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

Product Name: Bluetooth Headphones
Trade Mark: Vivitar

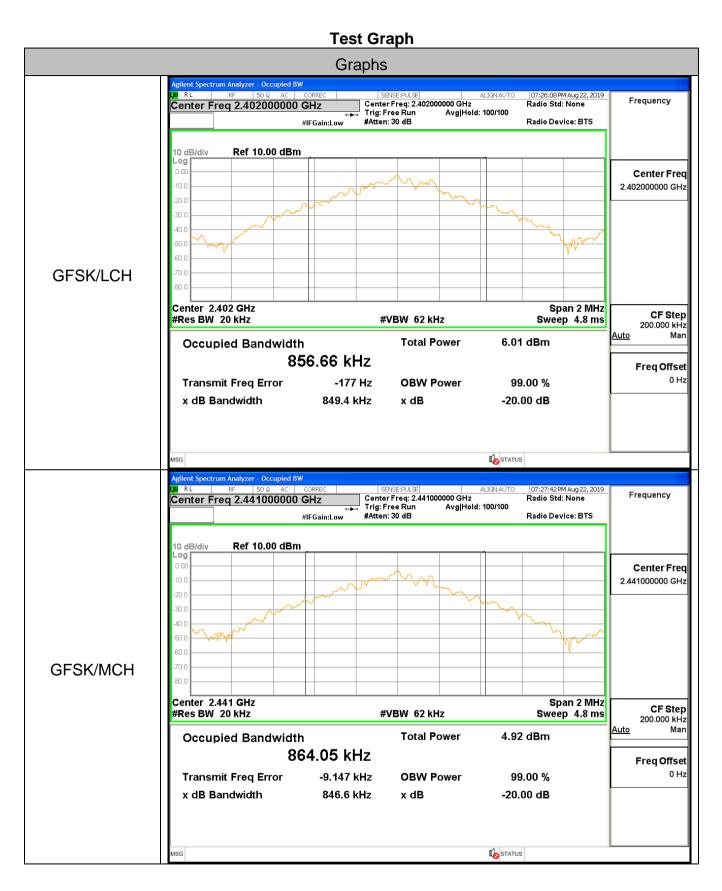
Test Model: V50018BT FCC ID: 2AL9B-V50018BT

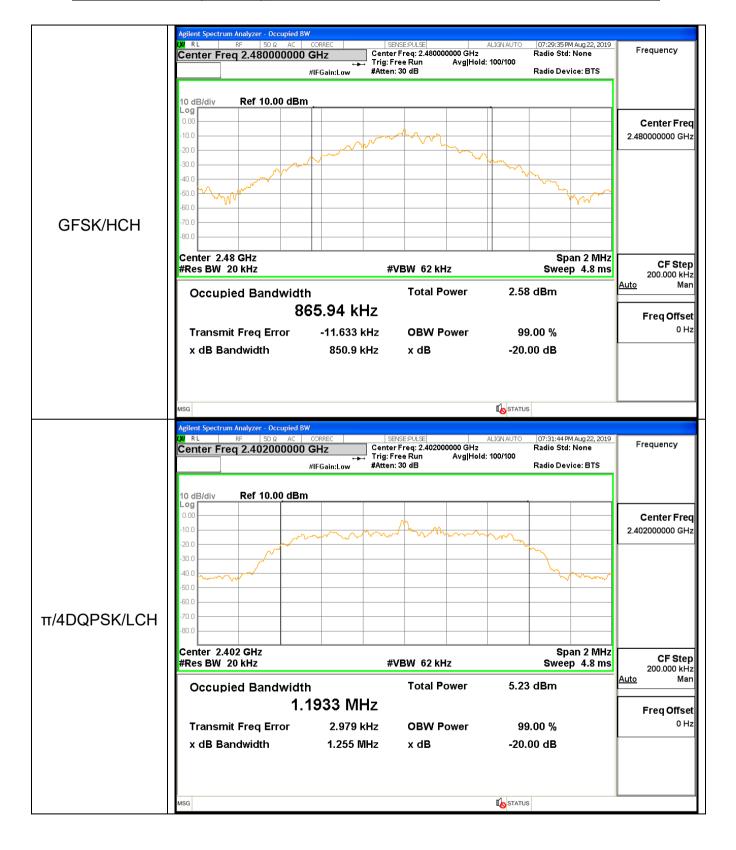
Environmental Conditions

Temperature:	24.7° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

A.1 20 dB Bandwidth

Mode	Channel.	I. 20dB Bandwidth [MHz] Limit(MHz)		Verdict
GFSK	LCH	0.849	Not Specified	PASS
GFSK	MCH	0.847	Not Specified	PASS
GFSK	HCH	0.851	Not Specified	PASS
π/4DQPSK	LCH	1.255	Not Specified	PASS
π/4DQPSK	MCH	1.252	Not Specified	PASS
π/4DQPSK	HCH	1.218	Not Specified	PASS



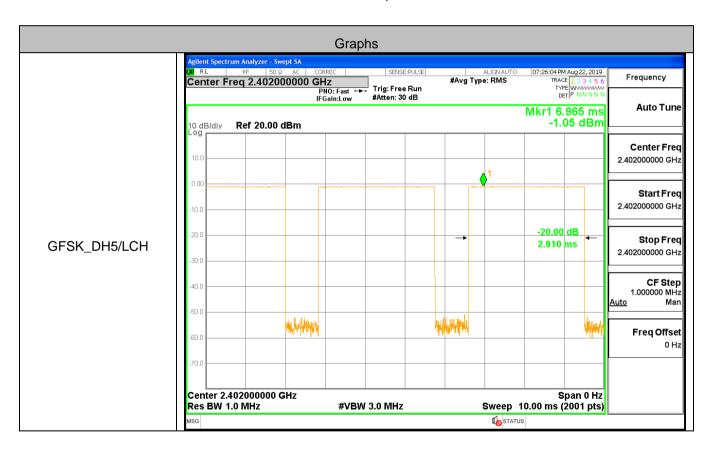


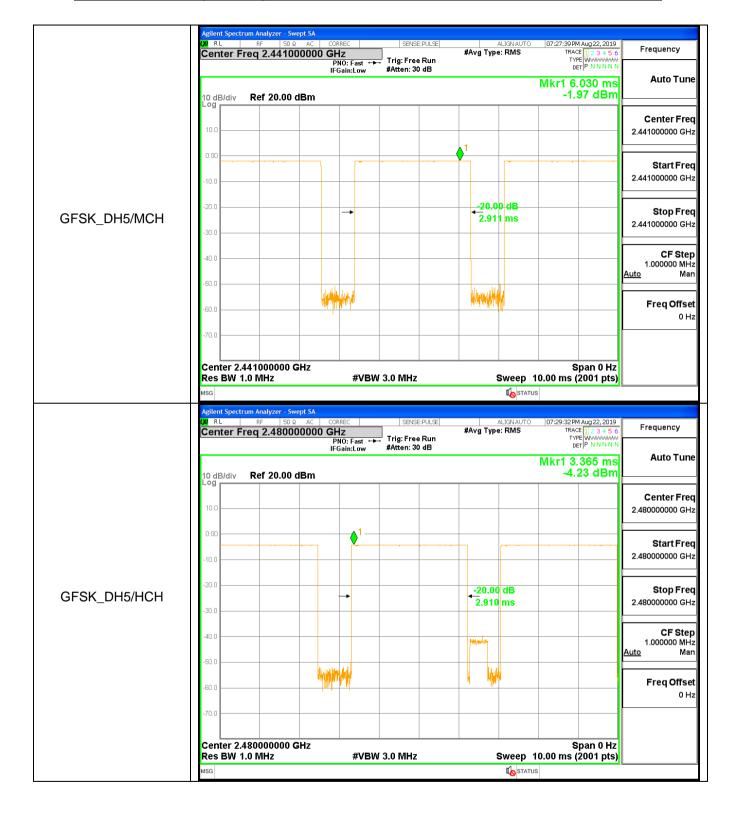


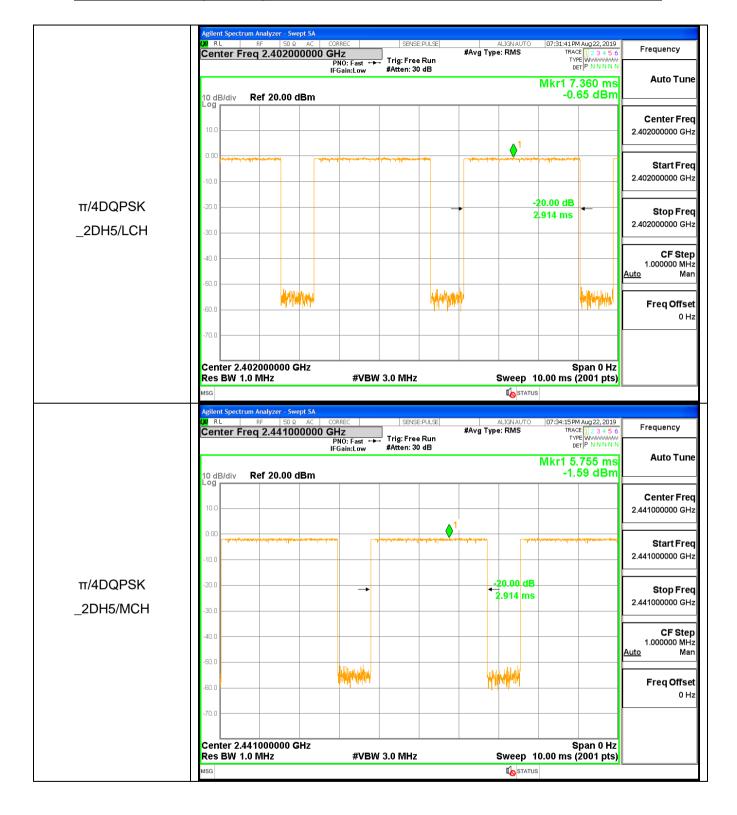
A.2 Dwell Time

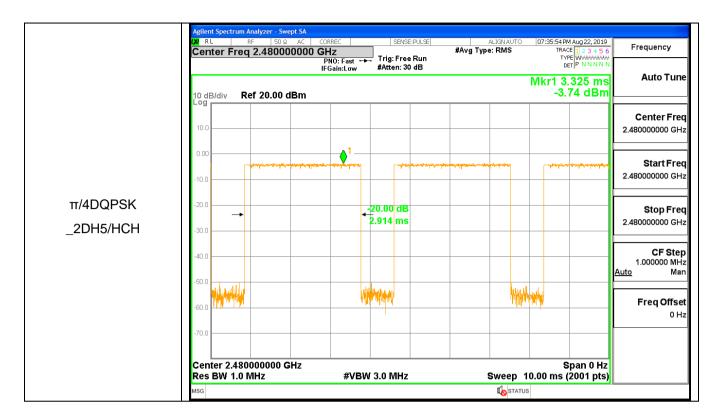
Mode Packet	Chann	Burst Width	Total	Dwell	Limit [s]	Verdic	
	el	[s/hop/ch]	Hops[hop*ch]	Time[s]	Lillit [5]	t	
GFSK	DH5	LCH	0.002910	106.7	0.310451	0.4	PASS
GFSK	DH5	мсн	0.002911	106.7	0.310604	0.4	PASS
GFSK	DH5	НСН	0.002910	106.7	0.310462	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002914	106.7	0.310958	0.4	PASS
π/4DQPSK	2DH5	мсн	0.002914	106.7	0.310973	0.4	PASS
π/4DQPSK	2DH5	НСН	0.002914	106.7	0.310975	0.4	PASS

Test Graph





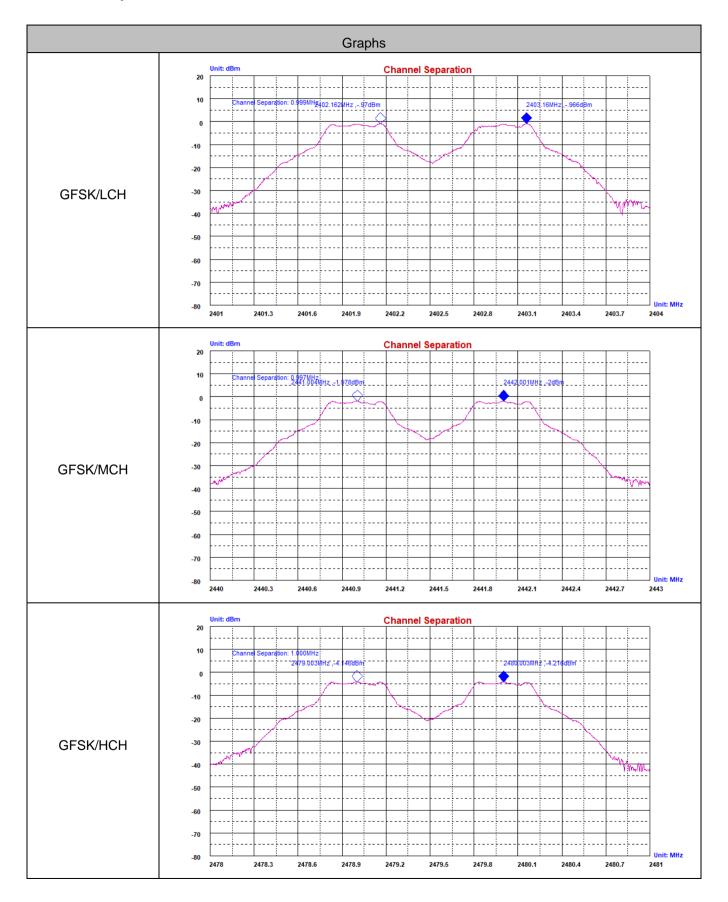


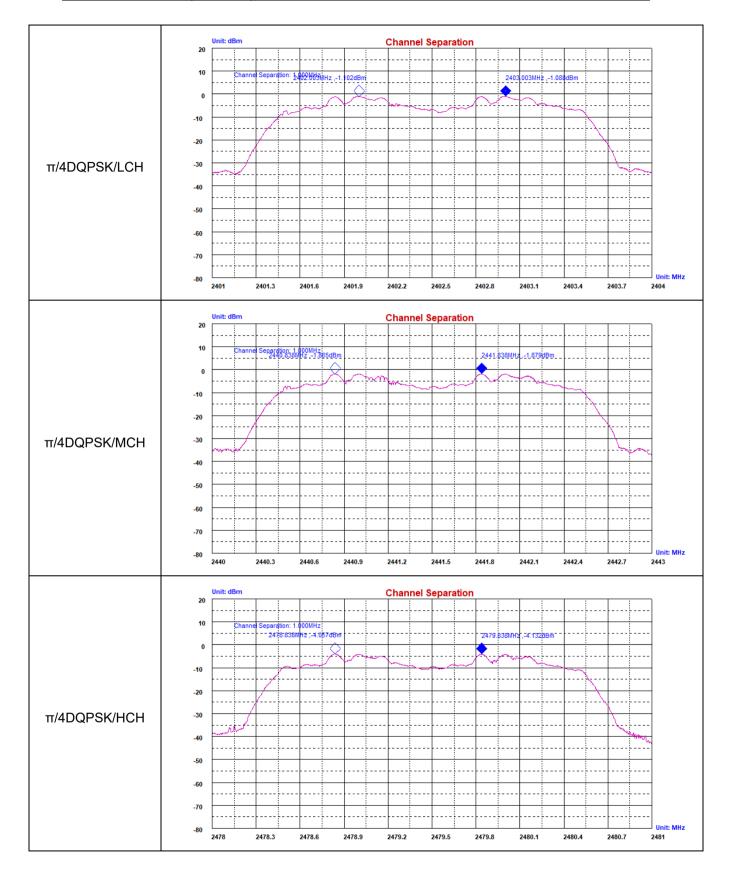


A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.999	0.566	PASS
GFSK	MCH	0.997	0.565	PASS
GFSK	HCH	1.000	0.567	PASS
π/4DQPSK	LCH	1.000	0.837	PASS
π/4DQPSK	MCH	1.000	0.835	PASS
π/4DQPSK	HCH	1.000	0.812	PASS

Test Graph

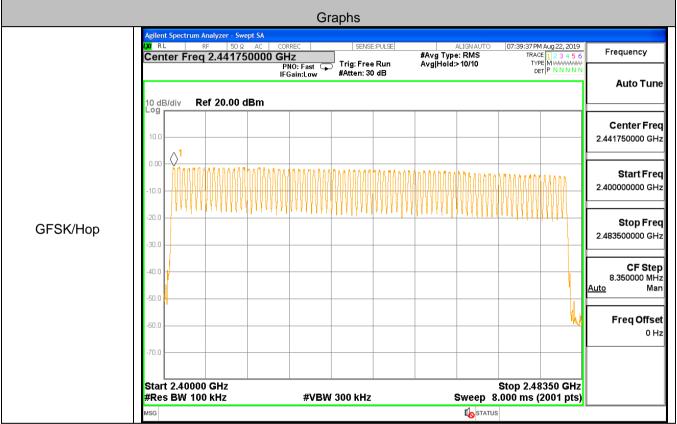


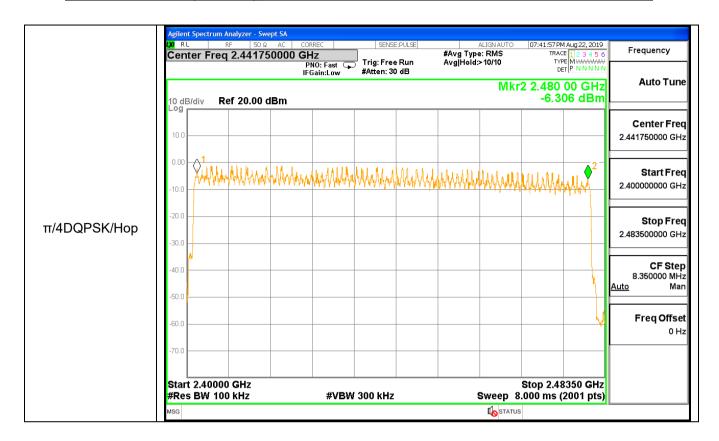


A.4 Hopping Channel Number

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



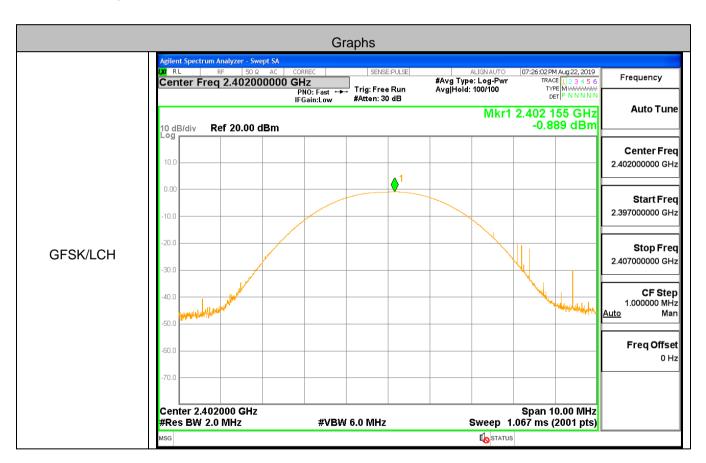


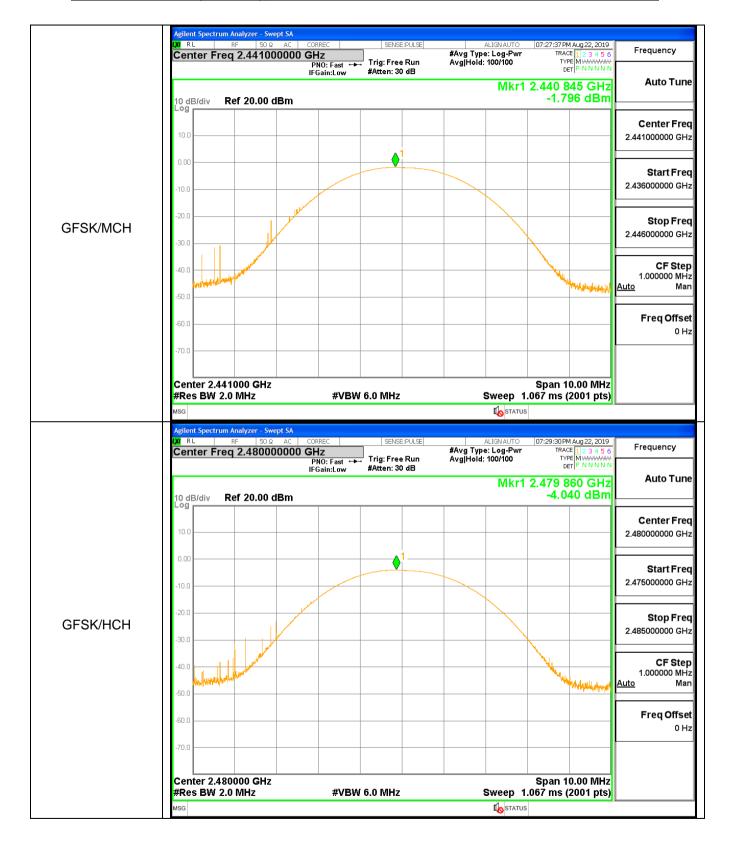


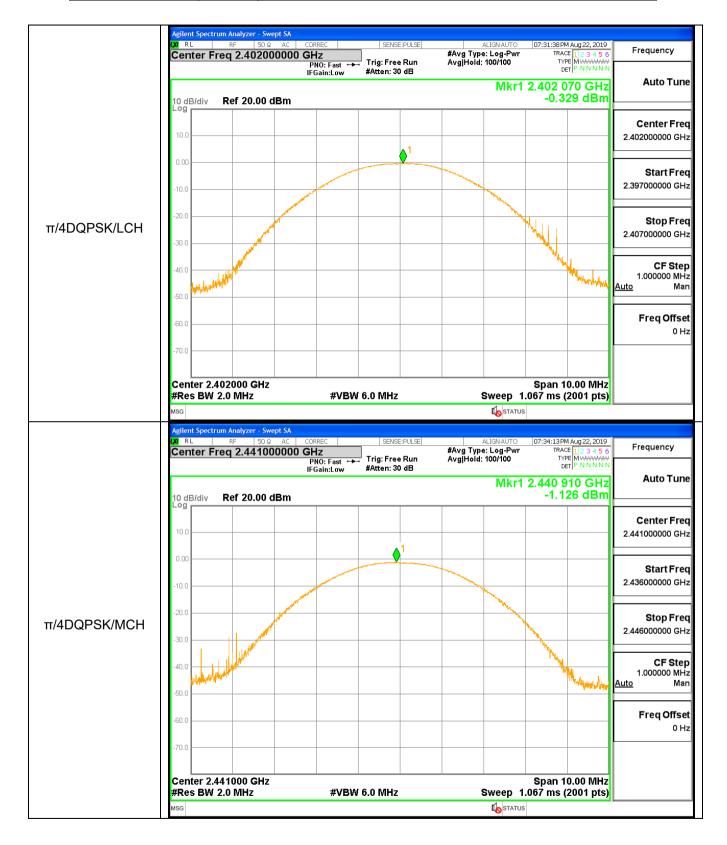
A.5 Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.889	21	PASS
GFSK	MCH	-1.796	21	PASS
GFSK	НСН	-4.040	21	PASS
π/4DQPSK	LCH	-0.329	21	PASS
π/4DQPSK	MCH	-1.126	21	PASS
π/4DQPSK	НСН	-3.242	21	PASS

Test Graph



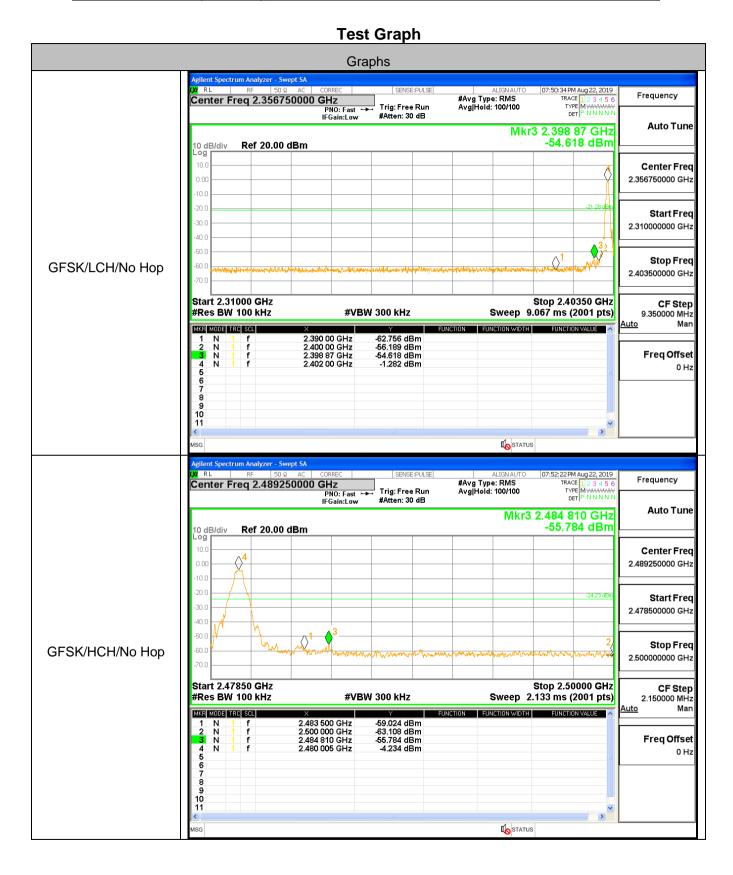


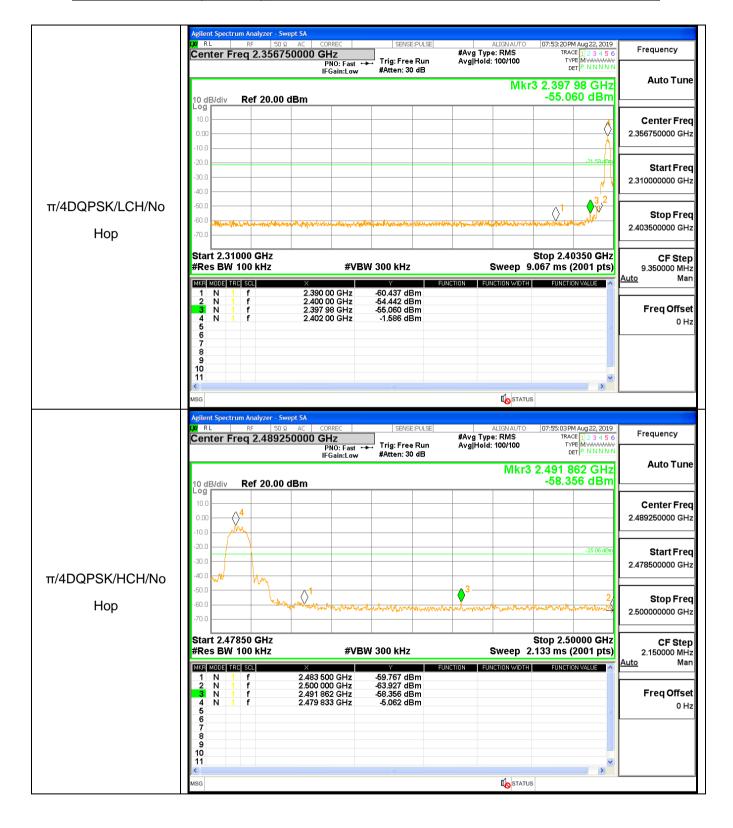


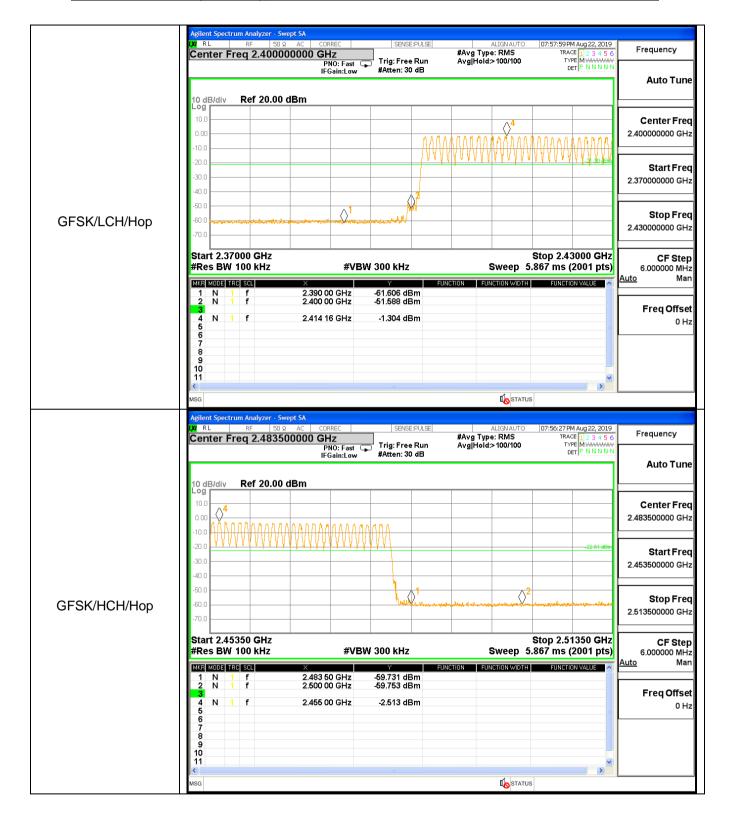


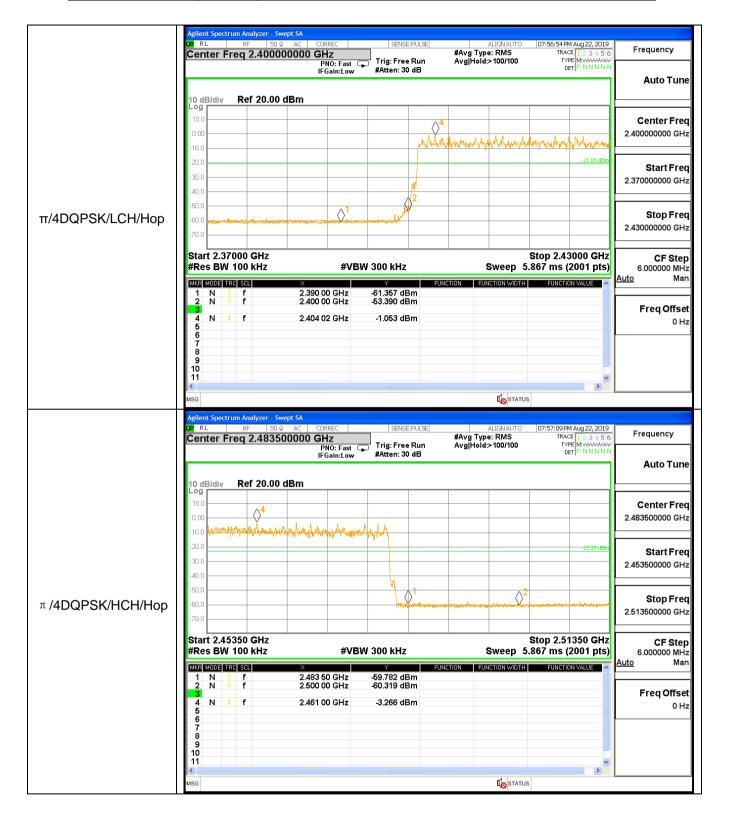
A.6 Band-edge for RF Conducted Emissions

The same sugerial contains a succession									
Туре	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion			
1DH5	2402	2398.872	-1.282	-54.618	-21.282	Pass			
1DH5	2480	2484.81	-4.234	-55.784	-24.234	Pass			
2DH5	2402	2400	-1.586	-54.44	-21.586	Pass			
2DH5	2480	2491.862	-5.062	-58.356	-25.062	Pass			
1DH5-Hopping	2402	2400	-1.304	-51.59	-21.304	Pass			
1DH5-Hopping	2480	2483.5	-2.513	-59.73	-22.513	Pass			
2DH5-Hopping	2402	2400	-1.053	-53.39	-21.053	Pass			
2DH5-Hopping	2480	2483.5	-3.266	-59.78	-23.266	Pass			

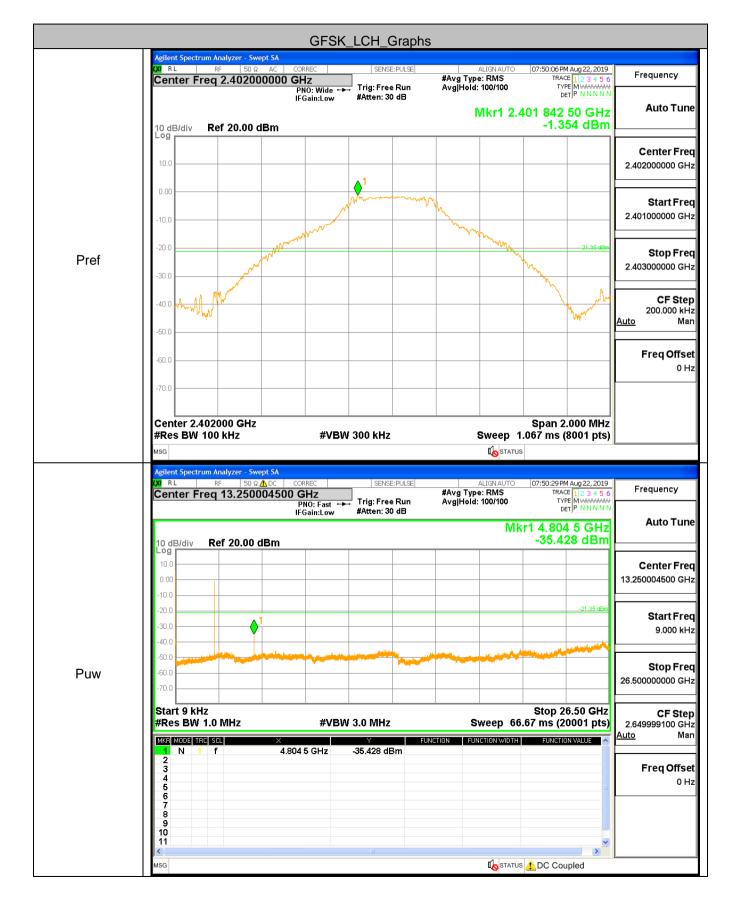


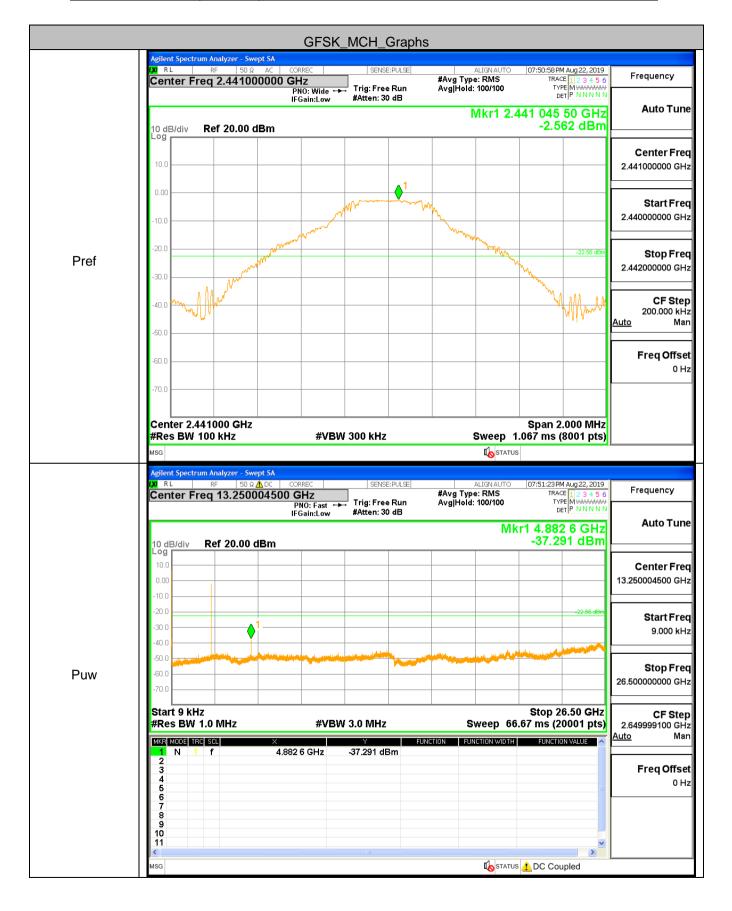


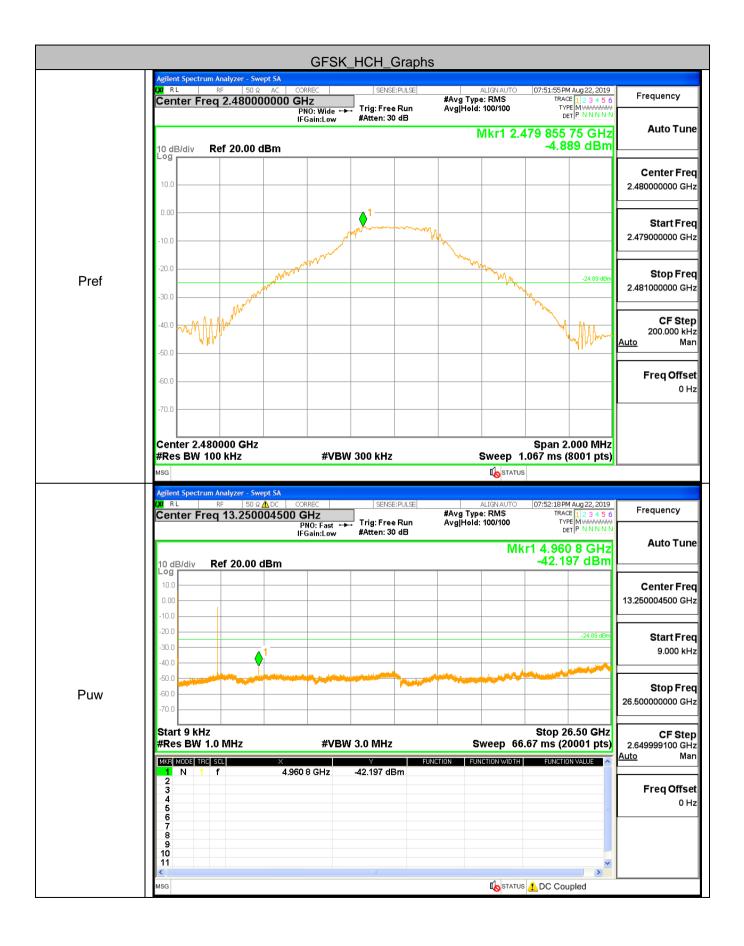


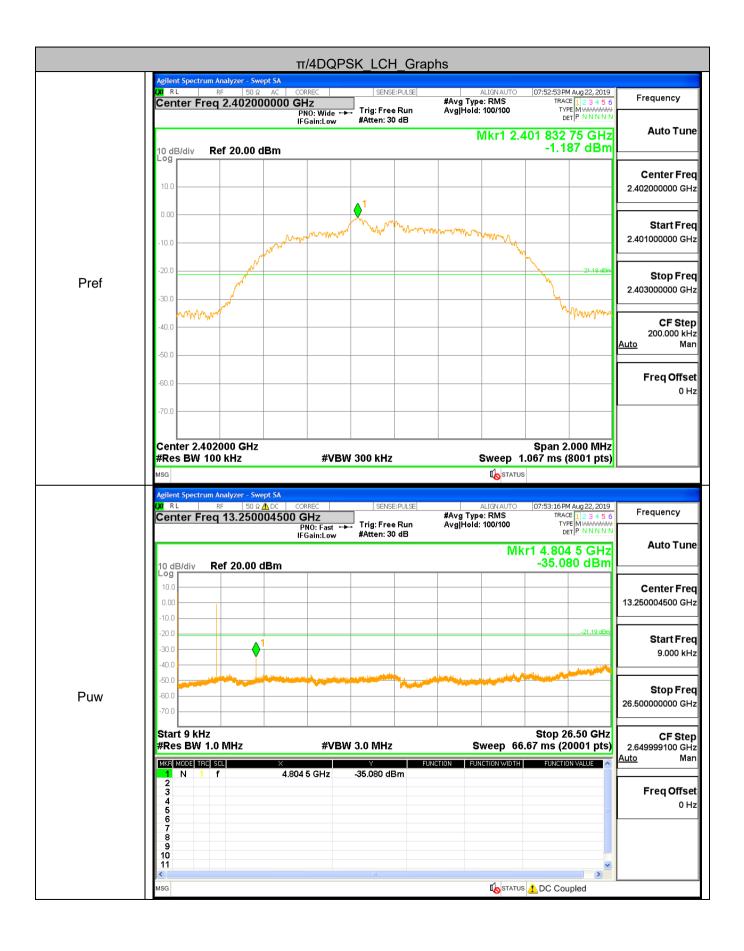


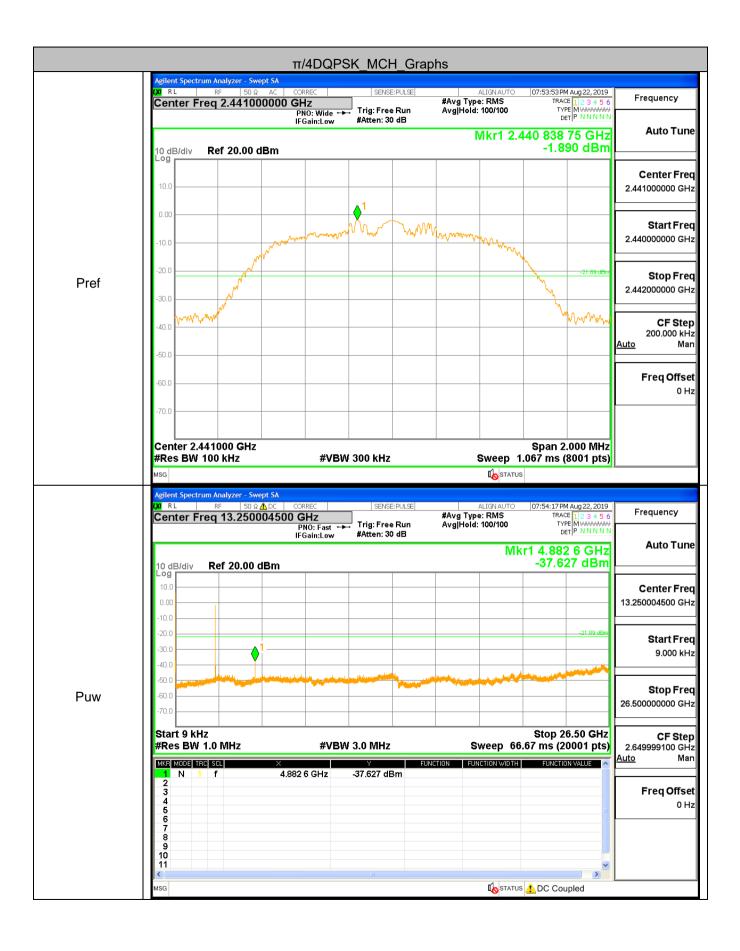
A.7 RF Conducted Spurious Emissions Test Graph

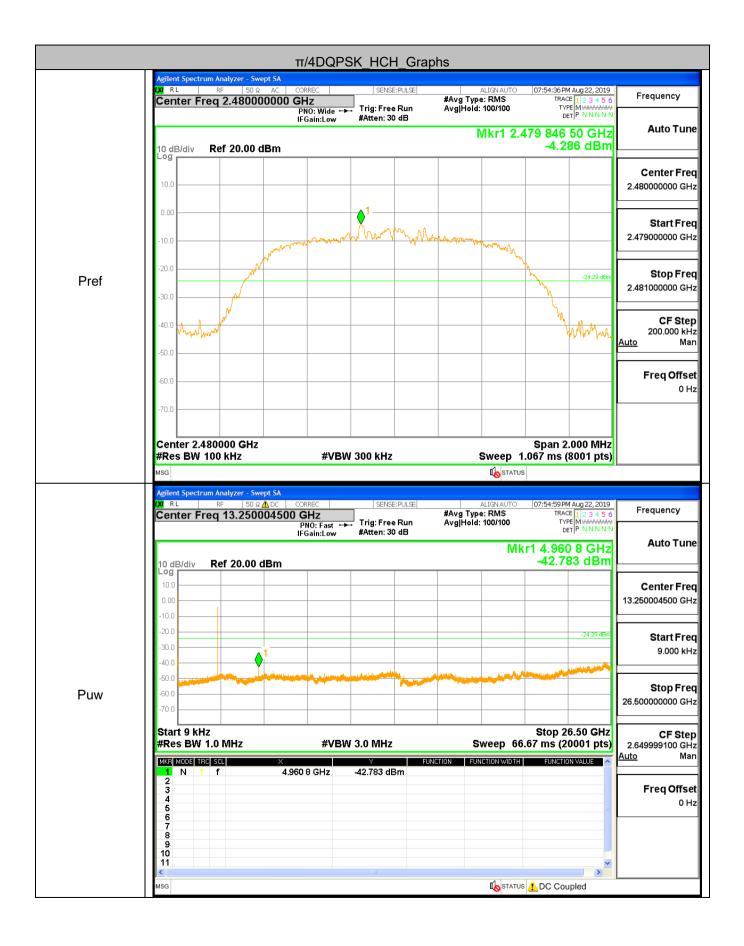












A.8 Restrict-band band-edge measurements

Туре	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2310.00	2.00	0.00	-52.02	45.18	74	Pass
1DH5	2480	2483.50	2.00	0.00	-49.73	47.47	74	Pass
2DH5	2402	2310.00	2.00	0.00	-52.35	44.85	74	Pass
2DH5	2480	2483.50	2.00	0.00	-49.44	47.76	74	Pass

Туре	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2310.00	2.00	0.00	-59.92	37.28	54	Pass
1DH5	2480	2483.50	2.00	0.00	-56.88	40.32	54	Pass
2DH5	2402	2310.00	2.00	0.00	-59.90	37.30	54	Pass
2DH5	2480	2483.50	2.00	0.00	-57.18	40.02	54	Pass





