Appendix A

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

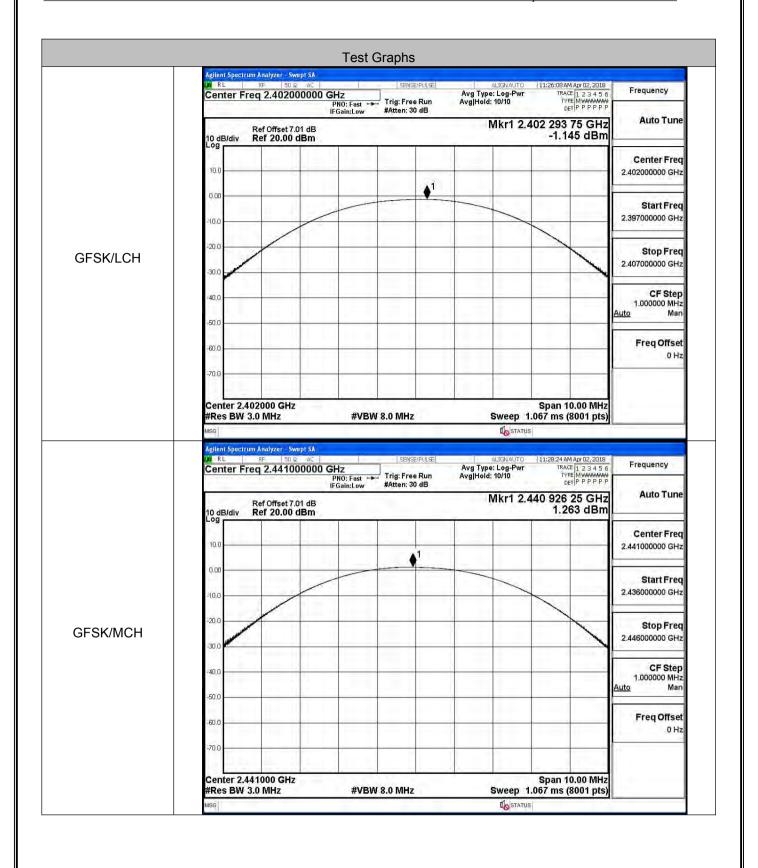
Product Name: Bluetooth Sport Headset Trade Mark: AWEI **Test Model: N1**

Environmental Conditions

Temperature:		22.3 ° C				
Relative Humidity:		52.3%				
ATM Pressure:		100.0 kPa				
Test Engineer:		Jayden.Zhuo				
	Supervised by:	Dick.Su				

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-1.145	30	PASS
GFSK	MCH	1.263	30	PASS
	нсн	1.784	30	PASS
	LCH	-3.397	21	PASS
π/4DQPSK	MCH	-0.599	21	PASS
	НСН	0.095	21	PASS
	LCH	-3.128	21	PASS
8DPSK	MCH	-0.235	21	PASS
	НСН	0.479	21	PASS



#VBW 8.0 MHz

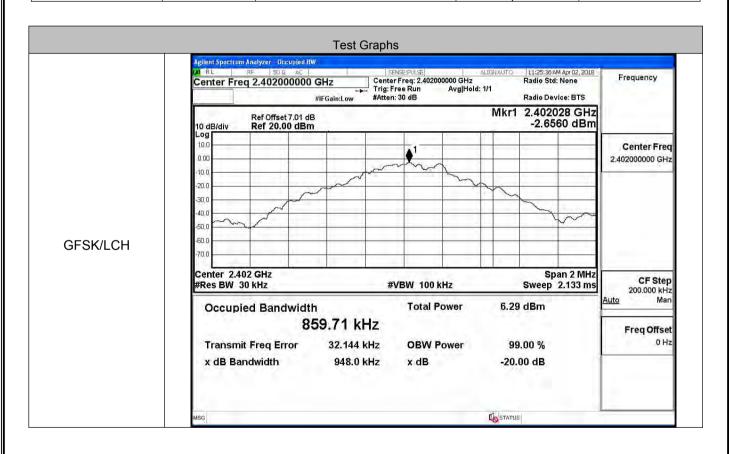
Span 10.00 MHz Sweep 1.067 ms (8001 pts)

STATUS

Center 2.480000 GHz #Res BW 3.0 MHz

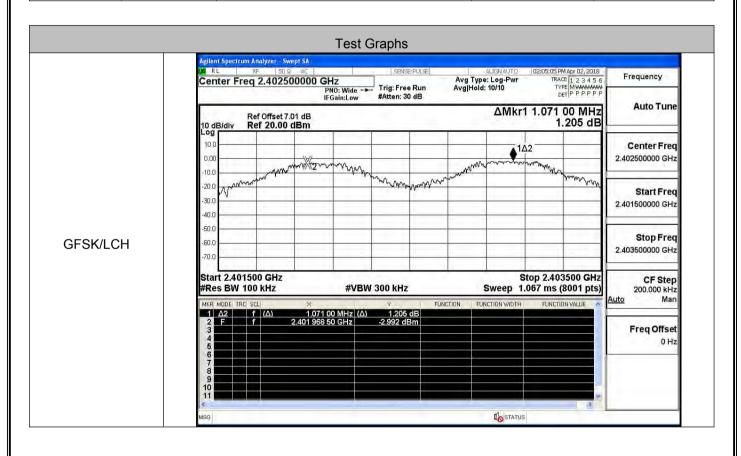
A.2 20dB Bandwidth

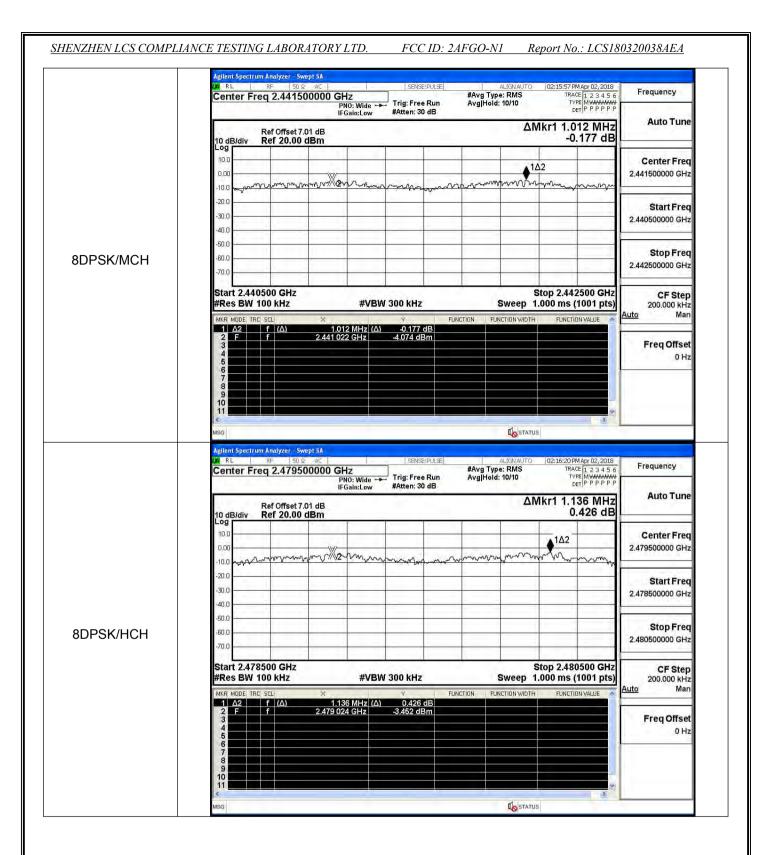
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9480	Not Specified	PASS
GFSK	MCH	0.9446	Not Specified	PASS
	НСН	0.9449	Not Specified	PASS
	LCH	1.258	Not Specified	PASS
π/4DQPSK	MCH	1.229	Not Specified	PASS
	HCH	1.227	Not Specified	PASS
	LCH	1.275	Not Specified	PASS
8DPSK	MCH	1.261	Not Specified	PASS
	HCH	1.260	Not Specified	PASS



A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.071	0.632	PASS
GFSK	MCH	1.058	0.629	PASS
	HCH	0.954	0.629	PASS
	LCH	1.036	0.838	PASS
π/4DQPSK	MCH	0.900	0.819	PASS
	HCH	1.004	0.818	PASS
	LCH	1.010	0.85	PASS
8DPSK	MCH	1.012	0.84	PASS
	HCH	1.136	0.84	PASS



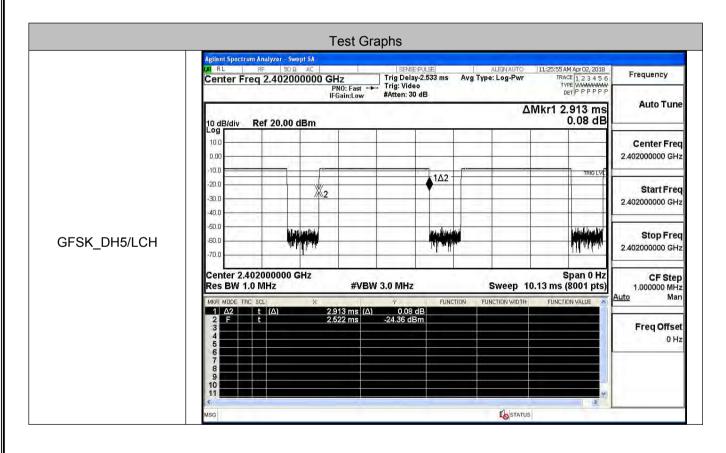


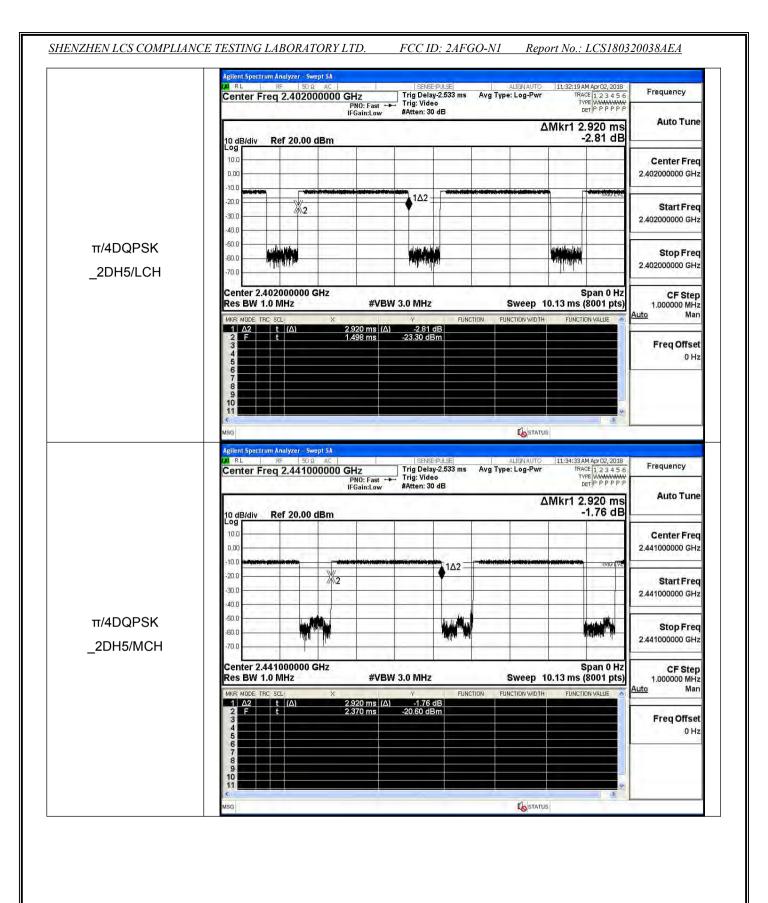
A.4 Hopping Channel Number

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

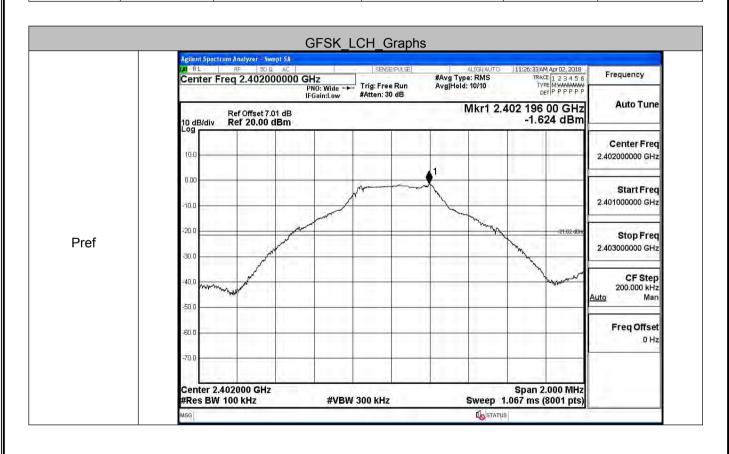
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.91	106.7	0.31	0.4	PASS
GFSK	DH5	MCH	2.91	106.7	0.31	0.4	PASS
	DH5	HCH	2.91	106.7	0.31	0.4	PASS
	2DH5	LCH	2.91	106.7	0.312	0.4	PASS
π/4DQPSK	2DH5	MCH	2.91	106.7	0.312	0.4	PASS
	2DH5	HCH	2.91	106.7	0.312	0.4	PASS
	3DH5	LCH	2.91	106.7	0.312	0.4	PASS
8DPSK	3DH5	MCH	2.91	106.7	0.312	0.4	PASS
	3DH5	HCH	2.91	106.7	0.312	0.4	PASS



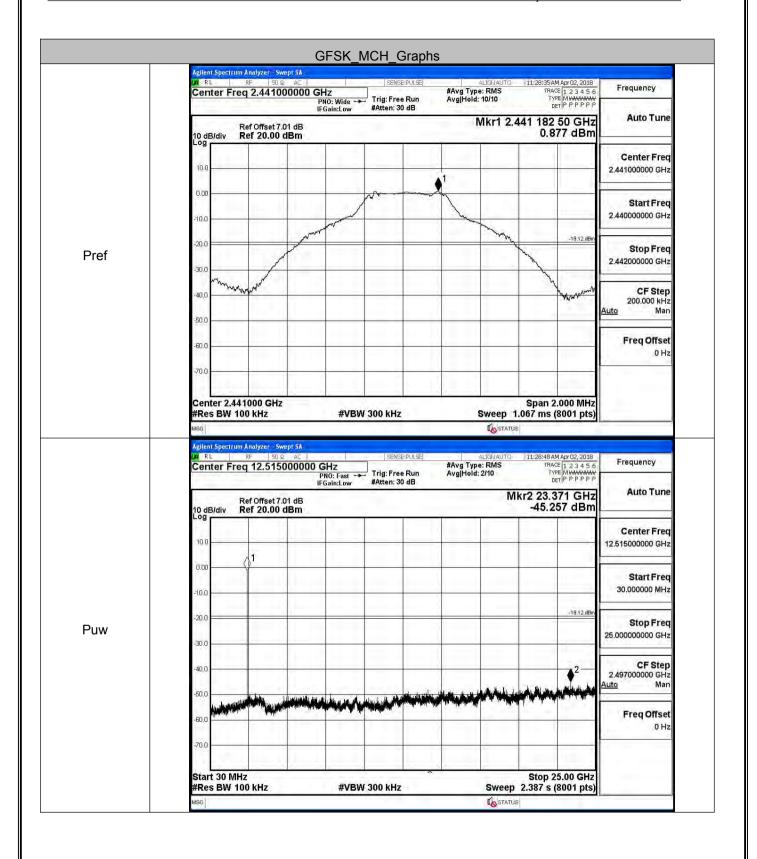


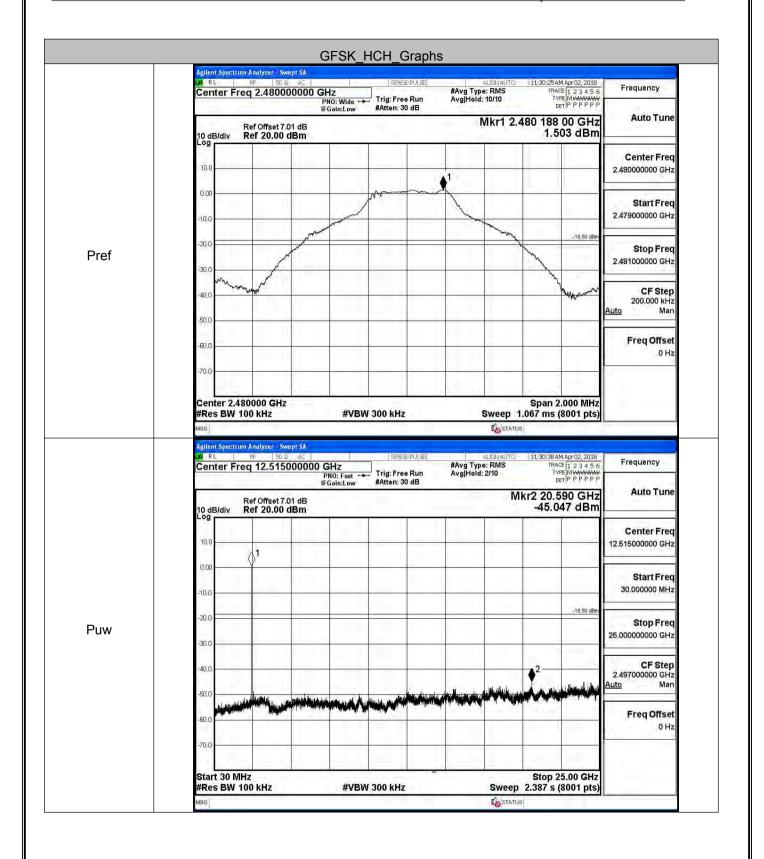
A.6 RF Conducted Spurious Emissions

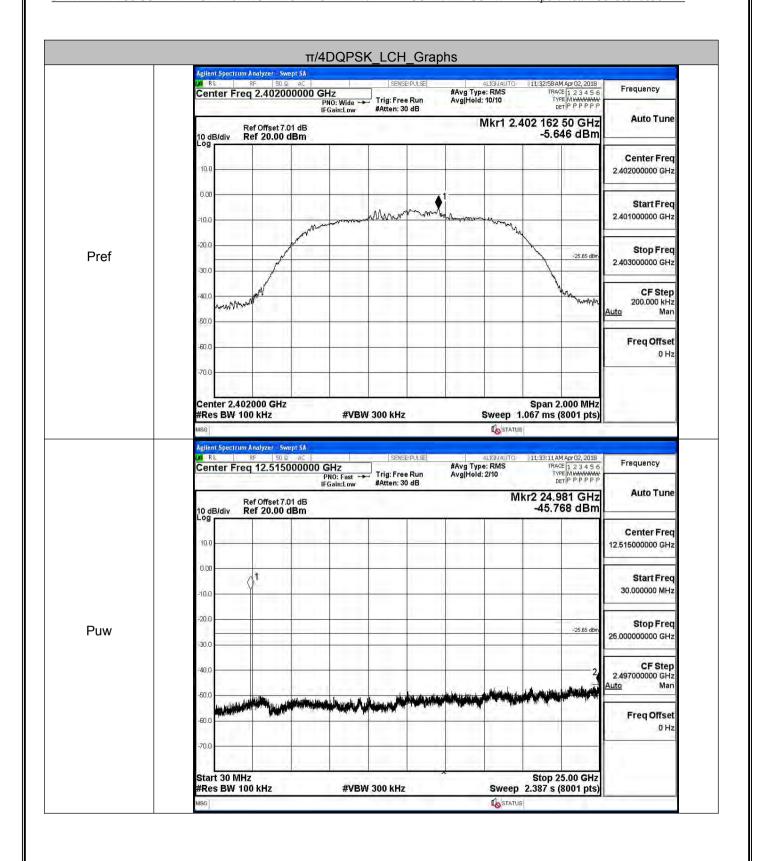
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.624	-45.893	-21.624	PASS
GFSK	MCH	0.877	-45.257	-19.123	PASS
	HCH	1.503	-45.047	-18.497	PASS
	LCH	-5.646	-45.768	-25.646	PASS
π/4DQPSK	MCH	-2.182	-45.341	-22.182	PASS
	HCH	-1.685	-45.152	-21.685	PASS
	LCH	-4.933	-44.968	-24.933	PASS
8DPSK	MCH	-2.304	-45.213	-22.304	PASS
	HCH	-1.448	-45.171	-21.448	PASS

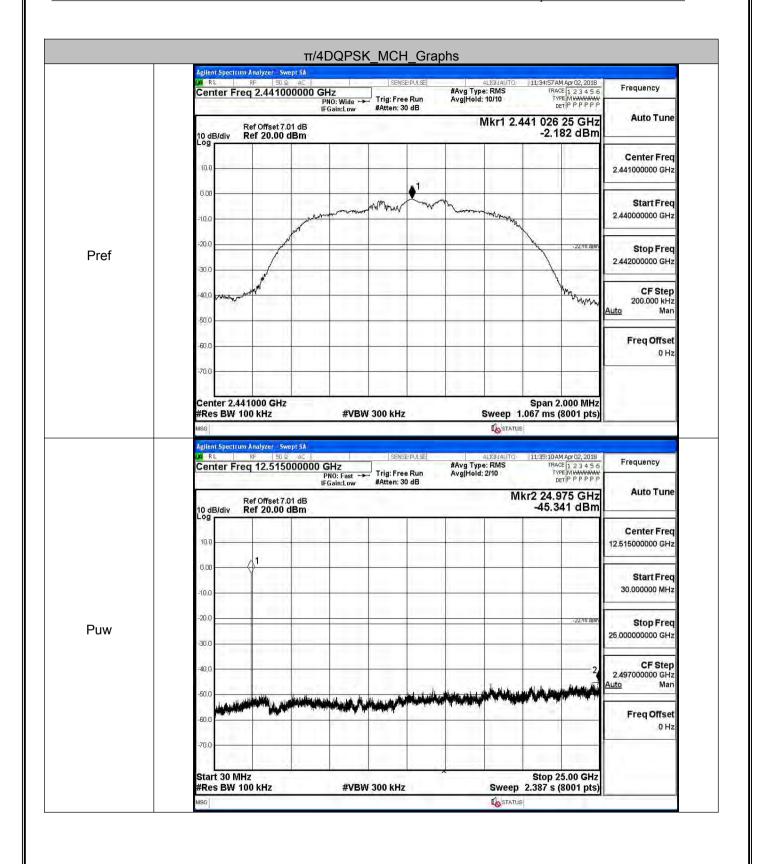


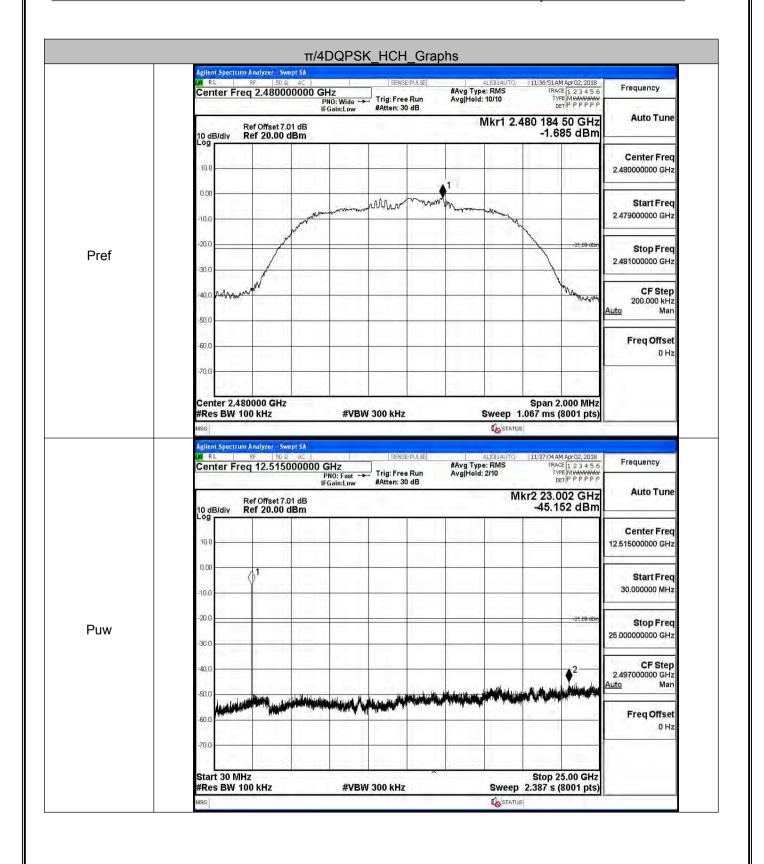
STATUS

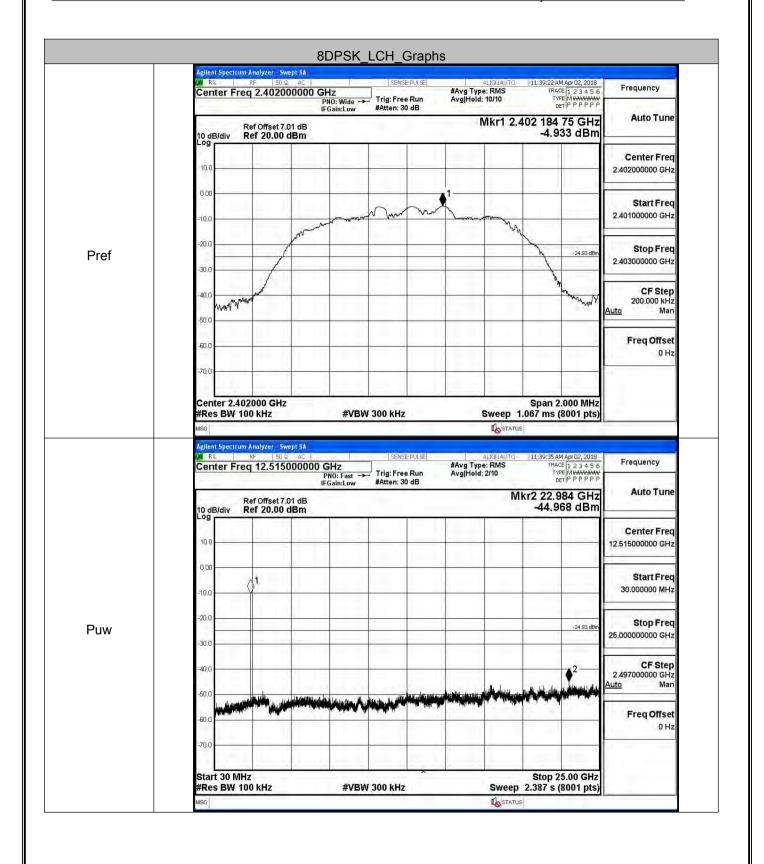


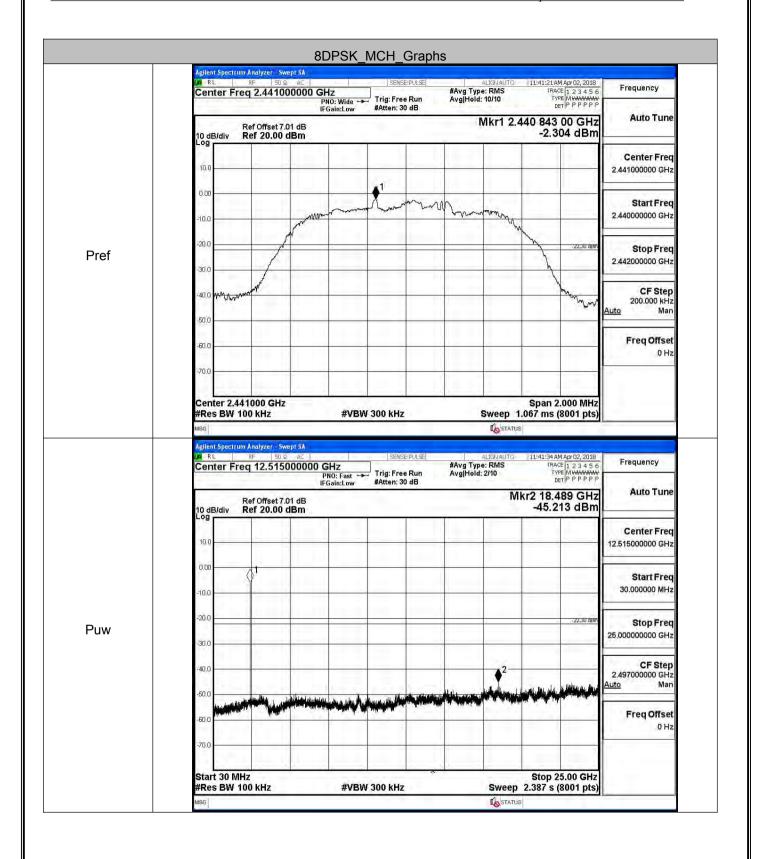


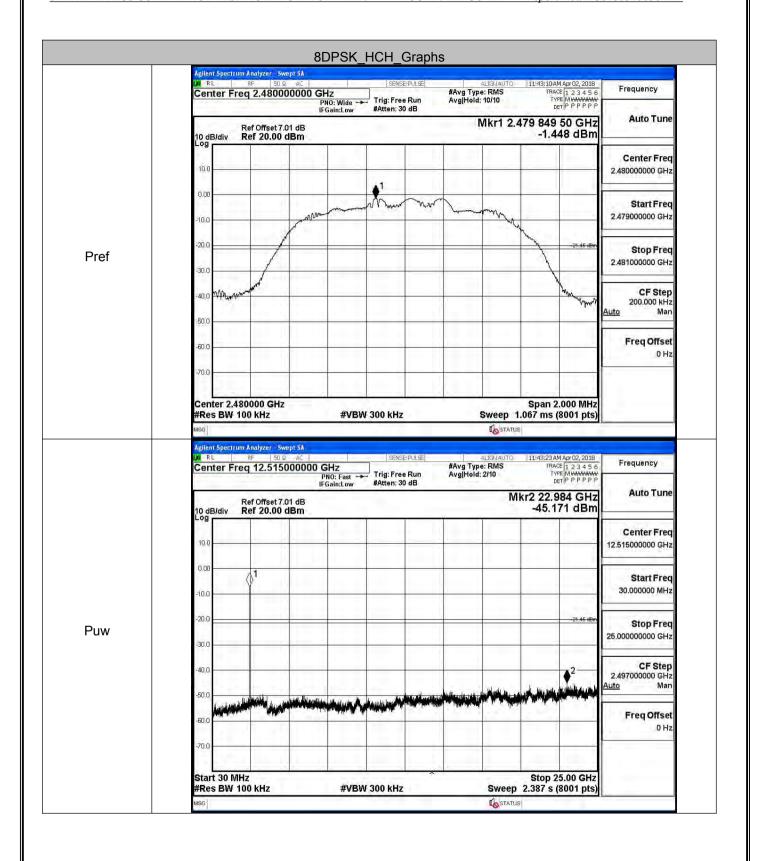






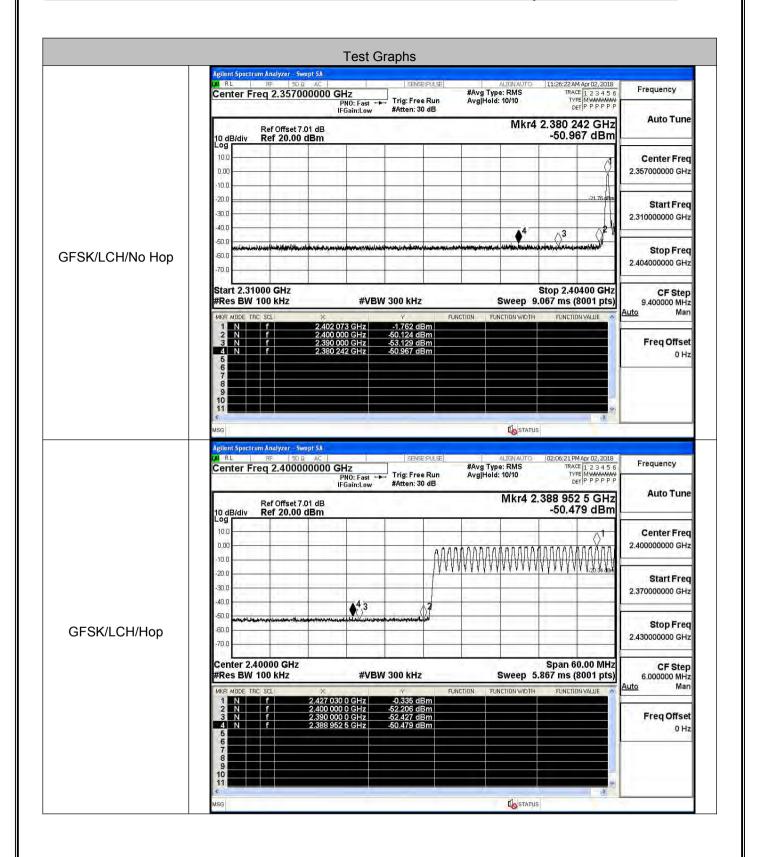






A.7 Band-edge for RF Conducted Emissions

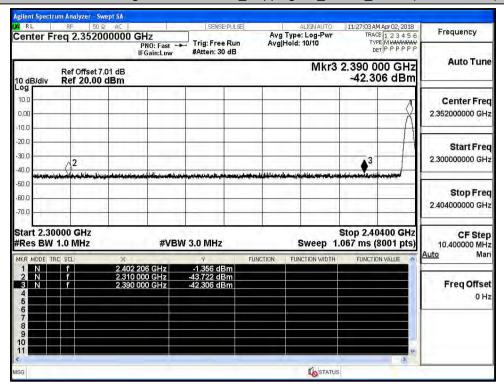
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-1.762	Off	-50.967	-21.76	PASS
	LCH	2402	-0.335	On	-50.479	-20.34	PASS
GFSK		2480	1.486	Off	-50.738	-18.51	PASS
	HCH		0.632	On	-49.794	-19.37	PASS
		2402	-4.988	Off	-50.823	-24.99	PASS
	LCH		-3.769	On	-50.018	-23.77	PASS
π/4DQPSK		HCH 2480	-1.692	Off	-51.288	-21.69	PASS
	HCH		-2.268	On	-49.750	-22.27	PASS
			-4.925	Off	-50.825	-24.93	PASS
	LCH	2402	-3.523	On	-50.644	-23.52	PASS
8DPSK	HCH 2480	-1.415	Off	-50.473	-21.42	PASS	
		2480	-2.056	On	-50.686	-22.06	PASS



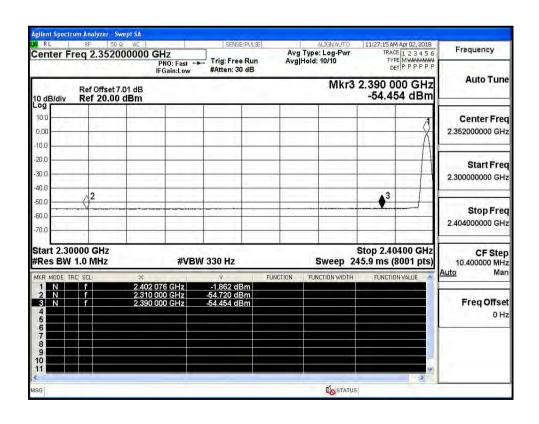
A.8 Restrict-band band-edge measurements

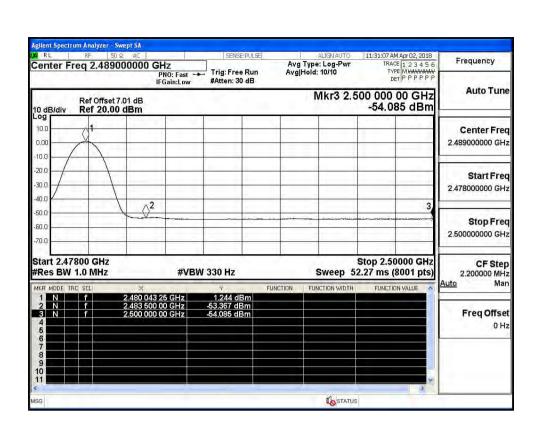
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.72	2.0	0	53.54	PEAK	74	PASS
	Off	2310.0	-54.72	2.0	0	42.54	AV	54	PASS
	Off	2390.0	-42.31	2.0	0	54.95	PEAK	74	PASS
	Off	2390.0	-54.45	2.0	0	42.81	AV	54	PASS
	Off	2483.5	-43.34	2.0	0	53.92	PEAK	74	PASS
	Off	2483.5	-53.37	2.0	0	43.89	AV	54	PASS
	Off	2500.0	-43.98	2.0	0	53.28	PEAK	74	PASS
	Off	2500.0	-54.09	2.0	0	43.17	AV	54	PASS
π/4DQPSK	Off	2310.0	-44.16	2.0	0	53.1	PEAK	74	PASS
	Off	2310.0	-54.86	2.0	0	42.4	AV	54	PASS
	Off	2390.0	-45.42	2.0	0	51.84	PEAK	74	PASS
	Off	2390.0	-54.44	2.0	0	42.82	AV	54	PASS
	Off	2483.5	-42.63	2.0	0	54.63	PEAK	74	PASS
	Off	2483.5	-53.69	2.0	0	43.57	AV	54	PASS
	Off	2500.0	-43.11	2.0	0	54.15	PEAK	74	PASS
	Off	2500.0	-54.03	2.0	0	43.23	AV	54	PASS
8DPSK	Off	2310.0	-44.53	2.0	0	52.73	PEAK	74	PASS
	Off	2310.0	-54.71	2.0	0	42.55	AV	54	PASS
	Off	2390.0	-44.01	2.0	0	53.25	PEAK	74	PASS
	Off	2390.0	-54.47	2.0	0	42.79	AV	54	PASS
	Off	2483.5	-43.01	2.0	0	54.25	PEAK	74	PASS
	Off	2483.5	-53.73	2.0	0	43.53	AV	54	PASS
	Off	2500.0	-42.90	2.0	0	54.36	PEAK	74	PASS
	Off	2500.0	-54.10	2.0	0	43.16	AV	54	PASS

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

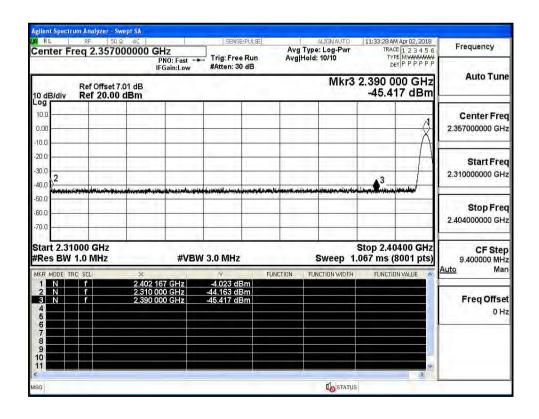


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

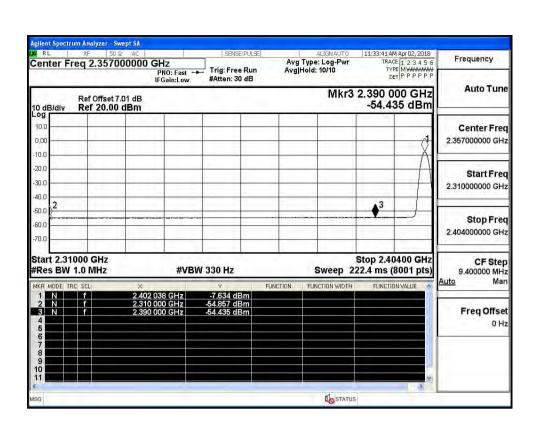




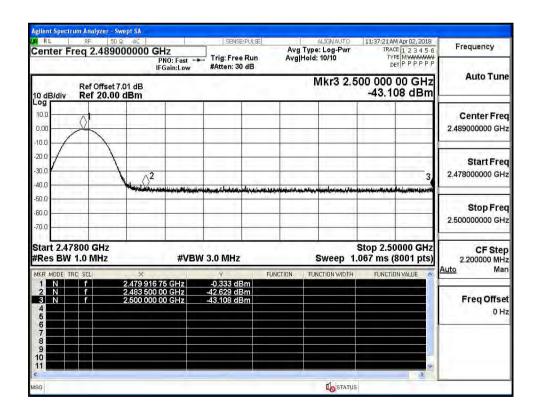
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



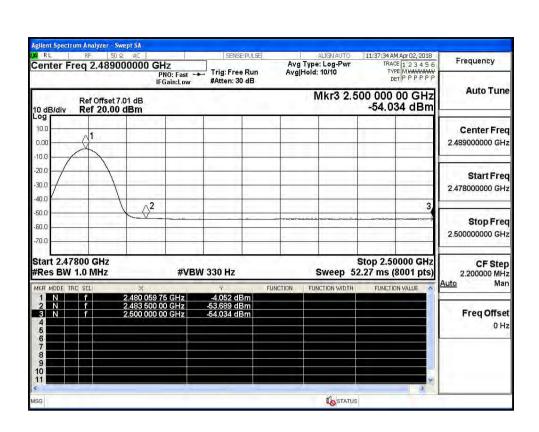
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



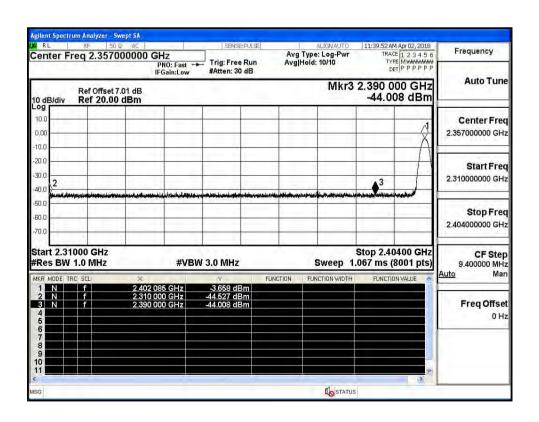
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



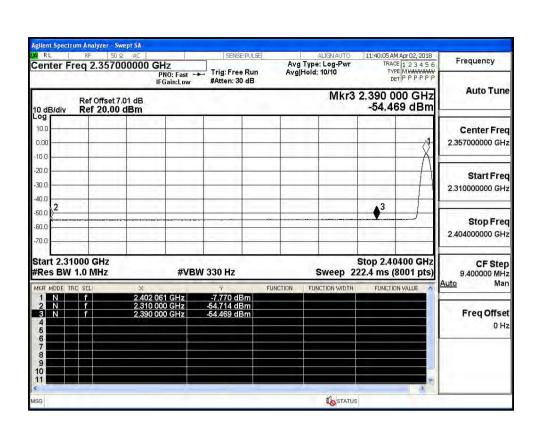
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



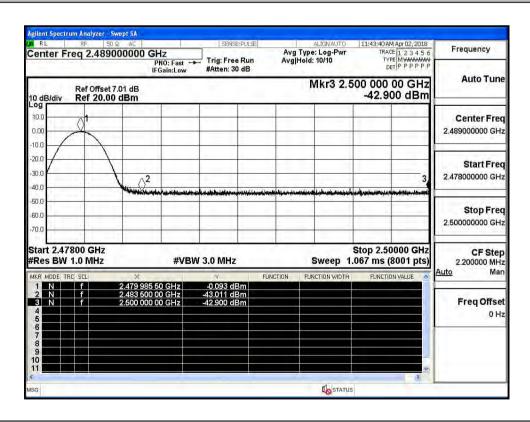
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

