Appendix A

RF Test Data for BT V4.2(DSS) (Conducted Measurement)

Product Name: WIRELESS HEADPHONE

W PreSonus

Trade Mark:

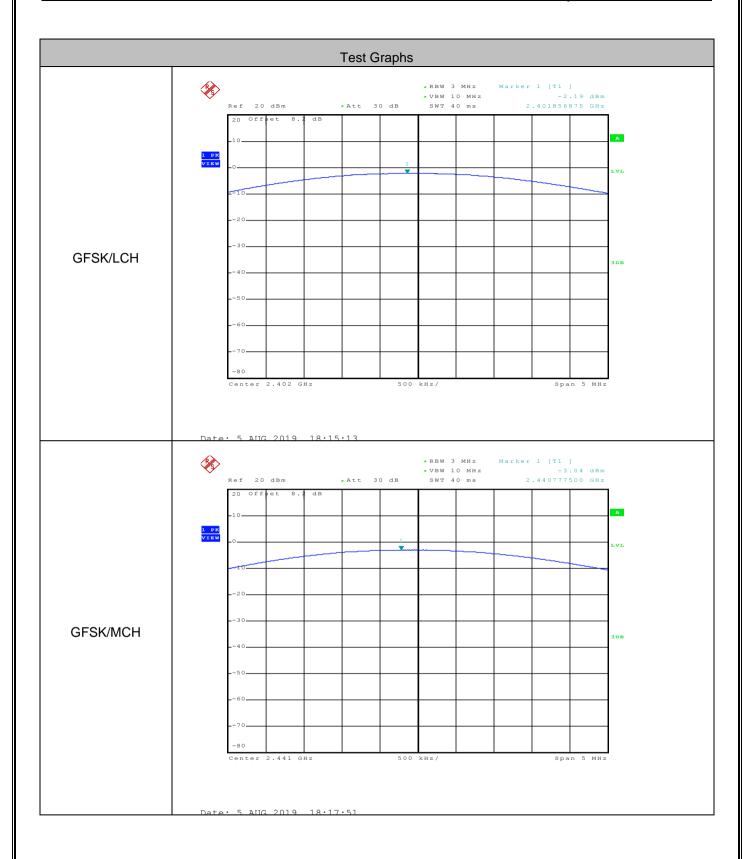
Test Model: HD10BT

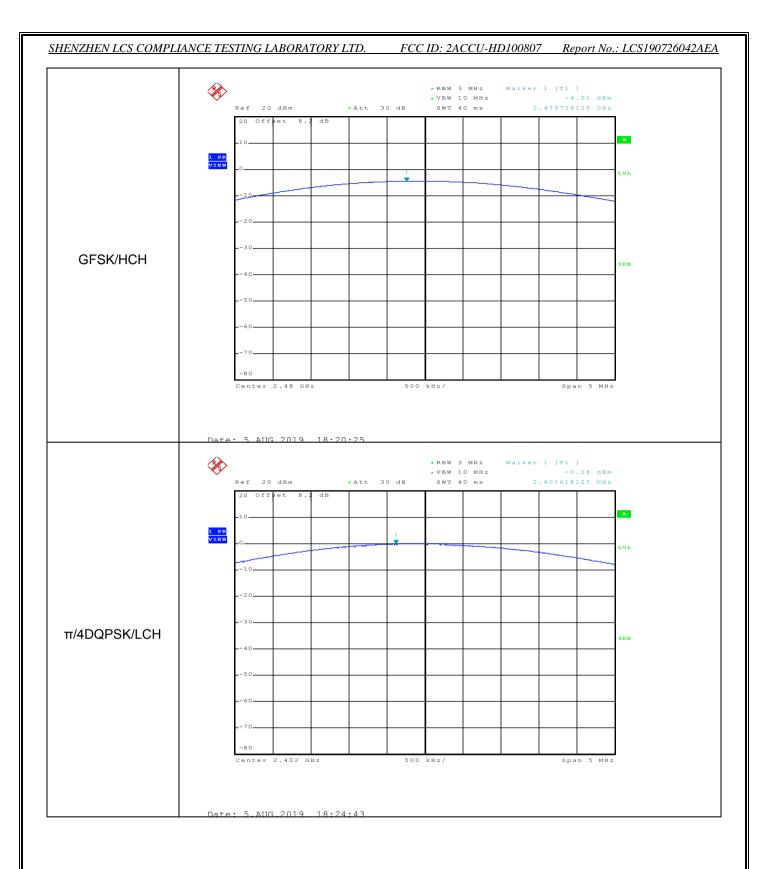
Environmental Conditions

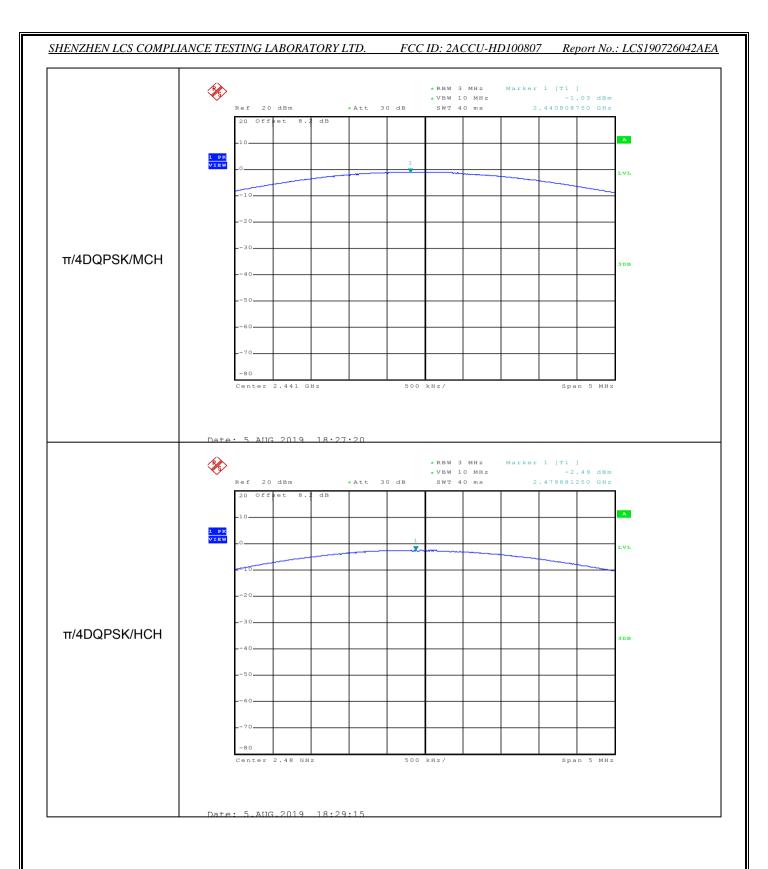
Temperature:	25.2 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Zeng
Supervised by:	Wang Chuang

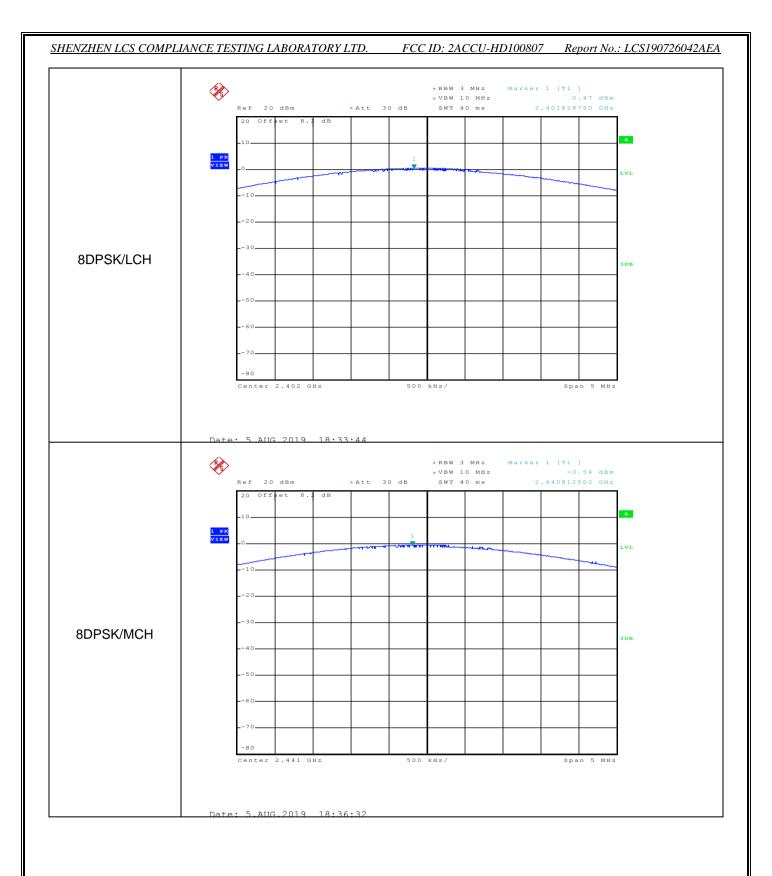
A.1 Maxmum Conducted Peak Output Power

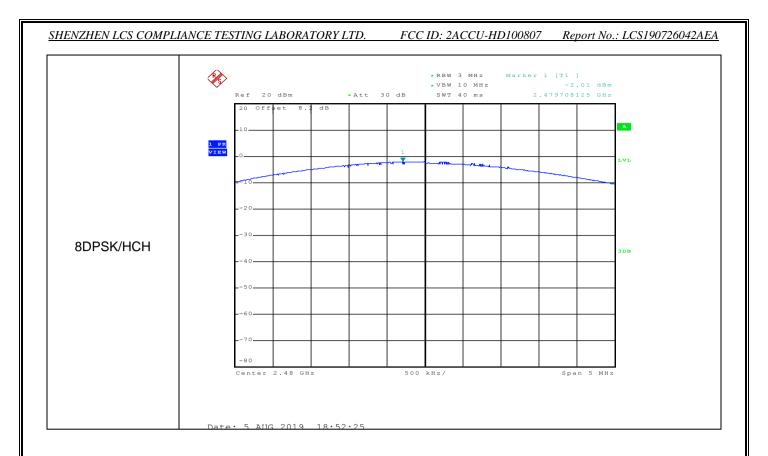
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-2.190	30	PASS
GFSK	MCH	-3.040	30	PASS
	НСН	-4.510	30	PASS
π/4DQPSK	LCH	-0.080	21	PASS
	MCH	-1.030	21	PASS
	НСН	-2.490	21	PASS
8DPSK	LCH	0.470	21	PASS
	MCH	-0.540	21	PASS
	HCH	-2.010	21	PASS





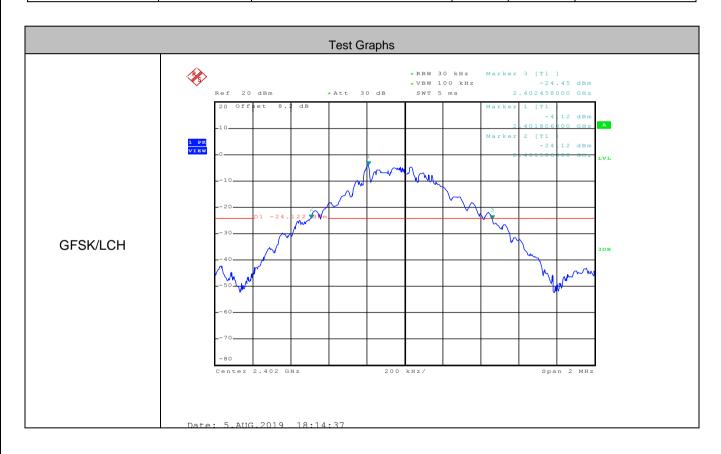


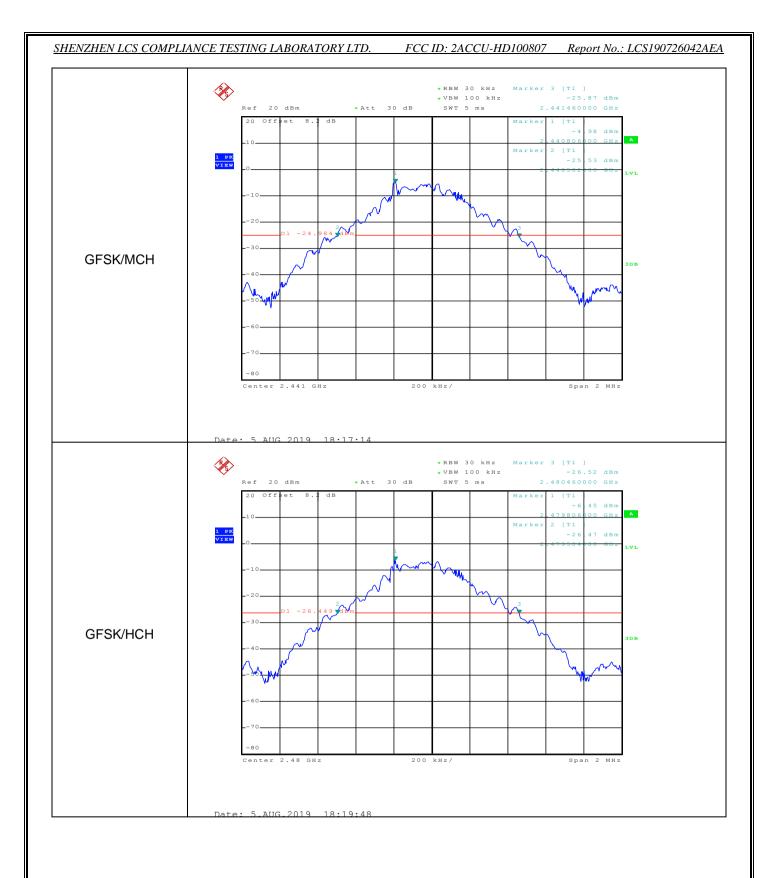


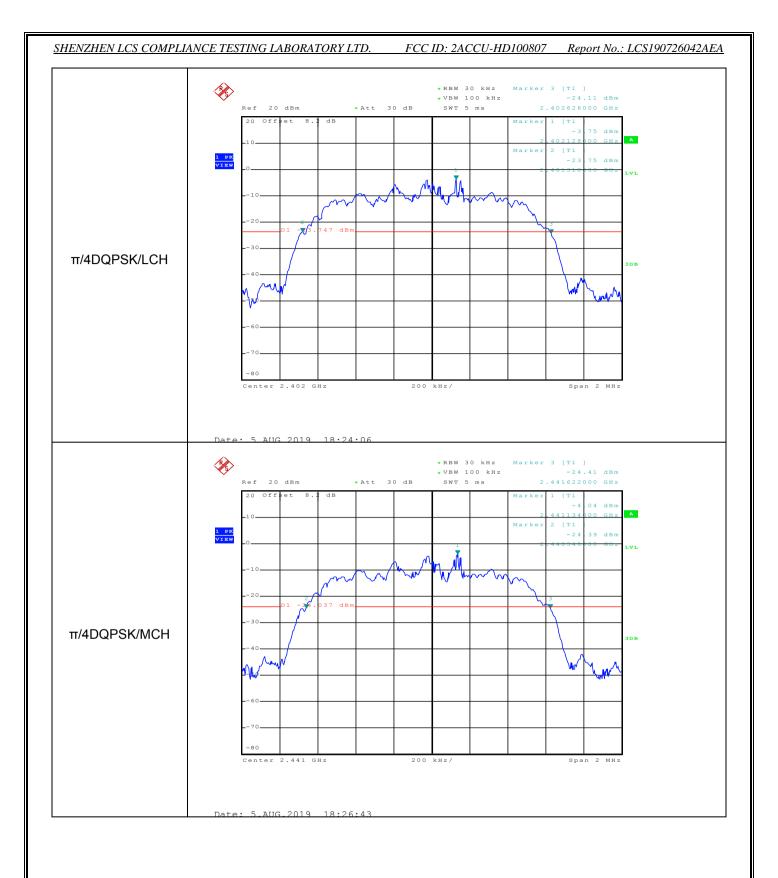


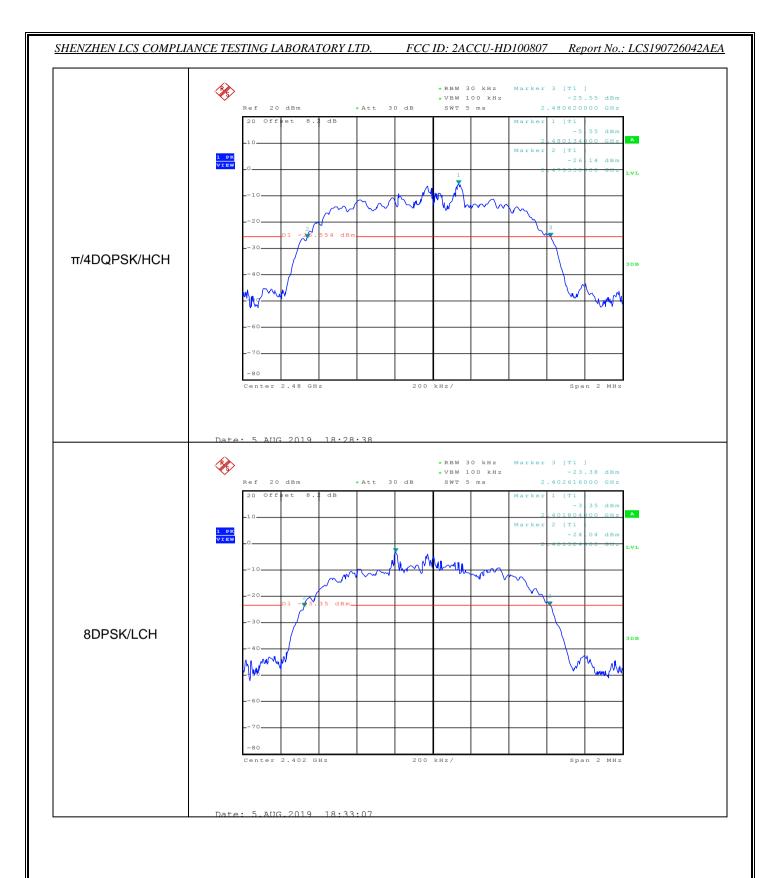
A.2 20dB Bandwidth

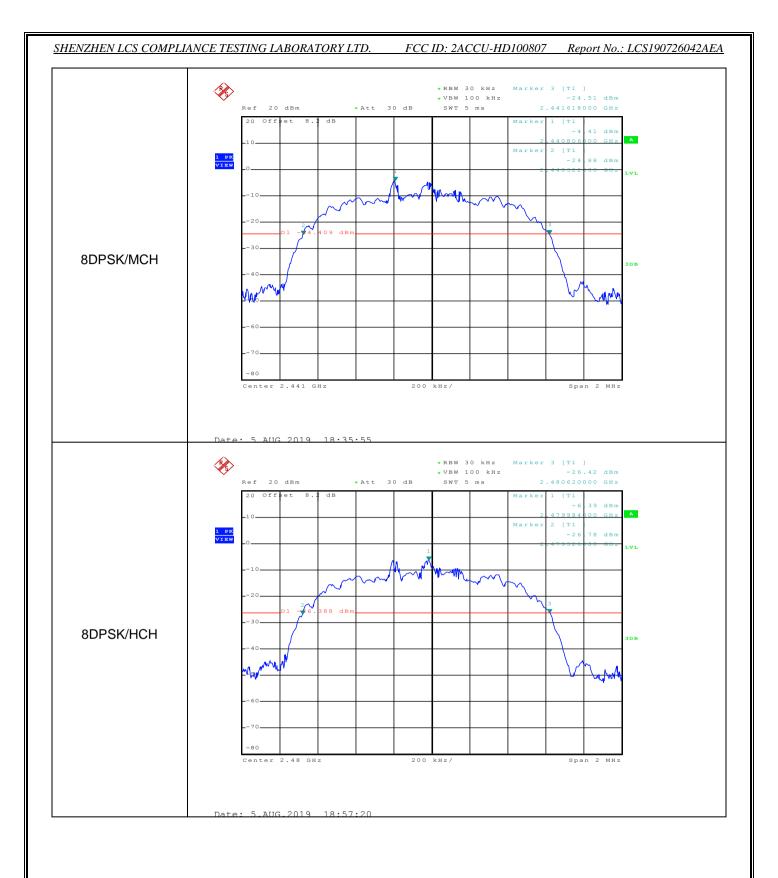
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.952	Not Specified	PASS
GFSK	MCH	0.958	Not Specified	PASS
	HCH	0.956	Not Specified	PASS
	LCH	1.308	Not Specified	PASS
π/4DQPSK	MCH	1.282	Not Specified	PASS
	НСН	1.282	Not Specified	PASS
	LCH	1.292	Not Specified	PASS
8DPSK	MCH	1.296	Not Specified	PASS
	HCH	1.300	Not Specified	PASS





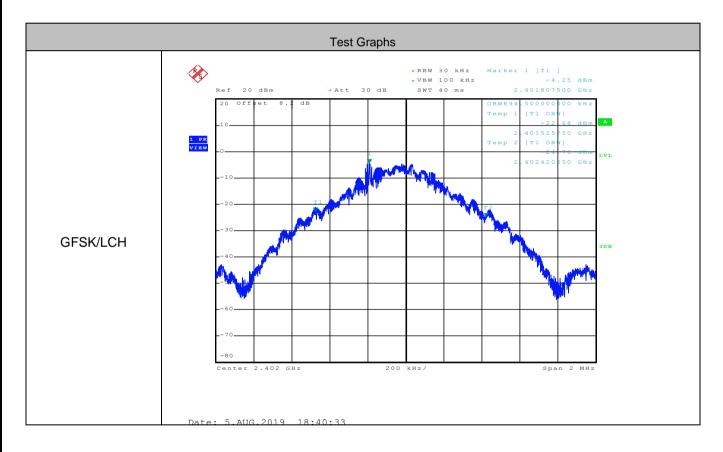


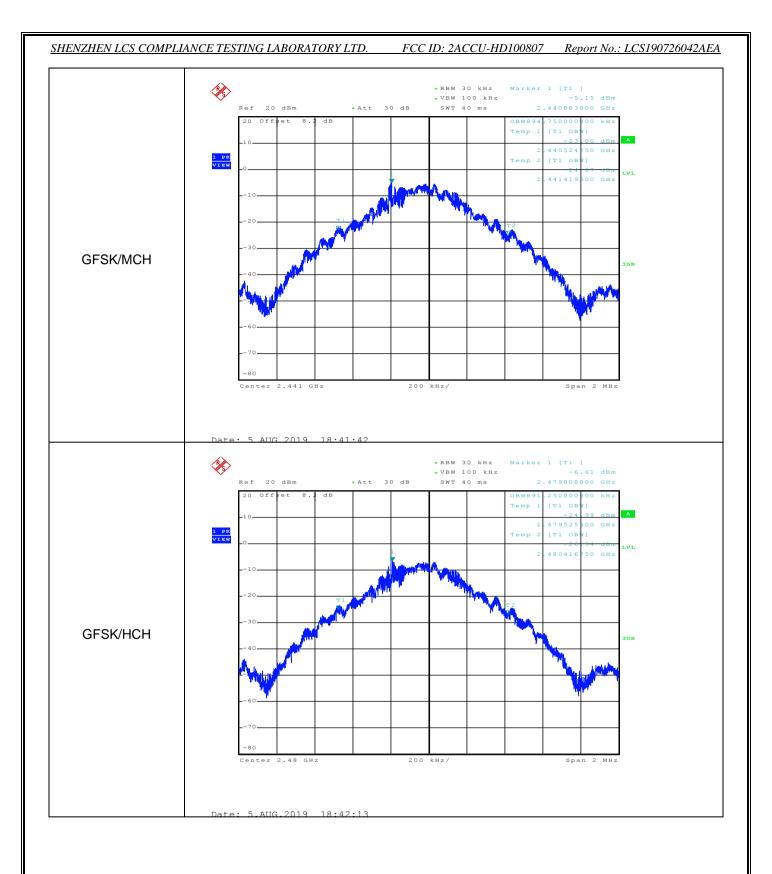


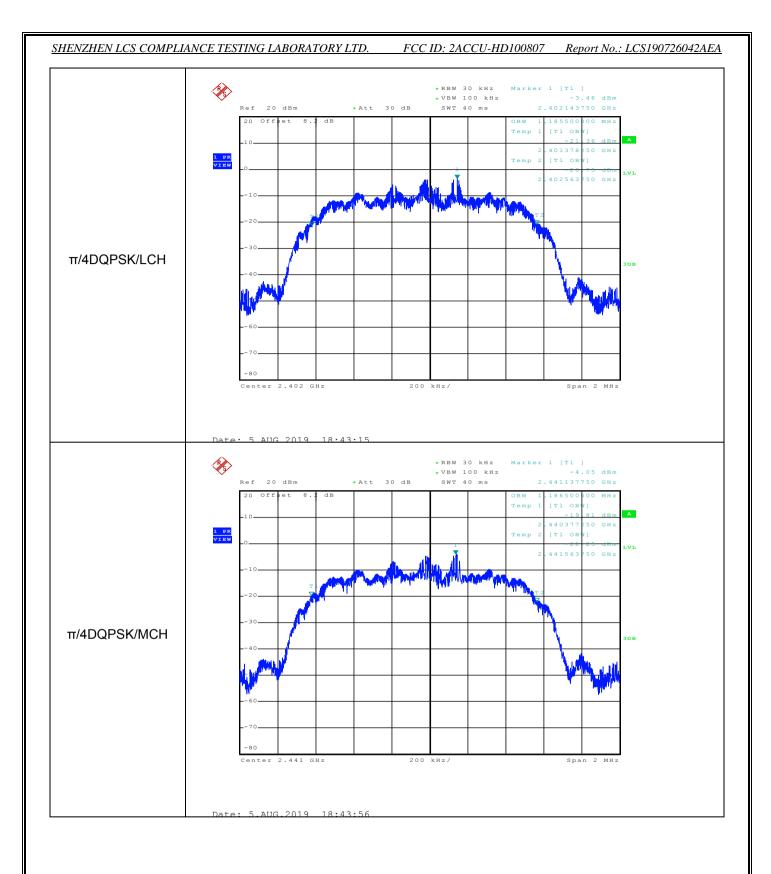


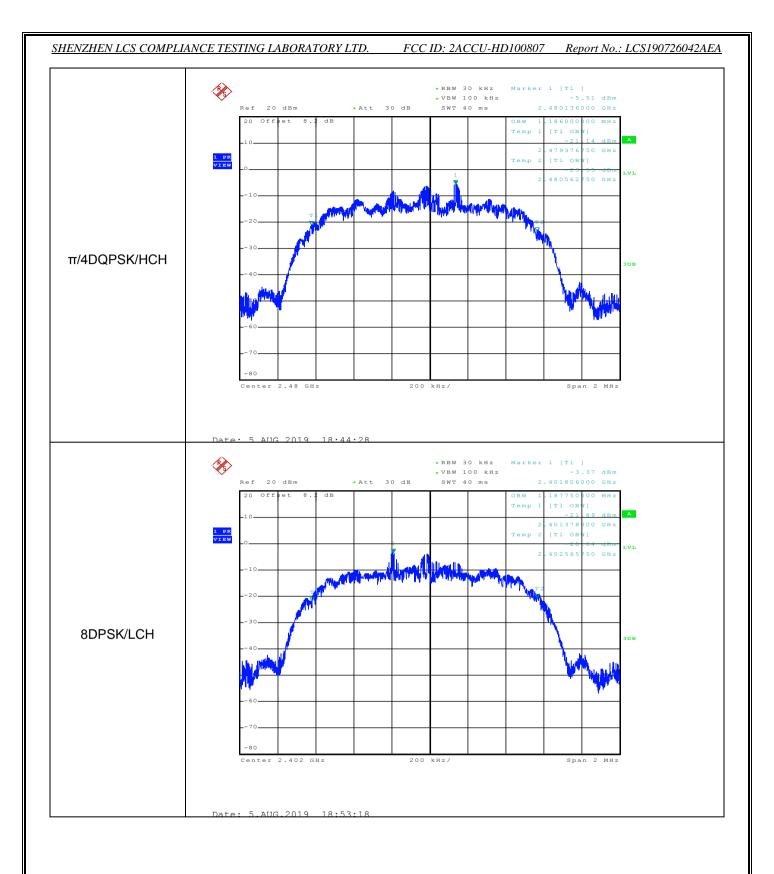
A.3 Occupied Bandwidth

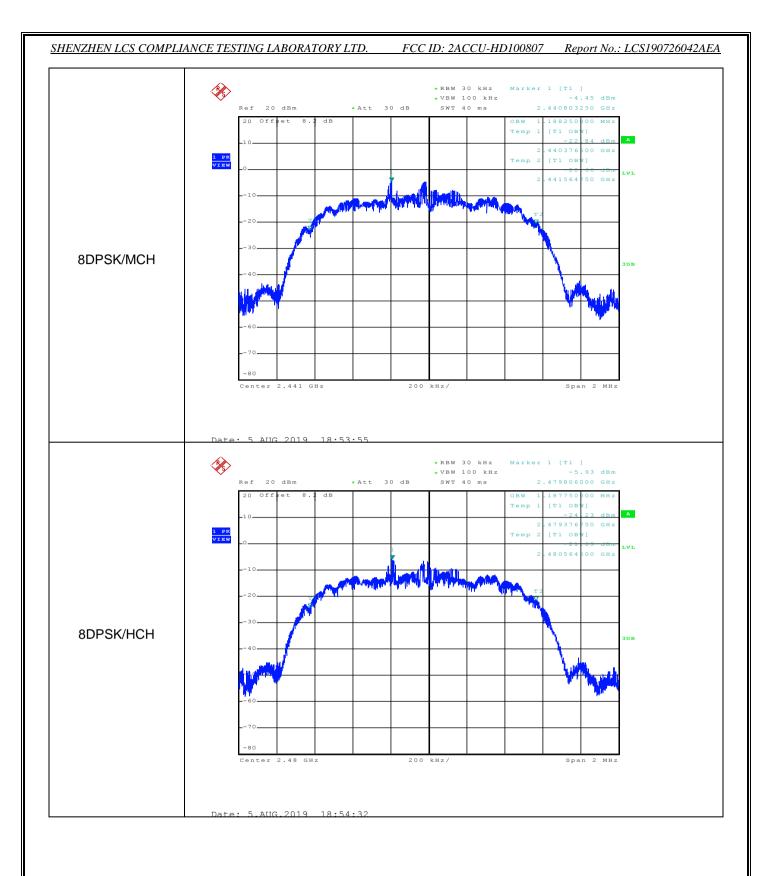
Mode	Channel.	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.895	Not Specified	PASS
GFSK	MCH	0.895	Not Specified	PASS
	HCH	0.891	Not Specified	PASS
	LCH	1.186	Not Specified	PASS
π/4DQPSK	MCH	1.187	Not Specified	PASS
	HCH	1.186	Not Specified	PASS
8DPSK	LCH	1.188	Not Specified	PASS
	MCH	1.188	Not Specified	PASS
	НСН	1.188	Not Specified	PASS





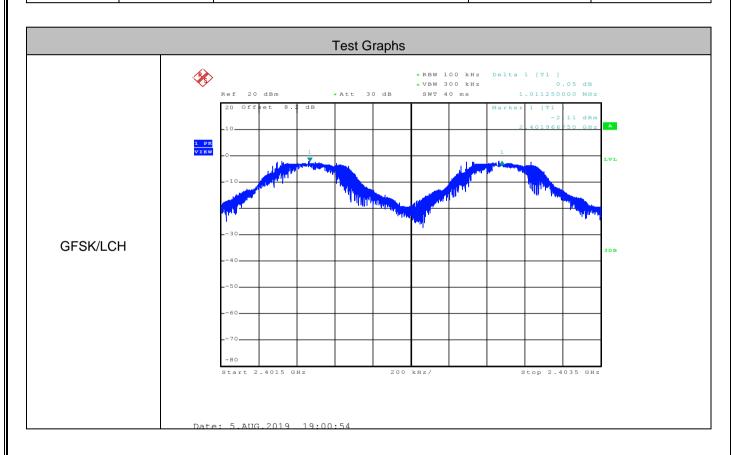


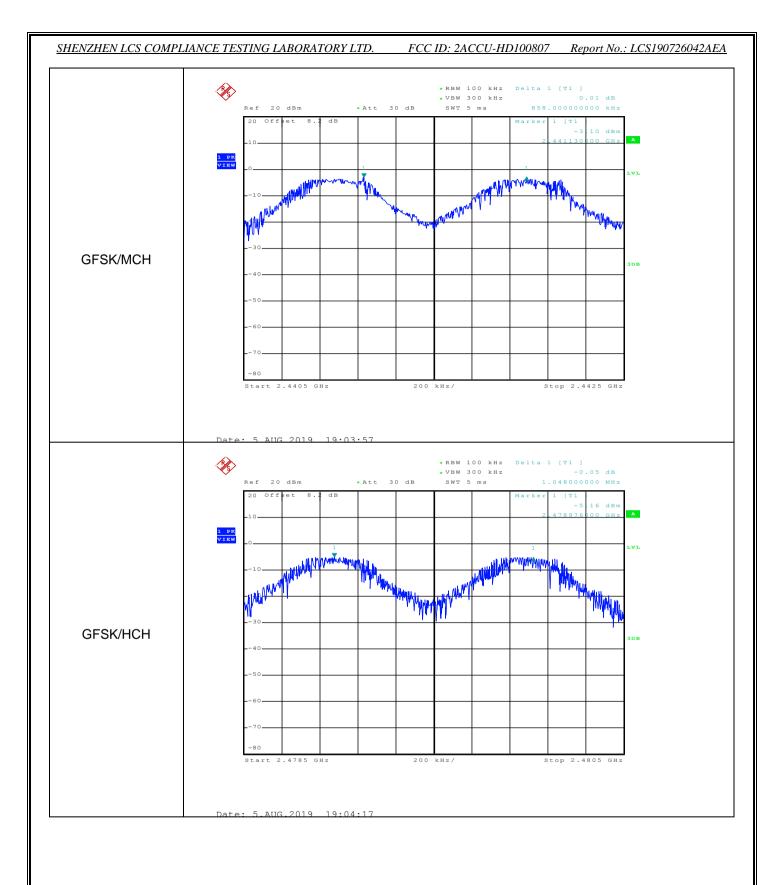


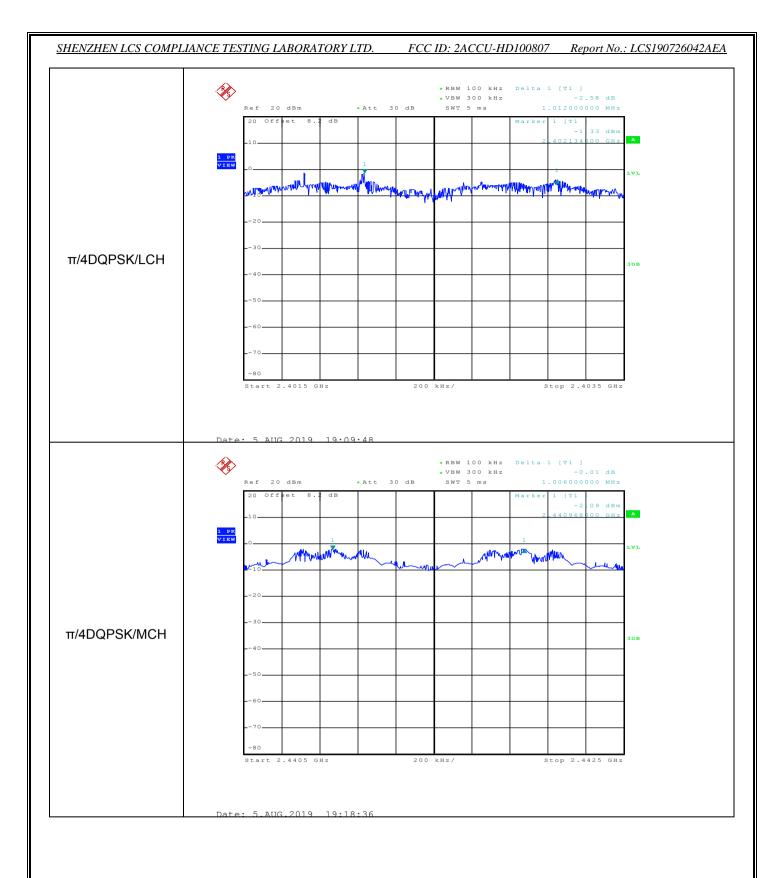


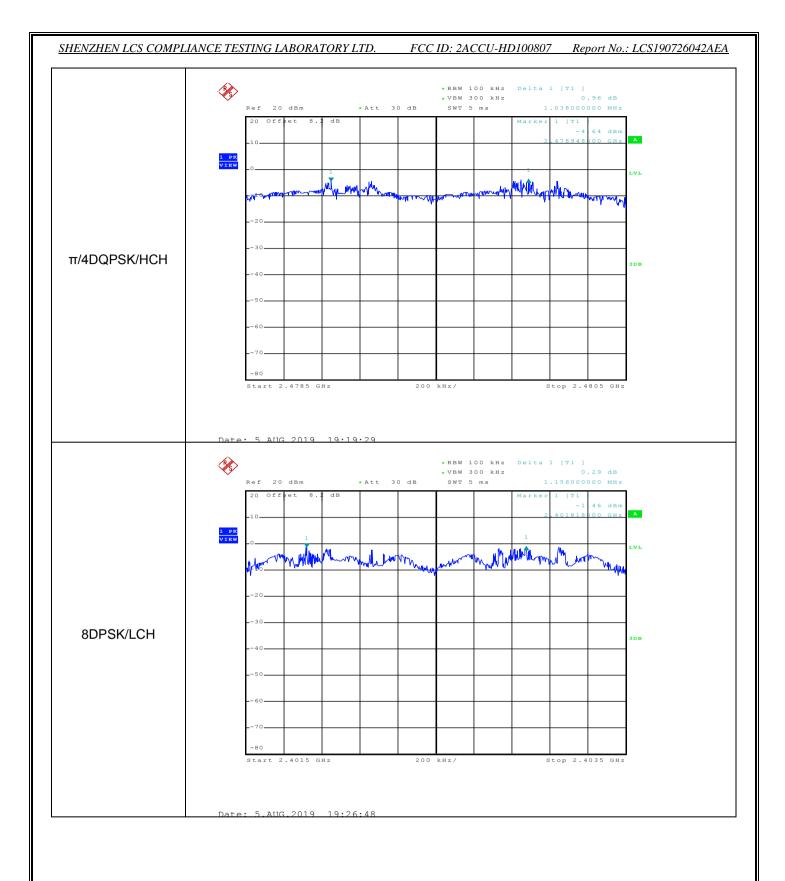
A.4 Carrier Frequency Separation

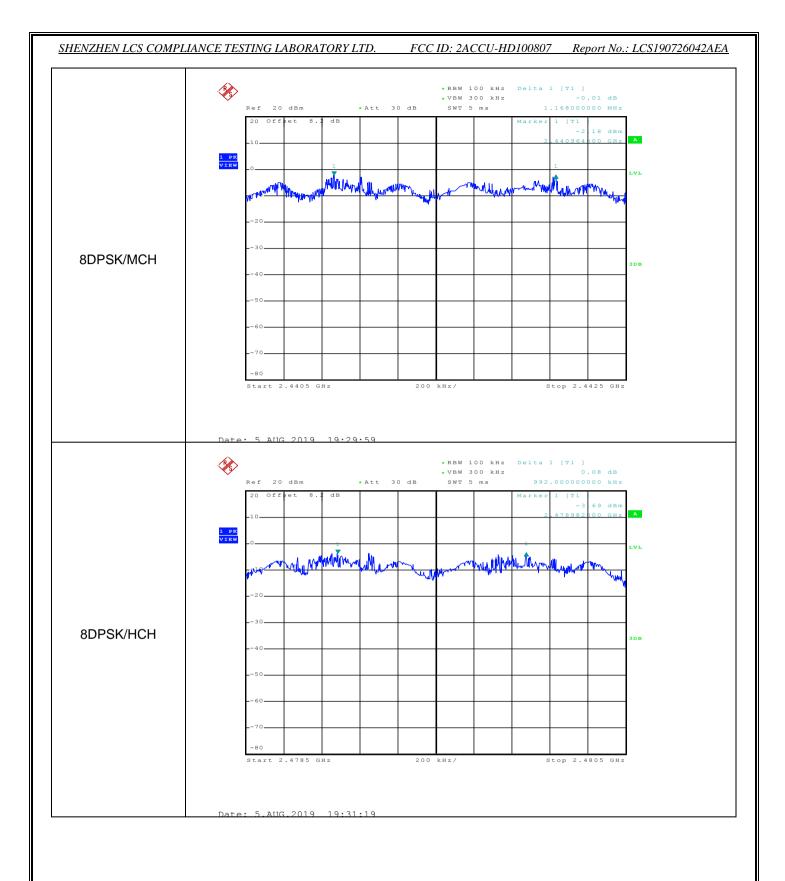
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.011	0.639	PASS
GFSK	MCH	0.858	0.639	PASS
	HCH	1.048	0.639	PASS
	LCH	1.012	0.872	PASS
π/4DQPSK	MCH	1.006	0.872	PASS
	HCH	1.038	0.872	PASS
	LCH	1.156	0.867	PASS
8DPSK	MCH	1.168	0.867	PASS
	HCH	0.992	0.867	PASS





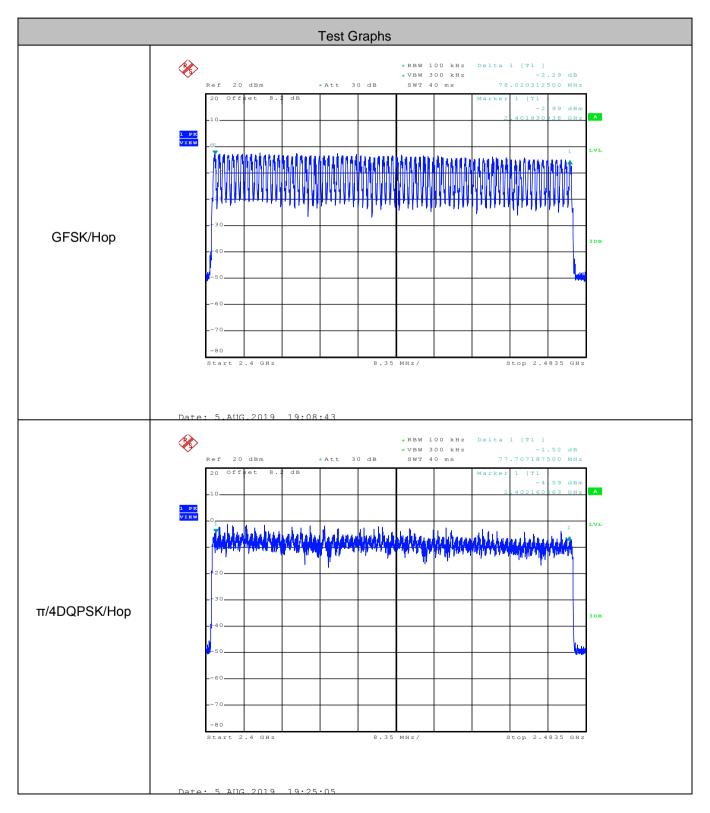


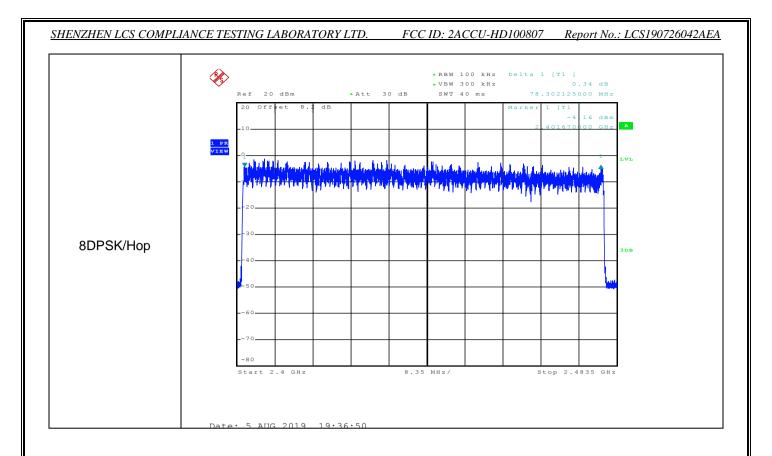




A.5 Hopping Channel Number

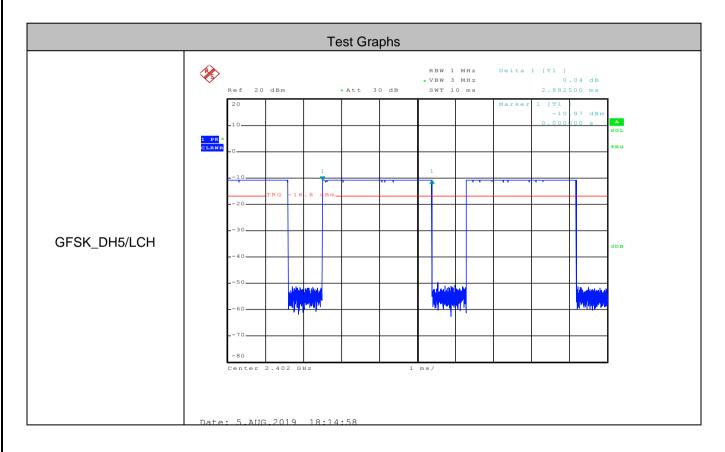
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

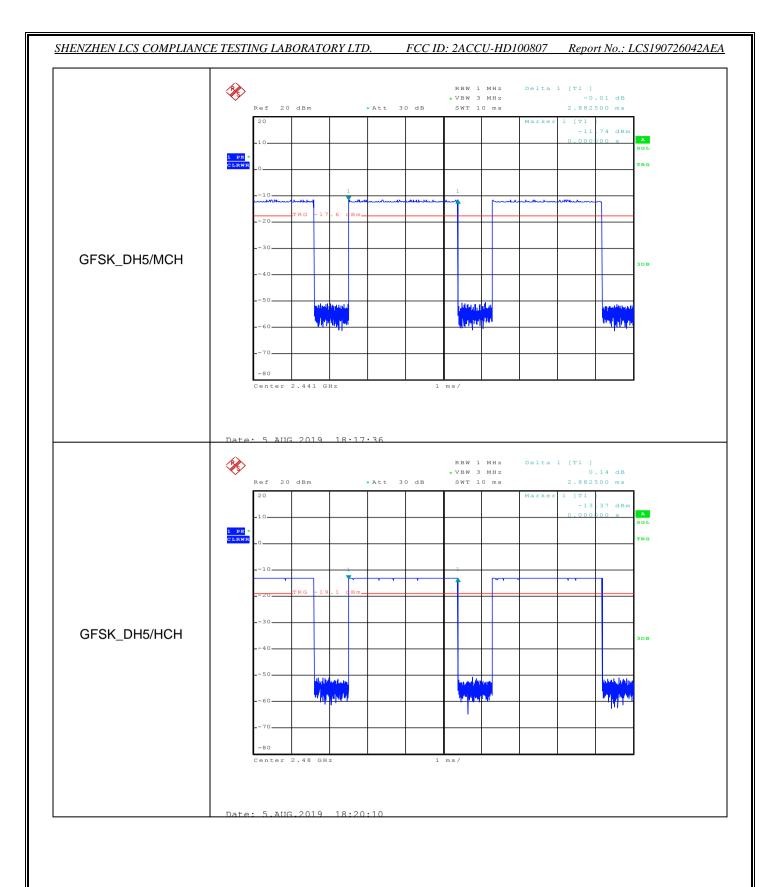


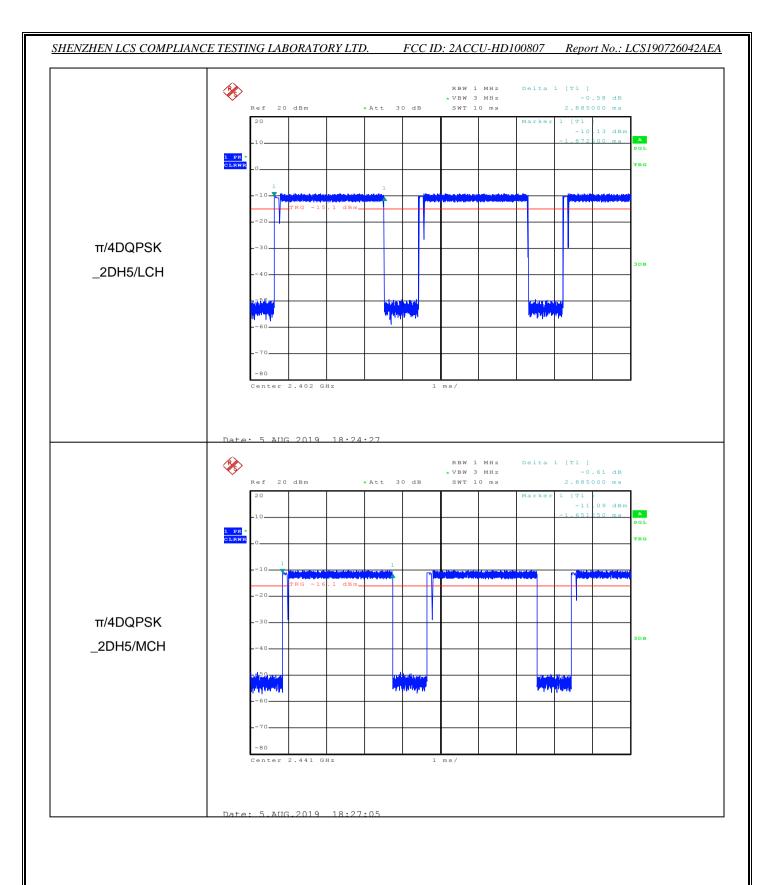


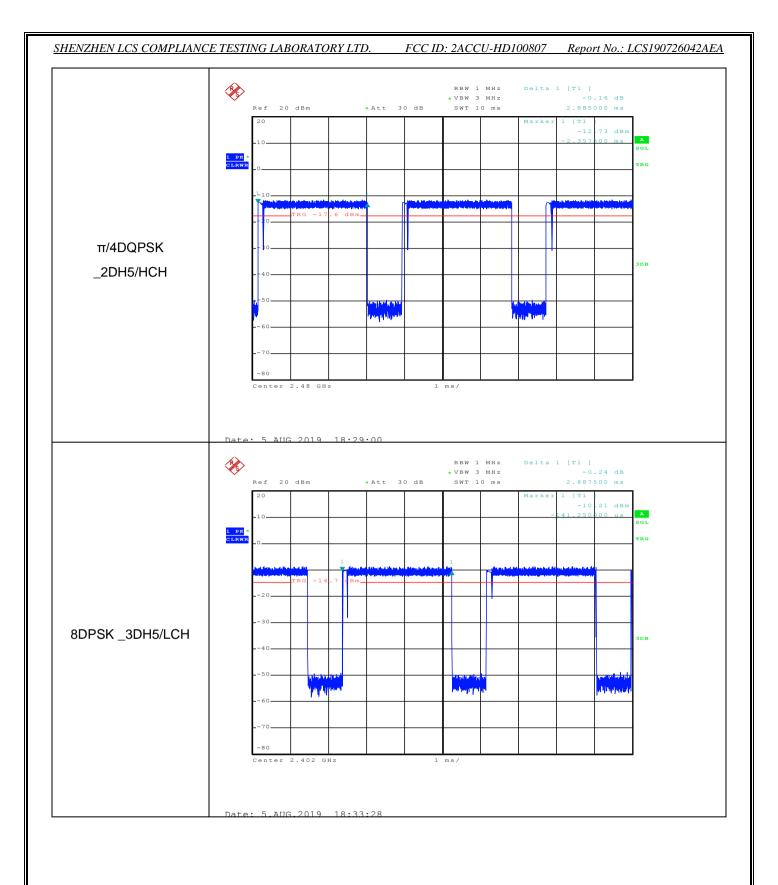
A.6 Dwell Time

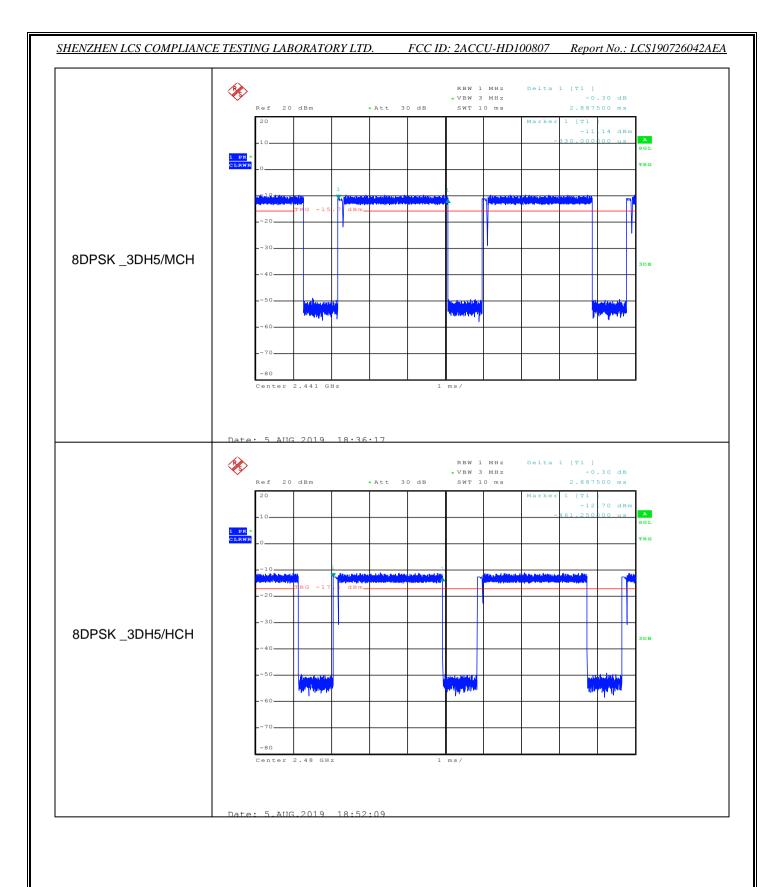
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	LCH	2.88	106.7	0.308	0.4	PASS
	2DH5	MCH	2.88	106.7	0.308	0.4	PASS
	2DH5	HCH	2.88	106.7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





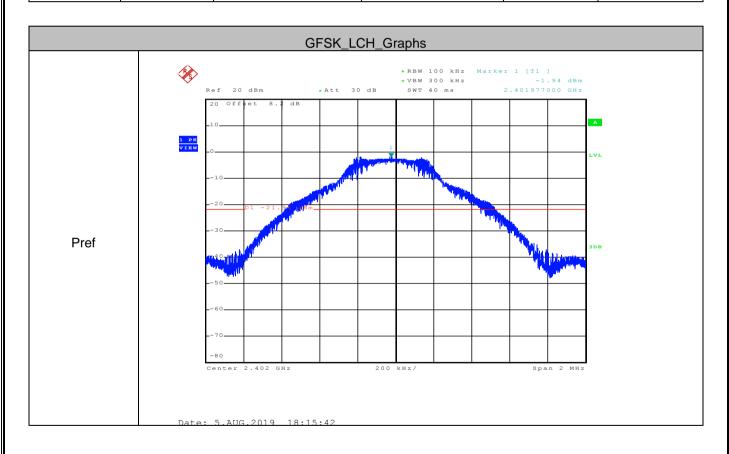


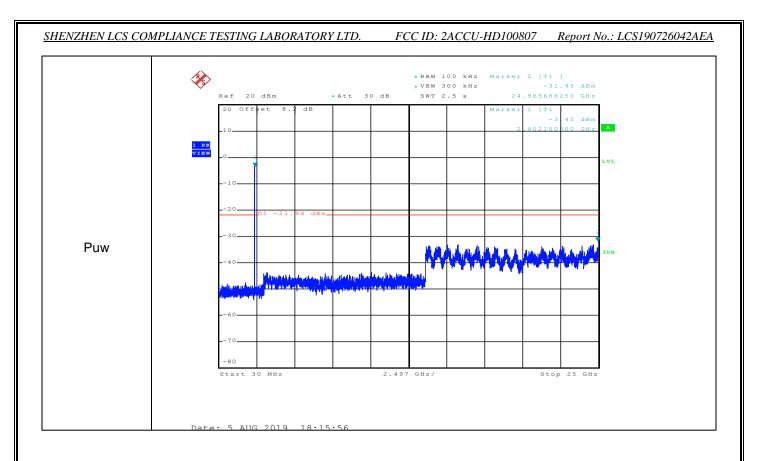


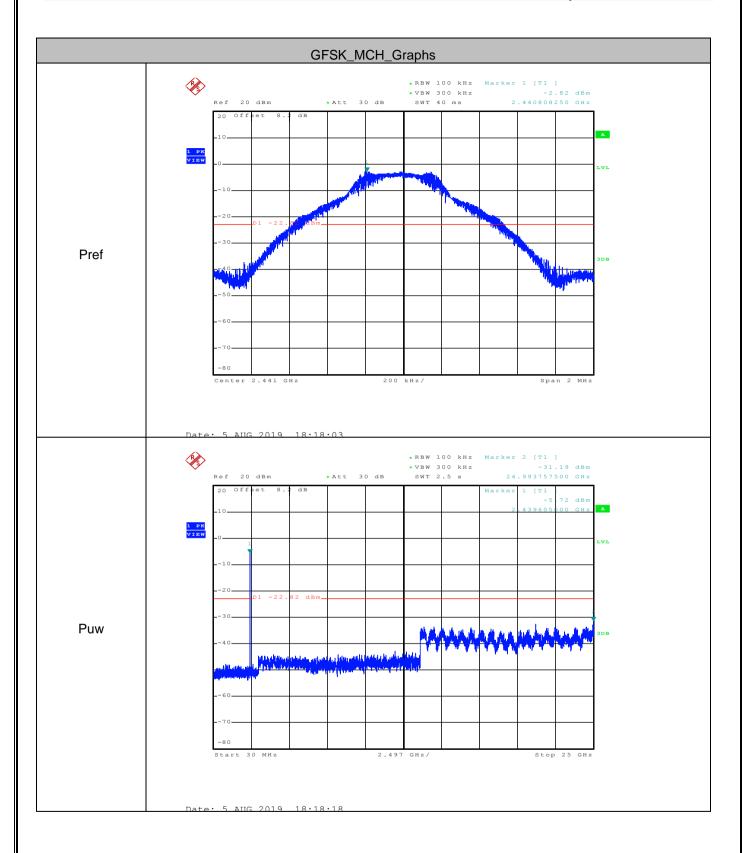


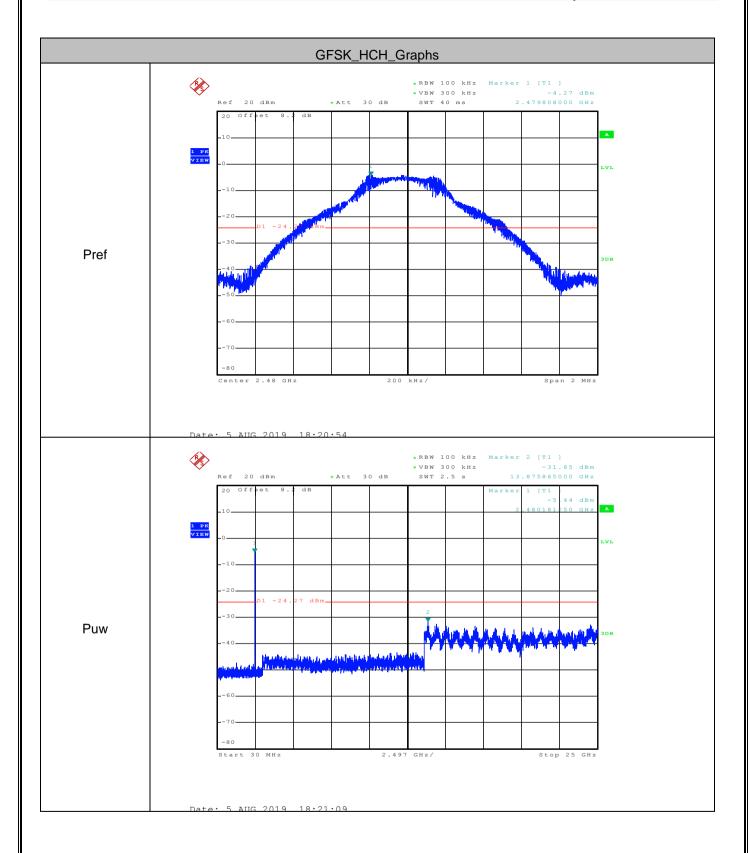
A.7 RF Conducted Spurious Emissions

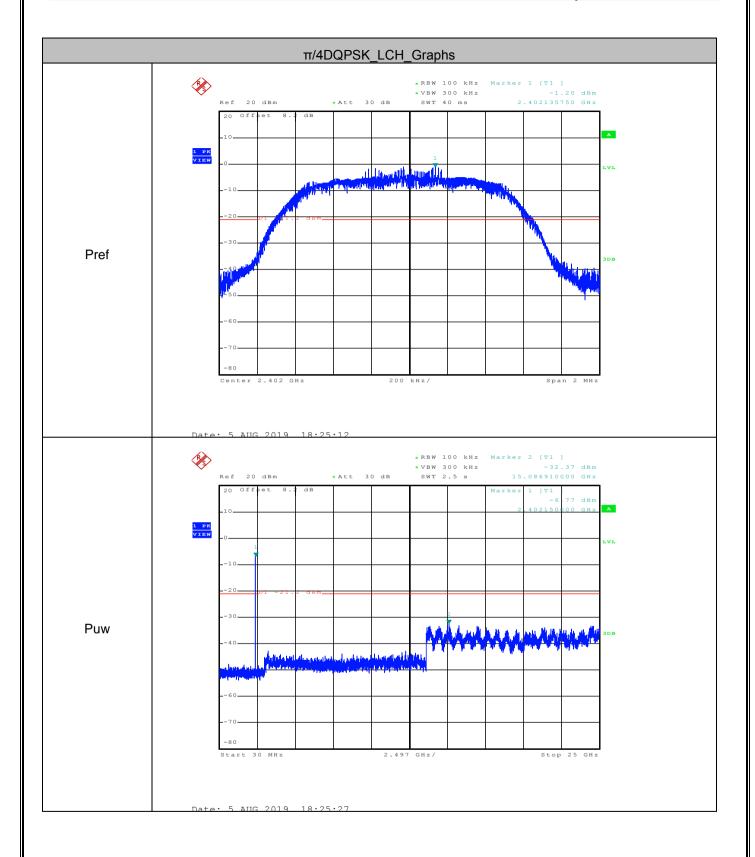
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.94	-31.950	-21.940	PASS
GFSK	MCH	-2.82	-31.190	-22.820	PASS
	НСН	-4.27	-31.650	-24.270	PASS
	LCH	-1.2	-32.370	-21.200	PASS
π/4DQPSK	MCH	-2.12	-31.050	-22.120	PASS
	HCH	-3.66	-32.020	-23.660	PASS
	LCH	-1.22	-31.840	-21.220	PASS
8DPSK	MCH	-2.15	-31.820	-22.150	PASS
	HCH	-3.63	-32.680	-23.630	PASS

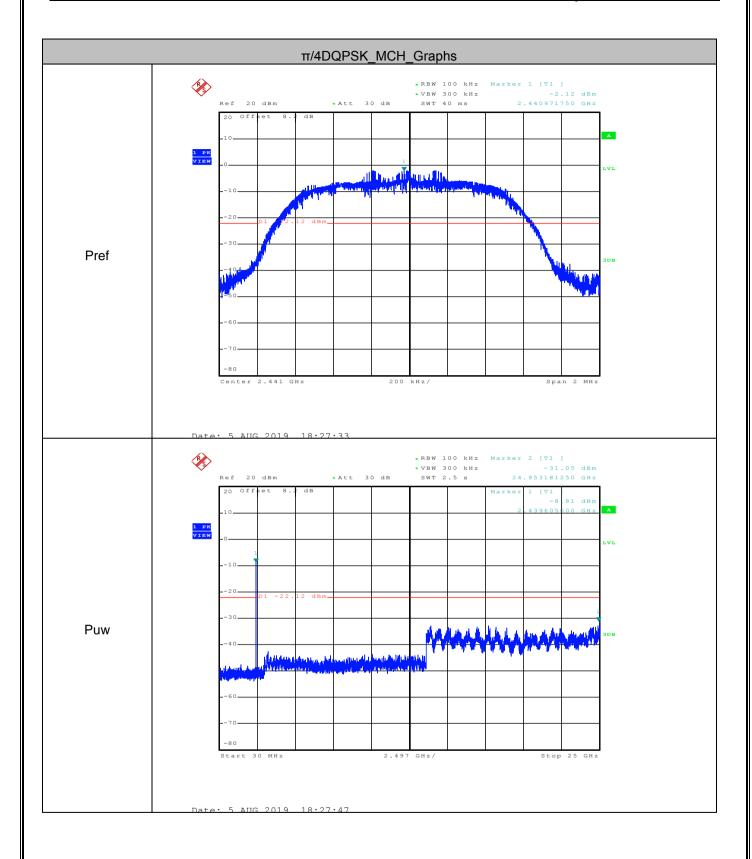


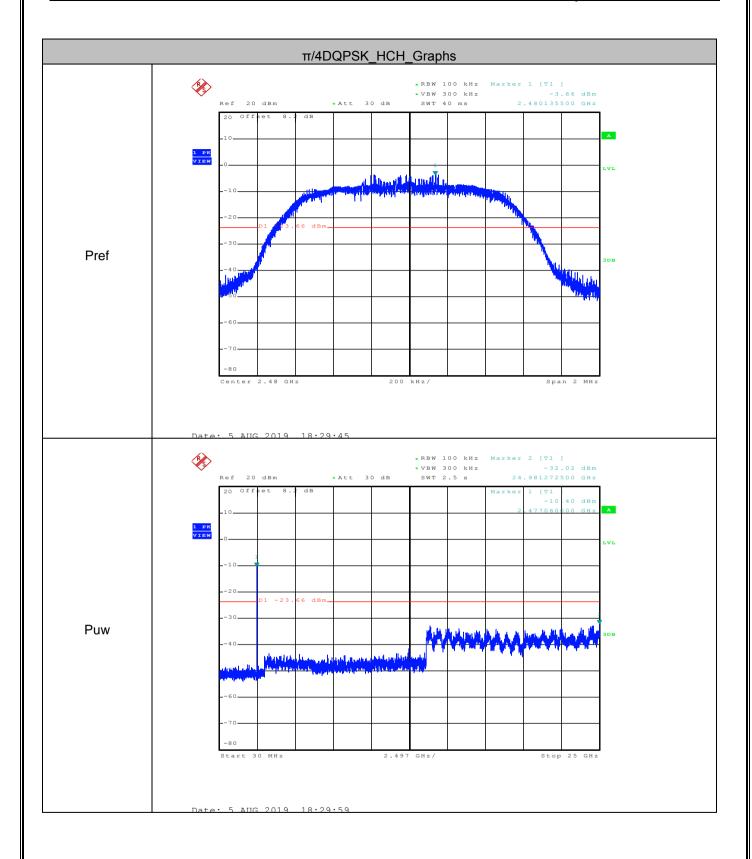


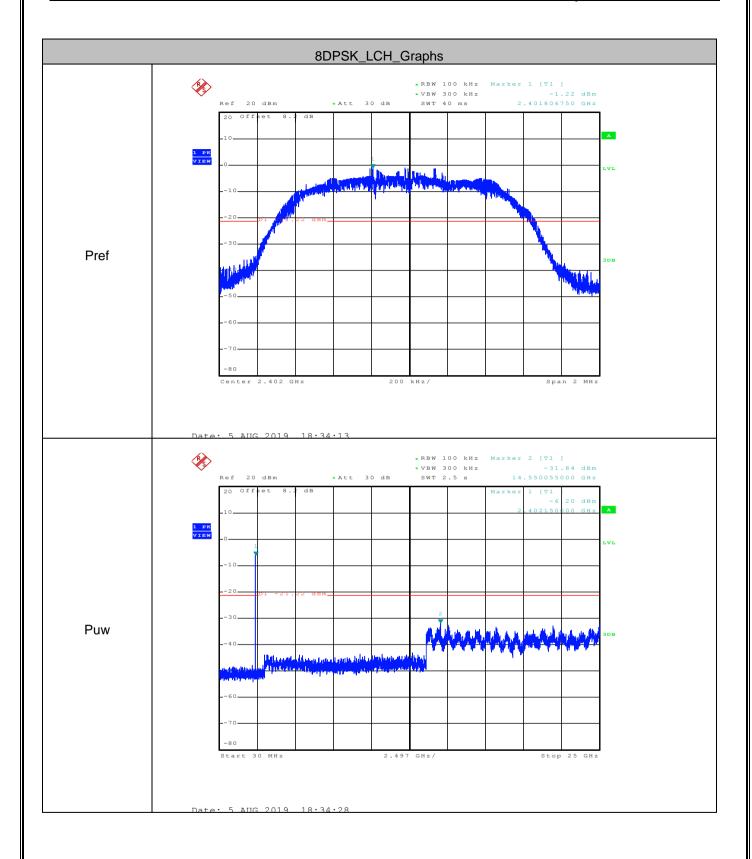


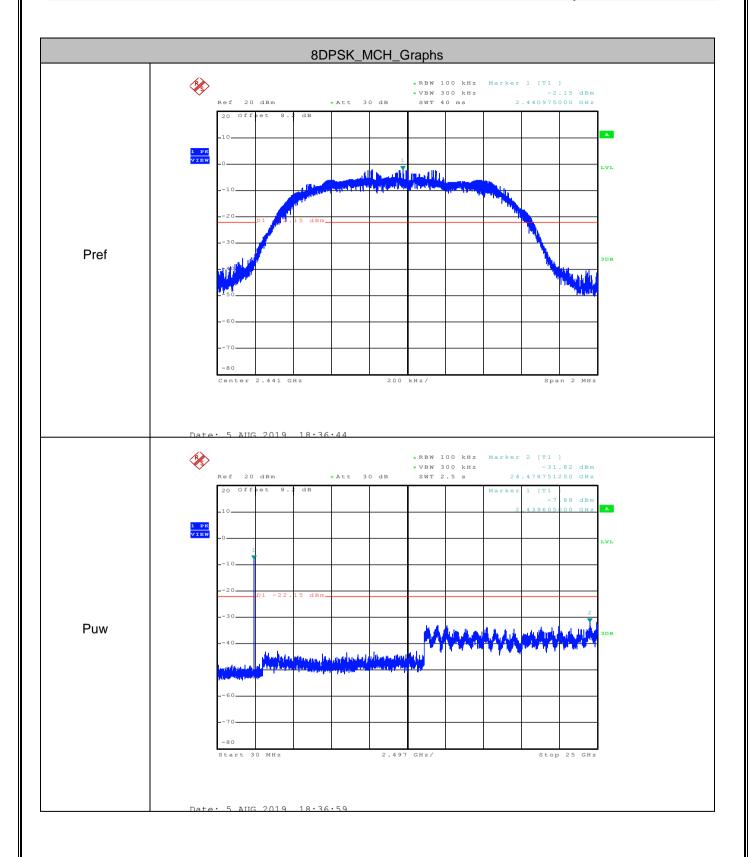


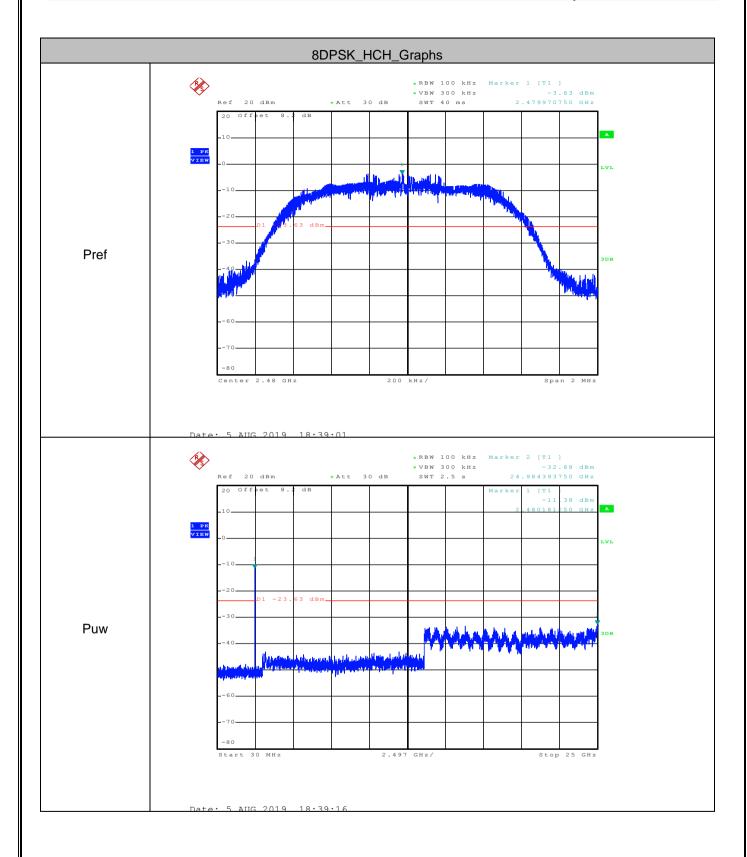






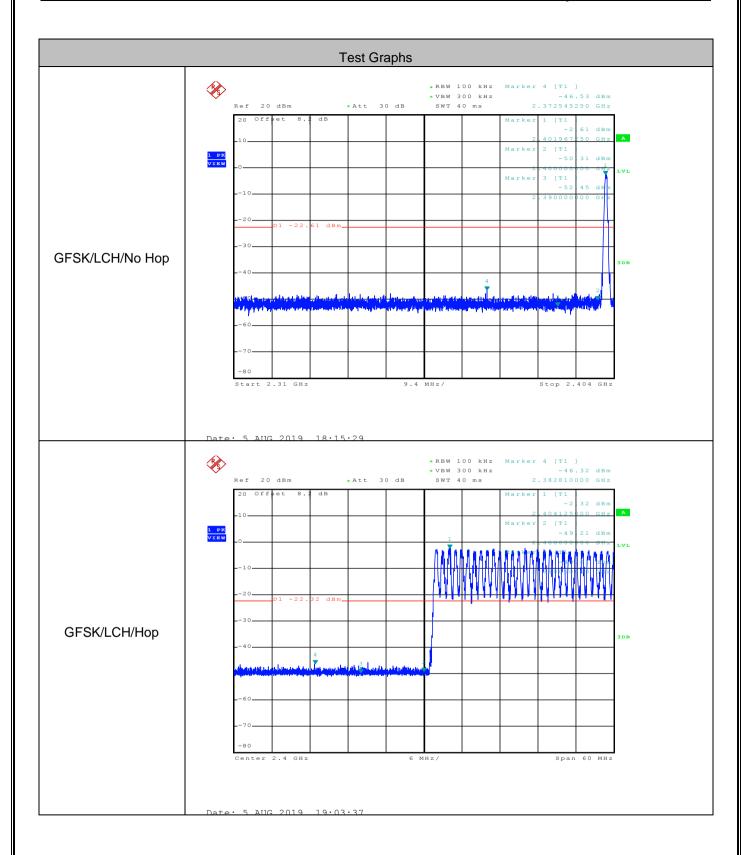


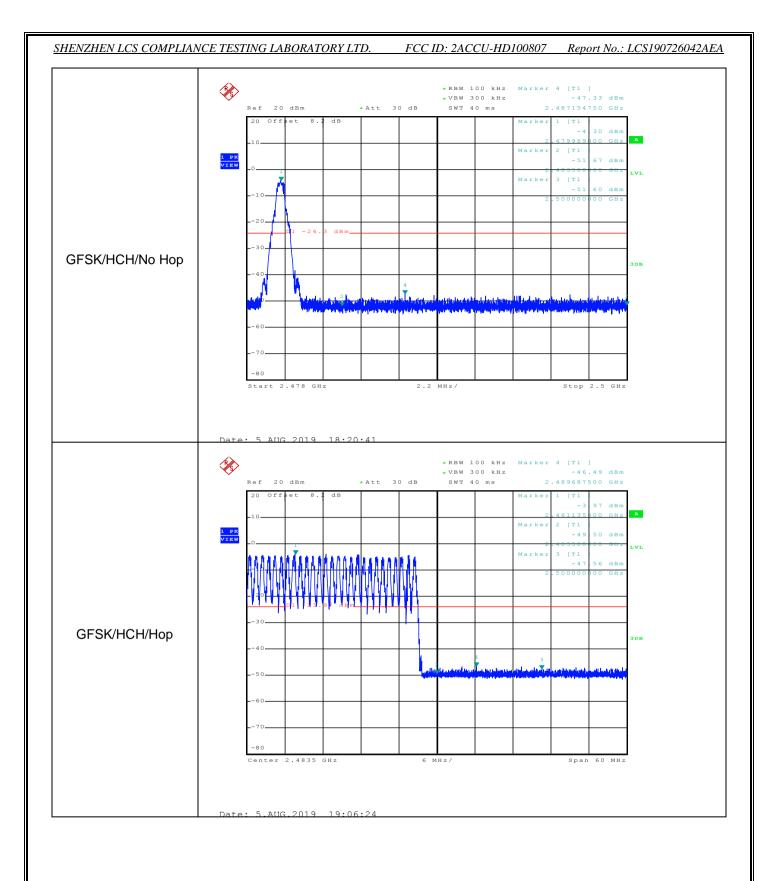


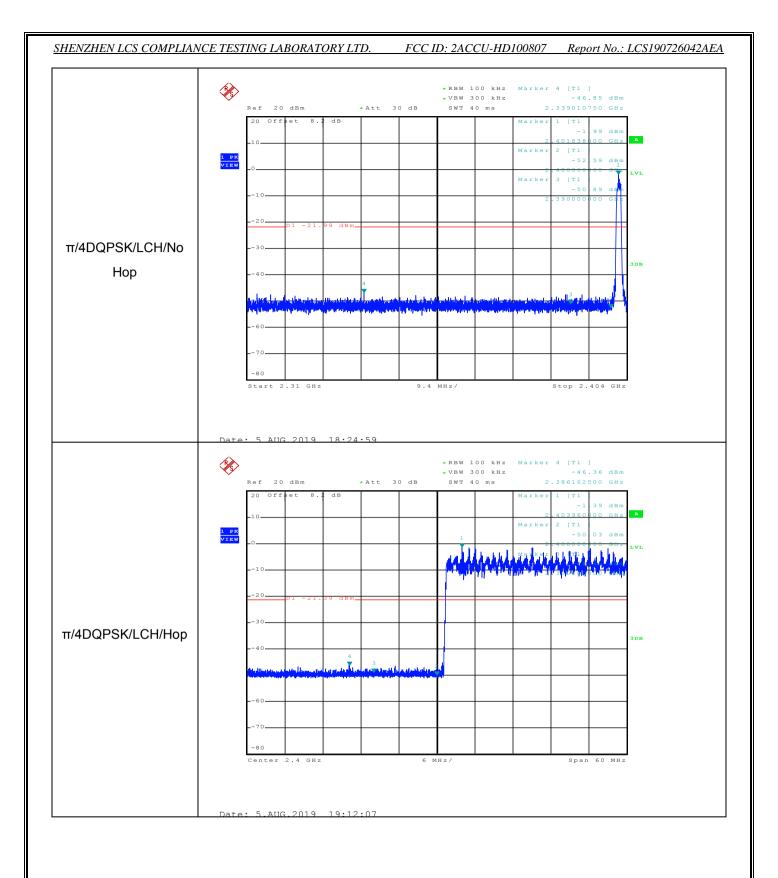


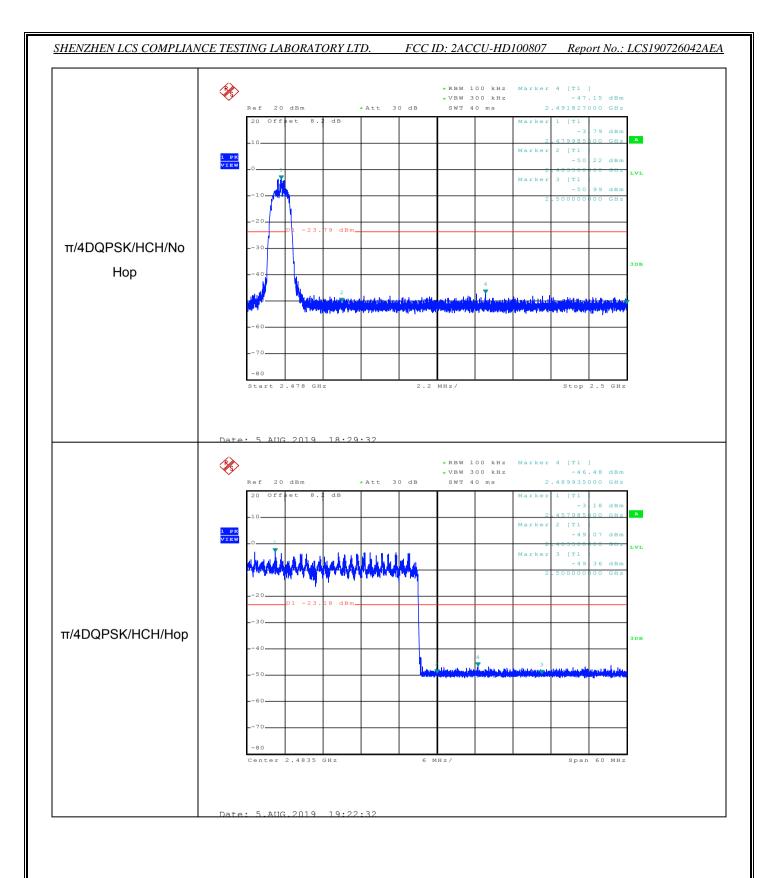
A.8 Band-edge for RF Conducted Emissions

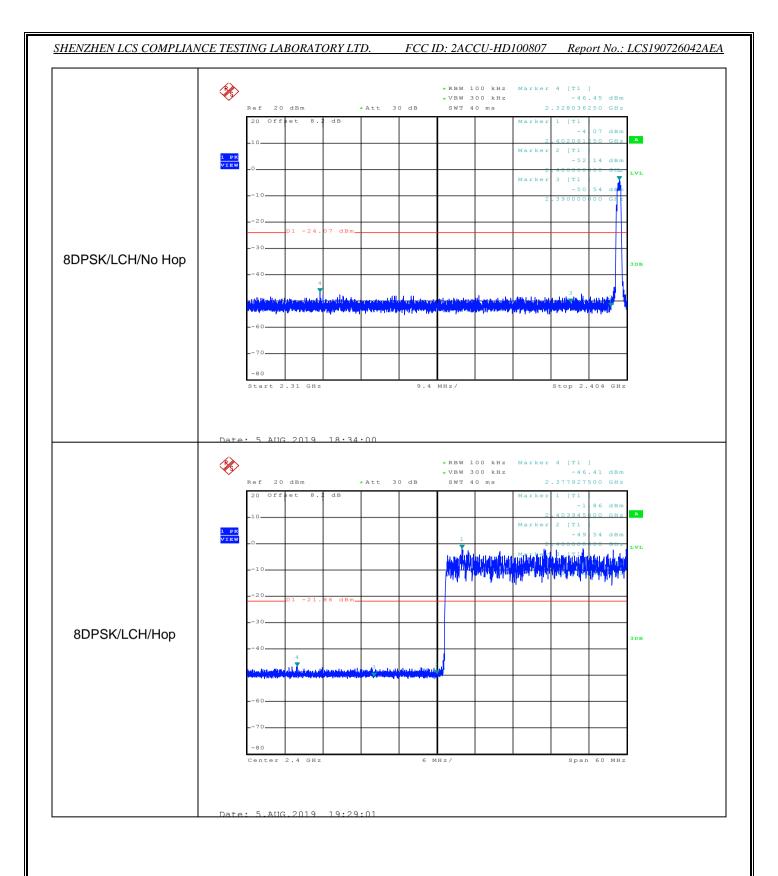
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-2.610	Off	-46.530	-22.61	PASS
			-2.320	On	-46.321	-22.32	PASS
	нсн	2480	-4.300	Off	-47.329	-24.3	PASS
			-3.970	On	-46.495	-23.97	PASS
π/4DQPSK	LCH	2402	-1.990	Off	-46.849	-21.99	PASS
			-1.390	On	-46.363	-21.39	PASS
	нсн	2480	-3.790	Off	-47.147	-23.79	PASS
			-3.180	On	-46.483	-23.18	PASS
8DPSK	LCH	2402	-4.070	Off	-46.448	-24.07	PASS
			-1.860	On	-46.409	-21.86	PASS
	НСН	2480	-3.740	Off	-47.034	-23.74	PASS
			-3.170	On	-47.155	-23.17	PASS

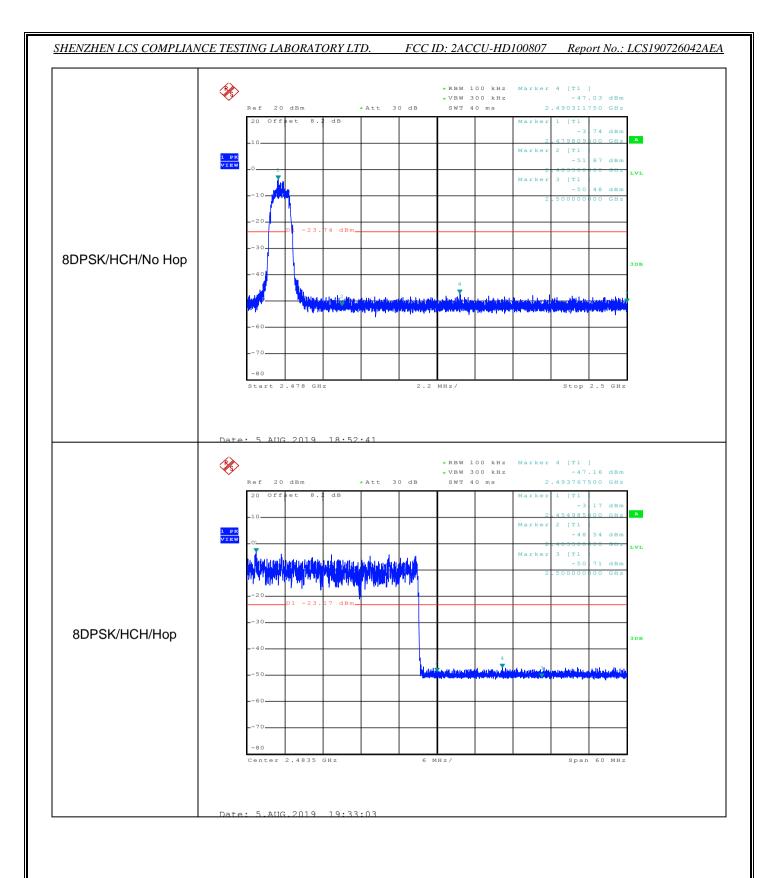








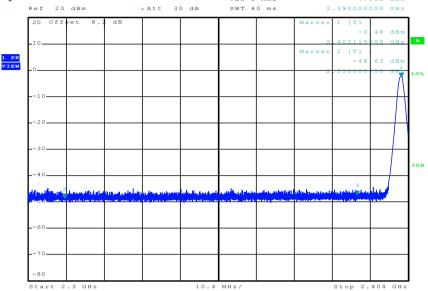




A.8 Restrict-band band-edge measurements

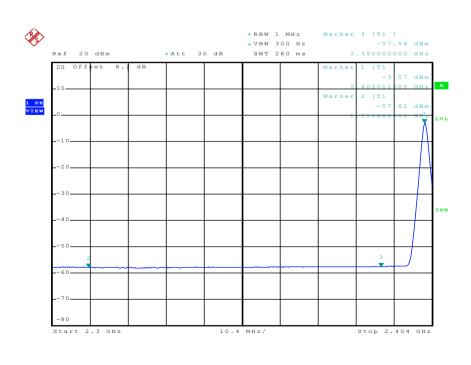
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-48.63	2.0	0	48.63	PEAK	74	PASS
	Off	2310.0	-57.82	2.0	0	39.44	AV	54	PASS
	Off	2390.0	-47.25	2.0	0	50.01	PEAK	74	PASS
	Off	2390.0	-57.58	2.0	0	39.68	AV	54	PASS
	Off	2483.5	-43.07	2.0	0	54.19	PEAK	74	PASS
	Off	2483.5	-47.97	2.0	0	49.29	AV	54	PASS
	Off	2500.0	-48.52	2.0	0	48.74	PEAK	74	PASS
	Off	2500.0	-58.14	2.0	0	39.12	AV	54	PASS
π/4DQPSK	Off	2310.0	-48.62	2.0	0	48.64	PEAK	74	PASS
	Off	2310.0	-57.93	2.0	0	39.33	AV	54	PASS
	Off	2390.0	-48.43	2.0	0	48.83	PEAK	74	PASS
	Off	2390.0	-57.41	2.0	0	39.85	AV	54	PASS
	Off	2483.5	-42.58	2.0	0	54.68	PEAK	74	PASS
	Off	2483.5	-48.00	2.0	0	49.26	AV	54	PASS
	Off	2500.0	-48.16	2.0	0	49.10	PEAK	74	PASS
	Off	2500.0	-58.21	2.0	0	39.05	AV	54	PASS
8DPSK	Off	2310.0	-48.25	2.0	0	49.01	PEAK	74	PASS
	Off	2310.0	-57.86	2.0	0	39.40	AV	54	PASS
	Off	2390.0	-49.11	2.0	0	48.15	PEAK	74	PASS
	Off	2390.0	-57.51	2.0	0	39.75	AV	54	PASS
	Off	2483.5	-41.03	2.0	0	56.23	PEAK	74	PASS
	Off	2483.5	-48.02	2.0	0	49.24	AV	54	PASS
	Off	2500.0	-45.75	2.0	0	51.51	PEAK	74	PASS
	Off	2500.0	-58.17	2.0	0	39.09	AV	54	PASS





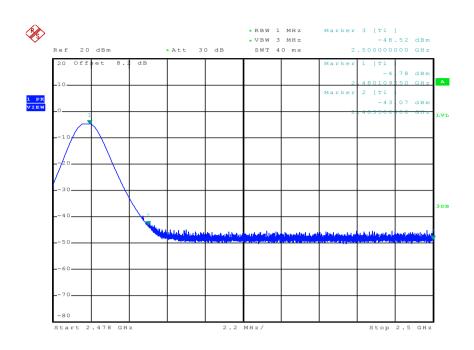
Date: 5.AUG.2019 18:16:15

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



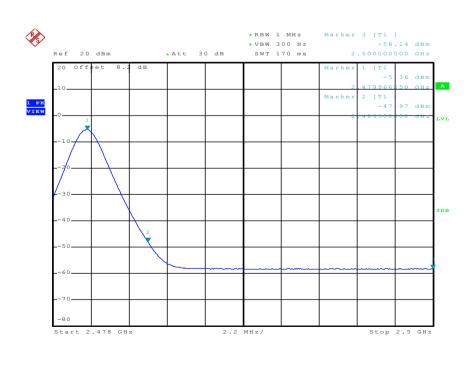
Date: 5.AUG.2019 18:16:29

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



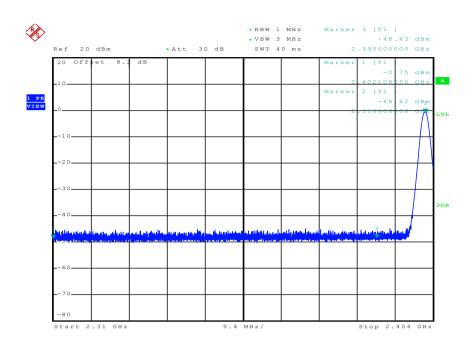
Date: 5.AUG.2019 18:21:28

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



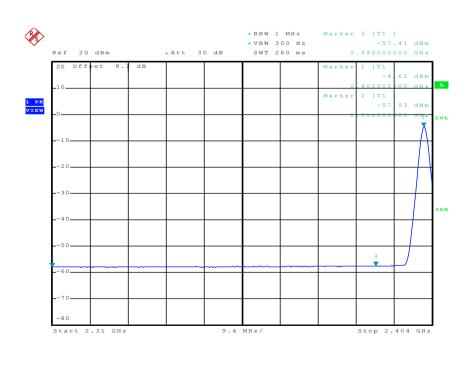
Date: 5.AUG.2019 18:21:41

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



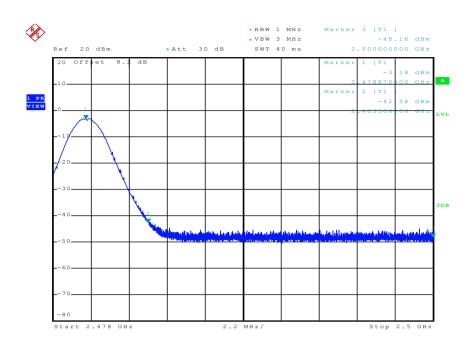
Date: 5.AUG.2019 18:25:46

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



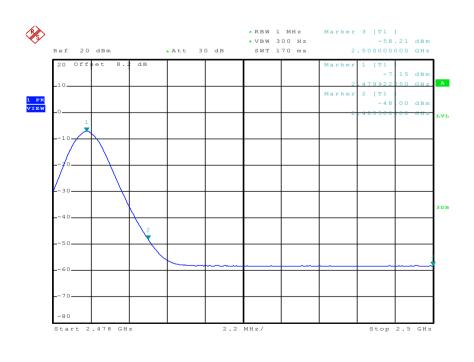
Date: 5.AUG.2019 18:25:59

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



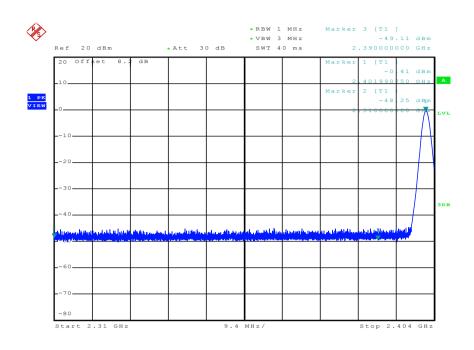
Date: 5.AUG.2019 18:30:18

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



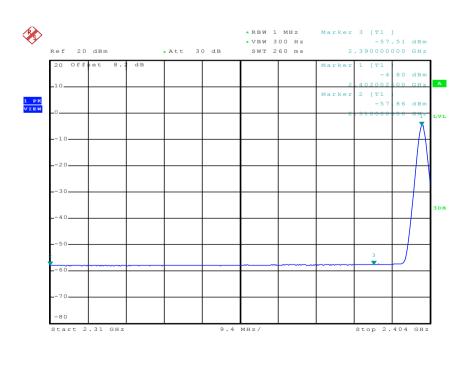
Date: 5.AUG.2019 18:30:31

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



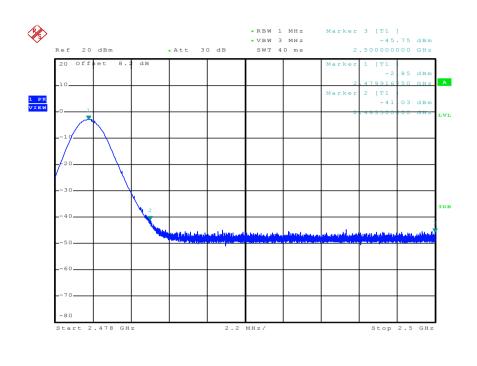
Date: 5.AUG.2019 18:34:47

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



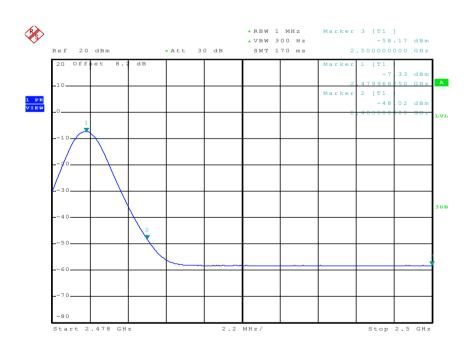
Date: 5.AUG.2019 18:35:00

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



Date: 5.AUG.2019 18:39:35

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



Date: 5.AUG.2019 18:39:48