

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	23.18	PASS
		1	3	23.16	PASS
		1	5	23.09	PASS
		3	0	22.07	PASS
		3	2	22.09	PASS
		3	3	22.05	PASS
		6	0	22.16	PASS
	MCH	1	0	22.48	PASS
		1	3	22.57	PASS
		1	5	22.44	PASS
		3	0	22.24	PASS
		3	2	22.29	PASS
		3	3	22.29	PASS
		6	0	21.51	PASS
16QAM	LCH	1	0	22.31	PASS
		1	3	22.48	PASS
		1	5	22.32	PASS
		3	0	22.27	PASS
		3	2	22.11	PASS
		3	3	22.19	PASS
		6	0	21.35	PASS
	MCH	1	0	22.14	PASS
		1	3	22.24	PASS
		1	5	22.13	PASS
		3	0	22.08	PASS
		3	2	22.11	PASS
		3	3	22.04	PASS
		6	0	20.97	PASS

		3	0	21.44	PASS
		3	2	21.45	PASS
		3	3	21.44	PASS
		6	0	20.37	PASS
HCH	HCH	1	0	21.48	PASS
		1	3	21.65	PASS
		1	5	21.53	PASS
		3	0	21.48	PASS
		3	2	21.42	PASS
		3	3	21.42	PASS
		6	0	21.29	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.14	PASS
		1	7	23.31	PASS
		1	14	23.05	PASS
		8	0	22.13	PASS
		8	4	22.16	PASS
		8	7	22.1	PASS
		15	0	22.07	PASS
	MCH	1	0	22.61	PASS
		1	7	22.78	PASS
		1	14	22.53	PASS
		8	0	21.57	PASS
		8	4	21.58	PASS
		8	7	21.53	PASS
		15	0	21.48	PASS
	HCH	1	0	22.39	PASS
		1	7	22.6	PASS
		1	14	22.39	PASS
		8	0	21.38	PASS
		8	4	21.45	PASS
		8	7	21.41	PASS
		15	0	21.38	PASS
16QAM	LCH	1	0	22.24	PASS
		1	7	22.41	PASS
		1	14	22.21	PASS
		8	0	21.09	PASS
		8	4	21.1	PASS
		8	7	21.01	PASS

		15	0	20.94	PASS
MCH		1	0	21.88	PASS
		1	7	22.02	PASS
		1	14	21.8	PASS
		8	0	20.47	PASS
		8	4	20.47	PASS
		8	7	20.43	PASS
		15	0	20.45	PASS
HCH		1	0	21.63	PASS
		1	7	21.82	PASS
		1	14	21.63	PASS
		8	0	20.39	PASS
		8	4	20.46	PASS
		8	7	20.4	PASS
		15	0	20.32	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.15	PASS
		1	12	23.31	PASS
		1	24	22.9	PASS
		12	0	22.01	PASS
		12	6	22.05	PASS
		12	13	21.93	PASS
		25	0	21.97	PASS
	MCH	1	0	22.62	PASS
		1	12	22.86	PASS
		1	24	22.41	PASS
		12	0	21.5	PASS
		12	6	21.56	PASS
		12	13	21.48	PASS
		25	0	21.53	PASS
	HCH	1	0	22.44	PASS
		1	12	22.7	PASS
		1	24	22.38	PASS
		12	0	21.44	PASS
		12	6	21.42	PASS
		12	13	21.39	PASS
		25	0	21.4	PASS
16QAM	LCH	1	0	22.22	PASS
		1	12	22.37	PASS

		1	24	22.08	PASS
		12	0	21.02	PASS
		12	6	21.02	PASS
		12	13	20.94	PASS
		25	0	20.92	PASS
	MCH	1	0	21.76	PASS
		1	12	21.96	PASS
		1	24	21.59	PASS
		12	0	20.56	PASS
		12	6	20.63	PASS
		12	13	20.56	PASS
		25	0	20.47	PASS
	HCH	1	0	21.67	PASS
		1	12	21.88	PASS
		1	24	21.57	PASS
		12	0	20.43	PASS
		12	6	20.48	PASS
		12	13	20.38	PASS
		25	0	20.37	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.32	PASS
		1	24	23.08	PASS
		1	49	23.09	PASS
		25	0	22.28	PASS
		25	12	22.31	PASS
		25	25	22.26	PASS
		50	0	22.29	PASS
	MCH	1	0	22.75	PASS
		1	24	22.54	PASS
		1	49	22.34	PASS
		25	0	21.64	PASS
		25	12	21.59	PASS
		25	25	21.54	PASS
		50	0	21.51	PASS
	HCH	1	0	22.44	PASS
		1	24	22.59	PASS
		1	49	22.37	PASS
		25	0	21.47	PASS
		25	12	21.25	PASS

		25	25	21.33	PASS
		50	0	21.37	PASS
16QAM	LCH	1	0	22.25	PASS
		1	24	22.29	PASS
		1	49	21.89	PASS
		25	0	21.05	PASS
		25	12	20.95	PASS
		25	25	20.85	PASS
		50	0	20.89	PASS
	MCH	1	0	21.88	PASS
		1	24	21.93	PASS
		1	49	21.67	PASS
		25	0	20.57	PASS
		25	12	20.54	PASS
		25	25	20.57	PASS
		50	0	20.57	PASS
	HCH	1	0	21.7	PASS
		1	24	21.77	PASS
		1	49	21.4	PASS
		25	0	20.6	PASS
		25	12	20.34	PASS
		25	25	20.69	PASS
		50	0	20.49	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	4.74	<13	PASS
		1	3	4.66	<13	PASS
		1	5	4.8	<13	PASS
		3	0	4.8	<13	PASS
		3	2	4.92	<13	PASS
		3	3	4.85	<13	PASS
		6	0	5.32	<13	PASS
	MCH	1	0	4.46	<13	PASS
		1	3	4.29	<13	PASS
		1	5	4.46	<13	PASS
		3	0	4.58	<13	PASS
		3	2	4.6	<13	PASS
		3	3	4.71	<13	PASS
		6	0	5.01	<13	PASS
16QAM	LCH	1	0	4.17	<13	PASS
		1	3	4.21	<13	PASS
		1	5	4.27	<13	PASS
		3	0	4.37	<13	PASS
		3	2	4.5	<13	PASS
		3	3	4.5	<13	PASS
		6	0	5	<13	PASS
	MCH	1	0	5.51	<13	PASS
		1	3	5.63	<13	PASS
		1	5	5.7	<13	PASS
		3	0	5.58	<13	PASS
		3	2	5.84	<13	PASS
		3	3	5.9	<13	PASS
		6	0	6.21	<13	PASS

		3	2	5.67	<13	PASS
		3	3	5.68	<13	PASS
		6	0	6.02	<13	PASS
HCH		1	0	5.19	<13	PASS
		1	3	5.12	<13	PASS
		1	5	5.26	<13	PASS
		3	0	5.44	<13	PASS
		3	2	5.47	<13	PASS
		3	3	5.47	<13	PASS
		6	0	5.88	<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	4.5	<13	PASS
		1	7	4.57	<13	PASS
		1	14	4.66	<13	PASS
		8	0	5.2	<13	PASS
		8	4	5.29	<13	PASS
		8	7	5.46	<13	PASS
		15	0	5.32	<13	PASS
	MCH	1	0	4.3	<13	PASS
		1	7	4.47	<13	PASS
		1	14	4.61	<13	PASS
		8	0	5.05	<13	PASS
		8	4	5.18	<13	PASS
		8	7	5.27	<13	PASS
		15	0	5.2	<13	PASS
	HCH	1	0	4.08	<13	PASS
		1	7	4.04	<13	PASS
		1	14	4.35	<13	PASS
		8	0	4.89	<13	PASS
		8	4	4.86	<13	PASS
		8	7	4.91	<13	PASS
		15	0	4.93	<13	PASS
16QAM	LCH	1	0	5.49	<13	PASS
		1	7	5.57	<13	PASS
		1	14	5.69	<13	PASS
		8	0	6	<13	PASS
		8	4	6.06	<13	PASS

		8	7	6.23	<13	PASS
		15	0	6.34	<13	PASS
MCH		1	0	5.18	<13	PASS
		1	7	5.27	<13	PASS
		1	14	5.53	<13	PASS
		8	0	5.78	<13	PASS
		8	4	5.82	<13	PASS
		8	7	5.98	<13	PASS
		15	0	5.99	<13	PASS
HCH		1	0	5.06	<13	PASS
		1	7	5.16	<13	PASS
		1	14	5.15	<13	PASS
		8	0	5.61	<13	PASS
		8	4	5.64	<13	PASS
		8	7	5.74	<13	PASS
		15	0	5.8	<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	4.86	<13	PASS
		1	12	4.86	<13	PASS
		1	24	4.95	<13	PASS
		12	0	5.41	<13	PASS
		12	6	5.4	<13	PASS
		12	13	5.45	<13	PASS
		25	0	5.34	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	12	4.54	<13	PASS
		1	24	4.87	<13	PASS
		12	0	4.98	<13	PASS
		12	6	5.02	<13	PASS
		12	13	5.21	<13	PASS
		25	0	5.1	<13	PASS
	HCH	1	0	4.58	<13	PASS
		1	12	4.14	<13	PASS
		1	24	4.44	<13	PASS
		12	0	5.03	<13	PASS
		12	6	4.92	<13	PASS
		12	13	4.97	<13	PASS

		25	0	4.98	<13	PASS
16QAM	LCH	1	0	5.69	<13	PASS
		1	12	5.76	<13	PASS
		1	24	5.73	<13	PASS
		12	0	6.29	<13	PASS
		12	6	6.33	<13	PASS
		12	13	6.24	<13	PASS
		25	0	6.16	<13	PASS
	MCH	1	0	5.38	<13	PASS
		1	12	5.56	<13	PASS
		1	24	6.14	<13	PASS
		12	0	5.83	<13	PASS
		12	6	5.93	<13	PASS
		12	13	6.09	<13	PASS
		25	0	6.08	<13	PASS
	HCH	1	0	5.44	<13	PASS
		1	12	4.82	<13	PASS
		1	24	5.32	<13	PASS
		12	0	5.92	<13	PASS
		12	6	5.79	<13	PASS
		12	13	5.84	<13	PASS
		25	0	5.79	<13	PASS

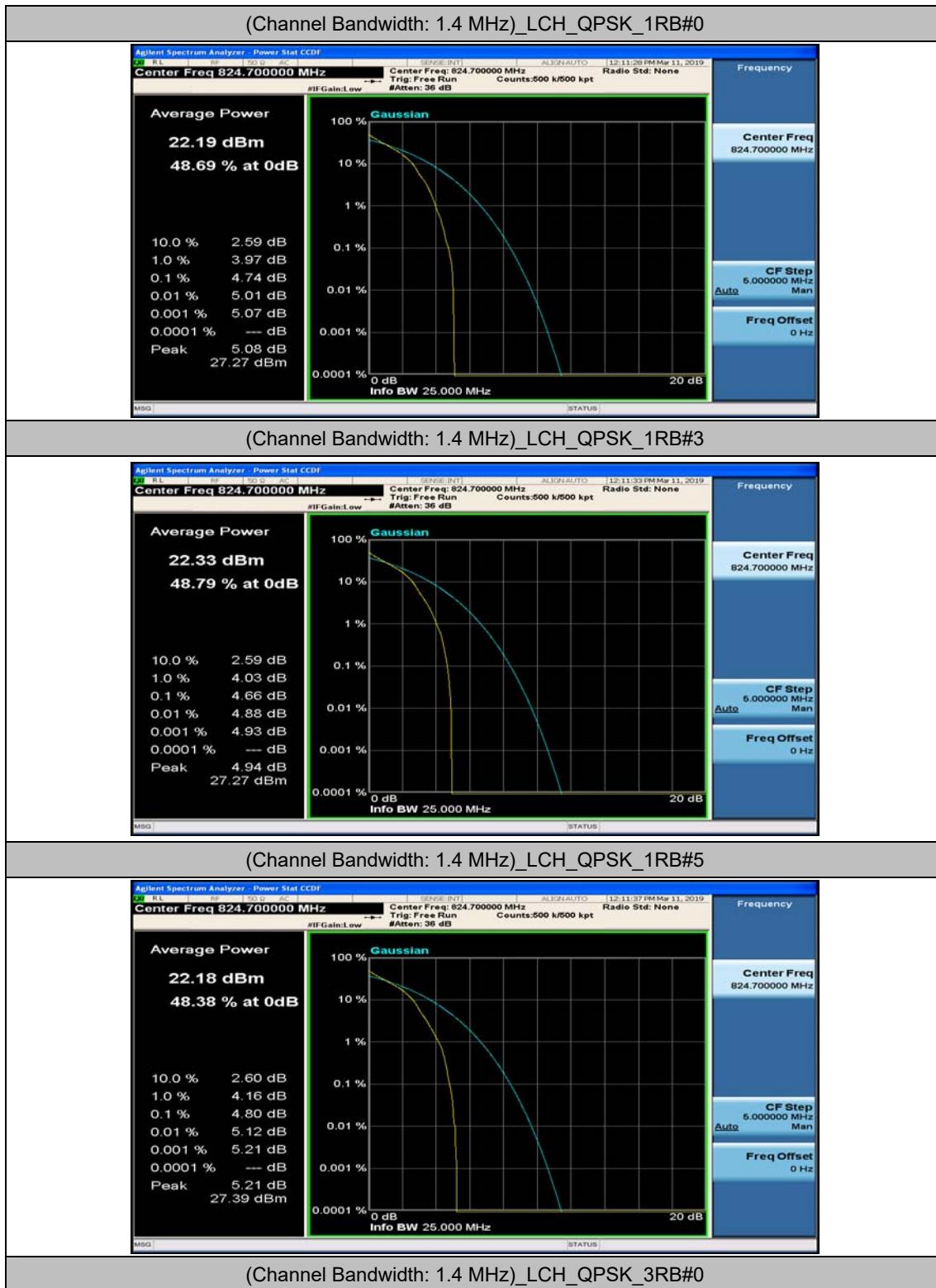
Channel Bandwidth: 10 MHz

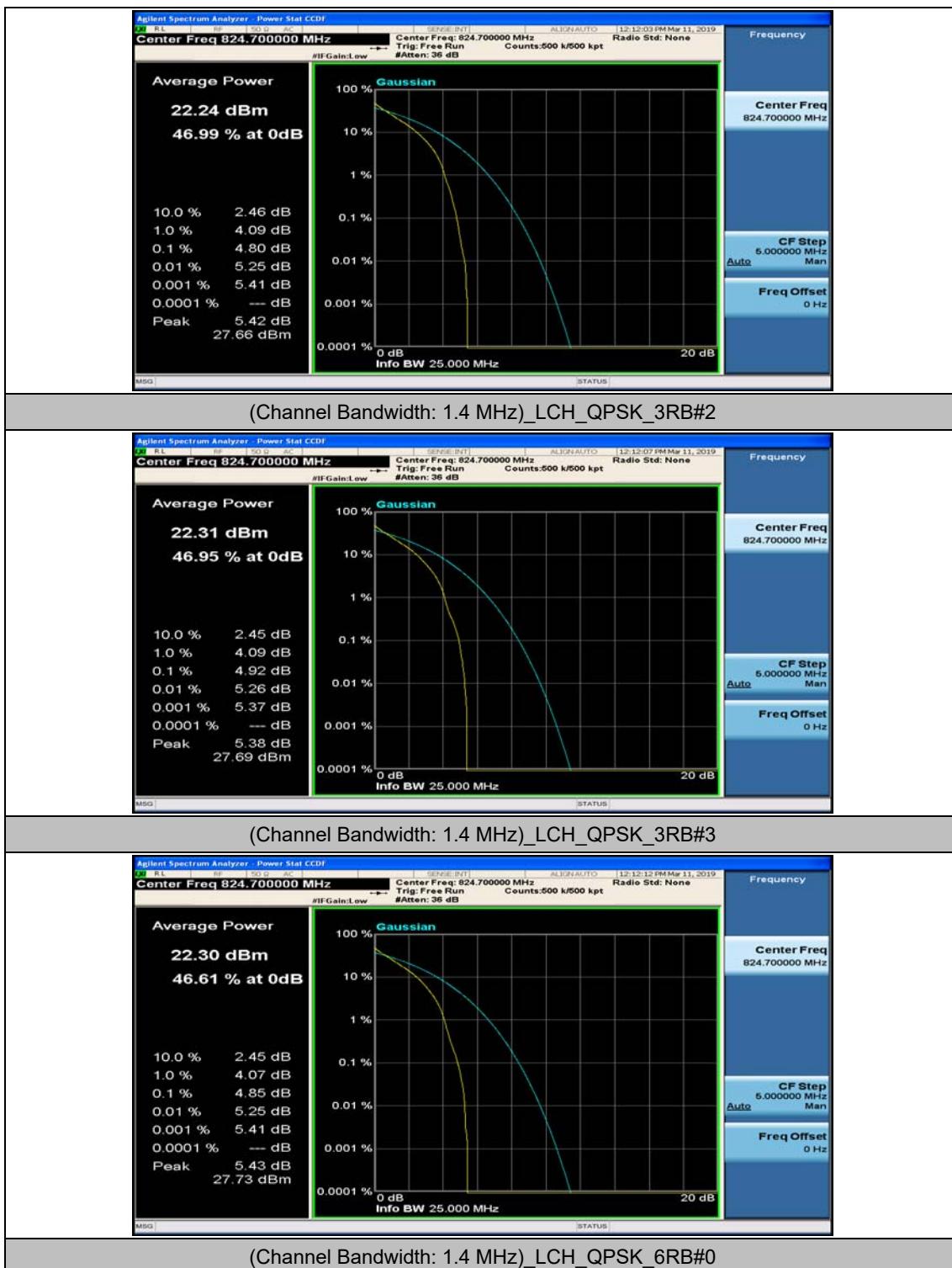
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.73	<13	PASS
		1	24	4.54	<13	PASS
		1	49	4.39	<13	PASS
		25	0	5.35	<13	PASS
		25	12	5.27	<13	PASS
		25	25	5	<13	PASS
		50	0	5.23	<13	PASS
	MCH	1	0	4.15	<13	PASS
		1	24	4.27	<13	PASS
		1	49	4.62	<13	PASS
		25	0	4.93	<13	PASS
		25	12	5.1	<13	PASS
		25	25	5.3	<13	PASS
		50	0	5.14	<13	PASS

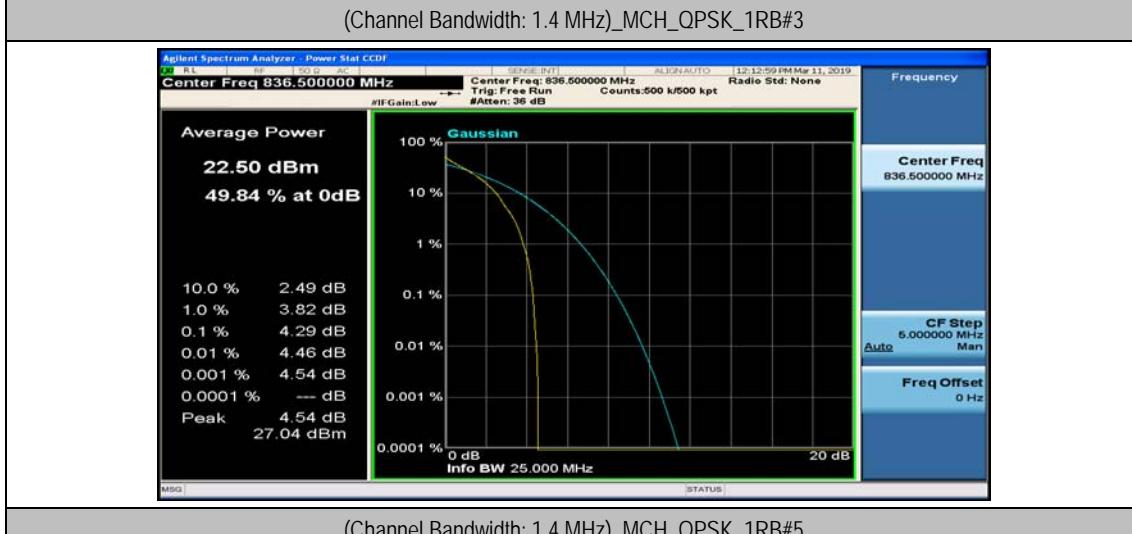
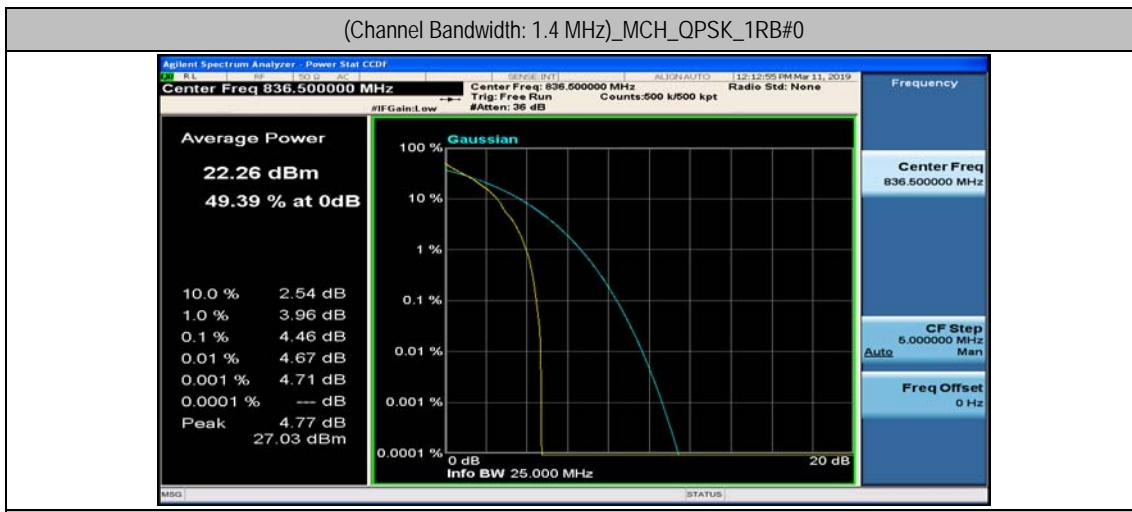
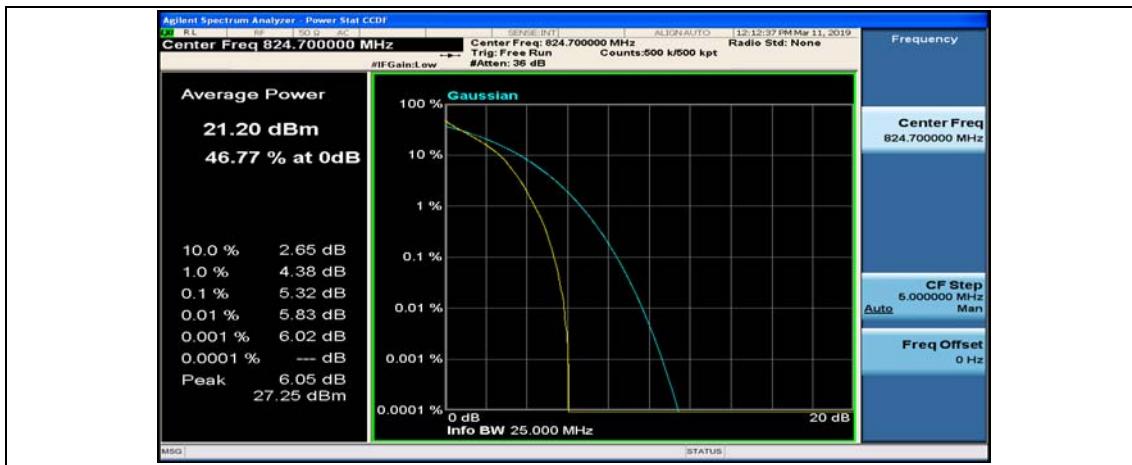
		1	0	4.85	<13	PASS
		1	24	4.33	<13	PASS
		1	49	4.28	<13	PASS
	HCH	25	0	5.28	<13	PASS
		25	12	5.13	<13	PASS
		25	25	4.89	<13	PASS
		50	0	5.22	<13	PASS
16QAM	LCH	1	0	5.53	<13	PASS
		1	24	5.54	<13	PASS
		1	49	5.31	<13	PASS
		25	0	6.23	<13	PASS
		25	12	6.1	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.99	<13	PASS
	MCH	1	0	5.16	<13	PASS
		1	24	5.28	<13	PASS
		1	49	5.84	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.92	<13	PASS
		25	25	6.21	<13	PASS
		50	0	5.94	<13	PASS
	HCH	1	0	5.77	<13	PASS
		1	24	5.45	<13	PASS
		1	49	5.27	<13	PASS
		25	0	6.18	<13	PASS
		25	12	6.07	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.99	<13	PASS

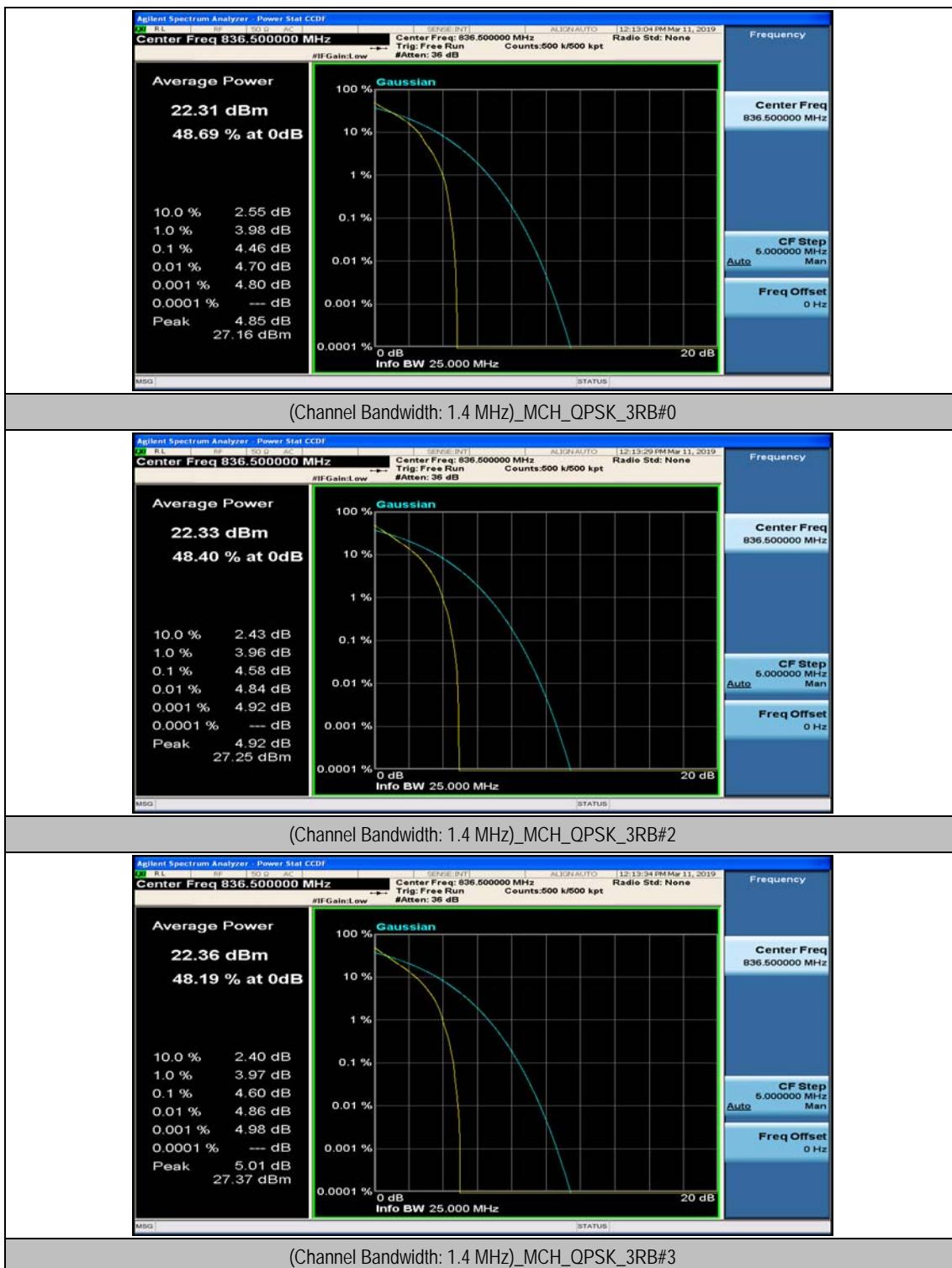
Test Graphs

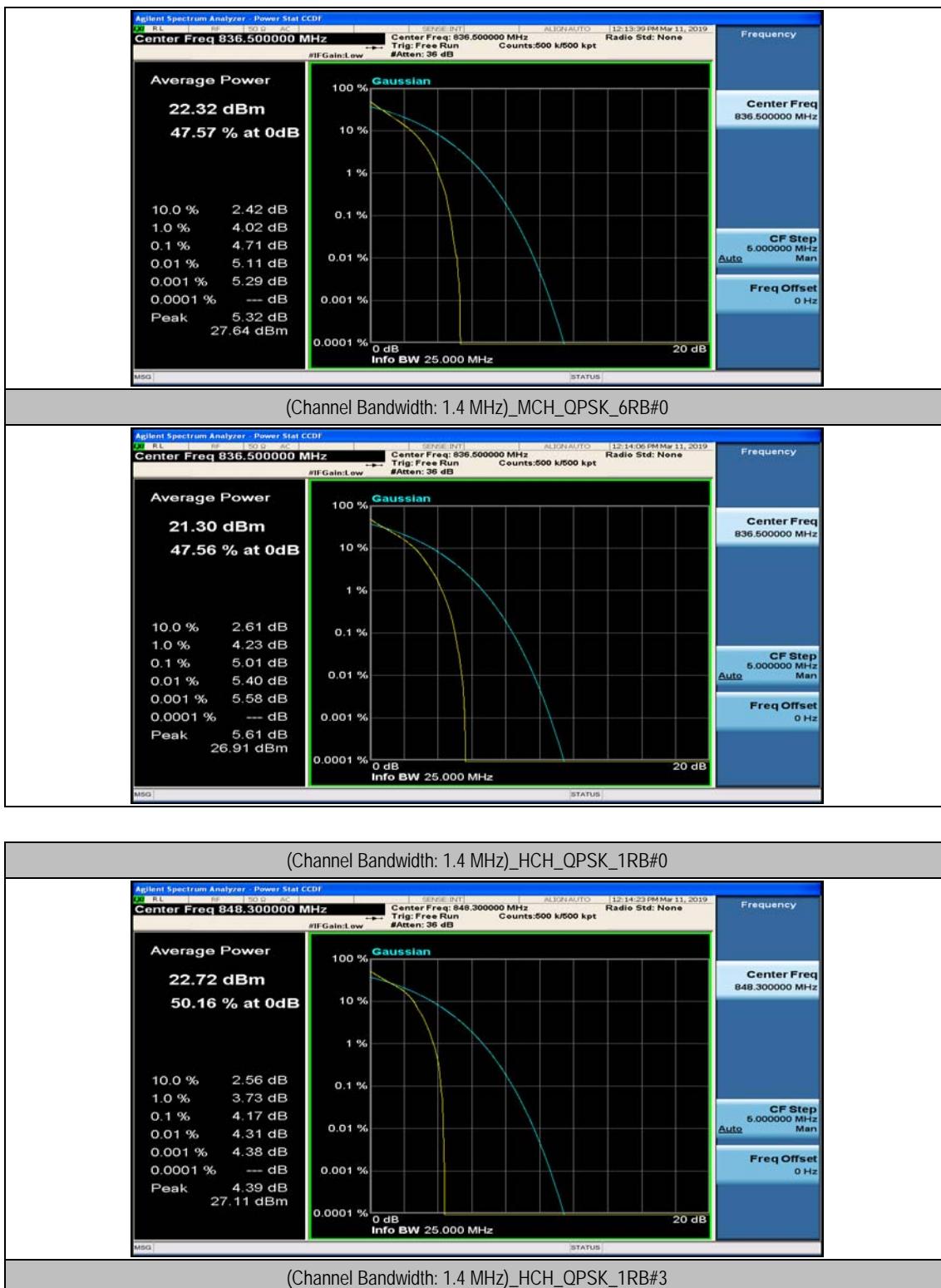
Channel Bandwidth: 1.4 MHz

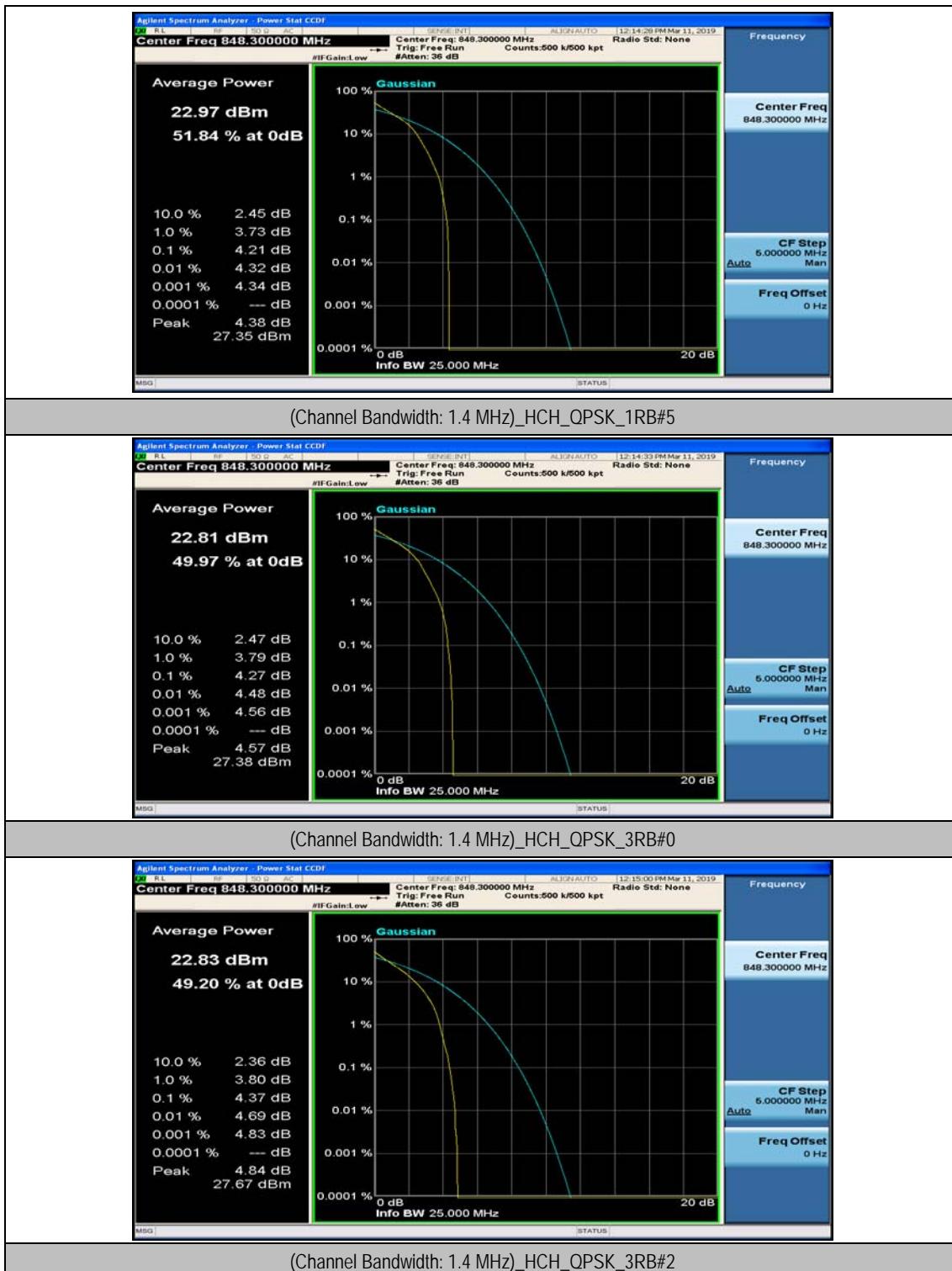


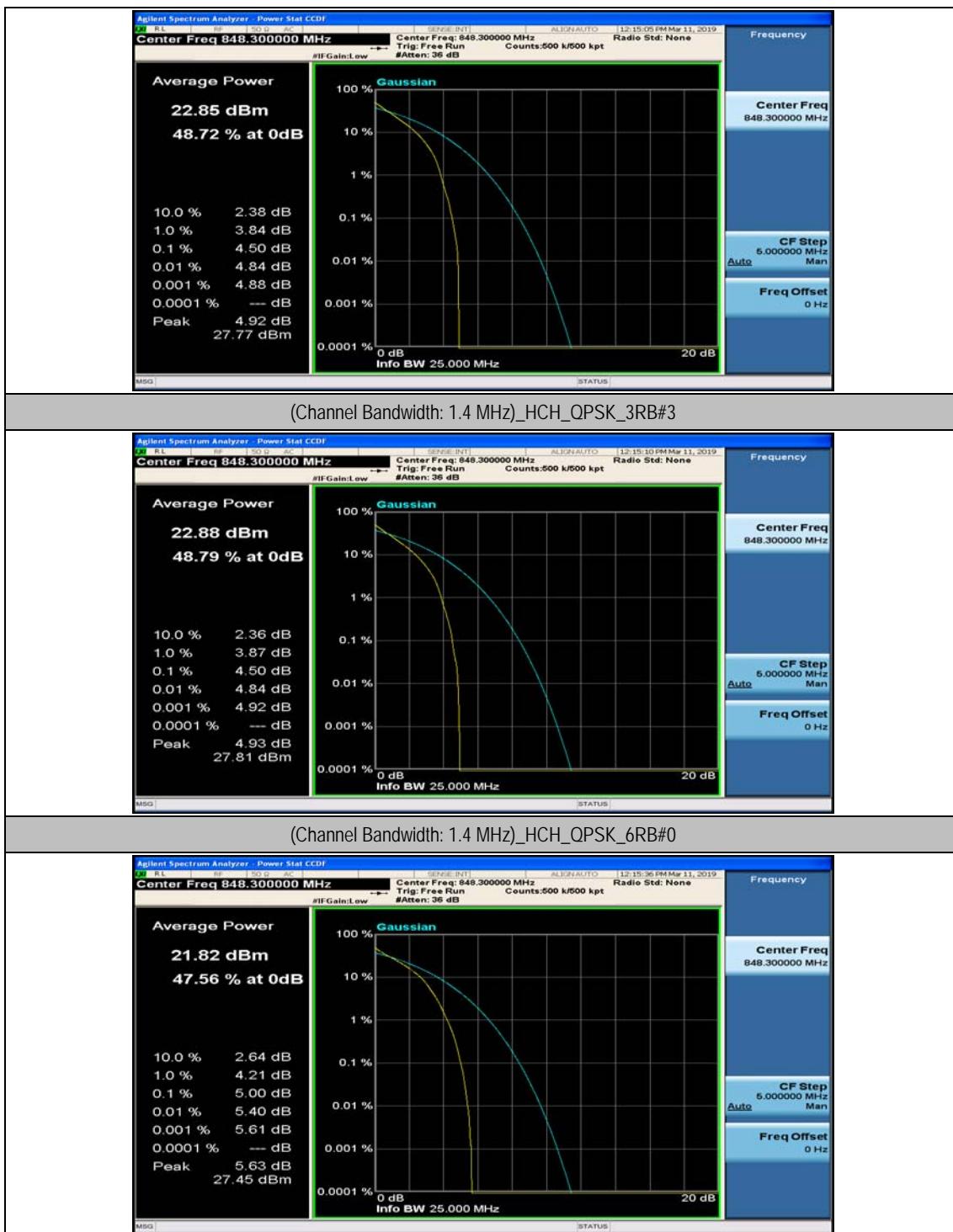


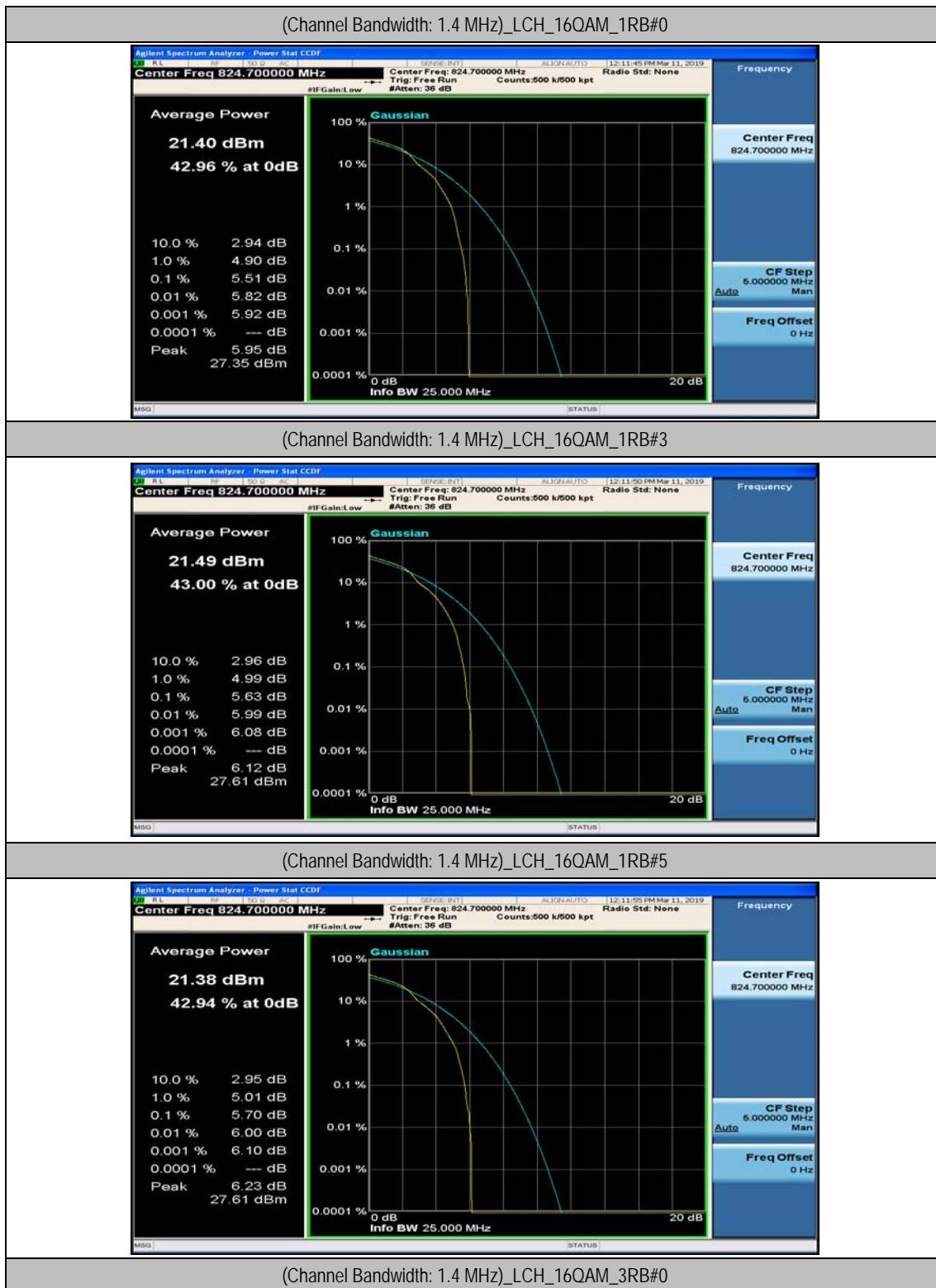


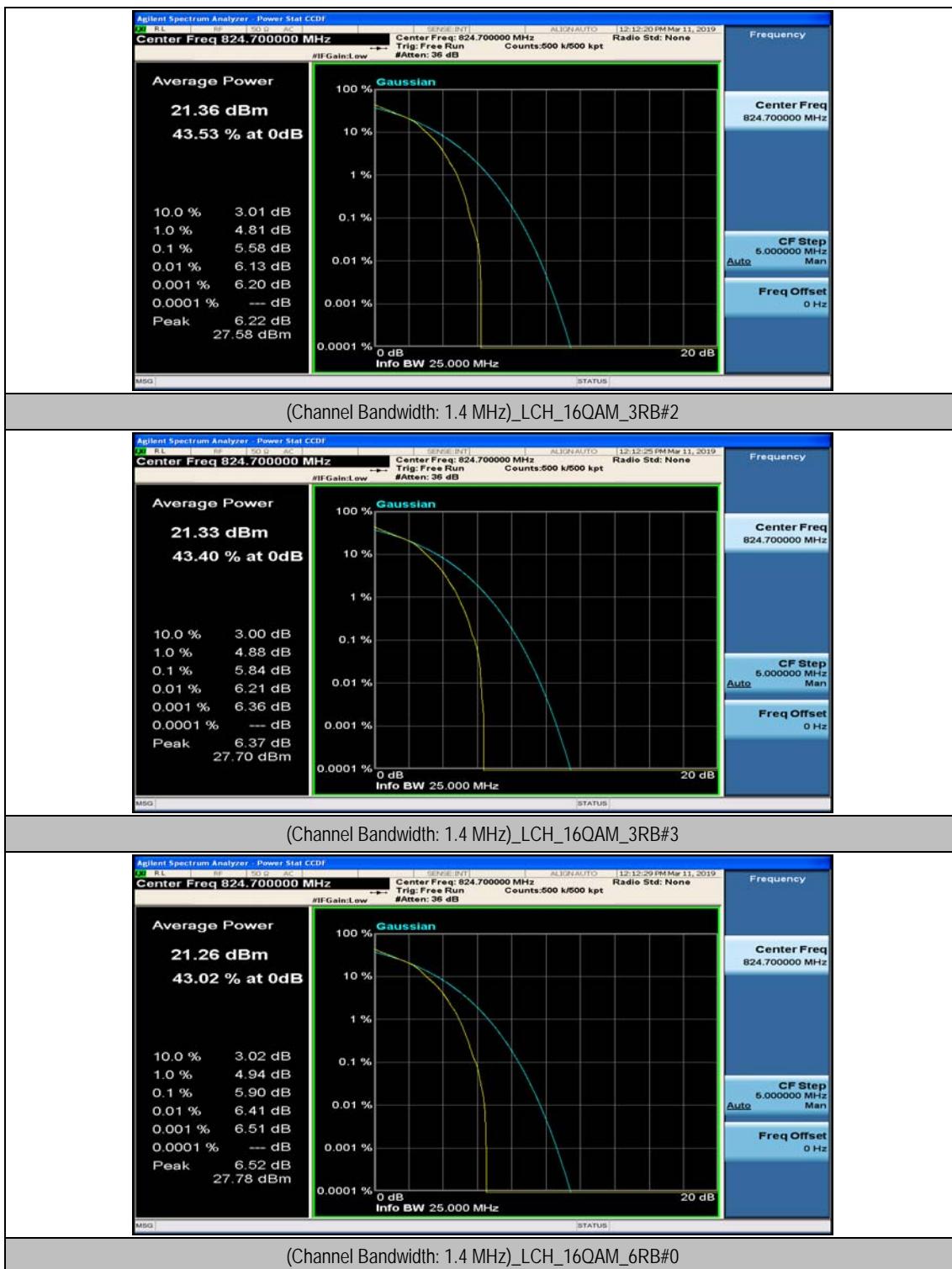


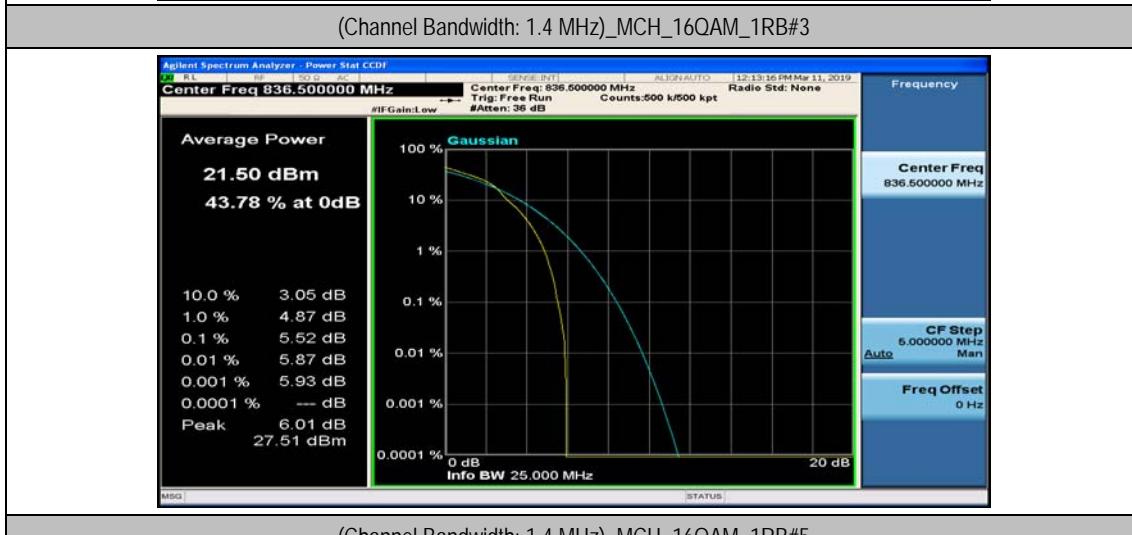
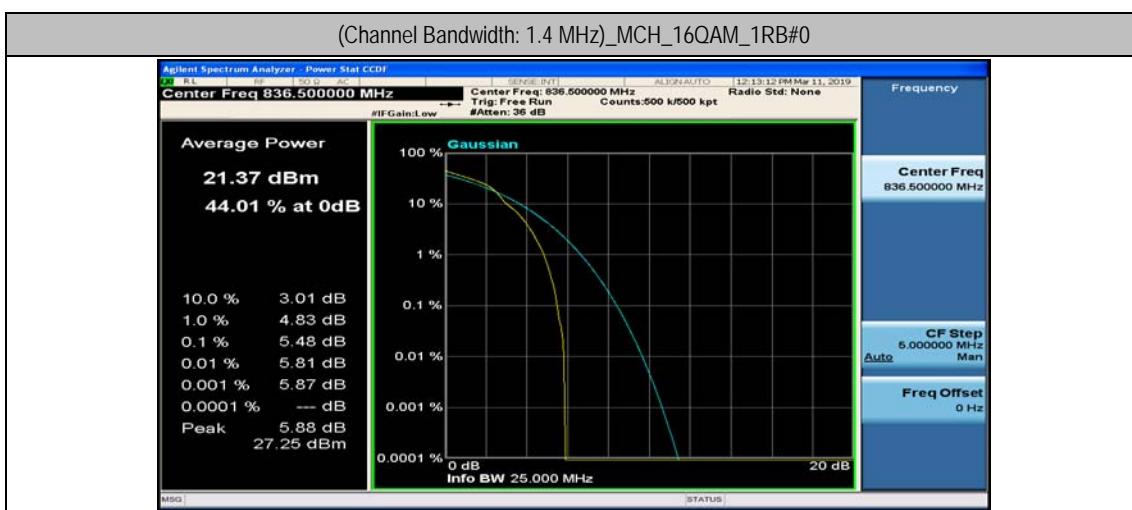




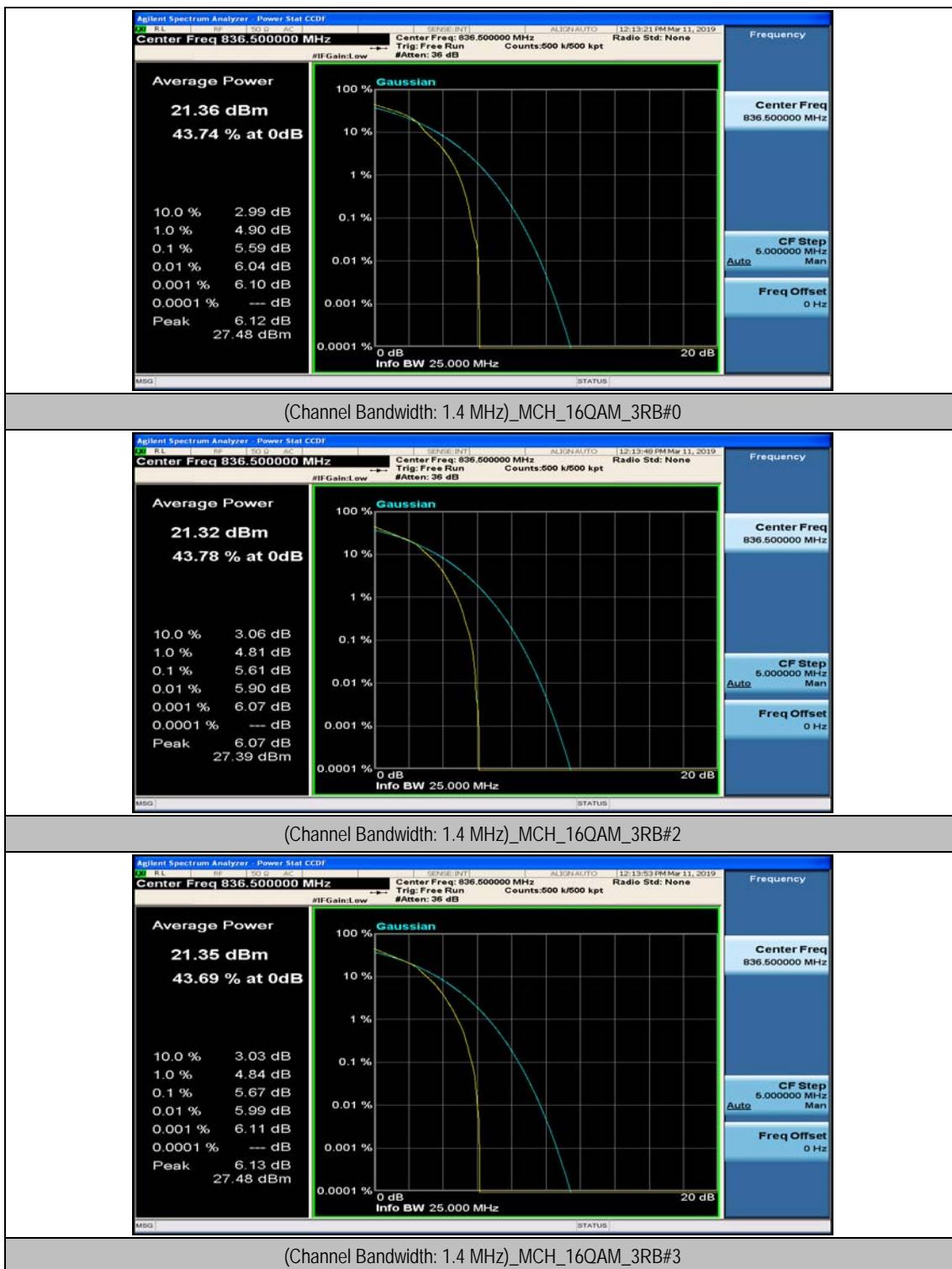


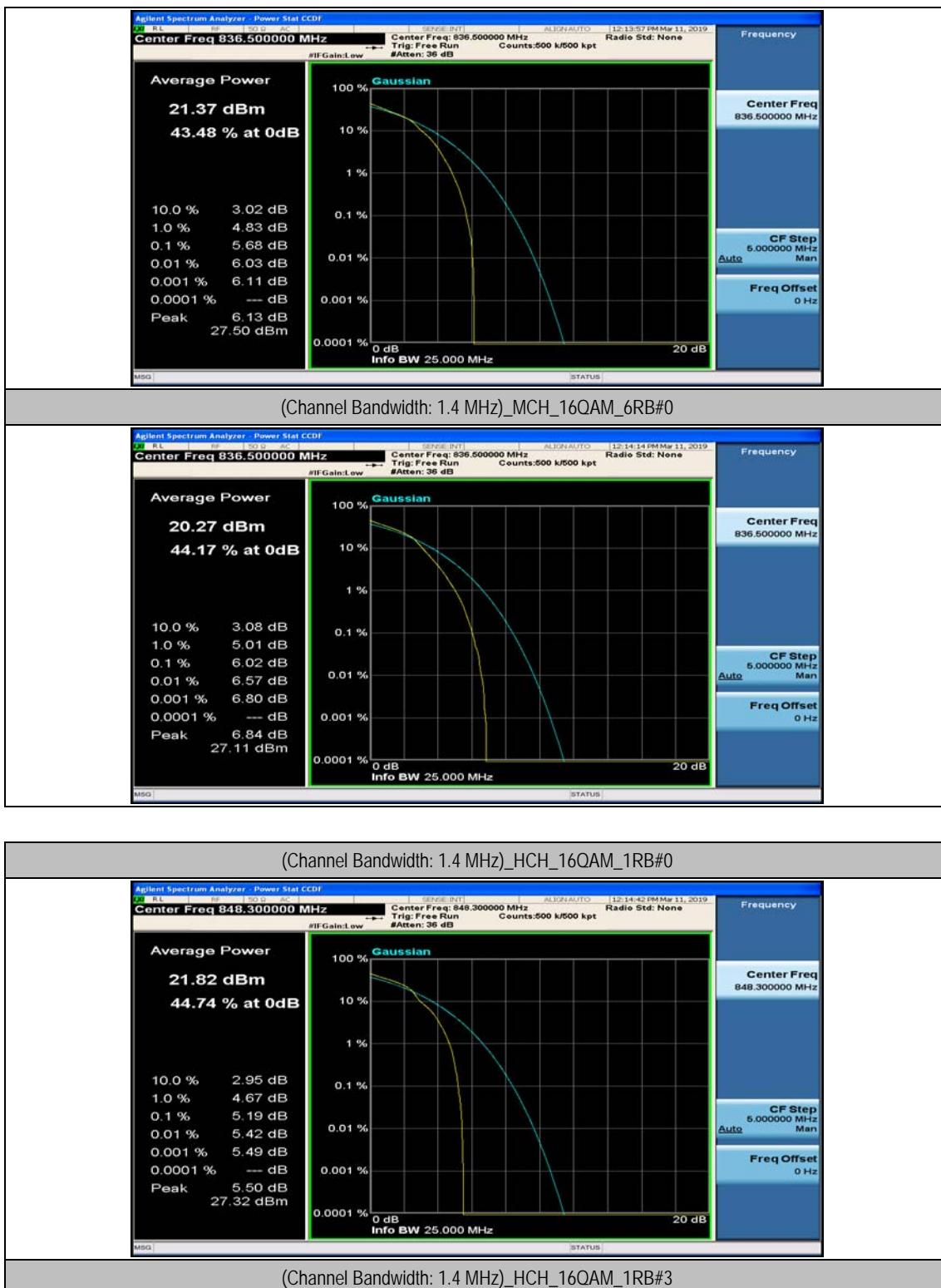


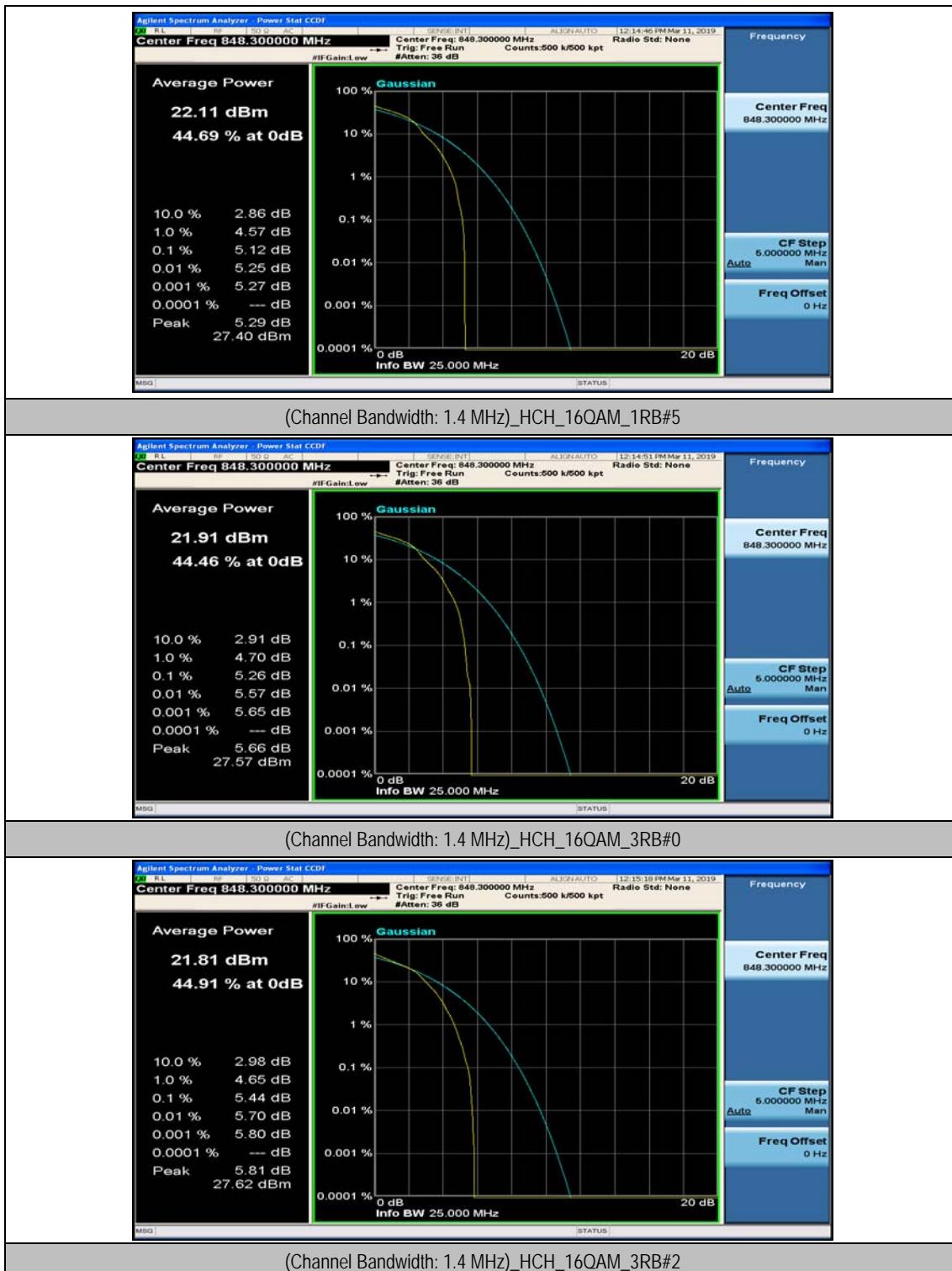


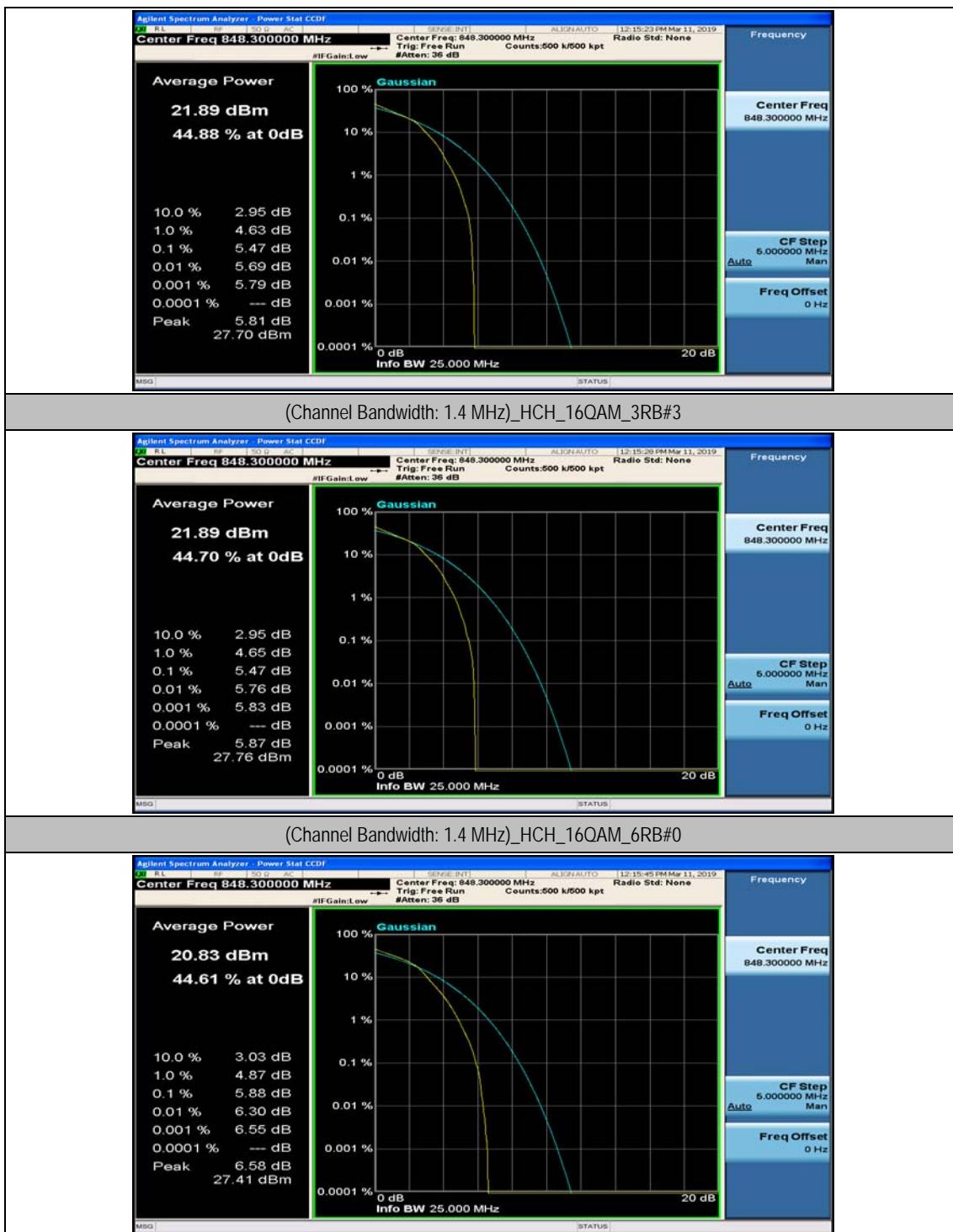


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

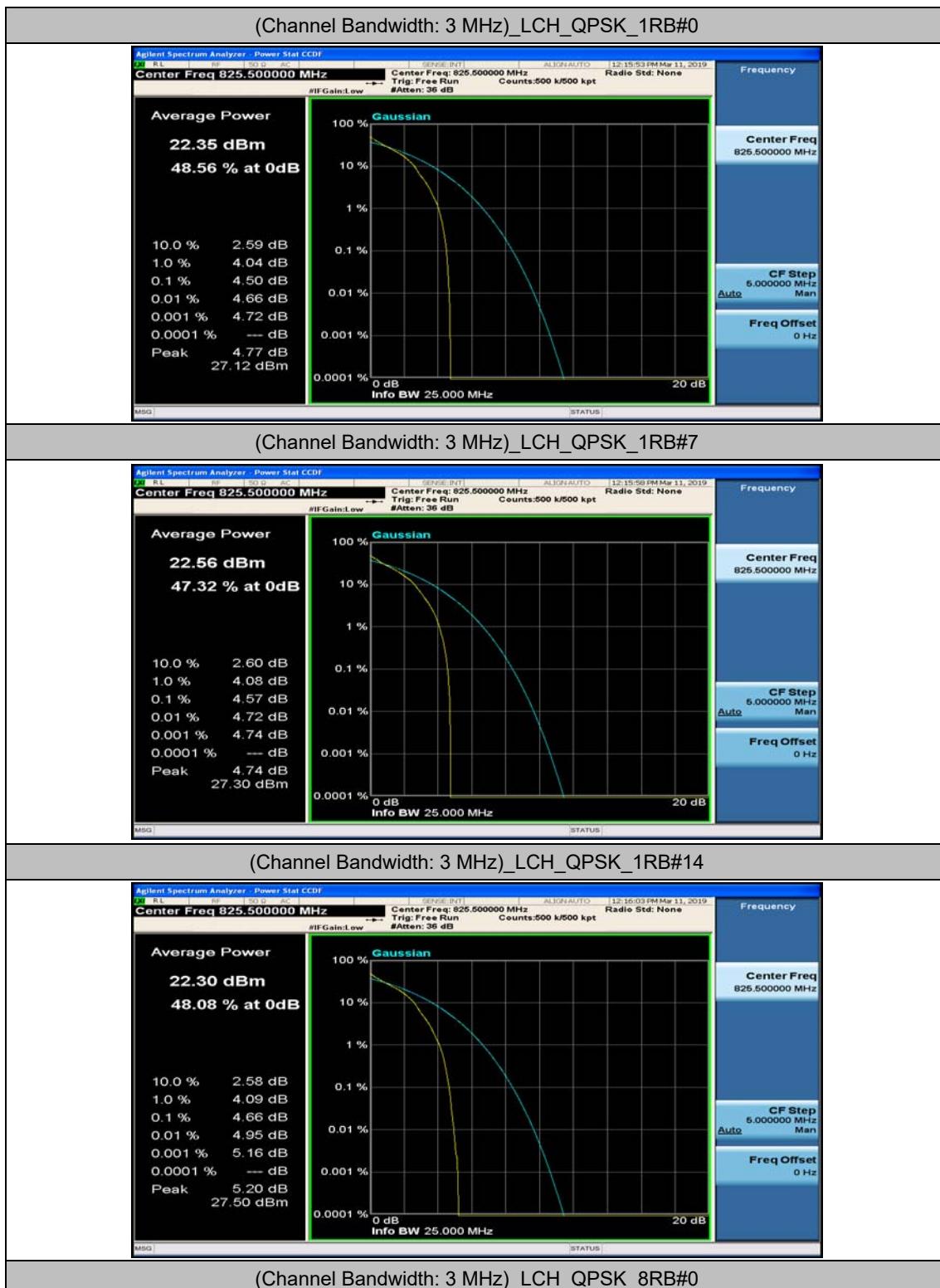


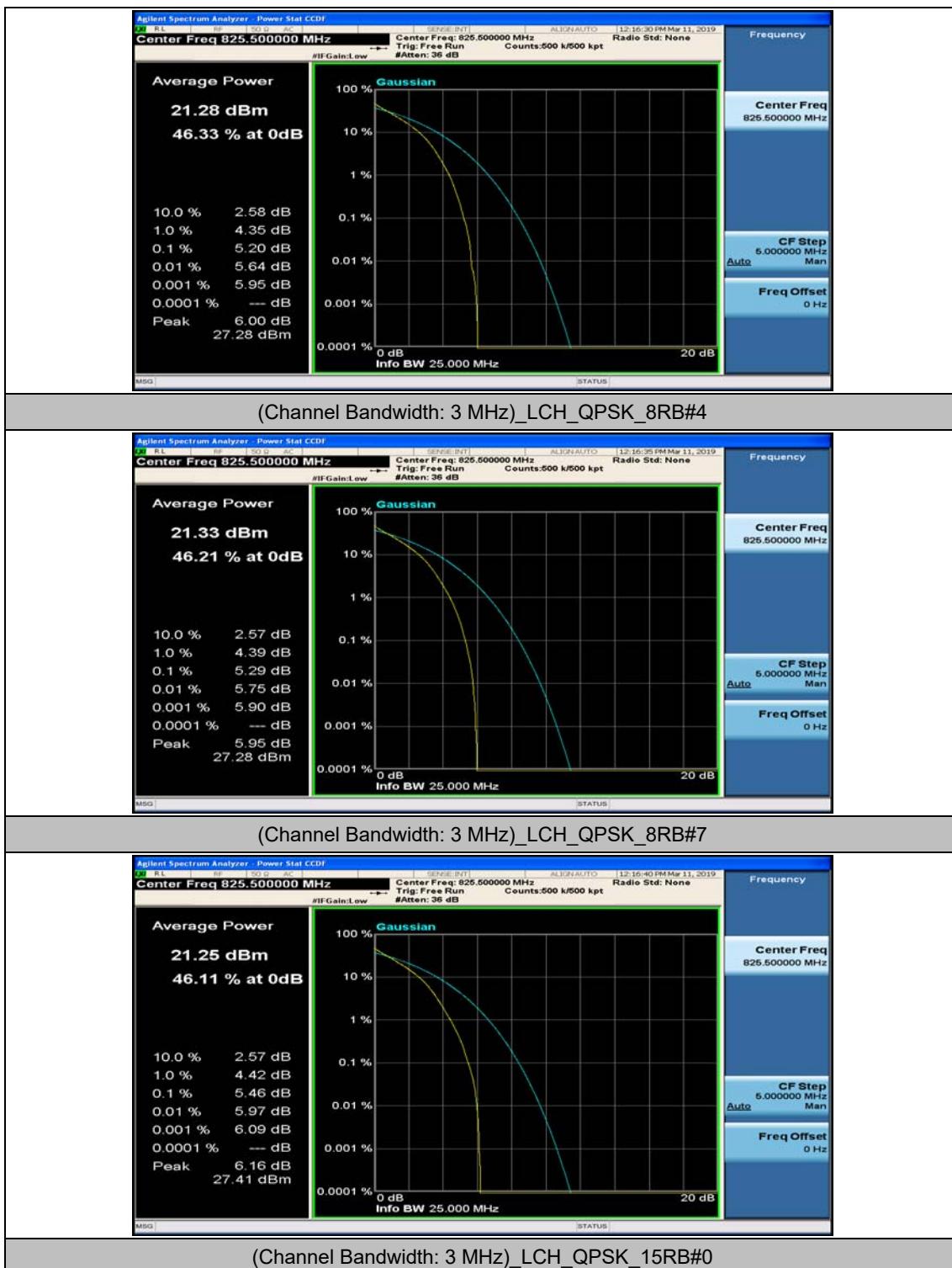


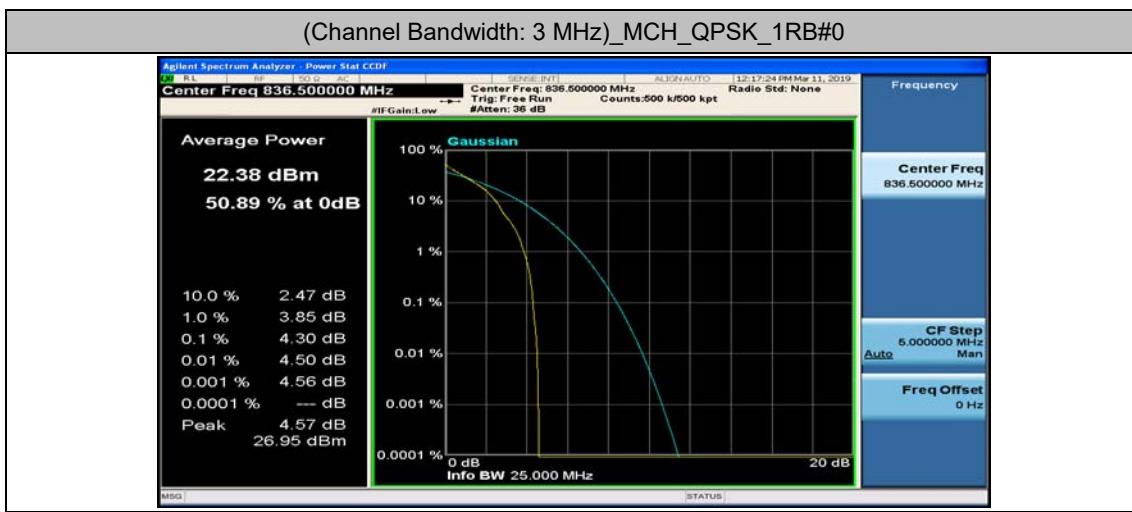




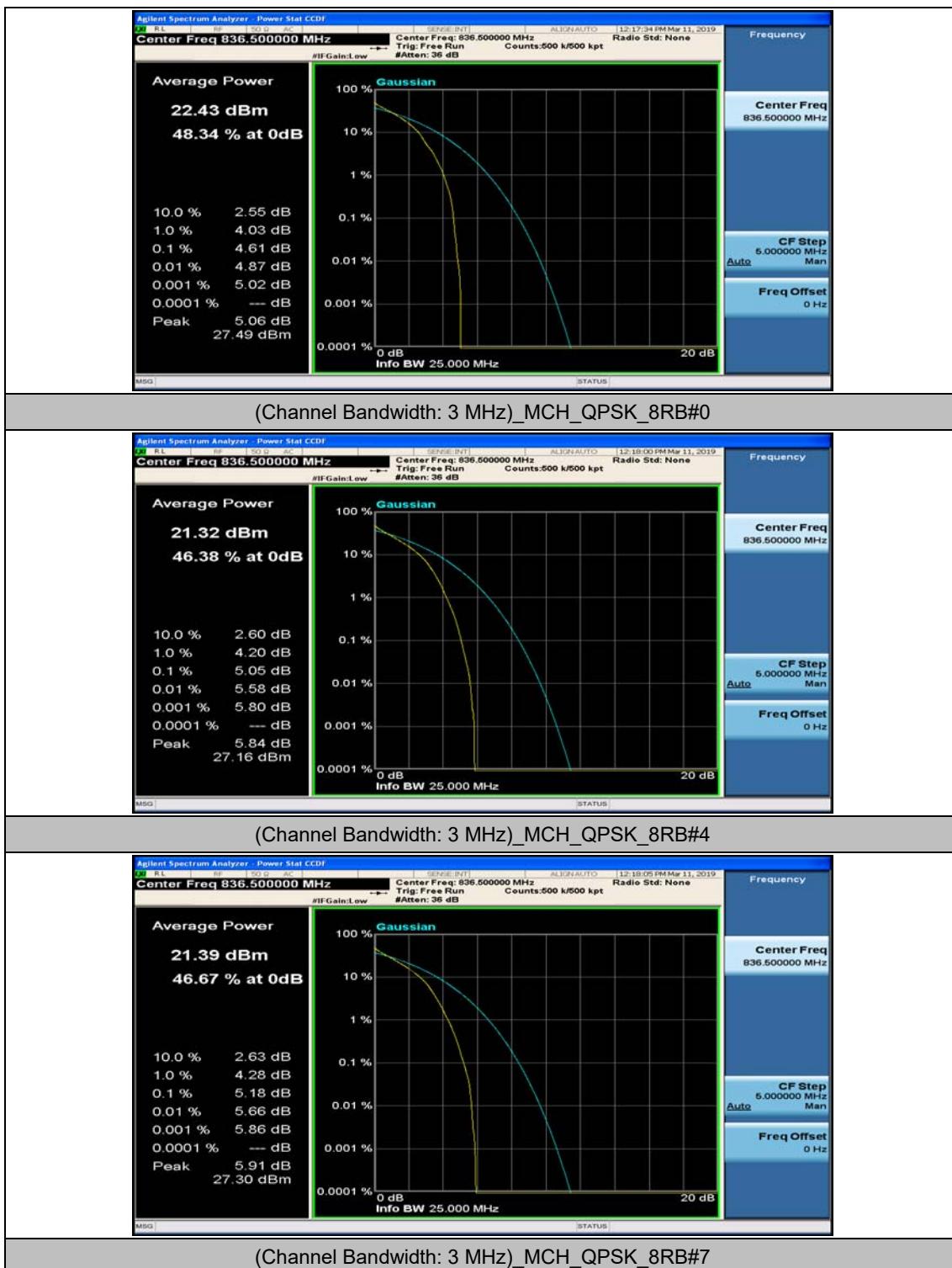
Channel Bandwidth: 3 MHz

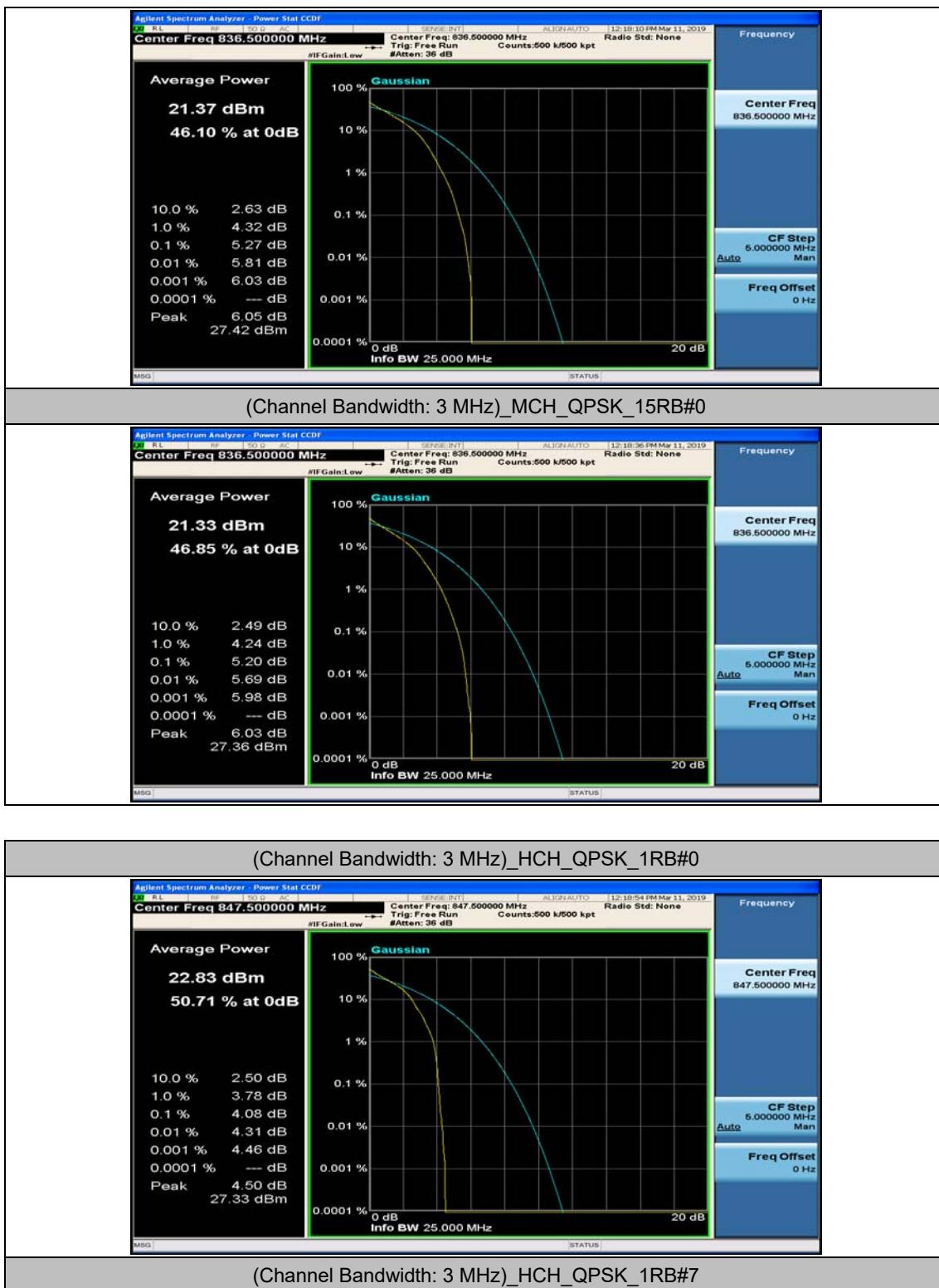


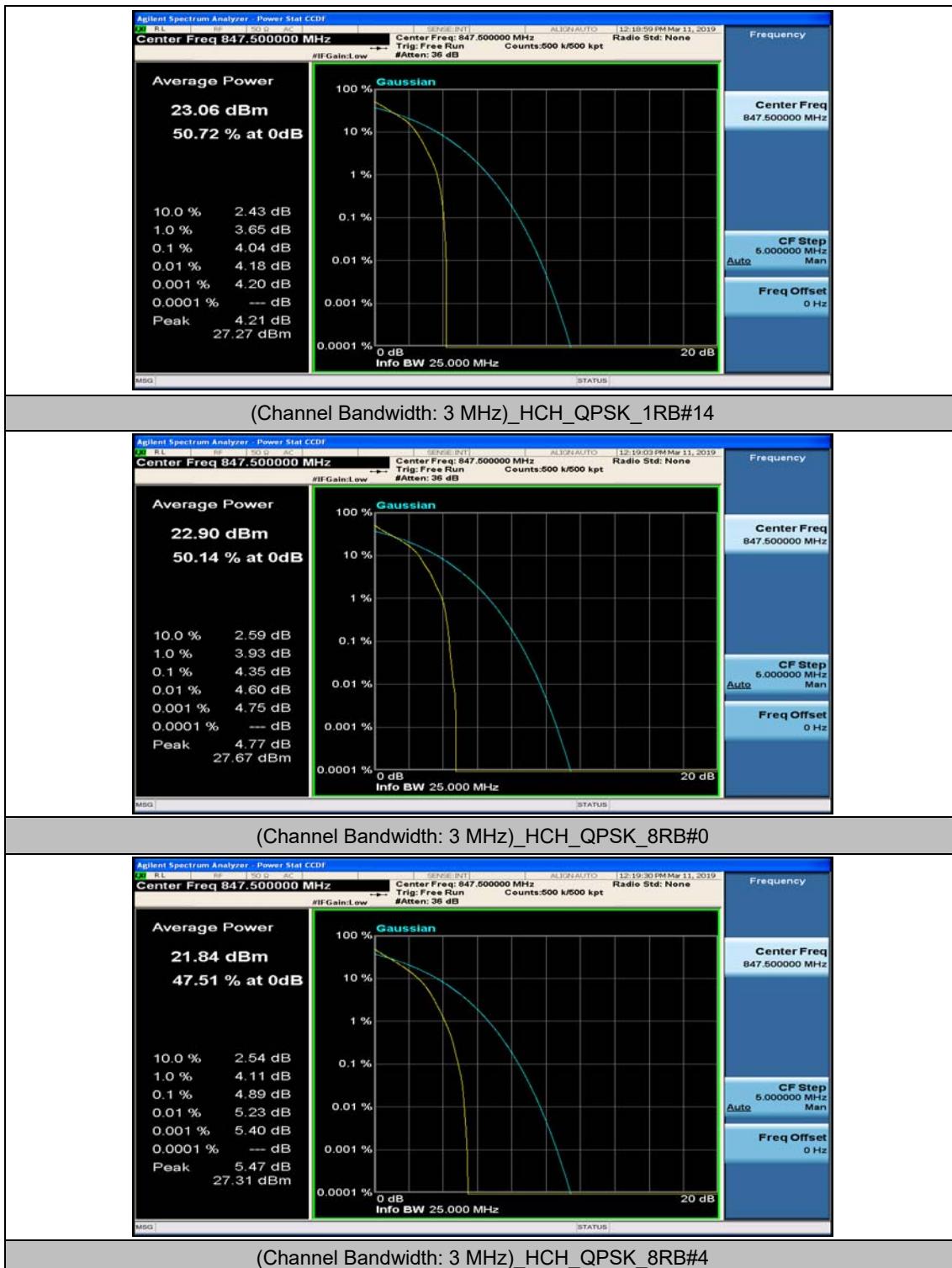


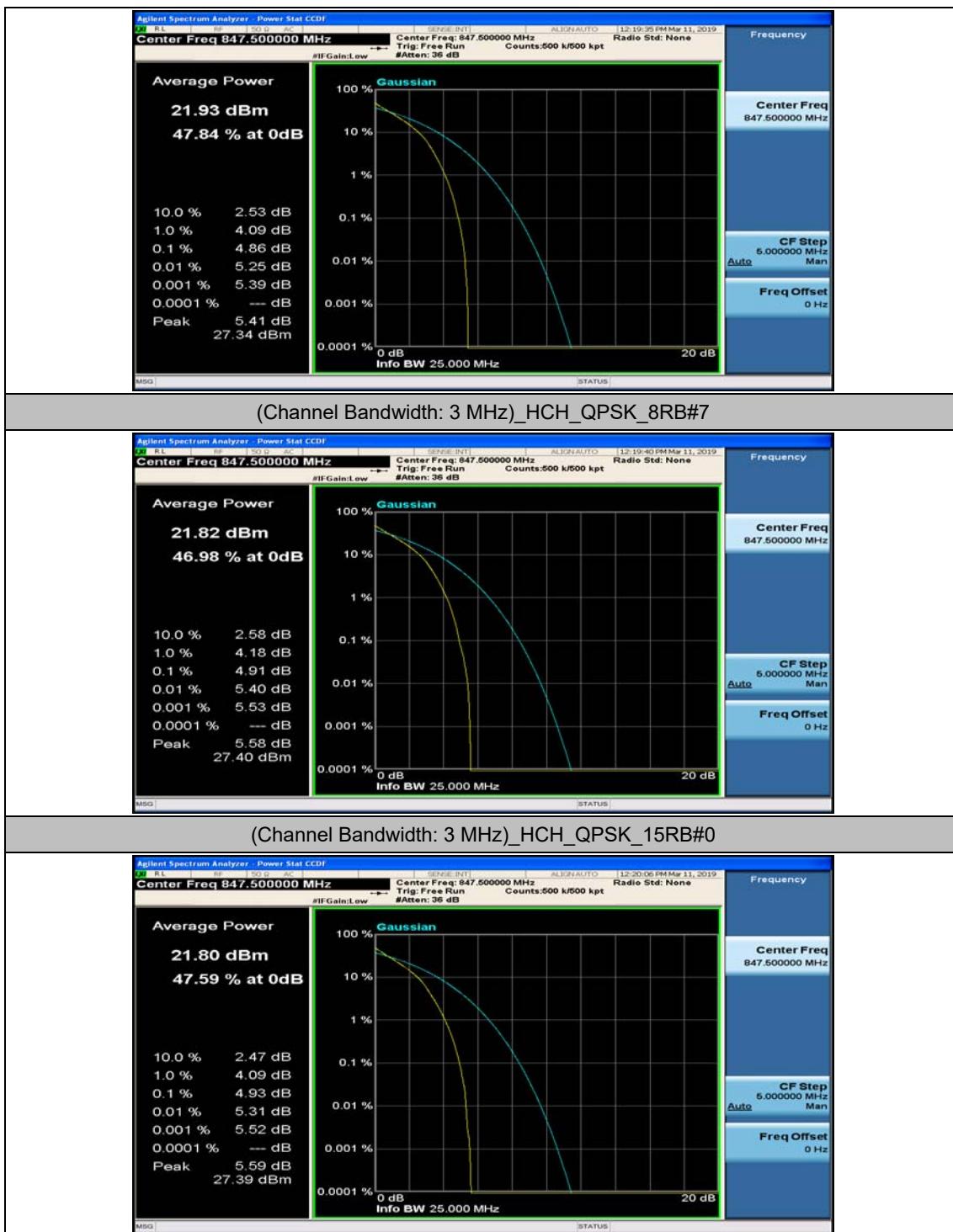


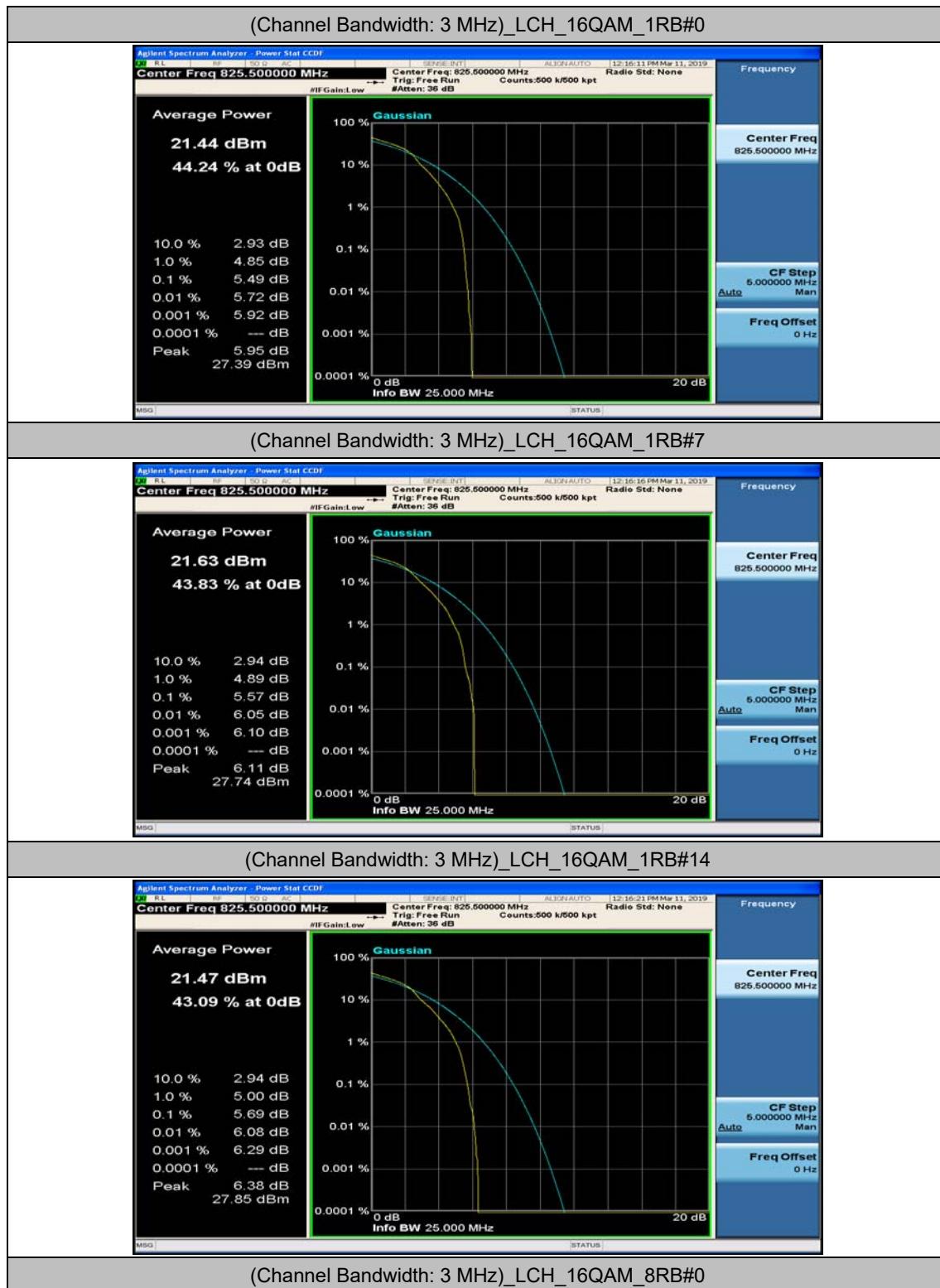
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

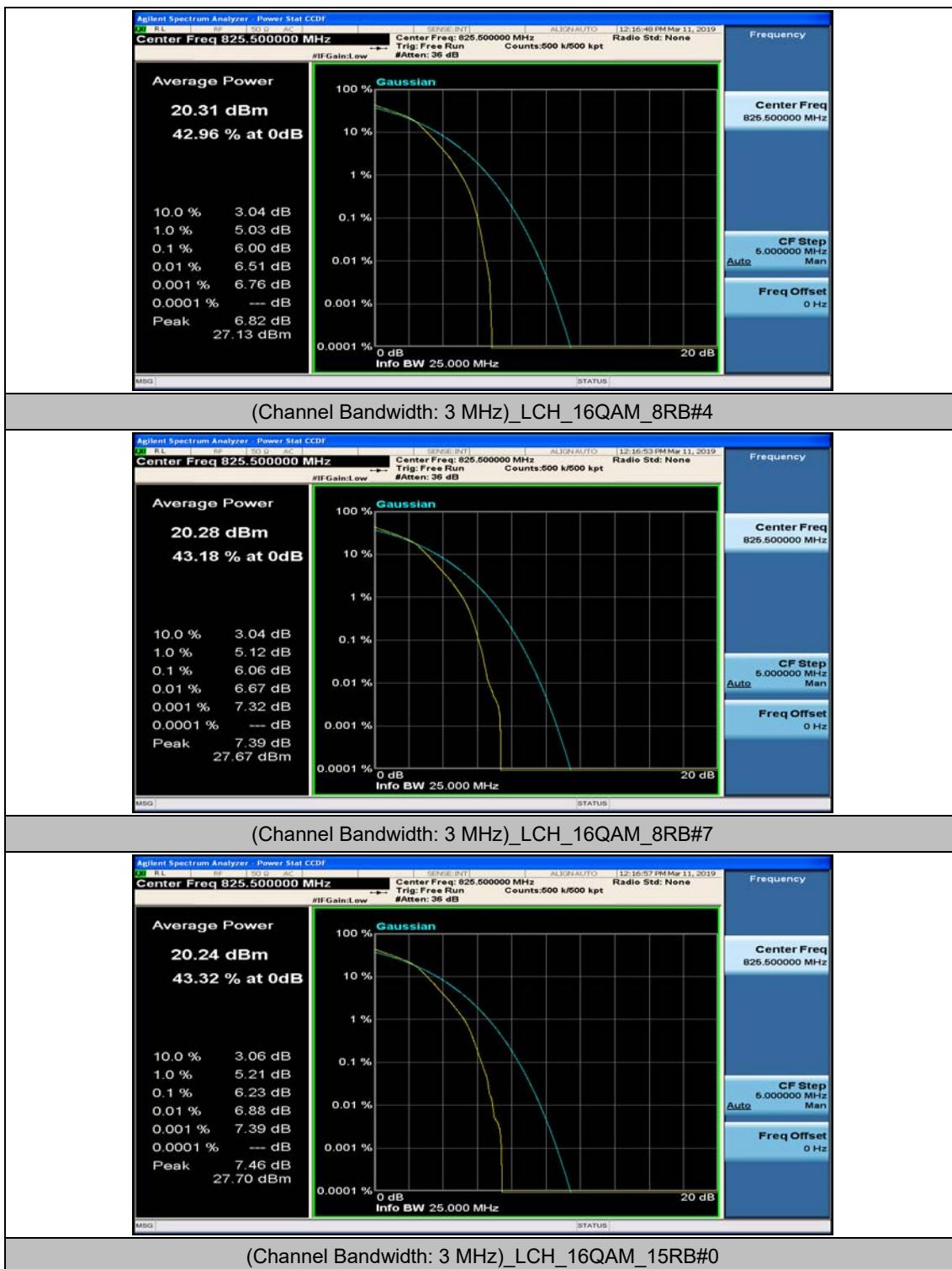


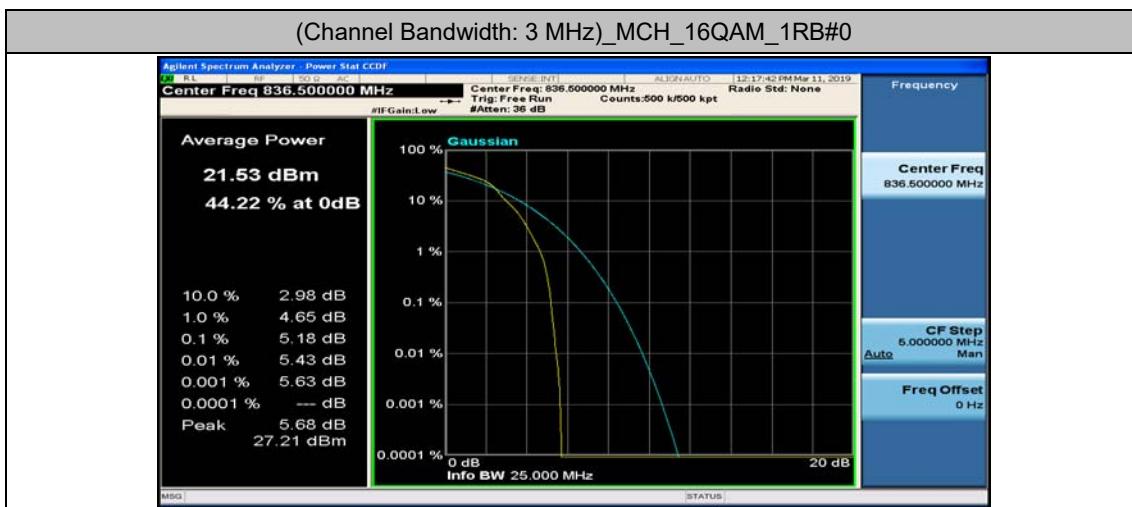
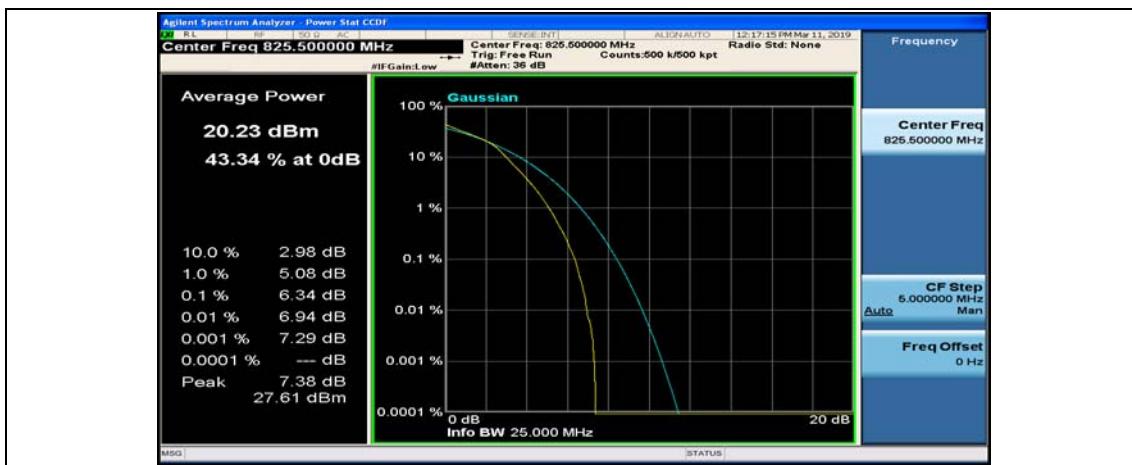




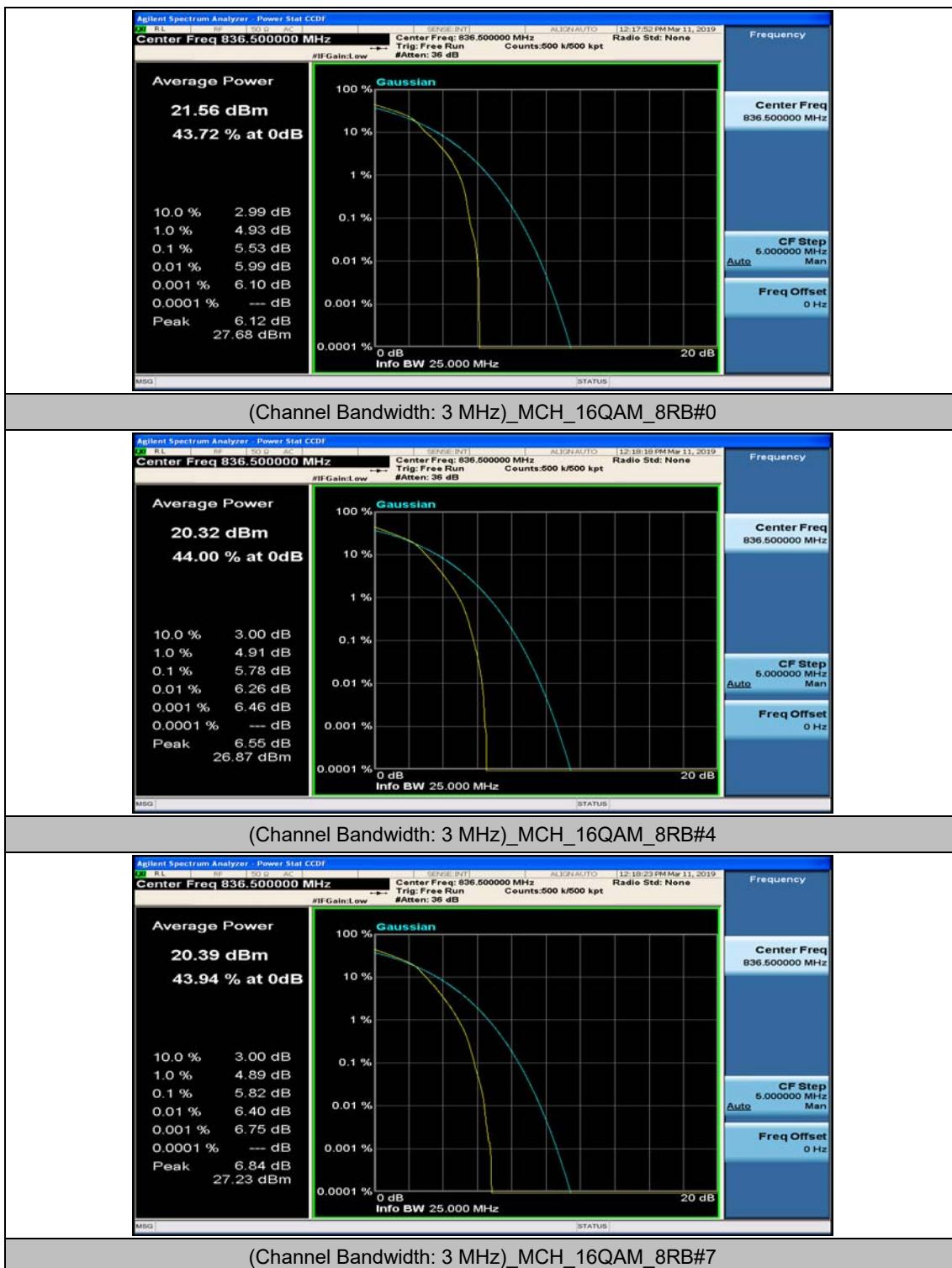


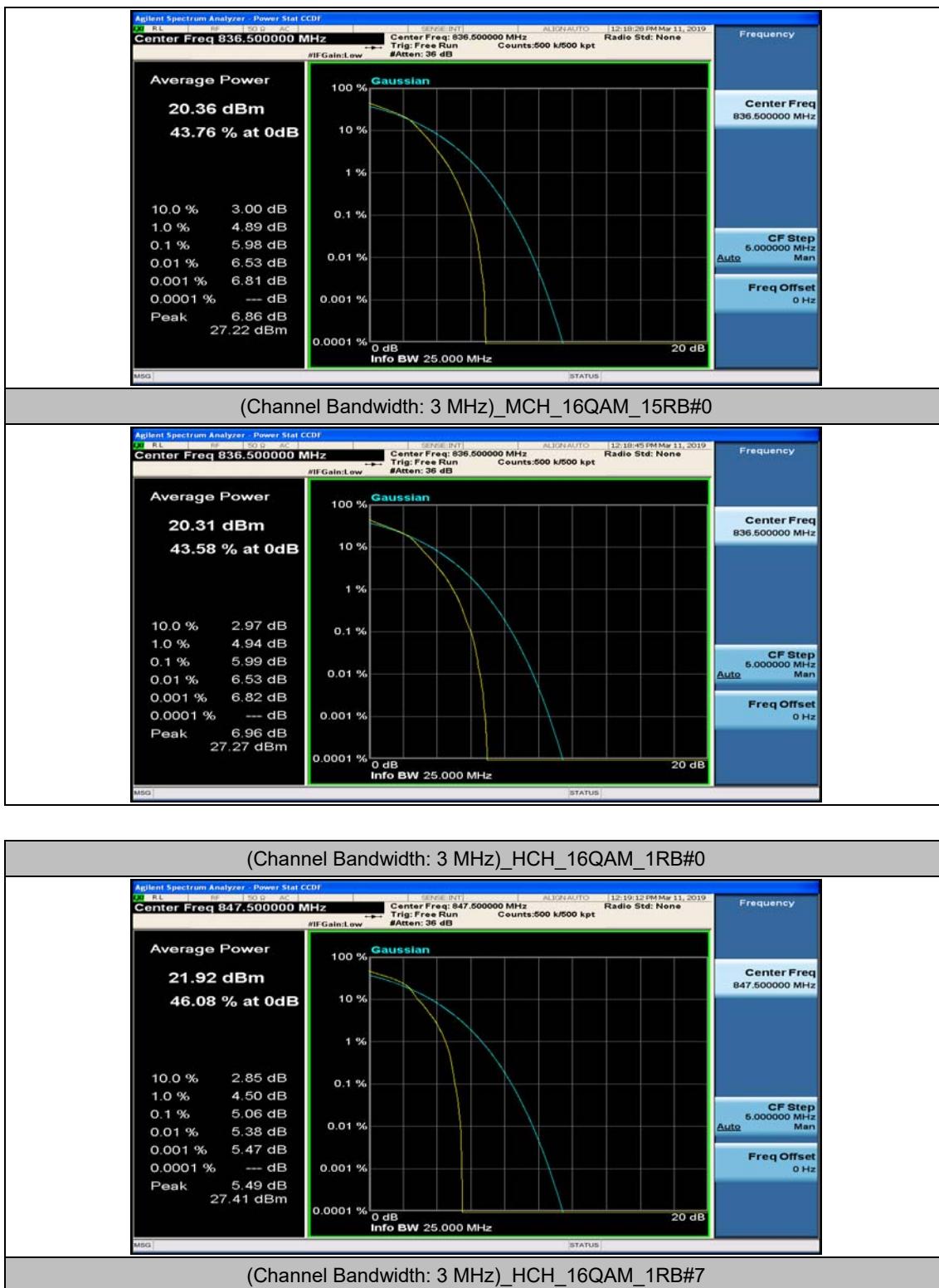


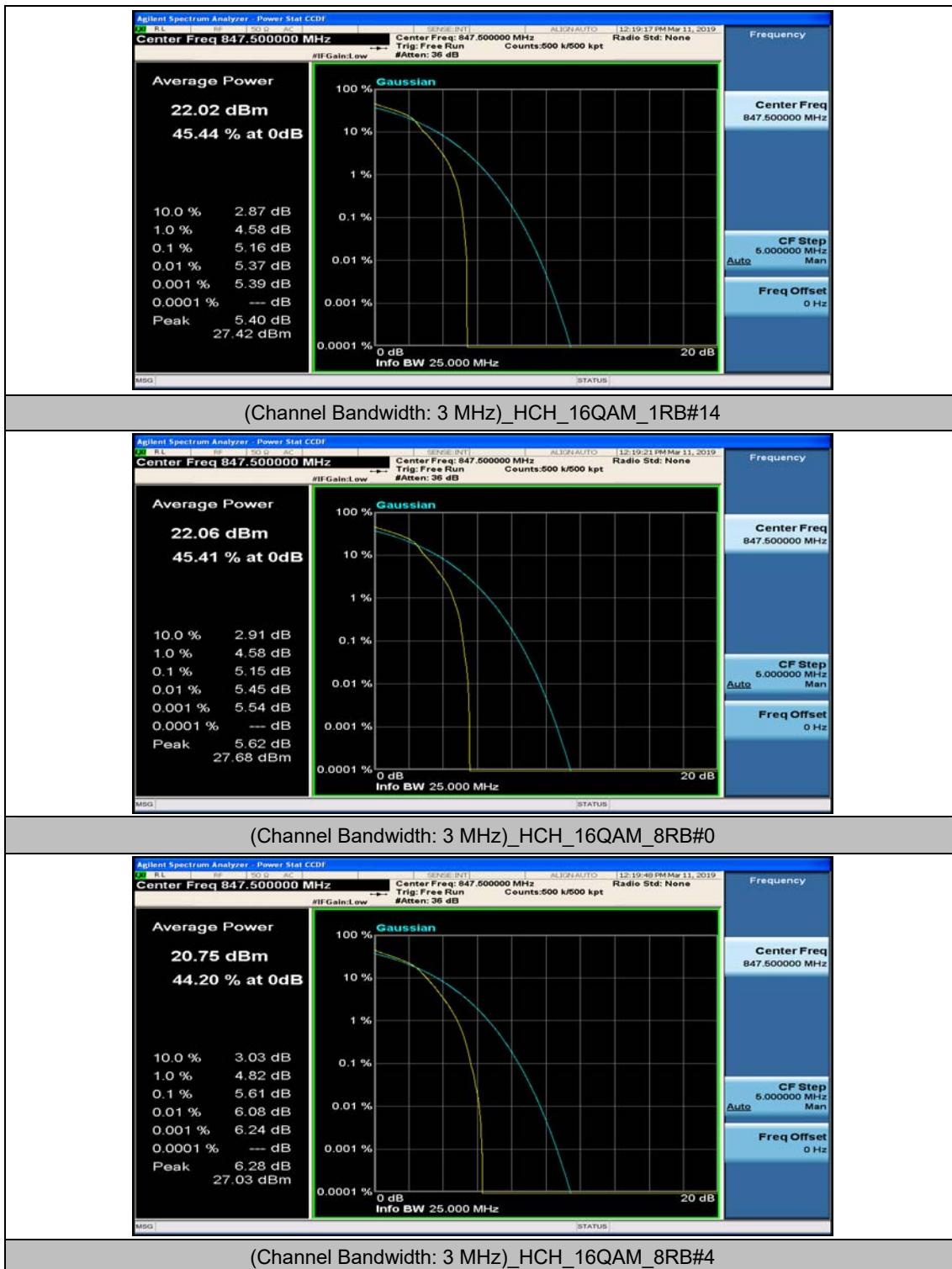


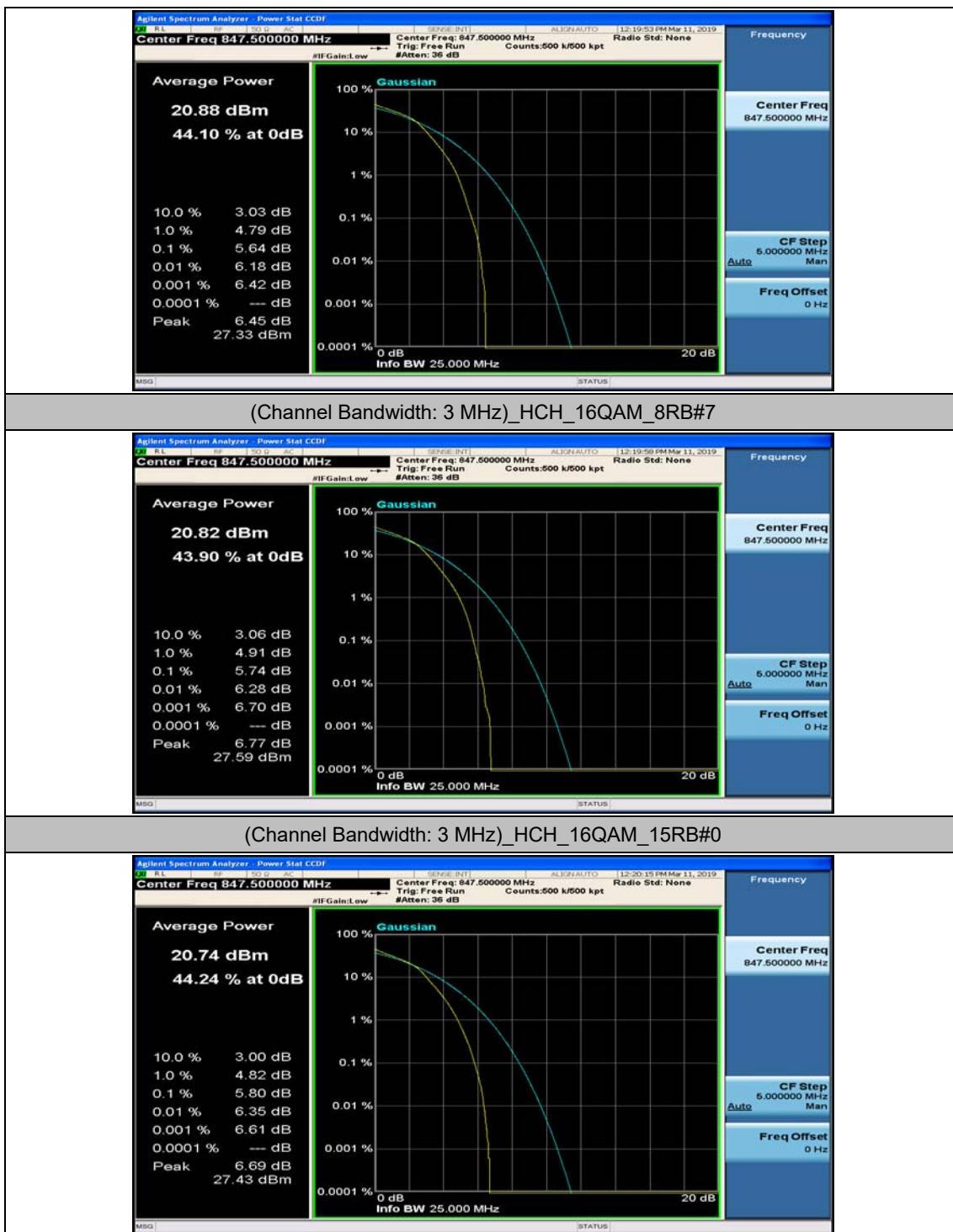


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

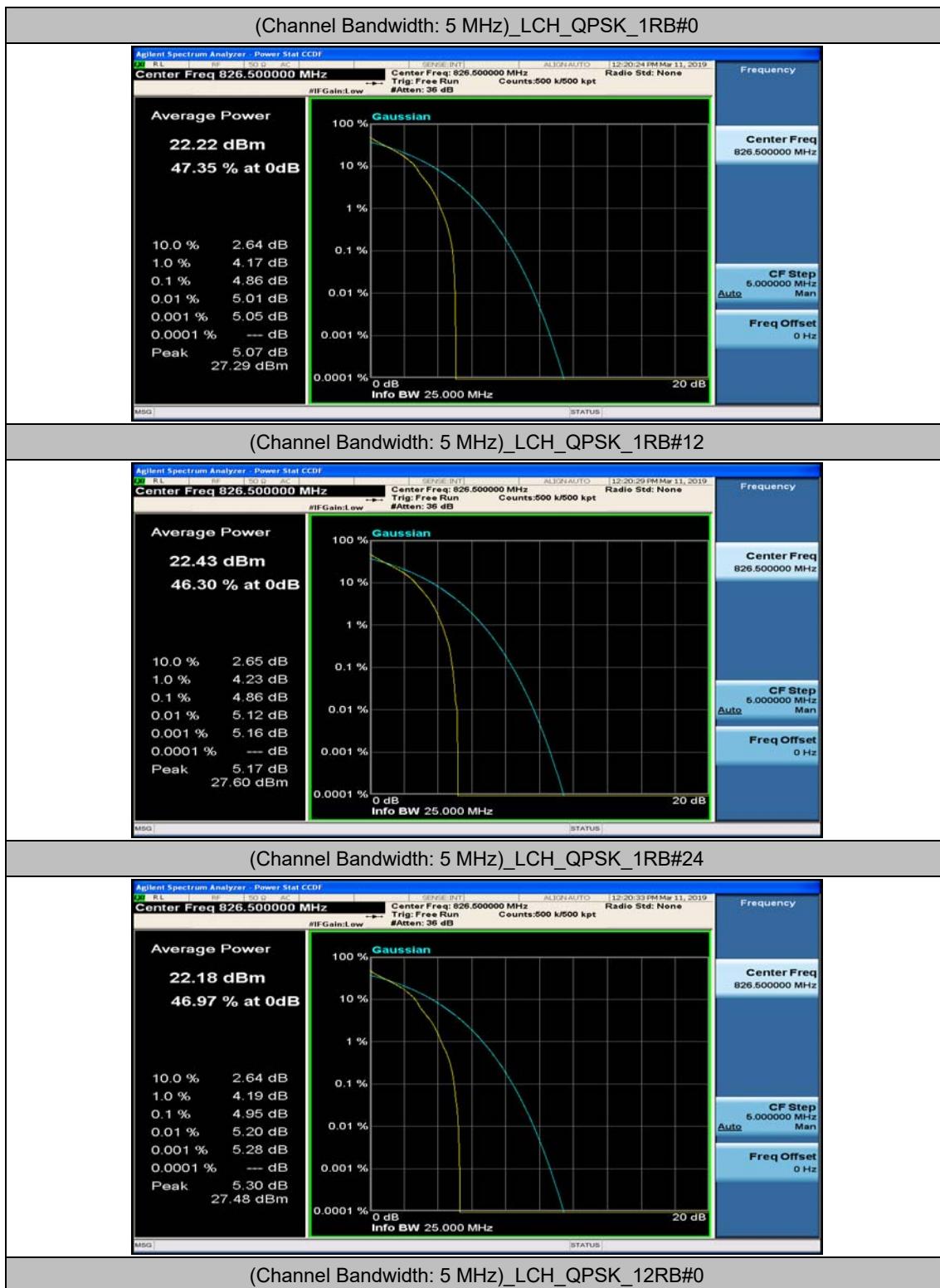


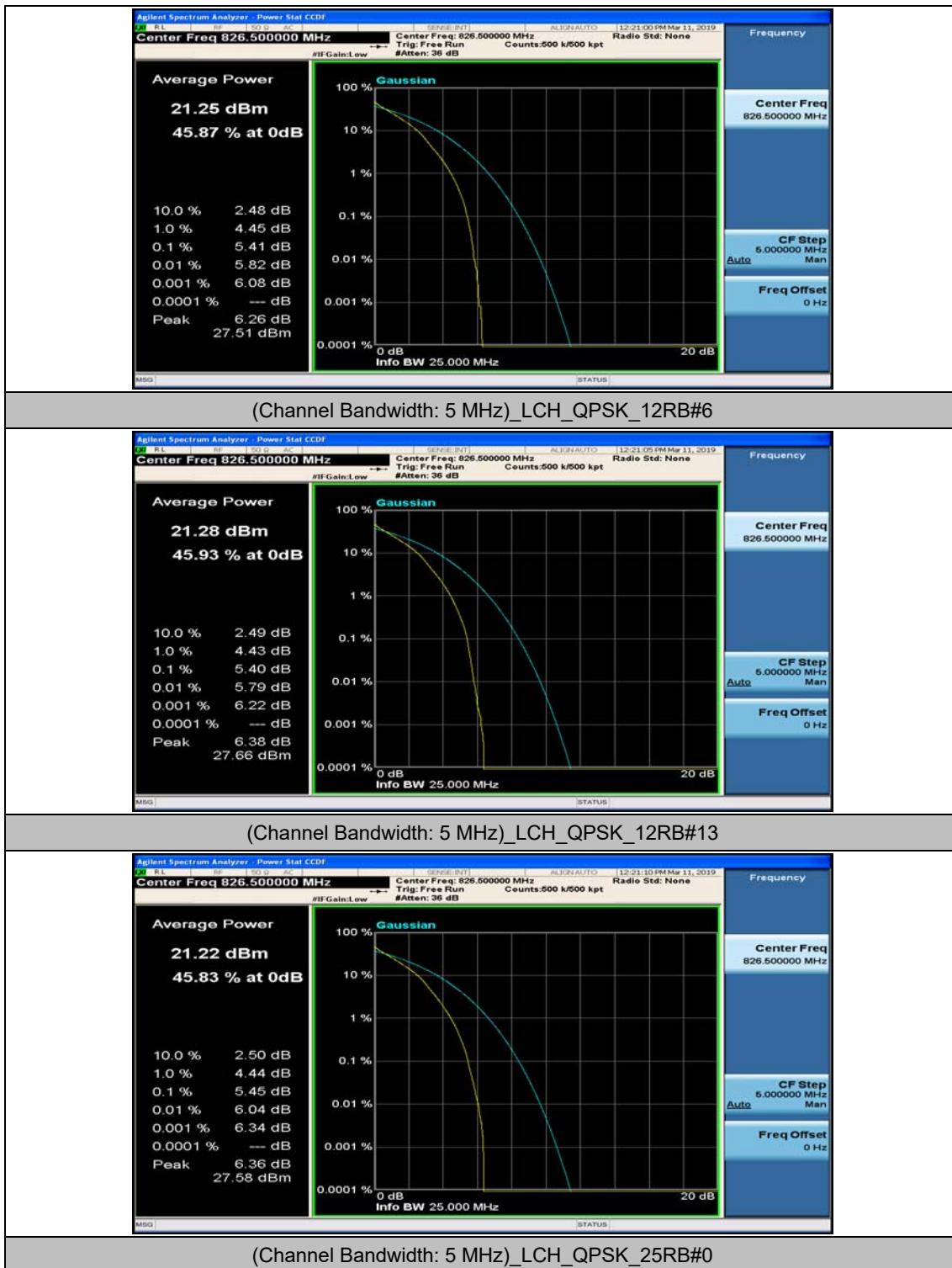


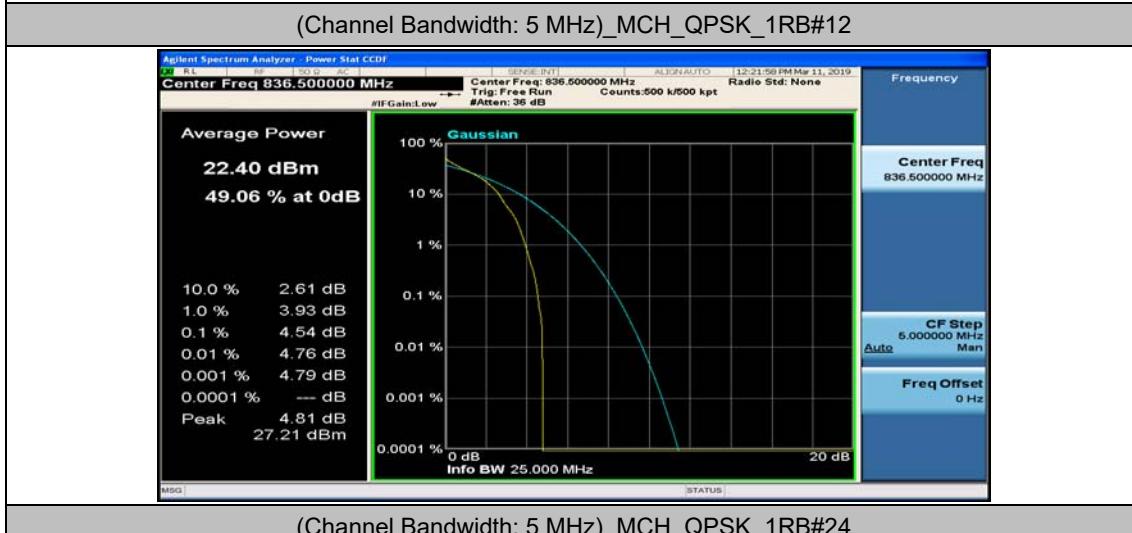
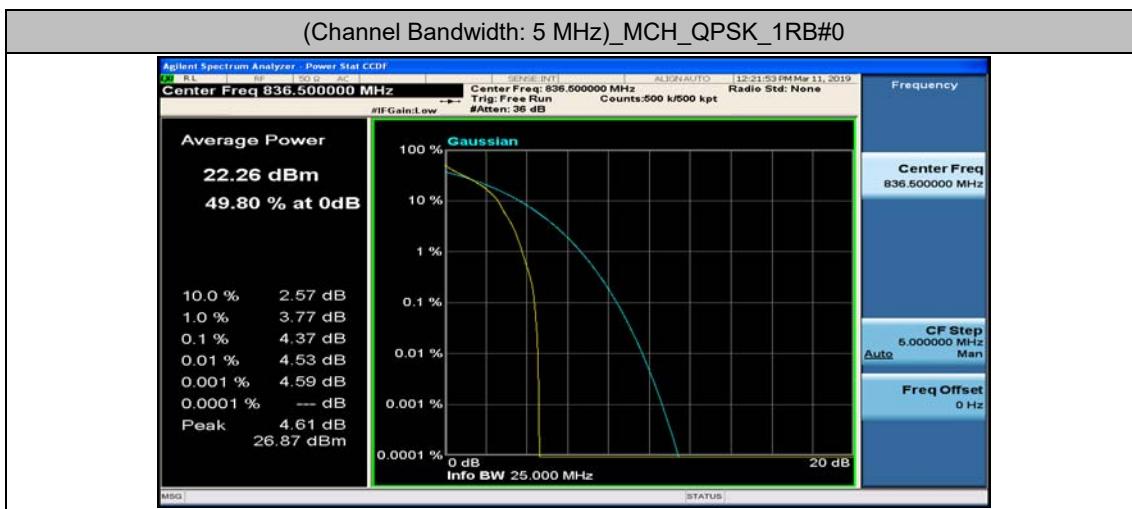
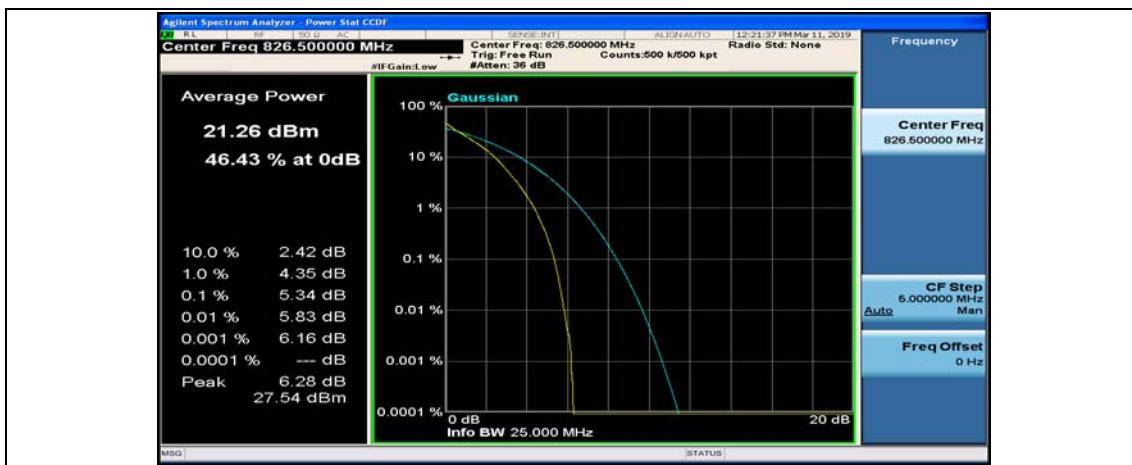




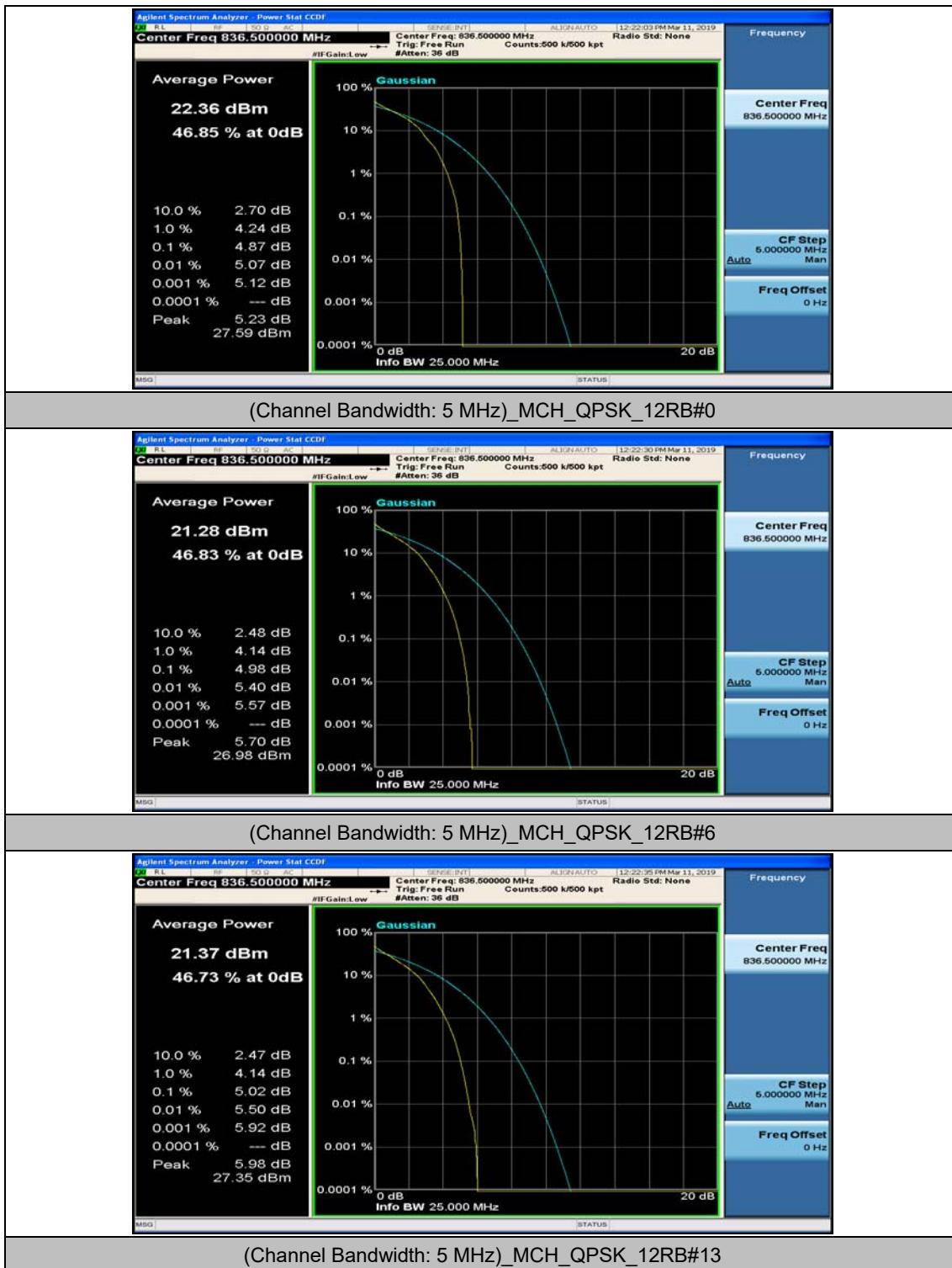
Channel Bandwidth: 5 MHz

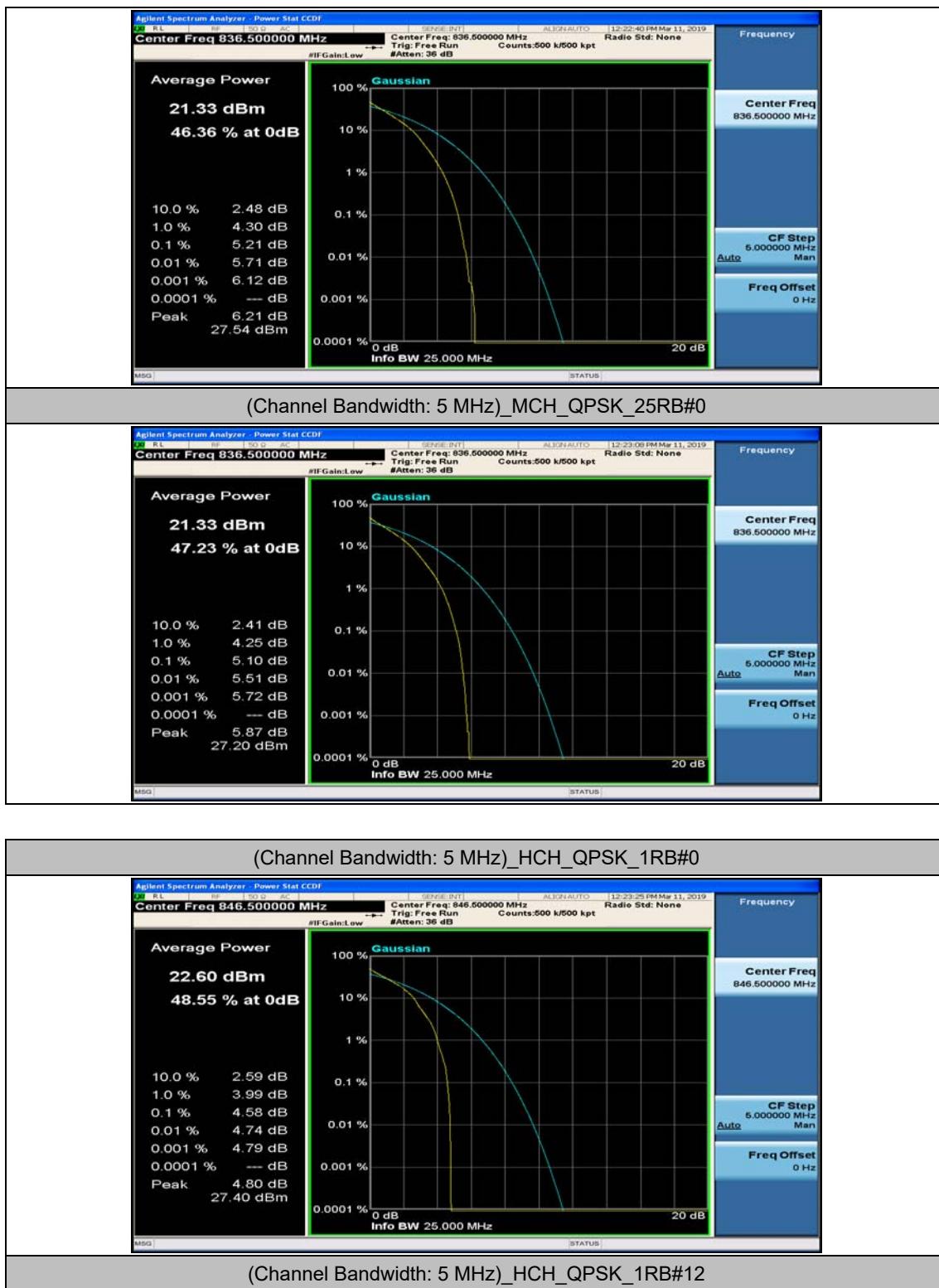


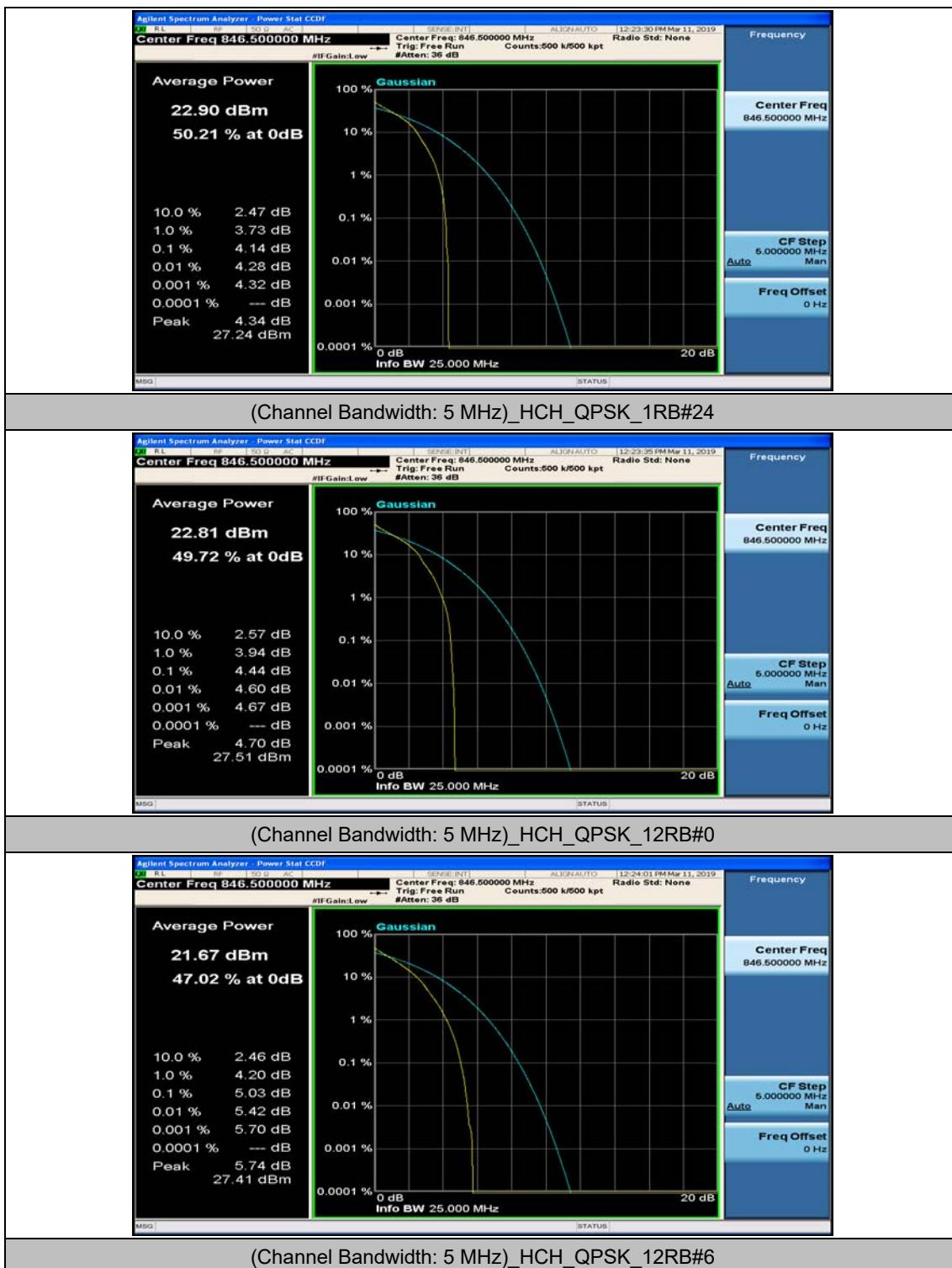


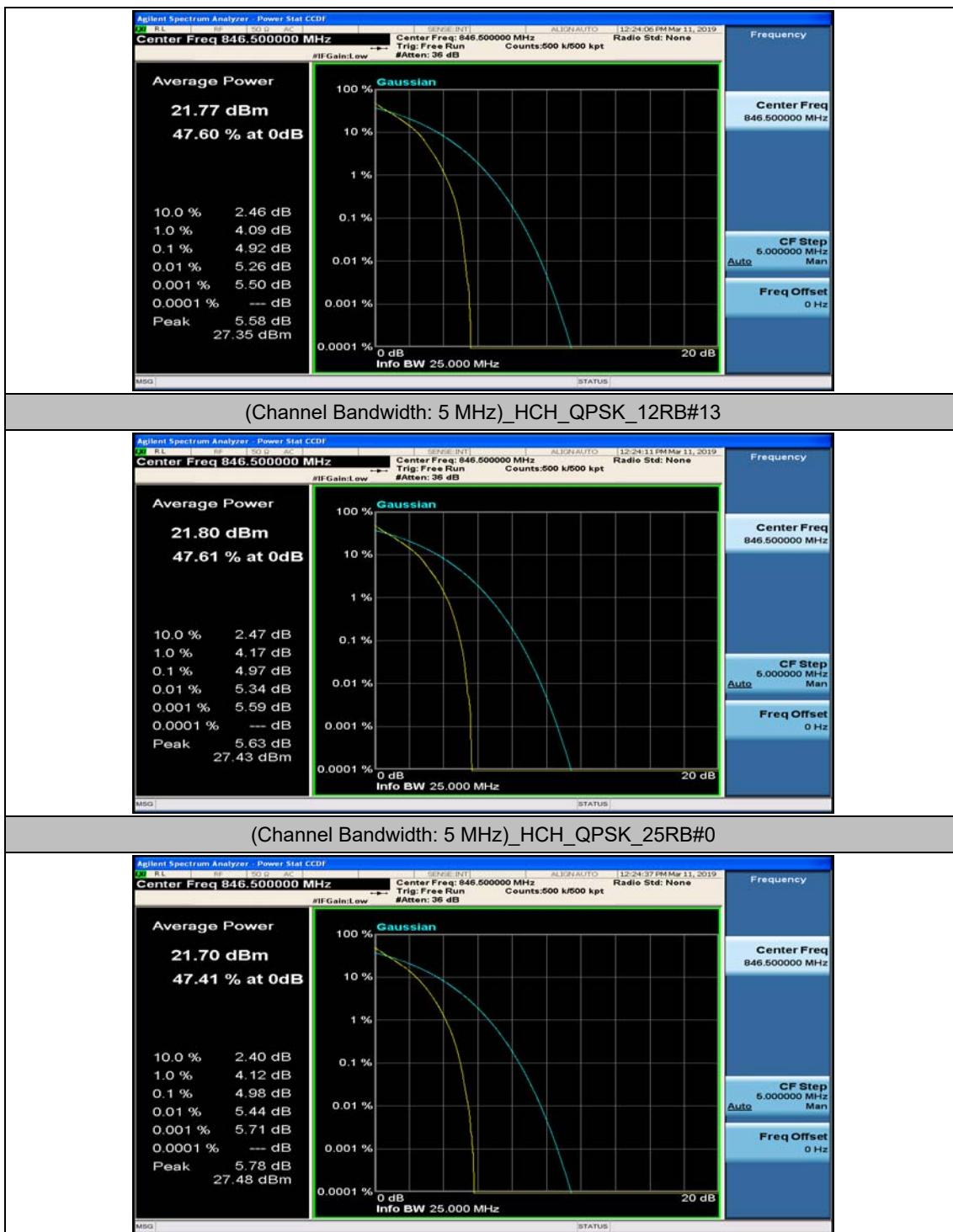


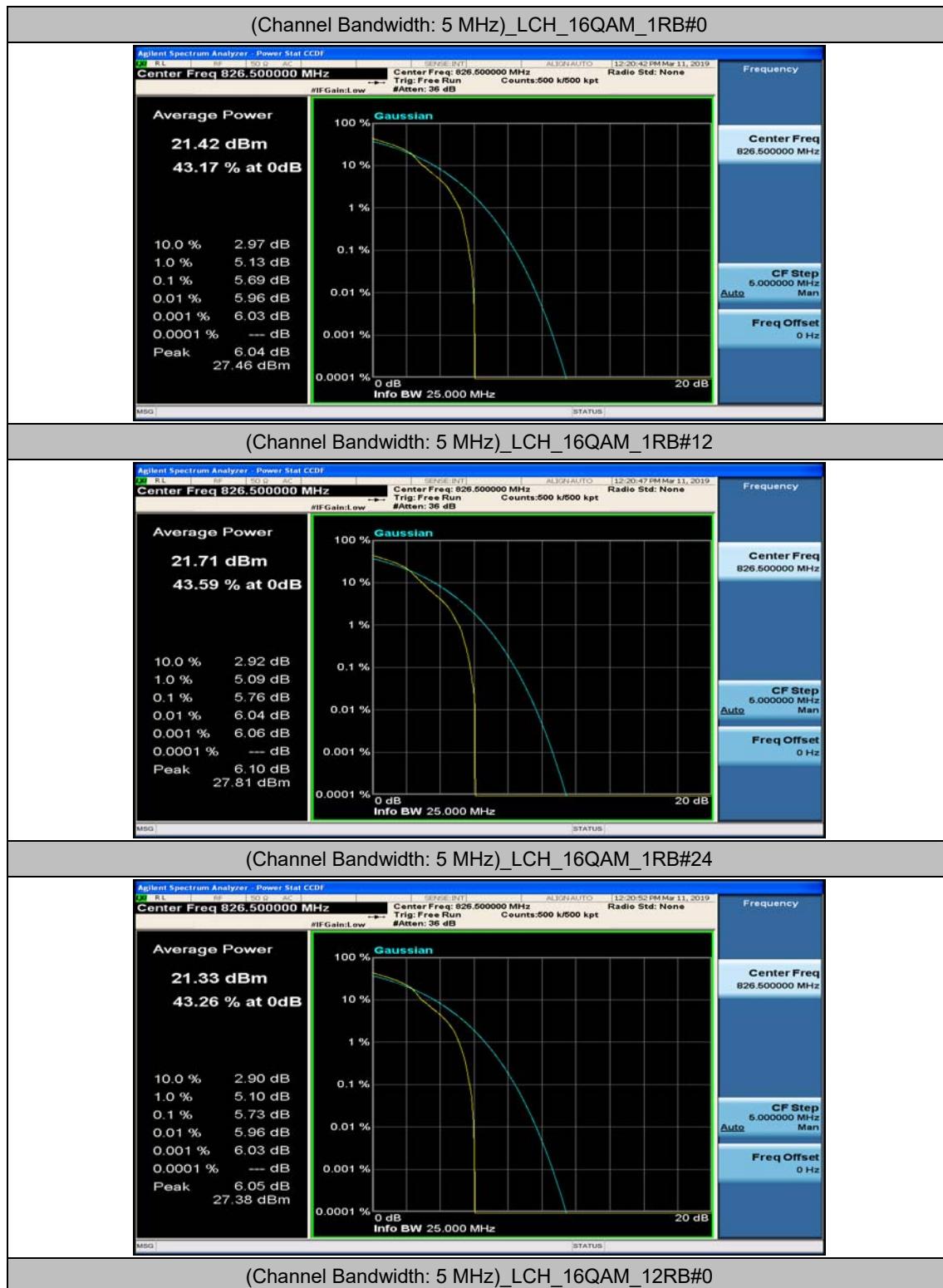
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

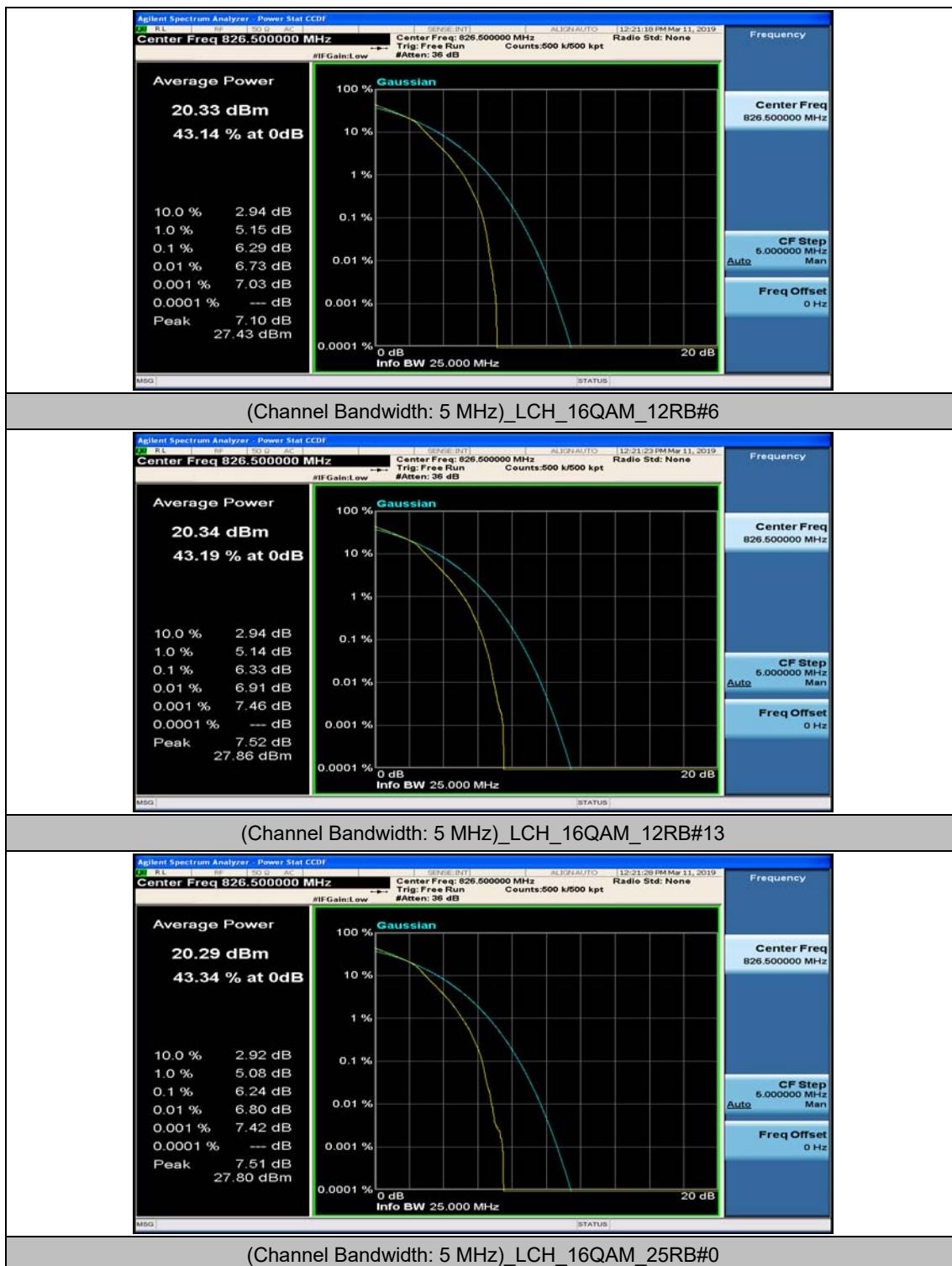


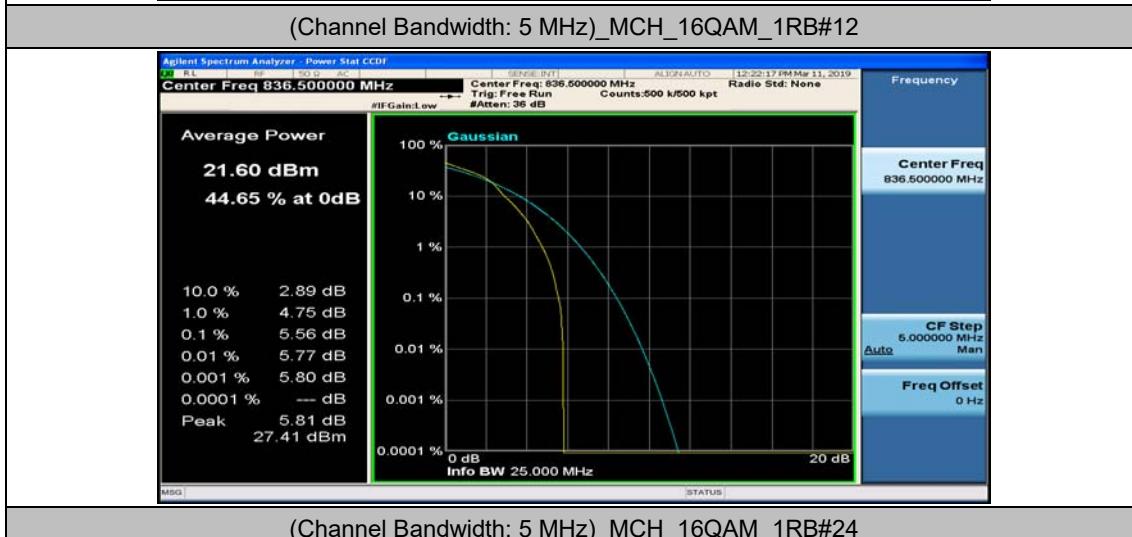
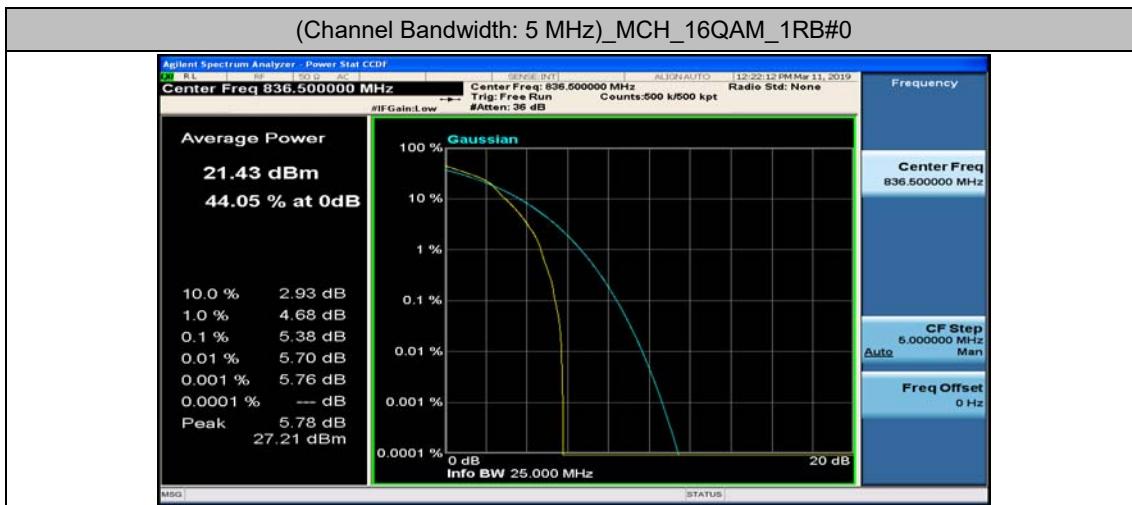
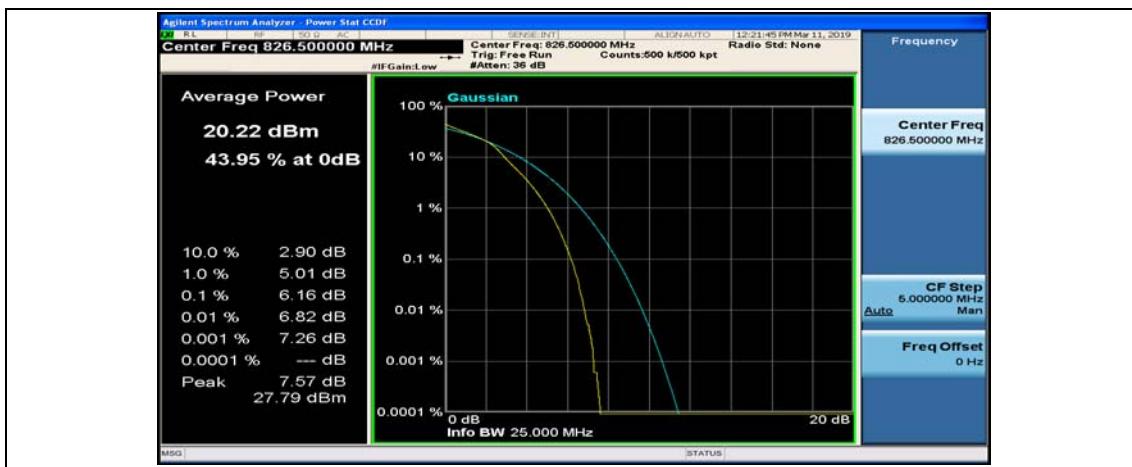




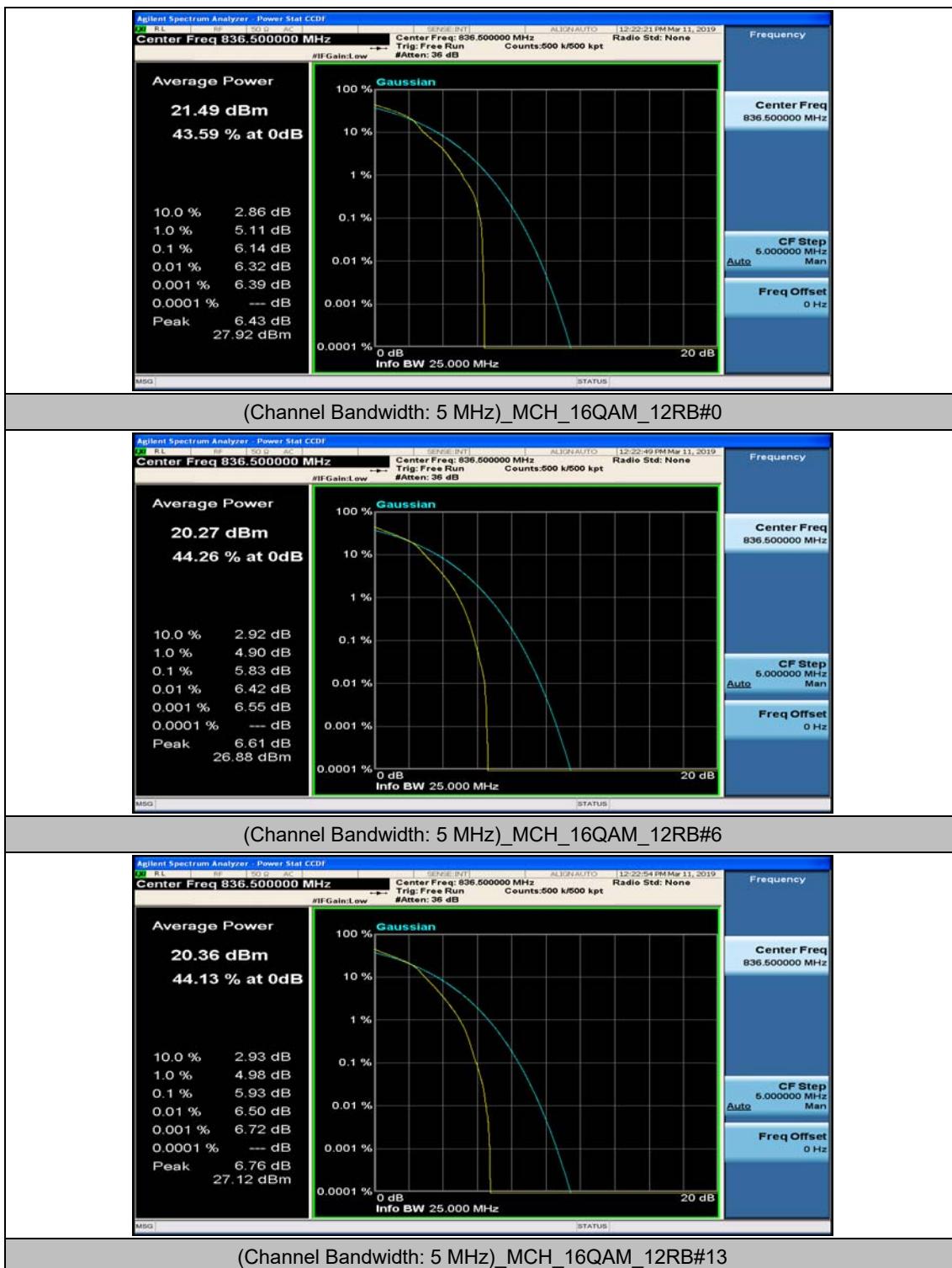


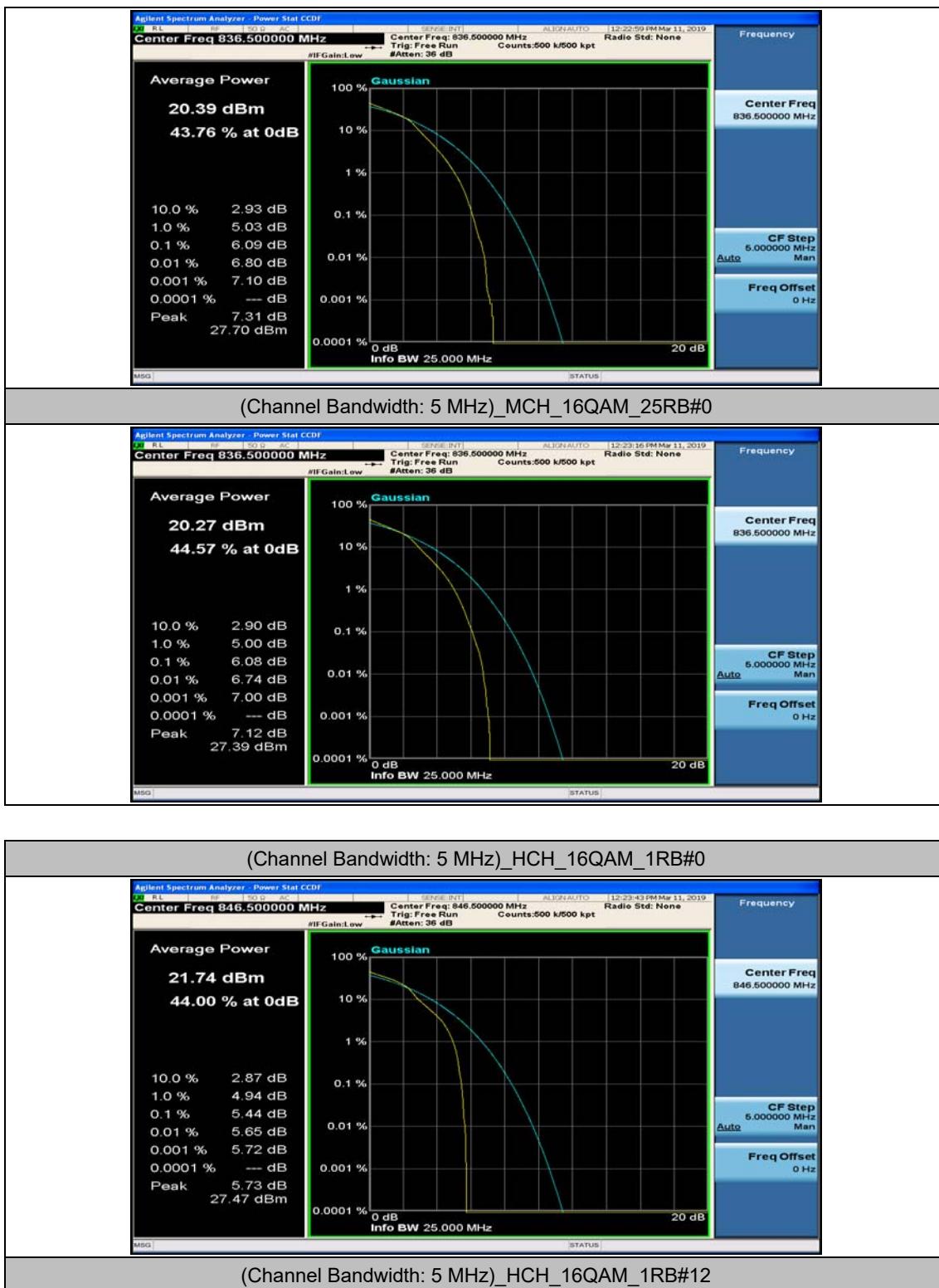


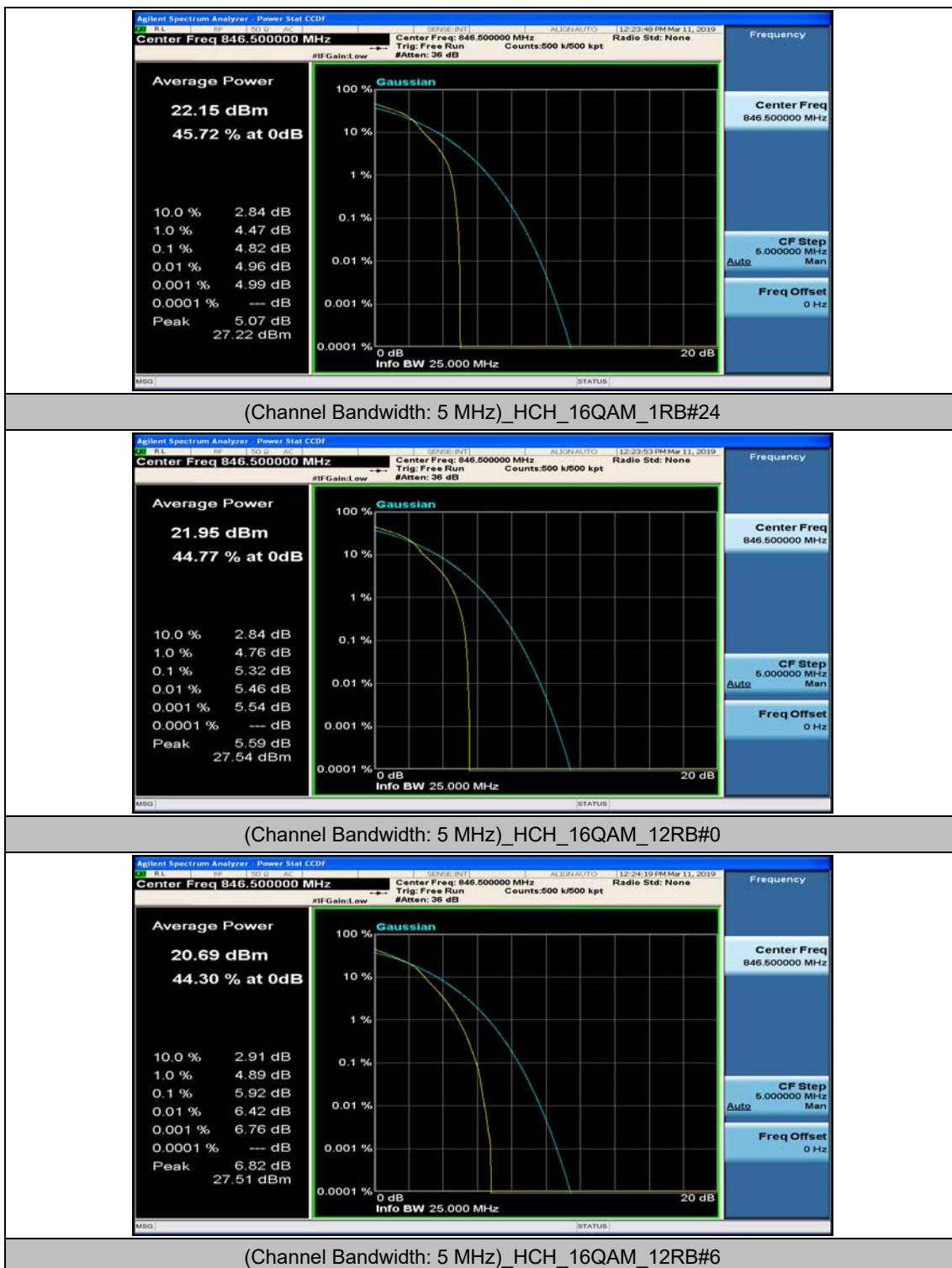


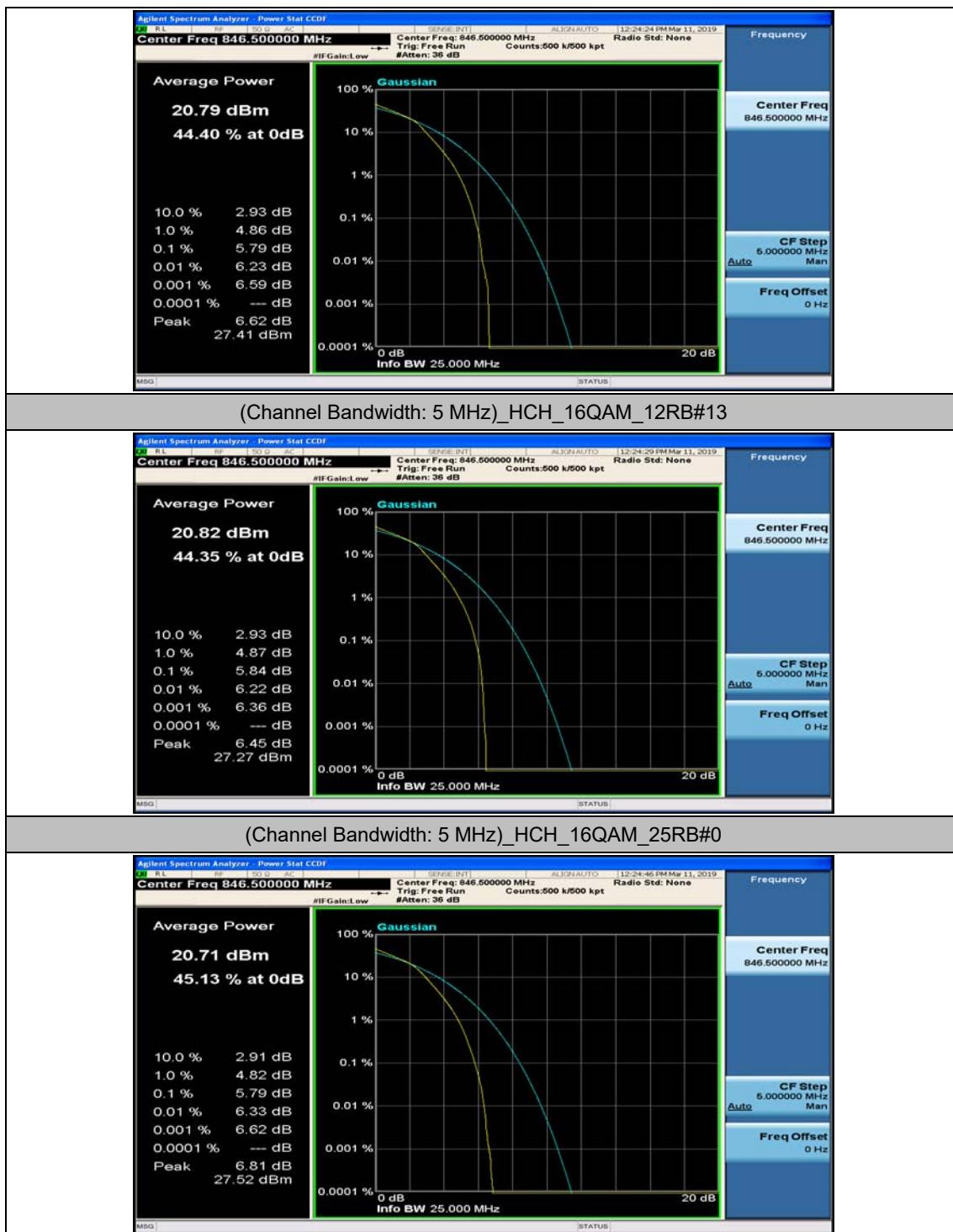


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

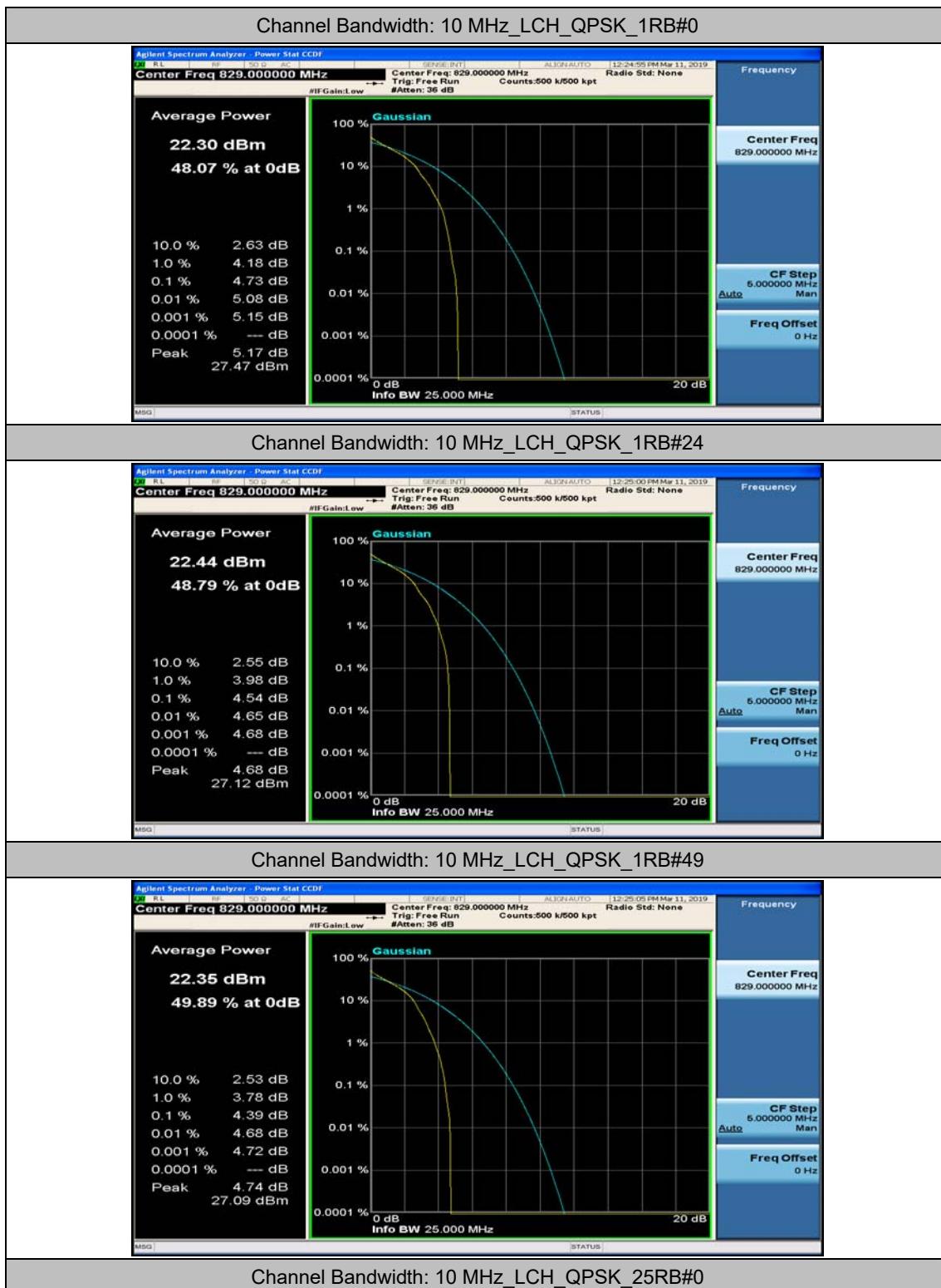


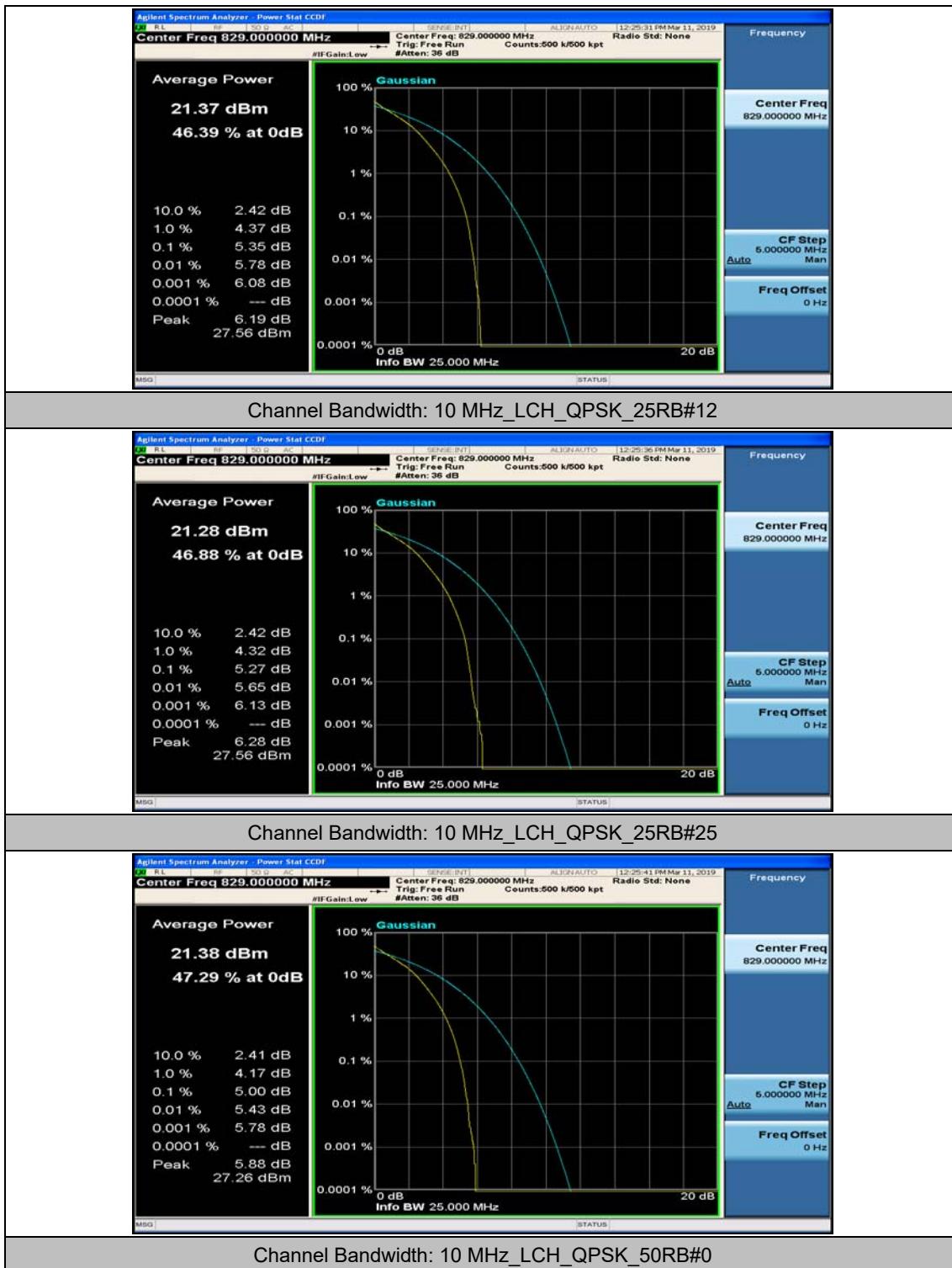


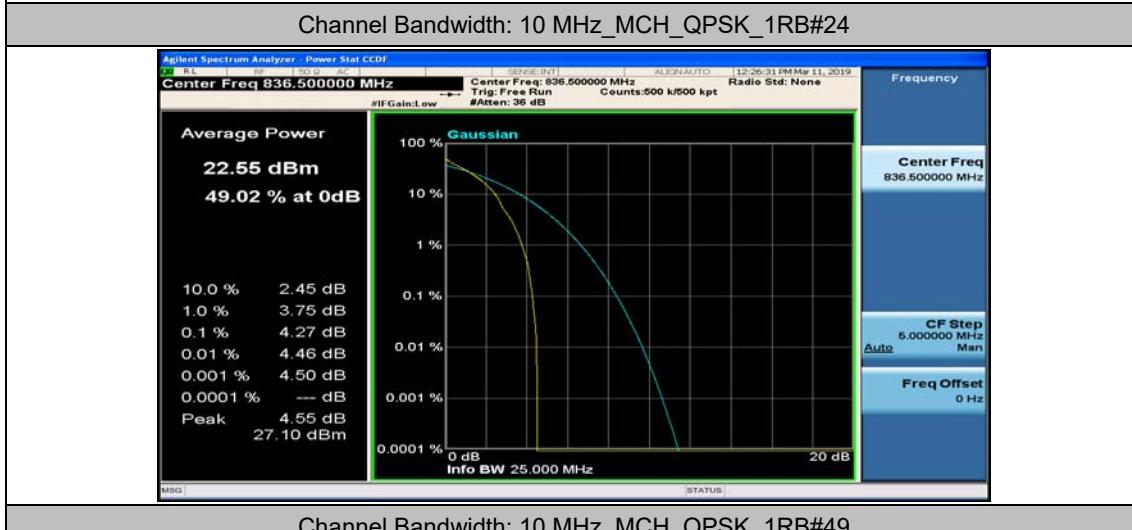
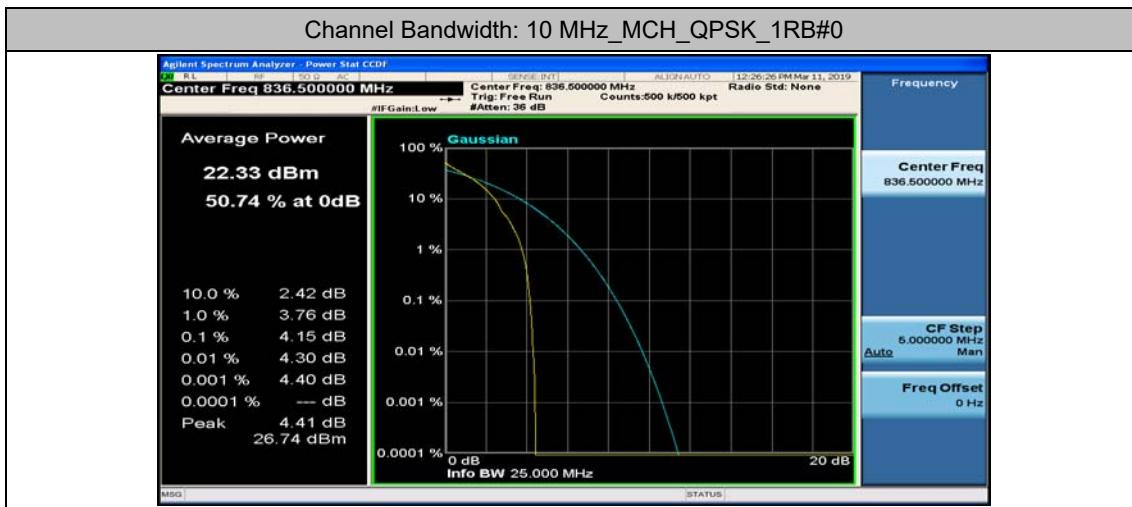
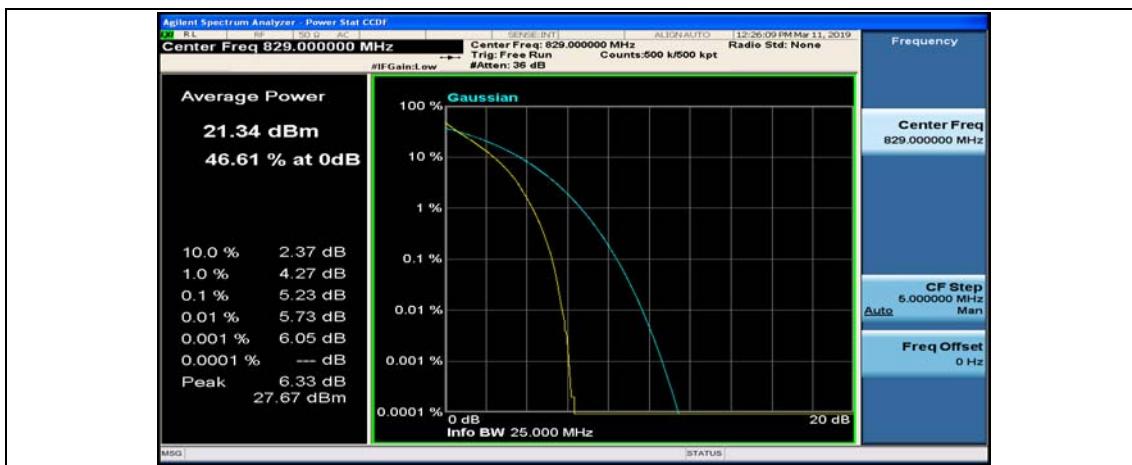




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49