

## 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	24.23	PASS
		1	3	24.18	PASS
		1	5	24.16	PASS
		3	0	23.23	PASS
		3	2	23.17	PASS
		3	3	23.16	PASS
		6	0	23.11	PASS
	MCH	1	0	23.85	PASS
		1	3	23.84	PASS
		1	5	23.85	PASS
		3	0	23.16	PASS
		3	2	23.27	PASS
		3	3	23.11	PASS
		6	0	22.84	PASS
16QAM	HCH	1	0	23.03	PASS
		1	3	23.06	PASS
		1	5	23.45	PASS
		3	0	22.96	PASS
		3	2	23.06	PASS
		3	3	23.19	PASS
		6	0	22.13	PASS
	LCH	1	0	23.28	PASS
		1	3	23.19	PASS
		1	5	23.00	PASS
		3	0	23.17	PASS
		3	2	23.27	PASS
		3	3	23.26	PASS
		6	0	22.24	PASS
	MCH	1	0	23.23	PASS
		1	3	23.24	PASS
		1	5	23.19	PASS
		3	0	22.84	PASS
		3	2	22.80	PASS

		3	3	22.83	PASS
		6	0	21.81	PASS
HCH	1	0	22.38	PASS	
	1	3	22.51	PASS	
	1	5	22.73	PASS	
	3	0	22.17	PASS	
	3	2	22.22	PASS	
	3	3	22.36	PASS	
	6	0	21.47	PASS	

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.14	PASS
		1	7	24.12	PASS
		1	14	24.00	PASS
		8	0	23.24	PASS
		8	4	23.19	PASS
		8	7	23.17	PASS
		15	0	23.07	PASS
	MCH	1	0	23.83	PASS
		1	7	23.87	PASS
		1	14	23.80	PASS
		8	0	22.87	PASS
		8	4	22.88	PASS
		8	7	22.89	PASS
		15	0	22.85	PASS
	HCH	1	0	23.39	PASS
		1	7	22.53	PASS
		1	14	23.14	PASS
		8	0	22.09	PASS
		8	4	21.73	PASS
		8	7	21.80	PASS
		15	0	21.85	PASS
16QAM	LCH	1	0	23.23	PASS
		1	7	23.11	PASS
		1	14	23.27	PASS
		8	0	22.28	PASS
		8	4	22.25	PASS
		8	7	22.20	PASS
		15	0	22.15	PASS
	MCH	1	0	23.13	PASS

		1	7	23.16	PASS
		1	14	23.07	PASS
		8	0	21.92	PASS
		8	4	21.94	PASS
		8	7	21.92	PASS
		15	0	21.84	PASS
HCH		1	0	22.90	PASS
		1	7	22.10	PASS
		1	14	22.65	PASS
		8	0	21.26	PASS
		8	4	20.97	PASS
		8	7	21.05	PASS
		15	0	21.11	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.13	PASS
		1	12	24.12	PASS
		1	24	23.95	PASS
		12	0	23.23	PASS
		12	6	23.16	PASS
		12	13	23.10	PASS
		25	0	23.02	PASS
	MCH	1	0	23.93	PASS
		1	12	23.90	PASS
		1	24	23.88	PASS
		12	0	22.94	PASS
		12	6	22.93	PASS
		12	13	22.94	PASS
		25	0	22.88	PASS
	HCH	1	0	23.98	PASS
		1	12	23.36	PASS
		1	24	23.70	PASS
		12	0	22.71	PASS
		12	6	21.72	PASS
		12	13	21.78	PASS
		25	0	22.11	PASS
16QAM	LCH	1	0	23.34	PASS
		1	12	23.16	PASS
		1	24	23.34	PASS
		12	0	22.35	PASS

		12	6	22.27	PASS
		12	13	22.21	PASS
		25	0	22.15	PASS
MCH		1	0	23.33	PASS
		1	12	23.31	PASS
		1	24	23.21	PASS
		12	0	22.08	PASS
		12	6	22.07	PASS
		12	13	22.09	PASS
		25	0	21.90	PASS
		1	0	22.88	PASS
HCH		1	12	21.69	PASS
		1	24	21.90	PASS
		12	0	21.84	PASS
		12	6	20.99	PASS
		12	13	20.84	PASS
		25	0	21.32	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.26	PASS
		1	24	23.92	PASS
		1	49	23.90	PASS
		25	0	23.39	PASS
		25	12	22.97	PASS
		25	25	22.92	PASS
		50	0	23.04	PASS
	MCH	1	0	24.07	PASS
		1	24	23.87	PASS
		1	49	23.42	PASS
		25	0	22.90	PASS
		25	12	22.92	PASS
		25	25	22.91	PASS
		50	0	22.90	PASS
	HCH	1	0	23.90	PASS
		1	24	24.03	PASS
		1	49	22.09	PASS
		25	0	22.91	PASS
		25	12	22.87	PASS
		25	25	21.90	PASS
		50	0	22.83	PASS

16QAM	LCH	1	0	23.27	PASS
		1	24	23.20	PASS
		1	49	23.18	PASS
		25	0	22.12	PASS
		25	12	22.01	PASS
		25	25	21.94	PASS
		50	0	22.02	PASS
	MCH	1	0	23.26	PASS
		1	24	23.19	PASS
		1	49	22.92	PASS
		25	0	21.94	PASS
		25	12	21.90	PASS
		25	25	21.87	PASS
		50	0	21.89	PASS
	HCH	1	0	23.35	PASS
		1	24	23.19	PASS
		1	49	21.66	PASS
		25	0	21.91	PASS
		25	12	21.85	PASS
		25	25	21.19	PASS
		50	0	21.86	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	4.96	<13	PASS
		1	3	4.74	<13	PASS
		1	5	4.66	<13	PASS
		3	0	4.47	<13	PASS
		3	2	4.45	<13	PASS
		3	3	4.45	<13	PASS
		6	0	5.3	<13	PASS
	MCH	1	0	5.1	<13	PASS
		1	3	5.15	<13	PASS
		1	5	5.05	<13	PASS
		3	0	4.9	<13	PASS
		3	2	5.03	<13	PASS
		3	3	4.87	<13	PASS
		6	0	5.69	<13	PASS
16QAM	LCH	1	0	5.61	<13	PASS
		1	3	5.67	<13	PASS
		1	5	5.29	<13	PASS
		3	0	5.41	<13	PASS
		3	2	5.47	<13	PASS
		3	3	5.32	<13	PASS
		6	0	5.9	<13	PASS
	MCH	1	0	5.89	<13	PASS
		1	3	5.52	<13	PASS
		1	5	5.68	<13	PASS
		3	0	5.46	<13	PASS
		3	2	5.49	<13	PASS
		3	3	5.45	<13	PASS
		6	0	6.15	<13	PASS

		3	3	5.93	<13	PASS
		6	0	6.37	<13	PASS
HCH		1	0	6.72	<13	PASS
		1	3	6.52	<13	PASS
		1	5	6.28	<13	PASS
		3	0	5.99	<13	PASS
		3	2	6.01	<13	PASS
		3	3	5.85	<13	PASS
		6	0	6.75	<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	4.91	<13	PASS
		1	7	4.67	<13	PASS
		1	14	4.58	<13	PASS
		8	0	5.27	<13	PASS
		8	4	5.07	<13	PASS
		8	7	5.09	<13	PASS
		15	0	5.26	<13	PASS
	MCH	1	0	5.44	<13	PASS
		1	7	5.39	<13	PASS
		1	14	4.94	<13	PASS
		8	0	5.81	<13	PASS
		8	4	5.81	<13	PASS
		8	7	5.72	<13	PASS
		15	0	5.73	<13	PASS
	HCH	1	0	4.39	<13	PASS
		1	7	5.34	<13	PASS
		1	14	5.17	<13	PASS
		8	0	5.45	<13	PASS
		8	4	5.76	<13	PASS
		8	7	5.92	<13	PASS
		15	0	5.85	<13	PASS
16QAM	LCH	1	0	5.85	<13	PASS
		1	7	5.44	<13	PASS
		1	14	5.56	<13	PASS
		8	0	5.93	<13	PASS
		8	4	5.82	<13	PASS
		8	7	5.86	<13	PASS

		15	0	6.22	<13	PASS
MCH	1	0	6.14	<13	PASS	
	1	7	6.27	<13	PASS	
	1	14	5.92	<13	PASS	
	8	0	6.34	<13	PASS	
	8	4	6.42	<13	PASS	
	8	7	6.13	<13	PASS	
	15	0	6.59	<13	PASS	
HCH	1	0	5.41	<13	PASS	
	1	7	6.23	<13	PASS	
	1	14	6.14	<13	PASS	
	8	0	6.14	<13	PASS	
	8	4	6.33	<13	PASS	
	8	7	6.47	<13	PASS	
	15	0	6.44	<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	4.56	<13	PASS
		1	12	4.47	<13	PASS
		1	24	4.89	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.12	<13	PASS
		12	13	5.34	<13	PASS
		25	0	5.41	<13	PASS
QPSK	MCH	1	0	5.2	<13	PASS
		1	12	5.16	<13	PASS
		1	24	4.24	<13	PASS
		12	0	5.88	<13	PASS
		12	6	5.76	<13	PASS
		12	13	5.42	<13	PASS
		25	0	5.74	<13	PASS
QPSK	HCH	1	0	3.6	<13	PASS
		1	12	5.11	<13	PASS
		1	24	5.59	<13	PASS
		12	0	4.8	<13	PASS
		12	6	5.29	<13	PASS
		12	13	5.82	<13	PASS
		25	0	5.5	<13	PASS

16QAM	LCH	1	0	5.44	<13	PASS
		1	12	5.28	<13	PASS
		1	24	5.82	<13	PASS
		12	0	5.92	<13	PASS
		12	6	5.81	<13	PASS
		12	13	6.09	<13	PASS
		25	0	6.11	<13	PASS
	MCH	1	0	6.19	<13	PASS
		1	12	6.11	<13	PASS
		1	24	5.21	<13	PASS
		12	0	6.49	<13	PASS
		12	6	6.58	<13	PASS
		12	13	6.22	<13	PASS
		25	0	6.49	<13	PASS
	HCH	1	0	4.37	<13	PASS
		1	12	5.54	<13	PASS
		1	24	6.35	<13	PASS
		12	0	5.51	<13	PASS
		12	6	6.22	<13	PASS
		12	13	6.67	<13	PASS
		25	0	6.12	<13	PASS

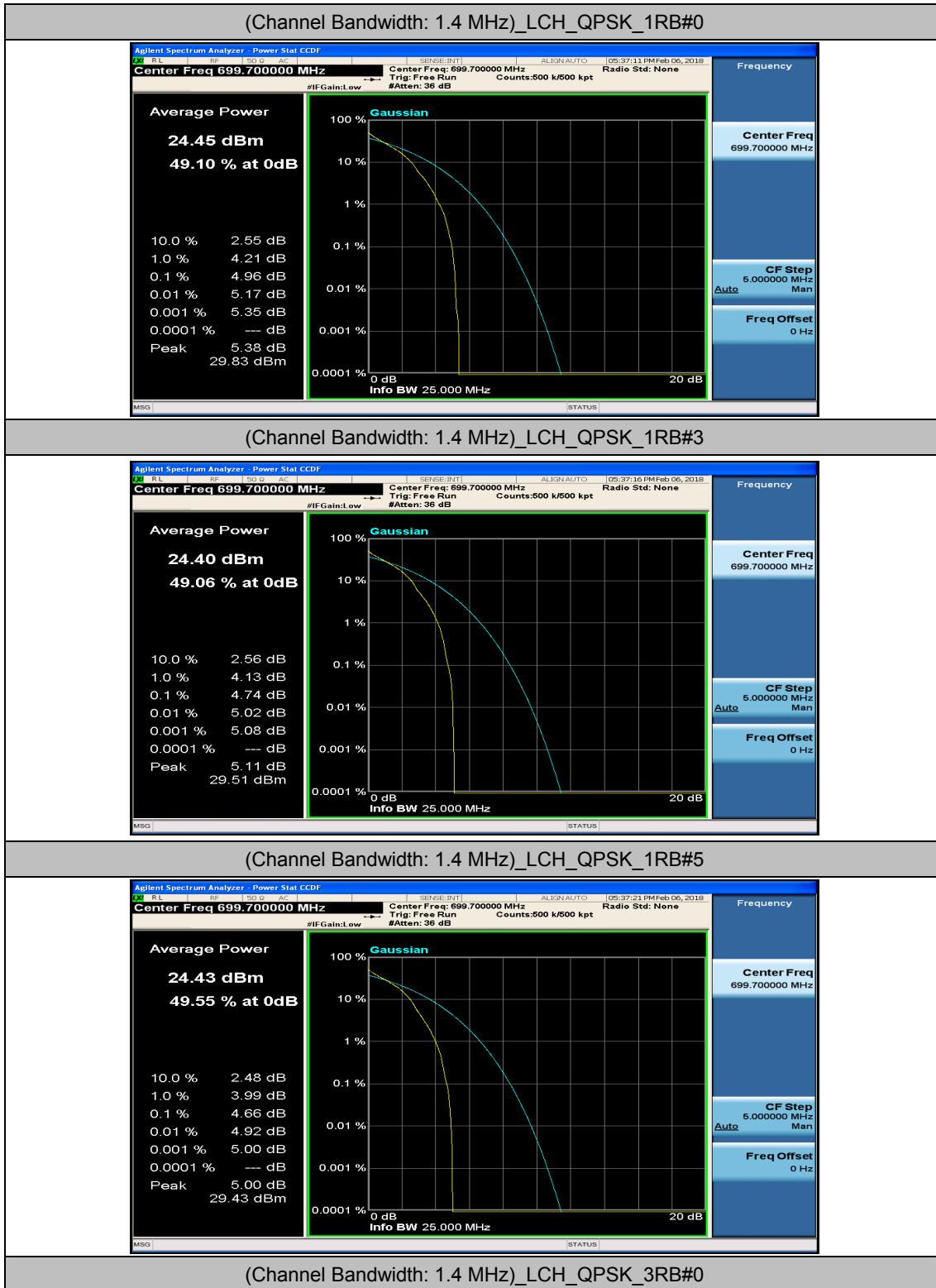
### Channel Bandwidth: 10 MHz

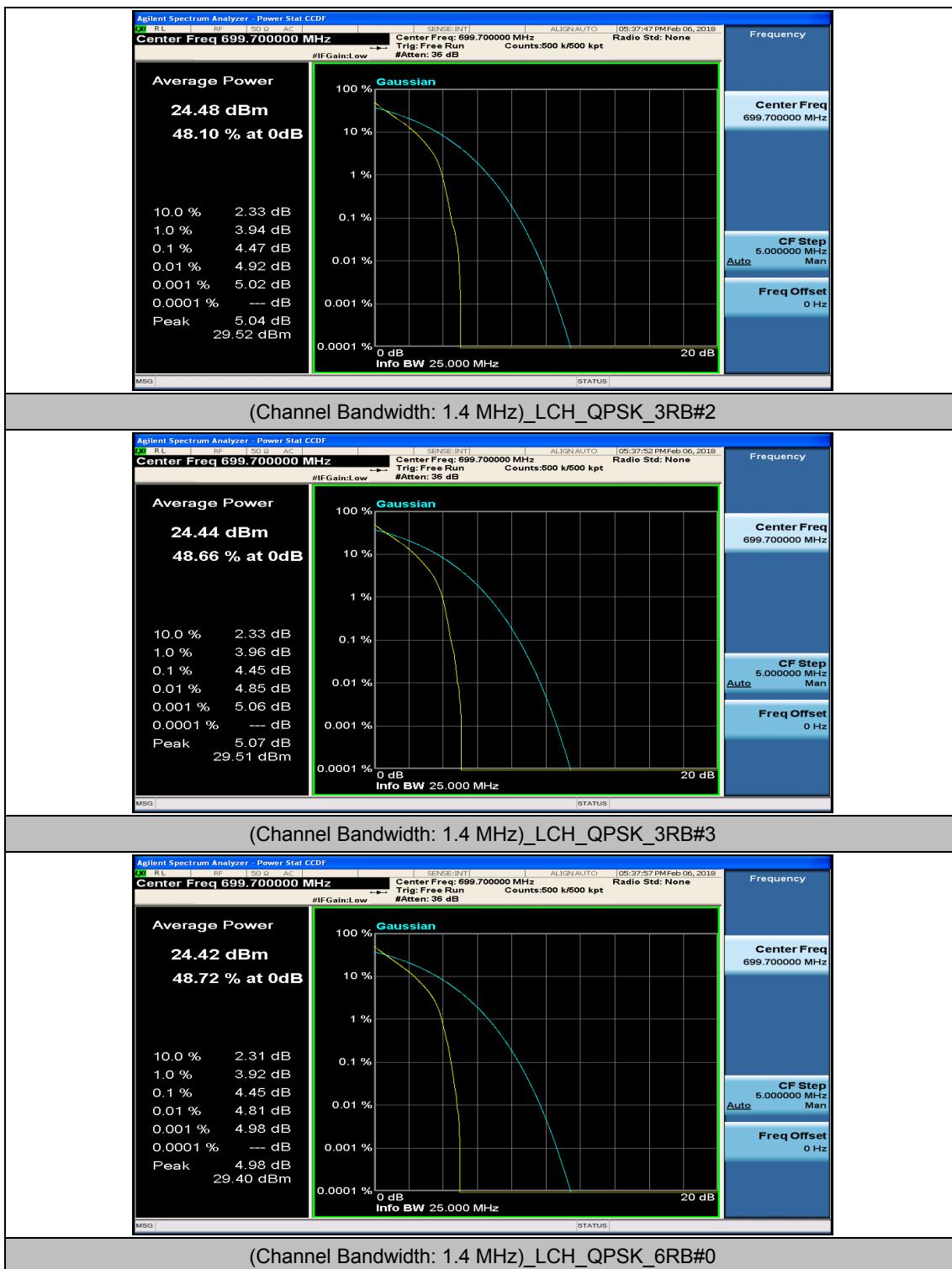
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.66	<13	PASS
		1	24	5.27	<13	PASS
		1	49	5.01	<13	PASS
		25	0	5.3	<13	PASS
		25	12	5.63	<13	PASS
		25	25	5.82	<13	PASS
		50	0	5.7	<13	PASS
	MCH	1	0	4.85	<13	PASS
		1	24	5.48	<13	PASS
		1	49	4.13	<13	PASS
		25	0	5.77	<13	PASS
		25	12	5.76	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.34	<13	PASS
	HCH	1	0	5.04	<13	PASS

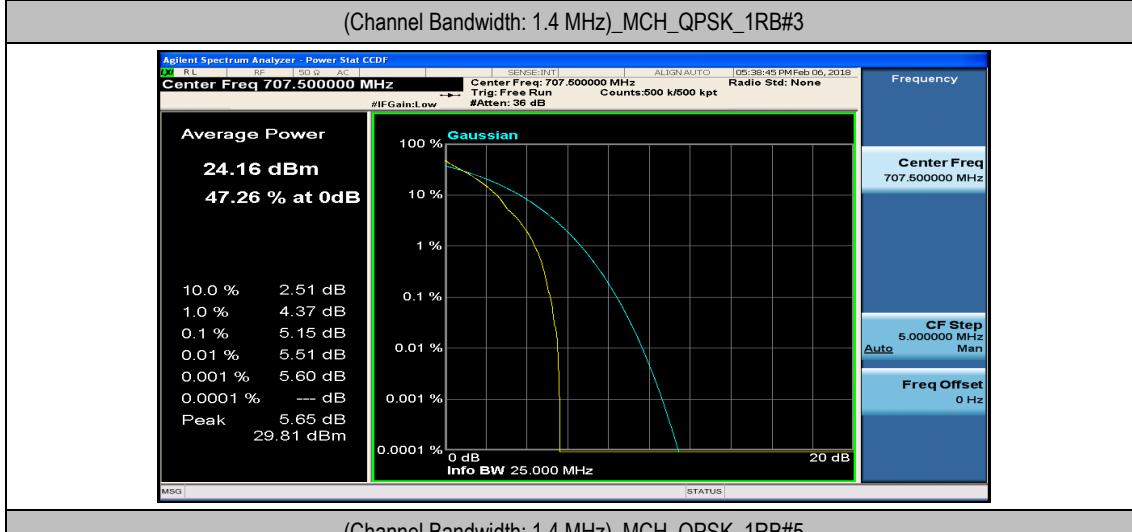
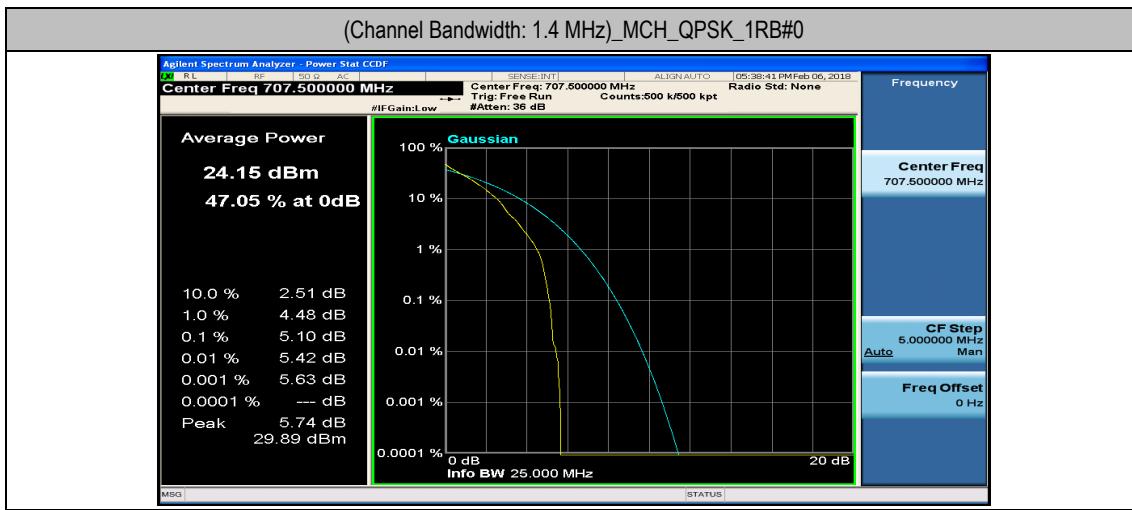
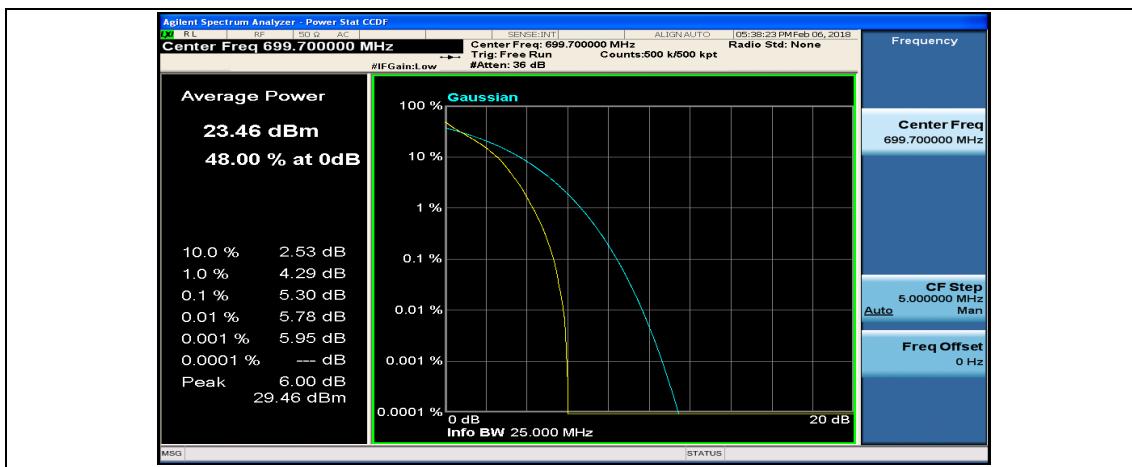
		1	24	3.7	<13	PASS
		1	49	5.61	<13	PASS
		25	0	5.27	<13	PASS
		25	12	4.85	<13	PASS
		25	25	5.41	<13	PASS
		50	0	5.4	<13	PASS
16QAM	LCH	1	0	5.69	<13	PASS
		1	24	6.07	<13	PASS
		1	49	5.93	<13	PASS
		25	0	6.12	<13	PASS
		25	12	6.39	<13	PASS
		25	25	6.62	<13	PASS
		50	0	6.38	<13	PASS
	MCH	1	0	5.69	<13	PASS
		1	24	6.42	<13	PASS
		1	49	4.68	<13	PASS
		25	0	6.54	<13	PASS
		25	12	6.44	<13	PASS
		25	25	5.83	<13	PASS
		50	0	6.13	<13	PASS
	HCH	1	0	6.1	<13	PASS
		1	24	4.53	<13	PASS
		1	49	6.43	<13	PASS
		25	0	6.21	<13	PASS
		25	12	5.68	<13	PASS
		25	25	6.04	<13	PASS
		50	0	6.07	<13	PASS

## Test Graphs

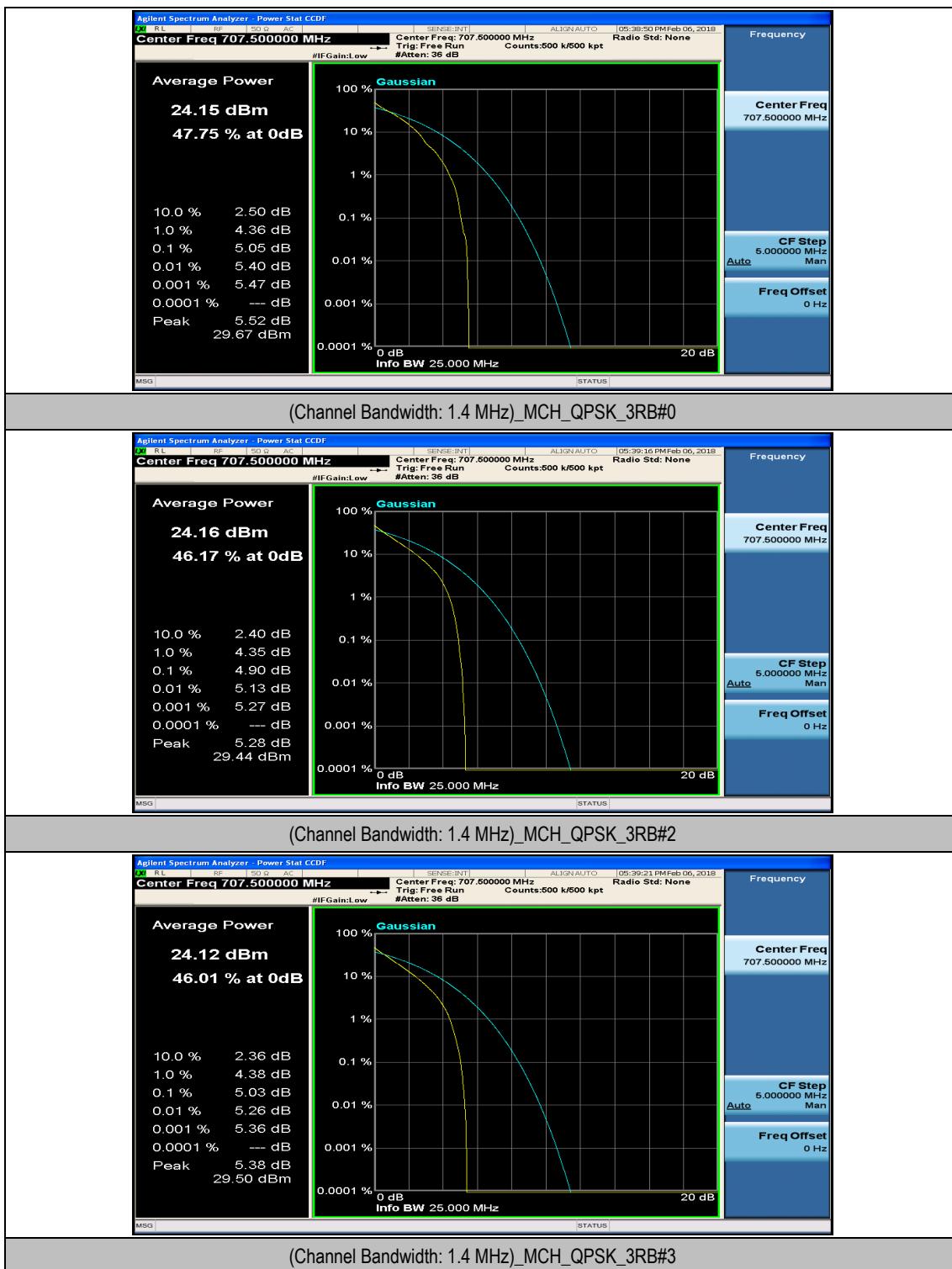
### Channel Bandwidth: 1.4 MHz

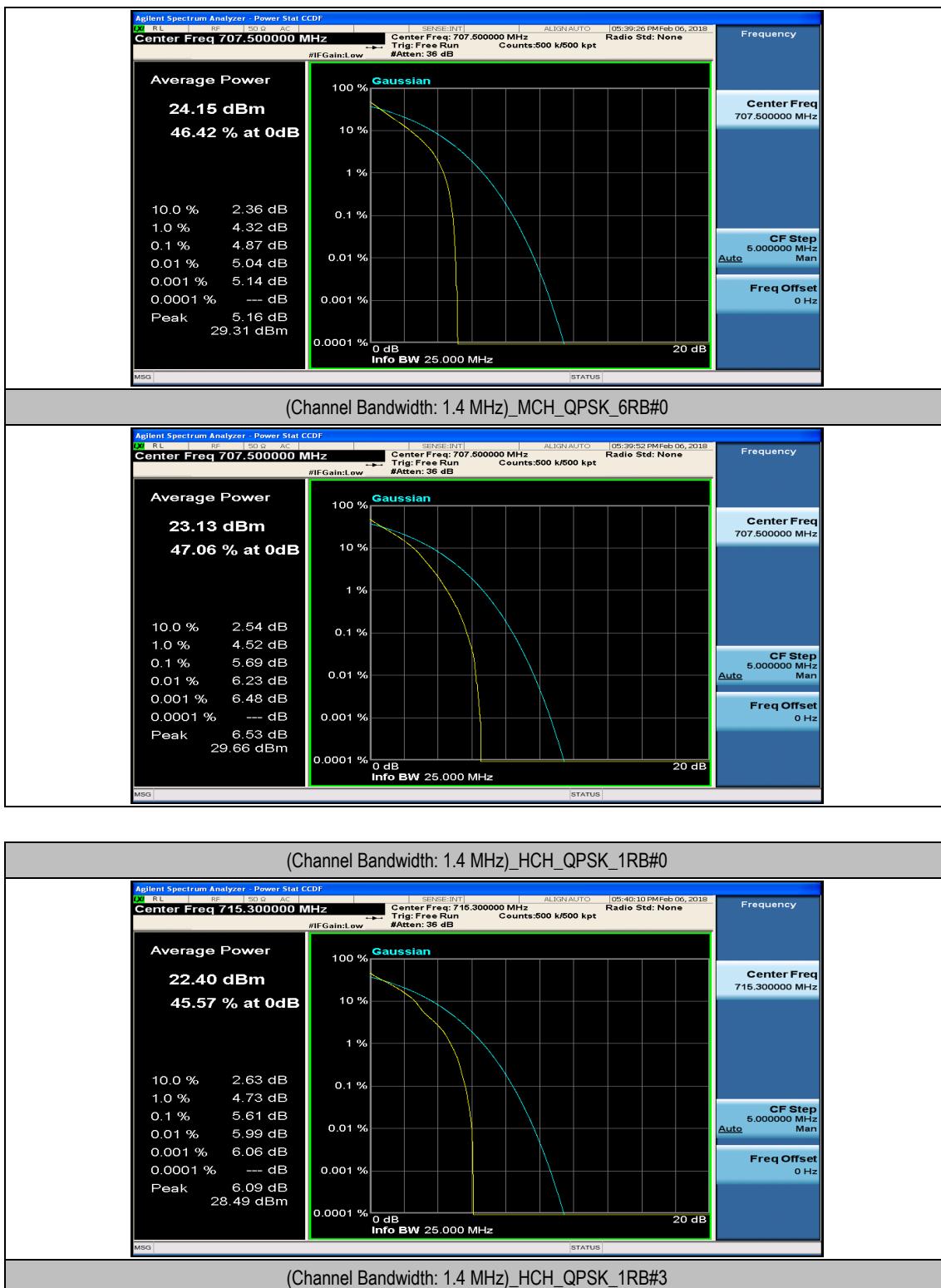


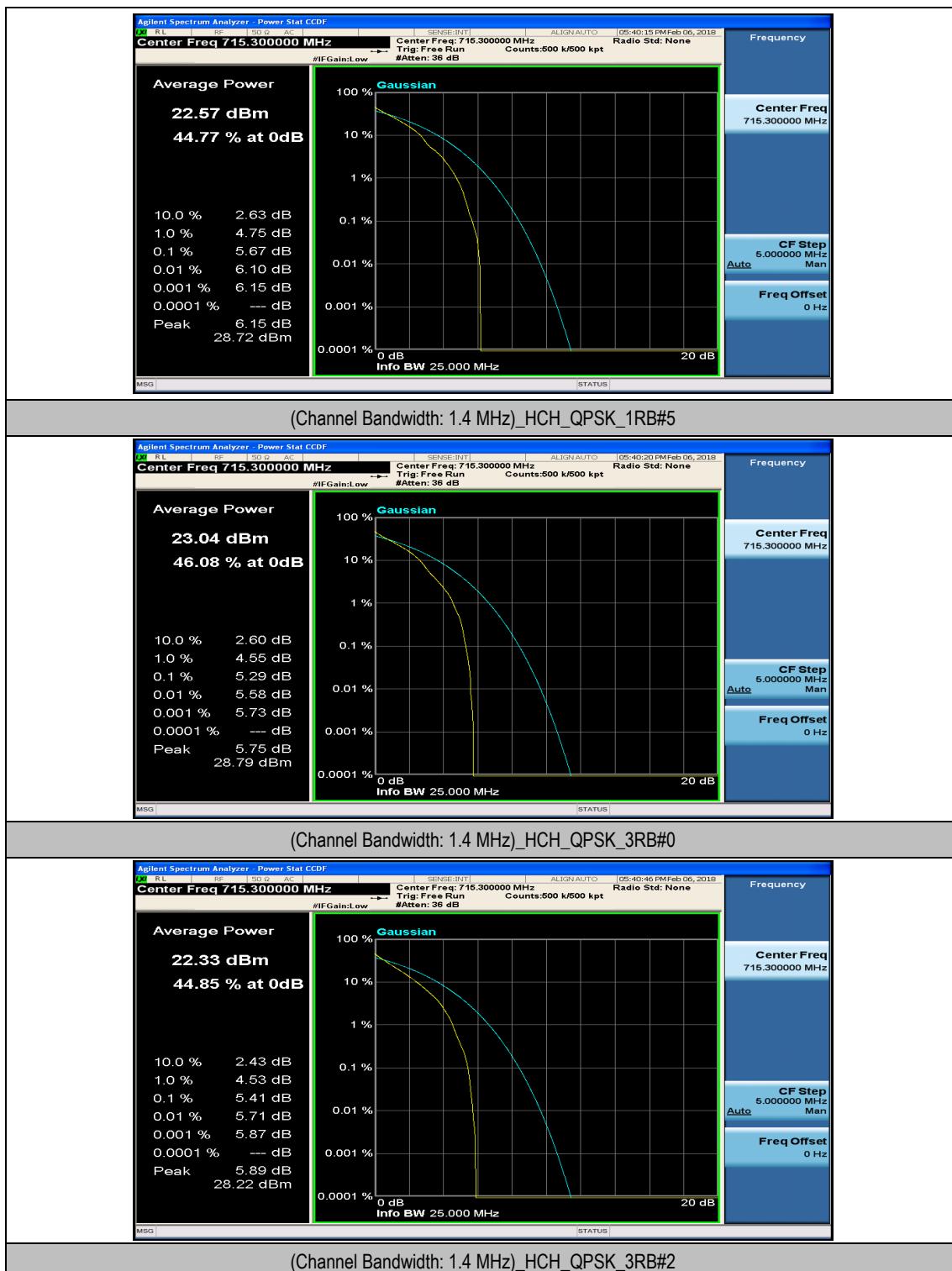


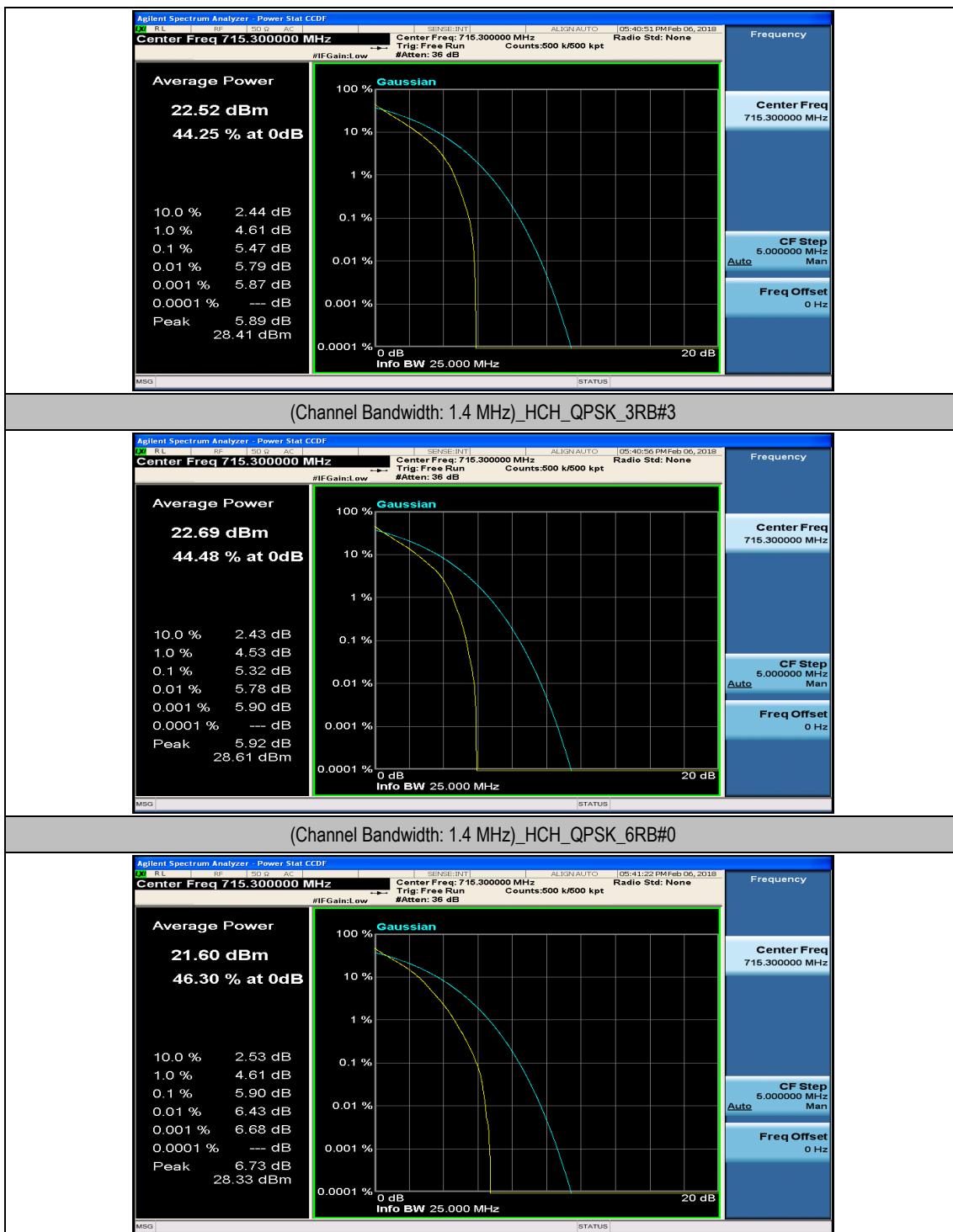


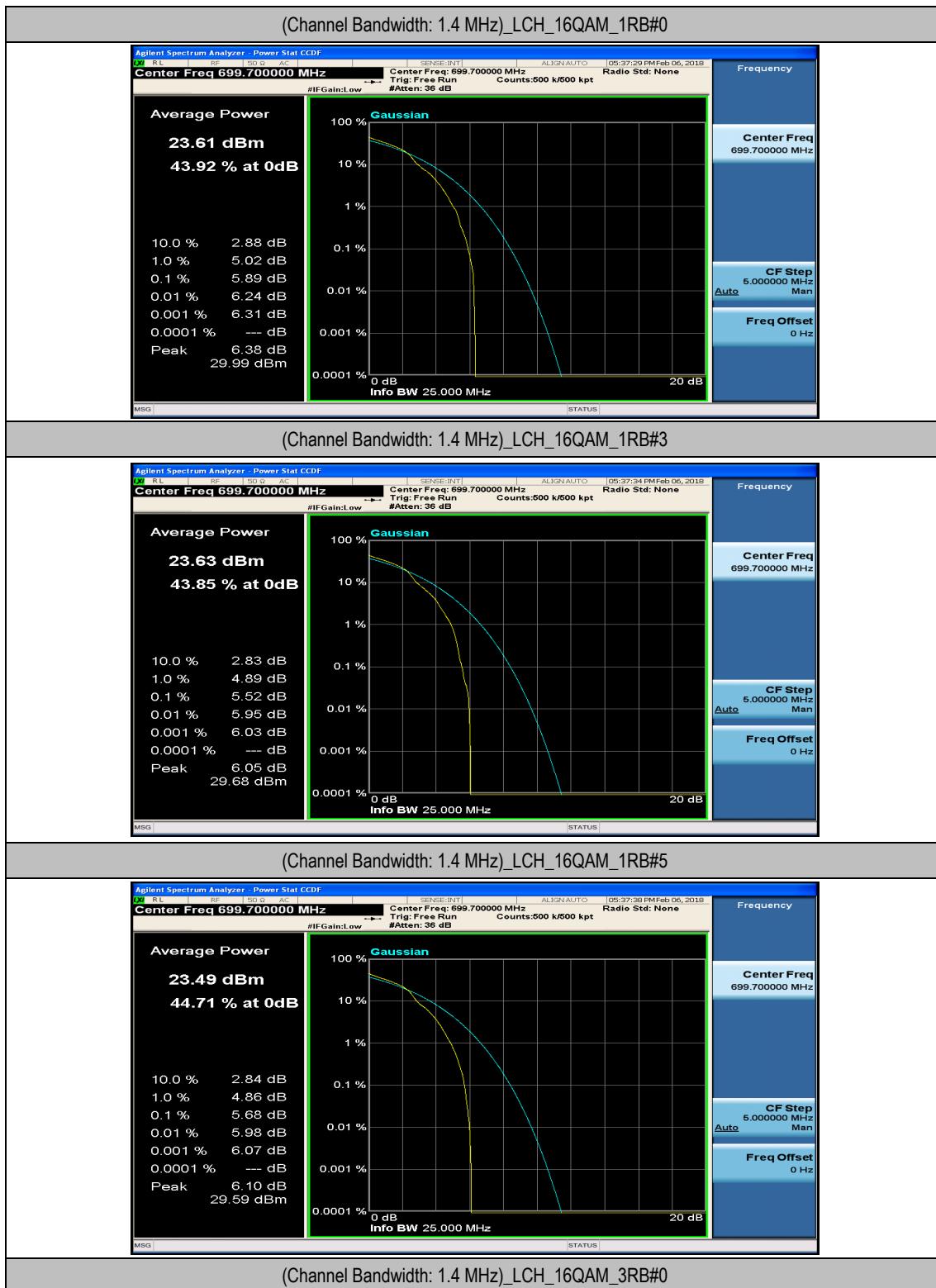
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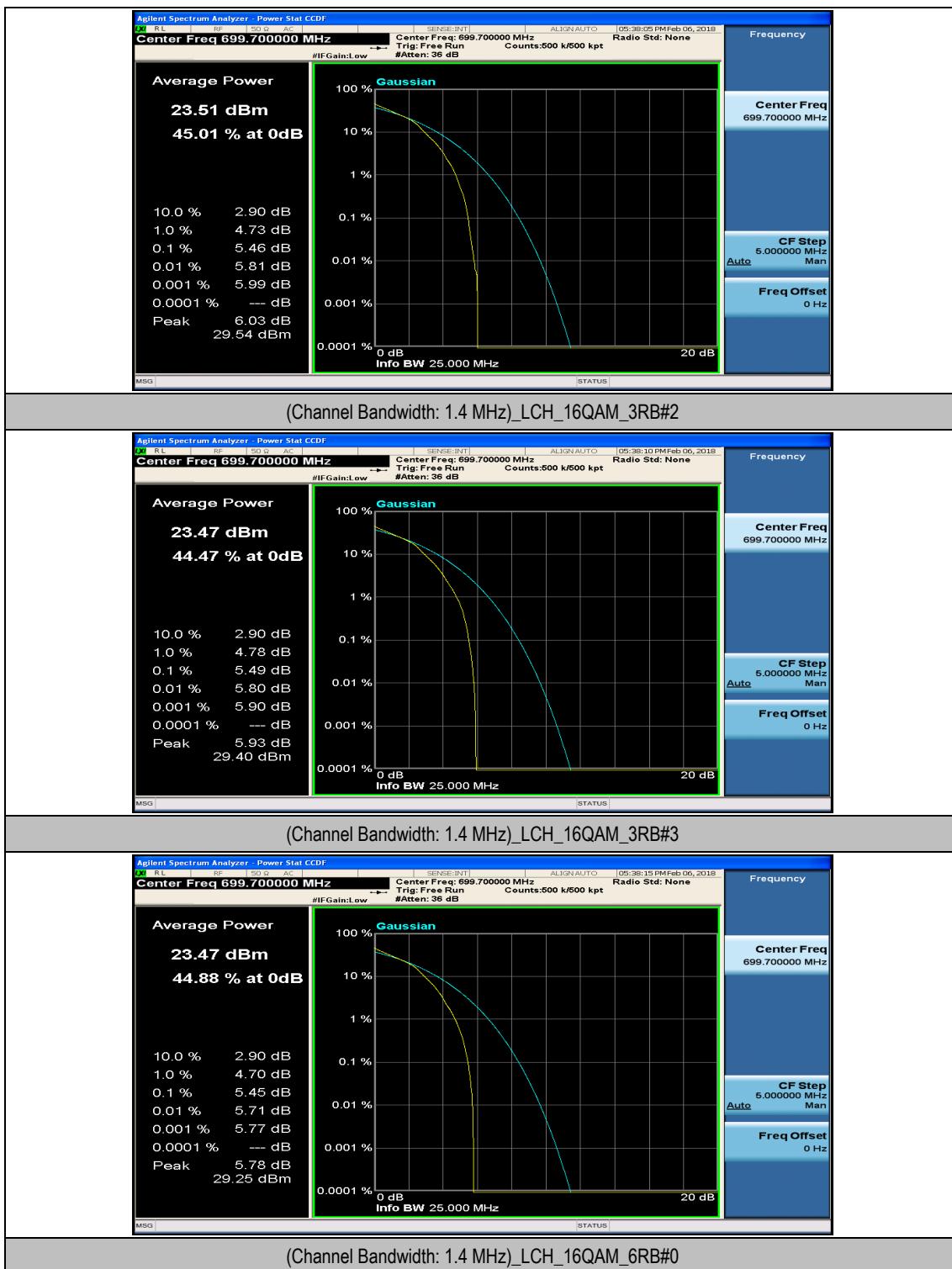


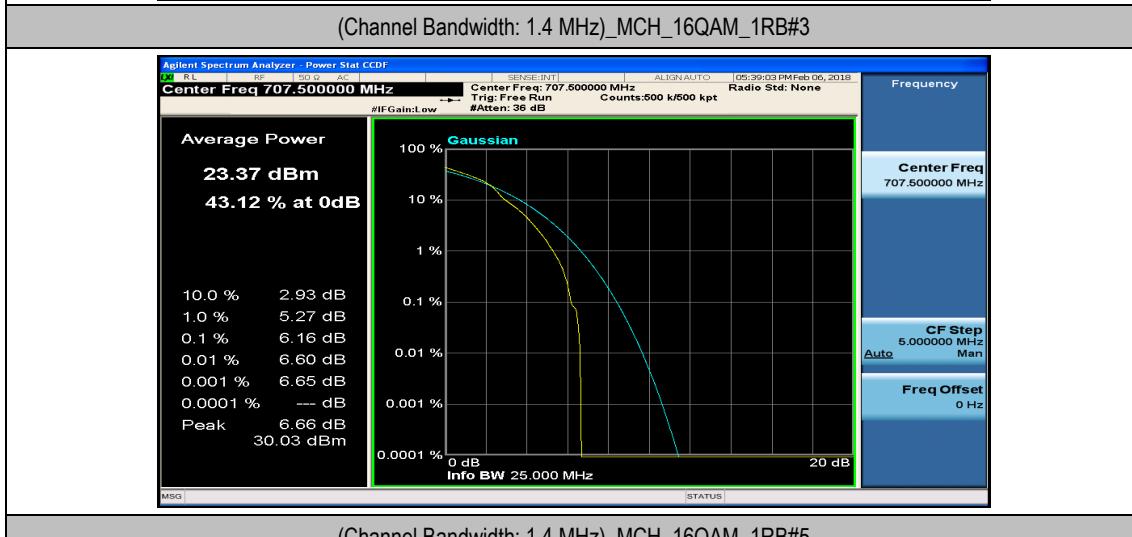
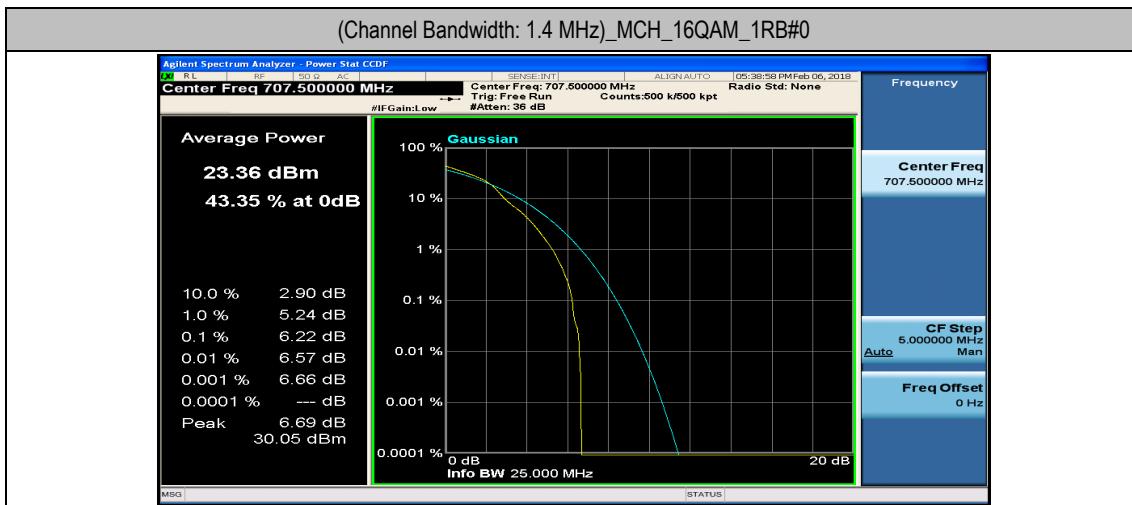


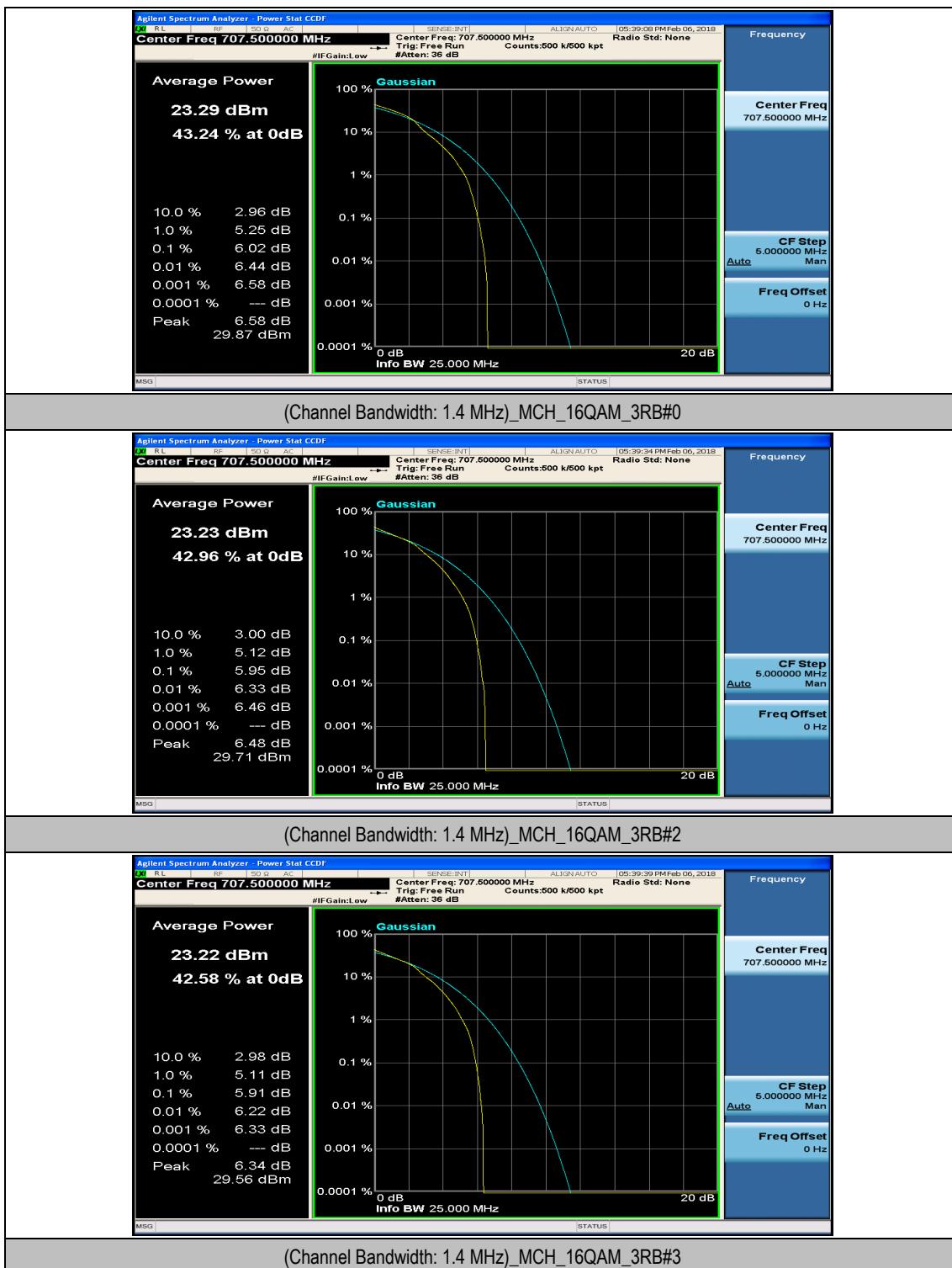


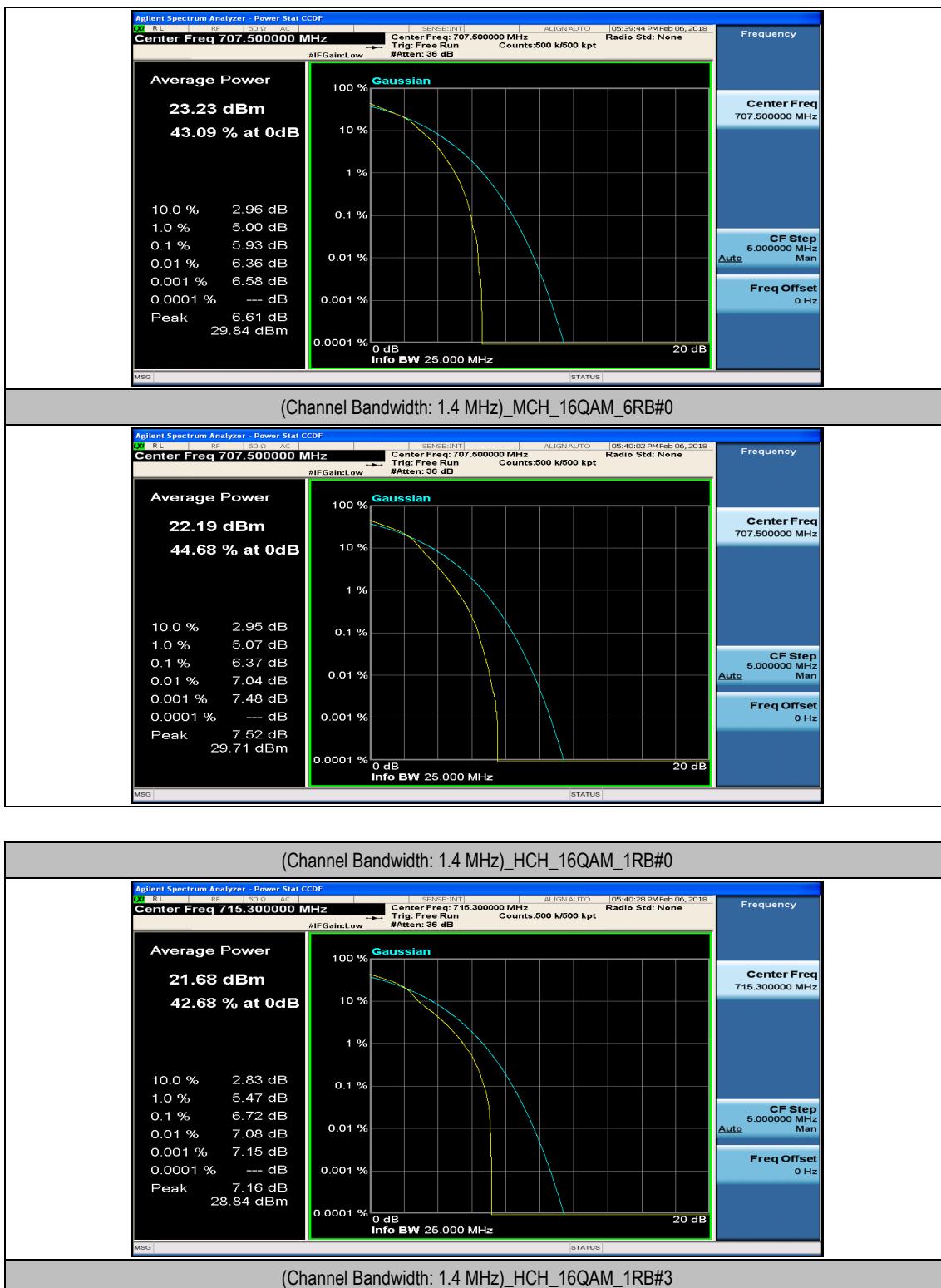


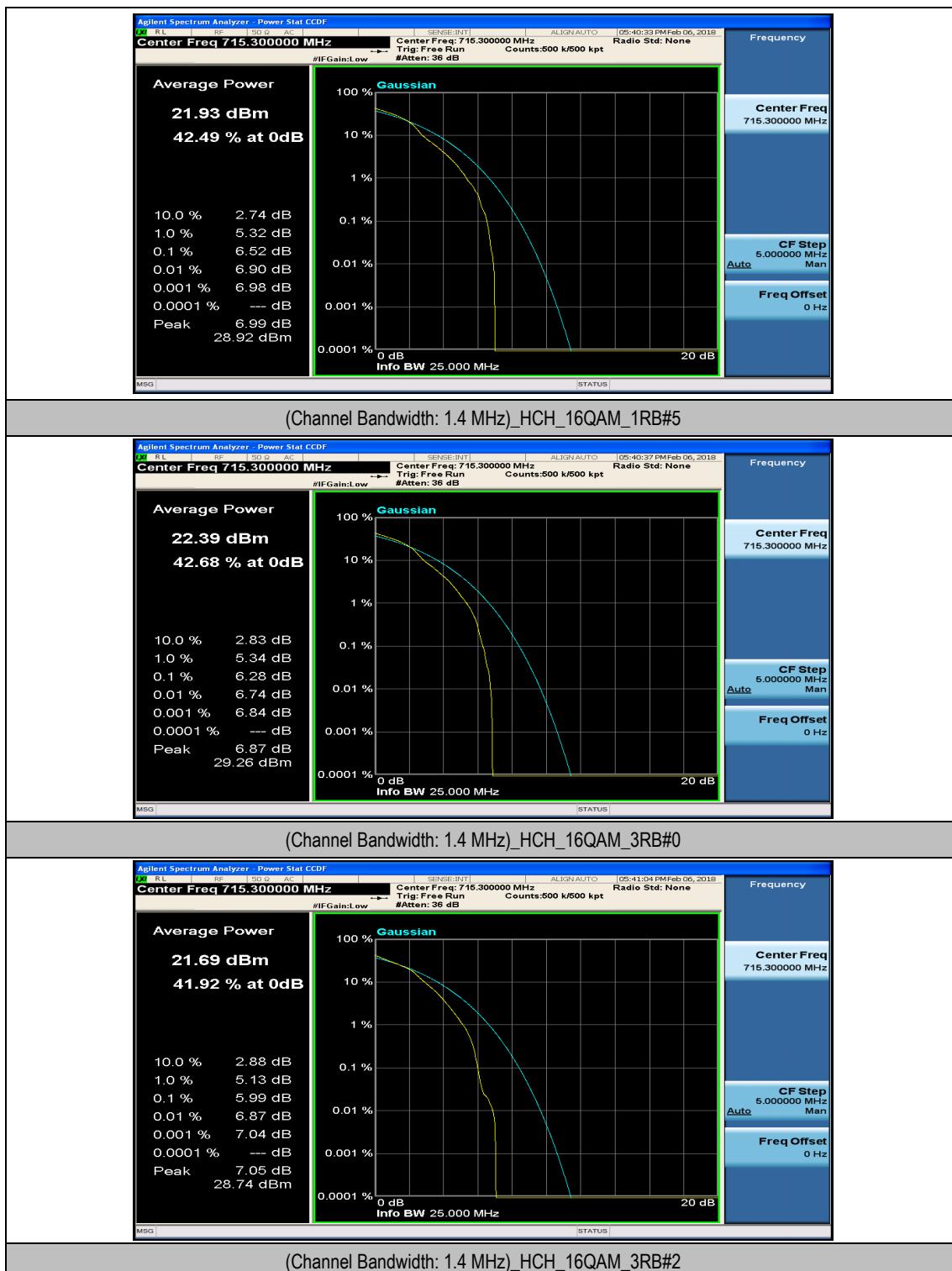


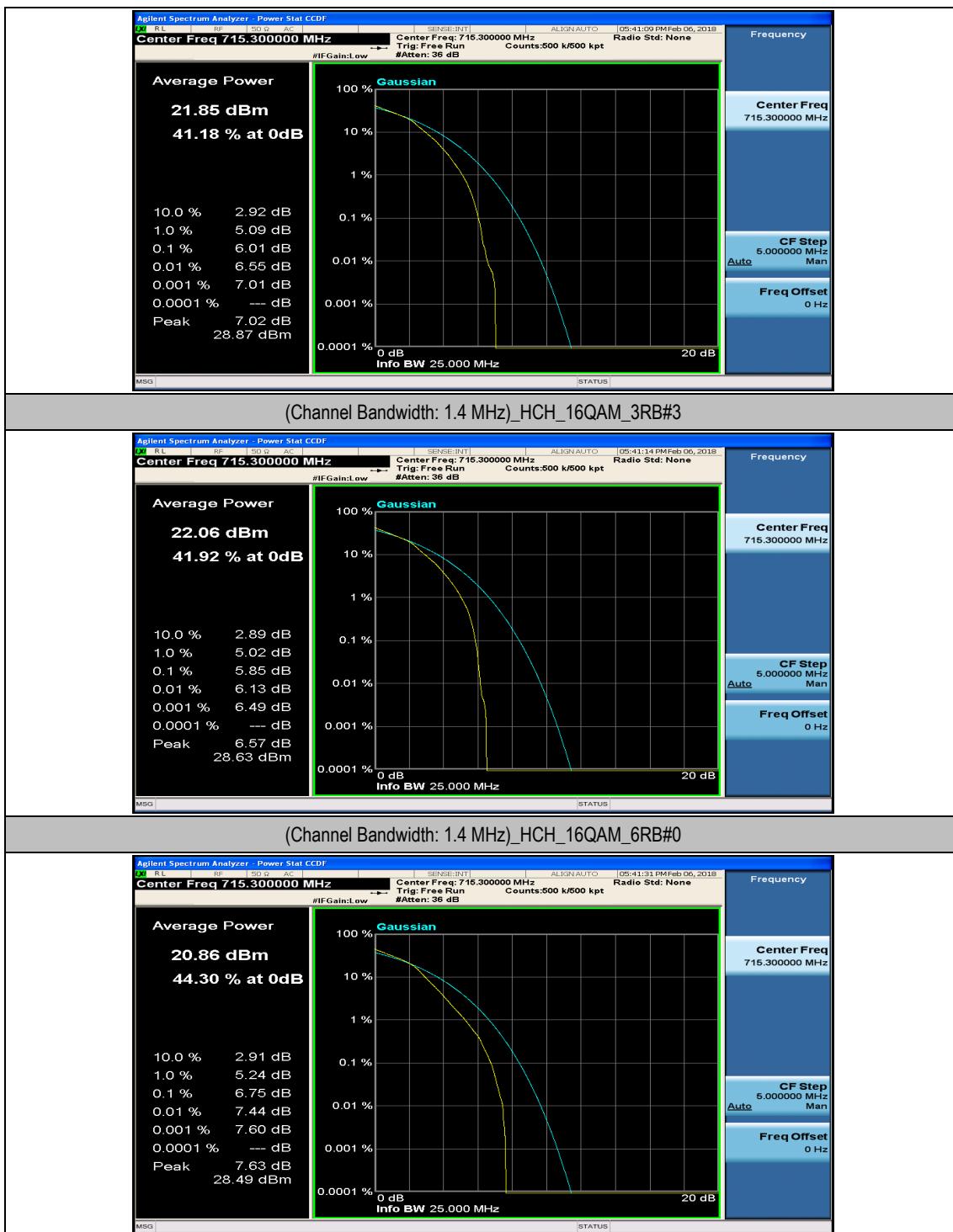




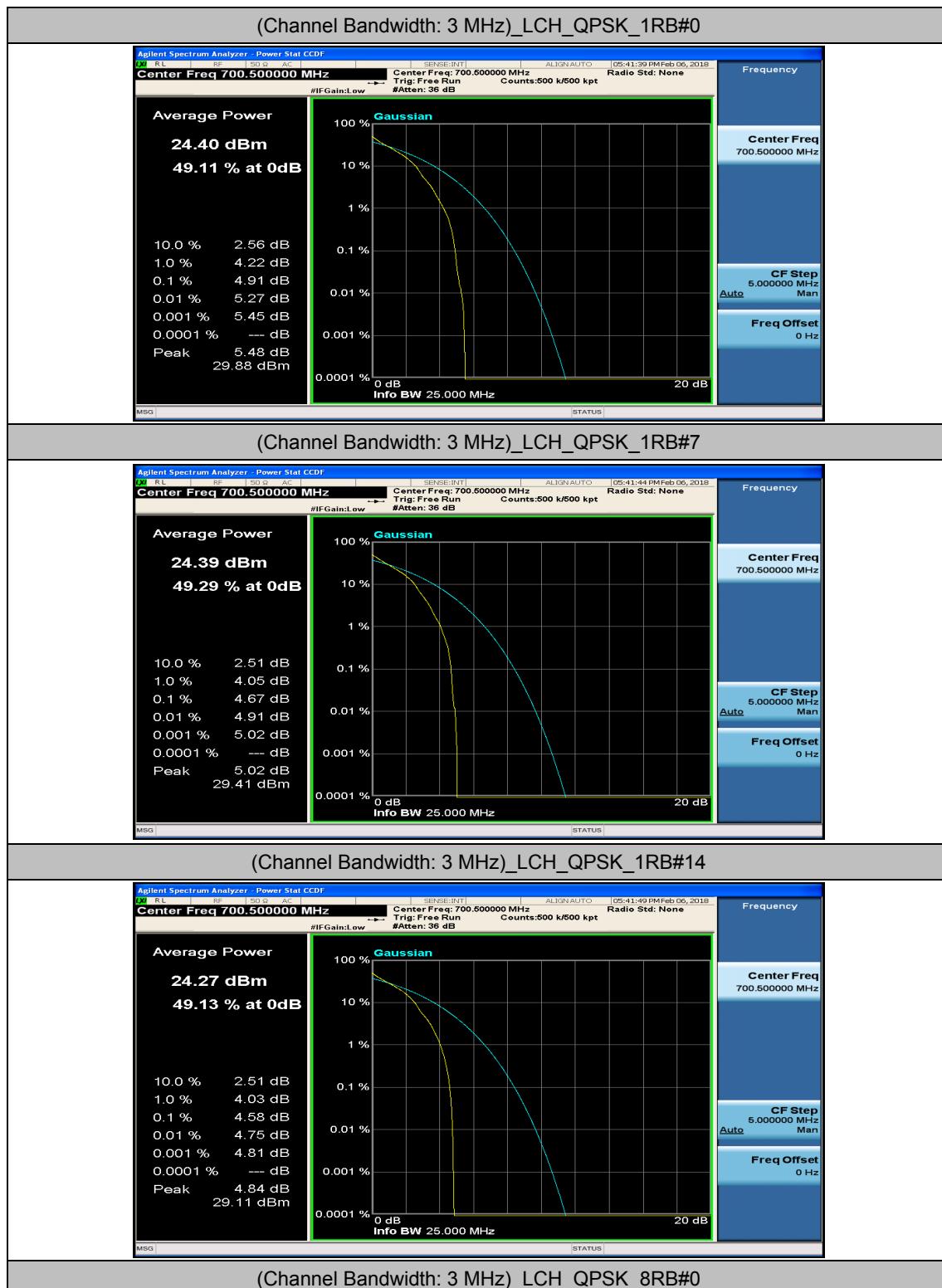


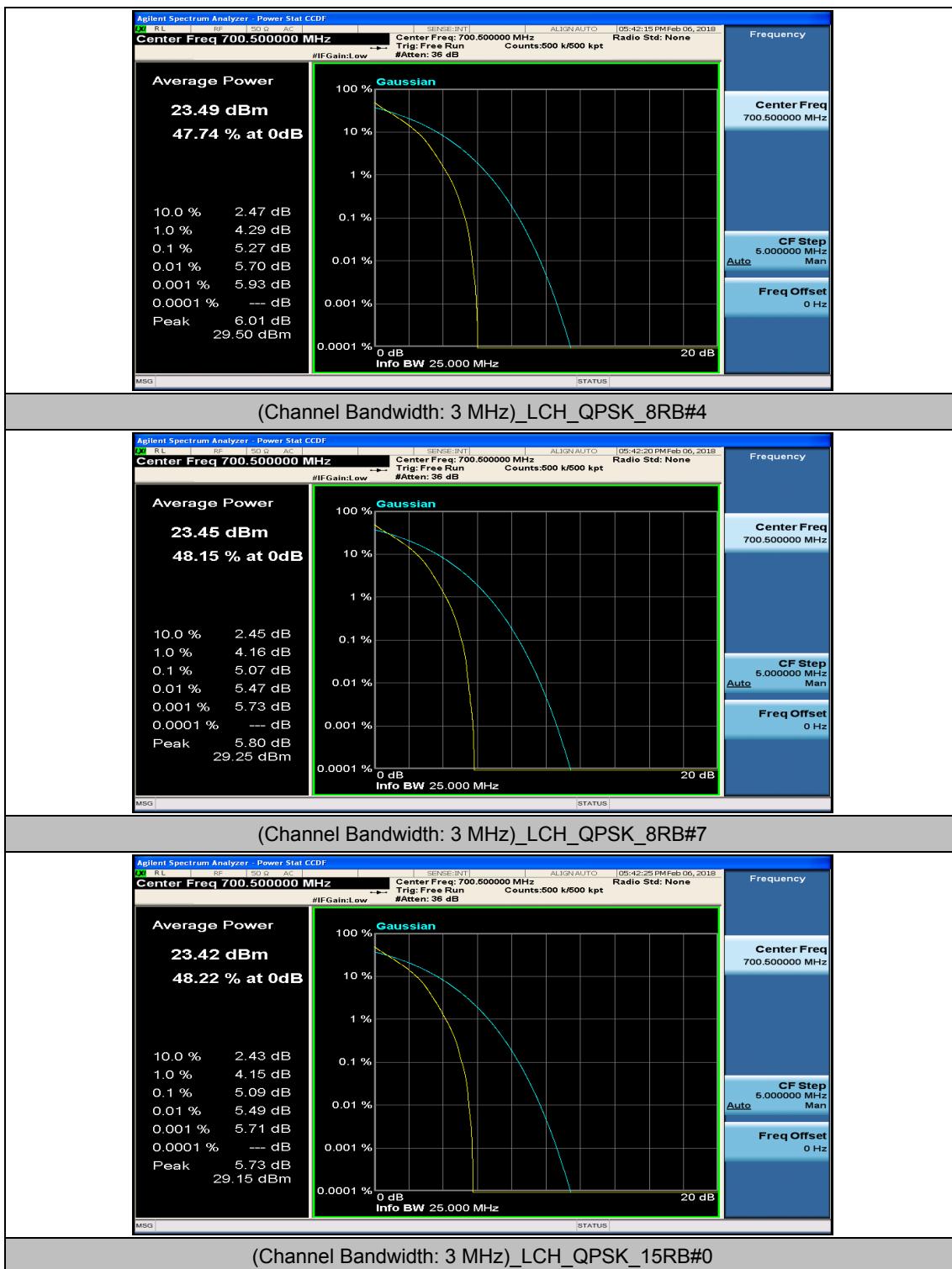


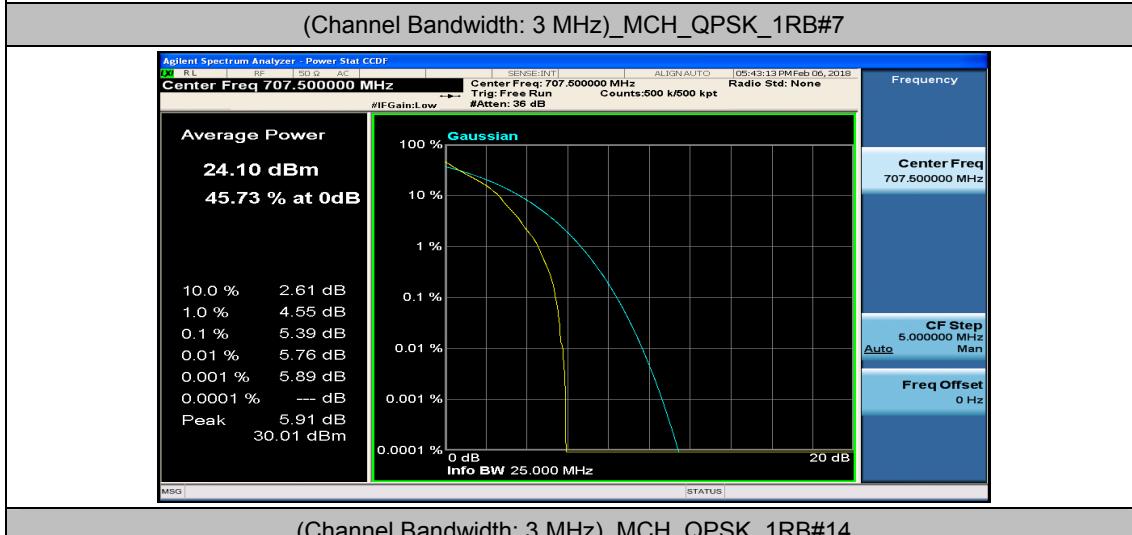
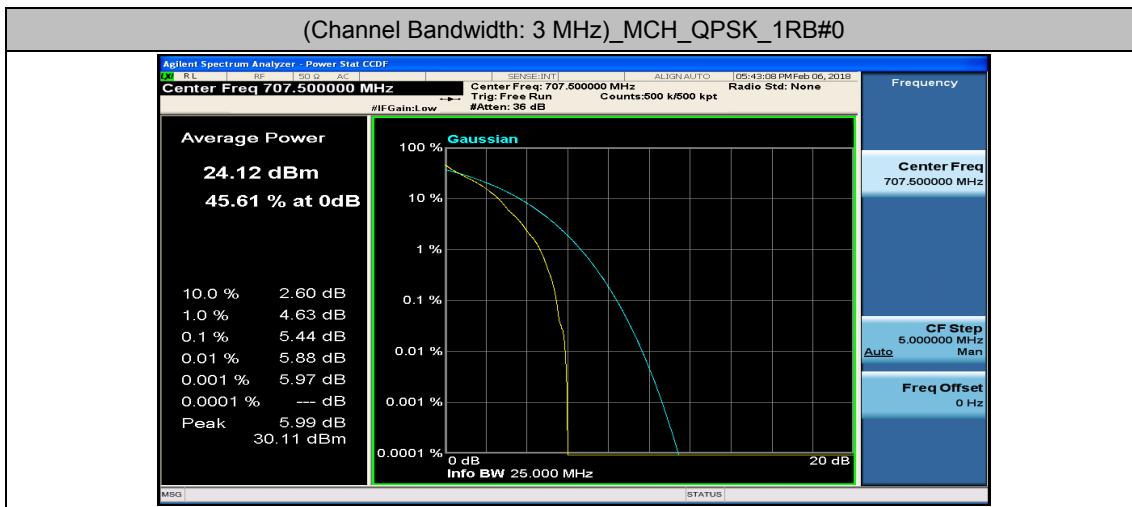
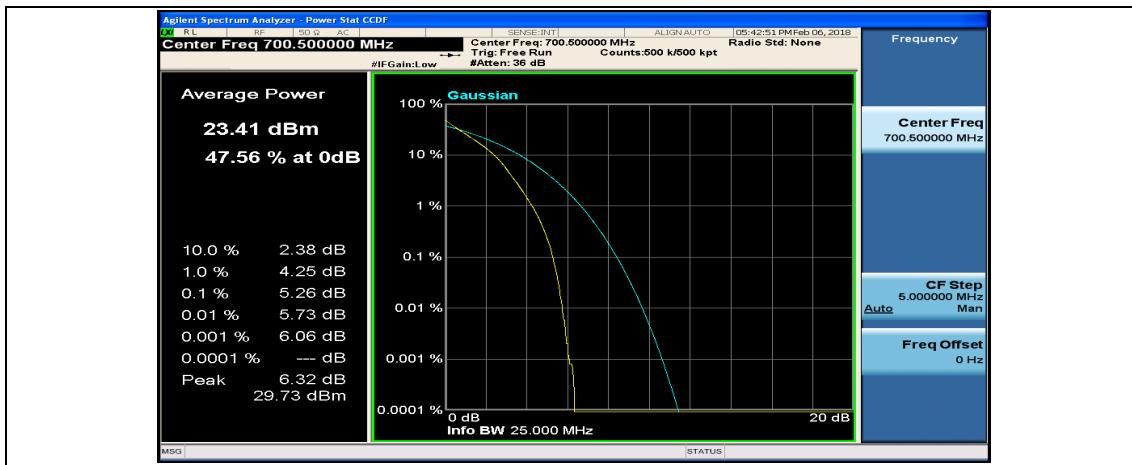




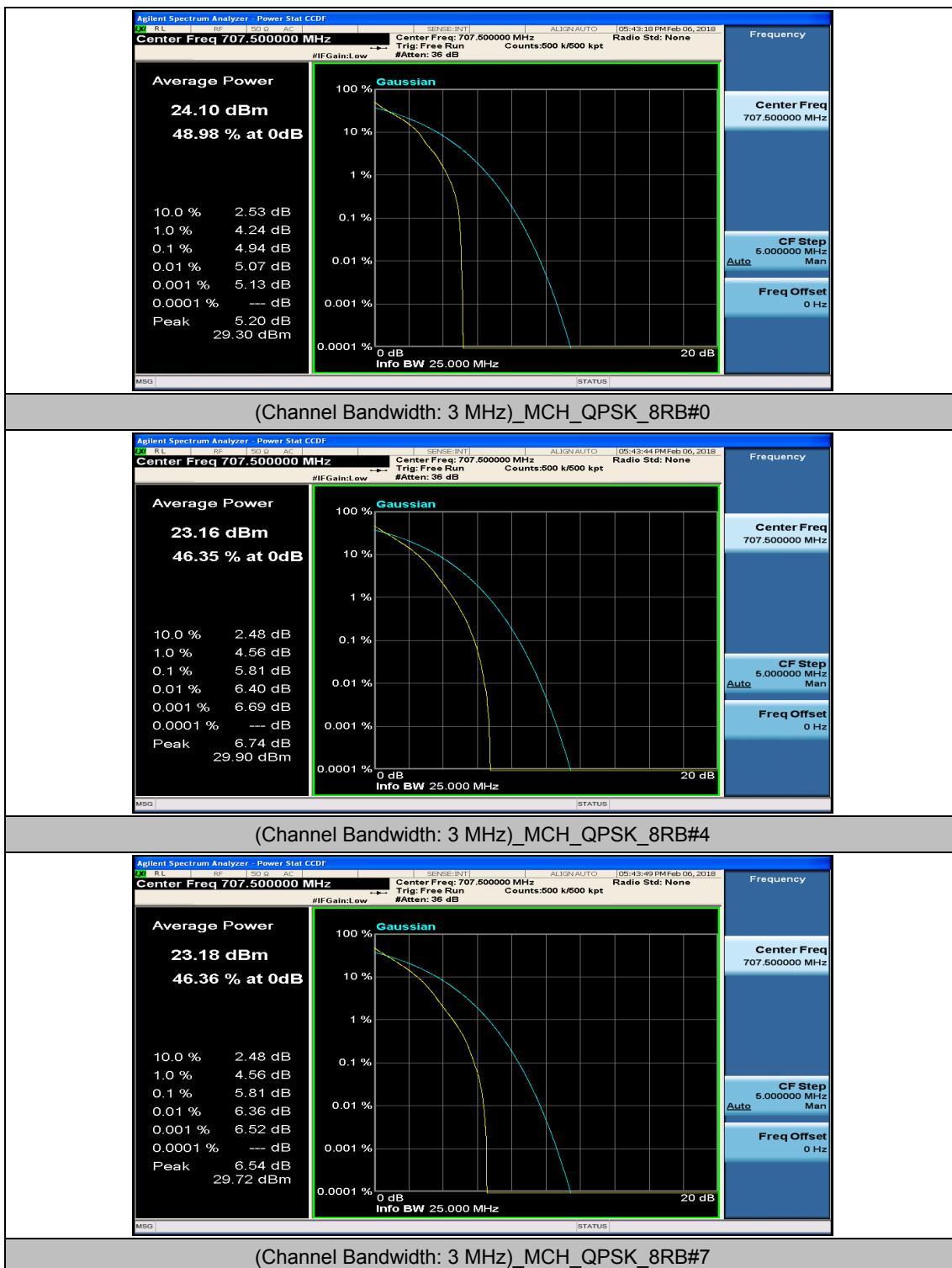
## Channel Bandwidth: 3 MHz

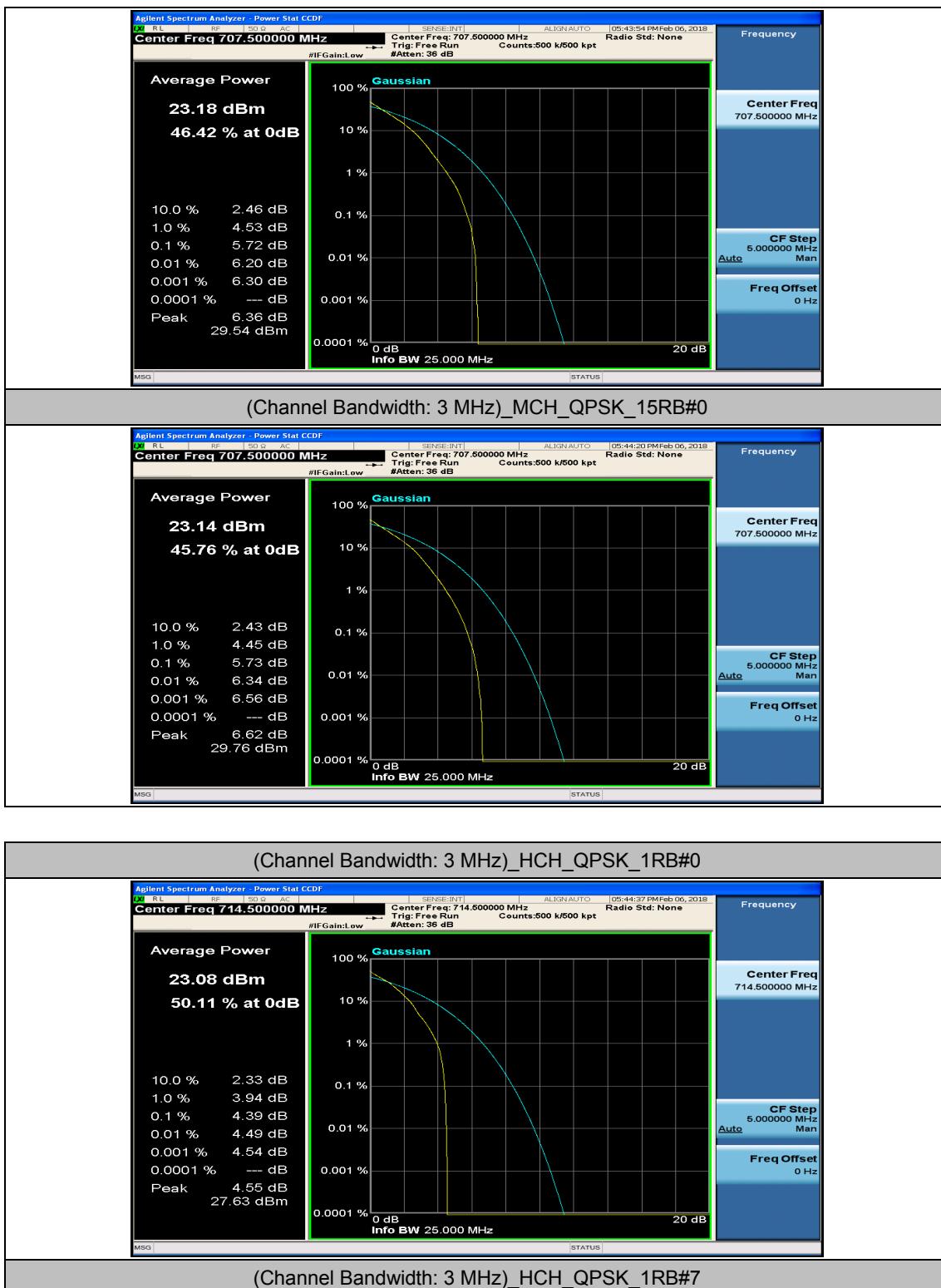


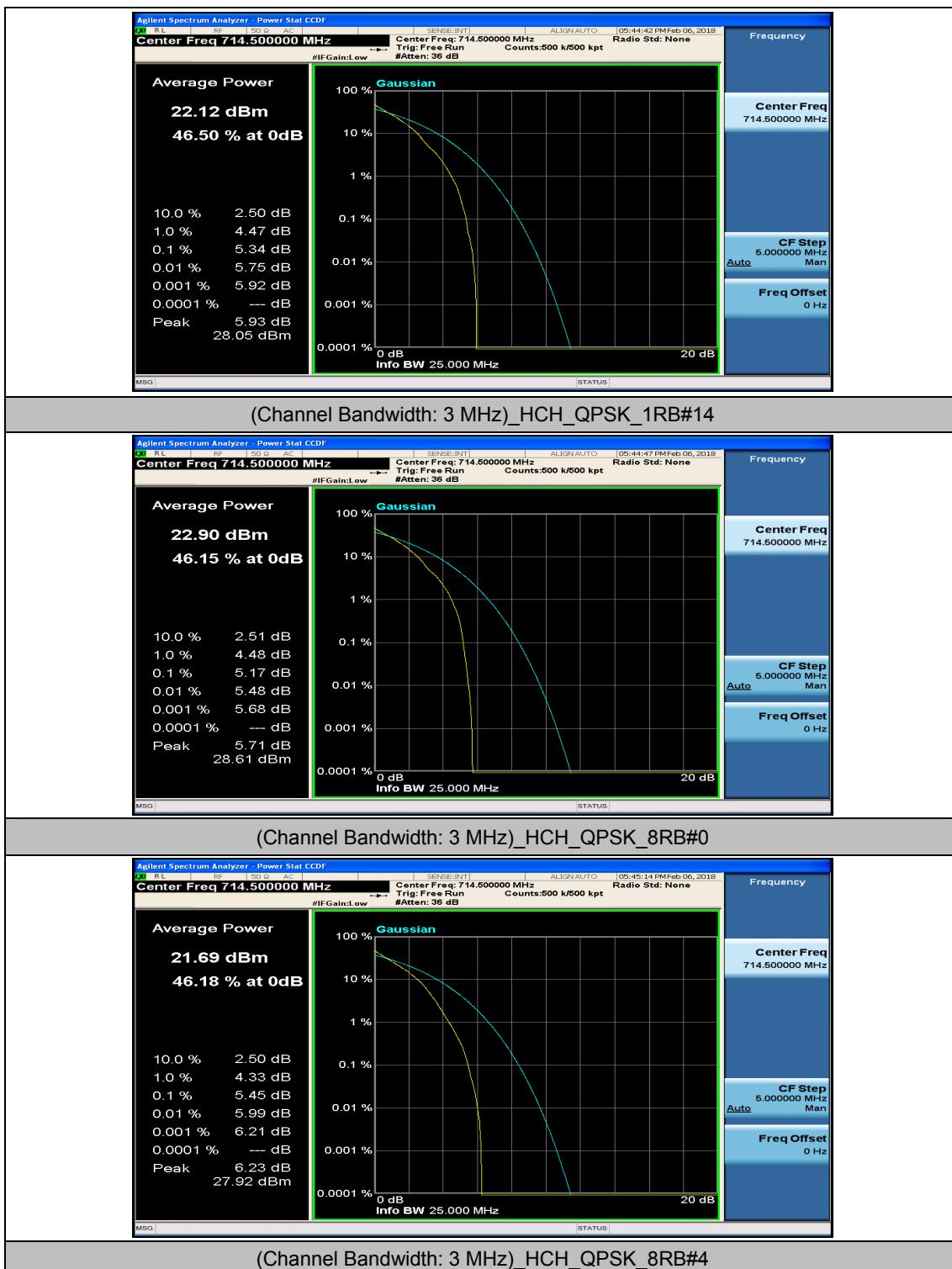


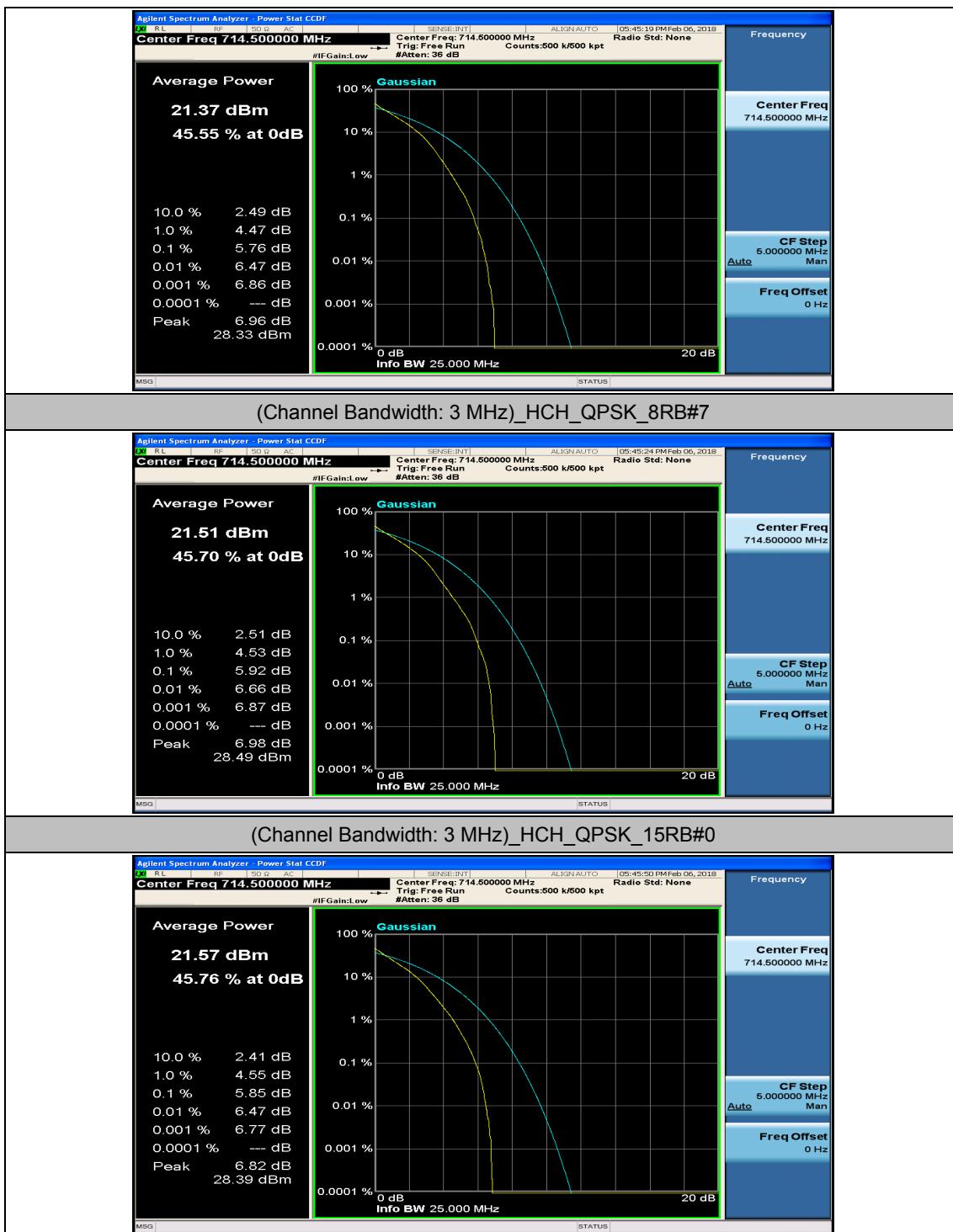


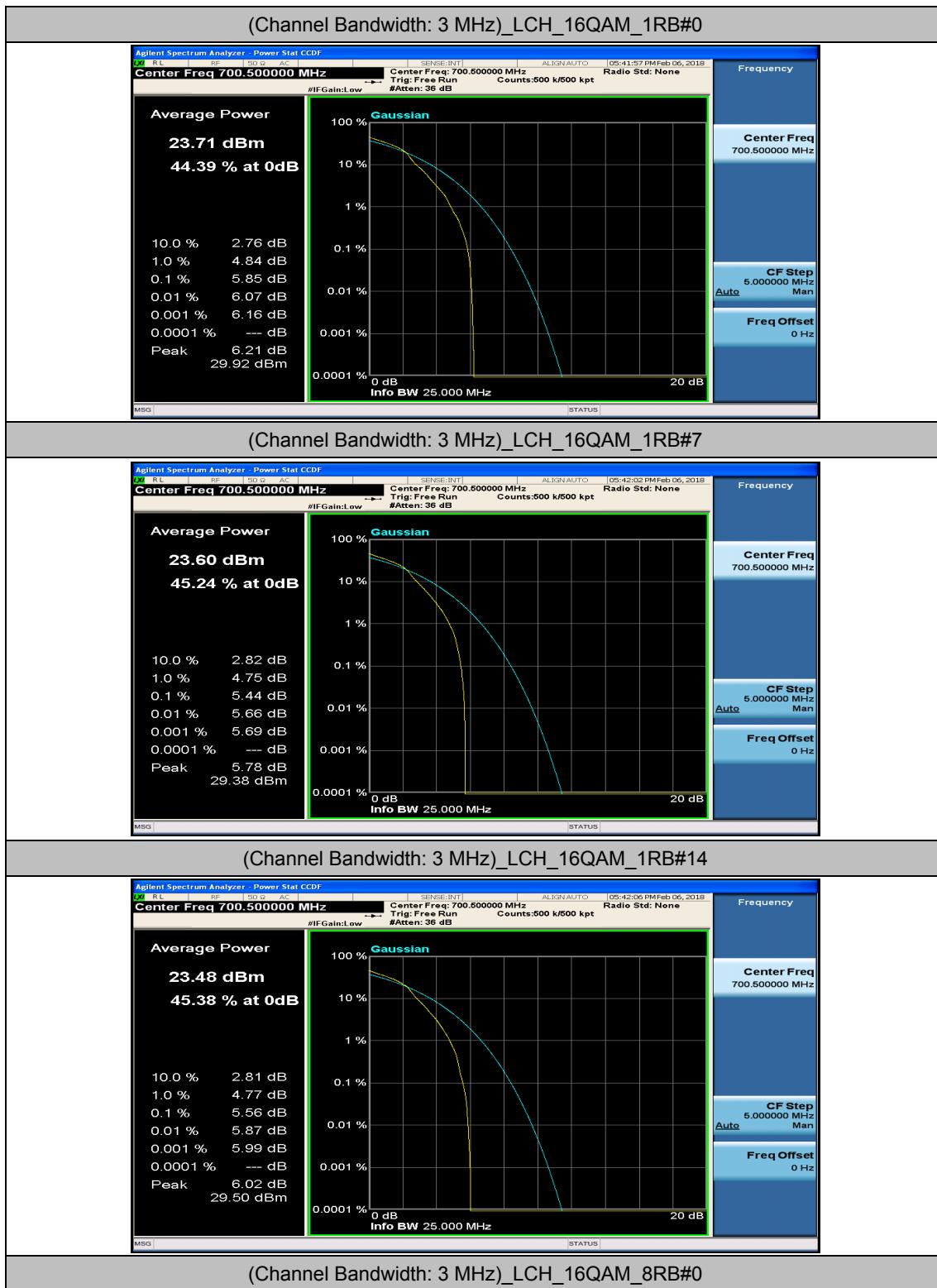
**(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14**

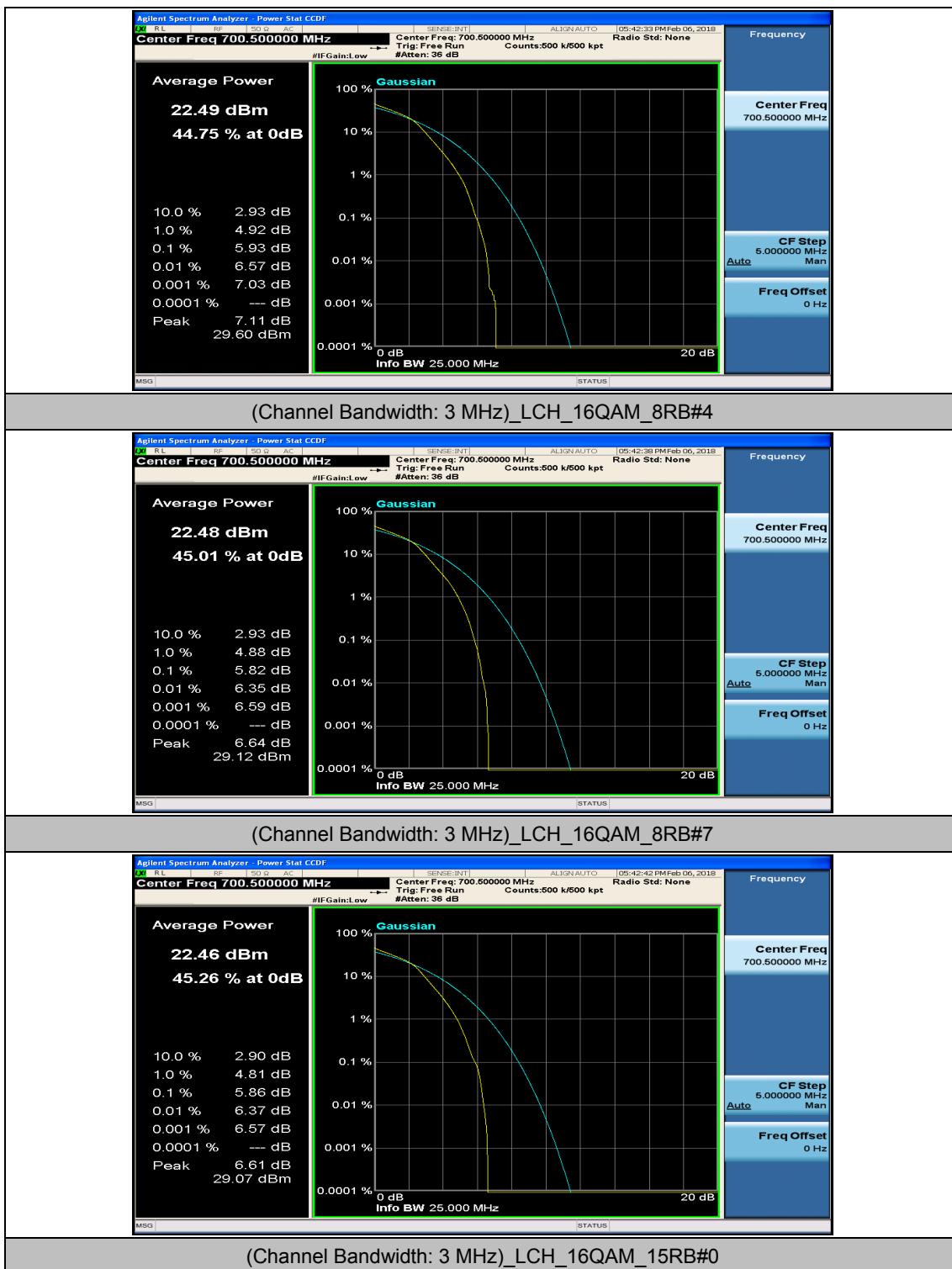


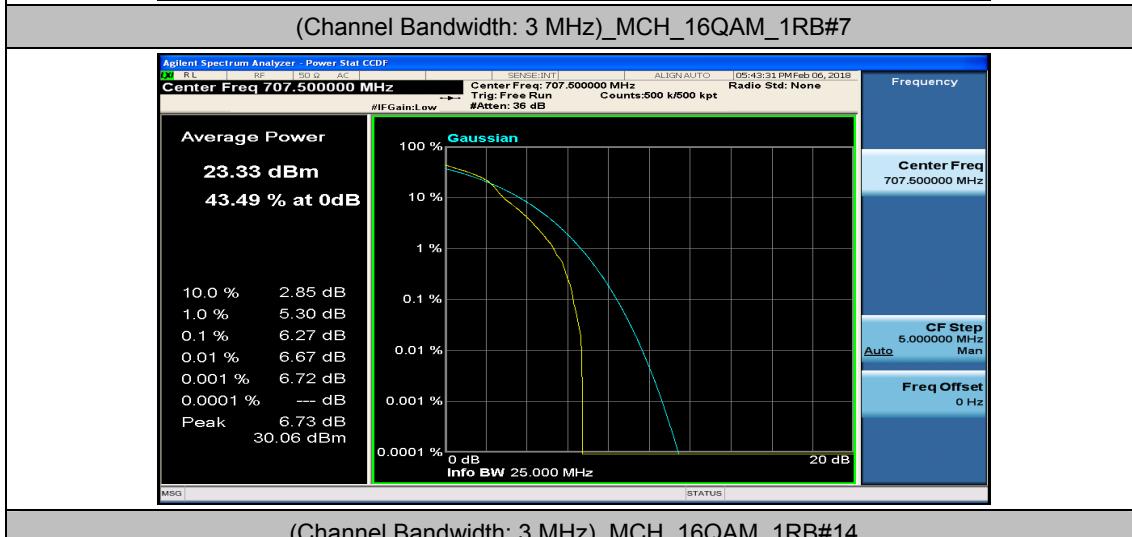
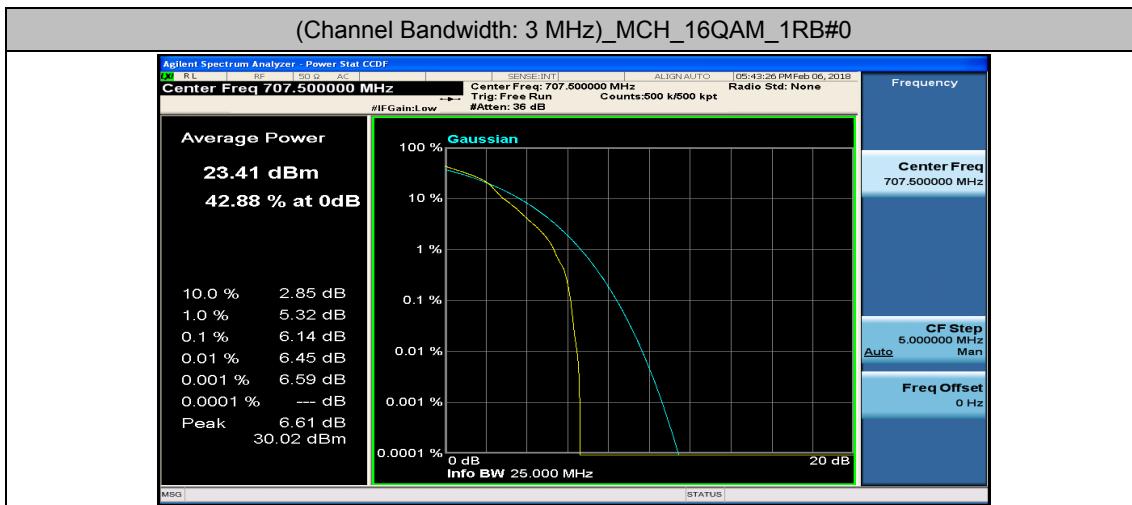
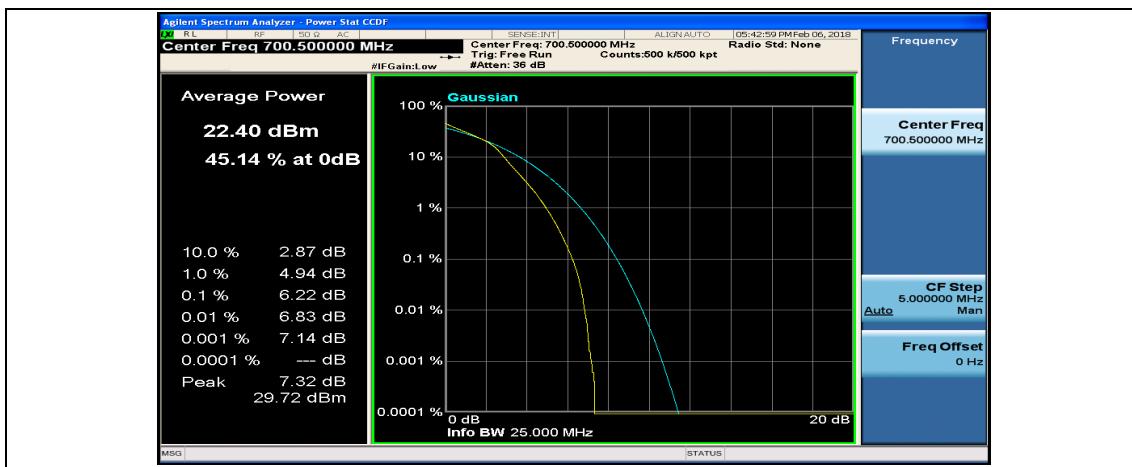




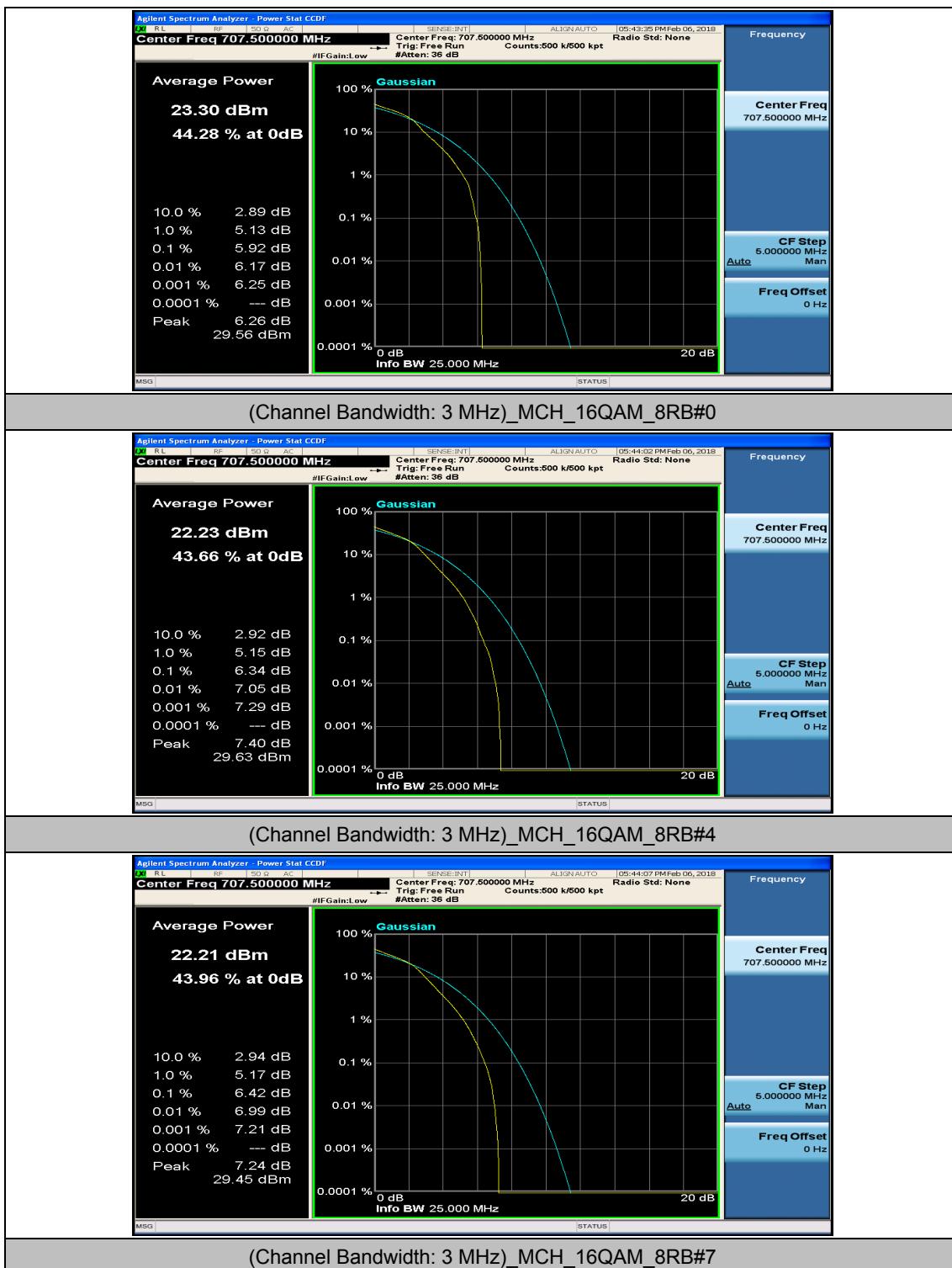


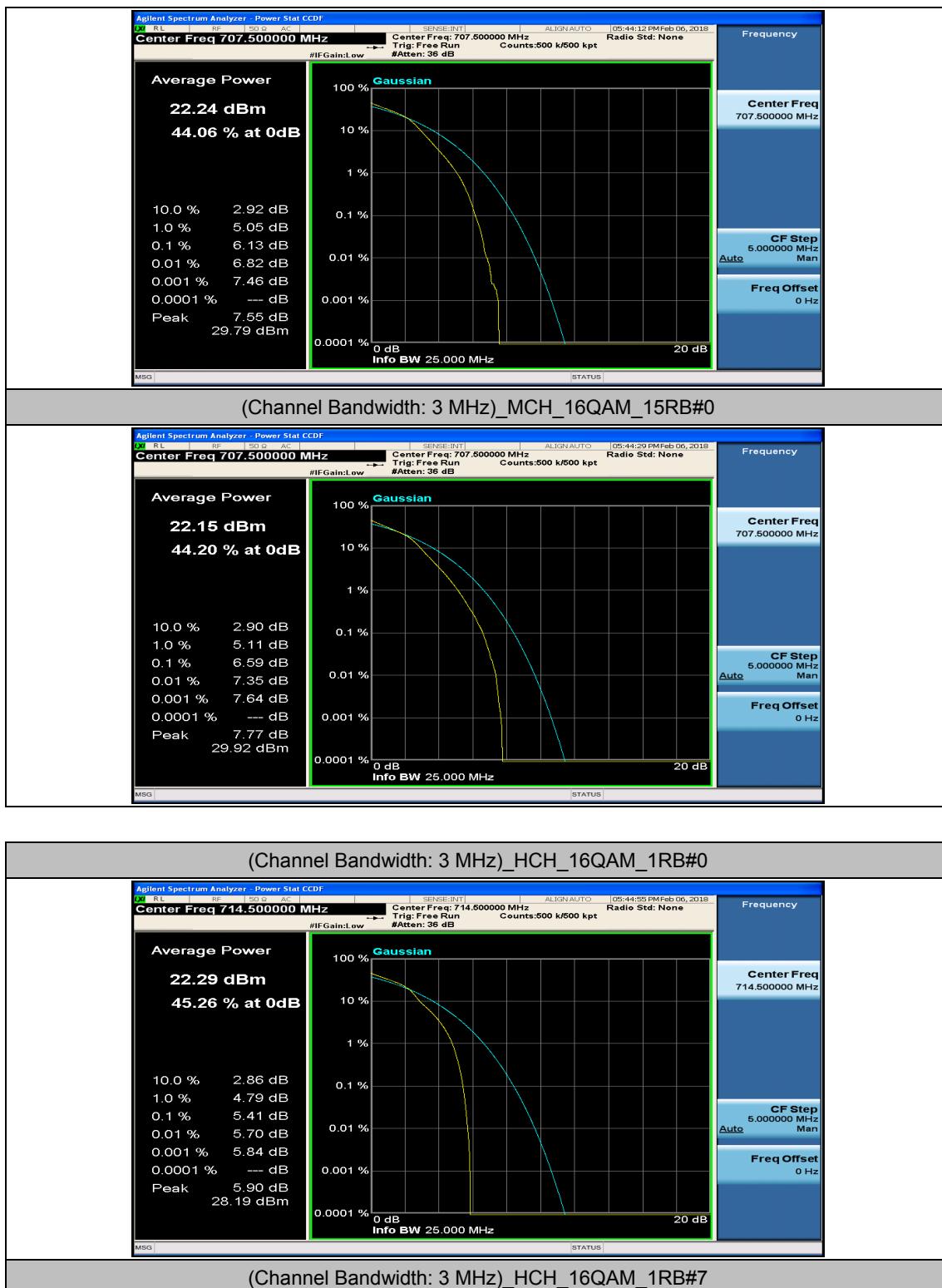


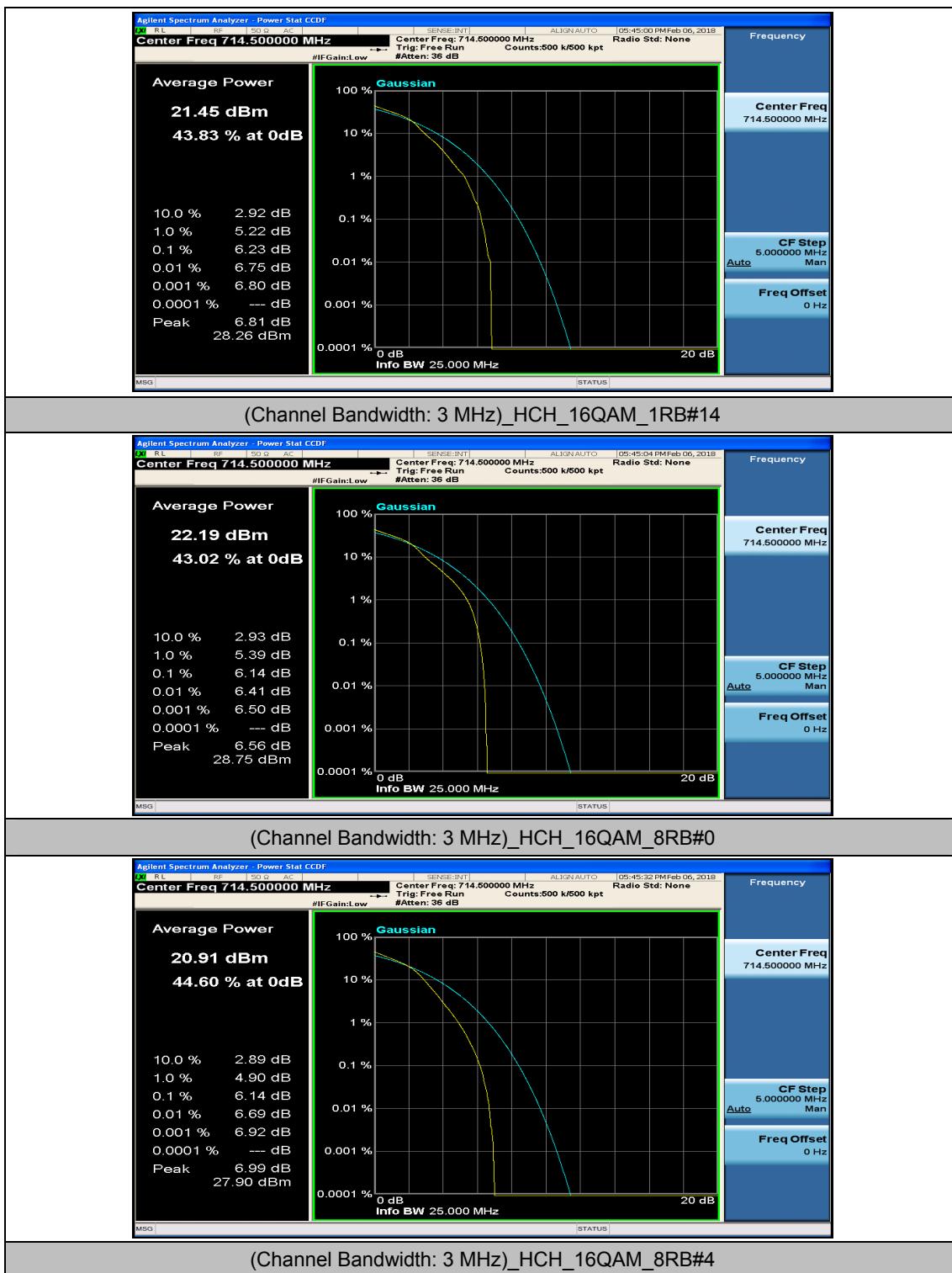


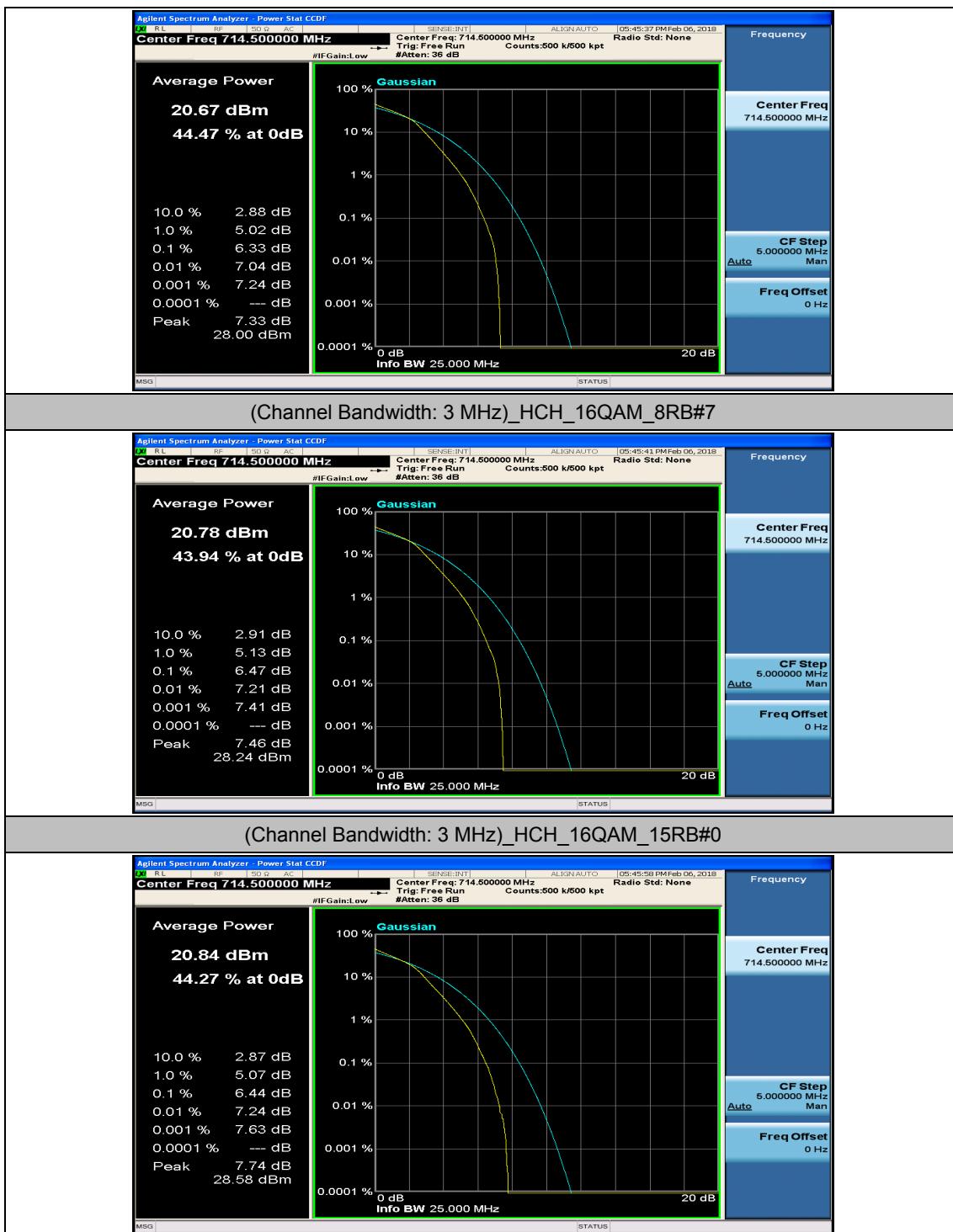


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

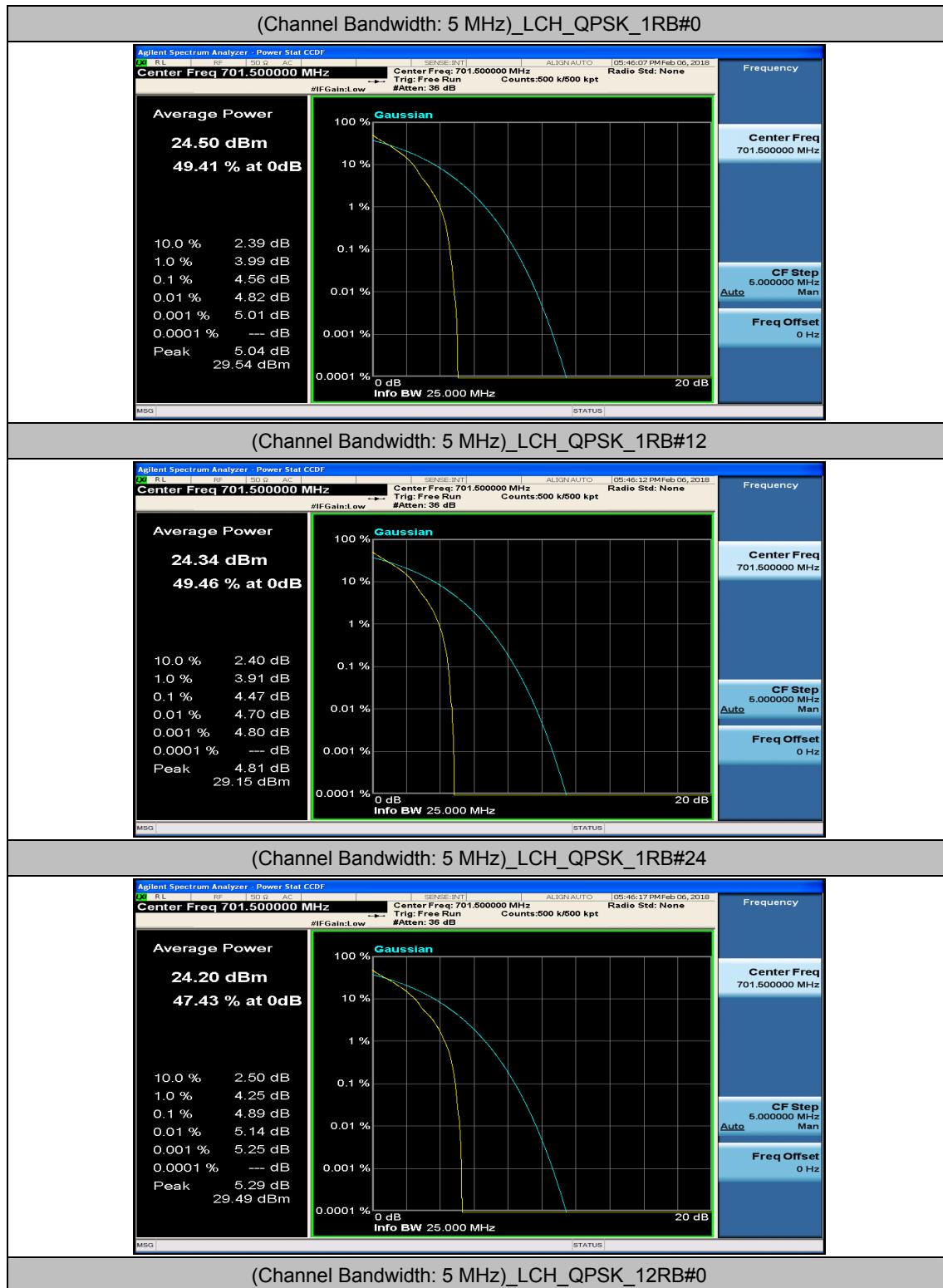


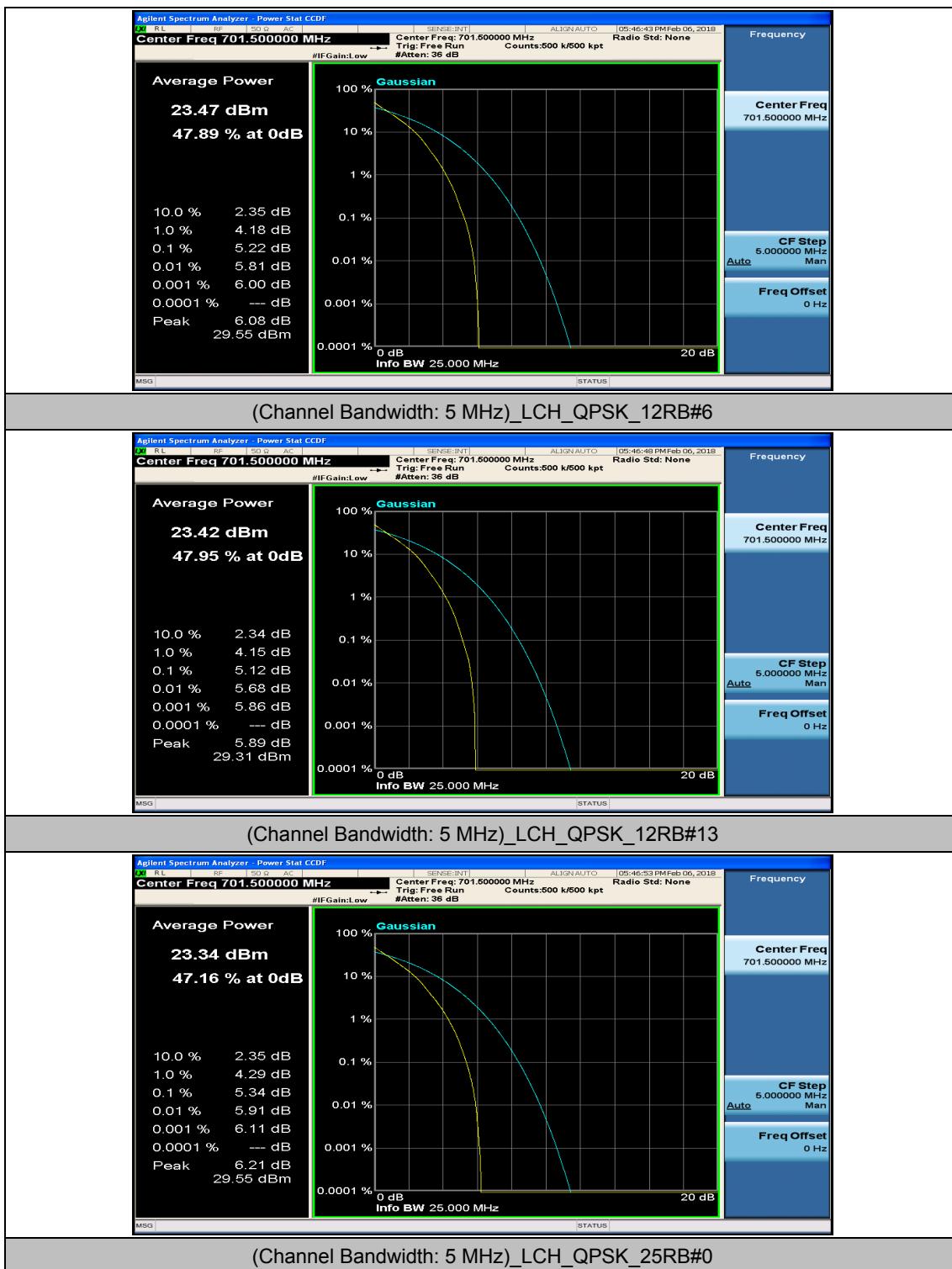


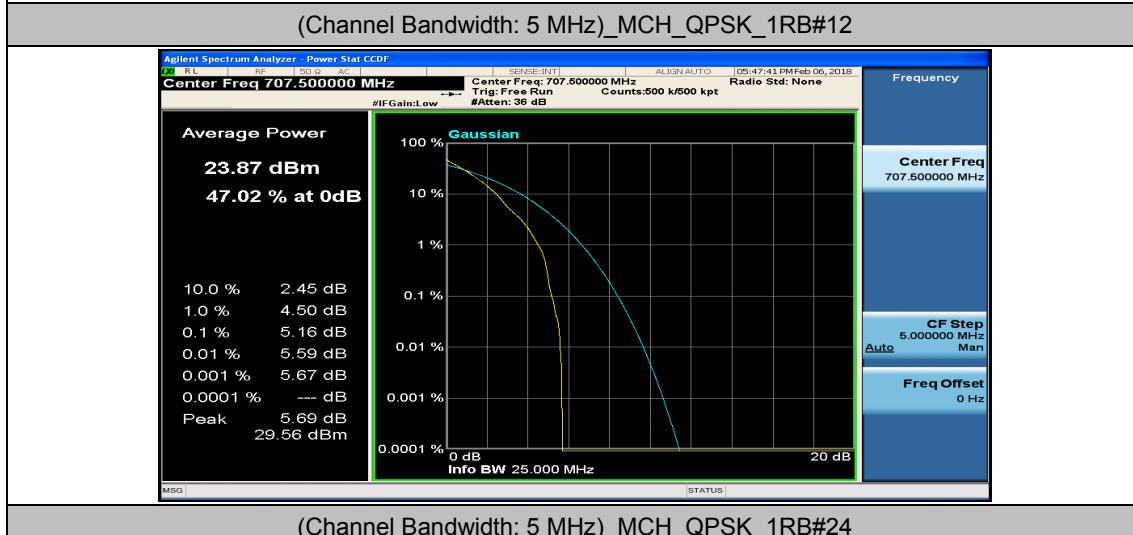
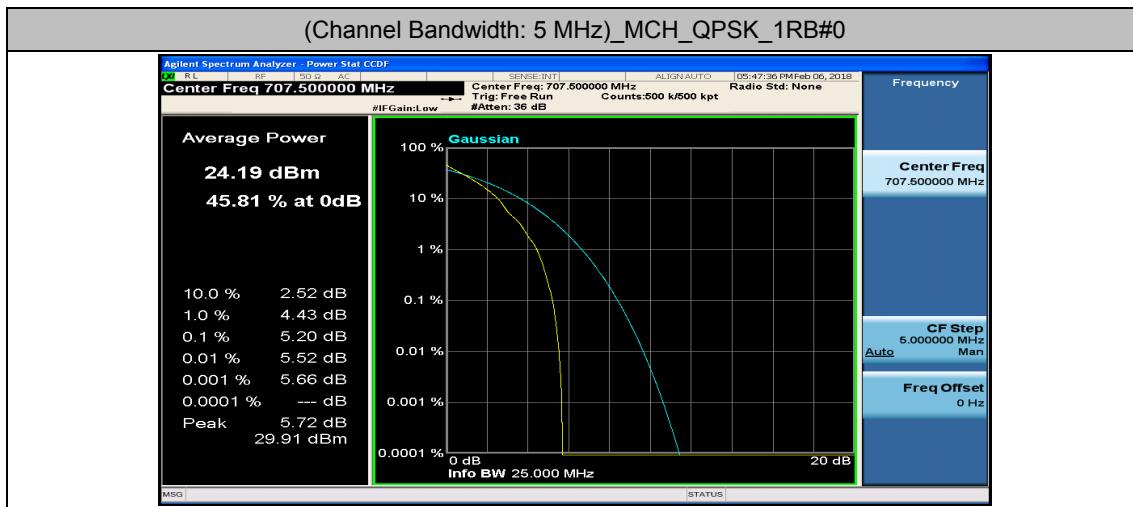
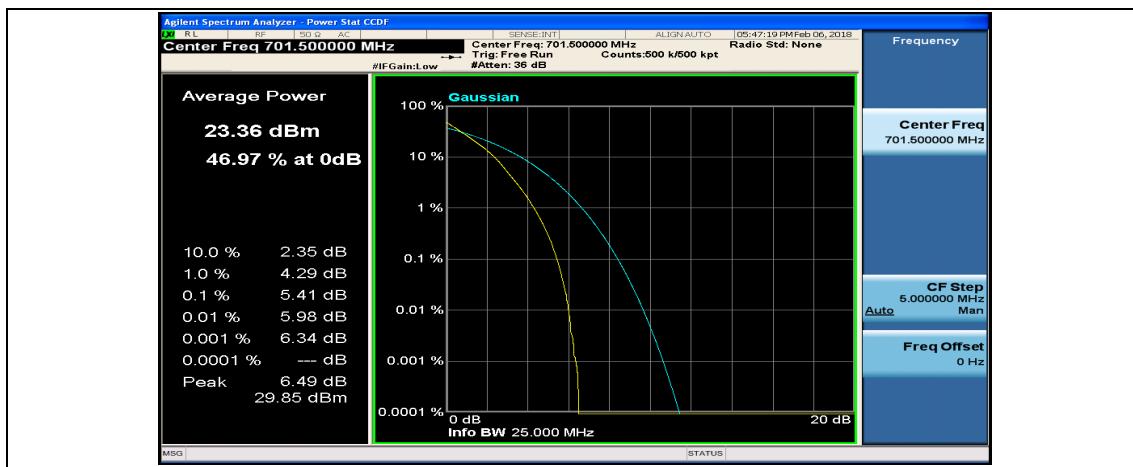




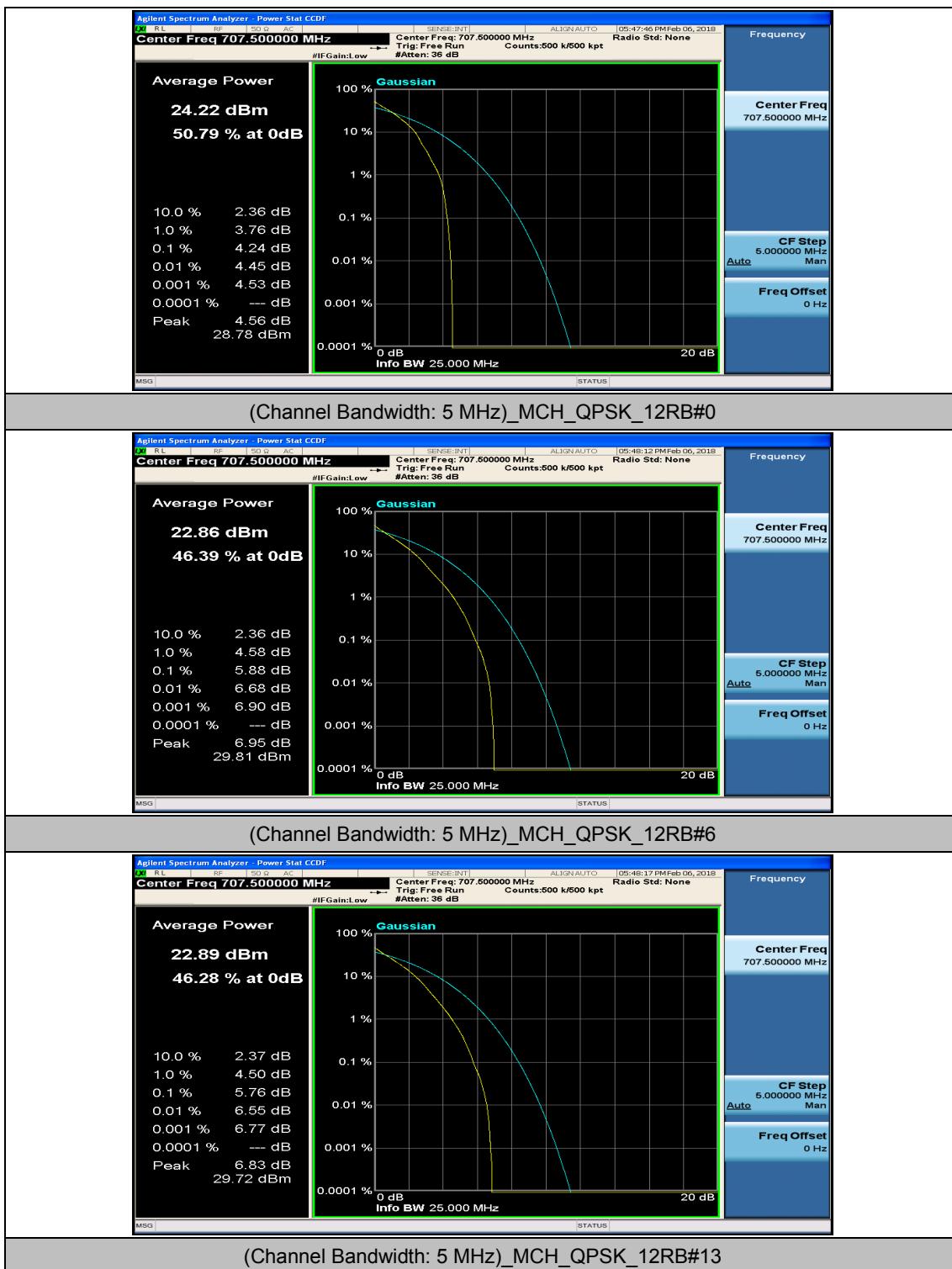
## Channel Bandwidth: 5 MHz

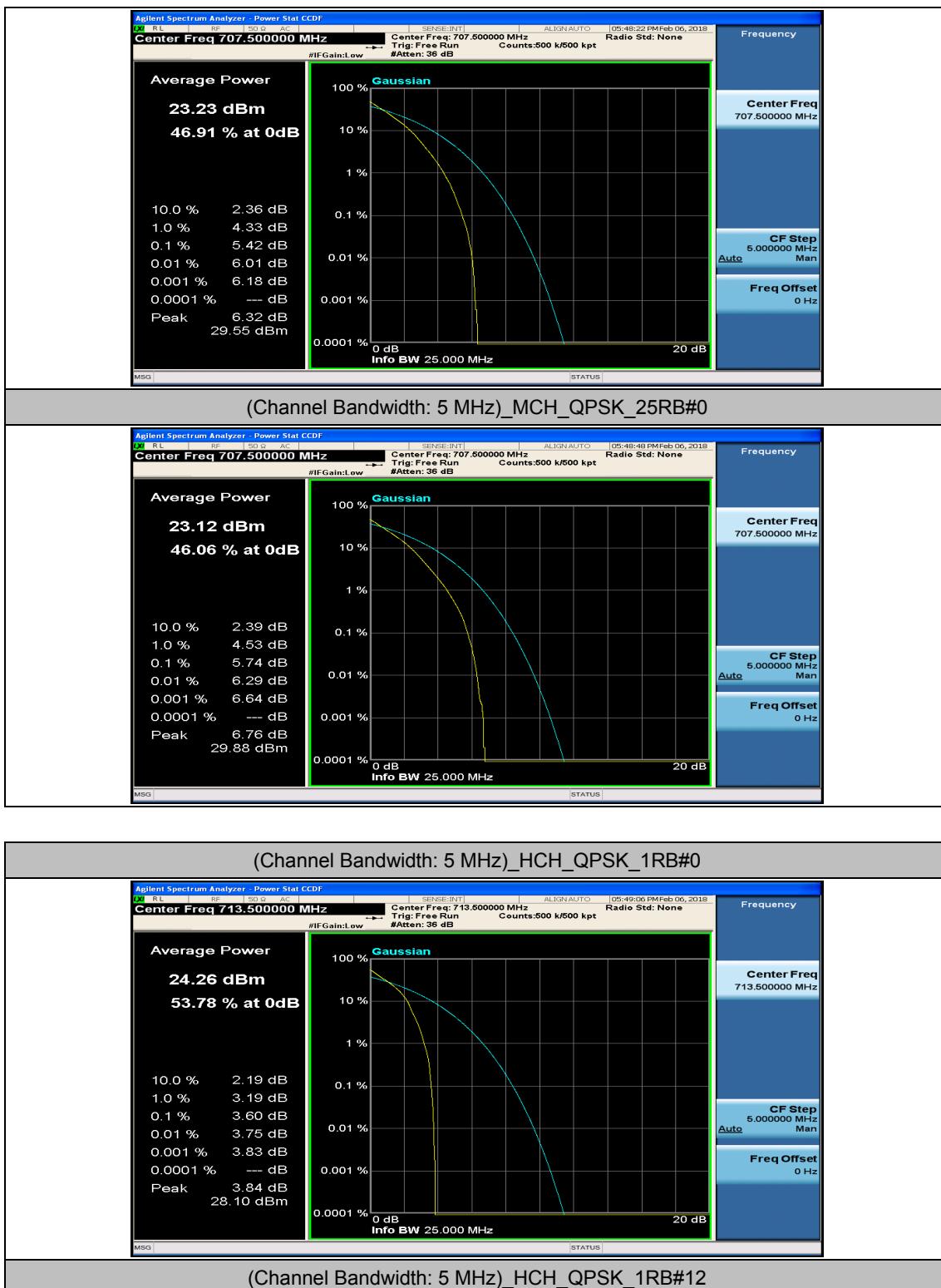


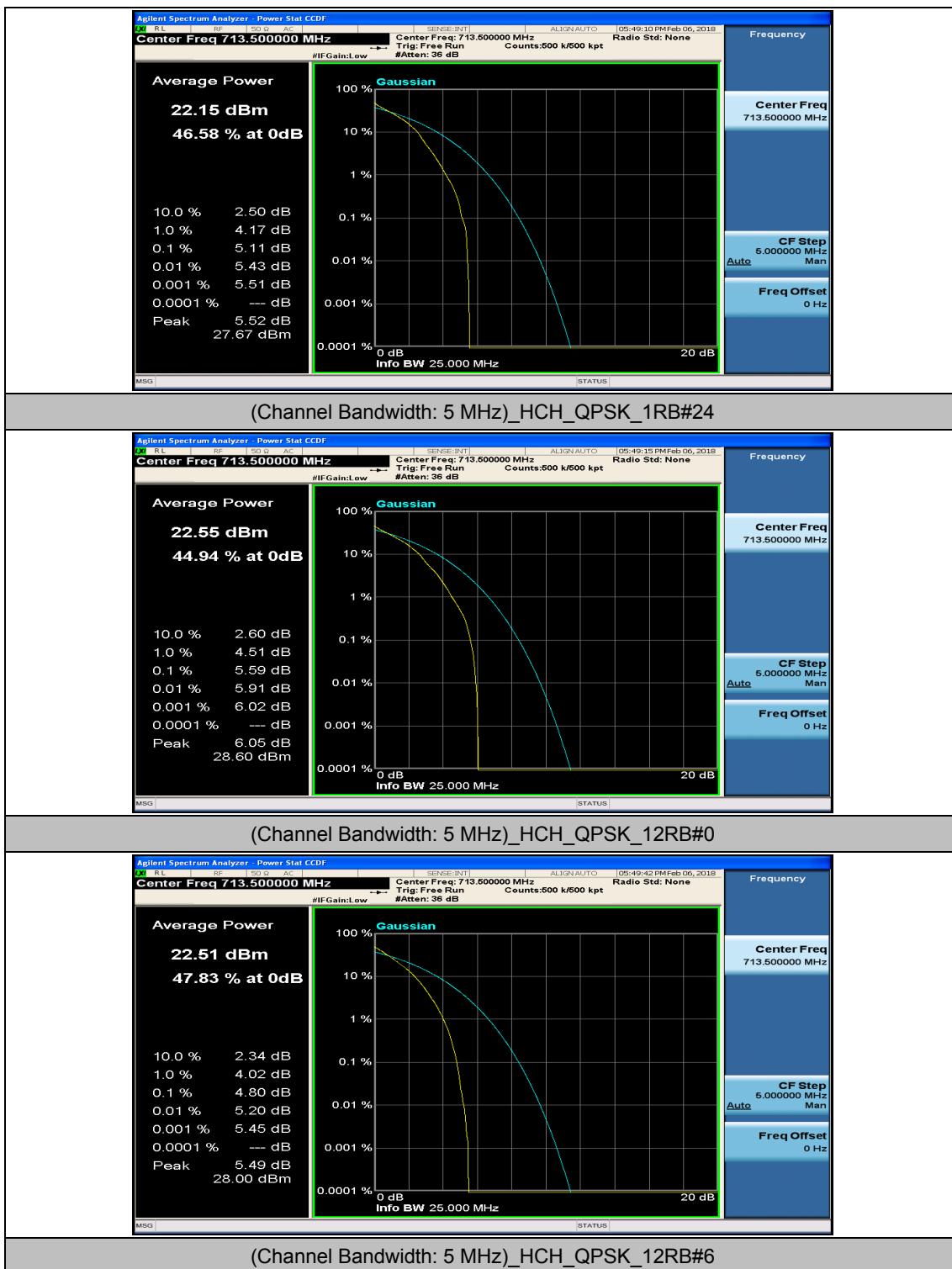


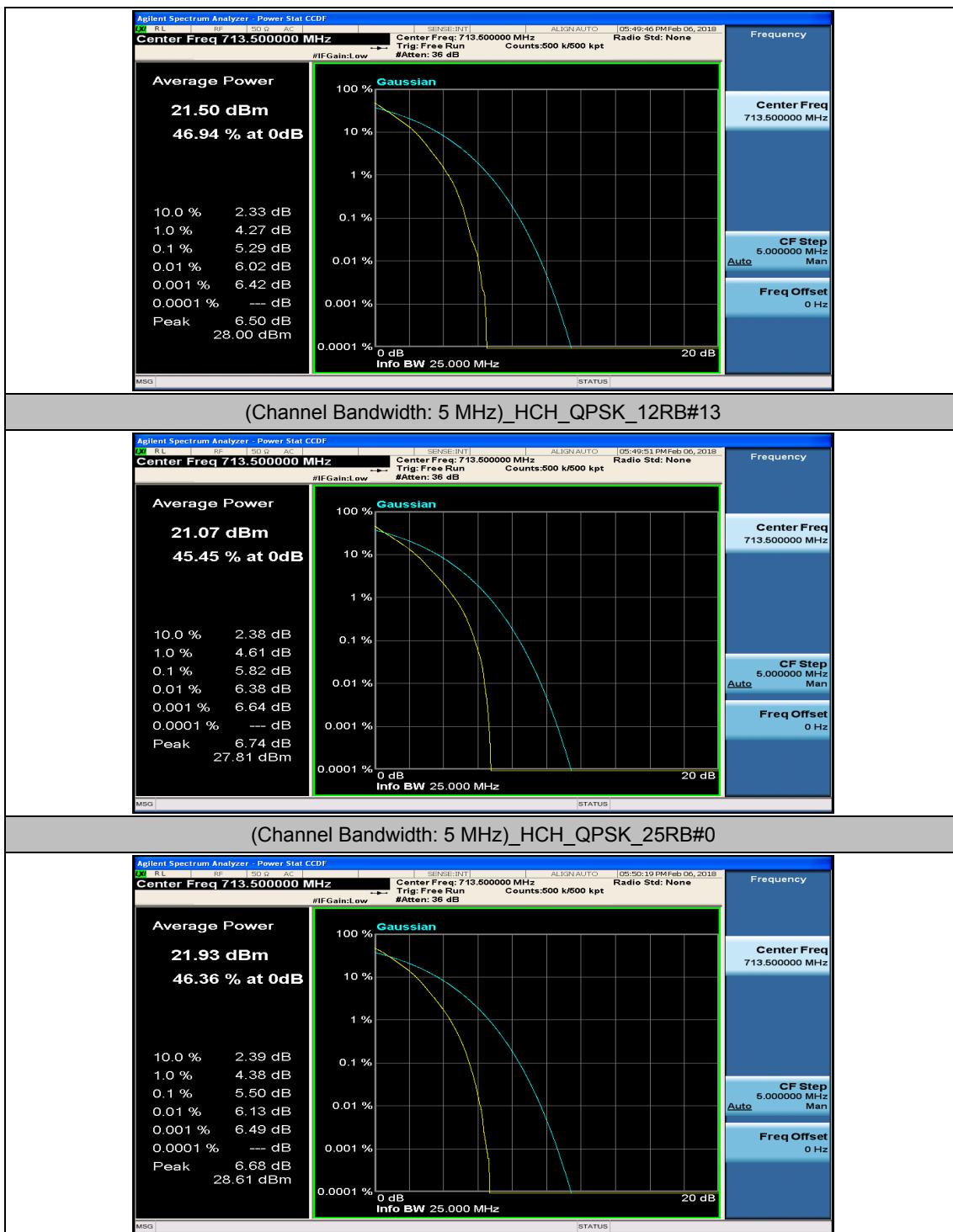


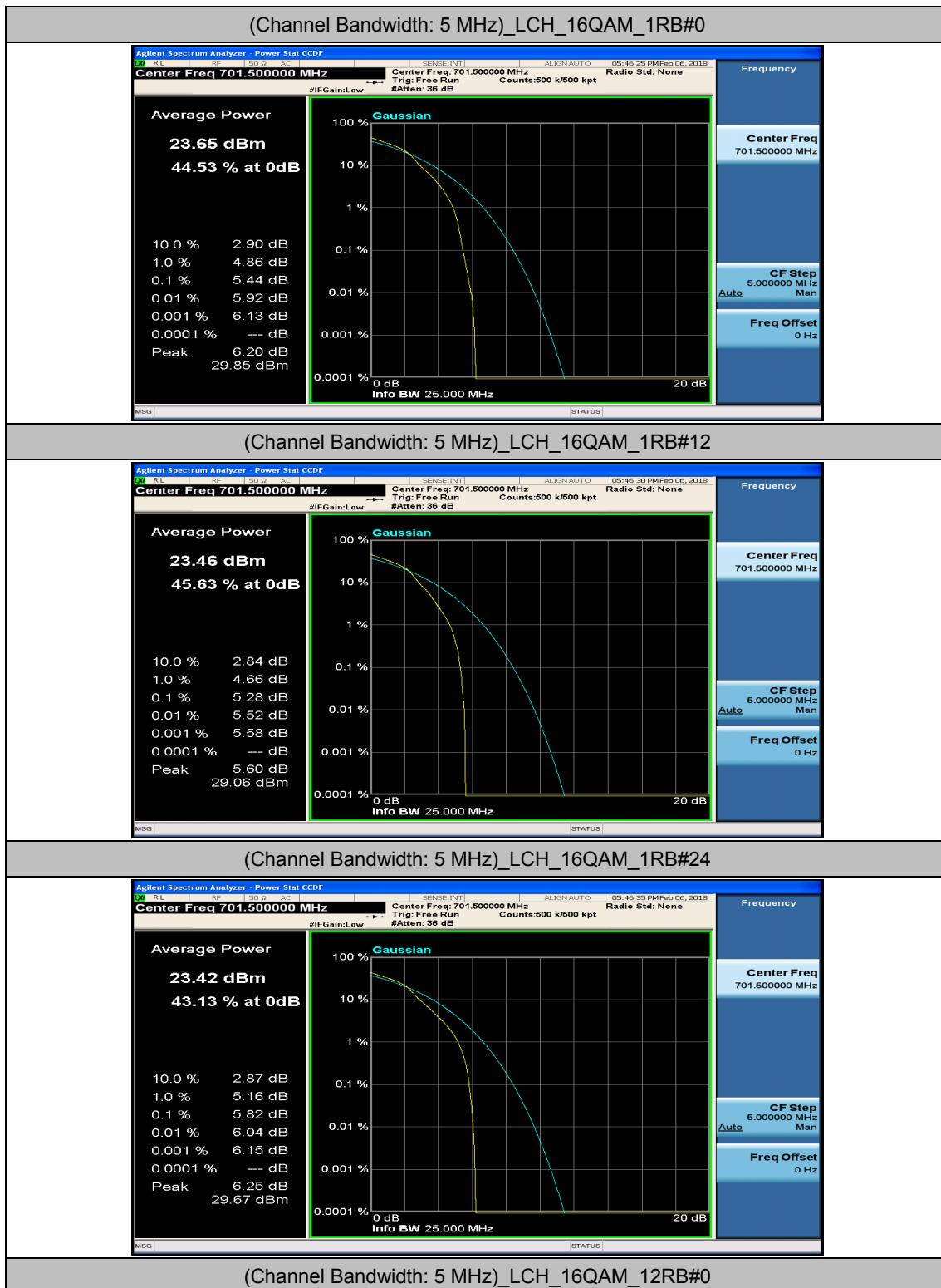
**(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24**

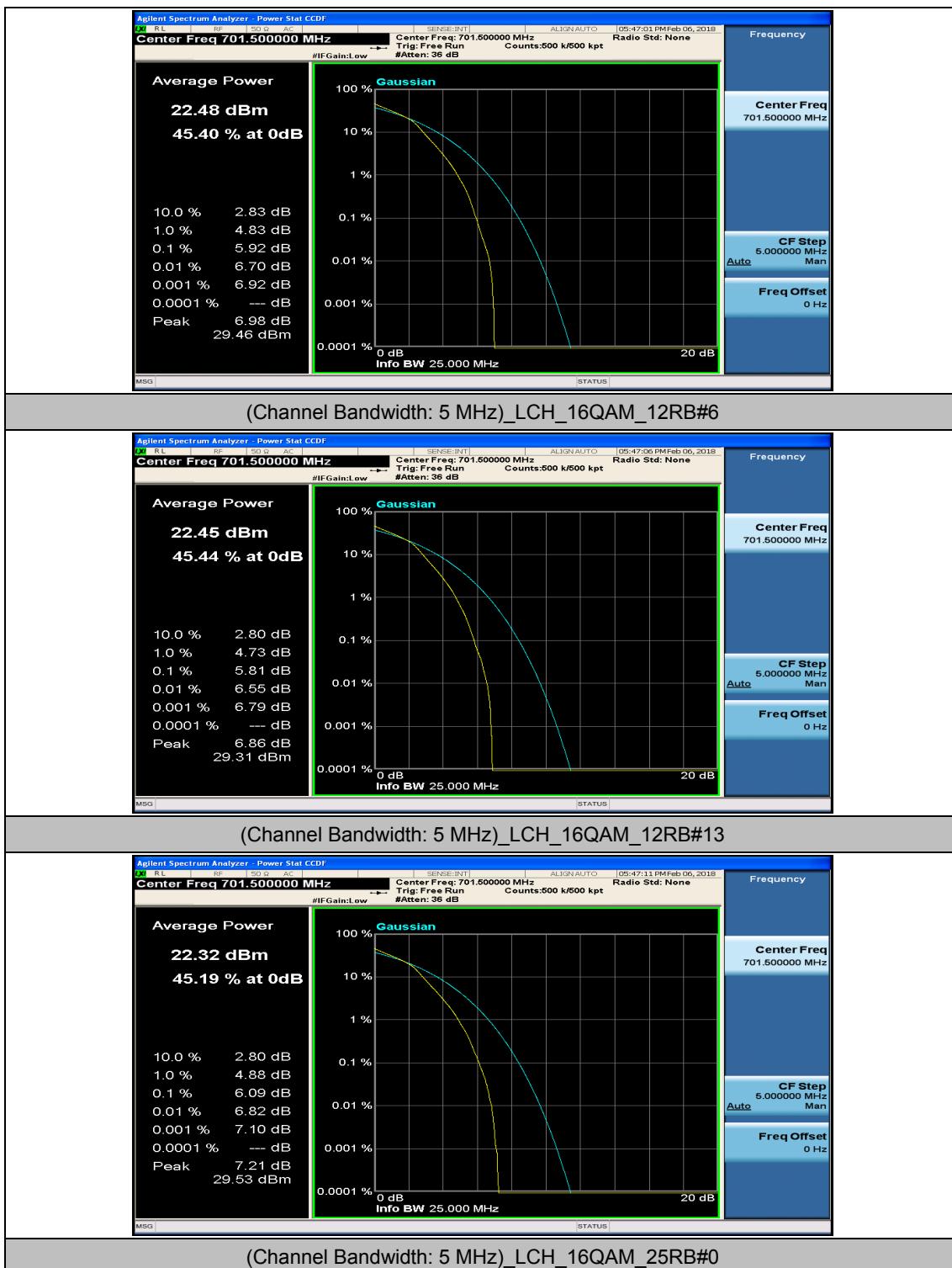


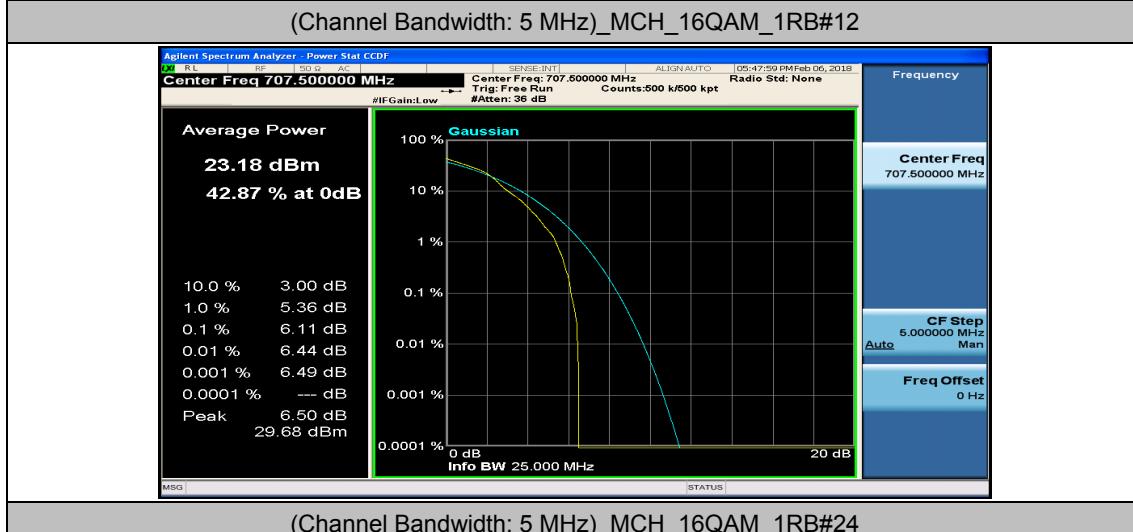
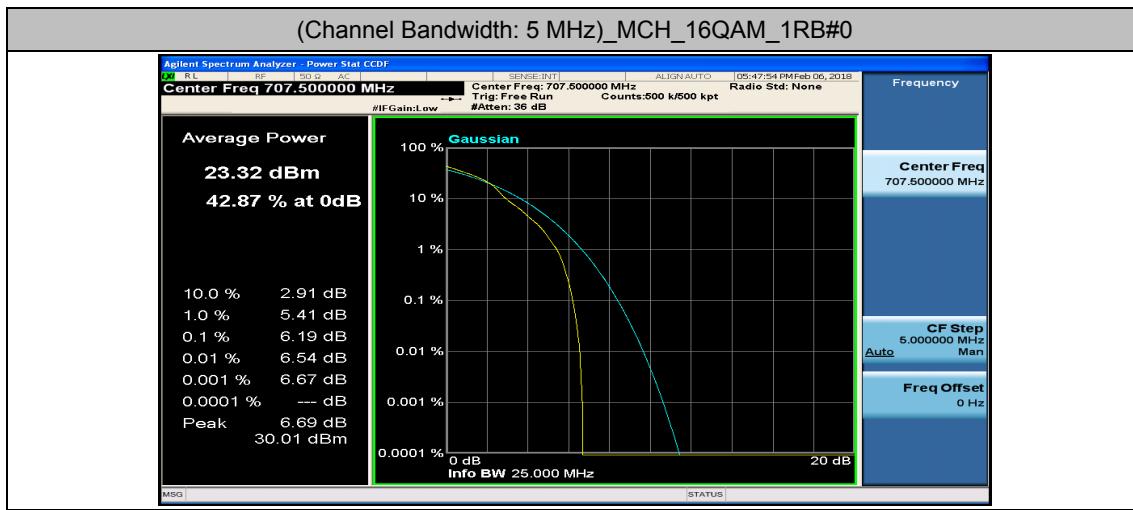
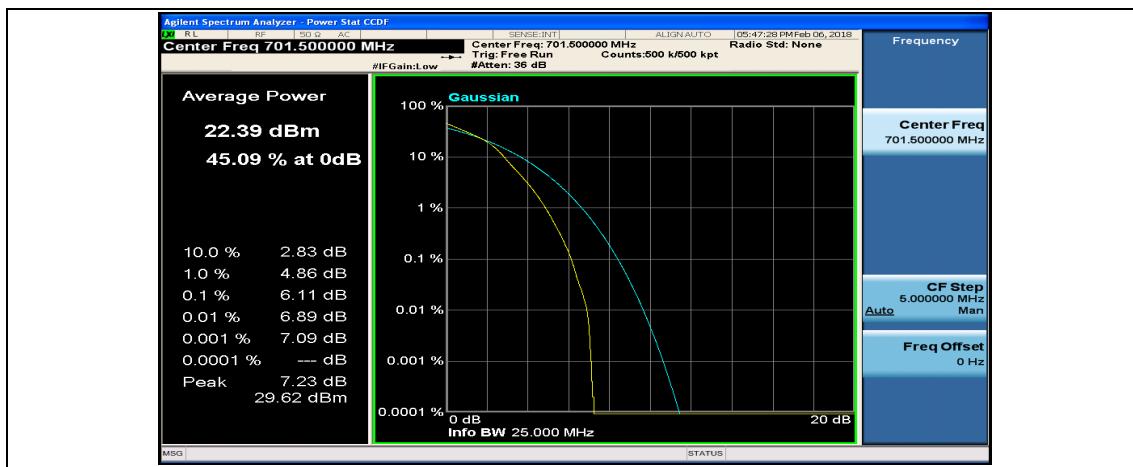










**(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24**

