Appendix A

RF Test Data for BT V4.1 (BDR/EDR) (Conducted Measurement)

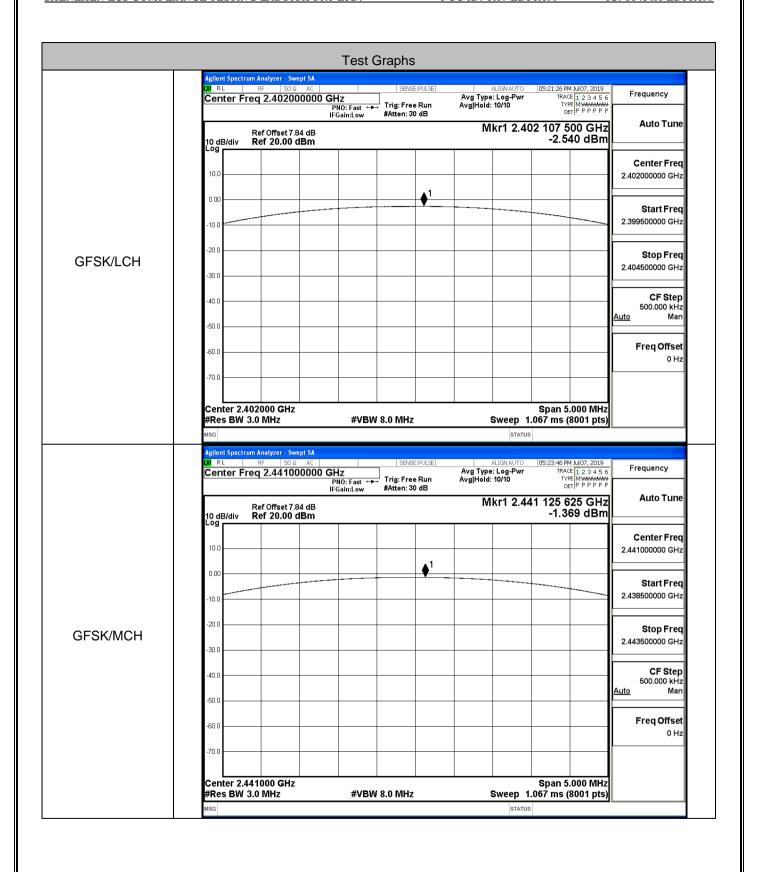
Product Name: Wi-Fi Adapter Trade Mark: N/A Test Model: AP0100

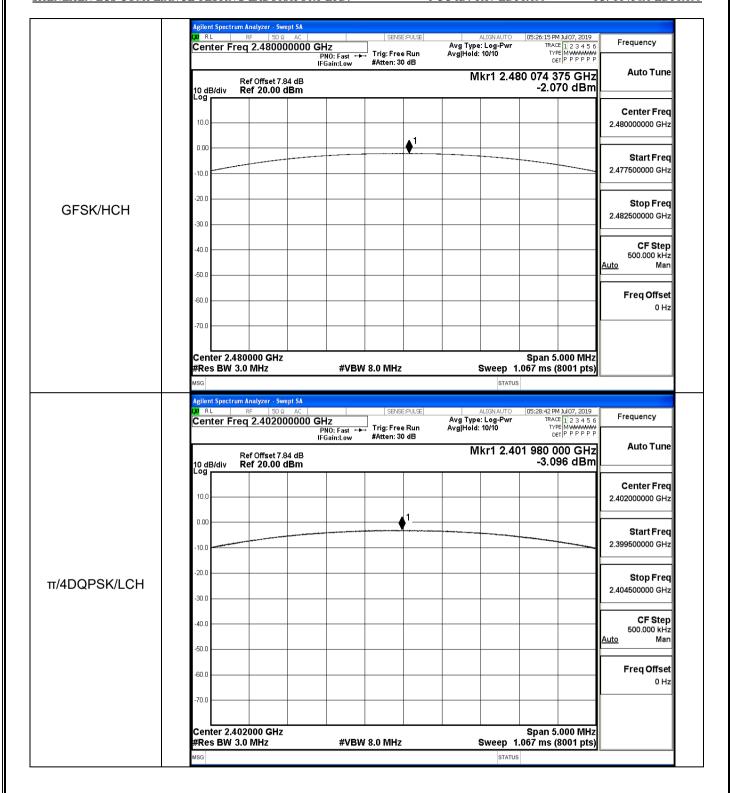
Environmental Conditions

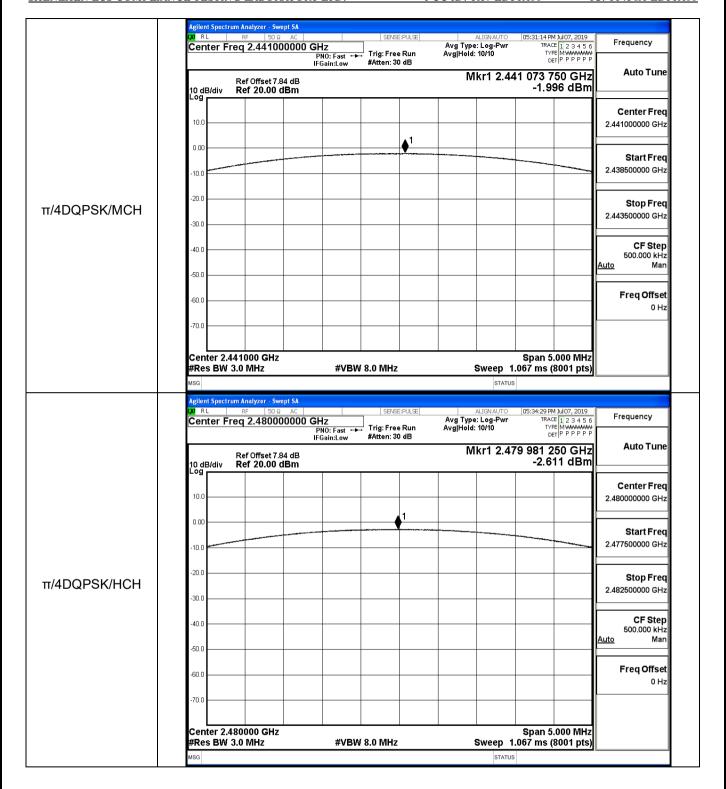
Temperature:	23.8 °C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang.Chuang
Supervised by:	Tom.Liu

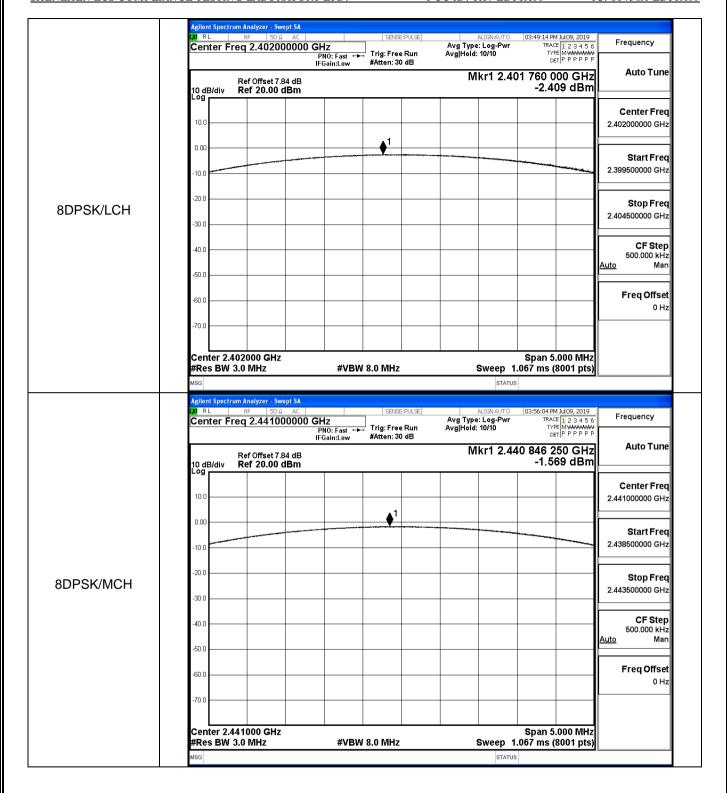
A.1 Maximum Conducted Peak Output Power

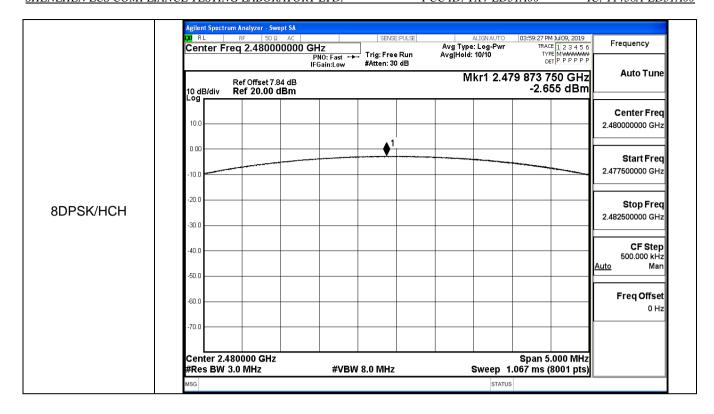
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-2.540	21	PASS
GFSK	MCH	-1.369	21	PASS
	НСН	-2.070	21	PASS
	LCH	-3.096	21	PASS
π/4DQPSK	MCH	-1.996	21	PASS
	НСН	-2.611	21	PASS
	LCH	-2.409	21	PASS
8DPSK	8DPSK MCH -1.569		21	PASS
	HCH	-2.655	21	PASS





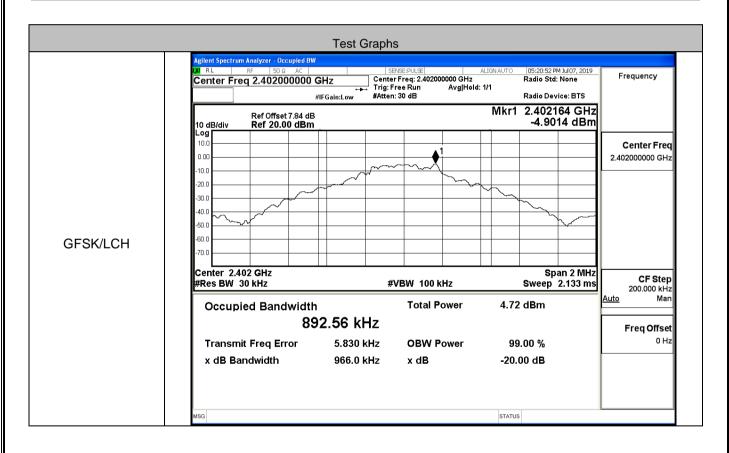


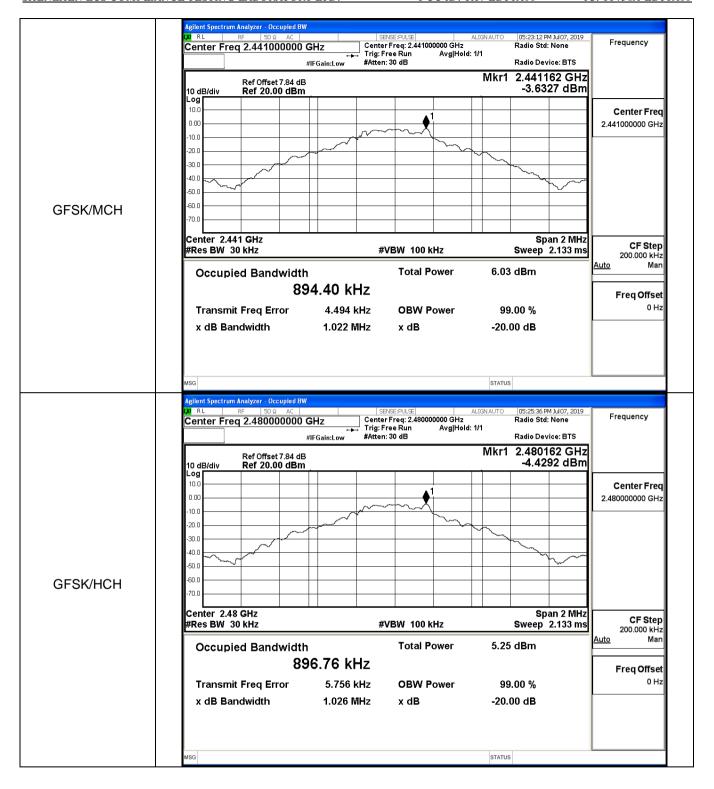


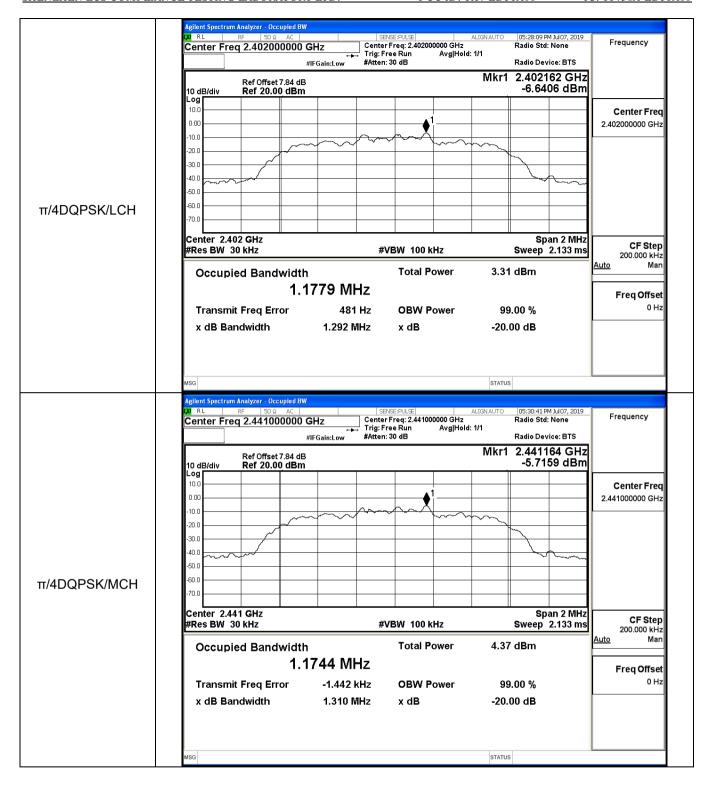


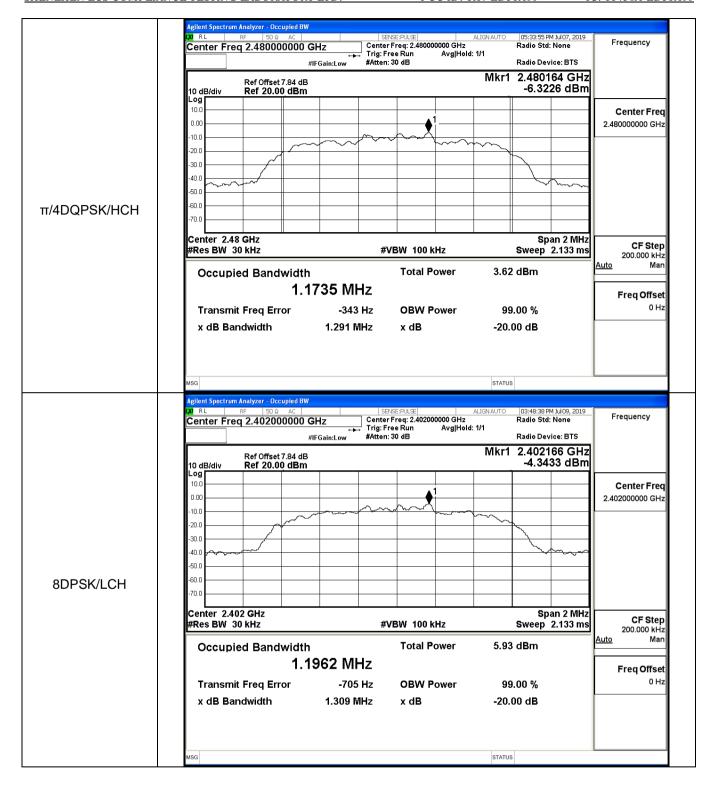
A.2 99% and 20dB Bandwidth

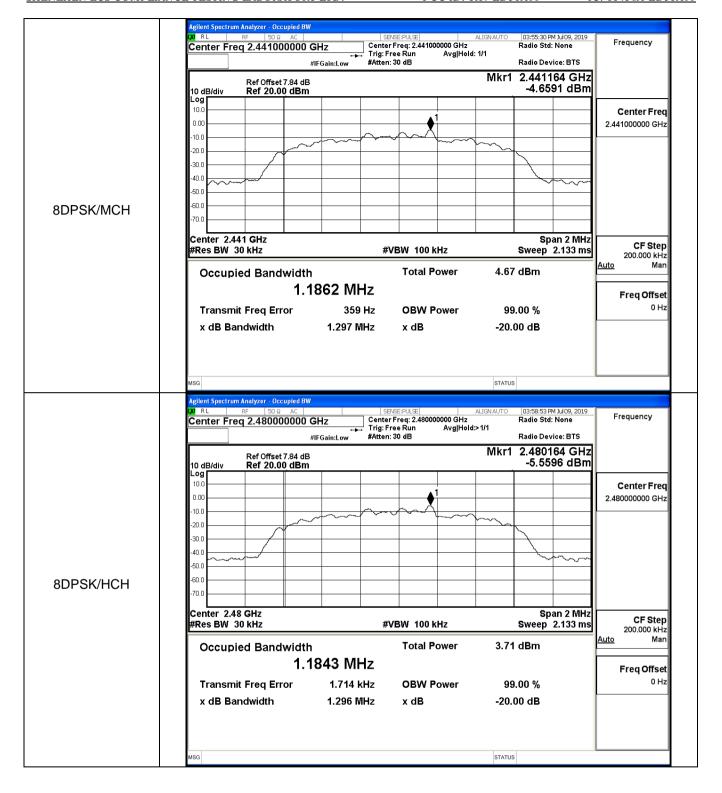
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.89256	0.966	Not Specified	PASS
GFSK	MCH	0.89440	1.022	Not Specified	PASS
	НСН	0.89676	1.026	Not Specified	PASS
	LCH	1.1779	1.292	Not Specified	PASS
π/4DQPSK	MCH	1.1744	1.310	Not Specified	PASS
	HCH	1.1735	1.291	Not Specified	PASS
	LCH	1.1962	1.309	Not Specified	PASS
8DPSK	MCH	1.1862	1.297	Not Specified	PASS
	HCH	1.1843	1.296	Not Specified	PASS





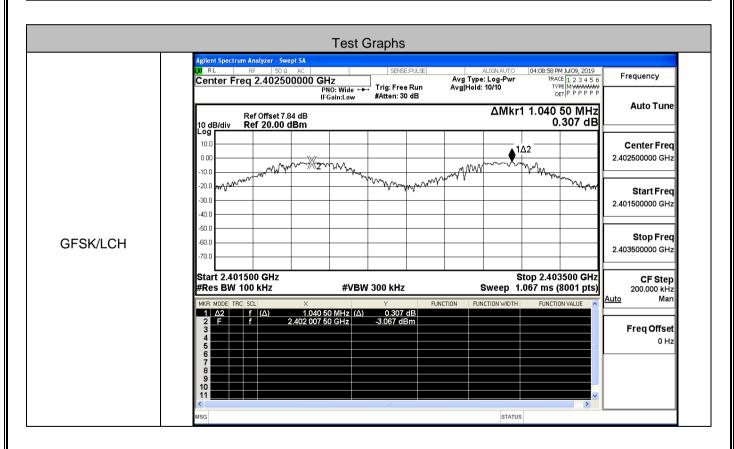


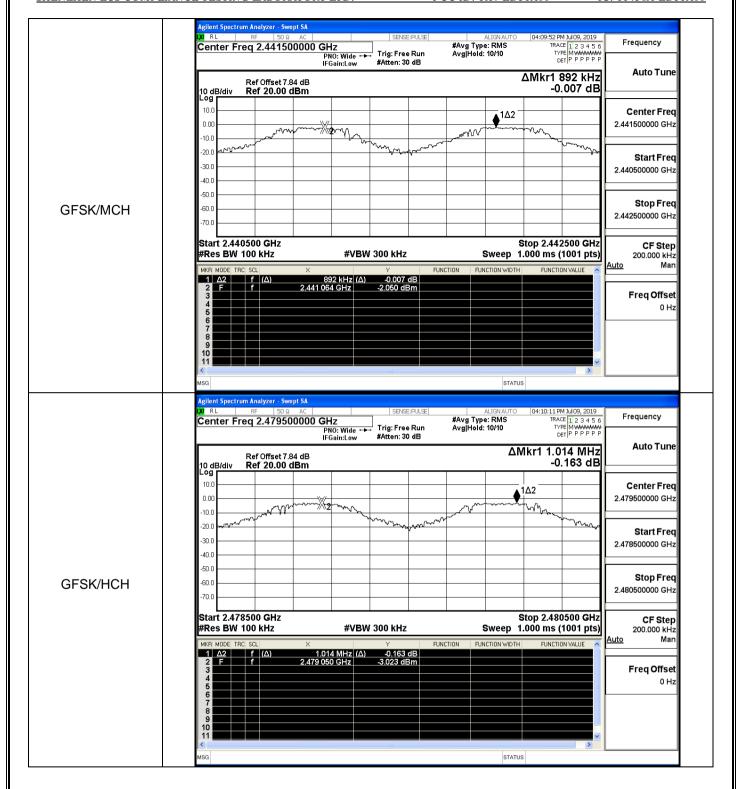


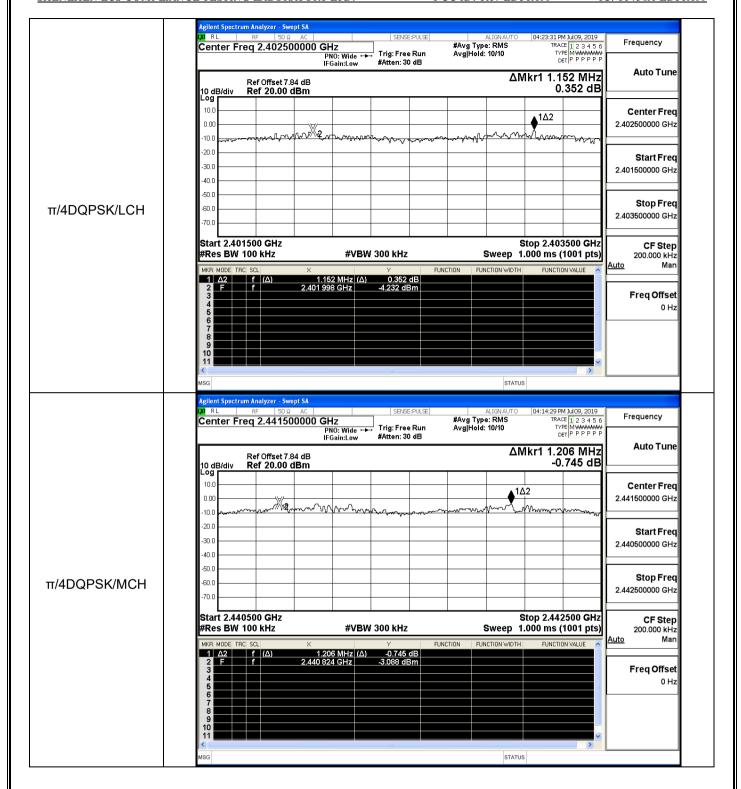


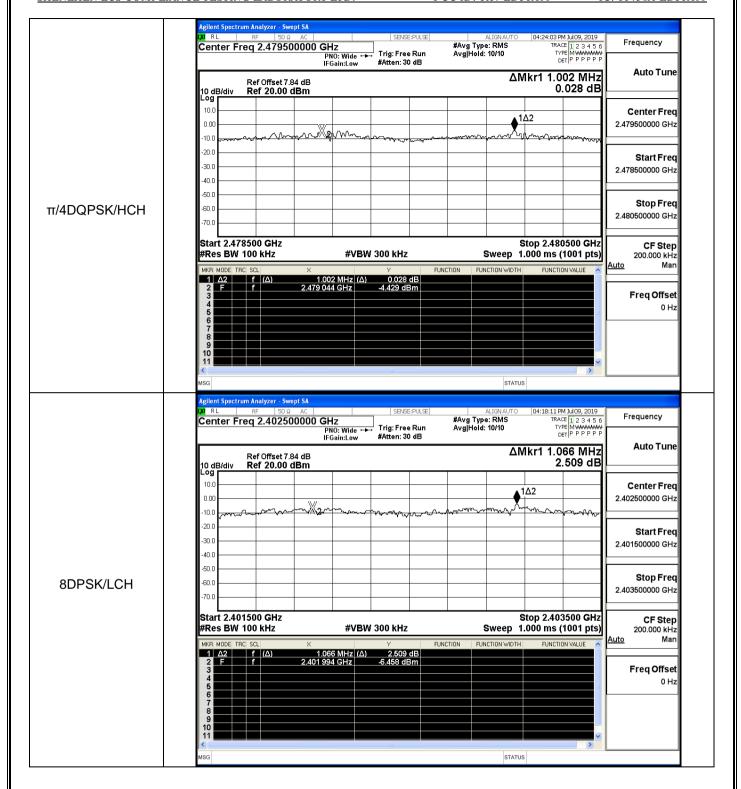
A.3 Carrier Frequency Separation

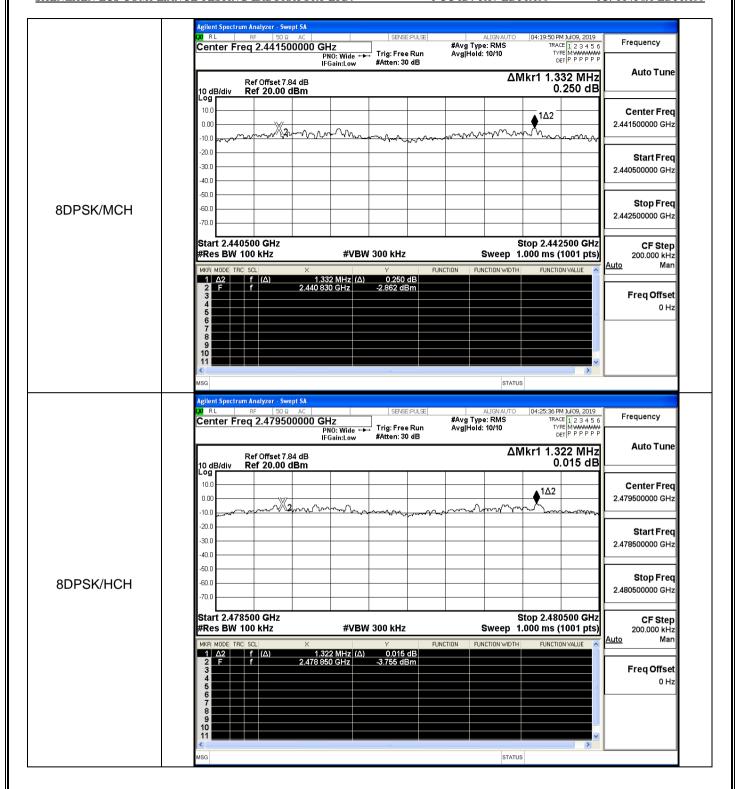
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.040	0.684	PASS
GFSK	MCH	0.892	0.684	PASS
	HCH	1.014	0.684	PASS
	LCH	1.152	0.873	PASS
π/4DQPSK	MCH	1.206	0.873	PASS
	HCH	1.002	0.873	PASS
	LCH	1.066	0.873	PASS
8DPSK	PSK MCH 1.332		0.873	PASS
	HCH	1.322	0.873	PASS





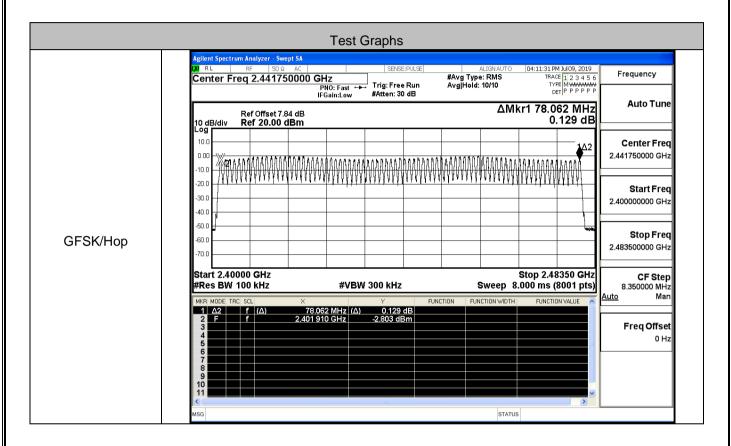


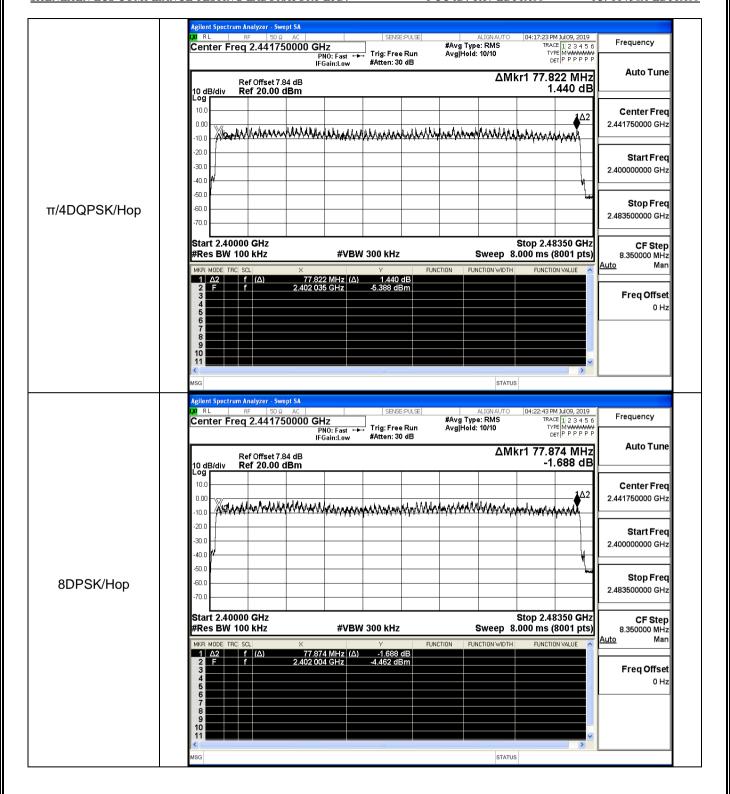




A.4 Hopping Channel Number

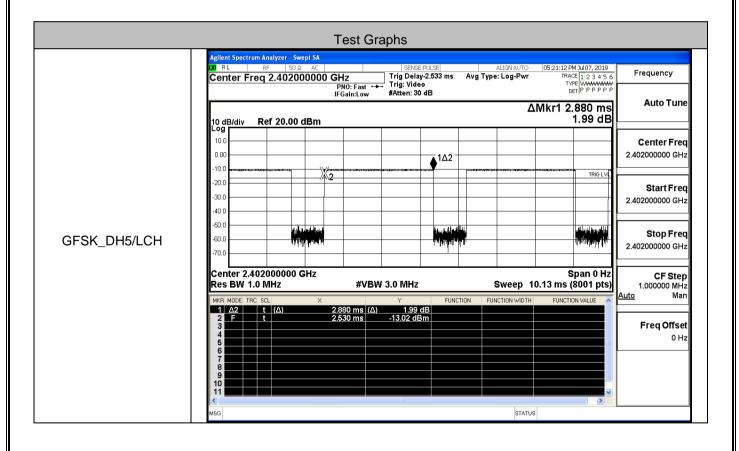
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

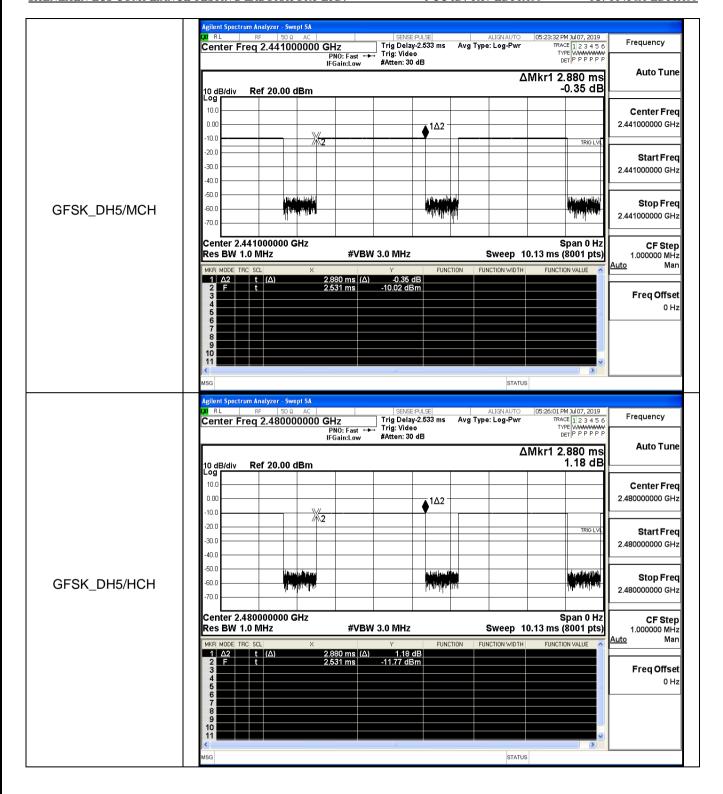


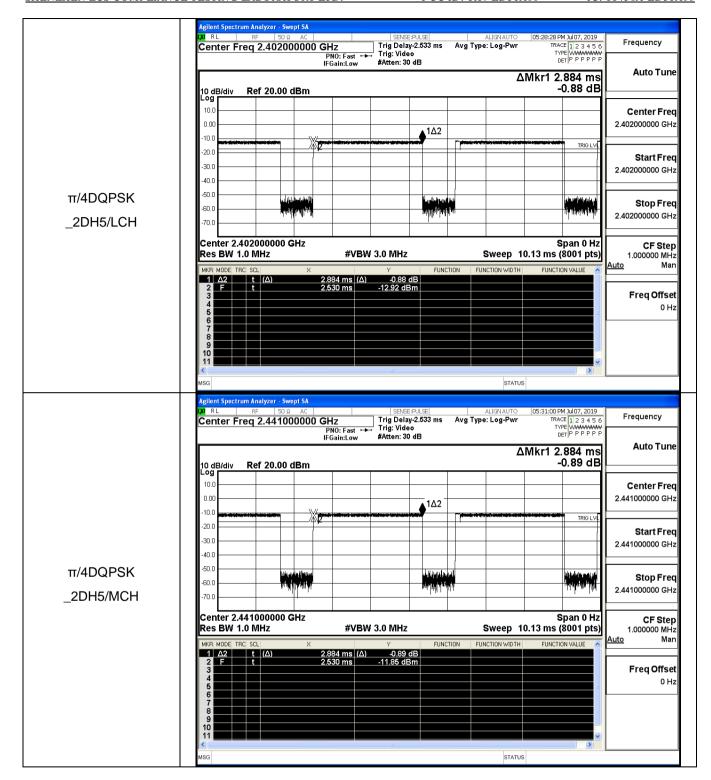


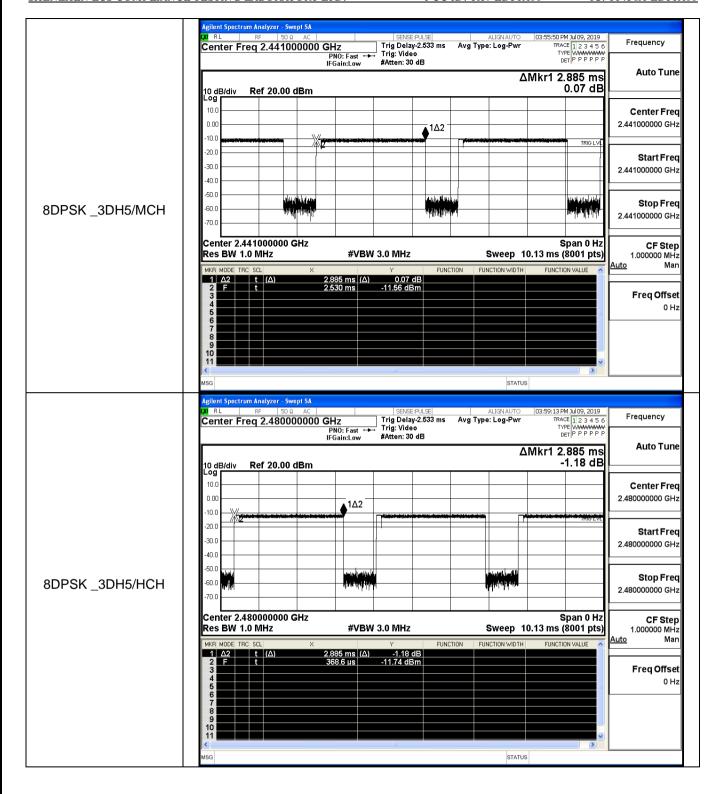
A.5 Dwell Time

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	2.89	106.7	0.308	0.4	PASS
	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	HCH	2.89	106.7	0.308	0.4	PASS



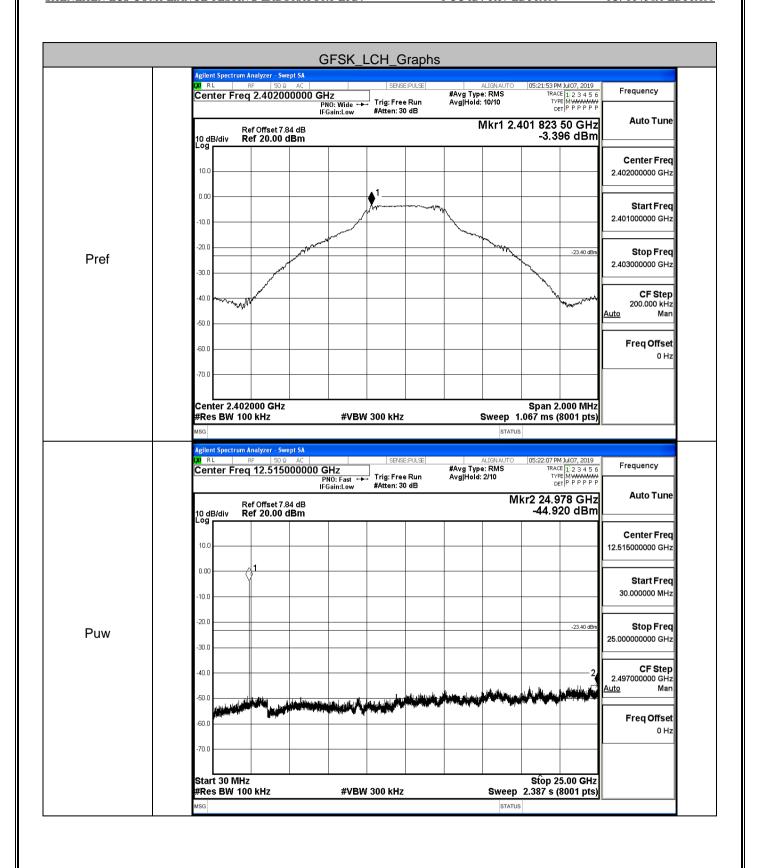


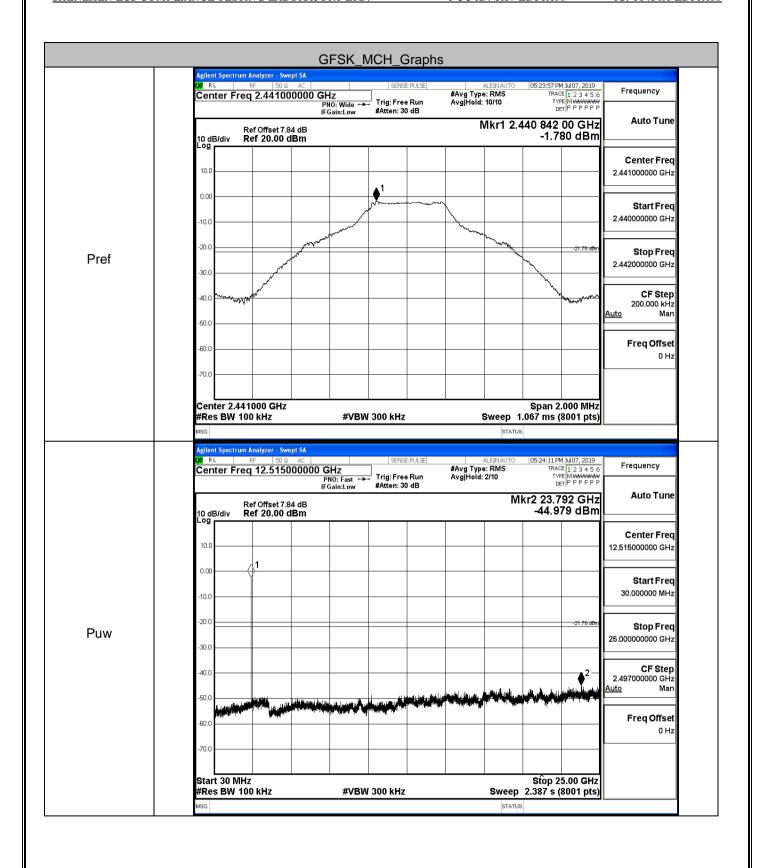


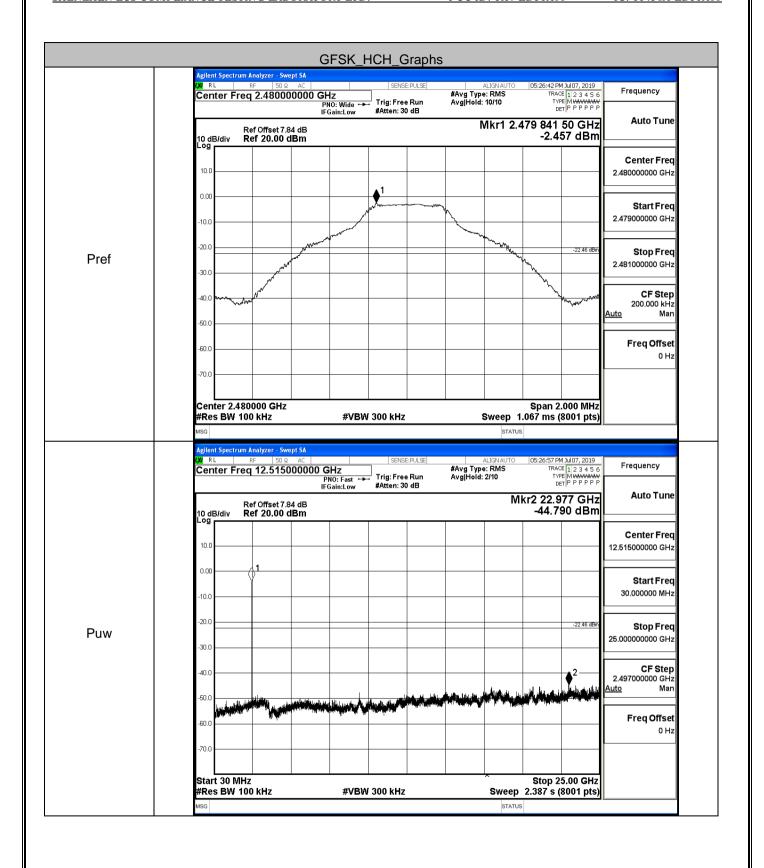


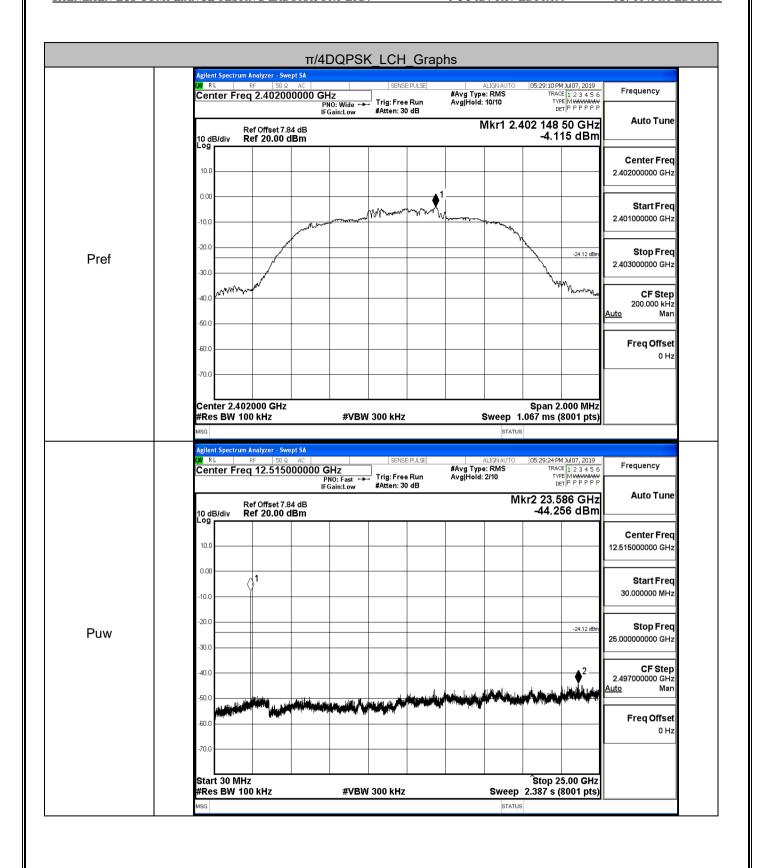
A.6 RF Conducted Spurious Emissions

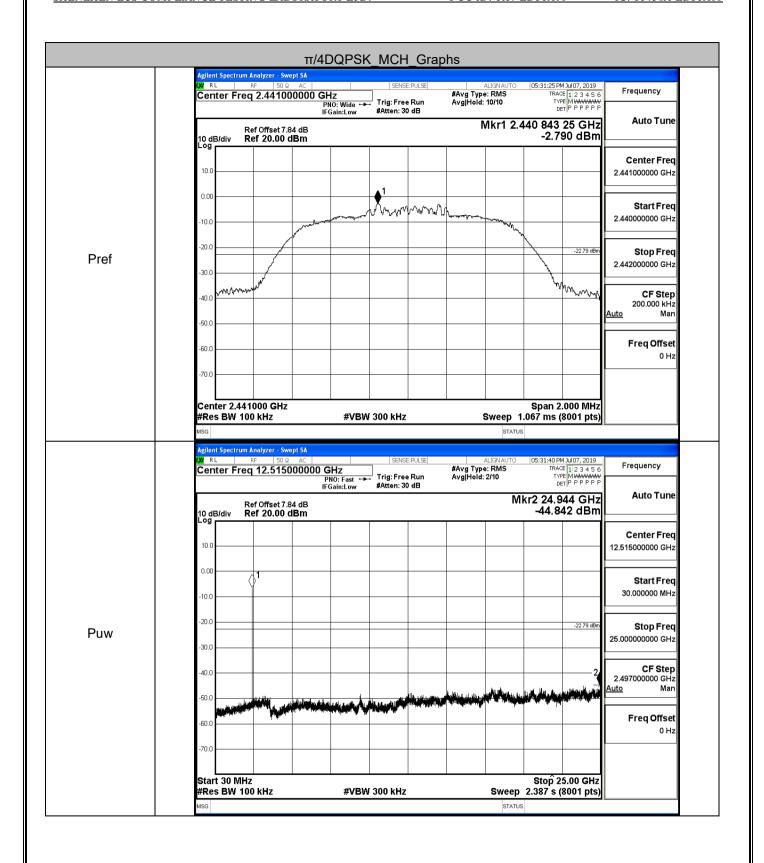
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-3.396	-44.920	-23.396	PASS
GFSK	MCH	-1.78	-44.979	-21.780	PASS
	НСН	-2.457	-44.790	-22.457	PASS
	LCH	-4.115	-44.256	-24.115	PASS
π/4DQPSK	MCH	-2.79	-44.842	-22.790	PASS
	HCH	-3.591	-44.908	-23.591	PASS
	LCH	-3.458	-44.971	-23.458	PASS
8DPSK	MCH	-2.613	-44.112	-22.613	PASS
	HCH	-3.755	-45.700	-23.755	PASS

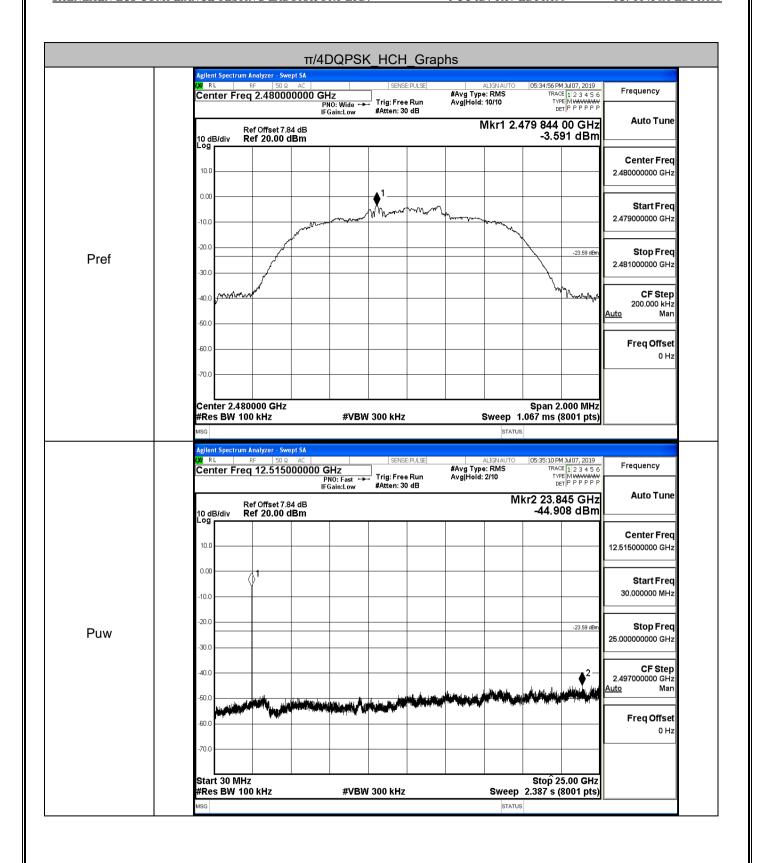


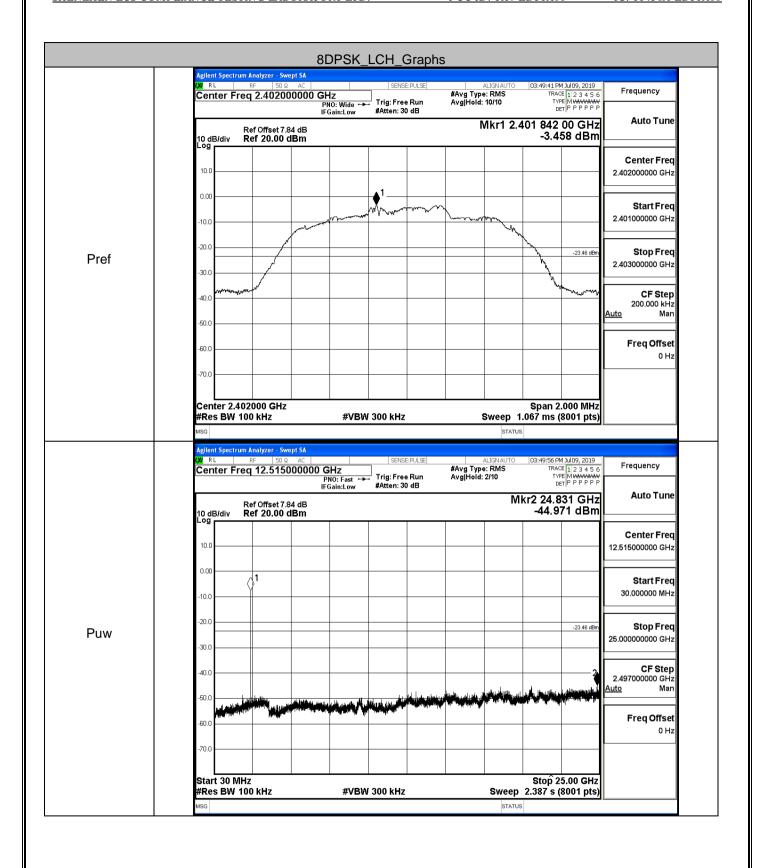


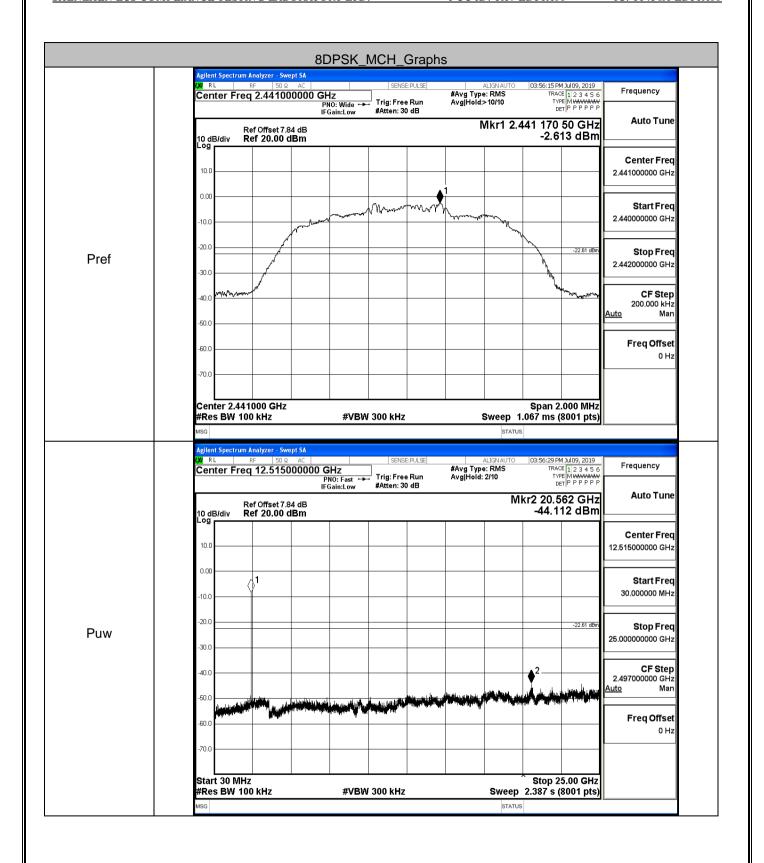


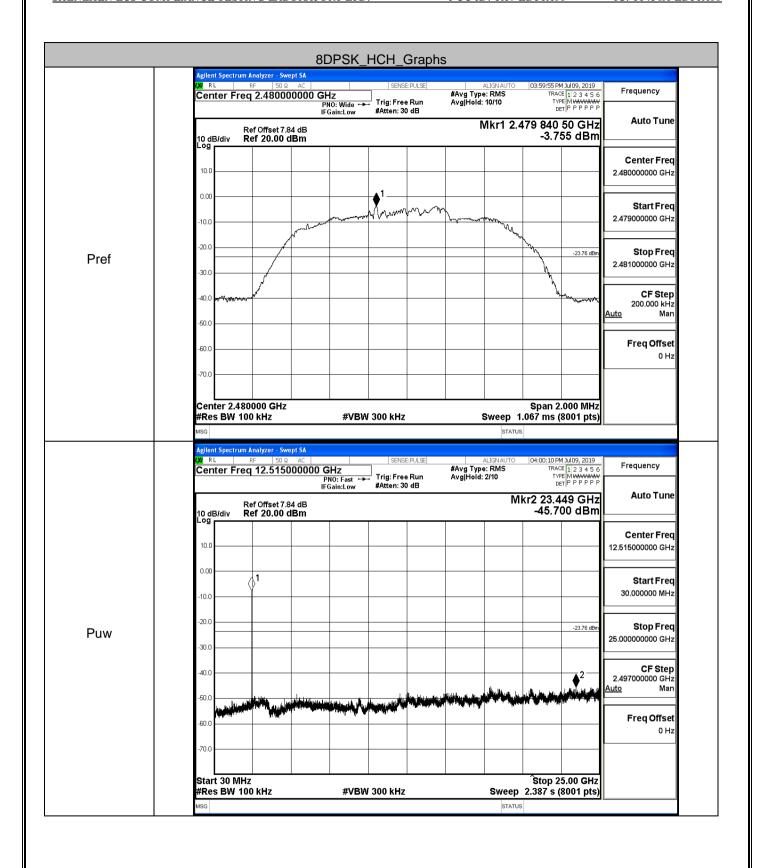






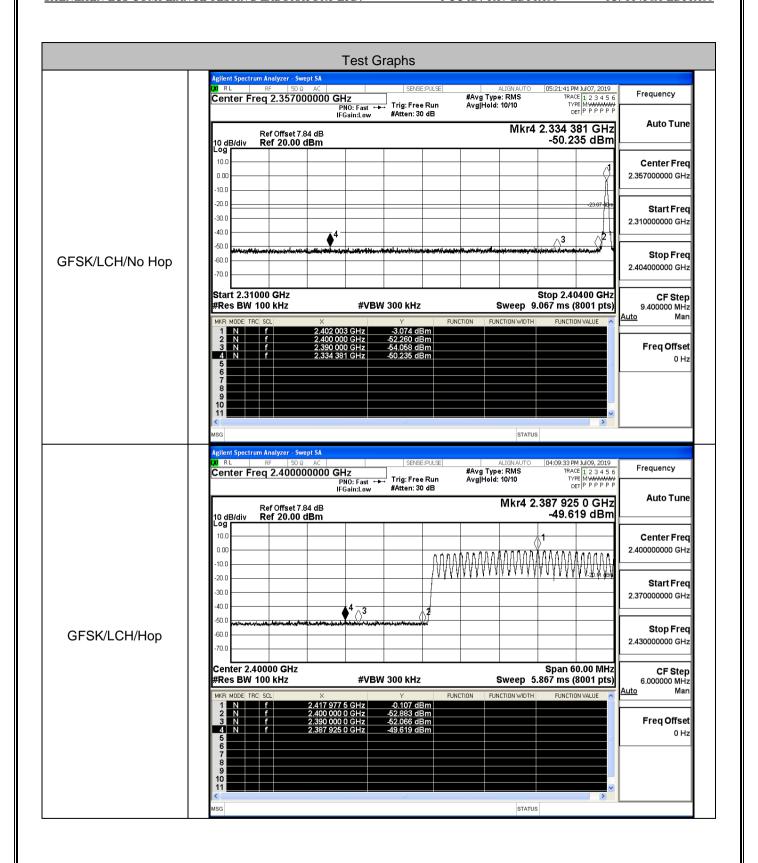


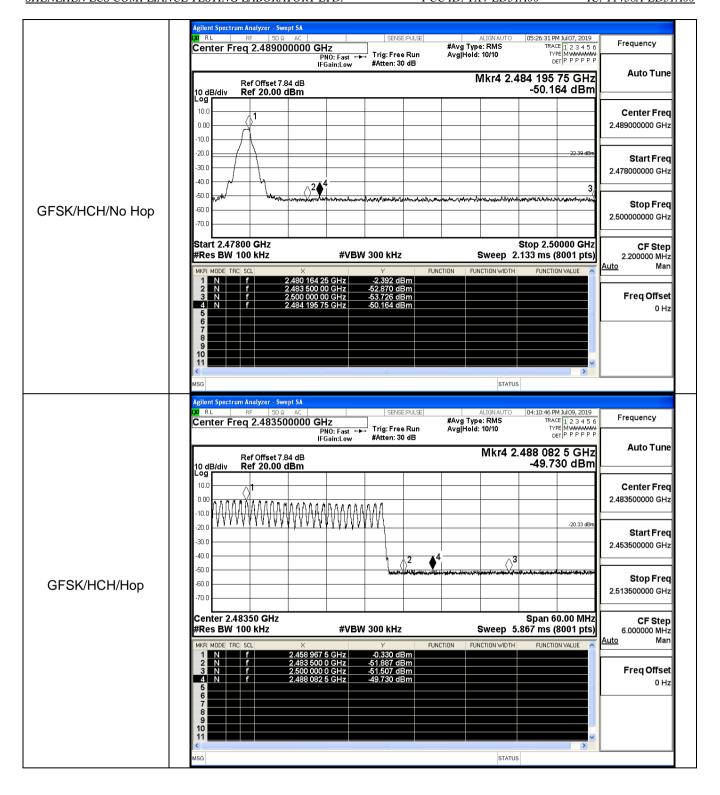


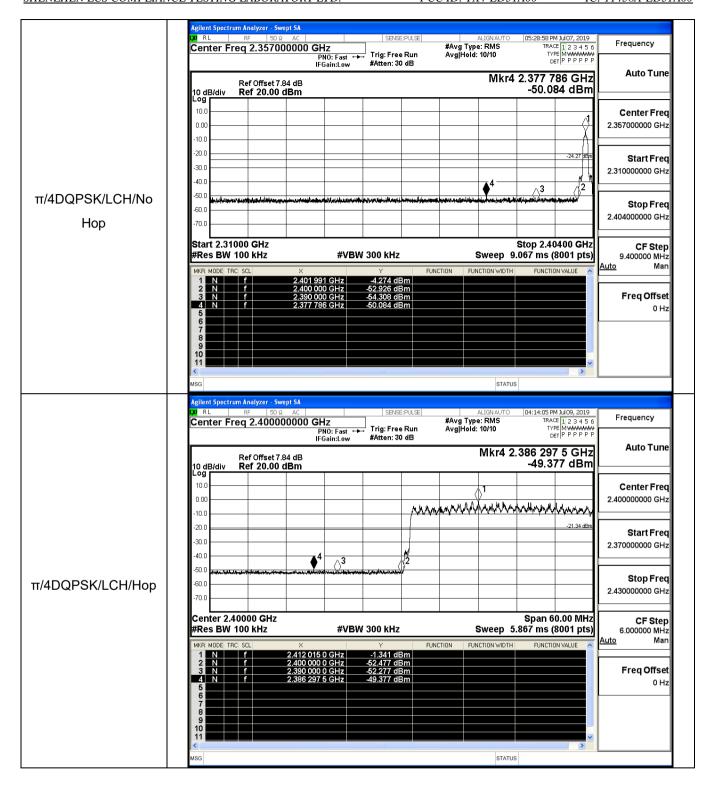


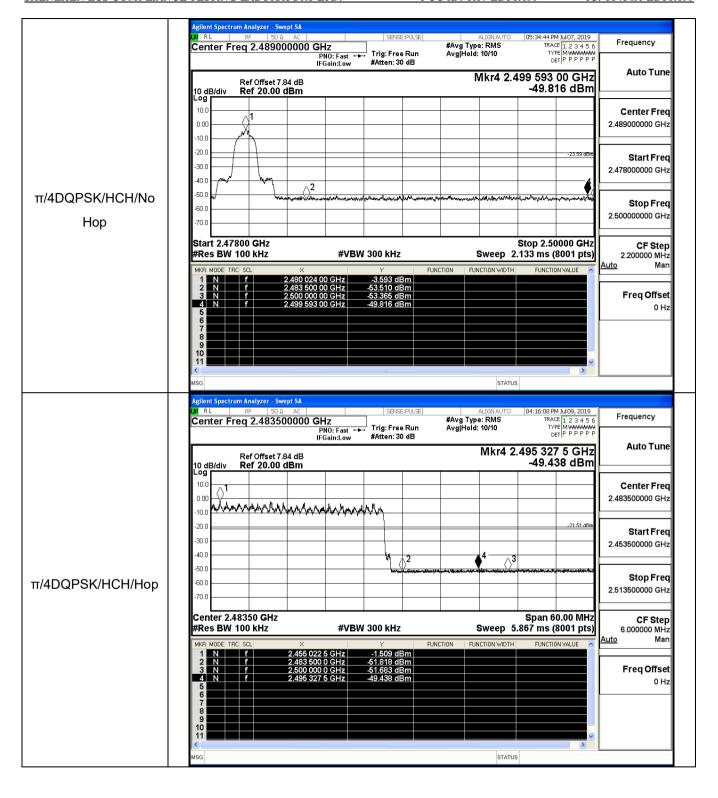
A.7 Band-edge for RF Conducted Emissions

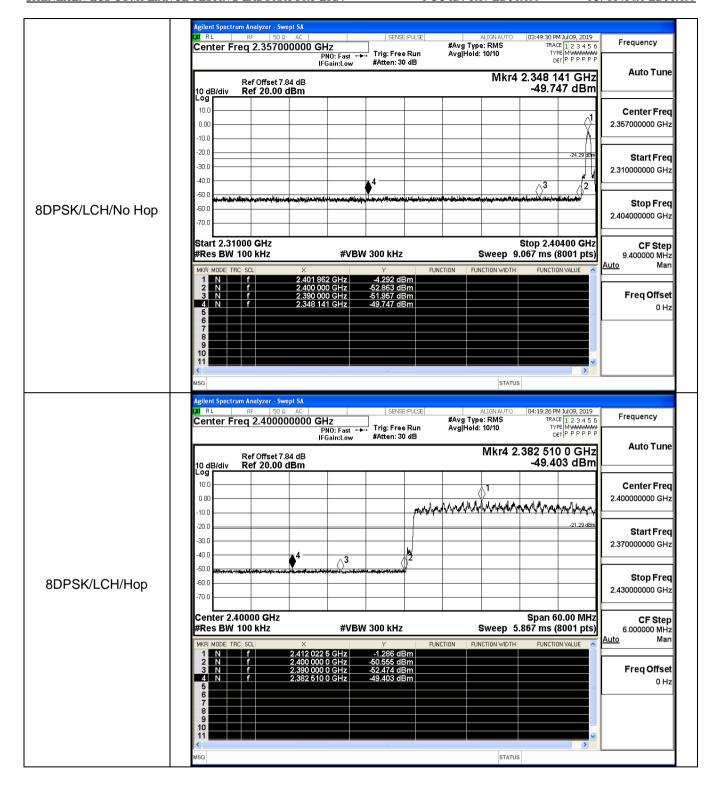
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
		0.400	-3.074	Off	-50.235	-23.07	PASS	
0.5014	LCH	2402	-0.107	On	-49.619	-20.11	PASS	
GFSK	НСН	2480	-2.392	Off	-50.164	-22.39	PASS	
			-0.330	On	-49.730	-20.33	PASS	
	LCH			-4.274	Off	-50.084	-24.27	PASS
		2402	-1.341	On	-49.377	-21.34	PASS	
π/4DQPSK	нсн		-3.593	Off	-49.816	-23.59	PASS	
		HCH 2480	-1.509	On	-49.438	-21.51	PASS	
			-4.292	Off	-49.747	-24.29	PASS	
	LCH	2402	-1.286	On	-49.403	-21.29	PASS	
8DPSK		2.422	-4.188	Off	-50.071	-24.19	PASS	
	HCH	2480	-2.084	On	-49.752	-22.08	PASS	

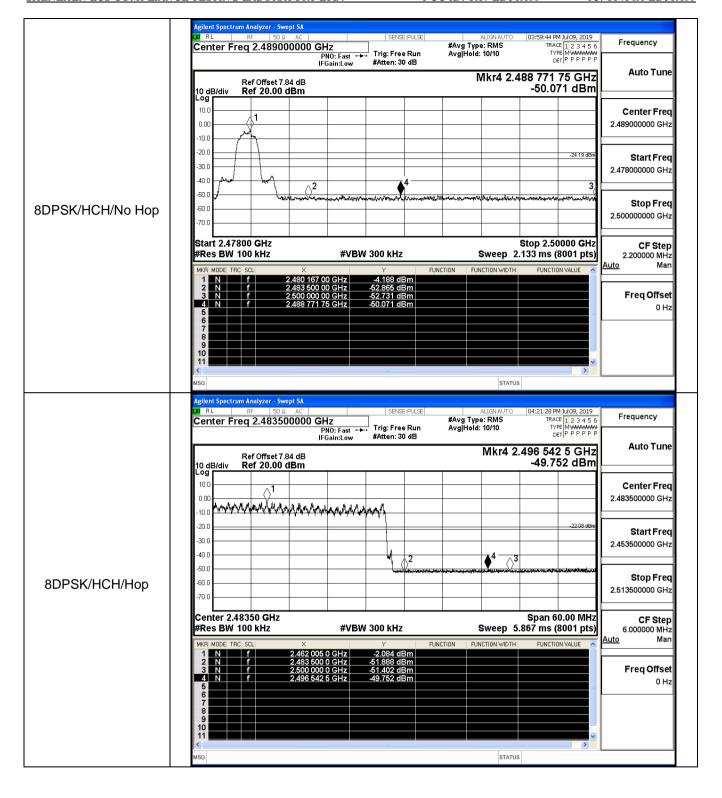






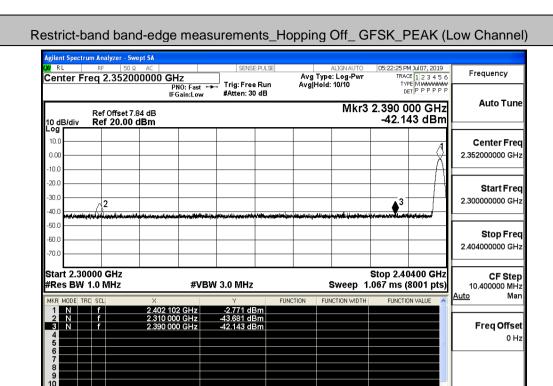






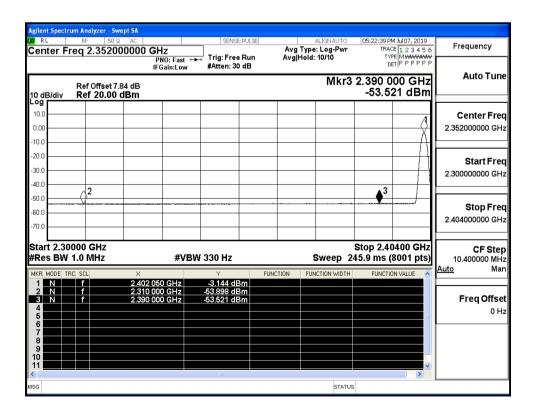
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.681	2.16	0	53.707	PEAK	74	PASS
	Off	2310.0	-53.898	2.16	0	43.490	AV	54	PASS
	Off	2390.0	-42.143	2.16	0	55.245	PEAK	74	PASS
	Off	2390.0	-53.521	2.16	0	43.867	AV	54	PASS
GFSK	Off	2483.5	-42.877	2.16	0	54.511	PEAK	74	PASS
	Off	2483.5	-53.206	2.16	0	44.182	AV	54	PASS
	Off	2500.0	-43.997	2.16	0	53.391	PEAK	74	PASS
	Off	2500.0	-53.098	2.16	0	44.290	AV	54	PASS
	Off	2310.0	-43.137	2.16	0	54.251	PEAK	74	PASS
	Off	2310.0	-53.760	2.16	0	43.628	AV	54	PASS
	Off	2390.0	-42.752	2.16	0	54.636	PEAK	74	PASS
	Off	2390.0	-53.497	2.16	0	43.891	AV	54	PASS
π/4DQPSK	Off	2483.5	-42.660	2.16	0	54.728	PEAK	74	PASS
	Off	2483.5	-53.214	2.16	0	44.174	AV	54	PASS
	Off	2500.0	-42.993	2.16	0	54.395	PEAK	74	PASS
	Off	2500.0	-53.095	2.16	0	44.293	AV	54	PASS
	Off	2310.0	-42.690	2.16	0	54.698	PEAK	74	PASS
	Off	2310.0	-53.772	2.16	0	43.616	AV	54	PASS
	Off	2390.0	-42.169	2.16	0	55.219	PEAK	74	PASS
	Off	2390.0	-53.595	2.16	0	43.793	AV	54	PASS
8DPSK	Off	2483.5	-43.494	2.16	0	53.894	PEAK	74	PASS
	Off	2483.5	-53.262	2.16	0	44.126	AV	54	PASS
	Off	2500.0	-43.518	2.16	0	53.870	PEAK	74	PASS
	Off	2500.0	-53.141	2.16	0	44.247	AV	54	PASS

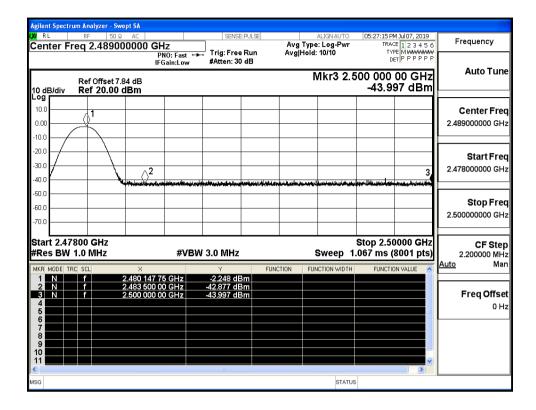


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

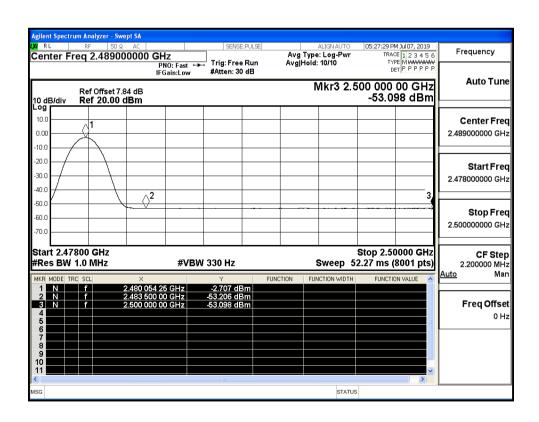
STATUS



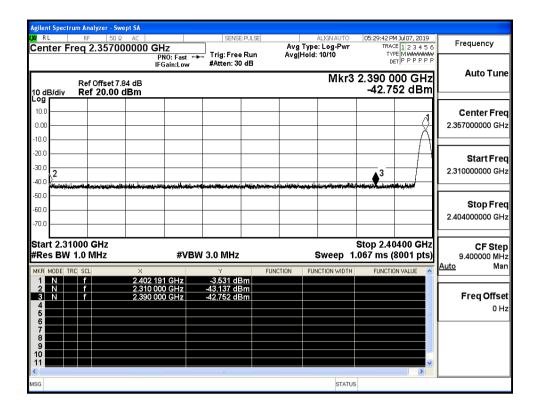
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



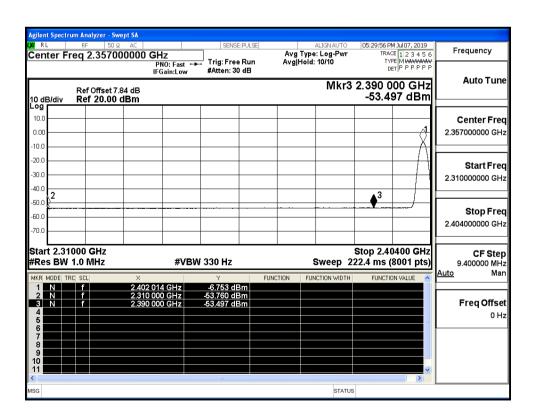
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



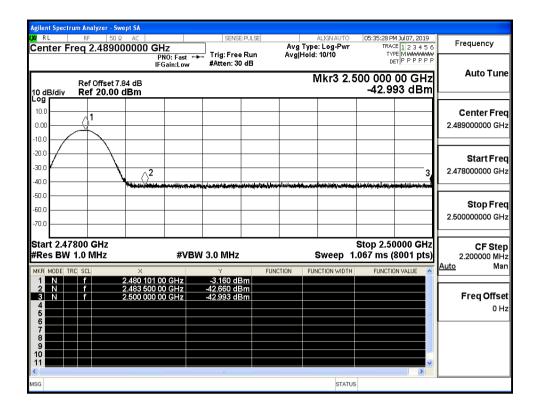
Restrict-band band-edge measurements_Hopping Off π/4-DQPSK_PEAK (Low Channel)



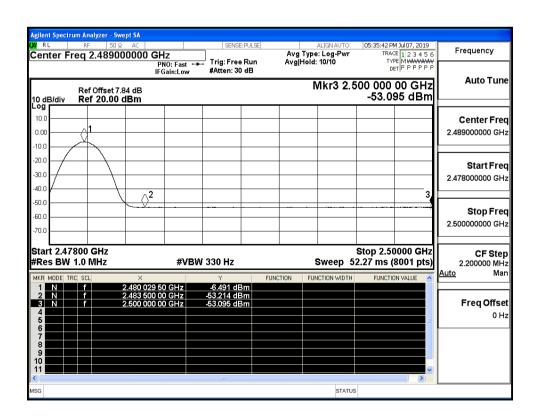
Restrict-band band-edge measurements_Hopping Off π/4-DQPSK_Average (Low Channel)



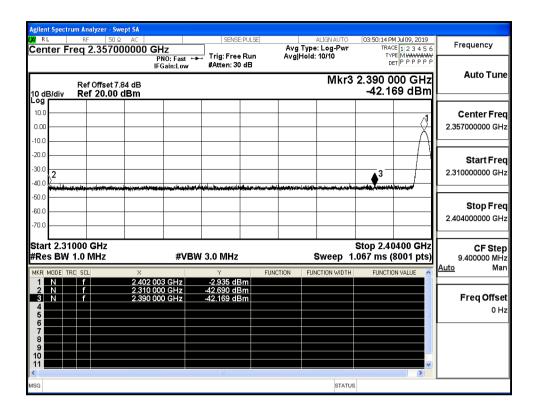
Restrict-band band-edge measurements_Hopping Off π/4-DQPSK_PEAK (High Channel)



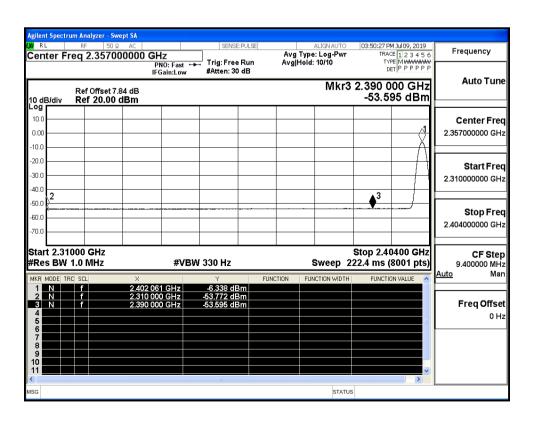
Restrict-band band-edge measurements_Hopping Off π/4-DQPSK_Average (High Channel)



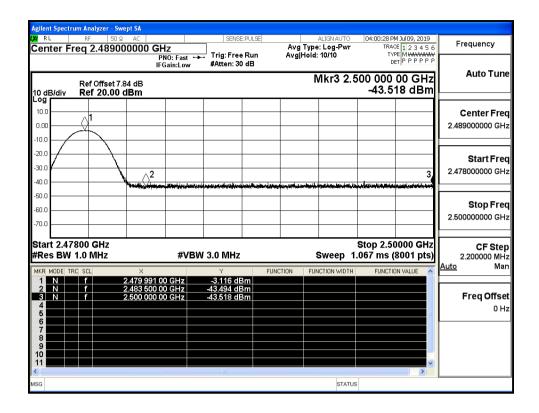
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

