Appendix A

RF Test Data for BT V4.2 (BDR/EDR) (Conducted Measurement)

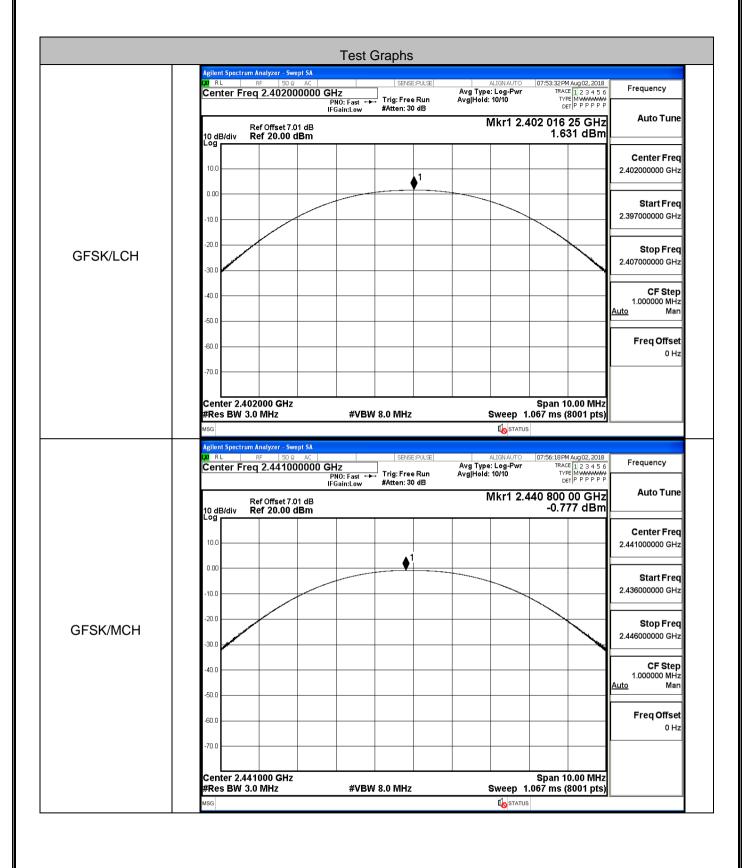
Product Name: Lapbook Trade Mark: Fusion5 Test Model: T90B+ Pro

Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	52.4%
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]	Limit [dBm]	Verdict
	LCH	1.631	21	PASS
GFSK	MCH	-0.777	21	PASS
	НСН	-0.182	21	PASS
	LCH	0.572	21	PASS
π/4DQPSK	MCH	-1.245	21	PASS
	НСН	-0.858	21	PASS
	LCH	0.674	21	PASS
8DPSK	DPSK MCH -1.166		21	PASS
	HCH	-0.848	21	PASS



#VBW 8.0 MHz

-60.0

-70.0

Center 2.480000 GHz #Res BW 3.0 MHz Freq Offset

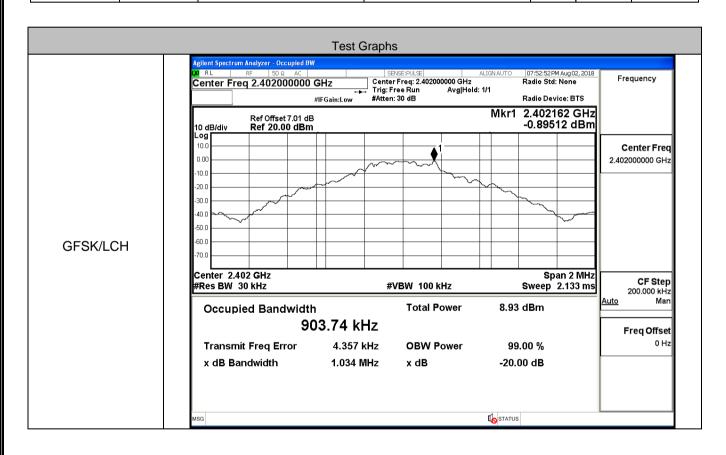
Span 10.00 MHz Sweep 1.067 ms (8001 pts)

STATUS

0 Hz

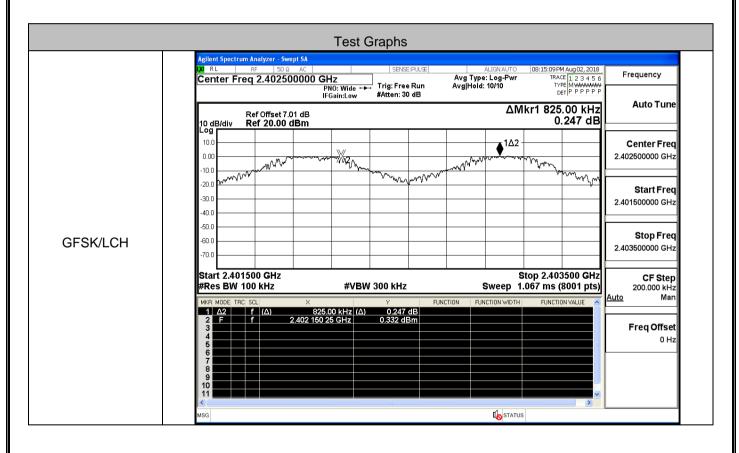
A.2 99% and 20dB Bandwidth

Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.90374	1.034	Not Specified	PASS
GFSK	MCH	0.89957	1.035	Not Specified	PASS
	НСН	0.89853	1.036	Not Specified	PASS
	LCH	1.1710	1.289	Not Specified	PASS
π/4DQPSK	MCH	1.1844	1.316	Not Specified	PASS
	HCH	1.1717	1.289	Not Specified	PASS
	LCH	1.1769	1.284	Not Specified	PASS
8DPSK	DPSK MCH 1.1939		1.300	Not Specified	PASS
	HCH	1.1719	1.293	Not Specified	PASS



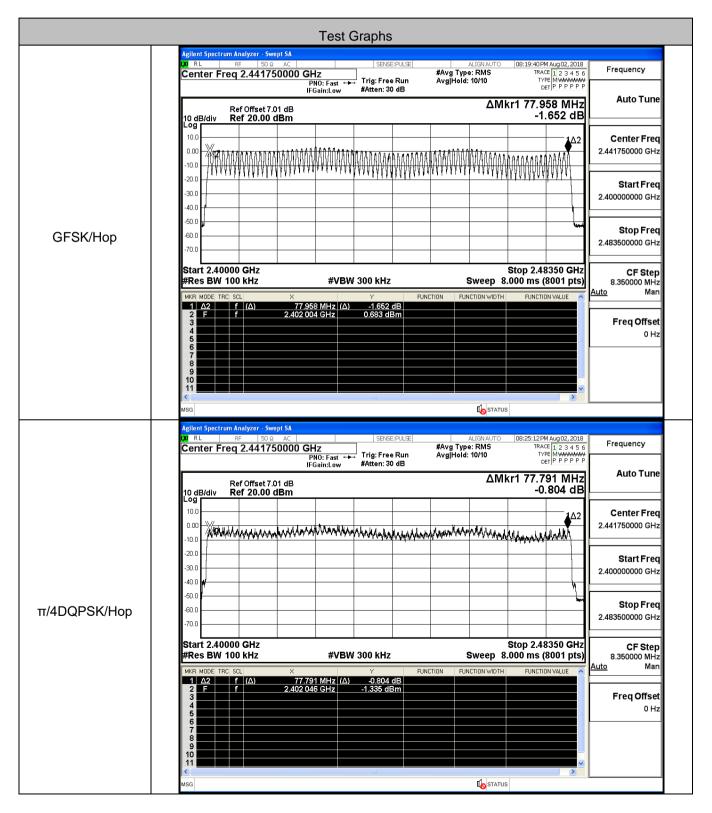
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.825	0.691	PASS
GFSK	MCH	1.146	0.691	PASS
	HCH	0.990	0.691	PASS
	LCH	0.948	0.877	PASS
π/4DQPSK	MCH	0.944	0.877	PASS
	HCH	1.076	0.877	PASS
	LCH	1.272	0.867	PASS
8DPSK	PSK MCH 1.192		0.867	PASS
	HCH	0.978	0.867	PASS



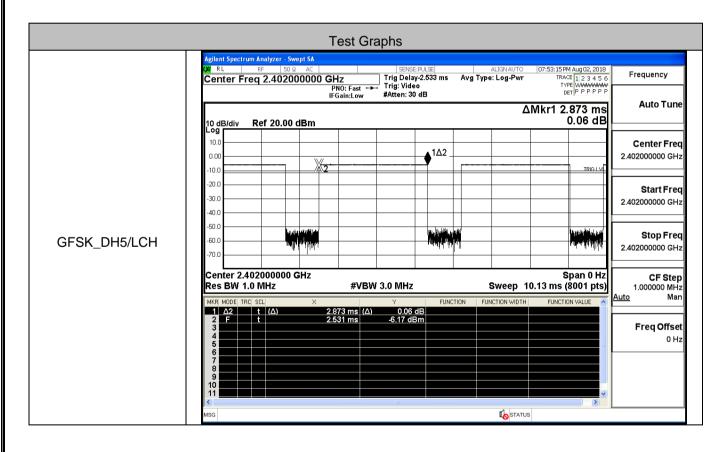
A.4 Hopping Channel Number

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



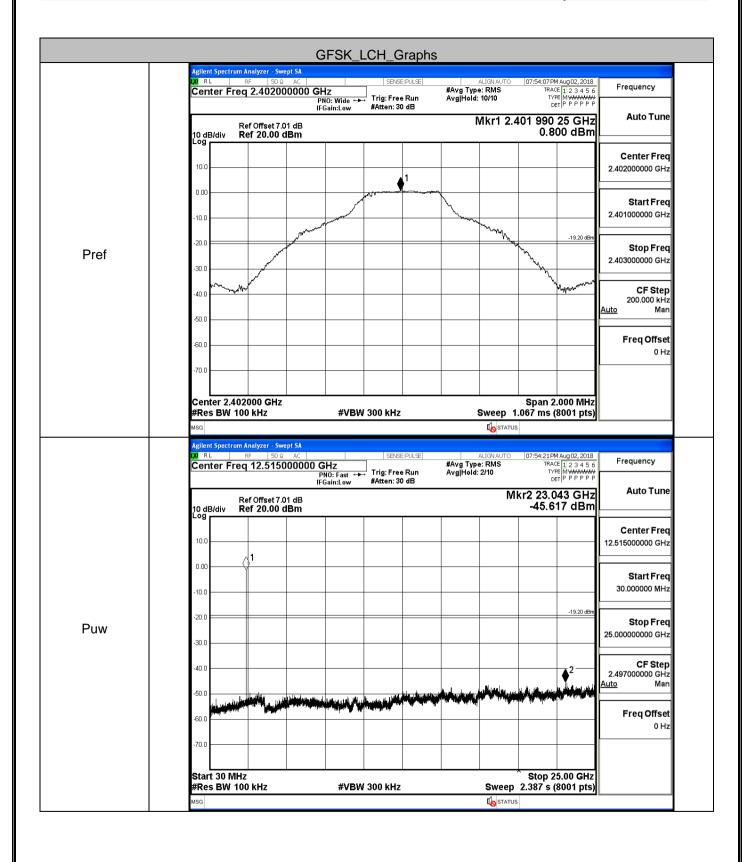
A.5 Dwell Time

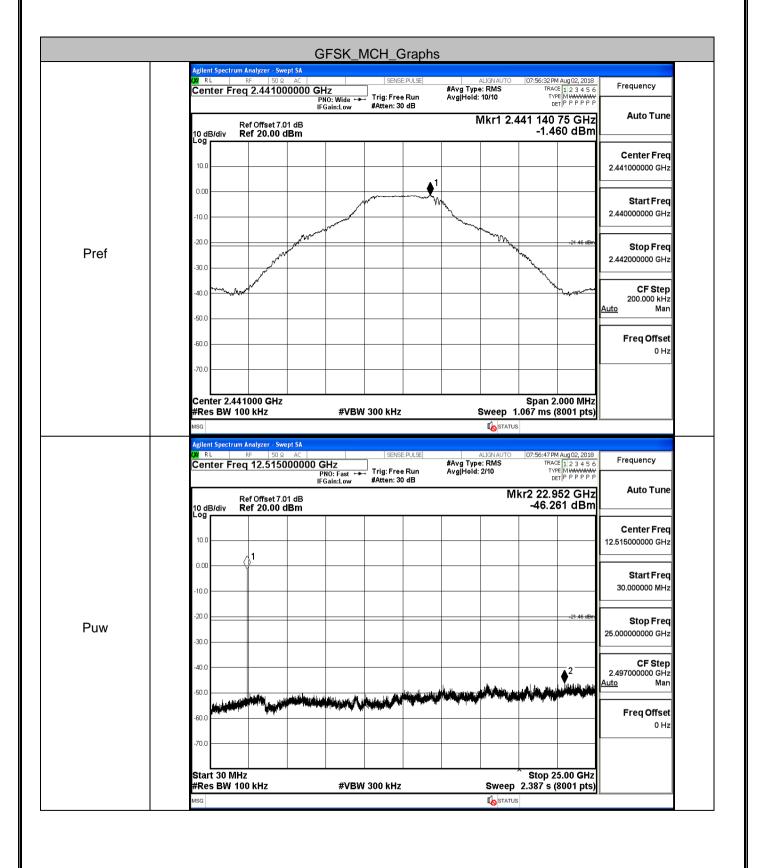
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.87	106.7	0.306	0.4	PASS
GFSK	GFSK DH5 MCH		2.87	106.7	0.306	0.4	PASS
	DH5	HCH	2.87	106.7	0.306	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	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

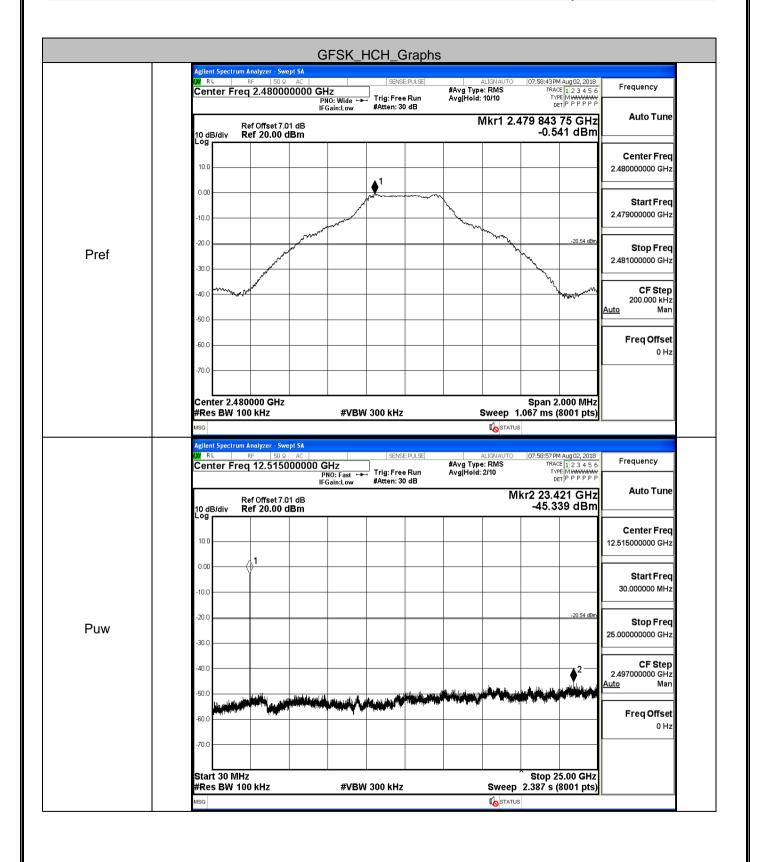


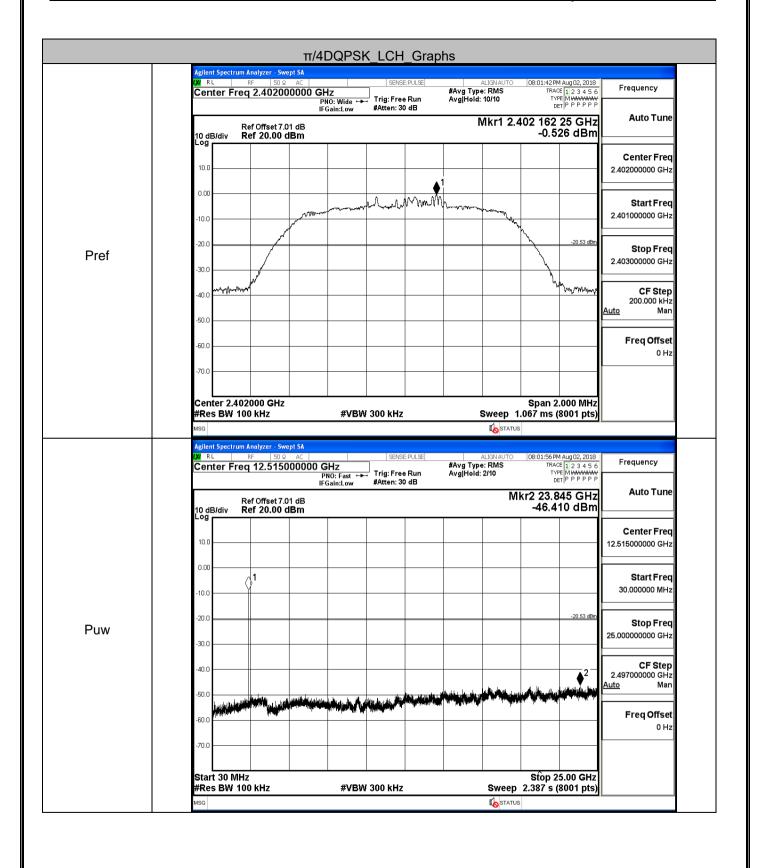
A.6 RF Conducted Spurious Emissions

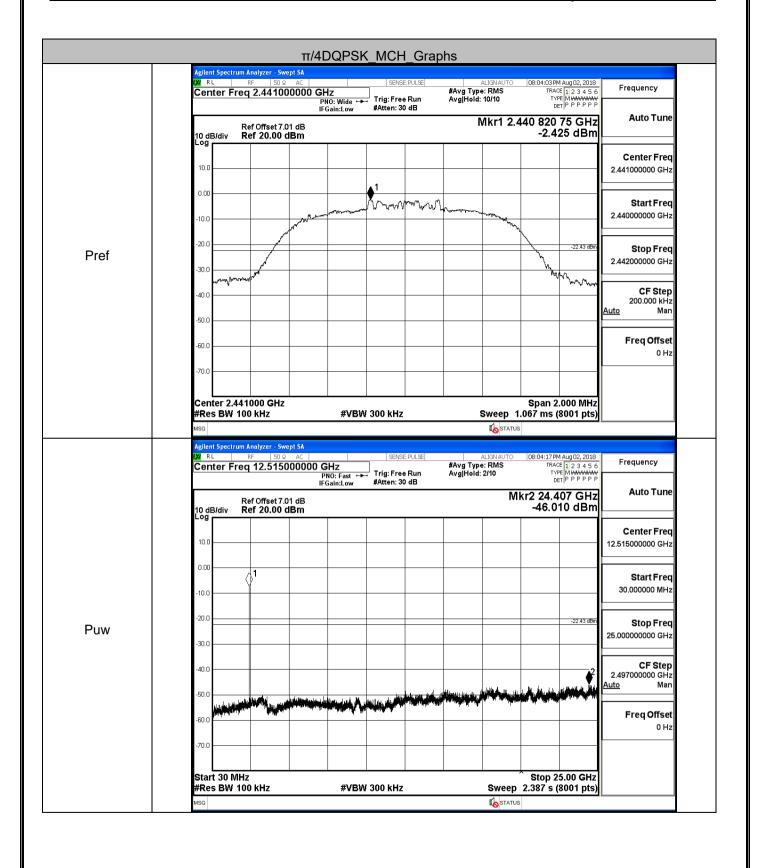
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.8	-45.617	-19.200	PASS
GFSK	MCH	-1.46	-46.261	-21.460	PASS
	HCH	-0.541	-45.339	-20.541	PASS
	LCH	-0.526	-46.410	-20.526	PASS
π/4DQPSK	MCH	-2.425	-46.010	-22.425	PASS
	НСН	-1.815	-45.338	-21.815	PASS
8DPSK	LCH	-0.431	-45.054	-20.431	PASS
	MCH	-2.059	-45.976	-22.059	PASS
	НСН	-2.178	-45.744	-22.178	PASS

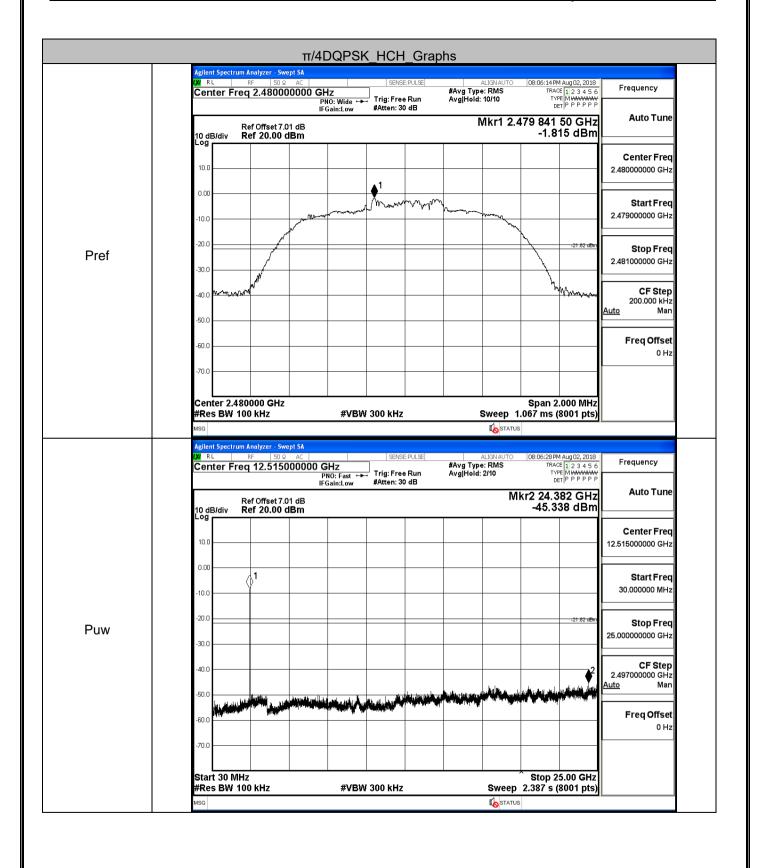


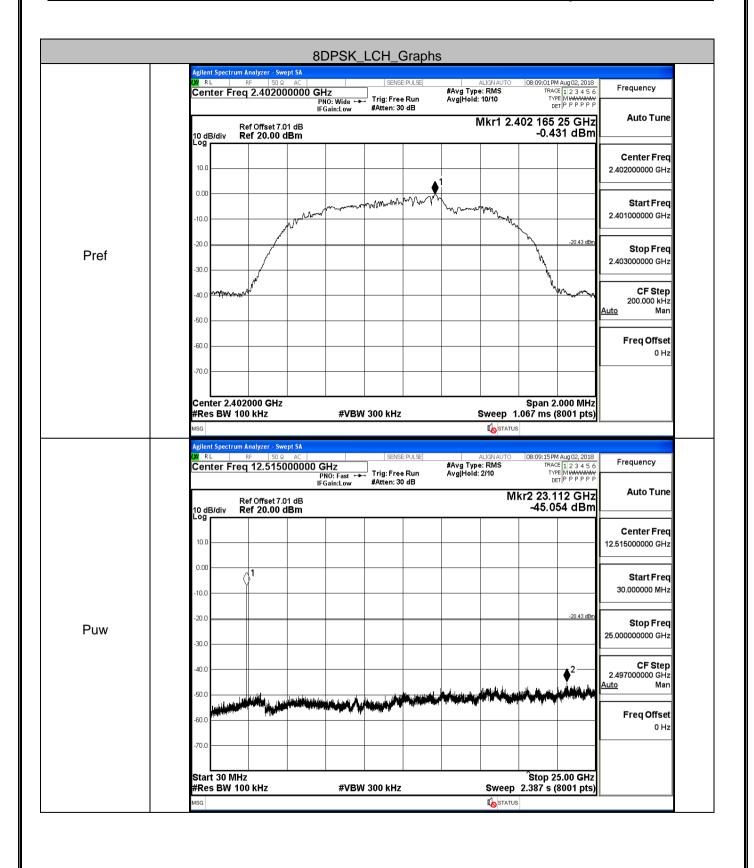


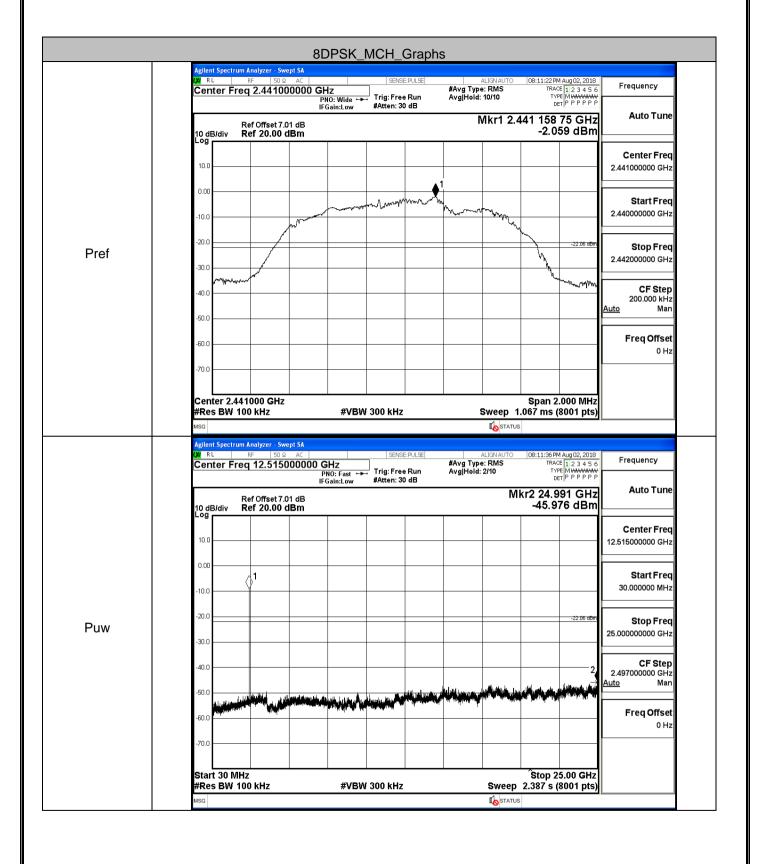


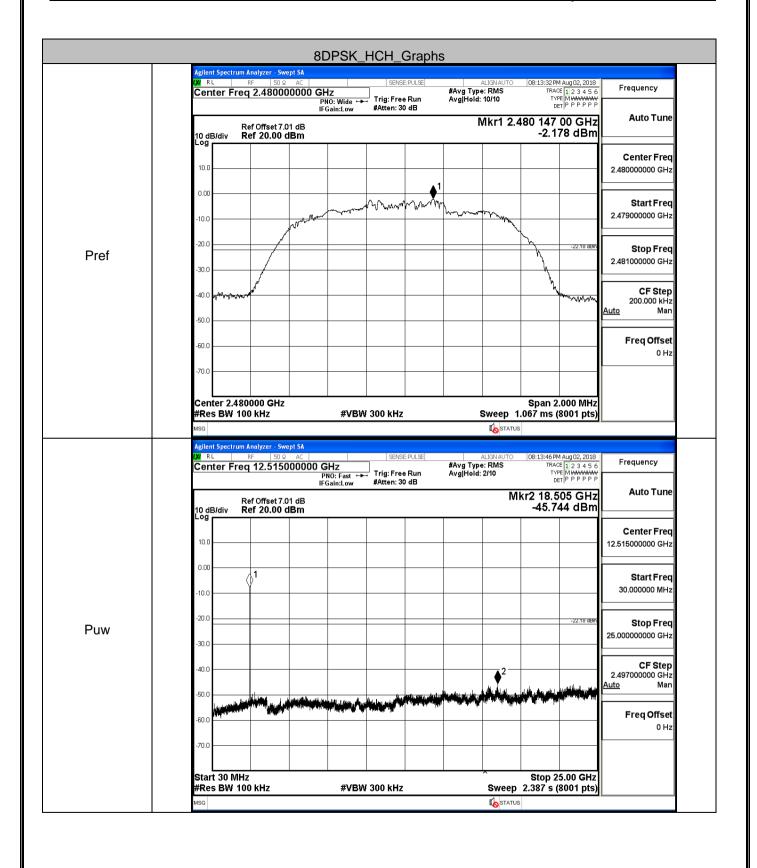






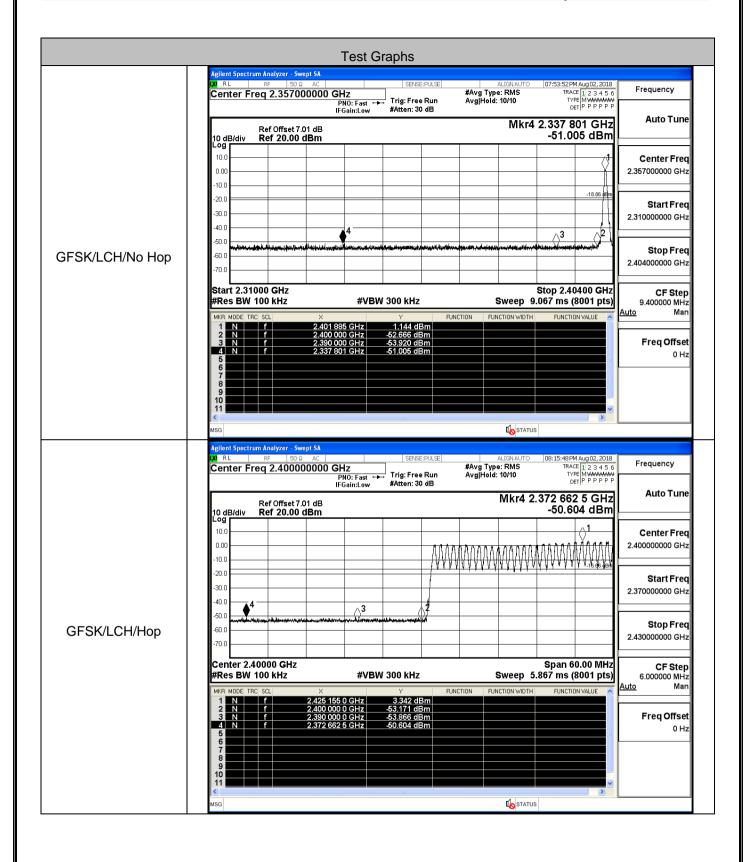






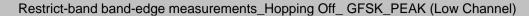
A.7 Band-edge for RF Conducted Emissions

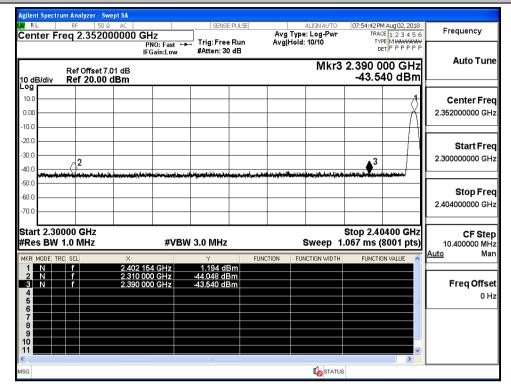
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			1.144	Off	-51.005	-18.86	PASS	
	LCH	2402	3.342	On	-50.604	-16.66	PASS	
GFSK				-0.681	Off	-51.051	-20.68	PASS
	HCH	2480	2.533	On	-50.797	-17.47	PASS	
	LCH			-1.324	Off	-50.671	-21.32	PASS
		2402	1.959	On	-50.420	-18.04	PASS	
π/4DQPSK	нсн	CH 2480	-1.824	Off	-50.748	-21.82	PASS	
			0.678	On	-50.308	-19.32	PASS	
			-0.861	Off	-51.081	-20.86	PASS	
	LCH	2402	1.898	On	-49.757	-18.1	PASS	
8DPSK			-1.968	Off	-50.984	-21.97	PASS	
	HCH	2480	0.863	On	-50.248	-19.14	PASS	



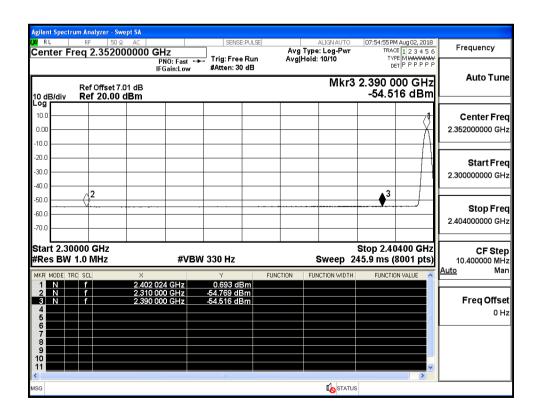
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.05	2.0	0	51.21	PEAK	74	PASS
	Off	2310.0	-54.77	2.0	0	40.49	AV	54	PASS
	Off	2390.0	-43.54	2.0	0	51.72	PEAK	74	PASS
	Off	2390.0	-54.52	2.0	0	40.74	AV	54	PASS
GFSK	Off	2483.5	-45.30	2.0	0	49.95	PEAK	74	PASS
	Off	2483.5	-54.21	2.0	0	41.05	AV	54	PASS
	Off	2500.0	-44.38	2.0	0	50.88	PEAK	74	PASS
	Off	2500.0	-54.00	2.0	0	41.26	AV	54	PASS
	Off	2310.0	-45.00	2.0	0	50.26	PEAK	74	PASS
	Off	2310.0	-54.71	2.0	0	40.55	AV	54	PASS
	Off	2390.0	-43.61	2.0	0	51.65	PEAK	74	PASS
	Off	2390.0	-54.37	2.0	0	40.88	AV	54	PASS
π/4DQPSK	Off	2483.5	-44.36	2.0	0	50.90	PEAK	74	PASS
	Off	2483.5	-53.97	2.0	0	41.29	AV	54	PASS
	Off	2500.0	-43.74	2.0	0	51.52	PEAK	74	PASS
	Off	2500.0	-54.15	2.0	0	41.11	AV	54	PASS
	Off	2310.0	-43.72	2.0	0	51.54	PEAK	74	PASS
	Off	2310.0	-54.69	2.0	0	40.57	AV	54	PASS
	Off	2390.0	-44.84	2.0	0	50.42	PEAK	74	PASS
	Off	2390.0	-54.46	2.0	0	40.79	AV	54	PASS
8DPSK	Off	2483.5	-44.42	2.0	0	50.84	PEAK	74	PASS
	Off	2483.5	-54.14	2.0	0	41.12	AV	54	PASS
	Off	2500.0	-44.27	2.0	0	50.98	PEAK	74	PASS
	Off	2500.0	-54.02	2.0	0	41.24	AV	54	PASS

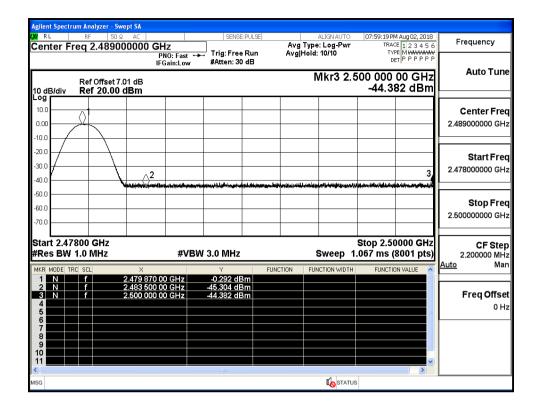




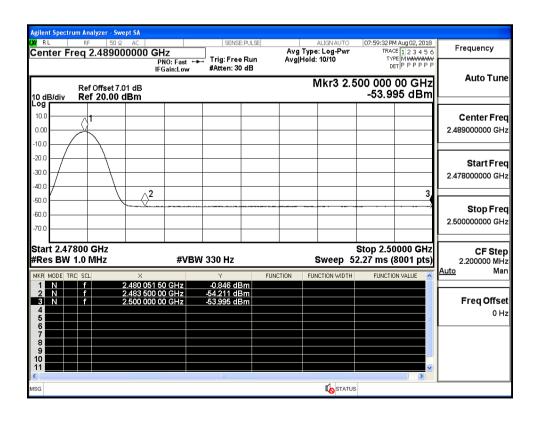
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



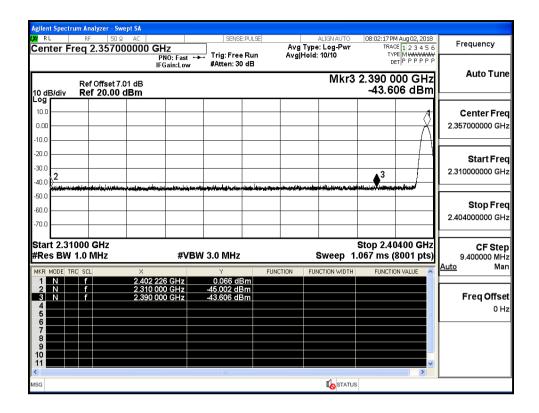
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



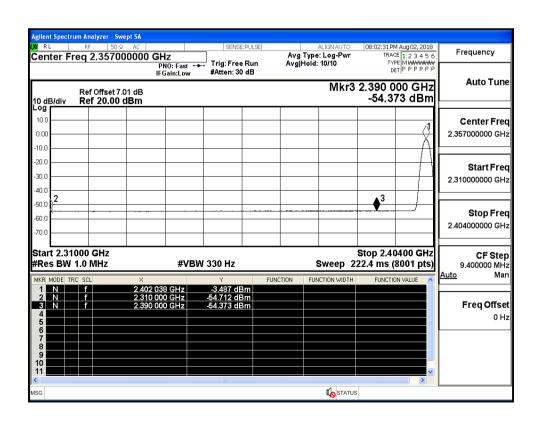
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



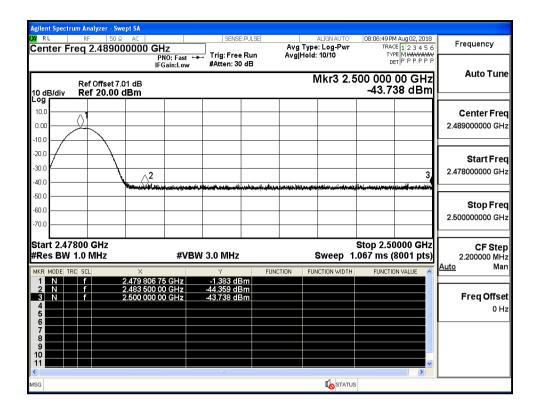
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



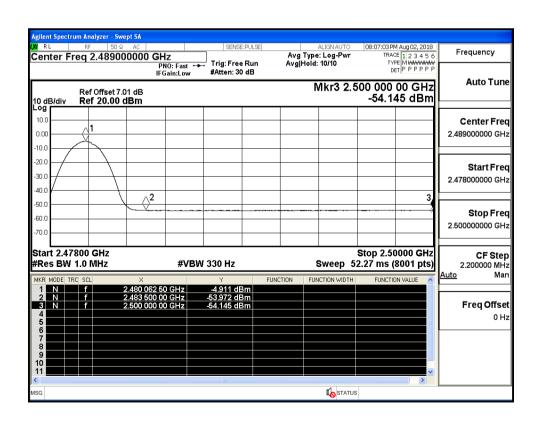
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



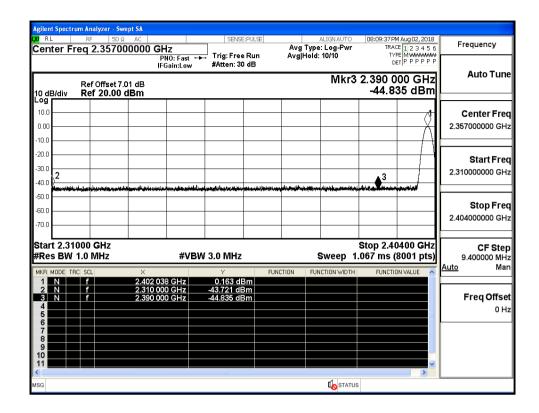
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



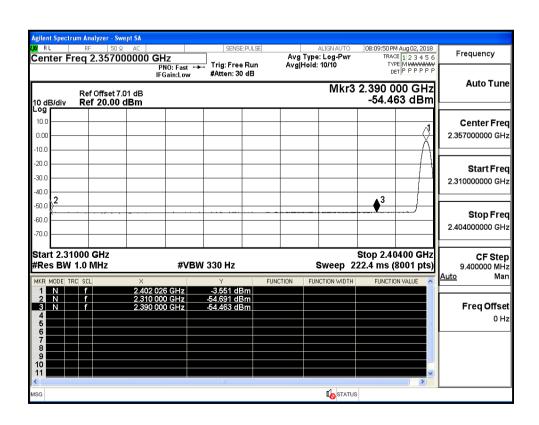
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



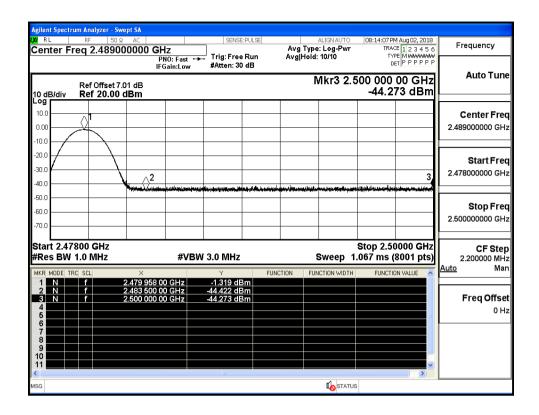
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

