Appendix A

RF Test Data for BT V5.0 (BDR/EDR) (Conducted Measurement)

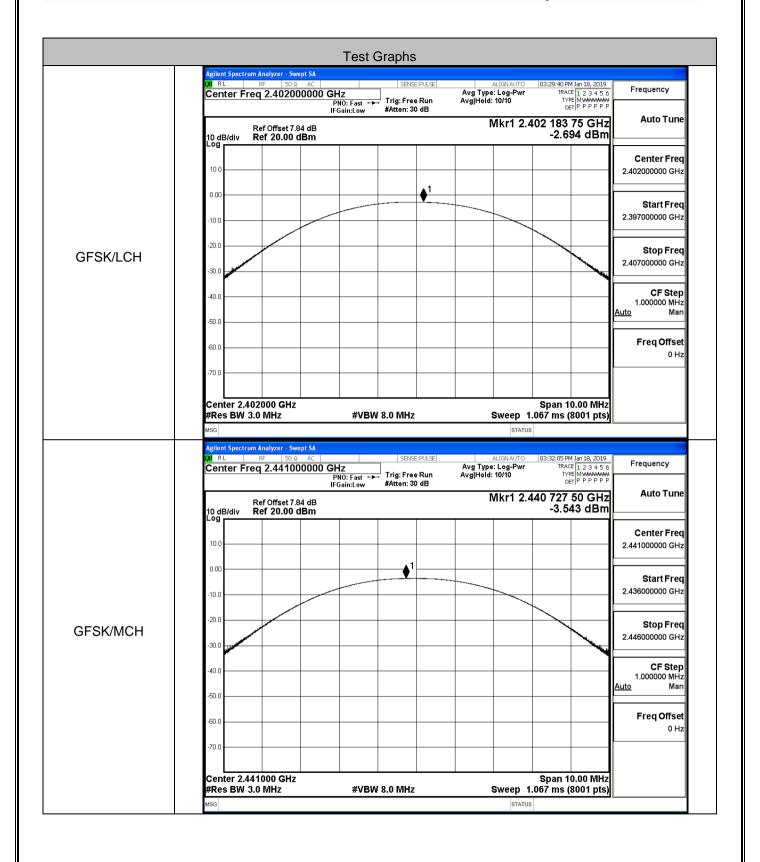
Product Name: WIRELESS HEADPHONES Trade Mark: N/A Test Model: S609-BT

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-2.694	21	PASS
GFSK	MCH	-3.543	21	PASS
	НСН	-4.780	21	PASS
	LCH	-0.400	21	PASS
π/4DQPSK	MCH	-1.365	21	PASS
	НСН	-2.728	21	PASS
	LCH	0.041	21	PASS
8DPSK	MCH	-0.842	21	PASS
	HCH	-2.184	21	PASS

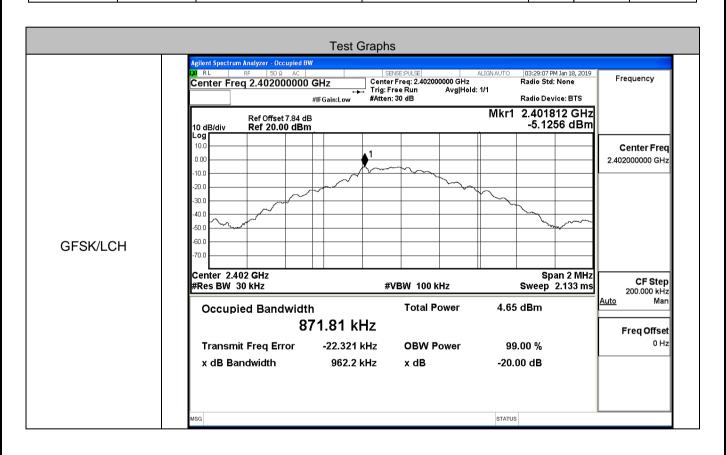


FCC ID: 2AJO8S609-BT Report No.: LCS190102131AEA SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. Agilent Spectrum Analyzer - Swept SA TO 03:58:31 PM Jan 18, 2019 WY TRACE 1 2 3 4 5 6 TYPE MWWWWWWWW DET P P P P P P Avg Type: Log-Pwr Avg|Hold: 10/10 Frequency Mkr1 2.479 953 75 GHz -2.184 dBm Auto Tune Ref Offset 7.84 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 2.480000000 GHz 0.00 Start Freq 2.475000000 GHz -10.0 -20.0 Stop Freq 8DPSK/HCH 2.485000000 GHz CF Step 1.000000 MHz Man 40.0 <u>Auto</u> -50.0 Freq Offset -60.0 0 Hz -70.0 Center 2.480000 GHz #Res BW 3.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts) **#VBW 8.0 MHz**

STATUS

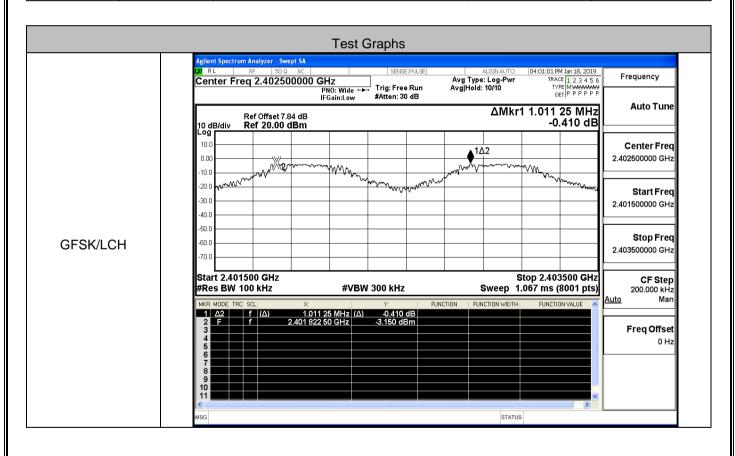
A.2 99% and 20dB Bandwidth

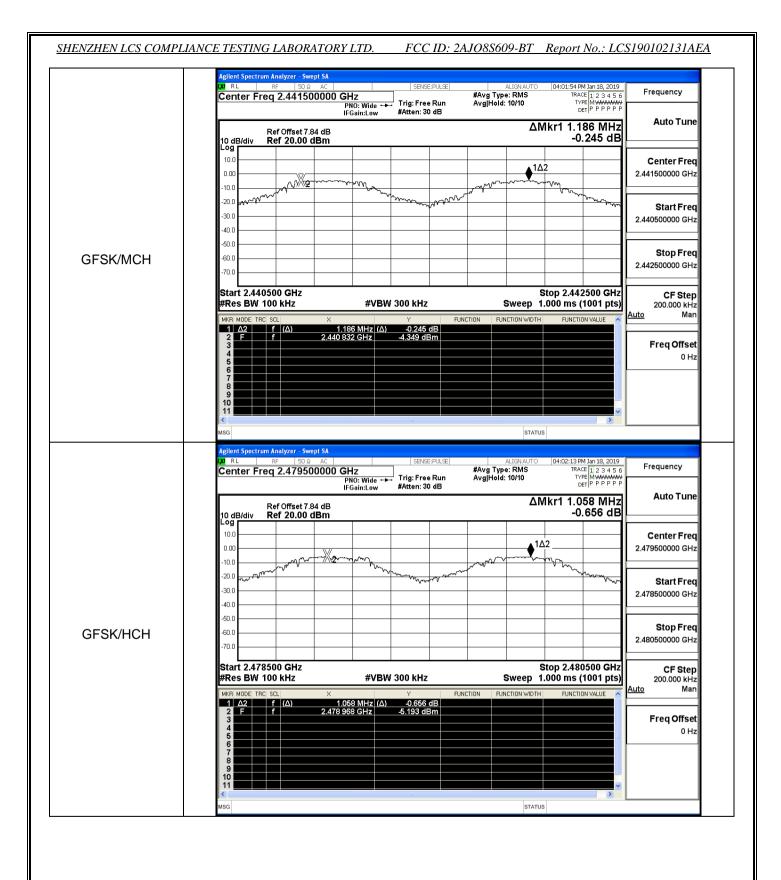
Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.87181	0.9622	Not Specified	PASS
GFSK	MCH	0.87314	0.9630	Not Specified	PASS
	НСН	0.87418	0.9622	Not Specified	PASS
	LCH	1.1613	1.281	Not Specified	PASS
π/4DQPSK	MCH	1.1609	1.282	Not Specified	PASS
	HCH	1.1608	1.282	Not Specified	PASS
	LCH	1.1687	1.301	Not Specified	PASS
8DPSK	BDPSK MCH 1		1.300	Not Specified	PASS
	HCH	1.1691	1.302	Not Specified	PASS

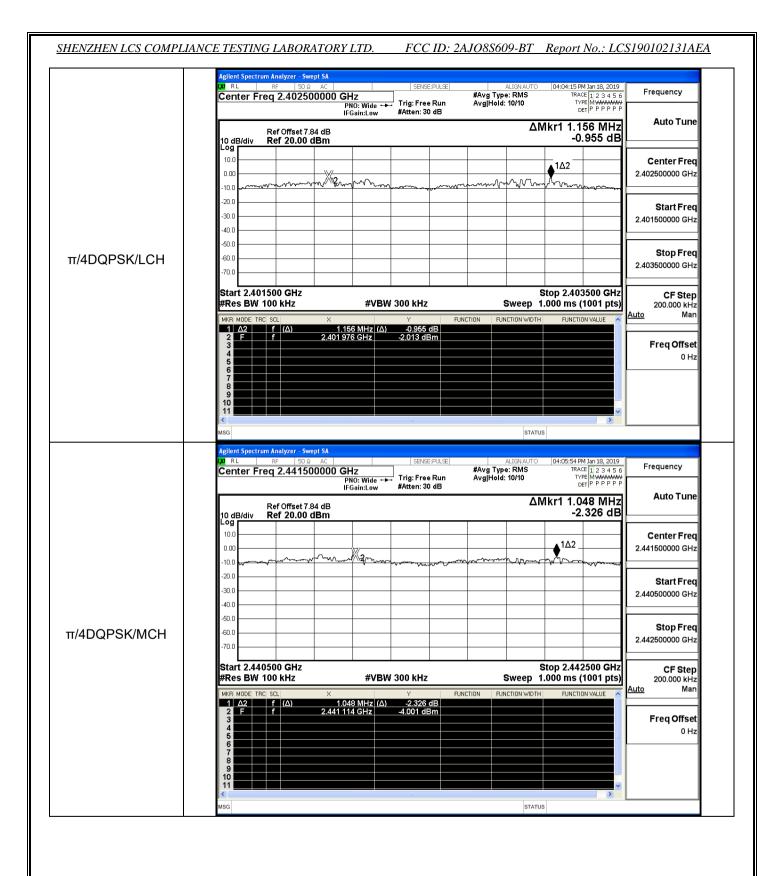


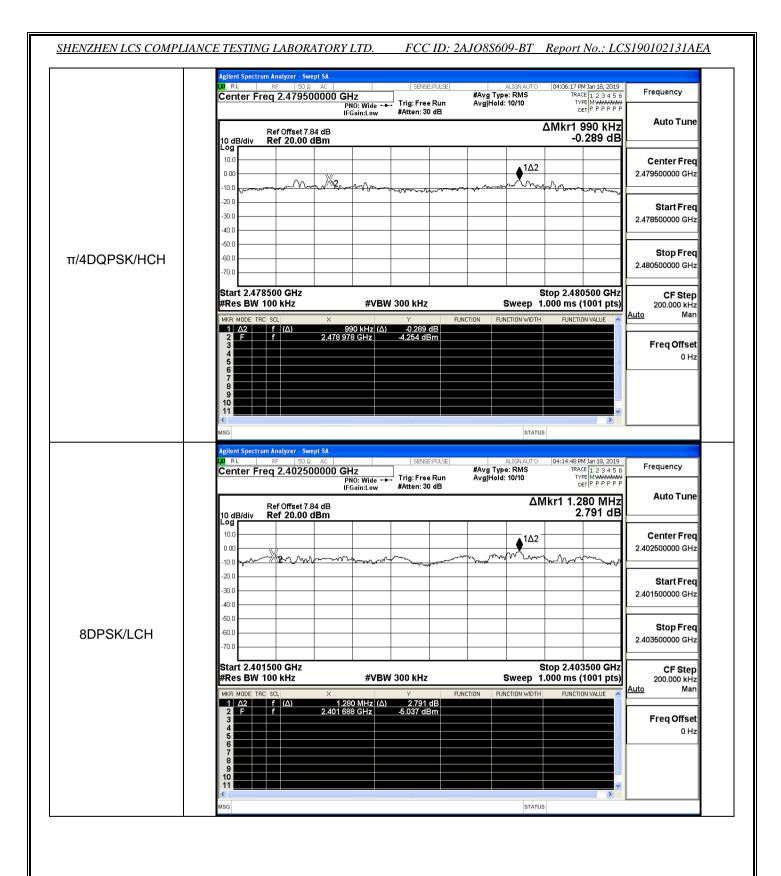
A.3 Carrier Frequency Separation

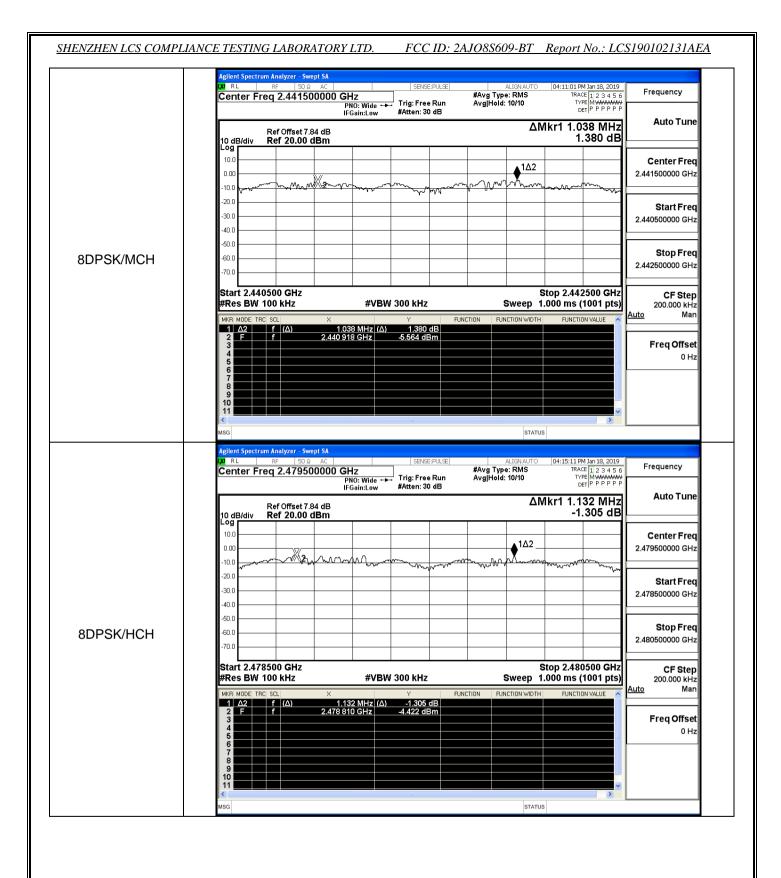
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.011	0.642	PASS
GFSK	MCH	1.186	0.642	PASS
	HCH	1.058	0.642	PASS
	LCH	1.156	0.855	PASS
π/4DQPSK	MCH	1.048	0.855	PASS
	HCH	0.990	0.855	PASS
	LCH	1.280	0.868	PASS
8DPSK	MCH	1.038	0.868	PASS
	HCH	1.132	0.868	PASS





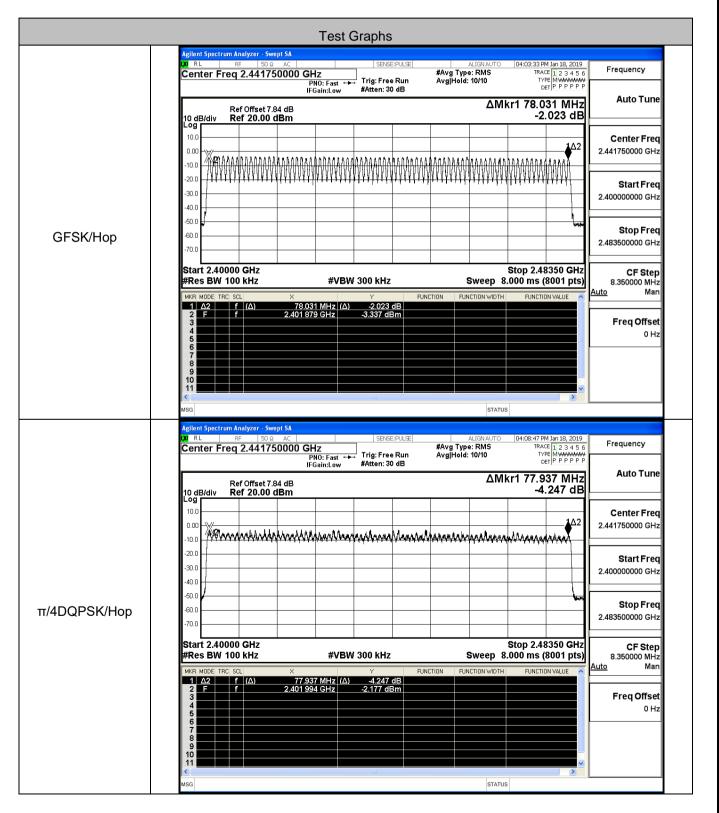


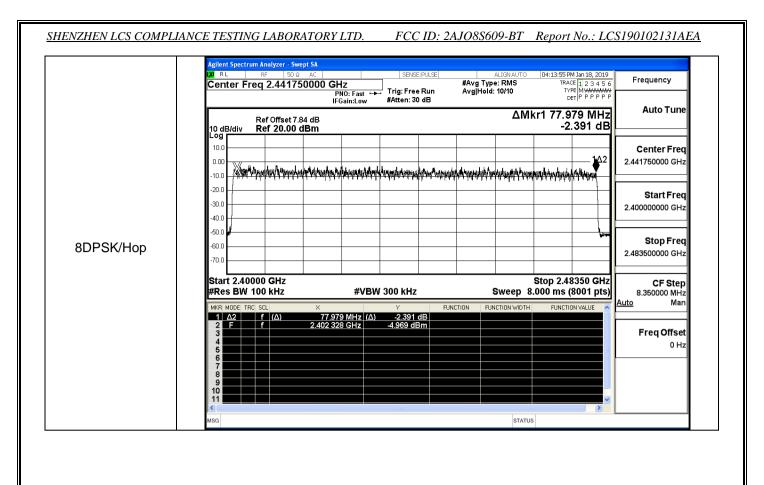




A.4 Hopping Channel Number

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

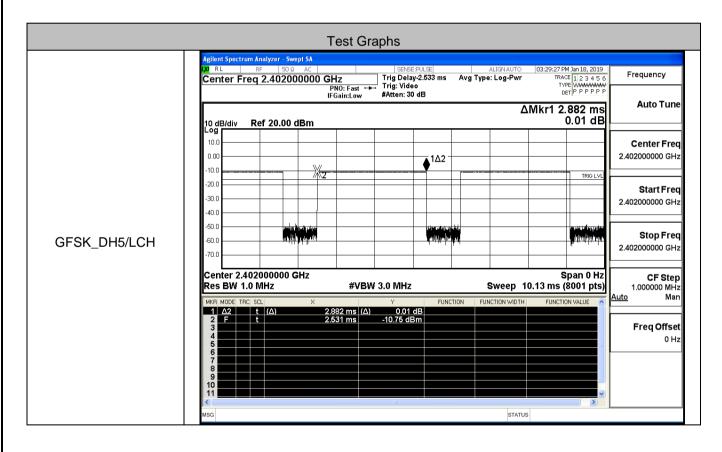


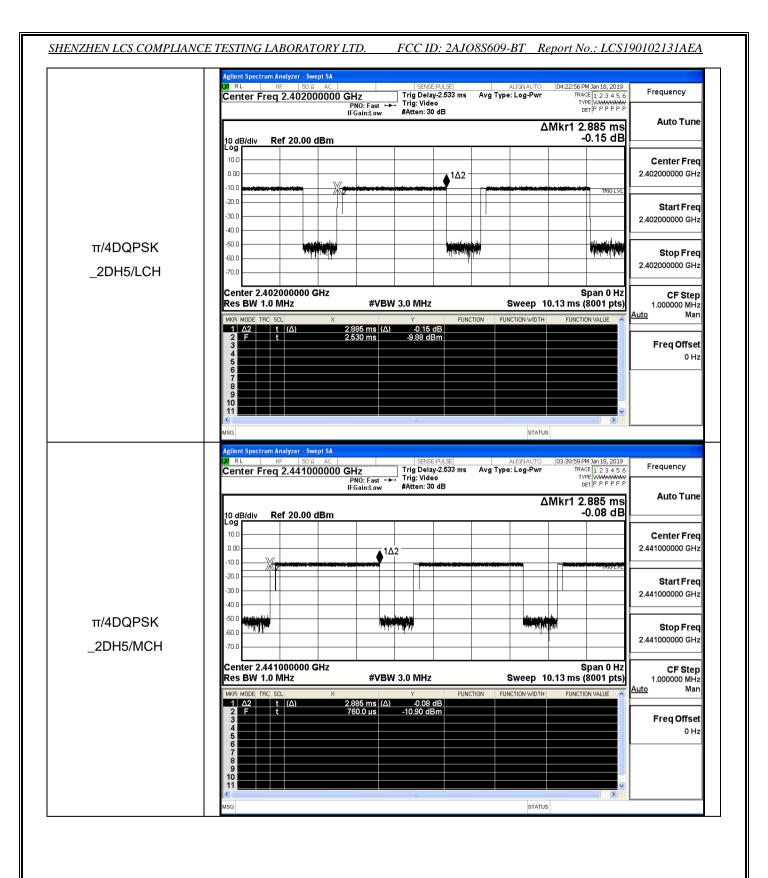


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A.5 Dwell Time

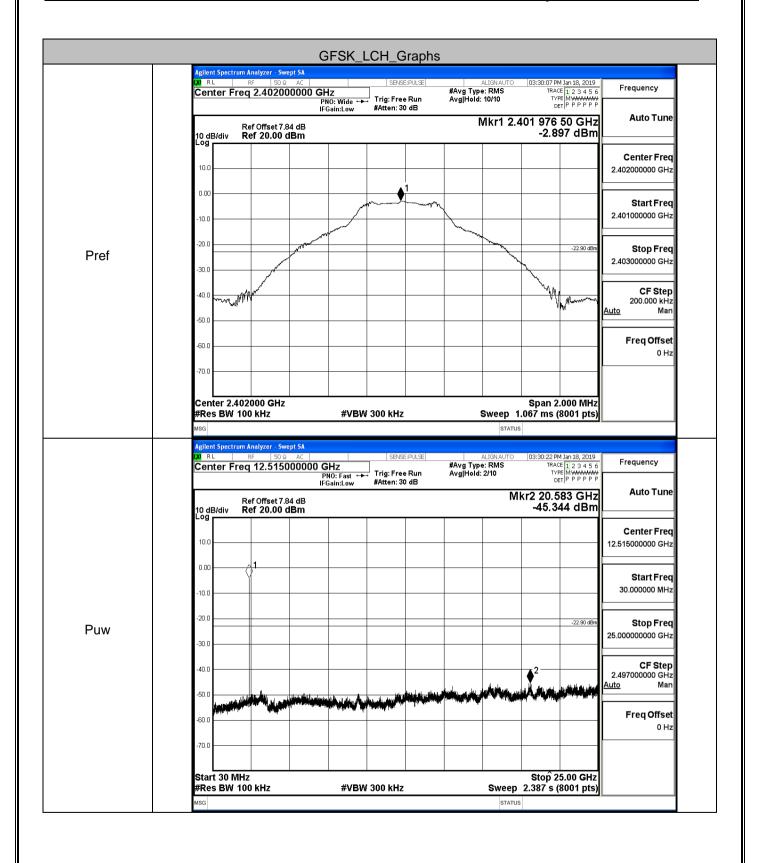
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
	DH5	LCH	2.88	106.7	0.307	0.4	PASS
GFSK	GFSK DH5 MCH		2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
	2DH5	LCH	2.89	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	MCH	2.89	106.7	0.308	0.4	PASS
	2DH5	HCH	2.89	106.7	0.308	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

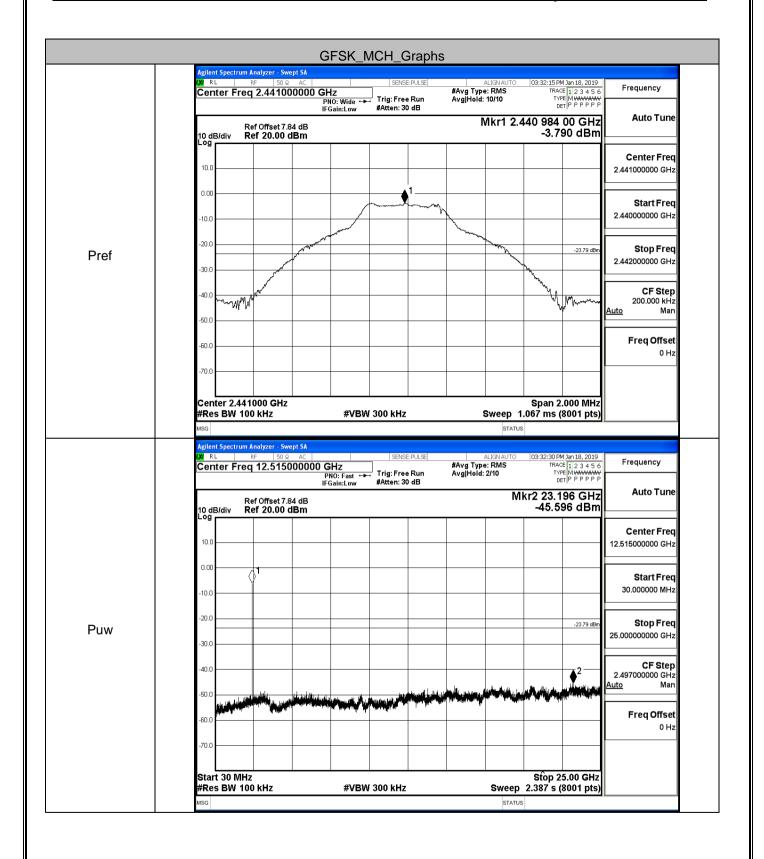


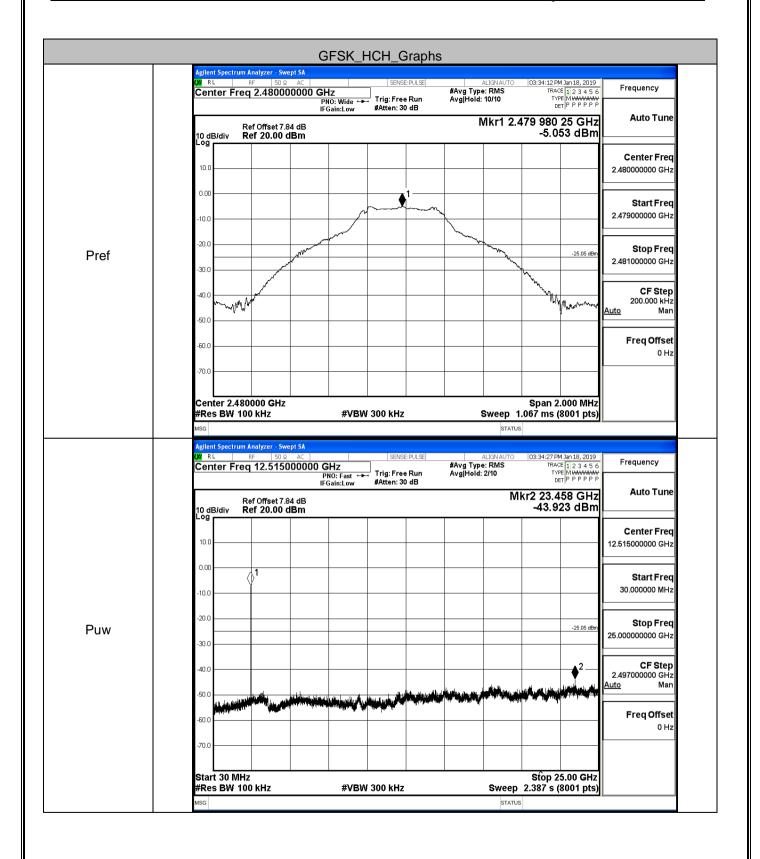


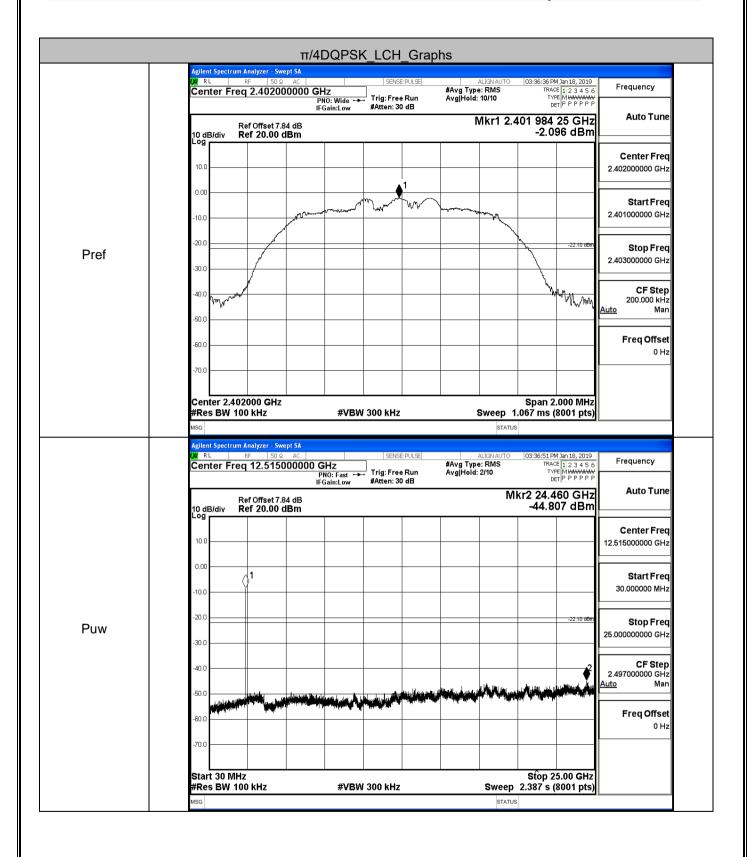
A.6 RF Conducted Spurious Emissions

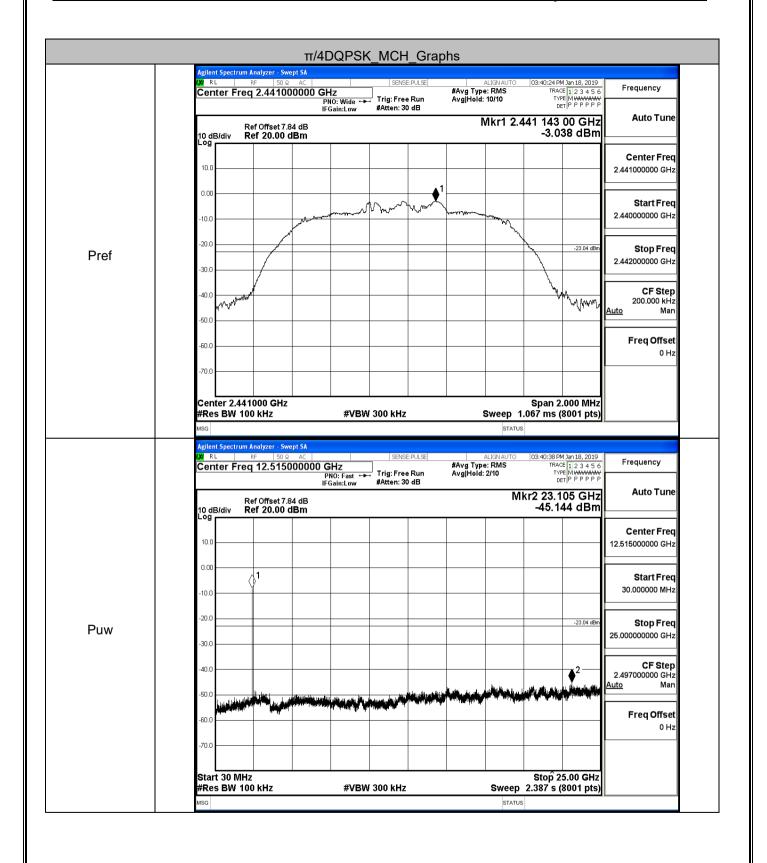
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-2.897	-45.344	-22.897	PASS
GFSK	MCH	-3.79	-45.596	-23.790	PASS
	HCH	-5.053	-43.923	-25.053	PASS
	LCH	-2.096	-44.807	-22.096	PASS
π/4DQPSK	MCH	-3.038	-45.144	-23.038	PASS
	НСН	-4.423	-45.209	-24.423	PASS
	LCH	-2.124	-44.307	-22.124	PASS
8DPSK	MCH	-3.138	-45.698	-23.138	PASS
	HCH	-4.865	-44.954	-24.865	PASS

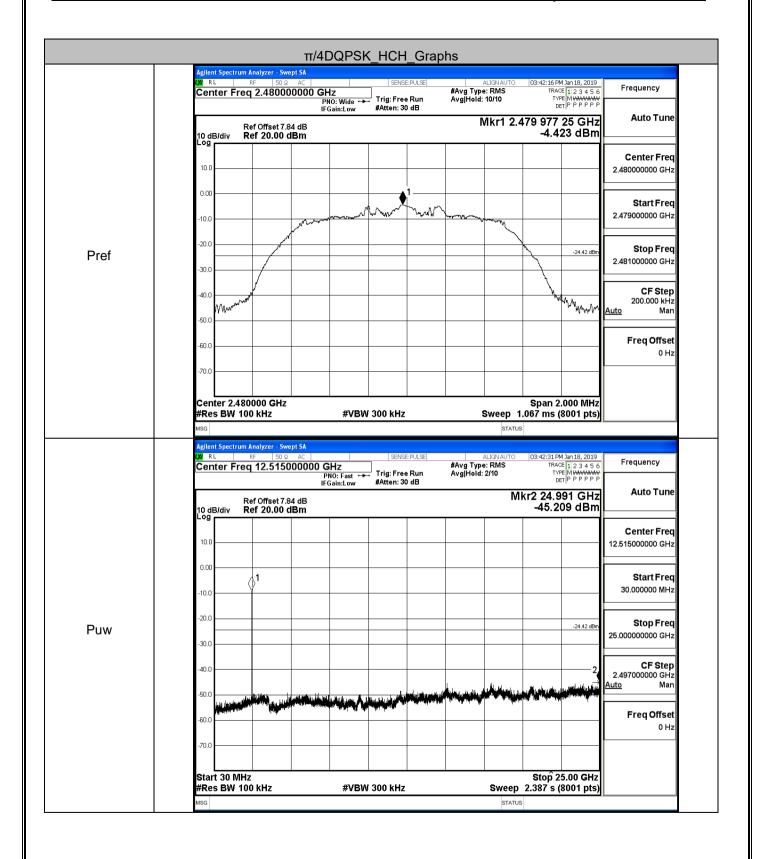


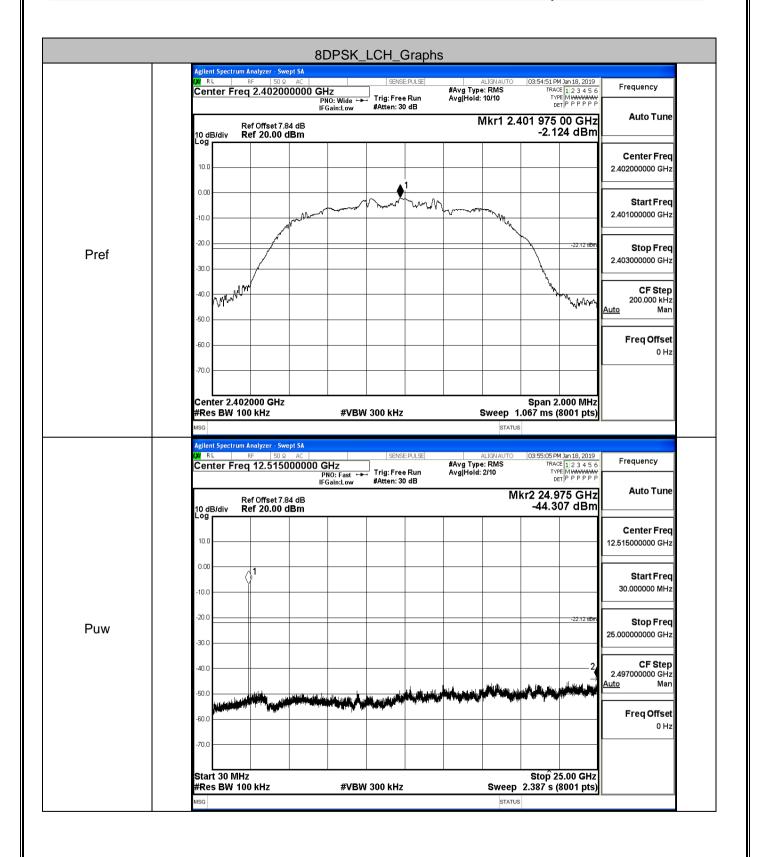


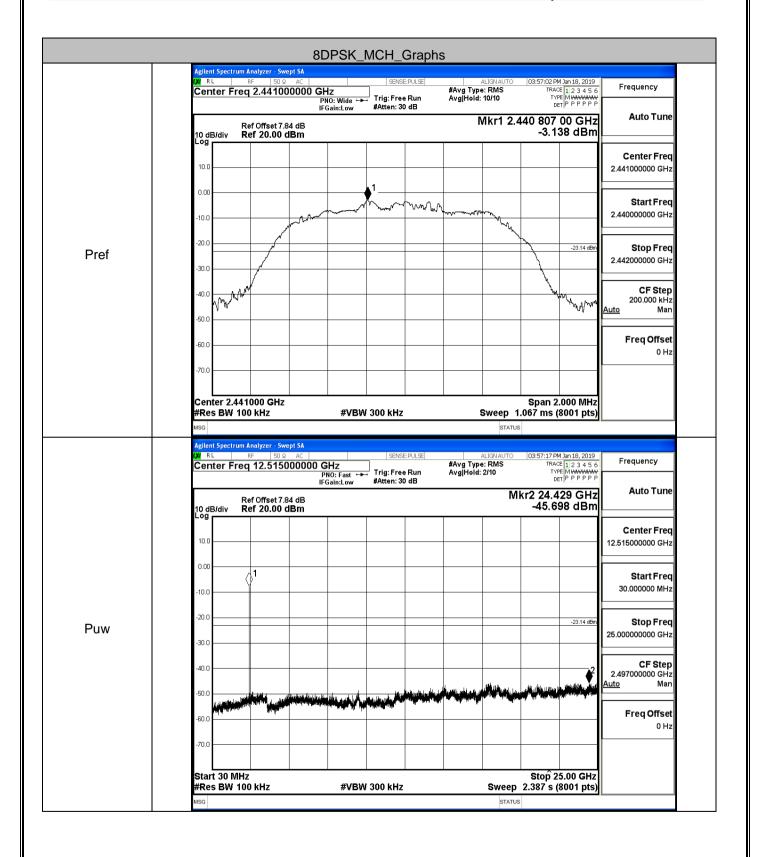


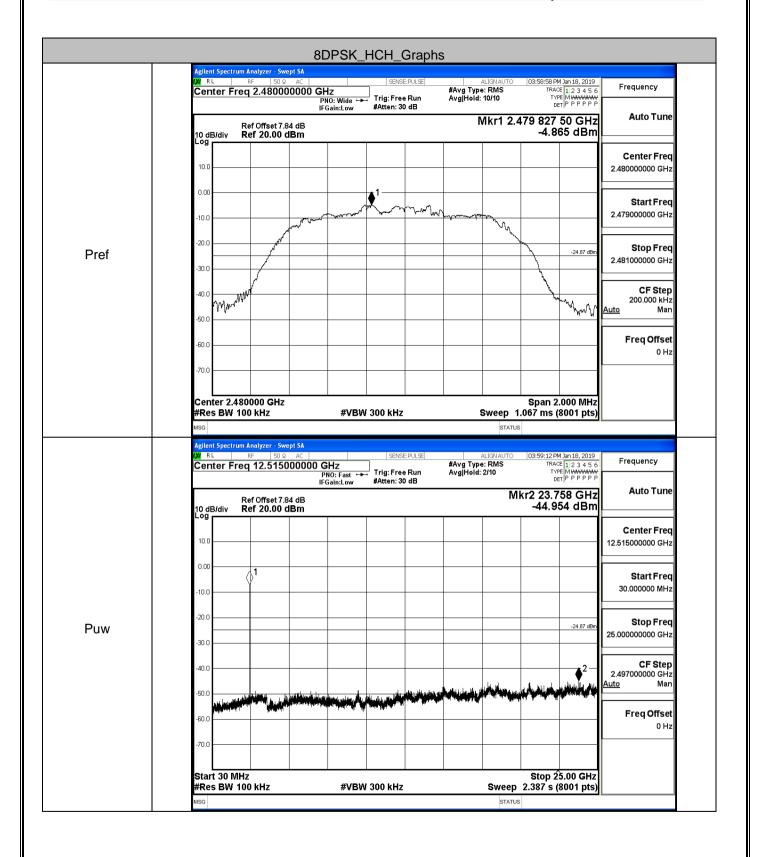






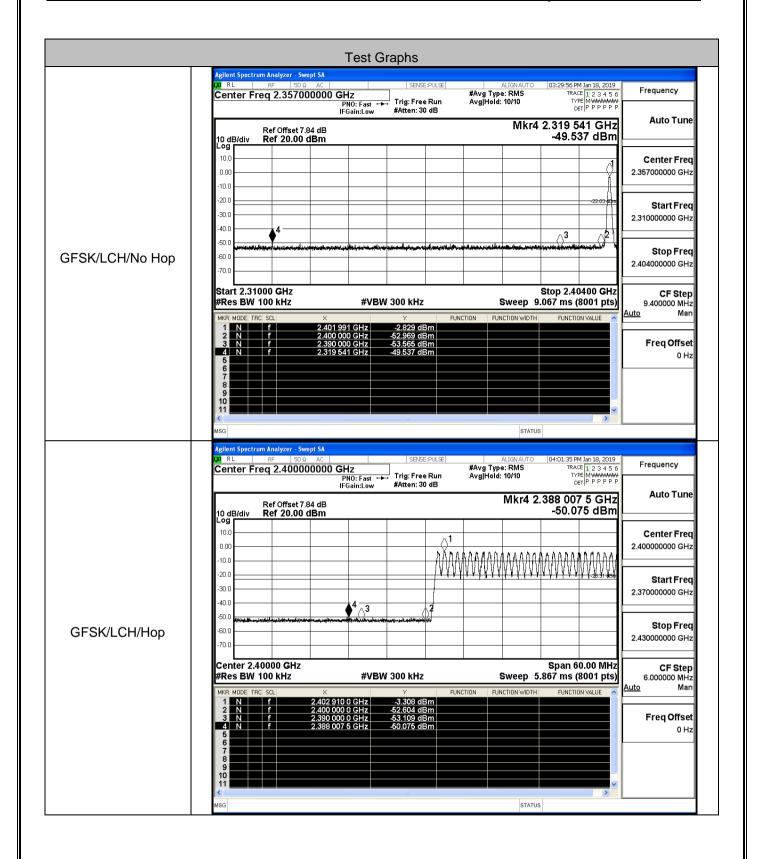






A.7 Band-edge for RF Conducted Emissions

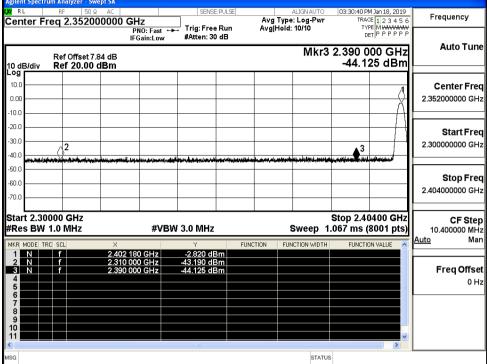
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			-2.829	Off	-49.537	-22.83	PASS	
2-21/	LCH	2402	-3.308	On	-50.075	-23.31	PASS	
GFSK	НСН	2480	-4.912	Off	-50.151	-24.91	PASS	
			-3.958	On	-49.186	-23.96	PASS	
	LCH			-2.232	Off	-50.096	-22.23	PASS
		2402	-2.306	On	-48.871	-22.31	PASS	
π/4DQPSK	нсн		-4.290	Off	-49.895	-24.29	PASS	
		2480	-3.542	On	-49.546	-23.54	PASS	
			-2.121	Off	-50.424	-22.12	PASS	
	LCH	2402	-2.683	On	-49.557	-22.68	PASS	
8DPSK			-4.250	Off	-49.708	-24.25	PASS	
	HCH	2480	-3.552	On	-49.517	-23.55	PASS	



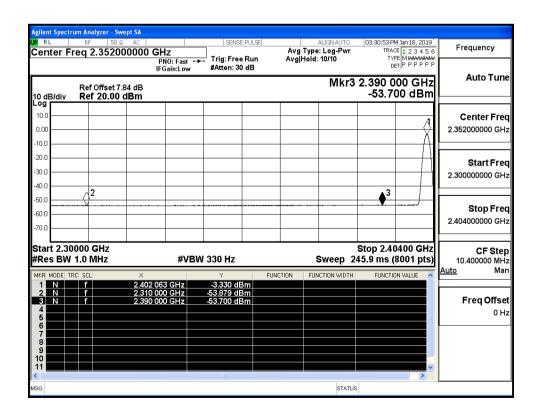
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.19	2.0	0	54.07	PEAK	74	PASS
	Off	2310.0	-53.88	2.0	0	43.38	AV	54	PASS
	Off	2390.0	-44.13	2.0	0	53.13	PEAK	74	PASS
	Off	2390.0	-53.70	2.0	0	43.56	AV	54	PASS
GFSK	Off	2483.5	-42.62	2.0	0	54.64	PEAK	74	PASS
	Off	2483.5	-53.26	2.0	0	43.99	AV	54	PASS
	Off	2500.0	-43.71	2.0	0	53.54	PEAK	74	PASS
	Off	2500.0	-53.20	2.0	0	44.05	AV	54	PASS
	Off	2310.0	-44.07	2.0	0	53.19	PEAK	74	PASS
	Off	2310.0	-53.88	2.0	0	43.38	AV	54	PASS
	Off	2390.0	-44.32	2.0	0	52.94	PEAK	74	PASS
	Off	2390.0	-53.62	2.0	0	43.64	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.58	2.0	0	53.67	PEAK	74	PASS
	Off	2483.5	-53.28	2.0	0	43.98	AV	54	PASS
	Off	2500.0	-42.55	2.0	0	54.71	PEAK	74	PASS
	Off	2500.0	-53.15	2.0	0	44.11	AV	54	PASS
	Off	2310.0	-43.36	2.0	0	53.90	PEAK	74	PASS
	Off	2310.0	-53.97	2.0	0	43.28	AV	54	PASS
	Off	2390.0	-42.80	2.0	0	54.46	PEAK	74	PASS
	Off	2390.0	-53.62	2.0	0	43.64	AV	54	PASS
8DPSK	Off	2483.5	-43.24	2.0	0	54.01	PEAK	74	PASS
	Off	2483.5	-53.37	2.0	0	43.89	AV	54	PASS
	Off	2500.0	-43.36	2.0	0	53.89	PEAK	74	PASS
	Off	2500.0	-53.23	2.0	0	44.03	AV	54	PASS

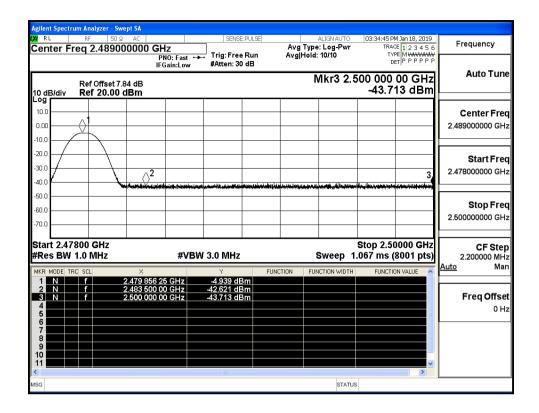




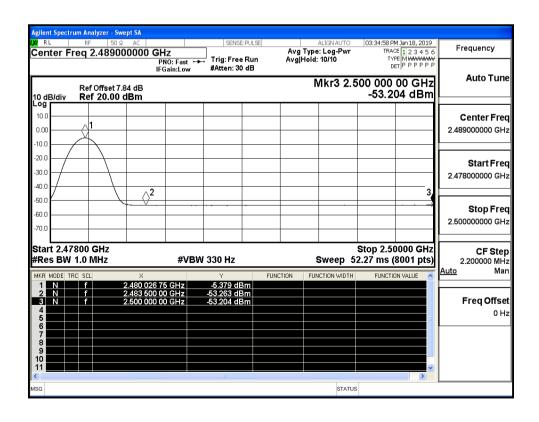
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



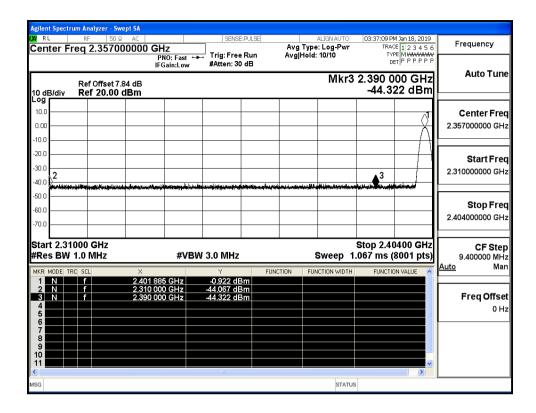
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



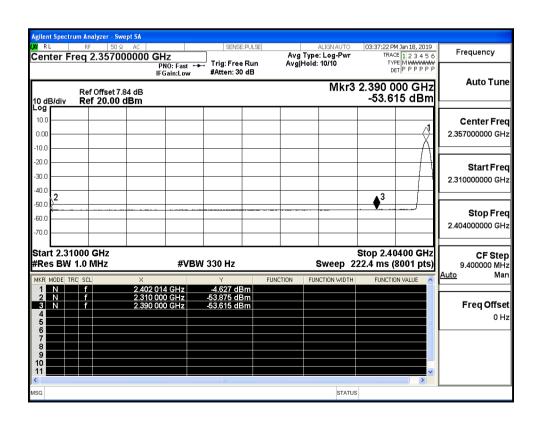
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



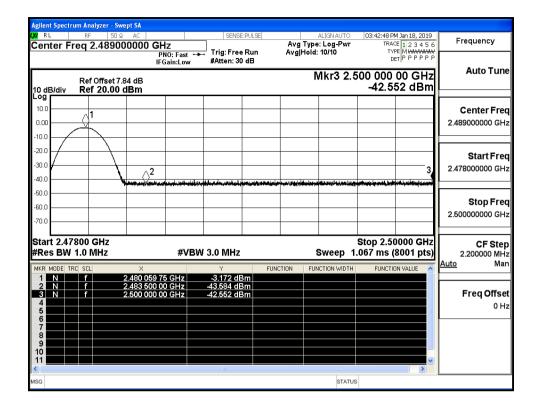
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



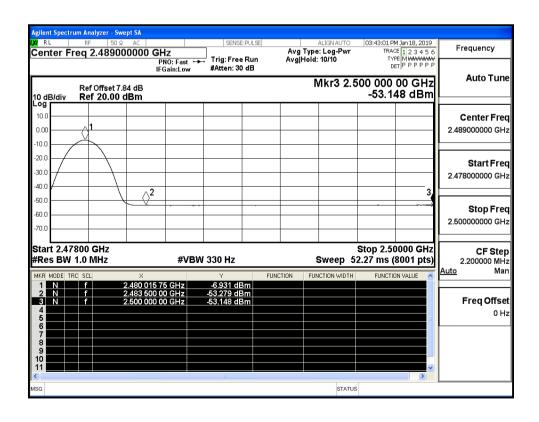
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



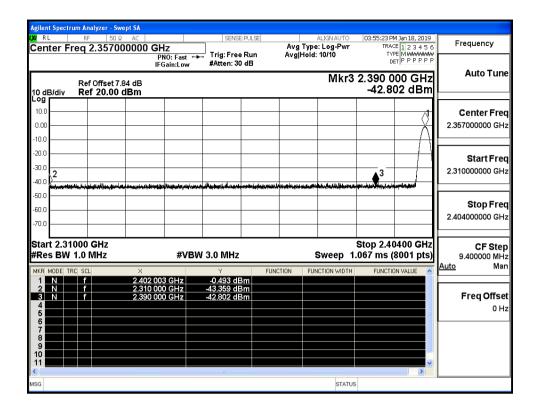
Restrict-band band-edge measurements_Hopping Off_\pi/4-DQPSK_PEAK (High Channel)



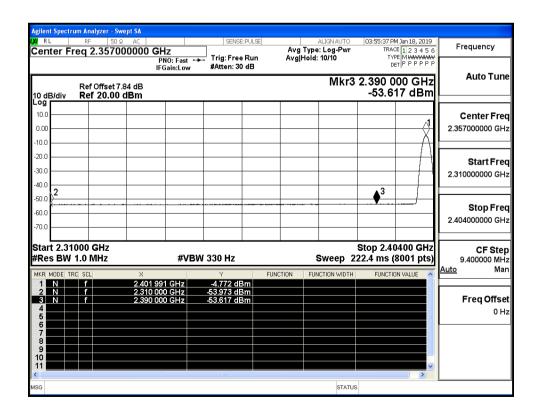
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



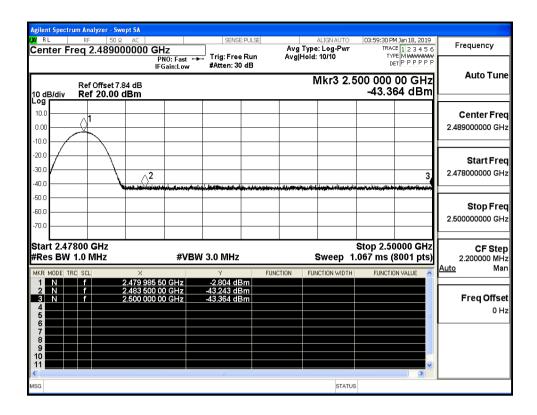
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

