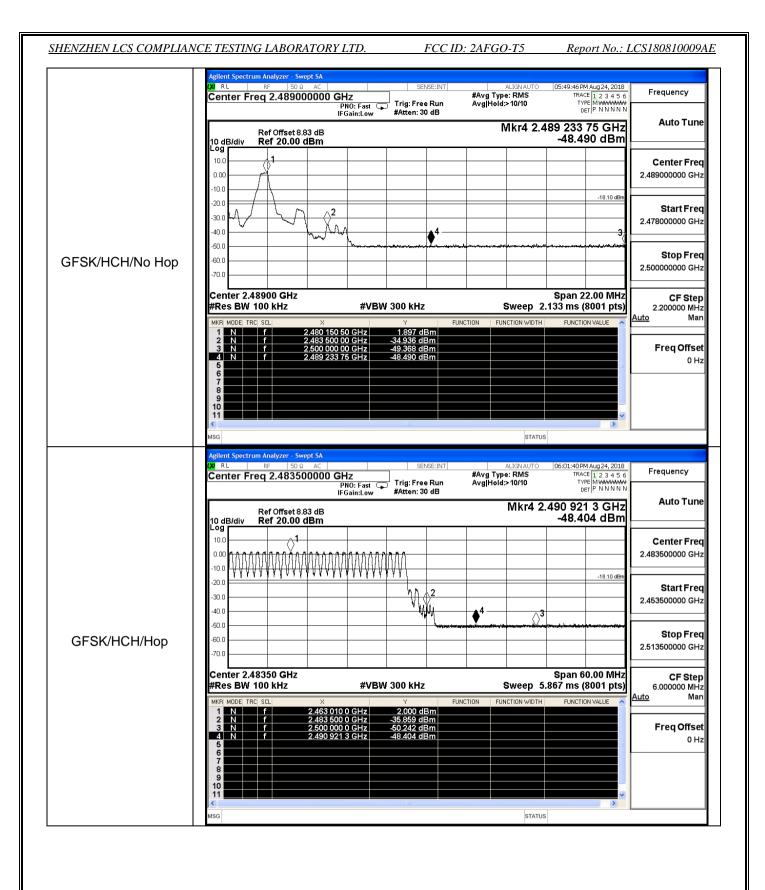


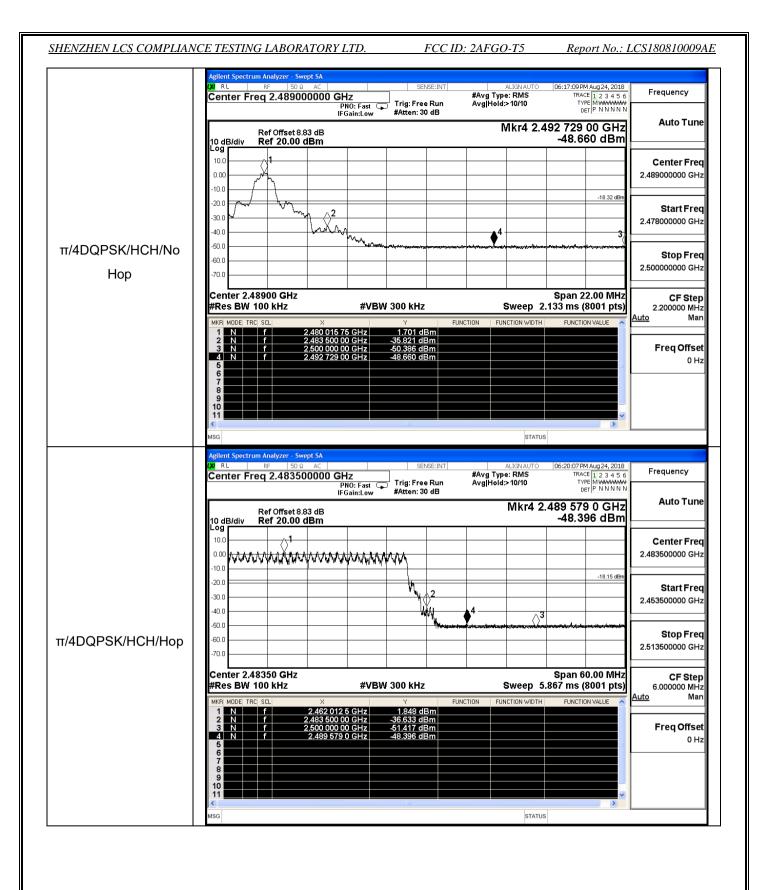


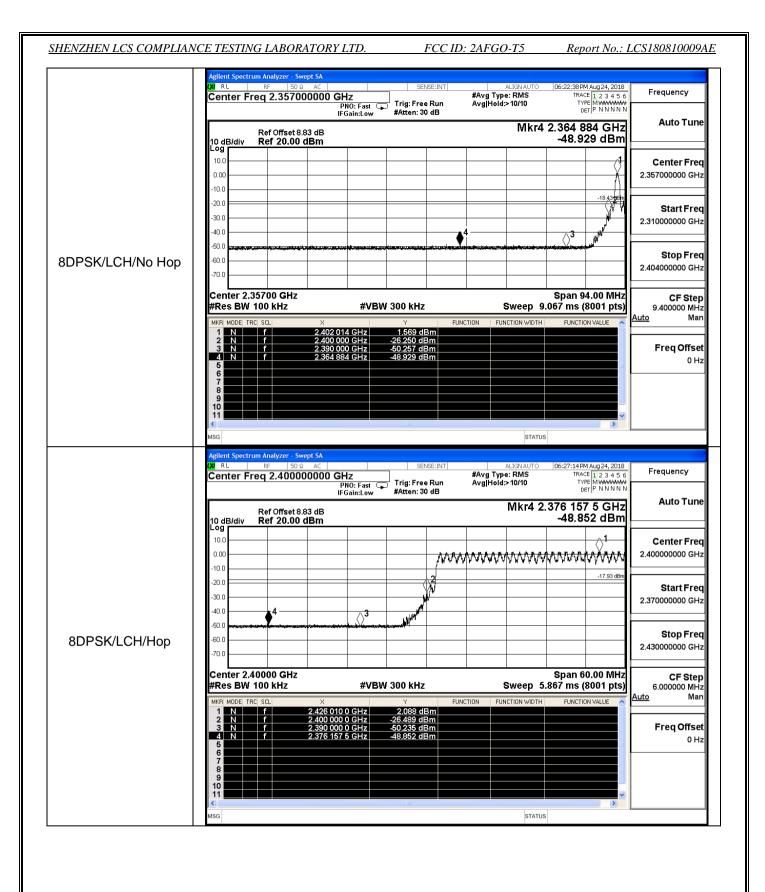
A.7 Band-edge for RF Conducted Emissions

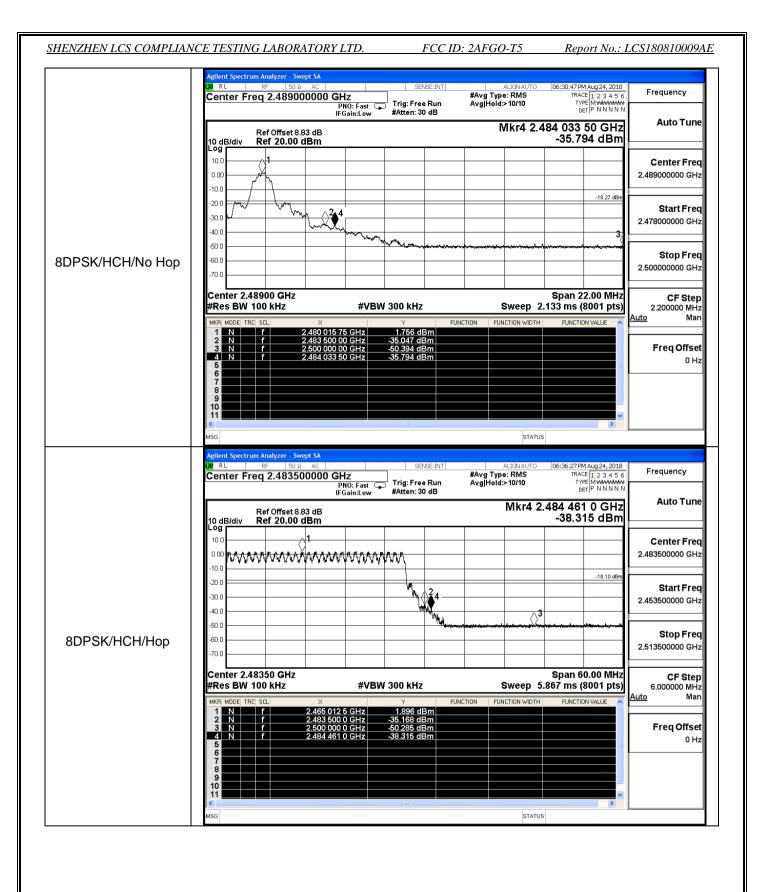
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict			
			1.828	Off	-48.768	-18.172	PASS			
	LCH	2402	2.234	On	-47.795	-17.766	PASS			
GFSK	нсн			1.897	Off	-48.490	-18.103	PASS		
		2480	2.000	On	-48.404	-18.000	PASS			
	LCH					1.613	Off	-50.676	-18.387	PASS
		2402	2.136	On	-48.946	-17.864	PASS			
π/4DQPSK	нсн	ICH 2480	1.701	Off	-48.660	-18.299	PASS			
			1.848	On	-48.396	-18.152	PASS			
			1.569	Off	-48.929	-18.431	PASS			
	LCH	2402	2.088	On	-48.852	-17.912	PASS			
8DPSK			1.756	Off	-35.794	-18.244	PASS			
	HCH	2480	1.896	On	-38.315	-18.104	PASS			





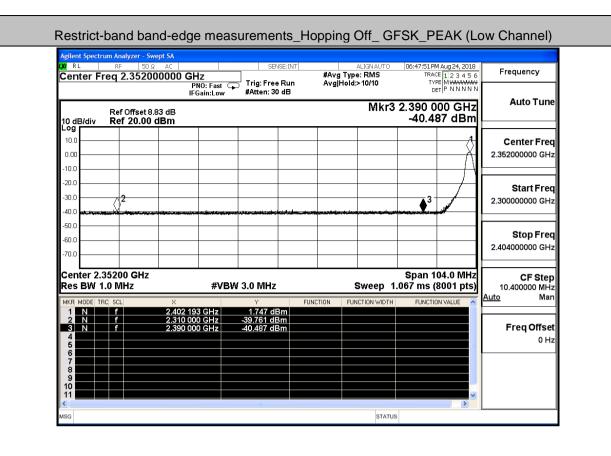




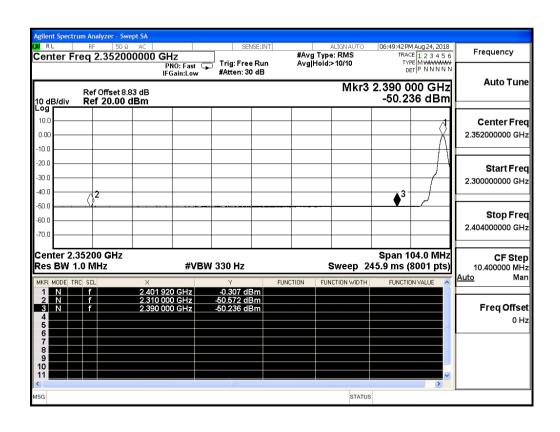


A.8 Restrict-band band-edge measurements

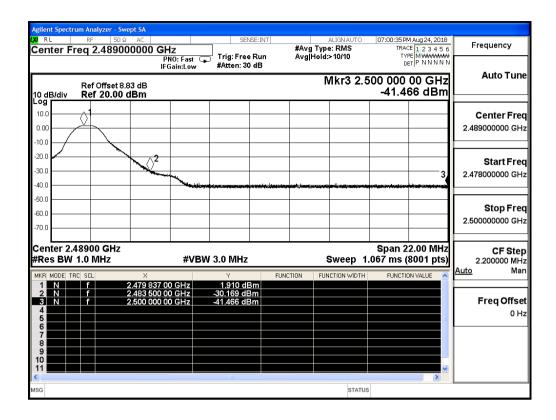
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-39.761	2.0	0	57.50	PEAK	74	PASS
	Off	2310.0	-50.572	2.0	0	46.69	AV	54	PASS
	Off	2390.0	-40.487	2.0	0	56.77	PEAK	74	PASS
	Off	2390.0	-50.236	2.0	0	47.02	AV	54	PASS
GFSK	Off	2483.5	-30.169	2.0	0	67.09	PEAK	74	PASS
	Off	2483.5	-48.577	2.0	0	48.68	AV	54	PASS
	Off	2500.0	-41.466	2.0	0	55.79	PEAK	74	PASS
	Off	2500.0	-50.121	2.0	0	47.14	AV	54	PASS
	Off	2310.0	-41.957	2.0	0	55.30	PEAK	74	PASS
	Off	2310.0	-50.519	2.0	0	46.74	AV	54	PASS
	Off	2390.0	-41.391	2.0	0	55.87	PEAK	74	PASS
	Off	2390.0	-50.233	2.0	0	47.03	AV	54	PASS
π/4DQPSK	Off	2483.5	-23.522	2.0	0	73.74	PEAK	74	PASS
	Off	2483.5	-48.054	2.0	0	49.21	AV	54	PASS
	Off	2500.0	-41.734	2.0	0	55.53	PEAK	74	PASS
	Off	2500.0	-50.019	2.0	0	47.24	AV	54	PASS
	Off	2310.0	-42.516	2.0	0	54.74	PEAK	74	PASS
	Off	2310.0	-50.565	2.0	0	46.70	AV	54	PASS
	Off	2390.0	-40.847	2.0	0	56.41	PEAK	74	PASS
	Off	2390.0	-50.189	2.0	0	47.07	AV	54	PASS
8DPSK	Off	2483.5	-23.687	2.0	0	73.57	PEAK	74	PASS
	Off	2483.5	-48.463	2.0	0	48.80	AV	54	PASS
	Off	2500.0	-41.935	2.0	0	55.33	PEAK	74	PASS
	Off	2500.0	-50.133	2.0	0	47.13	AV	54	PASS



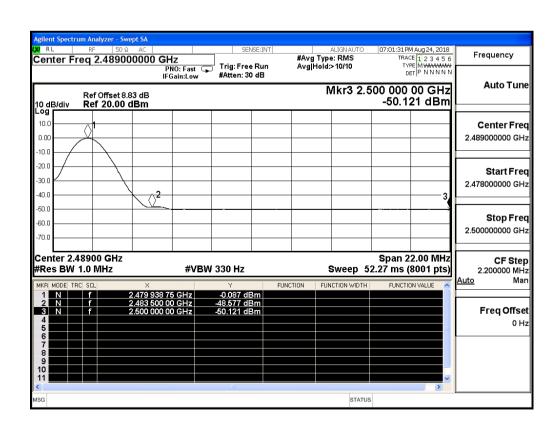
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



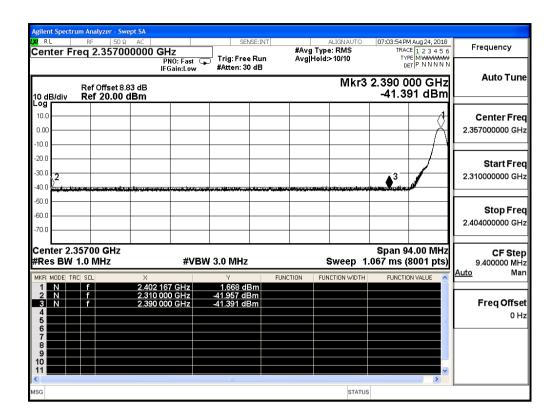
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



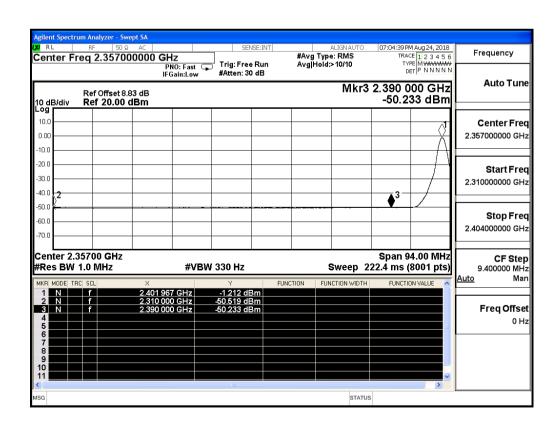
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



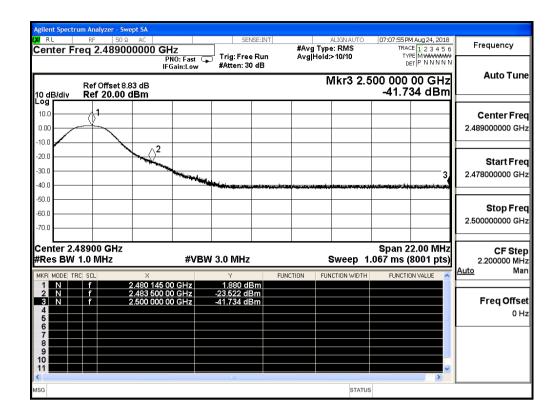
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



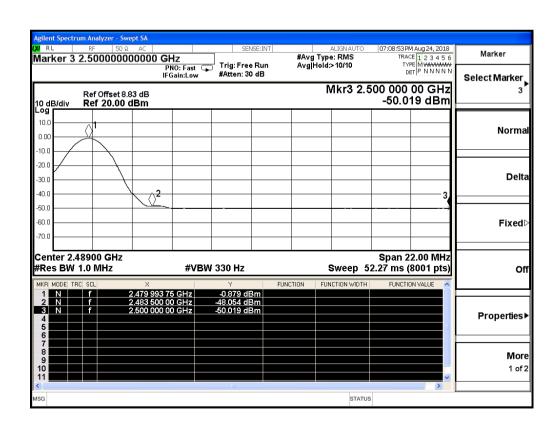
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



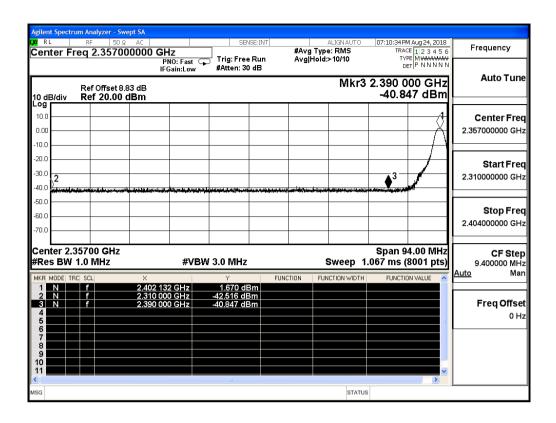
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



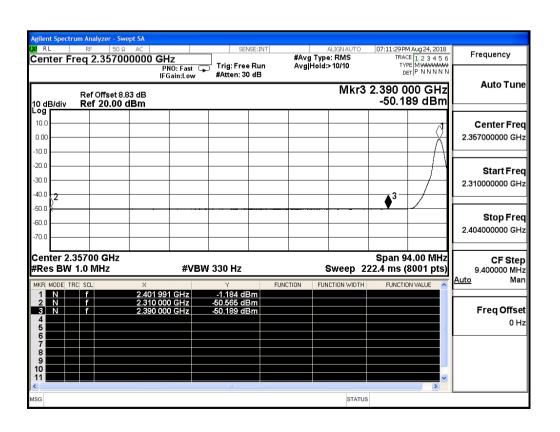
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)

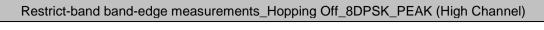


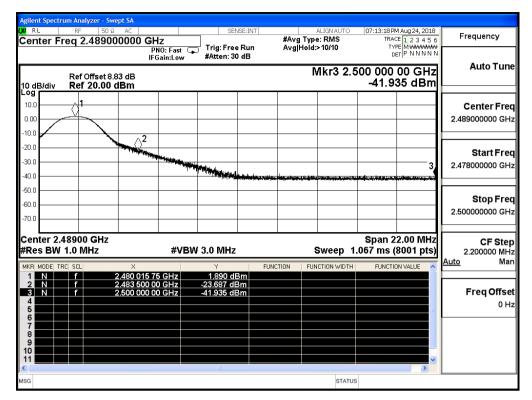
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)







Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

