

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	24.32	PASS
		1	3	24.15	PASS
		1	5	23.65	PASS
		3	0	23.15	PASS
		3	2	22.26	PASS
		3	3	22.26	PASS
		6	0	22.28	PASS
	MCH	1	0	23.65	PASS
		1	3	23.17	PASS
		1	5	25.26	PASS
		3	0	22.88	PASS
		3	2	22.47	PASS
		3	3	23.36	PASS
		6	0	22.35	PASS
16QAM	HCH	1	0	23.66	PASS
		1	3	25.17	PASS
		1	5	24.28	PASS
		3	0	23.68	PASS
		3	2	24.21	PASS
		3	3	24.28	PASS
		6	0	24.32	PASS
	LCH	1	0	23.69	PASS
		1	3	23.27	PASS
		1	5	22.66	PASS
		3	0	22.47	PASS
		3	2	22.68	PASS
		3	3	22.68	PASS
		6	0	22.75	PASS
	MCH	1	0	22.36	PASS
		1	3	22.85	PASS
		1	5	24.85	PASS
		3	0	22.69	PASS
		3	2	22.36	PASS

		3	3	22.98	PASS
		6	0	22.87	PASS
HCH	HCH	1	0	23.54	PASS
		1	3	24.26	PASS
		1	5	24.36	PASS
		3	0	22.17	PASS
		3	2	23.26	PASS
		3	3	23.97	PASS
		6	0	22.28	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.35	PASS
		1	7	24.28	PASS
		1	14	24.68	PASS
		8	0	23.31	PASS
		8	4	23.28	PASS
		8	7	23.39	PASS
		15	0	23.37	PASS
	MCH	1	0	23.54	PASS
		1	7	23.25	PASS
		1	14	23.39	PASS
		8	0	22.75	PASS
		8	4	22.71	PASS
		8	7	22.36	PASS
		15	0	22.21	PASS
16QAM	LCH	1	0	24.89	PASS
		1	7	24.46	PASS
		1	14	24.35	PASS
		8	0	24.21	PASS
		8	4	24.28	PASS
		8	7	23.73	PASS
		15	0	23.68	PASS
		1	0	23.28	PASS
	MCH	1	7	23.61	PASS
		1	14	23.39	PASS
		8	0	22.48	PASS
		8	4	22.68	PASS
		8	7	22.39	PASS
		15	0	22.28	PASS
		1	0	22.79	PASS

		1	7	22.69	PASS
		1	14	22.28	PASS
		8	0	22.69	PASS
		8	4	22.17	PASS
		8	7	22.61	PASS
		15	0	22.18	PASS
	HCH	1	0	24.89	PASS
		1	7	24.36	PASS
		1	14	24.28	PASS
		8	0	22.35	PASS
		8	4	22.65	PASS
		8	7	22.17	PASS
		15	0	22.69	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.68	PASS
		1	12	24.87	PASS
		1	24	24.15	PASS
		12	0	23.65	PASS
		12	6	23.17	PASS
		12	13	23.87	PASS
		25	0	23.65	PASS
	MCH	1	0	23.95	PASS
		1	12	23.17	PASS
		1	24	23.28	PASS
		12	0	22.32	PASS
		12	6	22.17	PASS
		12	13	22.26	PASS
		25	0	22.26	PASS
	HCH	1	0	24.28	PASS
		1	12	24.32	PASS
		1	24	25.17	PASS
		12	0	24.21	PASS
		12	6	23.26	PASS
		12	13	23.28	PASS
		25	0	23.65	PASS
16QAM	LCH	1	0	23.75	PASS
		1	12	23.36	PASS
		1	24	23.27	PASS
		12	0	22.58	PASS

		12	6	22.25	PASS
		12	13	22.75	PASS
		25	0	22.39	PASS
MCH	MCH	1	0	22.85	PASS
		1	12	22.65	PASS
		1	24	23.25	PASS
		12	0	22.39	PASS
		12	6	22.27	PASS
		12	13	22.84	PASS
		25	0	22.68	PASS
HCH	HCH	1	0	23.67	PASS
		1	12	23.28	PASS
		1	24	23.36	PASS
		12	0	23.88	PASS
		12	6	22.62	PASS
		12	13	22.28	PASS
		25	0	22.26	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.65	PASS
		1	24	23.28	PASS
		1	49	23.65	PASS
		25	0	23.17	PASS
		25	12	23.26	PASS
		25	25	23.87	PASS
		50	0	23.24	PASS
	MCH	1	0	23.26	PASS
		1	24	23.58	PASS
		1	49	23.36	PASS
		25	0	22.41	PASS
		25	12	22.35	PASS
		25	25	22.25	PASS
		50	0	22.75	PASS
	HCH	1	0	24.68	PASS
		1	24	24.47	PASS
		1	49	24.66	PASS
		25	0	23.85	PASS
		25	12	23.23	PASS
		25	25	23.35	PASS
		50	0	23.74	PASS

16QAM	LCH	1	0	23.81	PASS
		1	24	23.25	PASS
		1	49	23.65	PASS
		25	0	22.28	PASS
		25	12	22.26	PASS
		25	25	22.36	PASS
		50	0	22.17	PASS
	MCH	1	0	22.22	PASS
		1	24	22.39	PASS
		1	49	22.27	PASS
		25	0	22.57	PASS
		25	12	22.39	PASS
		25	25	22.37	PASS
		50	0	22.73	PASS
	HCH	1	0	24.21	PASS
		1	24	23.28	PASS
		1	49	23.36	PASS
		25	0	22.84	PASS
		25	12	23.05	PASS
		25	25	22.18	PASS
		50	0	22.28	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.78	PASS
		1	37	23.26	PASS
		1	74	23.21	PASS
		37	0	22.89	PASS
		37	18	22.65	PASS
		37	38	22.28	PASS
		75	0	23.28	PASS
	MCH	1	0	23.17	PASS
		1	37	23.59	PASS
		1	74	24.65	PASS
		37	0	22.36	PASS
		37	18	22.27	PASS
		37	38	23.28	PASS
		75	0	22.65	PASS
	HCH	1	0	24.17	PASS
		1	37	25.14	PASS
		1	74	25.26	PASS

		37	0	24.29	PASS
		37	18	24.38	PASS
		37	38	24.24	PASS
		75	0	23.24	PASS
16QAM	LCH	1	0	23.87	PASS
		1	37	23.26	PASS
		1	74	22.21	PASS
		37	0	22.29	PASS
		37	18	22.28	PASS
		37	38	22.26	PASS
		75	0	22.42	PASS
	MCH	1	0	22.36	PASS
		1	37	22.27	PASS
		1	74	23.98	PASS
		37	0	22.48	PASS
		37	18	22.55	PASS
		37	38	22.26	PASS
		75	0	22.69	PASS
	HCH	1	0	23.72	PASS
		1	37	24.88	PASS
		1	74	24.36	PASS
		37	0	23.58	PASS
		37	18	23.18	PASS
		37	38	23.65	PASS
		75	0	23.15	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	25.35	PASS
		1	49	24.26	PASS
		1	99	24.65	PASS
		50	0	24.28	PASS
		50	25	24.65	PASS
		50	50	24.28	PASS
		100	0	23.18	PASS
	MCH	1	0	24.26	PASS
		1	49	24.21	PASS
		1	99	23.26	PASS
		50	0	23.35	PASS
		50	25	23.65	PASS
		50	50	23.18	PASS

		100	0	22.32	PASS
HCH	HCH	1	0	24.21	PASS
		1	49	24.54	PASS
		1	99	24.32	PASS
		50	0	24.65	PASS
		50	25	24.47	PASS
		50	50	24.65	PASS
		100	0	24.47	PASS
16QAM	LCH	1	0	23.54	PASS
		1	49	23.65	PASS
		1	99	23.17	PASS
		50	0	23.65	PASS
		50	25	23.17	PASS
		50	50	23.28	PASS
		100	0	22.36	PASS
	MCH	1	0	22.28	PASS
		1	49	22.21	PASS
		1	99	22.75	PASS
		50	0	22.85	PASS
		50	25	22.69	PASS
		50	50	22.28	PASS
		100	0	22.36	PASS
	HCH	1	0	24.26	PASS
		1	49	24.02	PASS
		1	99	24.12	PASS
		50	0	23.58	PASS
		50	25	23.36	PASS
		50	50	23.28	PASS
		100	0	23.69	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	5.88	<13	PASS
		1	3	6.29	<13	PASS
		1	5	5.86	<13	PASS
		3	0	6.06	<13	PASS
		3	2	5.9	<13	PASS
		3	3	6	<13	PASS
		6	0	6.07	<13	PASS
	MCH	1	0	6.03	<13	PASS
		1	3	5.93	<13	PASS
		1	5	6.15	<13	PASS
		3	0	6.09	<13	PASS
		3	2	5.84	<13	PASS
		3	3	6.07	<13	PASS
		6	0	6.21	<13	PASS
16QAM	LCH	1	0	5.96	<13	PASS
		1	3	6.12	<13	PASS
		1	5	5.85	<13	PASS
		3	0	6.05	<13	PASS
		3	2	5.96	<13	PASS
		3	3	5.87	<13	PASS
		6	0	6.09	<13	PASS
	MCH	1	0	6.99	<13	PASS
		1	3	6.89	<13	PASS
		1	5	6.8	<13	PASS
		3	0	7	<13	PASS
		3	2	6.87	<13	PASS
		3	3	7.18	<13	PASS
		6	0	7.02	<13	PASS

		3	2	6.62	<13	PASS
		3	3	7.32	<13	PASS
		6	0	7.03	<13	PASS
HCH		1	0	6.66	<13	PASS
		1	3	6.71	<13	PASS
		1	5	6.81	<13	PASS
		3	0	7.04	<13	PASS
		3	2	6.9	<13	PASS
		3	3	6.64	<13	PASS
		6	0	7.18	<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	6.09	<13	PASS
		1	7	5.7	<13	PASS
		1	14	5.84	<13	PASS
		8	0	5.99	<13	PASS
		8	4	6.17	<13	PASS
		8	7	6.12	<13	PASS
		15	0	6.14	<13	PASS
	MCH	1	0	5.78	<13	PASS
		1	7	5.82	<13	PASS
		1	14	5.92	<13	PASS
		8	0	6.05	<13	PASS
		8	4	6.1	<13	PASS
		8	7	6.01	<13	PASS
		15	0	6.06	<13	PASS
	HCH	1	0	5.55	<13	PASS
		1	7	5.5	<13	PASS
		1	14	5.72	<13	PASS
		8	0	5.97	<13	PASS
		8	4	6.04	<13	PASS
		8	7	6	<13	PASS
		15	0	6.04	<13	PASS
16QAM	LCH	1	0	7.07	<13	PASS
		1	7	6.43	<13	PASS
		1	14	7.04	<13	PASS
		8	0	6.78	<13	PASS
		8	4	6.73	<13	PASS

		8	7	6.73	<13	PASS
		15	0	7.03	<13	PASS
MCH		1	0	7.23	<13	PASS
		1	7	7.03	<13	PASS
		1	14	7.14	<13	PASS
		8	0	6.62	<13	PASS
		8	4	6.83	<13	PASS
		8	7	6.56	<13	PASS
		15	0	6.99	<13	PASS
HCH		1	0	6.61	<13	PASS
		1	7	6.56	<13	PASS
		1	14	6.48	<13	PASS
		8	0	6.62	<13	PASS
		8	4	6.6	<13	PASS
		8	7	6.67	<13	PASS
		15	0	6.74	<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	5.57	<13	PASS
		1	12	5.72	<13	PASS
		1	24	5.65	<13	PASS
		12	0	6.13	<13	PASS
		12	6	6.01	<13	PASS
		12	13	5.98	<13	PASS
		25	0	6.17	<13	PASS
	MCH	1	0	5.63	<13	PASS
		1	12	5.82	<13	PASS
		1	24	5.57	<13	PASS
		12	0	6.05	<13	PASS
		12	6	6.04	<13	PASS
		12	13	6.14	<13	PASS
		25	0	6.19	<13	PASS
	HCH	1	0	5.9	<13	PASS
		1	12	5.99	<13	PASS
		1	24	5.98	<13	PASS
		12	0	5.98	<13	PASS
		12	6	5.99	<13	PASS
		12	13	5.99	<13	PASS

		25	0	6.14	<13	PASS
16QAM	LCH	1	0	6.58	<13	PASS
		1	12	6.61	<13	PASS
		1	24	6.54	<13	PASS
		12	0	6.81	<13	PASS
		12	6	7.03	<13	PASS
		12	13	6.71	<13	PASS
		25	0	6.95	<13	PASS
	MCH	1	0	6.5	<13	PASS
		1	12	6.6	<13	PASS
		1	24	6.59	<13	PASS
		12	0	6.82	<13	PASS
		12	6	6.74	<13	PASS
		12	13	6.81	<13	PASS
		25	0	6.86	<13	PASS
	HCH	1	0	6.65	<13	PASS
		1	12	6.49	<13	PASS
		1	24	6.36	<13	PASS
		12	0	7.12	<13	PASS
		12	6	6.9	<13	PASS
		12	13	7.06	<13	PASS
		25	0	6.75	<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	5.72	<13	PASS
		1	24	5.78	<13	PASS
		1	49	6.04	<13	PASS
		25	0	6.1	<13	PASS
		25	12	6.1	<13	PASS
		25	25	6.07	<13	PASS
		50	0	6.09	<13	PASS
	MCH	1	0	5.98	<13	PASS
		1	24	6.05	<13	PASS
		1	49	6.02	<13	PASS
		25	0	6.04	<13	PASS
		25	12	6.06	<13	PASS
		25	25	6.02	<13	PASS
		50	0	6.03	<13	PASS

		1	0	6.01	<13	PASS
		1	24	5.64	<13	PASS
		1	49	5.88	<13	PASS
	HCH	25	0	5.91	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.96	<13	PASS
		50	0	5.8	<13	PASS
16QAM	LCH	1	0	6.92	<13	PASS
		1	24	6.63	<13	PASS
		1	49	6.94	<13	PASS
		25	0	6.89	<13	PASS
		25	12	6.93	<13	PASS
		25	25	6.84	<13	PASS
		50	0	6.81	<13	PASS
	MCH	1	0	7.2	<13	PASS
		1	24	7.09	<13	PASS
		1	49	7.13	<13	PASS
		25	0	6.88	<13	PASS
		25	12	6.79	<13	PASS
		25	25	6.93	<13	PASS
		50	0	6.71	<13	PASS
	HCH	1	0	6.69	<13	PASS
		1	24	6.75	<13	PASS
		1	49	6.94	<13	PASS
		25	0	6.8	<13	PASS
		25	12	6.71	<13	PASS
		25	25	6.71	<13	PASS
		50	0	6.57	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	6.04	<13	PASS
		1	37	5.85	<13	PASS
		1	74	5.76	<13	PASS
		37	0	6.04	<13	PASS
		37	18	6.04	<13	PASS
		37	38	6.02	<13	PASS
		75	0	6.31	<13	PASS
	MCH	1	0	6.02	<13	PASS

	16QAM	HCH	1	37	5.83	<13	PASS
			1	74	6.06	<13	PASS
			37	0	6.02	<13	PASS
			37	18	6.03	<13	PASS
			37	38	6.05	<13	PASS
			75	0	6.32	<13	PASS
		LCH	1	0	5.6	<13	PASS
			1	37	5.61	<13	PASS
			1	74	5.99	<13	PASS
			37	0	5.94	<13	PASS
			37	18	5.89	<13	PASS
			37	38	5.9	<13	PASS
			75	0	6.04	<13	PASS
		MCH	1	0	6.61	<13	PASS
			1	37	6.87	<13	PASS
			1	74	7	<13	PASS
			37	0	6.83	<13	PASS
			37	18	6.89	<13	PASS
			37	38	6.79	<13	PASS
			75	0	6.87	<13	PASS
		HCH	1	0	6.63	<13	PASS
			1	37	6.93	<13	PASS
			1	74	7.2	<13	PASS
			37	0	6.73	<13	PASS
			37	18	6.83	<13	PASS
			37	38	6.79	<13	PASS
			75	0	6.82	<13	PASS
		LCH	1	0	6.97	<13	PASS
			1	37	6.77	<13	PASS
			1	74	6.77	<13	PASS
			37	0	6.68	<13	PASS
			37	18	6.68	<13	PASS
			37	38	6.71	<13	PASS
			75	0	6.52	<13	PASS

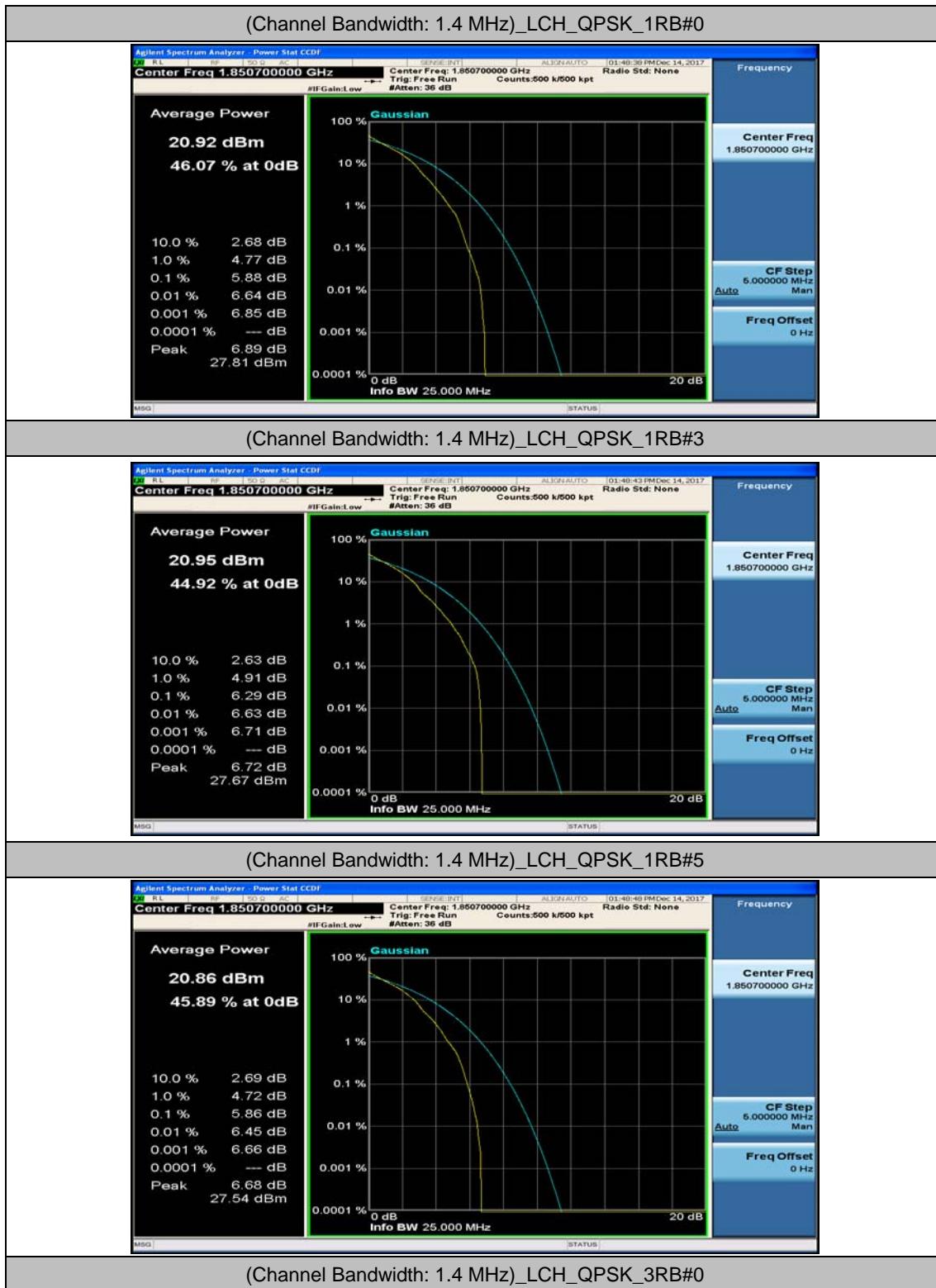
Channel Bandwidth: 20 MHz

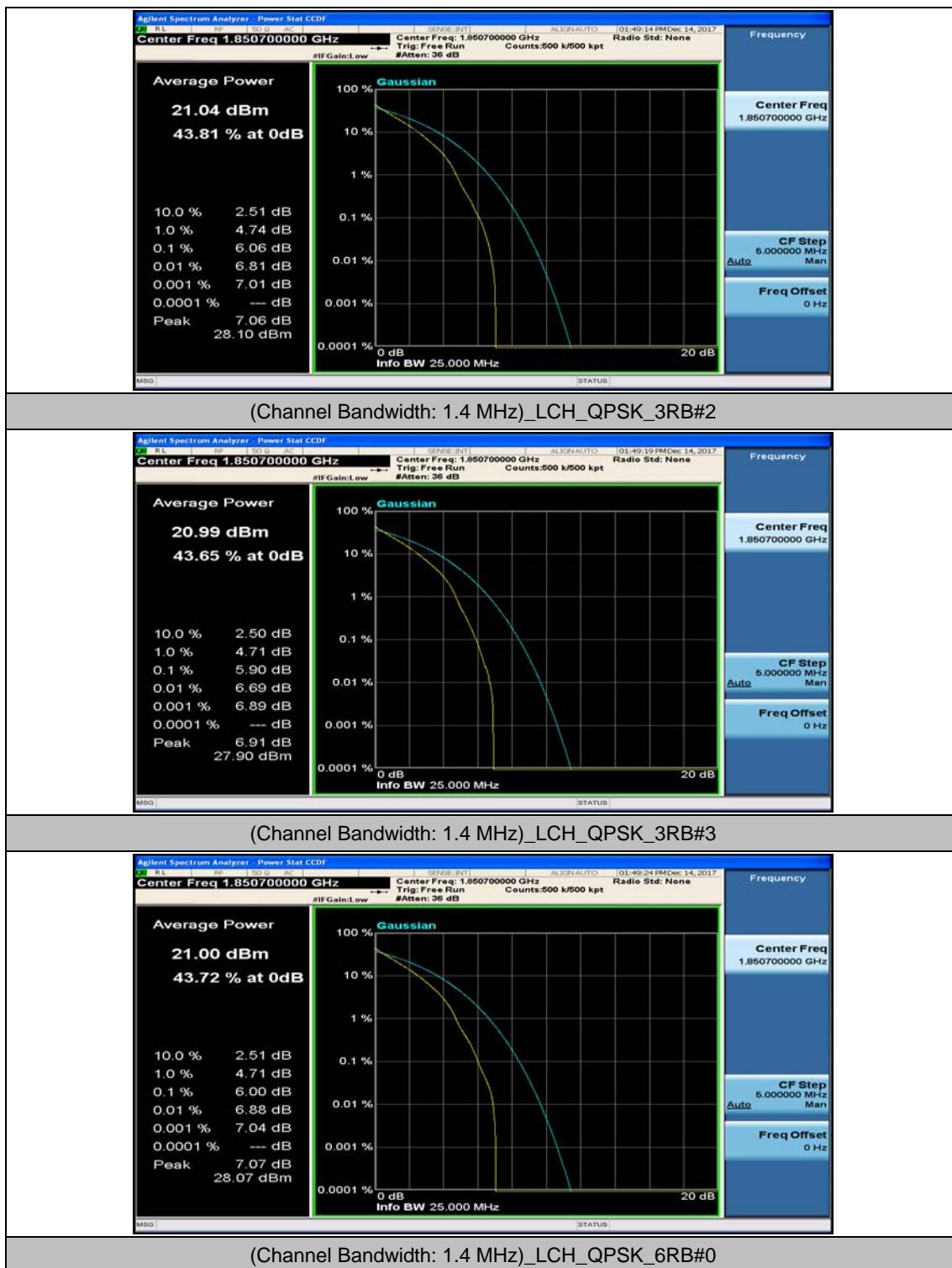
Channel Bandwidth: 20 MHz							
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict	
		Size	Offset				
QPSK	LCH	1	0	5.72	<13	PASS	
		1	49	5.59	<13	PASS	

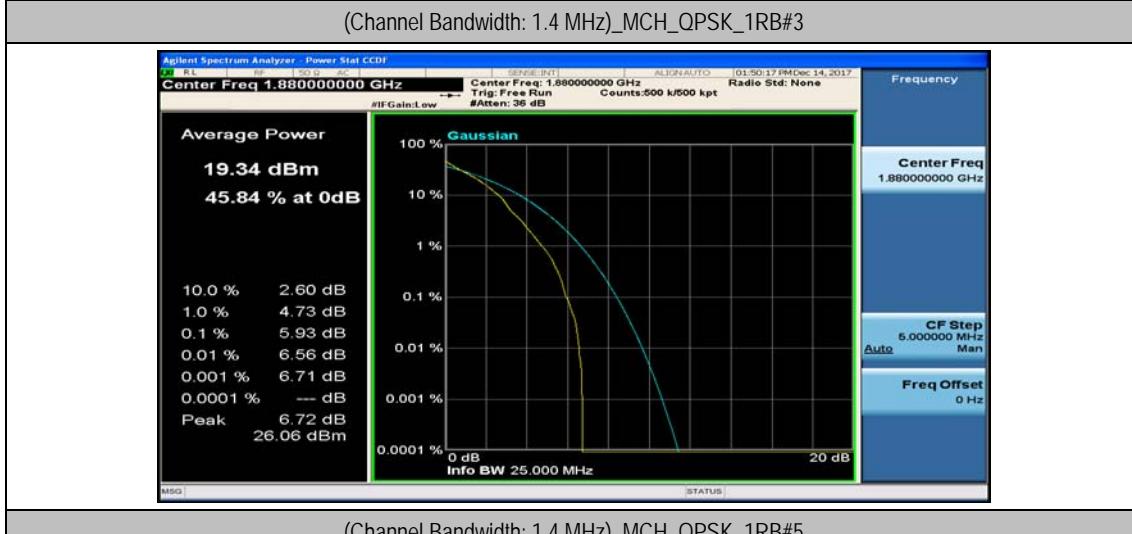
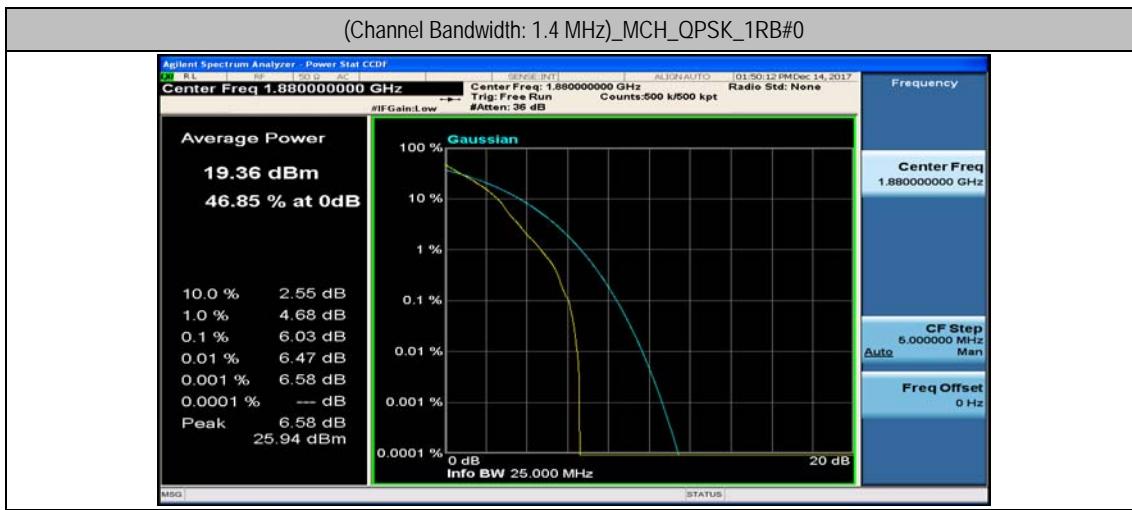
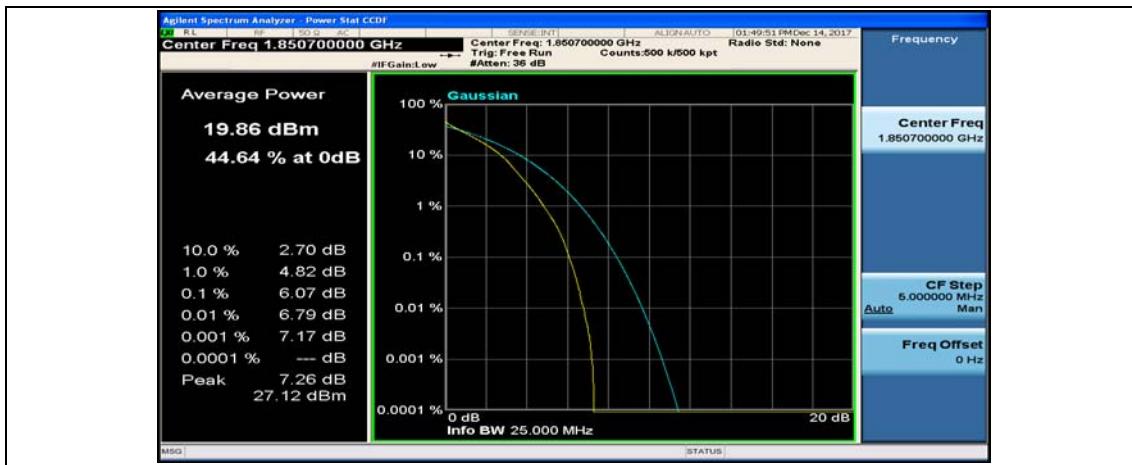
		1	99	5.7	<13	PASS
		50	0	6.02	<13	PASS
		50	25	6.05	<13	PASS
		50	50	6.02	<13	PASS
		100	0	5.92	<13	PASS
	MCH	1	0	5.83	<13	PASS
		1	49	5.73	<13	PASS
		1	99	5.59	<13	PASS
		50	0	5.98	<13	PASS
		50	25	6.01	<13	PASS
		50	50	6.05	<13	PASS
		100	0	5.89	<13	PASS
	HCH	1	0	6.06	<13	PASS
		1	49	5.63	<13	PASS
		1	99	5.71	<13	PASS
		50	0	6	<13	PASS
		50	25	5.94	<13	PASS
		50	50	5.75	<13	PASS
		100	0	5.73	<13	PASS
	LCH	1	0	6.75	<13	PASS
		1	49	7.03	<13	PASS
		1	99	6.96	<13	PASS
		50	0	6.77	<13	PASS
		50	25	6.78	<13	PASS
		50	50	6.78	<13	PASS
		100	0	6.65	<13	PASS
	MCH	1	0	6.8	<13	PASS
		1	49	7.26	<13	PASS
		1	99	7	<13	PASS
		50	0	6.75	<13	PASS
		50	25	6.76	<13	PASS
		50	50	6.76	<13	PASS
		100	0	6.65	<13	PASS
	HCH	1	0	7.47	<13	PASS
		1	49	7.29	<13	PASS
		1	99	7.14	<13	PASS
		50	0	6.73	<13	PASS
		50	25	6.74	<13	PASS
		50	50	6.64	<13	PASS
		100	0	6.59	<13	PASS

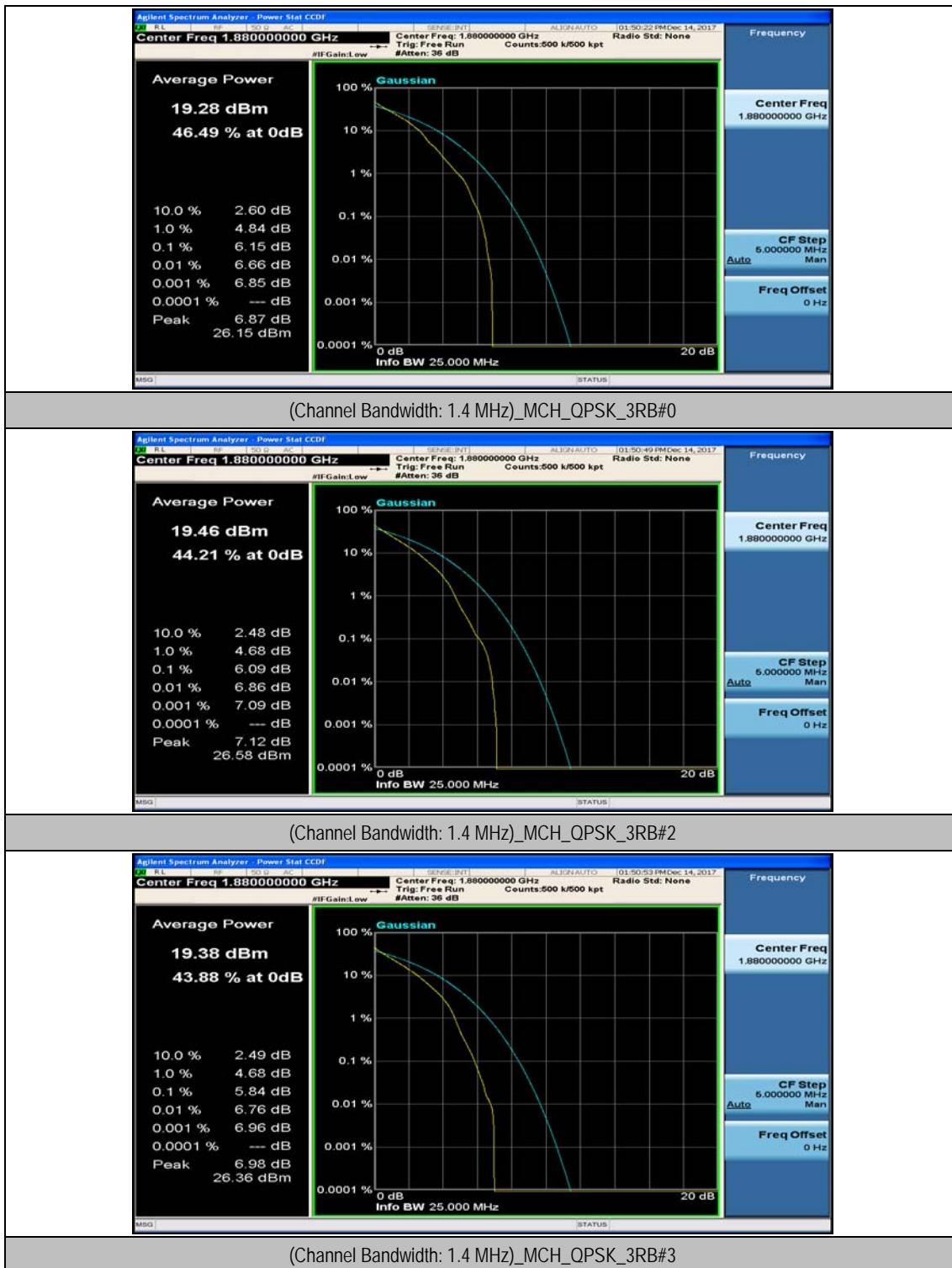
Test Graphs

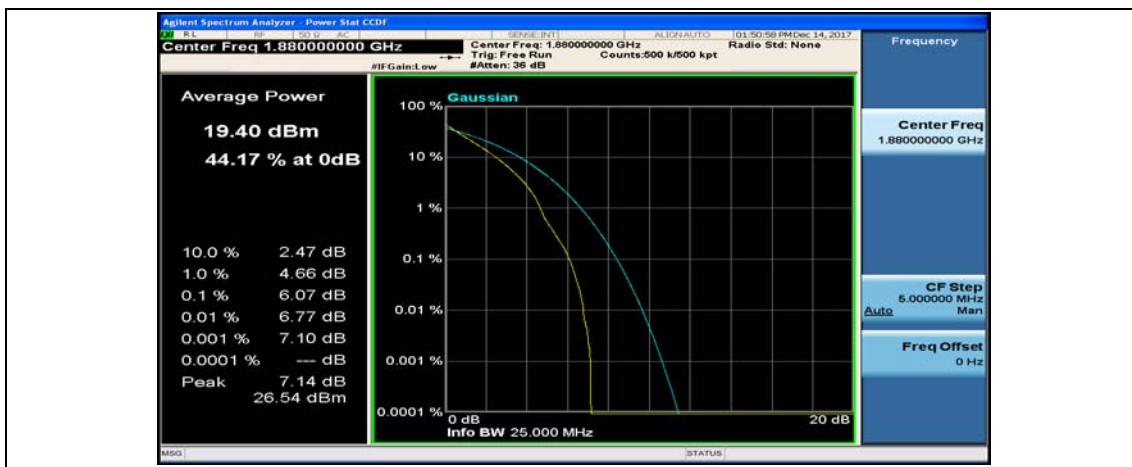
Channel Bandwidth: 1.4 MHz



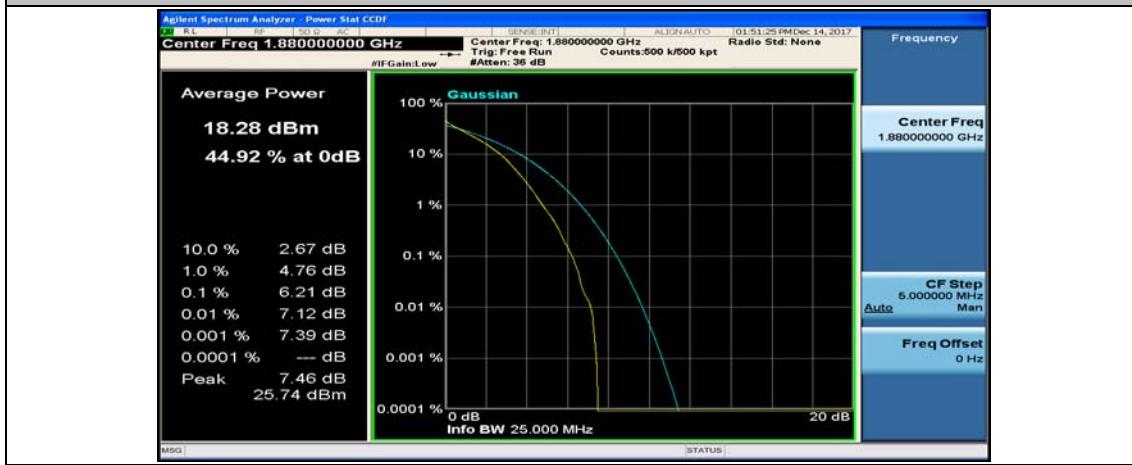




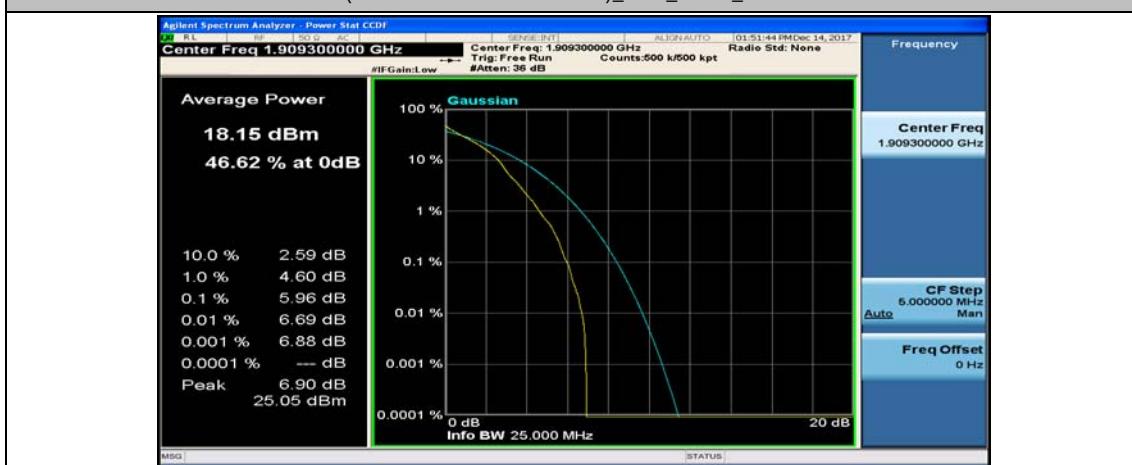




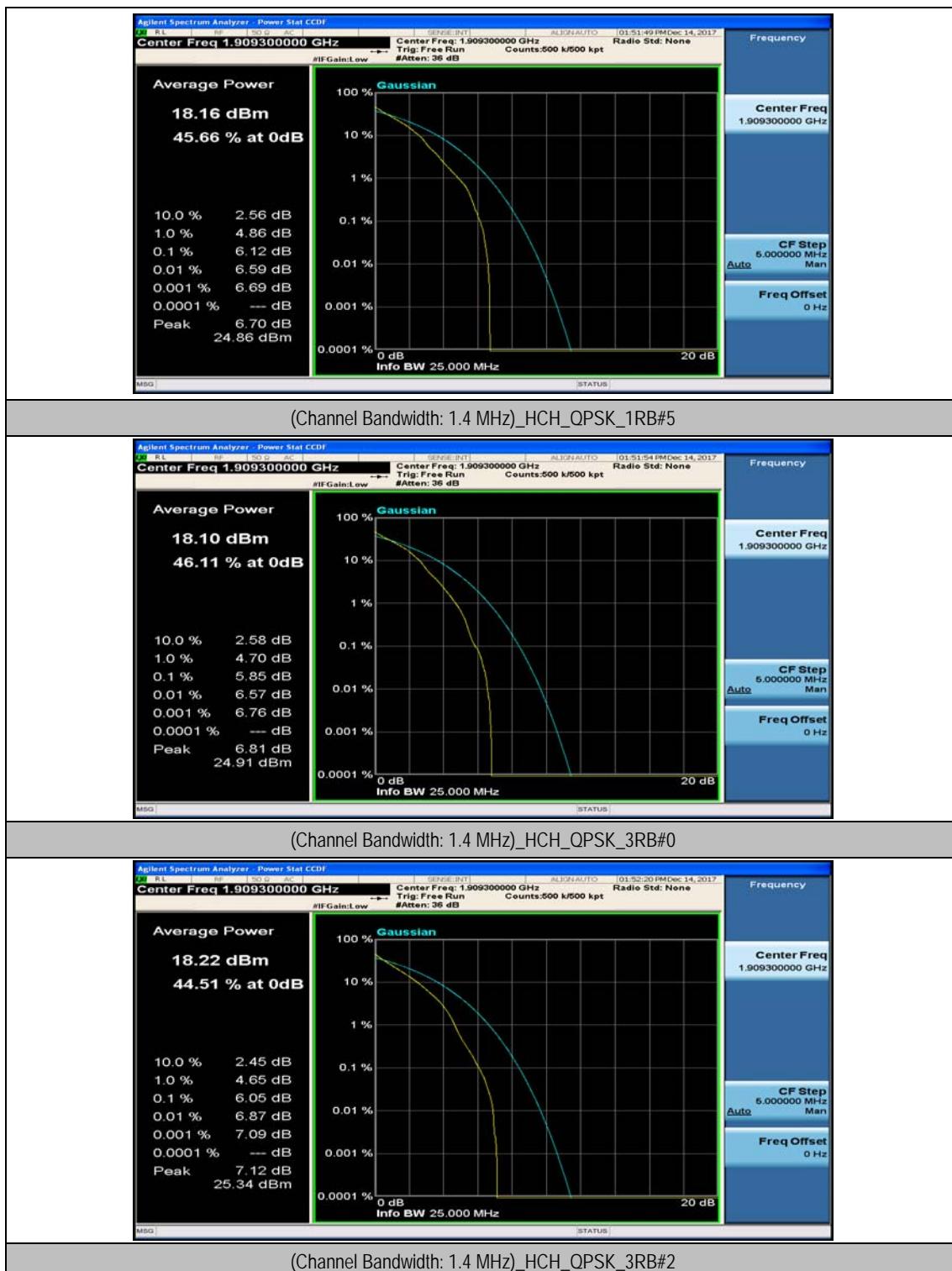
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

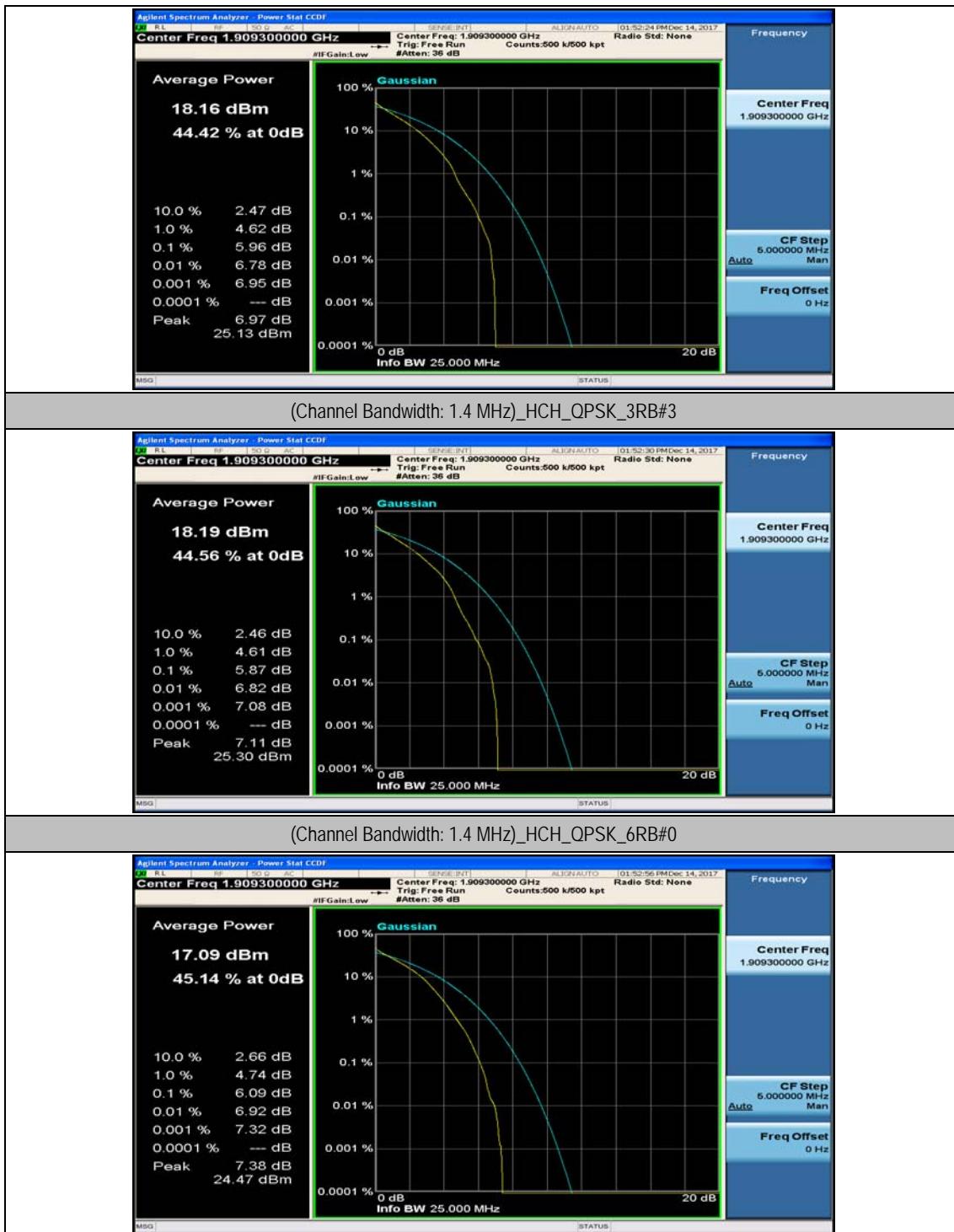


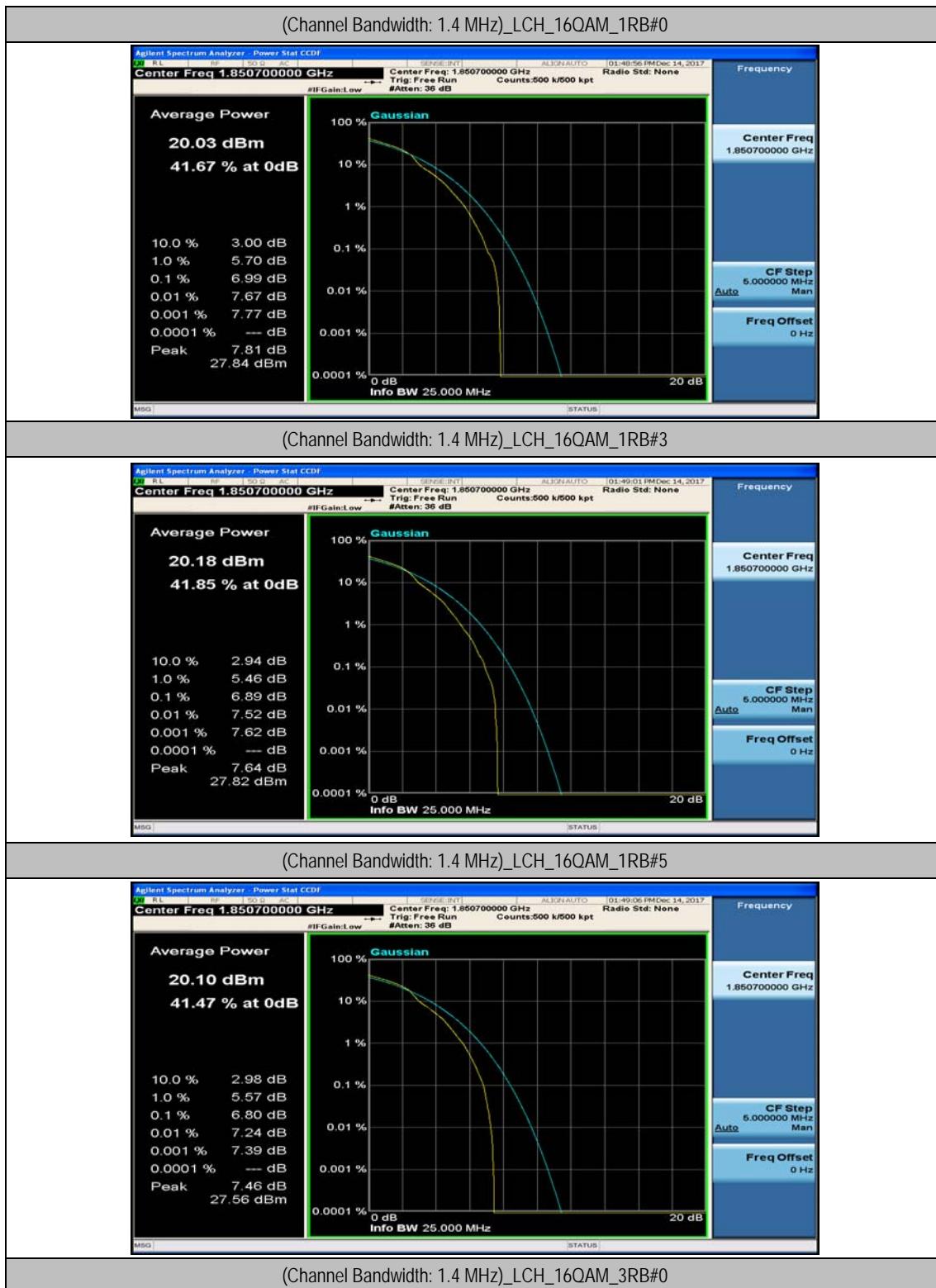
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

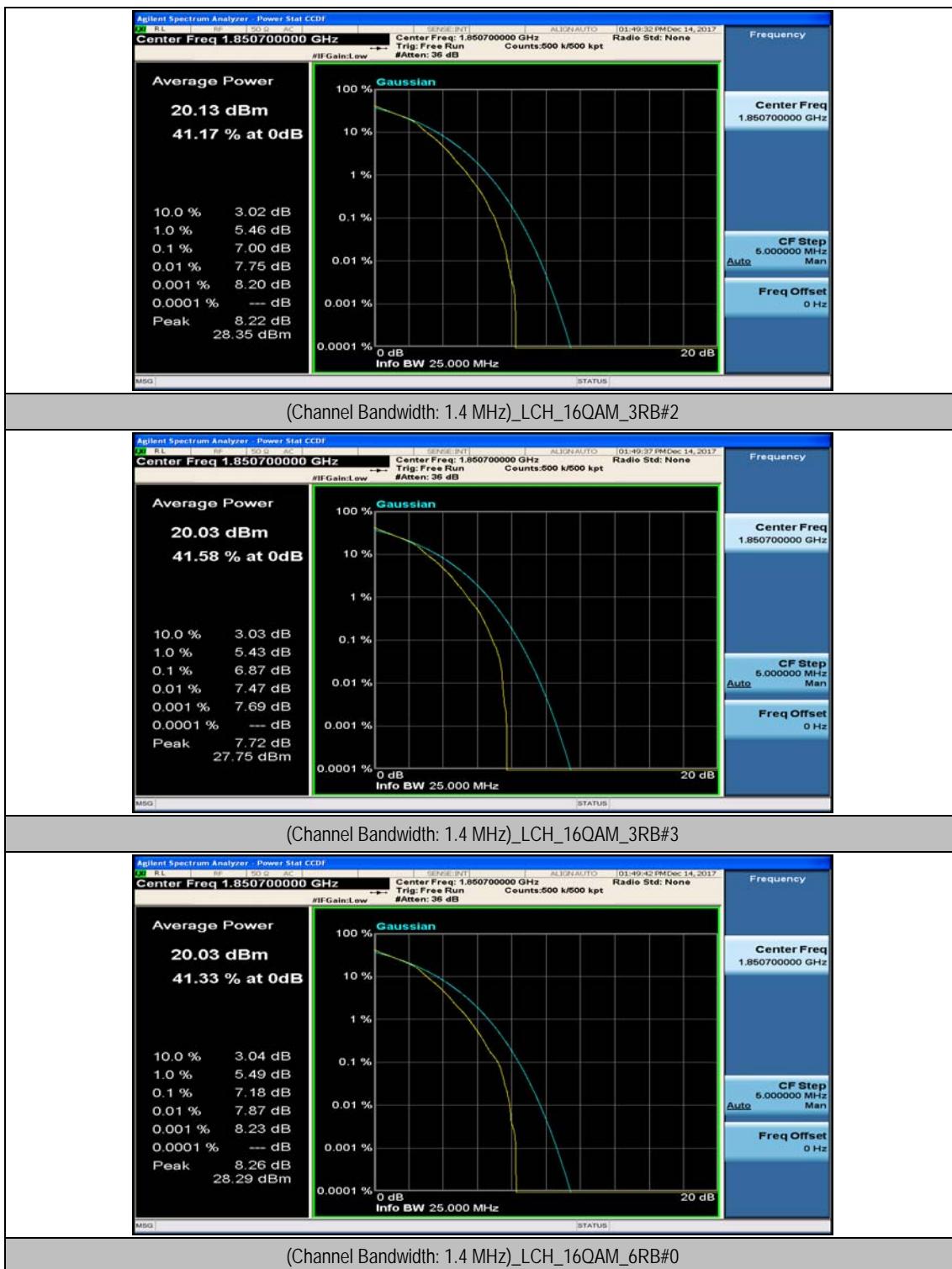


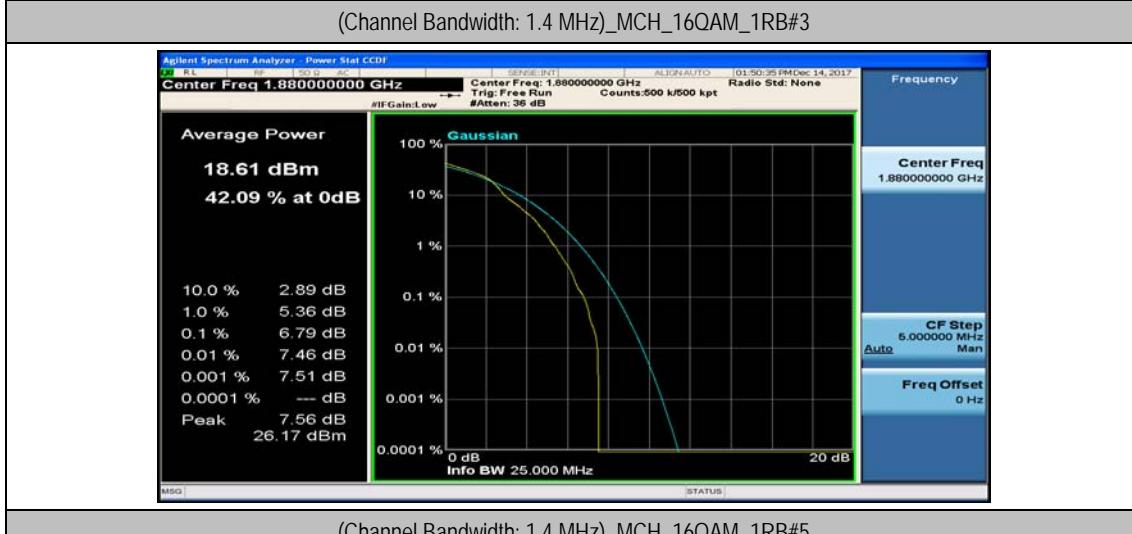
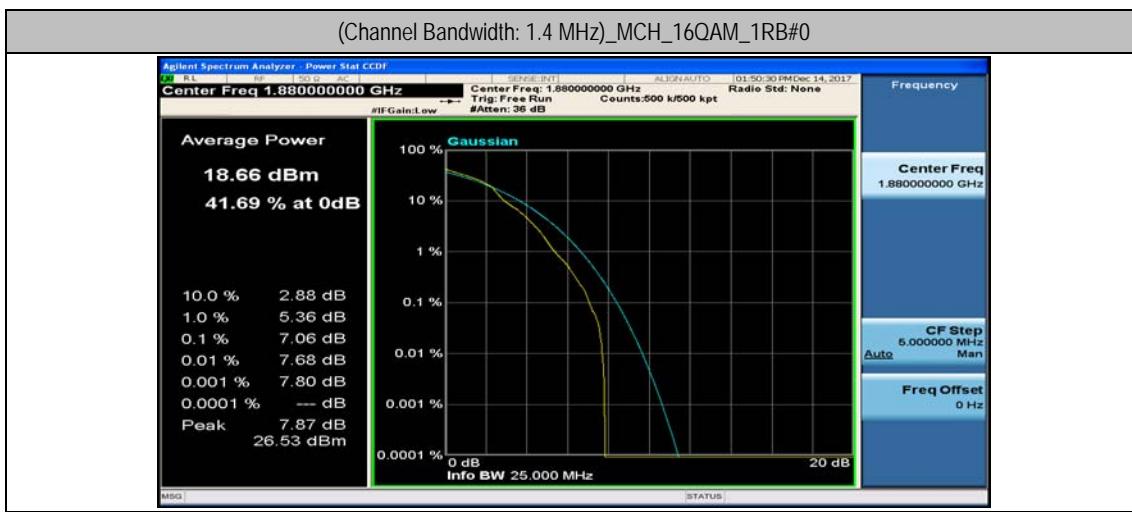
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

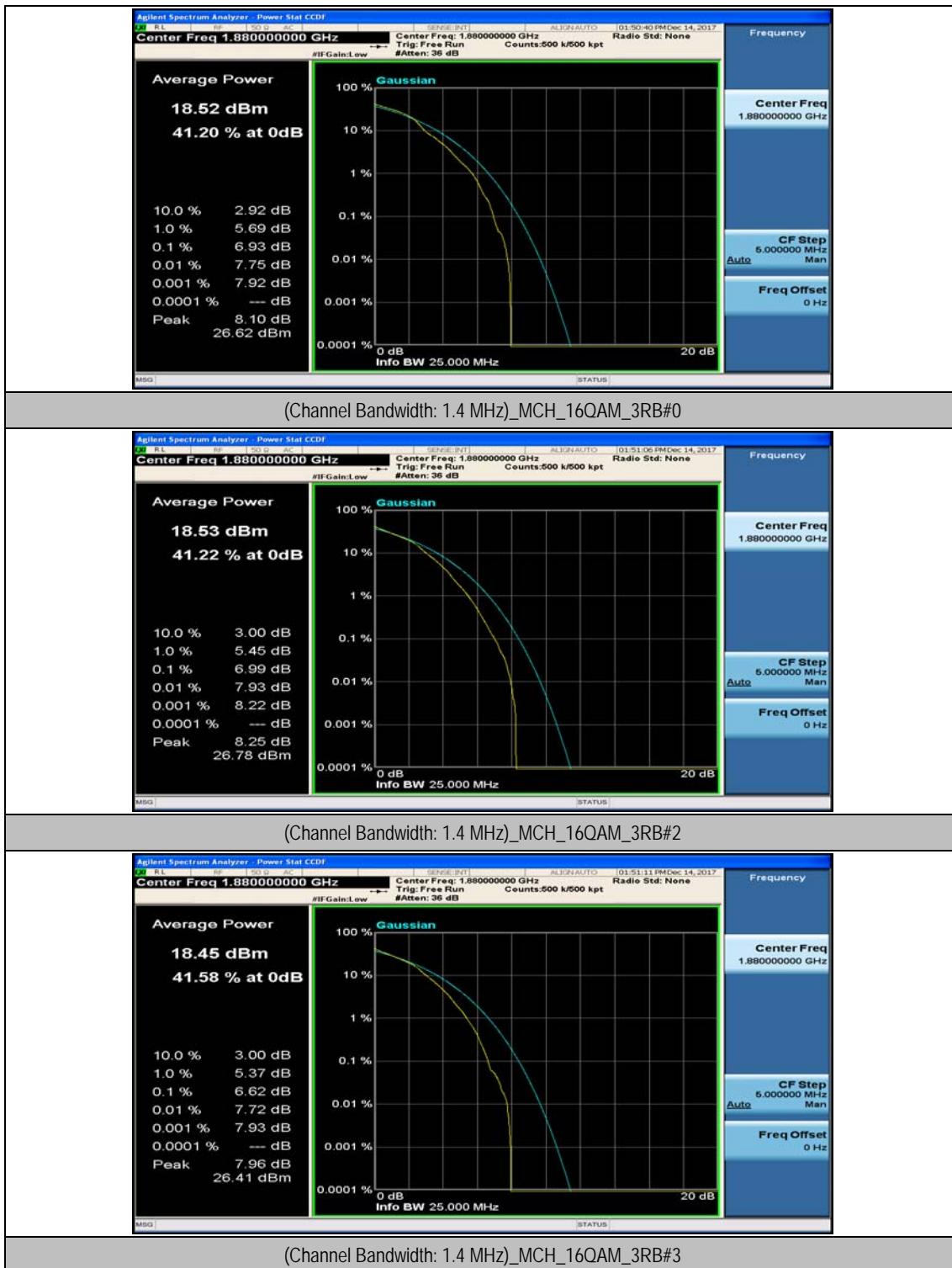


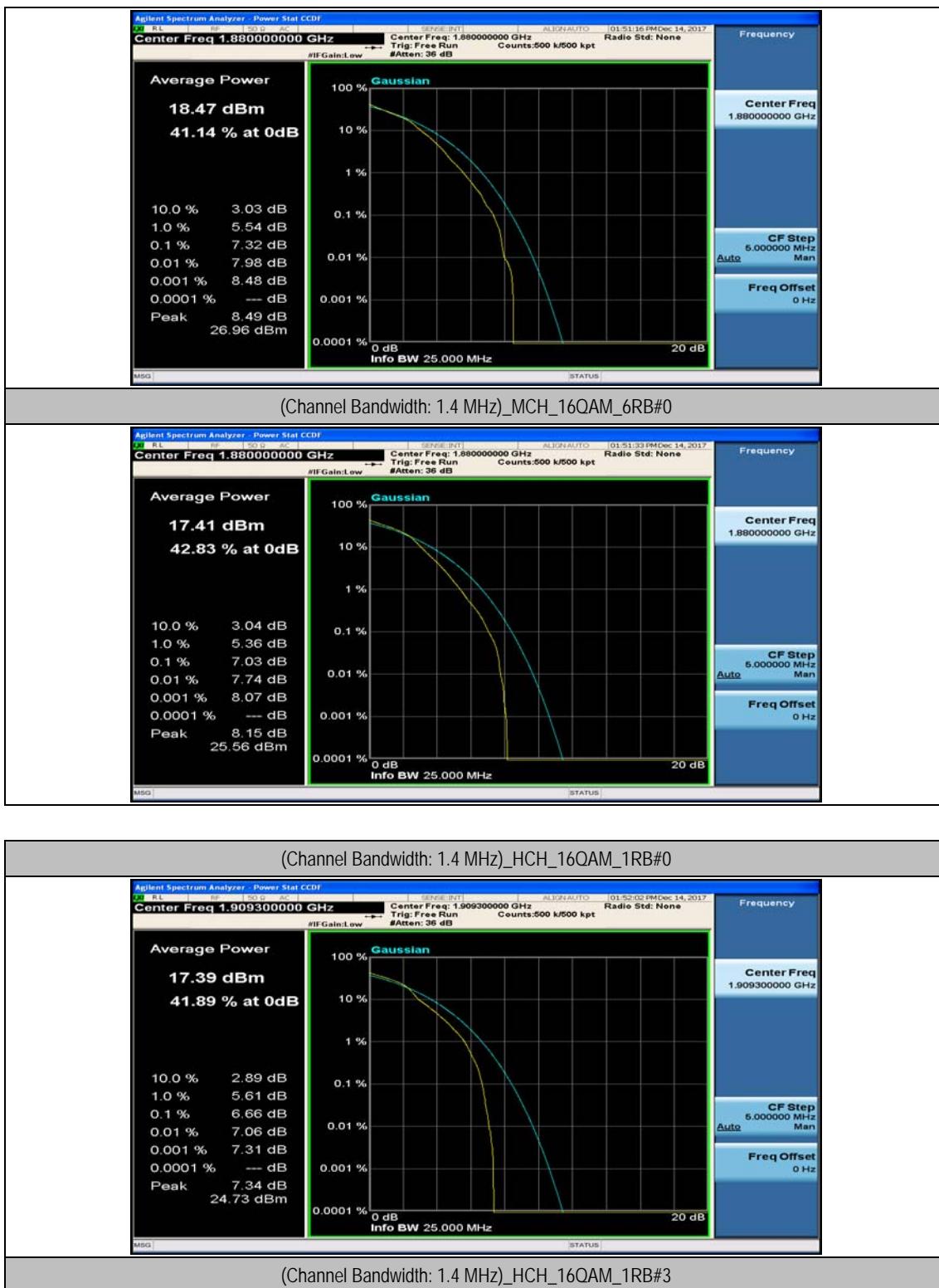


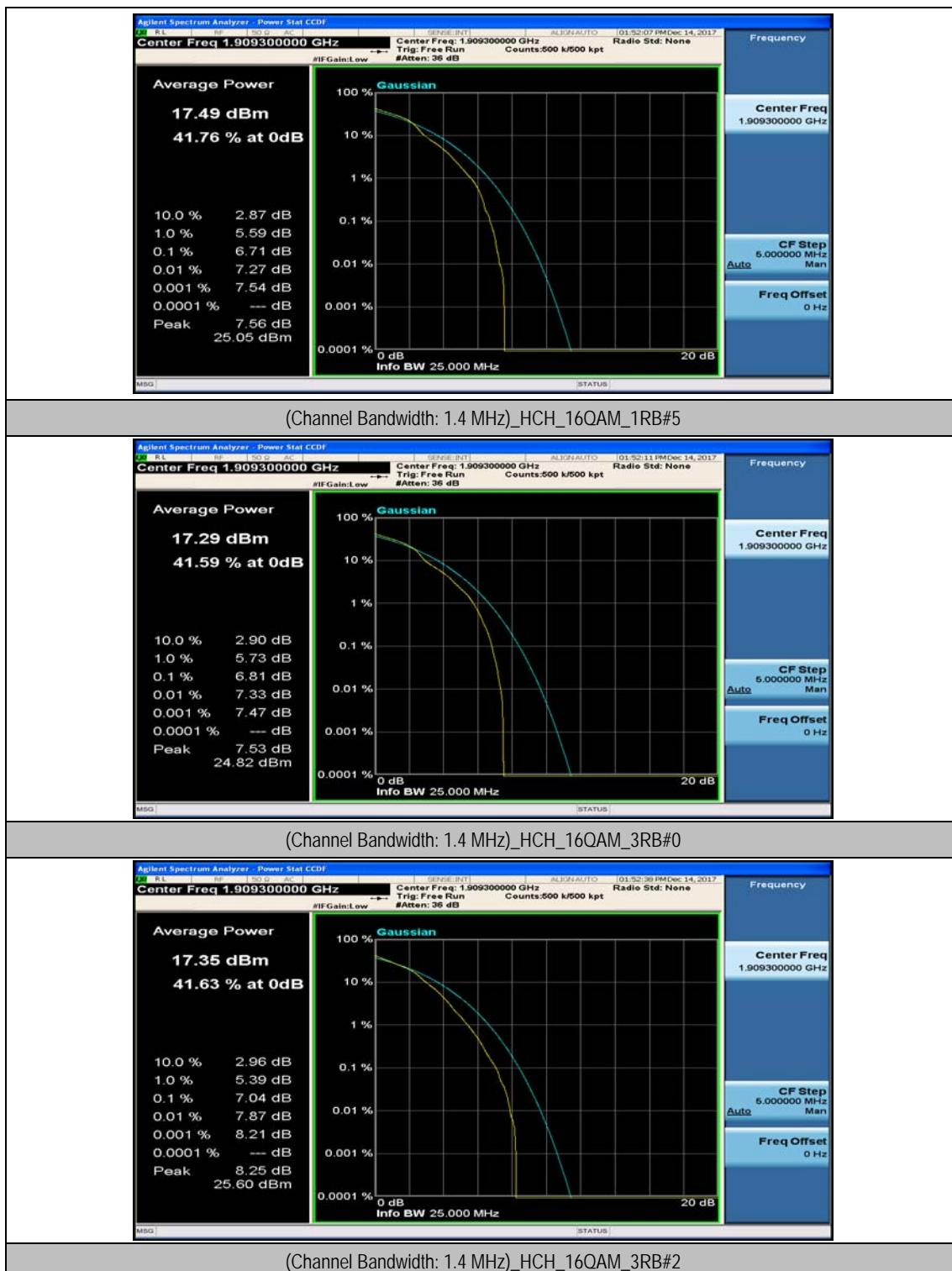


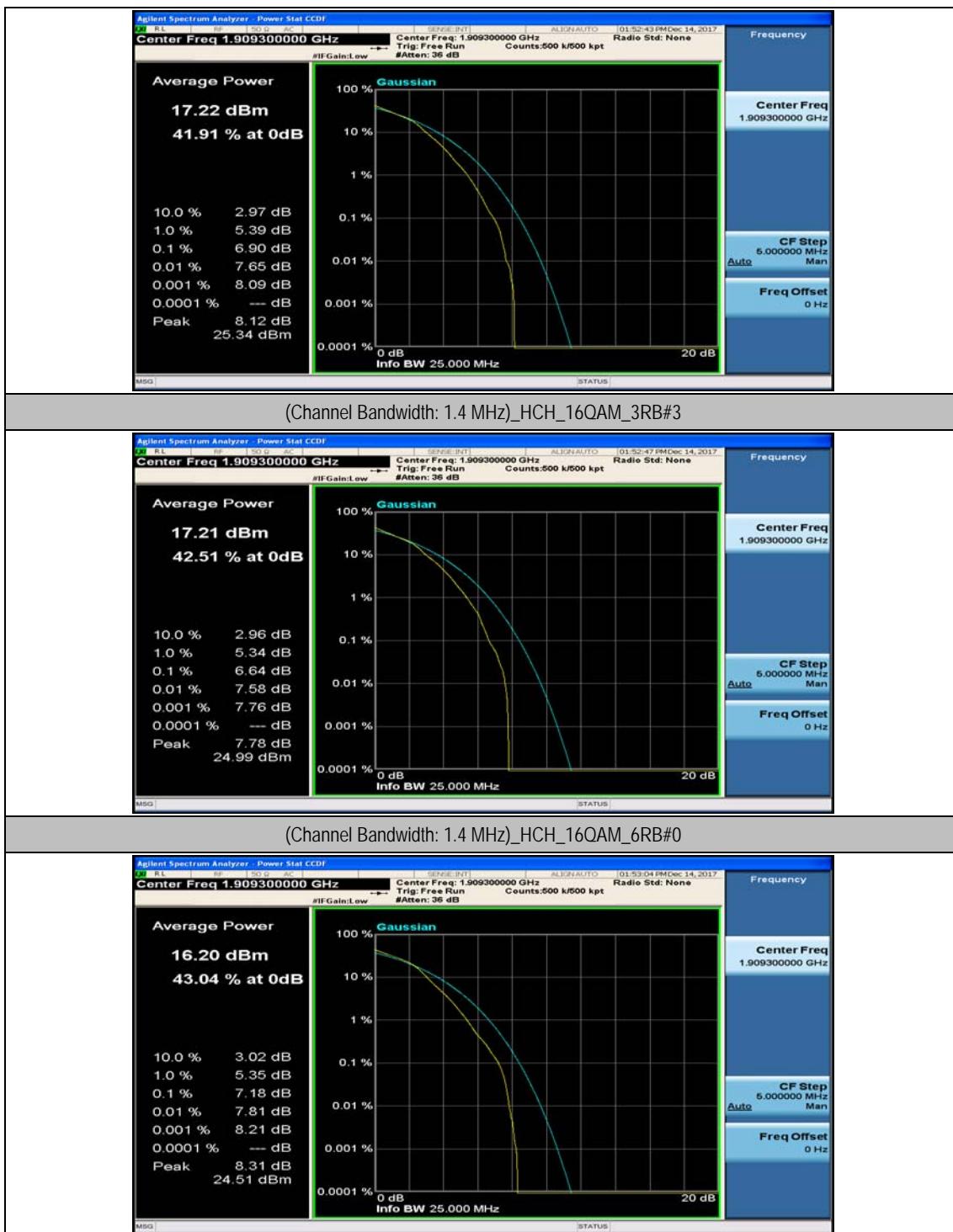




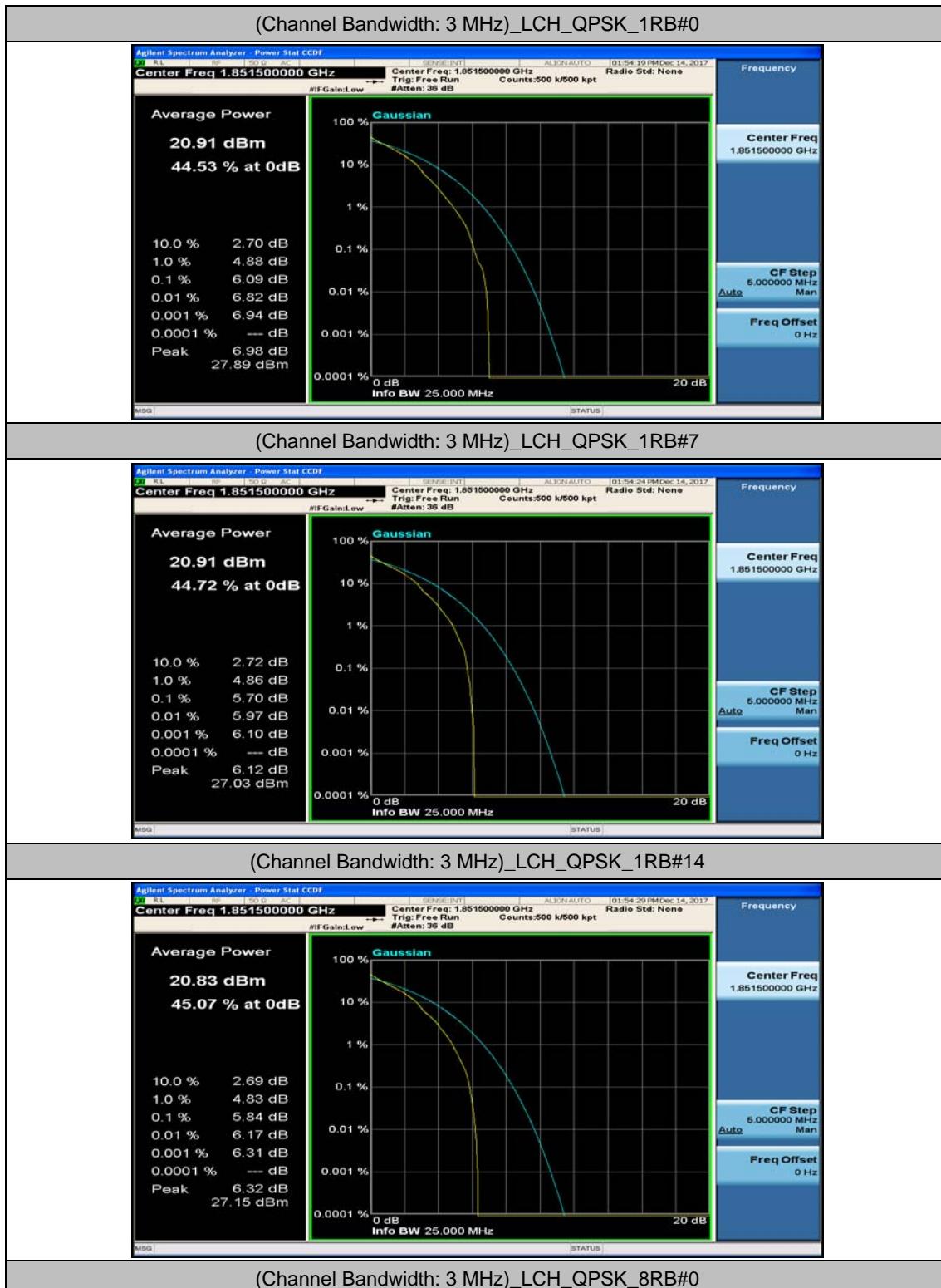


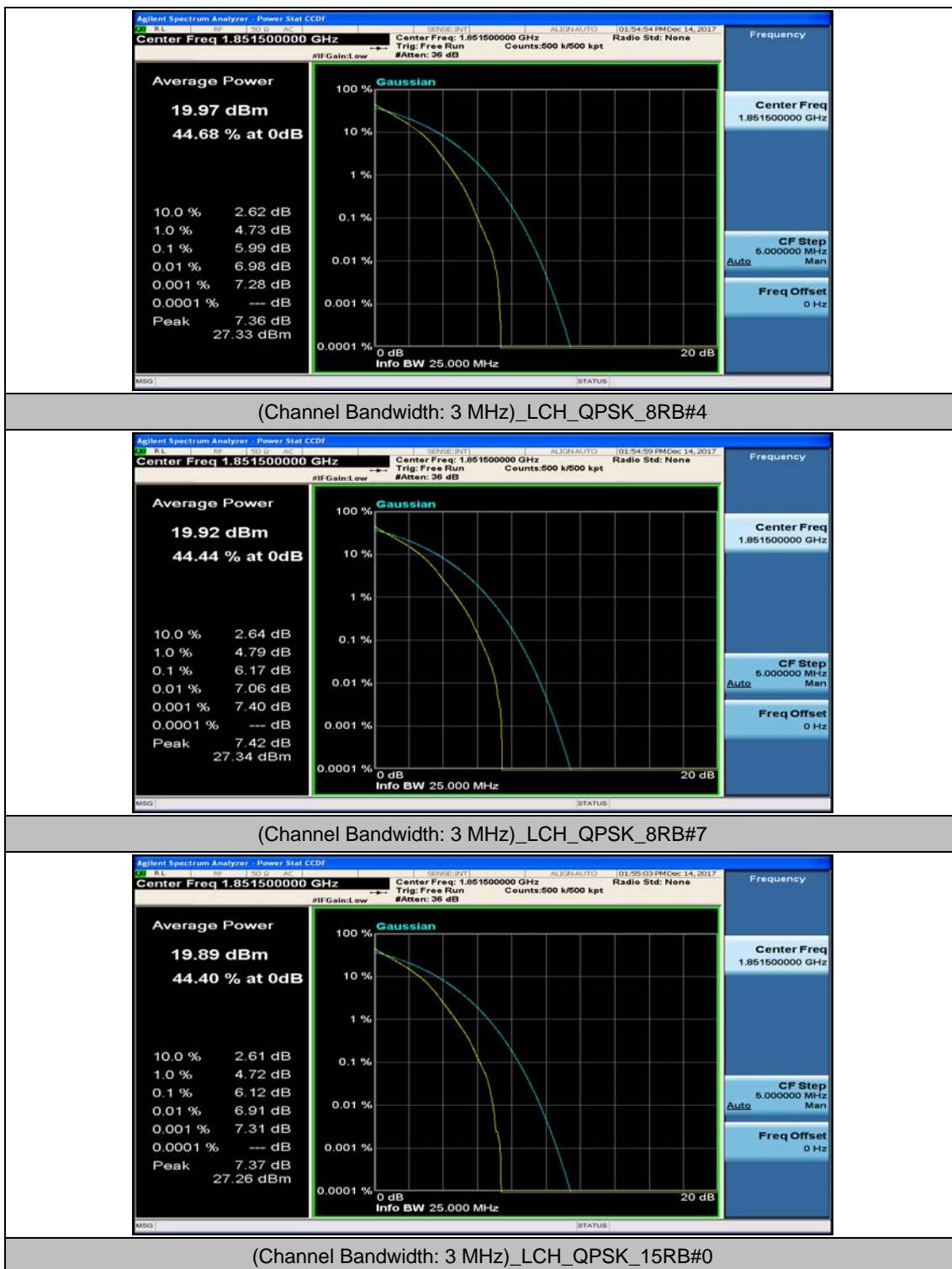


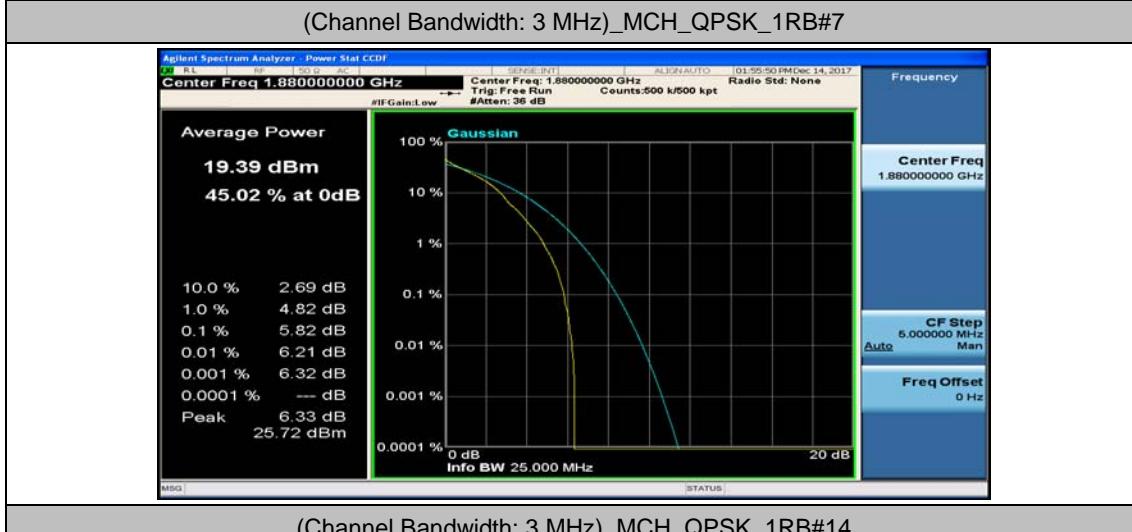
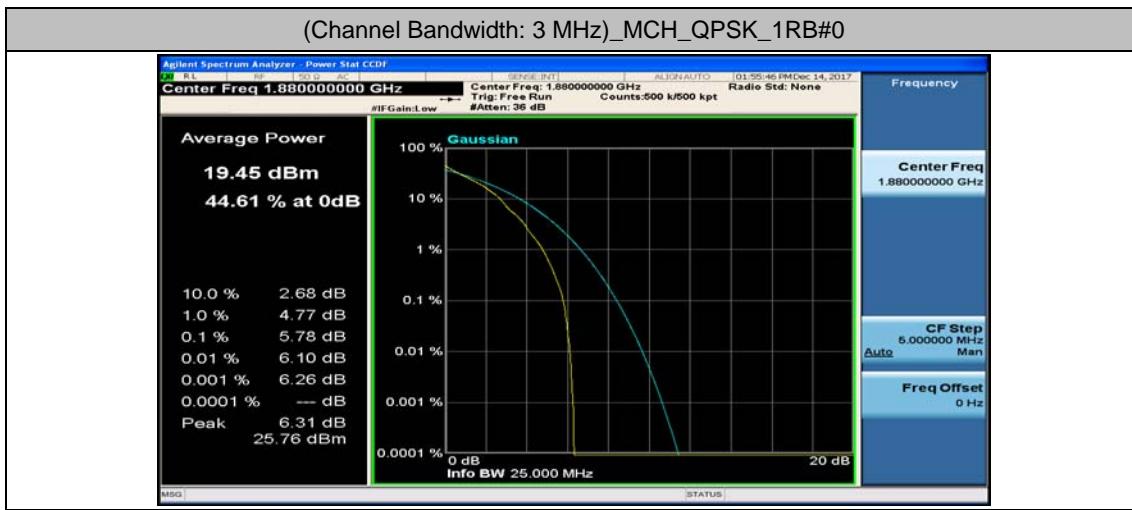
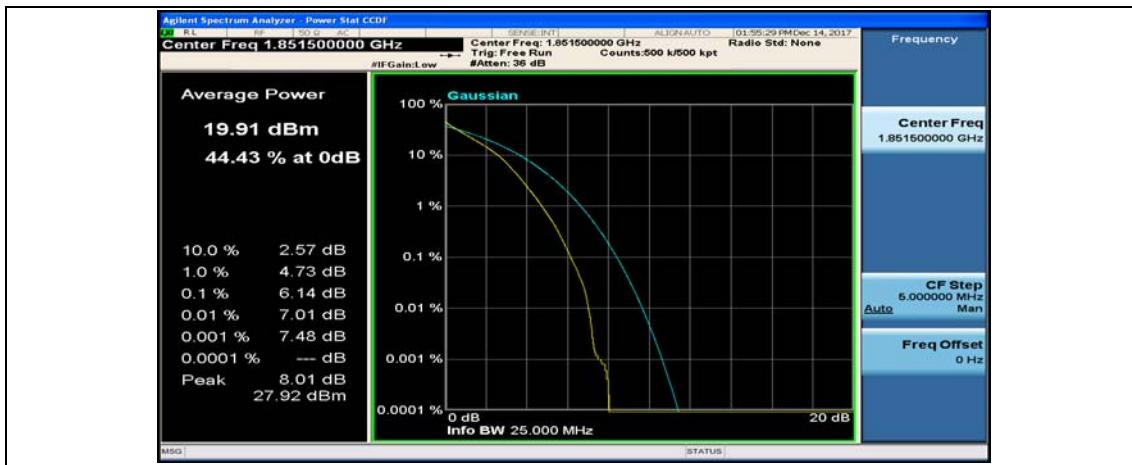




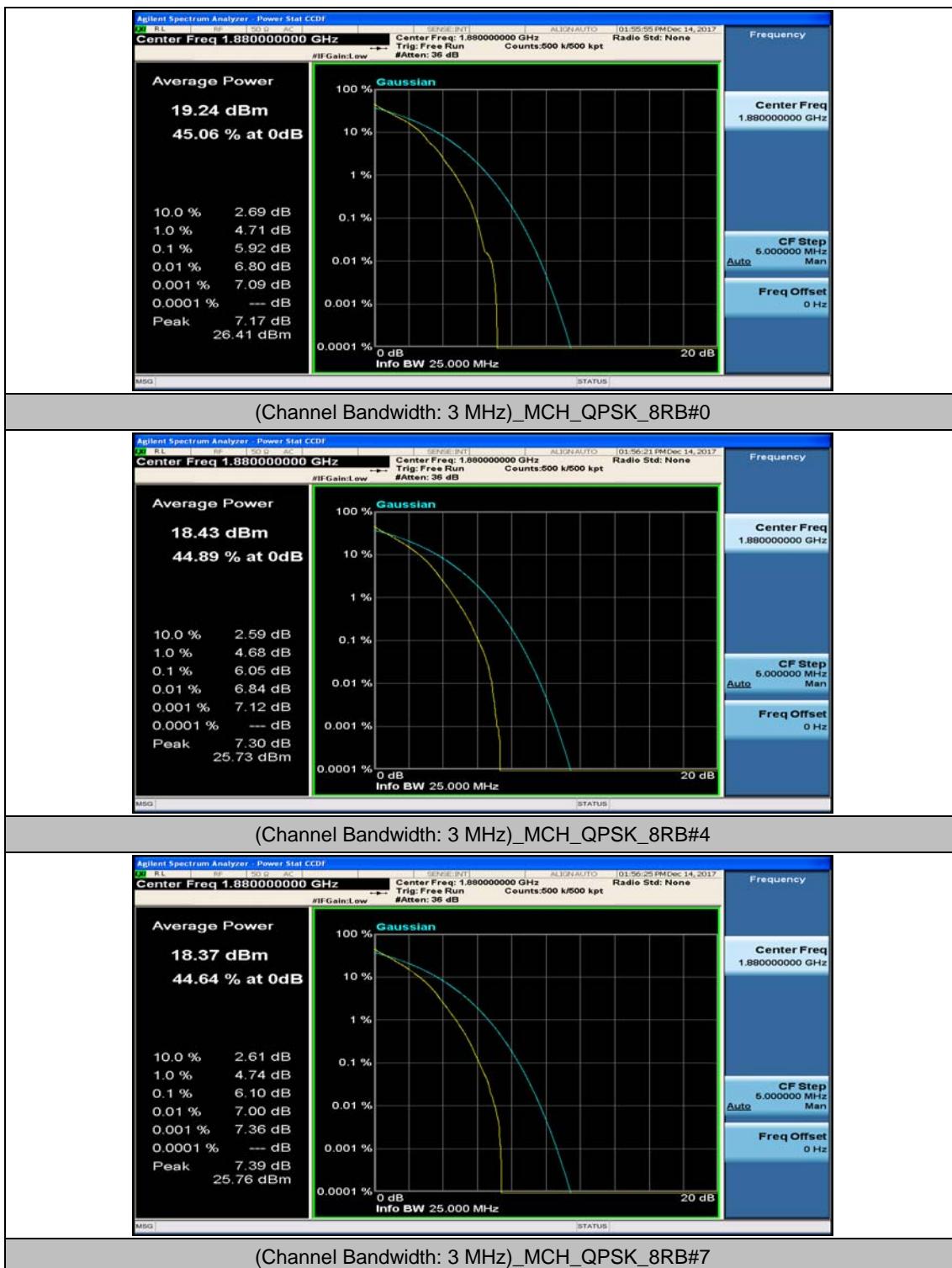
Channel Bandwidth: 3 MHz

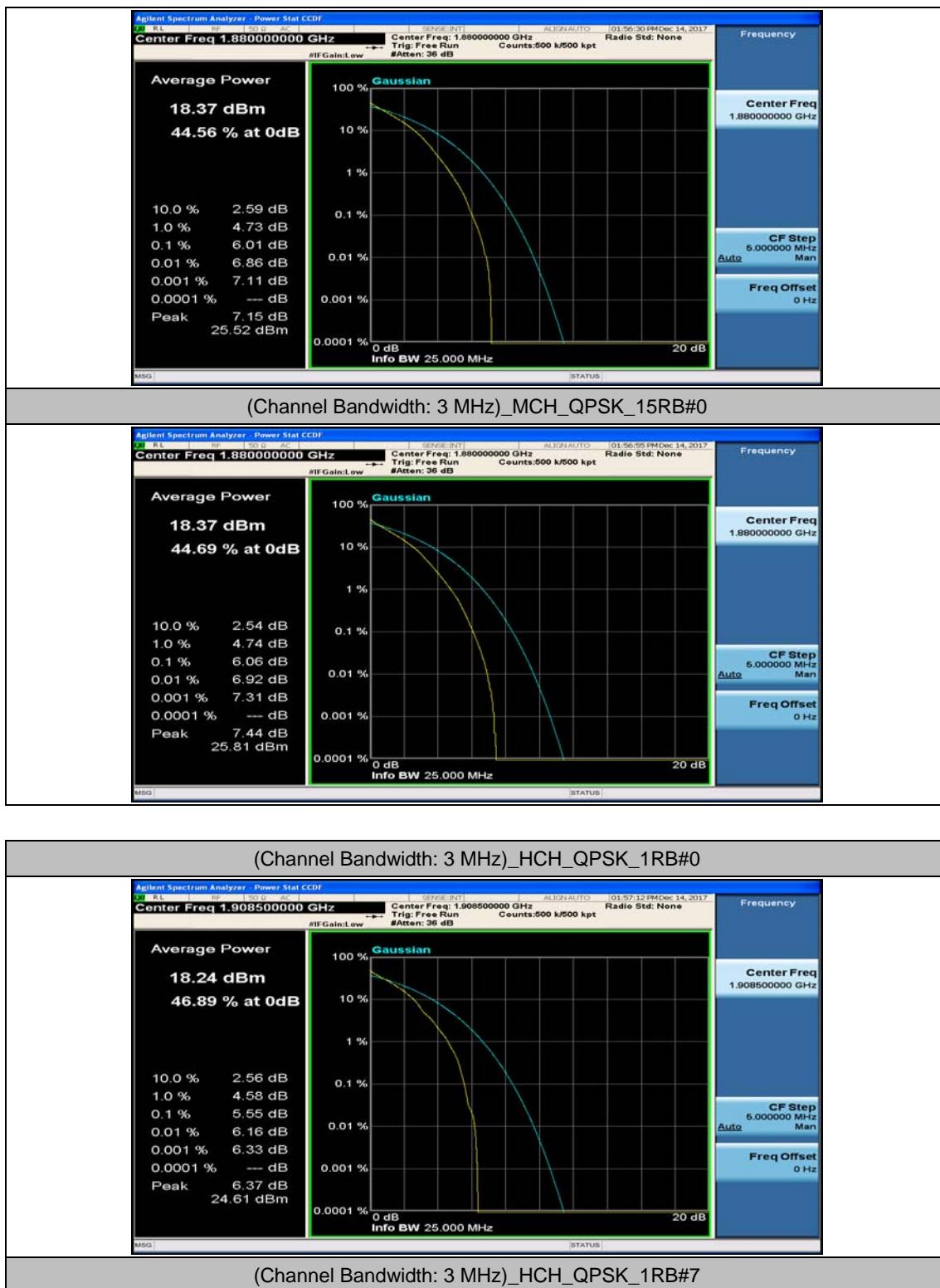


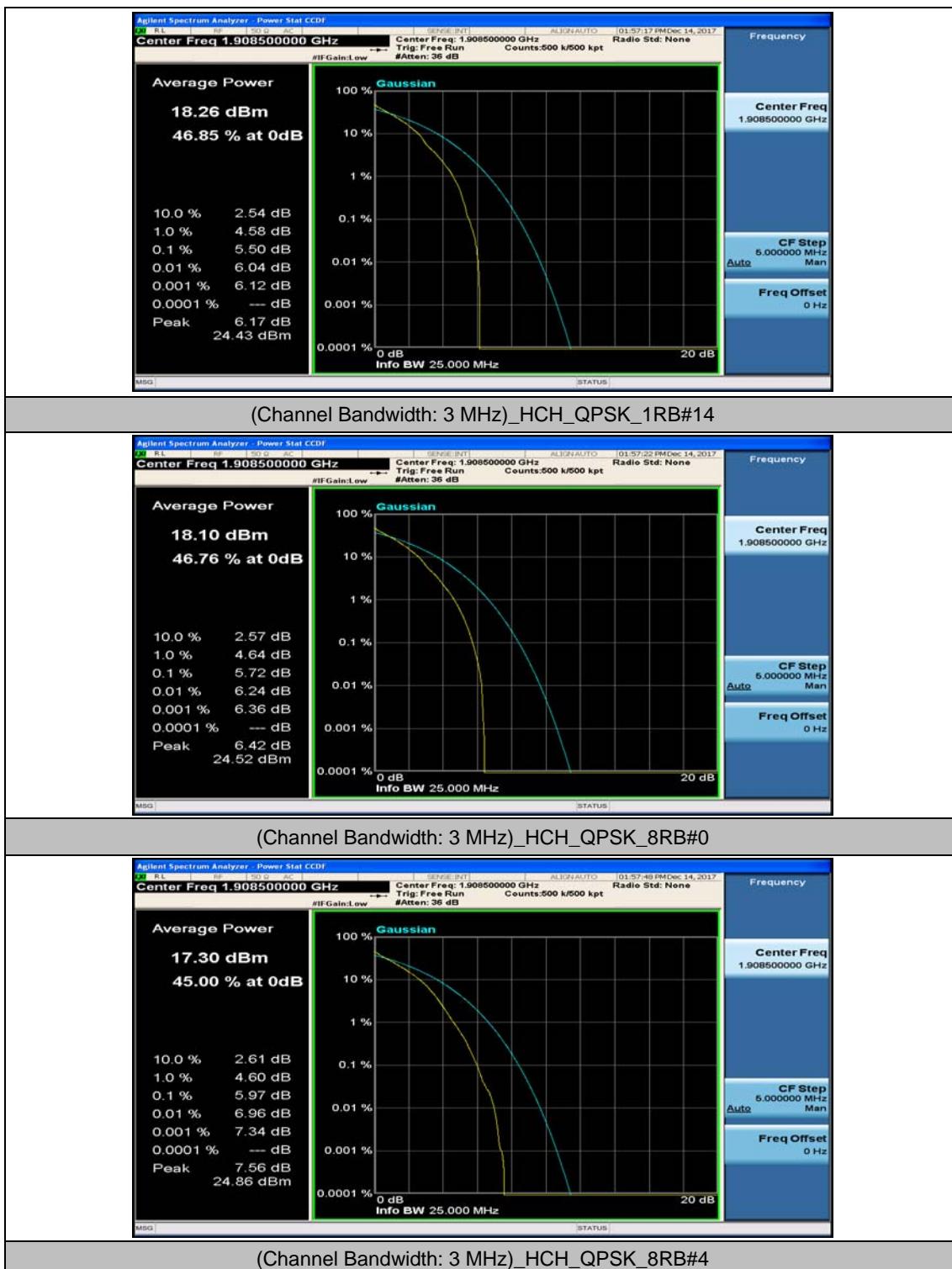


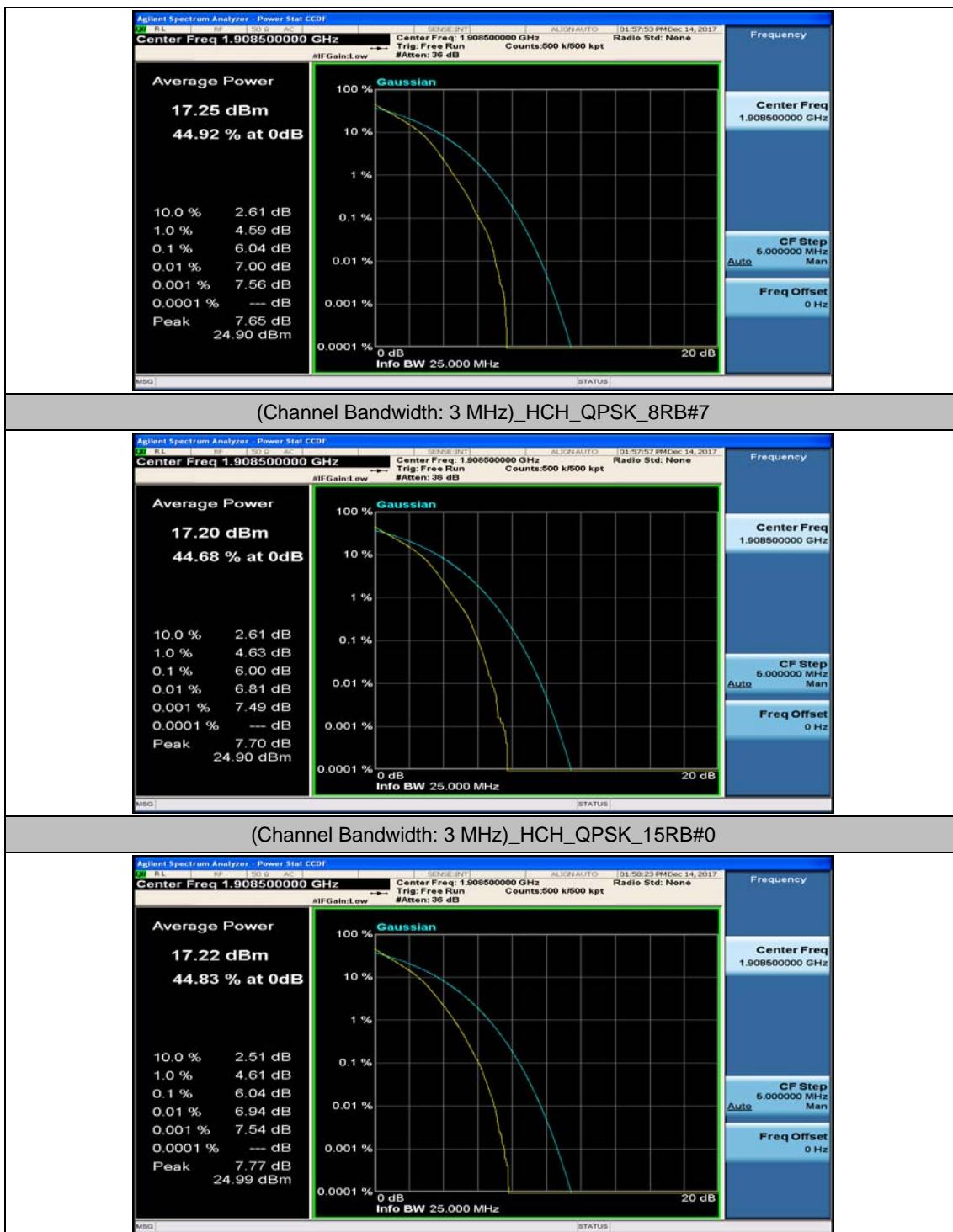


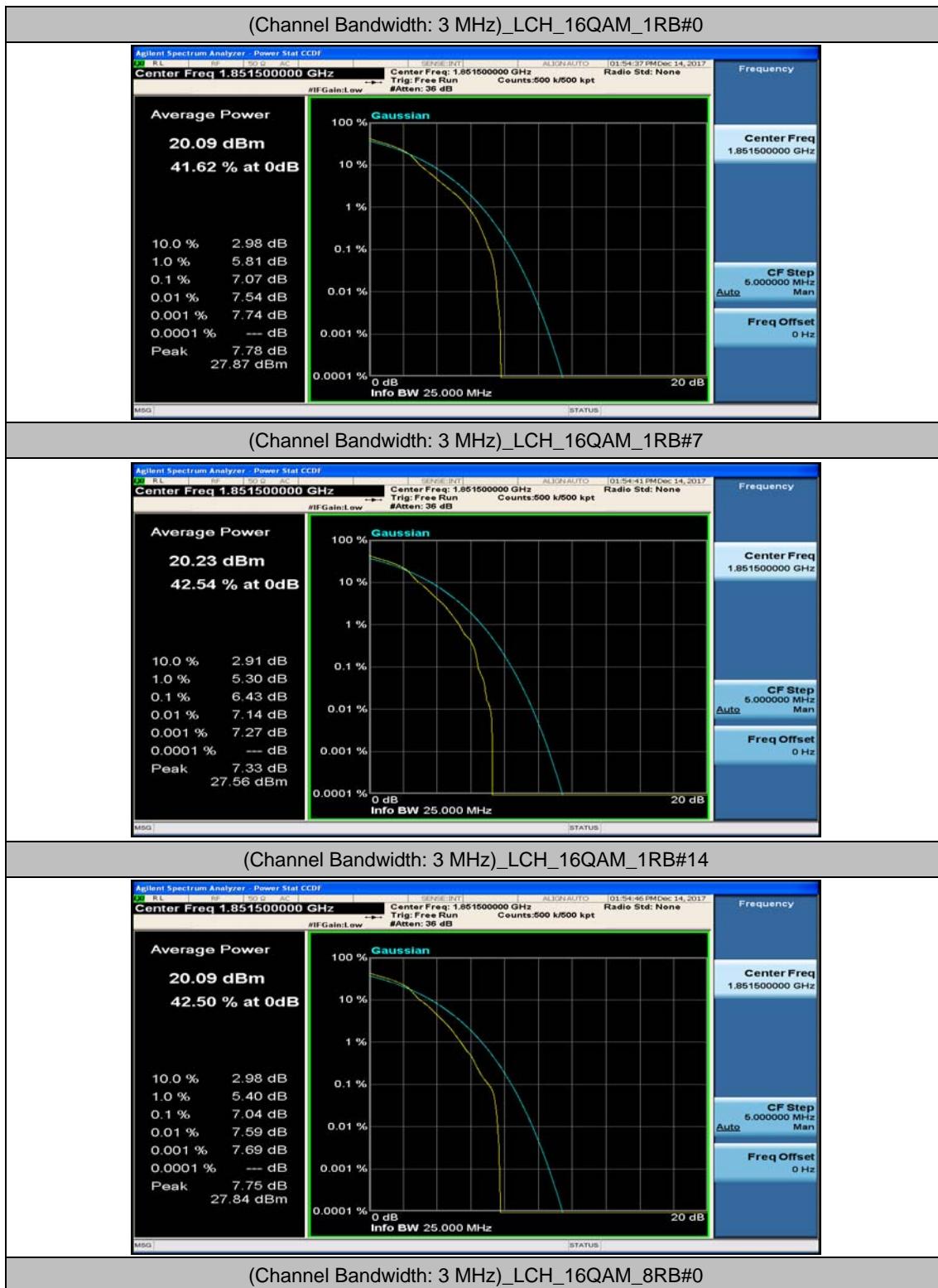
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

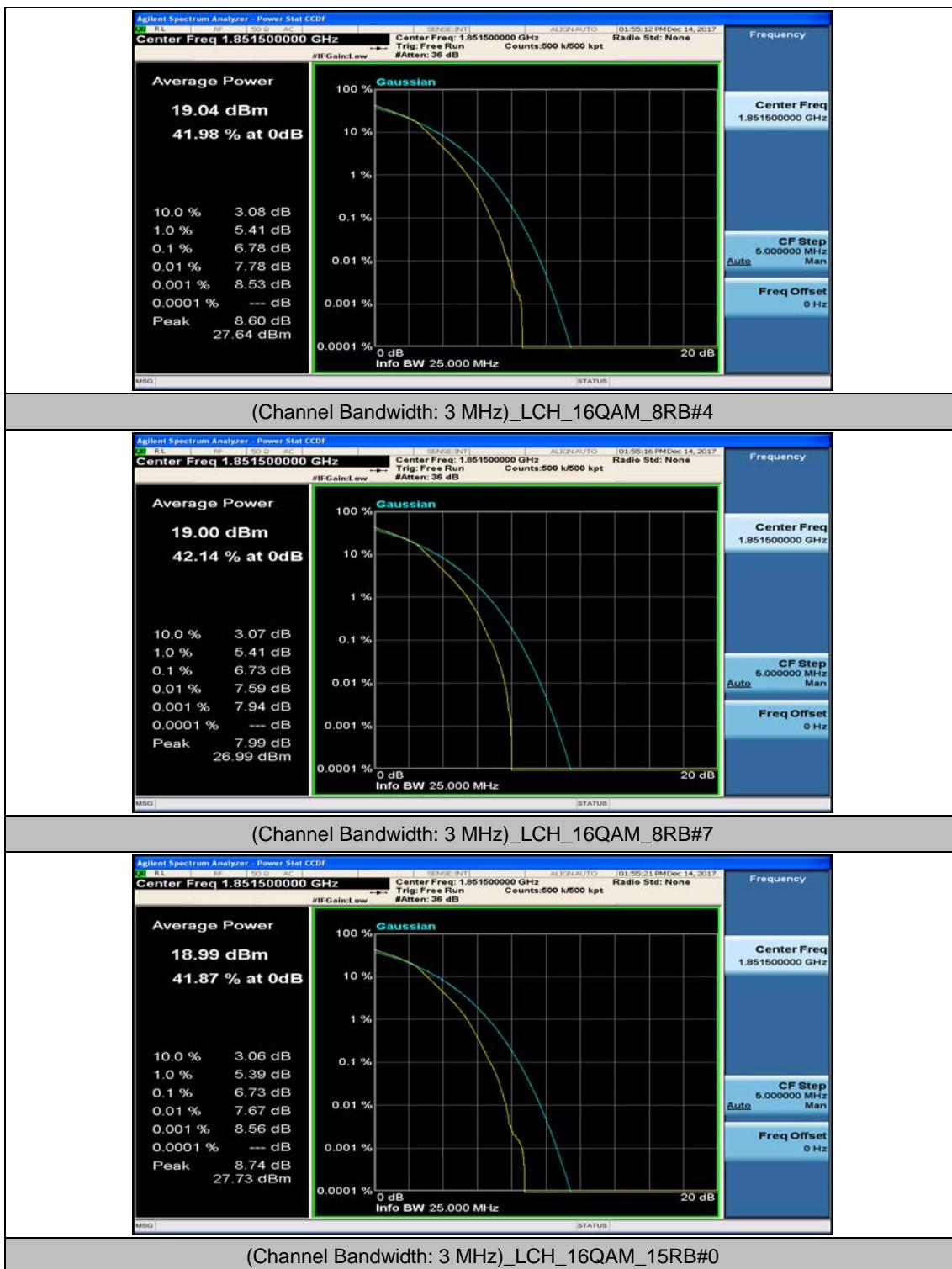


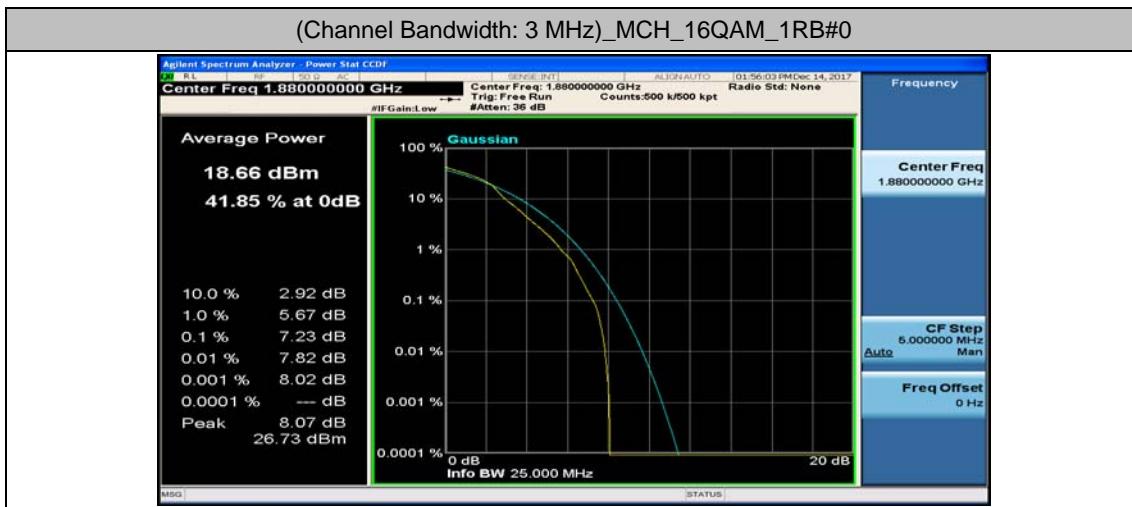
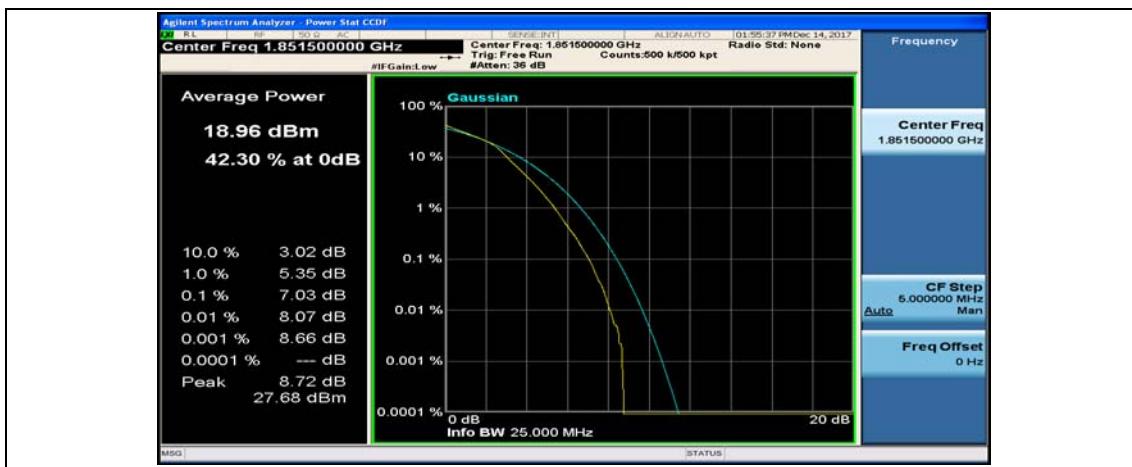


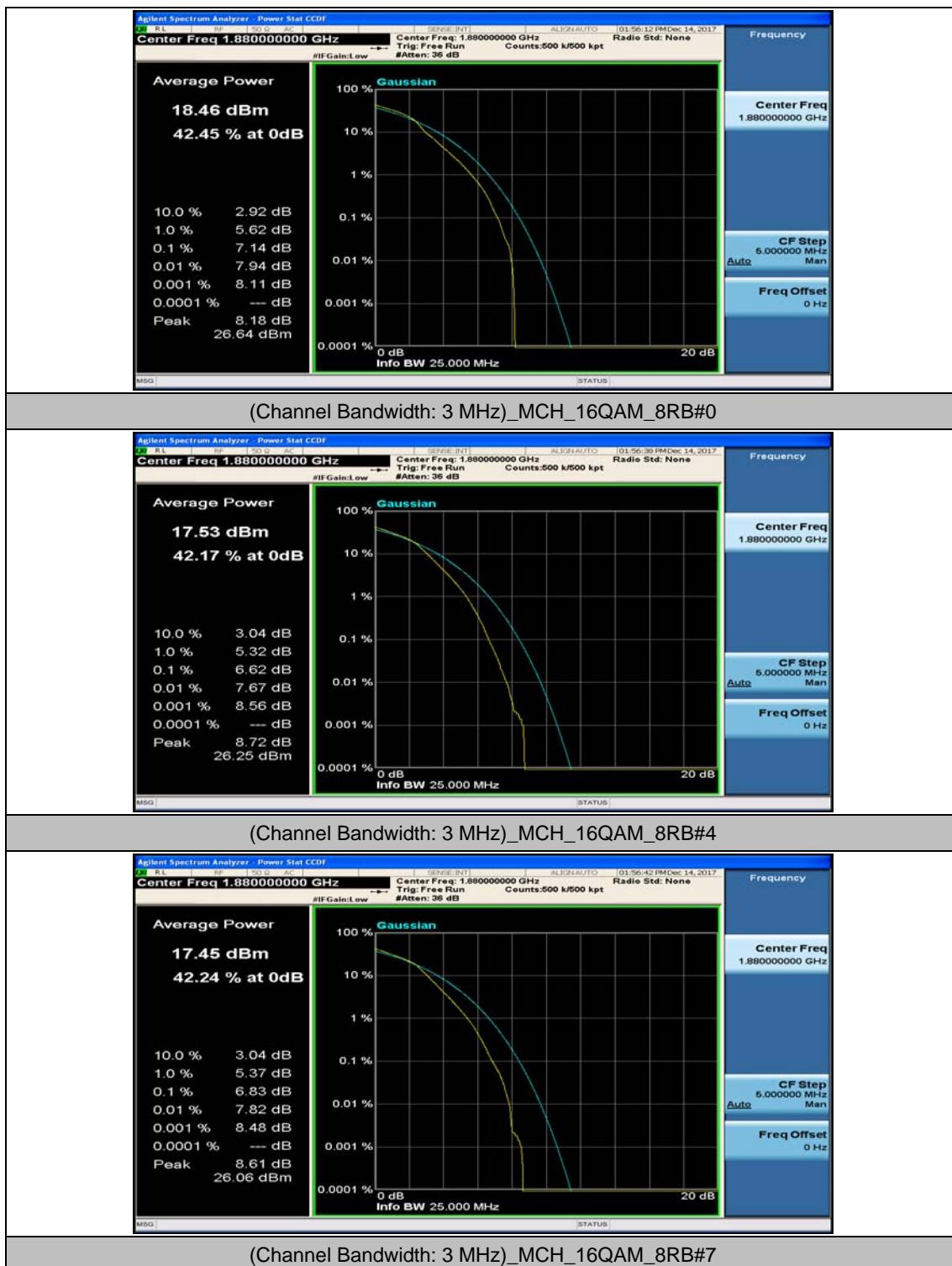


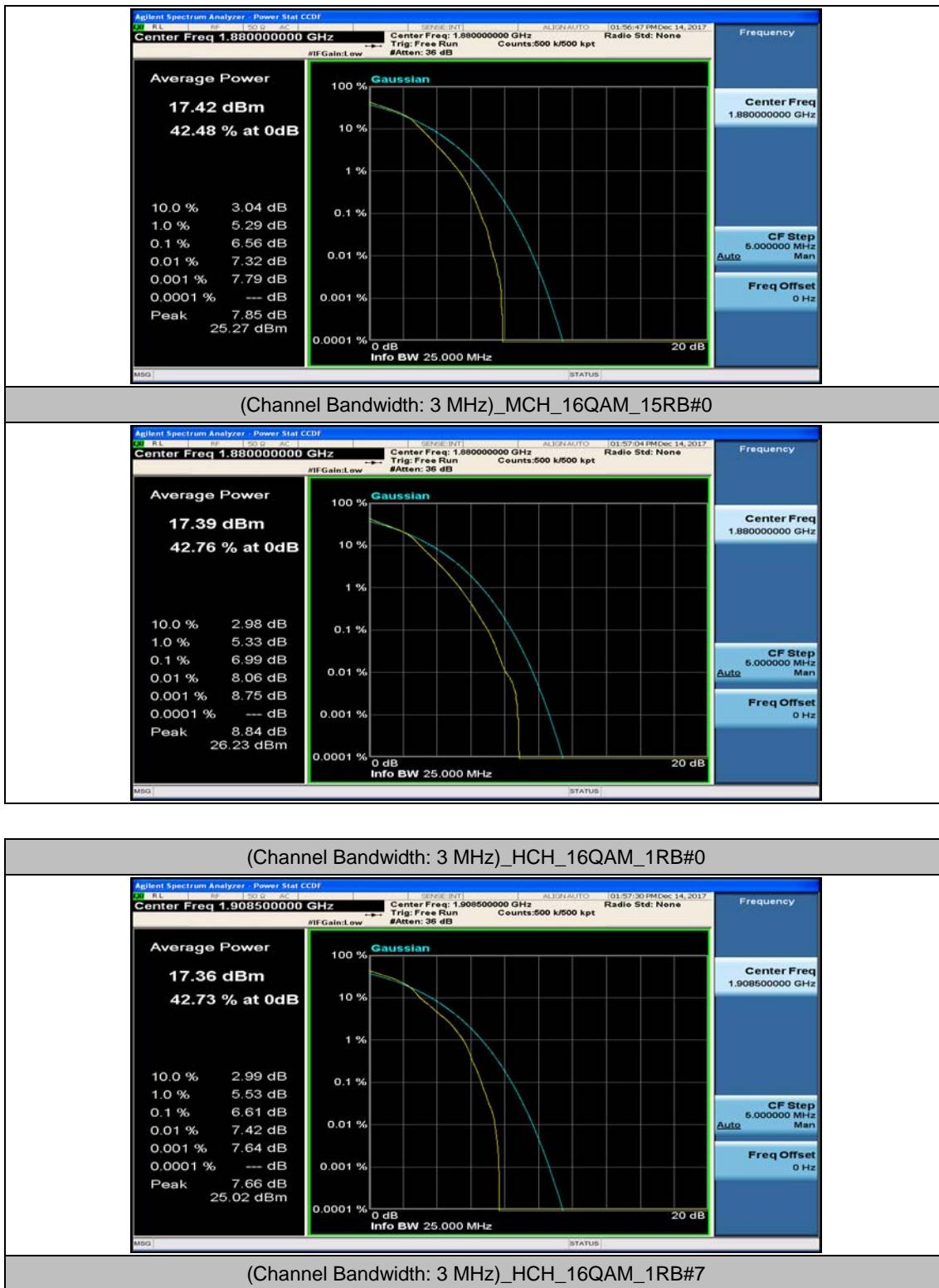


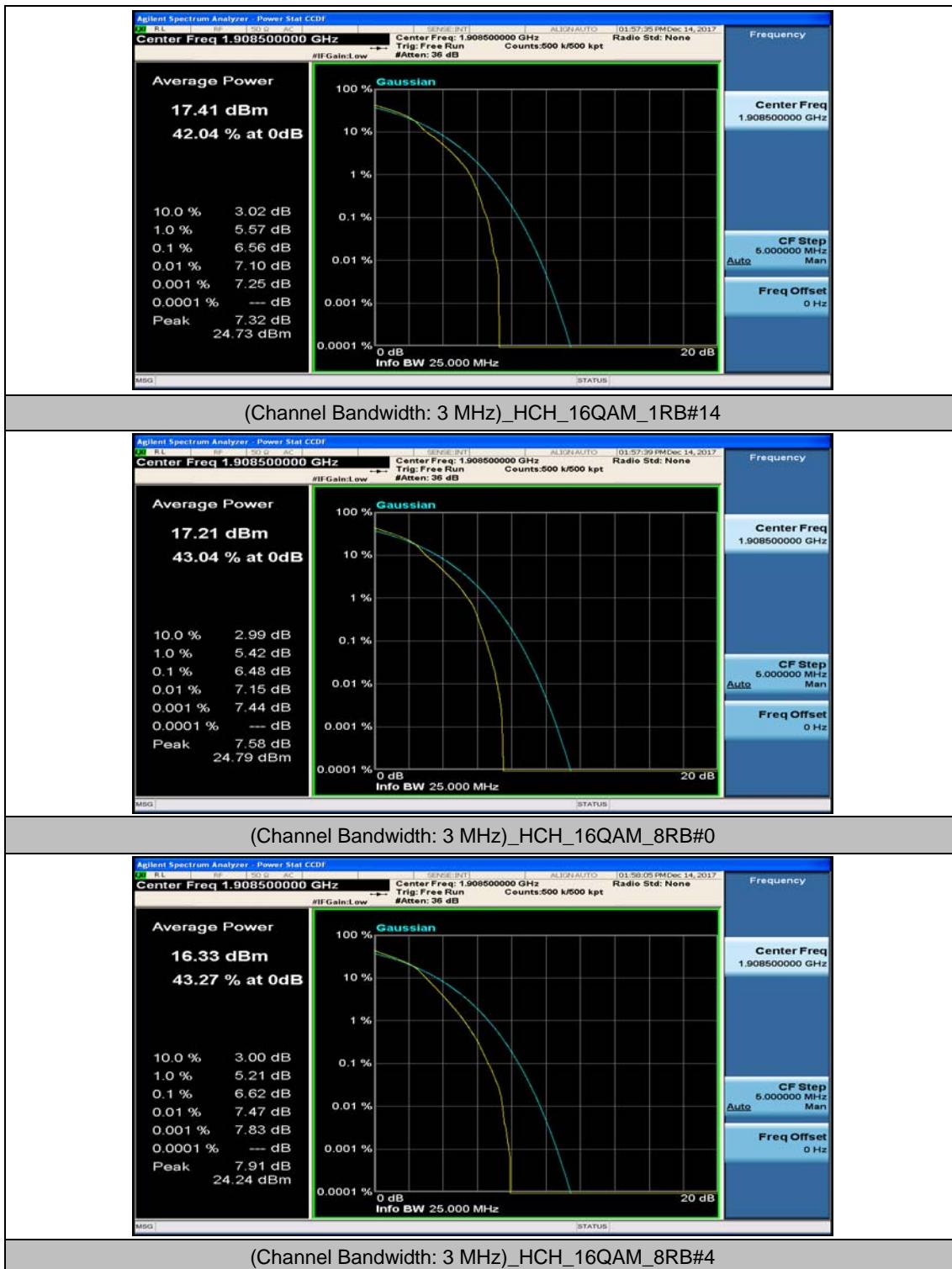


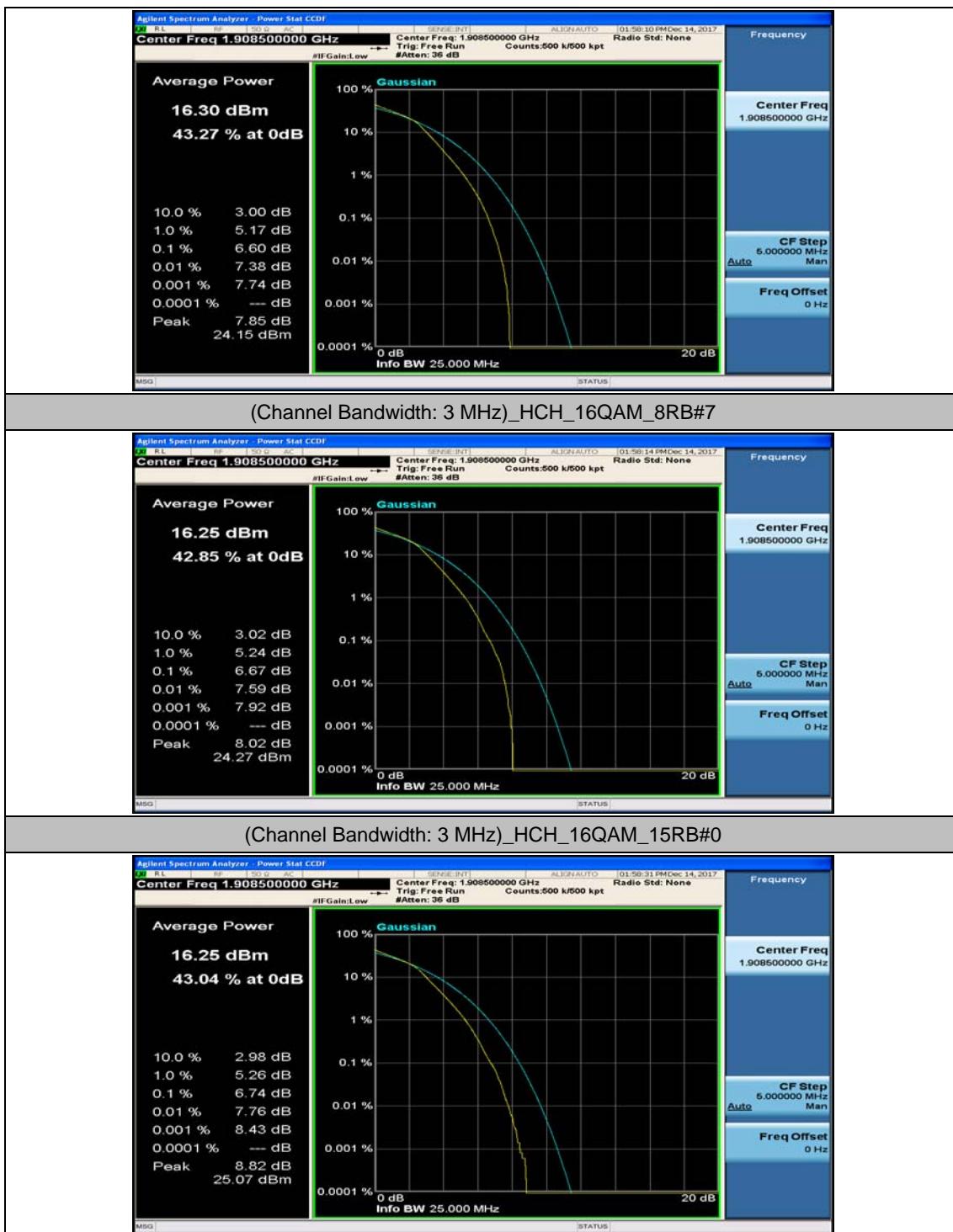




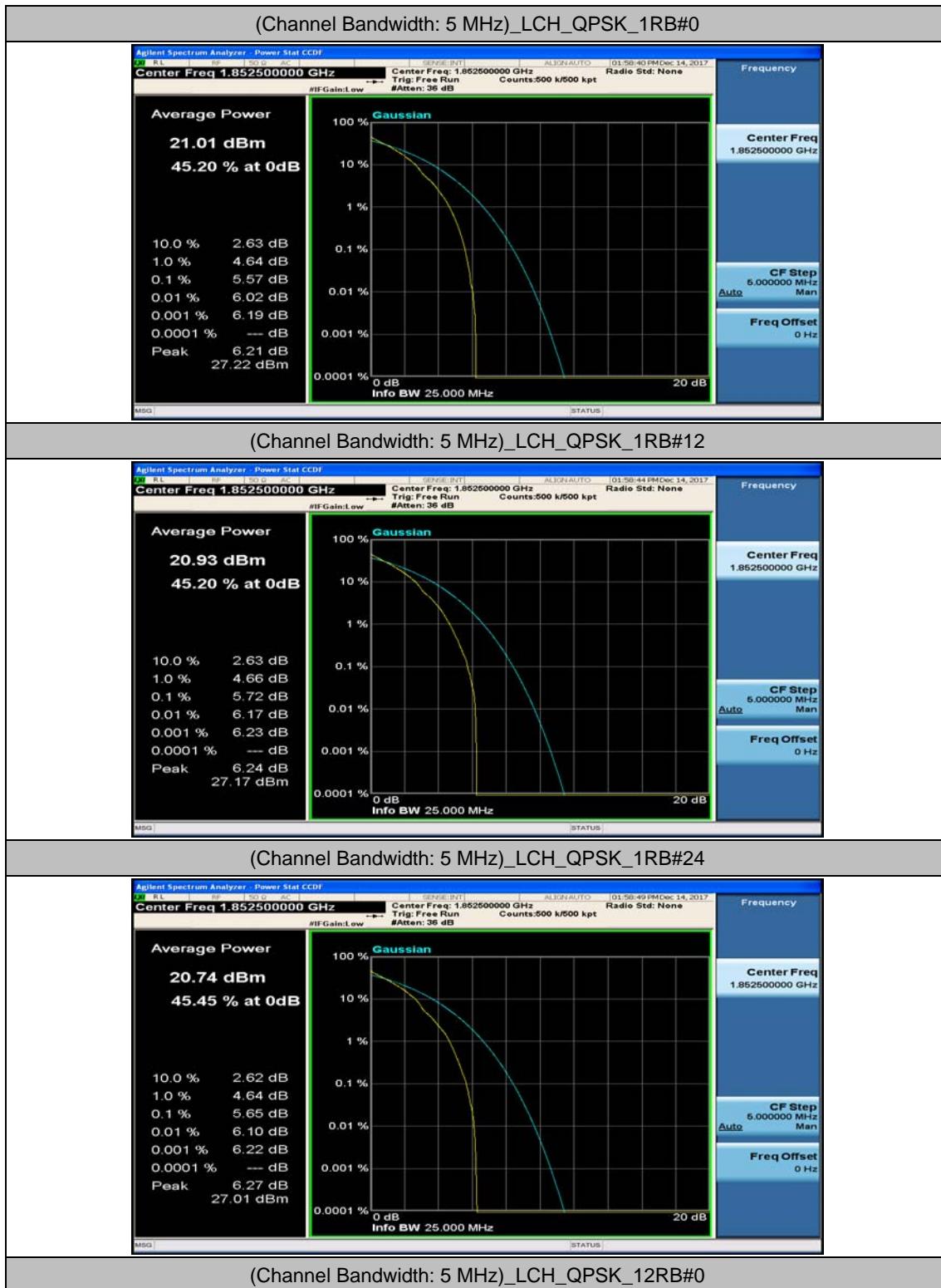


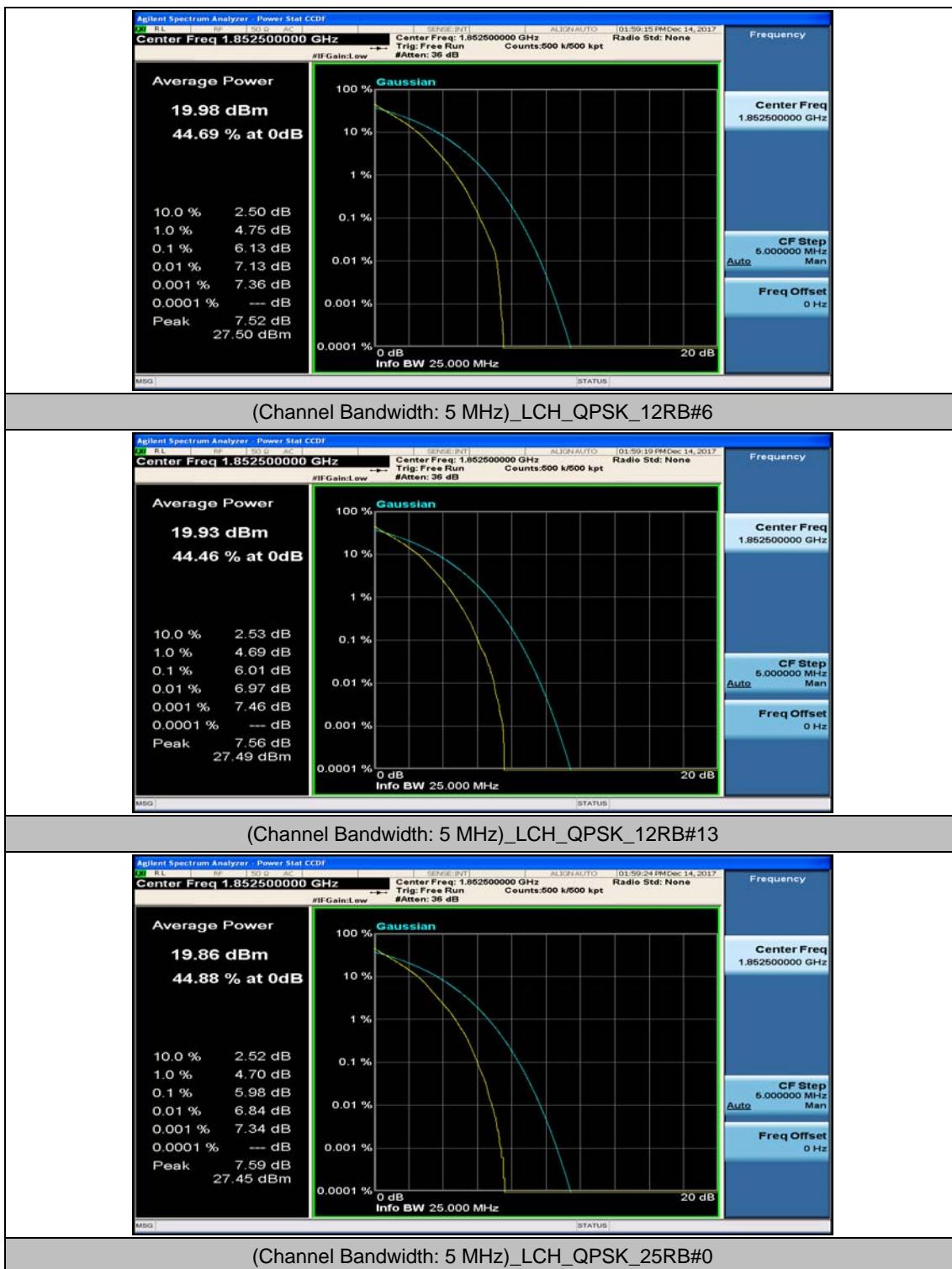


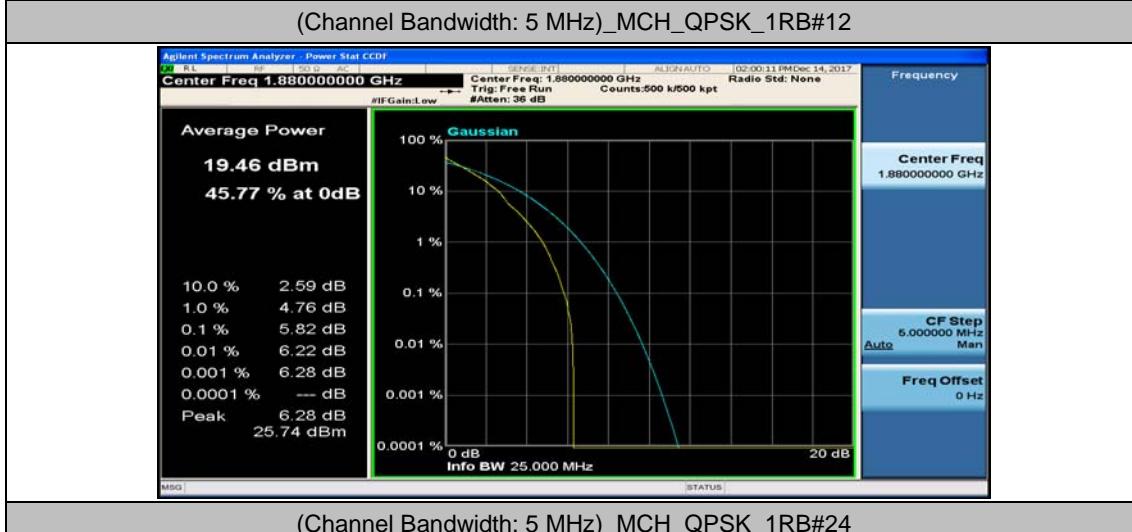
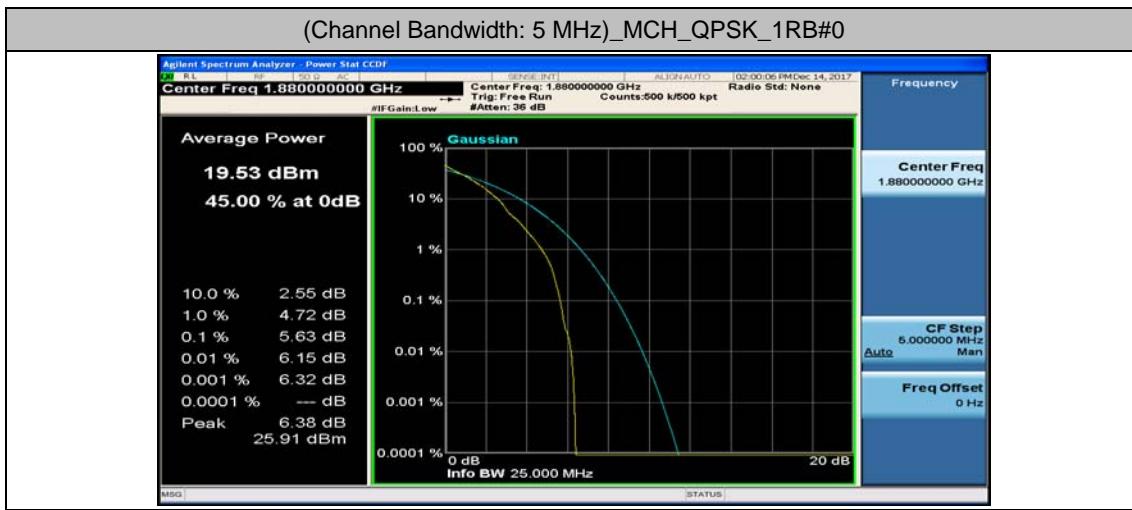
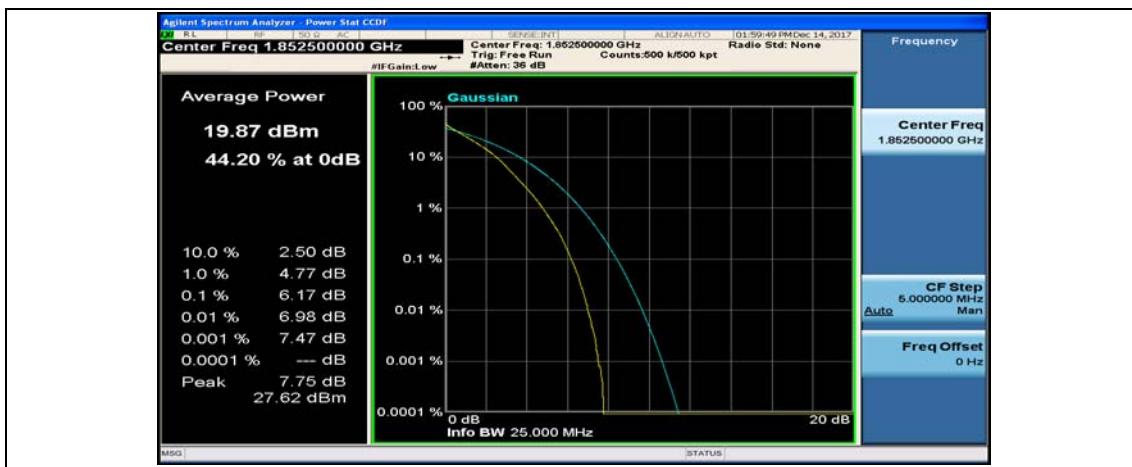




Channel Bandwidth: 5 MHz







(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

