Appendix A

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

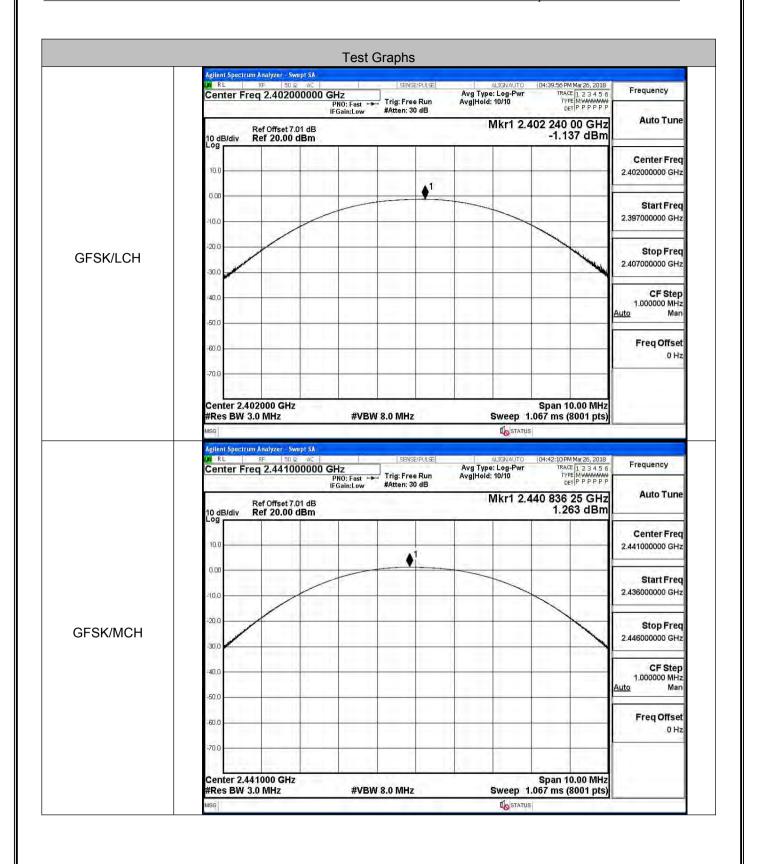
Product Name: Bluetooth Sport Headset
Trade Mark: AWEI
Test Model: N3

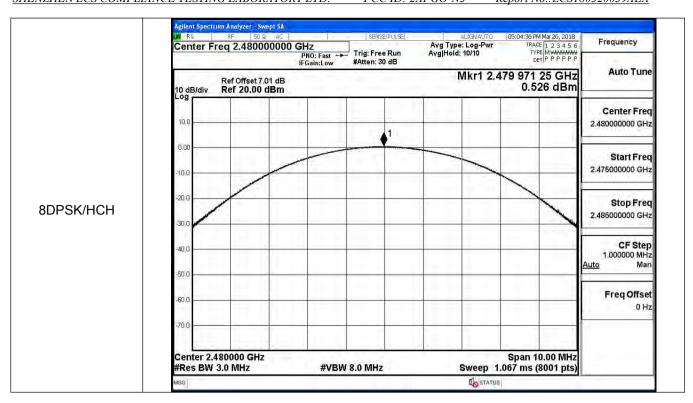
Environmental Conditions

Temperature:		20.8 ° C				
Relative Humidity:		50.6%				
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	-1.137	30	PASS
GFSK	MCH	1.263	30	PASS
	НСН	1.799	30	PASS
	LCH	-3.403	21	PASS
π/4DQPSK	MCH	-0.543	21	PASS
	НСН	0.131	21	PASS
	LCH	-3.058	21	PASS
8DPSK	MCH	-0.158	21	PASS
	НСН	0.526	21	PASS

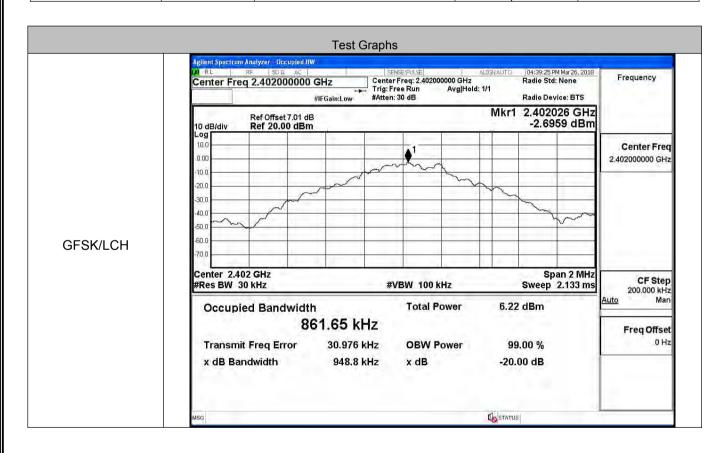




A.2 20dB Bandwidth

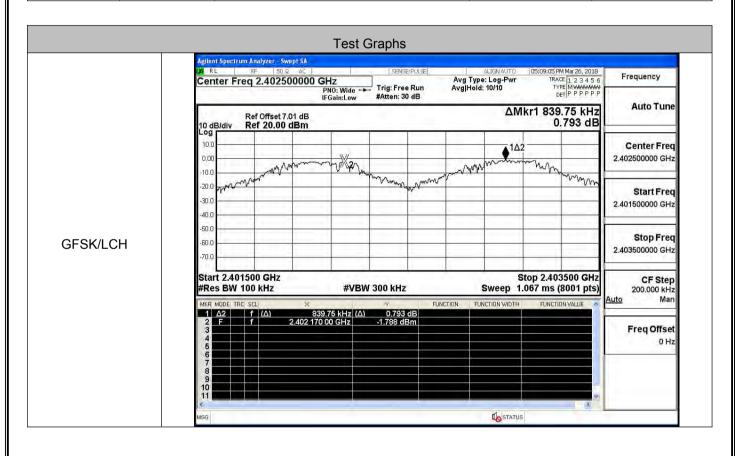
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

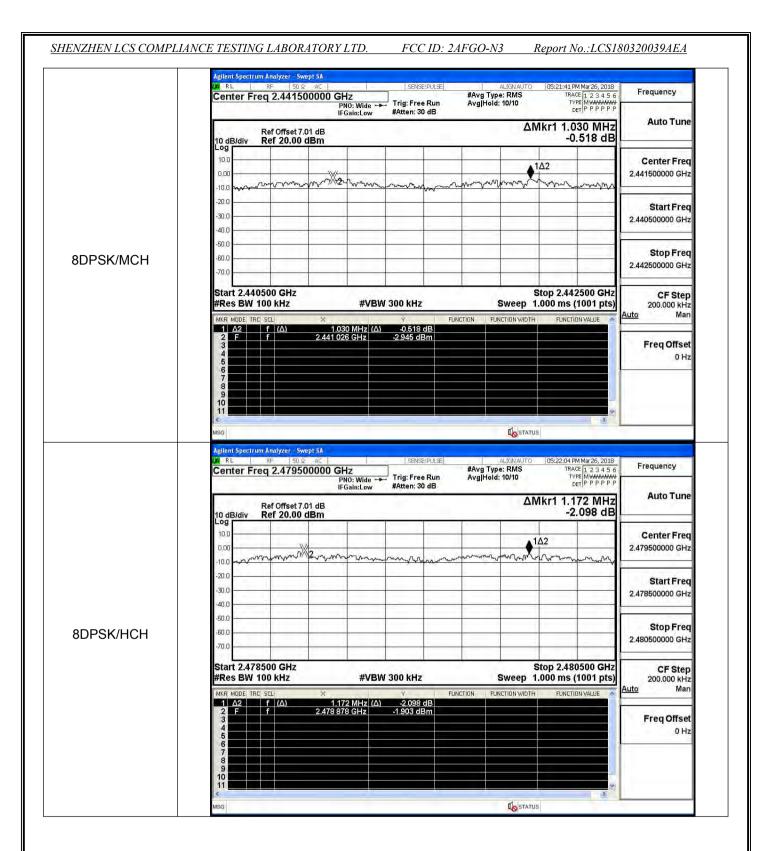
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9488	Not Specified	PASS
GFSK	МСН	0.9451	Not Specified	PASS
	HCH	0.9450	Not Specified	PASS
	LCH	1.259	Not Specified	PASS
π/4DQPSK	MCH	1.230	Not Specified	PASS
	HCH	1.229	Not Specified	PASS
	LCH	1.275	Not Specified	PASS
8DPSK	MCH	1.258	Not Specified	PASS
	НСН	1.259	Not Specified	PASS



A.3 Carrier Frequency Separation

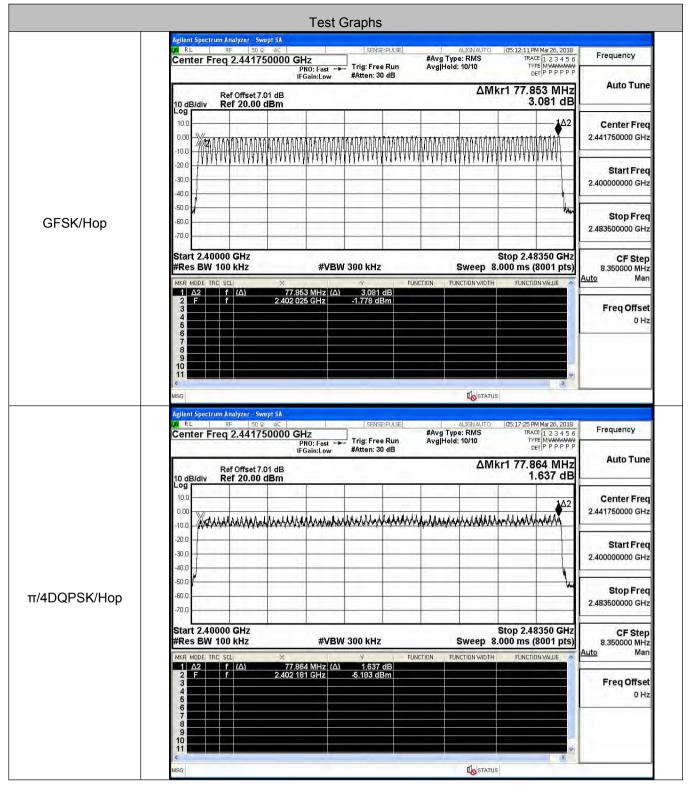
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.840	0.9488	PASS
GFSK	MCH	1.028	0.630	PASS
	HCH	1.174	0.630	PASS
	LCH	0.960	1.259	PASS
π/4DQPSK	MCH	0.990	1.230	PASS
	HCH	1.004	0.819	PASS
	LCH	1.000	0.85	PASS
8DPSK	MCH	1.030	0.838	PASS
	НСН	1.172	0.839	PASS





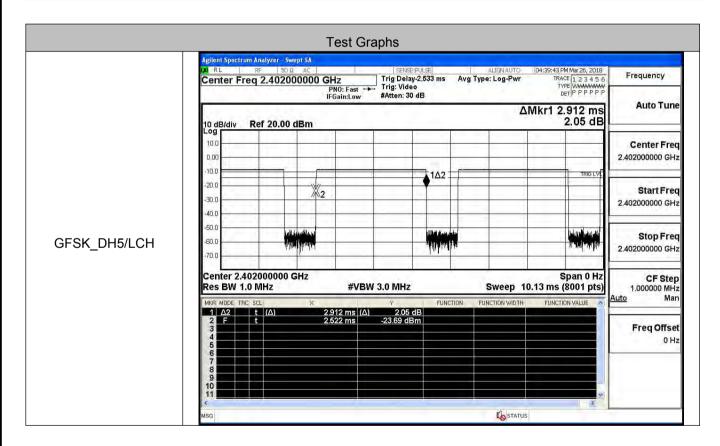
A.4 Hopping Channel Number

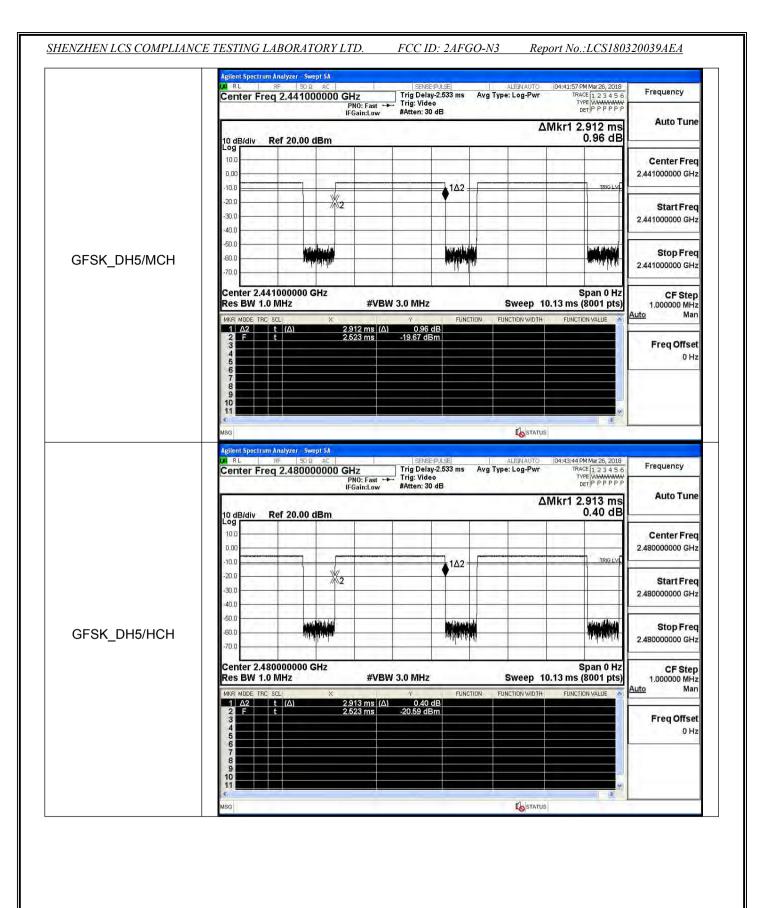
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS
8DPSK	Нор	79	>=15	PASS

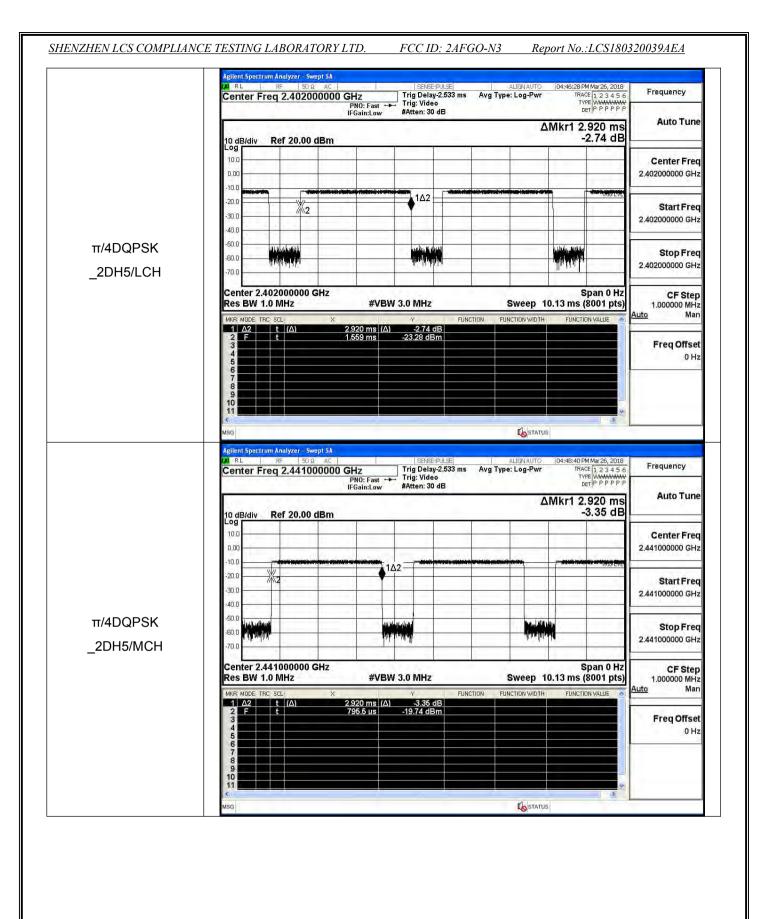


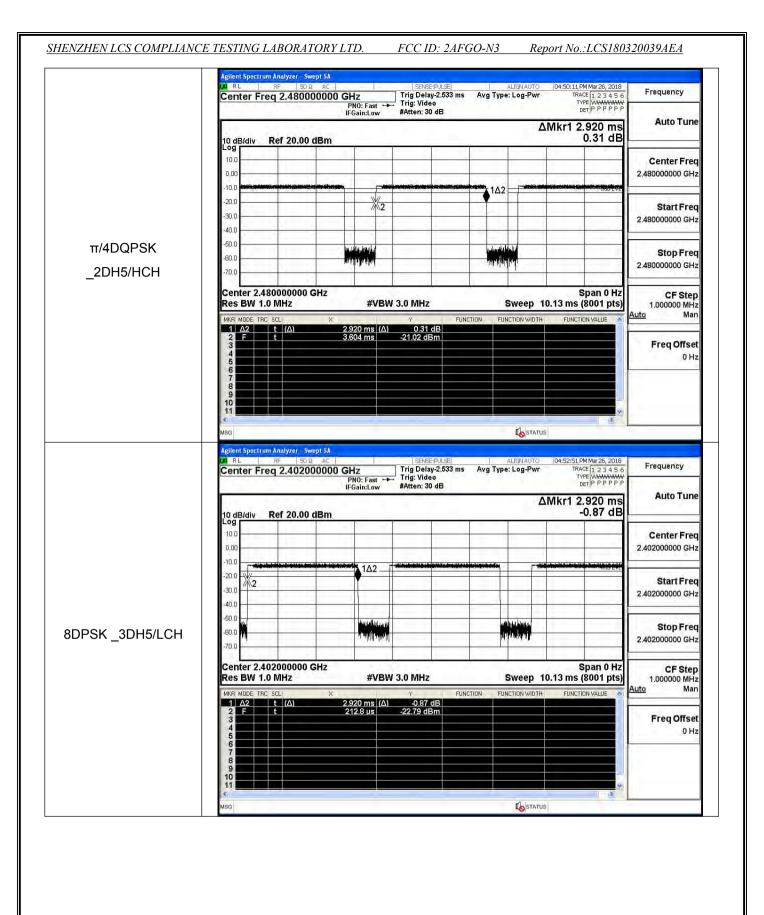
A.5 Dwell Time

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	НСН	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	НСН	2.91	106.7	0.312	0.4	PASS



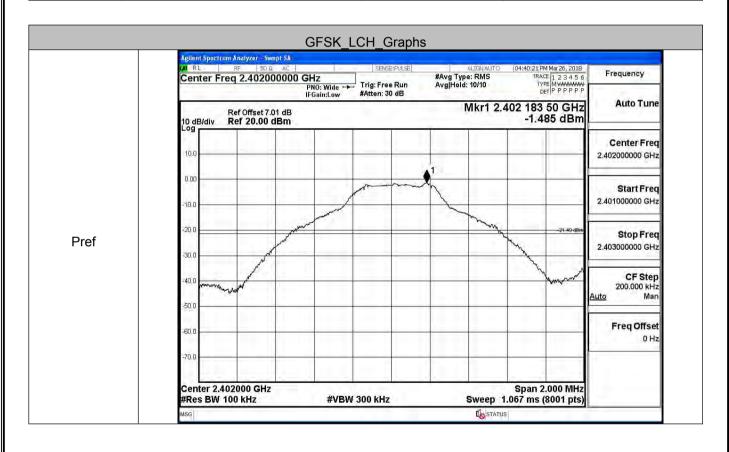






A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.485	-45.806	-21.485	PASS
GFSK	MCH	0.813	-45.211	-19.187	PASS
	HCH	1.497	-45.683	-18.503	PASS
	LCH	-5.076	-45.700	-25.076	PASS
π/4DQPSK	MCH	-2.265	-45.615	-22.265	PASS
	HCH	-1.472	-45.084	-21.472	PASS
	LCH	-4.888	-45.304	-24.888	PASS
8DPSK	MCH	-2.031	-45.184	-22.031	PASS
	HCH	-1.311	-45.979	-21.311	PASS



#VBW 300 kHz

-50.0

-60.0

70.0

Start 30 MHz #Res BW 100 kHz

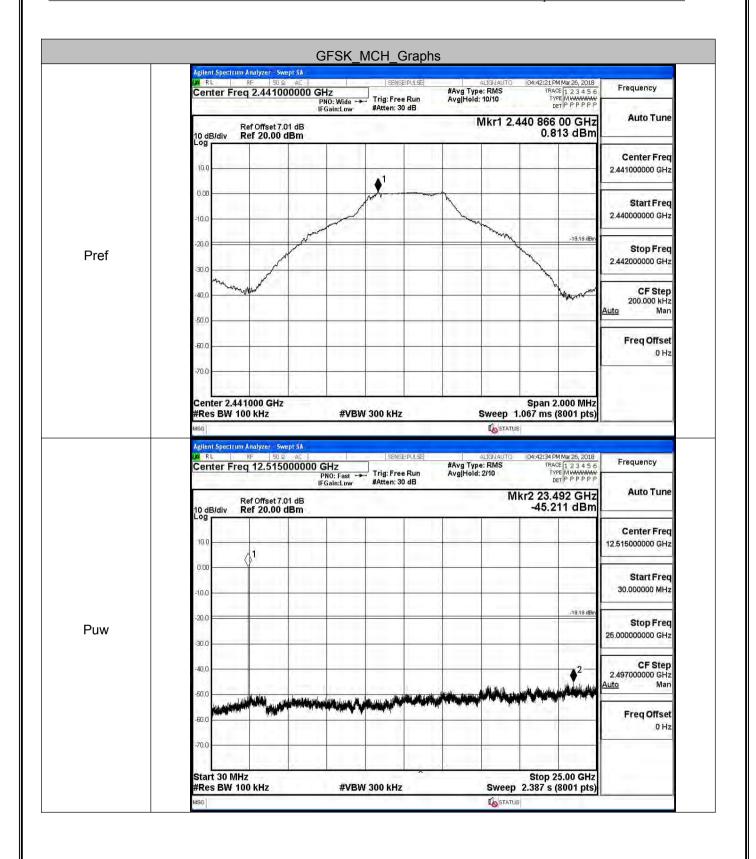
Auto

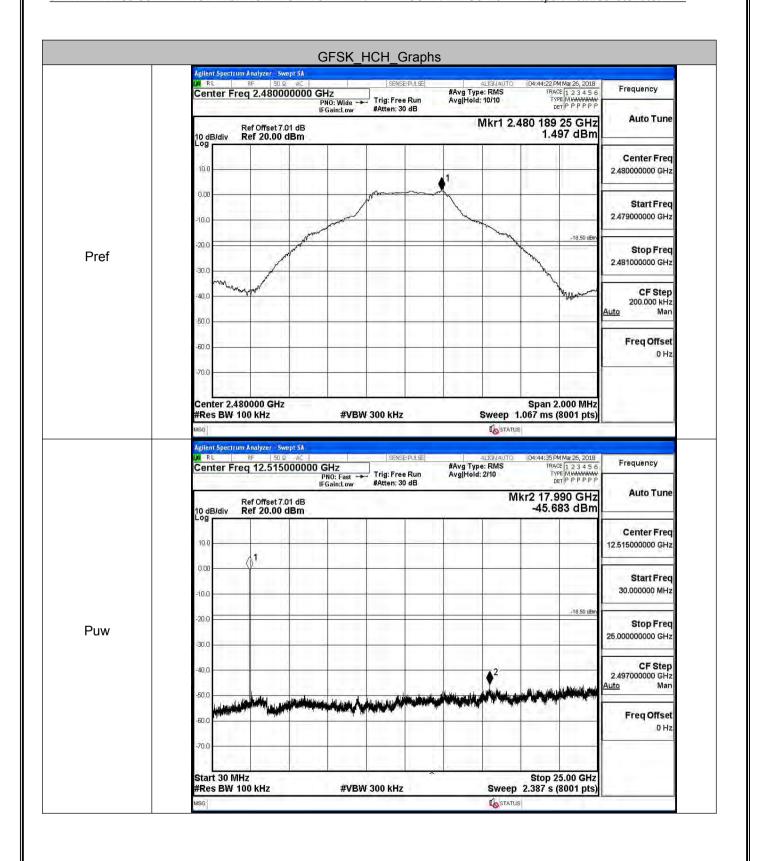
Stop 25.00 GHz Sweep 2.387 s (8001 pts)

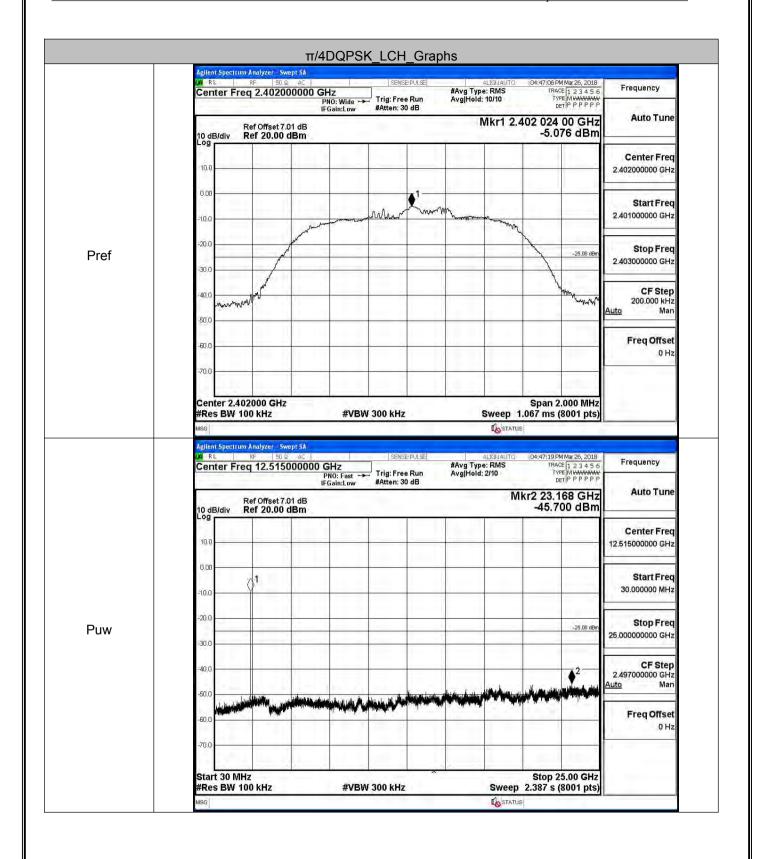
STATUS

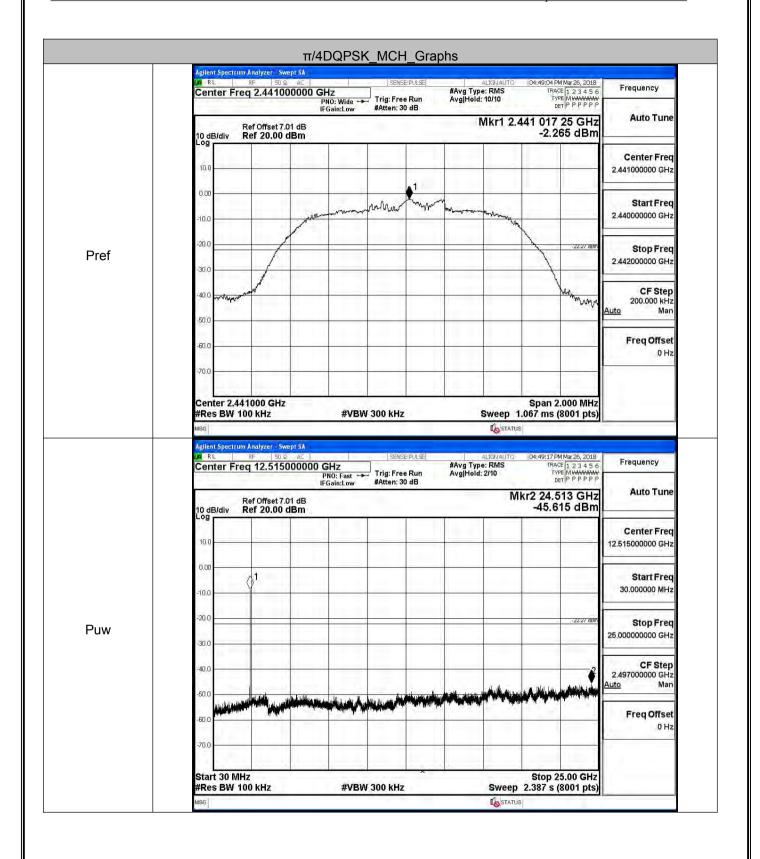
Freq Offset

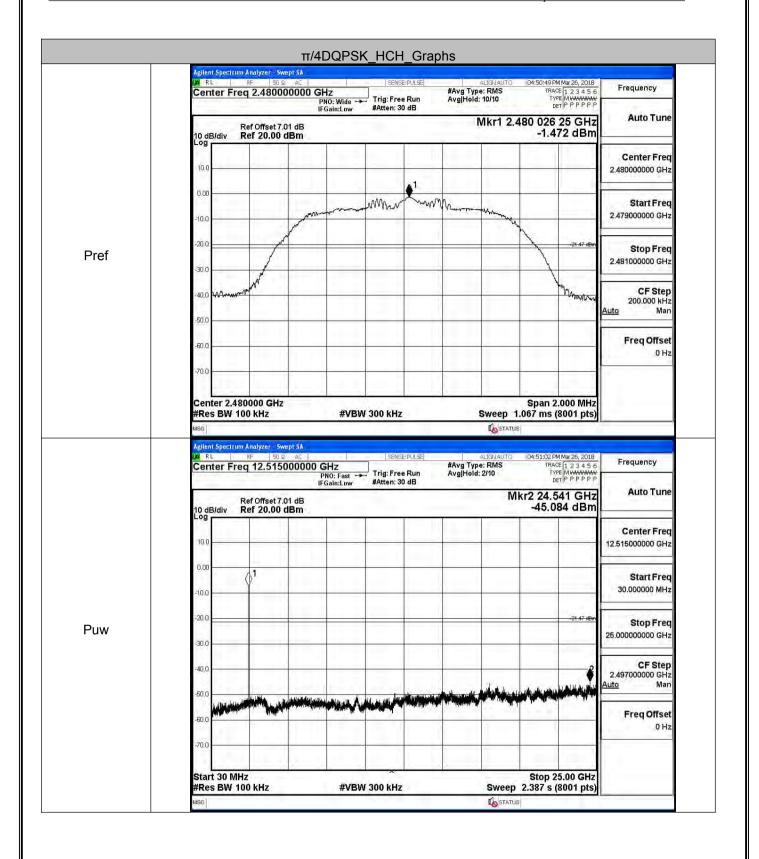
0 Hz

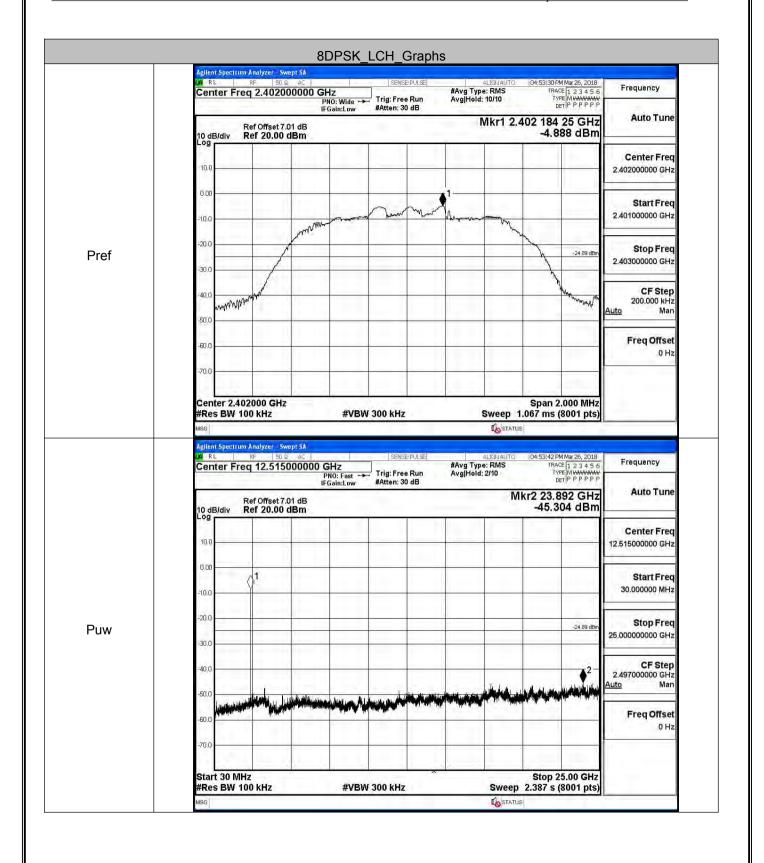


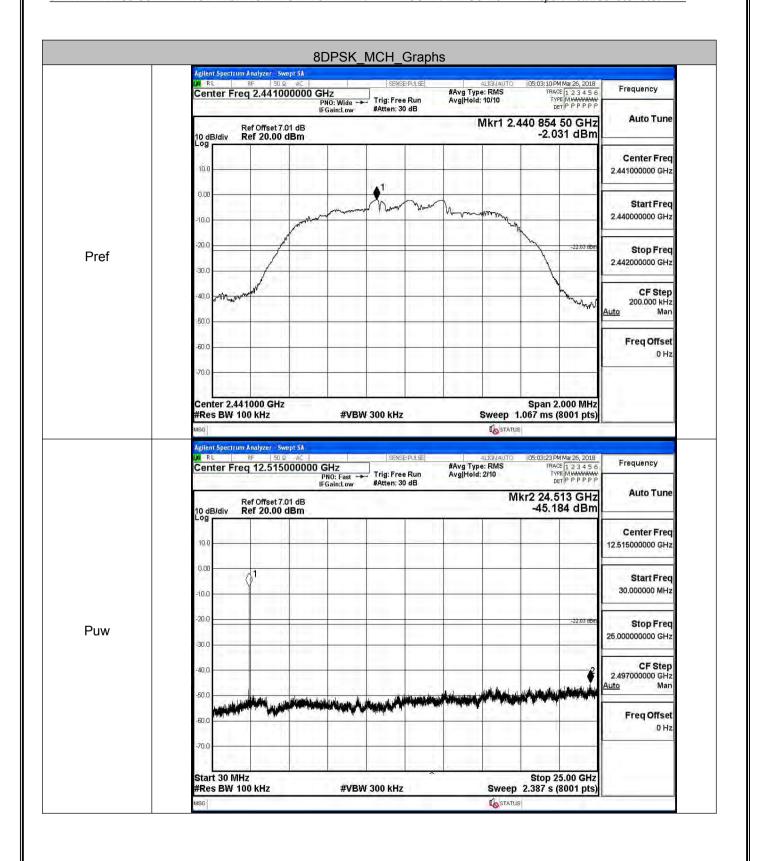


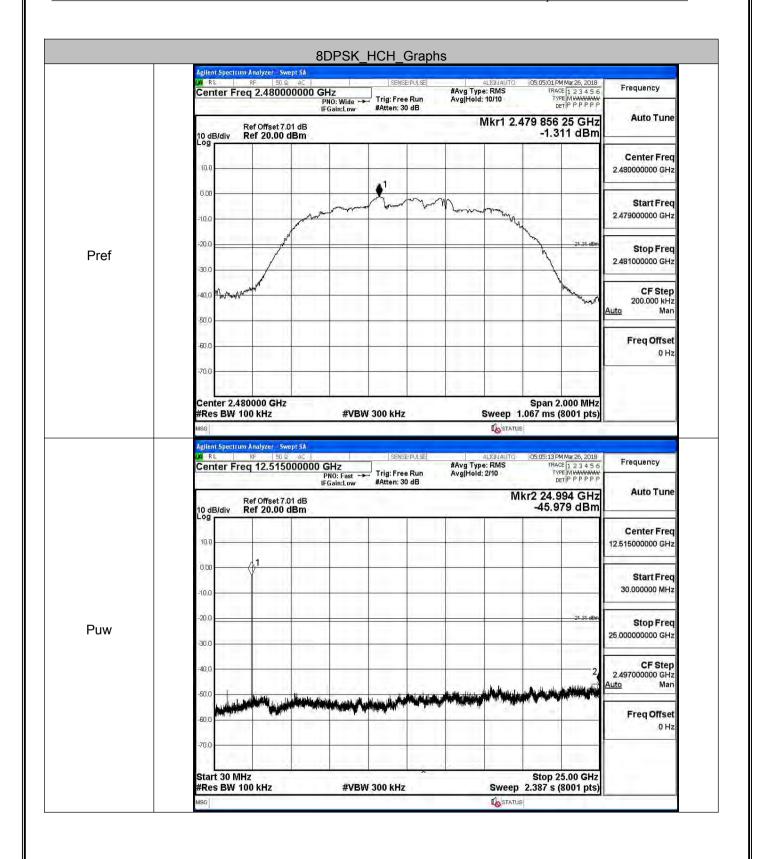






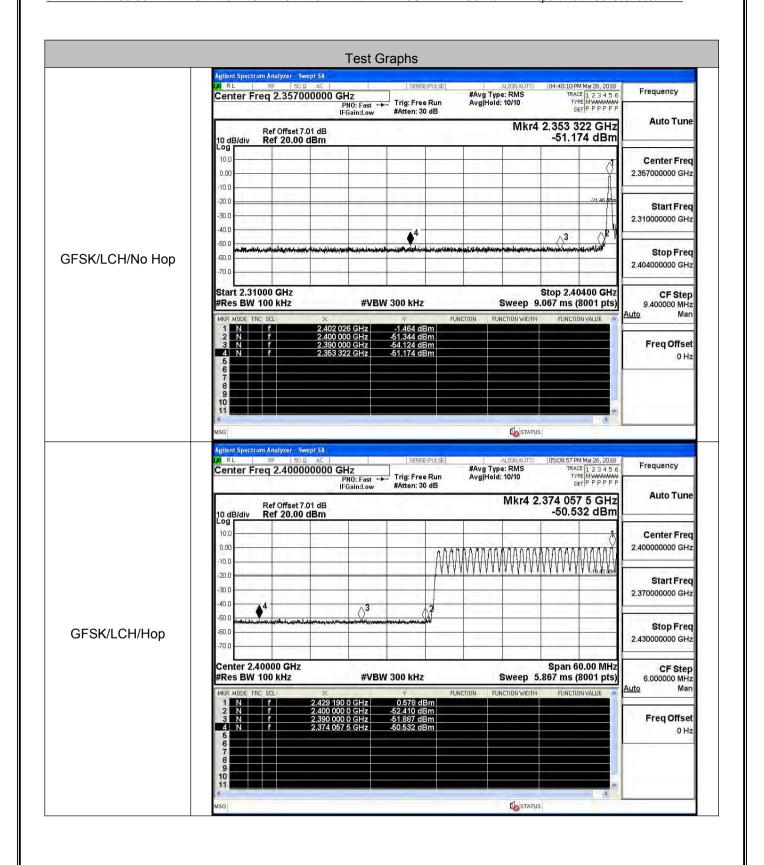


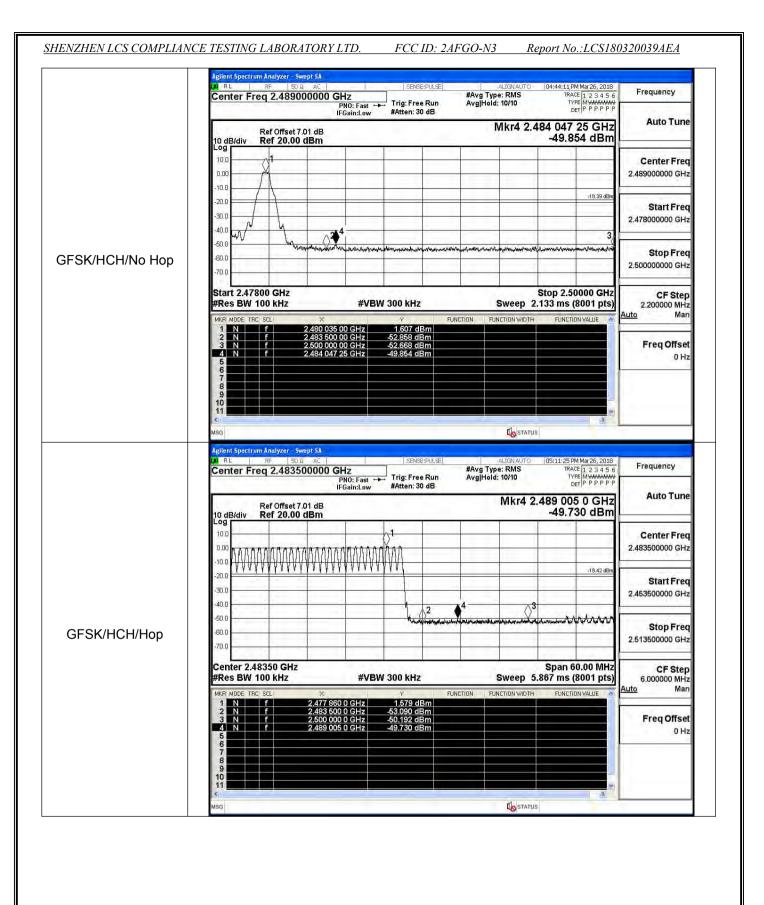


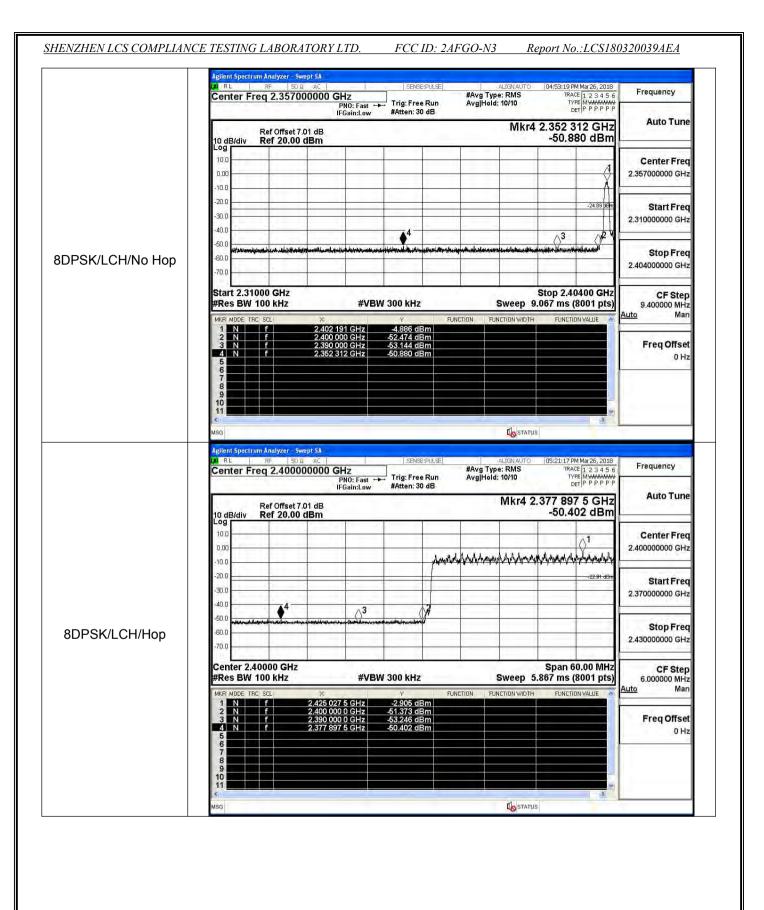


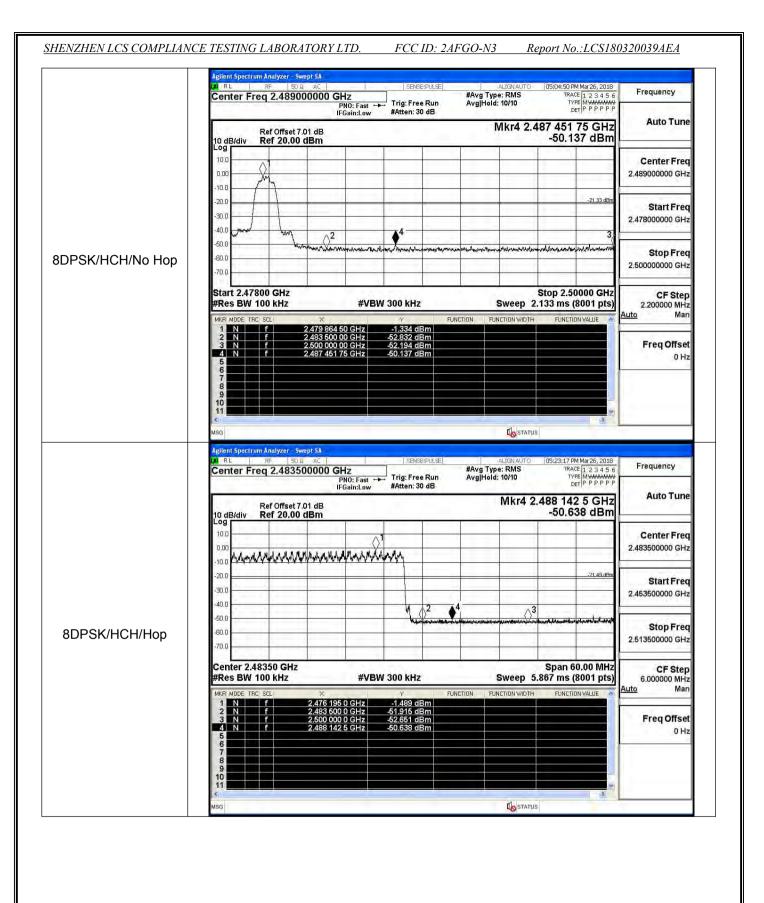
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-1.464	Off	-51.174	-21.46	PASS
	LCH	2402	0.578	On	-50.532	-19.42	PASS
GFSK		2480	1.607	Off	-49.854	-18.39	PASS
	HCH		1.579	On	-49.730	-18.42	PASS
		2402	-4.949	Off	-49.857	-24.95	PASS
	LCH		-2.961	On	-50.308	-22.96	PASS
π/4DQPSK		2480	-1.413	Off	-50.554	-21.41	PASS
	HCH		-1.491	On	-50.417	-21.49	PASS
			-4.886	Off	-50.880	-24.89	PASS
	LCH	2402	-2.905	On	-50.402	-22.91	PASS
8DPSK			-1.334	Off	-50.137	-21.33	PASS
	HCH	2480	-1.489	On	-50.638	-21.49	PASS





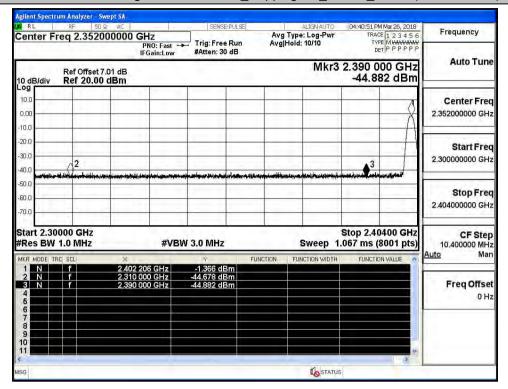




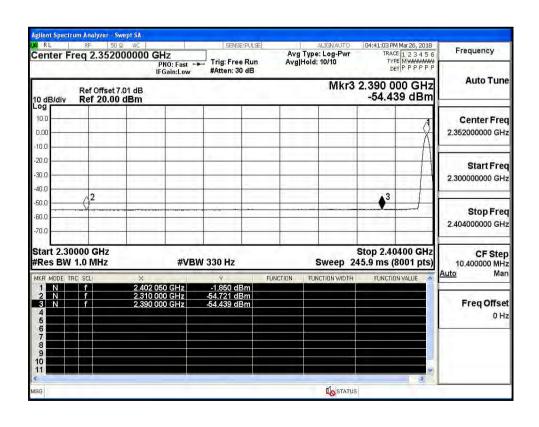
A.8 Restrict-band band-edge measurements

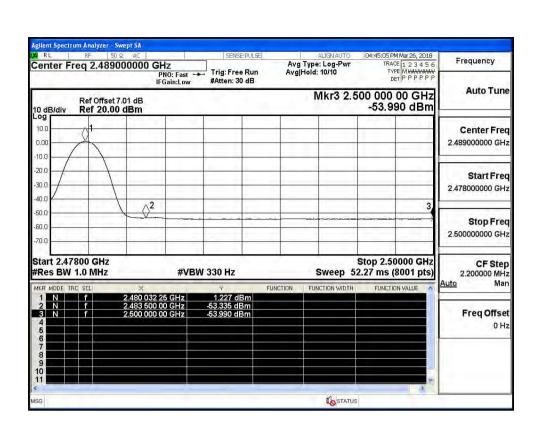
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-44.68	2.0	0	52.58	PEAK	74	PASS
	Off	2310.0	-54.72	2.0	0	42.54	AV	54	PASS
	Off	2390.0	-44.88	2.0	0	52.38	PEAK	74	PASS
	Off	2390.0	-54.44	2.0	0	42.82	AV	54	PASS
	Off	2483.5	-43.50	2.0	0	53.76	PEAK	74	PASS
	Off	2483.5	-53.34	2.0	0	43.92	AV	54	PASS
	Off	2500.0	-44.88	2.0	0	52.38	PEAK	74	PASS
	Off	2500.0	-53.99	2.0	0	43.27	AV	54	PASS
π/4DQPSK	Off	2310.0	-44.15	2.0	0	53.11	PEAK	74	PASS
	Off	2310.0	-54.70	2.0	0	42.56	AV	54	PASS
	Off	2390.0	-44.54	2.0	0	52.72	PEAK	74	PASS
	Off	2390.0	-54.37	2.0	0	42.89	AV	54	PASS
	Off	2483.5	-42.98	2.0	0	54.28	PEAK	74	PASS
	Off	2483.5	-53.51	2.0	0	43.75	AV	54	PASS
	Off	2500.0	-43.14	2.0	0	54.12	PEAK	74	PASS
	Off	2500.0	-54.04	2.0	0	43.22	AV	54	PASS
8DPSK	Off	2310.0	-44.07	2.0	0	53.19	PEAK	74	PASS
	Off	2310.0	-54.72	2.0	0	42.54	AV	54	PASS
	Off	2390.0	-44.92	2.0	0	52.34	PEAK	74	PASS
	Off	2390.0	-54.45	2.0	0	42.81	AV	54	PASS
	Off	2483.5	-43.88	2.0	0	53.38	PEAK	74	PASS
	Off	2483.5	-53.72	2.0	0	43.54	AV	54	PASS
	Off	2500.0	-44.17	2.0	0	53.09	PEAK	74	PASS
	Off	2500.0	-54.06	2.0	0	43.2	AV	54	PASS

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

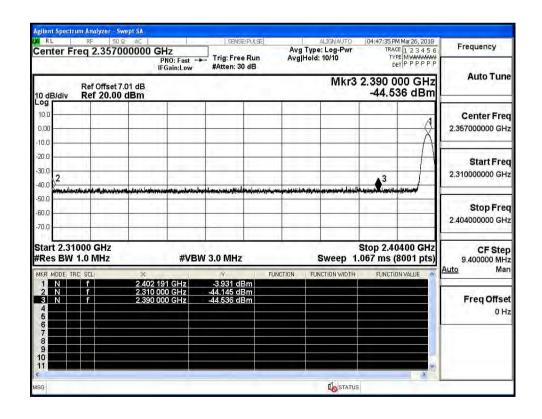


Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)

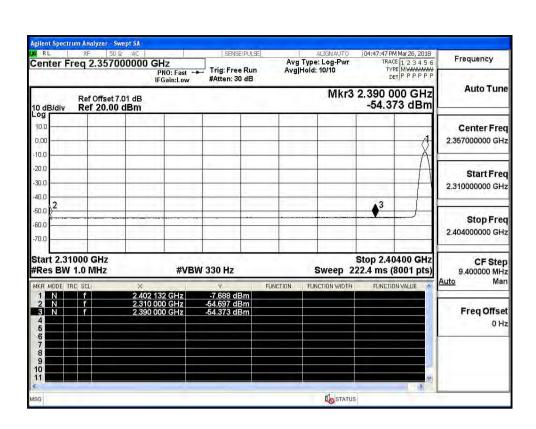




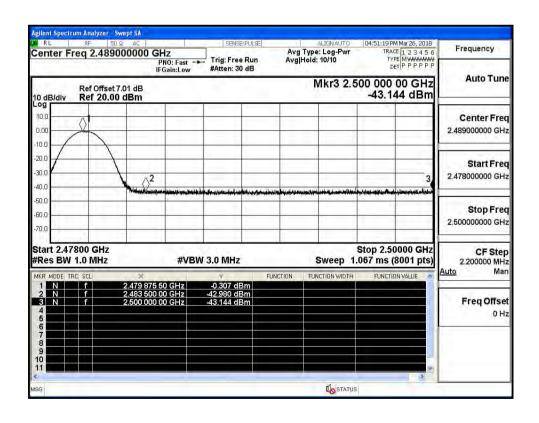
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



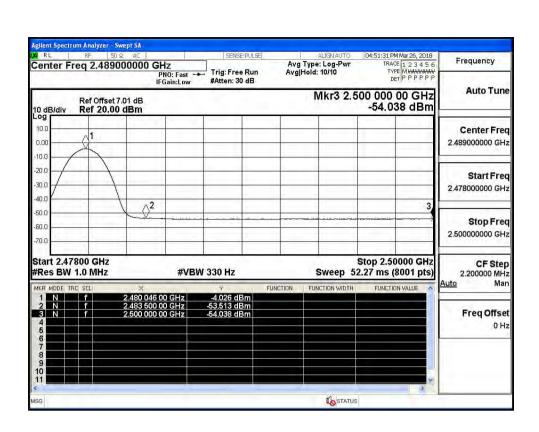
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



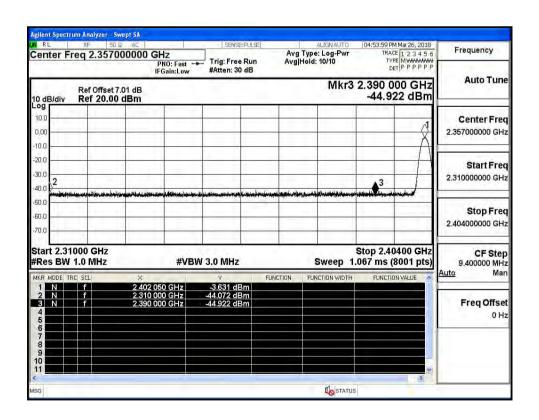
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



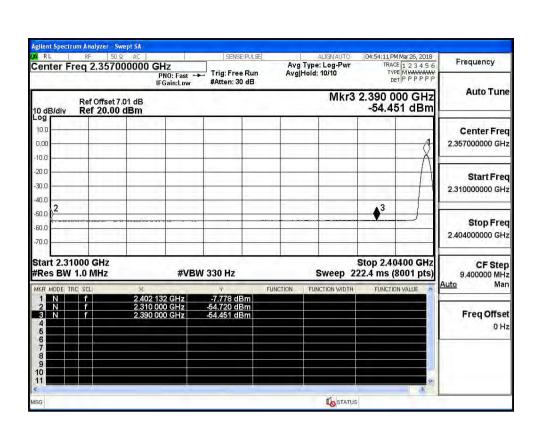
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



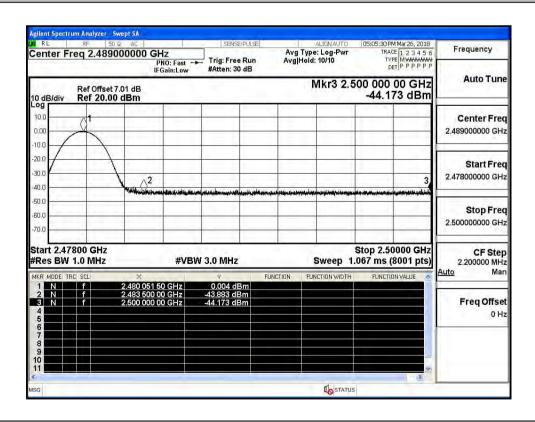
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

