Appendix A

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

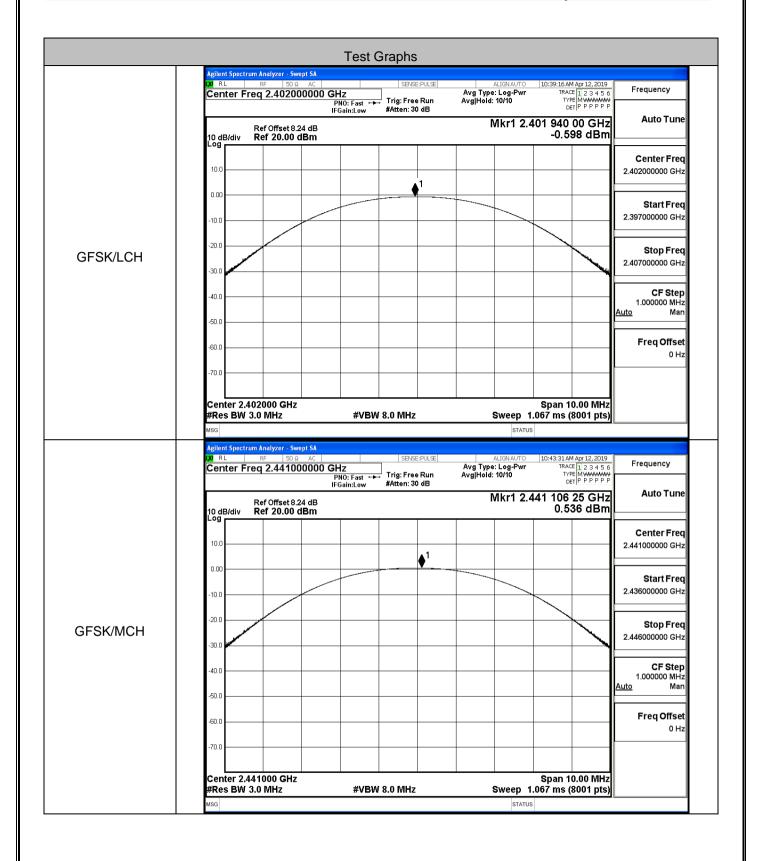
Product Name: LED Vanity Mirror+Speaker Trade Mark: atomi Test Model: AT1350

Environmental Conditions

_	
Temperature:	24.2 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Tom.Liu

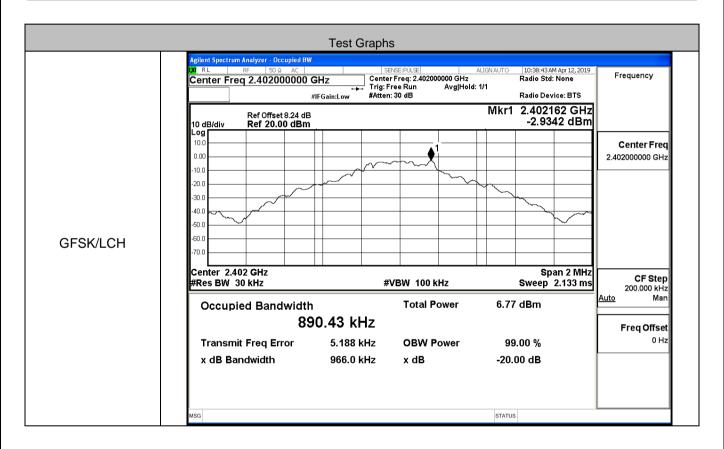
A.1 Maxmum Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
	LCH	-0.598	21	PASS
GFSK	MCH	0.536	21	PASS
	НСН	-0.155	21	PASS
	LCH	-1.215	21	PASS
π/4DQPSK	MCH	MCH -0.113		PASS
	НСН	-0.788	21	PASS



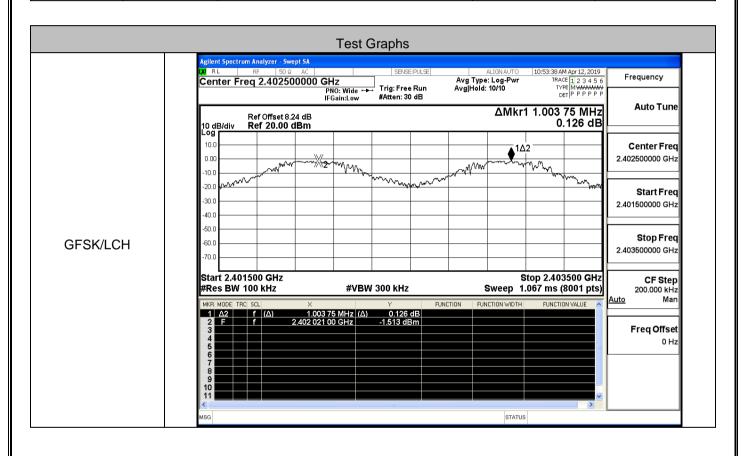
A.2 20dB Bandwidth

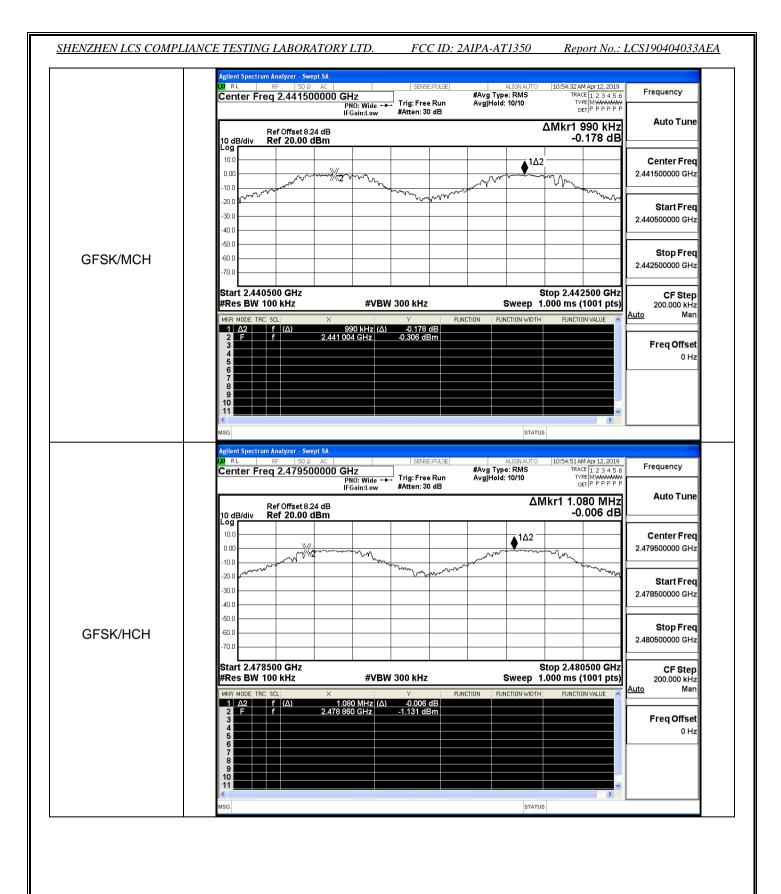
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	0.9660	Not Specified	PASS
GFSK	MCH	1.026	Not Specified	PASS
	НСН	1.026	Not Specified	PASS
	LCH	1.293	Not Specified	PASS
π/4DQPSK	MCH	1.293	Not Specified	PASS
	НСН	1.292	Not Specified	PASS

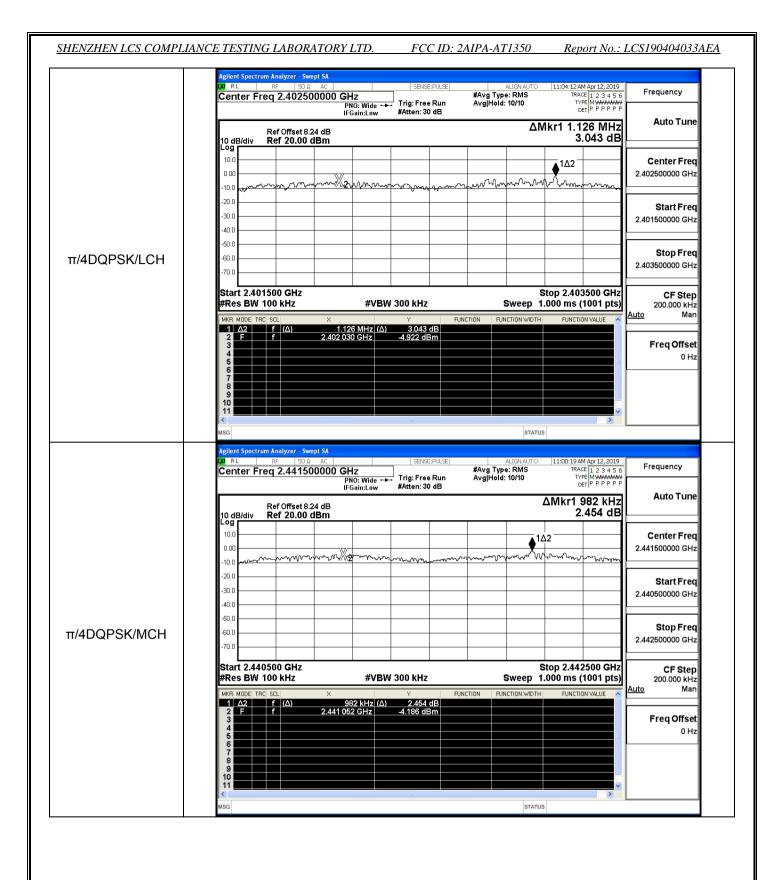


A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
	LCH	1.004	0.684	PASS
GFSK	MCH	0.990	0.684	PASS
	HCH	1.080	0.684	PASS
	LCH	1.126	0.862	PASS
π/4DQPSK	MCH	0.982	0.862	PASS
	HCH	0.986	0.862	PASS

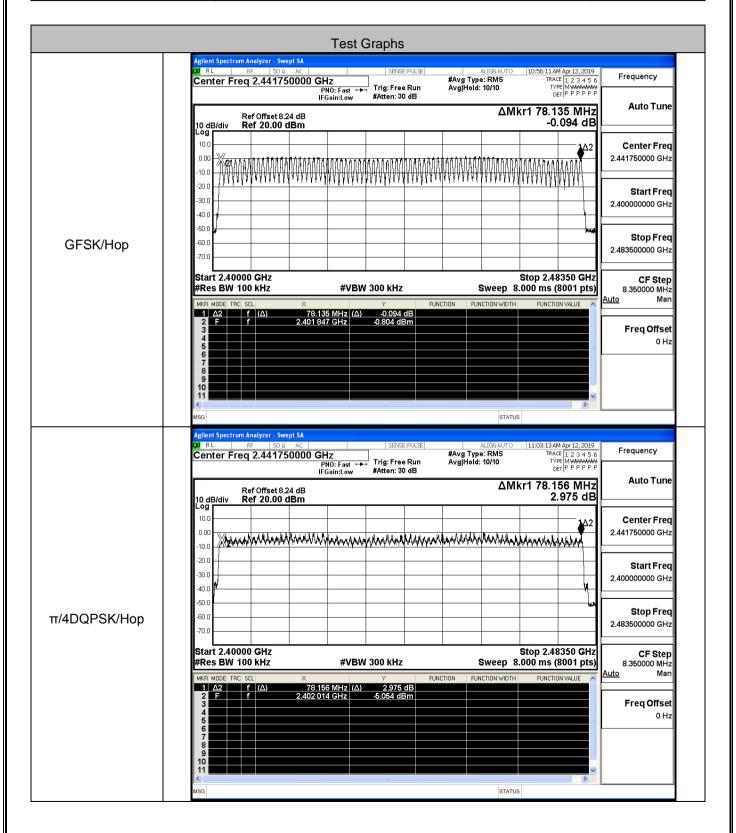






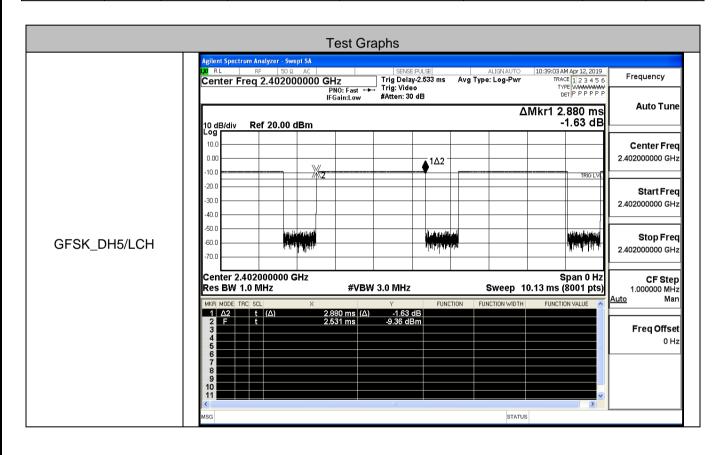
A.4 Hopping Channel Number

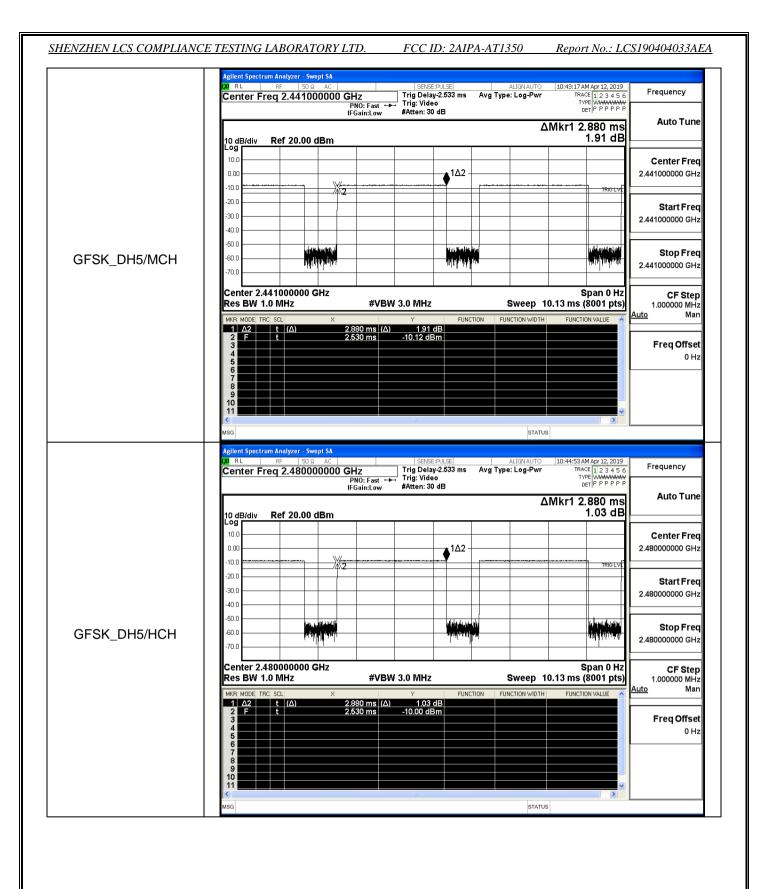
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Нор	79	>=15	PASS
π/4DQPSK	Нор	79	>=15	PASS

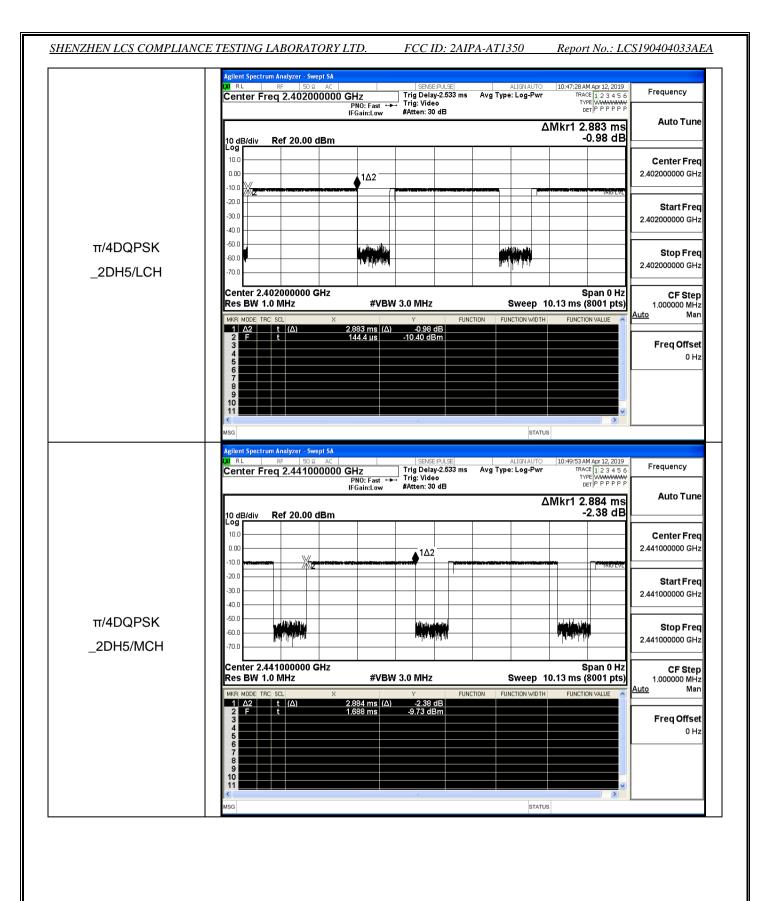


A.5 Dwell Time

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





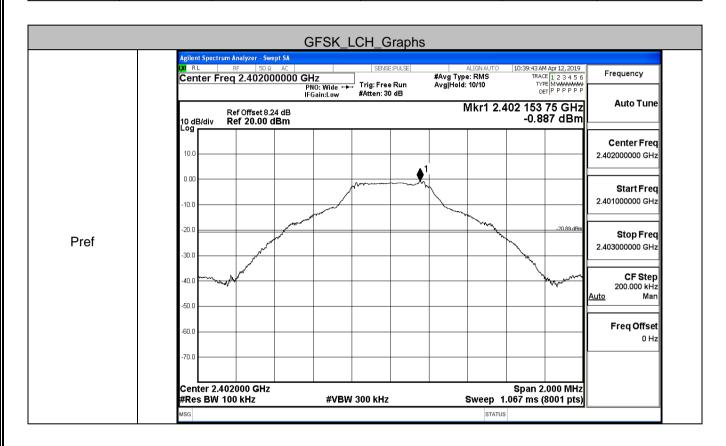


SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIPA-AT1350 Report No.: LCS190404033AEA Agilent Spectrum Analyzer - Swept SA

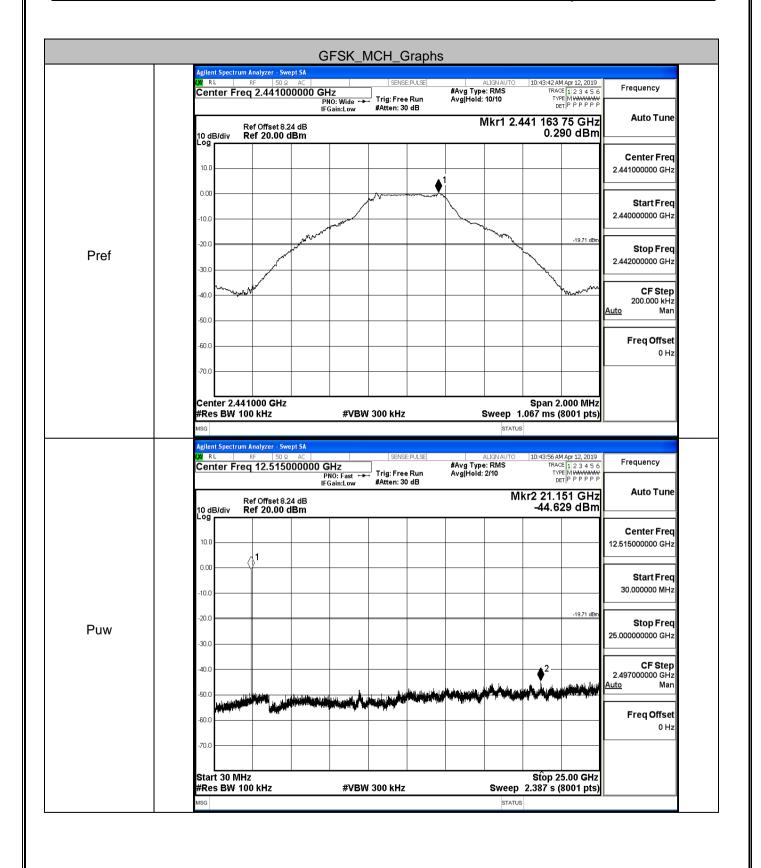
| M | RL | RF | SO Q | AC |
| Center Freq 2.480000000 GHz
| PNO: Fast | FGain:Low Frequency **Auto Tune** ΔMkr1 2.883 ms -1.49 dB 10 dB/div Ref 20.00 dBm 10.0 Center Freq 0.00 2.480000000 GHz <u></u>1Δ2 -10.0 -20.0 Start Freq -30.0 2.480000000 GHz -40.0 -50.0 π/4DQPSK Stop Freq -60.0 2.480000000 GHz 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 2.883 ms (Δ) 2.531 ms -1.49 dB -9.88 dBm Freq Offset 0 Hz STATUS

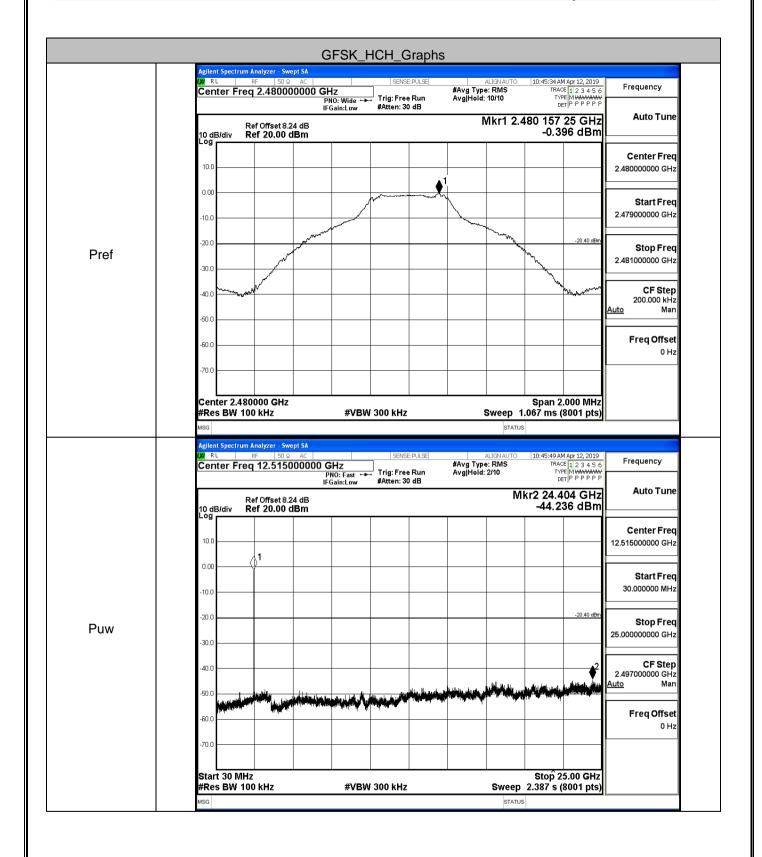
A.6 RF Conducted Spurious Emissions

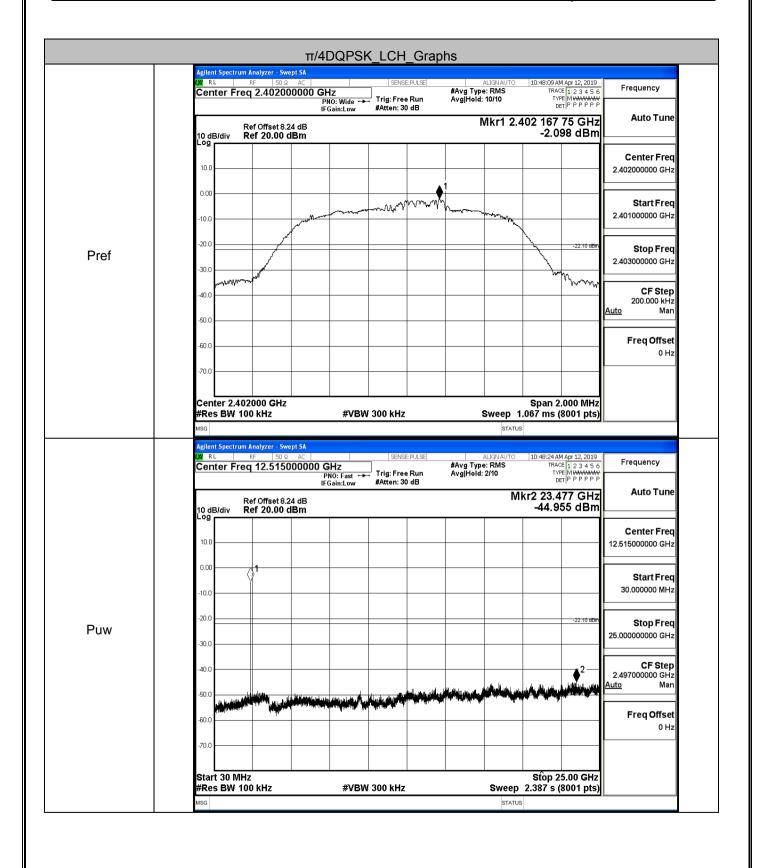
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.887	-44.097	-20.887	PASS
GFSK	MCH	0.29	-44.629	-19.710	PASS
	HCH	-0.396	-44.236	-20.396	PASS
	LCH	-2.098	-44.955	-22.098	PASS
π/4DQPSK	MCH	-1.086	-44.174	-21.086	PASS
	НСН	-1.977	-44.020	-21.977	PASS

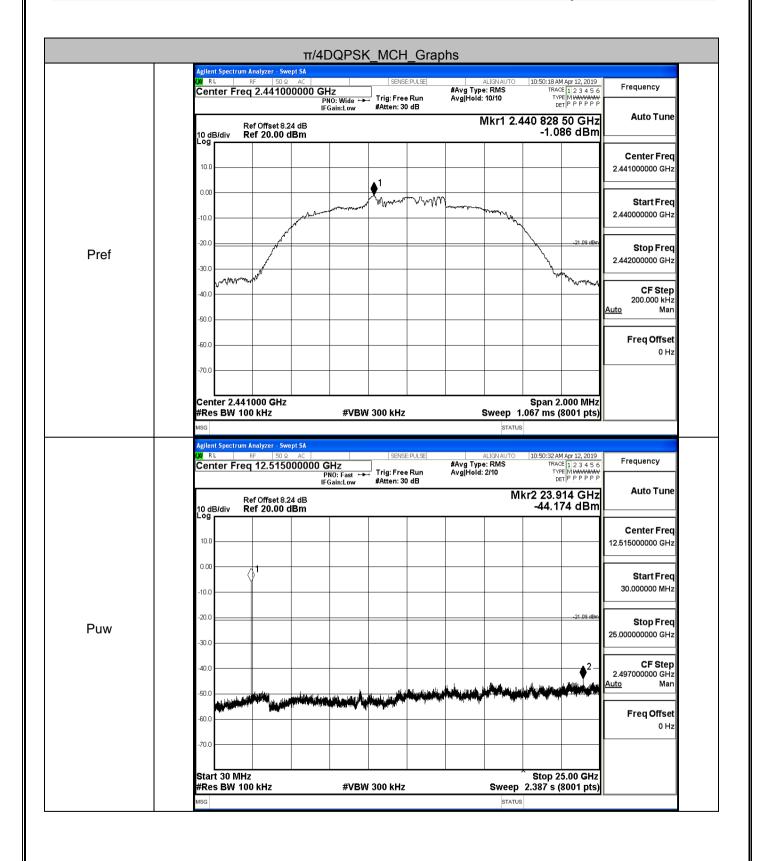


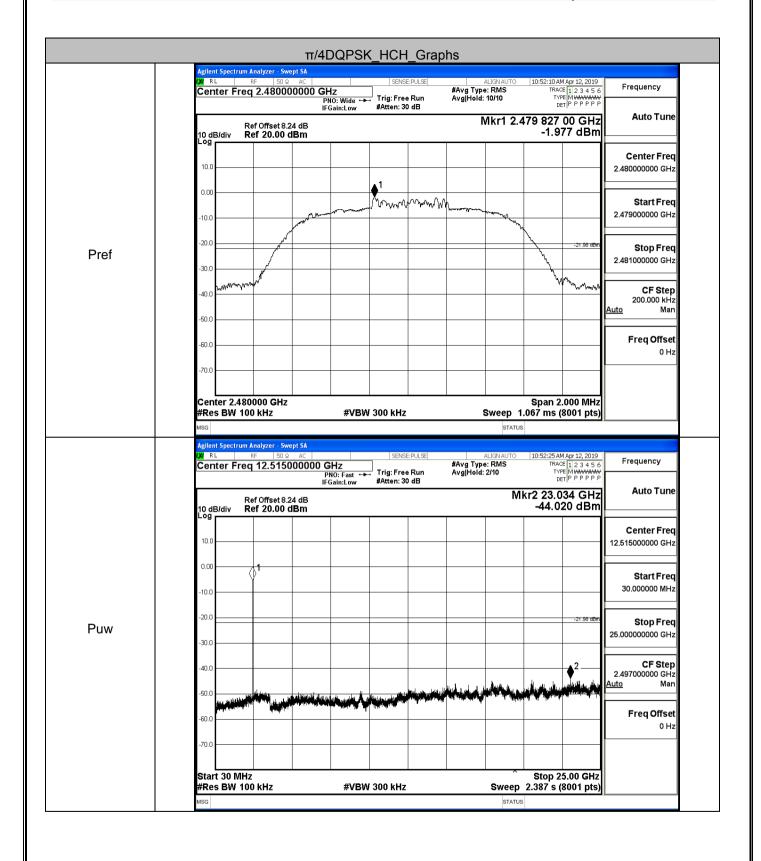
STATUS





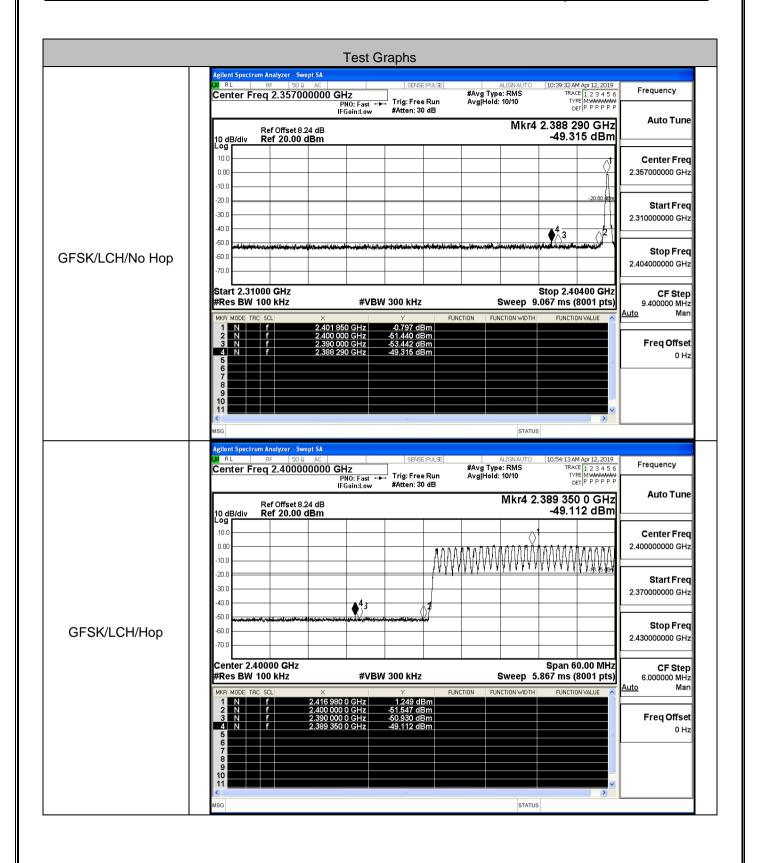


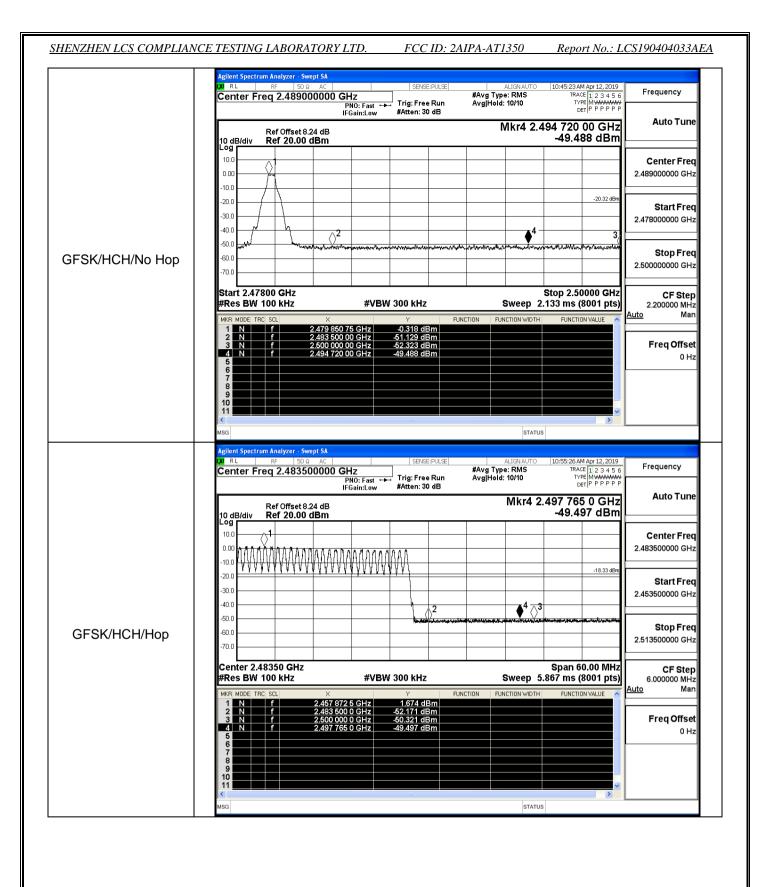


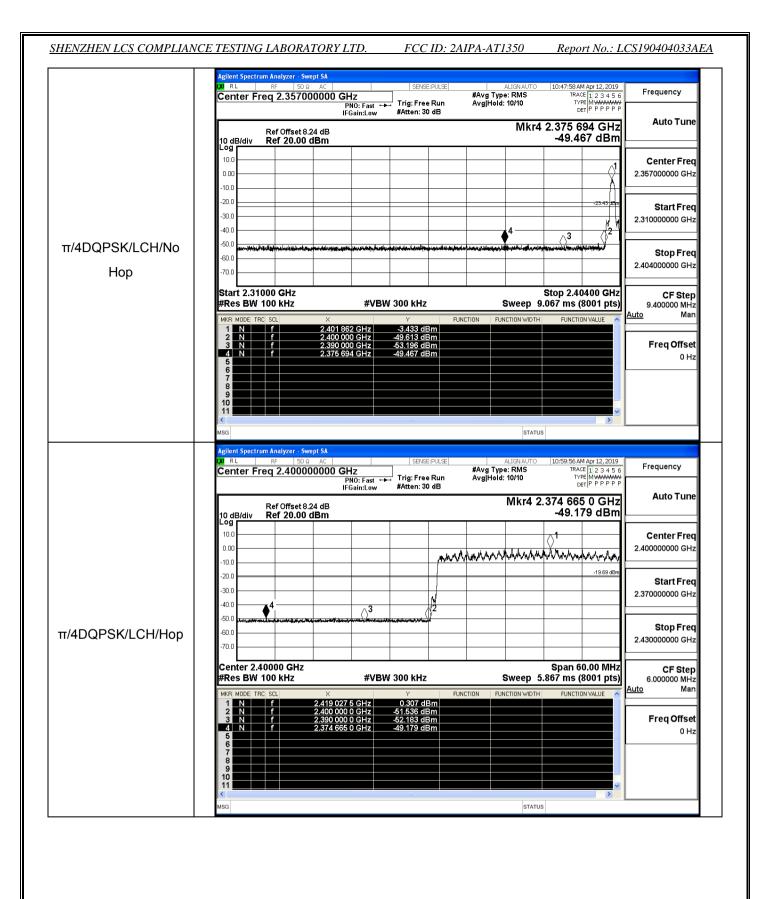


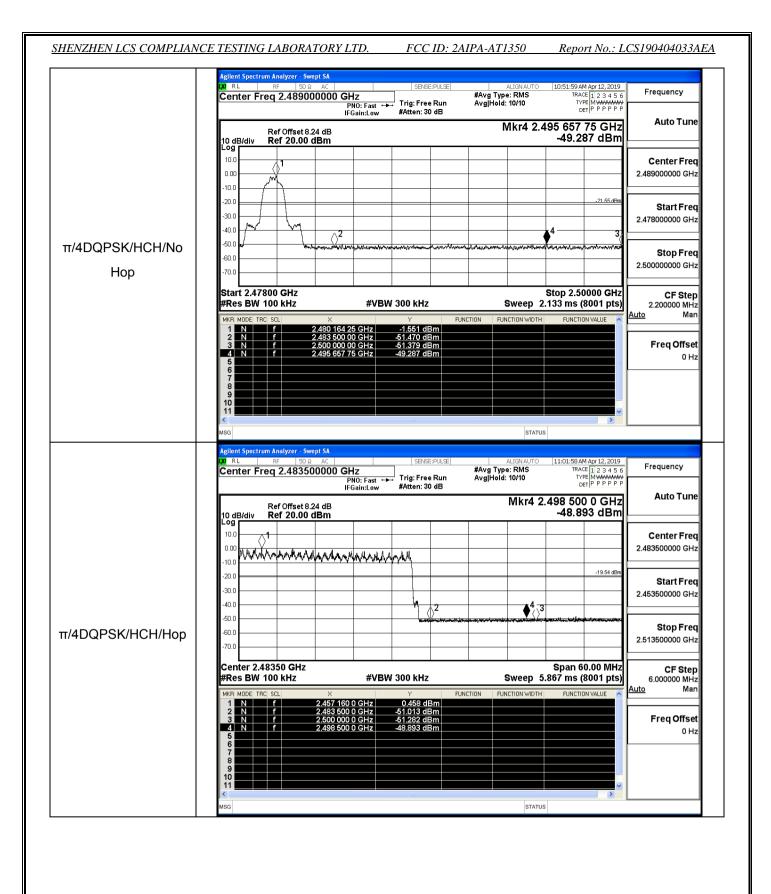
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
		0.400	-0.797	Off	-49.315	-20.8	PASS
0.5014	LCH	2402	1.249	On	-49.112	-18.75	PASS
GFSK		2480	-0.318	Off	-49.488	-20.32	PASS
	HCH		1.674	On	-49.497	-18.33	PASS
			-3.433	Off	-49.467	-23.43	PASS
π/4DQPSK	LCH	2402	0.307	On	-49.179	-19.69	PASS
			-1.551	Off	-49.287	-21.55	PASS
	HCH	2480	0.458	On	-48.893	-19.54	PASS



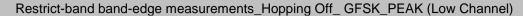


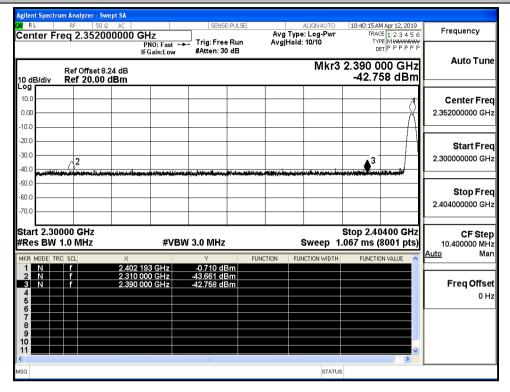




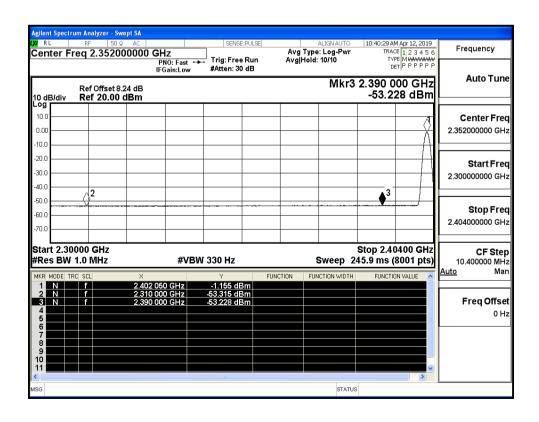
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-43.66	2.0	0	53.57	PEAK	74	PASS
	Off	2310.0	-53.32	2.0	0	43.91	AV	54	PASS
	Off	2390.0	-42.76	2.0	0	54.47	PEAK	74	PASS
	Off	2390.0	-53.23	2.0	0	44.00	AV	54	PASS
GFSK	Off	2483.5	-42.67	2.0	0	54.56	PEAK	74	PASS
	Off	2483.5	-52.75	2.0	0	44.48	AV	54	PASS
	Off	2500.0	-43.20	2.0	0	54.03	PEAK	74	PASS
	Off	2500.0	-52.78	2.0	0	44.45	AV	54	PASS
	Off	2310.0	-43.97	2.0	0	53.26	PEAK	74	PASS
	Off	2310.0	-53.46	2.0	0	43.77	AV	54	PASS
	Off	2390.0	-43.61	2.0	0	53.62	PEAK	74	PASS
	Off	2390.0	-52.88	2.0	0	44.35	AV	54	PASS
π/4DQPSK	Off	2483.5	-43.18	2.0	0	54.05	PEAK	74	PASS
	Off	2483.5	-52.86	2.0	0	44.37	AV	54	PASS
	Off	2500.0	-41.53	2.0	0	55.70	PEAK	74	PASS
	Off	2500.0	-52.66	2.0	0	44.57	AV	54	PASS

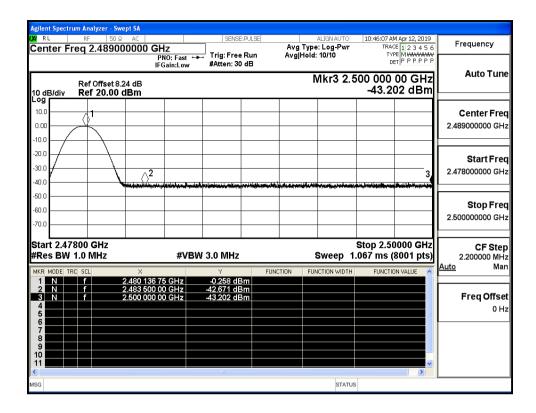




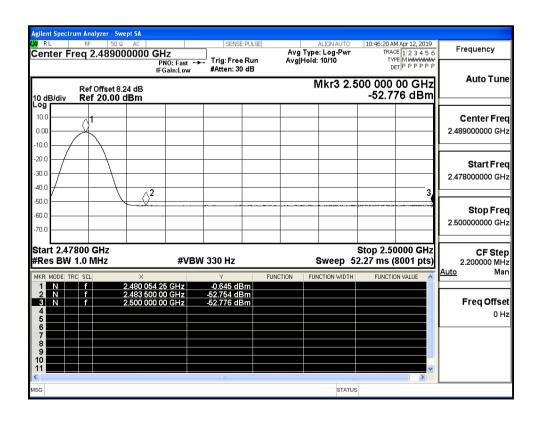
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



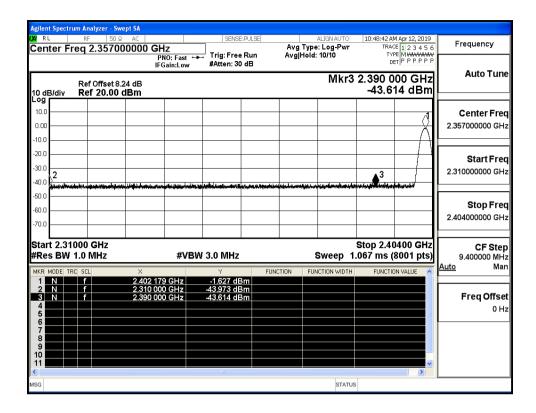
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



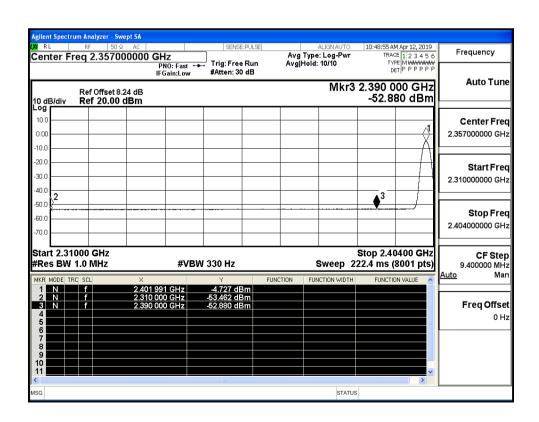
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



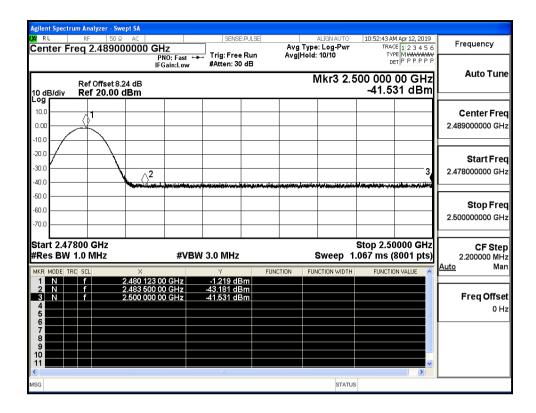
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



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)

