Appendix A

RF Test Data for BT V4.0 (BDR/EDR) (Conducted Measurement)

Product Name: LTE GSM/WCDMA Smartphone

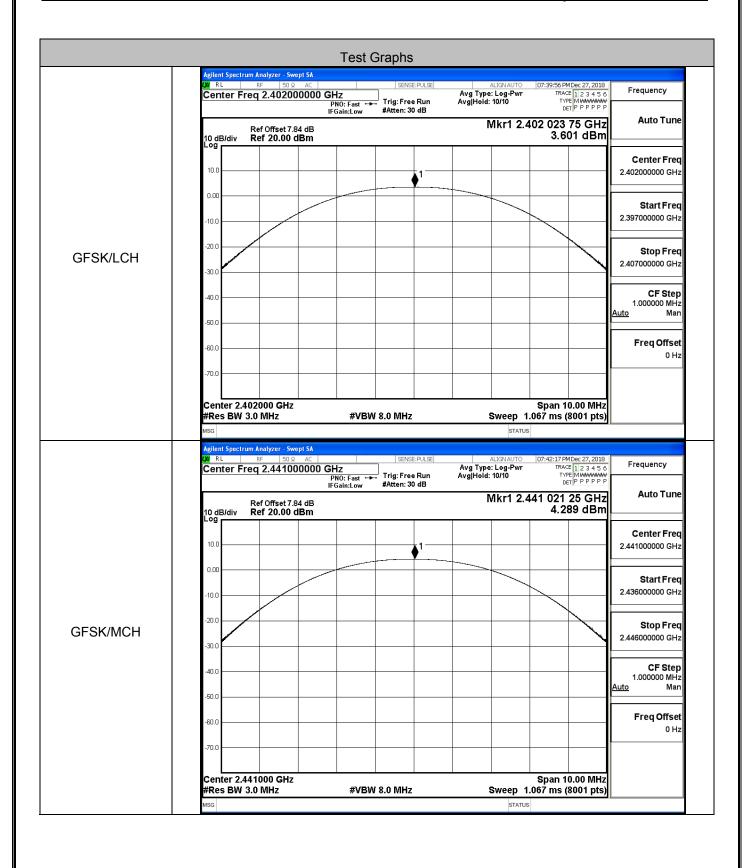
Trade Mark: DOOGEE Test Model: S60 Lite

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Maximum Average Output Power [dBm]	Limit [dBm]	Verdict
	LCH	3.601	1.845	30	PASS
GFSK	MCH	4.289	2.323	30	PASS
	HCH	3.767	1.365	30	PASS
	LCH	2.889	1.025	21	PASS
π/4DQPSK	MCH	3.672	1.846	21	PASS
	НСН	3.039	1.251	21	PASS
8DPSK	LCH	2.934	1.036	21	PASS
	MCH	3.734	1.254	21	PASS
	НСН	3.082	1.649	21	PASS



#VBW 8.0 MHz

Span 10.00 MHz Sweep 1.067 ms (8001 pts)

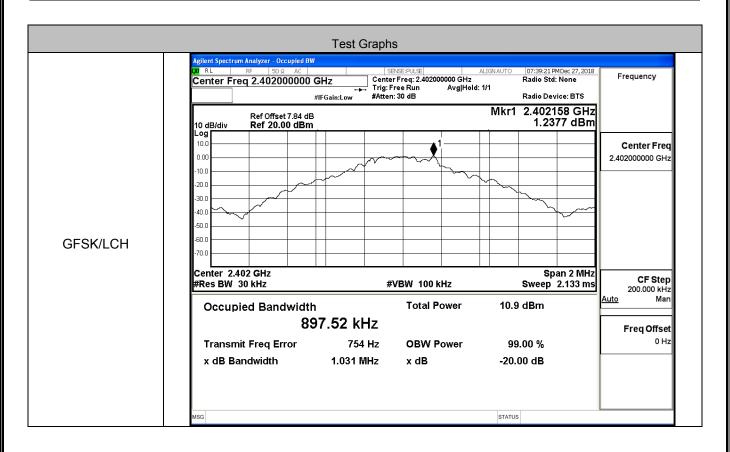
STATUS

-70.0

Center 2.480000 GHz #Res BW 3.0 MHz

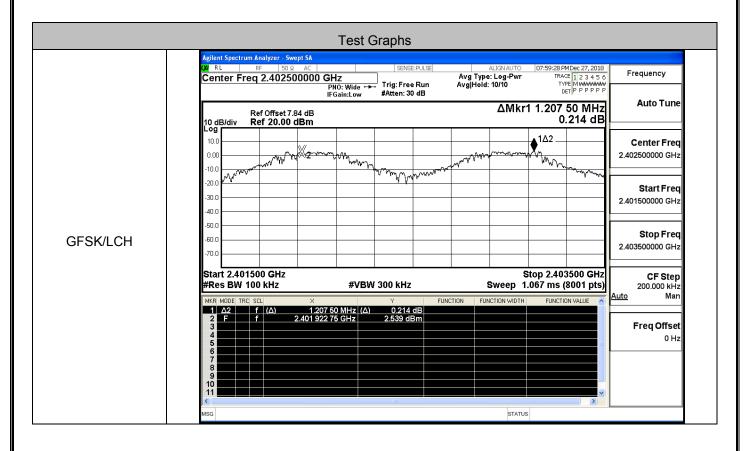
A.2 20dB Bandwidth

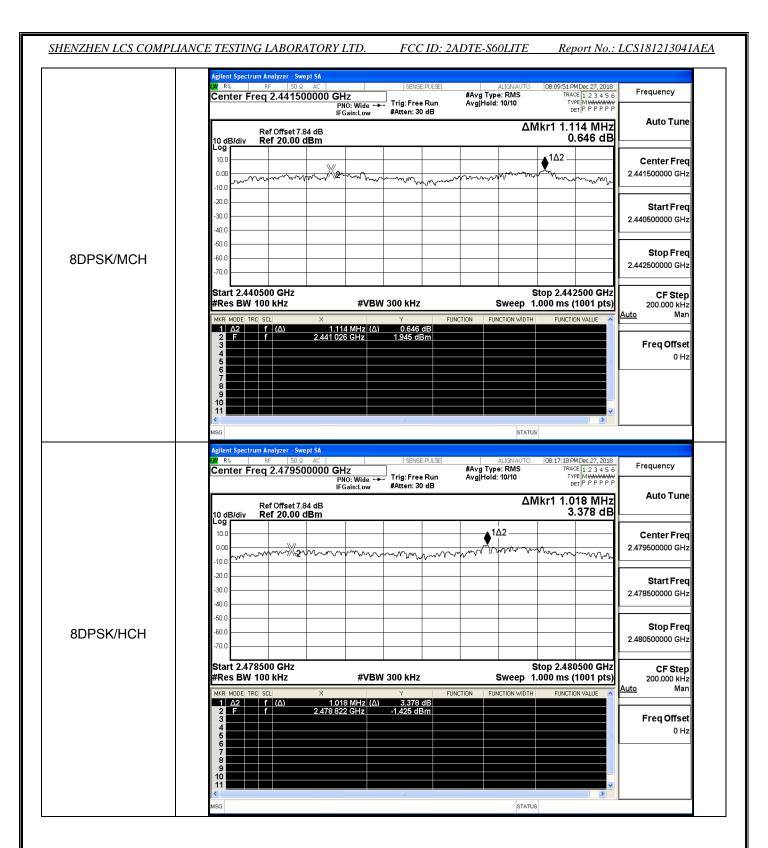
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	1.031	Not Specified	PASS
GFSK	MCH	1.038	Not Specified	PASS
	HCH	1.036	Not Specified	PASS
	LCH	1.289	Not Specified	PASS
π/4DQPSK	MCH	1.310	Not Specified	PASS
	HCH	1.289	Not Specified	PASS
	LCH	1.304	Not Specified	PASS
8DPSK	MCH	1.294	Not Specified	PASS
	HCH	1.293	Not Specified	PASS



A.3 Carrier Frequency Separation

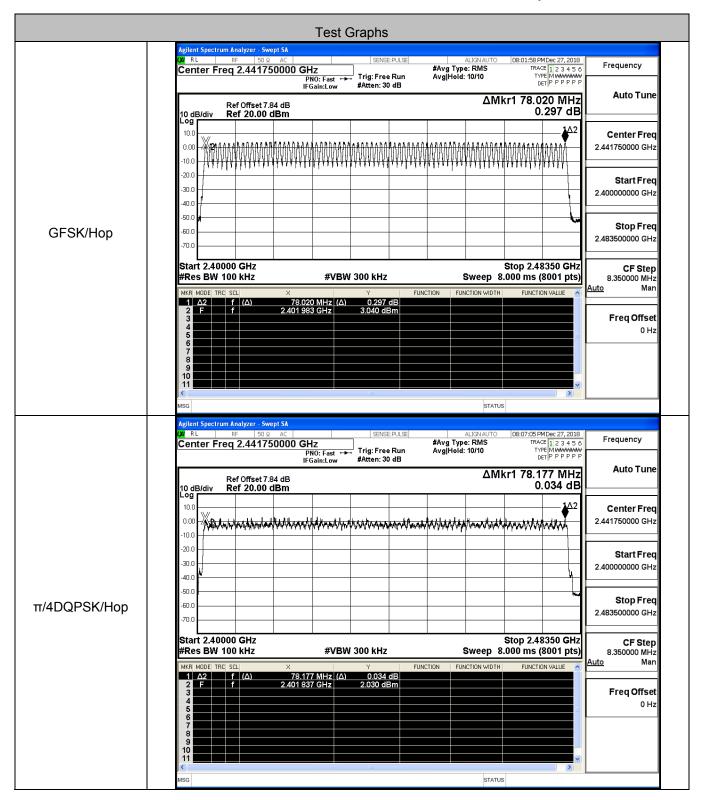
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.207	0.692	PASS
GFSK	MCH	0.940	0.692	PASS
	HCH	0.804	0.692	PASS
π/4DQPSK	LCH	0.992	0.873	PASS
	MCH	0.874	0.873	PASS
	НСН	1.122	0.873	PASS
	LCH	0.928	0.869	PASS
8DPSK	MCH	1.114	0.869	PASS
	HCH	1.018	0.869	PASS





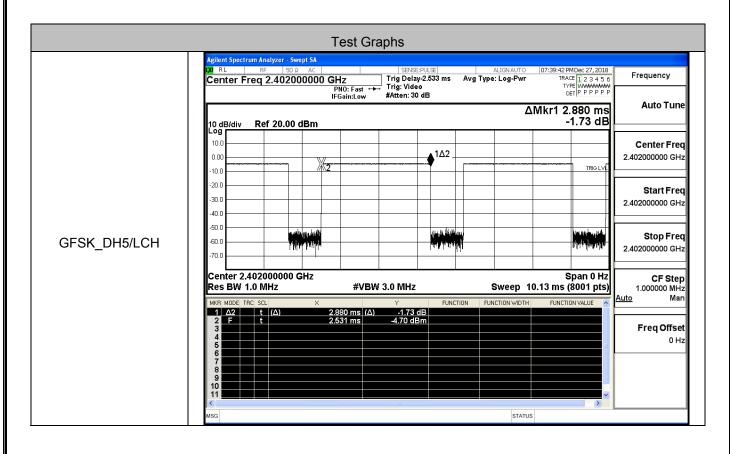
A.4 Hopping Channel Number

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



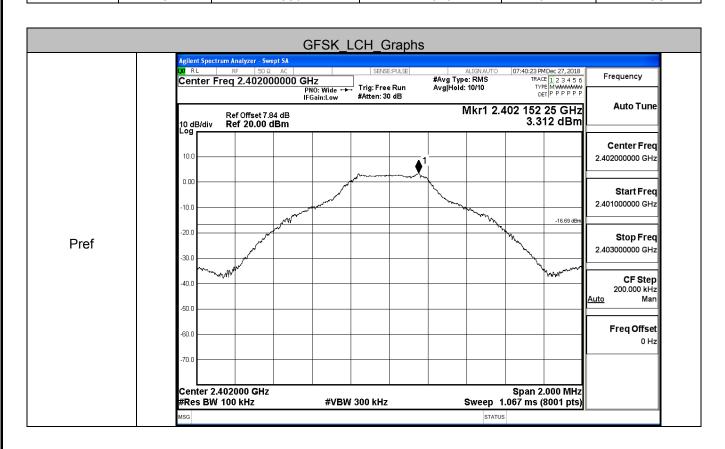
A.5 Dwell Time

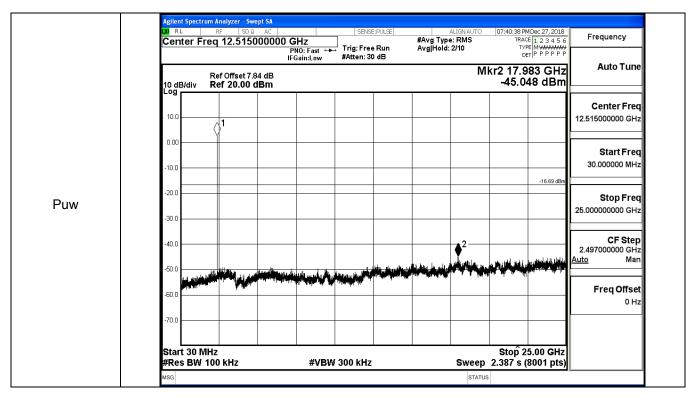
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	МСН	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
	3DH5	LCH	2.88	106.7	0.308	0.4	PASS
8DPSK	3DH5	MCH	2.88	106.7	0.308	0.4	PASS
	3DH5	HCH	2.88	106.7	0.308	0.4	PASS

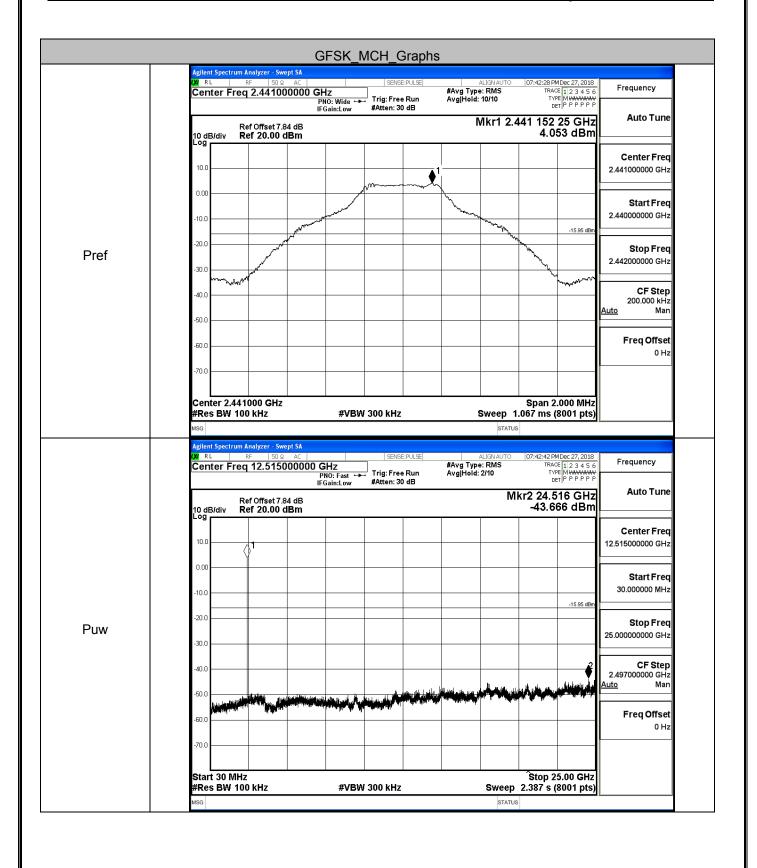


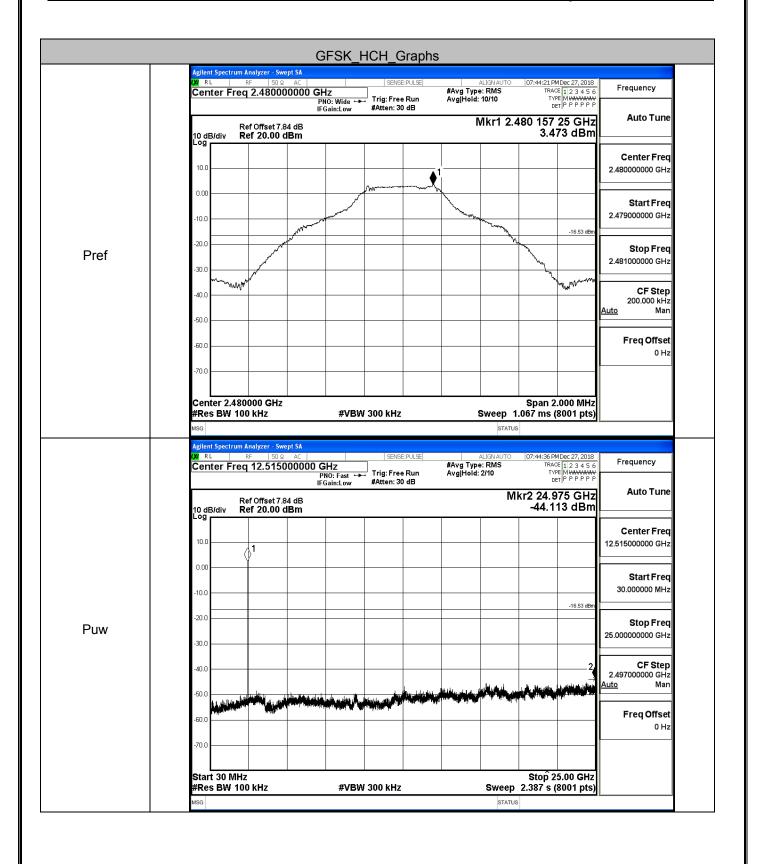
A.6 RF Conducted Spurious Emissions

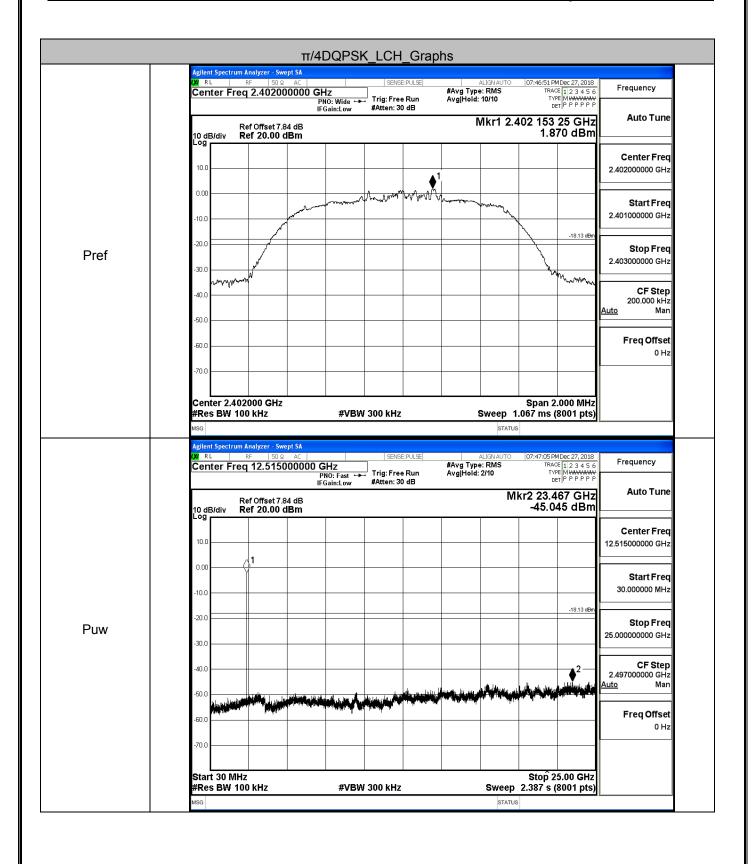
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	3.312	-45.048	-16.688	PASS
GFSK	MCH	4.053	-43.666	-15.947	PASS
	HCH	3.473	-44.113	-16.527	PASS
	LCH	1.87	-45.045	-18.130	PASS
π/4DQPSK	MCH	2.9	-44.520	-17.100	PASS
	HCH	1.417	-44.489	-18.583	PASS
	LCH	1.926	-44.801	-18.074	PASS
8DPSK	MCH	2.64	-44.852	-17.360	PASS
	HCH	1.886	-44.879	-18.114	PASS

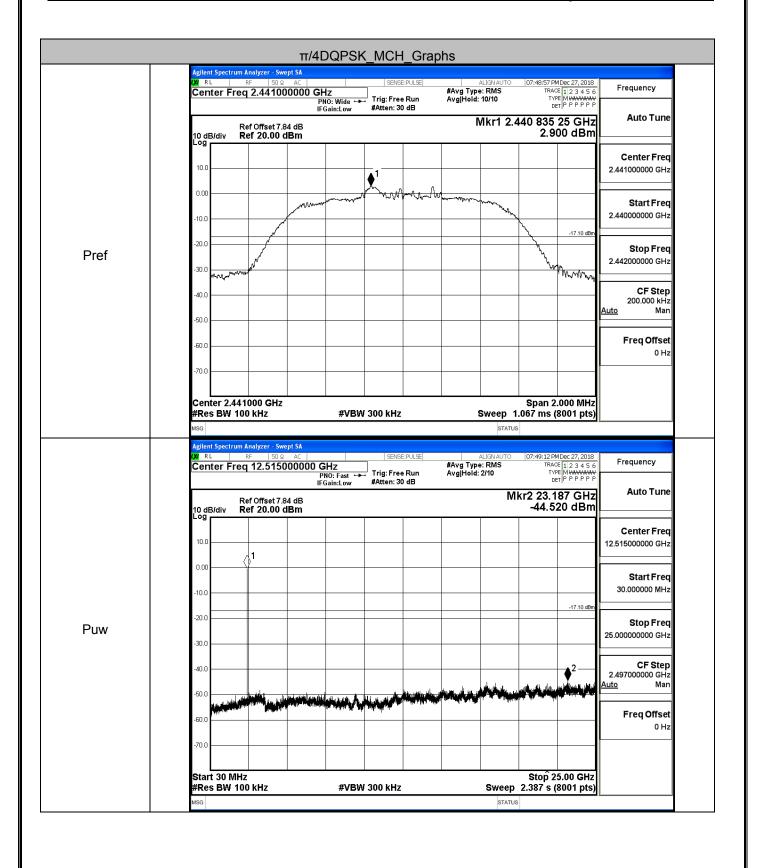


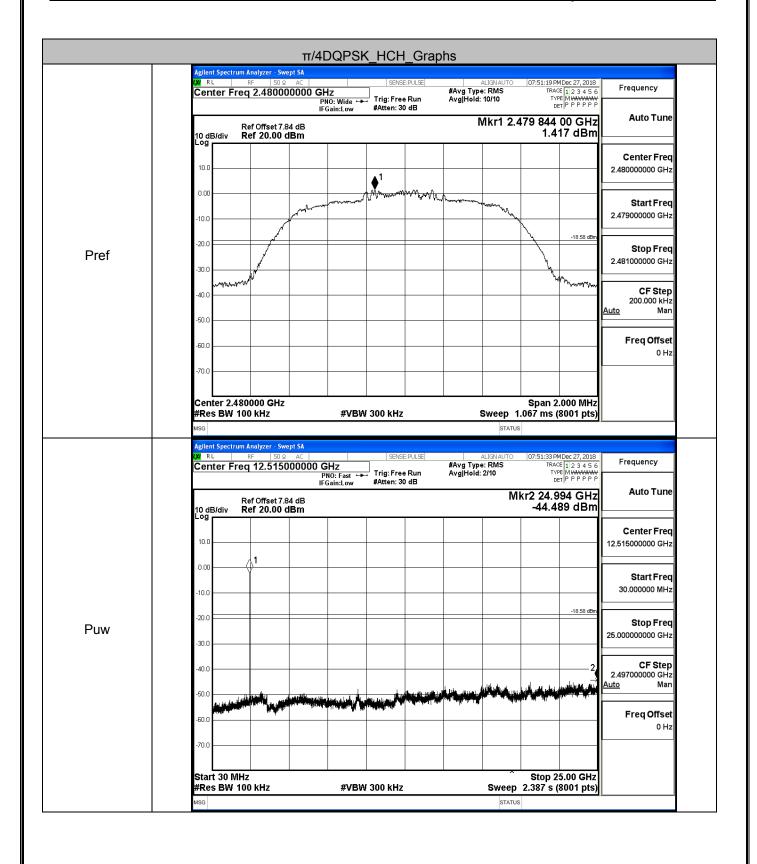


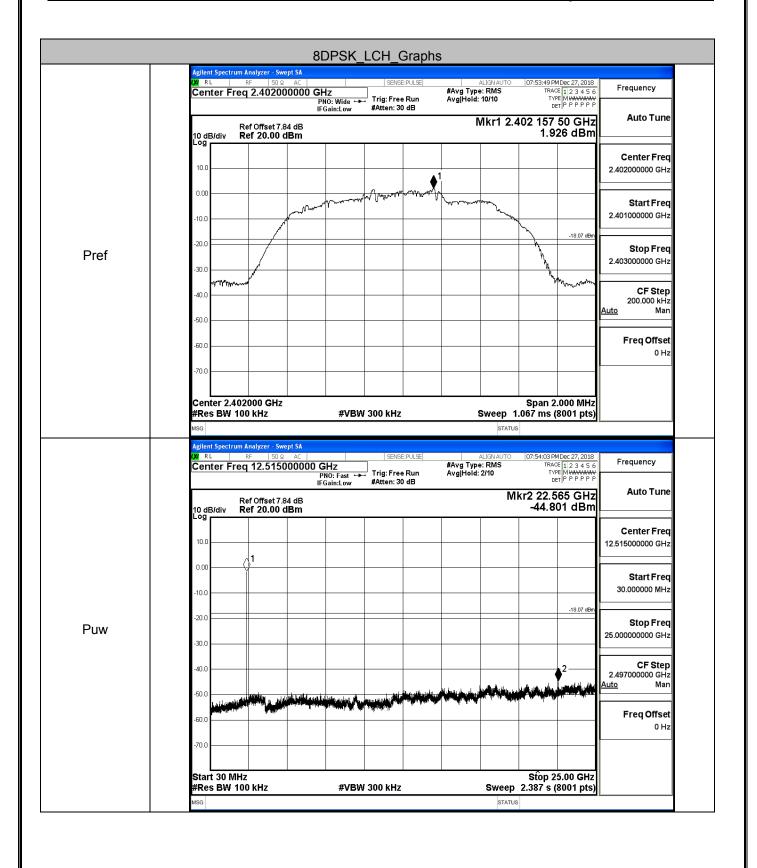


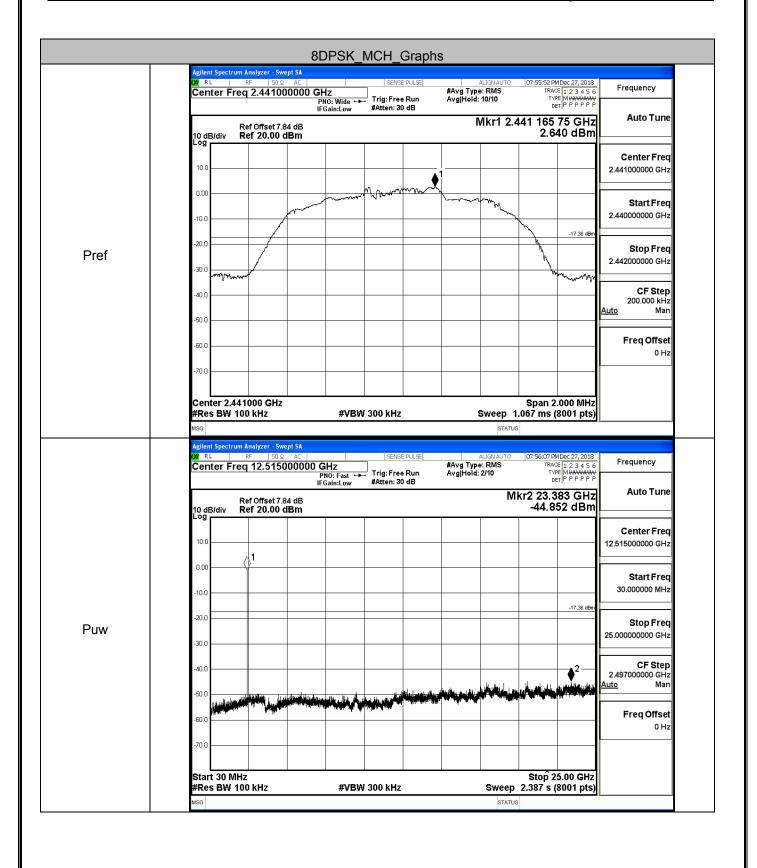


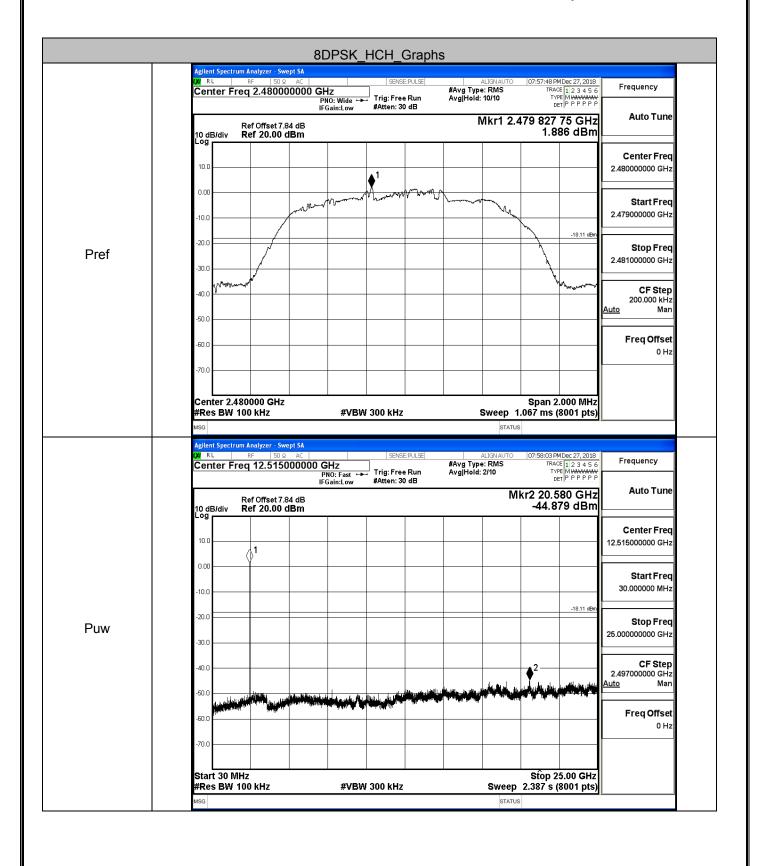






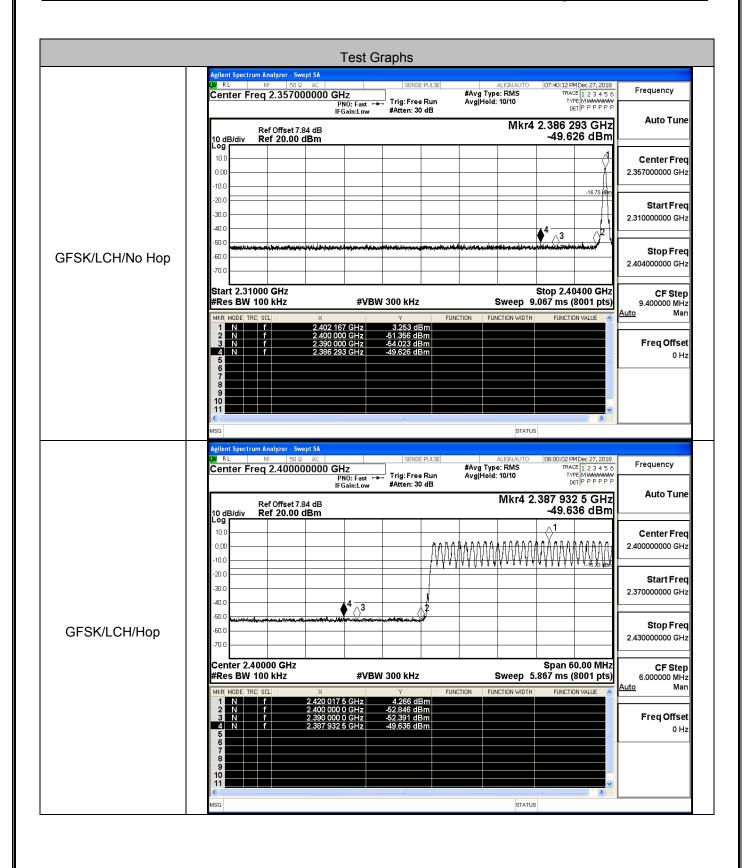






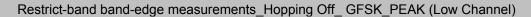
A.7 Band-edge for RF Conducted Emissions

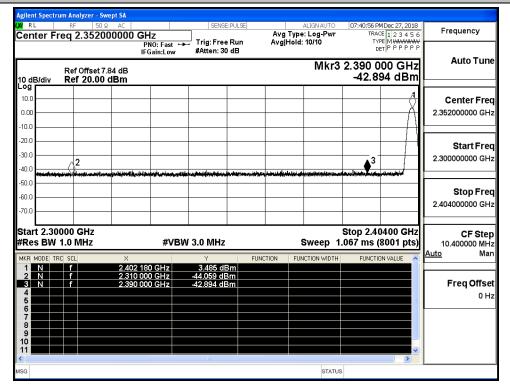
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	3.253	Off	-49.626	-16.75	PASS
0501	LCH	2402	4.266	On	-49.636	-15.73	PASS
GFSK	нсн		3.523	Off	-49.960	-16.48	PASS
		2480	3.876	On	-49.248	-16.12	PASS
	LCH	2402	1.875	Off	-50.146	-18.13	PASS
			3.116	On	-49.342	-16.88	PASS
π/4DQPSK	НСН	2480	2.190	Off	-49.511	-17.81	PASS
			2.817	On	-49.970	-17.18	PASS
			1.961	Off	-49.880	-18.04	PASS
	LCH	2402	2.903	On	-49.264	-17.1	PASS
8DPSK			2.002	Off	-50.306	-18	PASS
	HCH	2480	2.804	On	-49.706	-17.2	PASS



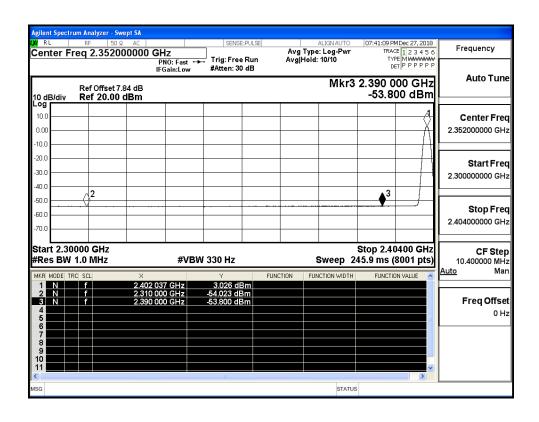
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.06	2.0	0	53.20	PEAK	74	PASS
	Off	2310.0	-54.02	2.0	0	43.23	AV	54	PASS
	Off	2390.0	-42.89	2.0	0	54.36	PEAK	74	PASS
05014	Off	2390.0	-53.80	2.0	0	43.46	AV	54	PASS
GFSK	Off	2483.5	-43.84	2.0	0	53.42	PEAK	74	PASS
	Off	2483.5	-53.27	2.0	0	43.98	AV	54	PASS
	Off	2500.0	-43.79	2.0	0	53.47	PEAK	74	PASS
	Off	2500.0	-53.33	2.0	0	43.93	AV	54	PASS
	Off	2310.0	-44.04	2.0	0	53.22	PEAK	74	PASS
	Off	2310.0	-54.05	2.0	0	43.21	AV	54	PASS
	Off	2390.0	-44.75	2.0	0	52.50	PEAK	74	PASS
/4D0D0K	Off	2390.0	-53.72	2.0	0	43.54	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.80	2.0	0	53.46	PEAK	74	PASS
	Off	2483.5	-53.08	2.0	0	44.18	AV	54	PASS
	Off	2500.0	-42.69	2.0	0	54.57	PEAK	74	PASS
	Off	2500.0	-53.32	2.0	0	43.94	AV	54	PASS
	Off	2310.0	-43.91	2.0	0	53.35	PEAK	74	PASS
	Off	2310.0	-54.03	2.0	0	43.23	AV	54	PASS
	Off	2390.0	-42.29	2.0	0	54.97	PEAK	74	PASS
00001	Off	2390.0	-53.81	2.0	0	43.45	AV	54	PASS
8DPSK	Off	2483.5	-43.22	2.0	0	54.04	PEAK	74	PASS
	Off	2483.5	-53.26	2.0	0	44.00	AV	54	PASS
	Off	2500.0	-43.15	2.0	0	54.11	PEAK	74	PASS
	Off	2500.0	-53.39	2.0	0	43.87	AV	54	PASS

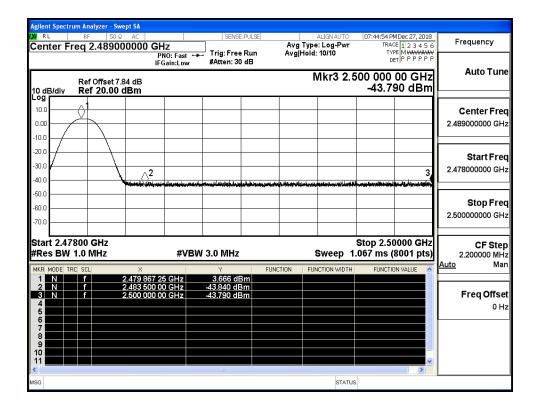




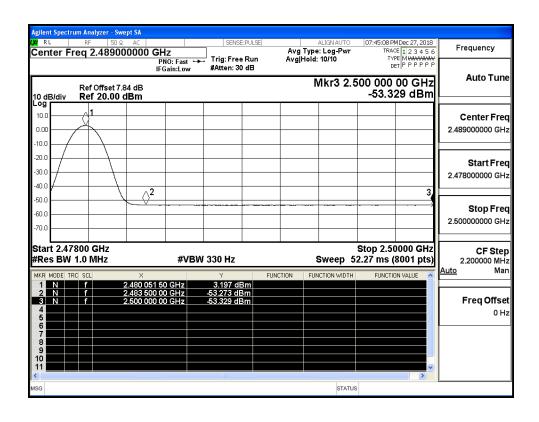
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



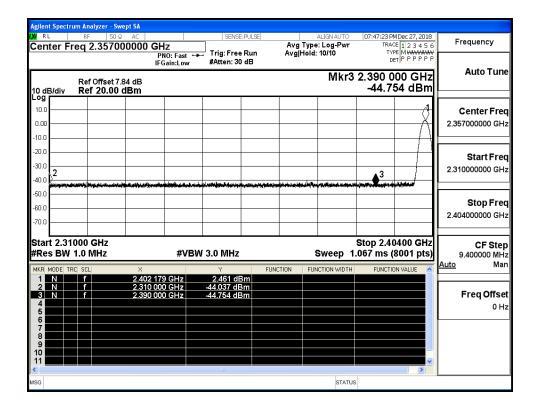
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



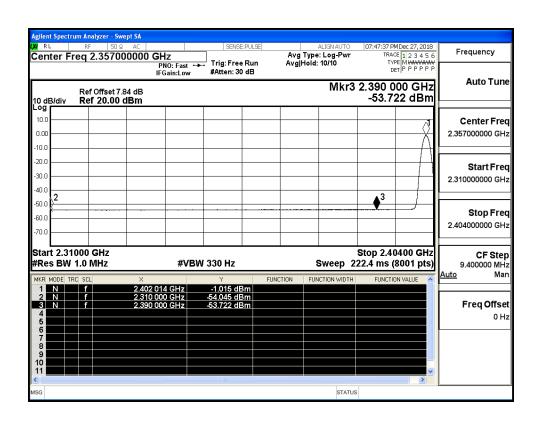
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



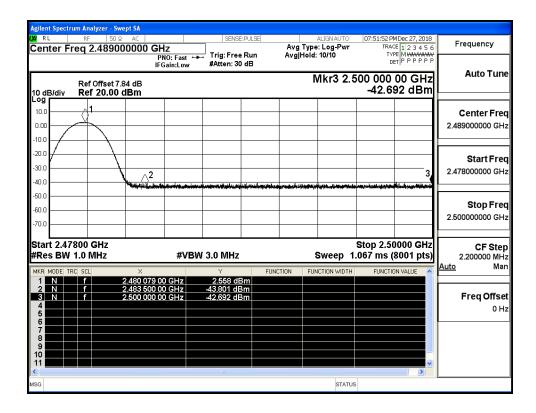
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



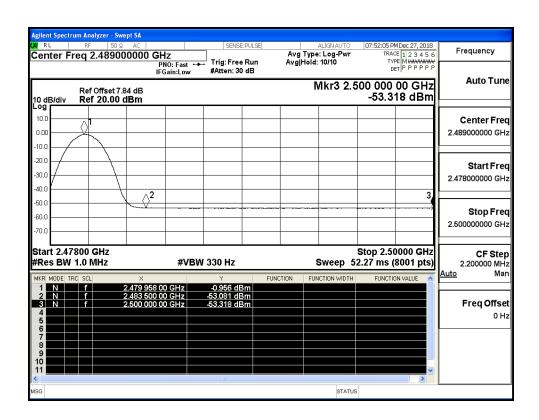
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



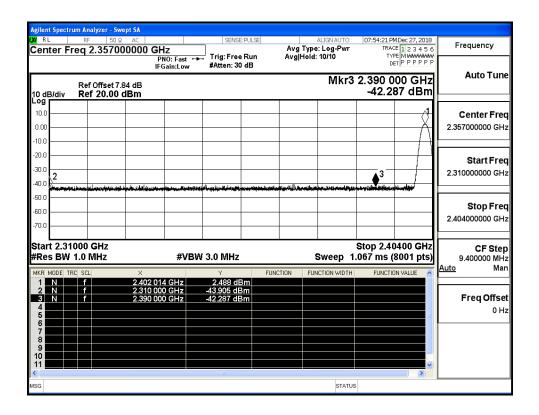
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



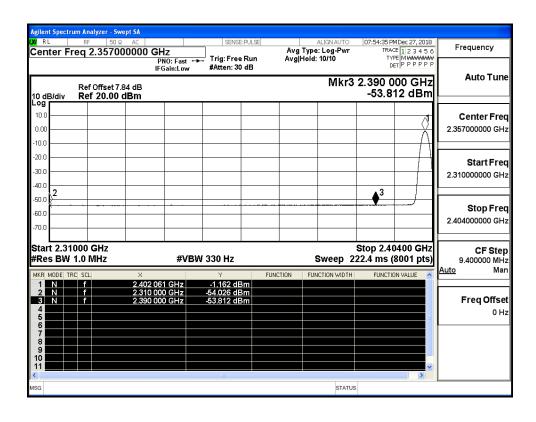
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



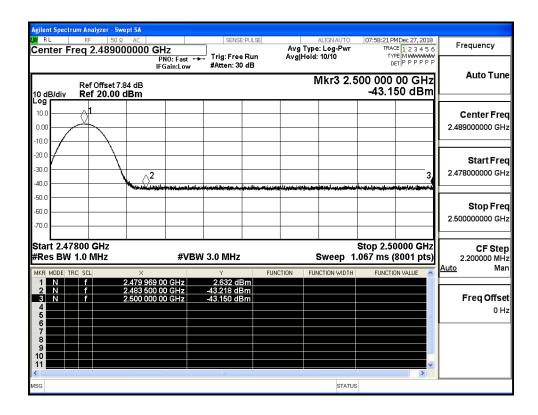
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

