Appendix A

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

Product Name: WIRELESS EARPHONES Trade Mark: ONN

Test Model: 18LY09

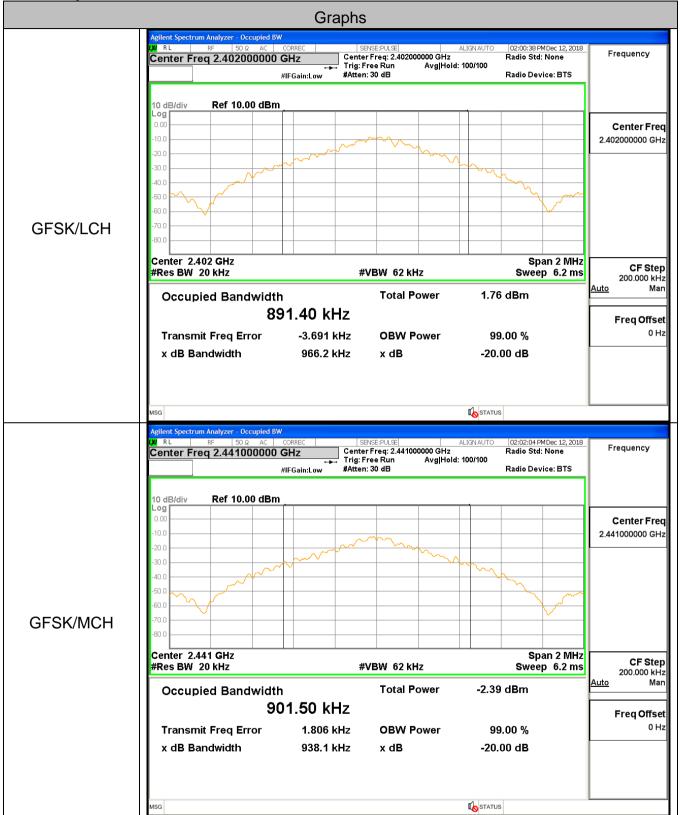
FCC ID: 2AKI8-ONDBTINEAR

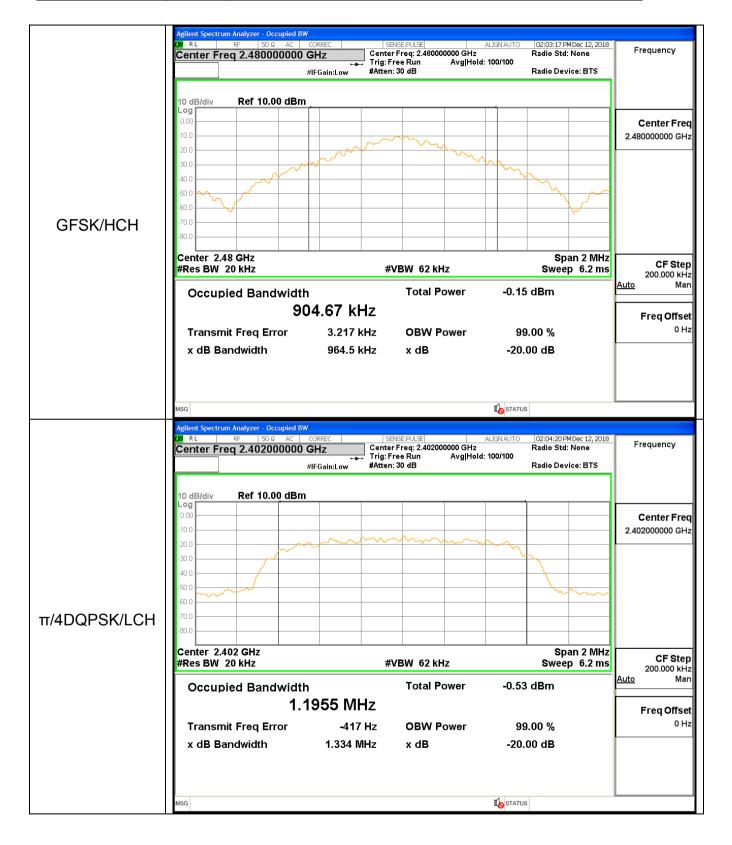
Environmental Conditions

Temperature:	22.9 ° C
Relative Humidity:	52%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

A.1 20 dB Bandwidth

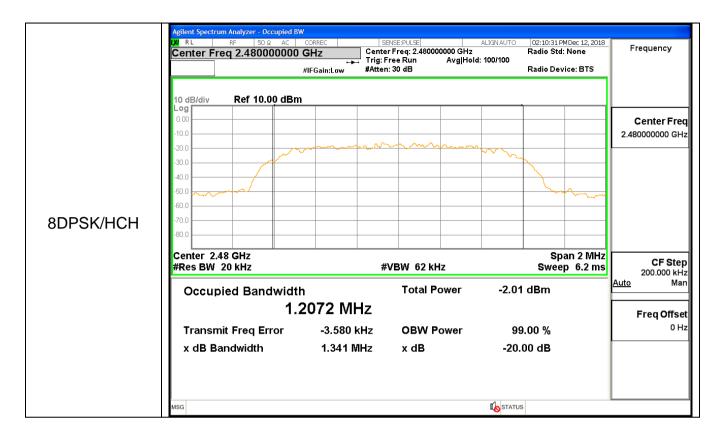
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.966	Not Specified	PASS
GFSK	MCH	0.938	Not Specified	PASS
GFSK	HCH	0.965	Not Specified	PASS
π/4DQPSK	LCH	1.334	Not Specified	PASS
π/4DQPSK	MCH	1.348	Not Specified	PASS
π/4DQPSK	HCH	1.348	Not Specified	PASS
8DPSK	LCH	1.328	Not Specified	PASS
8DPSK	MCH	1.344	Not Specified	PASS
8DPSK	HCH	1.341	Not Specified	PASS





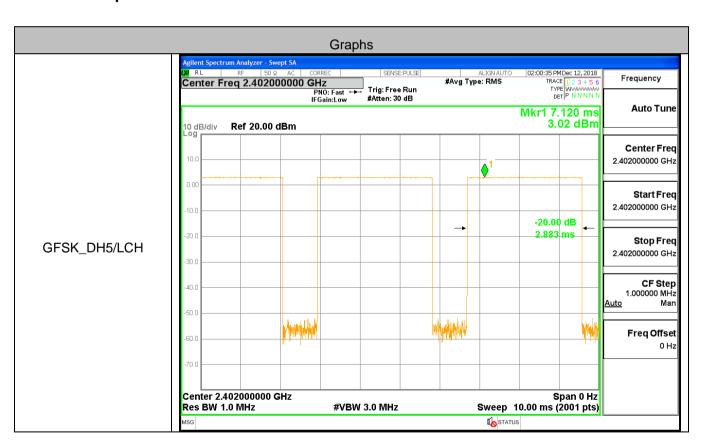


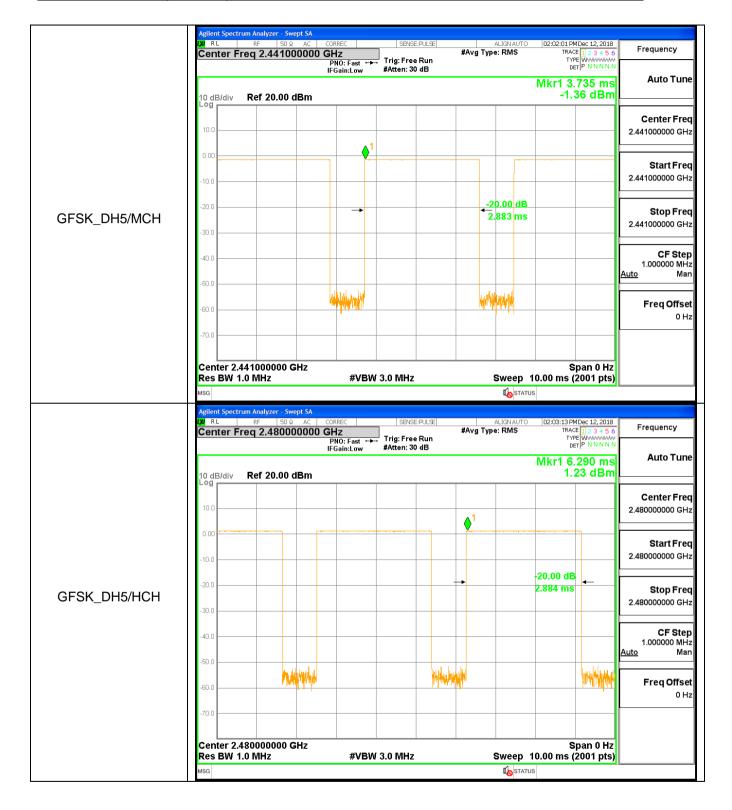


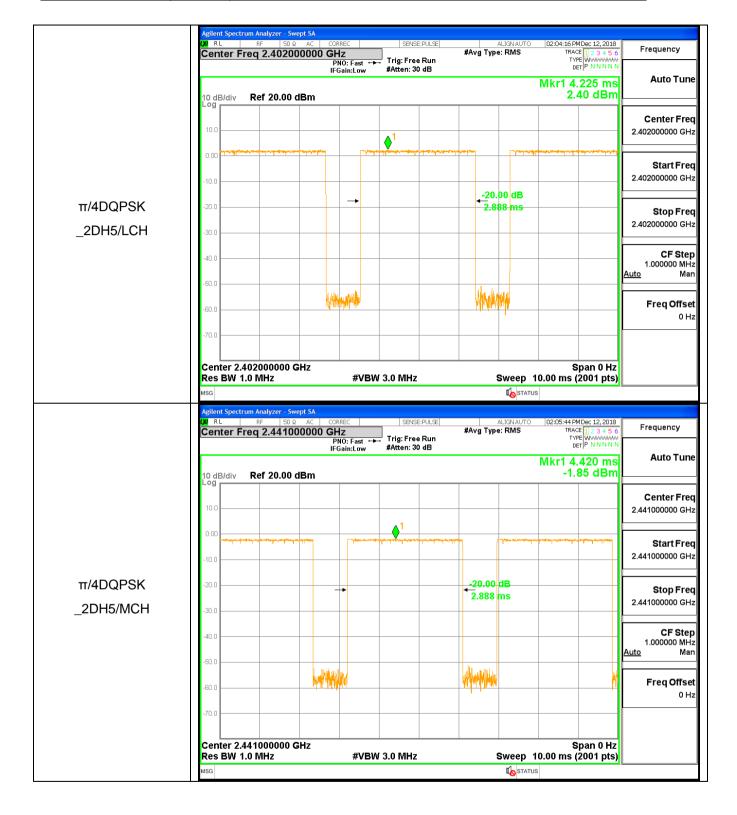


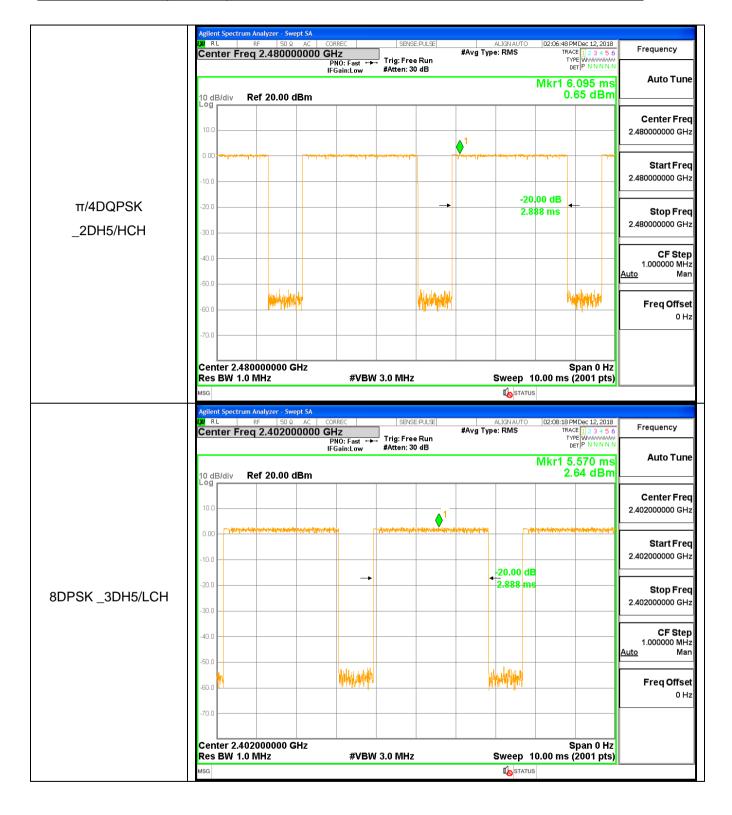
A.2 Dwell Time

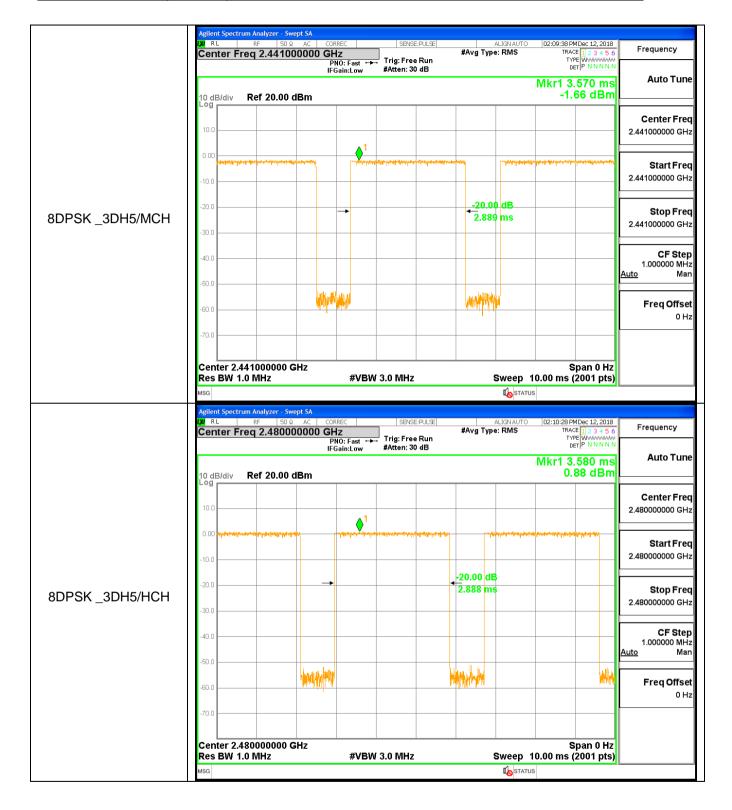
Mode	Packet	Chann el	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdic t
GFSK	DH5	LCH	0.002883002	106.7	0.307616322	0.4	PASS
GFSK	DH5	мсн	0.002883383	106.7	0.307656915	0.4	PASS
GFSK	DH5	HCH	0.002883542	106.7	0.307673883	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002887506	106.7	0.308096932	0.4	PASS
π/4DQPSK	2DH5	мсн	0.002888409	106.7	0.308193196	0.4	PASS
π/4DQPSK	2DH5	НСН	0.002887713	106.7	0.308119004	0.4	PASS
8DPSK	3DH5	LCH	0.00288814	106.7	0.308164519	0.4	PASS
8DPSK	3DH5	мсн	0.002888504	106.7	0.308203414	0.4	PASS
8DPSK	3DH5	НСН	0.002888471	106.7	0.308199856	0.4	PASS





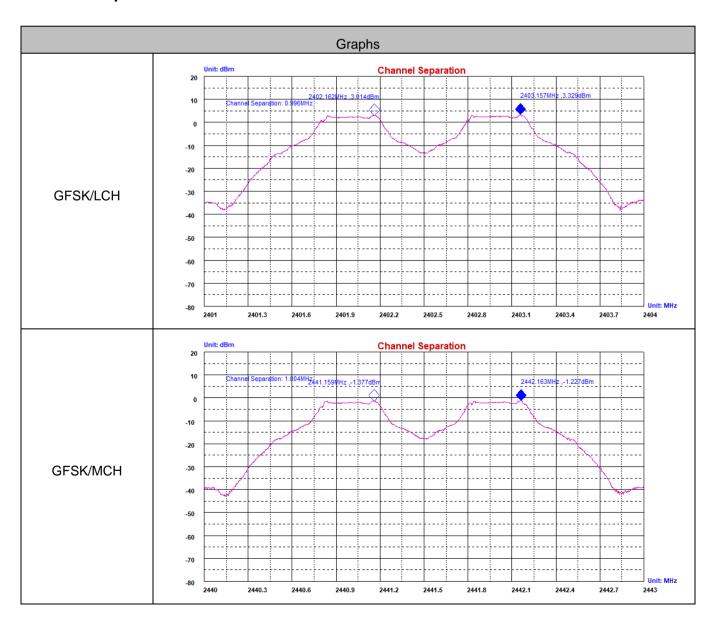


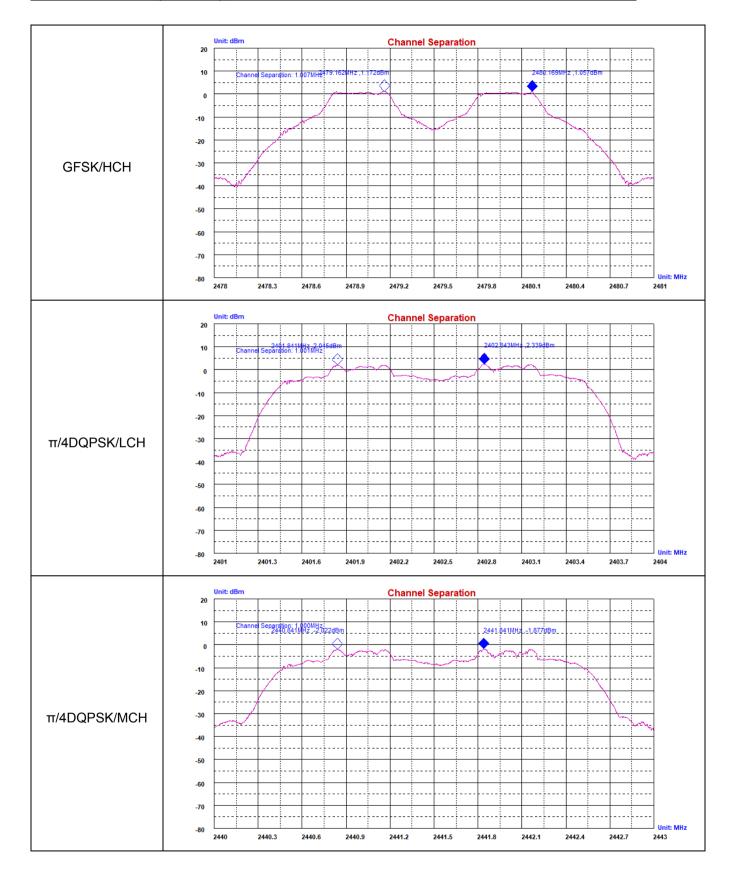


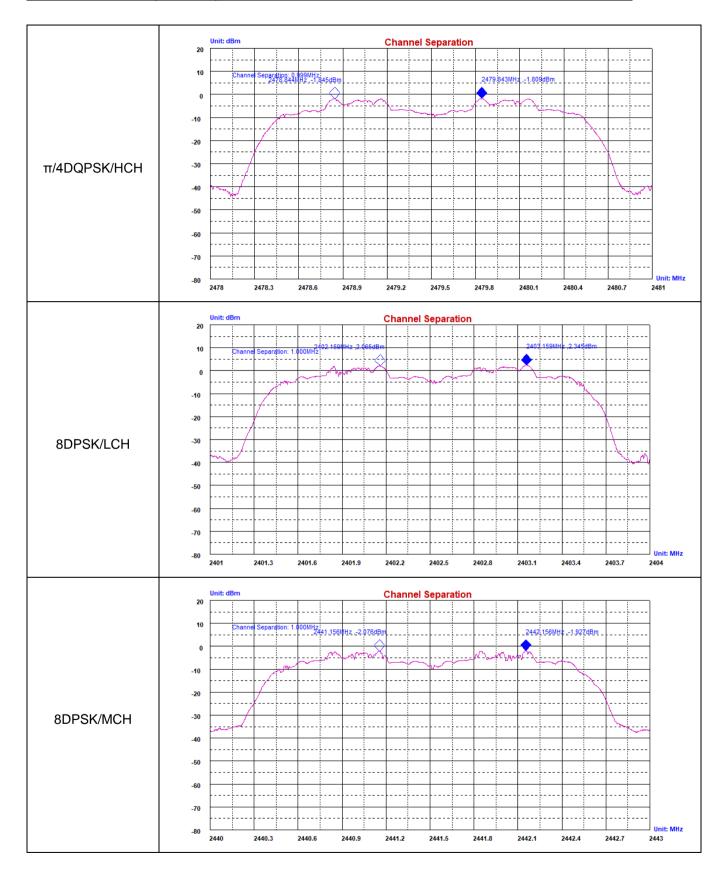


A.3 Carrier Frequency Separation

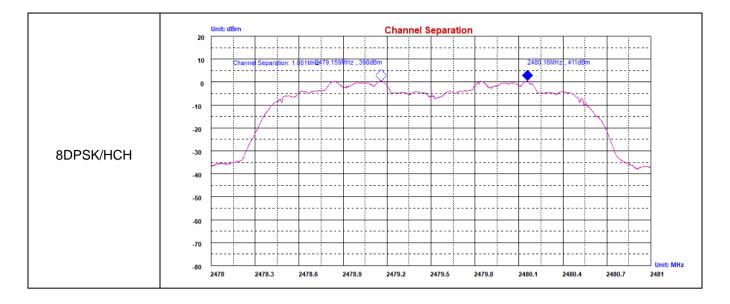
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.996	0.642	PASS
GFSK	MCH	1.004	0.625	PASS
GFSK	HCH	1.007	0.643	PASS
π/4DQPSK	LCH	1.001	0.889	PASS
π/4DQPSK	MCH	1.000	0.899	PASS
π/4DQPSK	HCH	0.999	0.899	PASS
8DPSK	LCH	1.000	0.885	PASS
8DPSK	MCH	1.000	0.896	PASS
8DPSK	HCH	1.001	0.895	PASS







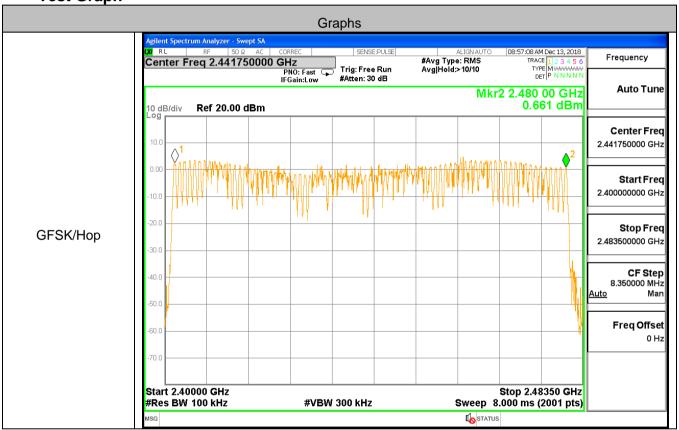
Shenzhen HUAK Testing Technology Co., Ltd. FCC ID: 2AKI8-ONDBTINEAR Report No.: HK1812131871E

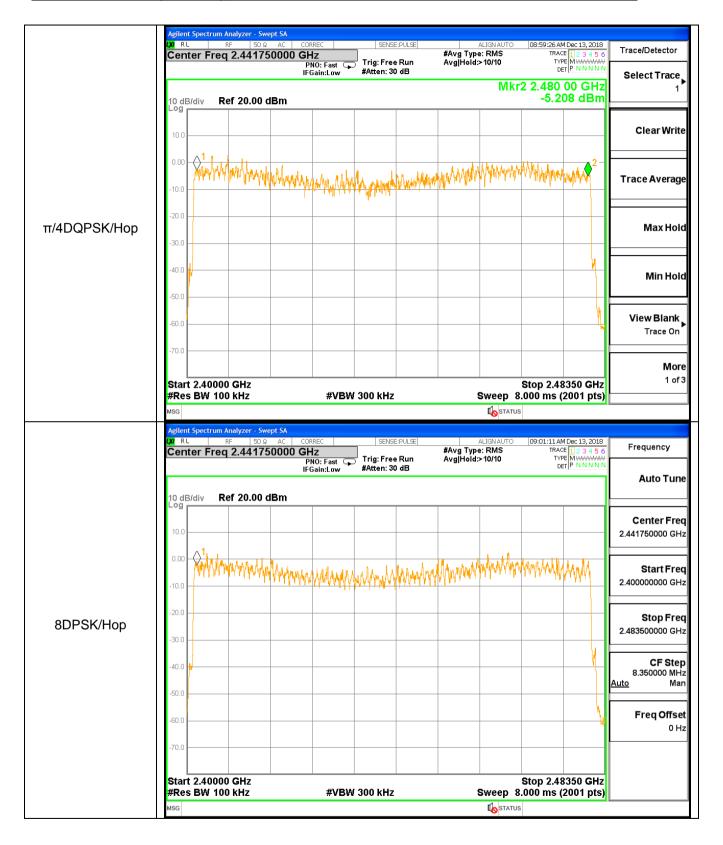


A.4 Hopping Channel Number

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

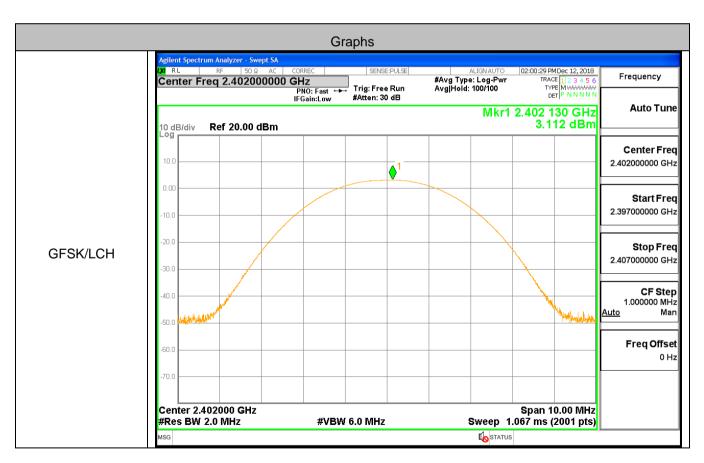


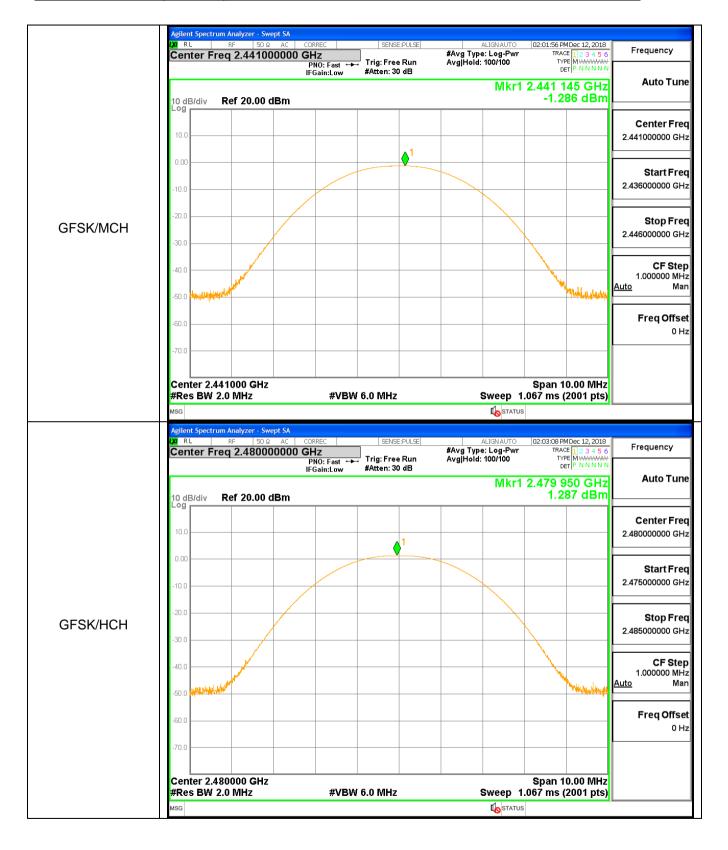


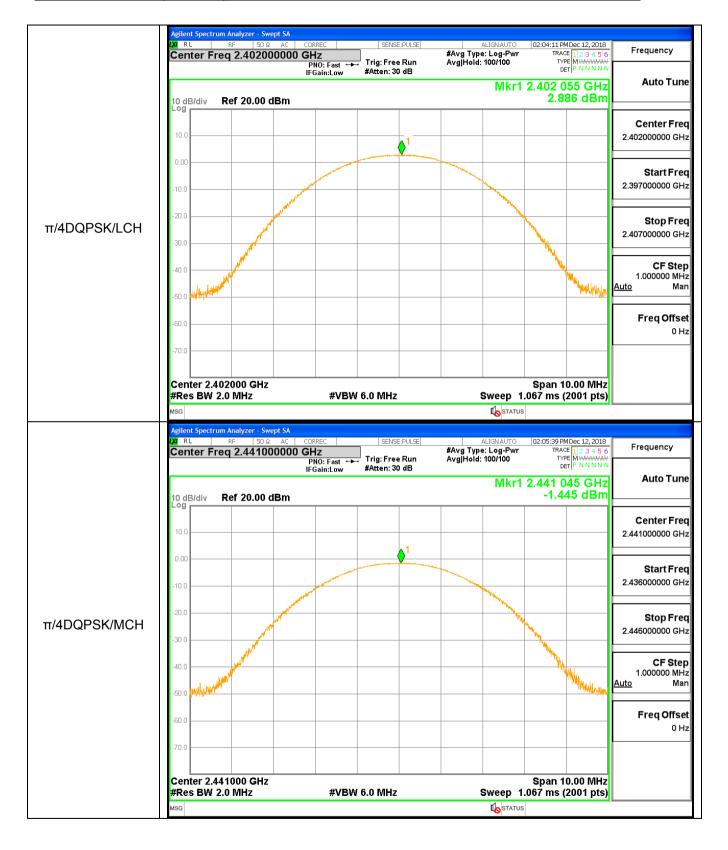


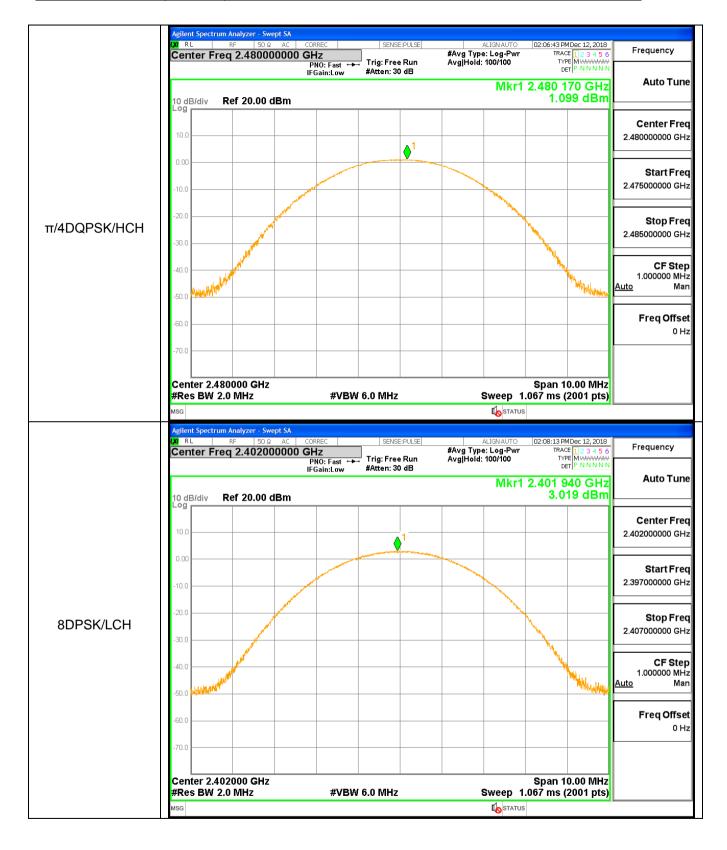
A.5 Conducted Peak Output Power

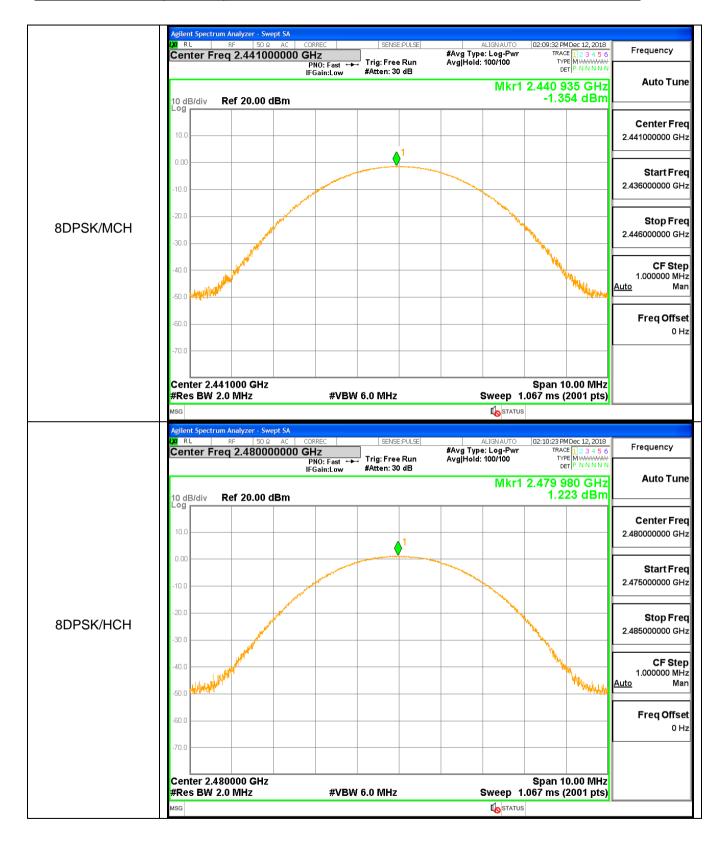
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	3.112	21	PASS
GFSK	MCH	-1.286	21	PASS
GFSK	HCH	1.287	21	PASS
π/4DQPSK	LCH	2.886	21	PASS
π/4DQPSK	MCH	-1.445	21	PASS
π/4DQPSK	НСН	1.099	21	PASS
8DPSK	LCH	3.019	21	PASS
8DPSK	MCH	-1.354	21	PASS
8DPSK	HCH	1.223	21	PASS





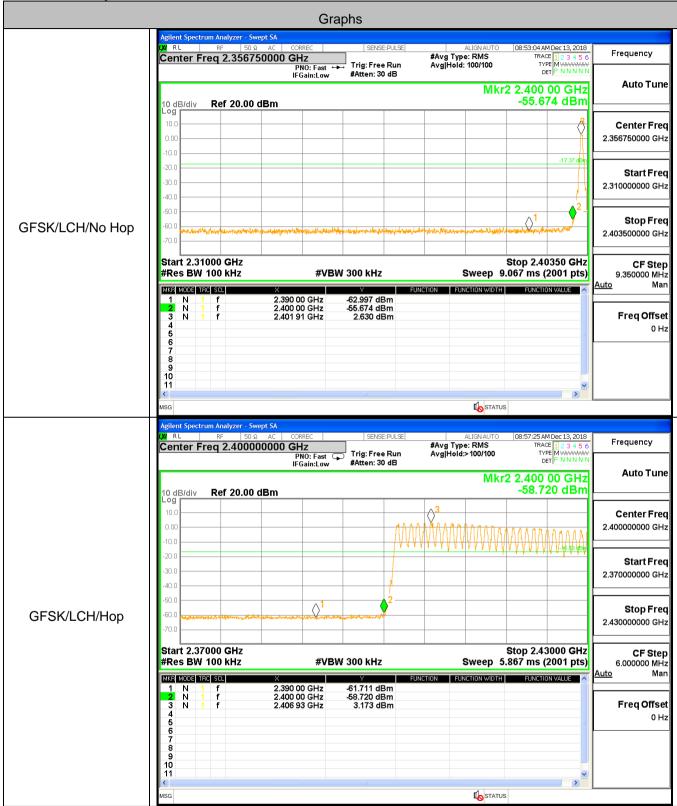


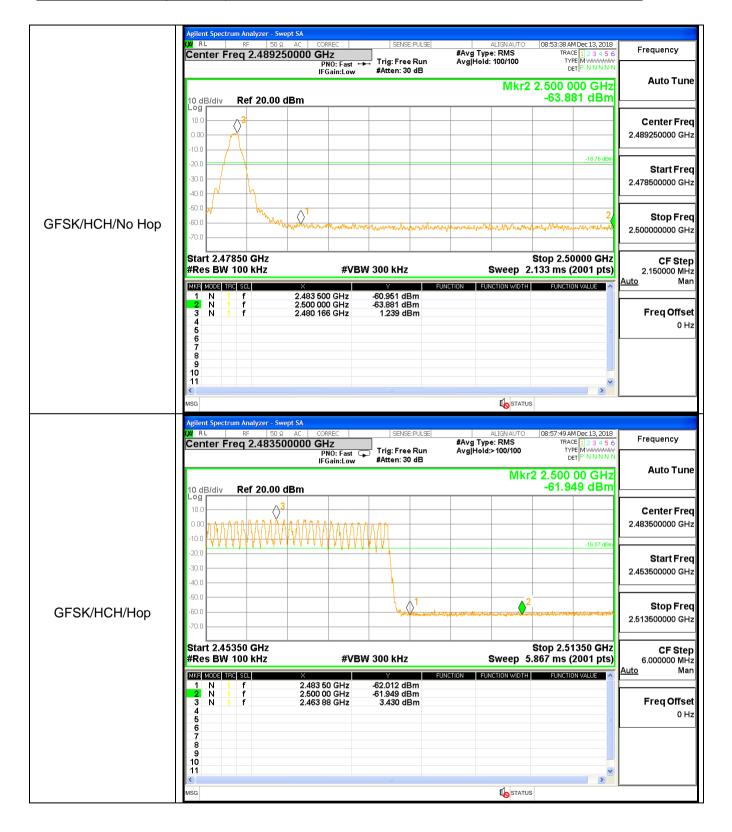


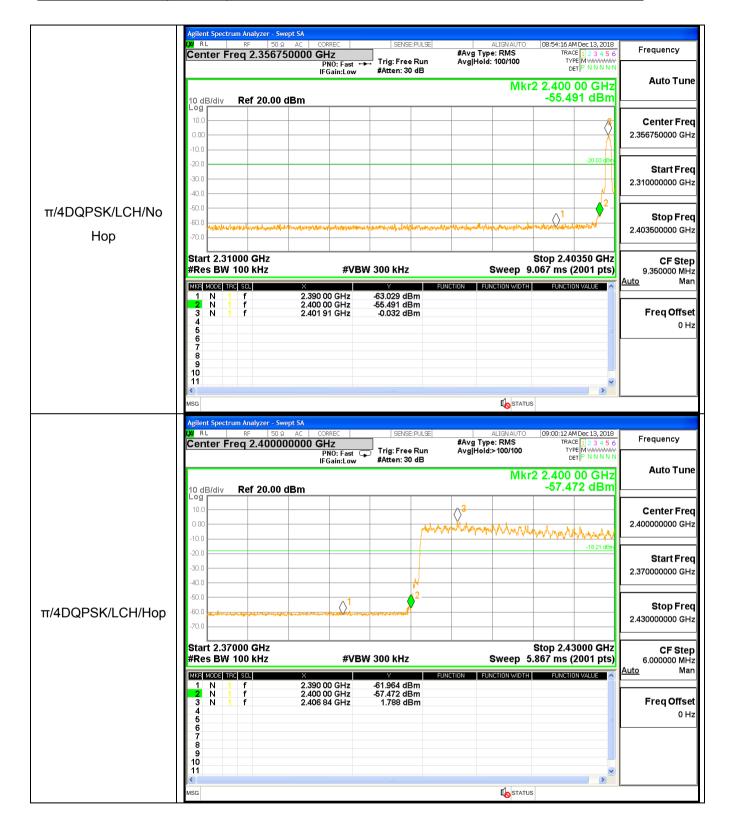


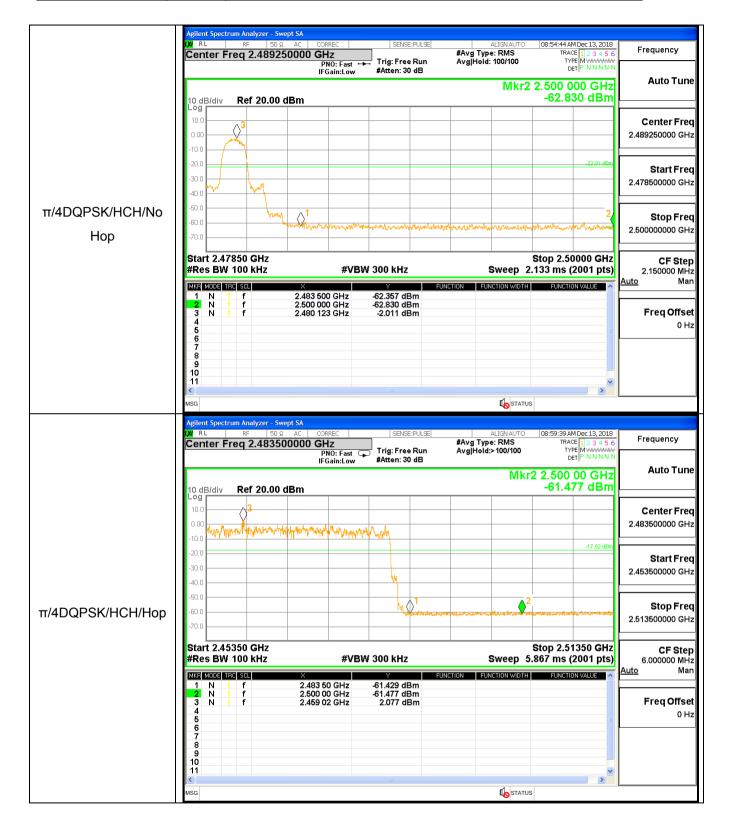
A.6 Band-edge for RF Conducted Emissions

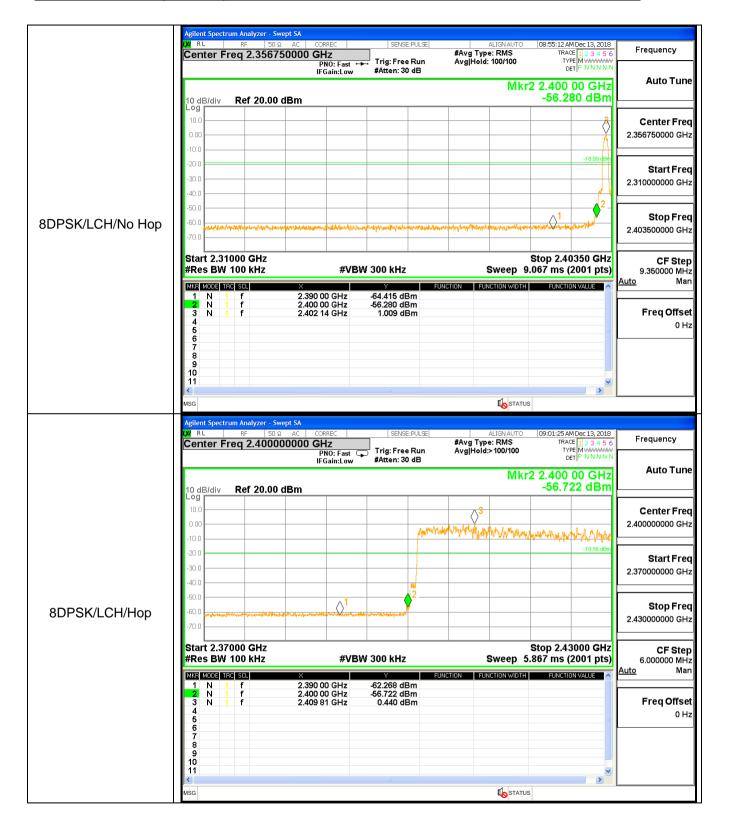
A.o Baria c	uge for KF Con	adoted Ellissi	7113			
Туре	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2390	2.63	-63.00	-17.37	Pass
1DH5	2402	2400	2.63	-55.67	-17.37	Pass
1DH5-Hopping	2402	2390	3.173	-61.71	-16.827	Pass
1DH5-Hopping	2402	2400	3.173	-58.72	-16.827	Pass
1DH5	2480	2483.5	1.239	-60.95	-18.761	Pass
1DH5	2480	2500	1.239	-63.88	-18.761	Pass
1DH5-Hopping	2480	2483.5	3.43	-62.01	-16.57	Pass
1DH5-Hopping	2480	2500	3.43	-61.95	-16.57	Pass
2DH5	2402	2390	-0.032	-63.03	-20.032	Pass
2DH5	2402	2400	-0.032	-55.49	-20.032	Pass
2DH5-Hopping	2480	2483.5	2.077	-61.43	-17.923	Pass
2DH5-Hopping	2480	2500	2.077	-61.48	-17.923	Pass
2DH5	2480	2483.5	-2.011	-62.36	-22.011	Pass
2DH5	2480	2500	-2.011	-62.83	-22.011	Pass
2DH5-Hopping	2402	2390	1.788	-61.96	-18.212	Pass
2DH5-Hopping	2402	2400	1.788	-58.64	-18.212	Pass
3DH5	2402	2390	1.009	-64.42	-18.991	Pass
3DH5	2402	2400	1.009	-56.28	-18.991	Pass
3DH5-Hopping	2402	2390	0.44	-62.27	-19.56	Pass
3DH5-Hopping	2402	2400	0.44	-56.72	-19.56	Pass
3DH5	2480	2483.5	-1.804	-58.14	-21.804	Pass
3DH5	2480	2500	-1.804	-62.36	-21.804	Pass
3DH5-Hopping	2480	2483.5	0.745	-61.55	-19.255	Pass
3DH5-Hopping	2480	2500	0.745	-61.34	-19.255	Pass

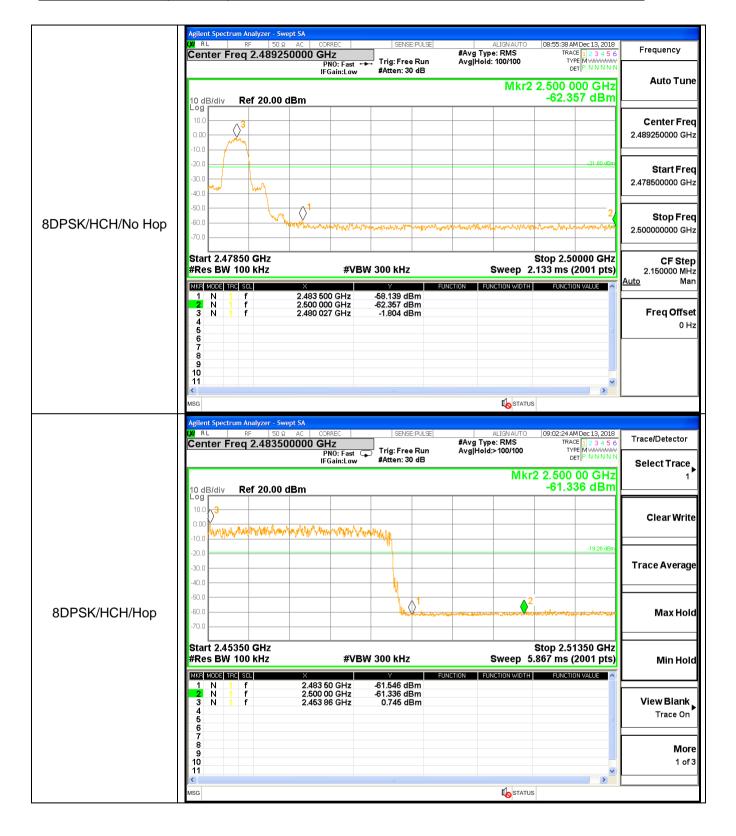




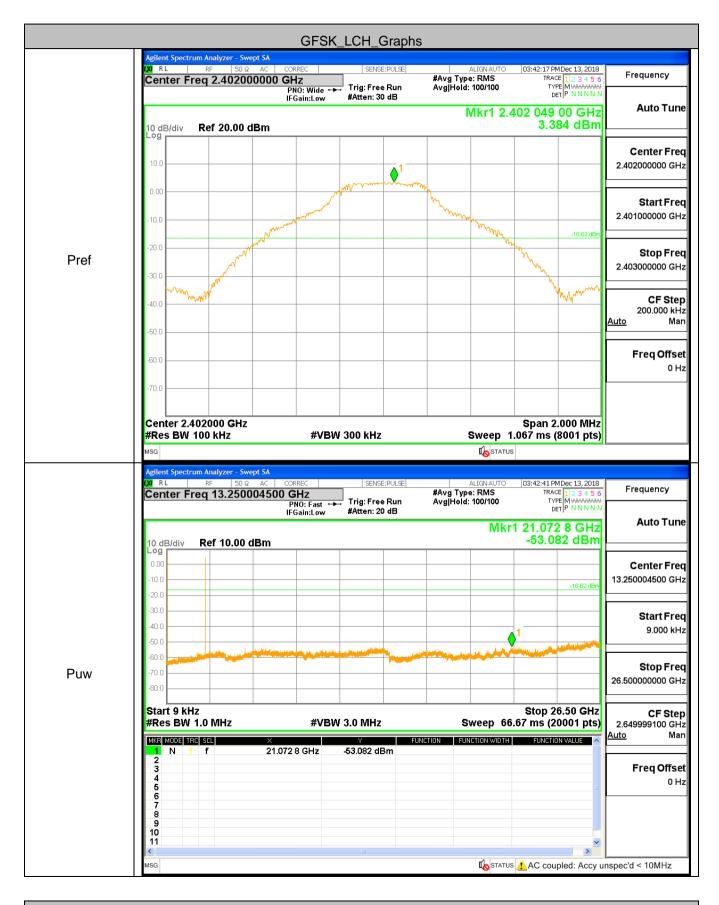




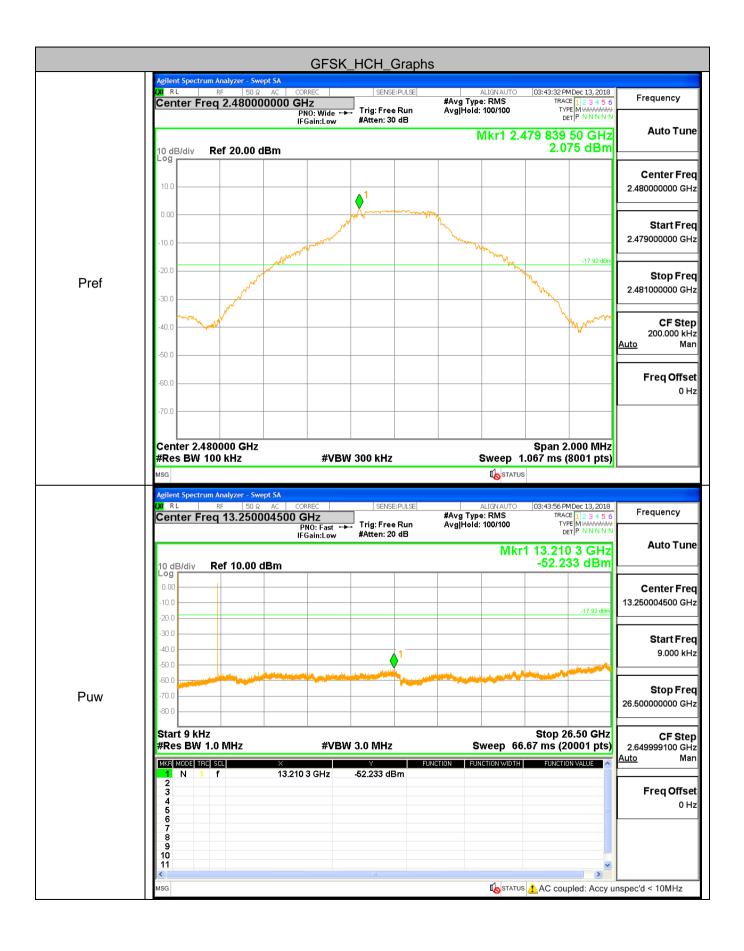


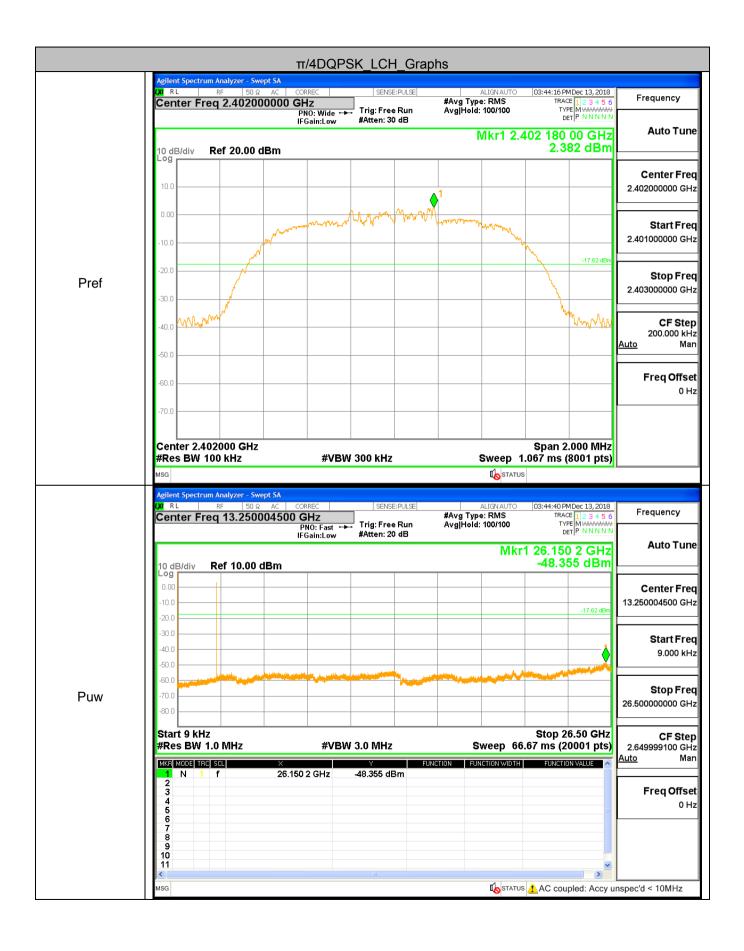


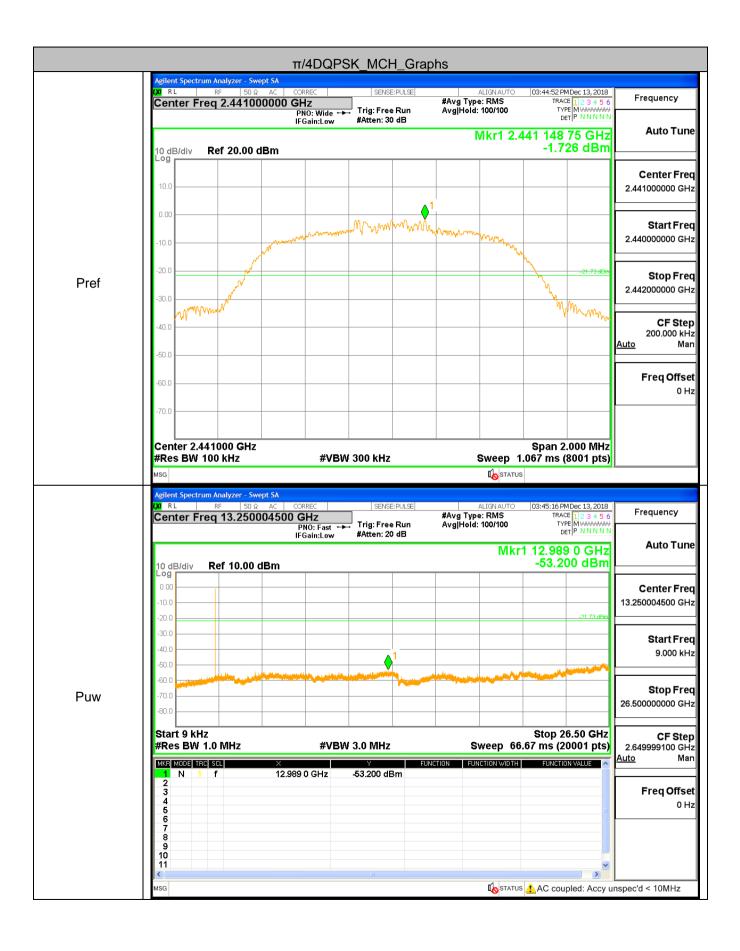
A.7 RF Conducted Spurious Emissions Test Graph

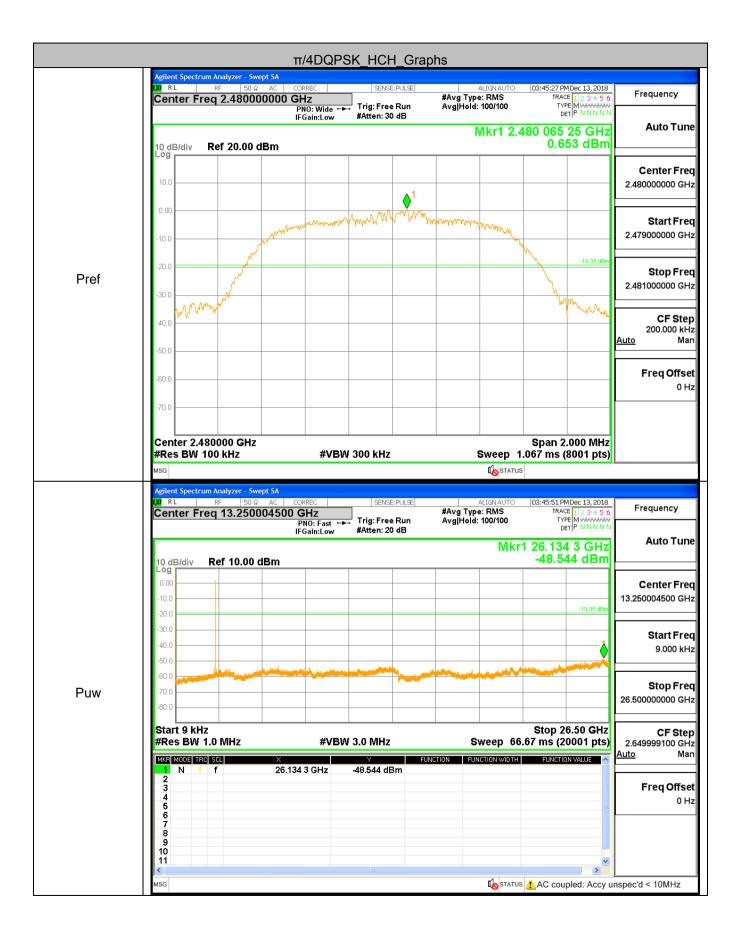


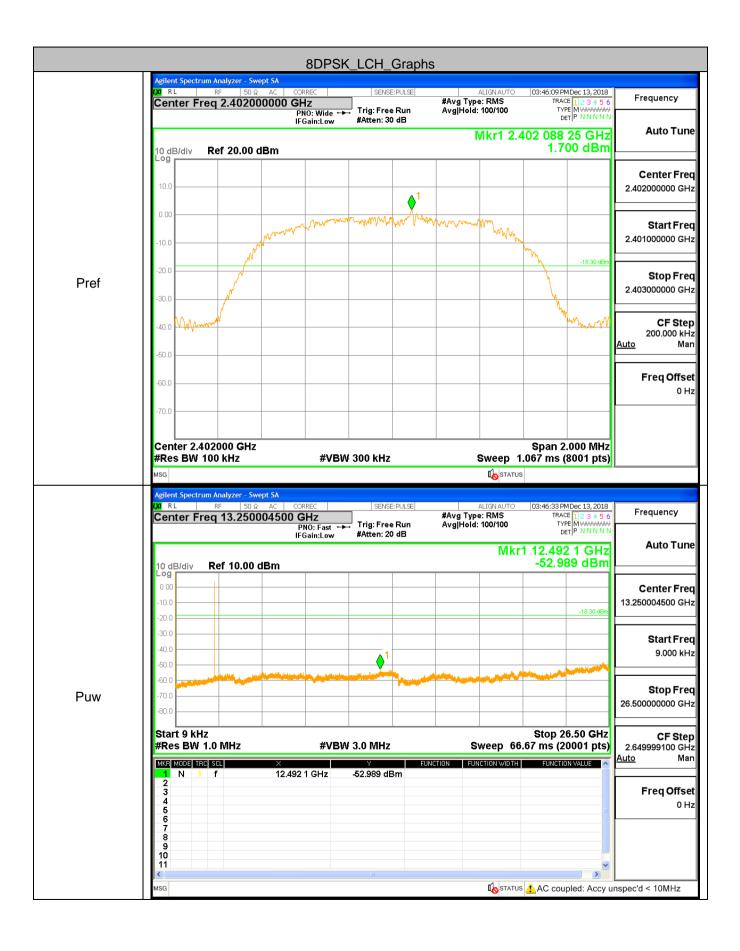


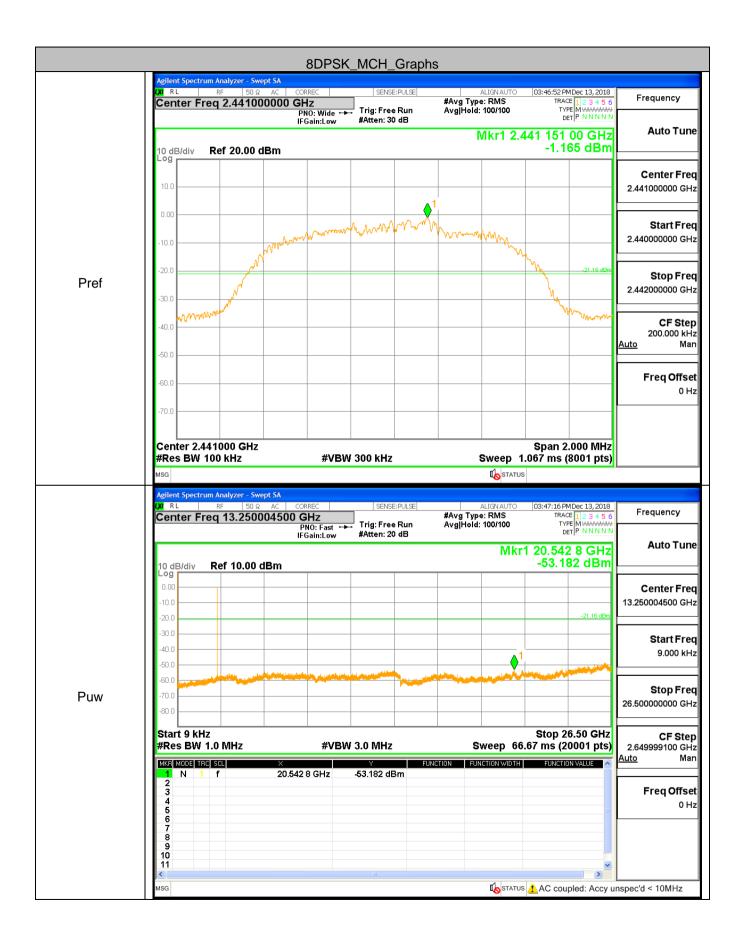


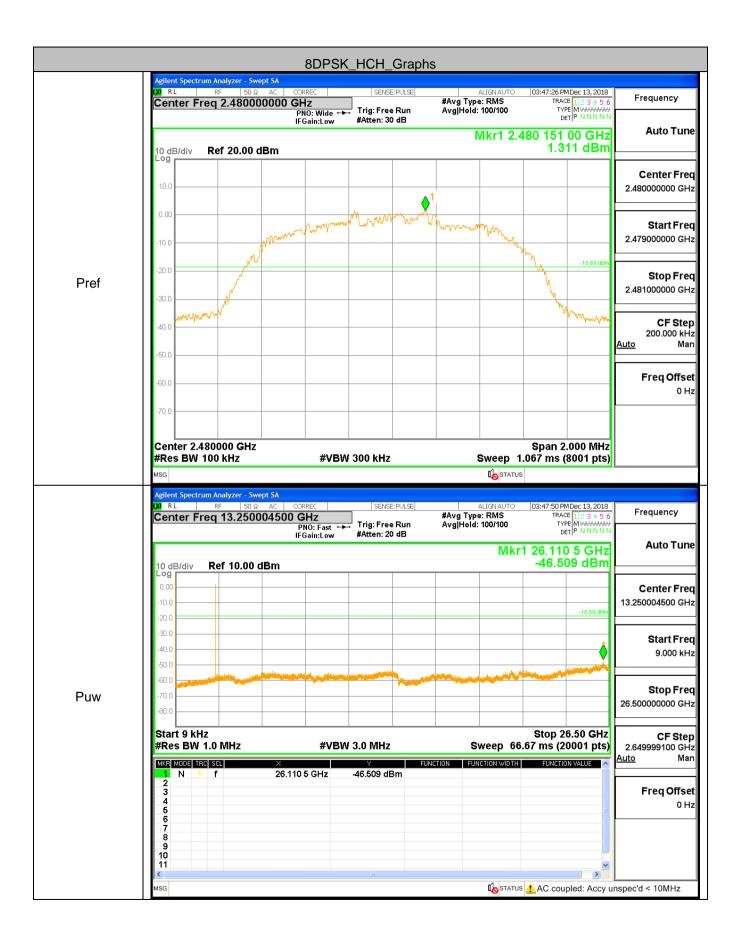












A.8 Restrict-band band-edge measurements

	Alo Restrict band band edge medsarements										
Туре	Carrier Frequenc y (MHz)	Frequency(MH z)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusi on
1DH5	2402	2310	2.00	0.00	-53.92	43.28	74	-61.04	36.16	54	Pass
1DH5	2402	2390	2.00	0.00	-52.93	44.27	74	-60.62	36.58	54	Pass
1DH5	2480	2483.5	2.00	0.00	-50.26	46.94	74	-57.4	39.8	54	Pass
1DH5	2480	2500	2.00	0.00	-53.35	43.85	74	-60.23	36.97	54	Pass
2DH5	2402	2310	2.00	0.00	-53.94	43.26	74	-61.02	36.18	54	Pass
2DH5	2402	2390	2.00	0.00	-54.9	42.3	74	-60.59	36.61	54	Pass
2DH5	2480	2483.5	2.00	0.00	-51.62	45.58	74	-56.47	40.73	54	Pass
2DH5	2480	2500	2.00	0.00	-53.1	44.1	74	-60.22	36.98	54	Pass
3DH5	2402	2310	2.00	0.00	-53.35	43.85	74	-61.03	36.17	54	Pass
3DH5	2402	2390	2.00	0.00	-54.2	43	74	-60.6	36.6	54	Pass
3DH5	2480	2483.5	2.00	0.00	-47.49	49.71	74	-56.57	40.63	54	Pass
3DH5	2480	2500	2.00	0.00	-53.68	43.52	74	-60.22	36.98	54	Pass

