

## Appendix for Band 5

### Appendix A: Average Power Output Data

#### Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.87	PASS
		1	3	23.73	PASS
		1	5	23.65	PASS
		3	0	23.57	PASS
		3	2	23.53	PASS
		3	3	23.55	PASS
		6	0	22.60	PASS
	MCH	1	0	23.47	PASS
		1	3	23.51	PASS
		1	5	23.40	PASS
		3	0	23.50	PASS
		3	2	23.48	PASS
		3	3	23.42	PASS
		6	0	22.58	PASS
16QAM	HCH	1	0	23.58	PASS
		1	3	23.60	PASS
		1	5	23.46	PASS
		3	0	23.46	PASS
		3	2	23.53	PASS
		3	3	23.49	PASS
		6	0	22.60	PASS
	LCH	1	0	22.75	PASS
		1	3	22.80	PASS
		1	5	22.75	PASS
		3	0	22.62	PASS
		3	2	22.57	PASS
		3	3	22.57	PASS
		6	0	21.46	PASS

		1	0	22.67	PASS
		1	3	22.75	PASS
		1	5	22.63	PASS
		3	0	22.50	PASS
		3	2	22.47	PASS
		3	3	22.46	PASS
		6	0	21.36	PASS
		1	0	22.70	PASS
		1	3	22.70	PASS
		1	5	22.65	PASS
		3	0	22.60	PASS
		3	2	22.48	PASS
		3	3	22.53	PASS
		6	0	21.37	PASS

### Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.45	PASS
		1	7	23.40	PASS
		1	14	23.39	PASS
		8	0	22.50	PASS
		8	4	22.51	PASS
		8	7	22.51	PASS
		15	0	22.57	PASS
	MCH	1	0	23.36	PASS
		1	7	23.40	PASS
		1	14	23.31	PASS
		8	0	22.48	PASS
		8	4	22.48	PASS
		8	7	22.42	PASS
		15	0	22.52	PASS
	HCH	1	0	23.31	PASS
		1	7	23.36	PASS
		1	14	23.35	PASS
		8	0	22.43	PASS
		8	4	22.51	PASS
		8	7	22.49	PASS
		15	0	22.45	PASS
16QAM	LCH	1	0	22.76	PASS
		1	7	22.65	PASS

		1	14	22.67	PASS
		8	0	21.47	PASS
		8	4	21.48	PASS
		8	7	21.45	PASS
		15	0	21.50	PASS
	MCH	1	0	22.64	PASS
		1	7	22.72	PASS
		1	14	22.61	PASS
		8	0	21.43	PASS
		8	4	21.47	PASS
		8	7	21.37	PASS
		15	0	21.39	PASS
		1	0	22.49	PASS
	HCH	1	7	22.61	PASS
		1	14	22.68	PASS
		8	0	21.40	PASS
		8	4	21.44	PASS
		8	7	21.44	PASS
		15	0	21.32	PASS

### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.46	PASS
		1	12	23.28	PASS
		1	24	23.42	PASS
		12	0	22.38	PASS
		12	6	22.40	PASS
		12	13	22.36	PASS
		25	0	22.58	PASS
	MCH	1	0	23.23	PASS
		1	12	23.31	PASS
		1	24	23.09	PASS
		12	0	22.38	PASS
		12	6	22.41	PASS
		12	13	22.30	PASS
		25	0	22.44	PASS
	HCH	1	0	23.36	PASS
		1	12	23.13	PASS
		1	24	23.20	PASS
		12	0	22.38	PASS

		12	6	22.30	PASS
		12	13	22.40	PASS
		25	0	22.29	PASS
16QAM	LCH	1	0	22.69	PASS
		1	12	22.60	PASS
		1	24	22.55	PASS
		12	0	21.54	PASS
		12	6	21.55	PASS
		12	13	21.50	PASS
		25	0	21.42	PASS
	MCH	1	0	22.50	PASS
		1	12	22.51	PASS
		1	24	22.60	PASS
		12	0	21.56	PASS
		12	6	21.59	PASS
		12	13	21.49	PASS
		25	0	21.44	PASS
	HCH	1	0	22.51	PASS
		1	12	22.49	PASS
		1	24	22.45	PASS
		12	0	21.49	PASS
		12	6	21.44	PASS
		12	13	21.54	PASS
		25	0	21.40	PASS

### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.38	PASS
		1	24	23.28	PASS
		1	49	23.33	PASS
		25	0	22.36	PASS
		25	12	22.40	PASS
		25	25	22.39	PASS
		50	0	22.31	PASS
	MCH	1	0	23.17	PASS
		1	24	23.05	PASS
		1	49	23.29	PASS
		25	0	22.36	PASS
		25	12	22.35	PASS
		25	25	22.36	PASS

		50	0	22.34	PASS
HCH	LCH	1	0	23.23	PASS
		1	24	23.10	PASS
		1	49	23.32	PASS
		25	0	22.33	PASS
		25	12	22.33	PASS
		25	25	22.32	PASS
		50	0	22.34	PASS
16QAM	MCH	1	0	22.58	PASS
		1	24	22.40	PASS
		1	49	22.55	PASS
		25	0	21.36	PASS
		25	12	21.31	PASS
		25	25	21.31	PASS
		50	0	21.34	PASS
	HCH	1	0	22.52	PASS
		1	24	22.42	PASS
		1	49	22.58	PASS
		25	0	21.29	PASS
		25	12	21.24	PASS
		25	25	21.30	PASS
		50	0	21.30	PASS

## Appendix B: Peak-to-Average Ratio

### Test Result

#### Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.66	<13	PASS
		1	3	4.65	<13	PASS
		1	5	4.64	<13	PASS
		3	0	4.91	<13	PASS
		3	2	4.9	<13	PASS
		3	3	4.93	<13	PASS
		6	0	5.59	<13	PASS
	MCH	1	0	3.42	<13	PASS
		1	3	3.42	<13	PASS
		1	5	3.42	<13	PASS
		3	0	3.5	<13	PASS
		3	2	3.46	<13	PASS
		3	3	3.49	<13	PASS
		6	0	4.56	<13	PASS
16QAM	LCH	1	0	3.58	<13	PASS
		1	3	3.46	<13	PASS
		1	5	3.42	<13	PASS
		3	0	3.62	<13	PASS
		3	2	3.51	<13	PASS
		3	3	3.53	<13	PASS
		6	0	4.67	<13	PASS
	MCH	1	0	5.85	<13	PASS
		1	3	5.86	<13	PASS
		1	5	5.77	<13	PASS
		3	0	5.98	<13	PASS
		3	2	5.91	<13	PASS
		3	3	6.01	<13	PASS
		6	0	6.5	<13	PASS

		3	2	4.52	<13	PASS
		3	3	4.51	<13	PASS
		6	0	5.52	<13	PASS
HCH		1	0	4.5	<13	PASS
		1	3	4.37	<13	PASS
		1	5	4.33	<13	PASS
		3	0	4.61	<13	PASS
		3	2	4.6	<13	PASS
		3	3	4.52	<13	PASS
		6	0	5.66	<13	PASS

### Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.64	<13	PASS
		1	7	4.71	<13	PASS
		1	14	4.63	<13	PASS
		8	0	5.45	<13	PASS
		8	4	5.48	<13	PASS
		8	7	5.47	<13	PASS
		15	0	5.56	<13	PASS
	MCH	1	0	3.48	<13	PASS
		1	7	3.44	<13	PASS
		1	14	3.41	<13	PASS
		8	0	4.39	<13	PASS
		8	4	4.29	<13	PASS
		8	7	4.35	<13	PASS
		15	0	4.72	<13	PASS
	HCH	1	0	4.12	<13	PASS
		1	7	3.71	<13	PASS
		1	14	3.43	<13	PASS
		8	0	4.81	<13	PASS
		8	4	4.55	<13	PASS
		8	7	4.54	<13	PASS
		15	0	5.01	<13	PASS
16QAM	LCH	1	0	5.84	<13	PASS
		1	7	5.9	<13	PASS
		1	14	5.83	<13	PASS
		8	0	6.18	<13	PASS
		8	4	6.25	<13	PASS

		8	7	6.21	<13	PASS
		15	0	6.44	<13	PASS
MCH	MCH	1	0	4.33	<13	PASS
		1	7	4.33	<13	PASS
		1	14	4.23	<13	PASS
		8	0	5.28	<13	PASS
		8	4	5.22	<13	PASS
		8	7	5.23	<13	PASS
		15	0	5.65	<13	PASS
HCH	HCH	1	0	4.93	<13	PASS
		1	7	4.53	<13	PASS
		1	14	4.3	<13	PASS
		8	0	5.73	<13	PASS
		8	4	5.47	<13	PASS
		8	7	5.39	<13	PASS
		15	0	5.91	<13	PASS

### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.45	<13	PASS
		1	12	4.49	<13	PASS
		1	24	4.33	<13	PASS
		12	0	5.12	<13	PASS
		12	6	5.12	<13	PASS
		12	13	5.19	<13	PASS
		25	0	5.35	<13	PASS
	MCH	1	0	3.44	<13	PASS
		1	12	3.41	<13	PASS
		1	24	3.36	<13	PASS
		12	0	4.32	<13	PASS
		12	6	4.18	<13	PASS
		12	13	4.22	<13	PASS
		25	0	4.68	<13	PASS
	HCH	1	0	4.2	<13	PASS
		1	12	3.94	<13	PASS
		1	24	3.31	<13	PASS
		12	0	4.92	<13	PASS
		12	6	4.76	<13	PASS
		12	13	4.49	<13	PASS

		25	0	5.03	<13	PASS
16QAM	LCH	1	0	5.47	<13	PASS
		1	12	5.51	<13	PASS
		1	24	5.32	<13	PASS
		12	0	5.97	<13	PASS
		12	6	6.02	<13	PASS
		12	13	5.97	<13	PASS
		25	0	6.16	<13	PASS
	MCH	1	0	4.52	<13	PASS
		1	12	4.36	<13	PASS
		1	24	4.33	<13	PASS
		12	0	5.21	<13	PASS
		12	6	5.08	<13	PASS
		12	13	5.13	<13	PASS
		25	0	5.47	<13	PASS
	HCH	1	0	5.24	<13	PASS
		1	12	4.96	<13	PASS
		1	24	4.39	<13	PASS
		12	0	5.84	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.42	<13	PASS
		25	0	5.89	<13	PASS

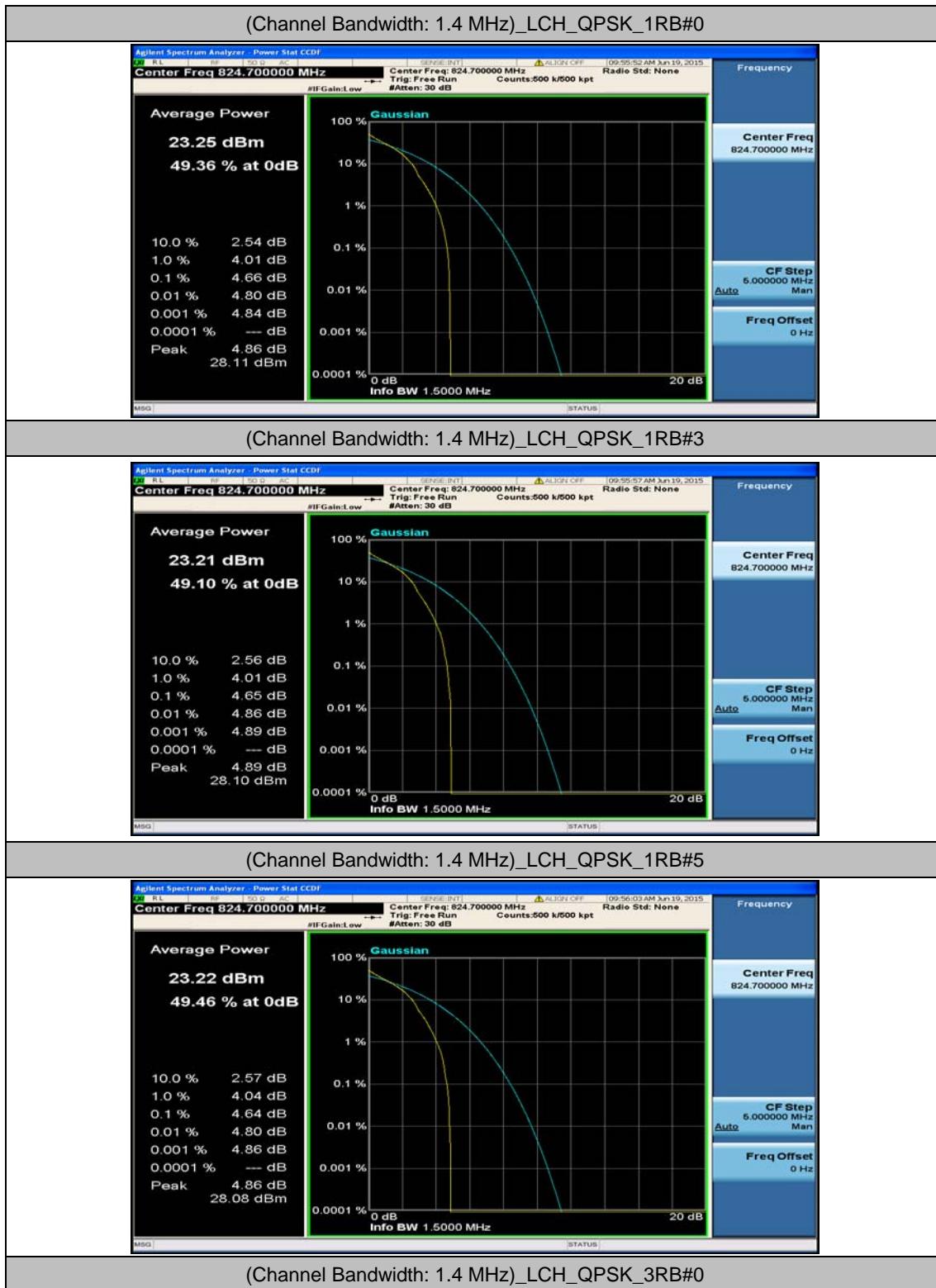
### Channel Bandwidth: 10 MHz

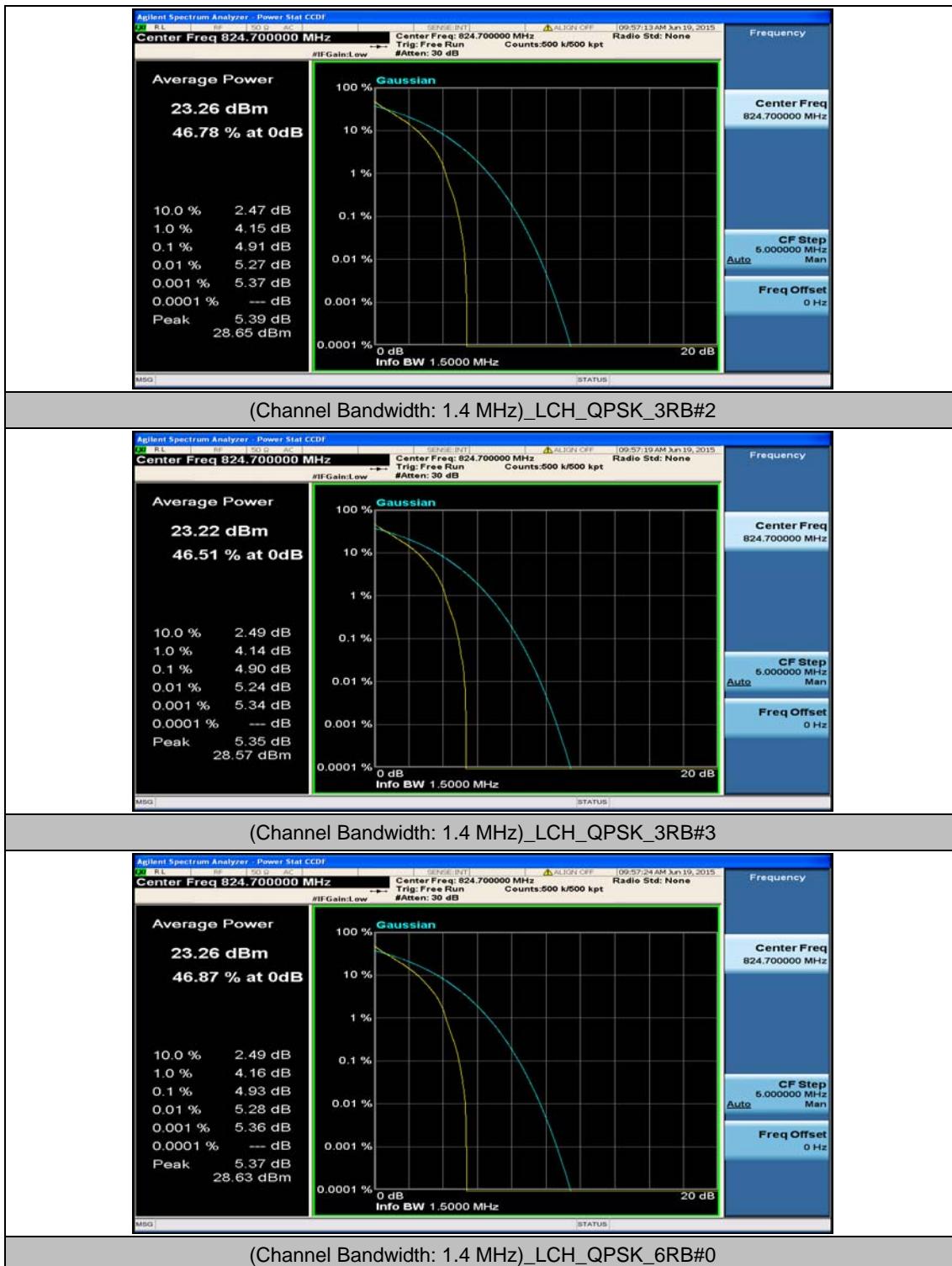
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.67	<13	PASS
		1	24	4.41	<13	PASS
		1	49	3.74	<13	PASS
		25	0	5.24	<13	PASS
		25	12	5.12	<13	PASS
		25	25	4.95	<13	PASS
		50	0	5.34	<13	PASS
	MCH	1	0	3.94	<13	PASS
		1	24	3.39	<13	PASS
		1	49	3.88	<13	PASS
		25	0	4.63	<13	PASS
		25	12	4.34	<13	PASS
		25	25	4.59	<13	PASS
		50	0	4.99	<13	PASS

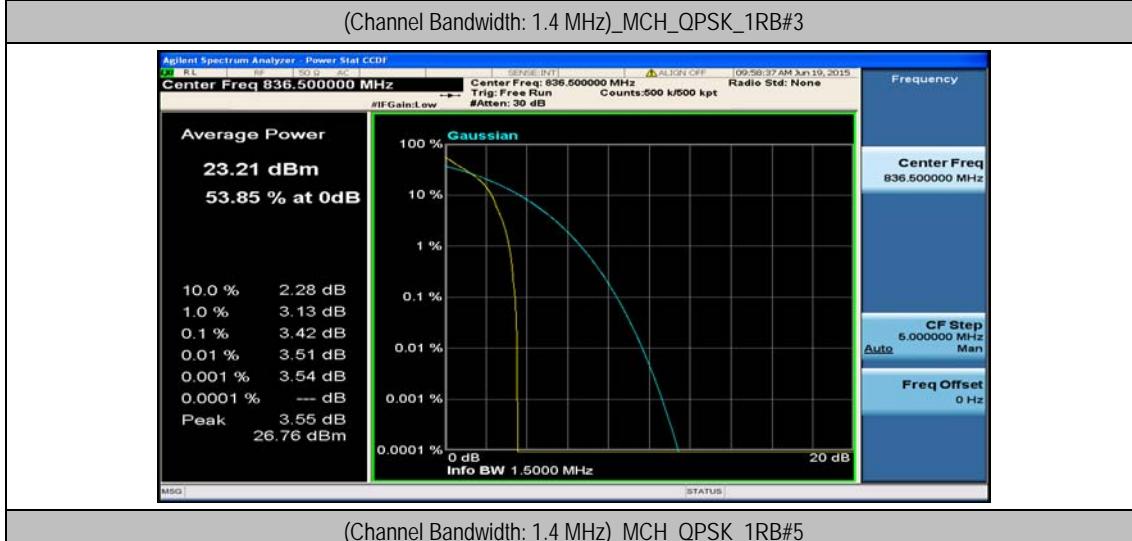
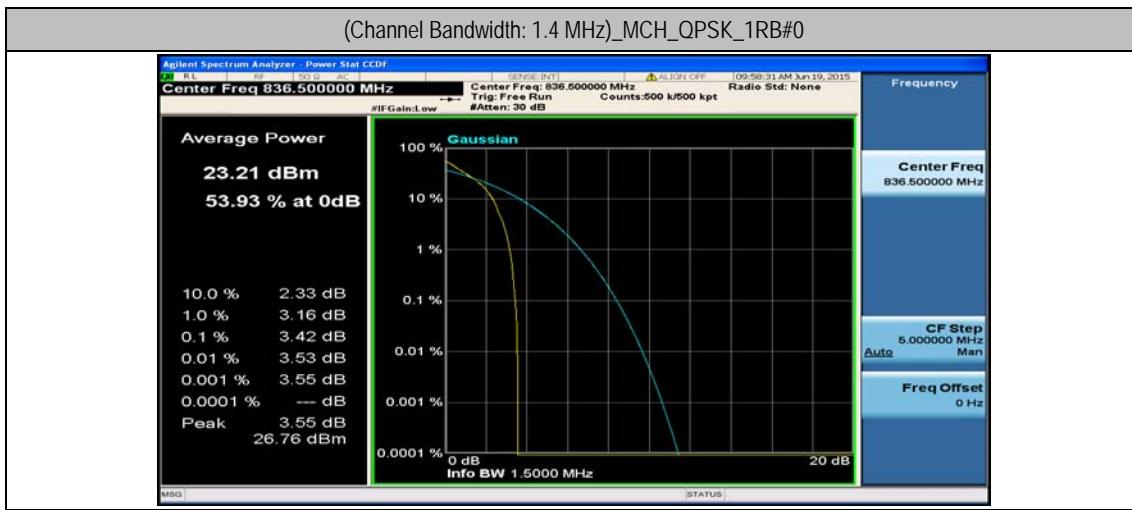
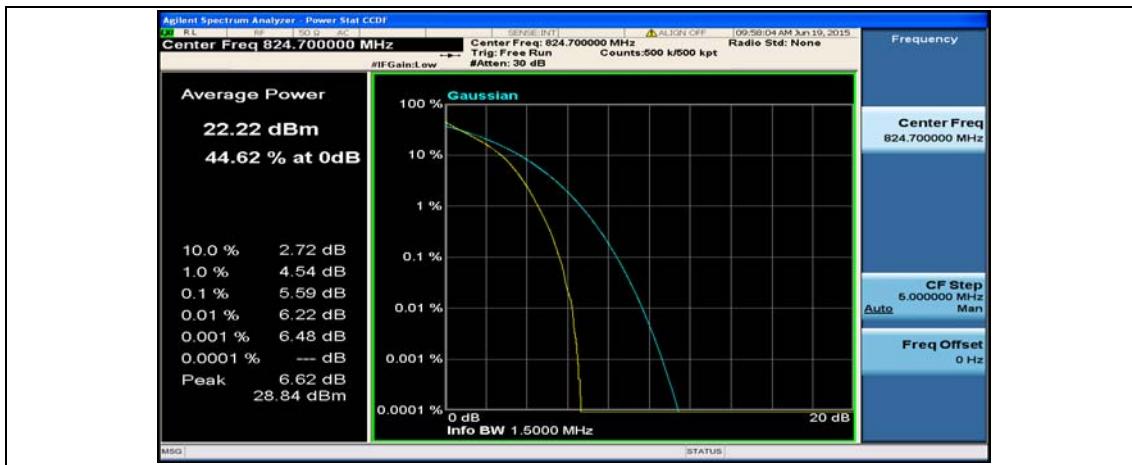
		1	0	3.58	<13	PASS
HCH	LCH	1	24	4.25	<13	PASS
		1	49	3.49	<13	PASS
		25	0	4.98	<13	PASS
		25	12	5	<13	PASS
		25	25	4.93	<13	PASS
		50	0	5.19	<13	PASS
		1	0	5.5	<13	PASS
16QAM	MCH	1	24	5.31	<13	PASS
		1	49	4.57	<13	PASS
		25	0	6.07	<13	PASS
		25	12	5.95	<13	PASS
		25	25	5.84	<13	PASS
		50	0	6.08	<13	PASS
		1	0	4.79	<13	PASS
	HCH	1	24	4.27	<13	PASS
		1	49	4.75	<13	PASS
		25	0	5.45	<13	PASS
		25	12	5.24	<13	PASS
		25	25	5.48	<13	PASS
		50	0	5.73	<13	PASS
		1	0	4.39	<13	PASS

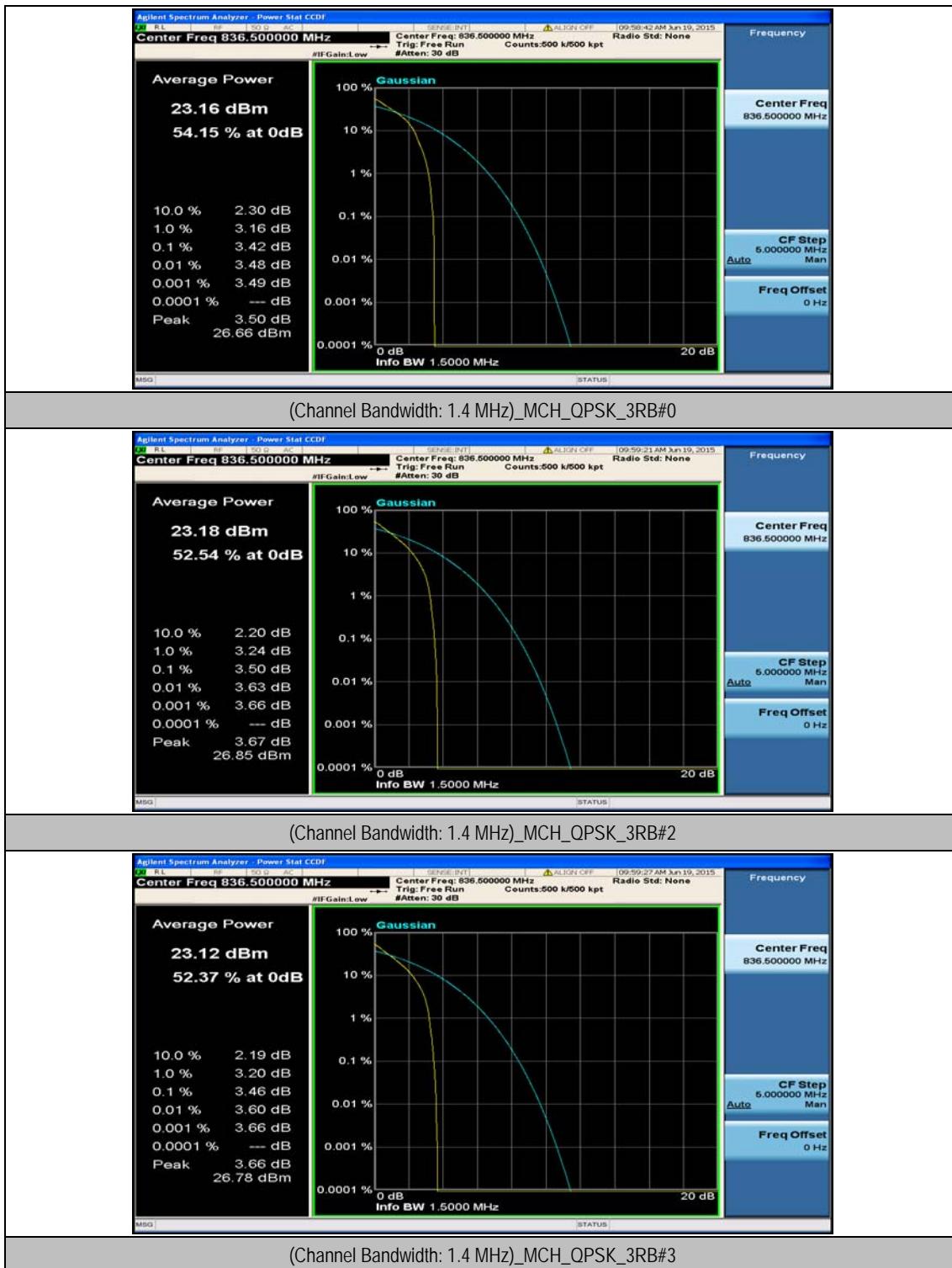
## Test Graphs

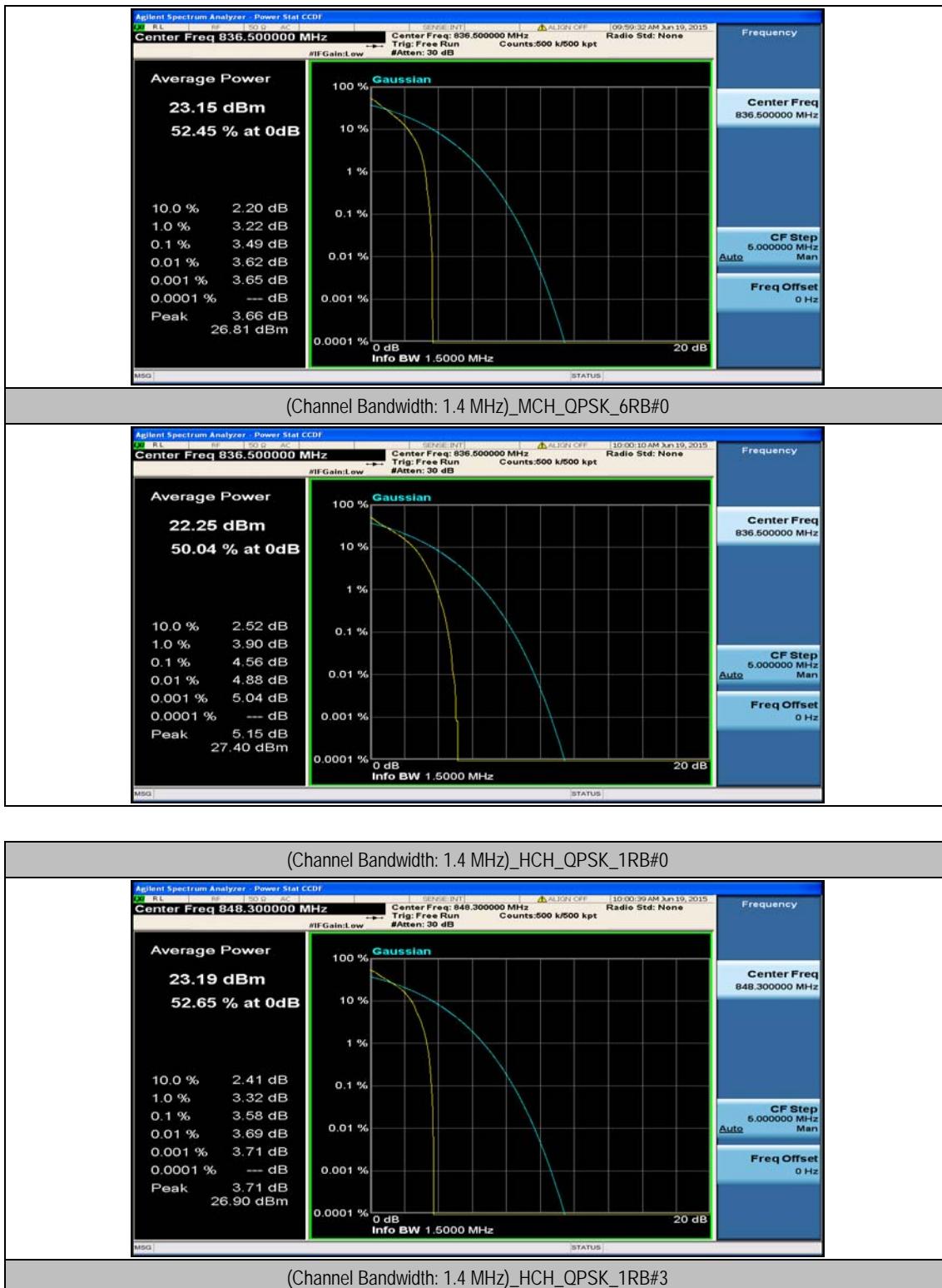
### Channel Bandwidth: 1.4 MHz

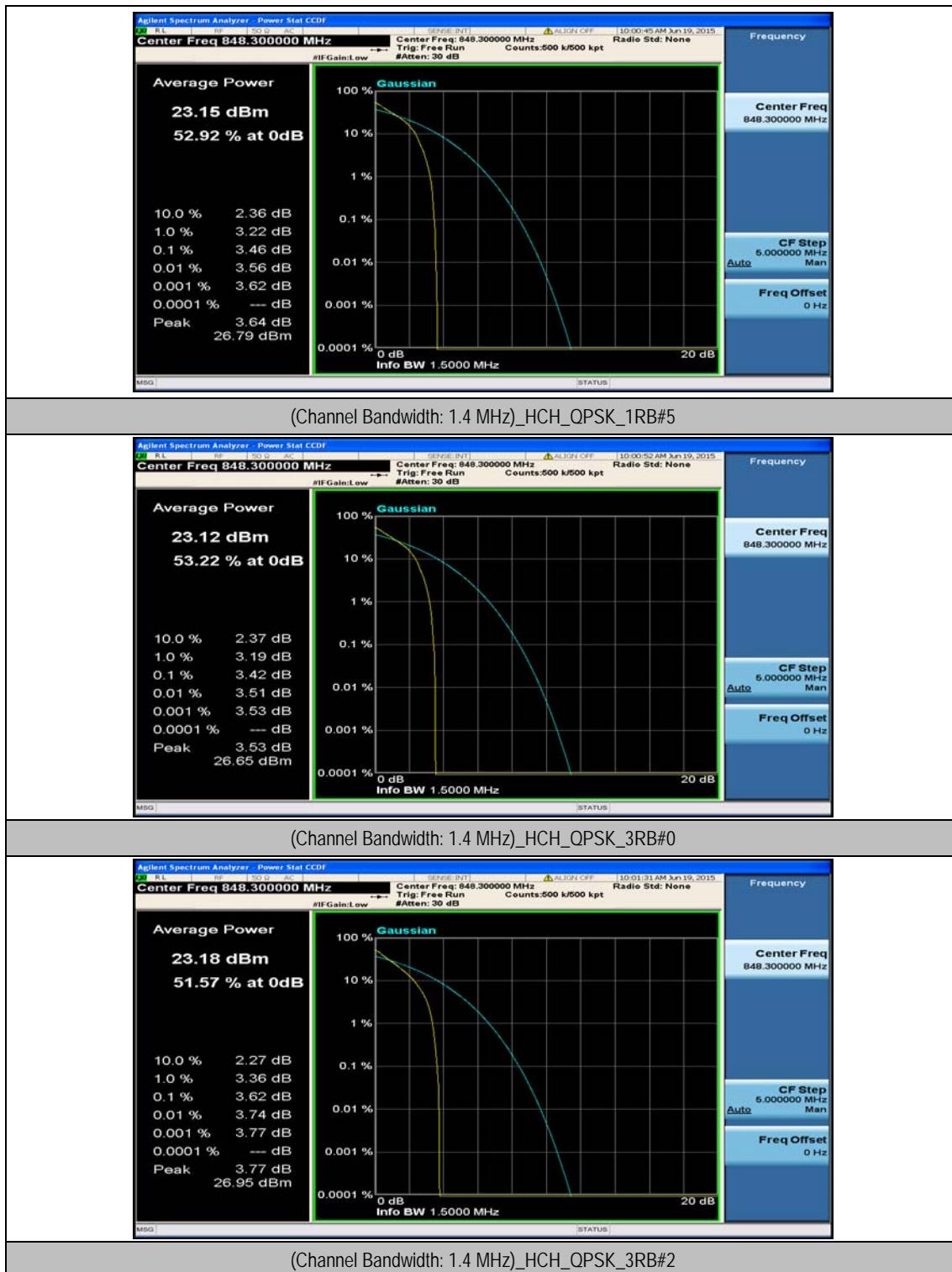


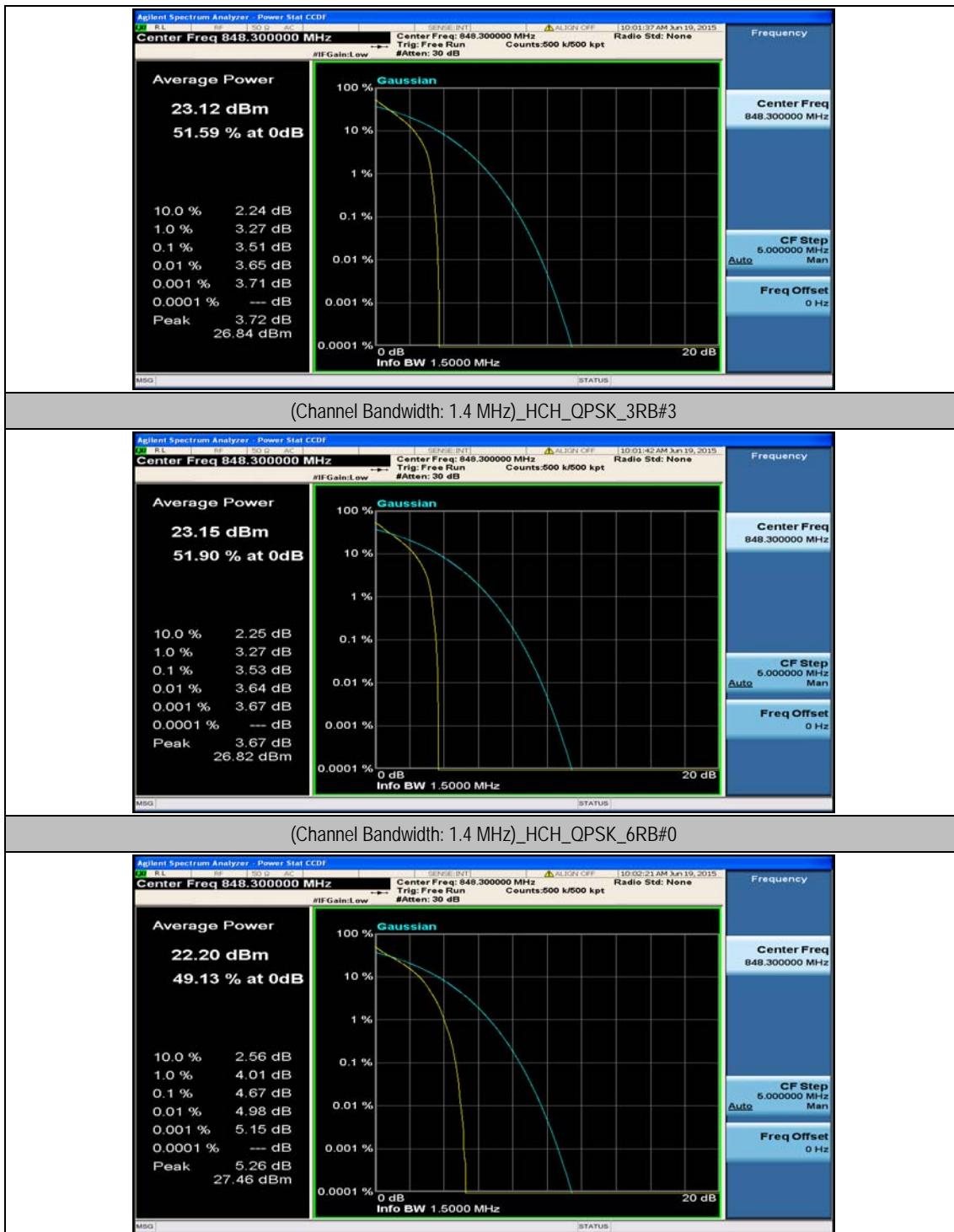


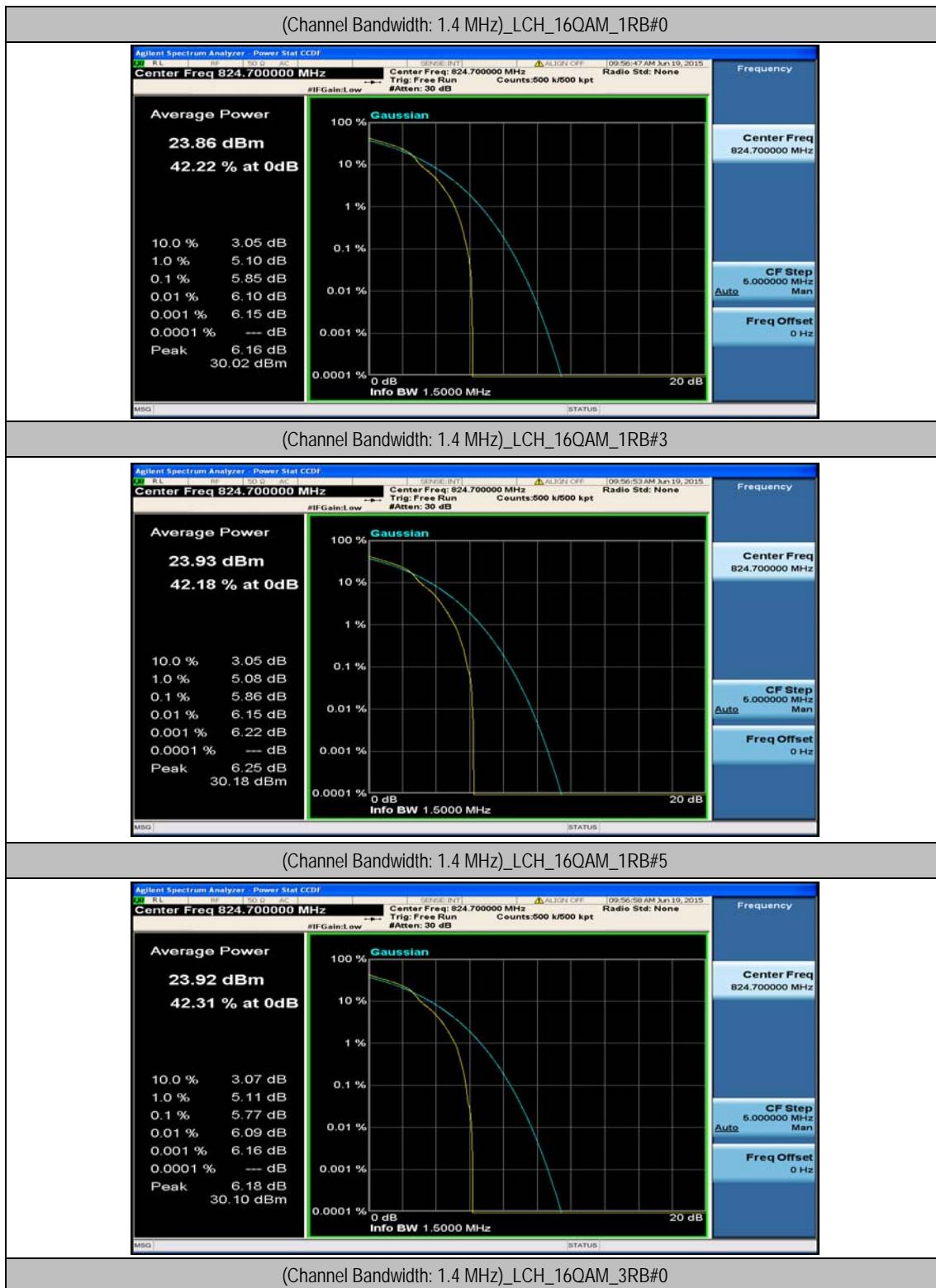


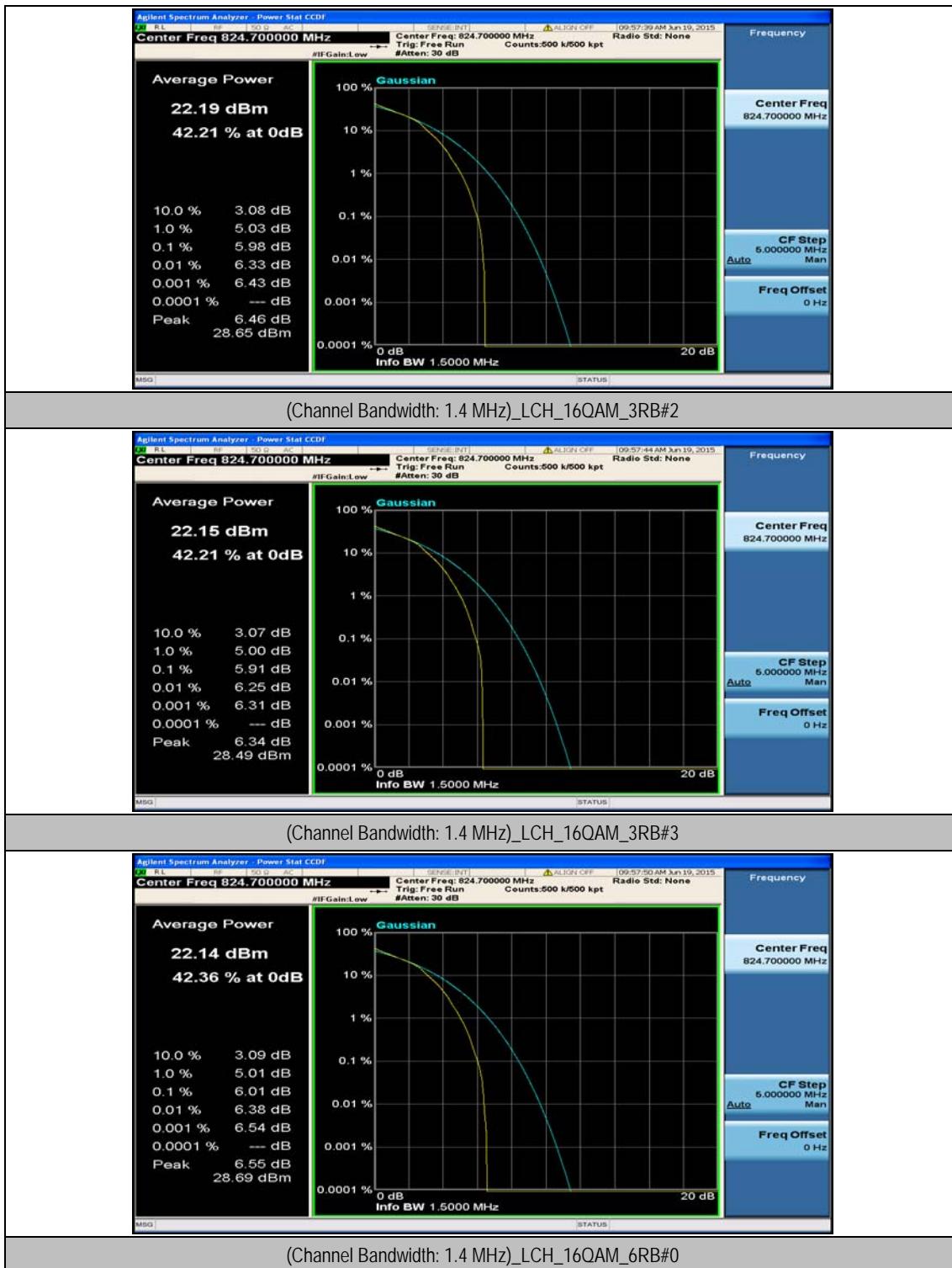


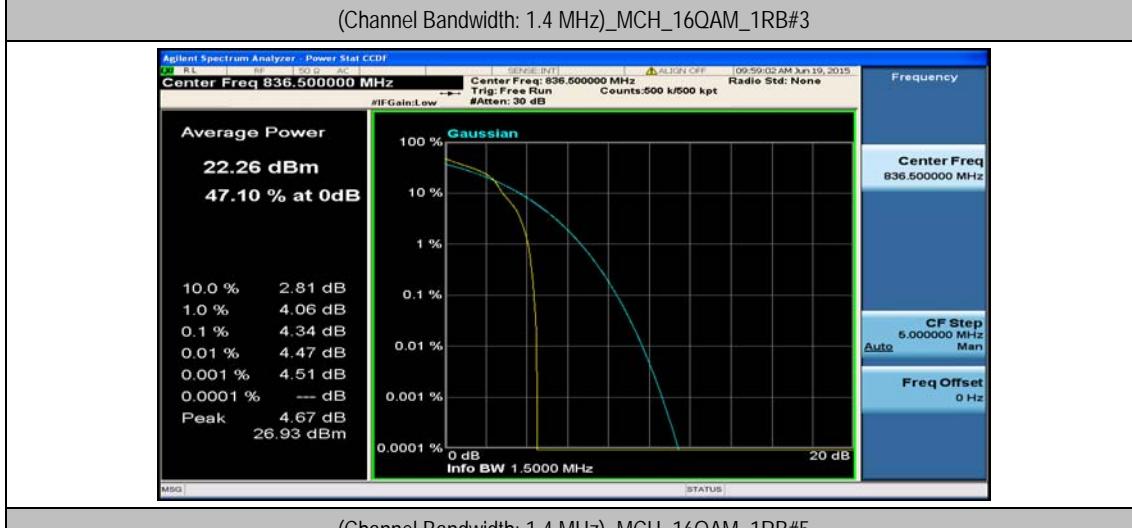
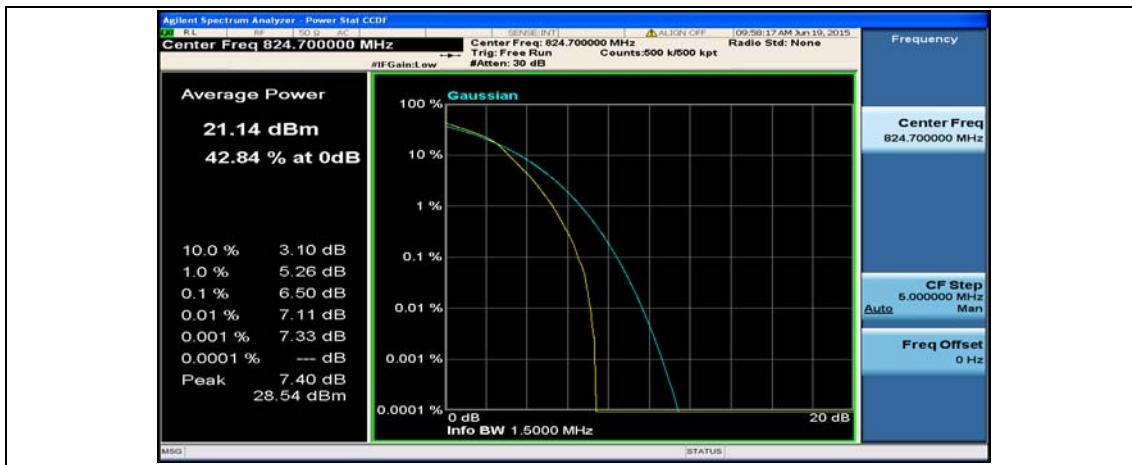


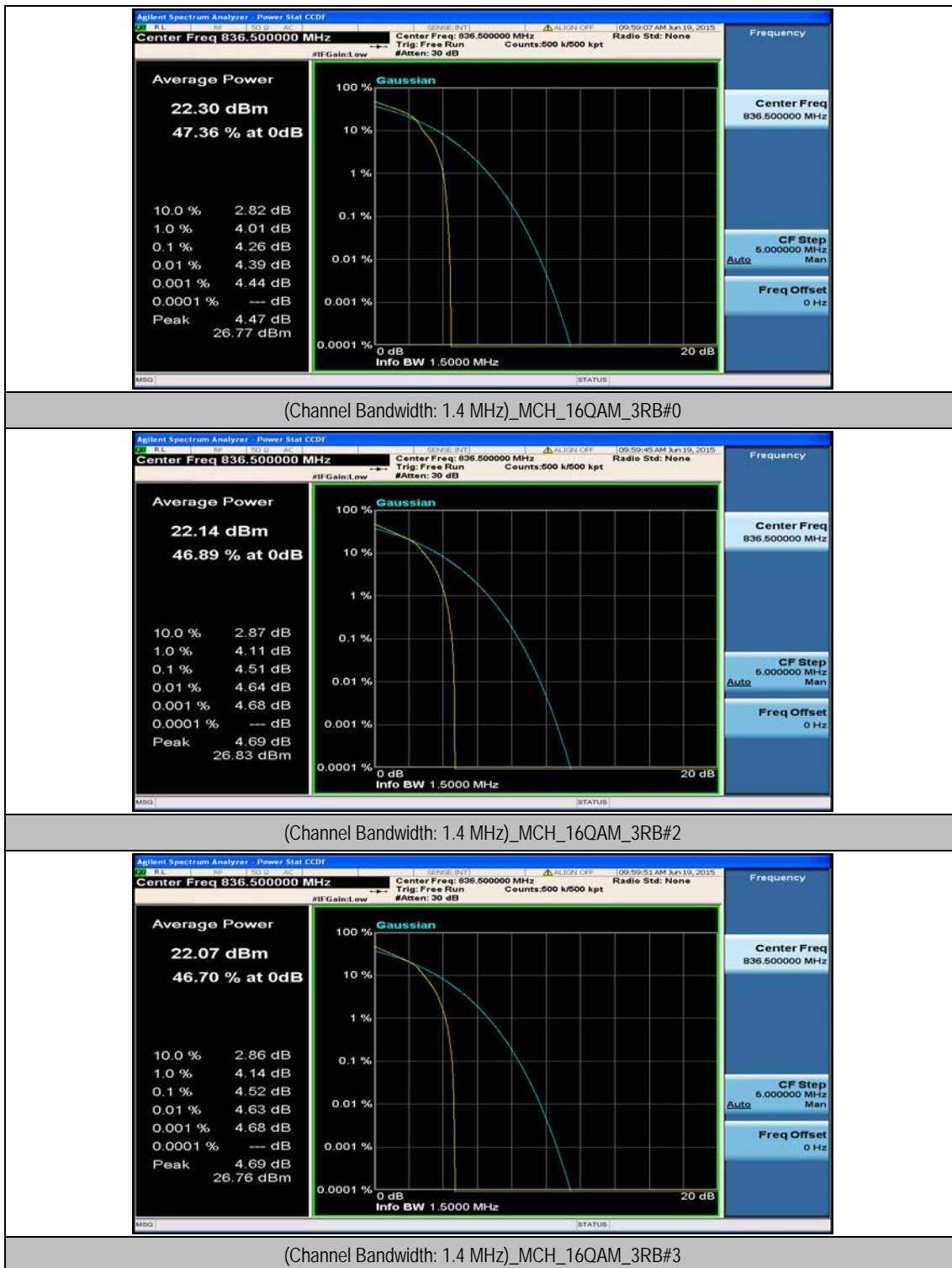


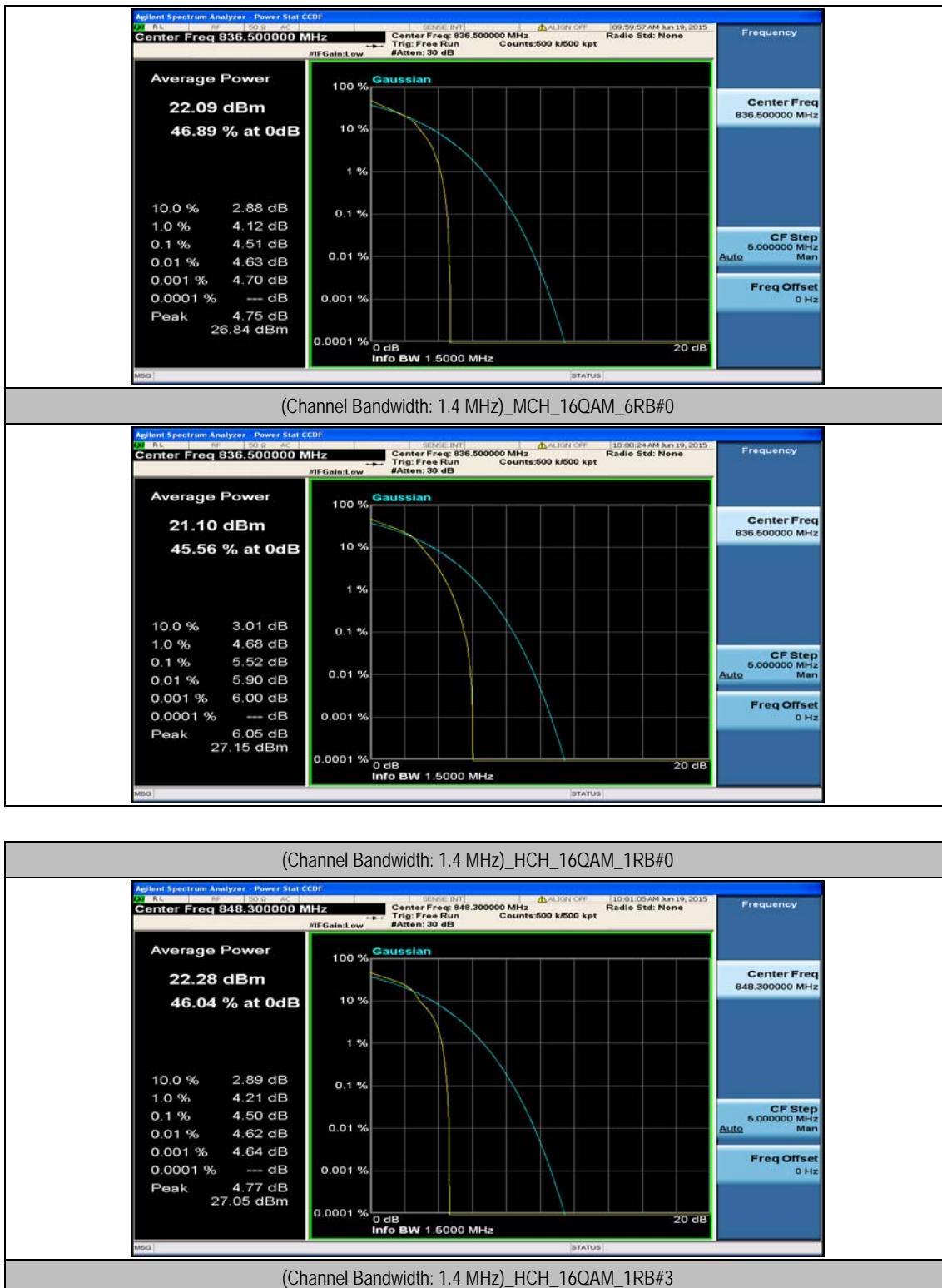


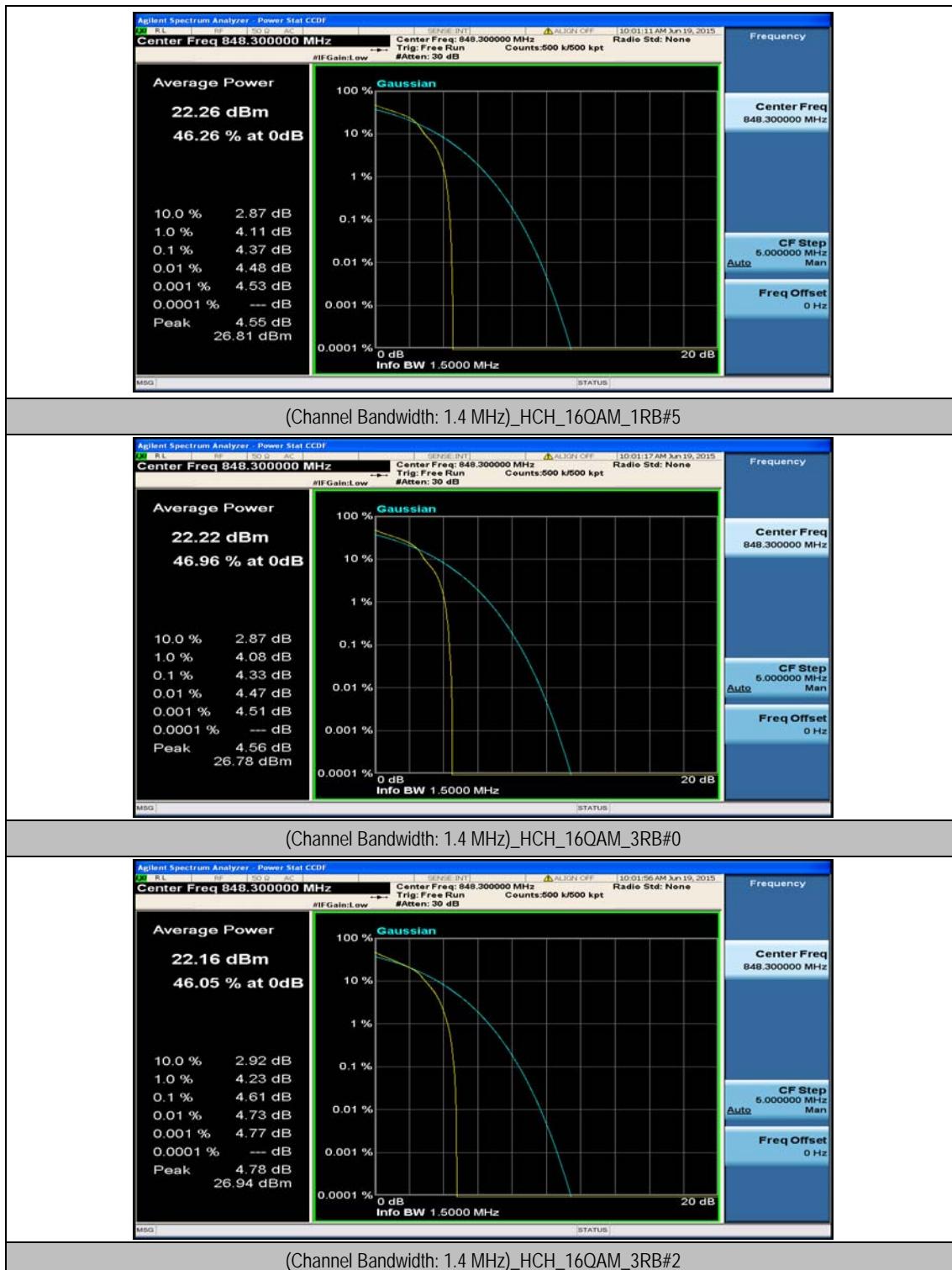


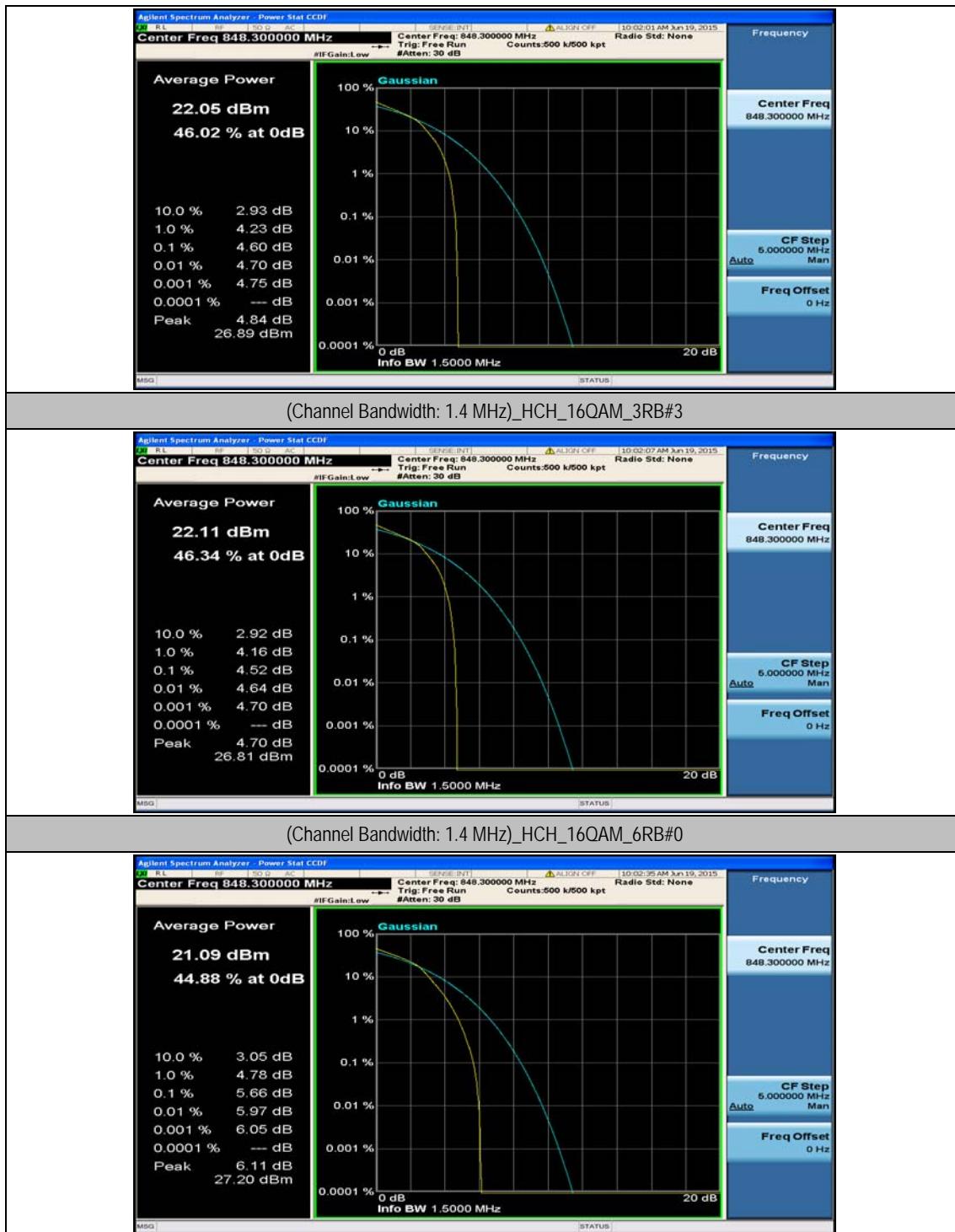






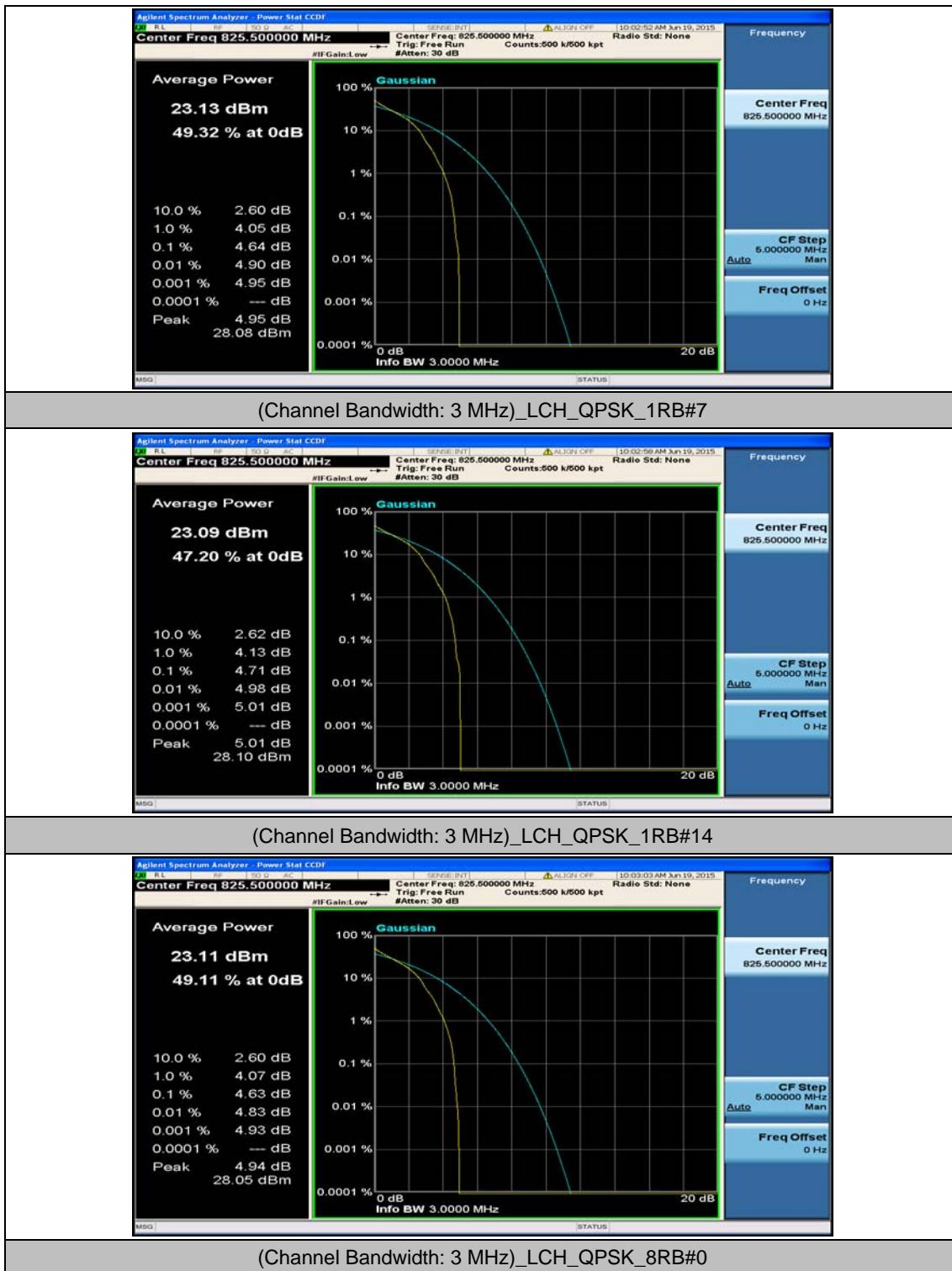


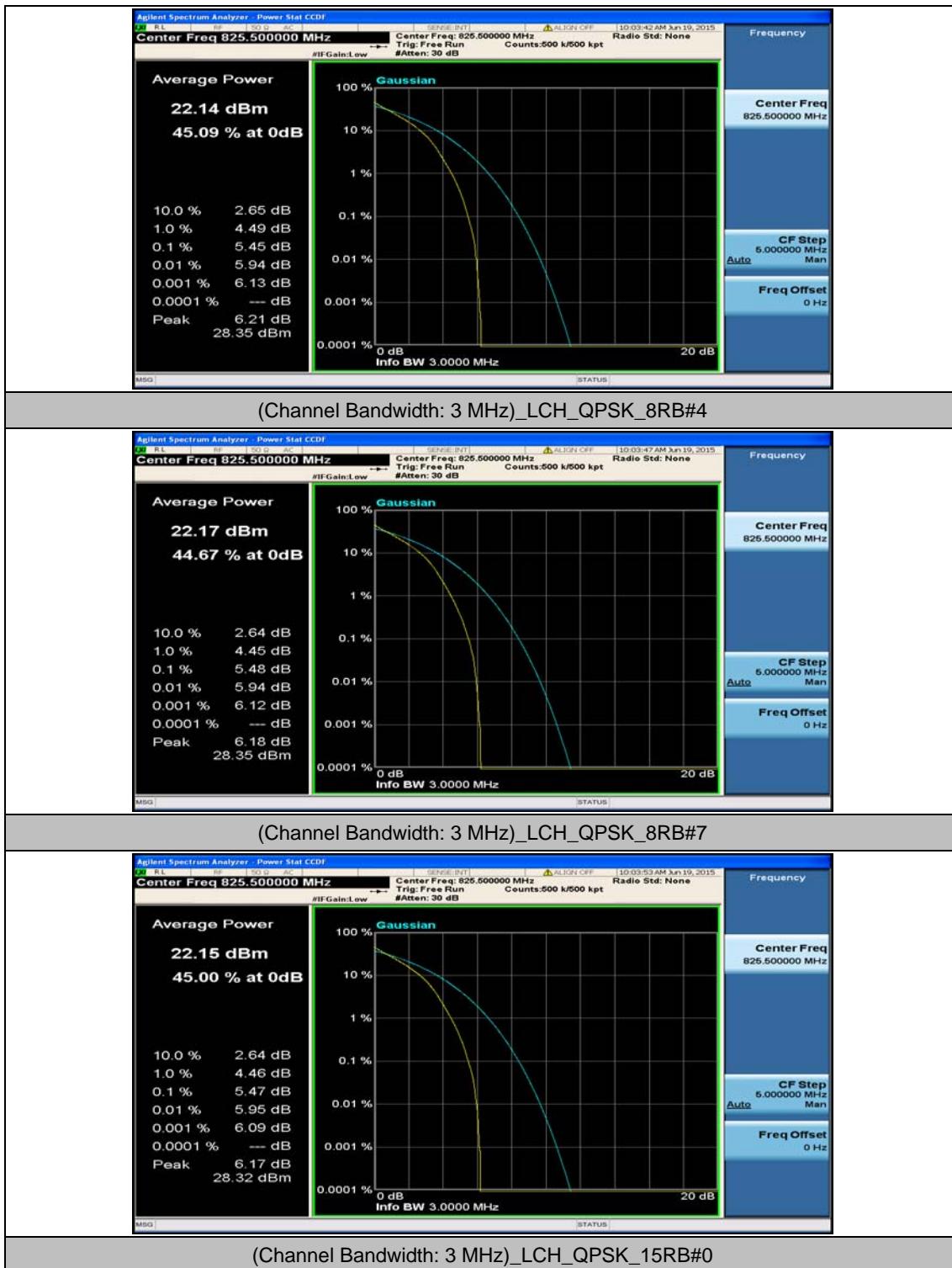


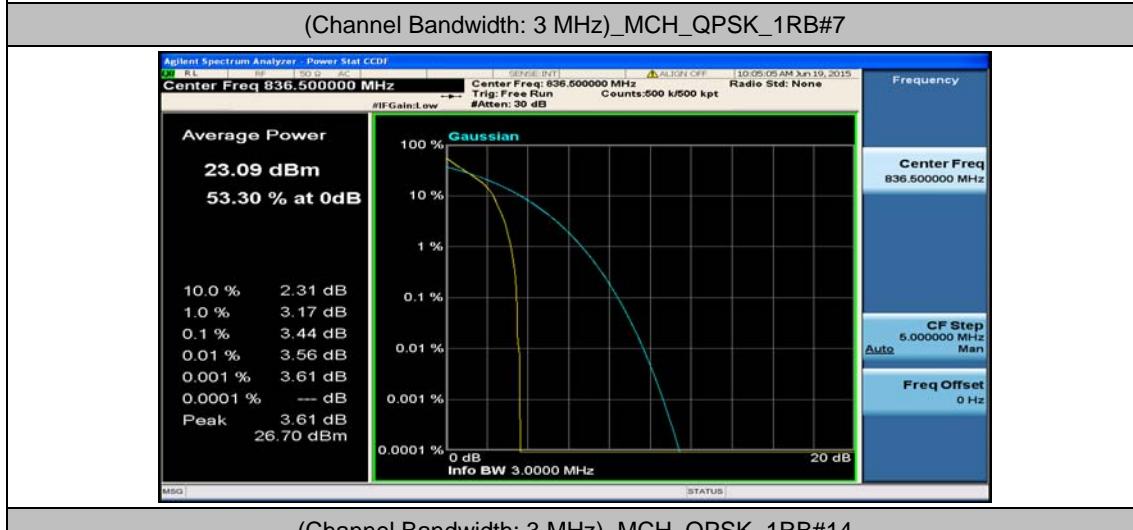
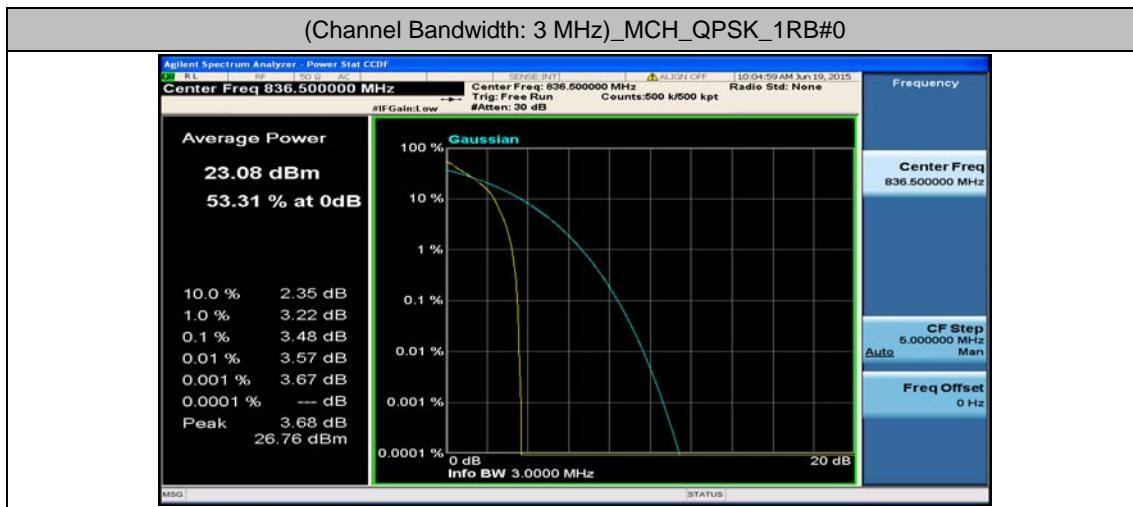


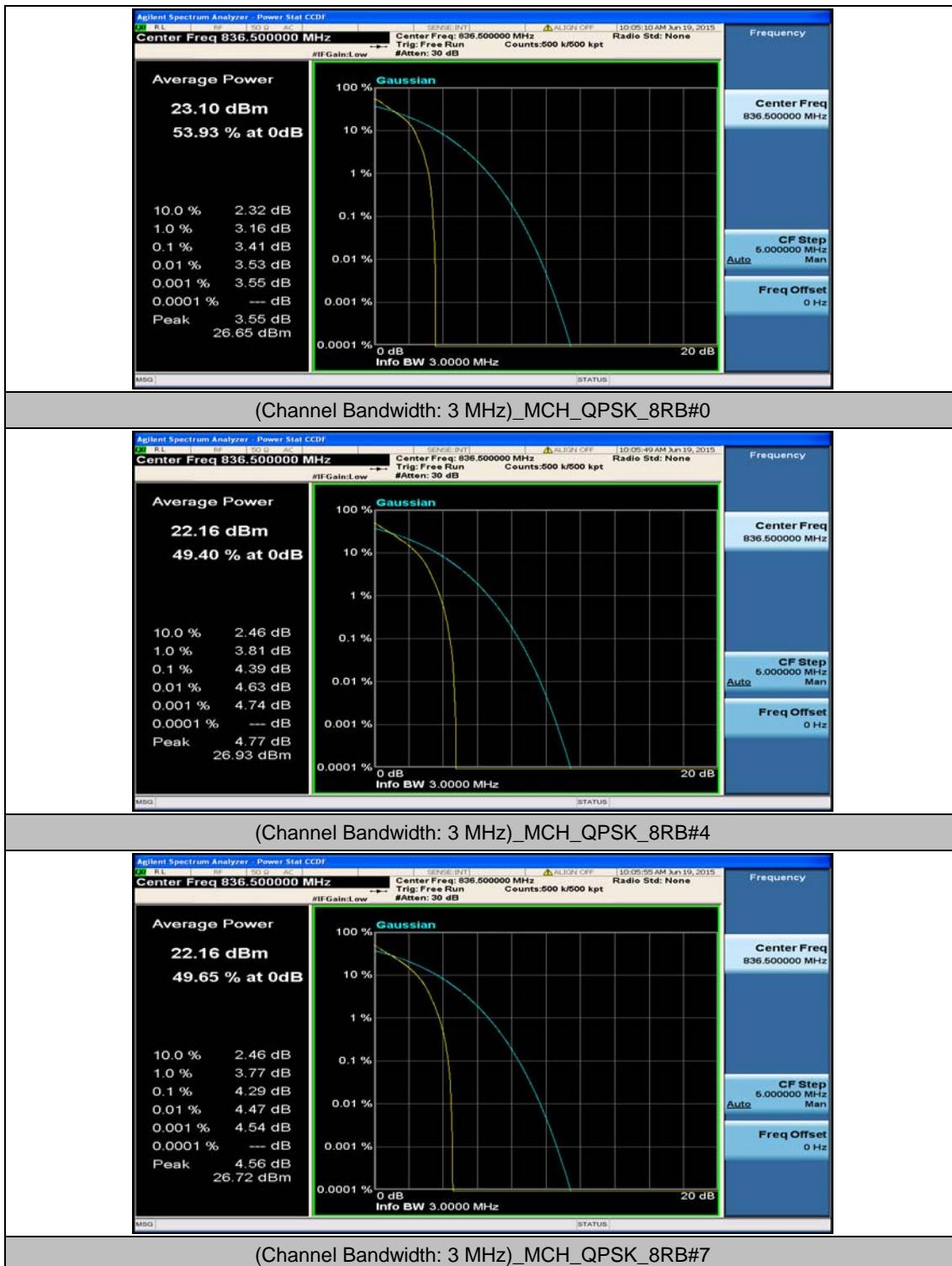
## Channel Bandwidth: 3 MHz

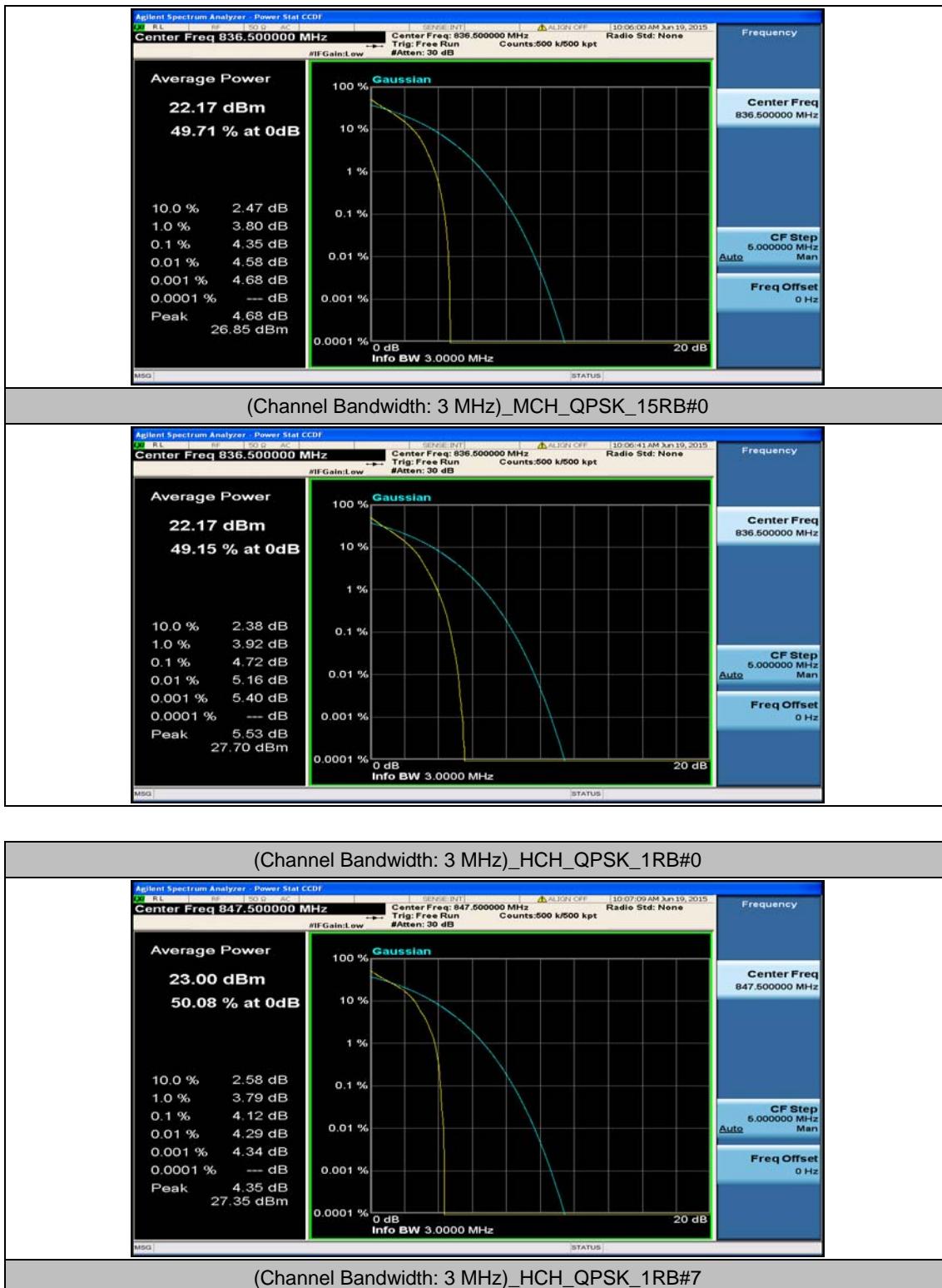
**(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0**

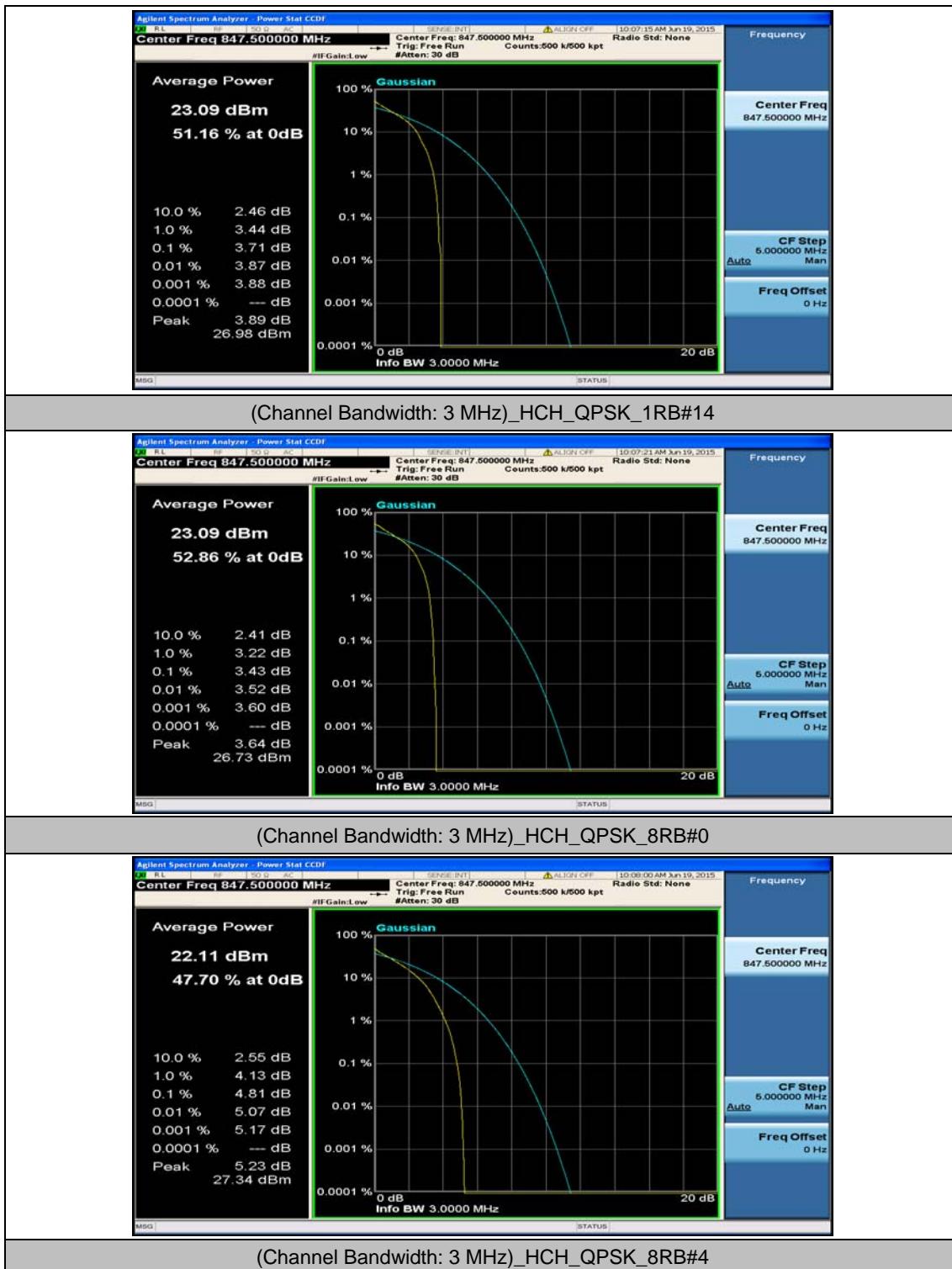


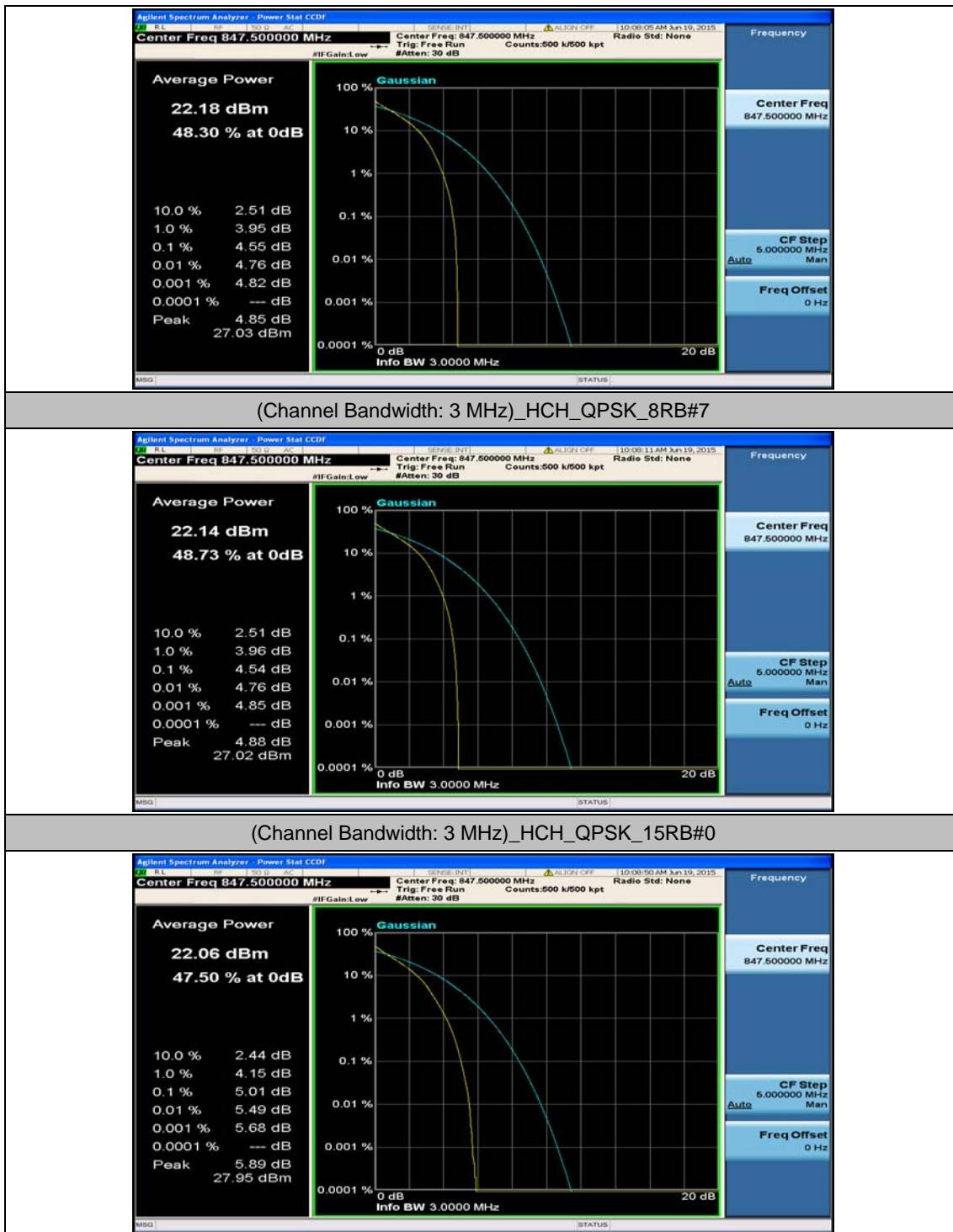


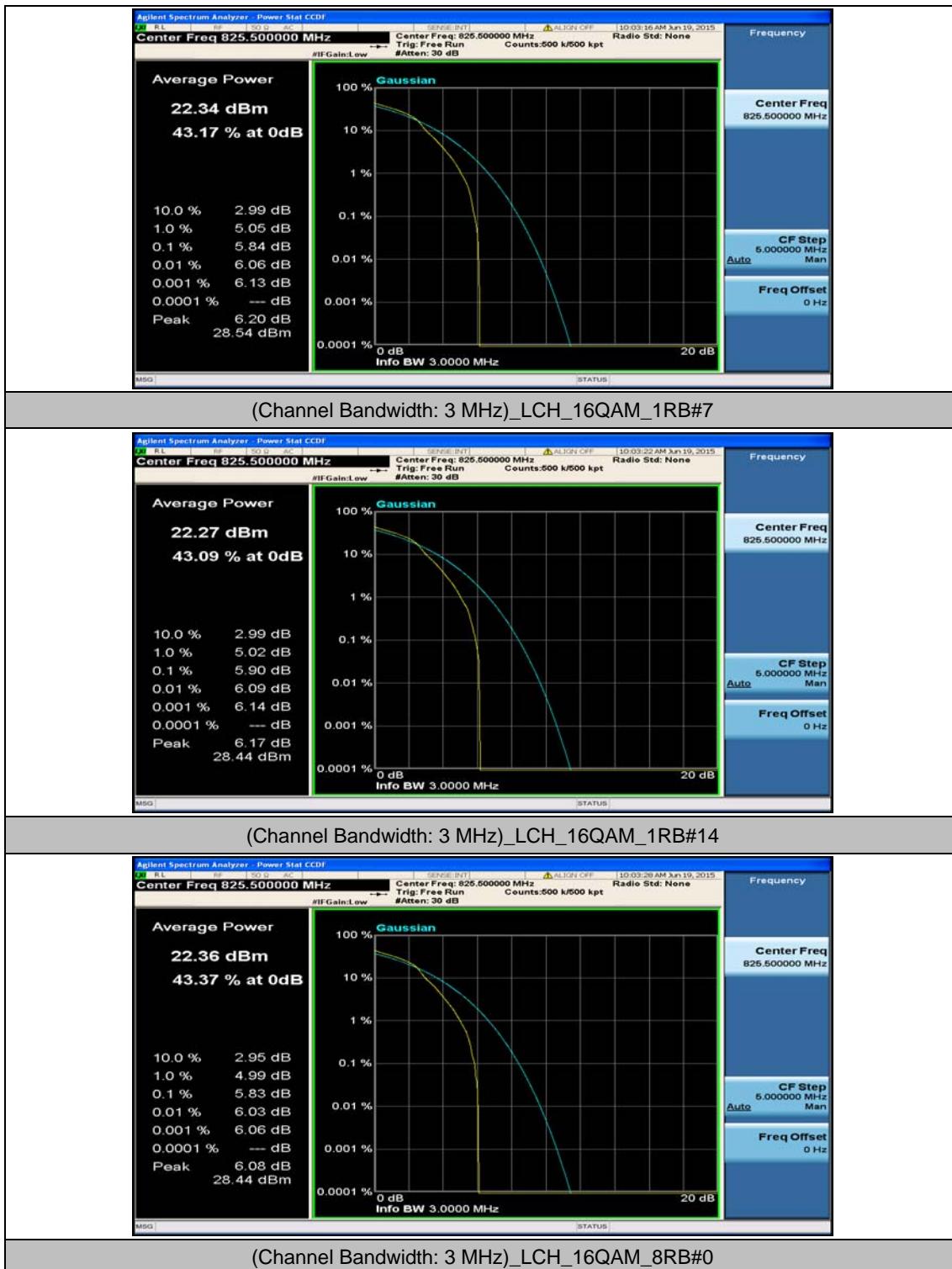


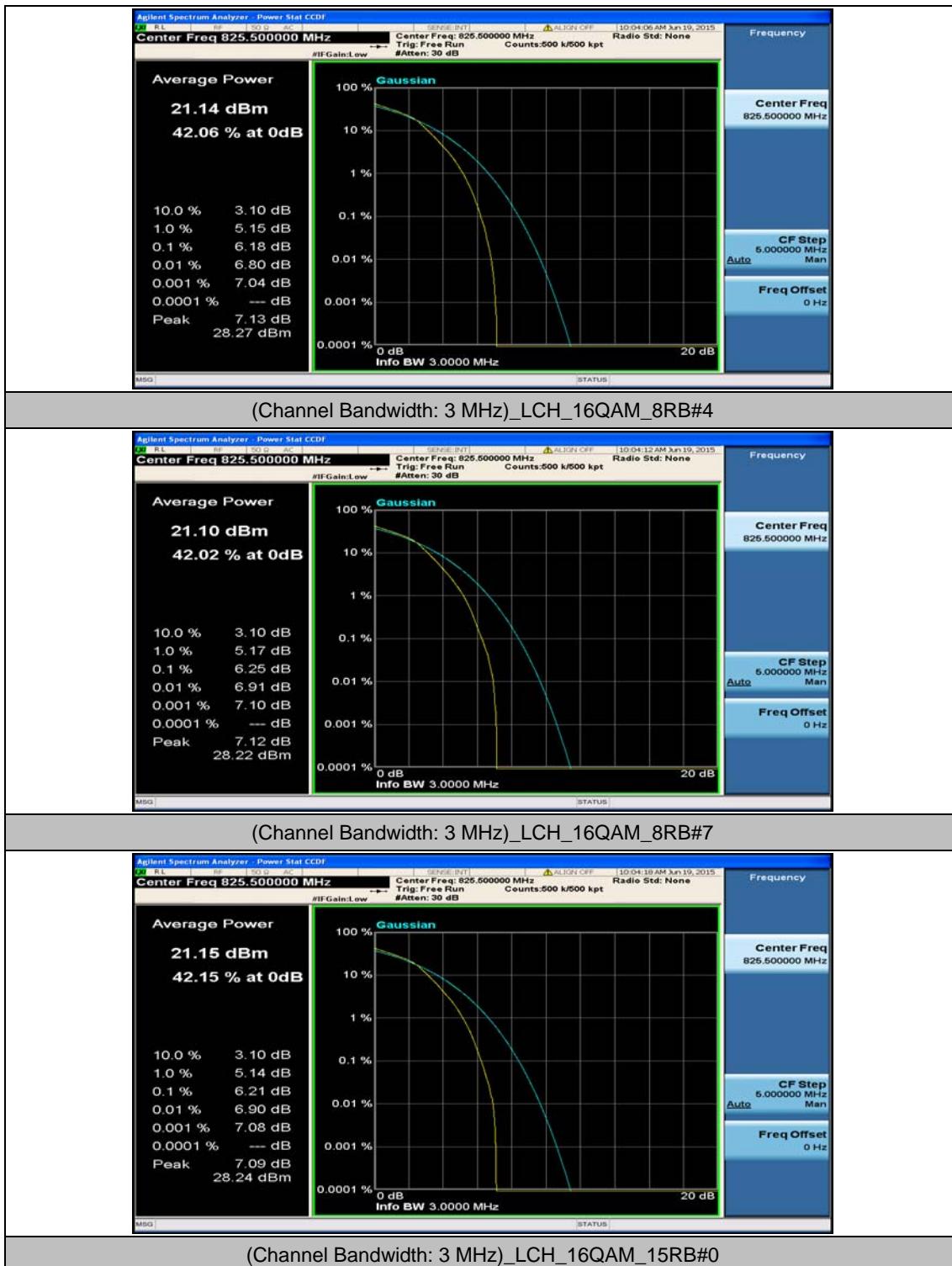


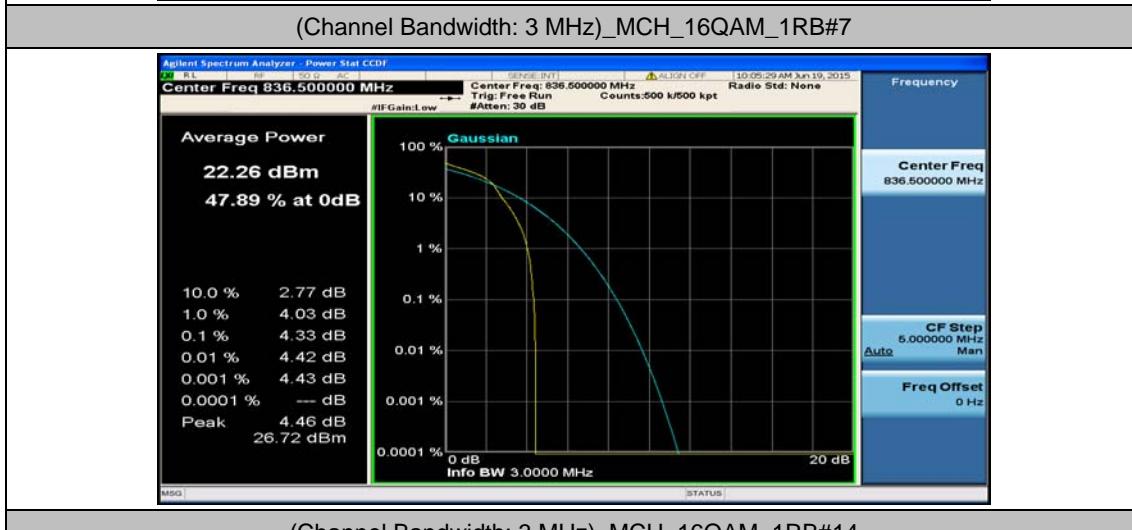
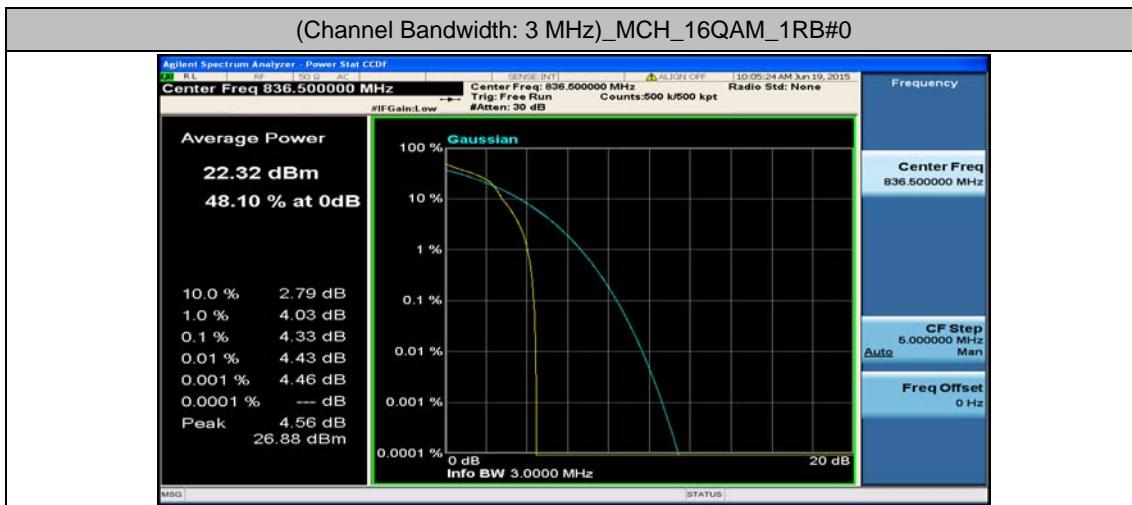
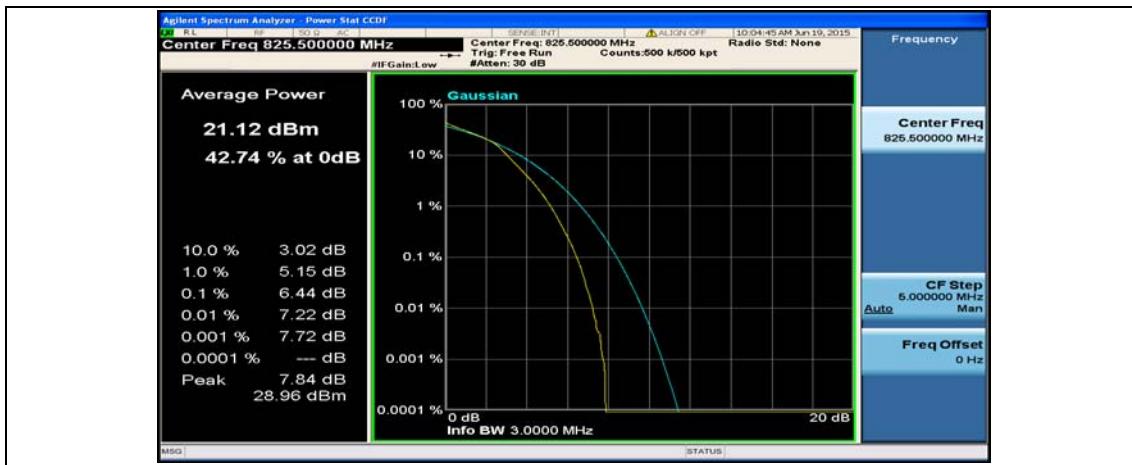




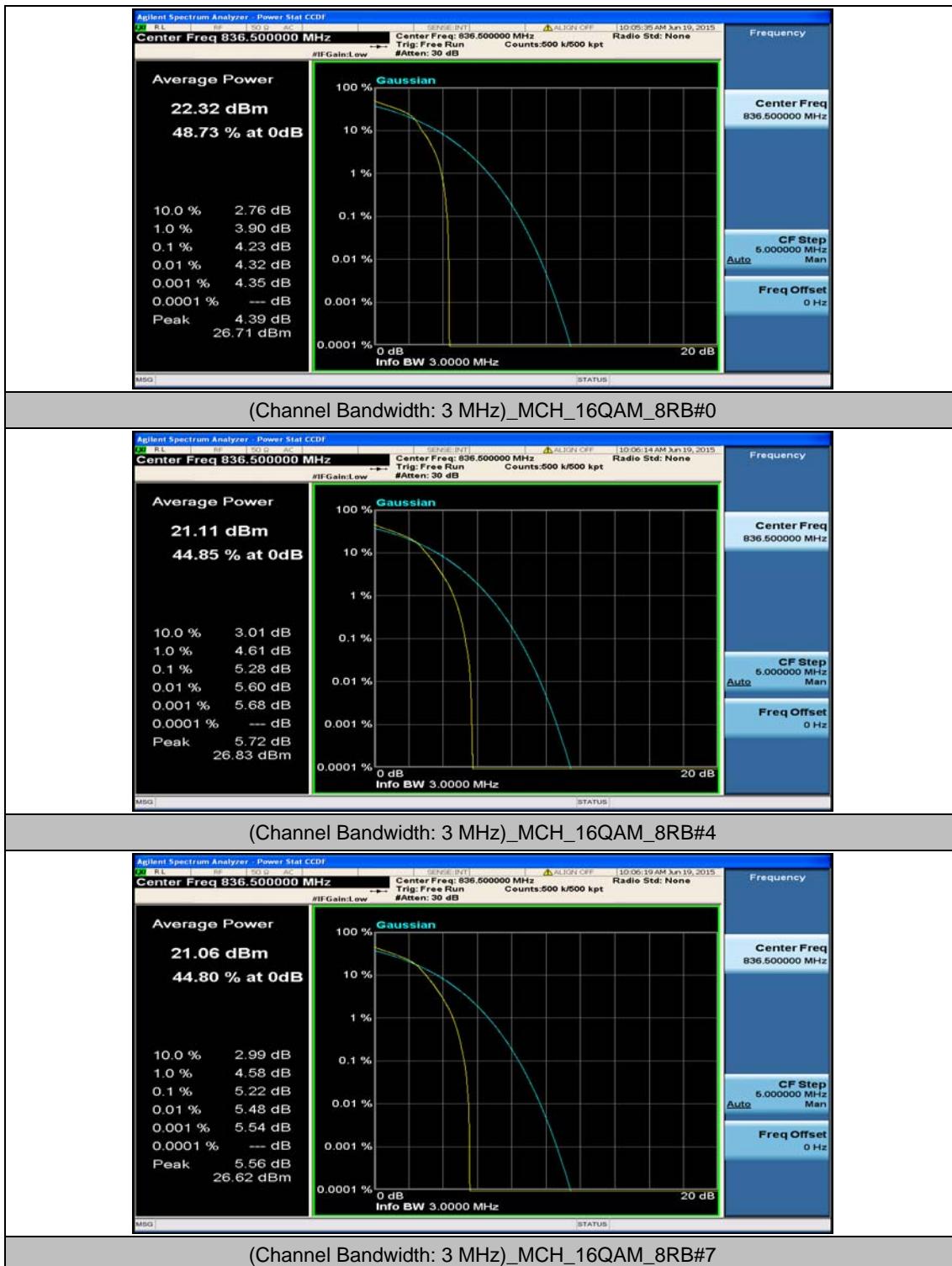


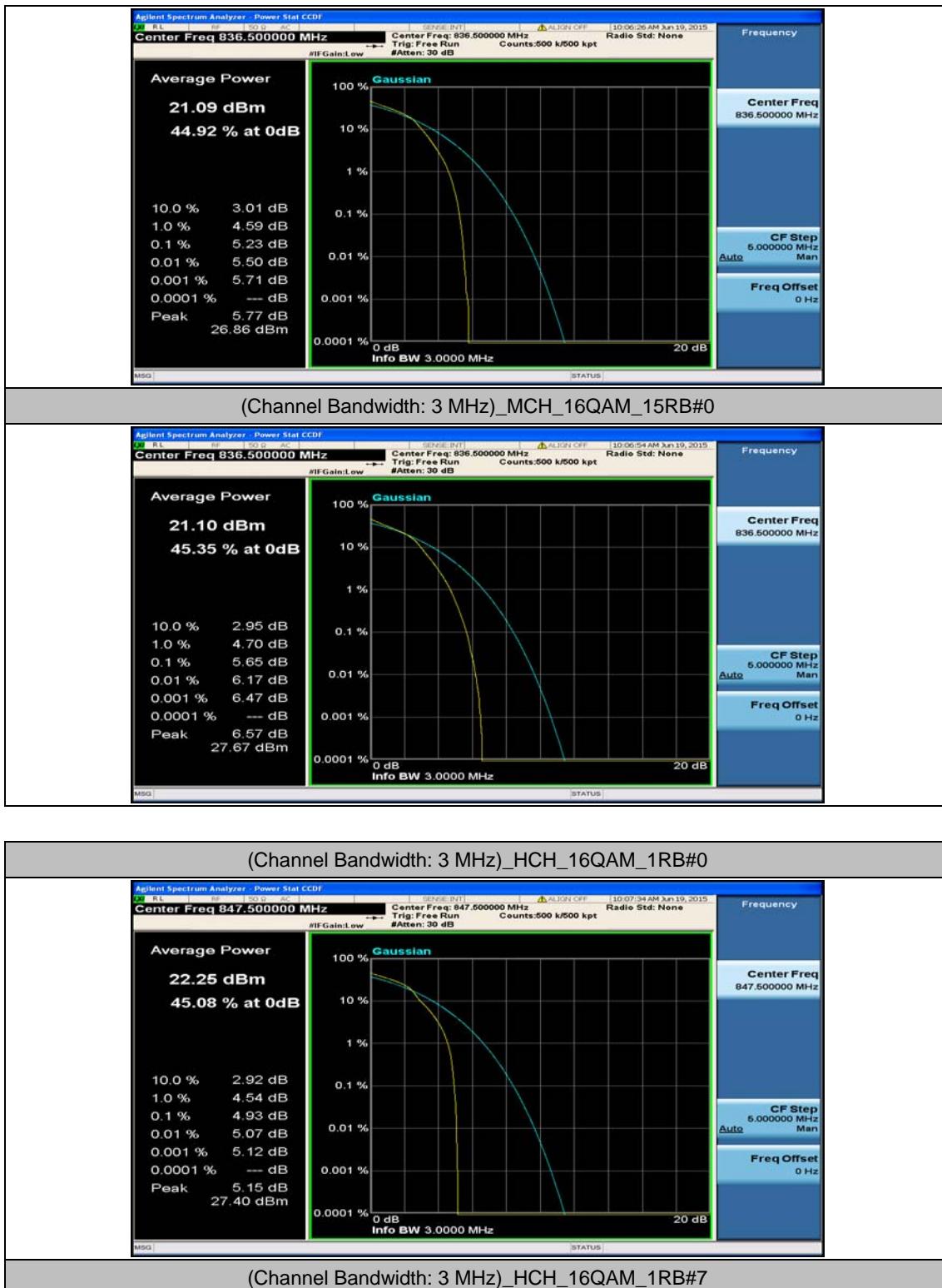


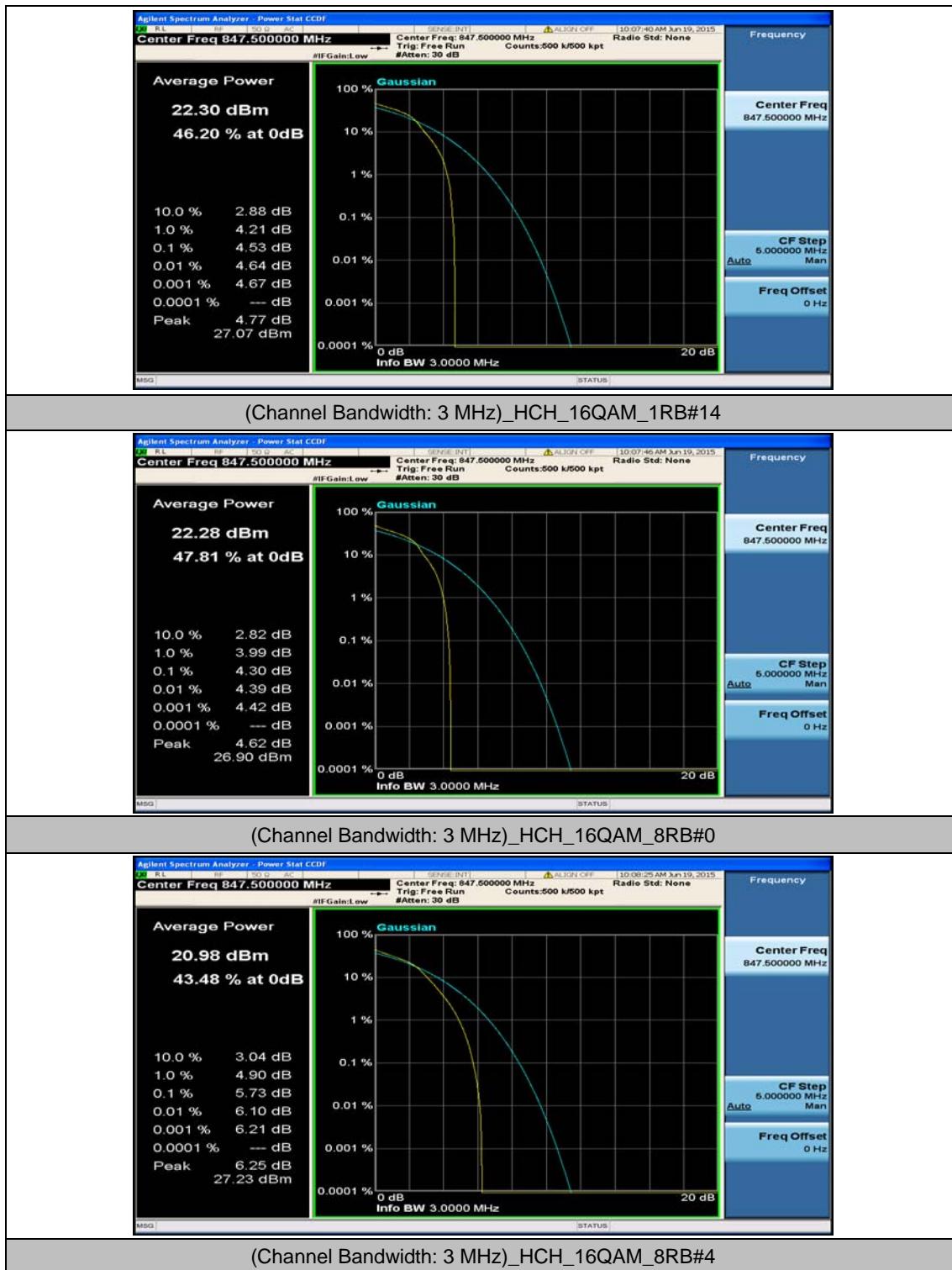


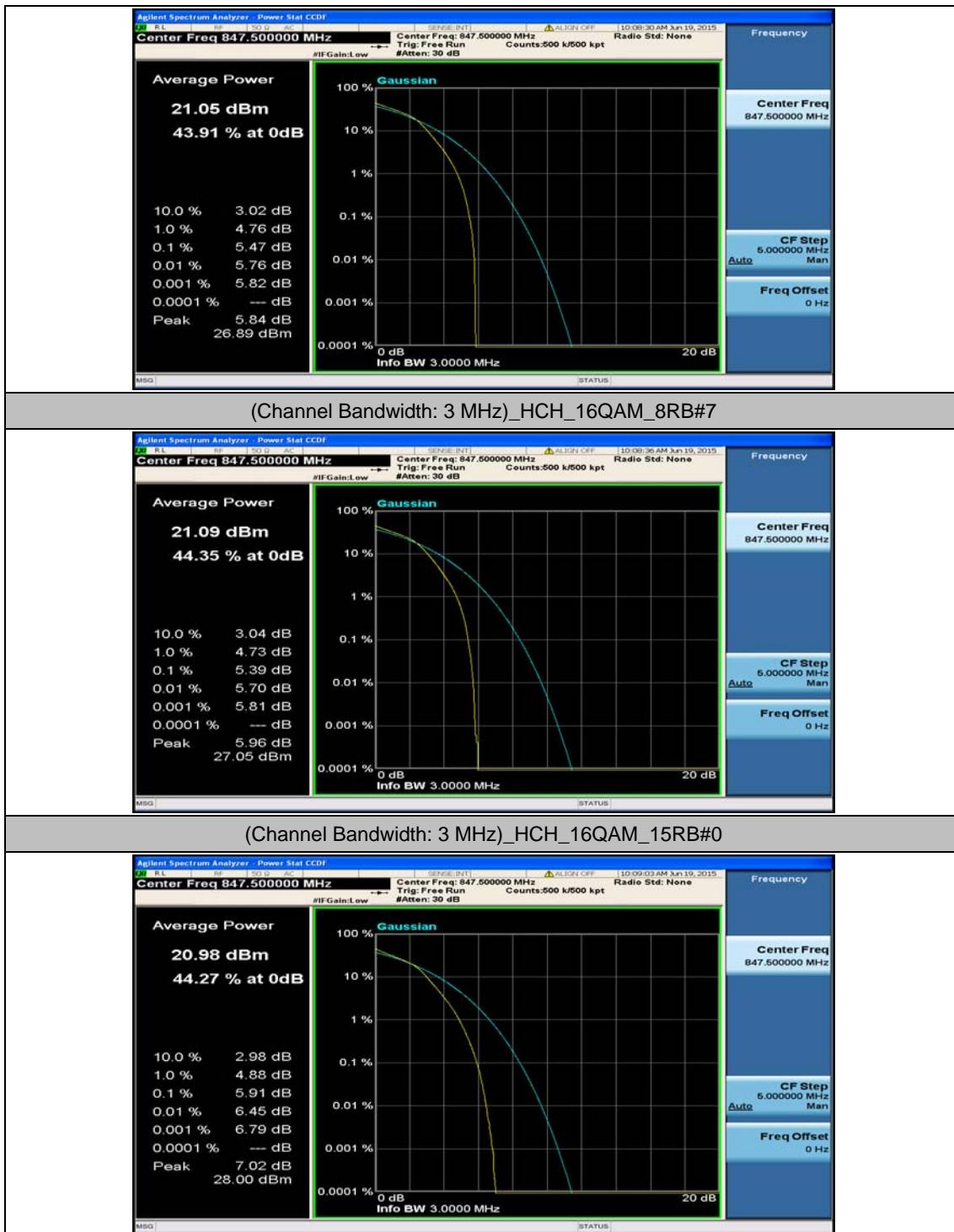


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

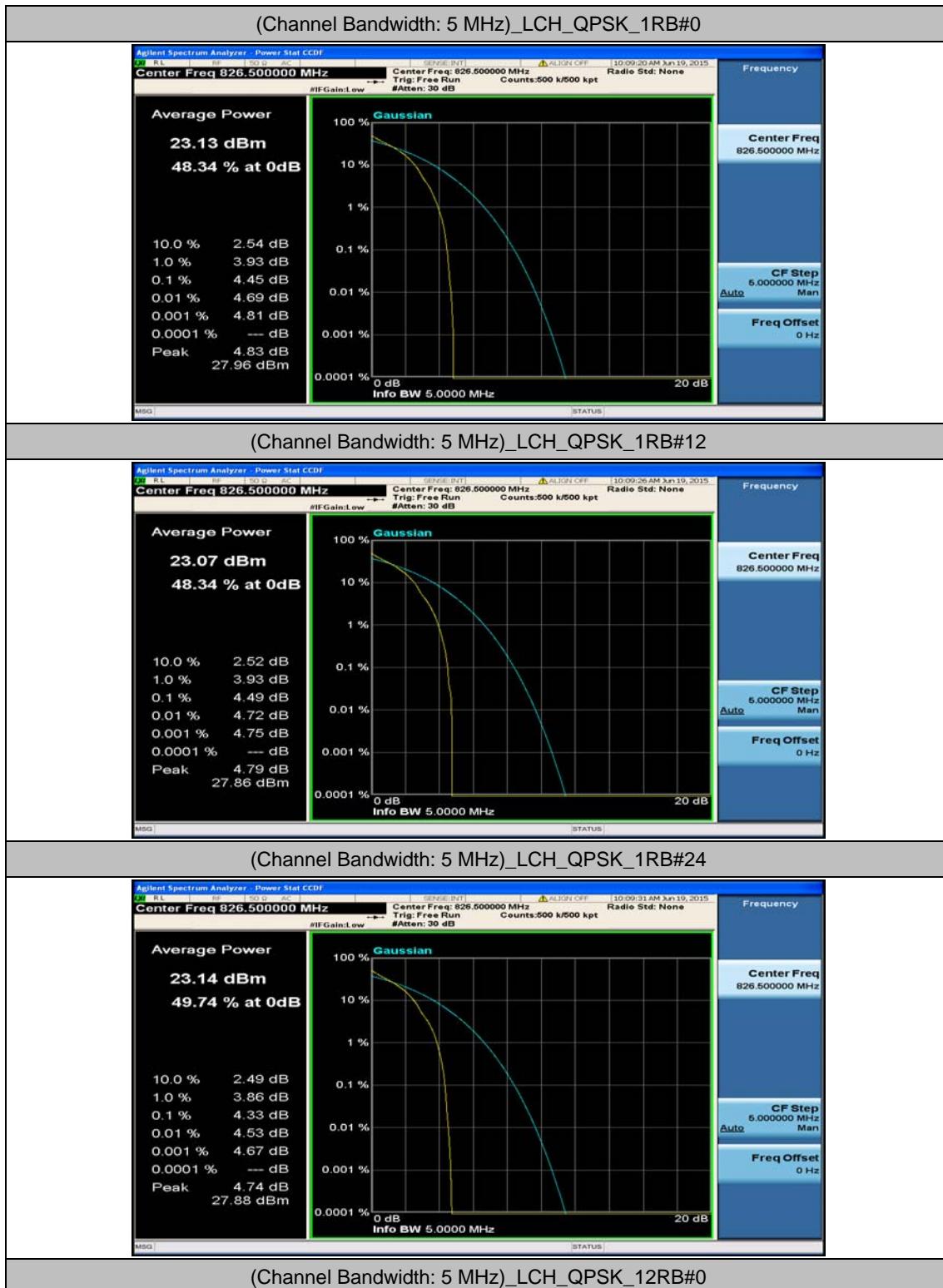


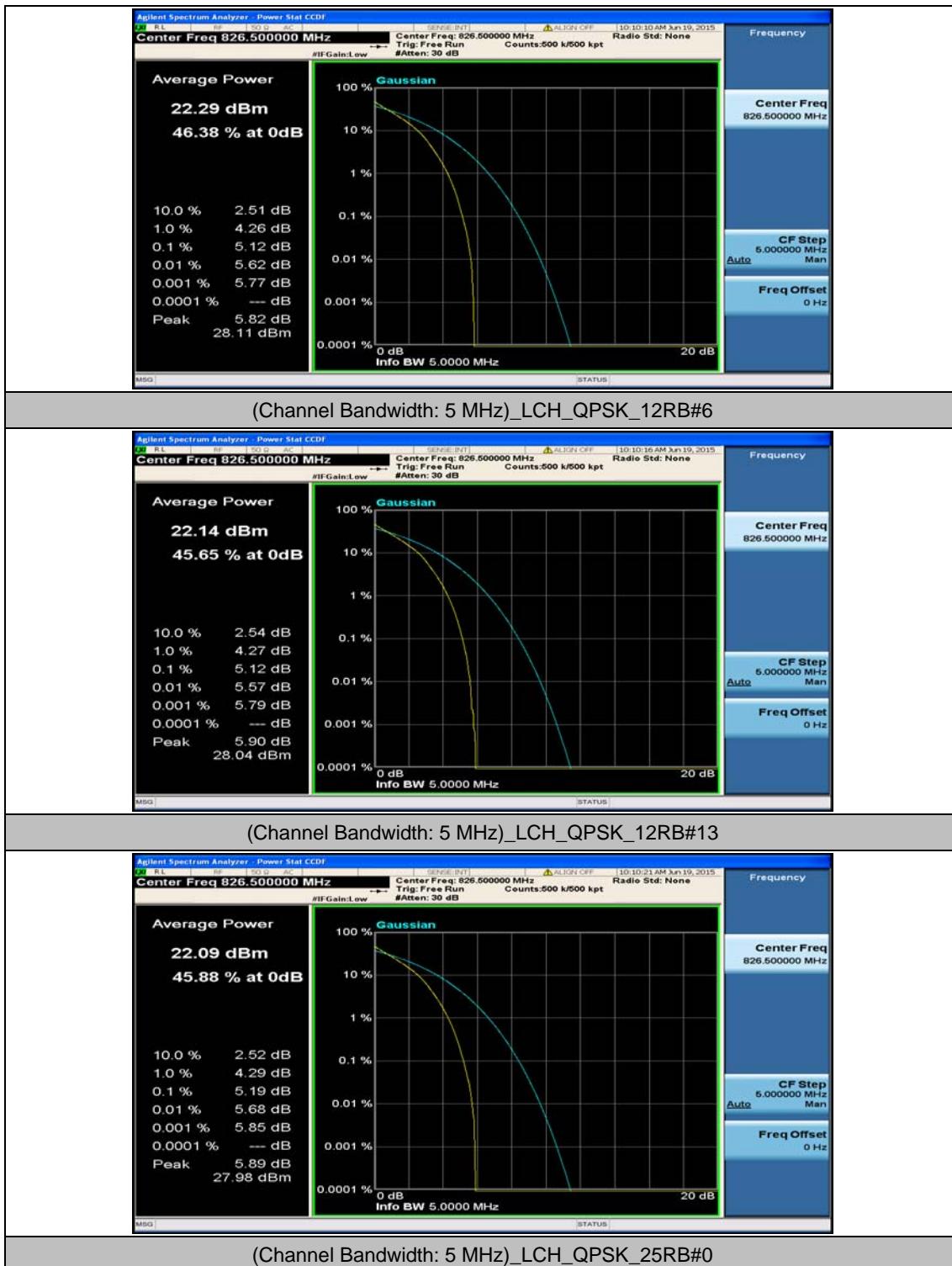


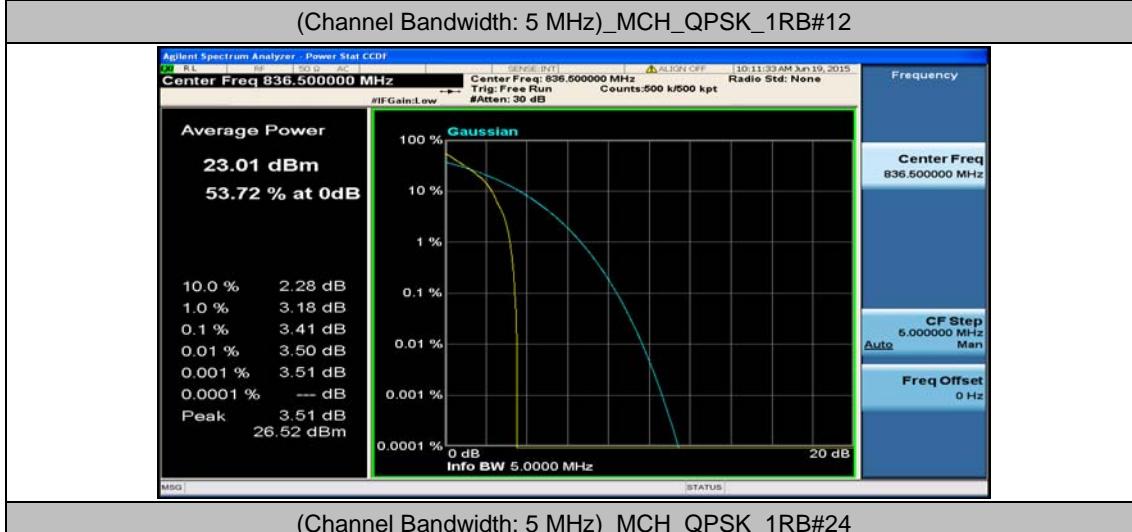
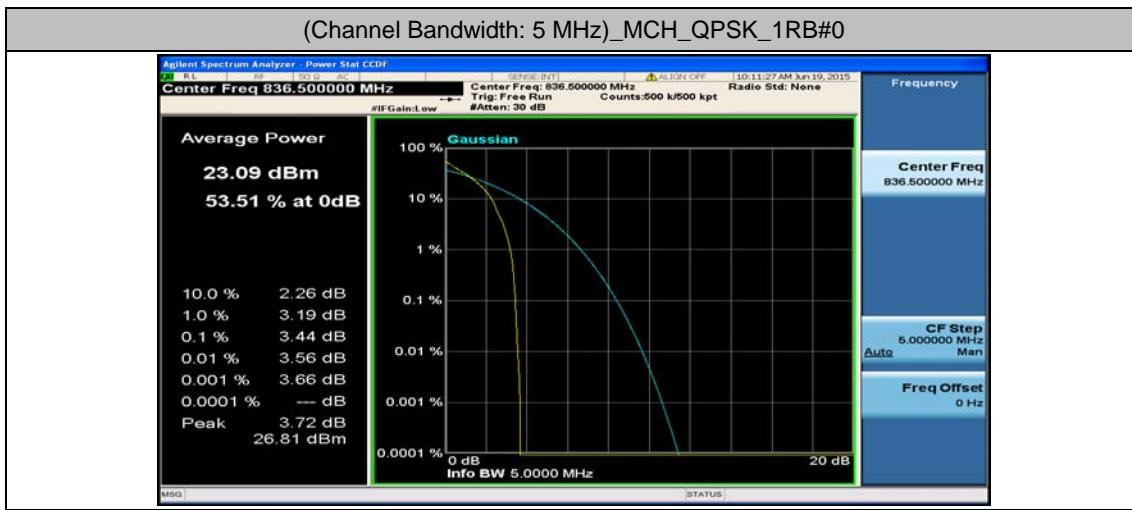
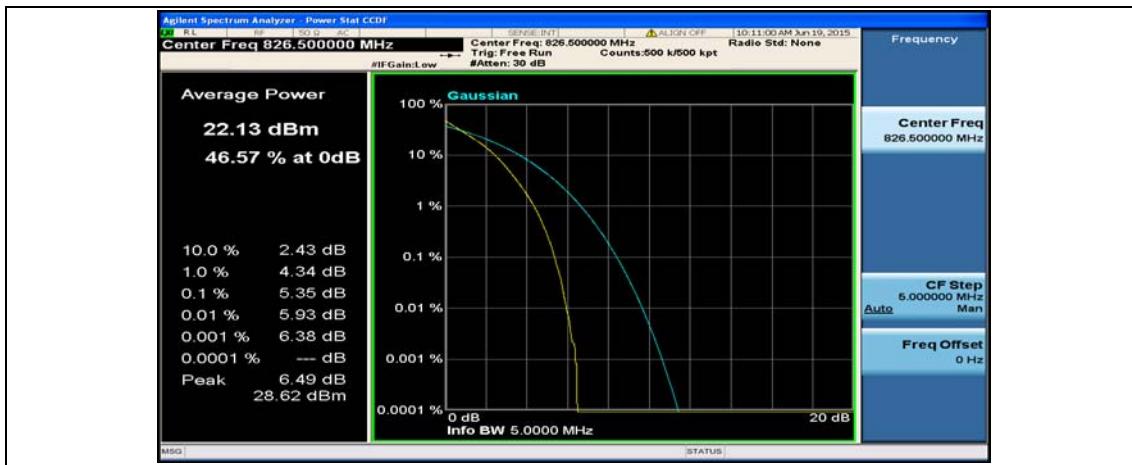




## Channel Bandwidth: 5 MHz







(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

