

Appendix for Band 41

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.46	PASS
		1	12	22.42	PASS
		1	24	24.19	PASS
		12	0	21.57	PASS
		12	6	21.56	PASS
		12	13	23.25	PASS
		25	0	23.15	PASS
	MCH	1	0	23.96	PASS
		1	12	23.91	PASS
		1	24	24.00	PASS
		12	0	23.07	PASS
		12	6	23.05	PASS
		12	13	23.09	PASS
		25	0	23.06	PASS
	HCH	1	0	23.73	PASS
		1	12	22.03	PASS
		1	24	22.28	PASS
		12	0	22.71	PASS
		12	6	21.14	PASS
		12	13	21.25	PASS
		25	0	22.71	PASS
16QAM	LCH	1	0	22.02	PASS
		1	12	22.04	PASS
		1	24	23.66	PASS
		12	0	20.79	PASS
		12	6	20.81	PASS
		12	13	22.41	PASS

		25	0	22.04	PASS
MCH		1	0	22.68	PASS
		1	12	22.65	PASS
		1	24	22.65	PASS
		12	0	22.20	PASS
		12	6	22.13	PASS
		12	13	22.16	PASS
		25	0	22.14	PASS
HCH		1	0	23.00	PASS
		1	12	21.40	PASS
		1	24	21.64	PASS
		12	0	21.89	PASS
		12	6	20.33	PASS
		12	13	20.56	PASS
		25	0	21.63	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.61	PASS
		1	24	24.19	PASS
		1	49	24.17	PASS
		25	0	23.16	PASS
		25	12	23.16	PASS
		25	25	23.20	PASS
		50	0	23.19	PASS
QPSK	MCH	1	0	24.13	PASS
		1	24	23.97	PASS
		1	49	24.08	PASS
		25	0	23.08	PASS
		25	12	23.06	PASS
		25	25	23.05	PASS
		50	0	23.07	PASS
QPSK	HCH	1	0	23.76	PASS
		1	24	23.57	PASS
		1	49	22.17	PASS
		25	0	22.64	PASS
		25	12	22.62	PASS
		25	25	22.64	PASS
		50	0	22.73	PASS
16QAM	LCH	1	0	21.89	PASS

		1	24	23.50	PASS
		1	49	23.45	PASS
		25	0	22.14	PASS
		25	12	22.15	PASS
		25	25	22.15	PASS
		50	0	22.07	PASS
	MCH	1	0	23.41	PASS
		1	24	23.32	PASS
		1	49	23.32	PASS
		25	0	22.11	PASS
		25	12	22.05	PASS
		25	25	22.07	PASS
		50	0	22.02	PASS
	HCH	1	0	22.99	PASS
		1	24	22.82	PASS
		1	49	21.42	PASS
		25	0	21.73	PASS
		25	12	21.70	PASS
		25	25	21.75	PASS
		50	0	21.71	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.60	PASS
		1	37	24.19	PASS
		1	74	24.22	PASS
		37	0	23.18	PASS
		37	18	23.26	PASS
		37	38	23.28	PASS
		75	0	23.26	PASS
	MCH	1	0	24.17	PASS
		1	37	23.97	PASS
		1	74	24.15	PASS
		37	0	23.20	PASS
		37	18	23.15	PASS
		37	38	23.14	PASS
		75	0	23.10	PASS
	HCH	1	0	23.72	PASS
		1	37	23.59	PASS
		1	74	22.29	PASS

		37	0	22.84	PASS
		37	18	22.70	PASS
		37	38	22.71	PASS
		75	0	22.70	PASS
16QAM	LCH	1	0	21.86	PASS
		1	37	23.49	PASS
		1	74	23.55	PASS
		37	0	22.07	PASS
		37	18	22.16	PASS
		37	38	22.15	PASS
		75	0	22.19	PASS
	MCH	1	0	23.42	PASS
		1	37	23.32	PASS
		1	74	23.34	PASS
		37	0	22.09	PASS
		37	18	22.08	PASS
		37	38	22.02	PASS
		75	0	22.09	PASS
	HCH	1	0	23.06	PASS
		1	37	22.81	PASS
		1	74	21.35	PASS
		37	0	21.84	PASS
		37	18	21.74	PASS
		37	38	21.79	PASS
		75	0	21.77	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.58	PASS
		1	49	24.29	PASS
		1	99	24.09	PASS
		50	0	23.24	PASS
		50	25	23.27	PASS
		50	50	23.21	PASS
		100	0	23.19	PASS
	MCH	1	0	24.17	PASS
		1	49	24.10	PASS
		1	99	23.93	PASS
		50	0	23.07	PASS
		50	25	23.11	PASS

		50	50	22.99	PASS
		100	0	23.06	PASS
16QAM	HCH	1	0	24.04	PASS
		1	49	23.77	PASS
		1	99	22.16	PASS
		50	0	22.77	PASS
		50	25	22.77	PASS
		50	50	22.74	PASS
		100	0	22.79	PASS
LCH	LCH	1	0	21.80	PASS
		1	49	23.44	PASS
		1	99	23.21	PASS
		50	0	22.14	PASS
		50	25	22.25	PASS
		50	50	22.15	PASS
		100	0	22.16	PASS
	MCH	1	0	23.26	PASS
		1	49	23.07	PASS
		1	99	23.04	PASS
		50	0	22.06	PASS
		50	25	22.09	PASS
		50	50	21.95	PASS
		100	0	22.04	PASS
HCH	HCH	1	0	22.96	PASS
		1	49	22.80	PASS
		1	99	21.26	PASS
		50	0	21.83	PASS
		50	25	21.75	PASS
		50	50	21.78	PASS
		100	0	21.86	PASS

Appendix B: Peak-to-Average Ratio

Test Result

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	8.09	<13	PASS
		1	12	9.88	<13	PASS
		1	24	8.05	<13	PASS
		12	0	10.02	<13	PASS
		12	6	10.08	<13	PASS
		12	13	7.28	<13	PASS
		25	0	9.59	<13	PASS
	MCH	1	0	7.06	<13	PASS
		1	12	7.91	<13	PASS
		1	24	6.12	<13	PASS
		12	0	7.62	<13	PASS
		12	6	8.08	<13	PASS
		12	13	6.39	<13	PASS
		25	0	7.74	<13	PASS
16QAM	LCH	1	0	4.86	<13	PASS
		1	12	6.41	<13	PASS
		1	24	7.02	<13	PASS
		12	0	7.34	<13	PASS
		12	6	8.36	<13	PASS
		12	13	8.12	<13	PASS
		25	0	6.97	<13	PASS
	MCH	1	0	8.79	<13	PASS
		1	12	9.94	<13	PASS
		1	24	8.43	<13	PASS
		12	0	10.67	<13	PASS
		12	6	12.31	<13	PASS
		12	13	9.42	<13	PASS
		25	0	10.45	<13	PASS

		12	0	6.67	<13	PASS
		12	6	7.69	<13	PASS
		12	13	7.54	<13	PASS
		25	0	8.98	<13	PASS
HCH		1	0	5.23	<13	PASS
		1	12	7.94	<13	PASS
		1	24	6.92	<13	PASS
		12	0	8.95	<13	PASS
		12	6	9.43	<13	PASS
		12	13	8.42	<13	PASS
		25	0	7.53	<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	9.32	<13	PASS
		1	24	8.57	<13	PASS
		1	49	8.34	<13	PASS
		25	0	7.62	<13	PASS
		25	12	10.48	<13	PASS
		25	25	7.75	<13	PASS
		50	0	9.52	<13	PASS
	MCH	1	0	6.65	<13	PASS
		1	24	9.94	<13	PASS
		1	49	6.83	<13	PASS
		25	0	8.07	<13	PASS
		25	12	7.92	<13	PASS
		25	25	7.93	<13	PASS
		50	0	6.85	<13	PASS
	HCH	1	0	10.02	<13	PASS
		1	24	4.86	<13	PASS
		1	49	7.91	<13	PASS
		25	0	7.52	<13	PASS
		25	12	9.04	<13	PASS
		25	25	6.69	<13	PASS
		50	0	8.38	<13	PASS
16QAM	LCH	1	0	9.27	<13	PASS
		1	24	7.54	<13	PASS
		1	49	8.76	<13	PASS
		25	0	10.01	<13	PASS

		25	12	9.55	<13	PASS
		25	25	8.63	<13	PASS
		50	0	9.02	<13	PASS
MCH	MCH	1	0	7.43	<13	PASS
		1	24	7.89	<13	PASS
		1	49	5.99	<13	PASS
		25	0	9.29	<13	PASS
		25	12	9.76	<13	PASS
		25	25	7.84	<13	PASS
		50	0	7.64	<13	PASS
HCH	HCH	1	0	7.44	<13	PASS
		1	24	6.67	<13	PASS
		1	49	8.28	<13	PASS
		25	0	10.38	<13	PASS
		25	12	7.58	<13	PASS
		25	25	7.06	<13	PASS
		50	0	7.89	<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	8.83	<13	PASS
		1	37	7.48	<13	PASS
		1	74	9.04	<13	PASS
		37	0	8.93	<13	PASS
		37	18	8.3	<13	PASS
		37	38	8.96	<13	PASS
		75	0	7.5	<13	PASS
	MCH	1	0	9.21	<13	PASS
		1	37	7.47	<13	PASS
		1	74	9.95	<13	PASS
		37	0	7.29	<13	PASS
		37	18	8.89	<13	PASS
		37	38	7.17	<13	PASS
		75	0	8.13	<13	PASS
	HCH	1	0	9.21	<13	PASS
		1	37	6.15	<13	PASS
		1	74	7.4	<13	PASS
		37	0	7.78	<13	PASS
		37	18	11.65	<13	PASS

		37	38	7.91	<13	PASS
		75	0	8.81	<13	PASS
16QAM	LCH	1	0	10.55	<13	PASS
		1	37	8.99	<13	PASS
		1	74	8.58	<13	PASS
		37	0	9.48	<13	PASS
		37	18	9.7	<13	PASS
		37	38	10.57	<13	PASS
		75	0	10.17	<13	PASS
	MCH	1	0	8.77	<13	PASS
		1	37	9.2	<13	PASS
		1	74	9.78	<13	PASS
		37	0	9.08	<13	PASS
		37	18	8.45	<13	PASS
		37	38	8.15	<13	PASS
		75	0	9.23	<13	PASS
	HCH	1	0	8.05	<13	PASS
		1	37	8.88	<13	PASS
		1	74	8.14	<13	PASS
		37	0	7.98	<13	PASS
		37	18	7.7	<13	PASS
		37	38	9.61	<13	PASS
		75	0	8.72	<13	PASS

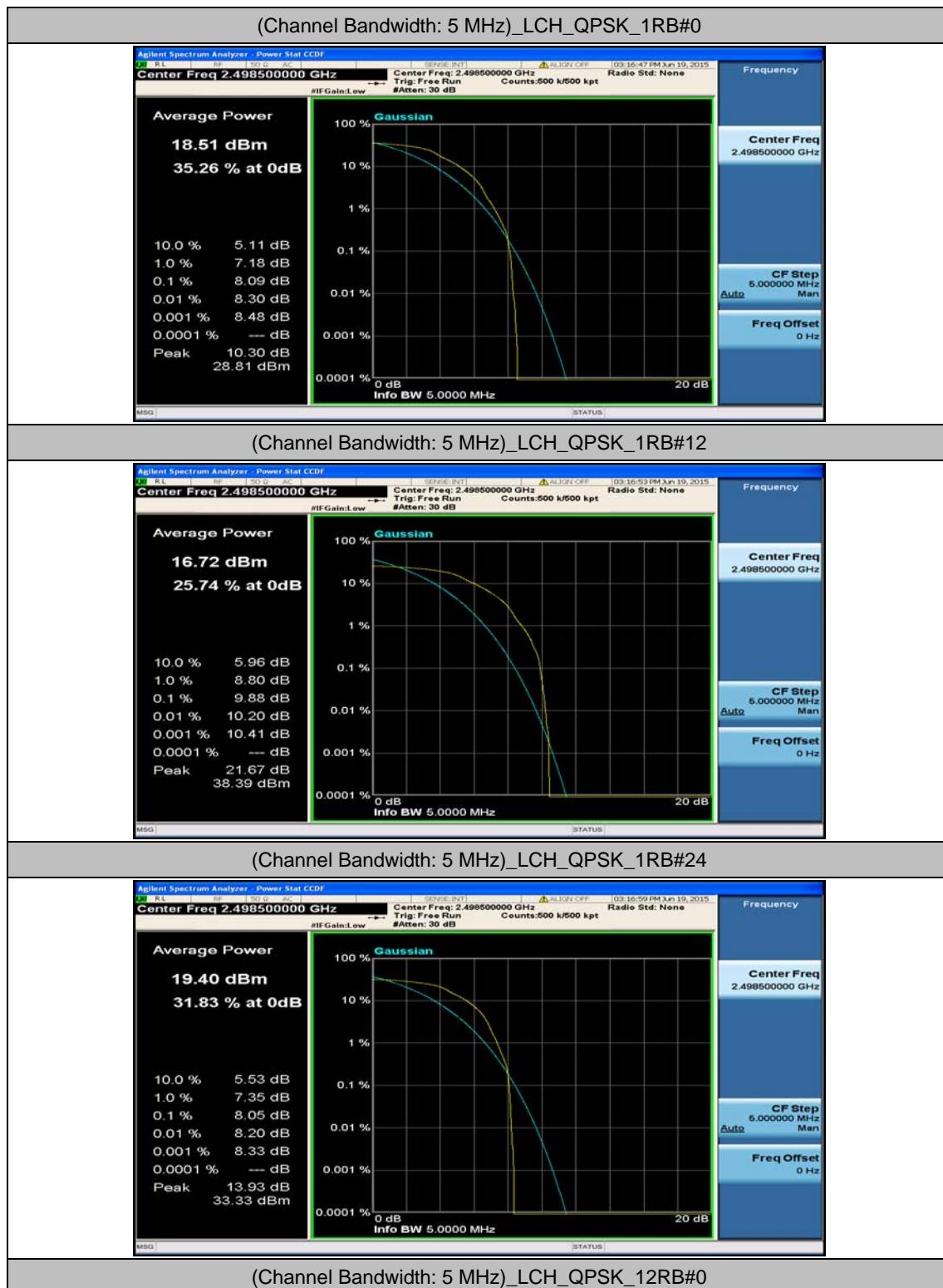
Channel Bandwidth: 20 MHz

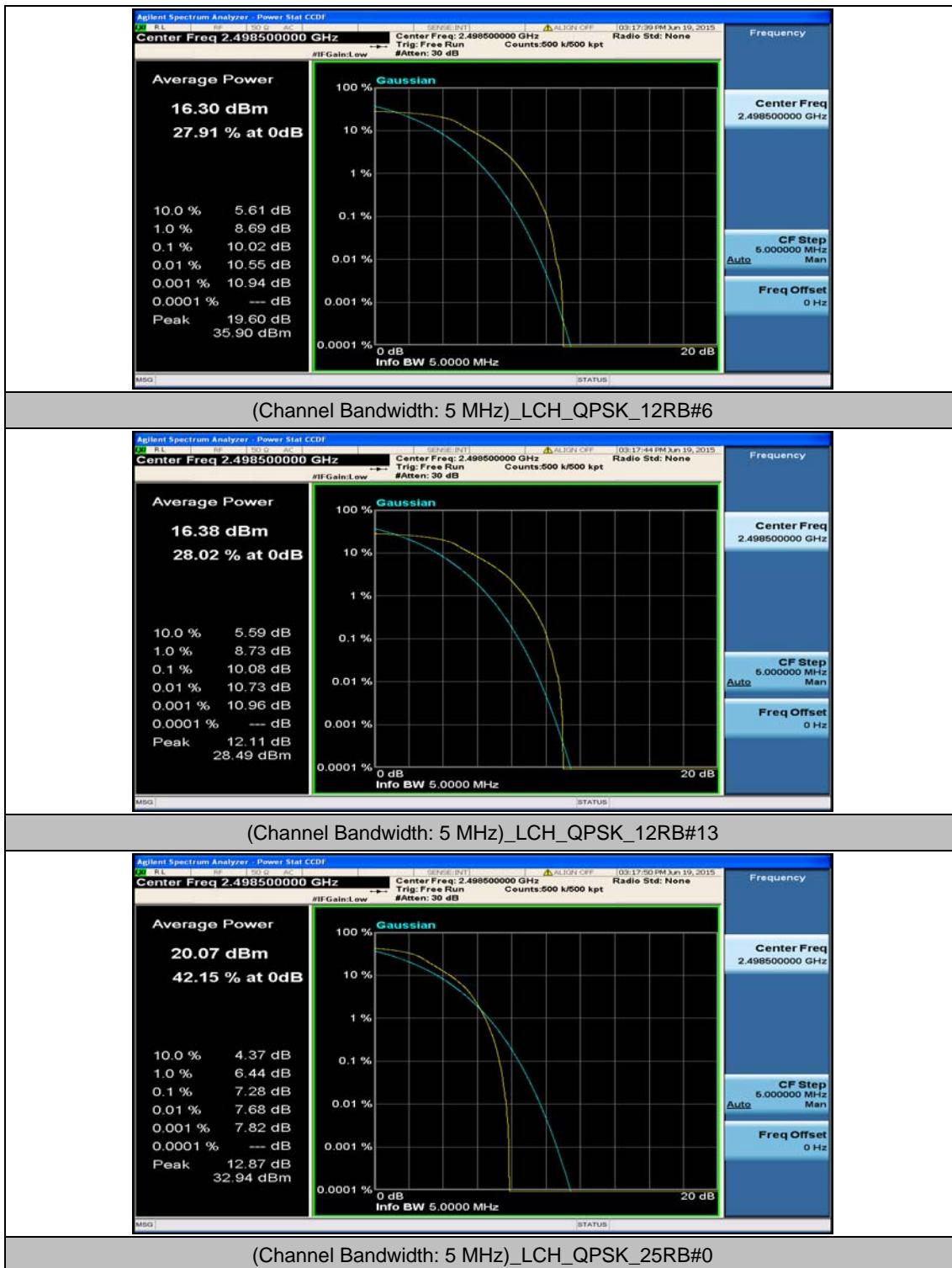
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.86	<13	PASS
		1	49	8.6	<13	PASS
		1	99	4.61	<13	PASS
		50	0	8.97	<13	PASS
		50	25	8.2	<13	PASS
		50	50	10.41	<13	PASS
		100	0	9.91	<13	PASS
	MCH	1	0	6.17	<13	PASS
		1	49	6.84	<13	PASS
		1	99	5.21	<13	PASS
		50	0	8.55	<13	PASS
		50	25	7.1	<13	PASS
		50	50	8.12	<13	PASS

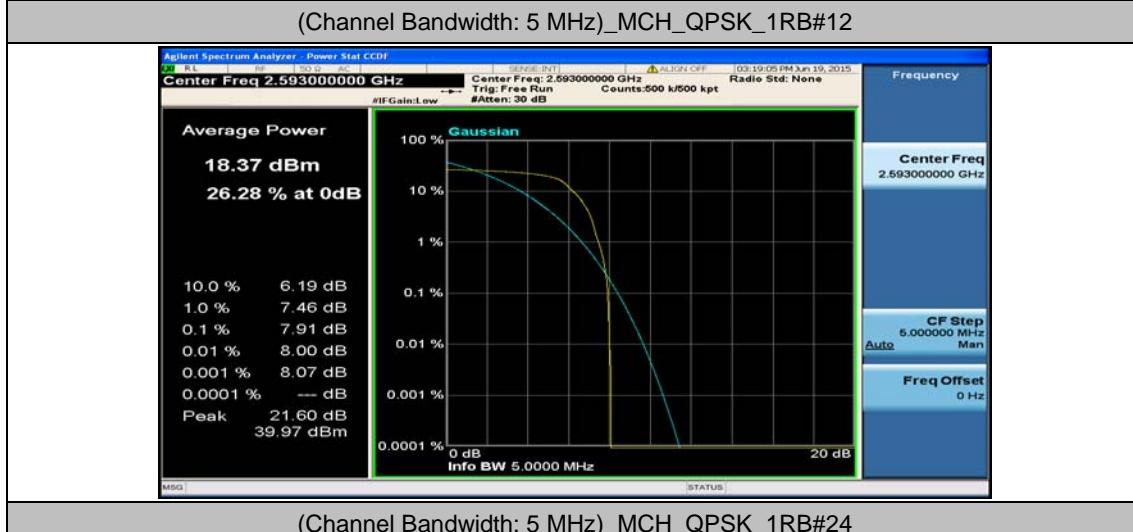
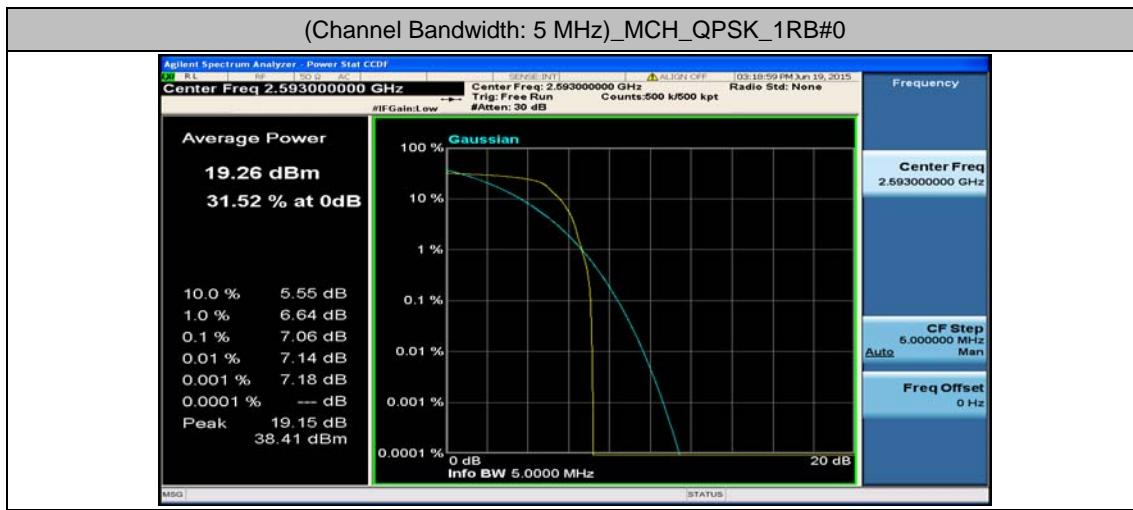
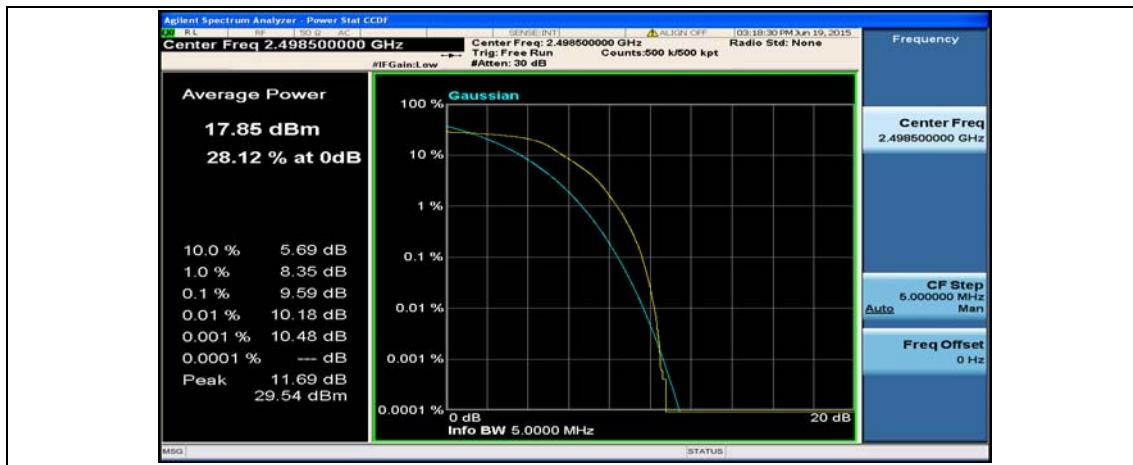
		100	0	10.29	<13	PASS
HCH	LCH	1	0	5.35	<13	PASS
		1	49	7.38	<13	PASS
		1	99	9.48	<13	PASS
		50	0	8.65	<13	PASS
		50	25	8.39	<13	PASS
		50	50	11.65	<13	PASS
		100	0	8.41	<13	PASS
16QAM	MCH	1	0	5.69	<13	PASS
		1	49	8.46	<13	PASS
		1	99	5.81	<13	PASS
		50	0	10.09	<13	PASS
		50	25	9.05	<13	PASS
		50	50	11.92	<13	PASS
		100	0	9.45	<13	PASS
	HCH	1	0	5.95	<13	PASS
		1	49	9.05	<13	PASS
		1	99	6.43	<13	PASS
		50	0	9.53	<13	PASS
		50	25	9.48	<13	PASS
		50	50	9.79	<13	PASS
		100	0	10.77	<13	PASS

Test Graphs

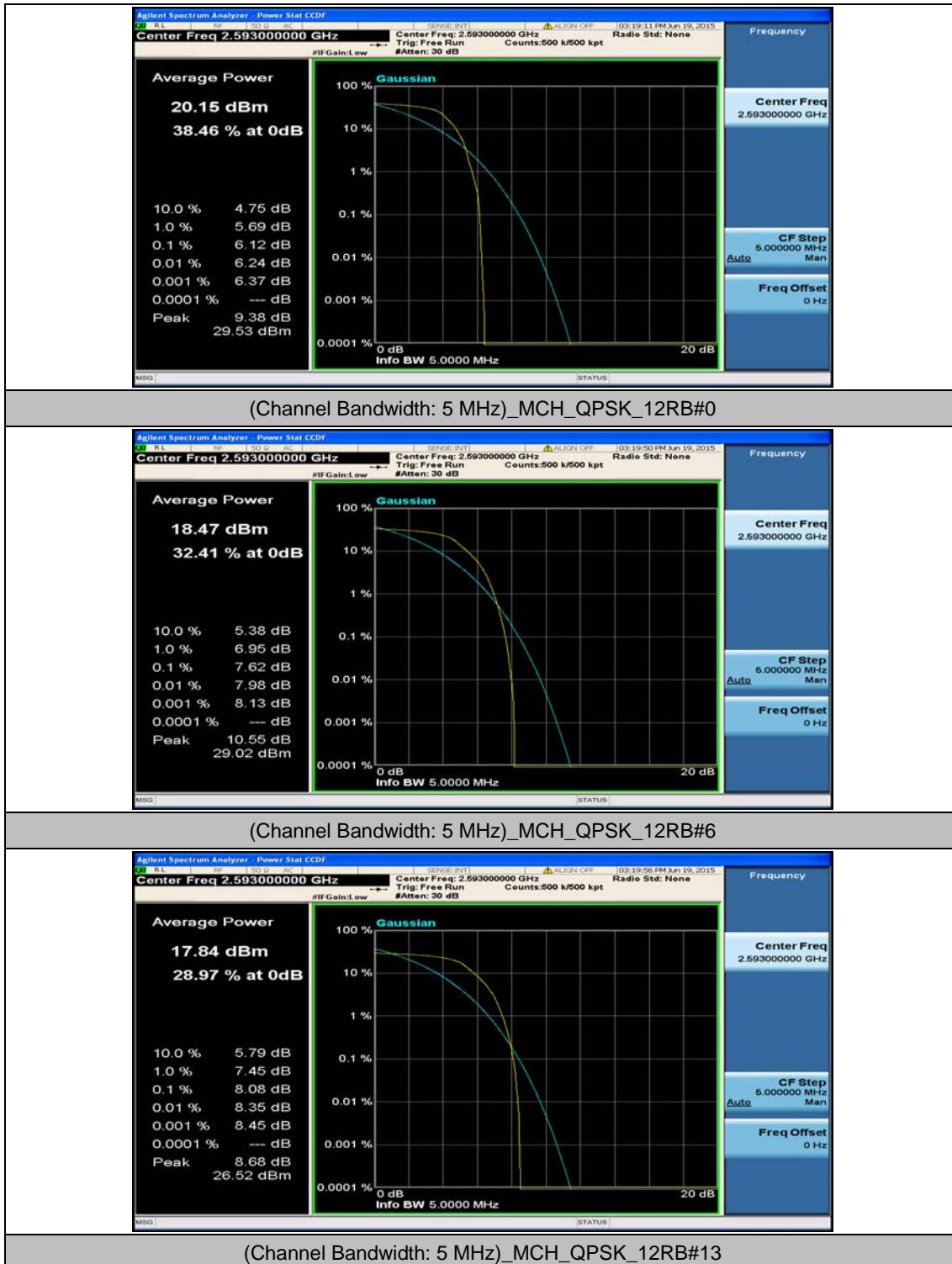
Channel Bandwidth: 5 MHz

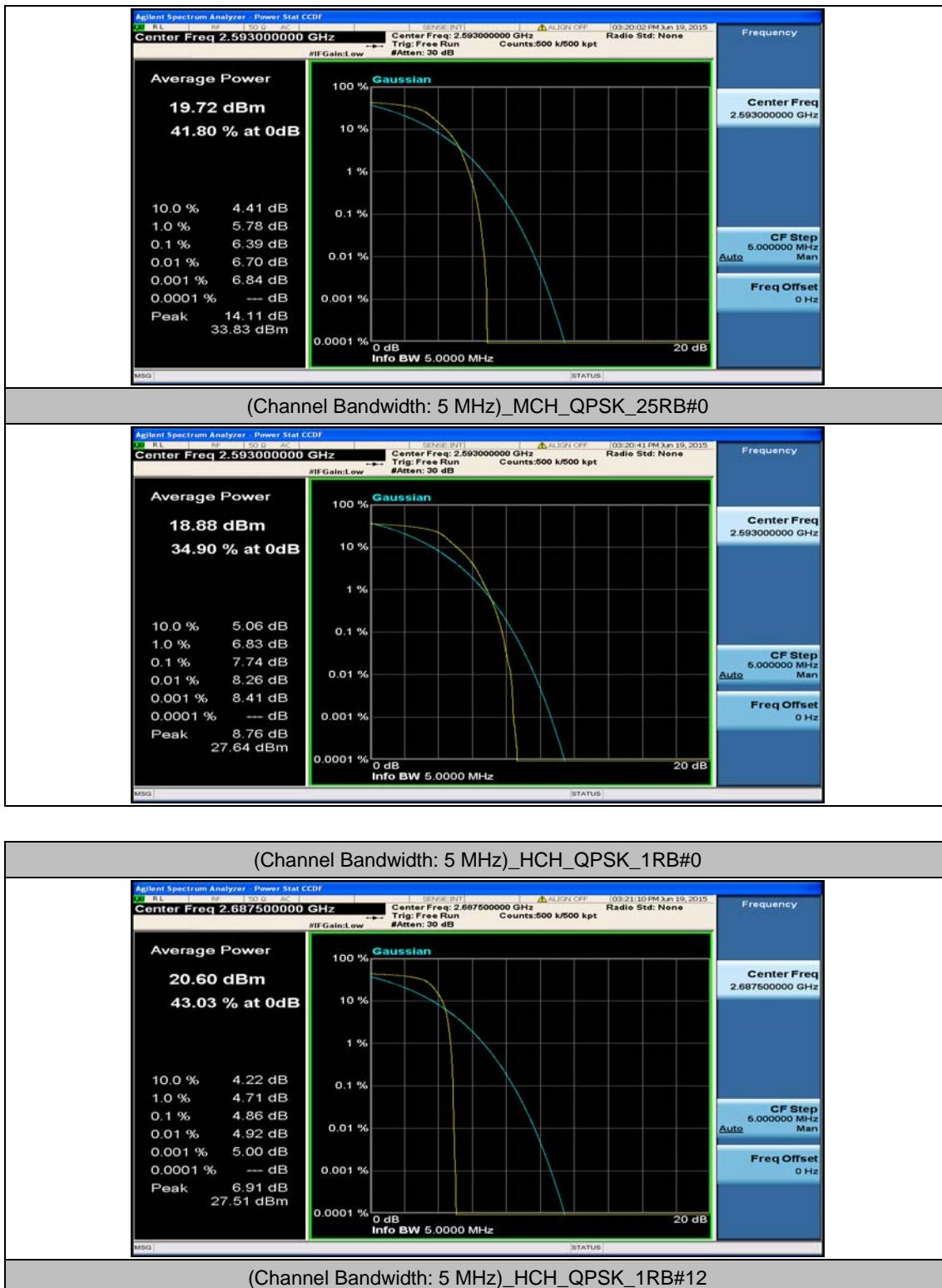


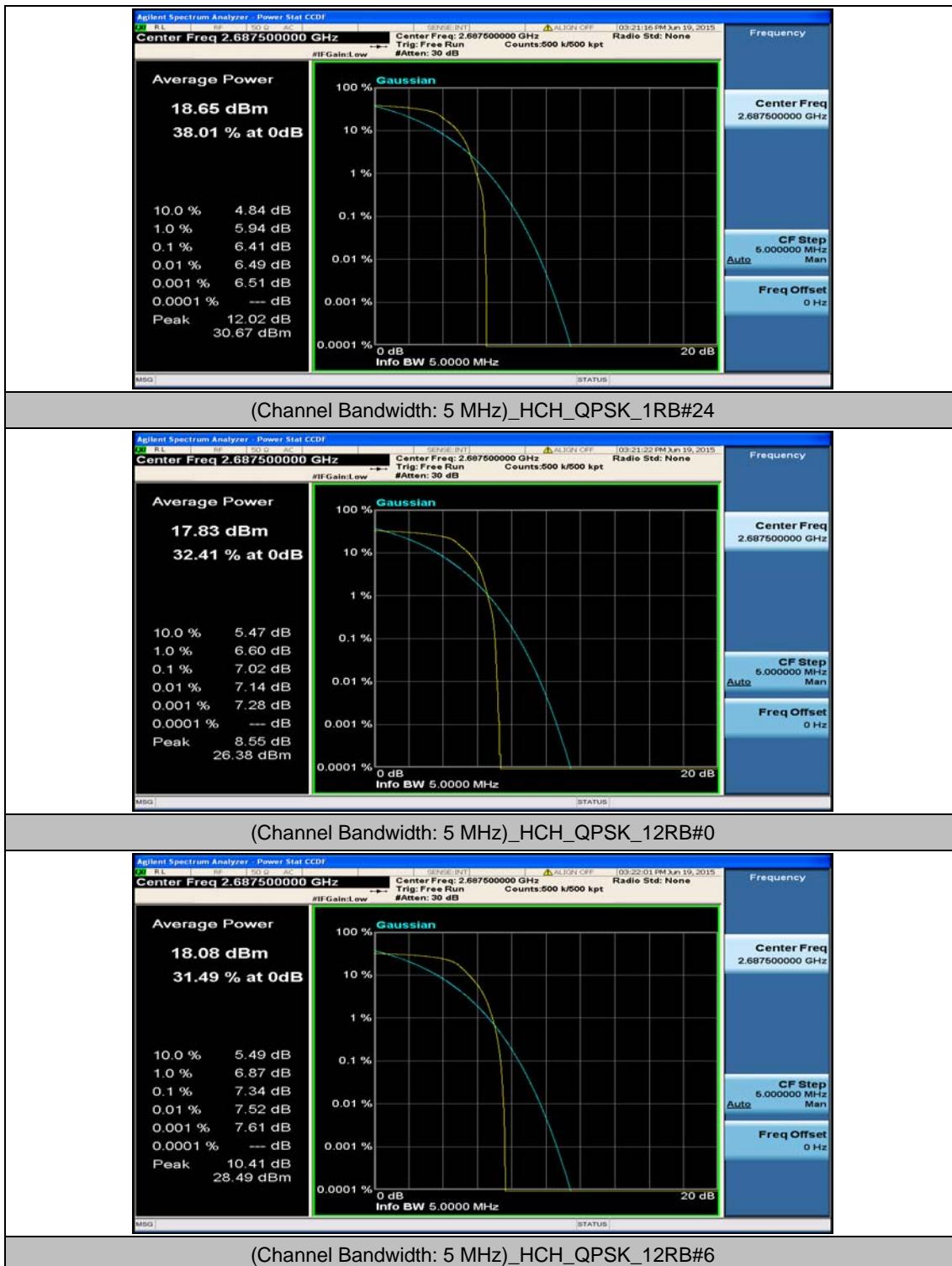


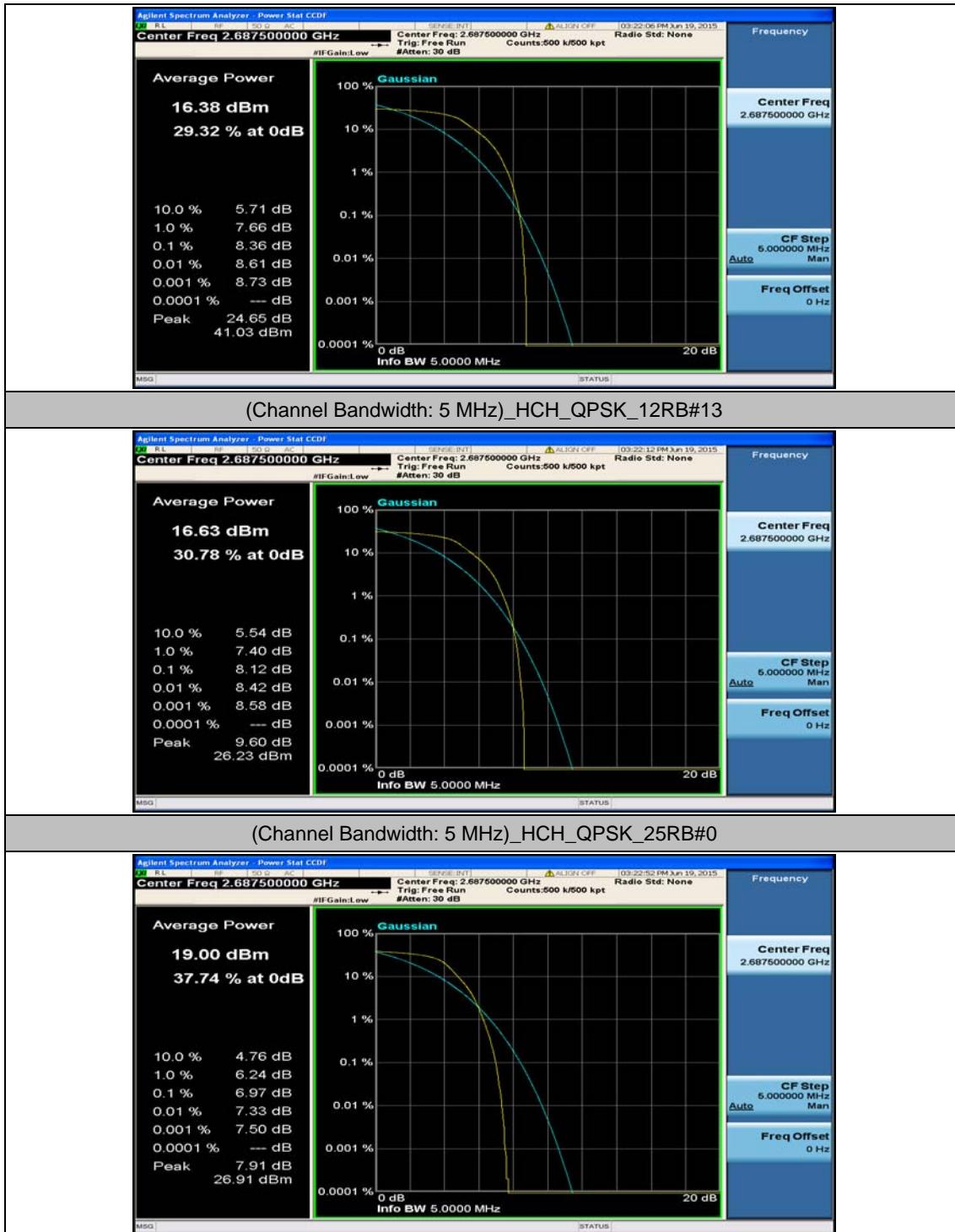


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

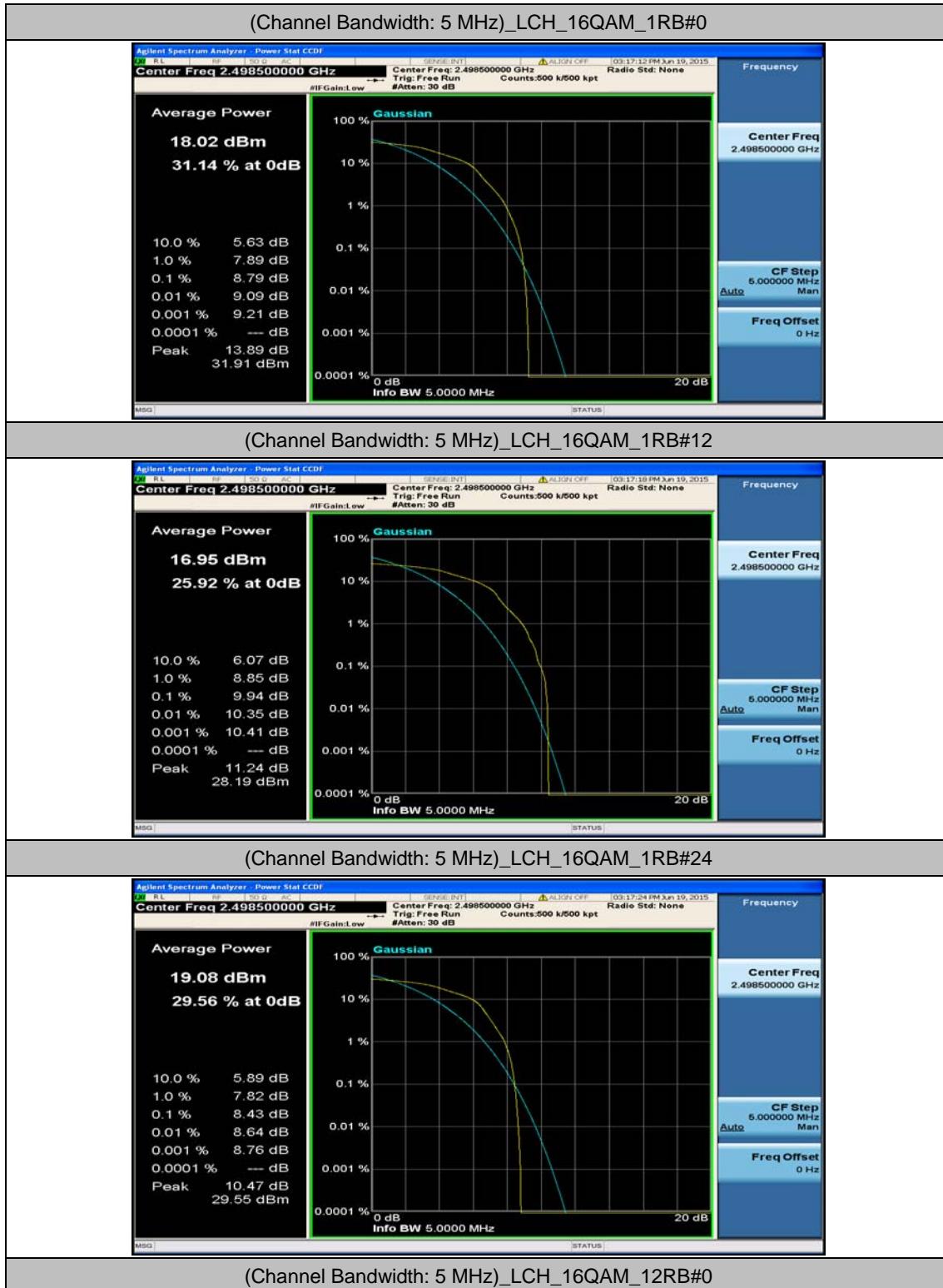


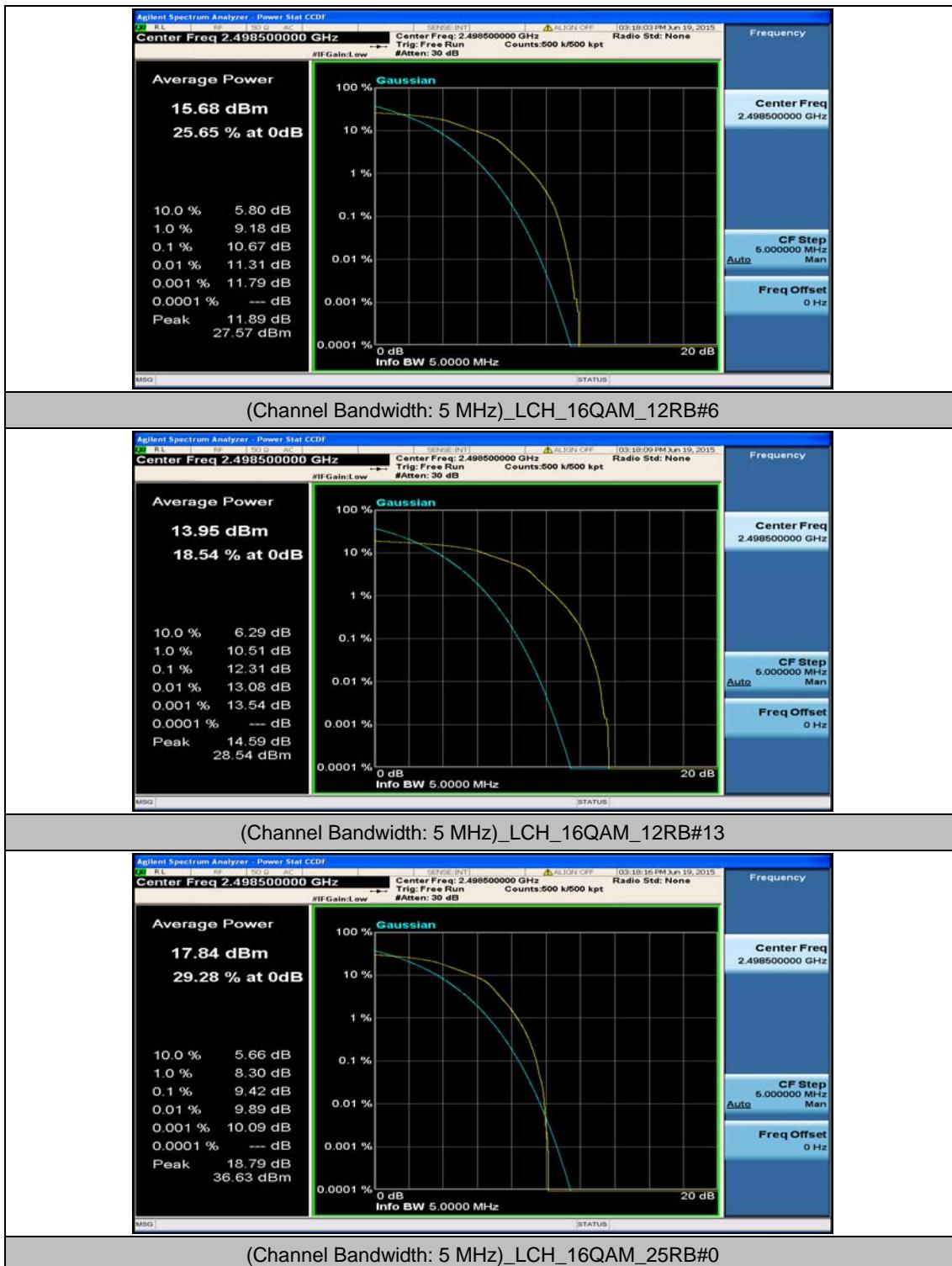


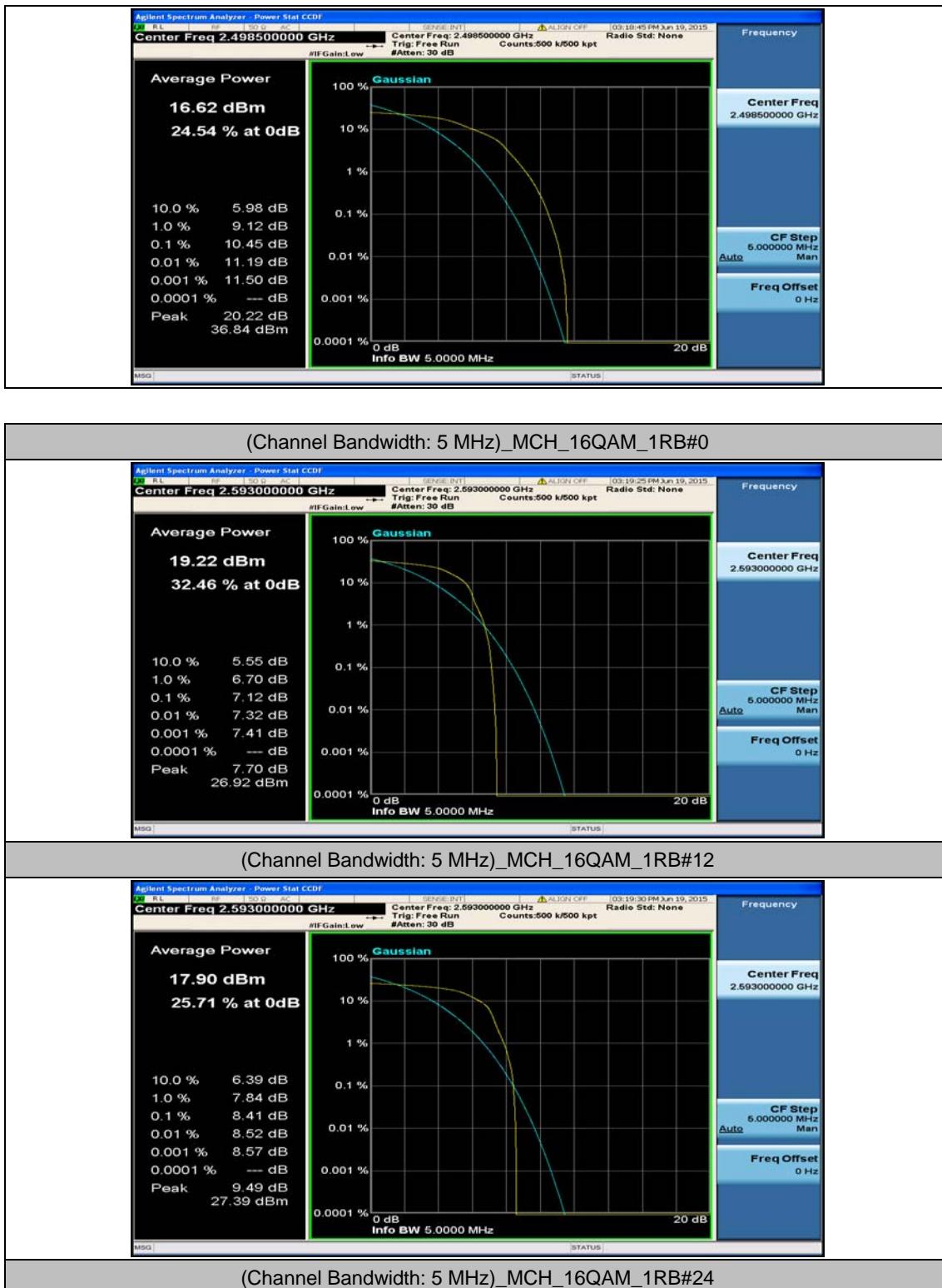


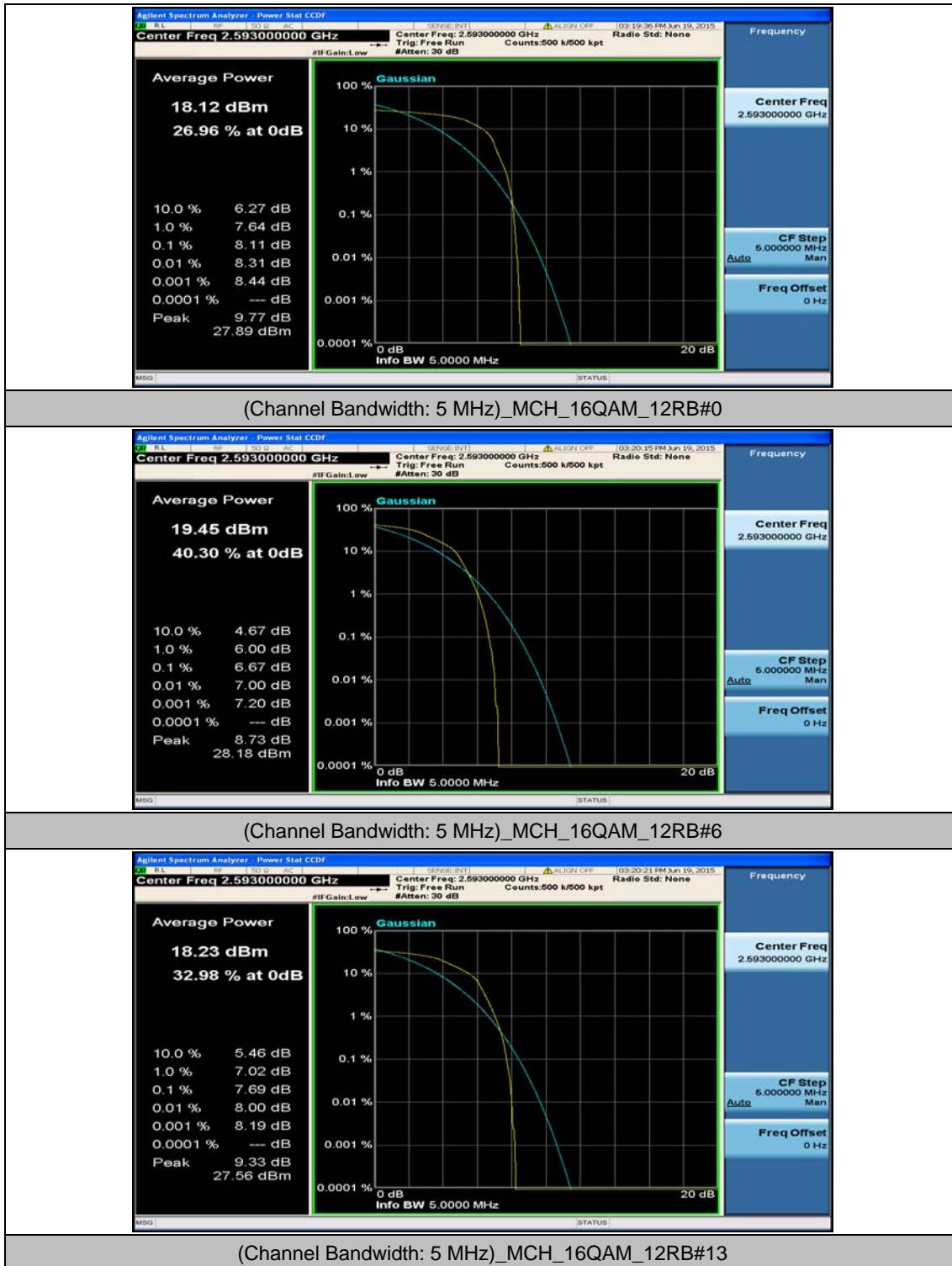


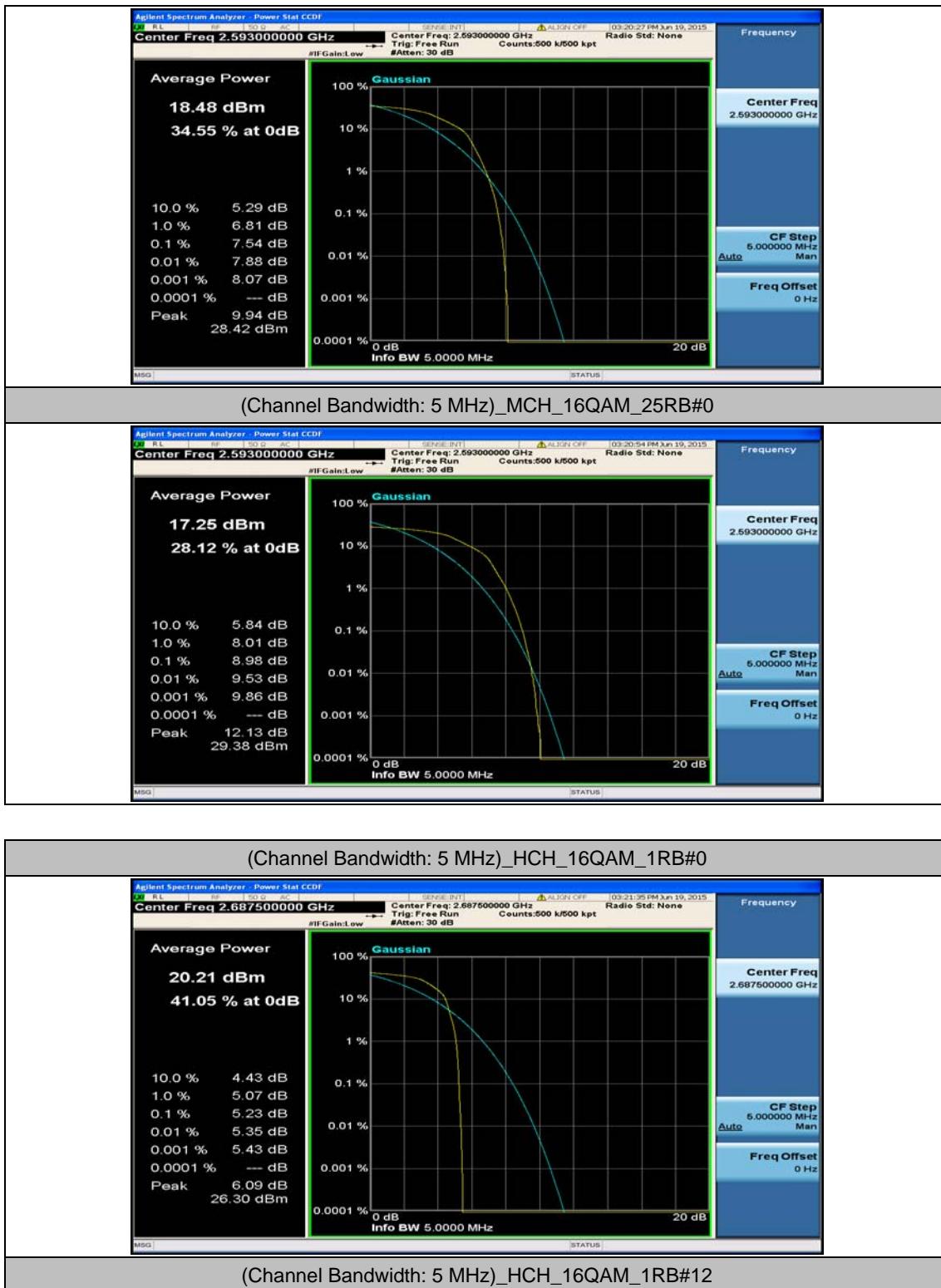
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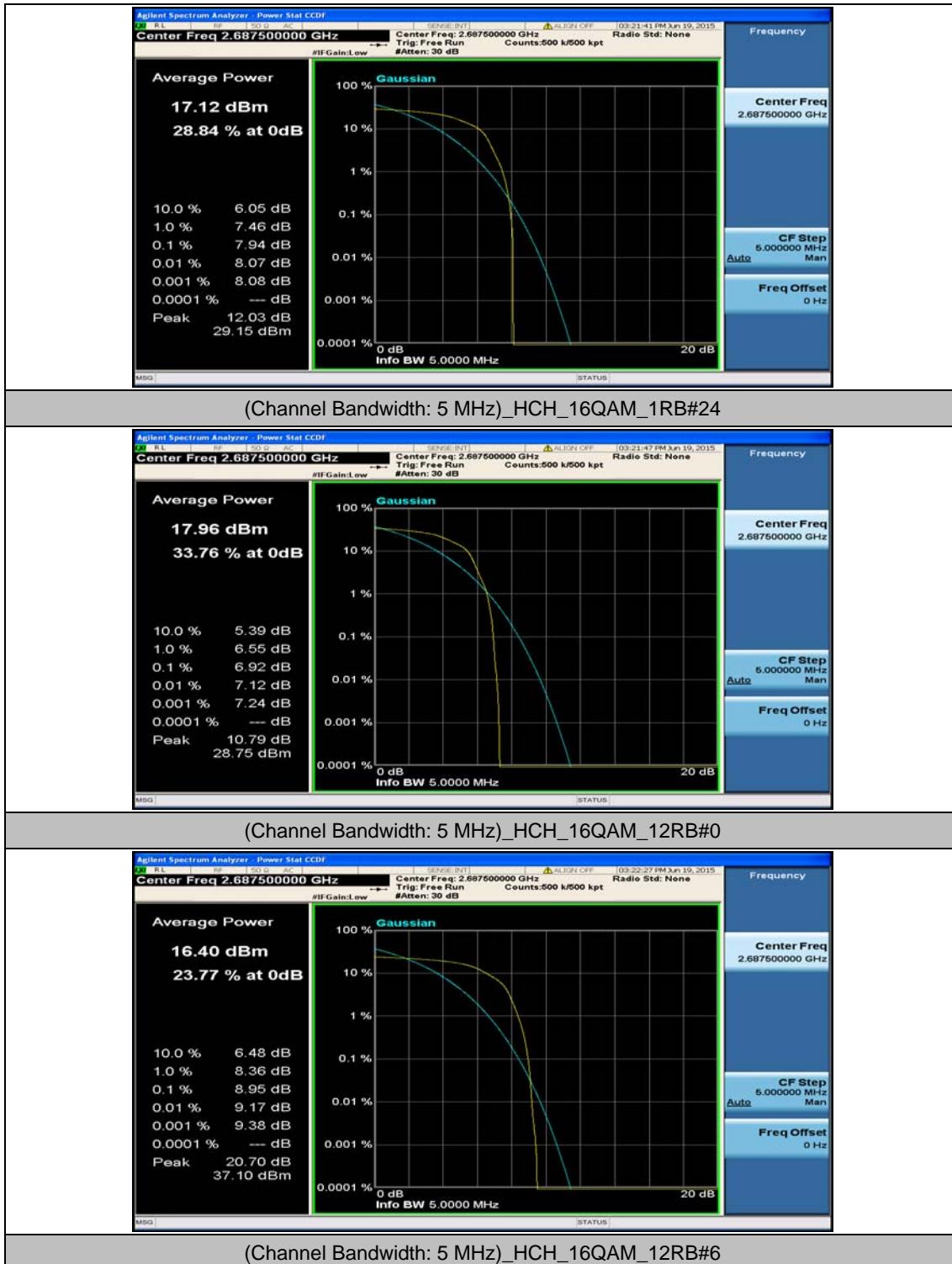


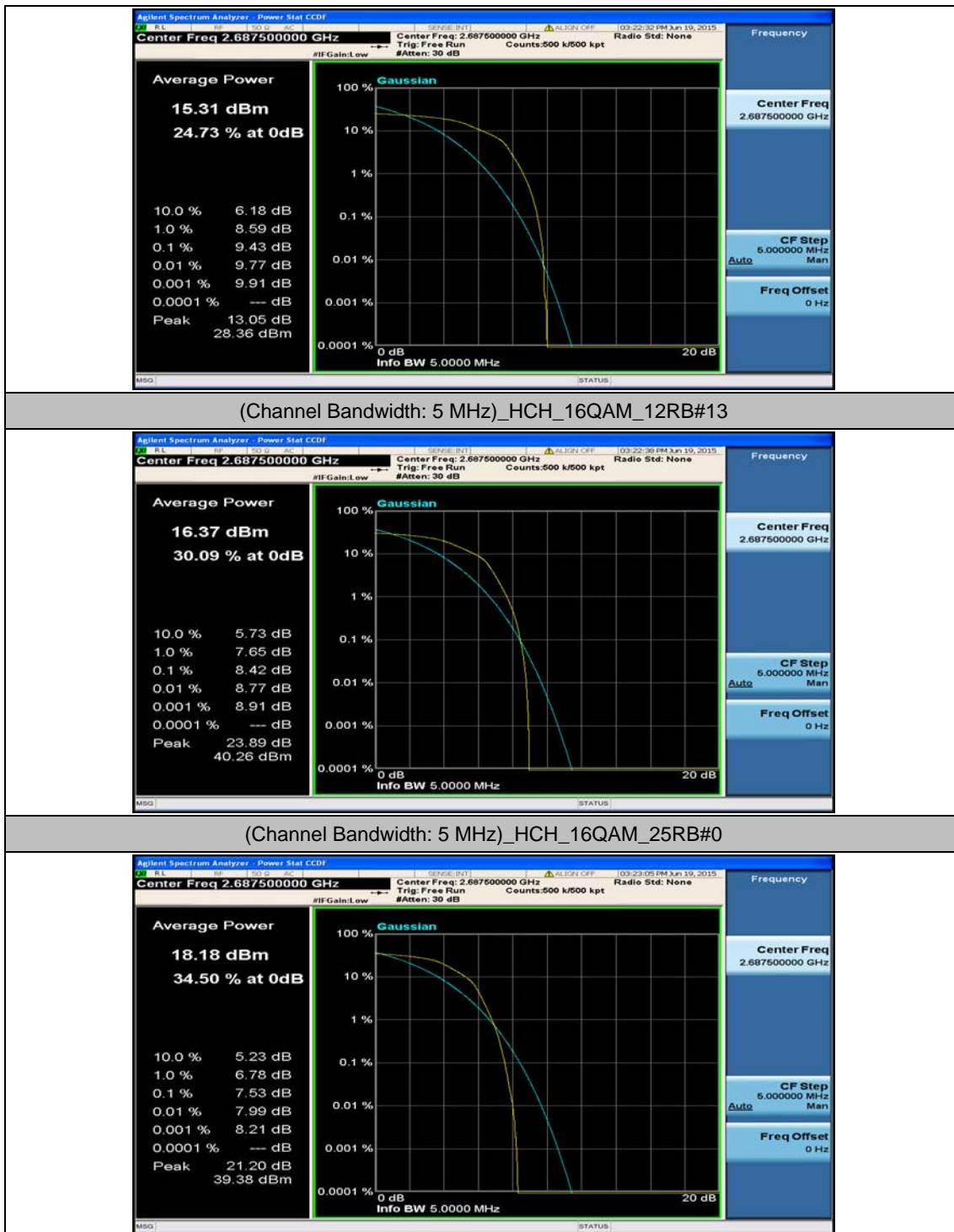






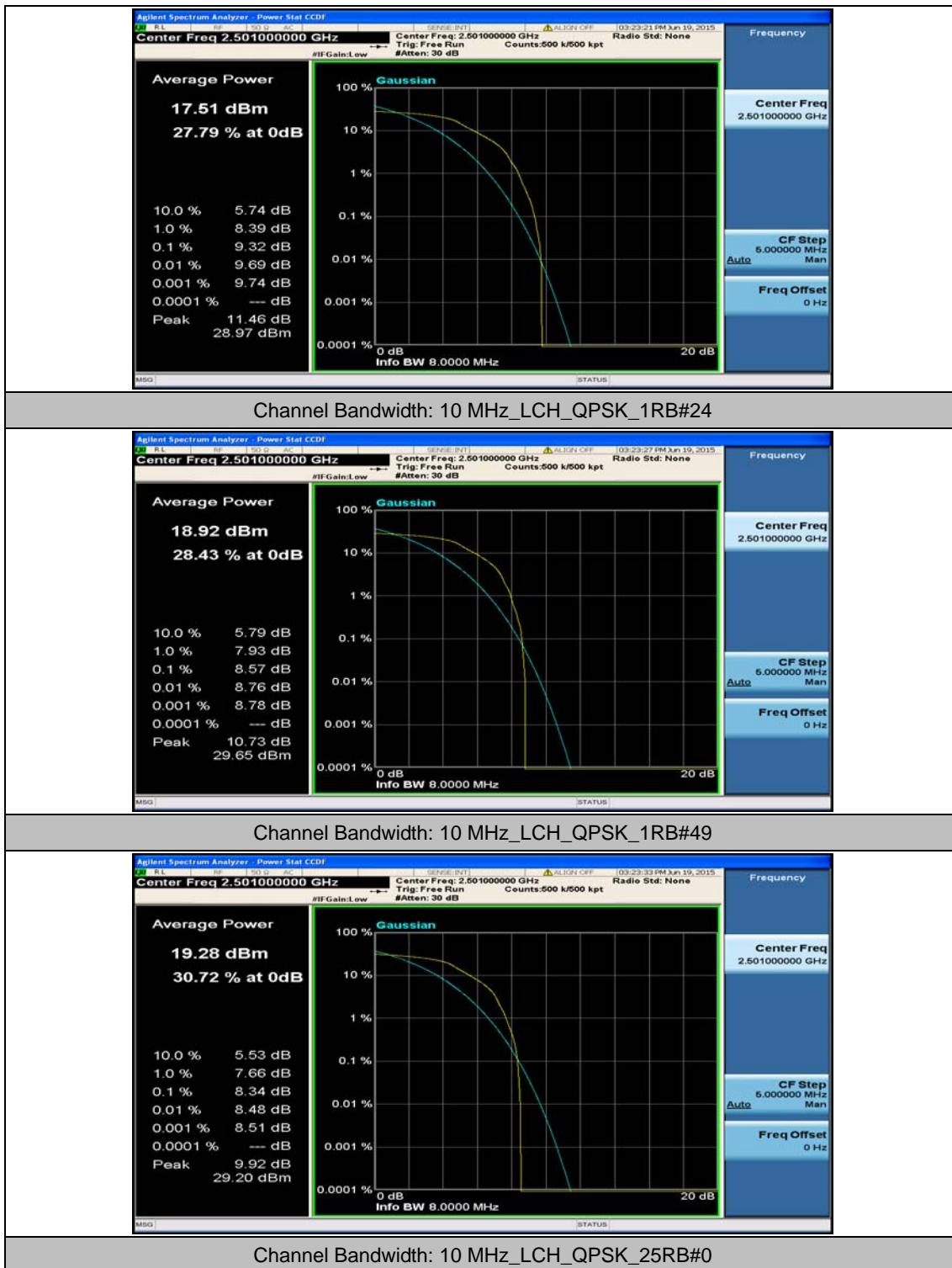


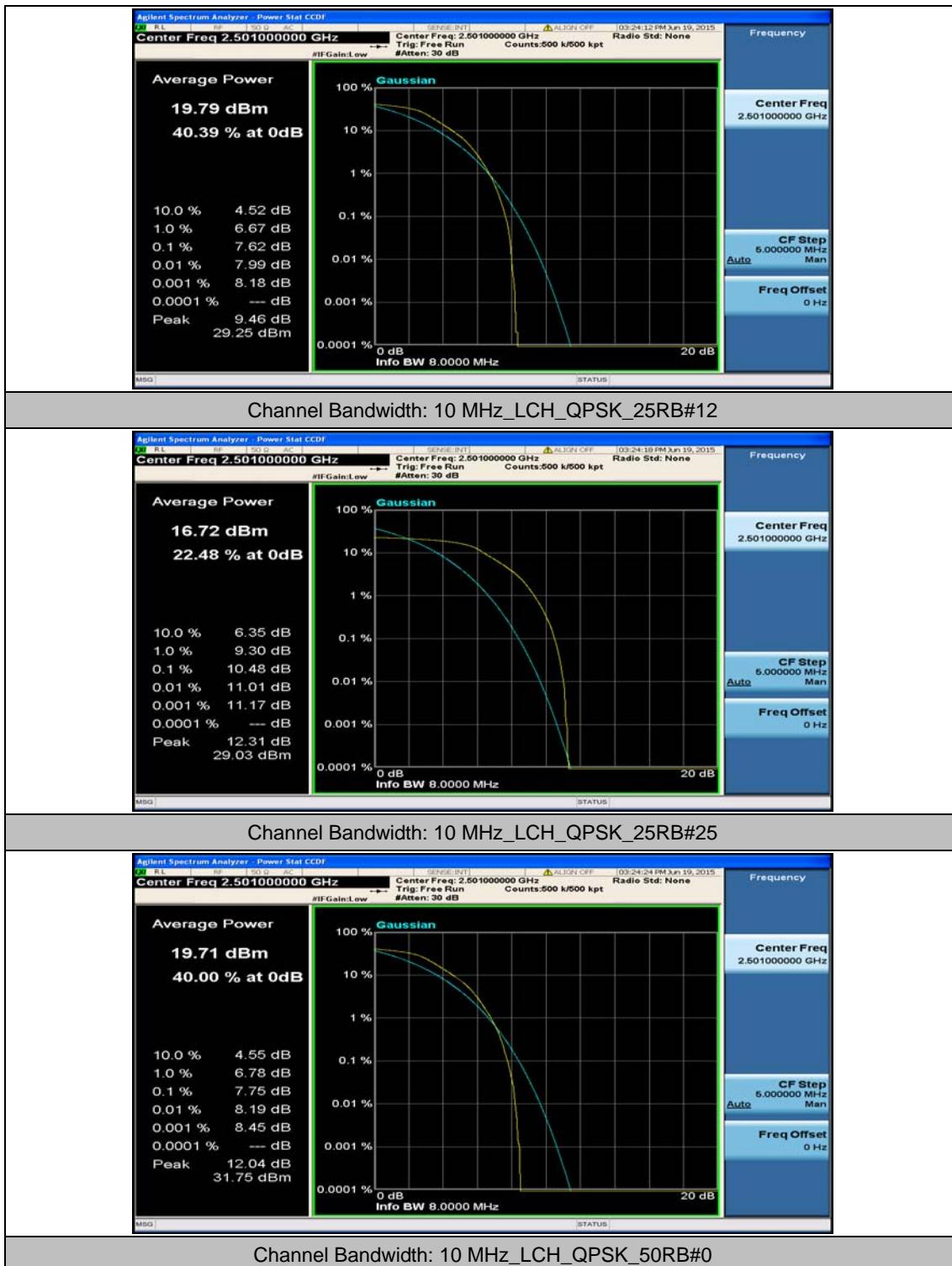


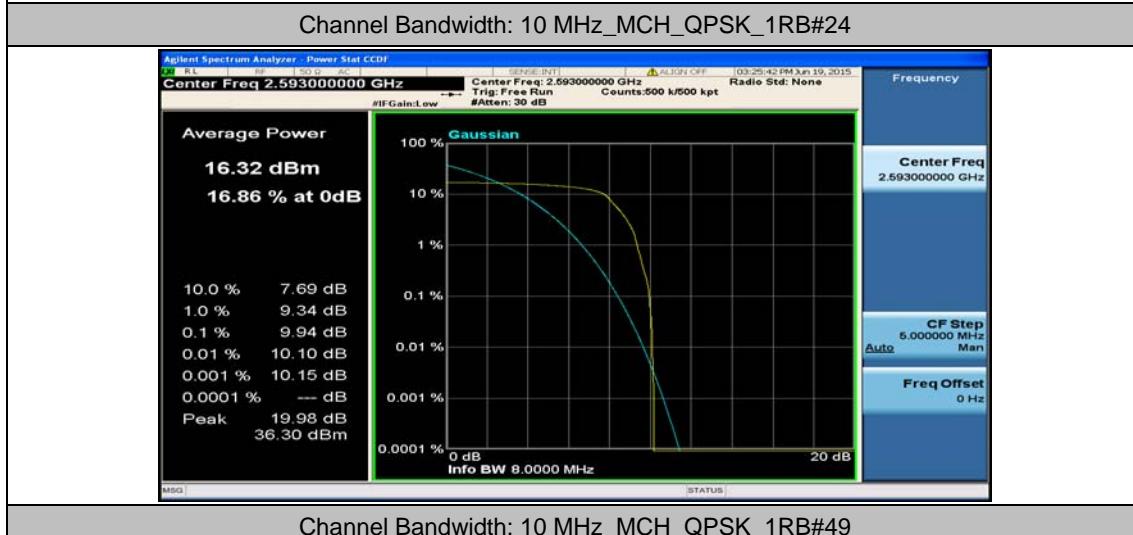
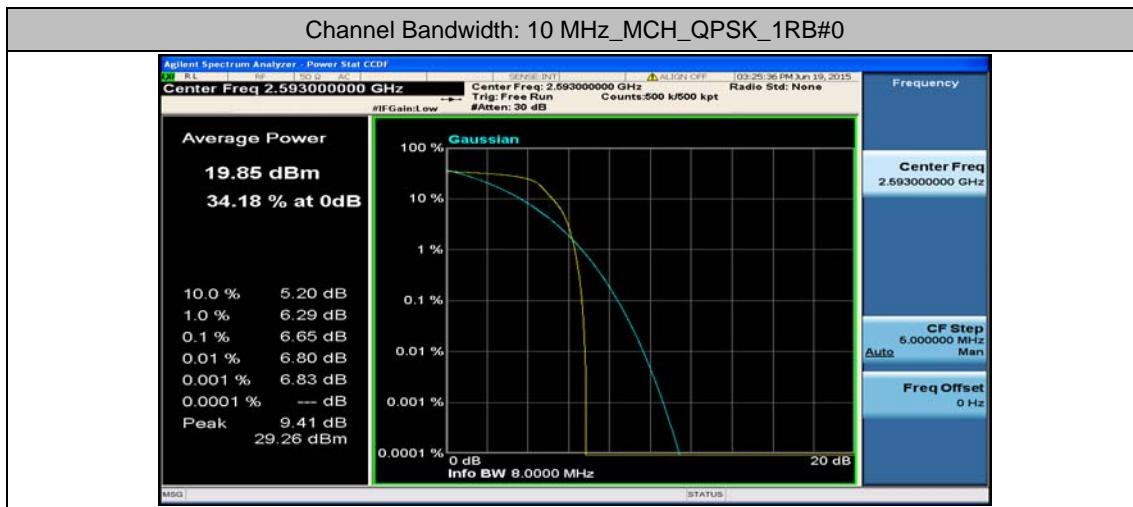
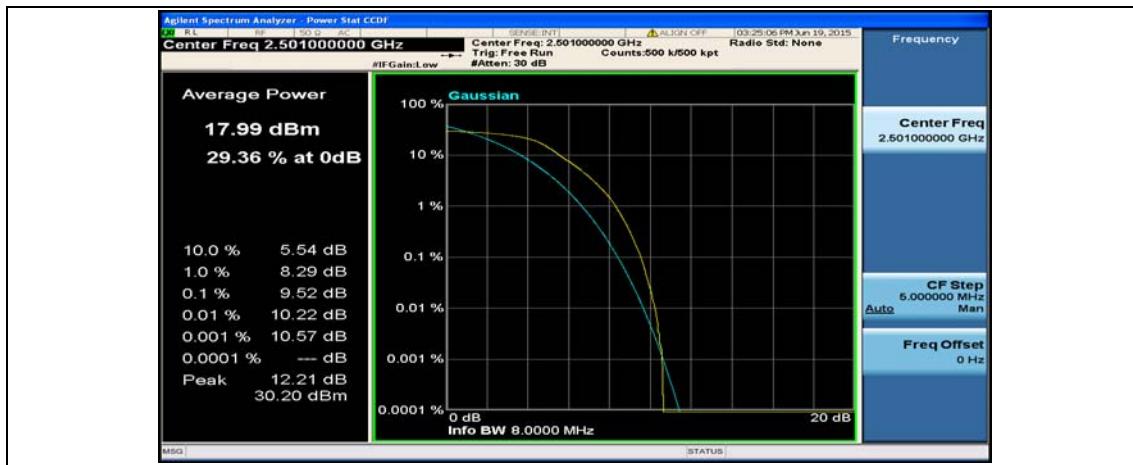


Channel Bandwidth: 10 MHz

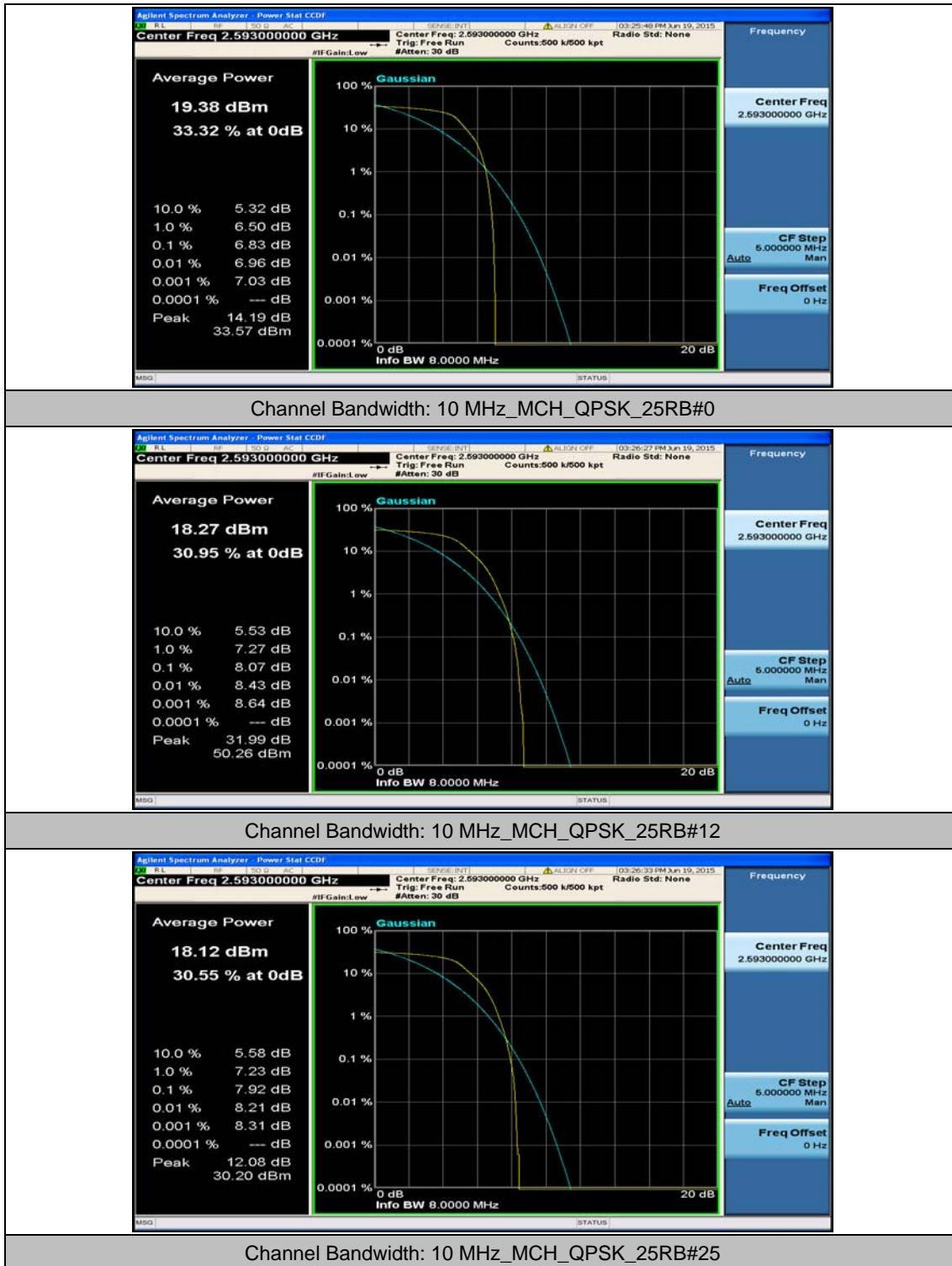
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

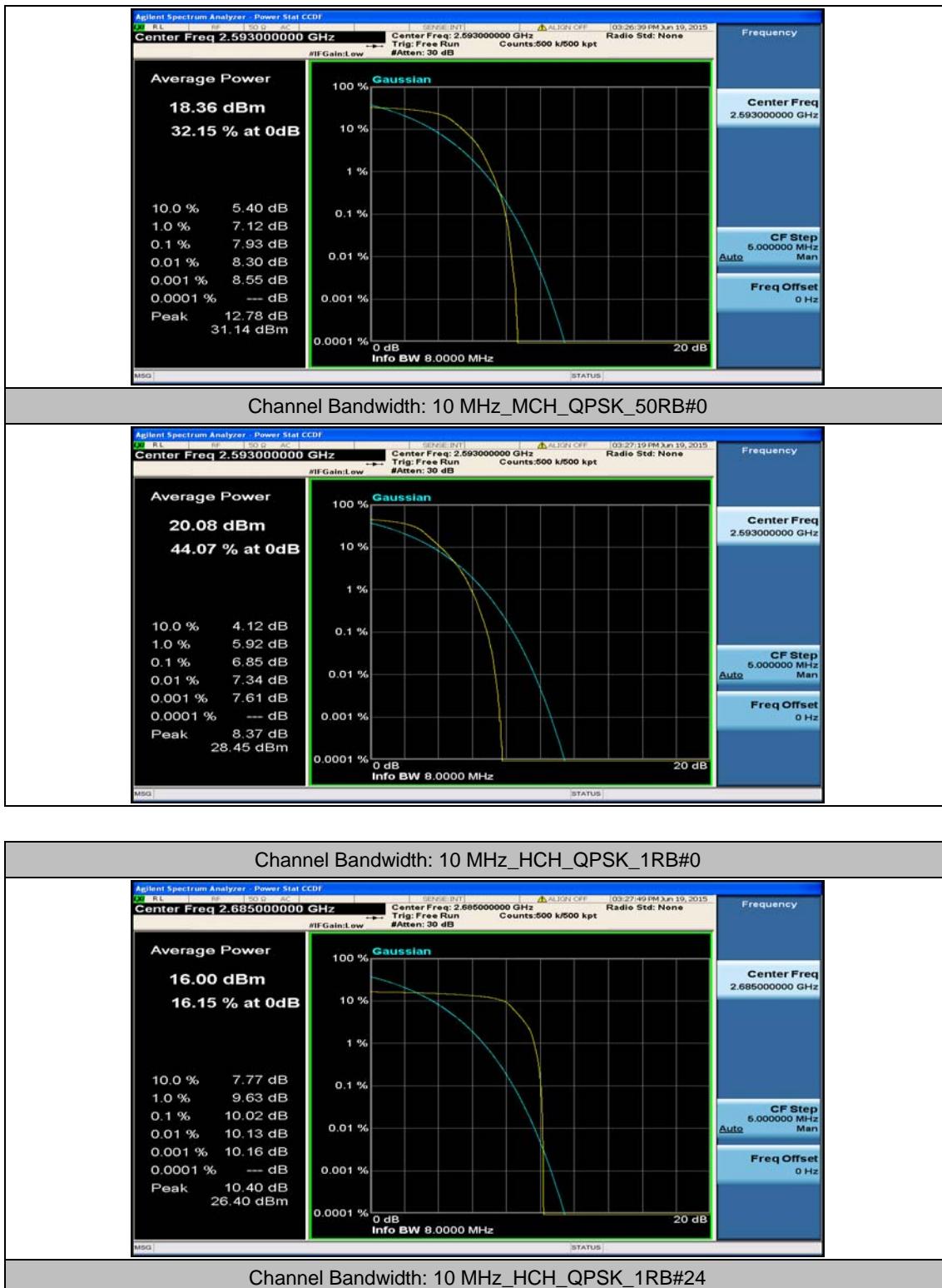


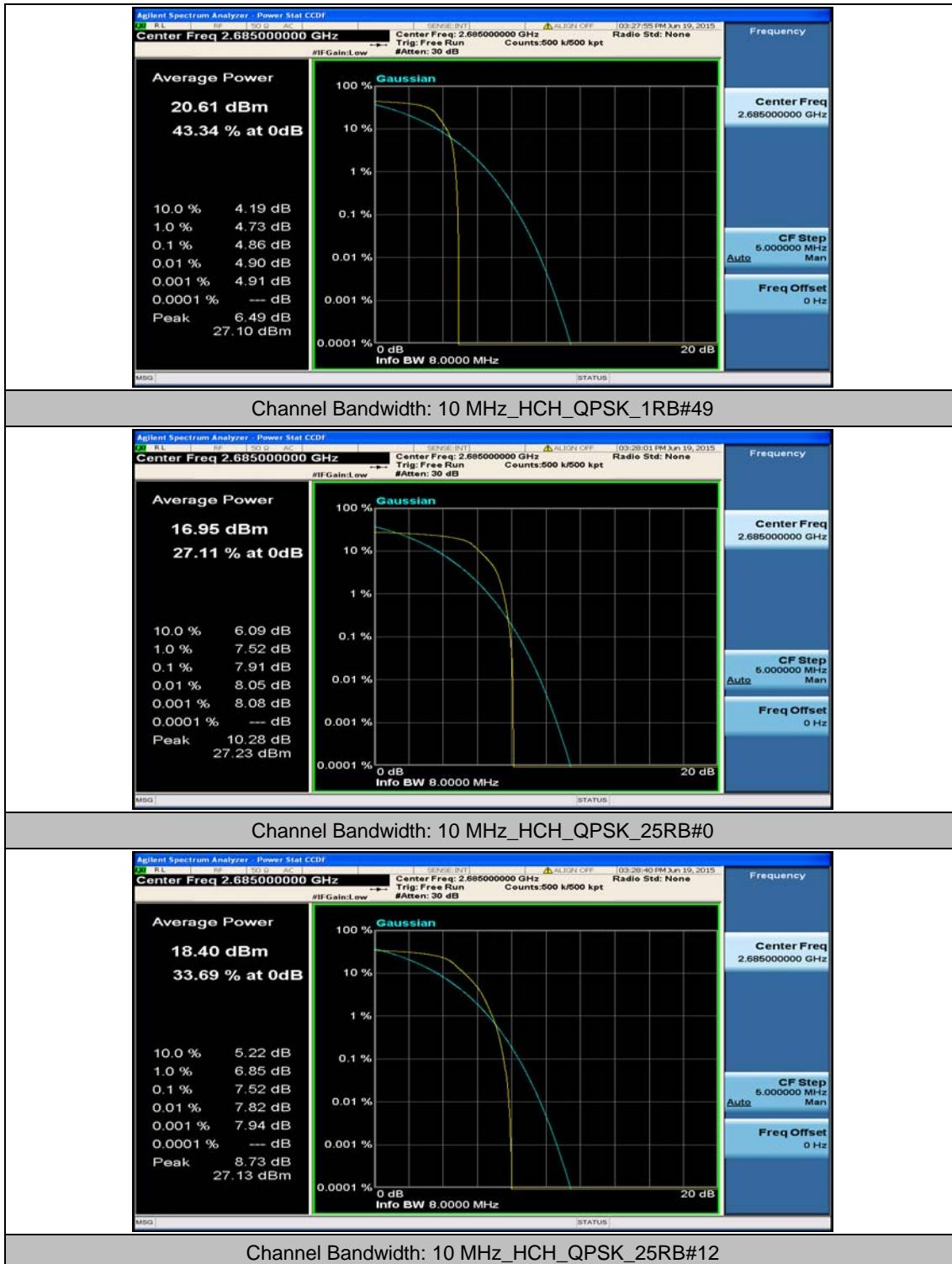


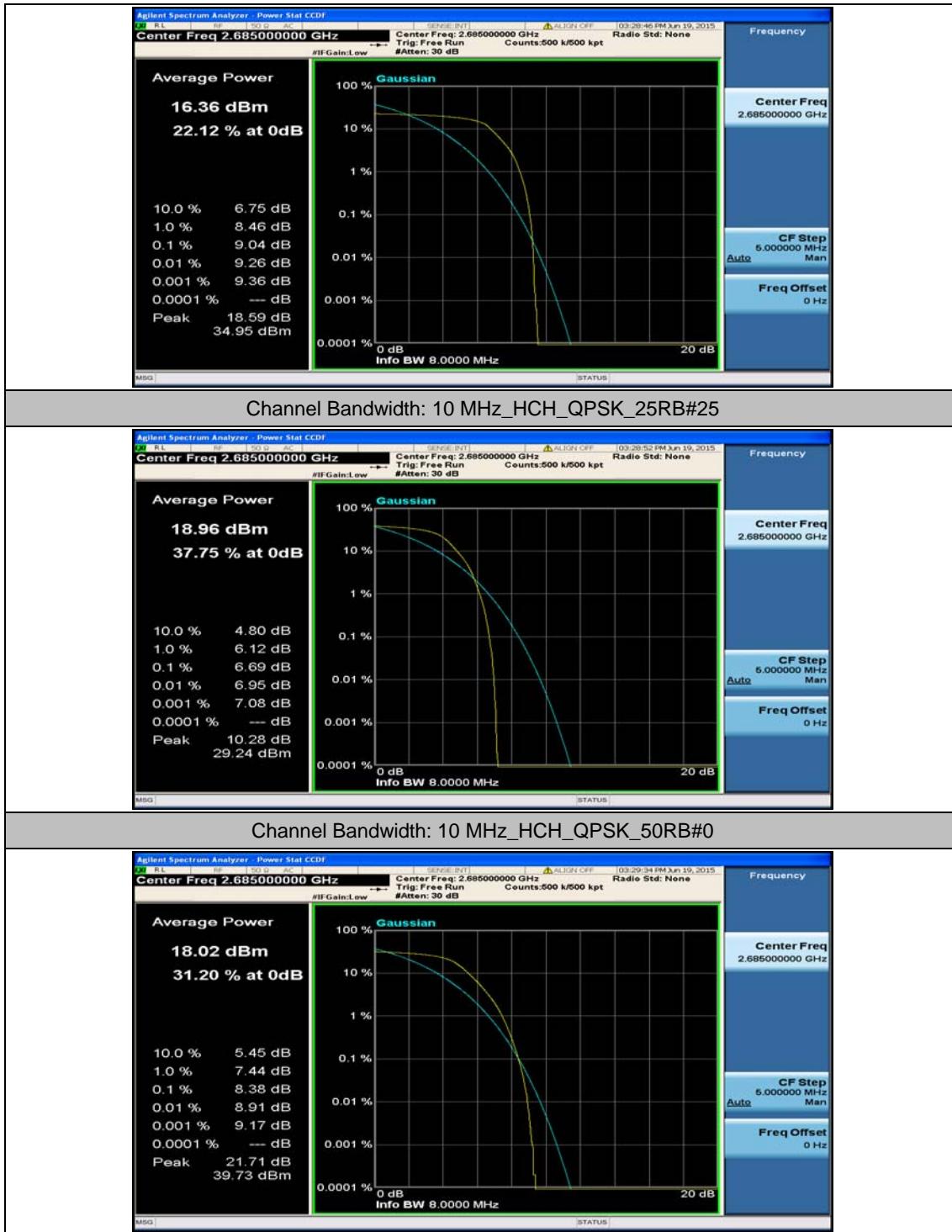


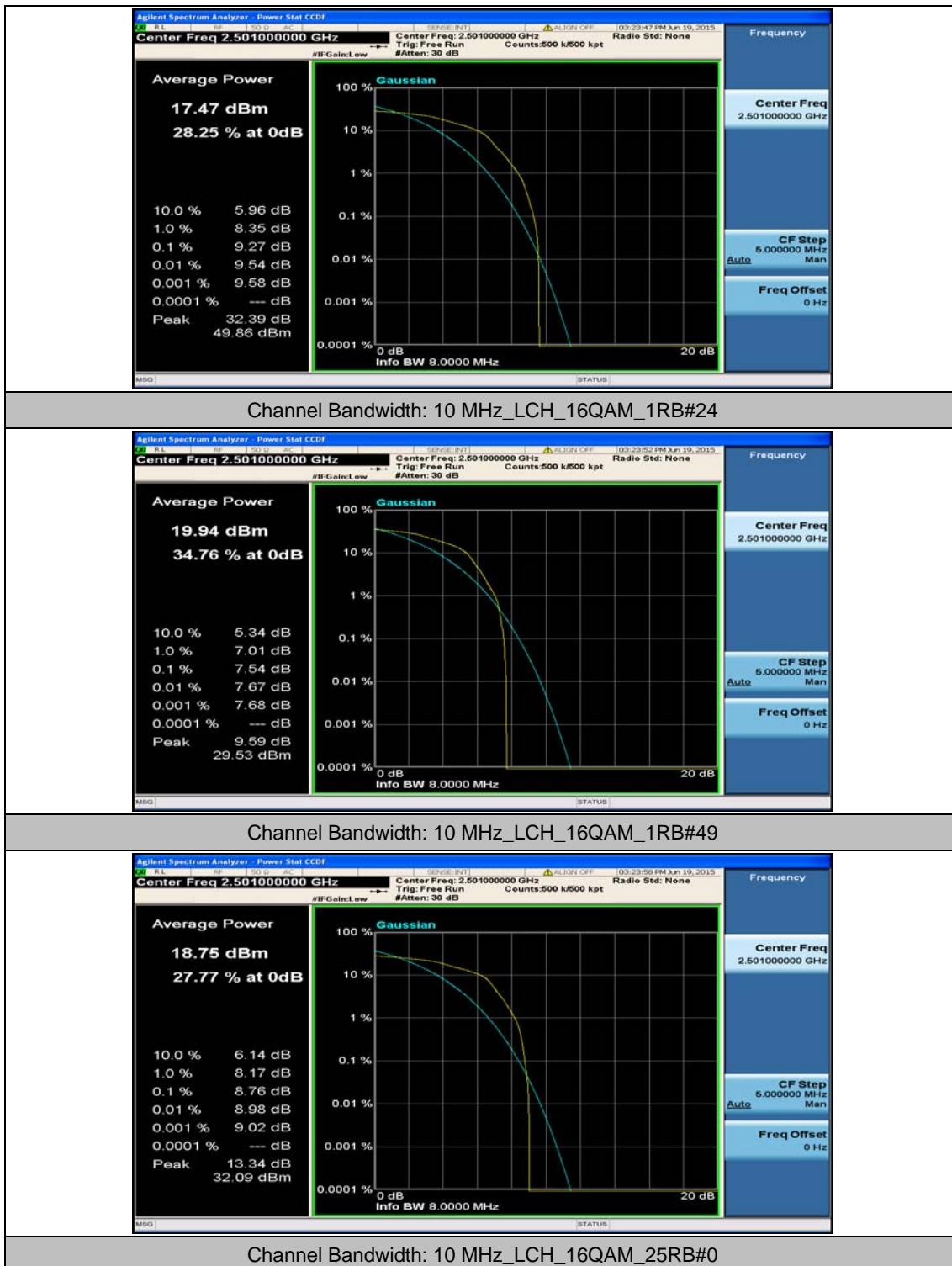
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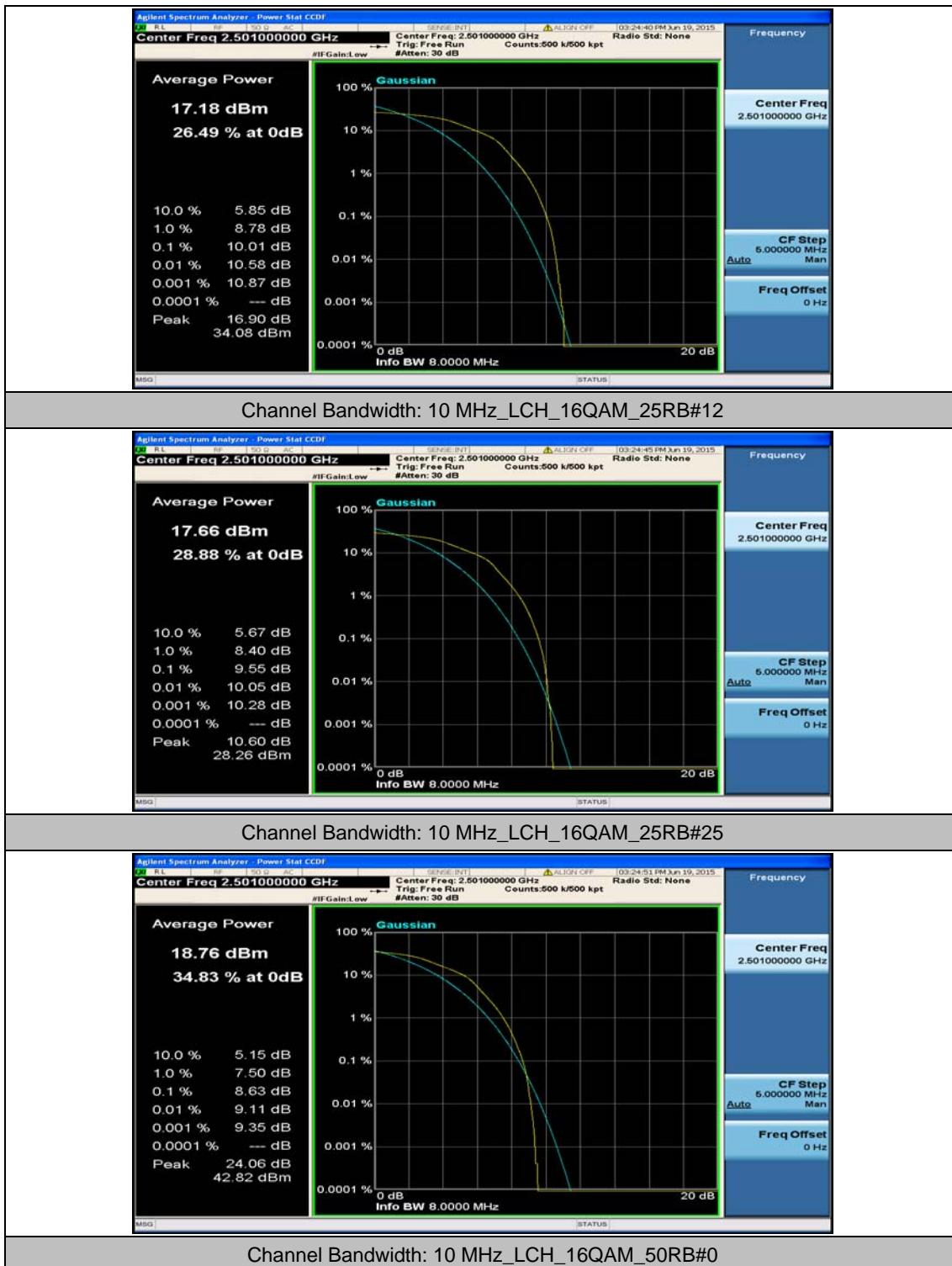


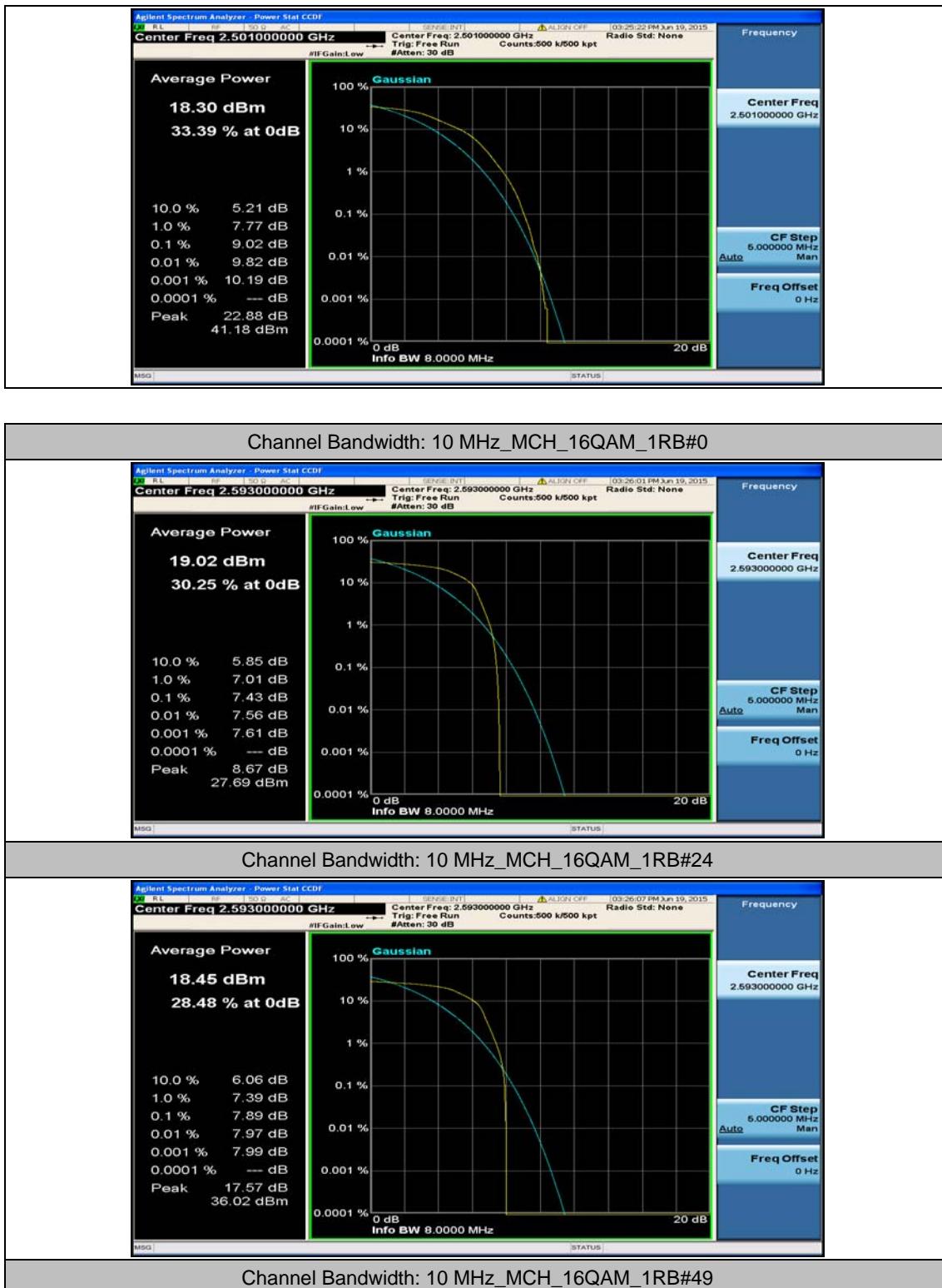


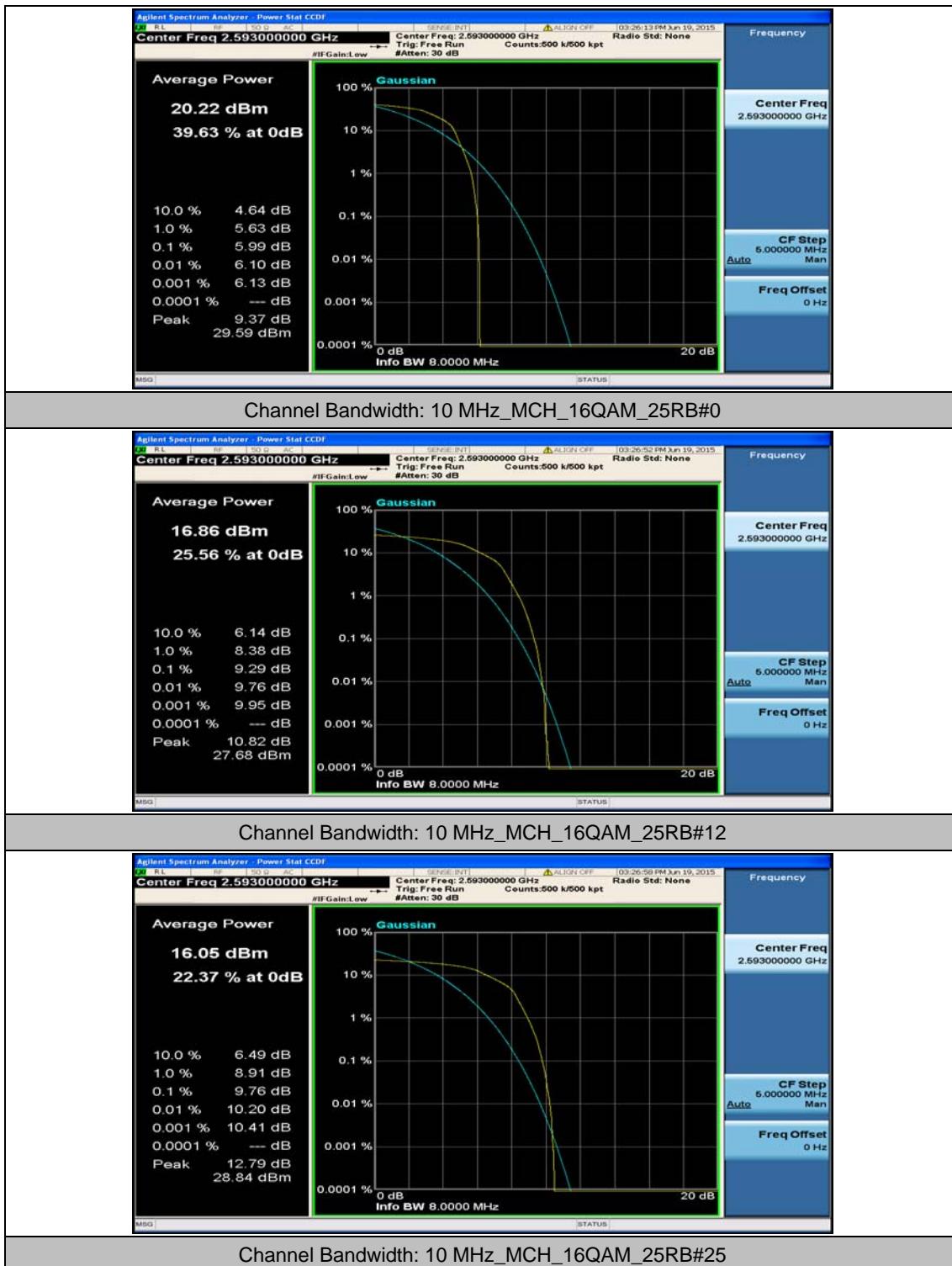


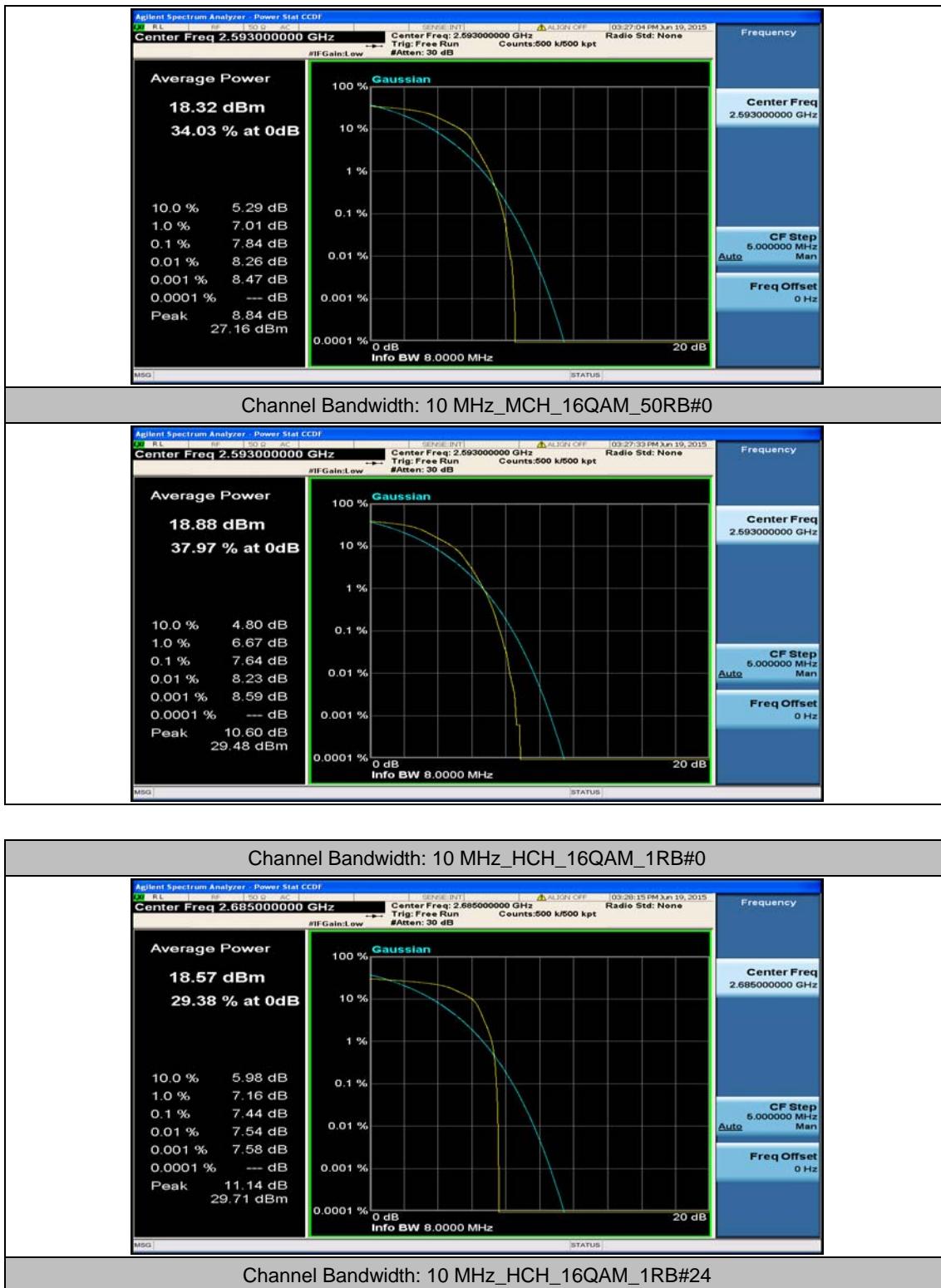


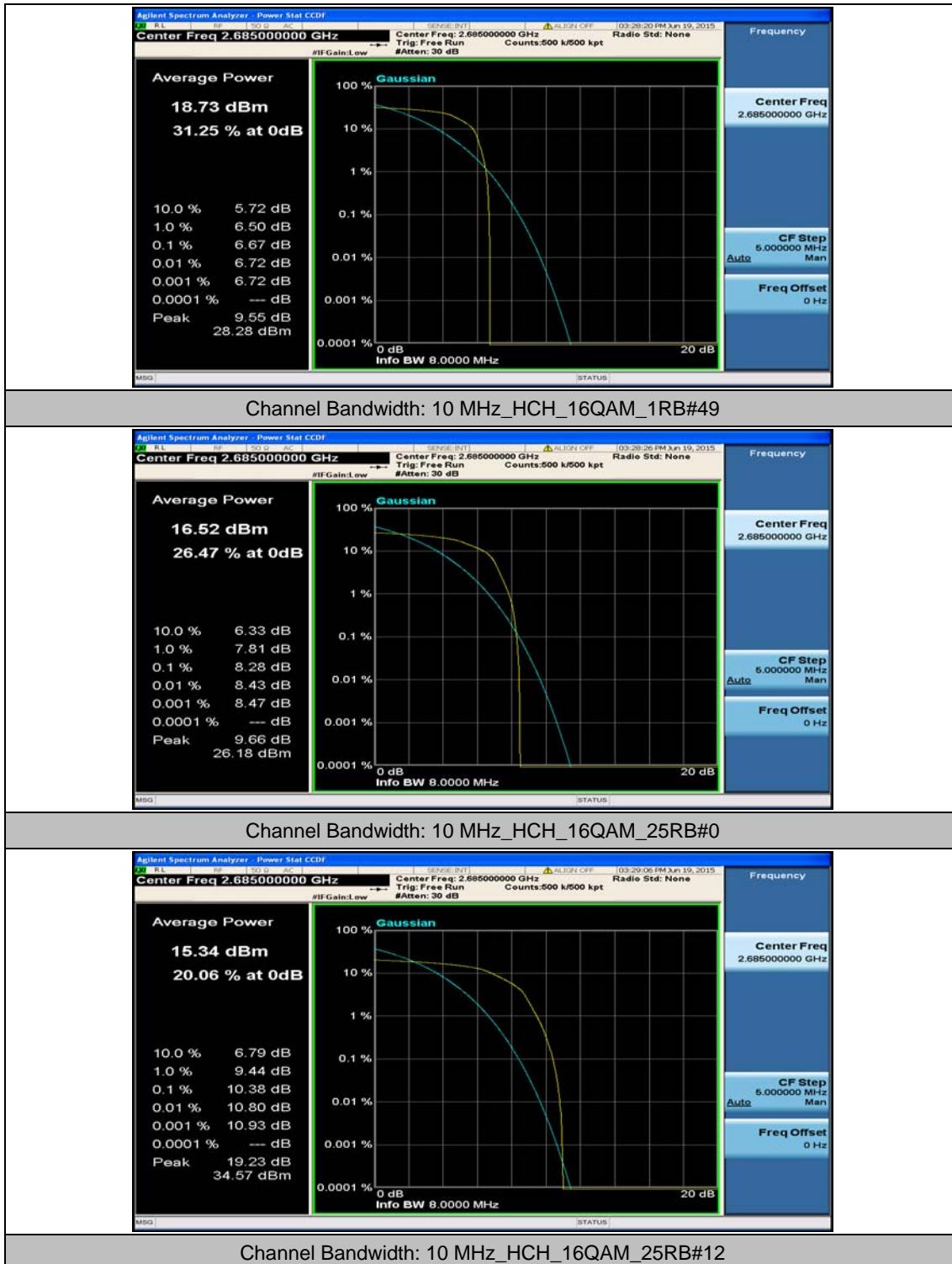


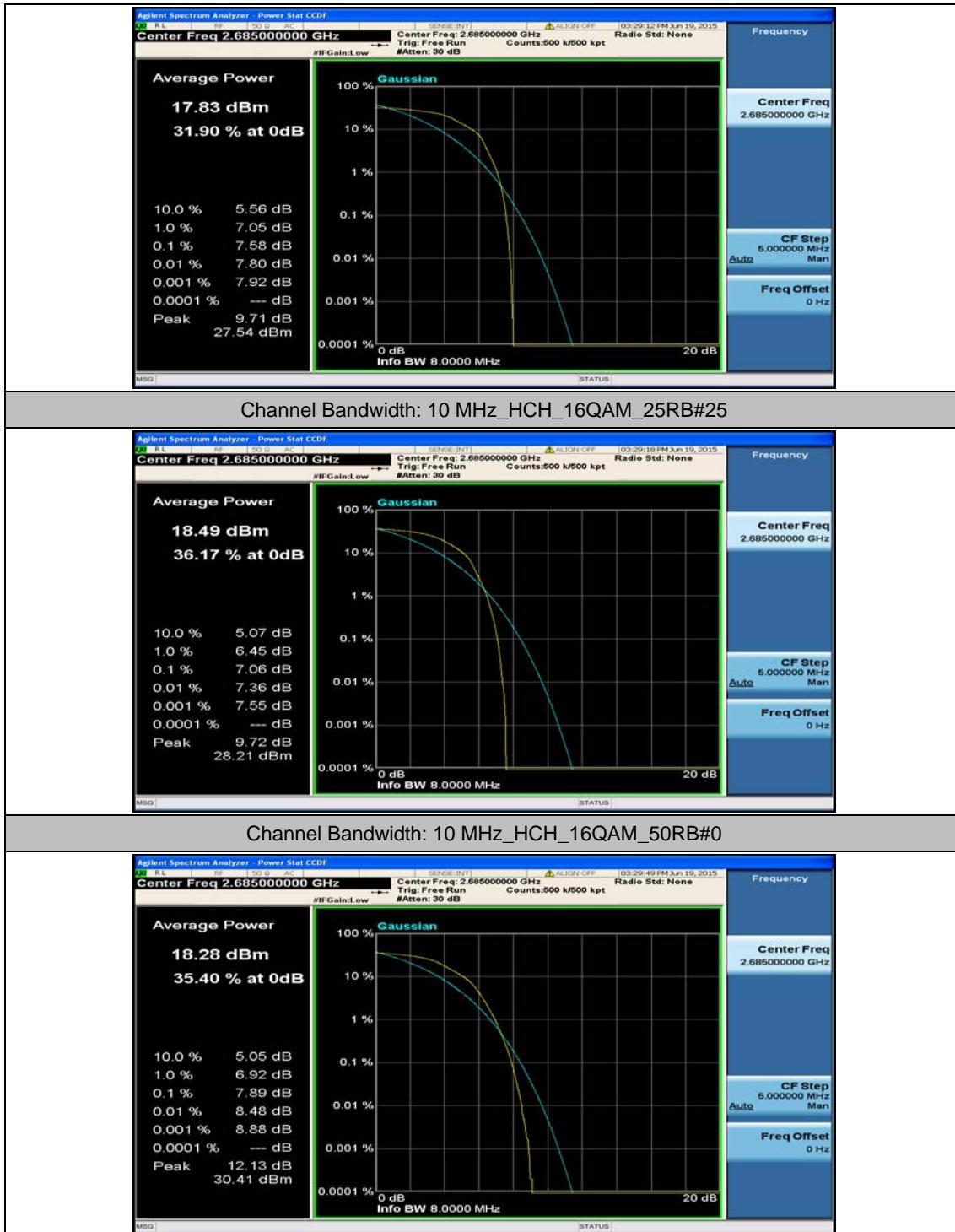






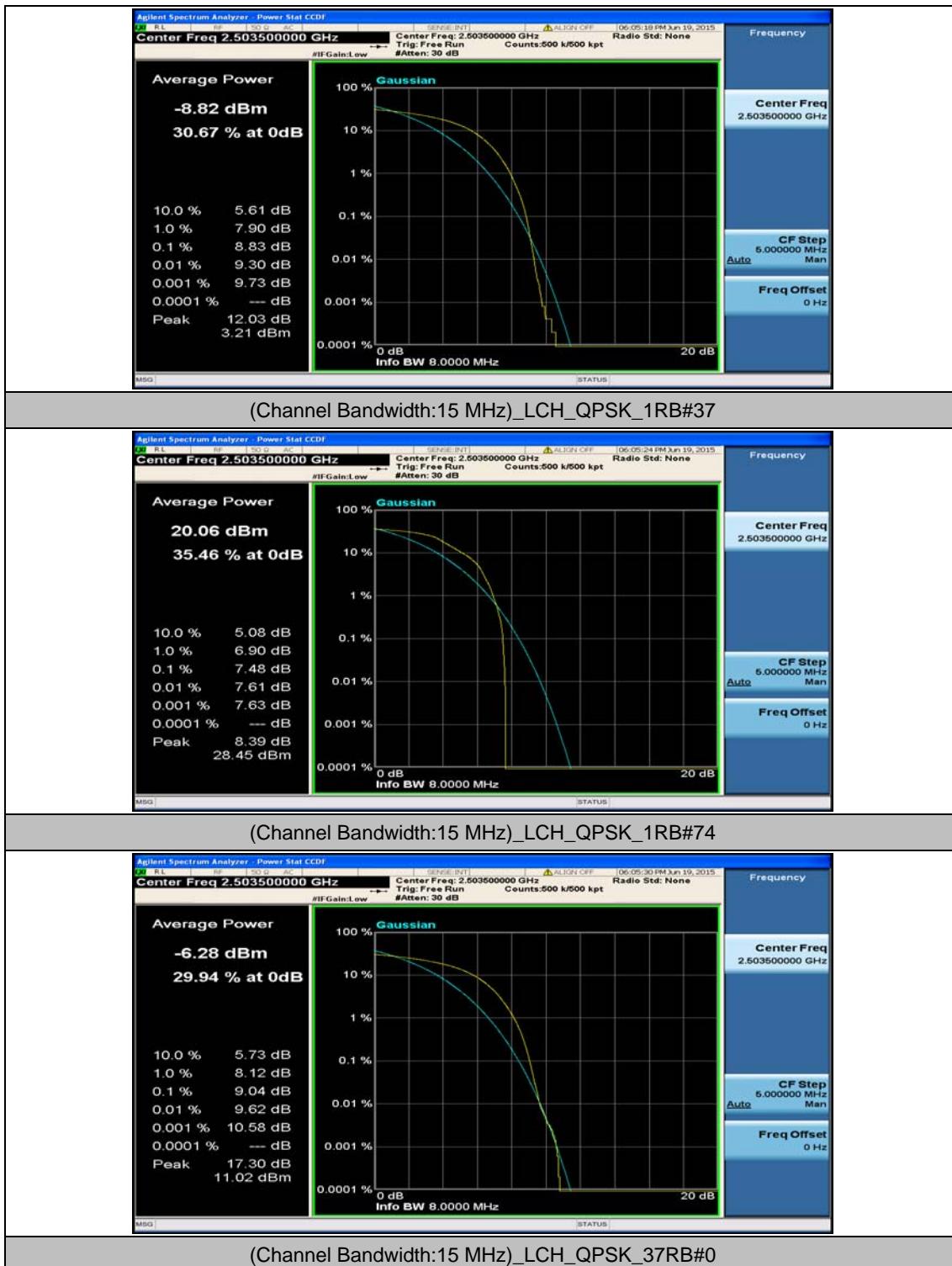


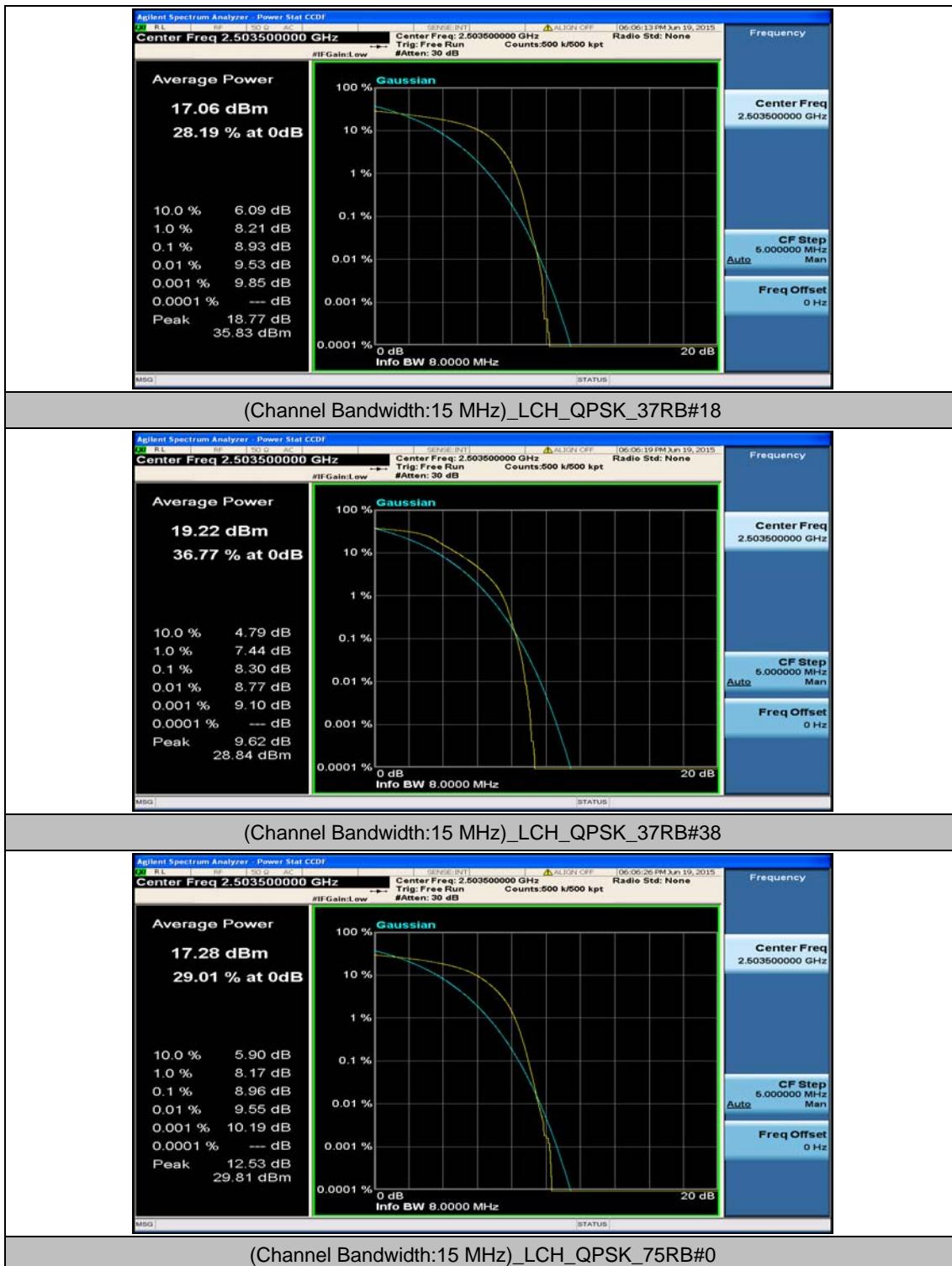


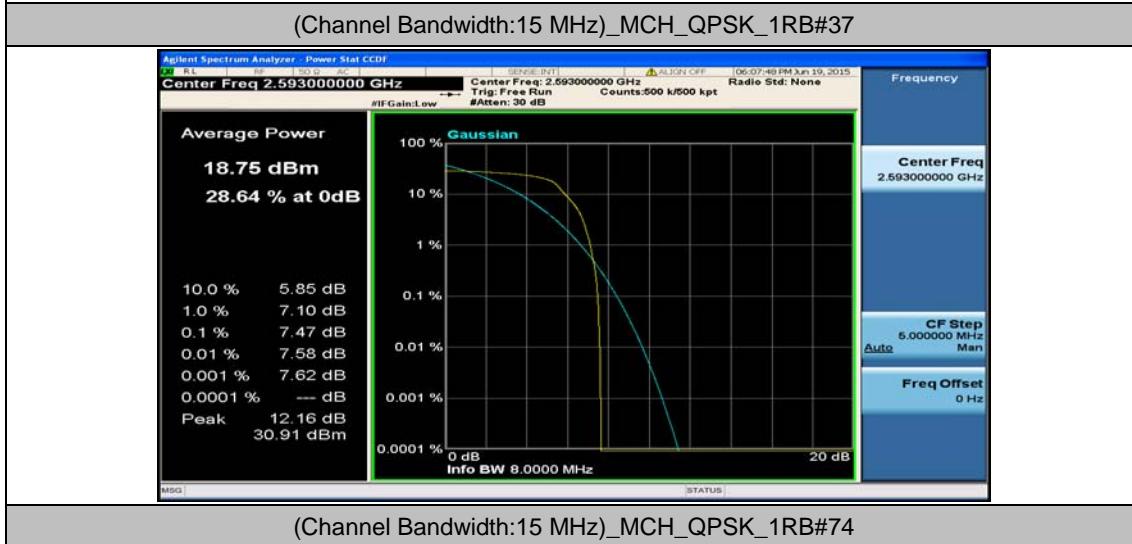
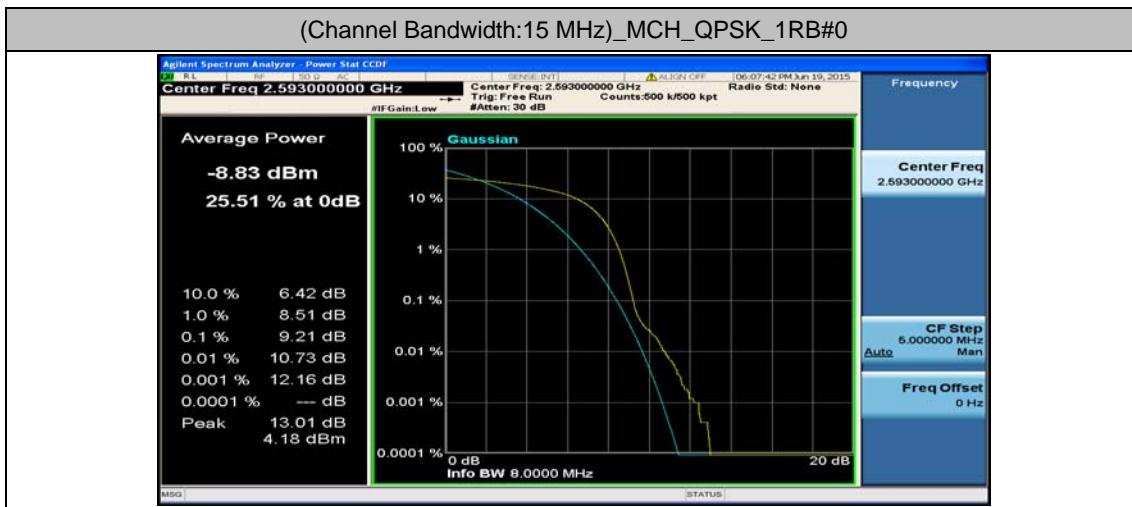
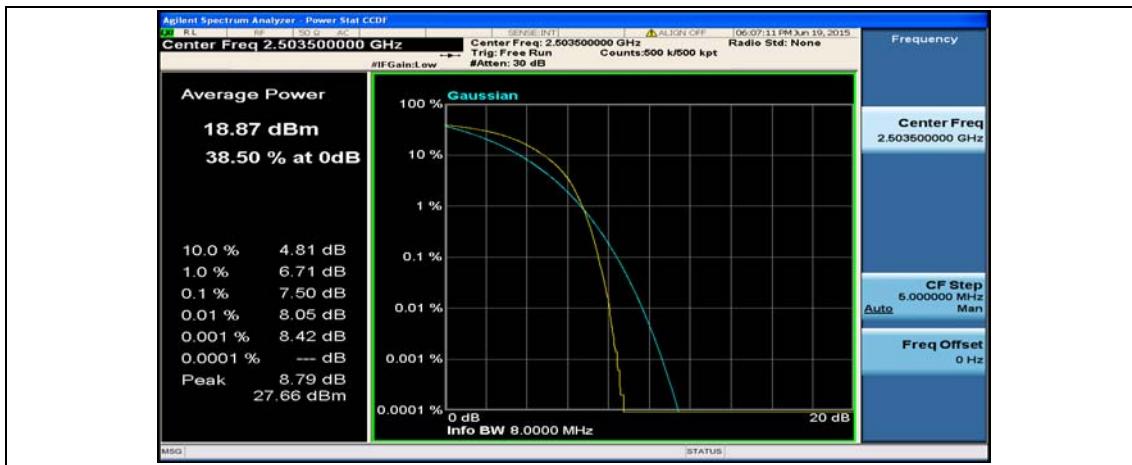


Channel Bandwidth: 15 MHz

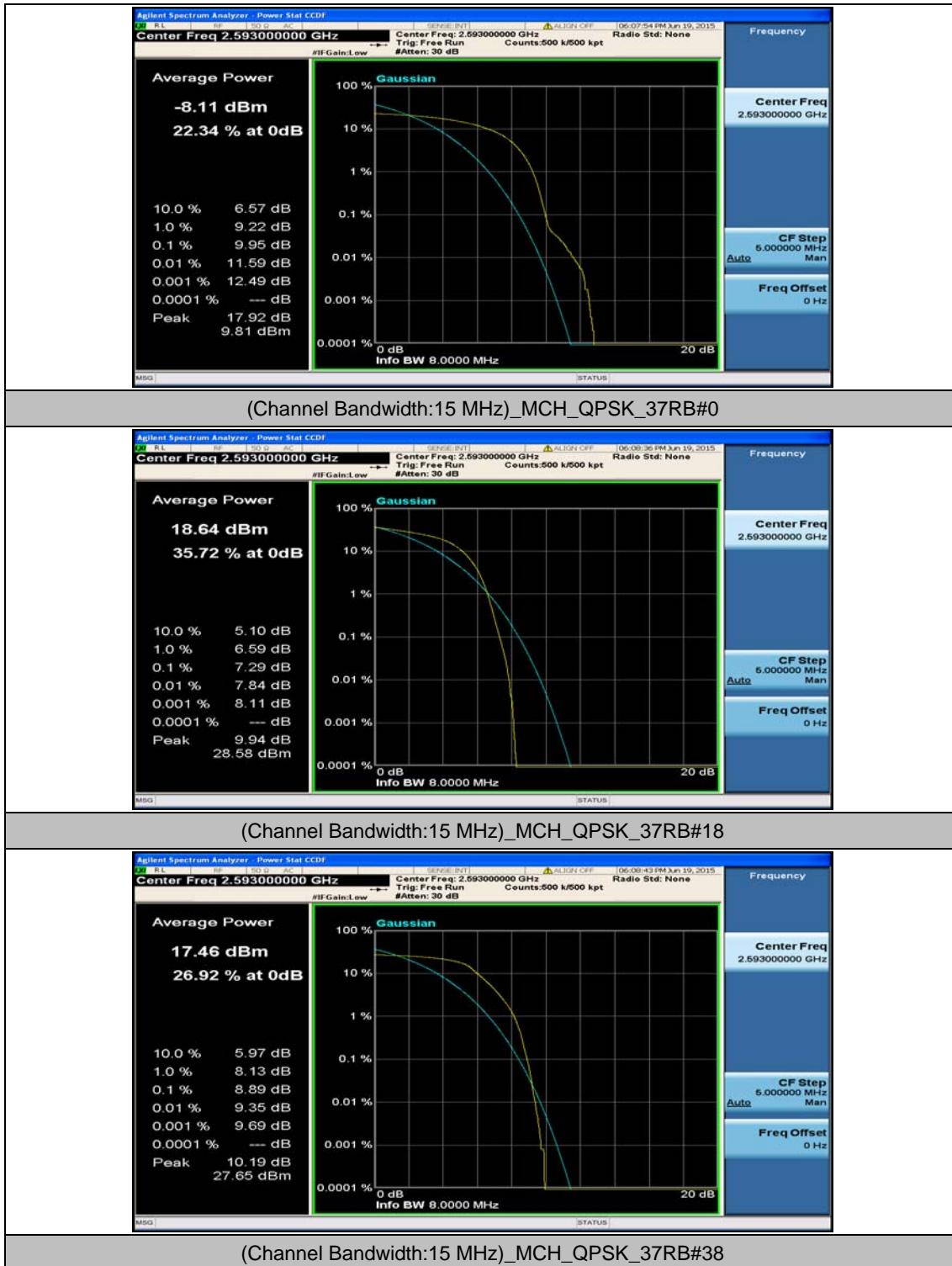
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

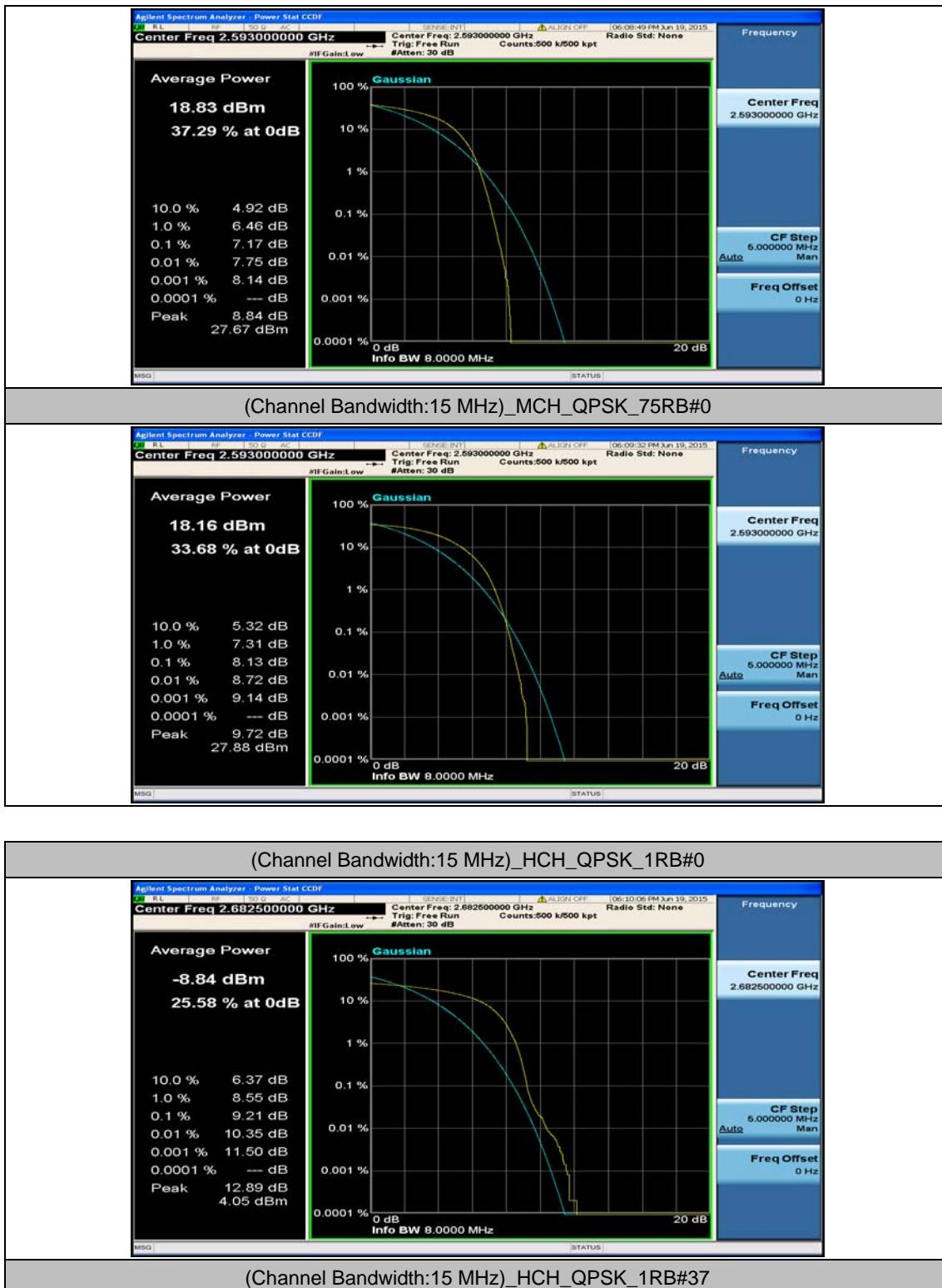


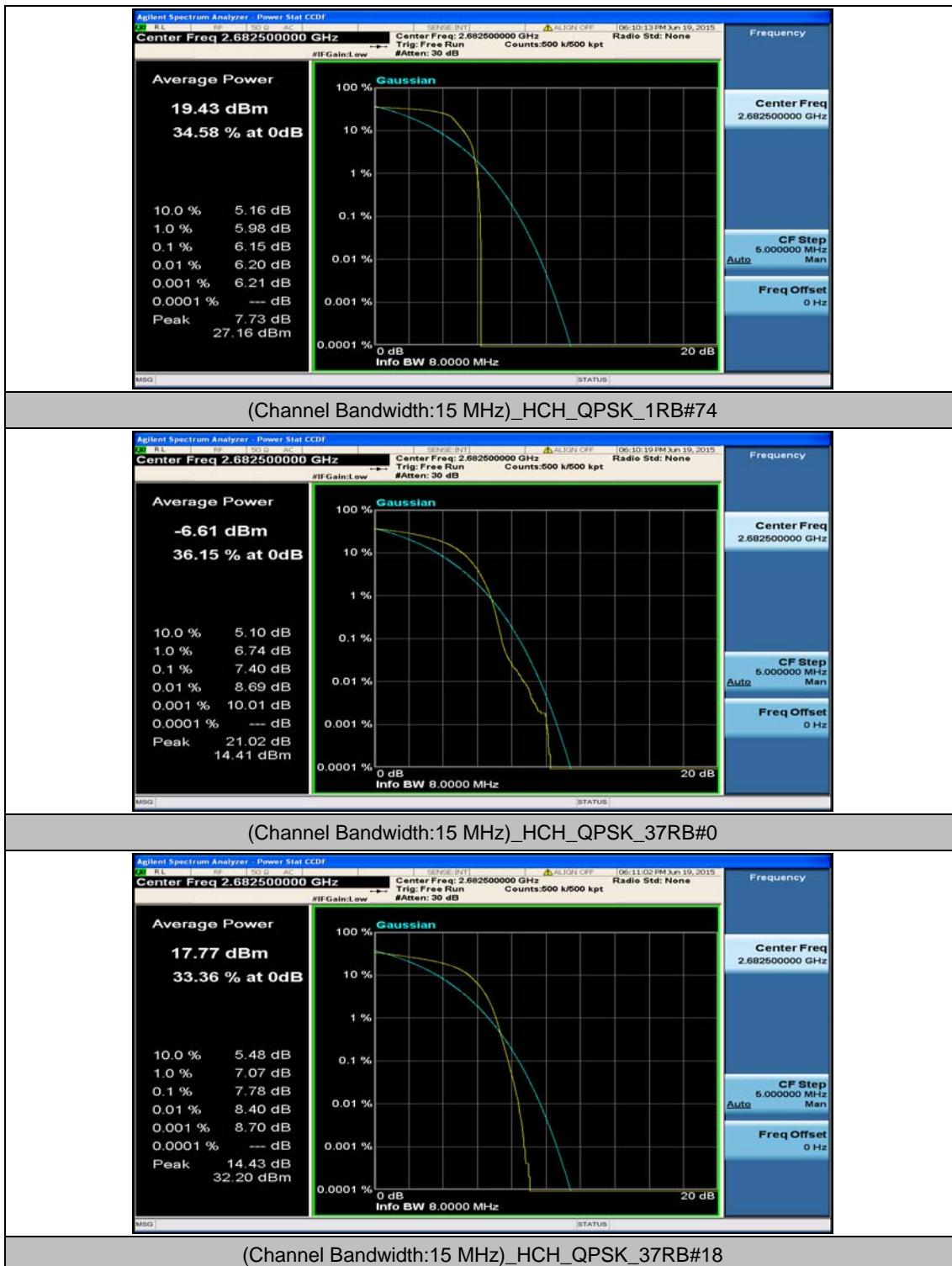


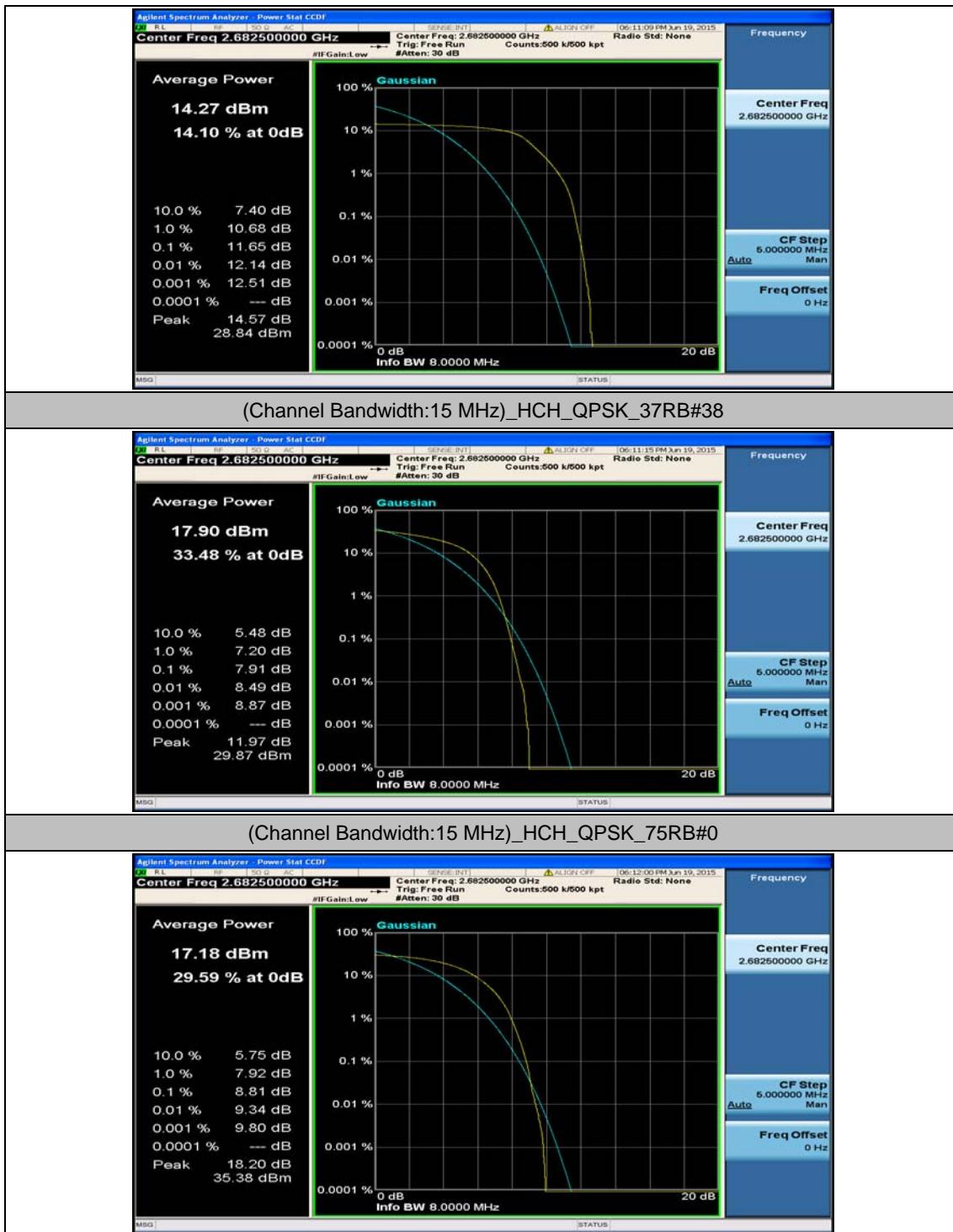


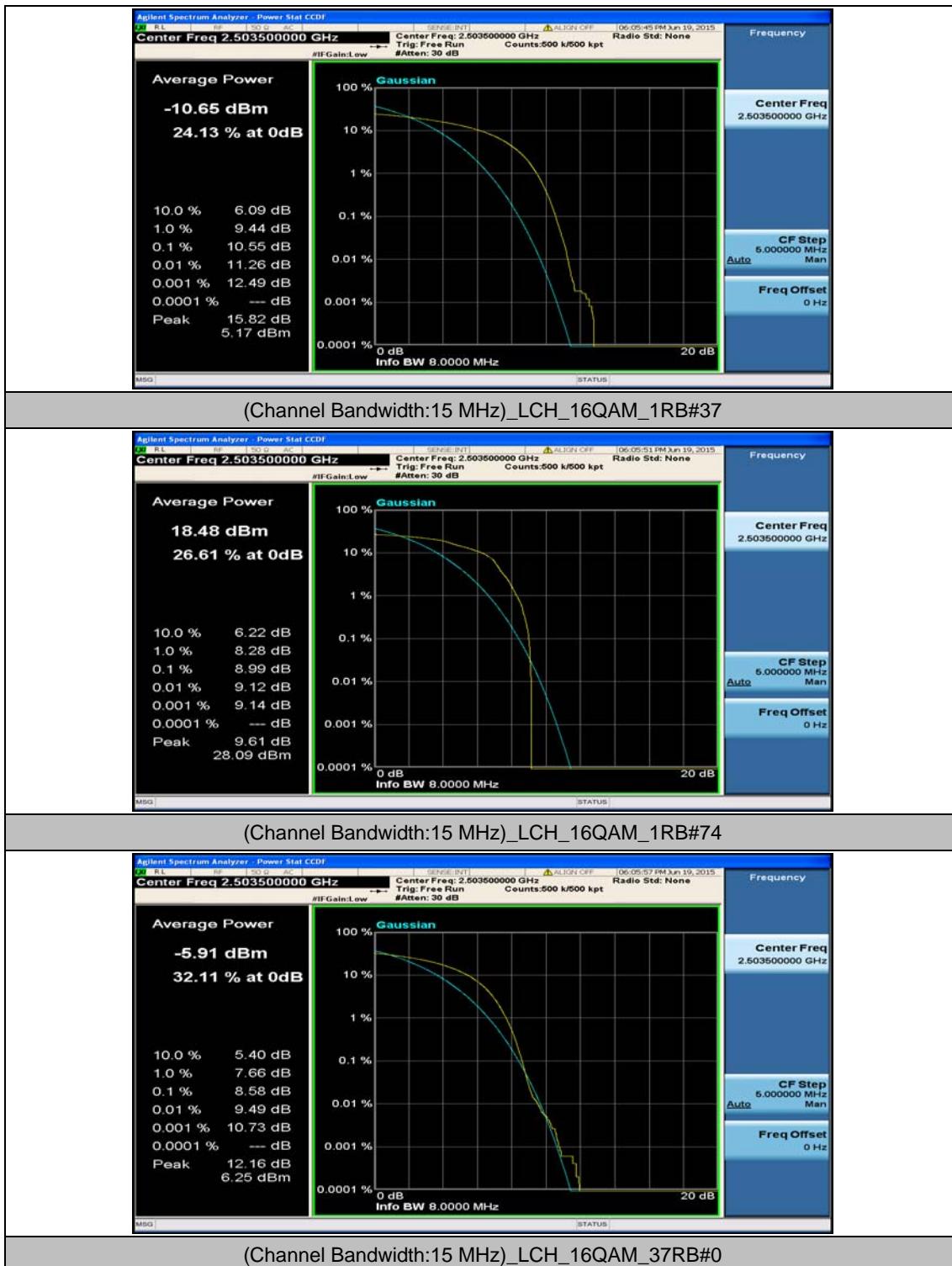
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

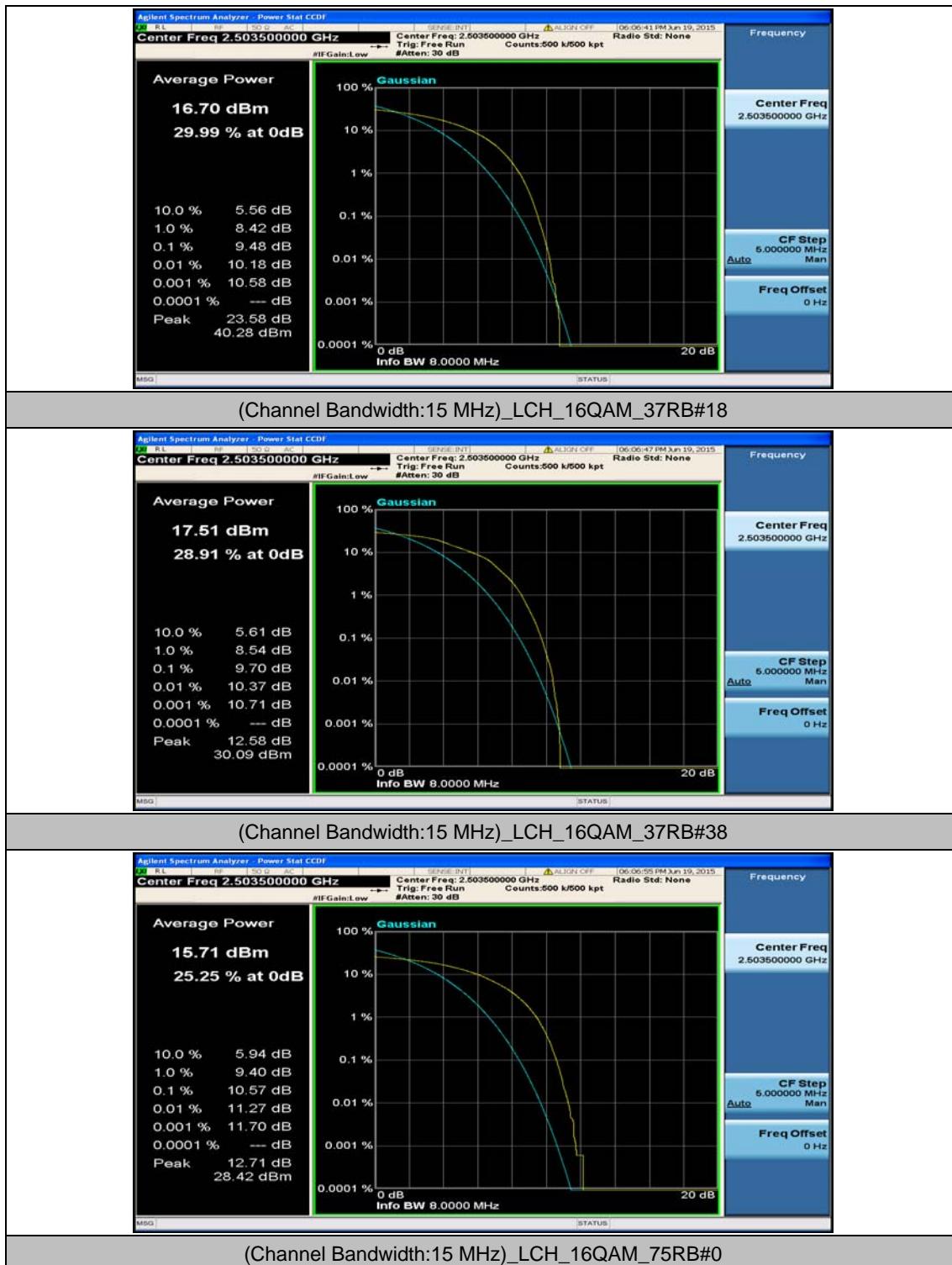


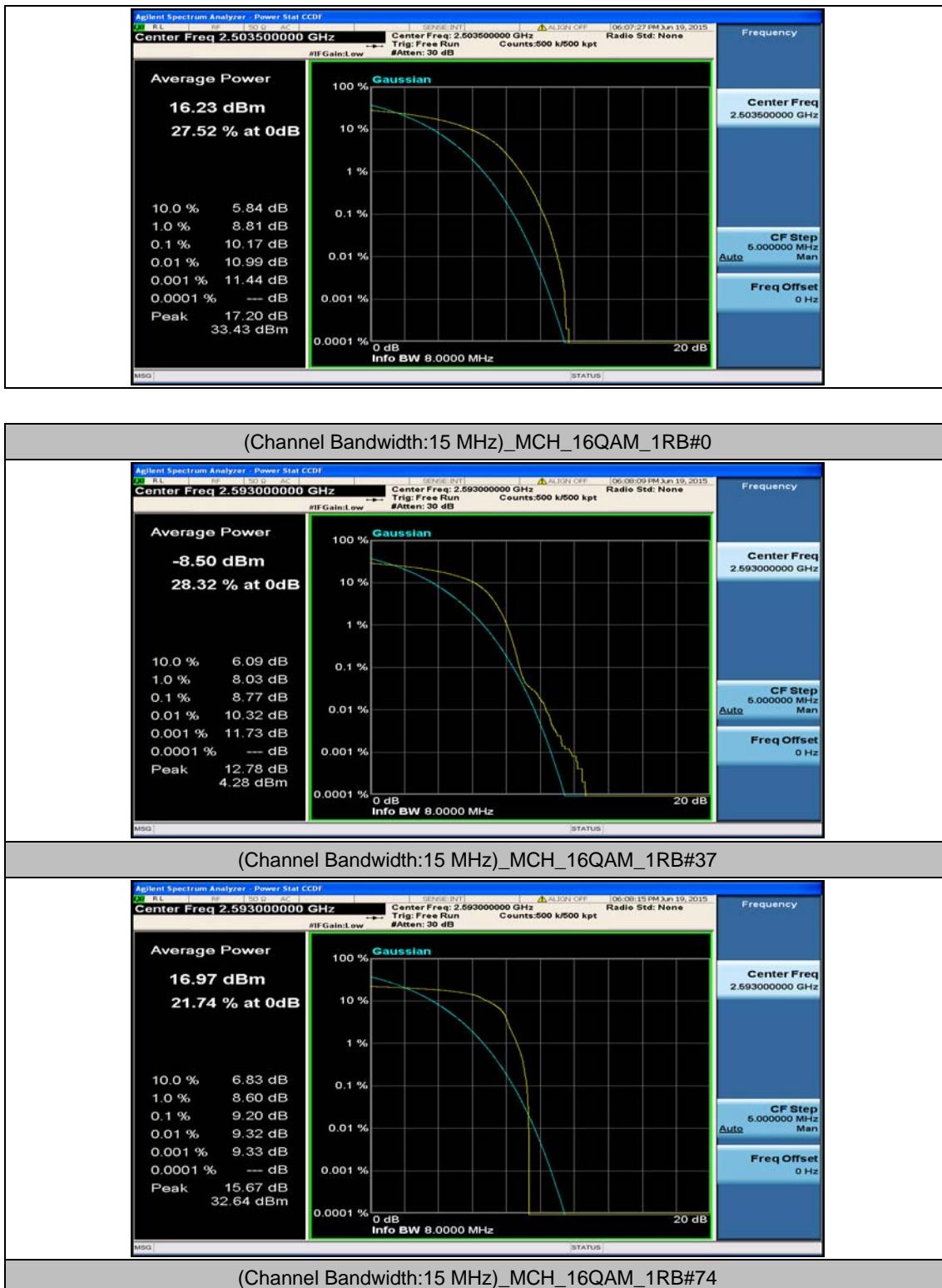


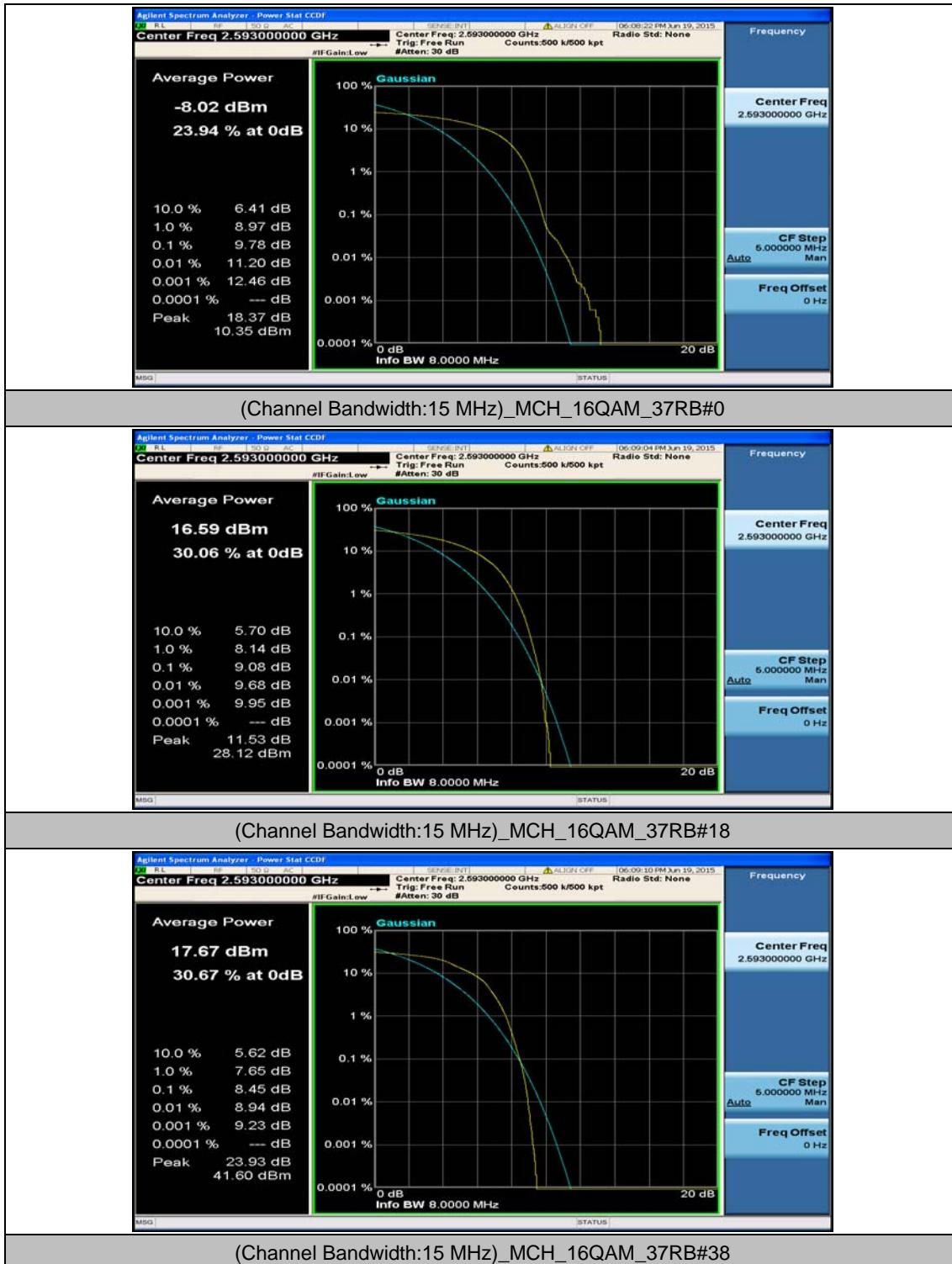


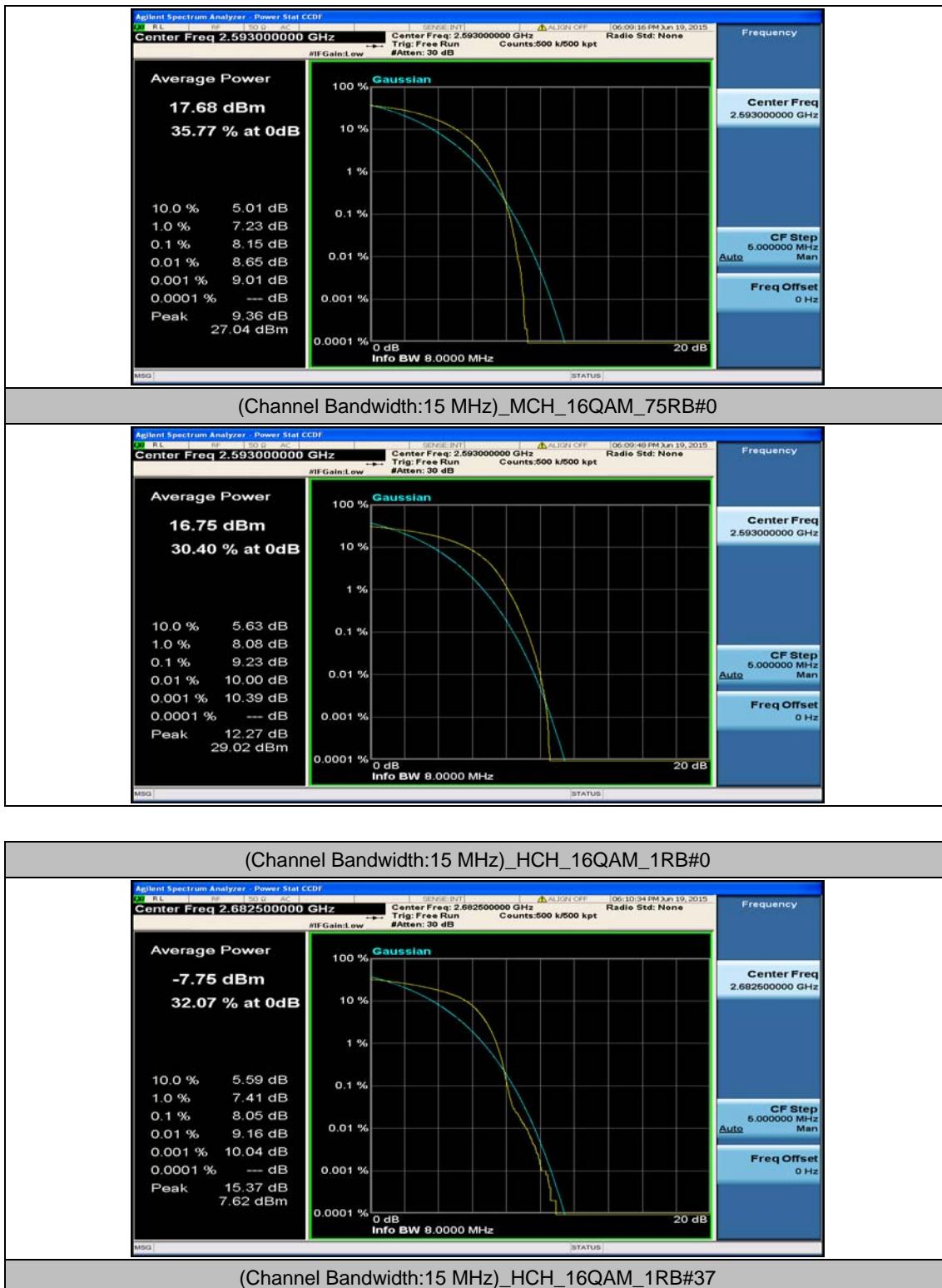


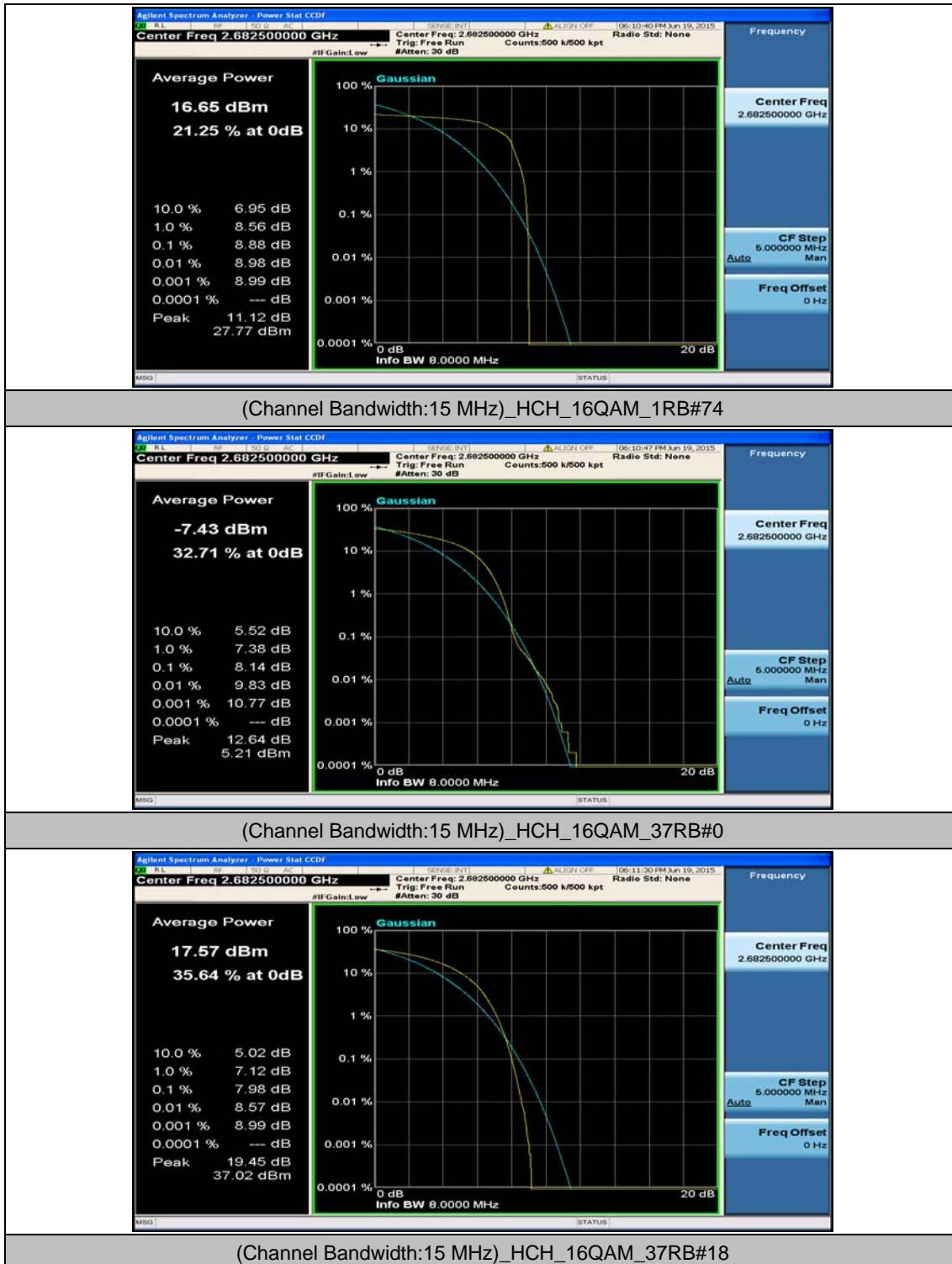


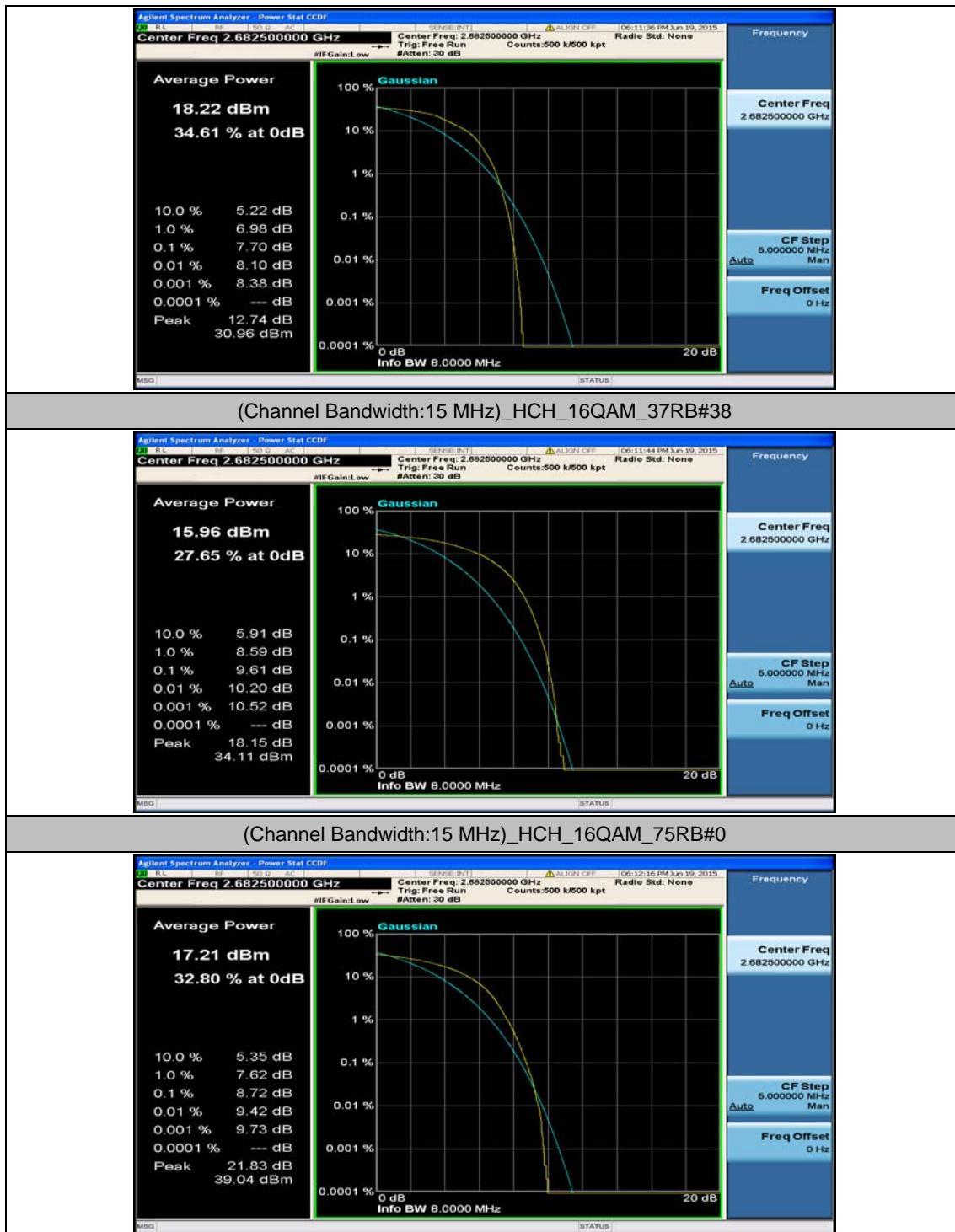




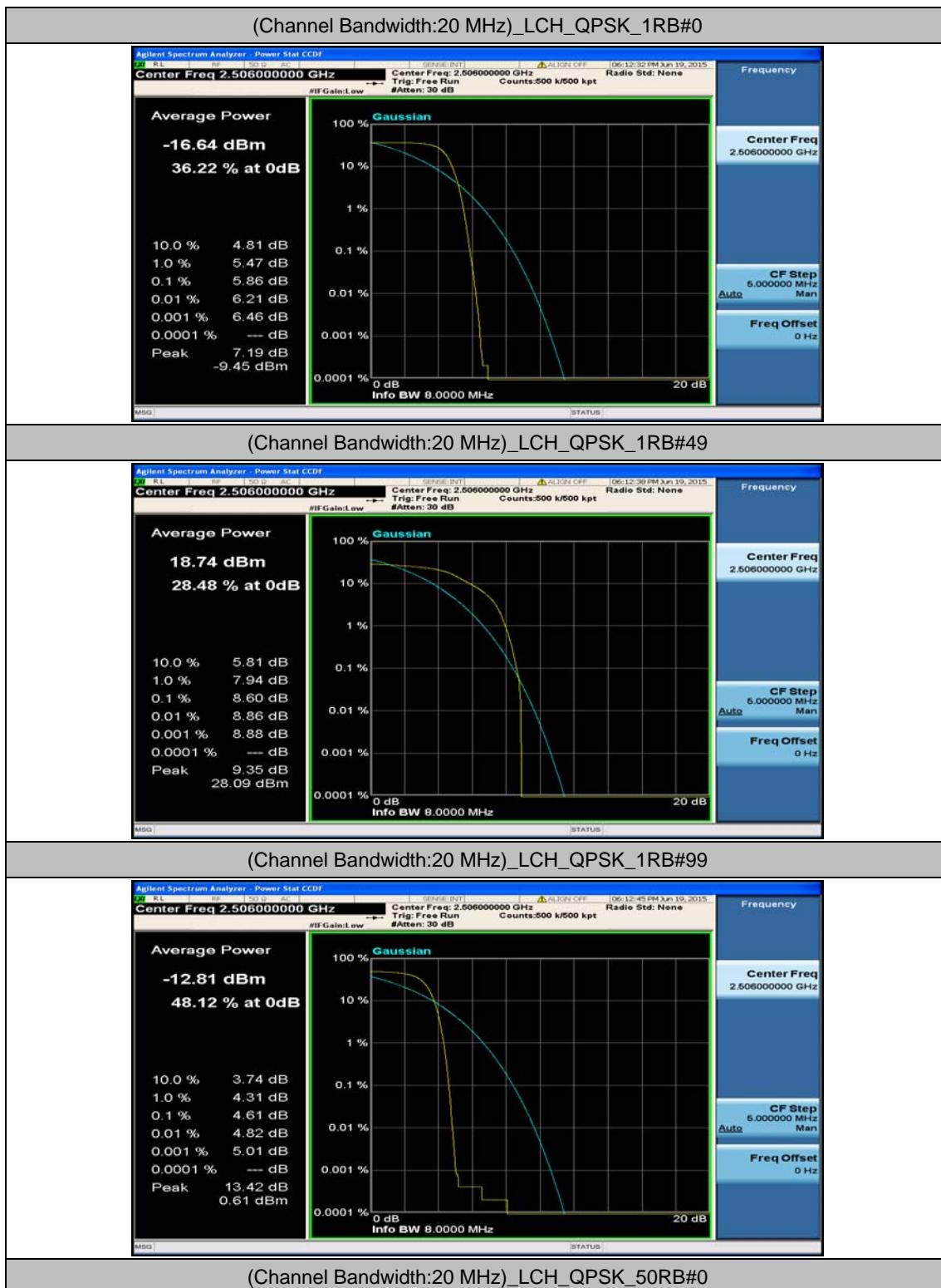


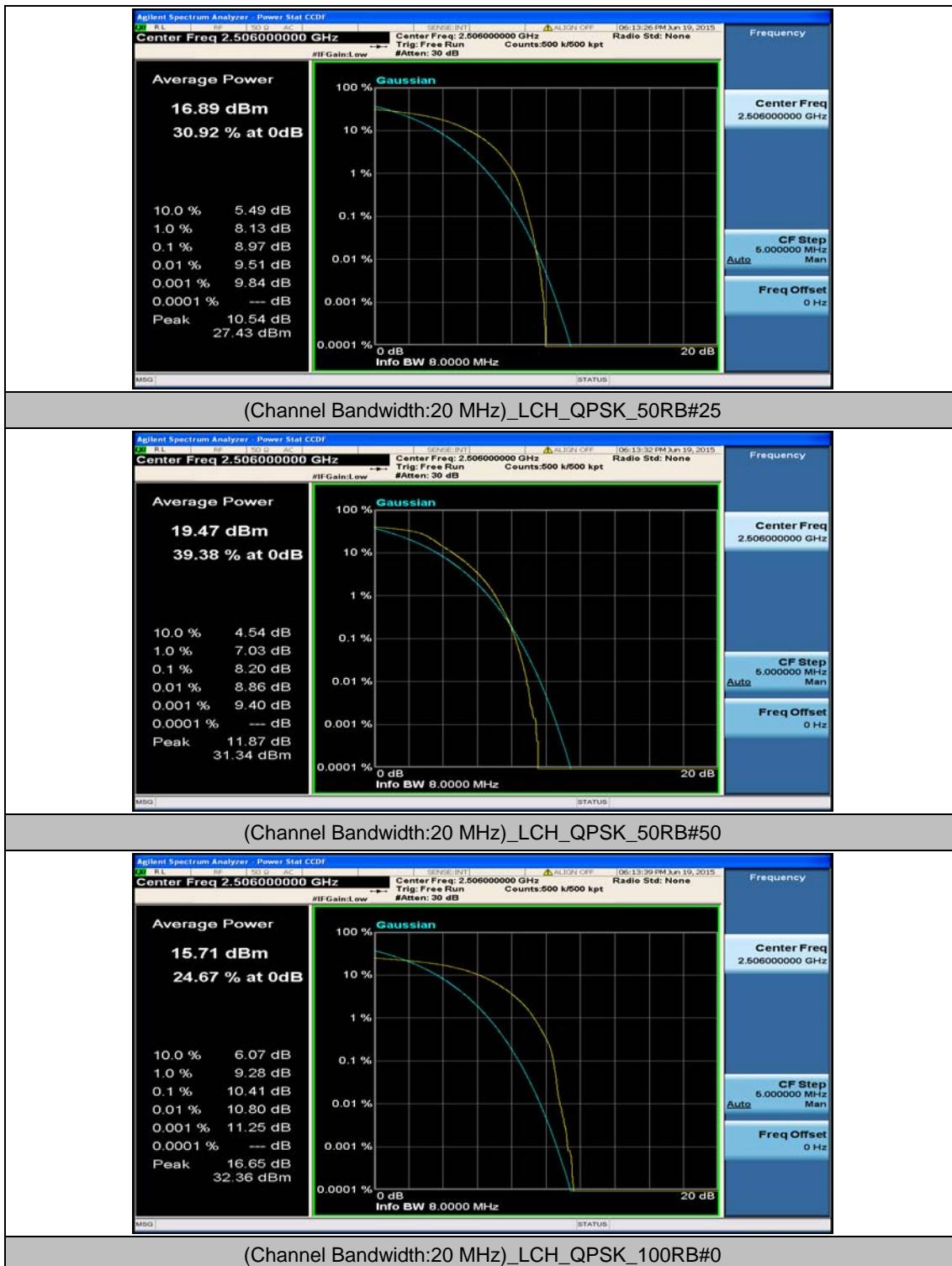


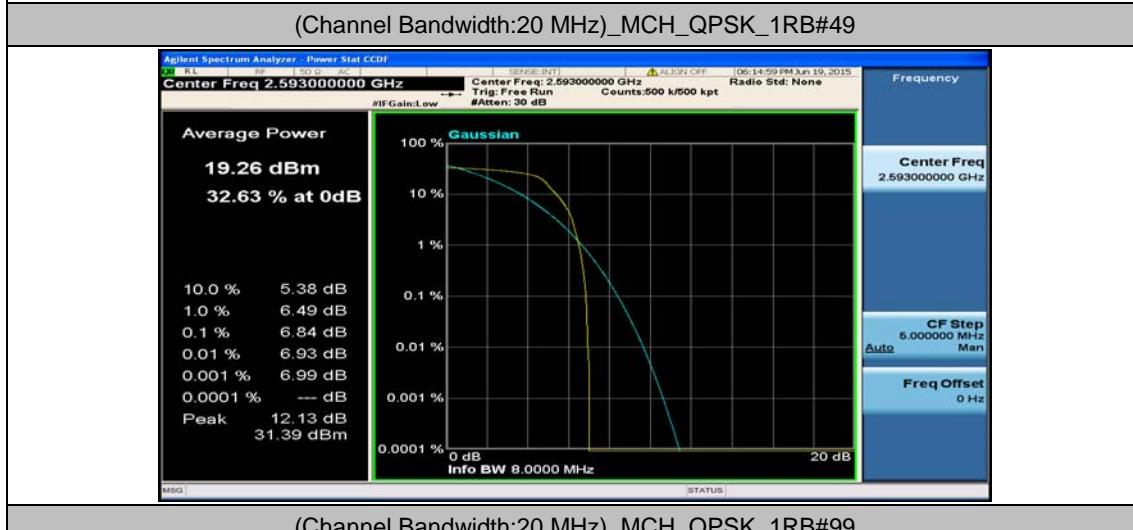
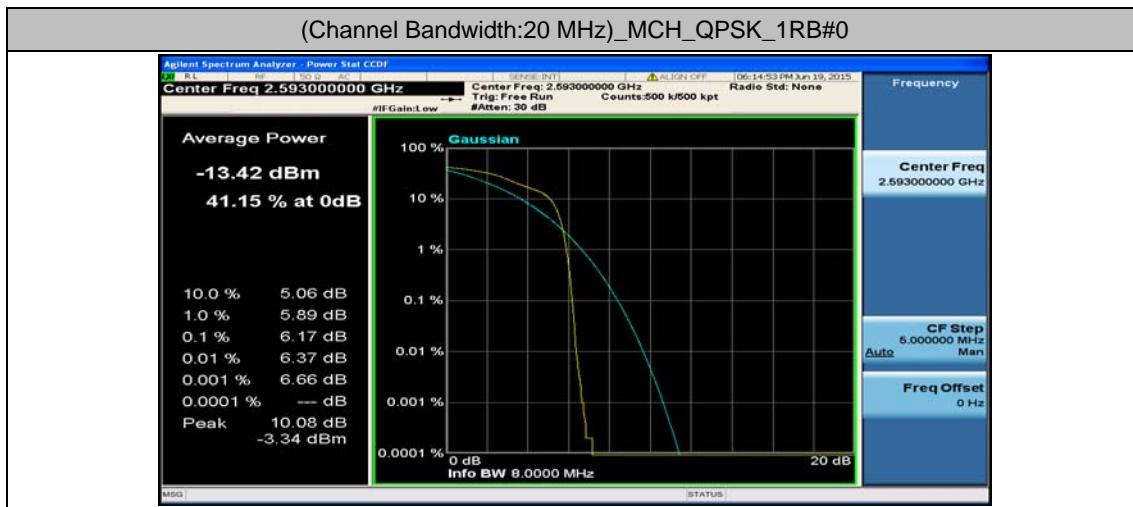
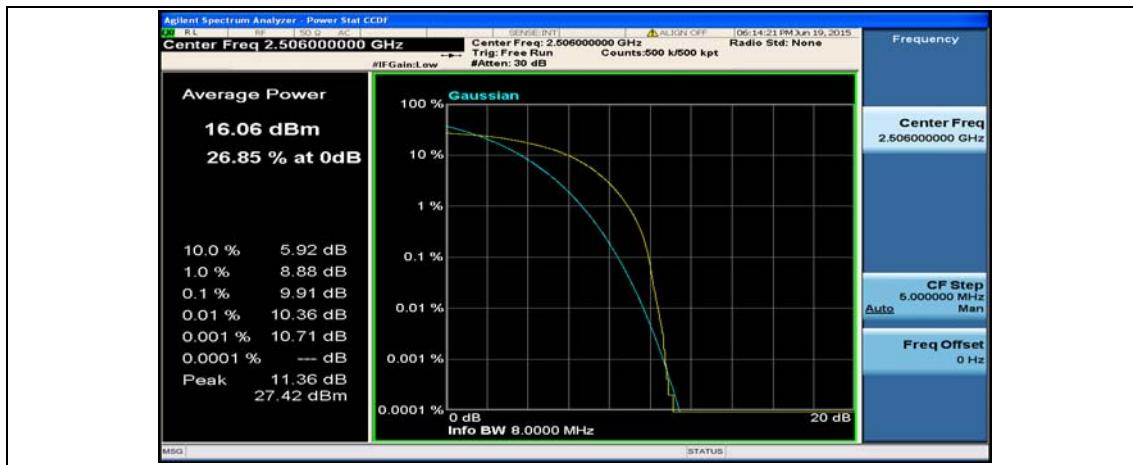




Channel Bandwidth: 20 MHz







(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99