

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	23.44	PASS
		1	3	23.48	PASS
		1	5	23.43	PASS
		3	0	23.44	PASS
		3	2	23.44	PASS
		3	3	23.44	PASS
		6	0	22.49	PASS
	MCH	1	0	23.24	PASS
		1	3	23.26	PASS
		1	5	23.21	PASS
		3	0	23.25	PASS
		3	2	23.19	PASS
		3	3	23.22	PASS
		6	0	22.30	PASS
16QAM	HCH	1	0	22.86	PASS
		1	3	22.90	PASS
		1	5	22.82	PASS
		3	0	22.91	PASS
		3	2	22.88	PASS
		3	3	22.88	PASS
		6	0	21.96	PASS
	LCH	1	0	22.58	PASS
		1	3	22.72	PASS
		1	5	22.62	PASS
		3	0	22.52	PASS
		3	2	22.49	PASS
		3	3	22.50	PASS
		6	0	21.41	PASS
	MCH	1	0	22.46	PASS
		1	3	22.57	PASS
		1	5	22.44	PASS
		3	0	22.14	PASS
		3	2	22.12	PASS

		3	3	22.15	PASS
		6	0	21.19	PASS
HCH	1	0	22.06	PASS	
	1	3	22.13	PASS	
	1	5	21.97	PASS	
	3	0	21.91	PASS	
	3	2	21.88	PASS	
	3	3	21.88	PASS	
	6	0	21.02	PASS	

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.31	PASS
		1	7	23.42	PASS
		1	14	23.32	PASS
		8	0	22.53	PASS
		8	4	22.52	PASS
		8	7	22.52	PASS
		15	0	22.50	PASS
	MCH	1	0	23.25	PASS
		1	7	23.30	PASS
		1	14	23.19	PASS
		8	0	22.33	PASS
		8	4	22.31	PASS
		8	7	22.29	PASS
		15	0	22.23	PASS
	HCH	1	0	22.95	PASS
		1	7	22.97	PASS
		1	14	22.80	PASS
		8	0	21.99	PASS
		8	4	21.96	PASS
		8	7	21.94	PASS
		15	0	21.94	PASS
16QAM	LCH	1	0	22.58	PASS
		1	7	22.73	PASS
		1	14	22.60	PASS
		8	0	21.54	PASS
		8	4	21.56	PASS
		8	7	21.55	PASS
		15	0	21.46	PASS
	MCH	1	0	22.51	PASS

		1	7	22.55	PASS
		1	14	22.42	PASS
		8	0	21.25	PASS
		8	4	21.25	PASS
		8	7	21.23	PASS
		15	0	21.20	PASS
	HCH	1	0	22.18	PASS
		1	7	22.18	PASS
		1	14	21.95	PASS
		8	0	20.96	PASS
		8	4	20.92	PASS
		8	7	20.87	PASS
		15	0	20.96	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.51	PASS
		1	12	23.58	PASS
		1	24	23.38	PASS
		12	0	22.56	PASS
		12	6	22.53	PASS
		12	13	22.50	PASS
		25	0	22.47	PASS
	MCH	1	0	23.39	PASS
		1	12	23.37	PASS
		1	24	23.19	PASS
		12	0	22.35	PASS
		12	6	22.31	PASS
		12	13	22.27	PASS
		25	0	22.24	PASS
	HCH	1	0	23.20	PASS
		1	12	23.14	PASS
		1	24	22.92	PASS
		12	0	22.11	PASS
		12	6	22.07	PASS
		12	13	21.99	PASS
		25	0	22.01	PASS
16QAM	LCH	1	0	22.71	PASS
		1	12	22.82	PASS
		1	24	22.62	PASS
		12	0	21.60	PASS

		12	6	21.57	PASS
		12	13	21.54	PASS
		25	0	21.48	PASS
MCH		1	0	22.55	PASS
		1	12	22.50	PASS
		1	24	22.35	PASS
		12	0	21.43	PASS
		12	6	21.39	PASS
		12	13	21.36	PASS
		25	0	21.24	PASS
HCH		1	0	22.32	PASS
		1	12	22.32	PASS
		1	24	22.03	PASS
		12	0	21.11	PASS
		12	6	21.06	PASS
		12	13	20.99	PASS
		25	0	21.05	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.41	PASS
		1	24	23.32	PASS
		1	49	23.20	PASS
		25	0	22.49	PASS
		25	12	22.42	PASS
		25	25	22.34	PASS
		50	0	22.41	PASS
	MCH	1	0	23.42	PASS
		1	24	23.25	PASS
		1	49	23.05	PASS
		25	0	22.37	PASS
		25	12	22.28	PASS
		25	25	22.17	PASS
		50	0	22.28	PASS
	HCH	1	0	23.32	PASS
		1	24	23.11	PASS
		1	49	22.88	PASS
		25	0	22.23	PASS
		25	12	22.15	PASS
		25	25	22.01	PASS
		50	0	22.14	PASS

16QAM	LCH	1	0	22.67	PASS
		1	24	22.59	PASS
		1	49	22.40	PASS
		25	0	21.50	PASS
		25	12	21.41	PASS
		25	25	21.32	PASS
		50	0	21.40	PASS
	MCH	1	0	22.74	PASS
		1	24	22.54	PASS
		1	49	22.40	PASS
		25	0	21.37	PASS
		25	12	21.28	PASS
		25	25	21.19	PASS
		50	0	21.31	PASS
	HCH	1	0	22.45	PASS
		1	24	22.32	PASS
		1	49	22.05	PASS
		25	0	21.21	PASS
		25	12	21.13	PASS
		25	25	21.05	PASS
		50	0	21.16	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	3.60	<13	PASS
		1	3	3.59	<13	PASS
		1	5	3.62	<13	PASS
		3	0	3.71	<13	PASS
		3	2	3.80	<13	PASS
		3	3	3.79	<13	PASS
		6	0	4.72	<13	PASS
	MCH	1	0	3.38	<13	PASS
		1	3	3.39	<13	PASS
		1	5	3.43	<13	PASS
		3	0	3.37	<13	PASS
		3	2	3.41	<13	PASS
		3	3	3.37	<13	PASS
		6	0	4.26	<13	PASS
16QAM	LCH	1	0	3.88	<13	PASS
		1	3	3.50	<13	PASS
		1	5	3.49	<13	PASS
		3	0	3.78	<13	PASS
		3	2	3.57	<13	PASS
		3	3	3.52	<13	PASS
		6	0	4.64	<13	PASS
	MCH	1	0	4.72	<13	PASS
		1	3	4.76	<13	PASS
		1	5	4.83	<13	PASS
		3	0	4.66	<13	PASS
		3	2	4.72	<13	PASS
		3	3	4.71	<13	PASS
		6	0	5.60	<13	PASS

		3	3	4.17	<13	PASS
		6	0	5.12	<13	PASS
HCH	1	0	4.90	<13	PASS	
	1	3	4.65	<13	PASS	
	1	5	4.56	<13	PASS	
	3	0	4.80	<13	PASS	
	3	2	4.60	<13	PASS	
	3	3	4.52	<13	PASS	
	6	0	5.50	<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	3.69	<13	PASS
		1	7	3.75	<13	PASS
		1	14	3.85	<13	PASS
		8	0	4.77	<13	PASS
		8	4	4.78	<13	PASS
		8	7	4.84	<13	PASS
		15	0	4.91	<13	PASS
	MCH	1	0	3.43	<13	PASS
		1	7	3.32	<13	PASS
		1	14	3.38	<13	PASS
		8	0	4.36	<13	PASS
		8	4	4.32	<13	PASS
		8	7	4.28	<13	PASS
		15	0	4.46	<13	PASS
	HCH	1	0	4.00	<13	PASS
		1	7	3.80	<13	PASS
		1	14	3.42	<13	PASS
		8	0	4.96	<13	PASS
		8	4	4.88	<13	PASS
		8	7	4.66	<13	PASS
		15	0	4.90	<13	PASS
16QAM	LCH	1	0	4.78	<13	PASS
		1	7	4.90	<13	PASS
		1	14	4.99	<13	PASS
		8	0	5.52	<13	PASS
		8	4	5.56	<13	PASS
		8	7	5.66	<13	PASS

		15	0	5.80	<13	PASS
MCH	1	0		4.66	<13	PASS
	1	7		4.42	<13	PASS
	1	14		4.64	<13	PASS
	8	0		5.17	<13	PASS
	8	4		5.14	<13	PASS
	8	7		5.18	<13	PASS
	15	0		5.31	<13	PASS
HCH	1	0		5.10	<13	PASS
	1	7		4.91	<13	PASS
	1	14		4.60	<13	PASS
	8	0		5.93	<13	PASS
	8	4		5.80	<13	PASS
	8	7		5.62	<13	PASS
	15	0		5.80	<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	3.72	<13	PASS
		1	12	3.89	<13	PASS
		1	24	3.81	<13	PASS
		12	0	4.88	<13	PASS
		12	6	4.91	<13	PASS
		12	13	4.93	<13	PASS
		25	0	5.00	<13	PASS
QPSK	MCH	1	0	3.69	<13	PASS
		1	12	3.36	<13	PASS
		1	24	3.60	<13	PASS
		12	0	4.49	<13	PASS
		12	6	4.28	<13	PASS
		12	13	4.36	<13	PASS
		25	0	4.57	<13	PASS
QPSK	HCH	1	0	3.79	<13	PASS
		1	12	3.95	<13	PASS
		1	24	3.47	<13	PASS
		12	0	4.97	<13	PASS
		12	6	5.04	<13	PASS
		12	13	4.80	<13	PASS
		25	0	5.04	<13	PASS

16QAM	LCH	1	0	4.72	<13	PASS
		1	12	4.91	<13	PASS
		1	24	4.88	<13	PASS
		12	0	5.77	<13	PASS
		12	6	5.78	<13	PASS
		12	13	5.75	<13	PASS
		25	0	5.77	<13	PASS
	MCH	1	0	4.77	<13	PASS
		1	12	4.37	<13	PASS
		1	24	4.67	<13	PASS
		12	0	5.35	<13	PASS
		12	6	5.17	<13	PASS
		12	13	5.24	<13	PASS
		25	0	5.45	<13	PASS
	HCH	1	0	4.62	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.45	<13	PASS
		12	0	5.82	<13	PASS
		12	6	5.83	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.85	<13	PASS

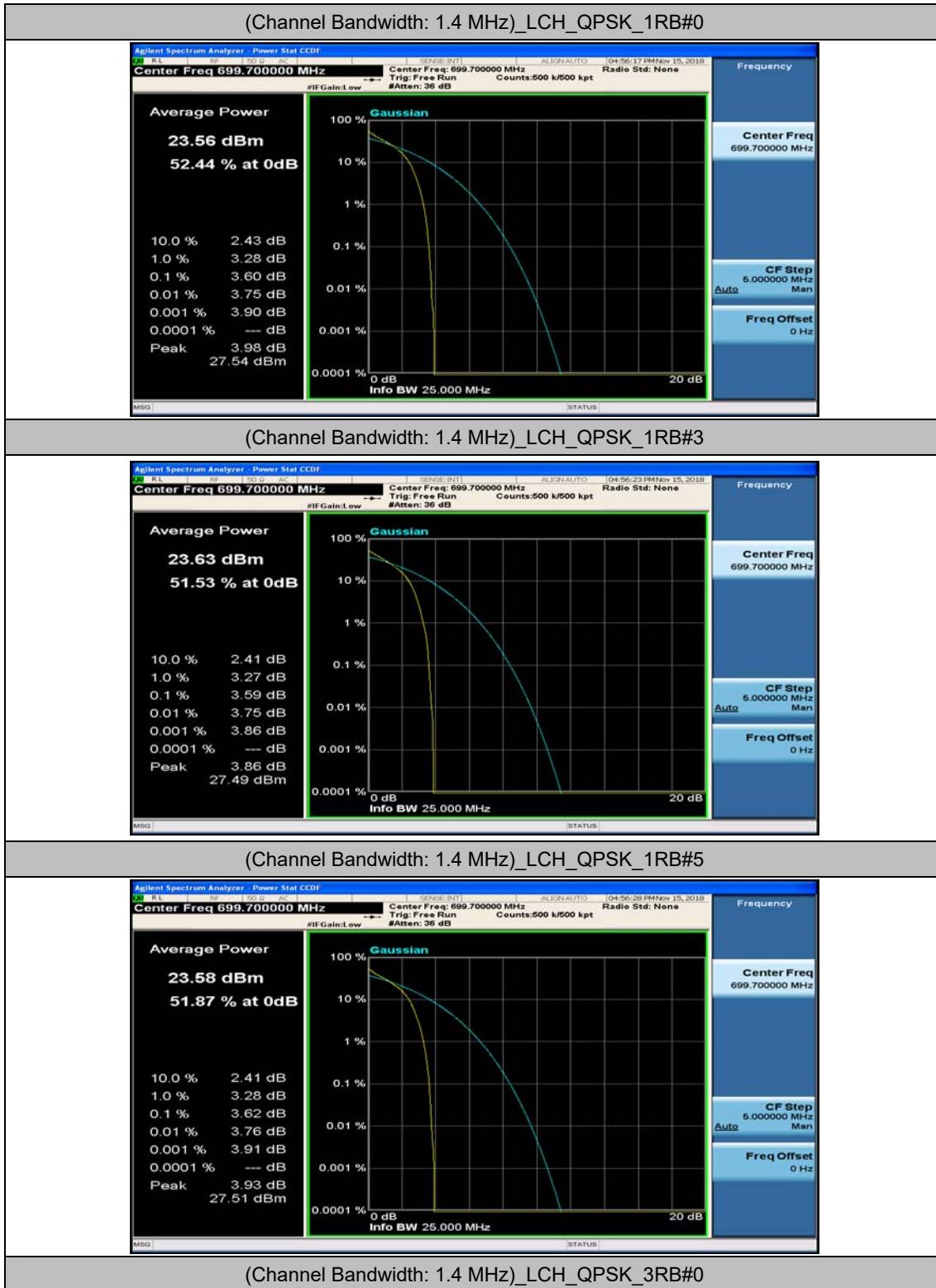
Channel Bandwidth: 10 MHz

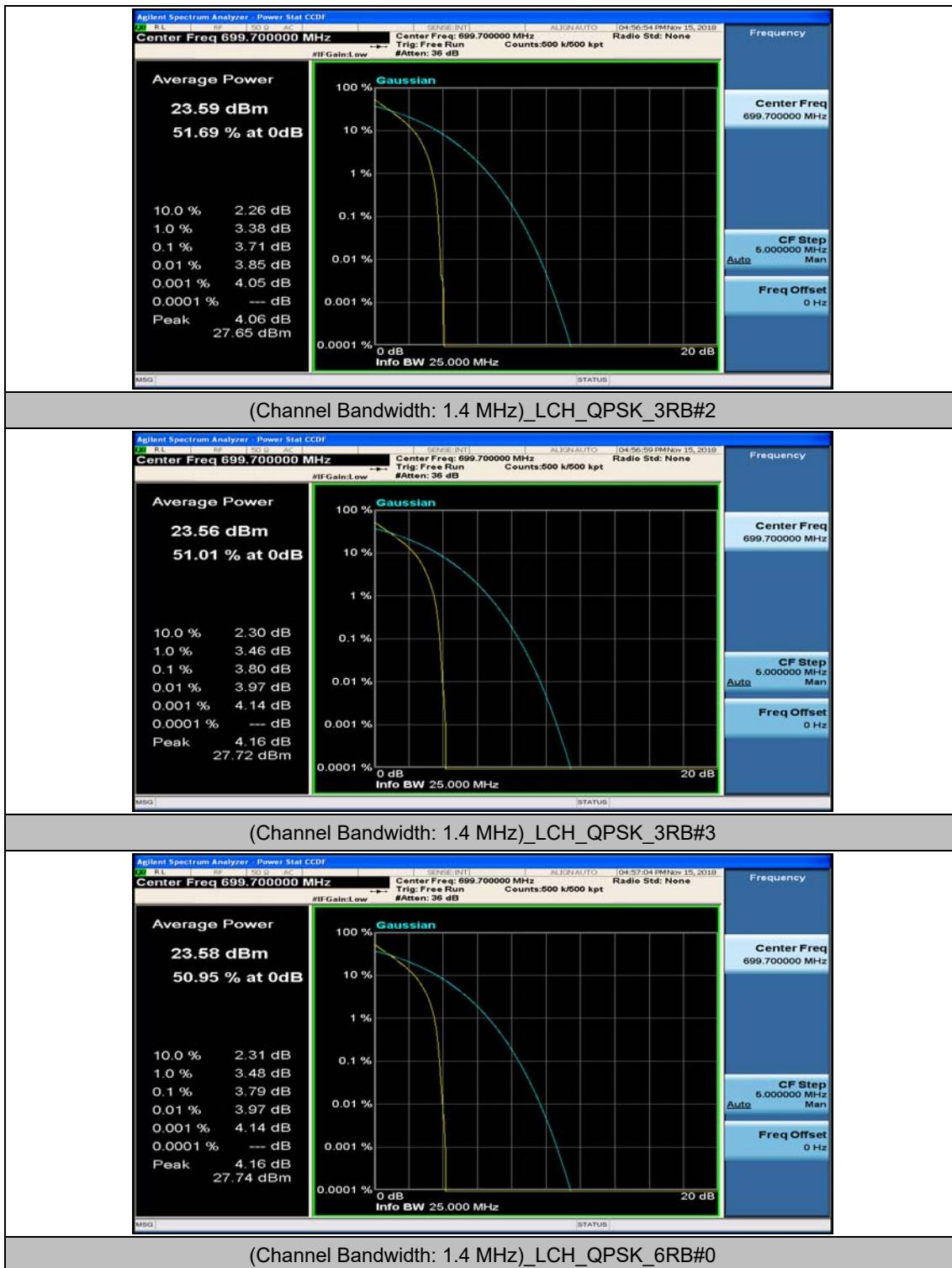
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
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		1	24	3.69	<13	PASS
		1	49	3.37	<13	PASS
		25	0	4.96	<13	PASS
		25	12	4.86	<13	PASS
		25	25	4.63	<13	PASS
		50	0	4.85	<13	PASS
	MCH	1	0	3.69	<13	PASS
		1	24	3.27	<13	PASS
		1	49	3.81	<13	PASS
		25	0	4.69	<13	PASS
		25	12	4.57	<13	PASS
		25	25	4.63	<13	PASS
		50	0	4.9	<13	PASS
	HCH	1	0	3.39	<13	PASS

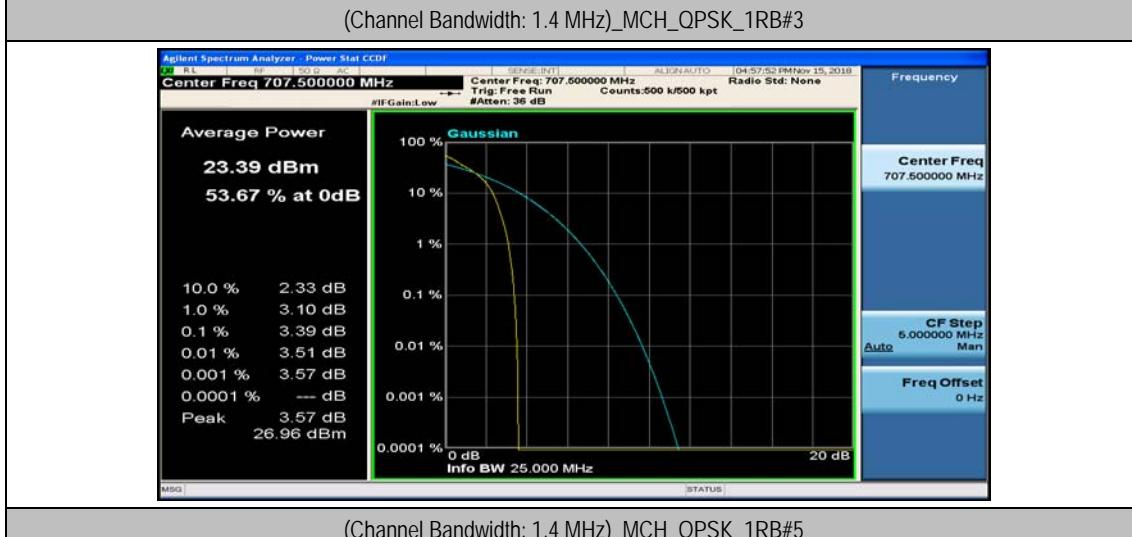
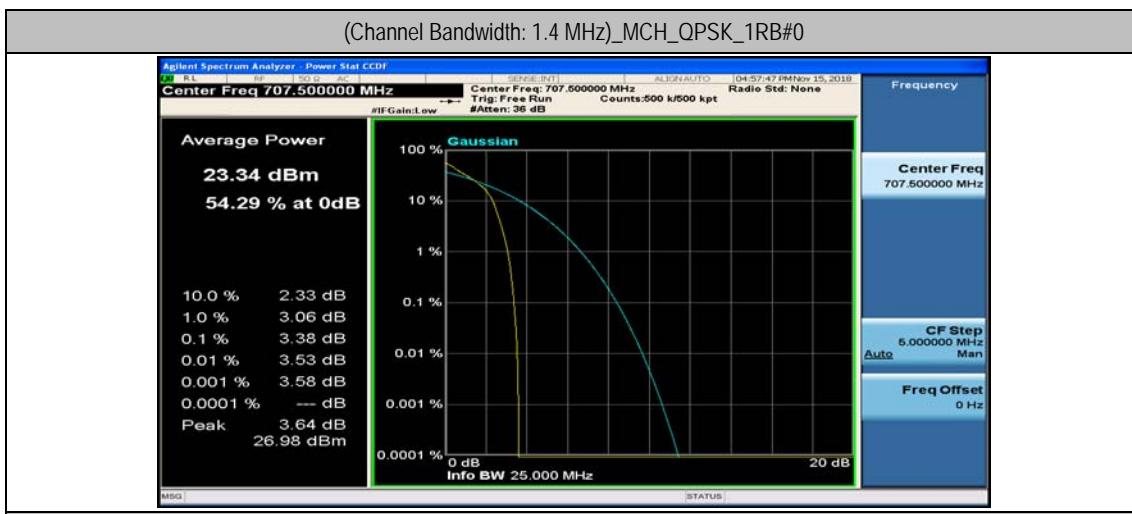
		1	24	3.64	<13	PASS
		1	49	3.48	<13	PASS
		25	0	4.46	<13	PASS
		25	12	4.72	<13	PASS
		25	25	4.96	<13	PASS
		50	0	4.91	<13	PASS
16QAM	LCH	1	0	4.81	<13	PASS
		1	24	4.78	<13	PASS
		1	49	4.43	<13	PASS
		25	0	5.81	<13	PASS
		25	12	5.80	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.68	<13	PASS
	MCH	1	0	4.80	<13	PASS
		1	24	4.39	<13	PASS
		1	49	4.94	<13	PASS
		25	0	5.56	<13	PASS
		25	12	5.44	<13	PASS
		25	25	5.5	<13	PASS
		50	0	5.69	<13	PASS
	HCH	1	0	4.54	<13	PASS
		1	24	4.70	<13	PASS
		1	49	4.65	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.67	<13	PASS
		25	25	5.86	<13	PASS
		50	0	5.75	<13	PASS

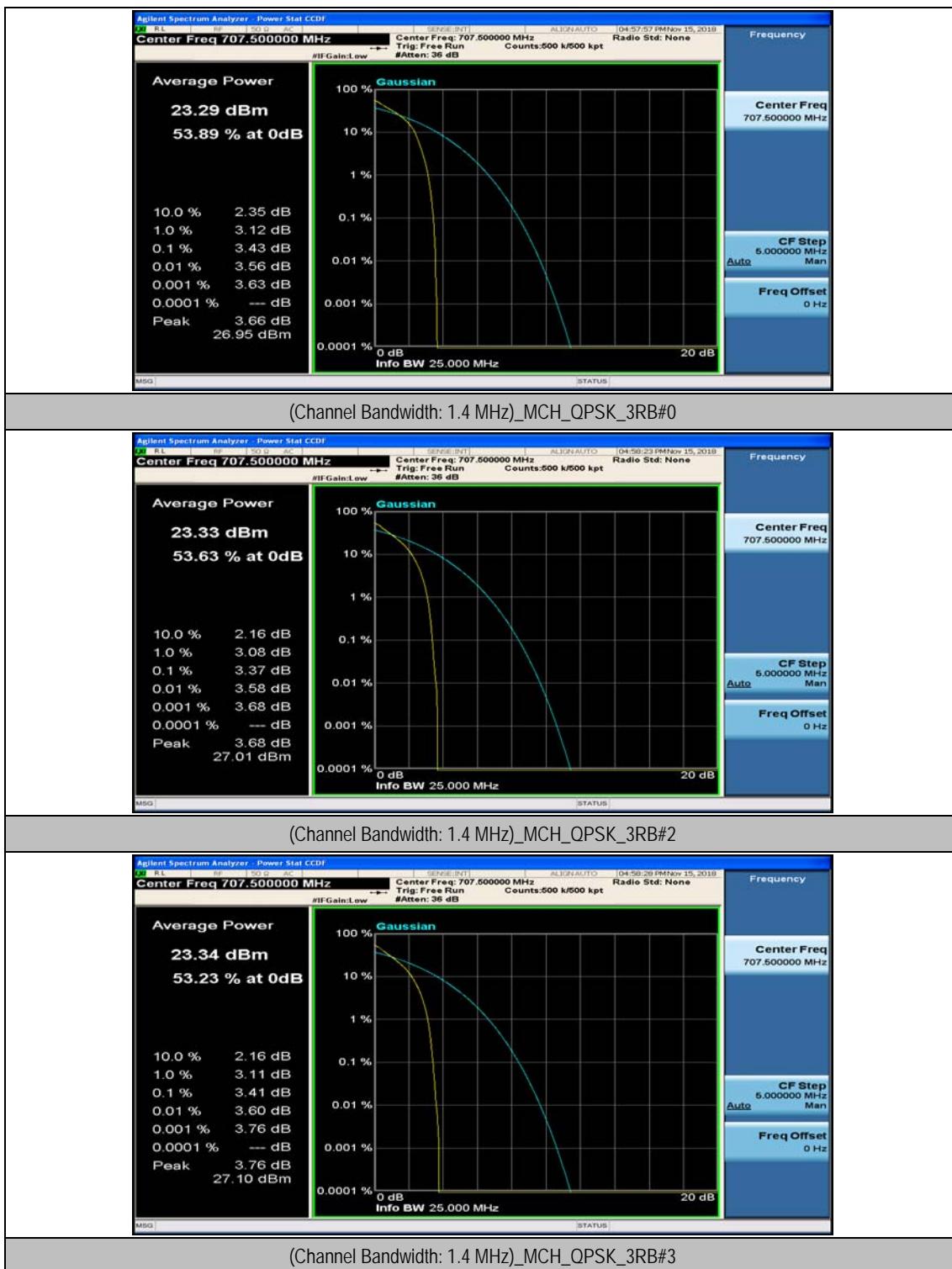
Test Graphs

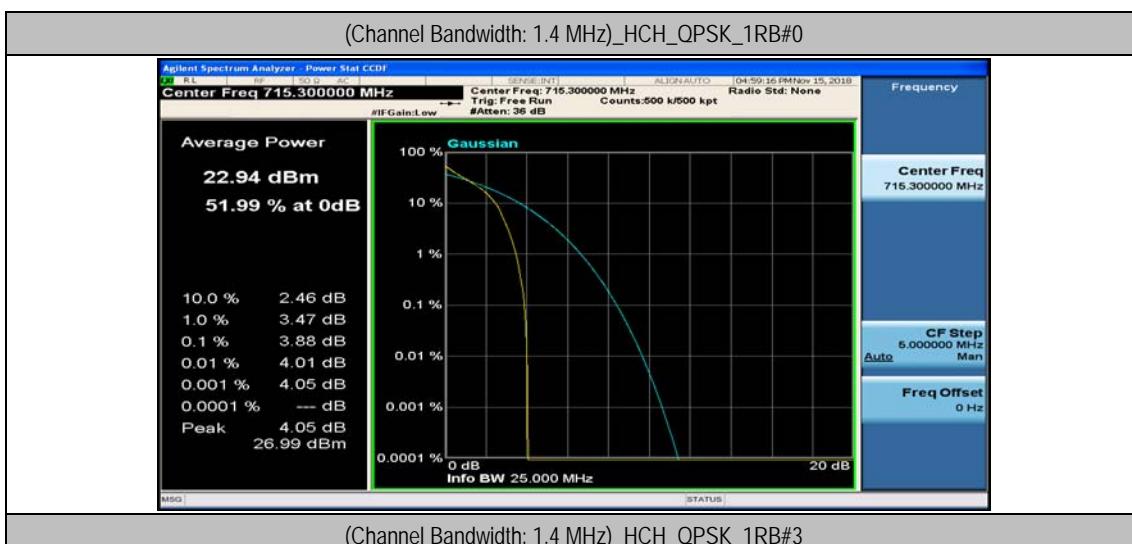
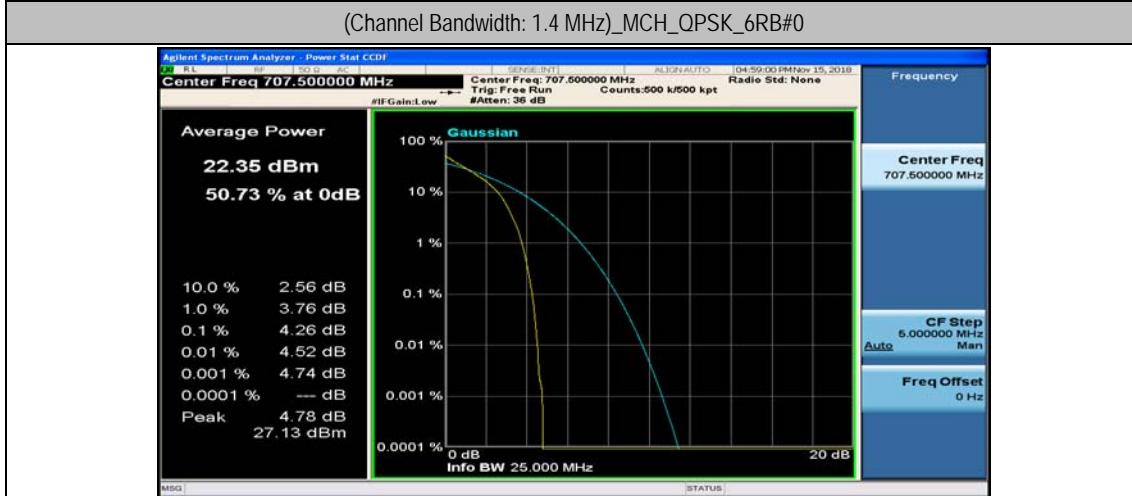
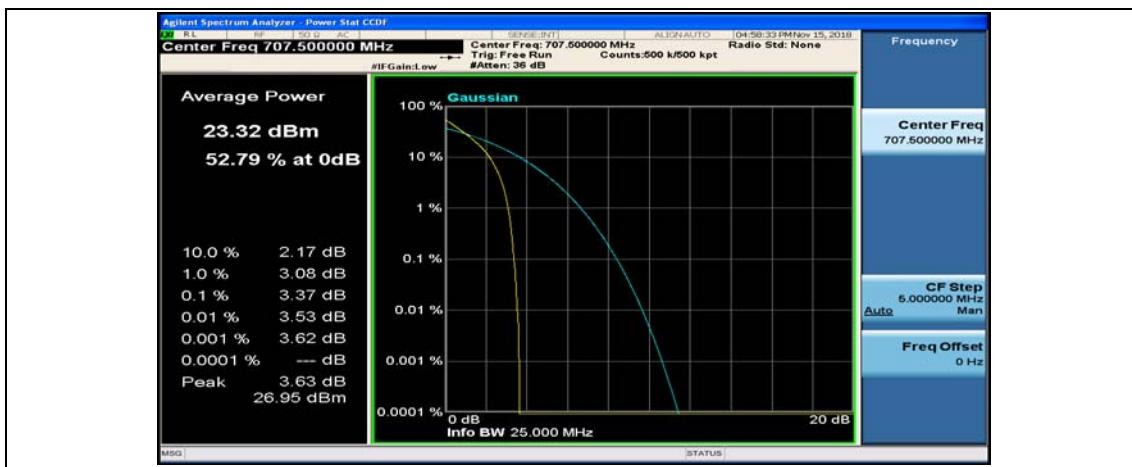
Channel Bandwidth: 1.4 MHz

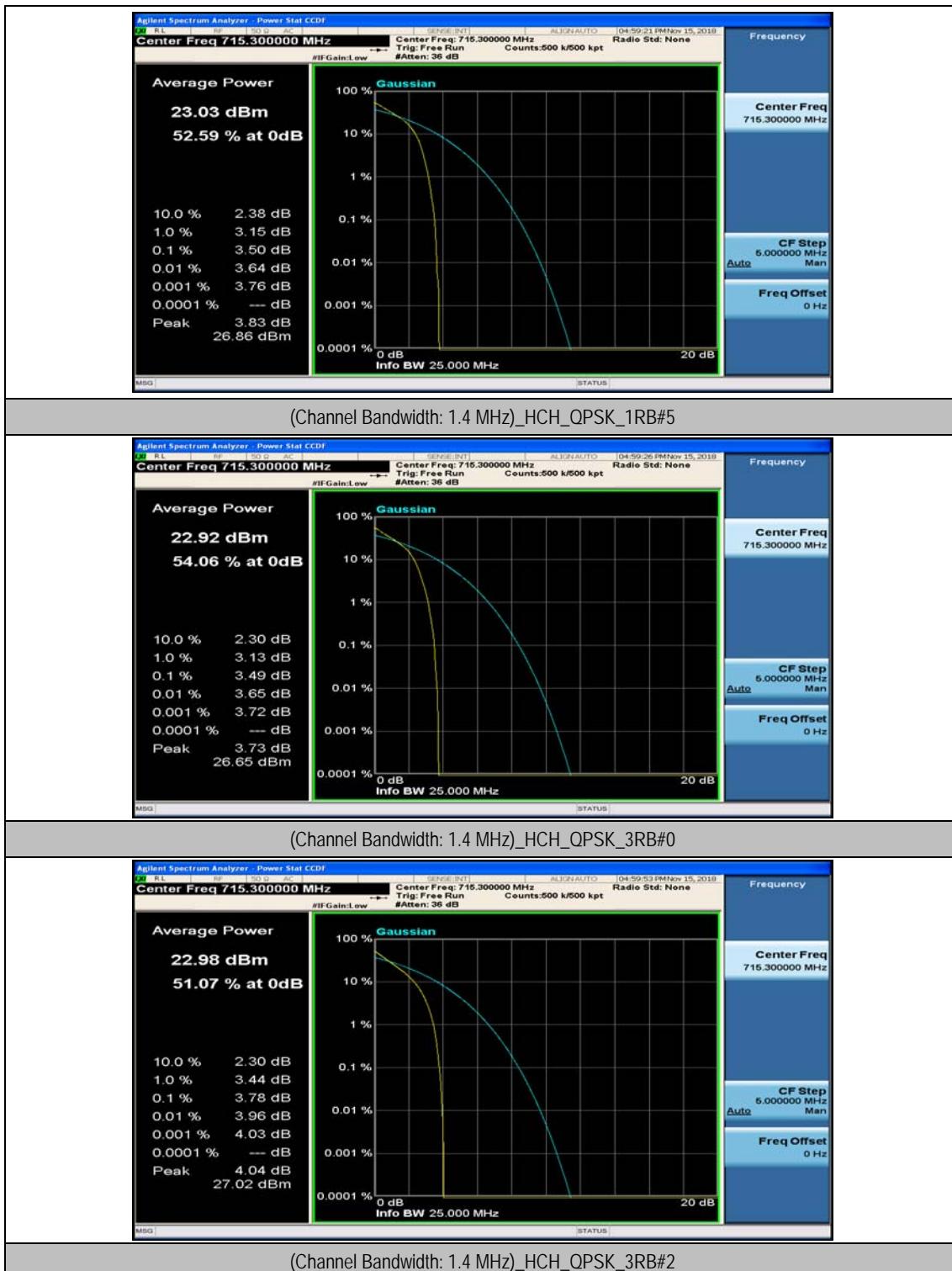


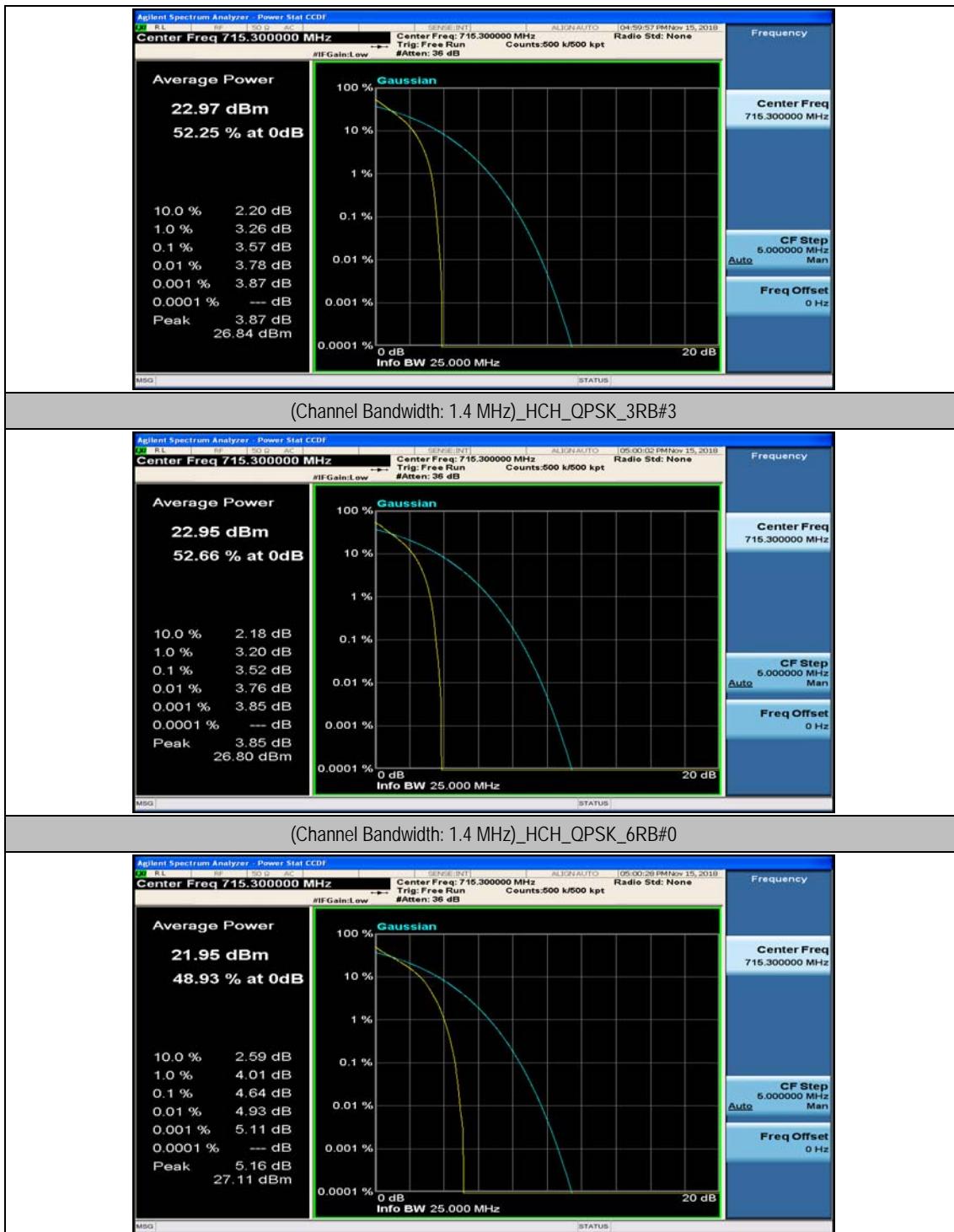


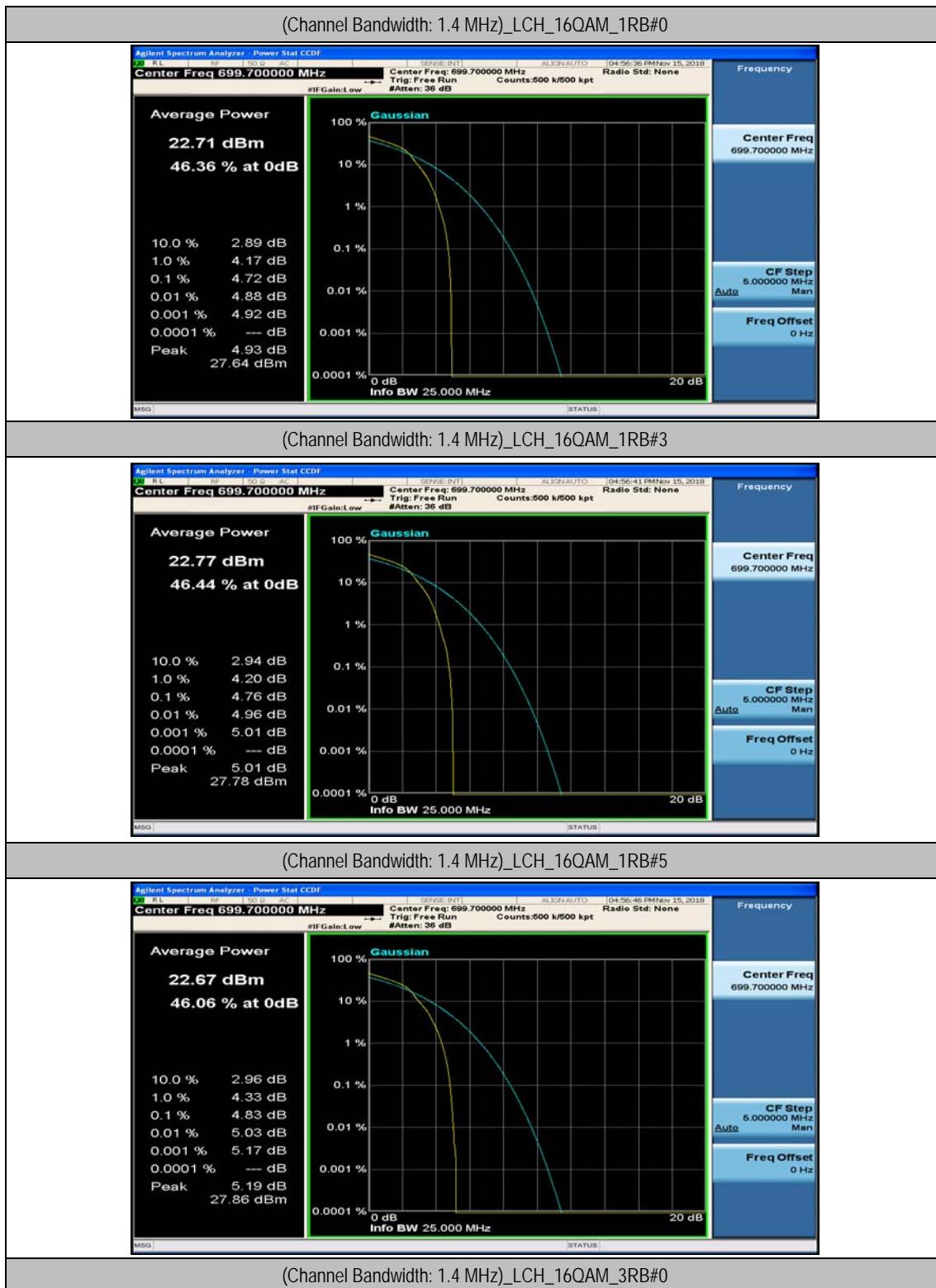


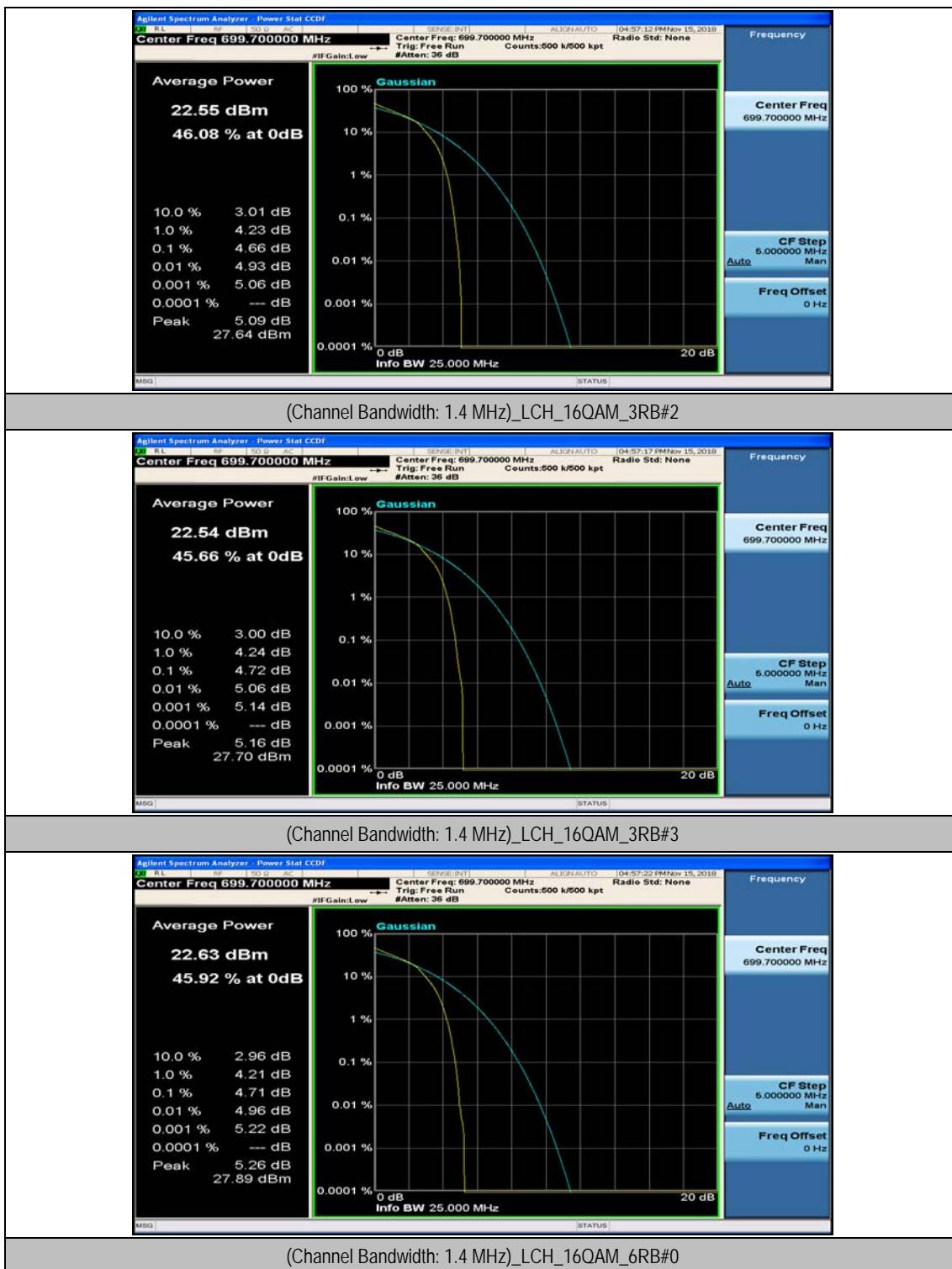




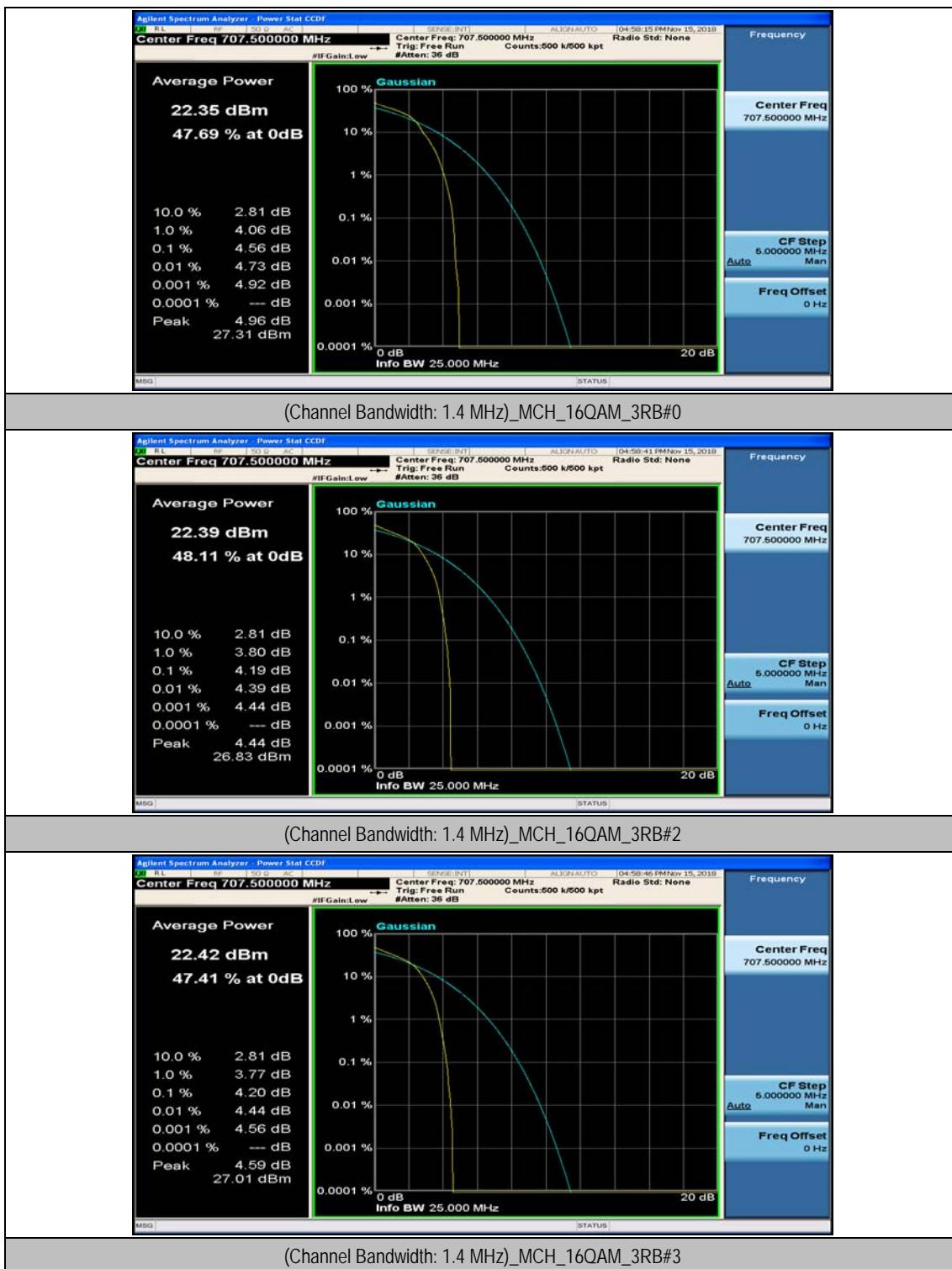


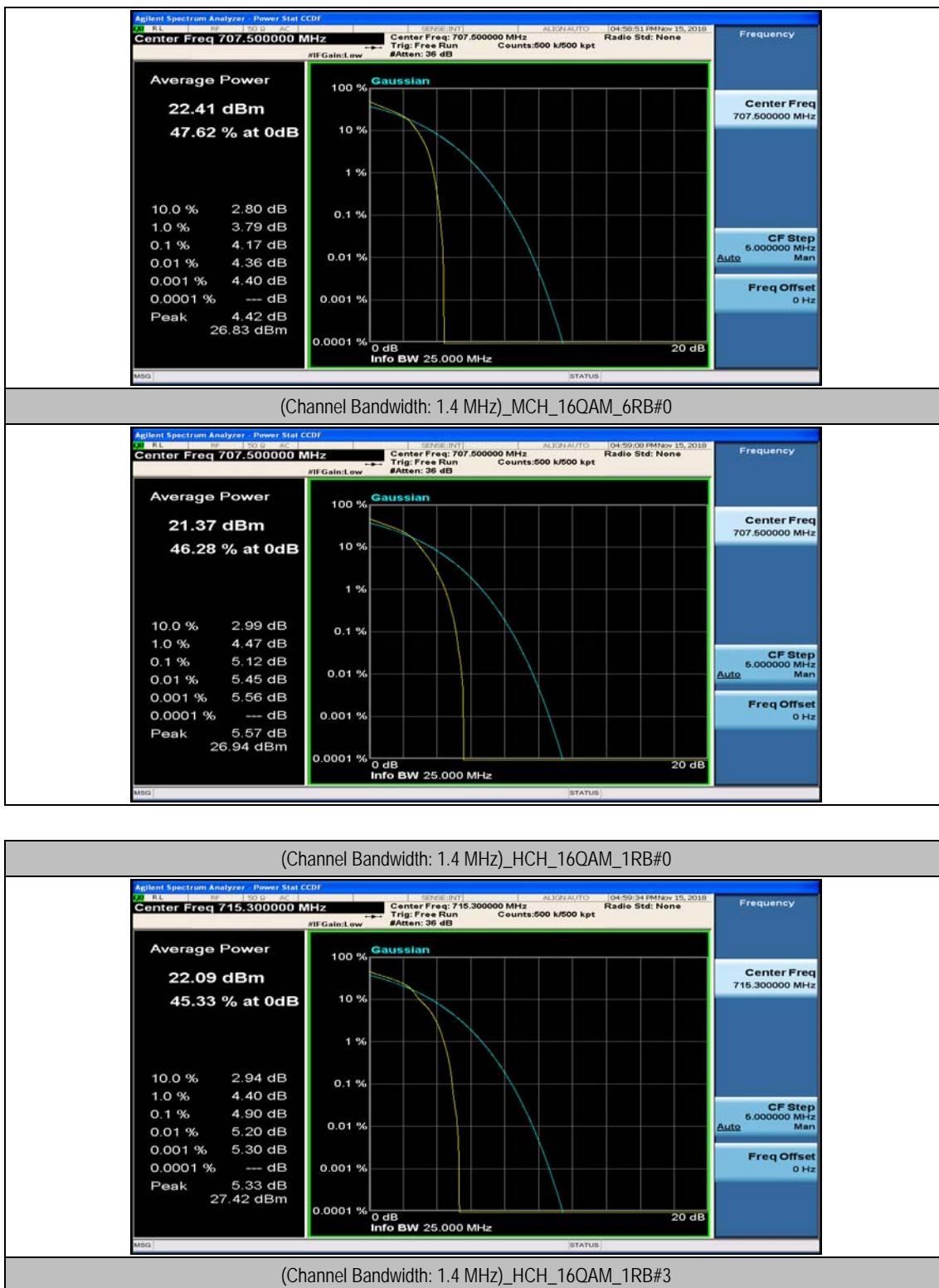


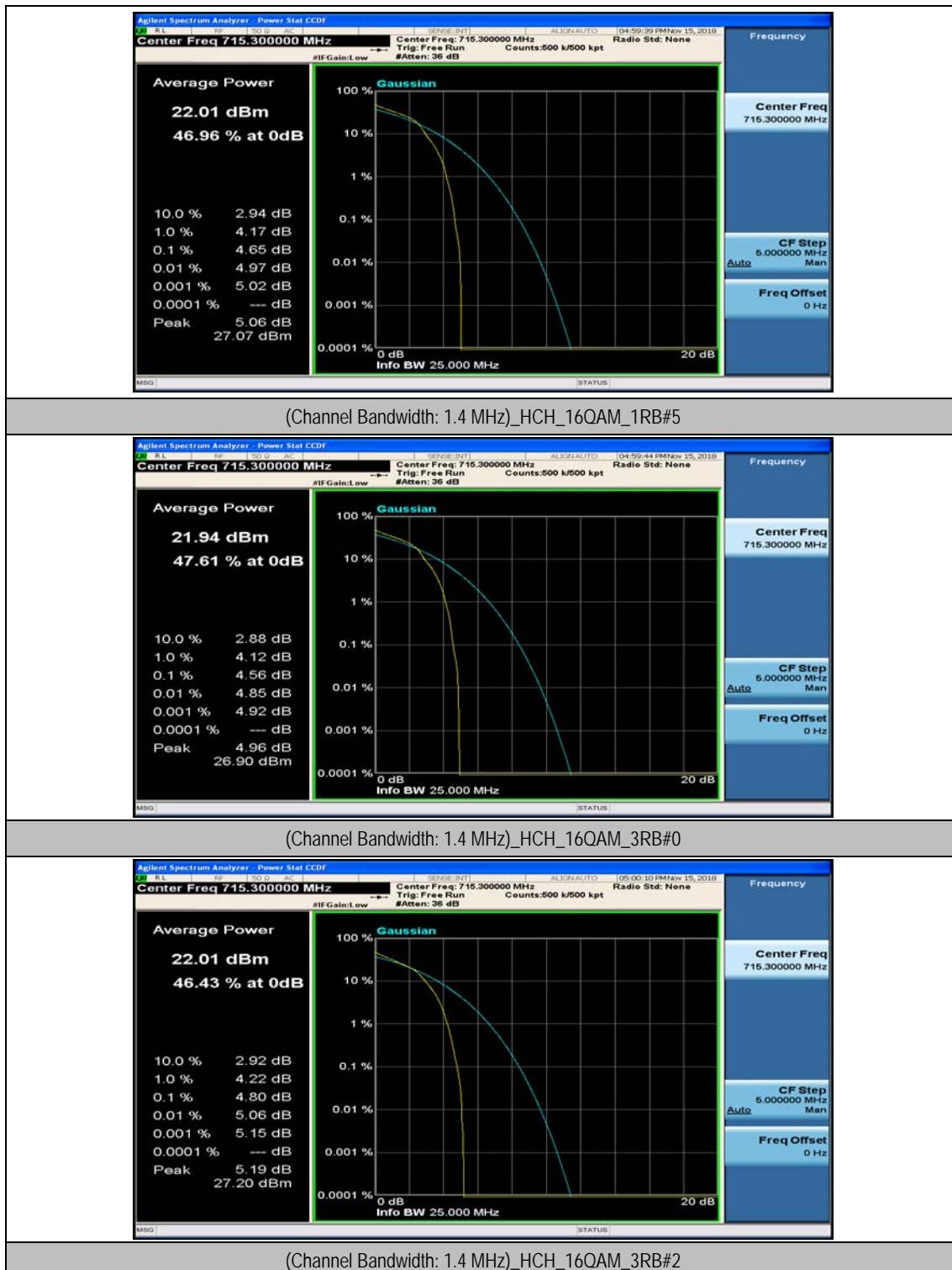


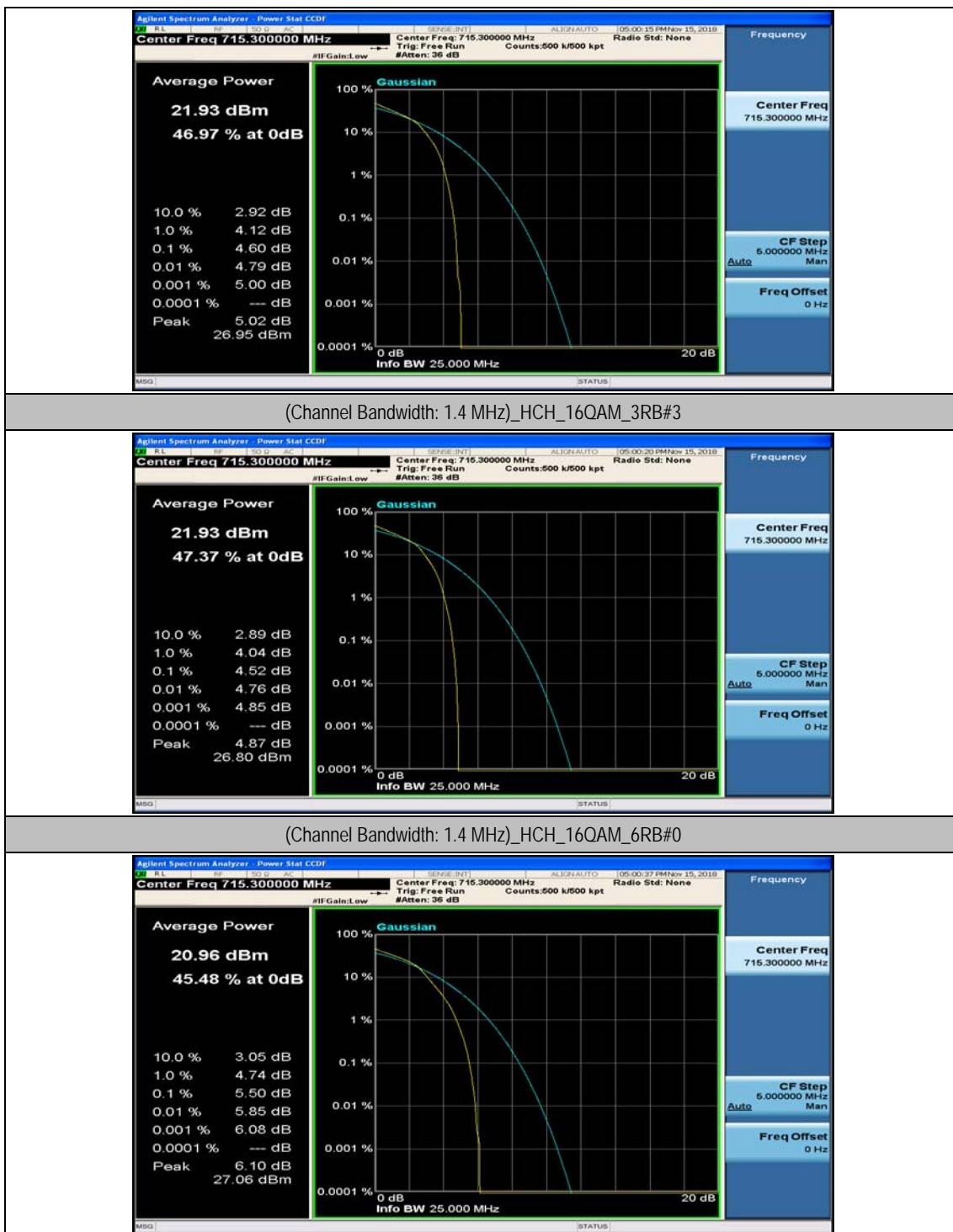




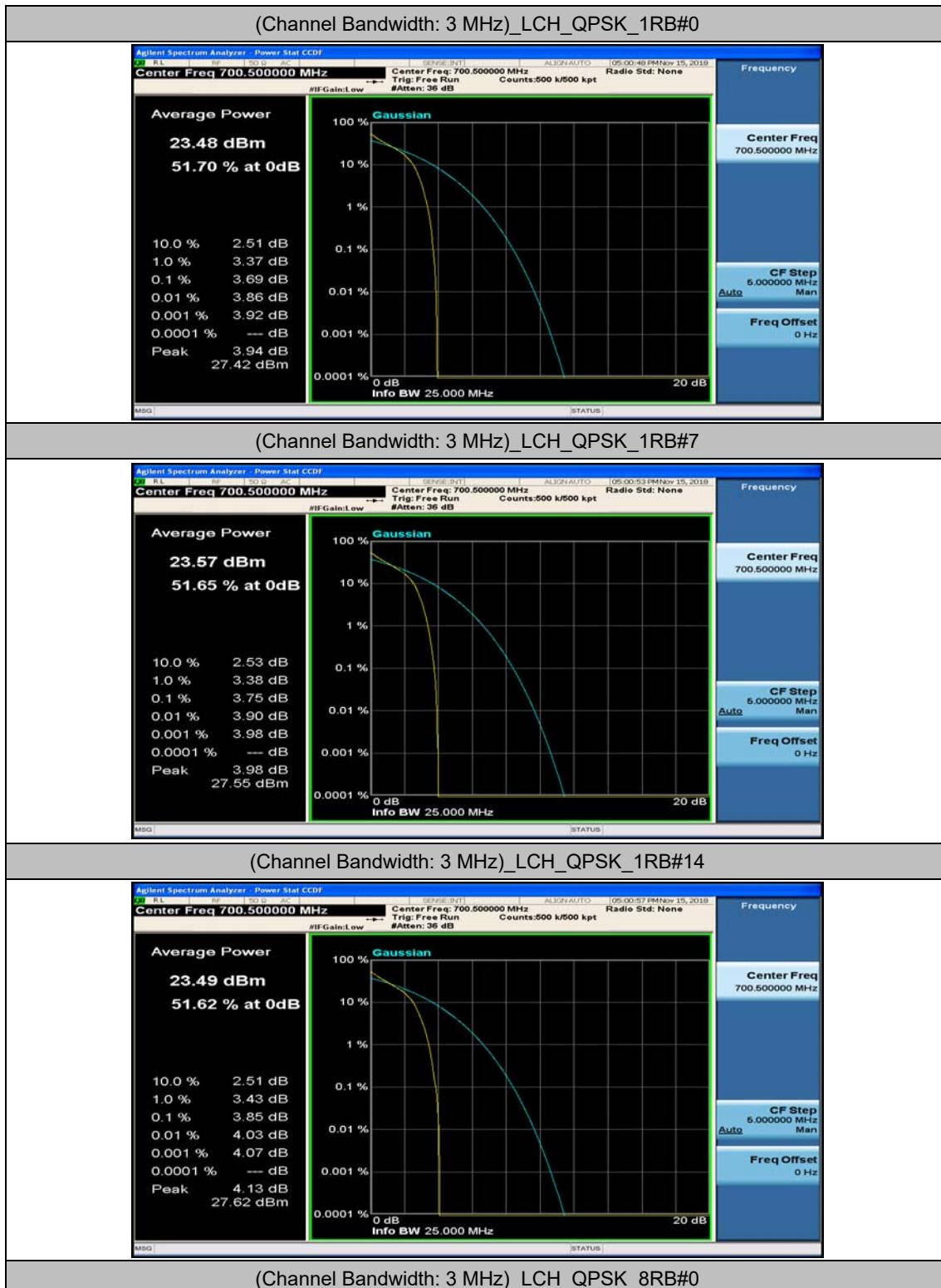


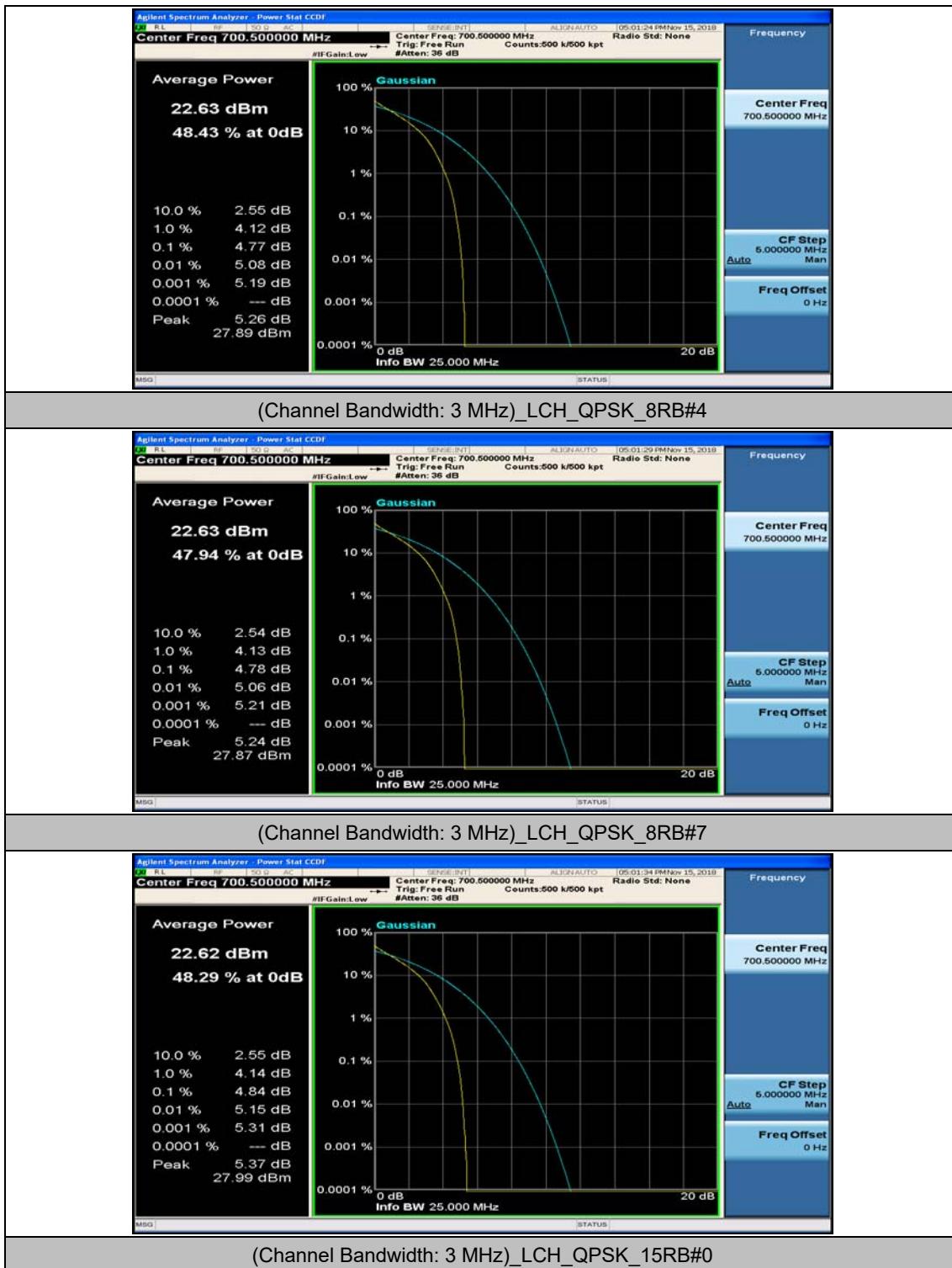


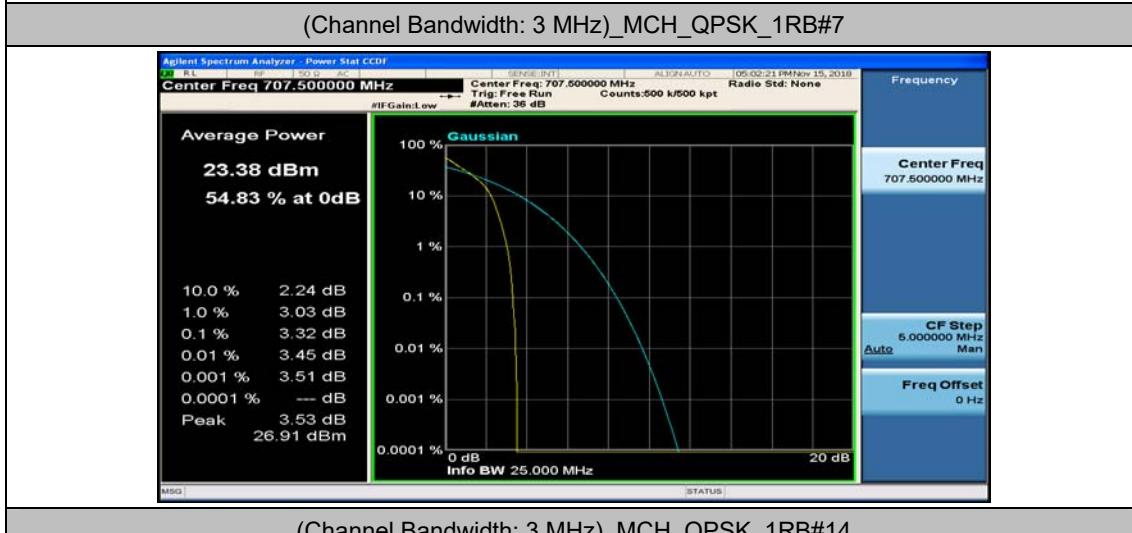
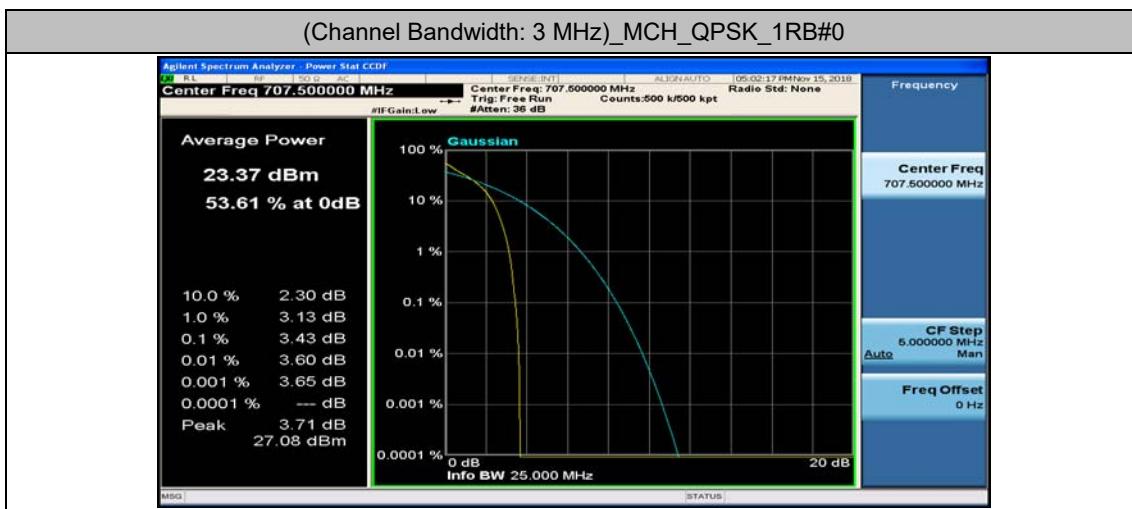
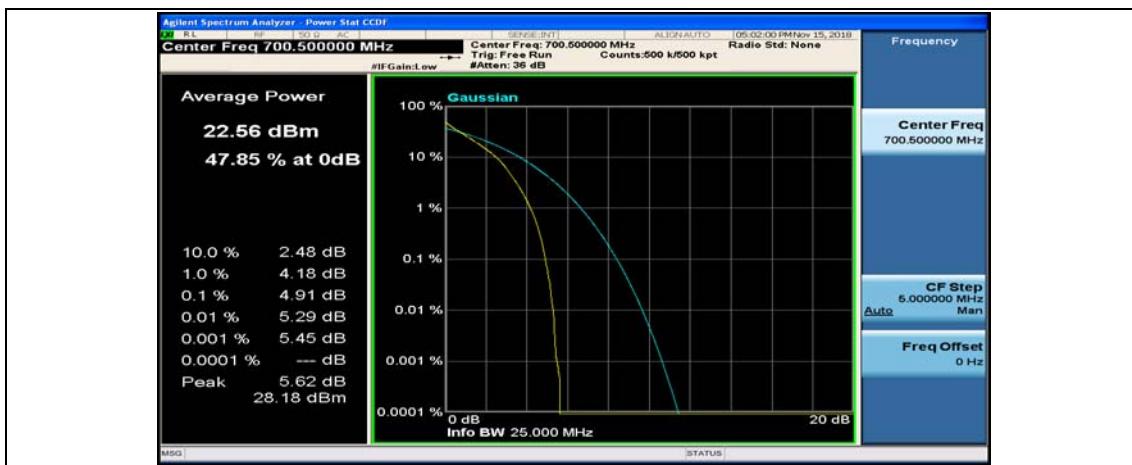




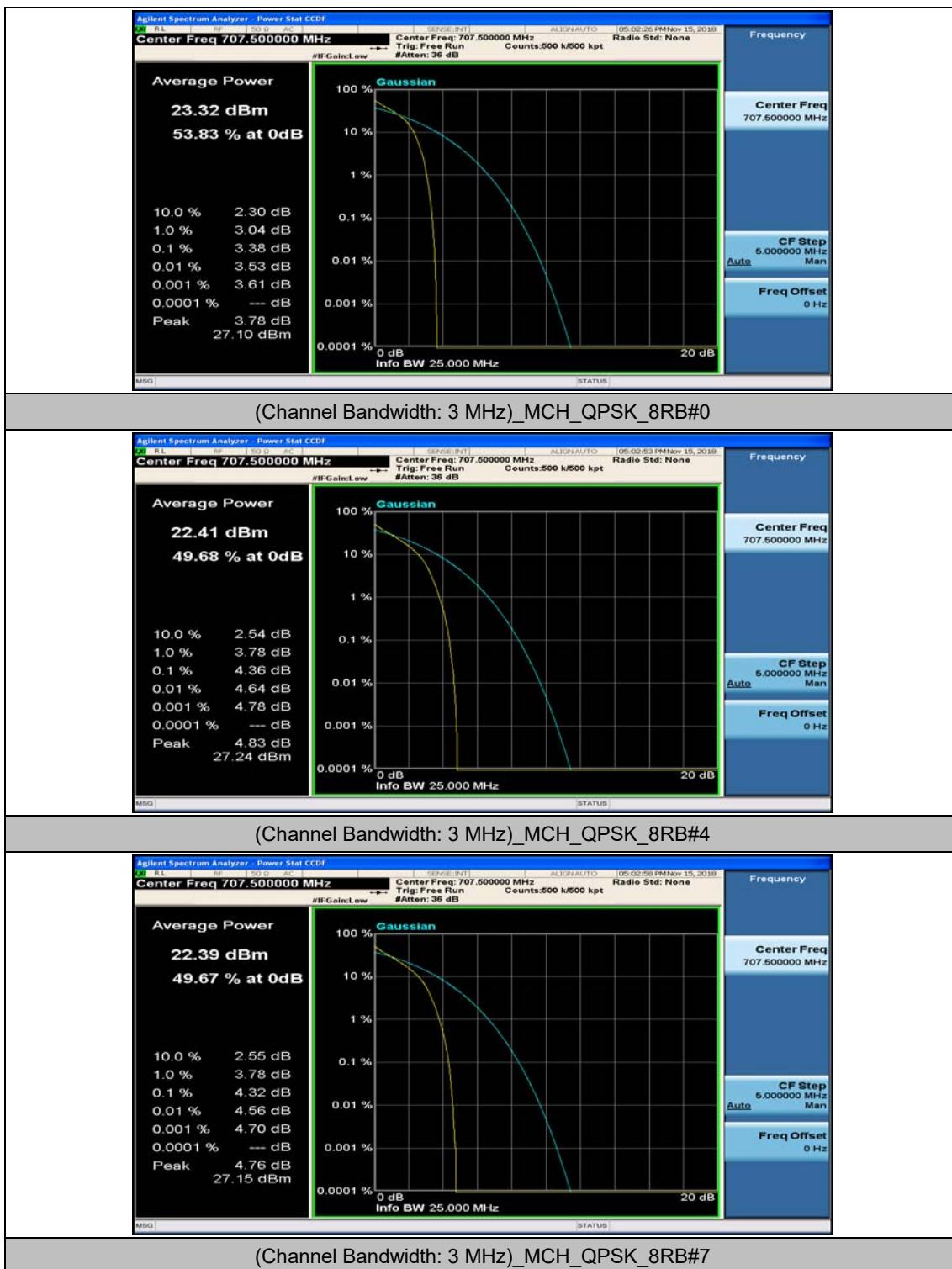
Channel Bandwidth: 3 MHz

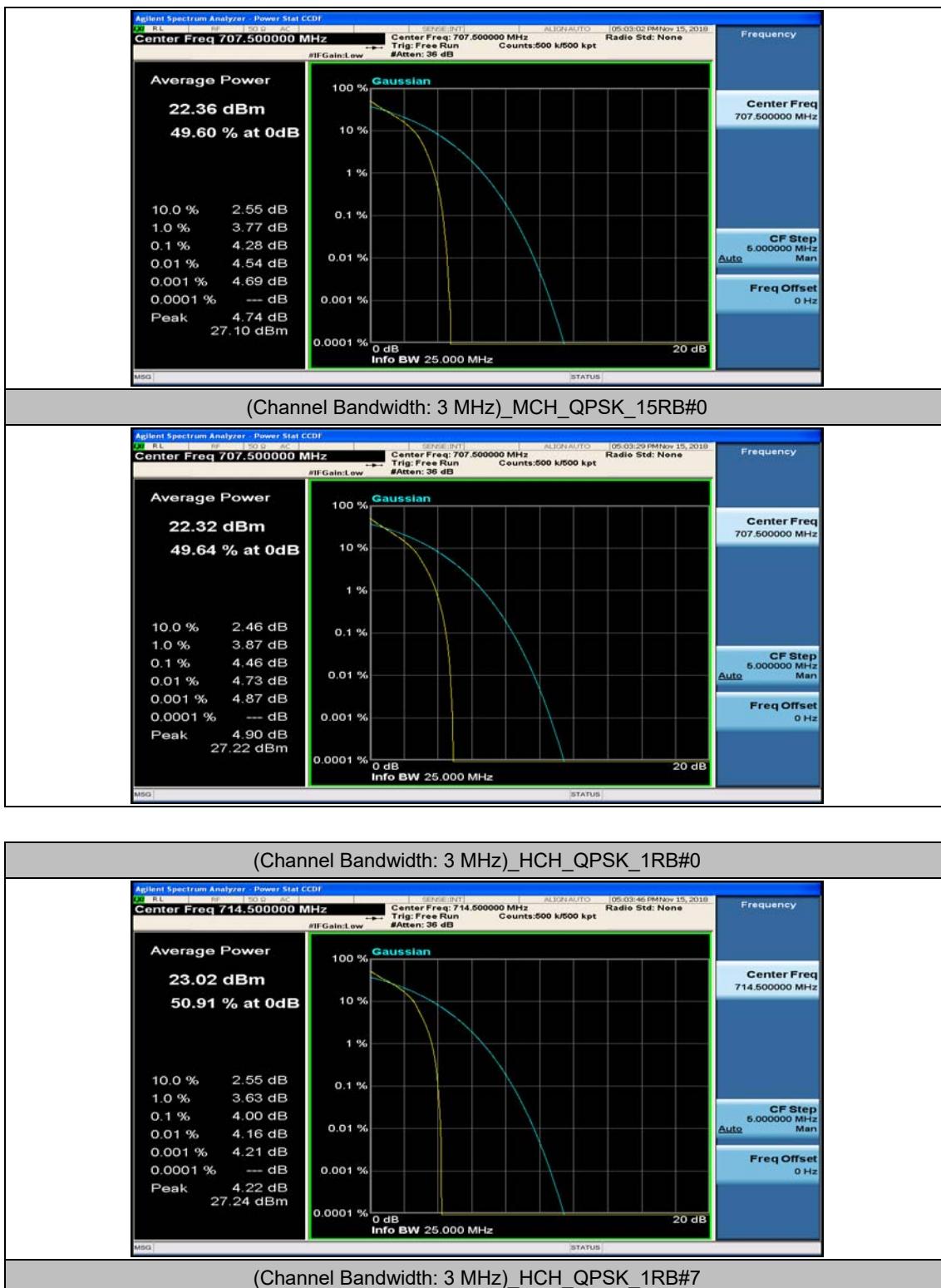


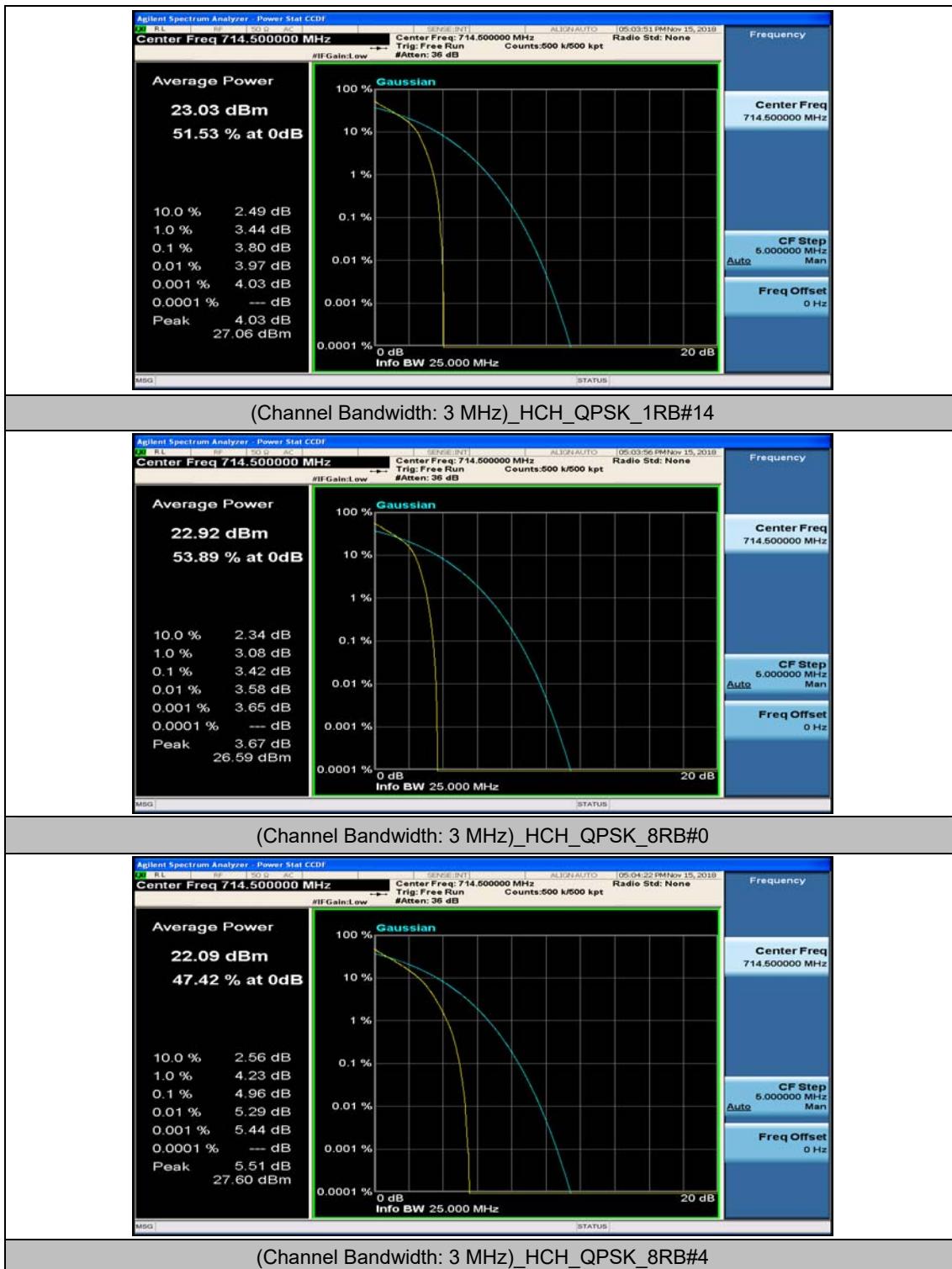


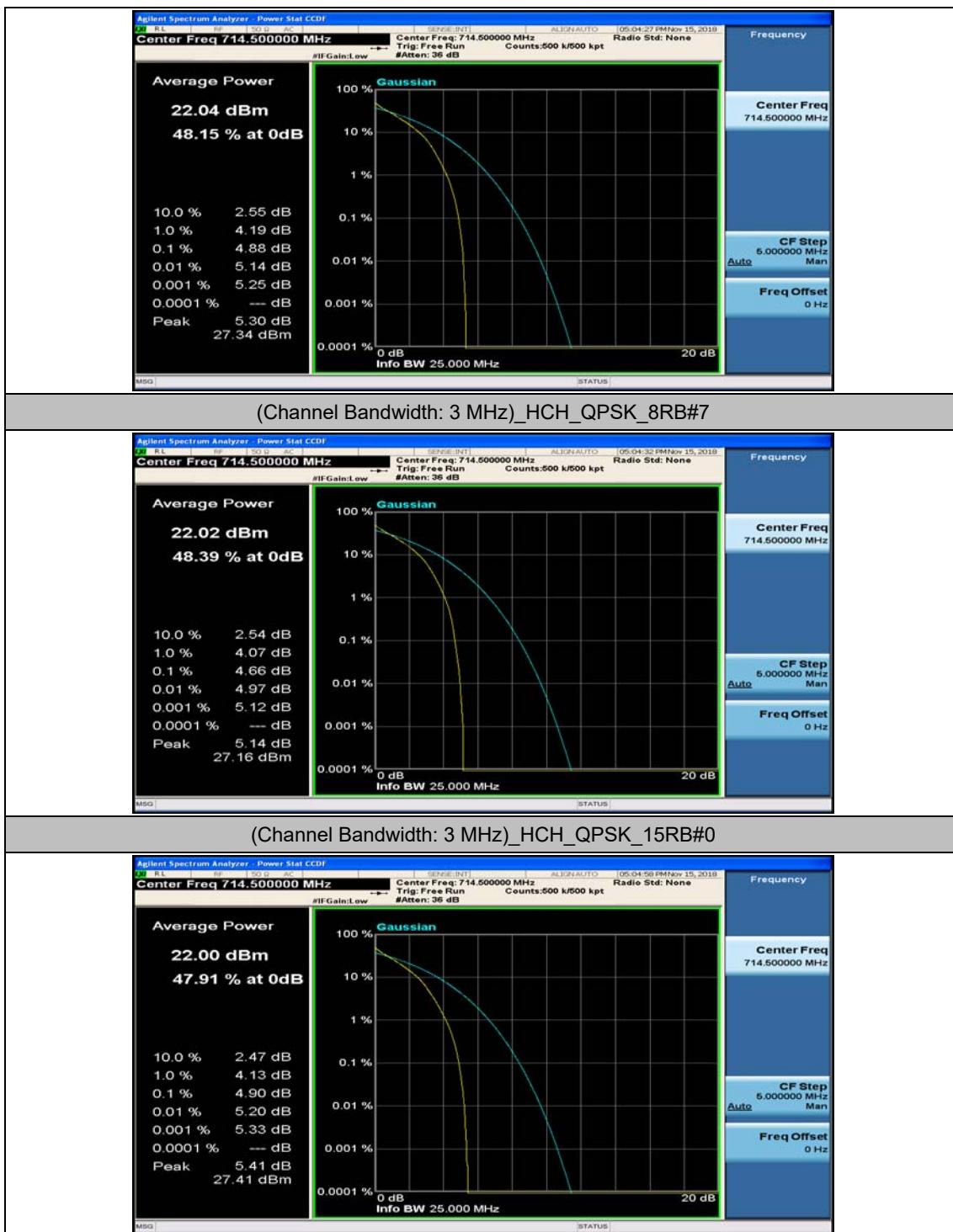


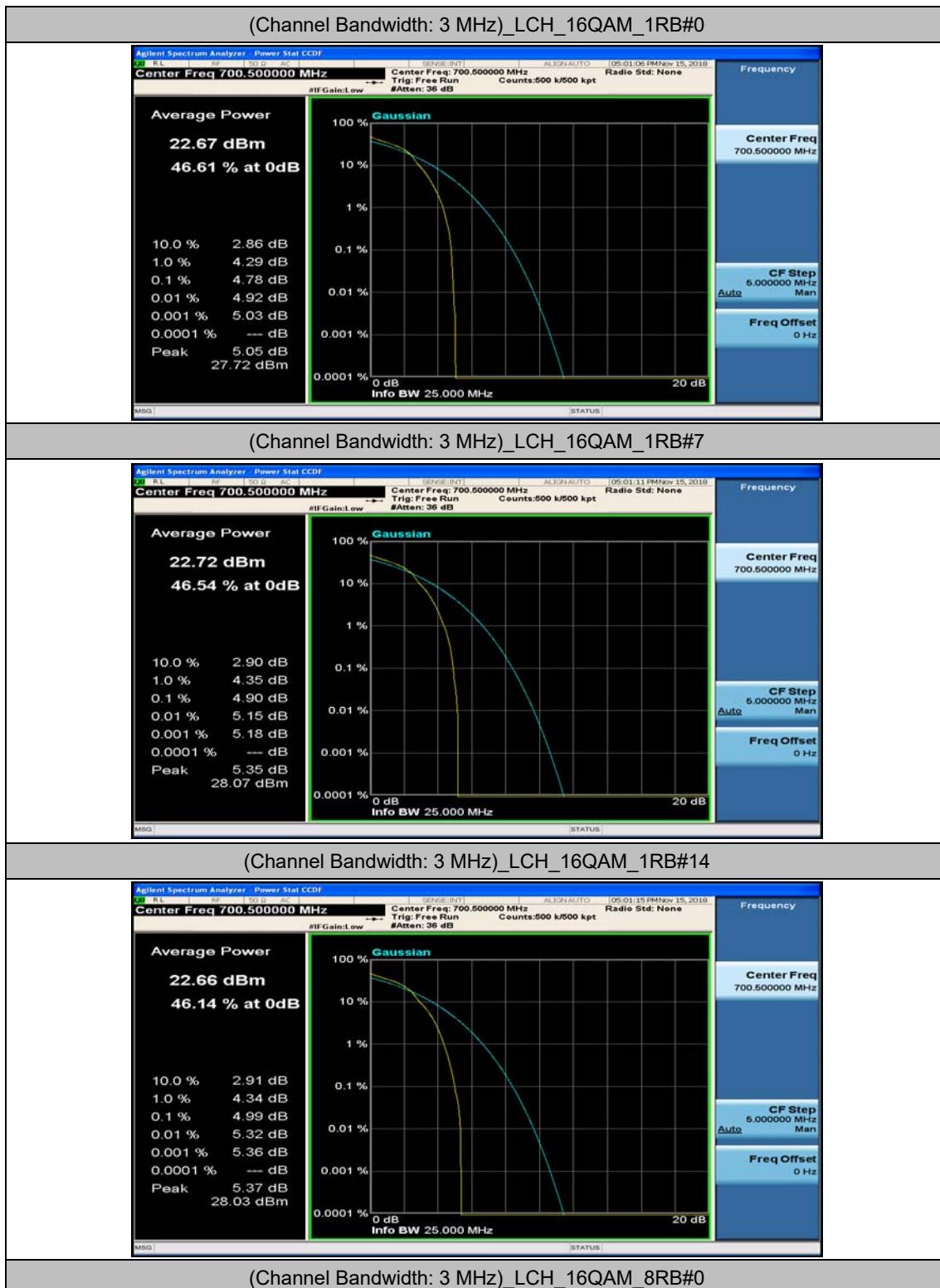
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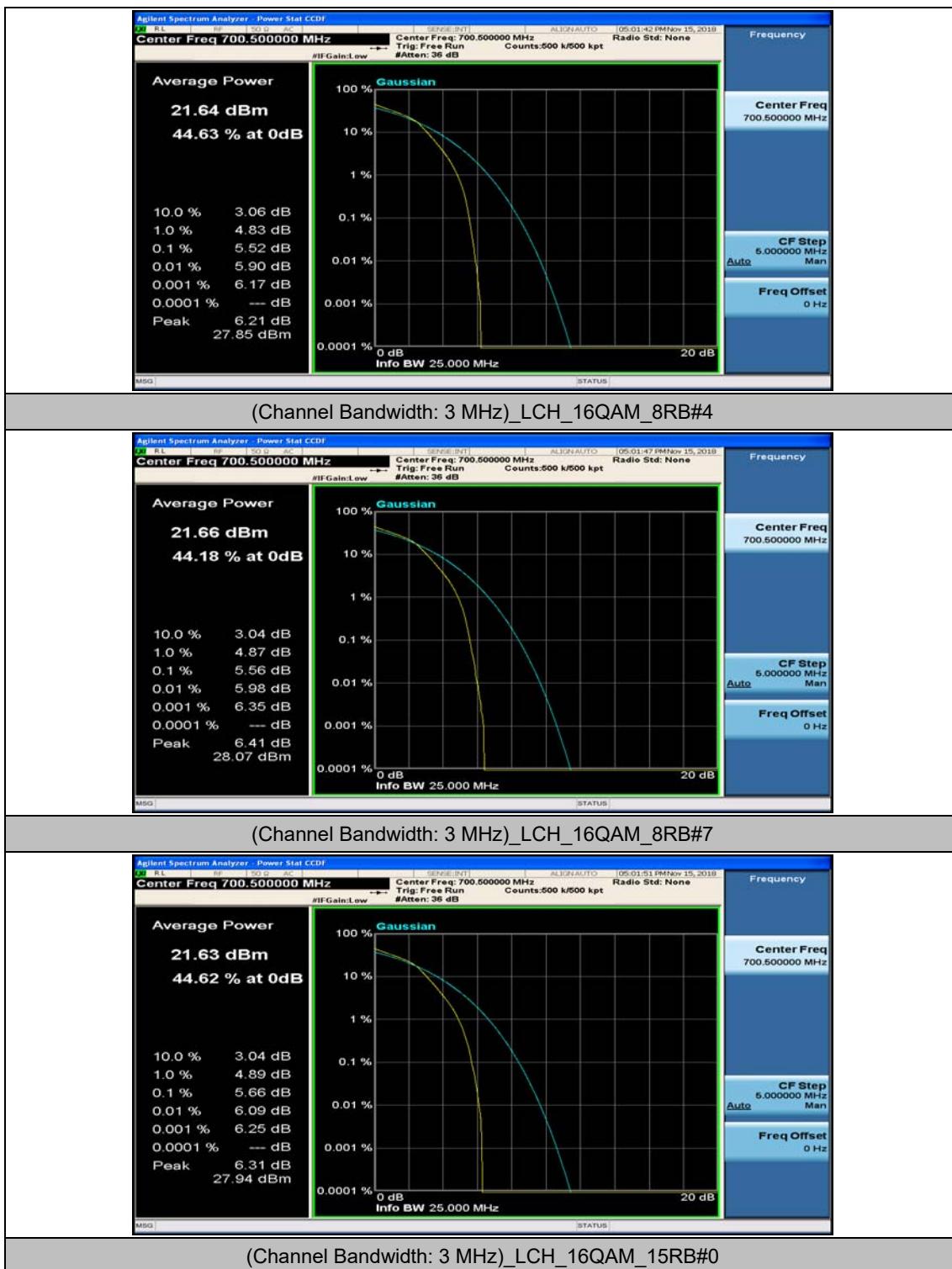


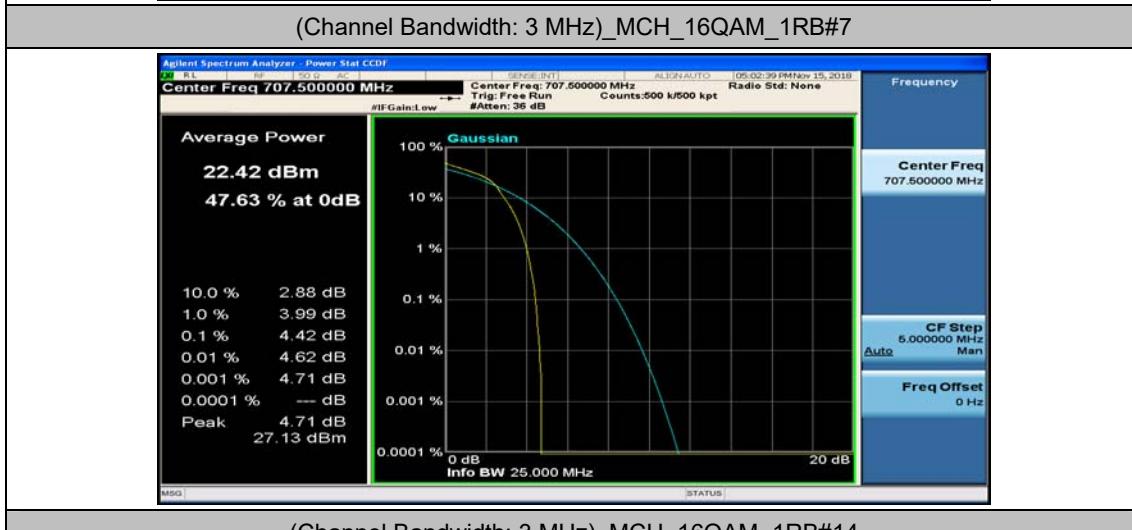
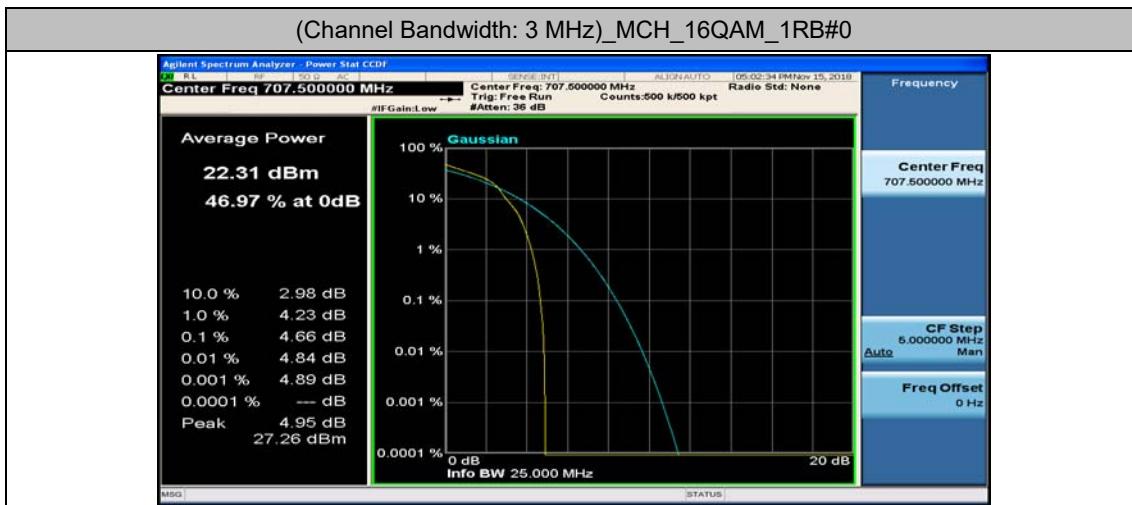
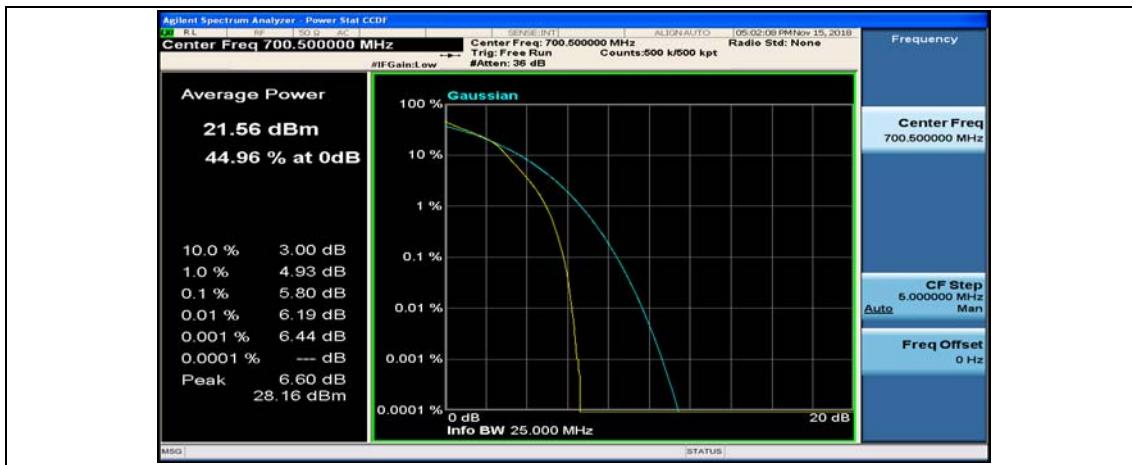




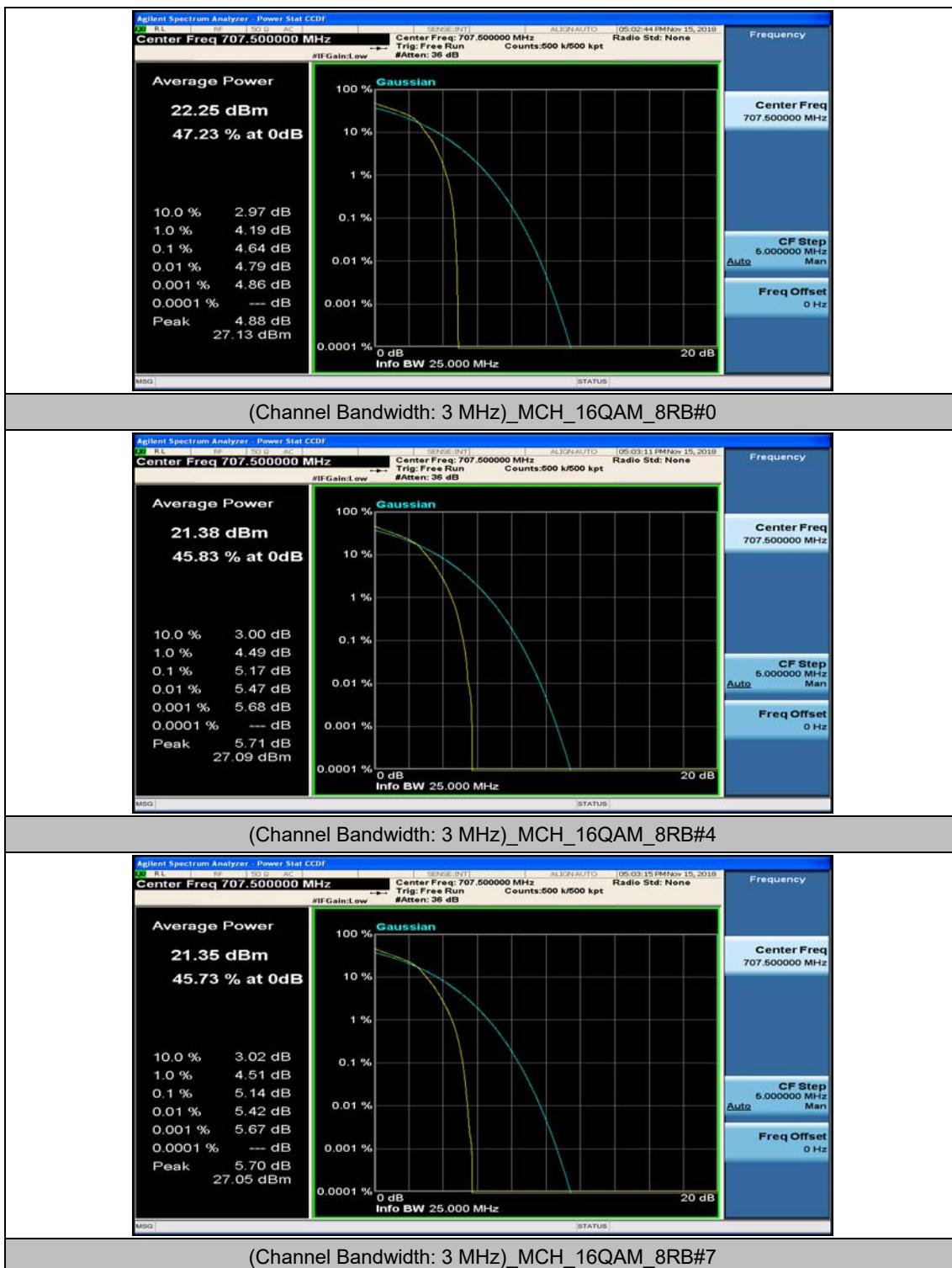


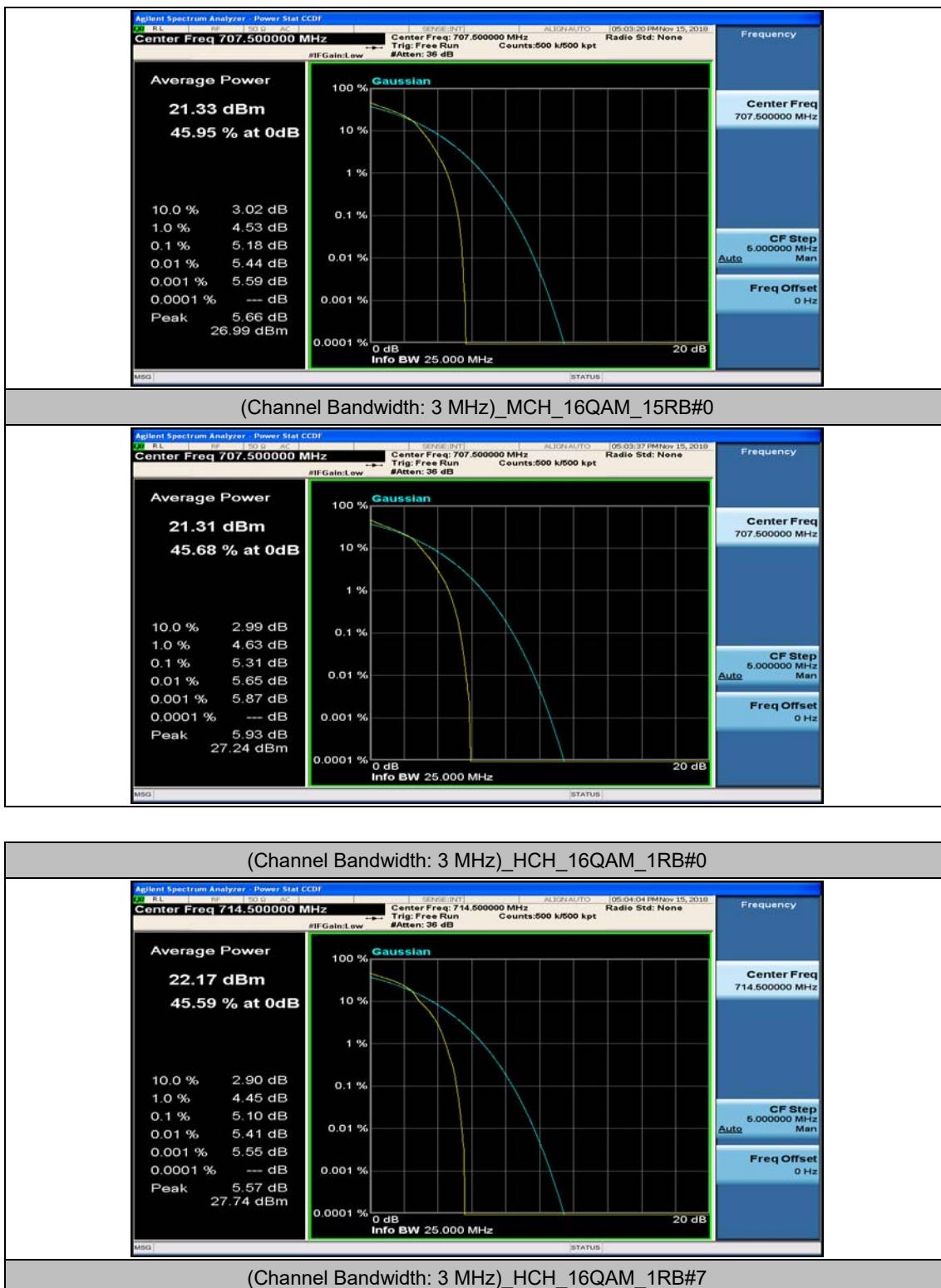


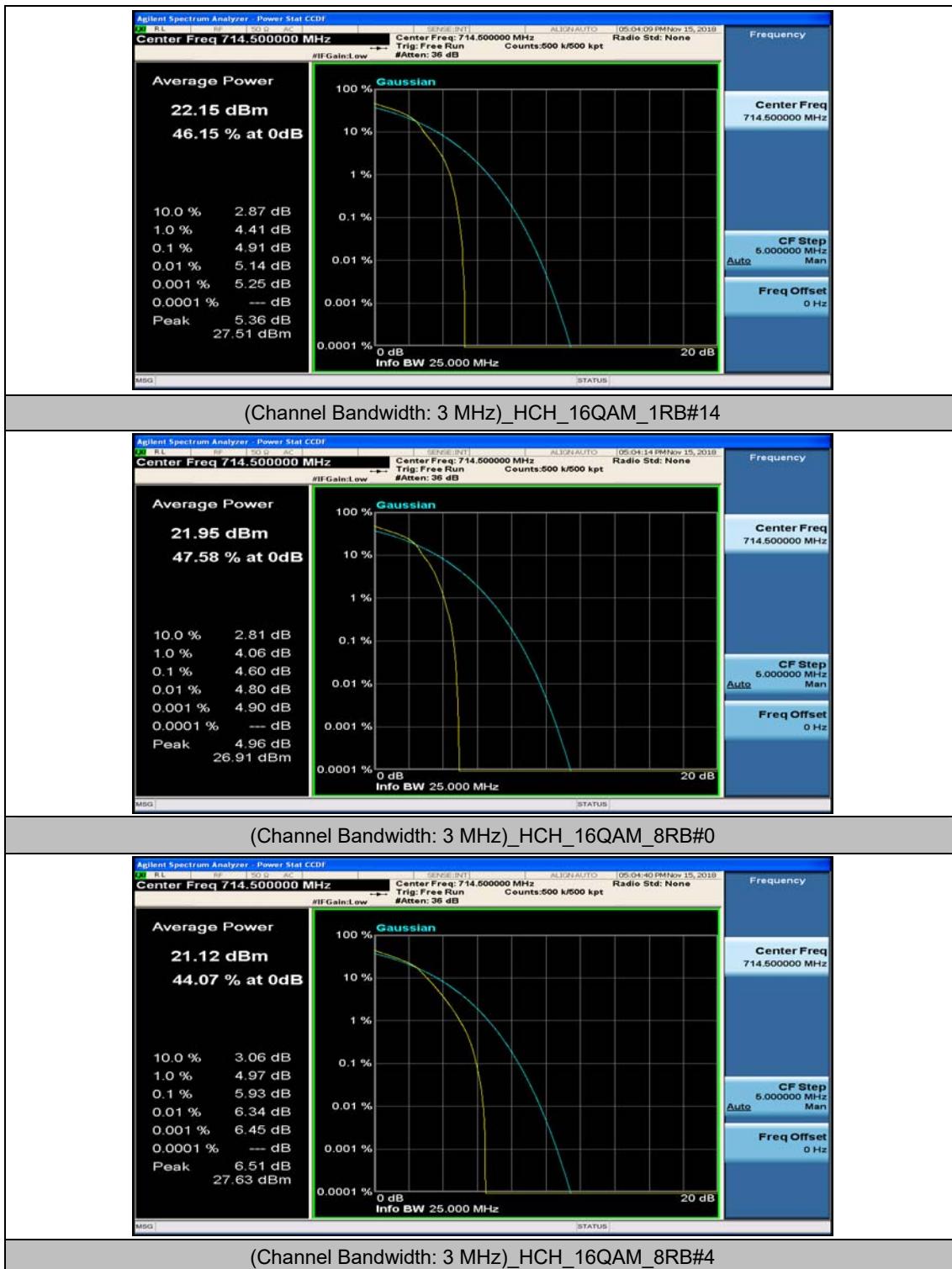


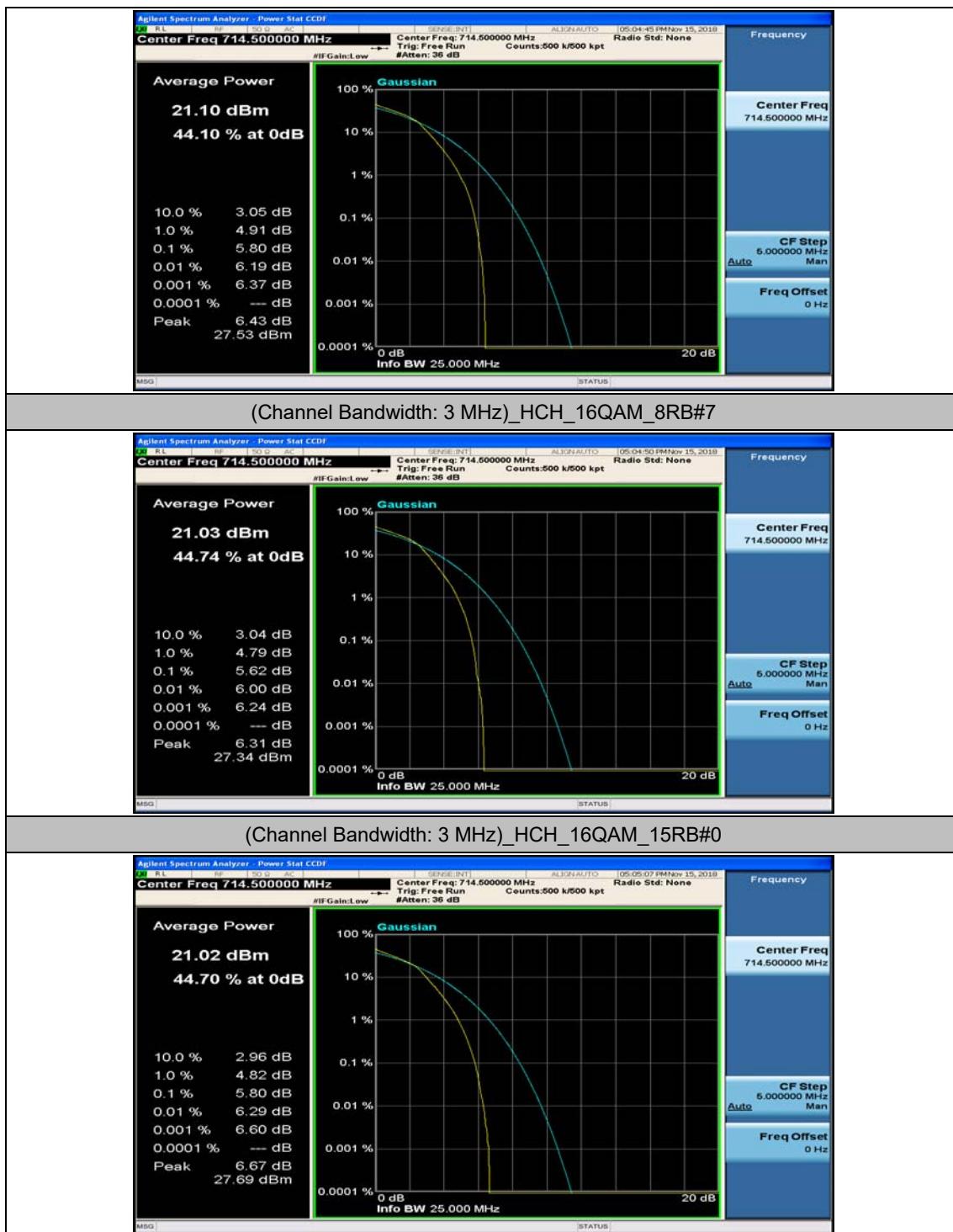


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

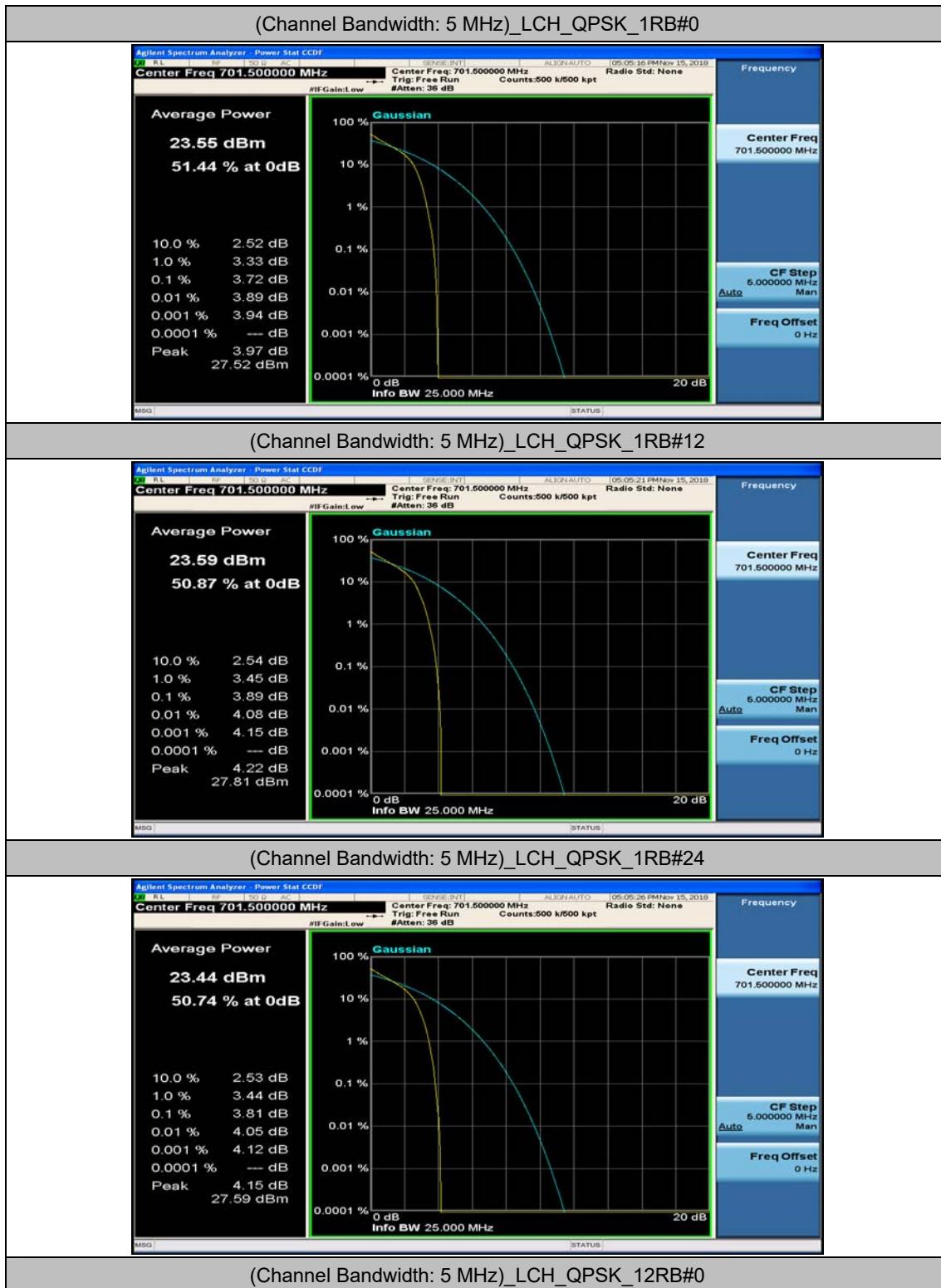


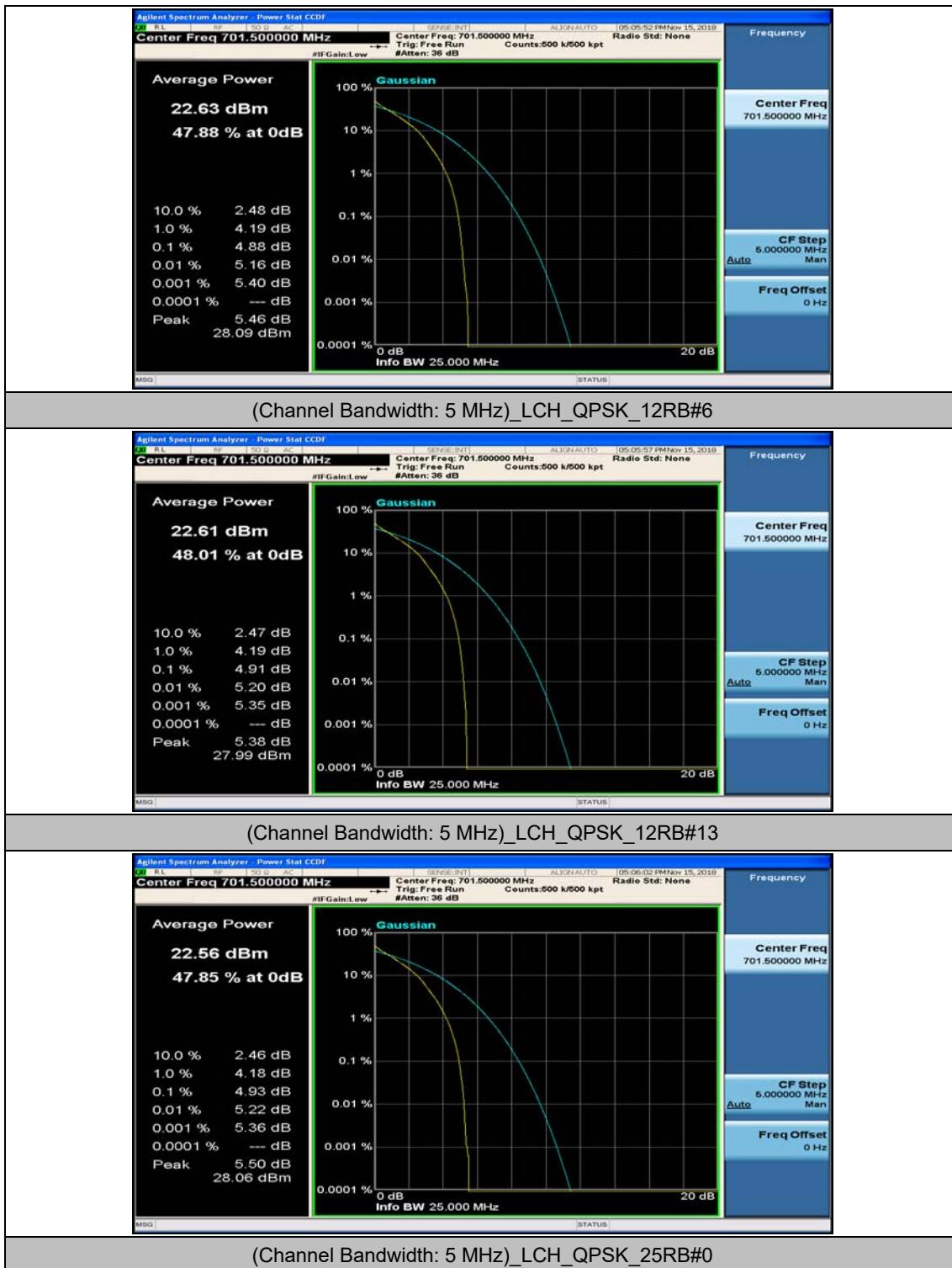


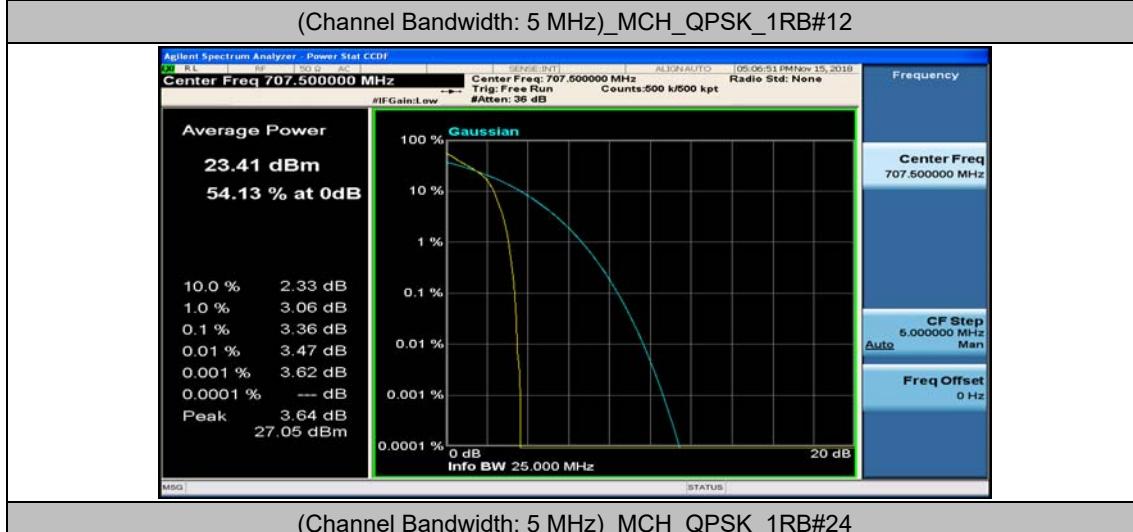
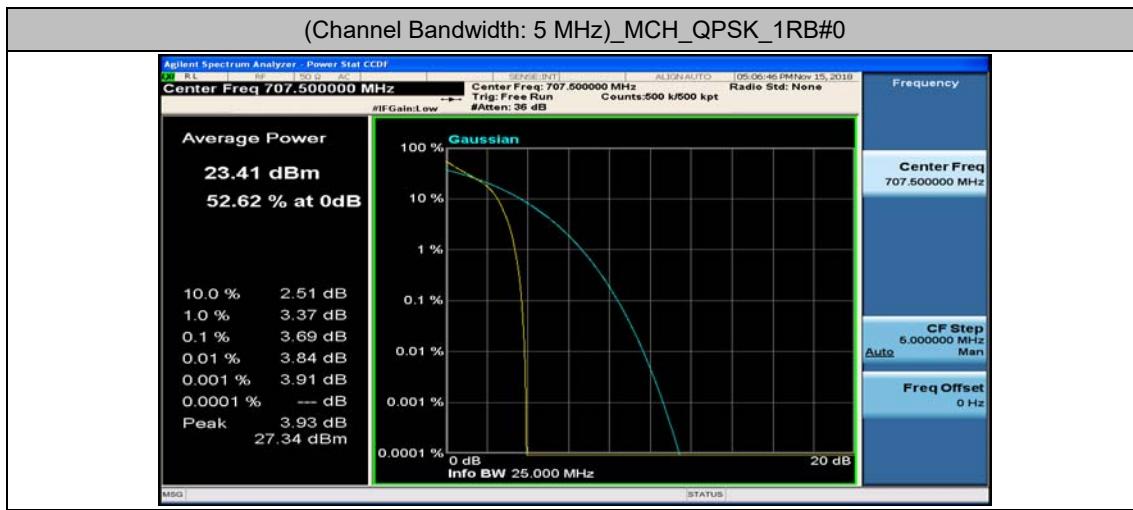
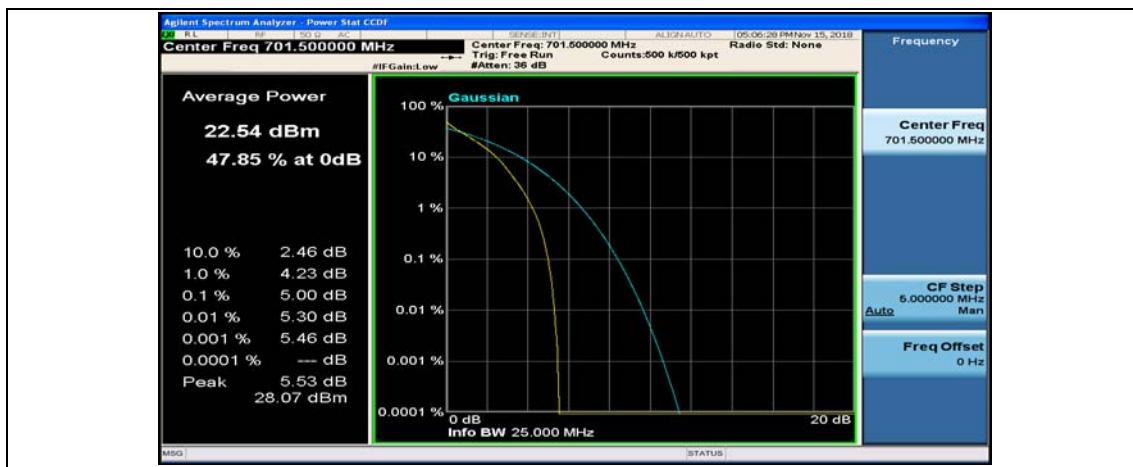




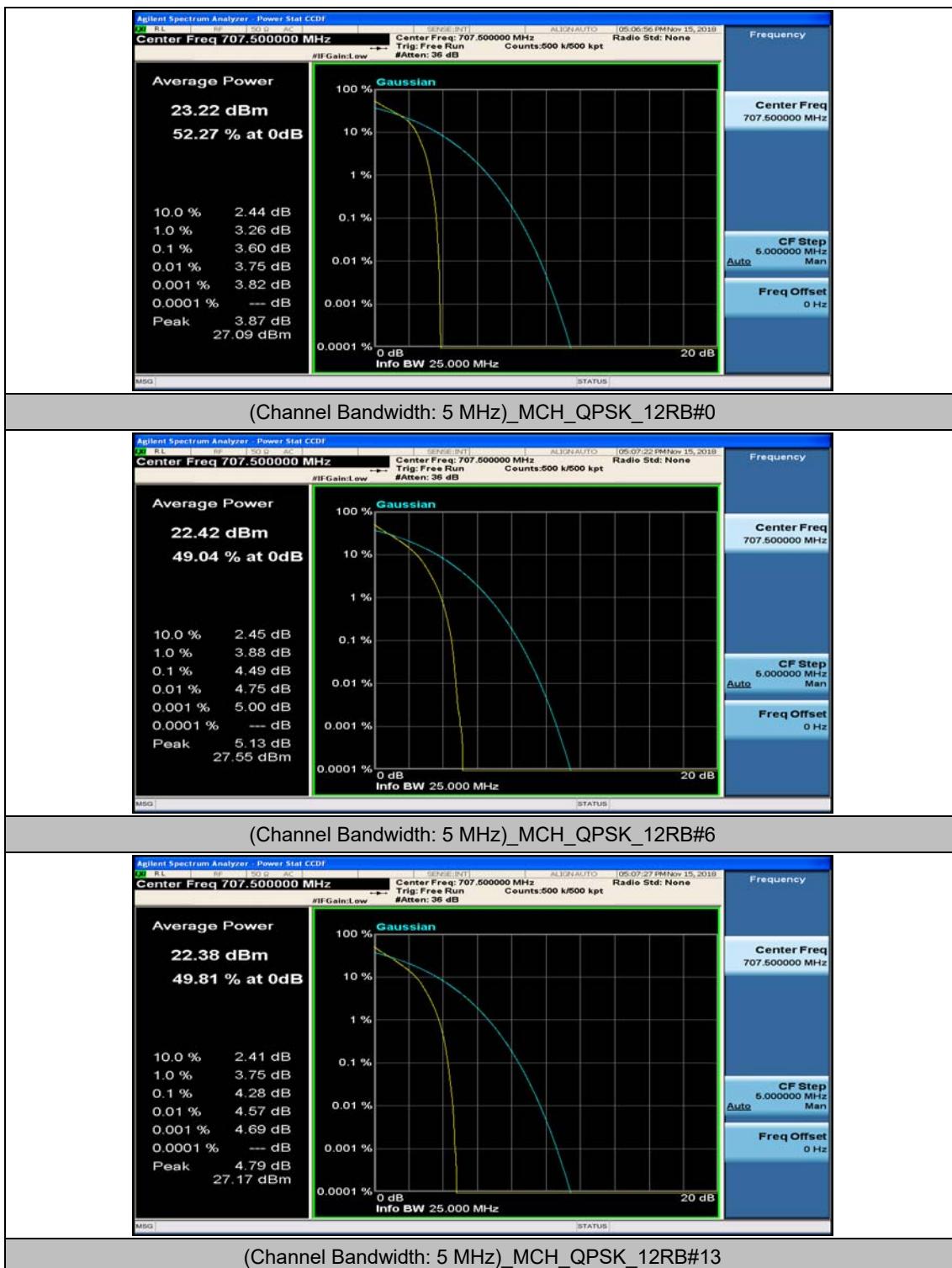
Channel Bandwidth: 5 MHz

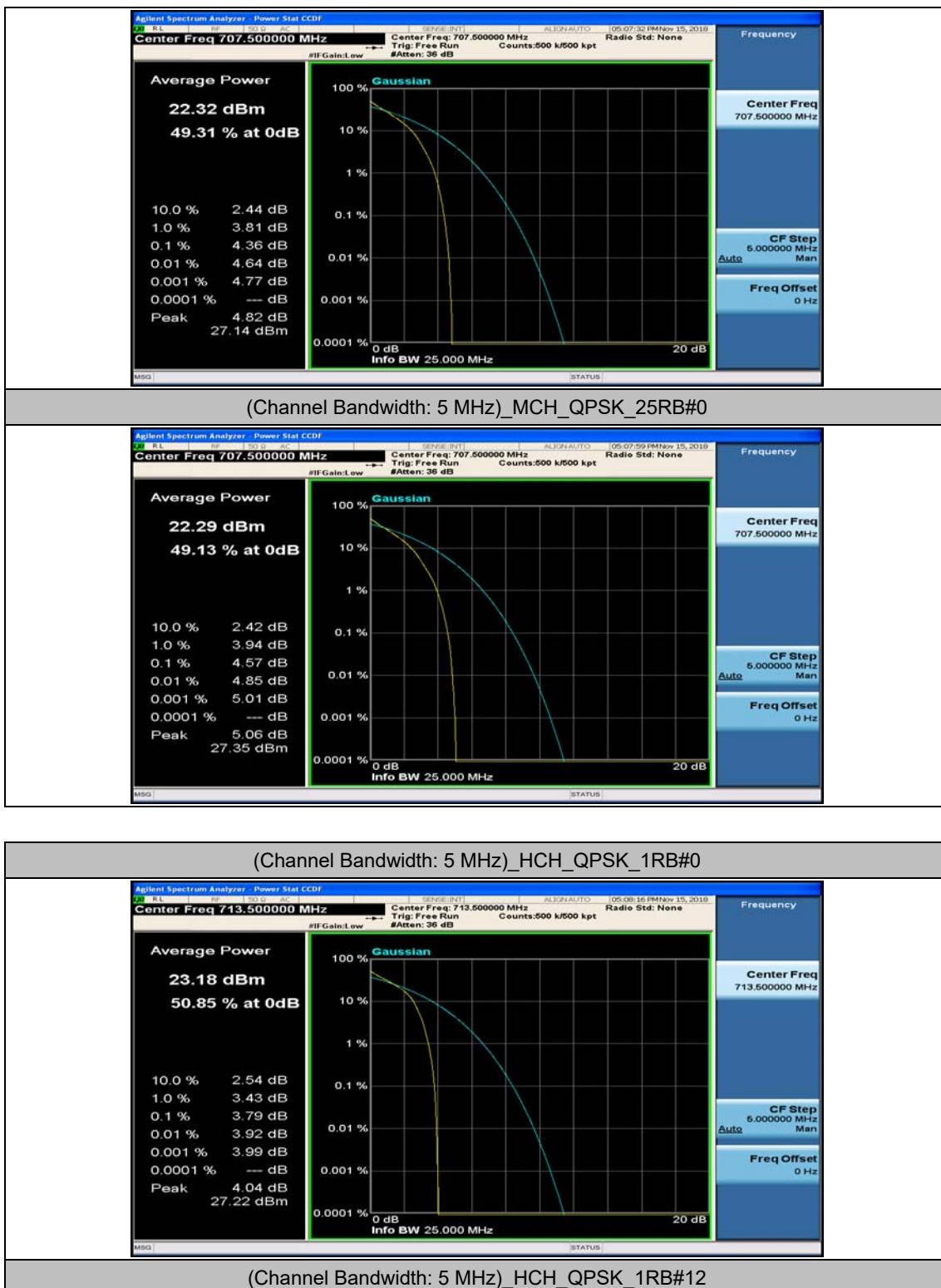


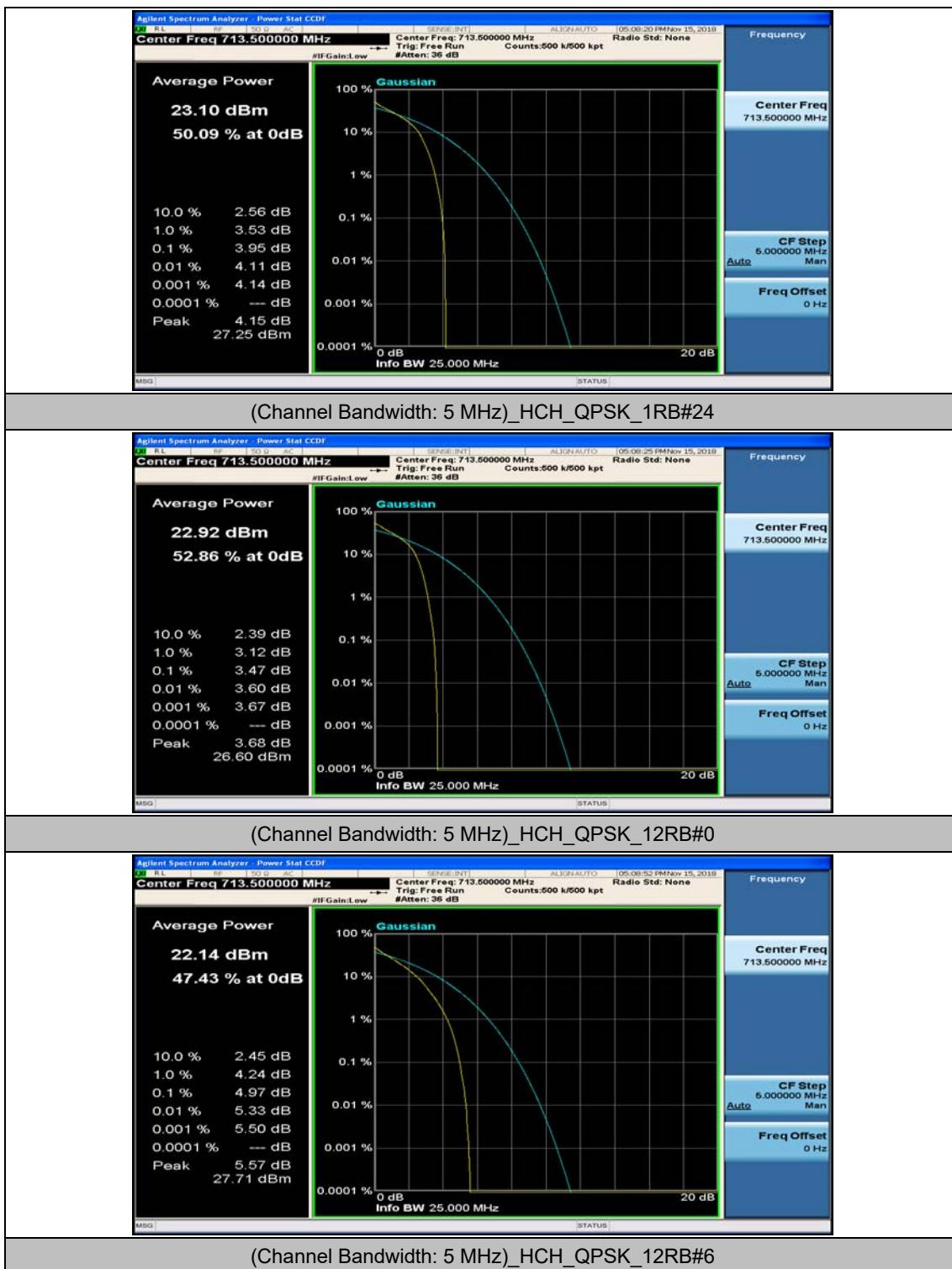


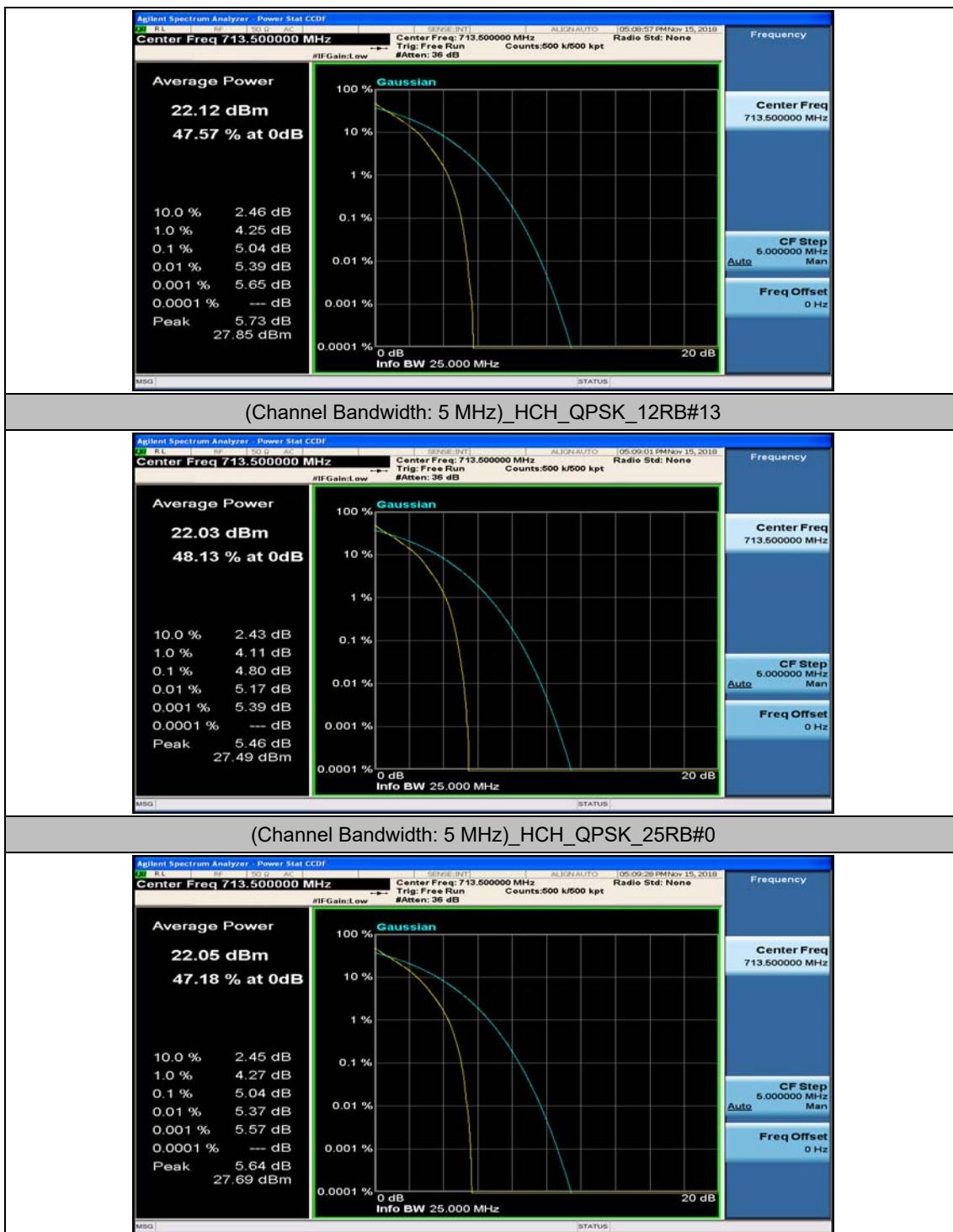


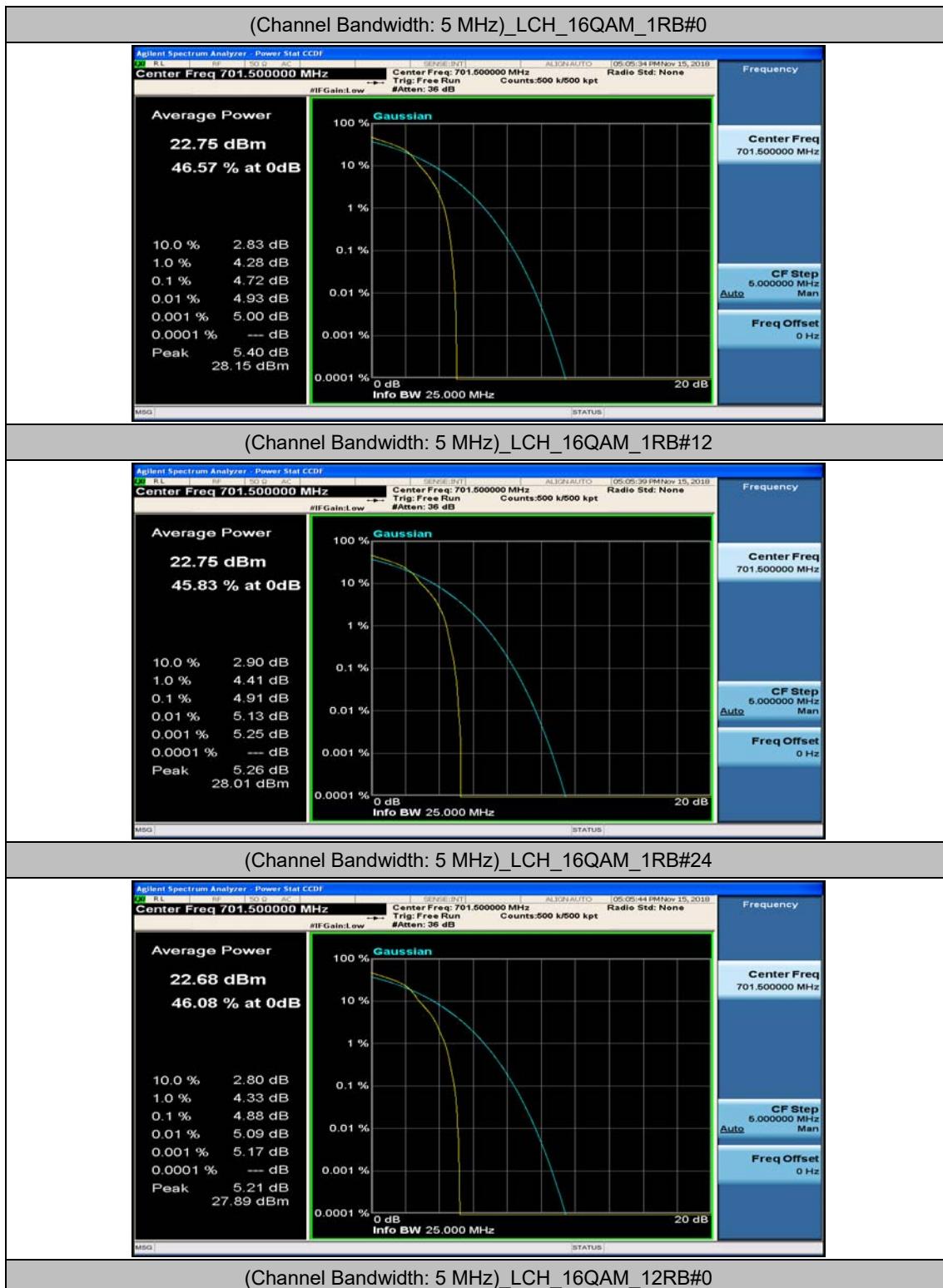
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

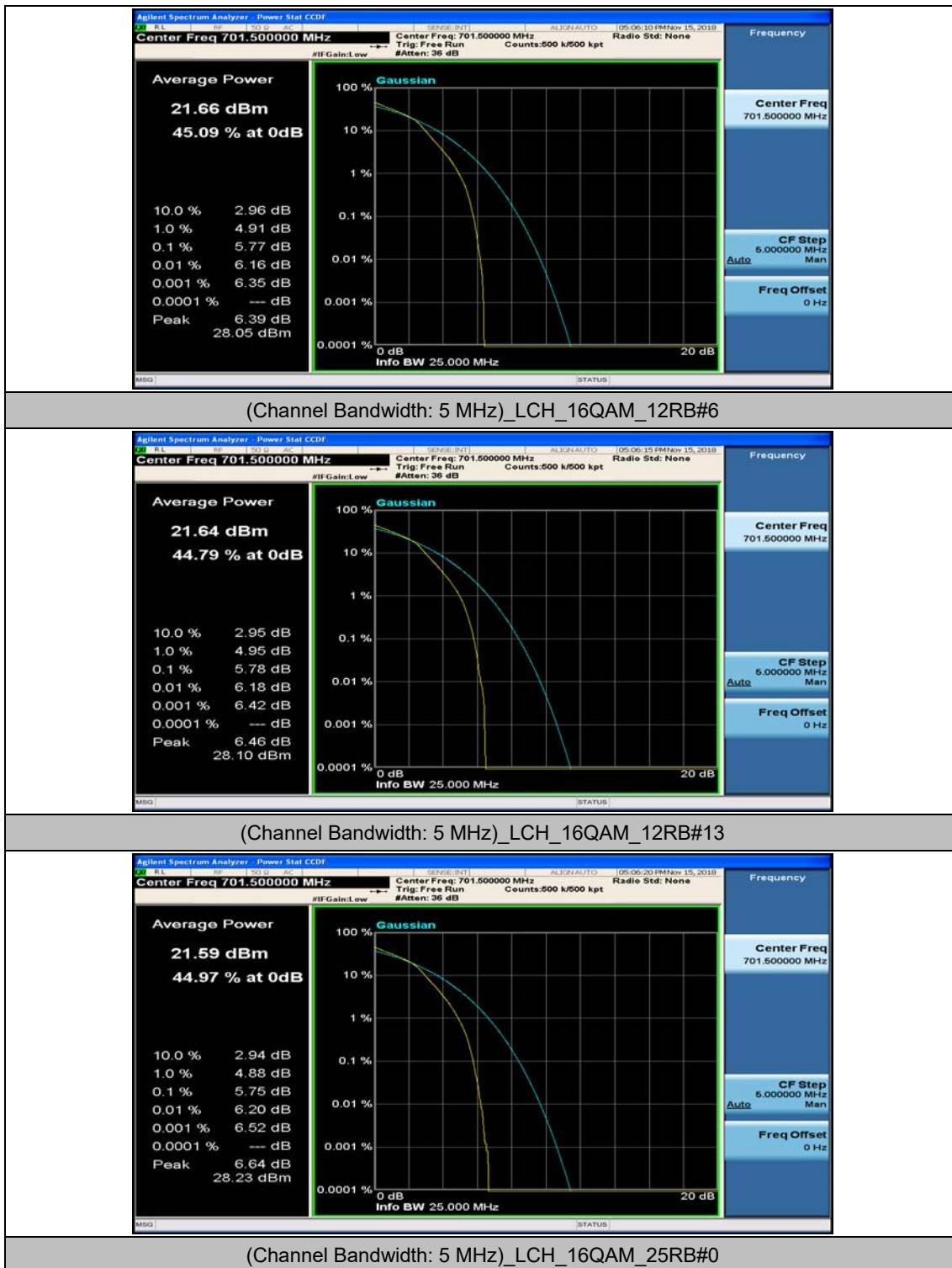


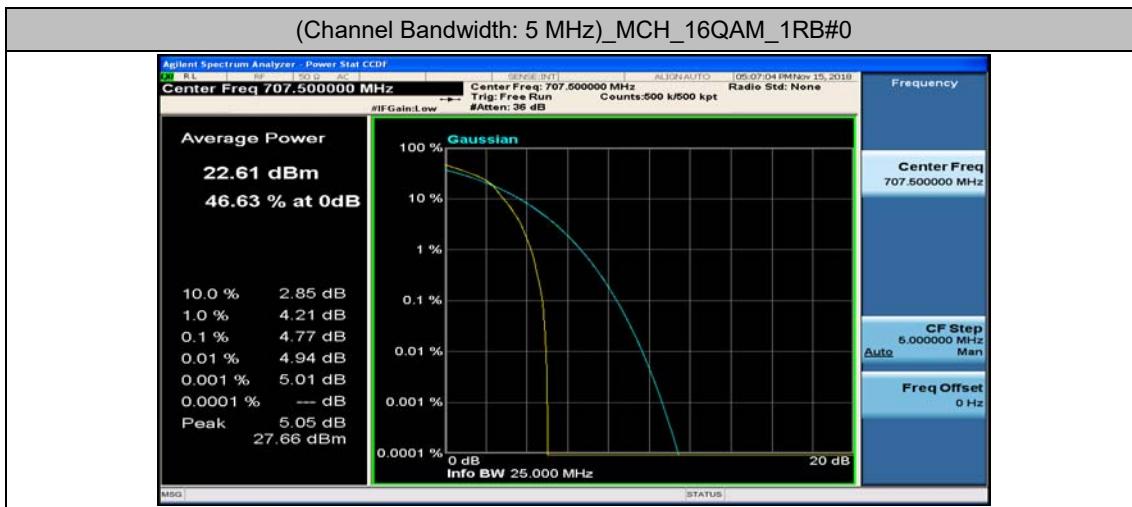
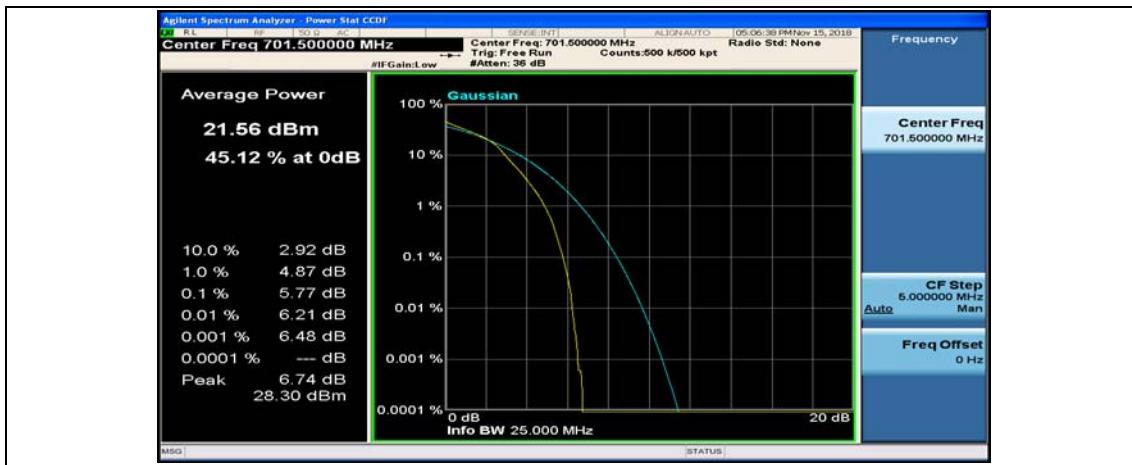


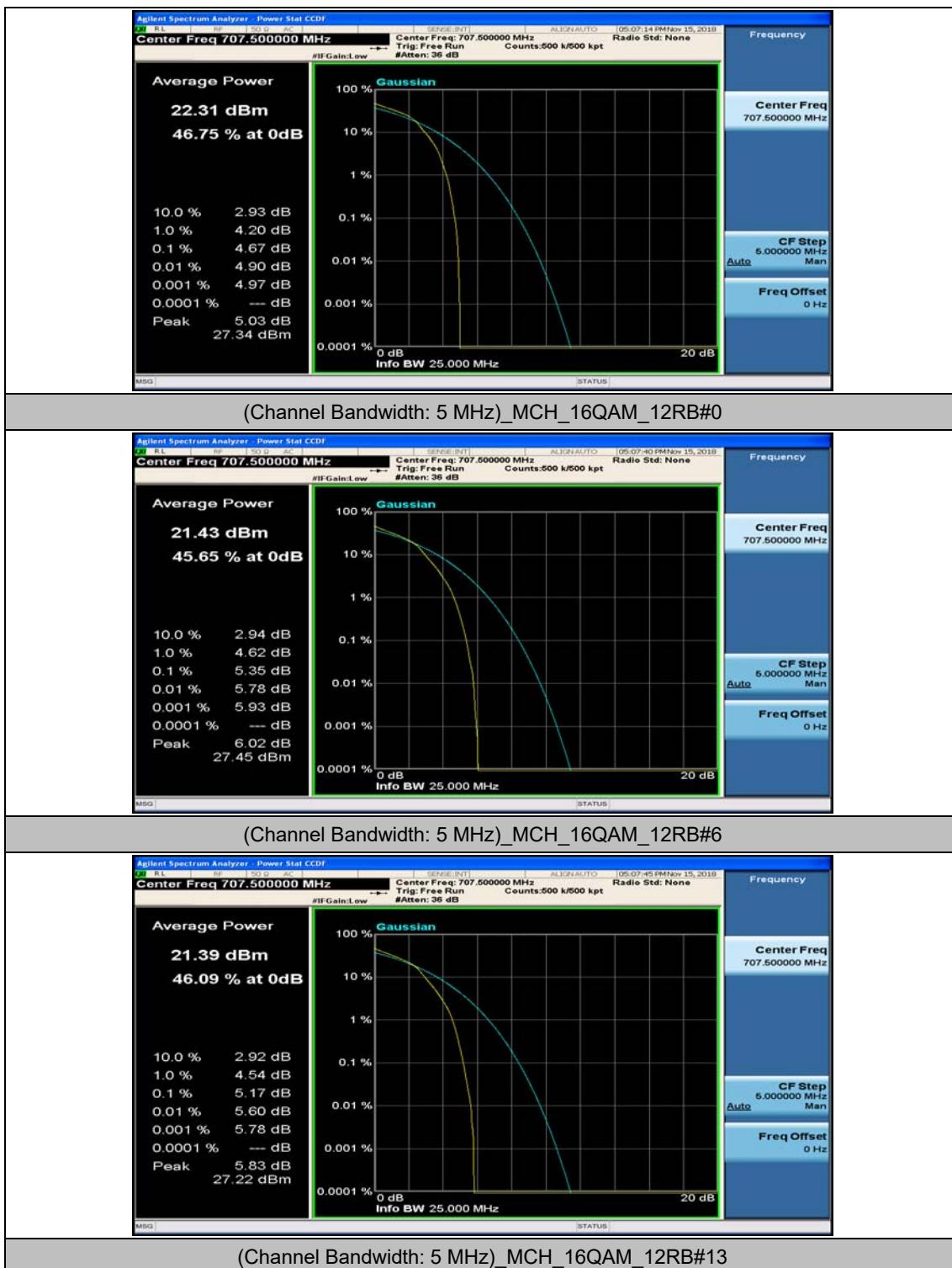


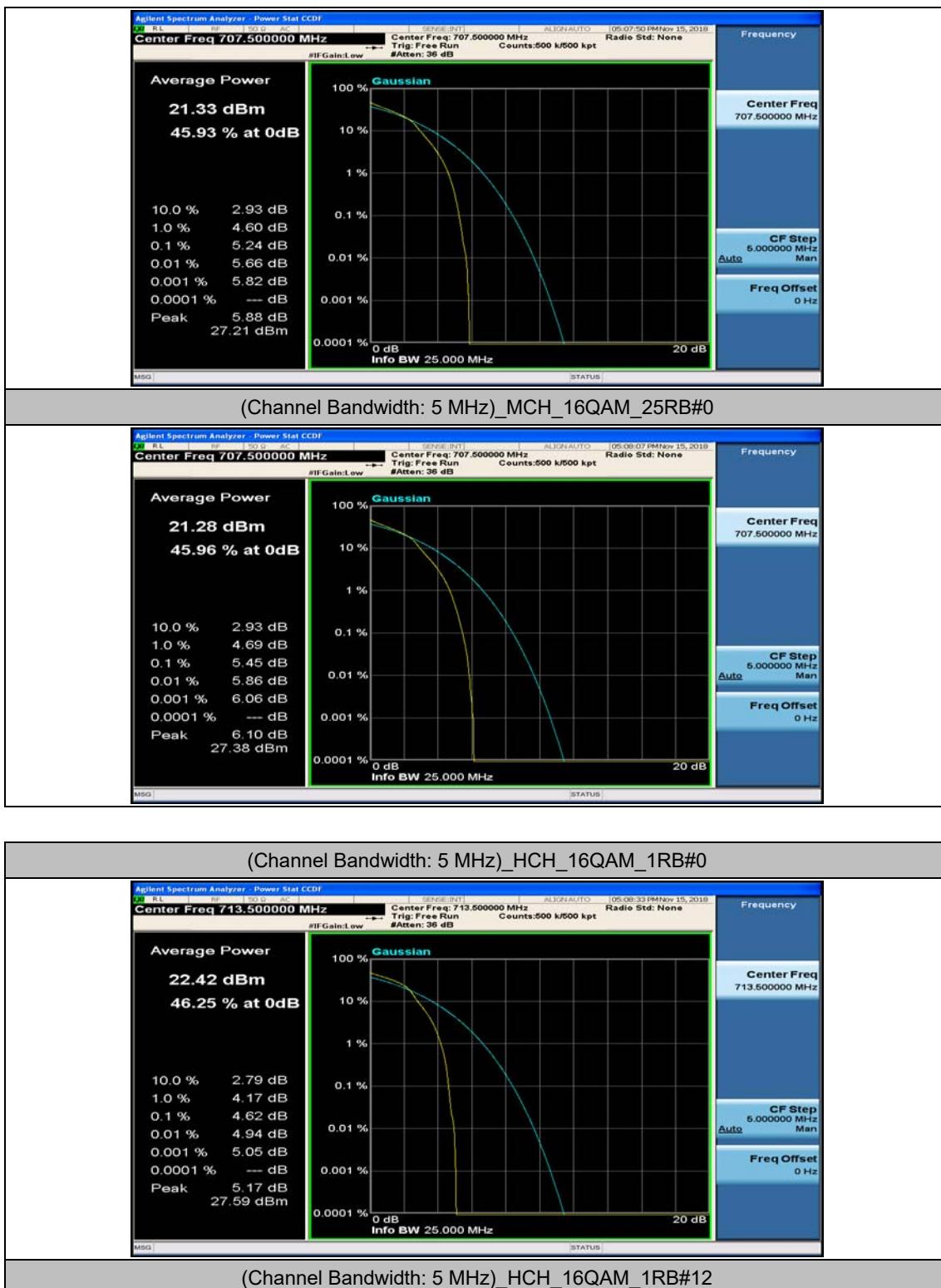


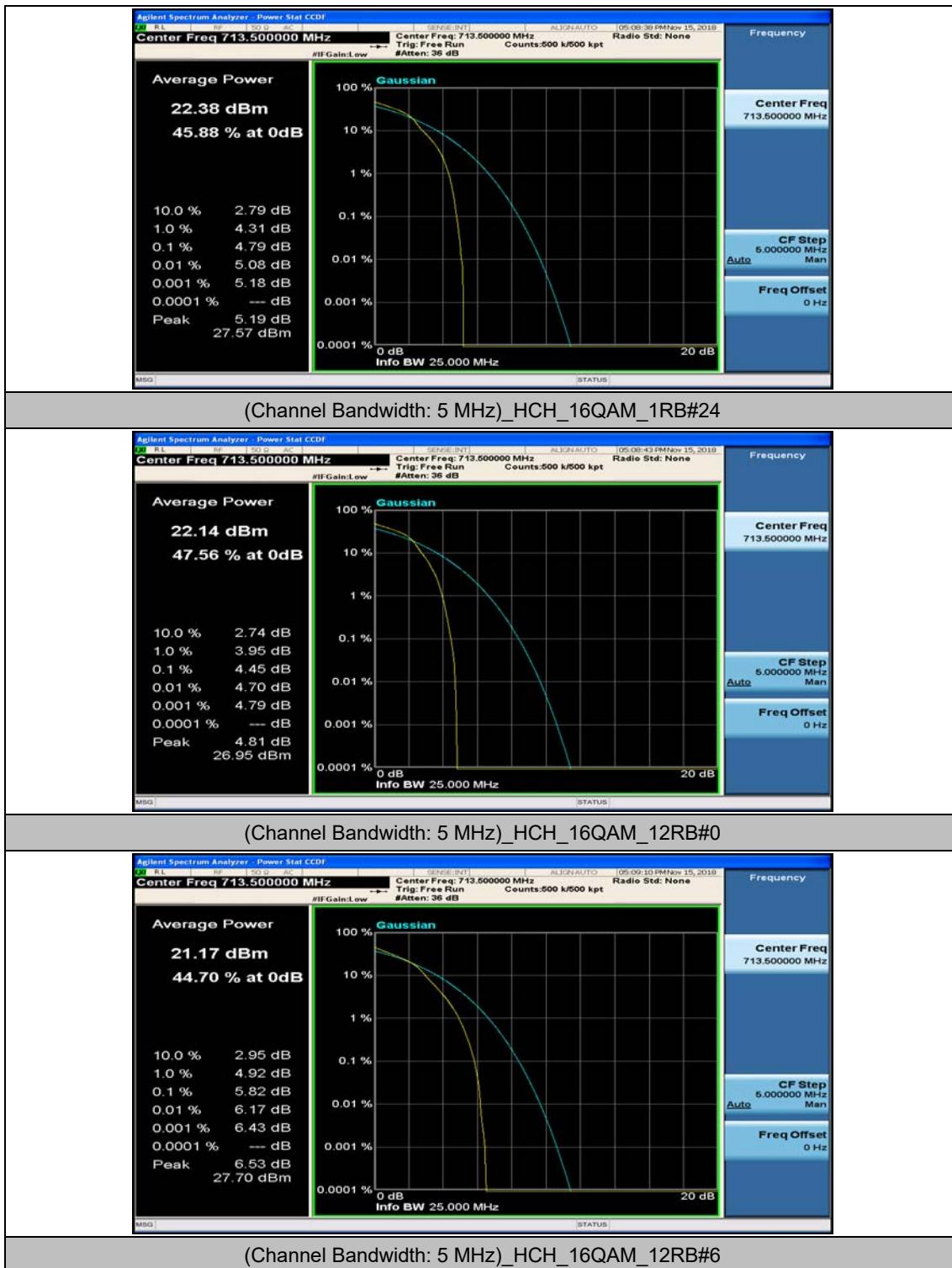


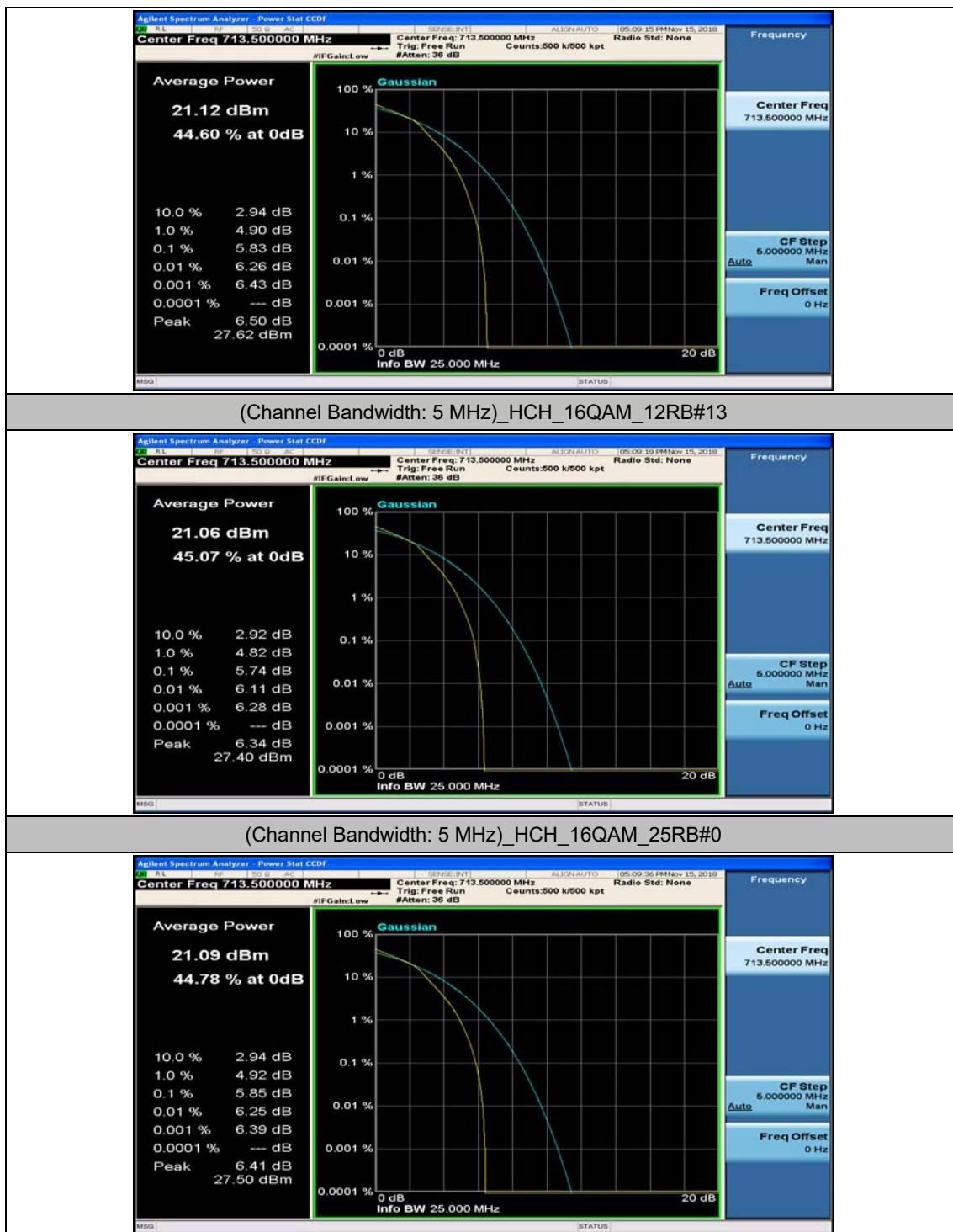




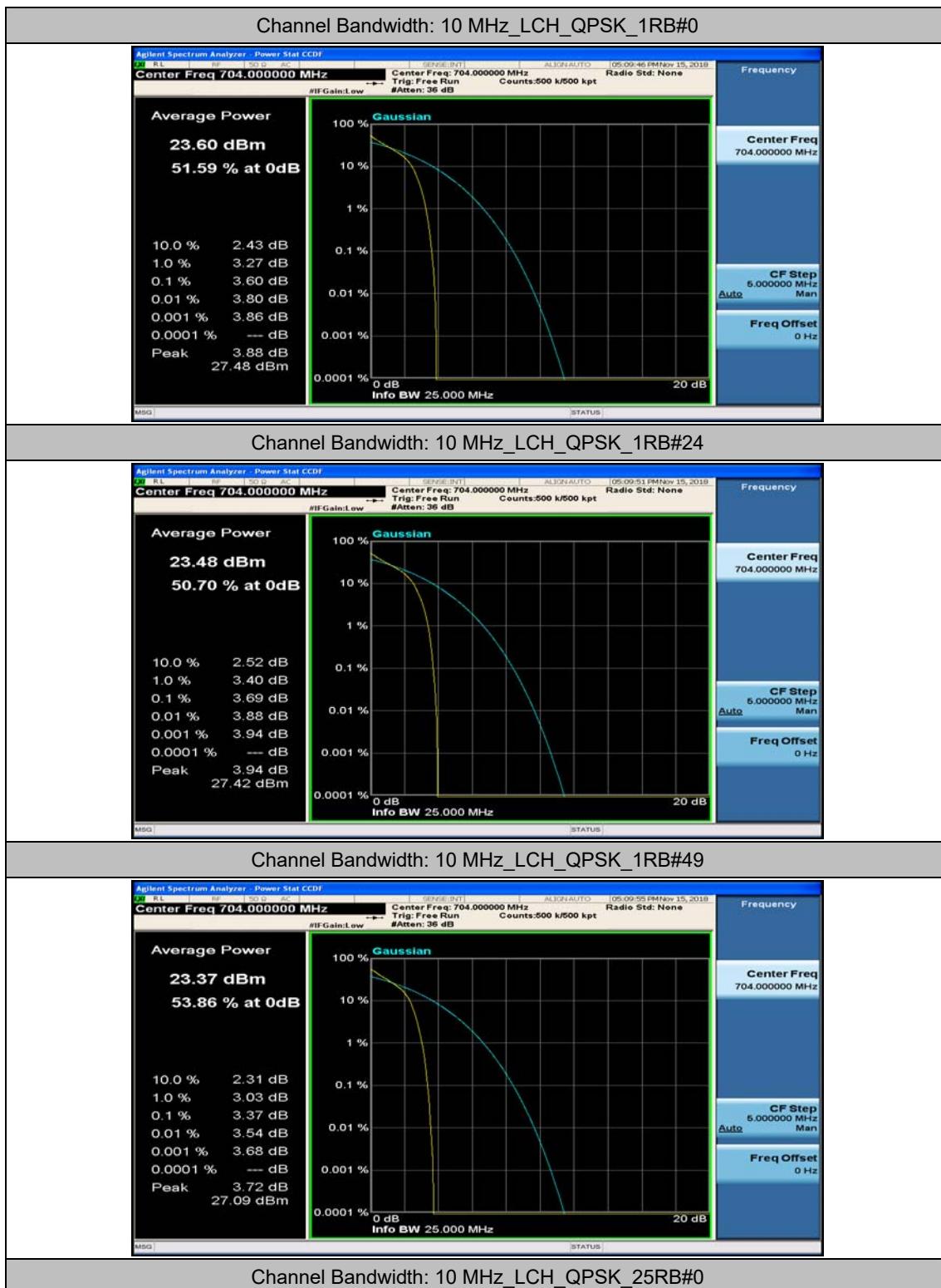


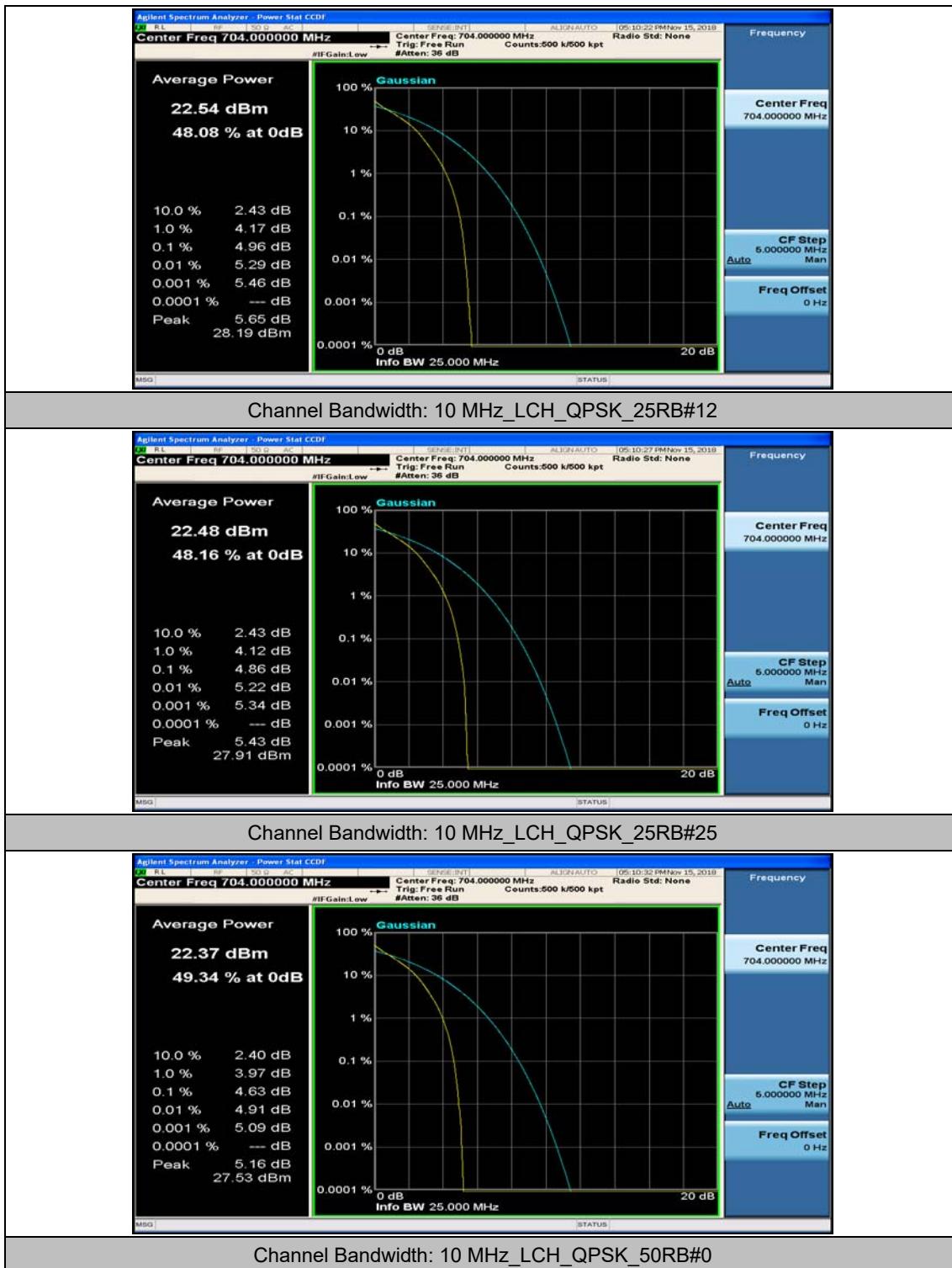


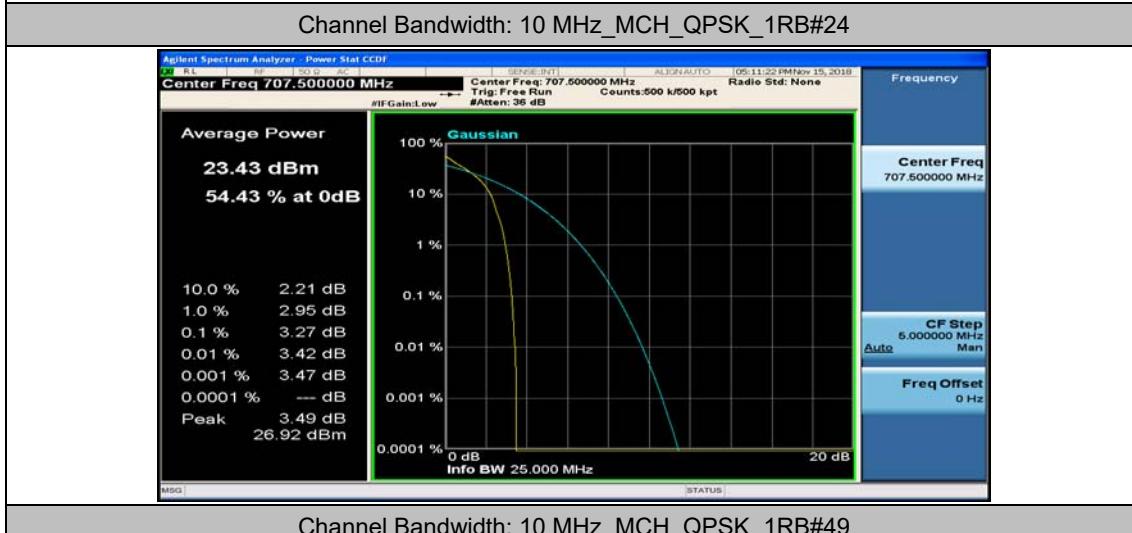
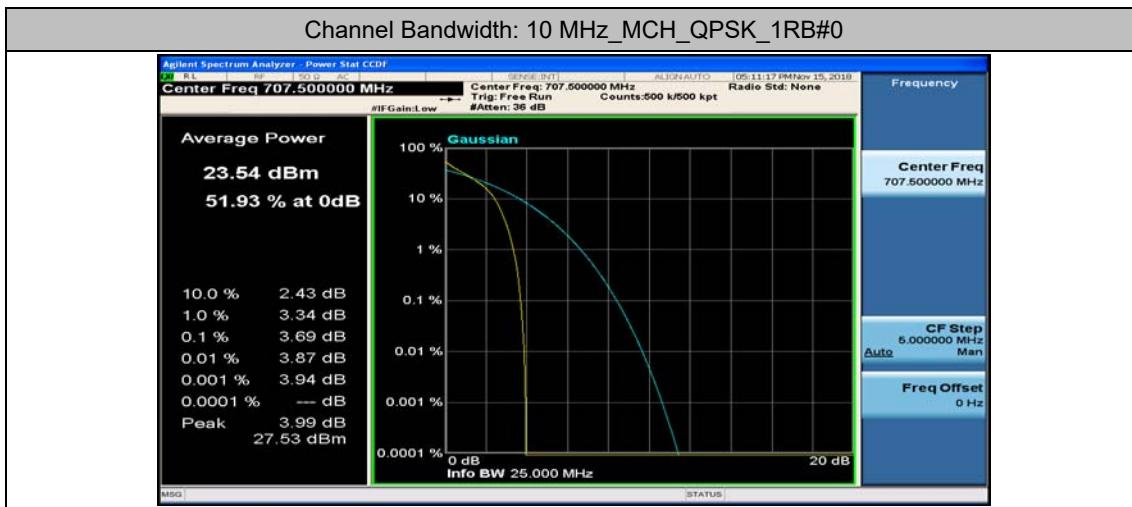
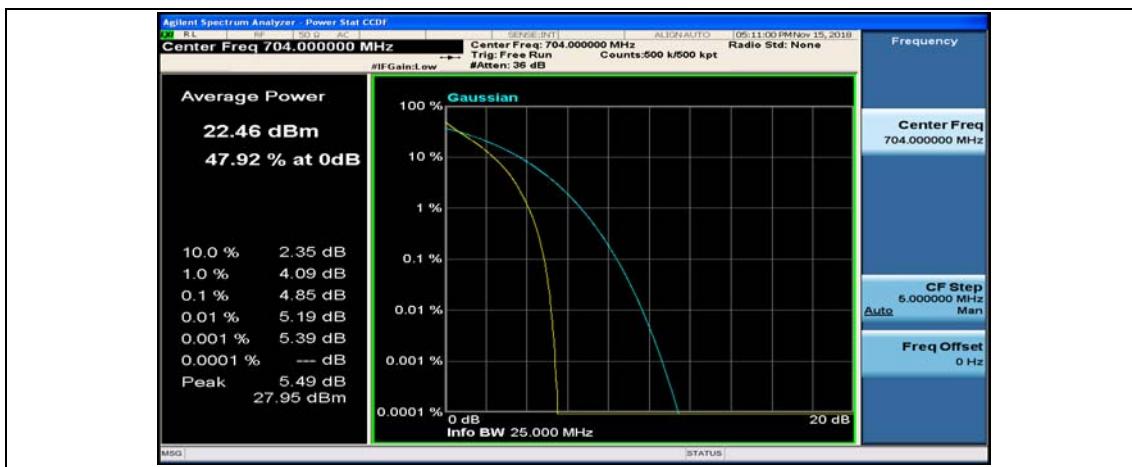




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49