Appendix A

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

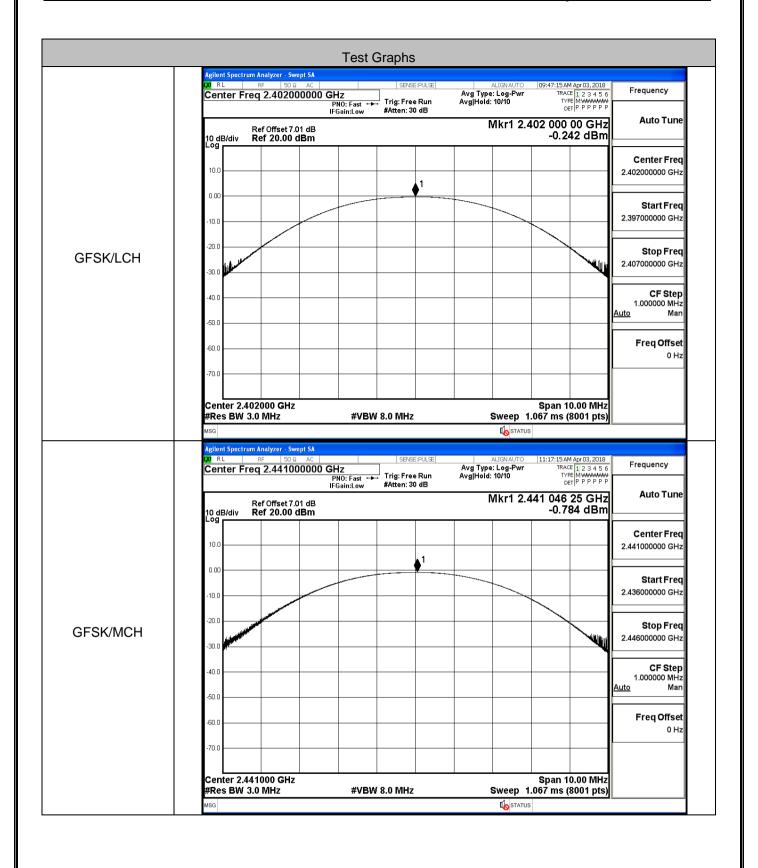
Product Name: Over Ear Bluetooth Headphone Trade Mark: N/A **Test Model: GC-T006**

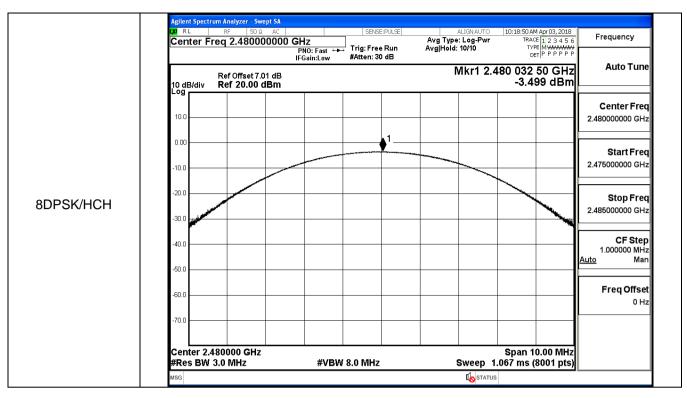
Environmental Conditions

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Temperature:	23.6 ° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Wilson hong
Supervised by:	Dick.Su

A.1 Maxmum Conducted Peak Output Power

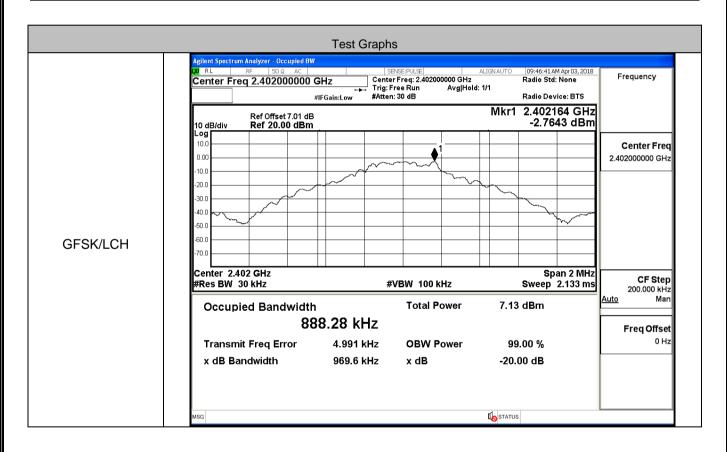
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.242	30	PASS
GFSK	MCH	-0.784	30	PASS
	НСН	-3.056	30	PASS
	LCH	-1.036	21	PASS
π/4DQPSK	MCH	-1.426	21	PASS
	HCH	-3.608	21	PASS
	LCH	-0.786	21	PASS
8DPSK	8DPSK MCH -1		21	PASS
	HCH	-3.499	21	PASS





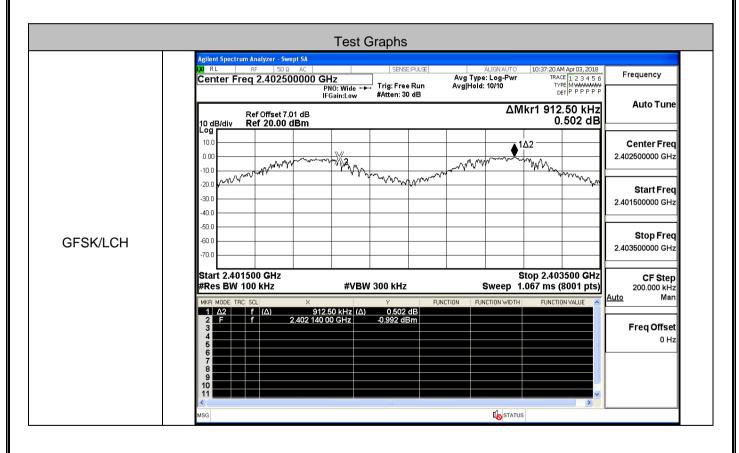
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9696	Not Specified	PASS
GFSK	MCH	0.9647	Not Specified	PASS
	HCH	0.9684	Not Specified	PASS
	LCH	1.290	Not Specified	PASS
π/4DQPSK	MCH	1.305	Not Specified	PASS
	НСН	1.314	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
8DPSK	MCH	1.301	Not Specified	PASS
	HCH	1.301	Not Specified	PASS



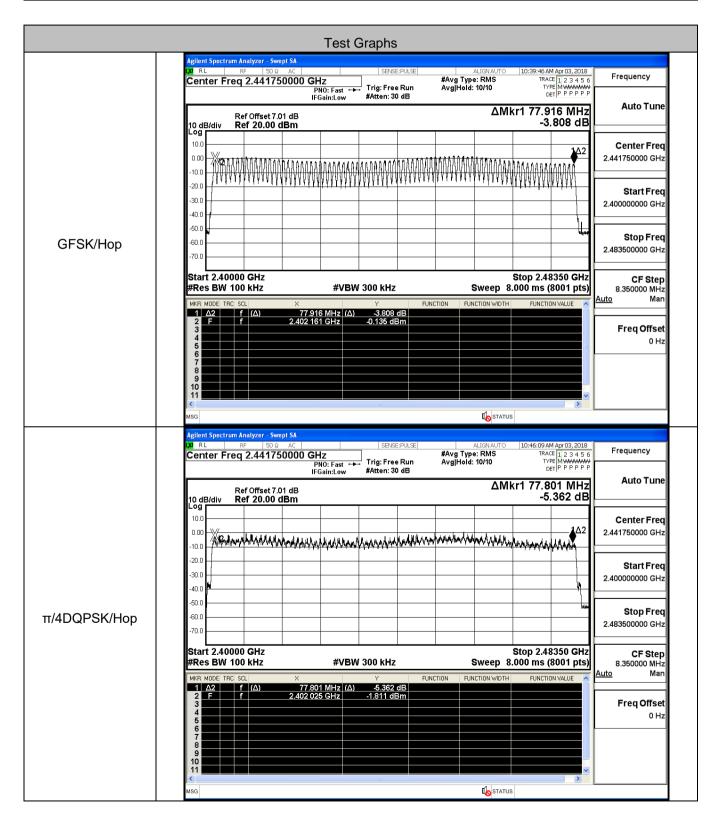
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.912	0.646	PASS
GFSK	MCH	1.006	0.646	PASS
	HCH	1.030	0.646	PASS
	LCH	1.194	0.876	PASS
π/4DQPSK	MCH	1.004	0.876	PASS
	HCH	1.308	0.876	PASS
8DPSK	LCH	0.984	0.867	PASS
	DPSK MCH 1.030		0.867	PASS
	HCH	1.142	0.867	PASS



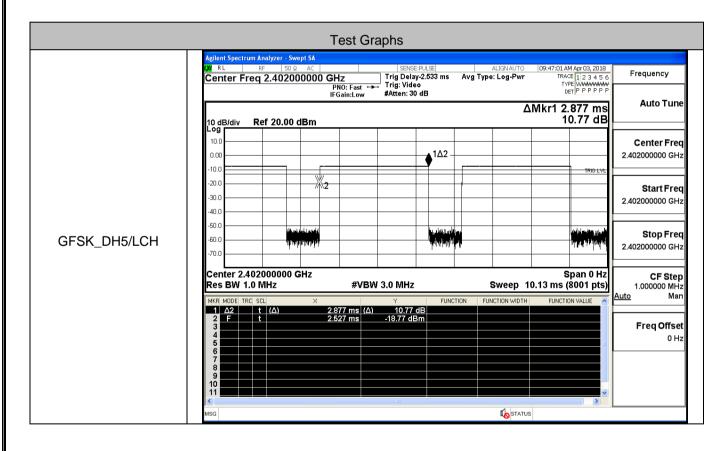
A.4 Hopping Channel Number

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



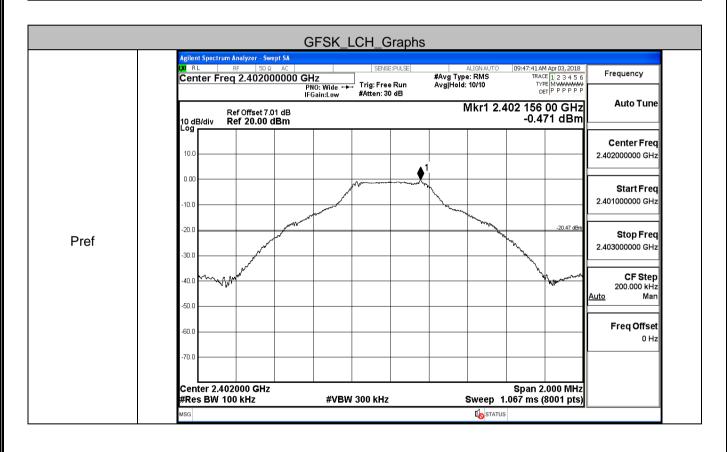
A.5 Dwell Time

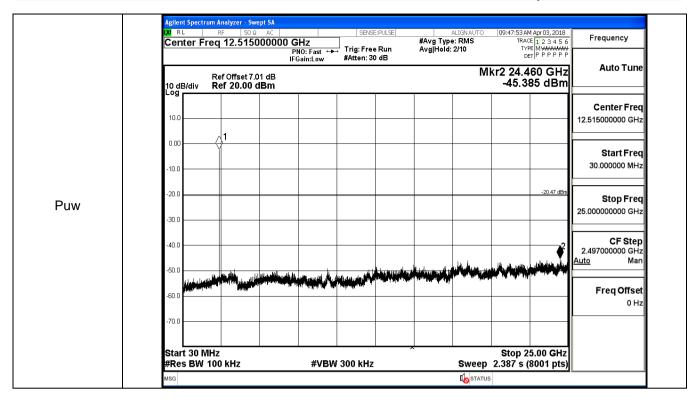
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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

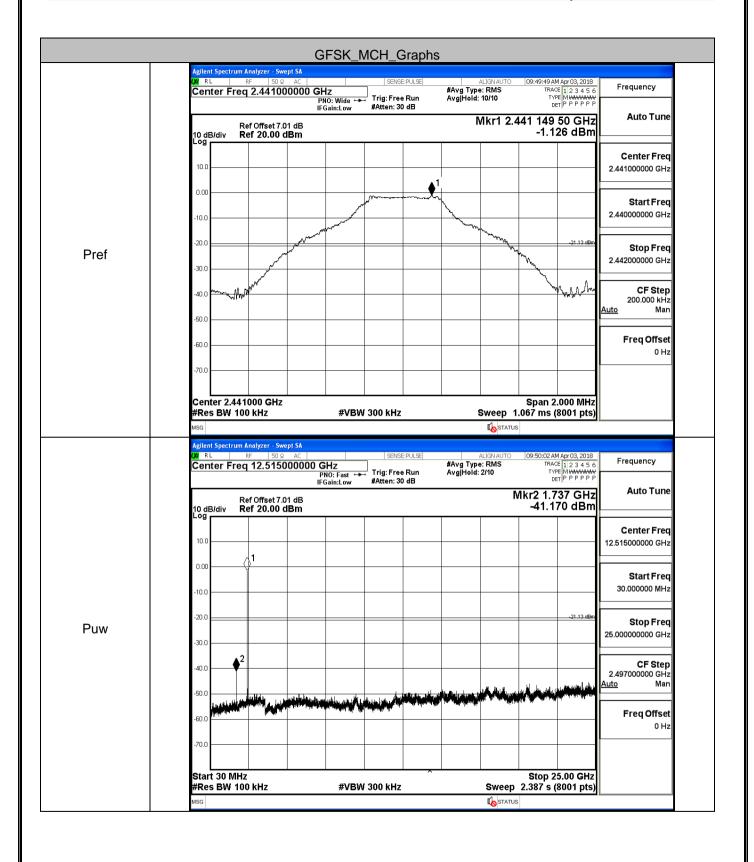


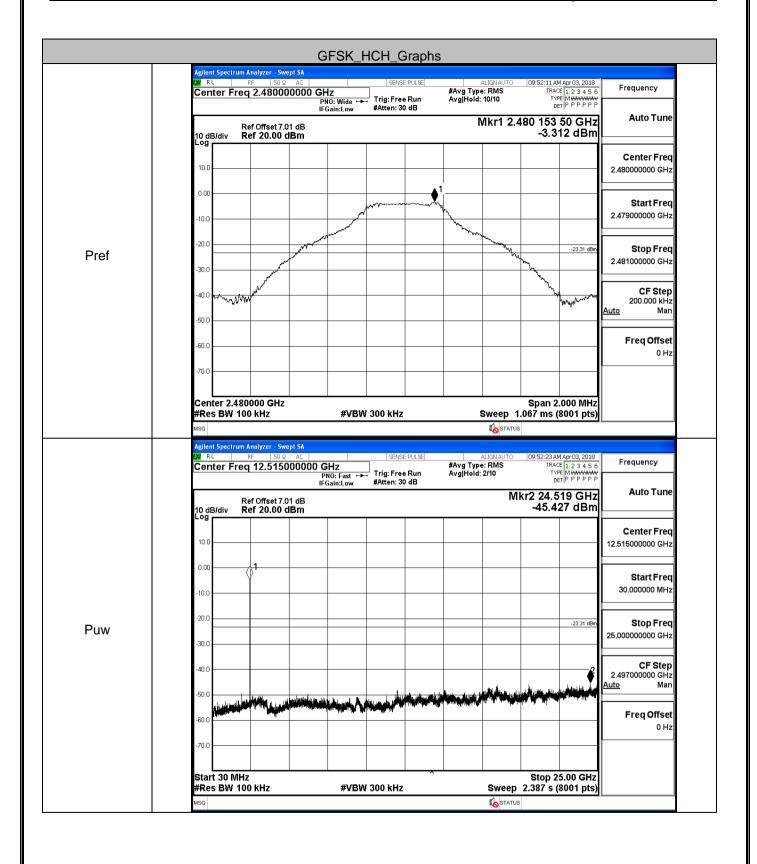
A.6 RF Conducted Spurious Emissions

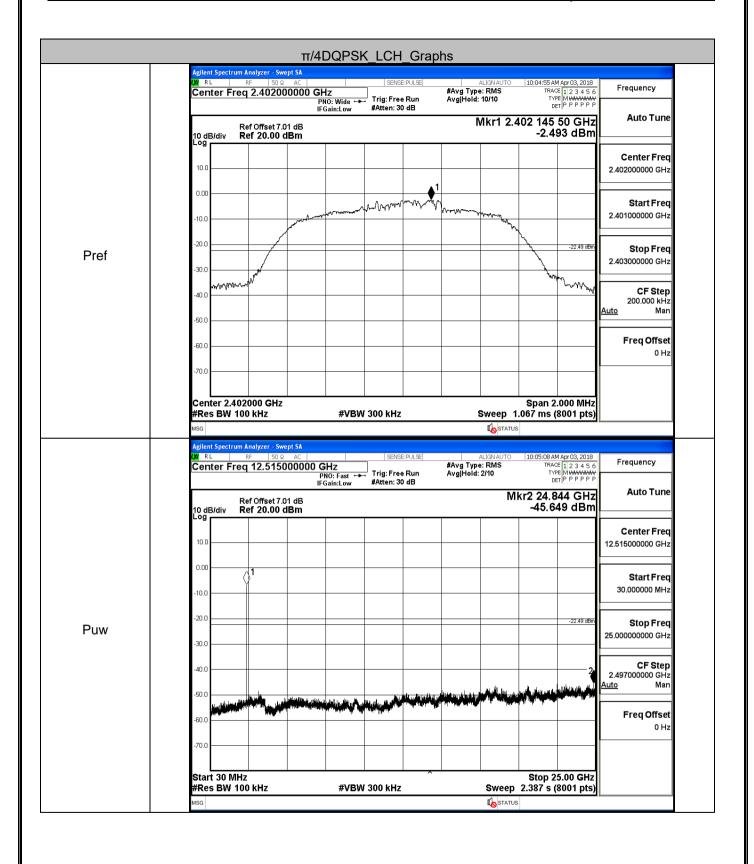
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.471	-45.385	-20.471	PASS
GFSK	MCH	-1.126	-41.170	-21.126	PASS
	HCH	-3.312	-45.427	-23.312	PASS
	LCH	-2.493	-45.649	-22.493	PASS
π/4DQPSK	MCH	-2.878	-45.077	-22.878	PASS
	HCH	-4.493	-45.445	-24.493	PASS
	LCH	-1.898	-44.846	-21.898	PASS
8DPSK	MCH	1.712	-45.529	-18.288	PASS
	HCH	-4.463	-45.411	-24.463	PASS

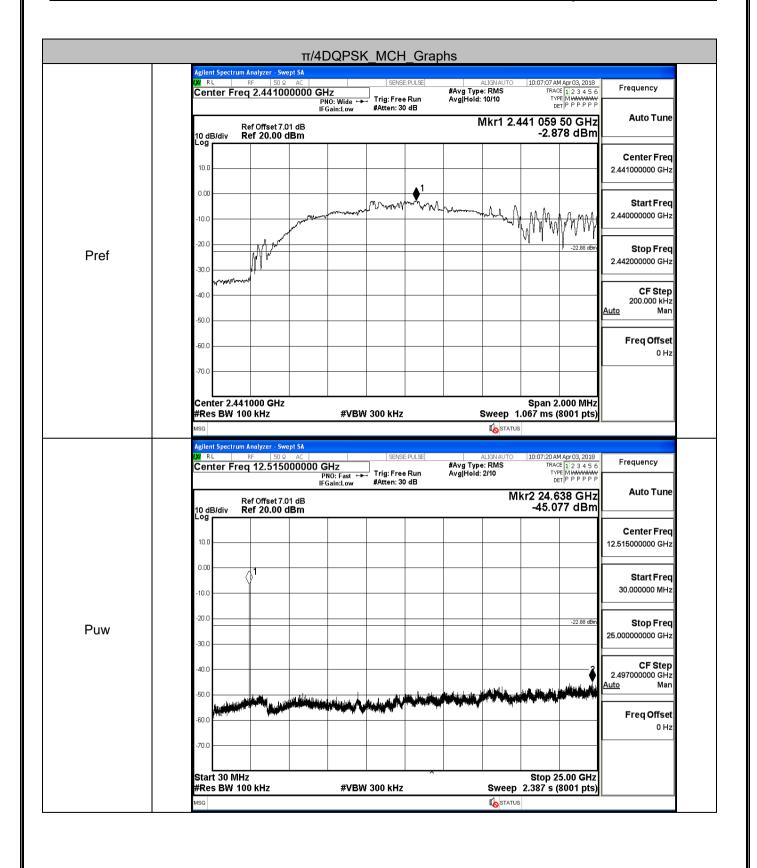


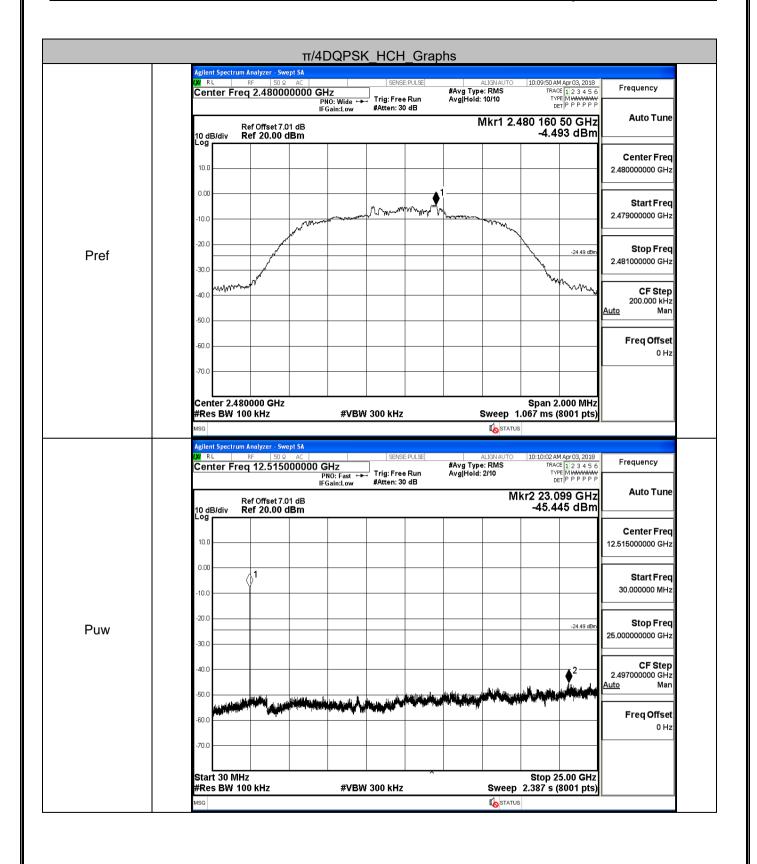


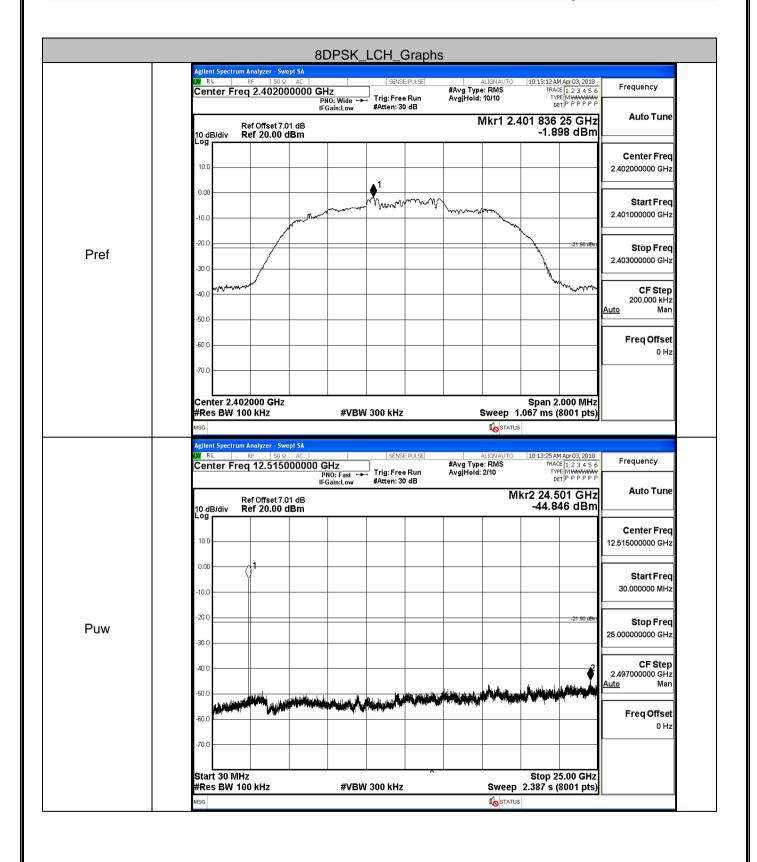


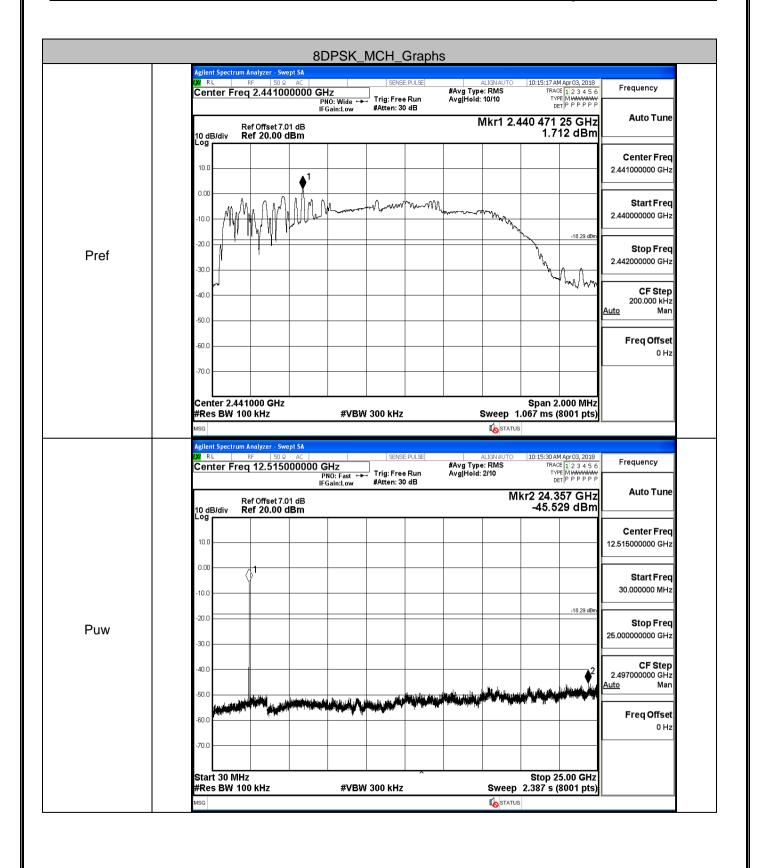


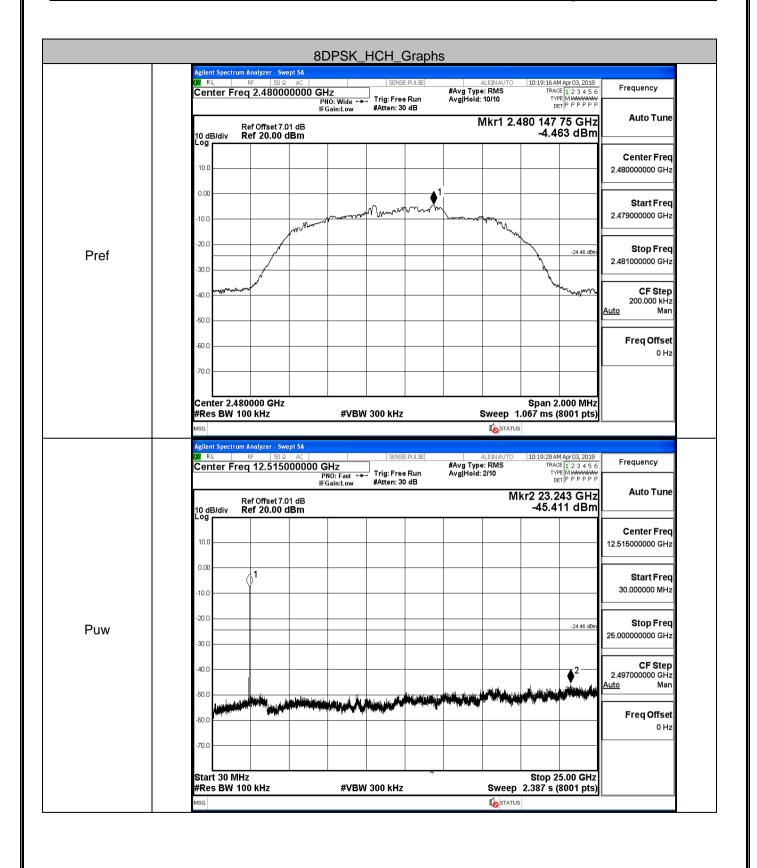






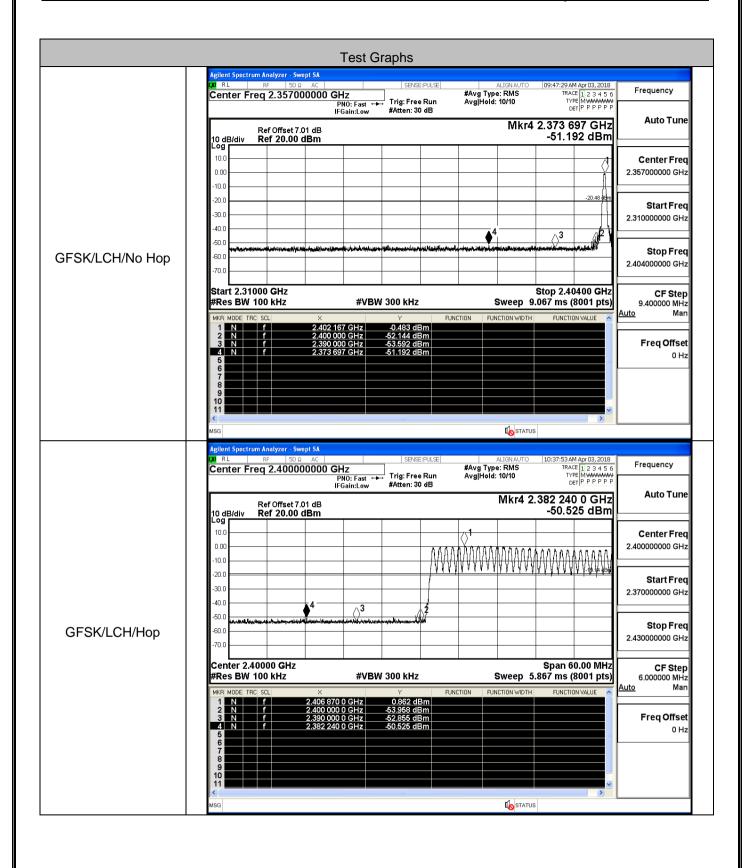






A.7 Band-edge for RF Conducted Emissions

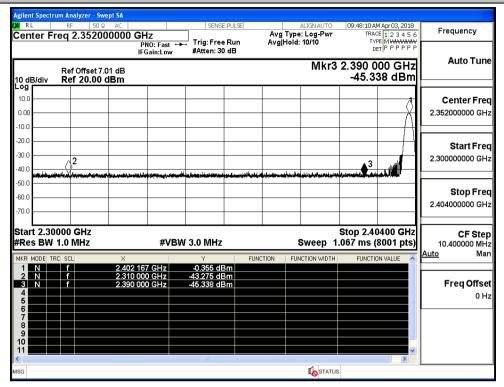
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict		
		0.400	-0.483	Off	-51.192	-20.48	PASS		
2-21/	LCH	2402	0.862	On	-50.525	-19.14	PASS		
GFSK	нсн		-3.304	Off	-50.558	-23.3	PASS		
		2480	2.018	On	-49.308	-17.98	PASS		
	LCH				-3.422	Off	-50.699	-23.42	PASS
		2402	-0.594	On	-50.716	-20.59	PASS		
π/4DQPSK	нсн	CH 2480	-4.362	Off	-43.307	-24.36	PASS		
			2.110	On	-42.172	-17.89	PASS		
			-1.847	Off	-50.923	-21.85	PASS		
8DPSK	LCH	2402	-0.612	On	-50.600	-20.61	PASS		
			-4.930	Off	-50.747	-24.93	PASS		
	HCH	2480	3.303	On	-50.668	-16.7	PASS		



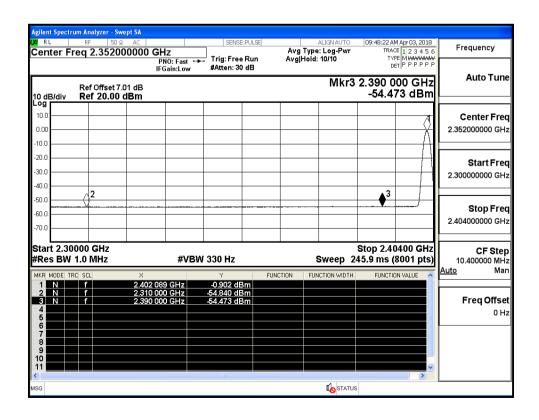
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.28	3.0	0	54.98	PEAK	74	PASS
	Off	2310.0	-54.84	3.0	0	43.42	AV	54	PASS
	Off	2390.0	-45.34	3.0	0	52.92	PEAK	74	PASS
0501	Off	2390.0	-54.47	3.0	0	43.79	AV	54	PASS
GFSK	Off	2483.5	-39.12	3.0	0	59.14	PEAK	74	PASS
	Off	2483.5	-54.26	3.0	0	44.00	AV	54	PASS
	Off	2500.0	-43.52	3.0	0	54.74	PEAK	74	PASS
	Off	2500.0	-54.25	3.0	0	44.01	AV	54	PASS
	Off	2310.0	-44.19	3.0	0	54.07	PEAK	74	PASS
	Off	2310.0	-54.94	3.0	0	43.32	AV	54	PASS
	Off	2390.0	-44.35	3.0	0	53.91	PEAK	74	PASS
/ADODOK	Off	2390.0	-54.58	3.0	0	43.68	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.02	3.0	0	54.24	PEAK	74	PASS
	Off	2483.5	-54.22	3.0	0	44.04	AV	54	PASS
	Off	2500.0	-42.89	3.0	0	55.37	PEAK	74	PASS
	Off	2500.0	-54.28	3.0	0	43.98	AV	54	PASS
	Off	2310.0	-43.61	3.0	0	54.65	PEAK	74	PASS
	Off	2310.0	-54.98	3.0	0	43.28	AV	54	PASS
	Off	2390.0	-45.05	3.0	0	53.21	PEAK	74	PASS
00001	Off	2390.0	-54.65	3.0	0	43.61	AV	54	PASS
8DPSK	Off	2483.5	-39.97	3.0	0	58.29	PEAK	74	PASS
	Off	2483.5	-54.21	3.0	0	44.05	AV	54	PASS
	Off	2500.0	-44.58	3.0	0	53.68	PEAK	74	PASS
	Off	2500.0	-54.25	3.0	0	44.01	AV	54	PASS

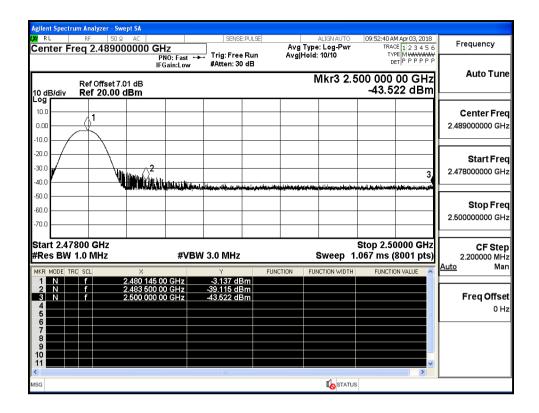




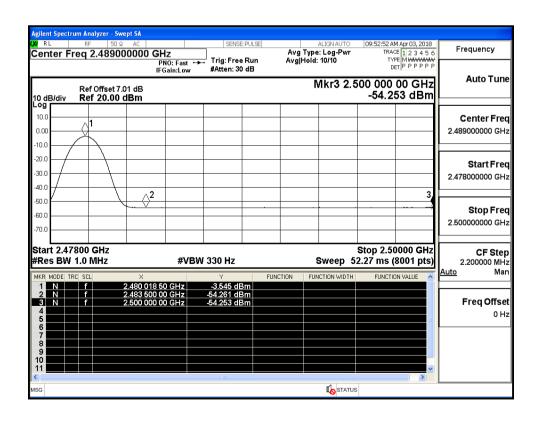
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



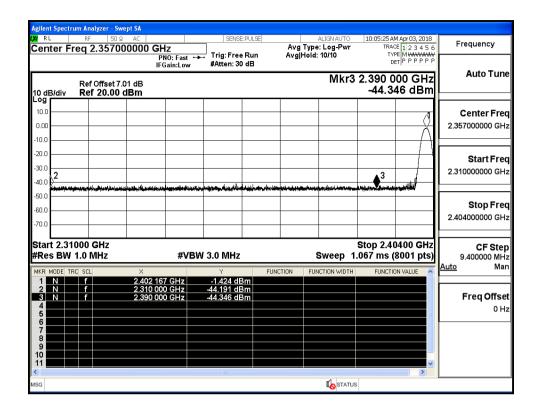
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



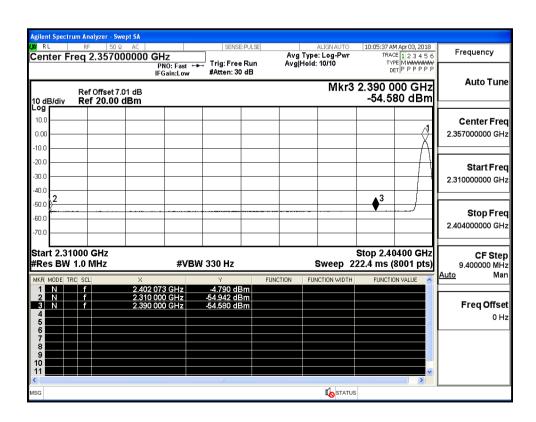
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



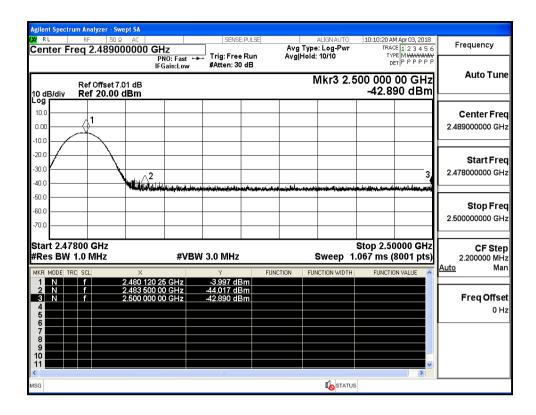
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



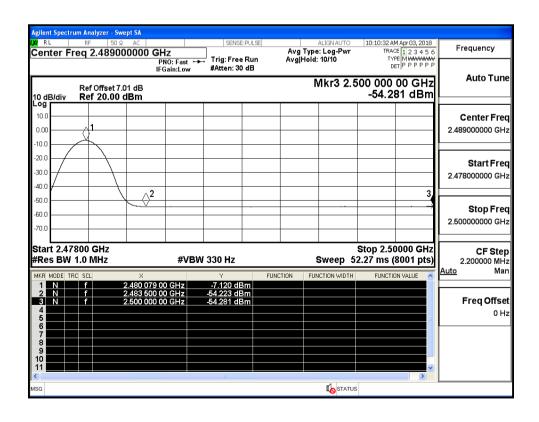
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



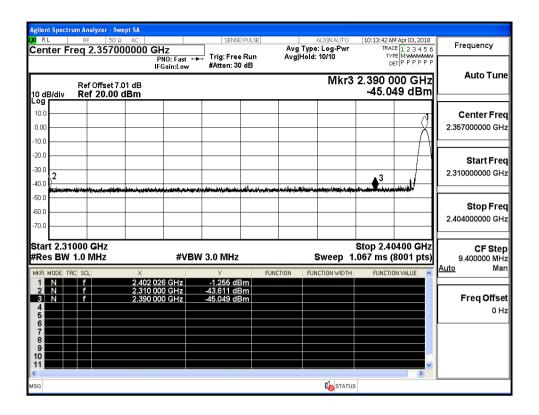
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



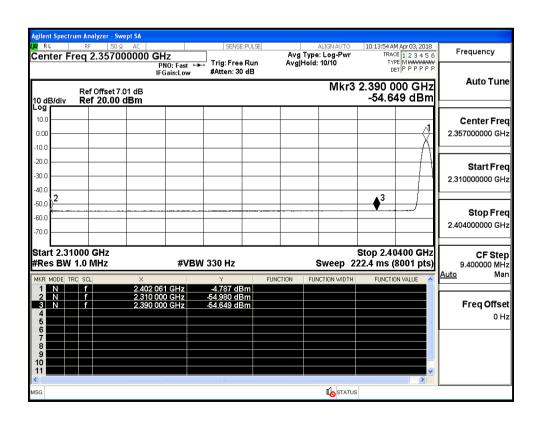
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



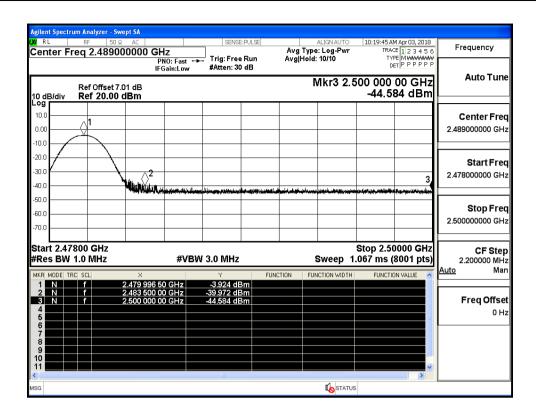
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

