Appendix A

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

Product Name: CDG/BLUETOOTH KARAOKE PLAYER

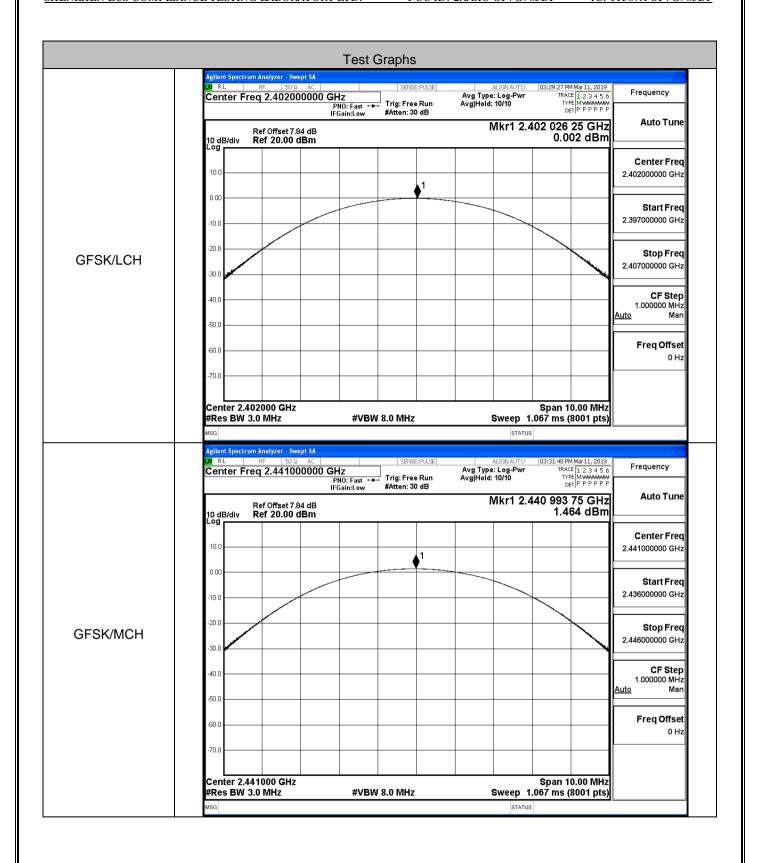
Trade Mark: singing machine Test Model: STVG785BT

Environmental Conditions

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Temperature:	23.2 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	LI HUAN
Supervised by:	Tom Liu

A.1 Maximum Conducted Peak Output Power

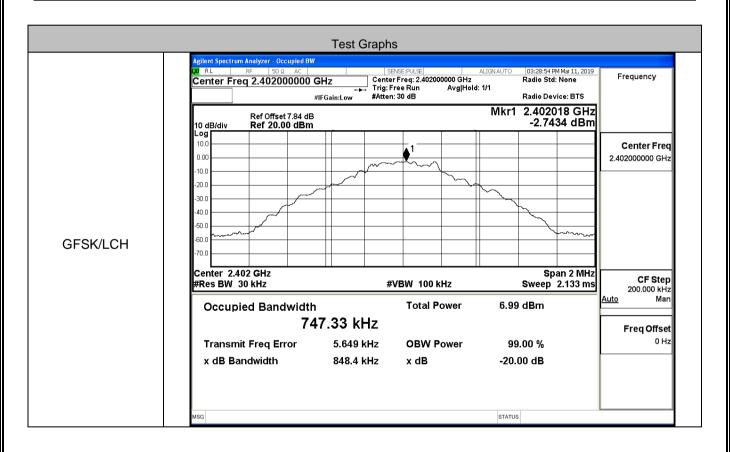
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.002	21	PASS
GFSK	MCH	1.464	21	PASS
	HCH 1.572		21	PASS
	LCH	-0.507	21	PASS
π/4DQPSK	MCH	0.652	21	PASS
	HCH	0.542	21	PASS
	LCH	-0.549	21	PASS
8DPSK	MCH	0.566	21	PASS
	HCH	0.621	21	PASS



STATUS

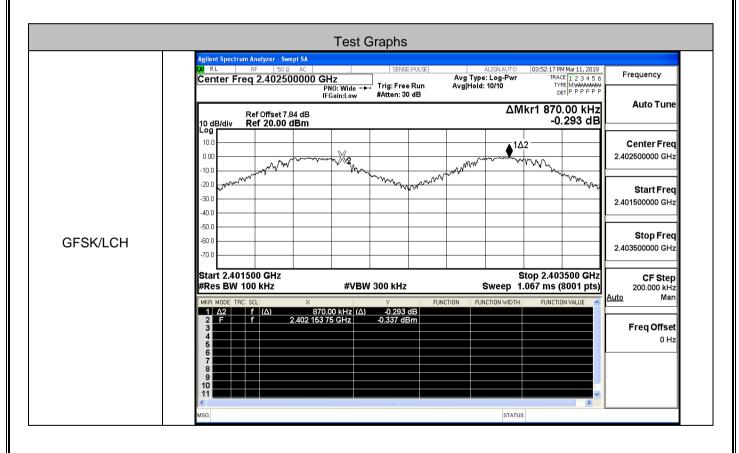
A.2 99% and 20dB Bandwidth

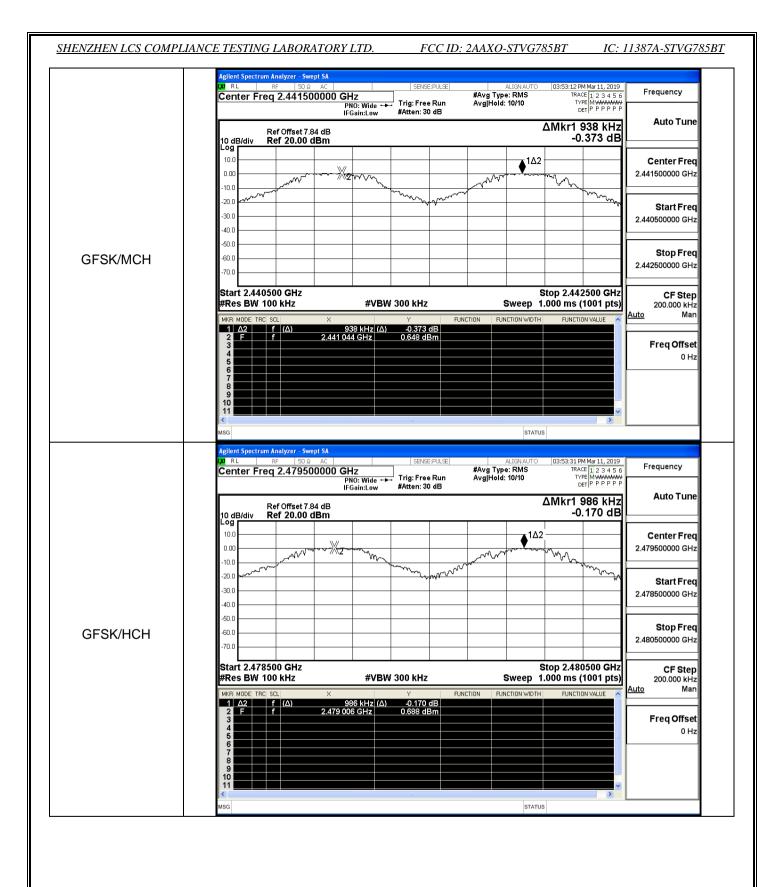
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.74733	0.8484	Not Specified	PASS
GFSK	MCH	0.75084	0.8613	Not Specified	PASS
	HCH	0.75838	0.8511	Not Specified	PASS
	LCH	1.1463	1.268	Not Specified	PASS
π/4DQPSK	MCH	1.1500	1.273	Not Specified	PASS
	HCH	1.1506	1.273	Not Specified	PASS
	LCH	1.1515	1.268	Not Specified	PASS
8DPSK	MCH	1.1528	1.268	Not Specified	PASS
	HCH	1.1563	1.269	Not Specified	PASS

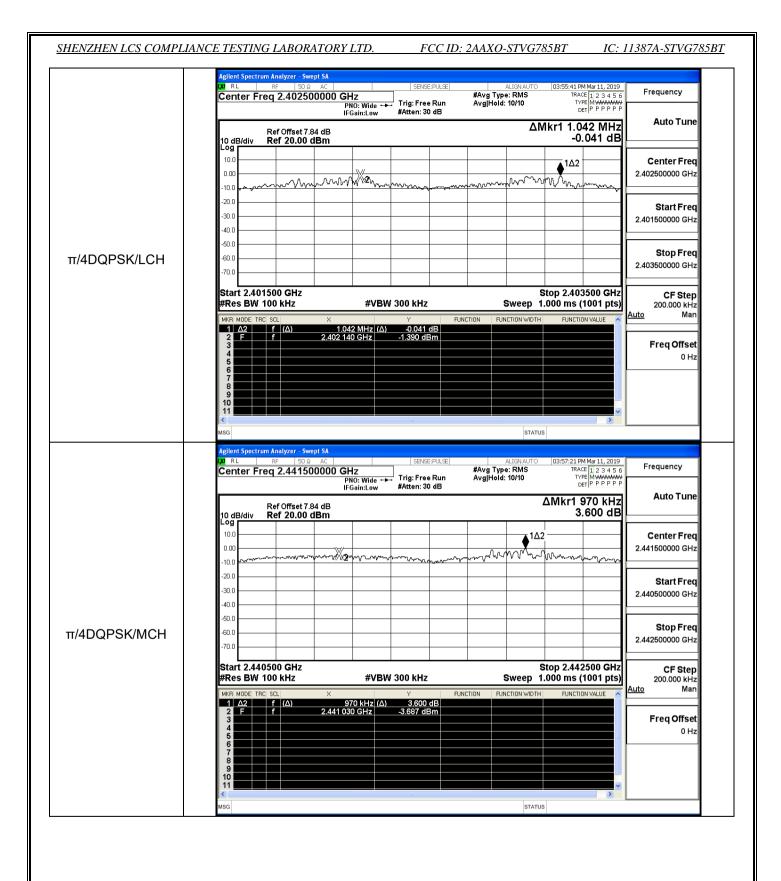


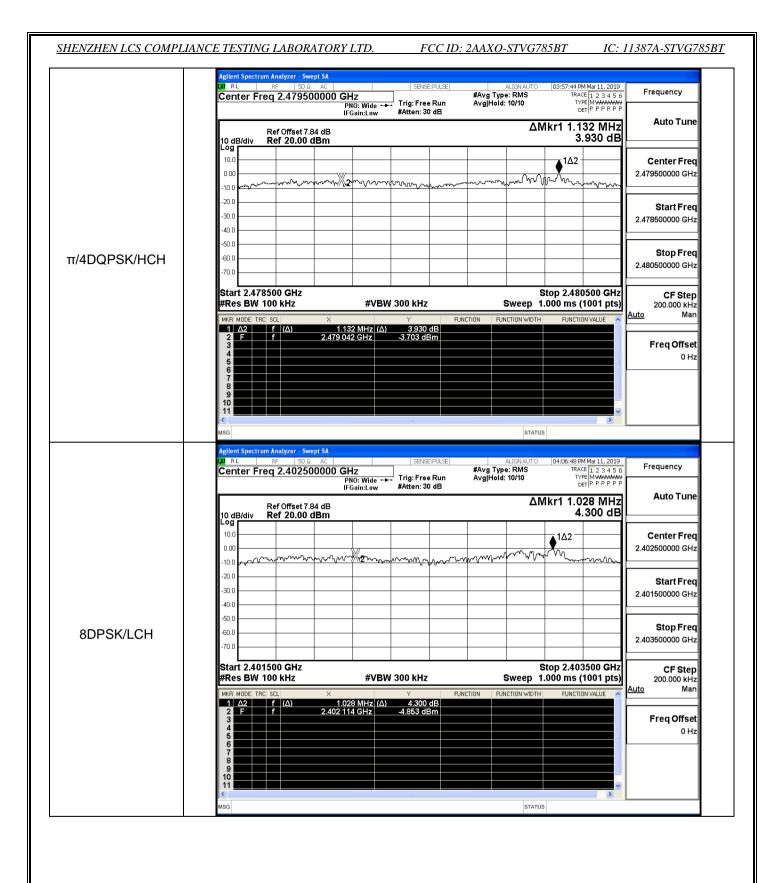
A.3 Carrier Frequency Separation

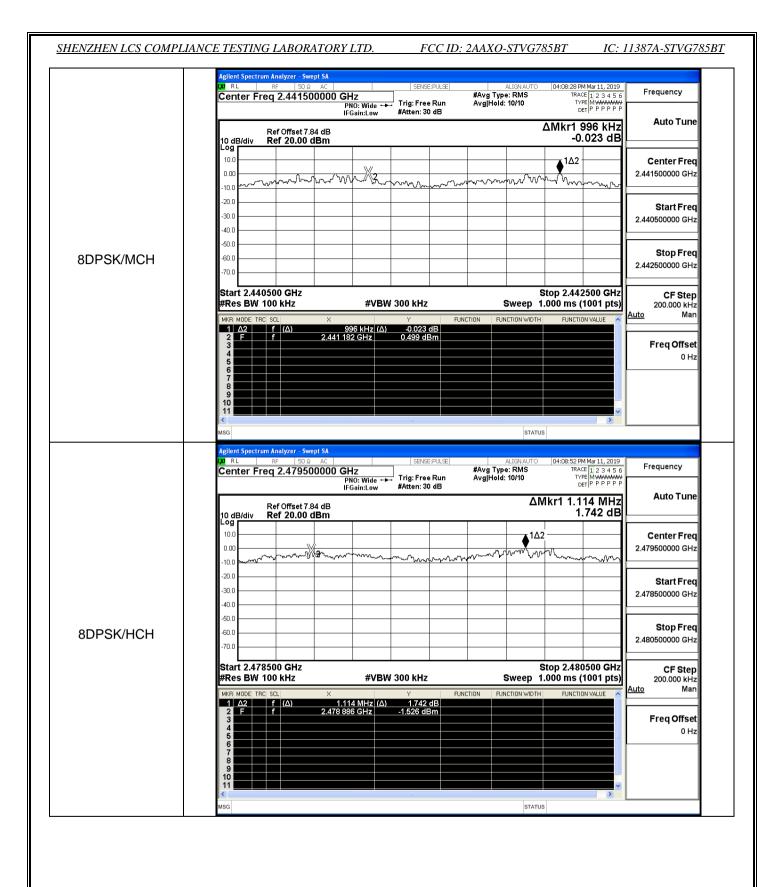
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.870	0.574	PASS
GFSK	MCH	0.938	0.574	PASS
	HCH	0.986	0.574	PASS
	LCH	1.042	0.849	PASS
π/4DQPSK	MCH	0.970	0.849	PASS
	HCH	1.132	0.849	PASS
	LCH	1.028	0.846	PASS
8DPSK	MCH	0.996	0.846	PASS
	HCH	1.114	0.846	PASS





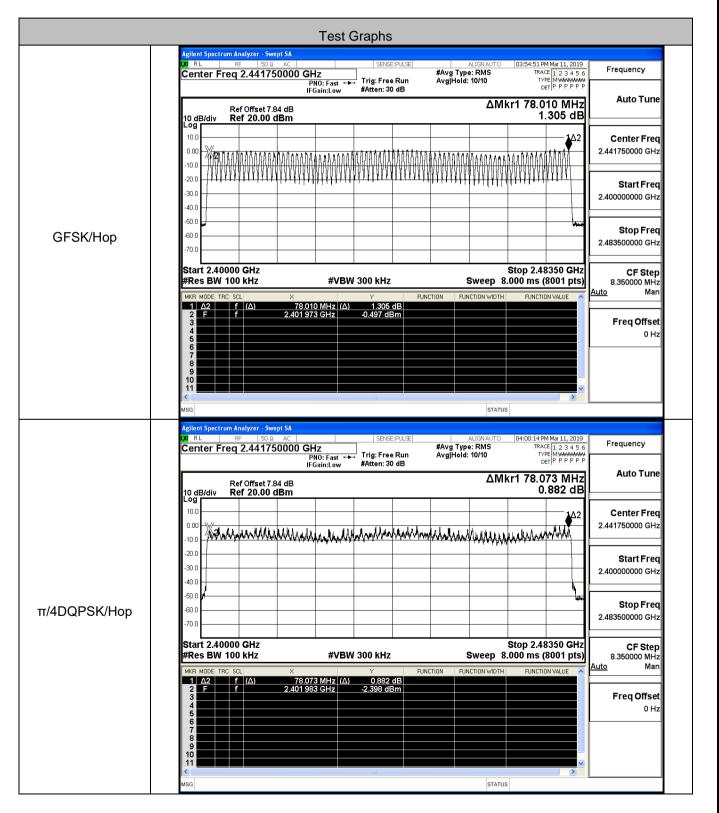






A.4 Hopping Channel Number

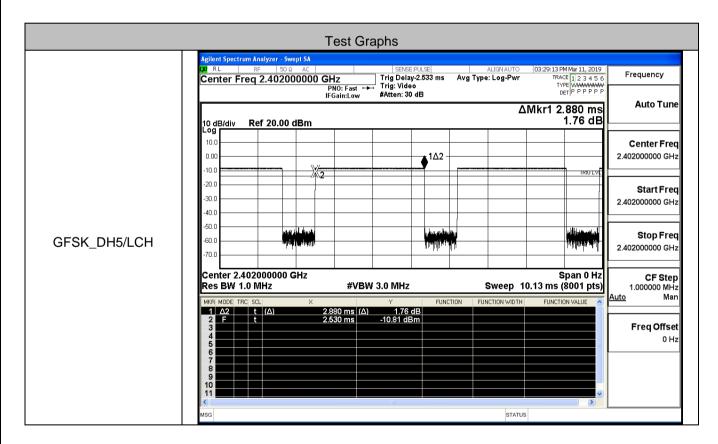
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS



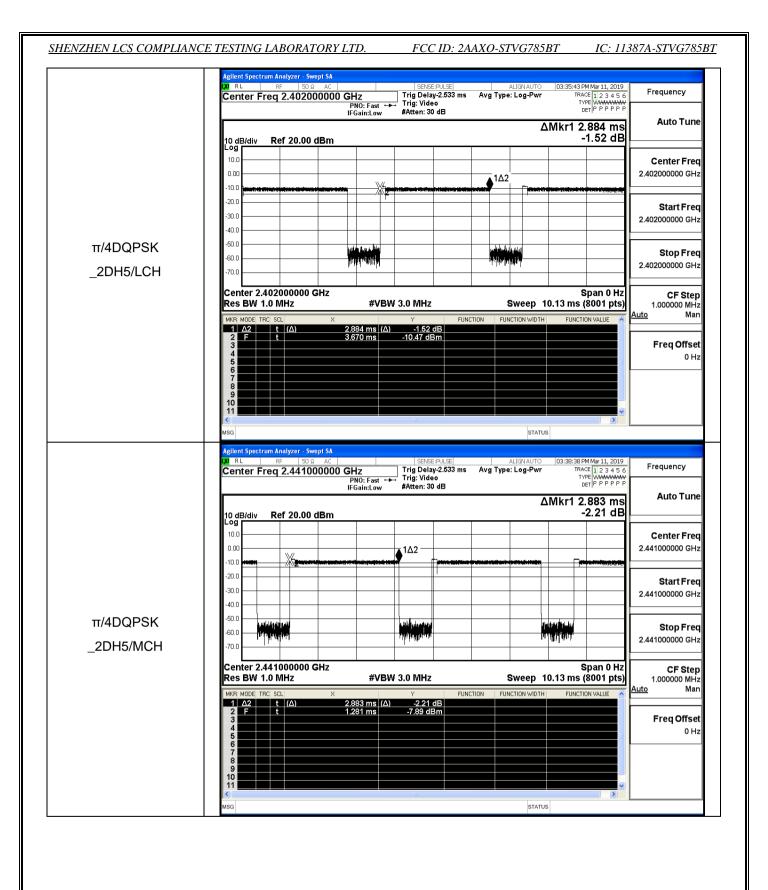
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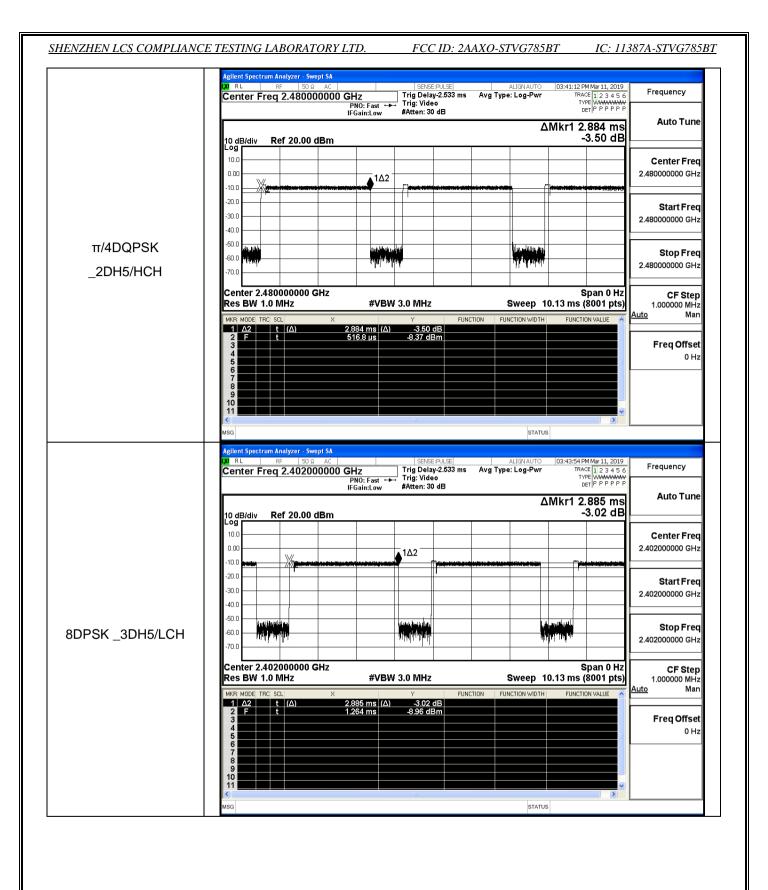
A.5 Dwell Time

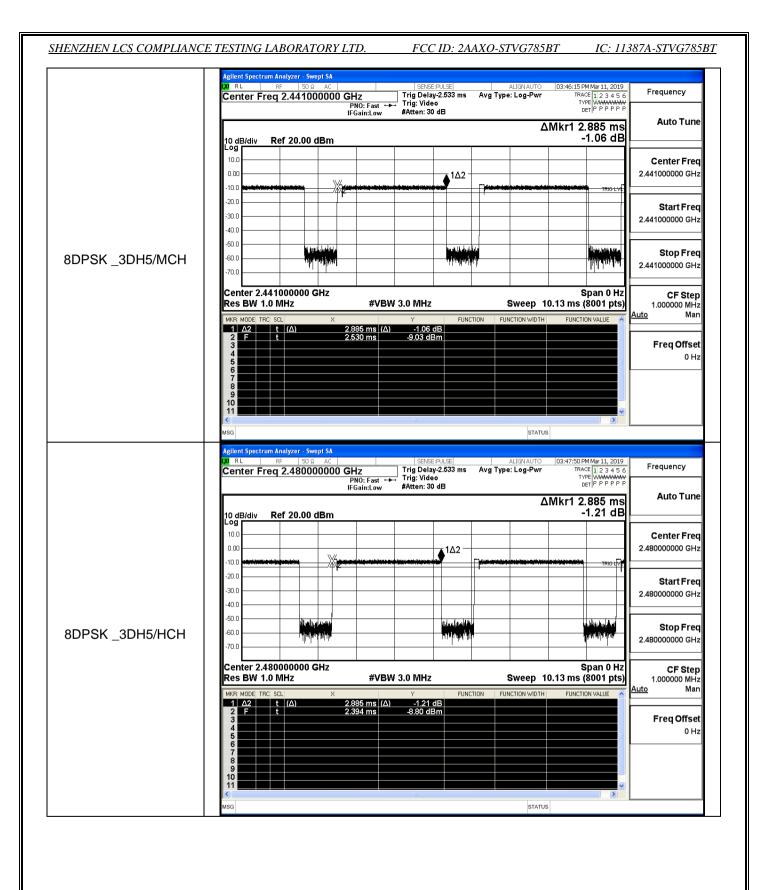
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	GFSK DH5 MCH		2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	HCH	2.89	106.7	0.308	0.4	PASS





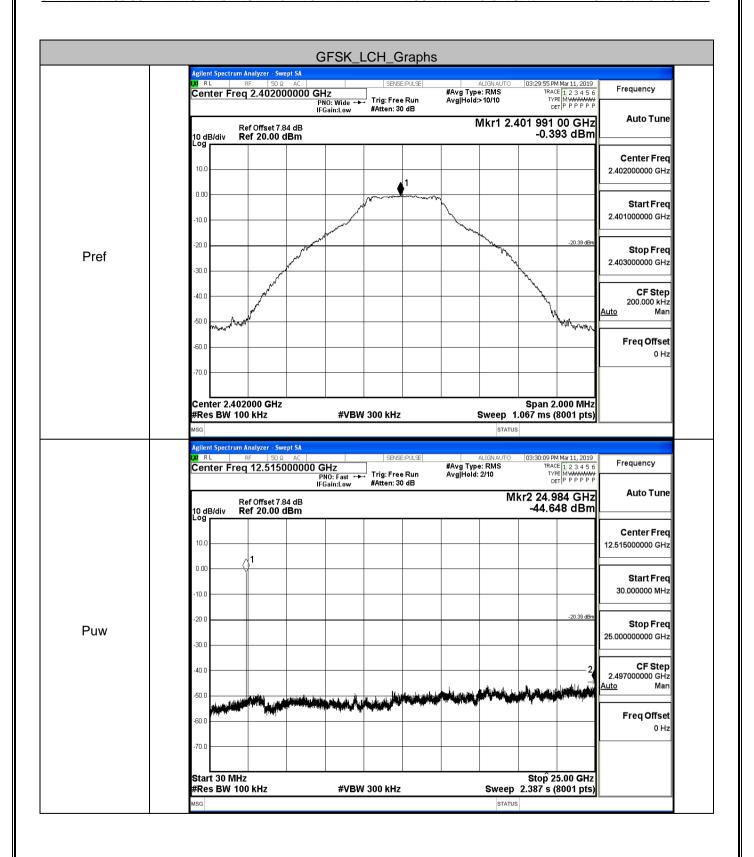


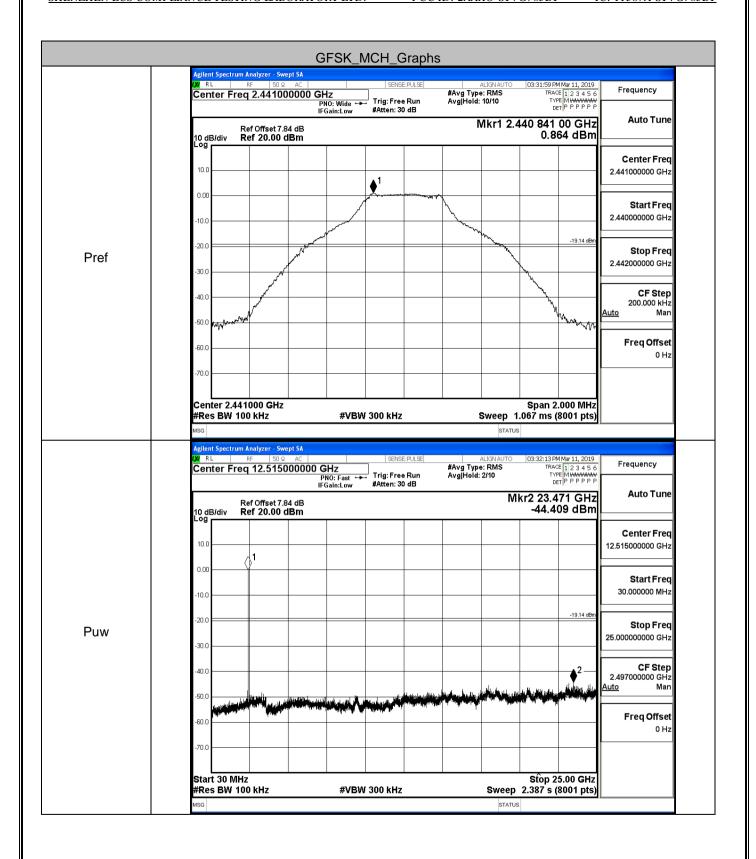


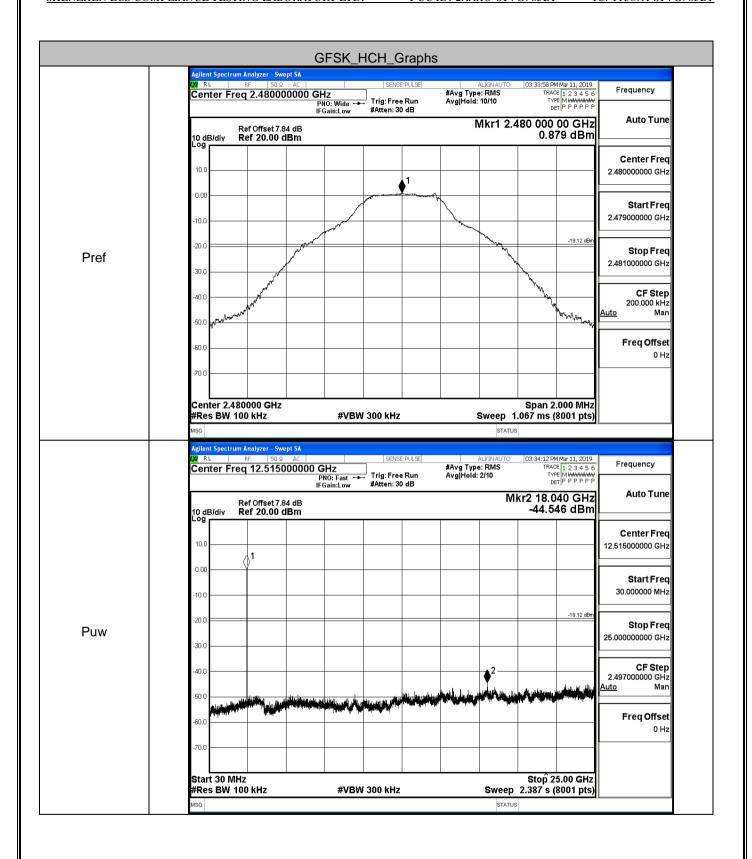


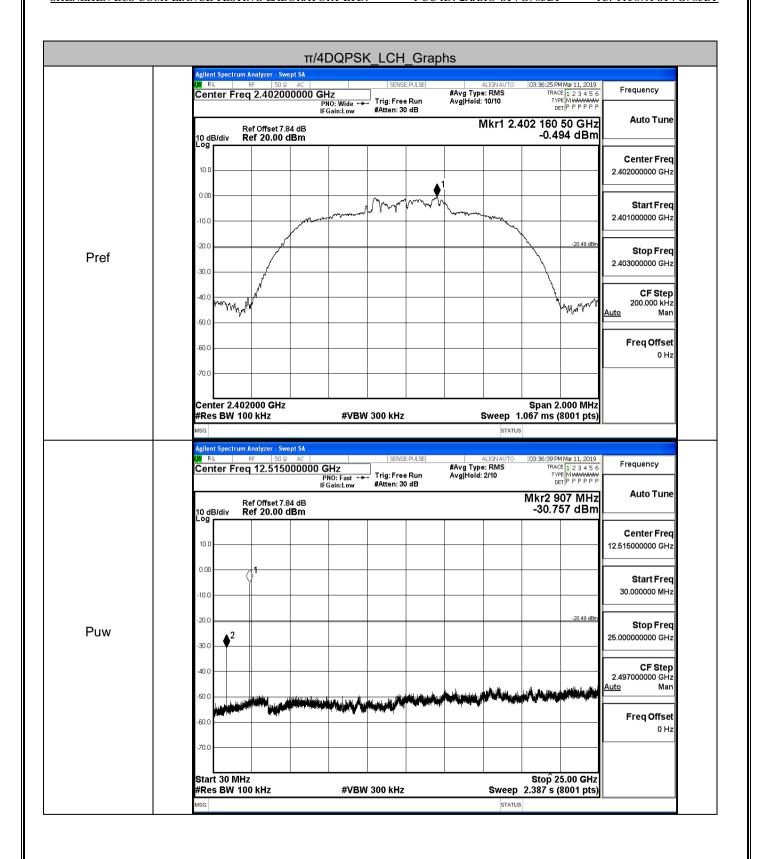
A.6 RF Conducted Spurious Emissions

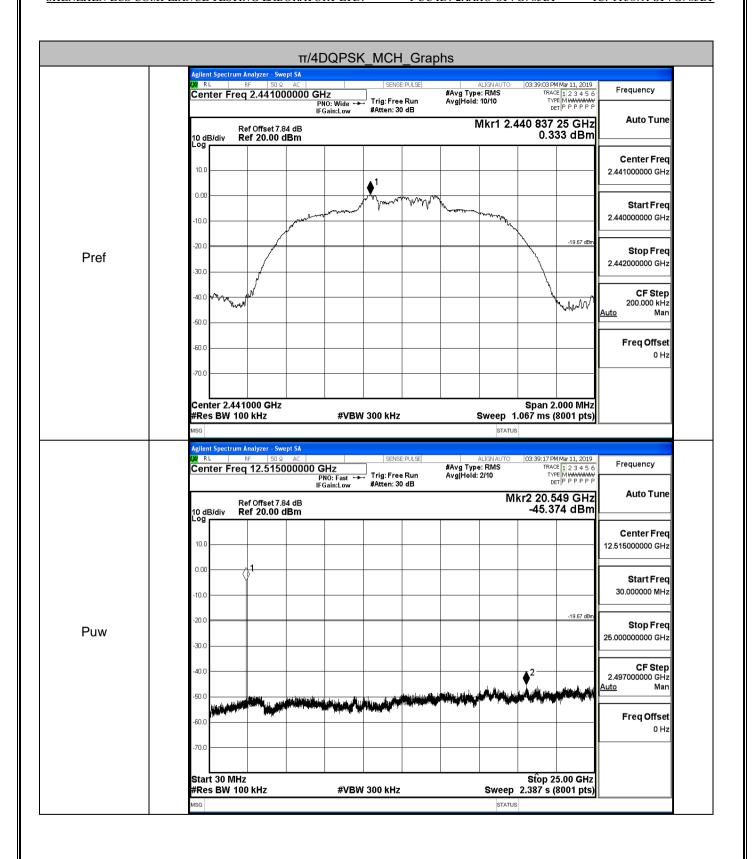
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.393	-44.648	-20.393	PASS
GFSK	MCH	0.864	-44.409	-19.136	PASS
	НСН	0.879	-44.546	-19.121	PASS
	LCH	-0.494	-30.757	-20.494	PASS
π/4DQPSK	MCH	0.333	-45.374	-19.667	PASS
	HCH	0.181	-45.157	-19.819	PASS
8DPSK	LCH	-0.858	-44.803	-20.858	PASS
	MCH	0.169	-45.456	-19.831	PASS
	HCH	0.053	-45.443	-19.947	PASS

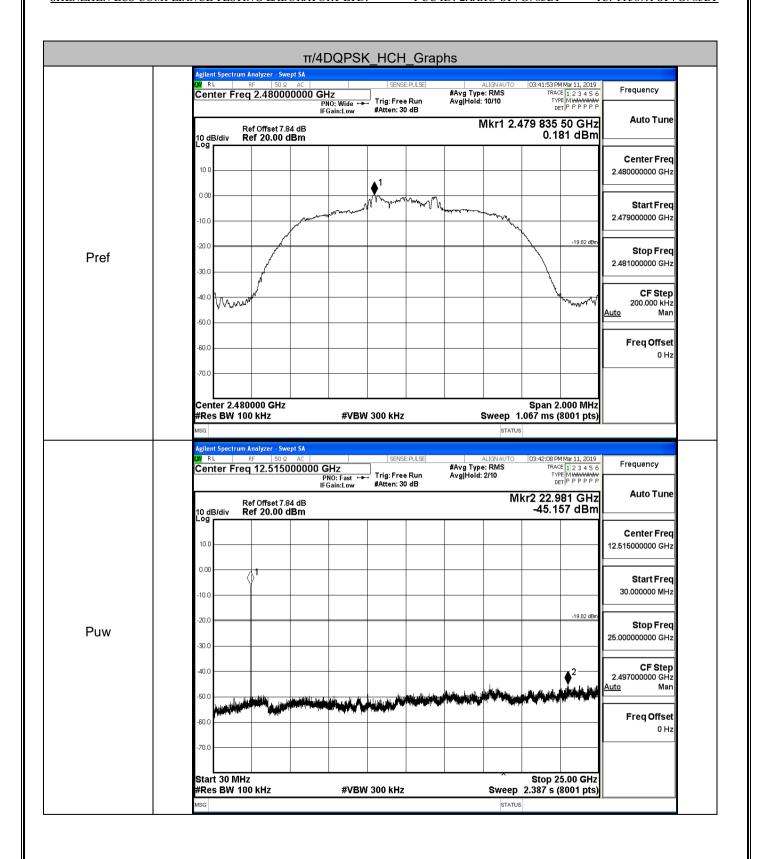


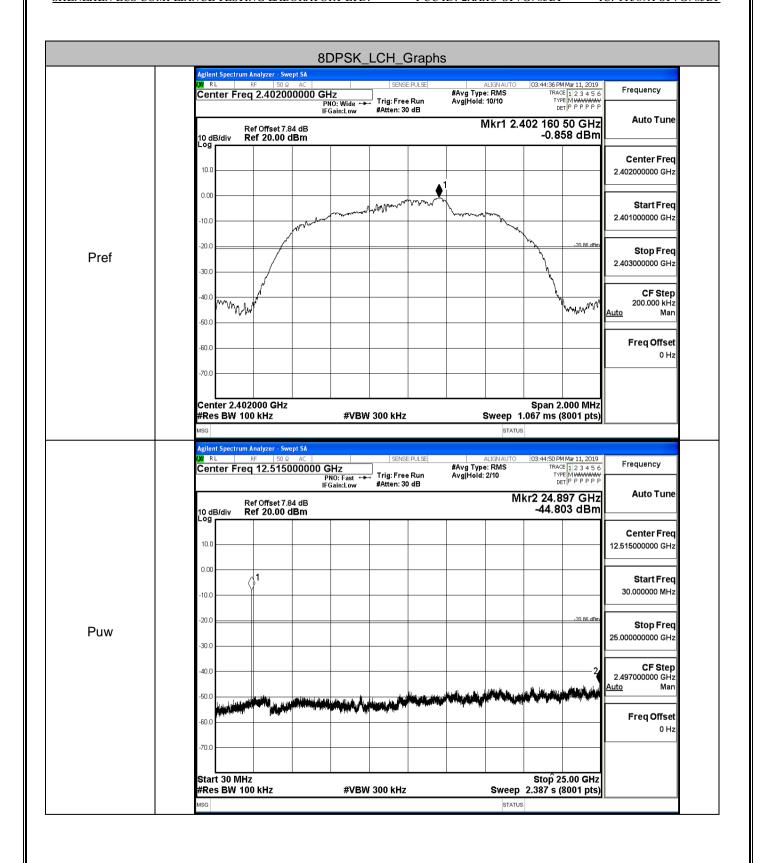


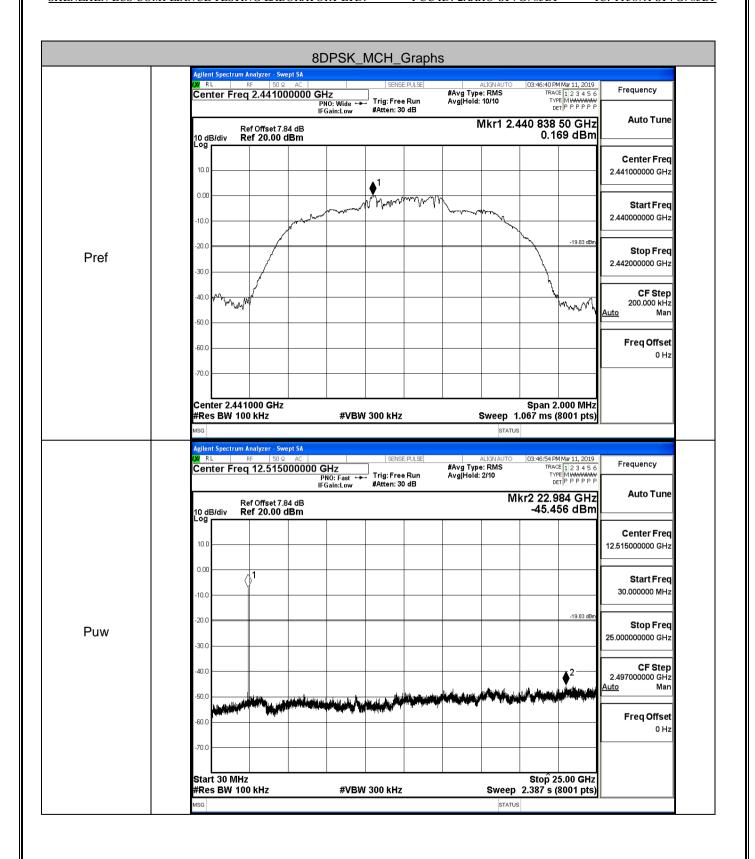


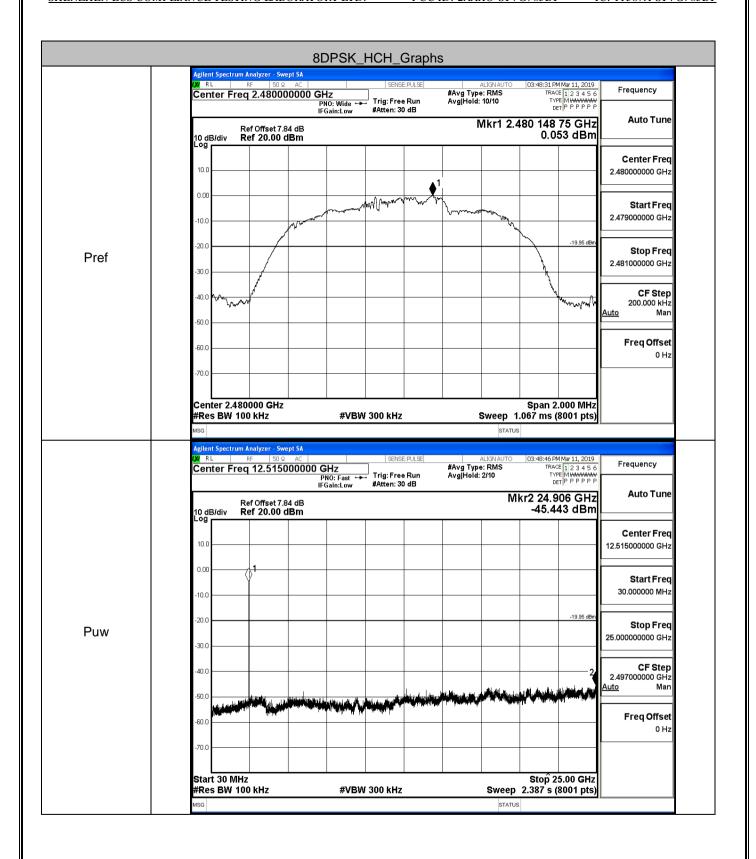






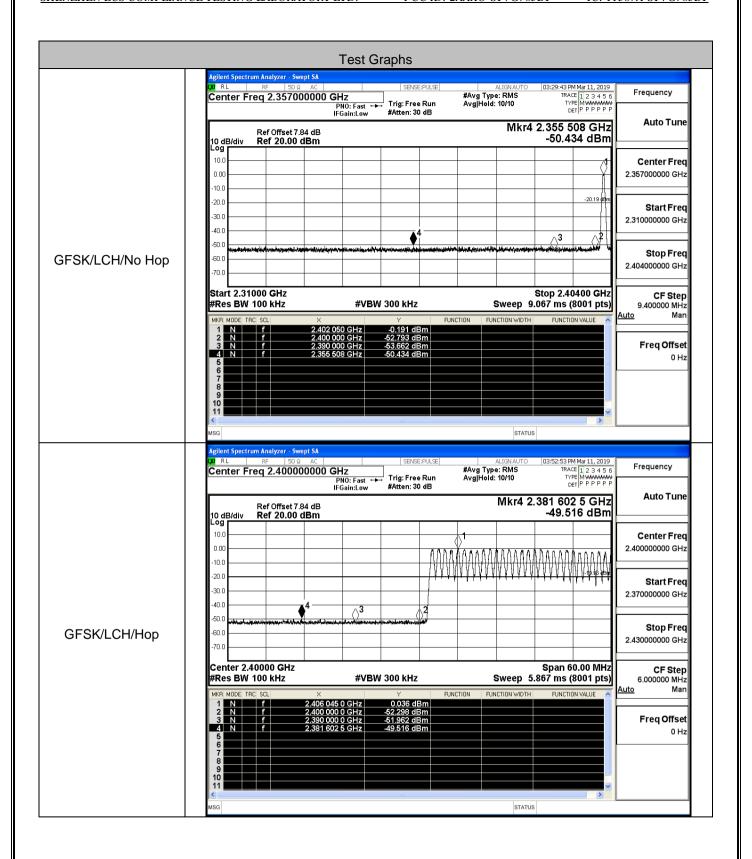


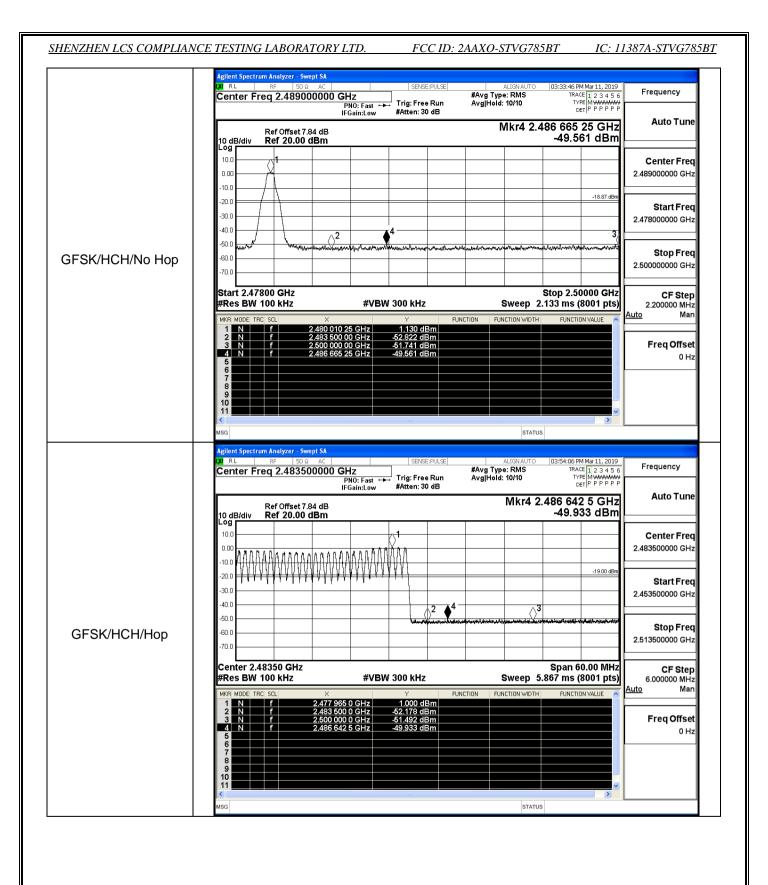


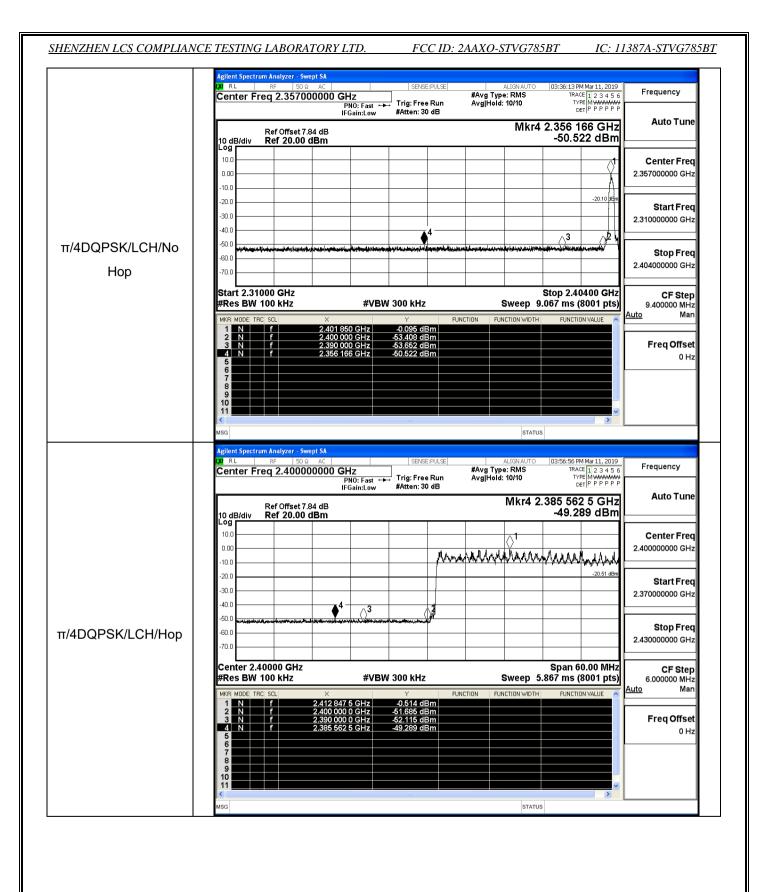


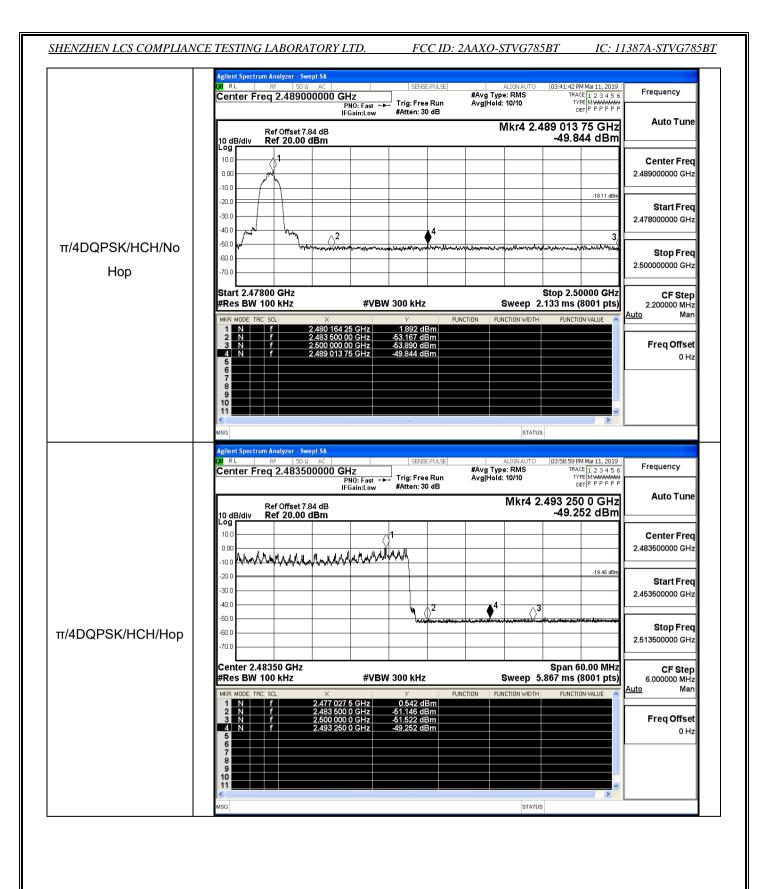
A.7 Band-edge for RF Conducted Emissions

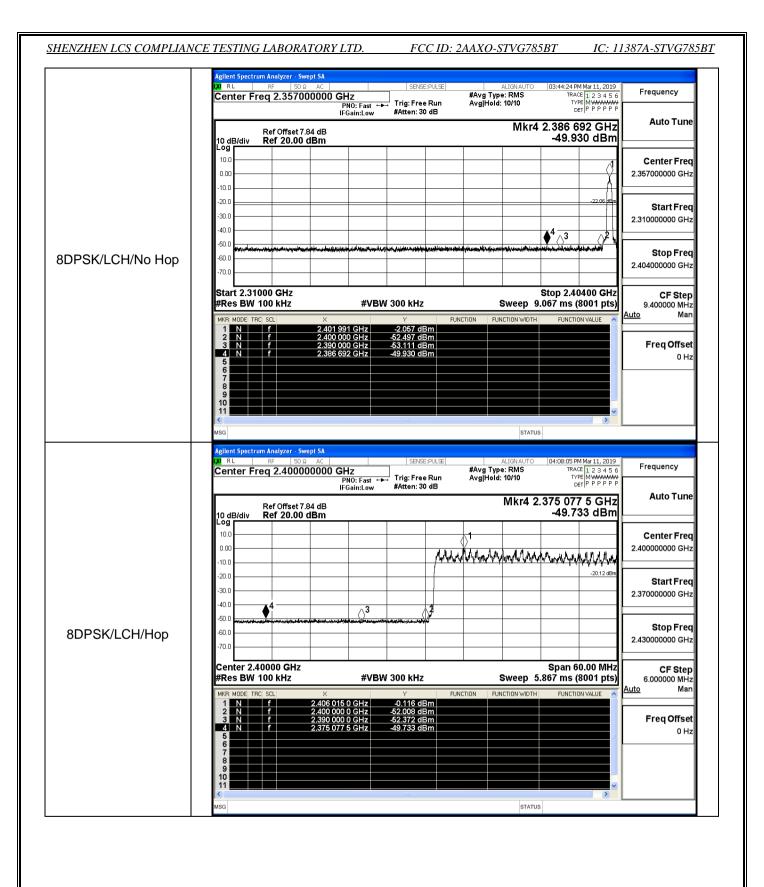
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
			-0.191	Off	-50.434	-20.19	PASS
2-21/	LCH	2402	0.036	On	-49.516	-19.96	PASS
GFSK	нсн		1.130	Off	-49.561	-18.87	PASS
		2480	1.000	On	-49.933	-19	PASS
	LCH		-0.095	Off	-50.522	-20.1	PASS
		2402	-0.514	On	-49.289	-20.51	PASS
π/4DQPSK	НСН	H 2480	1.892	Off	-49.844	-18.11	PASS
			0.542	On	-49.252	-19.46	PASS
		LCH 2402	-2.057	Off	-49.930	-22.06	PASS
8DPSK	LCH		-0.116	On	-49.733	-20.12	PASS
			0.295	Off	-50.916	-19.71	PASS
	HCH	2480	0.628	On	-48.982	-19.37	PASS

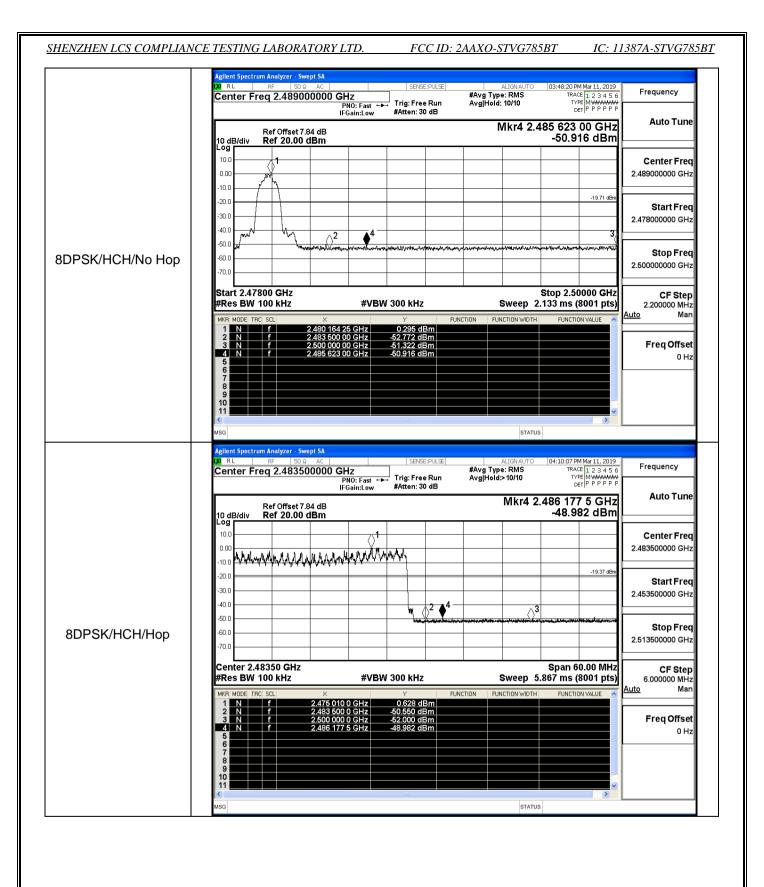






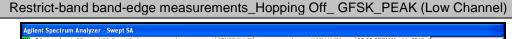


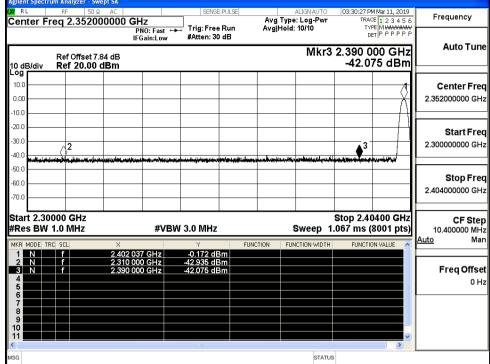




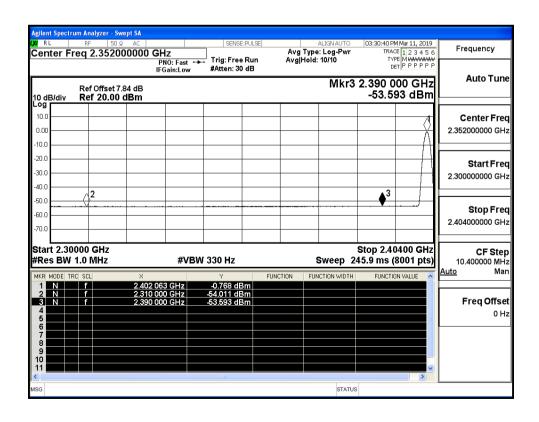
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-42.94	2.0	0	54.32	PEAK	74	PASS
	Off	2310.0	-54.01	2.0	0	43.25	AV	54	PASS
	Off	2390.0	-42.08	2.0	0	55.18	PEAK	74	PASS
	Off	2390.0	-53.59	2.0	0	43.66	AV	54	PASS
GFSK	Off	2483.5	-43.31	2.0	0	53.95	PEAK	74	PASS
	Off	2483.5	-53.26	2.0	0	44.00	AV	54	PASS
	Off	2500.0	-42.94	2.0	0	54.31	PEAK	74	PASS
	Off	2500.0	-53.20	2.0	0	44.06	AV	54	PASS
	Off	2310.0	-41.93	2.0	0	55.32	PEAK	74	PASS
	Off	2310.0	-53.86	2.0	0	43.39	AV	54	PASS
	Off	2390.0	-44.52	2.0	0	52.74	PEAK	74	PASS
	Off	2390.0	-53.67	2.0	0	43.59	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.76	2.0	0	54.50	PEAK	74	PASS
	Off	2483.5	-53.30	2.0	0	43.96	AV	54	PASS
	Off	2500.0	-42.62	2.0	0	54.63	PEAK	74	PASS
	Off	2500.0	-53.35	2.0	0	43.91	AV	54	PASS
	Off	2310.0	-41.49	2.0	0	55.77	PEAK	74	PASS
	Off	2310.0	-53.84	2.0	0	43.42	AV	54	PASS
	Off	2390.0	-42.94	2.0	0	54.32	PEAK	74	PASS
	Off	2390.0	-53.64	2.0	0	43.61	AV	54	PASS
8DPSK	Off	2483.5	-42.70	2.0	0	54.56	PEAK	74	PASS
	Off	2483.5	-53.31	2.0	0	43.95	AV	54	PASS
	Off	2500.0	-42.05	2.0	0	55.21	PEAK	74	PASS
	Off	2500.0	-53.28	2.0	0	43.97	AV	54	PASS



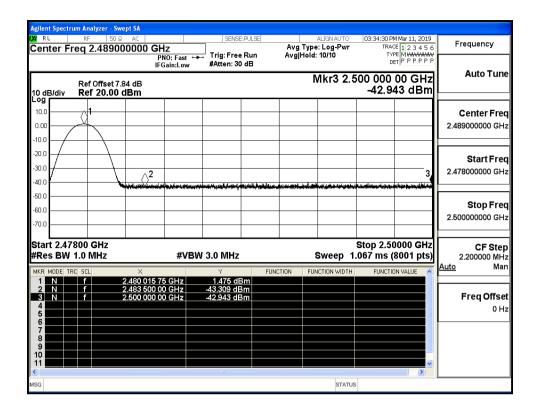


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

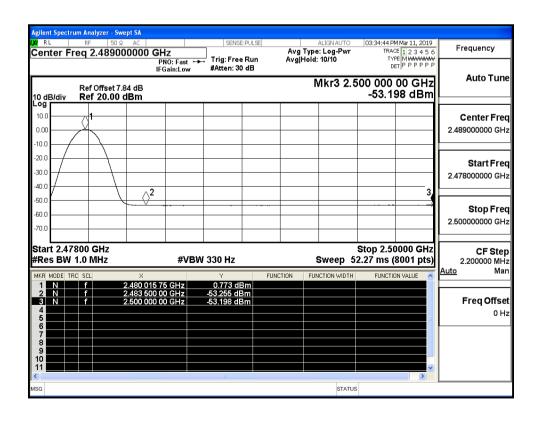


FCC ID: 2AAXO-STVG785BT

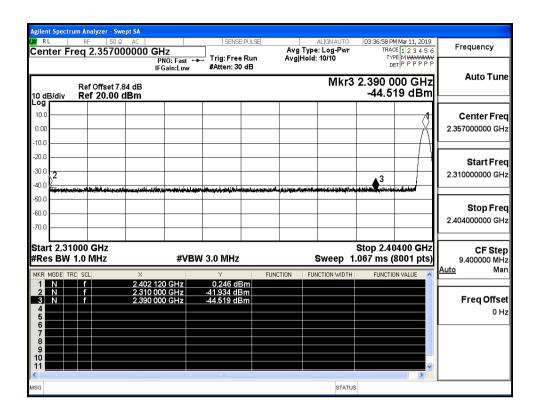
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



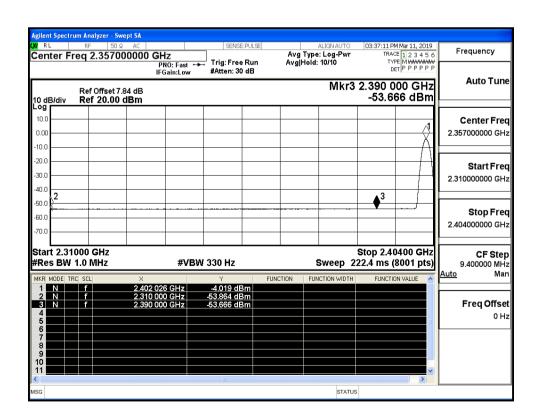
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



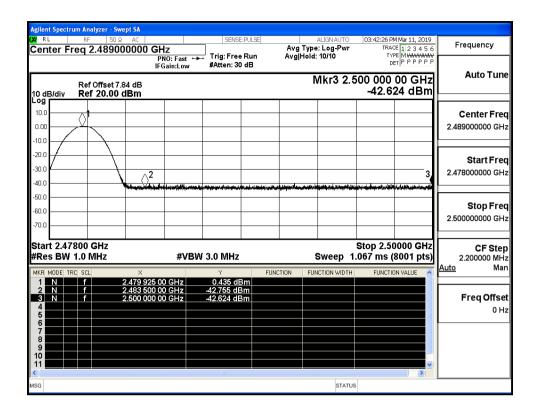
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



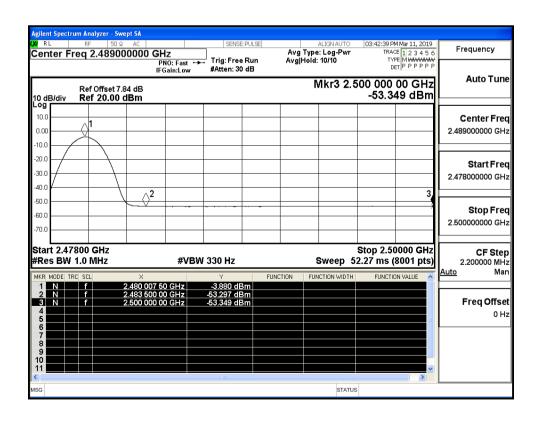
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



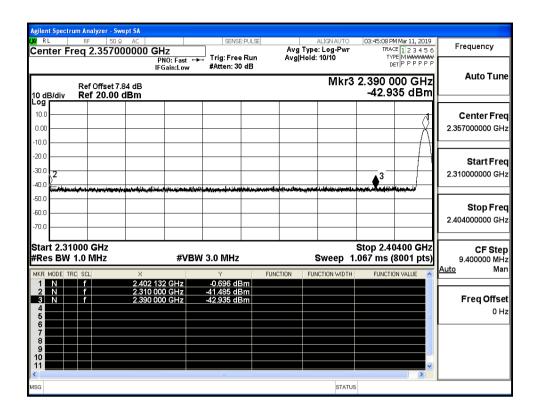
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



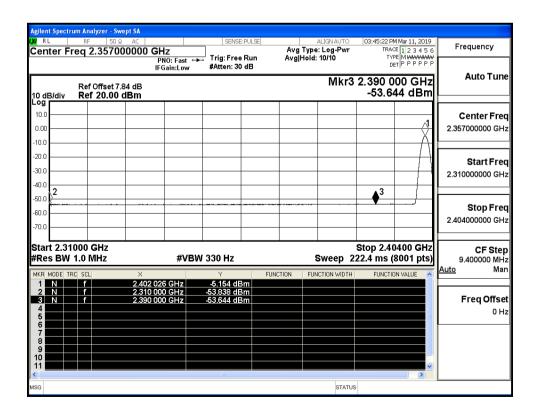
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)

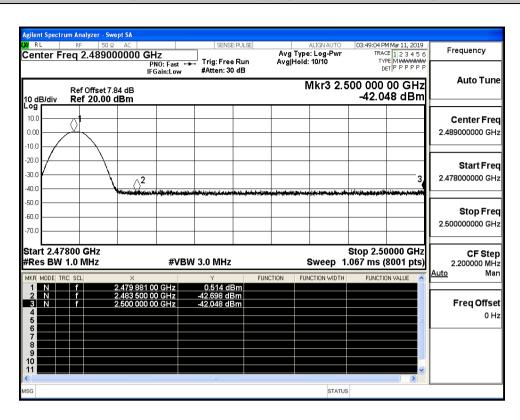


Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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





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

