# **Appendix A**

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

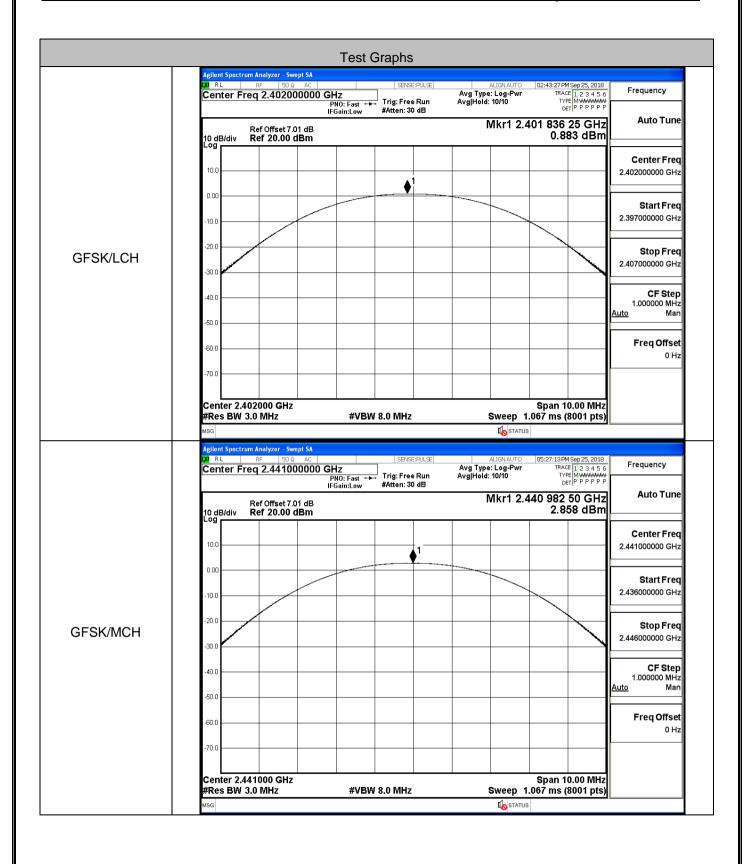
Product Name: TABLET PC Trade Mark: FUSION5 Test Model: FWIN232

#### **Environmental Conditions**

Temperature:	24.3 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

## **A.1 Maxmum Conducted Peak Output Power**

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.883	21	PASS
GFSK	MCH	2.858	21	PASS
	НСН	2.548	21	PASS
	LCH	0.651	21	PASS
π/4DQPSK	MCH	1.528	21	PASS
	НСН	1.667	21	PASS
	LCH	0.591	21	PASS
8DPSK	MCH	1.607	21	PASS
	НСН	1.387	21	PASS



**#VBW 8.0 MHz** 

Span 10.00 MHz Sweep 1.067 ms (8001 pts)

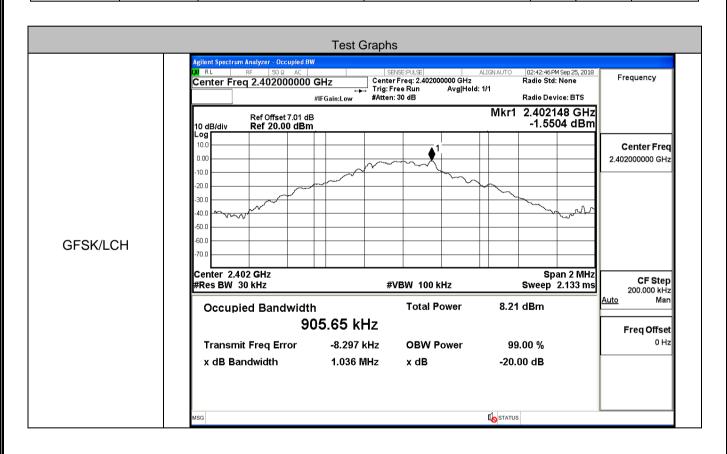
STATUS

-70.0

Center 2.480000 GHz #Res BW 3.0 MHz

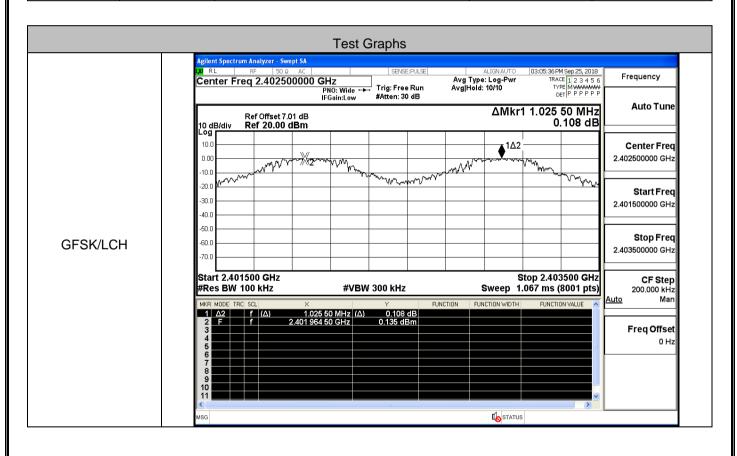
#### A.2 20dB Bandwidth

Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.90565	1.036	Not Specified	PASS
GFSK	MCH	0.90401	1.038	Not Specified	PASS
	HCH	0.90790	1.040	Not Specified	PASS
	LCH	1.1782	1.313	Not Specified	PASS
π/4DQPSK	MCH	1.1747	1.307	Not Specified	PASS
	HCH	1.1713	1.291	Not Specified	PASS
	LCH	1.1850	1.313	Not Specified	PASS
8DPSK	DPSK MCH 1.190		1.327	Not Specified	PASS
	HCH	1.1667	1.211	Not Specified	PASS



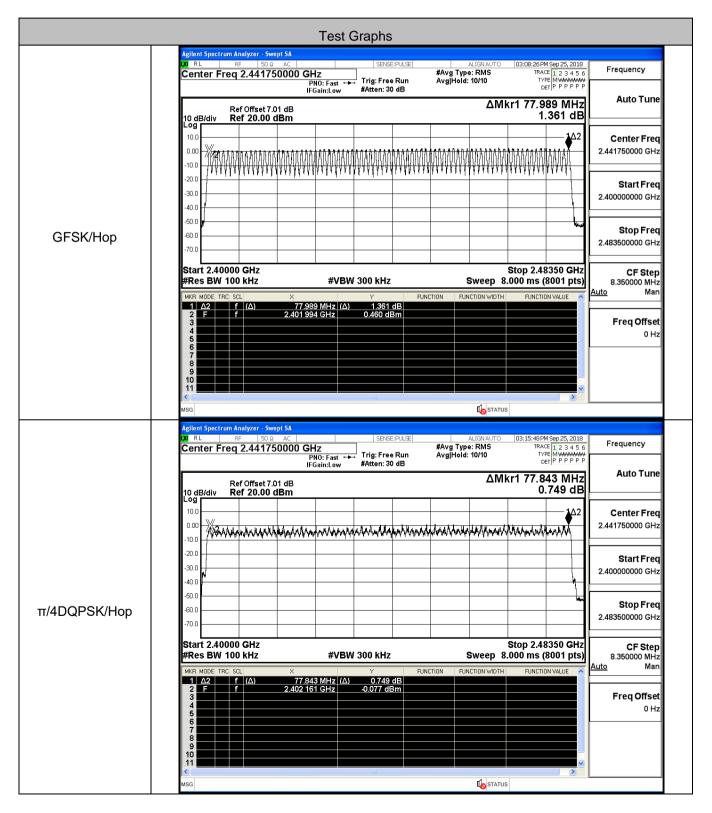
## **A.3 Carrier Frequency Separation**

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.025	0.693	PASS
GFSK	MCH	0.852	0.693	PASS
	HCH	1.186	0.693	PASS
	LCH	0.978	0.875	PASS
π/4DQPSK	MCH	1.134	0.875	PASS
	HCH	1.134	0.875	PASS
	LCH	1.026	0.885	PASS
8DPSK	MCH	1.008	0.885	PASS
	HCH	1.138	0.885	PASS



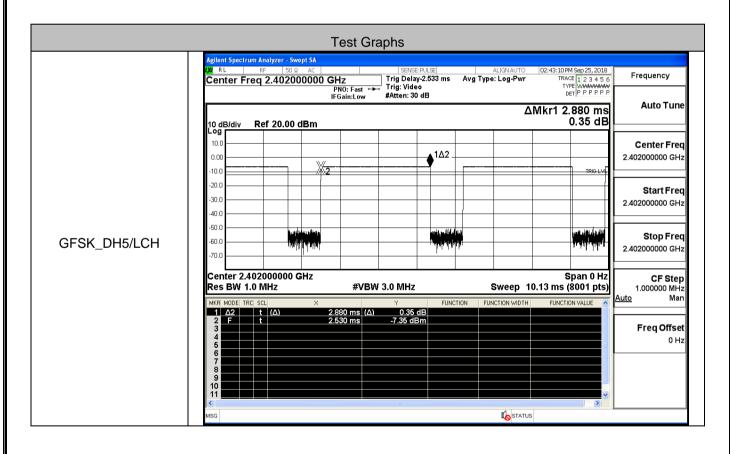
### A.4 Hopping Channel Number

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

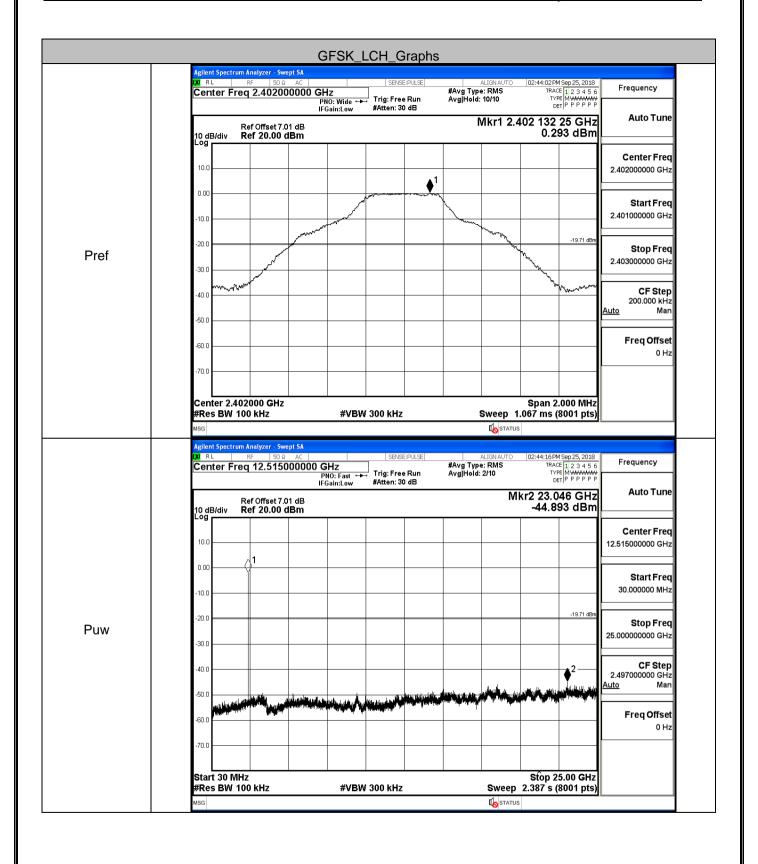


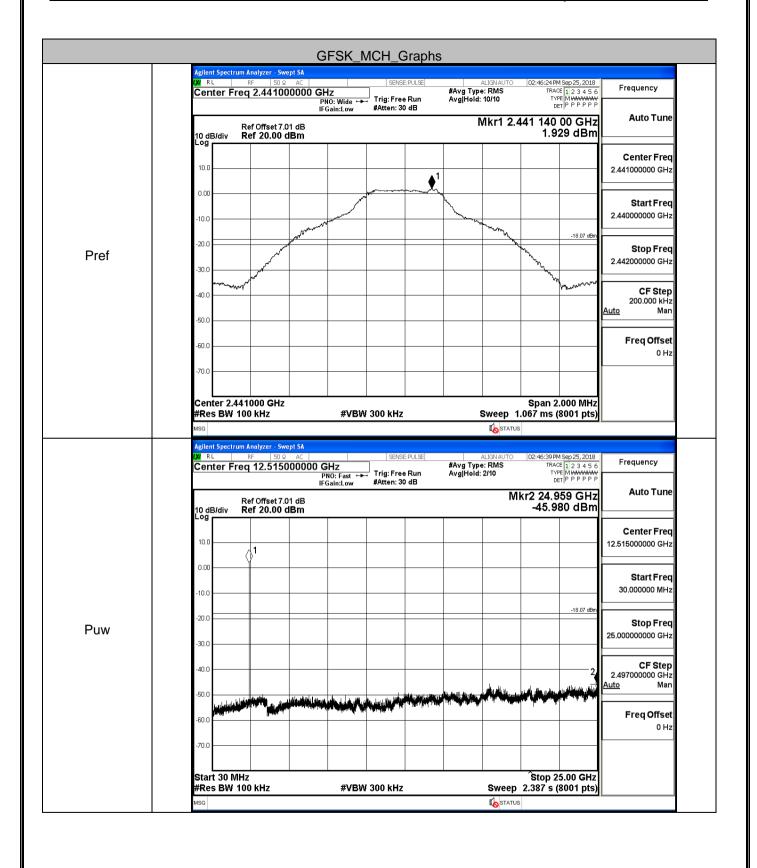
#### A.5 Dwell Time

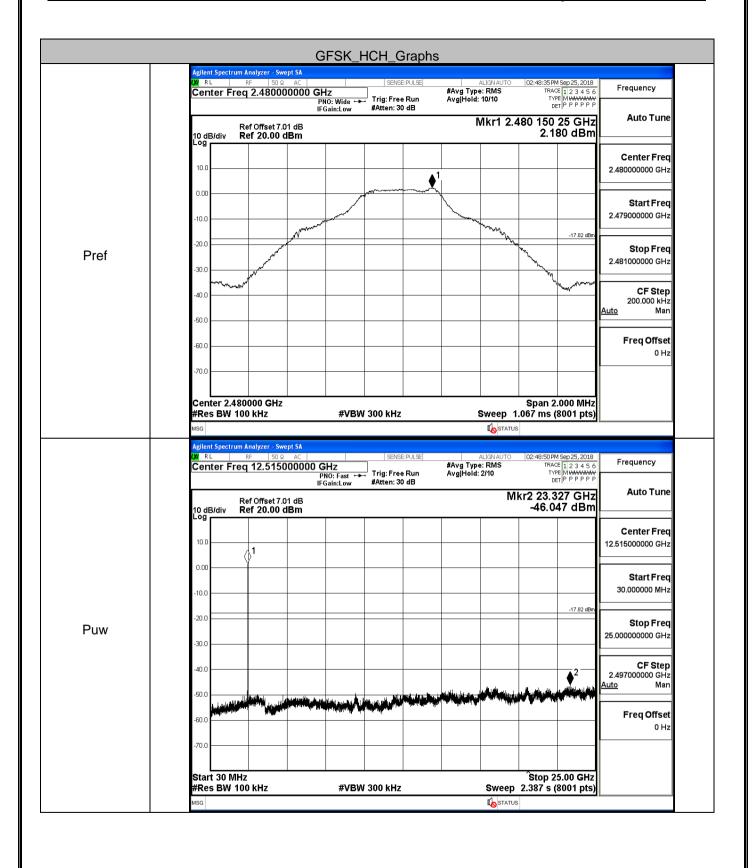
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	НСН	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
π/4DQPSK	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7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

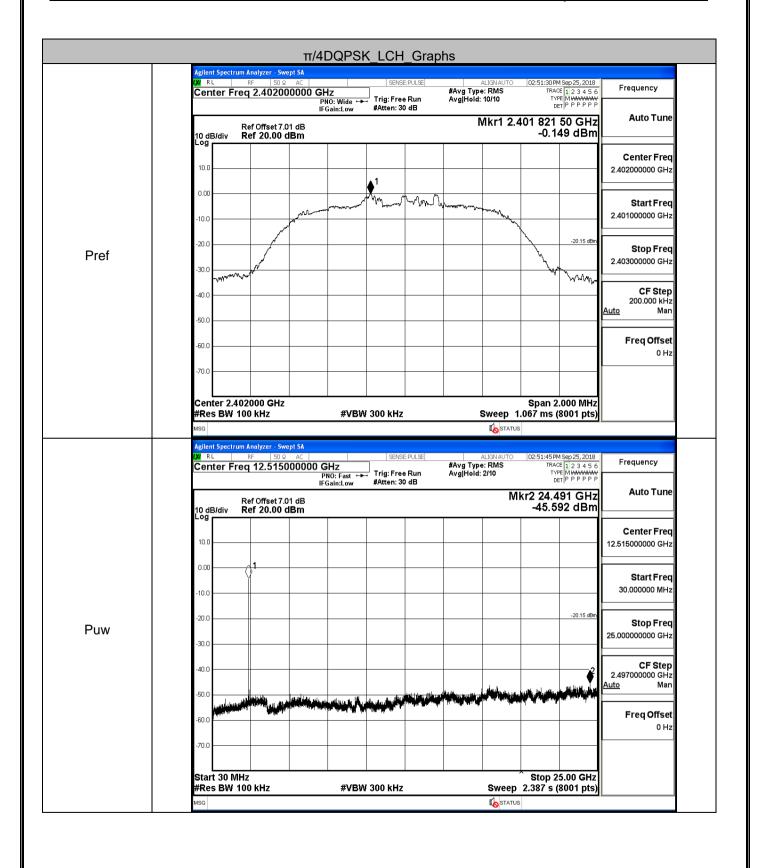


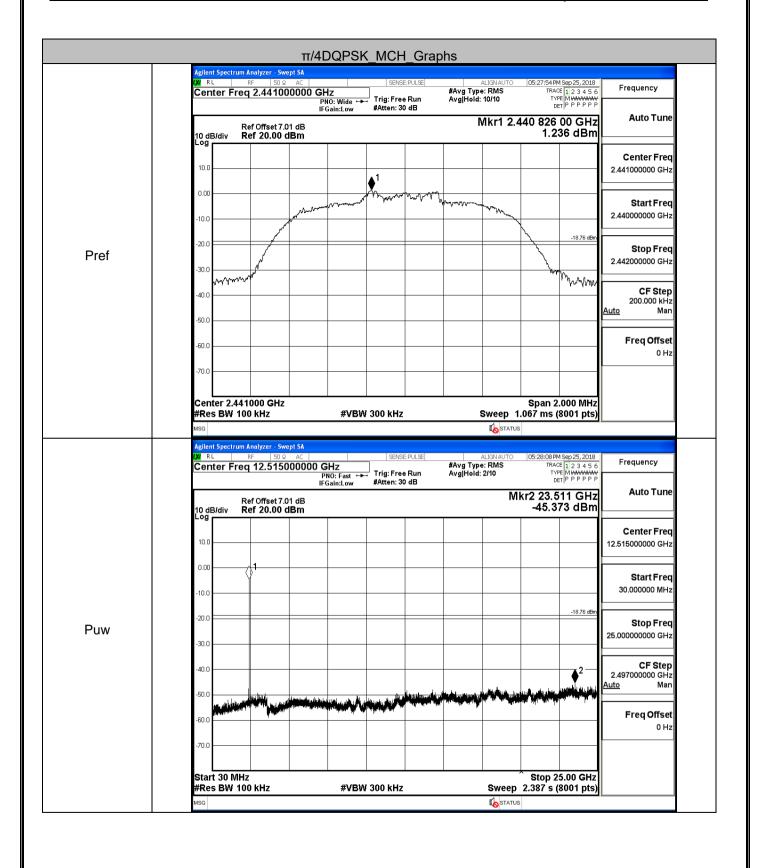
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.293	-44.893	-19.707	PASS
GFSK	MCH	1.929	-45.980	-18.071	PASS
	HCH	2.18	-46.047	-17.820	PASS
	LCH	-0.149	-45.592	-20.149	PASS
π/4DQPSK	MCH	1.236	-45.373	-18.764	PASS
	НСН	0.069	-45.958	-19.931	PASS
	LCH	-0.752	-45.514	-20.752	PASS
8DPSK	MCH	-0.004	-45.115	-20.004	PASS
	НСН	0.729	-45.445	-19.271	PASS

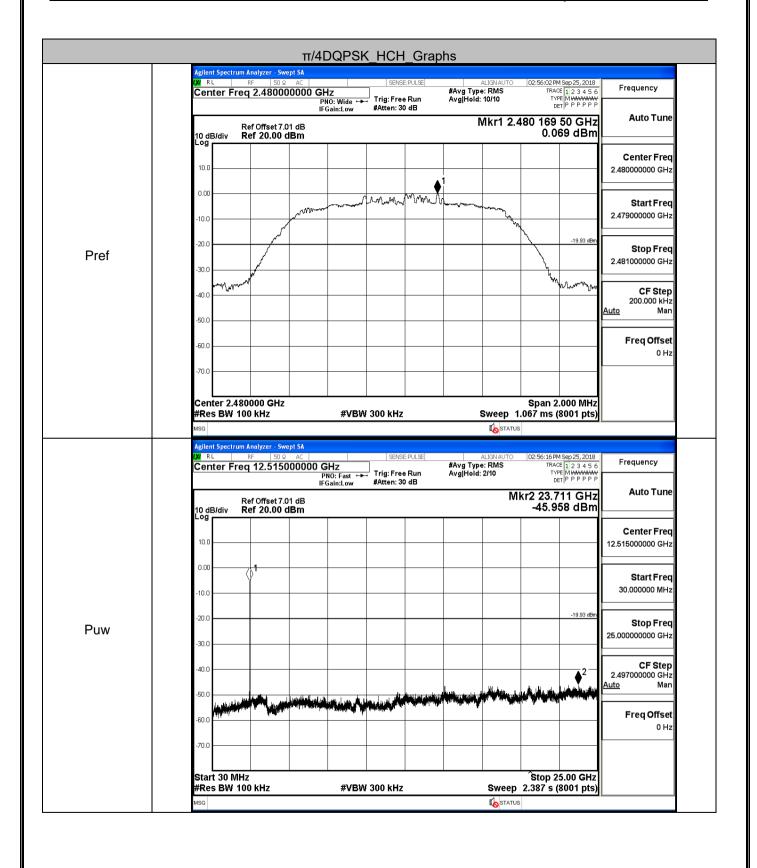


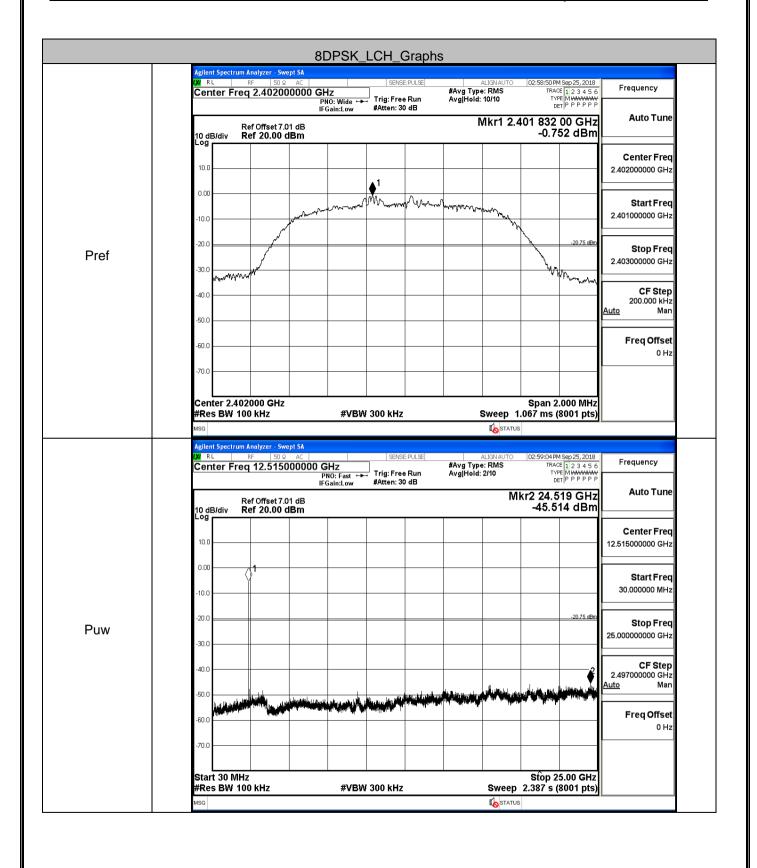


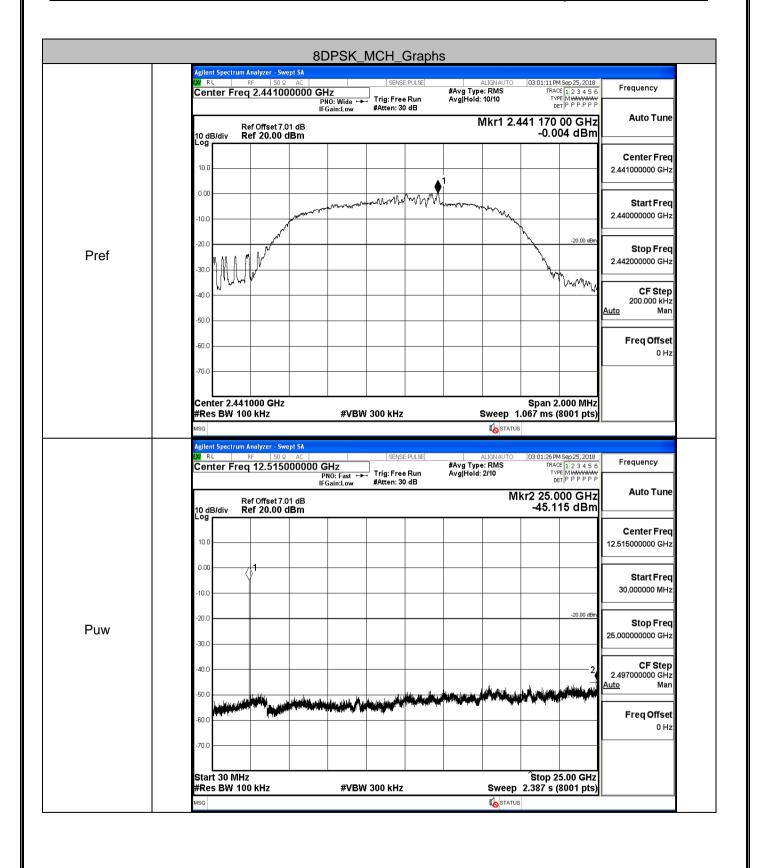


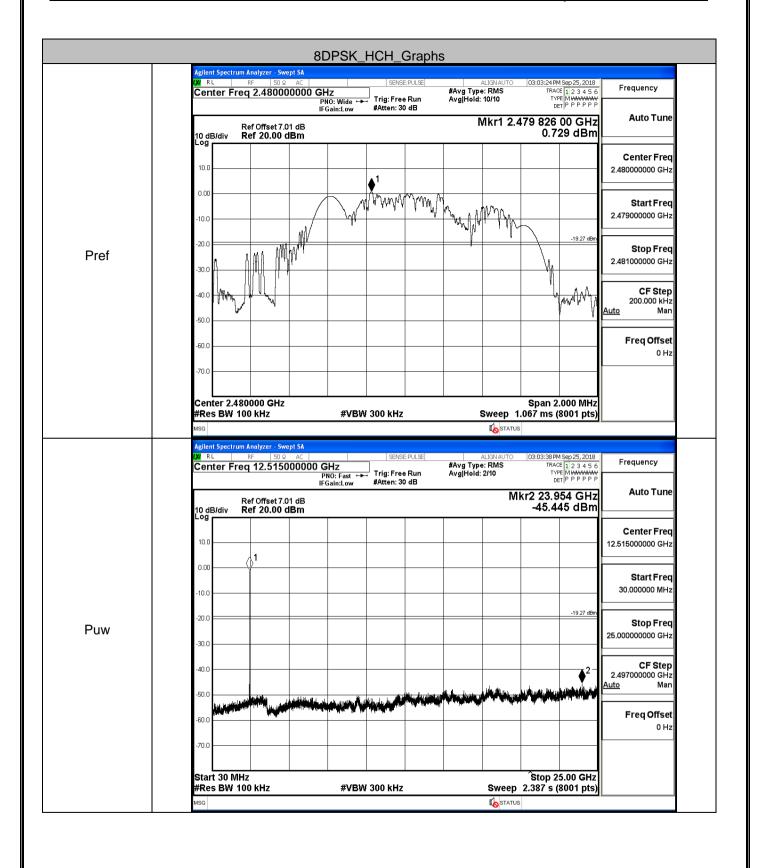






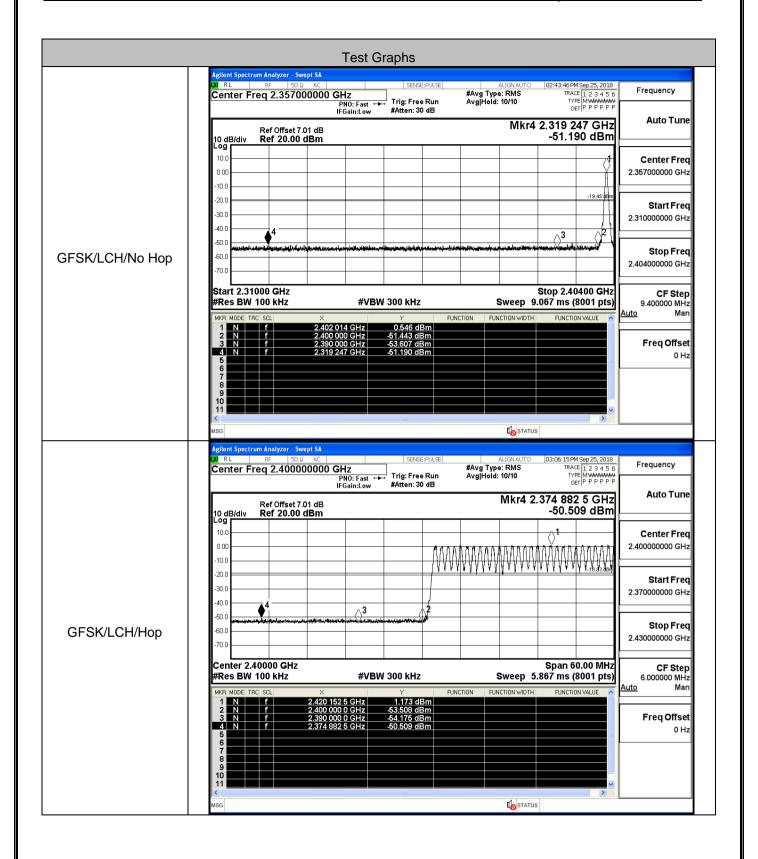






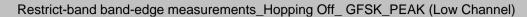
# A.7 Band-edge for RF Conducted Emissions

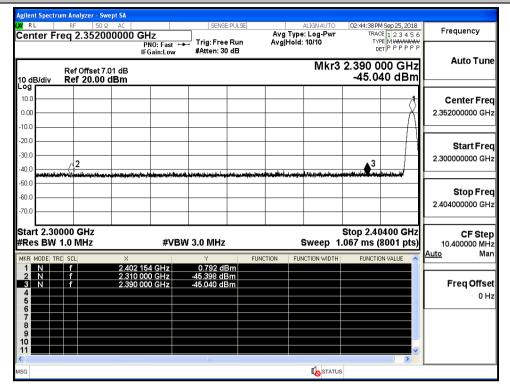
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			0.546	Off	-51.190	-19.45	PASS	
	LCH	2402	1.173	On	-50.509	-18.83	PASS	
GFSK				2.292	Off	-50.087	-17.71	PASS
	HCH	2480	2.131	On	-50.179	-17.87	PASS	
	LCH			-0.150	Off	-37.325	-20.15	PASS
		2402	0.412	On	-50.361	-19.59	PASS	
π/4DQPSK	НСН		0.748	Off	-30.423	-19.25	PASS	
		2480	1.124	On	-50.314	-18.88	PASS	
		CH 2402	-0.685	Off	-50.357	-20.69	PASS	
	LCH		0.580	On	-50.263	-19.42	PASS	
8DPSK			0.808	Off	-50.491	-19.19	PASS	
	HCH	2480	1.265	On	-50.190	-18.74	PASS	



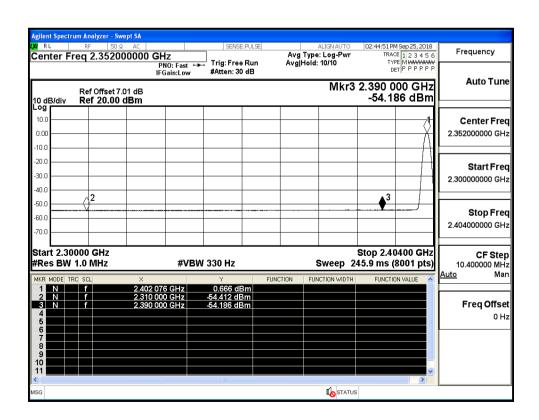
# A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-45.40	2.5	0	52.36	PEAK	74	PASS
	Off	2310.0	-54.41	2.5	0	43.35	AV	54	PASS
	Off	2390.0	-45.04	2.5	0	52.72	PEAK	74	PASS
2-21/	Off	2390.0	-54.19	2.5	0	43.57	AV	54	PASS
GFSK	Off	2483.5	-43.24	2.5	0	54.52	PEAK	74	PASS
	Off	2483.5	-53.88	2.5	0	43.88	AV	54	PASS
	Off	2500.0	-43.51	2.5	0	54.25	PEAK	74	PASS
	Off	2500.0	-53.83	2.5	0	43.93	AV	54	PASS
	Off	2310.0	-43.41	2.5	0	54.35	PEAK	74	PASS
	Off	2310.0	-54.50	2.5	0	43.26	AV	54	PASS
	Off	2390.0	-43.44	2.5	0	54.32	PEAK	74	PASS
	Off	2390.0	-54.25	2.5	0	43.51	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.26	2.5	0	54.5	PEAK	74	PASS
	Off	2483.5	-53.72	2.5	0	44.04	AV	54	PASS
	Off	2500.0	-41.80	2.5	0	55.96	PEAK	74	PASS
	Off	2500.0	-53.79	2.5	0	43.97	AV	54	PASS
	Off	2310.0	-43.24	2.5	0	54.52	PEAK	74	PASS
	Off	2310.0	-54.41	2.5	0	43.35	AV	54	PASS
	Off	2390.0	-44.23	2.5	0	53.53	PEAK	74	PASS
	Off	2390.0	-54.17	2.5	0	43.59	AV	54	PASS
8DPSK	Off	2483.5	-43.05	2.5	0	54.71	PEAK	74	PASS
	Off	2483.5	-53.89	2.5	0	43.87	AV	54	PASS
	Off	2500.0	-42.64	2.5	0	55.12	PEAK	74	PASS
	Off	2500.0	-53.81	2.5	0	43.95	AV	54	PASS

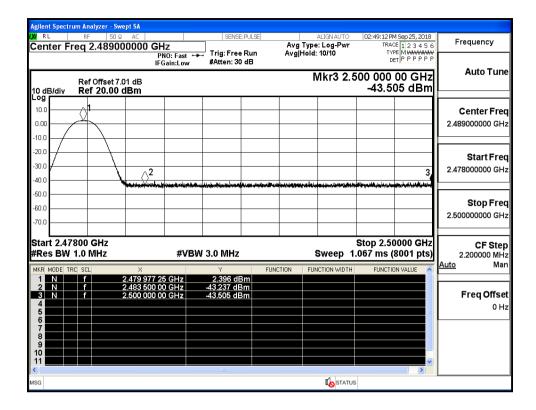




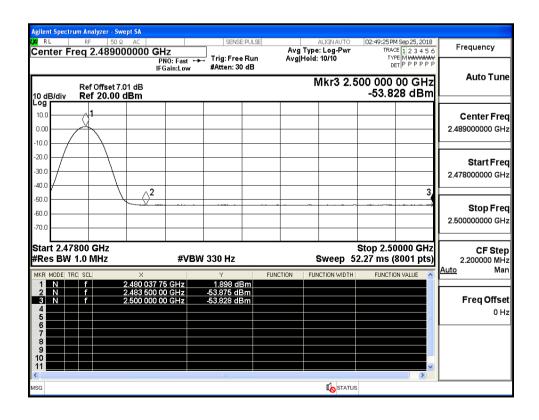
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (Low Channel)



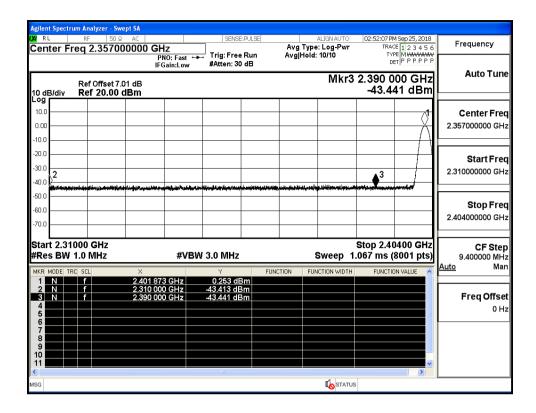
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK (High Channel)



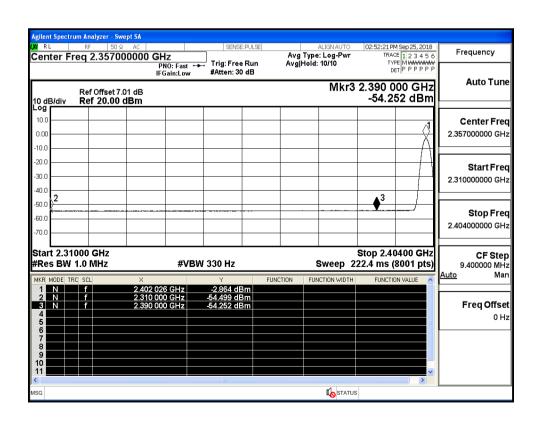
#### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average (High Channel)



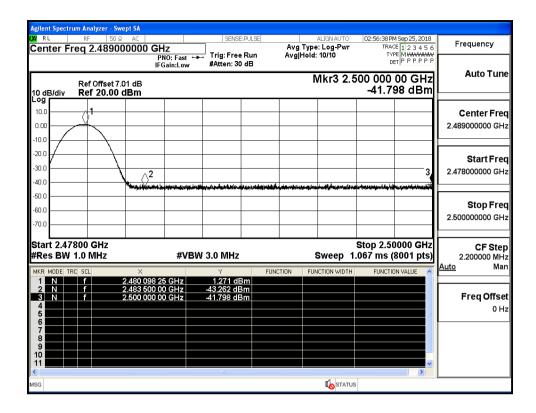
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (Low Channel)



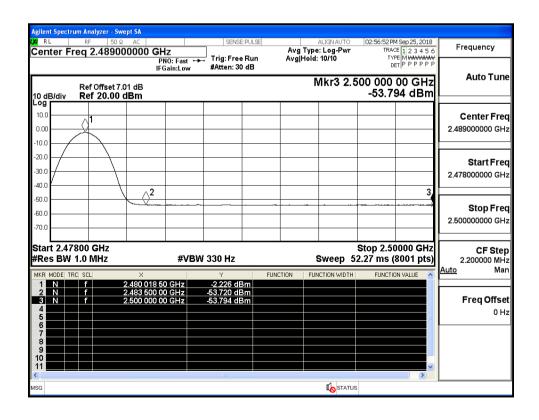
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (Low Channel)



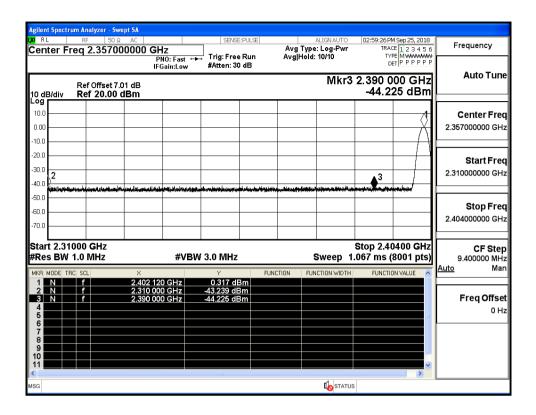
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_PEAK (High Channel)



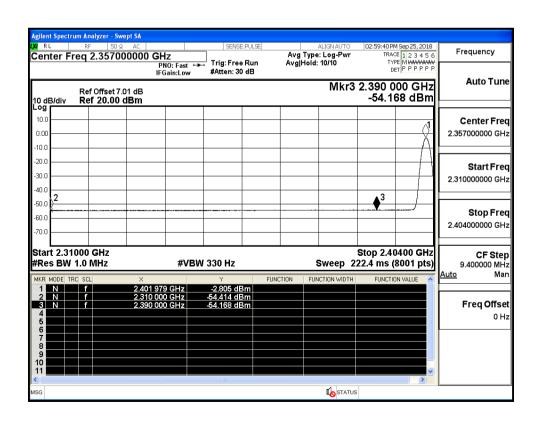
#### Restrict-band band-edge measurements\_Hopping Off\_π/4-DQPSK\_Average (High Channel)



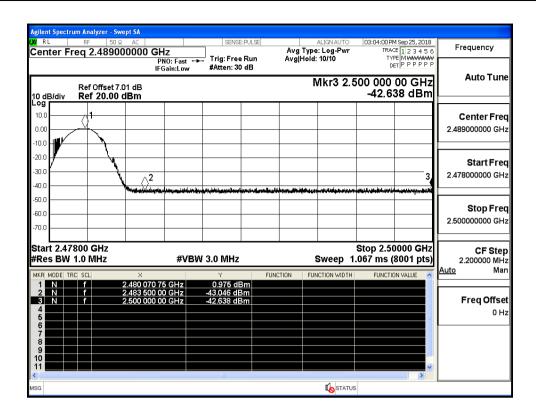
#### Restrict-band band-edge measurements\_Hopping Off\_8DPSK\_PEAK (Low Channel)



## 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)

