

## Appendix for Band 12

### 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	23.96	PASS
		1	3	23.58	PASS
		1	5	23.94	PASS
		3	0	22.92	PASS
		3	2	22.97	PASS
		3	3	23.00	PASS
		6	0	22.98	PASS
	MCH	1	0	23.86	PASS
		1	3	23.92	PASS
		1	5	23.83	PASS
		3	0	22.92	PASS
		3	2	22.97	PASS
		3	3	22.93	PASS
		6	0	22.91	PASS
16QAM	LCH	1	0	23.84	PASS
		1	3	23.85	PASS
		1	5	23.95	PASS
		3	0	22.93	PASS
		3	2	22.92	PASS
		3	3	22.89	PASS
		6	0	22.93	PASS
	MCH	1	0	23.21	PASS
		1	3	23.00	PASS
		1	5	23.24	PASS
		3	0	21.95	PASS
		3	2	21.95	PASS
		3	3	21.98	PASS
		6	0	21.96	PASS

		3	3	21.91	PASS
		6	0	21.93	PASS
HCH		1	0	23.28	PASS
		1	3	23.19	PASS
		1	5	23.19	PASS
		3	0	21.92	PASS
		3	2	21.92	PASS
		3	3	21.91	PASS
		6	0	21.96	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.77	PASS
		1	7	23.83	PASS
		1	14	23.83	PASS
		8	0	22.91	PASS
		8	4	22.93	PASS
		8	7	22.93	PASS
		15	0	22.86	PASS
	MCH	1	0	23.74	PASS
		1	7	23.81	PASS
		1	14	23.69	PASS
		8	0	22.82	PASS
		8	4	22.81	PASS
		8	7	22.78	PASS
		15	0	22.80	PASS
	HCH	1	0	23.70	PASS
		1	7	23.78	PASS
		1	14	23.73	PASS
		8	0	22.80	PASS
		8	4	22.83	PASS
		8	7	22.82	PASS
		15	0	22.72	PASS
16QAM	LCH	1	0	23.00	PASS
		1	7	23.01	PASS
		1	14	22.91	PASS
		8	0	21.90	PASS
		8	4	21.92	PASS
		8	7	21.89	PASS
		15	0	21.78	PASS
	MCH	1	0	22.88	PASS

		1	7	23.01	PASS
		1	14	22.92	PASS
		8	0	21.86	PASS
		8	4	21.87	PASS
		8	7	21.83	PASS
		15	0	21.78	PASS
	HCH	1	0	22.91	PASS
		1	7	22.97	PASS
		1	14	23.00	PASS
		8	0	21.71	PASS
		8	4	21.76	PASS
		8	7	21.84	PASS
		15	0	21.71	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.01	PASS
		1	12	23.05	PASS
		1	24	23.87	PASS
		12	0	23.02	PASS
		12	6	22.99	PASS
		12	13	22.97	PASS
		25	0	22.89	PASS
	MCH	1	0	23.97	PASS
		1	12	23.90	PASS
		1	24	23.82	PASS
		12	0	22.94	PASS
		12	6	22.95	PASS
		12	13	22.93	PASS
		25	0	22.88	PASS
	HCH	1	0	23.93	PASS
		1	12	23.88	PASS
		1	24	23.04	PASS
		12	0	22.76	PASS
		12	6	22.74	PASS
		12	13	22.80	PASS
		25	0	22.75	PASS
16QAM	LCH	1	0	23.28	PASS
		1	12	23.13	PASS
		1	24	23.08	PASS
		12	0	22.09	PASS

		12	6	22.02	PASS
		12	13	22.02	PASS
		25	0	21.93	PASS
MCH		1	0	23.15	PASS
		1	12	23.21	PASS
		1	24	23.20	PASS
		12	0	22.11	PASS
		12	6	22.10	PASS
		12	13	22.10	PASS
		25	0	21.91	PASS
		1	0	22.87	PASS
HCH		1	12	22.69	PASS
		1	24	22.71	PASS
		12	0	21.82	PASS
		12	6	21.77	PASS
		12	13	21.80	PASS
		25	0	21.75	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.98	PASS
		1	24	23.94	PASS
		1	49	23.98	PASS
		25	0	23.00	PASS
		25	12	23.97	PASS
		25	25	23.93	PASS
		50	0	23.02	PASS
	MCH	1	0	23.92	PASS
		1	24	23.86	PASS
		1	49	23.81	PASS
		25	0	23.82	PASS
		25	12	23.73	PASS
		25	25	23.76	PASS
		50	0	22.73	PASS
	HCH	1	0	23.75	PASS
		1	24	23.74	PASS
		1	49	23.77	PASS
		25	0	23.87	PASS
		25	12	23.77	PASS
		25	25	23.77	PASS
		50	0	22.79	PASS

16QAM	LCH	1	0	23.09	PASS
		1	24	23.11	PASS
		1	49	23.05	PASS
		25	0	23.07	PASS
		25	12	22.99	PASS
		25	25	23.01	PASS
		50	0	21.93	PASS
	MCH	1	0	23.08	PASS
		1	24	23.07	PASS
		1	49	23.08	PASS
		25	0	22.78	PASS
		25	12	22.74	PASS
		25	25	22.76	PASS
		50	0	21.72	PASS
	HCH	1	0	22.85	PASS
		1	24	22.94	PASS
		1	49	22.92	PASS
		25	0	22.78	PASS
		25	12	22.75	PASS
		25	25	22.80	PASS
		50	0	21.91	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	4.29	<13	PASS
		1	3	4	<13	PASS
		1	5	3.84	<13	PASS
		3	0	4.23	<13	PASS
		3	2	4	<13	PASS
		3	3	3.93	<13	PASS
		6	0	5.13	<13	PASS
	MCH	1	0	4.15	<13	PASS
		1	3	4.39	<13	PASS
		1	5	4.63	<13	PASS
		3	0	4.51	<13	PASS
		3	2	4.7	<13	PASS
		3	3	4.81	<13	PASS
		6	0	5.48	<13	PASS
16QAM	LCH	1	0	2.92	<13	PASS
		1	3	3.13	<13	PASS
		1	5	3.36	<13	PASS
		3	0	3.23	<13	PASS
		3	2	3.34	<13	PASS
		3	3	3.5	<13	PASS
		6	0	4.48	<13	PASS
	MCH	1	0	5.22	<13	PASS
		1	3	4.85	<13	PASS
		1	5	4.7	<13	PASS
		3	0	5.21	<13	PASS
		3	2	5.02	<13	PASS
		3	3	4.95	<13	PASS
		6	0	6	<13	PASS

		3	3	5.75	<13	PASS
		6	0	6.29	<13	PASS
HCH		1	0	3.91	<13	PASS
		1	3	4.09	<13	PASS
		1	5	4.28	<13	PASS
		3	0	3.99	<13	PASS
		3	2	4.14	<13	PASS
		3	3	4.26	<13	PASS
		6	0	5.29	<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	4.07	<13	PASS
		1	7	3.32	<13	PASS
		1	14	2.82	<13	PASS
		8	0	4.74	<13	PASS
		8	4	4.32	<13	PASS
		8	7	4.12	<13	PASS
		15	0	4.81	<13	PASS
	MCH	1	0	3.72	<13	PASS
		1	7	4.45	<13	PASS
		1	14	4.86	<13	PASS
		8	0	5.17	<13	PASS
		8	4	5.42	<13	PASS
		8	7	5.59	<13	PASS
		15	0	5.57	<13	PASS
	HCH	1	0	2.84	<13	PASS
		1	7	2.77	<13	PASS
		1	14	3.37	<13	PASS
		8	0	4.02	<13	PASS
		8	4	3.92	<13	PASS
		8	7	4.22	<13	PASS
		15	0	4.74	<13	PASS
16QAM	LCH	1	0	4.95	<13	PASS
		1	7	4.25	<13	PASS
		1	14	3.83	<13	PASS
		8	0	5.55	<13	PASS
		8	4	5.18	<13	PASS
		8	7	4.98	<13	PASS

		15	0	5.73	<13	PASS
MCH	1	0		4.65	<13	PASS
	1	7		5.39	<13	PASS
	1	14		5.7	<13	PASS
	8	0		5.85	<13	PASS
	8	4		6.15	<13	PASS
	8	7		6.27	<13	PASS
	15	0		6.41	<13	PASS
HCH	1	0		3.87	<13	PASS
	1	7		3.8	<13	PASS
	1	14		4.21	<13	PASS
	8	0		4.9	<13	PASS
	8	4		4.73	<13	PASS
	8	7		4.98	<13	PASS
	15	0		5.44	<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	3.82	<13	PASS
		1	12	2.68	<13	PASS
		1	24	2.81	<13	PASS
		12	0	4.42	<13	PASS
		12	6	3.89	<13	PASS
		12	13	3.76	<13	PASS
		25	0	4.69	<13	PASS
QPSK	MCH	1	0	3.12	<13	PASS
		1	12	4.35	<13	PASS
		1	24	4.61	<13	PASS
		12	0	4.86	<13	PASS
		12	6	5.32	<13	PASS
		12	13	5.54	<13	PASS
		25	0	5.54	<13	PASS
QPSK	HCH	1	0	3.82	<13	PASS
		1	12	2.78	<13	PASS
		1	24	3.39	<13	PASS
		12	0	4.39	<13	PASS
		12	6	3.87	<13	PASS
		12	13	4.11	<13	PASS
		25	0	4.82	<13	PASS

16QAM	LCH	1	0	4.71	<13	PASS
		1	12	3.76	<13	PASS
		1	24	3.81	<13	PASS
		12	0	5.34	<13	PASS
		12	6	4.84	<13	PASS
		12	13	4.7	<13	PASS
		25	0	5.51	<13	PASS
	MCH	1	0	4.17	<13	PASS
		1	12	5.19	<13	PASS
		1	24	5.56	<13	PASS
		12	0	5.69	<13	PASS
		12	6	6.1	<13	PASS
		12	13	6.37	<13	PASS
		25	0	6.34	<13	PASS
	HCH	1	0	4.54	<13	PASS
		1	12	3.65	<13	PASS
		1	24	4.04	<13	PASS
		12	0	5.31	<13	PASS
		12	6	4.82	<13	PASS
		12	13	4.98	<13	PASS
		25	0	5.56	<13	PASS

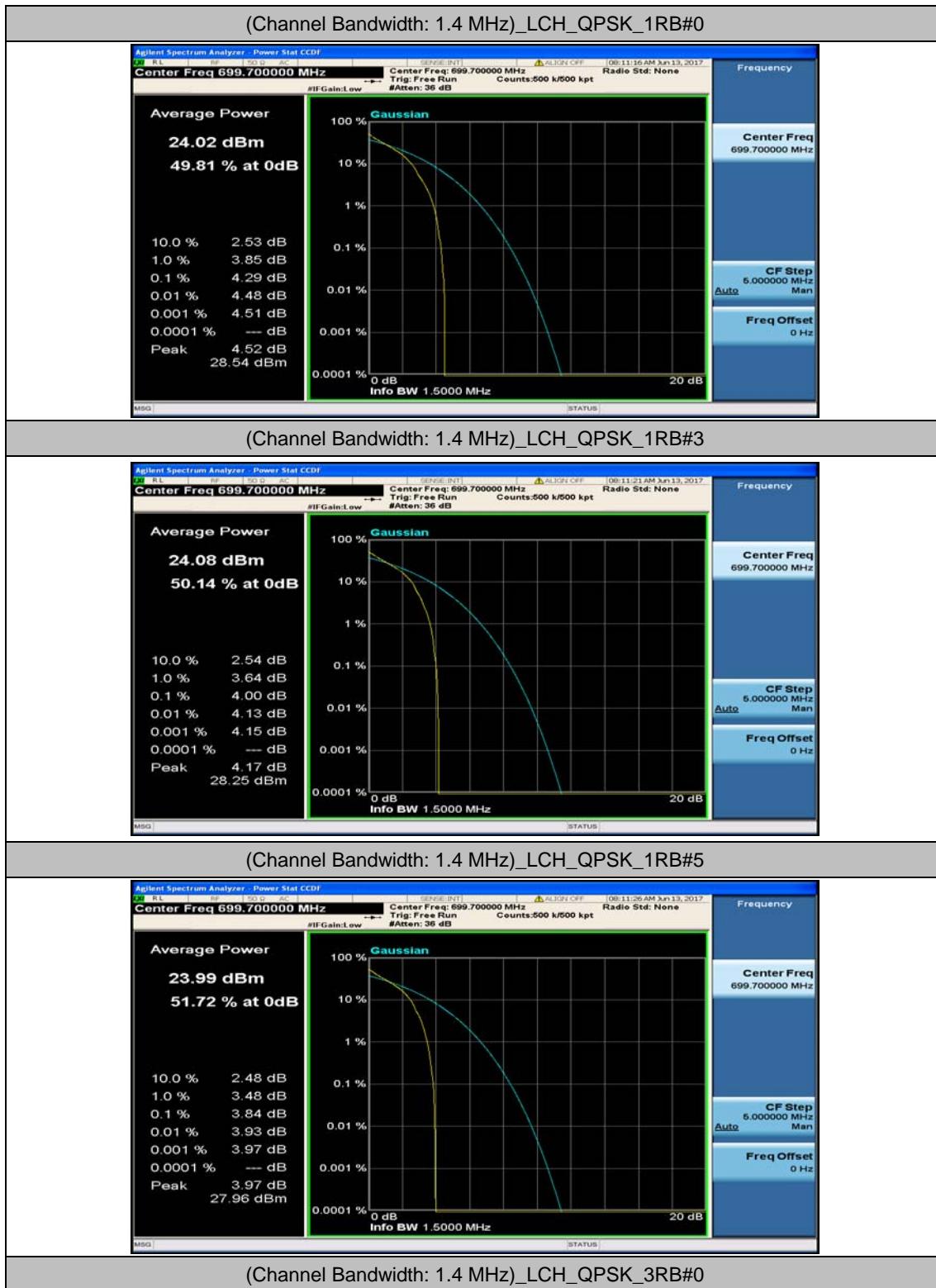
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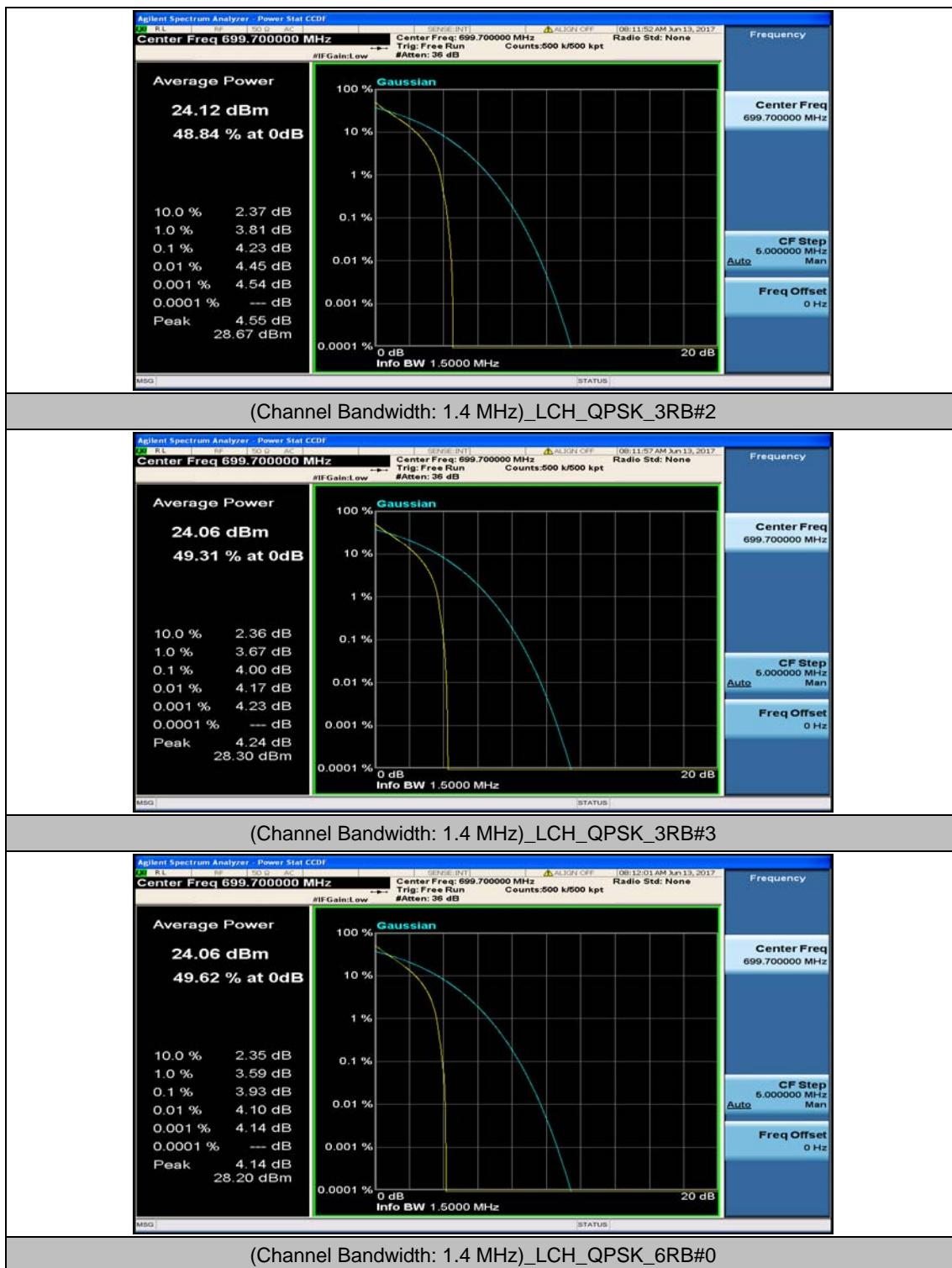
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.69	<13	PASS
		1	24	3.07	<13	PASS
		1	49	4.77	<13	PASS
		25	0	4.54	<13	PASS
		25	12	4.14	<13	PASS
		25	25	5.17	<13	PASS
		50	0	5.38	<13	PASS
	MCH	1	0	2.7	<13	PASS
		1	24	4.38	<13	PASS
		1	49	3.4	<13	PASS
		25	0	4.82	<13	PASS
		25	12	5.33	<13	PASS
		25	25	5.27	<13	PASS
		50	0	5.44	<13	PASS
	HCH	1	0	3.78	<13	PASS

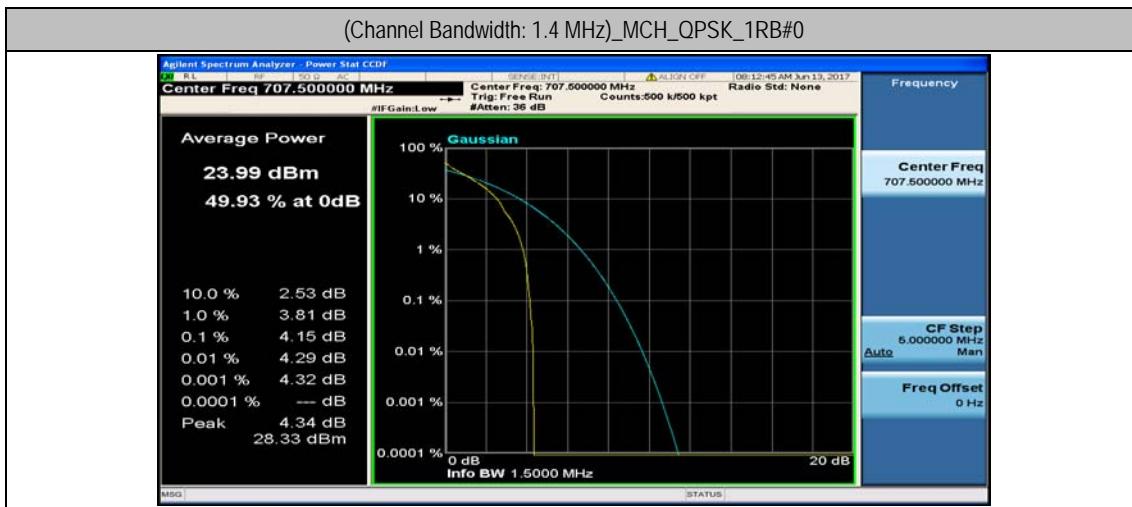
		1	24	3.93	<13	PASS
		1	49	3.2	<13	PASS
		25	0	5.31	<13	PASS
		25	12	4.88	<13	PASS
		25	25	4.51	<13	PASS
		50	0	4.85	<13	PASS
16QAM	LCH	1	0	4.6	<13	PASS
		1	24	3.82	<13	PASS
		1	49	5.61	<13	PASS
		25	0	5.34	<13	PASS
		25	12	4.98	<13	PASS
		25	25	5.91	<13	PASS
		50	0	6	<13	PASS
	MCH	1	0	3.65	<13	PASS
		1	24	5.28	<13	PASS
		1	49	4.34	<13	PASS
		25	0	5.61	<13	PASS
		25	12	6.21	<13	PASS
		25	25	6.19	<13	PASS
		50	0	6.17	<13	PASS
	HCH	1	0	4.72	<13	PASS
		1	24	4.84	<13	PASS
		1	49	4.06	<13	PASS
		25	0	6.2	<13	PASS
		25	12	5.82	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.83	<13	PASS

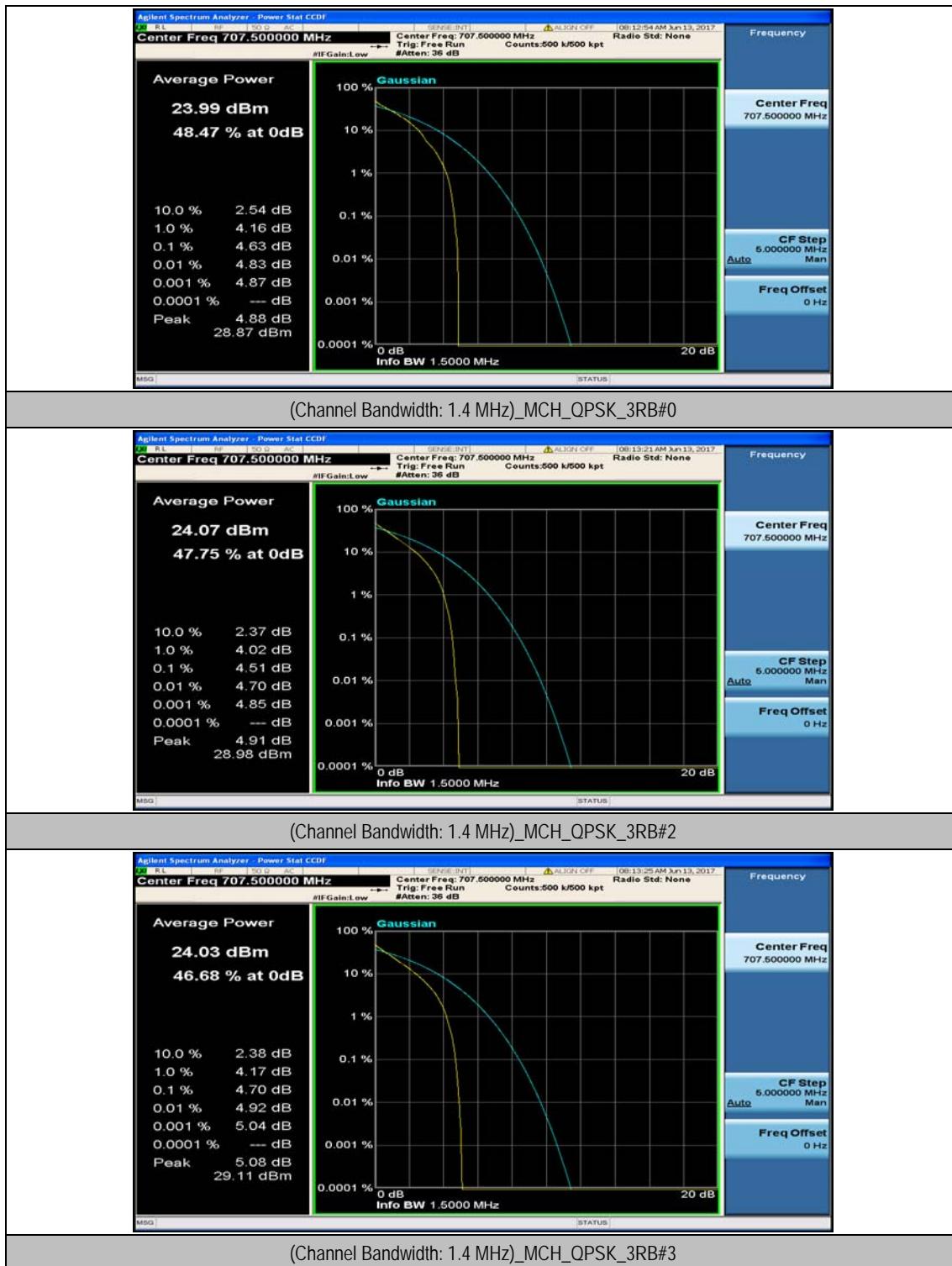
## Test Graphs

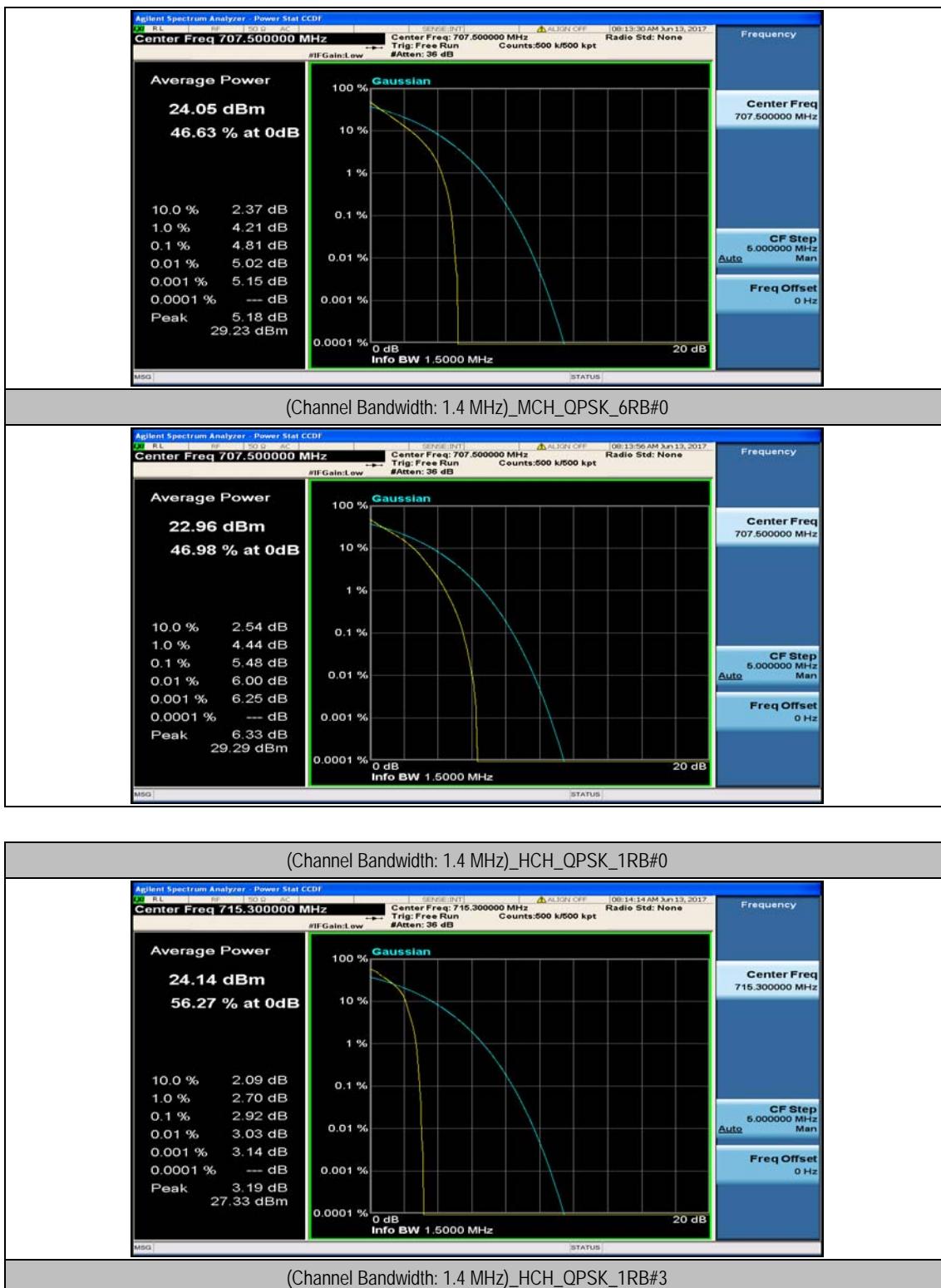
### Channel Bandwidth: 1.4 MHz

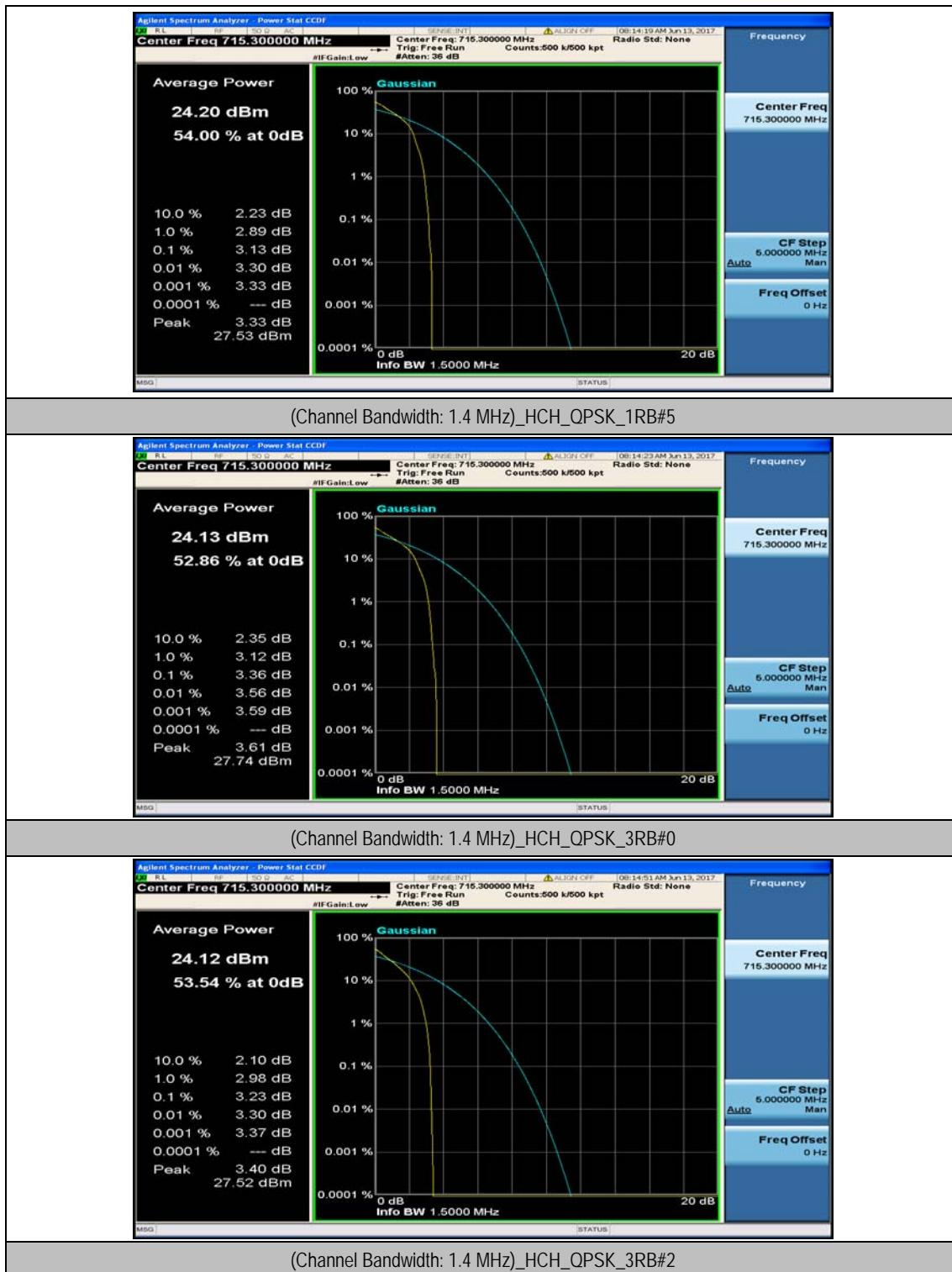


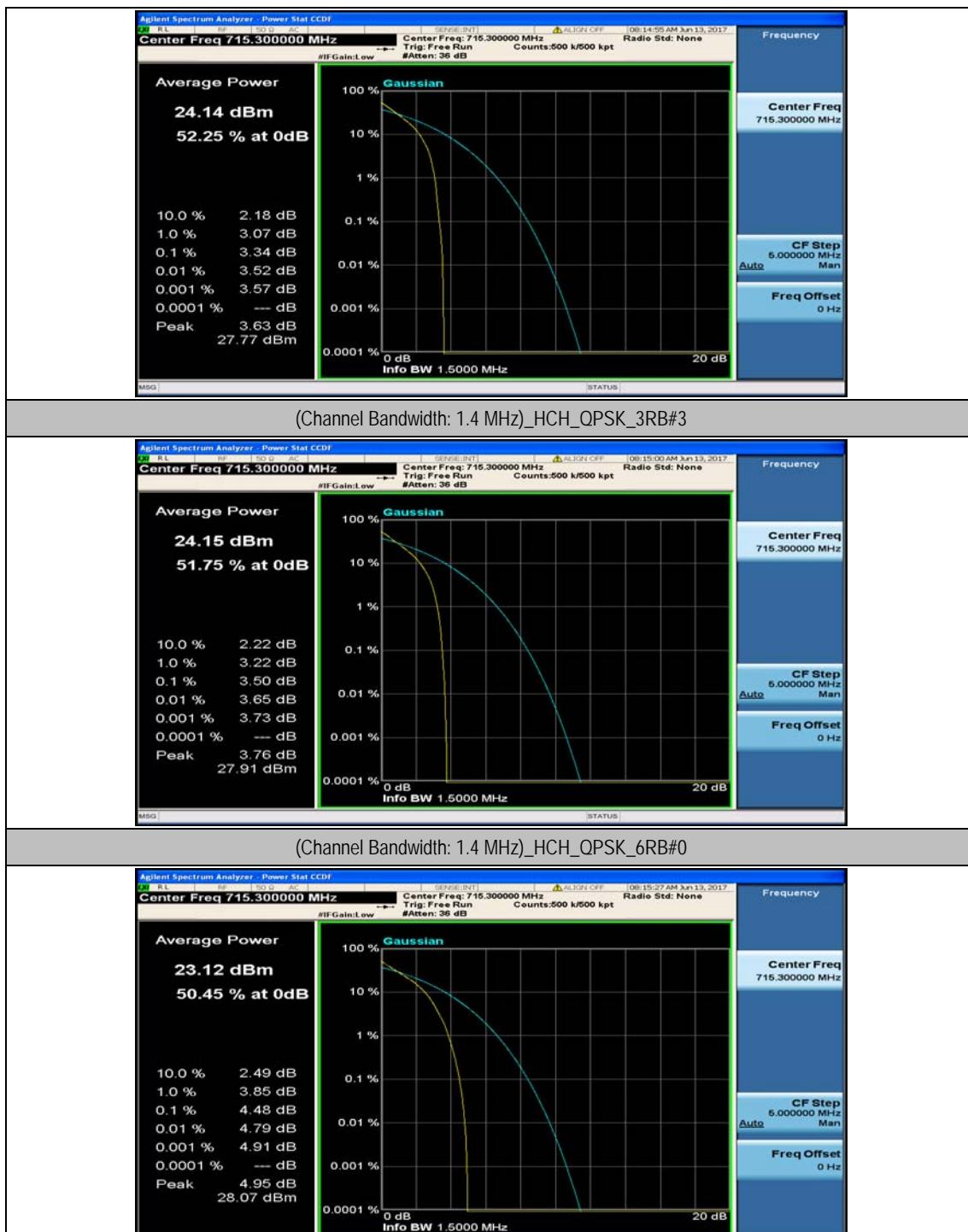


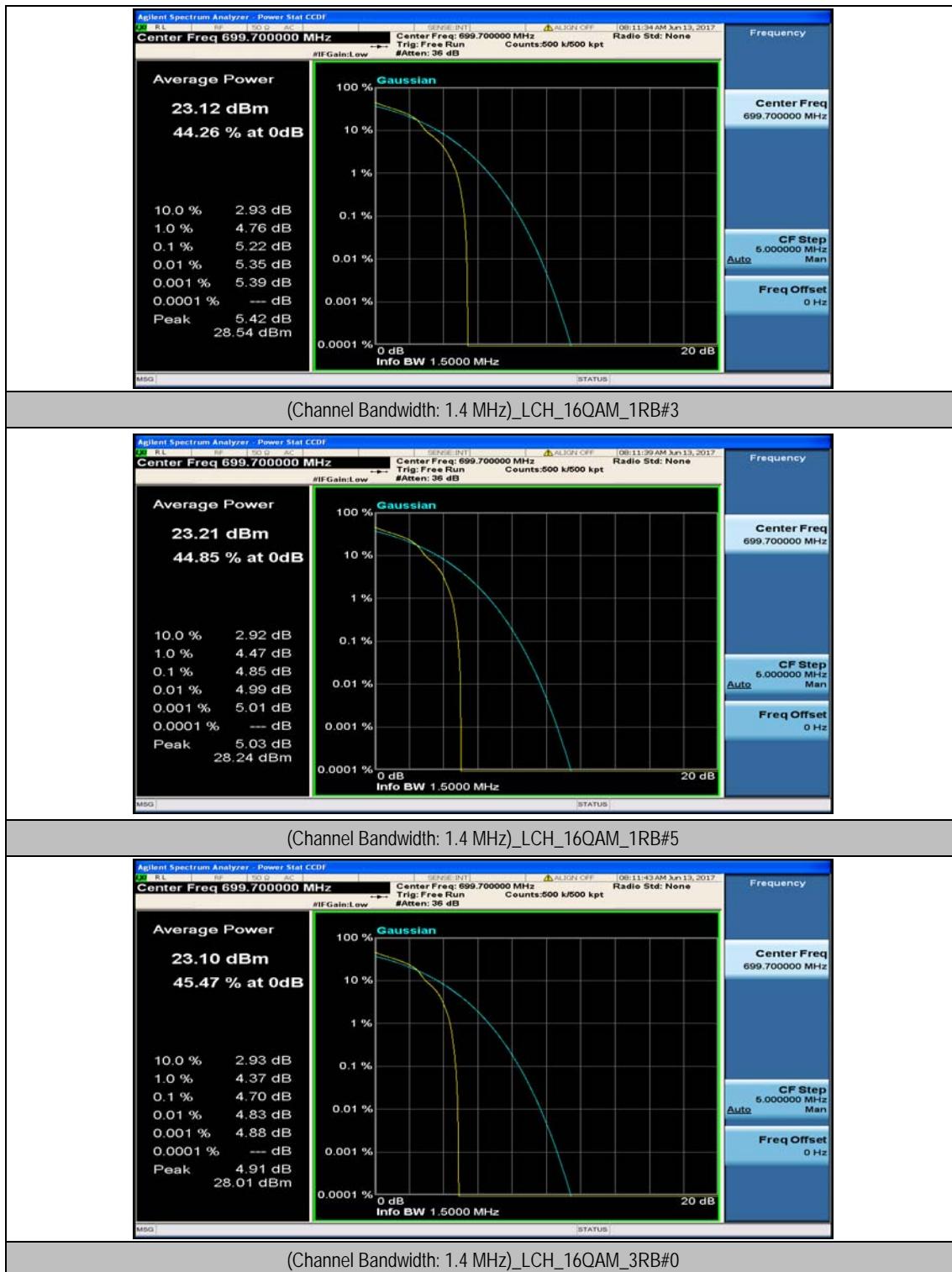


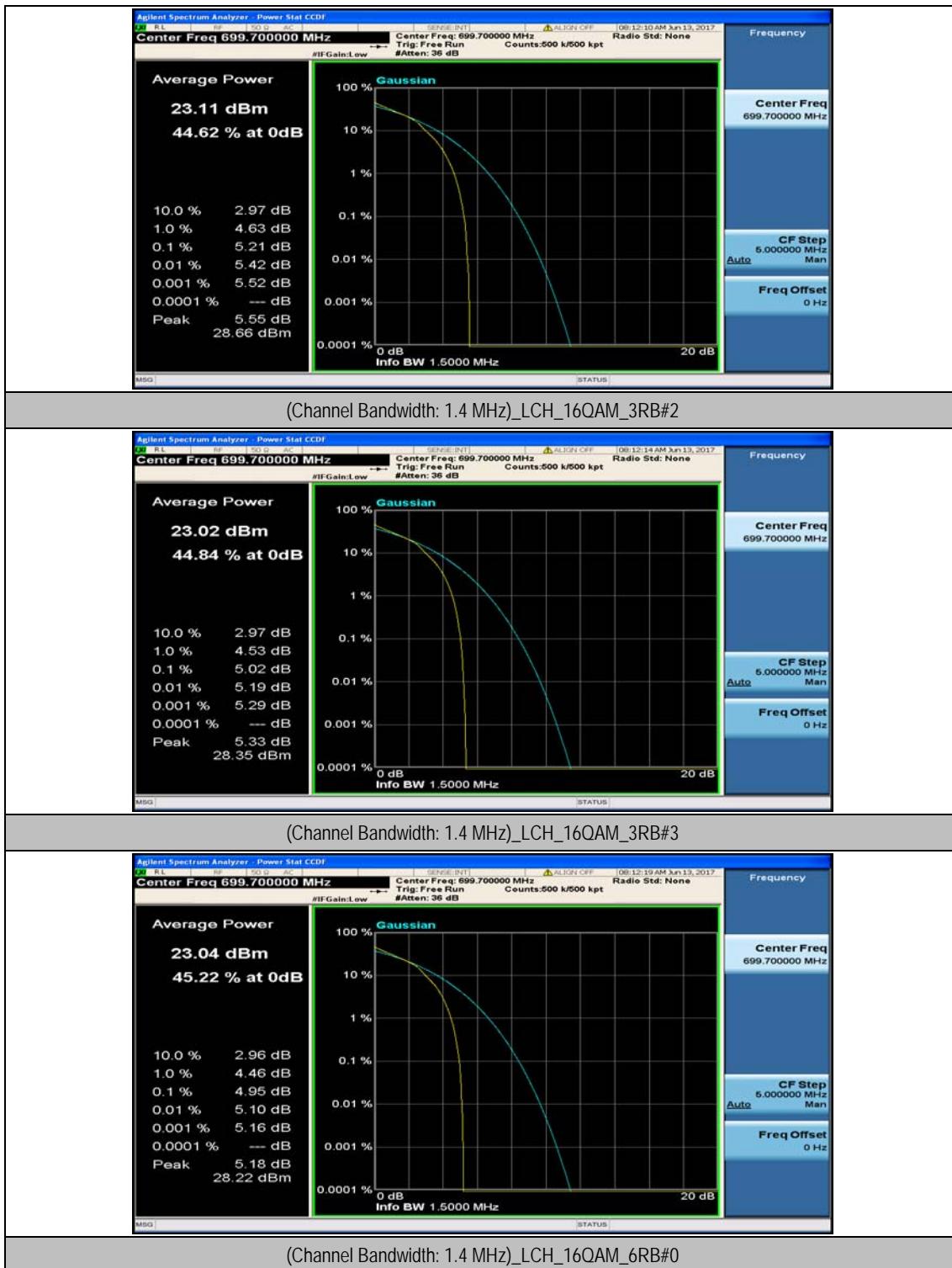


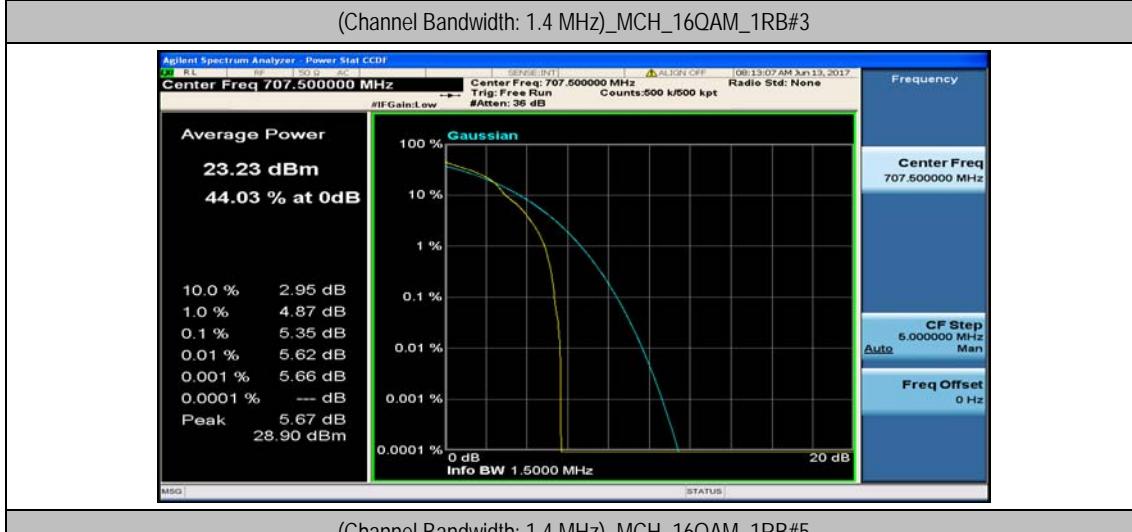


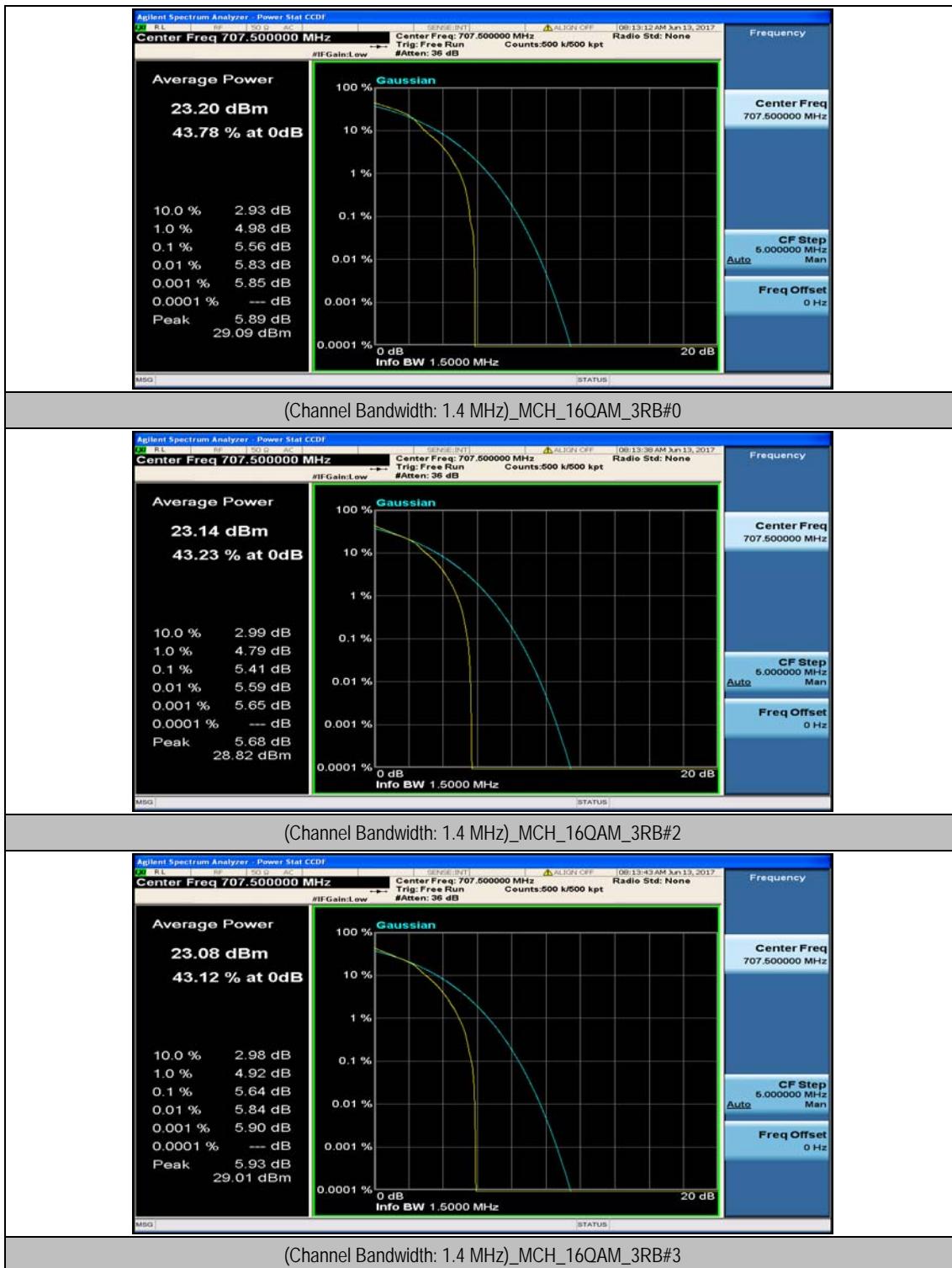


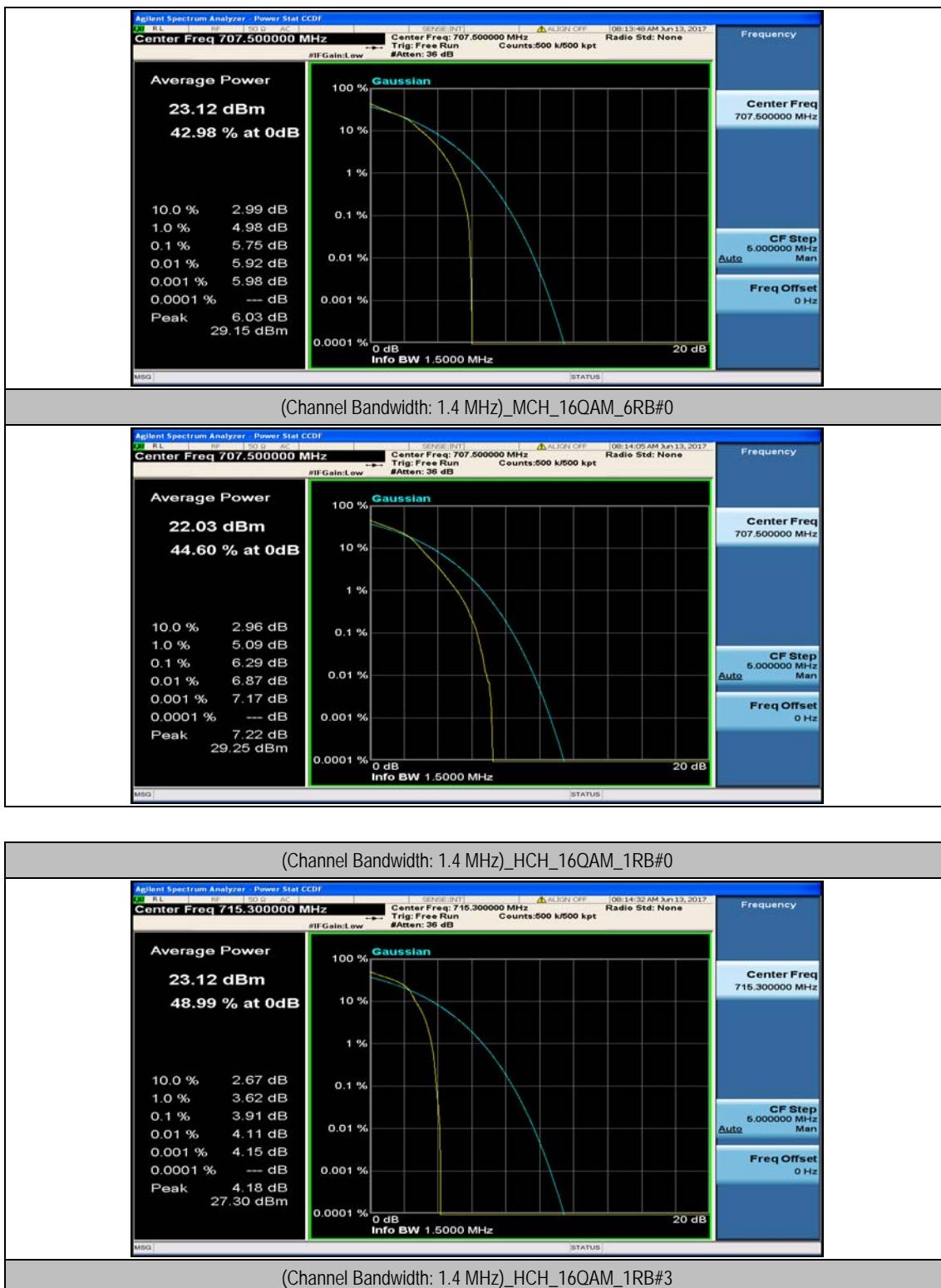


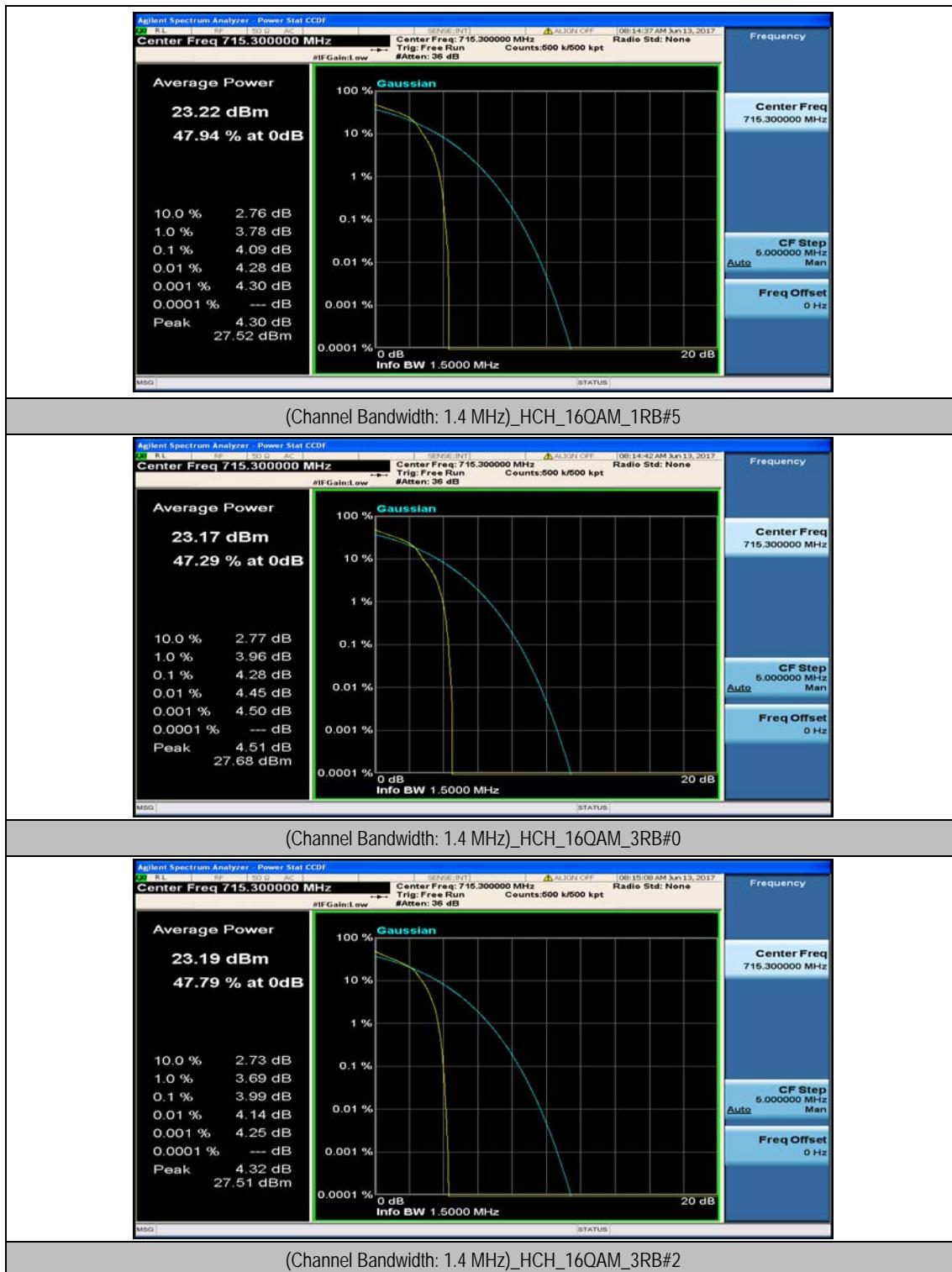


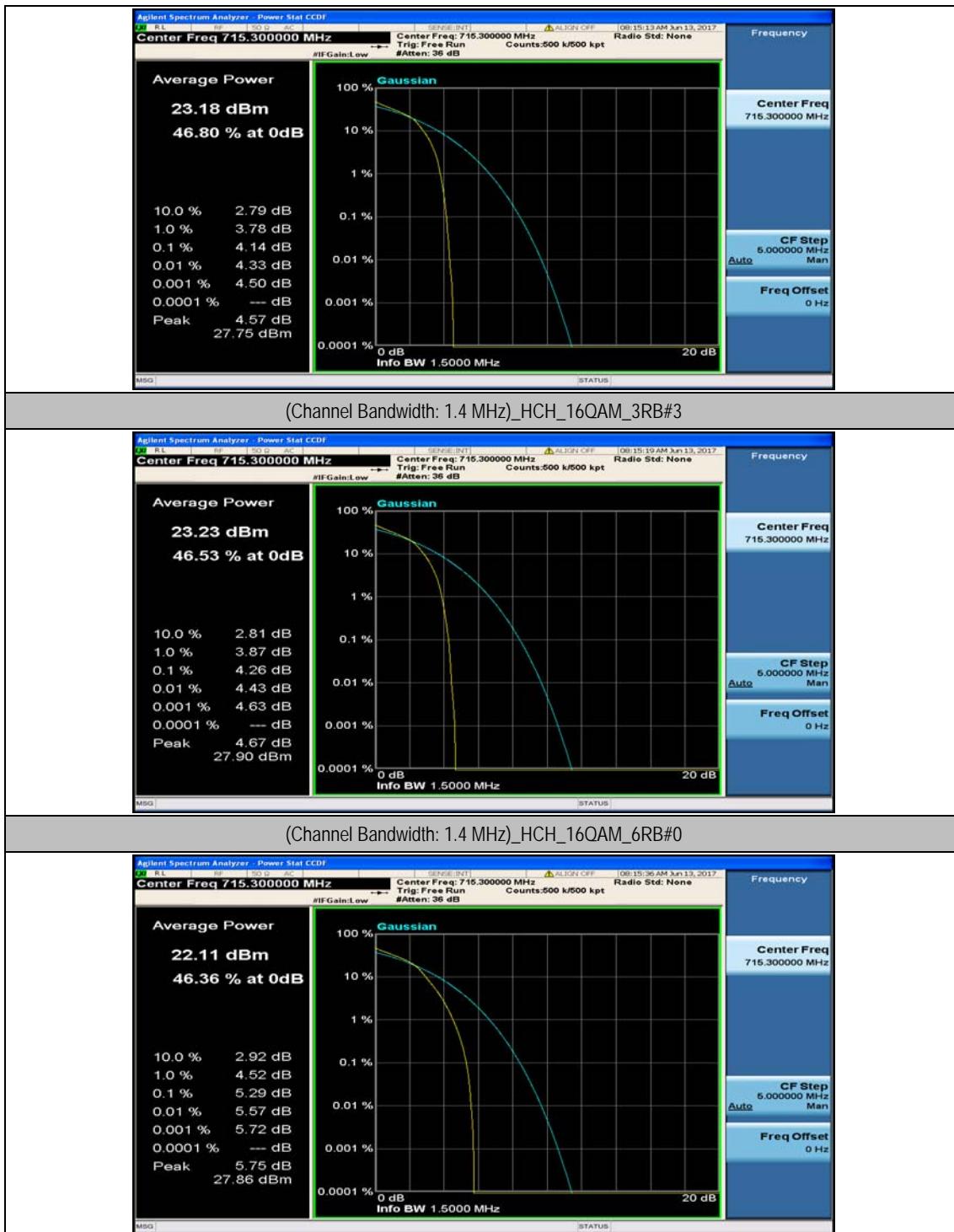




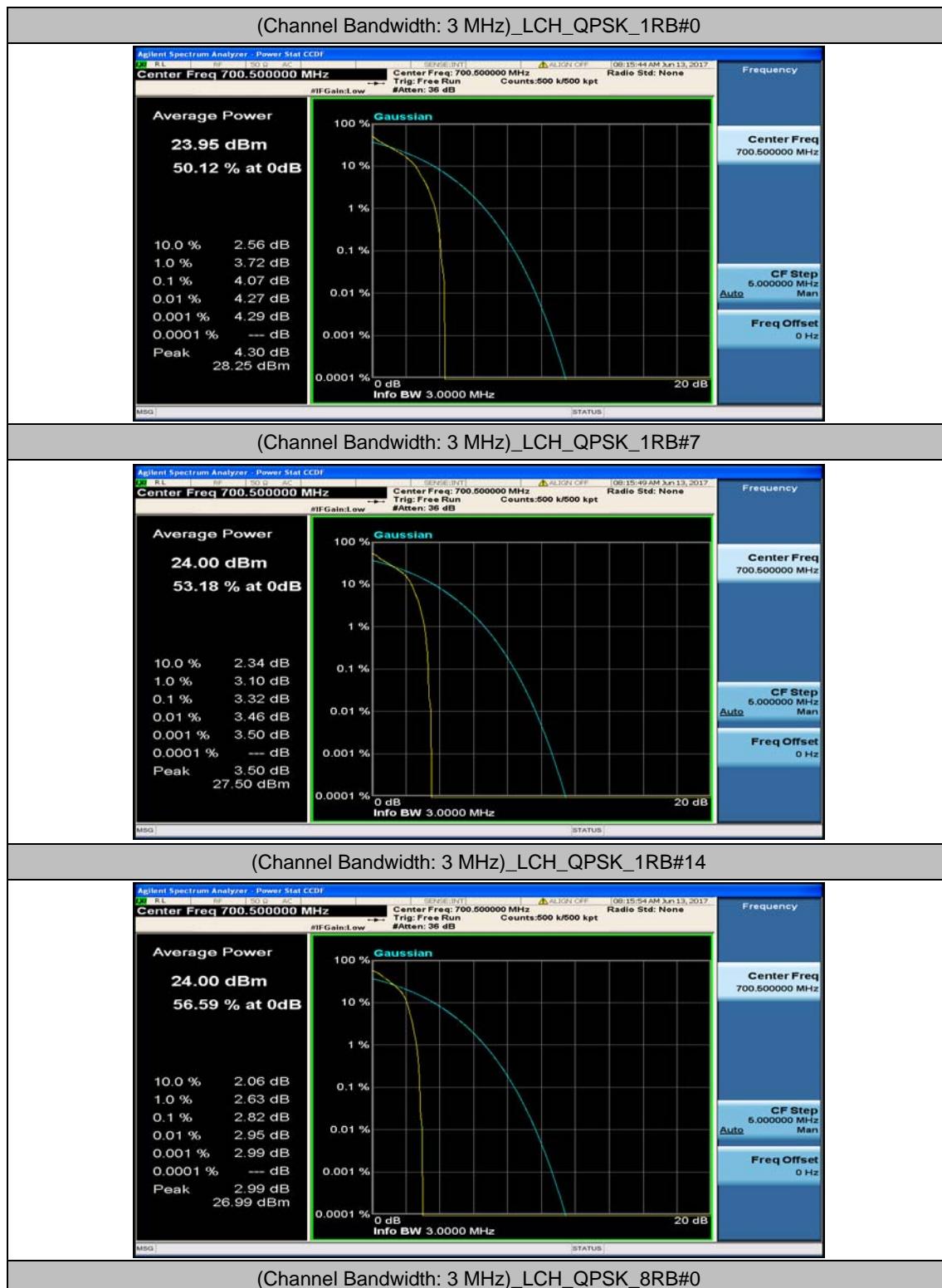


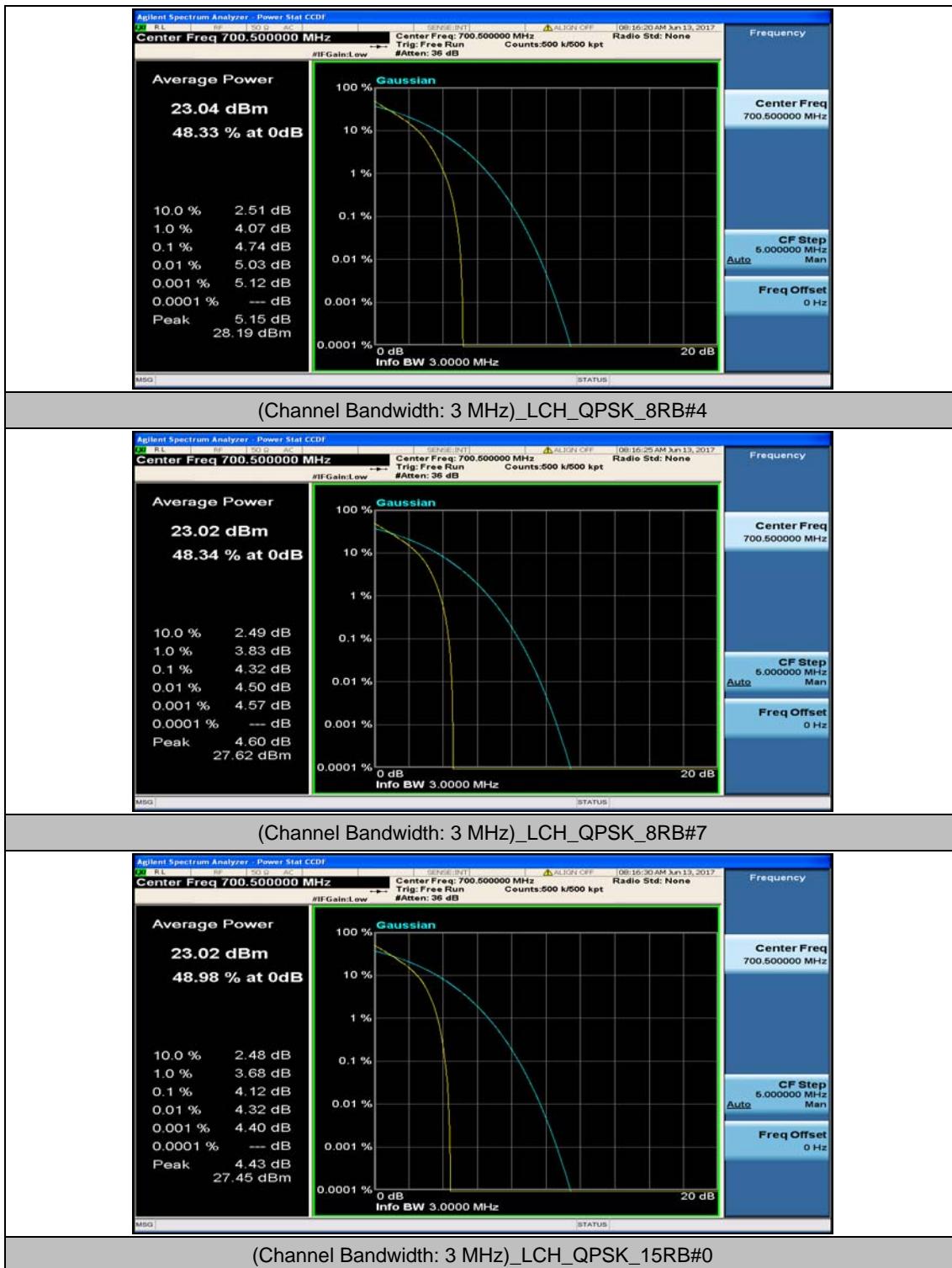


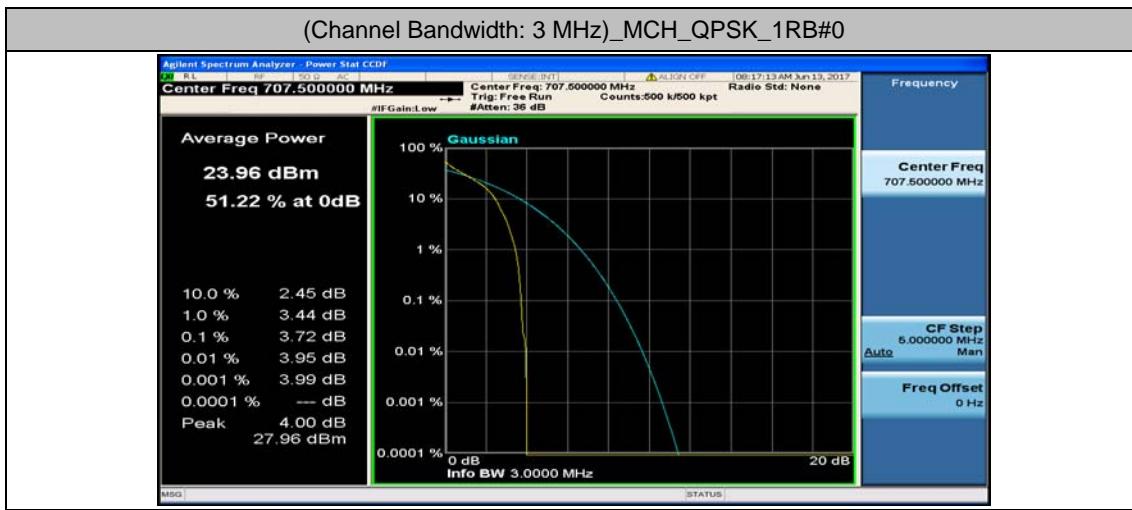
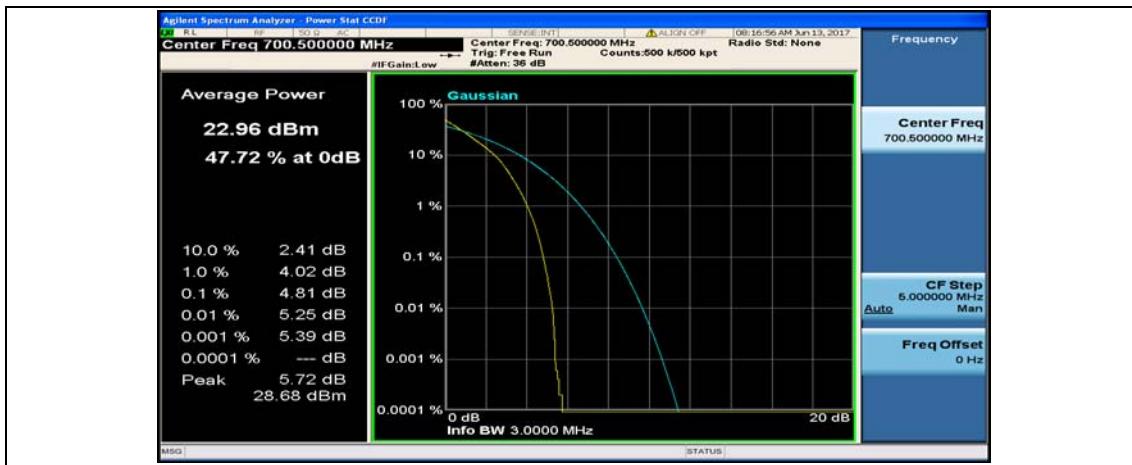


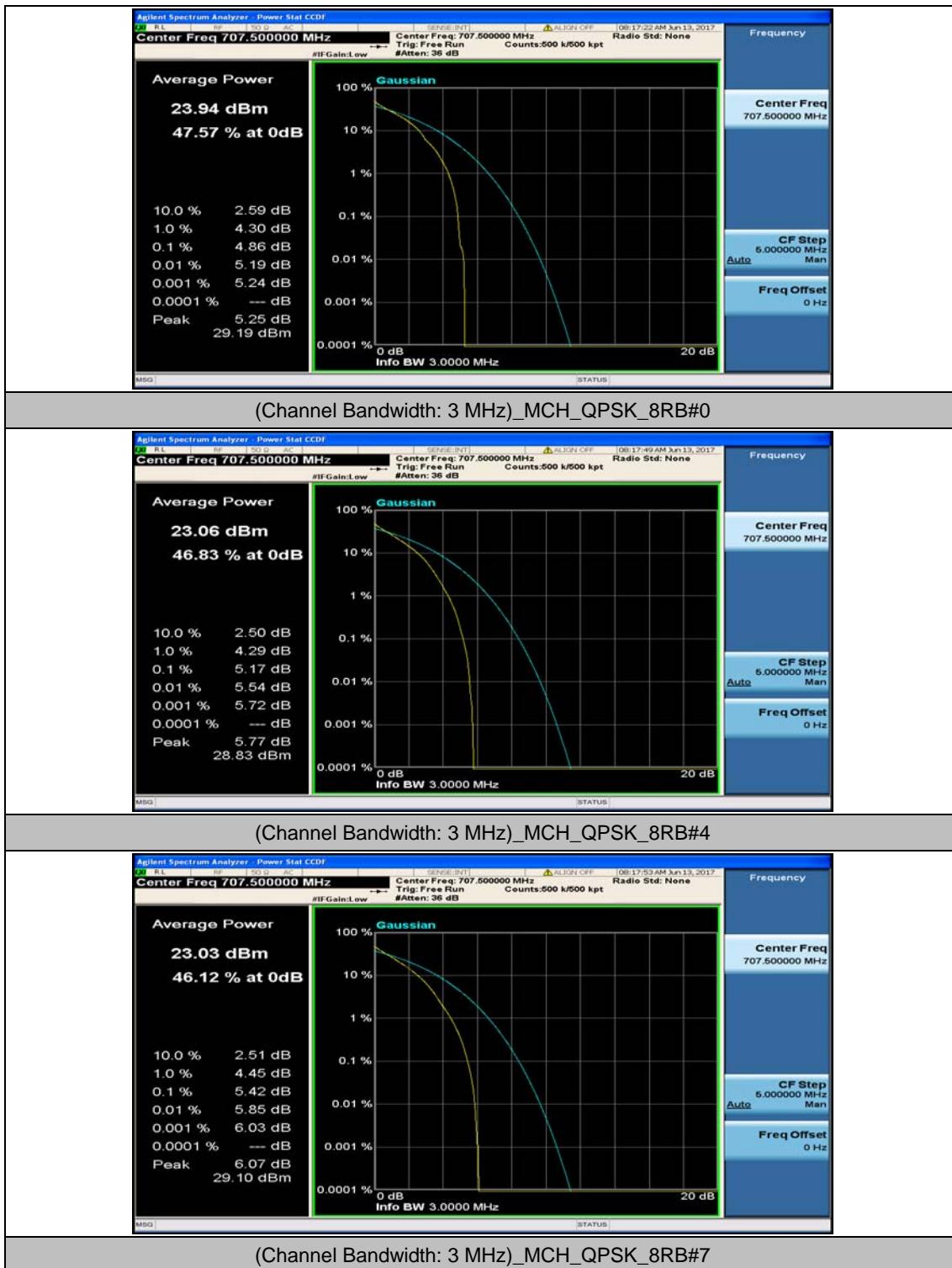


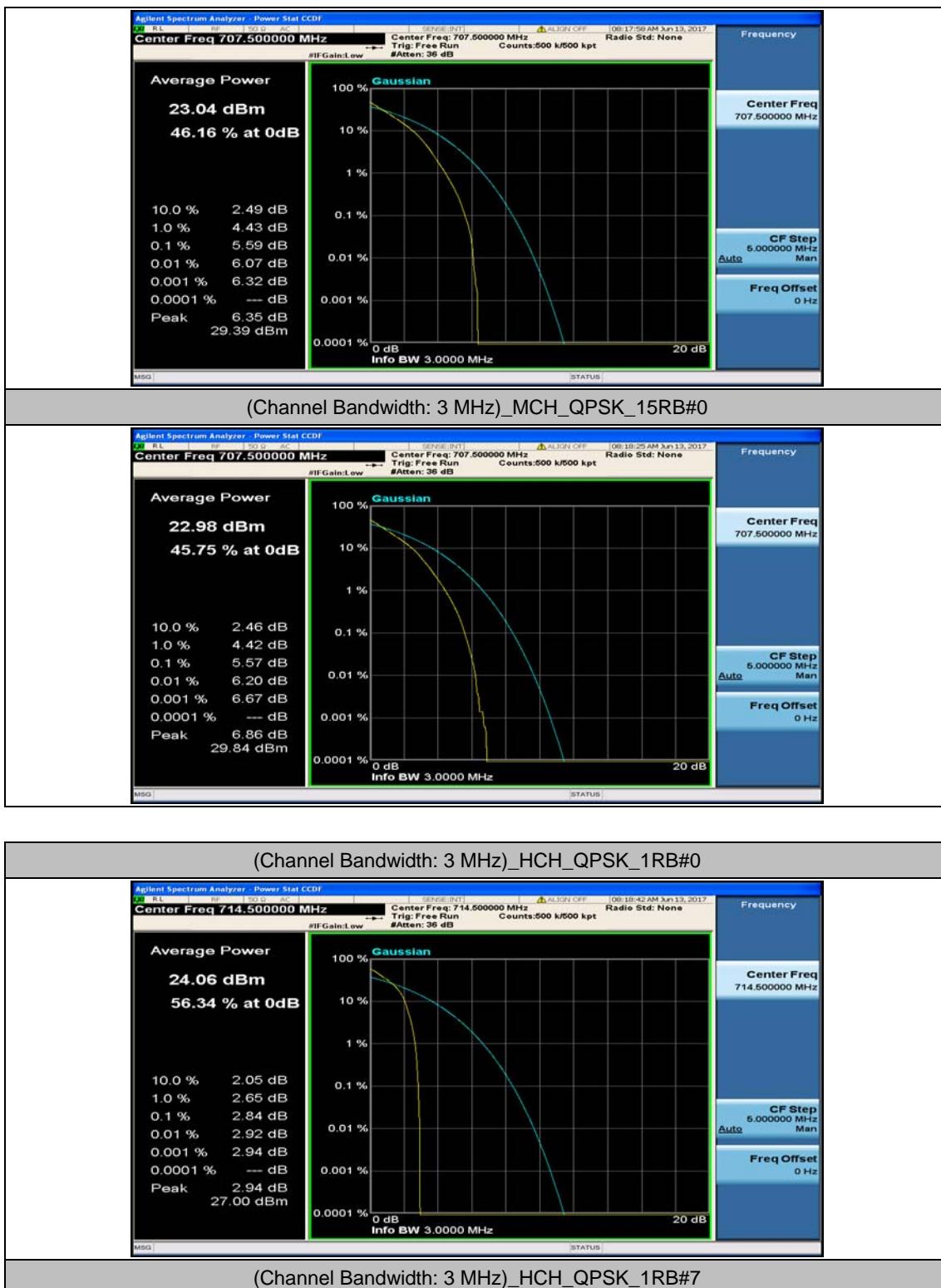
## Channel Bandwidth: 3 MHz

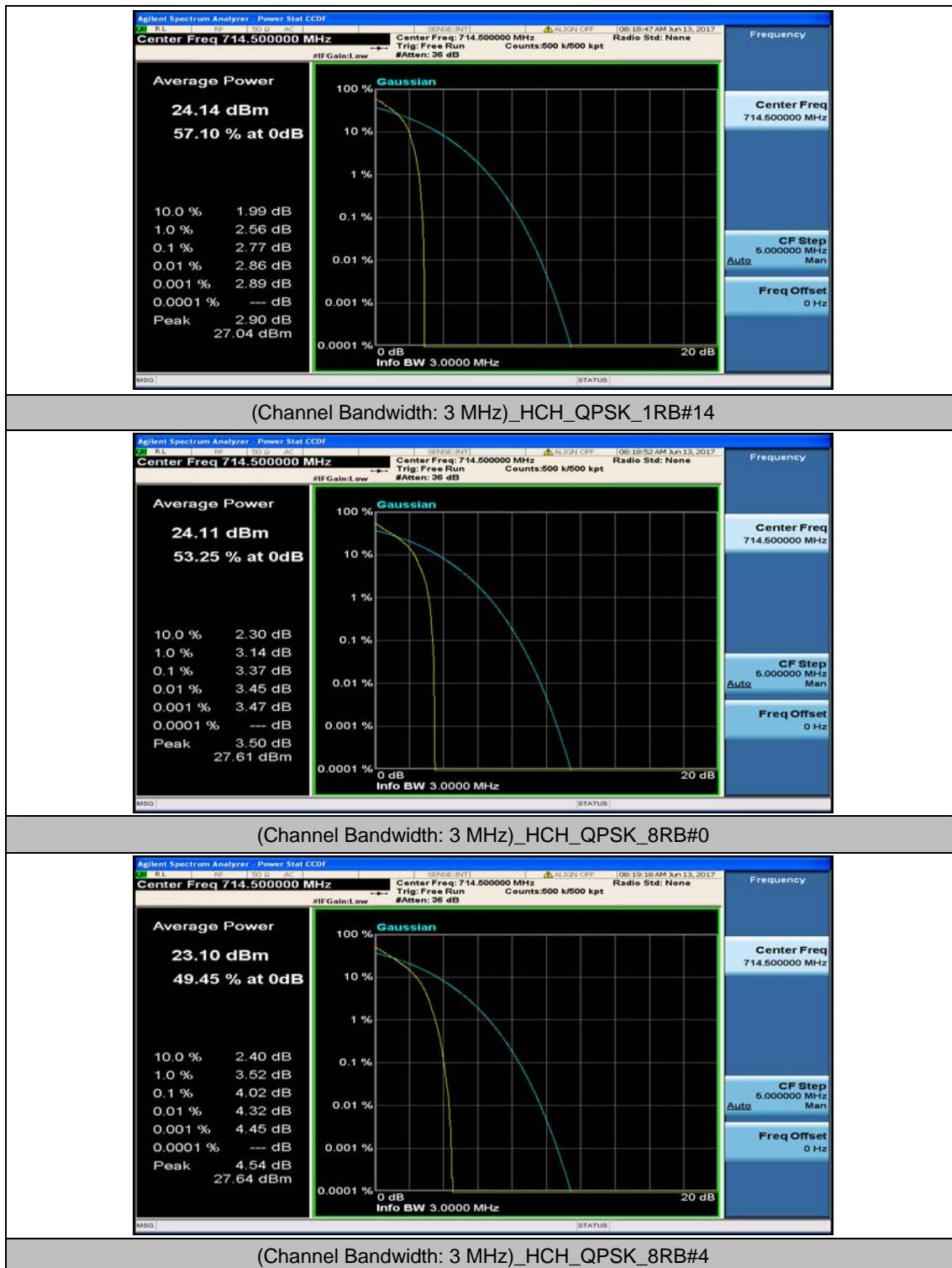


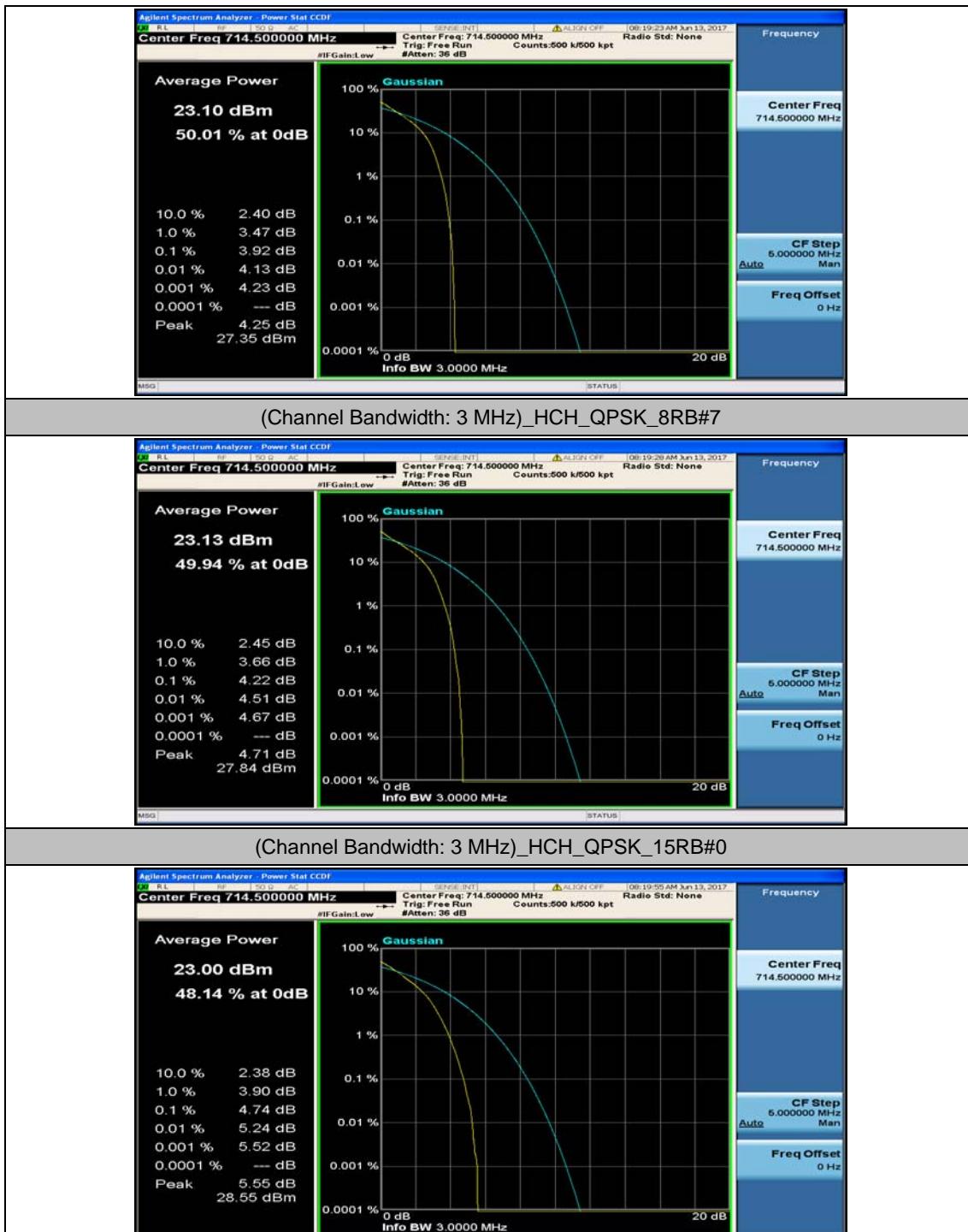


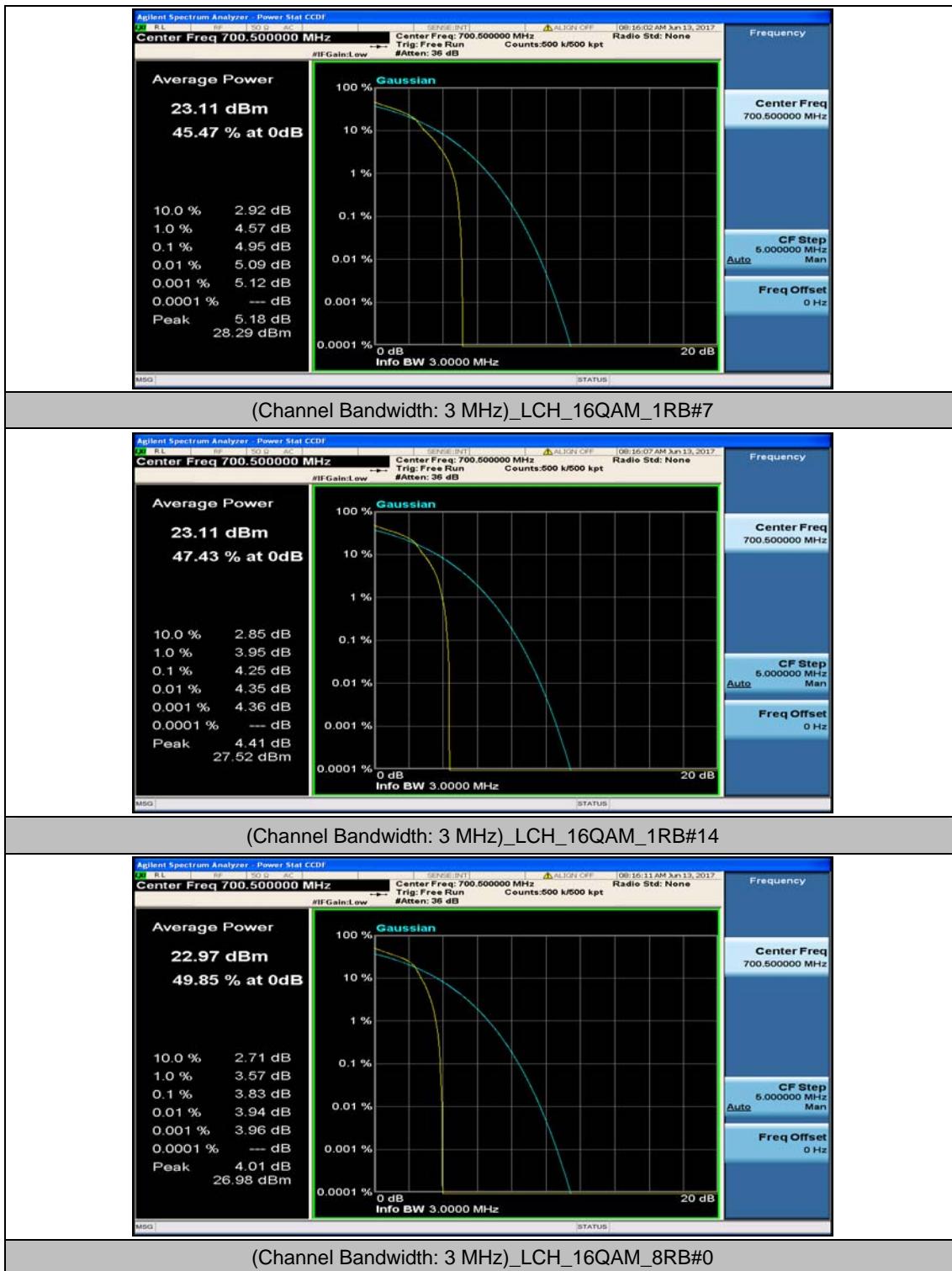


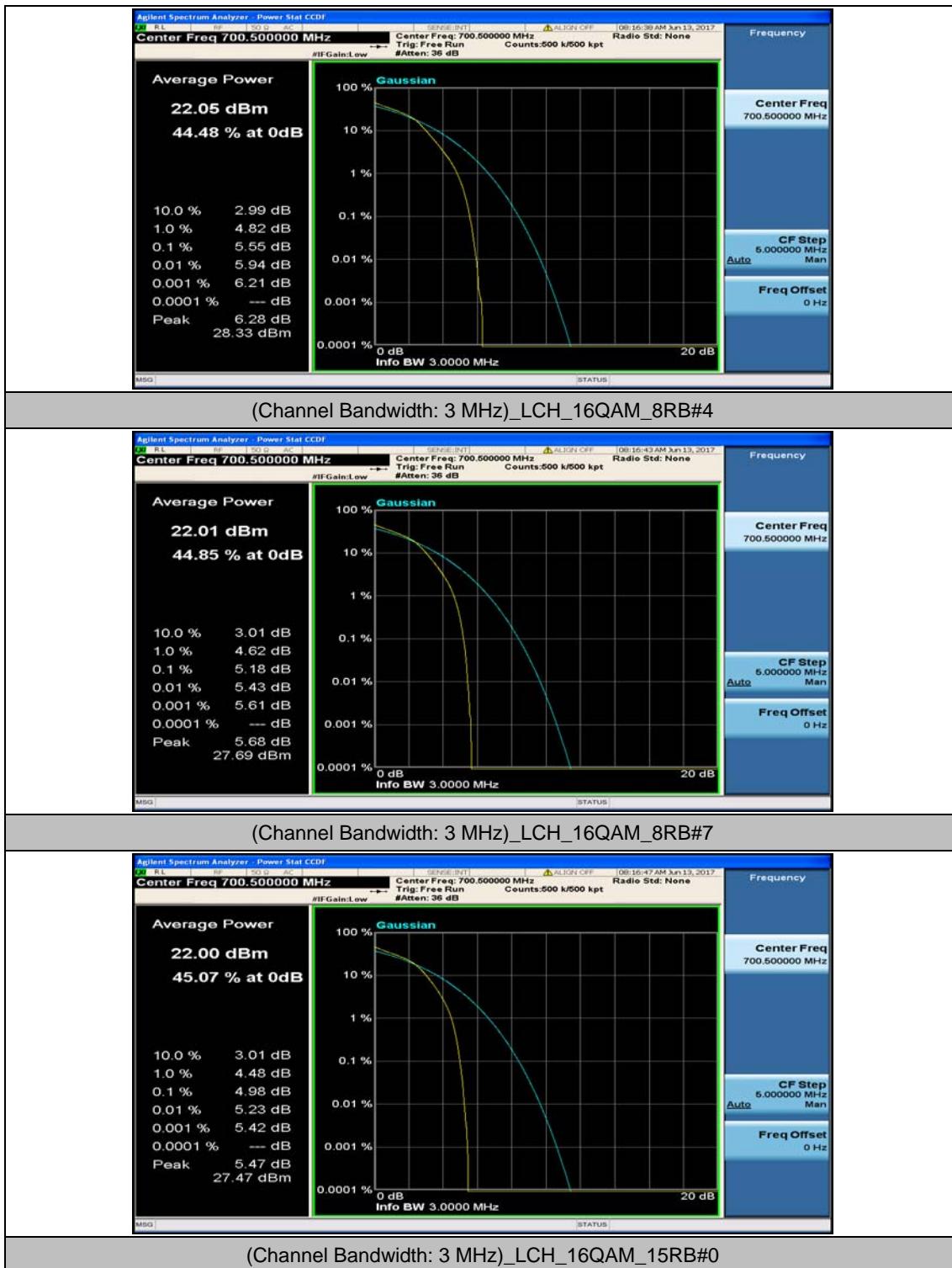


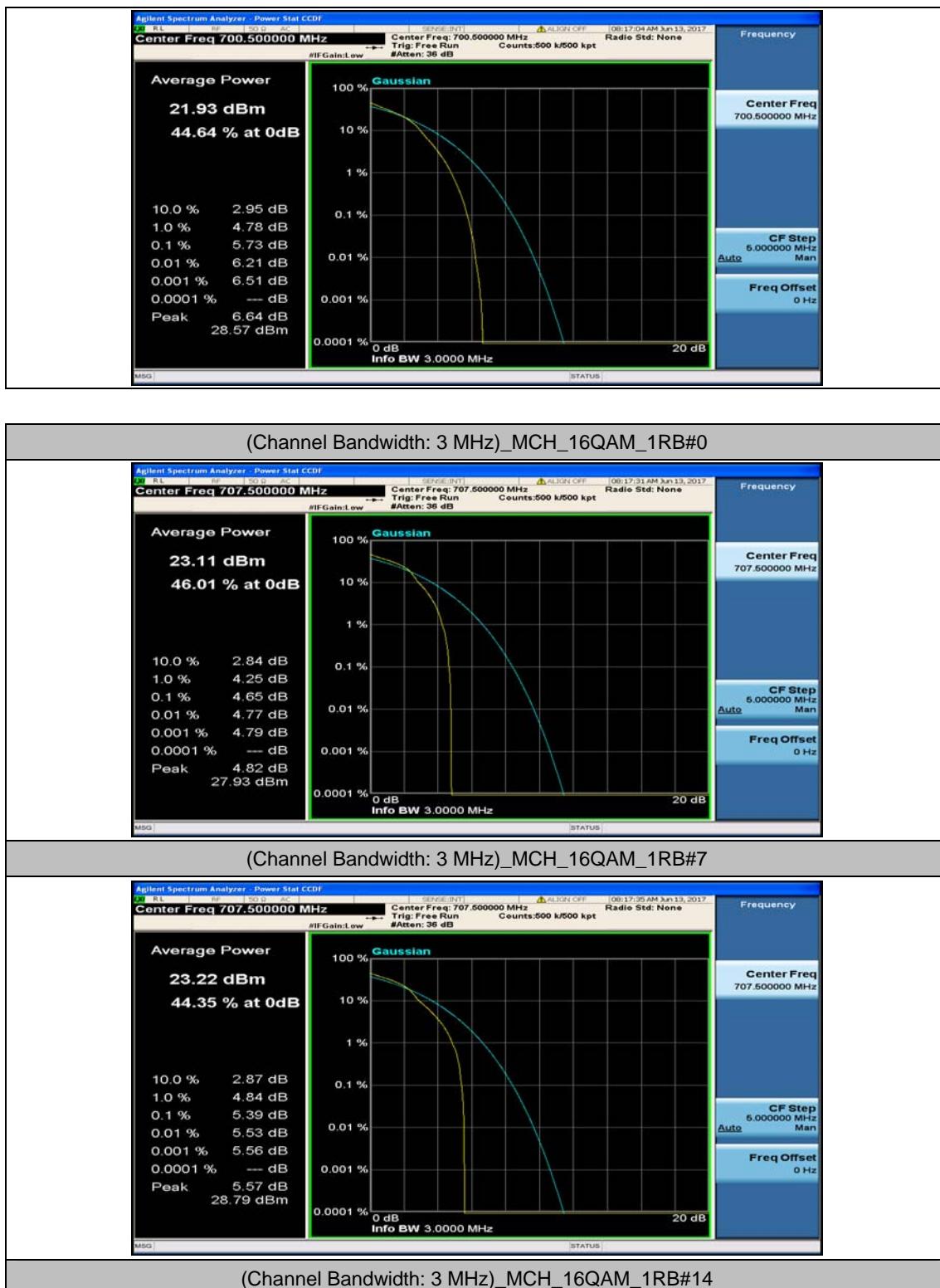


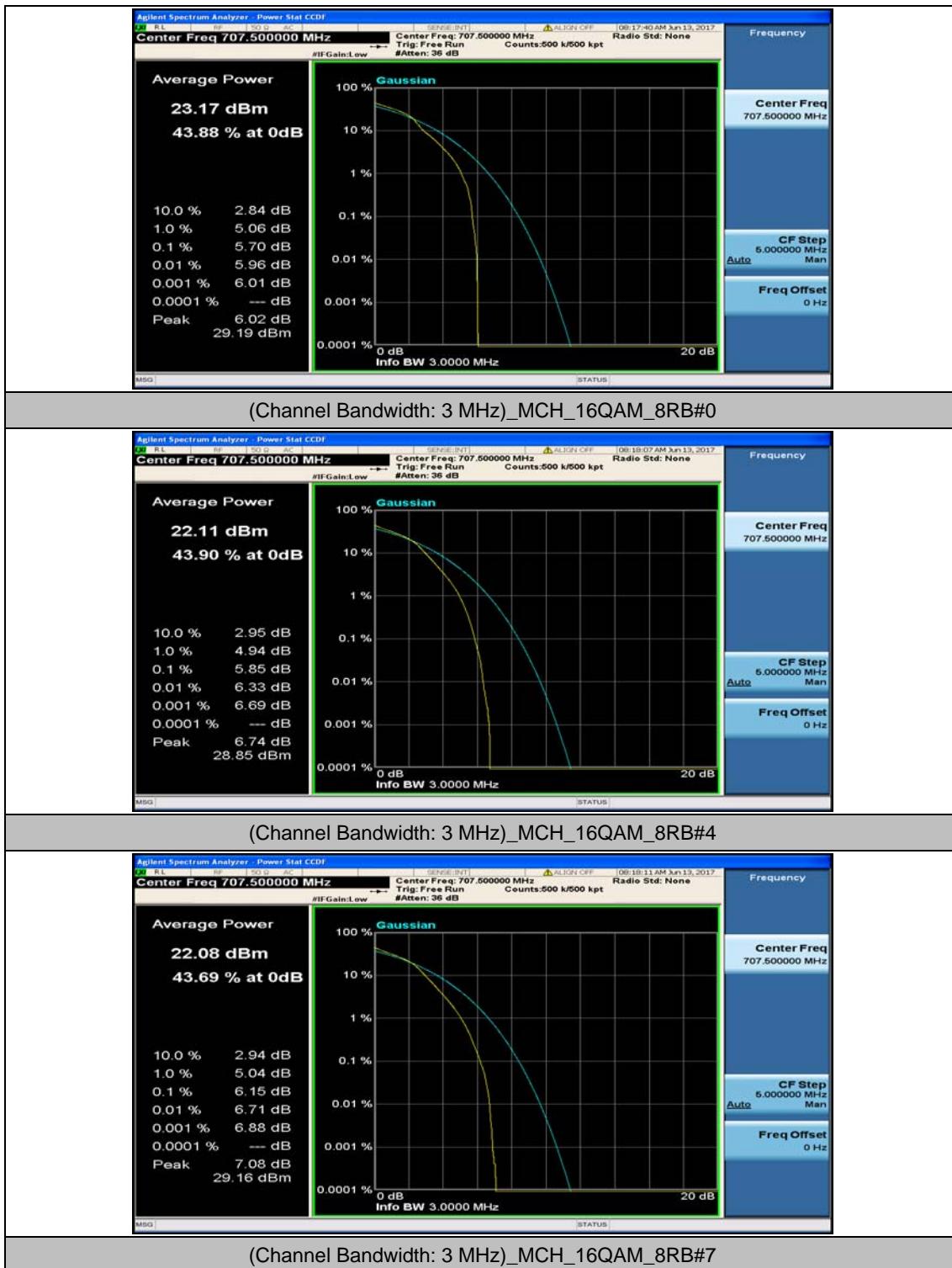


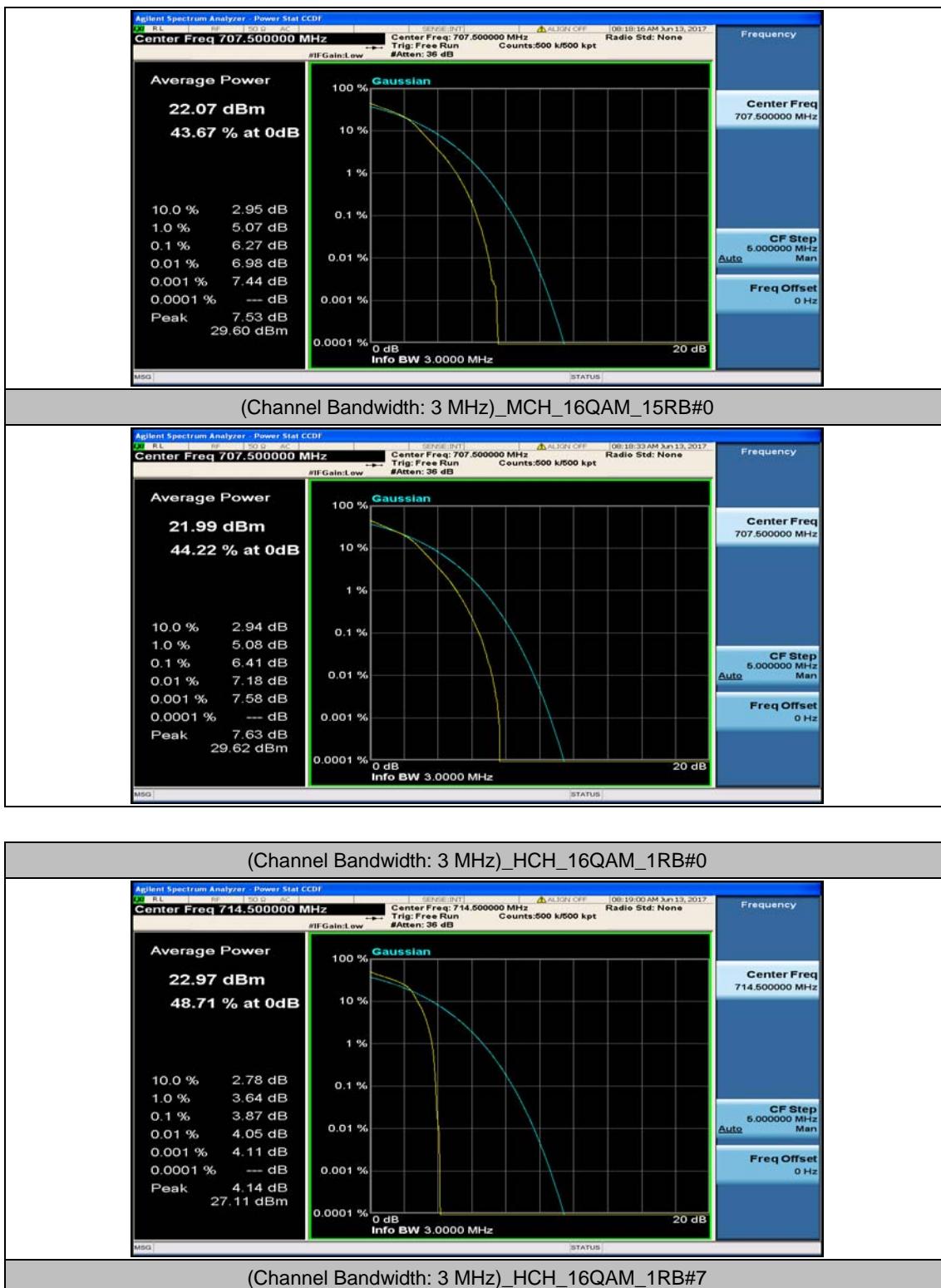


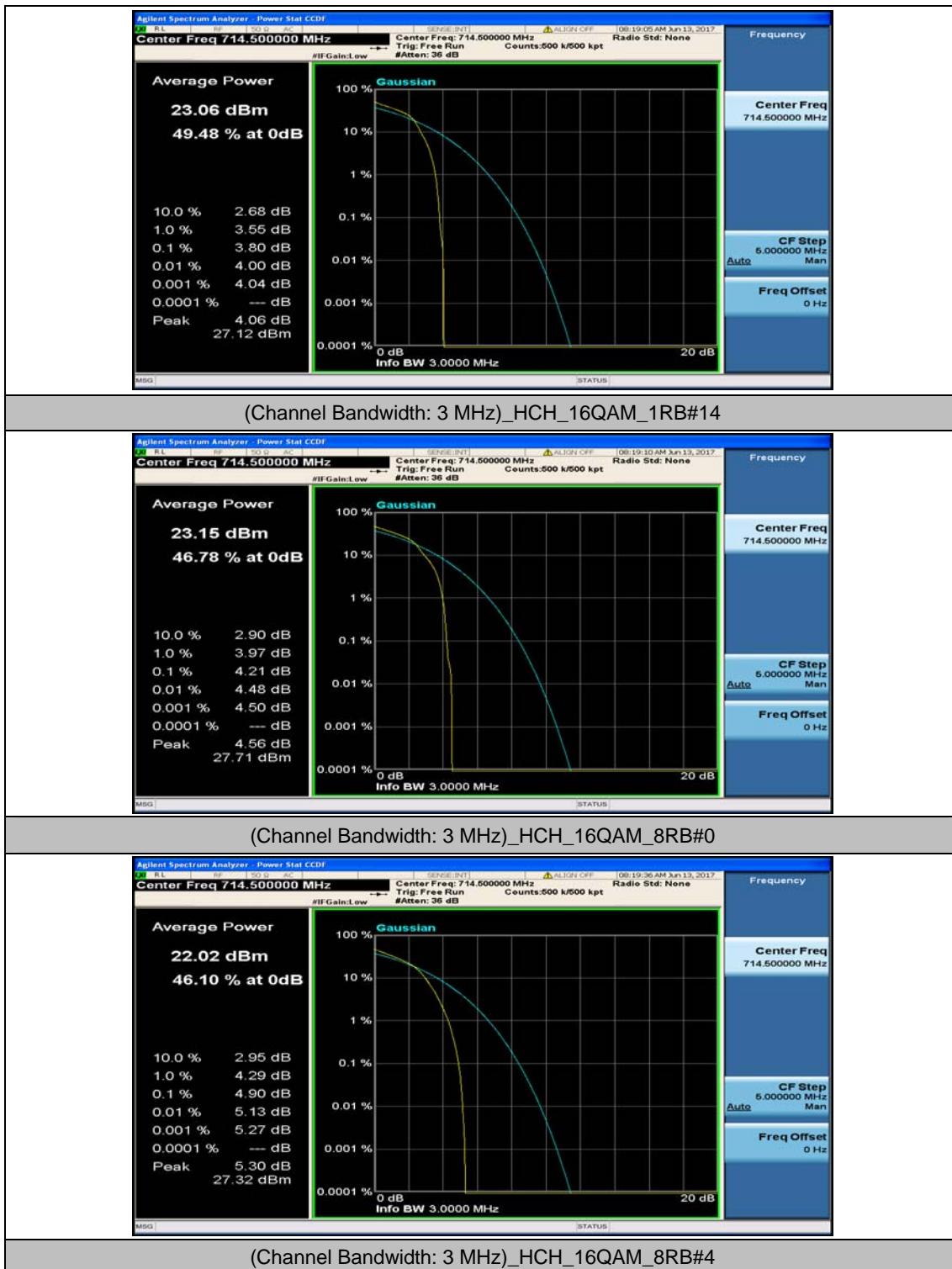


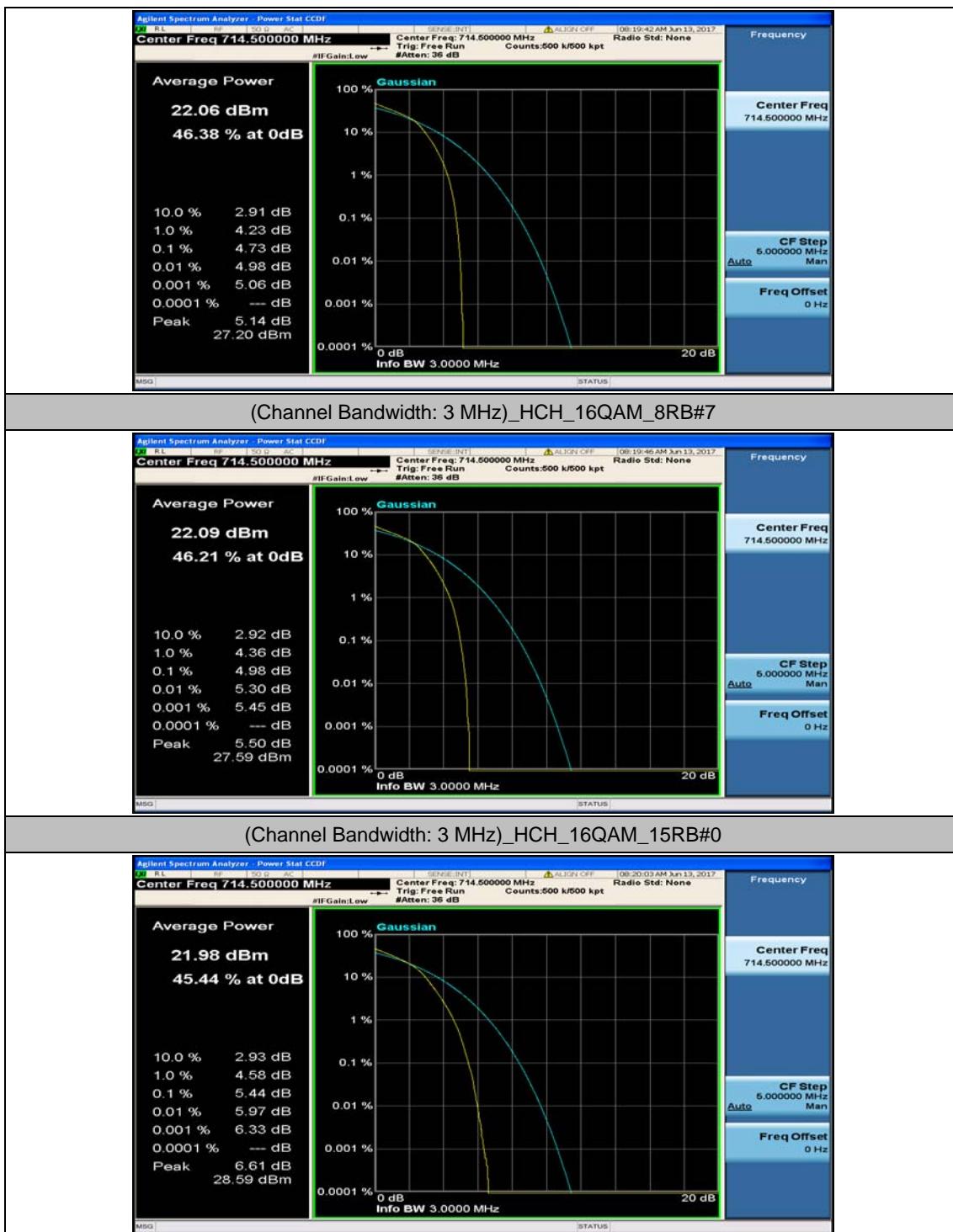




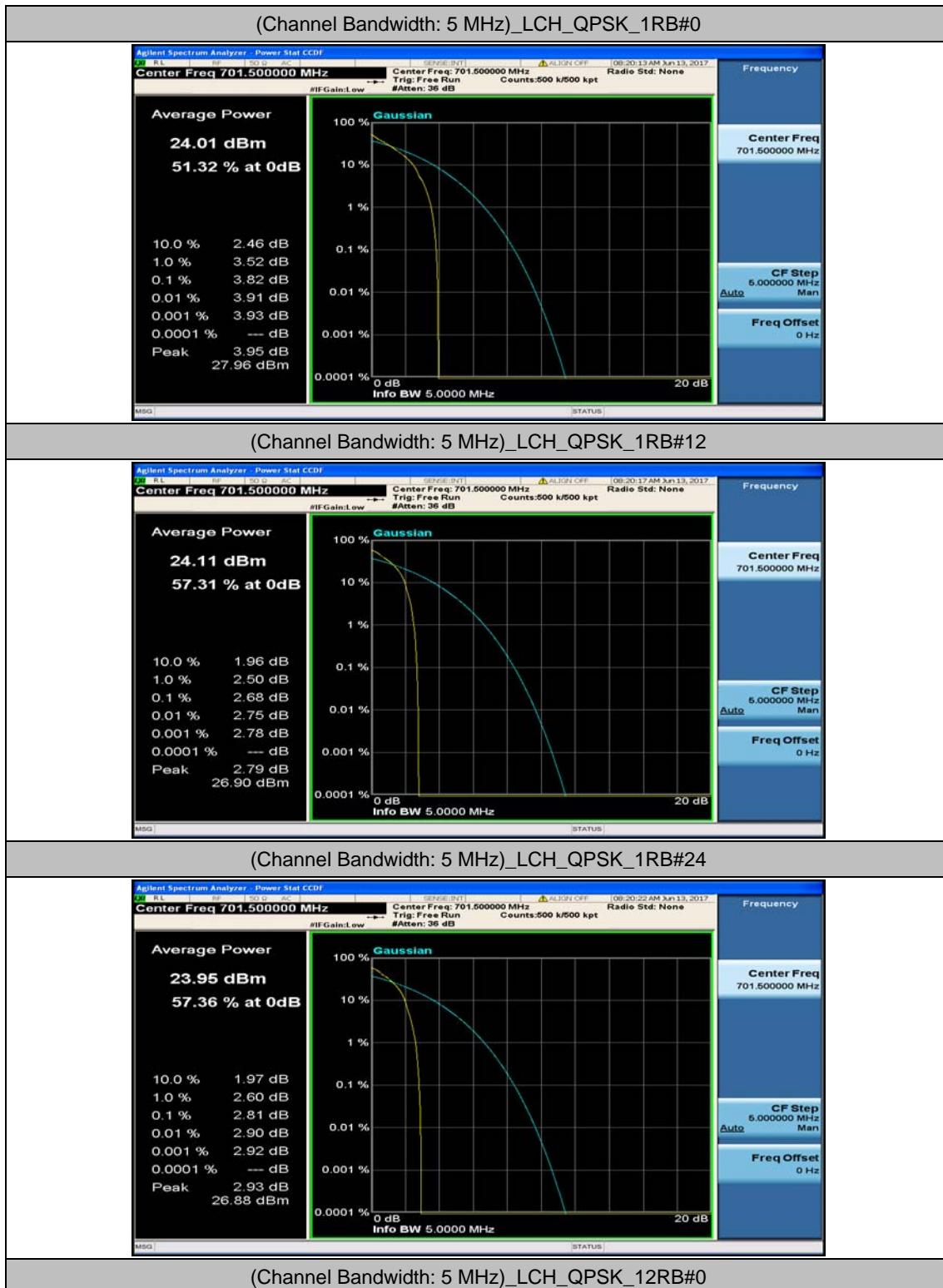


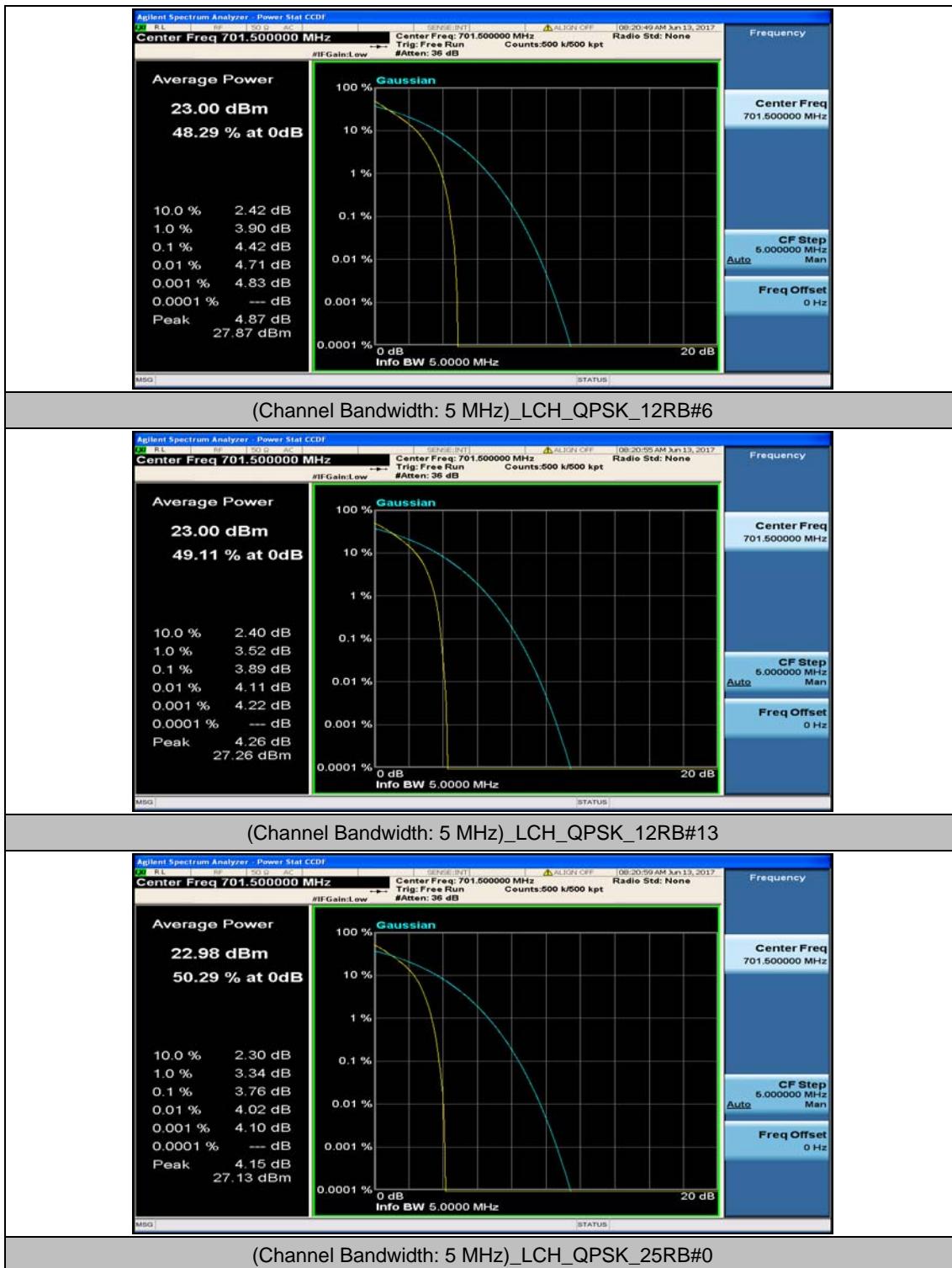


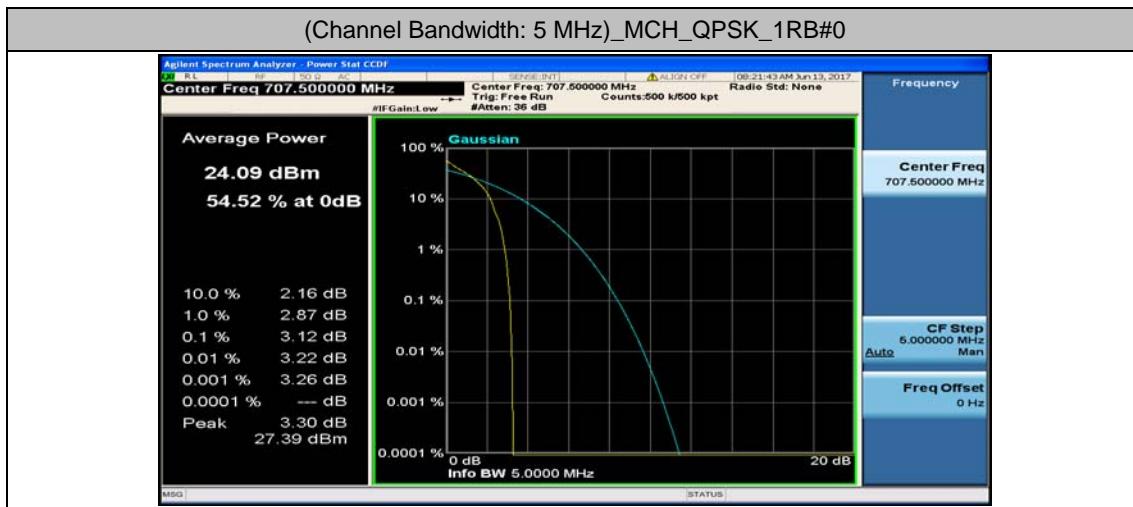
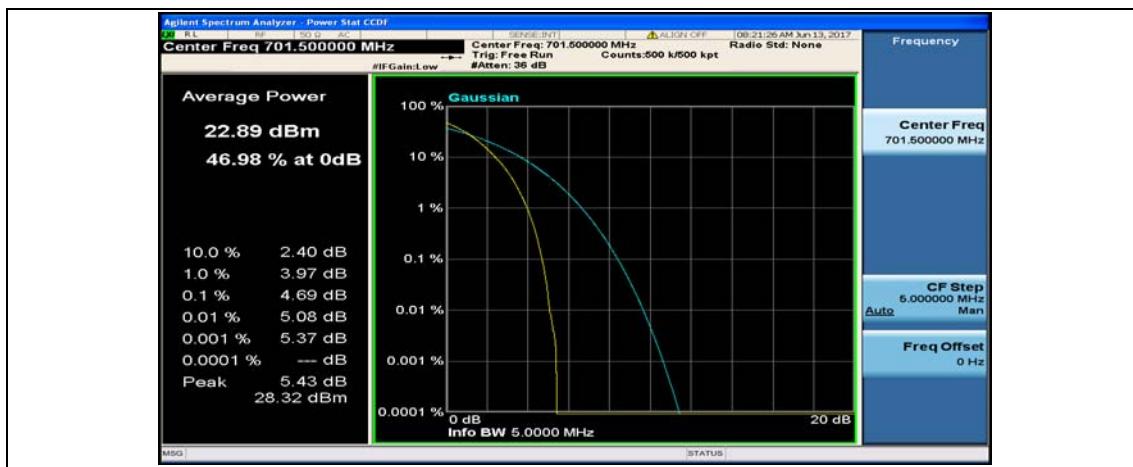




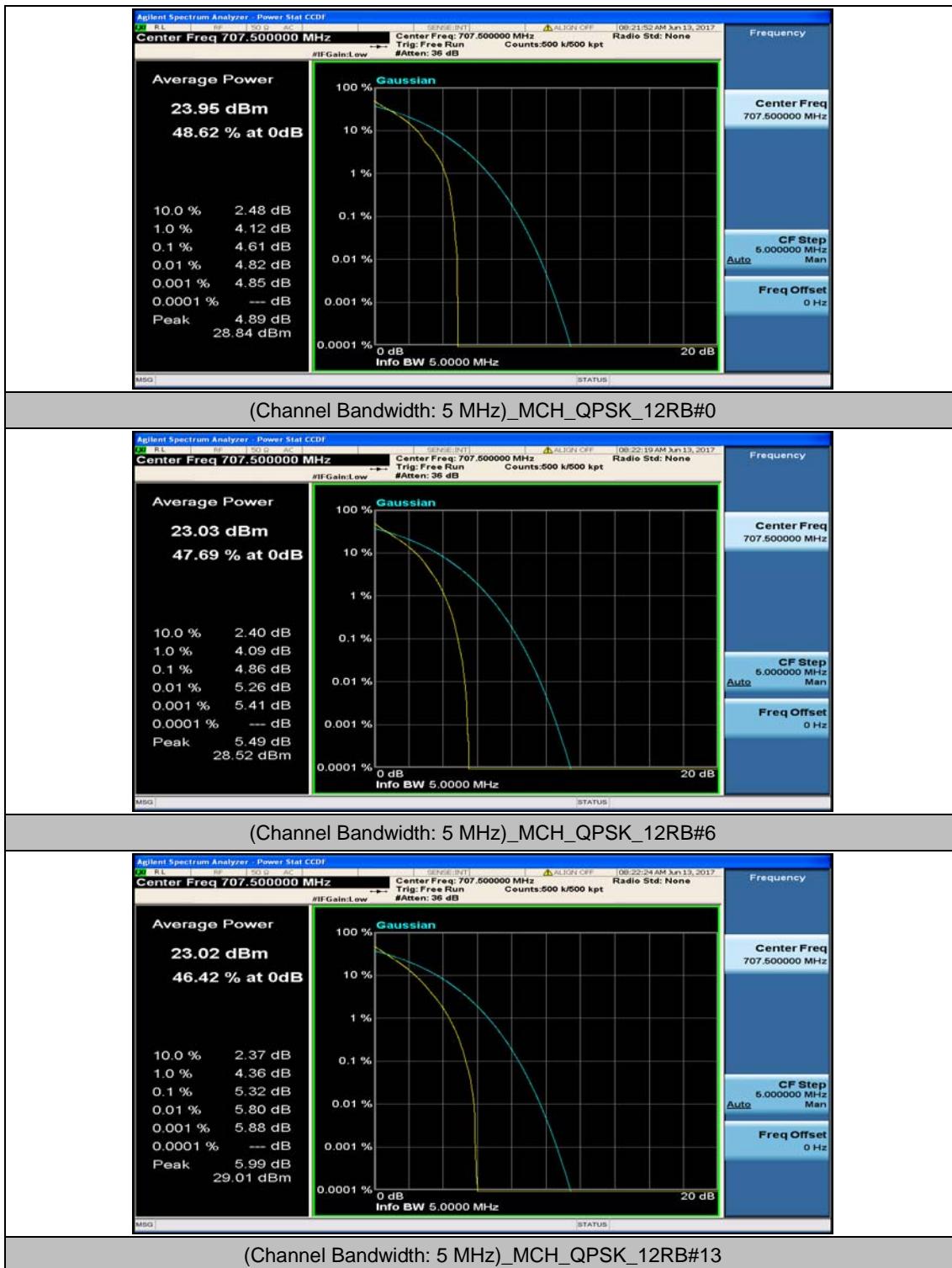
## Channel Bandwidth: 5 MHz

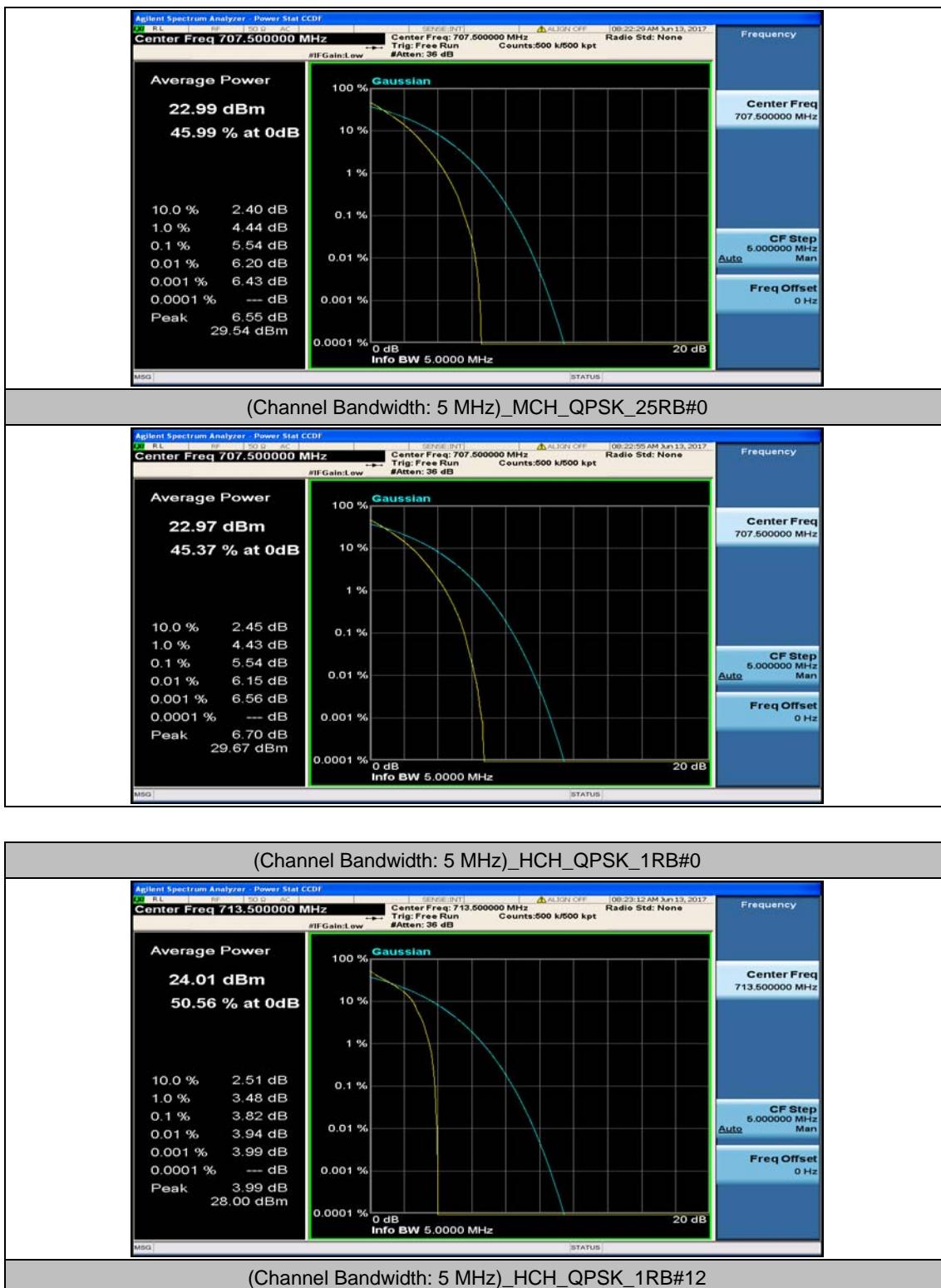


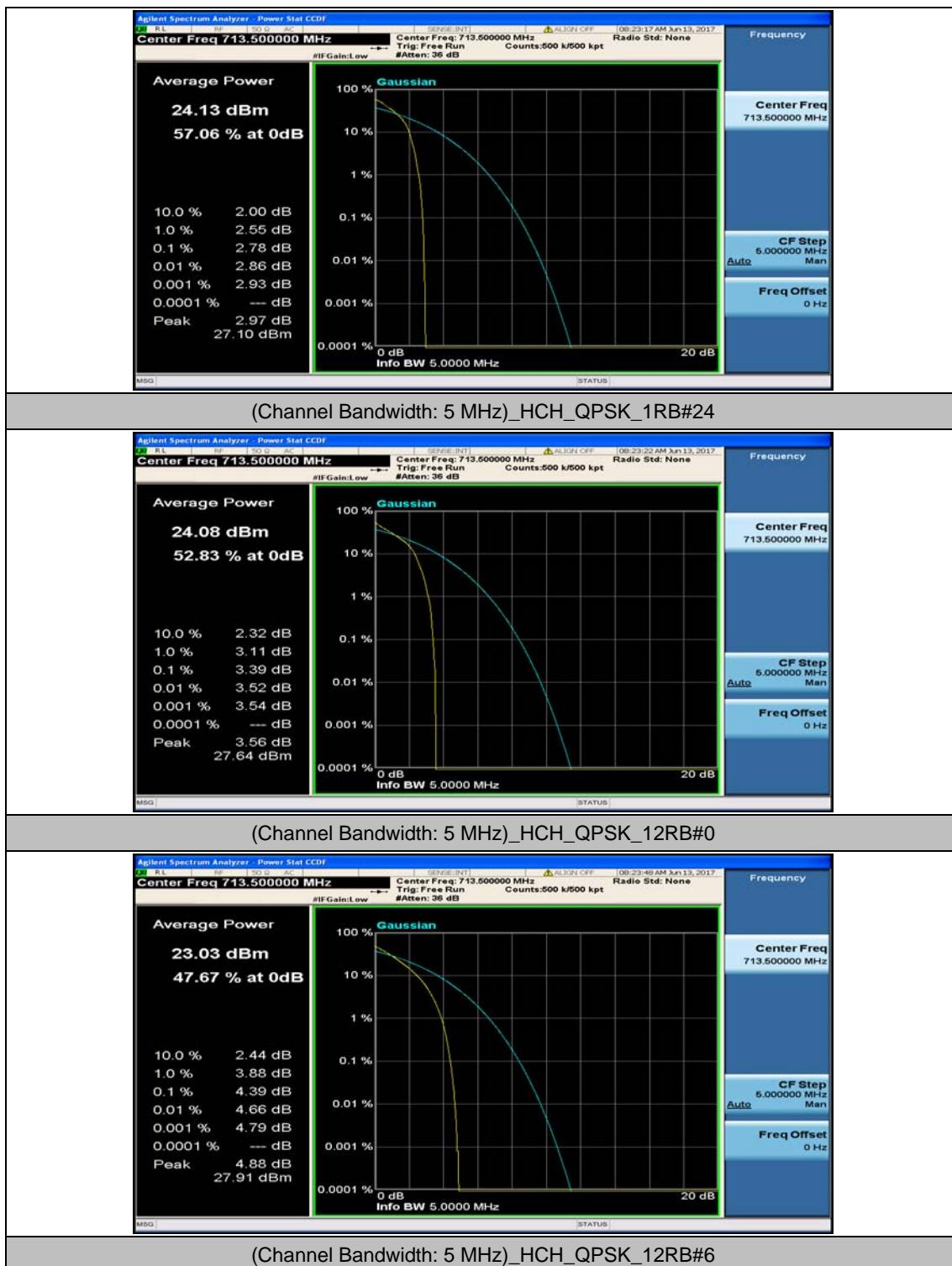


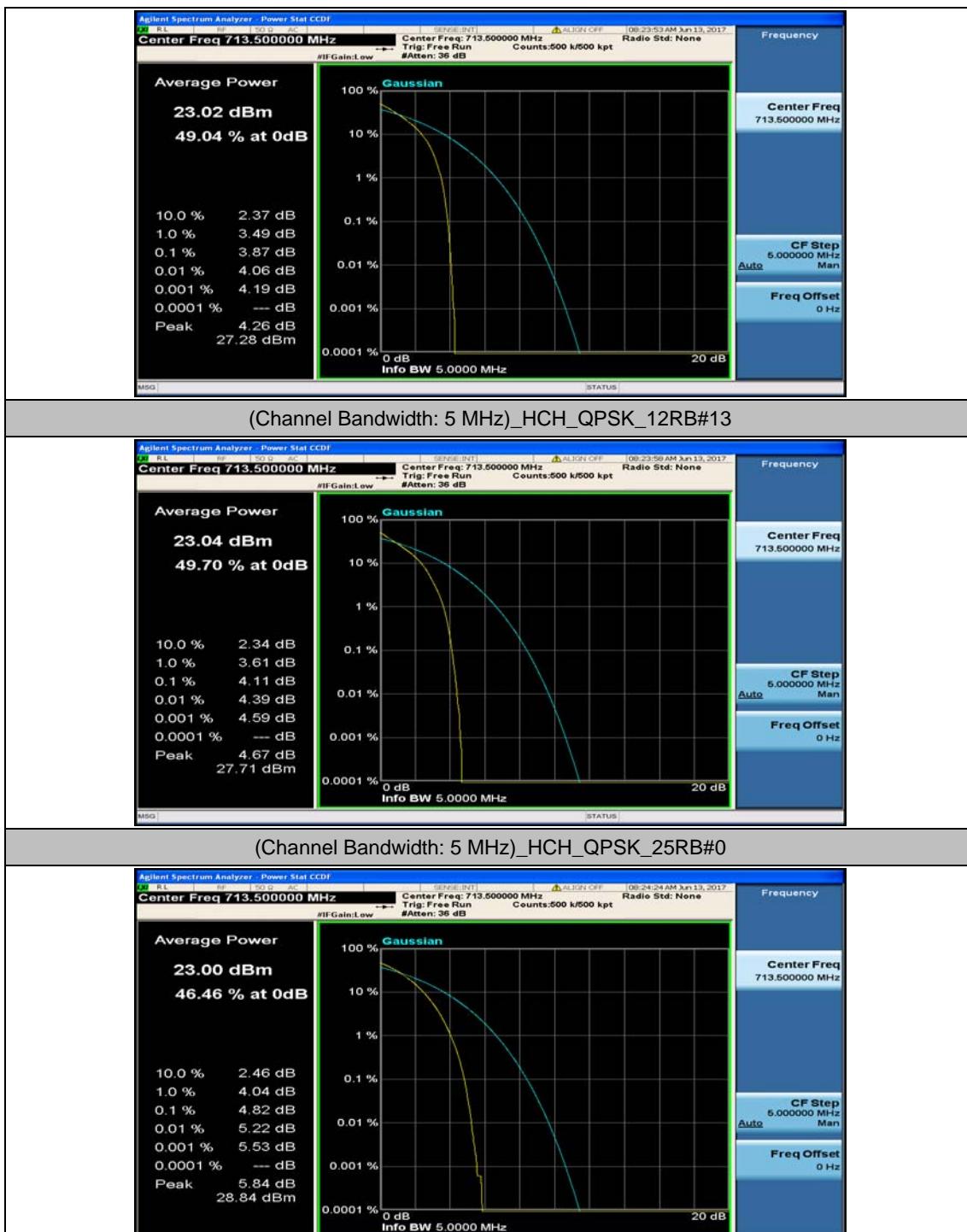


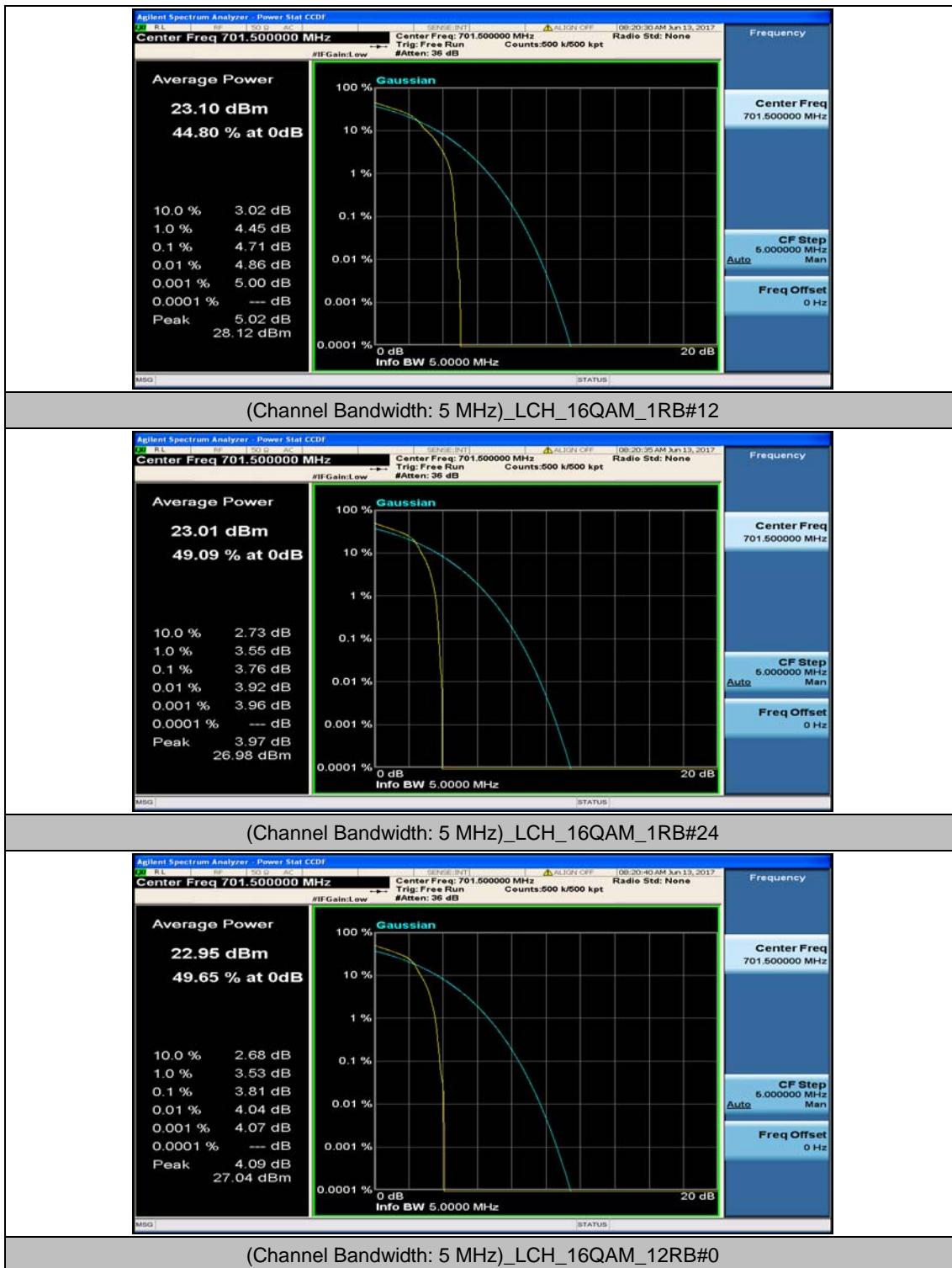
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24

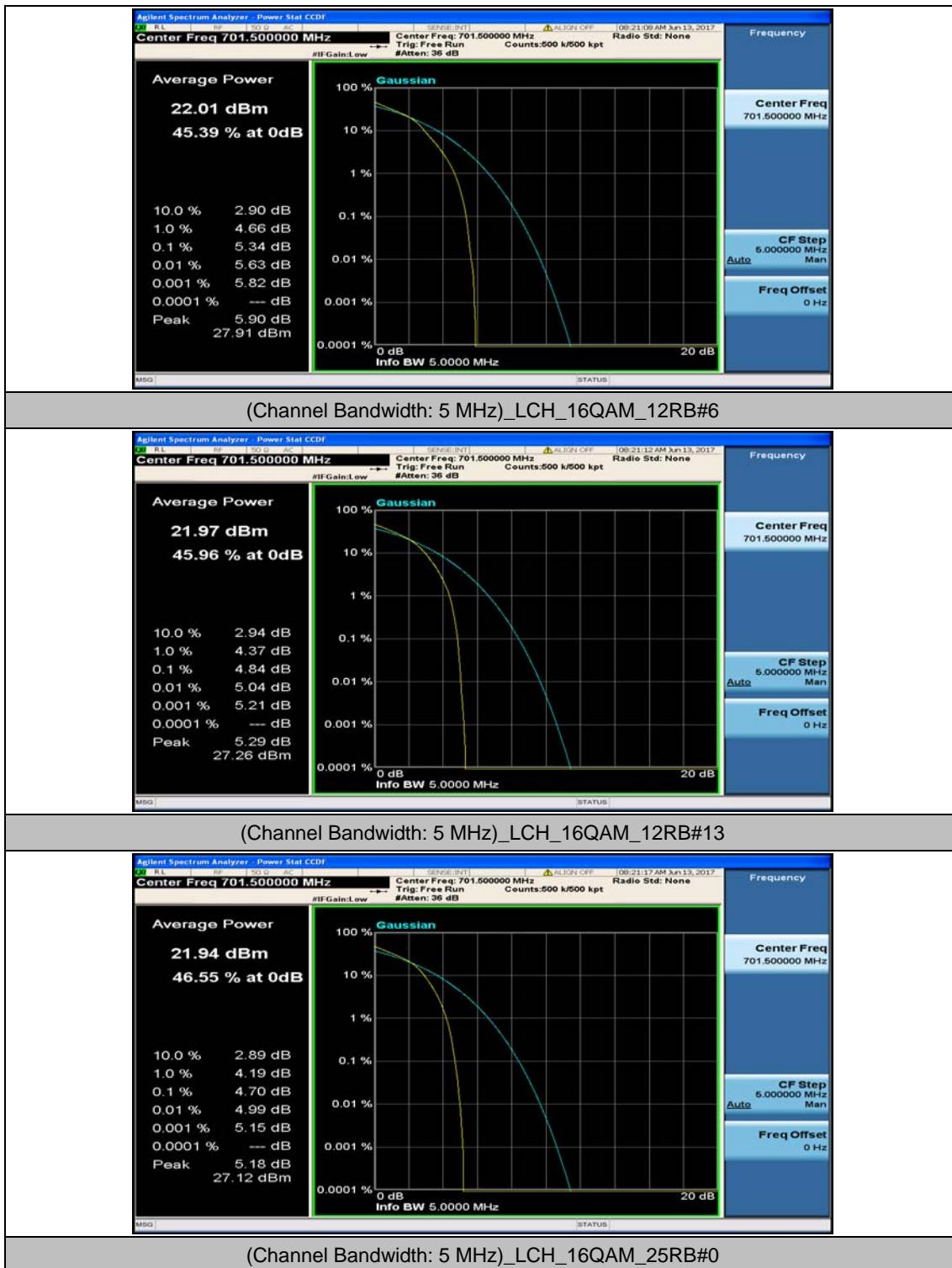


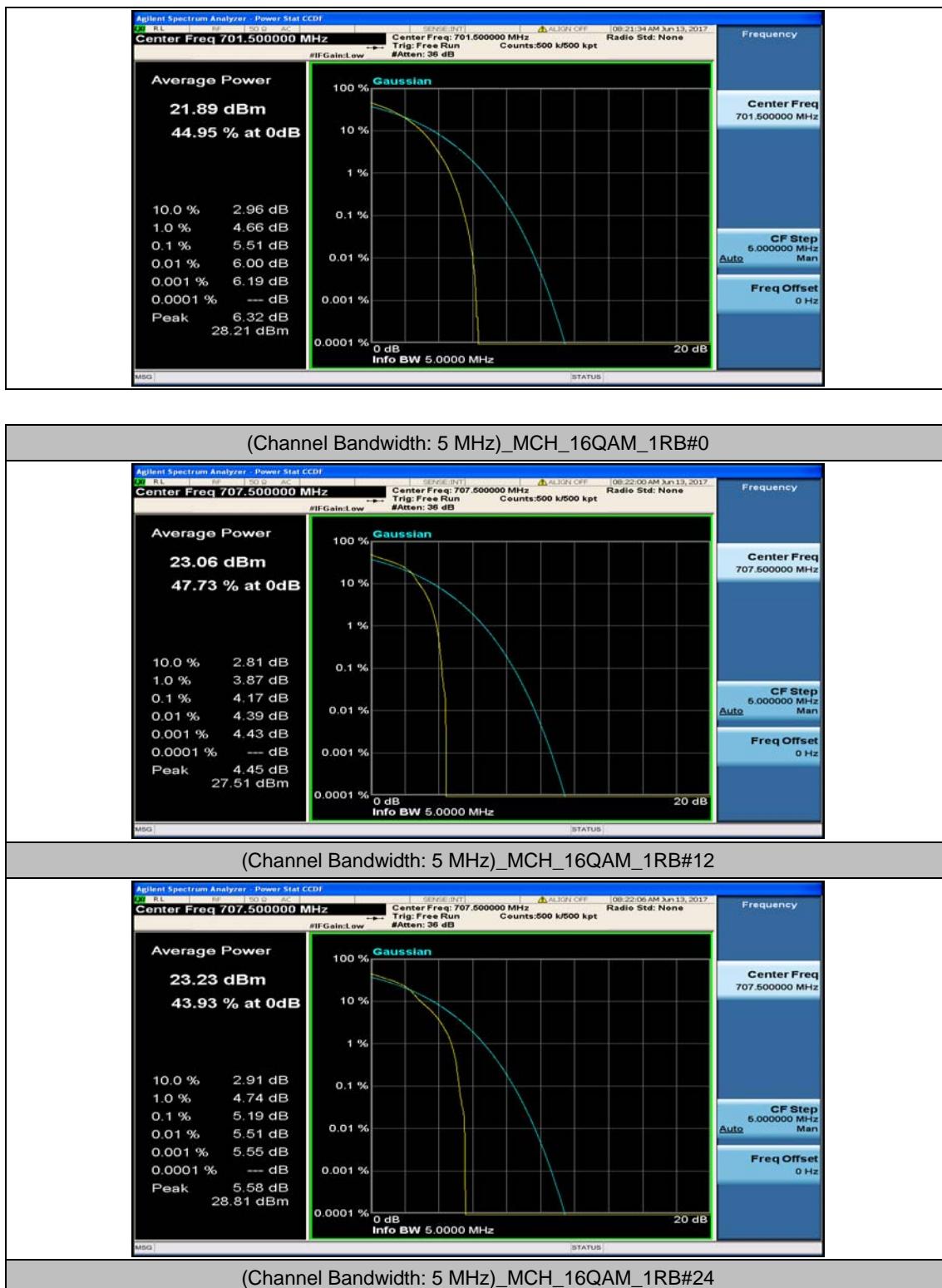


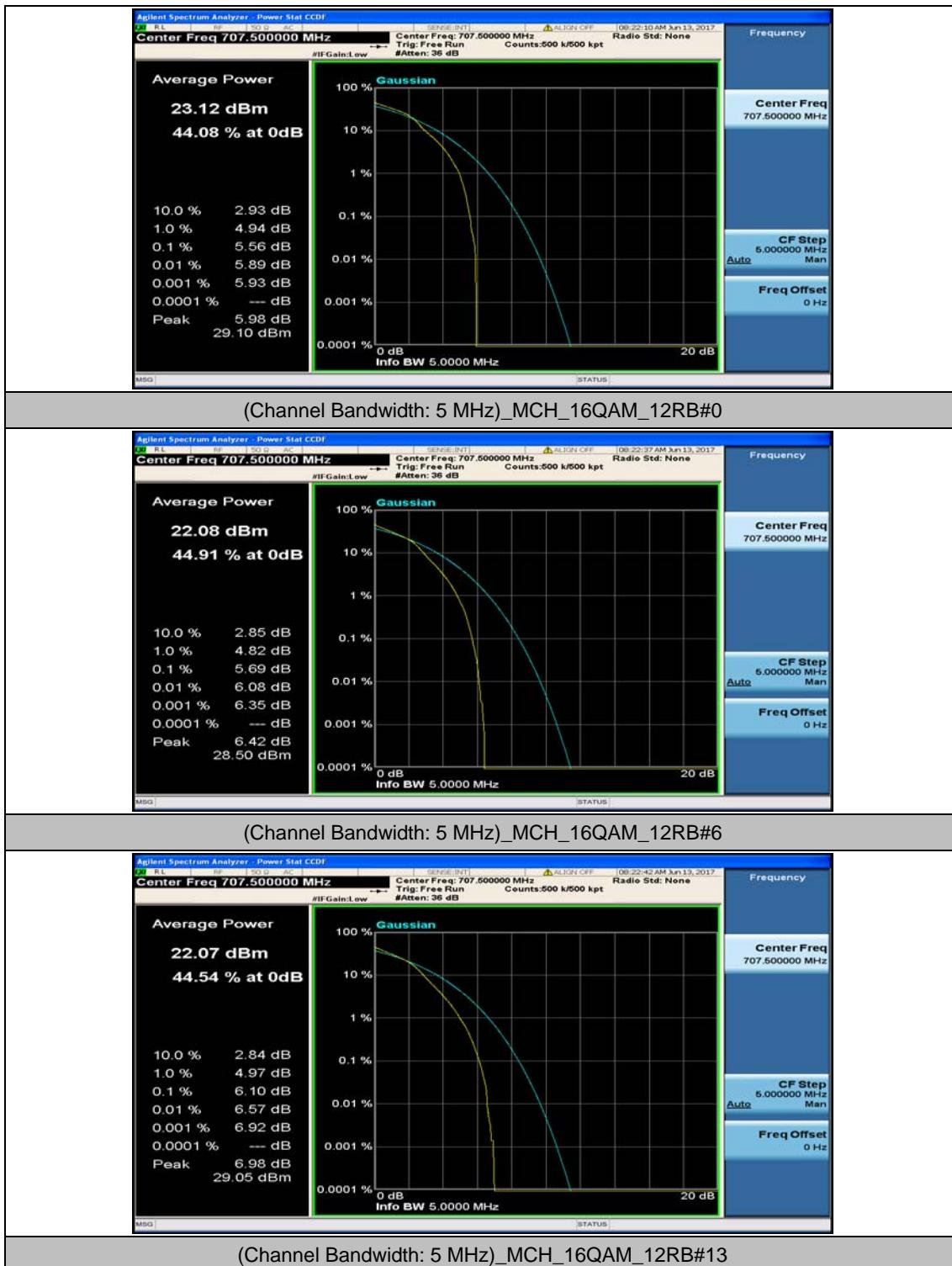


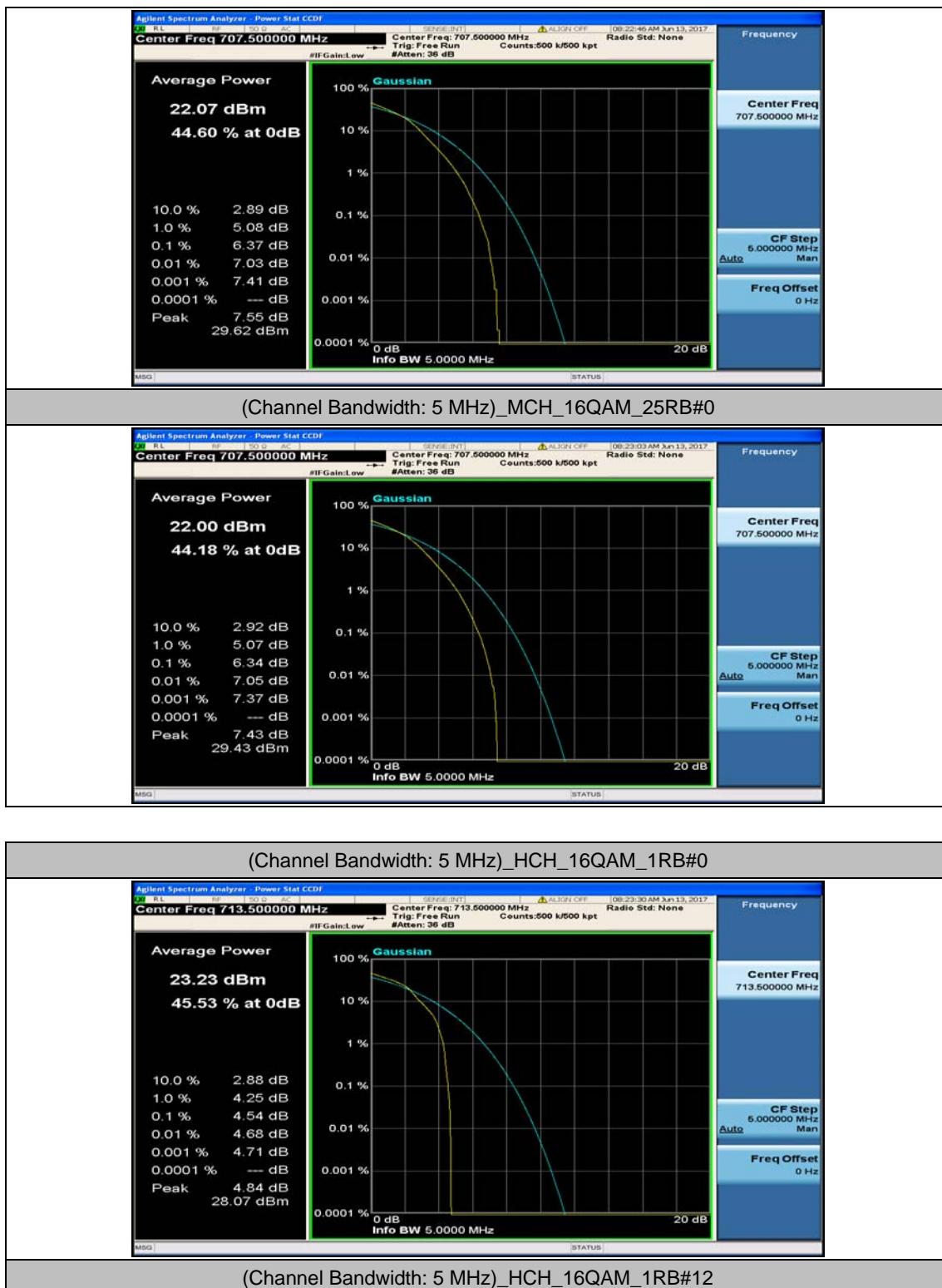


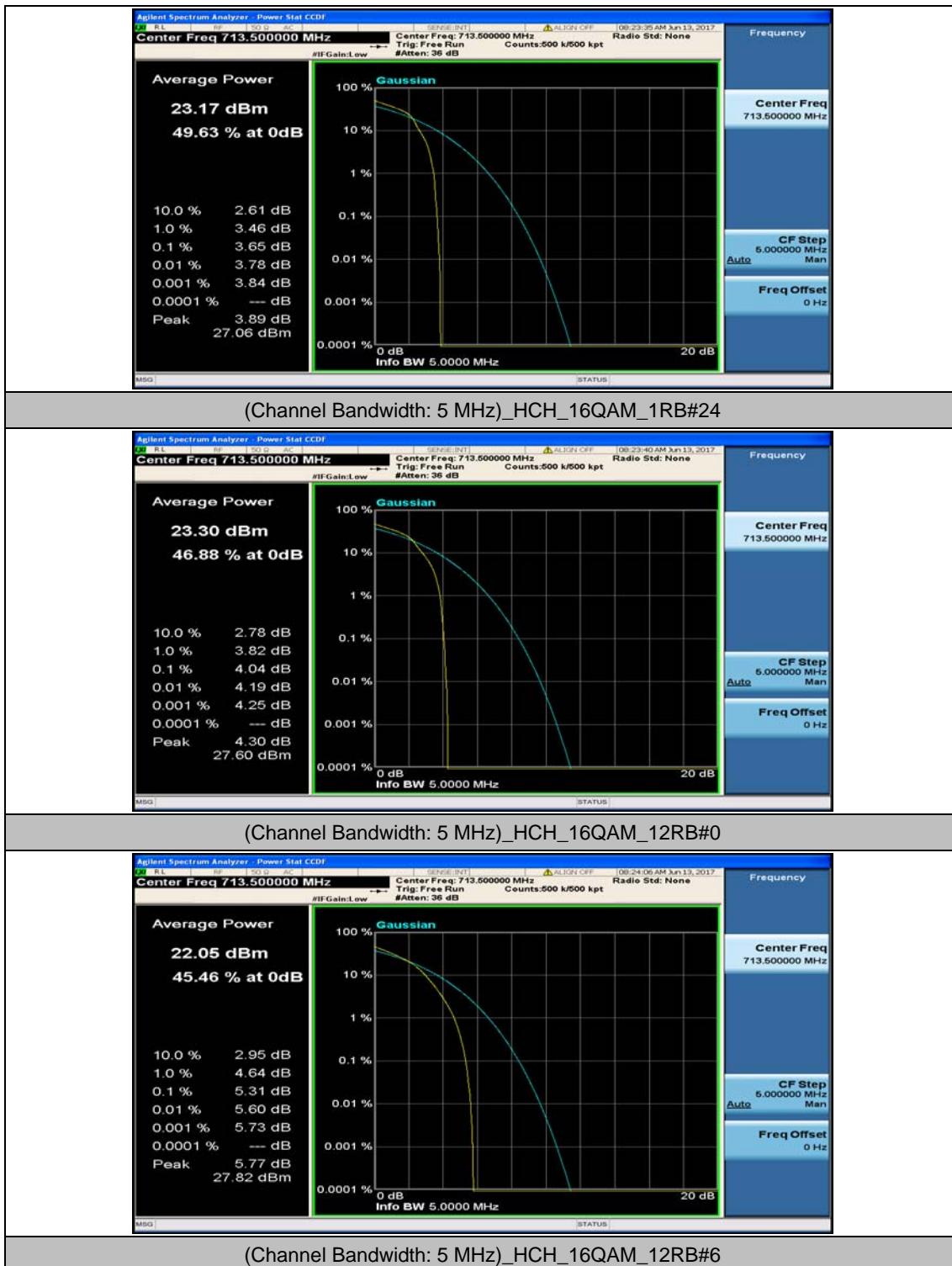


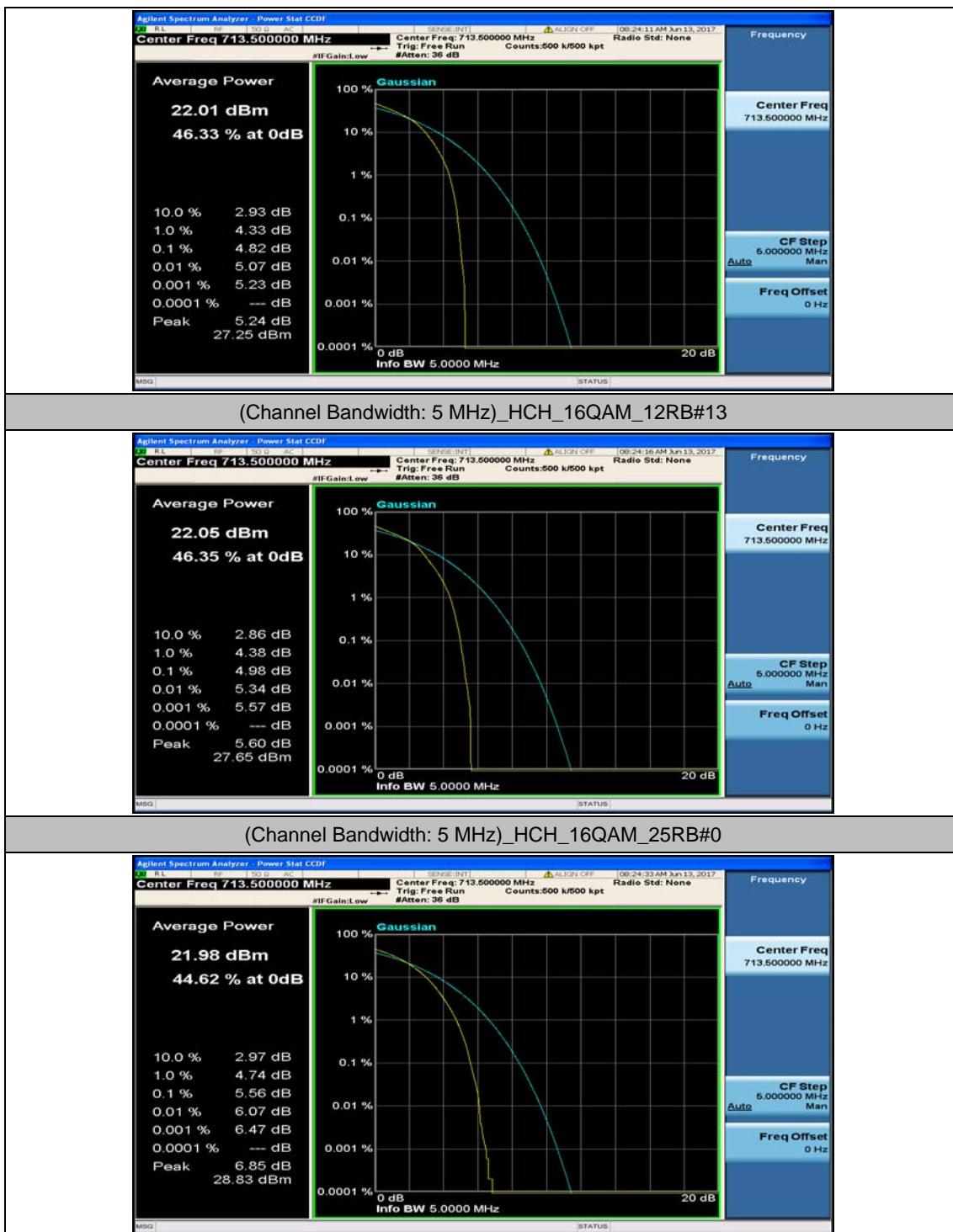












## Channel Bandwidth: 10 MHz

