

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	23.28	PASS
		1	3	23.35	PASS
		1	5	23.38	PASS
		3	0	22.36	PASS
		3	2	22.42	PASS
		3	3	22.40	PASS
		6	0	22.34	PASS
	MCH	1	0	23.27	PASS
		1	3	23.36	PASS
		1	5	23.29	PASS
		3	0	22.39	PASS
		3	2	22.33	PASS
		3	3	22.36	PASS
		6	0	22.34	PASS
16QAM	LCH	1	0	23.21	PASS
		1	3	23.31	PASS
		1	5	23.21	PASS
		3	0	22.30	PASS
		3	2	22.33	PASS
		3	3	22.31	PASS
		6	0	22.26	PASS
	MCH	1	0	22.67	PASS
		1	3	22.79	PASS
		1	5	22.66	PASS
		3	0	22.60	PASS
		3	2	22.58	PASS
		3	3	22.55	PASS
		6	0	21.37	PASS

		3	2	22.48	PASS
		3	3	22.42	PASS
		6	0	21.28	PASS
HCH	HCH	1	0	22.59	PASS
		1	3	22.71	PASS
		1	5	22.52	PASS
		3	0	22.40	PASS
		3	2	22.41	PASS
		3	3	22.40	PASS
		6	0	21.37	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	7	23.52	PASS
		1	14	23.32	PASS
		8	0	22.35	PASS
		8	4	22.40	PASS
		8	7	22.35	PASS
		15	0	22.36	PASS
	MCH	1	0	23.25	PASS
		1	7	23.72	PASS
		1	14	23.27	PASS
		8	0	22.27	PASS
		8	4	22.34	PASS
		8	7	22.32	PASS
		15	0	22.34	PASS
	HCH	1	0	23.28	PASS
		1	7	23.55	PASS
		1	14	23.27	PASS
		8	0	22.28	PASS
		8	4	22.28	PASS
		8	7	22.22	PASS
		15	0	22.24	PASS
16QAM	LCH	1	0	22.65	PASS
		1	7	22.95	PASS
		1	14	22.64	PASS
		8	0	21.49	PASS
		8	4	21.50	PASS
		8	7	21.41	PASS
		15	0	21.35	PASS

	MCH	1	0	22.71	PASS
		1	7	22.99	PASS
		1	14	22.77	PASS
		8	0	21.31	PASS
		8	4	21.37	PASS
		8	7	21.33	PASS
		15	0	21.34	PASS
	HCH	1	0	22.60	PASS
		1	7	22.99	PASS
		1	14	22.58	PASS
		8	0	21.18	PASS
		8	4	21.32	PASS
		8	7	21.24	PASS
		15	0	21.24	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	12	23.55	PASS
		1	24	23.31	PASS
		12	0	22.43	PASS
		12	6	22.41	PASS
		12	13	22.28	PASS
		25	0	22.42	PASS
	MCH	1	0	23.31	PASS
		1	12	23.60	PASS
		1	24	23.24	PASS
		12	0	22.31	PASS
		12	6	22.36	PASS
		12	13	22.37	PASS
		25	0	22.38	PASS
	HCH	1	0	23.28	PASS
		1	12	23.56	PASS
		1	24	23.21	PASS
		12	0	22.29	PASS
		12	6	22.32	PASS
		12	13	22.24	PASS
		25	0	22.25	PASS
16QAM	LCH	1	0	22.66	PASS
		1	12	22.95	PASS
		1	24	22.61	PASS

		12	0	21.52	PASS
		12	6	21.48	PASS
		12	13	21.40	PASS
		25	0	21.40	PASS
MCH	MCH	1	0	22.59	PASS
		1	12	22.92	PASS
		1	24	22.57	PASS
		12	0	21.37	PASS
		12	6	21.46	PASS
		12	13	21.47	PASS
		25	0	21.41	PASS
HCH	HCH	1	0	22.47	PASS
		1	12	22.72	PASS
		1	24	22.48	PASS
		12	0	21.33	PASS
		12	6	21.34	PASS
		12	13	21.24	PASS
		25	0	21.32	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.79	PASS
		1	24	23.51	PASS
		1	49	23.22	PASS
		25	0	22.53	PASS
		25	12	22.36	PASS
		25	25	22.46	PASS
		50	0	22.46	PASS
	MCH	1	0	23.28	PASS
		1	24	23.48	PASS
		1	49	23.07	PASS
		25	0	22.35	PASS
		25	12	22.35	PASS
		25	25	22.45	PASS
		50	0	22.38	PASS
	HCH	1	0	23.29	PASS
		1	24	23.43	PASS
		1	49	23.21	PASS
		25	0	22.25	PASS
		25	12	22.29	PASS
		25	25	22.23	PASS

		50	0	22.23	PASS
16QAM	LCH	1	0	22.68	PASS
		1	24	22.83	PASS
		1	49	22.57	PASS
		25	0	21.55	PASS
		25	12	21.41	PASS
		25	25	21.51	PASS
		50	0	21.50	PASS
	MCH	1	0	22.76	PASS
		1	24	22.96	PASS
		1	49	22.64	PASS
		25	0	21.40	PASS
		25	12	21.42	PASS
		25	25	21.48	PASS
		50	0	21.47	PASS
	HCH	1	0	22.60	PASS
		1	24	22.78	PASS
		1	49	22.52	PASS
		25	0	21.26	PASS
		25	12	21.33	PASS
		25	25	21.25	PASS
		50	0	21.25	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	5.71	<13	PASS
		1	3	5.49	<13	PASS
		1	5	5.61	<13	PASS
		3	0	5.53	<13	PASS
		3	2	5.53	<13	PASS
		3	3	5.62	<13	PASS
		6	0	5.72	<13	PASS
	MCH	1	0	5.17	<13	PASS
		1	3	5.15	<13	PASS
		1	5	5.28	<13	PASS
		3	0	5.32	<13	PASS
		3	2	5.25	<13	PASS
		3	3	5.37	<13	PASS
		6	0	5.65	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	3	4.94	<13	PASS
		1	5	5.2	<13	PASS
		3	0	5.29	<13	PASS
		3	2	5.22	<13	PASS
		3	3	5.26	<13	PASS
		6	0	5.61	<13	PASS
	MCH	1	0	6.35	<13	PASS
		1	3	6.49	<13	PASS
		1	5	6.38	<13	PASS
		3	0	6.57	<13	PASS
		3	2	6.55	<13	PASS
		3	3	6.48	<13	PASS
		6	0	6.79	<13	PASS

		3	2	6.38	<13	PASS
		3	3	6.37	<13	PASS
		6	0	6.6	<13	PASS
HCH		1	0	6.31	<13	PASS
		1	3	6.06	<13	PASS
		1	5	5.97	<13	PASS
		3	0	6.11	<13	PASS
		3	2	6.1	<13	PASS
		3	3	6	<13	PASS
		6	0	6.58	<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	5.53	<13	PASS
		1	7	5.33	<13	PASS
		1	14	5.62	<13	PASS
		8	0	5.93	<13	PASS
		8	4	5.68	<13	PASS
		8	7	5.85	<13	PASS
		15	0	5.79	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	7	5.1	<13	PASS
		1	14	5.13	<13	PASS
		8	0	5.79	<13	PASS
		8	4	5.81	<13	PASS
		8	7	5.77	<13	PASS
		15	0	5.75	<13	PASS
	HCH	1	0	5.24	<13	PASS
		1	7	5.15	<13	PASS
		1	14	5.07	<13	PASS
		8	0	5.7	<13	PASS
		8	4	5.64	<13	PASS
		8	7	5.77	<13	PASS
		15	0	5.59	<13	PASS
16QAM	LCH	1	0	6.4	<13	PASS
		1	7	6.2	<13	PASS
		1	14	6.6	<13	PASS
		8	0	6.5	<13	PASS
		8	4	6.57	<13	PASS

		8	7	6.44	<13	PASS
		15	0	6.73	<13	PASS
MCH		1	0	5.89	<13	PASS
		1	7	6.18	<13	PASS
		1	14	6.3	<13	PASS
		8	0	6.46	<13	PASS
		8	4	6.45	<13	PASS
		8	7	6.52	<13	PASS
		15	0	6.58	<13	PASS
HCH		1	0	5.95	<13	PASS
		1	7	6.42	<13	PASS
		1	14	5.93	<13	PASS
		8	0	6.68	<13	PASS
		8	4	6.72	<13	PASS
		8	7	6.71	<13	PASS
		15	0	6.48	<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	5.67	<13	PASS
		1	12	5.59	<13	PASS
		1	24	5.52	<13	PASS
		12	0	5.84	<13	PASS
		12	6	5.82	<13	PASS
		12	13	5.82	<13	PASS
		25	0	5.83	<13	PASS
	MCH	1	0	5.43	<13	PASS
		1	12	5.26	<13	PASS
		1	24	5.4	<13	PASS
		12	0	5.64	<13	PASS
		12	6	5.66	<13	PASS
		12	13	5.67	<13	PASS
		25	0	5.76	<13	PASS
	HCH	1	0	5.36	<13	PASS
		1	12	5.1	<13	PASS
		1	24	5.04	<13	PASS
		12	0	5.79	<13	PASS
		12	6	5.73	<13	PASS
		12	13	5.6	<13	PASS

		25	0	5.76	<13	PASS
16QAM	LCH	1	0	6.19	<13	PASS
		1	12	6.53	<13	PASS
		1	24	6.43	<13	PASS
		12	0	6.78	<13	PASS
		12	6	6.75	<13	PASS
		12	13	6.79	<13	PASS
		25	0	6.5	<13	PASS
	MCH	1	0	6.28	<13	PASS
		1	12	5.99	<13	PASS
		1	24	6.34	<13	PASS
		12	0	6.49	<13	PASS
		12	6	6.51	<13	PASS
		12	13	6.53	<13	PASS
		25	0	6.62	<13	PASS
	HCH	1	0	6.14	<13	PASS
		1	12	5.78	<13	PASS
		1	24	5.79	<13	PASS
		12	0	6.57	<13	PASS
		12	6	6.56	<13	PASS
		12	13	6.46	<13	PASS
		25	0	6.47	<13	PASS

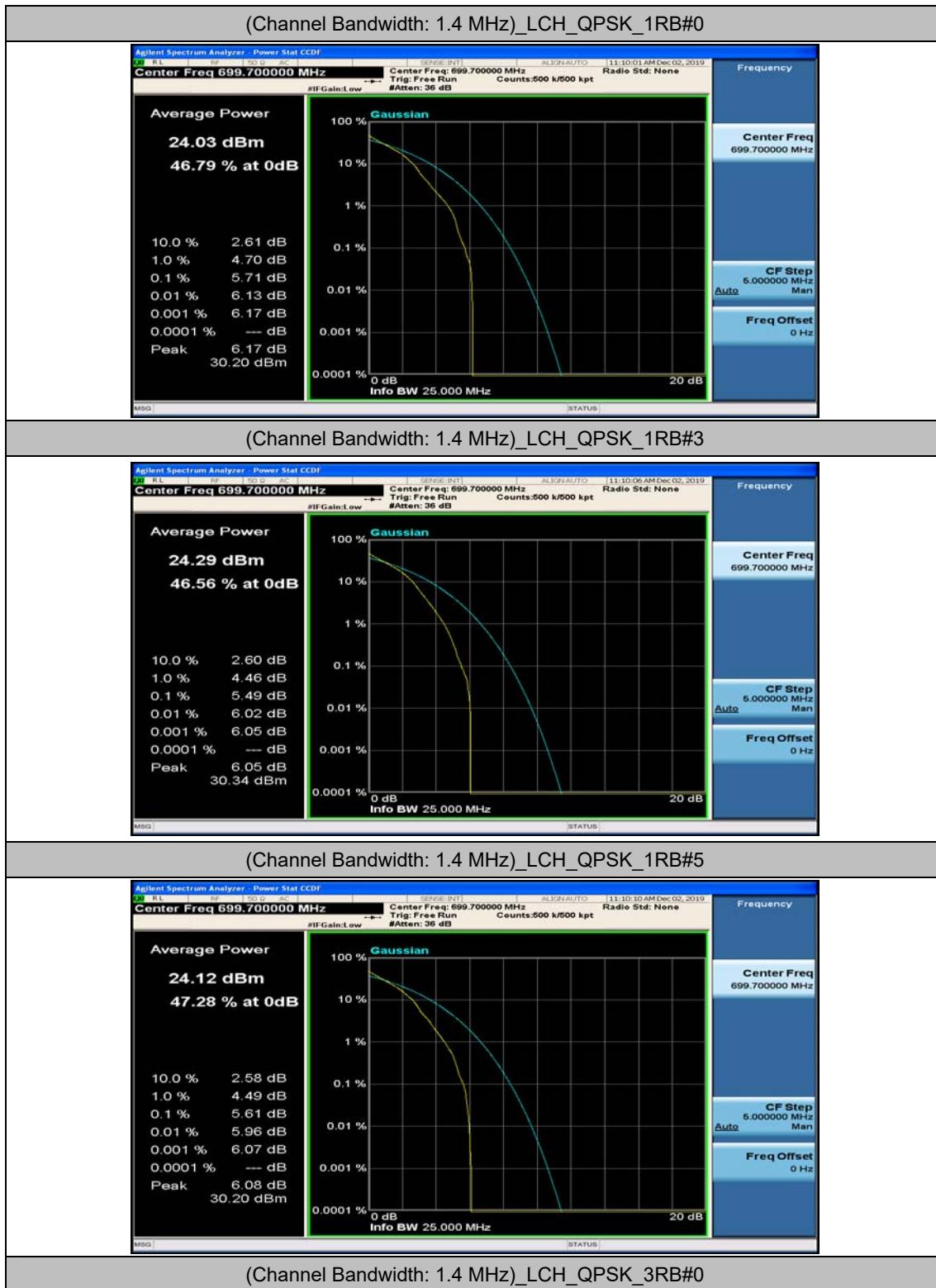
Channel Bandwidth: 10 MHz

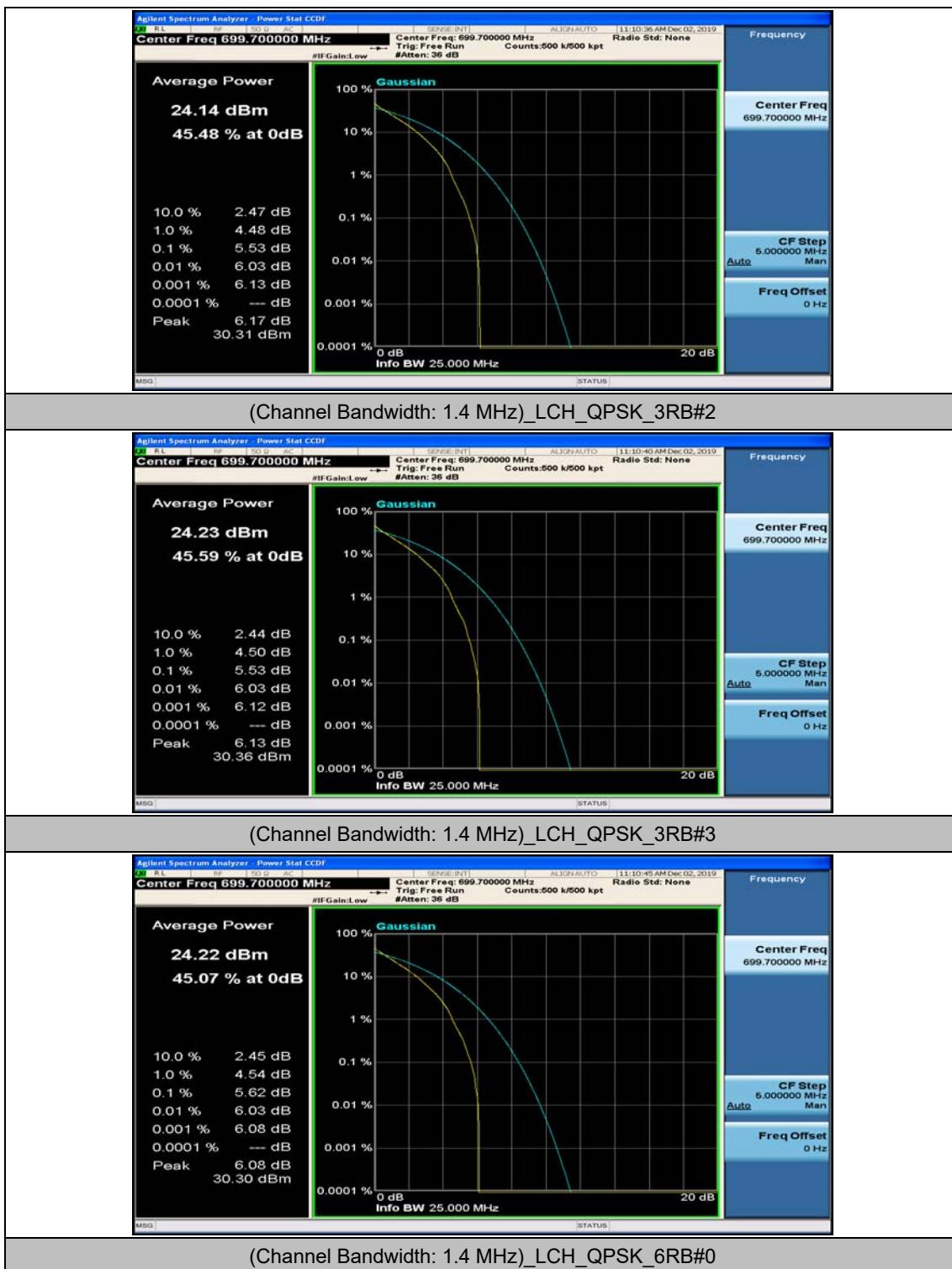
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.35	<13	PASS
		1	24	5.21	<13	PASS
		1	49	5.32	<13	PASS
		25	0	5.76	<13	PASS
		25	12	5.86	<13	PASS
		25	25	5.69	<13	PASS
		50	0	5.76	<13	PASS
	MCH	1	0	5.14	<13	PASS
		1	24	5.04	<13	PASS
		1	49	5.16	<13	PASS
		25	0	5.77	<13	PASS
		25	12	5.77	<13	PASS
		25	25	5.75	<13	PASS
		50	0	5.72	<13	PASS

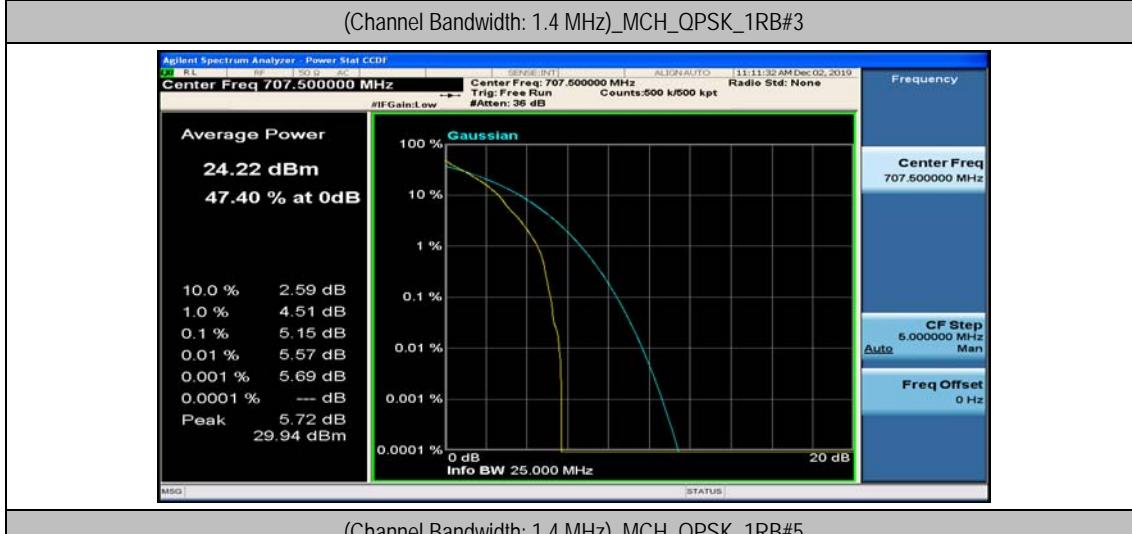
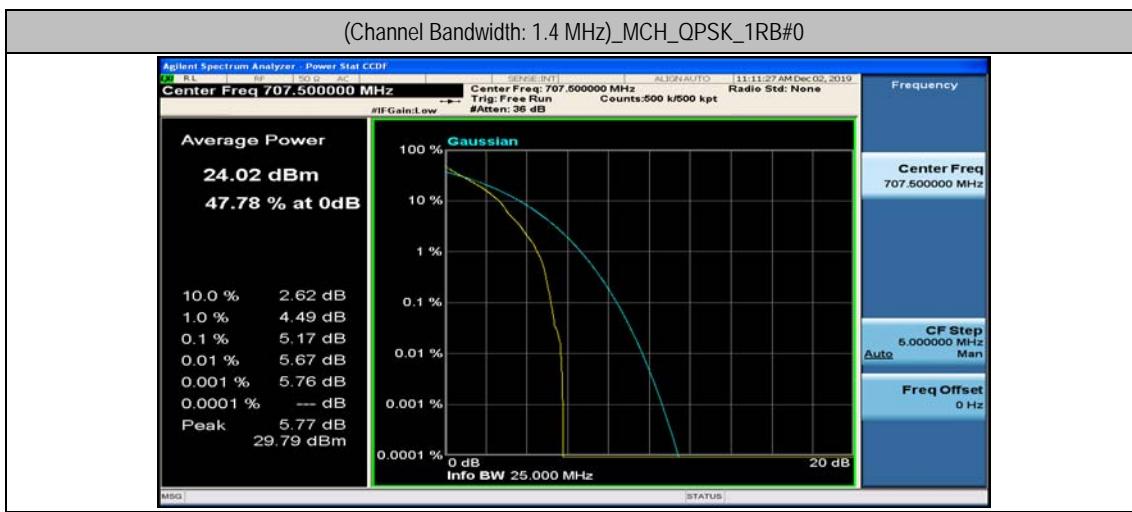
		1	0	5.33	<13	PASS
		1	24	5.23	<13	PASS
		1	49	5.08	<13	PASS
	HCH	25	0	5.65	<13	PASS
		25	12	5.64	<13	PASS
		25	25	5.64	<13	PASS
		50	0	5.69	<13	PASS
16QAM	LCH	1	0	6.13	<13	PASS
		1	24	6.42	<13	PASS
		1	49	6.4	<13	PASS
		25	0	6.72	<13	PASS
		25	12	6.63	<13	PASS
		25	25	6.66	<13	PASS
		50	0	6.5	<13	PASS
	MCH	1	0	6.08	<13	PASS
		1	24	6	<13	PASS
		1	49	6.12	<13	PASS
		25	0	6.63	<13	PASS
		25	12	6.61	<13	PASS
		25	25	6.57	<13	PASS
		50	0	6.51	<13	PASS
	HCH	1	0	6.27	<13	PASS
		1	24	6.16	<13	PASS
		1	49	6.19	<13	PASS
		25	0	6.57	<13	PASS
		25	12	6.68	<13	PASS
		25	25	6.59	<13	PASS
		50	0	6.52	<13	PASS

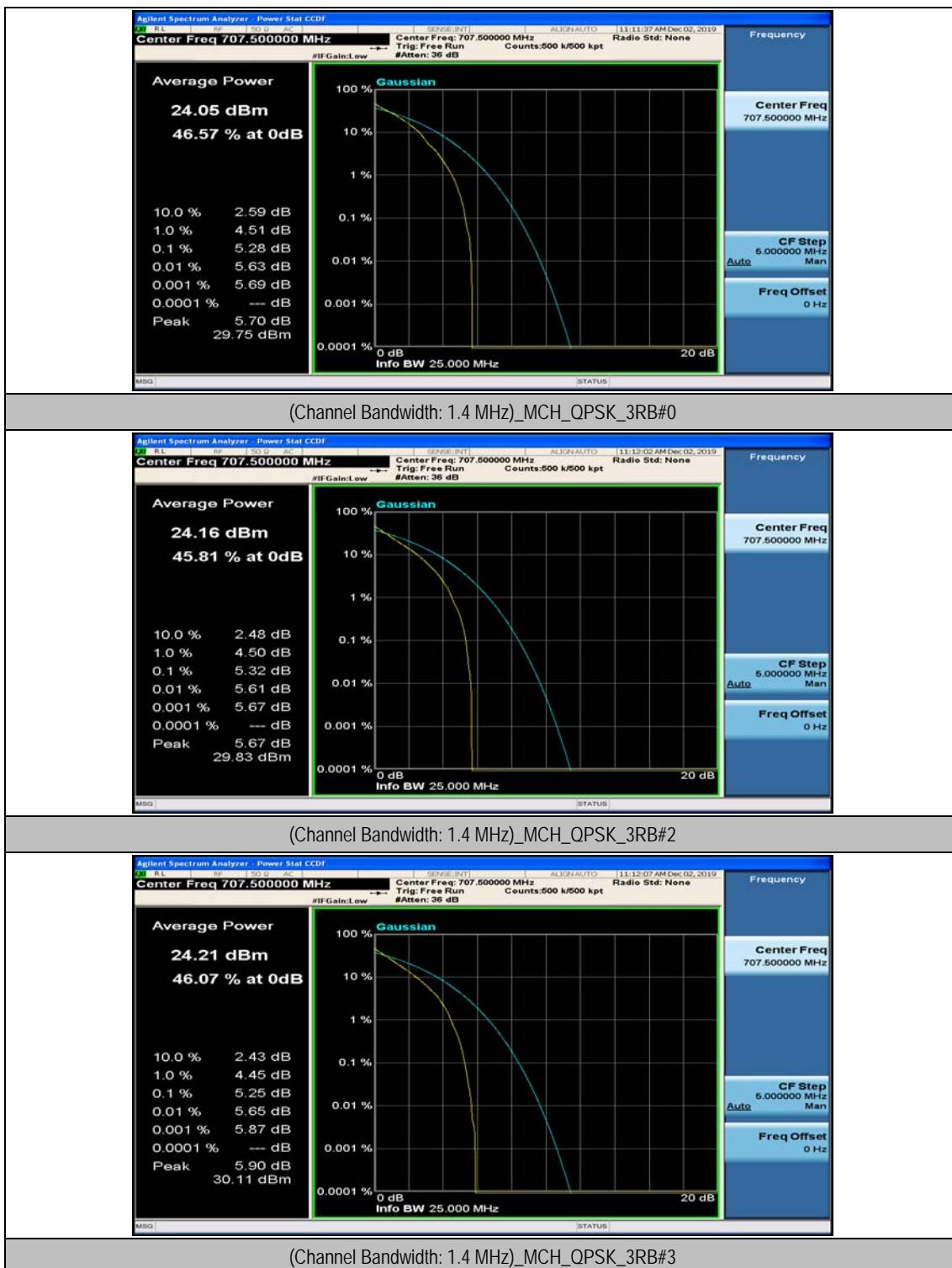
Test Graphs

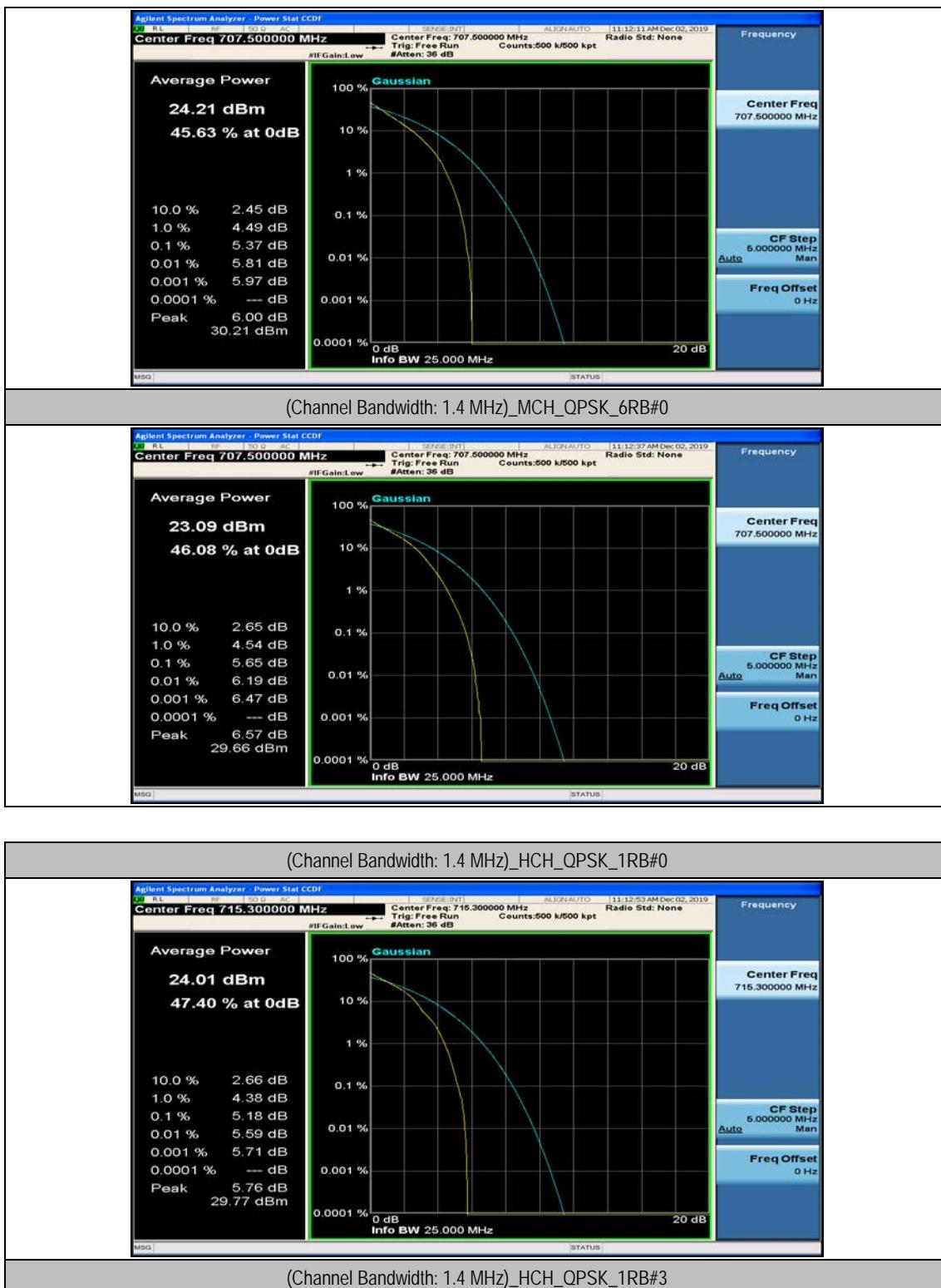
Channel Bandwidth: 1.4 MHz

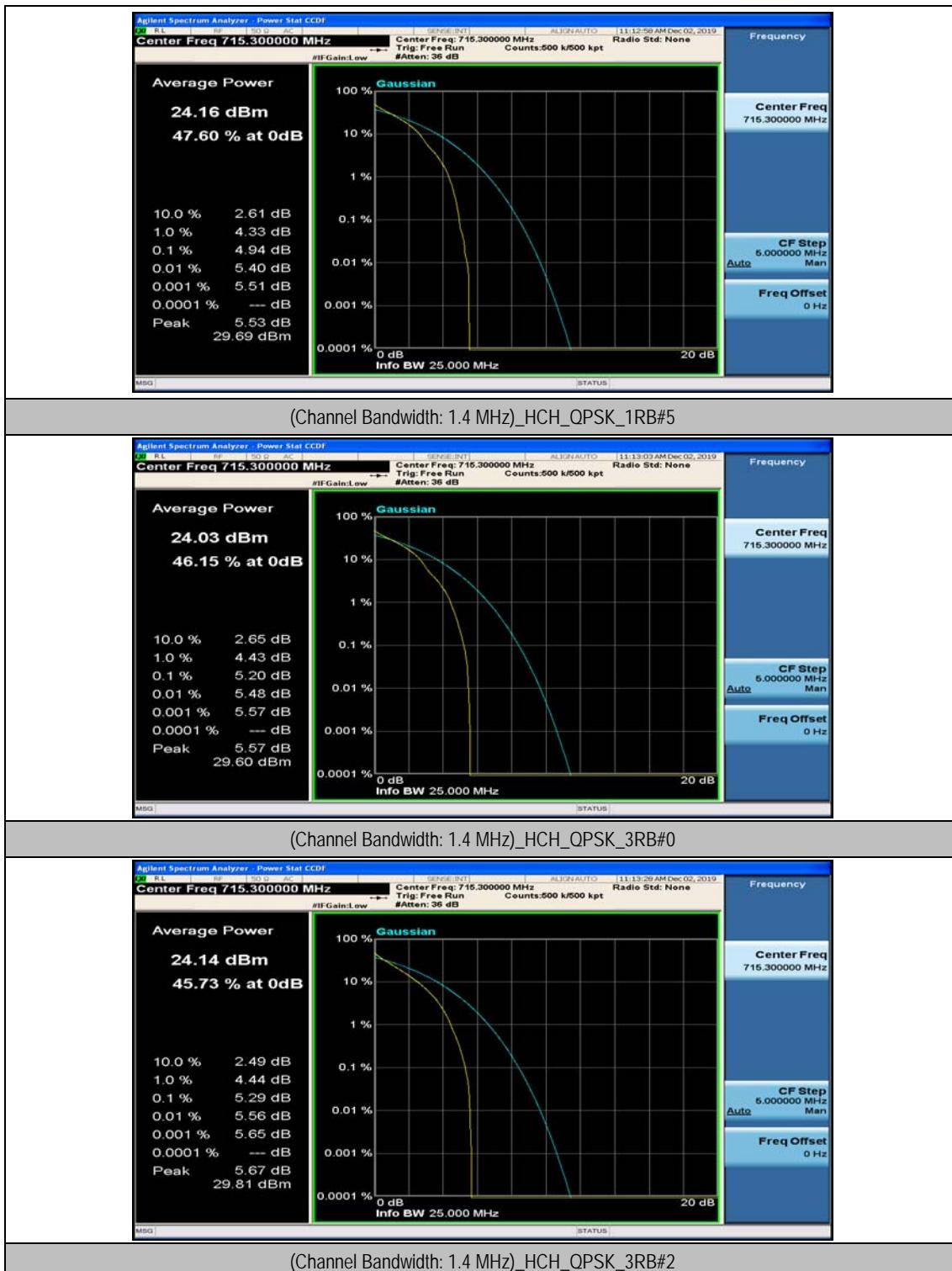


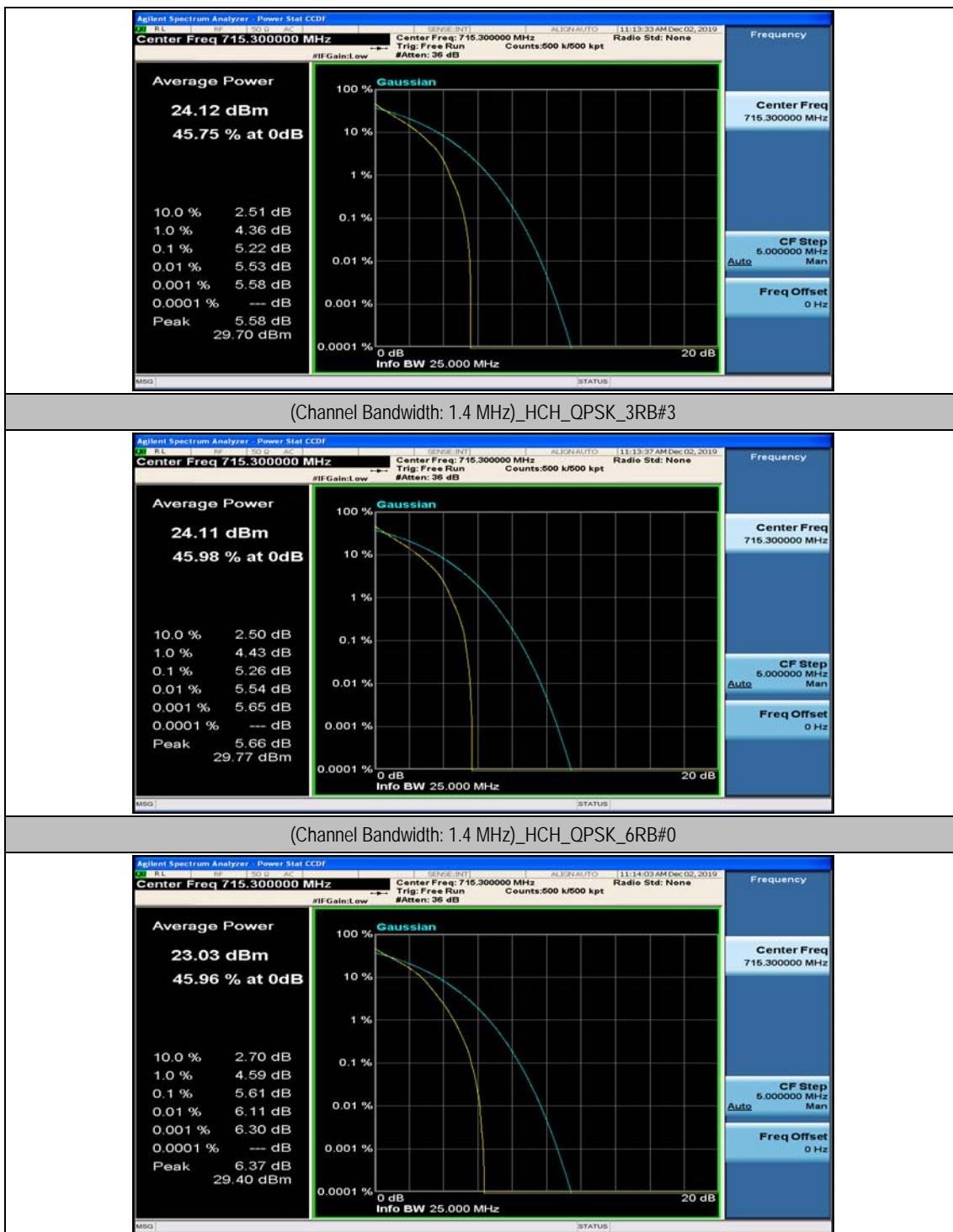


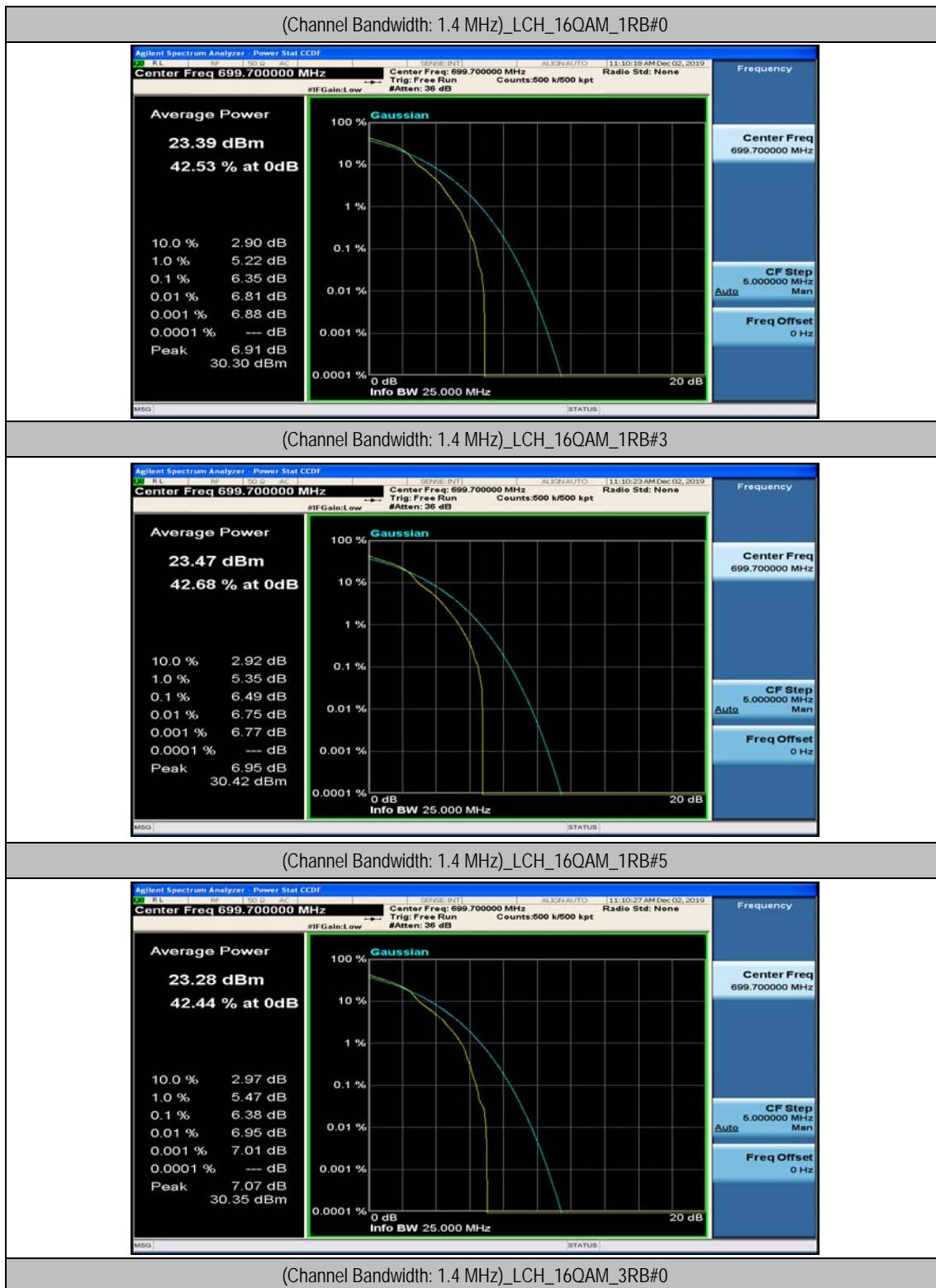


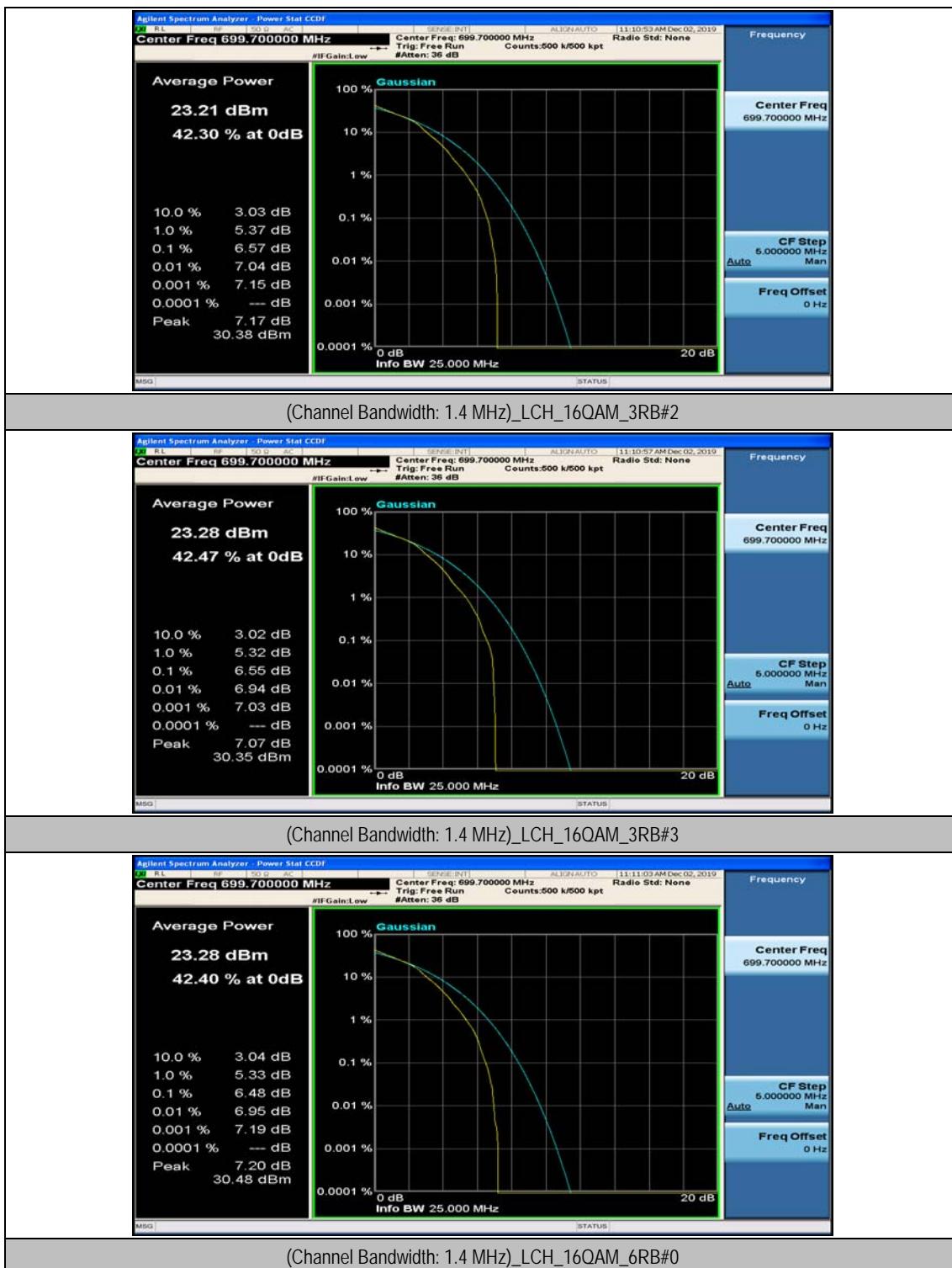


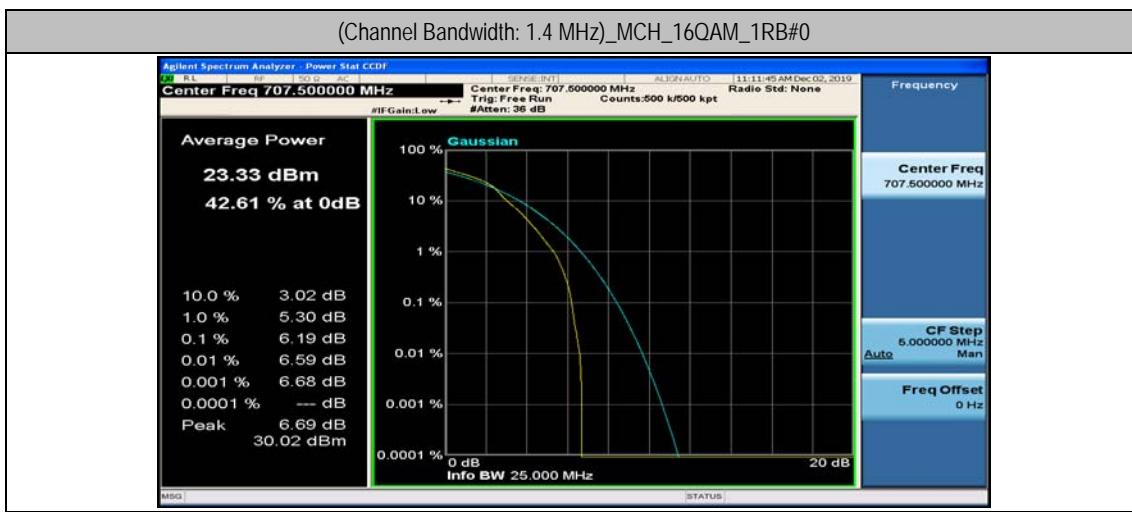
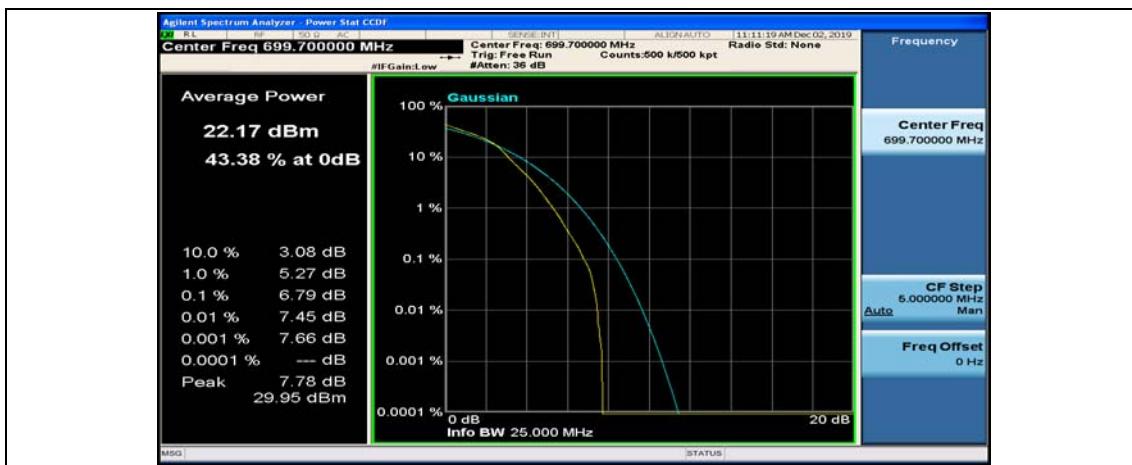


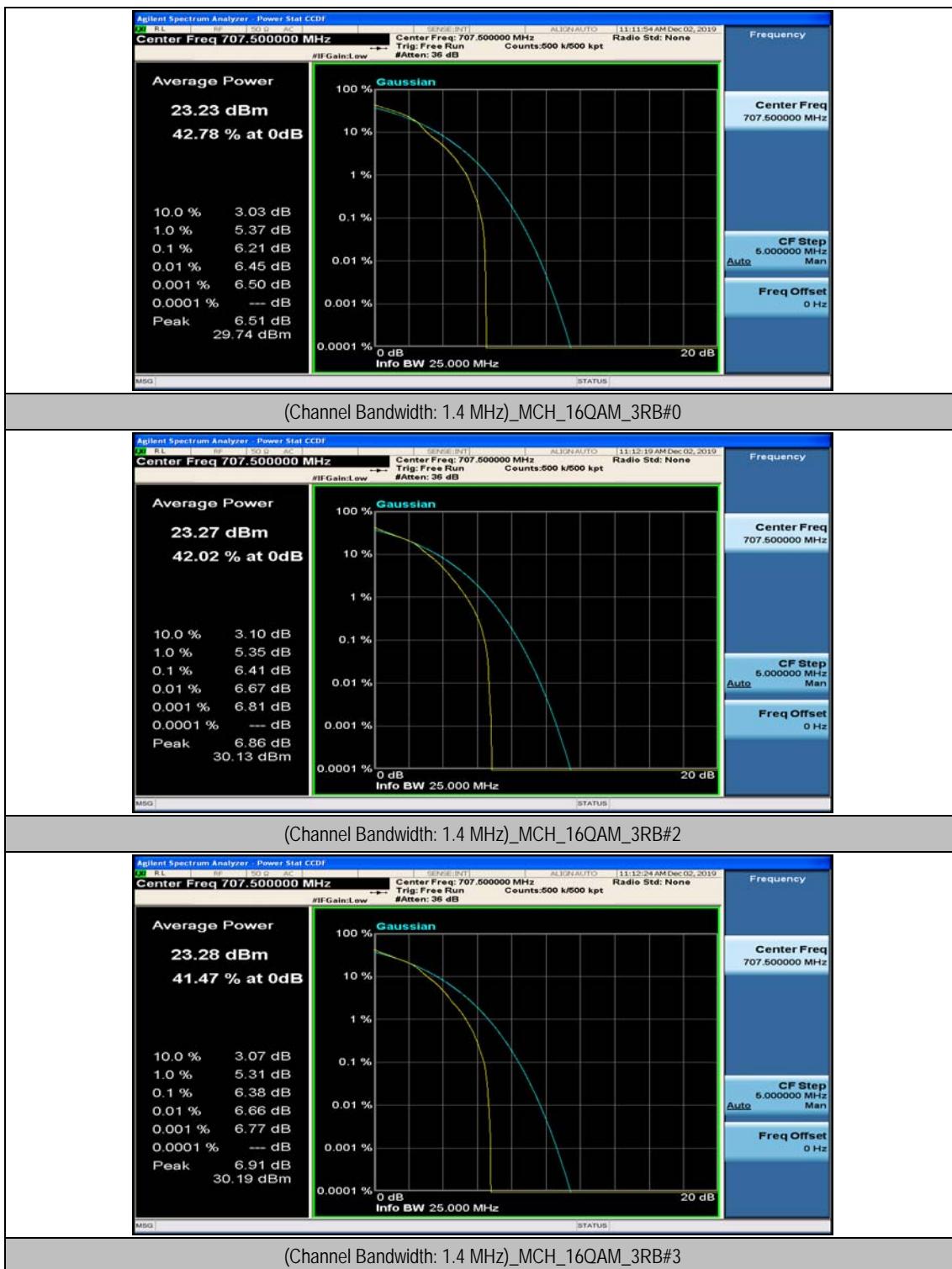


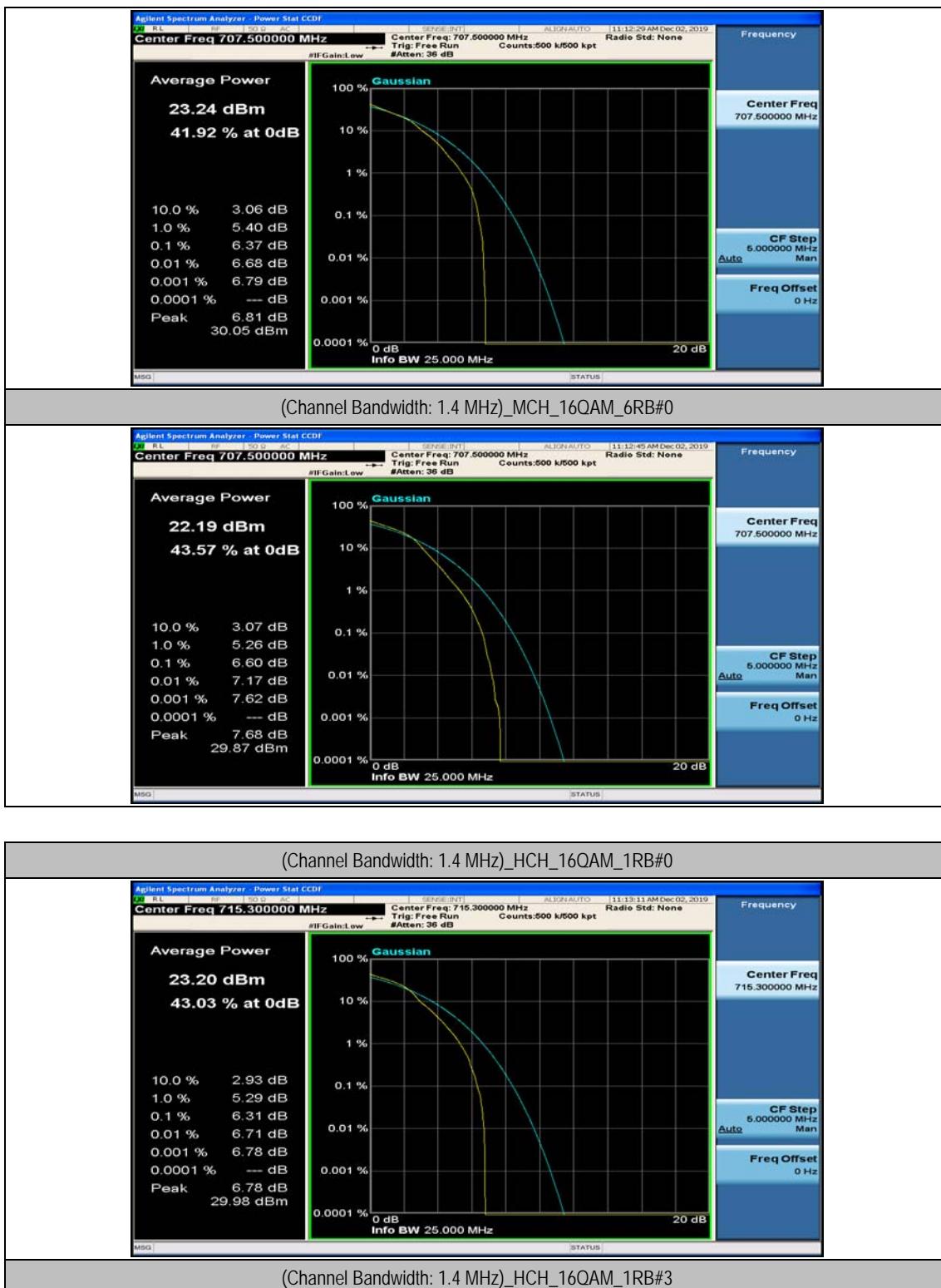


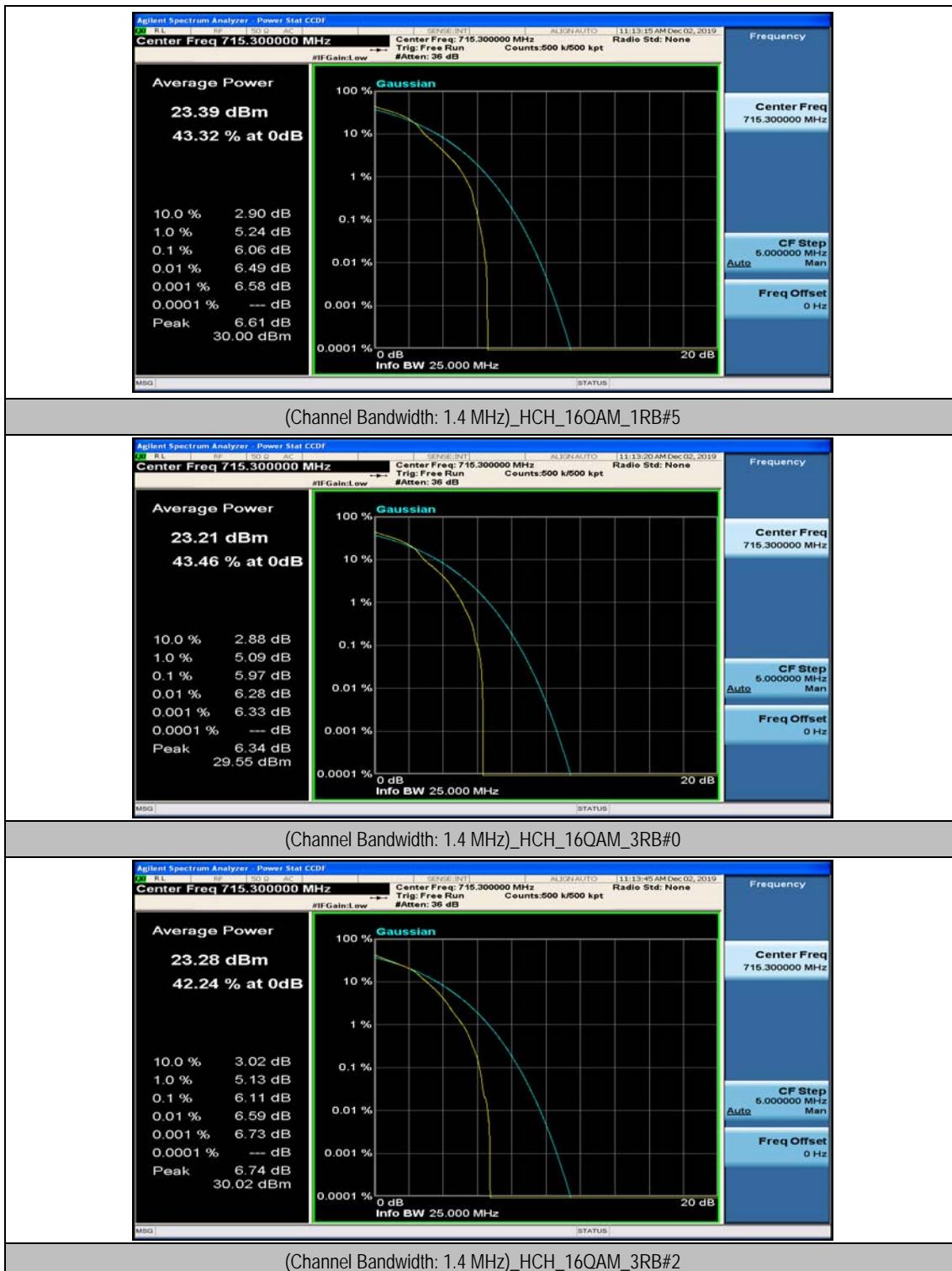


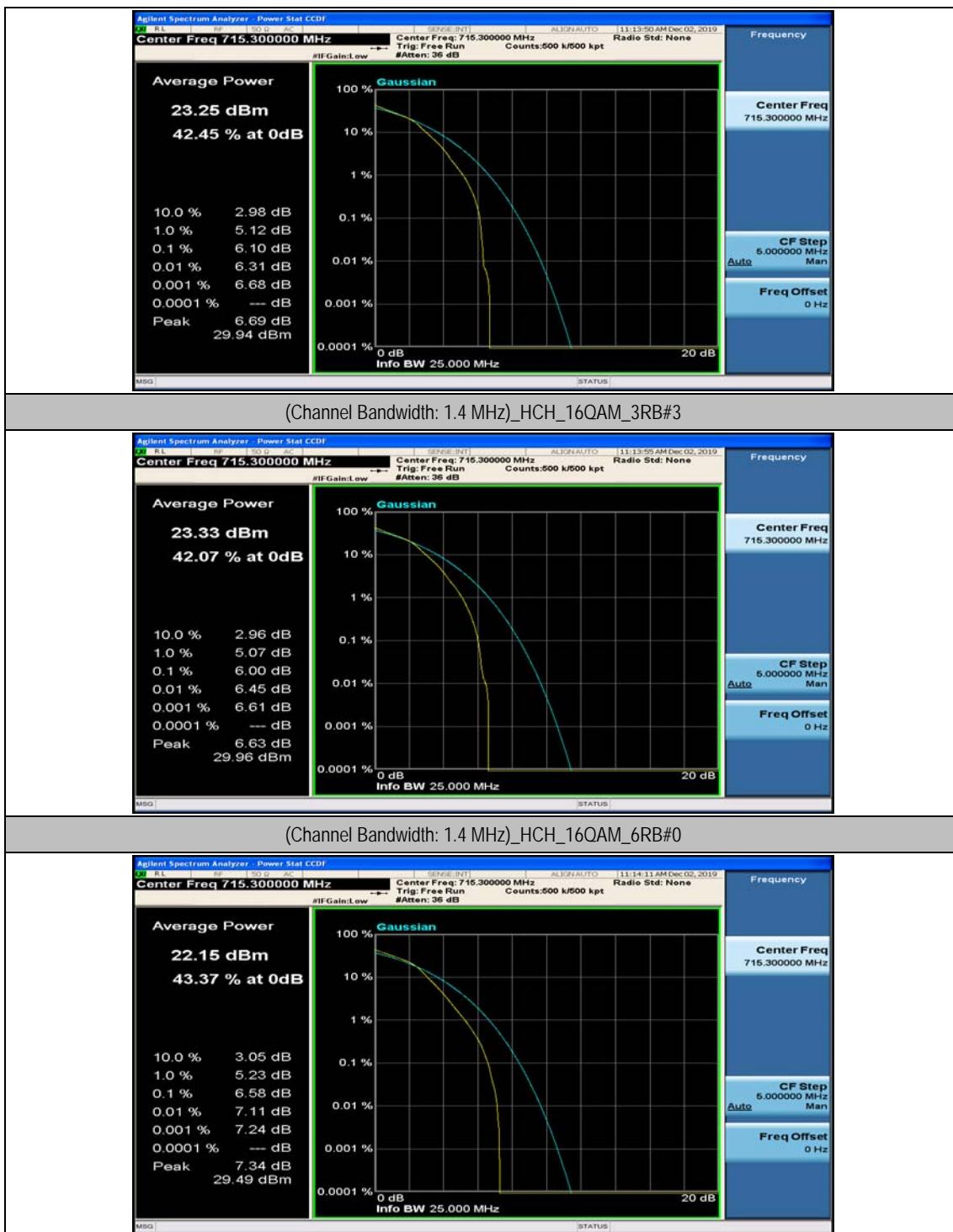




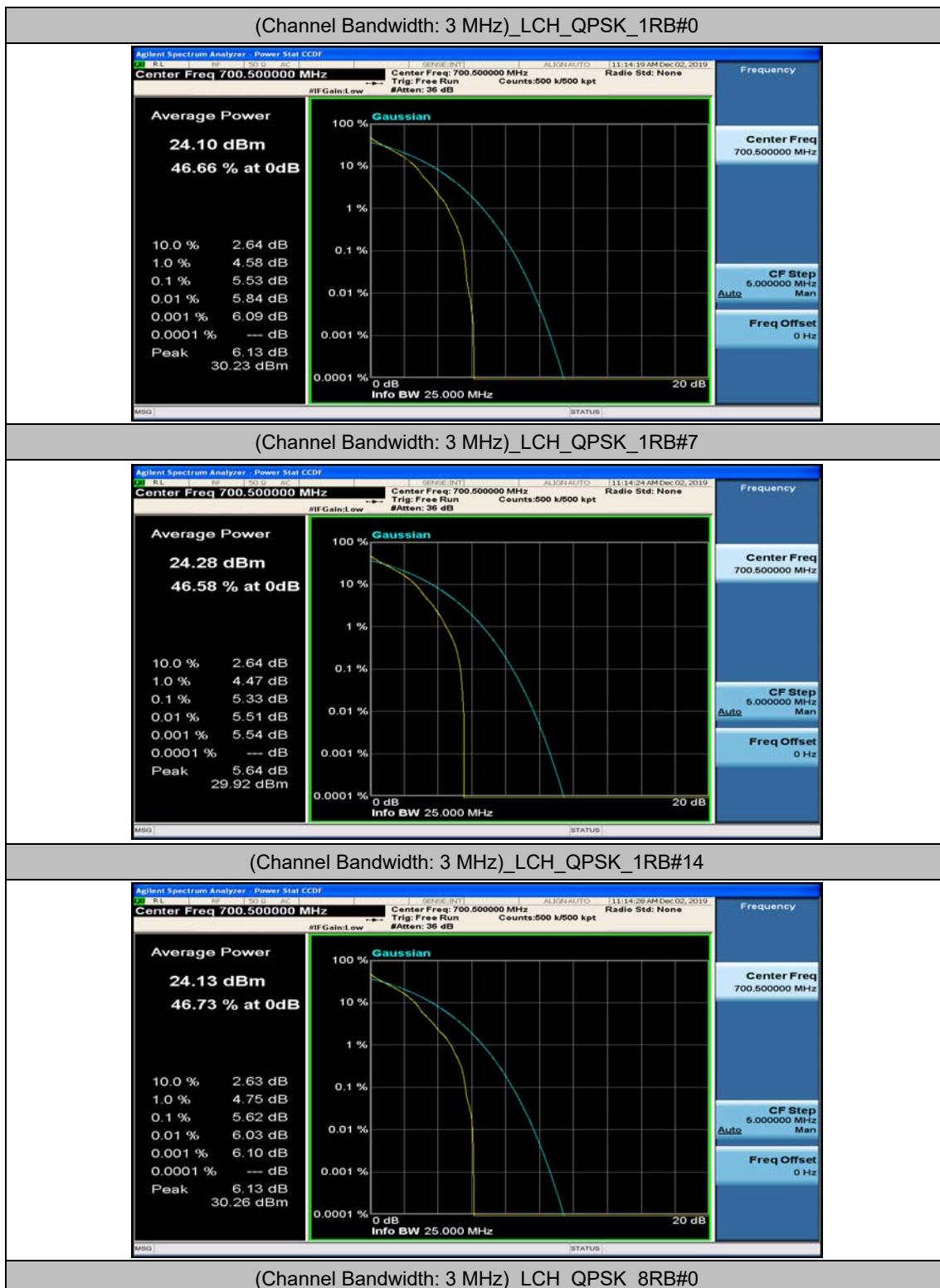


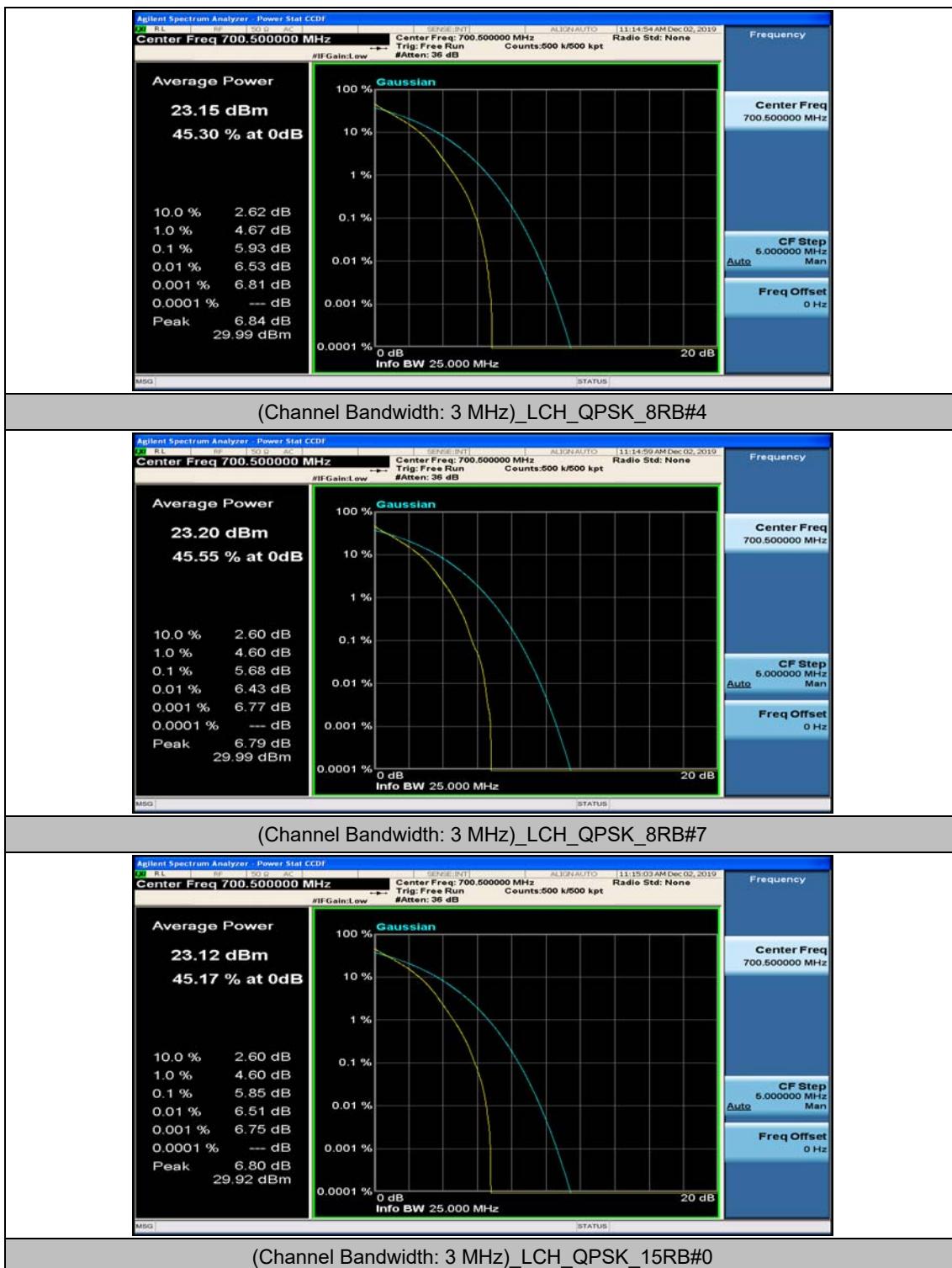


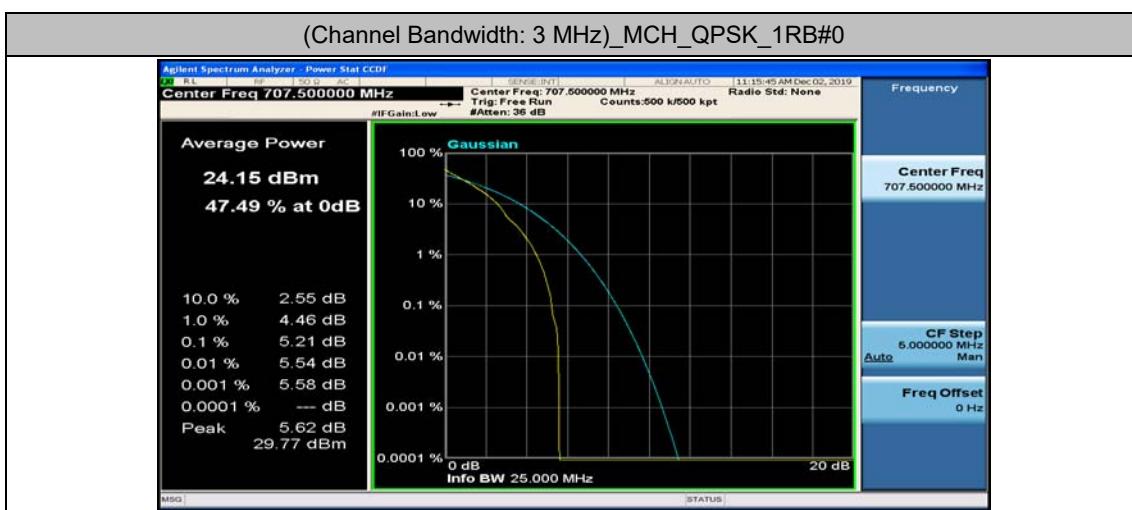
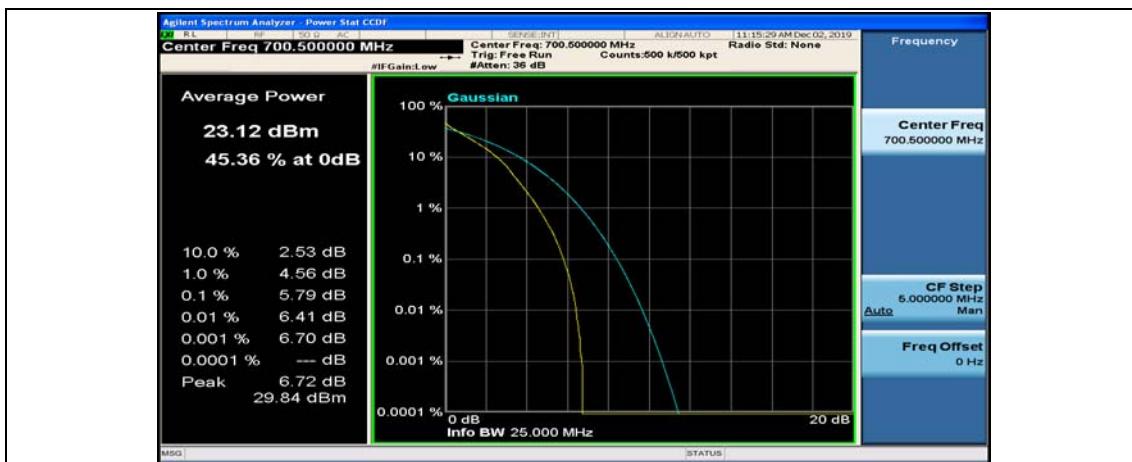




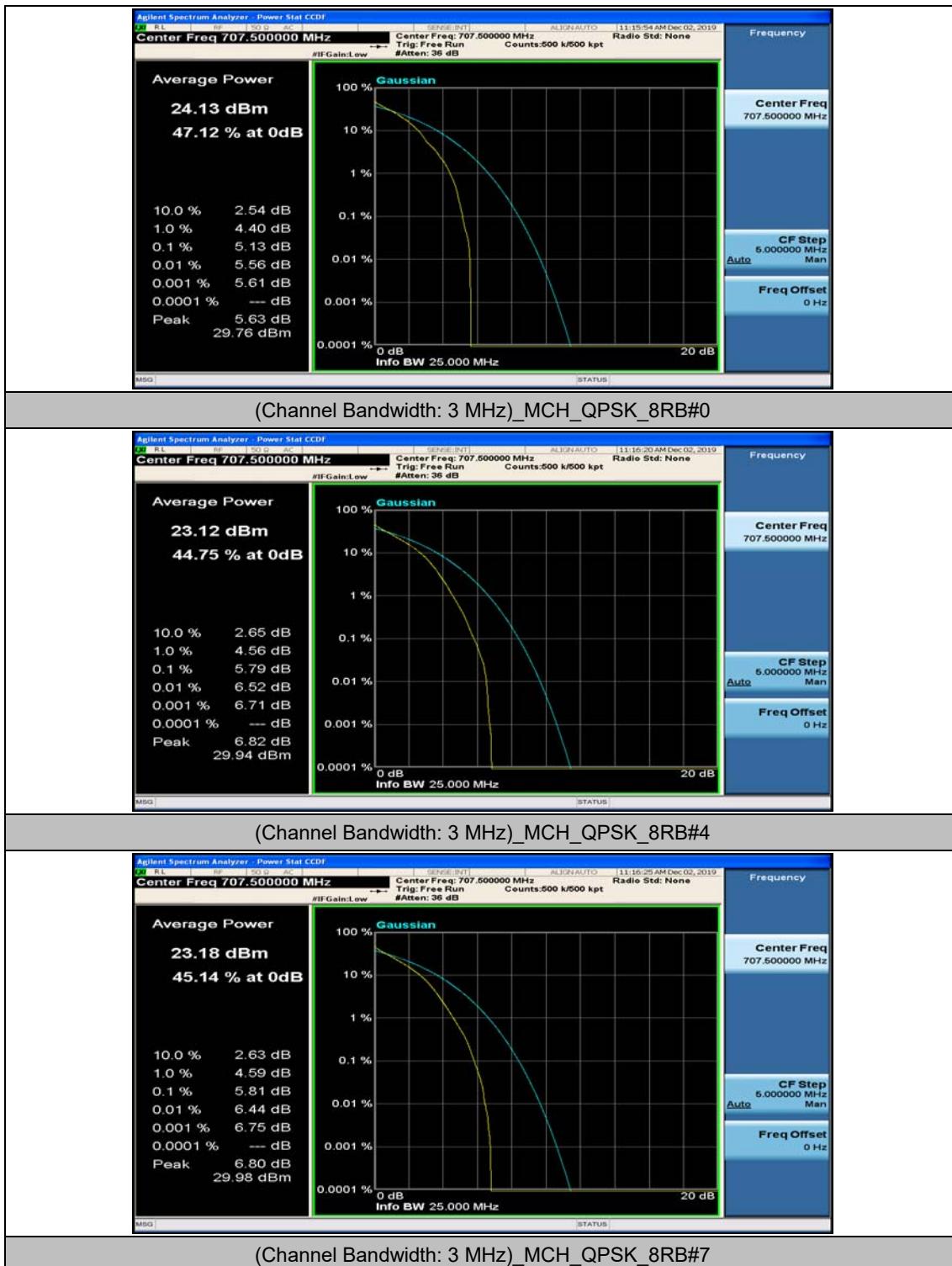
Channel Bandwidth: 3 MHz

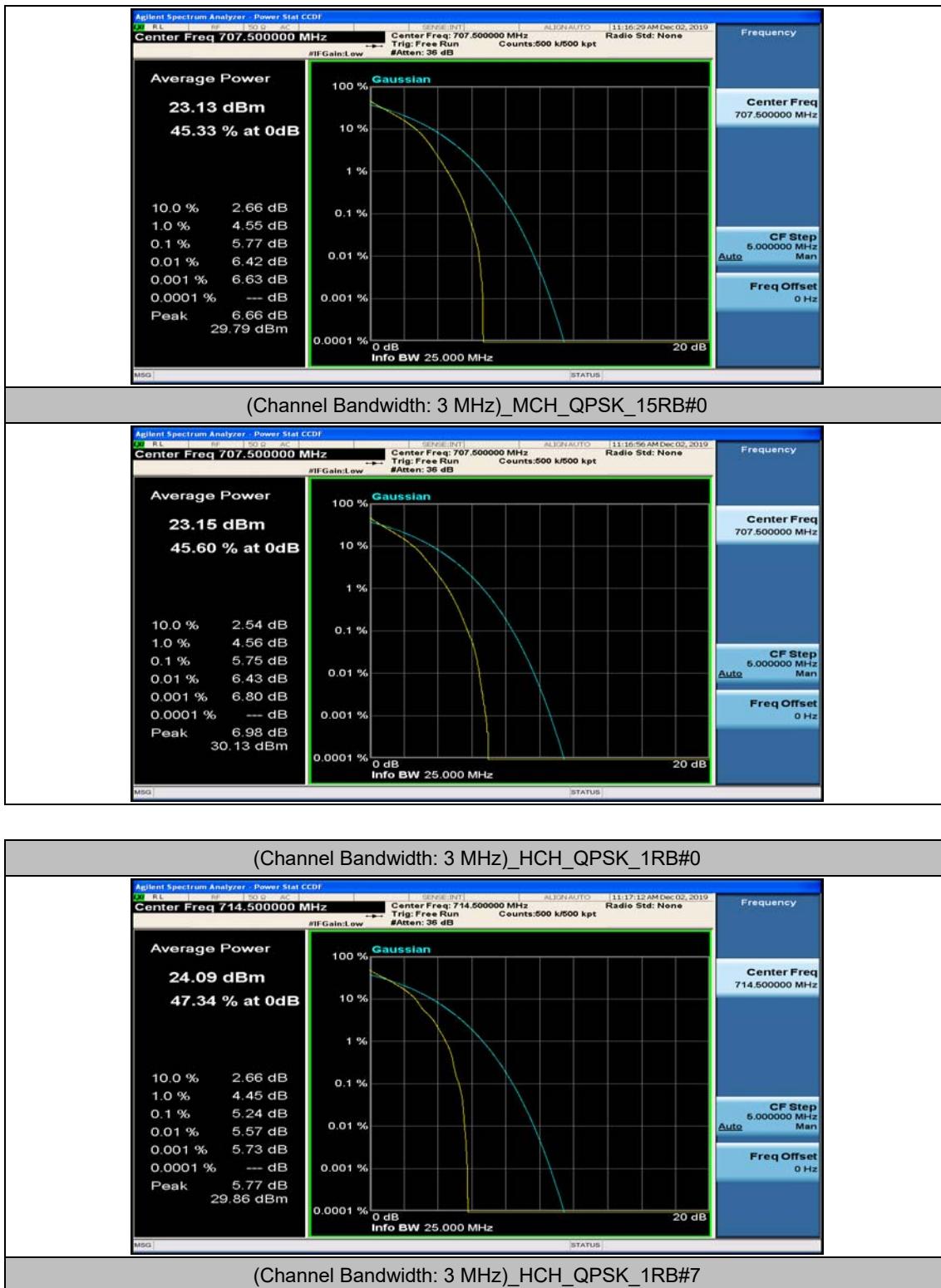


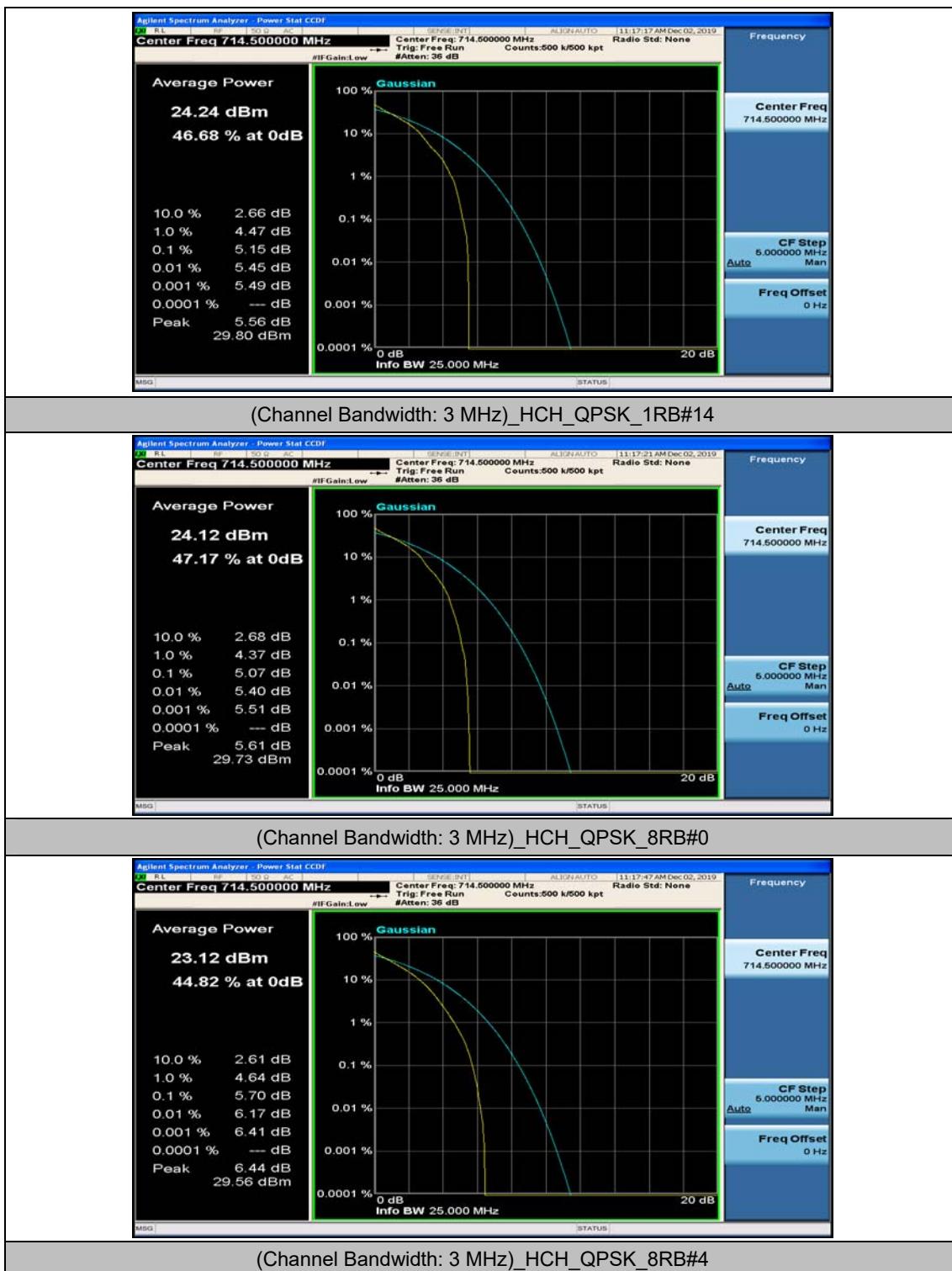


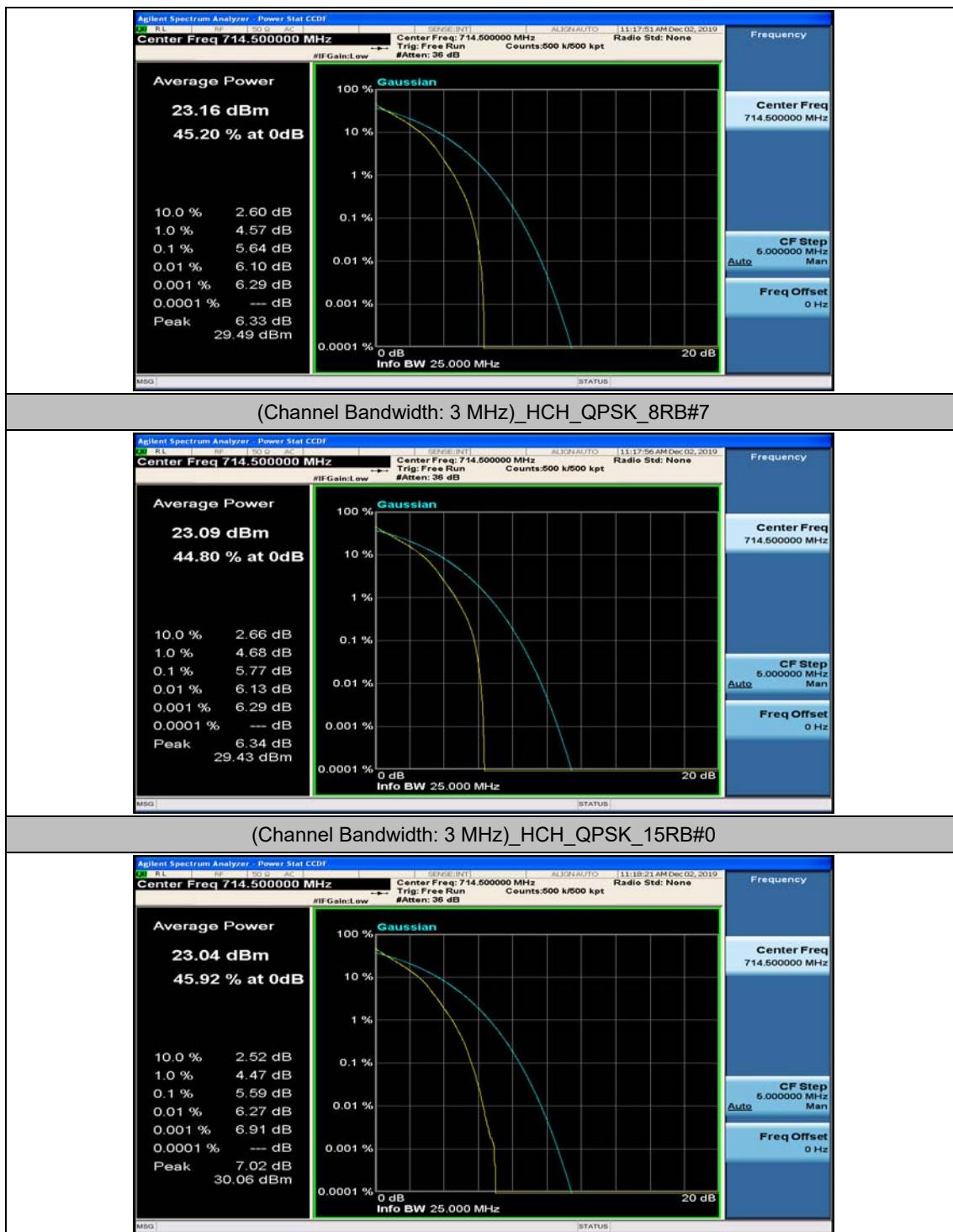


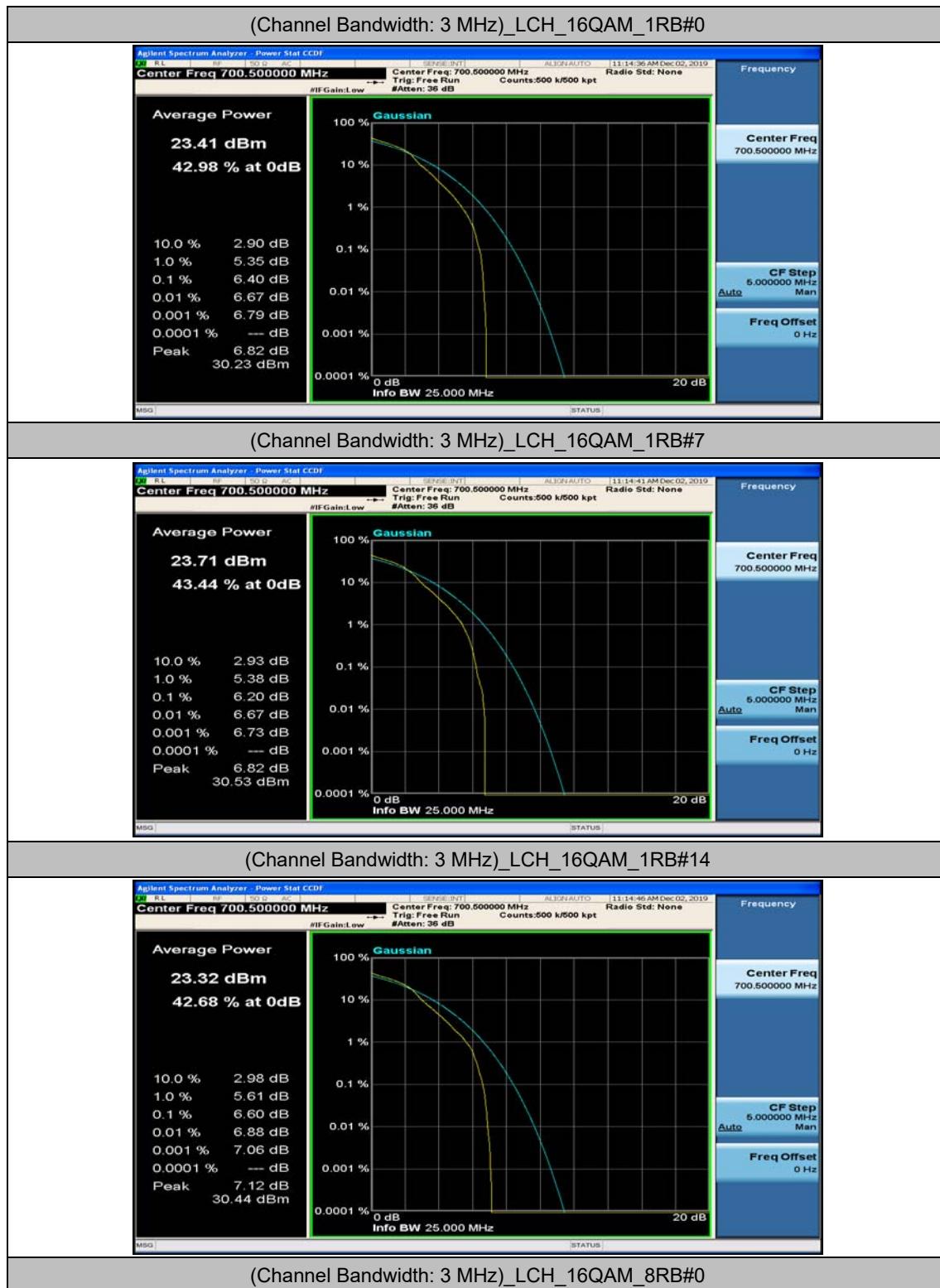
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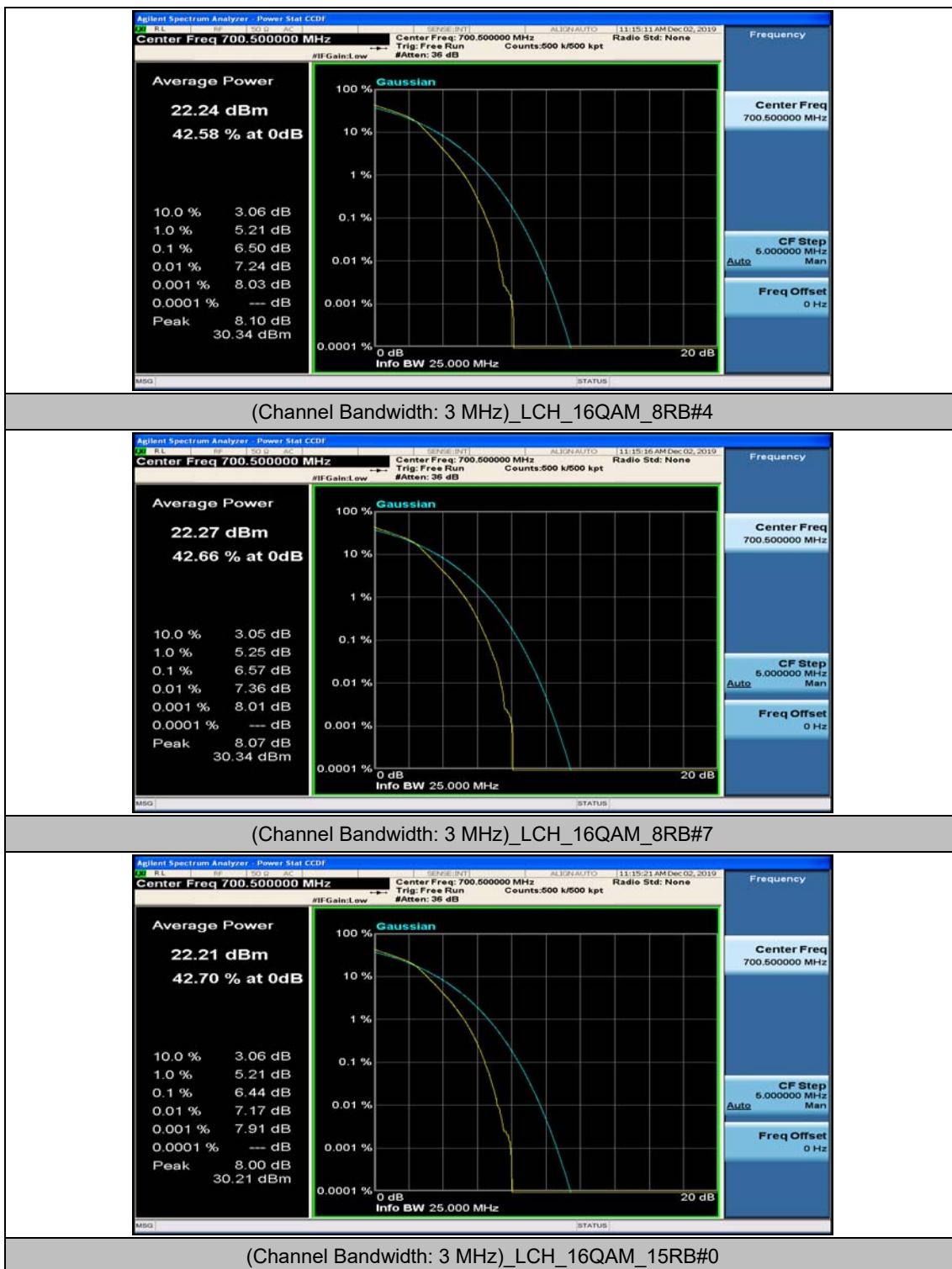


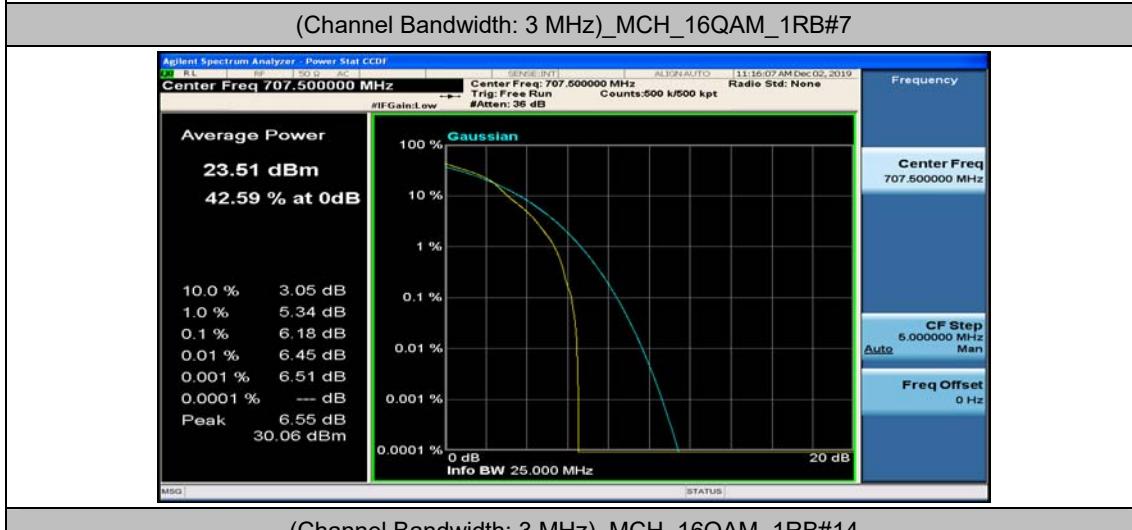
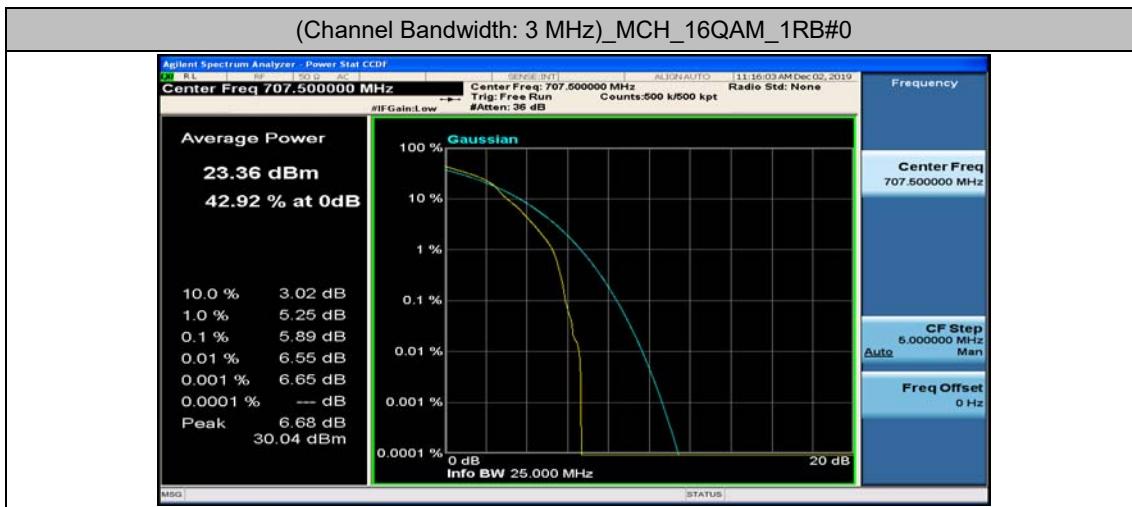




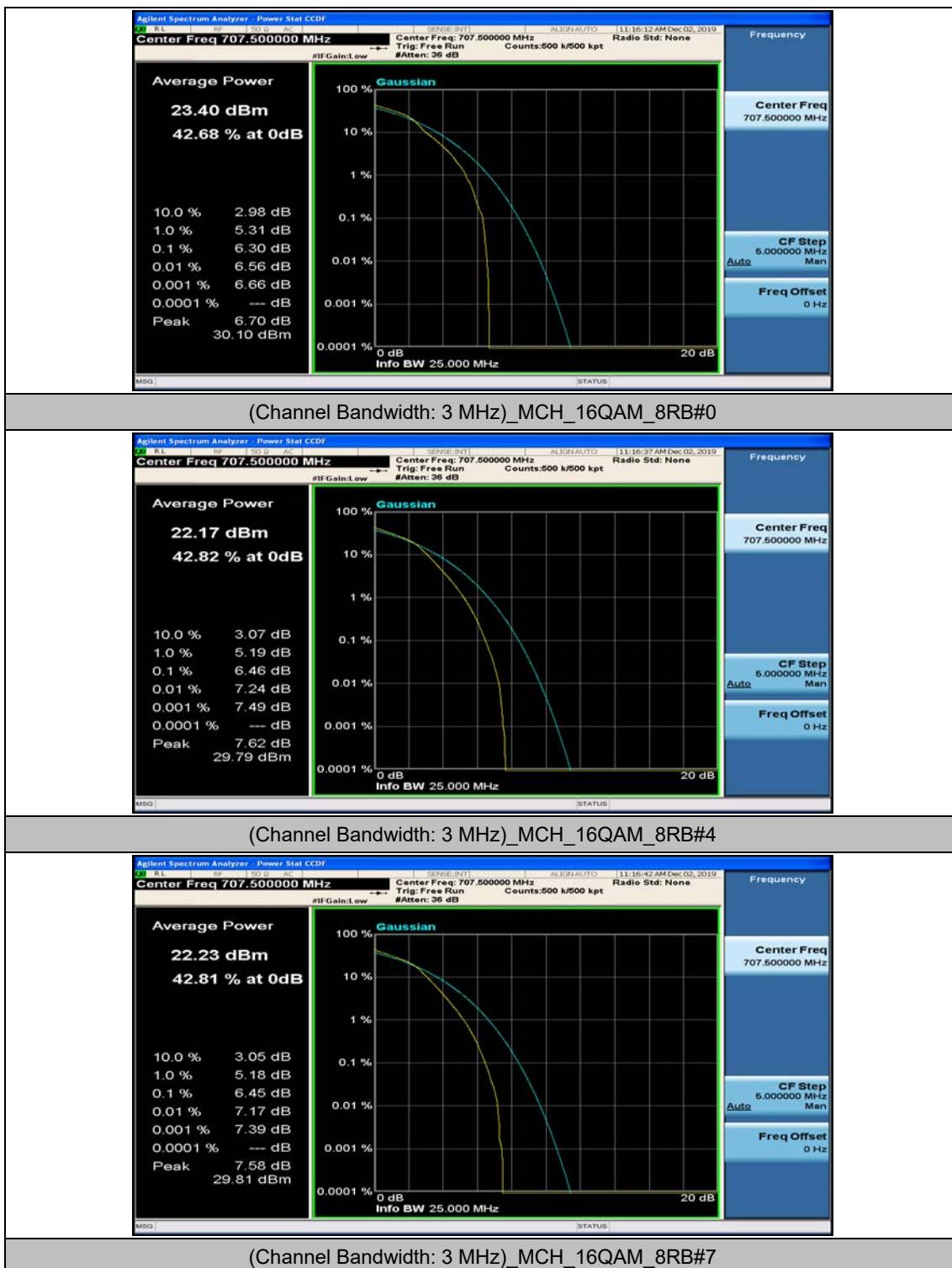


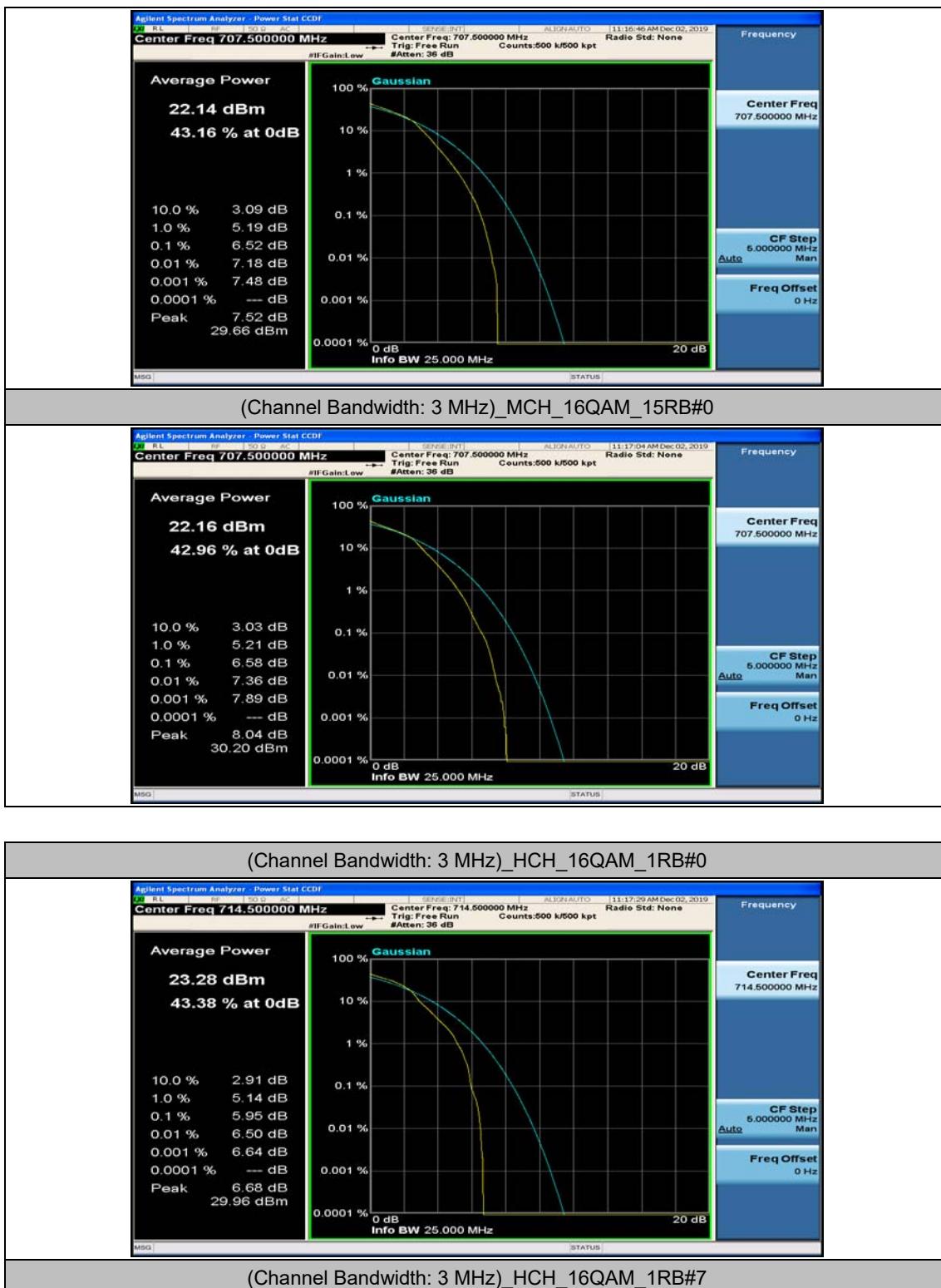


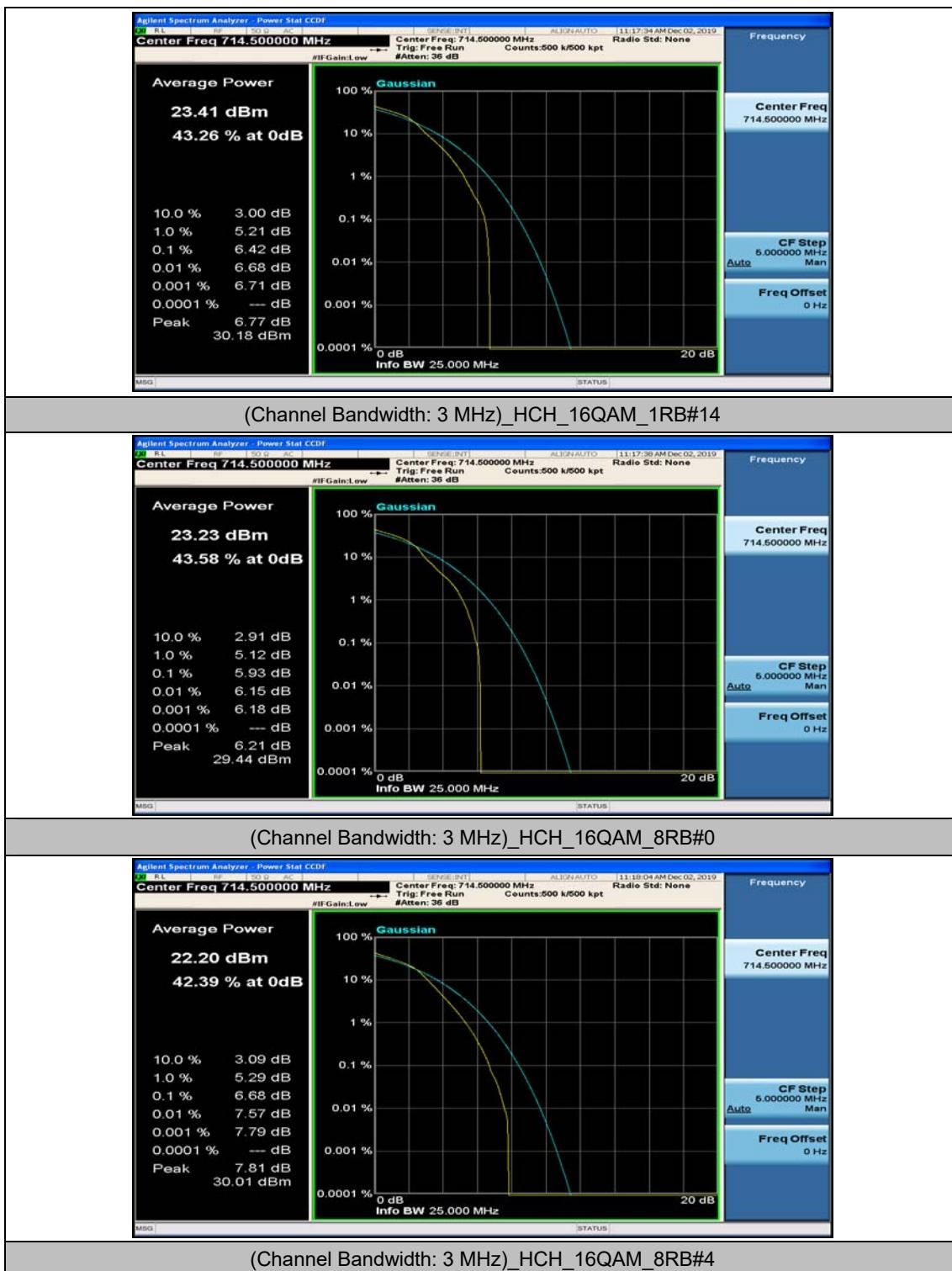


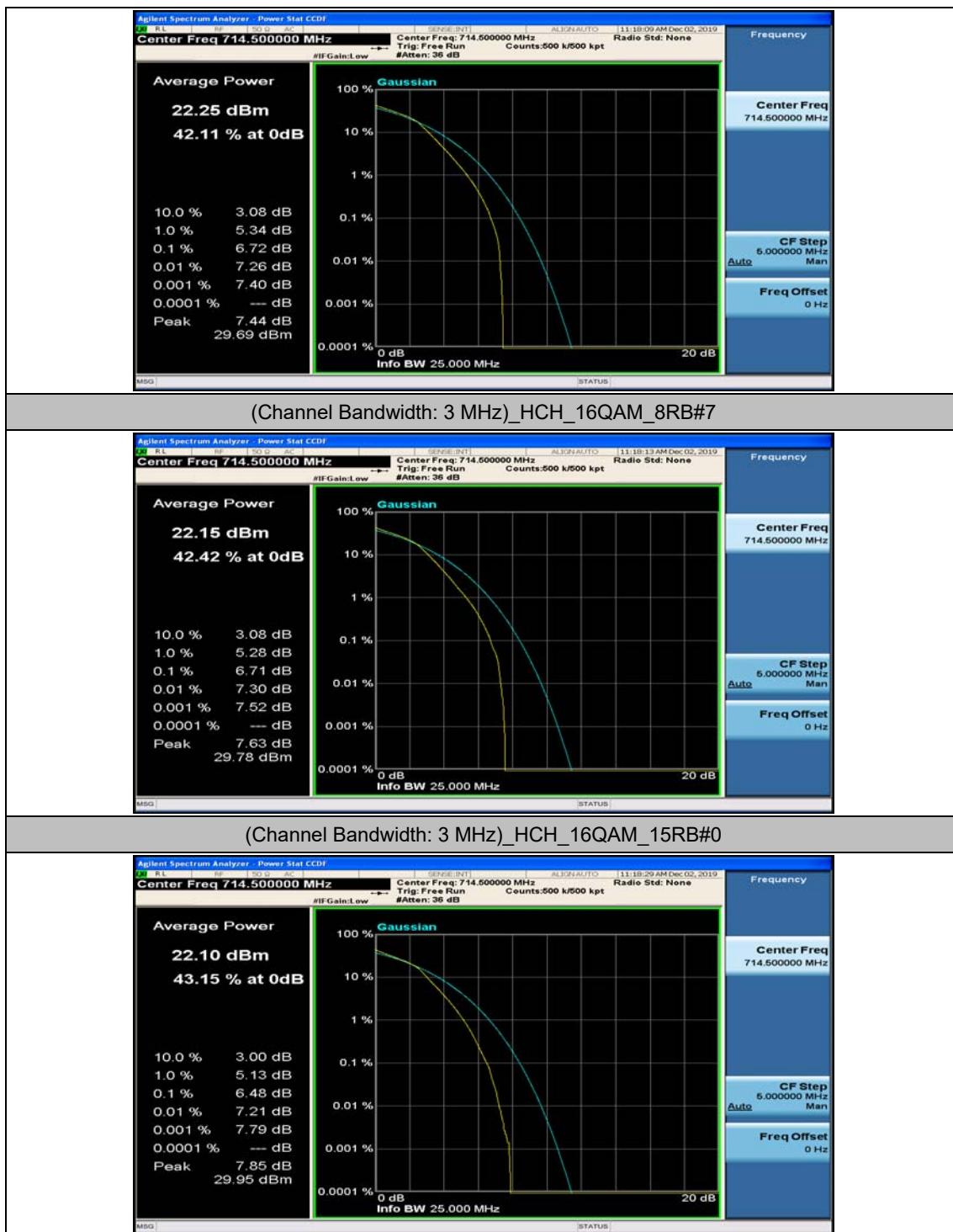


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

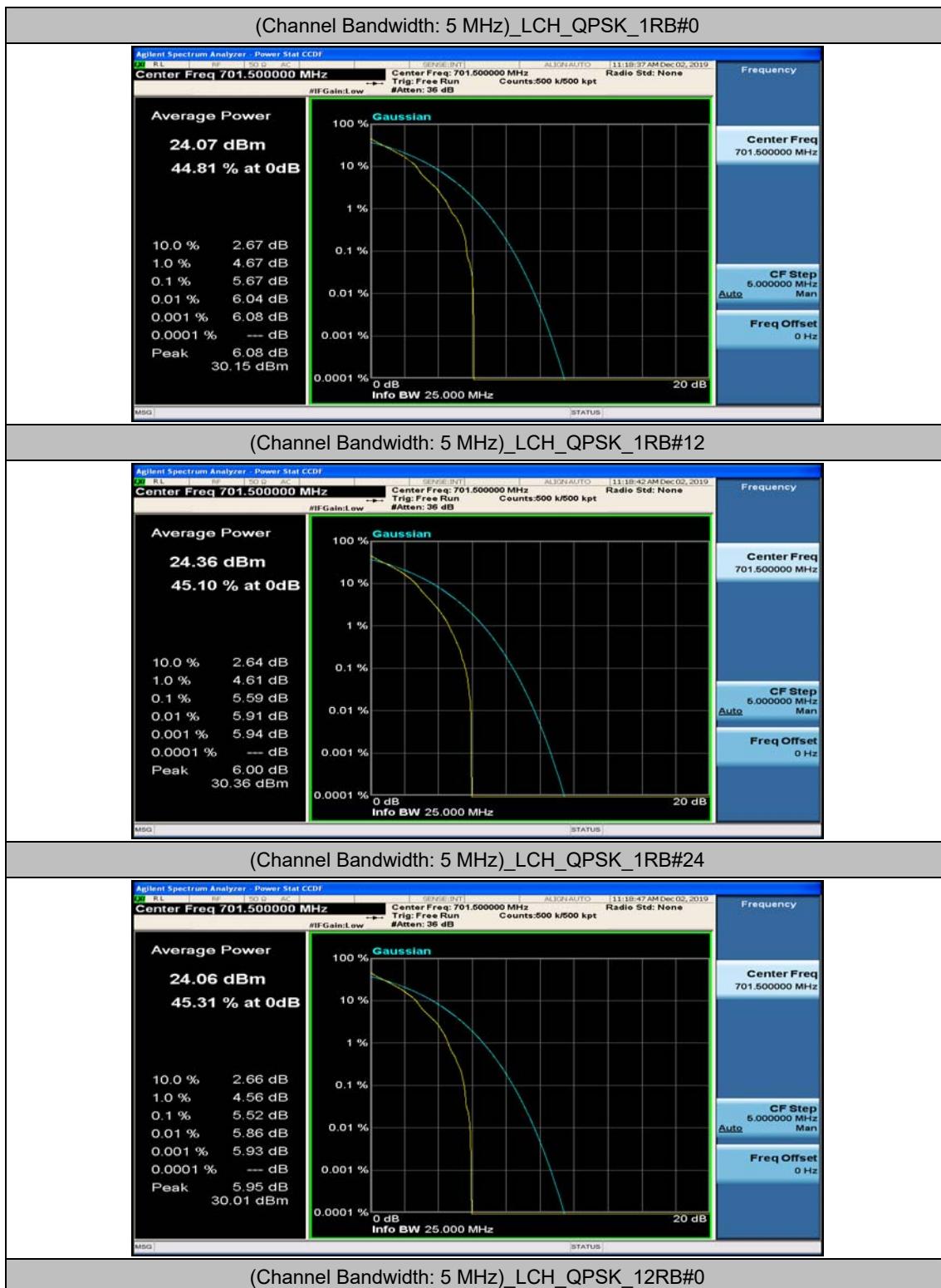


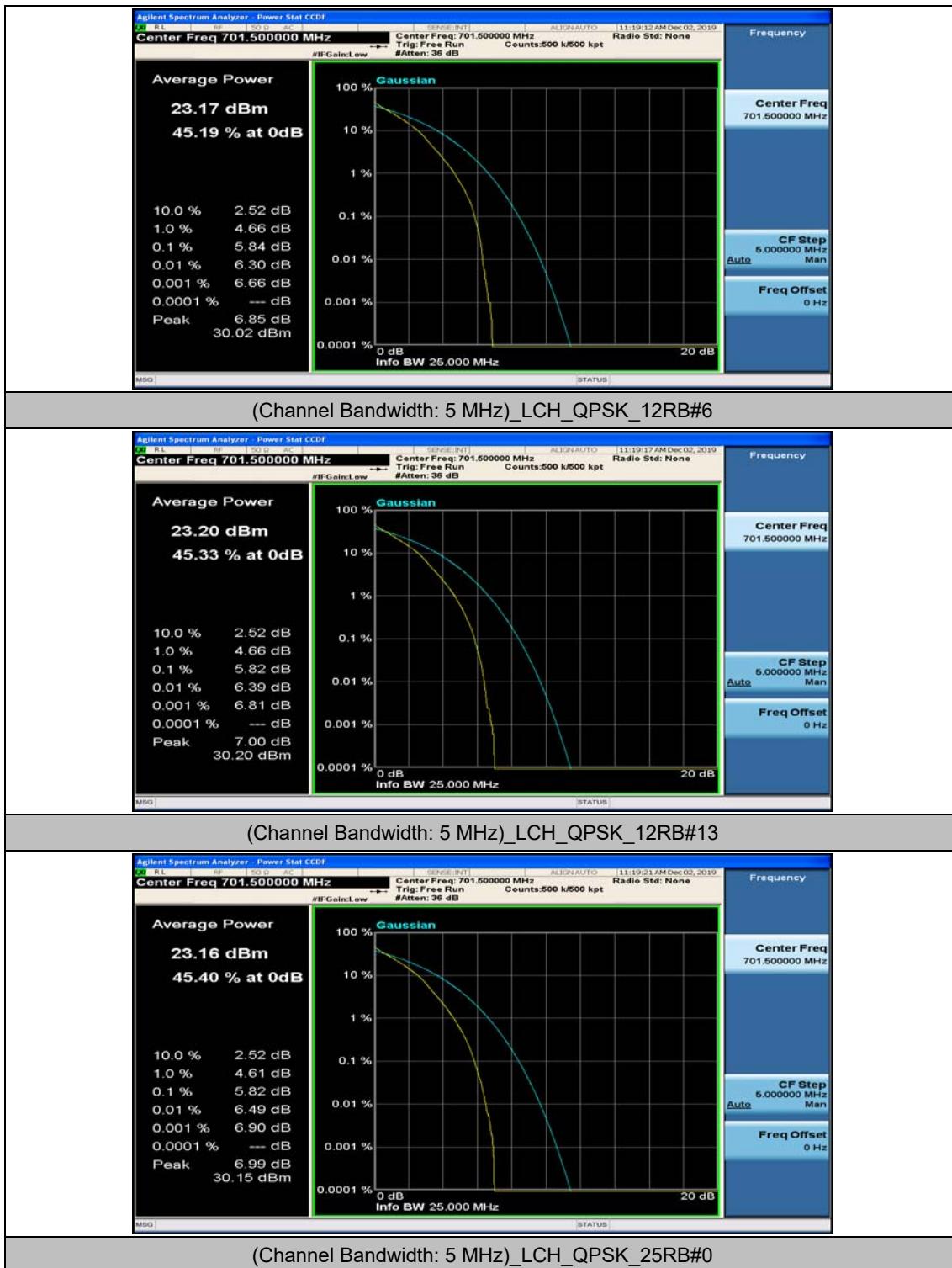


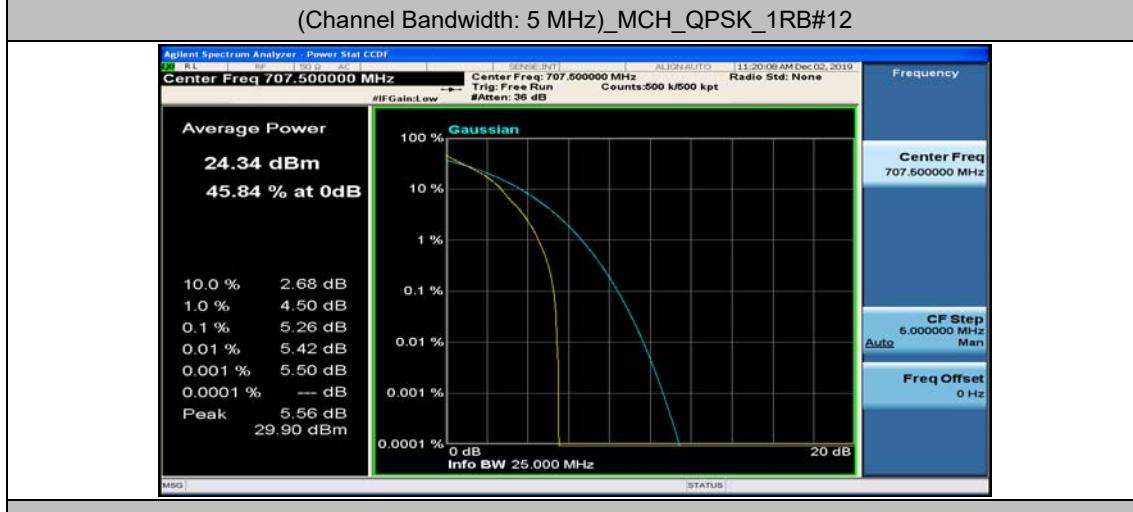
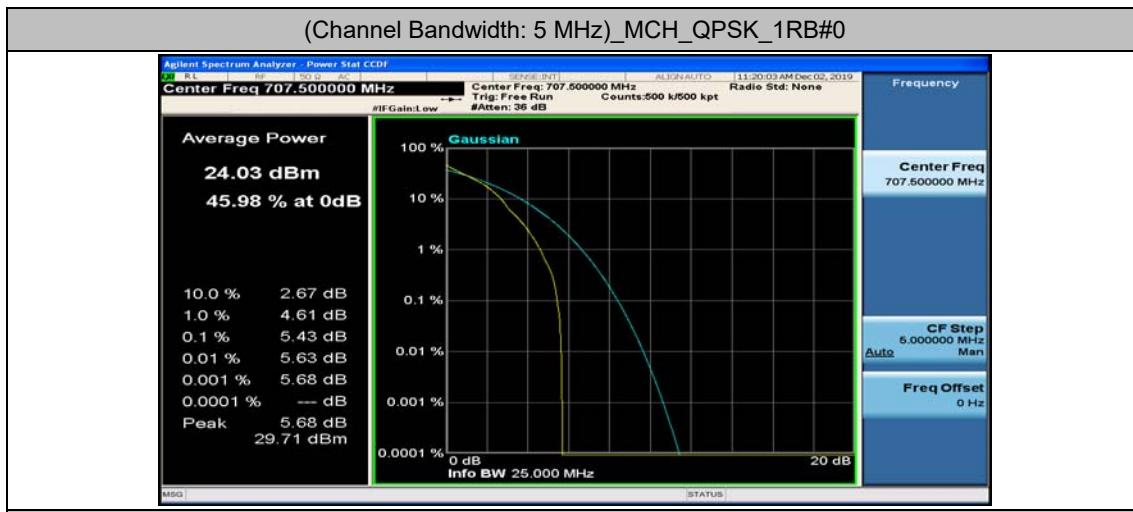
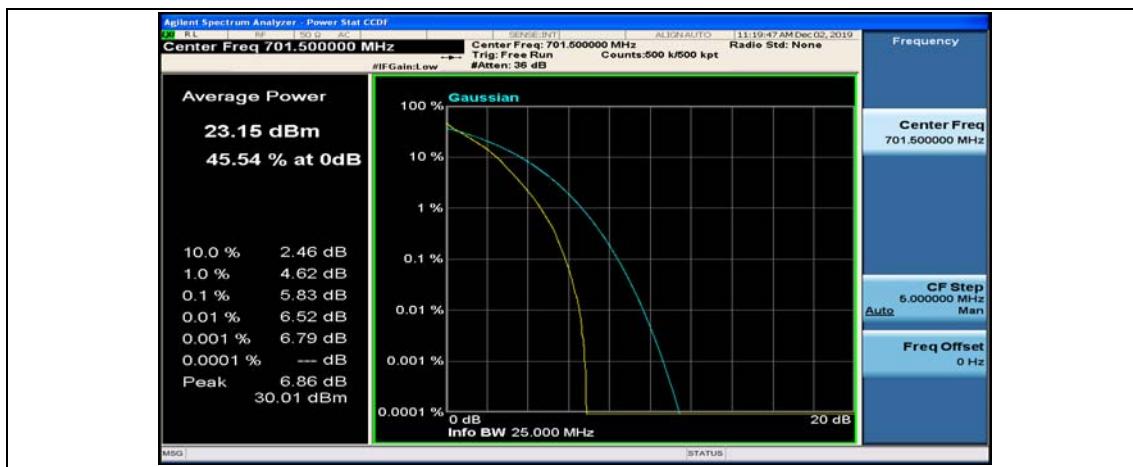




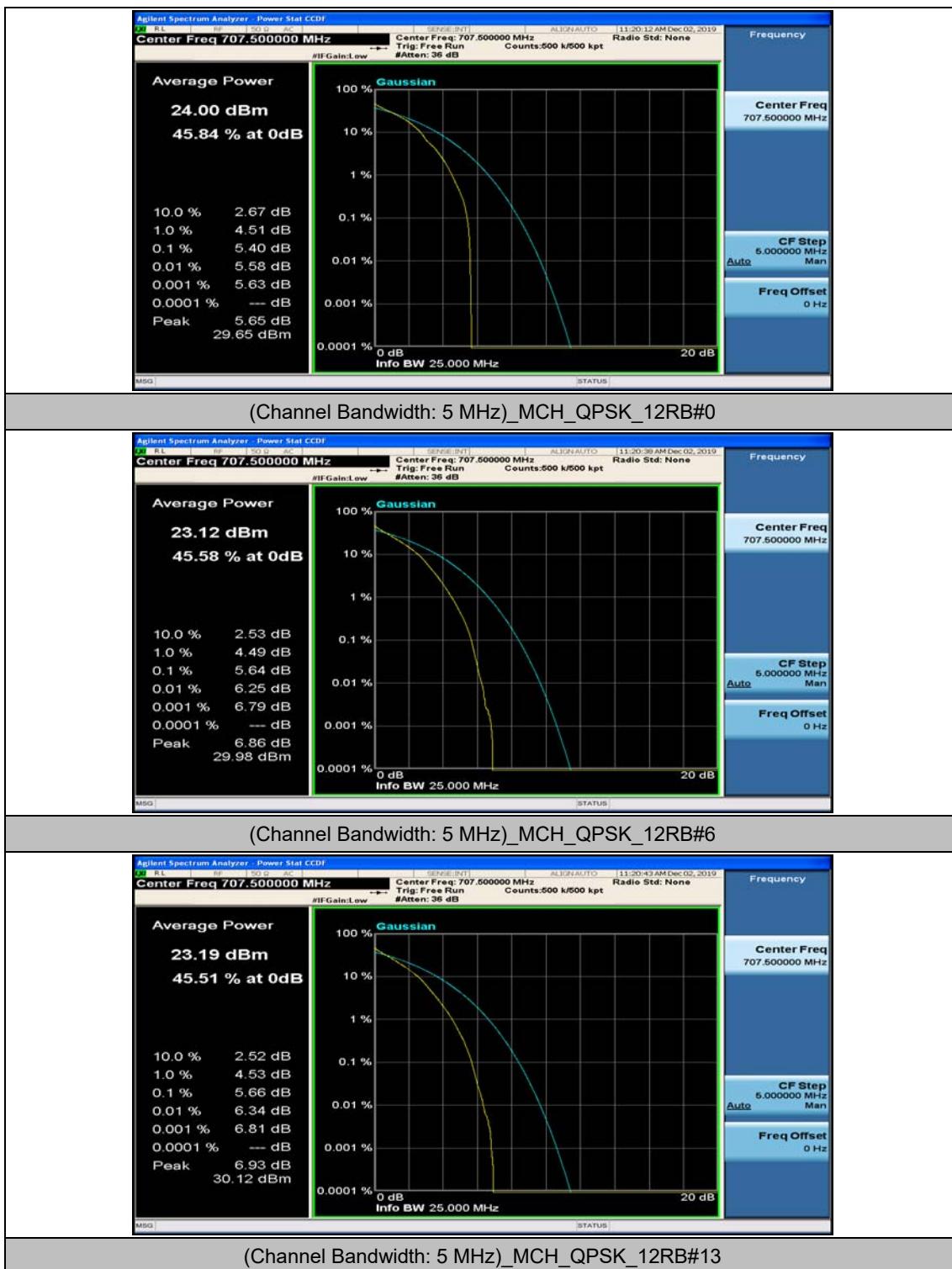
Channel Bandwidth: 5 MHz

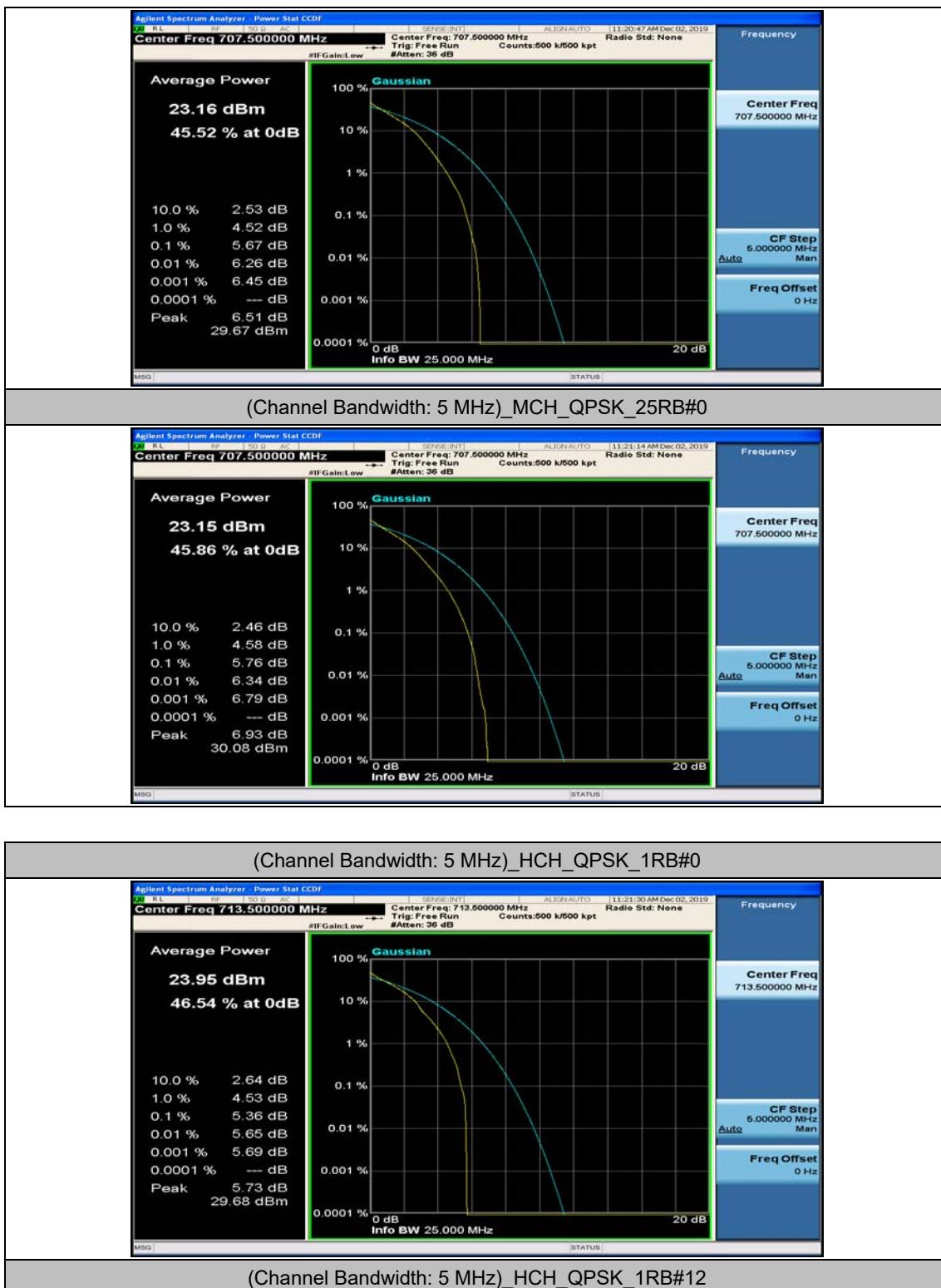


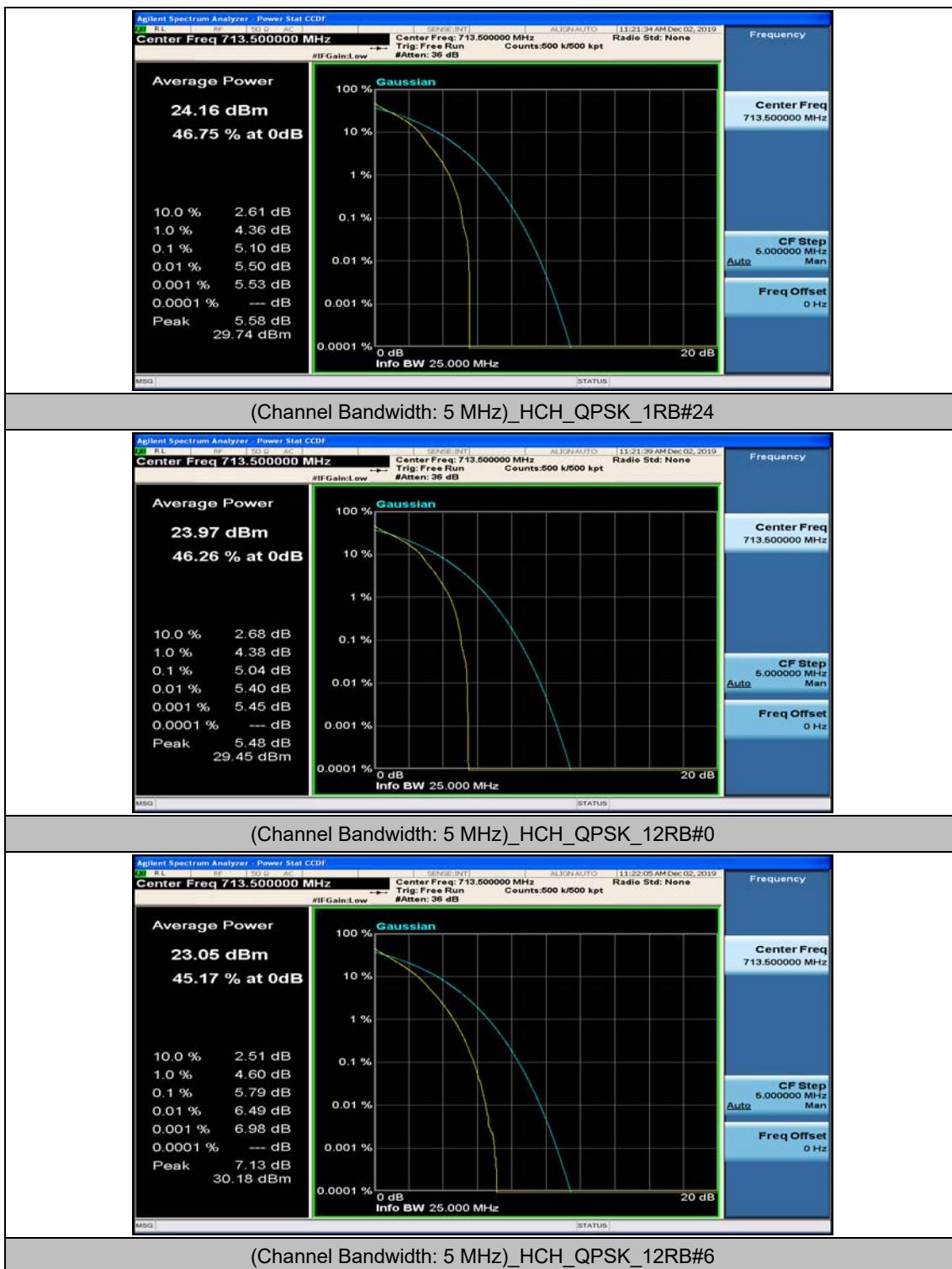


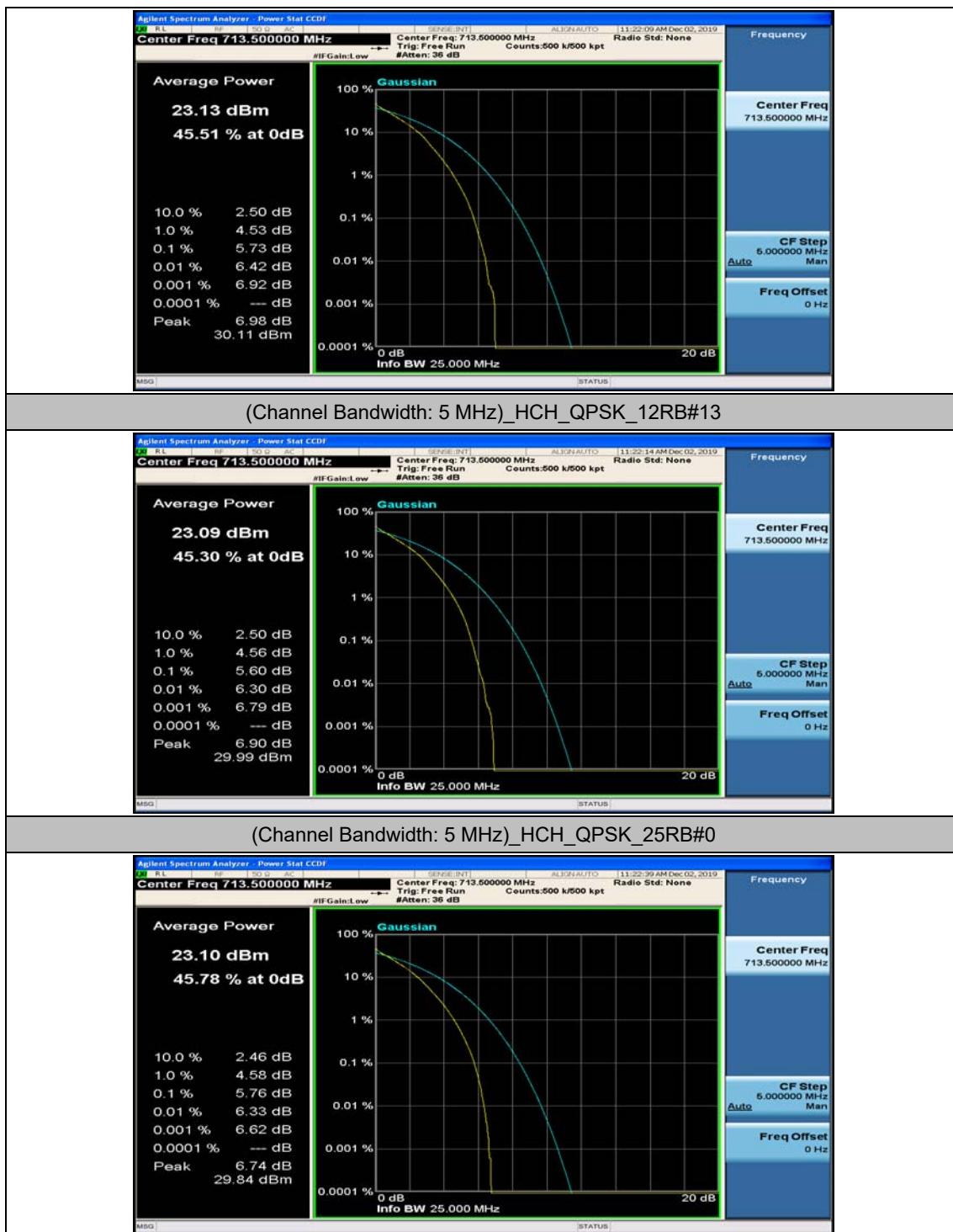


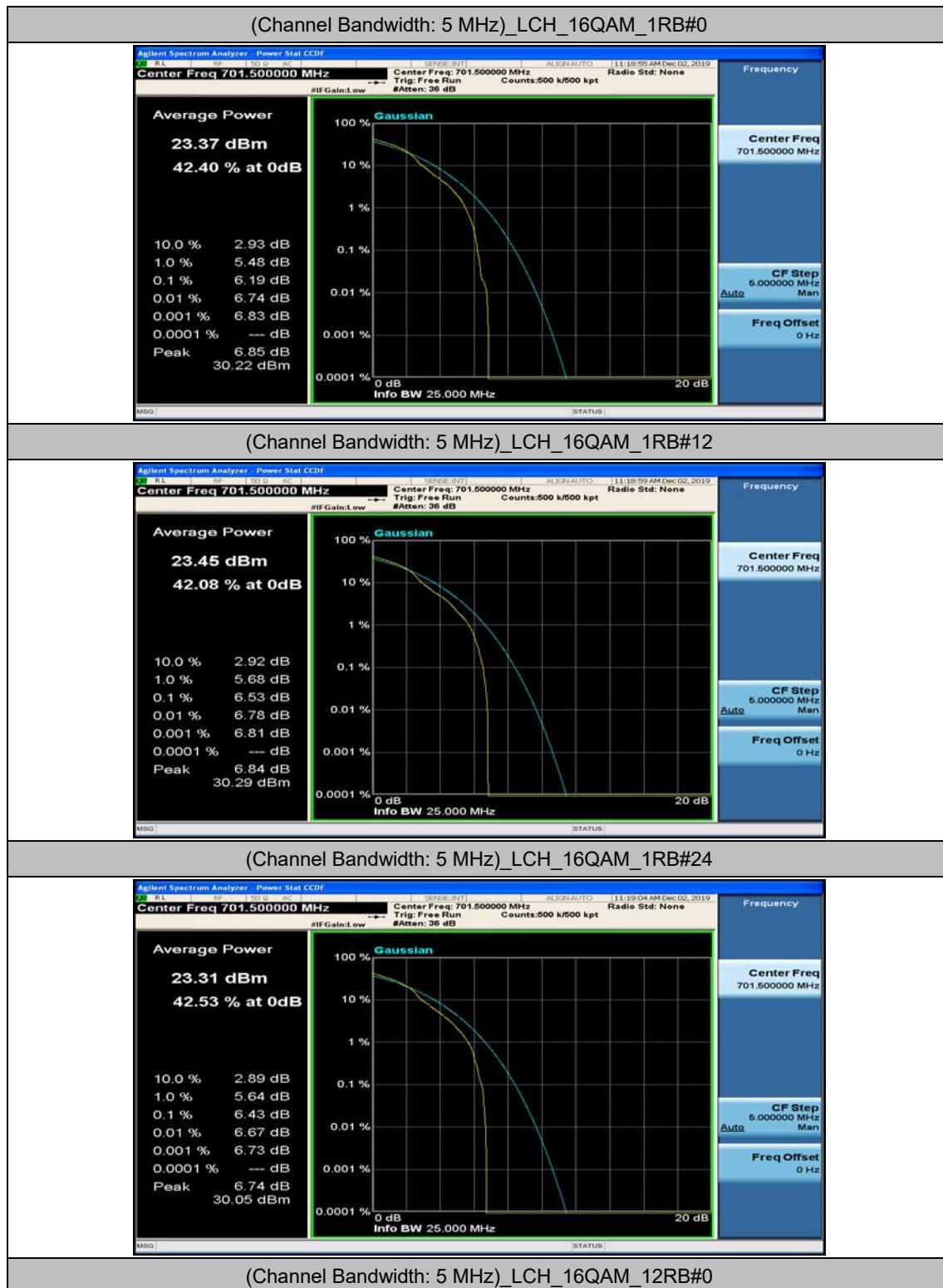
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

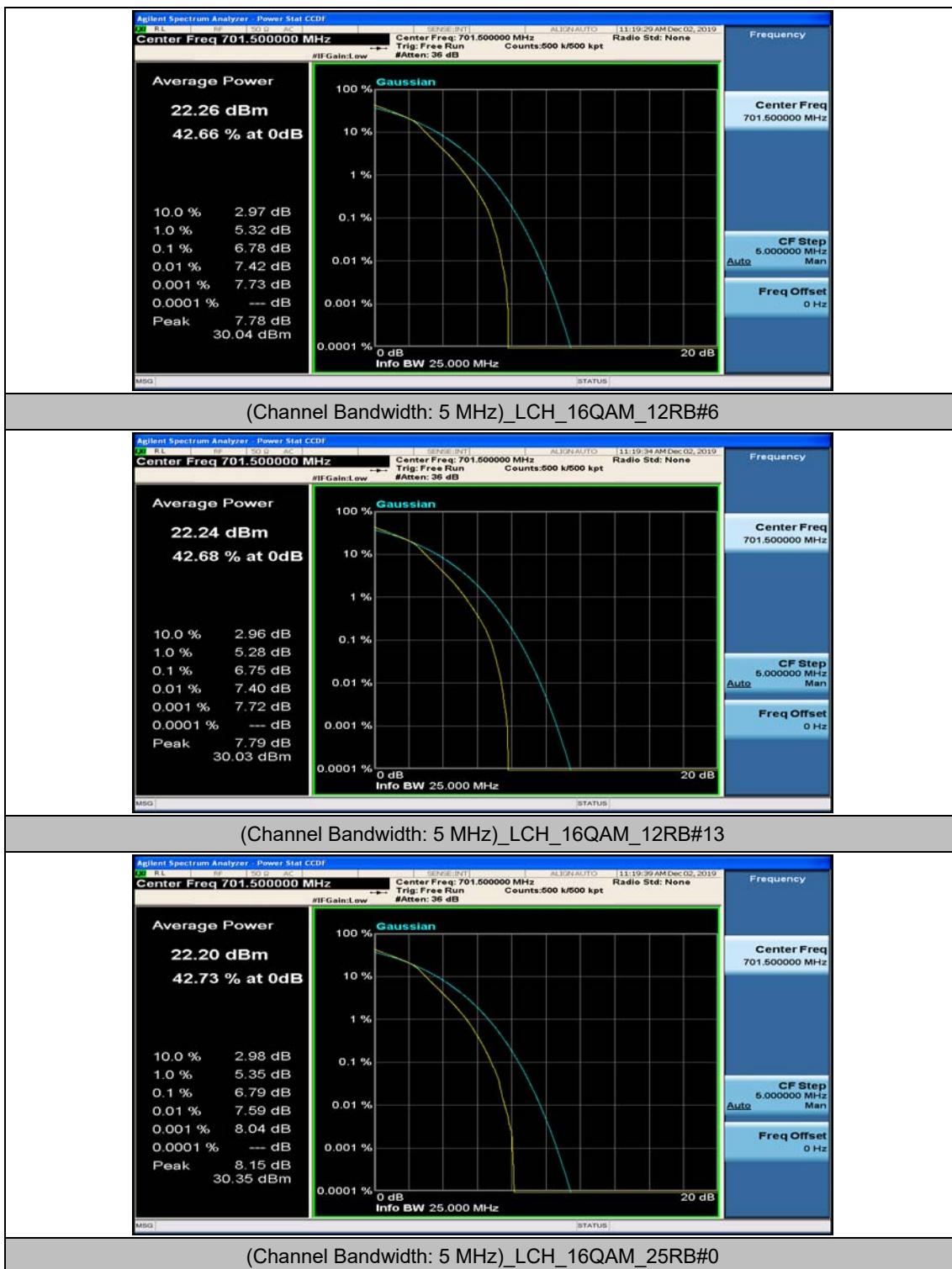


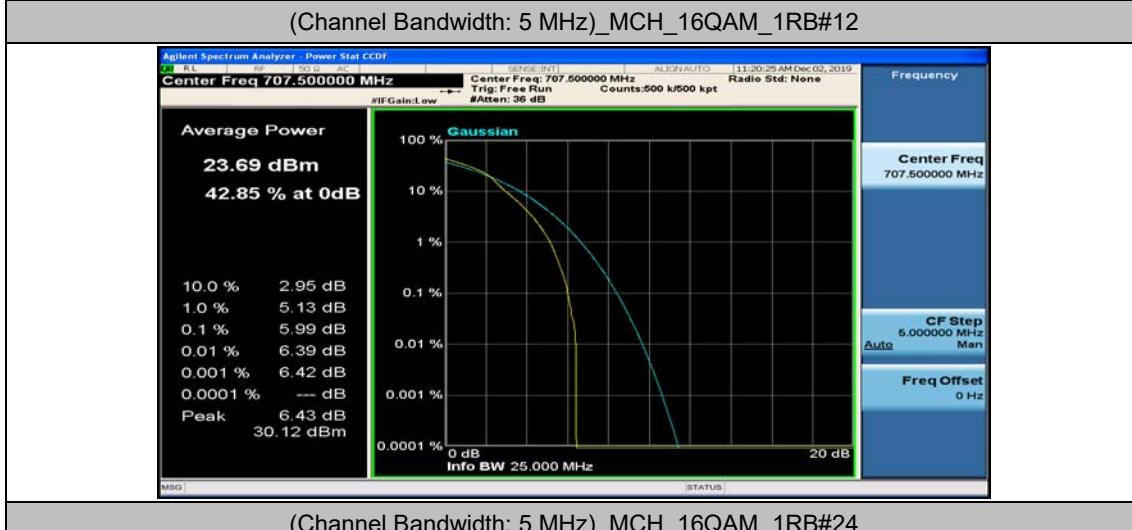
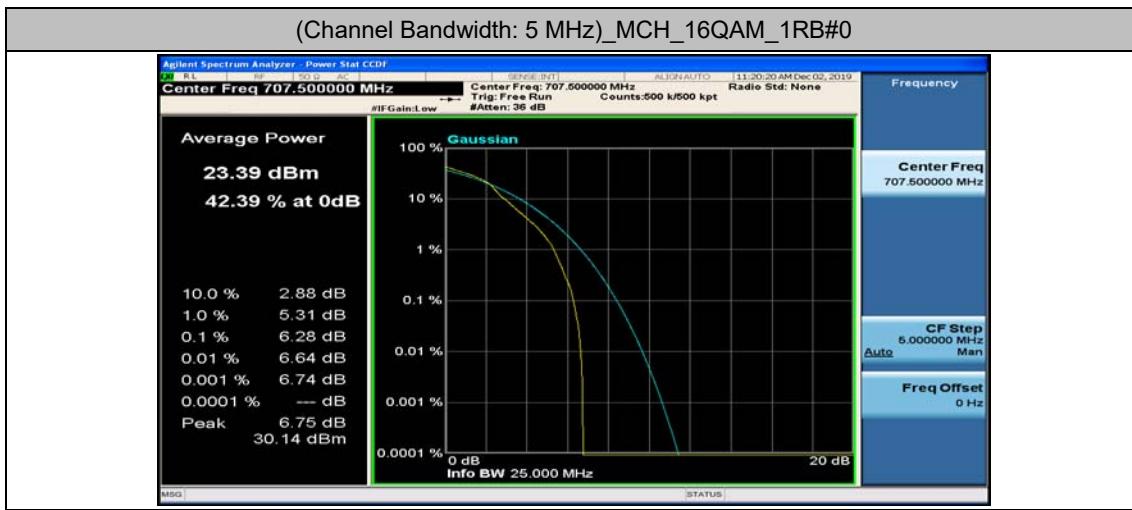
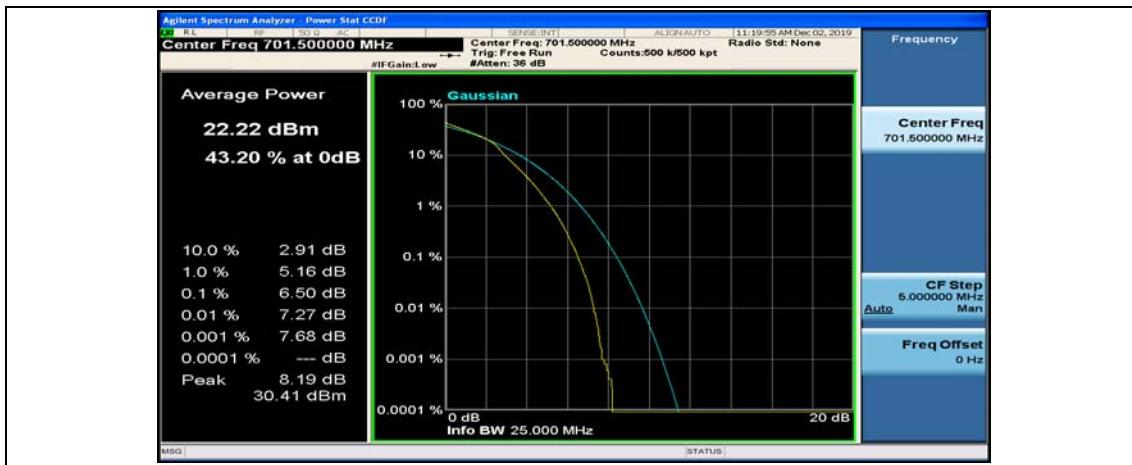




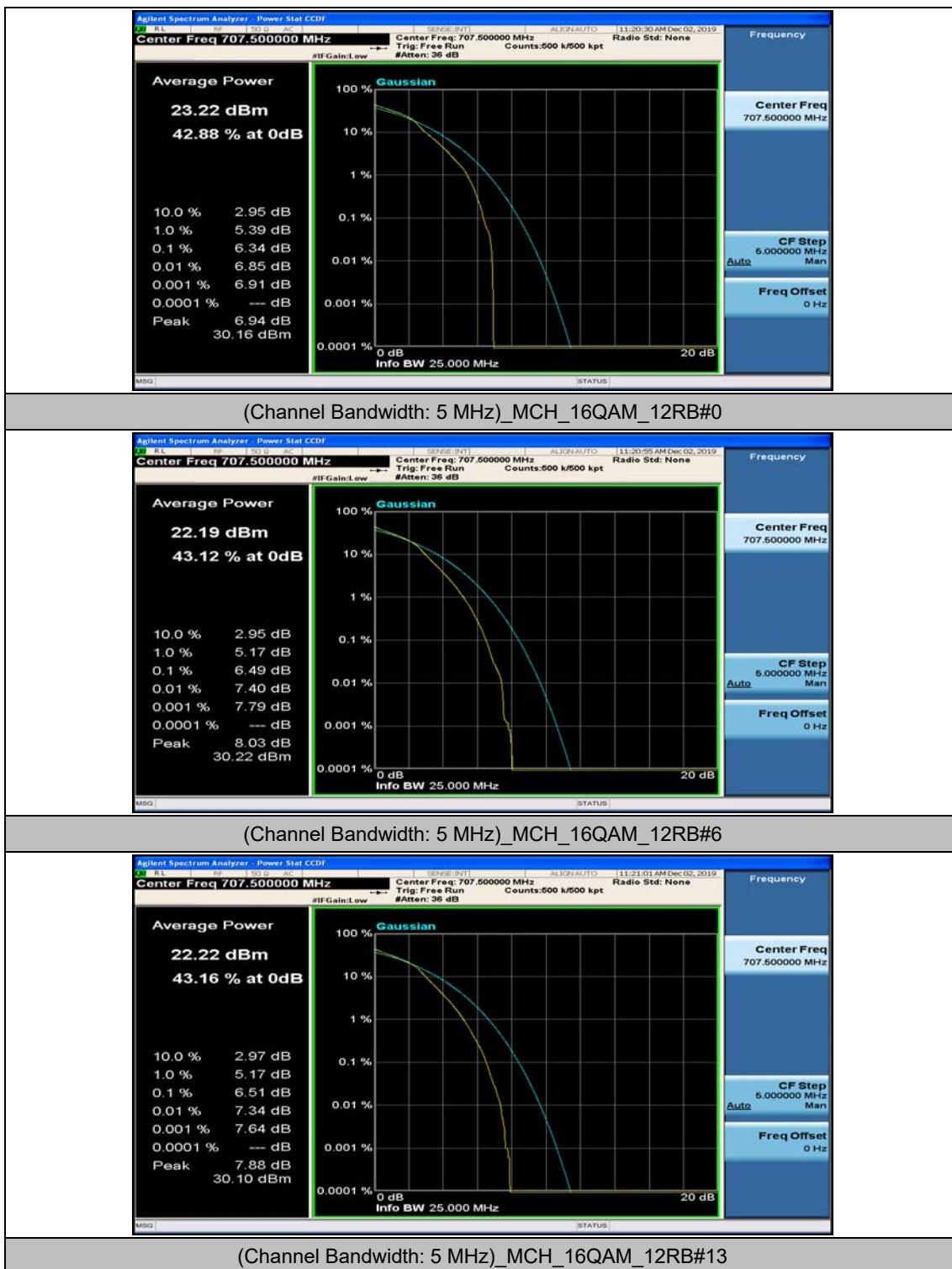


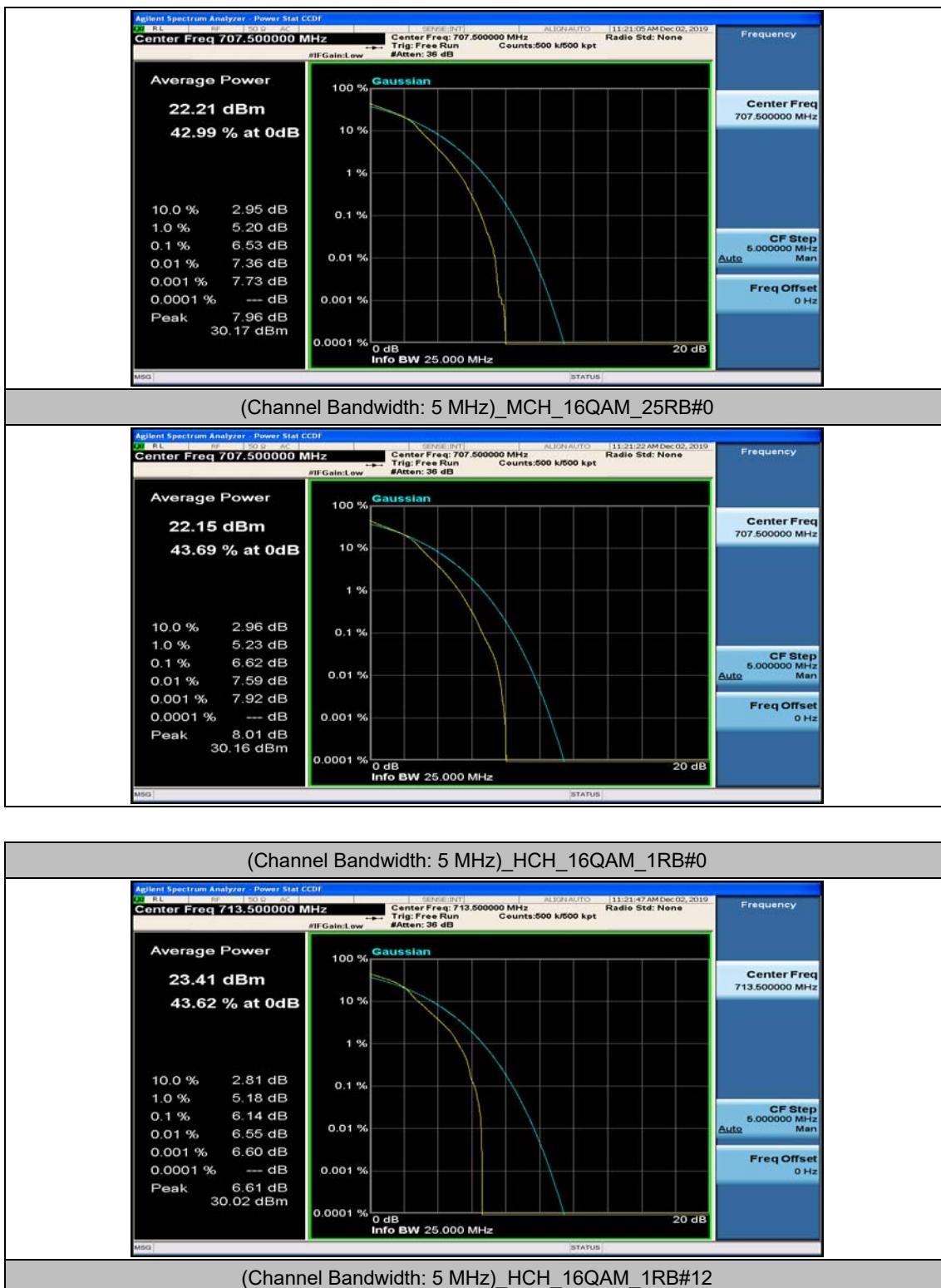


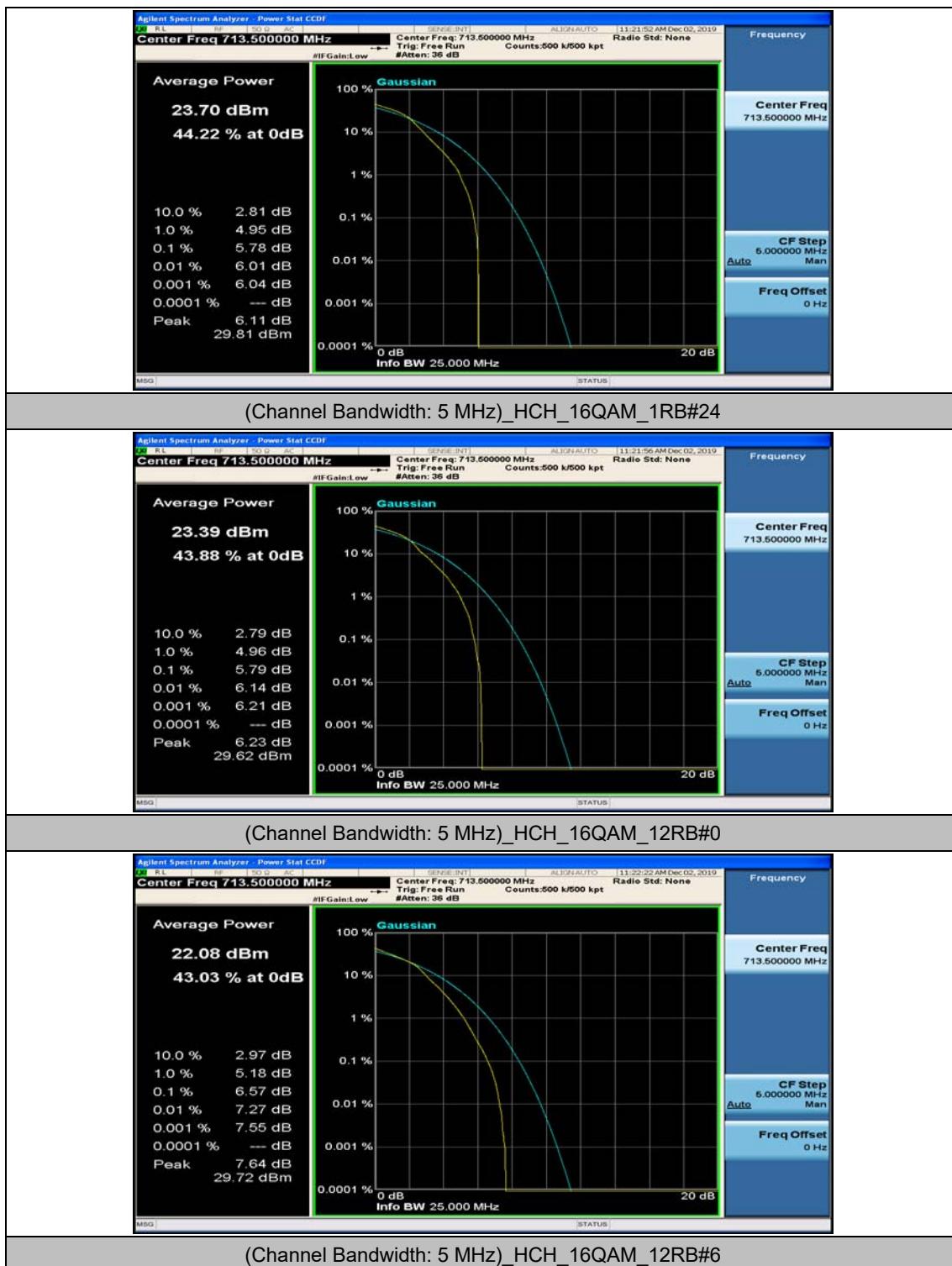


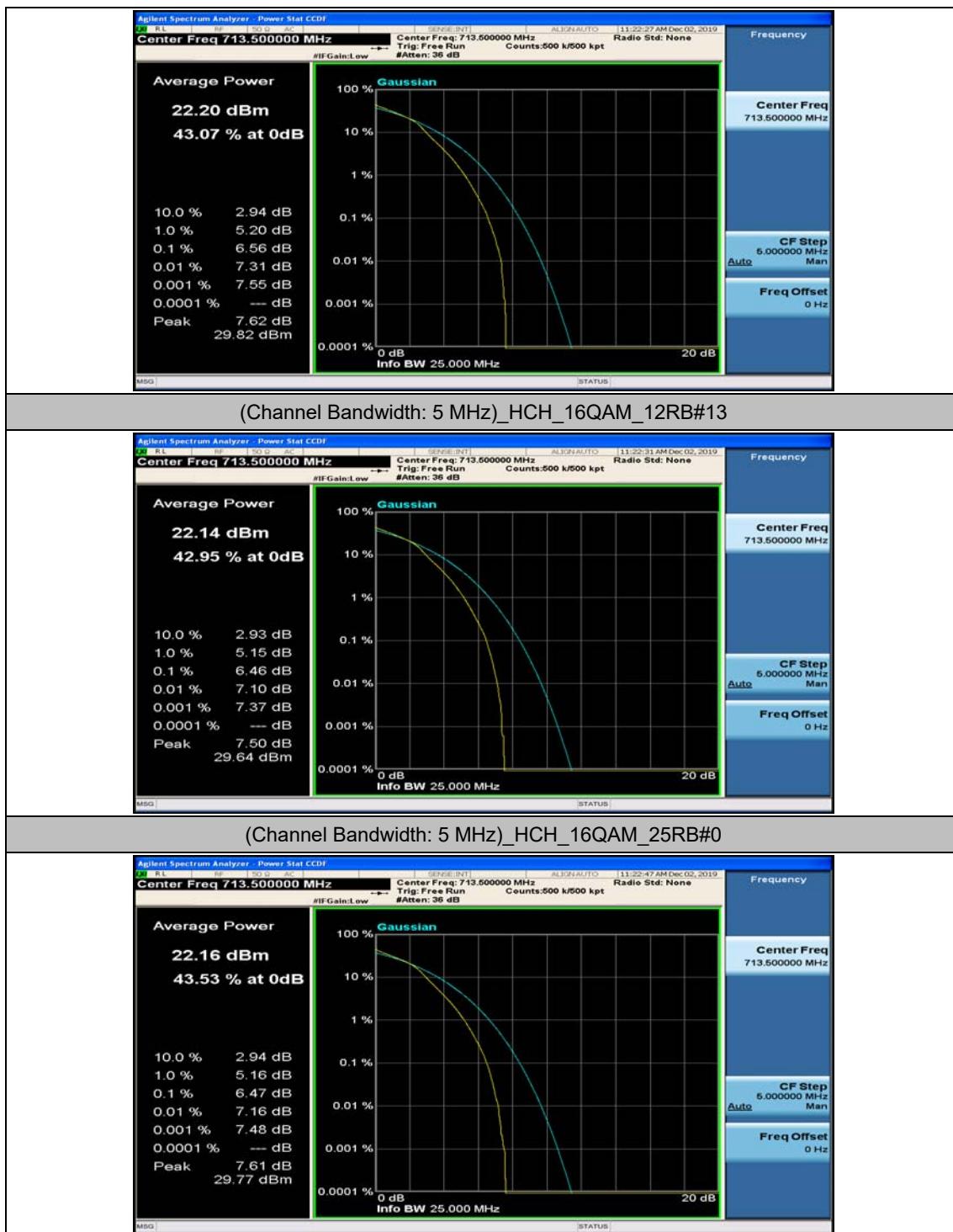


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

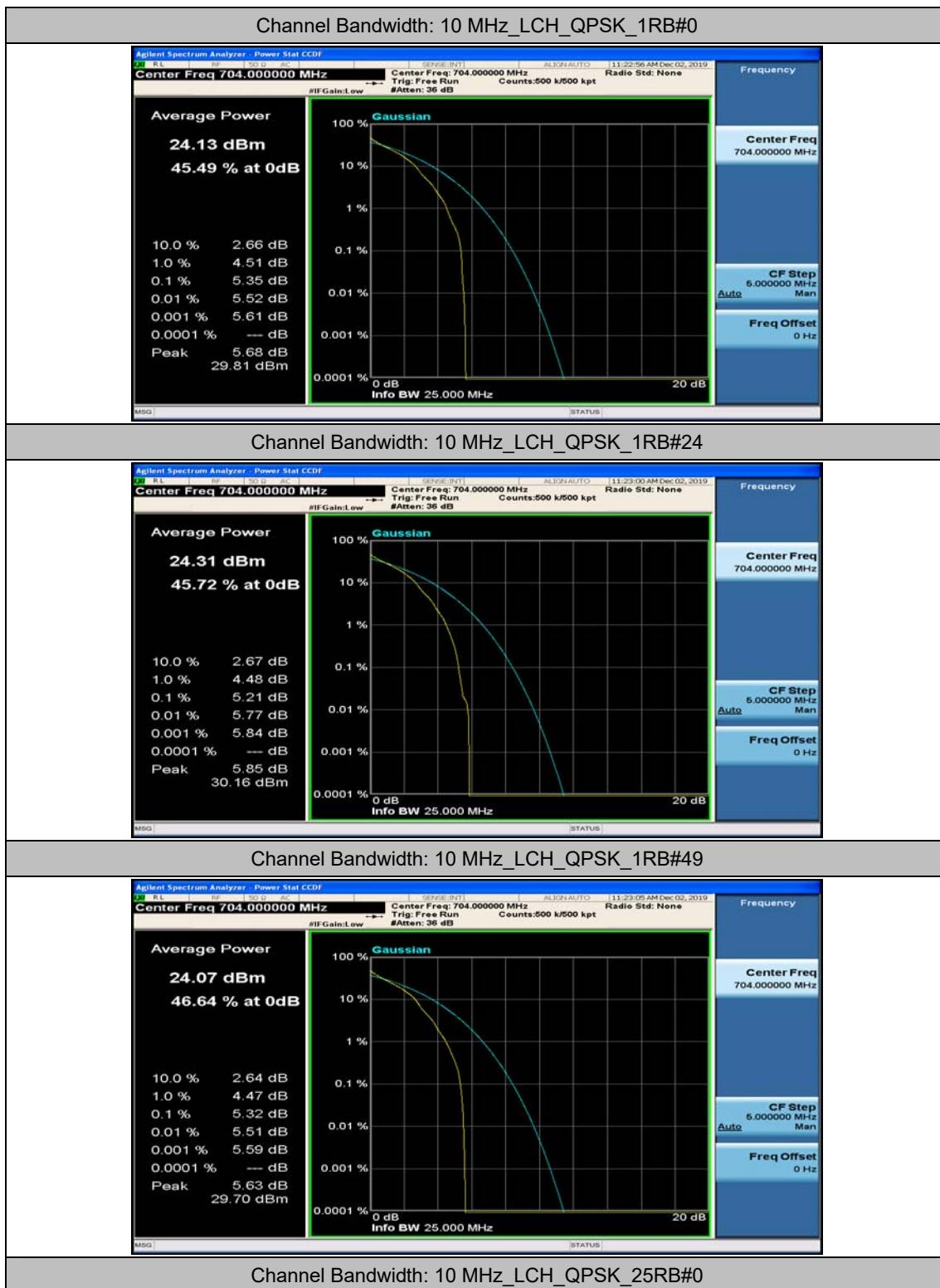


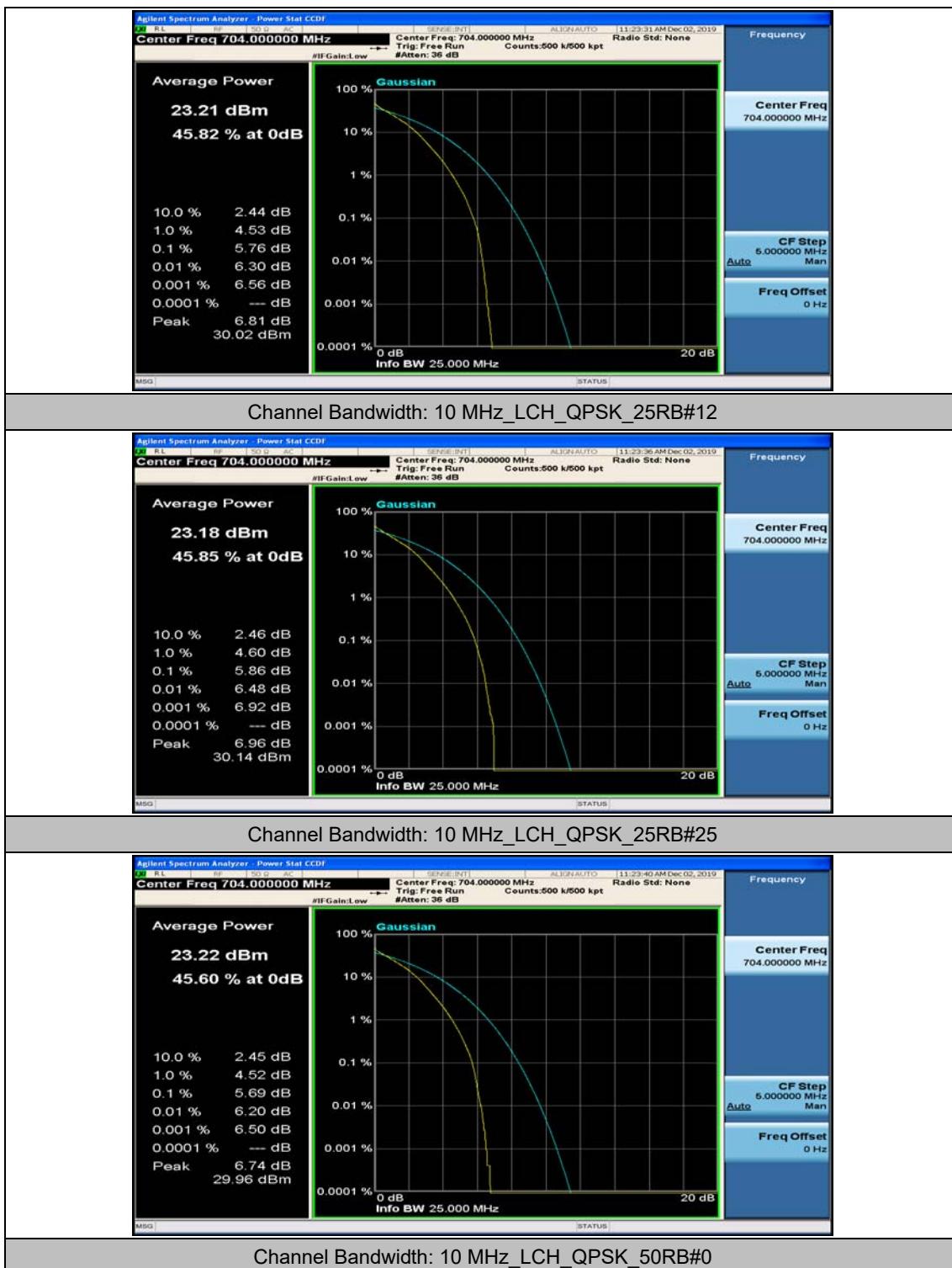


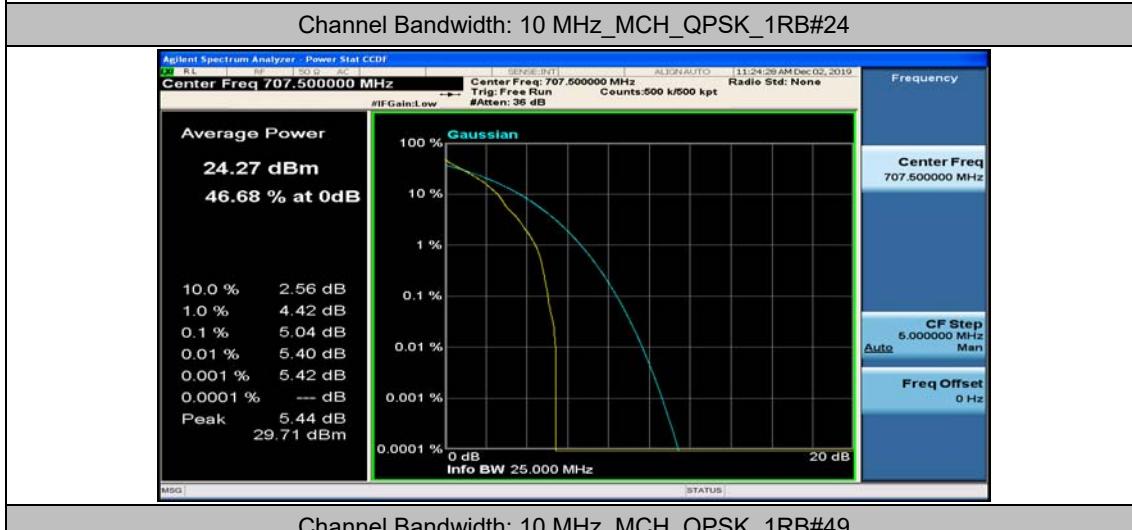
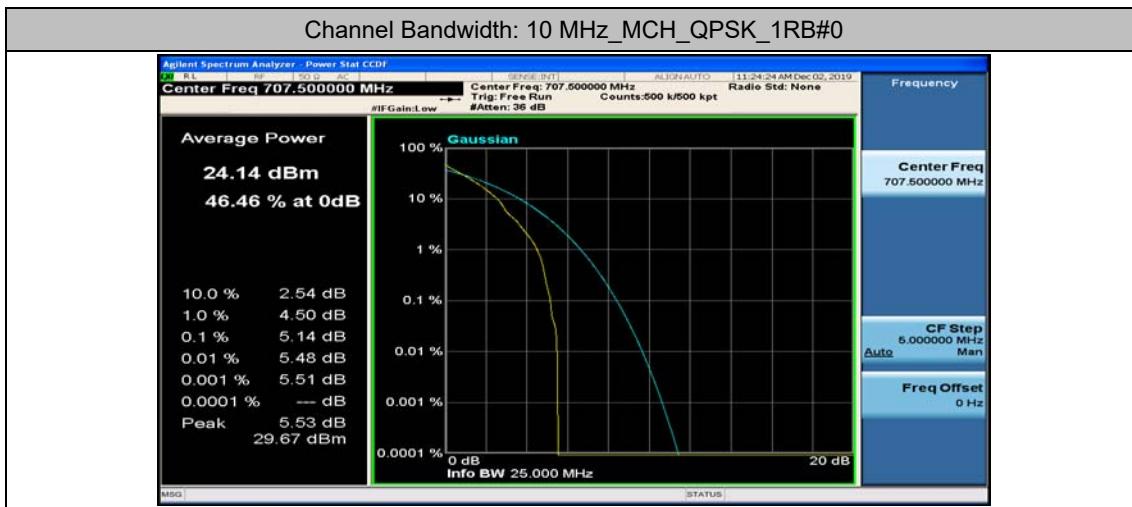
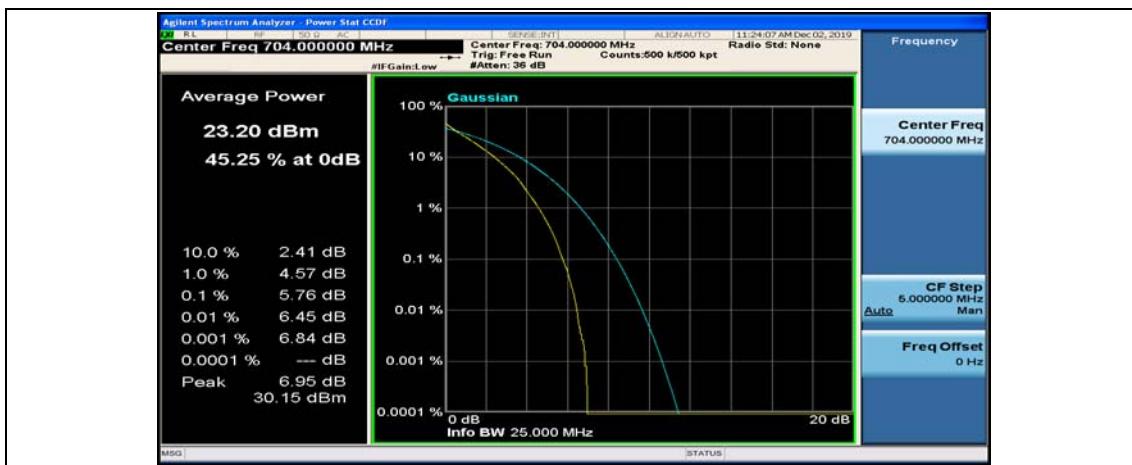




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49