Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

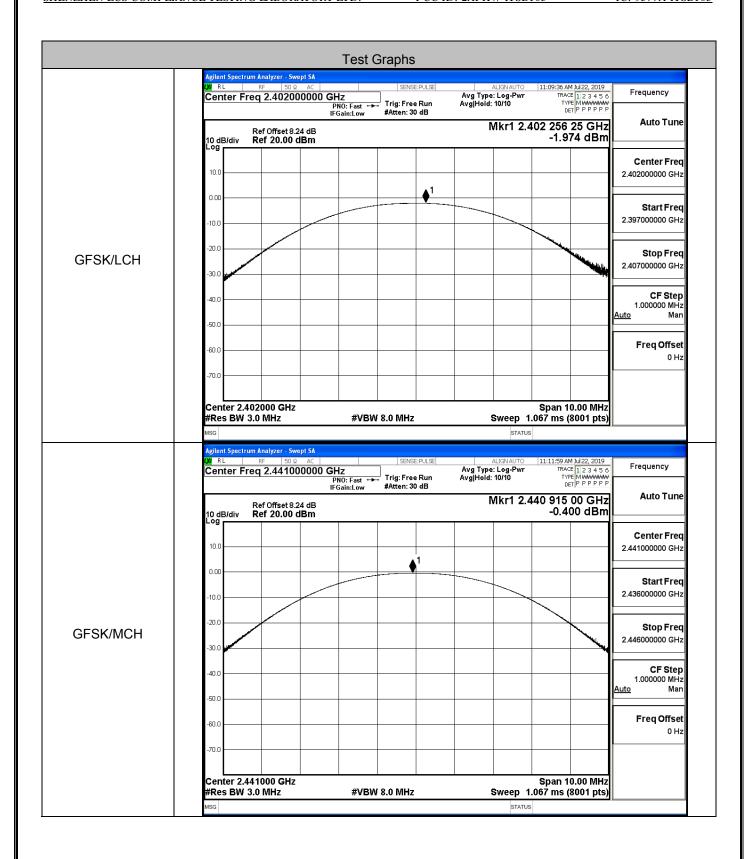
Product Name: Bluetooth Tower Stereo
Trade Mark: IT
Test Model: ITSB-105

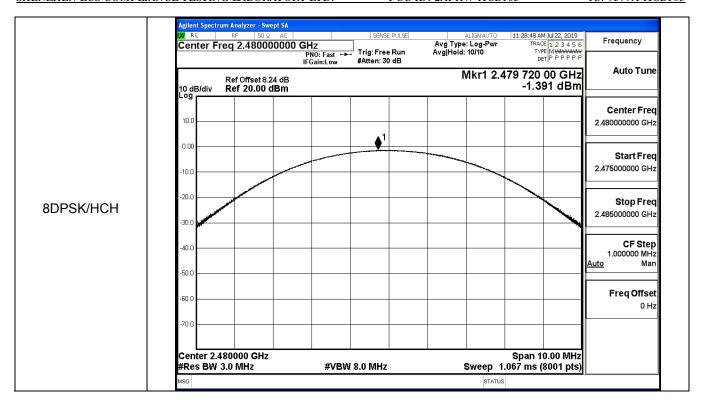
Environmental Conditions

•	
Temperature:	24.7 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

A.1 Maximum Conducted Peak Output Power

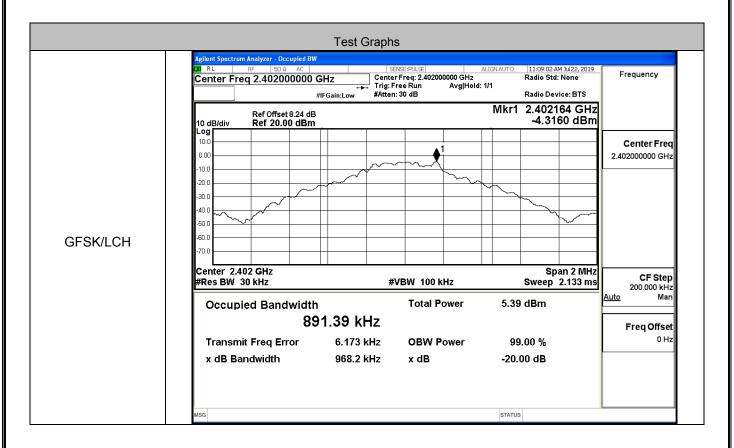
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.974	30	PASS
GFSK	MCH	-0.400	30	PASS
	НСН	-0.797	30	PASS
	LCH	-2.519	21	PASS
π/4DQPSK	MCH	-1.050	21	PASS
	НСН	-1.477	21	PASS
	LCH	-2.311	21	PASS
8DPSK	8DPSK MCH -0.797		21	PASS
	HCH	-1.391	21	PASS





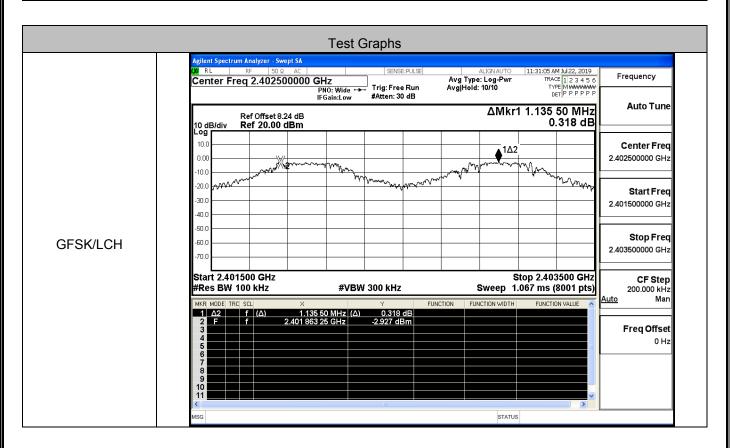
A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9682	Not Specified	PASS
GFSK	MCH	0.9712	Not Specified	PASS
	HCH	1.015	Not Specified	PASS
π/4DQPSK	LCH	1.292	Not Specified	PASS
	МСН	1.292	Not Specified	PASS
	HCH	1.291	Not Specified	PASS
	LCH	1.295	Not Specified	PASS
8DPSK	MCH	1.295	Not Specified	PASS
	HCH	1.311	Not Specified	PASS



A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.136	0.677	PASS
GFSK	MCH	1.150	0.677	PASS
	HCH	0.864	0.677	PASS
	LCH	0.996	0.861	PASS
π/4DQPSK	MCH	0.884	0.861	PASS
	HCH	1.118	0.861	PASS
8DPSK	LCH	0.986	0.874	PASS
	MCH	1.206	0.874	PASS
	HCH	1.102	0.874	PASS

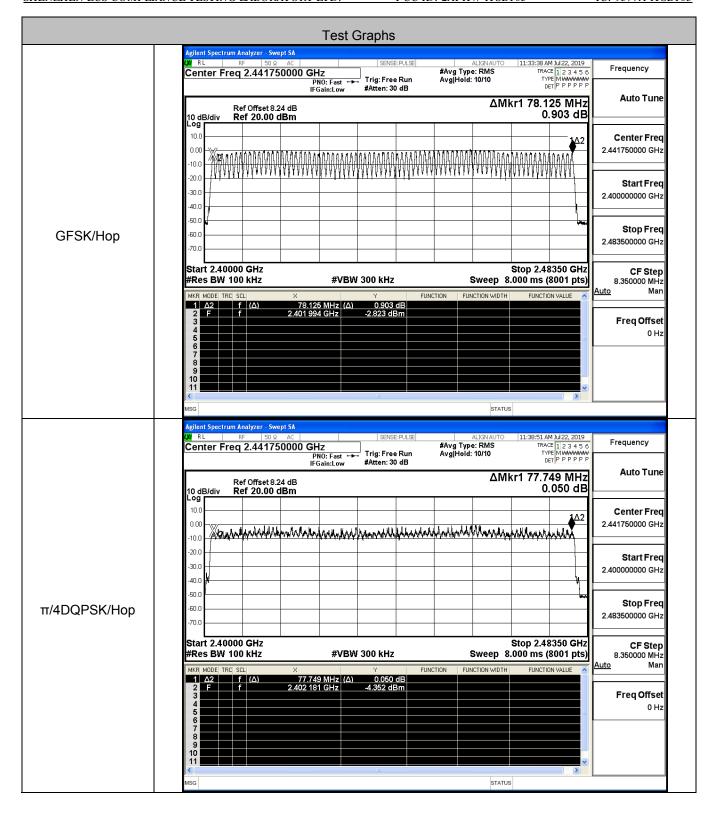


A.4 Hopping Channel Number

Мо	de	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GF	SK	Нор	79	>=15	PASS
π/4D0	QPSK	Нор	79	>=15	PASS
8DF	PSK	Нор	79	>=15	PASS

0 Hz

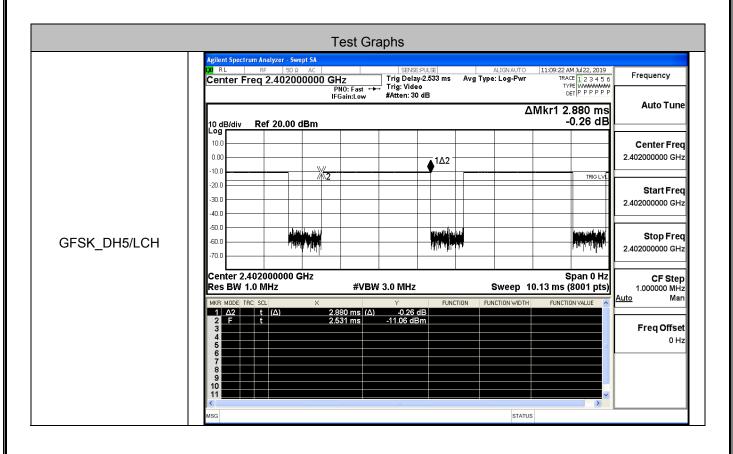
STATUS



STATUS

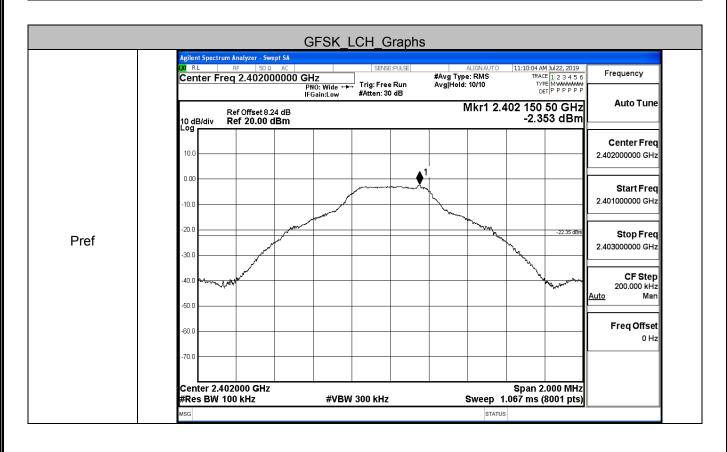
A.5 Dwell Time

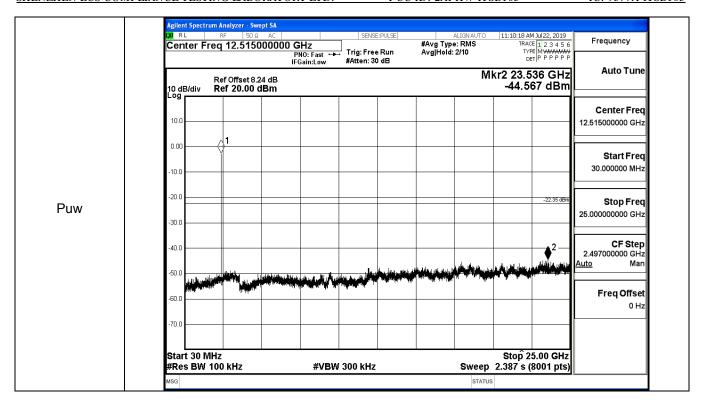
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	НСН	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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

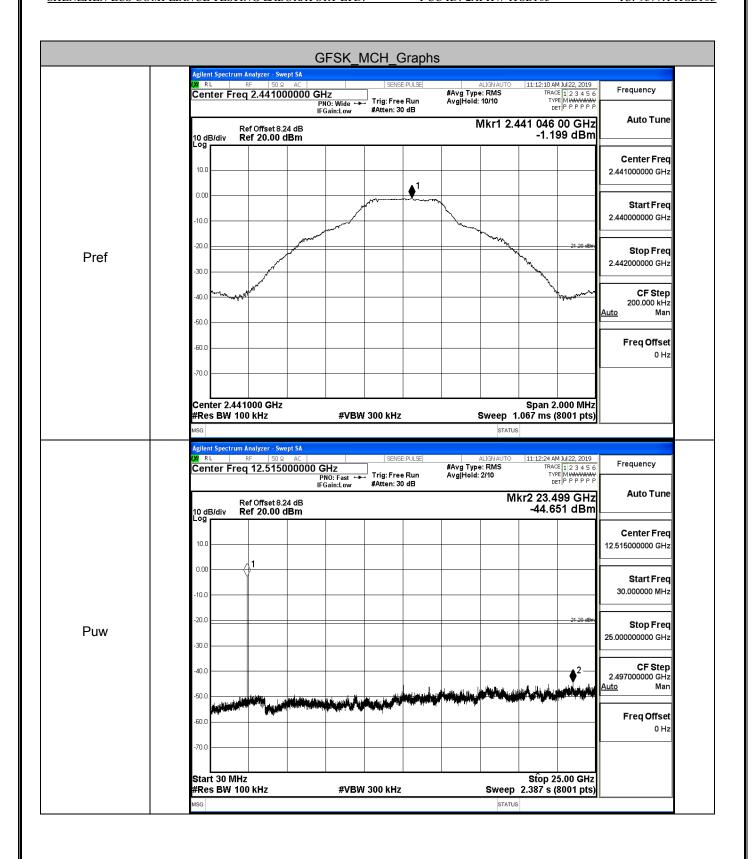


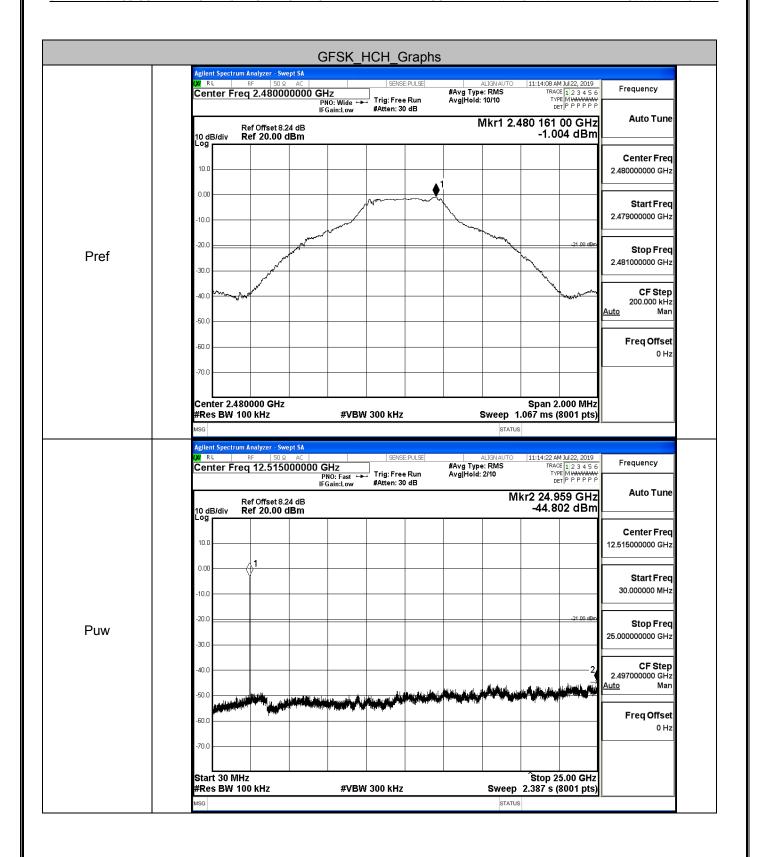
A.6 RF Conducted Spurious Emissions

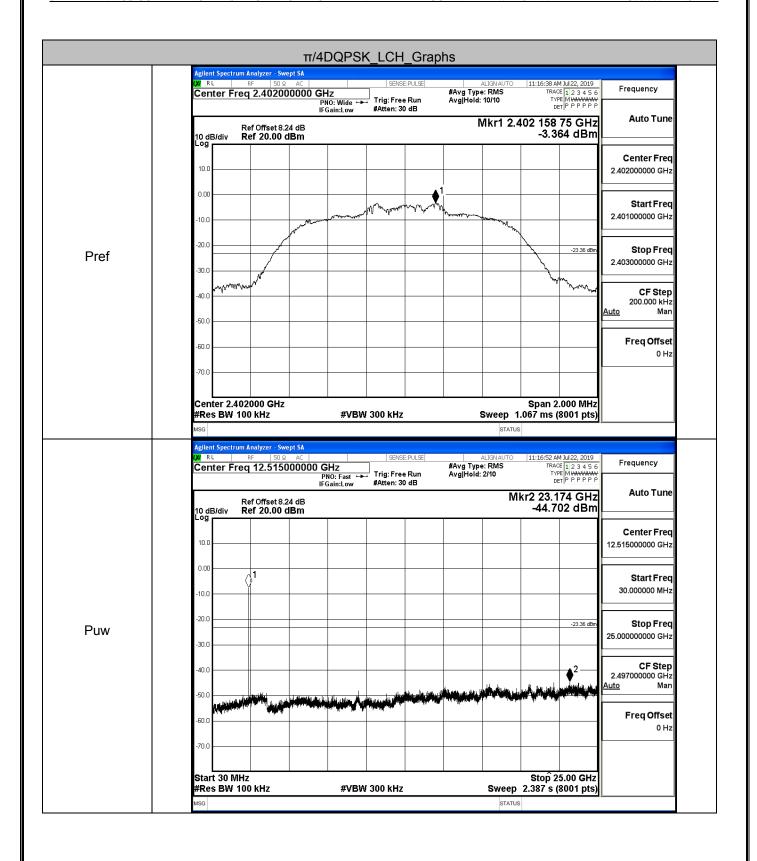
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-2.353	-44.567	-22.353	PASS
GFSK	MCH	-1.199	-44.651	-21.199	PASS
	HCH	-1.004	-44.802	-21.004	PASS
	LCH	-3.364	-44.702	-23.364	PASS
π/4DQPSK	MCH	-1.873	-44.299	-21.873	PASS
	HCH	-3.094	-44.895	-23.094	PASS
8DPSK	LCH	-3.135	-41.224	-23.135	PASS
	MCH	-1.746	-44.466	-21.746	PASS
	HCH	-2.366	-44.536	-22.366	PASS

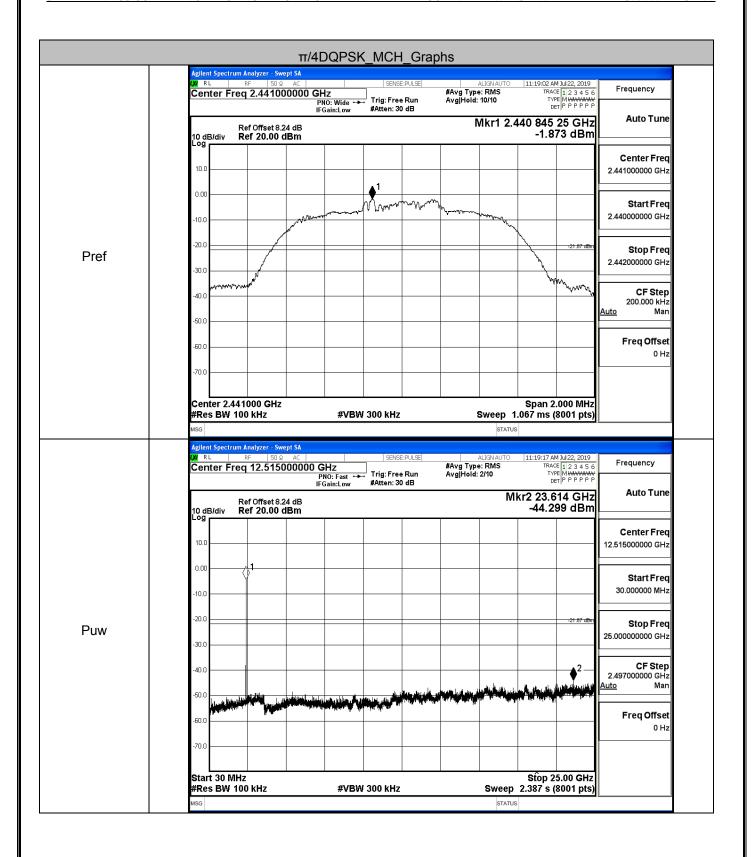


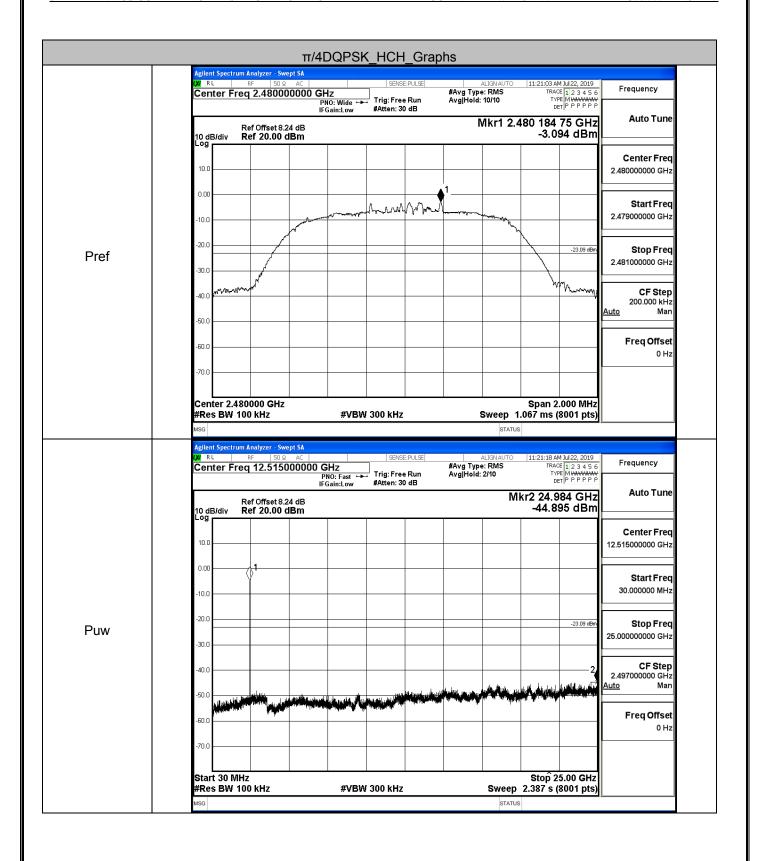


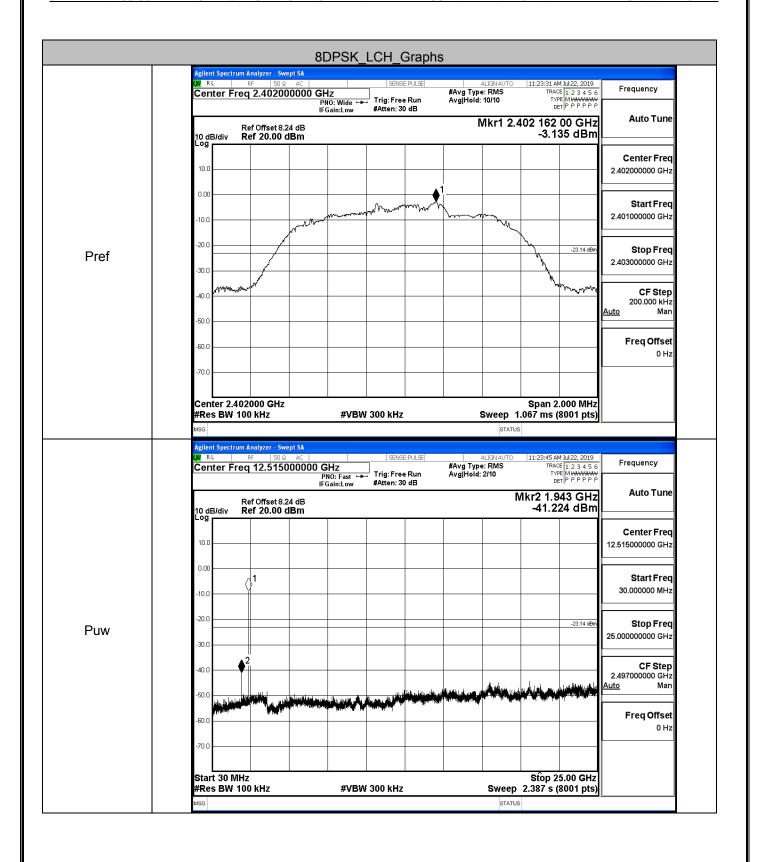


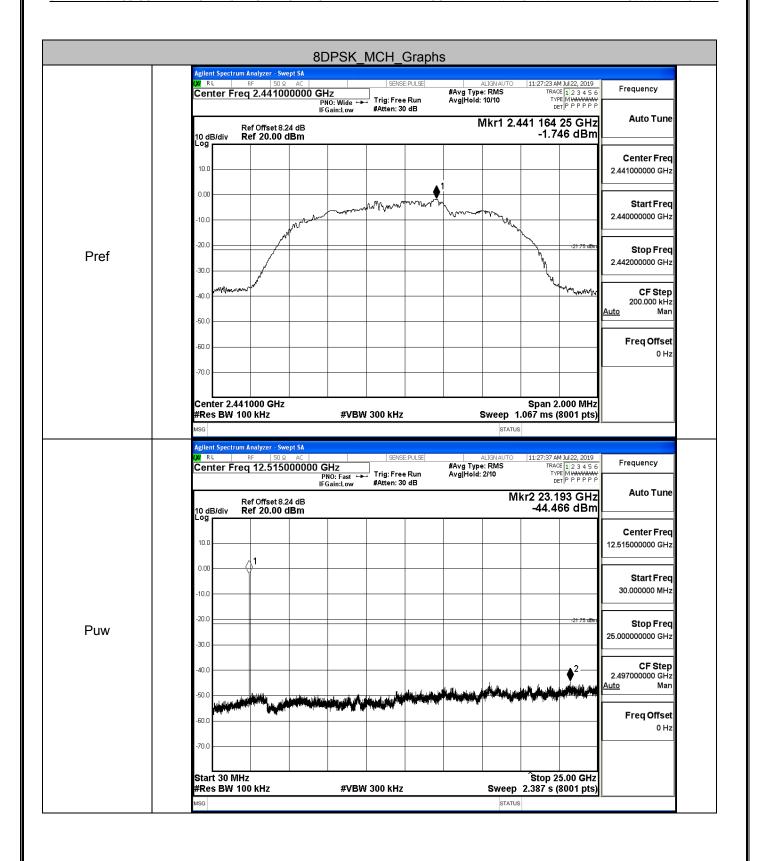


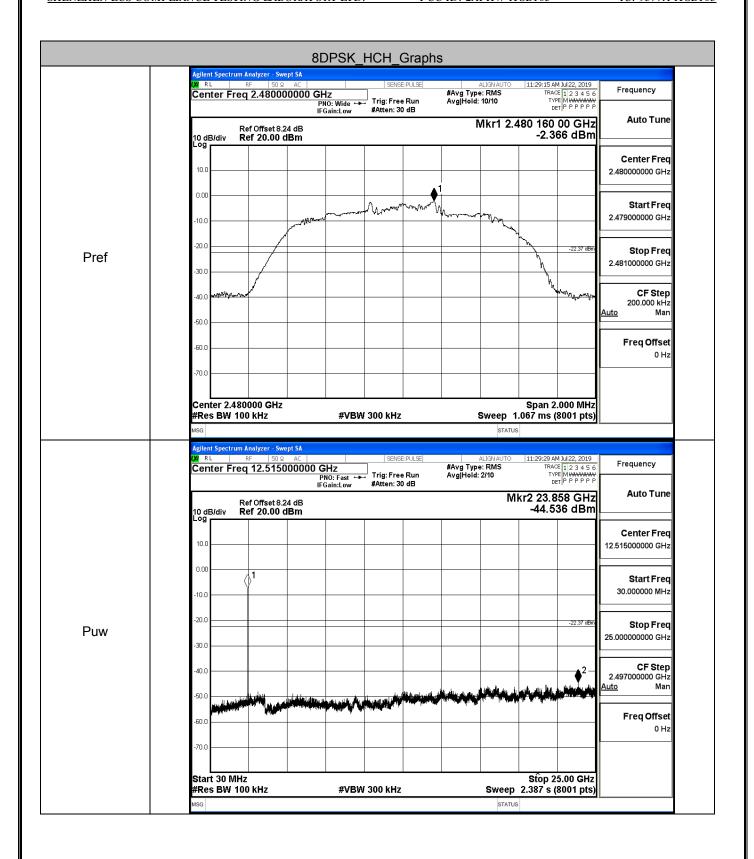






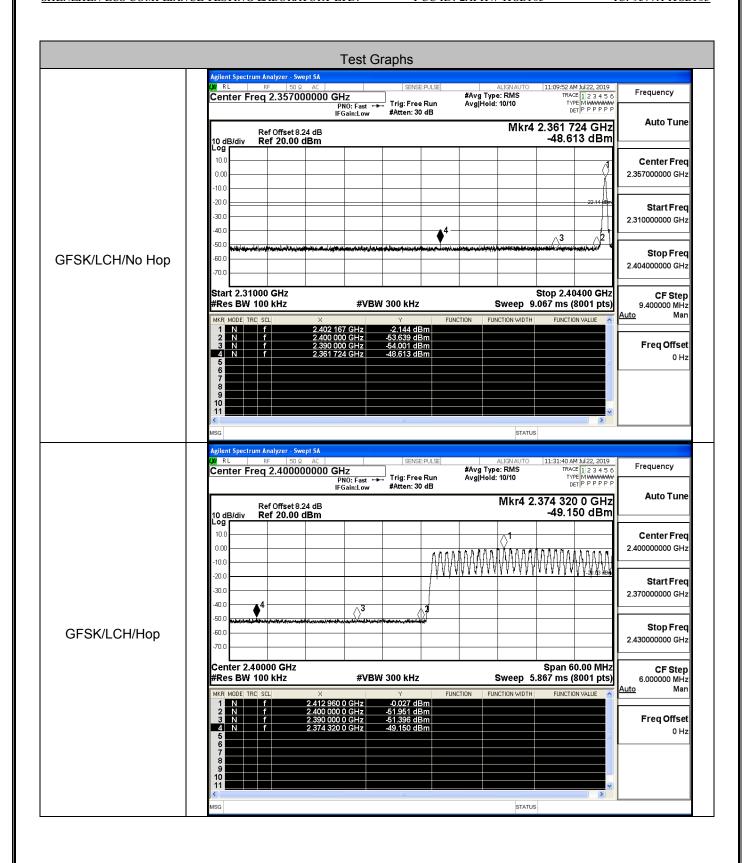






A.7 Band-edge for RF Conducted Emissions

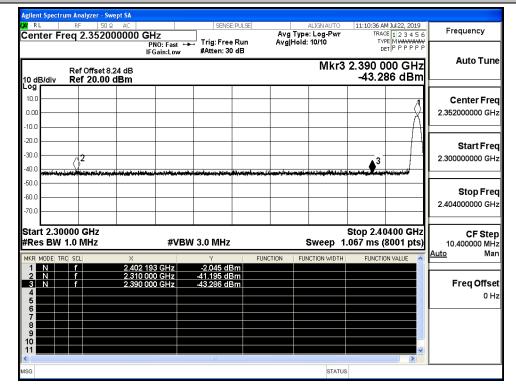
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
	1.011	0400	-2.144	Off	-48.613	-22.14	PASS
05014	LCH	2402	-0.027	On	-49.150	-20.03	PASS
GFSK	НСН	2480	-1.144	Off	-49.109	-21.14	PASS
			0.561	On	-49.498	-19.44	PASS
	LCH	2422	-4.486	Off	-49.680	-24.49	PASS
		2402	-1.353	On	-49.199	-21.35	PASS
π/4DQPSK	нсн	2480	-2.301	Off	-48.845	-22.3	PASS
			-0.576	On	-48.897	-20.58	PASS
			-5.029	Off	-49.173	-25.03	PASS
	LCH	2402	-1.214	On	-48.843	-21.21	PASS
8DPSK			-2.289	Off	-50.042	-22.29	PASS
	HCH	2480	-0.671	On	-49.243	-20.67	PASS



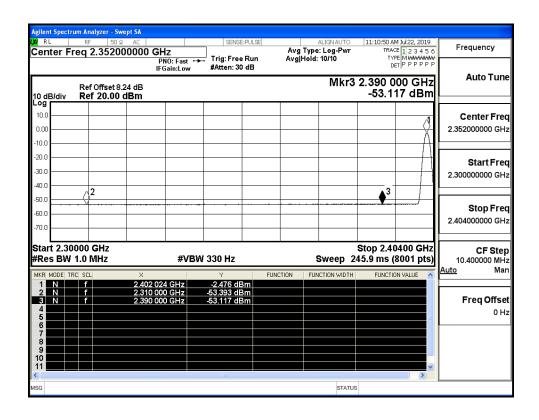
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-41.20	2.0	0	56.06	PEAK	74	PASS
	Off	2310.0	-53.39	2.0	0	43.86	AV	54	PASS
	Off	2390.0	-43.29	2.0	0	53.97	PEAK	74	PASS
05014	Off	2390.0	-53.12	2.0	0	44.14	AV	54	PASS
GFSK	Off	2483.5	-42.41	2.0	0	54.84	PEAK	74	PASS
	Off	2483.5	-52.86	2.0	0	44.40	AV	54	PASS
	Off	2500.0	-42.21	2.0	0	55.05	PEAK	74	PASS
	Off	2500.0	-52.60	2.0	0	44.66	AV	54	PASS
	Off	2310.0	-42.78	2.0	0	54.48	PEAK	74	PASS
	Off	2310.0	-53.30	2.0	0	43.96	AV	54	PASS
	Off	2390.0	-41.85	2.0	0	55.40	PEAK	74	PASS
-/4DODOK	Off	2390.0	-53.16	2.0	0	44.10	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.78	2.0	0	54.48	PEAK	74	PASS
	Off	2483.5	-52.75	2.0	0	44.51	AV	54	PASS
	Off	2500.0	-42.91	2.0	0	54.35	PEAK	74	PASS
	Off	2500.0	-52.67	2.0	0	44.59	AV	54	PASS
	Off	2310.0	-42.48	2.0	0	54.78	PEAK	74	PASS
	Off	2310.0	-53.39	2.0	0	43.87	AV	54	PASS
	Off	2390.0	-42.68	2.0	0	54.58	PEAK	74	PASS
000014	Off	2390.0	-53.13	2.0	0	44.13	AV	54	PASS
8DPSK	Off	2483.5	-42.10	2.0	0	55.16	PEAK	74	PASS
	Off	2483.5	-52.81	2.0	0	44.44	AV	54	PASS
	Off	2500.0	-42.36	2.0	0	54.90	PEAK	74	PASS
	Off	2500.0	-52.64	2.0	0	44.61	AV	54	PASS

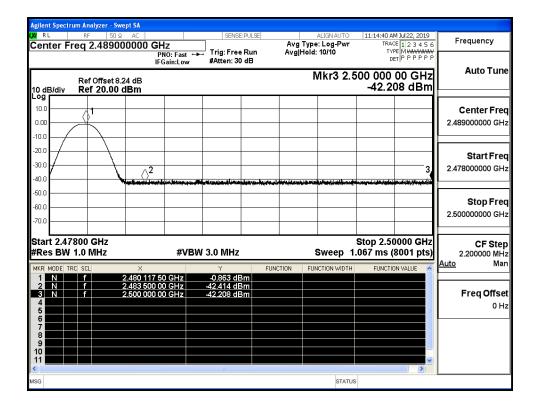




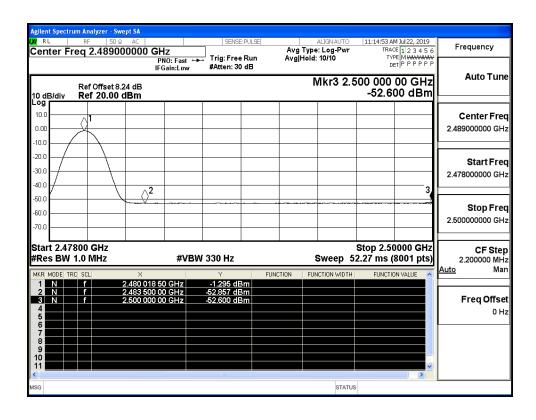
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



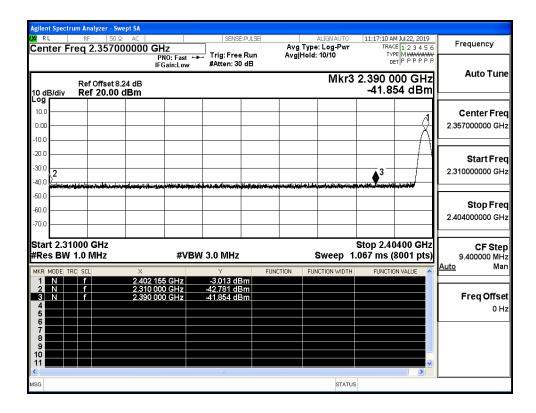
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



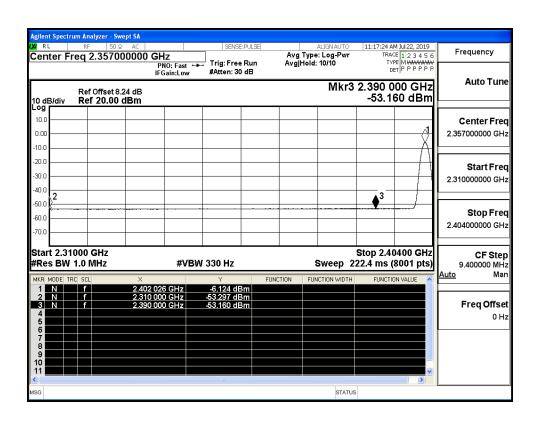
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



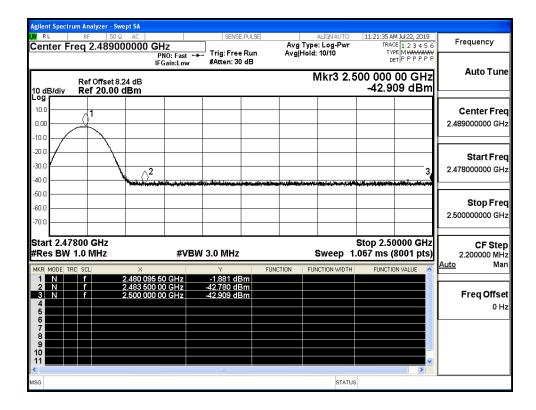
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



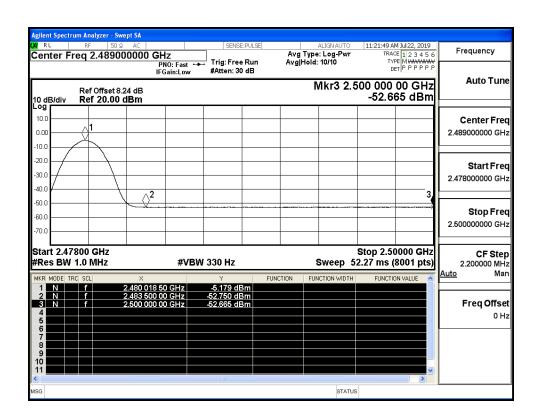
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



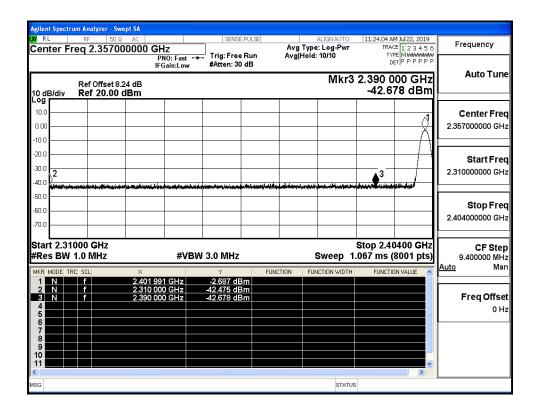
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



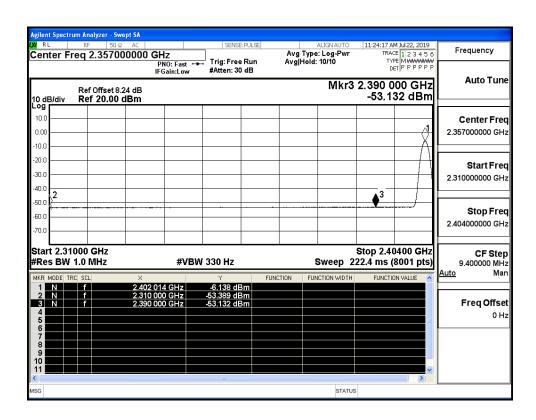
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



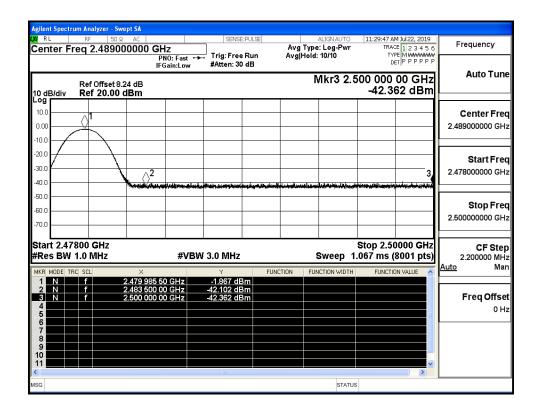
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

