

Appendix for Band 2

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	24.10	PASS
		1	3	24.08	PASS
		1	5	24.12	PASS
		3	0	23.21	PASS
		3	2	23.16	PASS
		3	3	23.19	PASS
		6	0	23.16	PASS
	MCH	1	0	24.03	PASS
		1	3	24.01	PASS
		1	5	24.00	PASS
		3	0	23.16	PASS
		3	2	23.13	PASS
		3	3	23.14	PASS
		6	0	23.07	PASS
16QAM	HCH	1	0	23.50	PASS
		1	3	23.49	PASS
		1	5	23.49	PASS
		3	0	23.31	PASS
		3	2	23.33	PASS
		3	3	23.36	PASS
		6	0	22.52	PASS
	LCH	1	0	23.47	PASS
		1	3	23.50	PASS
		1	5	23.48	PASS
		3	0	23.21	PASS
		3	2	23.18	PASS
		3	3	23.20	PASS
		6	0	22.12	PASS
	MCH	1	0	23.33	PASS
		1	3	23.39	PASS
		1	5	23.31	PASS
		3	0	23.33	PASS

		3	2	23.25	PASS
		3	3	23.27	PASS
		6	0	22.10	PASS
HCH	HCH	1	0	22.83	PASS
		1	3	22.86	PASS
		1	5	22.80	PASS
		3	0	22.62	PASS
		3	2	22.56	PASS
		3	3	22.60	PASS
		6	0	21.50	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.07	PASS
		1	7	24.14	PASS
		1	14	24.11	PASS
		8	0	23.22	PASS
		8	4	23.23	PASS
		8	7	23.25	PASS
		15	0	23.23	PASS
	MCH	1	0	24.04	PASS
		1	7	24.10	PASS
		1	14	24.02	PASS
		8	0	23.11	PASS
		8	4	23.10	PASS
		8	7	23.12	PASS
		15	0	23.12	PASS
16QAM	HCH	1	0	23.48	PASS
		1	7	23.44	PASS
		1	14	23.47	PASS
		8	0	22.61	PASS
		8	4	22.59	PASS
		8	7	22.59	PASS
		15	0	22.59	PASS
	LCH	1	0	23.36	PASS
		1	7	23.40	PASS
		1	14	23.39	PASS
		8	0	22.27	PASS
		8	4	22.29	PASS
		8	7	22.27	PASS
		15	0	22.21	PASS

	MCH	1	0	23.48	PASS
		1	7	23.48	PASS
		1	14	23.45	PASS
		8	0	22.19	PASS
		8	4	22.15	PASS
		8	7	22.16	PASS
		15	0	22.19	PASS
	HCH	1	0	22.72	PASS
		1	7	22.75	PASS
		1	14	22.69	PASS
		8	0	21.56	PASS
		8	4	21.53	PASS
		8	7	21.55	PASS
		15	0	21.61	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.26	PASS
		1	12	24.28	PASS
		1	24	24.24	PASS
		12	0	23.30	PASS
		12	6	23.31	PASS
		12	13	23.32	PASS
		25	0	23.27	PASS
	MCH	1	0	24.19	PASS
		1	12	24.11	PASS
		1	24	24.08	PASS
		12	0	23.21	PASS
		12	6	23.10	PASS
		12	13	23.20	PASS
		25	0	23.18	PASS
	HCH	1	0	23.67	PASS
		1	12	23.53	PASS
		1	24	23.54	PASS
		12	0	22.70	PASS
		12	6	22.63	PASS
		12	13	22.63	PASS
		25	0	22.61	PASS
16QAM	LCH	1	0	23.48	PASS
		1	12	23.50	PASS
		1	24	23.49	PASS

		12	0	22.35	PASS
		12	6	22.33	PASS
		12	13	22.36	PASS
		25	0	22.27	PASS
MCH	MCH	1	0	23.49	PASS
		1	12	23.41	PASS
		1	24	23.39	PASS
		12	0	22.37	PASS
		12	6	22.27	PASS
		12	13	22.36	PASS
		25	0	22.24	PASS
HCH	HCH	1	0	22.82	PASS
		1	12	22.72	PASS
		1	24	22.71	PASS
		12	0	21.72	PASS
		12	6	21.68	PASS
		12	13	21.66	PASS
		25	0	21.70	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.19	PASS
		1	24	24.24	PASS
		1	49	24.19	PASS
		25	0	23.30	PASS
		25	12	23.30	PASS
		25	25	23.32	PASS
		50	0	23.29	PASS
	MCH	1	0	24.03	PASS
		1	24	24.04	PASS
		1	49	23.80	PASS
		25	0	23.11	PASS
		25	12	23.10	PASS
		25	25	23.06	PASS
		50	0	23.08	PASS
	HCH	1	0	23.72	PASS
		1	24	23.58	PASS
		1	49	23.25	PASS
		25	0	22.74	PASS
		25	12	22.67	PASS
		25	25	22.61	PASS

		50	0	22.69	PASS
16QAM	LCH	1	0	23.48	PASS
		1	24	23.43	PASS
		1	49	23.49	PASS
		25	0	22.28	PASS
		25	12	22.28	PASS
		25	25	22.29	PASS
		50	0	22.28	PASS
	MCH	1	0	23.44	PASS
		1	24	23.49	PASS
		1	49	23.29	PASS
		25	0	22.19	PASS
		25	12	22.19	PASS
		25	25	22.15	PASS
		50	0	22.18	PASS
	HCH	1	0	22.95	PASS
		1	24	22.85	PASS
		1	49	22.69	PASS
		25	0	21.72	PASS
		25	12	21.70	PASS
		25	25	21.66	PASS
		50	0	21.75	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.22	PASS
		1	37	24.24	PASS
		1	74	24.17	PASS
		37	0	23.39	PASS
		37	18	23.40	PASS
		37	38	23.40	PASS
		75	0	23.40	PASS
	MCH	1	0	24.22	PASS
		1	37	24.00	PASS
		1	74	24.01	PASS
		37	0	23.19	PASS
		37	18	23.13	PASS
		37	38	23.11	PASS
		75	0	23.16	PASS
	HCH	1	0	23.89	PASS
		1	37	23.66	PASS

		1	74	23.47	PASS
		37	0	22.91	PASS
		37	18	22.83	PASS
		37	38	22.72	PASS
		75	0	22.84	PASS
16QAM	LCH	1	0	23.50	PASS
		1	37	23.42	PASS
		1	74	23.46	PASS
		37	0	22.31	PASS
		37	18	22.33	PASS
		37	38	22.31	PASS
		75	0	22.34	PASS
	MCH	1	0	23.48	PASS
		1	37	23.38	PASS
		1	74	23.34	PASS
		37	0	22.25	PASS
		37	18	22.21	PASS
		37	38	22.21	PASS
		75	0	22.22	PASS
	HCH	1	0	23.10	PASS
		1	37	22.91	PASS
		1	74	22.80	PASS
		37	0	21.85	PASS
		37	18	21.79	PASS
		37	38	21.71	PASS
		75	0	21.81	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.38	PASS
		1	49	24.35	PASS
		1	99	24.30	PASS
		50	0	23.46	PASS
		50	25	23.35	PASS
		50	50	23.41	PASS
		100	0	23.34	PASS
	MCH	1	0	24.38	PASS
		1	49	24.13	PASS
		1	99	24.07	PASS
		50	0	23.24	PASS
		50	25	23.10	PASS

	HCH	50	50	23.09	PASS
		100	0	23.16	PASS
		1	0	23.93	PASS
		1	49	23.65	PASS
		1	99	23.34	PASS
		50	0	22.91	PASS
		50	25	22.82	PASS
		50	50	22.72	PASS
16QAM	LCH	100	0	22.87	PASS
		1	0	23.45	PASS
		1	49	23.41	PASS
		1	99	23.49	PASS
		50	0	22.33	PASS
		50	25	22.29	PASS
		50	50	22.28	PASS
	MCH	100	0	22.32	PASS
		1	0	23.42	PASS
		1	49	23.41	PASS
		1	99	23.41	PASS
		50	0	22.29	PASS
		50	25	22.21	PASS
		50	50	22.25	PASS
	HCH	100	0	22.23	PASS
		1	0	23.24	PASS
		1	49	22.94	PASS
		1	99	22.77	PASS
		50	0	21.98	PASS
		50	25	21.82	PASS
		50	50	21.75	PASS
		100	0	21.87	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	3.89	<13	PASS
		1	3	3.73	<13	PASS
		1	5	3.82	<13	PASS
		3	0	4.14	<13	PASS
		3	2	4.19	<13	PASS
		3	3	4.16	<13	PASS
		6	0	5	<13	PASS
	MCH	1	0	4.41	<13	PASS
		1	3	4.43	<13	PASS
		1	5	4.39	<13	PASS
		3	0	4.85	<13	PASS
		3	2	4.88	<13	PASS
		3	3	4.94	<13	PASS
		6	0	5.56	<13	PASS
16QAM	LCH	1	0	3.72	<13	PASS
		1	3	3.65	<13	PASS
		1	5	3.56	<13	PASS
		3	0	4.18	<13	PASS
		3	2	4.15	<13	PASS
		3	3	4.11	<13	PASS
		6	0	5.15	<13	PASS
	MCH	1	0	4.81	<13	PASS
		1	3	4.7	<13	PASS
		1	5	4.7	<13	PASS
		3	0	5.15	<13	PASS
		3	2	5.09	<13	PASS
		3	3	5.08	<13	PASS
		6	0	5.93	<13	PASS

		3	2	5.55	<13	PASS
		3	3	5.52	<13	PASS
		6	0	6.37	<13	PASS
HCH		1	0	4.67	<13	PASS
		1	3	4.5	<13	PASS
		1	5	4.69	<13	PASS
		3	0	5.12	<13	PASS
		3	2	5.11	<13	PASS
		3	3	5.07	<13	PASS
		6	0	6.03	<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	3.83	<13	PASS
		1	7	3.76	<13	PASS
		1	14	3.7	<13	PASS
		8	0	4.97	<13	PASS
		8	4	4.96	<13	PASS
		8	7	4.92	<13	PASS
		15	0	4.98	<13	PASS
	MCH	1	0	4.35	<13	PASS
		1	7	4.24	<13	PASS
		1	14	4.31	<13	PASS
		8	0	5.56	<13	PASS
		8	4	5.55	<13	PASS
		8	7	5.58	<13	PASS
		15	0	5.77	<13	PASS
	HCH	1	0	3.9	<13	PASS
		1	7	3.91	<13	PASS
		1	14	3.78	<13	PASS
		8	0	5.19	<13	PASS
		8	4	5.23	<13	PASS
		8	7	5.12	<13	PASS
		15	0	5.28	<13	PASS
16QAM	LCH	1	0	4.72	<13	PASS
		1	7	4.65	<13	PASS
		1	14	4.55	<13	PASS
		8	0	5.7	<13	PASS
		8	4	5.81	<13	PASS

		8	7	5.66	<13	PASS
		15	0	5.93	<13	PASS
MCH		1	0	5.15	<13	PASS
		1	7	5.41	<13	PASS
		1	14	5.2	<13	PASS
		8	0	6.28	<13	PASS
		8	4	6.33	<13	PASS
		8	7	6.37	<13	PASS
		15	0	6.53	<13	PASS
HCH		1	0	4.68	<13	PASS
		1	7	4.56	<13	PASS
		1	14	4.59	<13	PASS
		8	0	6.1	<13	PASS
		8	4	6.09	<13	PASS
		8	7	6.09	<13	PASS
		15	0	6.05	<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	3.8	<13	PASS
		1	12	3.72	<13	PASS
		1	24	3.98	<13	PASS
		12	0	4.98	<13	PASS
		12	6	4.94	<13	PASS
		12	13	4.93	<13	PASS
		25	0	5.03	<13	PASS
	MCH	1	0	4.32	<13	PASS
		1	12	4.58	<13	PASS
		1	24	4.37	<13	PASS
		12	0	5.58	<13	PASS
		12	6	5.59	<13	PASS
		12	13	5.64	<13	PASS
		25	0	5.74	<13	PASS
	HCH	1	0	3.96	<13	PASS
		1	12	4.14	<13	PASS
		1	24	3.71	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.26	<13	PASS
		12	13	5.23	<13	PASS

		25	0	5.28	<13	PASS
16QAM	LCH	1	0	4.67	<13	PASS
		1	12	4.61	<13	PASS
		1	24	4.64	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.86	<13	PASS
		12	13	5.78	<13	PASS
		25	0	5.85	<13	PASS
	MCH	1	0	5.07	<13	PASS
		1	12	5.22	<13	PASS
		1	24	5.24	<13	PASS
		12	0	6.39	<13	PASS
		12	6	6.43	<13	PASS
		12	13	6.42	<13	PASS
		25	0	6.53	<13	PASS
	HCH	1	0	4.44	<13	PASS
		1	12	4.64	<13	PASS
		1	24	4.44	<13	PASS
		12	0	5.92	<13	PASS
		12	6	6.03	<13	PASS
		12	13	5.99	<13	PASS
		25	0	6.04	<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	3.78	<13	PASS
		1	24	3.72	<13	PASS
		1	49	3.72	<13	PASS
		25	0	4.95	<13	PASS
		25	12	4.94	<13	PASS
		25	25	4.87	<13	PASS
		50	0	5.02	<13	PASS
	MCH	1	0	4.32	<13	PASS
		1	24	4.3	<13	PASS
		1	49	4.45	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.78	<13	PASS
		25	25	5.76	<13	PASS
		50	0	5.78	<13	PASS

		1	0	3.6	<13	PASS
	HCH	1	24	3.78	<13	PASS
		1	49	4.11	<13	PASS
		25	0	4.84	<13	PASS
		25	12	5.04	<13	PASS
		25	25	5.16	<13	PASS
		50	0	5.08	<13	PASS
		1	0	4.56	<13	PASS
	LCH	1	24	4.53	<13	PASS
		1	49	4.7	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.83	<13	PASS
		50	0	5.82	<13	PASS
		1	0	5.09	<13	PASS
	MCH	1	24	5.16	<13	PASS
		1	49	5.42	<13	PASS
		25	0	6.4	<13	PASS
		25	12	6.52	<13	PASS
		25	25	6.62	<13	PASS
		50	0	6.54	<13	PASS
		1	0	4.34	<13	PASS
	HCH	1	24	4.55	<13	PASS
		1	49	4.75	<13	PASS
		25	0	5.75	<13	PASS
		25	12	5.88	<13	PASS
		25	25	6.09	<13	PASS
		50	0	5.93	<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	3.76	<13	PASS
		1	37	3.62	<13	PASS
		1	74	3.87	<13	PASS
		37	0	4.94	<13	PASS
		37	18	4.94	<13	PASS
		37	38	4.96	<13	PASS
		75	0	5.34	<13	PASS
	MCH	1	0	4.18	<13	PASS

		1	37	4.81	<13	PASS
		1	74	4.41	<13	PASS
		37	0	5.63	<13	PASS
		37	18	5.7	<13	PASS
		37	38	5.75	<13	PASS
		75	0	6	<13	PASS
	HCH	1	0	3.84	<13	PASS
		1	37	3.71	<13	PASS
		1	74	3.95	<13	PASS
		37	0	4.82	<13	PASS
		37	18	4.82	<13	PASS
		37	38	5.12	<13	PASS
		75	0	5.39	<13	PASS
16QAM	LCH	1	0	4.71	<13	PASS
		1	37	4.55	<13	PASS
		1	74	4.54	<13	PASS
		37	0	5.75	<13	PASS
		37	18	5.75	<13	PASS
		37	38	5.82	<13	PASS
		75	0	6	<13	PASS
	MCH	1	0	4.84	<13	PASS
		1	37	5.31	<13	PASS
		1	74	5.15	<13	PASS
		37	0	6.44	<13	PASS
		37	18	6.52	<13	PASS
		37	38	6.54	<13	PASS
		75	0	6.57	<13	PASS
	HCH	1	0	4.61	<13	PASS
		1	37	4.44	<13	PASS
		1	74	4.57	<13	PASS
		37	0	5.73	<13	PASS
		37	18	5.66	<13	PASS
		37	38	5.91	<13	PASS
		75	0	6.02	<13	PASS

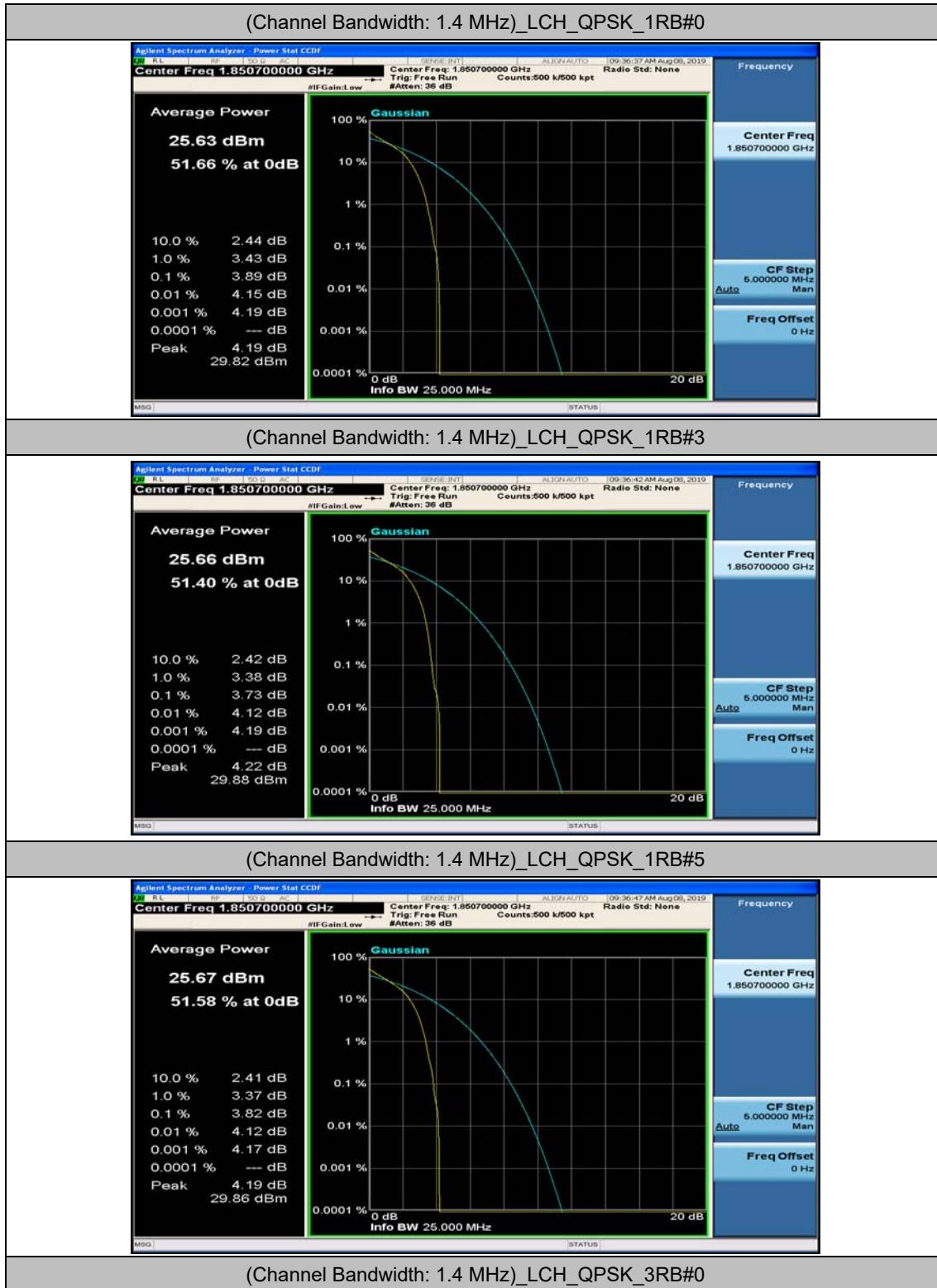
Channel Bandwidth: 20 MHz

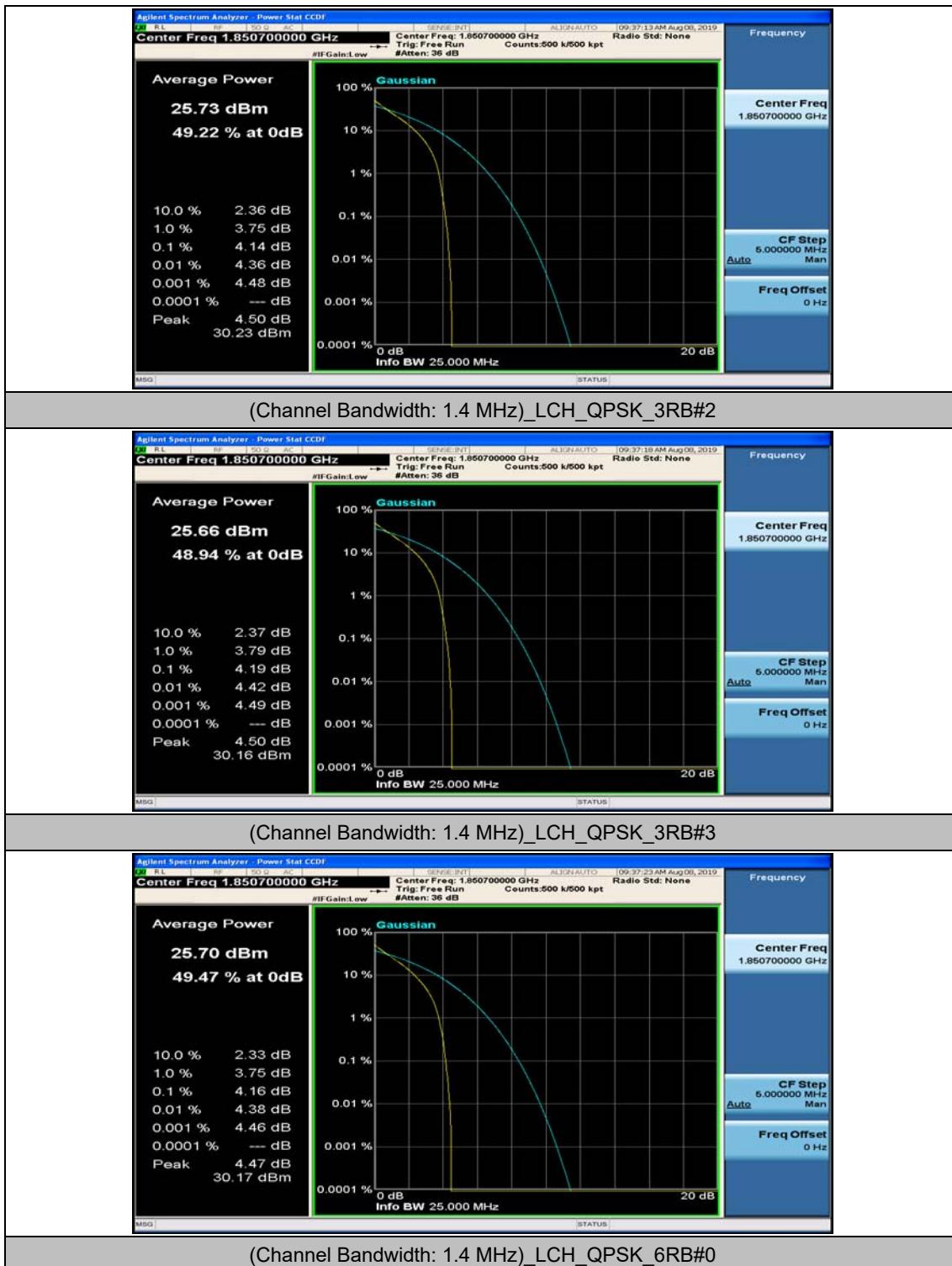
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.58	<13	PASS
		1	49	3.7	<13	PASS
		1	99	4.04	<13	PASS
		50	0	5.05	<13	PASS
		50	25	5.01	<13	PASS
		50	50	5.14	<13	PASS
		100	0	5.34	<13	PASS
	MCH	1	0	4.22	<13	PASS
		1	49	4.65	<13	PASS
		1	99	4.51	<13	PASS
		50	0	5.68	<13	PASS
		50	25	5.8	<13	PASS
		50	50	5.78	<13	PASS
		100	0	5.8	<13	PASS
16QAM	LCH	1	0	4.12	<13	PASS
		1	49	3.61	<13	PASS
		1	99	3.97	<13	PASS
		50	0	5.19	<13	PASS
		50	25	4.91	<13	PASS
		50	50	5.05	<13	PASS
		100	0	5.35	<13	PASS
	MCH	1	0	4.51	<13	PASS
		1	49	4.26	<13	PASS
		1	99	4.97	<13	PASS
		50	0	5.89	<13	PASS
		50	25	5.82	<13	PASS
		50	50	5.96	<13	PASS
		100	0	6.07	<13	PASS
	HCH	1	0	4.91	<13	PASS
		1	49	5.4	<13	PASS
		1	99	5.21	<13	PASS
		50	0	6.4	<13	PASS
		50	25	6.56	<13	PASS
		50	50	6.54	<13	PASS
		100	0	6.48	<13	PASS
	HCH	1	0	5.06	<13	PASS

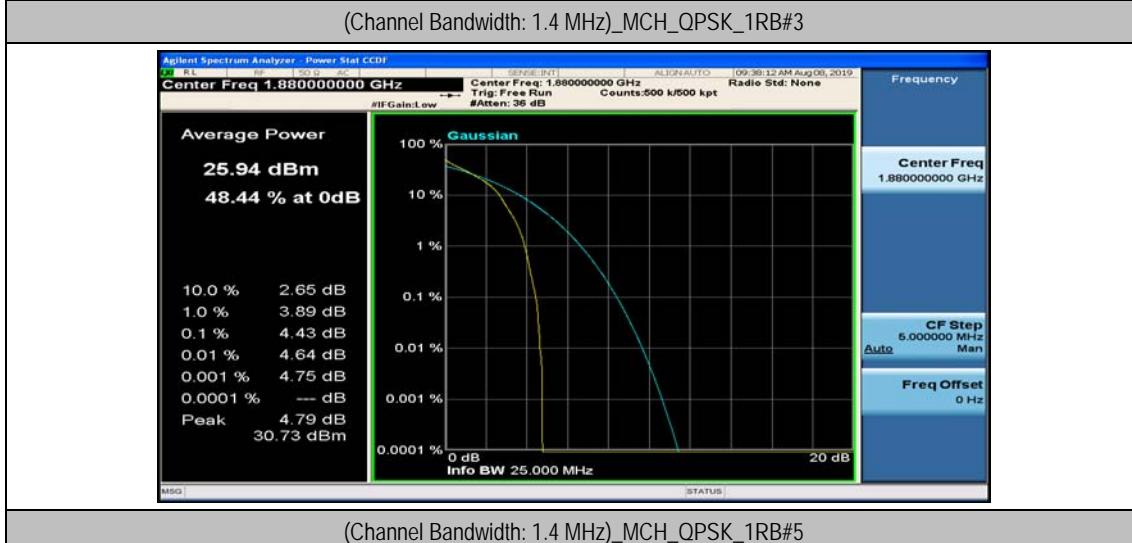
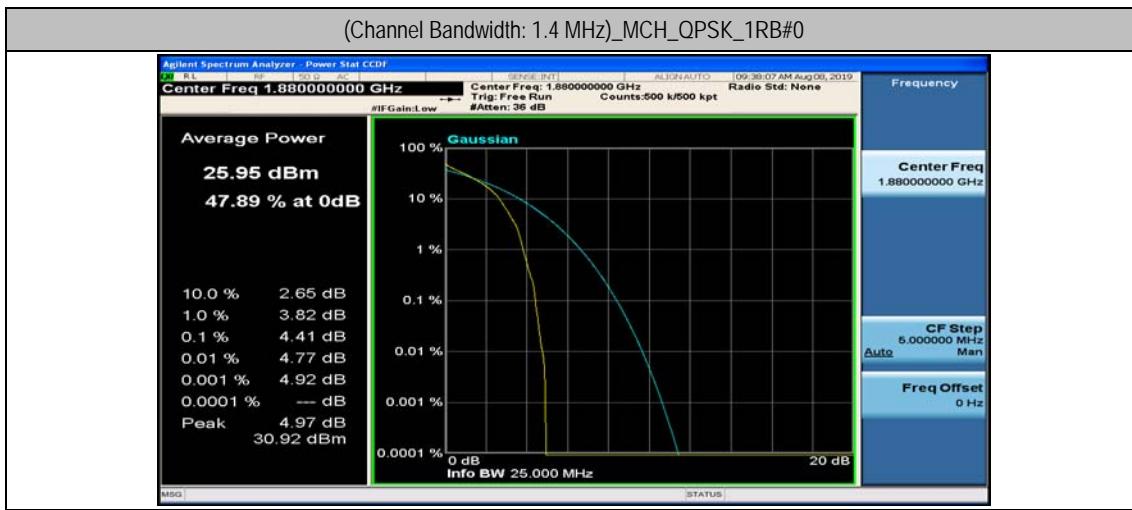
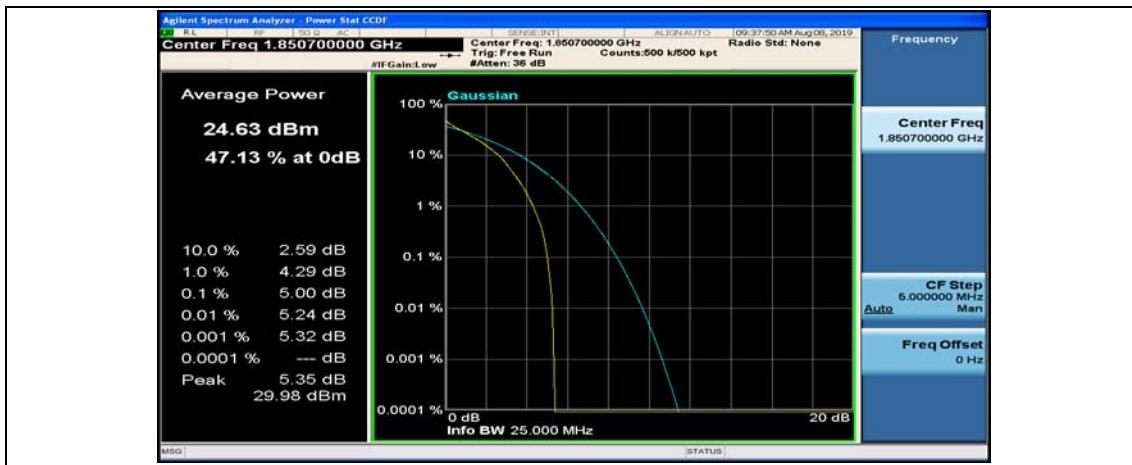
		1	49	4.52	<13	PASS
		1	99	4.57	<13	PASS
		50	0	6.01	<13	PASS
		50	25	5.78	<13	PASS
		50	50	5.94	<13	PASS
		100	0	6.14	<13	PASS

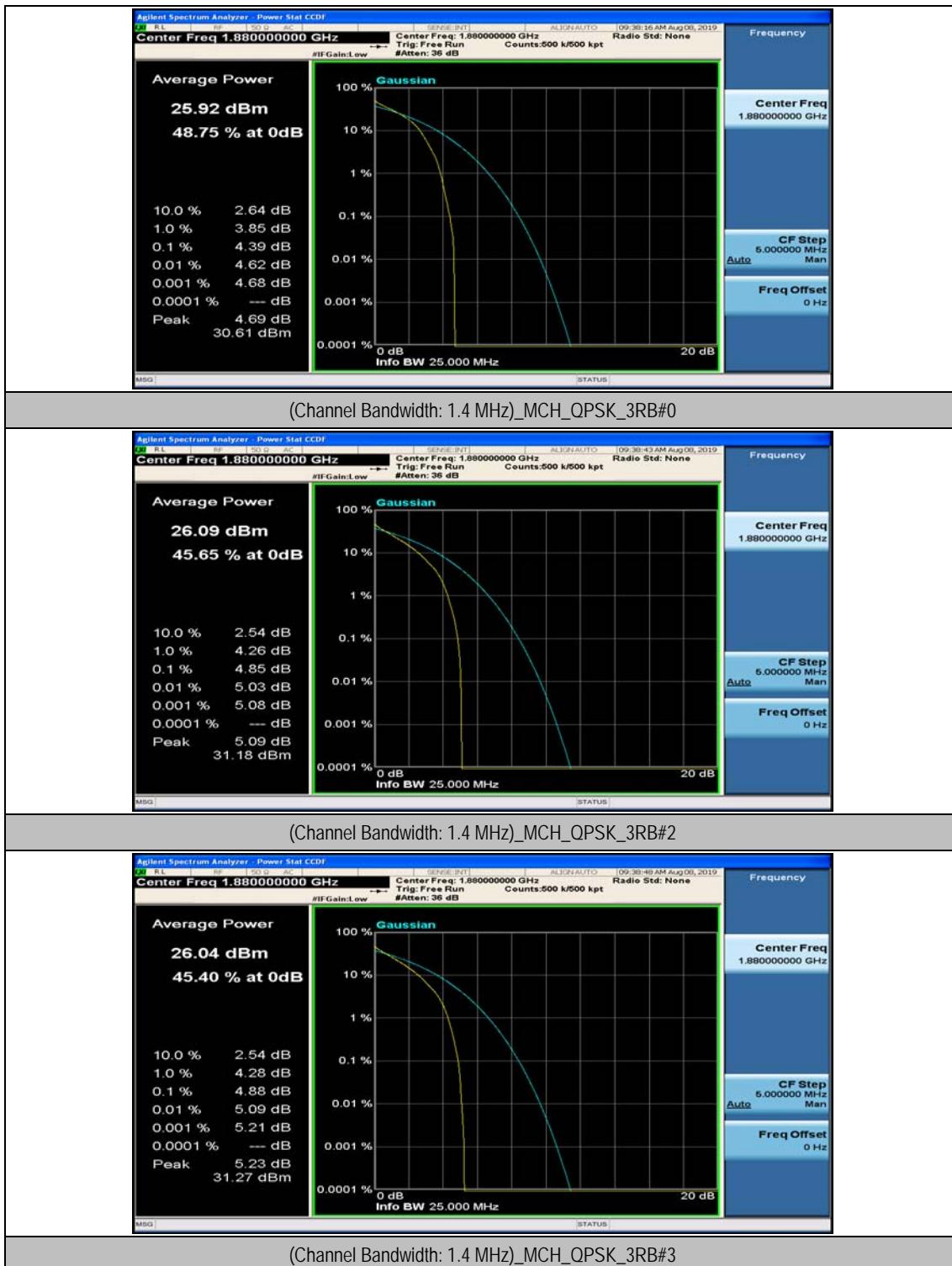
Test Graphs

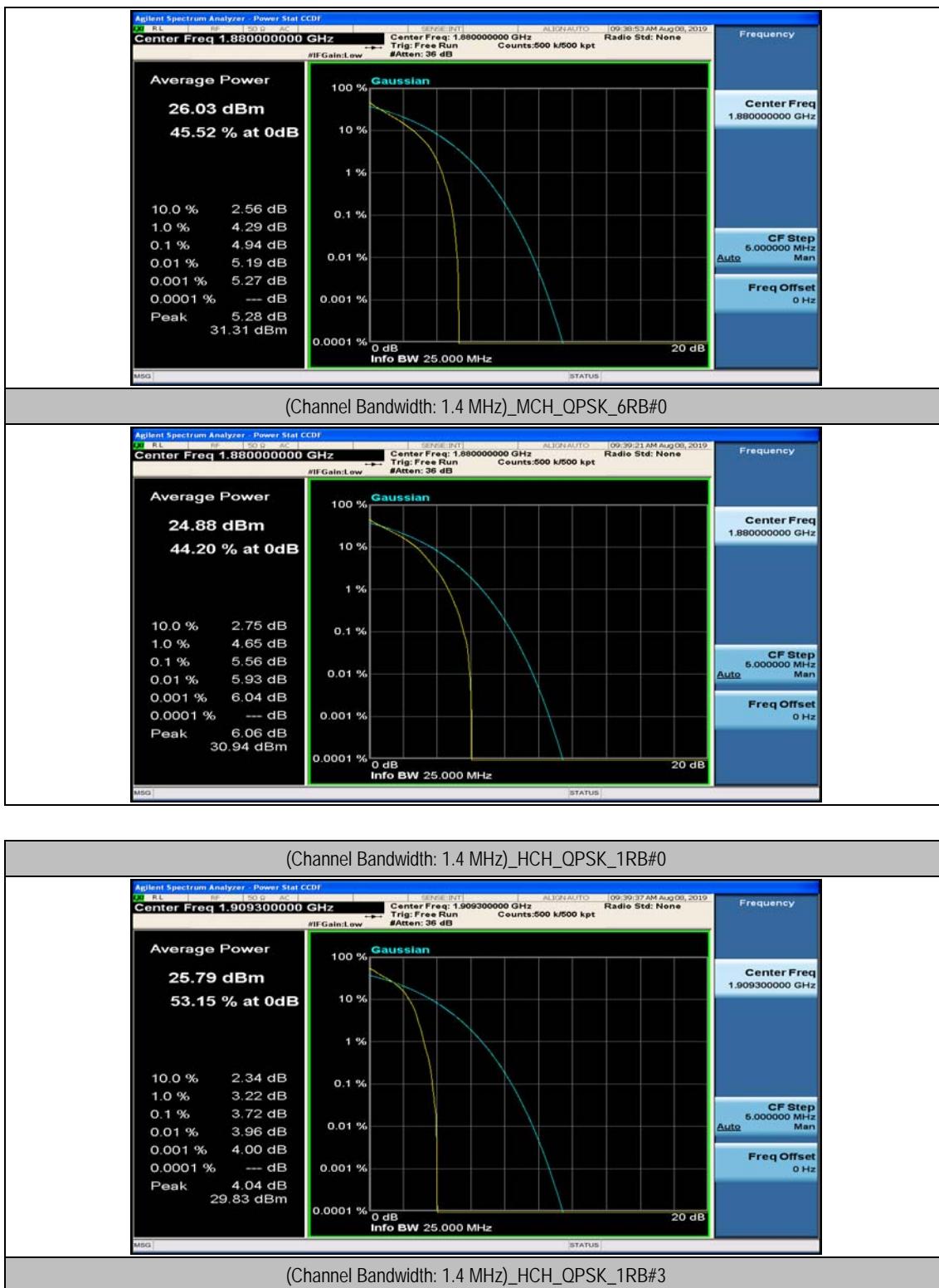
Channel Bandwidth: 1.4 MHz

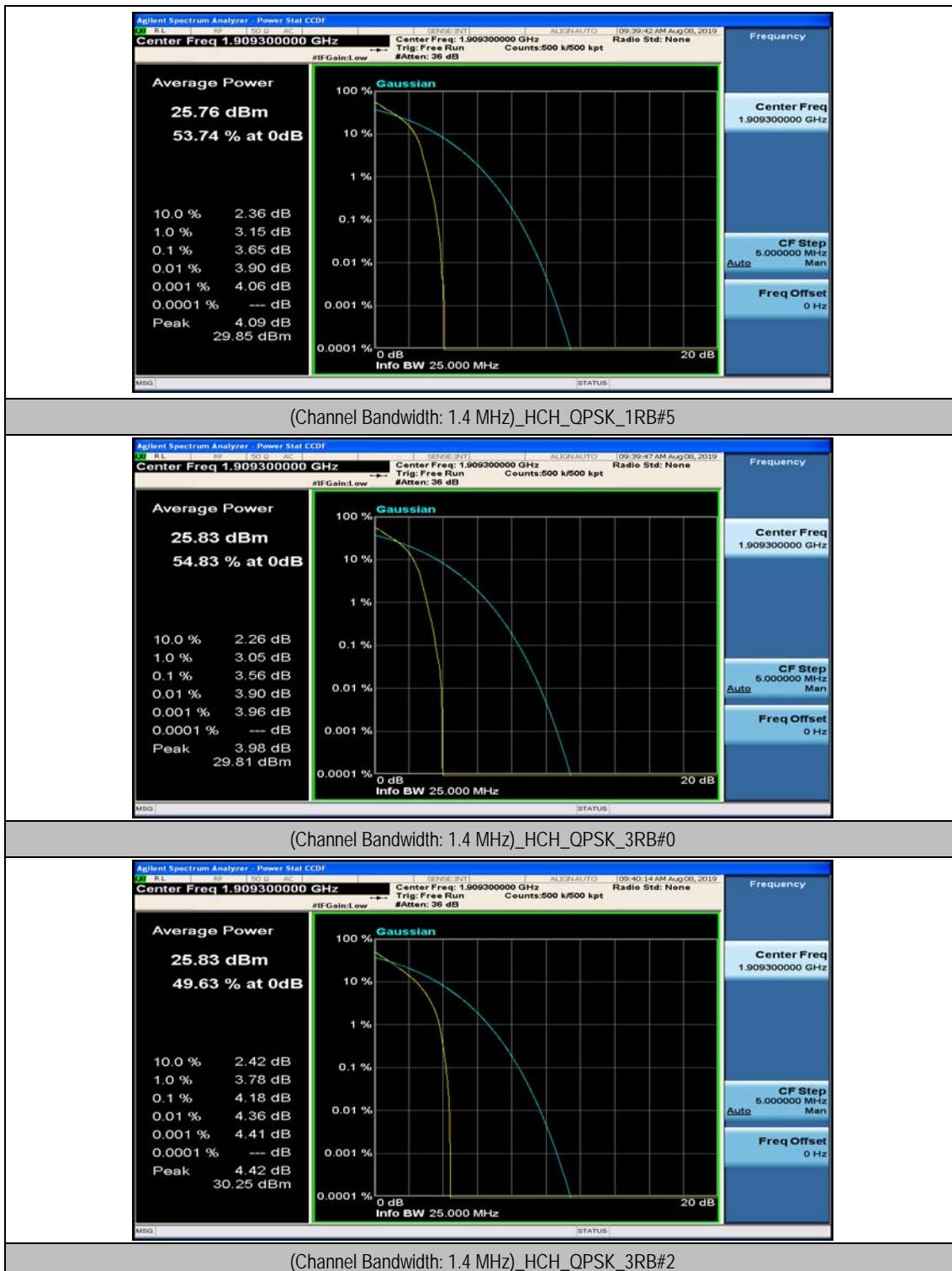


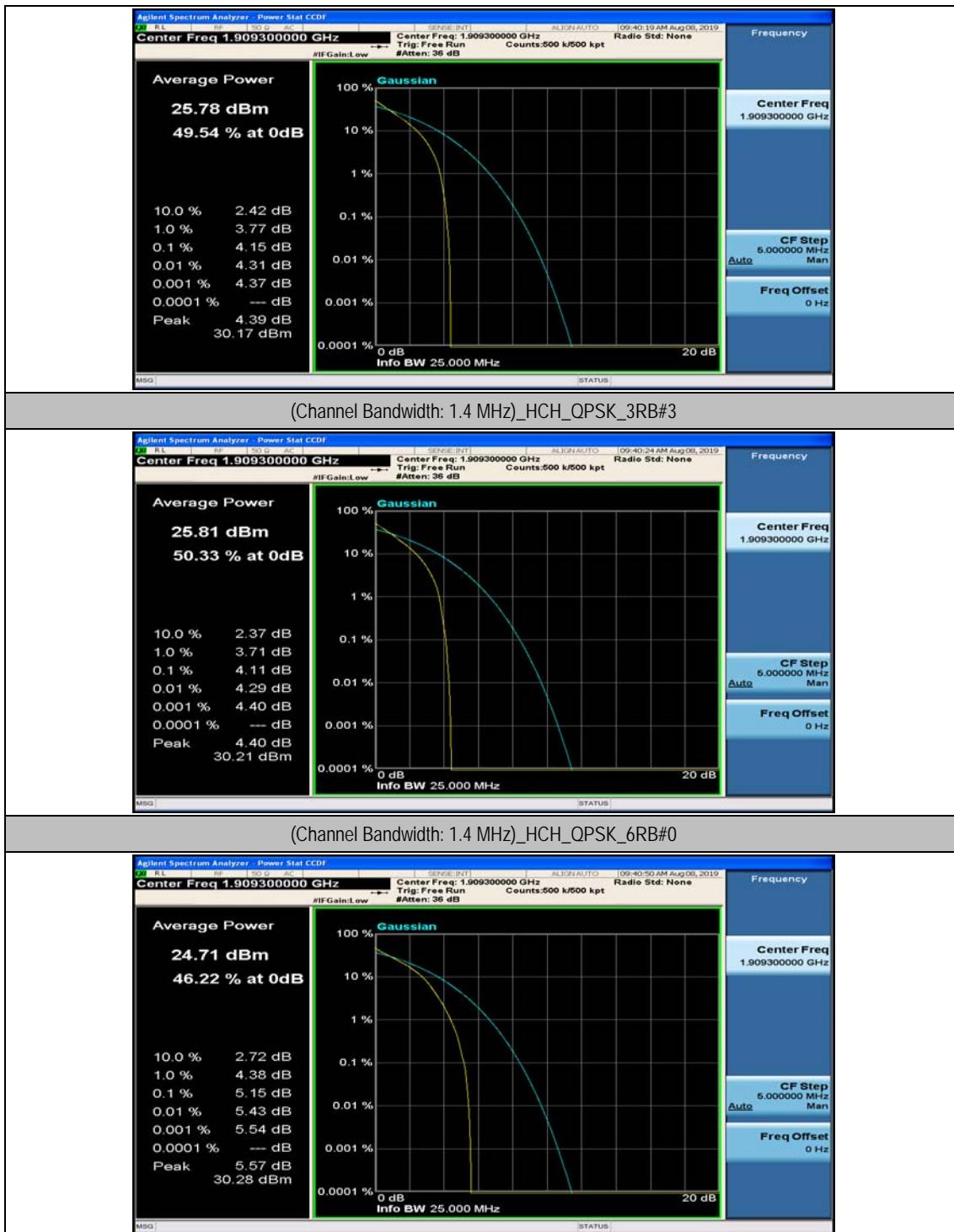


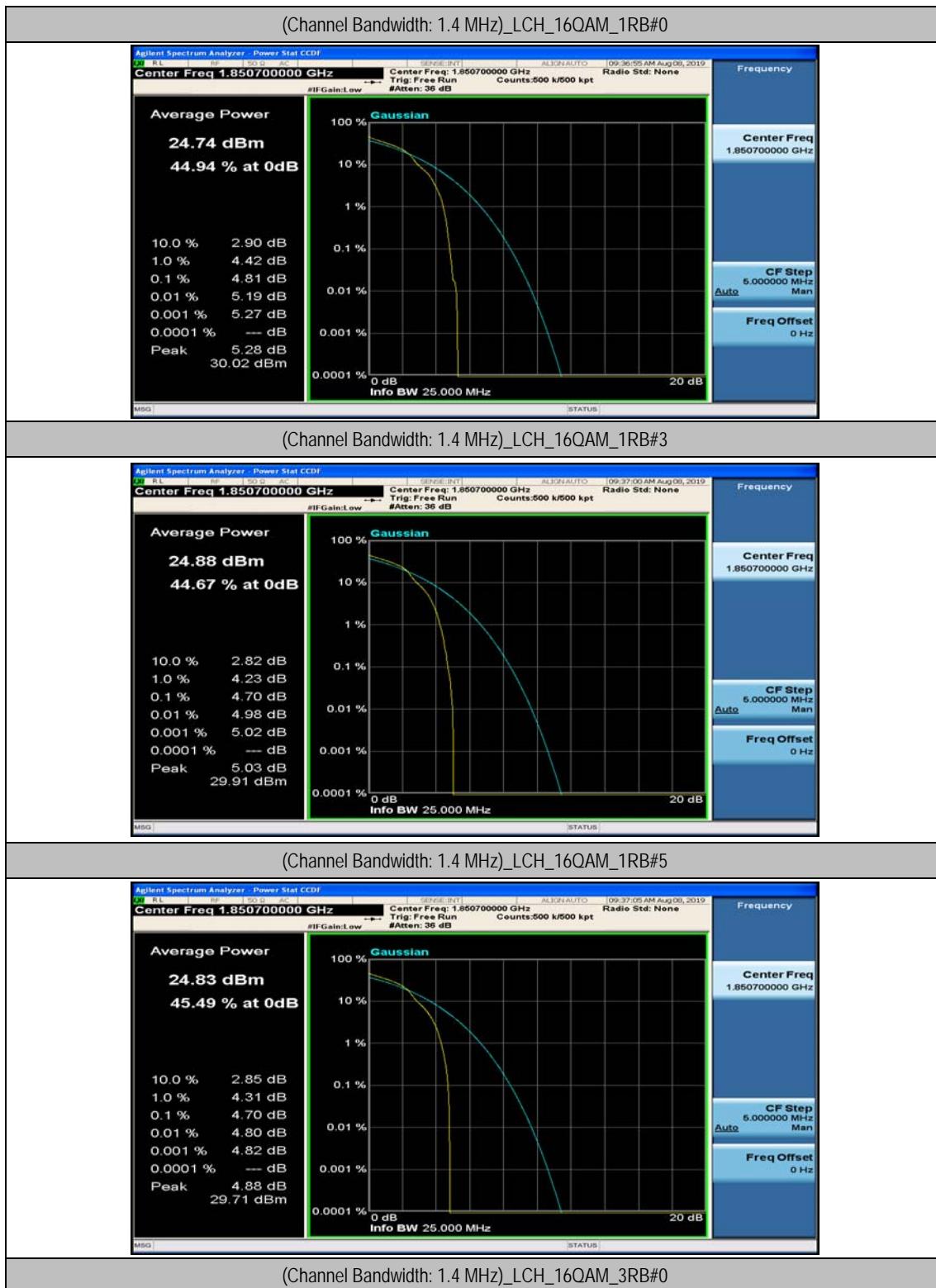


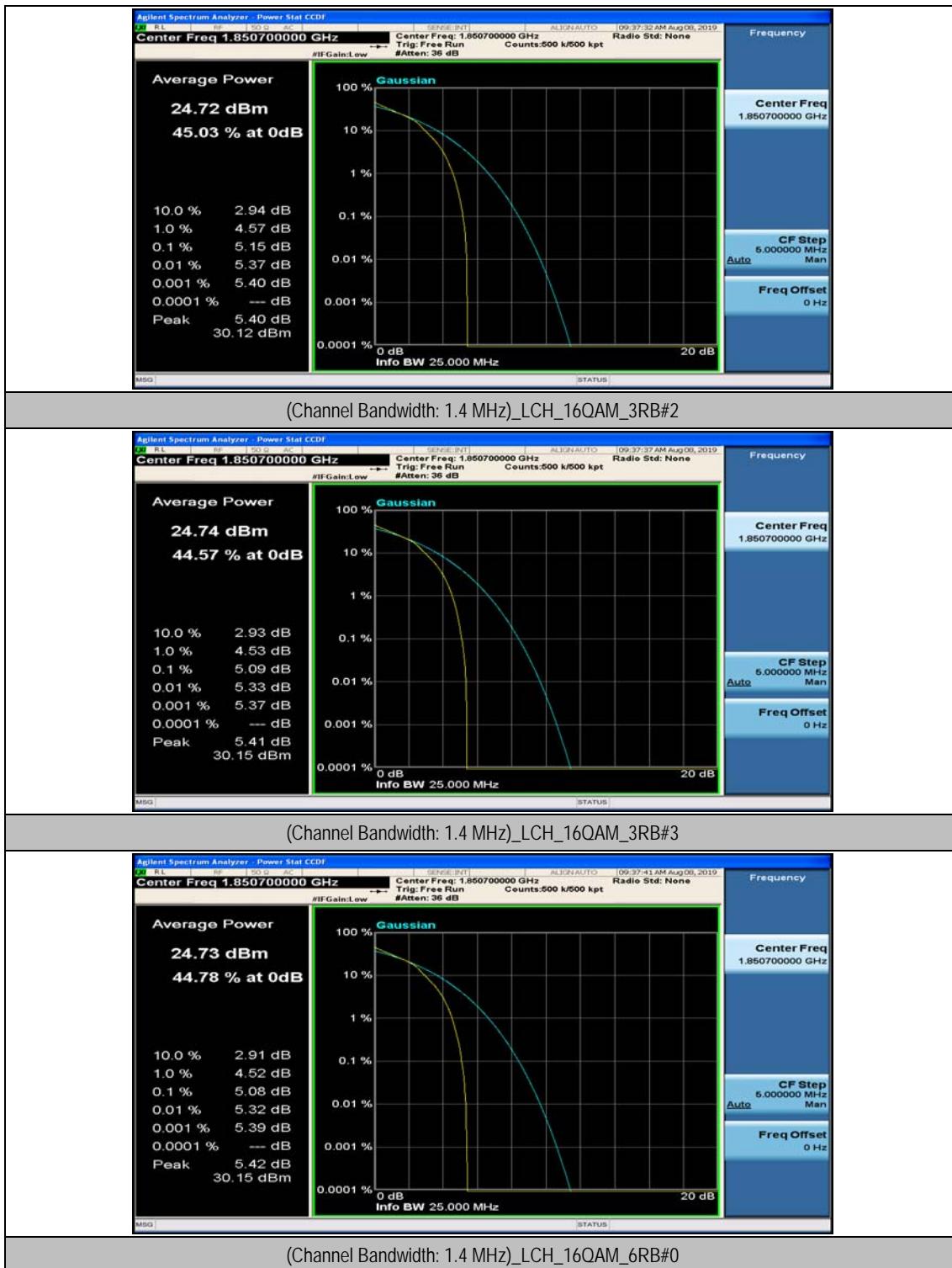


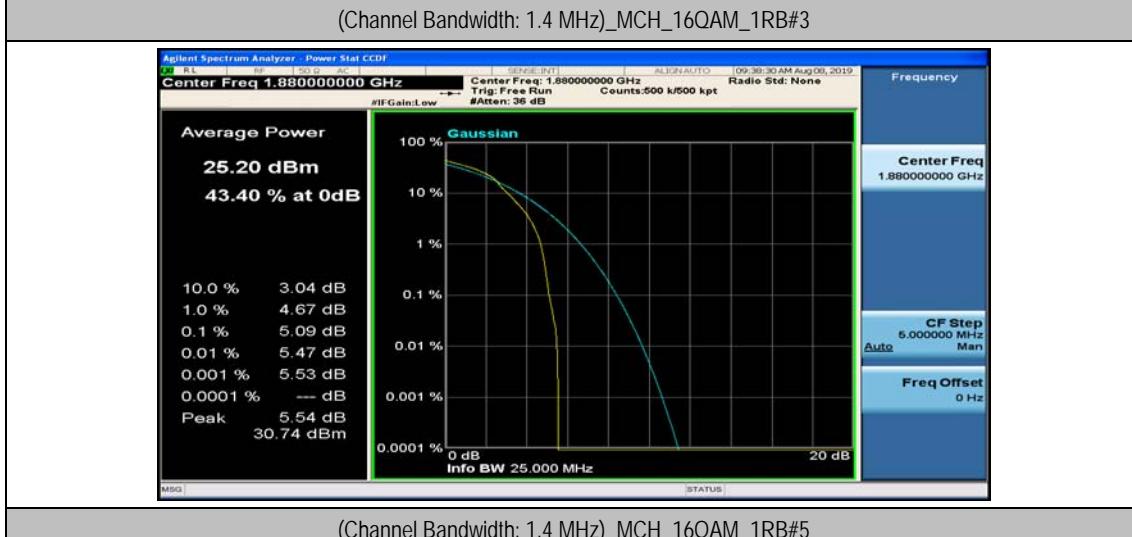
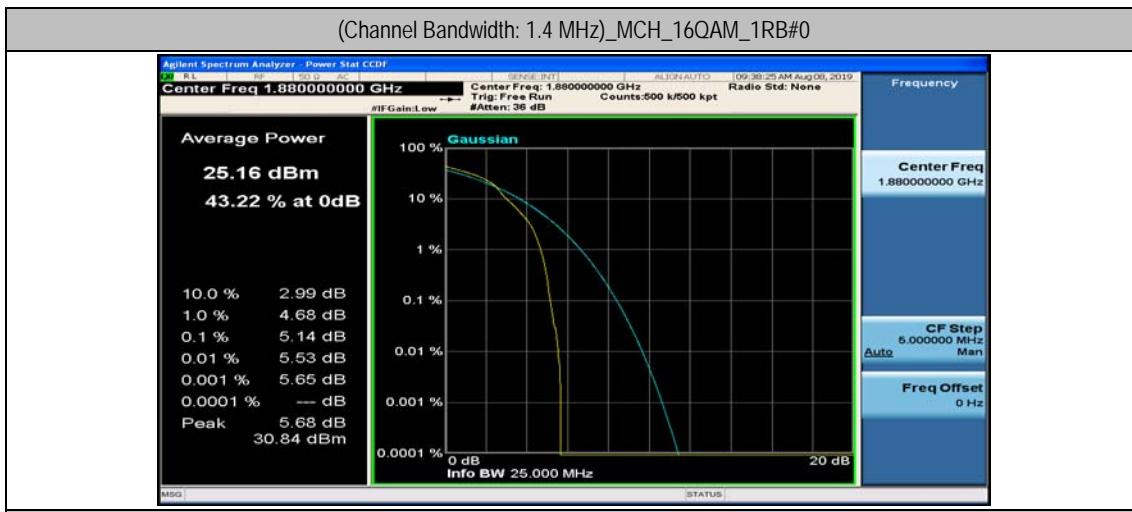
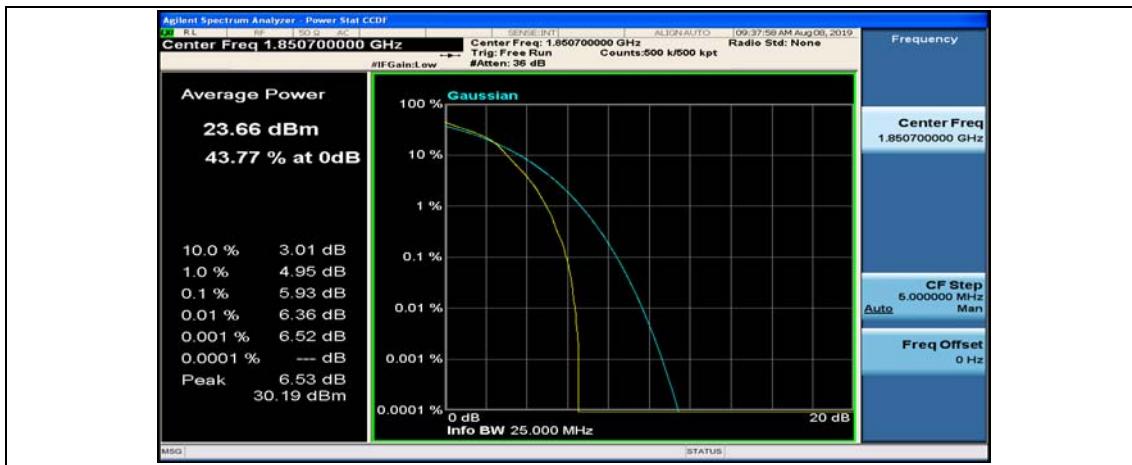


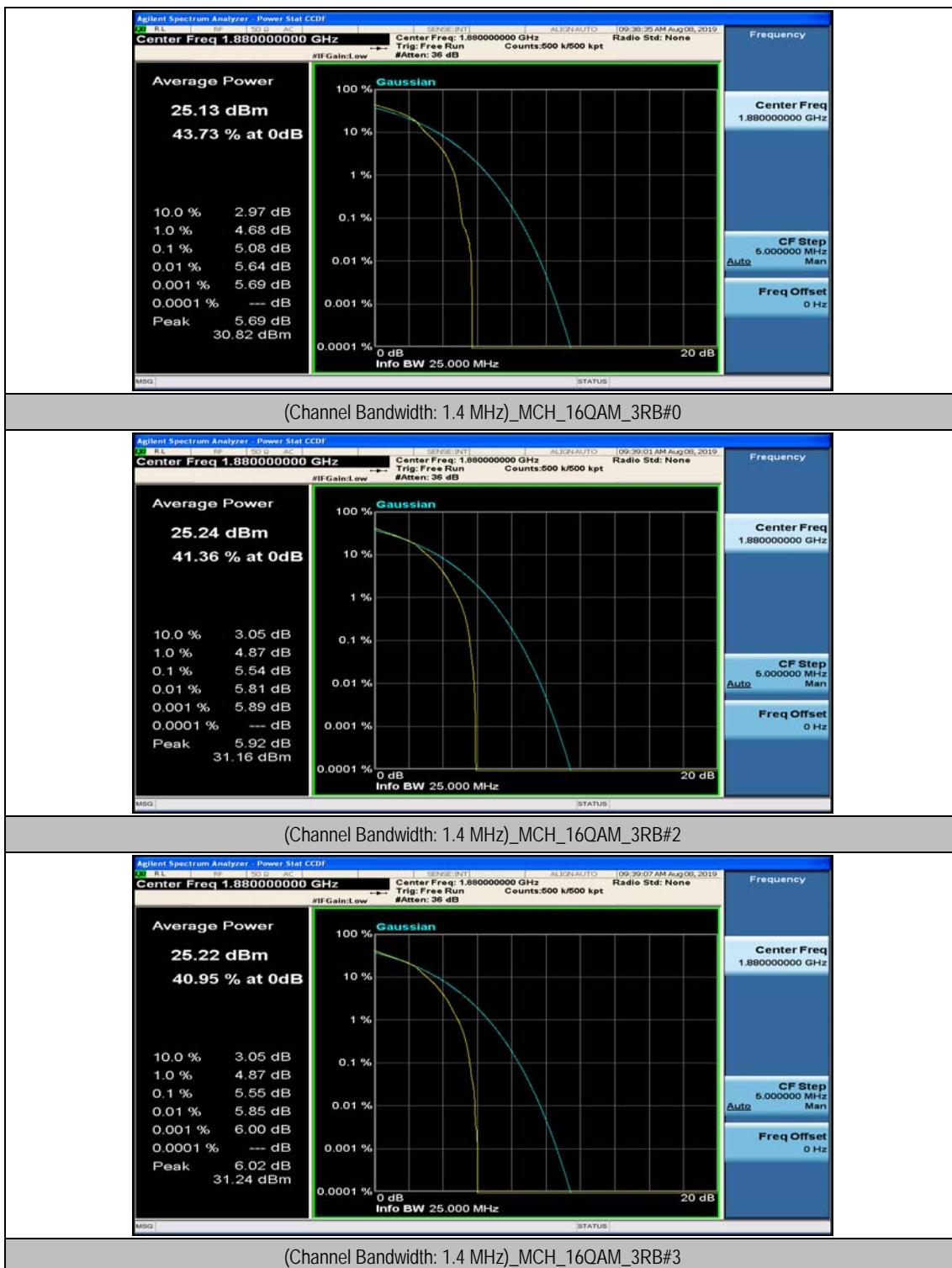


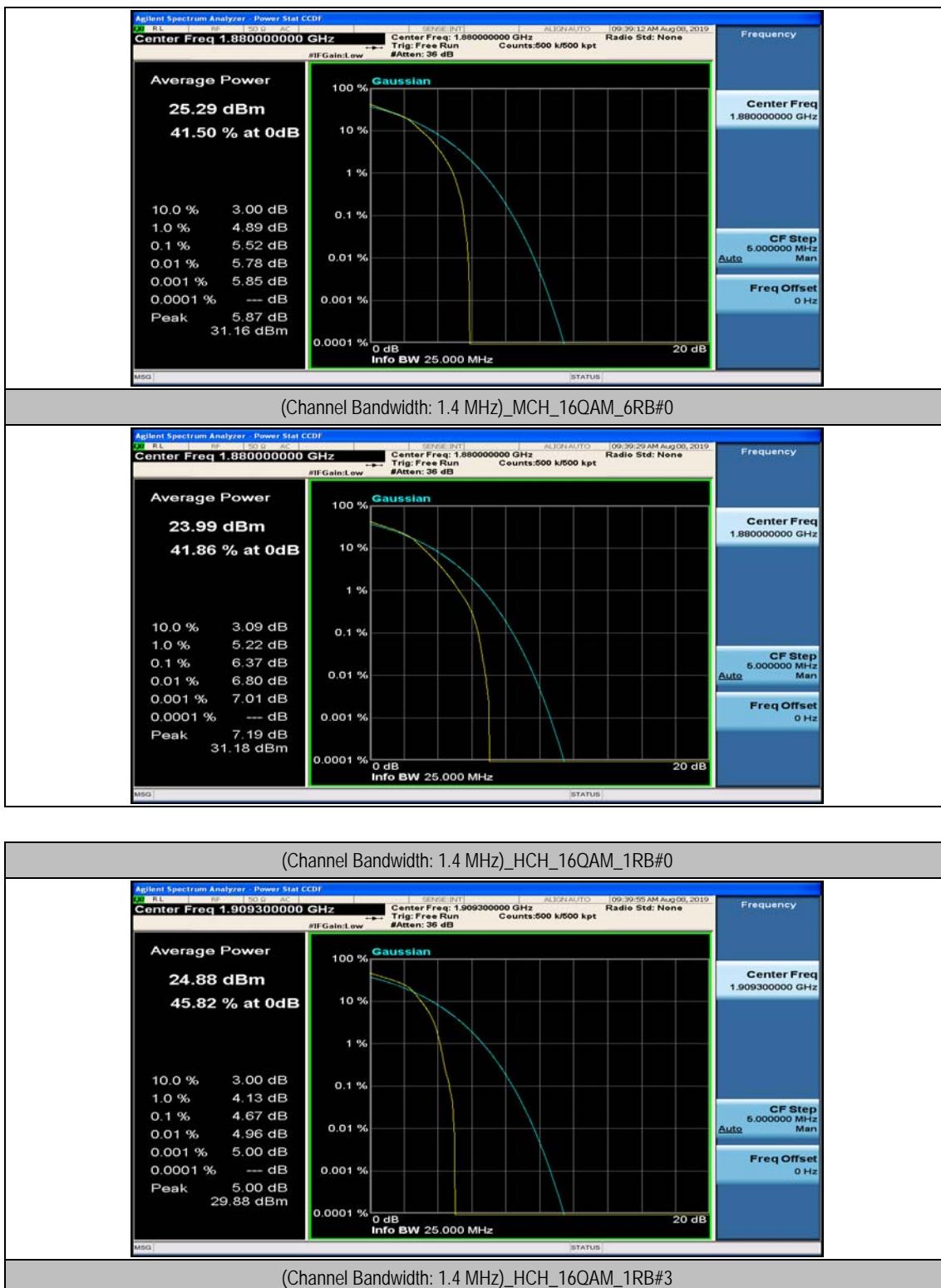


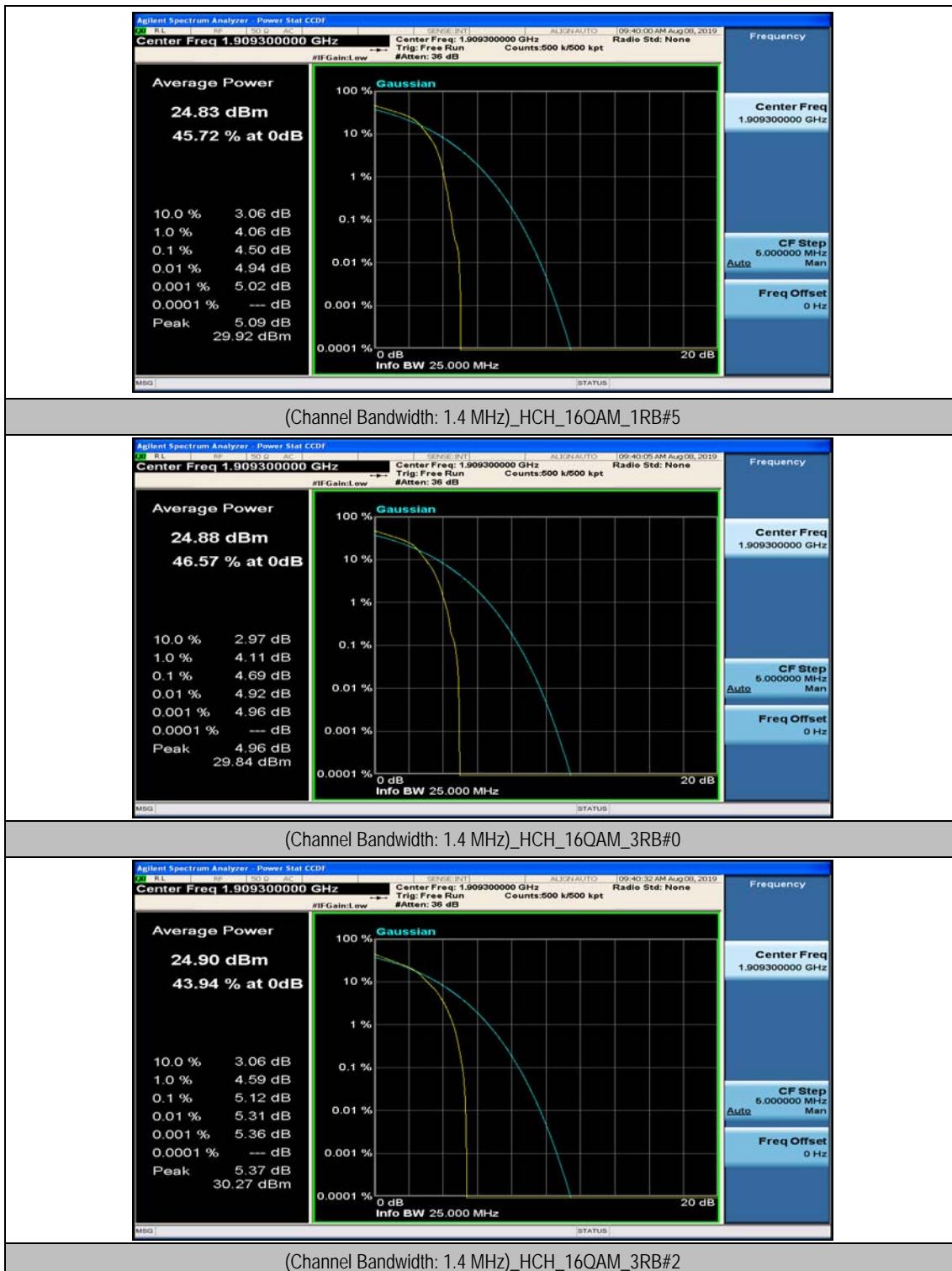


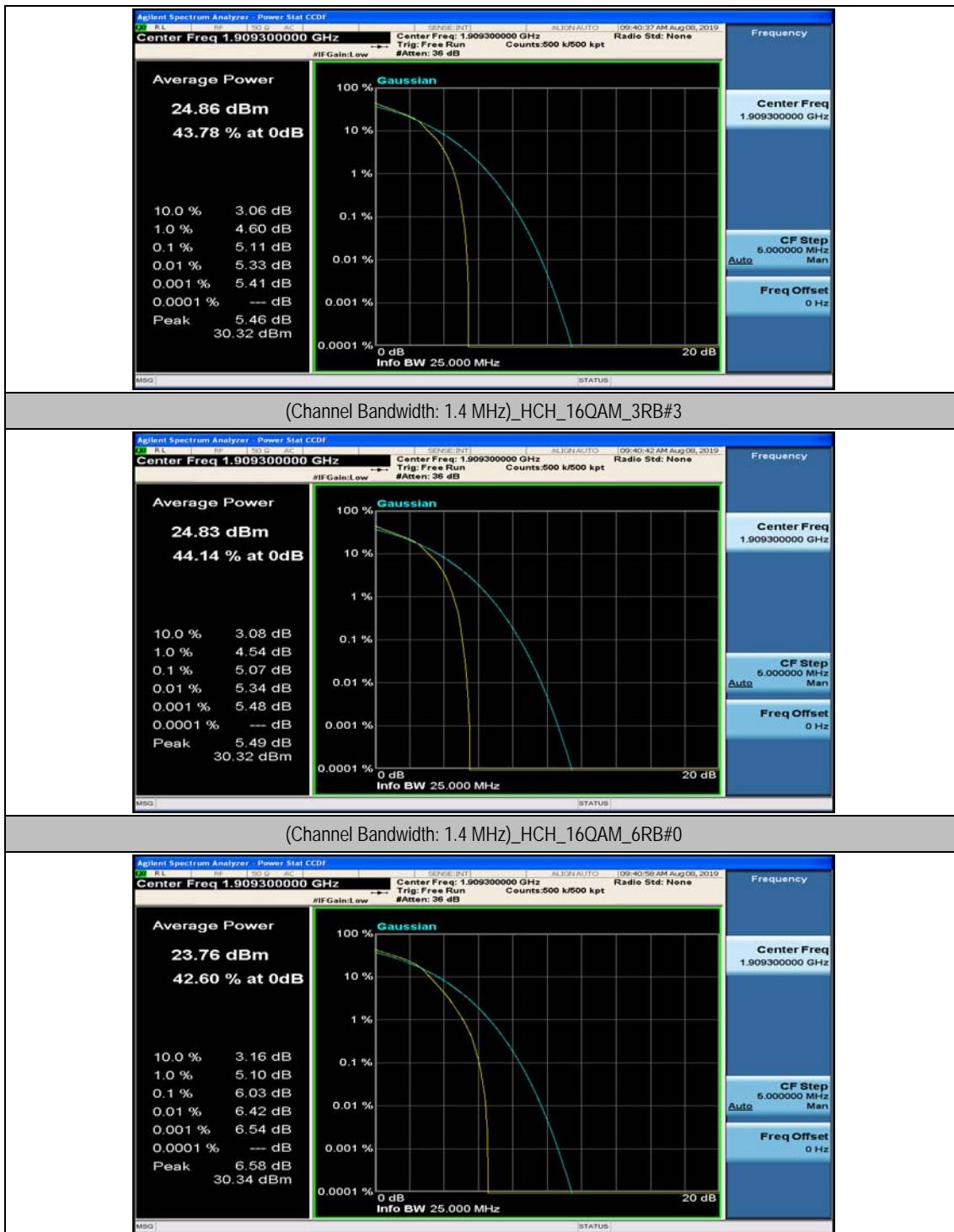




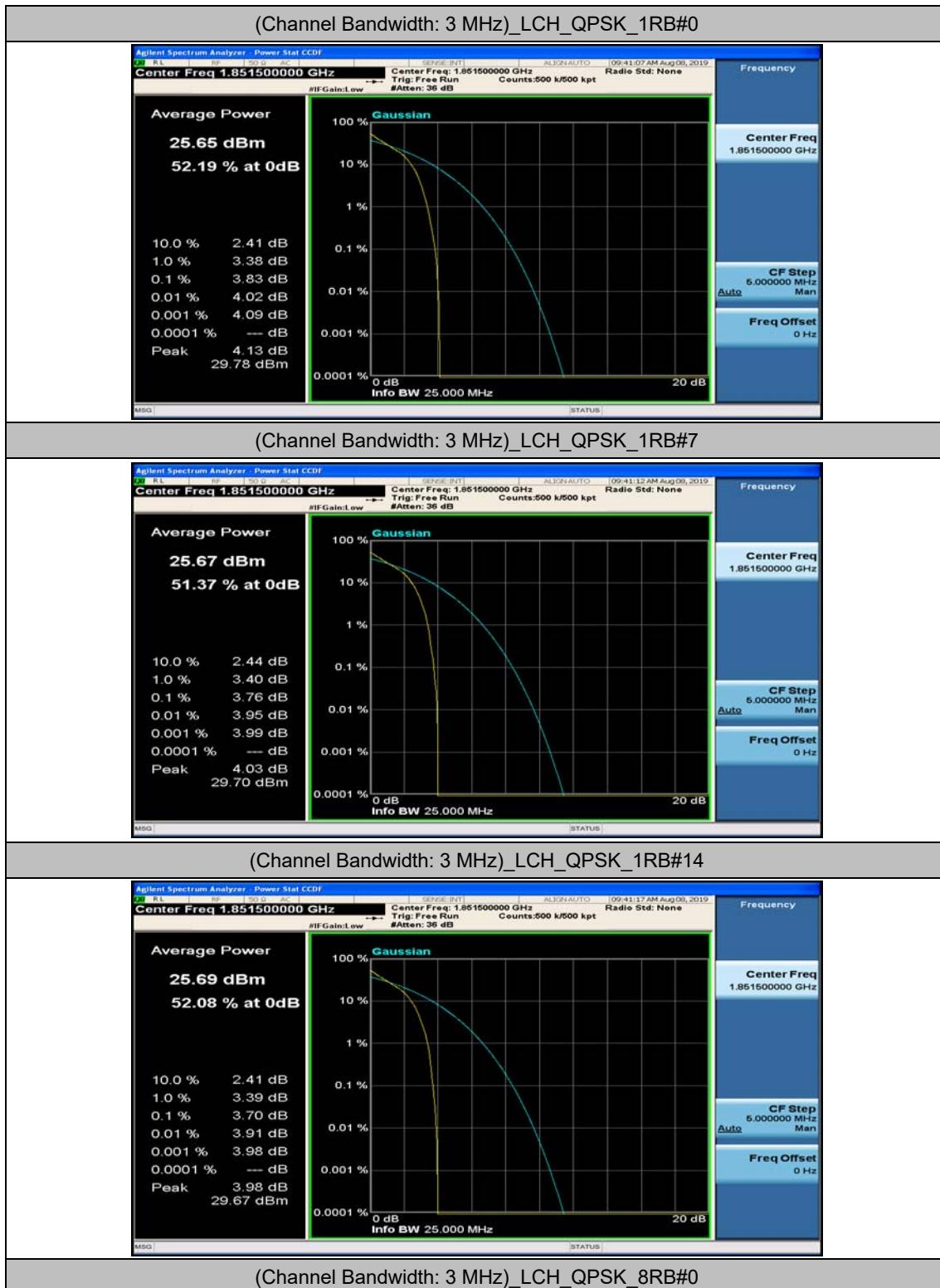


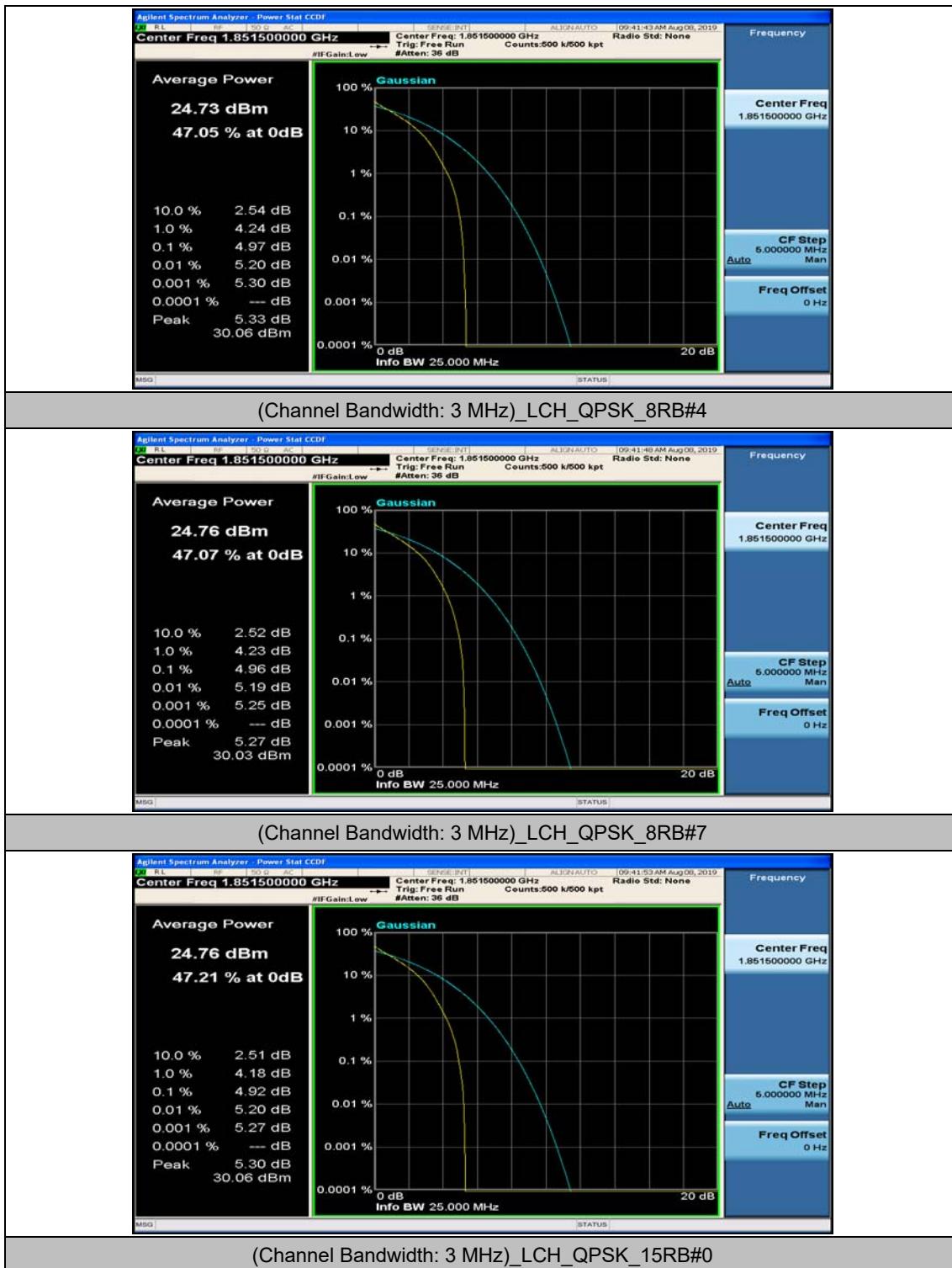


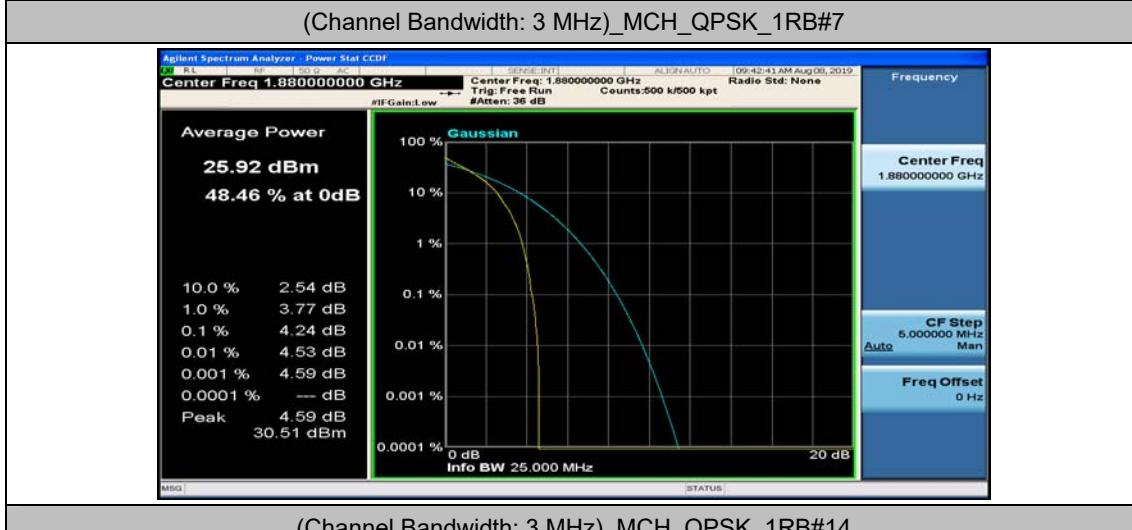
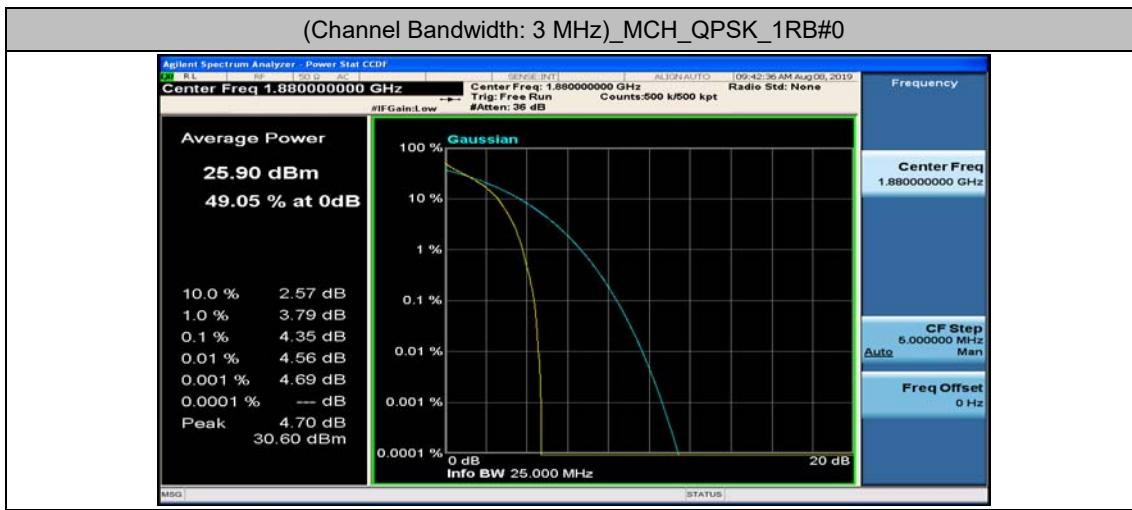
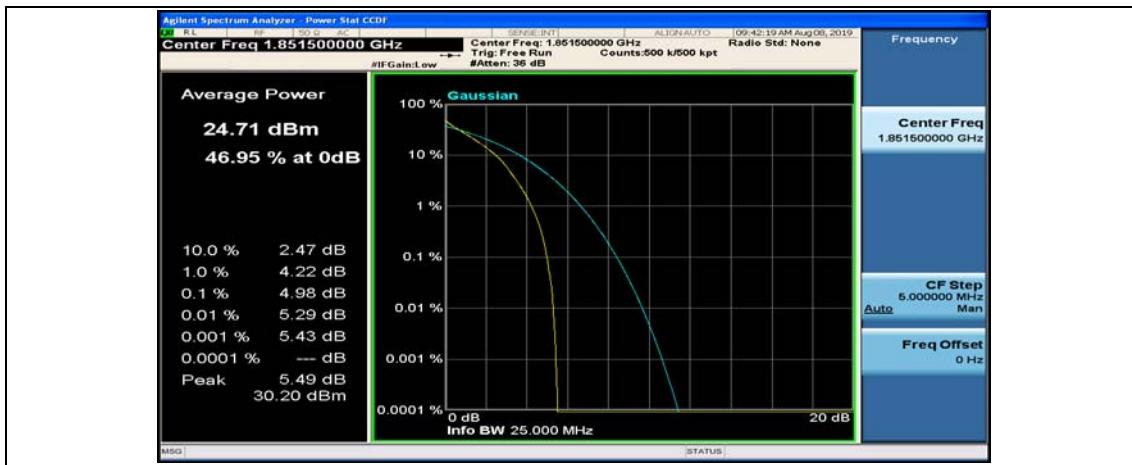




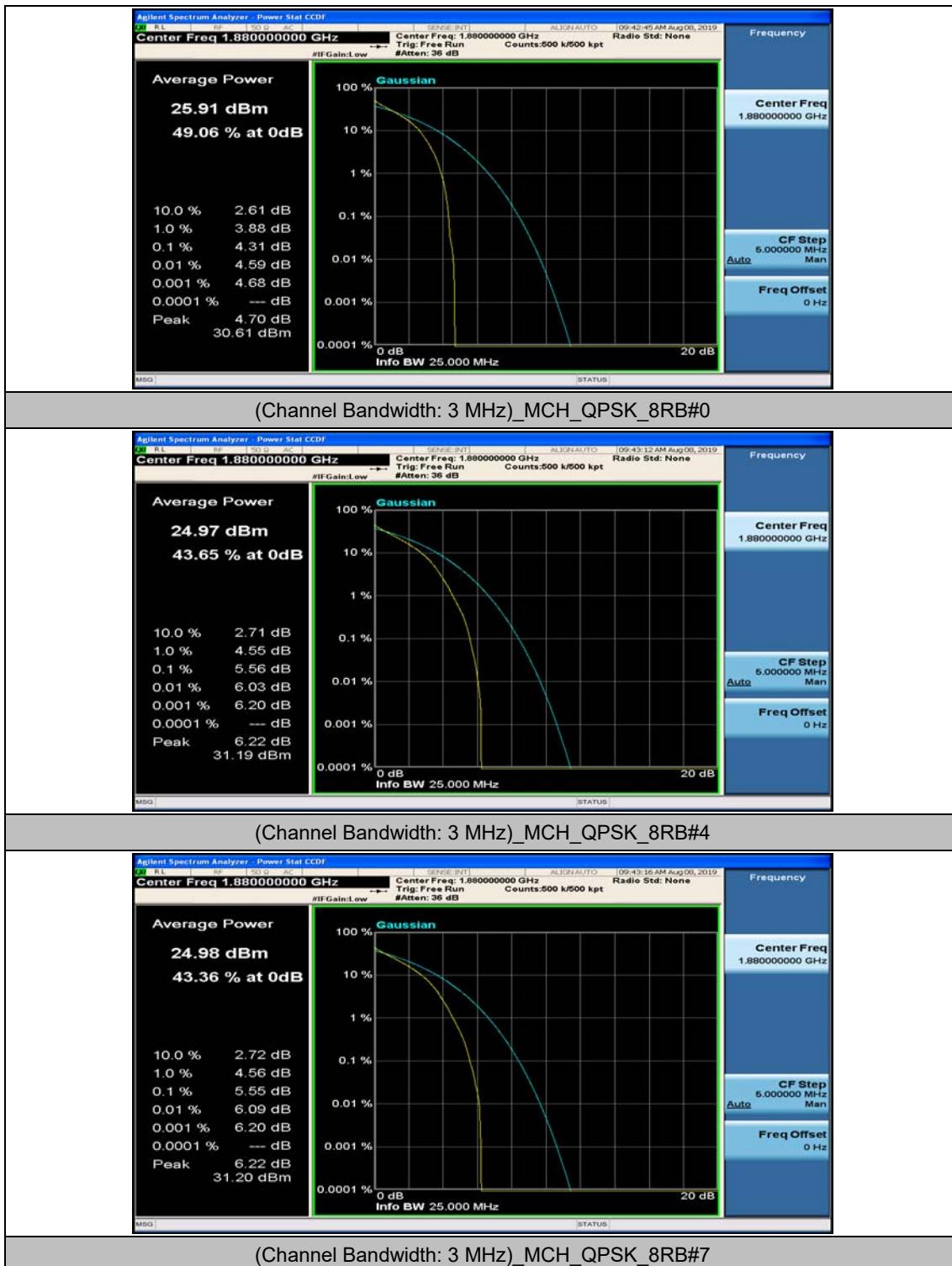
Channel Bandwidth: 3 MHz

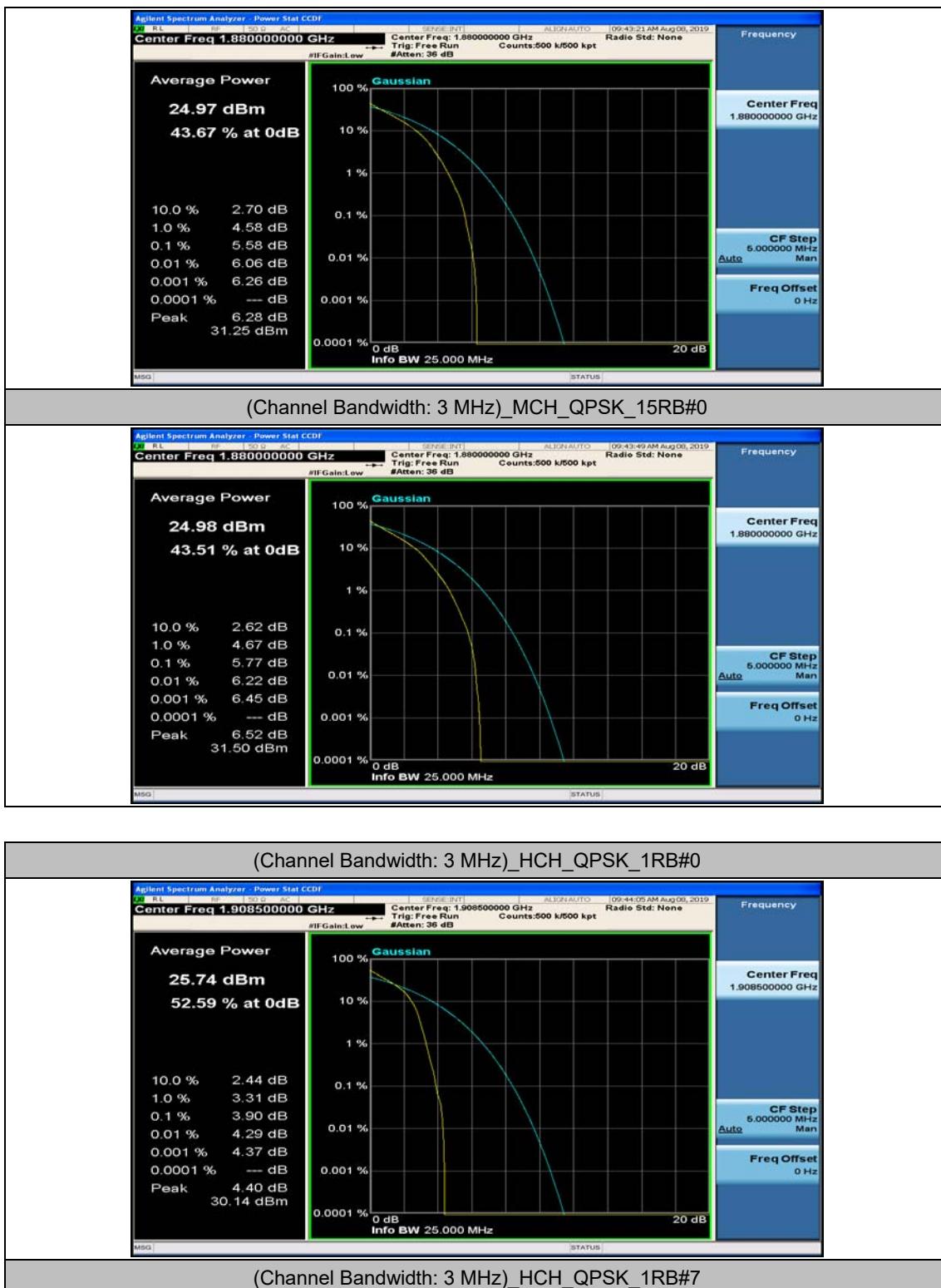


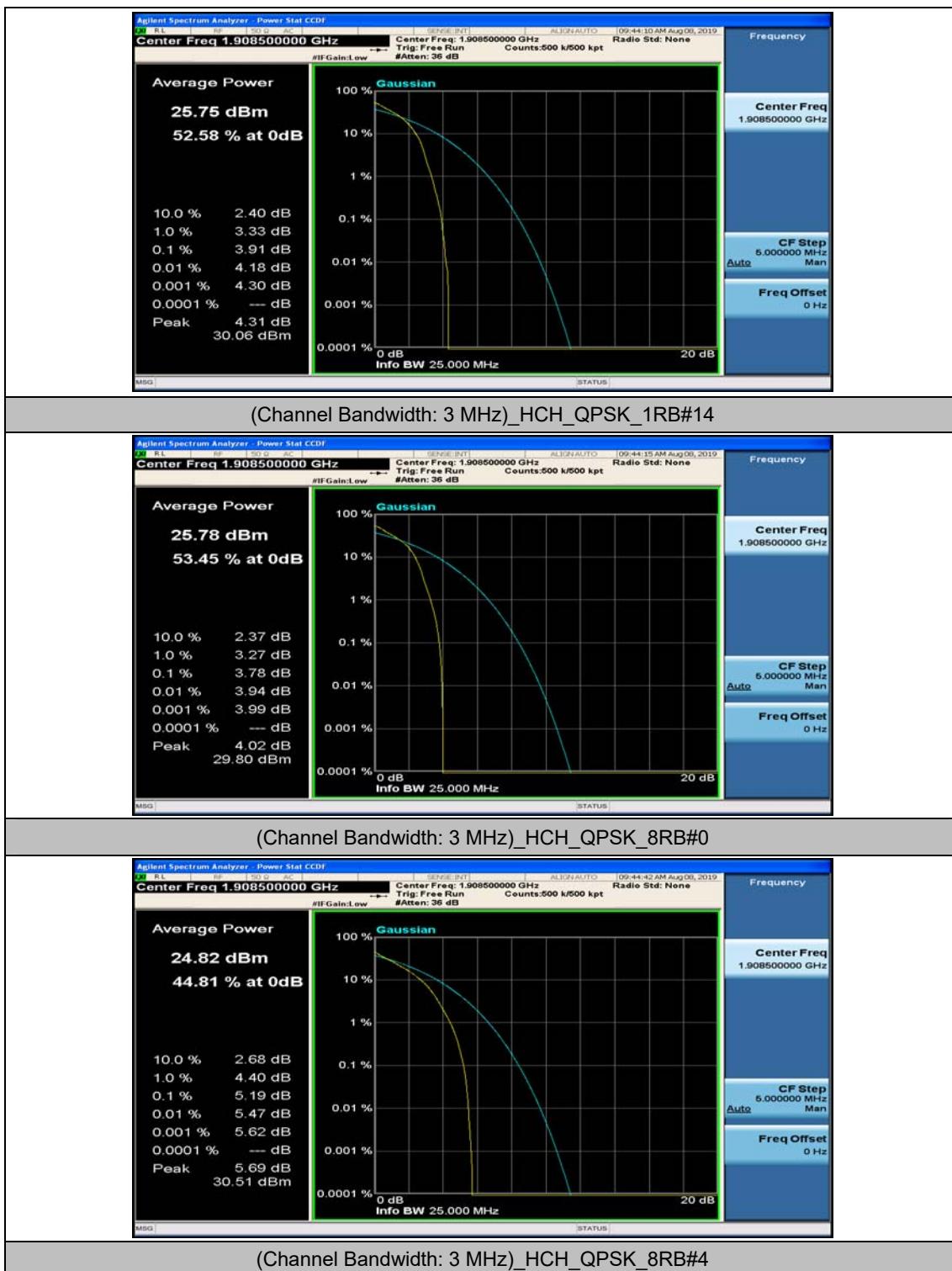


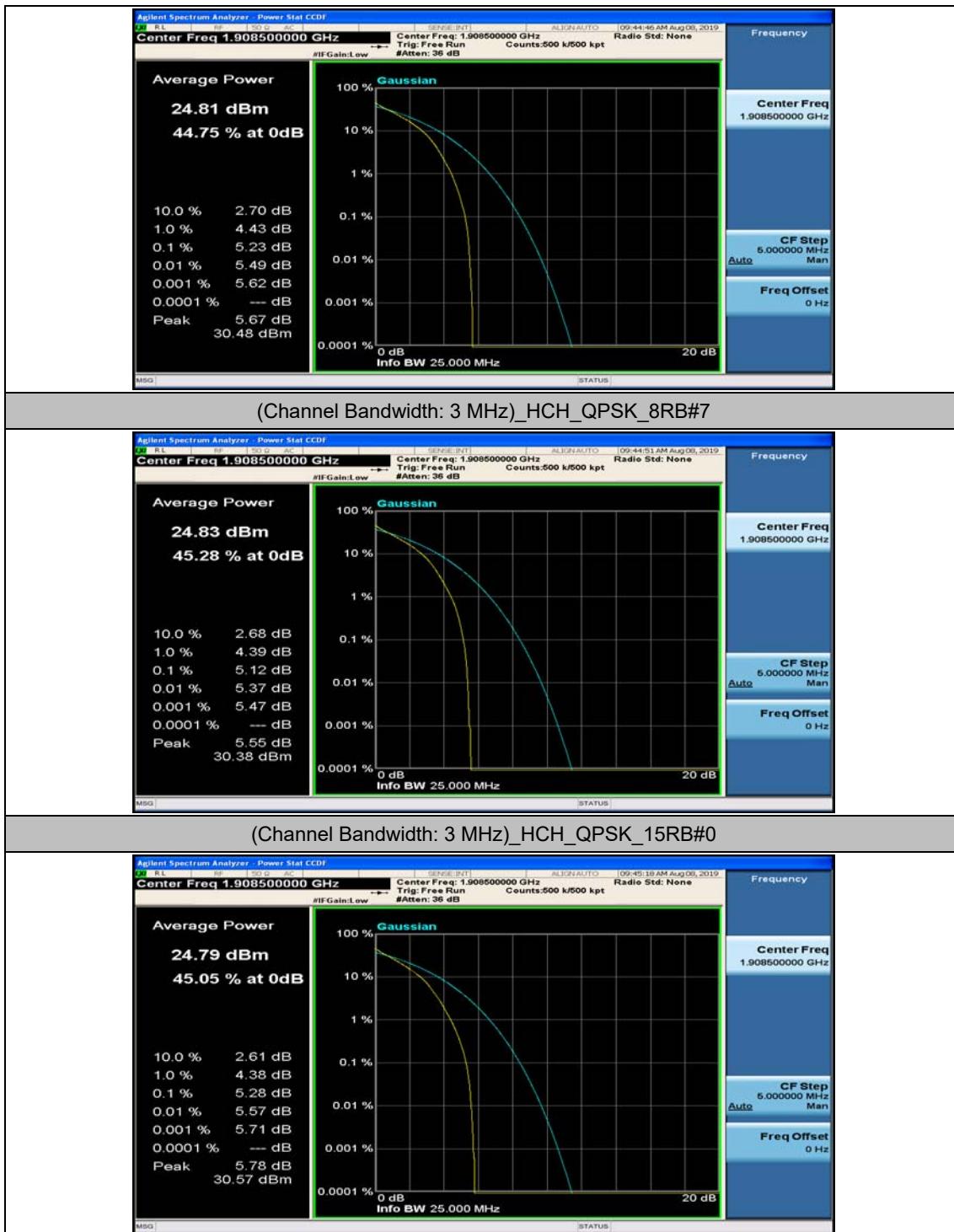


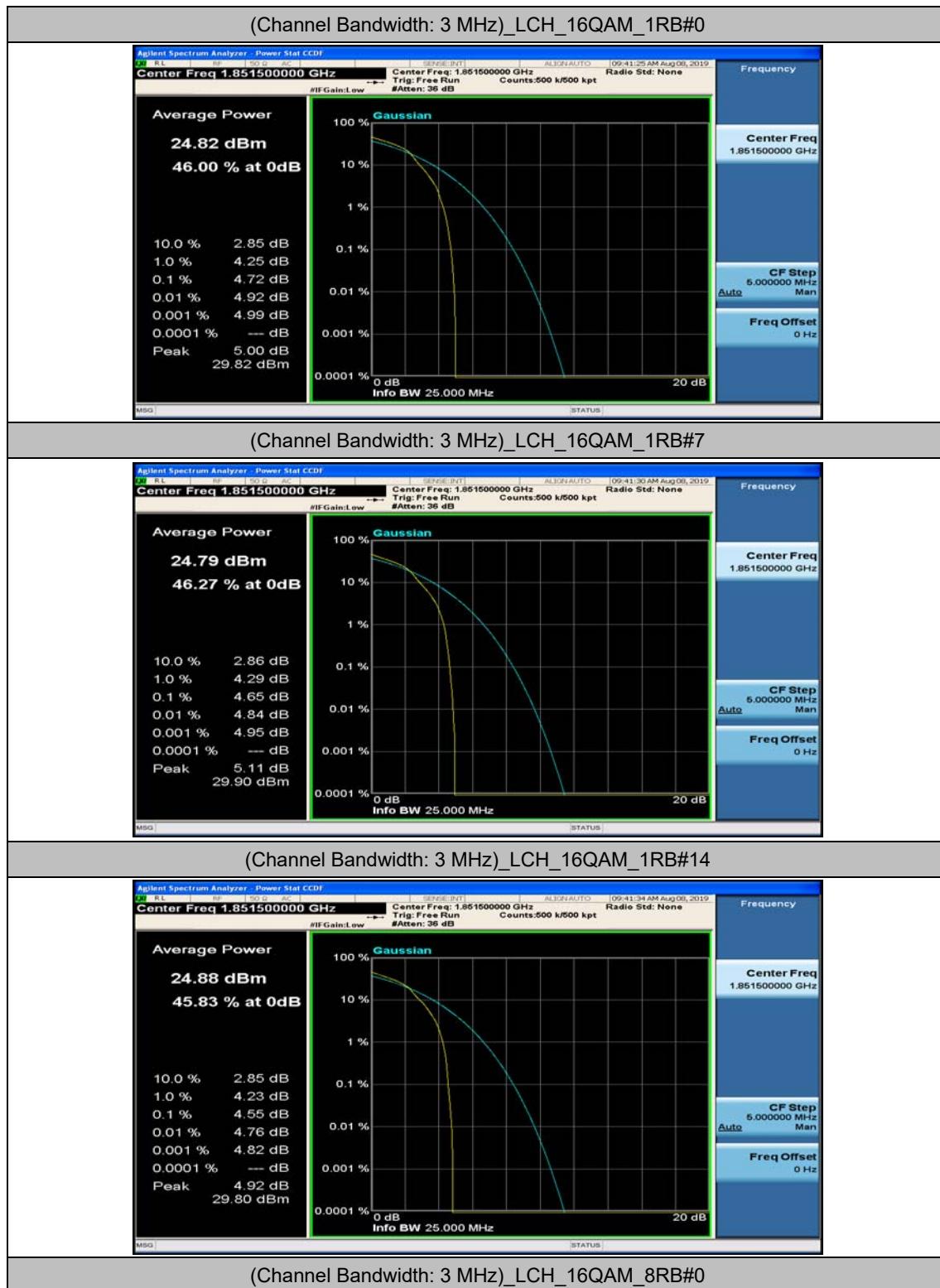
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

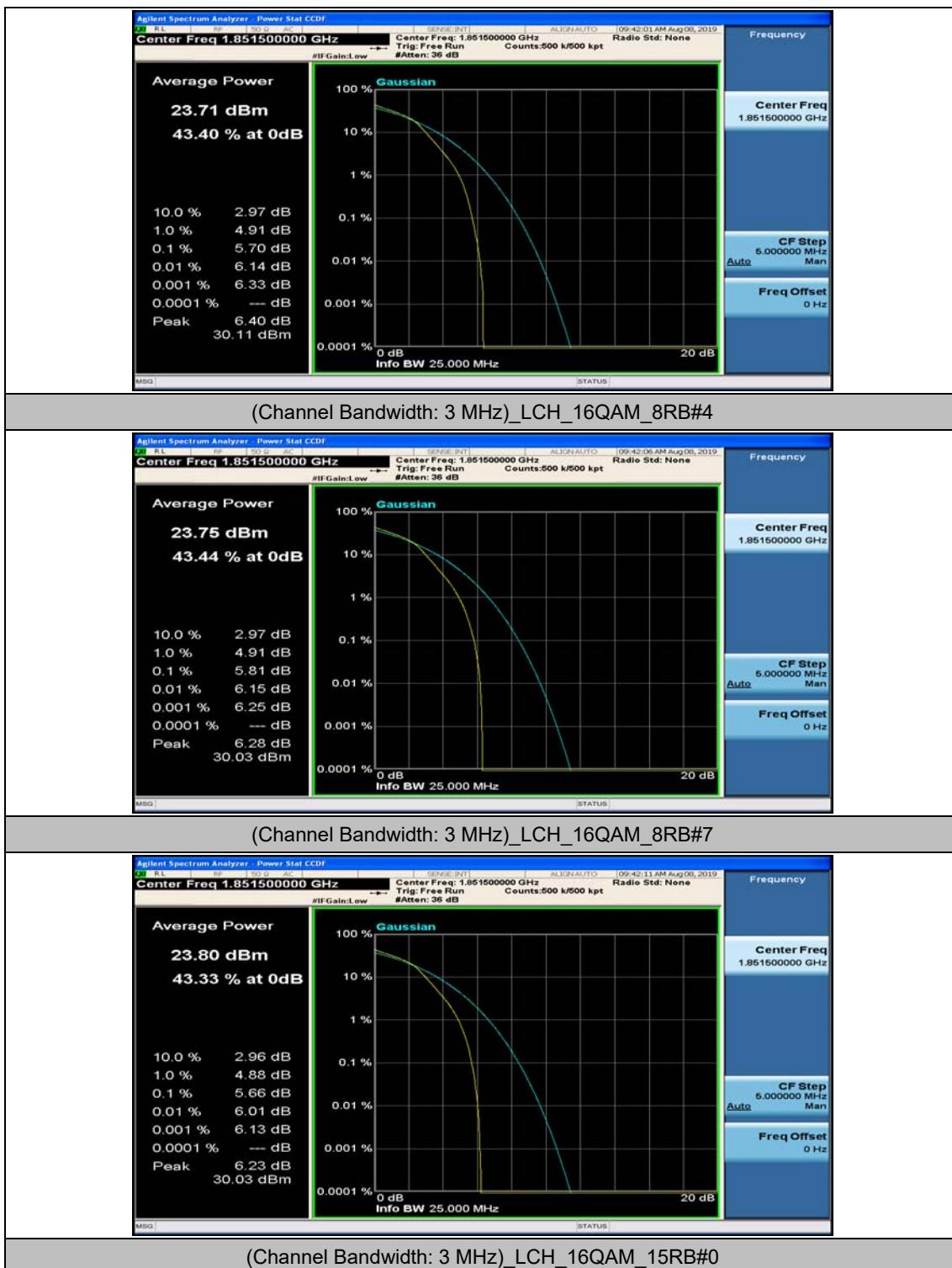


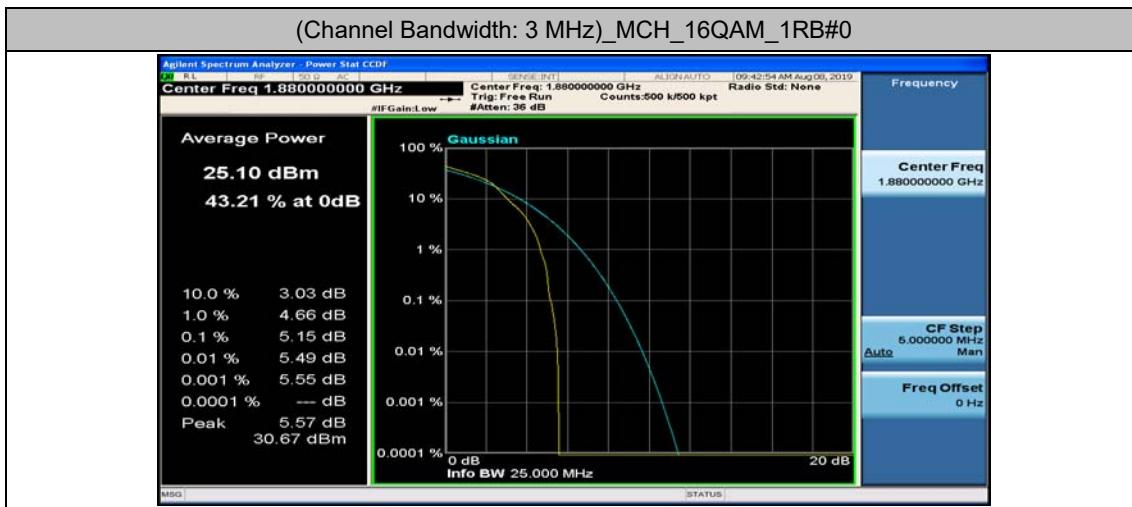
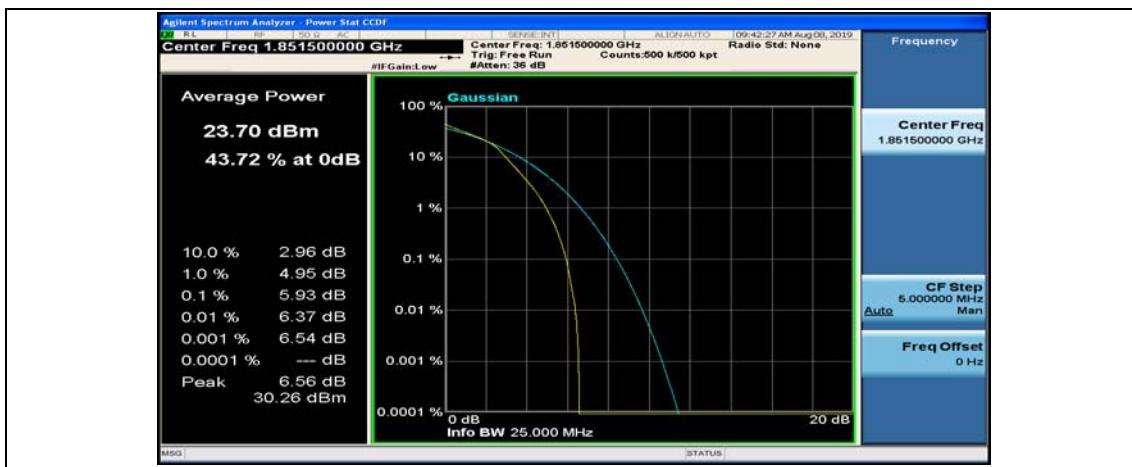




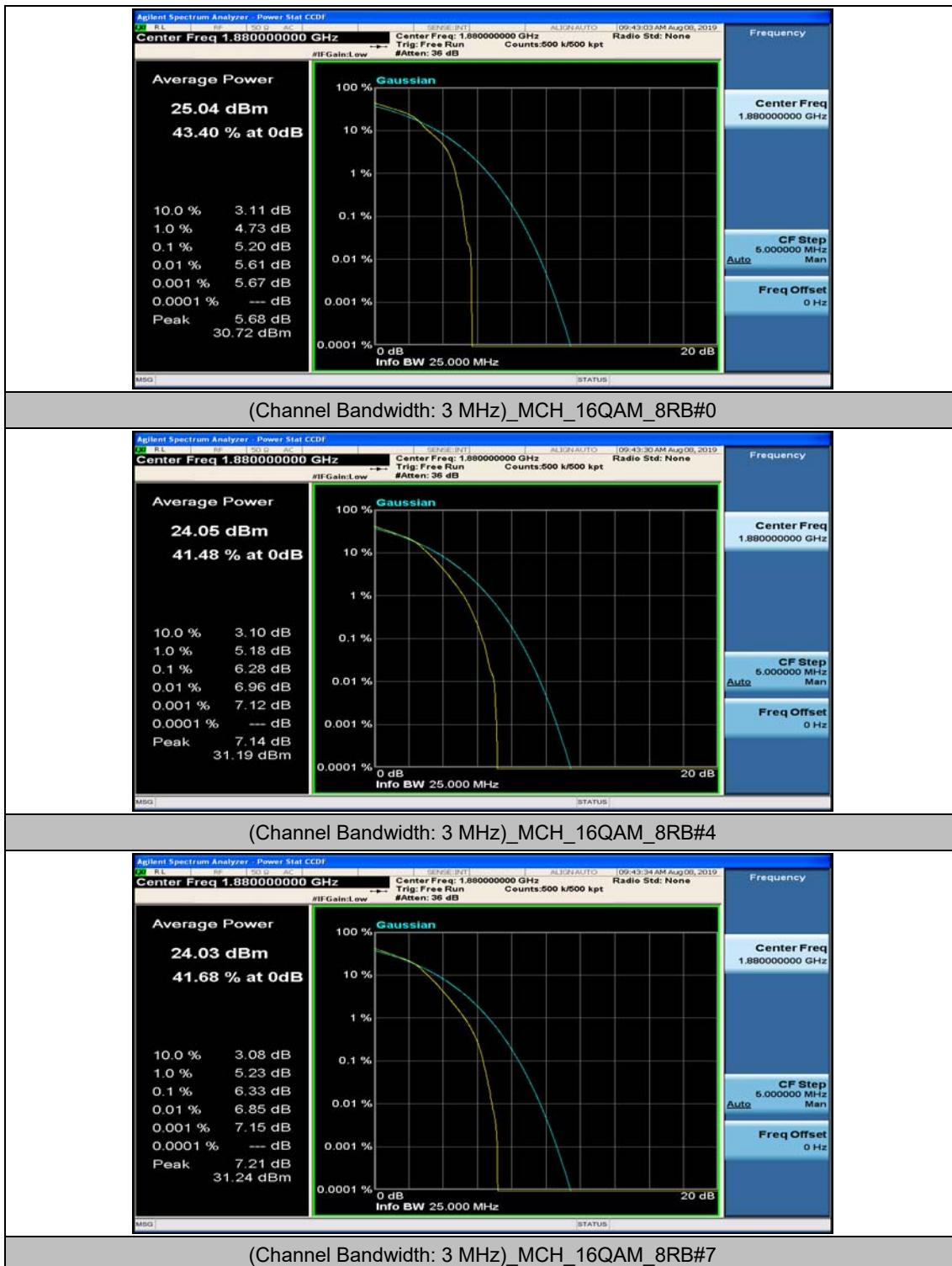


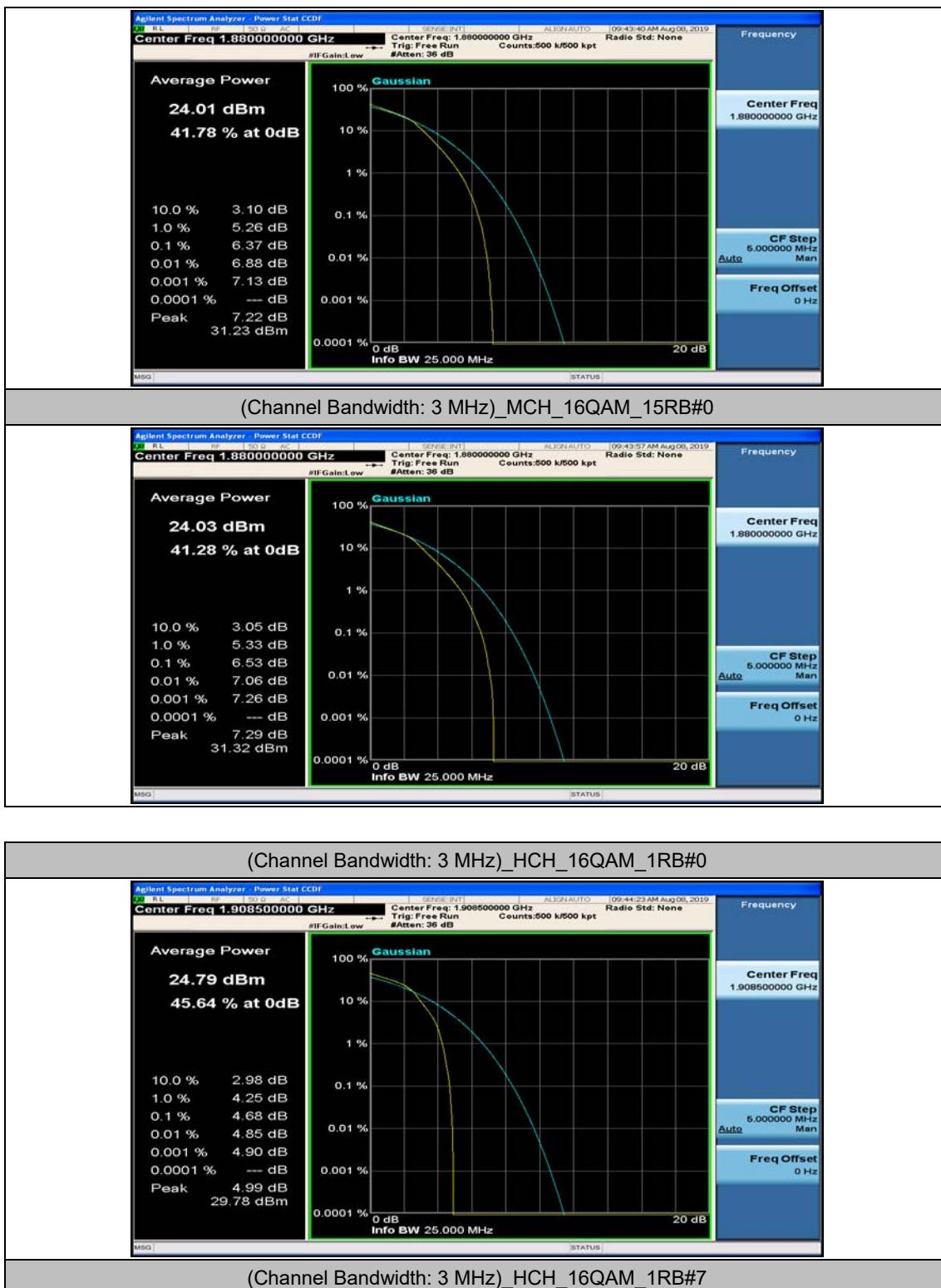


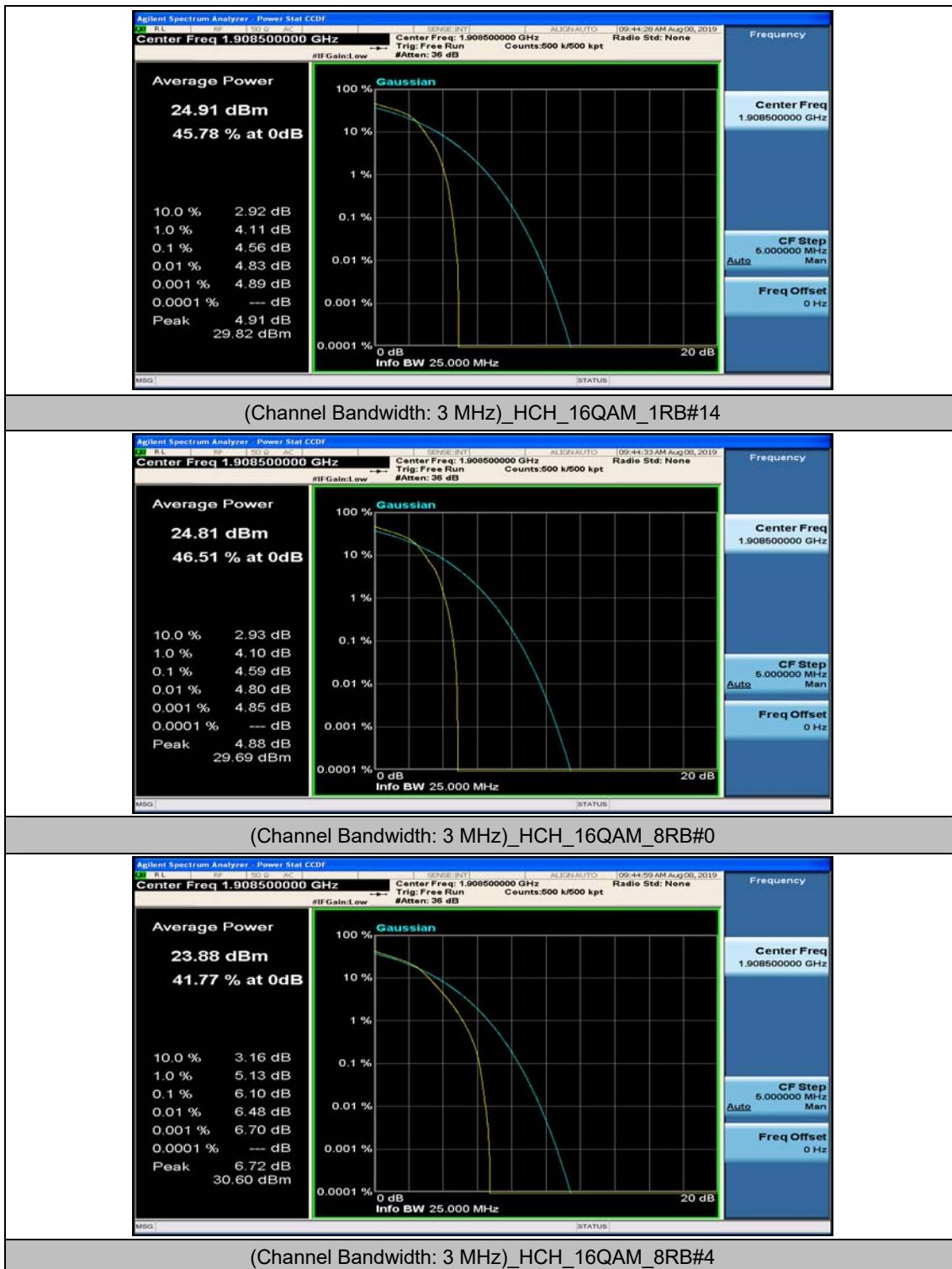


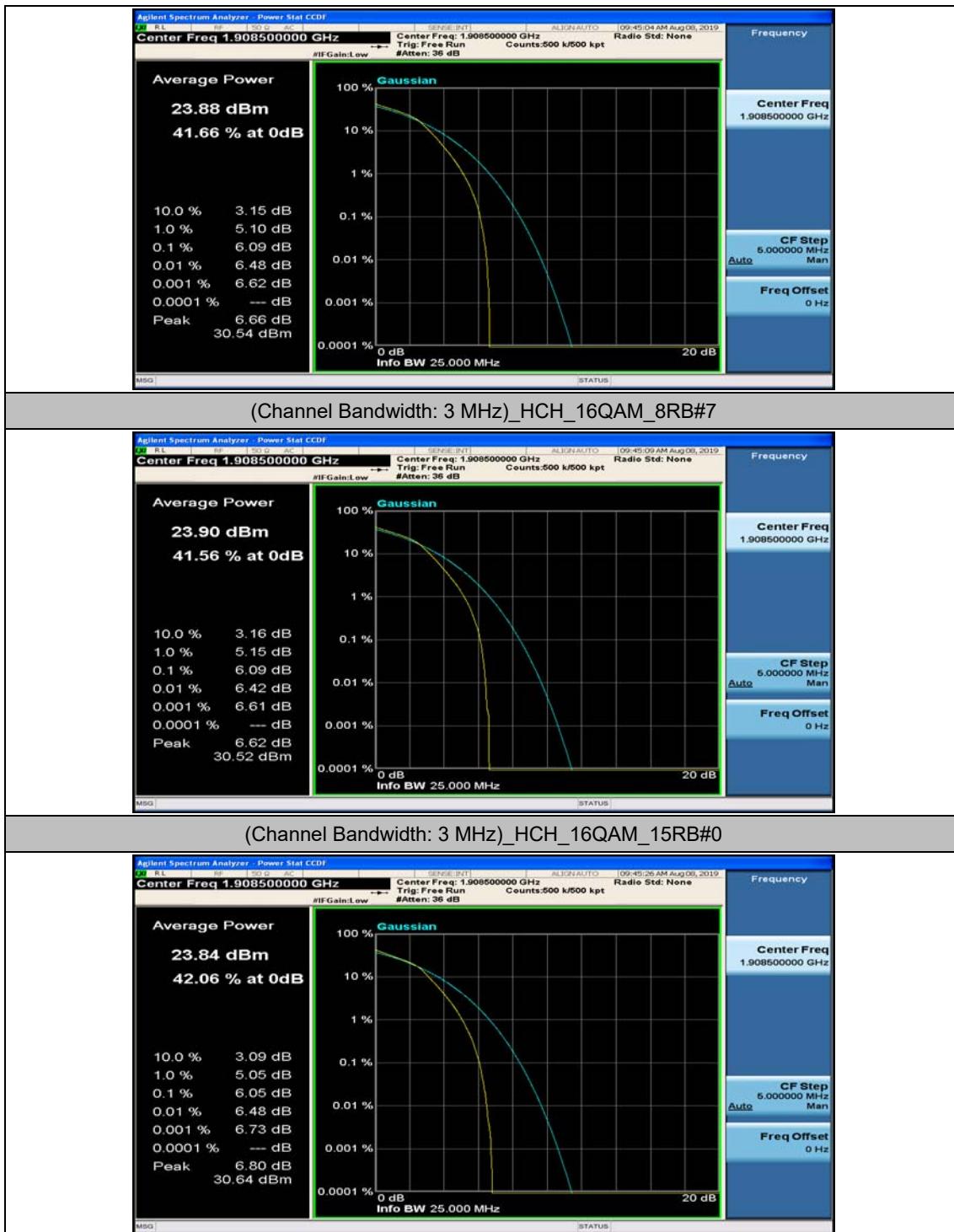


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

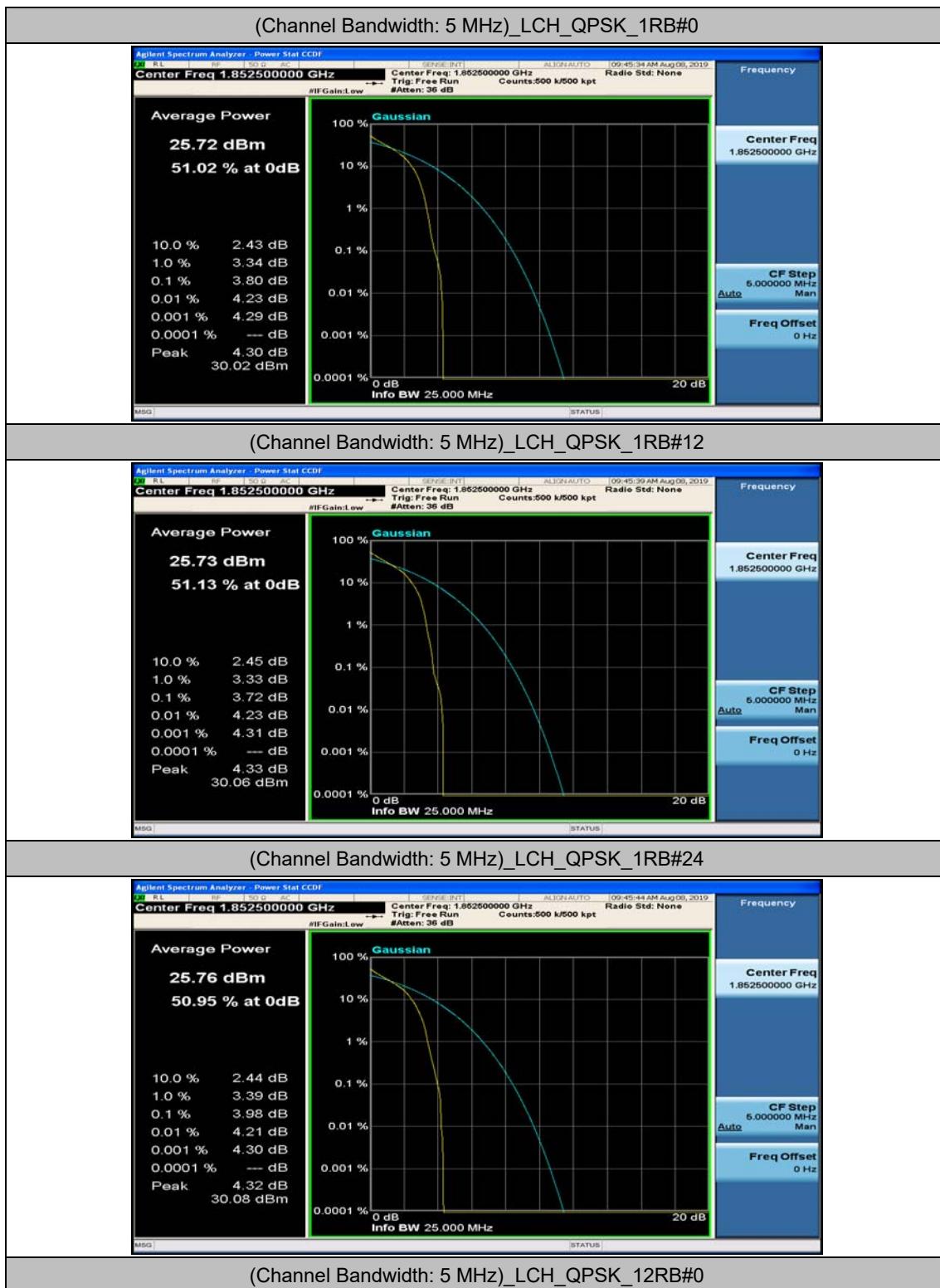


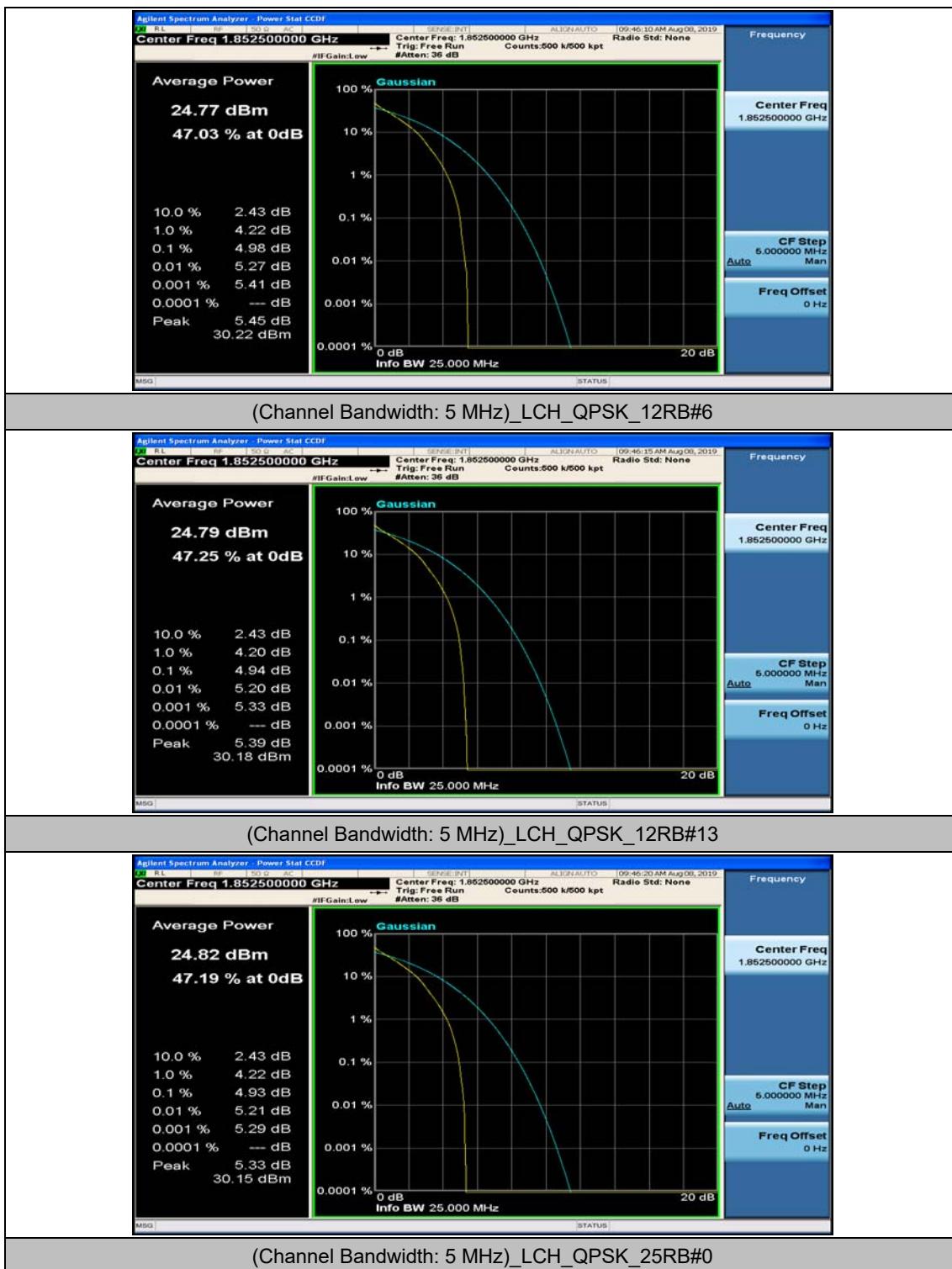


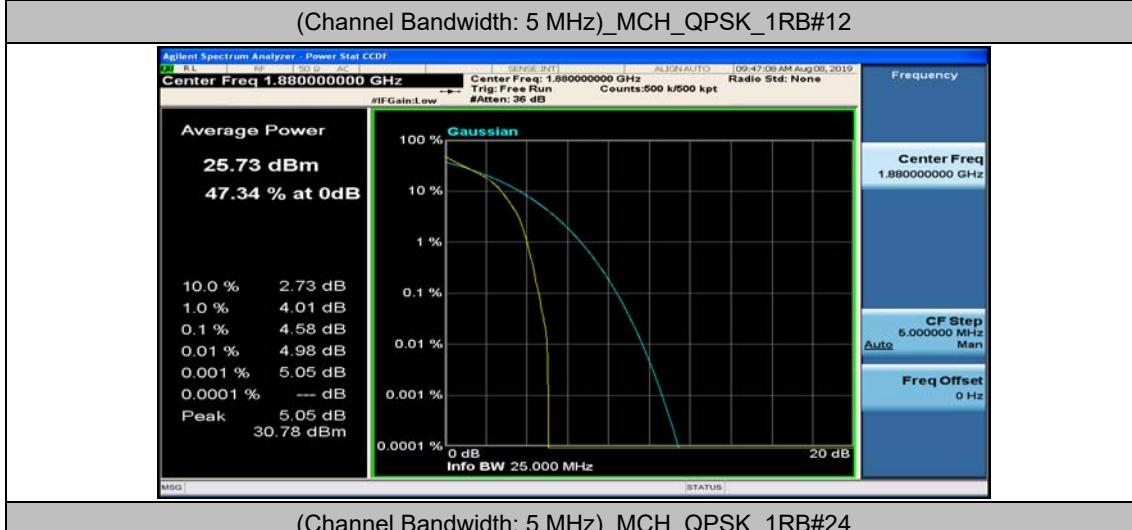
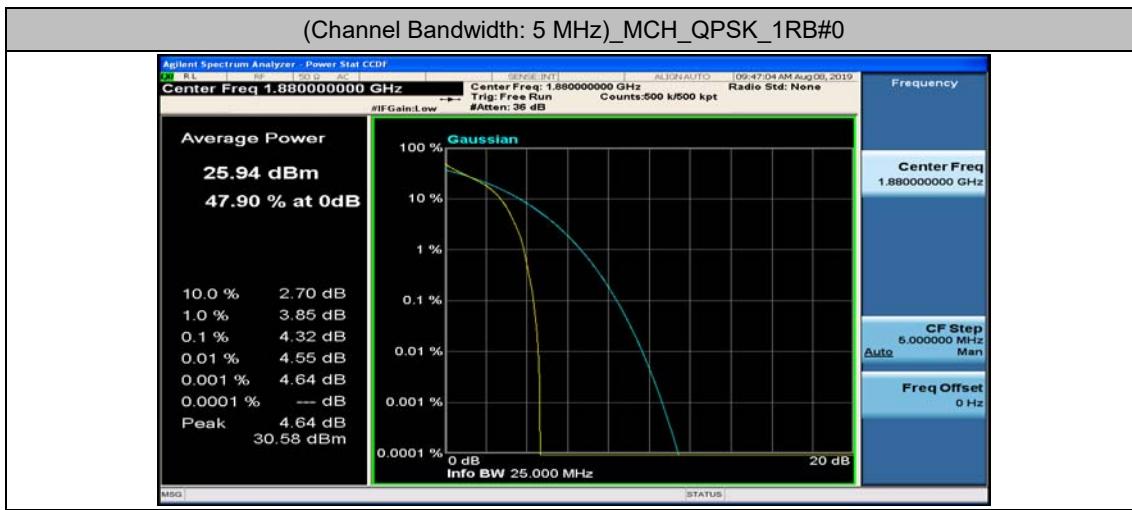
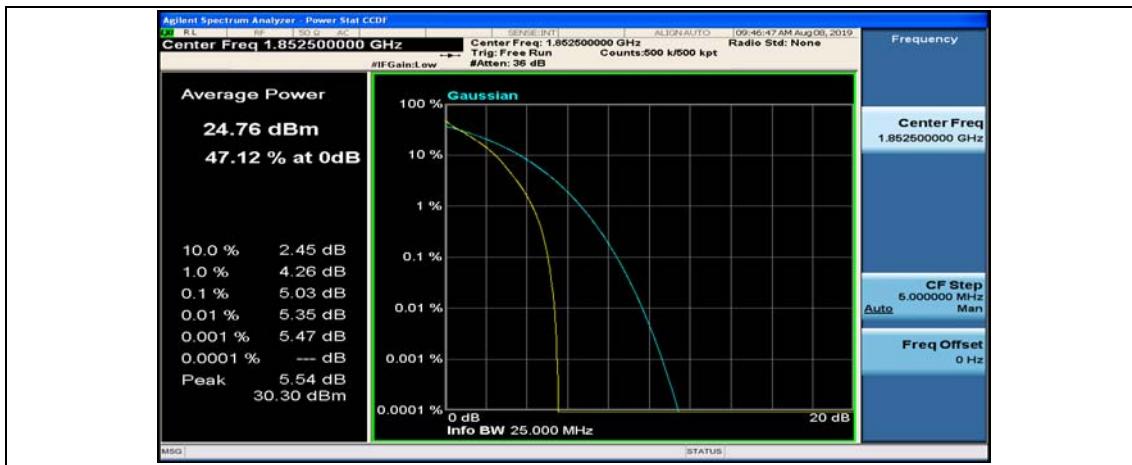




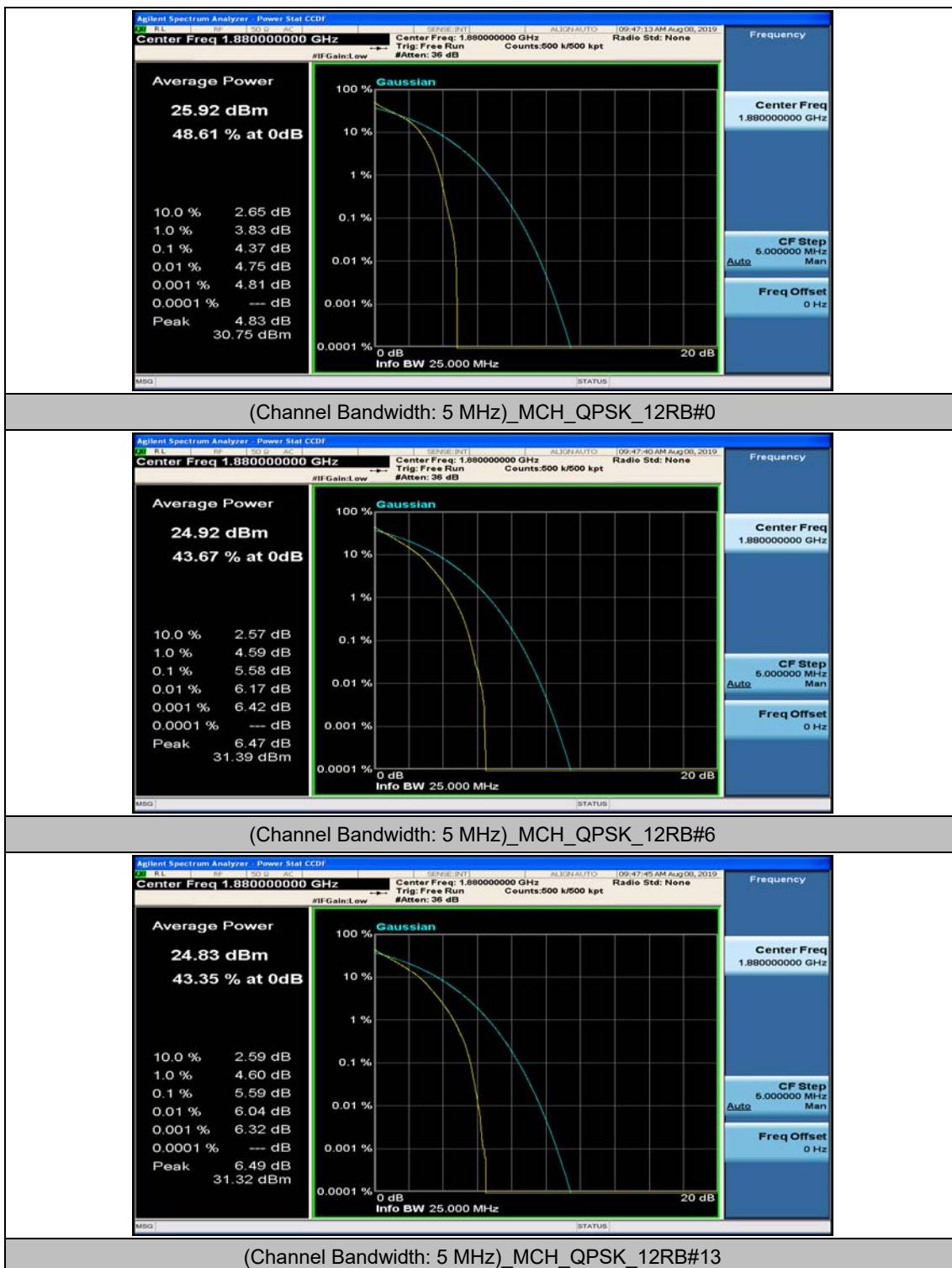
Channel Bandwidth: 5 MHz

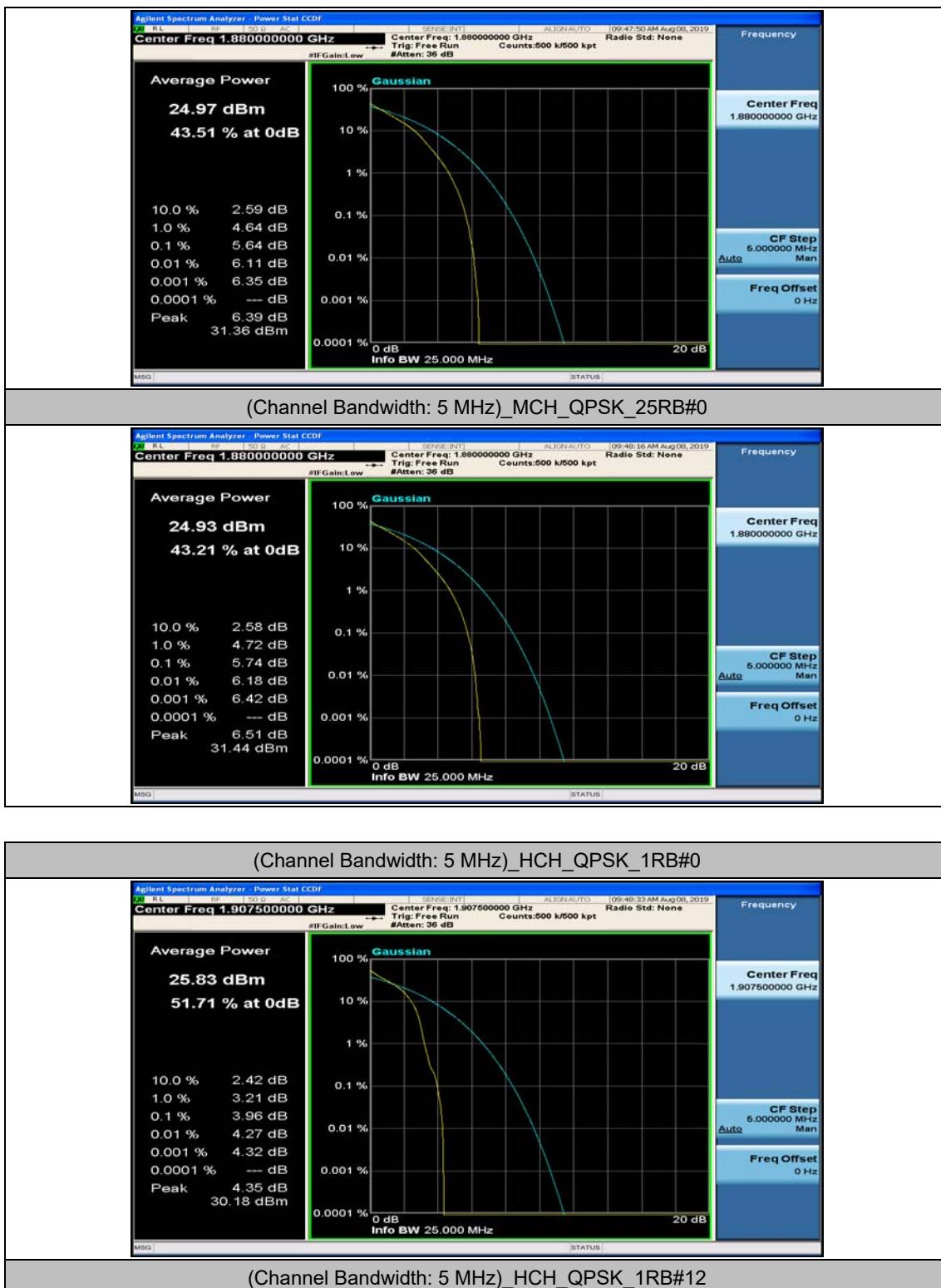


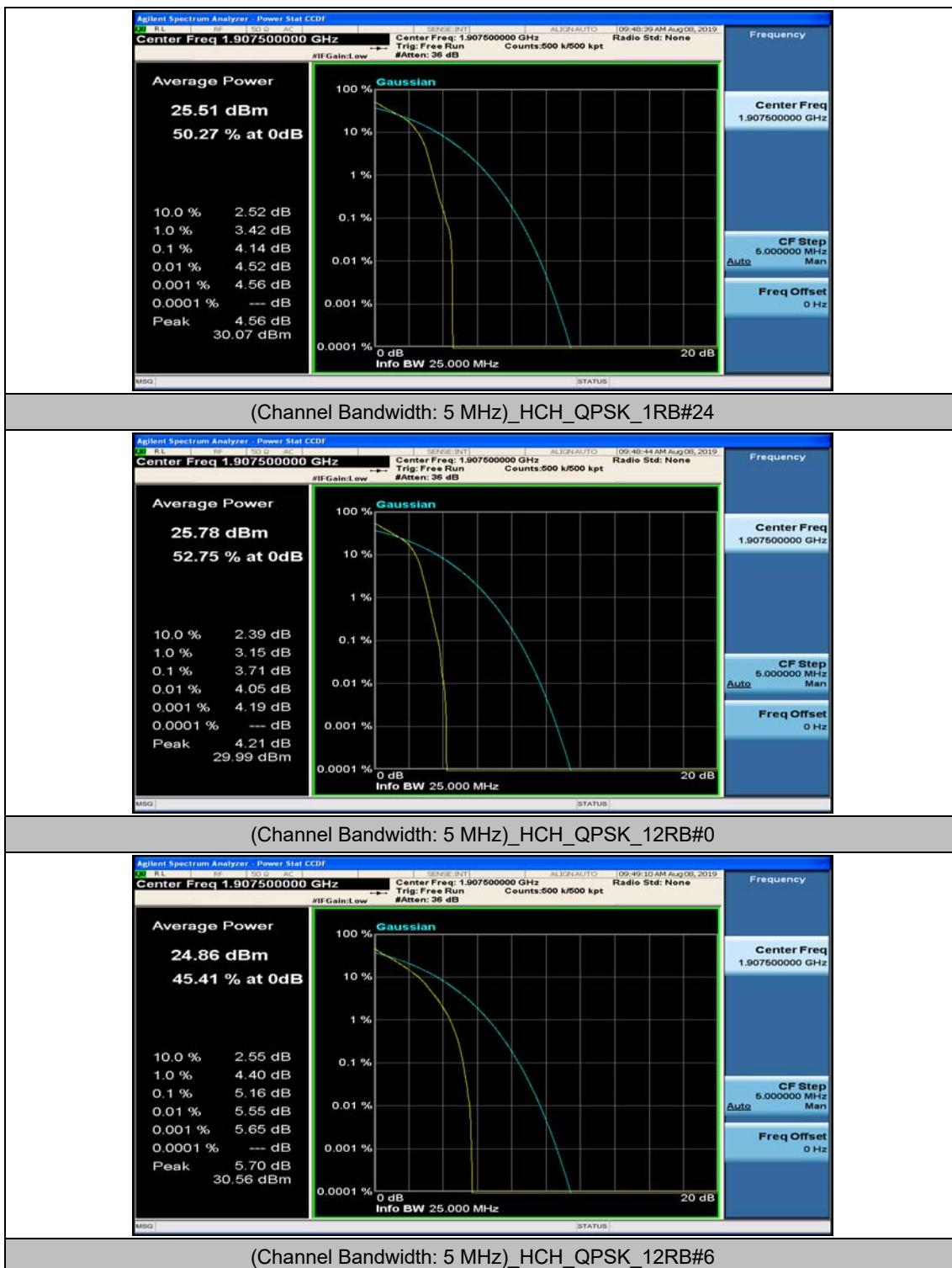


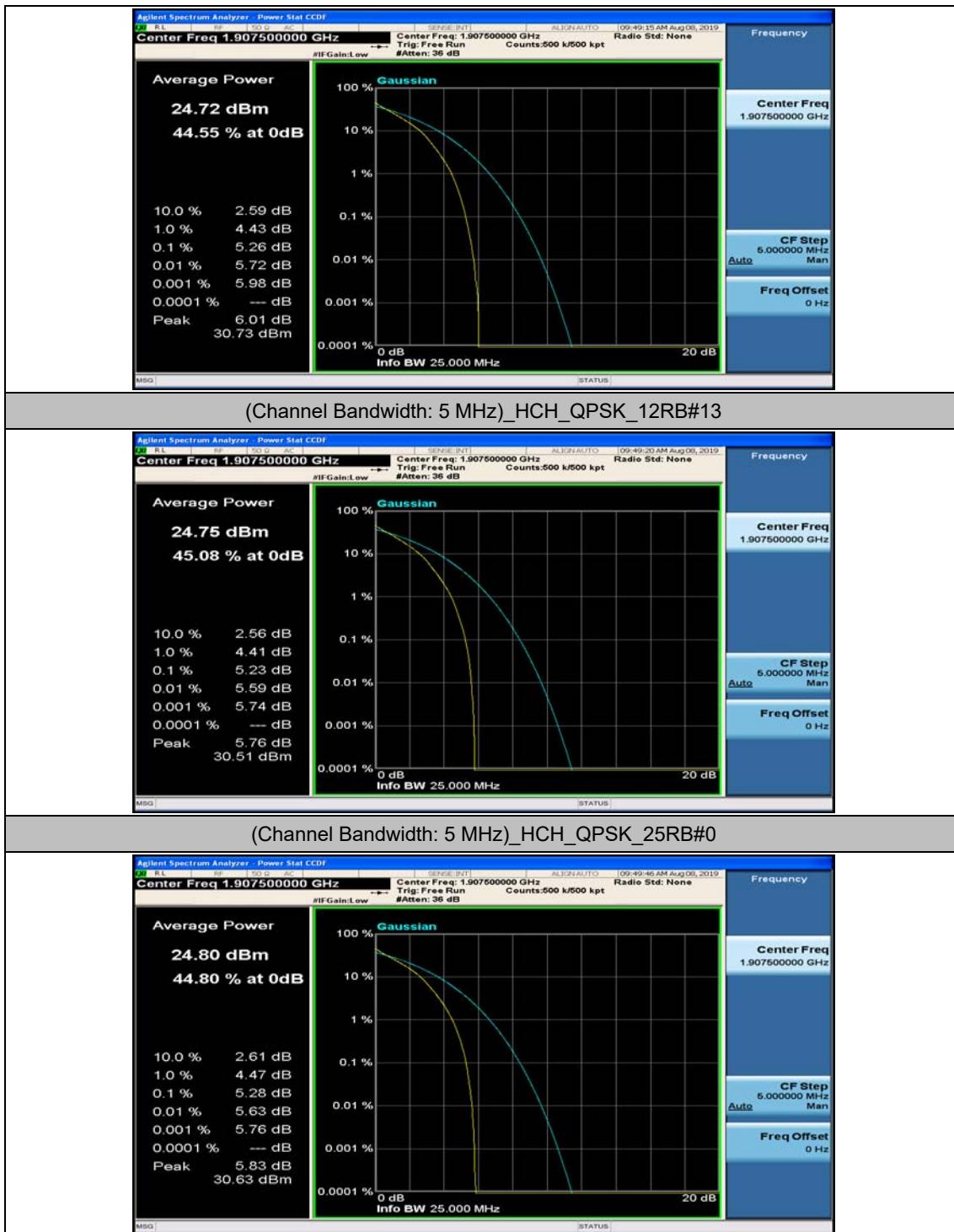


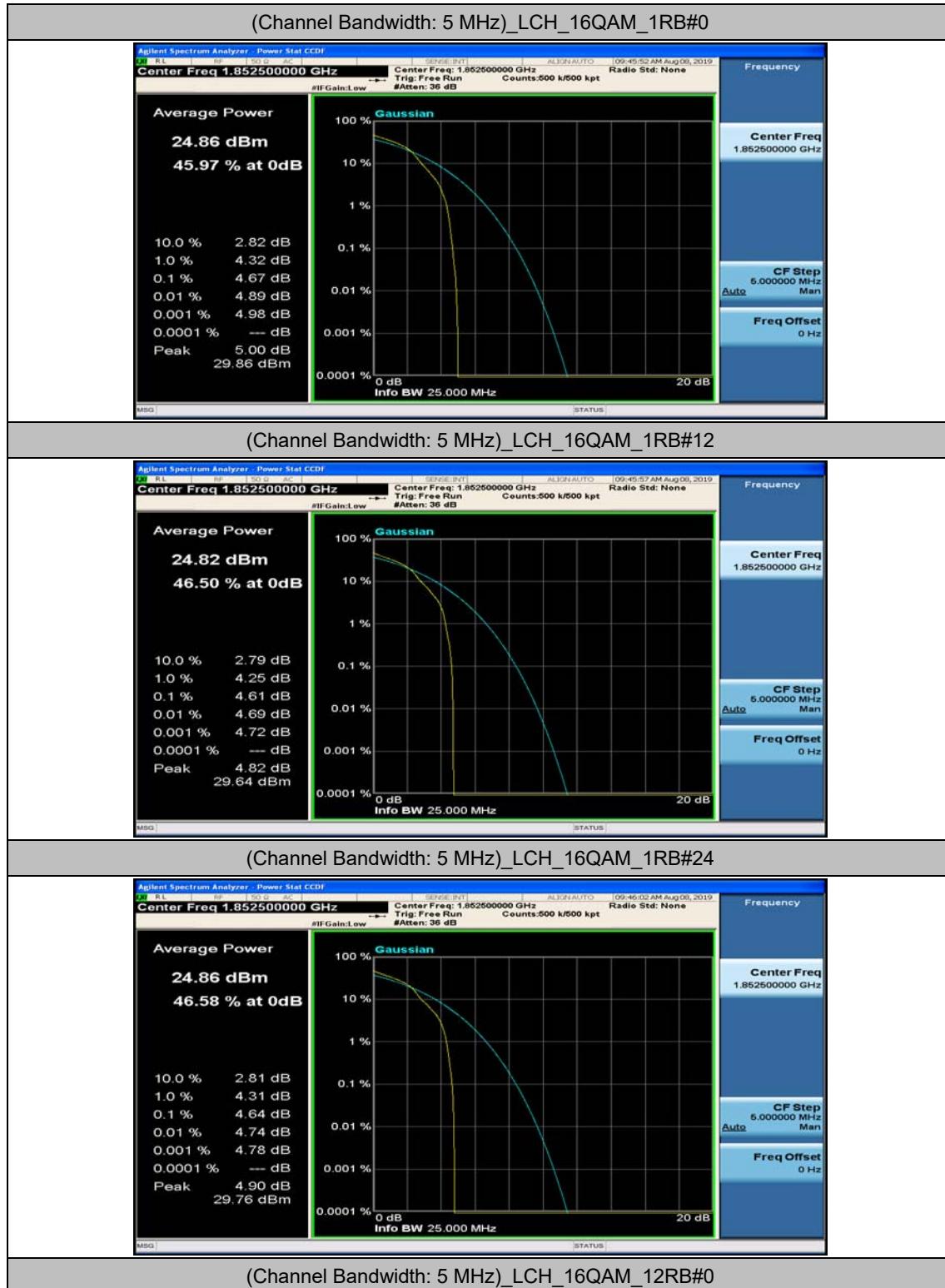
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

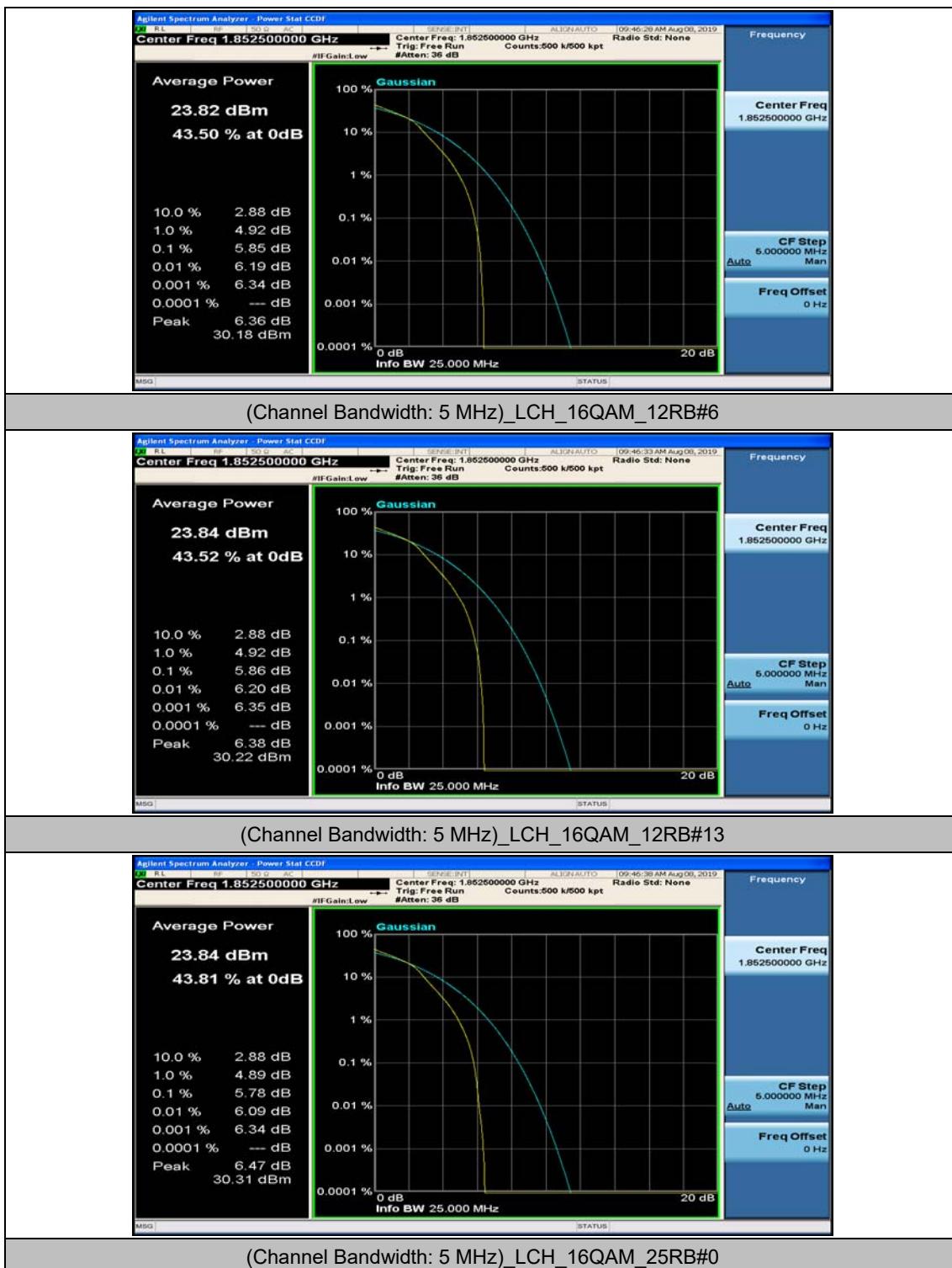


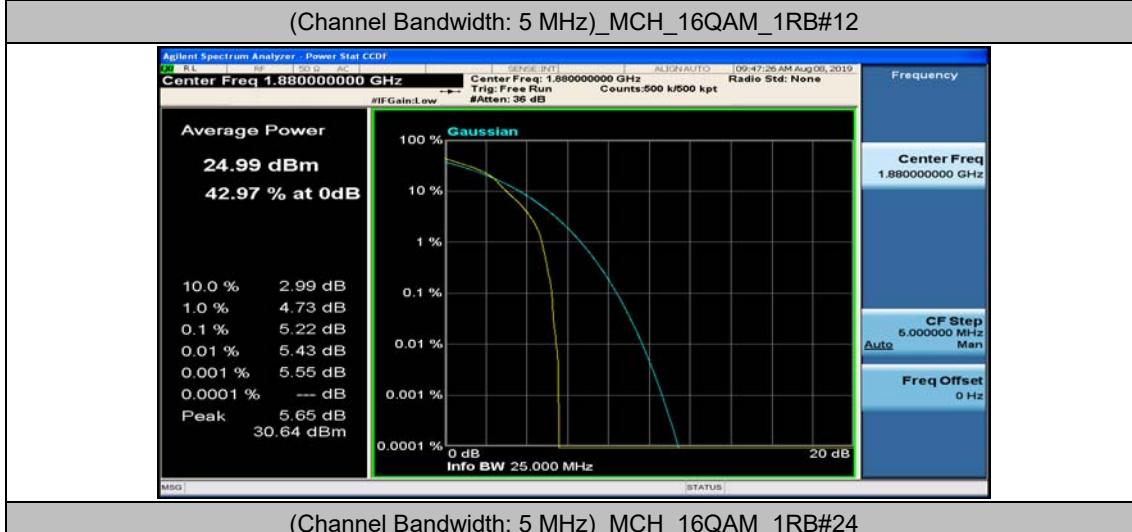
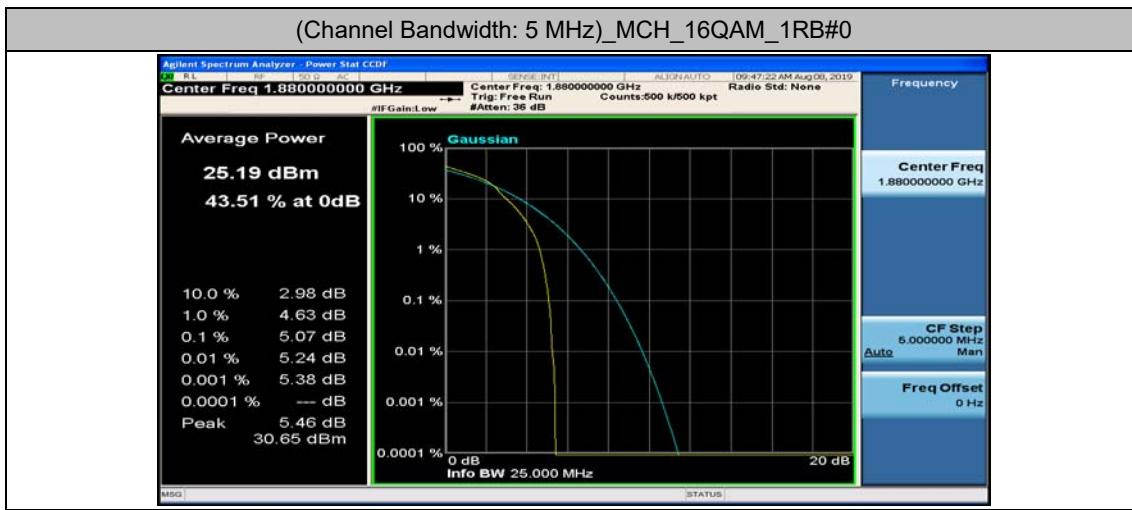
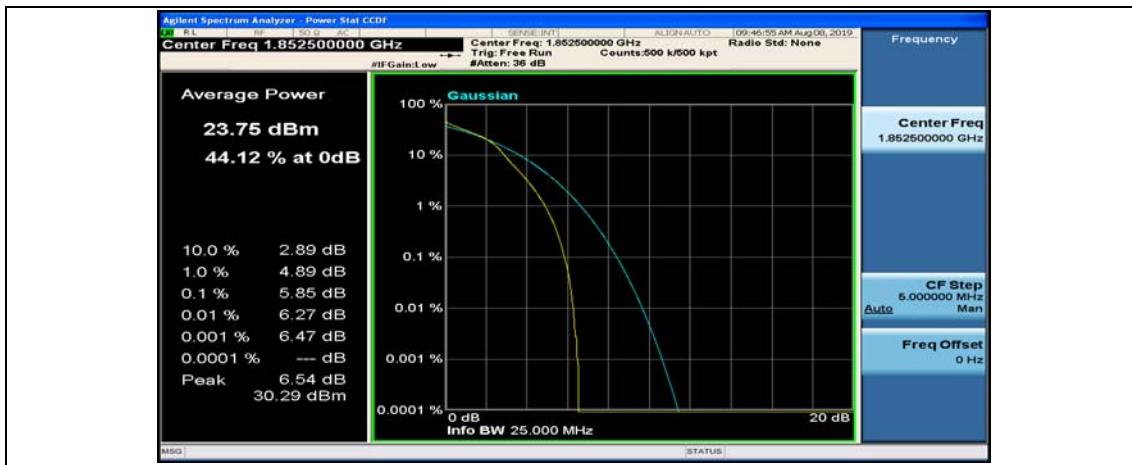




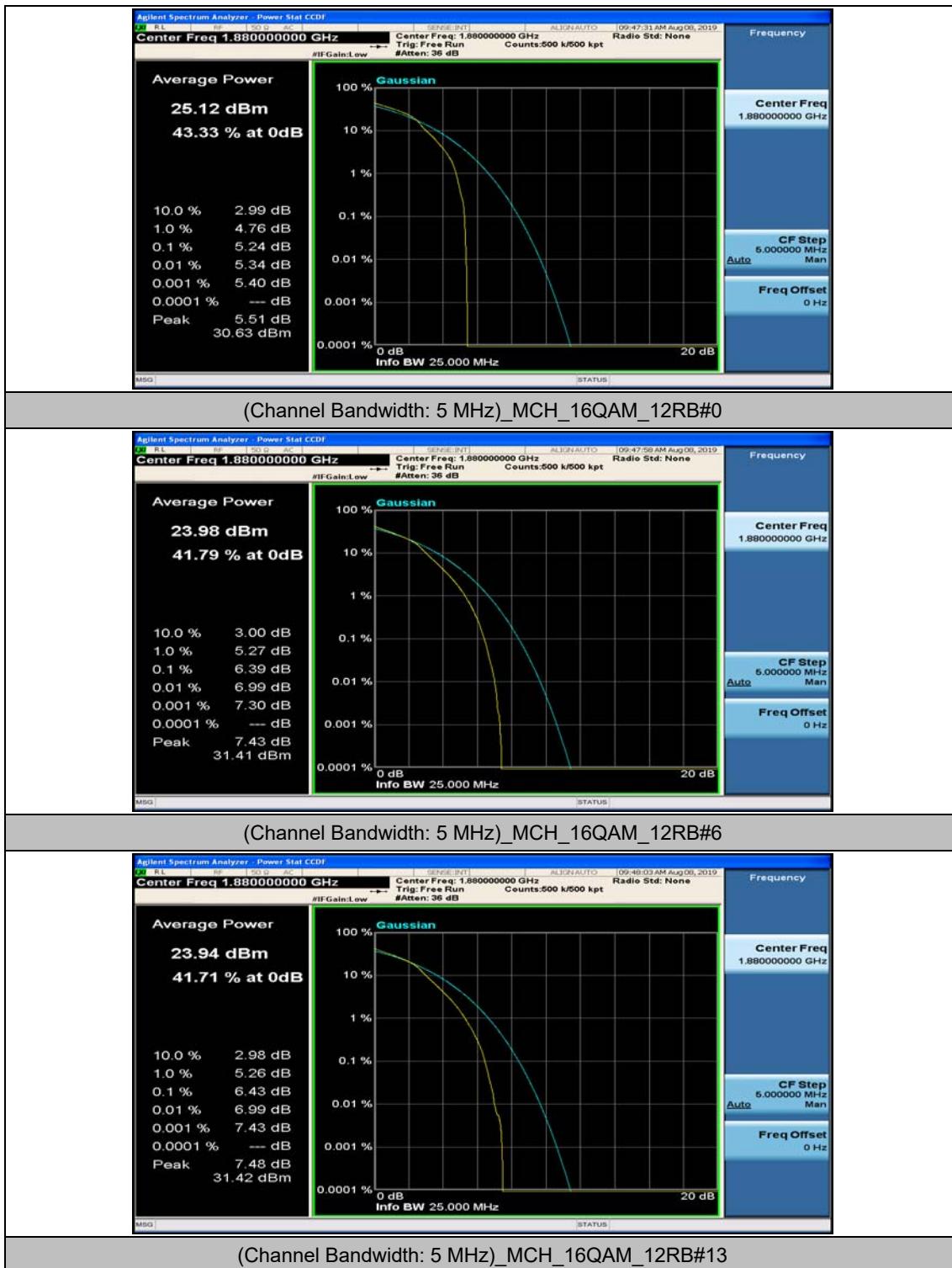


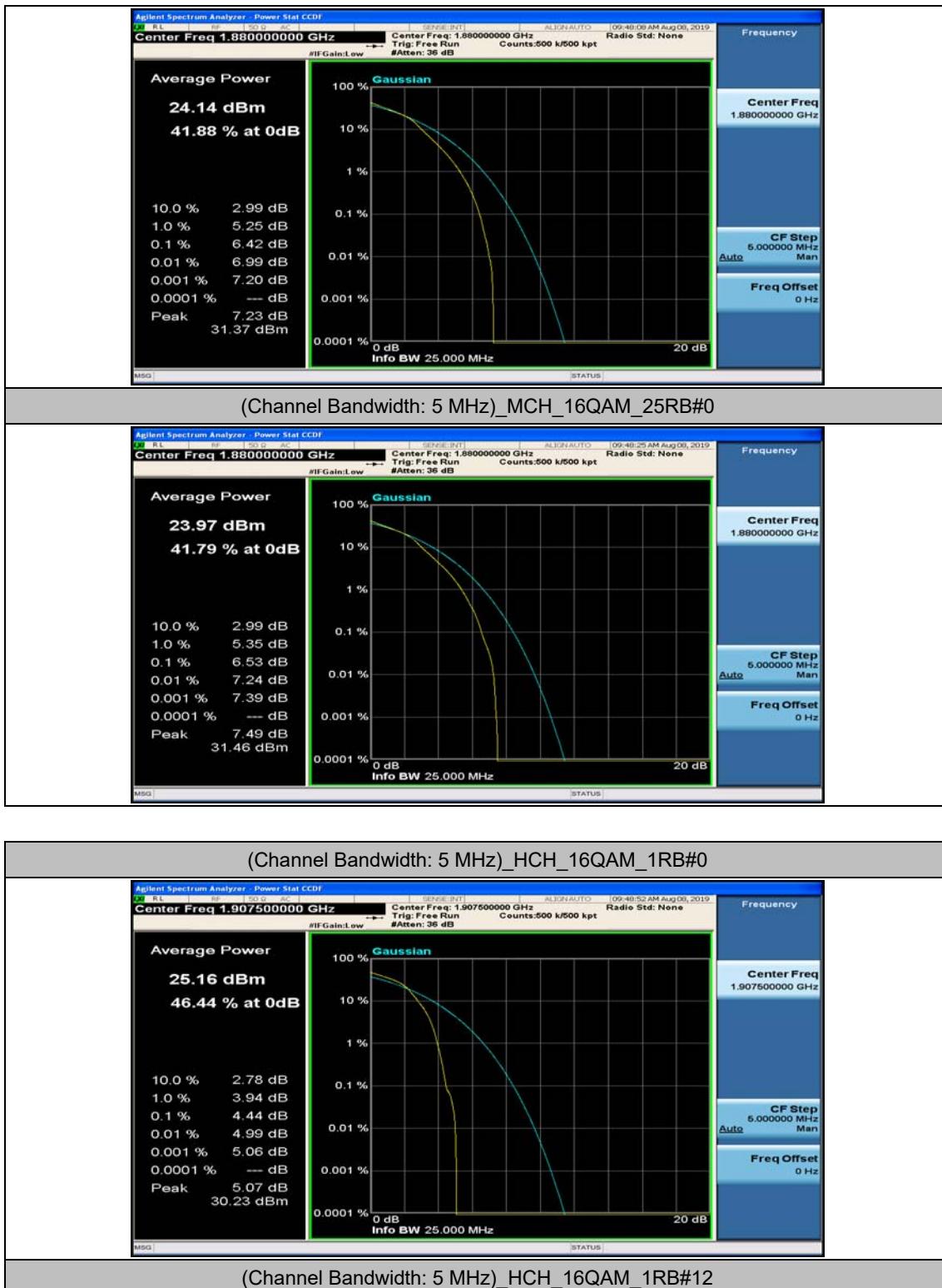


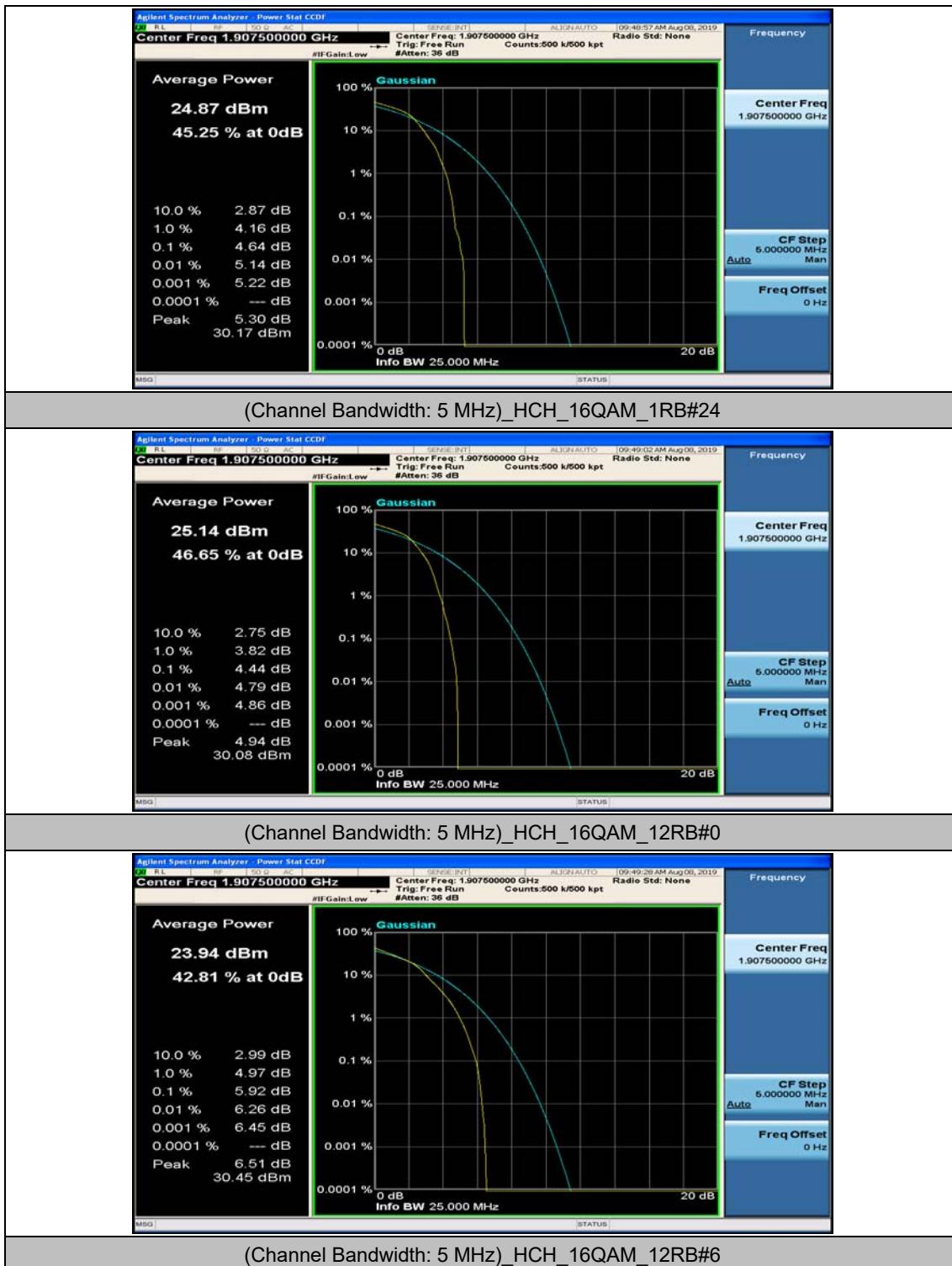


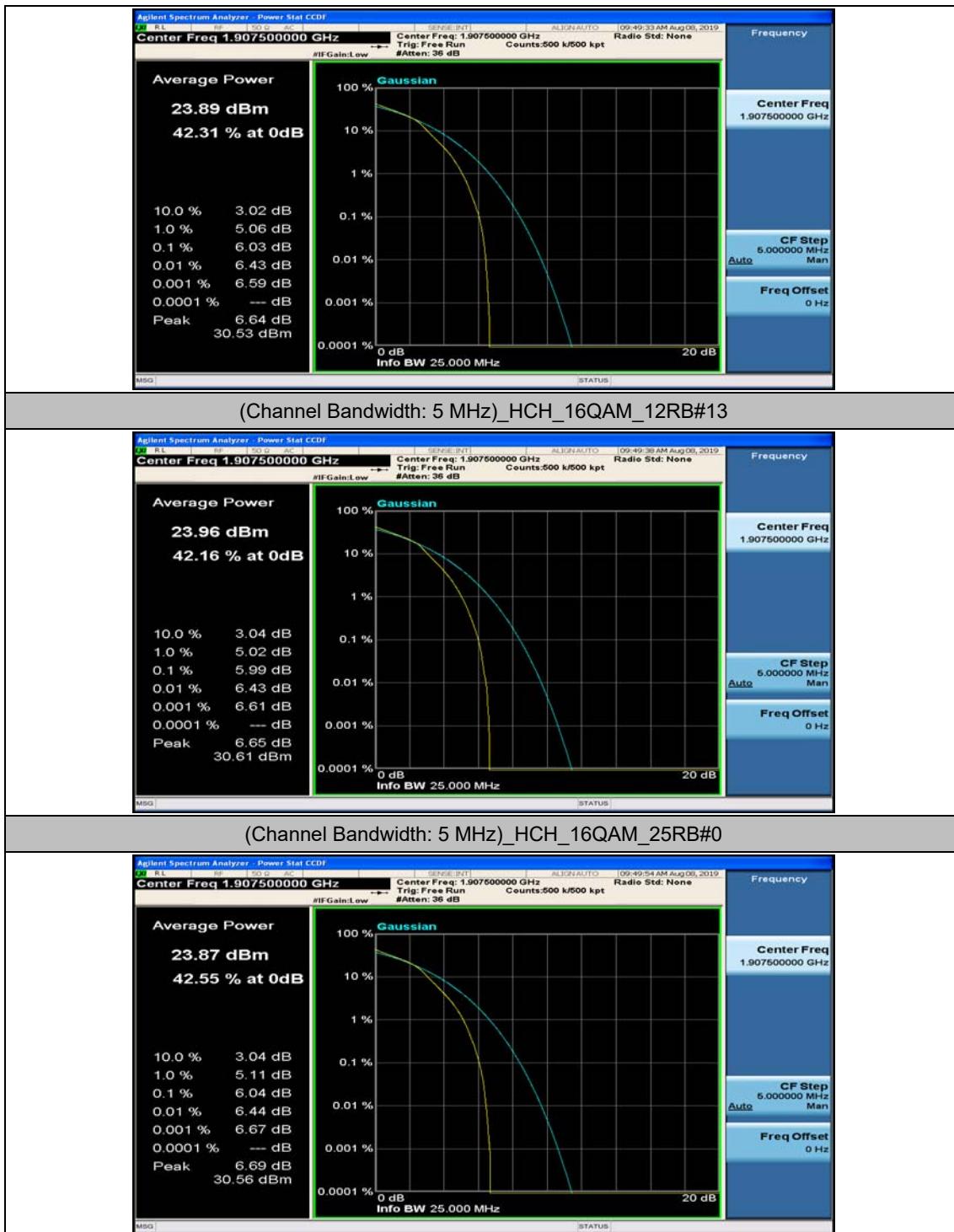


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

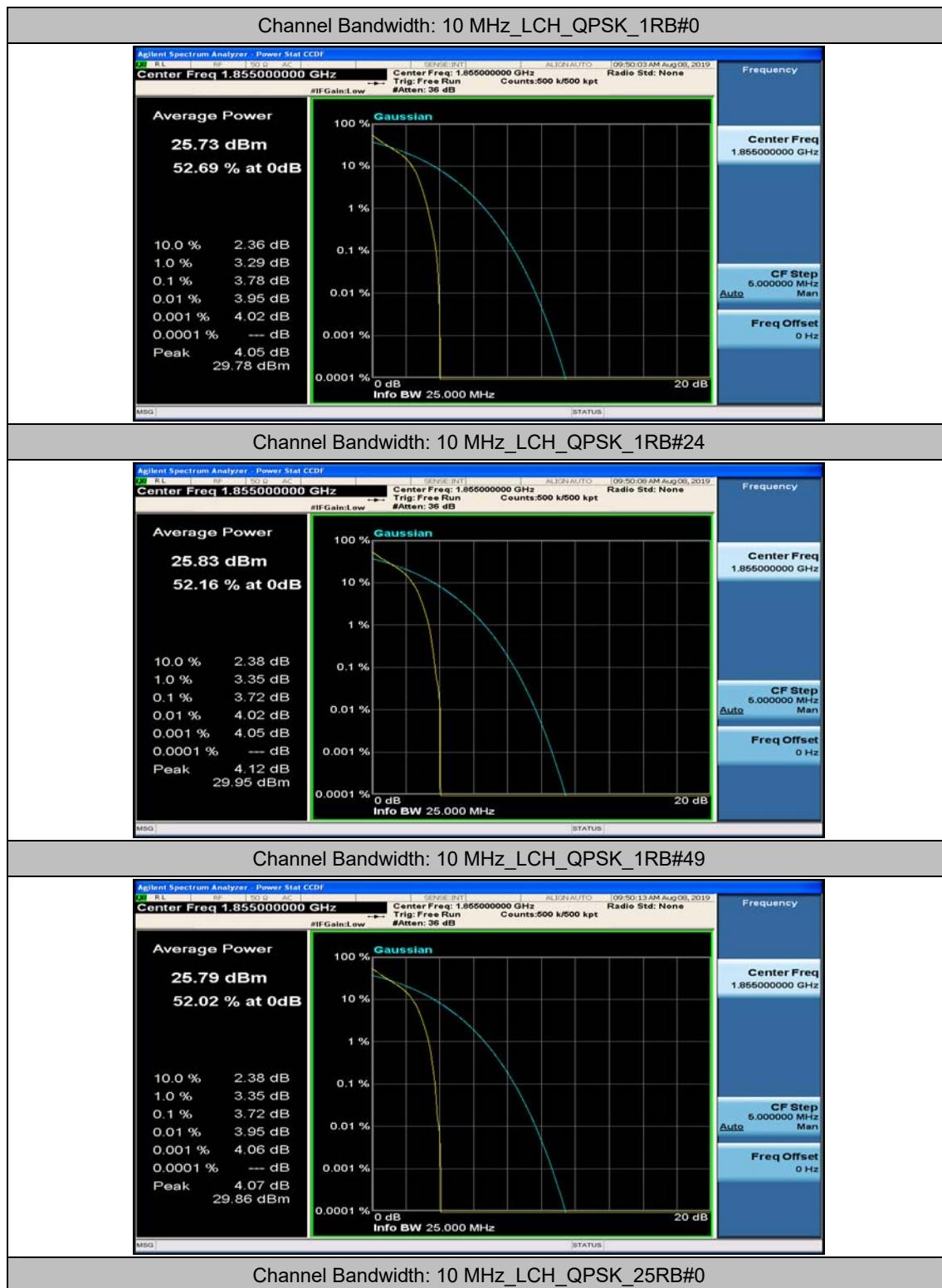


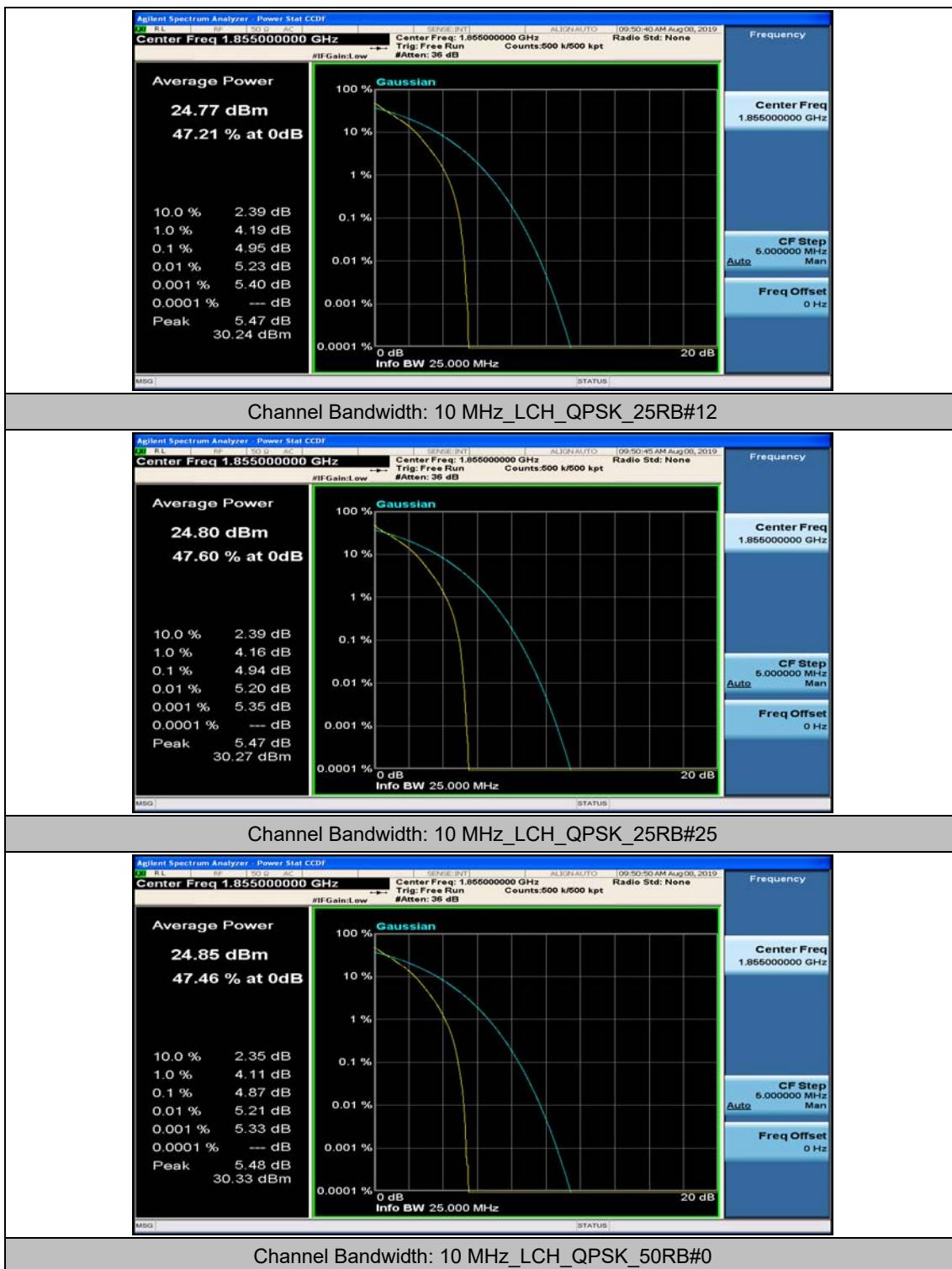


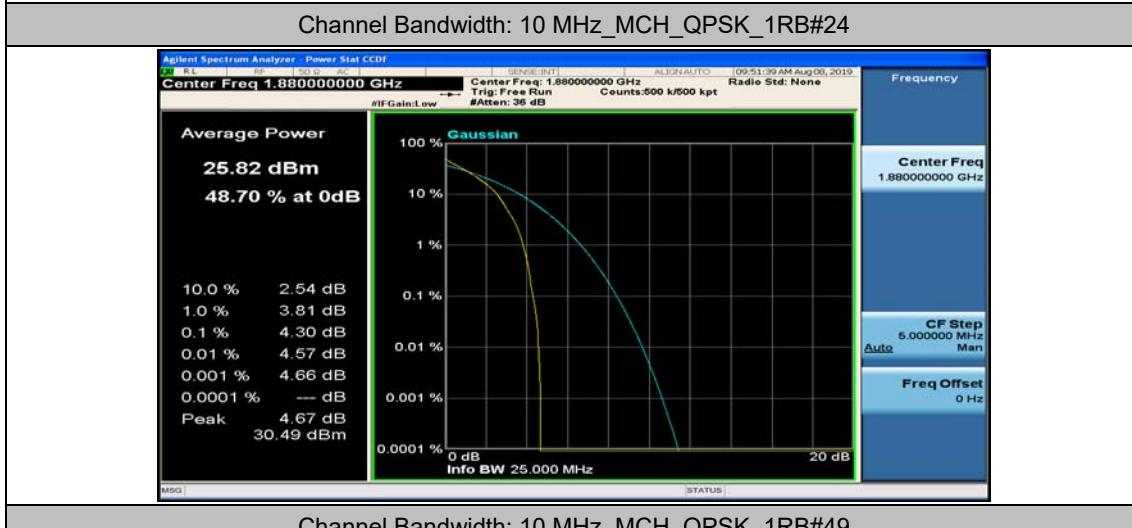
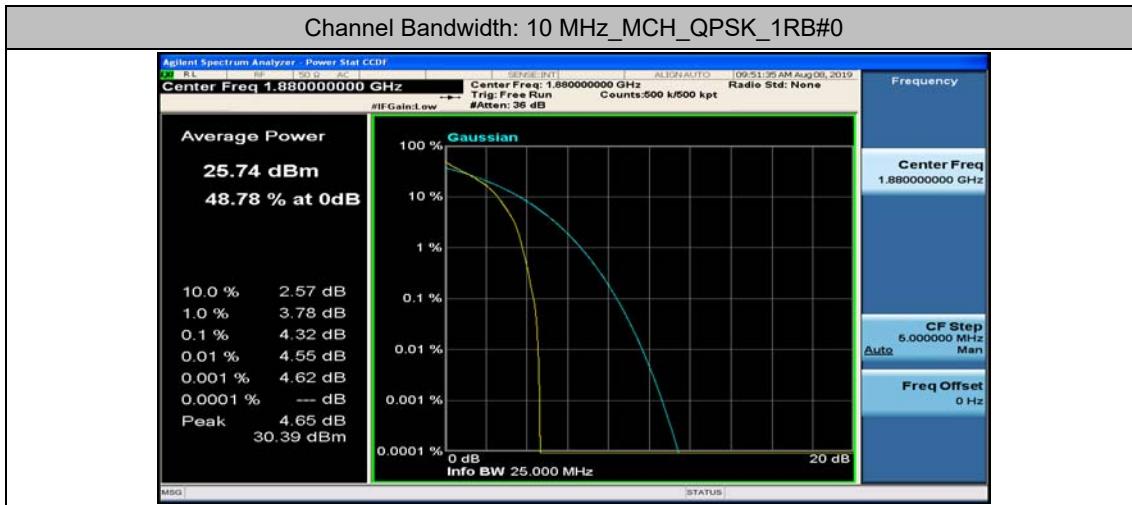
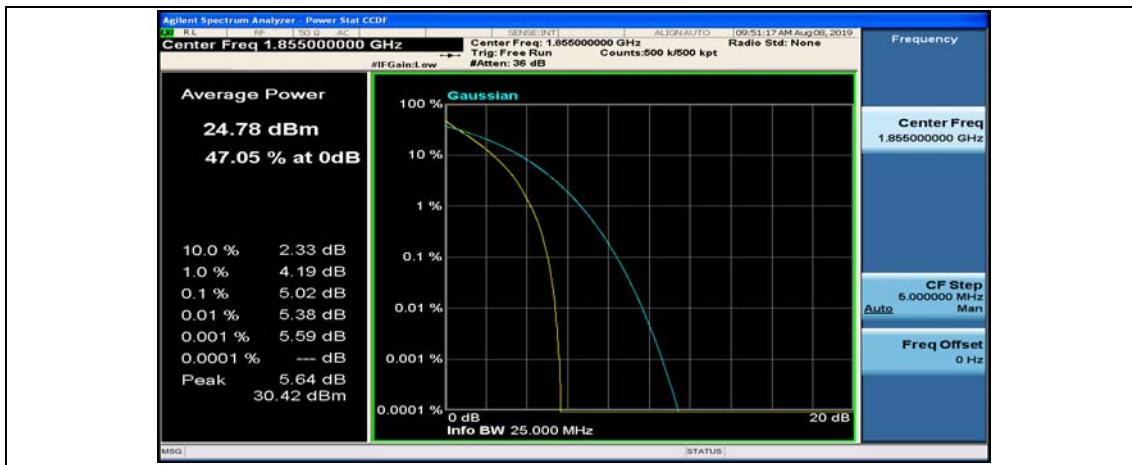




Channel Bandwidth: 10 MHz







Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49