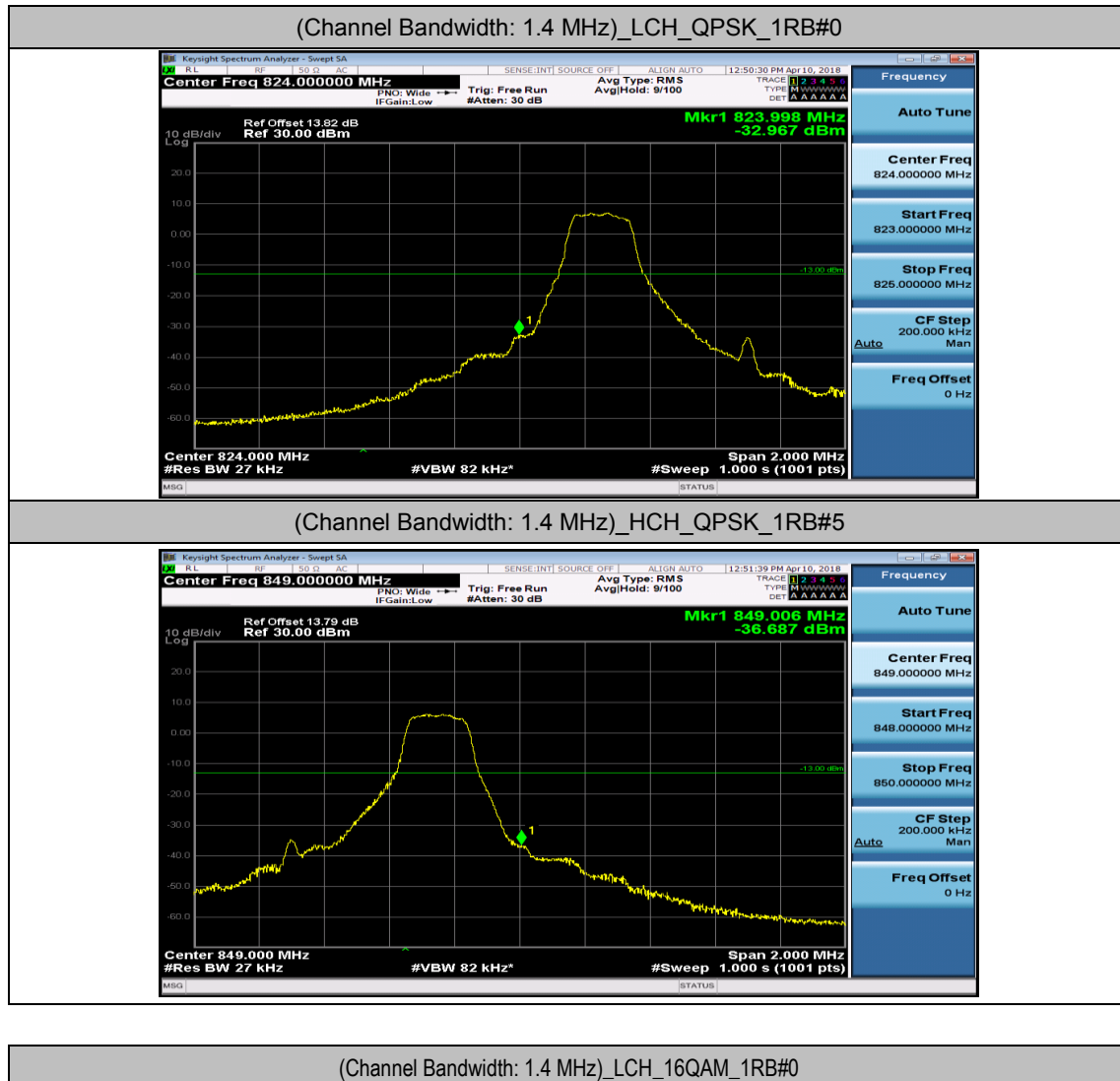


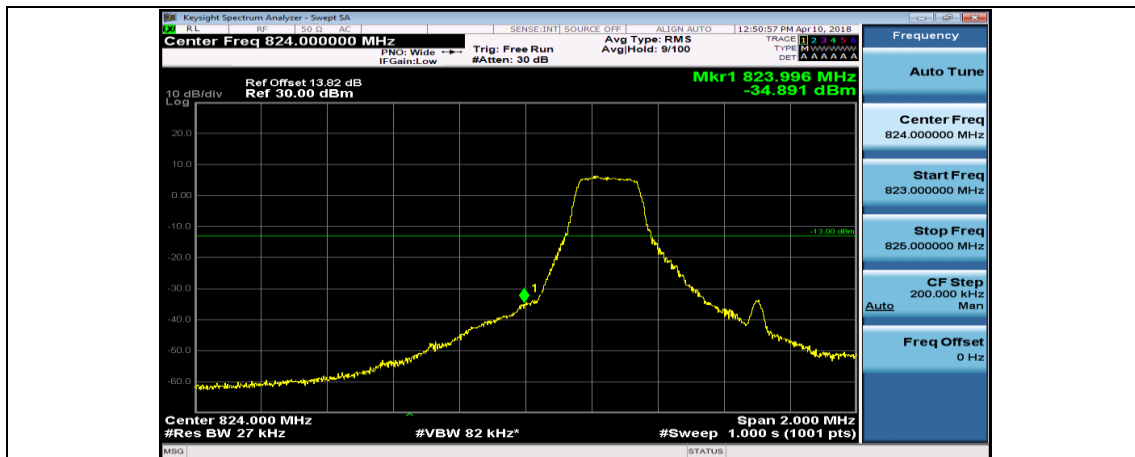


Appendix D: Band Edge

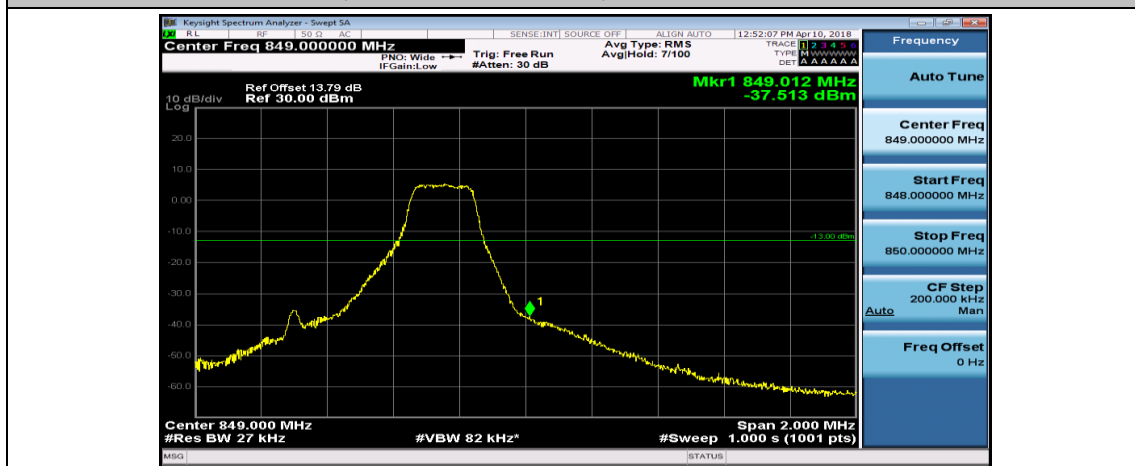
Test Graphs

Channel Bandwidth: 1.4 MHz

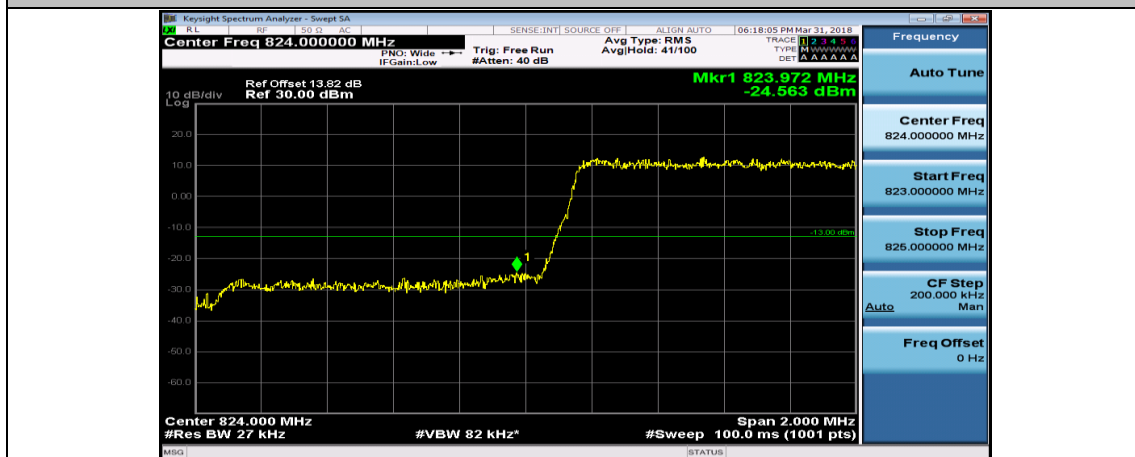




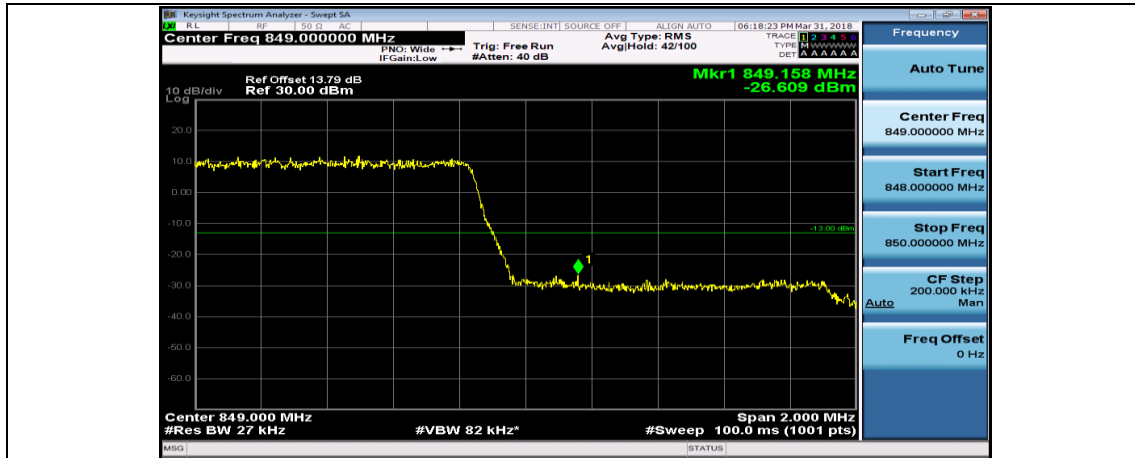
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



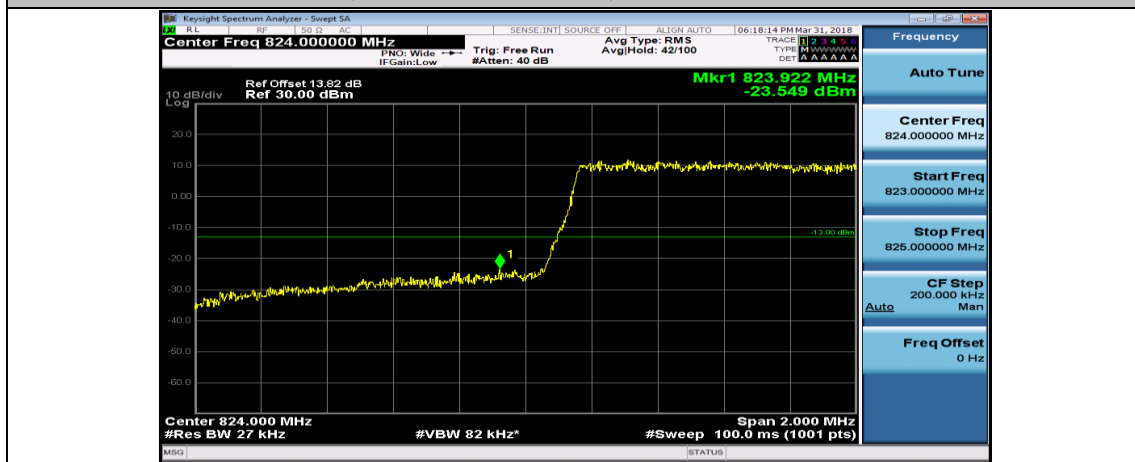
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



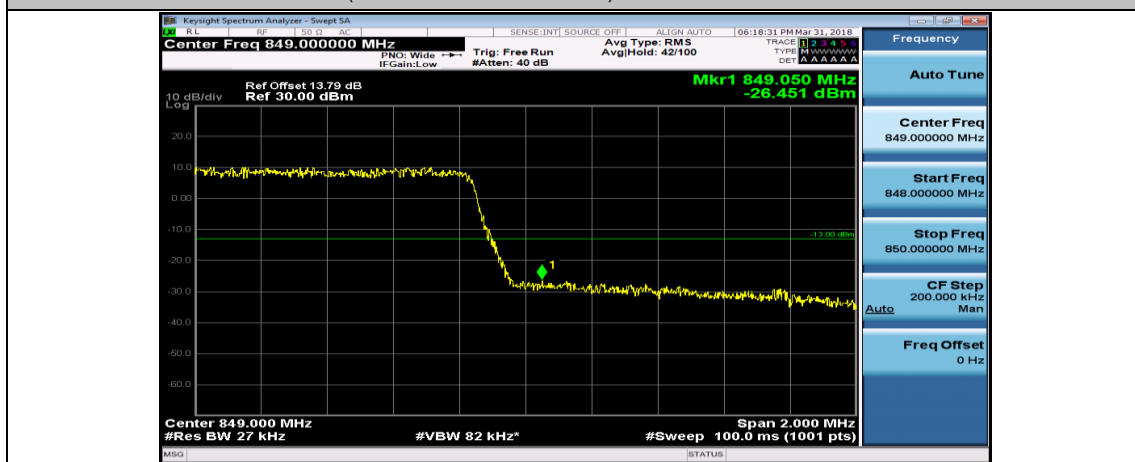
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



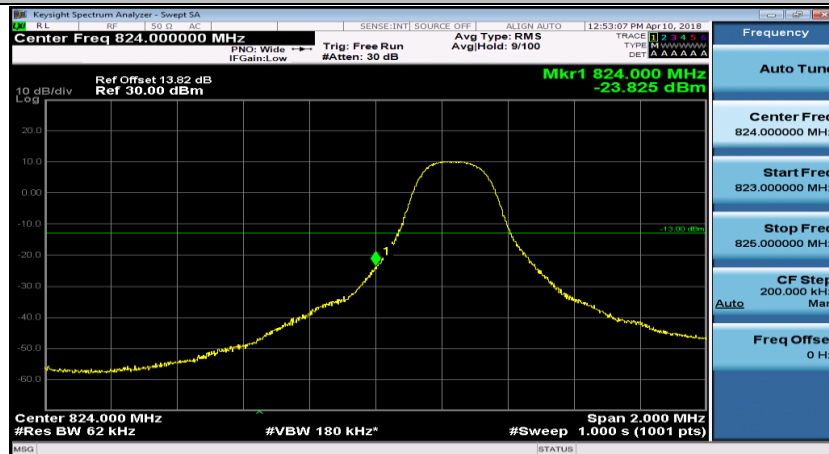
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



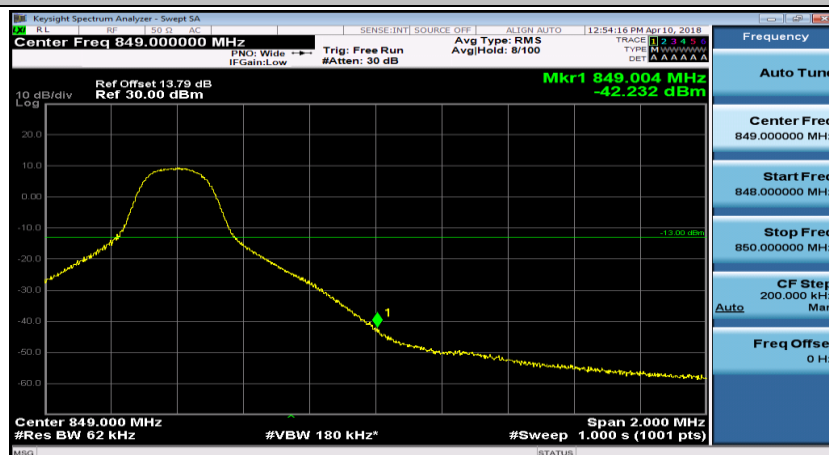


Channel Bandwidth: 3 MHz

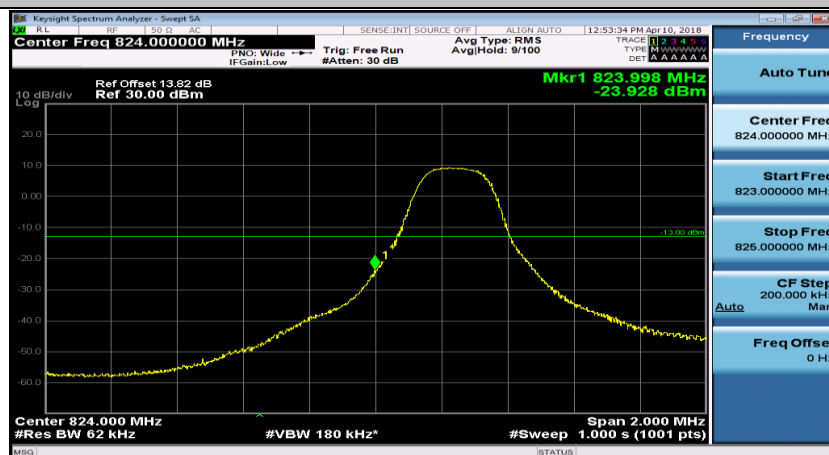
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



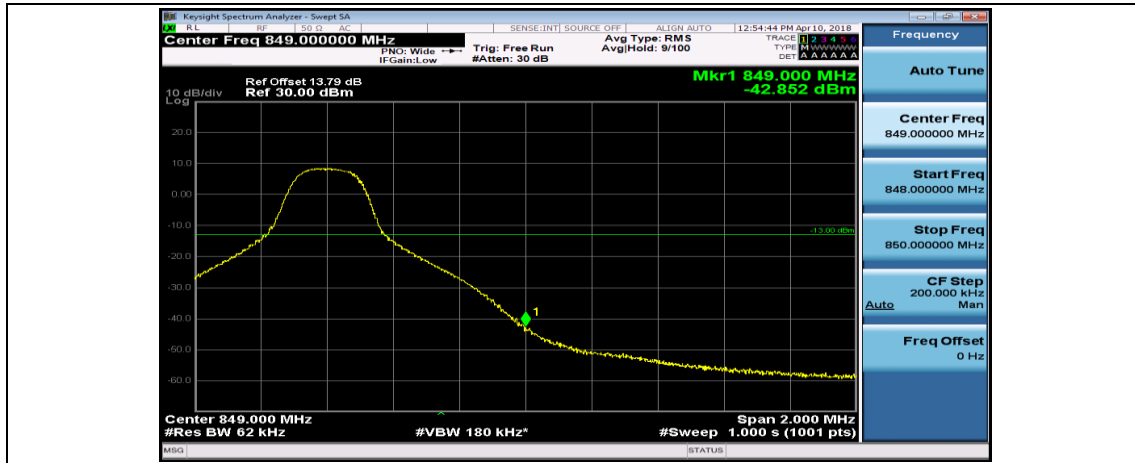
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



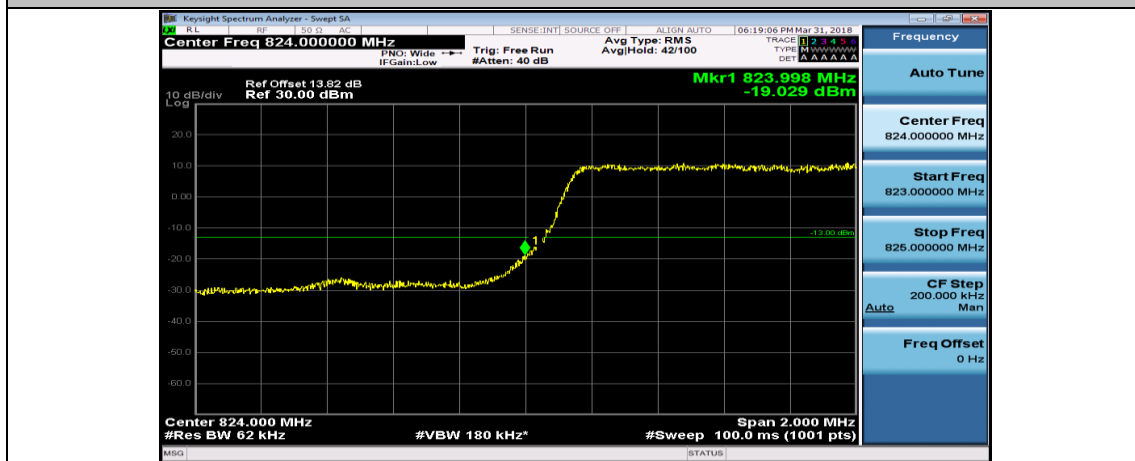
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



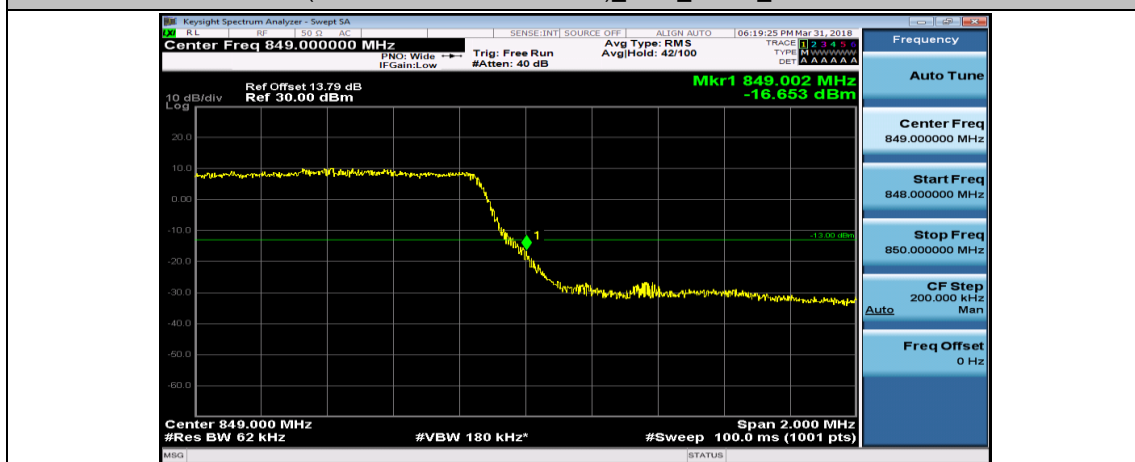
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



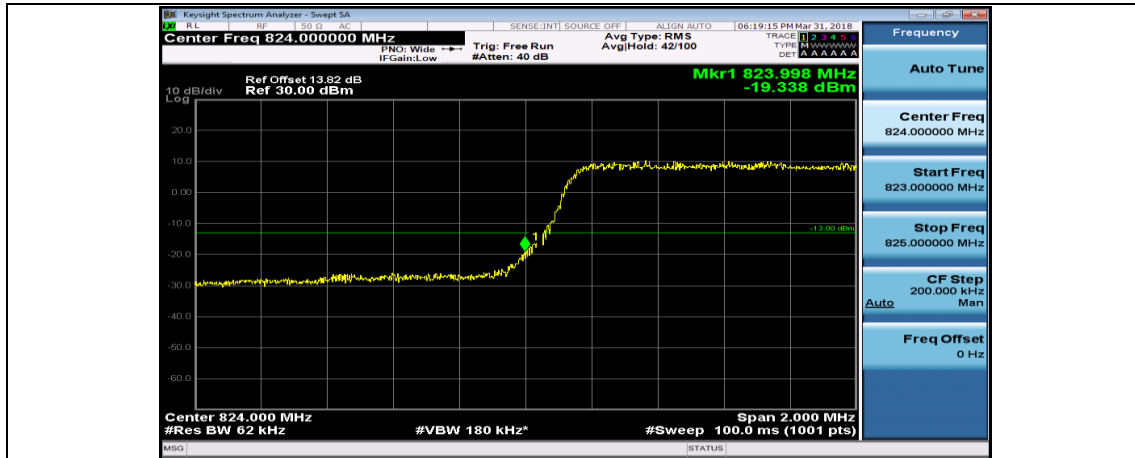
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



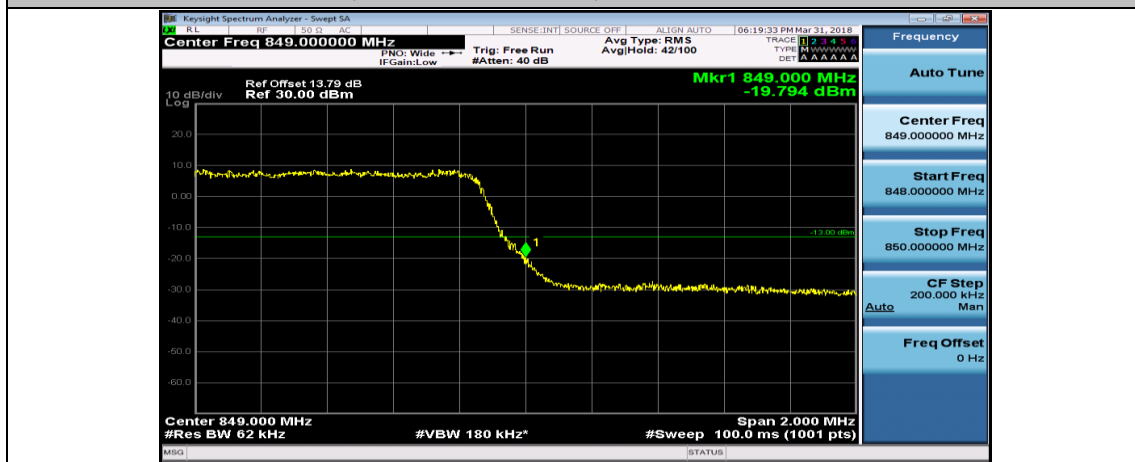
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

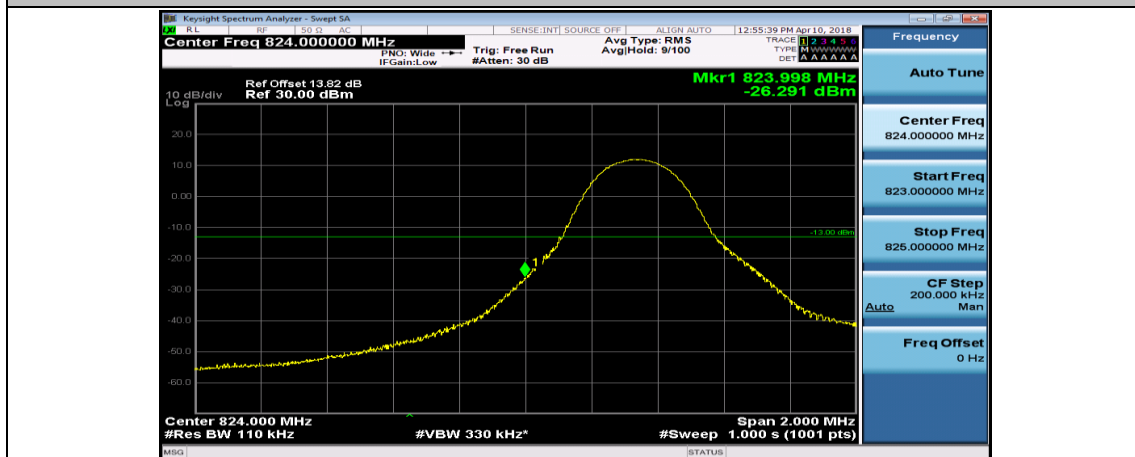


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

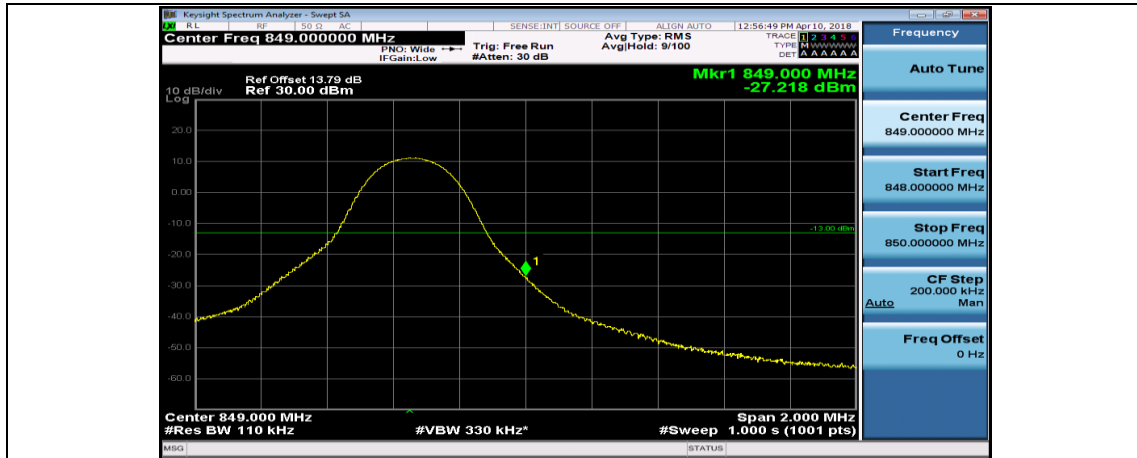


Channel Bandwidth: 5 MHz

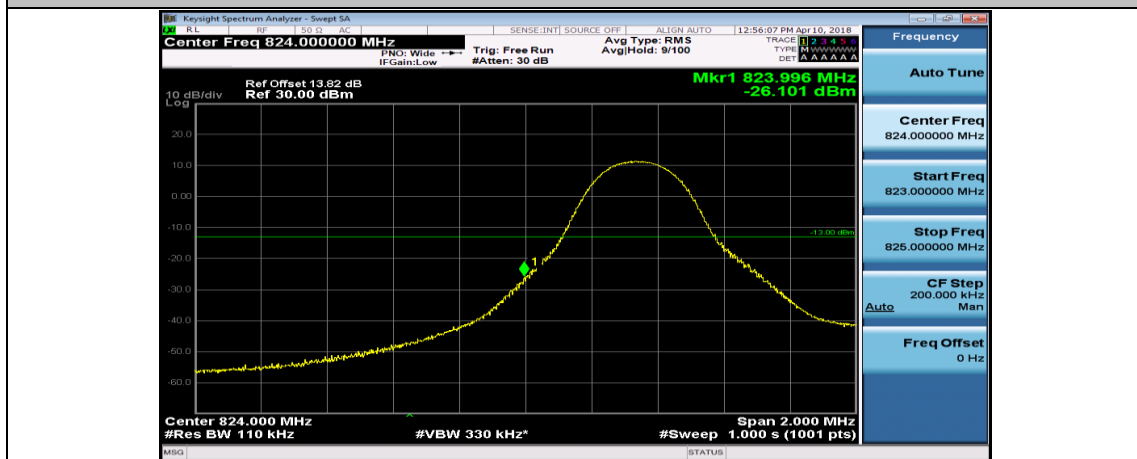
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



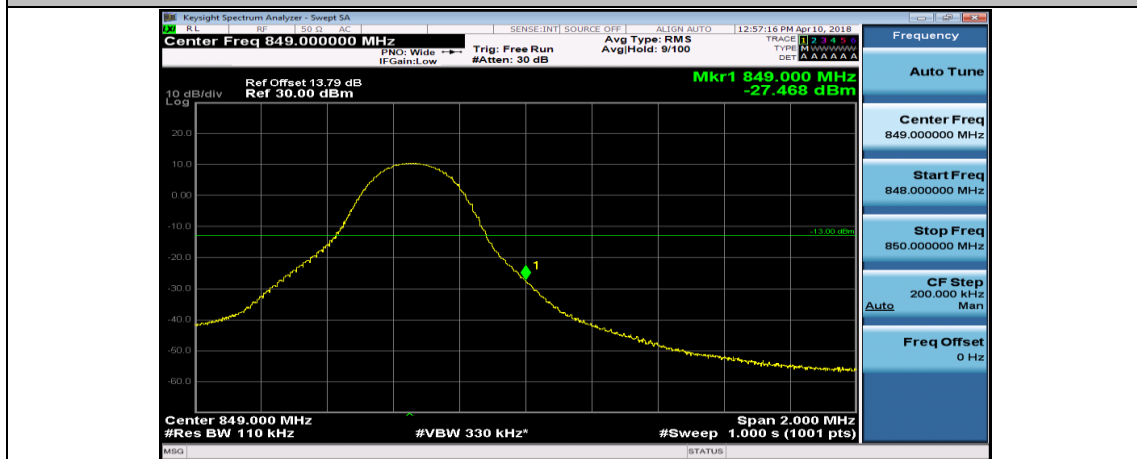
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



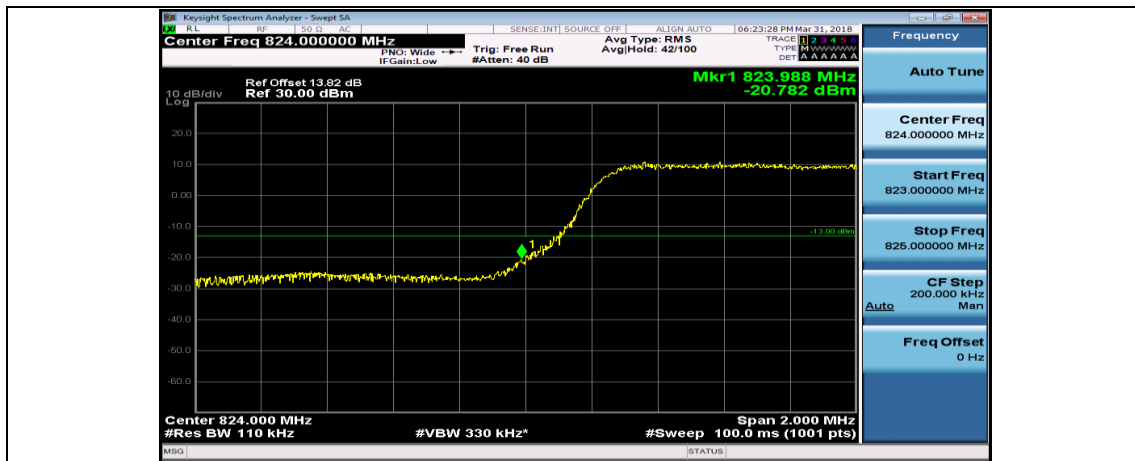
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



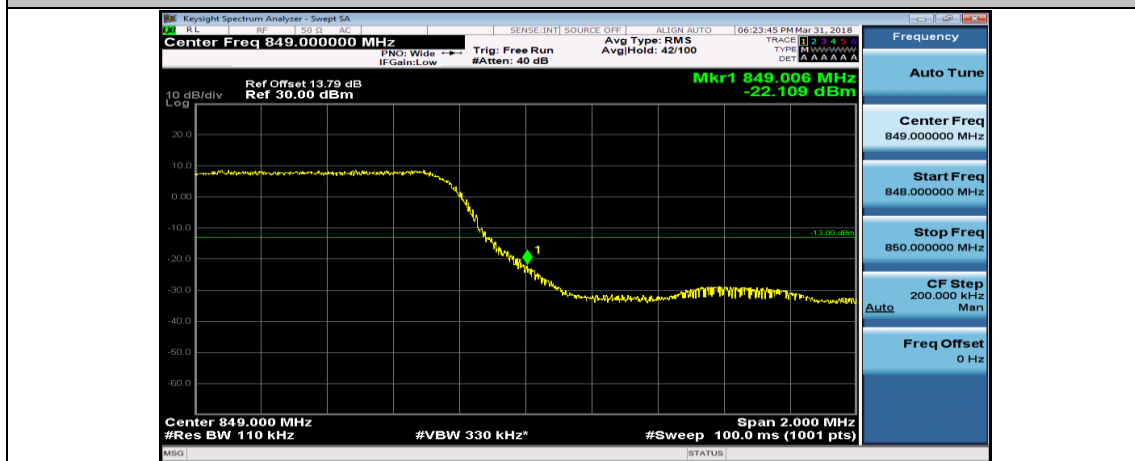
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



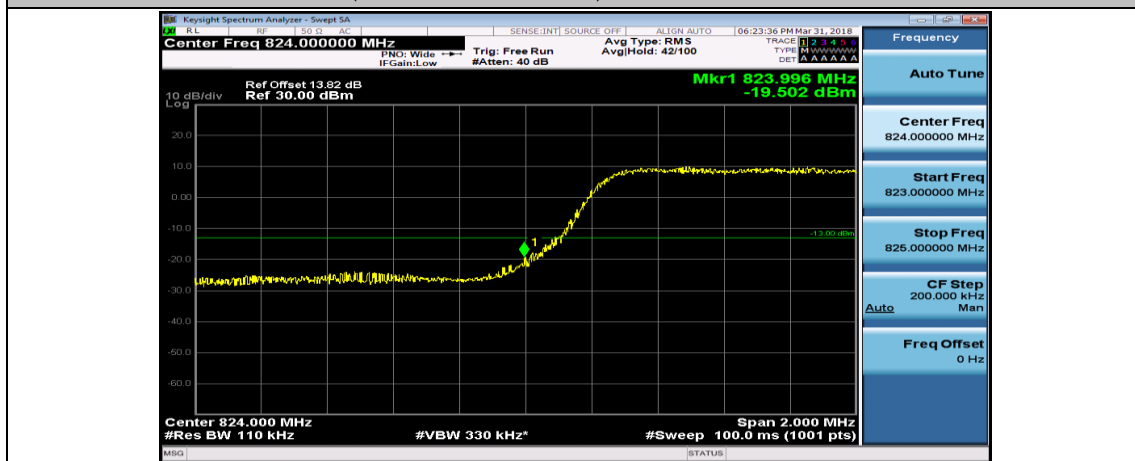
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

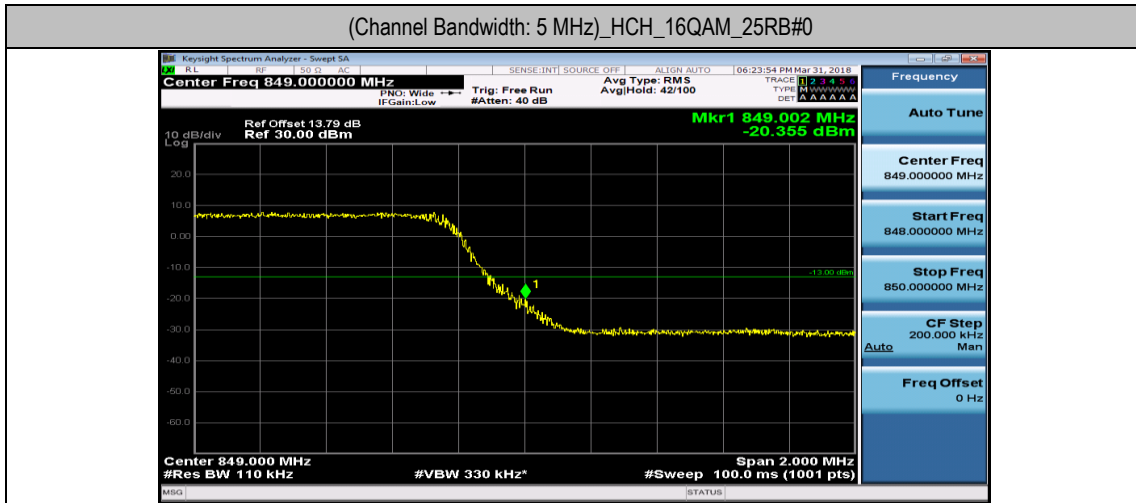


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



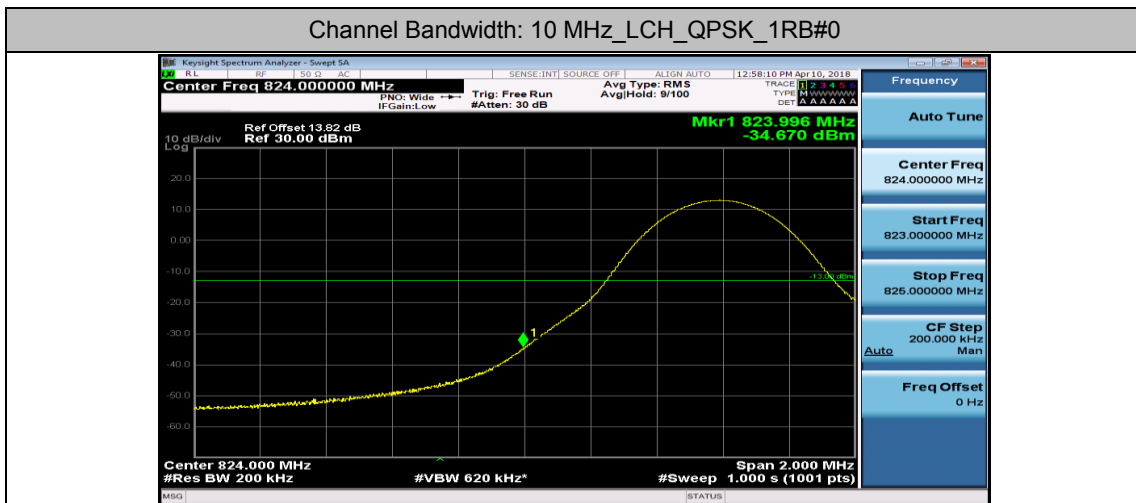


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

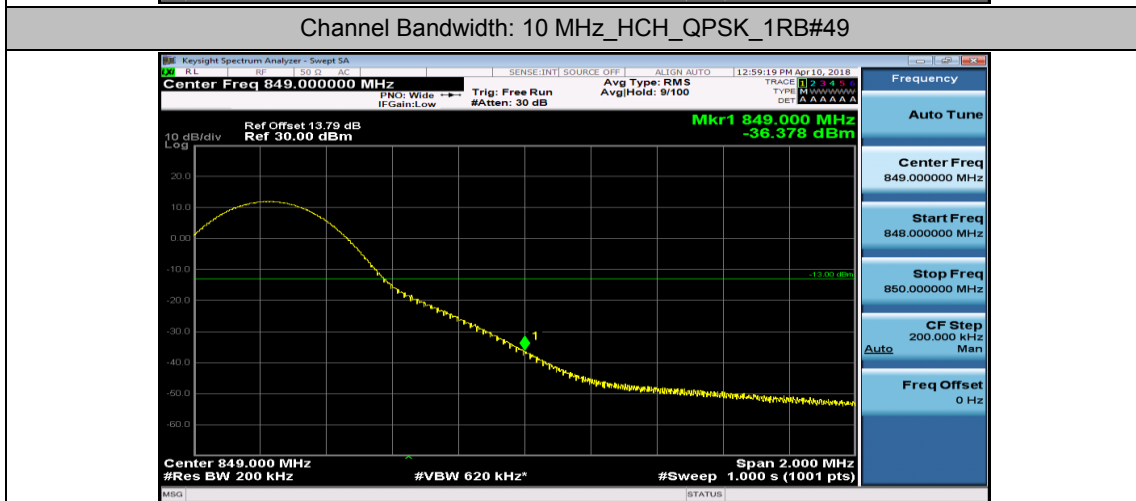


Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

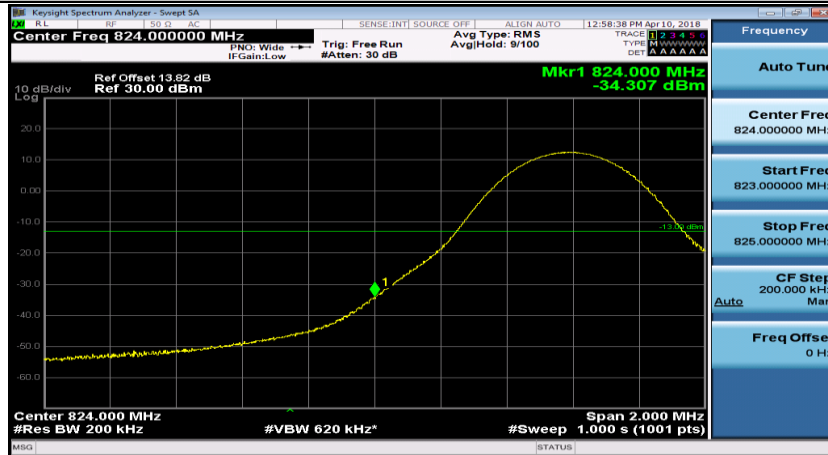


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

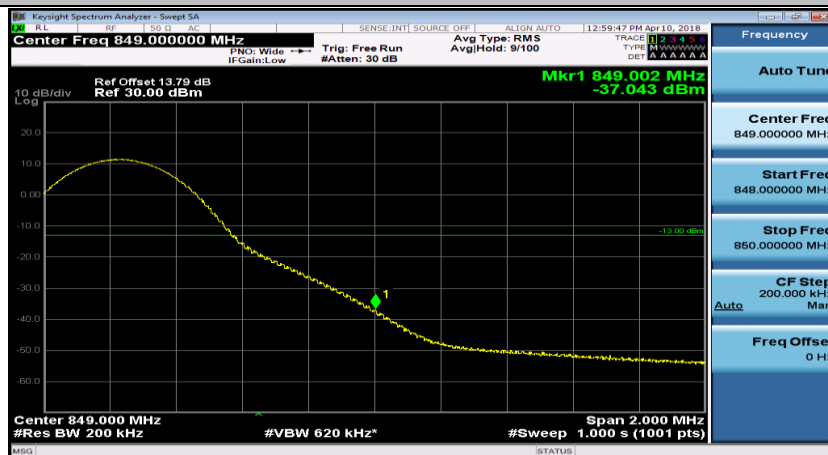




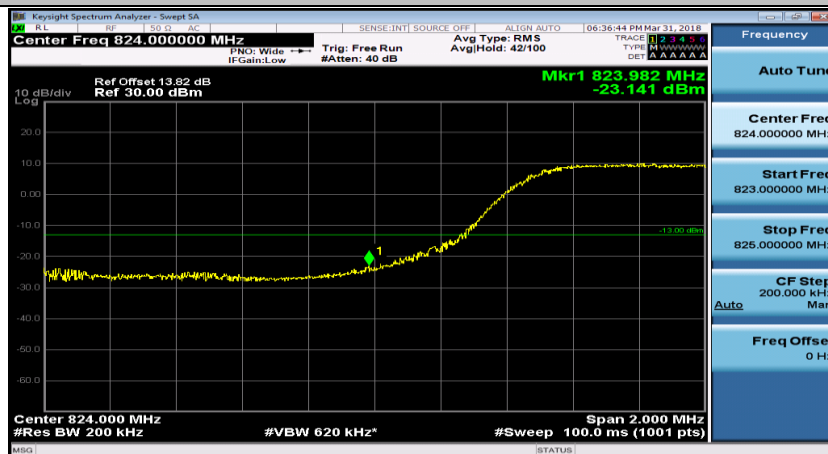
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

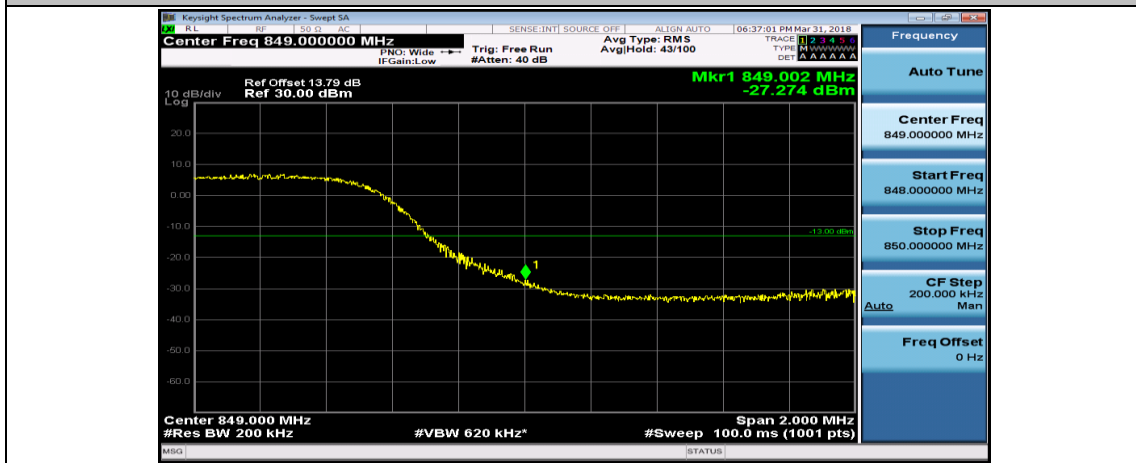


(Channel Bandwidth: 10 MHz)_LCH_QPSK_50RB#0

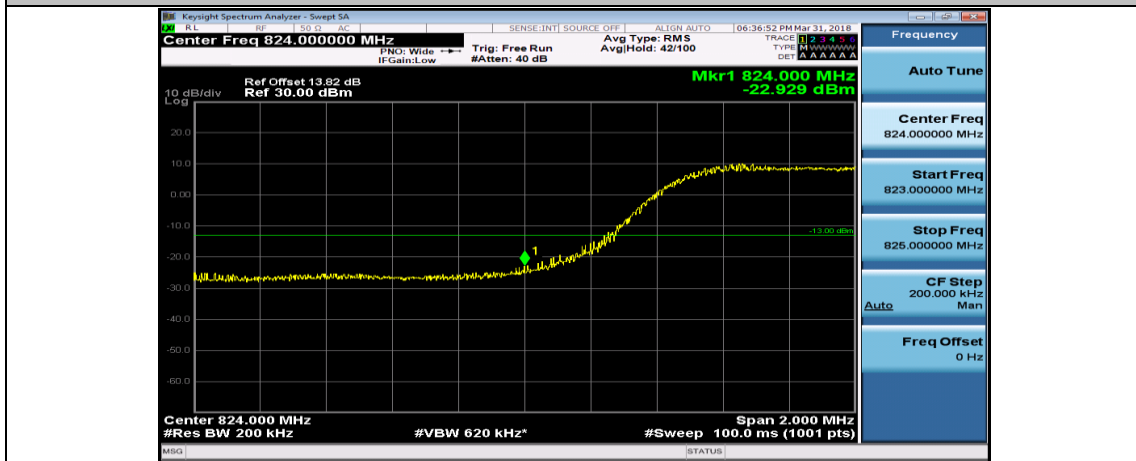




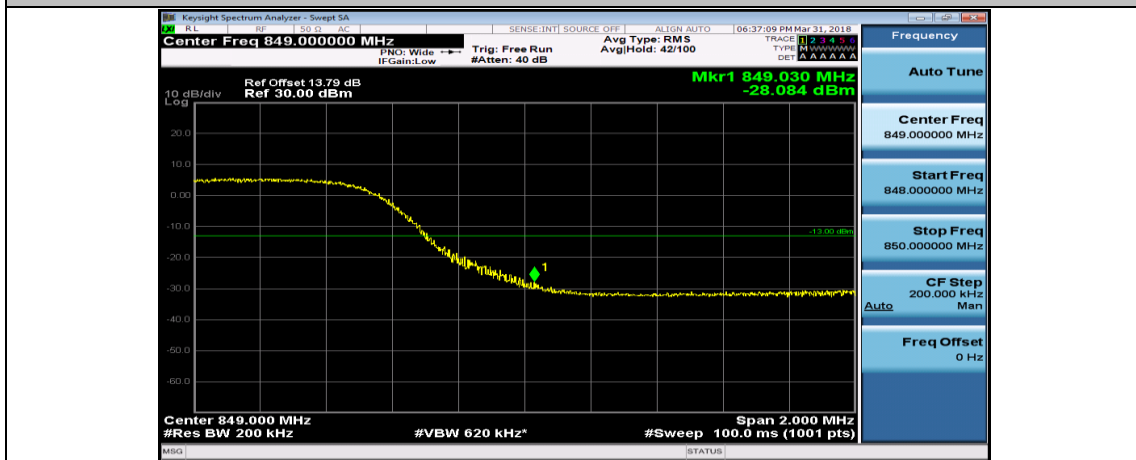
(Channel Bandwidth: 10 MHz)_HCH_QPSK_50RB#0



(Channel Bandwidth: 10 MHz)_LCH_16QAM_50RB#0



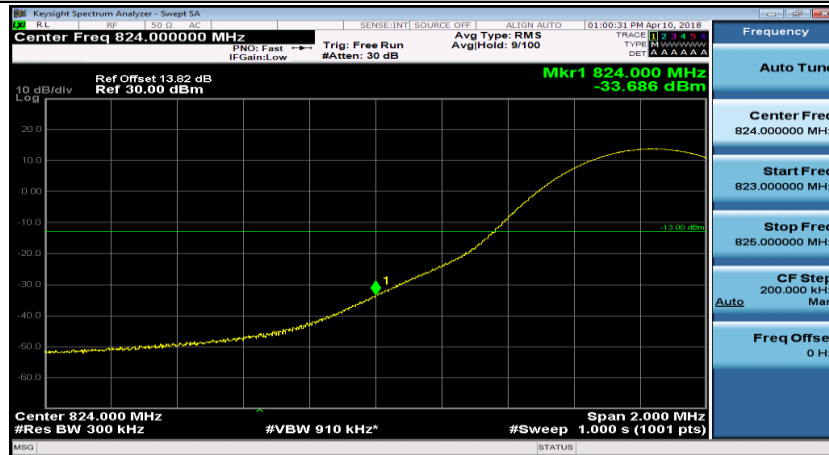
(Channel Bandwidth: 10 MHz)_HCH_16QAM_50RB#0



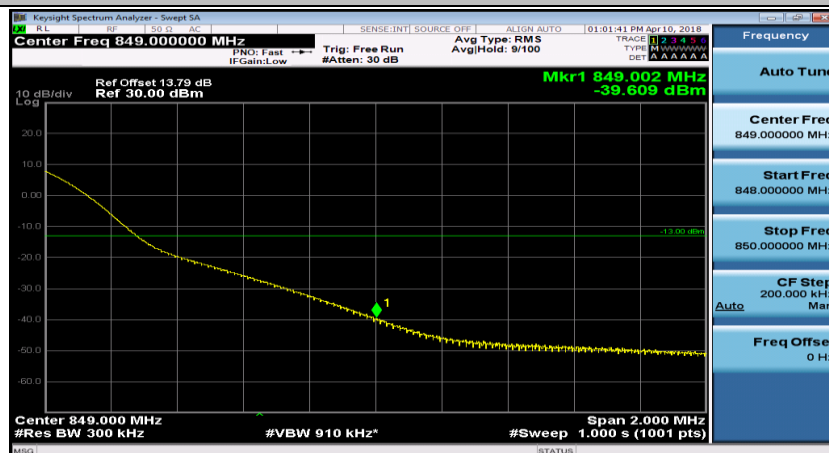


Channel Bandwidth: 15 MHz

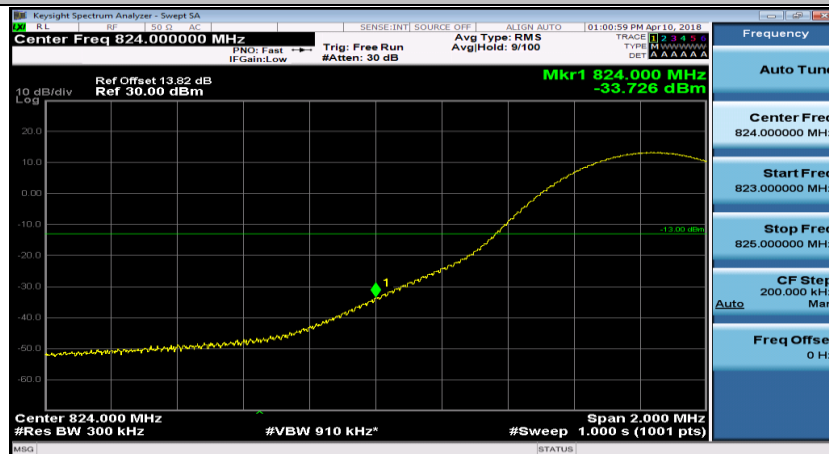
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



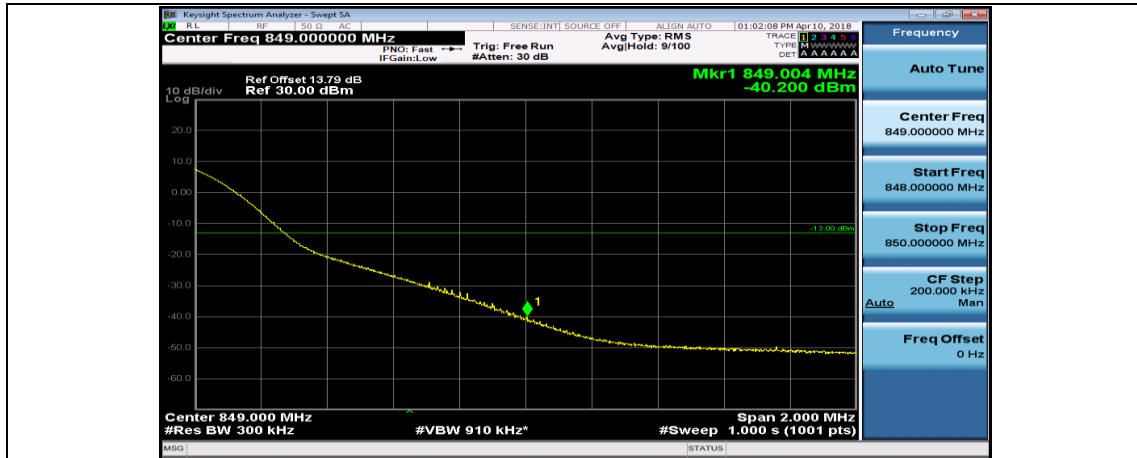
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



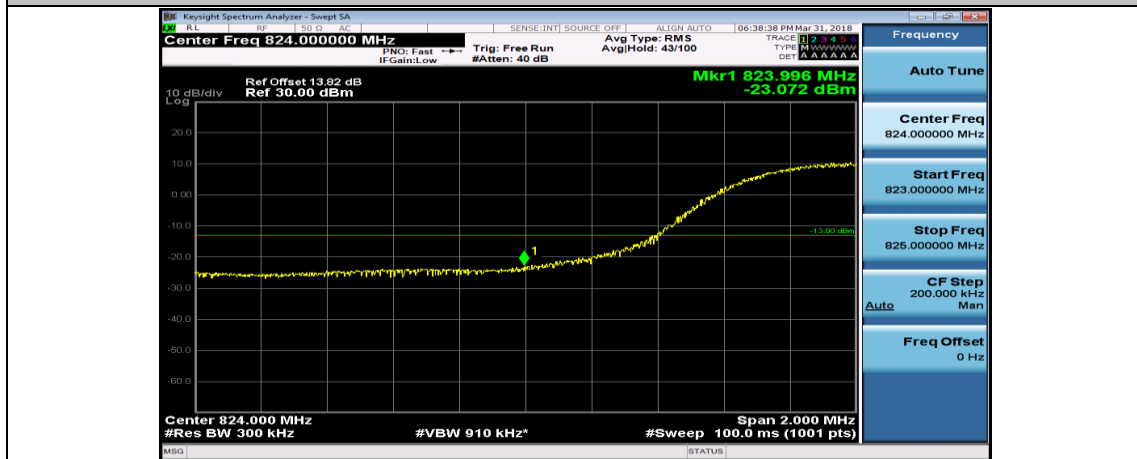
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



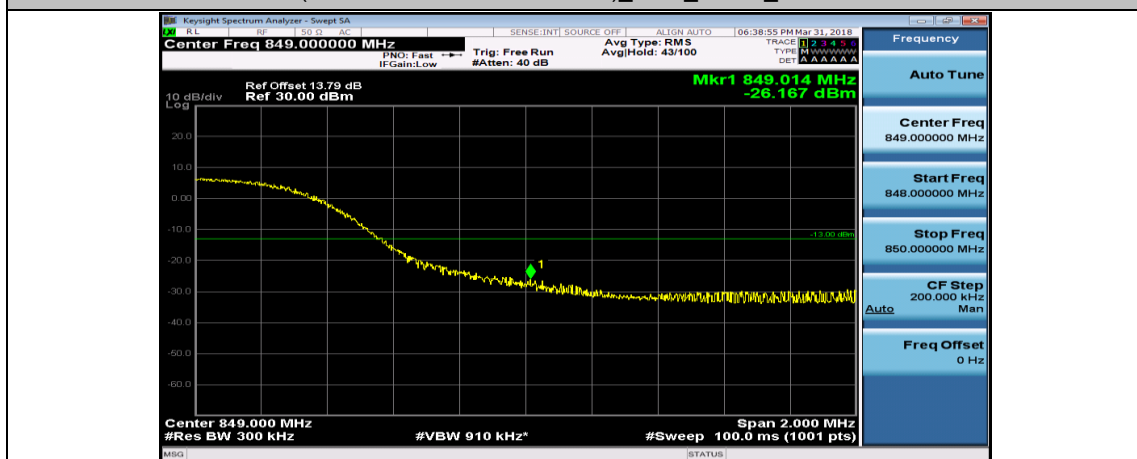
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74



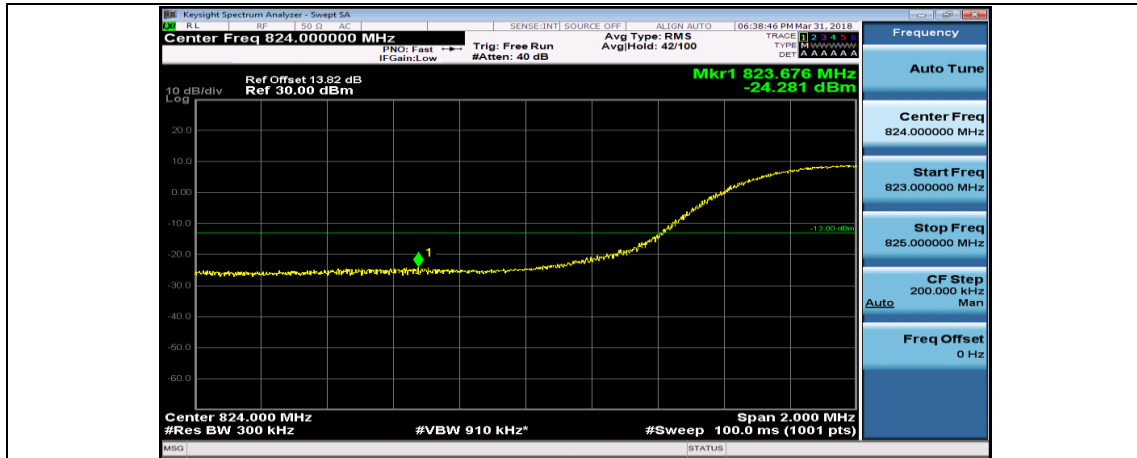
(Channel Bandwidth: 15 MHz)_LCH_QPSK_75RB#0



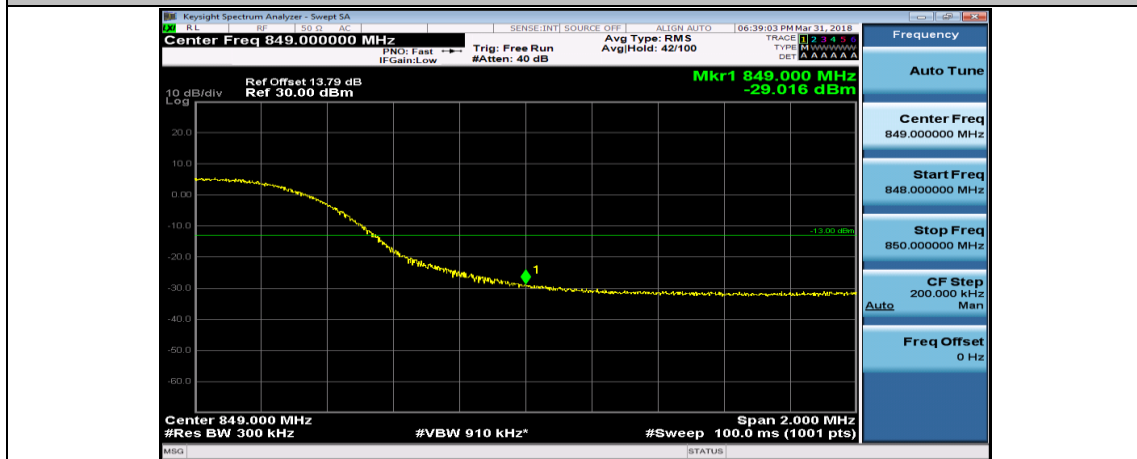
(Channel Bandwidth: 15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth: 15 MHz)_LCH_16QAM_75RB#0



(Channel Bandwidth: 15 MHz)_HCH_16QAM_75RB#0

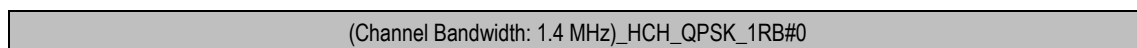
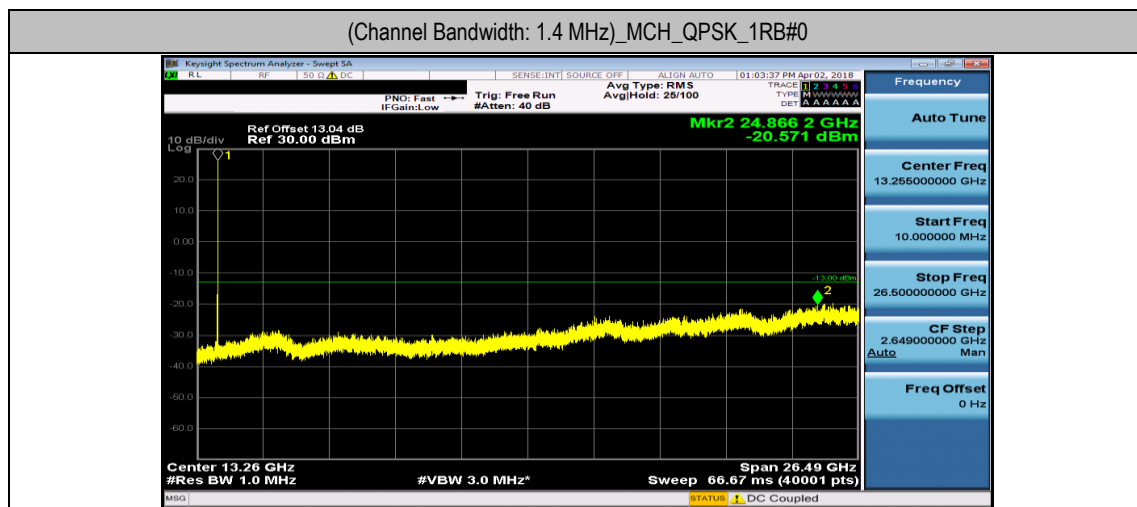
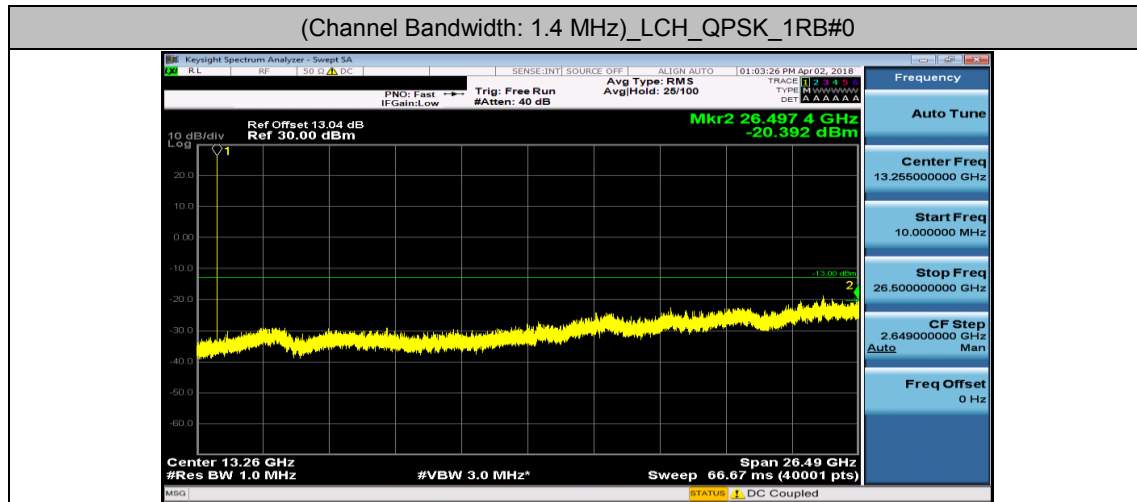


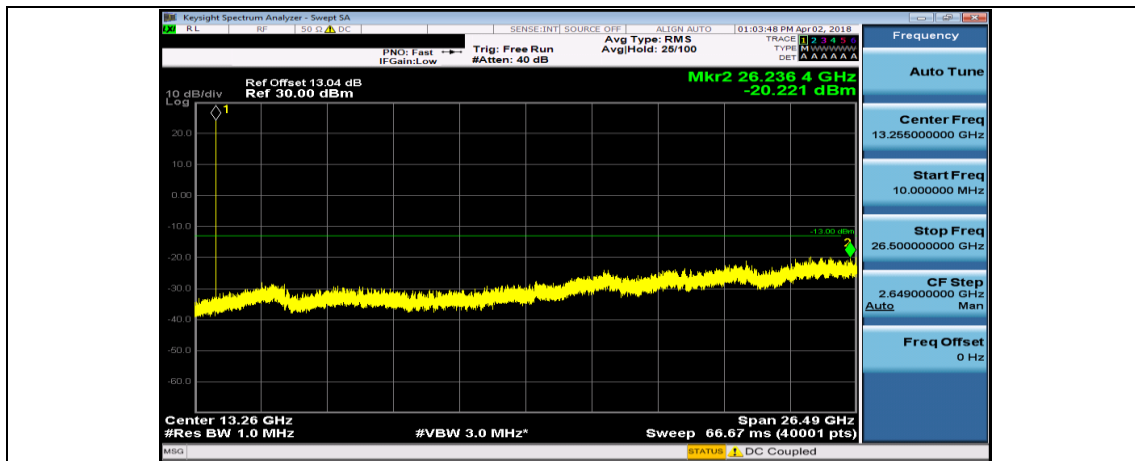


Appendix E: Conducted Spurious Emission

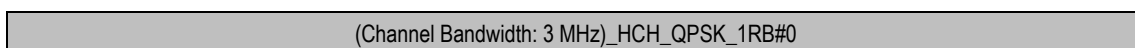
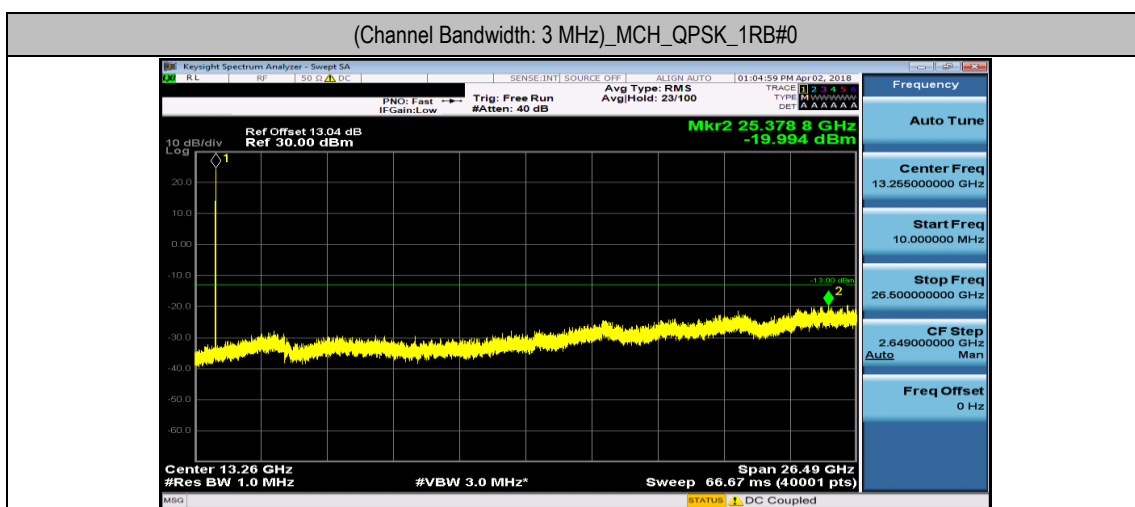
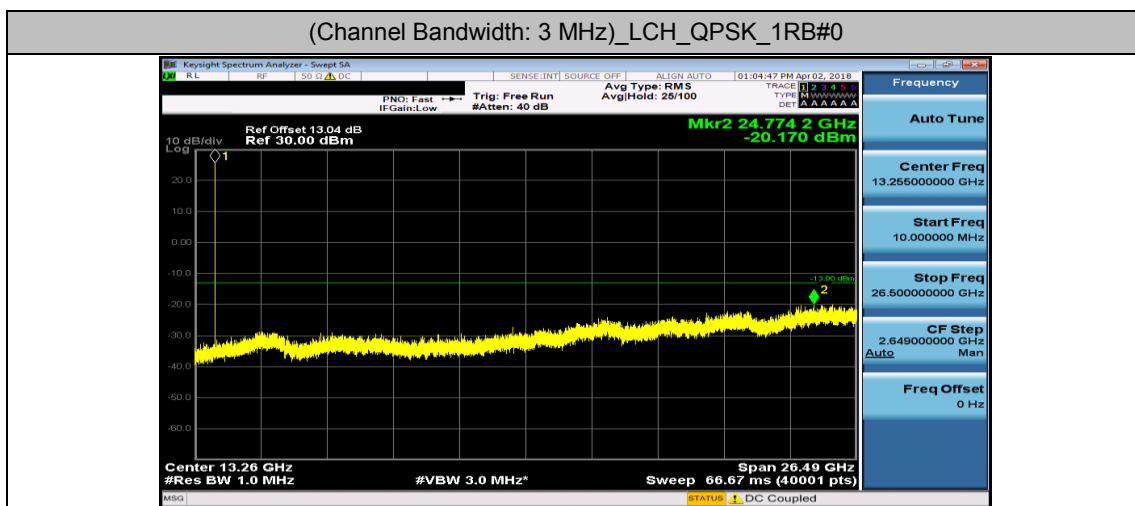
Test Graphs

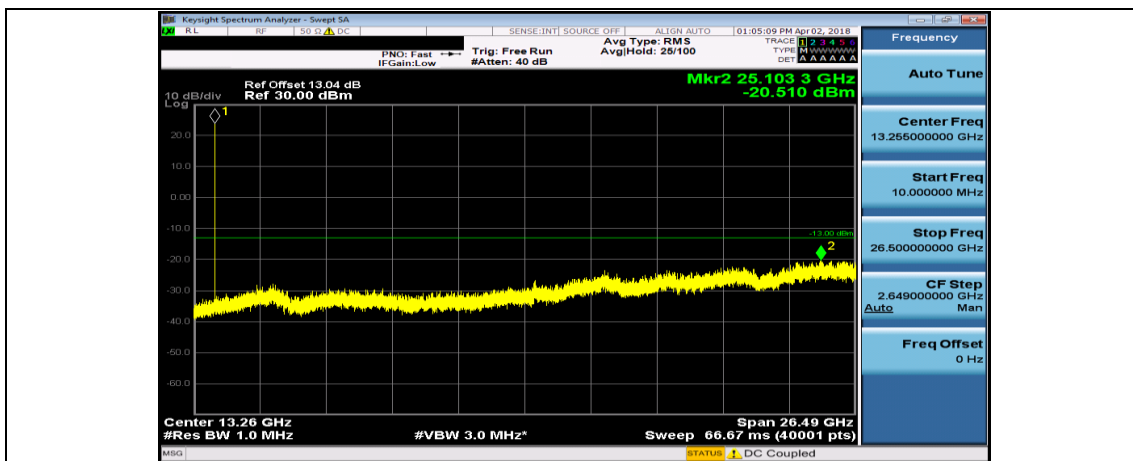
Channel Bandwidth: 1.4 MHz



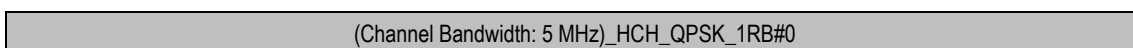
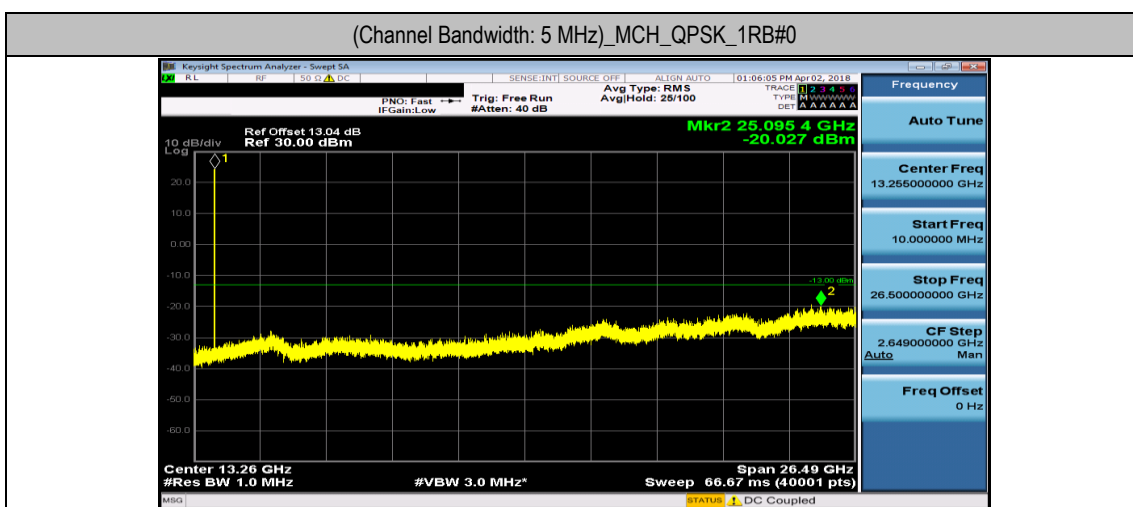
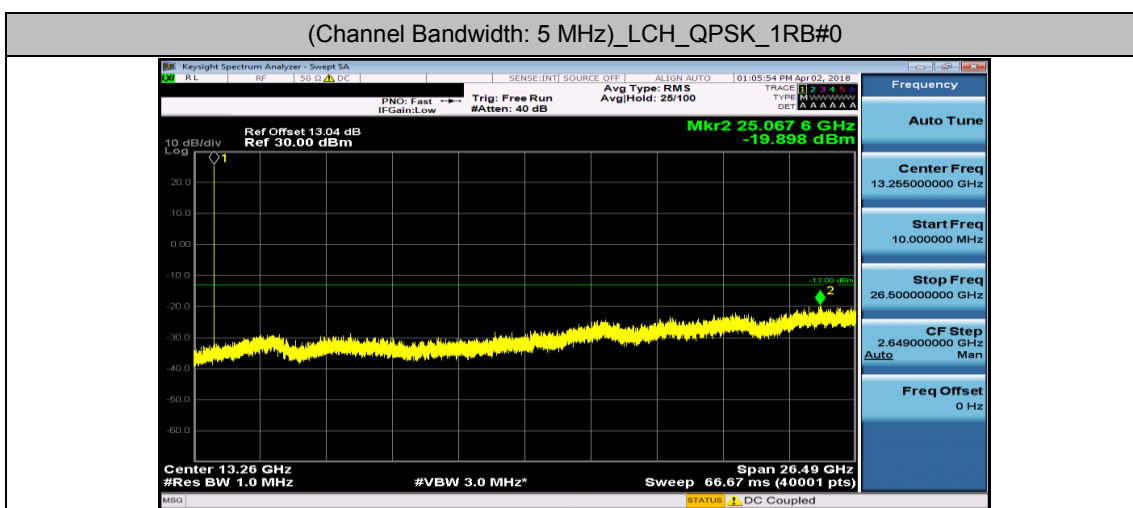


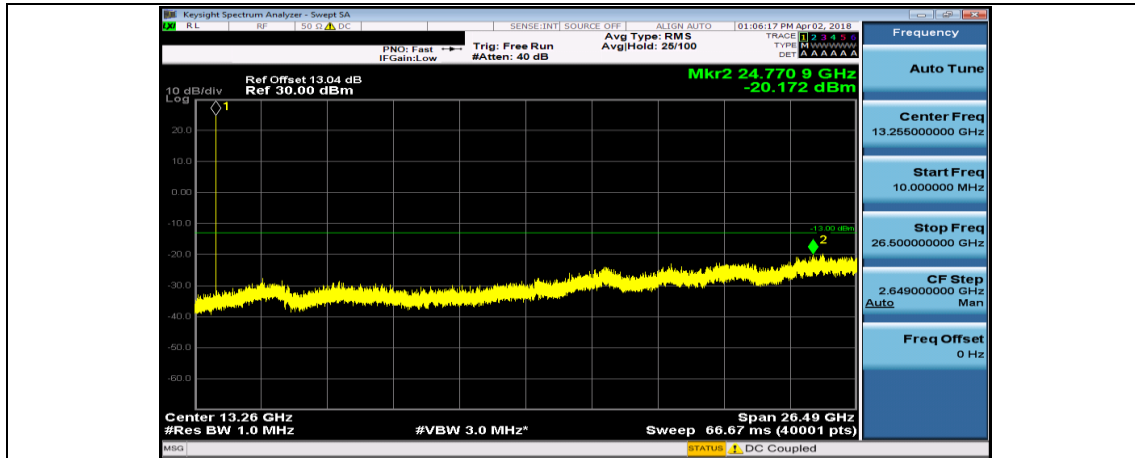
Channel Bandwidth: 3 MHz



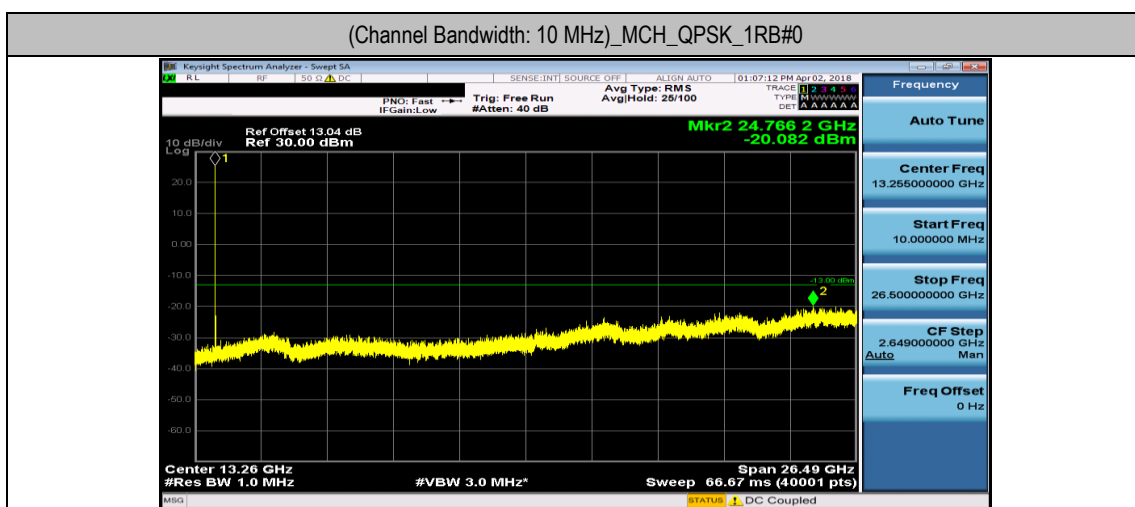
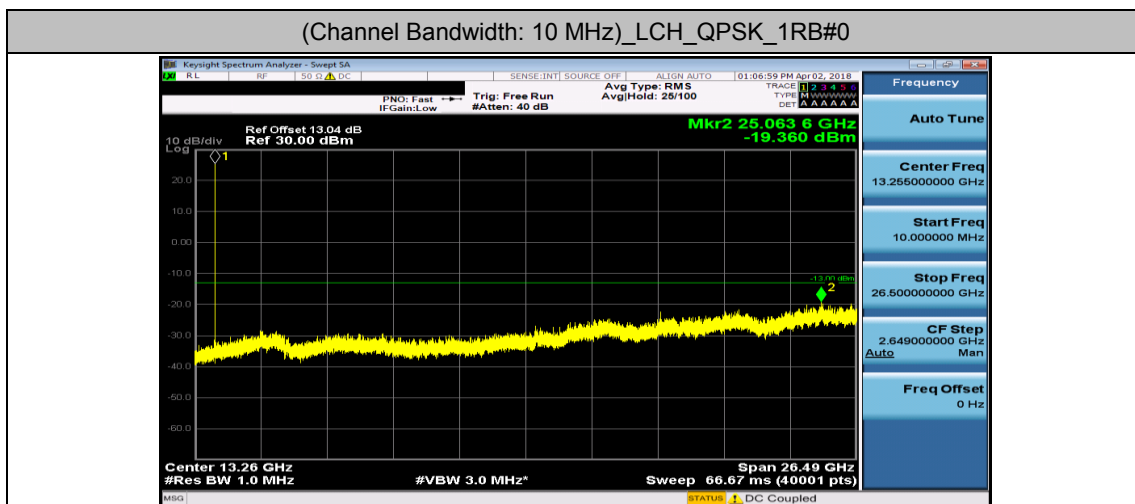


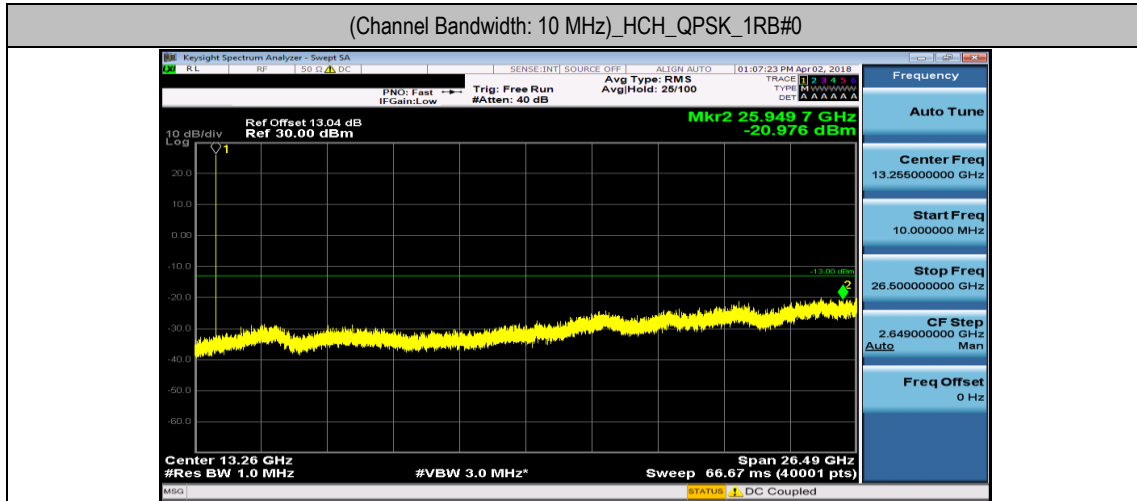
Channel Bandwidth: 5 MHz



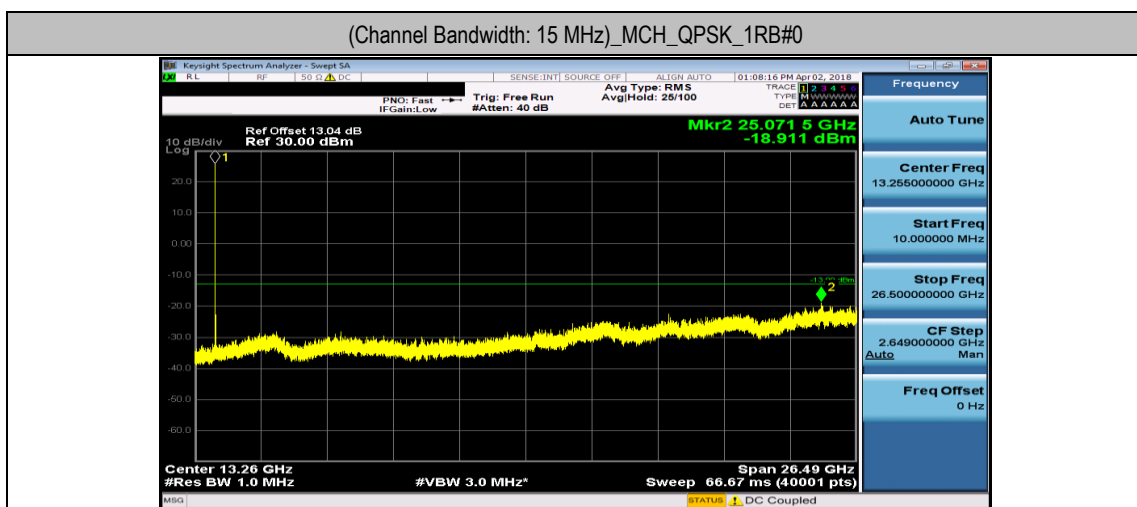
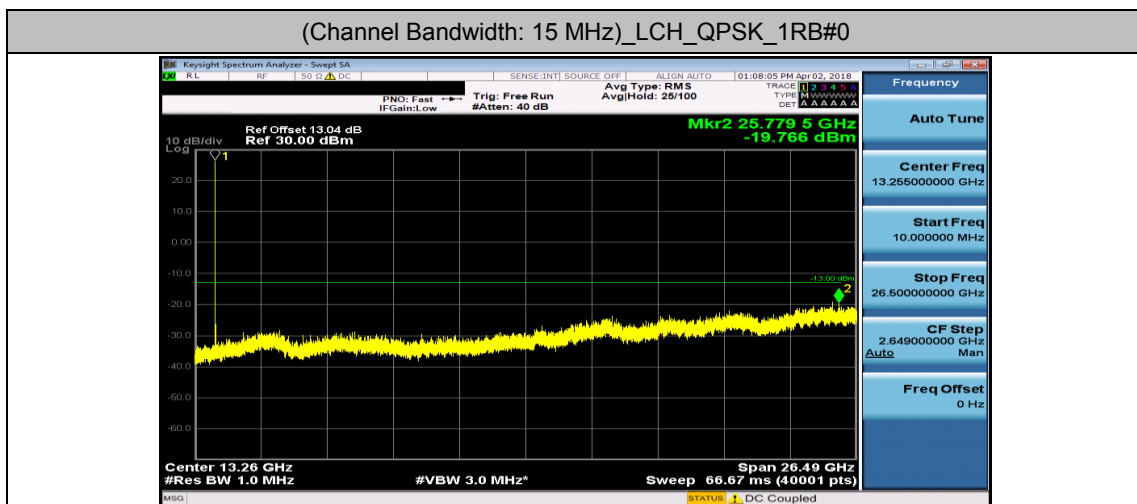


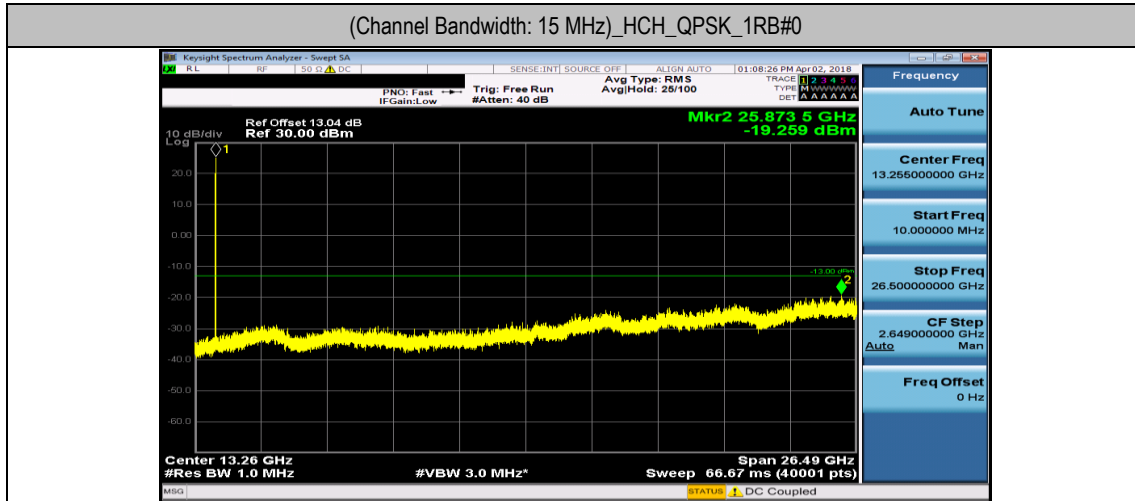
Channel Bandwidth: 10 MHz





Channel Bandwidth: 15 MHz





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.50	-0.001819	± 2.5	PASS
		VN	TN	0.30	0.000364	± 2.5	PASS
		VH	TN	-1.10	-0.001334	± 2.5	PASS
	MCH	VL	TN	-1.60	-0.001913	± 2.5	PASS
		VN	TN	-0.80	-0.000956	± 2.5	PASS
		VH	TN	-0.60	-0.000717	± 2.5	PASS
	HCH	VL	TN	-0.30	-0.000354	± 2.5	PASS
		VN	TN	0.10	0.000118	± 2.5	PASS
		VH	TN	0.70	0.000825	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.30	-0.001576	± 2.5	PASS
		VN	-20	-0.90	-0.001091	± 2.5	PASS
		VN	-10	-1.80	-0.002183	± 2.5	PASS
		VN	0	-1.60	-0.001940	± 2.5	PASS
		VN	10	-1.60	-0.001940	± 2.5	PASS
		VN	20	-0.80	-0.000970	± 2.5	PASS
		VN	30	-1.20	-0.001455	± 2.5	PASS
		VN	40	-0.30	-0.000364	± 2.5	PASS
		VN	50	0.00	0.000000	± 2.5	PASS
	MCH	VN	-30	0.90	0.001076	± 2.5	PASS
		VN	-20	0.30	0.000359	± 2.5	PASS



		VN	-10	2.10	0.002510	± 2.5	PASS
		VN	0	0.60	0.000717	± 2.5	PASS
		VN	10	1.30	0.001554	± 2.5	PASS
		VN	20	-0.50	-0.000598	± 2.5	PASS
		VN	30	0.30	0.000359	± 2.5	PASS
		VN	40	1.00	0.001195	± 2.5	PASS
		VN	50	0.10	0.000120	± 2.5	PASS
	HCH	VN	-30	0.30	0.000354	± 2.5	PASS
		VN	-20	-1.10	-0.001297	± 2.5	PASS
		VN	-10	-0.10	-0.000118	± 2.5	PASS
		VN	0	0.70	0.000825	± 2.5	PASS
		VN	10	-1.50	-0.001768	± 2.5	PASS
		VN	20	0.60	0.000707	± 2.5	PASS
		VN	30	-0.20	-0.000236	± 2.5	PASS
		VN	40	0.50	0.000589	± 2.5	PASS
		VN	50	1.00	0.001179	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.20	0.001454	± 2.5	PASS
		VN	TN	1.00	0.001211	± 2.5	PASS
		VH	TN	2.10	0.002544	± 2.5	PASS
	MCH	VL	TN	-0.20	-0.000239	± 2.5	PASS
		VN	TN	-1.50	-0.001793	± 2.5	PASS
		VH	TN	-0.10	-0.000120	± 2.5	PASS
	HCH	VL	TN	-2.00	-0.002360	± 2.5	PASS
		VN	TN	-1.40	-0.001652	± 2.5	PASS
		VH	TN	-1.40	-0.001652	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.30	0.001575	± 2.5	PASS
		VN	-20	0.80	0.000969	± 2.5	PASS
		VN	-10	0.80	0.000969	± 2.5	PASS
		VN	0	1.80	0.002180	± 2.5	PASS
		VN	10	-0.80	-0.000969	± 2.5	PASS
		VN	20	1.60	0.001938	± 2.5	PASS
		VN	30	0.40	0.000485	± 2.5	PASS
		VN	40	-1.40	-0.001696	± 2.5	PASS
		VN	50	0.40	0.000485	± 2.5	PASS
	MCH	VN	-30	-0.70	-0.000837	± 2.5	PASS
		VN	-20	-0.60	-0.000717	± 2.5	PASS
		VN	-10	-1.40	-0.001674	± 2.5	PASS
		VN	0	-0.50	-0.000598	± 2.5	PASS



		VN	10	-1.00	-0.001195	± 2.5	PASS
		VN	20	-0.50	-0.000598	± 2.5	PASS
		VN	30	-1.10	-0.001315	± 2.5	PASS
		VN	40	-0.50	-0.000598	± 2.5	PASS
		VN	50	-1.10	-0.001315	± 2.5	PASS
	HCH	VN	-30	-2.00	-0.002360	± 2.5	PASS
		VN	-20	-3.20	-0.003776	± 2.5	PASS
		VN	-10	-2.30	-0.002714	± 2.5	PASS
		VN	0	-2.20	-0.002596	± 2.5	PASS
		VN	10	-3.00	-0.003540	± 2.5	PASS
		VN	20	-2.30	-0.002714	± 2.5	PASS
		VN	30	-2.80	-0.003304	± 2.5	PASS
		VN	40	0.30	0.000354	± 2.5	PASS
		VN	50	-2.80	-0.003304	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-2.30	-0.002783	± 2.5	PASS
		VN	TN	-1.30	-0.001573	± 2.5	PASS
		VH	TN	-3.00	-0.003630	± 2.5	PASS
	MCH	VL	TN	-1.70	-0.002032	± 2.5	PASS
		VN	TN	-2.00	-0.002391	± 2.5	PASS
		VH	TN	0.50	0.000598	± 2.5	PASS
	HCH	VL	TN	0.30	0.000354	± 2.5	PASS
		VN	TN	-0.60	-0.000709	± 2.5	PASS
		VH	TN	0.80	0.000945	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.90	-0.001089	± 2.5	PASS
		VN	-20	-0.50	-0.000605	± 2.5	PASS
		VN	-10	-2.60	-0.003146	± 2.5	PASS
		VN	0	-0.30	-0.000363	± 2.5	PASS
		VN	10	-0.50	-0.000605	± 2.5	PASS
		VN	20	-3.30	-0.003993	± 2.5	PASS
		VN	30	-2.90	-0.003509	± 2.5	PASS
		VN	40	-0.50	-0.000605	± 2.5	PASS
		VN	50	-0.40	-0.000484	± 2.5	PASS
	MCH	VN	-30	-1.30	-0.001554	± 2.5	PASS
		VN	-20	-1.90	-0.002271	± 2.5	PASS
		VN	-10	0.90	0.001076	± 2.5	PASS
		VN	0	-1.80	-0.002152	± 2.5	PASS
		VN	10	-2.00	-0.002391	± 2.5	PASS
		VN	20	-1.10	-0.001315	± 2.5	PASS



		VN	30	0.90	0.001076	± 2.5	PASS
		VN	40	0.40	0.000478	± 2.5	PASS
		VN	50	-0.40	-0.000478	± 2.5	PASS
	HCH	VN	-30	-0.80	-0.000945	± 2.5	PASS
		VN	-20	-1.90	-0.002245	± 2.5	PASS
		VN	-10	0.10	0.000118	± 2.5	PASS
		VN	0	-1.00	-0.001181	± 2.5	PASS
		VN	10	0.30	0.000354	± 2.5	PASS
		VN	20	0.00	0.000000	± 2.5	PASS
		VN	30	1.10	0.001299	± 2.5	PASS
		VN	40	-2.00	-0.002363	± 2.5	PASS
		VN	50	0.80	0.000945	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.10	0.000121	± 2.5	PASS
		VN	TN	0.10	0.000121	± 2.5	PASS
		VH	TN	-1.60	-0.001930	± 2.5	PASS
	MCH	VL	TN	-2.00	-0.002391	± 2.5	PASS
		VN	TN	1.00	0.001195	± 2.5	PASS
		VH	TN	-0.60	-0.000717	± 2.5	PASS
	HCH	VL	TN	0.70	0.000829	± 2.5	PASS
		VN	TN	0.00	0.000000	± 2.5	PASS
		VH	TN	1.10	0.001303	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.20	-0.000241	± 2.5	PASS
		VN	-20	0.30	0.000362	± 2.5	PASS
		VN	-10	-0.80	-0.000965	± 2.5	PASS
		VN	0	0.00	0.000000	± 2.5	PASS
		VN	10	-2.20	-0.002654	± 2.5	PASS
		VN	20	-0.40	-0.000483	± 2.5	PASS
		VN	30	0.60	0.000724	± 2.5	PASS
		VN	40	-1.60	-0.001930	± 2.5	PASS
		VN	50	0.10	0.000121	± 2.5	PASS
	MCH	VN	-30	0.70	0.000837	± 2.5	PASS
		VN	-20	0.20	0.000239	± 2.5	PASS
		VN	-10	0.20	0.000239	± 2.5	PASS
		VN	0	-1.80	-0.002152	± 2.5	PASS
		VN	10	-1.00	-0.001195	± 2.5	PASS
		VN	20	-1.00	-0.001195	± 2.5	PASS
VN		30	-1.60	-0.001913	± 2.5	PASS	
VN	40	0.40	0.000478	± 2.5	PASS		

	HCH	VN	50	-1.10	-0.001315	± 2.5	PASS
		VN	-30	0.20	0.000237	± 2.5	PASS
		VN	-20	1.10	0.001303	± 2.5	PASS
		VN	-10	-1.90	-0.002251	± 2.5	PASS
		VN	0	0.40	0.000474	± 2.5	PASS
		VN	10	-0.20	-0.000237	± 2.5	PASS
		VN	20	-1.20	-0.001422	± 2.5	PASS
		VN	30	-1.80	-0.002133	± 2.5	PASS
		VN	40	1.00	0.001185	± 2.5	PASS
		VN	50	-0.80	-0.000948	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.20	-0.000245	± 2.5	PASS
		VN	TN	-1.00	-0.001227	± 2.5	PASS
		VH	TN	2.60	0.003191	± 2.5	PASS
	MCH	VL	TN	0.80	0.000977	± 2.5	PASS
		VN	TN	-0.80	-0.000977	± 2.5	PASS
		VH	TN	-0.60	-0.000733	± 2.5	PASS
	HCH	VL	TN	-0.50	-0.000607	± 2.5	PASS
		VN	TN	-0.40	-0.000486	± 2.5	PASS
		VH	TN	0.20	0.000243	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.00	0.000000	± 2.5	PASS
		VN	-20	3.00	0.003682	± 2.5	PASS
		VN	-10	-1.10	-0.001350	± 2.5	PASS
		VN	0	0.80	0.000982	± 2.5	PASS
		VN	10	0.00	0.000000	± 2.5	PASS
		VN	20	1.80	0.002209	± 2.5	PASS
		VN	30	1.00	0.001227	± 2.5	PASS
		VN	40	2.30	0.002823	± 2.5	PASS
		VN	50	1.80	0.002209	± 2.5	PASS
	MCH	VN	-30	0.80	0.000977	± 2.5	PASS
		VN	-20	-0.90	-0.001099	± 2.5	PASS
		VN	-10	0.80	0.000977	± 2.5	PASS



		VN	0	1.40	0.001709	± 2.5	PASS
		VN	10	0.50	0.000611	± 2.5	PASS
		VN	20	-1.40	-0.001709	± 2.5	PASS
		VN	30	0.50	0.000611	± 2.5	PASS
		VN	40	-3.10	-0.003785	± 2.5	PASS
		VN	50	-2.70	-0.003297	± 2.5	PASS
	HCH	VN	-30	-1.10	-0.001336	± 2.5	PASS
		VN	-20	-1.00	-0.001215	± 2.5	PASS
		VN	-10	-0.60	-0.000729	± 2.5	PASS
		VN	0	-0.30	-0.000364	± 2.5	PASS
		VN	10	-2.00	-0.002429	± 2.5	PASS
		VN	20	-1.20	-0.001458	± 2.5	PASS
		VN	30	-0.40	-0.000486	± 2.5	PASS
		VN	40	-1.00	-0.001215	± 2.5	PASS
		VN	50	0.30	0.000364	± 2.5	PASS