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

Product Name: Bluetooth Headphones Trade Mark: Muze, Vivitar

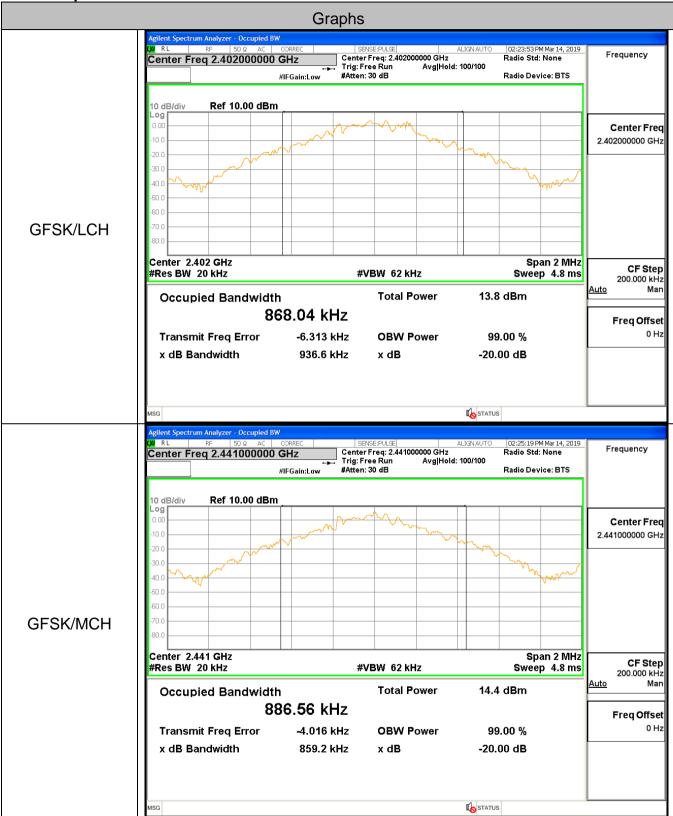
> Test Model: MUZ4001 FCC ID: 2AL9B-MUZ4001

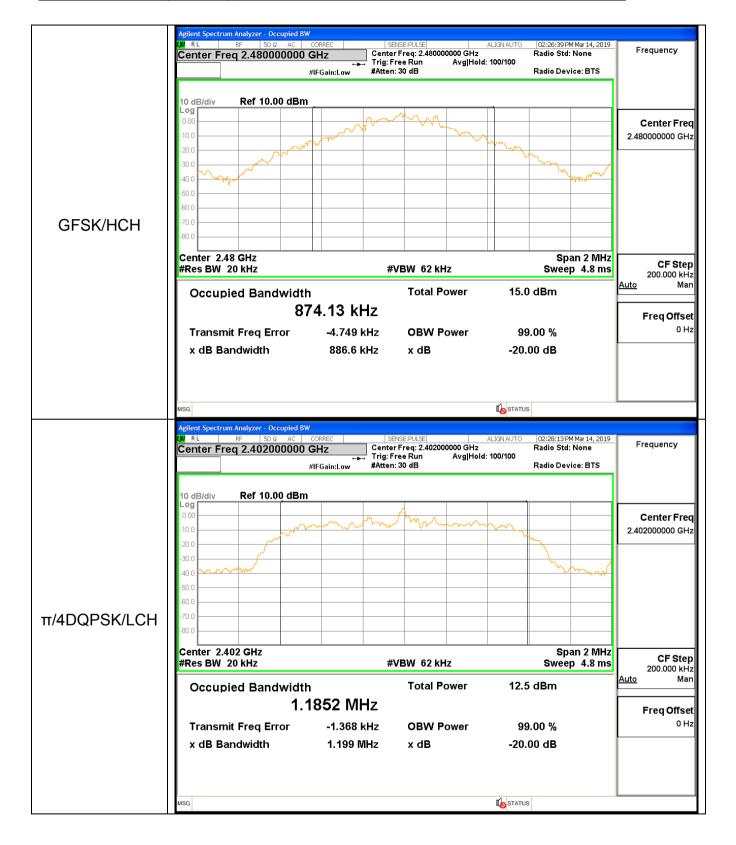
Environmental Conditions

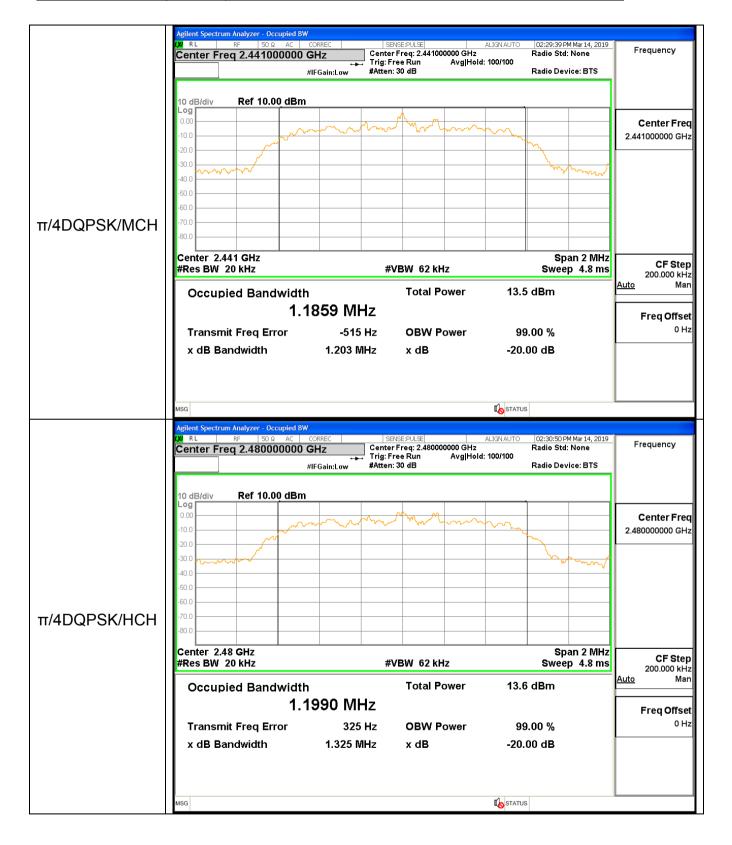
Temperature:	22.5 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

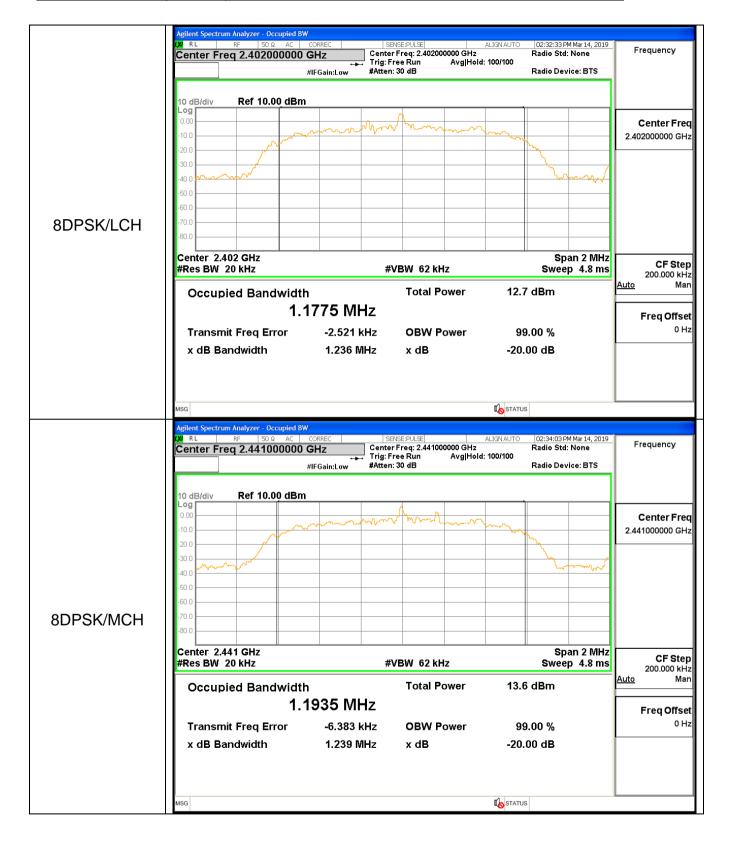
A.1 20 dB Bandwidth

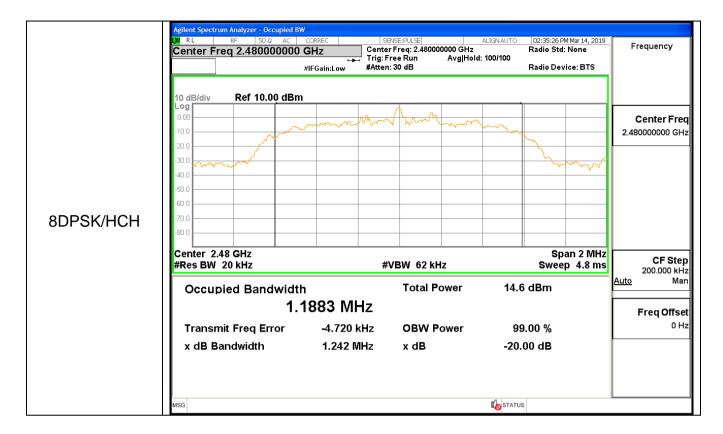
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.937	Not Specified	PASS
GFSK	MCH	0.859	Not Specified	PASS
GFSK	HCH	0.887	Not Specified	PASS
π/4DQPSK	LCH	1.199	Not Specified	PASS
π/4DQPSK	MCH	1.203	Not Specified	PASS
π/4DQPSK	HCH	1.325	Not Specified	PASS
8DPSK	LCH	1.236	Not Specified	PASS
8DPSK	MCH	1.239	Not Specified	PASS
8DPSK	HCH	1.242	Not Specified	PASS





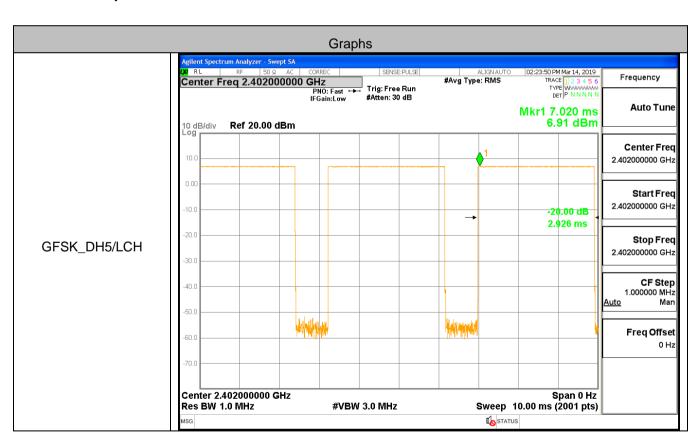


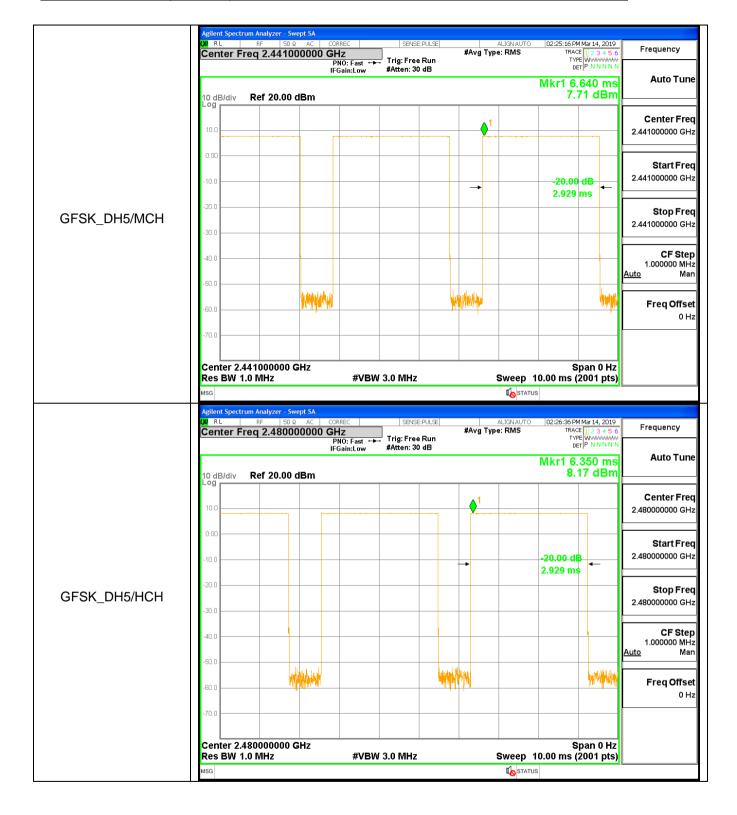


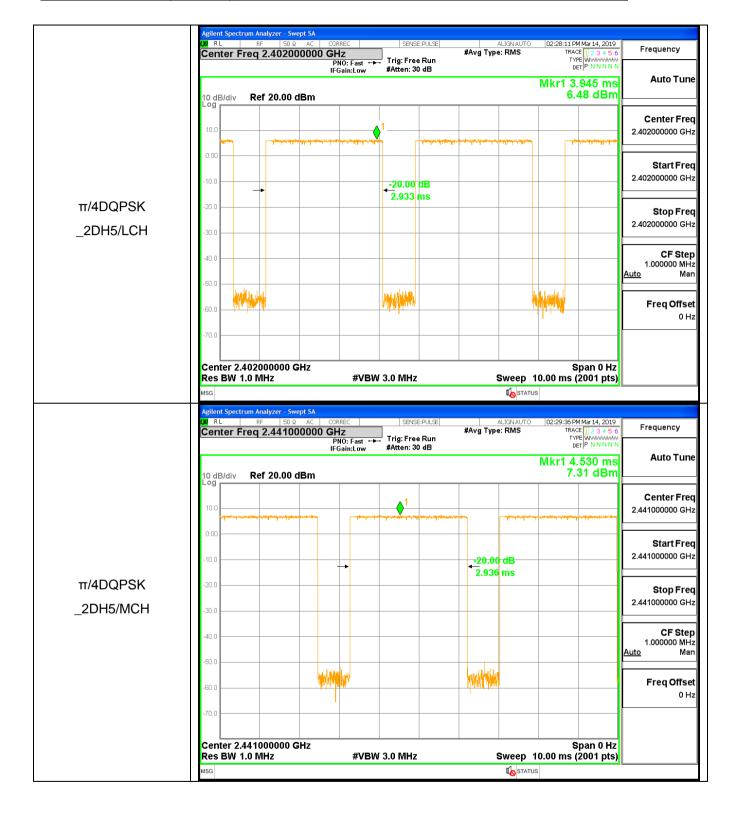


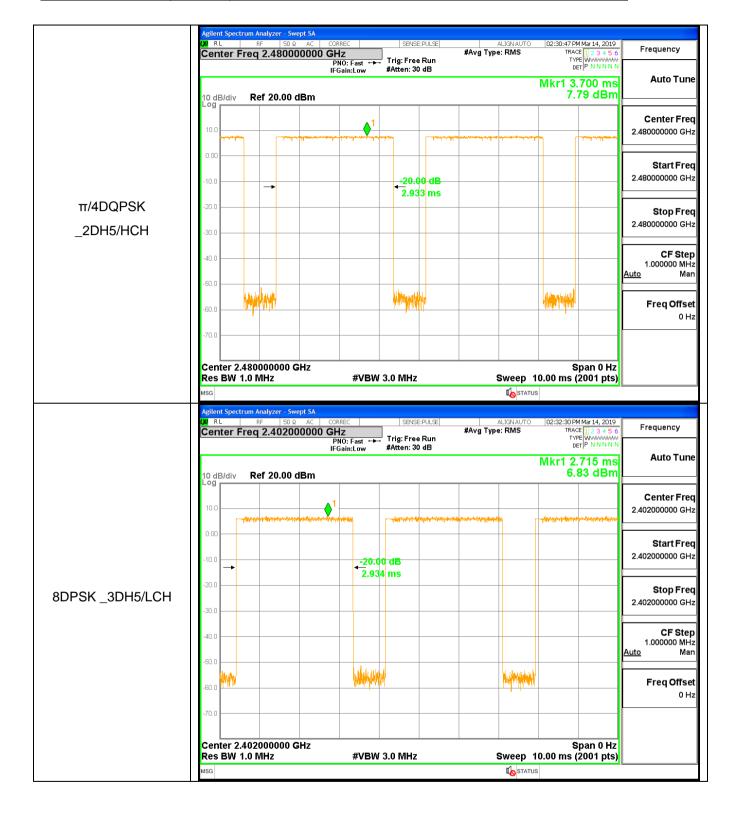
A.2 Dwell Time

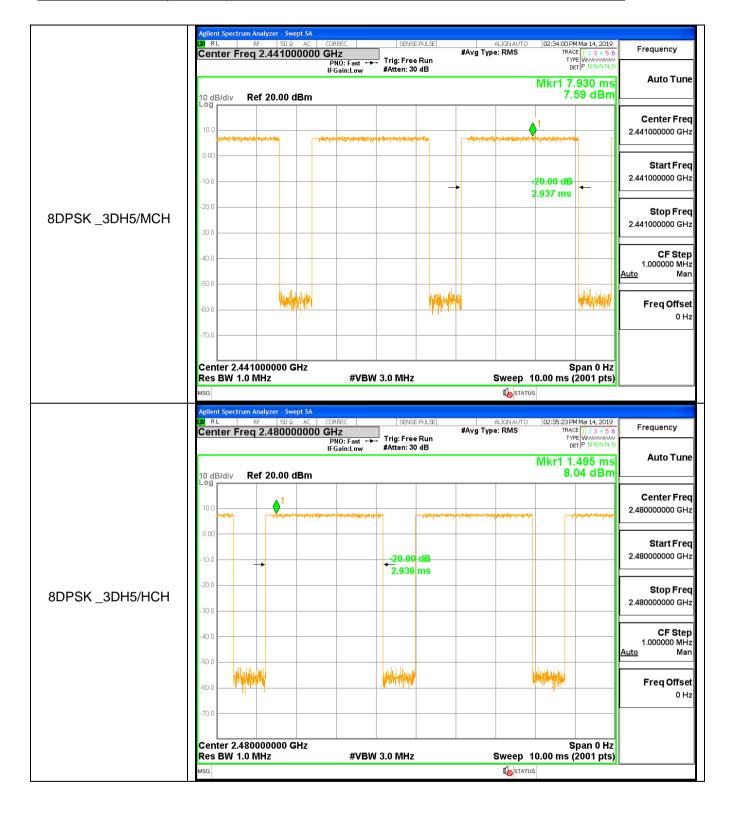
Mode	Packet	Chann el	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdic t
GFSK	DH5	LCH	0.002926	106.7	0.312195	0.4	PASS
GFSK	DH5	МСН	0.002929	106.7	0.312485	0.4	PASS
GFSK	DH5	НСН	HCH 0.002929 106.7 0.312488		0.312488	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002933	106.7	0.312953	0.4	PASS
π/4DQPSK	2DH5	МСН	0.002936	106.7	0.313289	0.4	PASS
π/4DQPSK	2DH5	НСН	0.002933	106.7	0.312966	0.4	PASS
8DPSK	3DH5	LCH	0.002934	106.7	0.313076	0.4	PASS
8DPSK	3DH5	МСН	0.002937	106.7	0.313326	0.4	PASS
8DPSK	3DH5	НСН	0.002936	106.7	0.313249	0.4	PASS





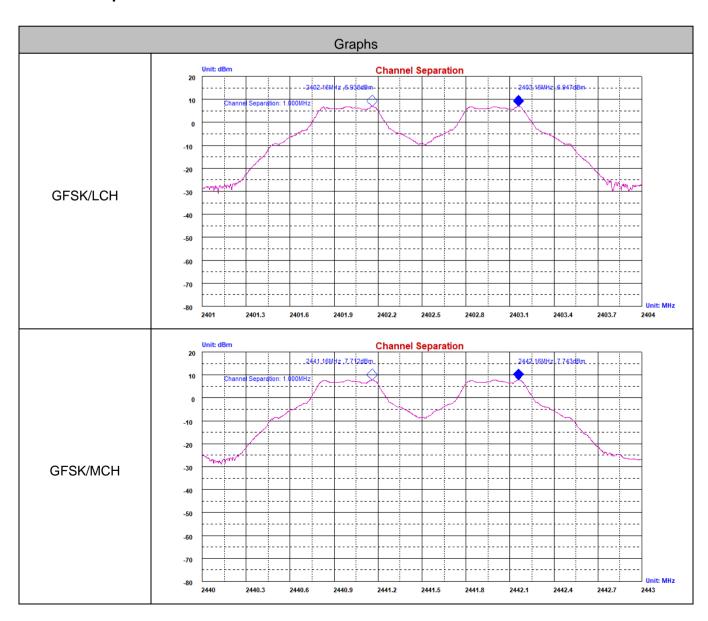


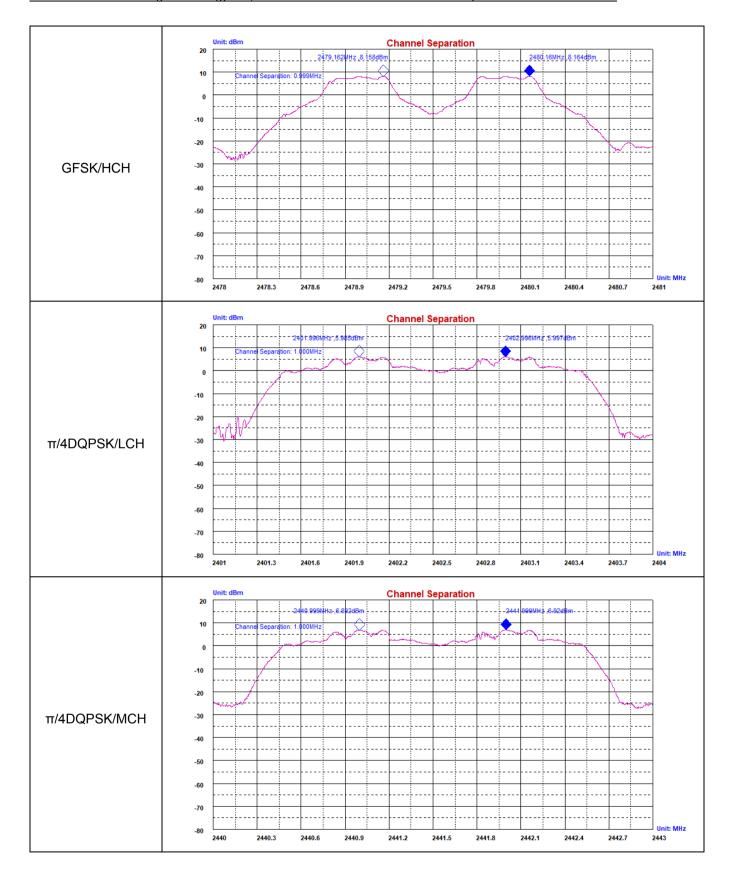


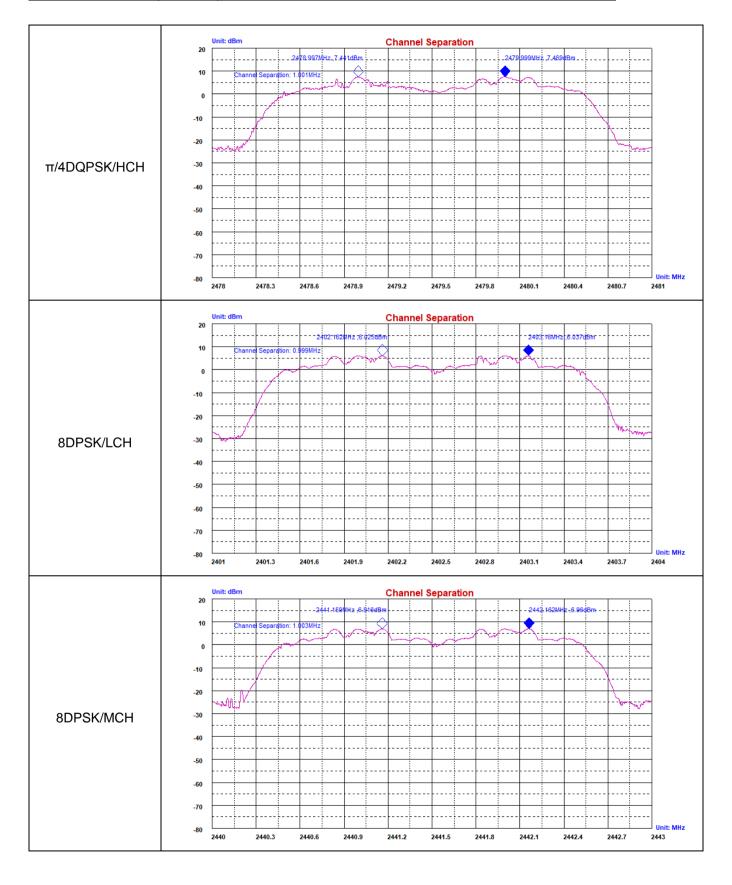


A.3 Carrier Frequency Separation

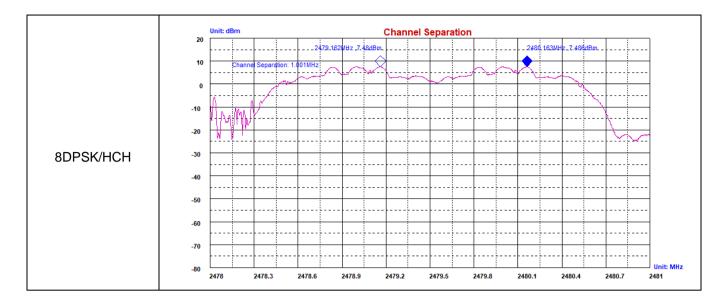
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.000	0.625	PASS
GFSK	MCH	1.000	0.573	PASS
GFSK	HCH	0.999	0.591	PASS
π/4DQPSK	LCH	1.000	0.799	PASS
π/4DQPSK	MCH	1.000	0.802	PASS
π/4DQPSK	HCH	1.001	0.883	PASS
8DPSK	LCH	0.999	0.824	PASS
8DPSK	MCH	1.003	0.826	PASS
8DPSK	HCH	1.001	0.828	PASS







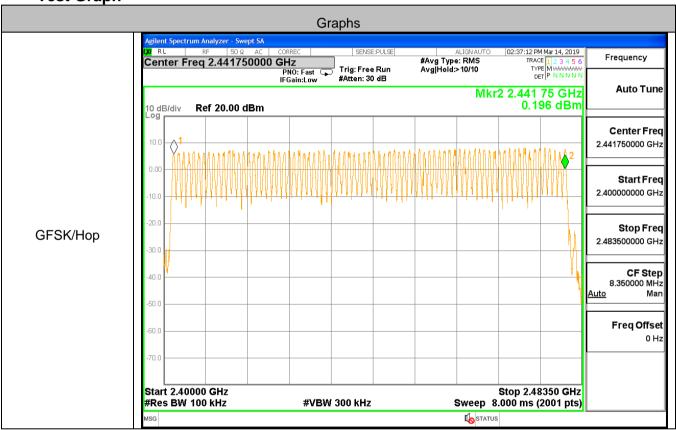
Shenzhen HUAK Testing Technology Co., Ltd. FCC ID: 2AL9B-MUZ4001 Report No.: HK1903110426-E



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

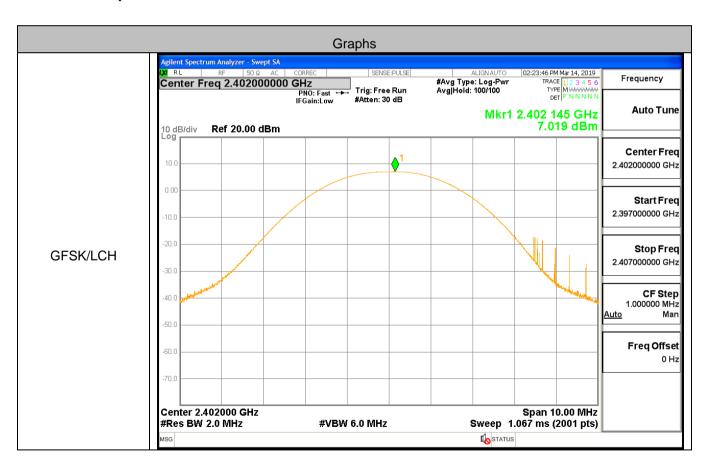




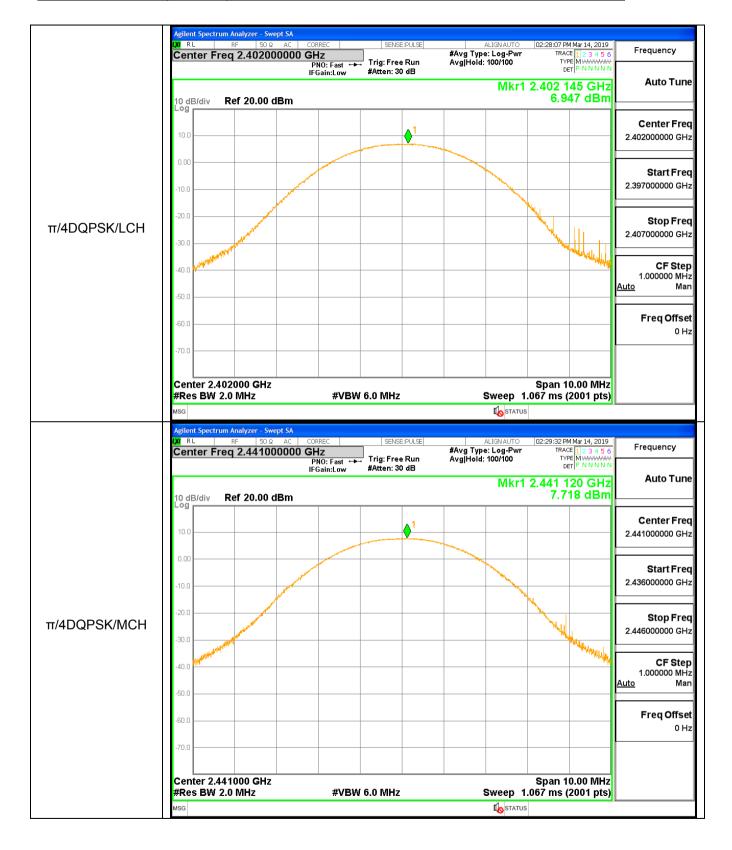


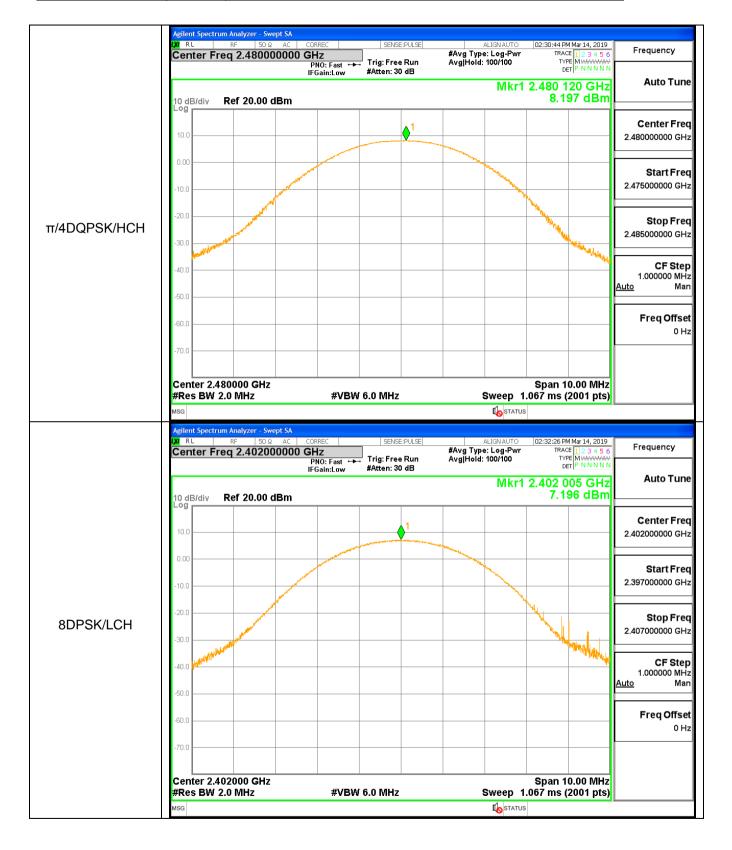
A.5 Conducted Peak Output Power

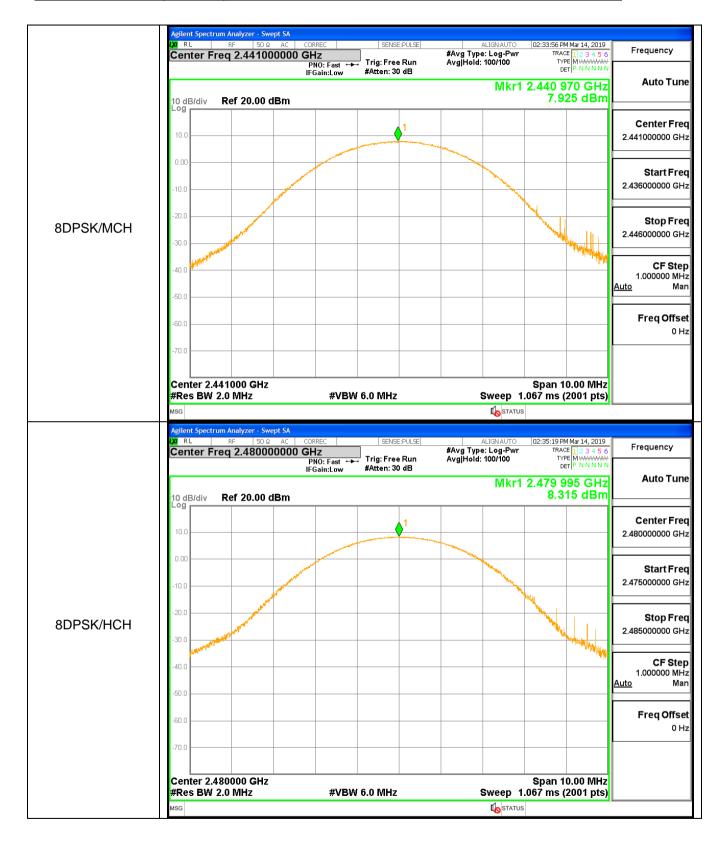
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	7.019	21	PASS
GFSK	MCH	7.801	21	PASS
GFSK	НСН	8.221	21	PASS
π/4DQPSK	LCH	6.947	21	PASS
π/4DQPSK	MCH	7.718	21	PASS
π/4DQPSK	НСН	8.197	21	PASS
8DPSK	LCH	7.196	21	PASS
8DPSK	MCH	7.925	21	PASS
8DPSK	НСН	8.315	21	PASS





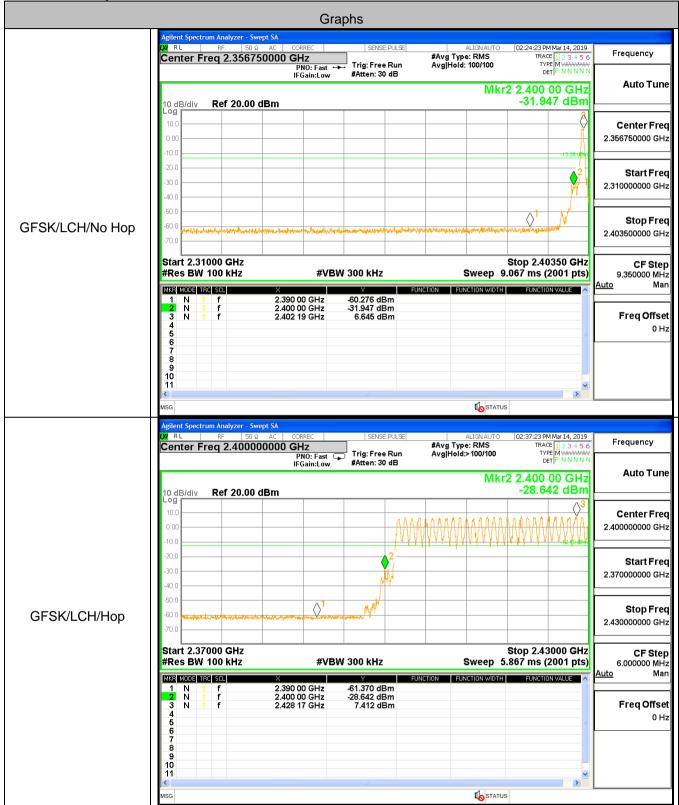


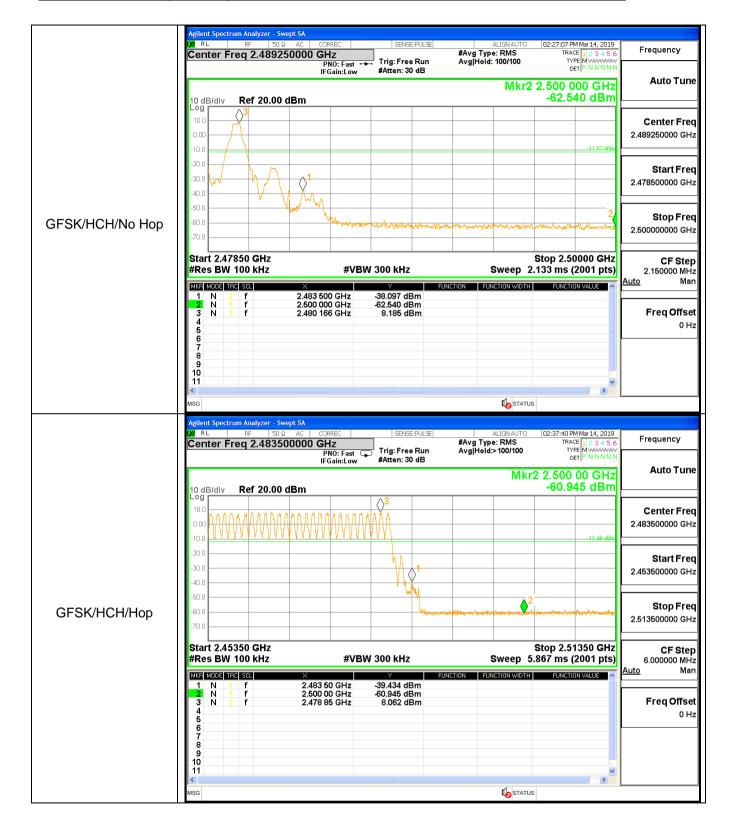


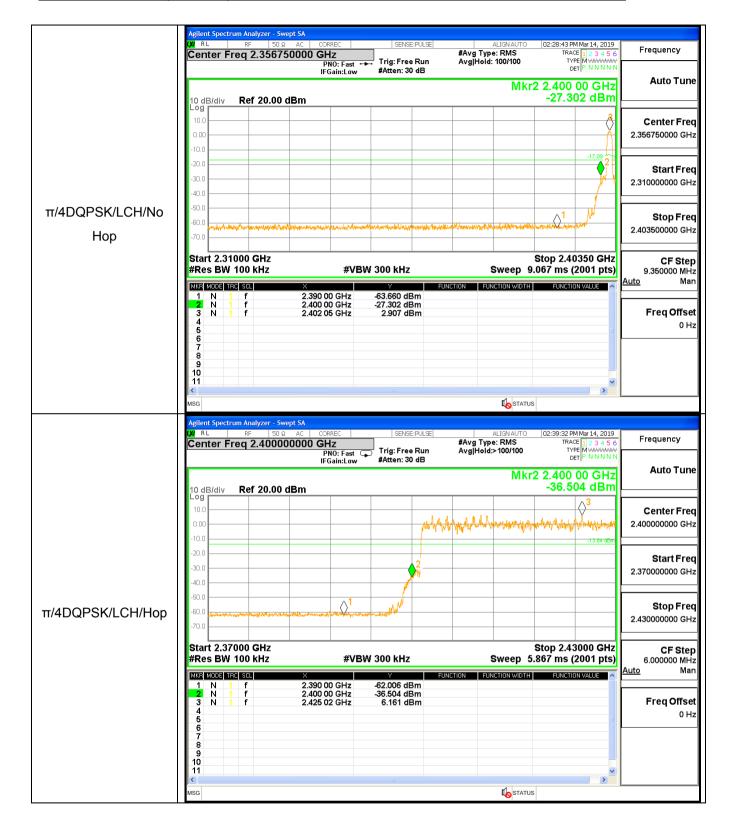


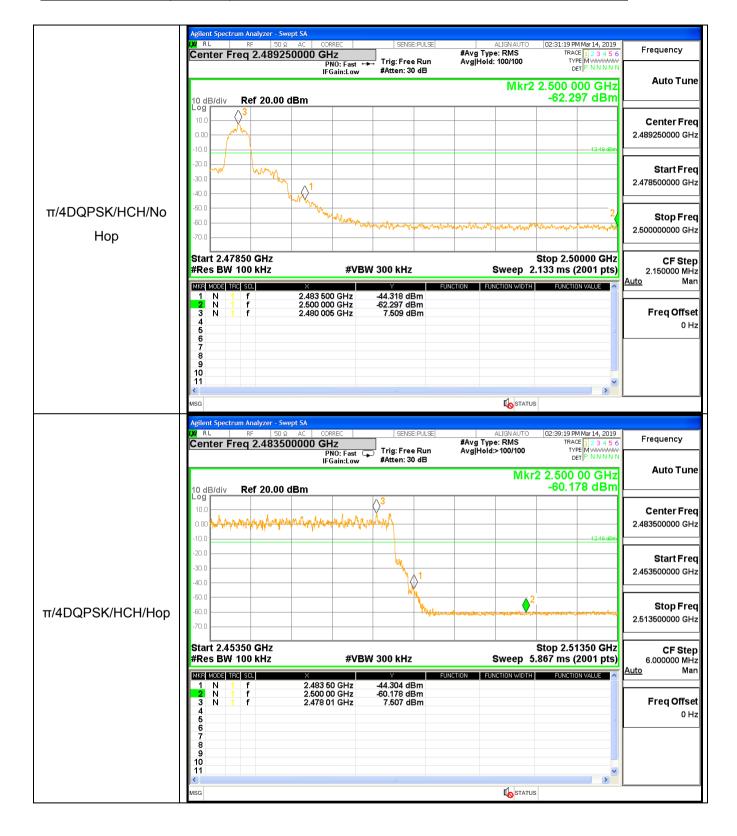
A.6 Band-edge for RF Conducted Emissions

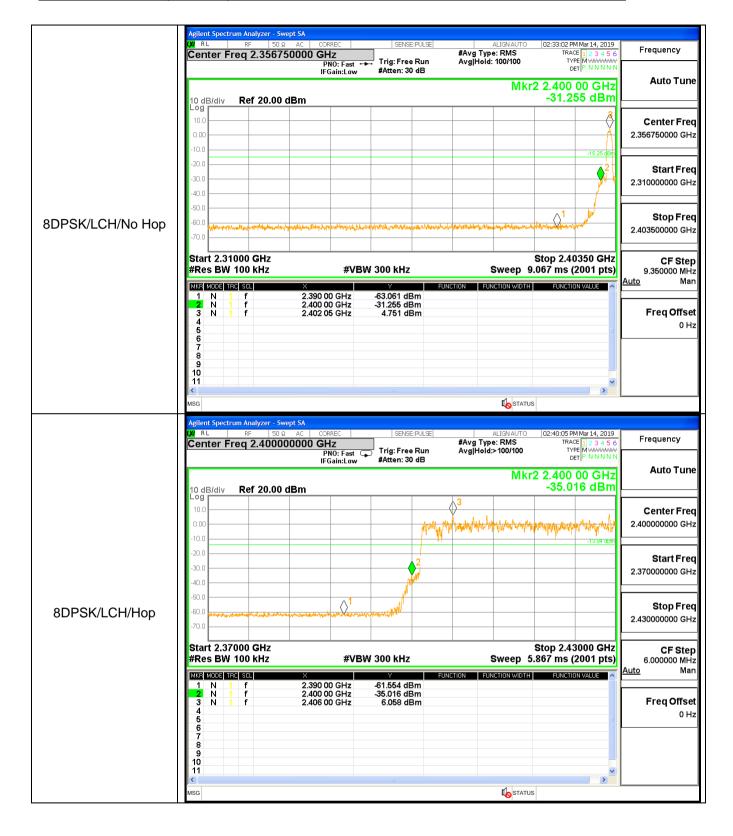
A.o Band-edge for RF Conducted Emissions								
Туре	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion		
1DH5	2402	2390	6.65	-60.28	-13.36	Pass		
1DH5	2402	2400	6.65	-31.95	-13.36	Pass		
1DH5-Hopping	2402	2390	7.41	-61.37	-12.59	Pass		
1DH5-Hopping	2402	2400	7.41	-28.64	-12.59	Pass		
1DH5	2480	2483.5	8.19	-38.10	-11.82	Pass		
1DH5	2480	2500	8.19	-62.54	-11.82	Pass		
1DH5-Hopping	2480	2483.5	8.06	-39.43	-11.94	Pass		
1DH5-Hopping	2480	2500	8.06	-60.94	-11.94	Pass		
2DH5	2402	2390	2.91	-63.66	-17.09	Pass		
2DH5	2402	2400	2.91	-27.30	-17.09	Pass		
2DH5-Hopping	2480	2483.5	7.51	-44.30	-12.49	Pass		
2DH5-Hopping	2480	2500	7.51	-60.18	-12.49	Pass		
2DH5	2480	2483.5	7.51	-44.32	-12.49	Pass		
2DH5	2480	2500	7.51	-62.30	-12.49	Pass		
2DH5-Hopping	2402	2390	6.16	-62.01	-13.84	Pass		
2DH5-Hopping	2402	2400	6.16	-36.50	-13.84	Pass		
3DH5	2402	2390	4.75	-63.06	-15.25	Pass		
3DH5	2402	2400	4.75	-31.26	-15.25	Pass		
3DH5-Hopping	2402	2390	6.06	-61.55	-13.94	Pass		
3DH5-Hopping	2402	2400	6.06	-35.02	-13.94	Pass		
3DH5	2480	2483.5	7.54	-41.50	-12.47	Pass		
3DH5	2480	2500	7.54	-61.97	-12.47	Pass		
3DH5-Hopping	2480	2483.5	7.51	-40.88	-12.49	Pass		
3DH5-Hopping	2480	2500	7.51	-60.85	-12.49	Pass		

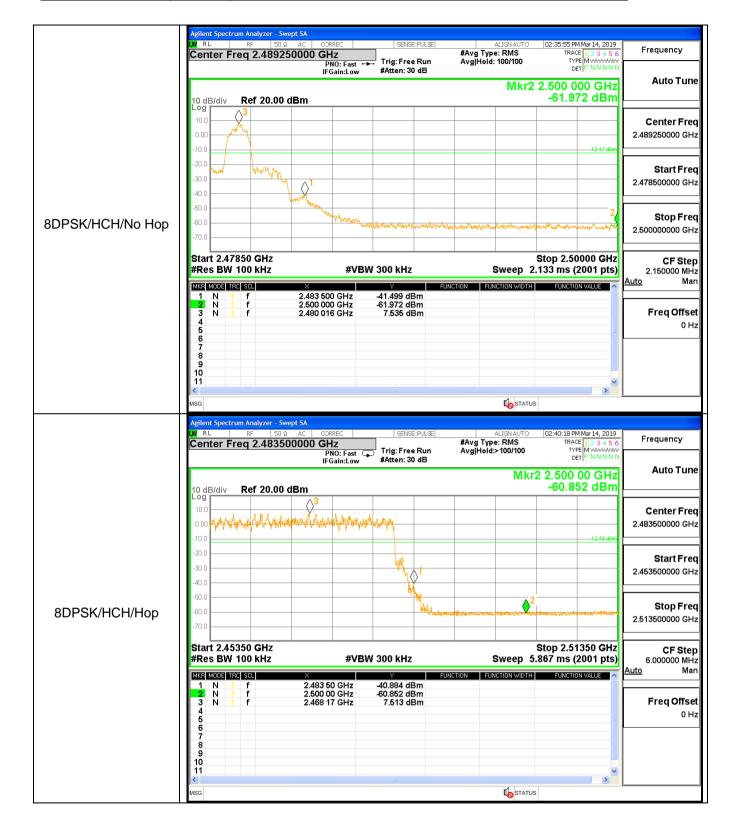




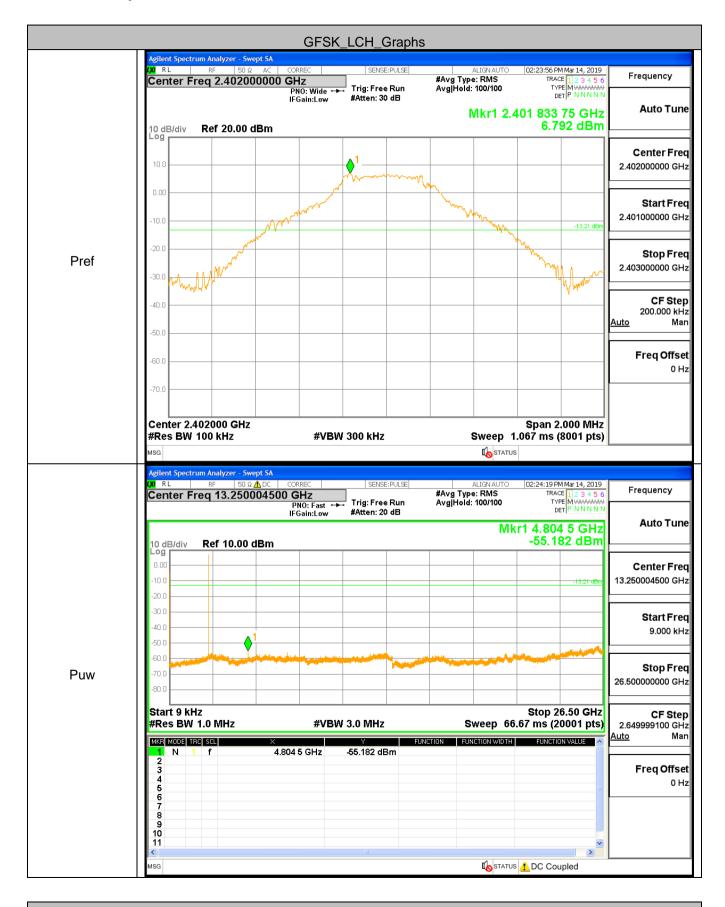


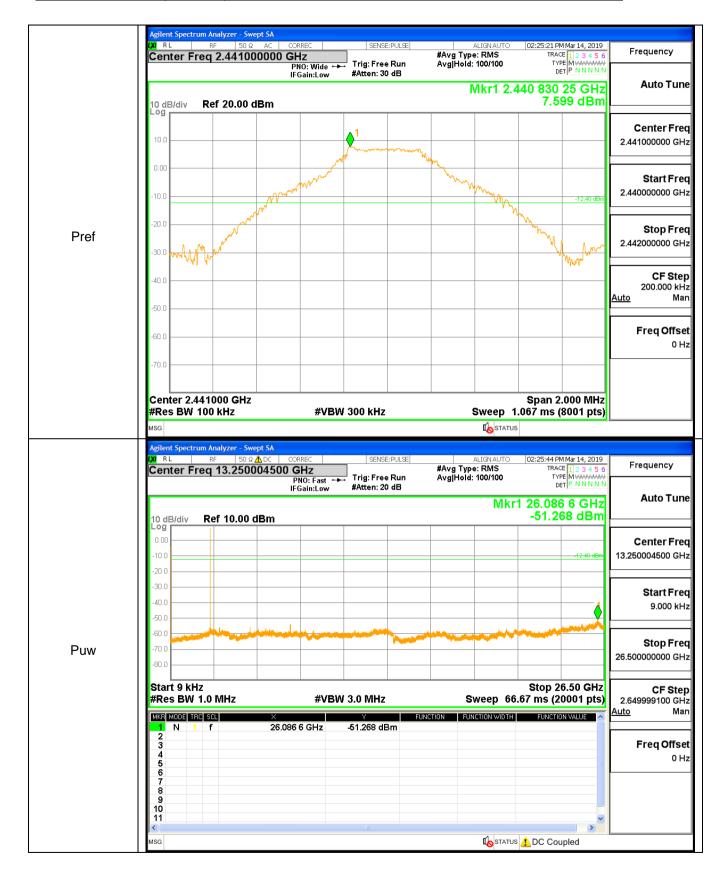


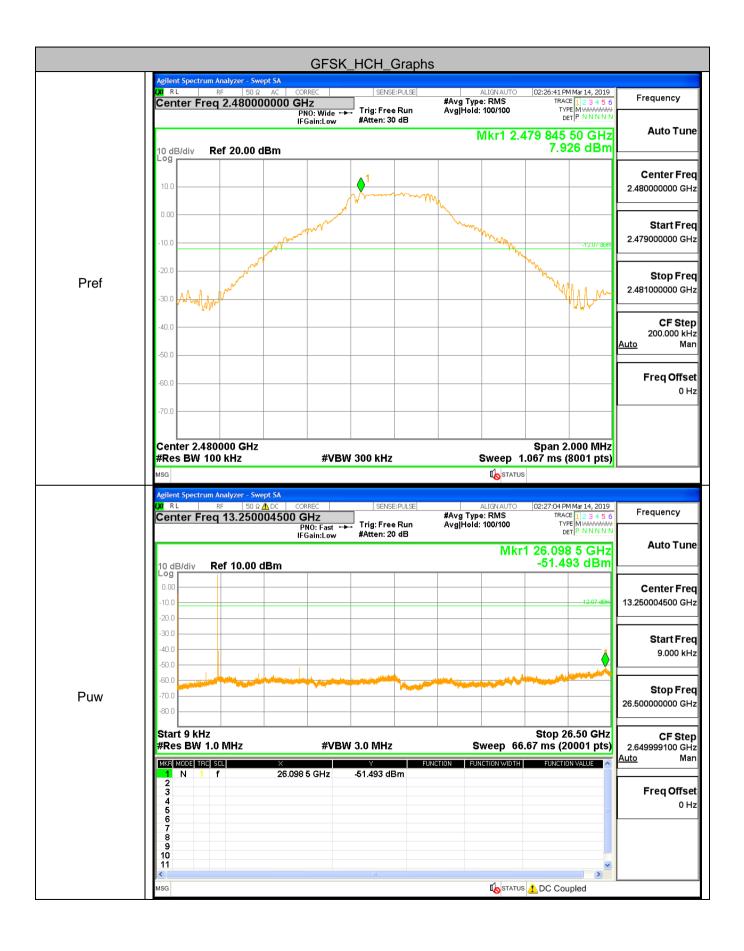


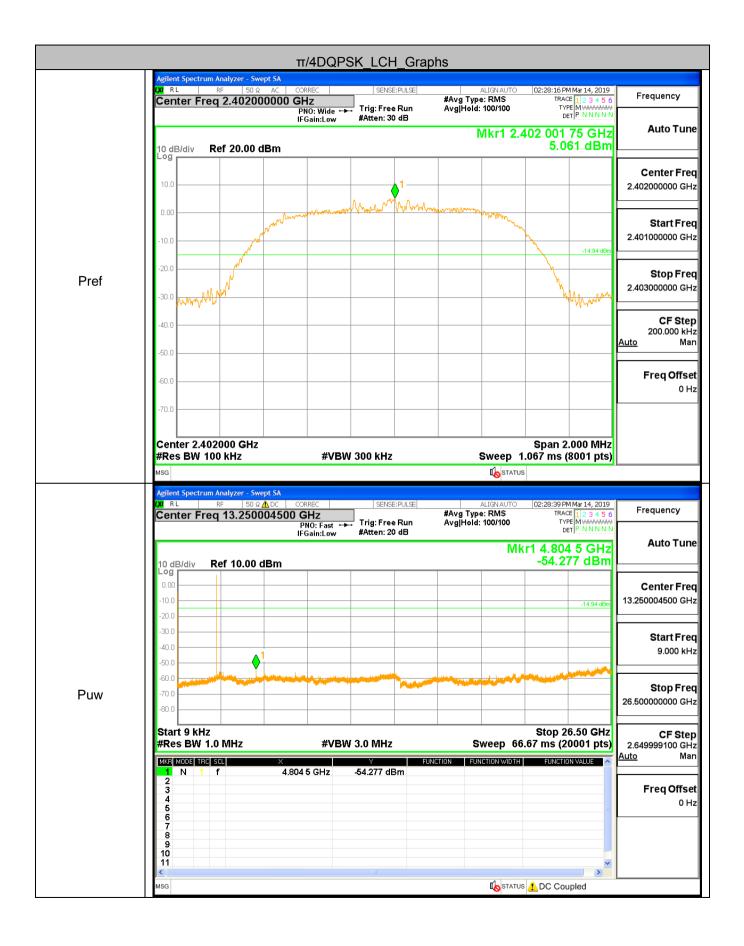


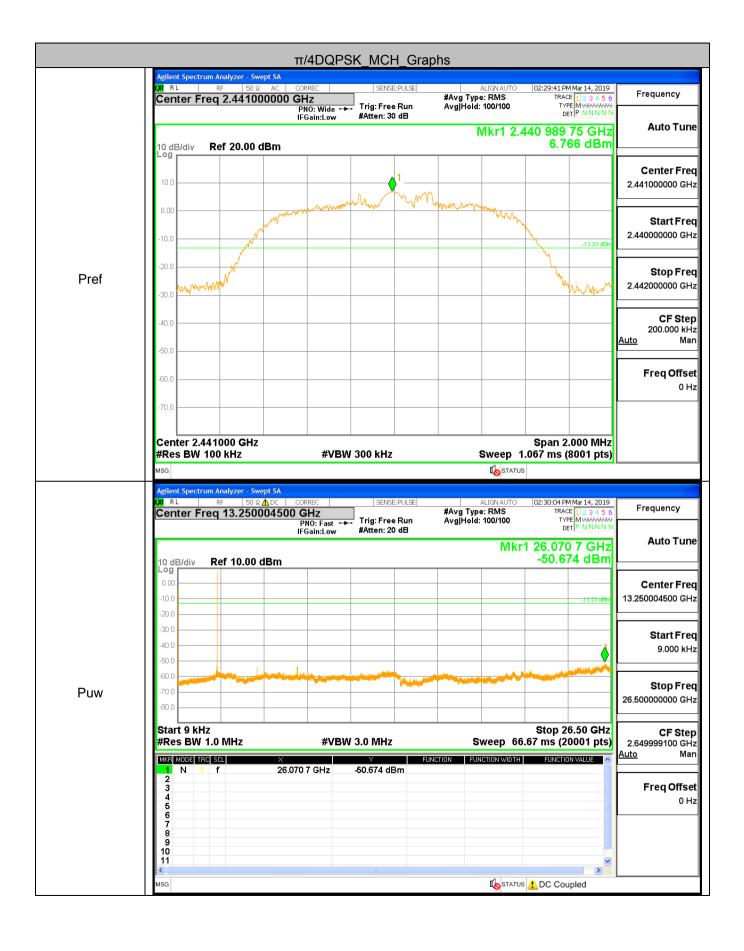
A.7 RF Conducted Spurious Emissions Test Graph

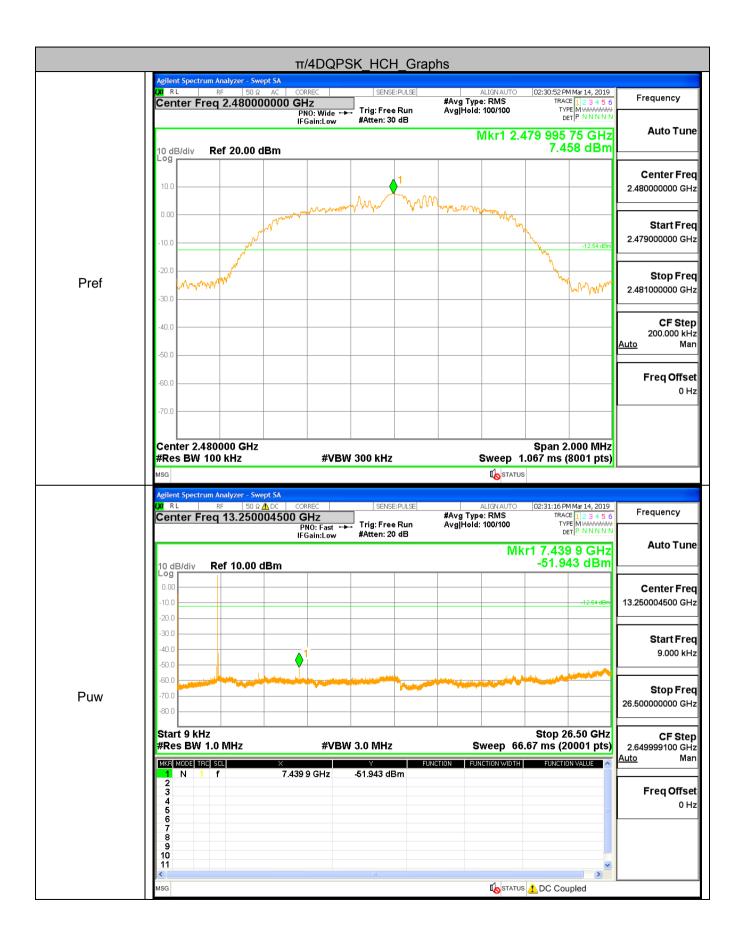


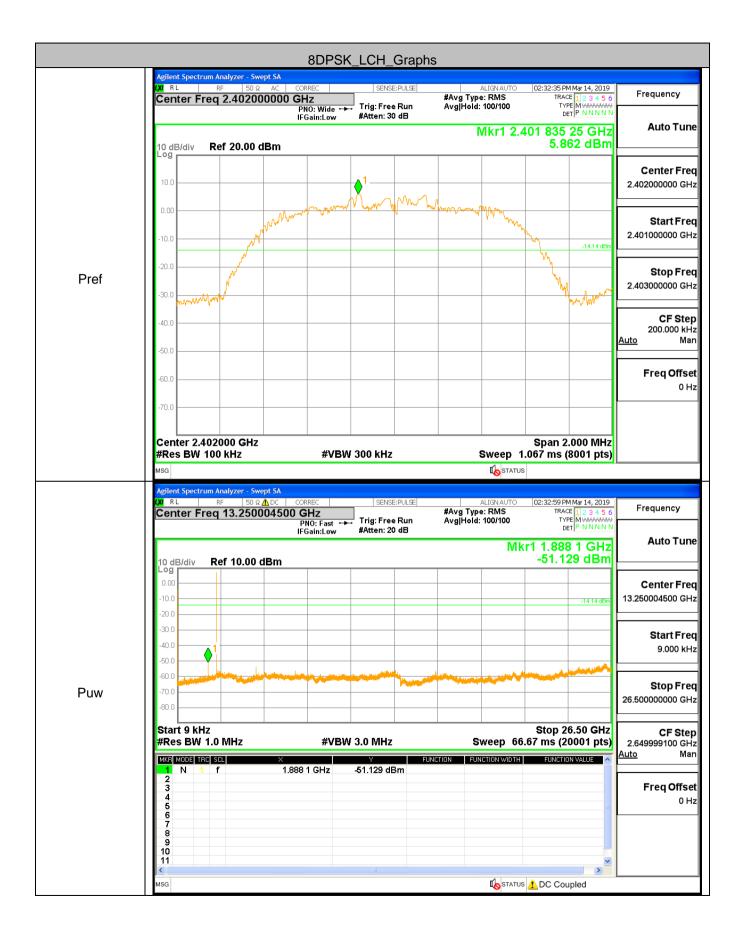


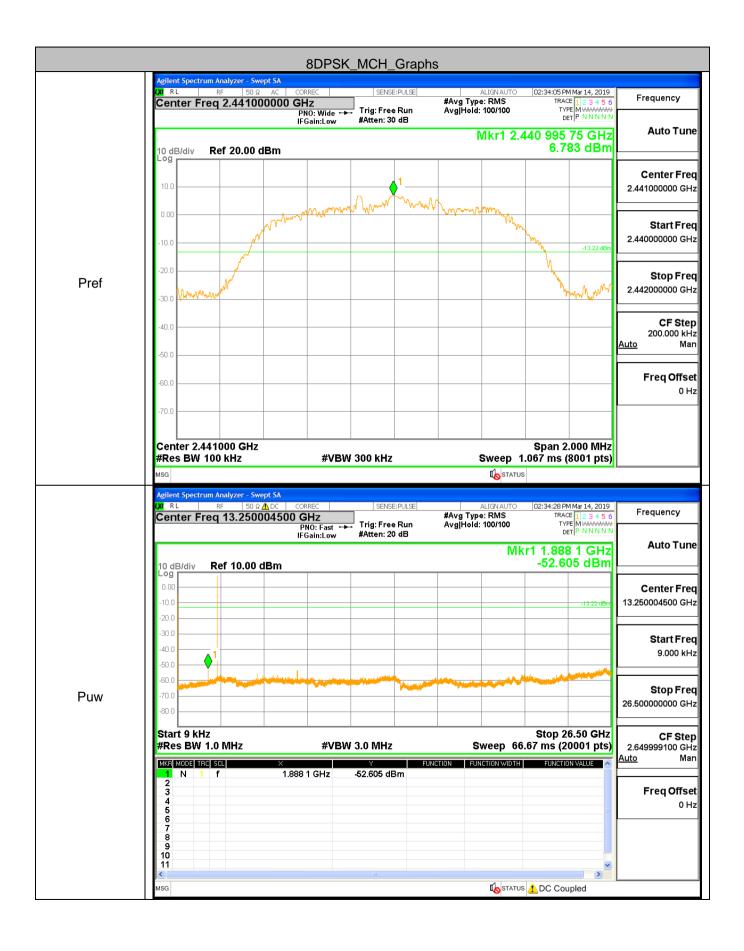


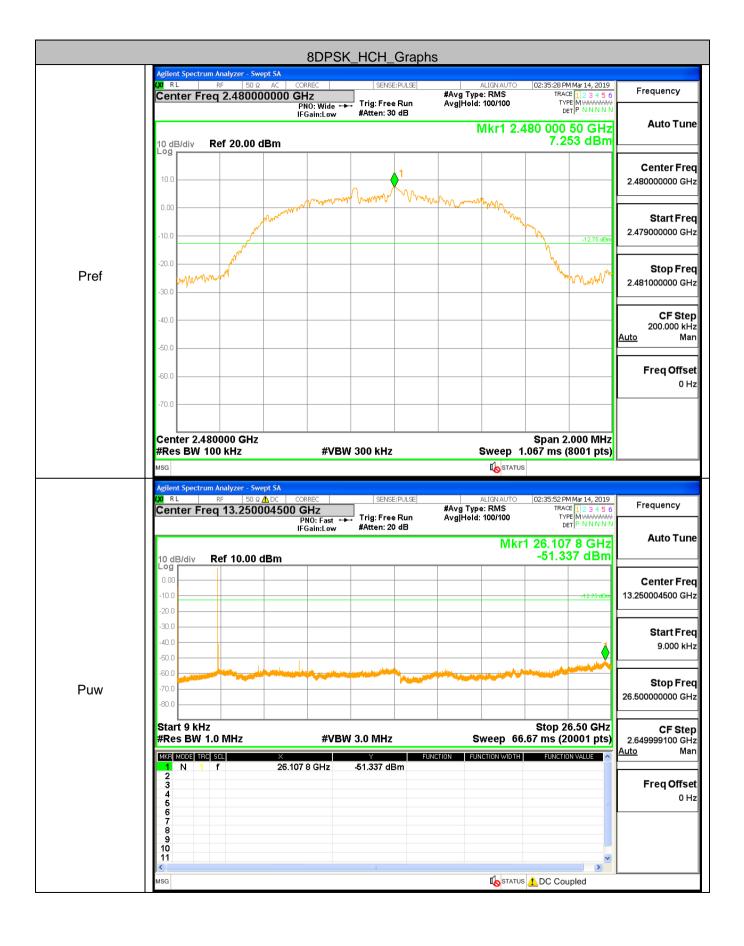












A.8 Restrict-band band-edge measurements

/ 11	A.o Nestrici-band band-edge measurements										
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	-53.66	46.98	74	-60.84	38.66	54	Pass
1DH5	2402	2390	2.00	0.00	-52.67	44.88	74	-60.08	38.7	54	Pass
1DH5	2480	2483.5	2.00	0.00	-34.11	52.06	74	-38.76	46.7	54	Pass
1DH5	2480	2500	2.00	0.00	-53.35	46.34	74	-59.77	39.22	54	Pass
2DH5	2402	2310	2.00	0.00	-54.75	45.46	74	-60.8	38.42	54	Pass
2DH5	2402	2390	2.00	0.00	-53.02	46.04	74	-60.21	38.65	54	Pass
2DH5	2480	2483.5	2.00	0.00	-34.72	48.4	74	-39.9	42.92	54	Pass
2DH5	2480	2500	2.00	0.00	-53.16	46.82	74	-59.8	39.18	54	Pass
3DH5	2402	2310	2.00	0.00	-54.53	43.97	74	-60.86	38.39	54	Pass
3DH5	2402	2390	2.00	0.00	-52.62	45.69	74	-60.25	38.63	54	Pass
3DH5	2480	2483.5	2.00	0.00	-31.43	49.62	74	-39.94	43.04	54	Pass
3DH5	2480	2500	2.00	0.00	-53.35	46.38	74	-59.83	39.15	54	Pass

