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

Product Name: Bluetooth headset Trade Mark: sentry Test Model: BT989

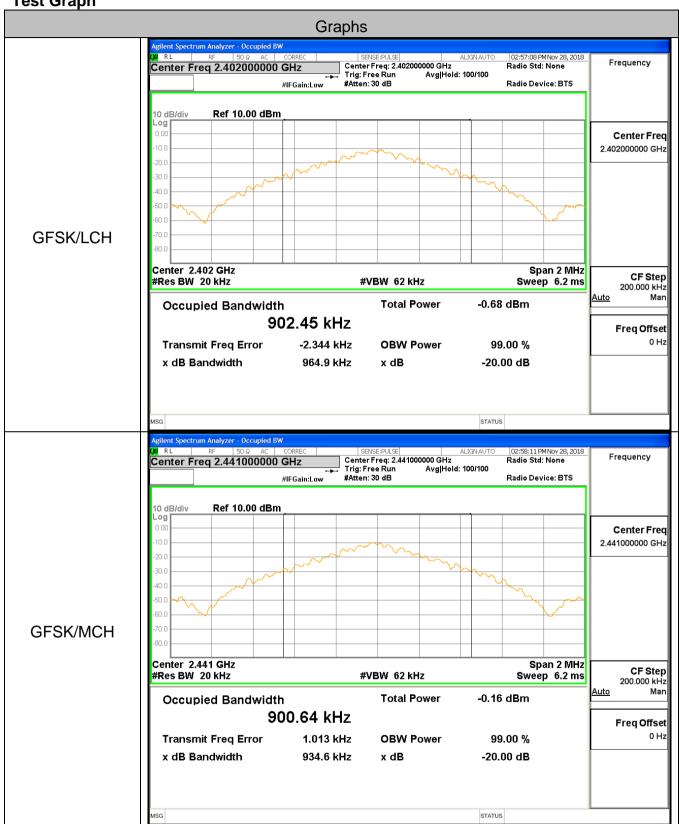
FCC ID: 2ACP4-BT989

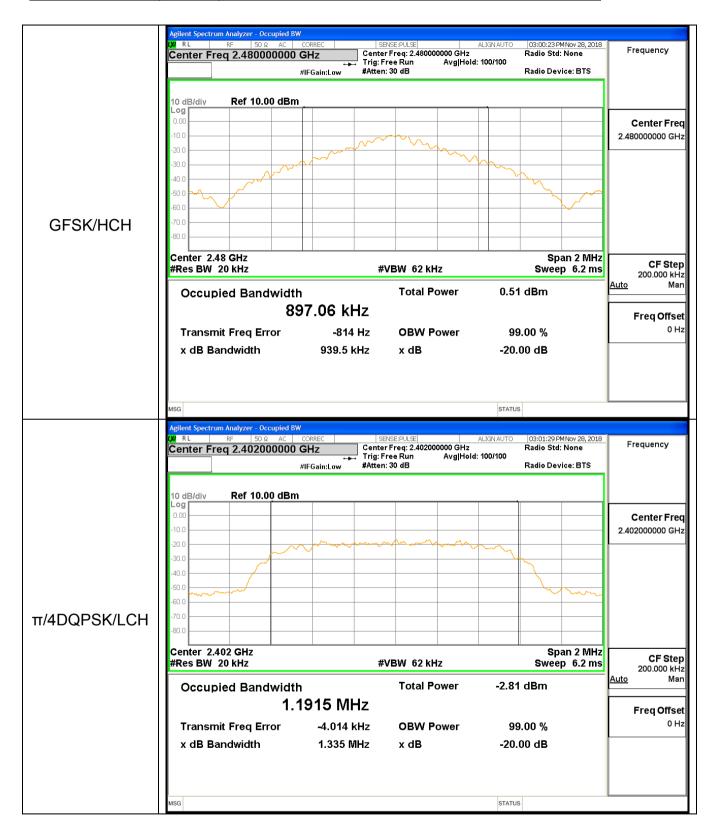
Environmental Conditions

Temperature:	22.5 ° C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

A.1 20 dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Verdict	
GFSK	LCH	0.963	Not Specified	PASS
GFSK	MCH	0.935	Not Specified	PASS
GFSK	HCH	0.940	Not Specified	PASS
π/4DQPSK	LCH	1.335	Not Specified	PASS
π/4DQPSK	MCH	1.332	Not Specified	PASS
π/4DQPSK	HCH	1.336	Not Specified	PASS

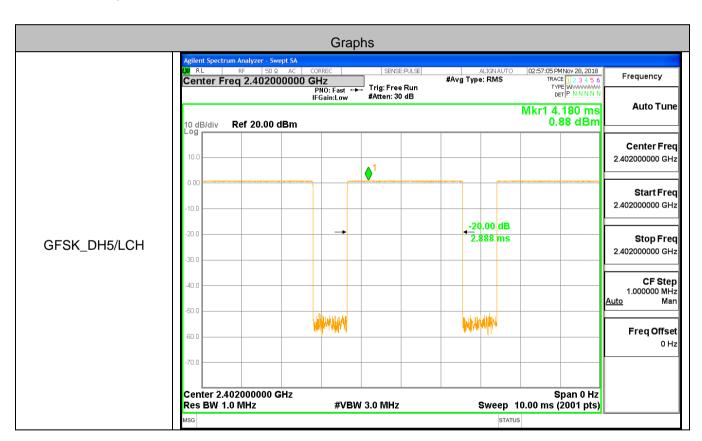


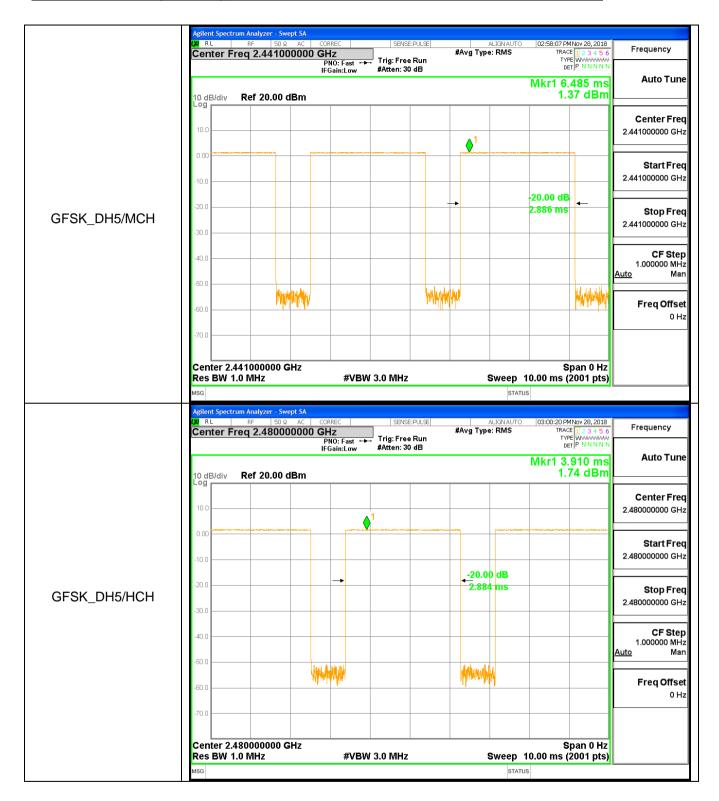


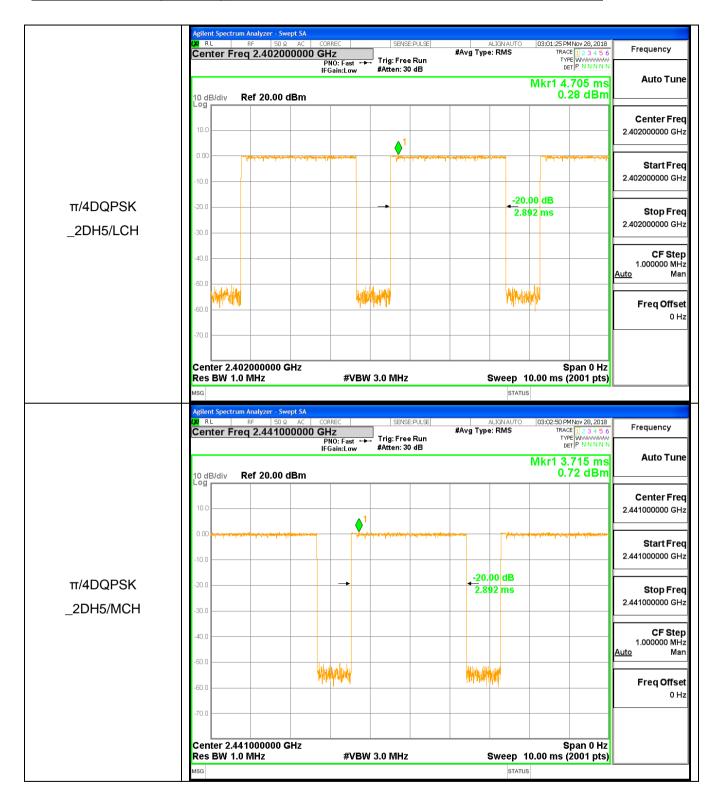


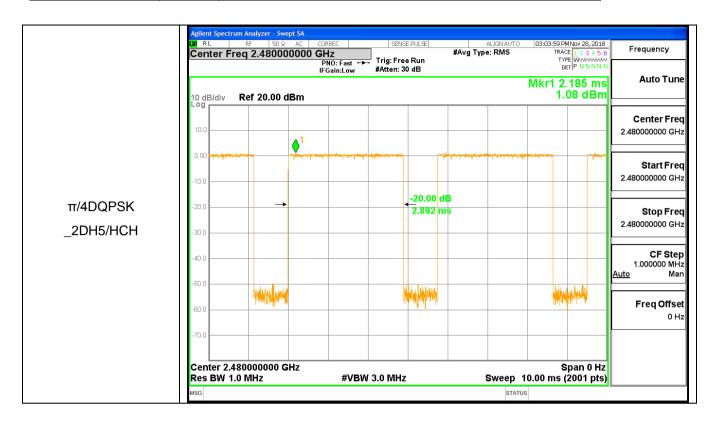
A.2 Dwell Time

Mode	Packet	Chann	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
		Ci	[III3/IIOp/CII]	Hops[Hop CH]	Time[3]		
GFSK	DH5	LCH	0.00321295	106.7	0.34282177	0.4	PASS
GFSK	DH5	мсн	0.003098497	106.7	0.330609681	0.4	PASS
GFSK	DH5	НСН	0.002888395	106.7	0.308191787	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002886448	106.7	0.307984036	0.4	PASS
π/4DQPSK	2DH5	мсн	0.0028837	106.7	0.307690737	0.4	PASS
π/4DQPSK	2DH5	НСН	0.002892336	106.7	0.308612239	0.4	PASS



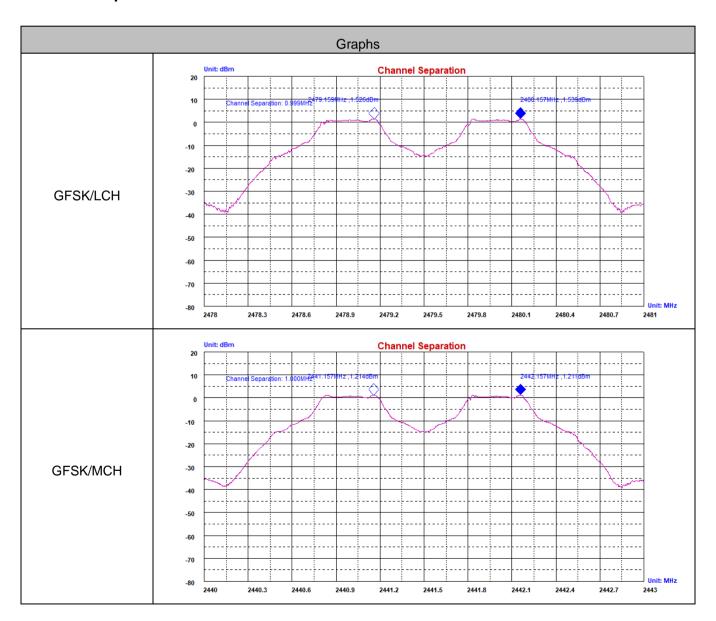


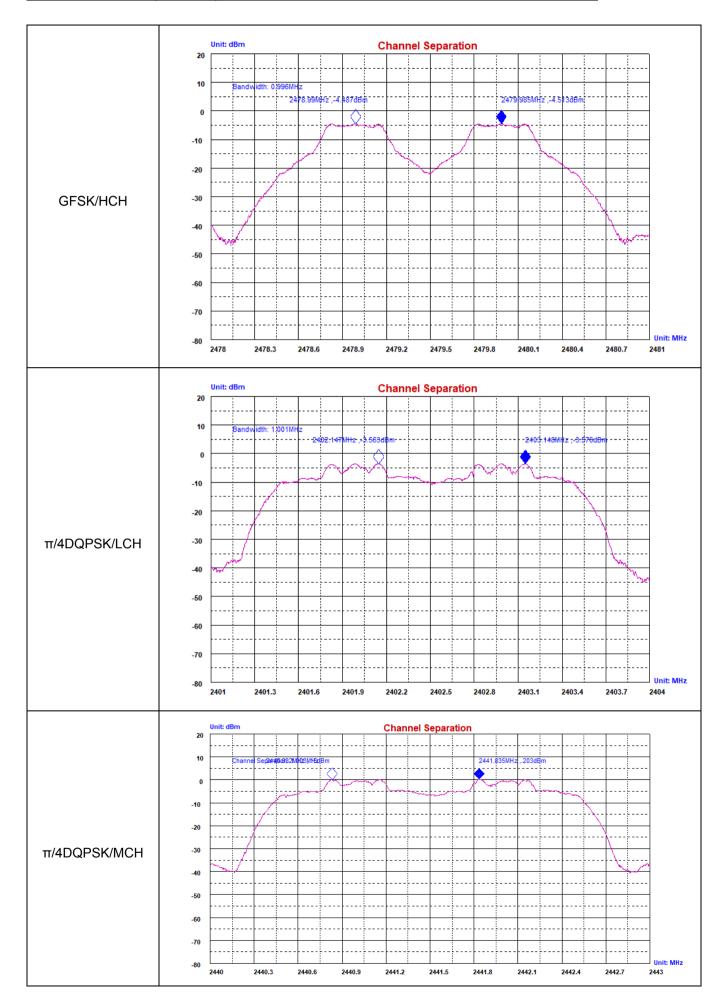


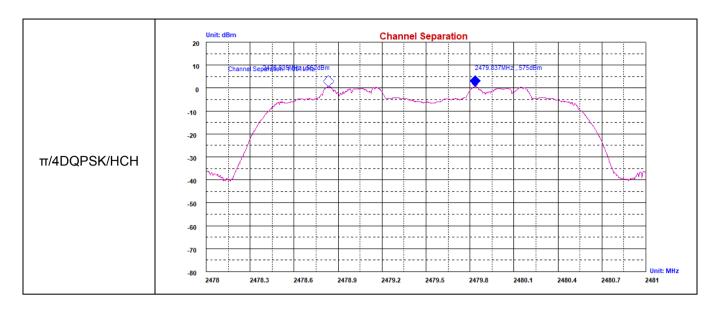


A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.999	0.642	PASS
GFSK	MCH	1.000	0.623	PASS
GFSK	HCH	0.996	0.627	PASS
π/4DQPSK	LCH	1.001	0.890	PASS
π/4DQPSK	MCH	1.003	0.888	PASS
π/4DQPSK	HCH	1.001	0.891	PASS

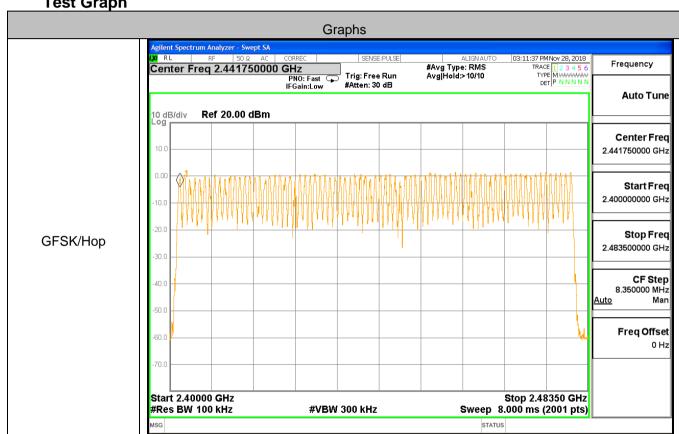






A.4 Hopping Channel Number

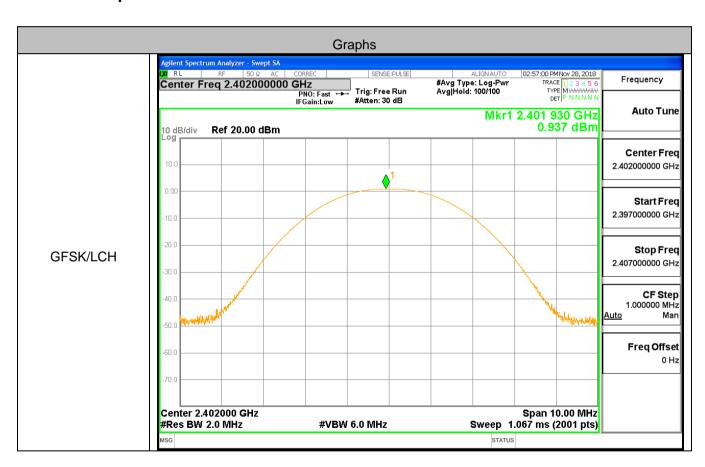
Mode	Channel.	Number of Hopping Channel[N]	Limit[N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS

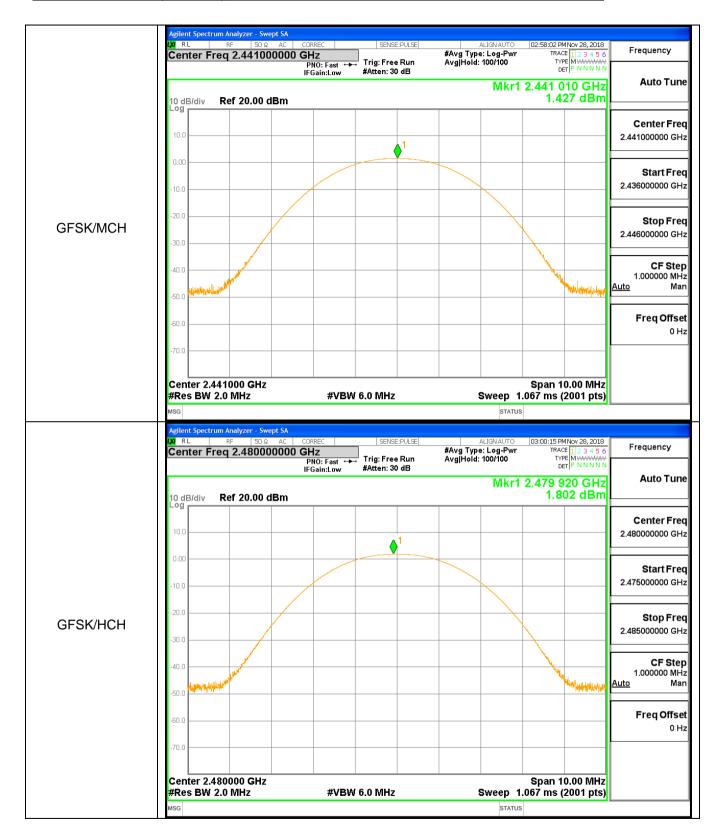


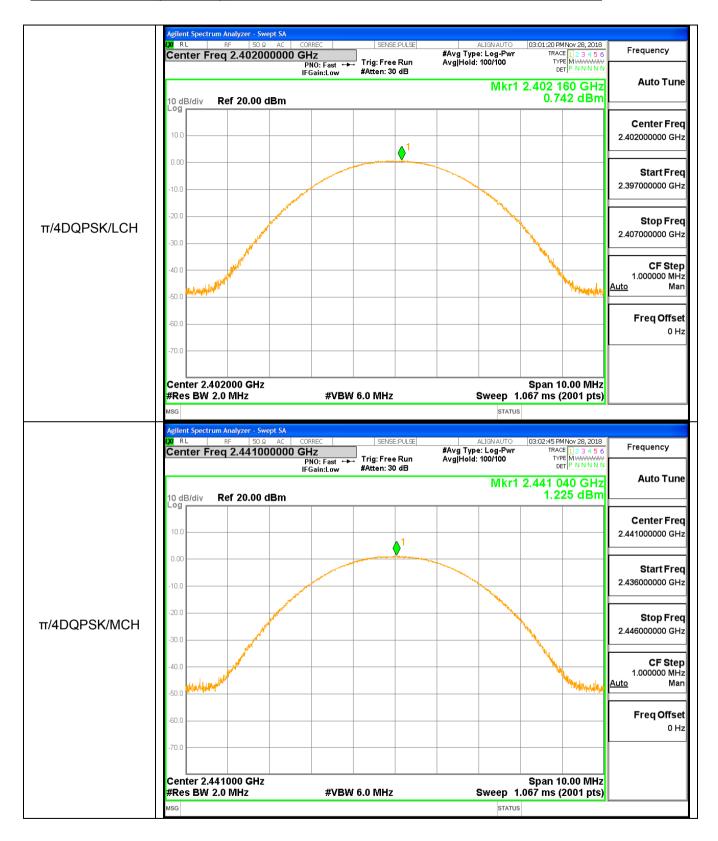


A.5 Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.937	21	PASS
GFSK	MCH	1.427	21	PASS
GFSK	HCH	1.802	21	PASS
π/4DQPSK	LCH	0.742	21	PASS
π/4DQPSK	MCH	1.225	21	PASS
π/4DQPSK	НСН	1.595	21	PASS





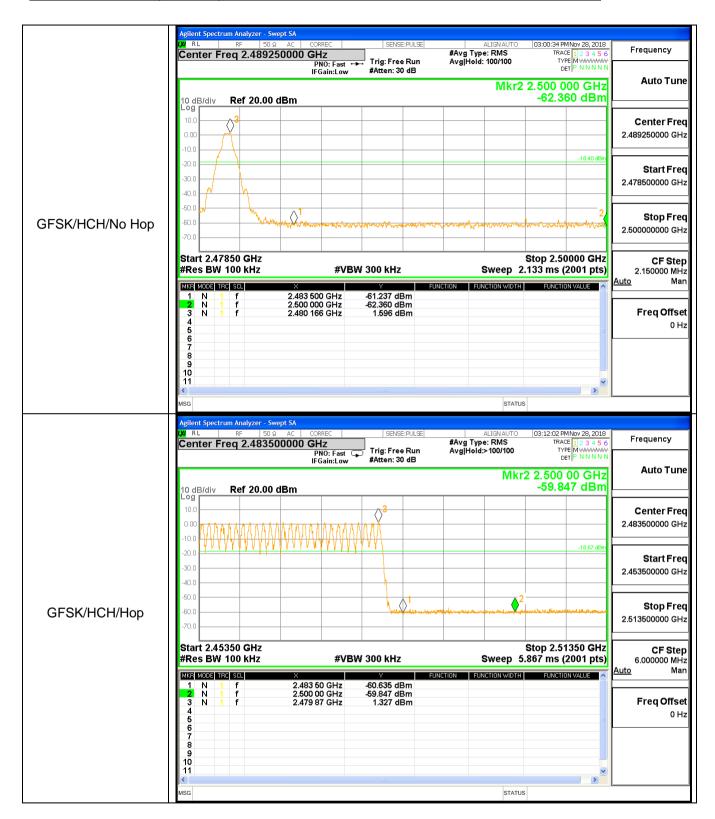




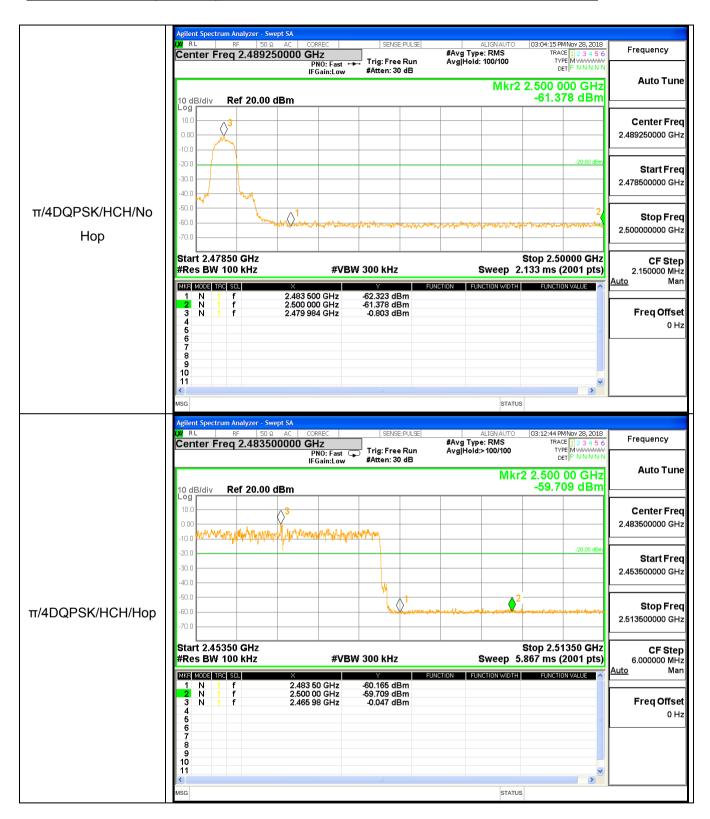
A.6 Band-edge for RF Conducted Emissions

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Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion		
1DH5	2402	2390	0.318	-60.78	-19.682	Pass		
1DH5	2402	2400	0.318	-55.44	-19.682	Pass		
1DH5-Hopping	2402	2390	0.588	-59.5	-19.412	Pass		
1DH5-Hopping	2402	2400	0.588	-60.92	-19.412	Pass		
1DH5	2480	2483.5	1.596	-61.24	-18.404	Pass		
1DH5	2480	2500	1.596	-62.36	-18.404	Pass		
1DH5-Hopping	2480	2483.5	1.327	-60.64	-18.673	Pass		
1DH5-Hopping	2480	2500	1.327	-59.85	-18.673	Pass		
2DH5	2402	2390	-3.638	-60.92	-23.638	Pass		
2DH5	2402	2400	-3.638	-55.14	-23.638	Pass		
2DH5-Hopping	2480	2483.5	-0.047	-60.16	-20.047	Pass		
2DH5-Hopping	2480	2500	-0.047	-59.71	-20.047	Pass		
2DH5	2480	2483.5	-0.803	-62.32	-20.803	Pass		
2DH5	2480	2500	-0.803	-61.38	-20.803	Pass		
2DH5-Hopping	2402	2390	-2.746	-0.236	-60.52	Pass		
2DH5-Hopping	2402	2400	-2.746	-0.236	-58.11	Pass		

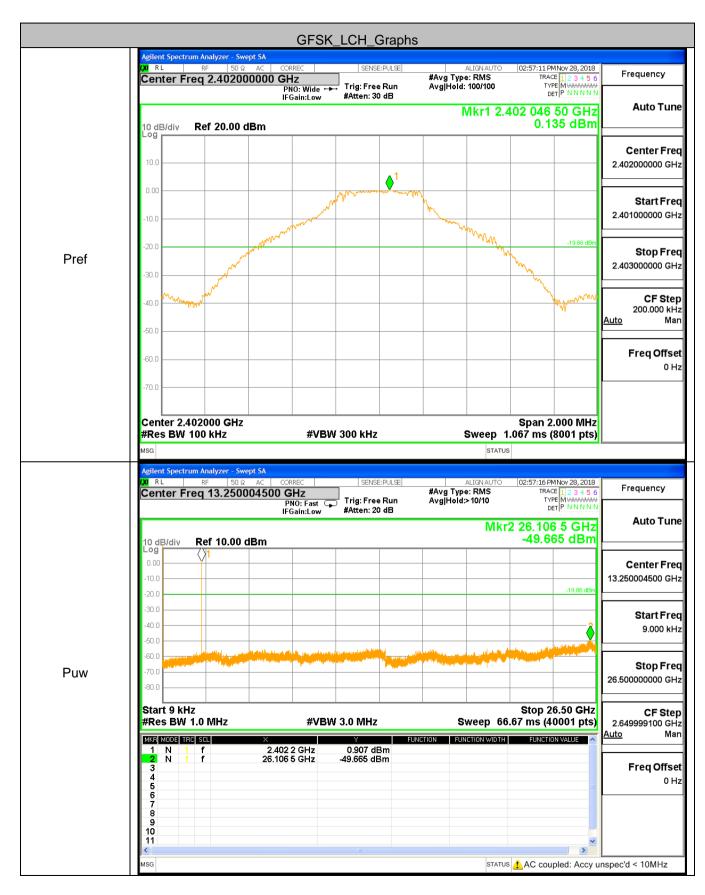


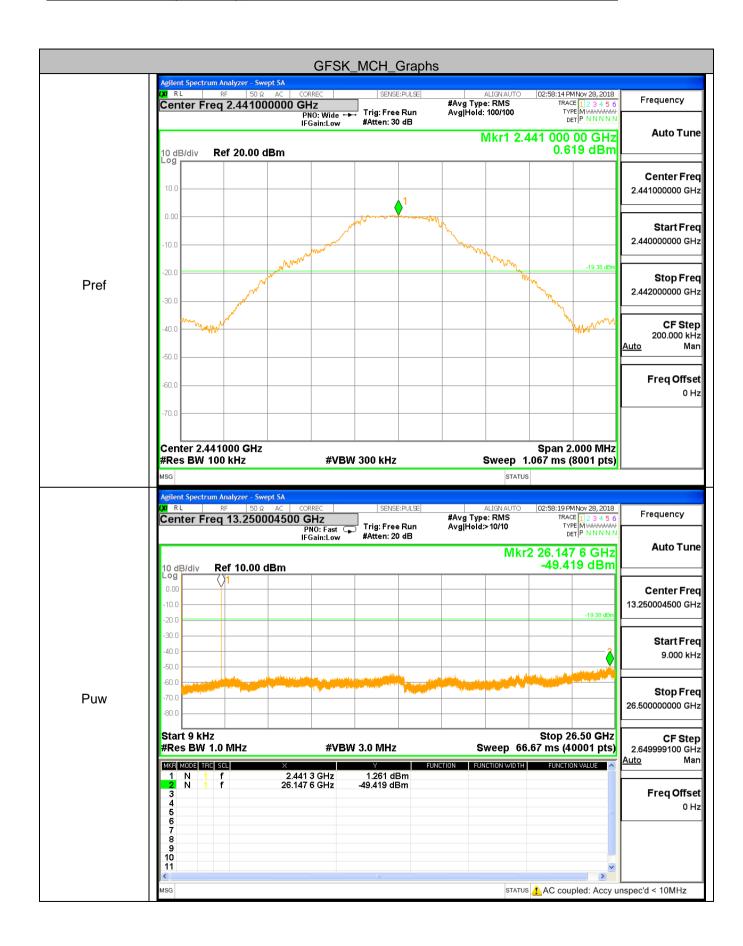


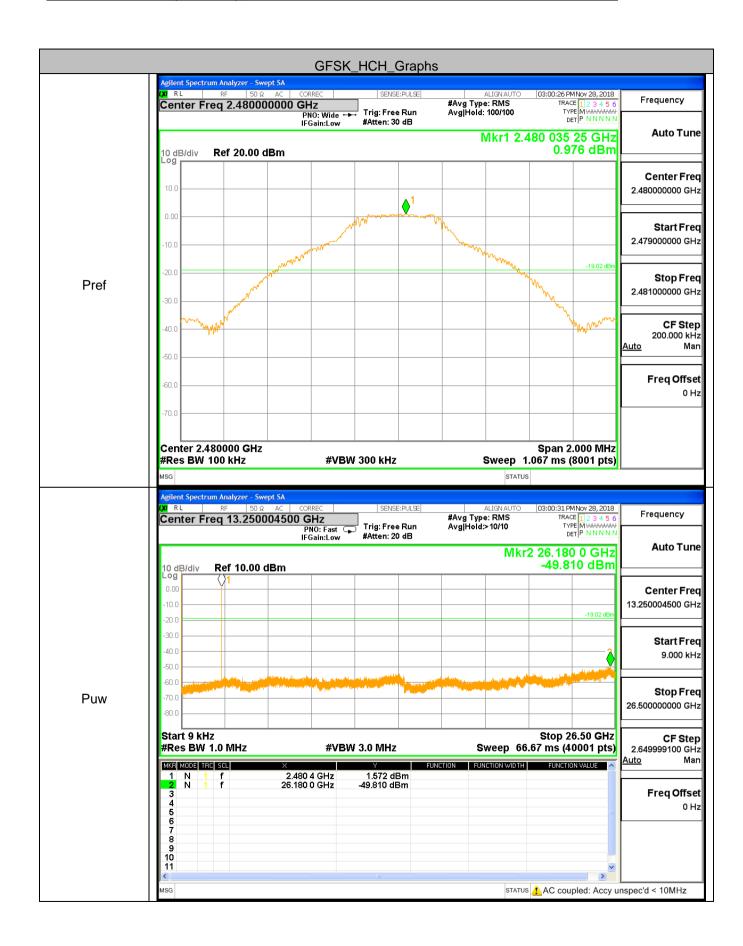


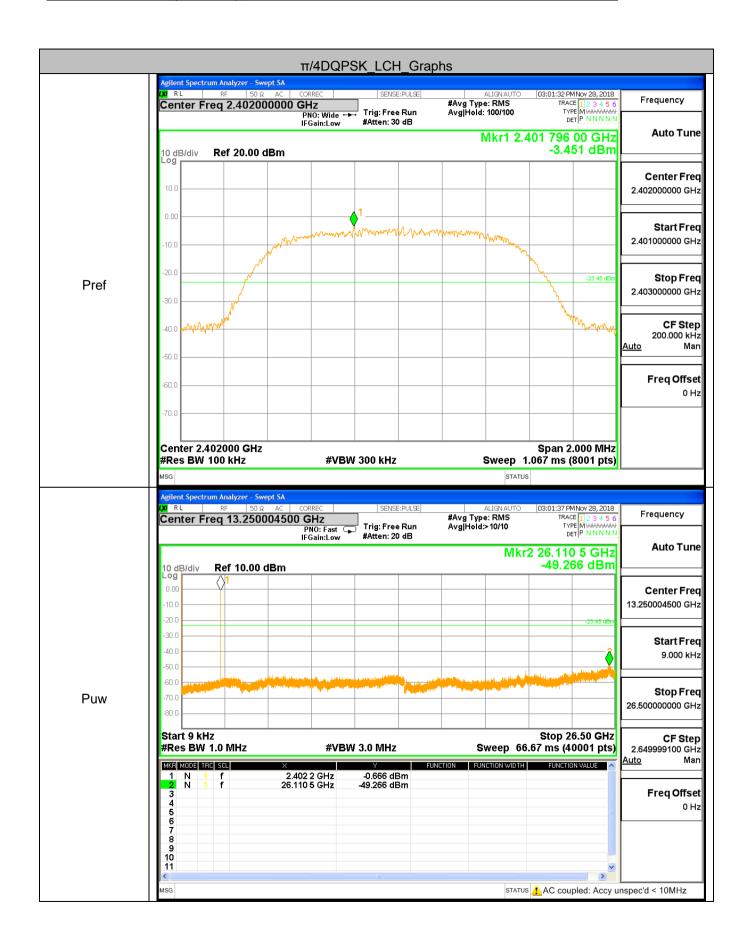


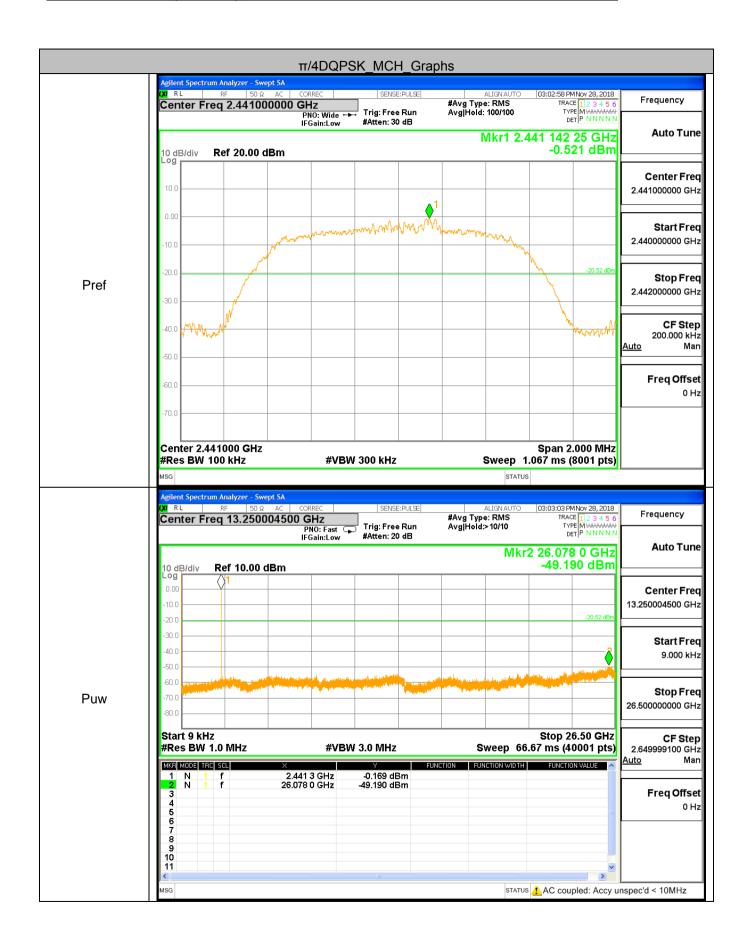
A.7 RF Conducted Spurious Emissions Test Graph













A.8 Restrict-band band-edge measurements

Туре	Carrier Frequenc y (MHz)	Frequenc y(MHz)	Gain	Groun d Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusio n
1DH5	2402	2310	-0.58	0.00	-51.88	42.74	74	-59.4	35.22	54	Pass
1DH5	2402	2390	-0.58	0.00	-51.17	43.45	74	-59.07	35.55	54	Pass
1DH5	2480	2483.5	-0.58	0.00	-50.62	44	74	-56.44	38.18	54	Pass
1DH5	2480	2500	-0.58	0.00	-50.49	44.13	74	-58.51	36.11	54	Pass
2DH5	2402	2310	-0.58	0.00	-52.3	42.32	74	-59.38	35.24	54	Pass
2DH5	2402	2390	-0.58	0.00	-52.92	41.7	74	-59.03	35.59	54	Pass
2DH5	2480	2483.5	-0.58	0.00	-49.04	45.58	74	-56.28	38.34	54	Pass
2DH5	2480	2500	-0.58	0.00	-51.39	43.23	74	-58.5	36.12	54	Pass

