Appendix A RF Test Data for BT V5.0 (Conducted Measurement) Product Name: Classic Portable Turntable

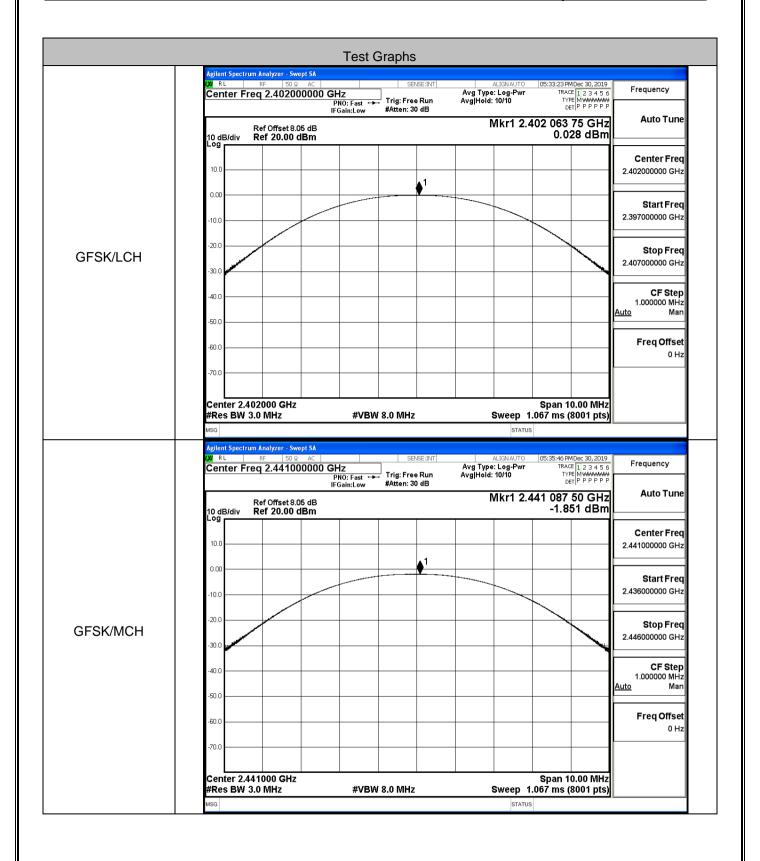
Trade Mark: ByronStatics
Test Model: KTS-601BT

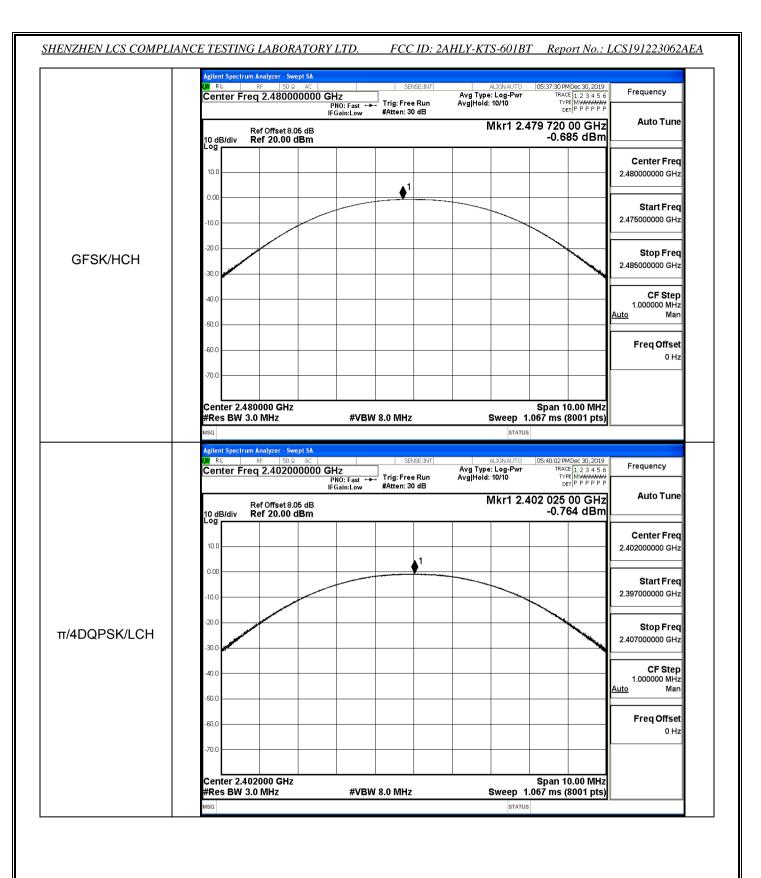
Environmental Conditions

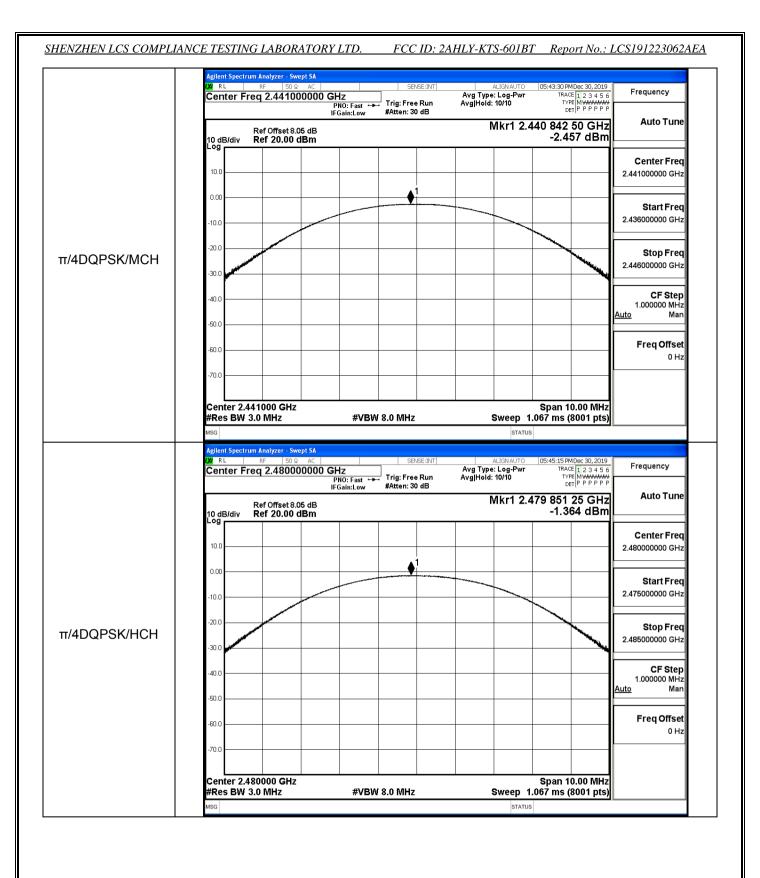
Temperature:	25.1 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Tom Liu

A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	0.028	30	PASS
GFSK	MCH	-1.851	30	PASS
	НСН	-0.685	30	PASS
	LCH	-0.764	21	PASS
π/4DQPSK	MCH	-2.457	21	PASS
	HCH	-1.364	21	PASS

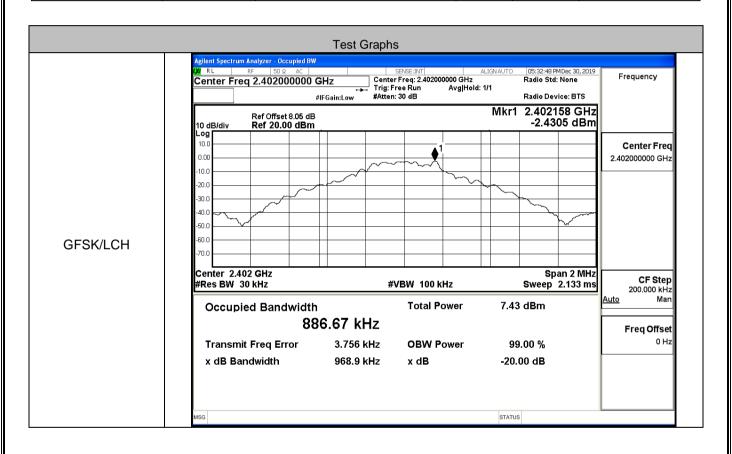


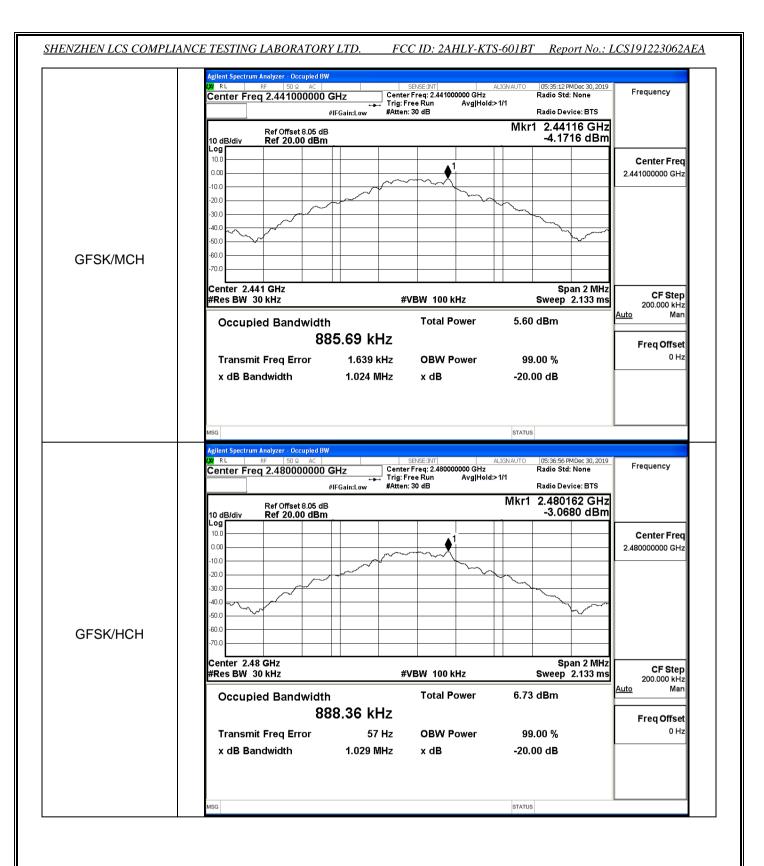


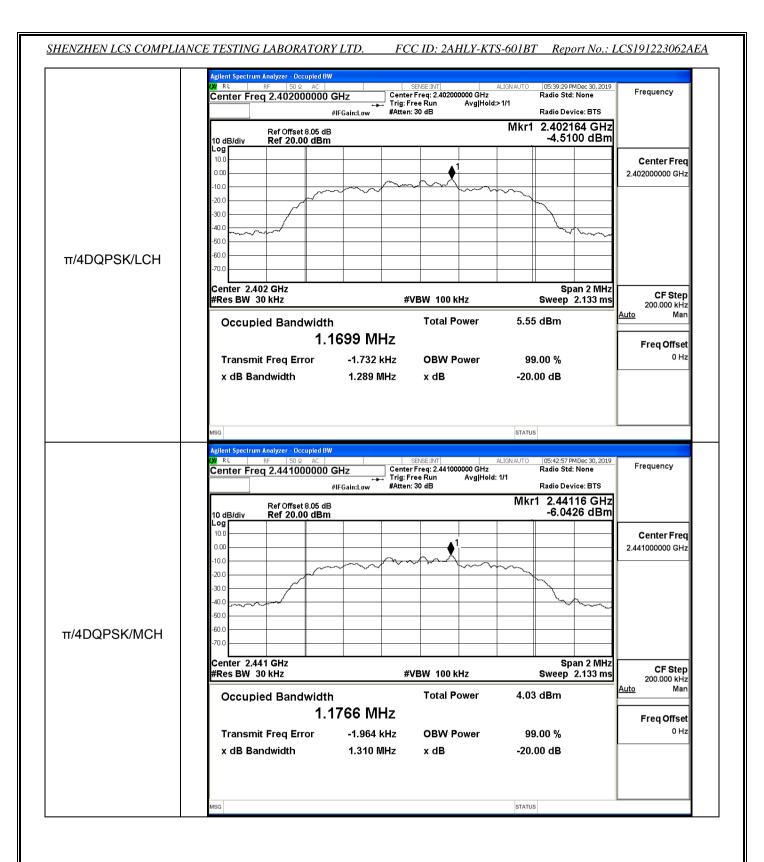


A.2 20dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9689	Not Specified	PASS
GFSK	MCH	1.024	Not Specified	PASS
	HCH	1.029	Not Specified	PASS
	LCH	1.289	Not Specified	PASS
π/4DQPSK	MCH	1.310	Not Specified	PASS
	НСН	1.290	Not Specified	PASS



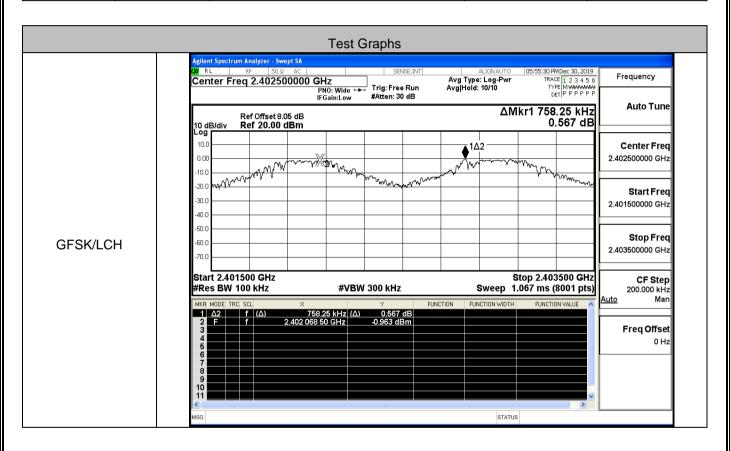


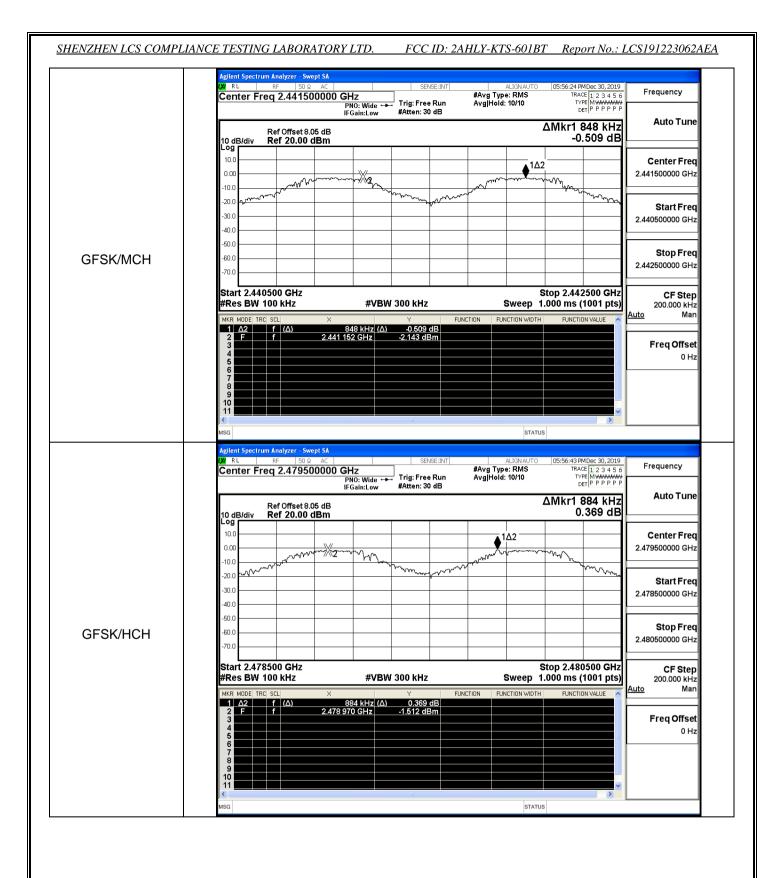


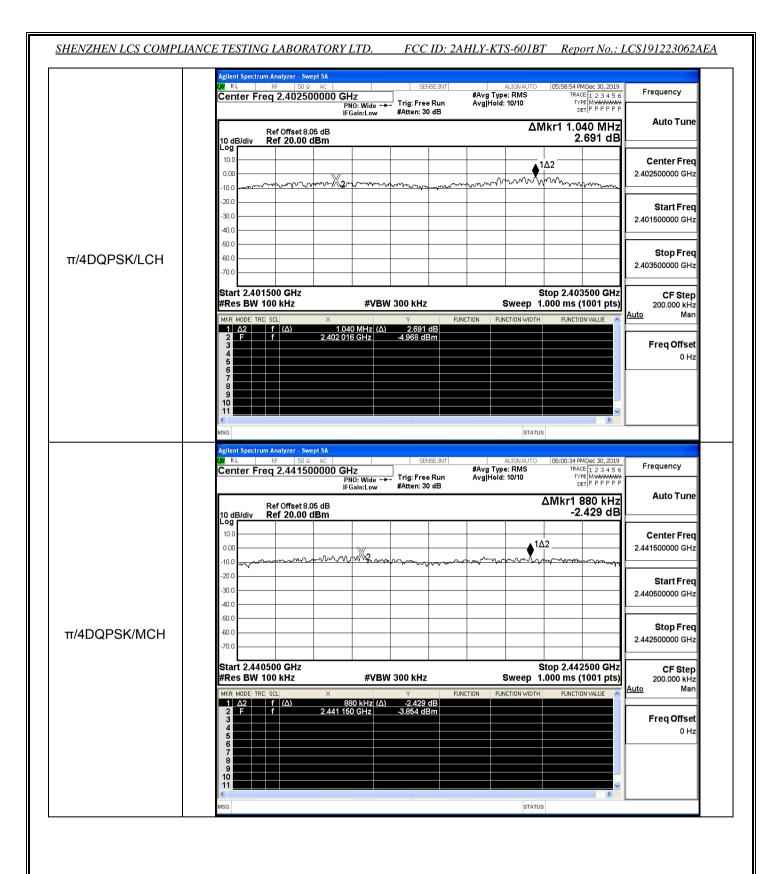
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AHLY-KTS-601BT Report No.: LCS191223062AEA Agilent Spectrum Analyzer - Occupied BW SENSE:INT ALIGNAUTO Center Freq: 2.480000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB 05:44:40 PMDec 30, 2019 Radio Std: None Frequency #IFGain:Low Radio Device: BTS Mkr1 2.480162 GHz Ref Offset 8.05 dB Ref 20.00 dBm -5.0824 dBm 10 dB/div Log 10.0 Center Freq 0.00 2.480000000 GHz 10.0 -20.0 -30.0 40.0 -50.0 -60.0 π/4DQPSK/HCH Center 2.48 GHz Span 2 MHz CF Step 200.000 kHz #Res BW 30 kHz **#VBW** 100 kHz Sweep 2.133 ms <u>Auto</u> Occupied Bandwidth **Total Power** 4.93 dBm 1.1719 MHz Freq Offset 0 Hz Transmit Freg Error -2.730 kHz **OBW Power** 99.00 % 1.290 MHz x dB Bandwidth x dB -20.00 dB STATUS

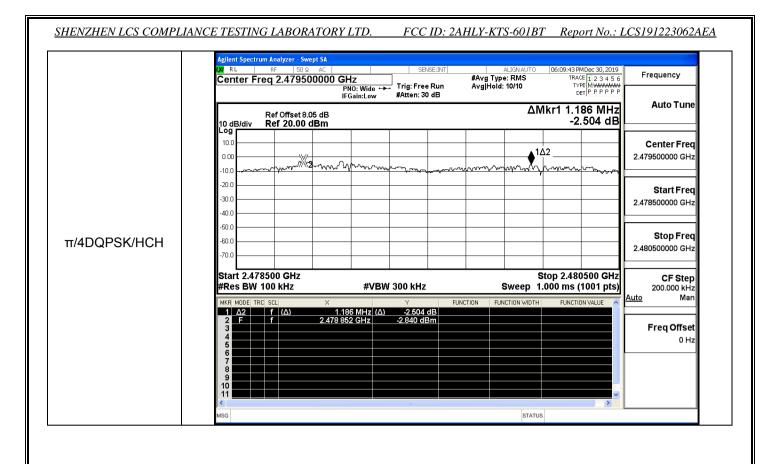
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	0.758	0.686	PASS
GFSK	MCH	0.848	0.686	PASS
	HCH	0.884	0.686	PASS
	LCH	1.040	0.873	PASS
π/4DQPSK	MCH	0.880	0.873	PASS
	НСН	1.186	0.873	PASS



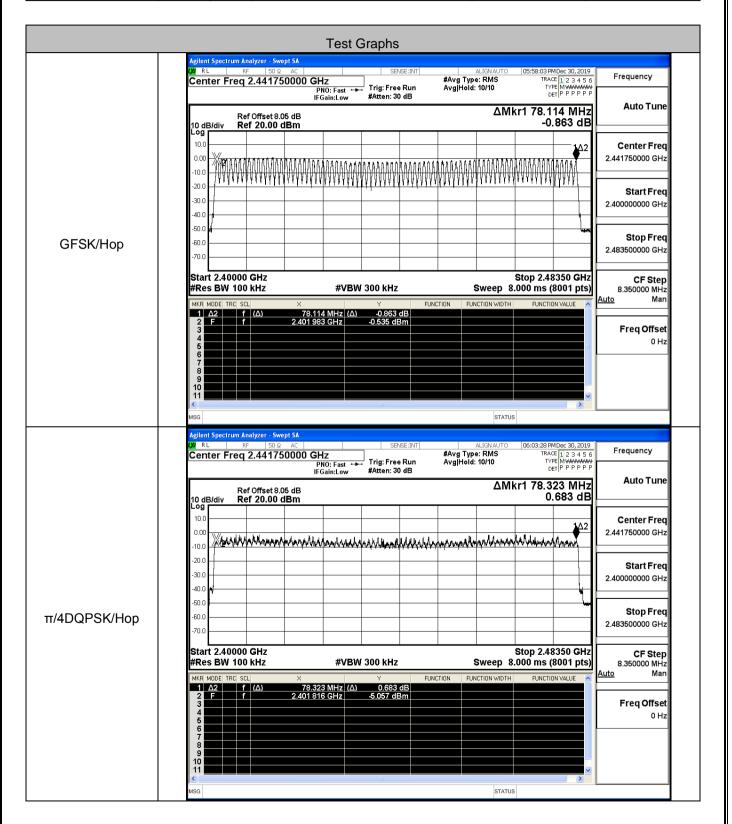






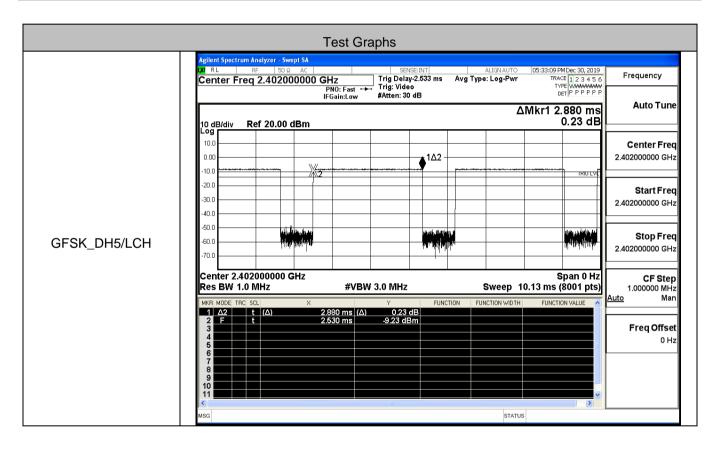
A.4 Hopping Channel Number

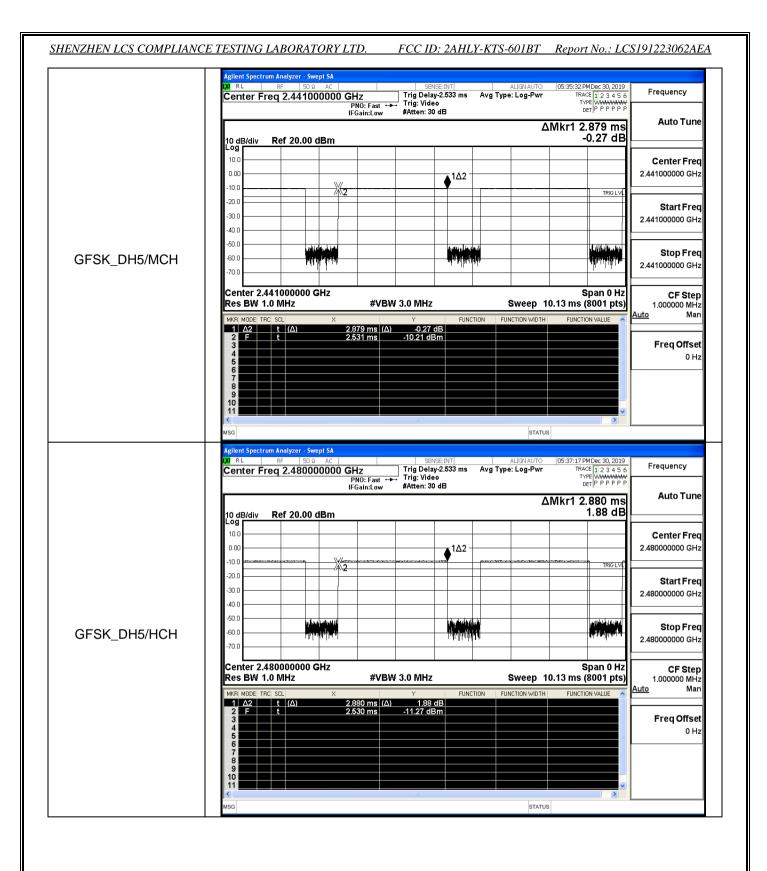
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop 79		>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS

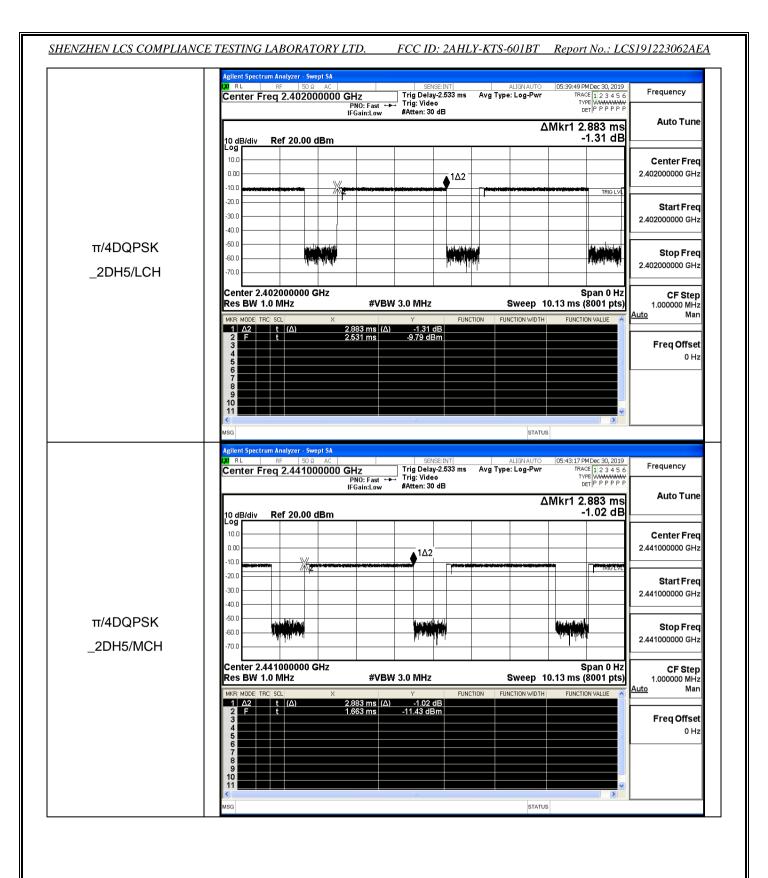


A.5 Dwell Time

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	HCH	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	НСН	2.88	106.7	0.307	0.4	PASS



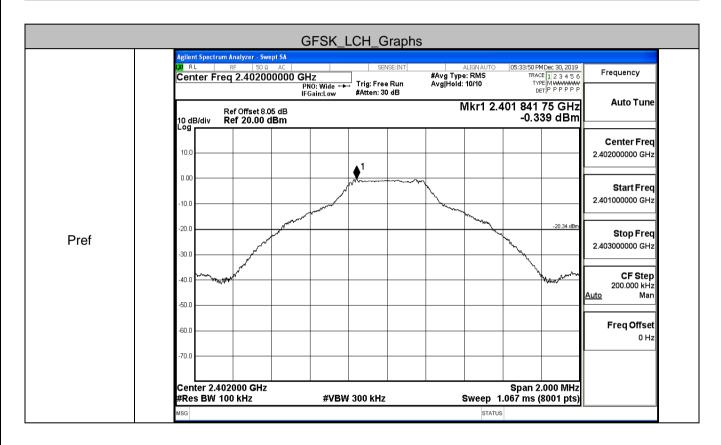




SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AHLY-KTS-601BT Report No.: LCS191223062AEA Frequency Auto Tune ΔMkr1 2.884 ms -0.87 dB 10 dB/div Ref 20.00 dBm 10.0 Center Freq 0.00 2.480000000 GHz -10.0 -20.0 Start Freq -30.0 2.480000000 GHz -40.0 -50.0 π/4DQPSK Stop Freq -60.0 2.480000000 GHz 2DH5/HCH -70.0 Center 2.480000000 GHz Res BW 1.0 MHz Span 0 Hz CF Step 1.000000 MHz Man Sweep 10.13 ms (8001 pts) **#VBW 3.0 MHz** <u>Auto</u> FUNCTION FUNCTION WIDTH FUNCTION VALUE 2.884 ms (Δ) -0.87 dB 699.2 μs -11.70 dBm Freq Offset 0 Hz STATUS

A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.339	-37.046	-20.339	PASS
GFSK	MCH	-2.17	-38.230	-22.170	PASS
	HCH	-1.079	-37.820	-21.079	PASS
π/4DQPSK	LCH	-1.683	-37.813	-21.683	PASS
	MCH	-3.356	-37.308	-23.356	PASS
	НСН	-2.225	-37.881	-22.225	PASS



SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AHLY-KTS-601BT Report No.: LCS191223062AEA Agilent Spectrum Analyzer - Swept SA 05:34:05 PMDec 30, 2019 TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET P P P P P P #Avg Type: RMS Avg|Hold: 3/10 Frequency Mkr2 24.791 GHz -37.046 dBm Auto Tune Ref Offset 8.05 dB Ref 20.00 dBm 10 dB/div Log Center Freq 10.0 12.515000000 GHz 0.00 Start Freq 30.000000 MHz -10.0 20.34 dBn -20.0 Stop Freq Puw 25.000000000 GHz **CF Step** 2.497000000 GHz <u>Auto</u> Man 40.0 <u>Auto</u> -50.0

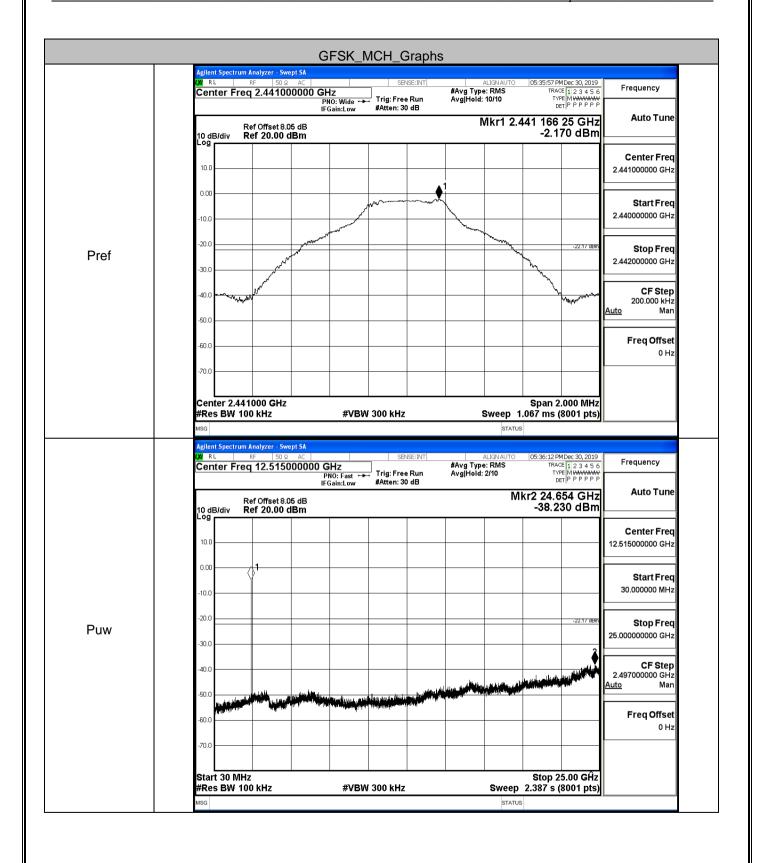
#VBW 300 kHz

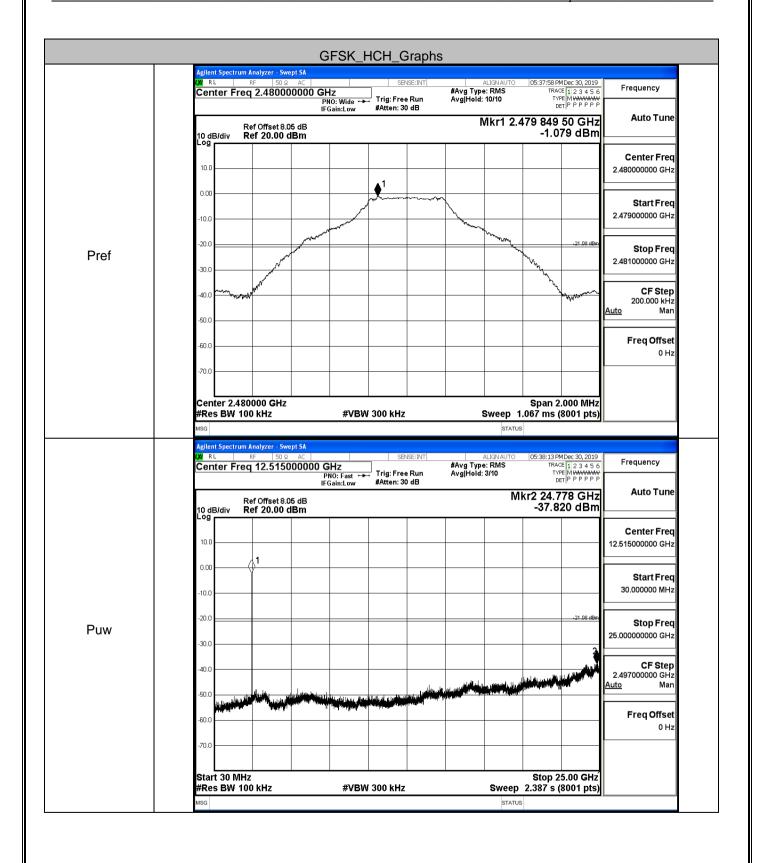
-60.0

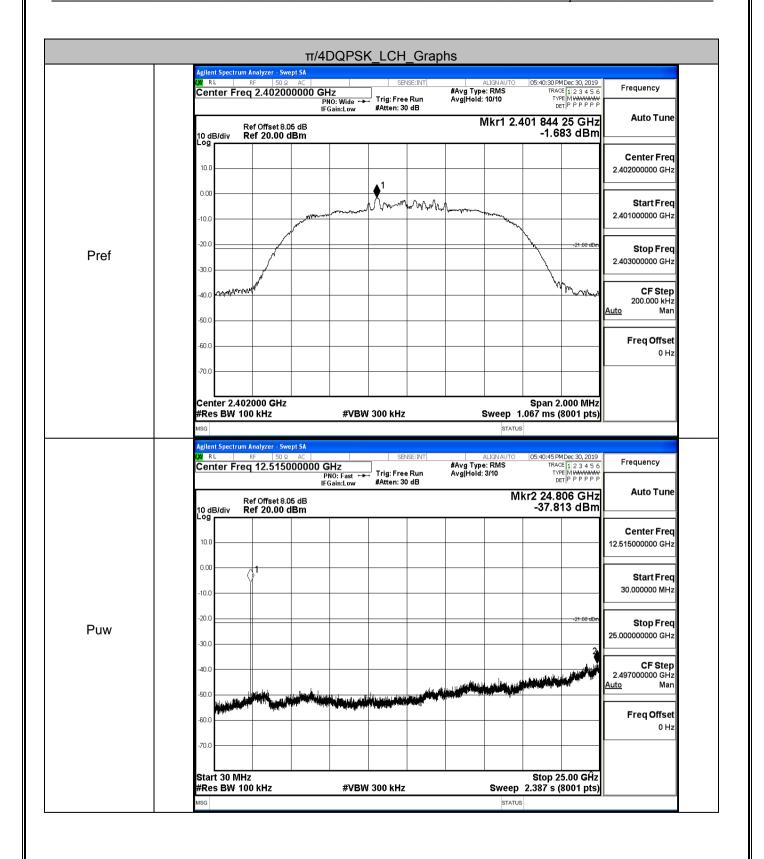
-70.0

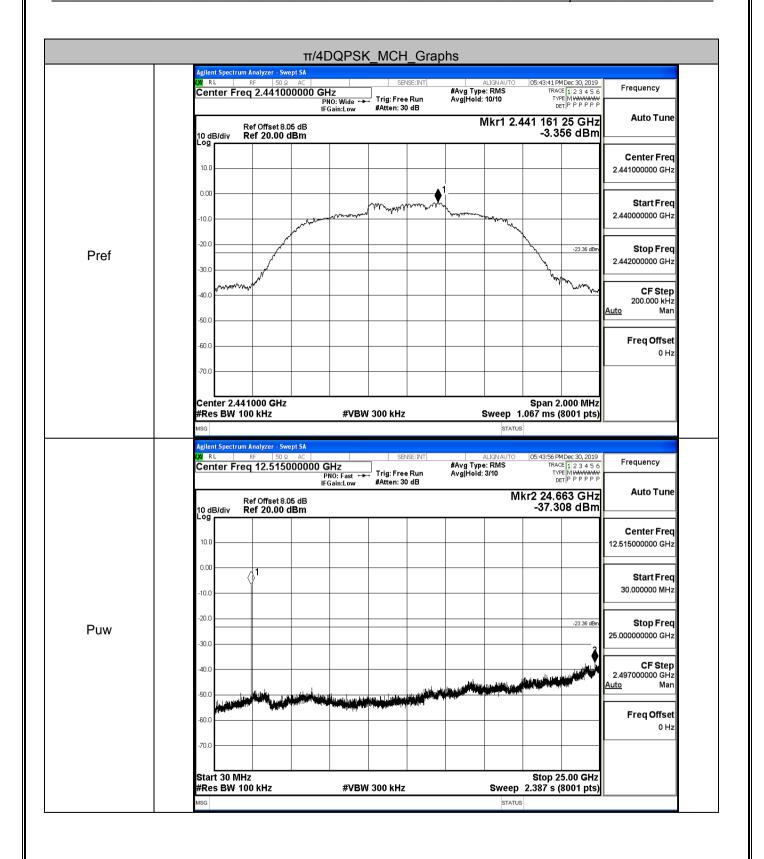
Start 30 MHz #Res BW 100 kHz Freq Offset

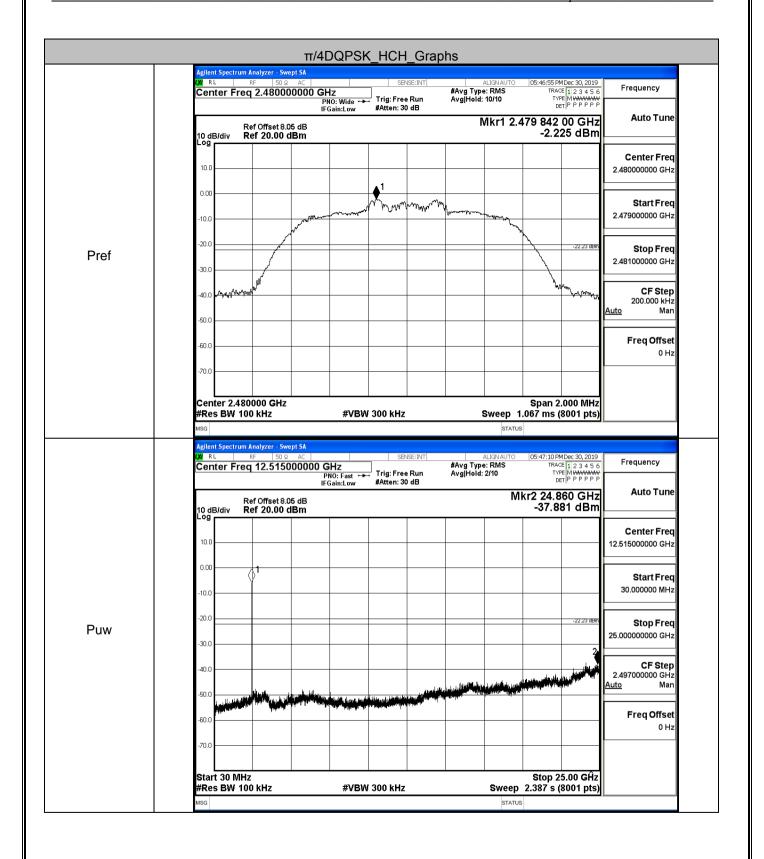
Stop 25.00 GHz Sweep 2.387 s (8001 pts) 0 Hz





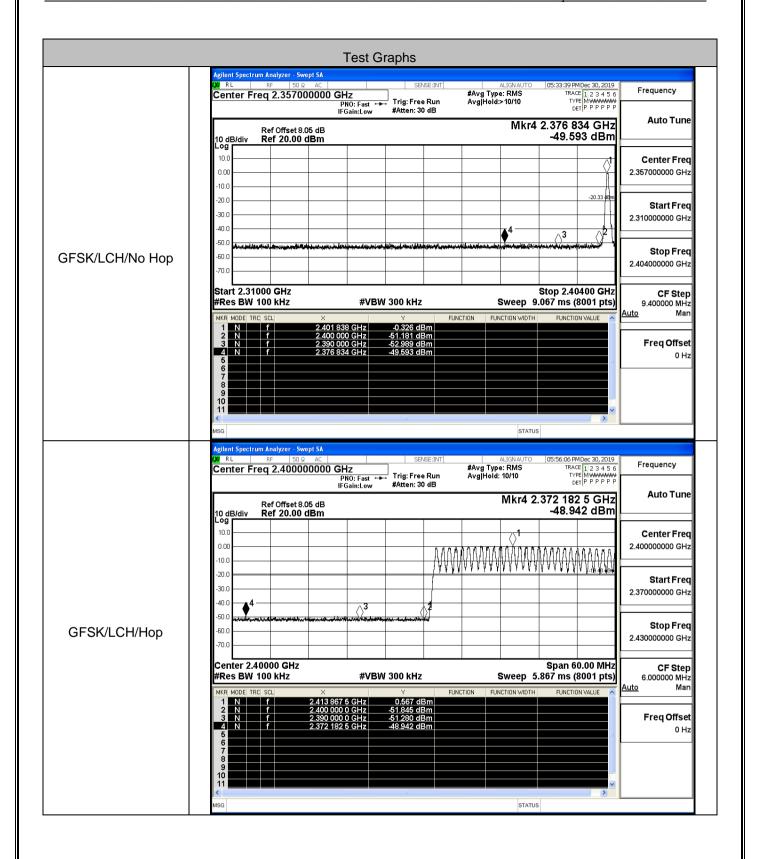






A.7 Band-edge for RF Conducted Emissions

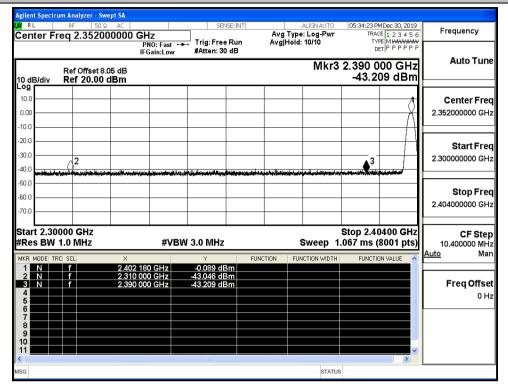
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict	
			-0.326	Off	-49.593	-20.33	PASS	
0.5014	LCH	2402	0.567	On	-48.942	-19.43	PASS	
GFSK				-0.856	Off	-49.144	-20.86	PASS
HCH	HCH	2480	0.177	On	-49.213	-19.82	PASS	
	LCH 2402		-1.564	Off	-49.495	-21.56	PASS	
π/4DQPSK		2402	-0.828	On	-48.934	-20.83	PASS	
		2480	-2.285	Off	-48.332	-22.29	PASS	
	HCH		-1.308	On	-48.668	-21.31	PASS	



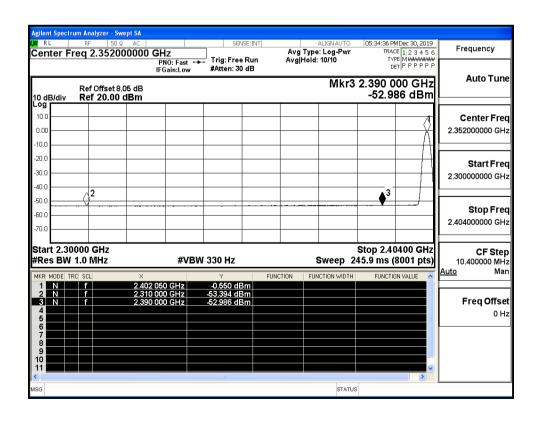
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.05	2.0	0	54.21	PEAK	74	PASS
	Off	2310.0	-53.39	2.0	0	43.86	AV	54	PASS
	Off	2390.0	-43.21	2.0	0	54.05	PEAK	74	PASS
	Off	2390.0	-52.99	2.0	0	44.27	AV	54	PASS
GFSK	Off	2483.5	-42.92	2.0	0	54.34	PEAK	74	PASS
	Off	2483.5	-52.47	2.0	0	44.79	AV	54	PASS
	Off	2500.0	-42.31	2.0	0	54.95	PEAK	74	PASS
	Off	2500.0	-52.14	2.0	0	45.12	AV	54	PASS
	Off	2310.0	-43.93	2.0	0	53.33	PEAK	74	PASS
	Off	2310.0	-53.36	2.0	0	43.90	AV	54	PASS
	Off	2390.0	-42.99	2.0	0	54.27	PEAK	74	PASS
	Off	2390.0	-52.98	2.0	0	44.28	AV	54	PASS
π/4DQPSK	Off	2483.5	-41.31	2.0	0	55.95	PEAK	74	PASS
	Off	2483.5	-52.34	2.0	0	44.92	AV	54	PASS
	Off	2500.0	-42.08	2.0	0	55.18	PEAK	74	PASS
	Off	2500.0	-52.37	2.0	0	44.89	AV	54	PASS

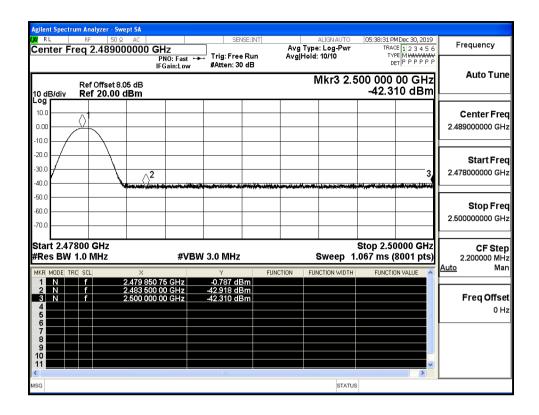




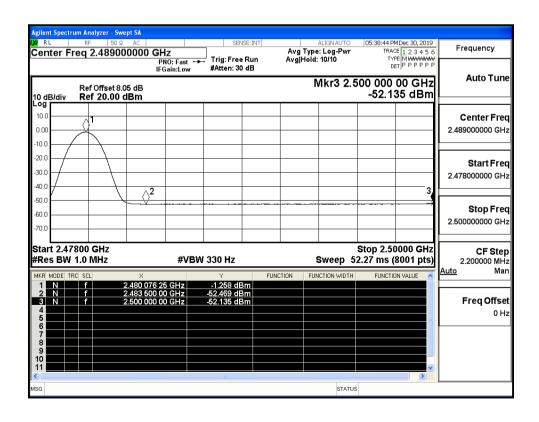
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



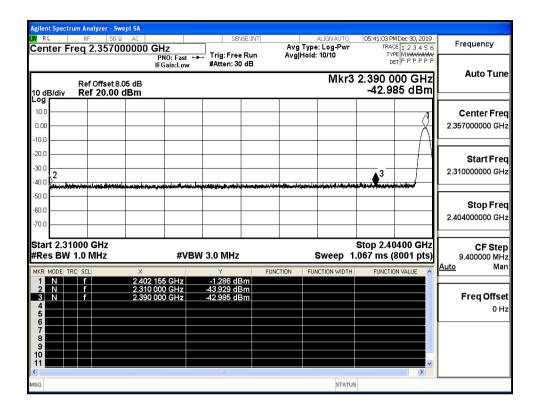
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



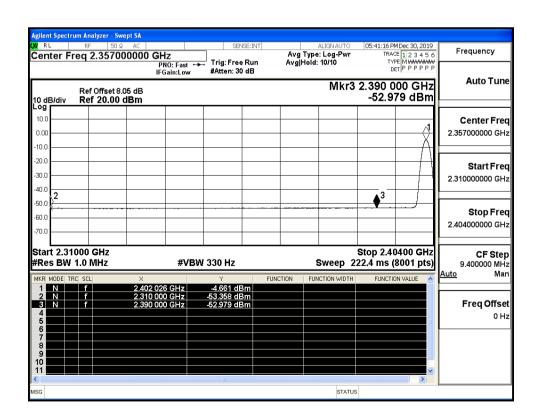
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



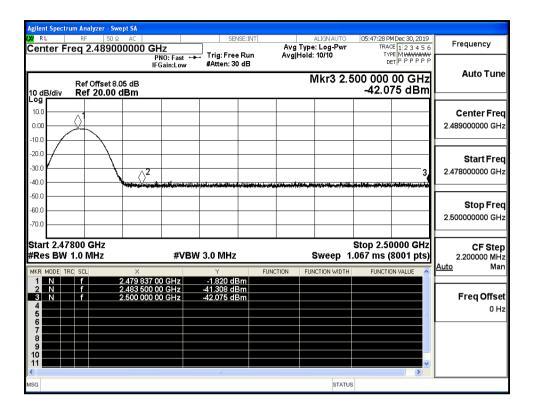
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



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)

