

Appendix for Band 5

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	22.73	PASS
		1	3	22.70	PASS
		1	5	22.79	PASS
		3	0	22.47	PASS
		3	2	22.45	PASS
		3	3	22.47	PASS
		6	0	21.69	PASS
	MCH	1	0	22.66	PASS
		1	3	22.69	PASS
		1	5	22.72	PASS
		3	0	22.38	PASS
		3	2	22.34	PASS
		3	3	22.37	PASS
		6	0	21.85	PASS
16QAM	HCH	1	0	22.23	PASS
		1	3	22.07	PASS
		1	5	22.08	PASS
		3	0	22.06	PASS
		3	2	22.06	PASS
		3	3	22.17	PASS
		6	0	22.07	PASS
	LCH	1	0	22.23	PASS
		1	3	22.21	PASS
		1	5	22.24	PASS
		3	0	21.47	PASS
		3	2	21.45	PASS
		3	3	21.44	PASS
		6	0	20.43	PASS
	MCH	1	0	22.29	PASS
		1	3	22.24	PASS
		1	5	22.16	PASS
		3	0	22.13	PASS

		3	2	22.02	PASS
		3	3	22.12	PASS
		6	0	20.85	PASS
HCH	HCH	1	0	22.23	PASS
		1	3	22.19	PASS
		1	5	22.20	PASS
		3	0	21.98	PASS
		3	2	21.87	PASS
		3	3	21.93	PASS
		6	0	21.31	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.43	PASS
		1	7	22.44	PASS
		1	14	22.55	PASS
		8	0	21.47	PASS
		8	4	21.65	PASS
		8	7	21.48	PASS
		15	0	21.66	PASS
	MCH	1	0	22.75	PASS
		1	7	22.81	PASS
		1	14	22.84	PASS
		8	0	21.60	PASS
		8	4	21.88	PASS
		8	7	21.91	PASS
		15	0	21.92	PASS
16QAM	HCH	1	0	23.14	PASS
		1	7	23.26	PASS
		1	14	23.13	PASS
		8	0	22.10	PASS
		8	4	22.00	PASS
		8	7	22.04	PASS
		15	0	22.08	PASS
	LCH	1	0	22.42	PASS
		1	7	22.45	PASS
		1	14	22.38	PASS
		8	0	20.55	PASS
		8	4	20.55	PASS
		8	7	20.44	PASS
		15	0	20.56	PASS

	MCH	1	0	22.41	PASS
		1	7	22.45	PASS
		1	14	22.49	PASS
		8	0	20.95	PASS
		8	4	20.85	PASS
		8	7	20.94	PASS
		15	0	20.88	PASS
	HCH	1	0	21.58	PASS
		1	7	21.73	PASS
		1	14	21.65	PASS
		8	0	21.33	PASS
		8	4	21.30	PASS
		8	7	21.20	PASS
		15	0	21.19	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.60	PASS
		1	12	22.73	PASS
		1	24	22.56	PASS
		12	0	21.67	PASS
		12	6	21.37	PASS
		12	13	21.47	PASS
		25	0	21.46	PASS
	MCH	1	0	22.68	PASS
		1	12	22.70	PASS
		1	24	22.72	PASS
		12	0	21.64	PASS
		12	6	21.83	PASS
		12	13	21.78	PASS
		25	0	21.92	PASS
	HCH	1	0	23.05	PASS
		1	12	23.32	PASS
		1	24	23.10	PASS
		12	0	22.06	PASS
		12	6	22.07	PASS
		12	13	22.02	PASS
		25	0	22.11	PASS
16QAM	LCH	1	0	21.62	PASS
		1	12	21.32	PASS
		1	24	21.70	PASS

		12	0	20.65	PASS
		12	6	20.54	PASS
		12	13	20.53	PASS
		25	0	20.69	PASS
MCH	MCH	1	0	22.18	PASS
		1	12	22.47	PASS
		1	24	22.35	PASS
		12	0	21.04	PASS
		12	6	20.88	PASS
		12	13	20.93	PASS
		25	0	21.05	PASS
HCH	HCH	1	0	21.67	PASS
		1	12	21.57	PASS
		1	24	21.65	PASS
		12	0	21.17	PASS
		12	6	21.14	PASS
		12	13	21.15	PASS
		25	0	21.29	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.62	PASS
		1	24	22.63	PASS
		1	49	22.87	PASS
		25	0	21.45	PASS
		25	12	21.96	PASS
		25	25	21.84	PASS
		50	0	21.97	PASS
	MCH	1	0	22.65	PASS
		1	24	22.84	PASS
		1	49	23.01	PASS
		25	0	21.81	PASS
		25	12	21.87	PASS
		25	25	21.71	PASS
		50	0	21.92	PASS
	HCH	1	0	23.04	PASS
		1	24	23.14	PASS
		1	49	23.35	PASS
		25	0	22.48	PASS
		25	12	22.43	PASS
		25	25	22.46	PASS

		50	0	21.94	PASS
16QAM	LCH	1	0	21.55	PASS
		1	24	21.82	PASS
		1	49	22.48	PASS
		25	0	20.55	PASS
		25	12	20.89	PASS
		25	25	20.71	PASS
		50	0	21.07	PASS
	MCH	1	0	22.47	PASS
		1	24	22.37	PASS
		1	49	22.31	PASS
		25	0	21.14	PASS
		25	12	20.97	PASS
		25	25	21.23	PASS
		50	0	21.12	PASS
	HCH	1	0	22.05	PASS
		1	24	22.12	PASS
		1	49	22.33	PASS
		25	0	21.14	PASS
		25	12	21.19	PASS
		25	25	21.23	PASS
		50	0	21.15	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	5.16	<13	PASS
		1	3	5.08	<13	PASS
		1	5	5.07	<13	PASS
		3	0	5.25	<13	PASS
		3	2	5.17	<13	PASS
		3	3	5.22	<13	PASS
		6	0	5.39	<13	PASS
	MCH	1	0	4.97	<13	PASS
		1	3	4.86	<13	PASS
		1	5	5	<13	PASS
		3	0	5.22	<13	PASS
		3	2	5.16	<13	PASS
		3	3	5.12	<13	PASS
		6	0	5.5	<13	PASS
16QAM	LCH	1	0	5.04	<13	PASS
		1	3	5.17	<13	PASS
		1	5	5.08	<13	PASS
		3	0	5	<13	PASS
		3	2	5.17	<13	PASS
		3	3	5.2	<13	PASS
		6	0	5.49	<13	PASS
	MCH	1	0	6.12	<13	PASS
		1	3	6.04	<13	PASS
		1	5	6.06	<13	PASS
		3	0	6.29	<13	PASS
		3	2	6.04	<13	PASS
		3	3	6.08	<13	PASS
		6	0	6.41	<13	PASS

		3	2	6.4	<13	PASS
		3	3	6.26	<13	PASS
		6	0	6.5	<13	PASS
HCH		1	0	5.64	<13	PASS
		1	3	5.61	<13	PASS
		1	5	5.49	<13	PASS
		3	0	6.02	<13	PASS
		3	2	6.23	<13	PASS
		3	3	6.11	<13	PASS
		6	0	6.47	<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	5.16	<13	PASS
		1	7	4.99	<13	PASS
		1	14	4.98	<13	PASS
		8	0	5.57	<13	PASS
		8	4	5.62	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.48	<13	PASS
	MCH	1	0	5.08	<13	PASS
		1	7	4.82	<13	PASS
		1	14	4.85	<13	PASS
		8	0	5.58	<13	PASS
		8	4	5.55	<13	PASS
		8	7	5.45	<13	PASS
		15	0	5.6	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	7	4.96	<13	PASS
		1	14	5.01	<13	PASS
		8	0	5.64	<13	PASS
		8	4	5.57	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.48	<13	PASS
16QAM	LCH	1	0	5.96	<13	PASS
		1	7	5.47	<13	PASS
		1	14	5.67	<13	PASS
		8	0	6.46	<13	PASS
		8	4	6.4	<13	PASS

		8	7	6.25	<13	PASS
		15	0	6.56	<13	PASS
MCH		1	0	5.97	<13	PASS
		1	7	5.57	<13	PASS
		1	14	5.45	<13	PASS
		8	0	6.32	<13	PASS
		8	4	6.3	<13	PASS
		8	7	6.45	<13	PASS
		15	0	6.48	<13	PASS
HCH		1	0	5.79	<13	PASS
		1	7	5.75	<13	PASS
		1	14	5.97	<13	PASS
		8	0	6.38	<13	PASS
		8	4	6.43	<13	PASS
		8	7	6.4	<13	PASS
		15	0	6.2	<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	5.42	<13	PASS
		1	12	5.13	<13	PASS
		1	24	5.29	<13	PASS
		12	0	5.41	<13	PASS
		12	6	5.49	<13	PASS
		12	13	5.54	<13	PASS
		25	0	5.6	<13	PASS
	MCH	1	0	5.53	<13	PASS
		1	12	5.27	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.55	<13	PASS
		12	6	5.42	<13	PASS
		12	13	5.33	<13	PASS
		25	0	5.5	<13	PASS
	HCH	1	0	4.82	<13	PASS
		1	12	4.98	<13	PASS
		1	24	5.04	<13	PASS
		12	0	5.21	<13	PASS
		12	6	5.41	<13	PASS
		12	13	5.57	<13	PASS

		25	0	5.47	<13	PASS
16QAM	LCH	1	0	6.24	<13	PASS
		1	12	5.86	<13	PASS
		1	24	6.24	<13	PASS
		12	0	6.48	<13	PASS
		12	6	6.51	<13	PASS
		12	13	6.47	<13	PASS
		25	0	6.22	<13	PASS
	MCH	1	0	6.42	<13	PASS
		1	12	5.88	<13	PASS
		1	24	6.05	<13	PASS
		12	0	6.31	<13	PASS
		12	6	6.32	<13	PASS
		12	13	6.24	<13	PASS
		25	0	6.39	<13	PASS
	HCH	1	0	5.69	<13	PASS
		1	12	6.03	<13	PASS
		1	24	5.99	<13	PASS
		12	0	6.11	<13	PASS
		12	6	6.27	<13	PASS
		12	13	6.26	<13	PASS
		25	0	6.19	<13	PASS

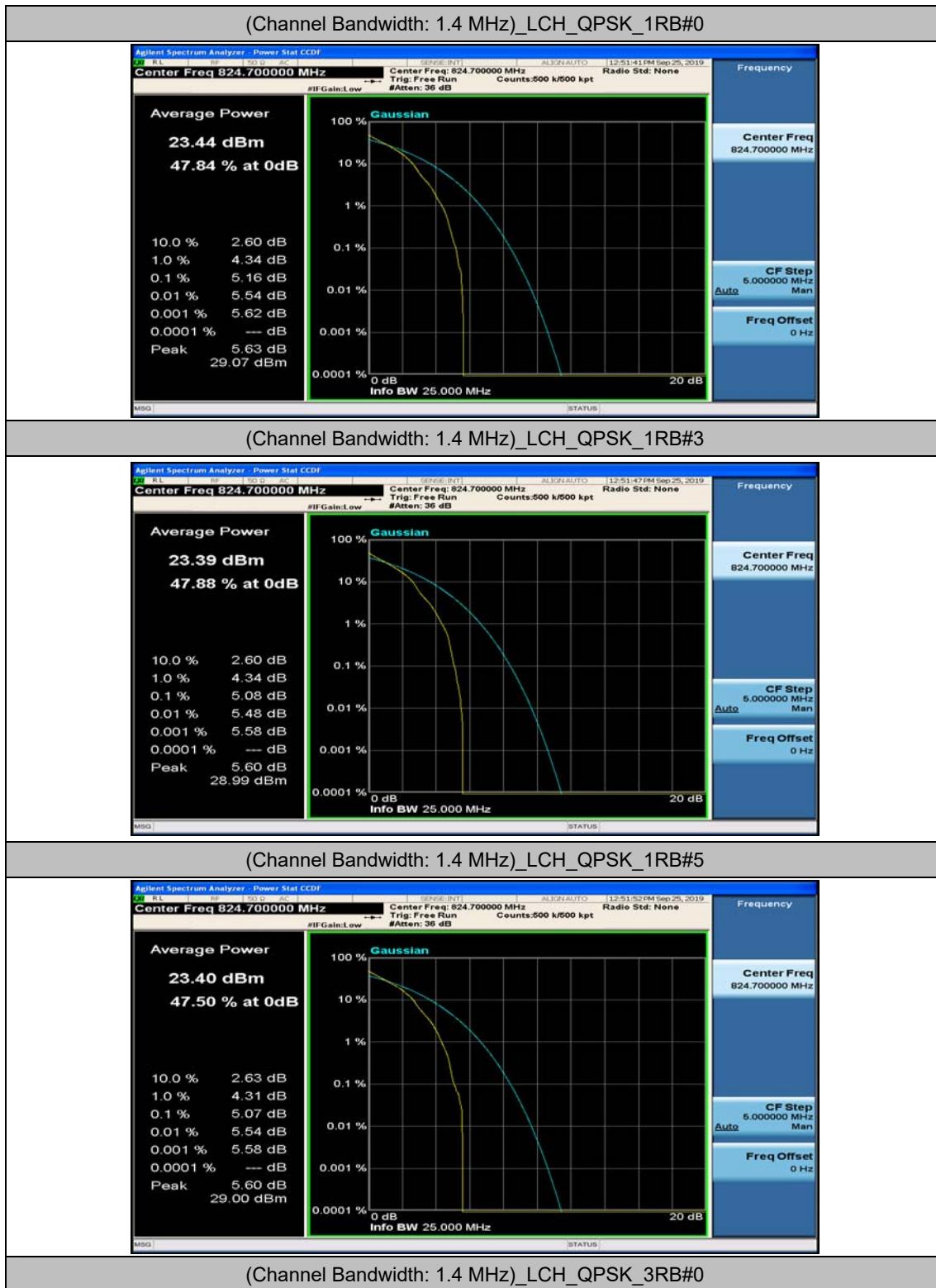
Channel Bandwidth: 10 MHz

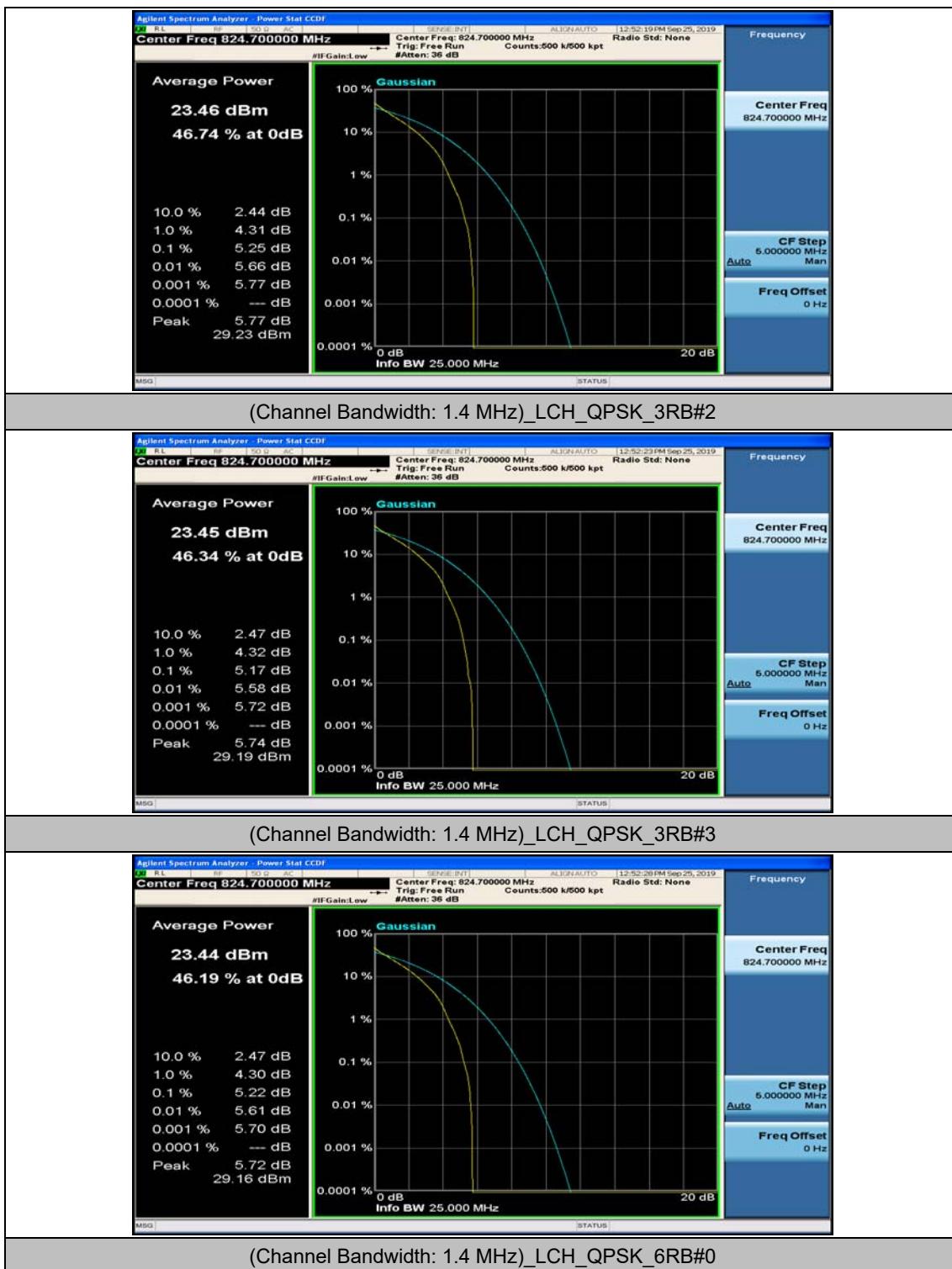
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
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		1	24	5.02	<13	PASS
		1	49	5.35	<13	PASS
		25	0	5.61	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.58	<13	PASS
	MCH	1	0	5.13	<13	PASS
		1	24	4.77	<13	PASS
		1	49	4.42	<13	PASS
		25	0	5.74	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.43	<13	PASS
		50	0	5.63	<13	PASS

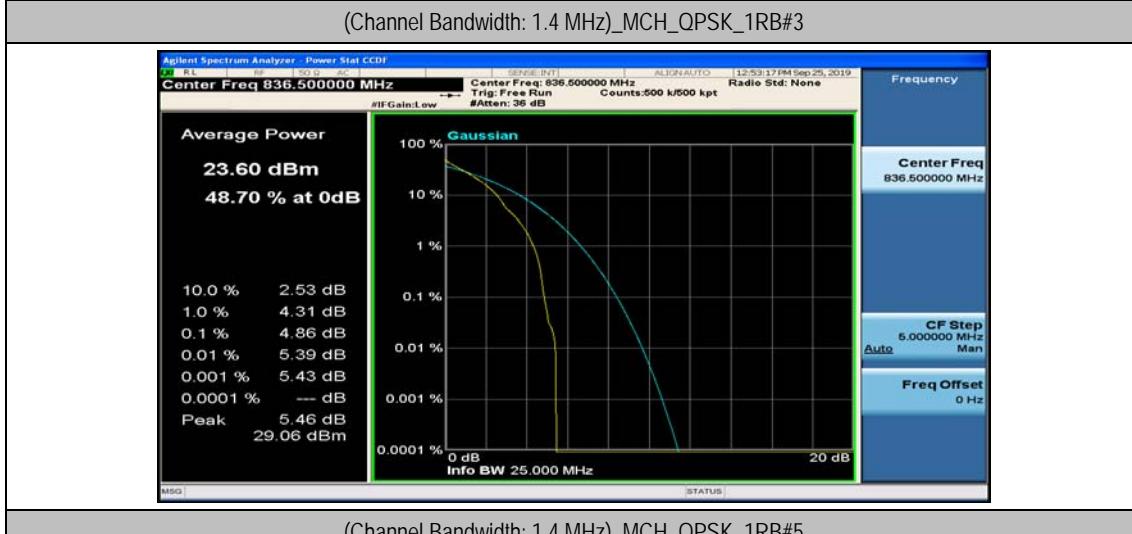
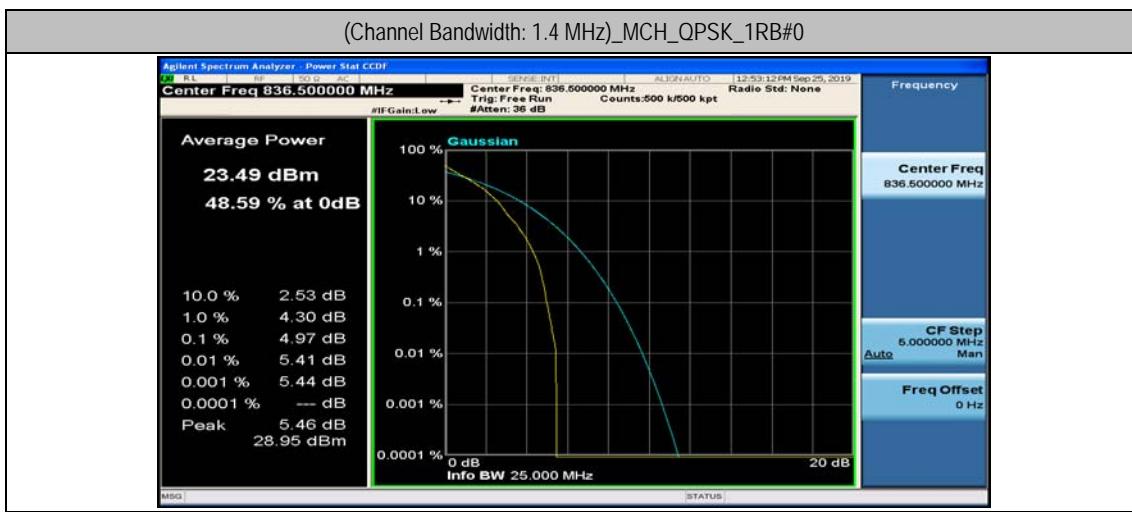
		1	0	4.85	<13	PASS
		1	24	4.6	<13	PASS
		1	49	4.96	<13	PASS
	HCH	25	0	5.16	<13	PASS
		25	12	5.32	<13	PASS
		25	25	5.38	<13	PASS
		50	0	5.42	<13	PASS
16QAM	LCH	1	0	5.86	<13	PASS
		1	24	5.53	<13	PASS
		1	49	6.39	<13	PASS
		25	0	6.47	<13	PASS
		25	12	6.52	<13	PASS
		25	25	6.65	<13	PASS
		50	0	6.36	<13	PASS
	MCH	1	0	5.99	<13	PASS
		1	24	5.87	<13	PASS
		1	49	5.3	<13	PASS
		25	0	6.55	<13	PASS
		25	12	6.41	<13	PASS
		25	25	6.29	<13	PASS
		50	0	6.33	<13	PASS
	HCH	1	0	5.97	<13	PASS
		1	24	5.74	<13	PASS
		1	49	6.27	<13	PASS
		25	0	6.08	<13	PASS
		25	12	6.24	<13	PASS
		25	25	6.27	<13	PASS
		50	0	6.22	<13	PASS

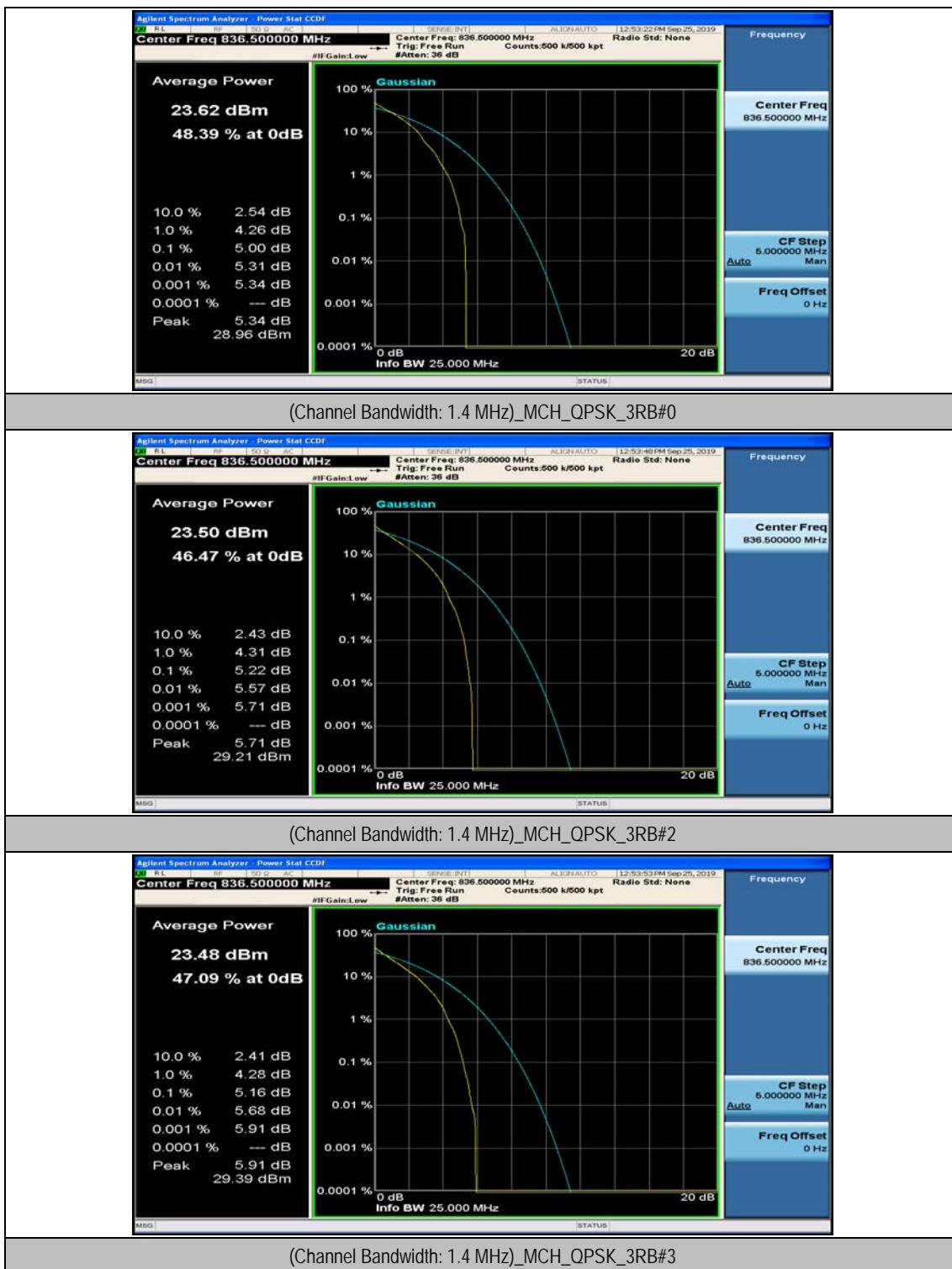
Test Graphs

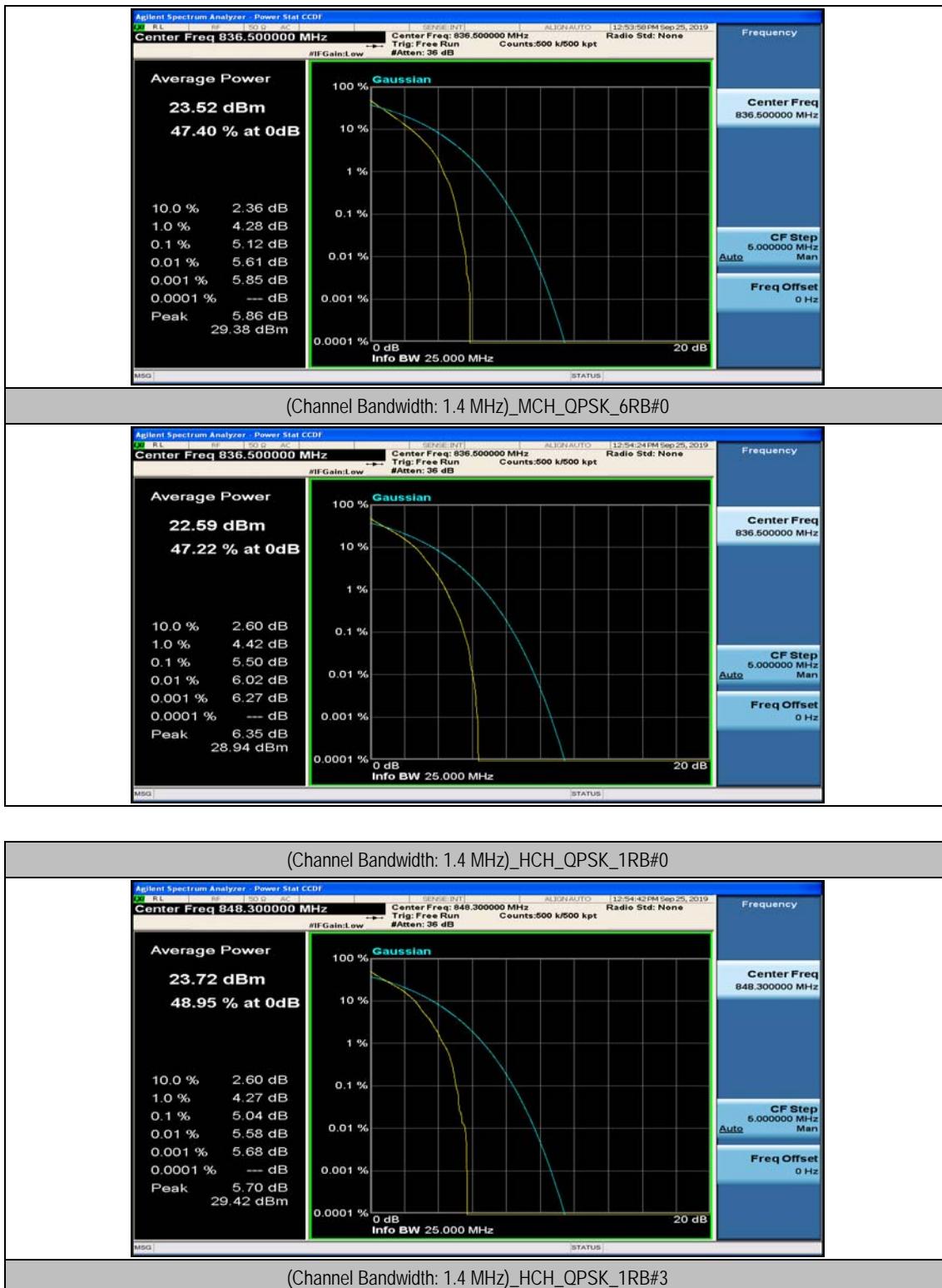
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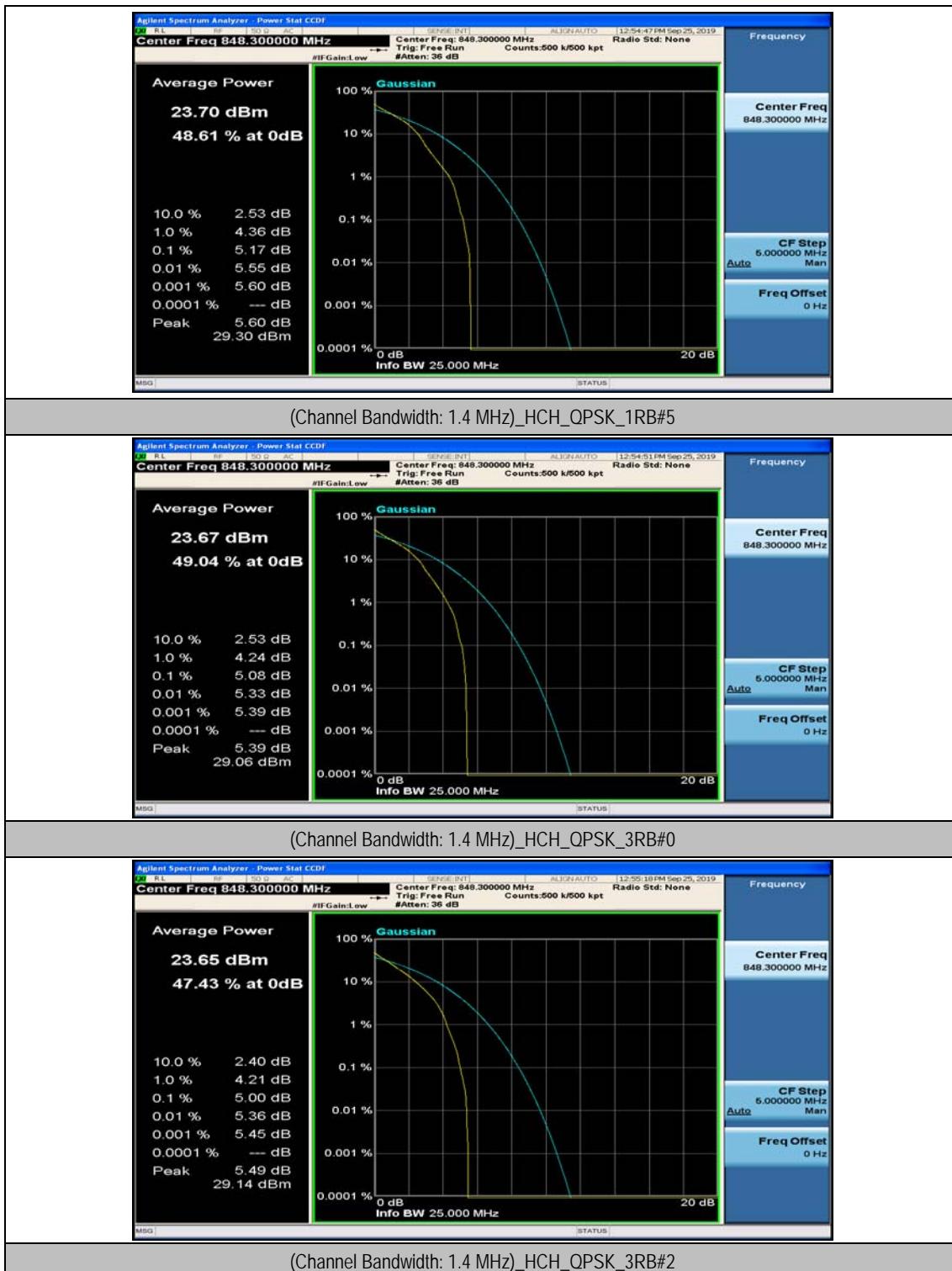


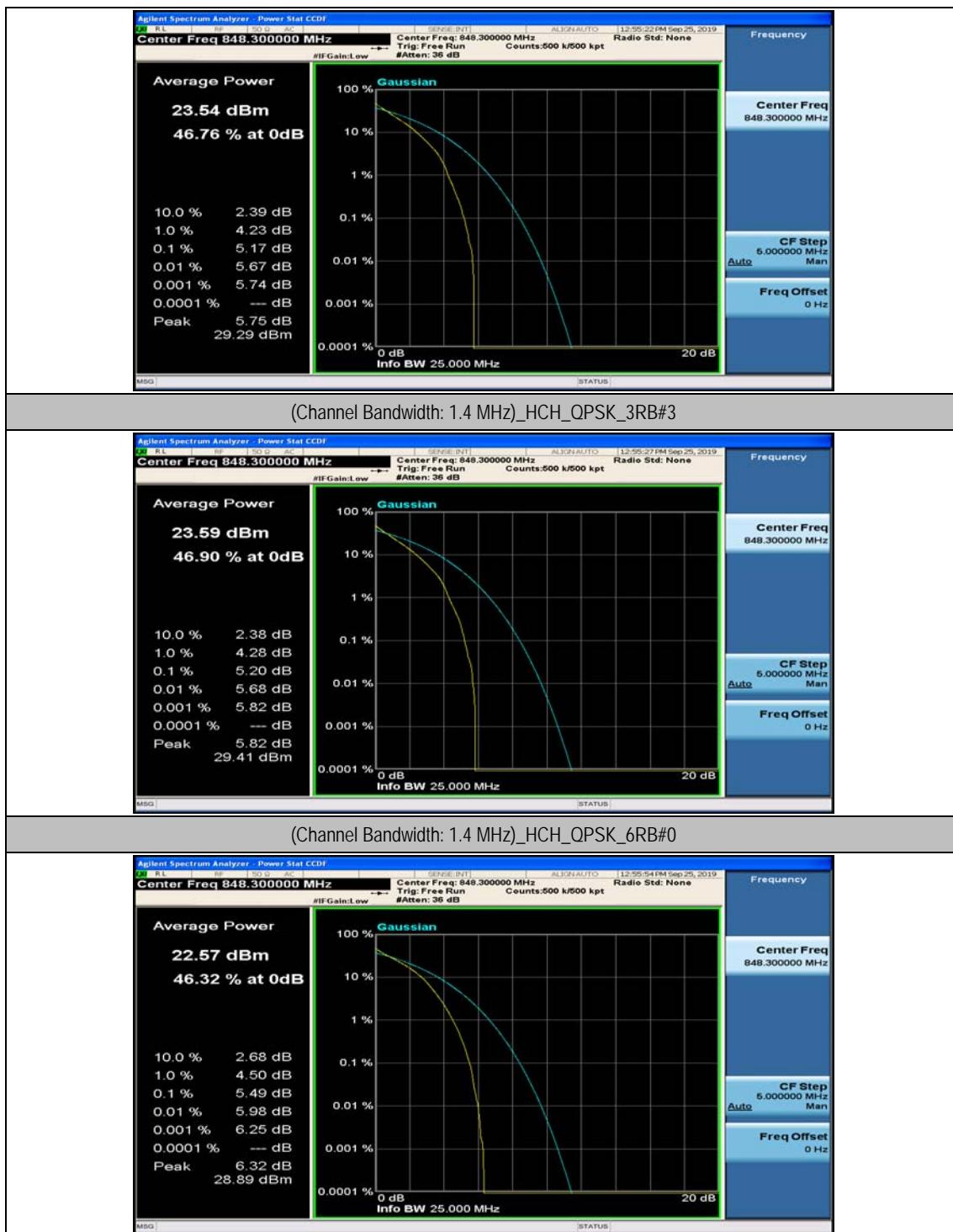


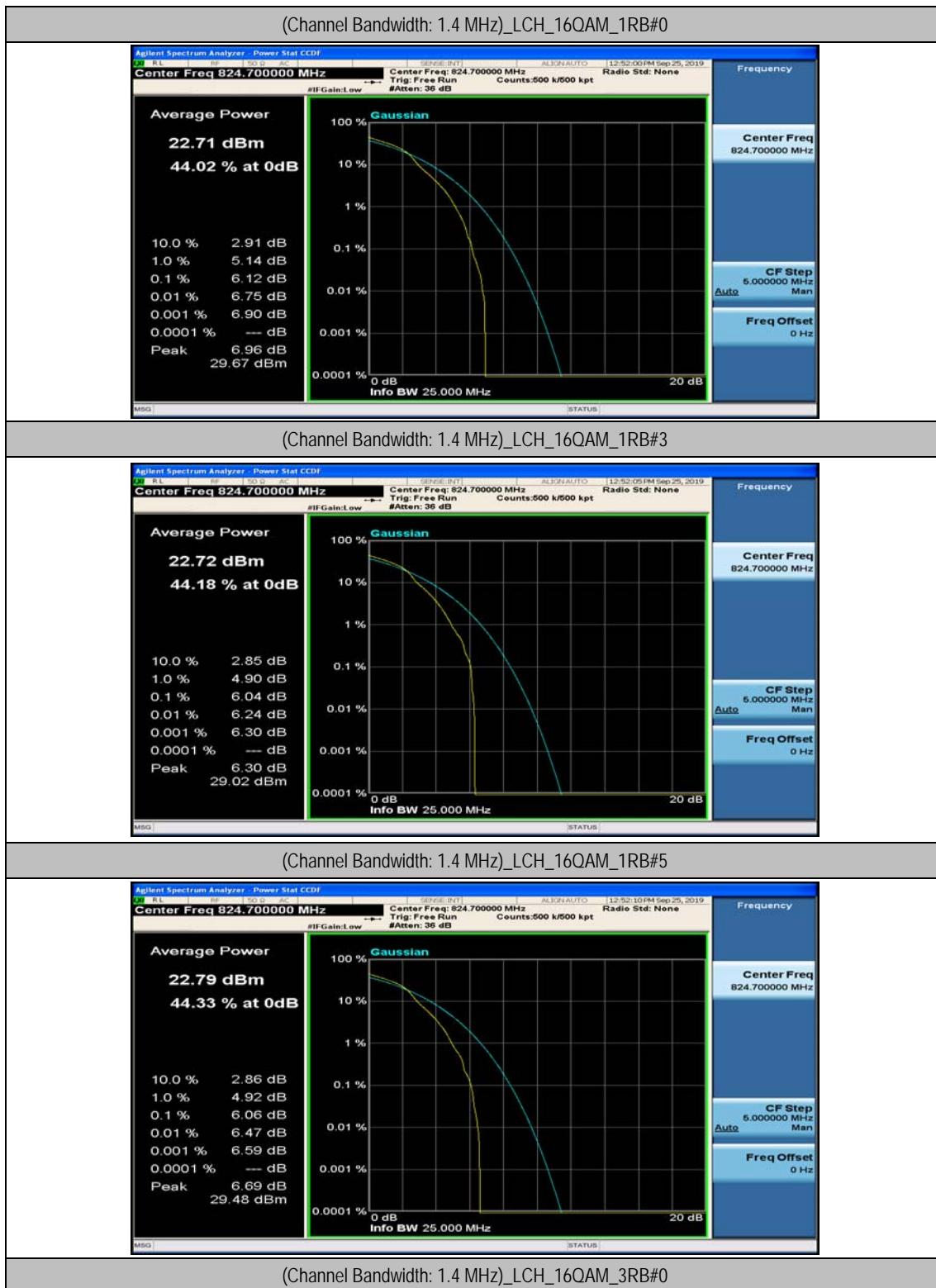


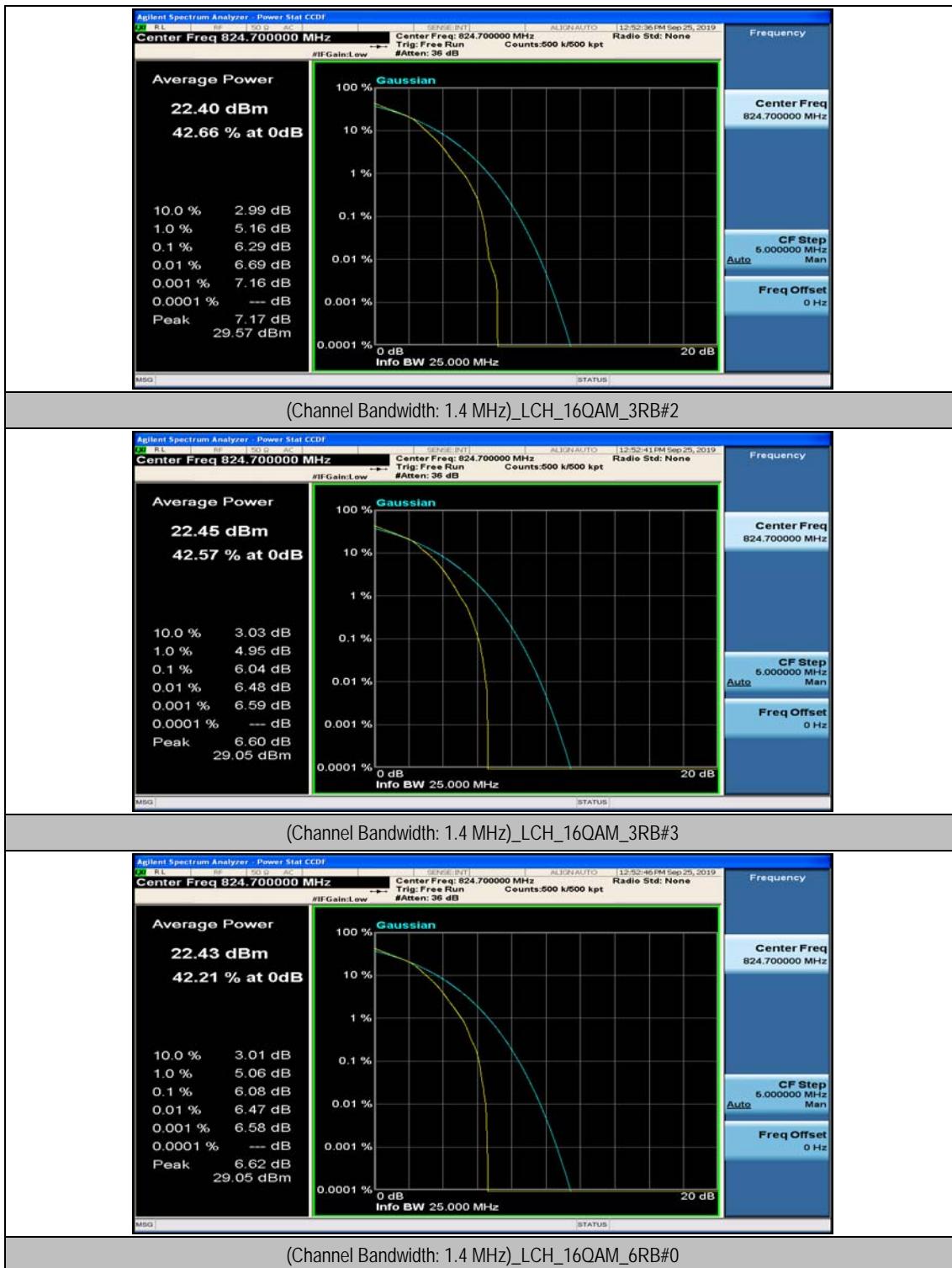


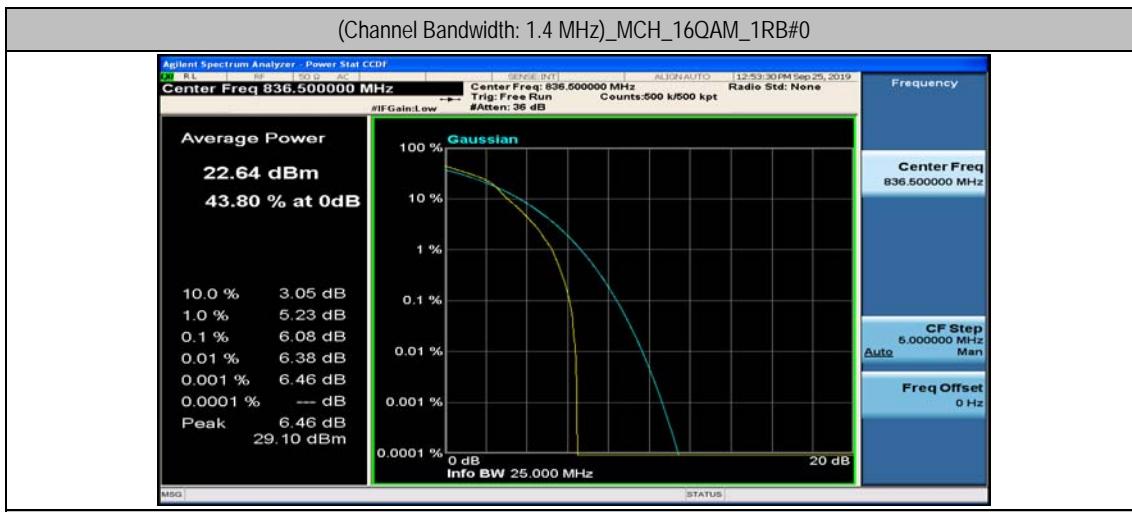
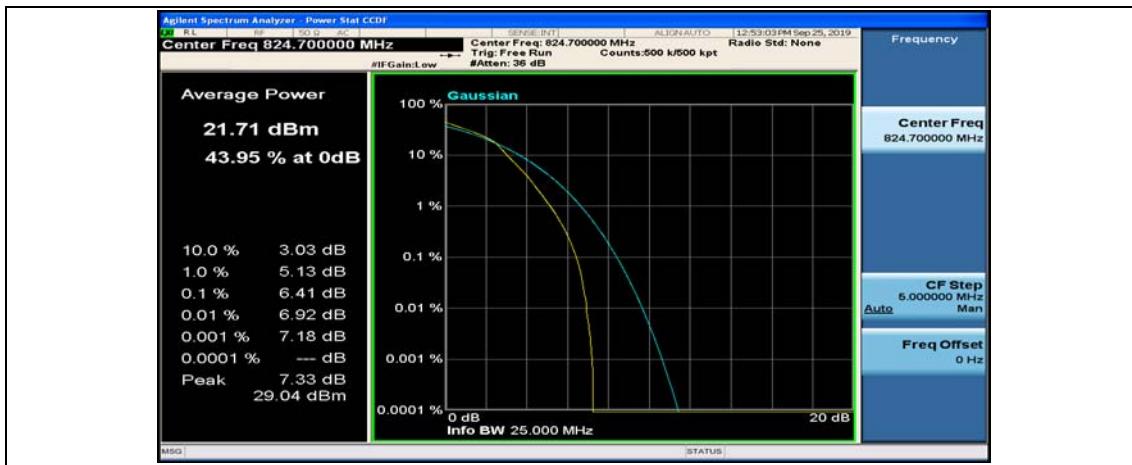


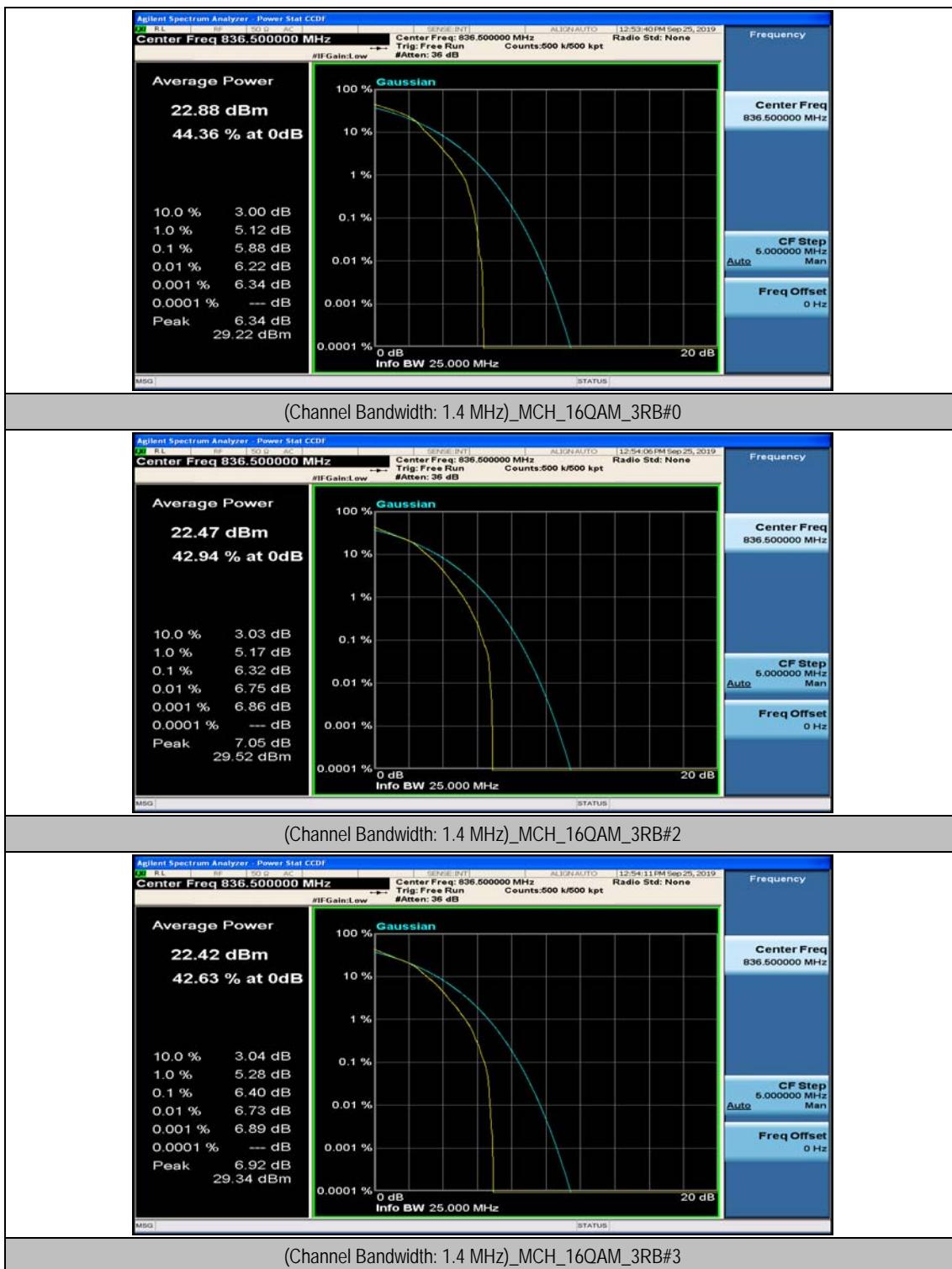


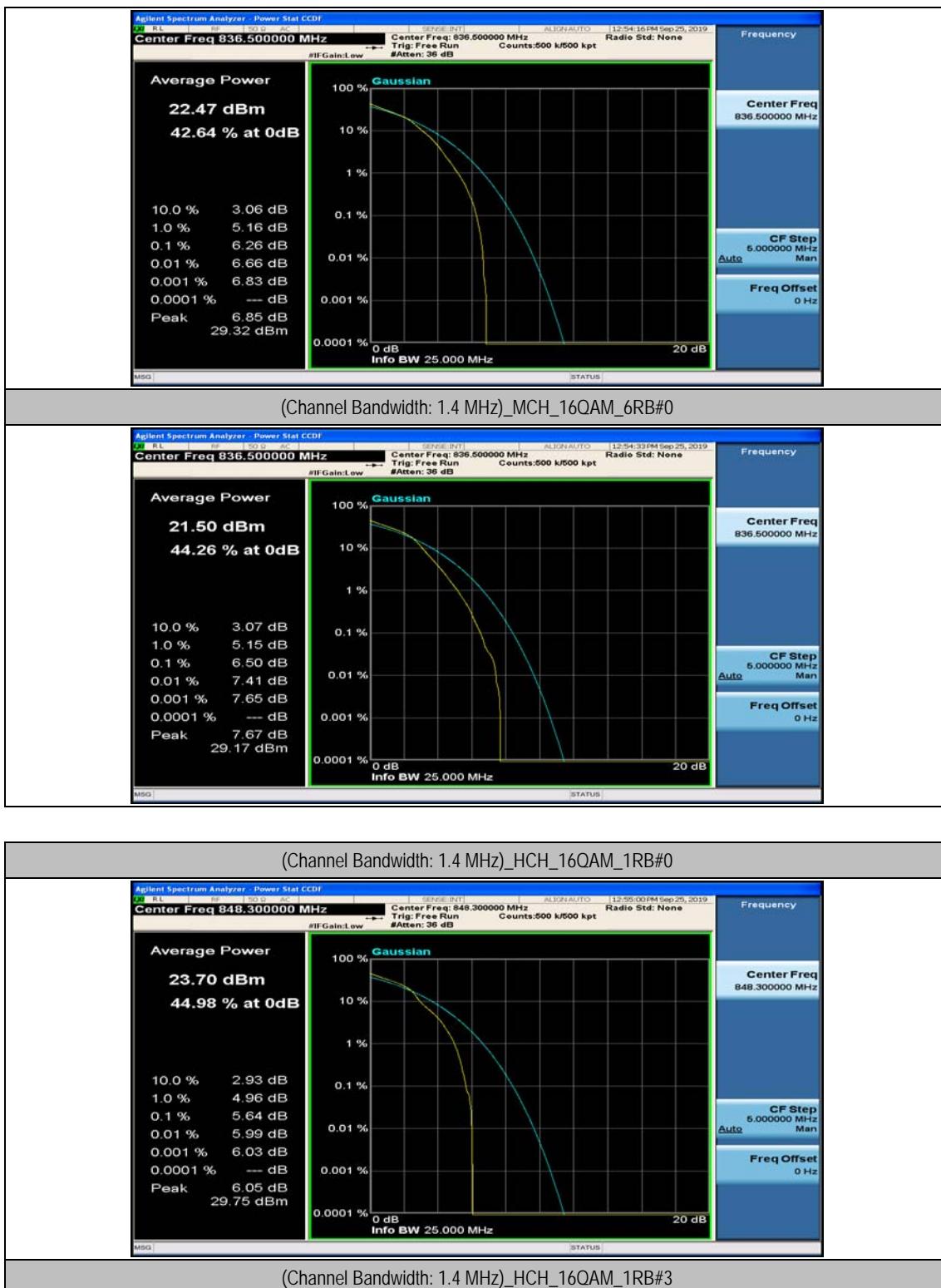


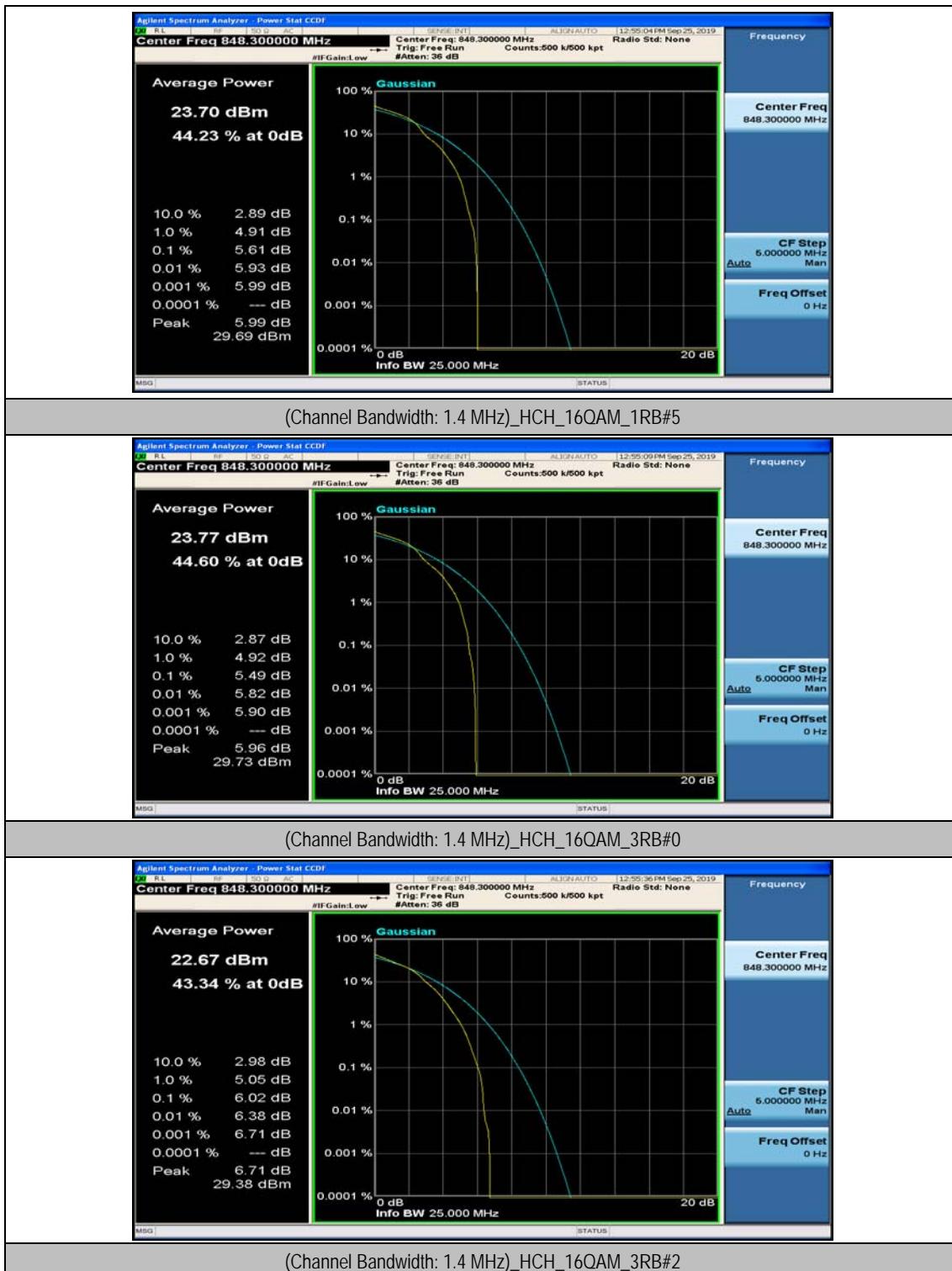


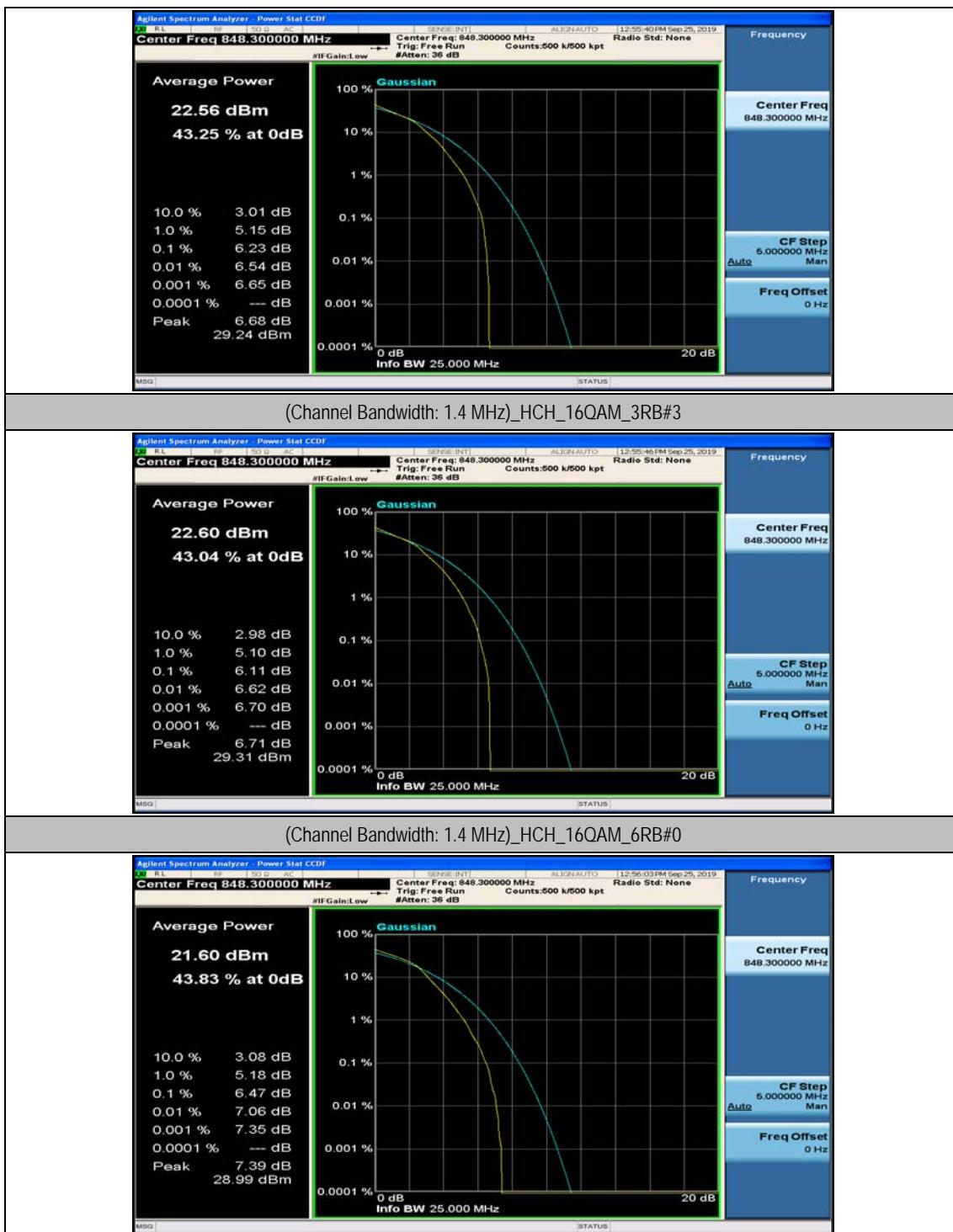




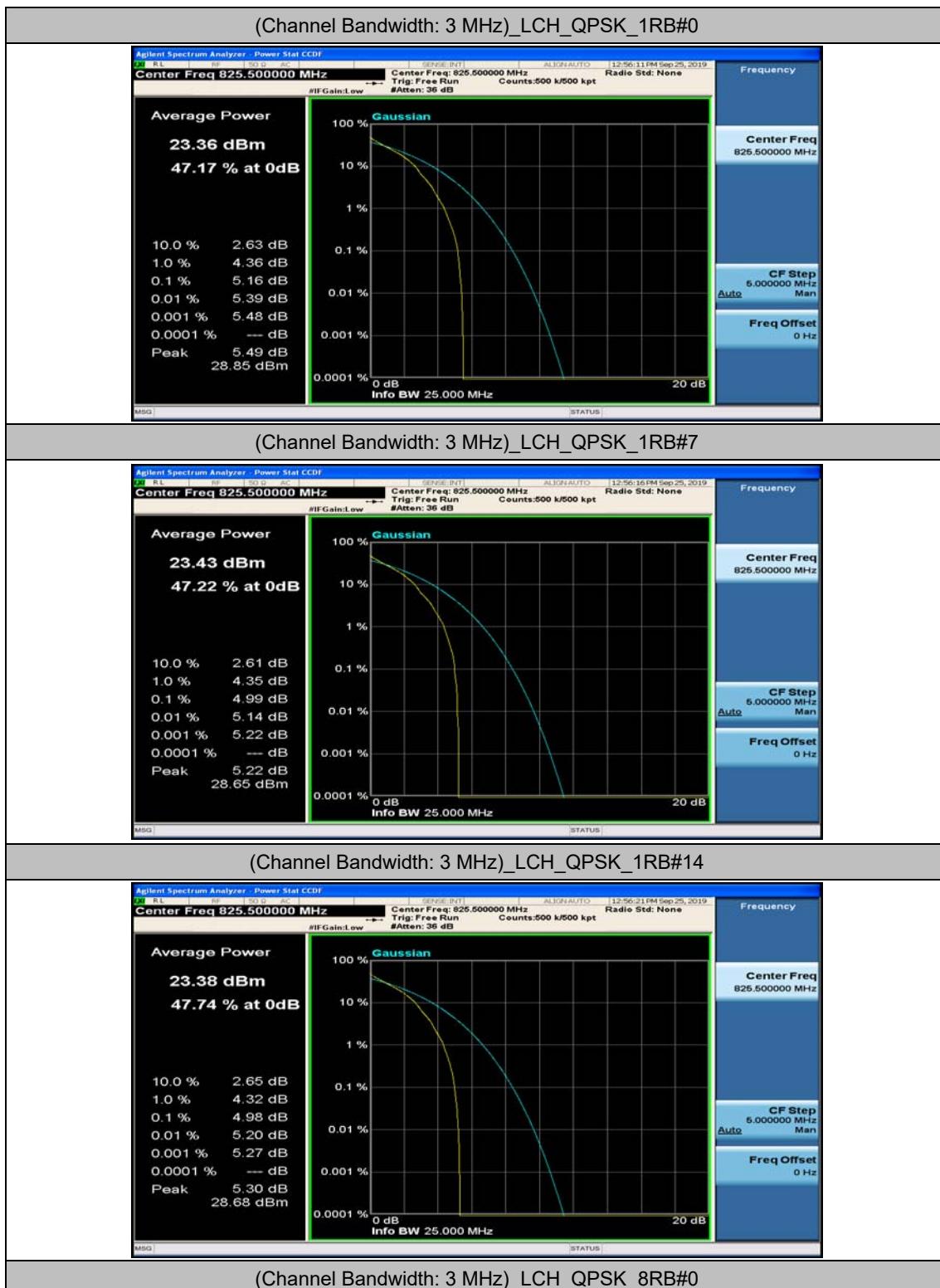


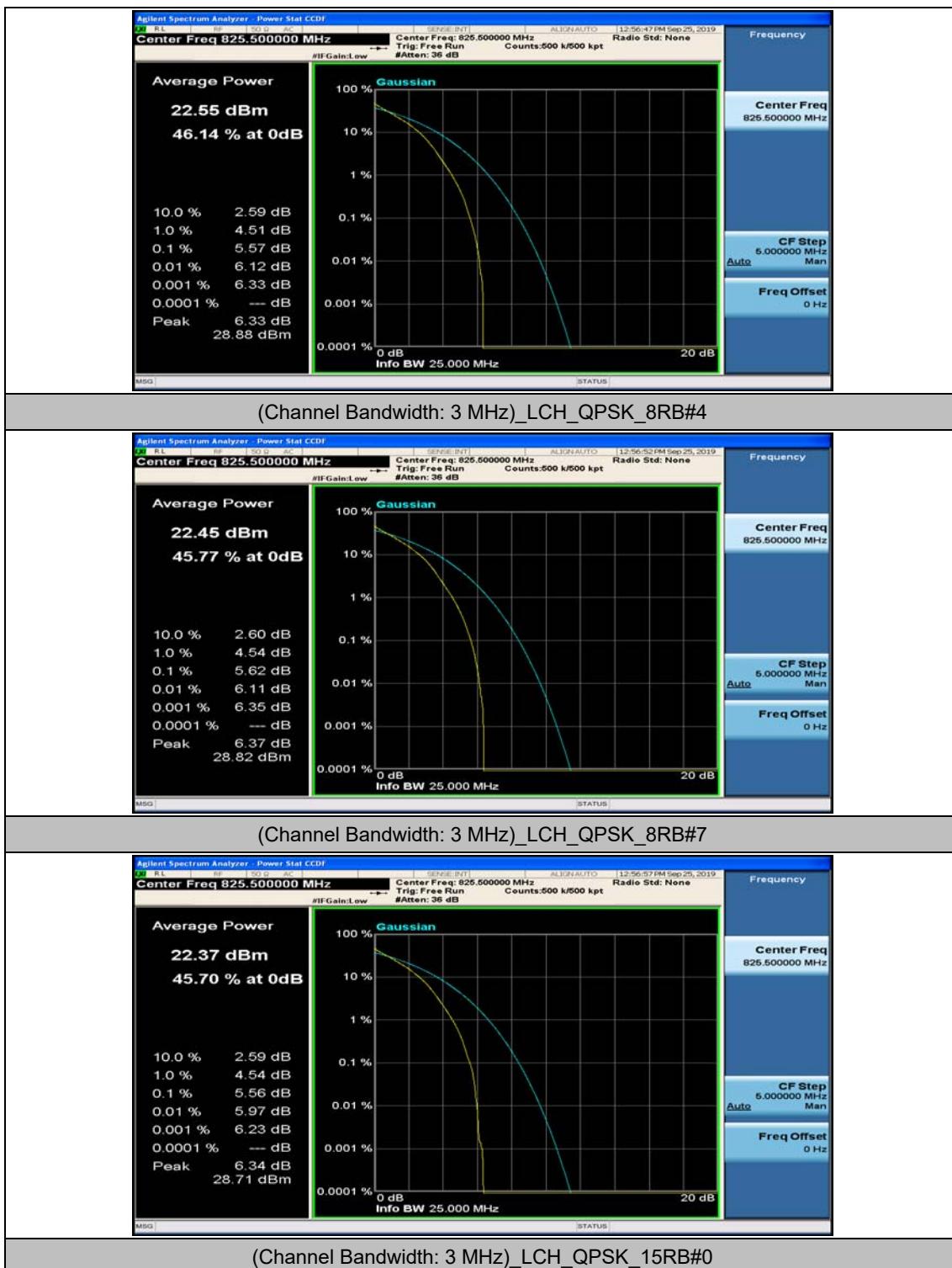


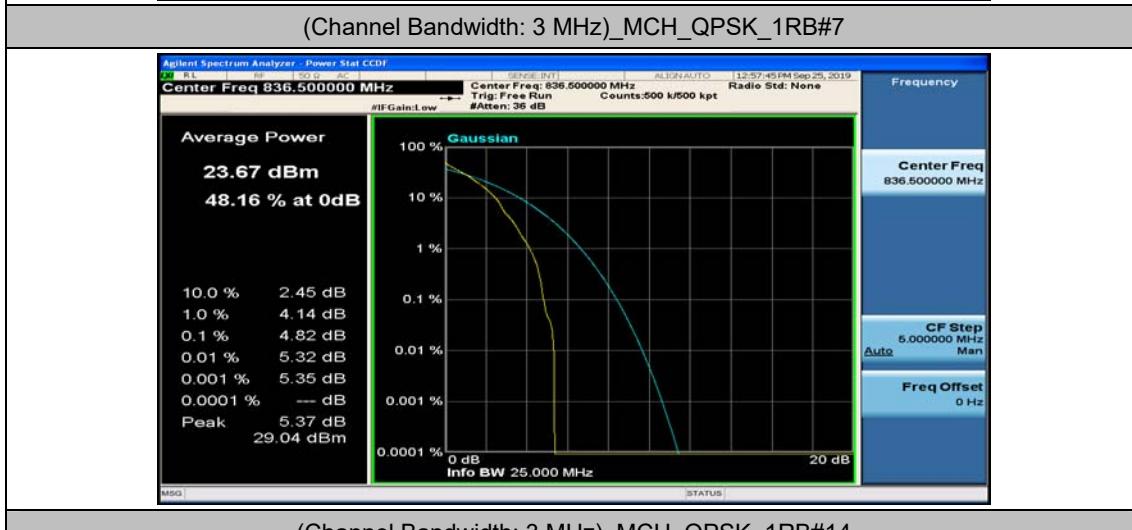
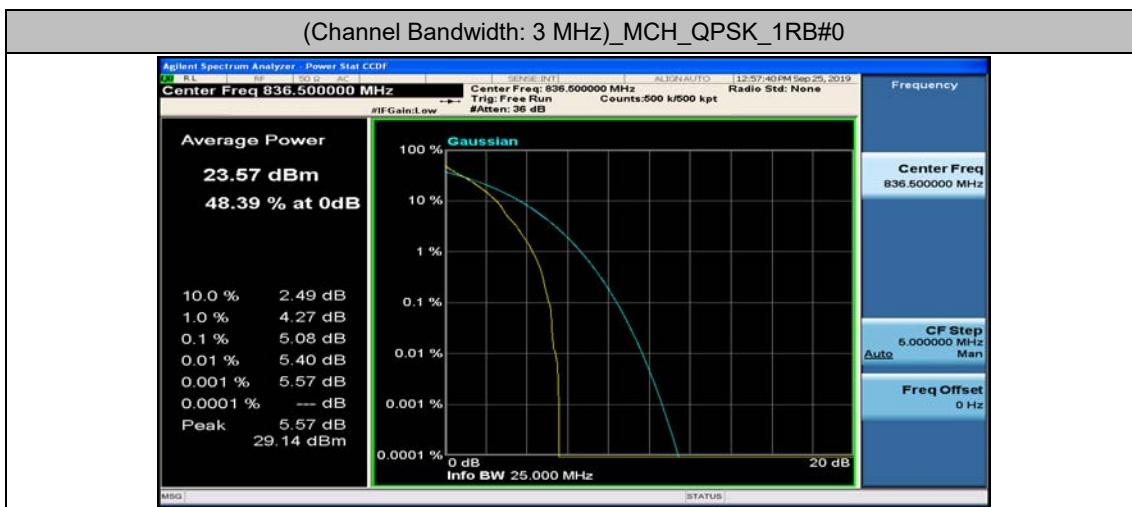
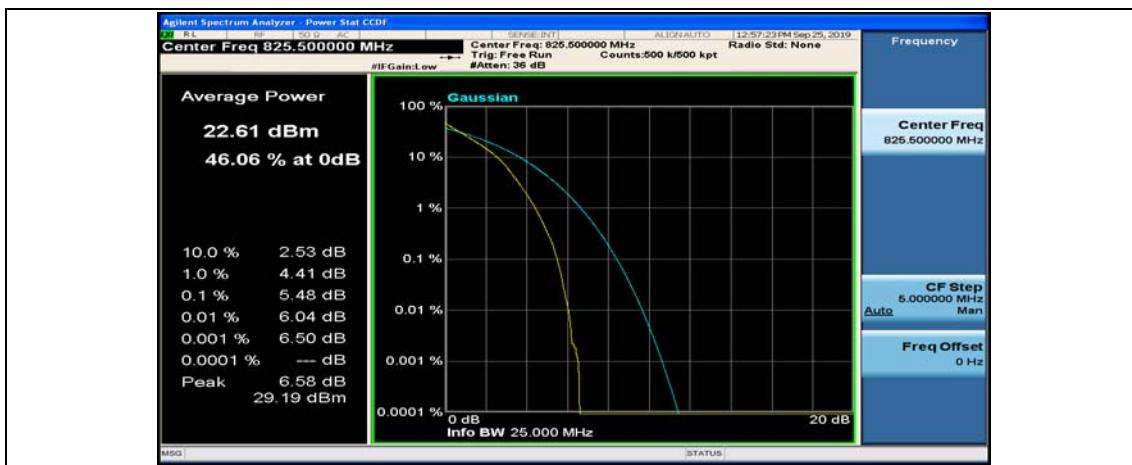




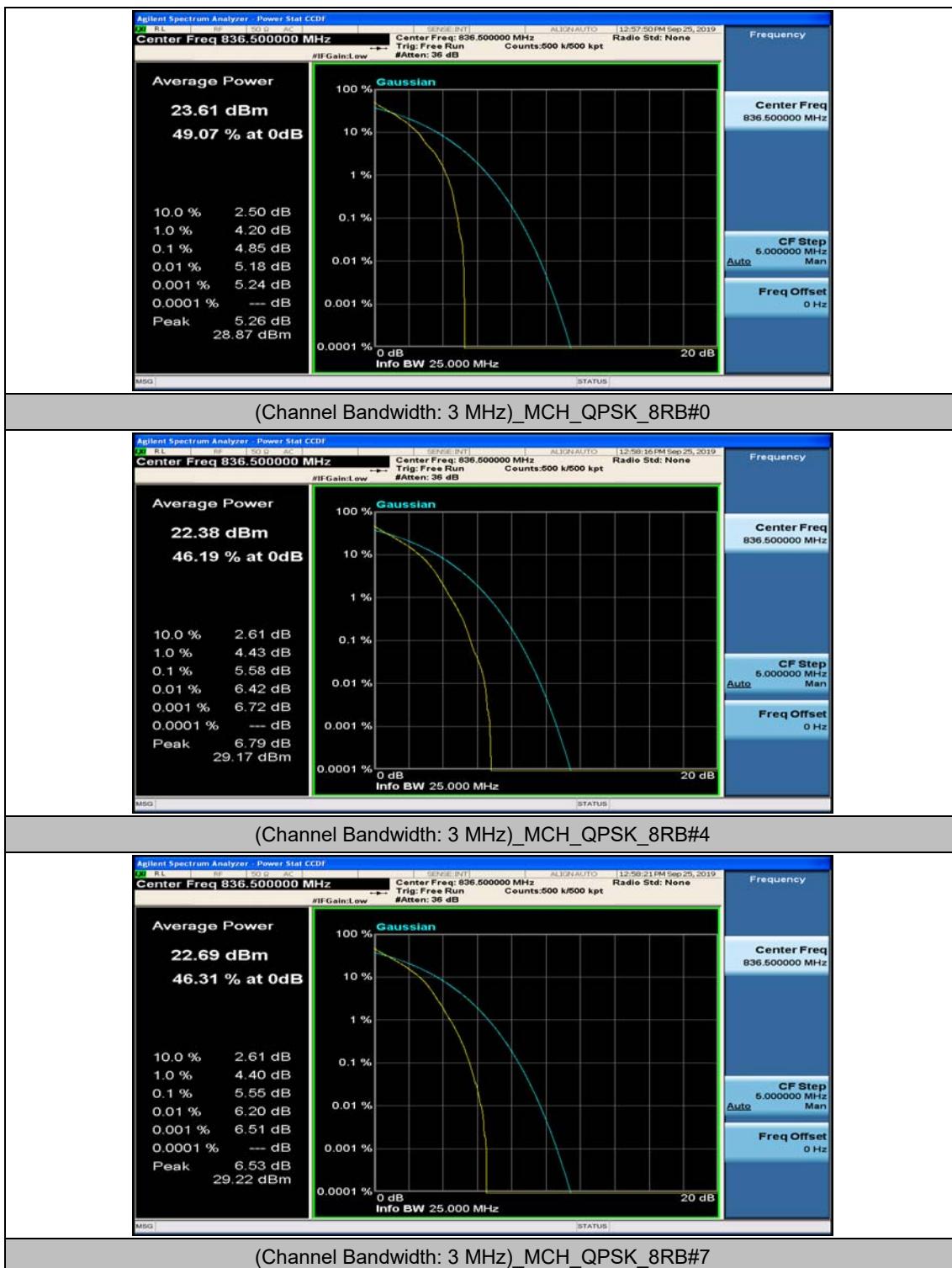
Channel Bandwidth: 3 MHz

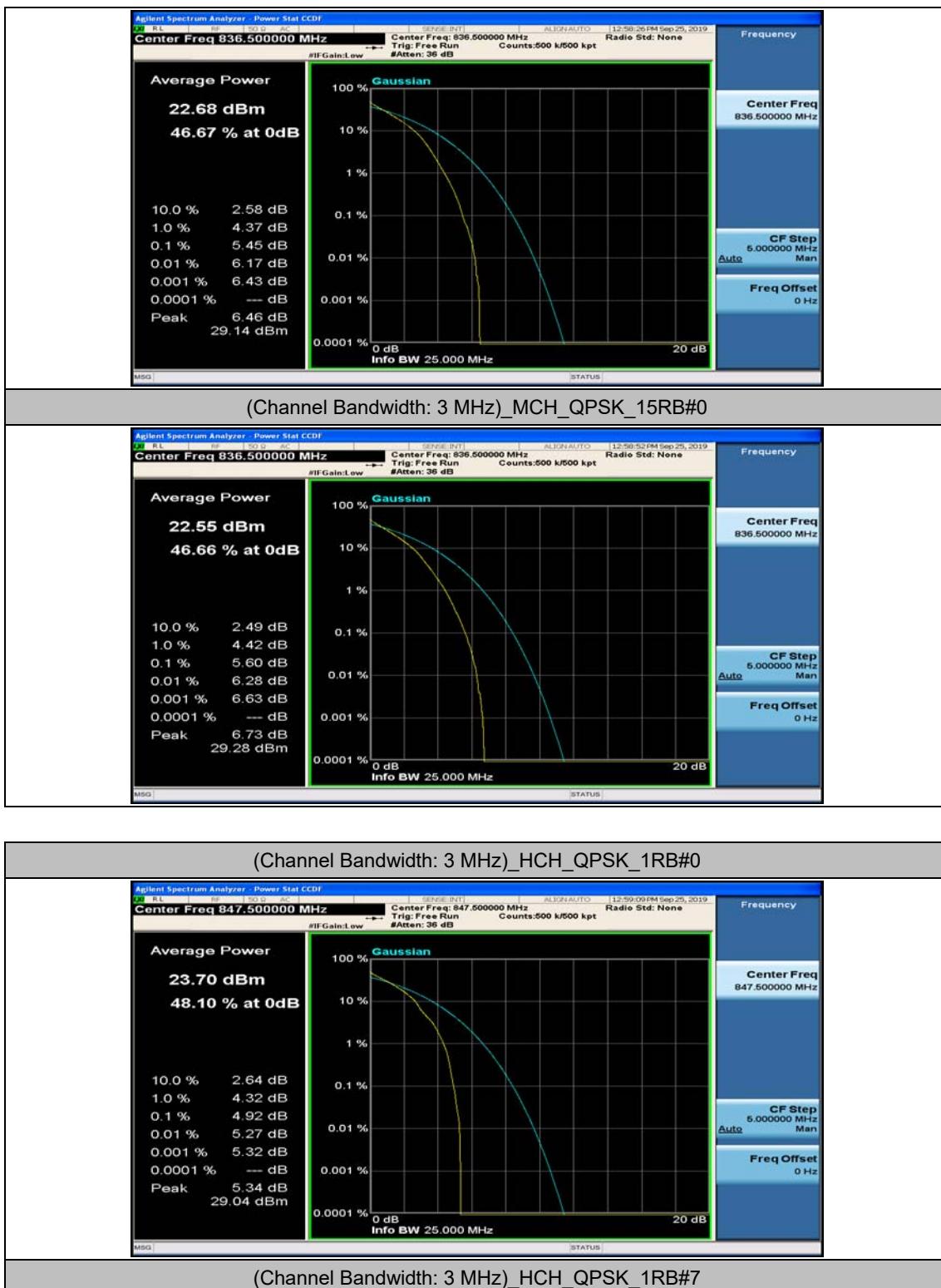


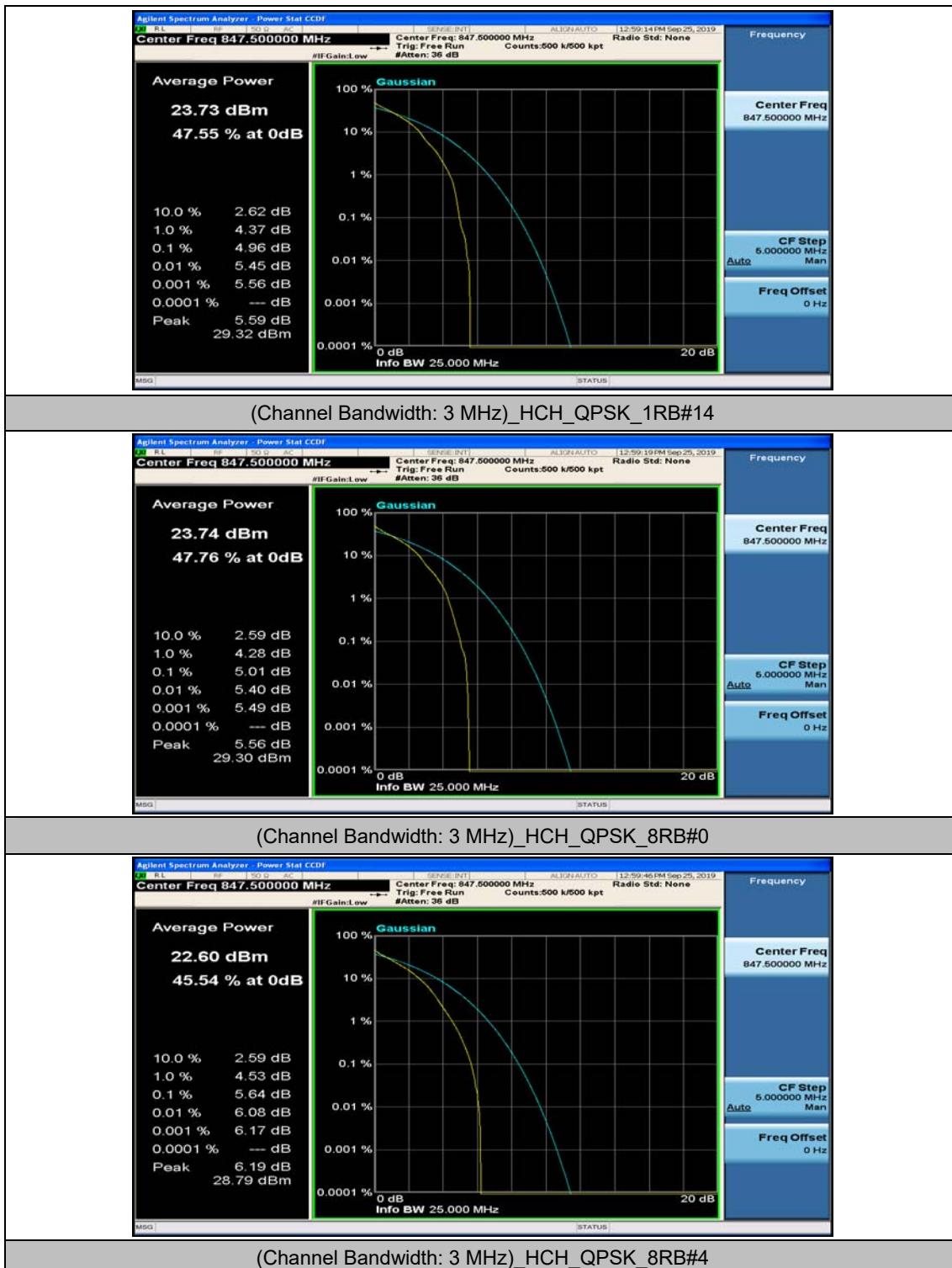


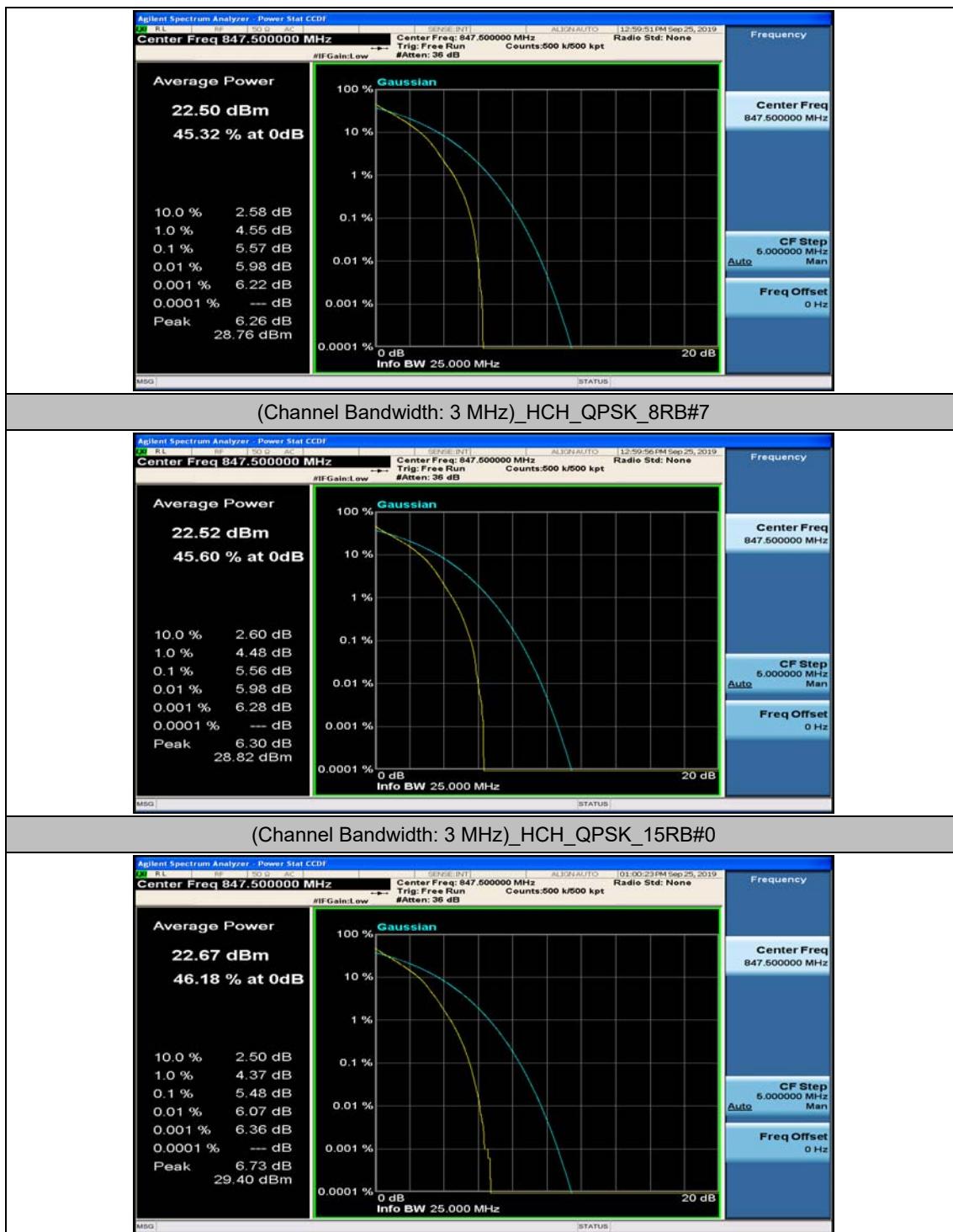


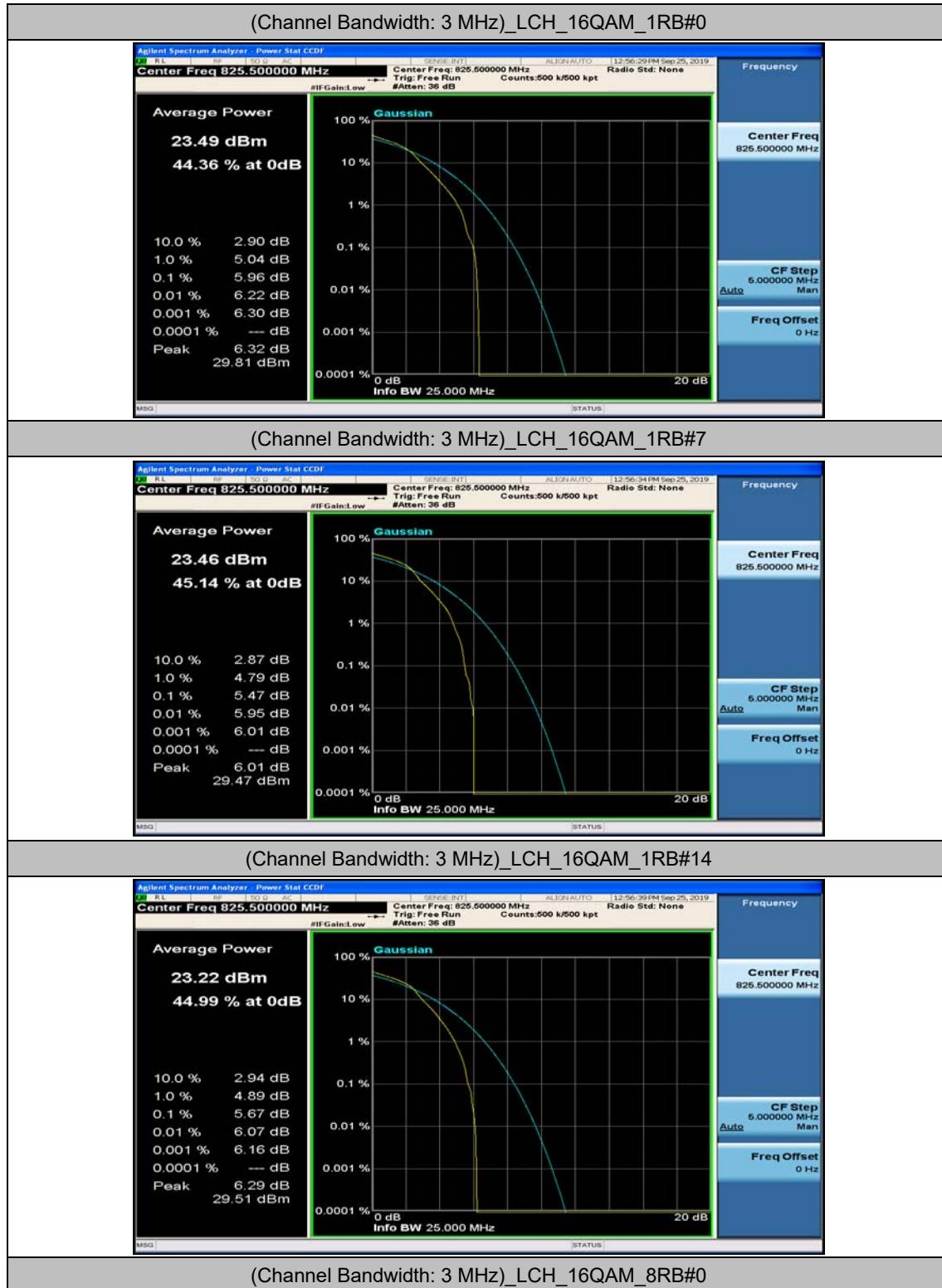
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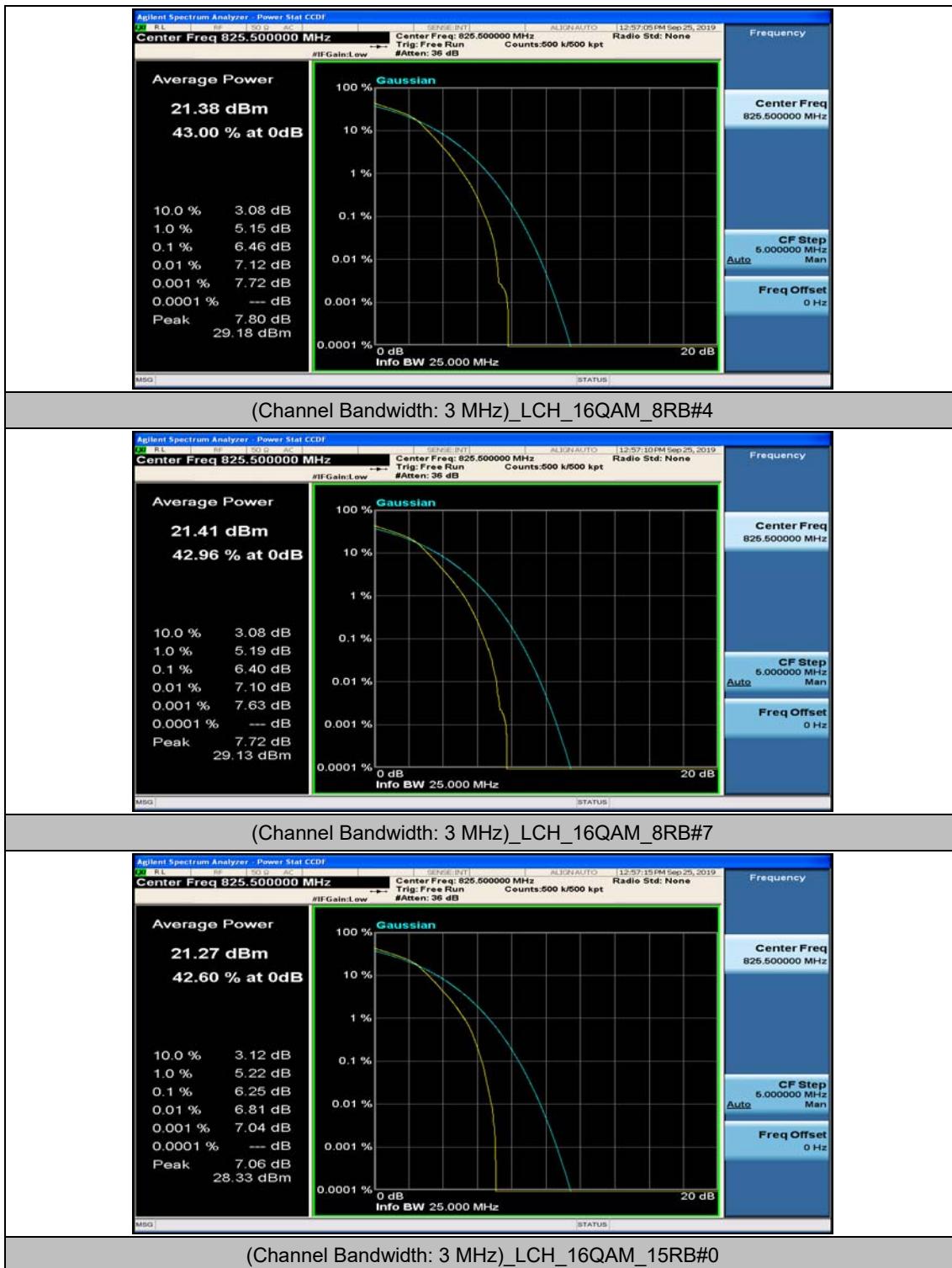


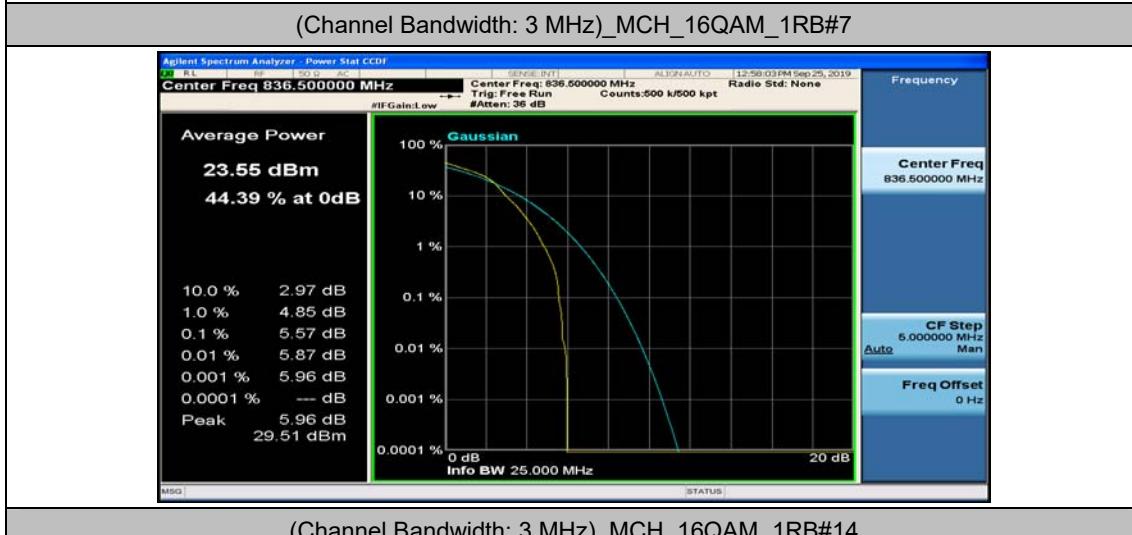
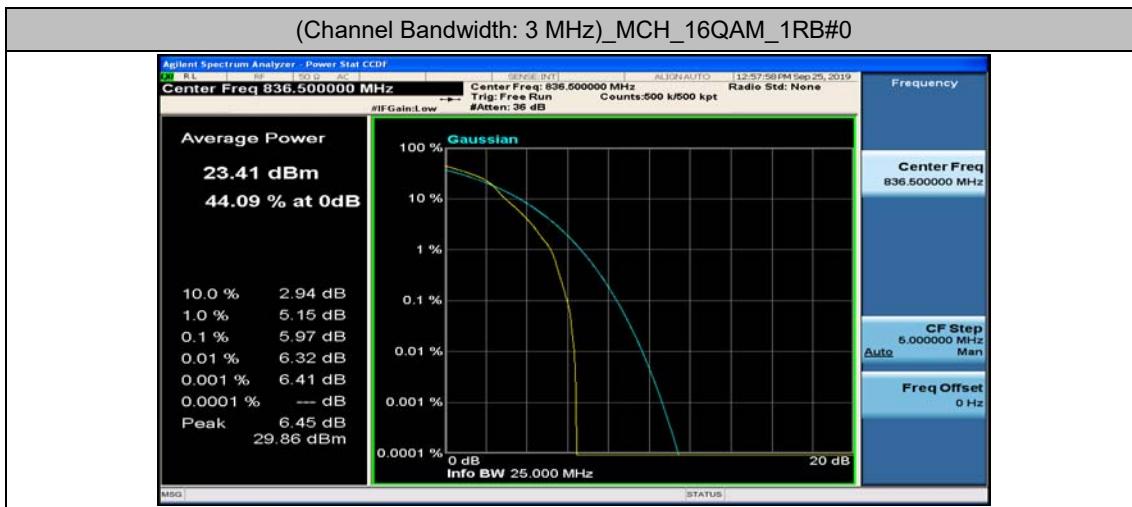




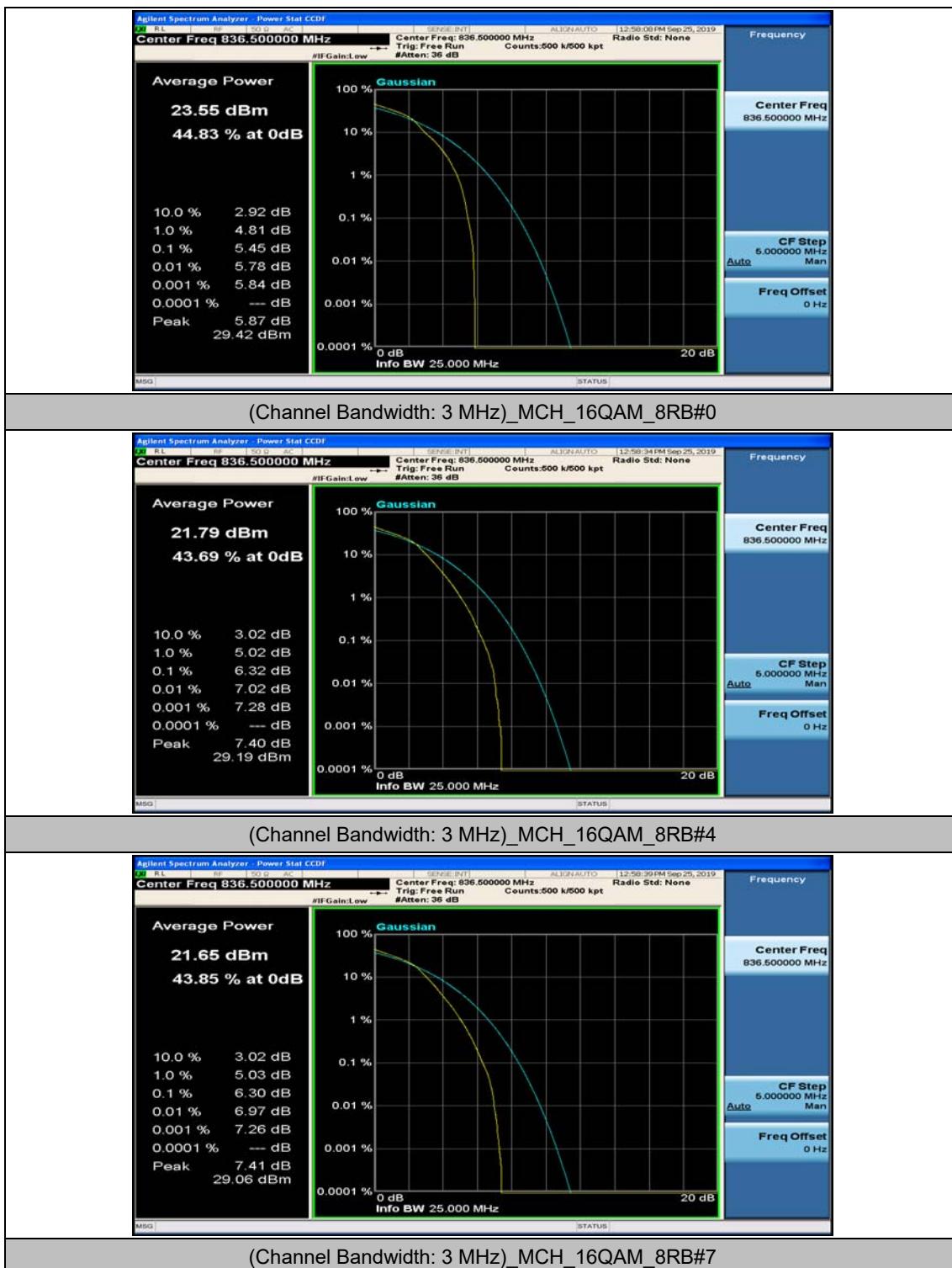


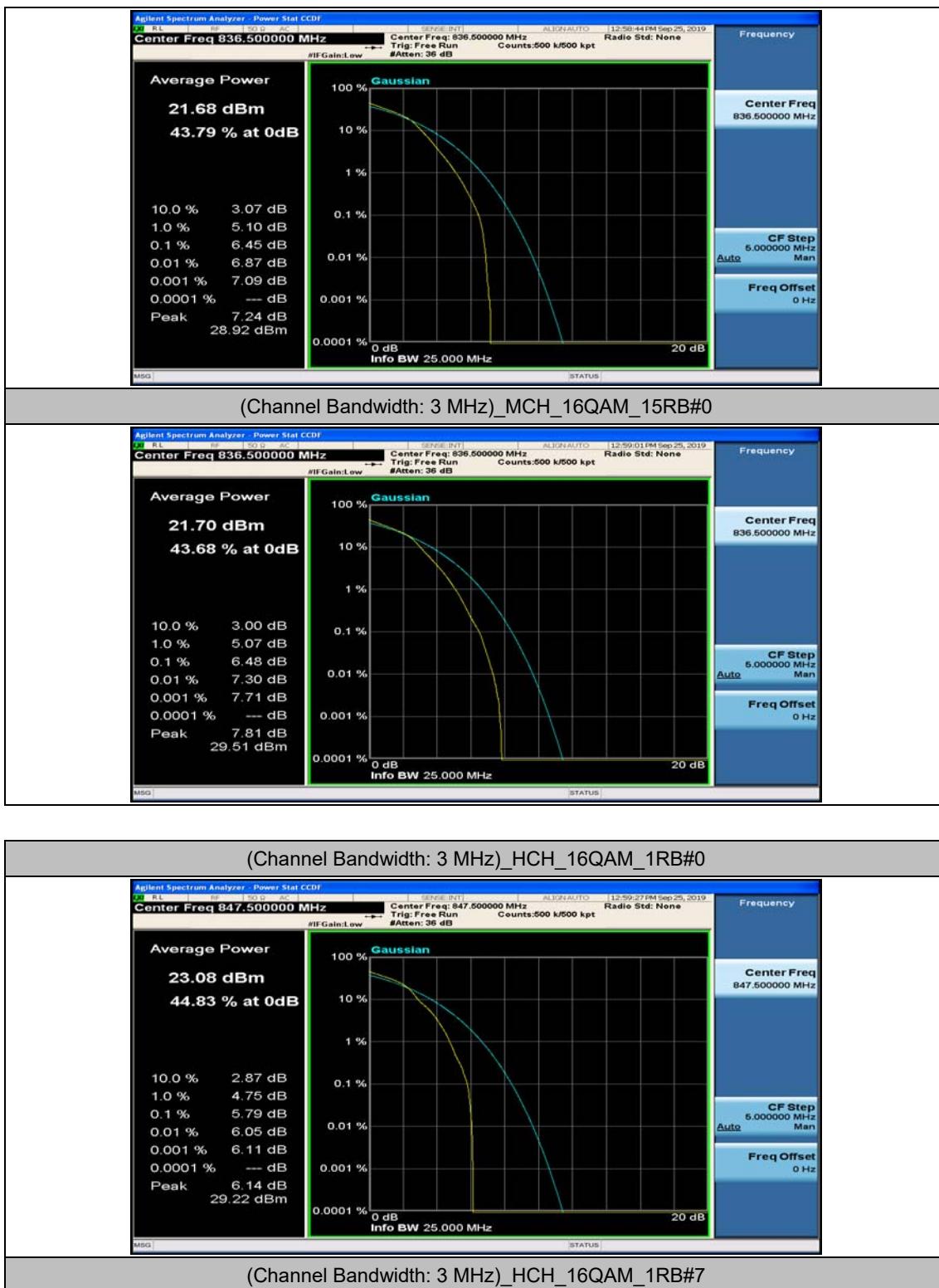


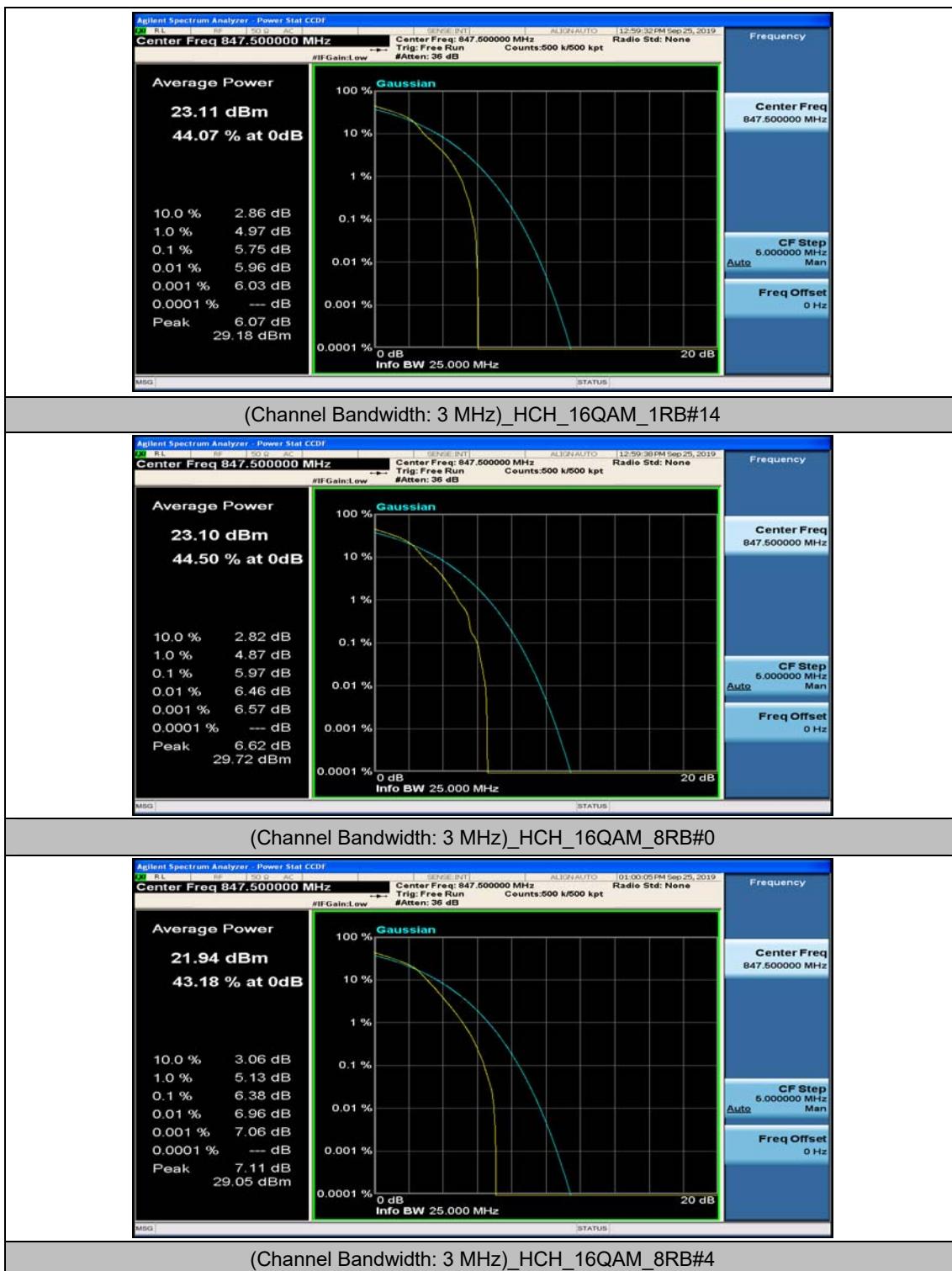


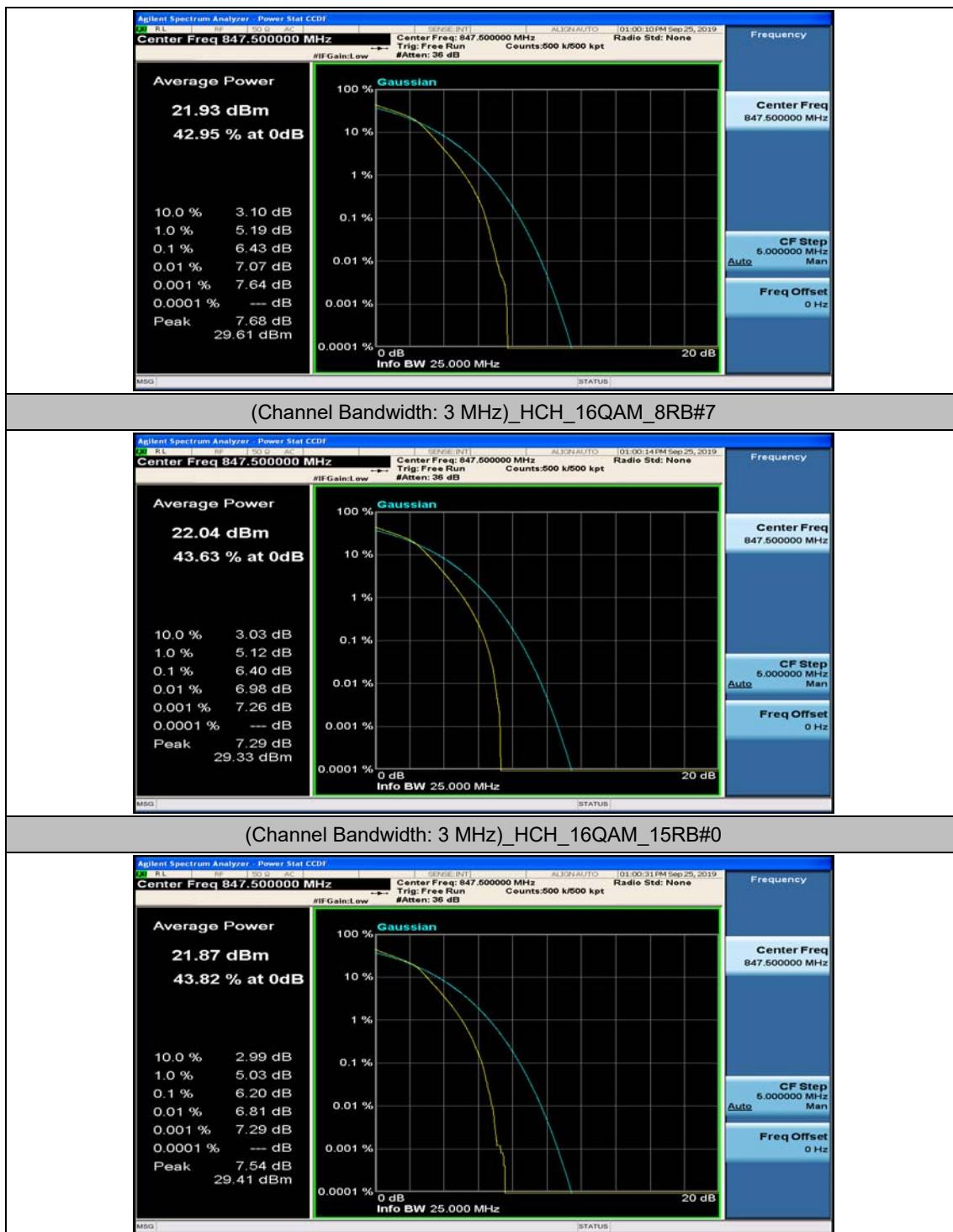


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

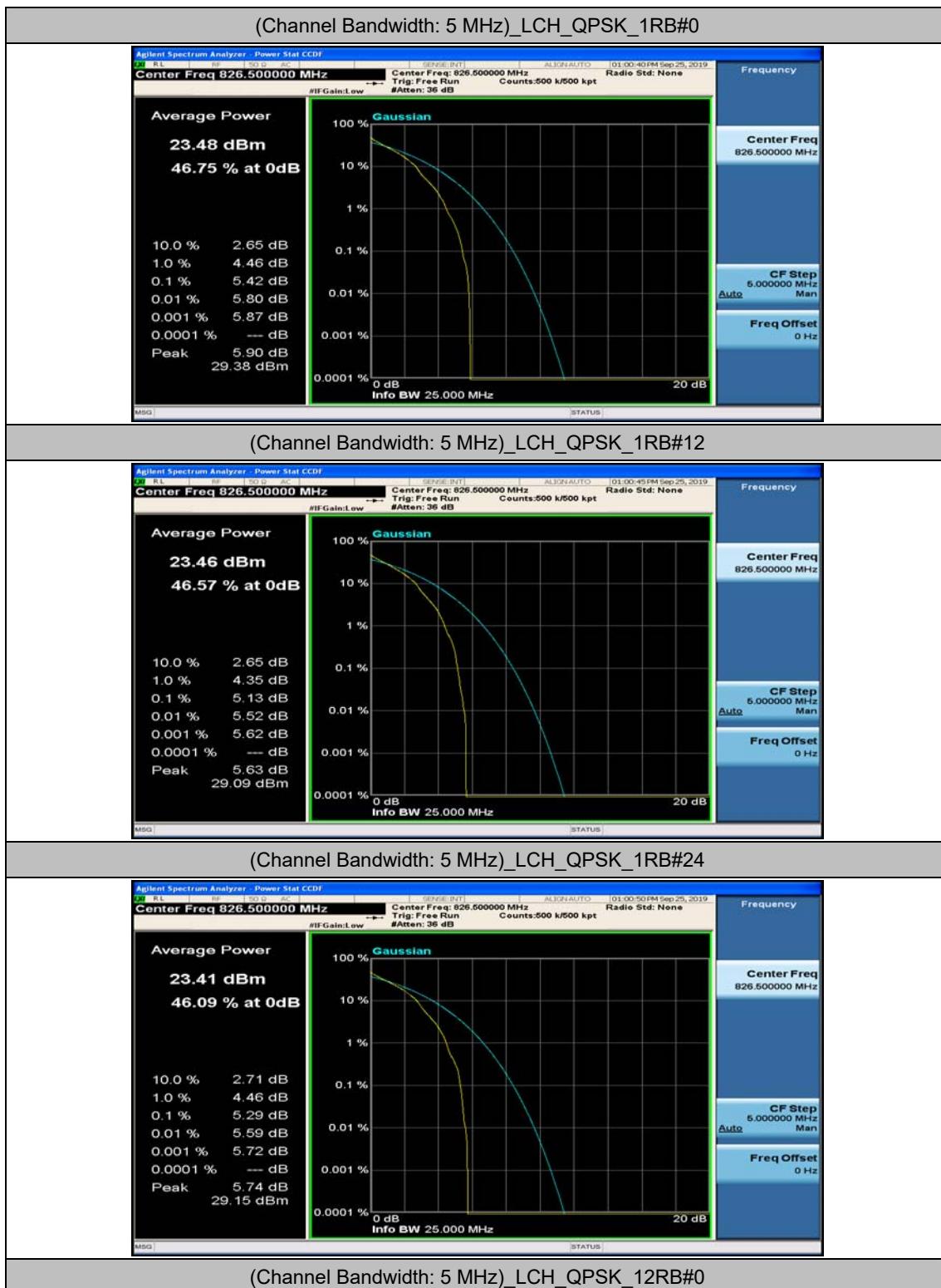


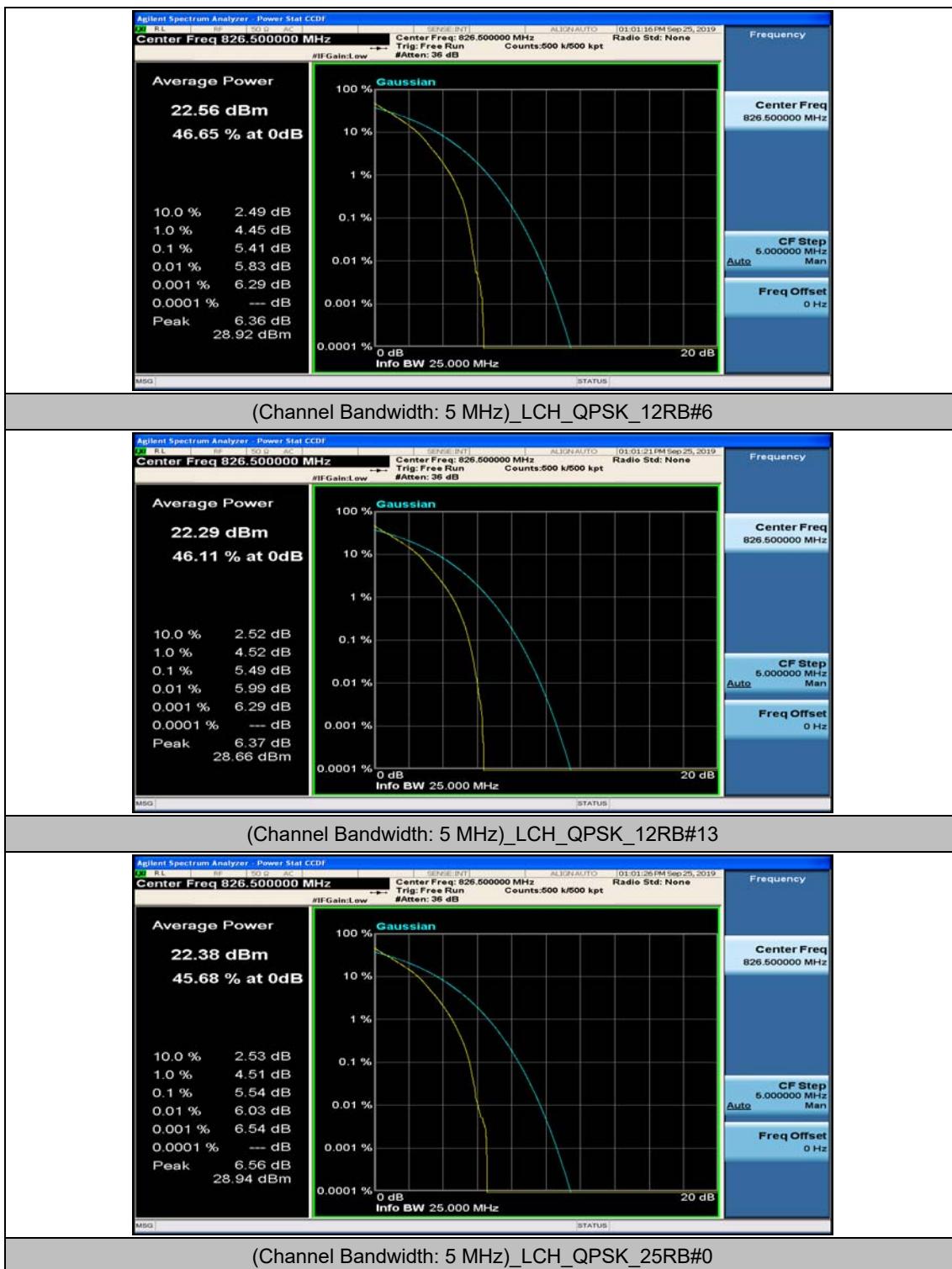


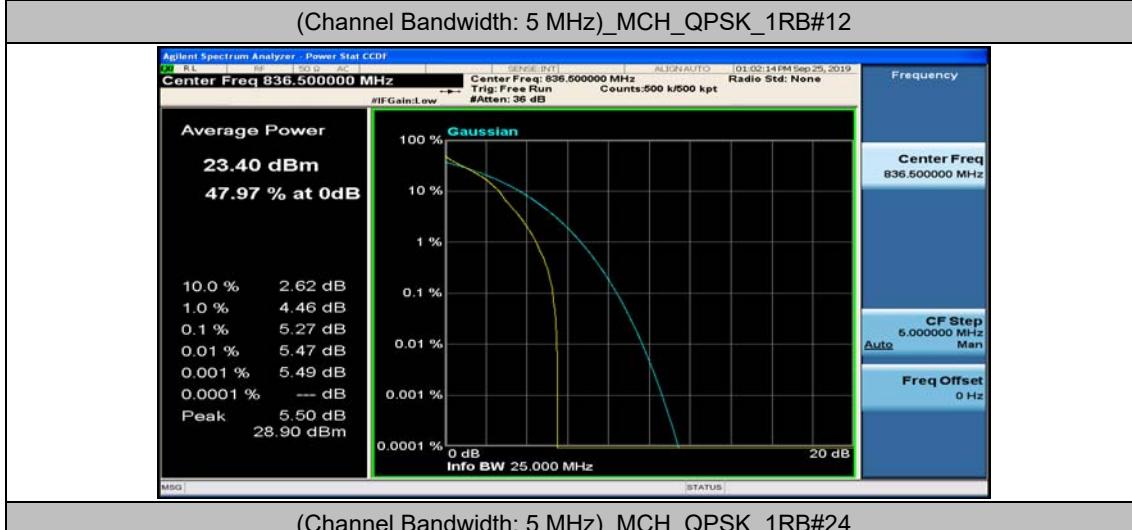
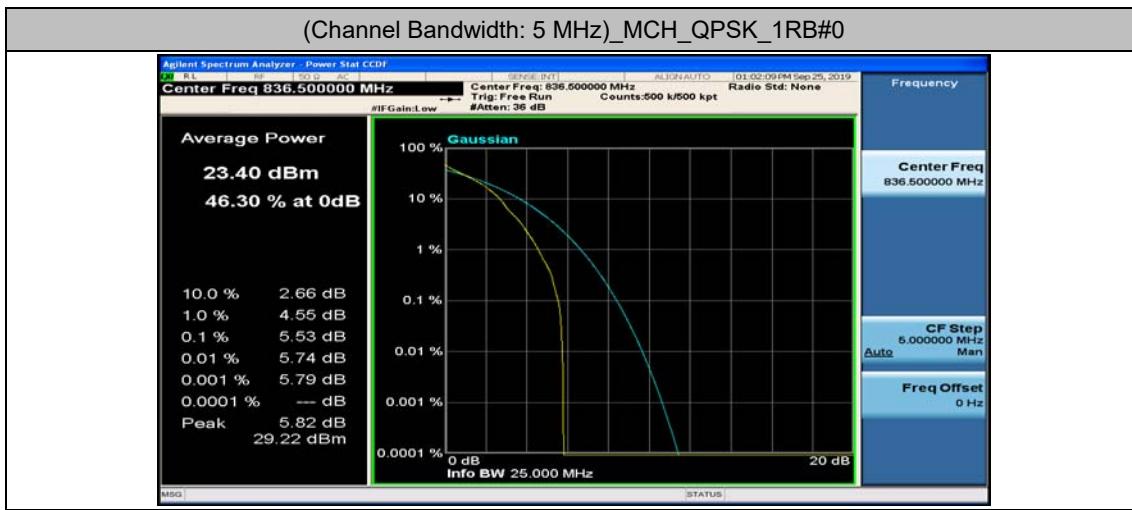
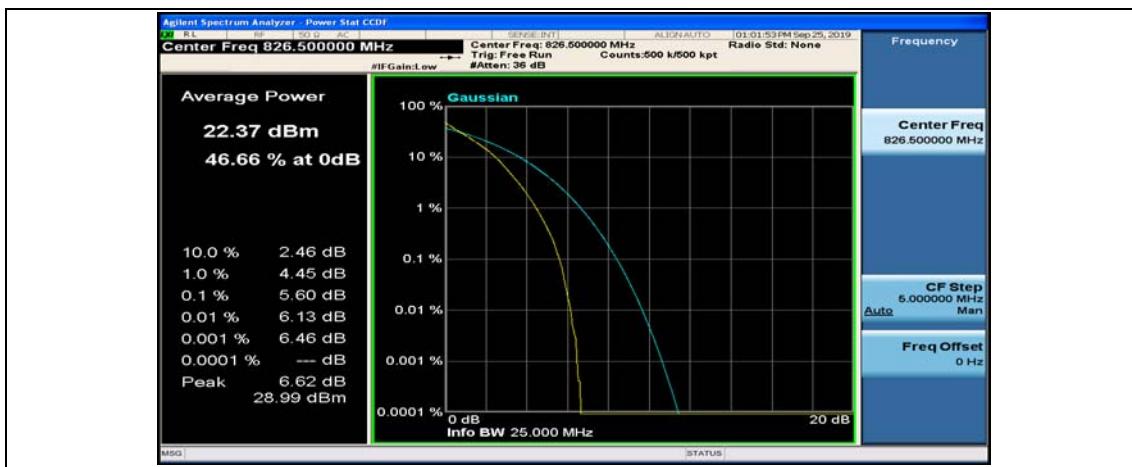




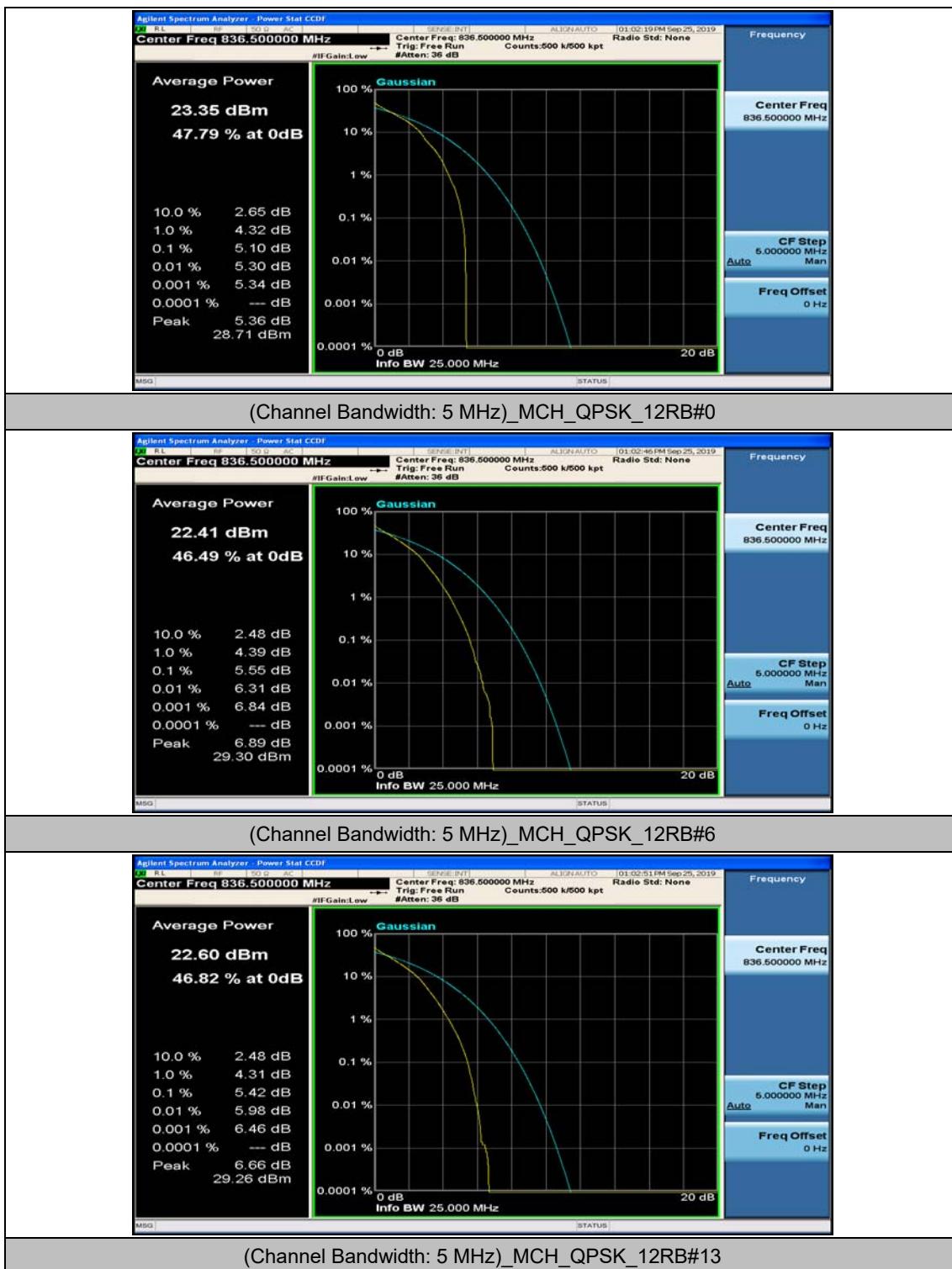
Channel Bandwidth: 5 MHz

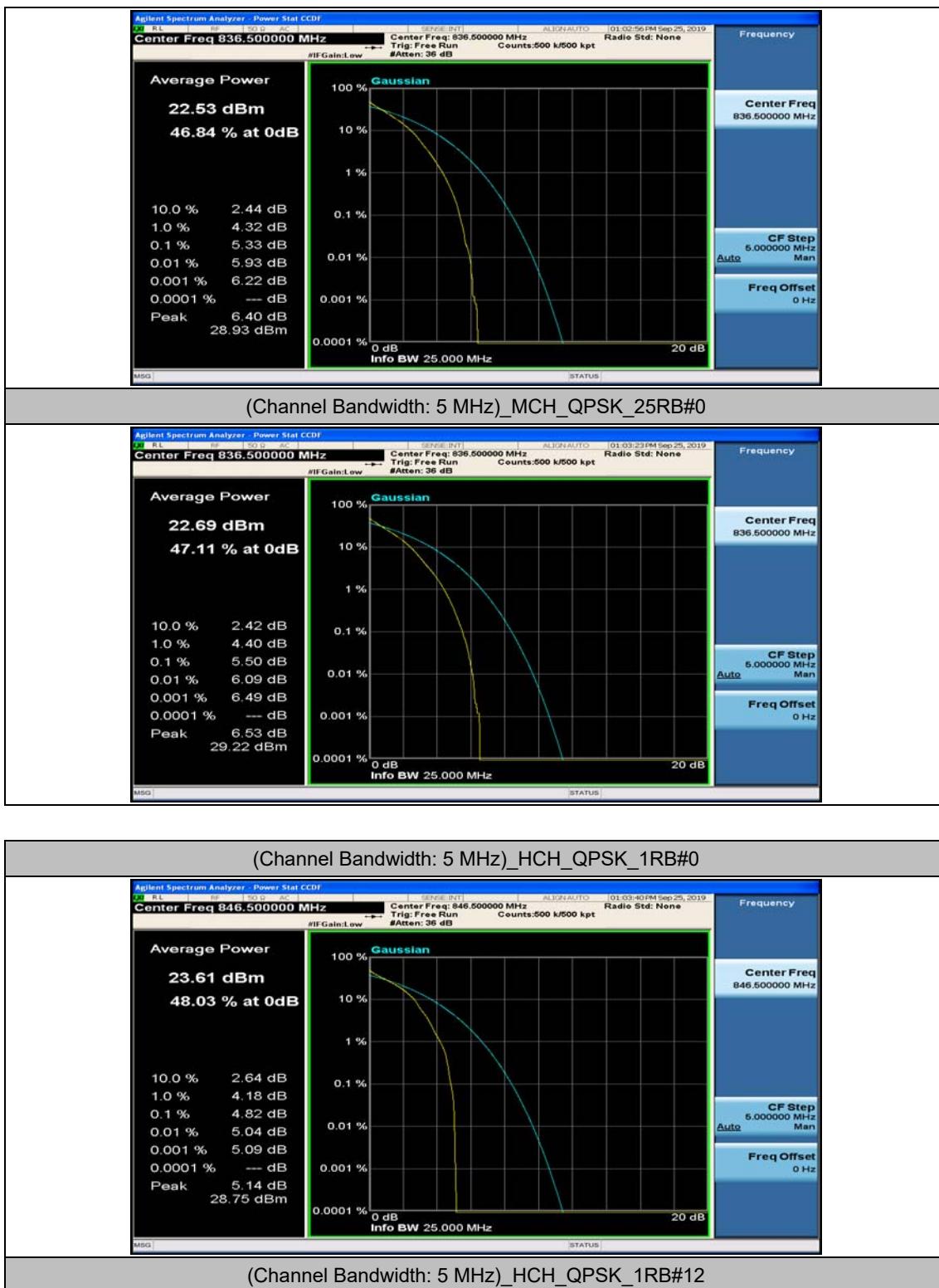


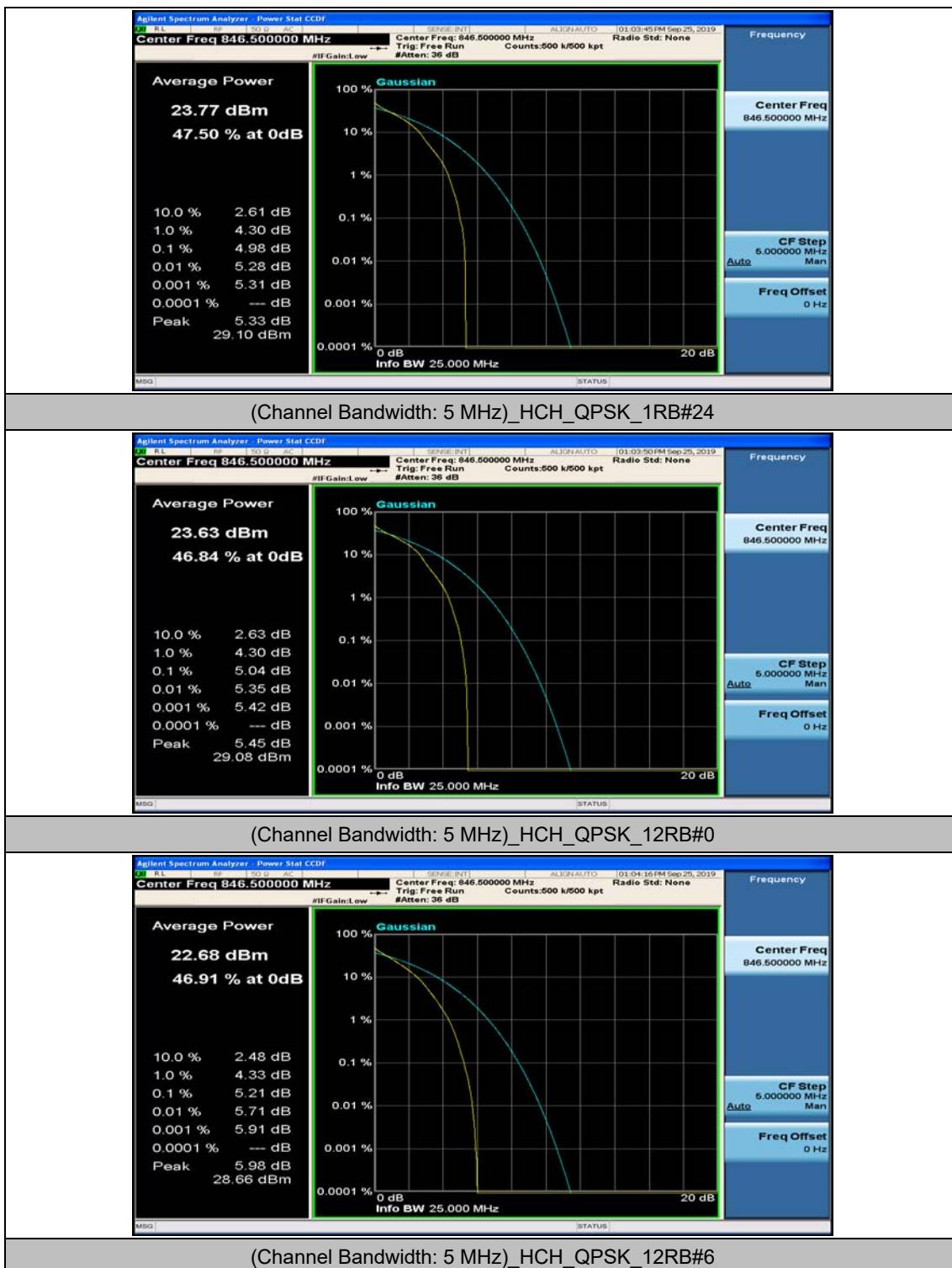


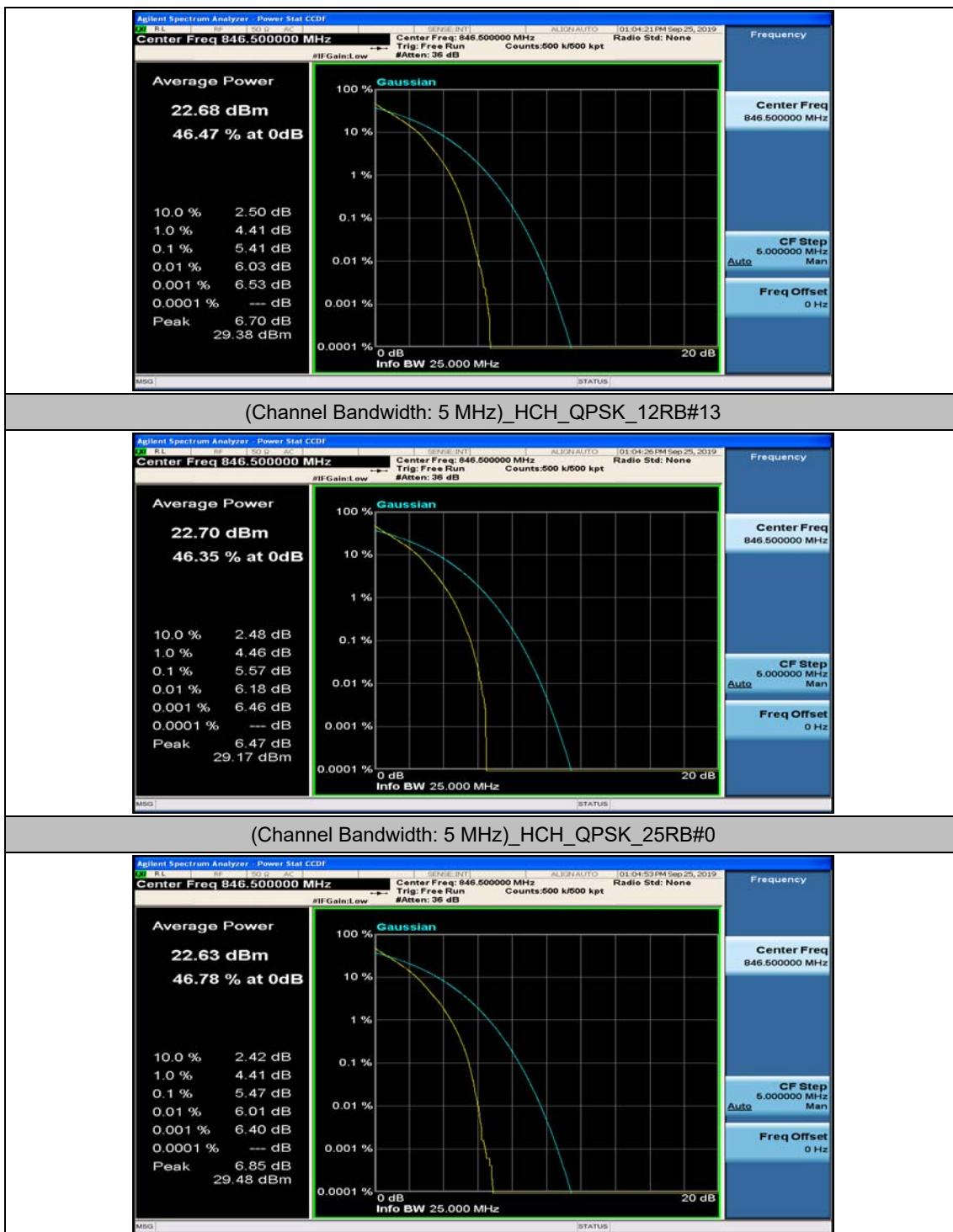


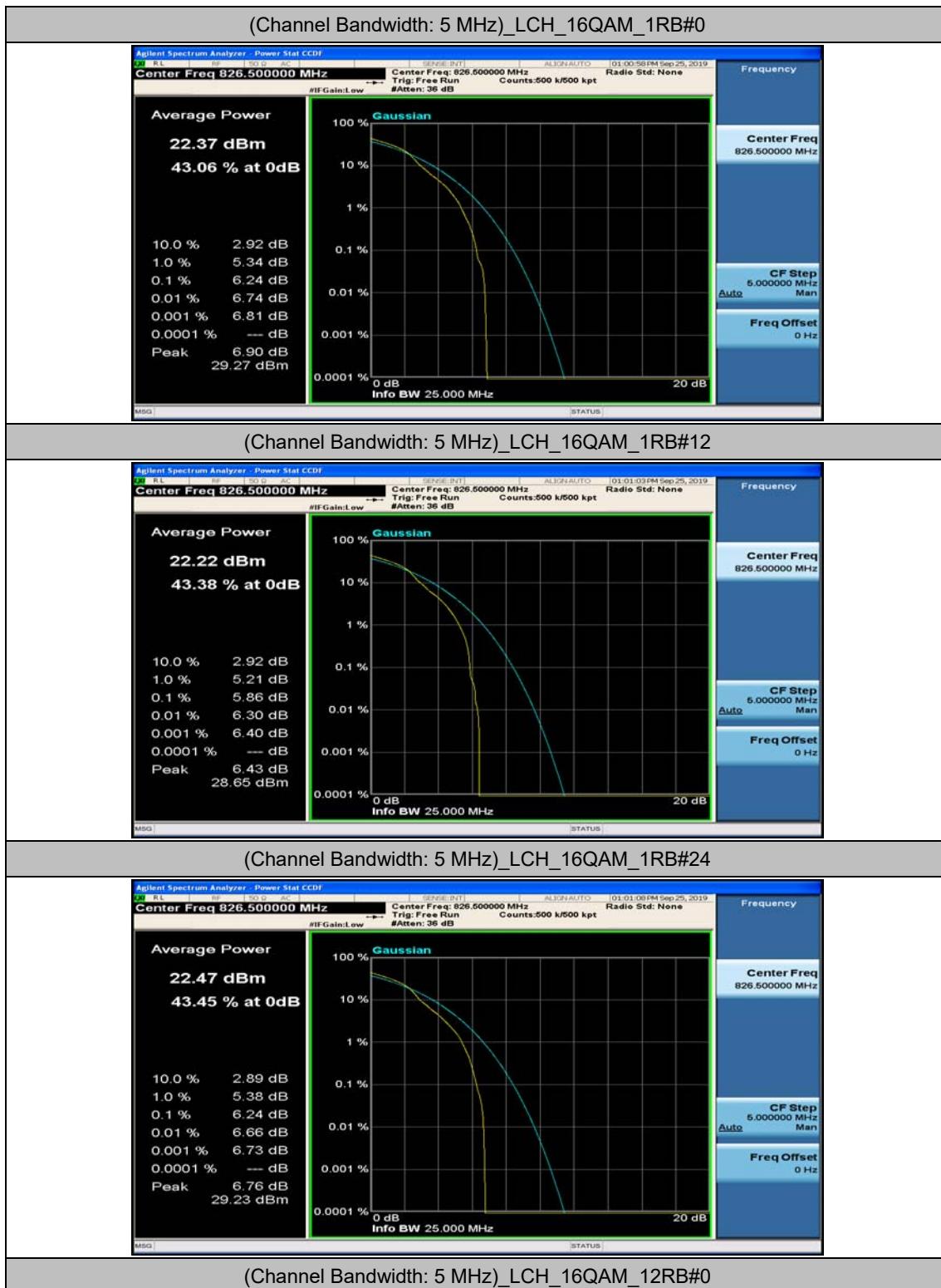
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

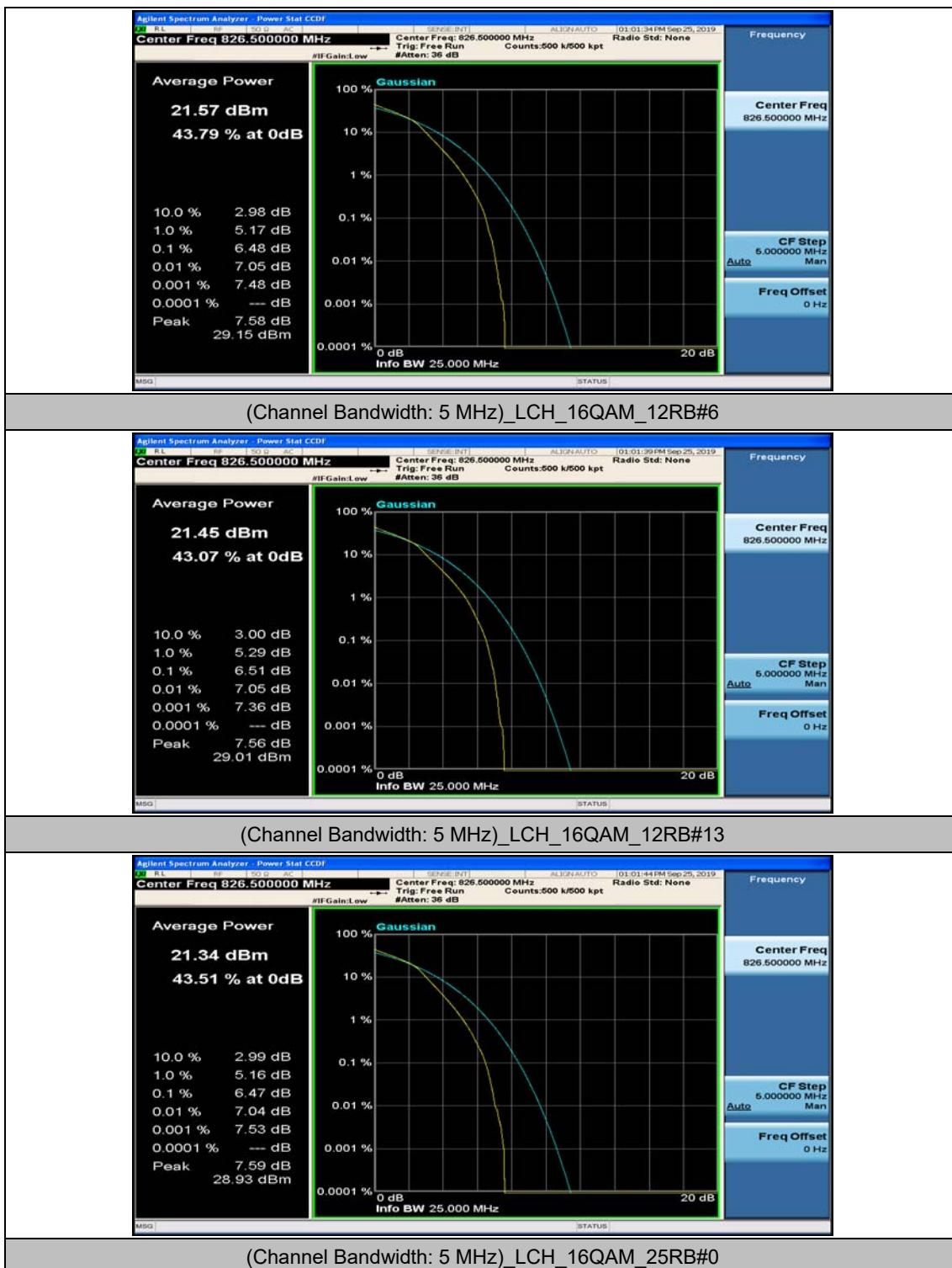


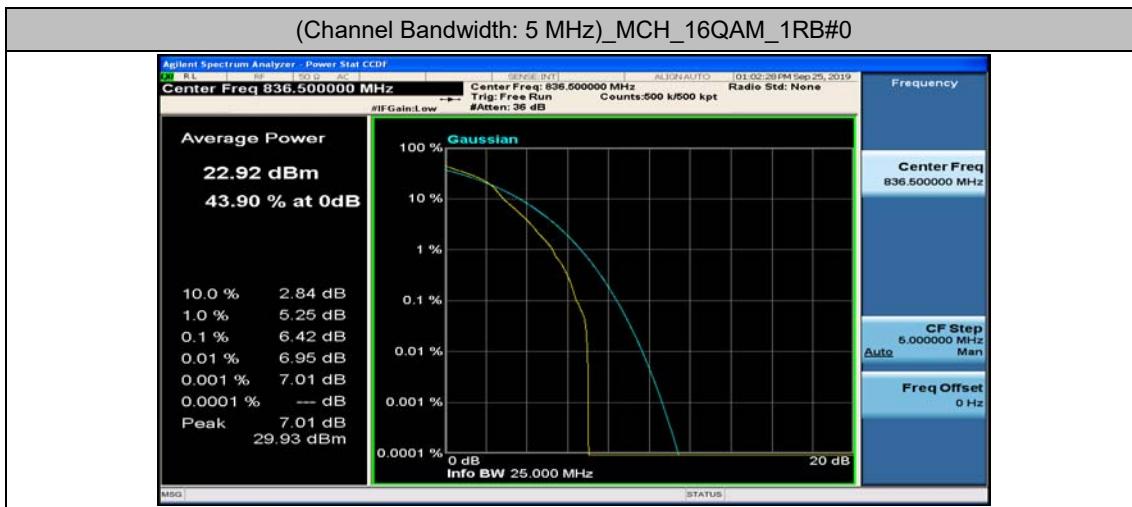
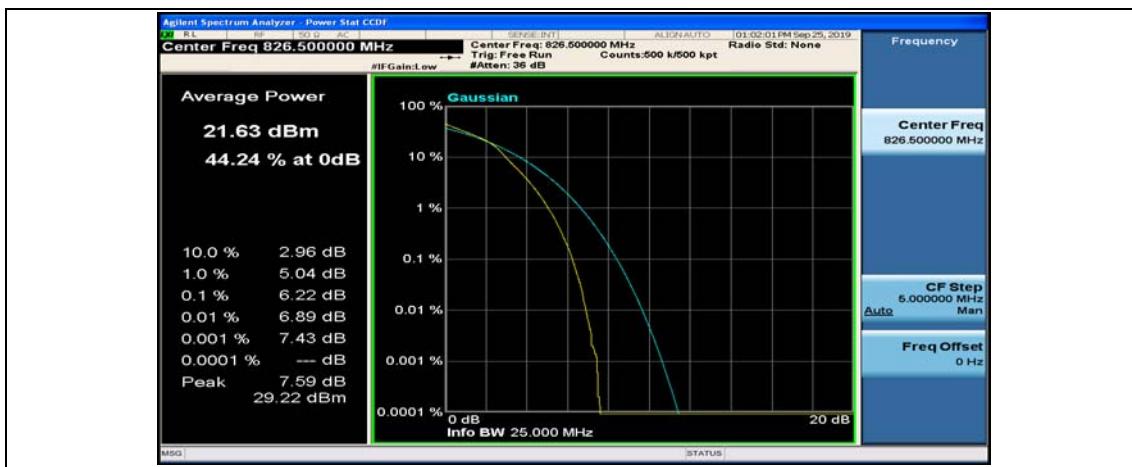




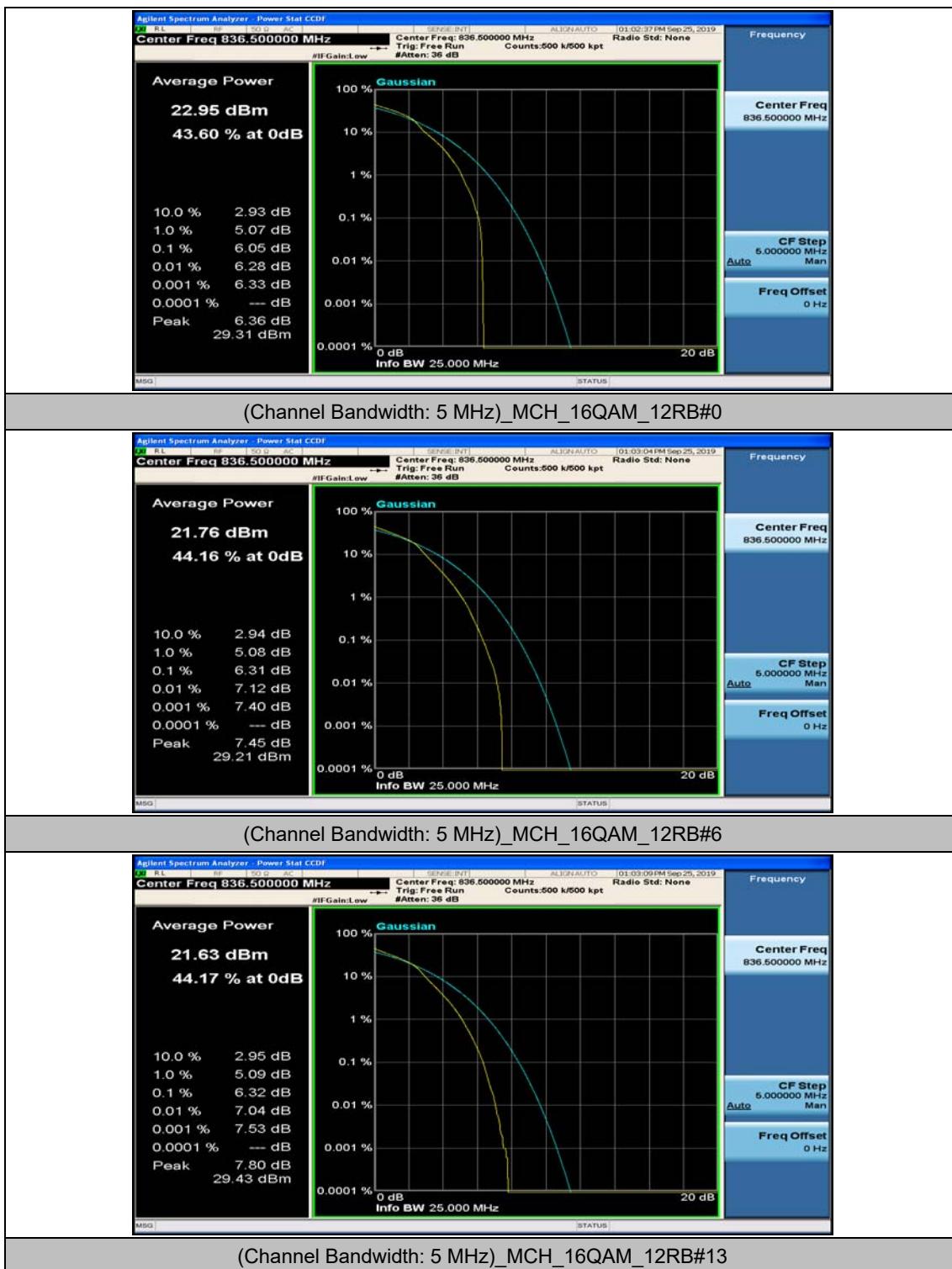


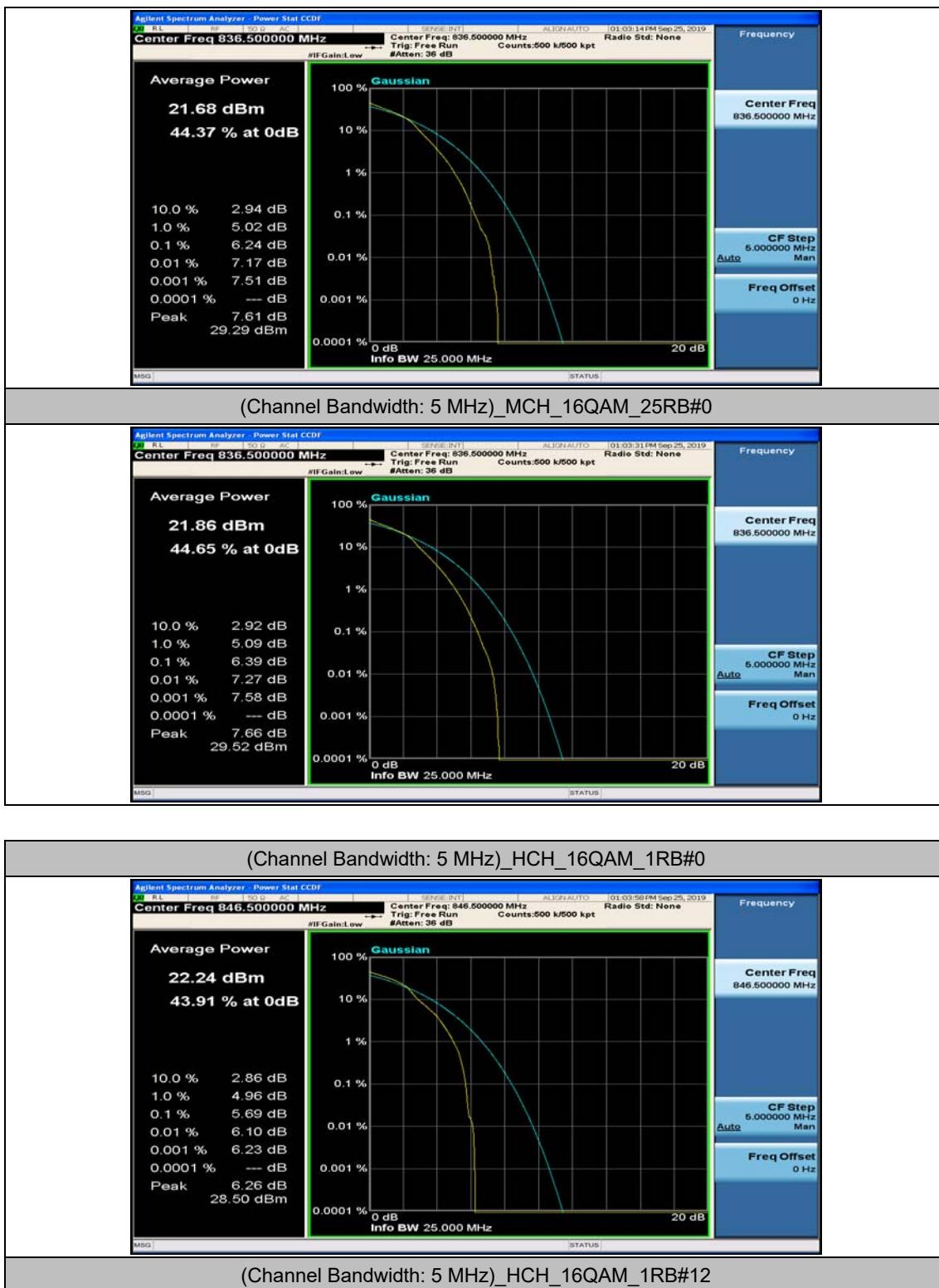


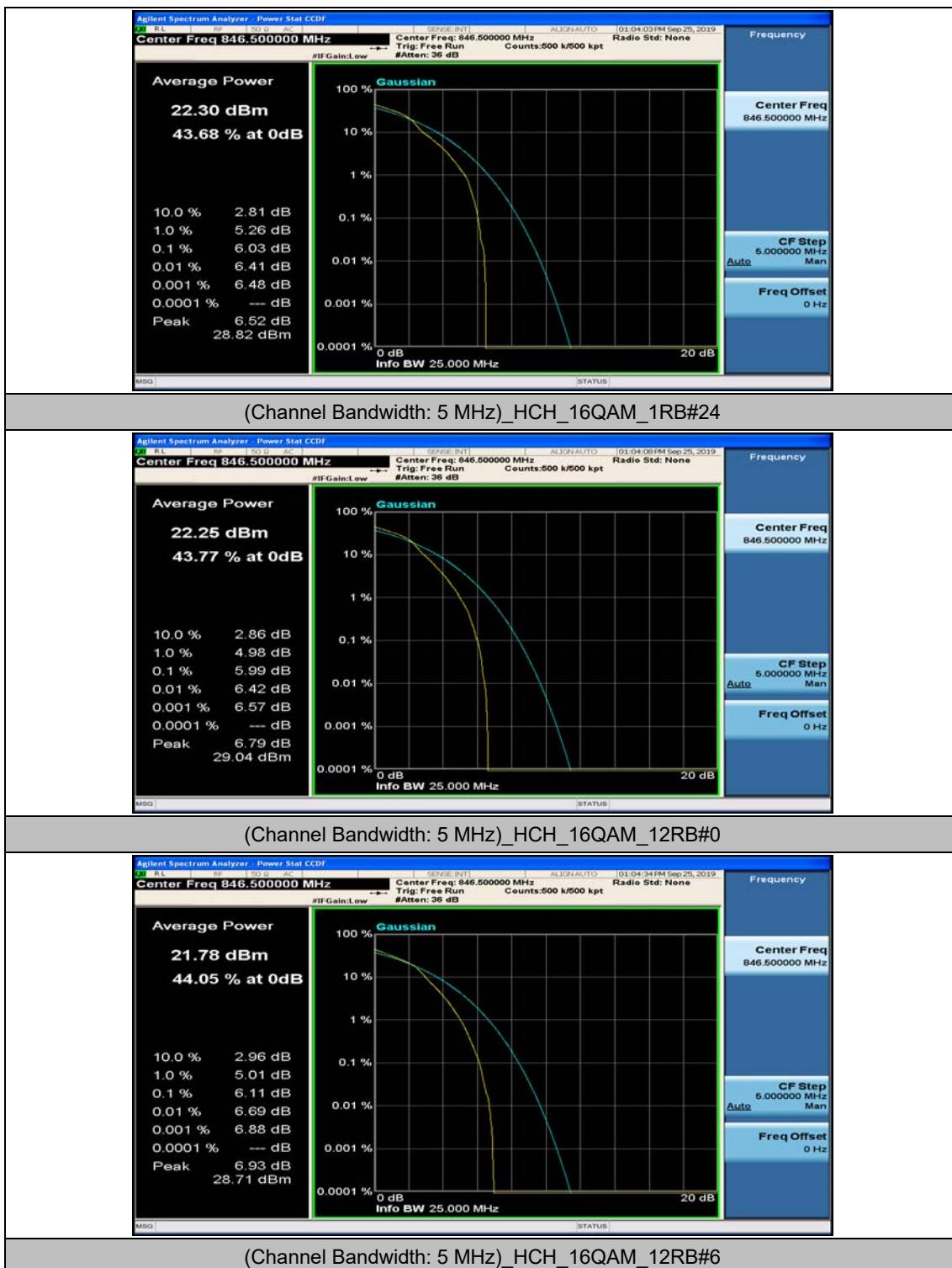


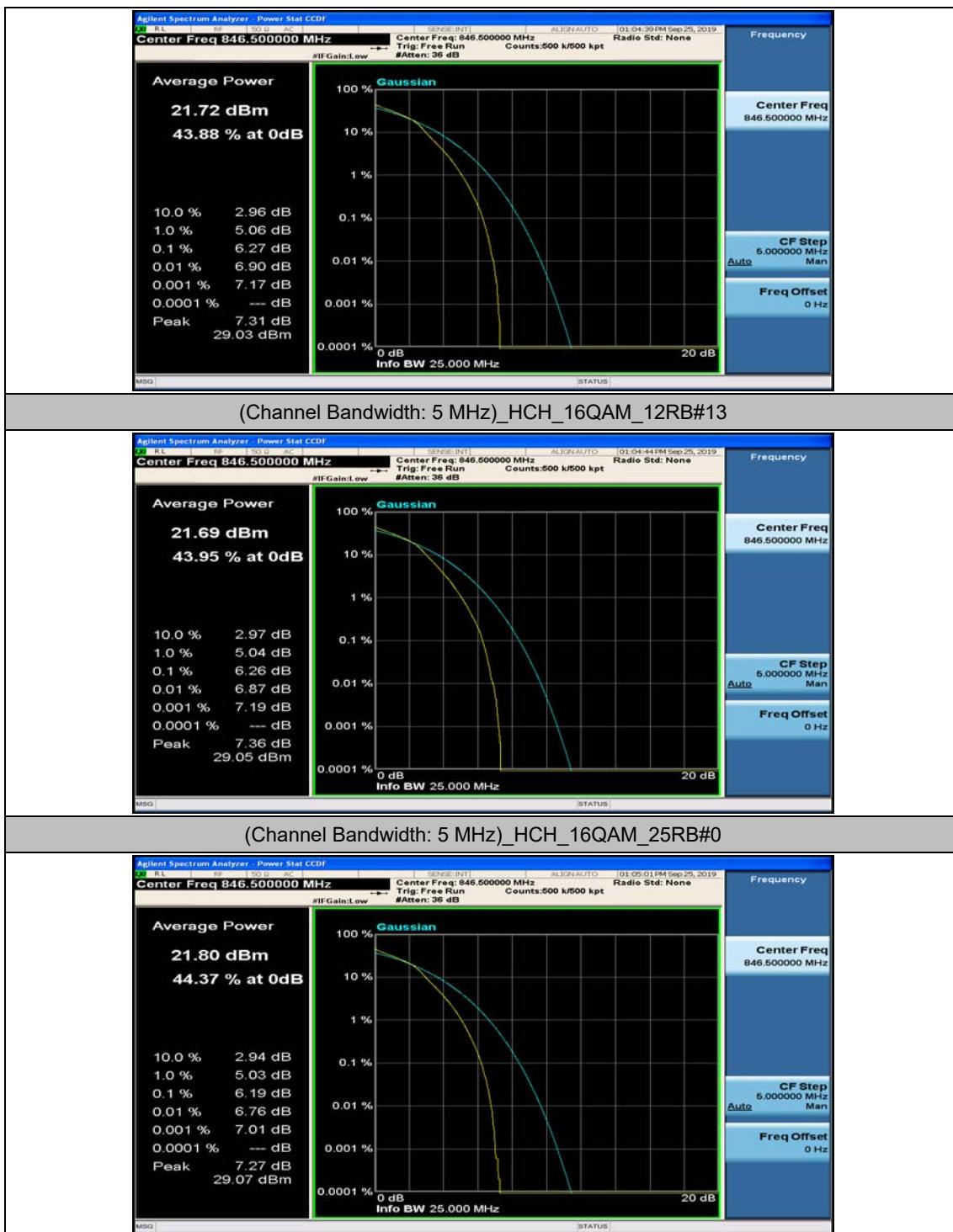


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

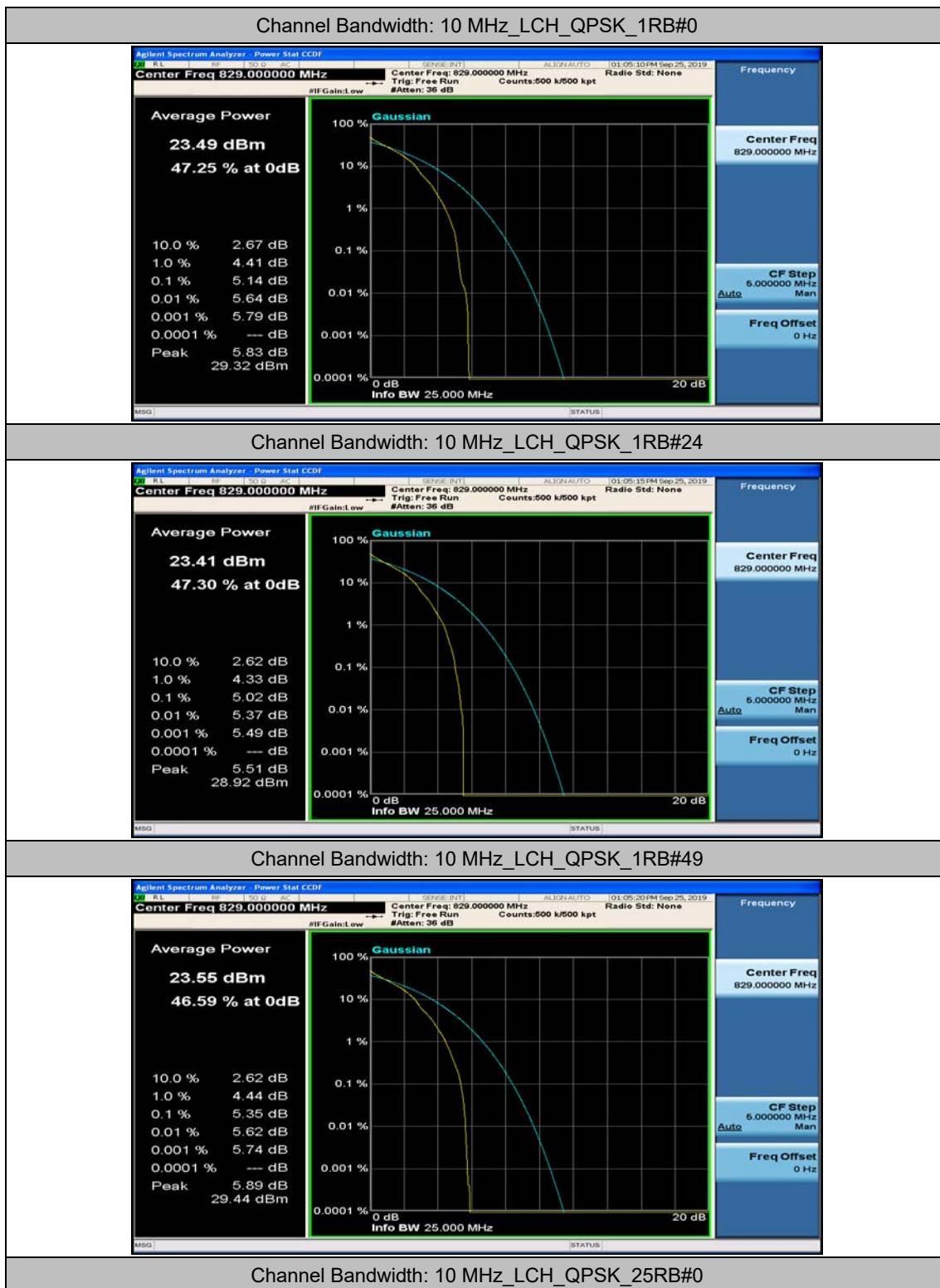


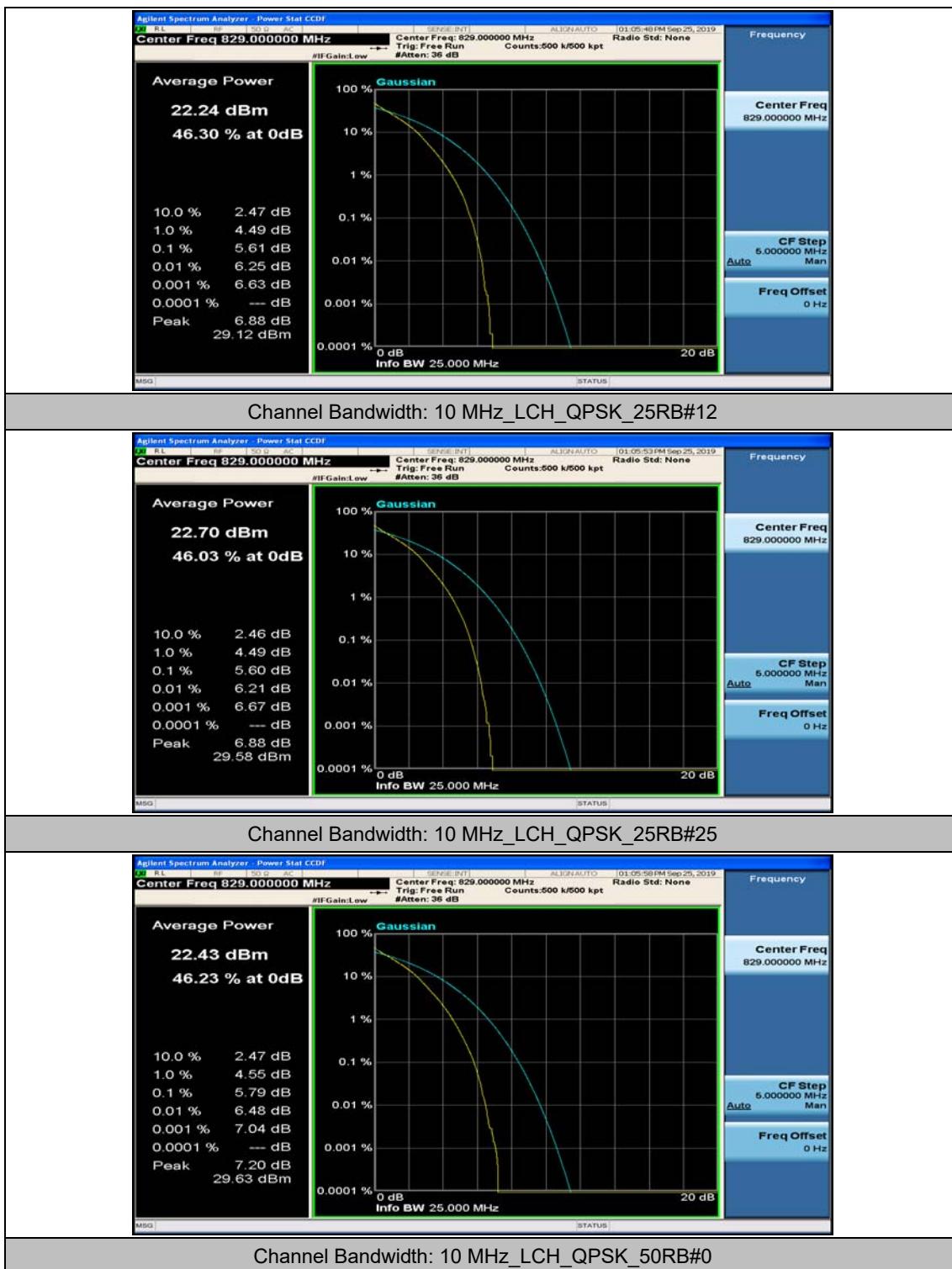


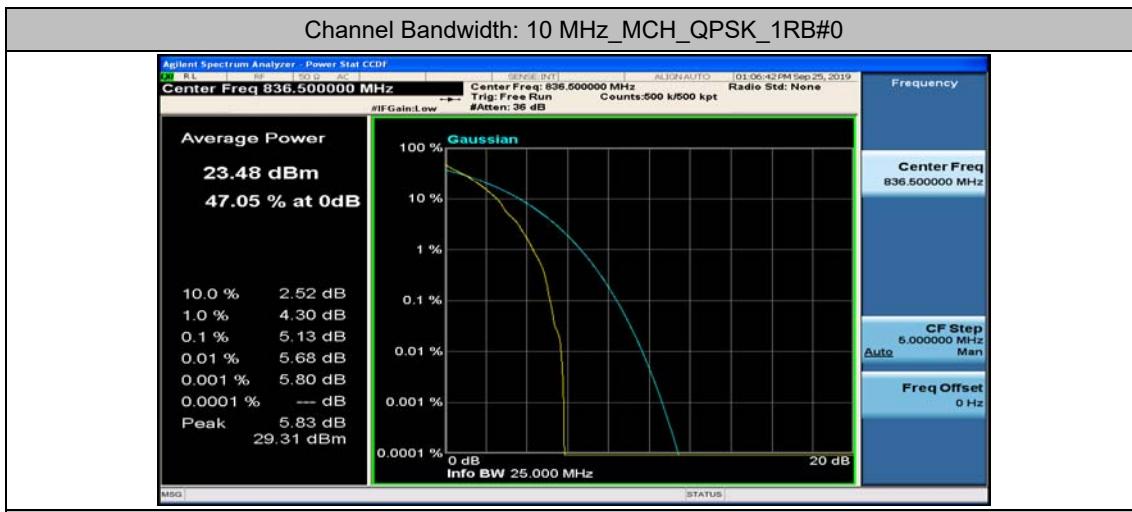
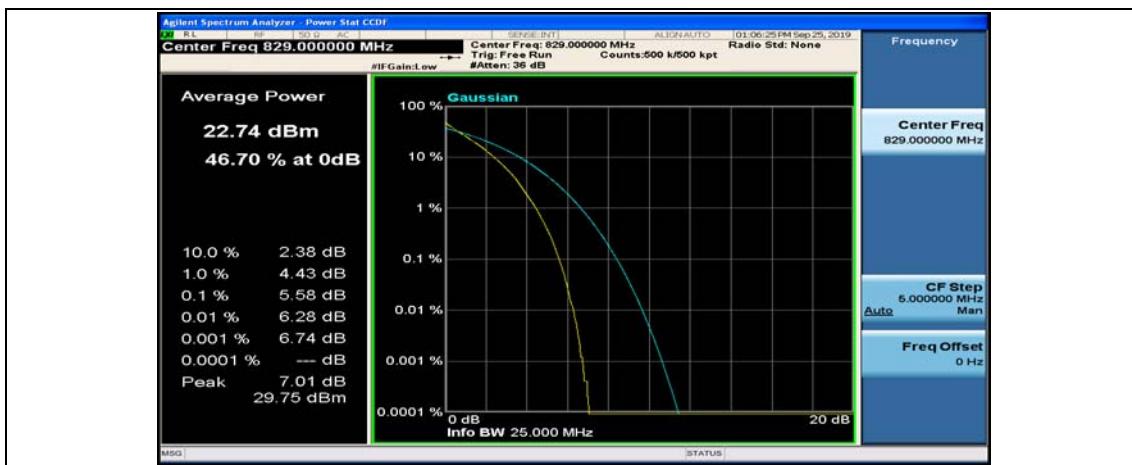




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49