

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	21.59	PASS
		1	3	21.63	PASS
		1	5	21.57	PASS
		3	0	21.63	PASS
		3	2	21.60	PASS
		3	3	21.61	PASS
		6	0	20.64	PASS
	MCH	1	0	22.88	PASS
		1	3	22.86	PASS
		1	5	23.02	PASS
		3	0	22.76	PASS
		3	2	22.77	PASS
		3	3	22.82	PASS
		6	0	21.96	PASS
16QAM	HCH	1	0	23.93	PASS
		1	3	23.96	PASS
		1	5	23.92	PASS
		3	0	22.76	PASS
		3	2	22.23	PASS
		3	3	23.18	PASS
		6	0	22.95	PASS
	LCH	1	0	20.72	PASS
		1	3	20.86	PASS
		1	5	20.72	PASS
		3	0	20.73	PASS
		3	2	20.66	PASS
		3	3	20.67	PASS
		6	0	20.55	PASS
	MCH	1	0	22.23	PASS
		1	3	22.27	PASS
		1	5	22.30	PASS
		3	0	21.81	PASS
		3	2	21.88	PASS

		3	3	21.95	PASS
		6	0	21.01	PASS
HCH	HCH	1	0	23.02	PASS
		1	3	23.08	PASS
		1	5	22.94	PASS
		3	0	22.90	PASS
		3	2	22.84	PASS
		3	3	22.85	PASS
		6	0	22.00	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.50	PASS
		1	7	21.60	PASS
		1	14	21.57	PASS
		8	0	20.70	PASS
		8	4	20.70	PASS
		8	7	20.73	PASS
		15	0	20.64	PASS
	MCH	1	0	22.28	PASS
		1	7	22.52	PASS
		1	14	22.86	PASS
		8	0	21.59	PASS
		8	4	21.80	PASS
		8	7	21.98	PASS
		15	0	21.77	PASS
	HCH	1	0	24.06	PASS
		1	7	24.04	PASS
		1	14	23.93	PASS
		8	0	23.11	PASS
		8	4	23.08	PASS
		8	7	23.05	PASS
		15	0	22.98	PASS
16QAM	LCH	1	0	20.71	PASS
		1	7	20.81	PASS
		1	14	20.70	PASS
		8	0	20.71	PASS
		8	4	20.70	PASS
		8	7	20.69	PASS
		15	0	20.61	PASS
	MCH	1	0	21.58	PASS

		1	7	21.87	PASS
		1	14	22.20	PASS
		8	0	20.73	PASS
		8	4	20.95	PASS
		8	7	21.12	PASS
		15	0	20.85	PASS
	HCH	1	0	23.23	PASS
		1	7	23.20	PASS
		1	14	23.02	PASS
		8	0	22.02	PASS
		8	4	21.96	PASS
		8	7	21.94	PASS
		15	0	21.94	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.70	PASS
		1	12	21.78	PASS
		1	24	21.76	PASS
		12	0	20.74	PASS
		12	6	20.76	PASS
		12	13	20.78	PASS
		25	0	20.72	PASS
	MCH	1	0	21.77	PASS
		1	12	22.12	PASS
		1	24	23.03	PASS
		12	0	20.86	PASS
		12	6	21.21	PASS
		12	13	21.76	PASS
		25	0	21.30	PASS
	HCH	1	0	23.90	PASS
		1	12	24.11	PASS
		1	24	24.09	PASS
		12	0	23.10	PASS
		12	6	23.09	PASS
		12	13	23.01	PASS
		25	0	23.07	PASS
16QAM	LCH	1	0	20.96	PASS
		1	12	20.99	PASS
		1	24	20.89	PASS
		12	0	20.83	PASS

		12	6	20.83	PASS
		12	13	20.81	PASS
		25	0	20.67	PASS
MCH	MCH	1	0	21.14	PASS
		1	12	21.53	PASS
		1	24	22.40	PASS
		12	0	20.05	PASS
		12	6	20.41	PASS
		12	13	21.00	PASS
		25	0	20.41	PASS
HCH	HCH	1	0	22.95	PASS
		1	12	23.01	PASS
		1	24	22.76	PASS
		12	0	22.17	PASS
		12	6	22.08	PASS
		12	13	21.97	PASS
		25	0	22.04	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.67	PASS
		1	24	21.78	PASS
		1	49	21.83	PASS
		25	0	20.74	PASS
		25	12	20.76	PASS
		25	25	20.77	PASS
		50	0	20.74	PASS
	MCH	1	0	20.41	PASS
		1	24	22.01	PASS
		1	49	23.08	PASS
		25	0	20.26	PASS
		25	12	21.16	PASS
		25	25	22.05	PASS
		50	0	21.27	PASS
	HCH	1	0	22.02	PASS
		1	24	23.38	PASS
		1	49	23.97	PASS
		25	0	21.52	PASS
		25	12	22.34	PASS
		25	25	23.10	PASS
		50	0	22.63	PASS

16QAM	LCH	1	0	20.84	PASS
		1	24	20.86	PASS
		1	49	20.87	PASS
		25	0	20.66	PASS
		25	12	20.68	PASS
		25	25	20.70	PASS
		50	0	20.73	PASS
	MCH	1	0	20.69	PASS
		1	24	21.35	PASS
		1	49	22.50	PASS
		25	0	20.31	PASS
		25	12	20.24	PASS
		25	25	21.15	PASS
		50	0	20.38	PASS
	HCH	1	0	21.47	PASS
		1	24	22.73	PASS
		1	49	23.19	PASS
		25	0	20.55	PASS
		25	12	21.39	PASS
		25	25	22.05	PASS
		50	0	21.78	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.76	PASS
		1	37	22.02	PASS
		1	74	20.27	PASS
		37	0	21.05	PASS
		37	18	21.10	PASS
		37	38	21.06	PASS
		75	0	20.99	PASS
	MCH	1	0	20.95	PASS
		1	37	21.94	PASS
		1	74	23.32	PASS
		37	0	20.65	PASS
		37	18	21.82	PASS
		37	38	22.57	PASS
		75	0	22.15	PASS
	HCH	1	0	23.15	PASS
		1	37	23.25	PASS
		1	74	24.02	PASS

		37	0	22.11	PASS
		37	18	22.52	PASS
		37	38	23.16	PASS
		75	0	22.90	PASS
16QAM	LCH	1	0	20.91	PASS
		1	37	21.04	PASS
		1	74	21.75	PASS
		37	0	21.86	PASS
		37	18	20.91	PASS
		37	38	20.91	PASS
		75	0	20.87	PASS
	MCH	1	0	20.06	PASS
		1	37	22.01	PASS
		1	74	22.59	PASS
		37	0	20.71	PASS
		37	18	20.92	PASS
		37	38	21.38	PASS
		75	0	21.22	PASS
	HCH	1	0	22.58	PASS
		1	37	22.69	PASS
		1	74	23.06	PASS
		37	0	21.11	PASS
		37	18	21.56	PASS
		37	38	22.13	PASS
		75	0	21.96	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.84	PASS
		1	49	21.92	PASS
		1	99	20.37	PASS
		50	0	20.80	PASS
		50	25	20.82	PASS
		50	50	20.57	PASS
		100	0	20.94	PASS
	MCH	1	0	20.56	PASS
		1	49	22.70	PASS
		1	99	23.74	PASS
		50	0	20.38	PASS
		50	25	22.02	PASS
		50	50	22.53	PASS

		100	0	22.25	PASS
HCH	HCH	1	0	23.91	PASS
		1	49	22.83	PASS
		1	99	24.13	PASS
		50	0	23.95	PASS
		50	25	23.90	PASS
		50	50	23.88	PASS
		100	0	23.05	PASS
16QAM	LCH	1	0	20.92	PASS
		1	49	20.93	PASS
		1	99	20.65	PASS
		50	0	20.72	PASS
		50	25	20.77	PASS
		50	50	20.67	PASS
		100	0	20.87	PASS
	MCH	1	0	20.72	PASS
		1	49	21.98	PASS
		1	99	22.99	PASS
		50	0	20.44	PASS
		50	25	21.09	PASS
		50	50	21.39	PASS
		100	0	21.21	PASS
	HCH	1	0	23.23	PASS
		1	49	22.27	PASS
		1	99	23.18	PASS
		50	0	21.92	PASS
		50	25	21.30	PASS
		50	50	22.17	PASS
		100	0	22.04	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	3.45	<13	PASS
		1	3	3.28	<13	PASS
		1	5	3.28	<13	PASS
		3	0	3.41	<13	PASS
		3	2	3.35	<13	PASS
		3	3	3.35	<13	PASS
		6	0	4.32	<13	PASS
	MCH	1	0	2.78	<13	PASS
		1	3	2.79	<13	PASS
		1	5	2.67	<13	PASS
		3	0	3.00	<13	PASS
		3	2	2.95	<13	PASS
		3	3	2.89	<13	PASS
		6	0	3.75	<13	PASS
16QAM	LCH	1	0	2.33	<13	PASS
		1	3	2.03	<13	PASS
		1	5	2.02	<13	PASS
		3	0	2.43	<13	PASS
		3	2	2.35	<13	PASS
		3	3	2.32	<13	PASS
		6	0	3.25	<13	PASS
	MCH	1	0	4.43	<13	PASS
		1	3	4.29	<13	PASS
		1	5	4.34	<13	PASS
		3	0	4.39	<13	PASS
		3	2	4.44	<13	PASS
		3	3	4.36	<13	PASS
		6	0	5.30	<13	PASS

		3	2	3.73	<13	PASS
		3	3	3.68	<13	PASS
		6	0	4.69	<13	PASS
HCH		1	0	3.37	<13	PASS
		1	3	3.19	<13	PASS
		1	5	3.14	<13	PASS
		3	0	3.33	<13	PASS
		3	2	3.27	<13	PASS
		3	3	3.25	<13	PASS
		6	0	4.30	<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	3.46	<13	PASS
		1	7	3.18	<13	PASS
		1	14	2.93	<13	PASS
		8	0	4.28	<13	PASS
		8	4	4.09	<13	PASS
		8	7	3.98	<13	PASS
		15	0	4.24	<13	PASS
	MCH	1	0	3.16	<13	PASS
		1	7	2.83	<13	PASS
		1	14	2.48	<13	PASS
		8	0	4.01	<13	PASS
		8	4	3.80	<13	PASS
		8	7	3.57	<13	PASS
		15	0	3.87	<13	PASS
	HCH	1	0	2.59	<13	PASS
		1	7	2.28	<13	PASS
		1	14	1.97	<13	PASS
		8	0	3.69	<13	PASS
		8	4	3.46	<13	PASS
		8	7	3.35	<13	PASS
		15	0	3.68	<13	PASS
16QAM	LCH	1	0	4.33	<13	PASS
		1	7	4.14	<13	PASS
		1	14	3.89	<13	PASS
		8	0	5.14	<13	PASS
		8	4	4.98	<13	PASS

		8	7	4.89	<13	PASS
		15	0	5.20	<13	PASS
MCH		1	0	3.96	<13	PASS
		1	7	3.65	<13	PASS
		1	14	3.38	<13	PASS
		8	0	4.80	<13	PASS
		8	4	4.65	<13	PASS
		8	7	4.51	<13	PASS
		15	0	4.87	<13	PASS
HCH		1	0	3.72	<13	PASS
		1	7	3.54	<13	PASS
		1	14	3.18	<13	PASS
		8	0	4.62	<13	PASS
		8	4	4.48	<13	PASS
		8	7	4.31	<13	PASS
		15	0	4.64	<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	3.26	<13	PASS
		1	12	2.83	<13	PASS
		1	24	2.58	<13	PASS
		12	0	4.25	<13	PASS
		12	6	3.98	<13	PASS
		12	13	3.80	<13	PASS
		25	0	4.09	<13	PASS
	MCH	1	0	3.57	<13	PASS
		1	12	3.05	<13	PASS
		1	24	2.15	<13	PASS
		12	0	4.61	<13	PASS
		12	6	4.16	<13	PASS
		12	13	3.66	<13	PASS
		25	0	4.20	<13	PASS
	HCH	1	0	2.86	<13	PASS
		1	12	2.47	<13	PASS
		1	24	2.03	<13	PASS
		12	0	4.05	<13	PASS
		12	6	3.82	<13	PASS
		12	13	3.53	<13	PASS

		25	0	3.94	<13	PASS
16QAM	LCH	1	0	4.38	<13	PASS
		1	12	3.90	<13	PASS
		1	24	3.68	<13	PASS
		12	0	5.09	<13	PASS
		12	6	4.91	<13	PASS
		12	13	4.78	<13	PASS
		25	0	5.02	<13	PASS
	MCH	1	0	4.51	<13	PASS
		1	12	3.94	<13	PASS
		1	24	3.32	<13	PASS
		12	0	5.42	<13	PASS
		12	6	5.00	<13	PASS
		12	13	4.57	<13	PASS
		25	0	5.00	<13	PASS
	HCH	1	0	3.71	<13	PASS
		1	12	3.47	<13	PASS
		1	24	3.06	<13	PASS
		12	0	5.04	<13	PASS
		12	6	4.84	<13	PASS
		12	13	4.59	<13	PASS
		25	0	4.93	<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	3.28	<13	PASS
		1	24	2.53	<13	PASS
		1	49	2.30	<13	PASS
		25	0	4.03	<13	PASS
		25	12	3.69	<13	PASS
		25	25	3.50	<13	PASS
		50	0	3.88	<13	PASS
	MCH	1	0	4.58	<13	PASS
		1	24	3.11	<13	PASS
		1	49	1.90	<13	PASS
		25	0	5.00	<13	PASS
		25	12	4.22	<13	PASS
		25	25	3.47	<13	PASS
		50	0	4.08	<13	PASS

		1	0	3.96	<13	PASS
		1	24	3.17	<13	PASS
		1	49	2.04	<13	PASS
	HCH	25	0	4.95	<13	PASS
		25	12	4.32	<13	PASS
		25	25	3.94	<13	PASS
		50	0	4.23	<13	PASS
16QAM	LCH	1	0	4.27	<13	PASS
		1	24	3.63	<13	PASS
		1	49	3.35	<13	PASS
		25	0	4.95	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.50	<13	PASS
		50	0	4.78	<13	PASS
	MCH	1	0	5.46	<13	PASS
		1	24	3.86	<13	PASS
		1	49	2.93	<13	PASS
		25	0	5.86	<13	PASS
		25	12	5.08	<13	PASS
		25	25	4.45	<13	PASS
		50	0	4.93	<13	PASS
	HCH	1	0	4.79	<13	PASS
		1	24	4.09	<13	PASS
		1	49	3.22	<13	PASS
		25	0	5.86	<13	PASS
		25	12	5.18	<13	PASS
		25	25	4.95	<13	PASS
		50	0	5.16	<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	3.22	<13	PASS
		1	37	2.23	<13	PASS
		1	74	3.41	<13	PASS
		37	0	3.69	<13	PASS
		37	18	3.36	<13	PASS
		37	38	3.43	<13	PASS
		75	0	4.17	<13	PASS
	MCH	1	0	4.68	<13	PASS

	16QAM	HCH	1	37	3.05	<13	PASS
			1	74	1.40	<13	PASS
			37	0	5.20	<13	PASS
			37	18	4.25	<13	PASS
			37	38	2.97	<13	PASS
			75	0	4.25	<13	PASS
		LCH	1	0	2.52	<13	PASS
			1	37	3.92	<13	PASS
			1	74	2.16	<13	PASS
			37	0	4.60	<13	PASS
			37	18	4.88	<13	PASS
			37	38	4.12	<13	PASS
			75	0	4.67	<13	PASS
		MCH	1	0	4.16	<13	PASS
			1	37	3.31	<13	PASS
			1	74	4.24	<13	PASS
			37	0	4.70	<13	PASS
			37	18	4.42	<13	PASS
			37	38	4.47	<13	PASS
			75	0	4.99	<13	PASS
		HCH	1	0	5.57	<13	PASS
			1	37	3.89	<13	PASS
			1	74	2.39	<13	PASS
			37	0	6.04	<13	PASS
			37	18	5.11	<13	PASS
			37	38	4.10	<13	PASS
			75	0	4.97	<13	PASS

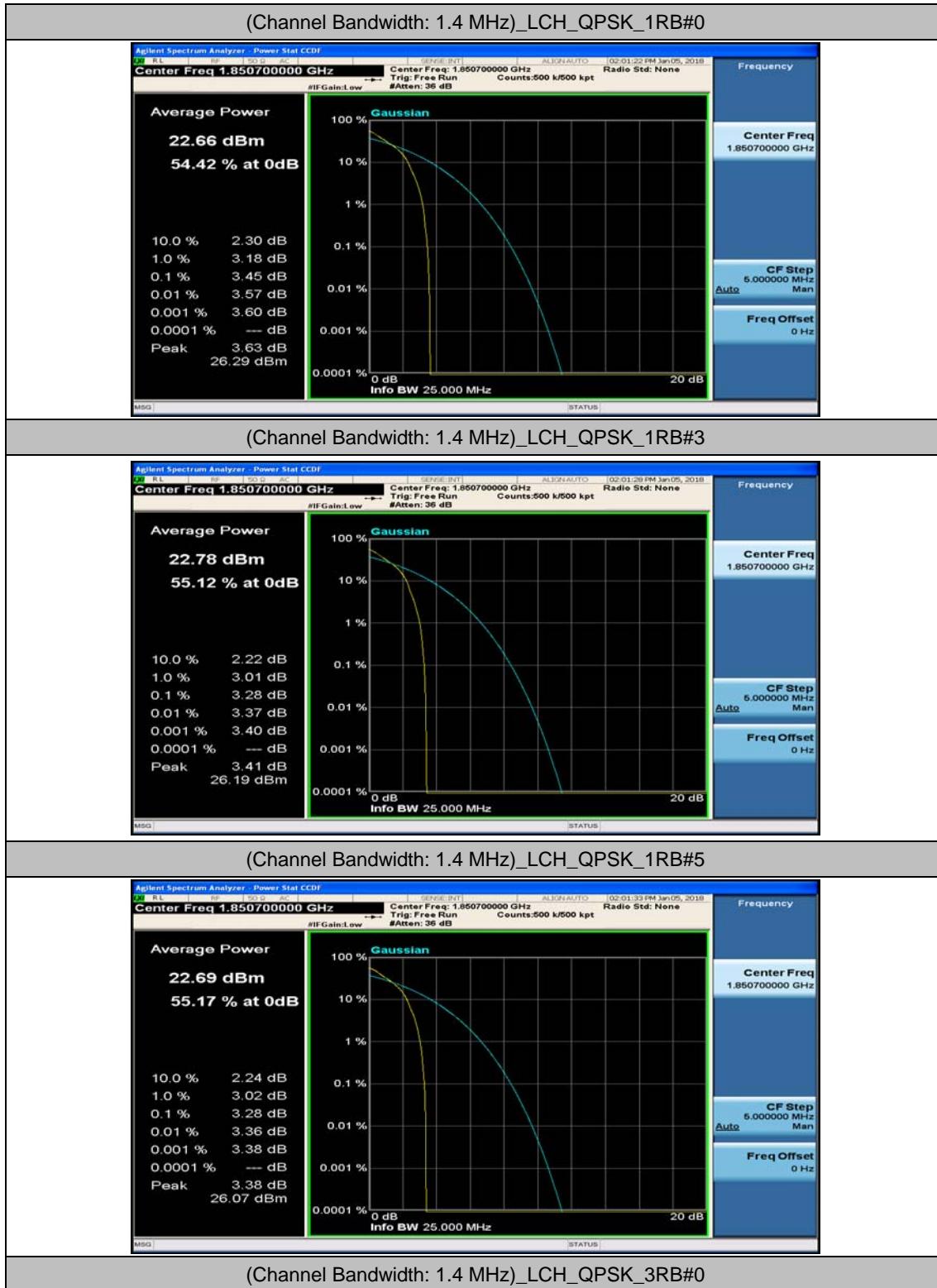
Channel Bandwidth: 20 MHz

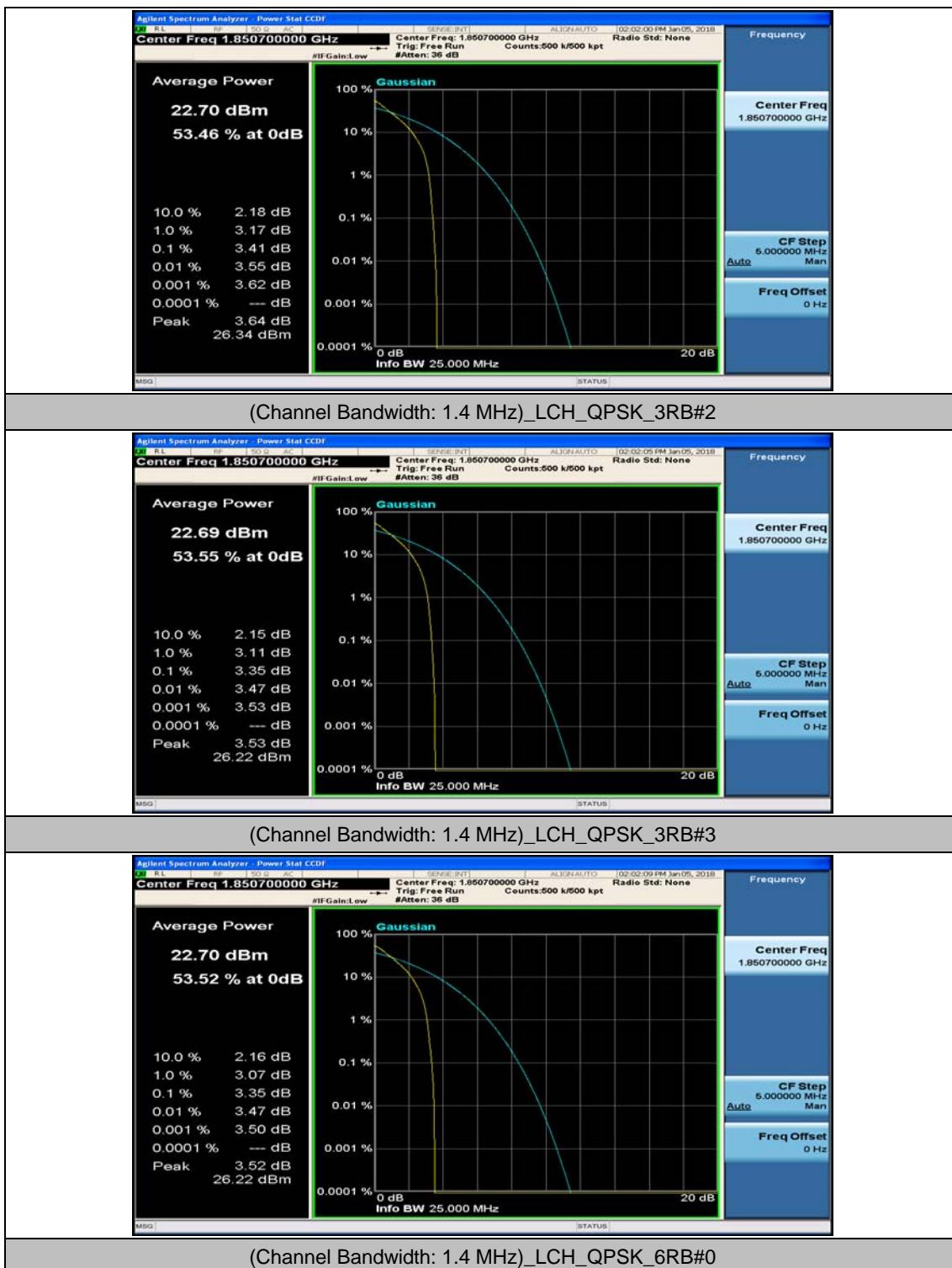
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.16	<13	PASS
		1	49	2.27	<13	PASS

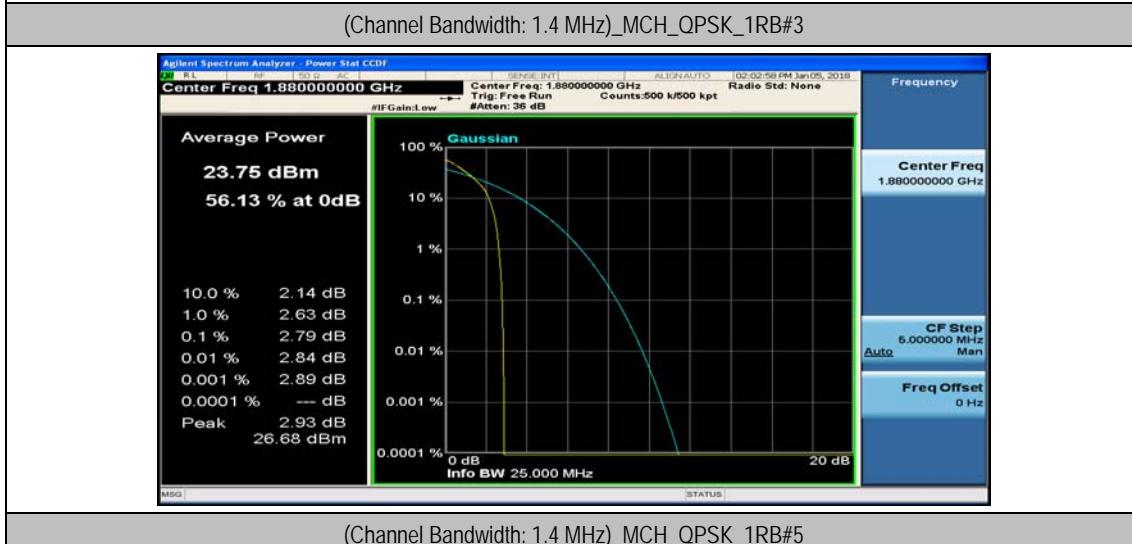
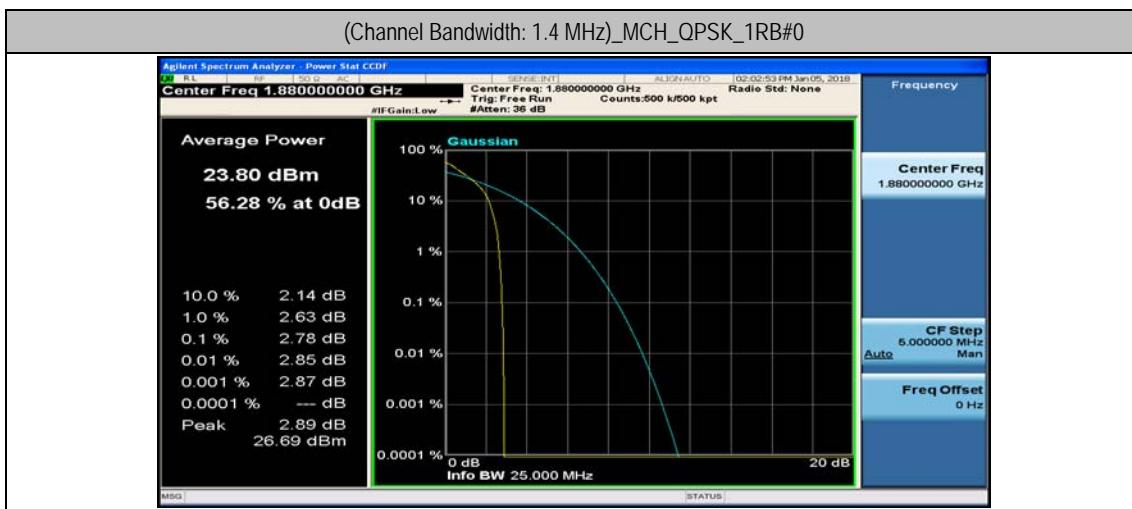
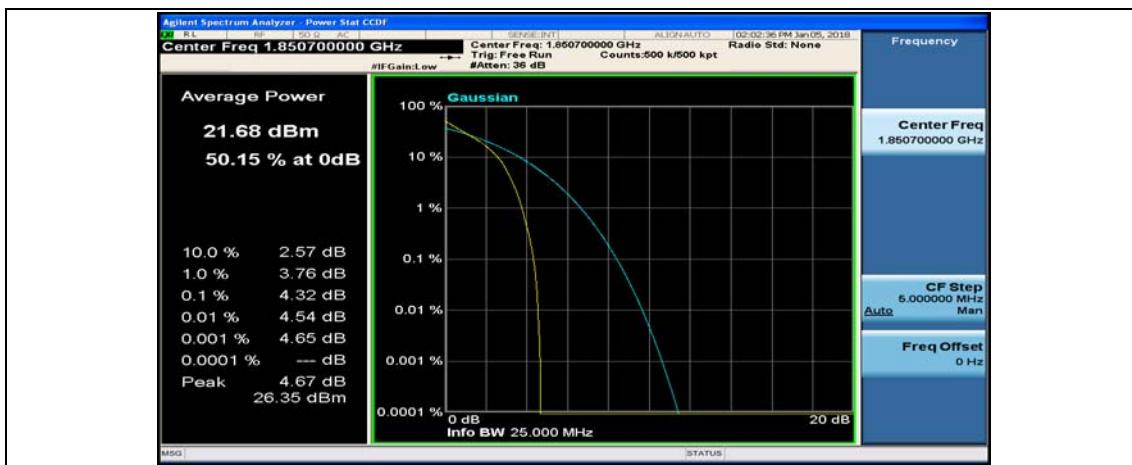
		1	99	4.52	<13	PASS
		50	0	3.85	<13	PASS
		50	25	3.63	<13	PASS
		50	50	4.38	<13	PASS
		100	0	4.41	<13	PASS
	MCH	1	0	4.54	<13	PASS
		1	49	3.15	<13	PASS
		1	99	1.40	<13	PASS
		50	0	5.33	<13	PASS
		50	25	4.06	<13	PASS
		50	50	3.23	<13	PASS
		100	0	4.33	<13	PASS
	HCH	1	0	1.34	<13	PASS
		1	49	3.81	<13	PASS
		1	99	2.27	<13	PASS
		50	0	3.57	<13	PASS
		50	25	4.77	<13	PASS
		50	50	4.45	<13	PASS
		100	0	4.63	<13	PASS
16QAM	LCH	1	0	4.02	<13	PASS
		1	49	3.22	<13	PASS
		1	99	5.26	<13	PASS
		50	0	4.79	<13	PASS
		50	25	4.52	<13	PASS
		50	50	5.18	<13	PASS
		100	0	5.19	<13	PASS
	MCH	1	0	5.40	<13	PASS
		1	49	3.77	<13	PASS
		1	99	2.05	<13	PASS
		50	0	6.16	<13	PASS
		50	25	4.93	<13	PASS
		50	50	4.19	<13	PASS
		100	0	5.07	<13	PASS
	HCH	1	0	2.02	<13	PASS
		1	49	4.53	<13	PASS
		1	99	3.26	<13	PASS
		50	0	4.32	<13	PASS
		50	25	5.66	<13	PASS
		50	50	5.35	<13	PASS
		100	0	5.38	<13	PASS

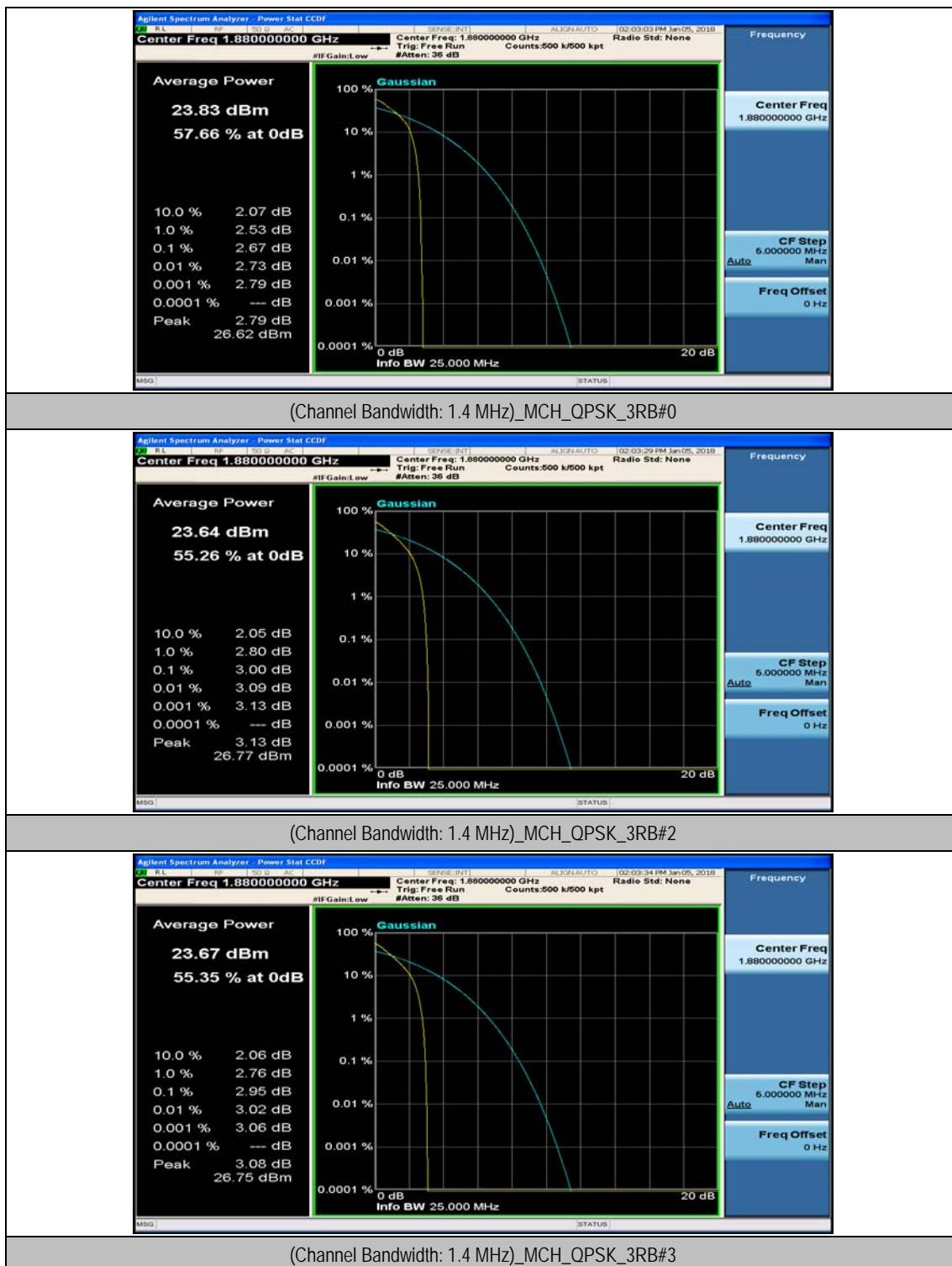
Test Graphs

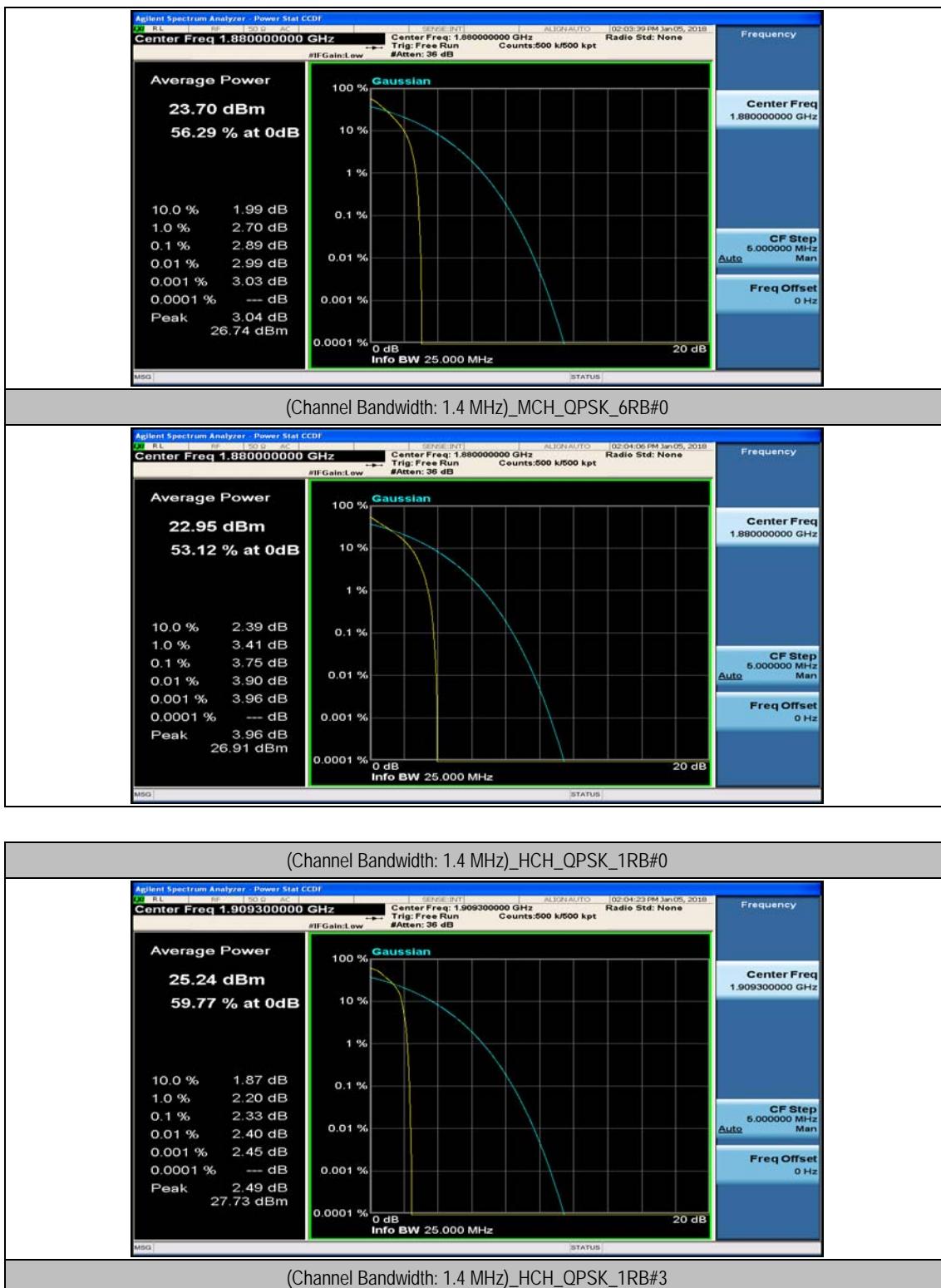
Channel Bandwidth: 1.4 MHz

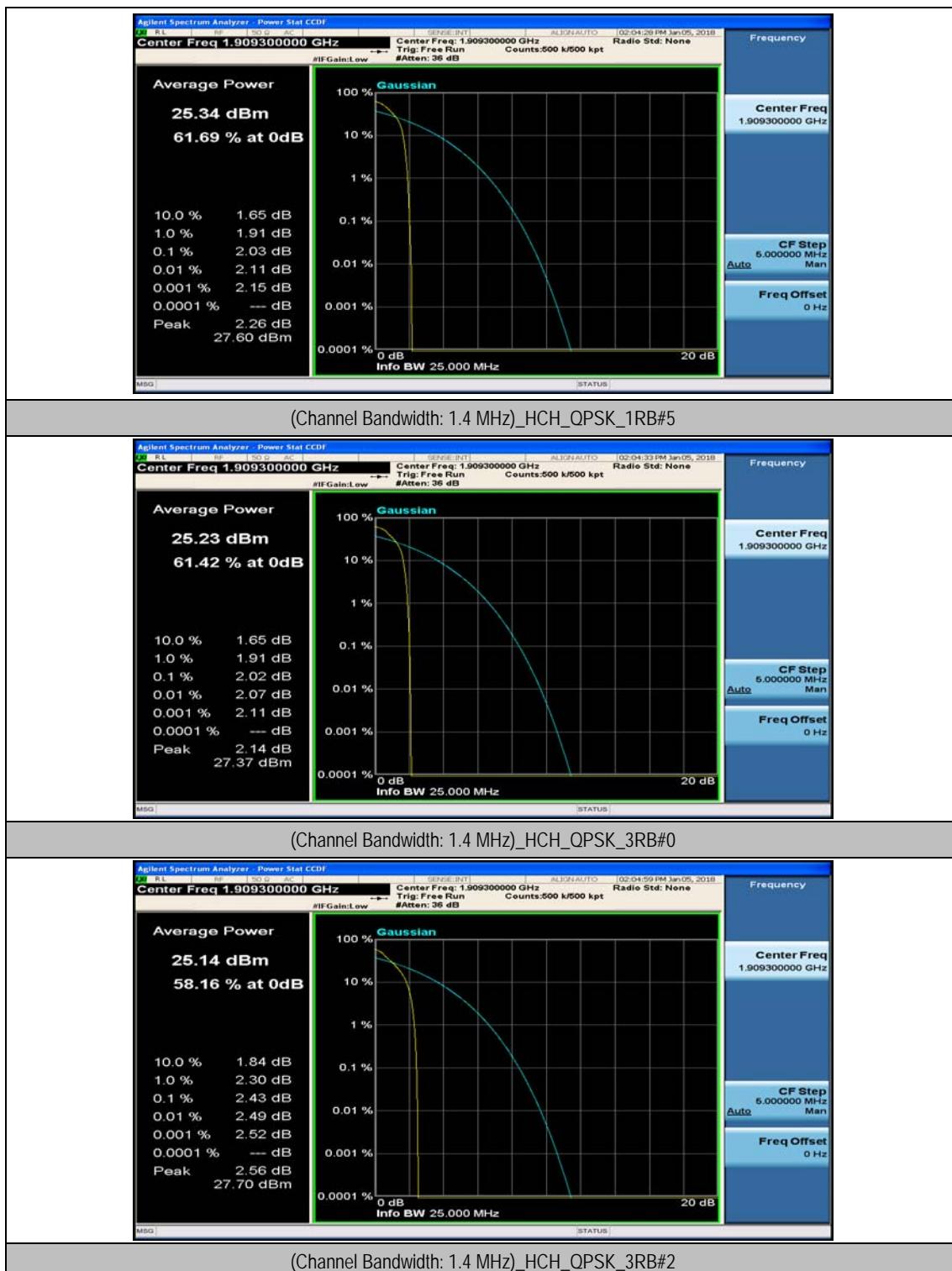


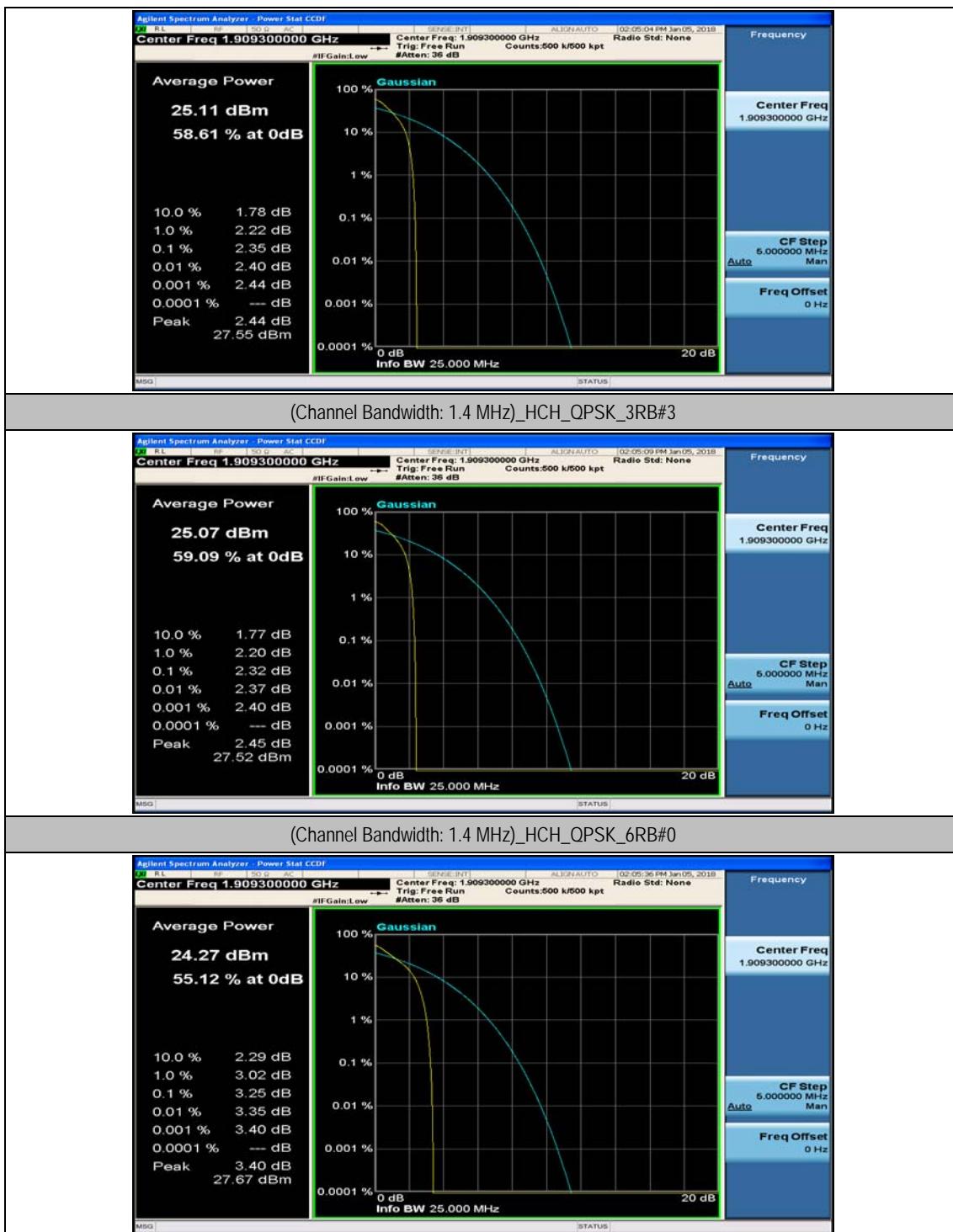


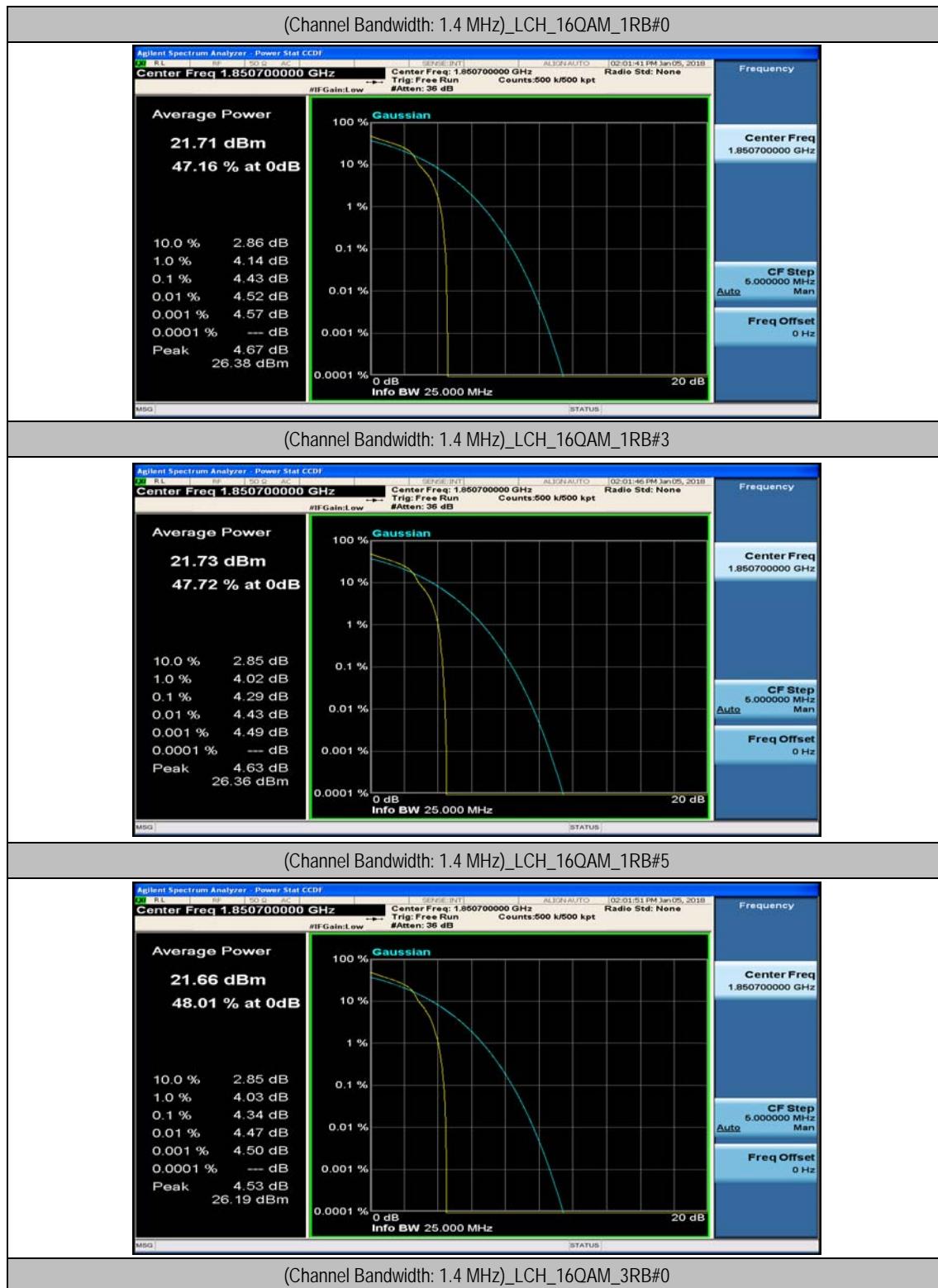


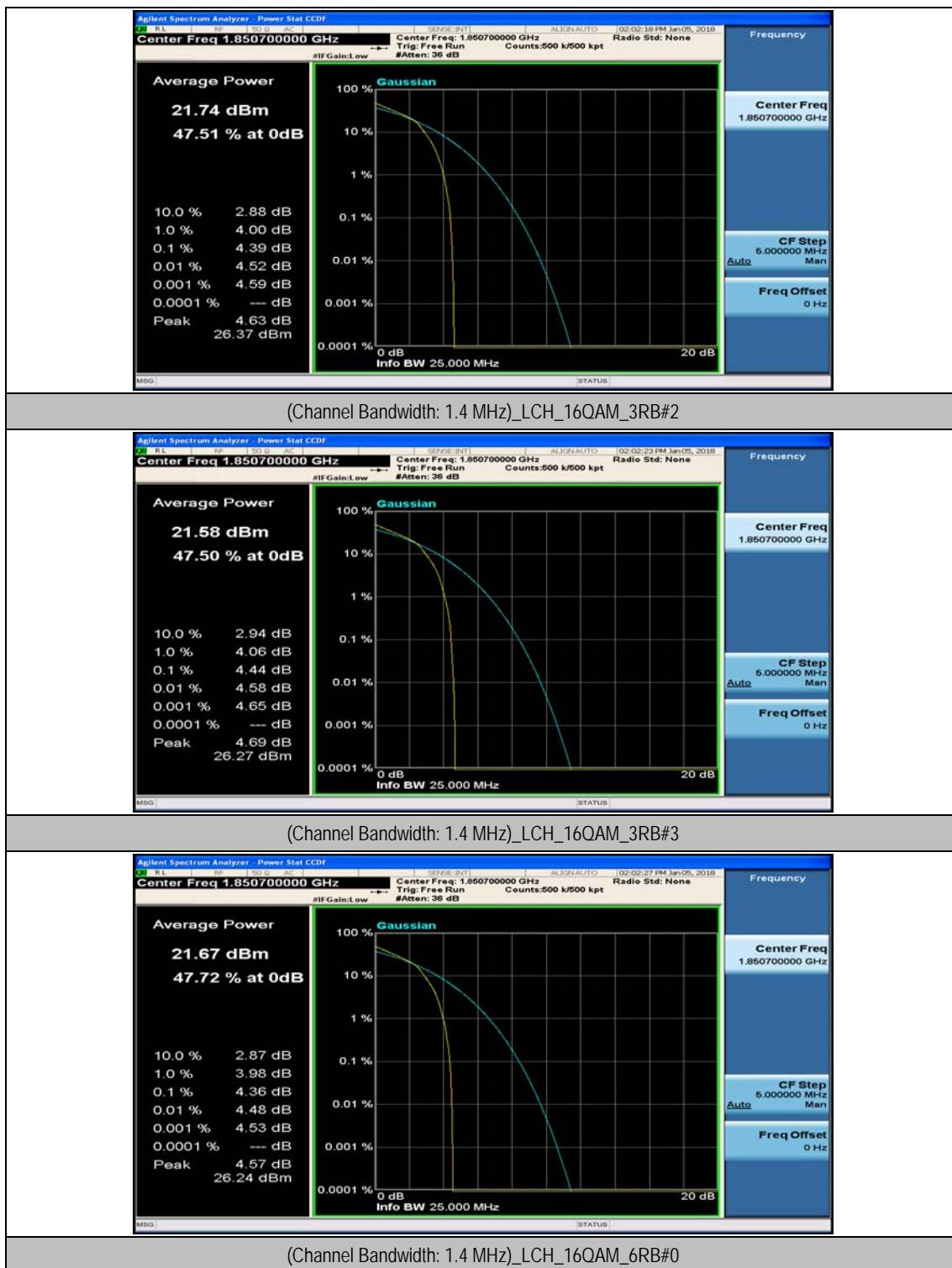


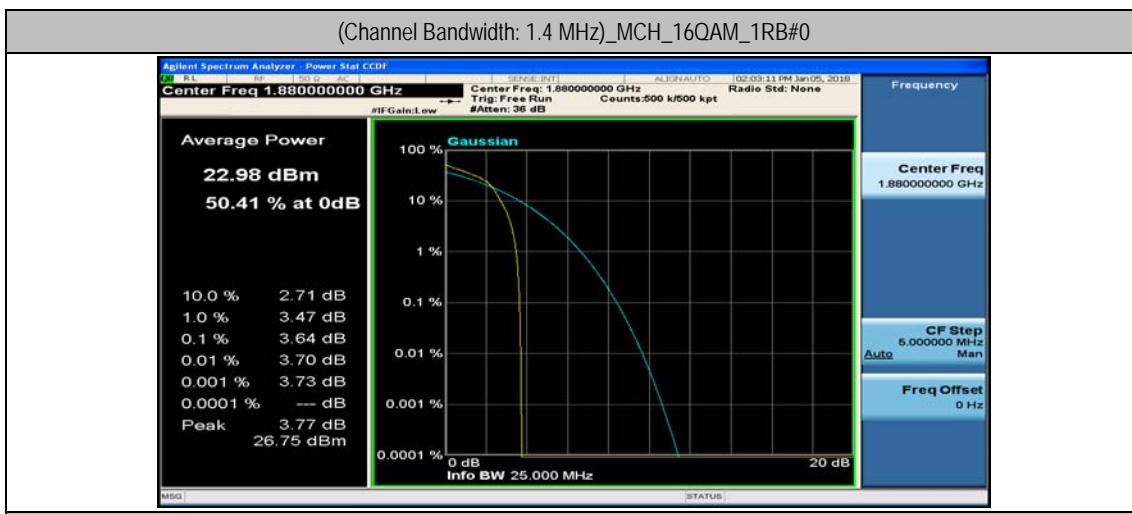


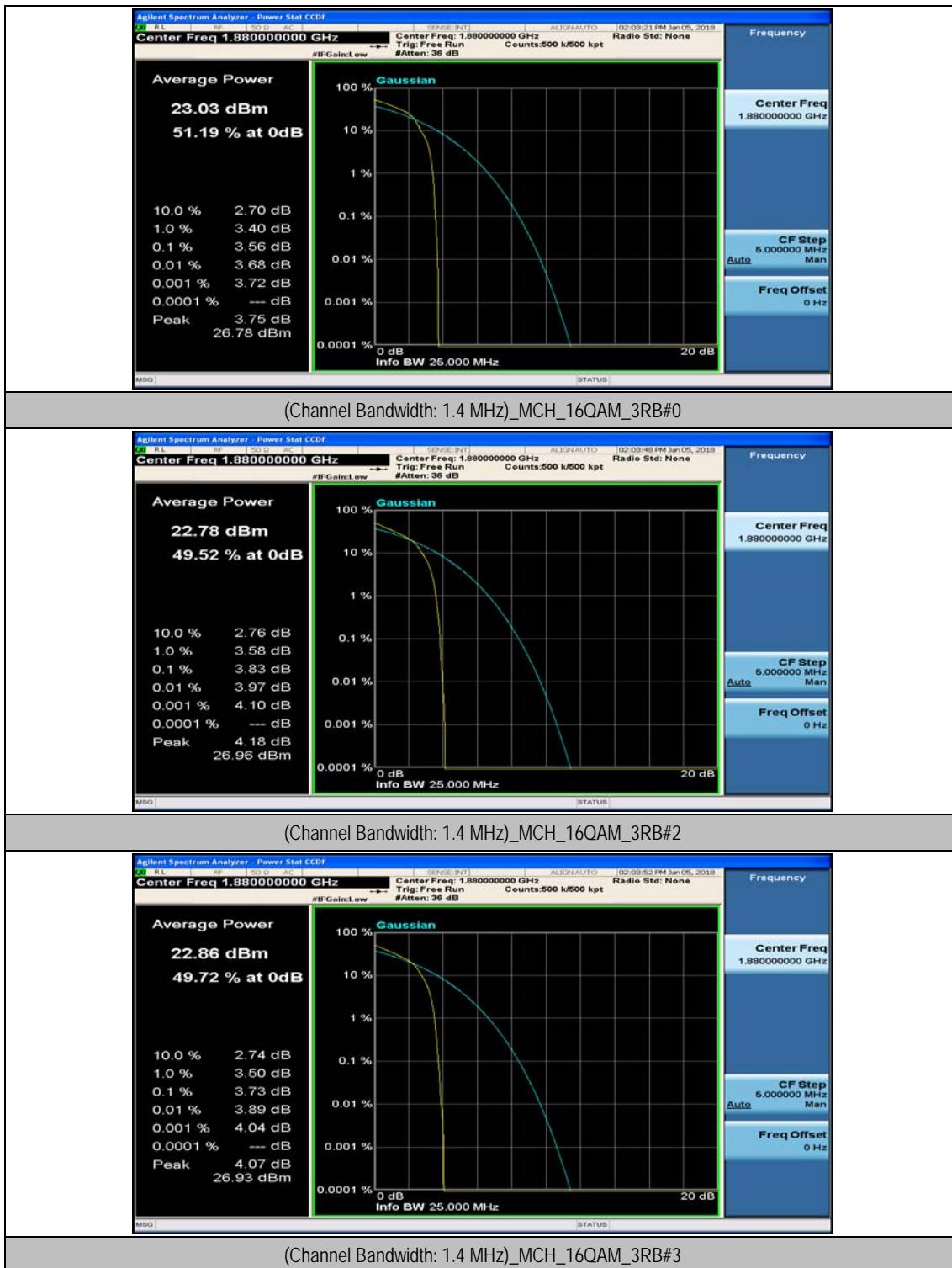


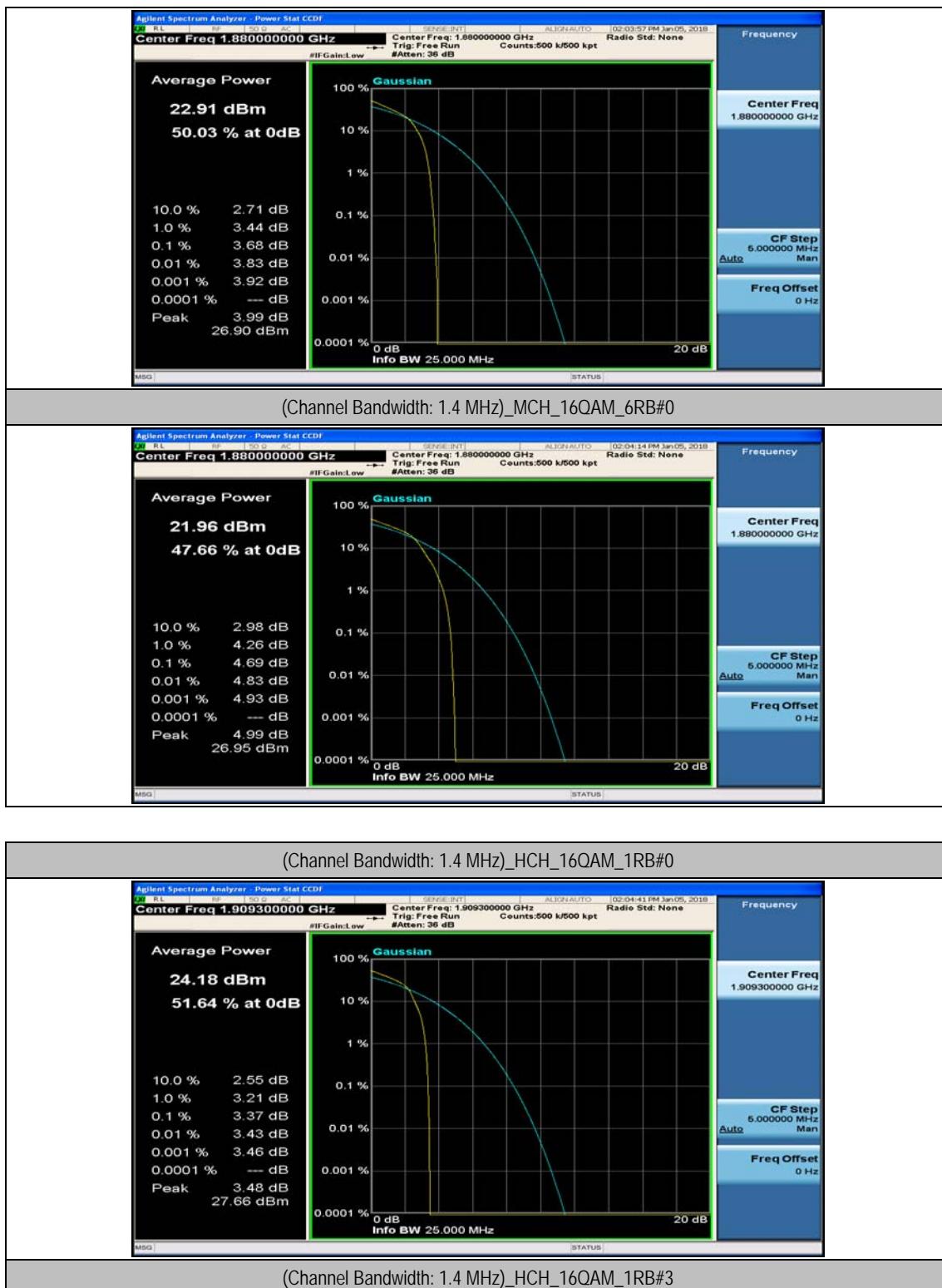


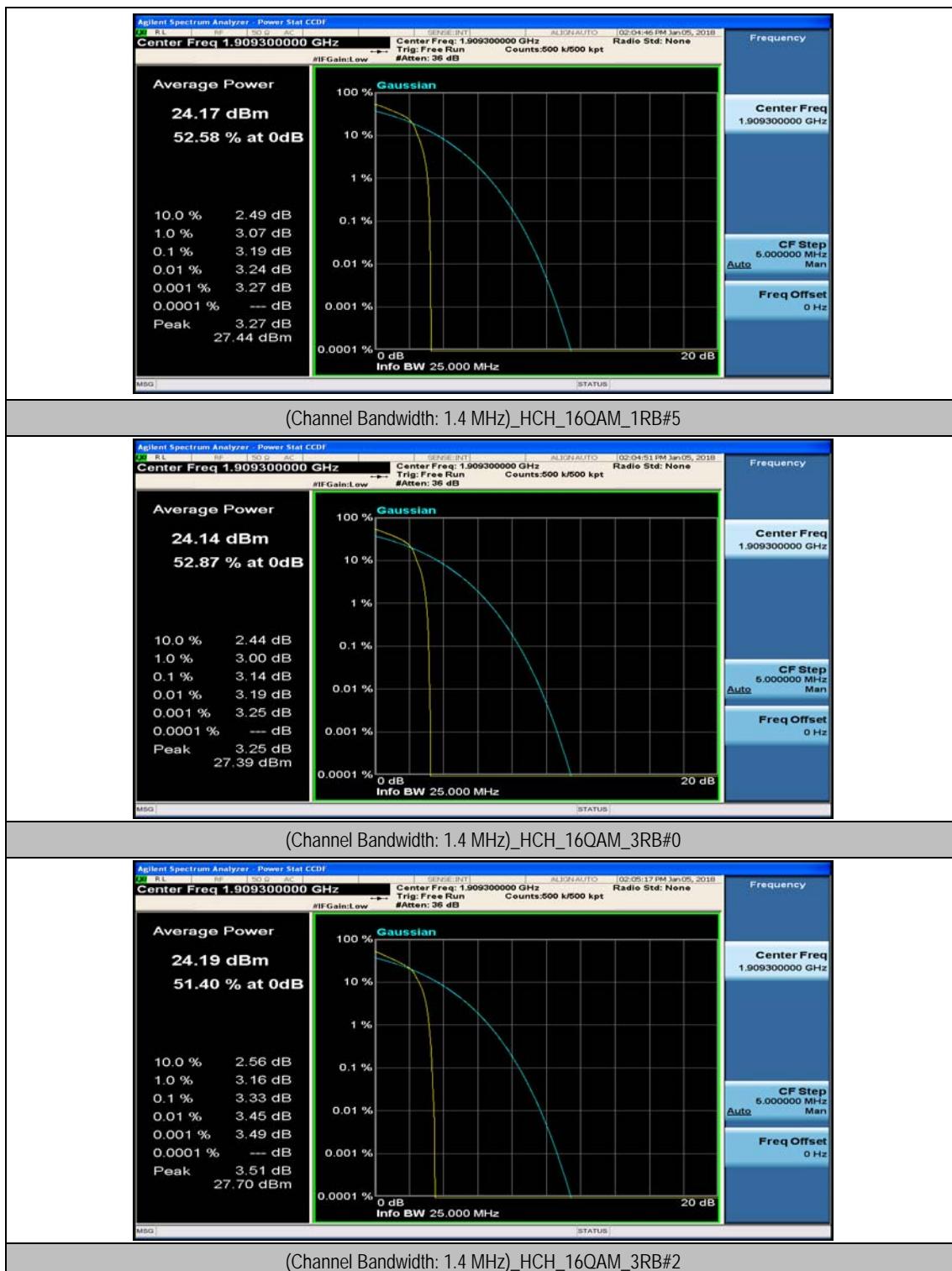


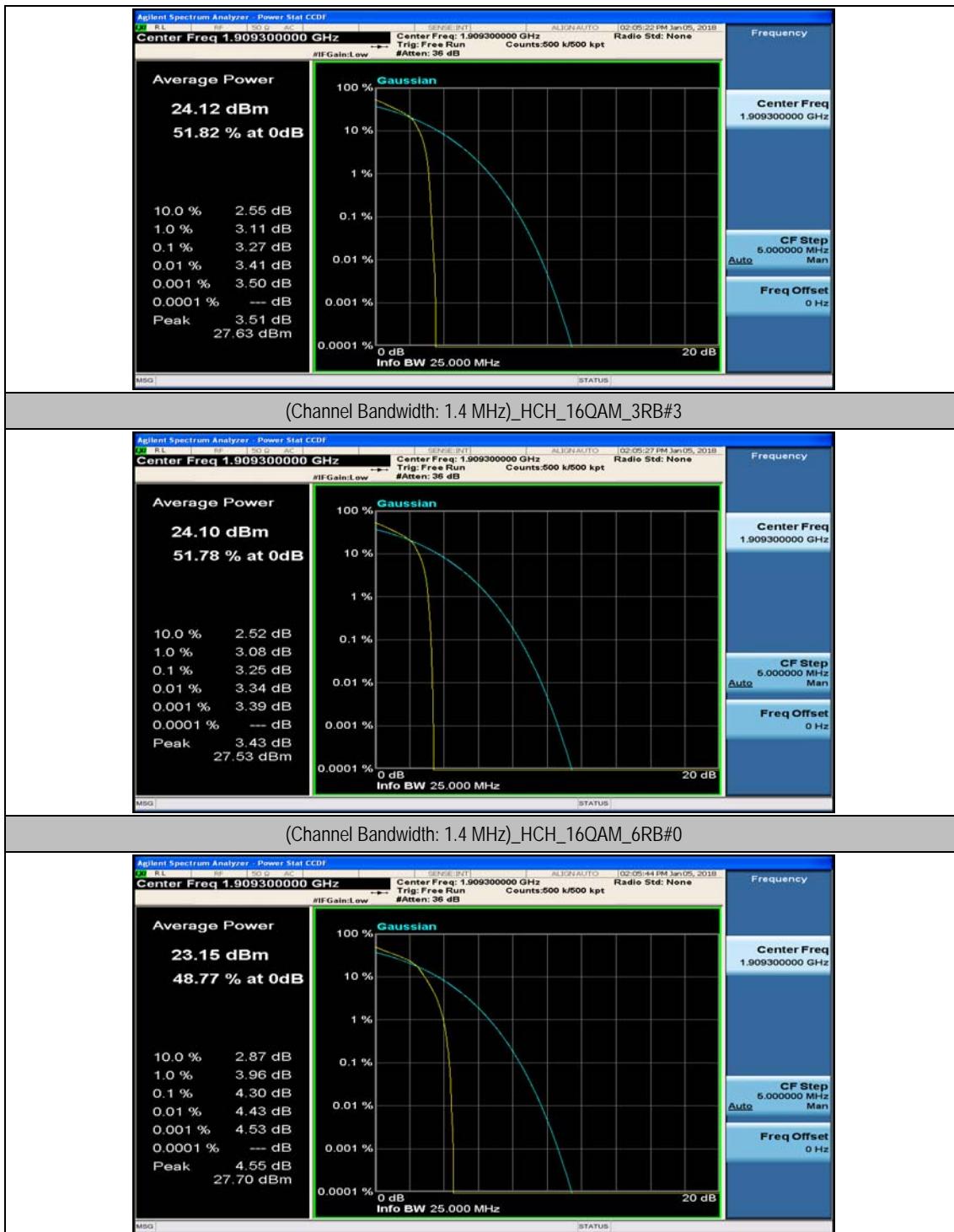




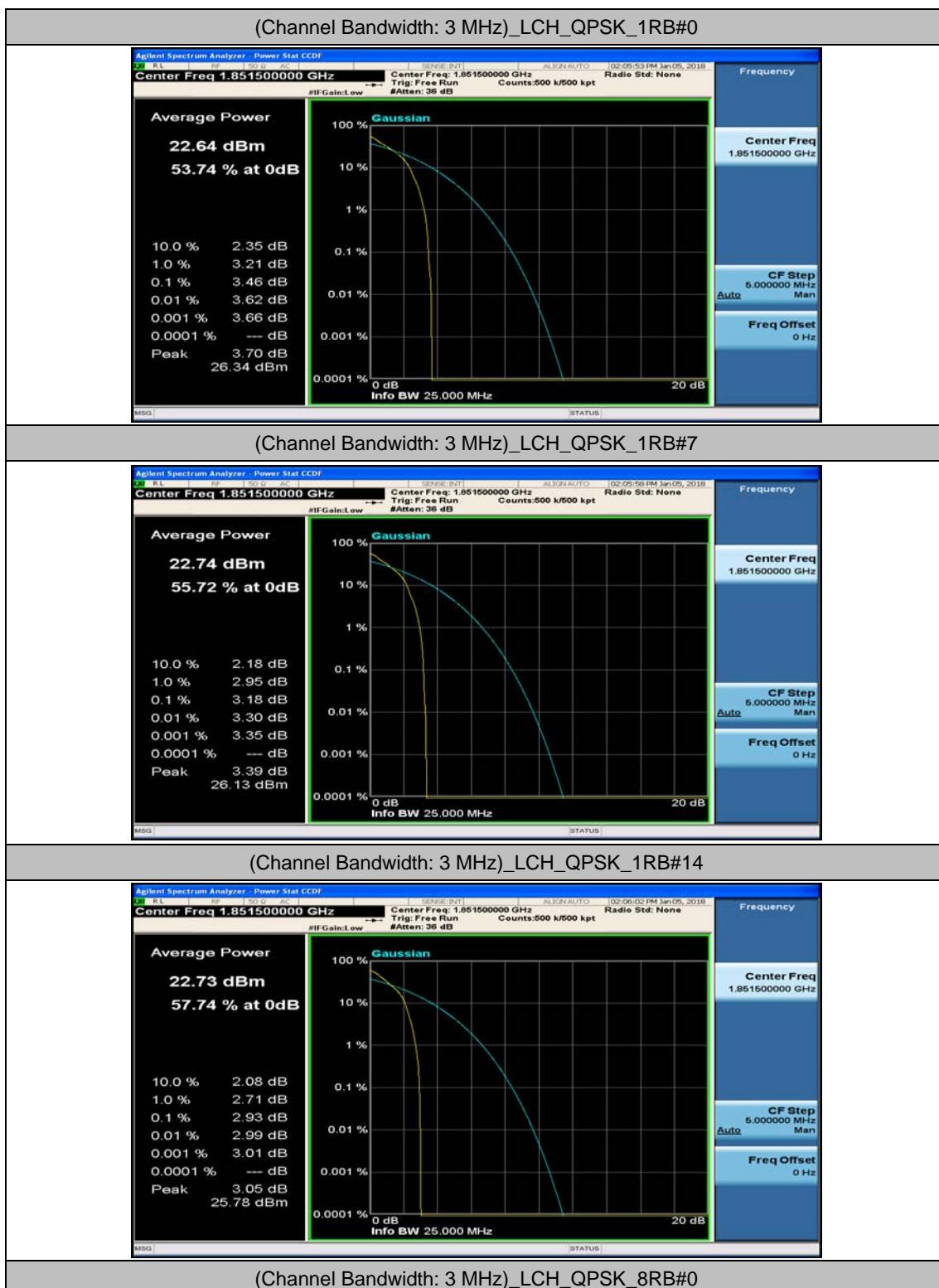


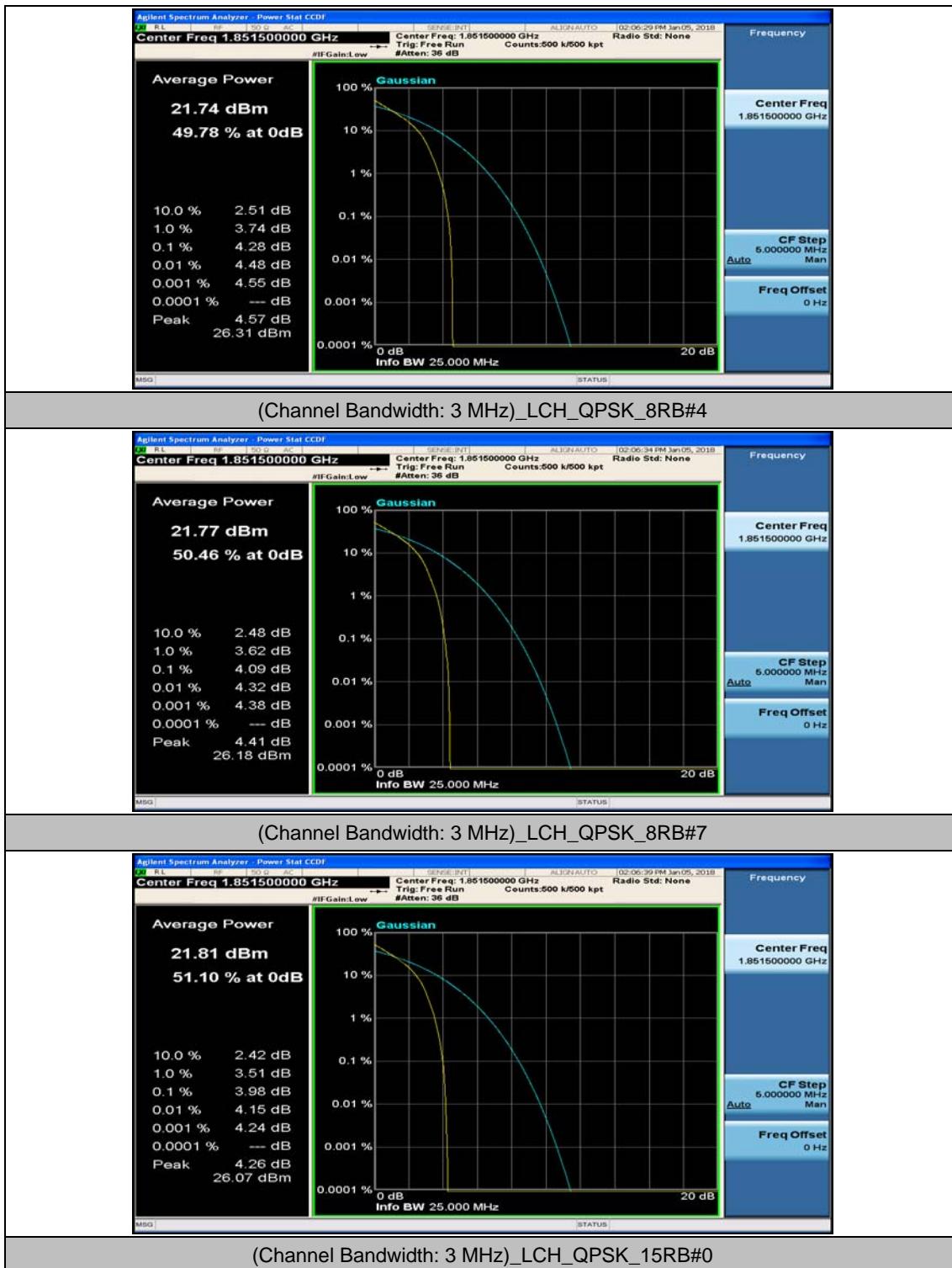


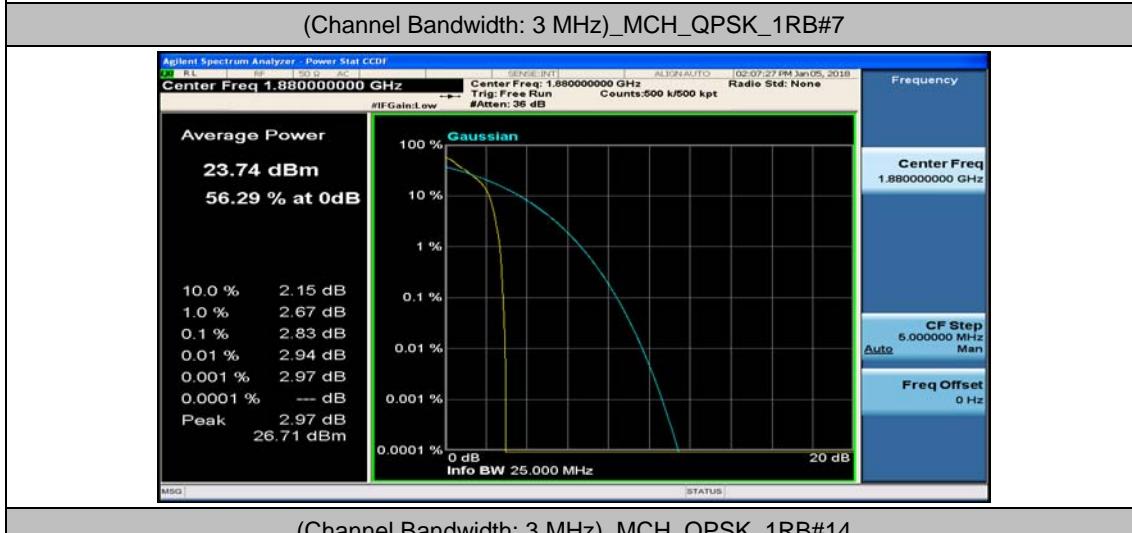
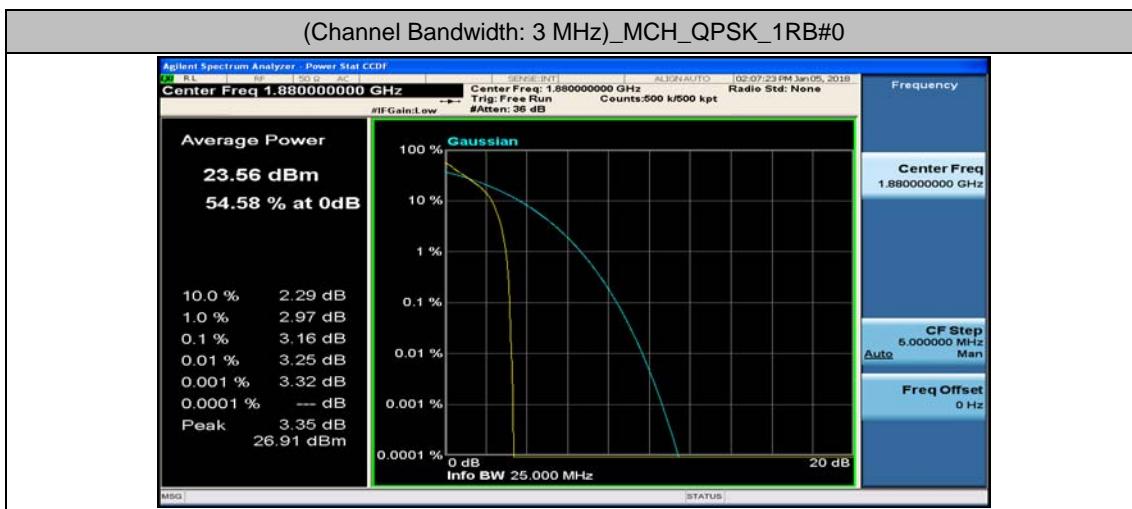




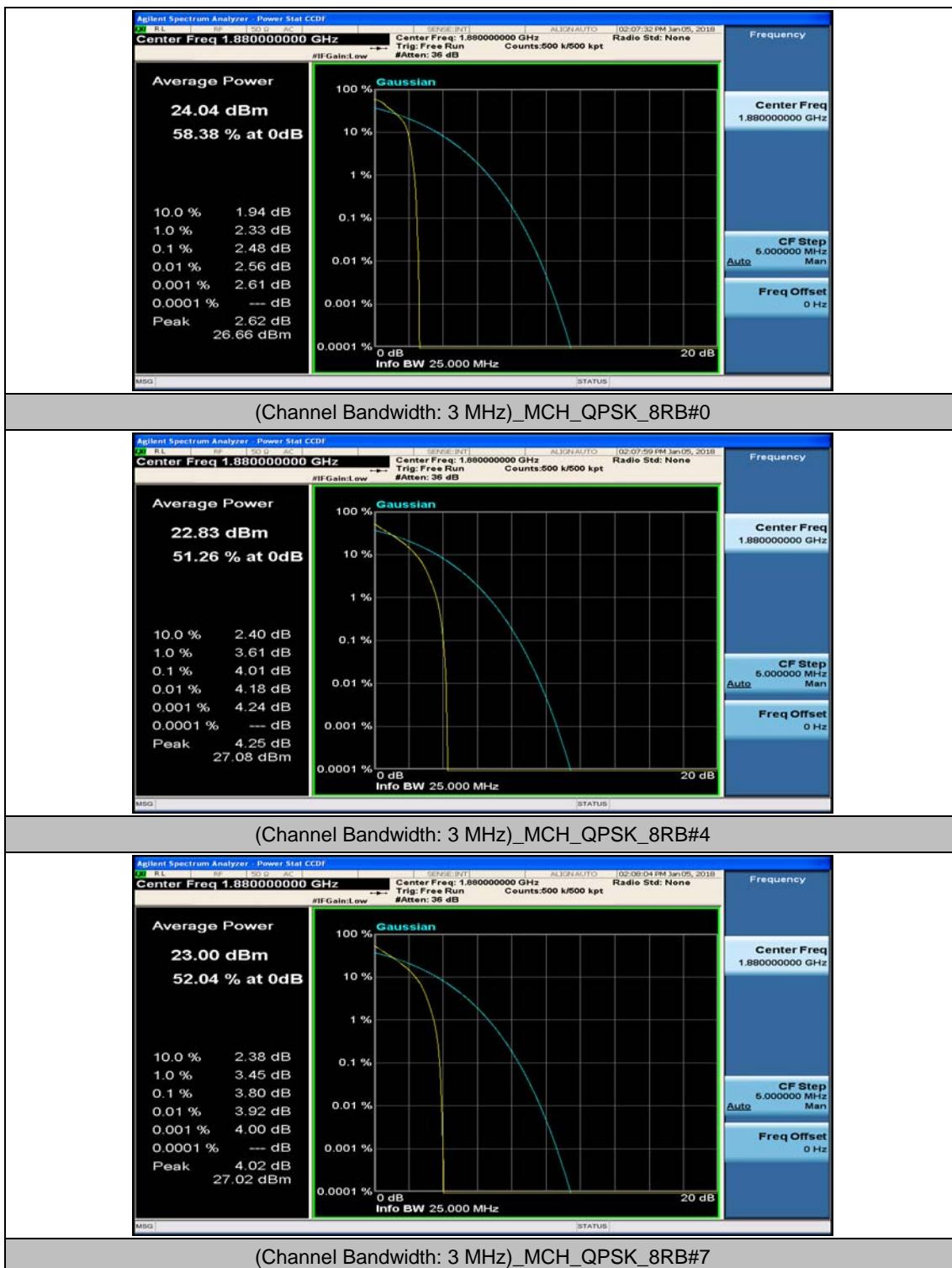
Channel Bandwidth: 3 MHz

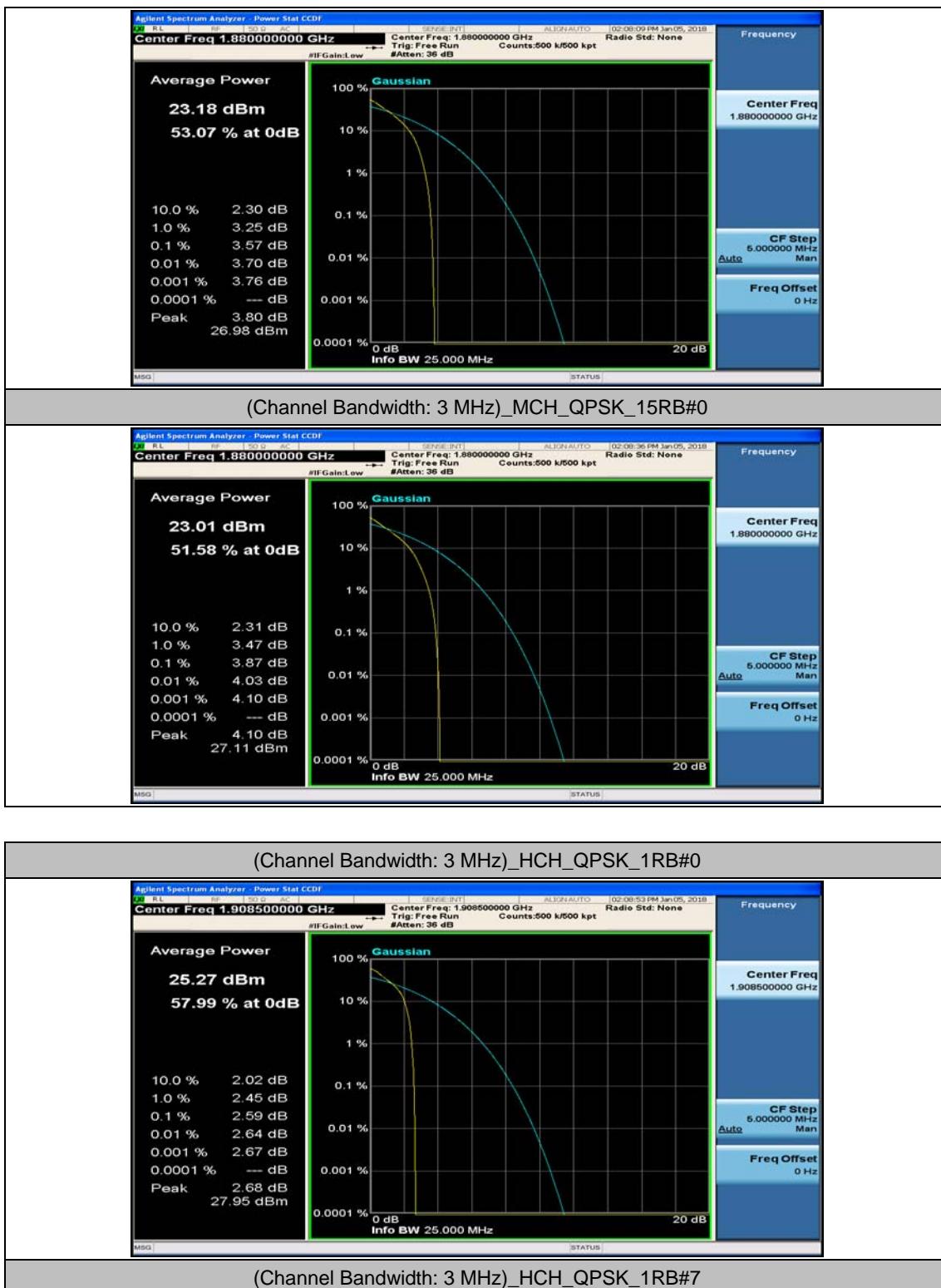


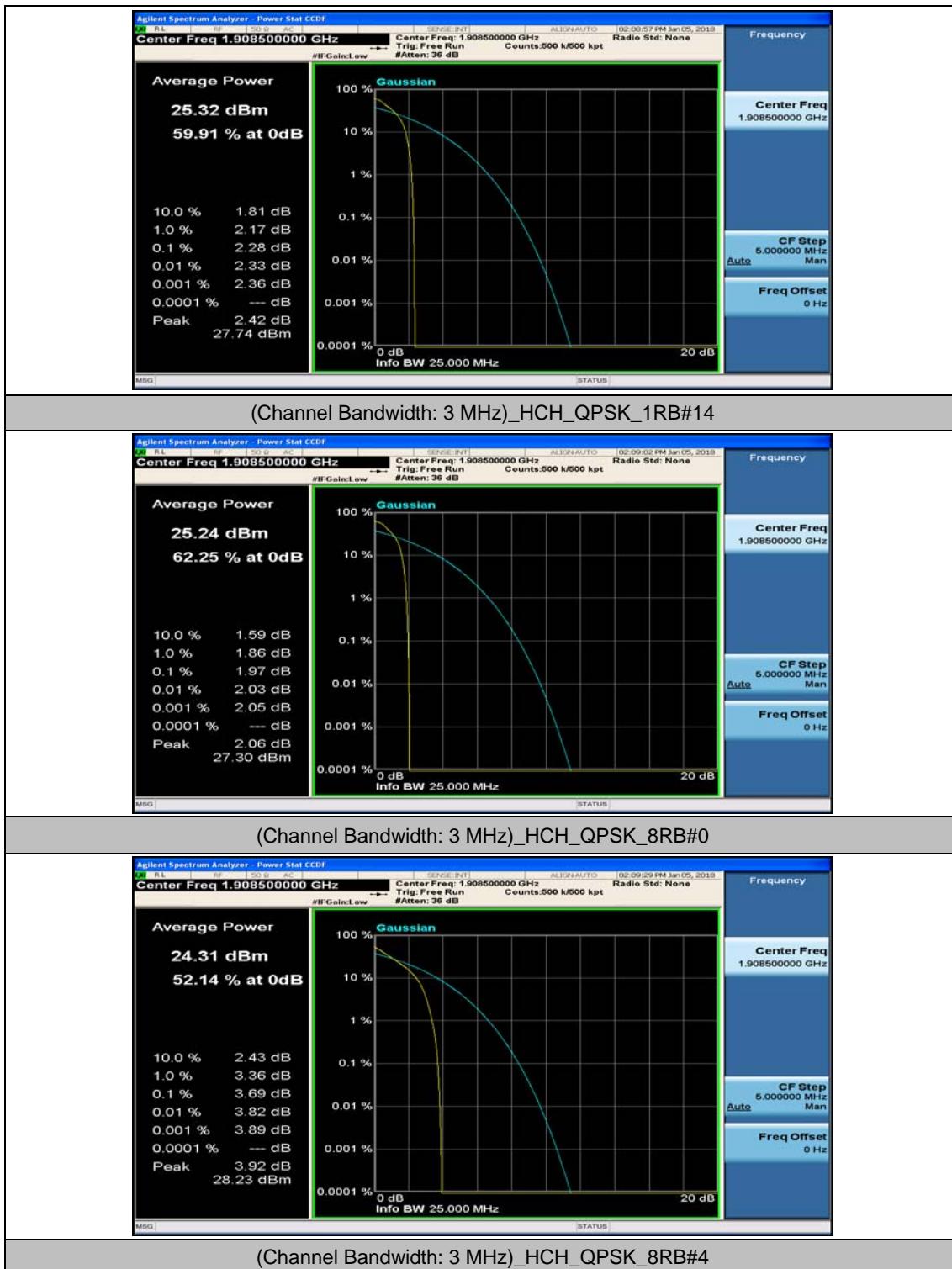


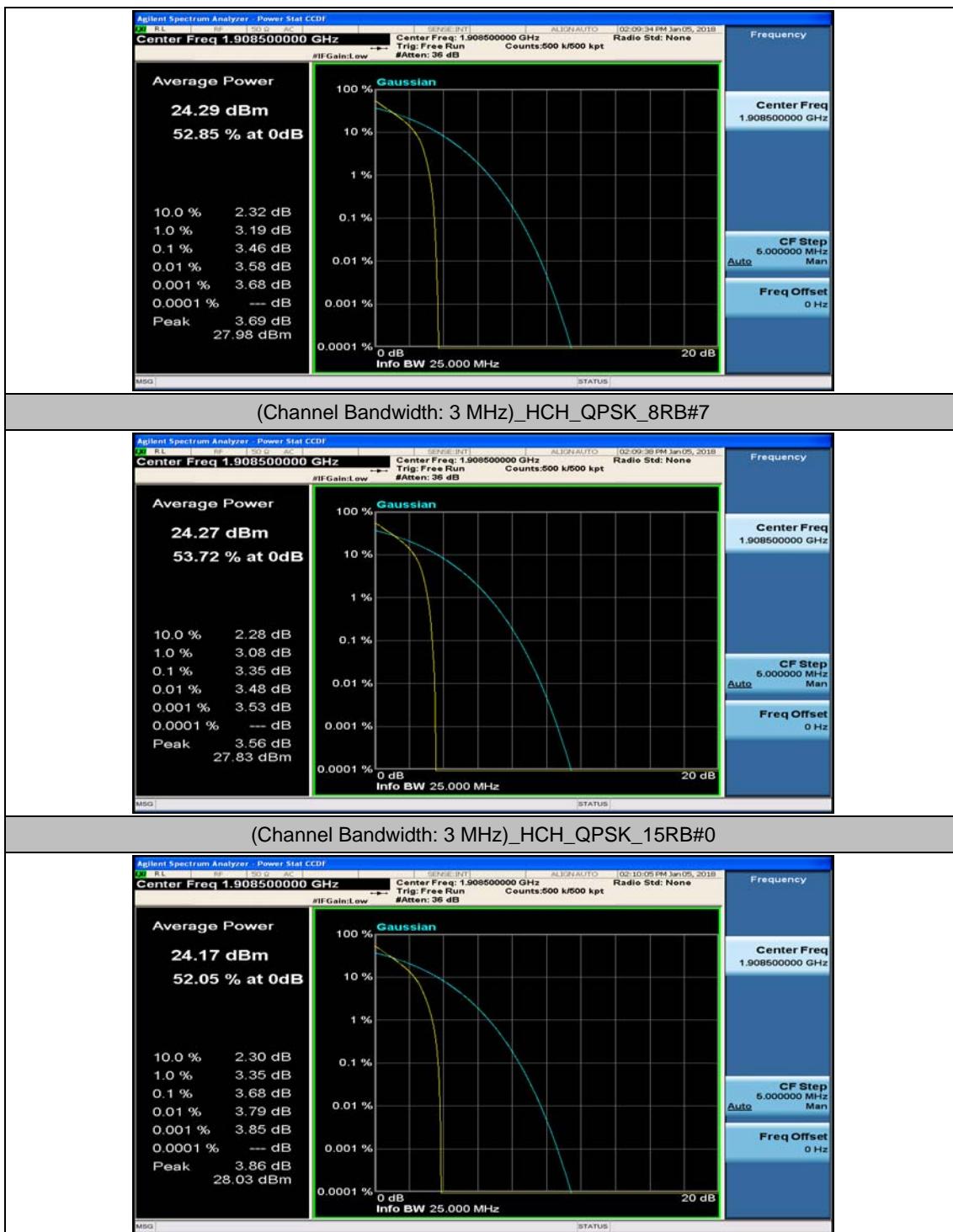


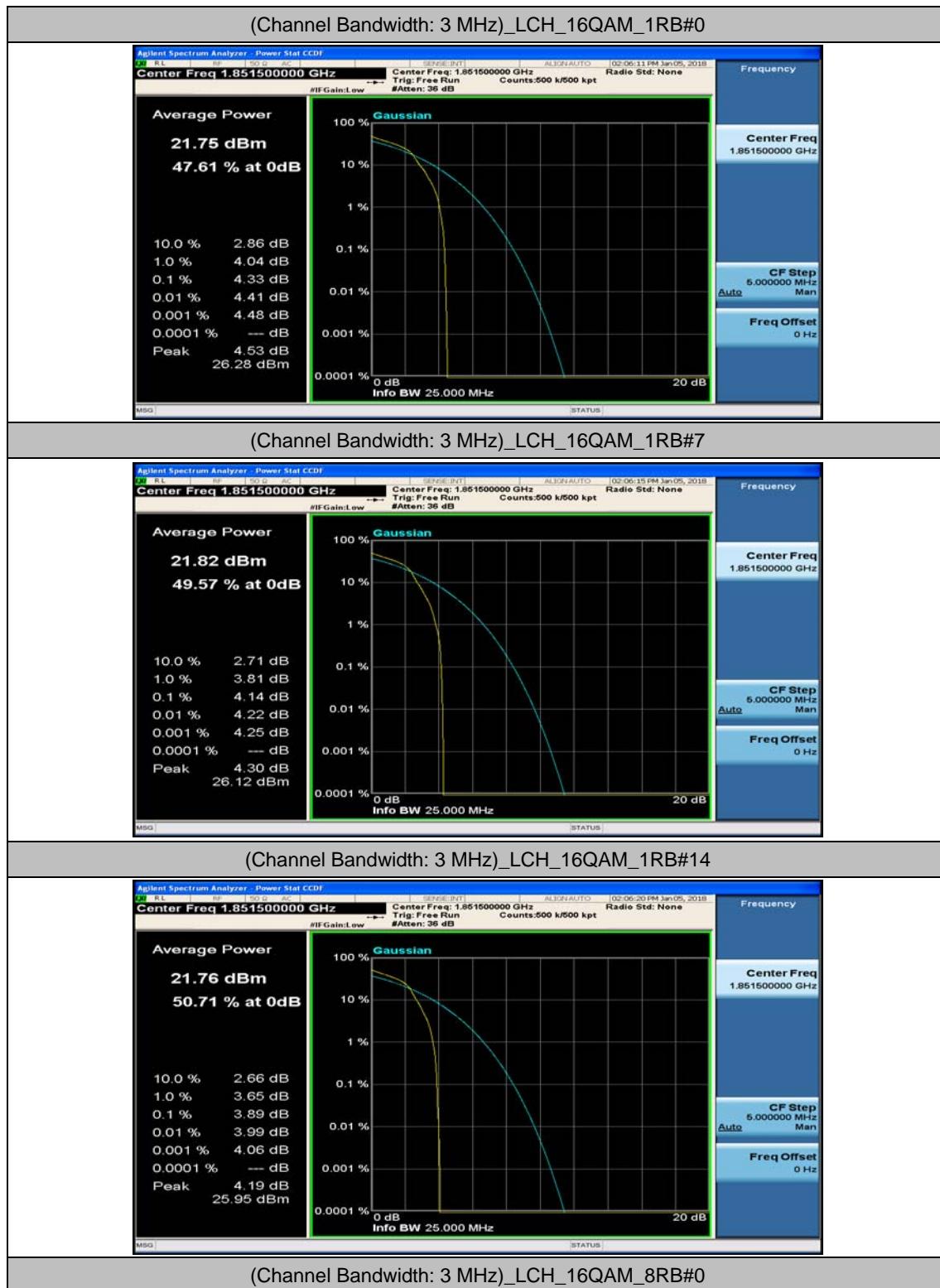
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

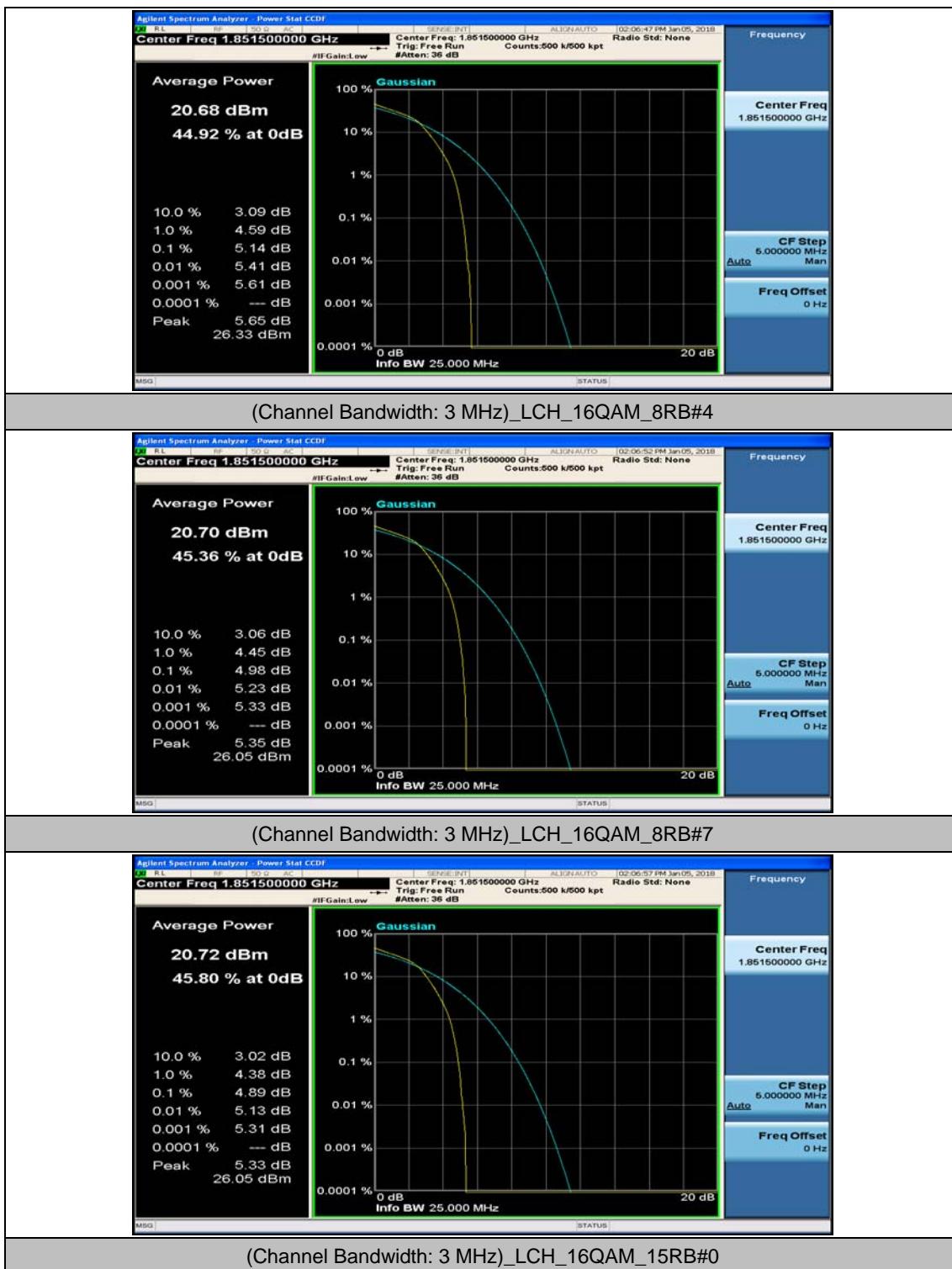


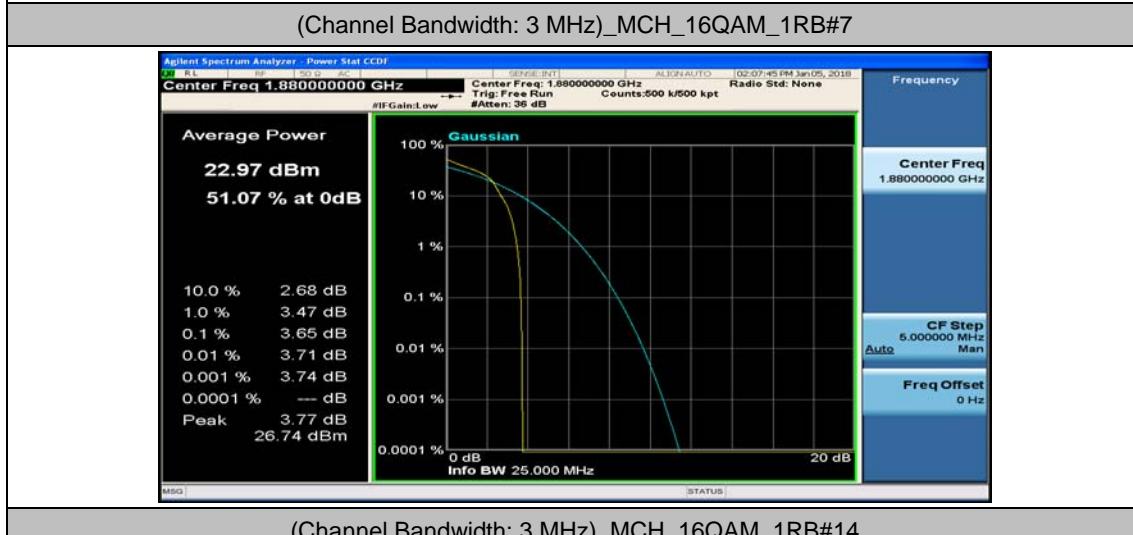
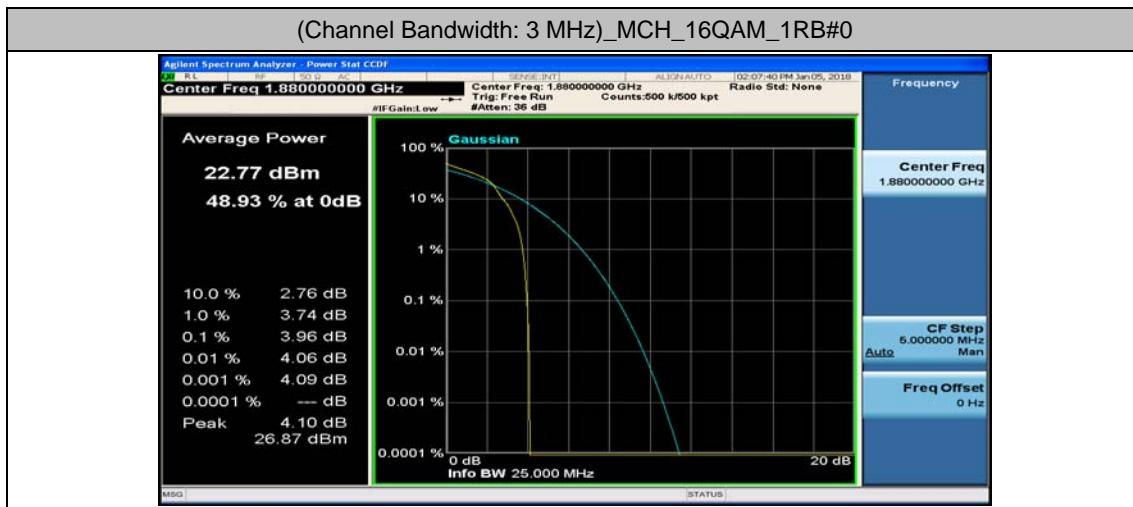
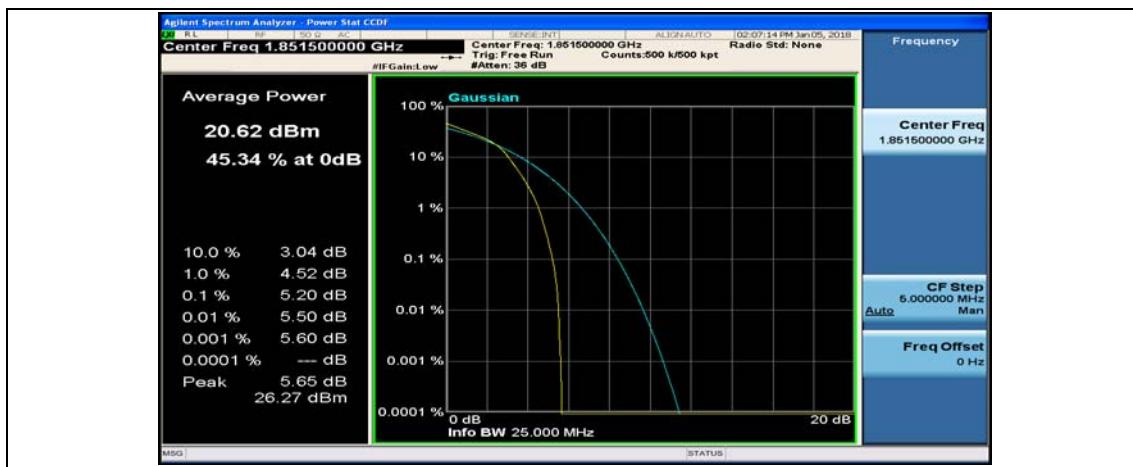




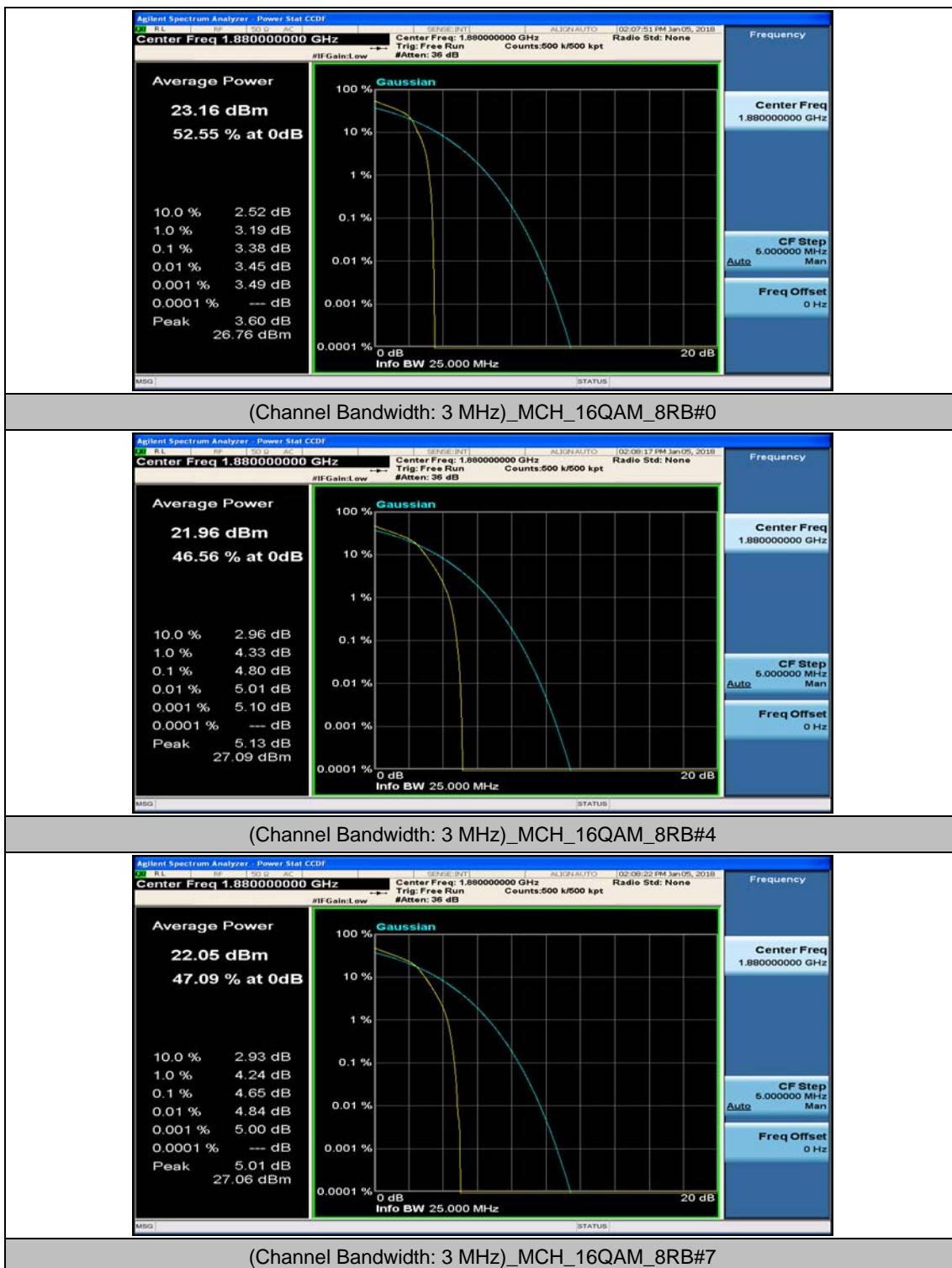


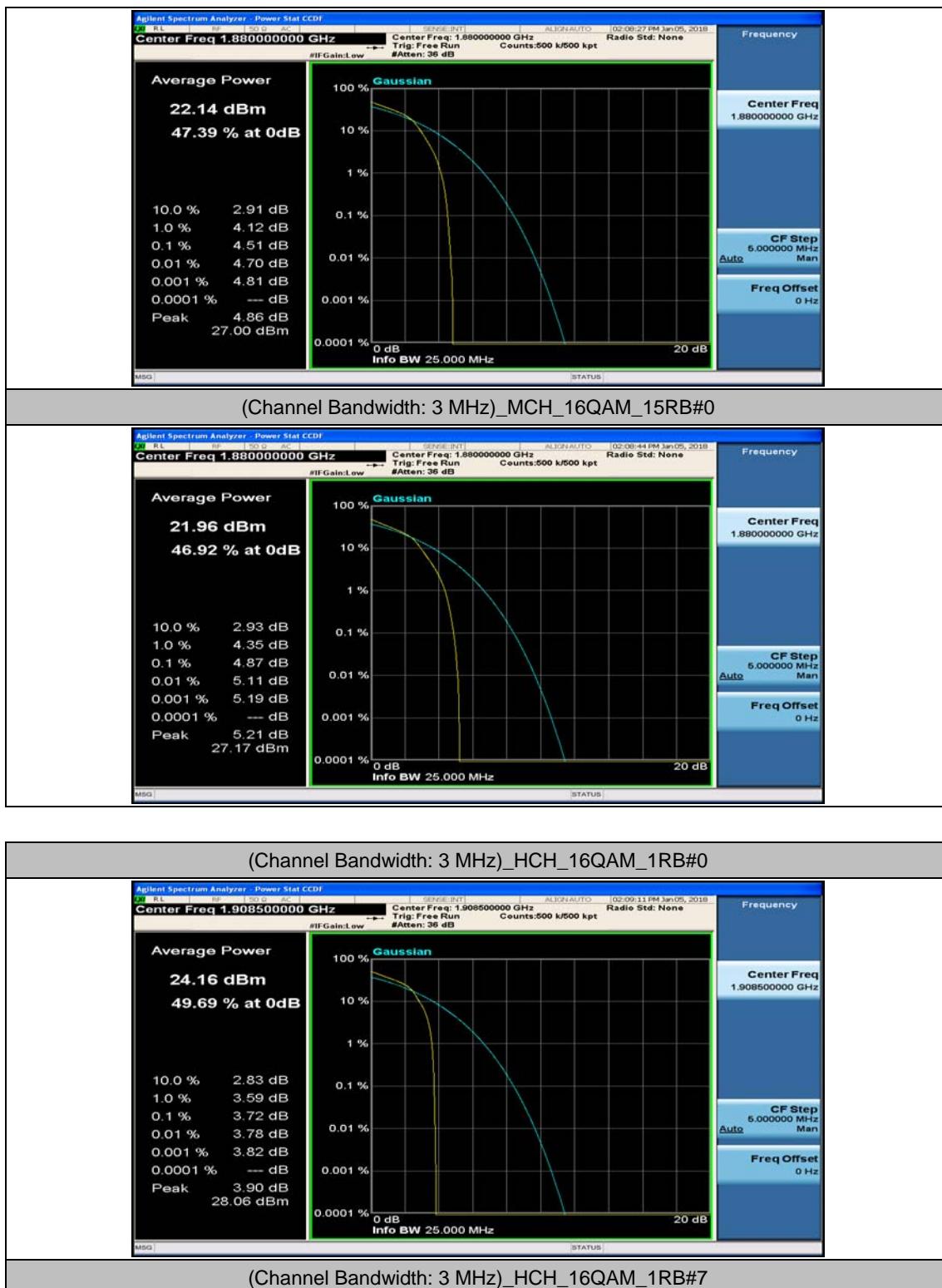


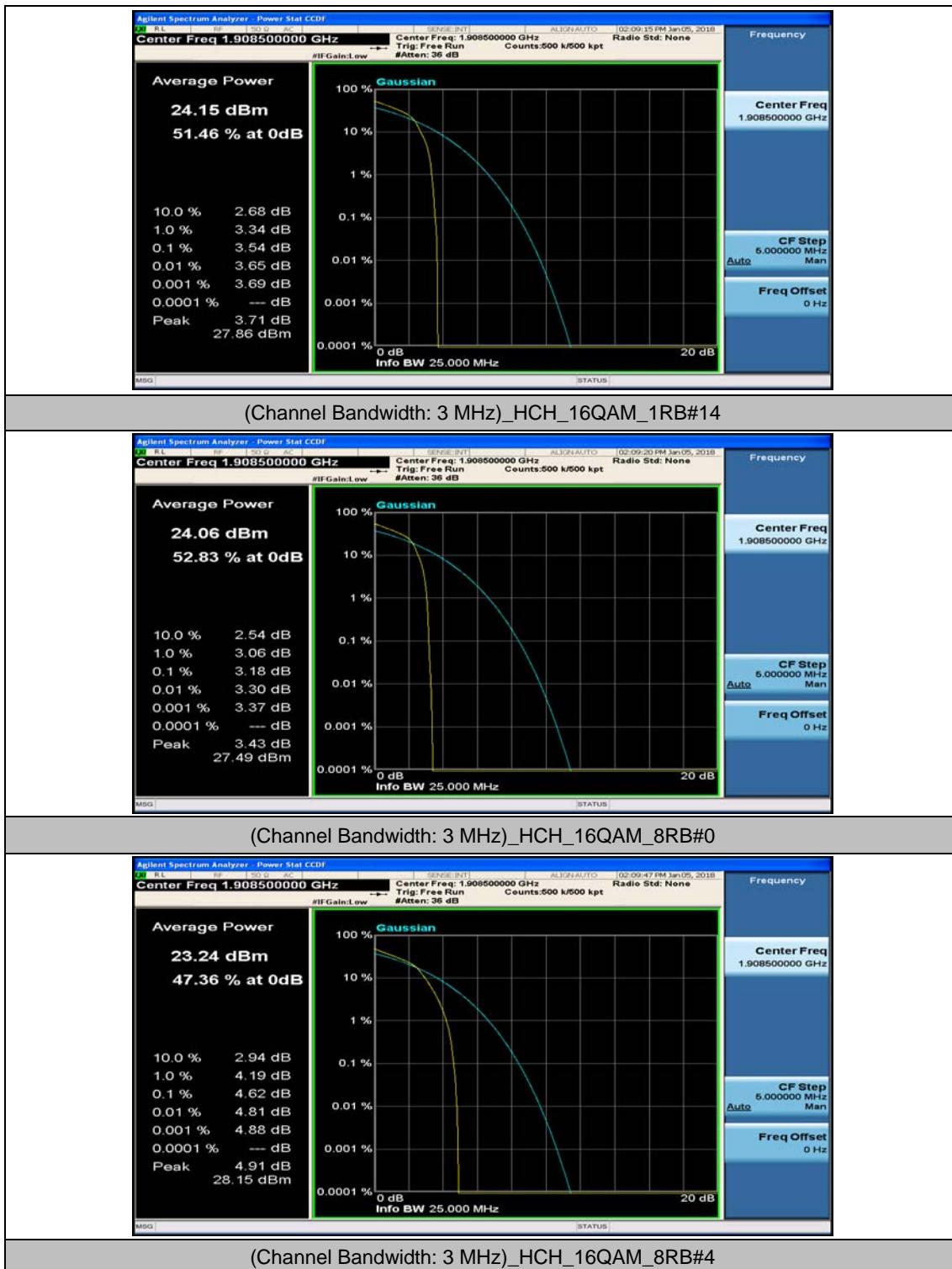


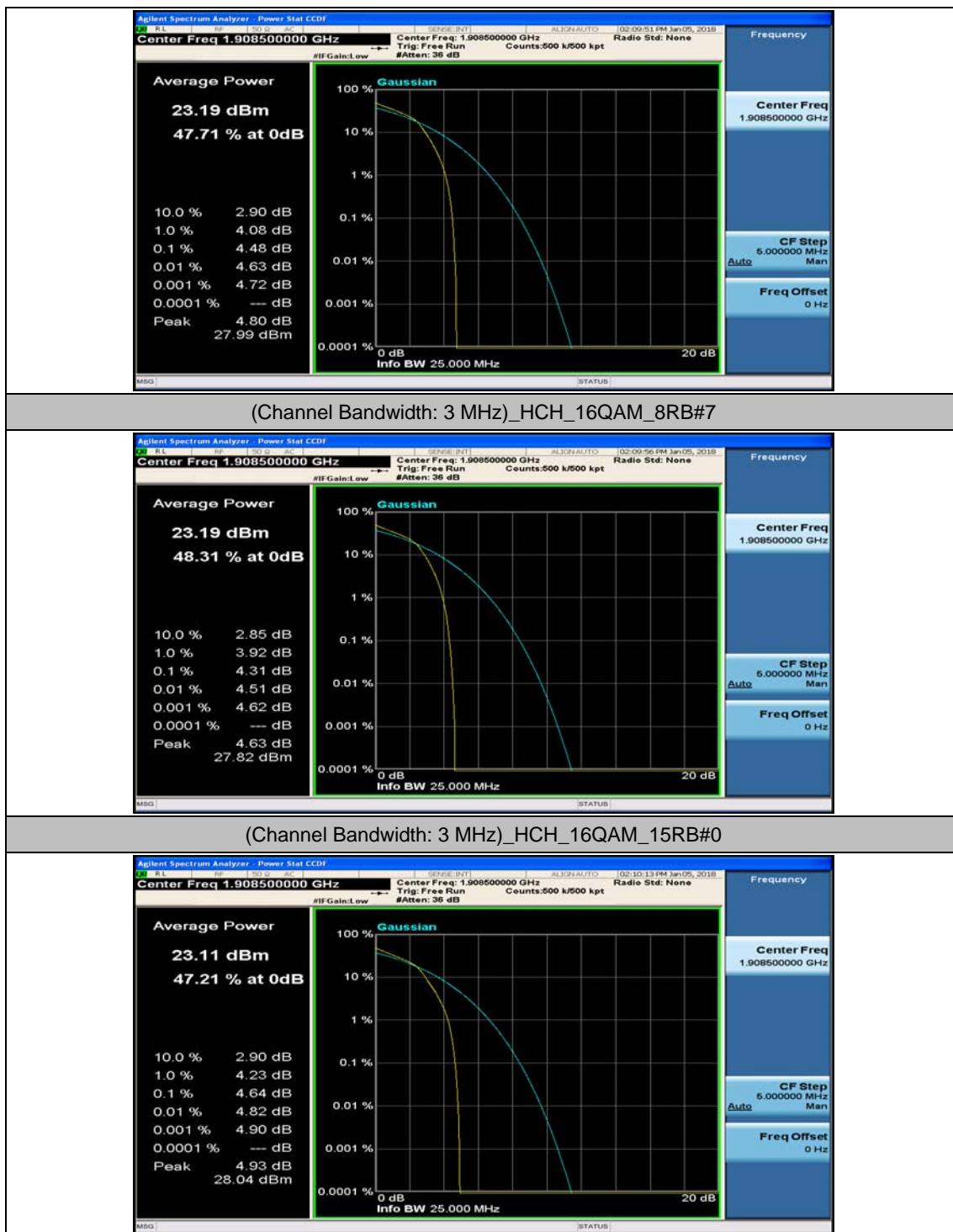


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

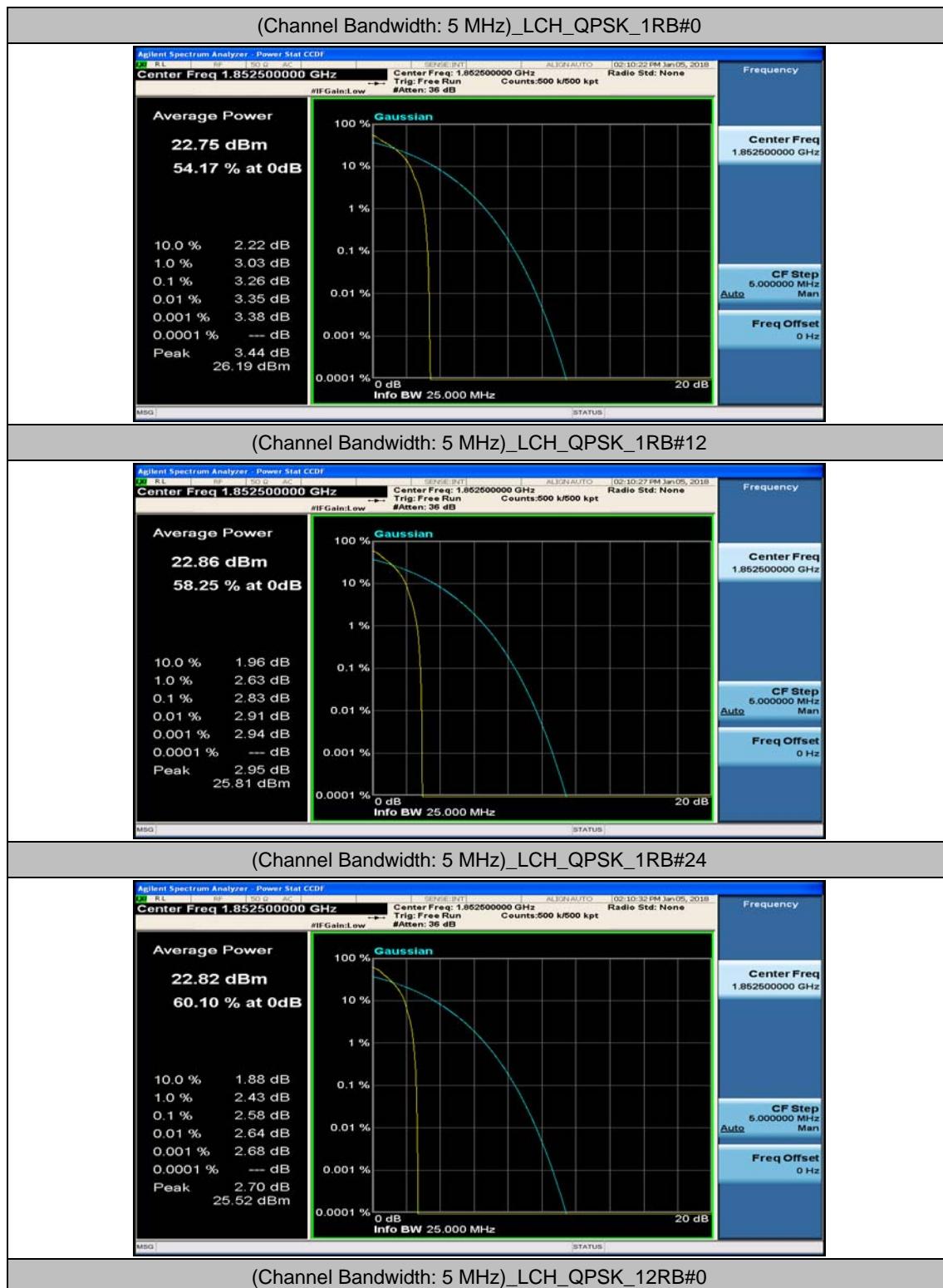


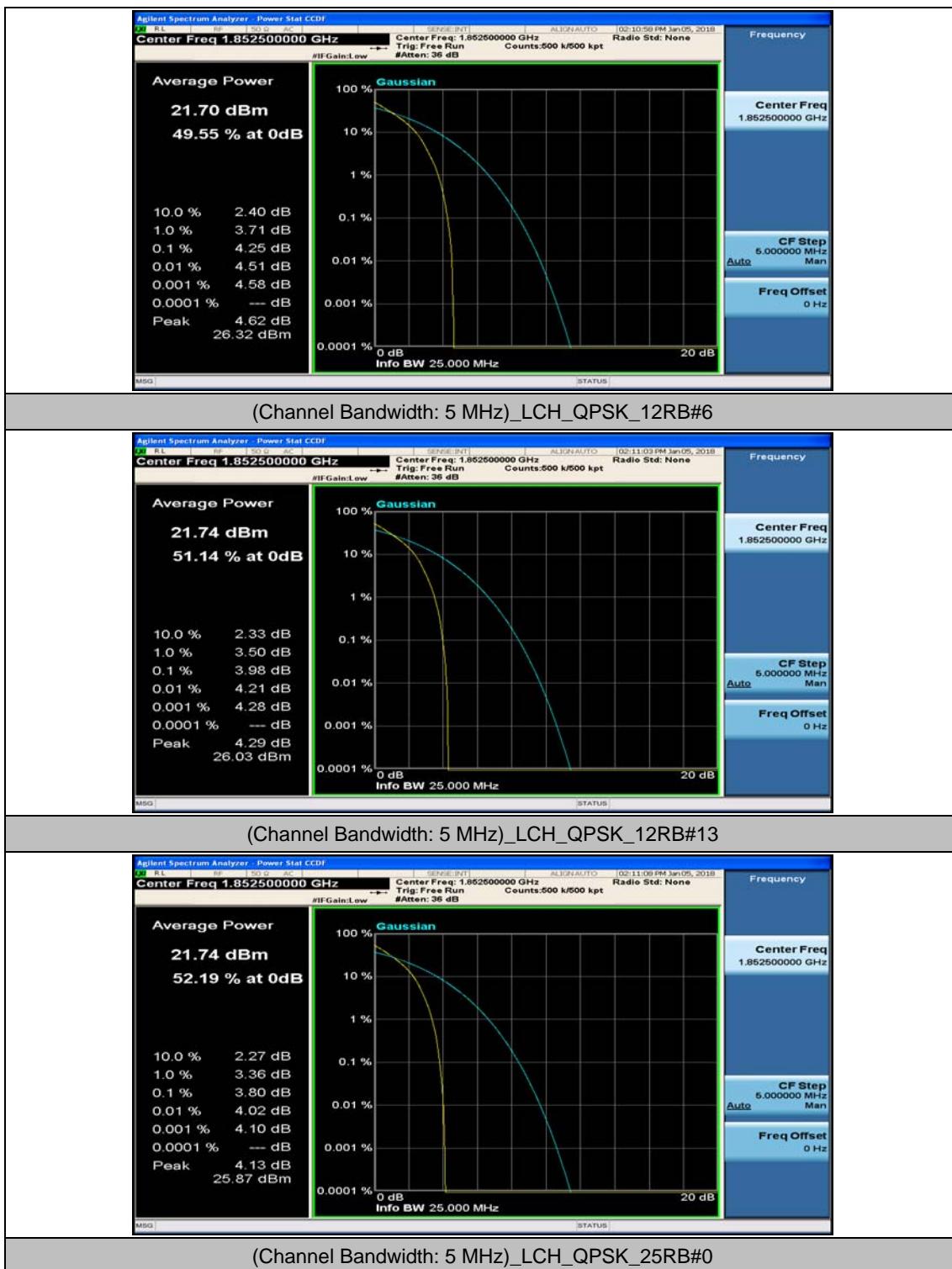


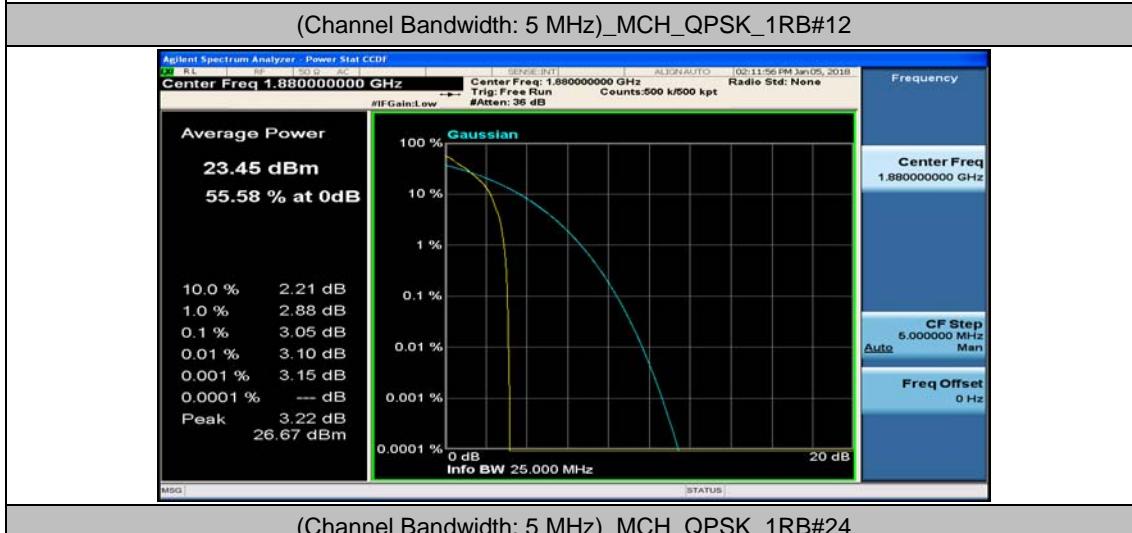
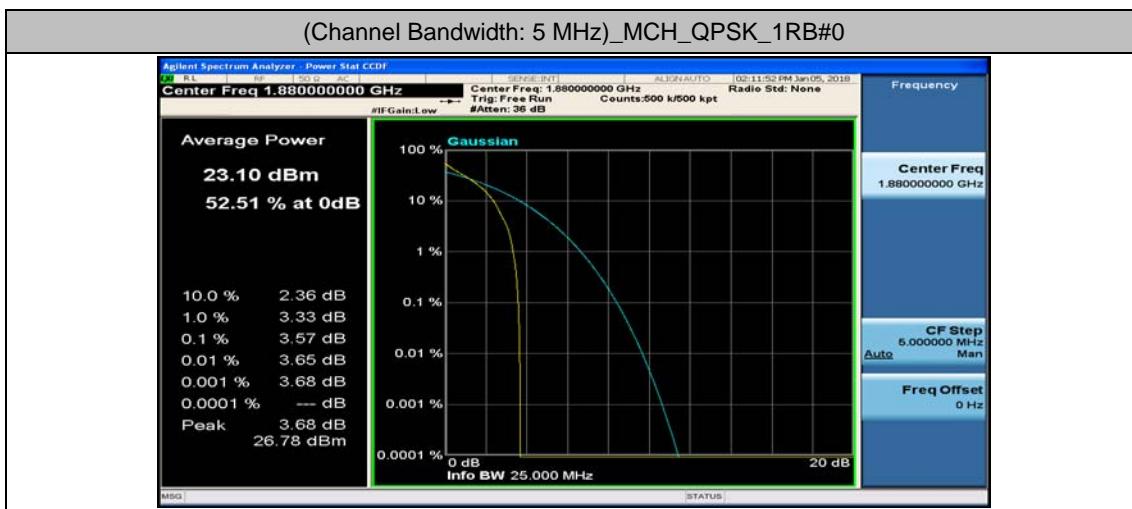
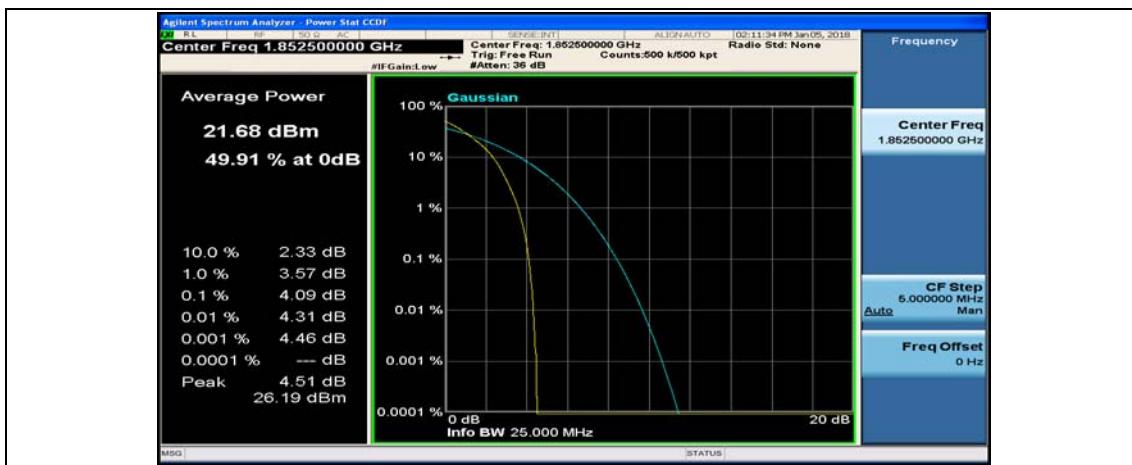




Channel Bandwidth: 5 MHz







(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

