

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	22.86	PASS
		1	3	22.92	PASS
		1	5	22.95	PASS
		3	0	22.43	PASS
		3	2	22.47	PASS
		3	3	22.46	PASS
		6	0	21.92	PASS
	MCH	1	0	21.53	PASS
		1	3	21.58	PASS
		1	5	21.69	PASS
		3	0	21.51	PASS
		3	2	21.75	PASS
		3	3	21.86	PASS
		6	0	20.61	PASS
16QAM	LCH	1	0	22.03	PASS
		1	3	22.04	PASS
		1	5	22.03	PASS
		3	0	22.08	PASS
		3	2	22.01	PASS
		3	3	22.03	PASS
		6	0	21.07	PASS
	MCH	1	0	22.12	PASS
		1	3	22.26	PASS
		1	5	22.22	PASS
		3	0	22.10	PASS
		3	2	22.09	PASS
		3	3	22.09	PASS
		6	0	20.86	PASS

		3	2	20.59	PASS
		3	3	20.52	PASS
		6	0	20.39	PASS
HCH		1	0	21.30	PASS
		1	3	21.38	PASS
		1	5	21.33	PASS
		3	0	21.11	PASS
		3	2	21.07	PASS
		3	3	21.11	PASS
		6	0	21.17	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.82	PASS
		1	7	23.03	PASS
		1	14	23.12	PASS
		8	0	22.00	PASS
		8	4	22.08	PASS
		8	7	22.15	PASS
		15	0	22.03	PASS
	MCH	1	0	21.54	PASS
		1	7	21.57	PASS
		1	14	21.95	PASS
		8	0	21.17	PASS
		8	4	21.30	PASS
		8	7	21.55	PASS
		15	0	21.32	PASS
	HCH	1	0	22.20	PASS
		1	7	22.04	PASS
		1	14	21.97	PASS
		8	0	21.18	PASS
		8	4	21.09	PASS
		8	7	21.07	PASS
		15	0	21.15	PASS
16QAM	LCH	1	0	22.13	PASS
		1	7	22.35	PASS
		1	14	22.34	PASS
		8	0	21.06	PASS
		8	4	21.14	PASS
		8	7	21.16	PASS
		15	0	21.00	PASS

	MCH	1	0	21.70	PASS
		1	7	21.66	PASS
		1	14	21.41	PASS
		8	0	21.27	PASS
		8	4	21.40	PASS
		8	7	21.47	PASS
		15	0	21.41	PASS
	HCH	1	0	21.45	PASS
		1	7	21.30	PASS
		1	14	21.27	PASS
		8	0	21.12	PASS
		8	4	21.04	PASS
		8	7	21.01	PASS
		15	0	21.13	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.98	PASS
		1	12	23.24	PASS
		1	24	22.69	PASS
		12	0	22.09	PASS
		12	6	22.17	PASS
		12	13	22.30	PASS
		25	0	22.09	PASS
	MCH	1	0	21.52	PASS
		1	12	21.53	PASS
		1	24	23.01	PASS
		12	0	21.83	PASS
		12	6	21.86	PASS
		12	13	20.76	PASS
		25	0	21.25	PASS
	HCH	1	0	22.73	PASS
		1	12	22.27	PASS
		1	24	22.05	PASS
		12	0	21.48	PASS
		12	6	21.32	PASS
		12	13	21.16	PASS
		25	0	21.42	PASS
16QAM	LCH	1	0	22.25	PASS
		1	12	22.43	PASS
		1	24	22.07	PASS

		12	0	21.14	PASS
		12	6	21.18	PASS
		12	13	21.29	PASS
		25	0	21.09	PASS
MCH	MCH	1	0	20.76	PASS
		1	12	20.55	PASS
		1	24	22.30	PASS
		12	0	21.04	PASS
		12	6	21.08	PASS
		12	13	21.44	PASS
		25	0	21.34	PASS
HCH	HCH	1	0	21.90	PASS
		1	12	21.41	PASS
		1	24	21.26	PASS
		12	0	21.43	PASS
		12	6	21.25	PASS
		12	13	21.11	PASS
		25	0	21.35	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.92	PASS
		1	24	21.88	PASS
		1	49	21.51	PASS
		25	0	22.05	PASS
		25	12	21.66	PASS
		25	25	21.12	PASS
		50	0	22.03	PASS
	MCH	1	0	23.27	PASS
		1	24	21.87	PASS
		1	49	22.49	PASS
		25	0	22.47	PASS
		25	12	22.48	PASS
		25	25	22.37	PASS
		50	0	21.60	PASS
	HCH	1	0	21.99	PASS
		1	24	22.77	PASS
		1	49	22.02	PASS
		25	0	21.25	PASS
		25	12	21.63	PASS
		25	25	21.40	PASS

		50	0	21.65	PASS
16QAM	LCH	1	0	22.24	PASS
		1	24	21.24	PASS
		1	49	20.78	PASS
		25	0	21.10	PASS
		25	12	20.89	PASS
		25	25	21.27	PASS
		50	0	20.95	PASS
	MCH	1	0	22.42	PASS
		1	24	21.37	PASS
		1	49	21.91	PASS
		25	0	21.44	PASS
		25	12	21.30	PASS
		25	25	20.83	PASS
		50	0	20.70	PASS
	HCH	1	0	21.39	PASS
		1	24	22.04	PASS
		1	49	21.31	PASS
		25	0	21.37	PASS
		25	12	21.49	PASS
		25	25	21.32	PASS
		50	0	21.45	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	5.59	<13	PASS
		1	3	5.15	<13	PASS
		1	5	4.96	<13	PASS
		3	0	5.51	<13	PASS
		3	2	5.28	<13	PASS
		3	3	5.17	<13	PASS
		6	0	5.67	<13	PASS
	MCH	1	0	5.62	<13	PASS
		1	3	5.87	<13	PASS
		1	5	5.79	<13	PASS
		3	0	6.36	<13	PASS
		3	2	6.16	<13	PASS
		3	3	6.36	<13	PASS
		6	0	6.19	<13	PASS
16QAM	LCH	1	0	5.16	<13	PASS
		1	3	5.37	<13	PASS
		1	5	5.43	<13	PASS
		3	0	5.19	<13	PASS
		3	2	5.6	<13	PASS
		3	3	5.64	<13	PASS
		6	0	5.72	<13	PASS
	MCH	1	0	6.54	<13	PASS
		1	3	6.03	<13	PASS
		1	5	5.96	<13	PASS
		3	0	6.23	<13	PASS
		3	2	5.98	<13	PASS
		3	3	5.96	<13	PASS
		6	0	6.69	<13	PASS

		3	3	7.41	<13	PASS
		6	0	6.9	<13	PASS
HCH	1	0	5.76	<13	PASS	
	1	3	6.15	<13	PASS	
	1	5	6.28	<13	PASS	
	3	0	6.05	<13	PASS	
	3	2	6.41	<13	PASS	
	3	3	6.54	<13	PASS	
	6	0	6.48	<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	5.4	<13	PASS
		1	7	4.71	<13	PASS
		1	14	4.25	<13	PASS
		8	0	5.51	<13	PASS
		8	4	5.28	<13	PASS
		8	7	4.9	<13	PASS
		15	0	5.21	<13	PASS
	MCH	1	0	6.19	<13	PASS
		1	7	6.04	<13	PASS
		1	14	6.09	<13	PASS
		8	0	6.27	<13	PASS
		8	4	6.24	<13	PASS
		8	7	6.27	<13	PASS
		15	0	6.45	<13	PASS
	HCH	1	0	4.35	<13	PASS
		1	7	4.96	<13	PASS
		1	14	5.53	<13	PASS
		8	0	4.88	<13	PASS
		8	4	5.3	<13	PASS
		8	7	5.53	<13	PASS
		15	0	5.28	<13	PASS
16QAM	LCH	1	0	6.45	<13	PASS
		1	7	5.62	<13	PASS
		1	14	5.17	<13	PASS
		8	0	6.25	<13	PASS
		8	4	5.92	<13	PASS
		8	7	5.7	<13	PASS

		15	0	6.19	<13	PASS
MCH	1	0		6.9	<13	PASS
	1	7		6.94	<13	PASS
	1	14		6.96	<13	PASS
	8	0		6.76	<13	PASS
	8	4		6.72	<13	PASS
	8	7		6.82	<13	PASS
	15	0		7.13	<13	PASS
HCH	1	0		5.24	<13	PASS
	1	7		6.09	<13	PASS
	1	14		6.34	<13	PASS
	8	0		5.96	<13	PASS
	8	4		6.29	<13	PASS
	8	7		6.53	<13	PASS
	15	0		6.07	<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	5.55	<13	PASS
		1	12	4.35	<13	PASS
		1	24	5.38	<13	PASS
		12	0	5.31	<13	PASS
		12	6	4.93	<13	PASS
		12	13	5.01	<13	PASS
		25	0	5.17	<13	PASS
QPSK	MCH	1	0	5.81	<13	PASS
		1	12	6.2	<13	PASS
		1	24	6.06	<13	PASS
		12	0	6.03	<13	PASS
		12	6	5.85	<13	PASS
		12	13	6.06	<13	PASS
		25	0	6.29	<13	PASS
QPSK	HCH	1	0	5.24	<13	PASS
		1	12	4.25	<13	PASS
		1	24	5.53	<13	PASS
		12	0	5.2	<13	PASS
		12	6	5.05	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.33	<13	PASS

16QAM	LCH	1	0	6.08	<13	PASS
		1	12	5.24	<13	PASS
		1	24	6.03	<13	PASS
		12	0	6.18	<13	PASS
		12	6	5.84	<13	PASS
		12	13	5.82	<13	PASS
		25	0	5.9	<13	PASS
	MCH	1	0	7.26	<13	PASS
		1	12	7.18	<13	PASS
		1	24	7.18	<13	PASS
		12	0	6.72	<13	PASS
		12	6	6.72	<13	PASS
		12	13	6.77	<13	PASS
		25	0	6.88	<13	PASS
	HCH	1	0	6.25	<13	PASS
		1	12	5.16	<13	PASS
		1	24	6.6	<13	PASS
		12	0	5.95	<13	PASS
		12	6	5.79	<13	PASS
		12	13	6.01	<13	PASS
		25	0	6.03	<13	PASS

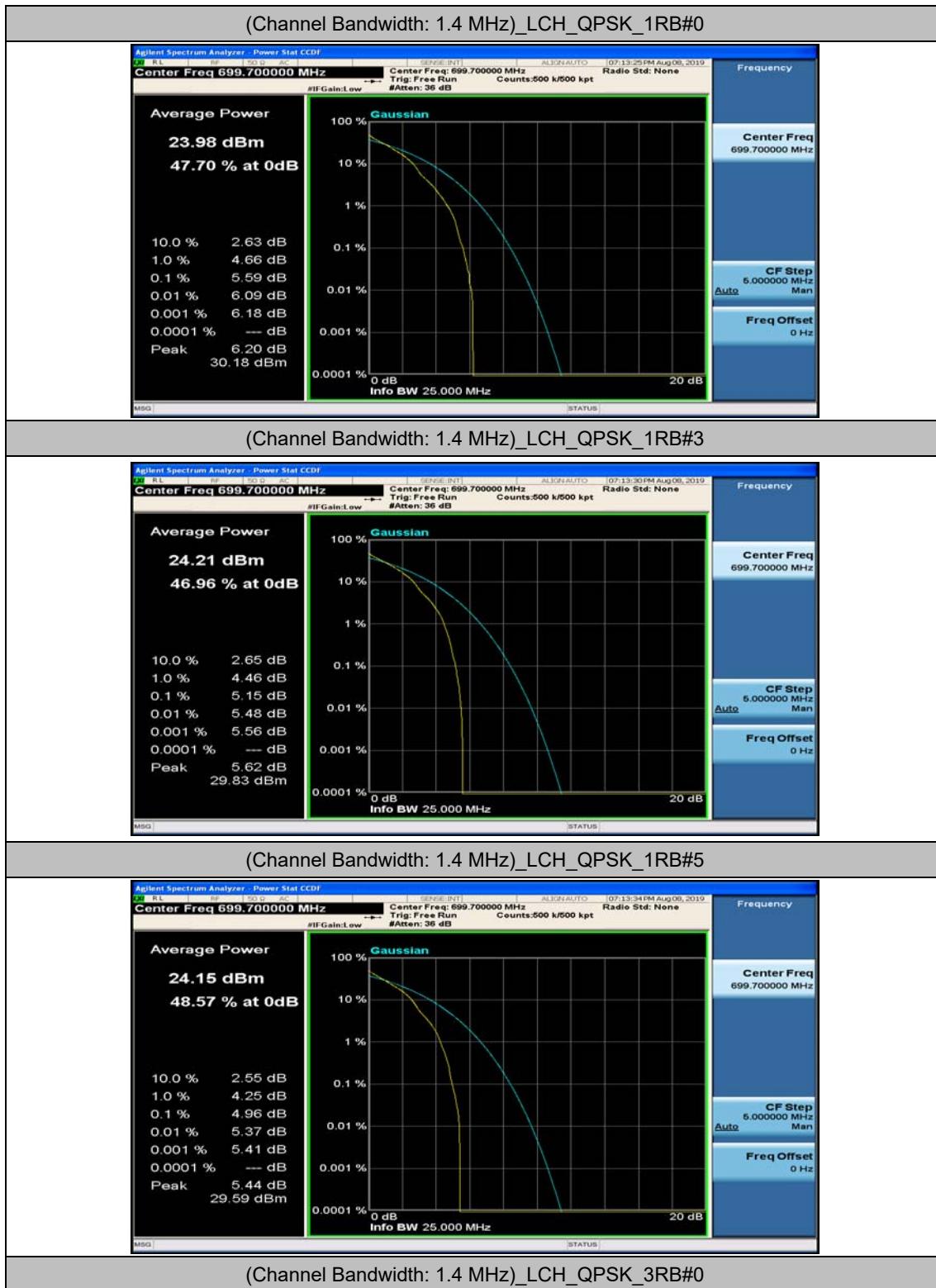
Channel Bandwidth: 10 MHz

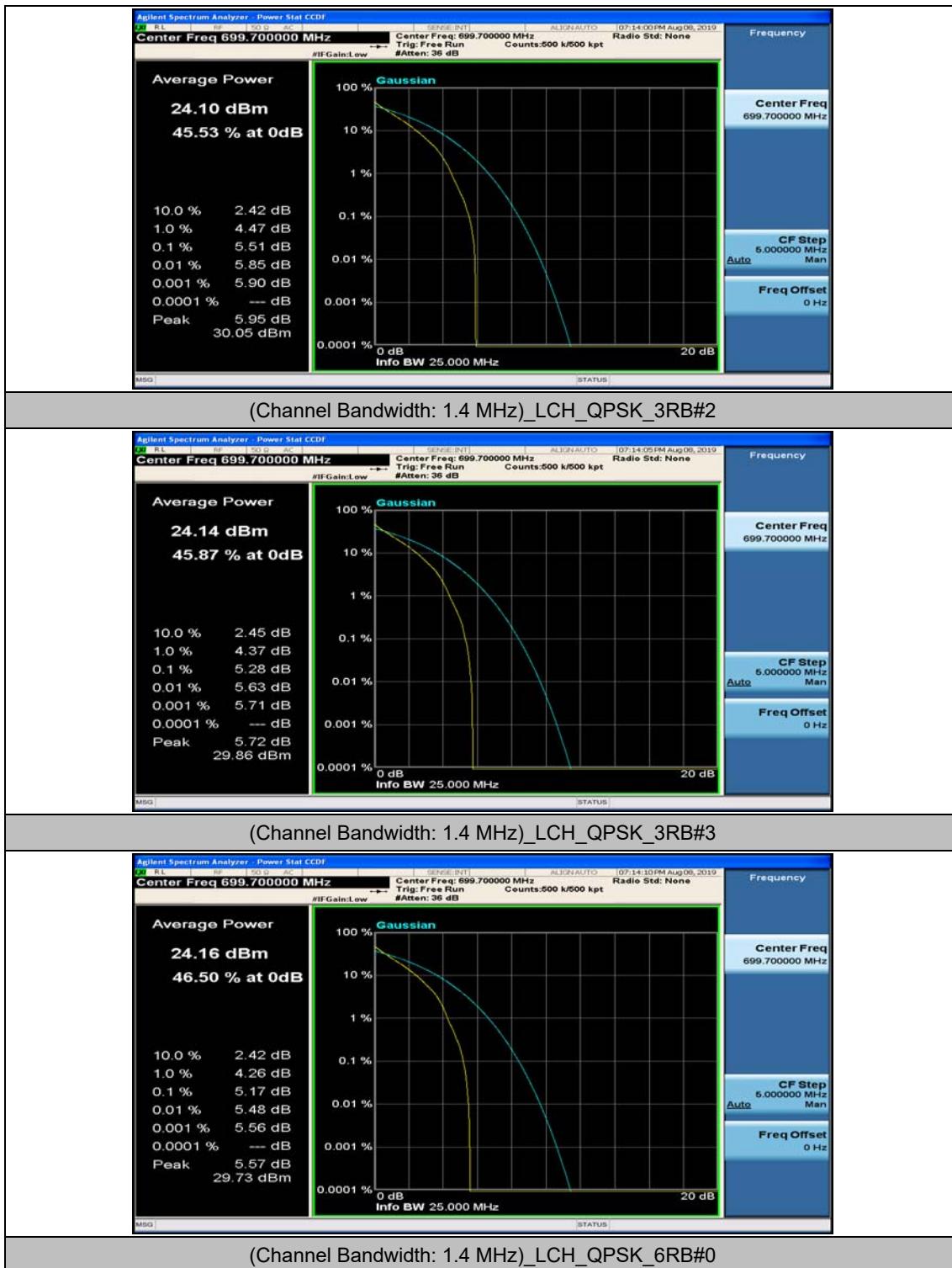
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.21	<13	PASS
		1	24	5.44	<13	PASS
		1	49	6.2	<13	PASS
		25	0	5.06	<13	PASS
		25	12	5.65	<13	PASS
		25	25	6.28	<13	PASS
		50	0	5.75	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	24	6.02	<13	PASS
		1	49	4.72	<13	PASS
		25	0	6.12	<13	PASS
		25	12	6.25	<13	PASS
		25	25	5.86	<13	PASS
		50	0	6.09	<13	PASS
	HCH	1	0	6.05	<13	PASS

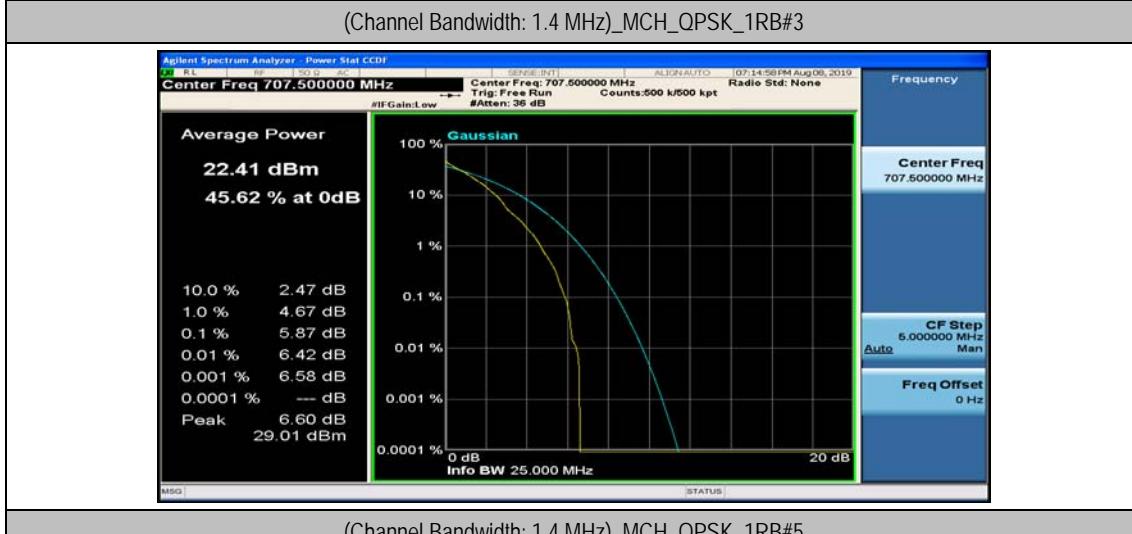
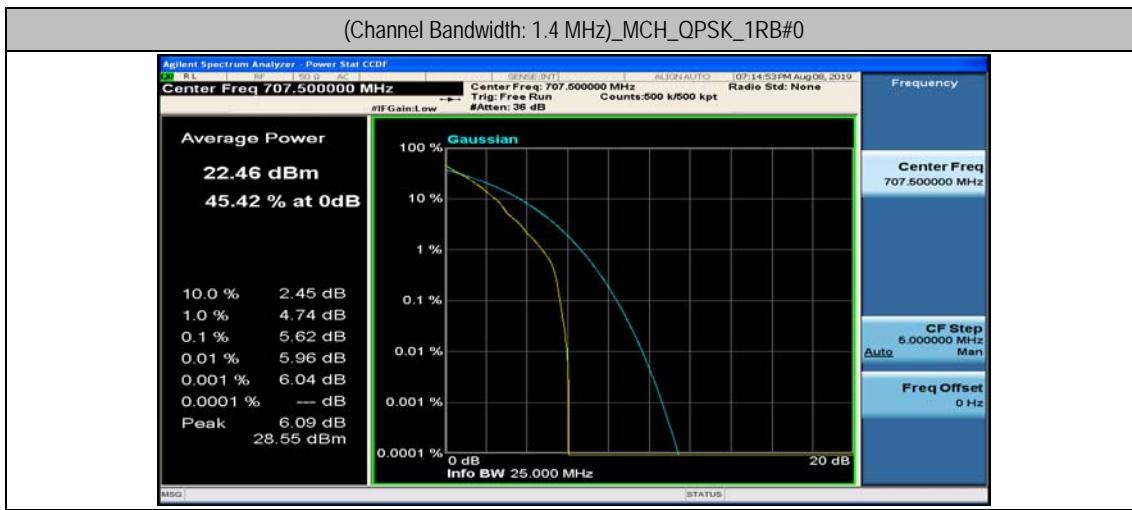
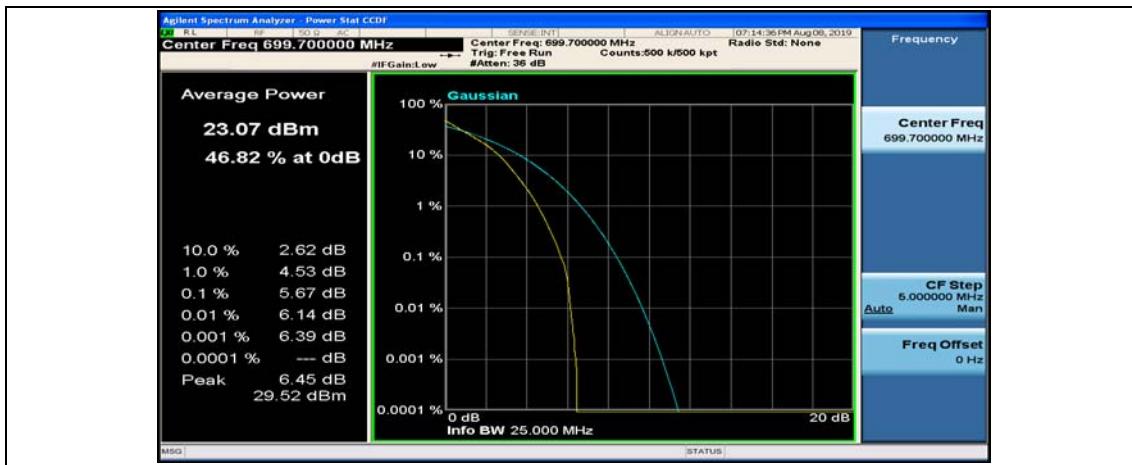
		1	24	5.44	<13	PASS
		1	49	5.44	<13	PASS
		25	0	6.09	<13	PASS
		25	12	5.3	<13	PASS
		25	25	5.07	<13	PASS
		50	0	5.14	<13	PASS
16QAM	LCH	1	0	6.26	<13	PASS
		1	24	6.6	<13	PASS
		1	49	7.3	<13	PASS
		25	0	5.95	<13	PASS
		25	12	6.43	<13	PASS
		25	25	6.98	<13	PASS
		50	0	6.38	<13	PASS
	MCH	1	0	5.42	<13	PASS
		1	24	6.81	<13	PASS
		1	49	5.63	<13	PASS
		25	0	6.7	<13	PASS
		25	12	6.99	<13	PASS
		25	25	6.68	<13	PASS
		50	0	6.72	<13	PASS
	HCH	1	0	7.27	<13	PASS
		1	24	6.63	<13	PASS
		1	49	6.58	<13	PASS
		25	0	6.97	<13	PASS
		25	12	6.3	<13	PASS
		25	25	6.04	<13	PASS
		50	0	6.13	<13	PASS

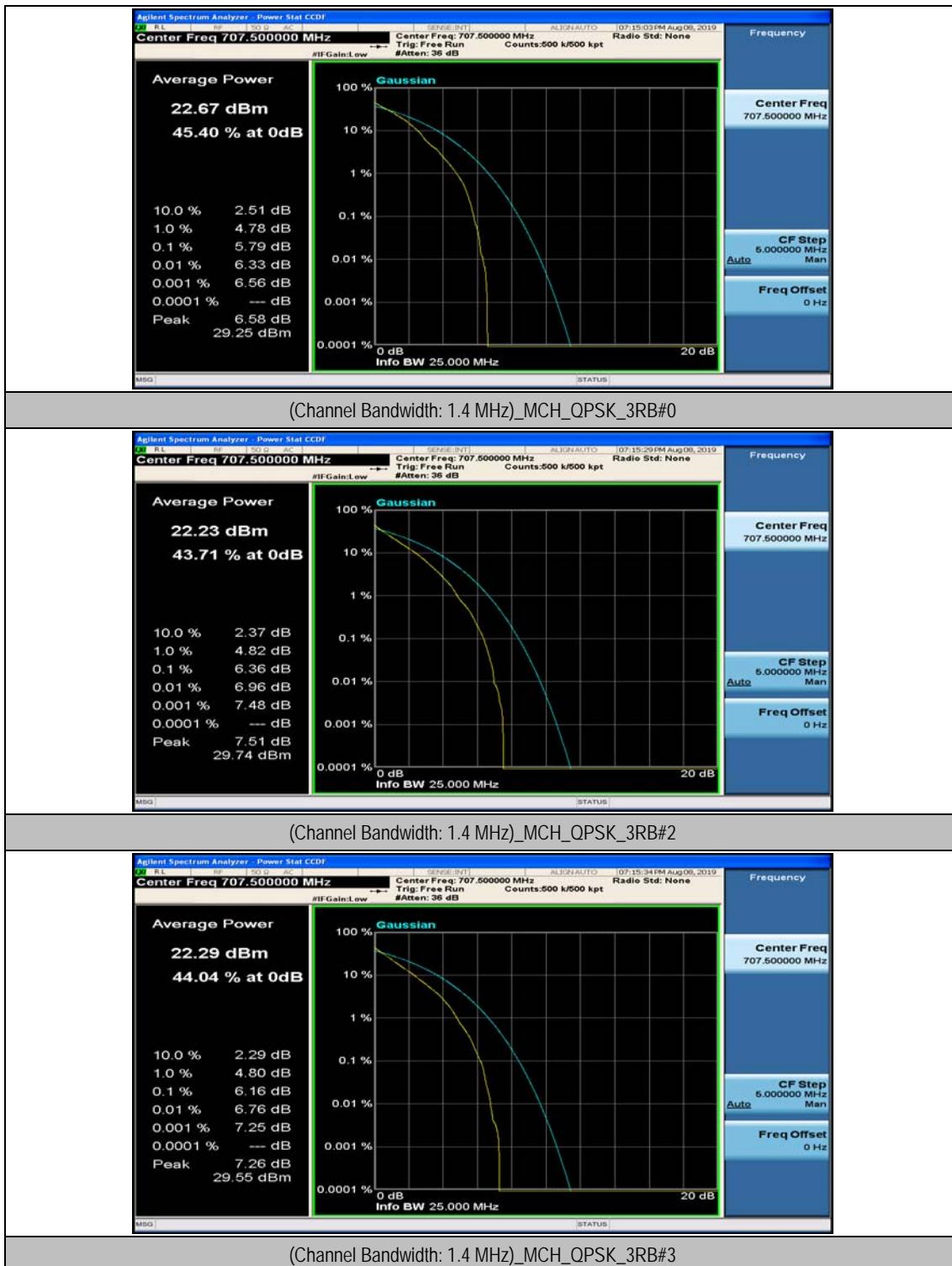
Test Graphs

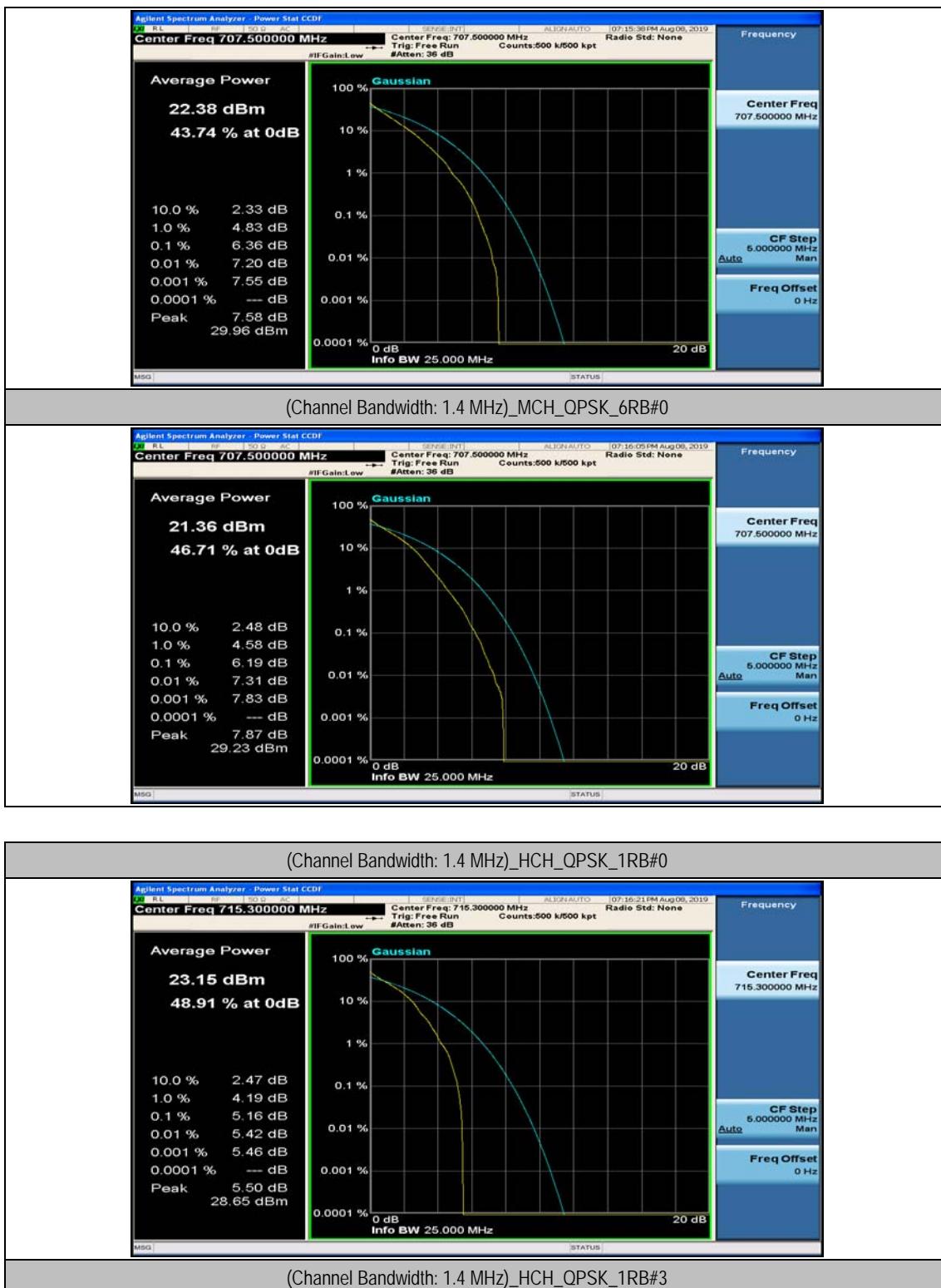
Channel Bandwidth: 1.4 MHz

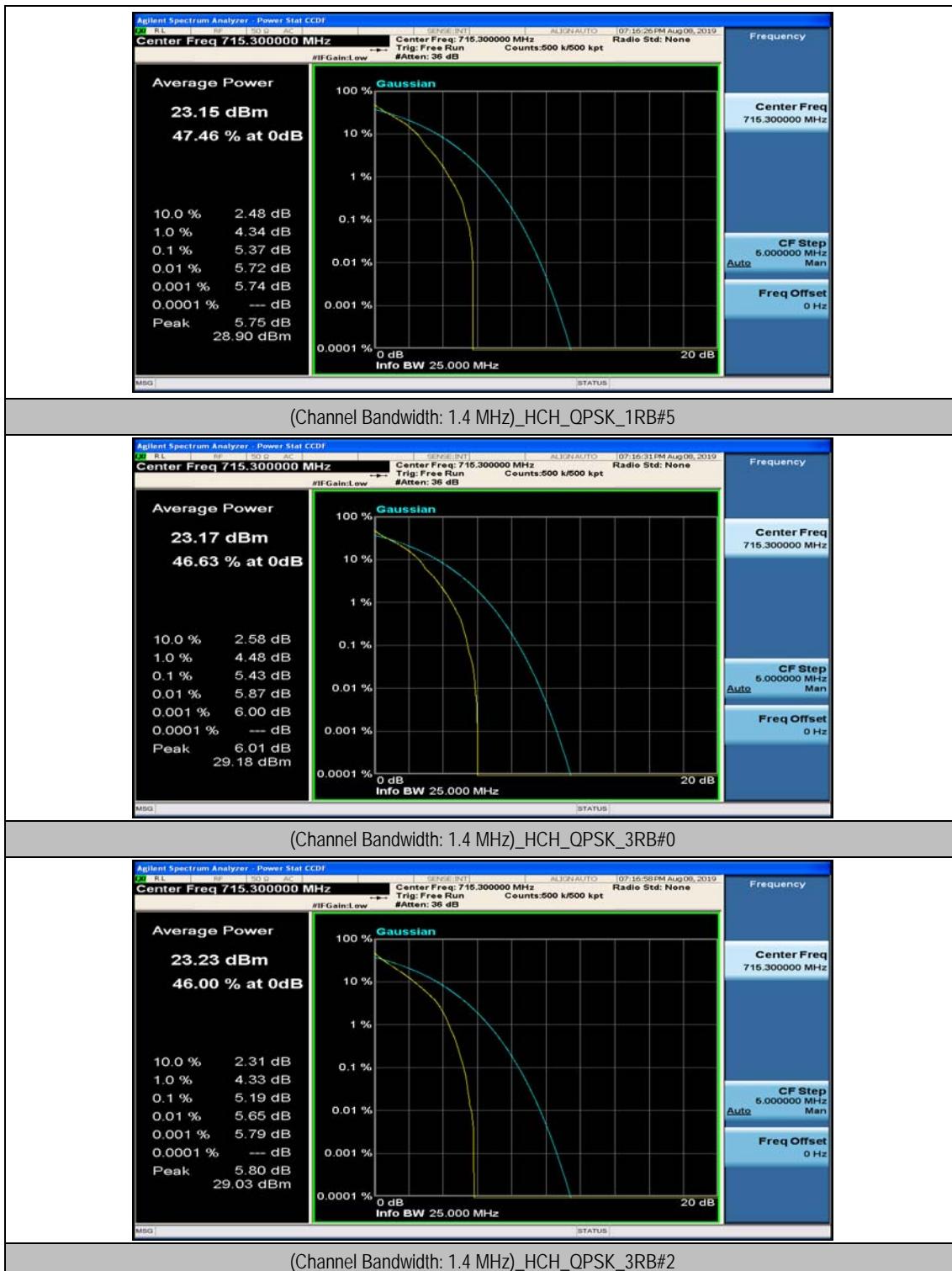


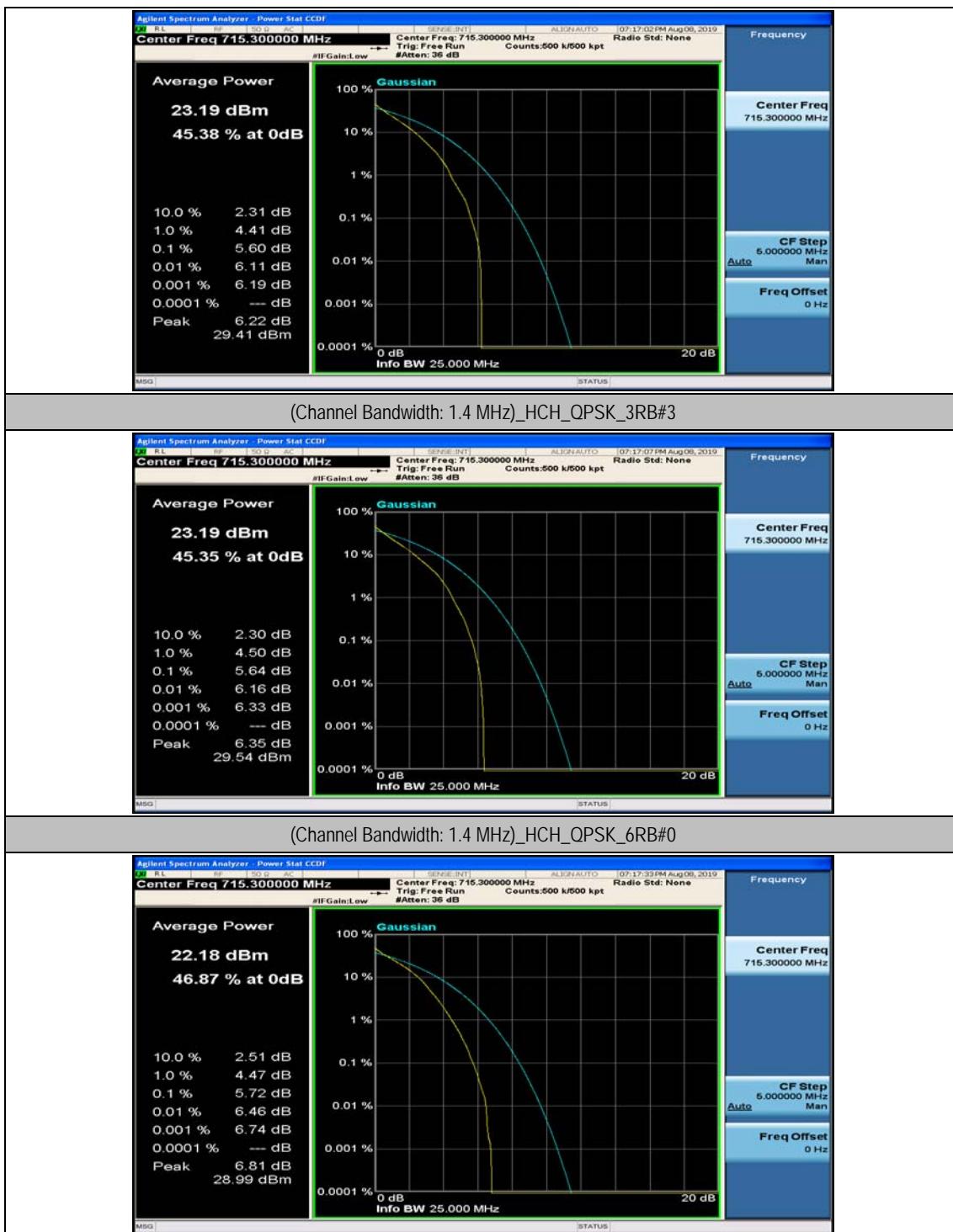


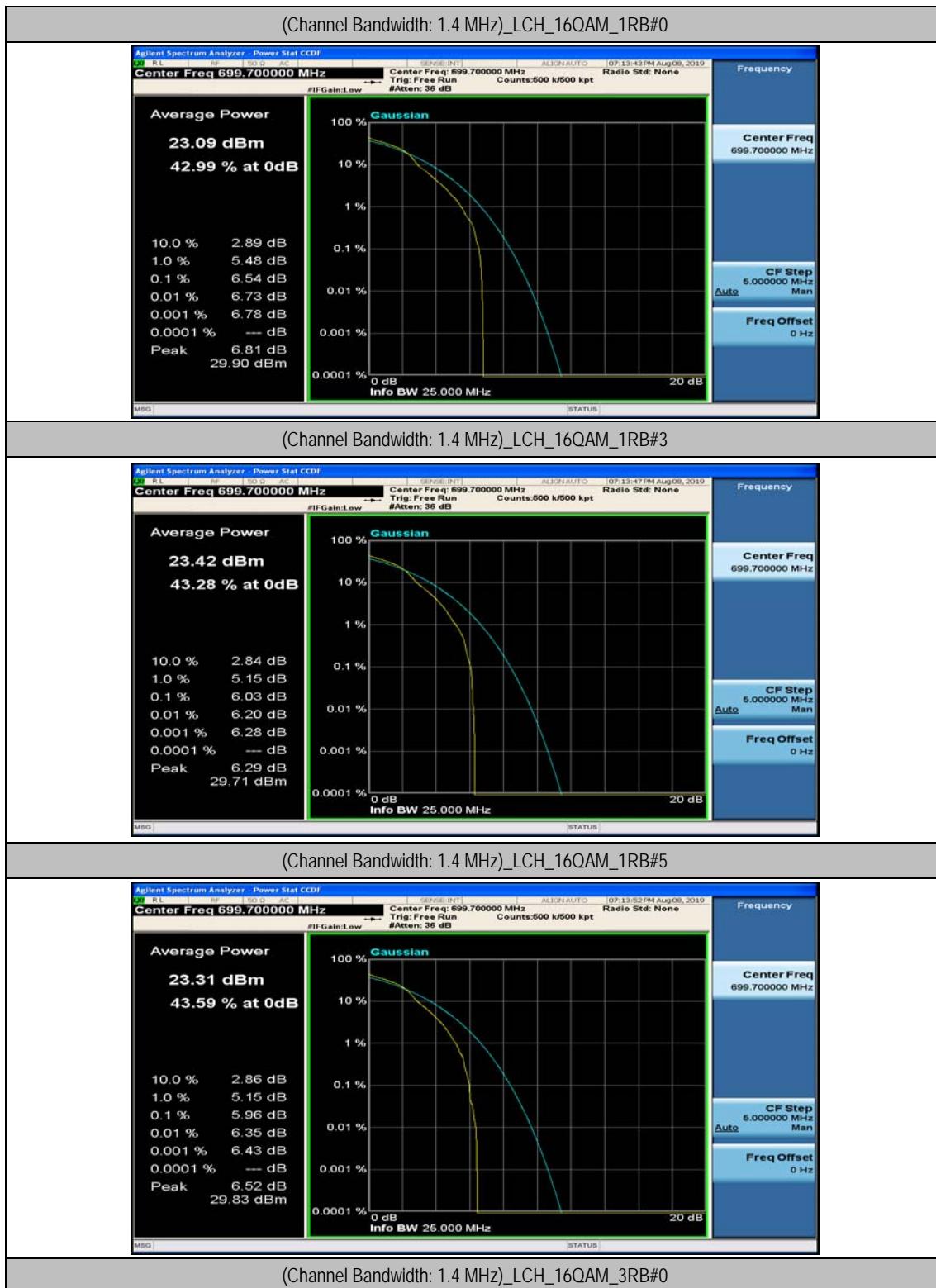


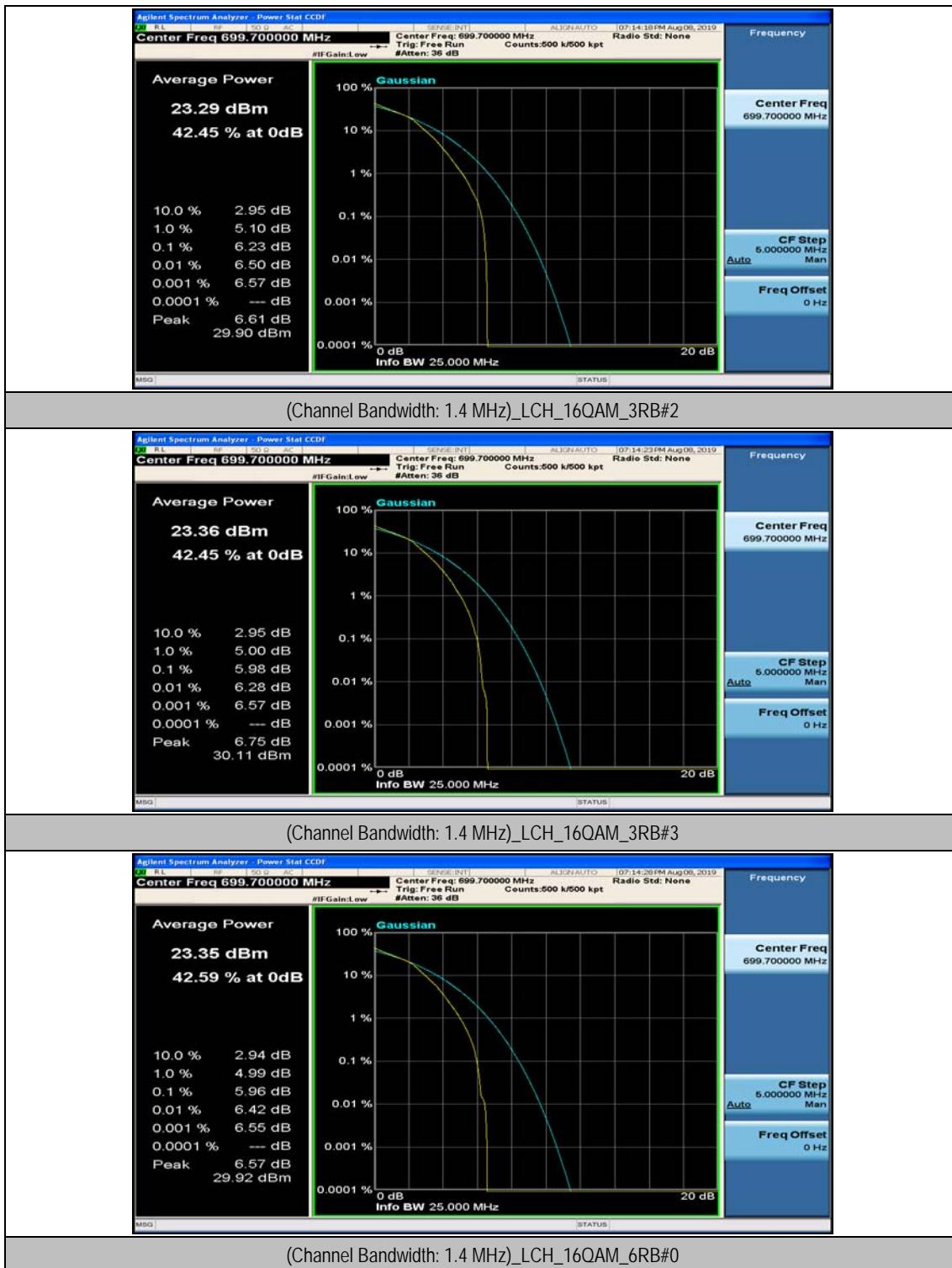


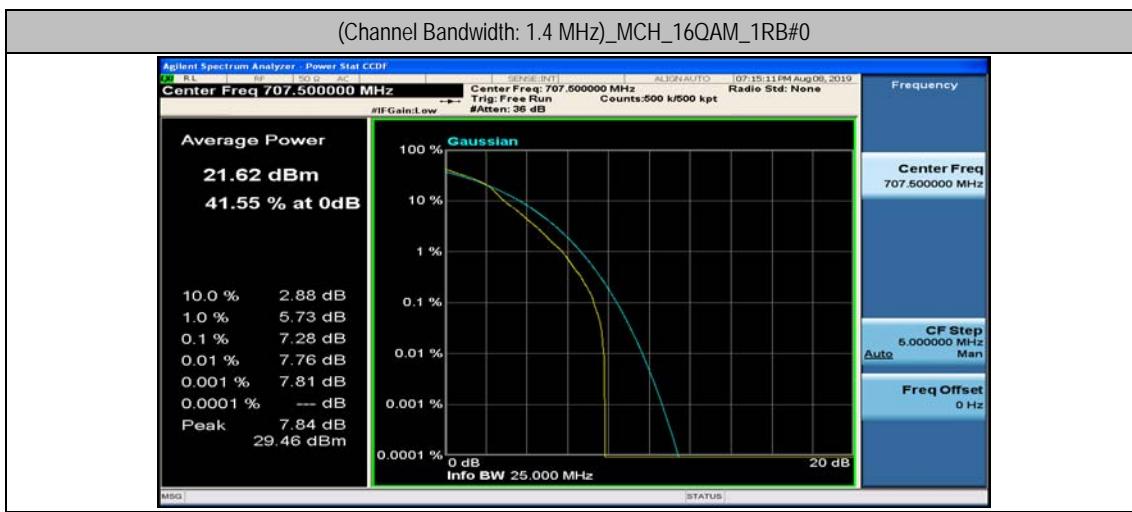
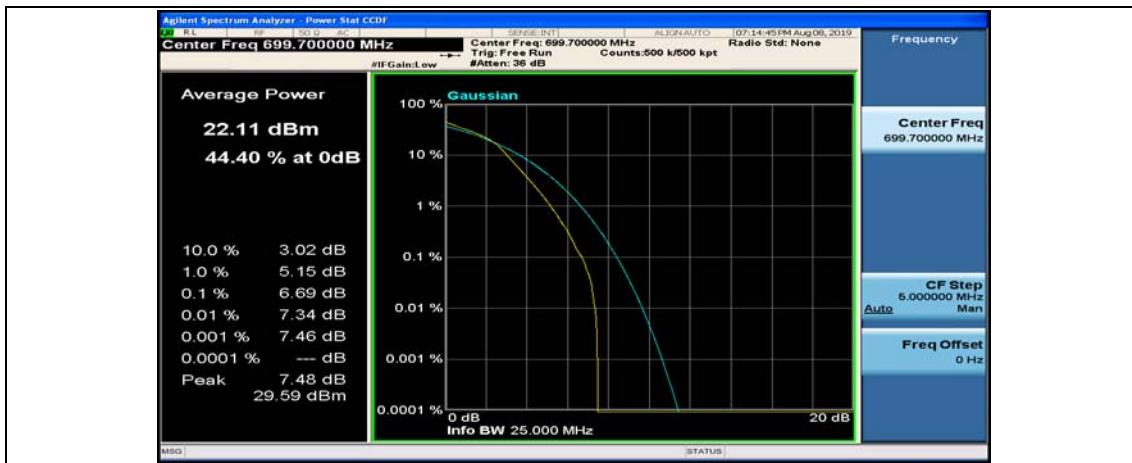


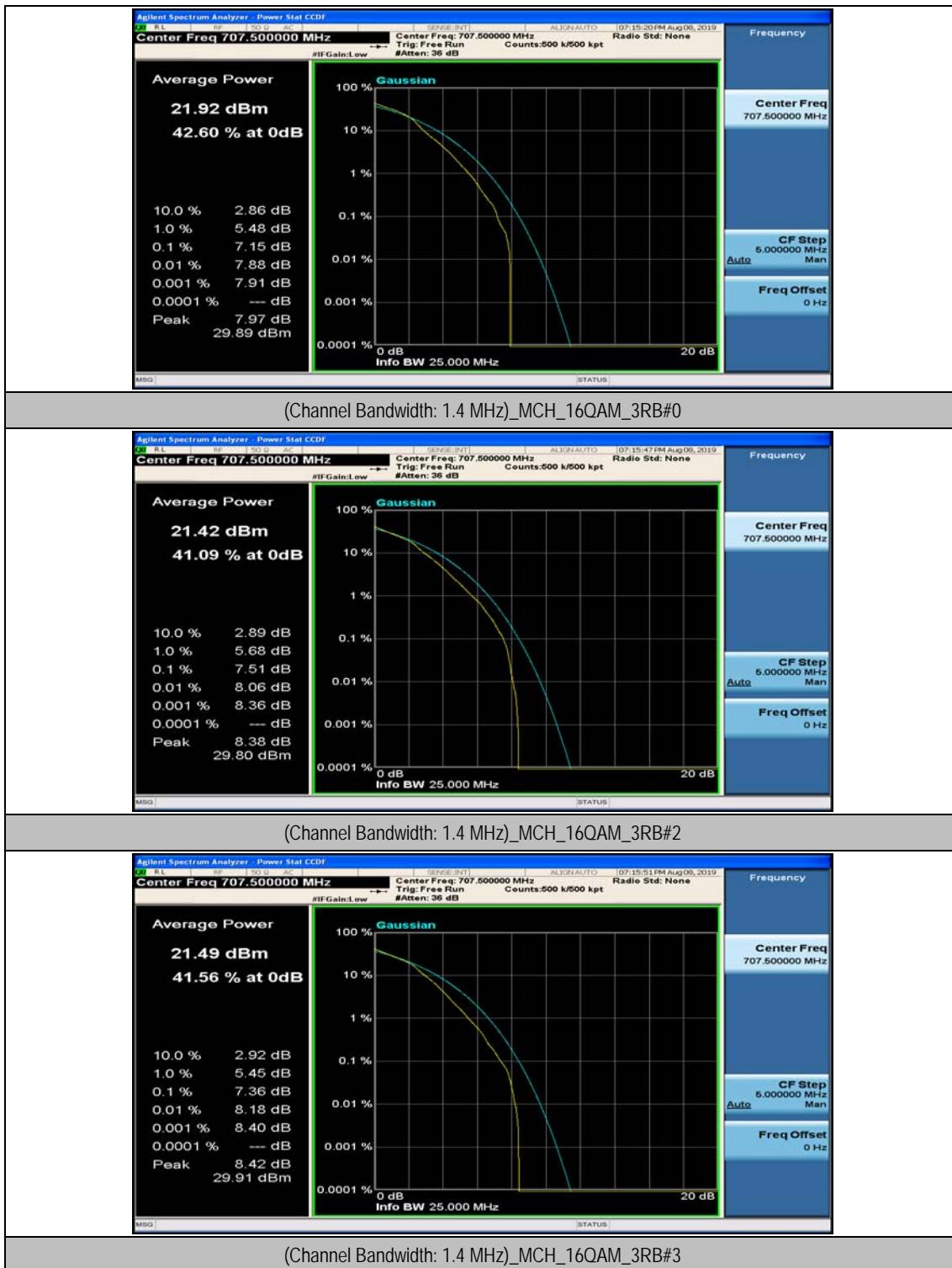


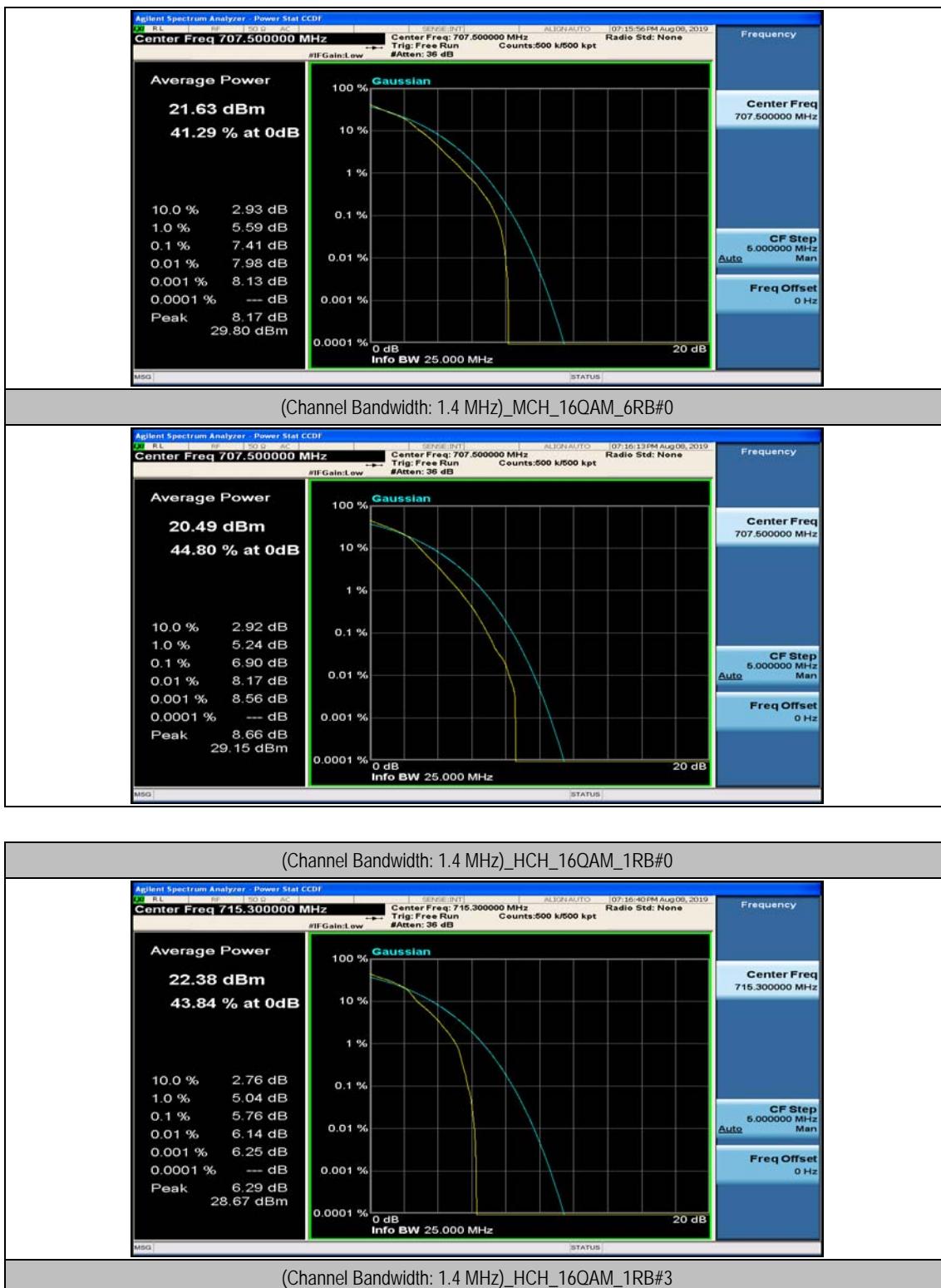


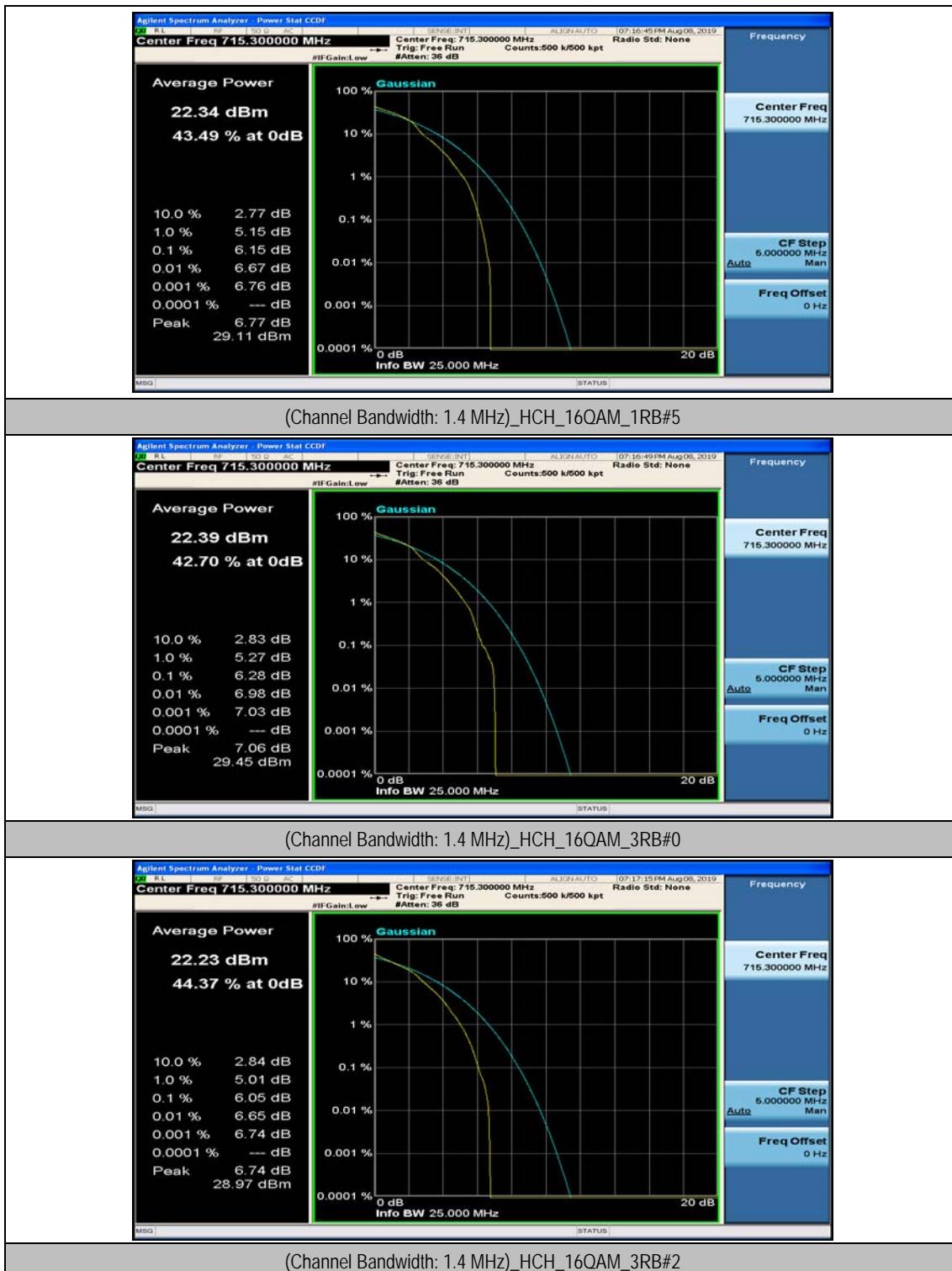


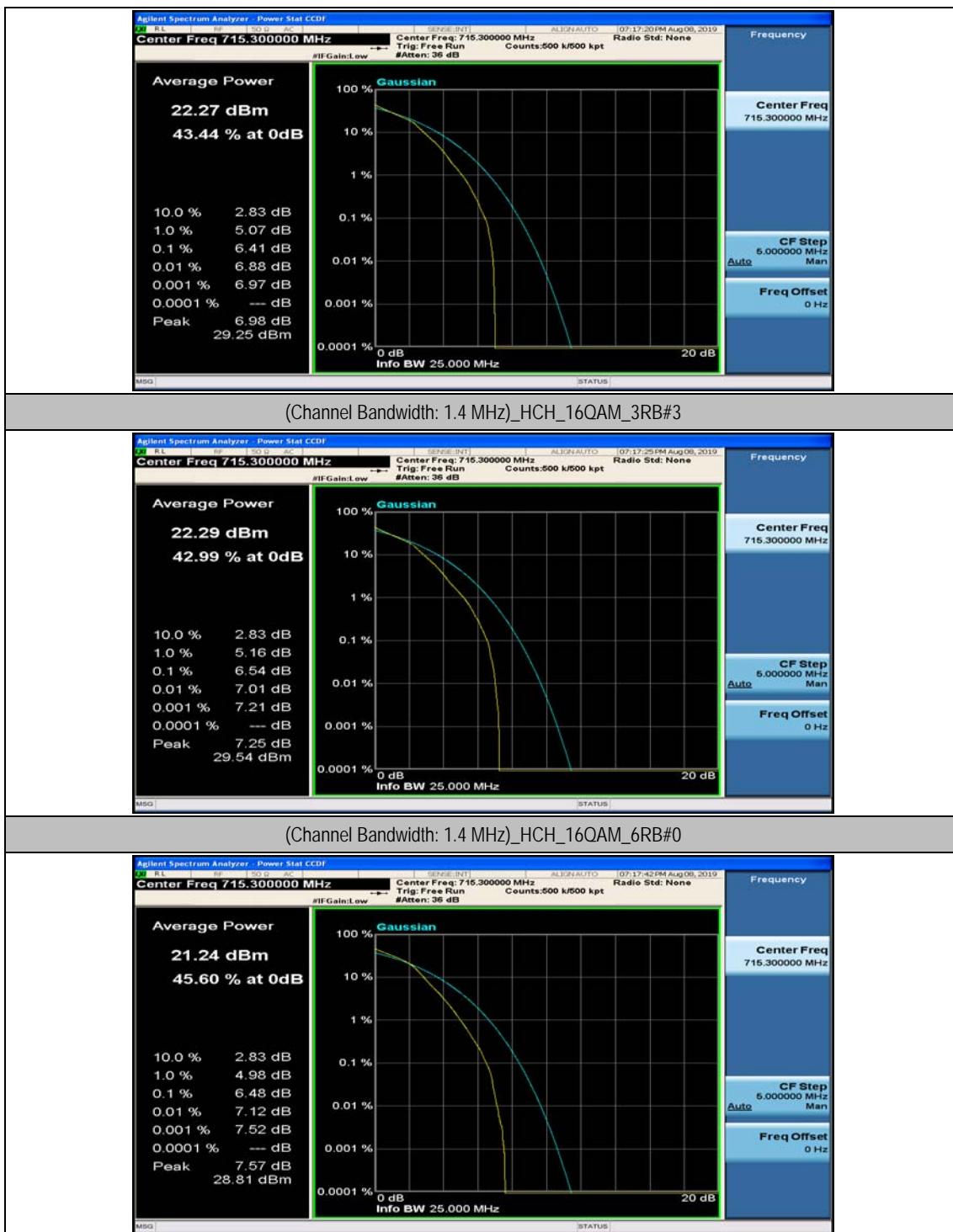




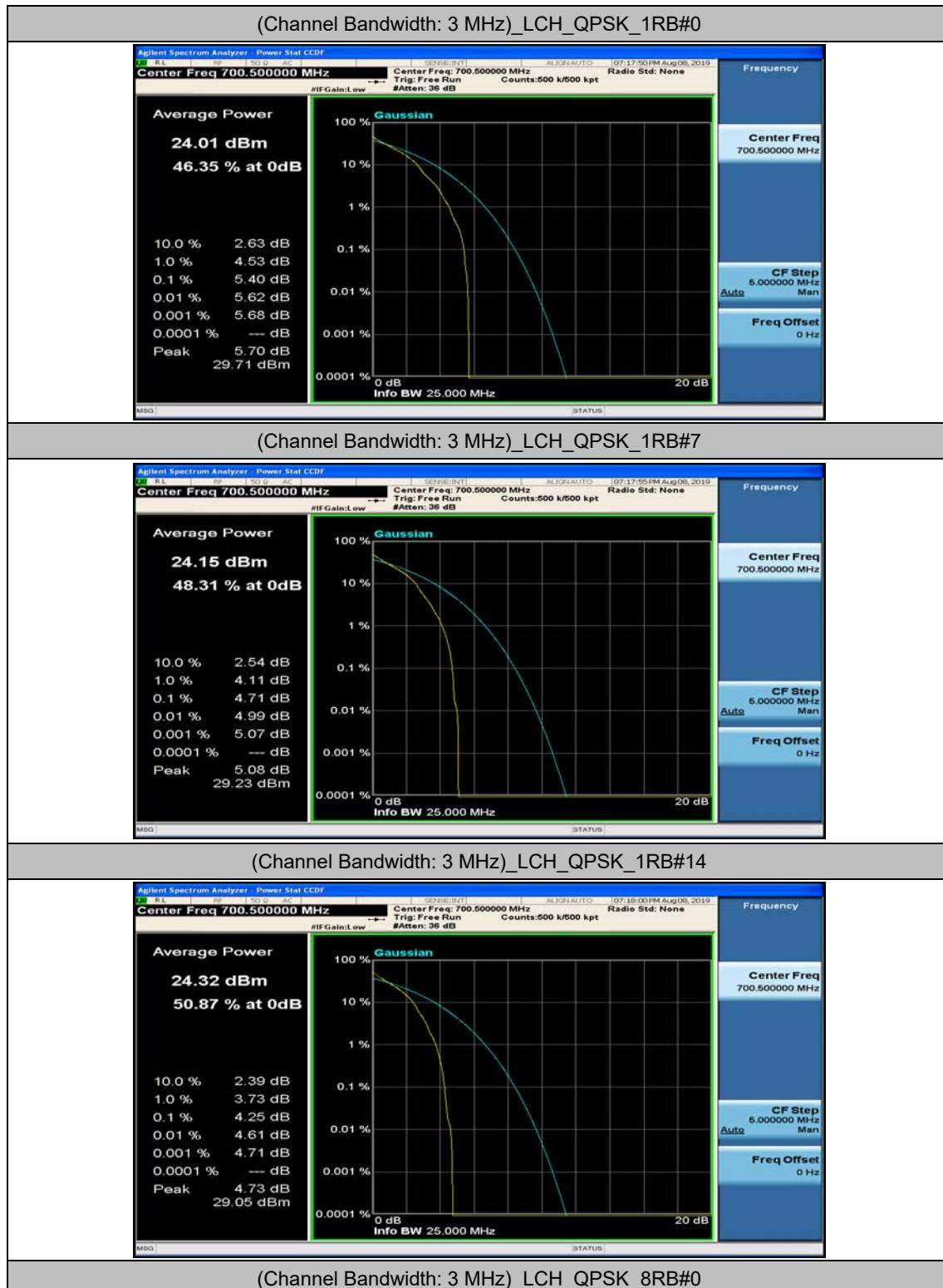


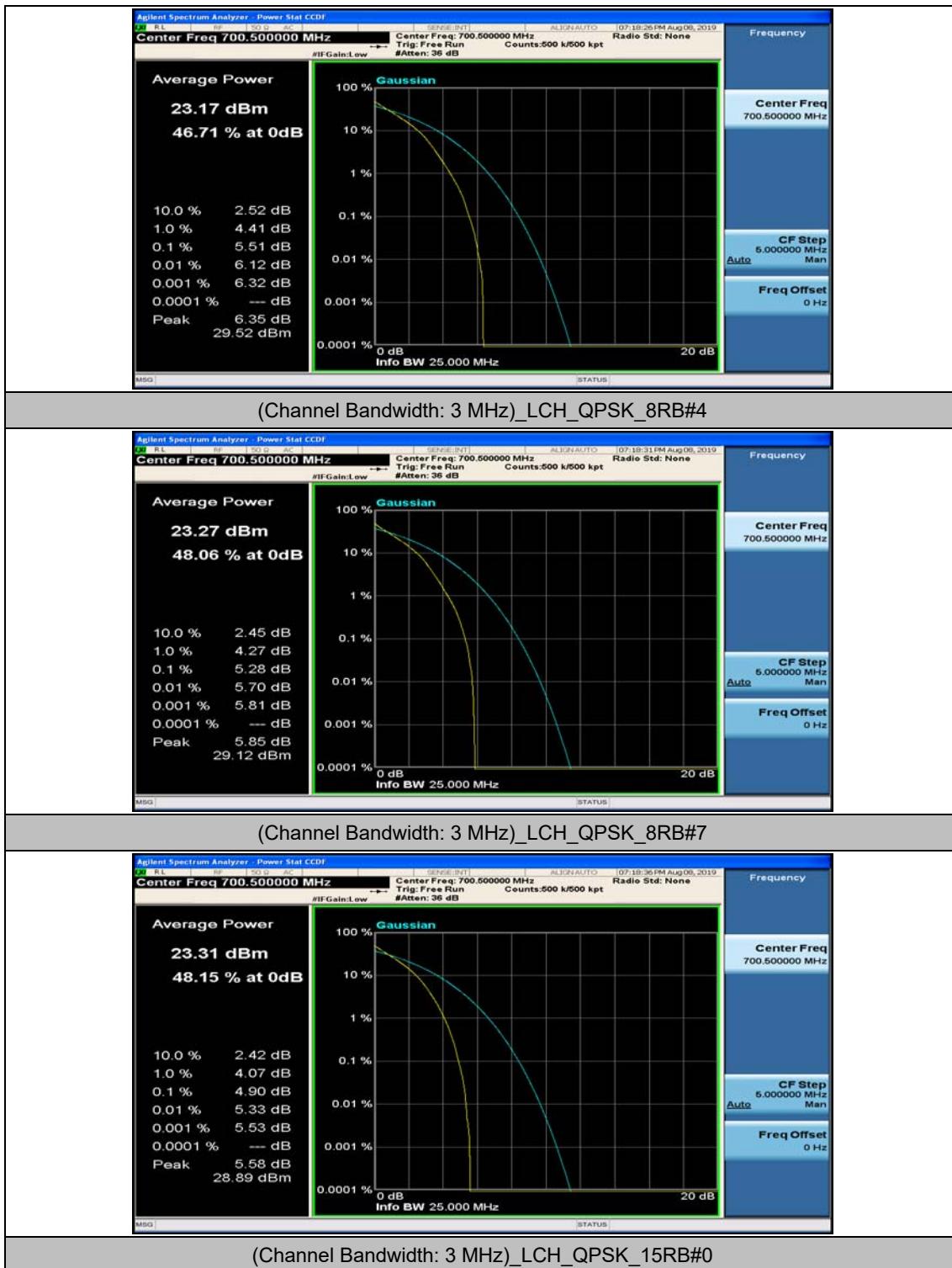


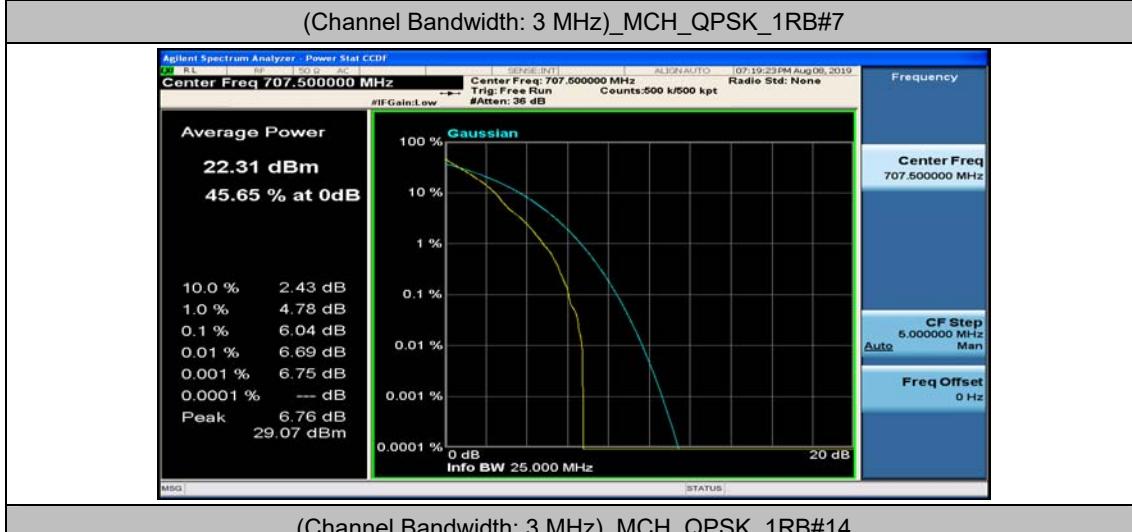
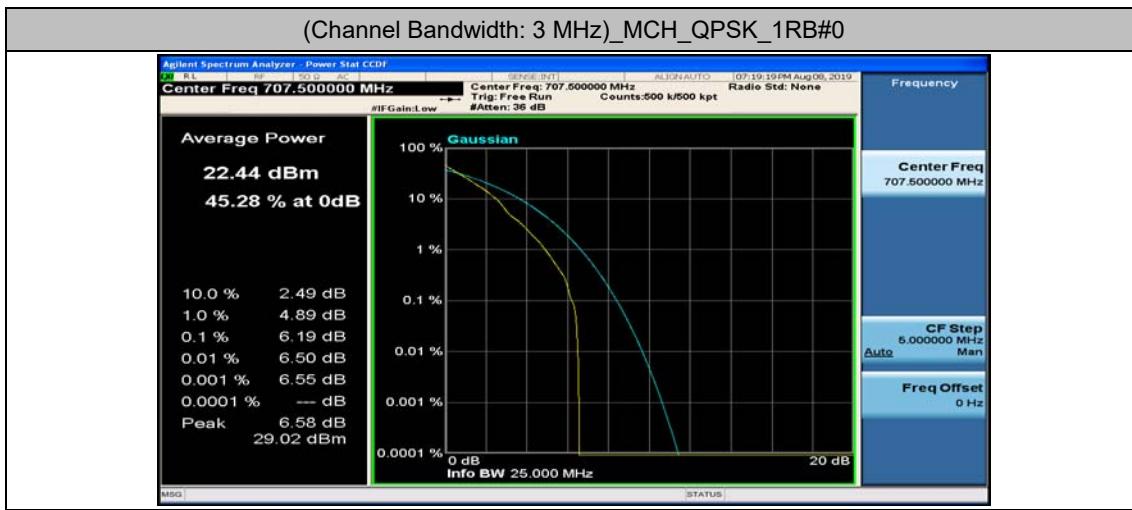
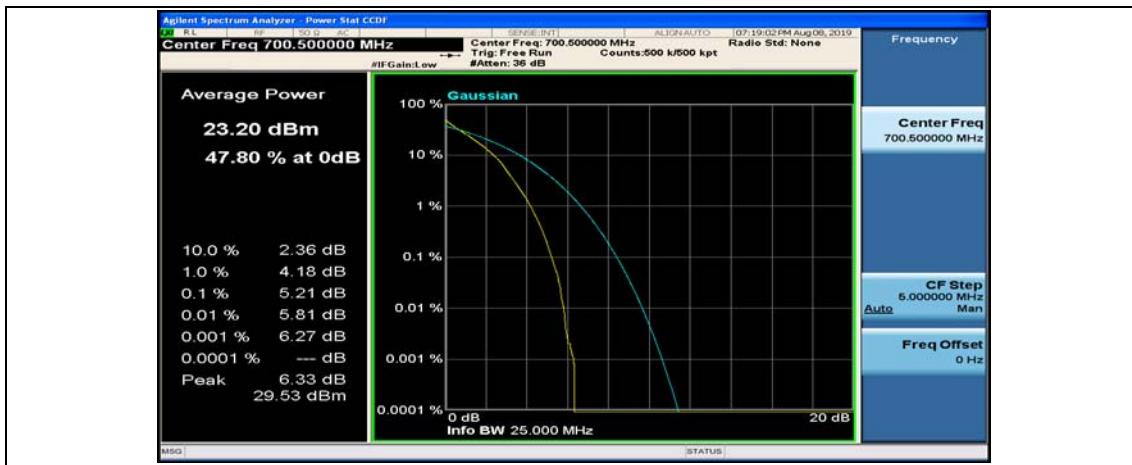




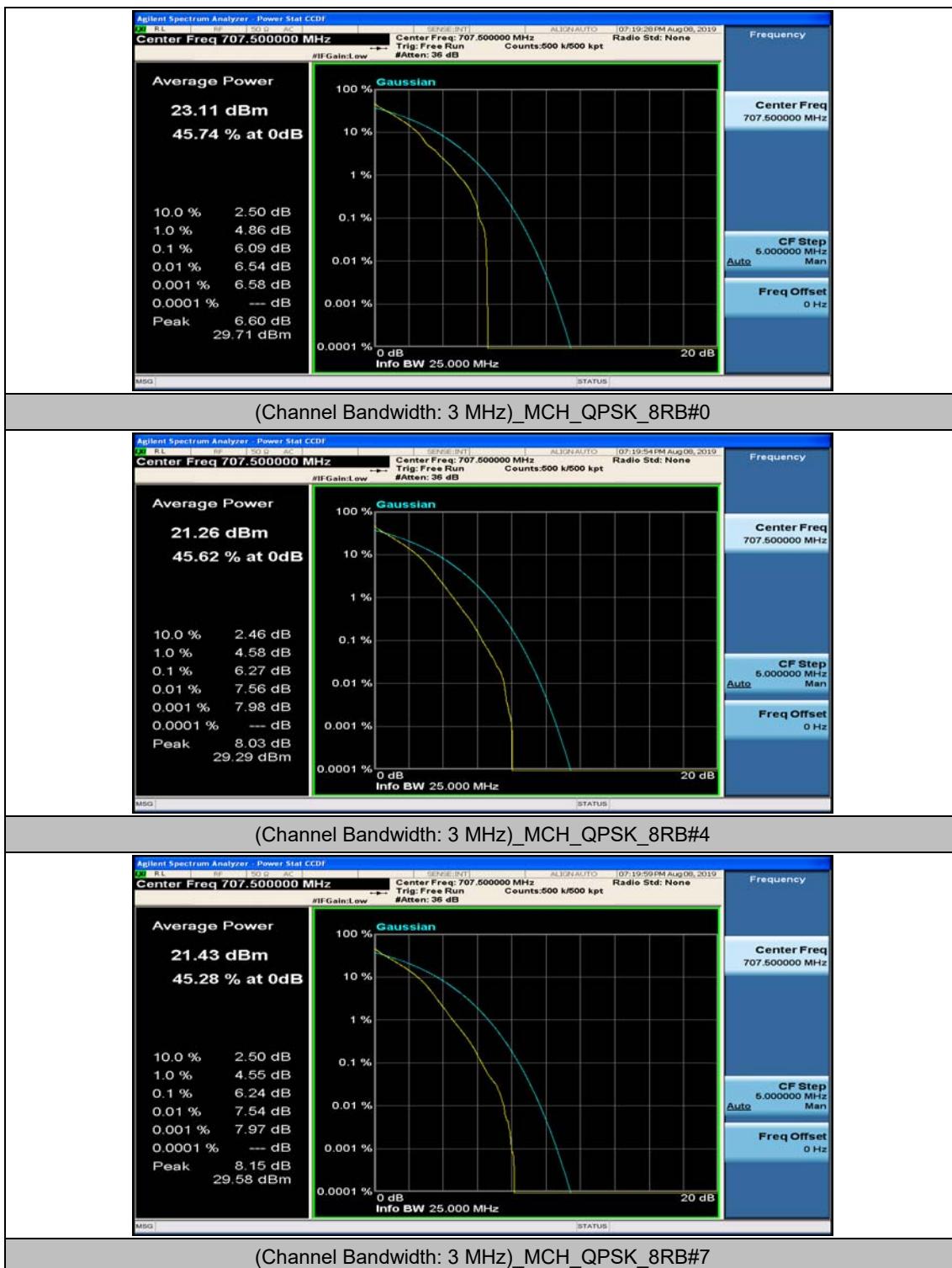
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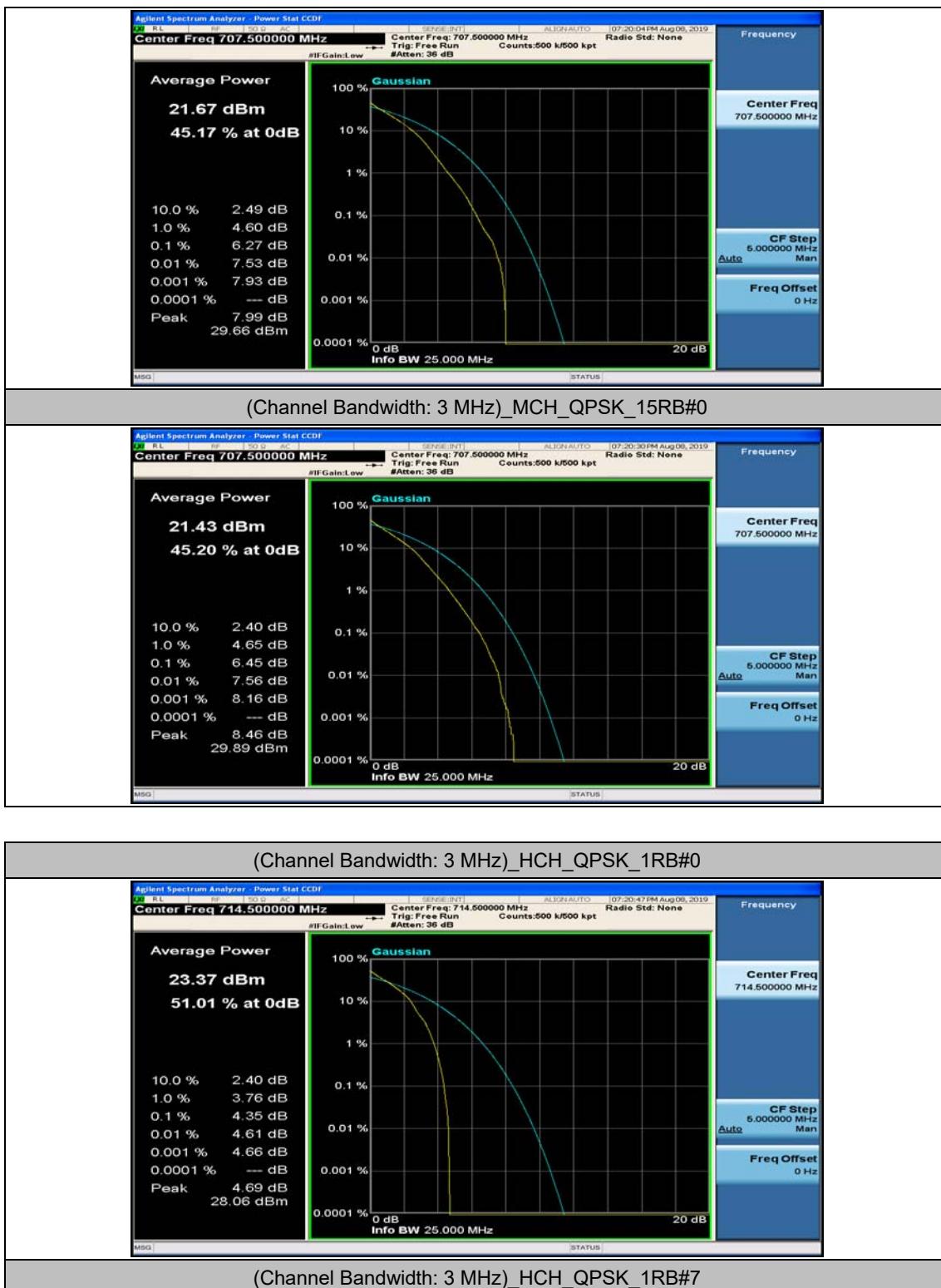


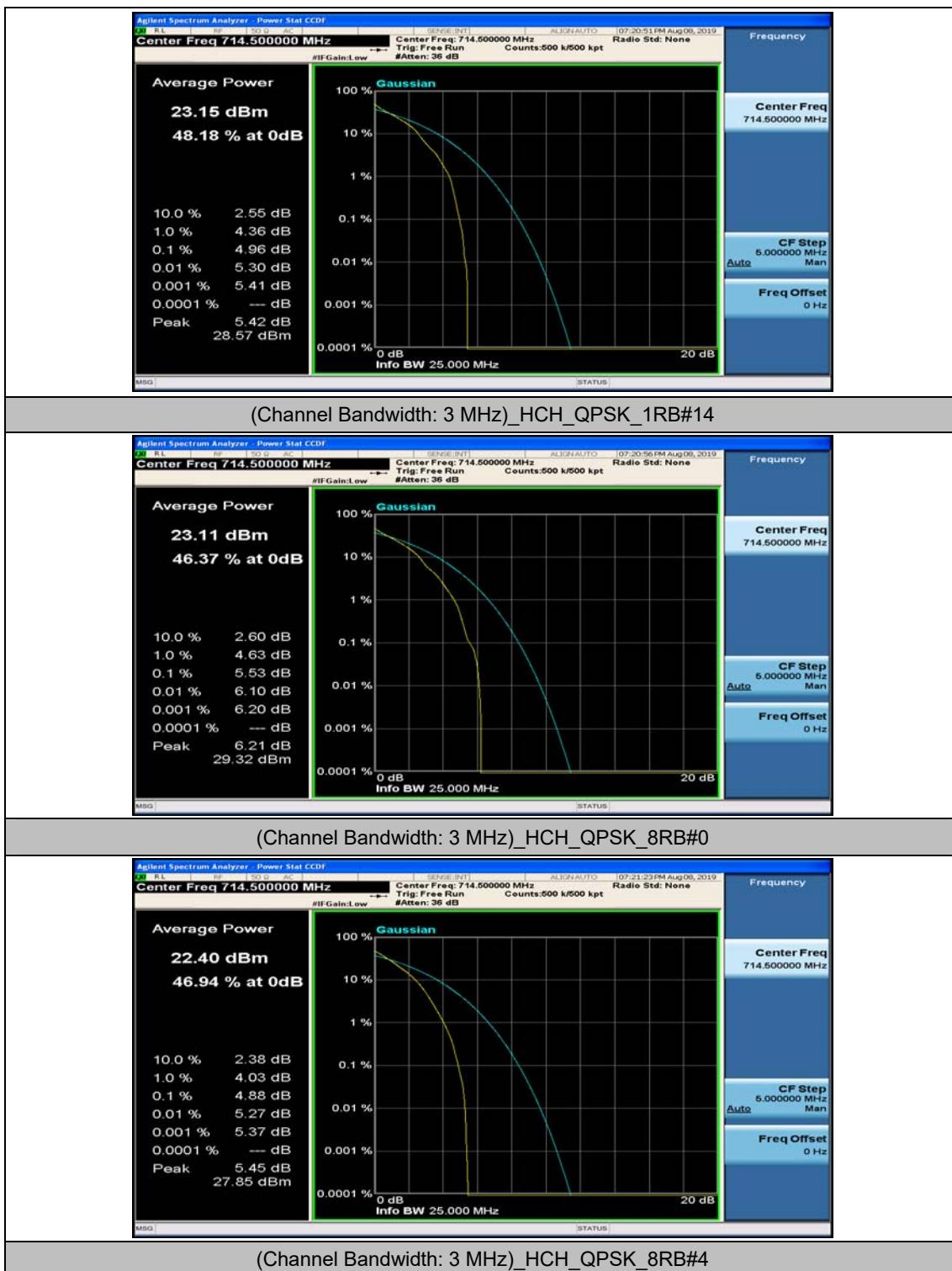


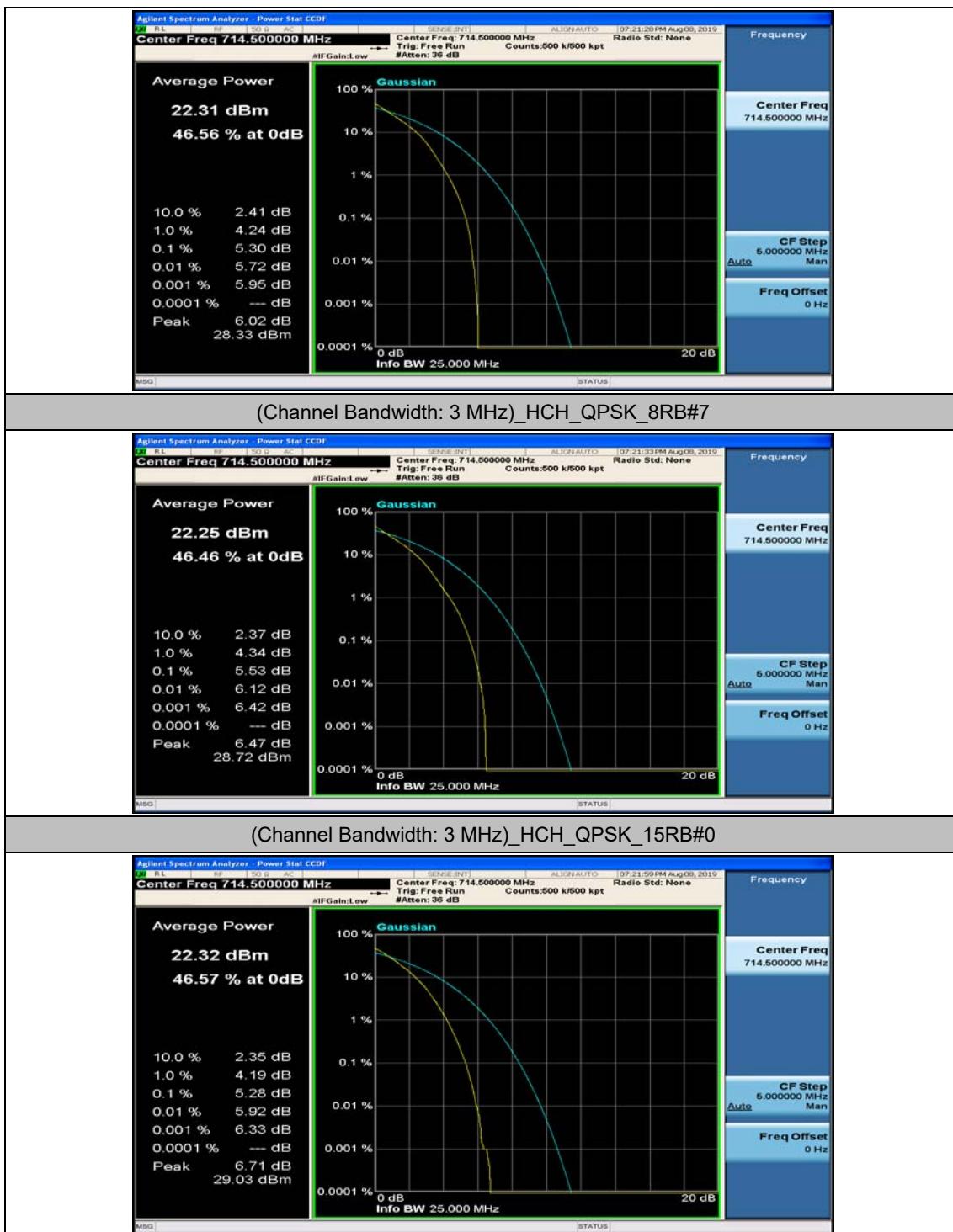


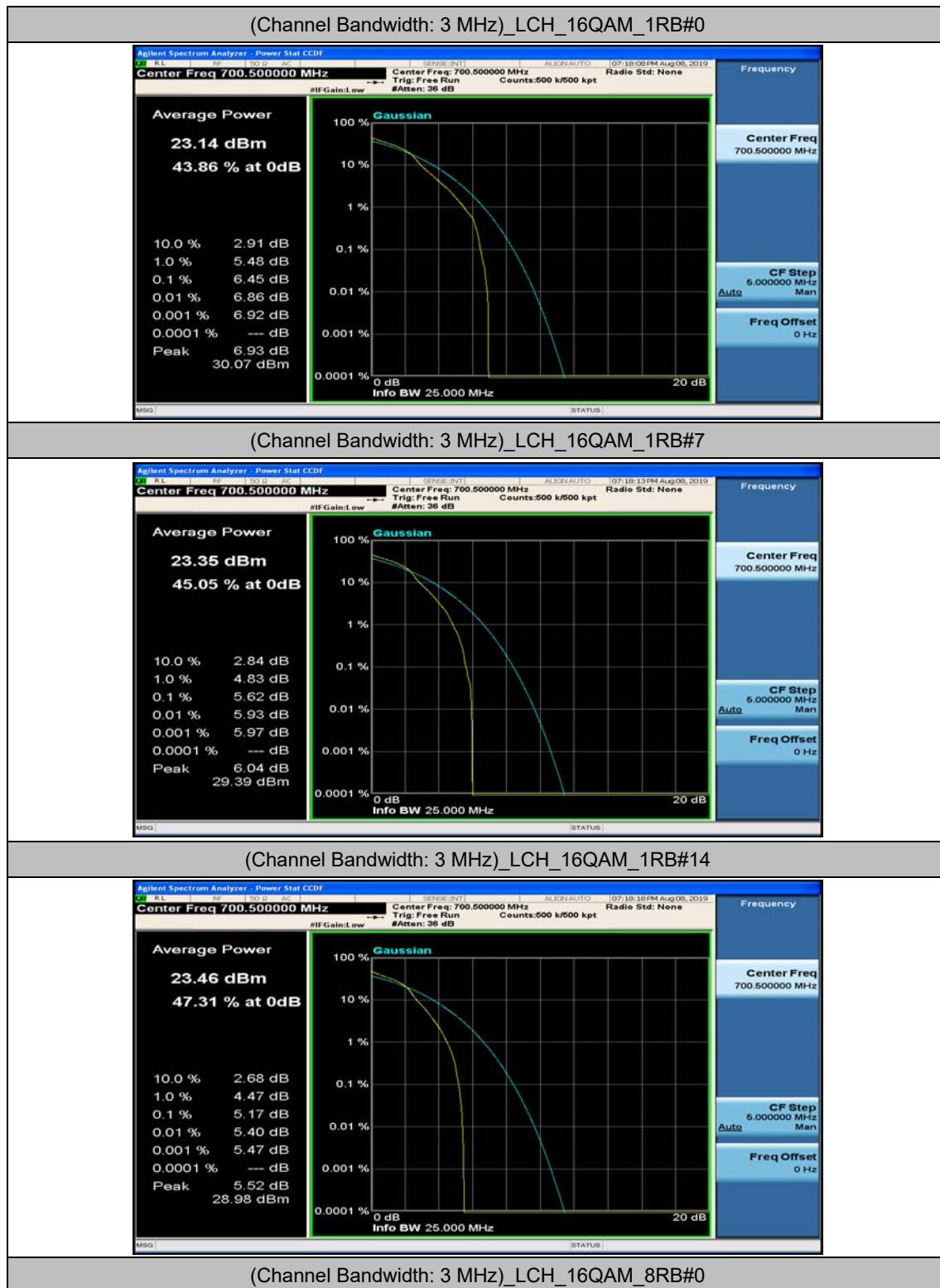
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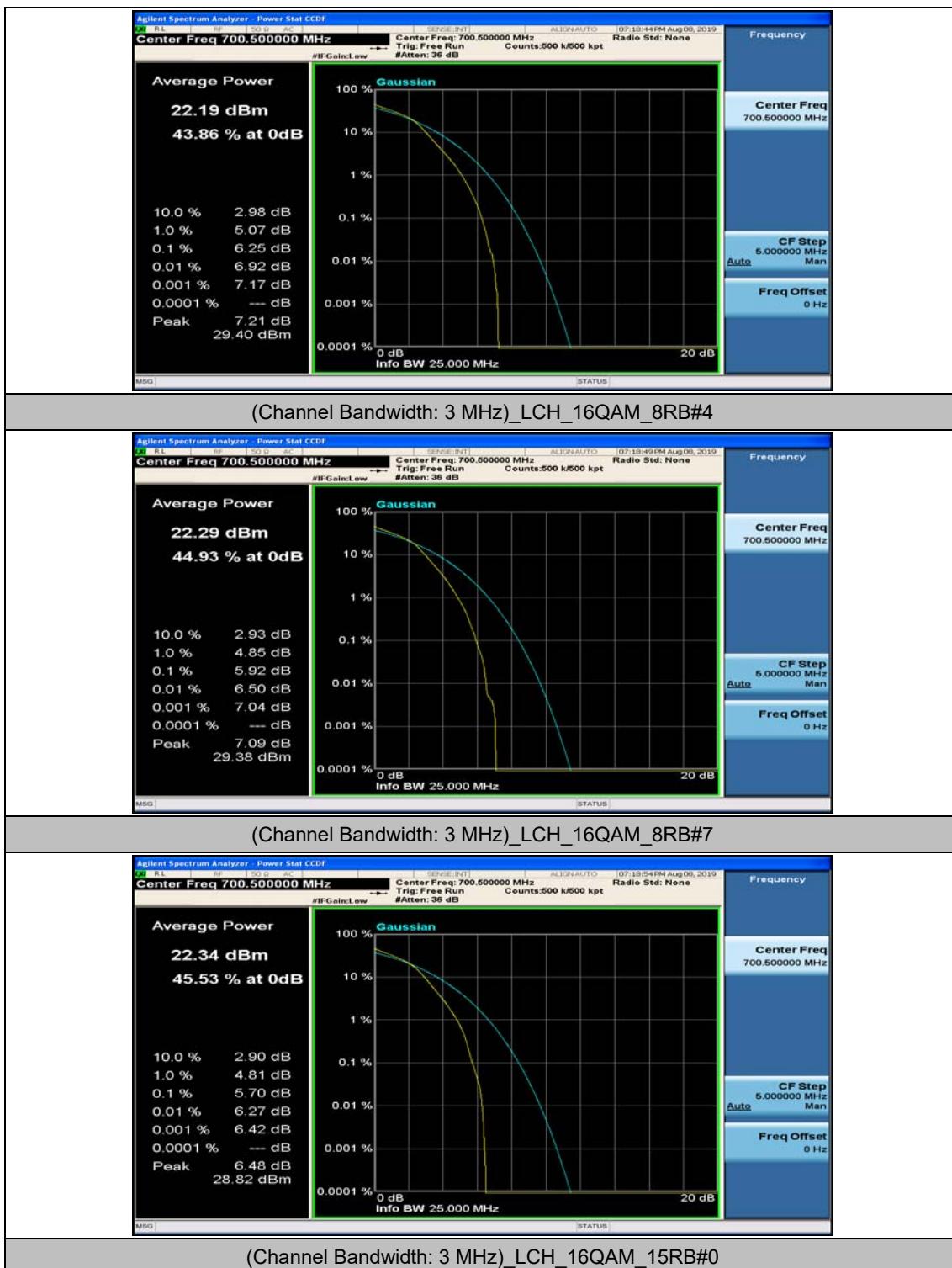


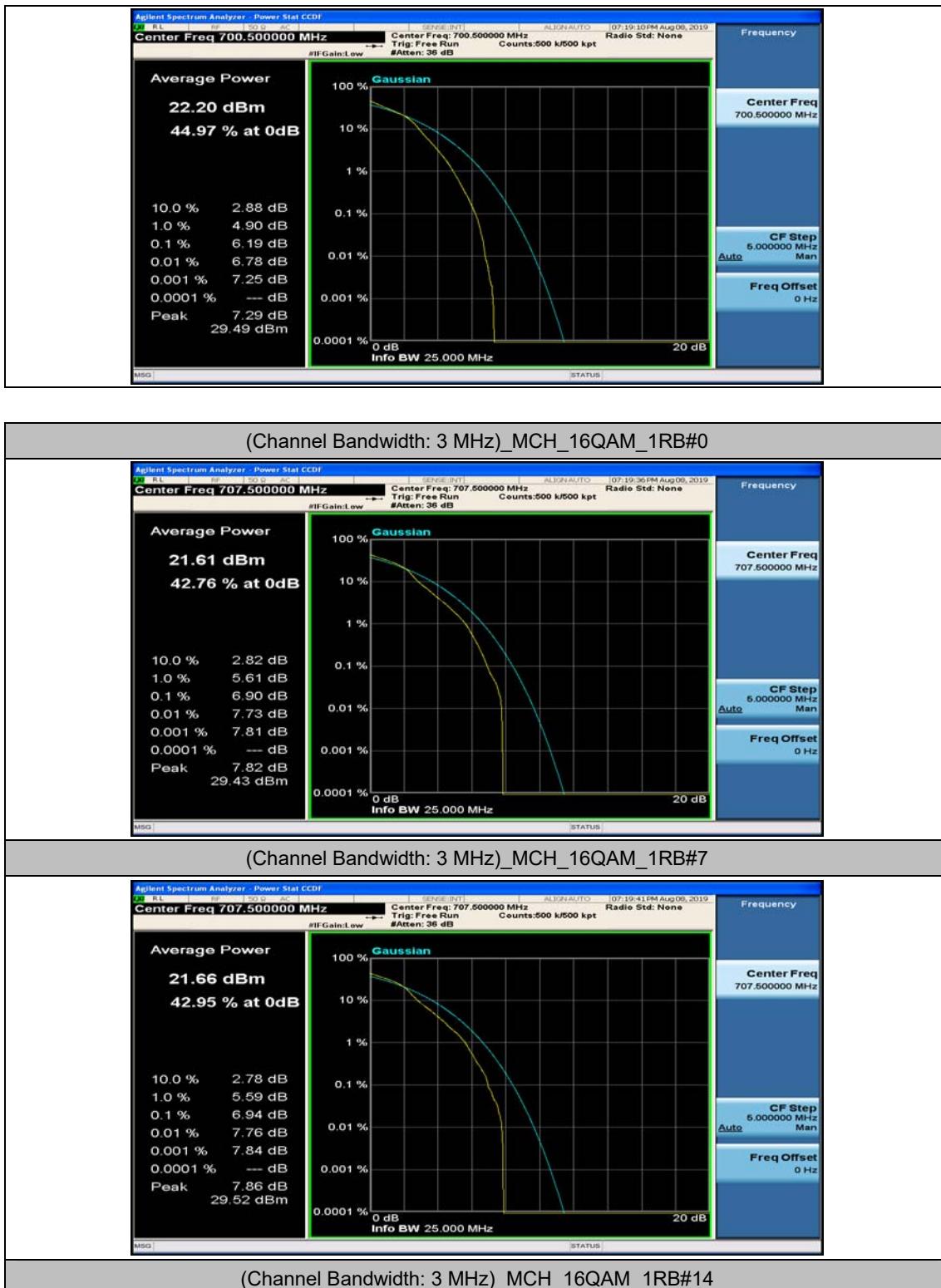


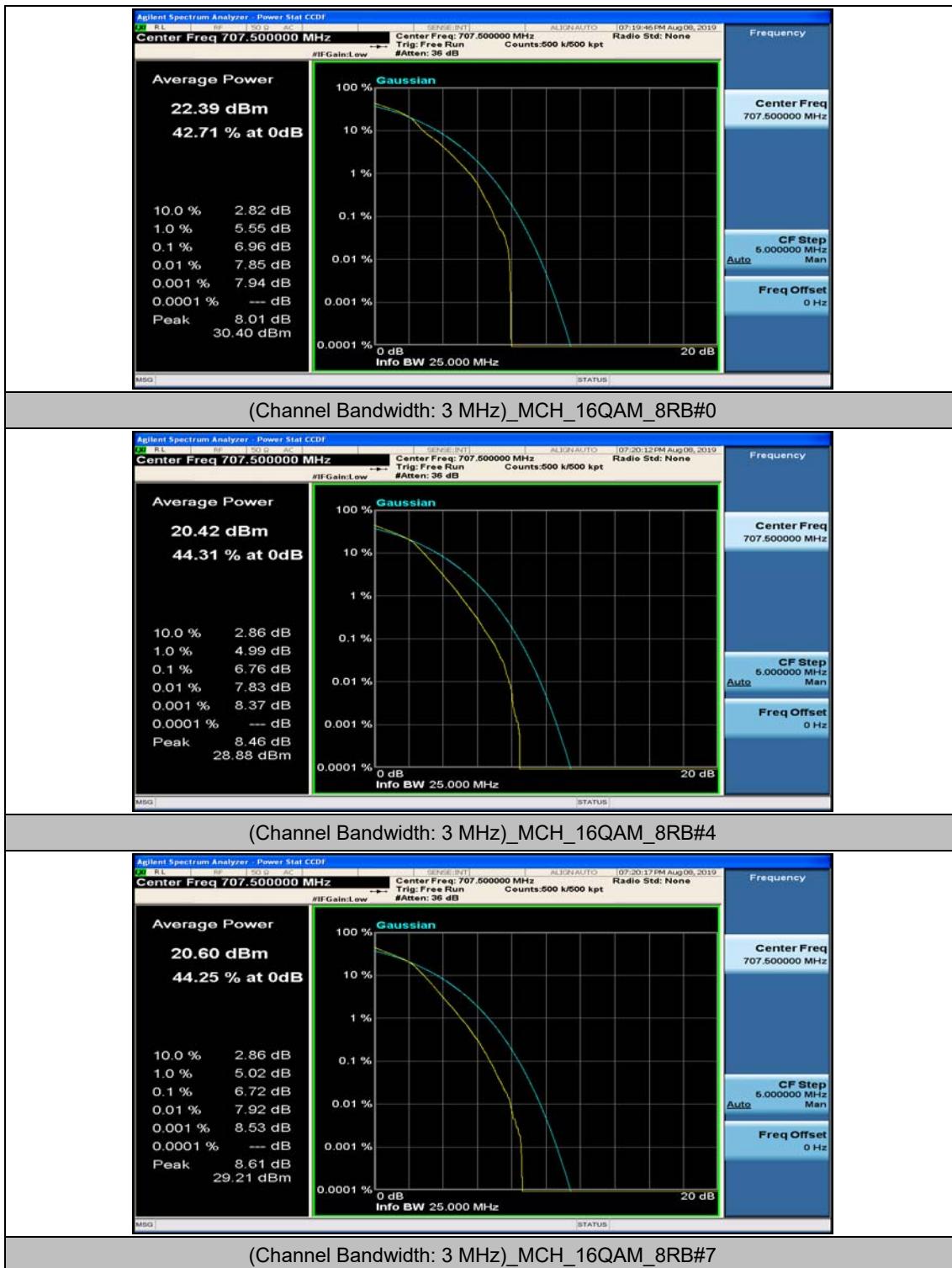


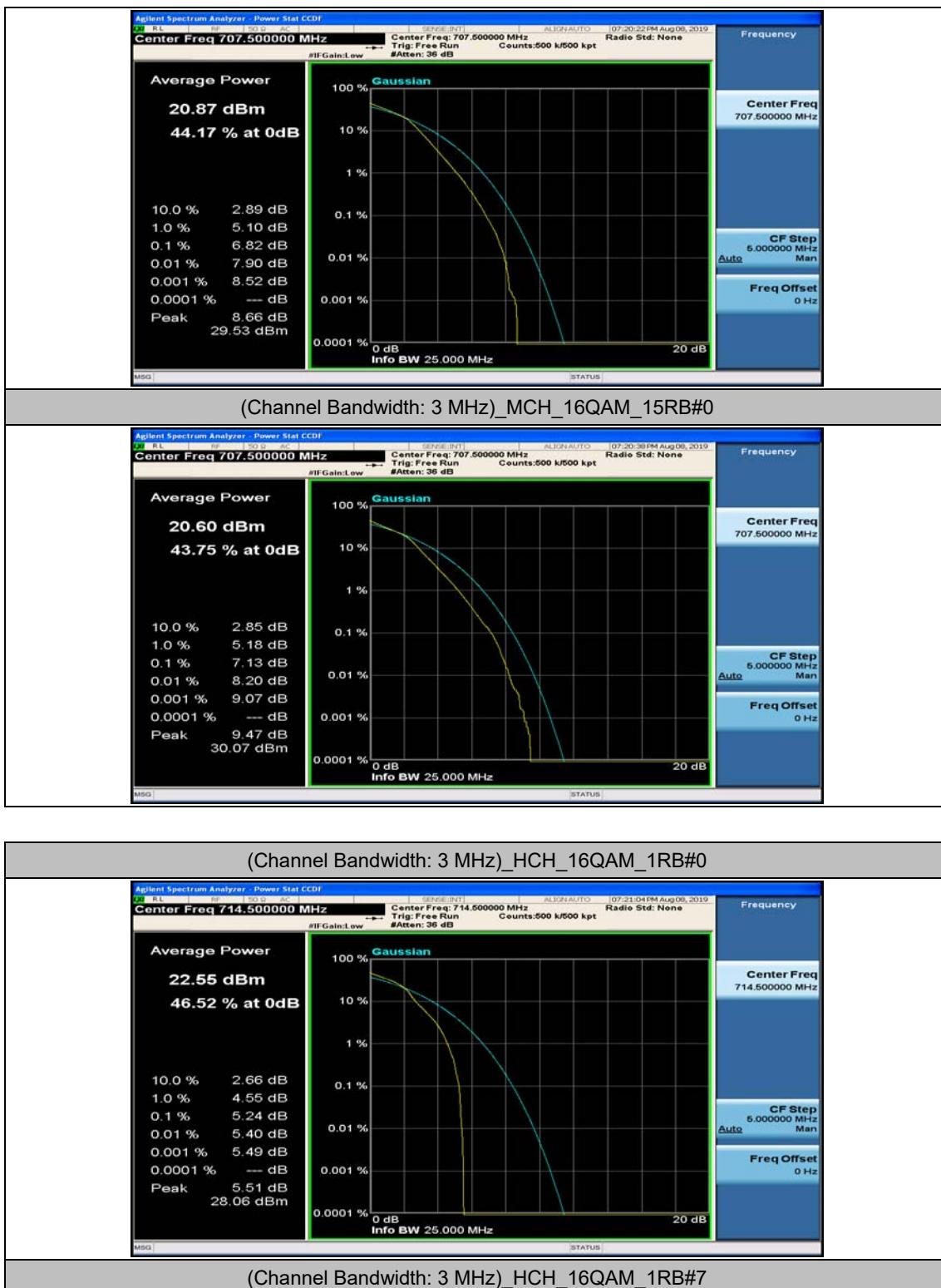


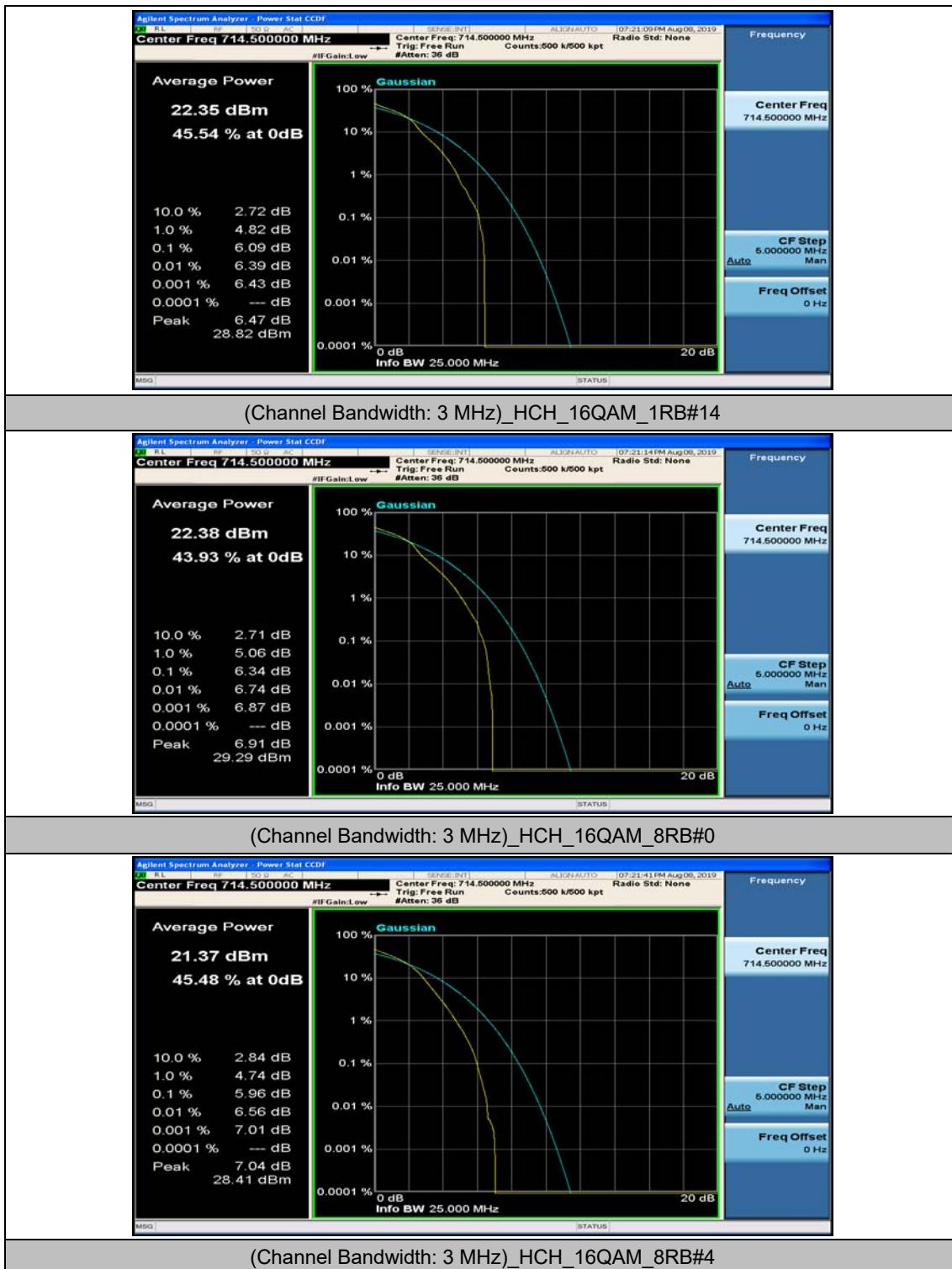


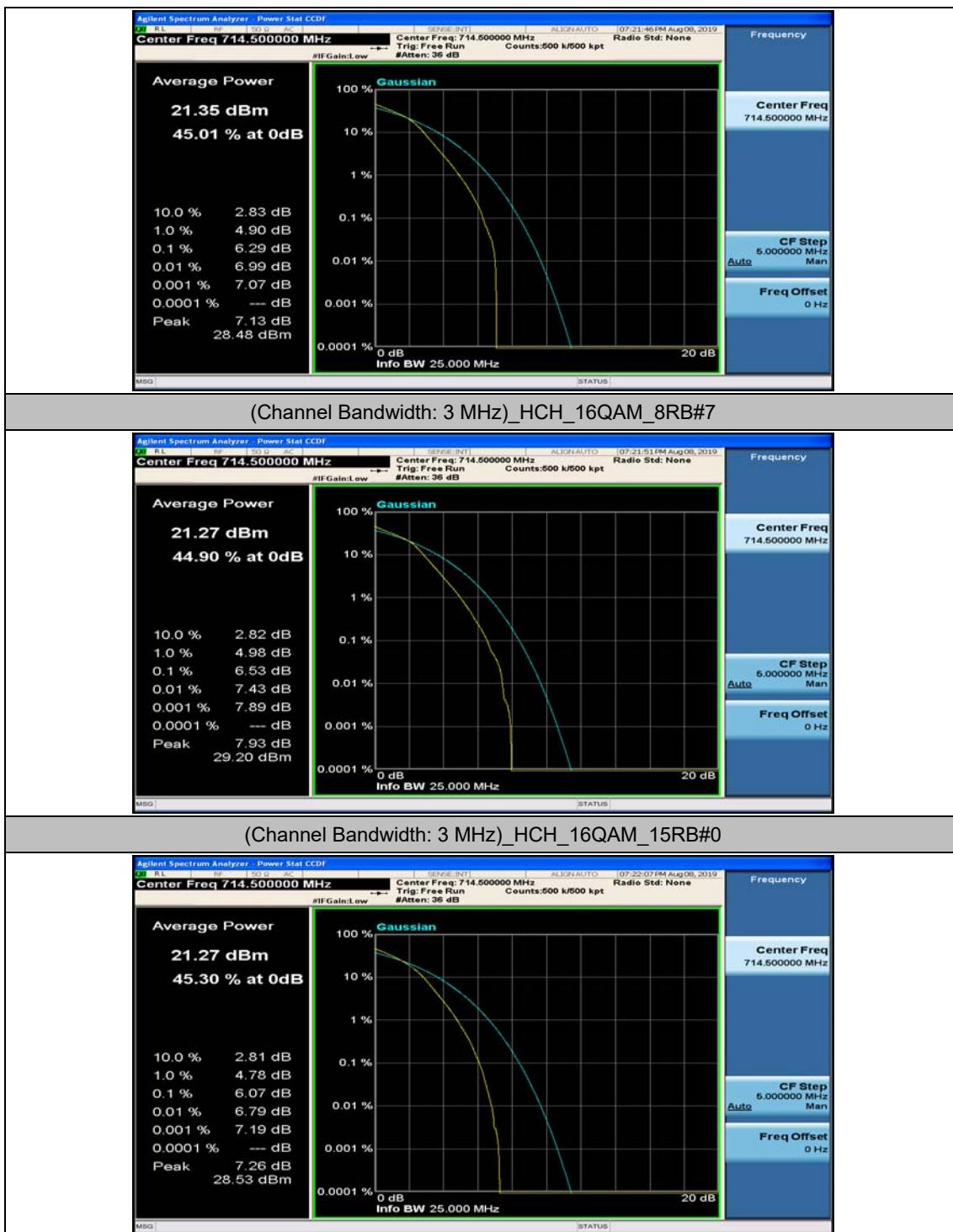




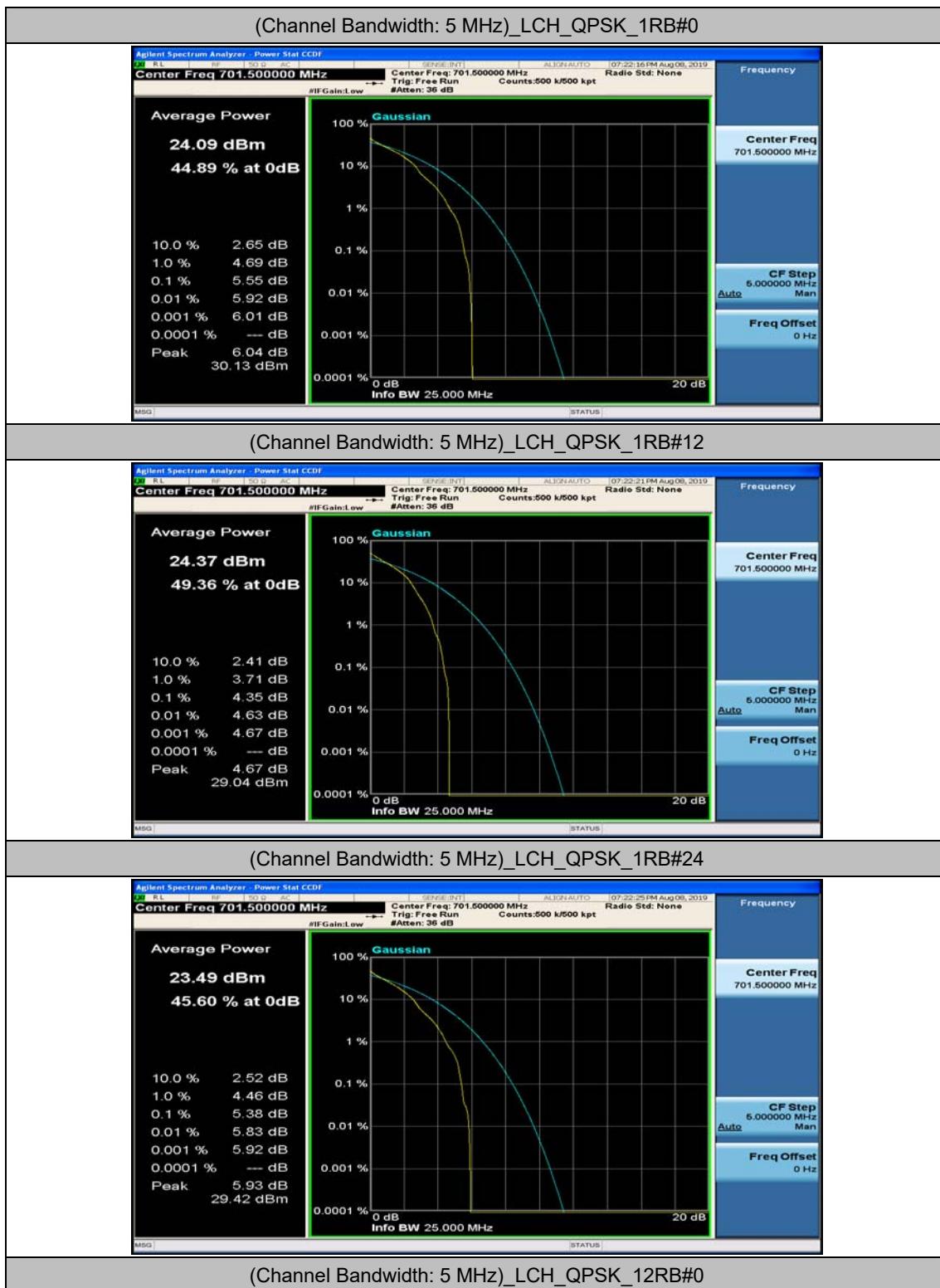


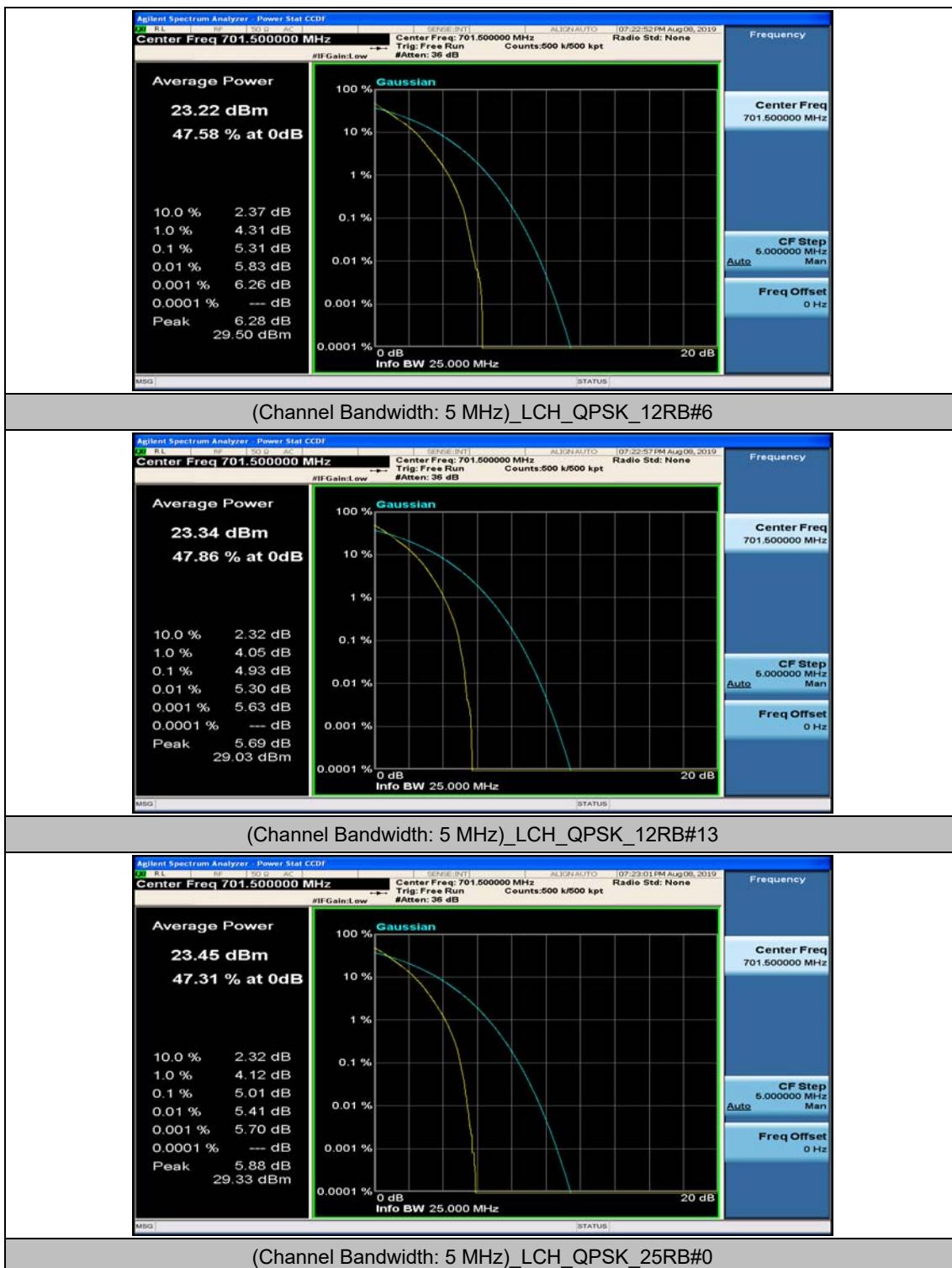


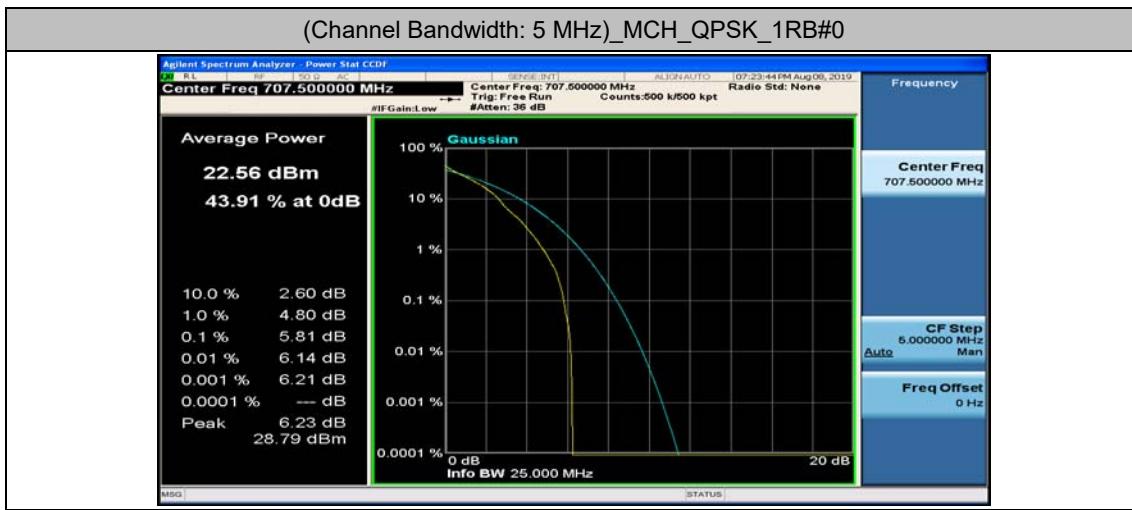
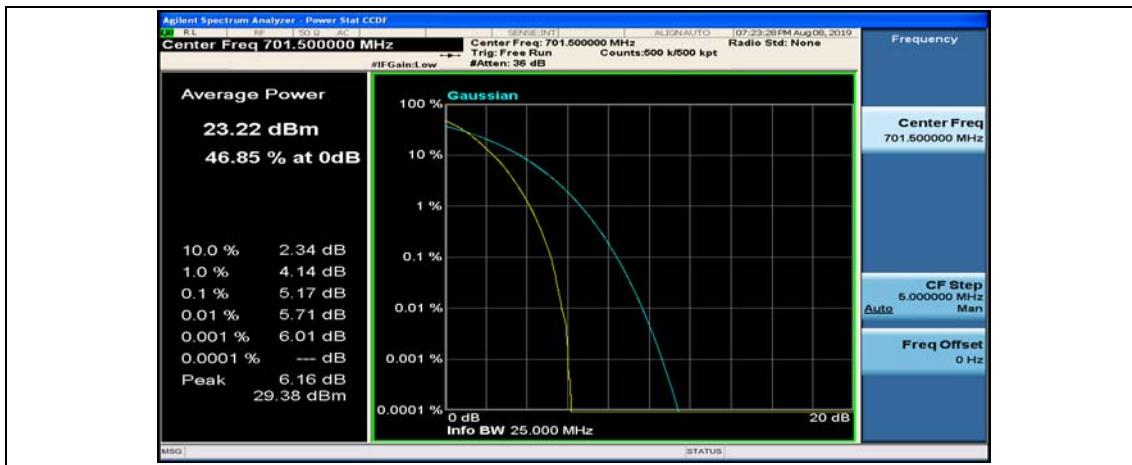




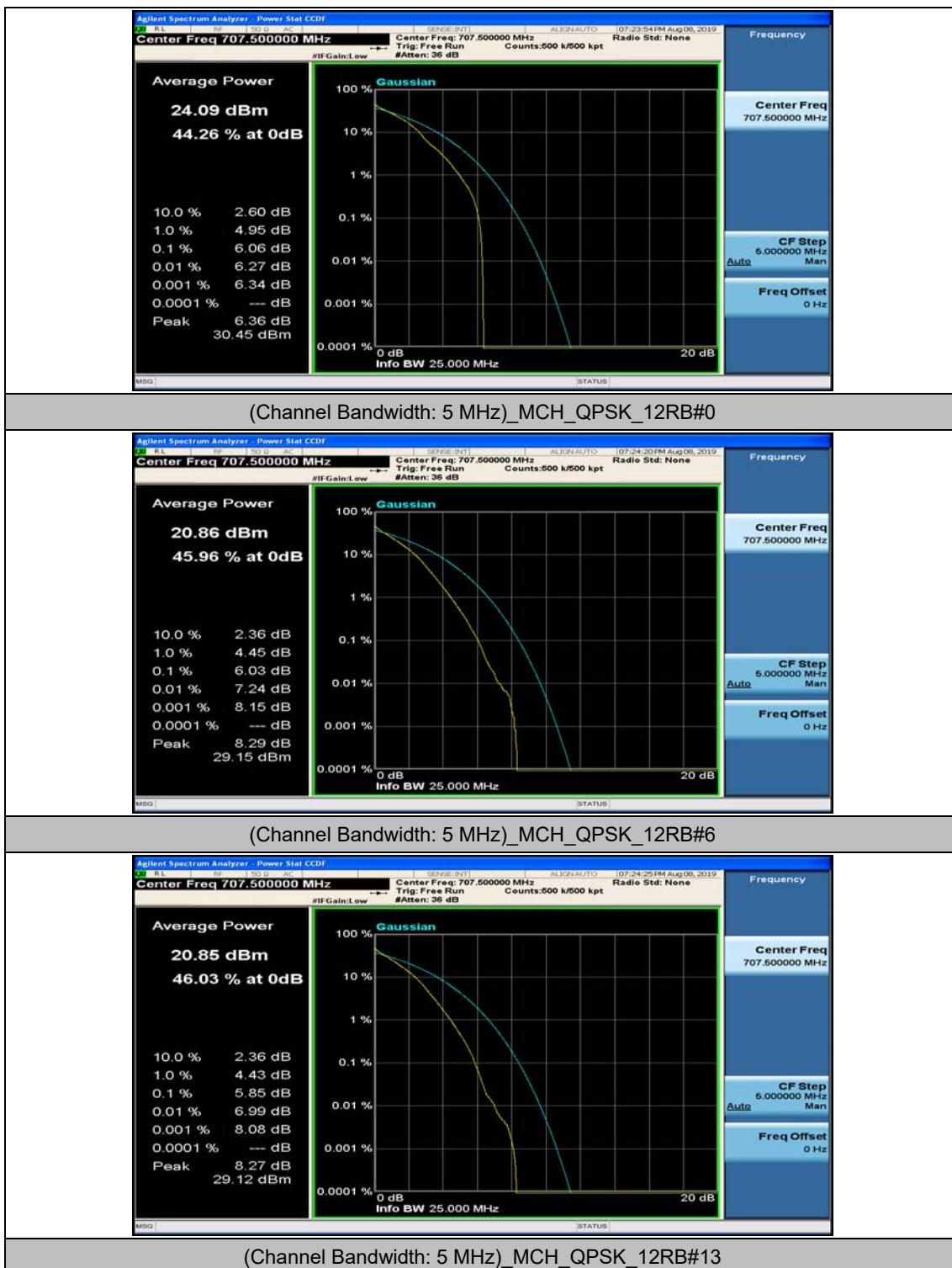
Channel Bandwidth: 5 MHz

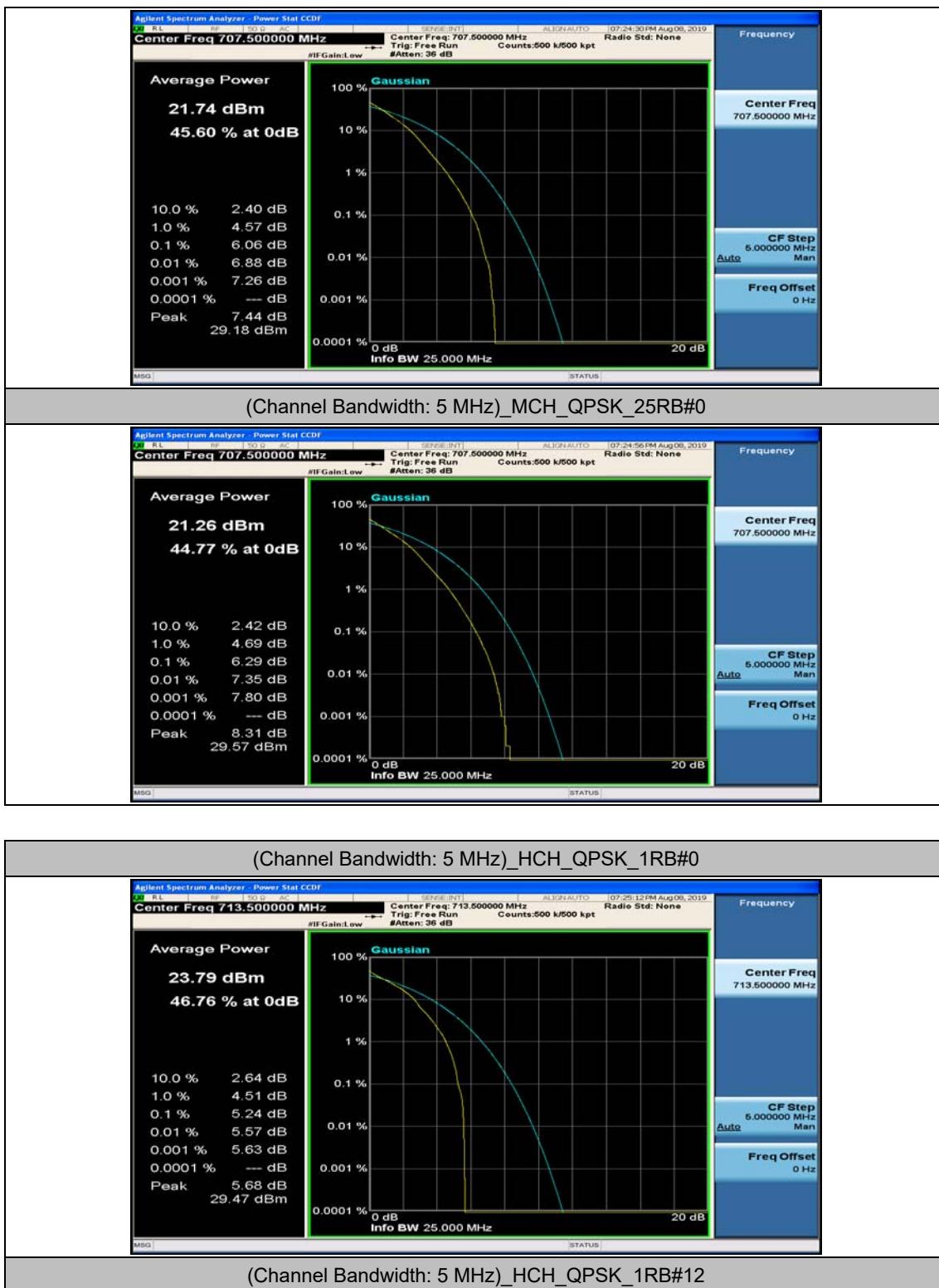


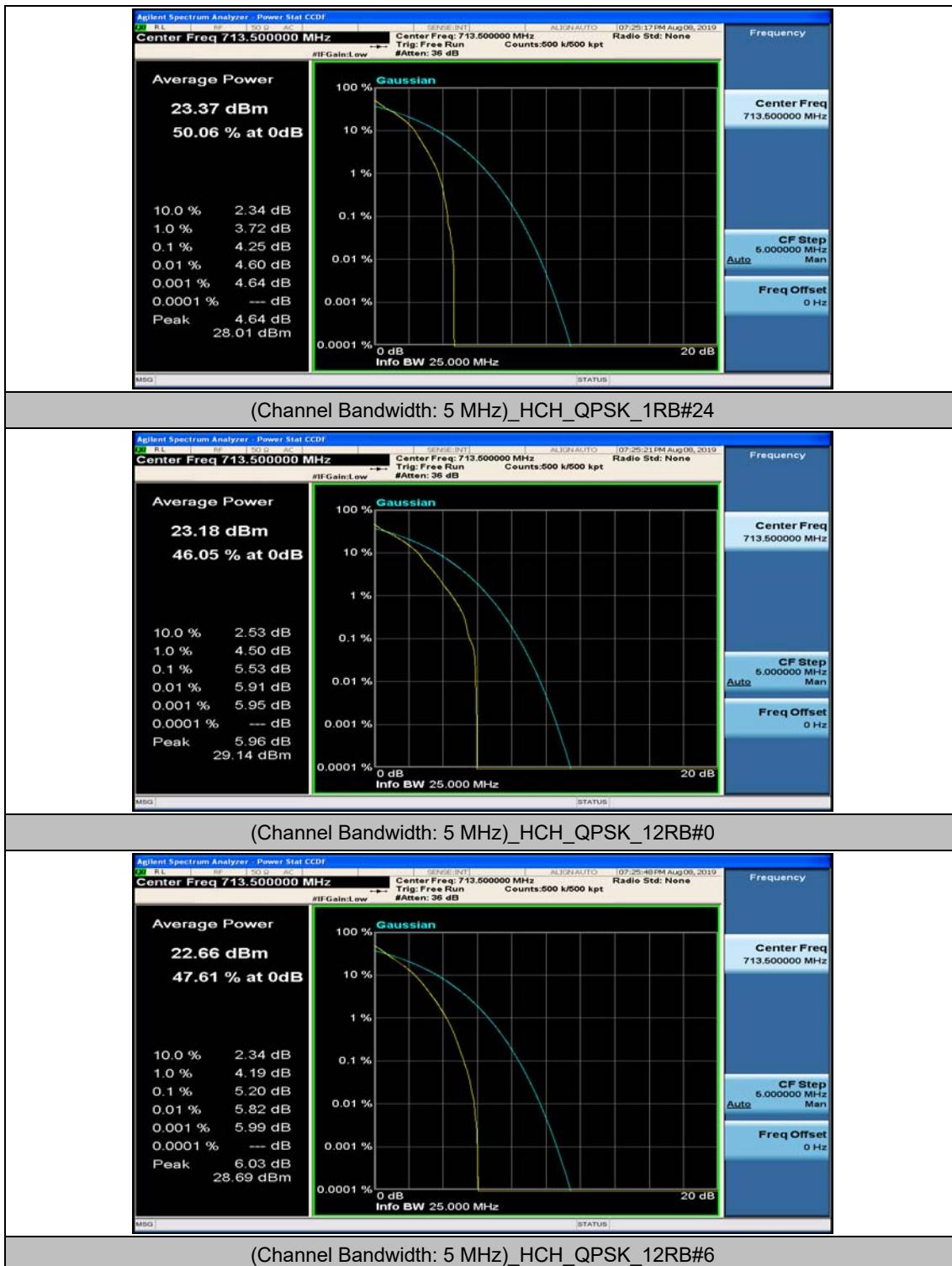


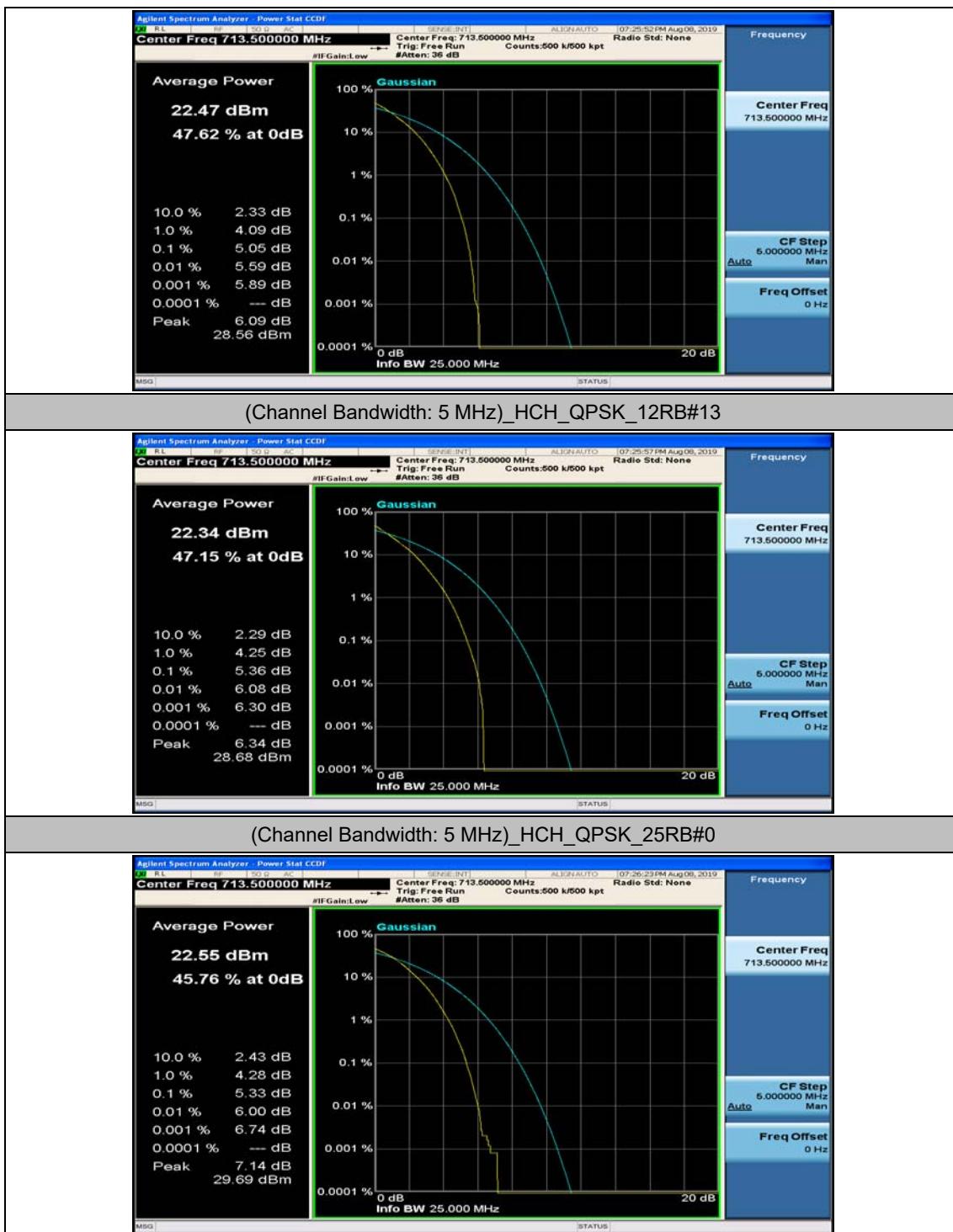


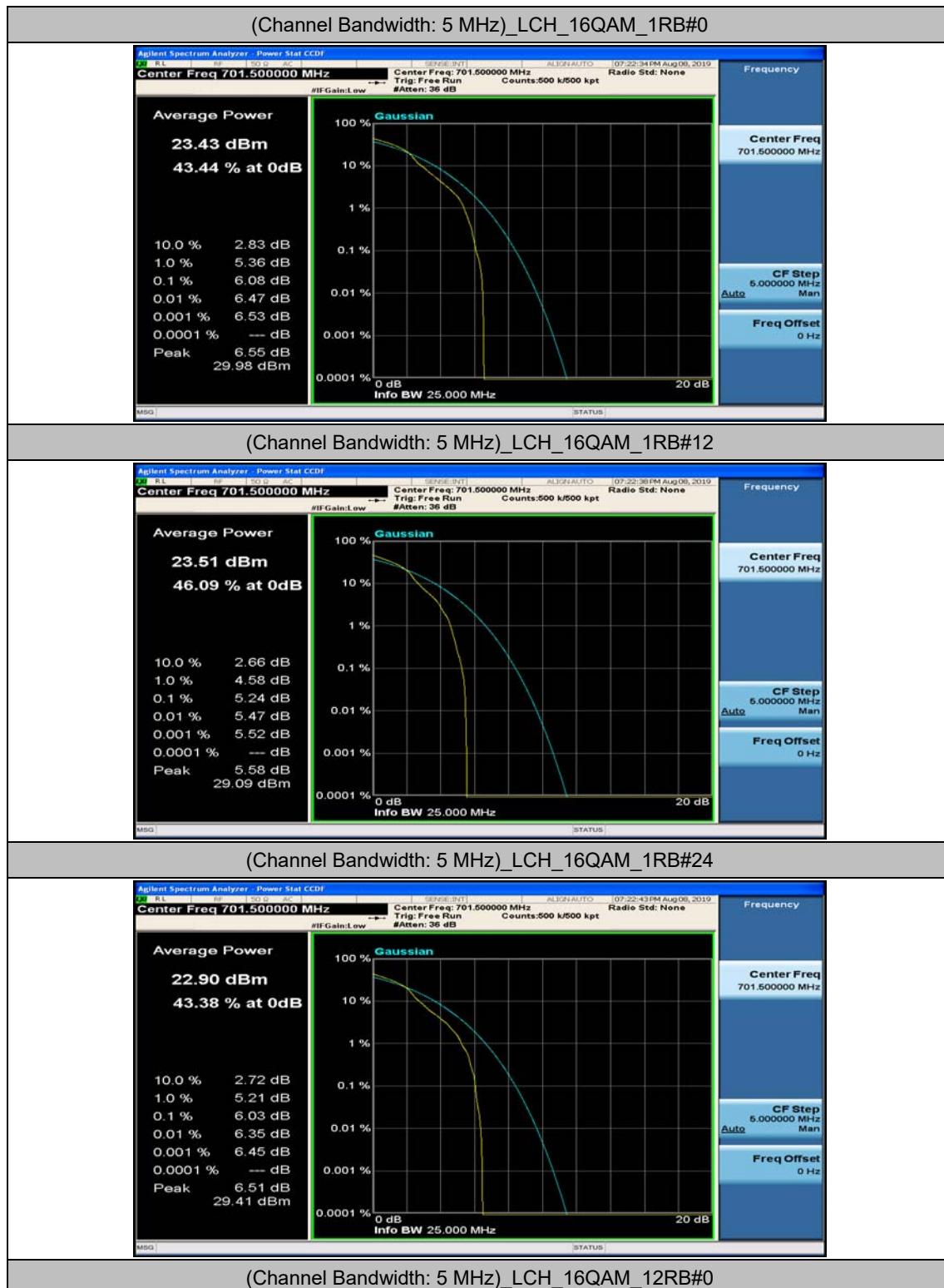
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

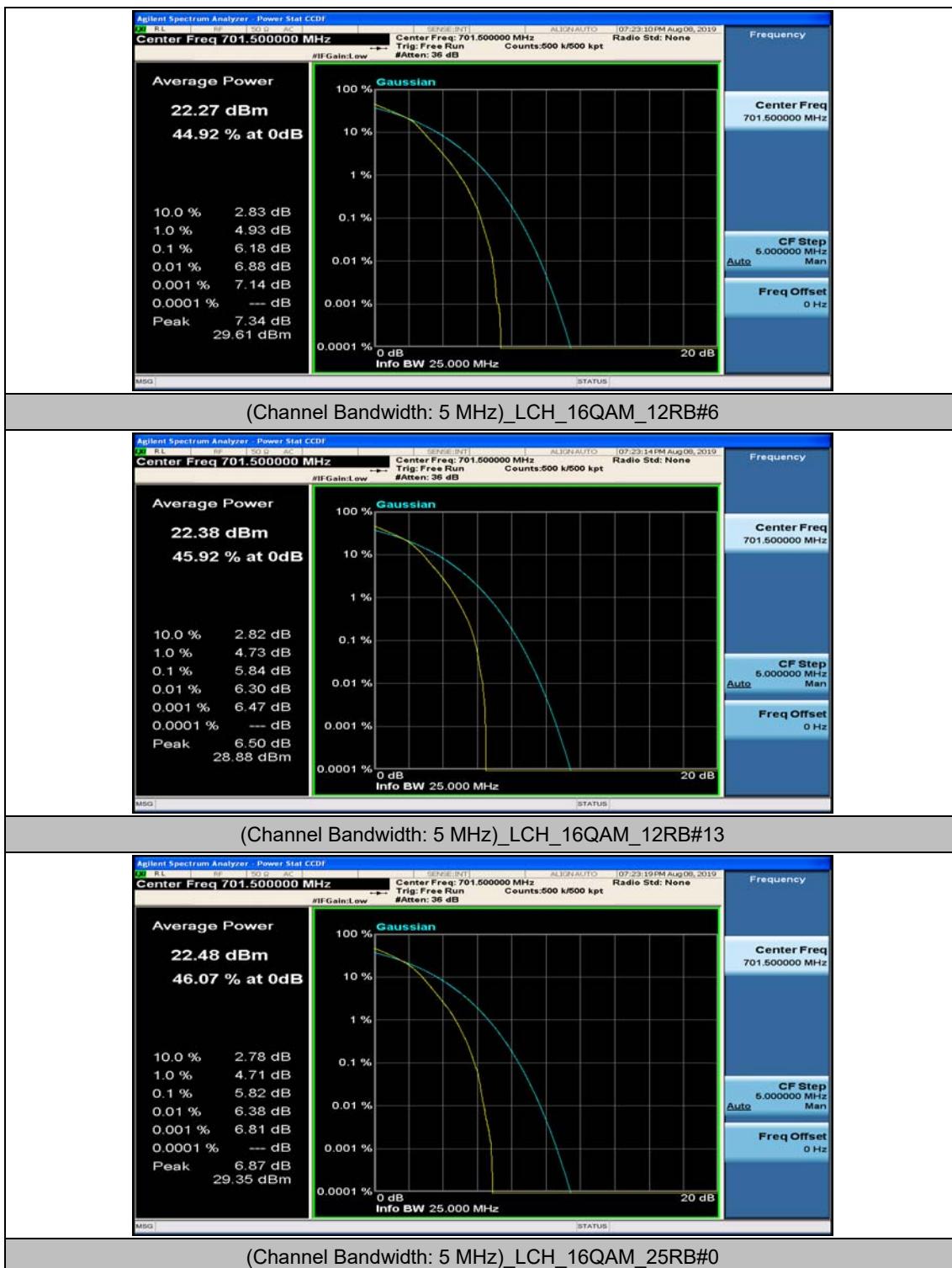


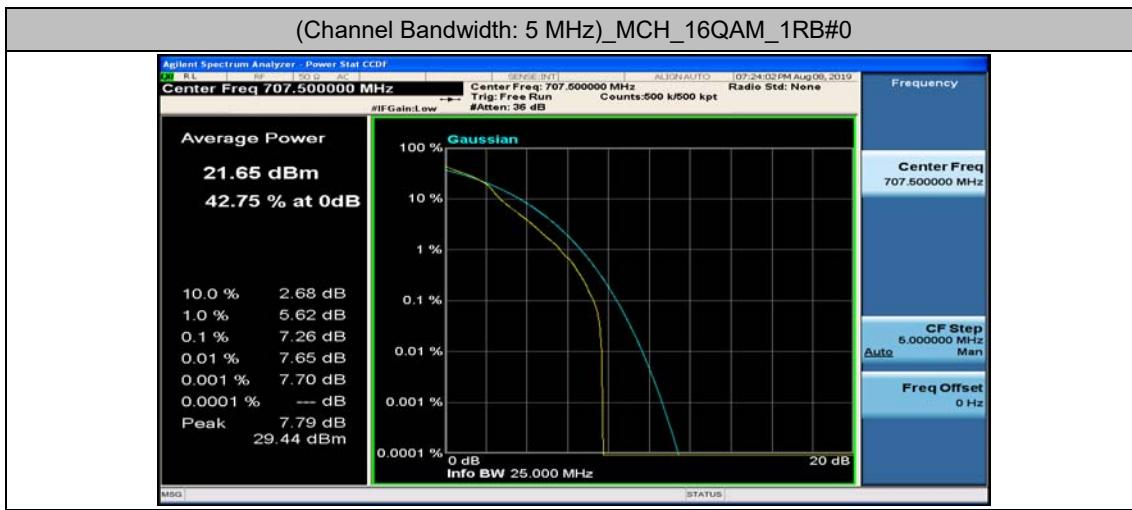
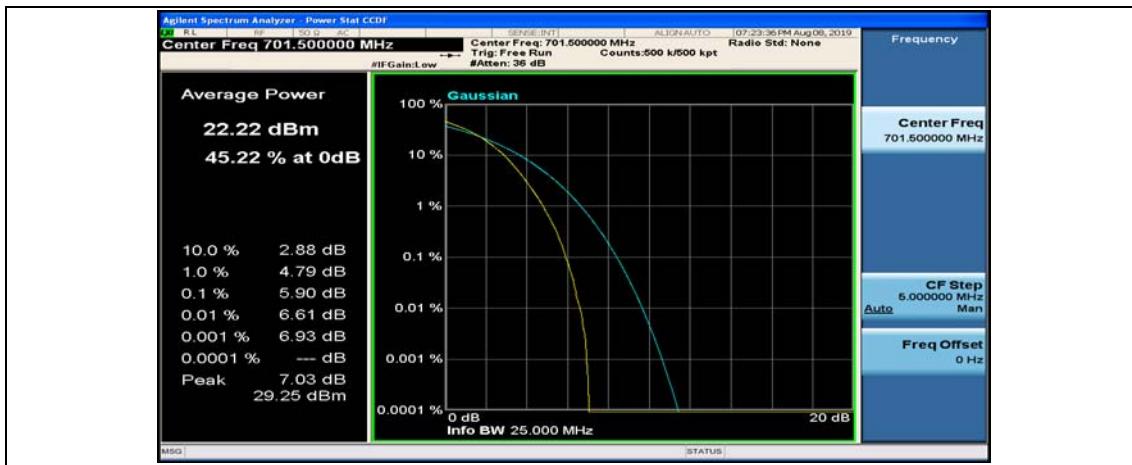




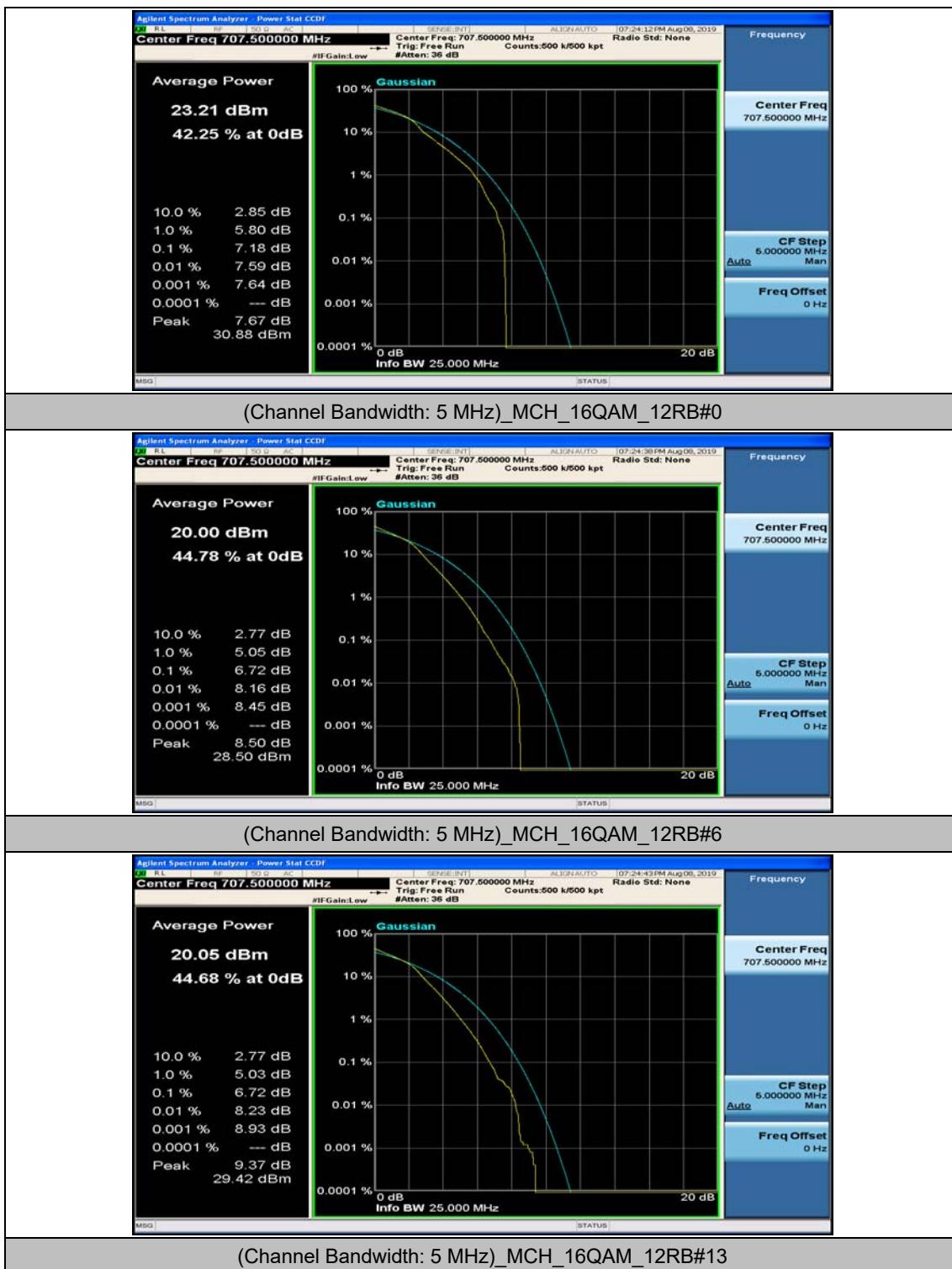


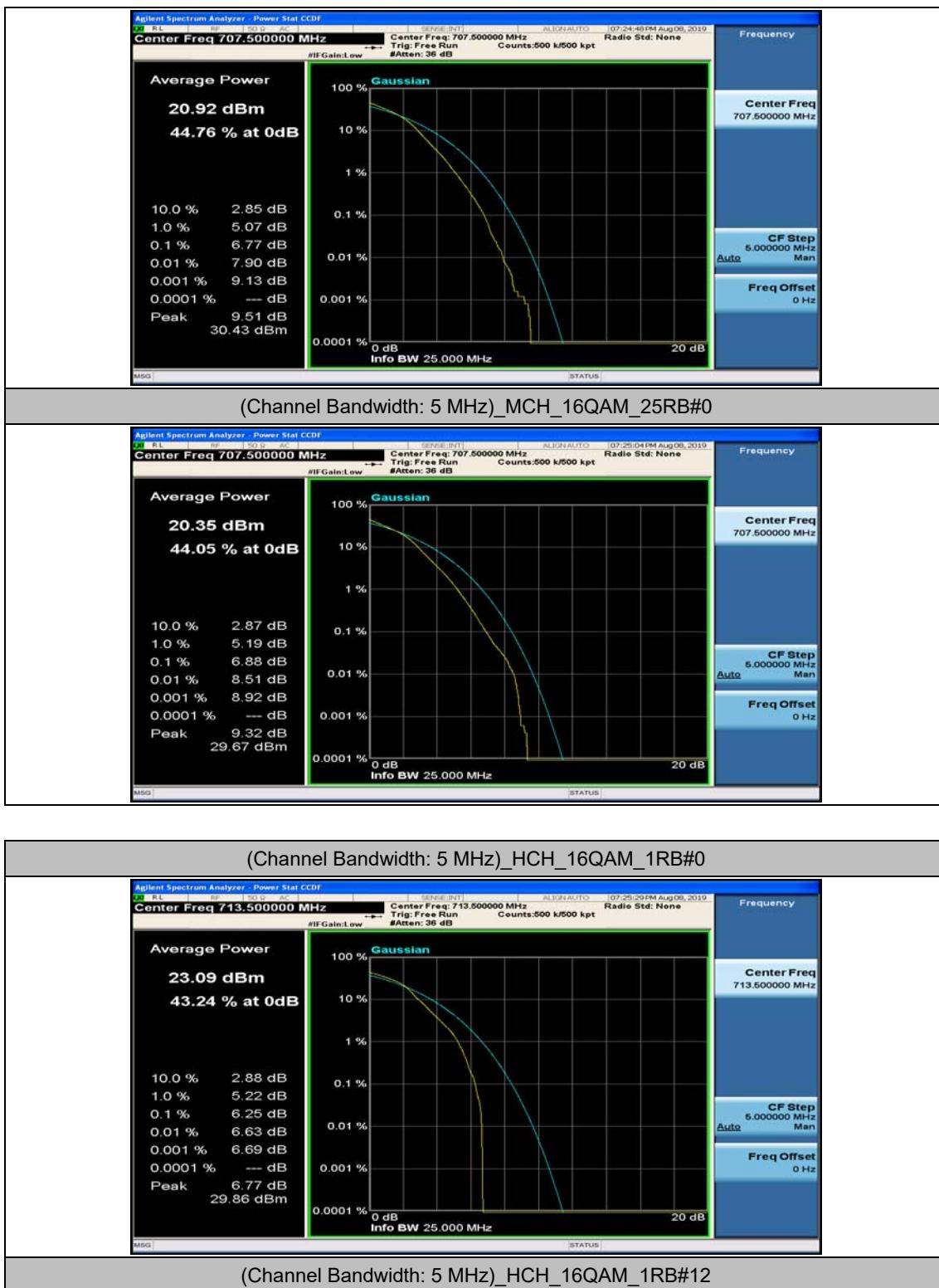


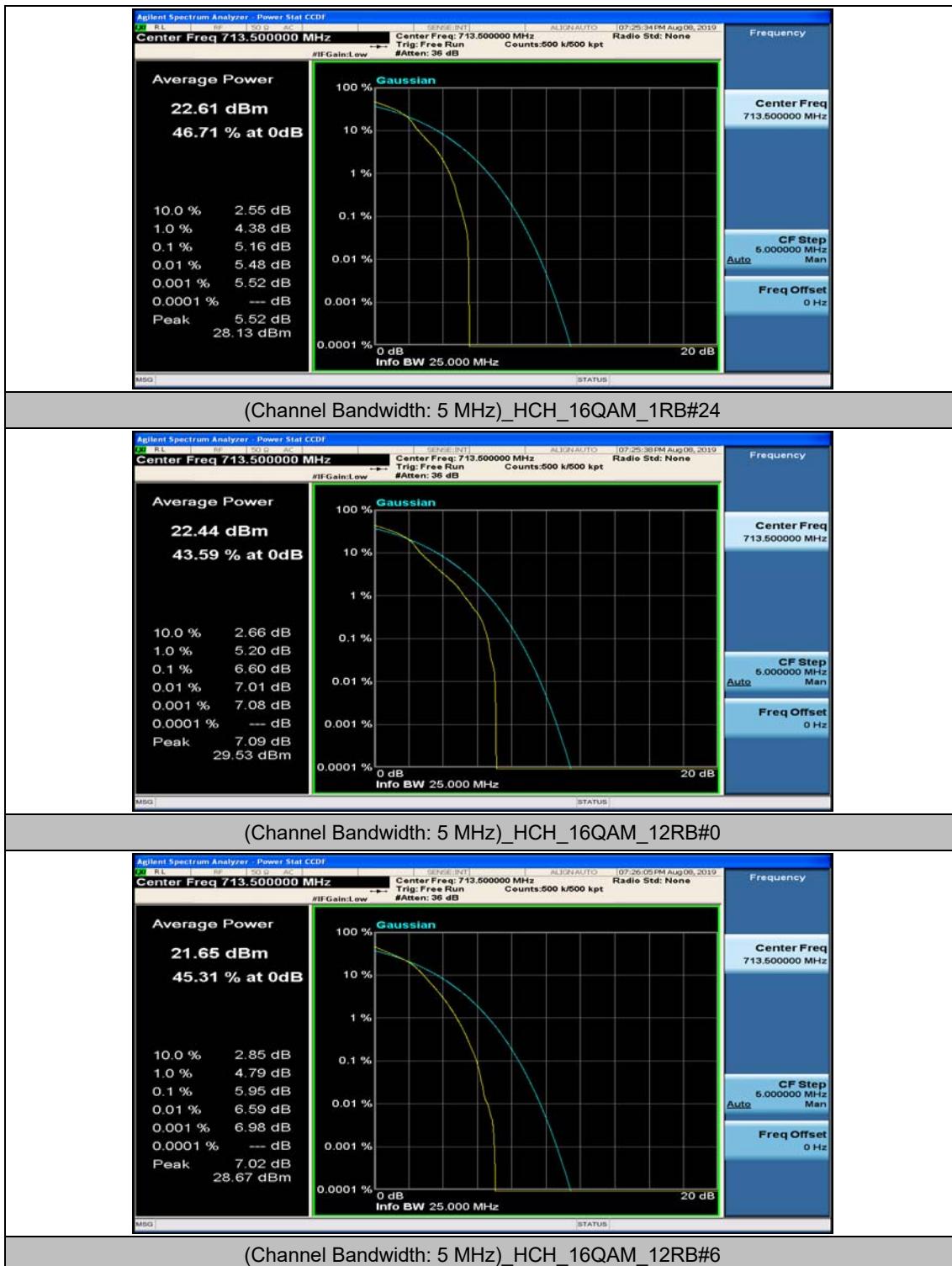


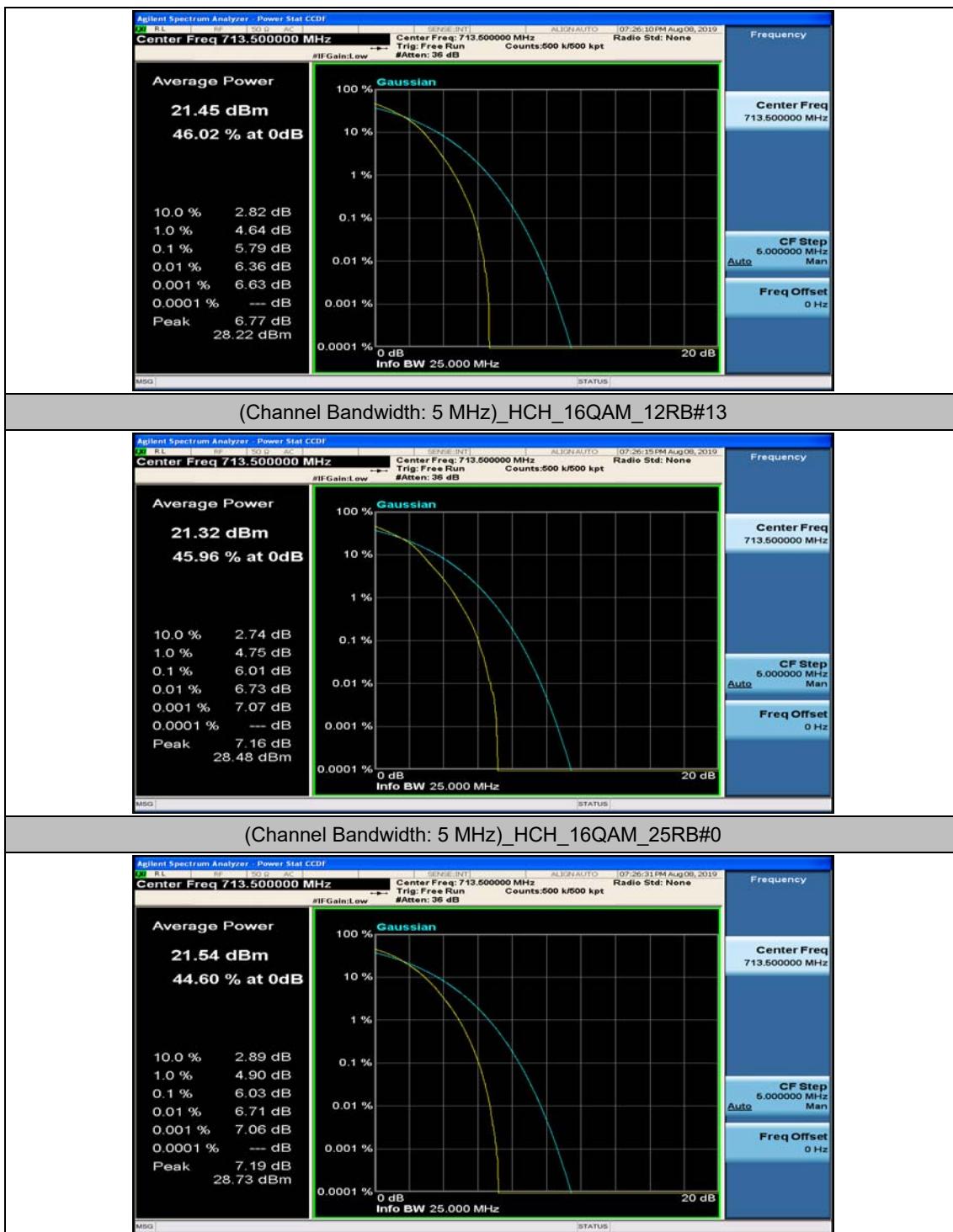


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

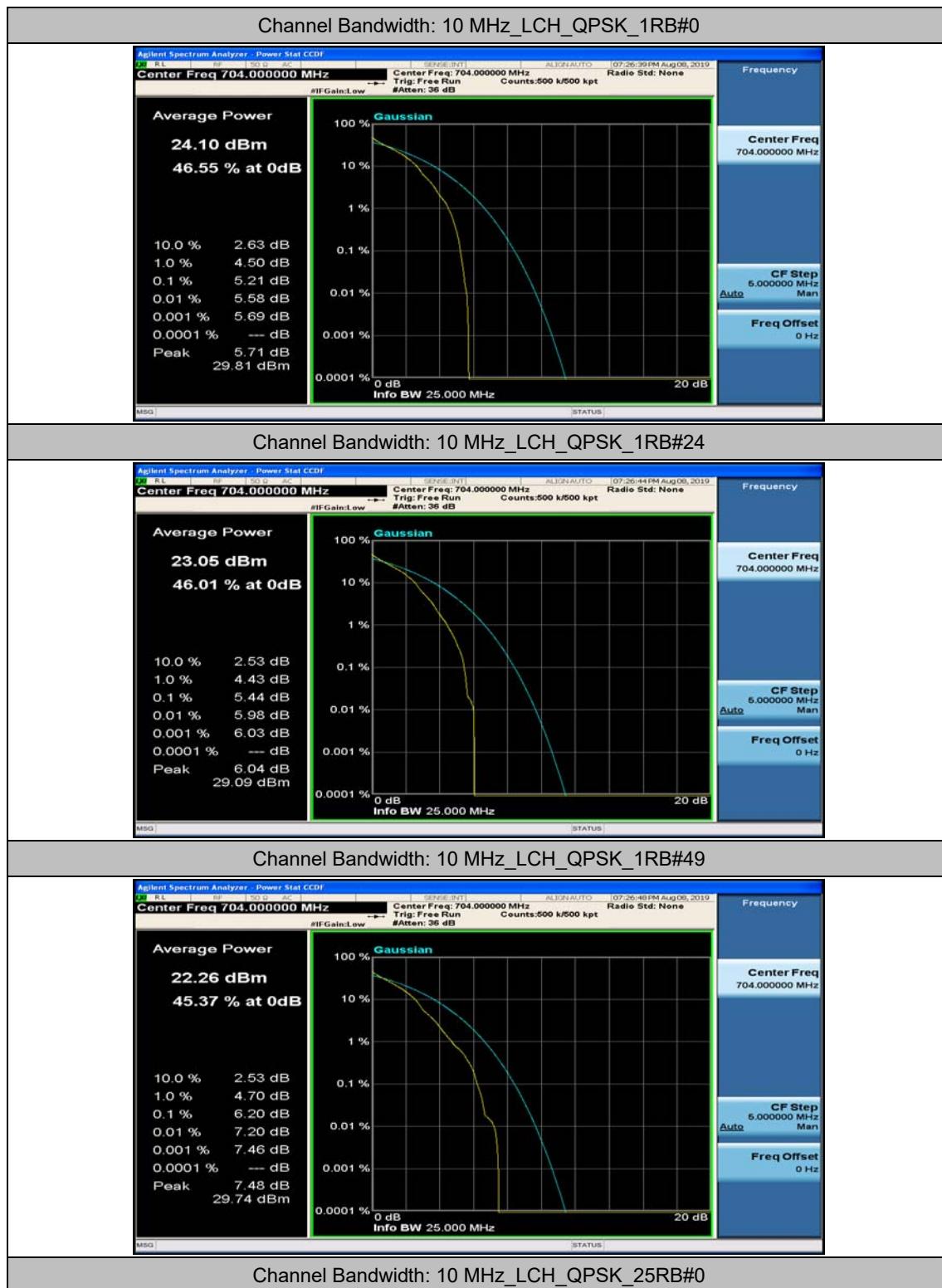


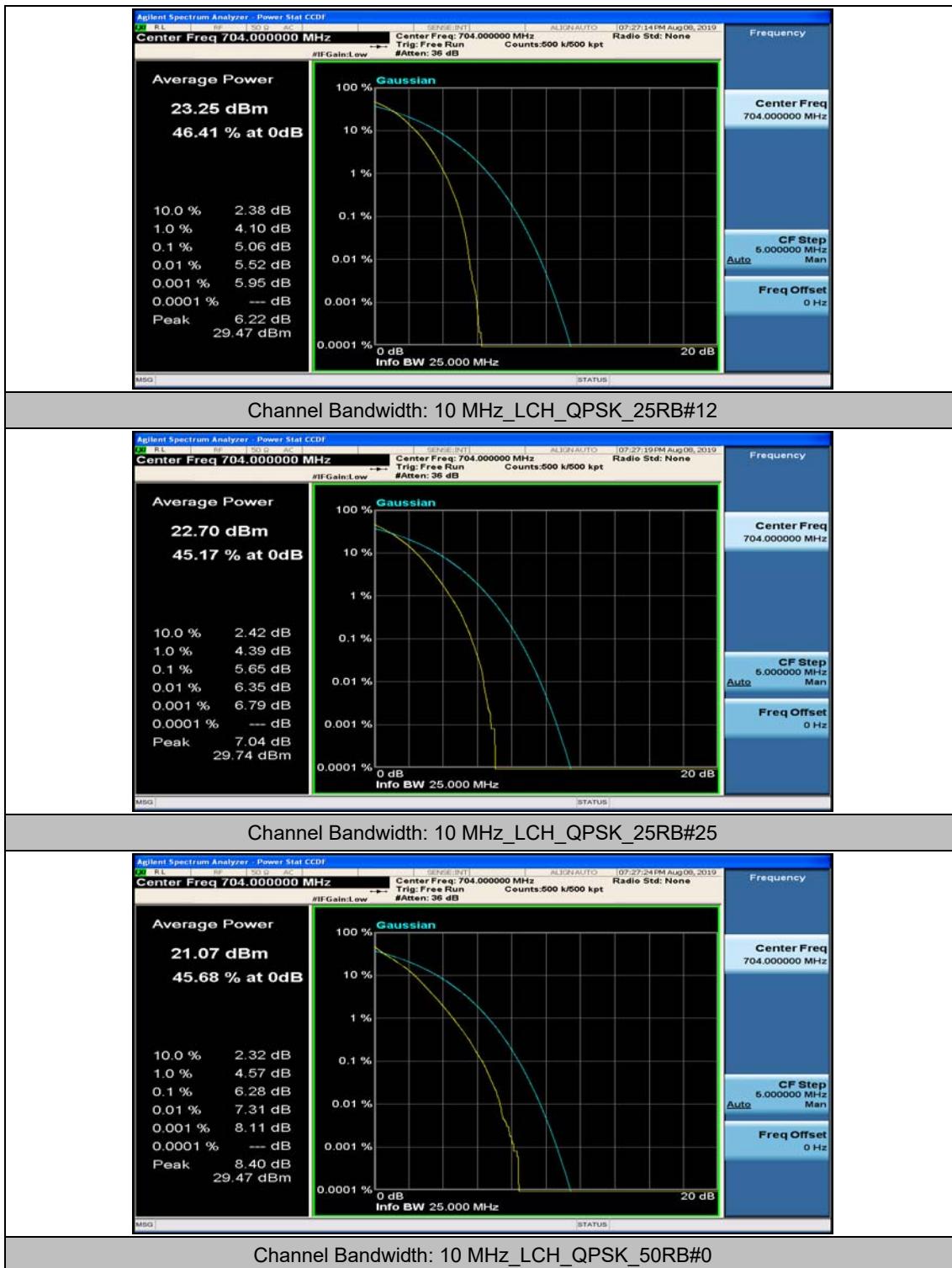


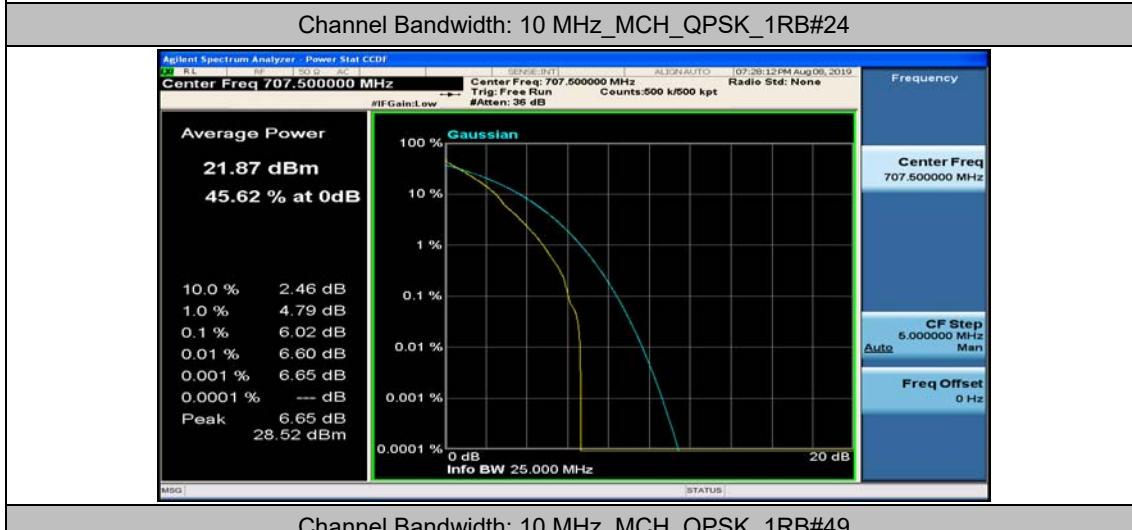
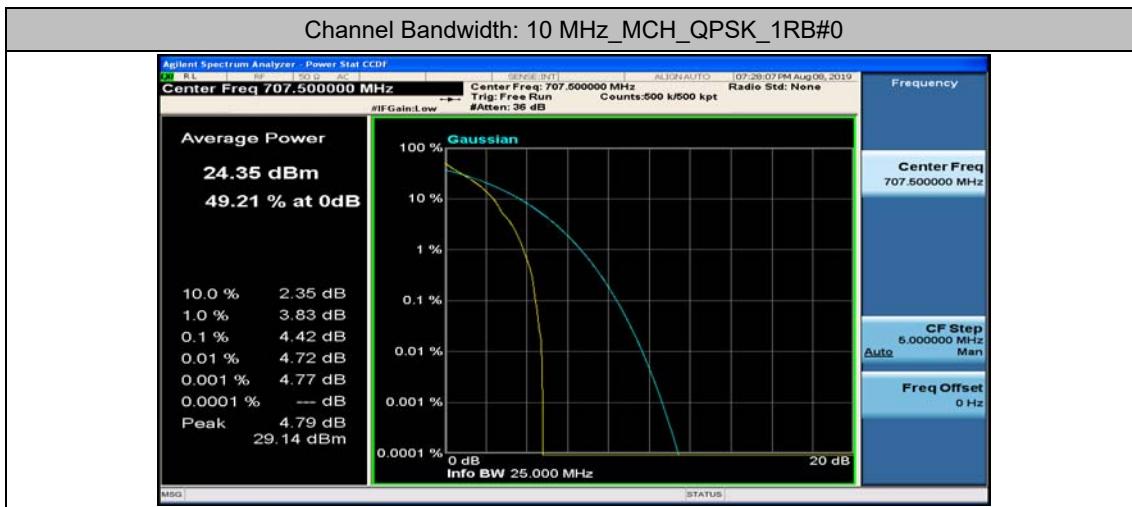
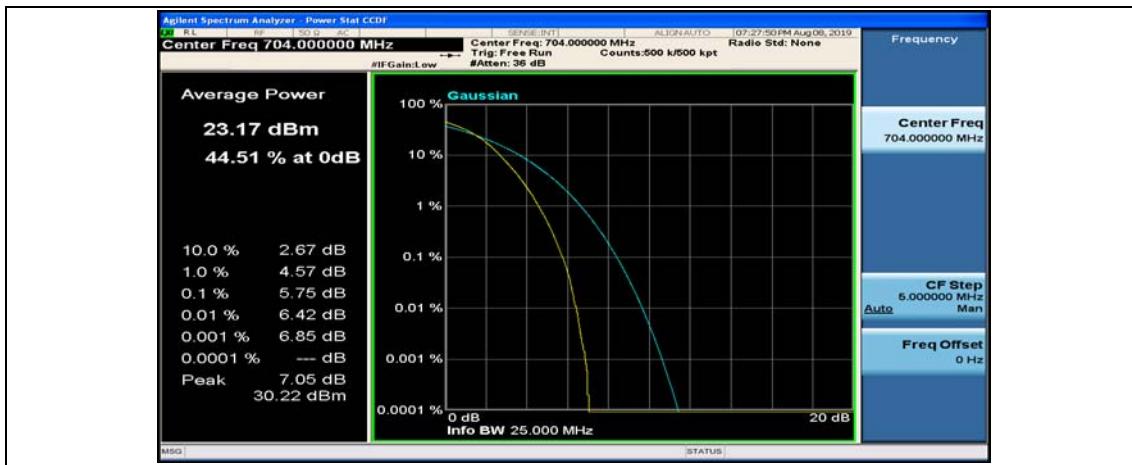




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49