

Appendix for Band 25

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	23.61	PASS
		1	3	23.53	PASS
		1	5	23.57	PASS
		3	0	23.71	PASS
		3	2	23.56	PASS
		3	3	23.55	PASS
		6	0	23.49	PASS
	MCH	1	0	23.56	PASS
		1	3	23.60	PASS
		1	5	23.61	PASS
		3	0	23.48	PASS
		3	2	23.65	PASS
		3	3	23.57	PASS
		6	0	22.70	PASS
	HCH	1	0	23.75	PASS
		1	3	23.71	PASS
		1	5	23.68	PASS
		3	0	23.71	PASS
		3	2	23.73	PASS
		3	3	23.68	PASS
		6	0	22.74	PASS
16QAM	LCH	1	0	22.55	PASS
		1	3	22.49	PASS
		1	5	22.43	PASS
		3	0	22.45	PASS
		3	2	22.37	PASS
		3	3	22.41	PASS
		6	0	22.38	PASS
	MCH	1	0	22.63	PASS
		1	3	22.60	PASS
		1	5	22.68	PASS
		3	0	22.63	PASS

		3	2	22.65	PASS
		3	3	22.68	PASS
		6	0	21.55	PASS
HCH	HCH	1	0	22.74	PASS
		1	3	22.79	PASS
		1	5	22.74	PASS
		3	0	22.85	PASS
		3	2	22.69	PASS
		3	3	22.69	PASS
		6	0	21.64	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.72	PASS
		1	7	23.75	PASS
		1	14	23.74	PASS
		8	0	23.73	PASS
		8	4	23.71	PASS
		8	7	23.72	PASS
		15	0	23.70	PASS
	MCH	1	0	23.45	PASS
		1	7	23.63	PASS
		1	14	23.52	PASS
		8	0	22.57	PASS
		8	4	22.62	PASS
		8	7	22.63	PASS
		15	0	22.64	PASS
	HCH	1	0	23.69	PASS
		1	7	23.69	PASS
		1	14	23.61	PASS
		8	0	22.69	PASS
		8	4	22.73	PASS
		8	7	22.76	PASS
		15	0	22.79	PASS
16QAM	LCH	1	0	22.54	PASS
		1	7	22.53	PASS
		1	14	22.50	PASS
		8	0	21.52	PASS
		8	4	21.62	PASS
		8	7	21.68	PASS
		15	0	21.64	PASS

		1	0	22.50	PASS
		1	7	22.58	PASS
		1	14	22.52	PASS
		8	0	21.55	PASS
		8	4	21.72	PASS
		8	7	21.62	PASS
		15	0	21.62	PASS
		1	0	22.68	PASS
		1	7	22.69	PASS
		1	14	22.60	PASS
		8	0	21.76	PASS
		8	4	21.80	PASS
		8	7	21.80	PASS
		15	0	21.75	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.63	PASS
		1	12	23.61	PASS
		1	24	23.52	PASS
		12	0	22.68	PASS
		12	6	22.68	PASS
		12	13	22.68	PASS
		25	0	21.76	PASS
	MCH	1	0	23.52	PASS
		1	12	23.65	PASS
		1	24	23.64	PASS
		12	0	22.56	PASS
		12	6	22.73	PASS
		12	13	22.68	PASS
		25	0	22.53	PASS
	HCH	1	0	23.72	PASS
		1	12	23.67	PASS
		1	24	23.69	PASS
		12	0	22.75	PASS
		12	6	22.72	PASS
		12	13	22.76	PASS
		25	0	22.63	PASS
16QAM	LCH	1	0	22.63	PASS
		1	12	22.63	PASS
		1	24	22.55	PASS

		12	0	21.75	PASS
		12	6	21.75	PASS
		12	13	21.76	PASS
		25	0	21.76	PASS
MCH		1	0	22.51	PASS
		1	12	22.71	PASS
		1	24	22.55	PASS
		12	0	21.66	PASS
		12	6	21.76	PASS
		12	13	21.74	PASS
		25	0	21.54	PASS
HCH		1	0	22.72	PASS
		1	12	22.82	PASS
		1	24	22.74	PASS
		12	0	21.79	PASS
		12	6	21.77	PASS
		12	13	21.90	PASS
		25	0	21.64	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.68	PASS
		1	24	23.58	PASS
		1	49	23.60	PASS
		25	0	22.54	PASS
		25	12	22.54	PASS
		25	25	22.53	PASS
		50	0	21.58	PASS
	MCH	1	0	23.64	PASS
		1	24	23.52	PASS
		1	49	23.59	PASS
		25	0	22.52	PASS
		25	12	22.63	PASS
		25	25	22.55	PASS
		50	0	22.42	PASS
	HCH	1	0	23.60	PASS
		1	24	23.61	PASS
		1	49	23.60	PASS
		25	0	22.65	PASS
		25	12	22.63	PASS
		25	25	22.55	PASS

		50	0	22.49	PASS
16QAM	LCH	1	0	22.67	PASS
		1	24	22.55	PASS
		1	49	22.60	PASS
		25	0	21.56	PASS
		25	12	21.57	PASS
		25	25	21.58	PASS
		50	0	21.58	PASS
	MCH	1	0	22.65	PASS
		1	24	22.54	PASS
		1	49	22.55	PASS
		25	0	21.52	PASS
		25	12	21.55	PASS
		25	25	21.50	PASS
		50	0	21.43	PASS
		1	0	22.57	PASS
	HCH	1	24	22.52	PASS
		1	49	22.56	PASS
		25	0	21.64	PASS
		25	12	21.57	PASS
		25	25	21.57	PASS
		50	0	21.49	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.56	PASS
		1	37	23.66	PASS
		1	74	23.69	PASS
		37	0	22.58	PASS
		37	18	22.58	PASS
		37	38	22.58	PASS
		75	0	21.58	PASS
	MCH	1	0	23.73	PASS
		1	37	23.86	PASS
		1	74	23.55	PASS
		37	0	22.56	PASS
		37	18	22.48	PASS
		37	38	22.37	PASS
		75	0	22.34	PASS
	HCH	1	0	23.56	PASS
		1	37	23.68	PASS

		1	74	23.70	PASS
		37	0	22.43	PASS
		37	18	22.57	PASS
		37	38	22.54	PASS
		75	0	22.53	PASS
16QAM	LCH	1	0	22.48	PASS
		1	37	22.59	PASS
		1	74	22.62	PASS
		37	0	21.56	PASS
		37	18	21.57	PASS
		37	38	21.56	PASS
		75	0	21.59	PASS
	MCH	1	0	22.62	PASS
		1	37	22.60	PASS
		1	74	22.44	PASS
		37	0	21.54	PASS
		37	18	21.46	PASS
		37	38	21.37	PASS
		75	0	21.34	PASS
	HCH	1	0	22.52	PASS
		1	37	22.63	PASS
		1	74	22.56	PASS
		37	0	21.43	PASS
		37	18	21.50	PASS
		37	38	21.56	PASS
		75	0	21.45	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.54	PASS
		1	49	23.63	PASS
		1	99	23.63	PASS
		50	0	22.44	PASS
		50	25	22.43	PASS
		50	50	22.43	PASS
		100	0	21.46	PASS
	MCH	1	0	23.81	PASS
		1	49	23.68	PASS
		1	99	23.64	PASS
		50	0	22.46	PASS
		50	25	22.47	PASS

		50	50	22.30	PASS
		100	0	22.40	PASS
16QAM	HCH	1	0	23.71	PASS
		1	49	23.77	PASS
		1	99	23.81	PASS
		50	0	22.43	PASS
		50	25	22.50	PASS
		50	50	22.44	PASS
		100	0	22.47	PASS
LCH	LCH	1	0	22.42	PASS
		1	49	22.58	PASS
		1	99	22.57	PASS
		50	0	21.35	PASS
		50	25	21.43	PASS
		50	50	21.45	PASS
		100	0	21.46	PASS
	MCH	1	0	22.57	PASS
		1	49	22.48	PASS
		1	99	22.42	PASS
		50	0	21.44	PASS
		50	25	21.37	PASS
		50	50	21.30	PASS
		100	0	21.38	PASS
HCH	HCH	1	0	22.45	PASS
		1	49	22.52	PASS
		1	99	22.60	PASS
		50	0	21.30	PASS
		50	25	21.38	PASS
		50	50	21.44	PASS
		100	0	21.46	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	8.45	<13	PASS
		1	3	8.5	<13	PASS
		1	5	8.49	<13	PASS
		3	0	8.44	<13	PASS
		3	2	8.38	<13	PASS
		3	3	8.42	<13	PASS
		6	0	8.47	<13	PASS
	MCH	1	0	5.3	<13	PASS
		1	3	5.17	<13	PASS
		1	5	5.19	<13	PASS
		3	0	5.47	<13	PASS
		3	2	5.47	<13	PASS
		3	3	5.46	<13	PASS
		6	0	5.97	<13	PASS
16QAM	LCH	1	0	4.24	<13	PASS
		1	3	4.16	<13	PASS
		1	5	4.03	<13	PASS
		3	0	4.48	<13	PASS
		3	2	4.32	<13	PASS
		3	3	4.32	<13	PASS
		6	0	5.42	<13	PASS
	MCH	1	0	8.45	<13	PASS
		1	3	8.4	<13	PASS
		1	5	8.4	<13	PASS
		3	0	8.38	<13	PASS
		3	2	8.39	<13	PASS
		3	3	8.44	<13	PASS
		6	0	8.41	<13	PASS

		3	2	6.49	<13	PASS
		3	3	6.43	<13	PASS
		6	0	6.86	<13	PASS
HCH		1	0	5.35	<13	PASS
		1	3	5.21	<13	PASS
		1	5	5.19	<13	PASS
		3	0	5.49	<13	PASS
		3	2	5.35	<13	PASS
		3	3	5.35	<13	PASS
		6	0	6.33	<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	8.43	<13	PASS
		1	7	8.37	<13	PASS
		1	14	8.44	<13	PASS
		8	0	8.44	<13	PASS
		8	4	8.46	<13	PASS
		8	7	8.42	<13	PASS
		15	0	8.44	<13	PASS
	MCH	1	0	5.33	<13	PASS
		1	7	5.13	<13	PASS
		1	14	5.18	<13	PASS
		8	0	5.93	<13	PASS
		8	4	5.94	<13	PASS
		8	7	5.9	<13	PASS
		15	0	5.92	<13	PASS
	HCH	1	0	4.43	<13	PASS
		1	7	4.29	<13	PASS
		1	14	4.08	<13	PASS
		8	0	5.4	<13	PASS
		8	4	5.37	<13	PASS
		8	7	5.25	<13	PASS
		15	0	5.52	<13	PASS
16QAM	LCH	1	0	8.48	<13	PASS
		1	7	8.41	<13	PASS
		1	14	8.39	<13	PASS
		8	0	8.48	<13	PASS
		8	4	8.45	<13	PASS

		8	7	8.48	<13	PASS
		15	0	8.43	<13	PASS
MCH	1	0	6.47	<13	PASS	
	1	7	6.46	<13	PASS	
	1	14	6.23	<13	PASS	
	8	0	6.57	<13	PASS	
	8	4	6.63	<13	PASS	
	8	7	6.69	<13	PASS	
	15	0	6.9	<13	PASS	
HCH	1	0	5.65	<13	PASS	
	1	7	5.46	<13	PASS	
	1	14	5.25	<13	PASS	
	8	0	6.23	<13	PASS	
	8	4	6.13	<13	PASS	
	8	7	6.06	<13	PASS	
	15	0	6.44	<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	8.43	<13	PASS
		1	12	8.38	<13	PASS
		1	24	8.41	<13	PASS
		12	0	8.41	<13	PASS
		12	6	8.42	<13	PASS
		12	13	8.41	<13	PASS
		25	0	8.44	<13	PASS
	MCH	1	0	5.07	<13	PASS
		1	12	4.99	<13	PASS
		1	24	4.92	<13	PASS
		12	0	5.8	<13	PASS
		12	6	5.79	<13	PASS
		12	13	5.83	<13	PASS
		25	0	5.85	<13	PASS
	HCH	1	0	4.43	<13	PASS
		1	12	4.25	<13	PASS
		1	24	4	<13	PASS
		12	0	5.54	<13	PASS
		12	6	5.38	<13	PASS
		12	13	5.29	<13	PASS

		25	0	5.62	<13	PASS
16QAM	LCH	1	0	8.38	<13	PASS
		1	12	8.41	<13	PASS
		1	24	8.4	<13	PASS
		12	0	8.39	<13	PASS
		12	6	8.41	<13	PASS
		12	13	8.44	<13	PASS
		25	0	8.47	<13	PASS
	MCH	1	0	6.23	<13	PASS
		1	12	6.07	<13	PASS
		1	24	6.2	<13	PASS
		12	0	6.66	<13	PASS
		12	6	6.73	<13	PASS
		12	13	6.71	<13	PASS
		25	0	6.76	<13	PASS
	HCH	1	0	5.77	<13	PASS
		1	12	5.54	<13	PASS
		1	24	5.34	<13	PASS
		12	0	6.38	<13	PASS
		12	6	6.31	<13	PASS
		12	13	6.13	<13	PASS
		25	0	6.41	<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	8.36	<13	PASS
		1	24	8.37	<13	PASS
		1	49	8.45	<13	PASS
		25	0	8.4	<13	PASS
		25	12	8.4	<13	PASS
		25	25	8.4	<13	PASS
		50	0	8.41	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	24	5.23	<13	PASS
		1	49	4.85	<13	PASS
		25	0	5.77	<13	PASS
		25	12	5.87	<13	PASS
		25	25	5.86	<13	PASS
		50	0	5.78	<13	PASS

		1	0	4.85	<13	PASS
		1	24	4.57	<13	PASS
		1	49	4.15	<13	PASS
	HCH	25	0	5.6	<13	PASS
		25	12	5.62	<13	PASS
		25	25	5.54	<13	PASS
		50	0	5.66	<13	PASS
16QAM	LCH	1	0	8.41	<13	PASS
		1	24	8.39	<13	PASS
		1	49	8.41	<13	PASS
		25	0	8.38	<13	PASS
		25	12	8.39	<13	PASS
		25	25	8.39	<13	PASS
		50	0	8.38	<13	PASS
	MCH	1	0	6.26	<13	PASS
		1	24	6.44	<13	PASS
		1	49	6.04	<13	PASS
		25	0	6.66	<13	PASS
		25	12	6.8	<13	PASS
		25	25	6.72	<13	PASS
		50	0	6.6	<13	PASS
	HCH	1	0	6.03	<13	PASS
		1	24	5.75	<13	PASS
		1	49	5.26	<13	PASS
		25	0	6.52	<13	PASS
		25	12	6.51	<13	PASS
		25	25	6.43	<13	PASS
		50	0	6.44	<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	8.41	<13	PASS
		1	37	8.42	<13	PASS
		1	74	8.39	<13	PASS
		37	0	8.39	<13	PASS
		37	18	8.41	<13	PASS
		37	38	8.39	<13	PASS
		75	0	8.38	<13	PASS
	MCH	1	0	5.61	<13	PASS

		1	37	5.24	<13	PASS
		1	74	5.63	<13	PASS
		37	0	5.04	<13	PASS
		37	18	5.87	<13	PASS
		37	38	5.01	<13	PASS
		75	0	5.05	<13	PASS
		1	0	5.73	<13	PASS
		1	37	4.65	<13	PASS
		1	74	5.14	<13	PASS
		37	0	4.92	<13	PASS
		37	18	5.71	<13	PASS
		37	38	4.98	<13	PASS
		75	0	4.93	<13	PASS
16QAM	LCH	1	0	8.42	<13	PASS
		1	37	8.39	<13	PASS
		1	74	8.38	<13	PASS
		37	0	8.41	<13	PASS
		37	18	8.39	<13	PASS
		37	38	8.41	<13	PASS
		75	0	8.41	<13	PASS
	MCH	1	0	6.66	<13	PASS
		1	37	6.4	<13	PASS
		1	74	6.49	<13	PASS
		37	0	6.32	<13	PASS
		37	18	6.66	<13	PASS
		37	38	6.36	<13	PASS
		75	0	6.45	<13	PASS
	HCH	1	0	6.73	<13	PASS
		1	37	5.9	<13	PASS
		1	74	6.06	<13	PASS
		37	0	6.21	<13	PASS
		37	18	6.49	<13	PASS
		37	38	6.28	<13	PASS
		75	0	6.36	<13	PASS

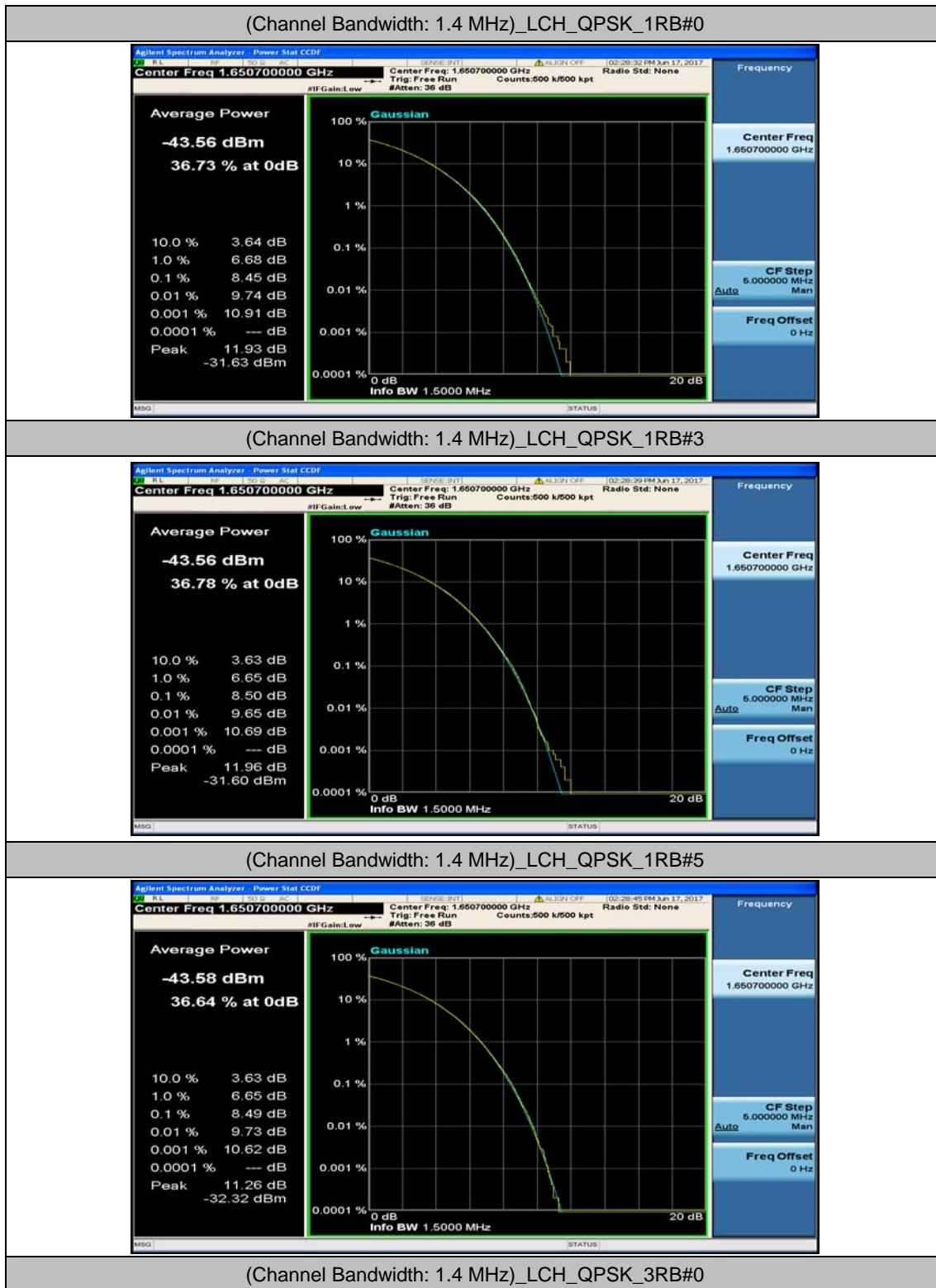
Channel Bandwidth: 20 MHz

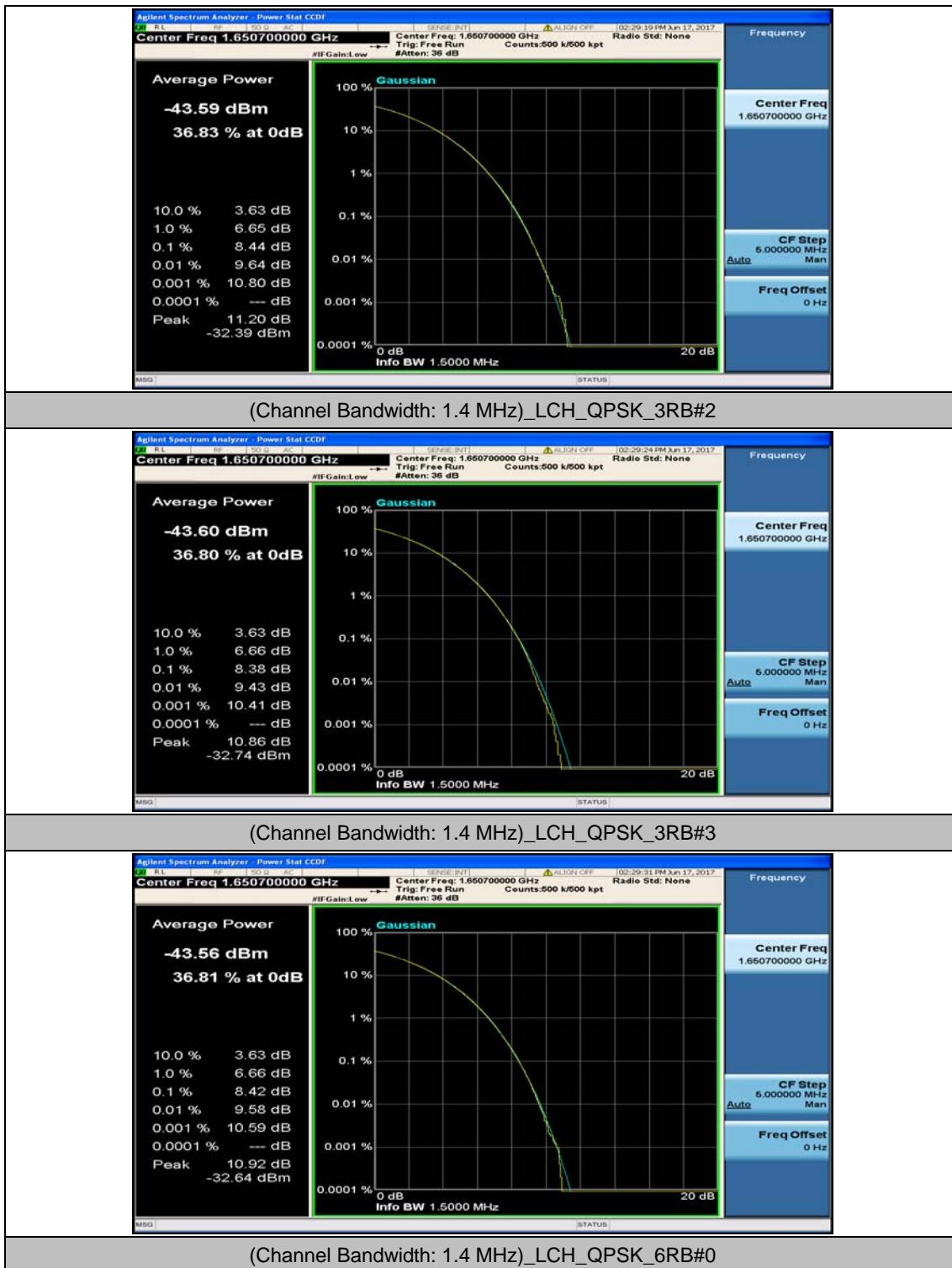
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.42	<13	PASS
		1	49	8.49	<13	PASS

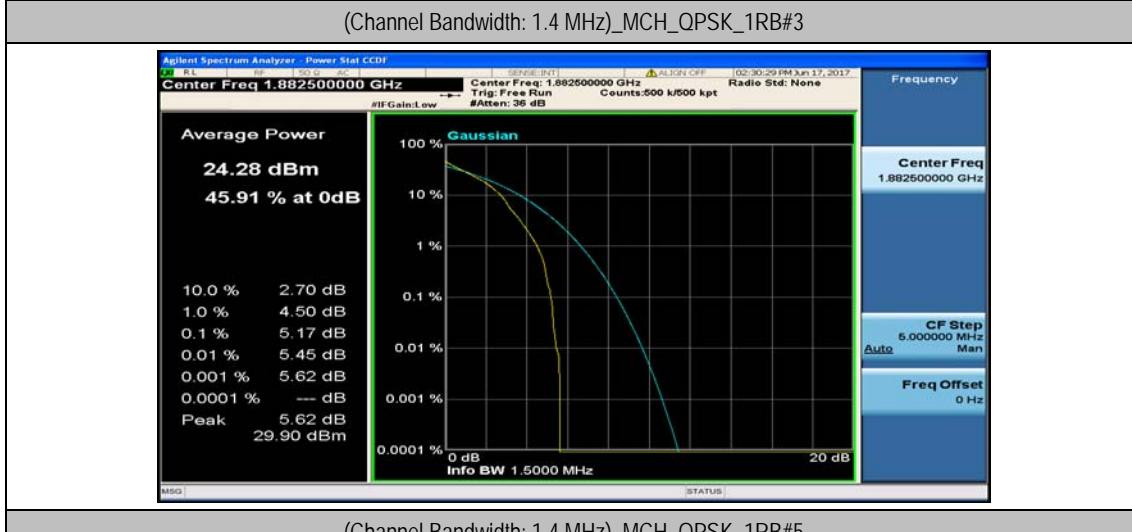
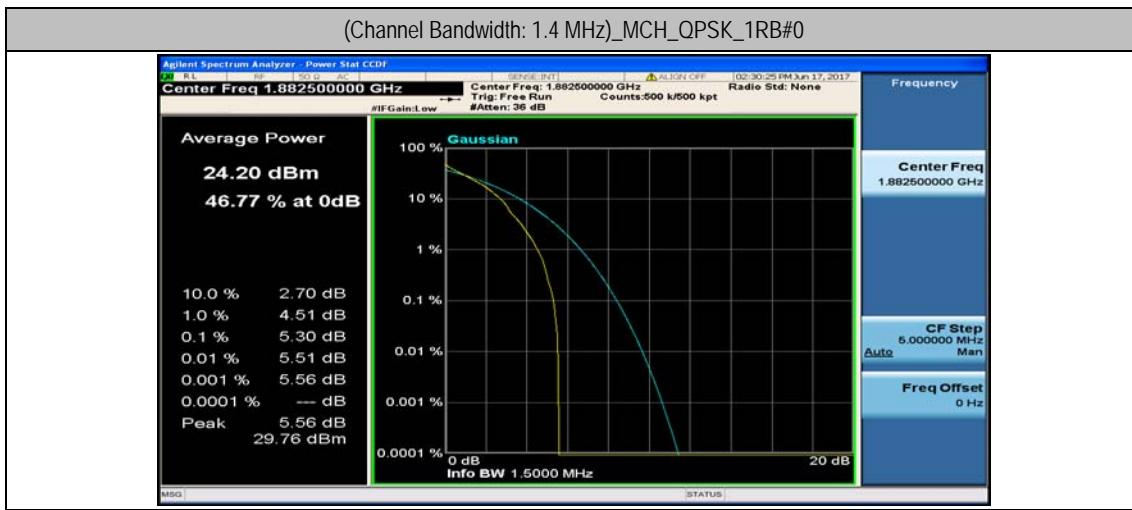
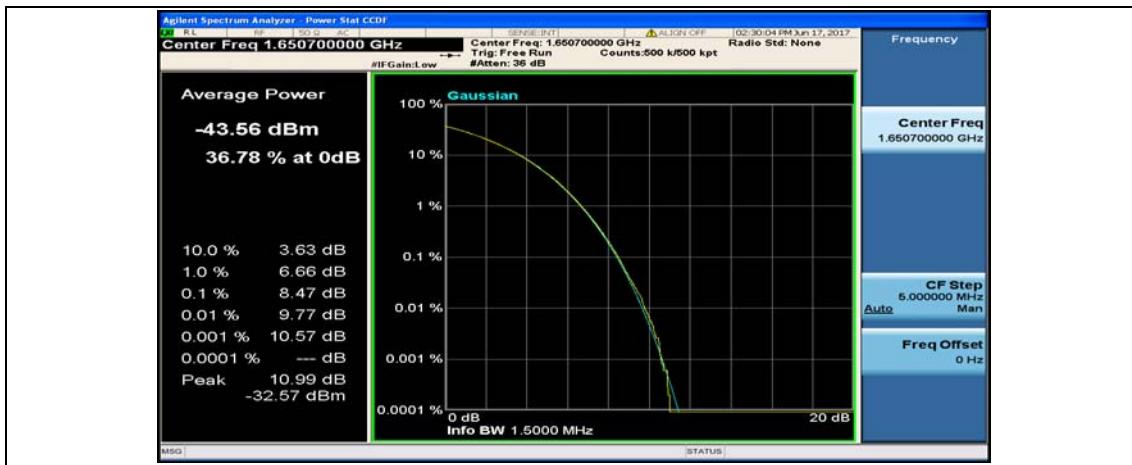
		1	99	8.4	<13	PASS
		50	0	8.37	<13	PASS
		50	25	8.35	<13	PASS
		50	50	8.39	<13	PASS
		100	0	8.4	<13	PASS
	MCH	1	0	3.34	<13	PASS
		1	49	5.12	<13	PASS
		1	99	2.17	<13	PASS
		50	0	5.73	<13	PASS
		50	25	5.79	<13	PASS
		50	50	5.99	<13	PASS
		100	0	5.73	<13	PASS
	HCH	1	0	2.38	<13	PASS
		1	49	4.76	<13	PASS
		1	99	2.3	<13	PASS
		50	0	5.66	<13	PASS
		50	25	5.67	<13	PASS
		50	50	5.95	<13	PASS
		100	0	5.68	<13	PASS
	LCH	1	0	8.37	<13	PASS
		1	49	8.39	<13	PASS
		1	99	8.41	<13	PASS
		50	0	8.39	<13	PASS
		50	25	8.4	<13	PASS
		50	50	8.41	<13	PASS
		100	0	8.42	<13	PASS
	MCH	1	0	3.23	<13	PASS
		1	49	6.47	<13	PASS
		1	99	3	<13	PASS
		50	0	6.76	<13	PASS
		50	25	6.66	<13	PASS
		50	50	6.85	<13	PASS
		100	0	6.89	<13	PASS
	HCH	1	0	2.38	<13	PASS
		1	49	5.99	<13	PASS
		1	99	2.17	<13	PASS
		50	0	6.72	<13	PASS
		50	25	6.53	<13	PASS
		50	50	6.85	<13	PASS
		100	0	6.86	<13	PASS

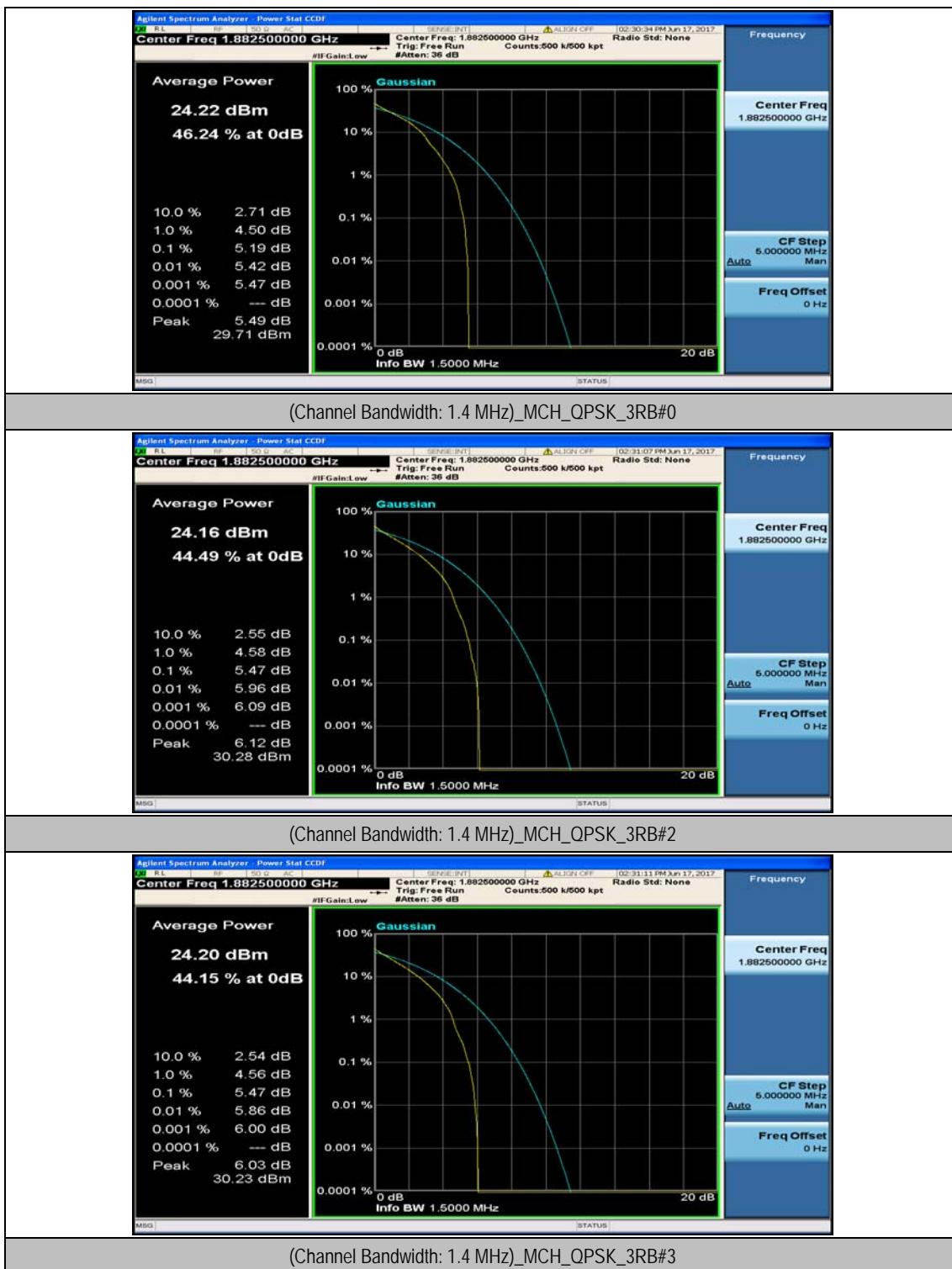
Test Graphs

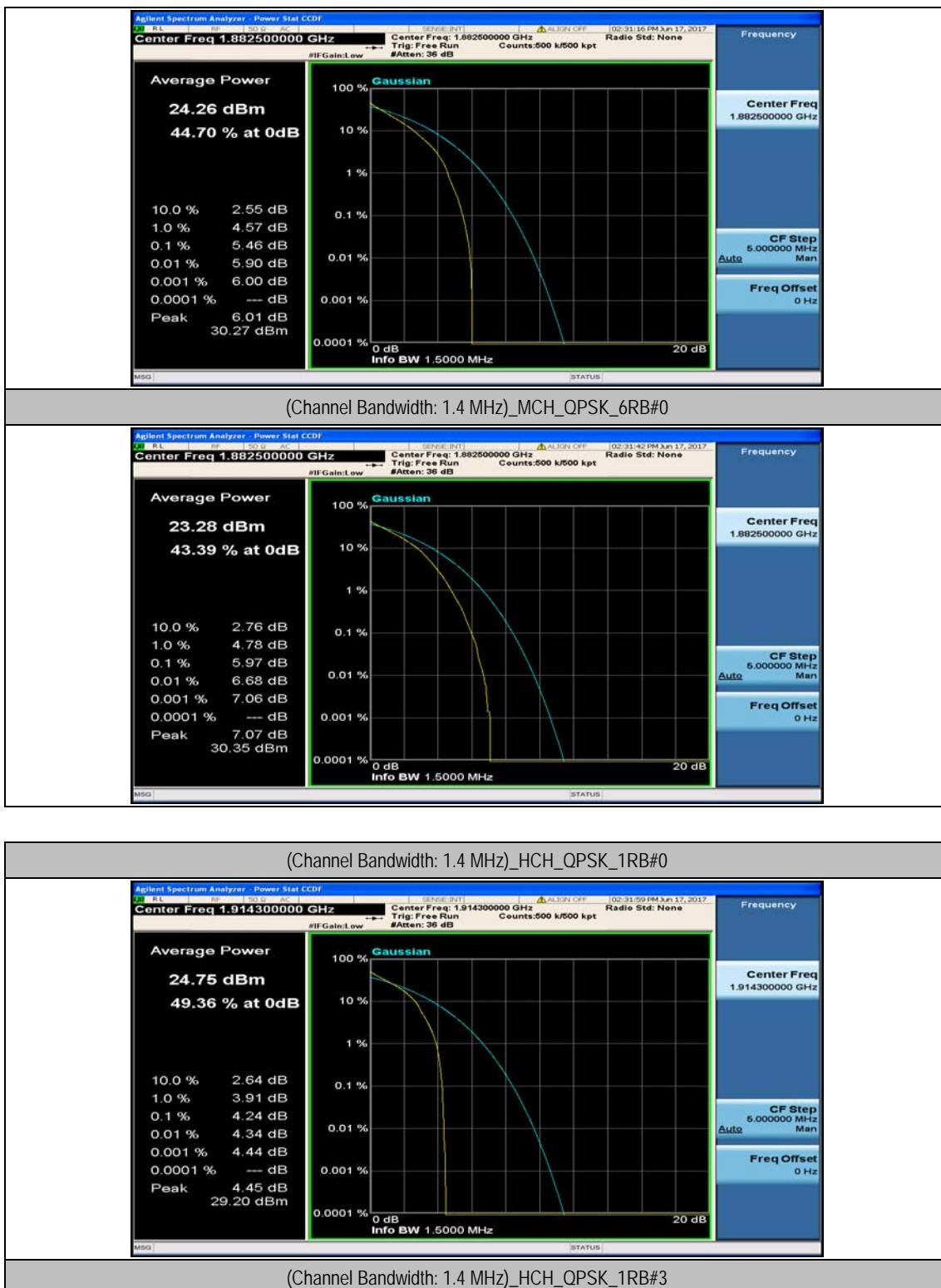
Channel Bandwidth: 1.4 MHz

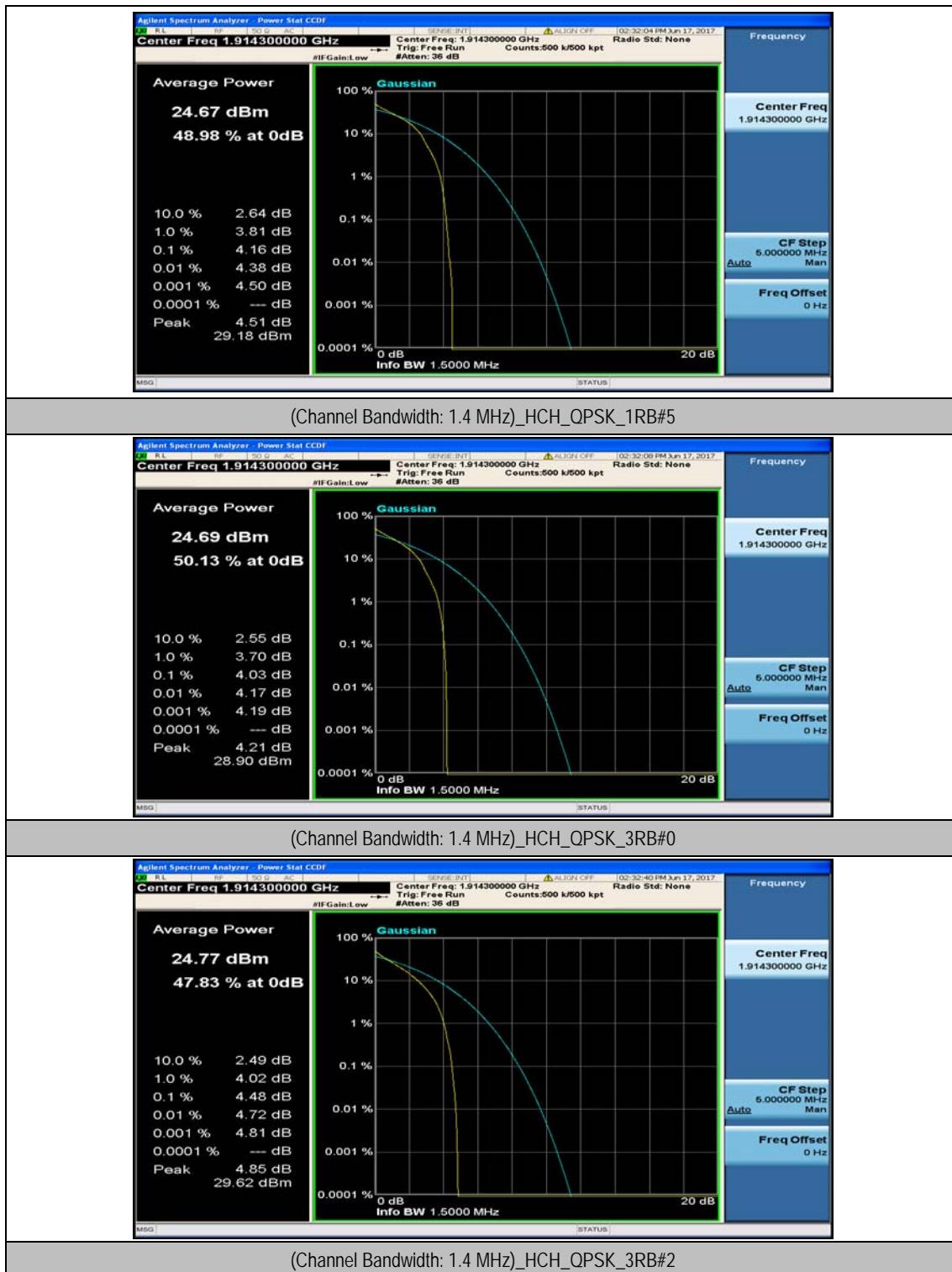


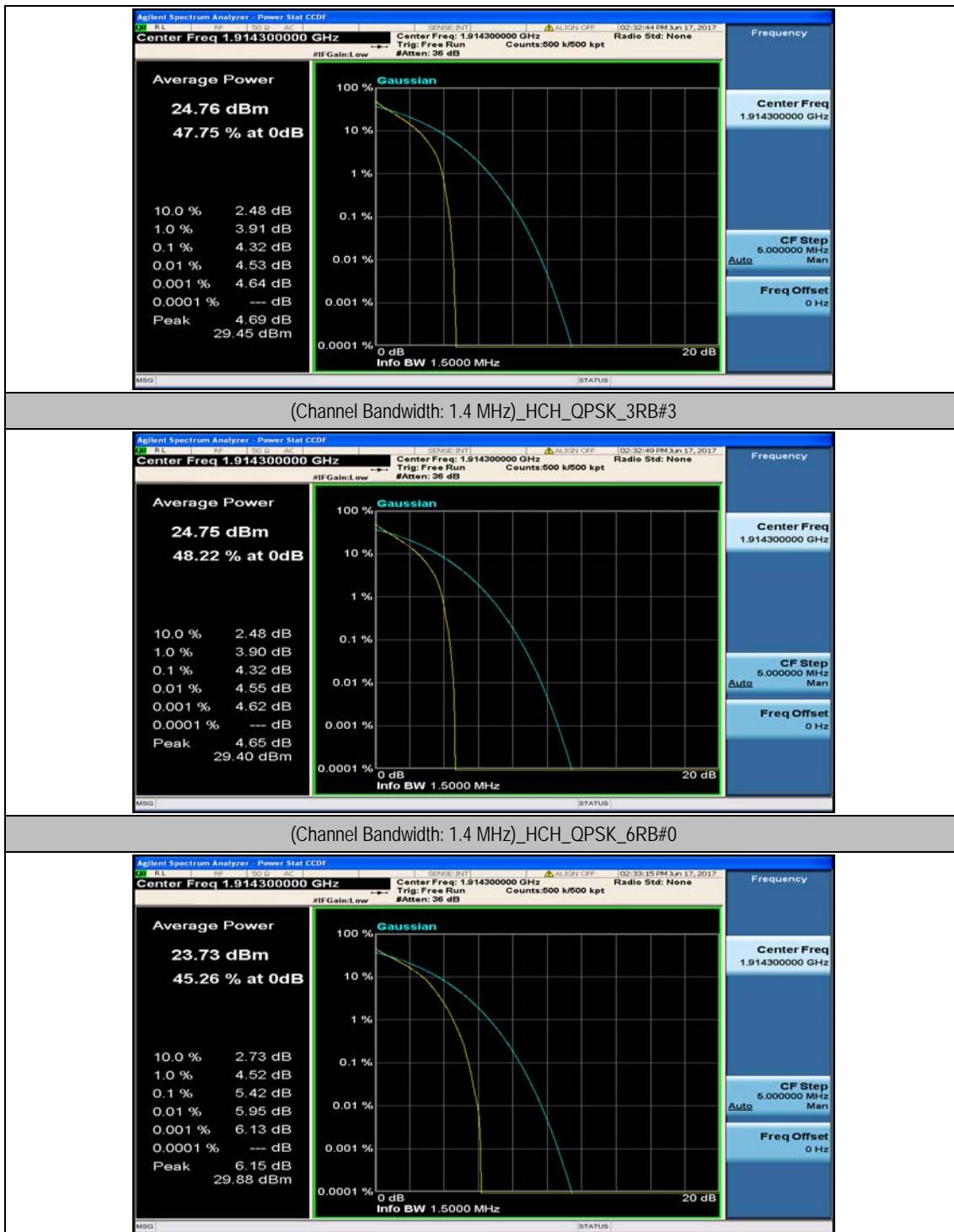


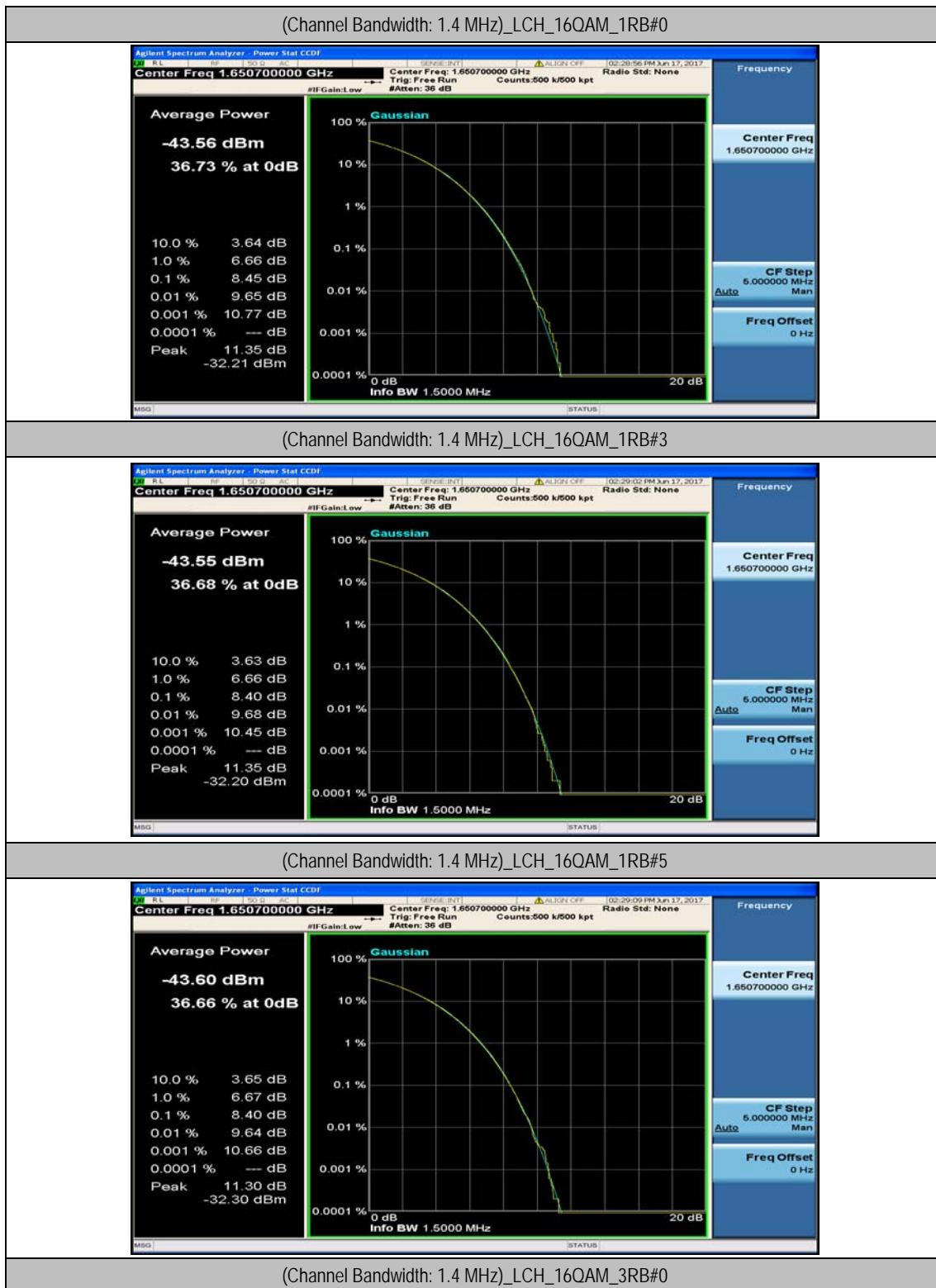


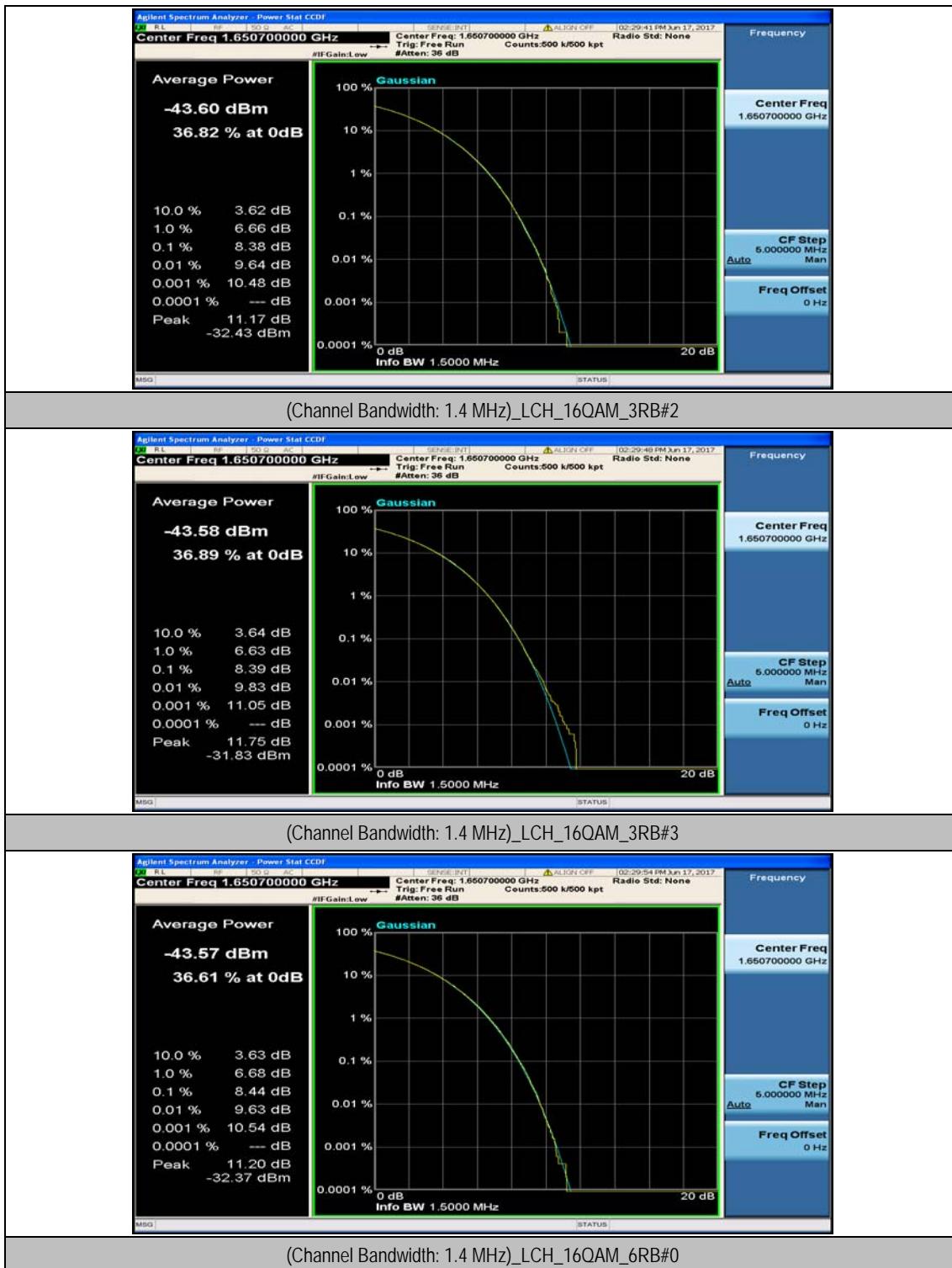


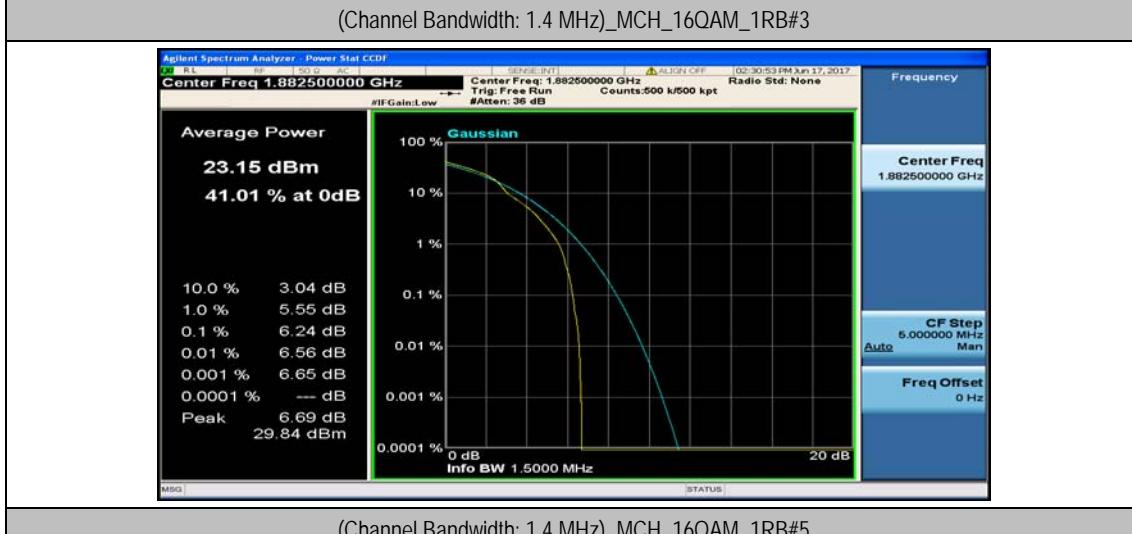
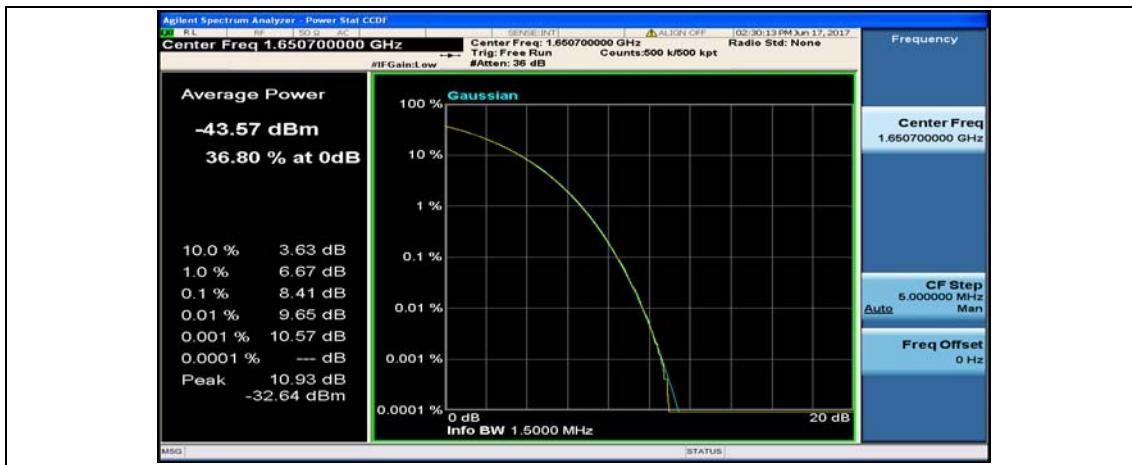


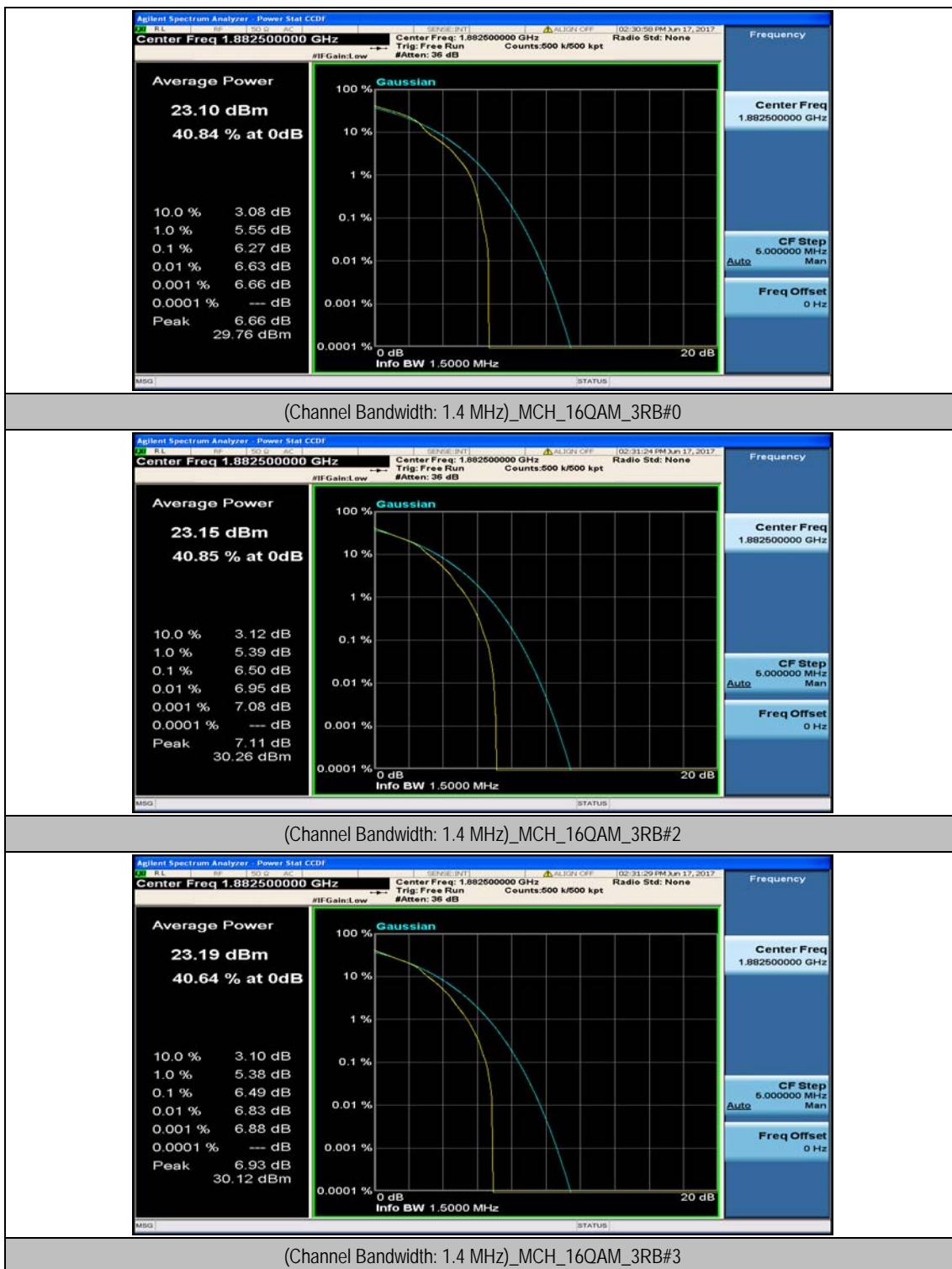


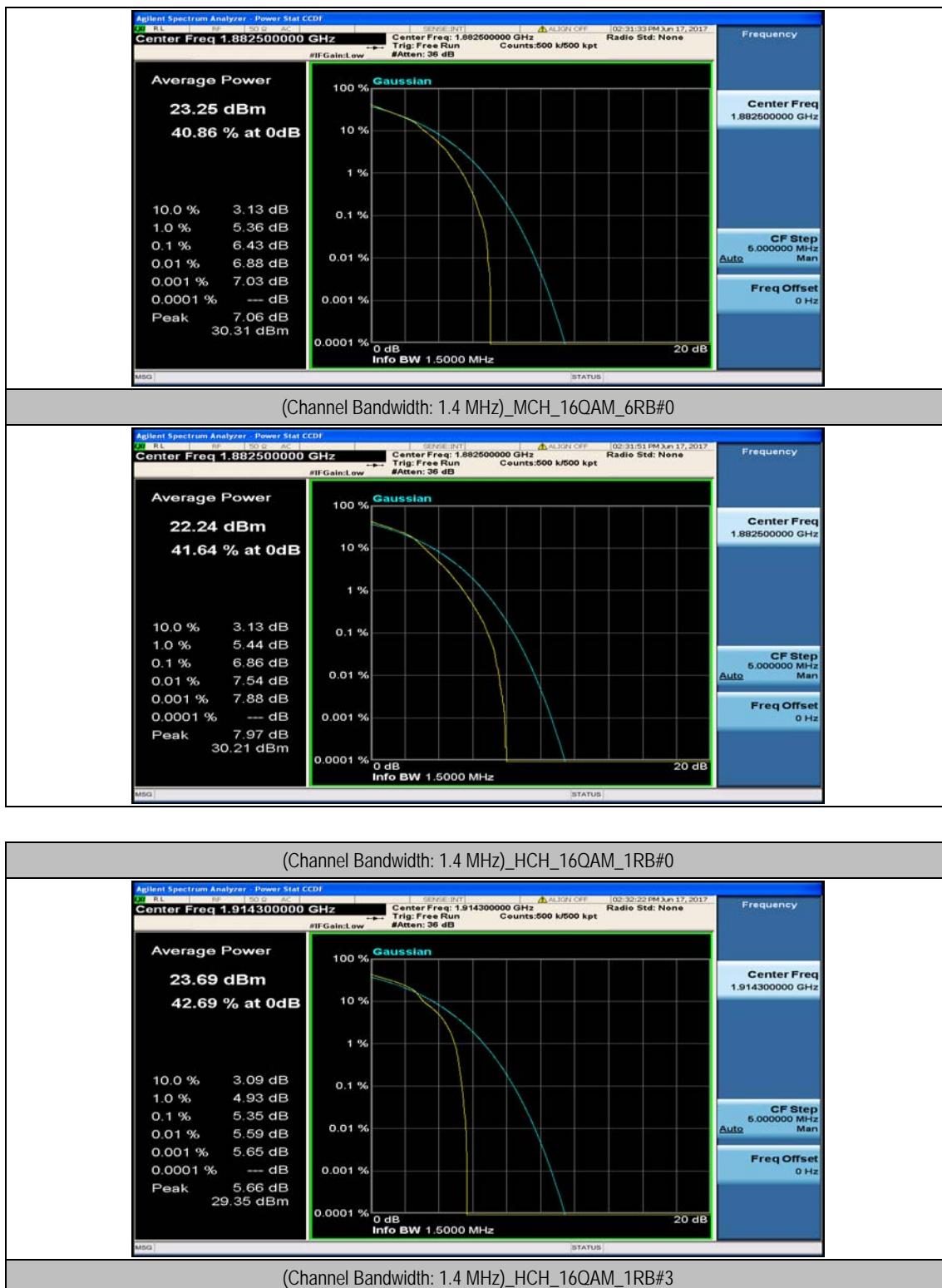


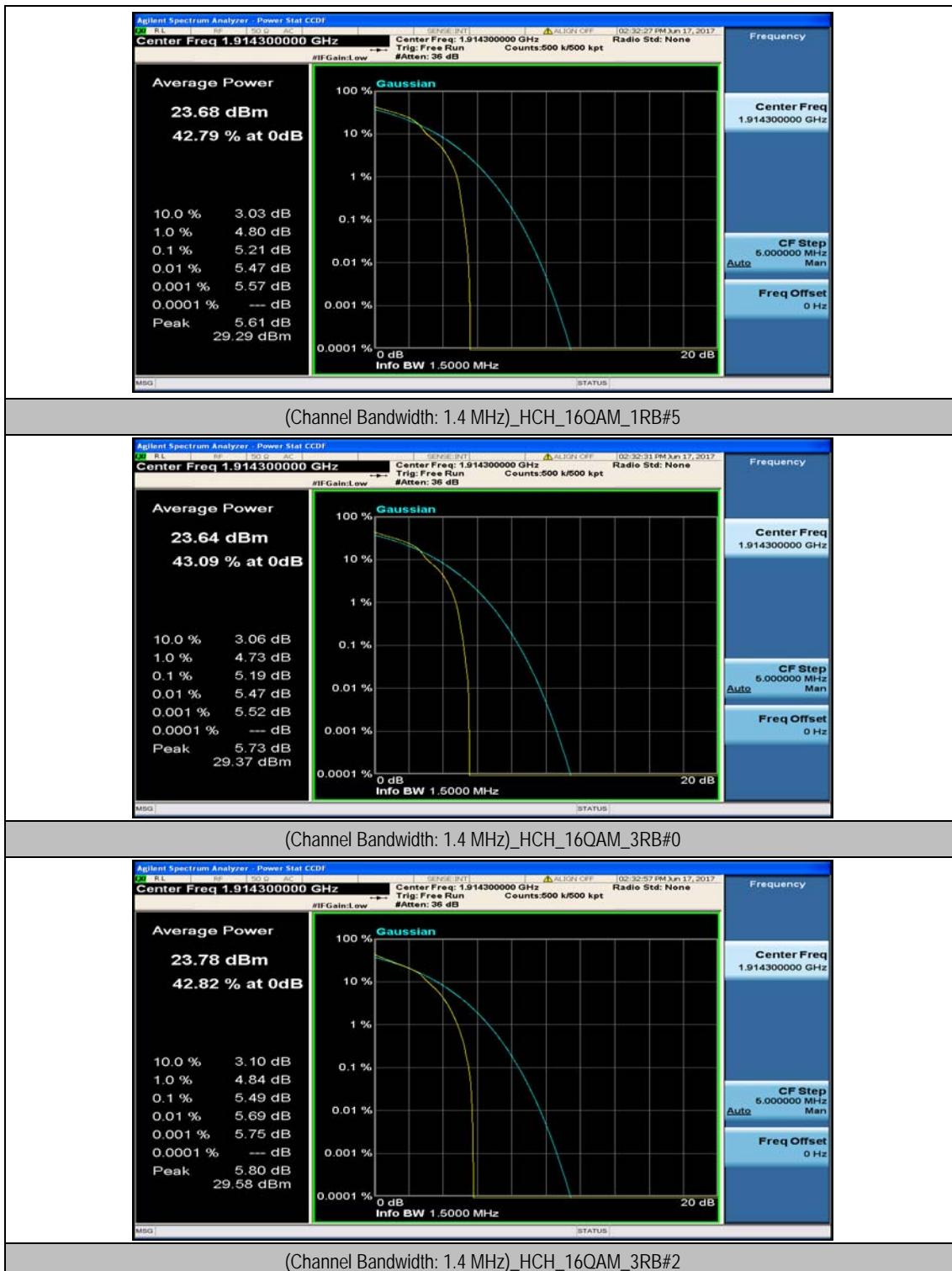


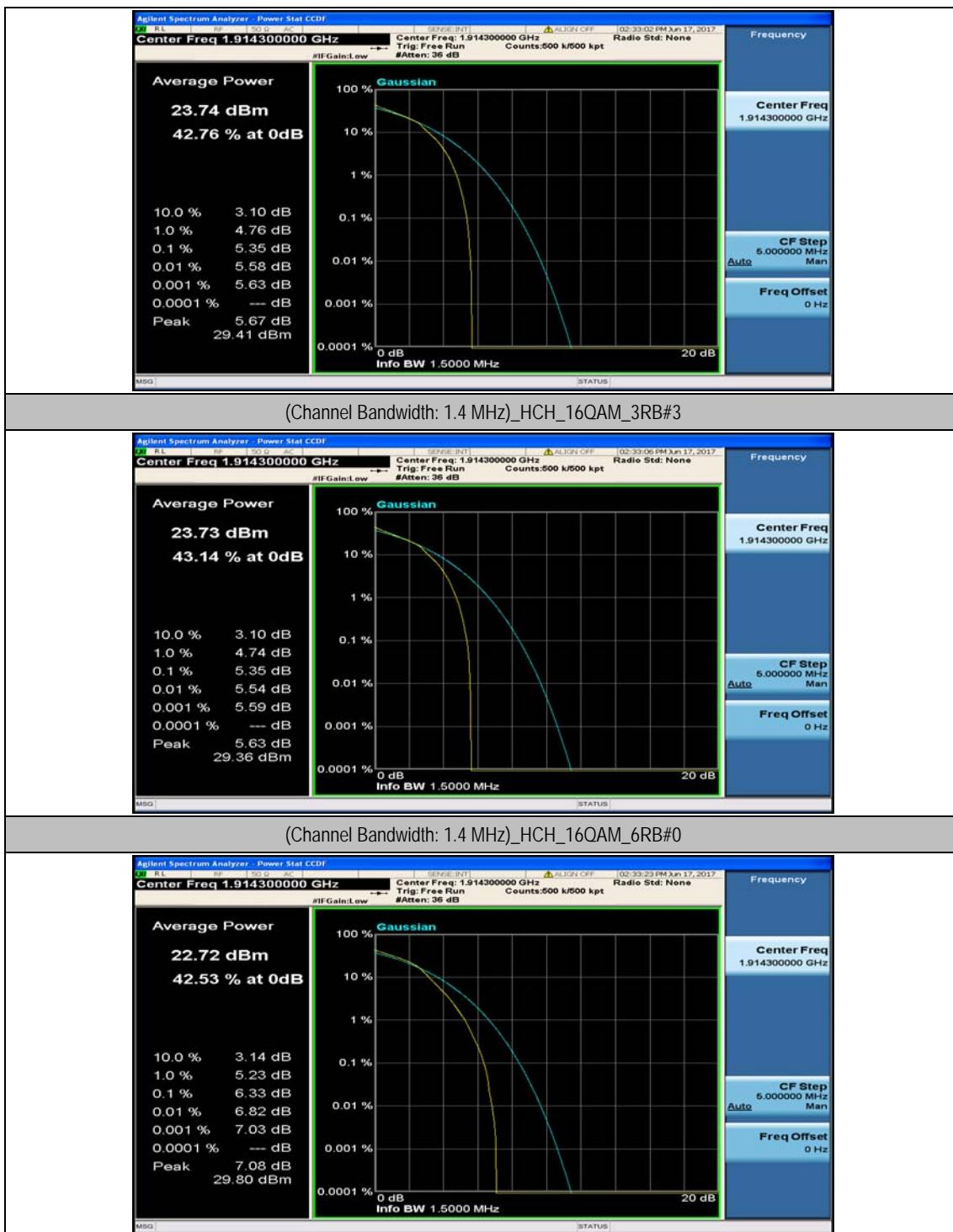




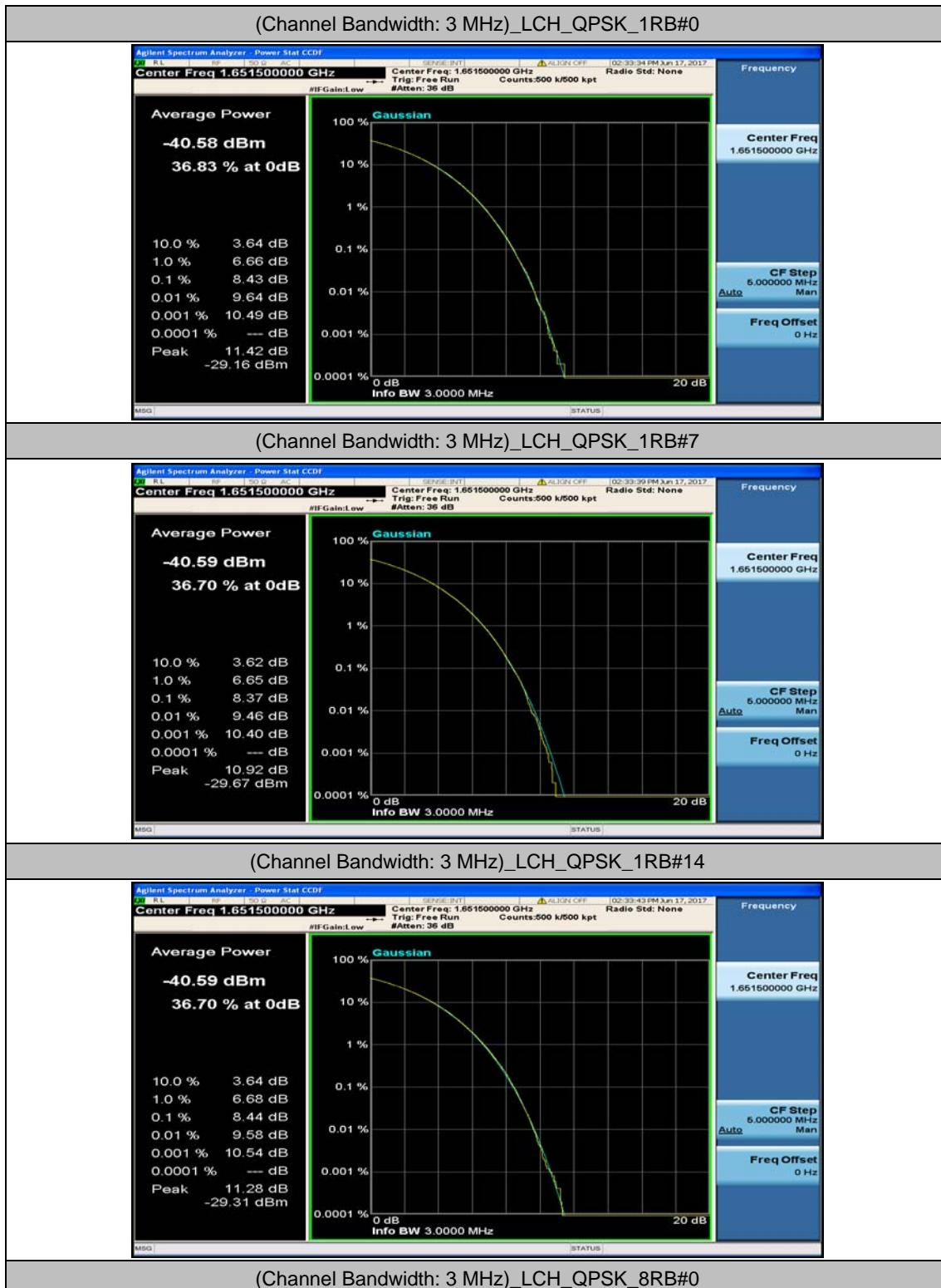


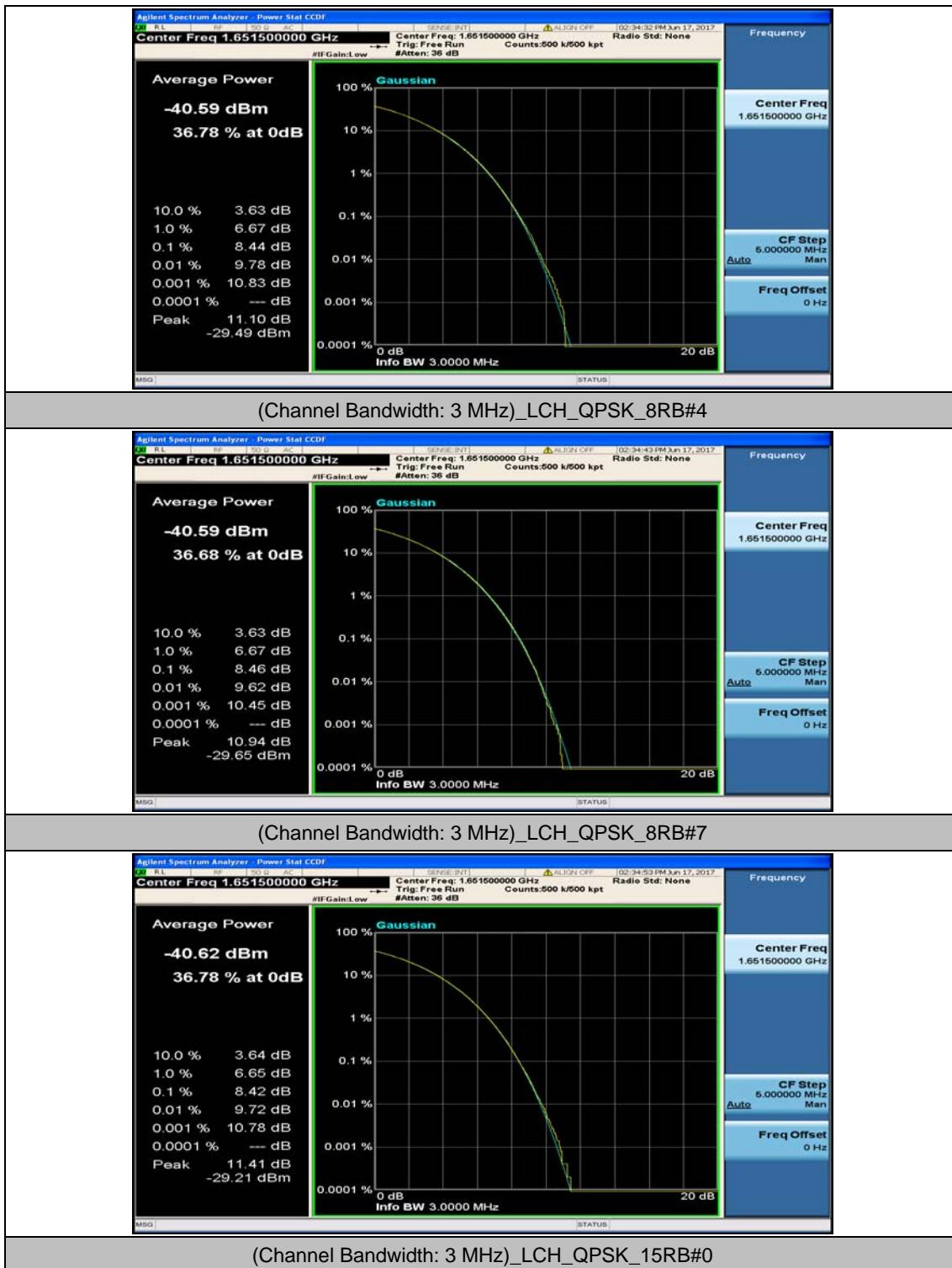


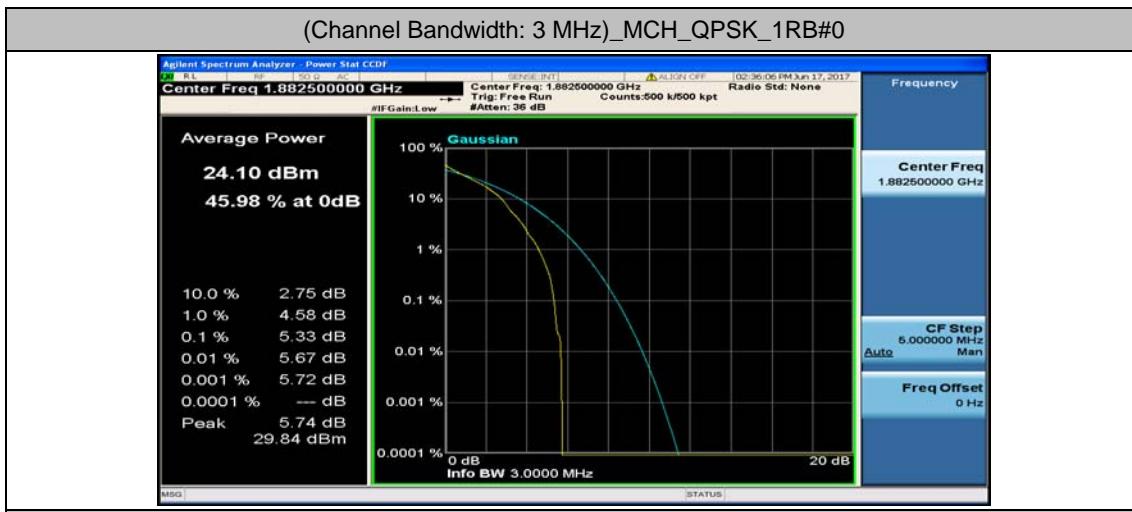
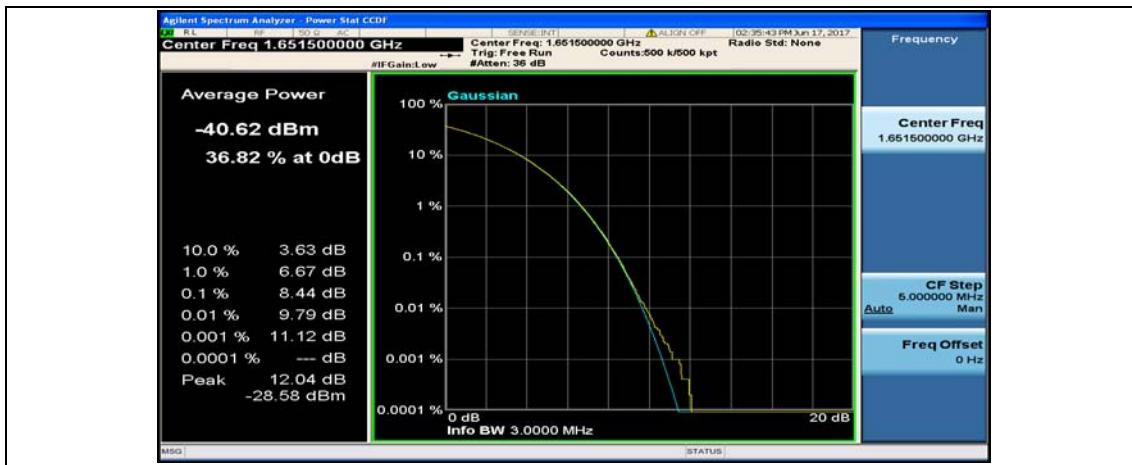




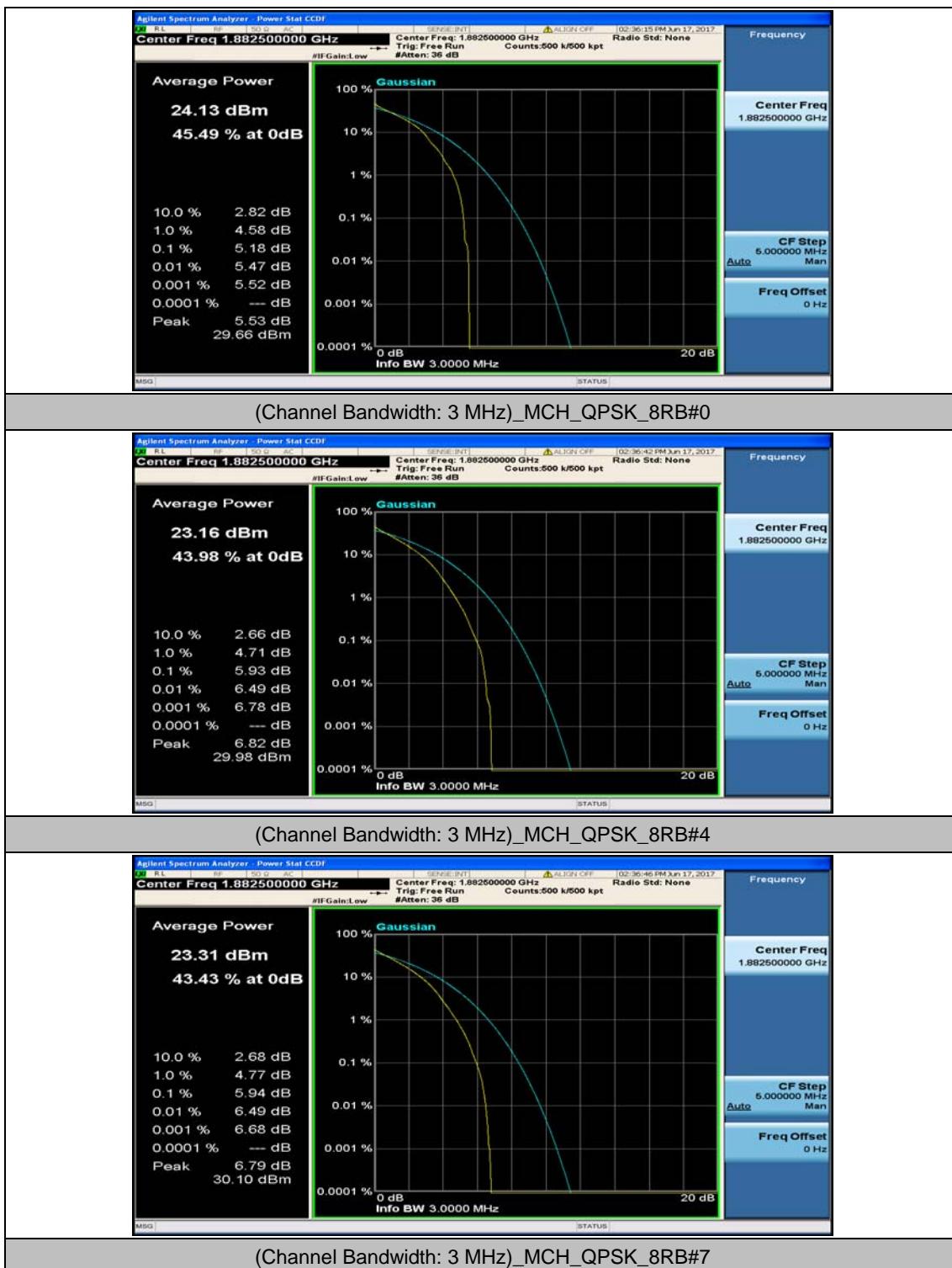
Channel Bandwidth: 3 MHz

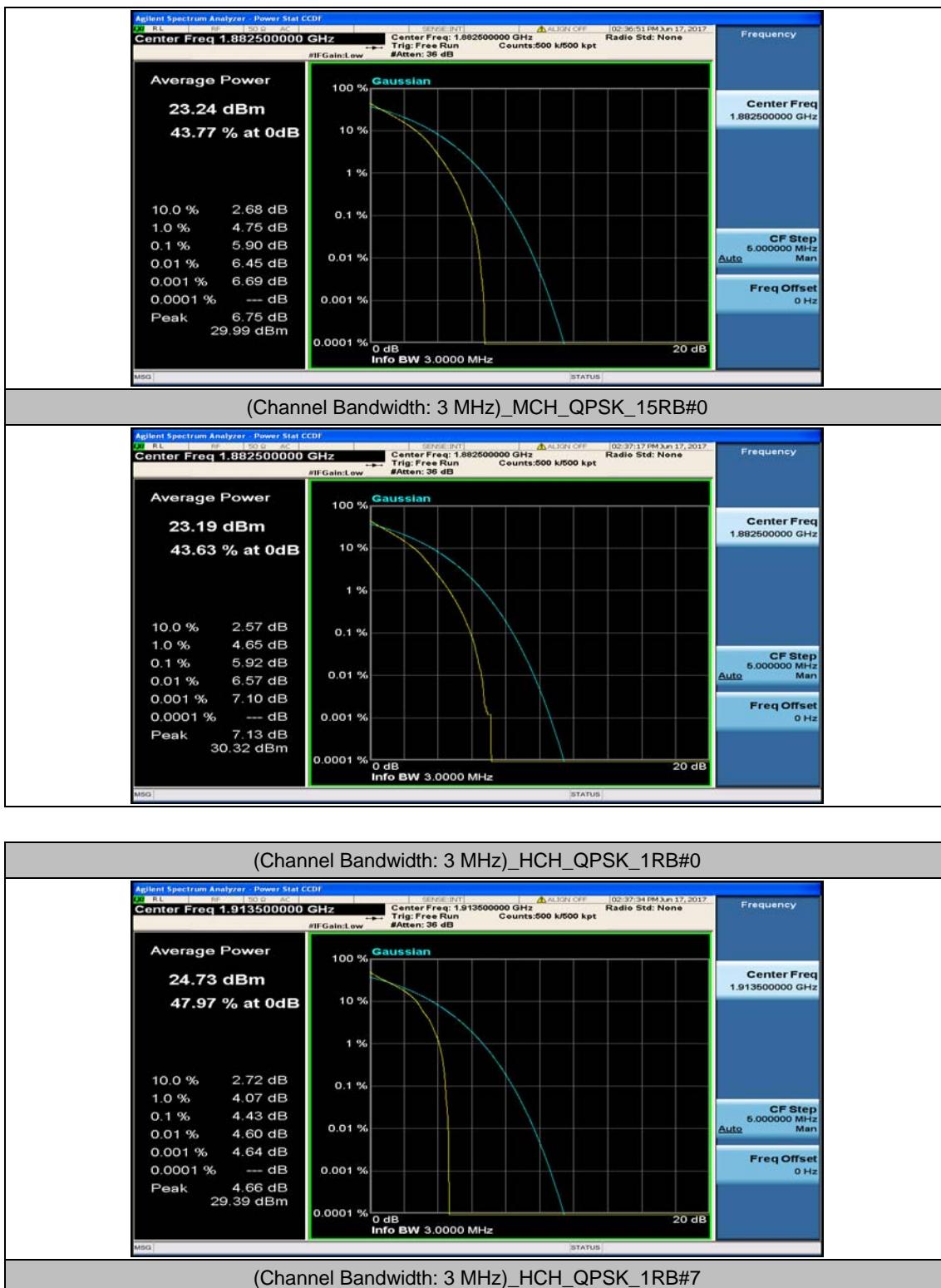


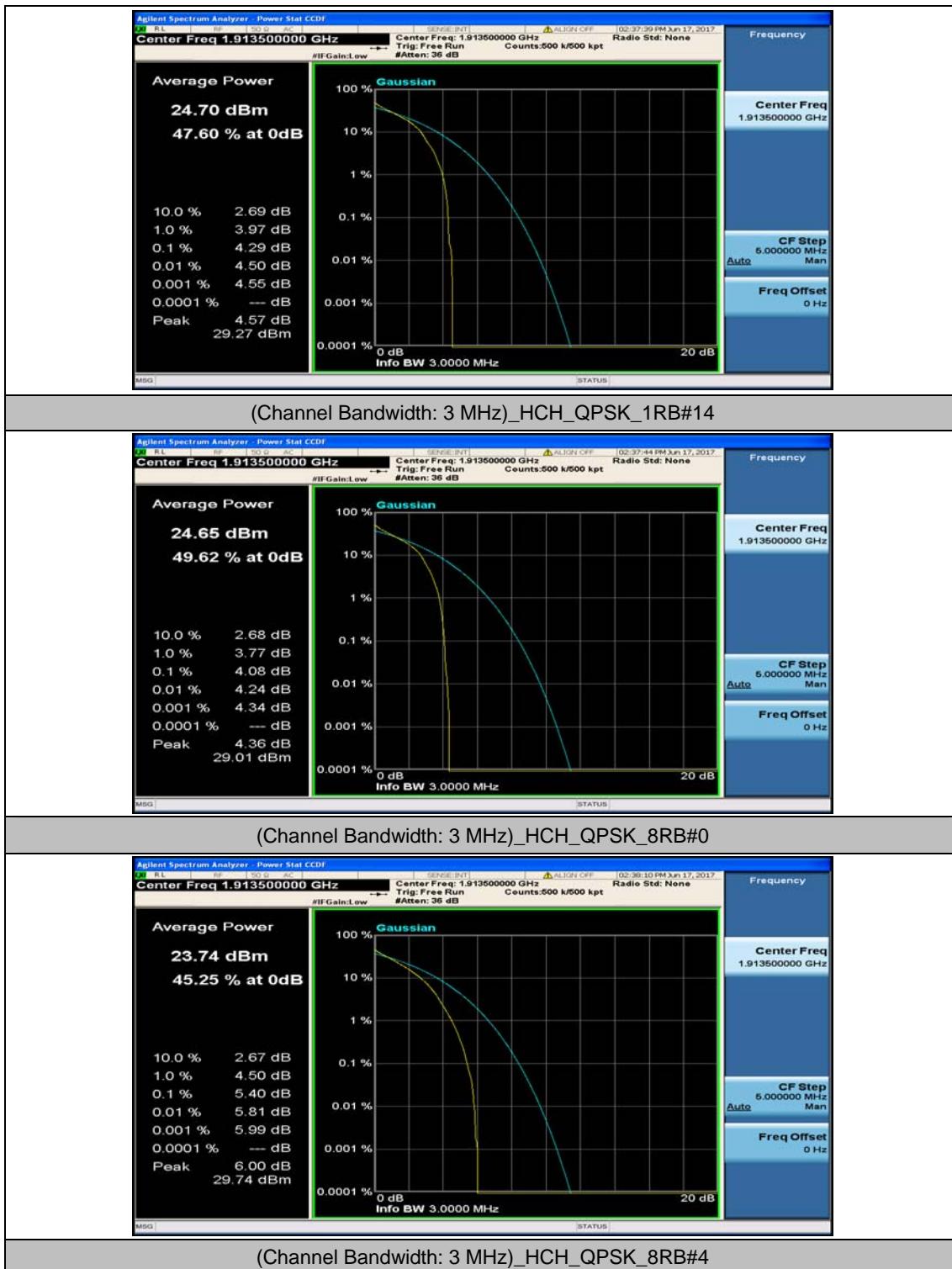


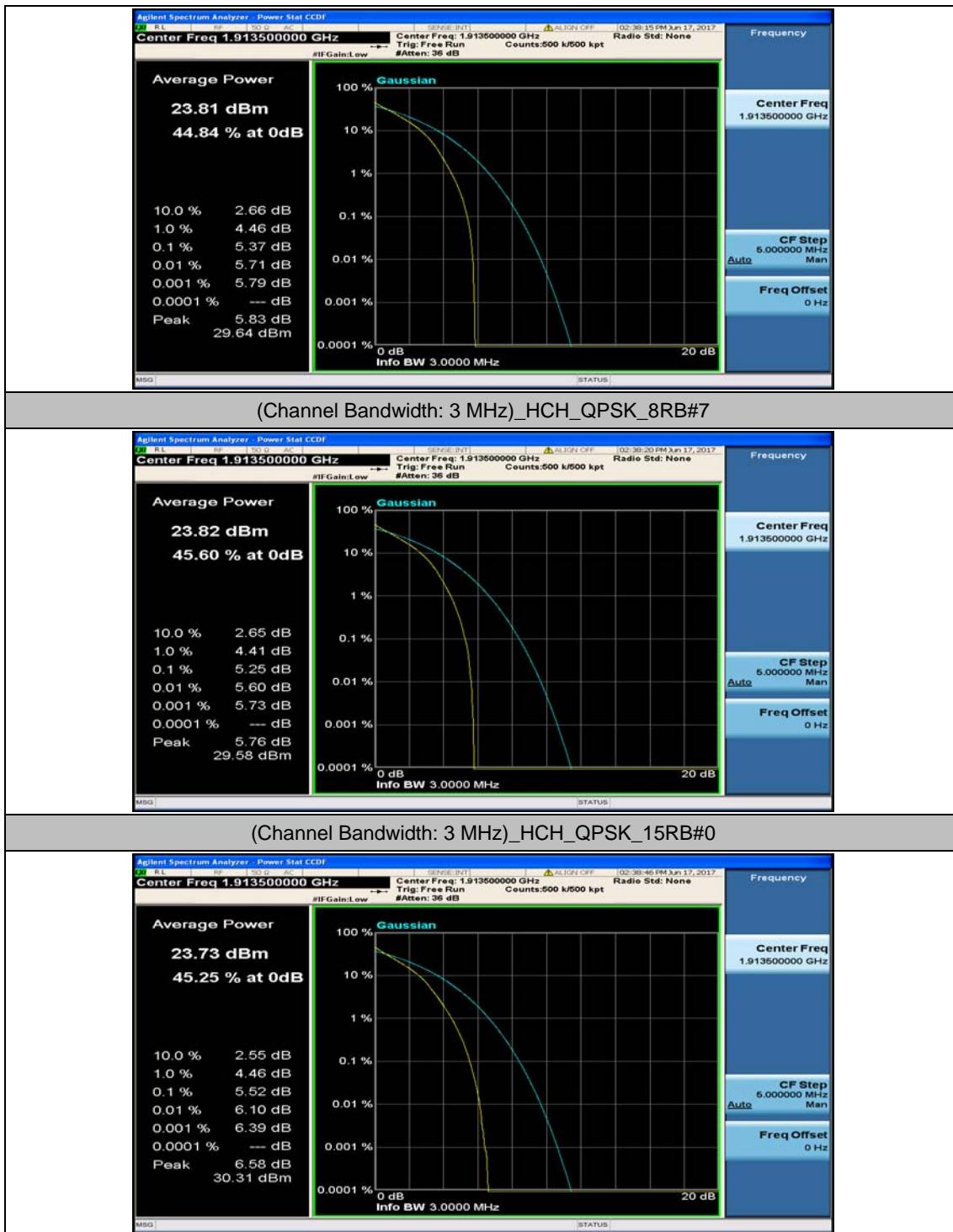


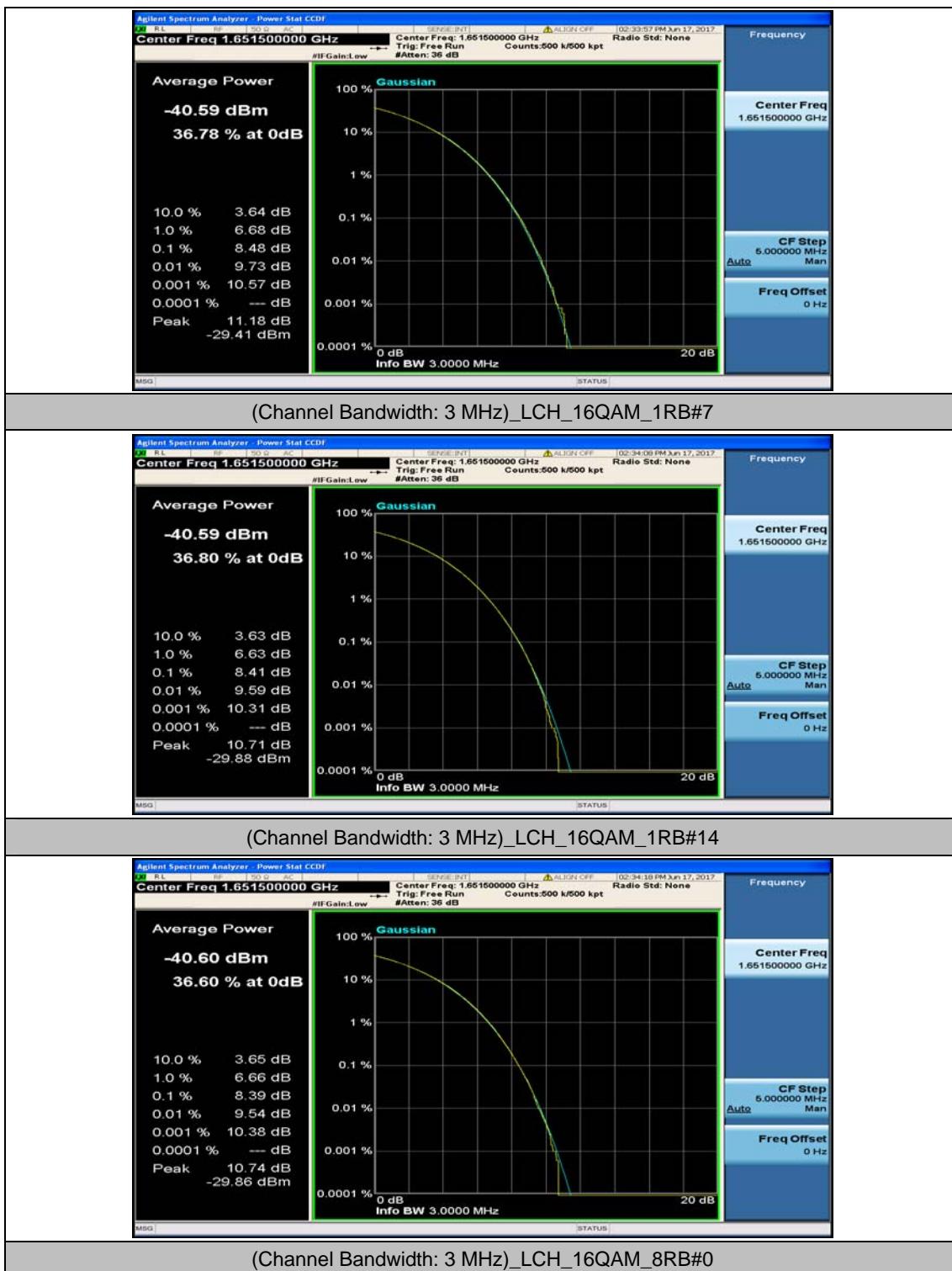
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

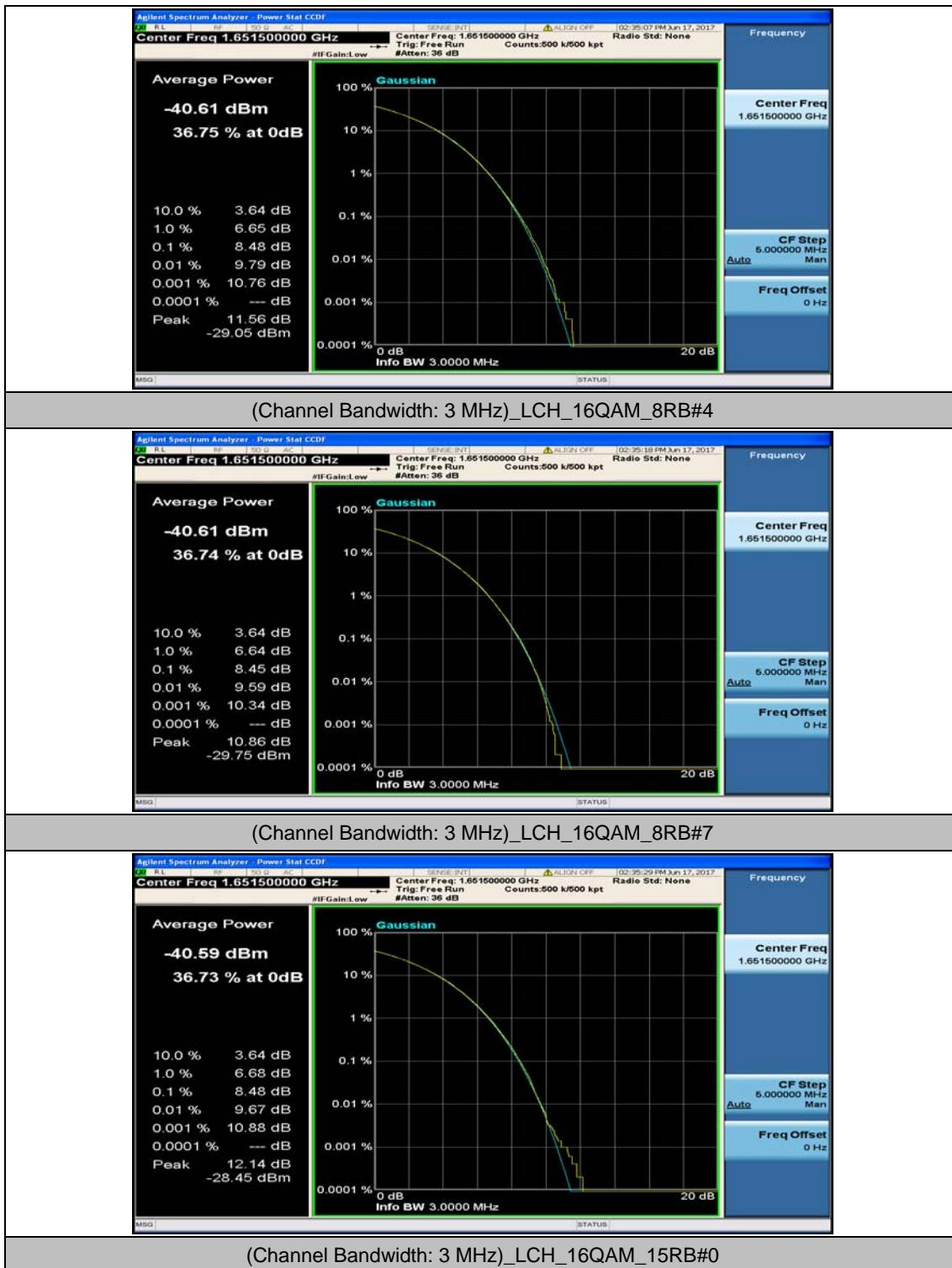


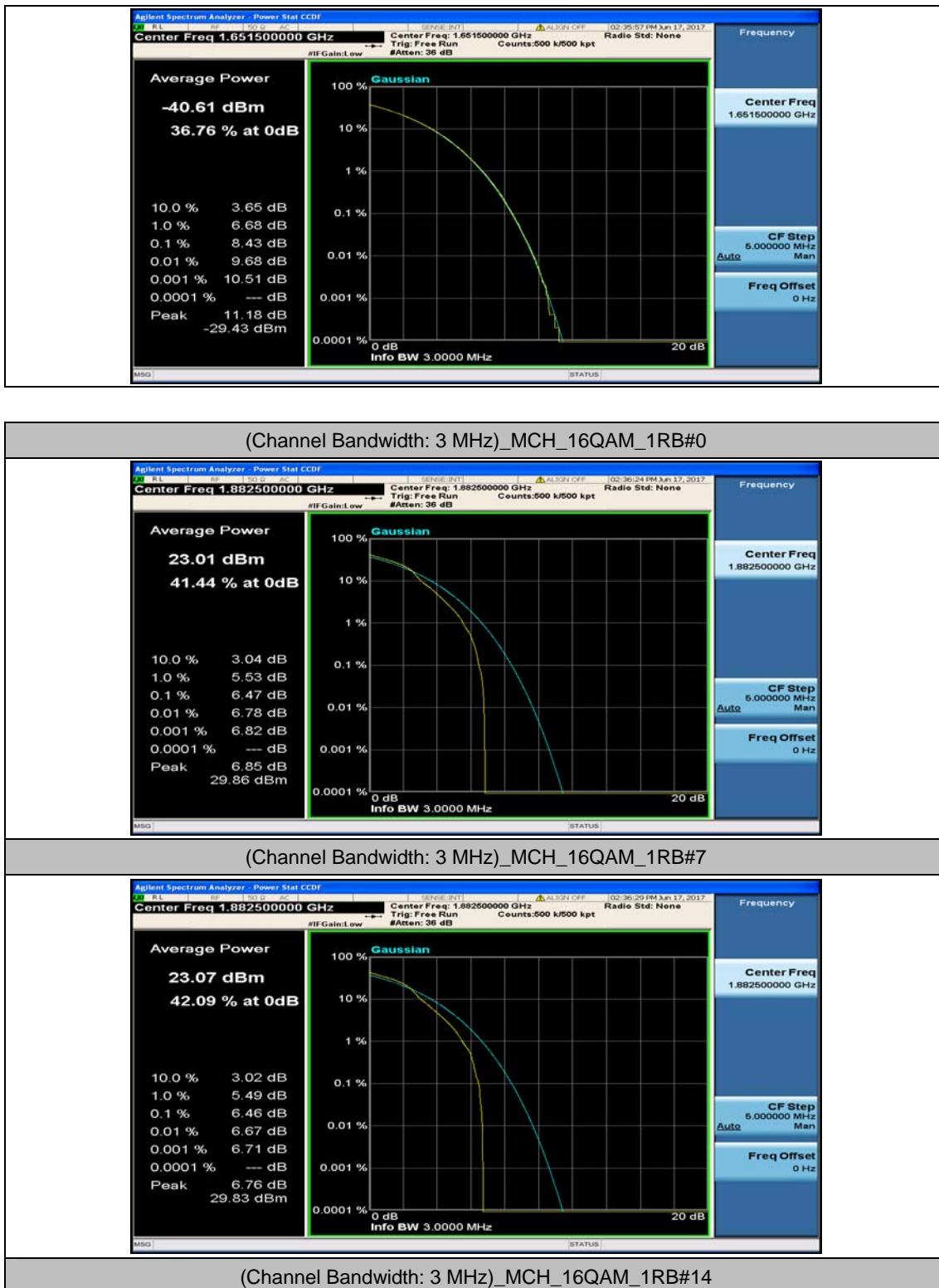


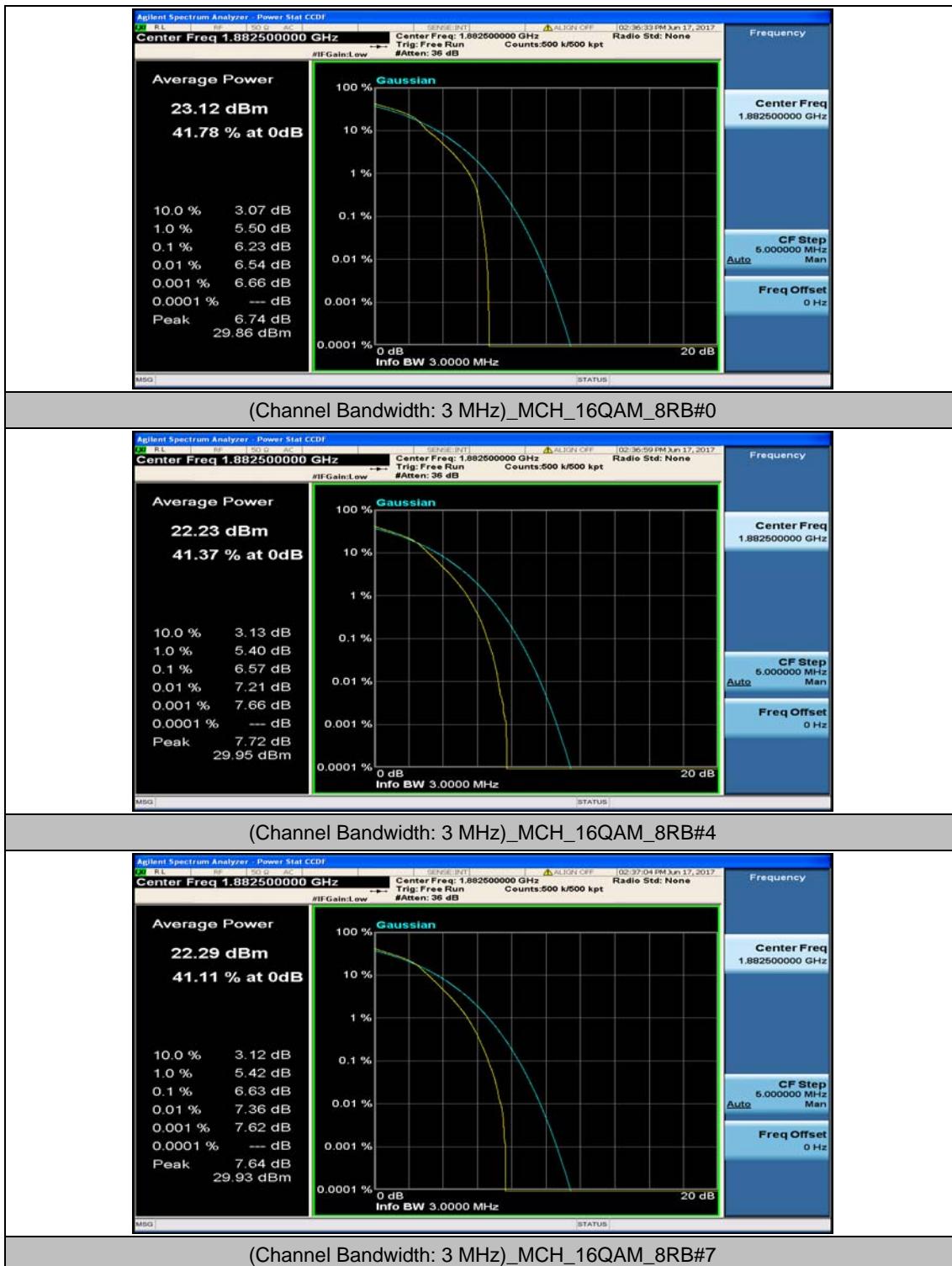


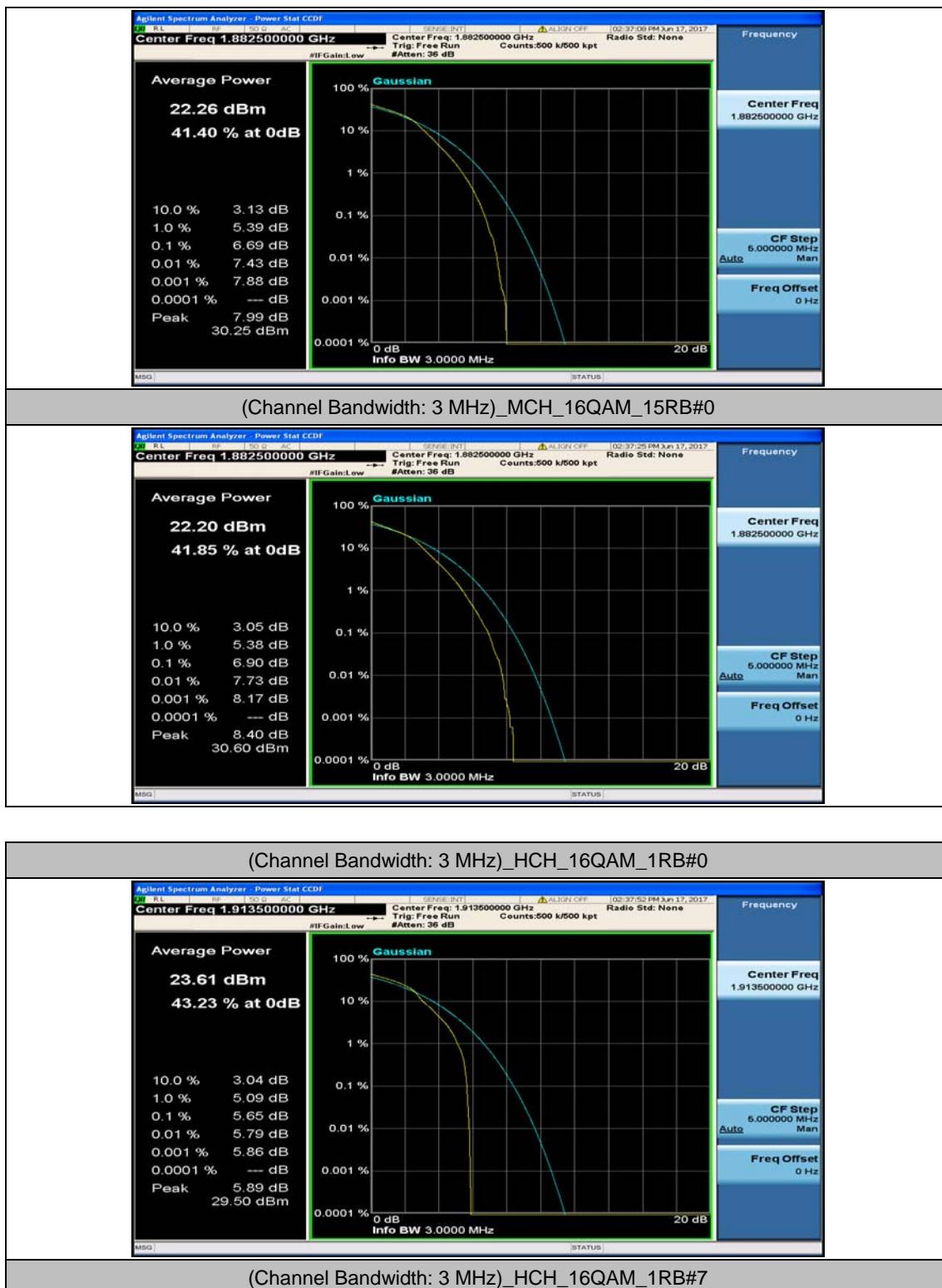


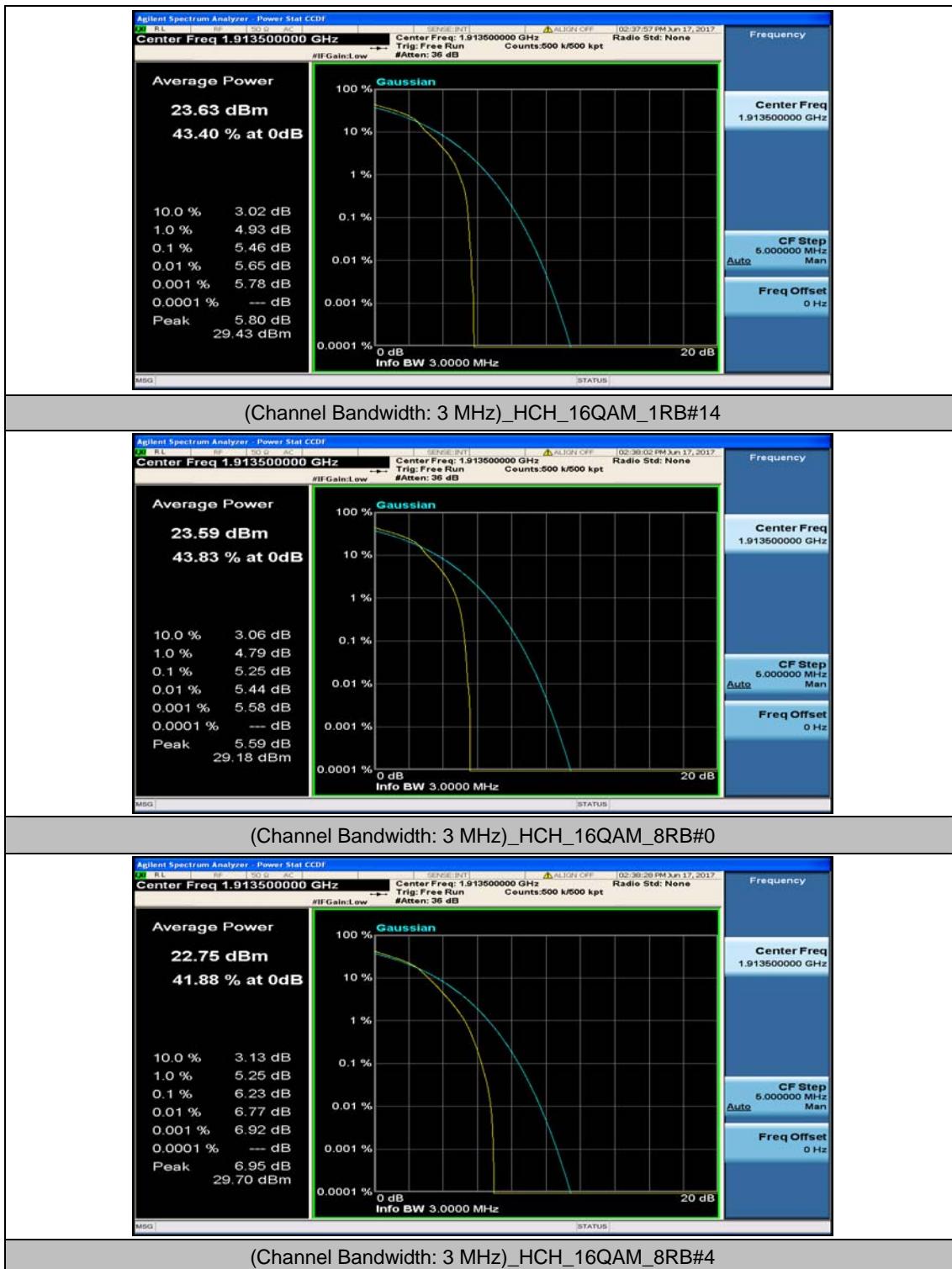


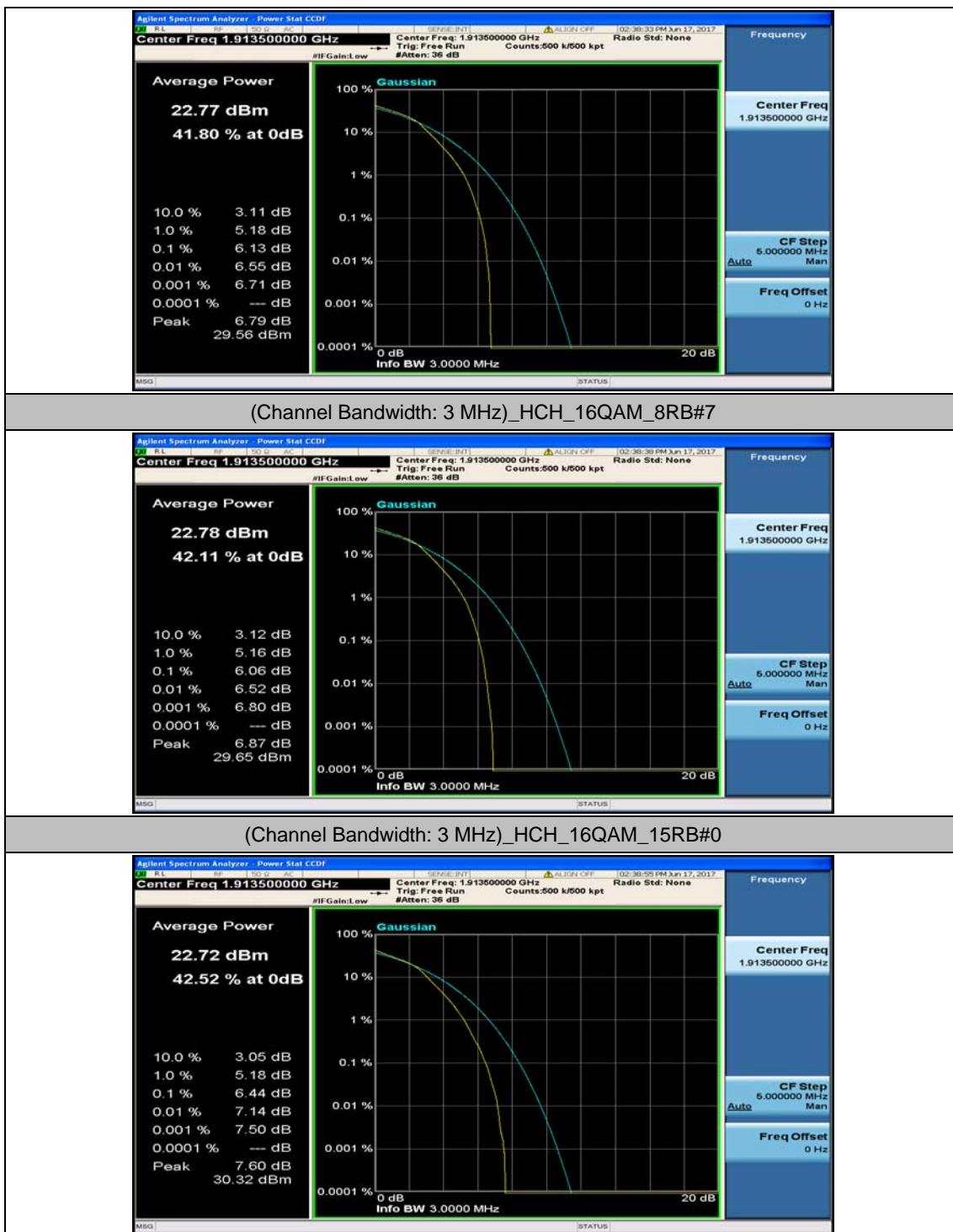






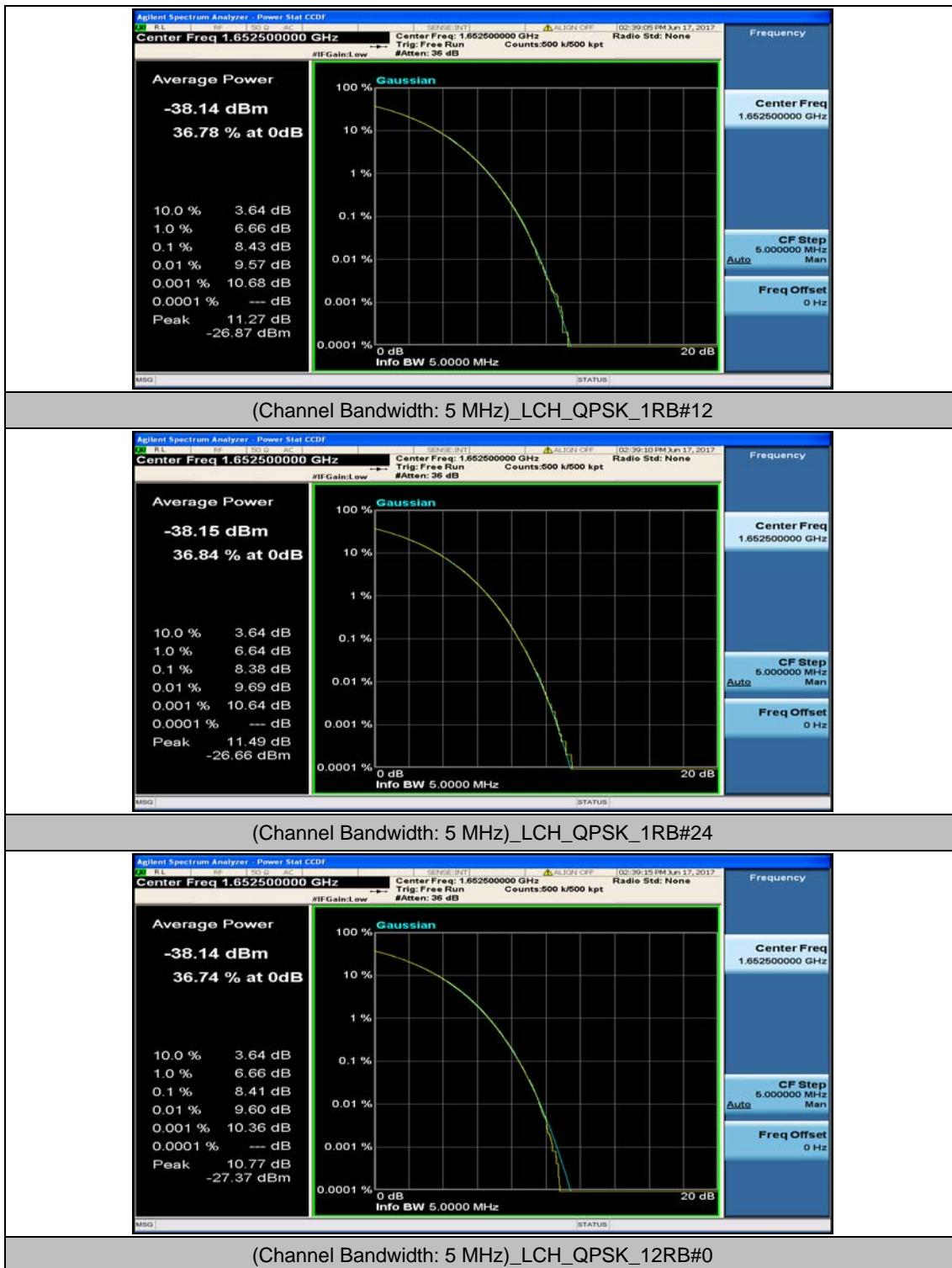


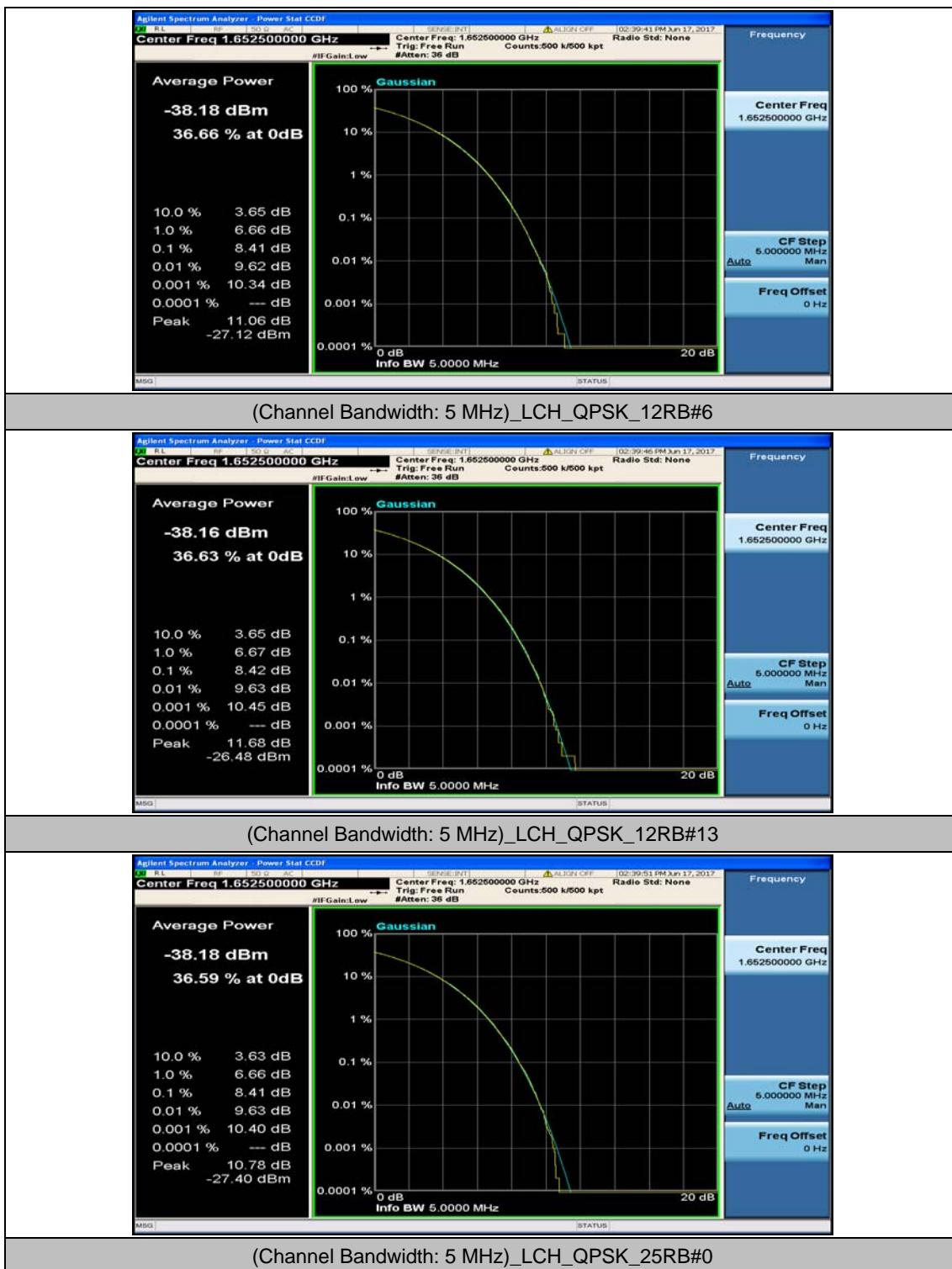


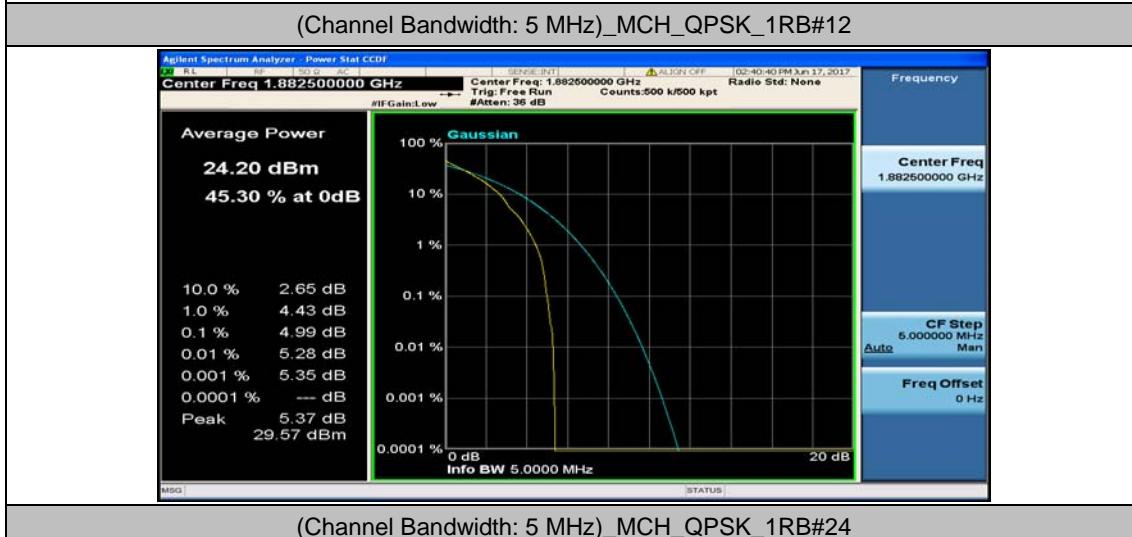
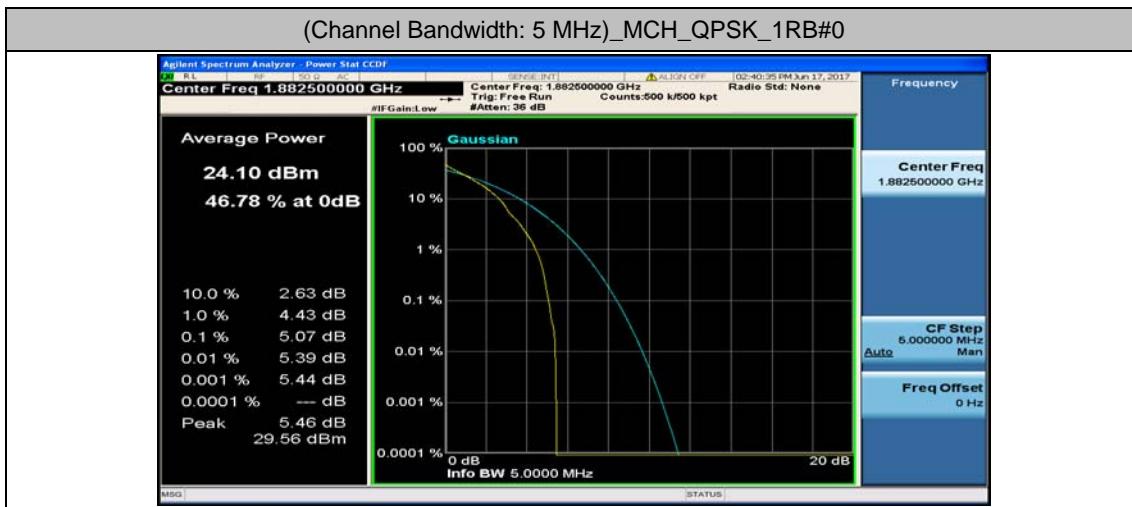
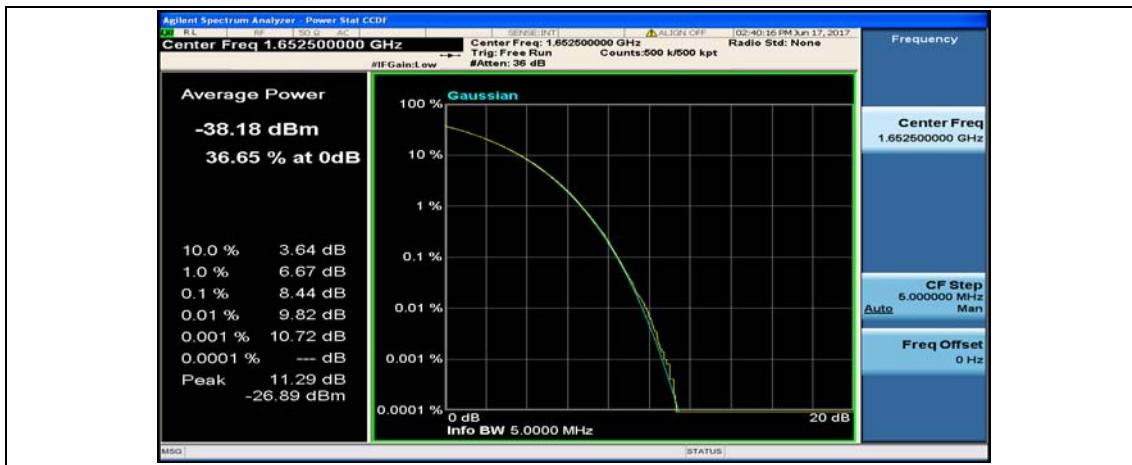


Channel Bandwidth: 5 MHz

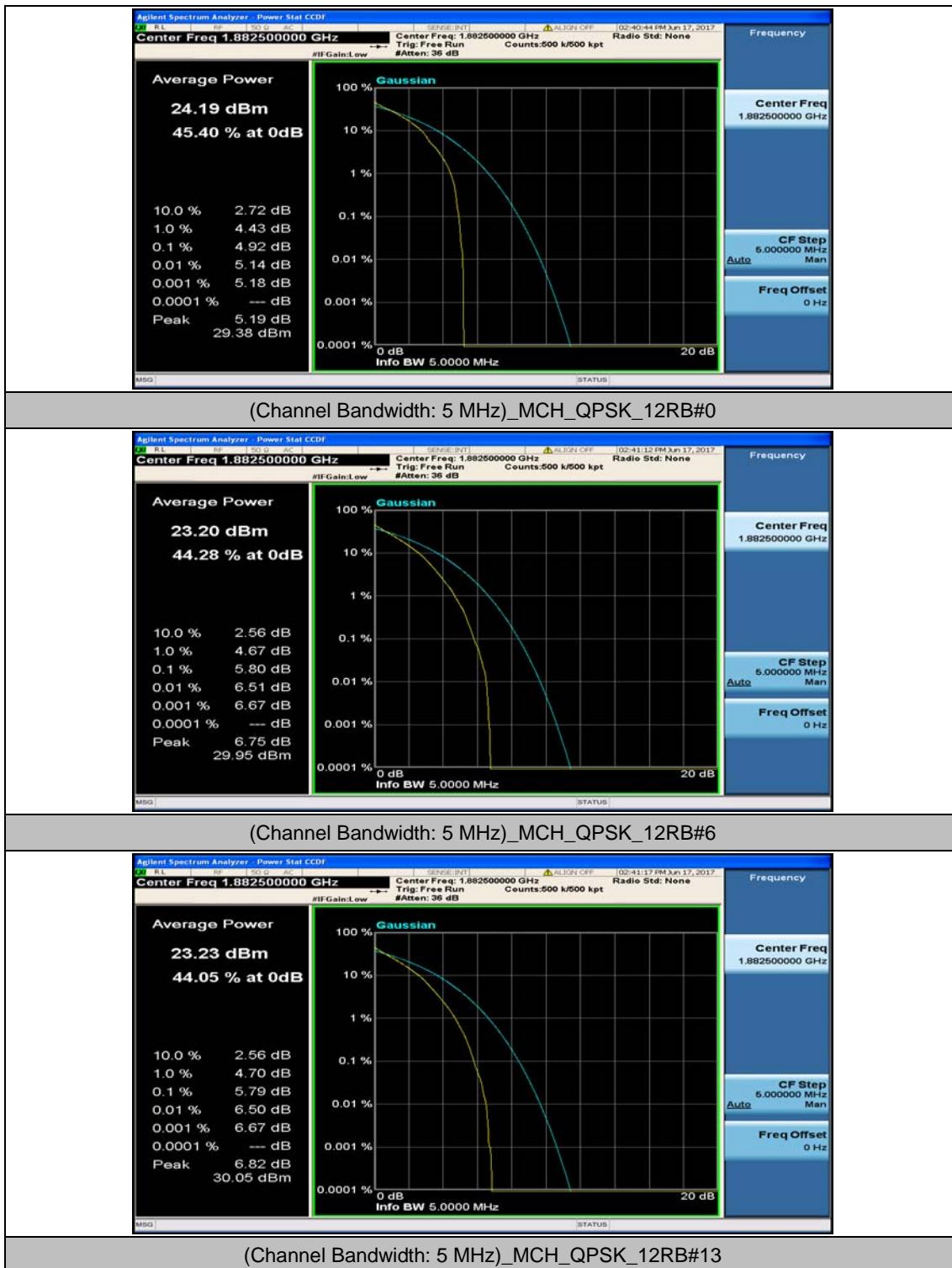
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

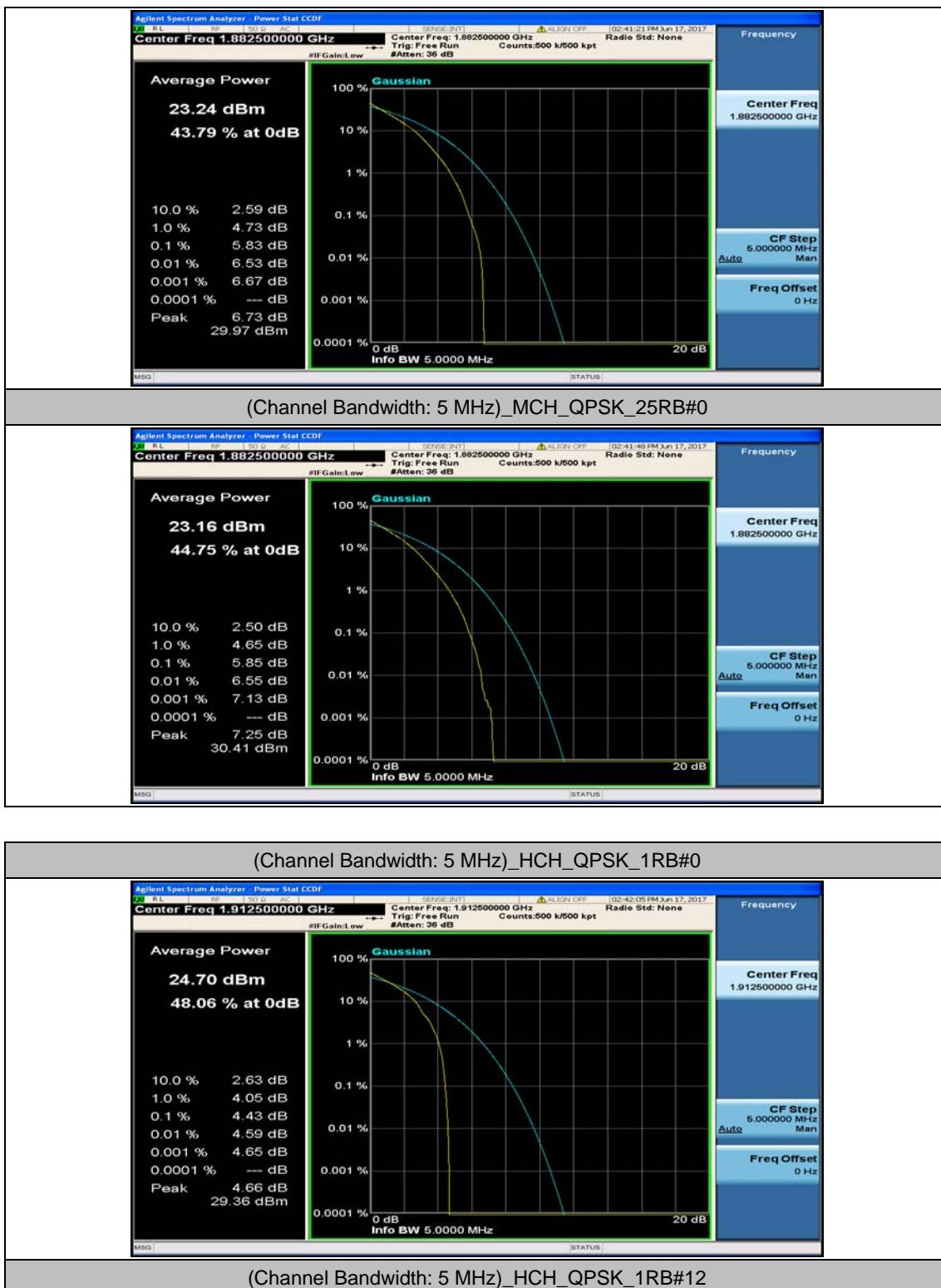


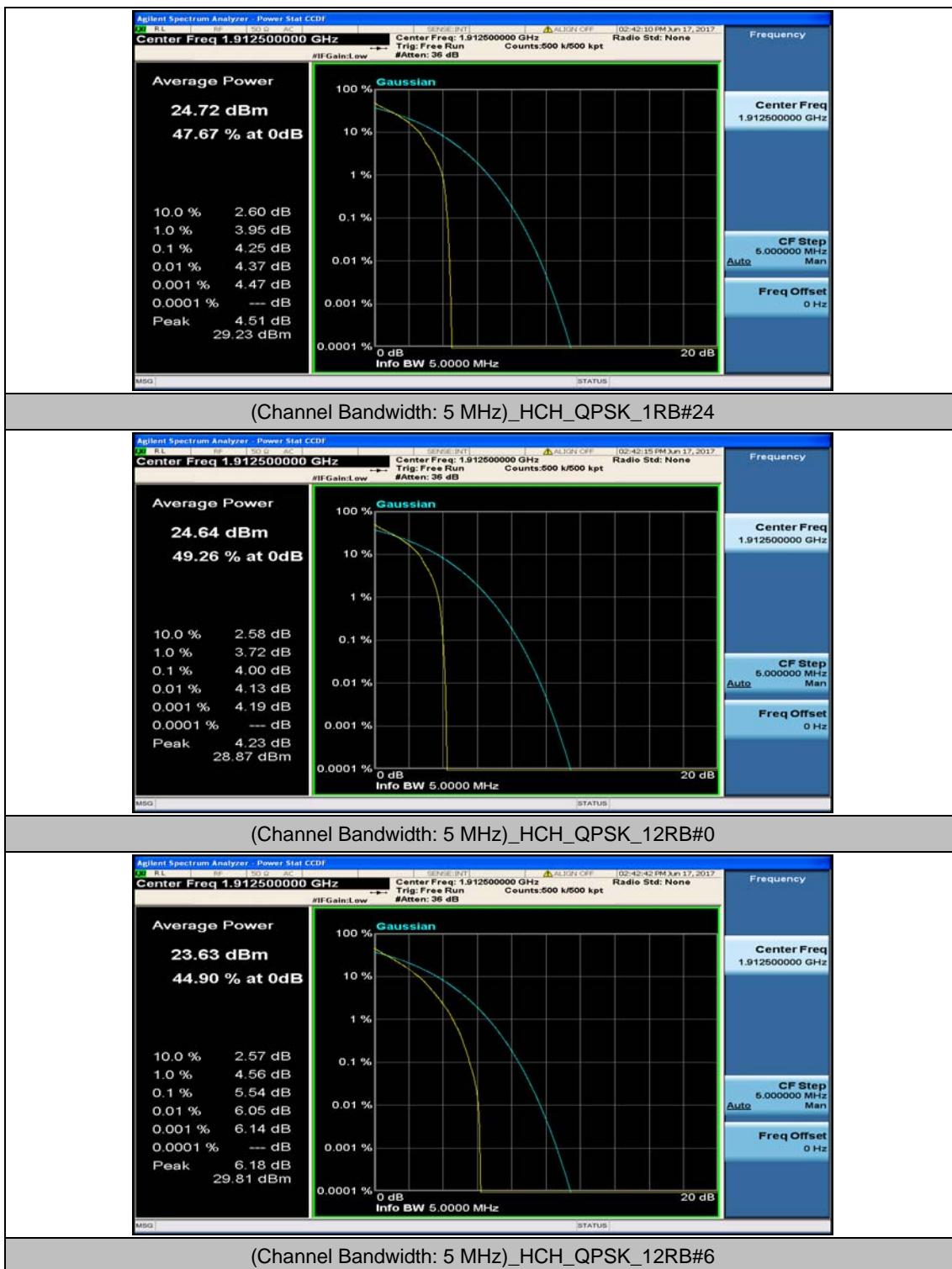


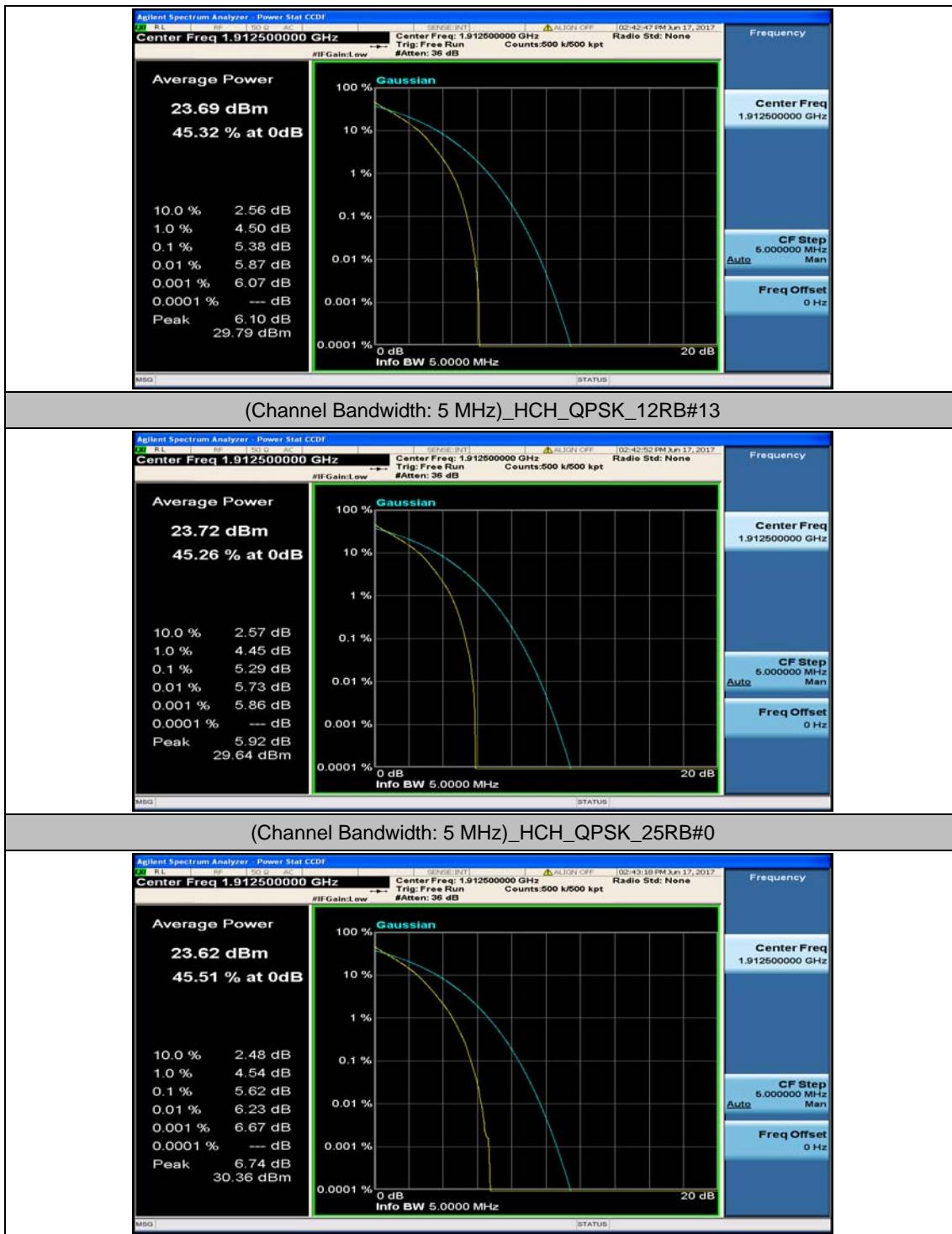


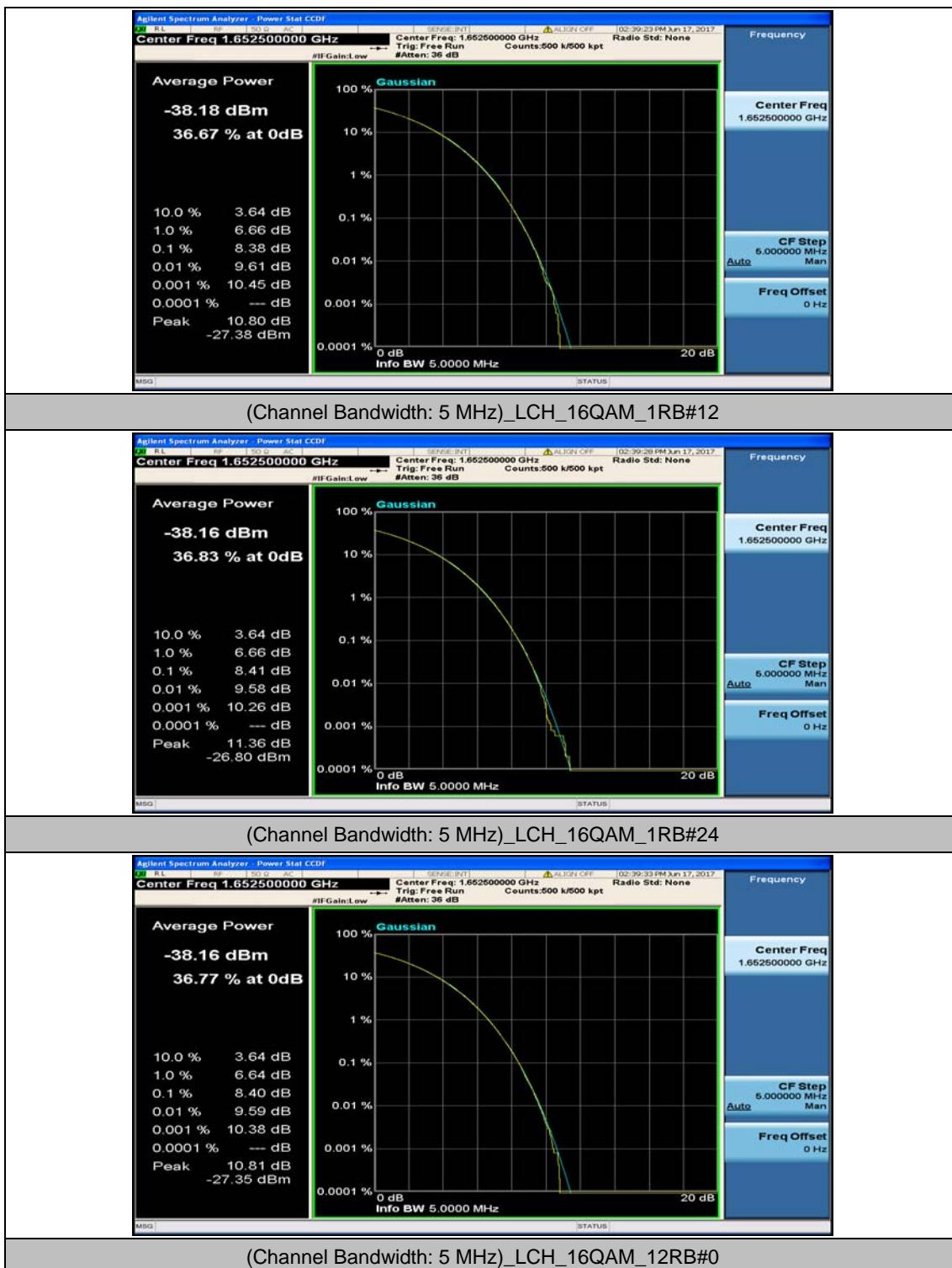
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

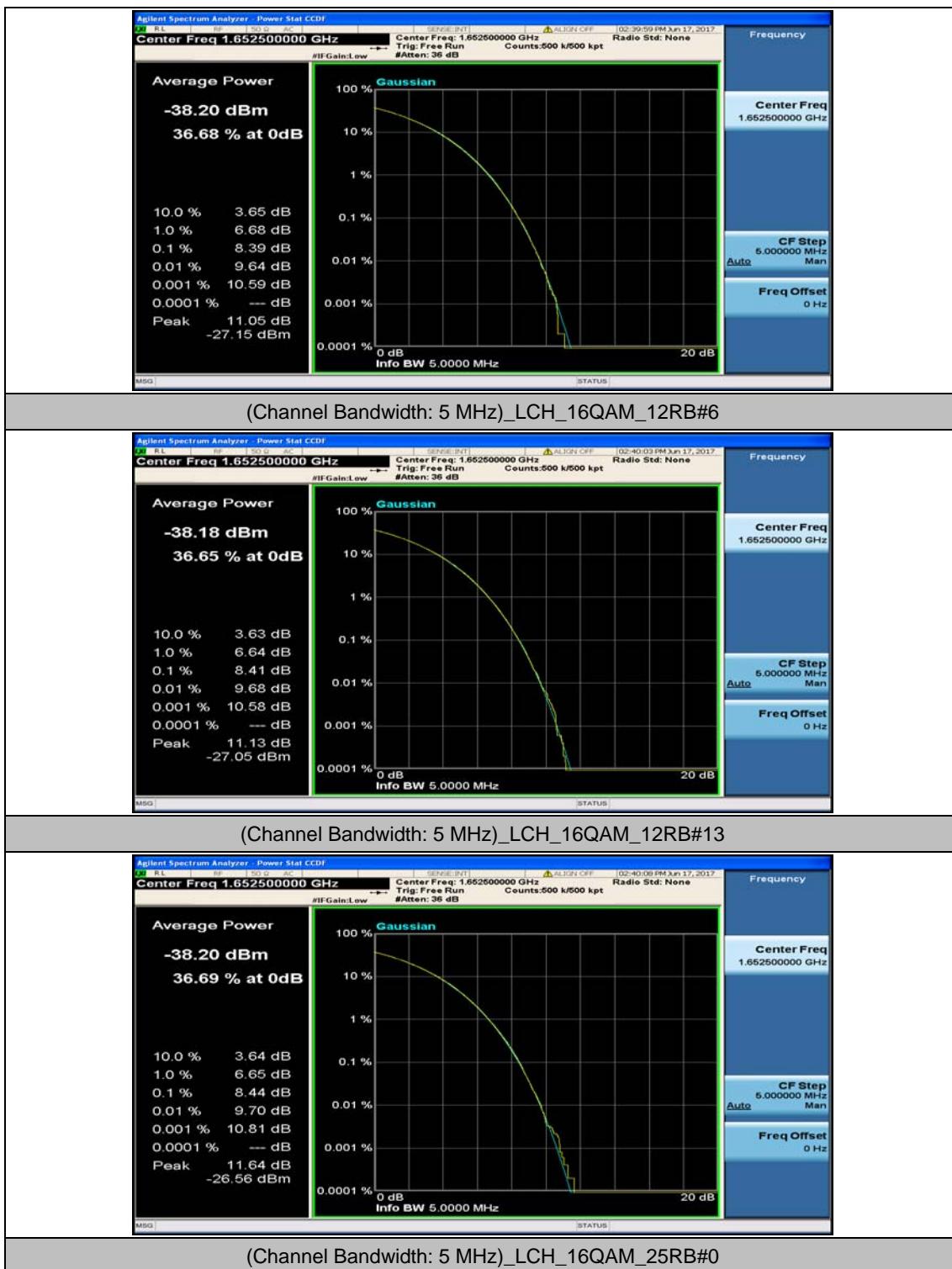


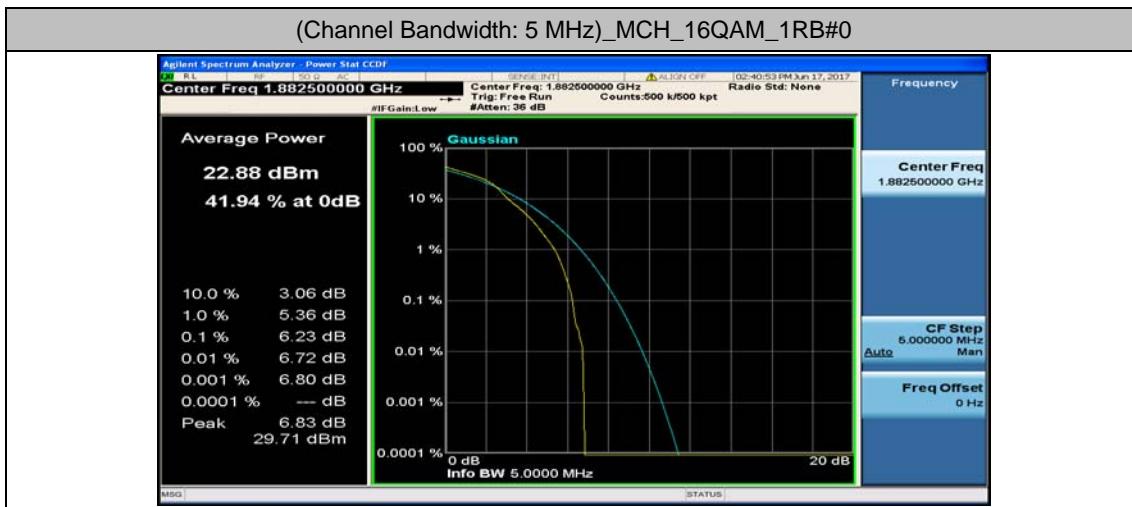
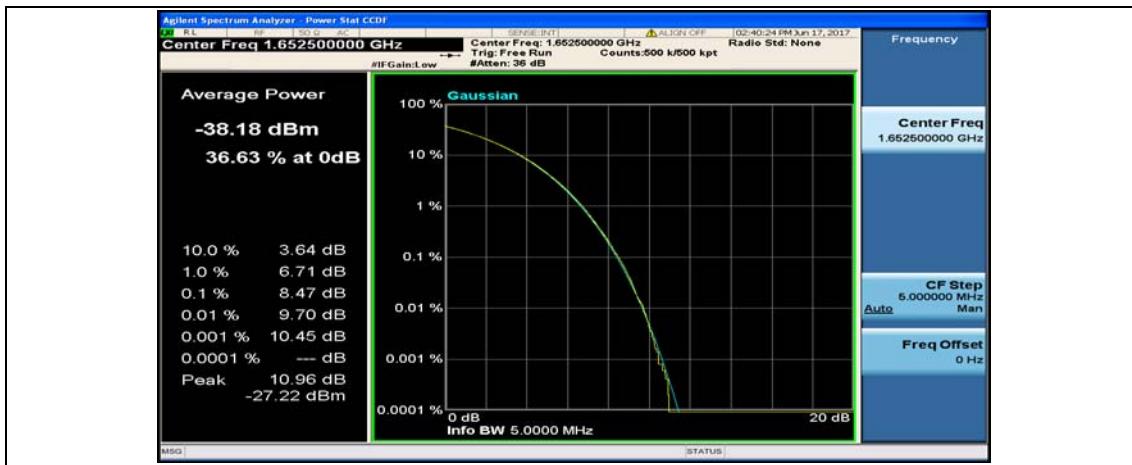












(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

