Appendix for Band 5

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.05	PASS
		1	3	22.99	PASS
		1	5	22.73	PASS
		3	0	22.91	PASS
		3	2	22.97	PASS
		3	3	22.91	PASS
		6	0	21.99	PASS
	MCH	1	0	22.95	PASS
		1	3	23.23	PASS
		1	5	23.06	PASS
		3	0	22.96	PASS
		3	2	23.03	PASS
		3	3	22.77	PASS
		6	0	21.84	PASS
	HCH	1	0	23.19	PASS
		1	3	23.44	PASS
		1	5	23.16	PASS
		3	0	23.17	PASS
		3	2	23.29	PASS
		3	3	23.20	PASS
		6	0	22.22	PASS
16QAM	LCH	1	0	22.52	PASS
		1	3	22.24	PASS
		1	5	21.71	PASS
		3	0	22.24	PASS
		3	2	22.11	PASS
		3	3	22.14	PASS
		6	0	20.85	PASS
	MCH	1	0	21.86	PASS
		1	3	22.08	PASS
		1	5	21.88	PASS
		3	0	21.98	PASS
		3	2	22.20	PASS

		3	3	22.04	PASS
		6	0	20.87	PASS
	HCH	1	0	22.15	PASS
		1	3	22.31	PASS
		1	5	22.01	PASS
		3	0	22.42	PASS
		3	2	22.49	PASS
		3	3	22.42	PASS
		6	0	21.22	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.01	PASS
		1	7	22.76	PASS
		1	14	22.46	PASS
		8	0	22.03	PASS
		8	4	21.82	PASS
		8	7	21.74	PASS
		15	0	21.83	PASS
	MCH	1	0	22.70	PASS
		1	7	23.15	PASS
		1	14	22.81	PASS
		8	0	21.86	PASS
		8	4	22.08	PASS
		8	7	21.96	PASS
		15	0	21.83	PASS
	HCH	1	0	23.06	PASS
		1	7	23.58	PASS
		1	14	23.29	PASS
		8	0	22.15	PASS
		8	4	22.31	PASS
		8	7	22.30	PASS
		15	0	22.09	PASS
16QAM	LCH	1	0	22.36	PASS
		1	7	22.01	PASS
		1	14	21.68	PASS
		8	0	21.15	PASS
		8	4	20.90	PASS
		8	7	20.48	PASS
		15	0	20.78	PASS
	MCH	1	0	21.96	PASS

		1	7	22.27	PASS
		1	14	21.99	PASS
		8	0	20.77	PASS
		8	4	20.97	PASS
		8	7	20.94	PASS
		15	0	20.68	PASS
	HCH	1	0	22.09	PASS
		1	7	22.85	PASS
		1	14	22.82	PASS
		8	0	20.76	PASS
		8	4	21.15	PASS
		8	7	21.35	PASS
		15	0	21.01	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.78	PASS
		1	12	22.51	PASS
		1	24	22.21	PASS
		12	0	21.84	PASS
		12	6	21.62	PASS
		12	13	21.43	PASS
		25	0	21.76	PASS
	MCH	1	0	22.44	PASS
		1	12	23.35	PASS
		1	24	22.66	PASS
		12	0	21.70	PASS
		12	6	21.90	PASS
		12	13	21.73	PASS
		25	0	21.69	PASS
	HCH	1	0	22.69	PASS
		1	12	23.39	PASS
		1	24	23.51	PASS
		12	0	21.91	PASS
		12	6	22.07	PASS
		12	13	22.35	PASS
		25	0	21.97	PASS
16QAM	LCH	1	0	22.23	PASS
		1	12	21.87	PASS
		1	24	21.49	PASS
		12	0	20.84	PASS

		12	6	20.66	PASS
		12	13	20.37	PASS
		25	0	20.79	PASS
	MCH	1	0	21.69	PASS
		1	12	22.40	PASS
		1	24	21.54	PASS
		12	0	20.74	PASS
		12	6	21.01	PASS
		12	13	20.77	PASS
		25	0	20.68	PASS
	HCH	1	0	21.56	PASS
		1	12	22.40	PASS
		1	24	22.81	PASS
		12	0	20.94	PASS
		12	6	21.24	PASS
		12	13	21.53	PASS
		25	0	21.05	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.95	PASS
		1	24	22.41	PASS
		1	49	22.82	PASS
		25	0	21.61	PASS
		25	12	21.44	PASS
		25	25	21.55	PASS
		50	0	21.56	PASS
	MCH	1	0	22.65	PASS
		1	24	23.59	PASS
		1	49	22.36	PASS
		25	0	21.73	PASS
		25	12	21.92	PASS
		25	25	21.72	PASS
		50	0	21.72	PASS
	HCH	1	0	22.87	PASS
		1	24	22.55	PASS
		1	49	23.48	PASS
		25	0	21.62	PASS
		25	12	21.69	PASS
		25	25	22.04	PASS
		50	0	21.79	PASS

16QAM	LCH	1	0	22.59	PASS
		1	24	21.63	PASS
		1	49	22.28	PASS
		25	0	20.73	PASS
		25	12	20.47	PASS
		25	25	20.62	PASS
		50	0	20.66	PASS
	MCH	1	0	21.72	PASS
		1	24	22.90	PASS
		1	49	21.60	PASS
		25	0	20.63	PASS
		25	12	20.95	PASS
		25	25	20.61	PASS
		50	0	20.79	PASS
	HCH	1	0	22.09	PASS
		1	24	21.56	PASS
		1	49	23.03	PASS
		25	0	20.57	PASS
		25	12	20.61	PASS
		25	25	21.01	PASS
		50	0	20.89	PASS

Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0753	1.230	PASS
	MCH	6	0	1.0738	1.216	PASS
	HCH	6	0	1.0788	1.226	PASS
16QAM	LCH	6	0	1.0796	1.236	PASS
	MCH	6	0	1.0804	1.238	PASS
	HCH	6	0	1.0798	1.247	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6814	2.878	PASS
	MCH	15	0	2.6780	2.869	PASS
	HCH	15	0	2.6832	2.897	PASS
16QAM	LCH	15	0	2.6830	2.898	PASS
	MCH	15	0	2.6801	2.872	PASS
	HCH	15	0	2.6873	2.893	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4721	4.780	PASS
	MCH	25	0	4.4690	4.798	PASS
	HCH	25	0	4.4702	4.810	PASS
16QAM	LCH	25	0	4.4676	4.843	PASS
	MCH	25	0	4.4540	4.803	PASS
	HCH	25	0	4.4791	4.796	PASS

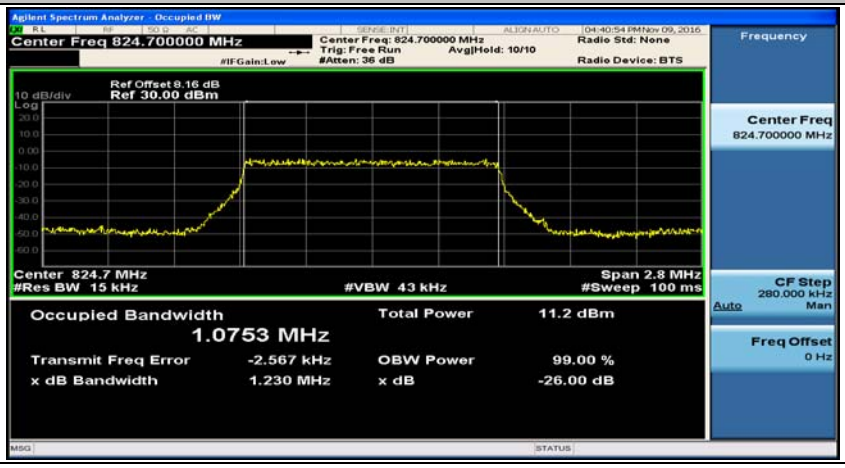
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9540	9.530	PASS
	MCH	50	0	8.8930	9.386	PASS
	HCH	50	0	8.9507	9.419	PASS
16QAM	LCH	50	0	8.9452	9.469	PASS
	MCH	50	0	8.8957	9.340	PASS
	HCH	50	0	8.9555	9.502	PASS

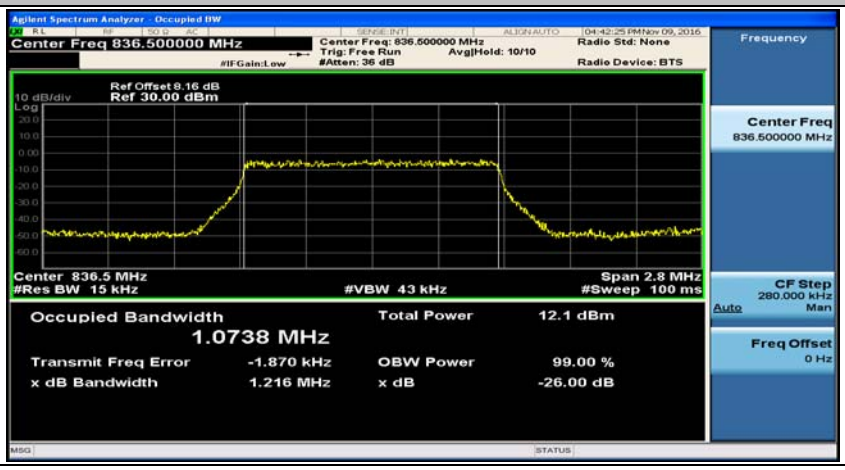
Test Graphs

Channel Bandwidth: 1.4 MHz

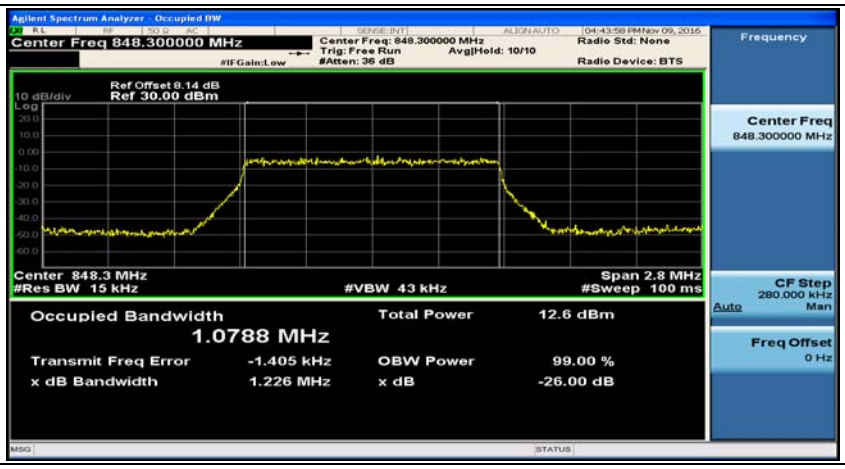
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



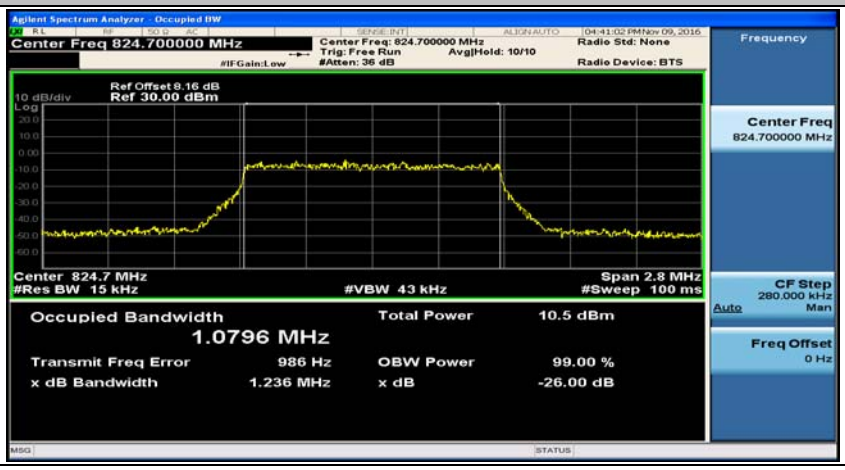
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



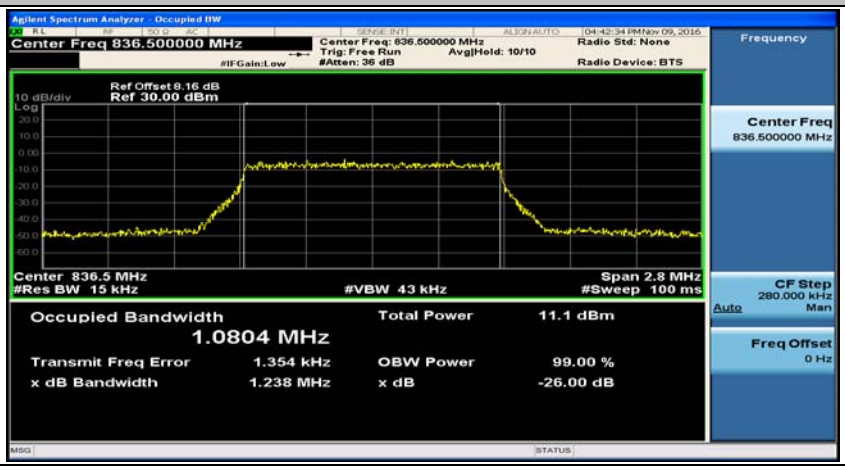
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



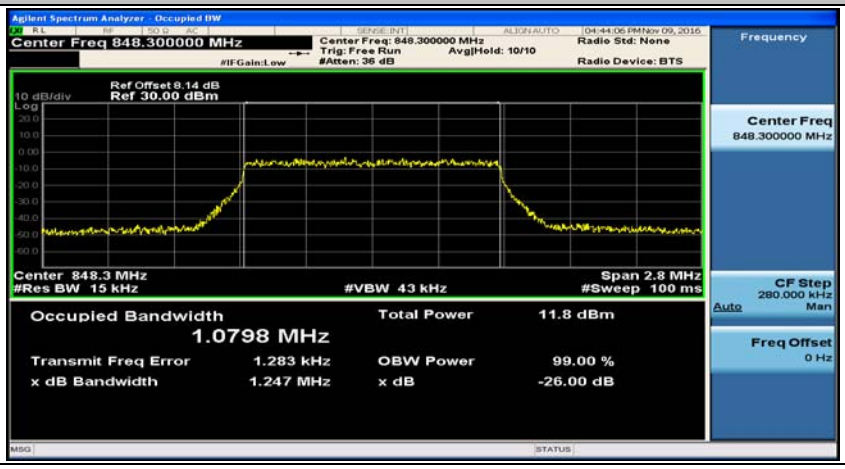
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

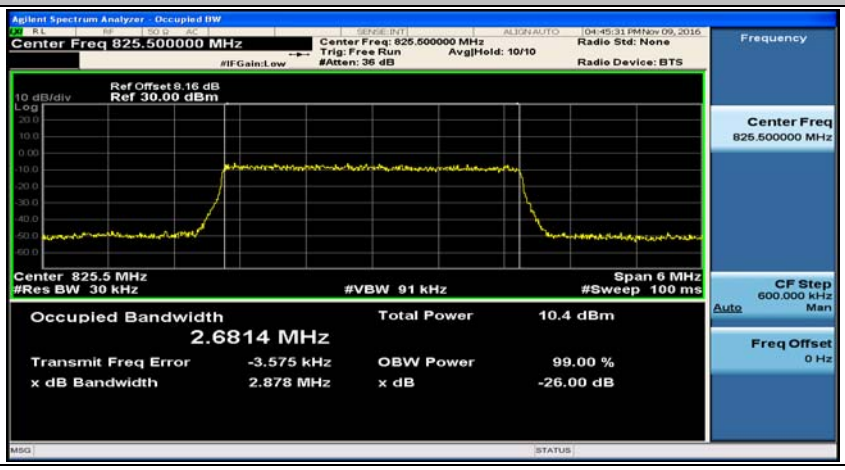


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

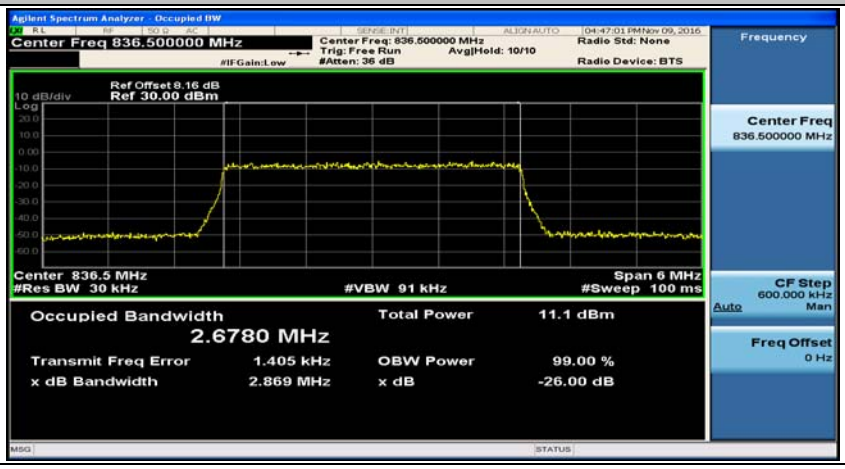


Channel Bandwidth: 3 MHz

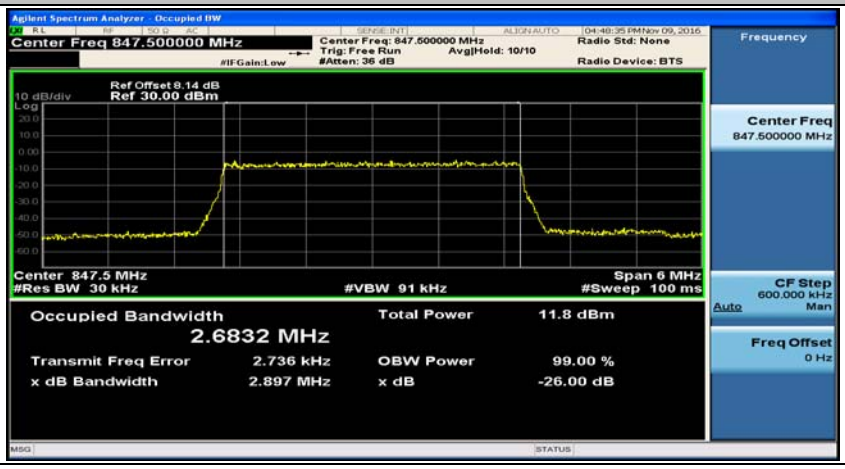
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



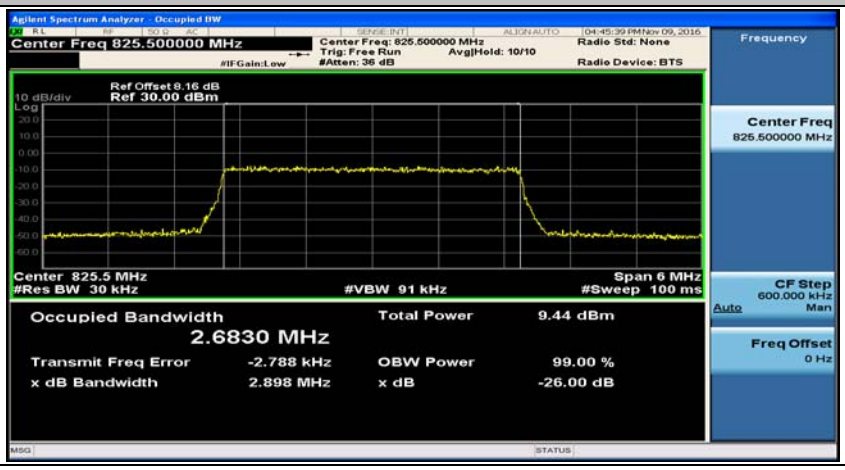
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



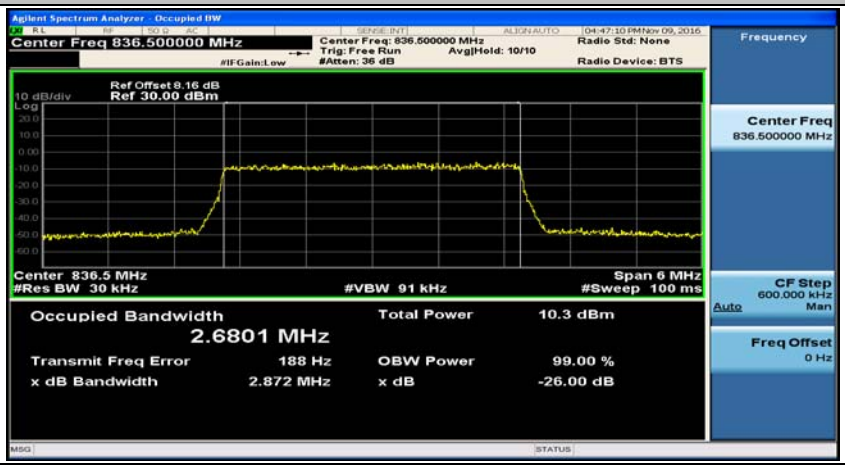
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



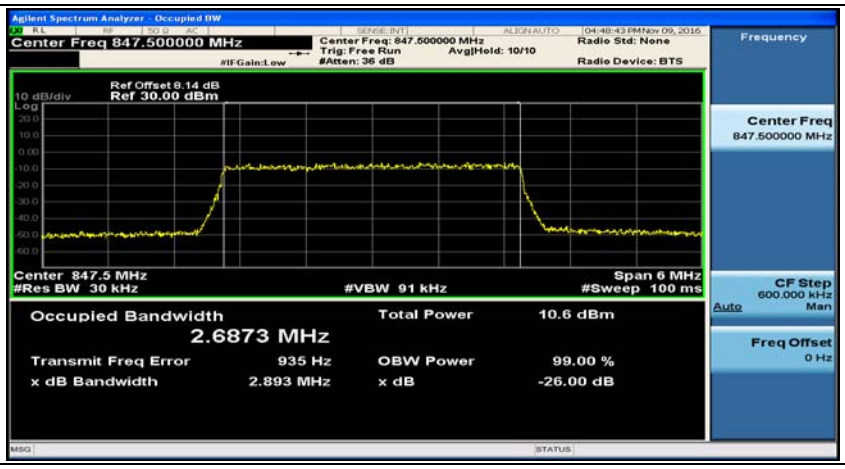
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

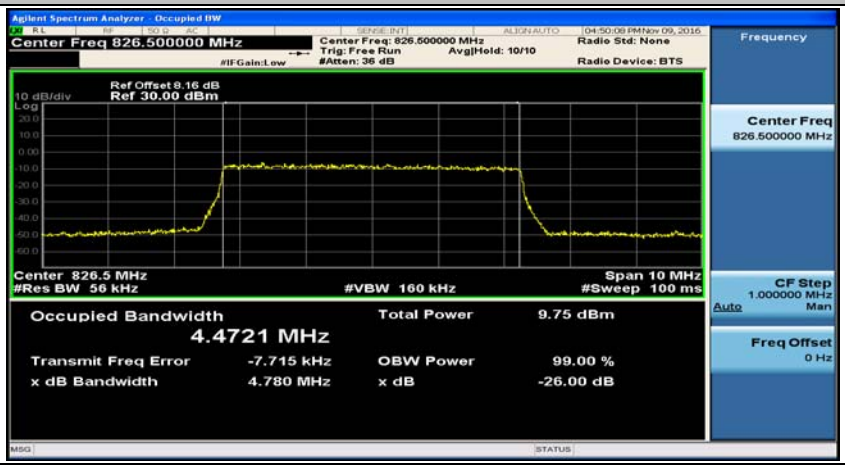


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

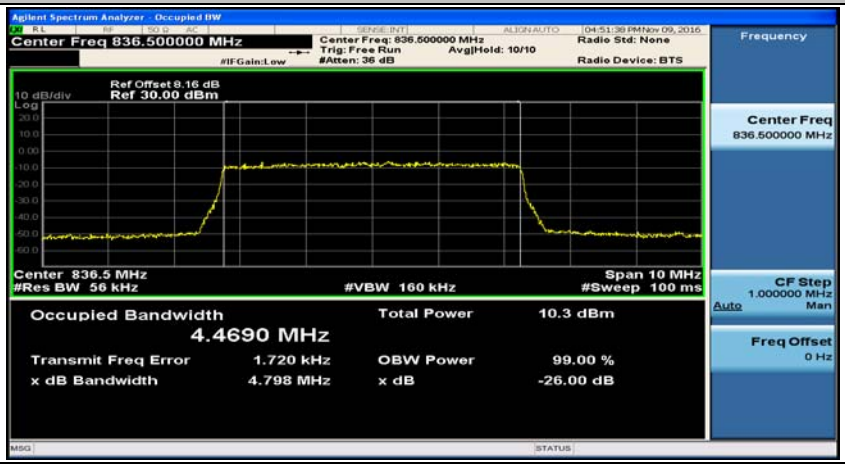


Channel Bandwidth: 5 MHz

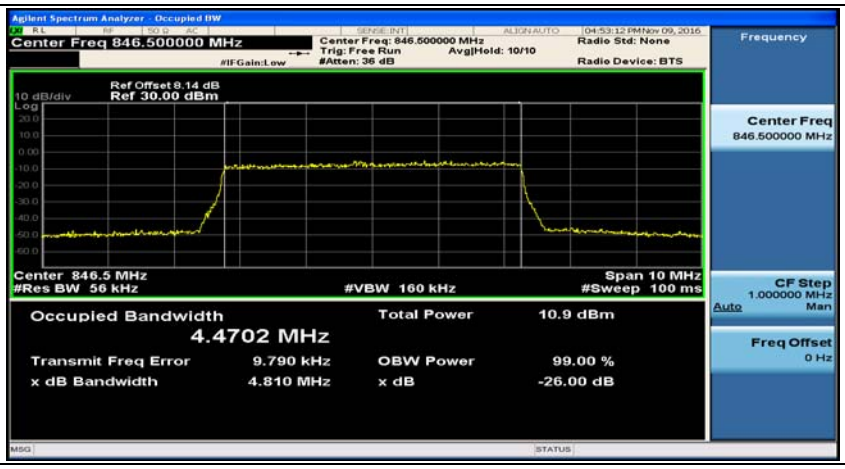
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



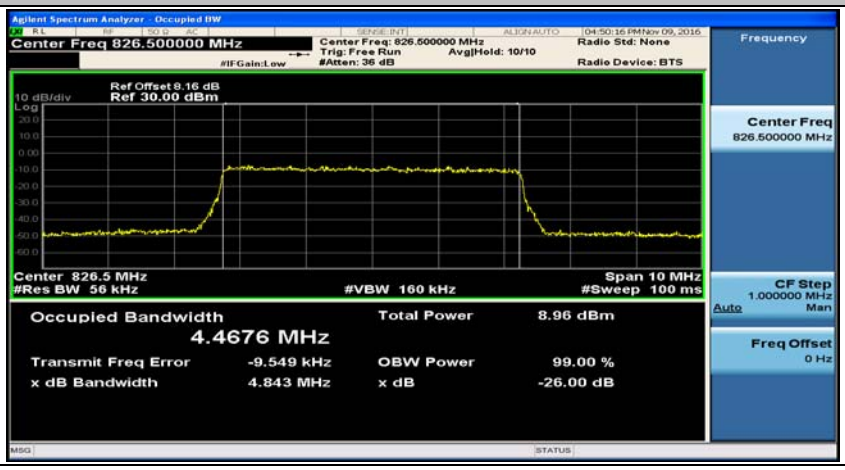
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



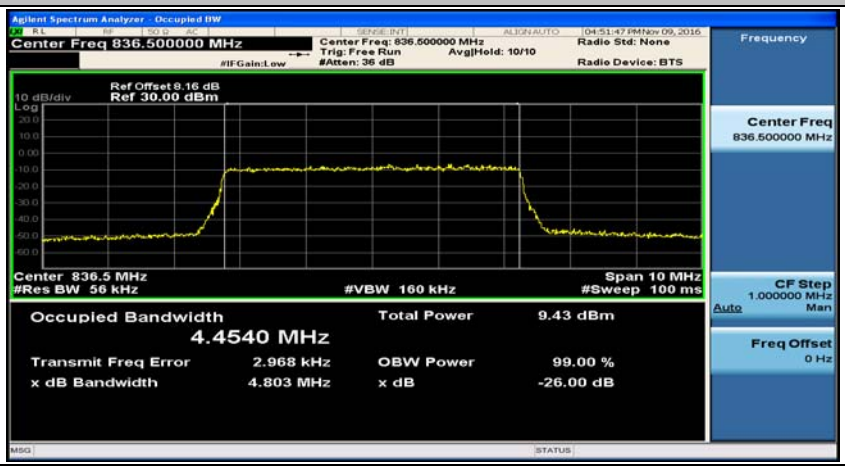
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



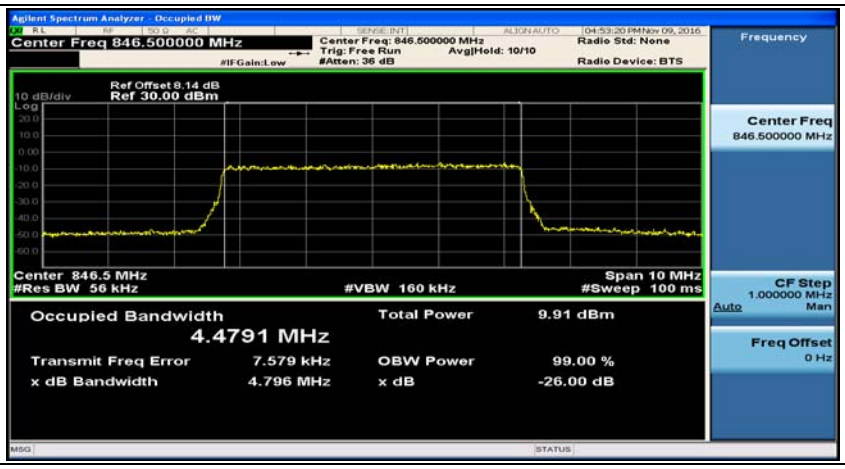
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

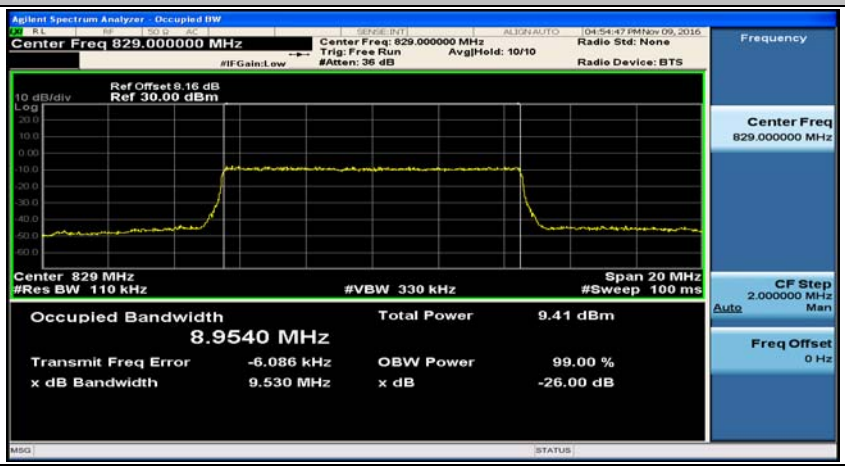


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

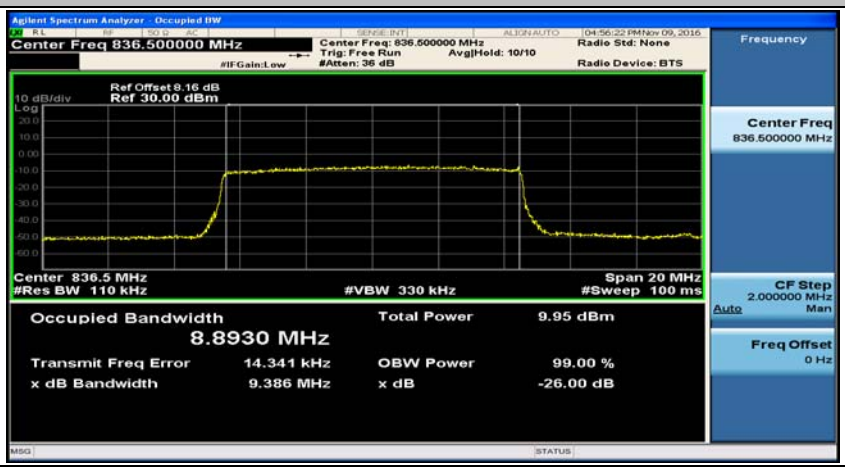


Channel Bandwidth: 10 MHz

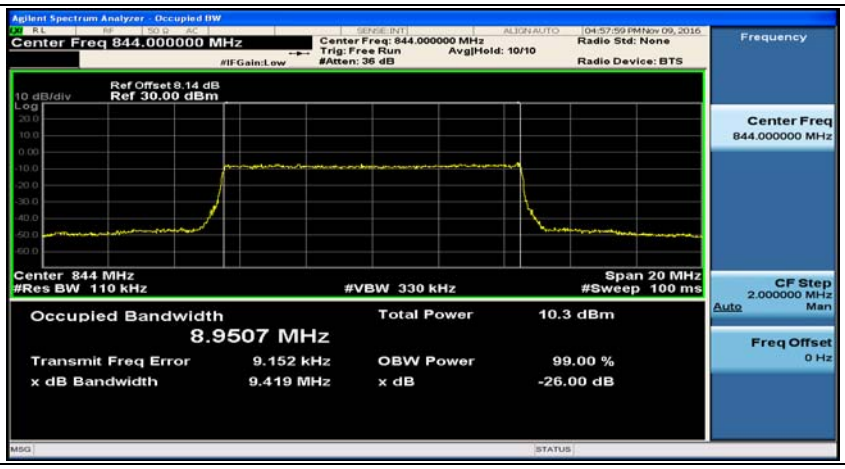
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



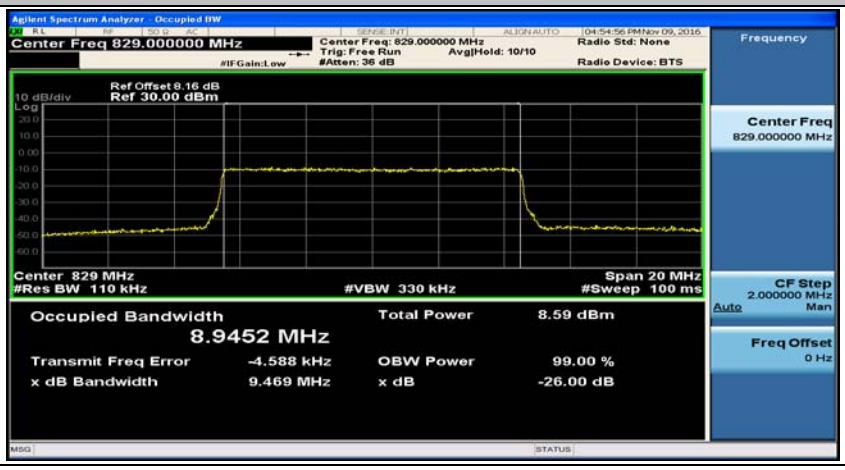
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



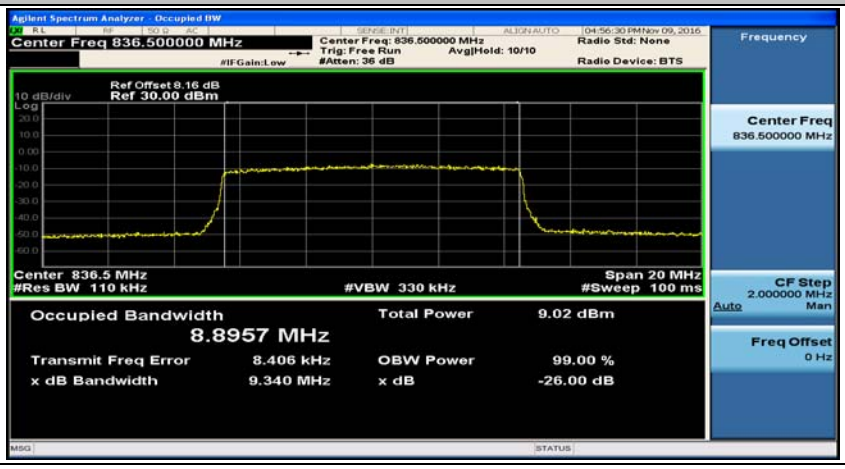
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



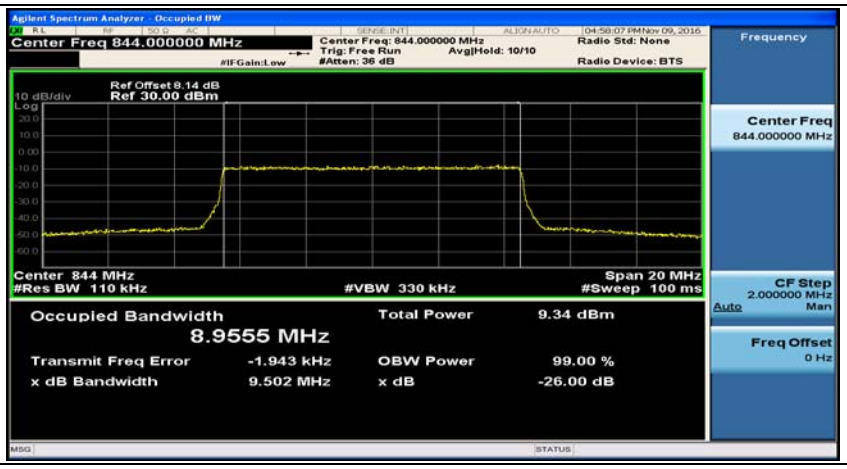
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

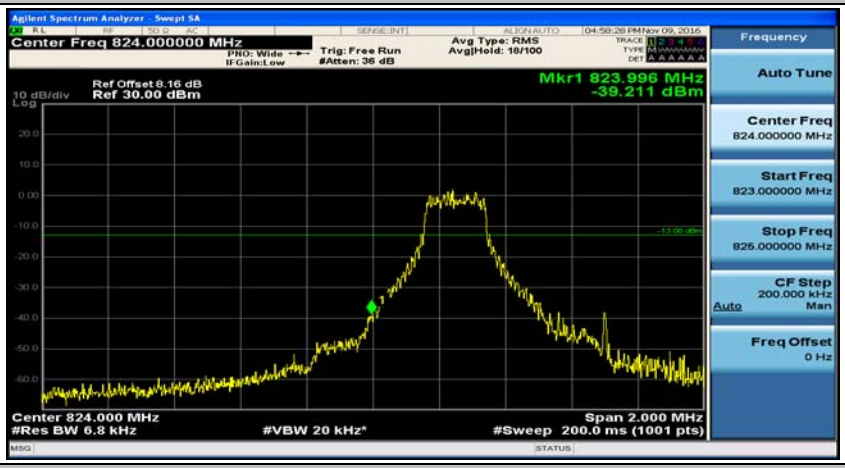

Agilent Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 36 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 8.14 dB
10 dB/div
Ref 30.00 dBm
Center Freq
844.000000 MHz
Center 844 MHz
#Res BW 110 kHz
#VBW 330 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9555 MHz
Total Power
9.34 dBm
Transmit Freq Error
-1.943 kHz
OBW Power
99.00 %
x dB Bandwidth
9.502 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

Appendix C: Band Edge

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

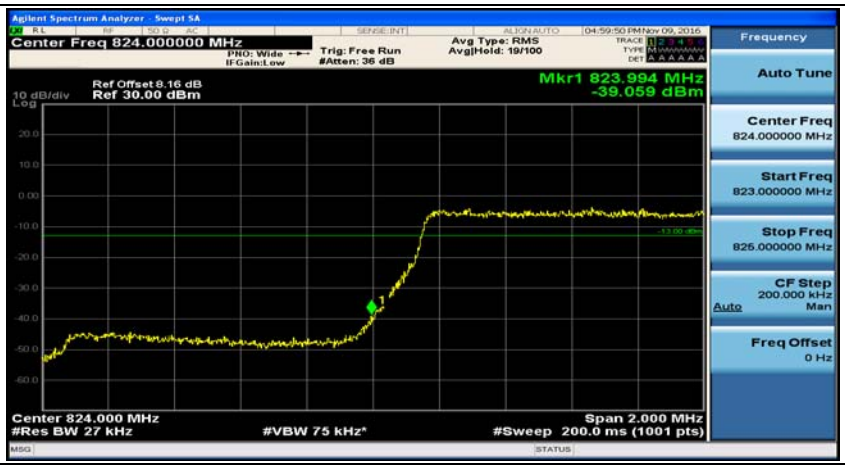
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

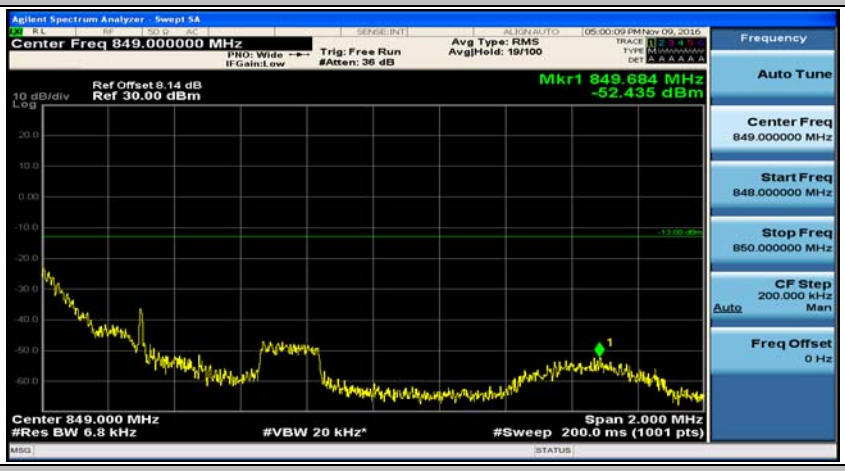
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

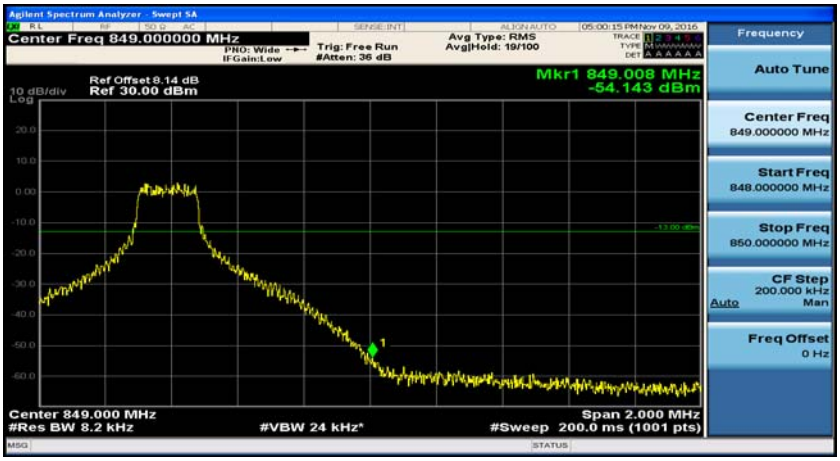
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



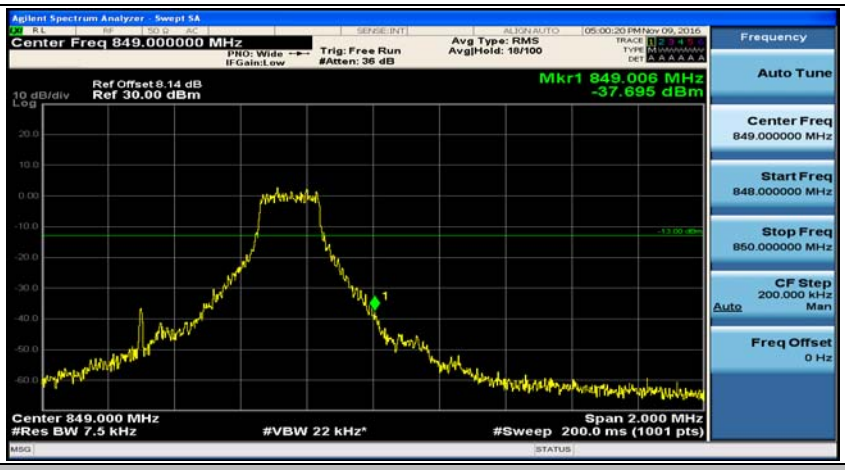
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

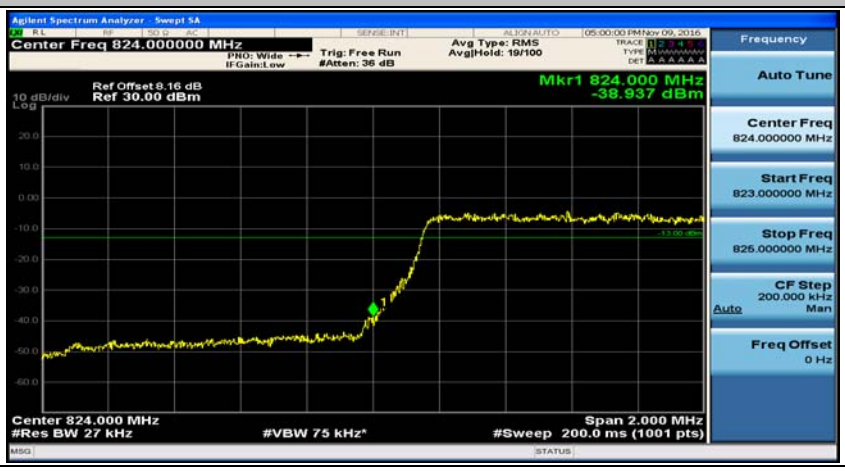
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

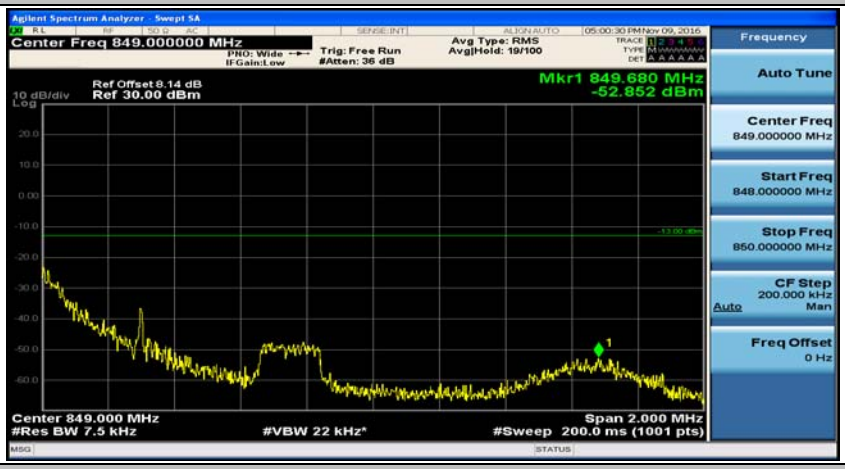
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

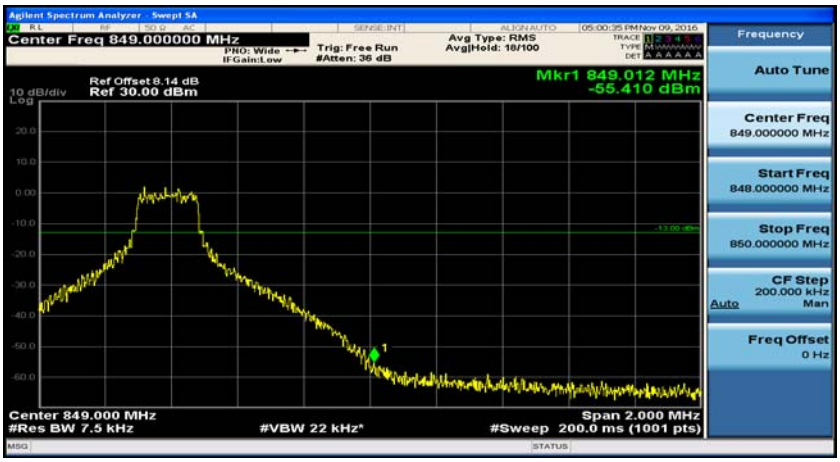
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



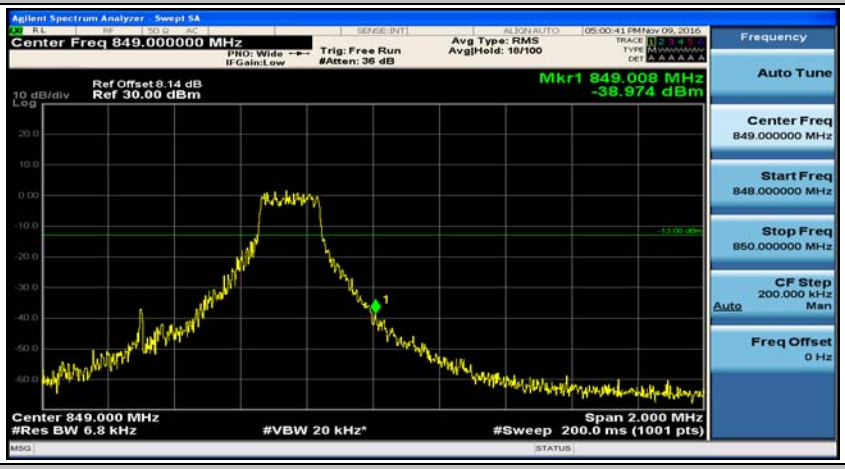
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

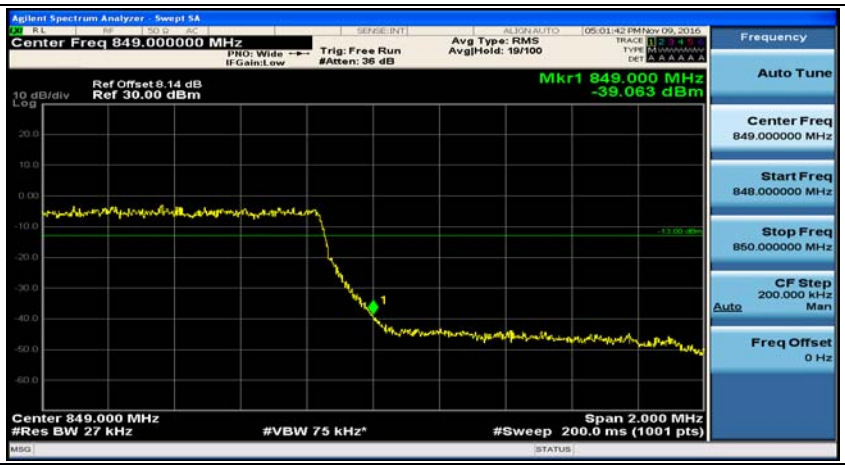


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

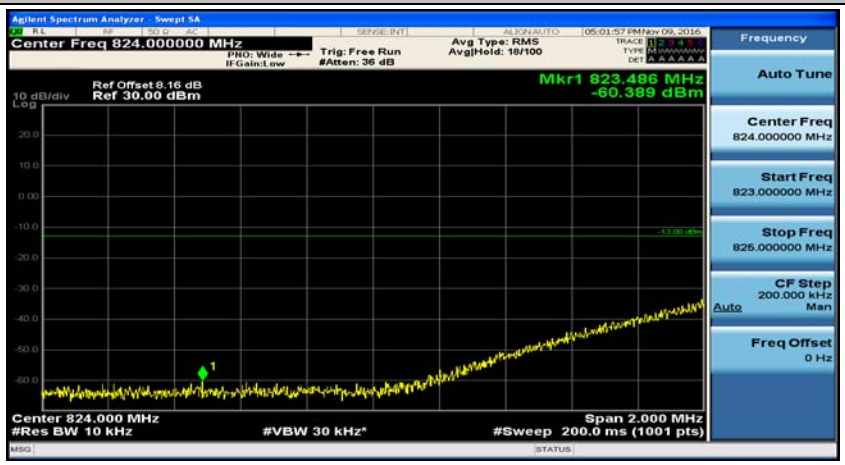
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



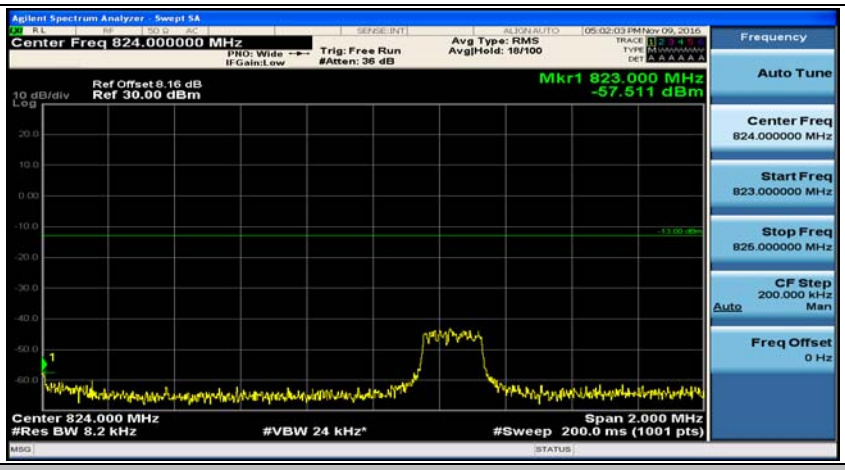
Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

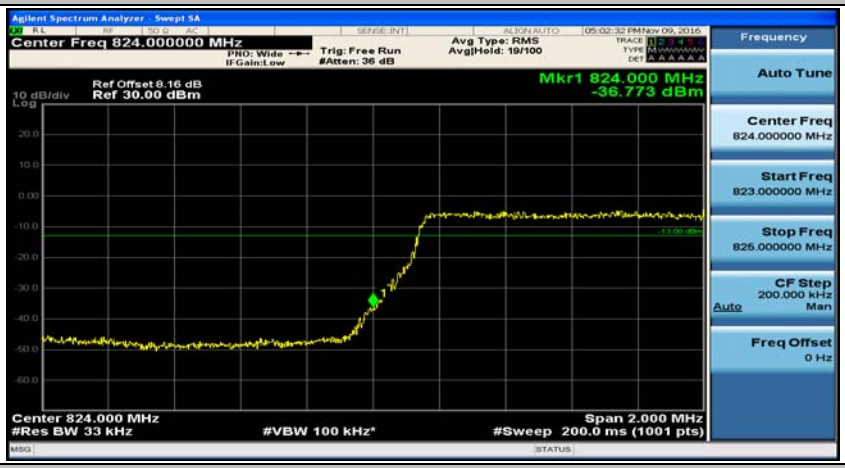
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



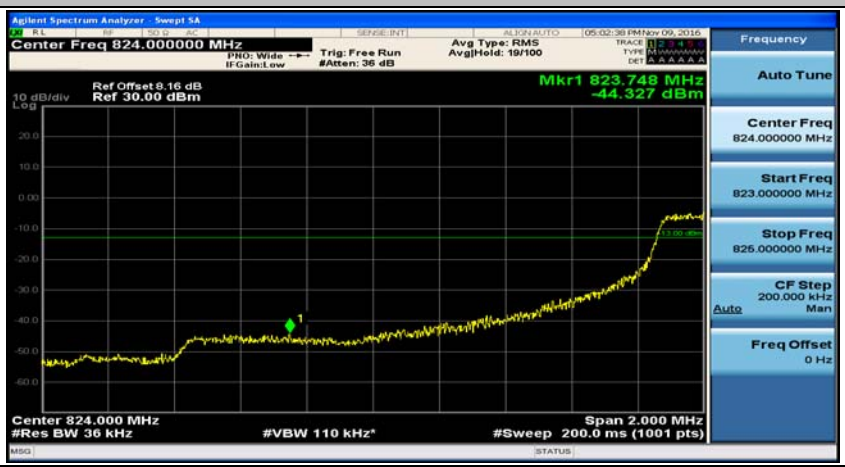
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

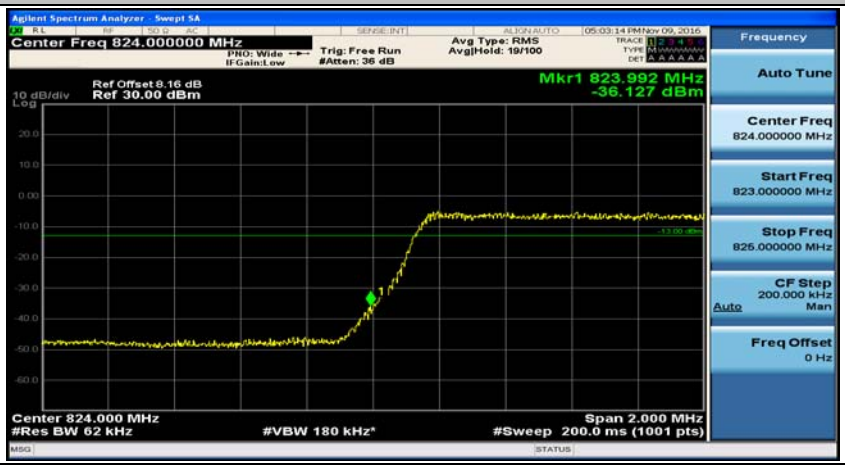


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

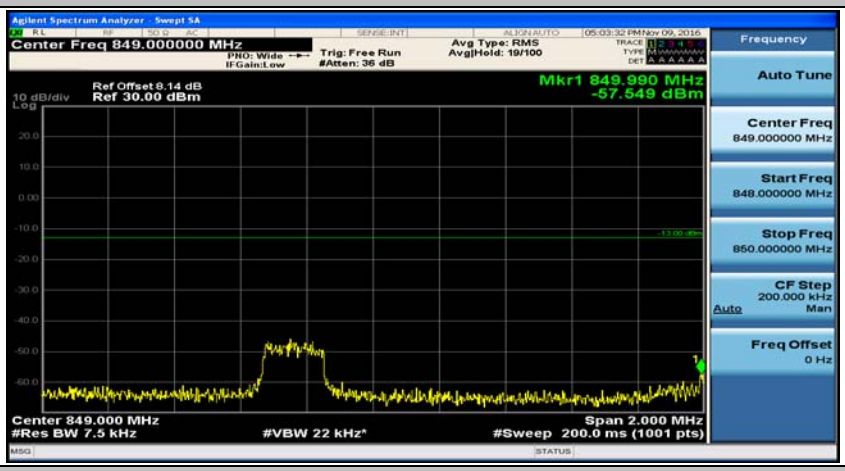


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

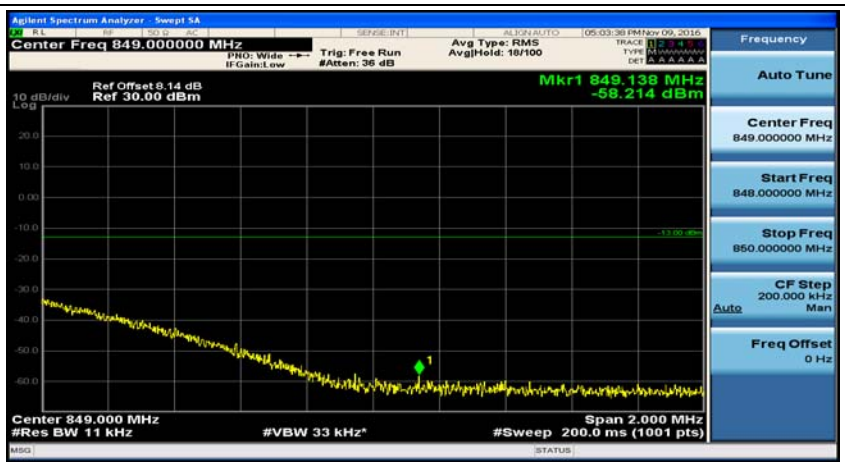
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



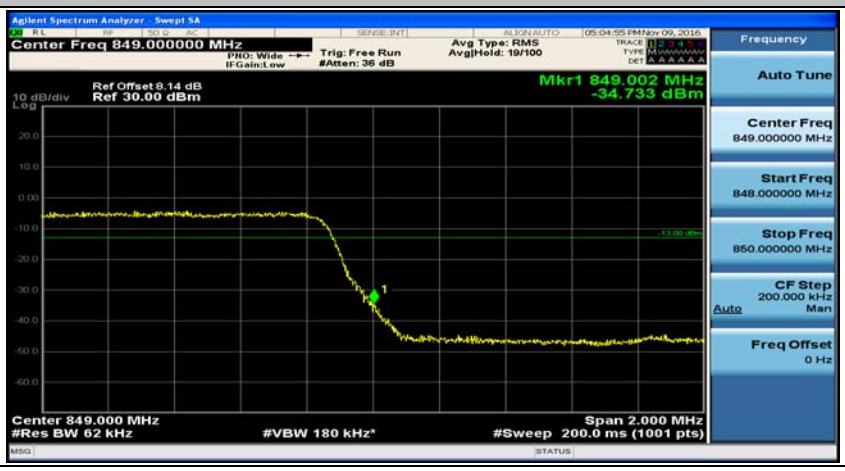
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

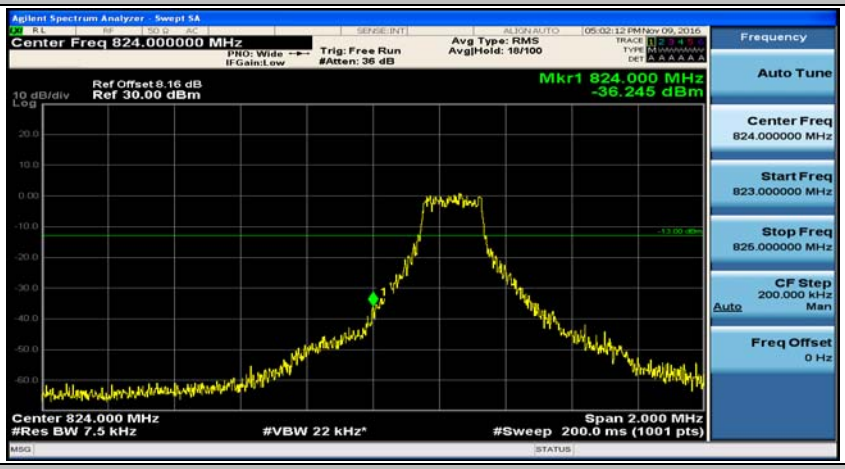
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7

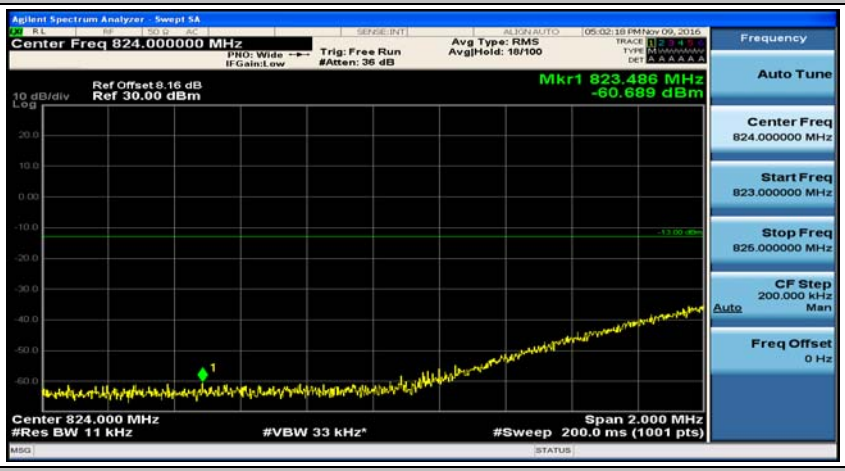
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



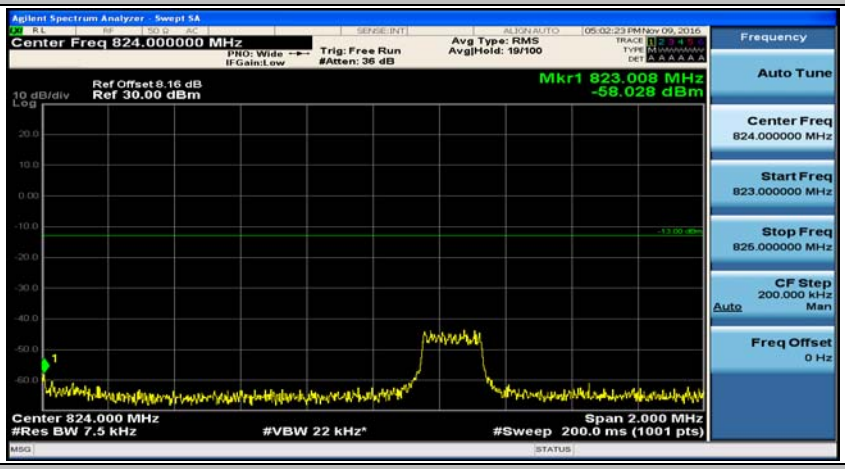
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

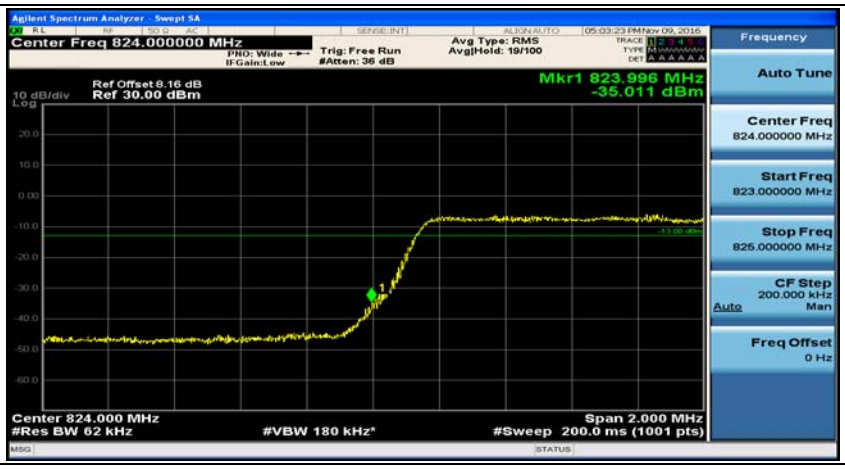


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

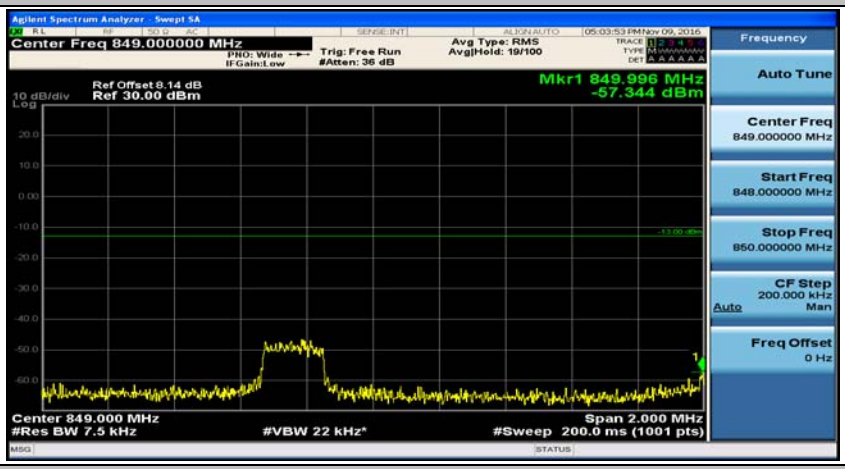
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

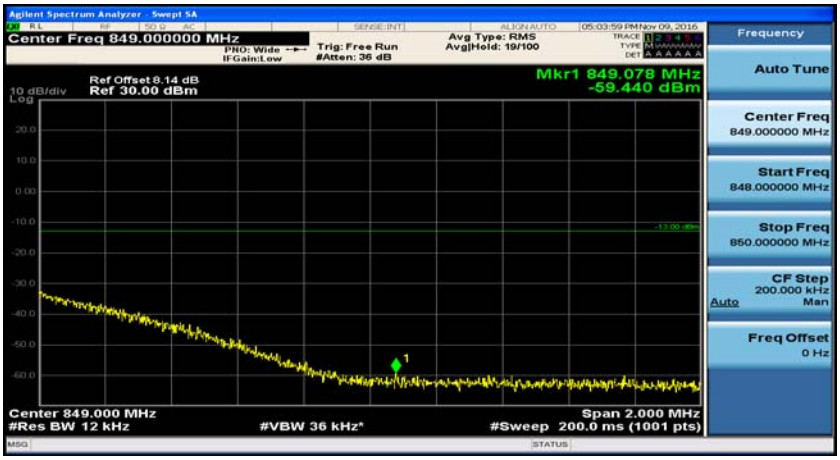
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



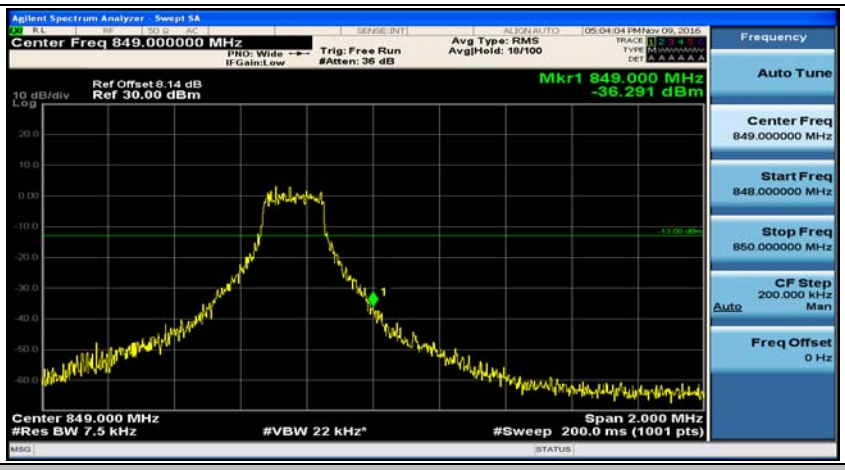
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

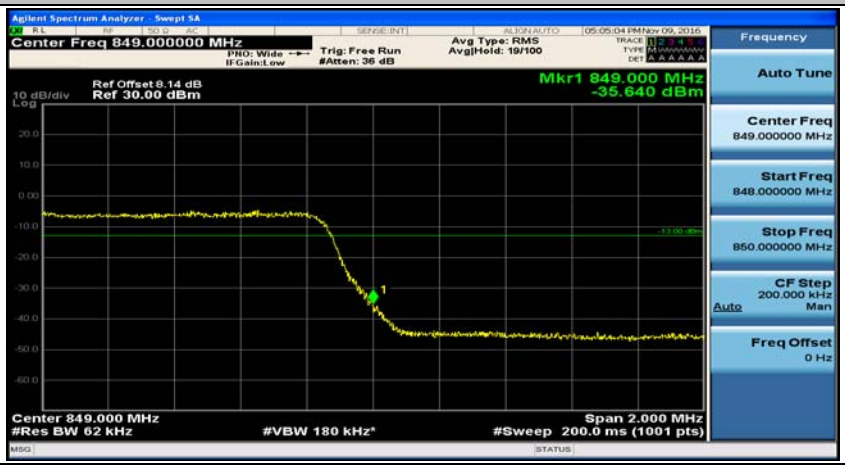


(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

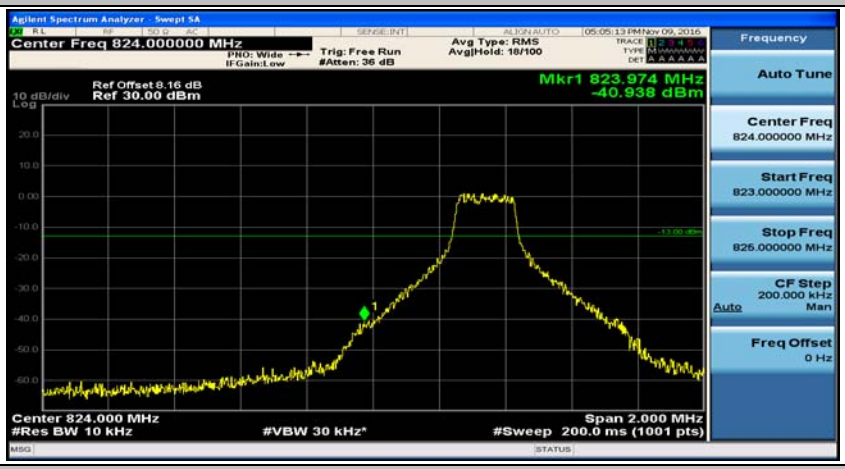
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

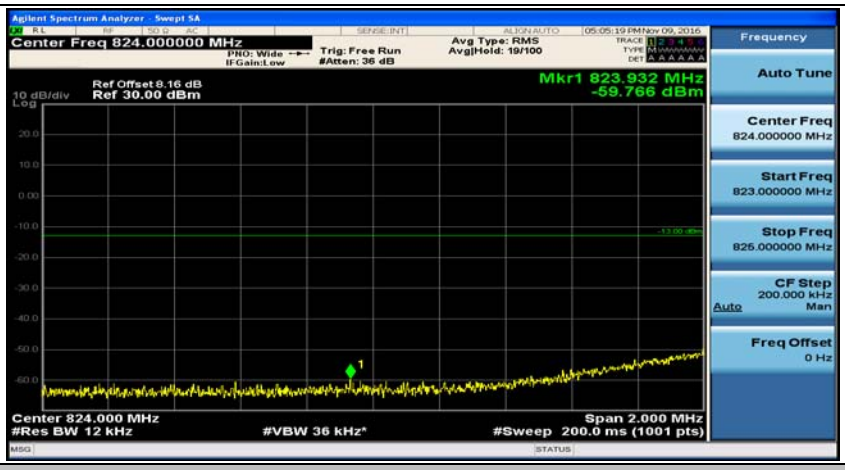


Channel Bandwidth: 5 MHz

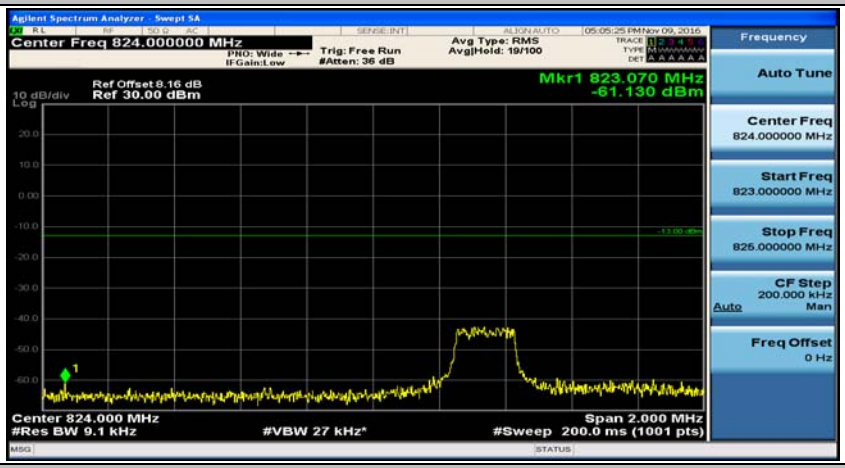
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



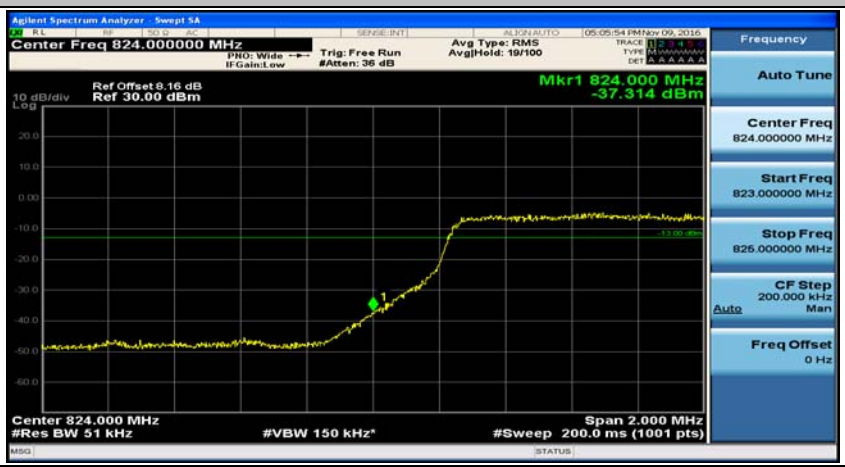
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



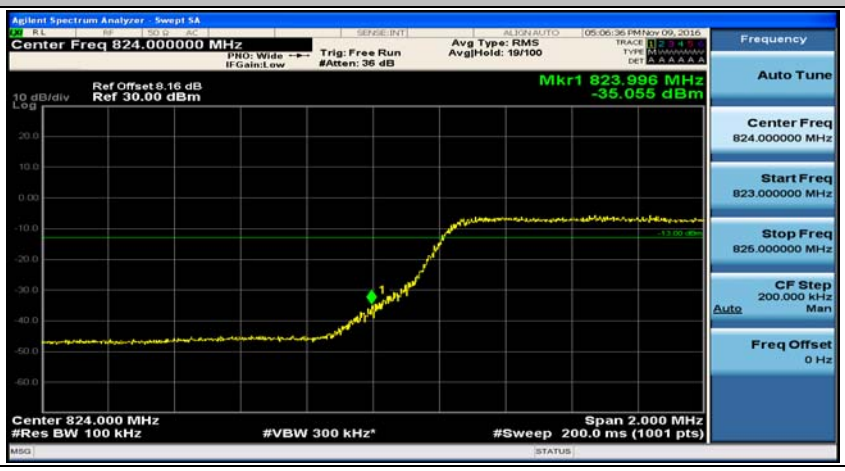
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



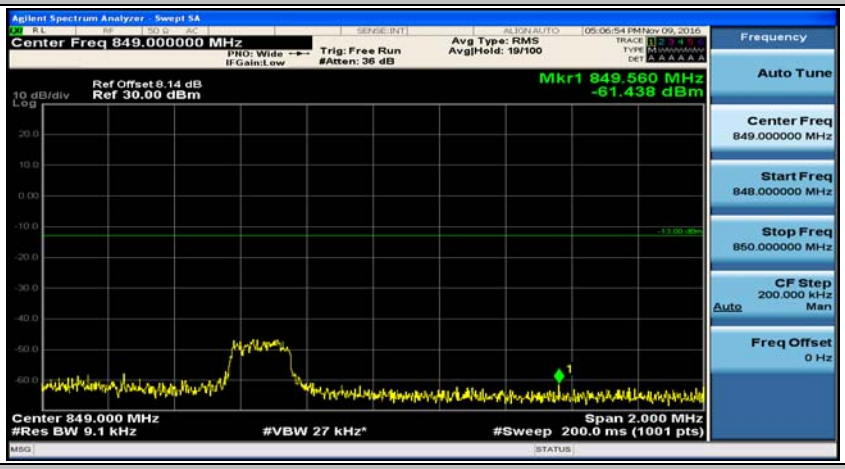
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

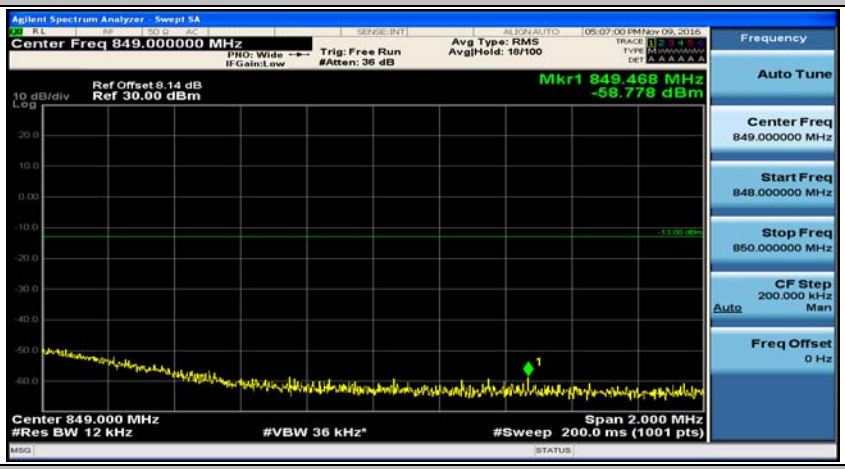
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



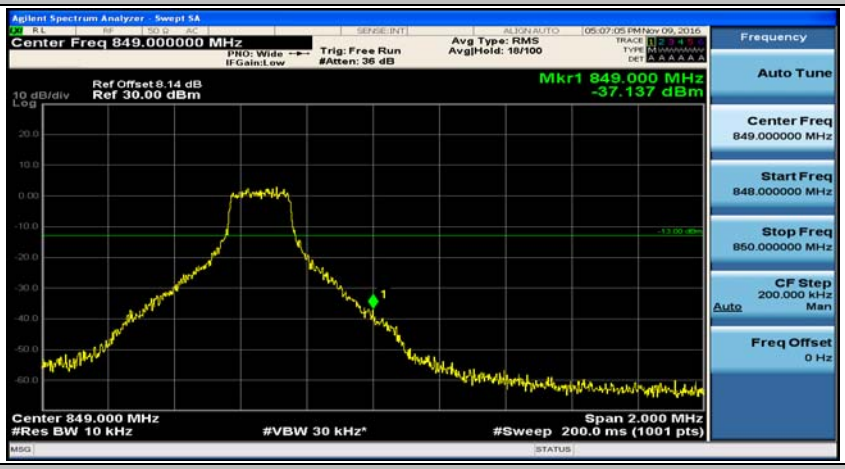
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



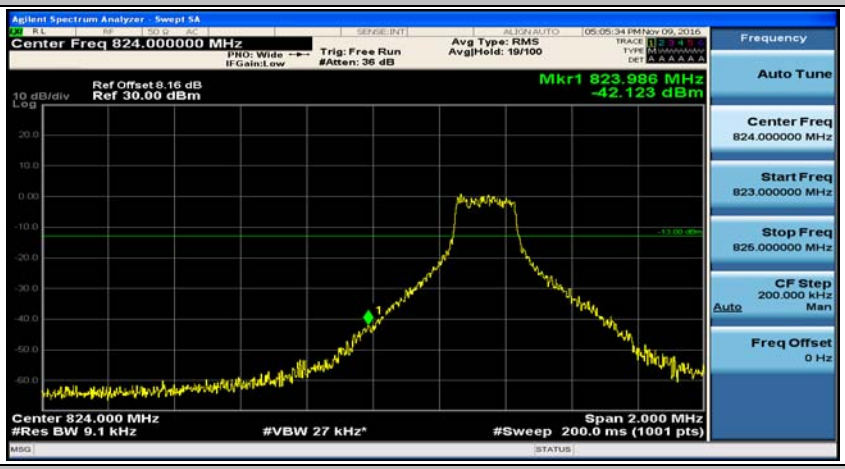
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

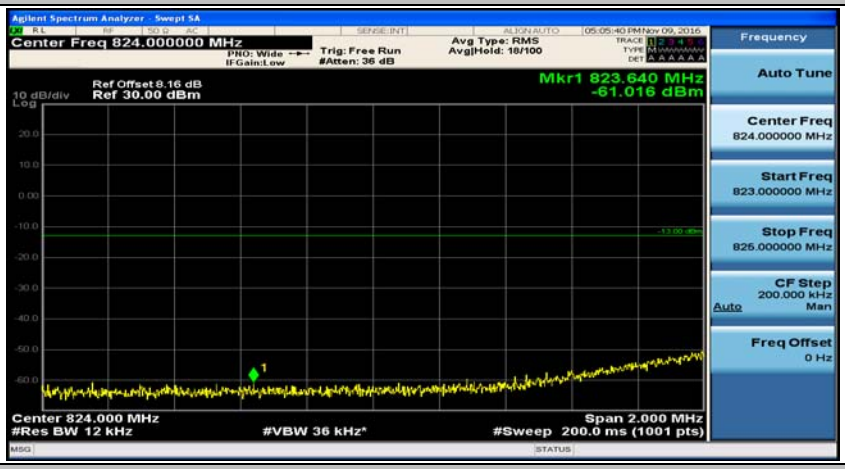
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

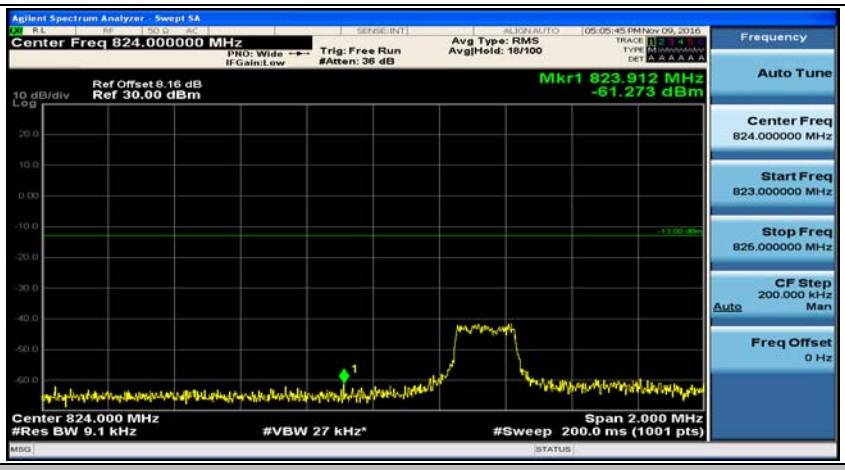
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



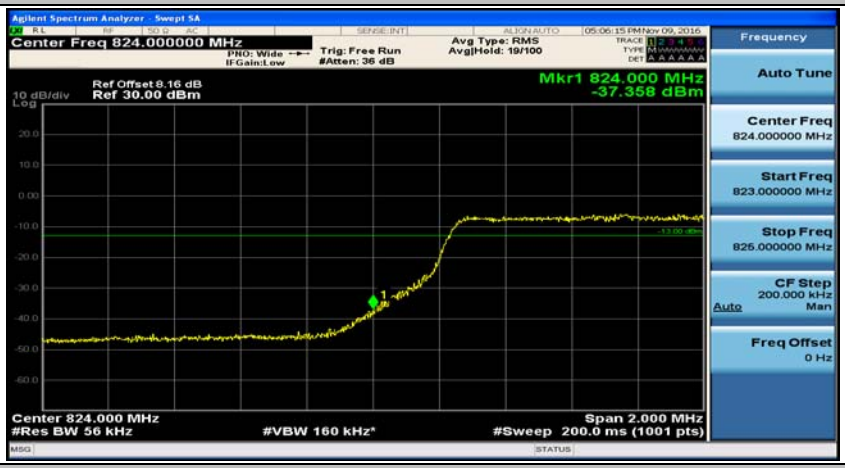
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



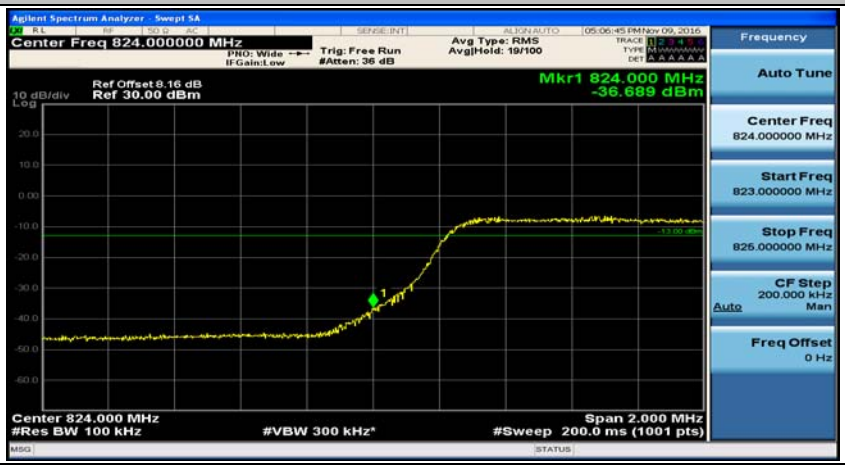
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



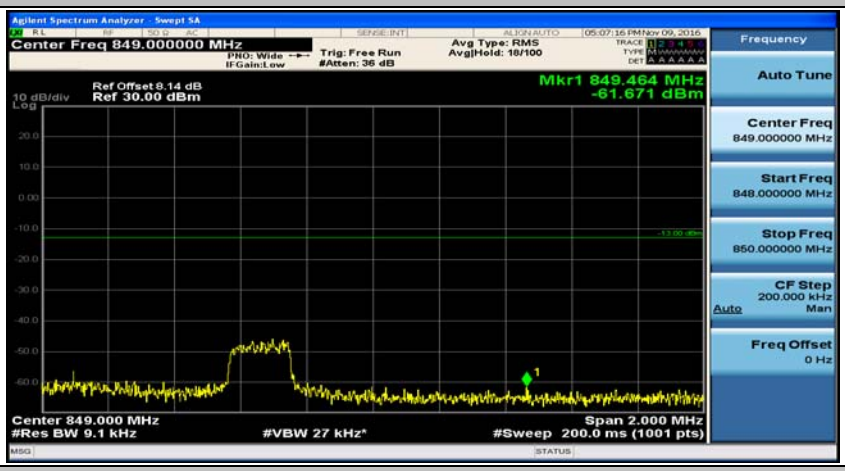
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

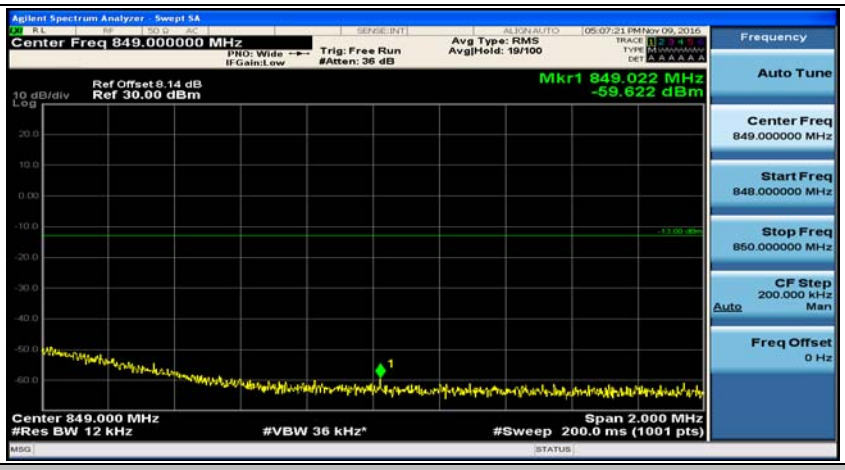
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



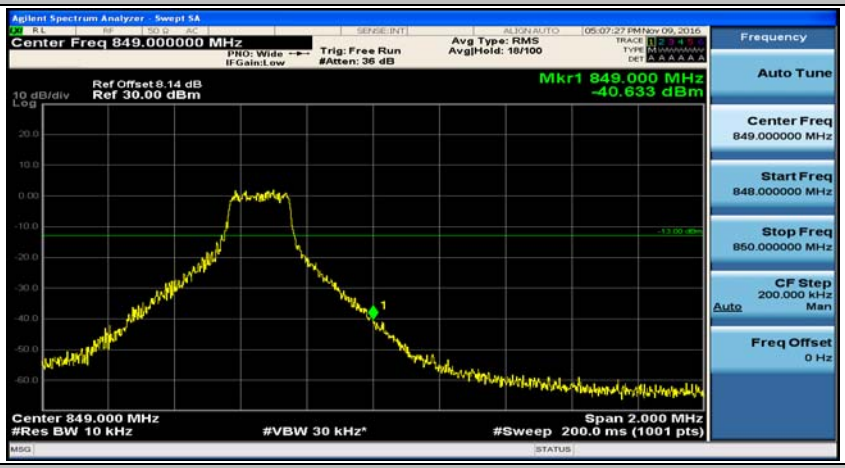
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



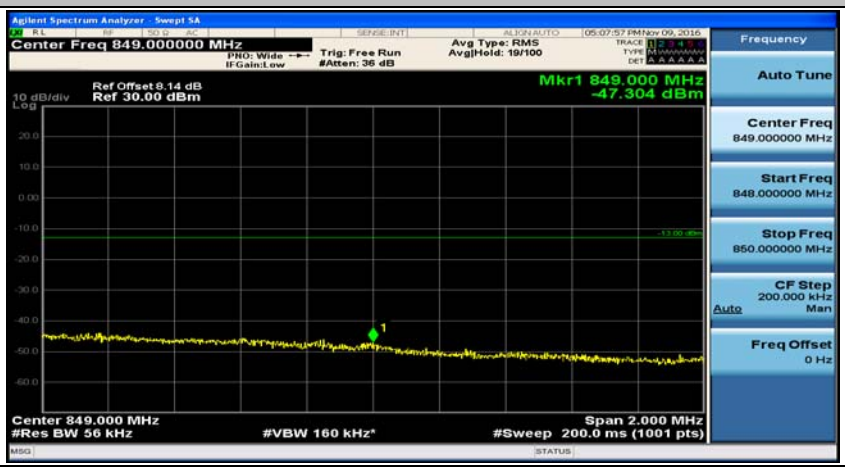
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

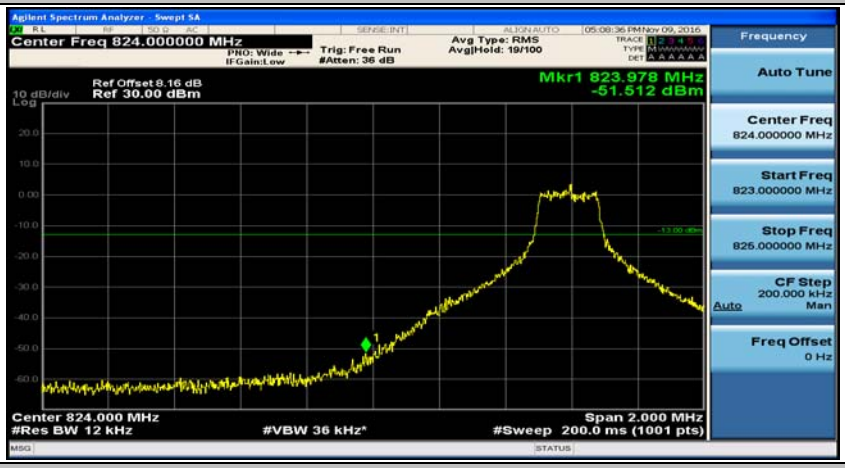
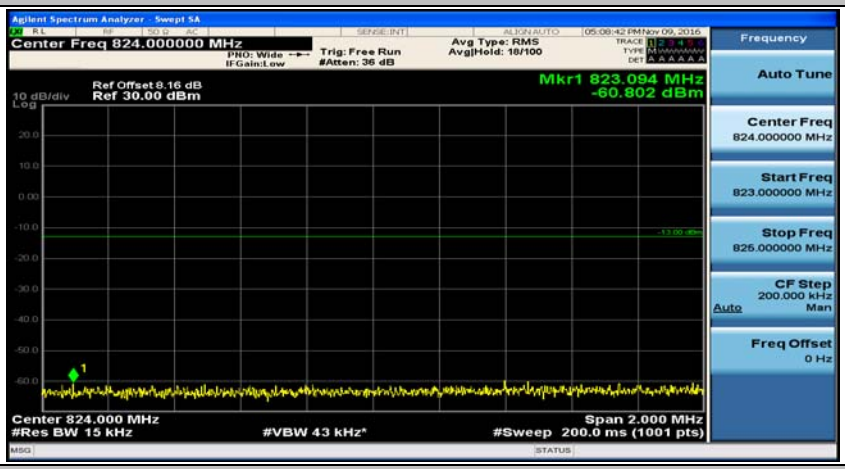
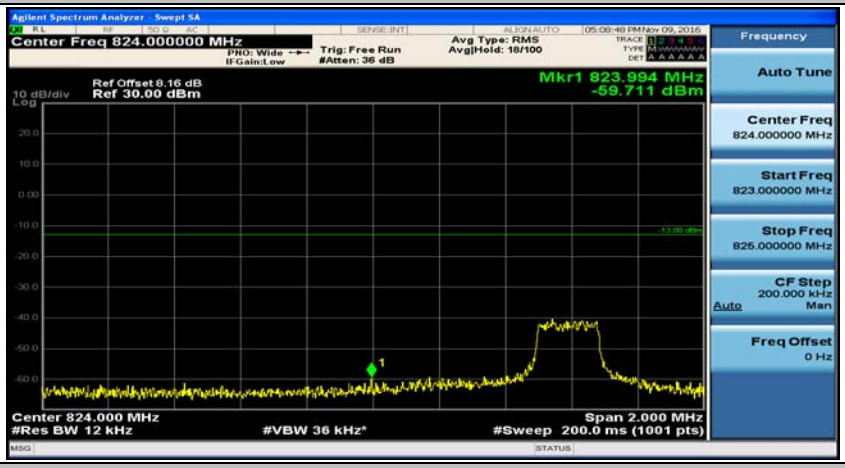


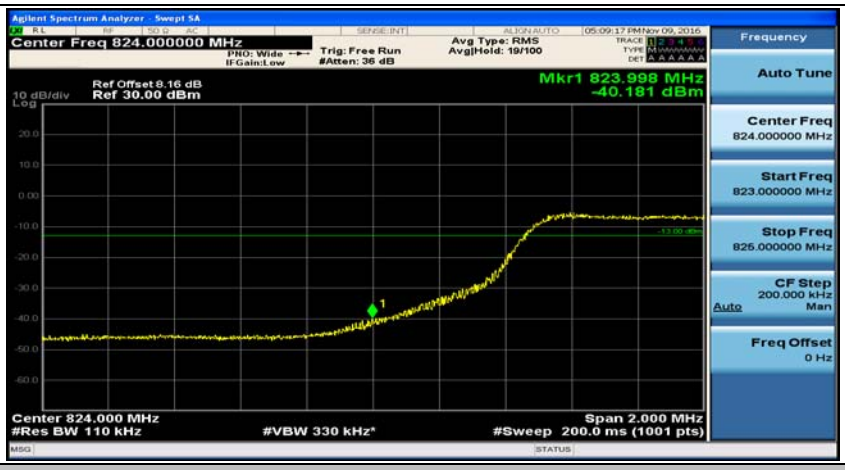
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

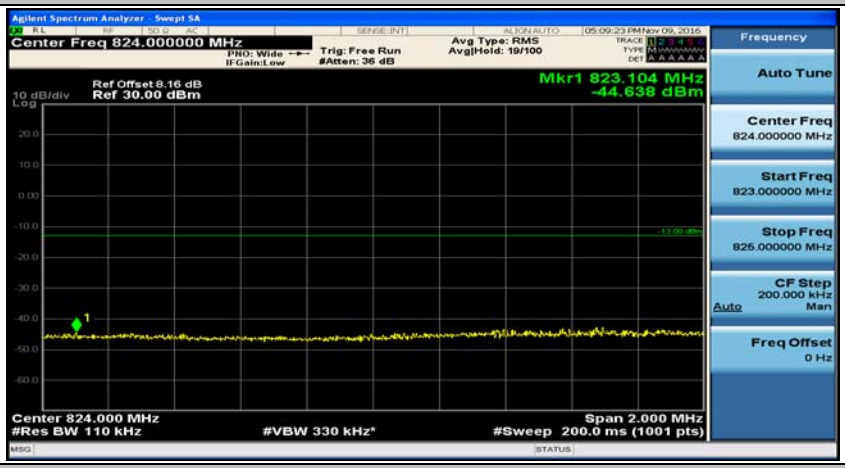
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

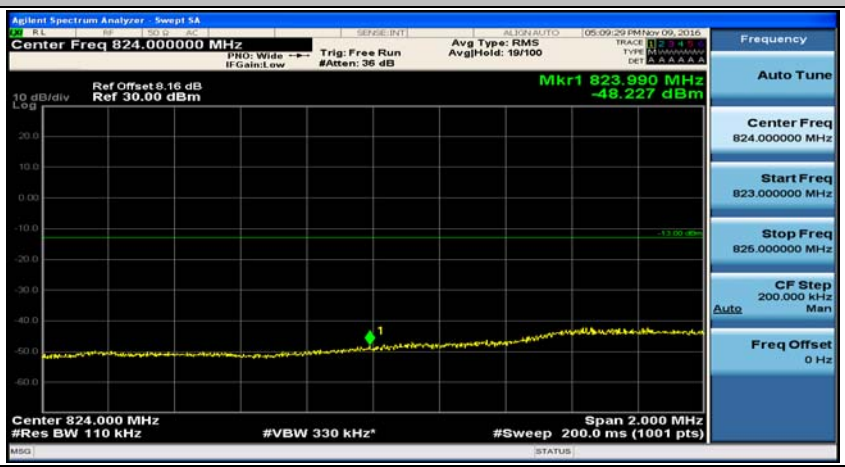
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



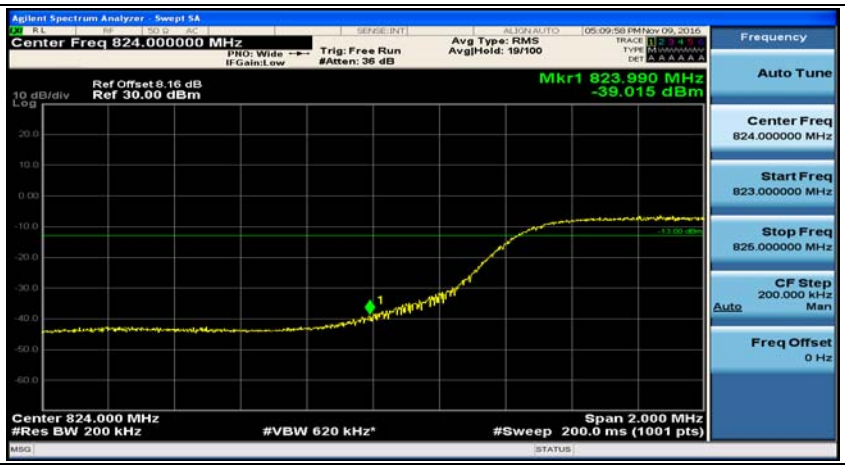
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



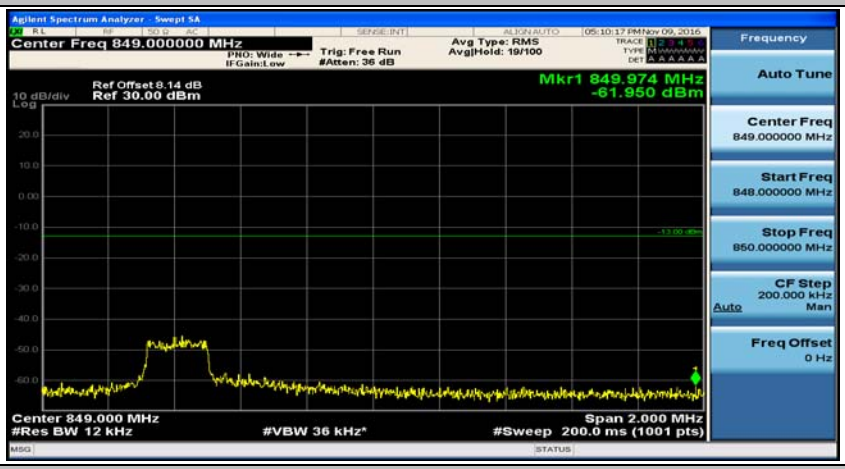
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



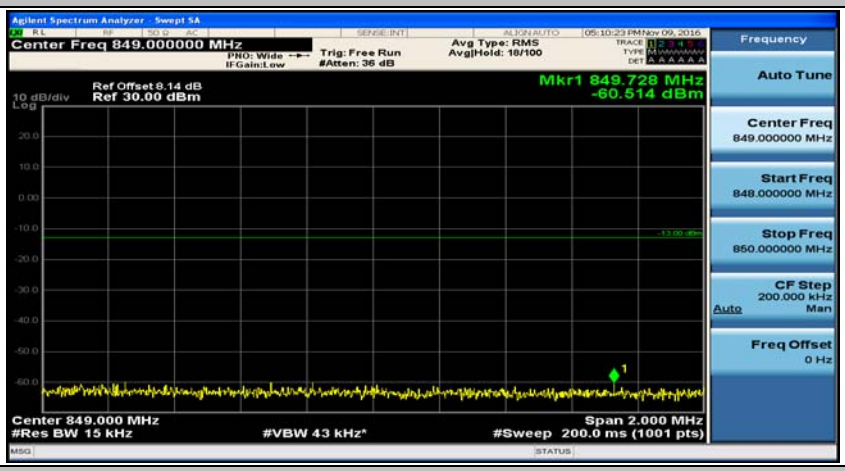
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

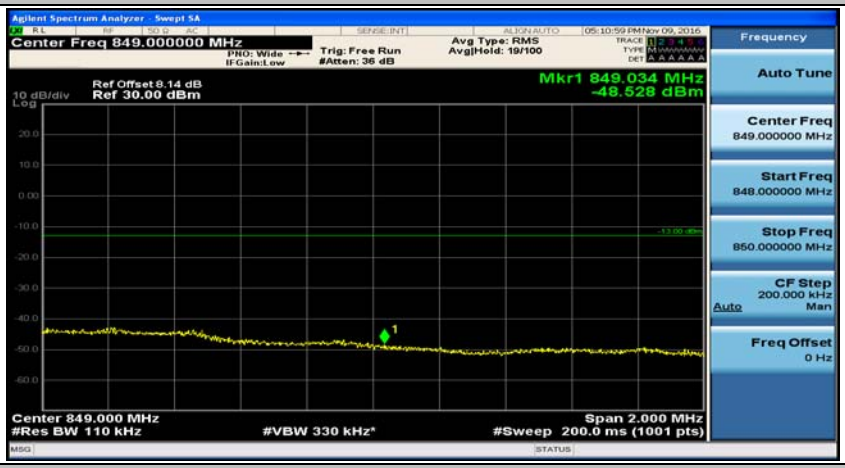


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

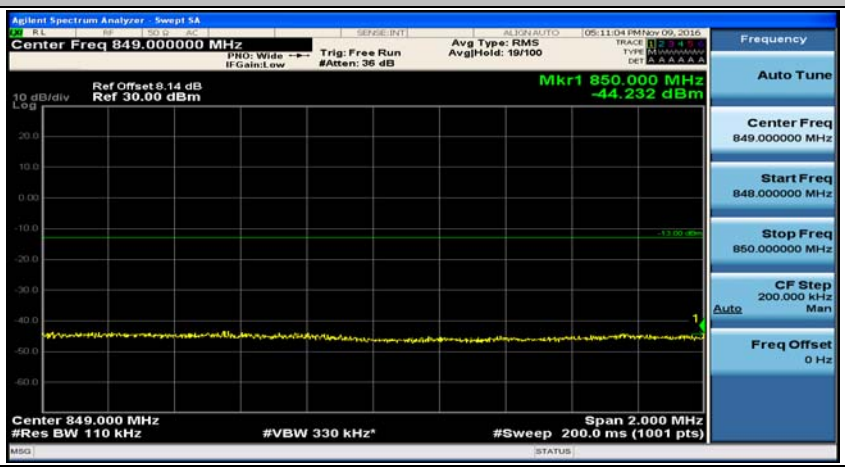


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



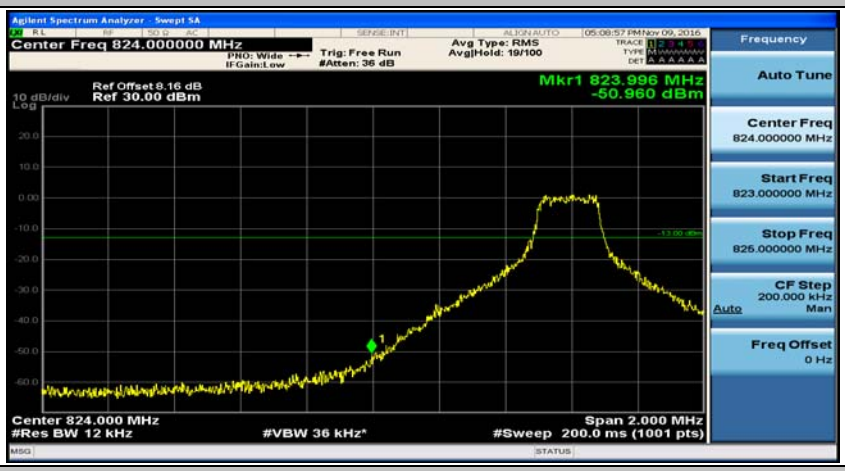
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



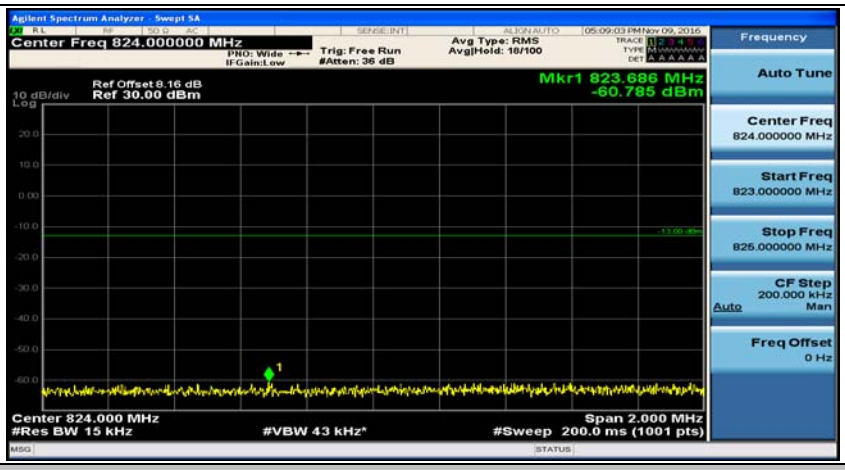
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

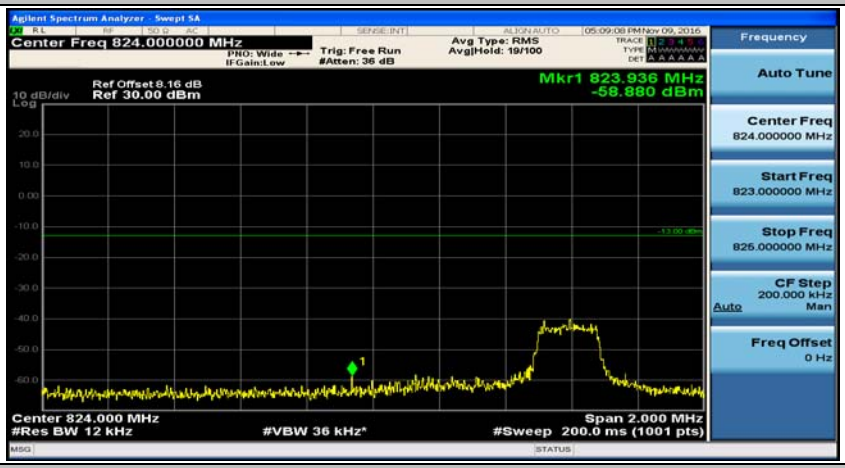
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



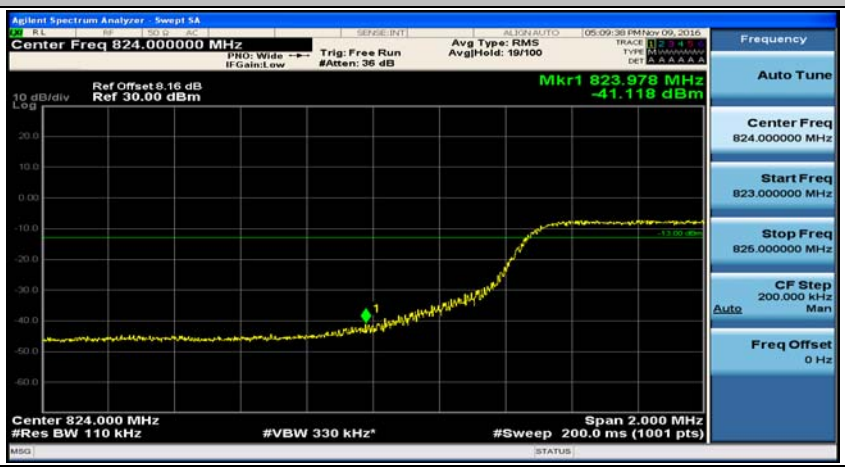
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



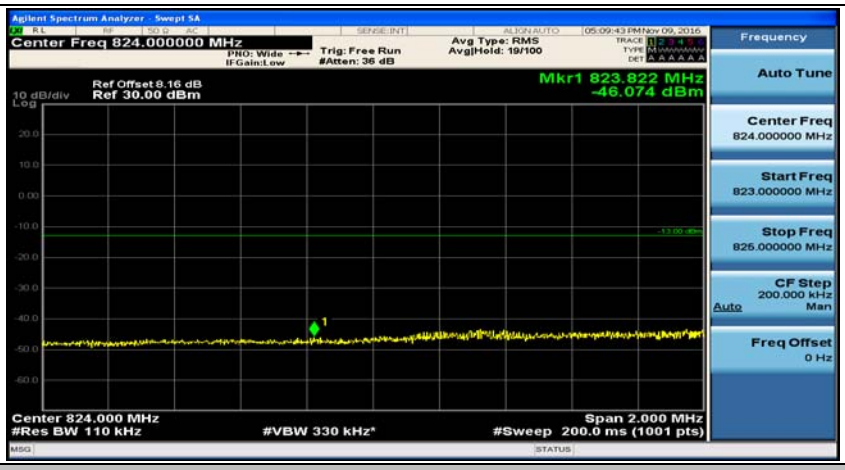
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



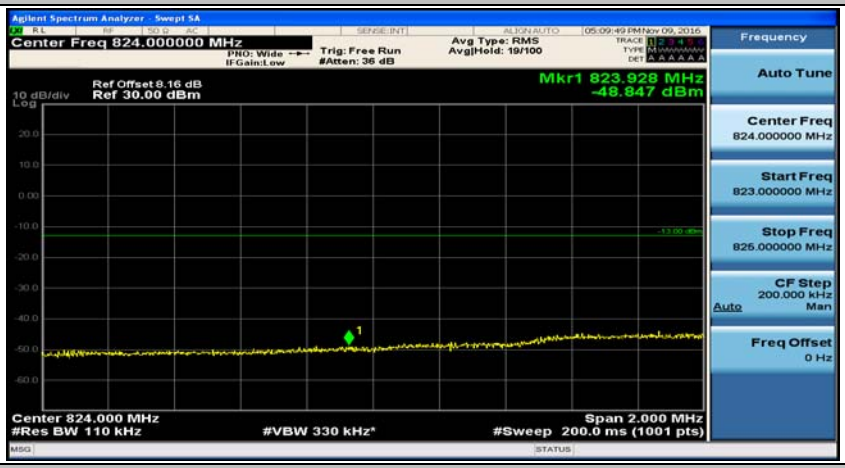
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



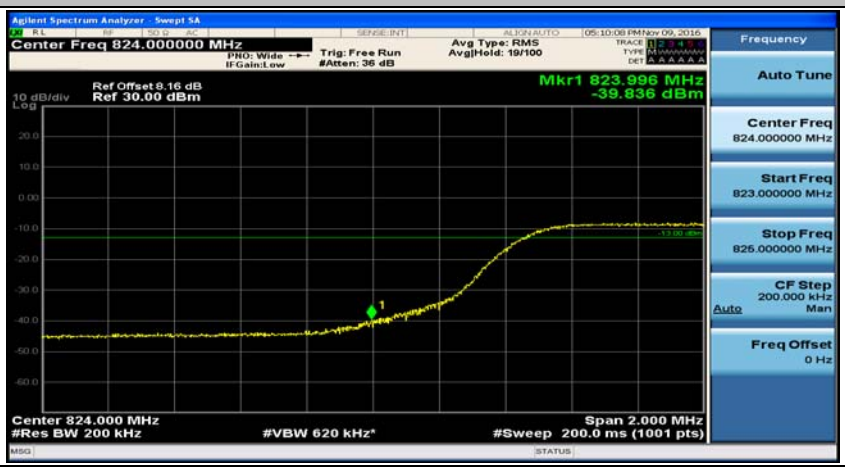
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



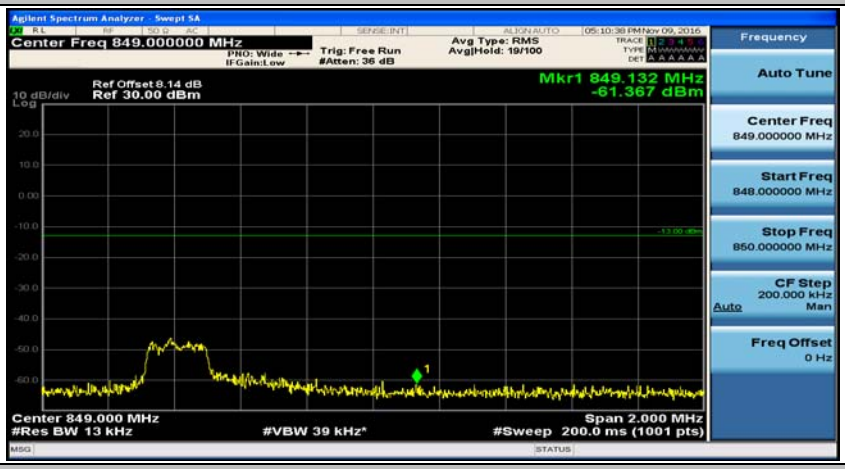
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



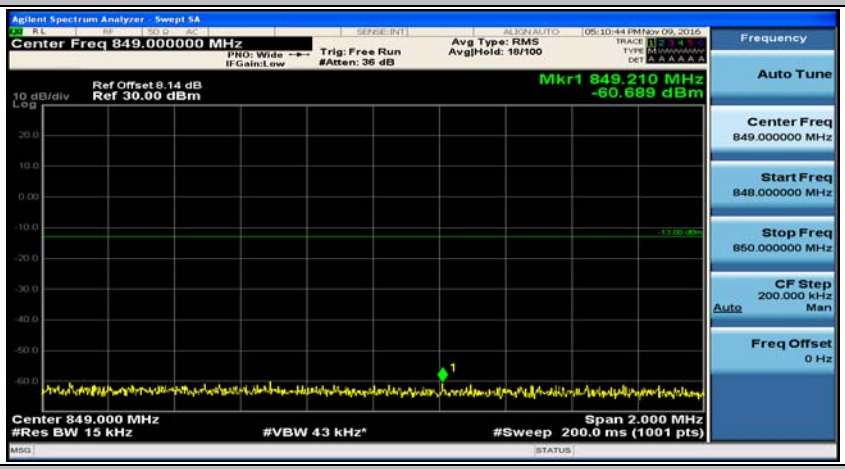
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

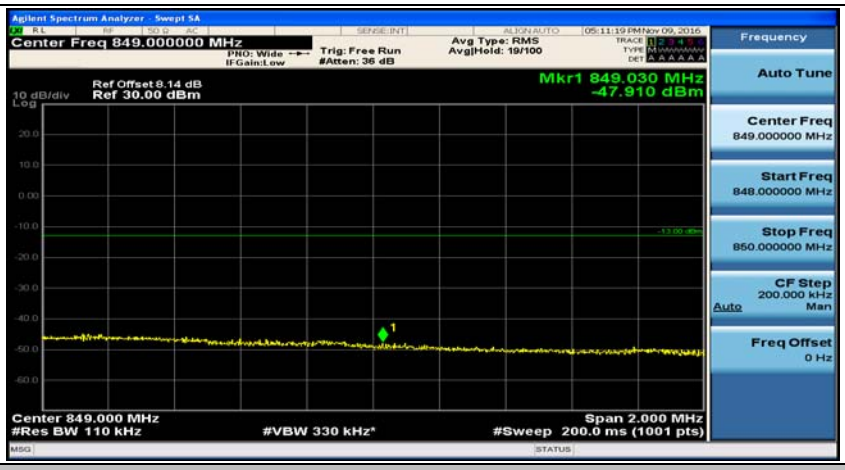


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

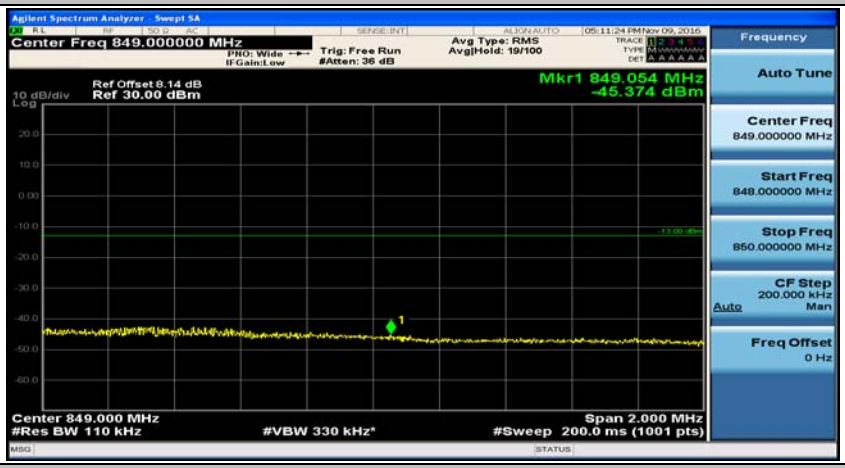


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0