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

Product Name: Bluetooth earbuds
Trade Mark: N/A

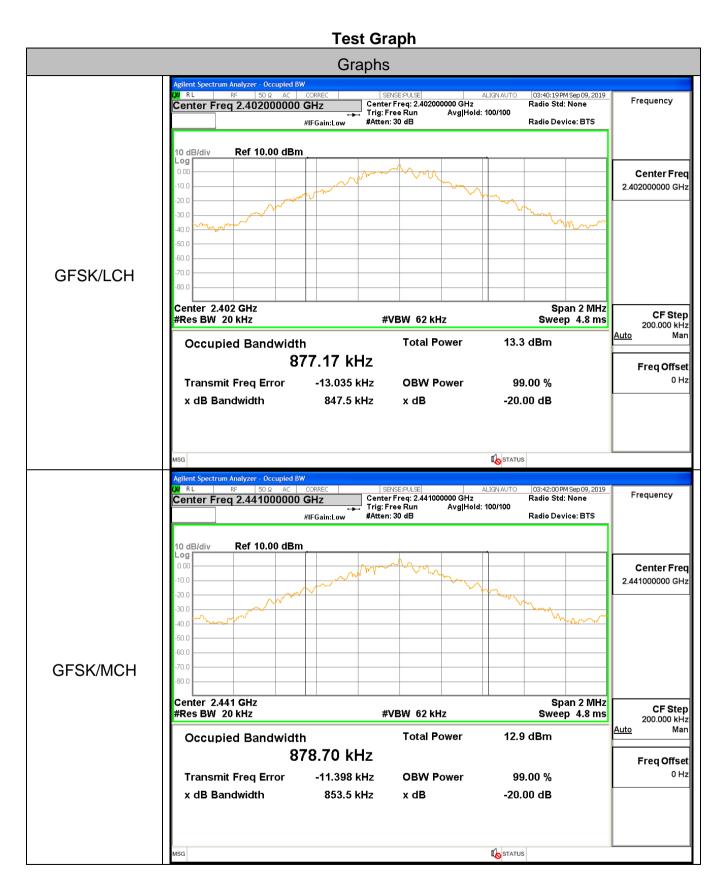
Test Model: D05 FCC ID: 2AJN6-D05

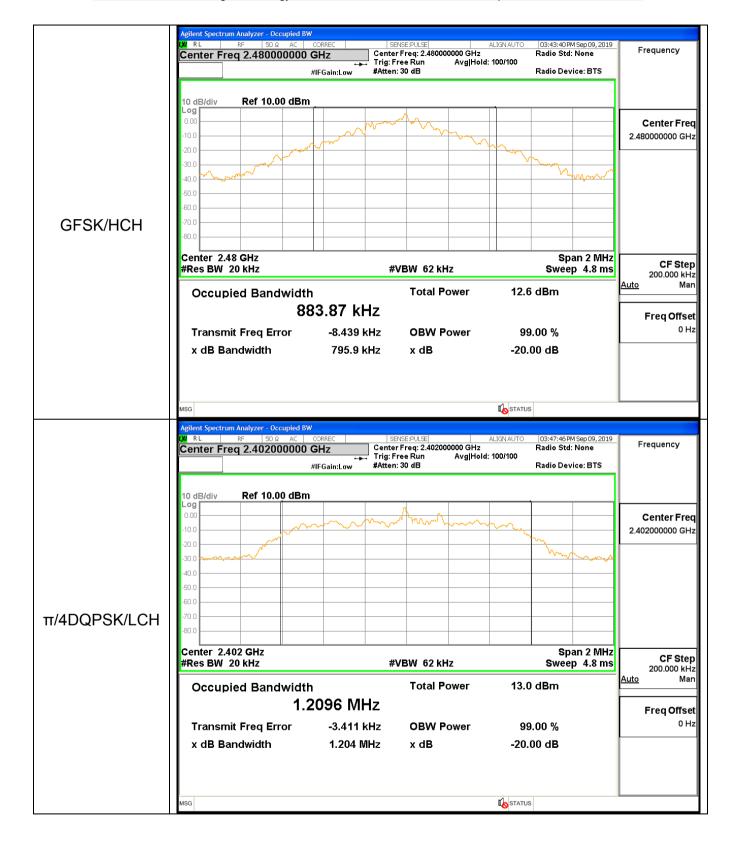
Environmental Conditions

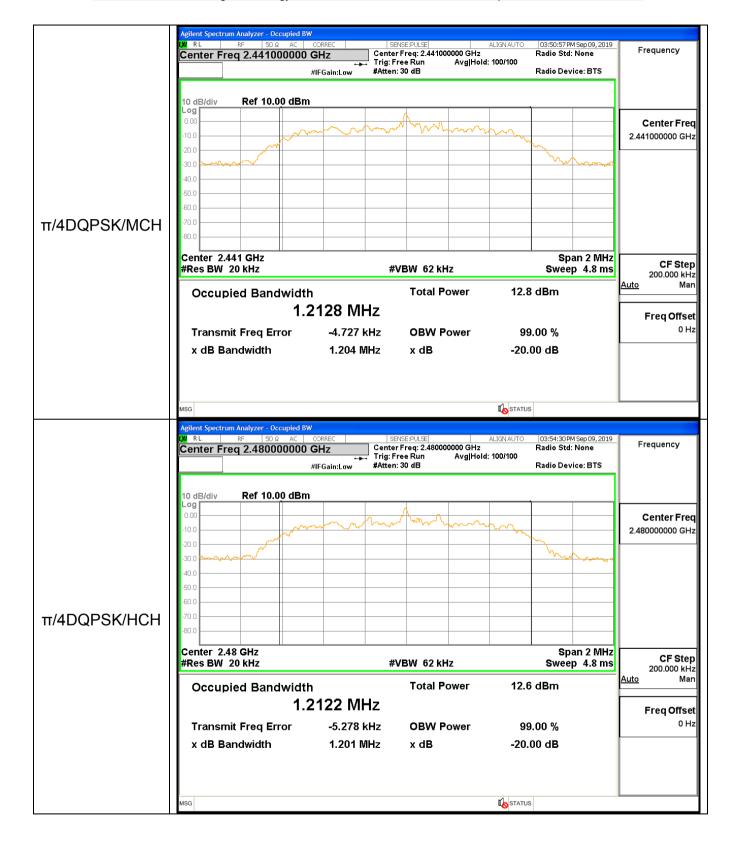
Temperature:	22.7° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

A.1 20 dB Bandwidth

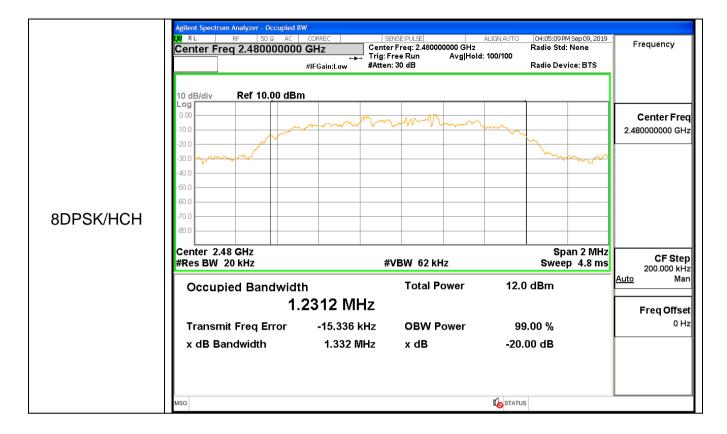
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.848	Not Specified	PASS
GFSK	MCH	0.853	Not Specified	PASS
GFSK	HCH	0.796	0.796 Not Specified	
π/4DQPSK	LCH	1.204	1.204 Not Specified	
π/4DQPSK	MCH	1.204	Not Specified	PASS
π/4DQPSK	HCH	1.201 Not Spec		PASS
8DPSK	LCH	1.246	Not Specified	PASS
8DPSK	MCH	1.245	Not Specified	PASS
8DPSK	HCH	1.332	Not Specified	PASS







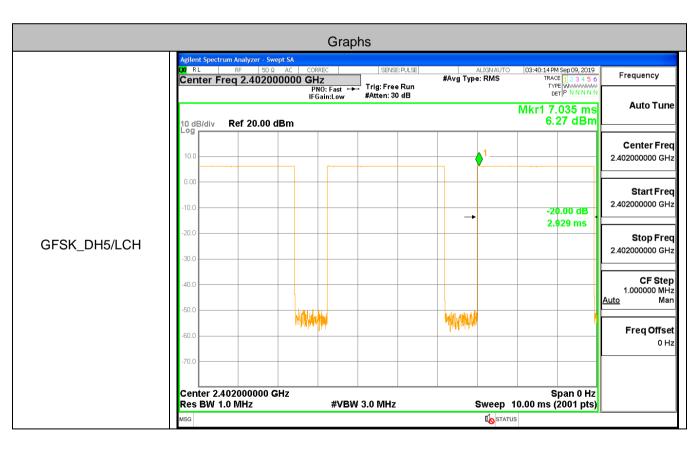


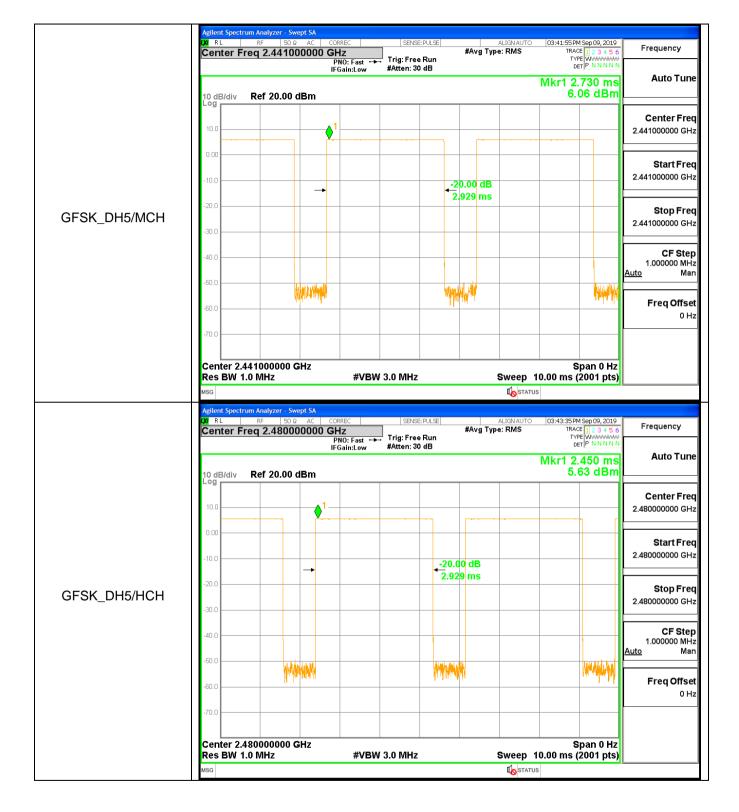


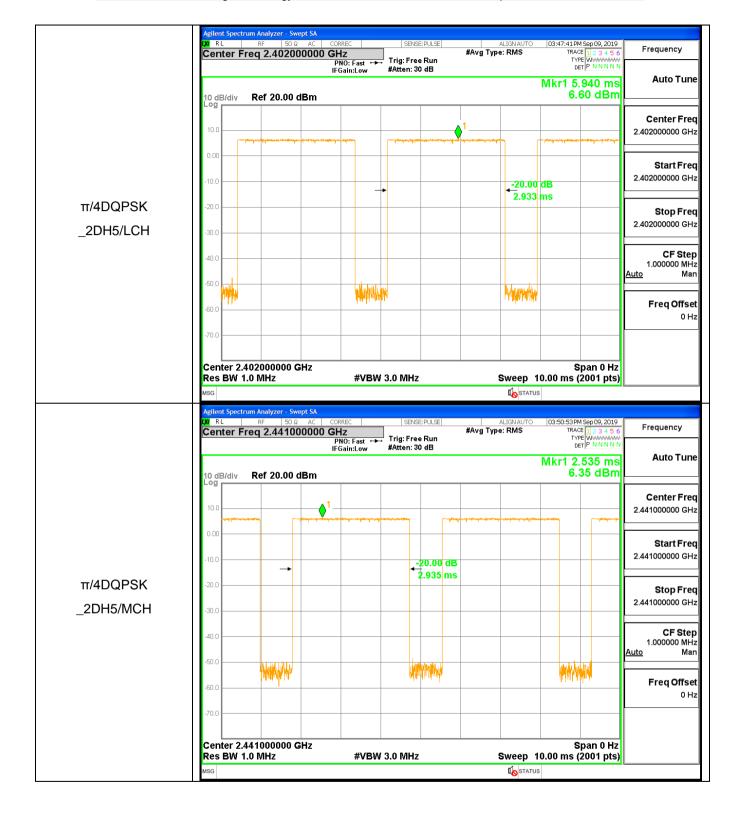
A.2 Dwell Time

Mode	Packet	Chann el	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdic t
GFSK	DH5	LCH	0.002929	106.7	0.312485	0.4	PASS
GFSK	DH5	мсн	0.002929	106.7	0.312478	0.4	PASS
GFSK	DH5	НСН	0.002929	106.7	0.312488	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002933	106.7	0.312974	0.4	PASS
π/4DQPSK	2DH5	мсн	0.002935	106.7	0.313149	0.4	PASS
π/4DQPSK	2DH5	НСН	0.002934	106.7	0.313034	0.4	PASS
8DPSK	3DH5	LCH	0.002937	106.7	0.313326	0.4	PASS
8DPSK	3DH5	мсн	0.002938	106.7	0.313482	0.4	PASS
8DPSK	3DH5	НСН	0.002938	106.7	0.313494	0.4	PASS

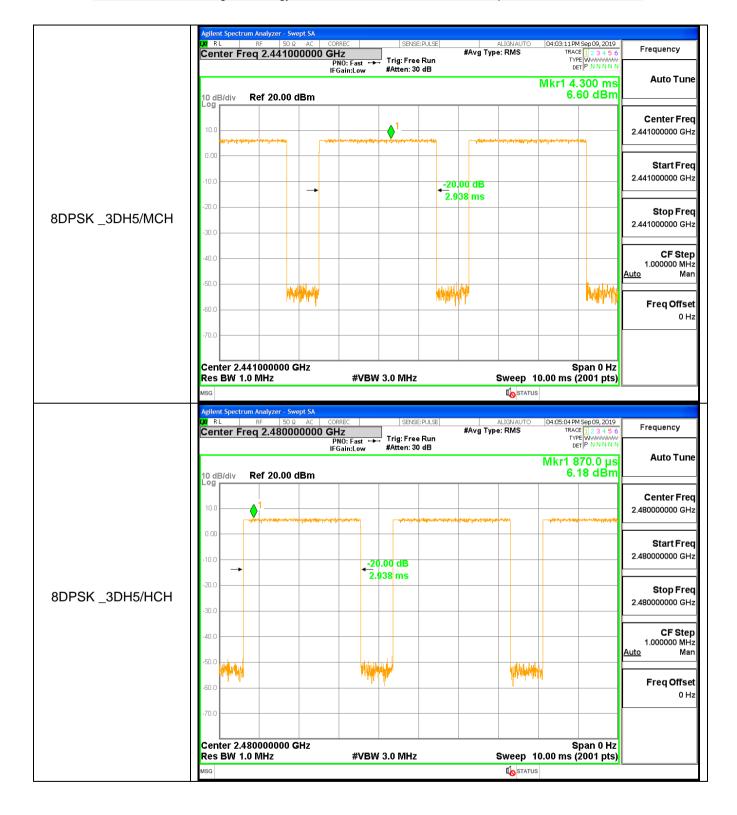
Test Graph







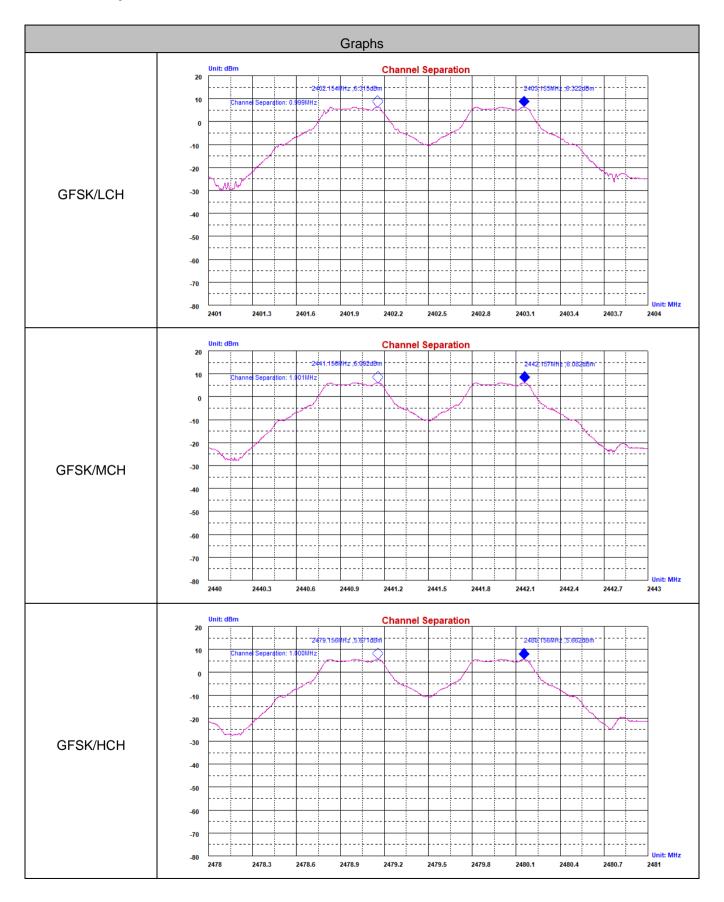


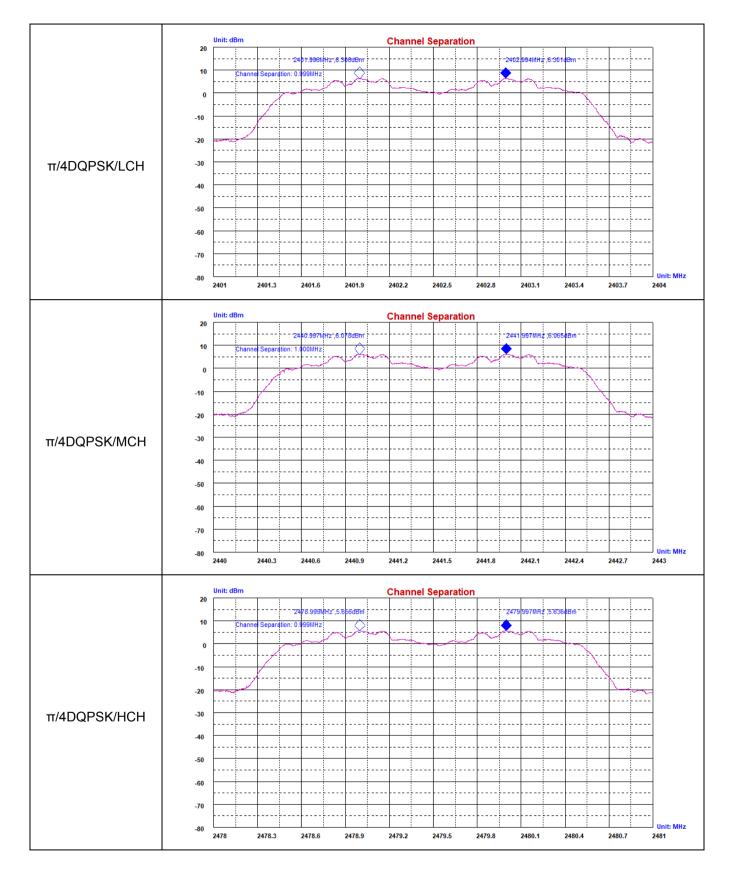


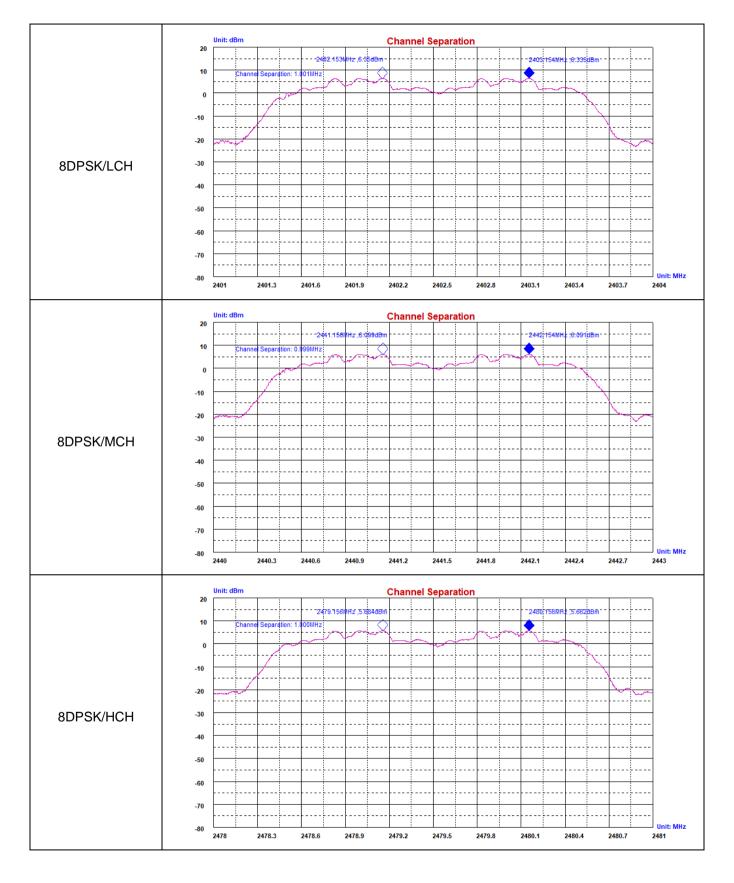
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.999	0.565	PASS
GFSK	MCH	1.001	0.569	PASS
GFSK	HCH	1.000	0.531	PASS
π/4DQPSK	LCH	0.999	0.803	PASS
π/4DQPSK	MCH	1.000	0.803	PASS
π/4DQPSK	HCH	0.999	0.801	PASS
8DPSK	LCH	1.001	0.831	PASS
8DPSK	MCH	0.999	0.830	PASS
8DPSK	HCH	1.000	0.888	PASS

Test Graph



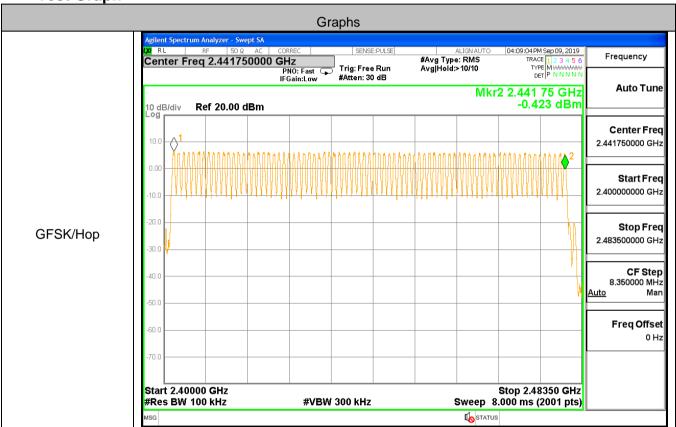




A.4 Hopping Channel Number

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



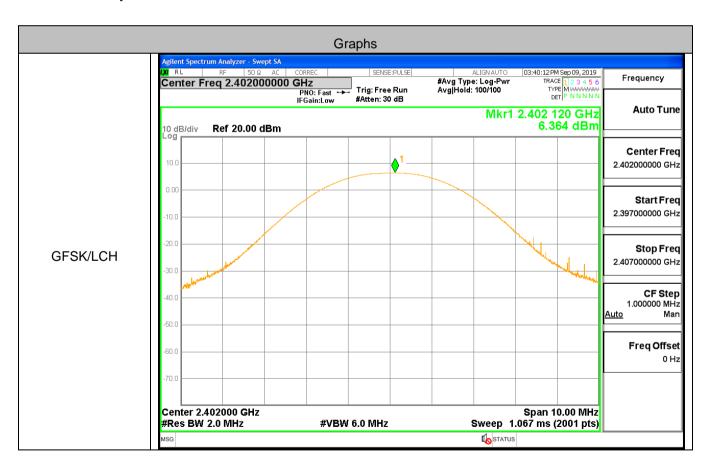


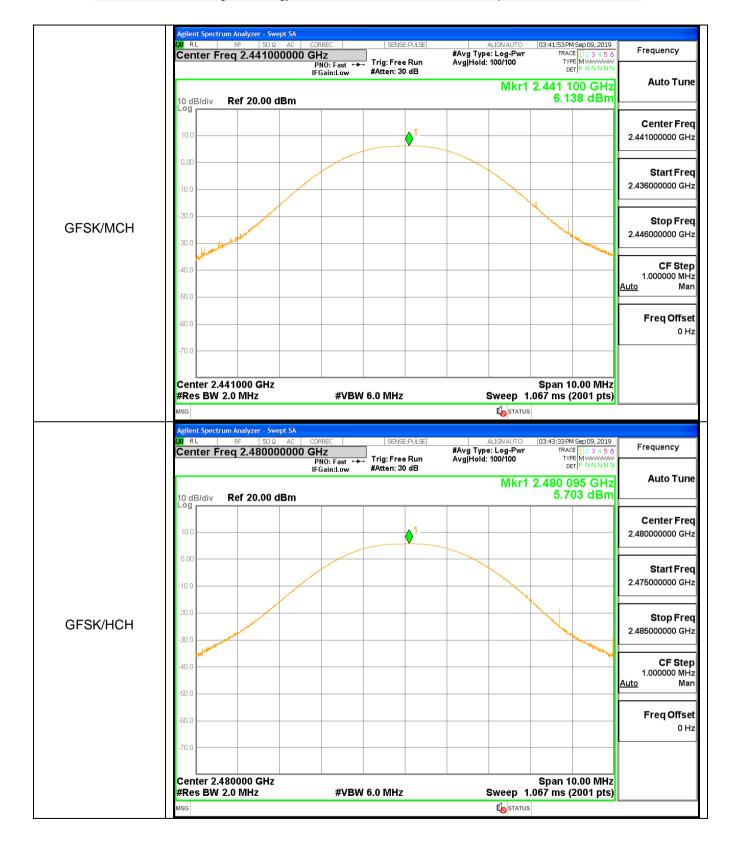


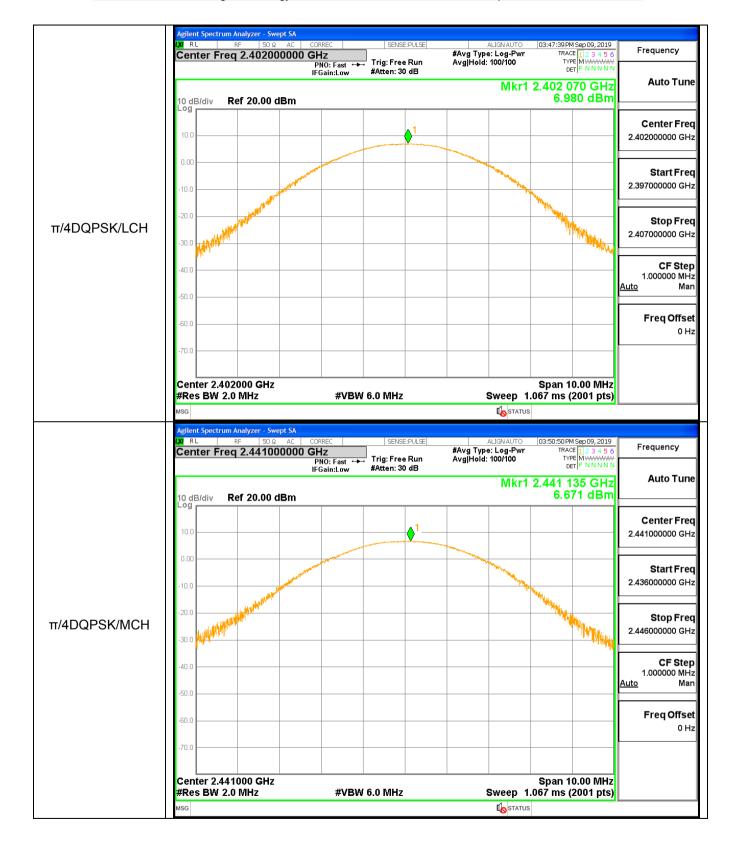
A.5 Conducted Peak Output Power

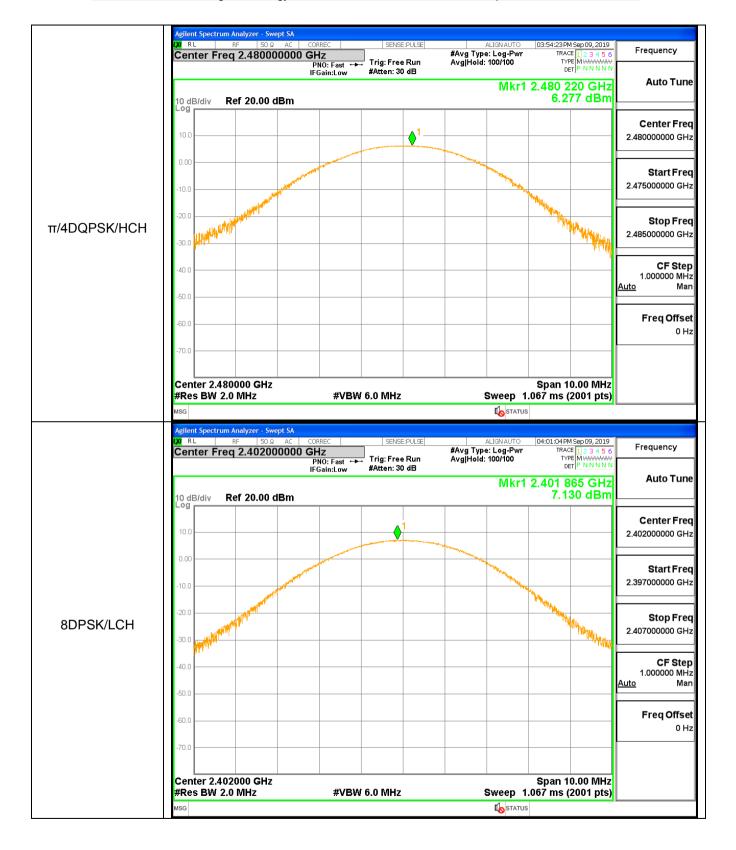
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	6.364	21	PASS
GFSK	MCH	6.138	21	PASS
GFSK	HCH 5.703		21	PASS
π/4DQPSK	LCH	6.980	21	PASS
π/4DQPSK	MCH	6.671	21	PASS
π/4DQPSK	НСН	6.277	21	PASS
8DPSK	LCH	7.130	21	PASS
8DPSK	MCH	6.837	21	PASS
8DPSK	НСН	6.439	21	PASS

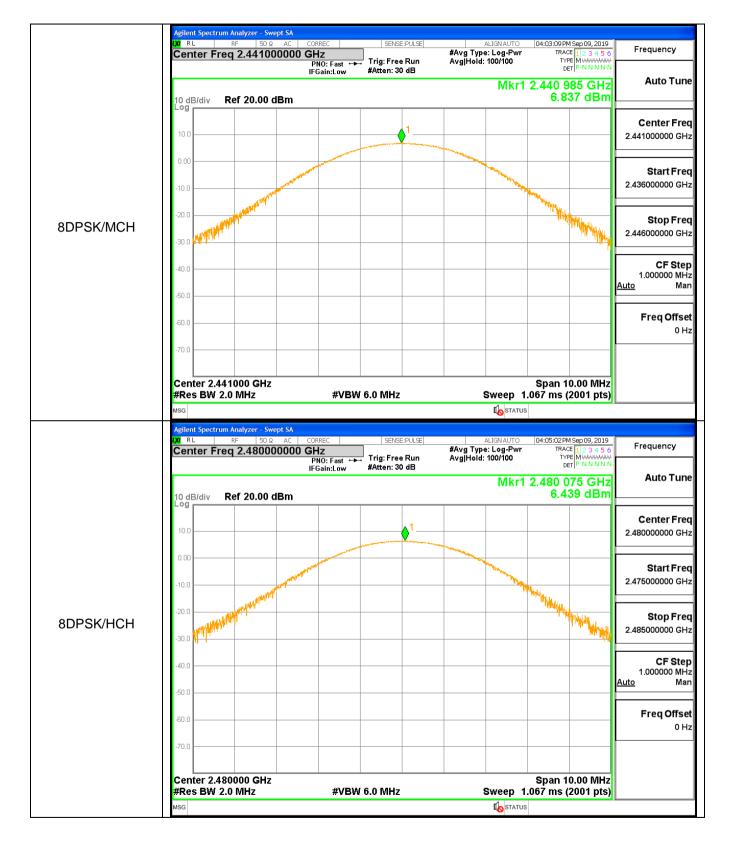
Test Graph







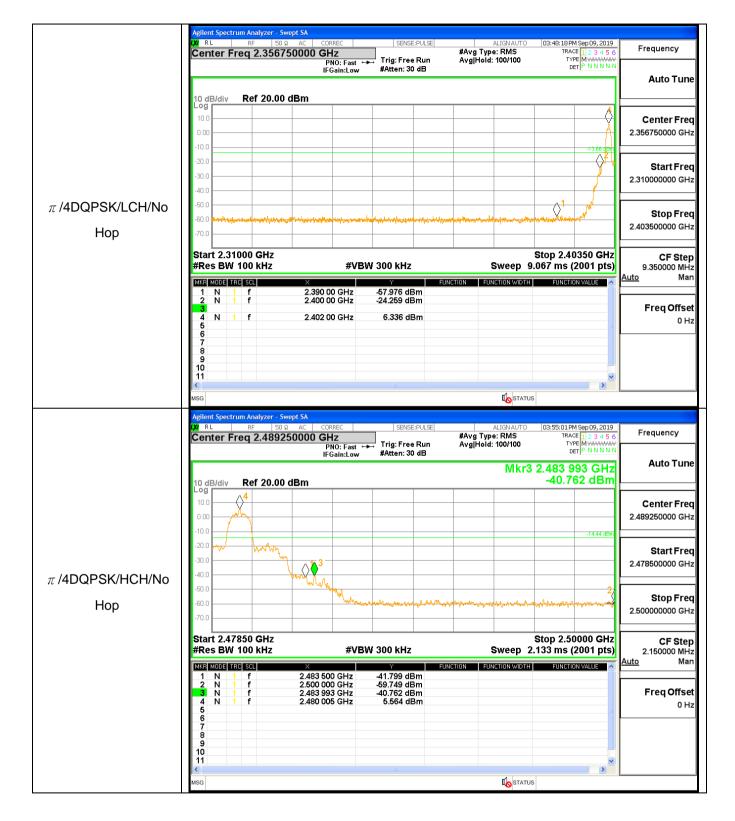




A.6 Band-edge for RF Conducted Emissions

Туре	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2400	6.395	-23.96	-13.605	Pass
1DH5	2480	2483.51	5.169	-41.784	-14.831	Pass
2DH5	2402	2400	6.336	-24.26	-13.664	Pass
2DH5	2480	2483.993	5.564	-40.762	-14.436	Pass
3DH5	2402	2400	6.207	-27.5	-13.793	Pass
3DH5	2480	2483.5	5.701	-38.83	-14.299	Pass
1DH5-Hopping	2402	2400	6.381	-24.038	-13.619	Pass
1DH5-Hopping	2480	2483.5	5.994	-41.677	-14.006	Pass
2DH5-Hopping	2402	2400	6.300	-24.03	-13.700	Pass
2DH5-Hopping	2480	2483.5	5.784	-40.12	-14.216	Pass
3DH5-Hopping	2402	2400	6.323	-28.4	-13.677	Pass
3DH5-Hopping	2480	2483.5	5.943	-42.01	-14.057	Pass

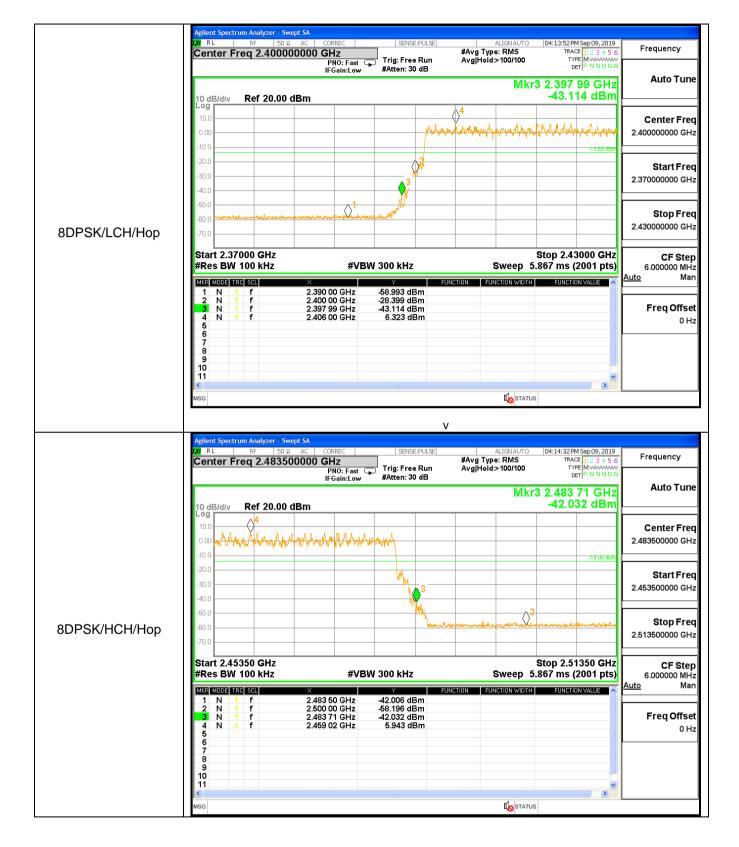




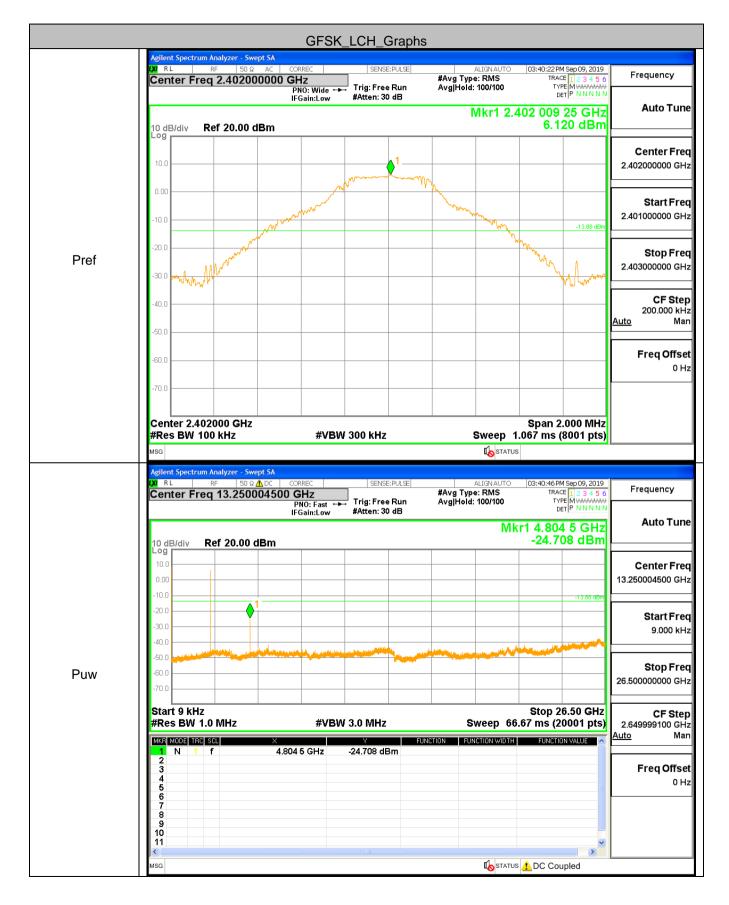


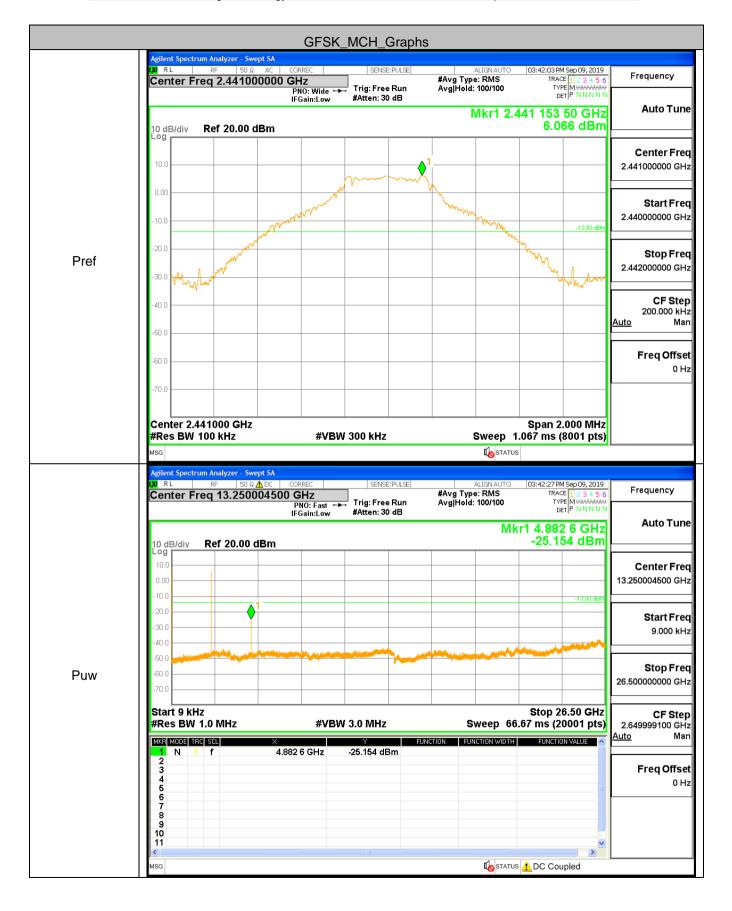


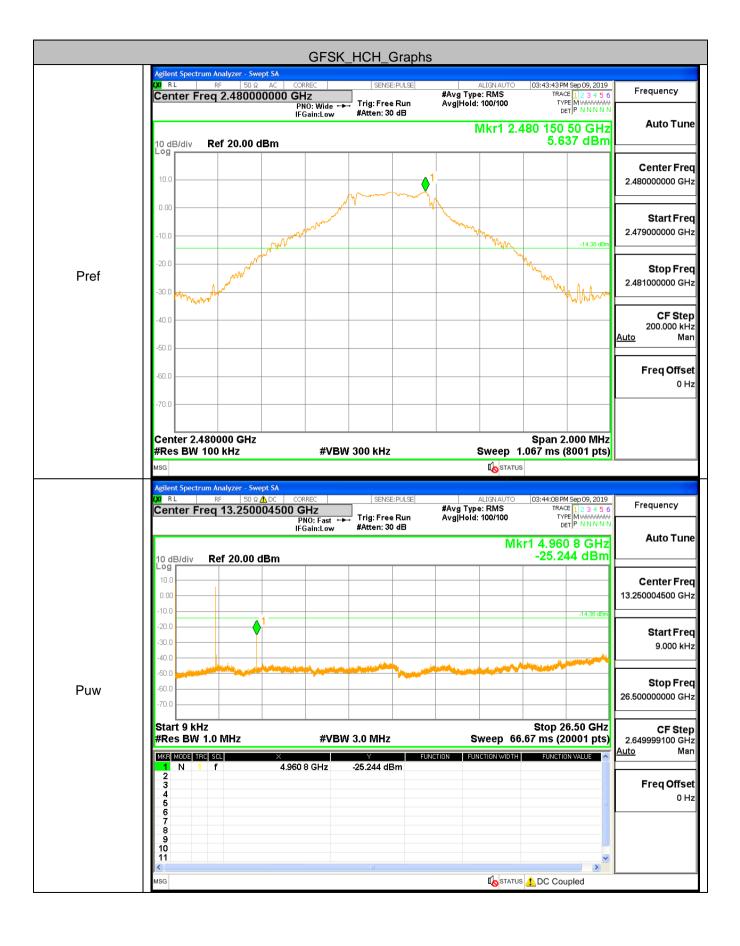


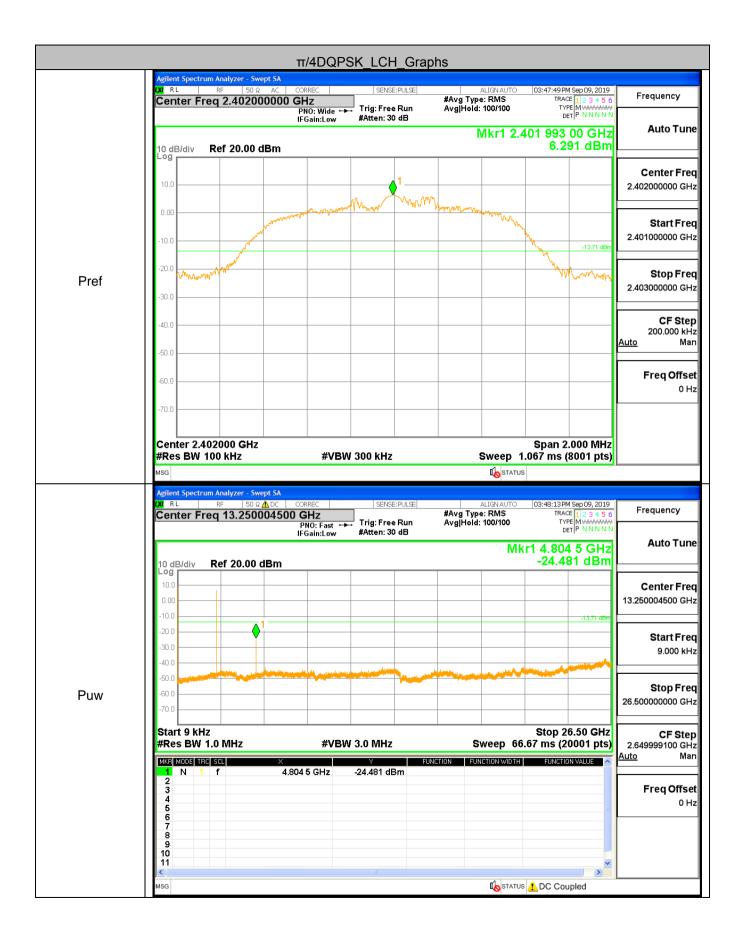


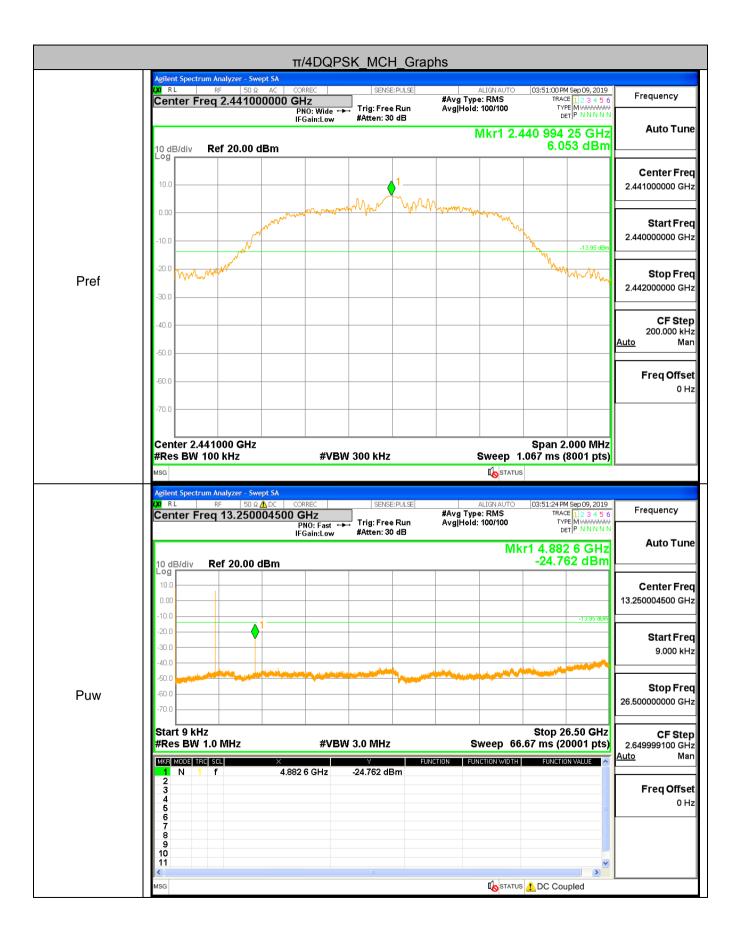
A.7 RF Conducted Spurious Emissions Test Graph

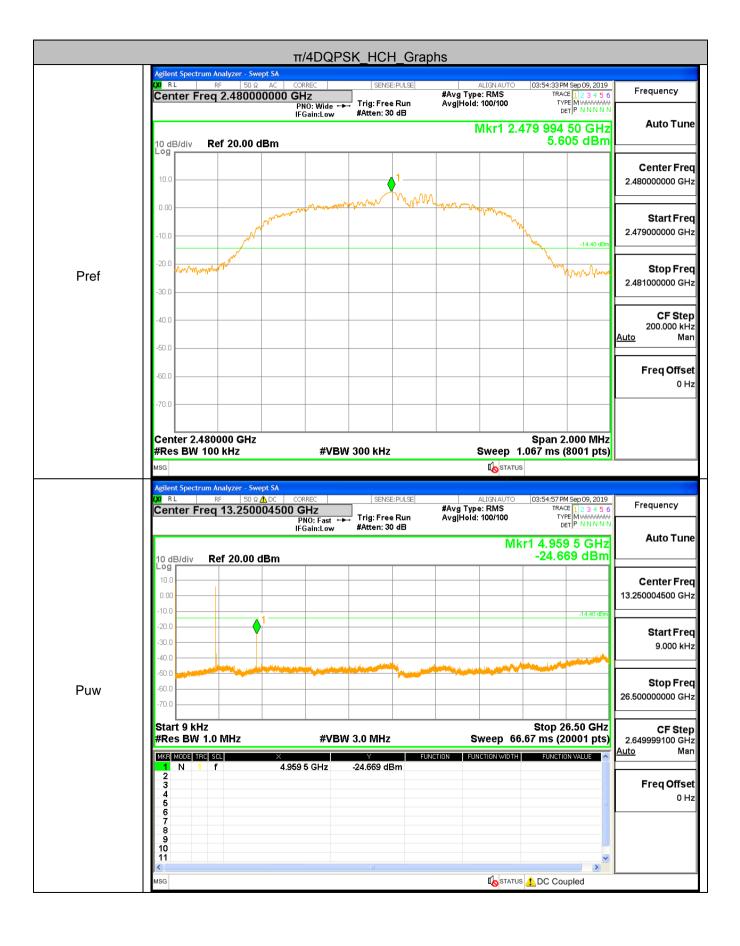


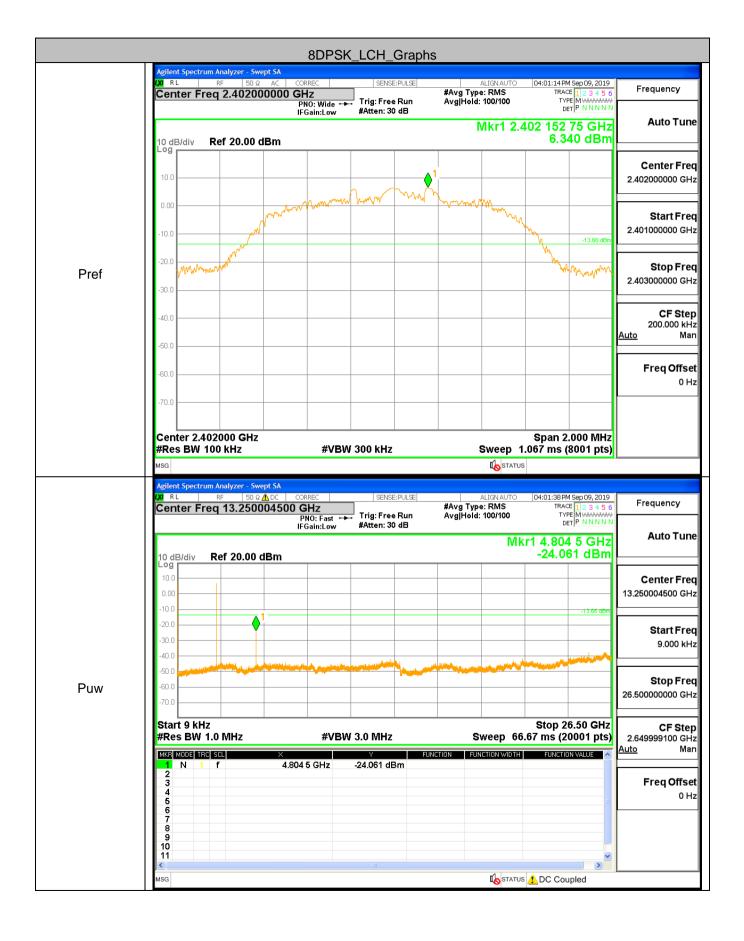


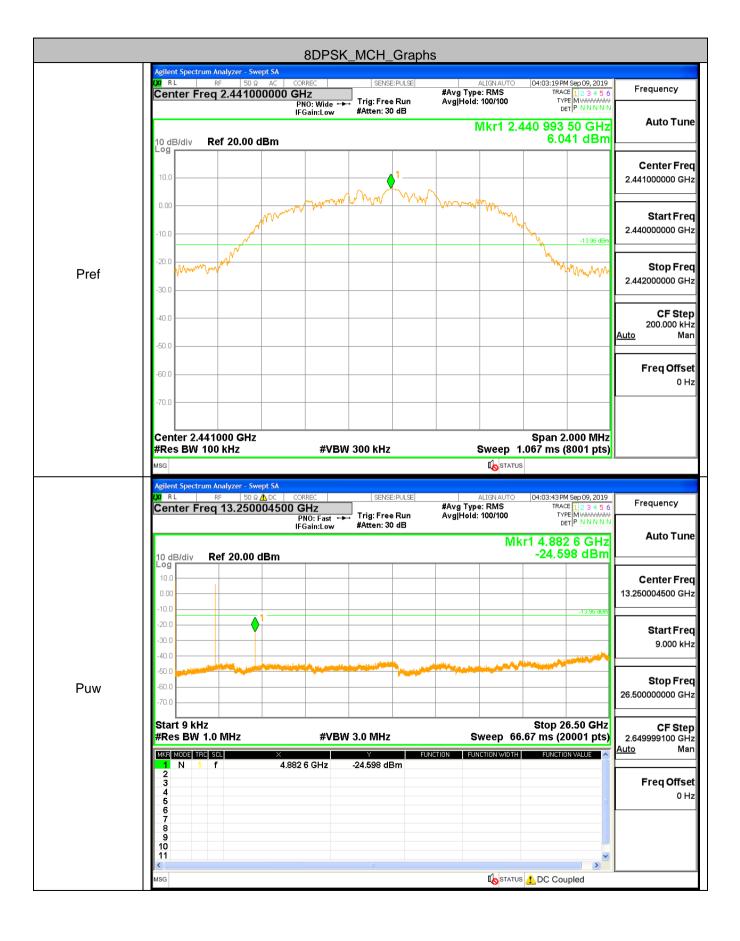


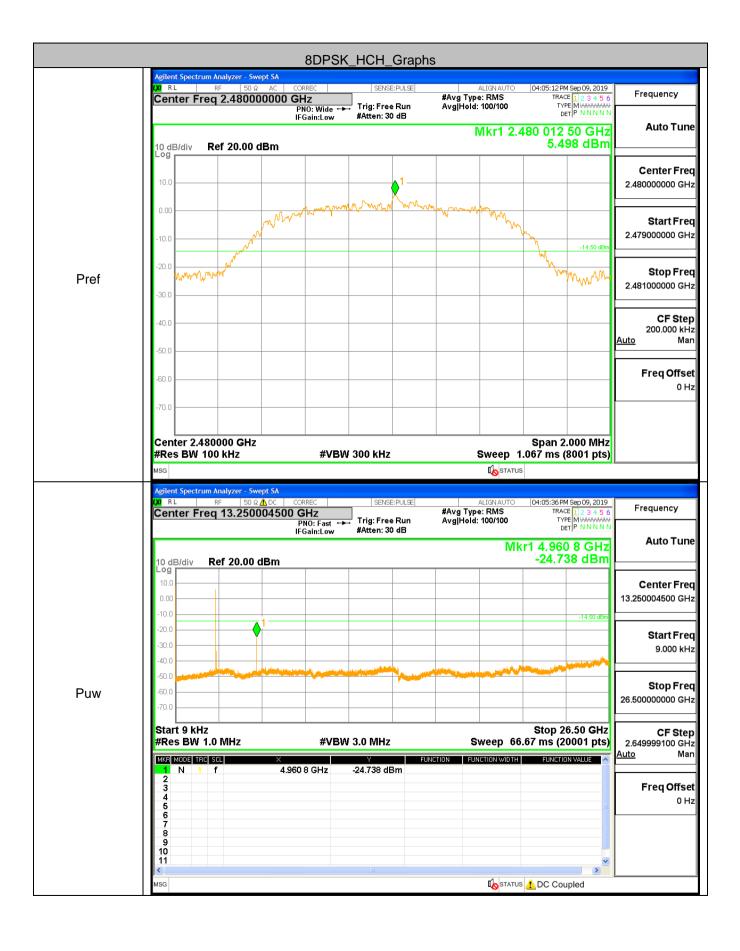












A.8 Restrict-band band-edge measurements

Туре	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2351.33	2.00	0.00	-43.84	53.36	74	Pass
1DH5	2480	2483.50	2.00	0.00	-44.73	52.47	74	Pass
2DH5	2402	2380.92	2.00	0.00	-44.41	52.79	74	Pass
2DH5	2480	2483.50	2.00	0.00	-47.04	50.16	74	Pass
3DH5	2402	2390.00	2.00	0.00	-47.62	49.58	74	Pass
3DH5	2480	2483.50	2.00	0.00	-46.84	50.36	74	Pass

Туре	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2351.33	2.00	0.00	-55.19	42.01	54	Pass
1DH5	2480	2483.50	2.00	0.00	-52.78	44.42	54	Pass
2DH5	2402	2380.92	2.00	0.00	-55.60	41.60	54	Pass
2DH5	2480	2483.50	2.00	0.00	-52.72	44.48	54	Pass
3DH5	2402	2390.00	2.00	0.00	-55.58	41.62	54	Pass
3DH5	2480	2483.50	2.00	0.00	-52.72	44.48	54	Pass





