

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	22.91	PASS
		1	3	22.91	PASS
		1	5	22.90	PASS
		3	0	22.27	PASS
		3	2	22.22	PASS
		3	3	22.27	PASS
		6	0	21.87	PASS
	MCH	1	0	21.74	PASS
		1	3	21.71	PASS
		1	5	21.77	PASS
		3	0	21.69	PASS
		3	2	21.68	PASS
		3	3	21.78	PASS
		6	0	20.64	PASS
16QAM	HCH	1	0	22.92	PASS
		1	3	22.90	PASS
		1	5	22.84	PASS
		3	0	22.23	PASS
		3	2	22.22	PASS
		3	3	22.22	PASS
		6	0	21.92	PASS
	LCH	1	0	22.41	PASS
		1	3	22.45	PASS
		1	5	22.46	PASS
		3	0	21.81	PASS
		3	2	21.85	PASS
		3	3	21.83	PASS
		6	0	20.98	PASS
	MCH	1	0	21.00	PASS
		1	3	20.99	PASS
		1	5	21.01	PASS
		3	0	20.78	PASS

		3	2	20.60	PASS
		3	3	20.64	PASS
		6	0	20.54	PASS
HCH	HCH	1	0	22.23	PASS
		1	3	22.16	PASS
		1	5	22.21	PASS
		3	0	21.88	PASS
		3	2	21.89	PASS
		3	3	21.92	PASS
		6	0	21.19	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.84	PASS
		1	7	22.82	PASS
		1	14	22.75	PASS
		8	0	21.89	PASS
		8	4	21.98	PASS
		8	7	21.85	PASS
		15	0	21.83	PASS
	MCH	1	0	21.54	PASS
		1	7	21.60	PASS
		1	14	21.59	PASS
		8	0	20.71	PASS
		8	4	20.63	PASS
		8	7	20.70	PASS
		15	0	20.59	PASS
	HCH	1	0	22.85	PASS
		1	7	22.91	PASS
		1	14	22.90	PASS
		8	0	21.95	PASS
		8	4	21.86	PASS
		8	7	21.97	PASS
		15	0	21.97	PASS
16QAM	LCH	1	0	22.38	PASS
		1	7	22.39	PASS
		1	14	22.36	PASS
		8	0	20.98	PASS
		8	4	20.92	PASS
		8	7	20.91	PASS
		15	0	21.06	PASS

	MCH	1	0	20.75	PASS
		1	7	20.79	PASS
		1	14	20.87	PASS
		8	0	20.68	PASS
		8	4	20.72	PASS
		8	7	20.62	PASS
		15	0	20.83	PASS
	HCH	1	0	22.39	PASS
		1	7	22.32	PASS
		1	14	22.33	PASS
		8	0	21.15	PASS
		8	4	21.29	PASS
		8	7	21.27	PASS
		15	0	21.17	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.88	PASS
		1	12	22.85	PASS
		1	24	22.72	PASS
		12	0	21.87	PASS
		12	6	21.78	PASS
		12	13	21.89	PASS
		25	0	21.87	PASS
	MCH	1	0	21.65	PASS
		1	12	21.62	PASS
		1	24	21.57	PASS
		12	0	20.55	PASS
		12	6	20.65	PASS
		12	13	20.61	PASS
		25	0	20.63	PASS
	HCH	1	0	22.73	PASS
		1	12	22.75	PASS
		1	24	22.75	PASS
		12	0	21.91	PASS
		12	6	21.88	PASS
		12	13	21.86	PASS
		25	0	21.86	PASS
16QAM	LCH	1	0	22.05	PASS
		1	12	21.87	PASS
		1	24	21.89	PASS

		12	0	21.00	PASS
		12	6	20.89	PASS
		12	13	20.86	PASS
		25	0	21.01	PASS
MCH	MCH	1	0	21.25	PASS
		1	12	21.27	PASS
		1	24	21.37	PASS
		12	0	20.87	PASS
		12	6	20.86	PASS
		12	13	20.83	PASS
		25	0	20.98	PASS
HCH	HCH	1	0	22.47	PASS
		1	12	22.43	PASS
		1	24	22.44	PASS
		12	0	21.04	PASS
		12	6	21.00	PASS
		12	13	21.03	PASS
		25	0	21.17	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.81	PASS
		1	24	22.72	PASS
		1	49	22.47	PASS
		25	0	21.85	PASS
		25	12	21.72	PASS
		25	25	21.69	PASS
		50	0	21.64	PASS
	MCH	1	0	21.57	PASS
		1	24	21.54	PASS
		1	49	21.76	PASS
		25	0	20.68	PASS
		25	12	20.56	PASS
		25	25	20.64	PASS
		50	0	20.51	PASS
	HCH	1	0	22.68	PASS
		1	24	22.79	PASS
		1	49	22.86	PASS
		25	0	21.81	PASS
		25	12	21.88	PASS
		25	25	21.82	PASS

		50	0	21.80	PASS
16QAM	LCH	1	0	22.42	PASS
		1	24	22.44	PASS
		1	49	22.42	PASS
		25	0	20.90	PASS
		25	12	20.81	PASS
		25	25	20.63	PASS
		50	0	20.83	PASS
	MCH	1	0	21.20	PASS
		1	24	21.28	PASS
		1	49	21.33	PASS
		25	0	20.76	PASS
		25	12	20.72	PASS
		25	25	20.71	PASS
		50	0	20.70	PASS
	HCH	1	0	21.82	PASS
		1	24	22.09	PASS
		1	49	22.13	PASS
		25	0	20.84	PASS
		25	12	20.94	PASS
		25	25	20.99	PASS
		50	0	21.00	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.84	PASS
		1	37	22.54	PASS
		1	74	22.12	PASS
		37	0	21.79	PASS
		37	18	21.61	PASS
		37	38	21.43	PASS
		75	0	21.58	PASS
	MCH	1	0	21.78	PASS
		1	37	21.67	PASS
		1	74	21.83	PASS
		37	0	20.60	PASS
		37	18	20.58	PASS
		37	38	20.78	PASS
		75	0	20.61	PASS
	HCH	1	0	22.46	PASS
		1	37	22.81	PASS

		1	74	22.95	PASS
		37	0	21.55	PASS
		37	18	21.88	PASS
		37	38	21.83	PASS
		75	0	21.77	PASS
16QAM	LCH	1	0	22.34	PASS
		1	37	22.37	PASS
		1	74	22.24	PASS
		37	0	20.94	PASS
		37	18	20.67	PASS
		37	38	20.43	PASS
		75	0	20.73	PASS
	MCH	1	0	21.72	PASS
		1	37	21.56	PASS
		1	74	21.80	PASS
		37	0	20.81	PASS
		37	18	20.87	PASS
		37	38	20.86	PASS
		75	0	20.87	PASS
	HCH	1	0	21.62	PASS
		1	37	22.04	PASS
		1	74	22.12	PASS
		37	0	20.79	PASS
		37	18	21.00	PASS
		37	38	21.02	PASS
		75	0	20.94	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.16	PASS
		1	49	22.55	PASS
		1	99	22.06	PASS
		50	0	22.35	PASS
		50	25	22.34	PASS
		50	50	22.28	PASS
		100	0	22.38	PASS
	MCH	1	0	22.04	PASS
		1	49	21.83	PASS
		1	99	22.18	PASS
		50	0	20.62	PASS
		50	25	20.62	PASS

	HCH	50	50	20.85	PASS
		100	0	20.77	PASS
		1	0	21.99	PASS
		1	49	22.47	PASS
		1	99	22.77	PASS
		50	0	21.41	PASS
		50	25	21.73	PASS
		50	50	21.90	PASS
16QAM	LCH	100	0	21.59	PASS
		1	0	21.57	PASS
		1	49	21.10	PASS
		1	99	20.63	PASS
		50	0	20.94	PASS
		50	25	20.60	PASS
		50	50	20.79	PASS
	MCH	100	0	20.81	PASS
		1	0	20.90	PASS
		1	49	20.63	PASS
		1	99	20.67	PASS
		50	0	20.86	PASS
		50	25	20.81	PASS
		50	50	20.89	PASS
	HCH	100	0	20.89	PASS
		1	0	21.34	PASS
		1	49	21.91	PASS
		1	99	22.16	PASS
		50	0	20.48	PASS
		50	25	20.83	PASS
		50	50	20.89	PASS
		100	0	20.73	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	4.8	<13	PASS
		1	3	4.83	<13	PASS
		1	5	4.91	<13	PASS
		3	0	5.17	<13	PASS
		3	2	5.28	<13	PASS
		3	3	5.27	<13	PASS
		6	0	5.54	<13	PASS
	MCH	1	0	5.1	<13	PASS
		1	3	5.08	<13	PASS
		1	5	5.11	<13	PASS
		3	0	5.38	<13	PASS
		3	2	5.42	<13	PASS
		3	3	5.26	<13	PASS
		6	0	5.64	<13	PASS
16QAM	LCH	1	0	5.07	<13	PASS
		1	3	4.95	<13	PASS
		1	5	5.09	<13	PASS
		3	0	5.21	<13	PASS
		3	2	5.21	<13	PASS
		3	3	5.21	<13	PASS
		6	0	5.45	<13	PASS
	MCH	1	0	5.81	<13	PASS
		1	3	5.62	<13	PASS
		1	5	5.61	<13	PASS
		3	0	6.27	<13	PASS
		3	2	6.26	<13	PASS
		3	3	6.3	<13	PASS
		6	0	6.44	<13	PASS

		3	2	6.36	<13	PASS
		3	3	6.27	<13	PASS
		6	0	6.6	<13	PASS
HCH		1	0	5.96	<13	PASS
		1	3	6.03	<13	PASS
		1	5	5.98	<13	PASS
		3	0	6.01	<13	PASS
		3	2	6.14	<13	PASS
		3	3	6.02	<13	PASS
		6	0	6.37	<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	5.13	<13	PASS
		1	7	5.28	<13	PASS
		1	14	5.4	<13	PASS
		8	0	5.5	<13	PASS
		8	4	5.68	<13	PASS
		8	7	5.71	<13	PASS
		15	0	5.71	<13	PASS
	MCH	1	0	4.91	<13	PASS
		1	7	5	<13	PASS
		1	14	5.14	<13	PASS
		8	0	5.68	<13	PASS
		8	4	5.68	<13	PASS
		8	7	5.62	<13	PASS
		15	0	5.75	<13	PASS
	HCH	1	0	4.94	<13	PASS
		1	7	4.9	<13	PASS
		1	14	5.07	<13	PASS
		8	0	5.5	<13	PASS
		8	4	5.43	<13	PASS
		8	7	5.51	<13	PASS
		15	0	5.47	<13	PASS
16QAM	LCH	1	0	5.76	<13	PASS
		1	7	5.91	<13	PASS
		1	14	6.05	<13	PASS
		8	0	6.4	<13	PASS
		8	4	6.31	<13	PASS

		8	7	6.28	<13	PASS
		15	0	6.52	<13	PASS
MCH		1	0	5.84	<13	PASS
		1	7	5.77	<13	PASS
		1	14	6.05	<13	PASS
		8	0	6.48	<13	PASS
		8	4	6.38	<13	PASS
		8	7	6.2	<13	PASS
		15	0	6.42	<13	PASS
HCH		1	0	5.6	<13	PASS
		1	7	5.84	<13	PASS
		1	14	5.83	<13	PASS
		8	0	6.49	<13	PASS
		8	4	6.43	<13	PASS
		8	7	6.54	<13	PASS
		15	0	6.43	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.44	<13	PASS
		1	12	5.6	<13	PASS
		1	24	5.54	<13	PASS
		12	0	5.68	<13	PASS
		12	6	5.64	<13	PASS
		12	13	5.68	<13	PASS
		25	0	5.61	<13	PASS
	MCH	1	0	5.23	<13	PASS
		1	12	5.33	<13	PASS
		1	24	5.18	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.58	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.6	<13	PASS
	HCH	1	0	4.64	<13	PASS
		1	12	4.87	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.26	<13	PASS
		12	6	5.37	<13	PASS
		12	13	5.45	<13	PASS

		25	0	5.37	<13	PASS
16QAM	LCH	1	0	6.25	<13	PASS
		1	12	6.2	<13	PASS
		1	24	6.23	<13	PASS
		12	0	6.48	<13	PASS
		12	6	6.58	<13	PASS
		12	13	6.51	<13	PASS
		25	0	6.33	<13	PASS
	MCH	1	0	5.86	<13	PASS
		1	12	5.97	<13	PASS
		1	24	6.44	<13	PASS
		12	0	6.23	<13	PASS
		12	6	6.28	<13	PASS
		12	13	6.34	<13	PASS
		25	0	6.36	<13	PASS
	HCH	1	0	5.6	<13	PASS
		1	12	5.68	<13	PASS
		1	24	5.98	<13	PASS
		12	0	6.17	<13	PASS
		12	6	6.31	<13	PASS
		12	13	6.34	<13	PASS
		25	0	6.01	<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	4.97	<13	PASS
		1	24	4.95	<13	PASS
		1	49	4.96	<13	PASS
		25	0	5.63	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.6	<13	PASS
		50	0	5.56	<13	PASS
	MCH	1	0	4.58	<13	PASS
		1	24	4.72	<13	PASS
		1	49	4.85	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.61	<13	PASS
		50	0	5.68	<13	PASS

		1	0	4.43	<13	PASS
	HCH	1	24	4.33	<13	PASS
		1	49	4.68	<13	PASS
		25	0	5.05	<13	PASS
		25	12	5.13	<13	PASS
		25	25	5.3	<13	PASS
		50	0	5.25	<13	PASS
		1	0	5.64	<13	PASS
	LCH	1	24	5.71	<13	PASS
		1	49	5.21	<13	PASS
		25	0	6.54	<13	PASS
		25	12	6.34	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.24	<13	PASS
		1	0	5.26	<13	PASS
	MCH	1	24	5.55	<13	PASS
		1	49	5.69	<13	PASS
		25	0	6.32	<13	PASS
		25	12	6.39	<13	PASS
		25	25	6.46	<13	PASS
		50	0	6.31	<13	PASS
		1	0	5.31	<13	PASS
	HCH	1	24	5.32	<13	PASS
		1	49	5.62	<13	PASS
		25	0	5.93	<13	PASS
		25	12	6.12	<13	PASS
		25	25	6.24	<13	PASS
		50	0	6.05	<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	5.11	<13	PASS
		1	37	4.87	<13	PASS
		1	74	4.7	<13	PASS
		37	0	5.56	<13	PASS
		37	18	5.47	<13	PASS
		37	38	5.39	<13	PASS
		75	0	5.83	<13	PASS
	MCH	1	0	4.57	<13	PASS

		1	37	5.1	<13	PASS
		1	74	5.17	<13	PASS
		37	0	5.42	<13	PASS
		37	18	5.54	<13	PASS
		37	38	5.64	<13	PASS
		75	0	5.84	<13	PASS
	HCH	1	0	4.42	<13	PASS
		1	37	4.24	<13	PASS
		1	74	4.79	<13	PASS
		37	0	5.13	<13	PASS
		37	18	5.07	<13	PASS
		37	38	5.26	<13	PASS
		75	0	5.51	<13	PASS
16QAM	LCH	1	0	5.6	<13	PASS
		1	37	5.37	<13	PASS
		1	74	5.06	<13	PASS
		37	0	6.33	<13	PASS
		37	18	6.28	<13	PASS
		37	38	6.2	<13	PASS
		75	0	6.32	<13	PASS
	MCH	1	0	5.18	<13	PASS
		1	37	5.6	<13	PASS
		1	74	6.09	<13	PASS
		37	0	6.21	<13	PASS
		37	18	6.31	<13	PASS
		37	38	6.51	<13	PASS
		75	0	6.32	<13	PASS
	HCH	1	0	5.52	<13	PASS
		1	37	5.09	<13	PASS
		1	74	5.52	<13	PASS
		37	0	5.84	<13	PASS
		37	18	5.8	<13	PASS
		37	38	6.02	<13	PASS
		75	0	6.07	<13	PASS

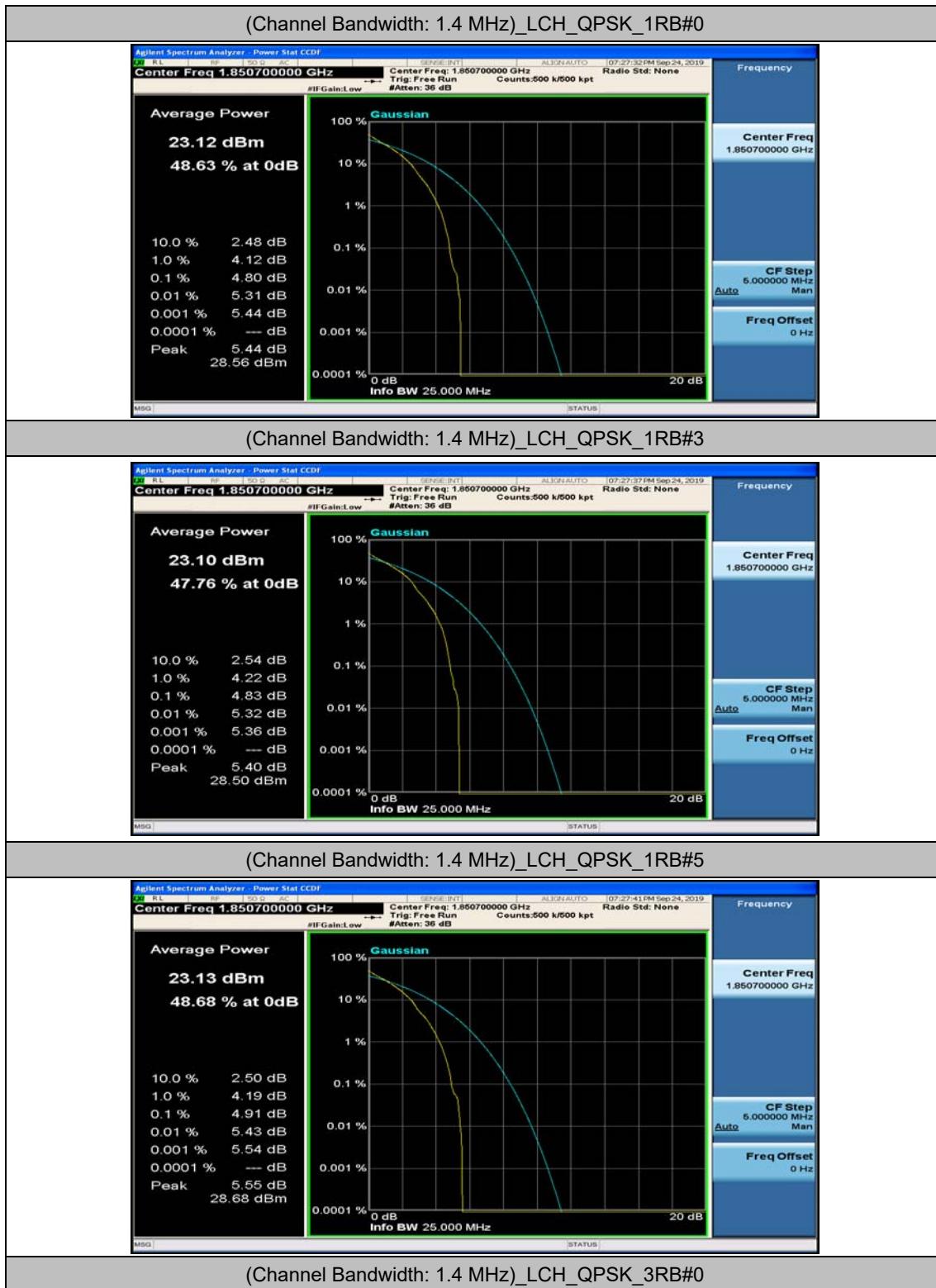
Channel Bandwidth: 20 MHz

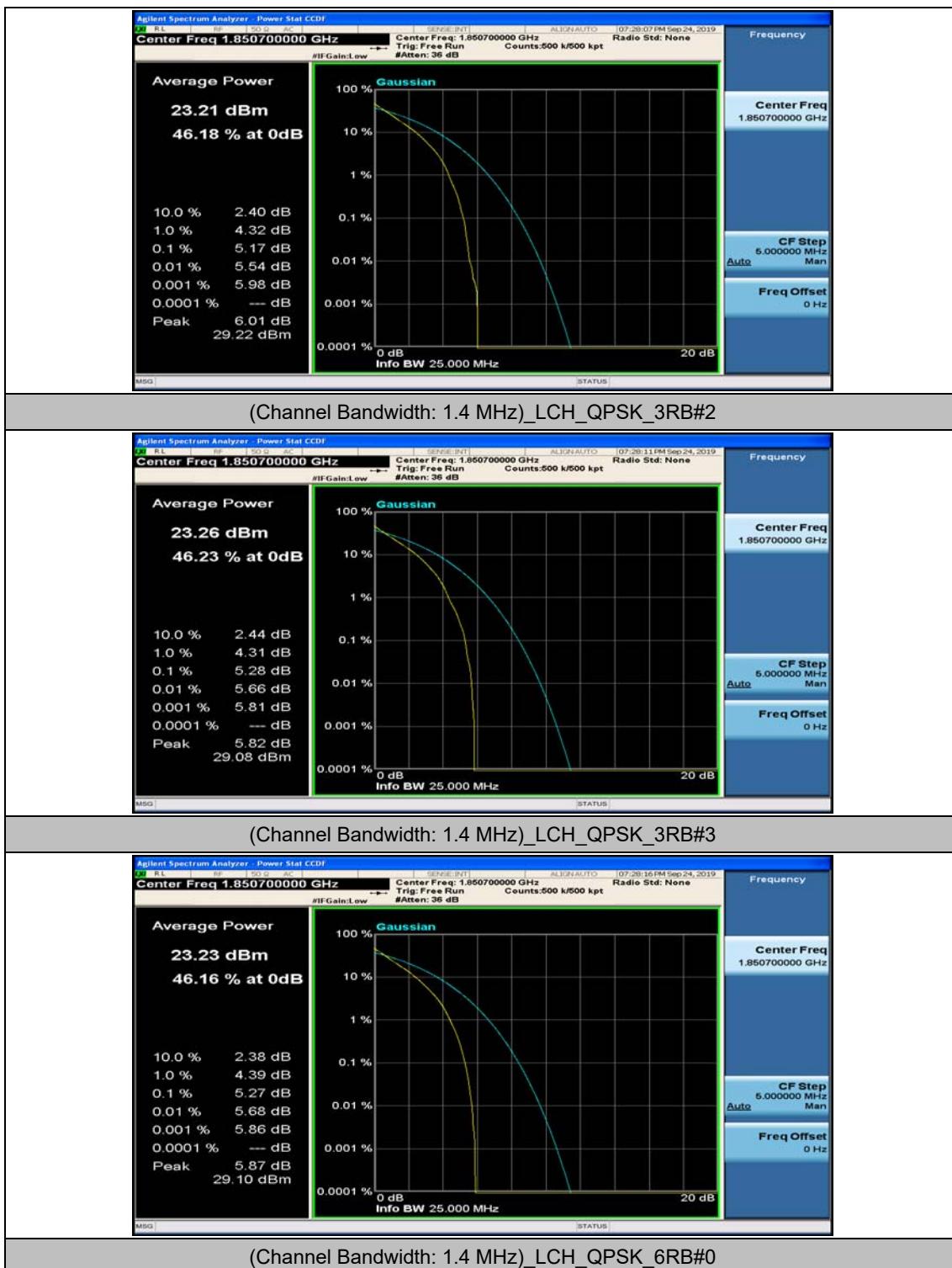
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.76	<13	PASS
		1	49	4.63	<13	PASS
		1	99	4.45	<13	PASS
		50	0	5.59	<13	PASS
		50	25	5.41	<13	PASS
		50	50	5.33	<13	PASS
		100	0	5.59	<13	PASS
	MCH	1	0	4.62	<13	PASS
		1	49	5.1	<13	PASS
		1	99	5.09	<13	PASS
		50	0	5.44	<13	PASS
		50	25	5.59	<13	PASS
		50	50	5.74	<13	PASS
		100	0	5.67	<13	PASS
16QAM	LCH	1	0	4.92	<13	PASS
		1	49	4.53	<13	PASS
		1	99	4.71	<13	PASS
		50	0	5.31	<13	PASS
		50	25	5.2	<13	PASS
		50	50	5.24	<13	PASS
		100	0	5.37	<13	PASS
	MCH	1	0	6.11	<13	PASS
		1	49	5.96	<13	PASS
		1	99	5.36	<13	PASS
		50	0	6.28	<13	PASS
		50	25	6.21	<13	PASS
		50	50	6.04	<13	PASS
		100	0	6.21	<13	PASS
	HCH	1	0	5.66	<13	PASS
		1	49	5.98	<13	PASS
		1	99	6	<13	PASS
		50	0	6.18	<13	PASS
		50	25	6.32	<13	PASS
		50	50	6.39	<13	PASS
		100	0	6.35	<13	PASS
	HCH	1	0	5.99	<13	PASS

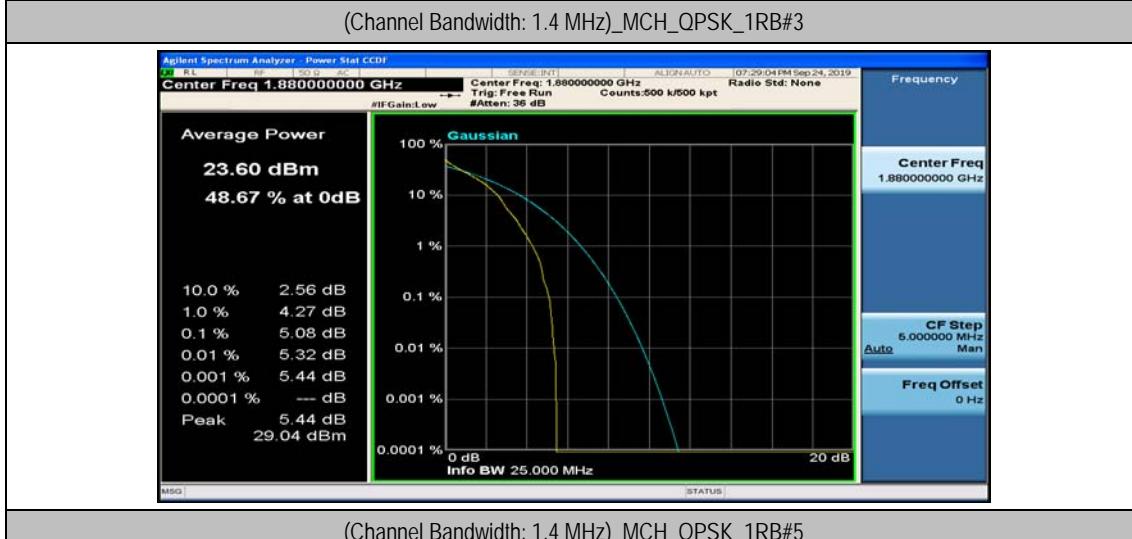
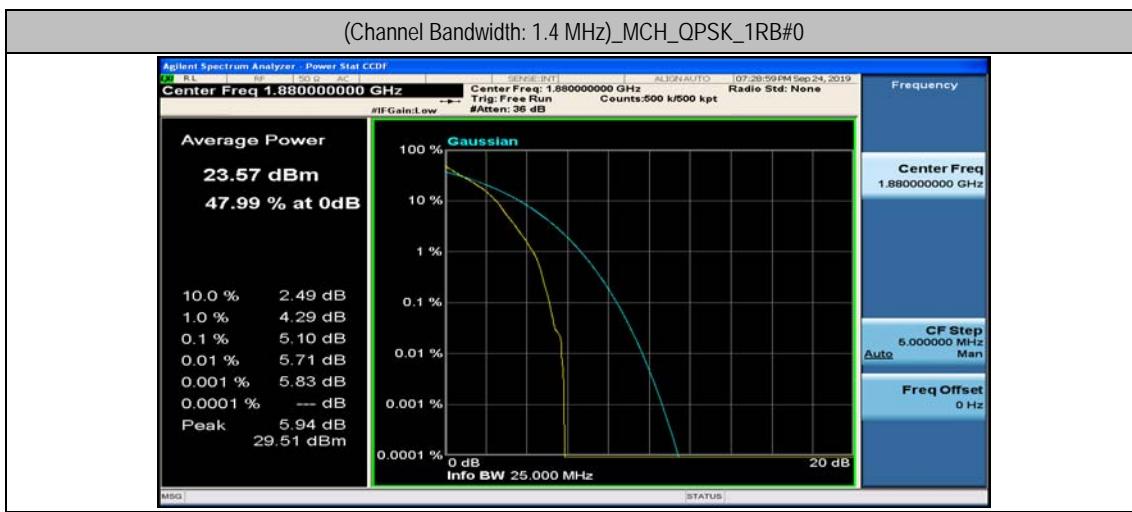
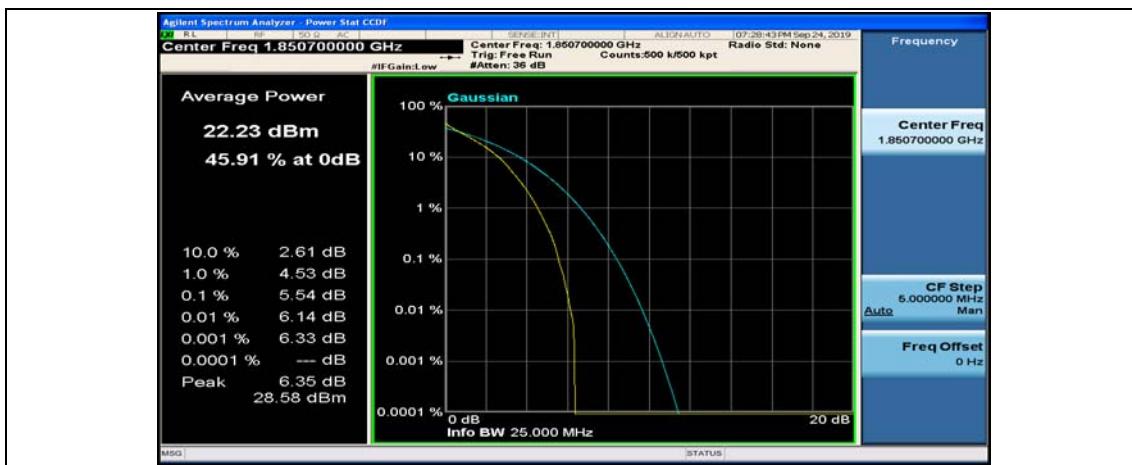
		1	49	5.26	<13	PASS
		1	99	5.82	<13	PASS
		50	0	6.1	<13	PASS
		50	25	5.96	<13	PASS
		50	50	6.04	<13	PASS
		100	0	6.14	<13	PASS

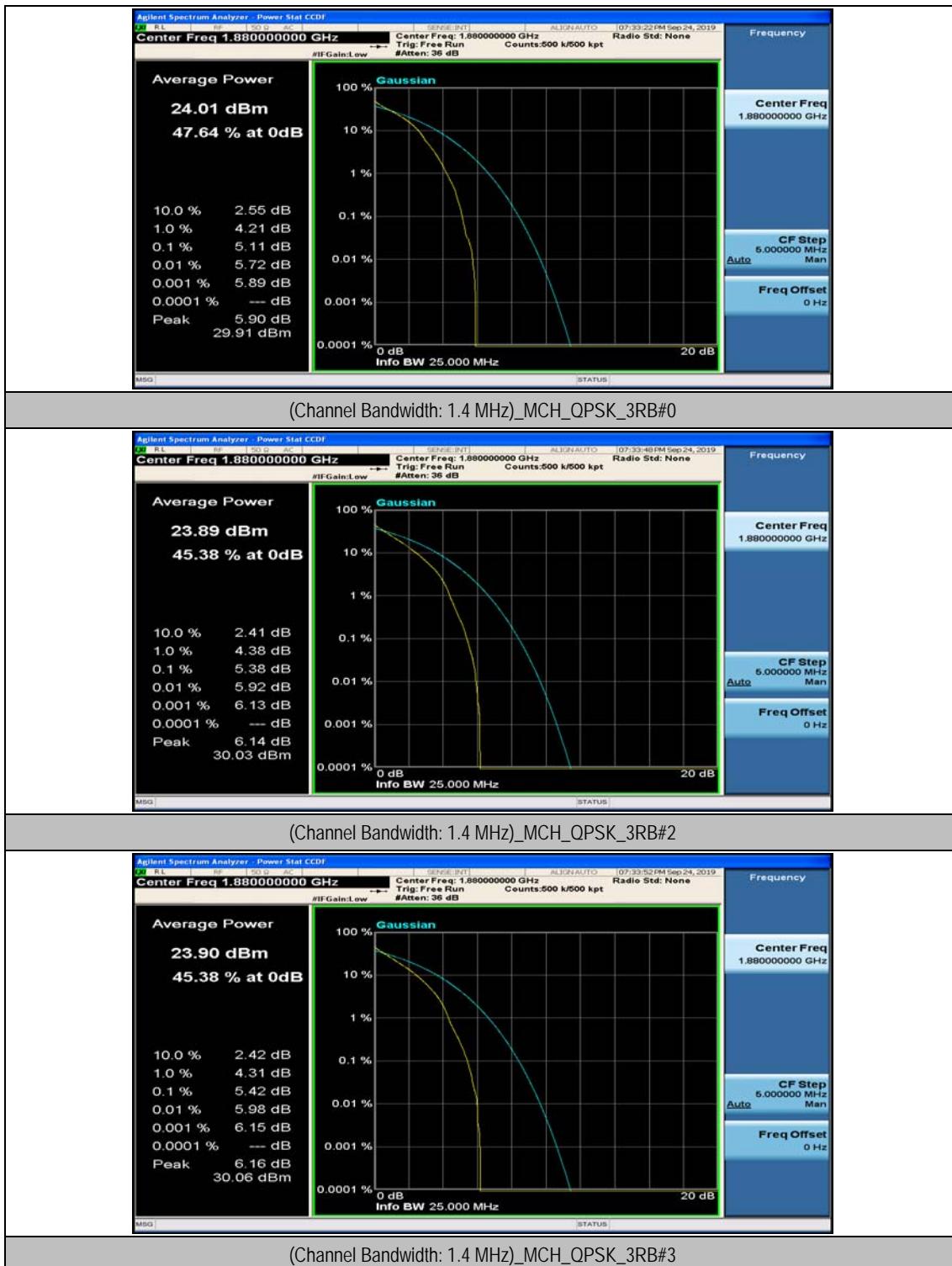
Test Graphs

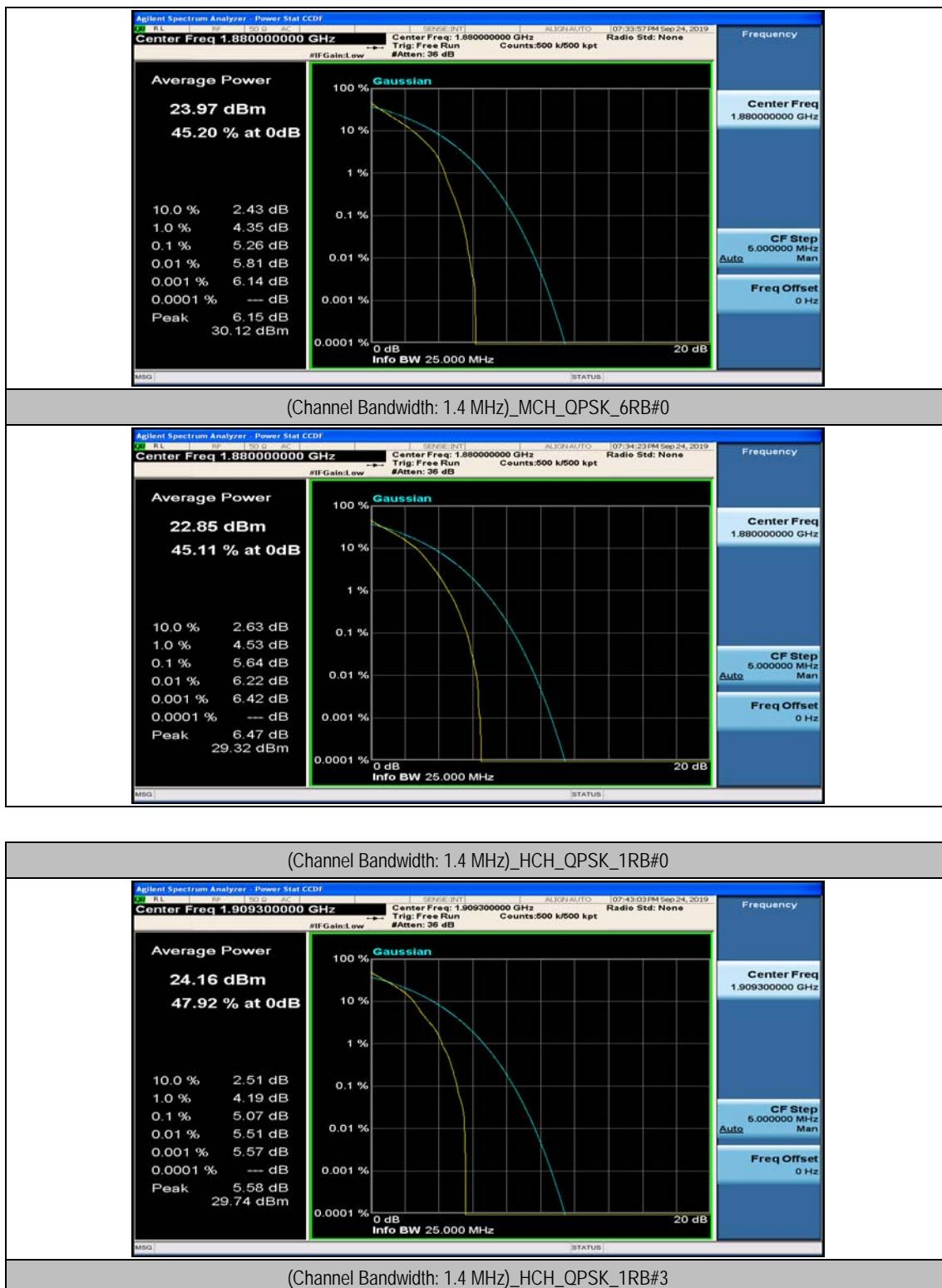
Channel Bandwidth: 1.4 MHz

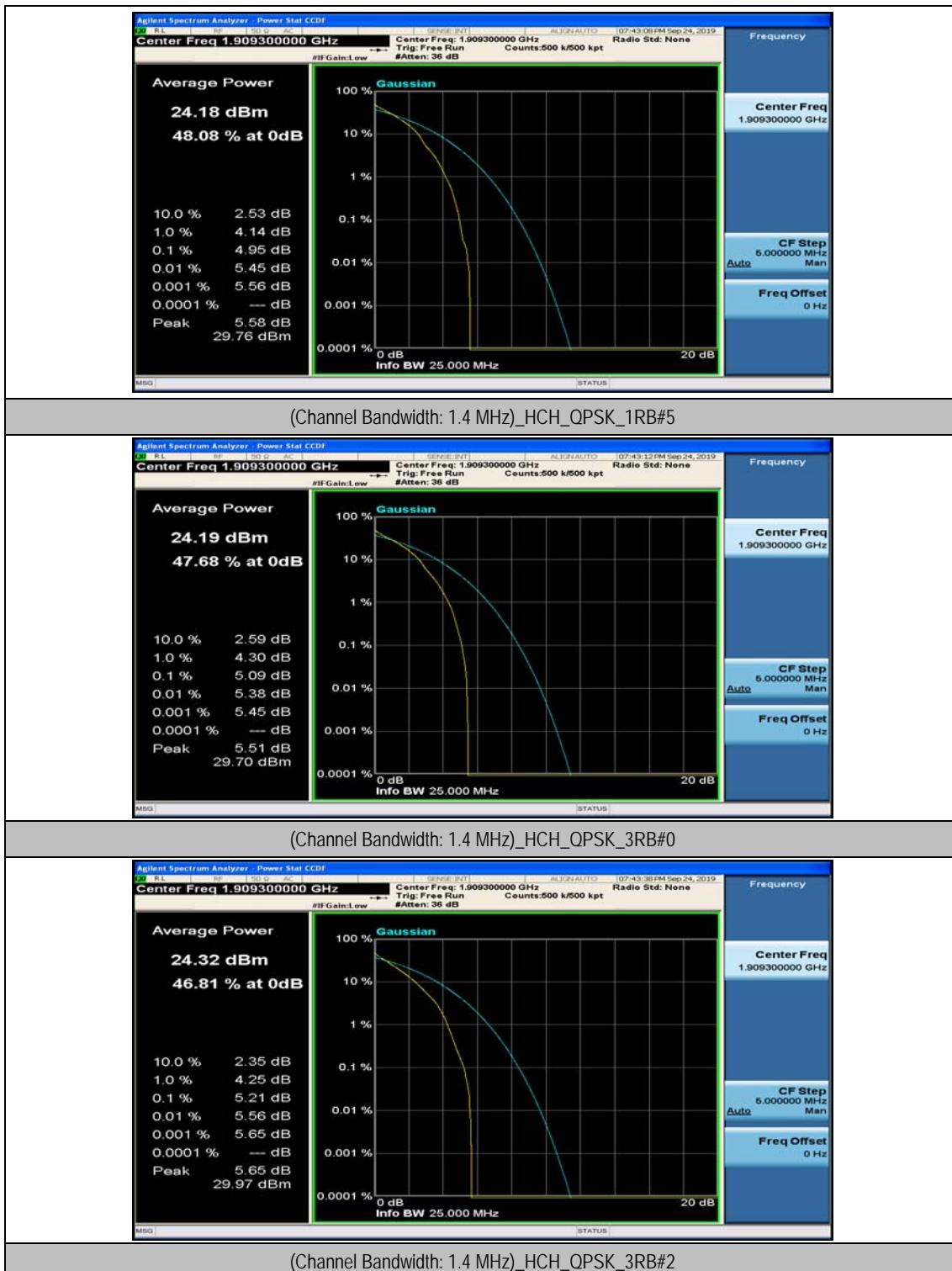


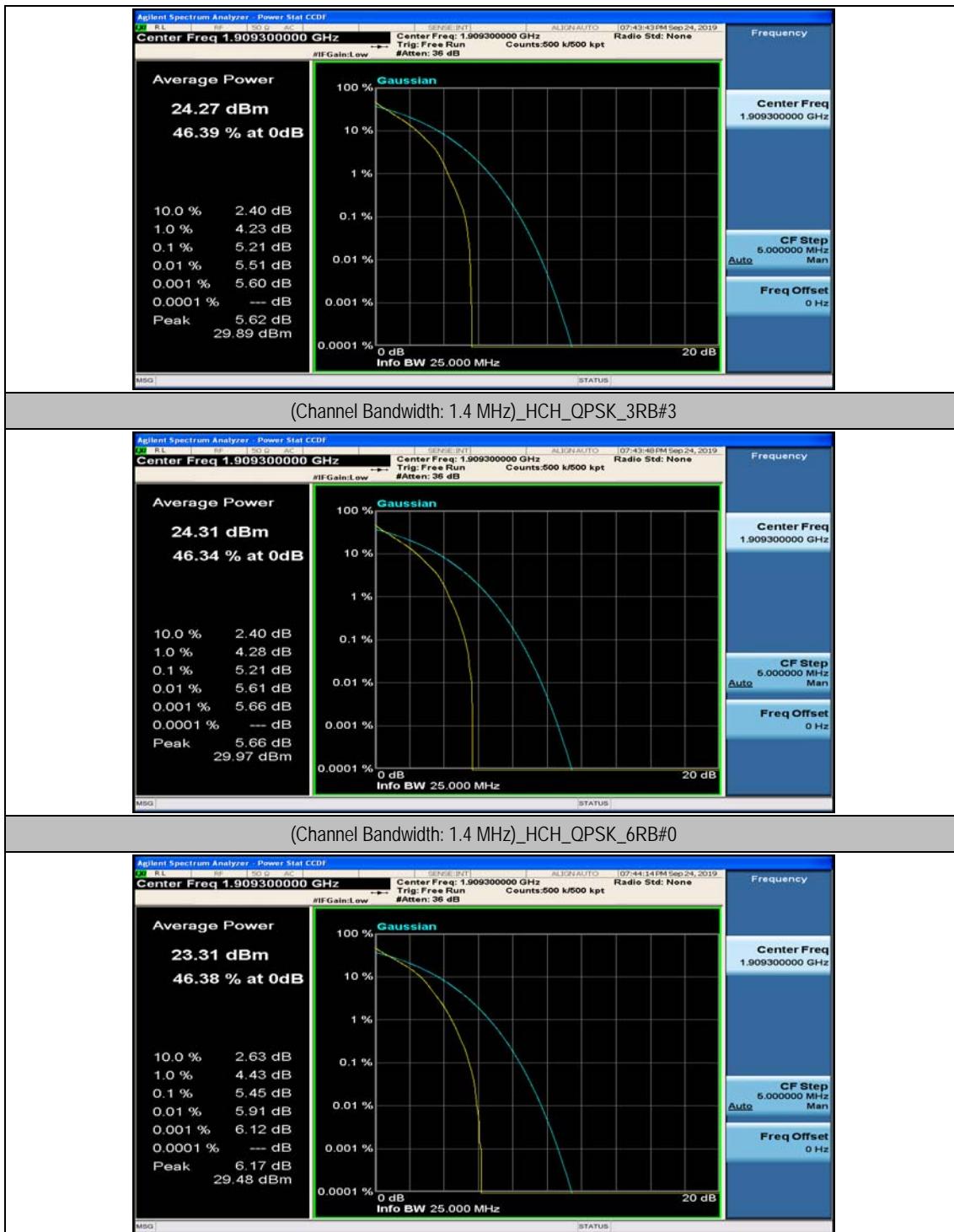


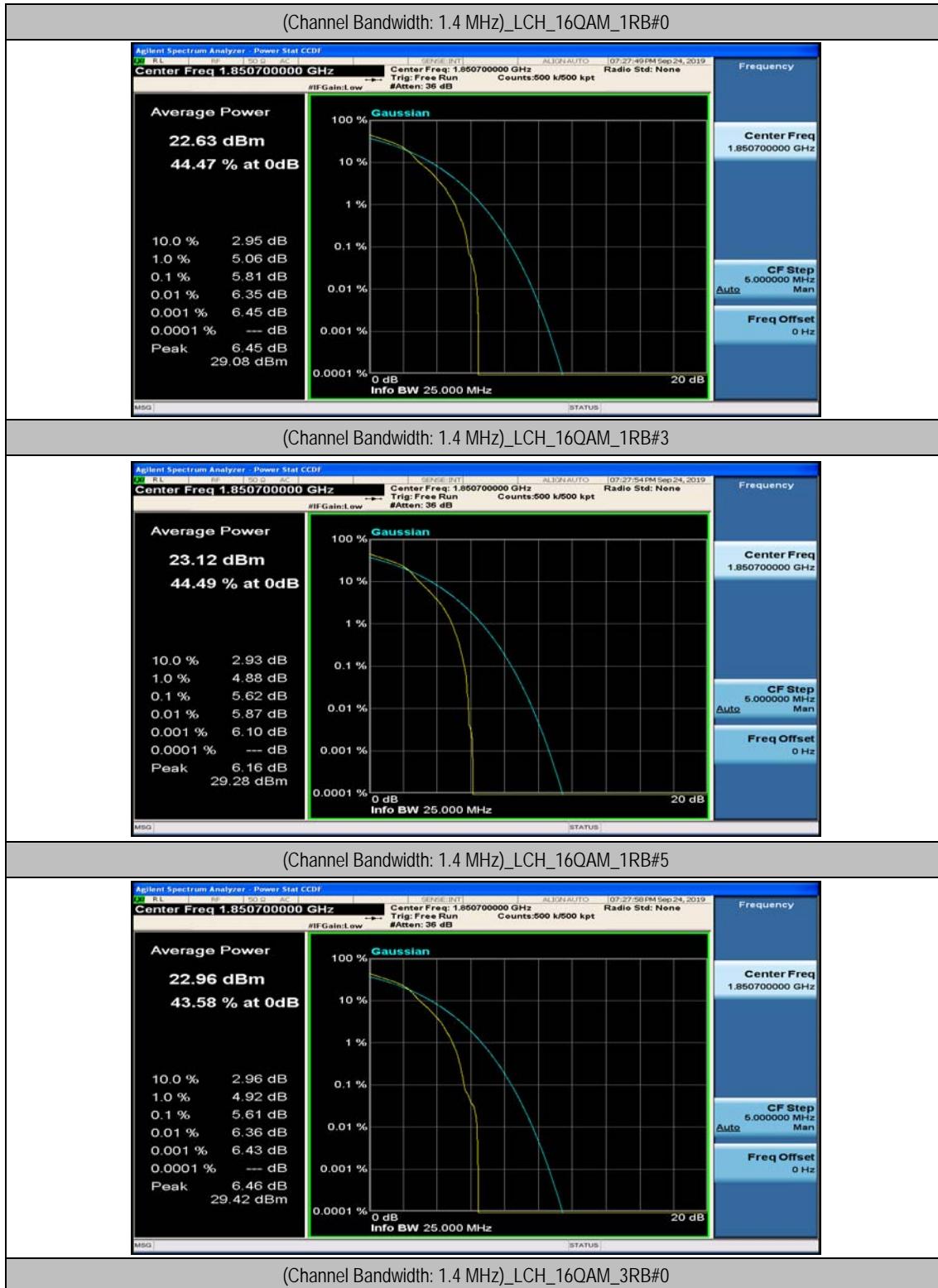


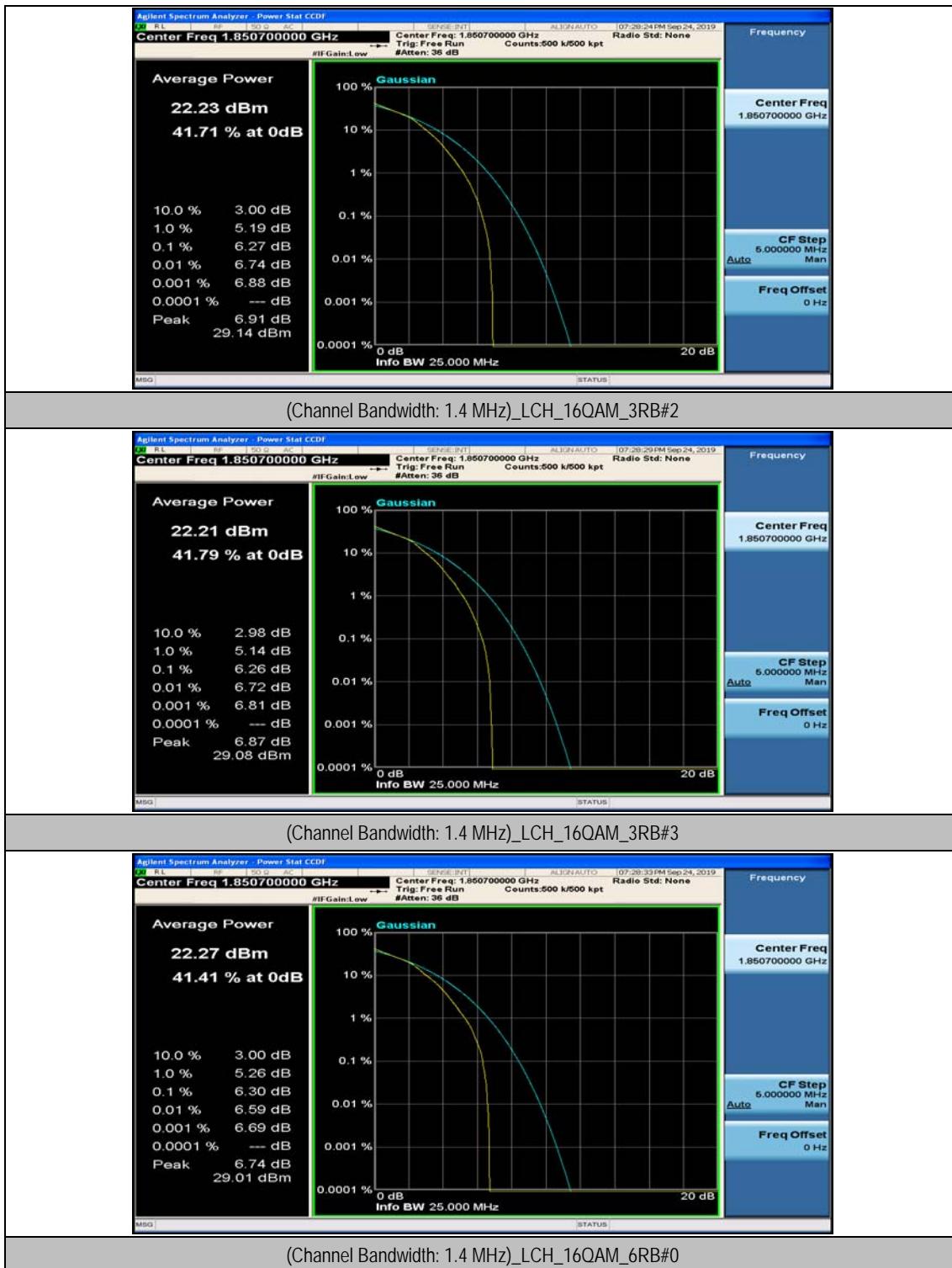


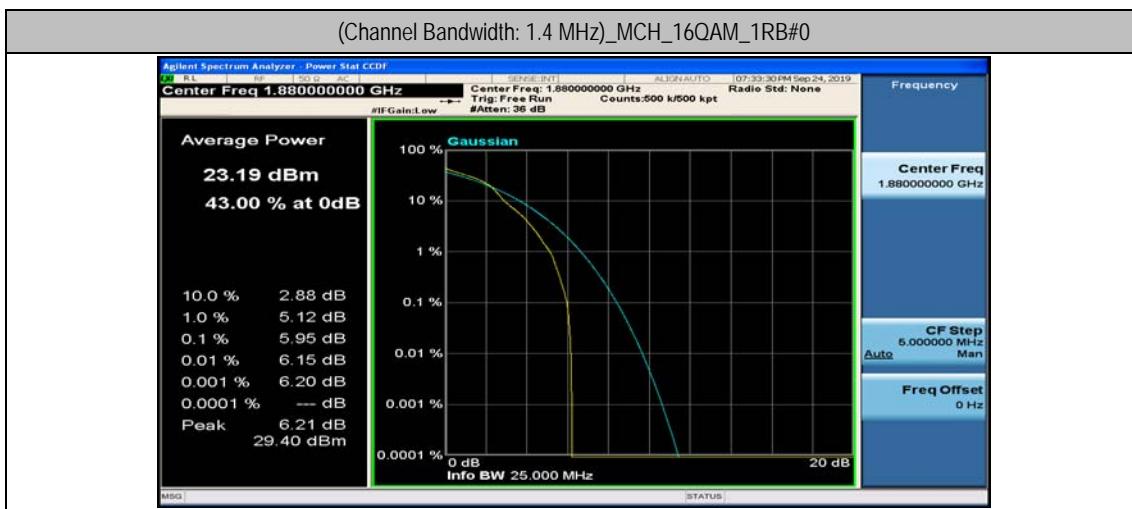
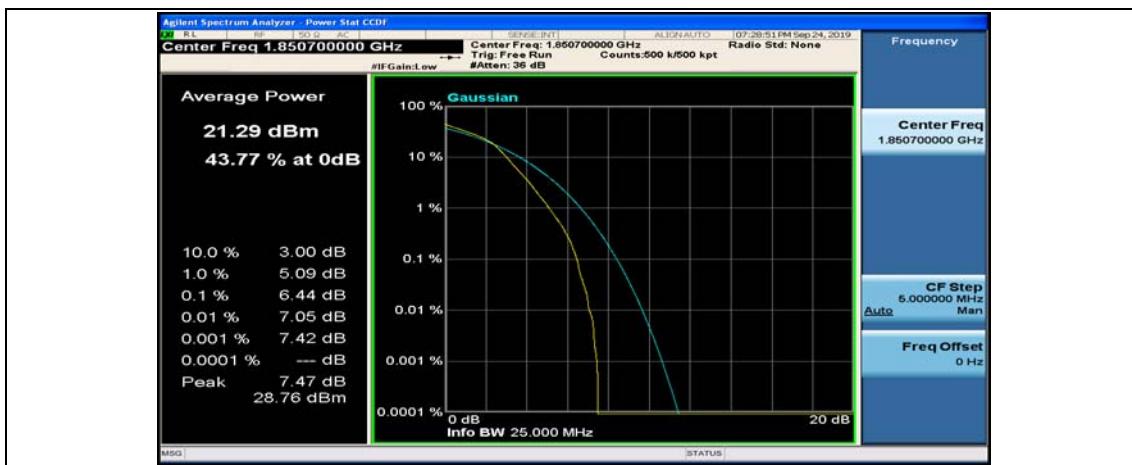


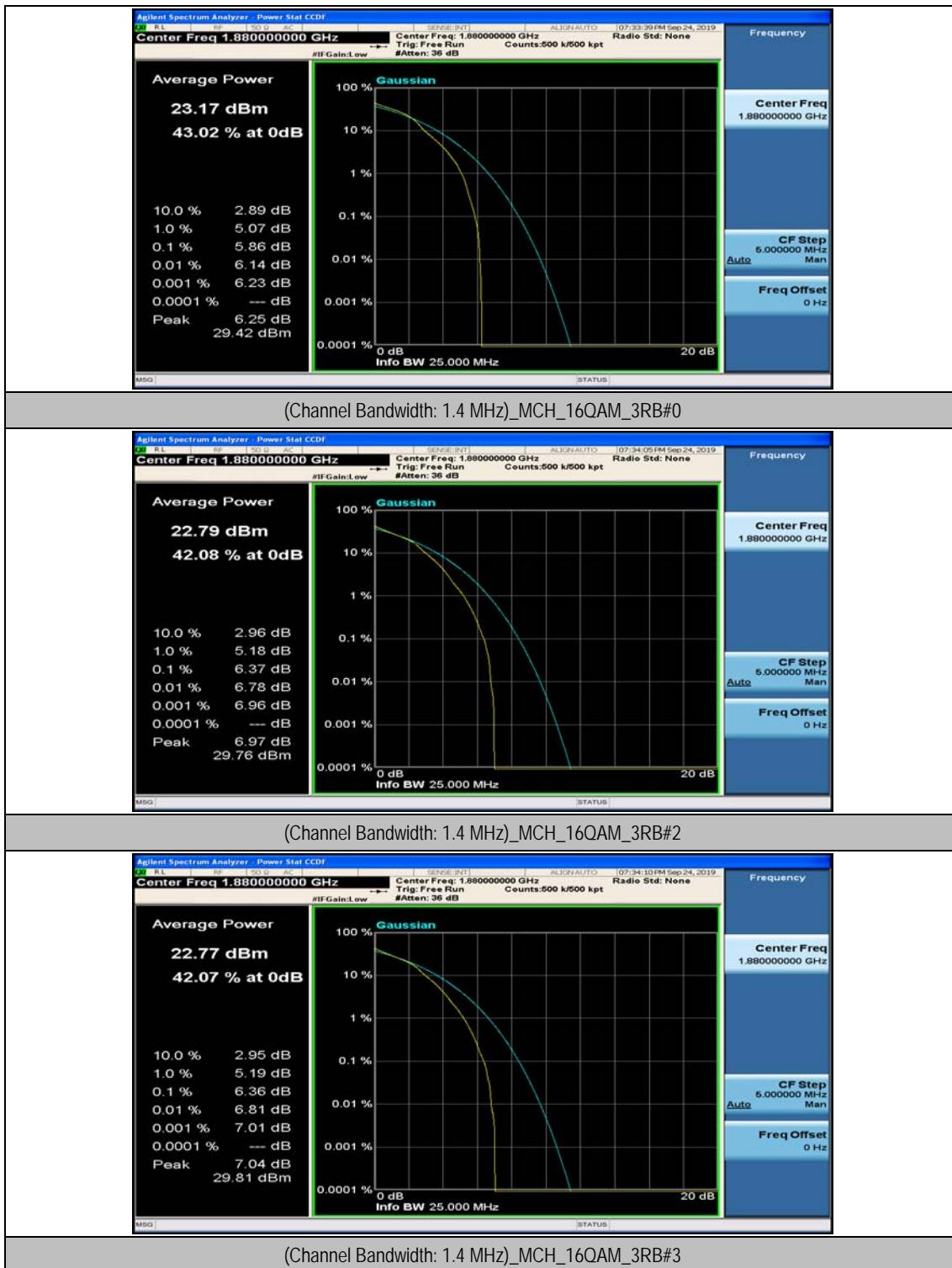


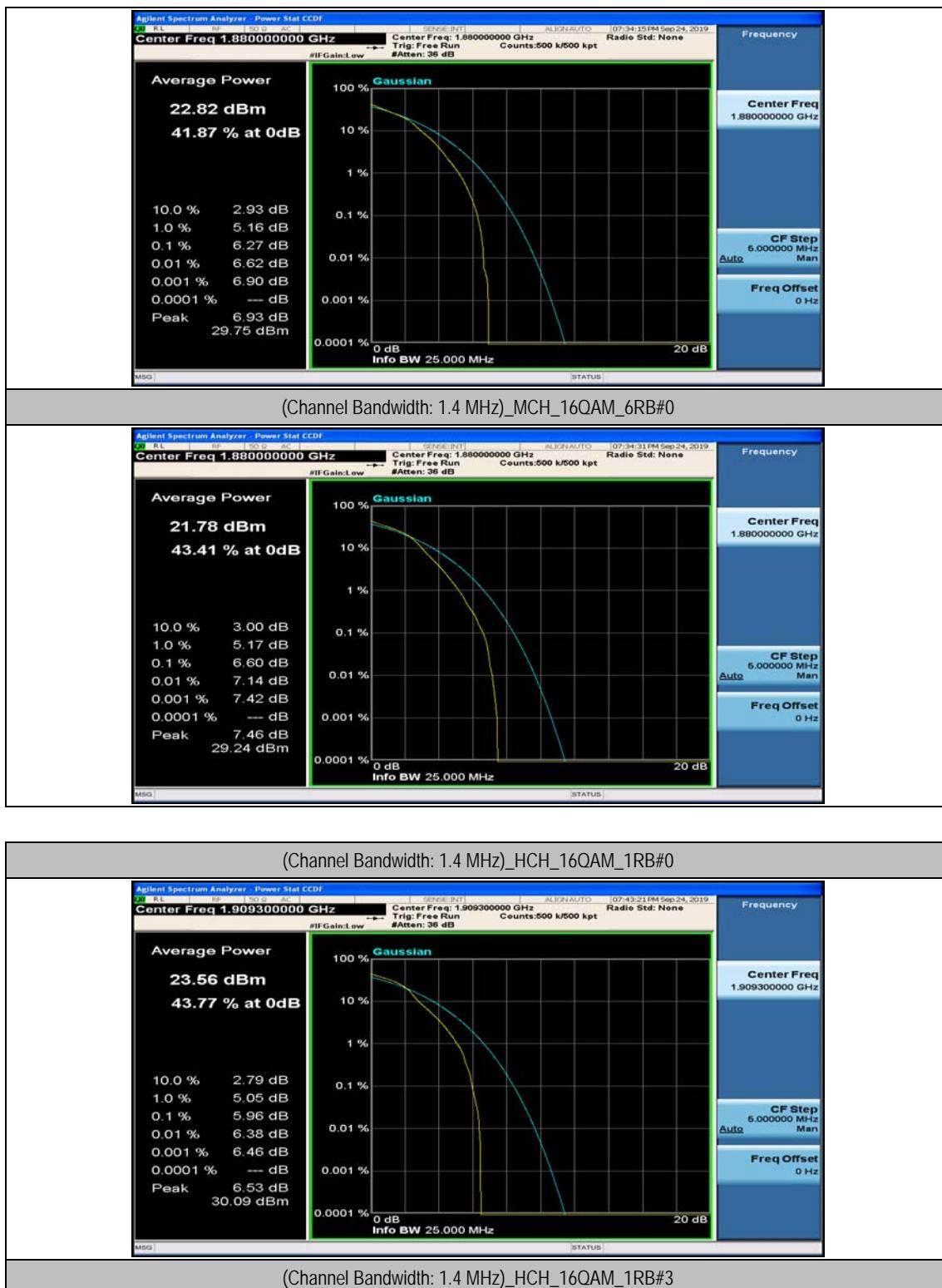


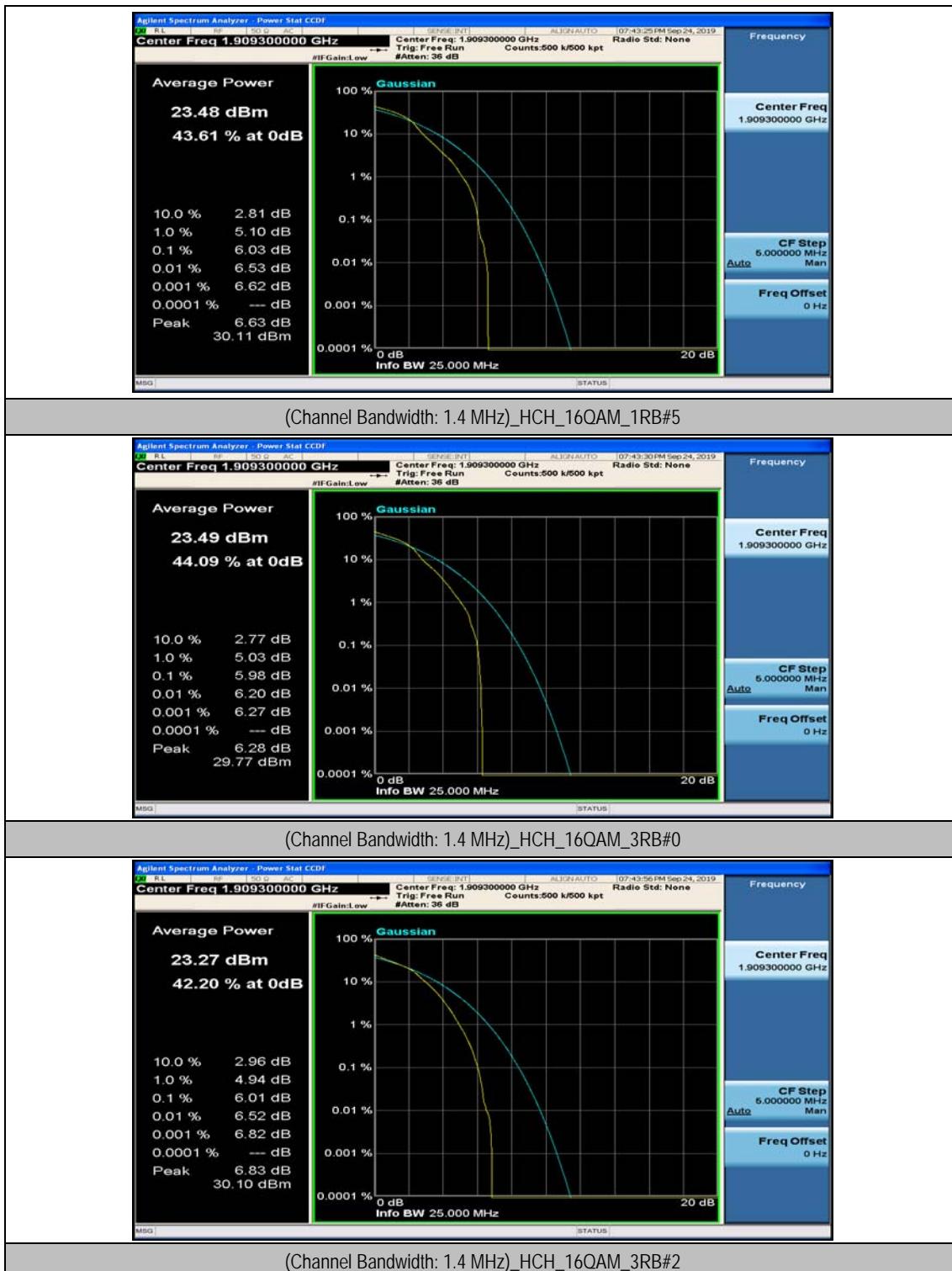


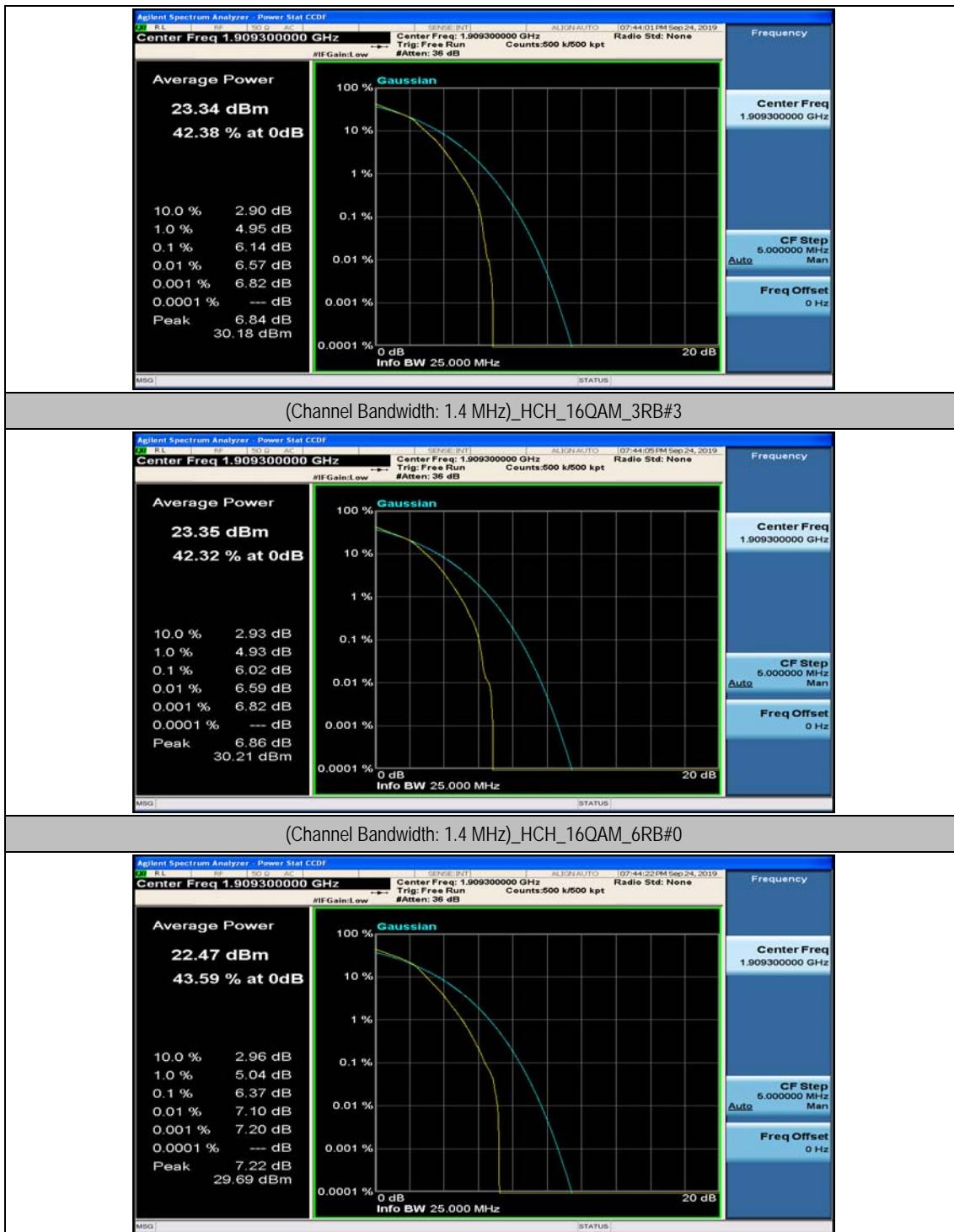




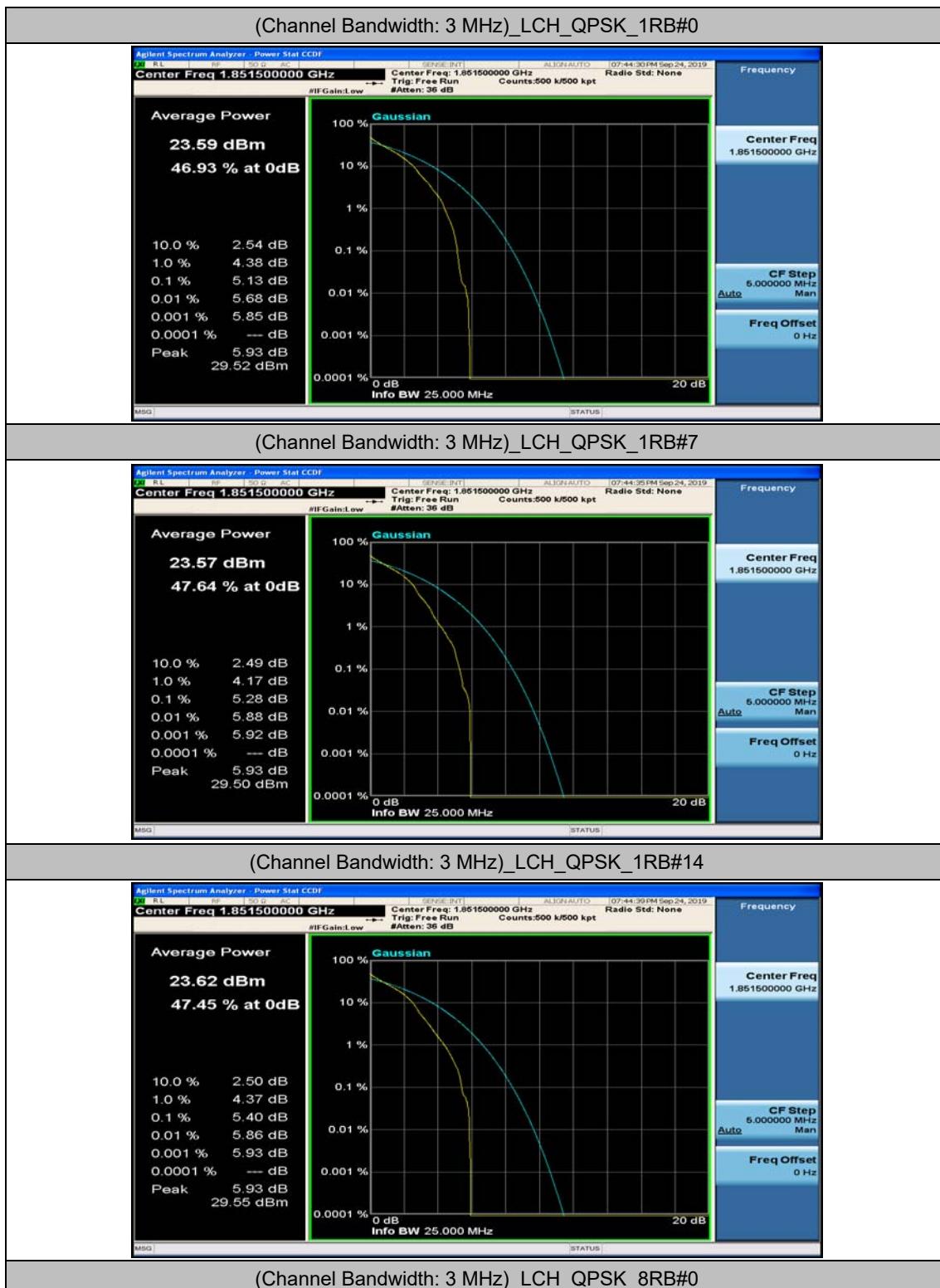


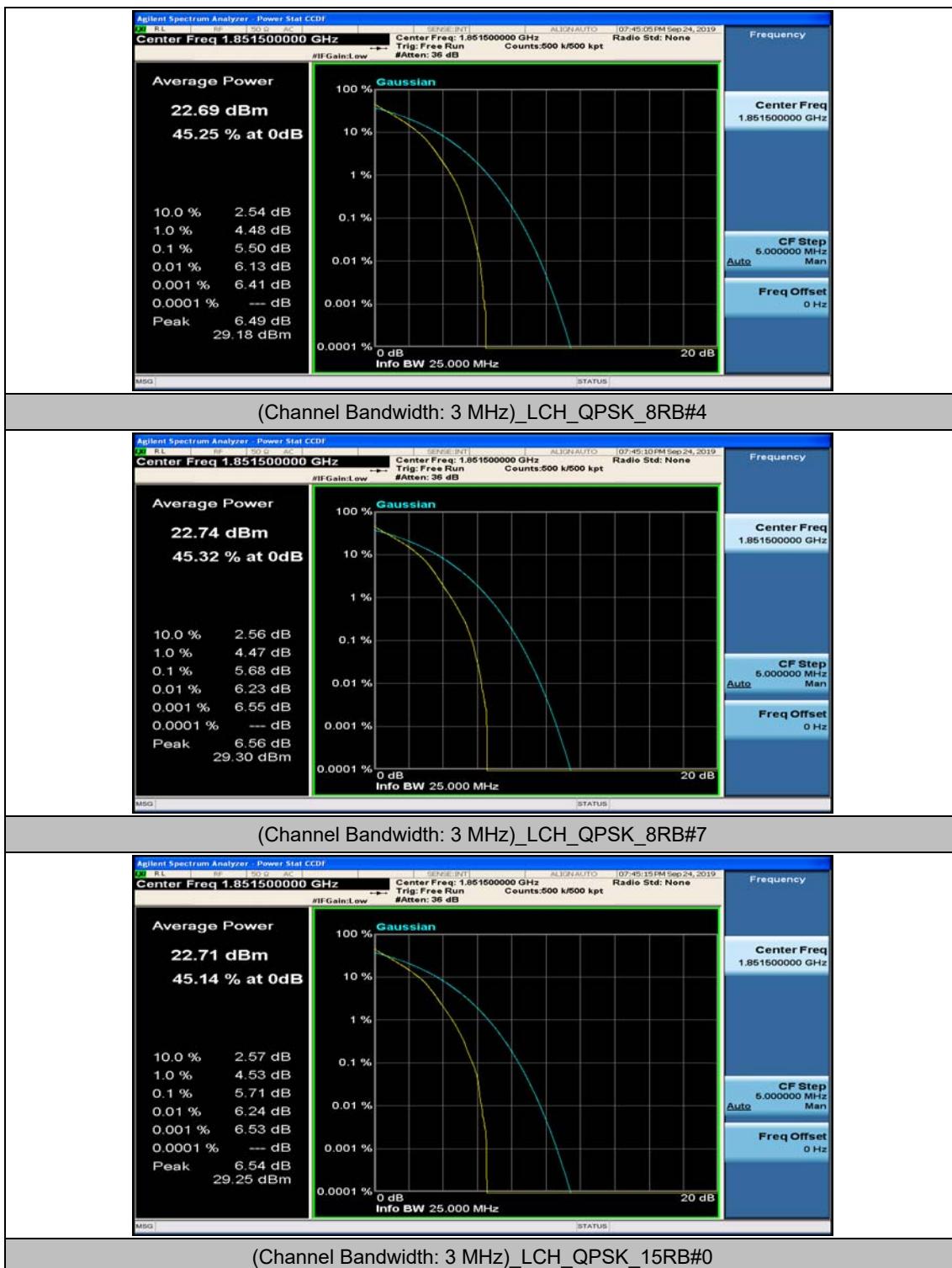


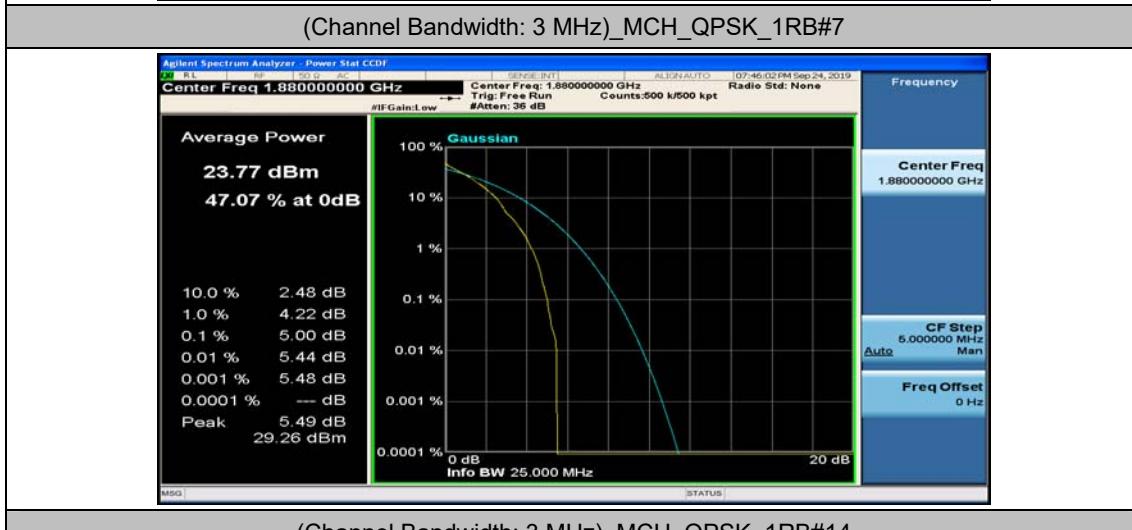
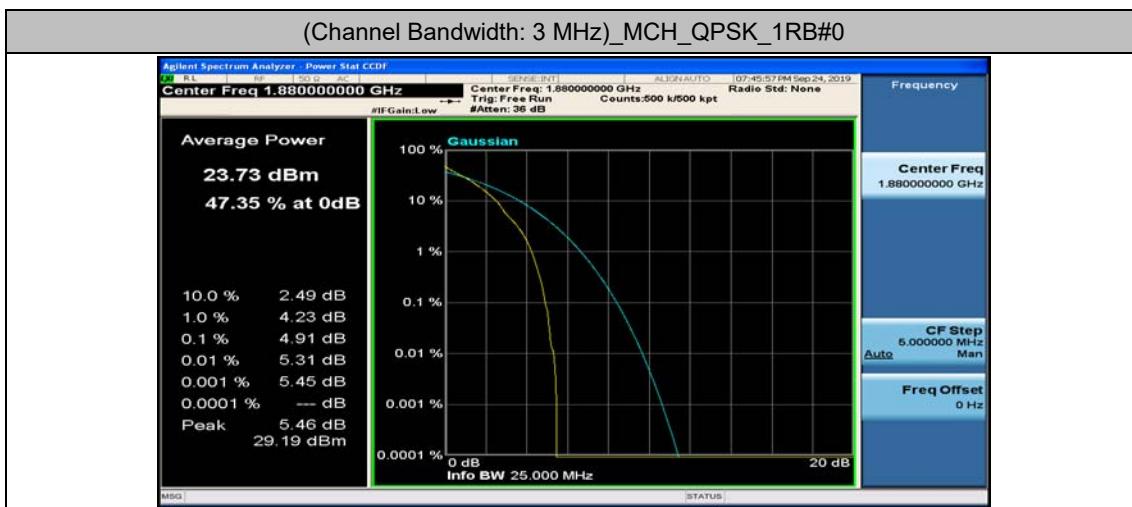
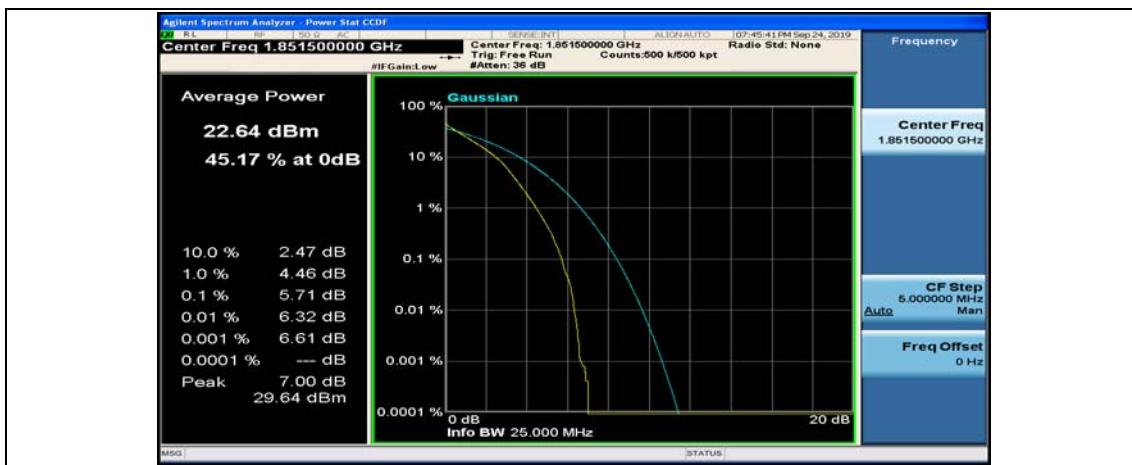




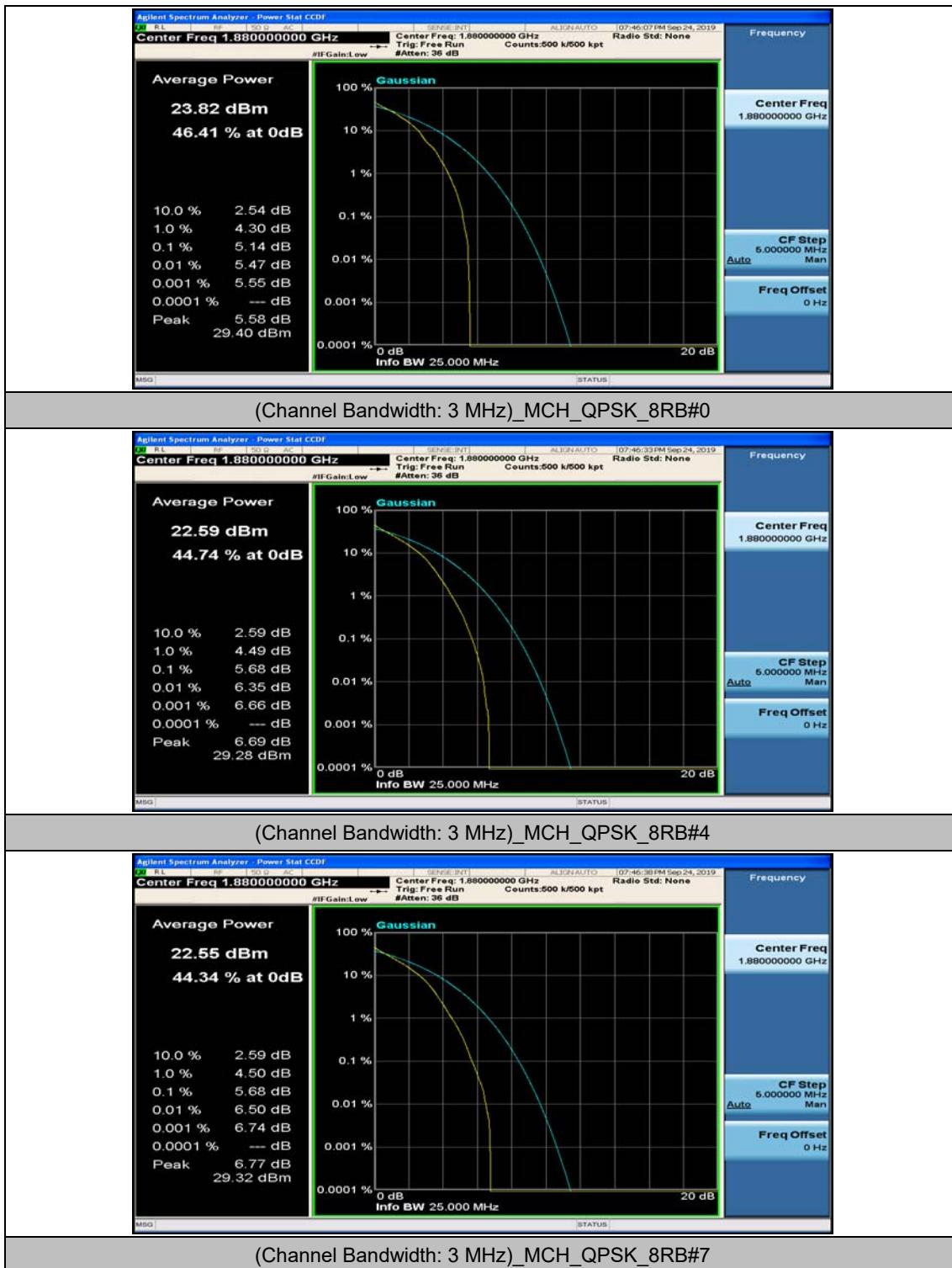
Channel Bandwidth: 3 MHz

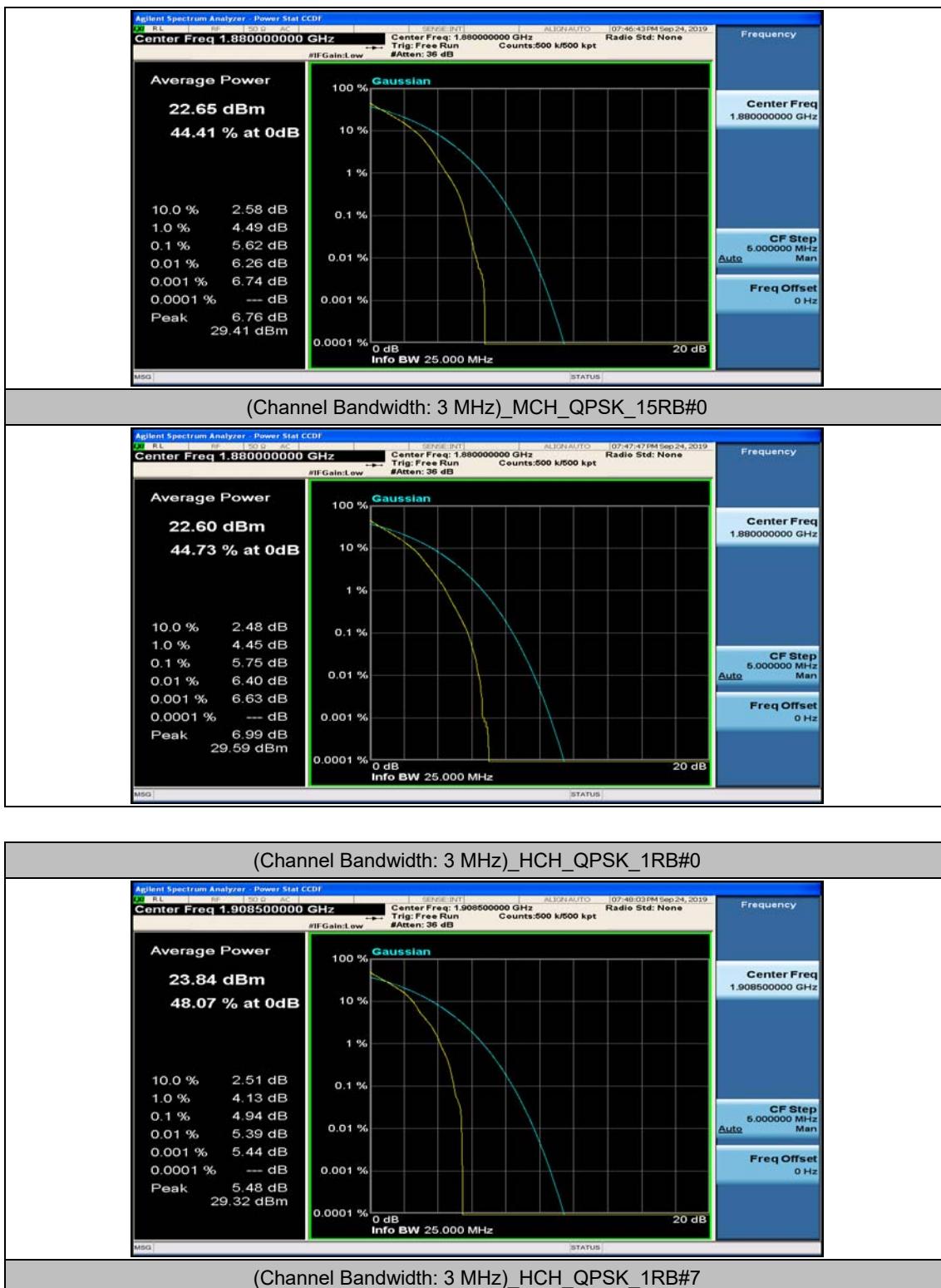


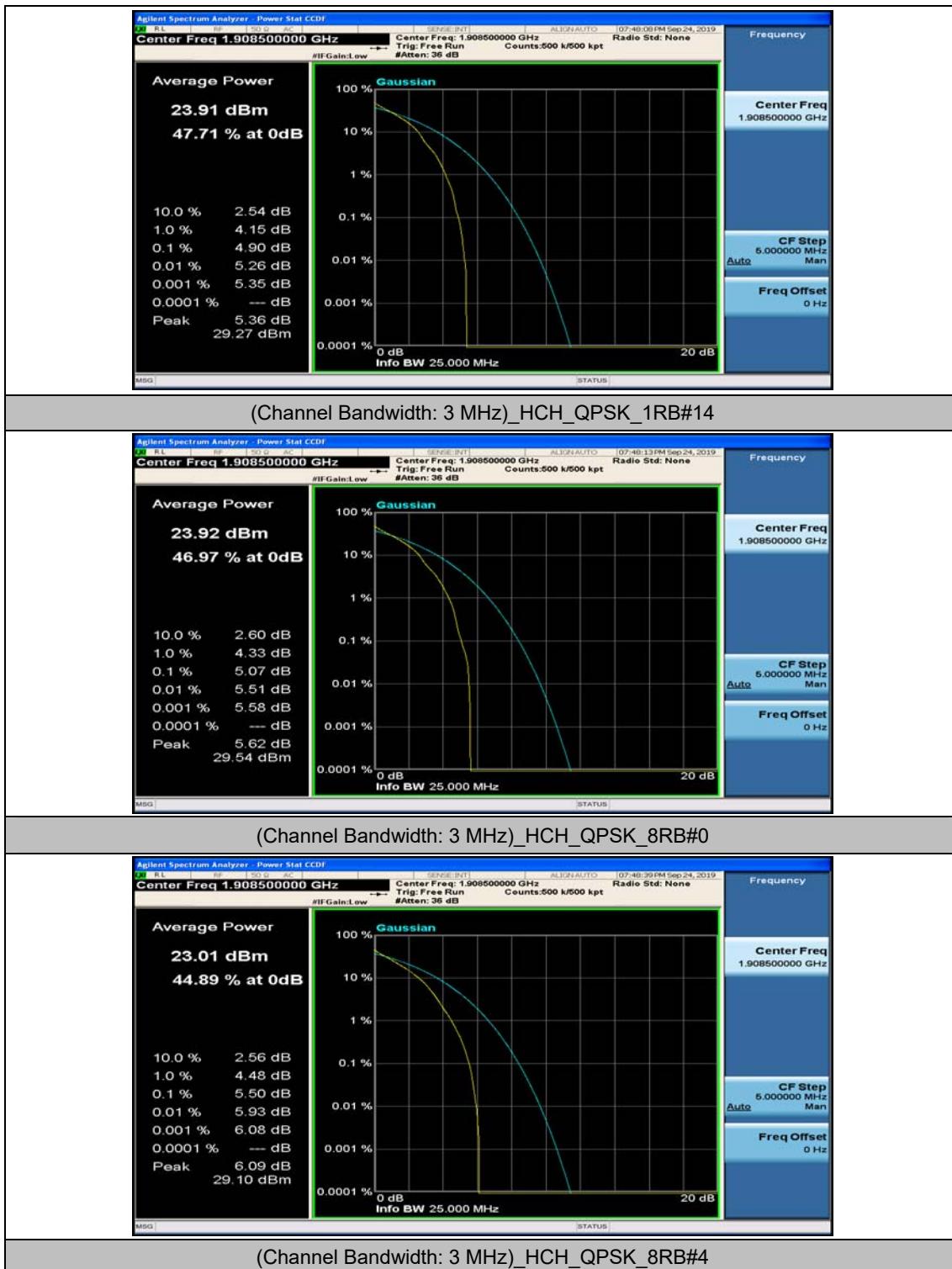


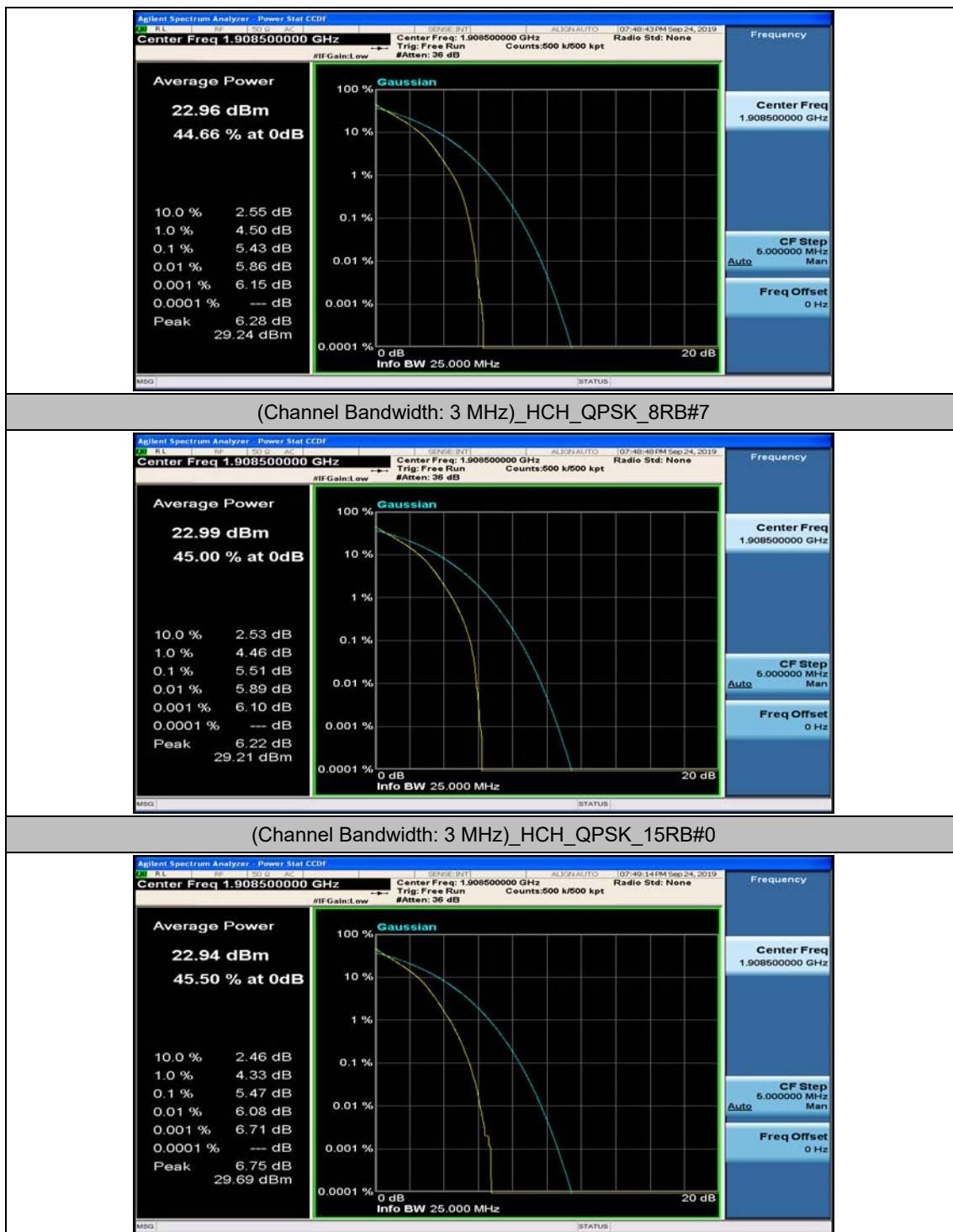


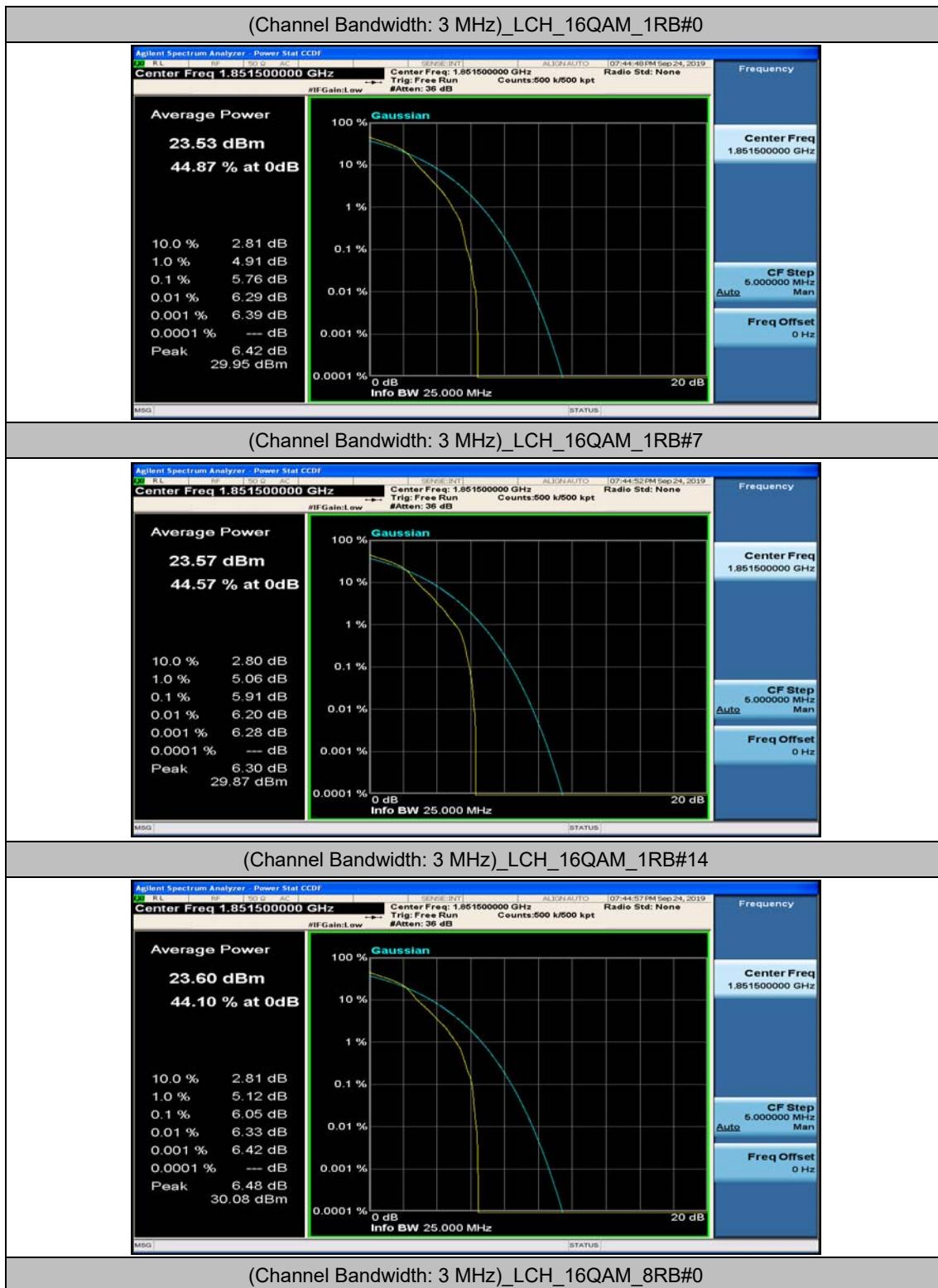
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

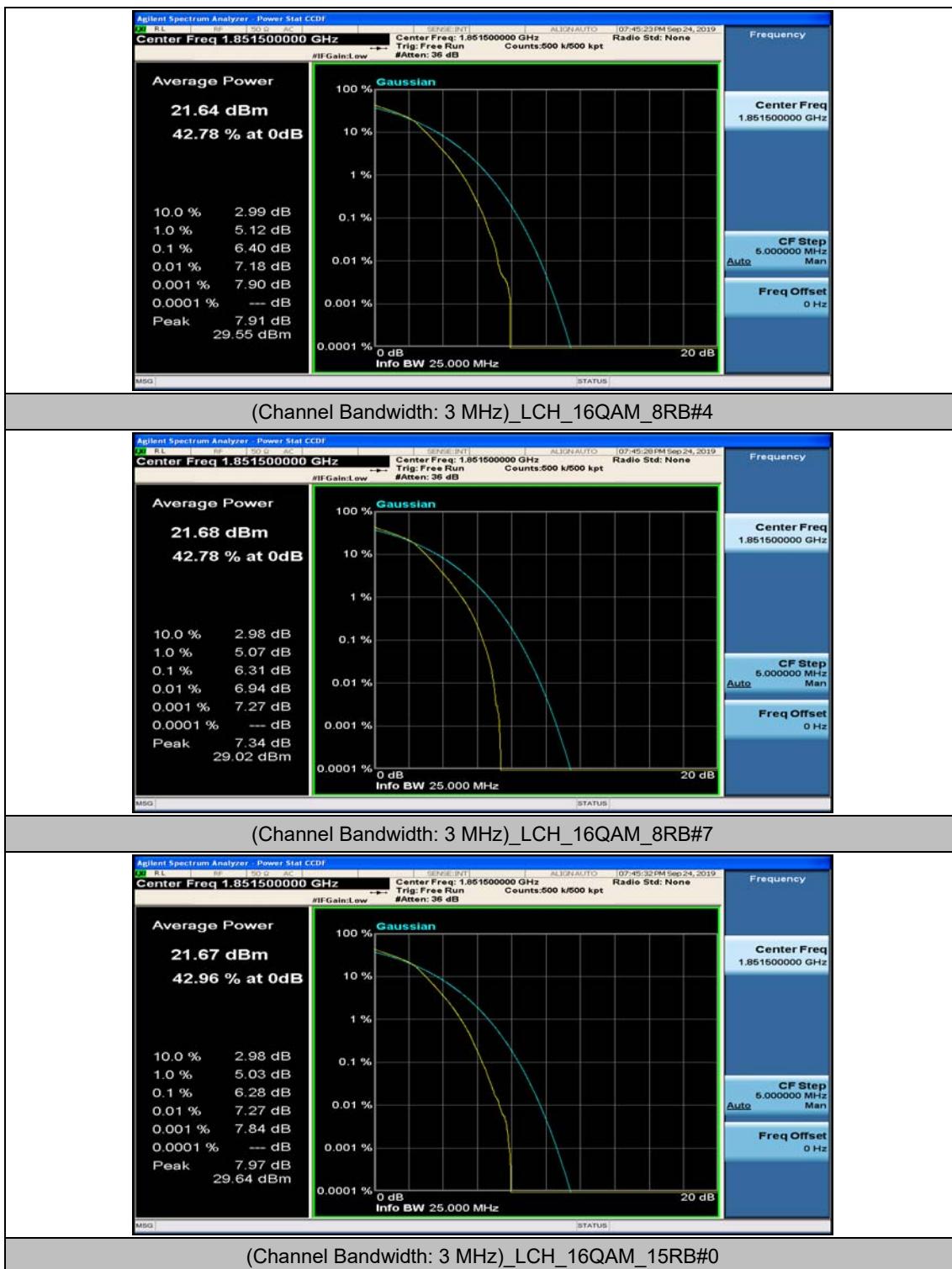


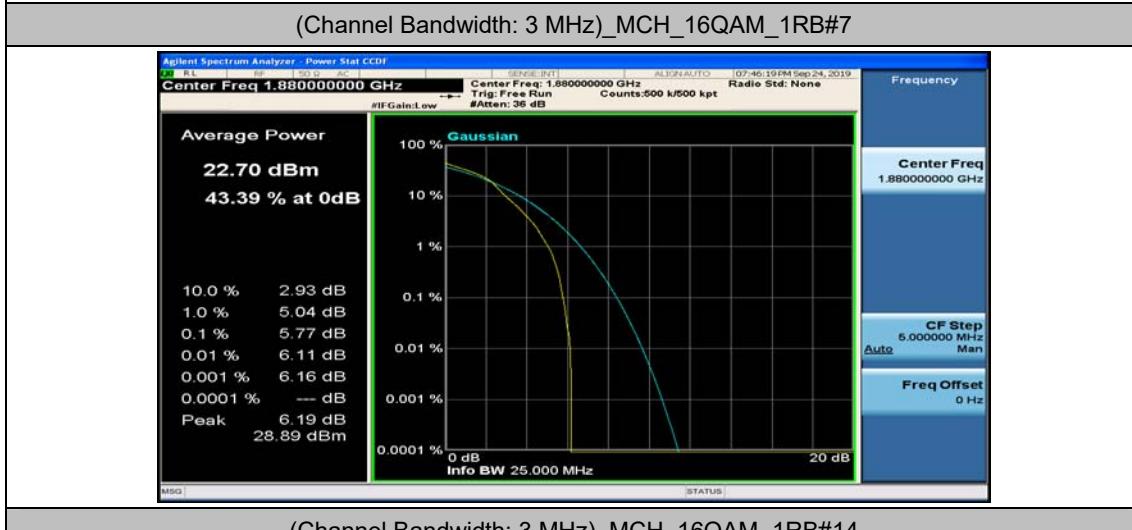
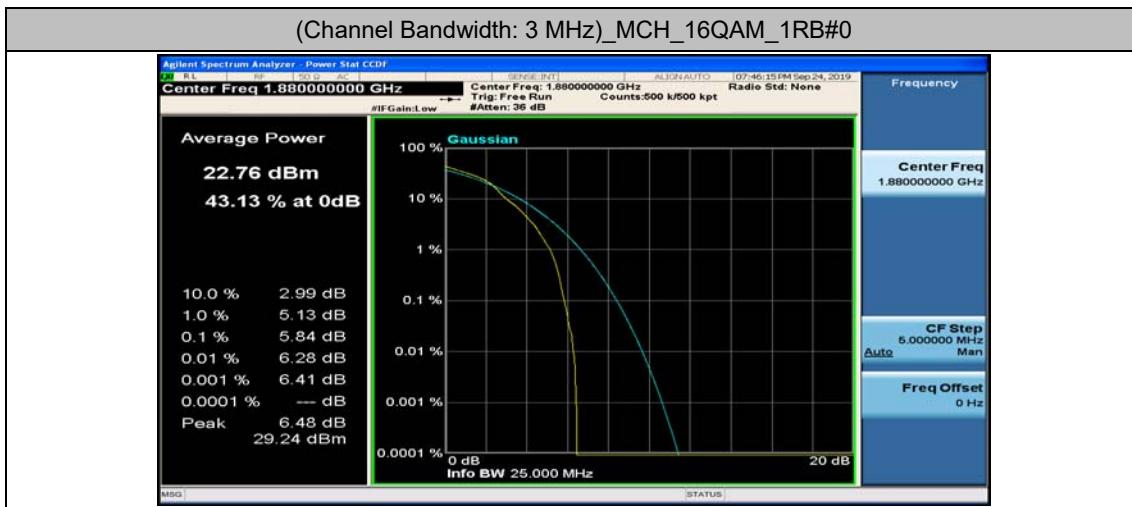
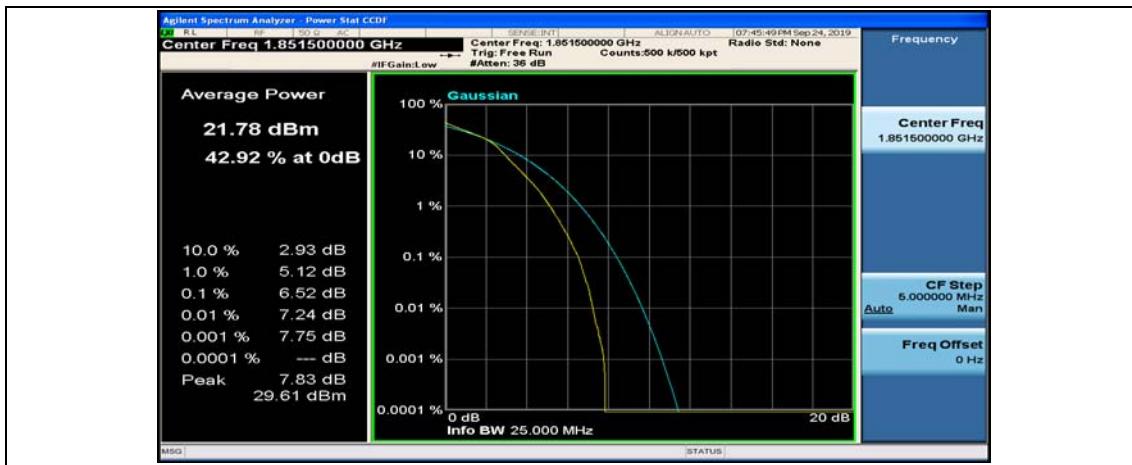




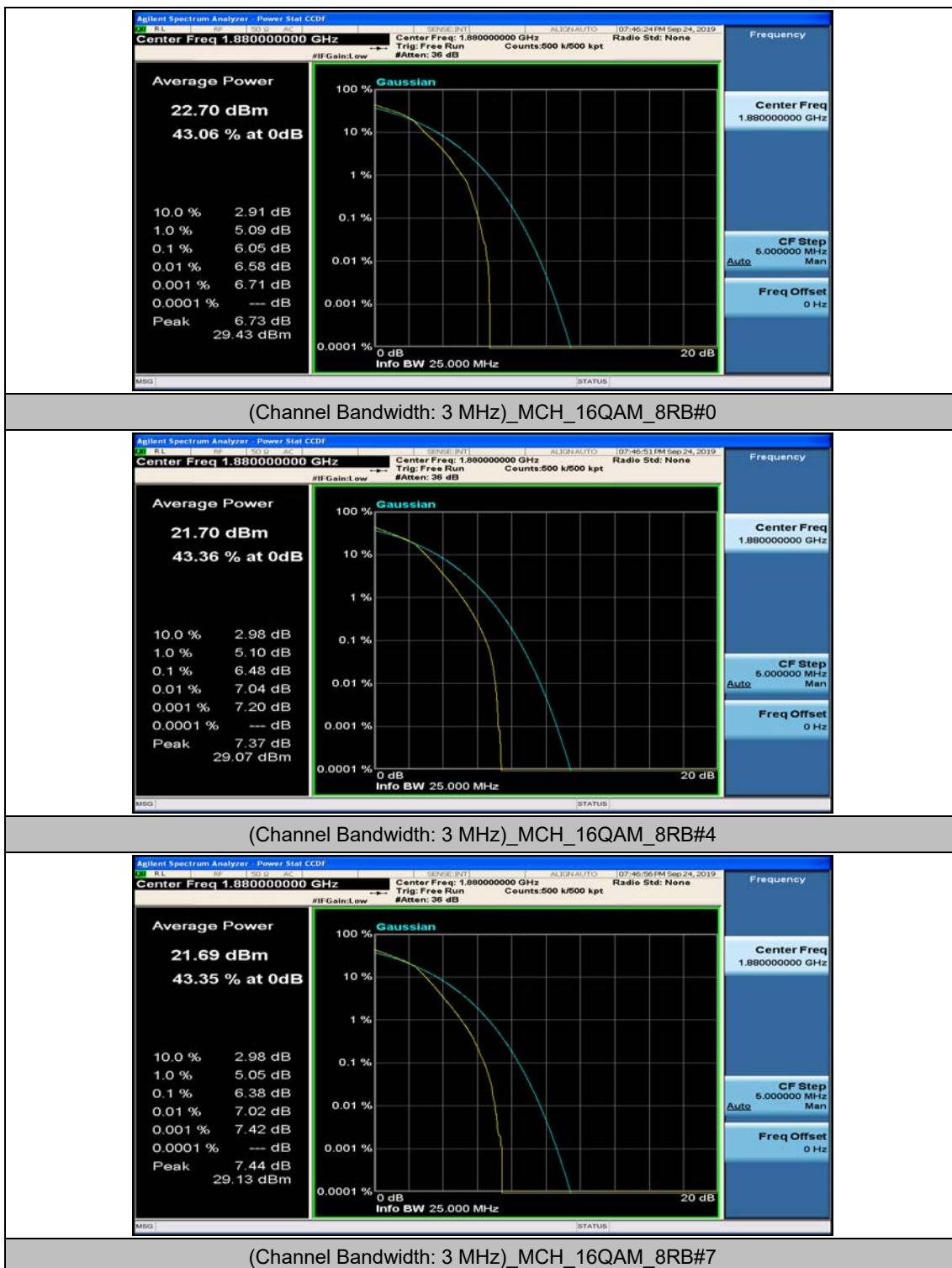


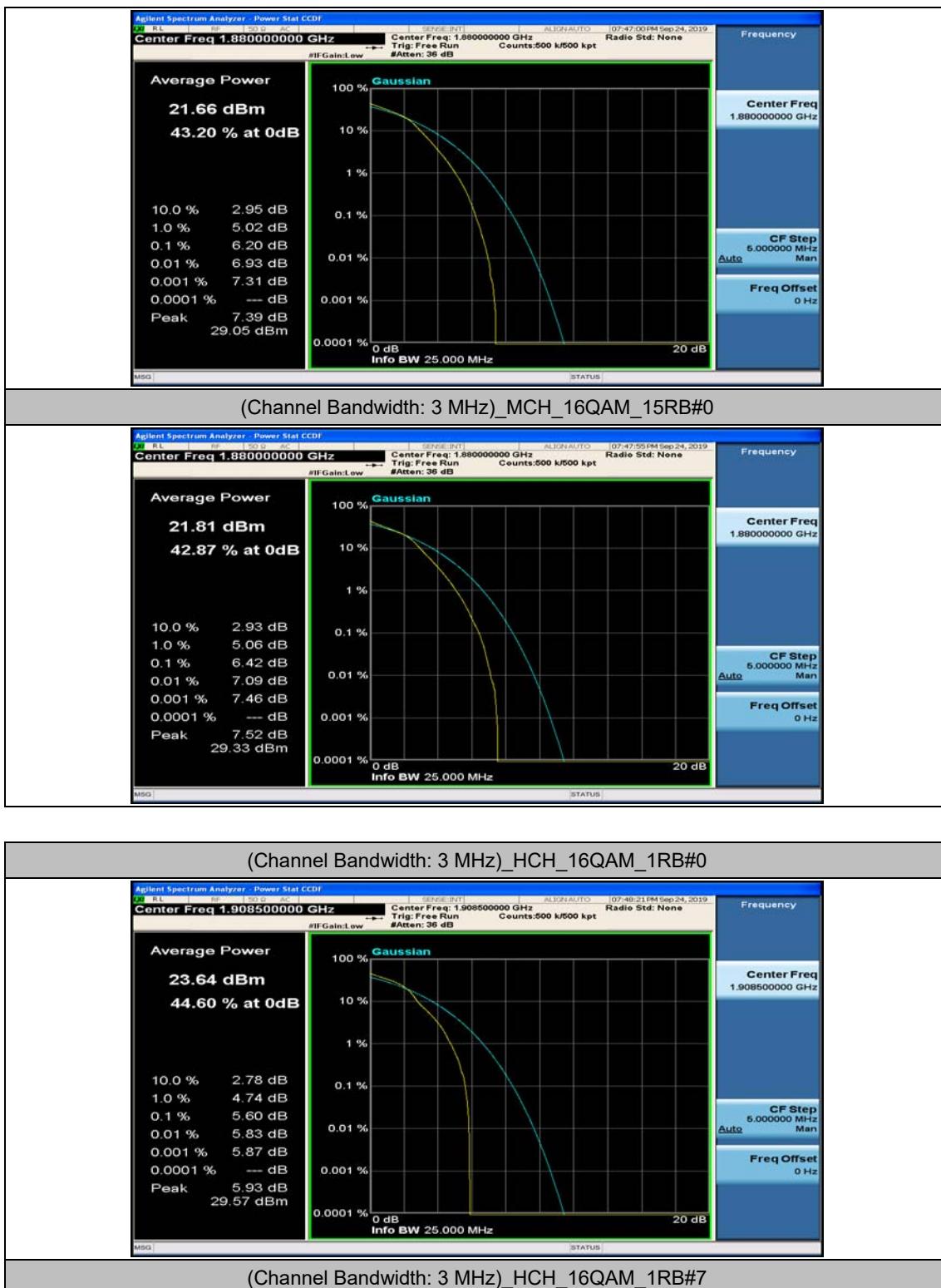


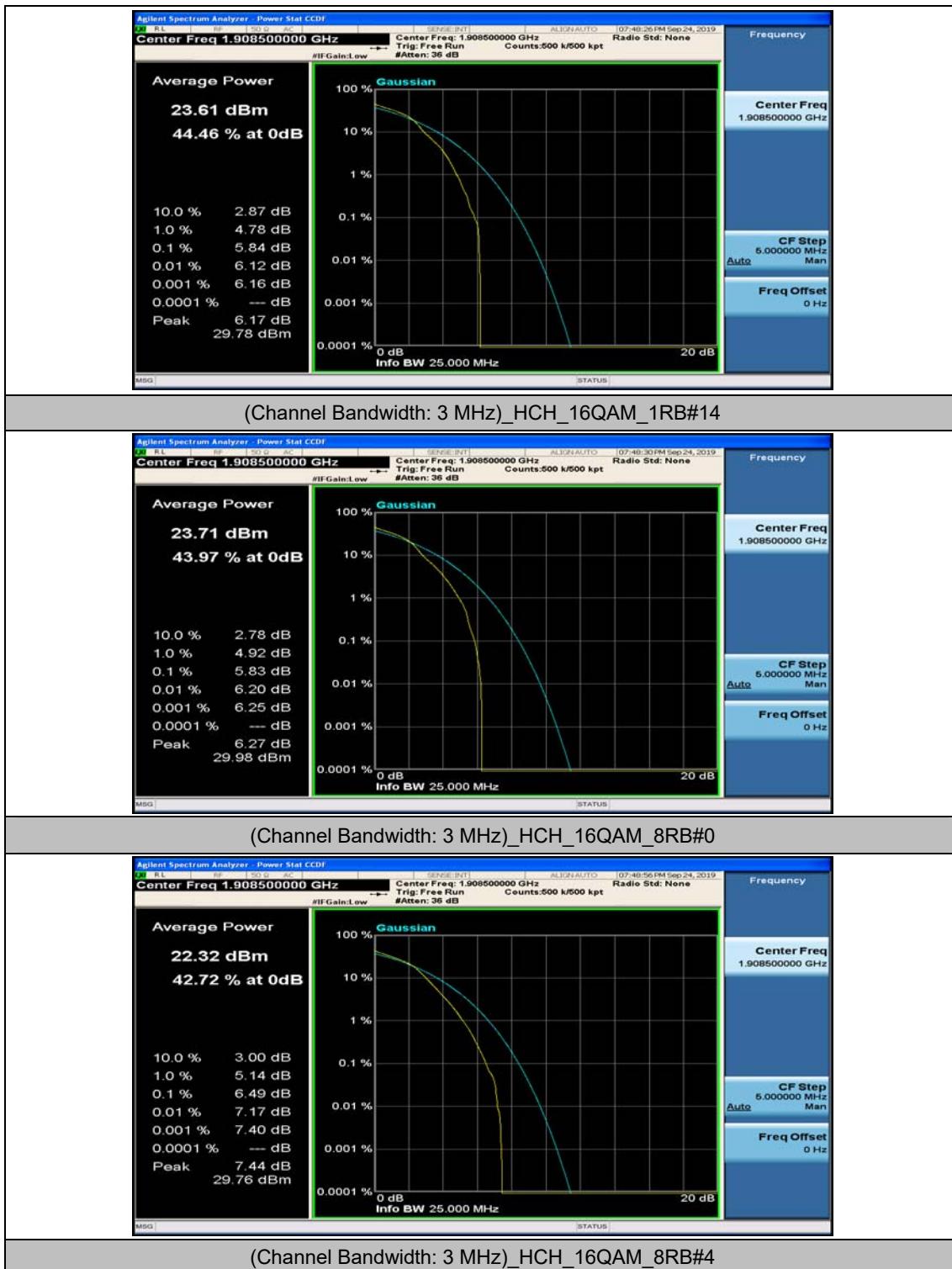


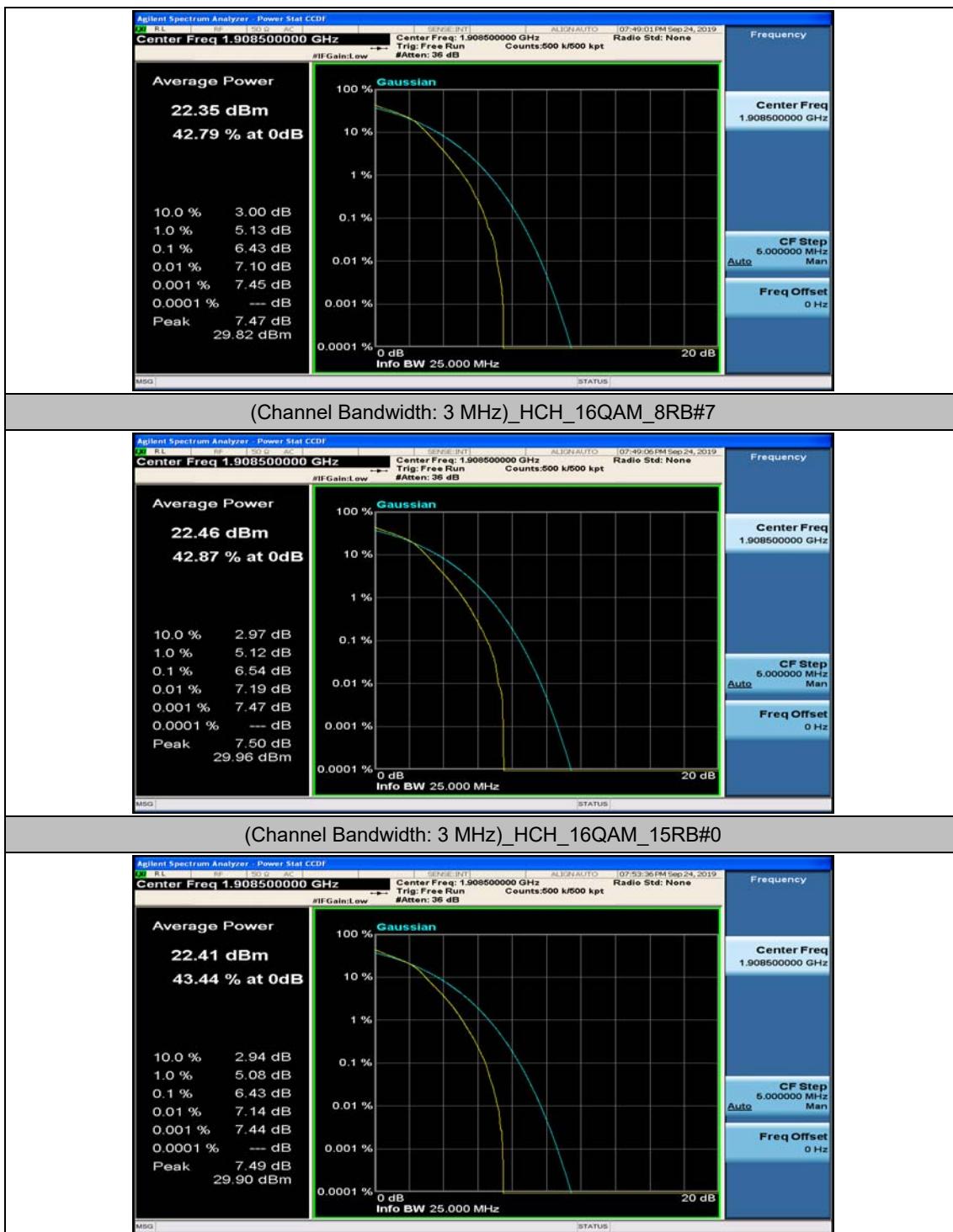


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



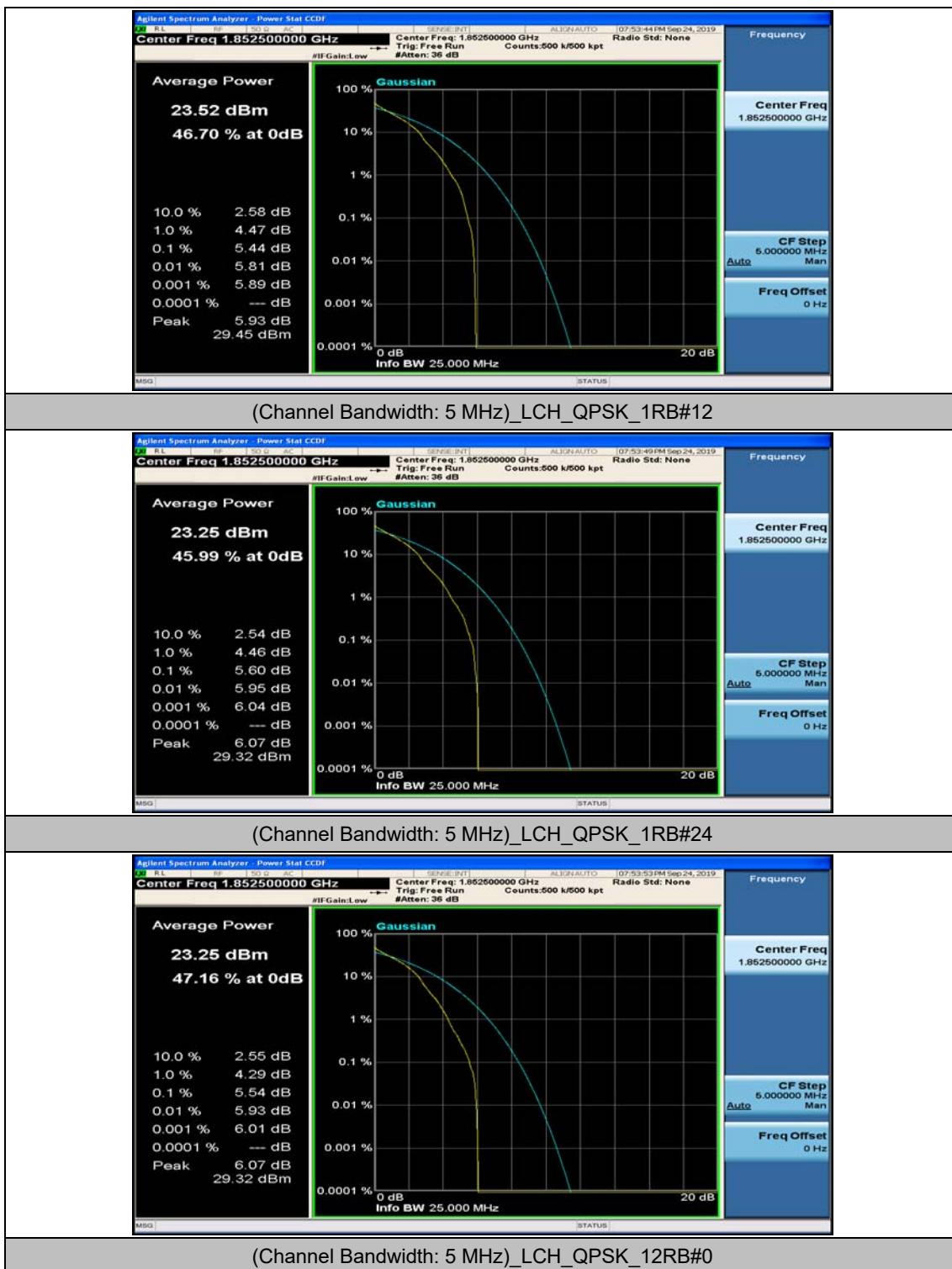


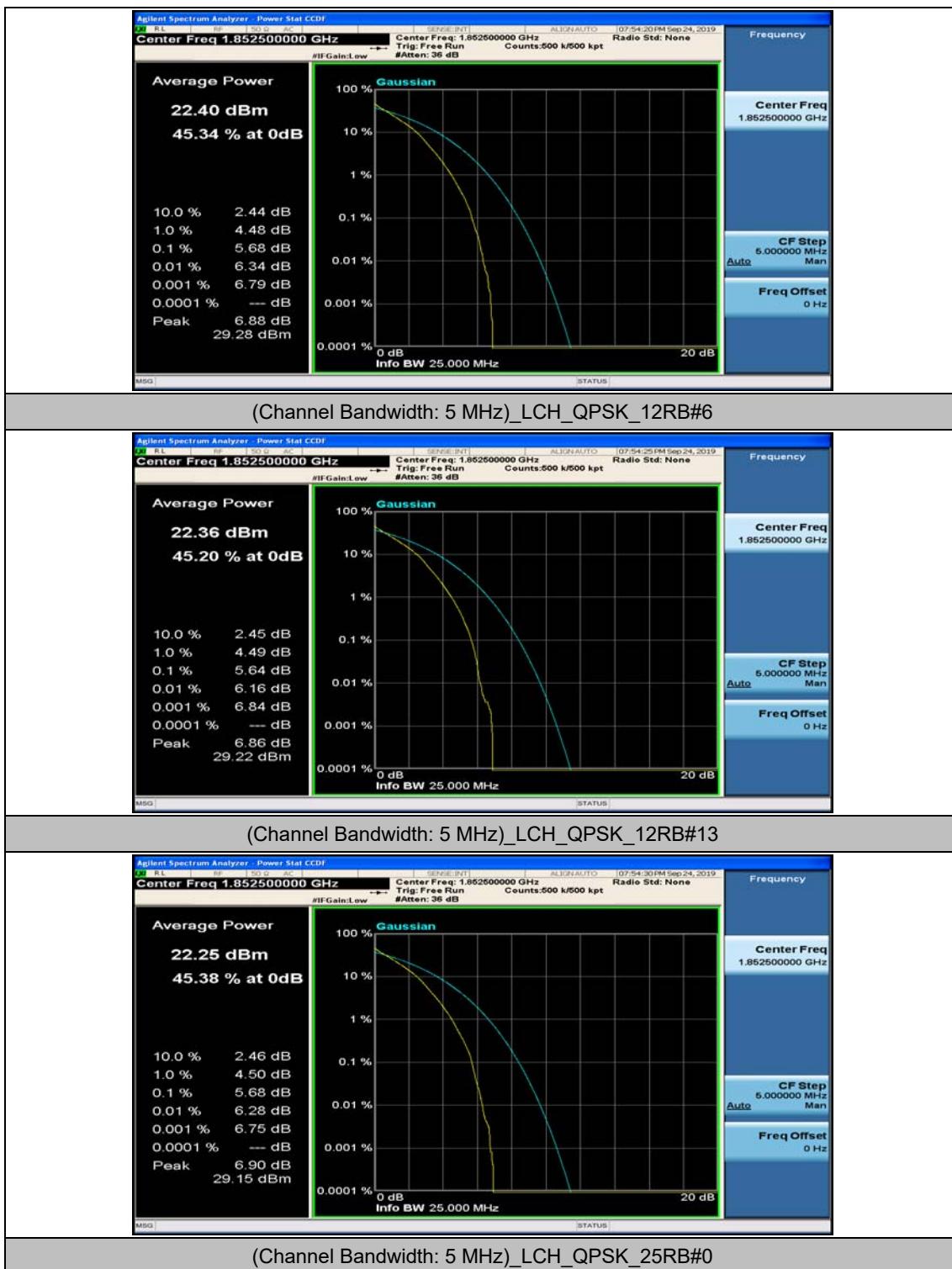


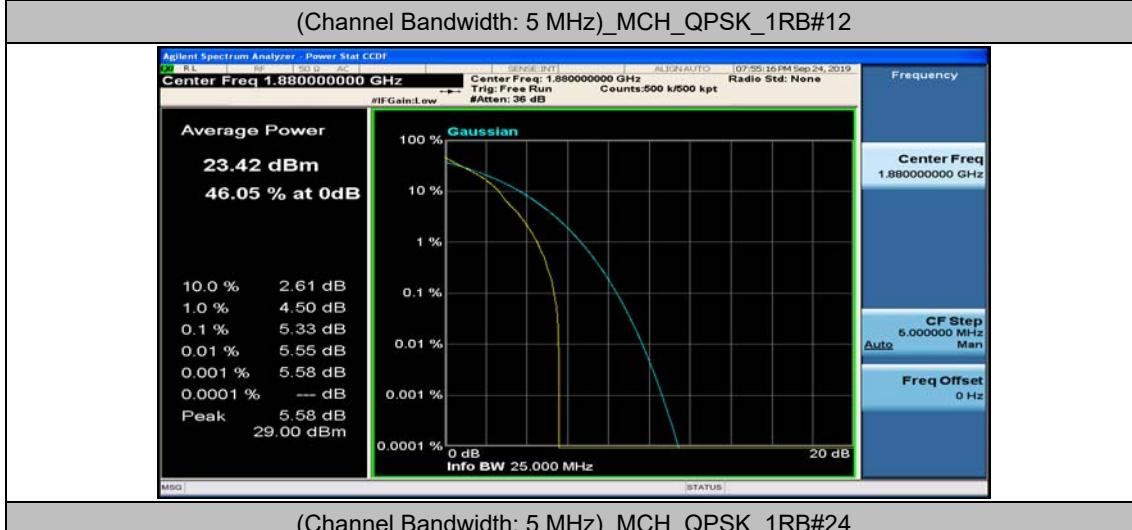
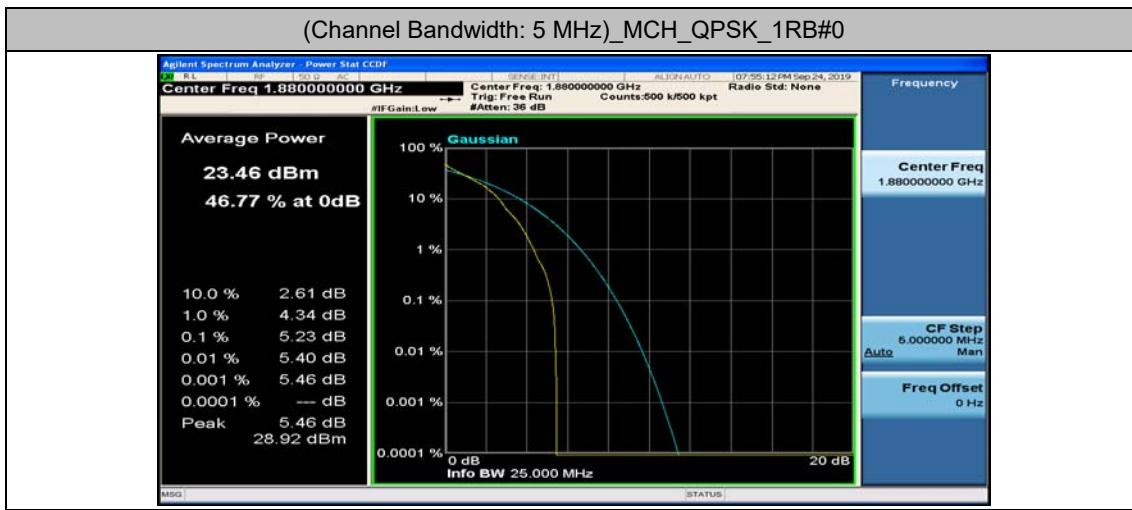
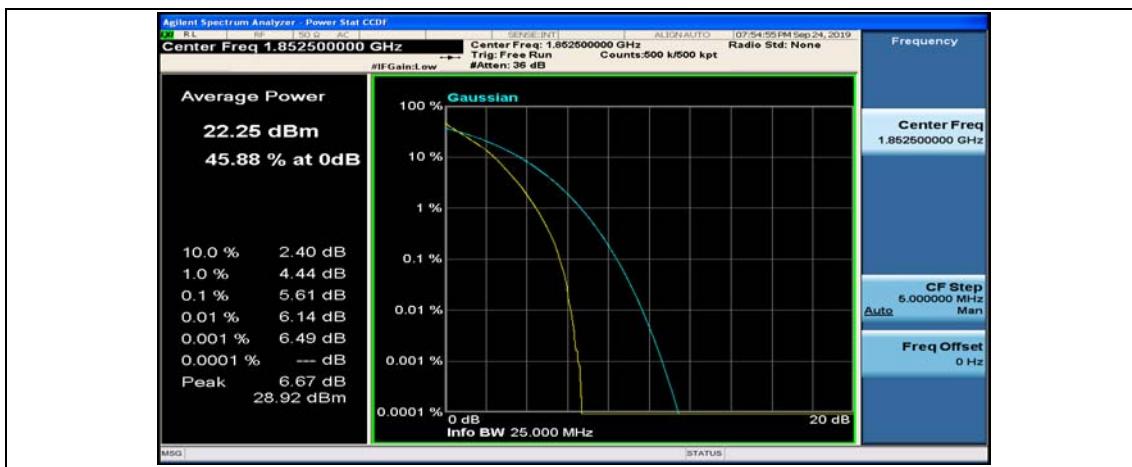


Channel Bandwidth: 5 MHz

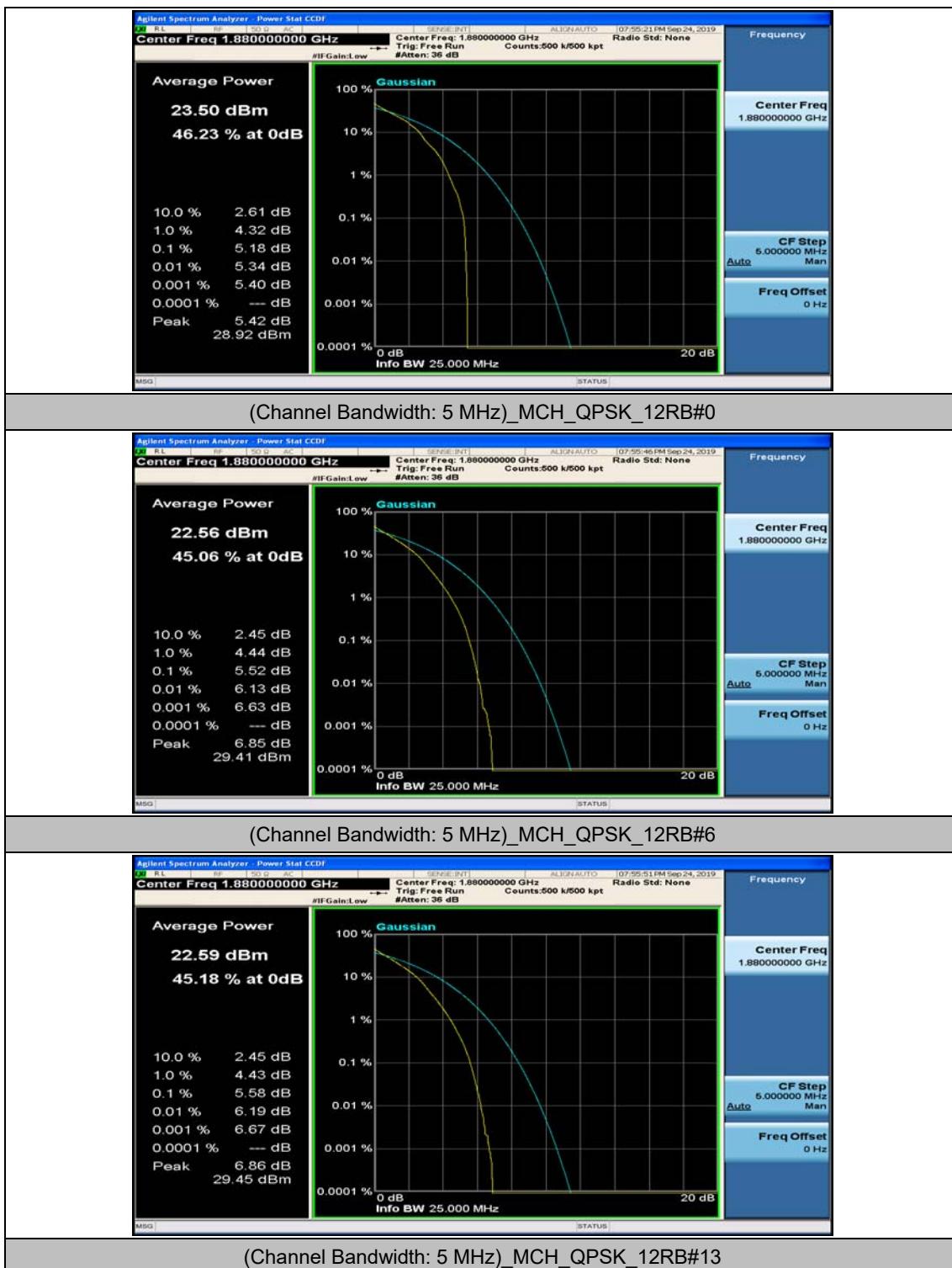
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

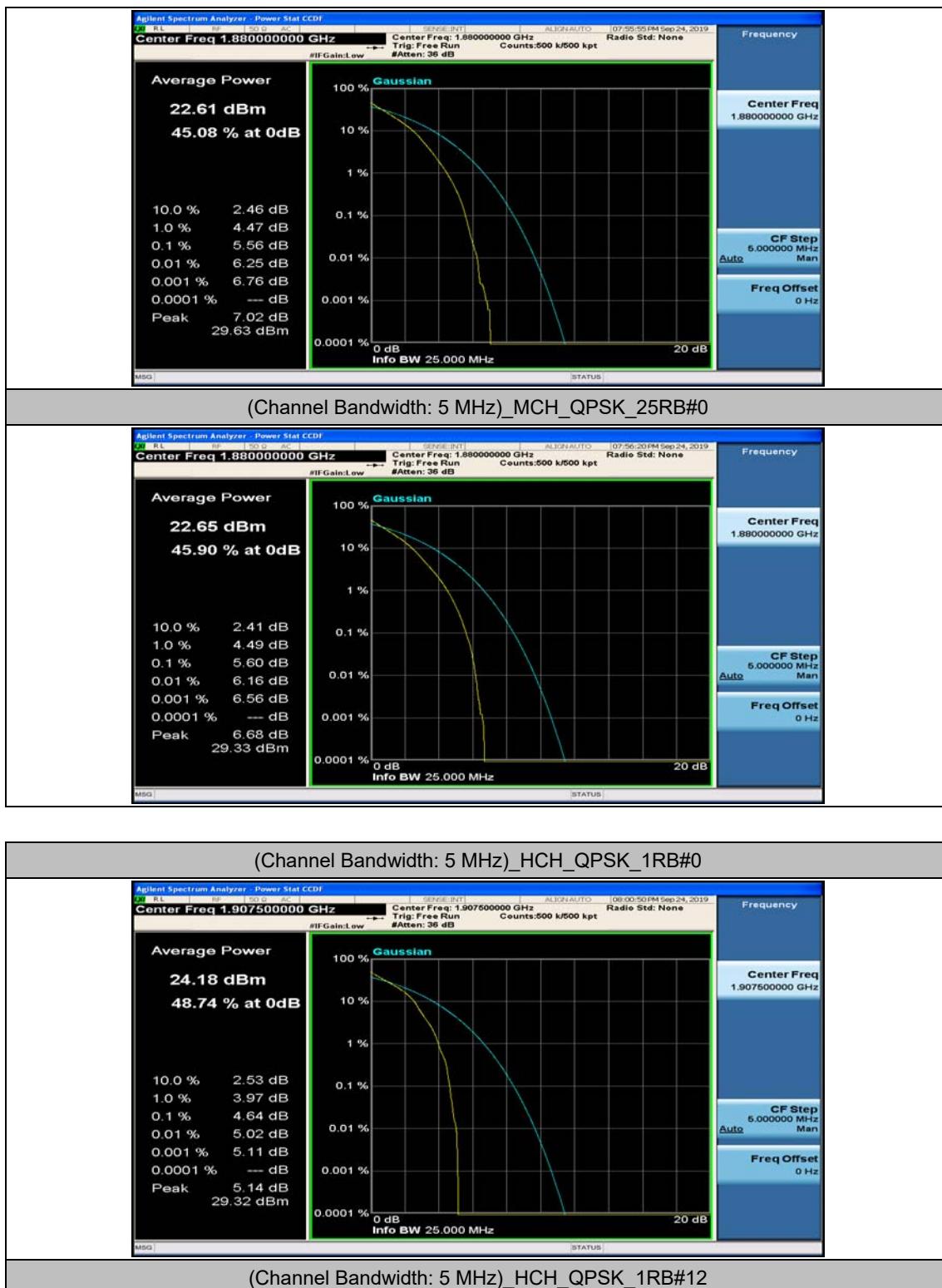


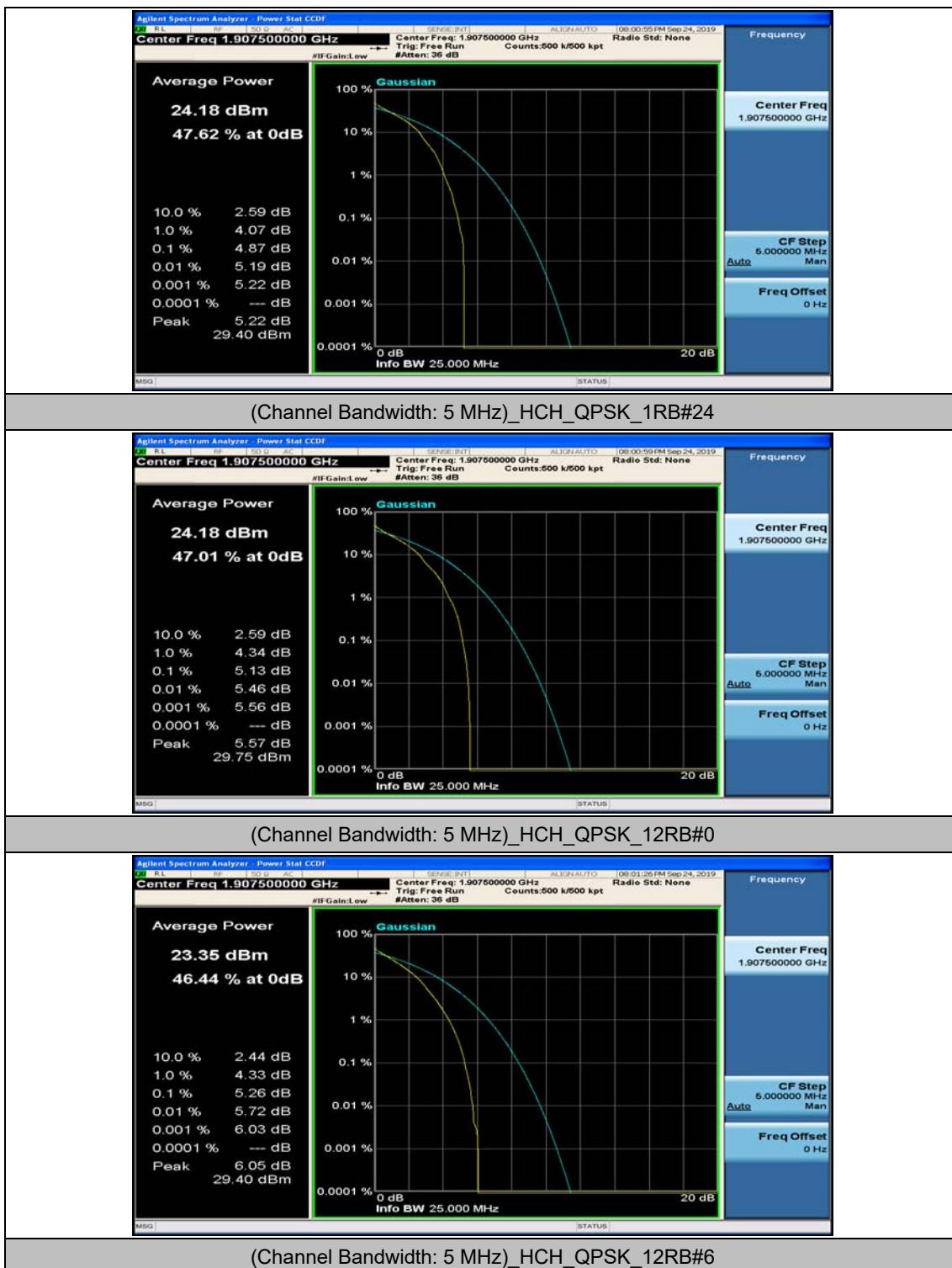


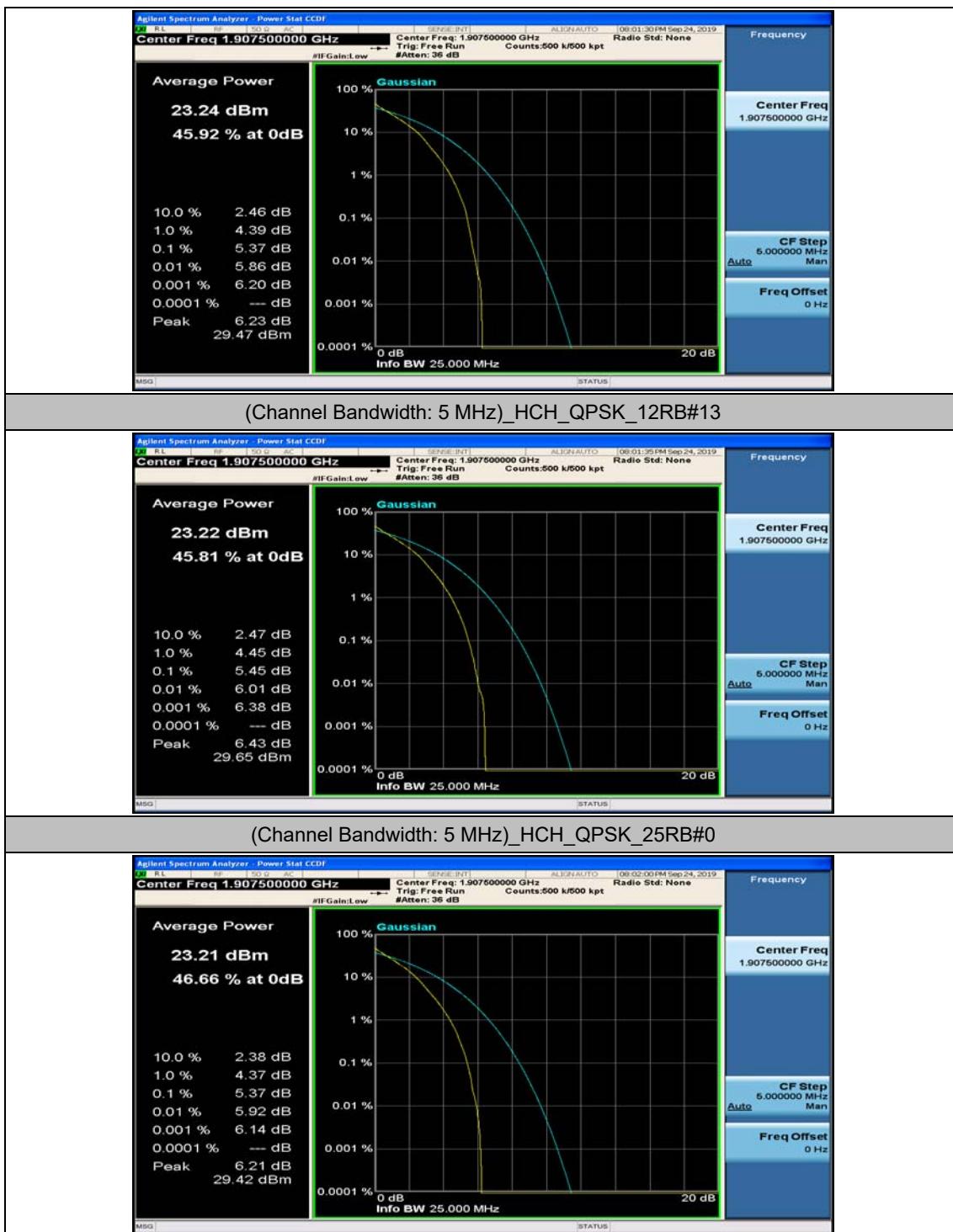


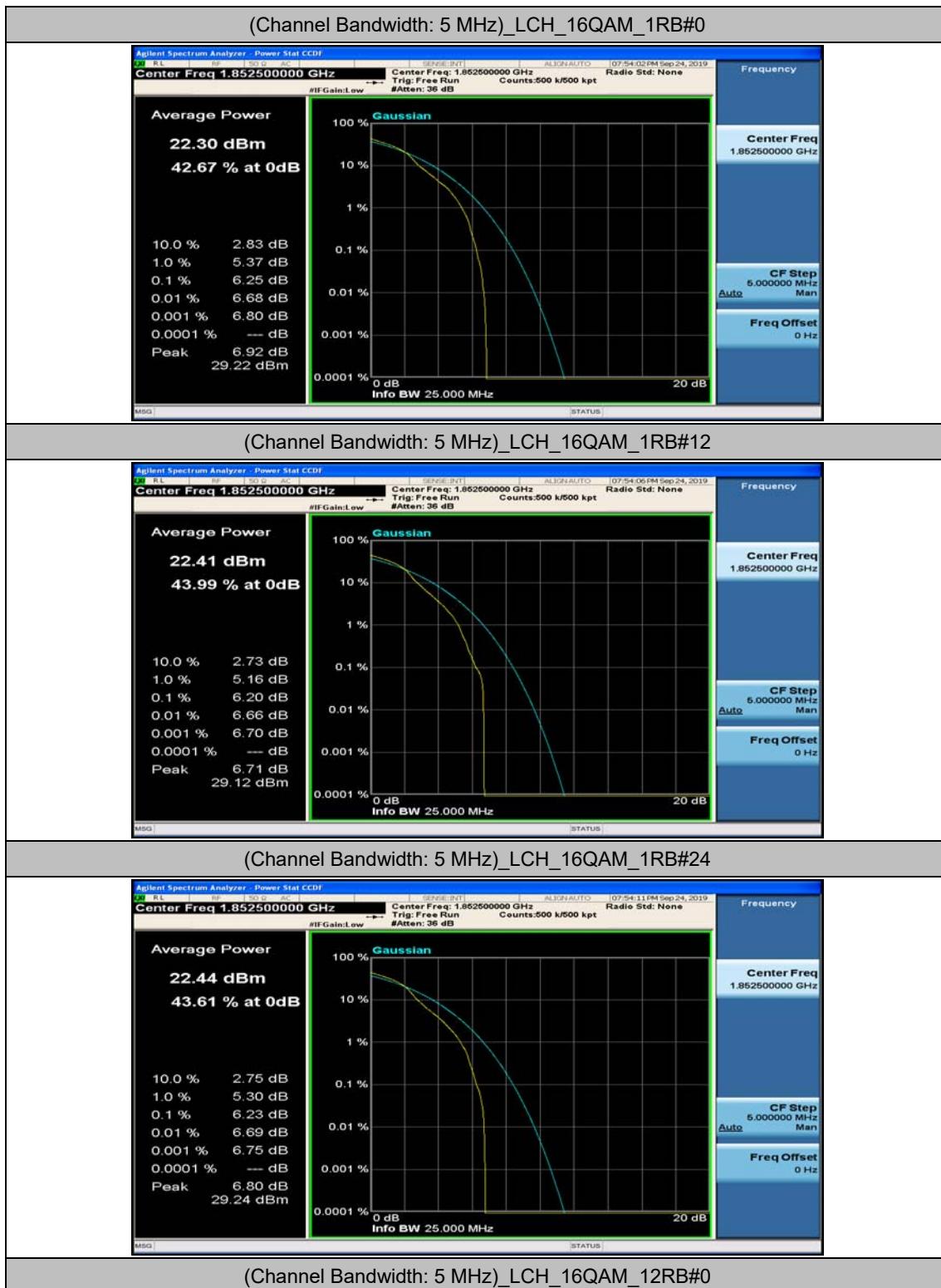
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

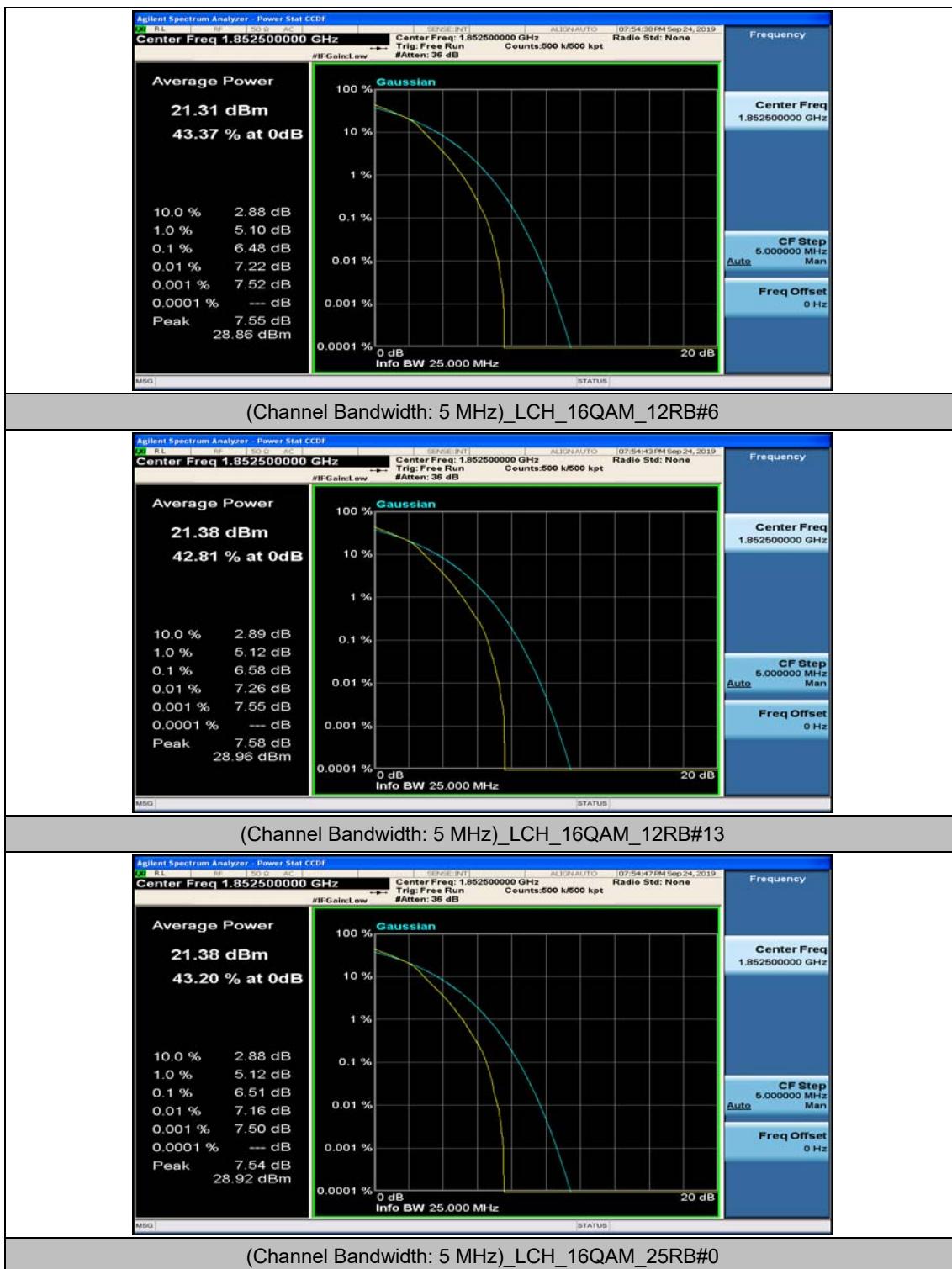


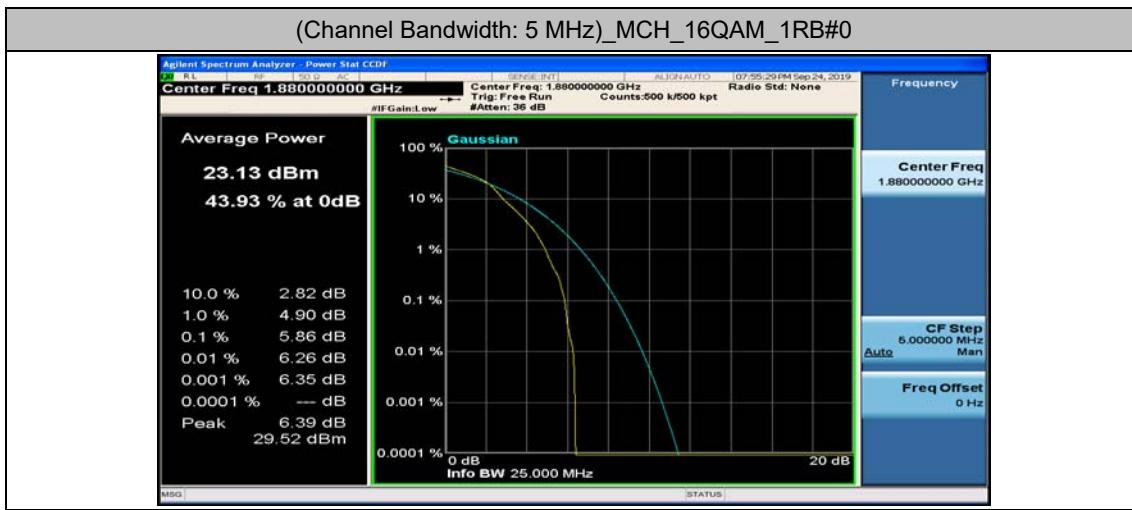




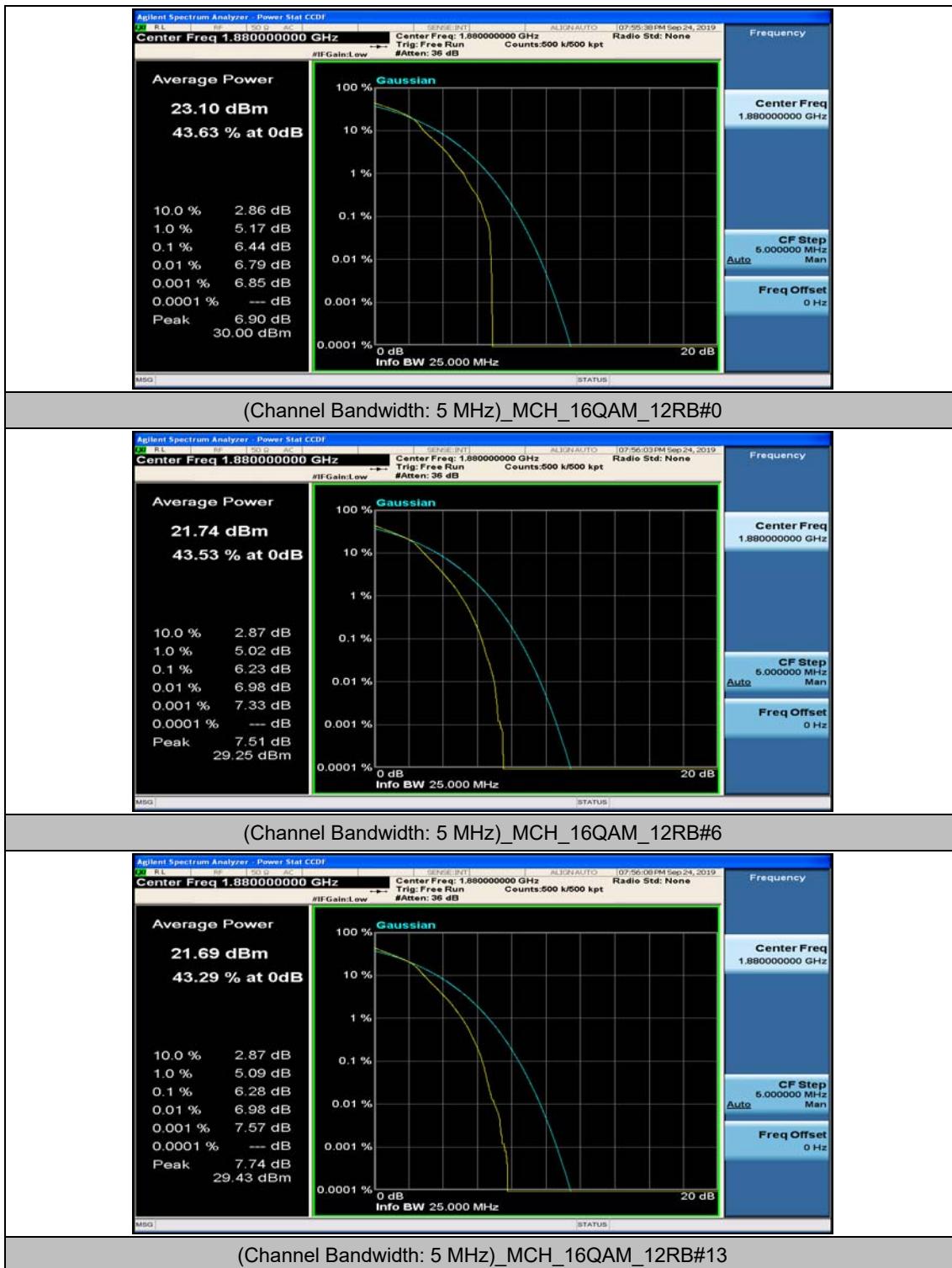


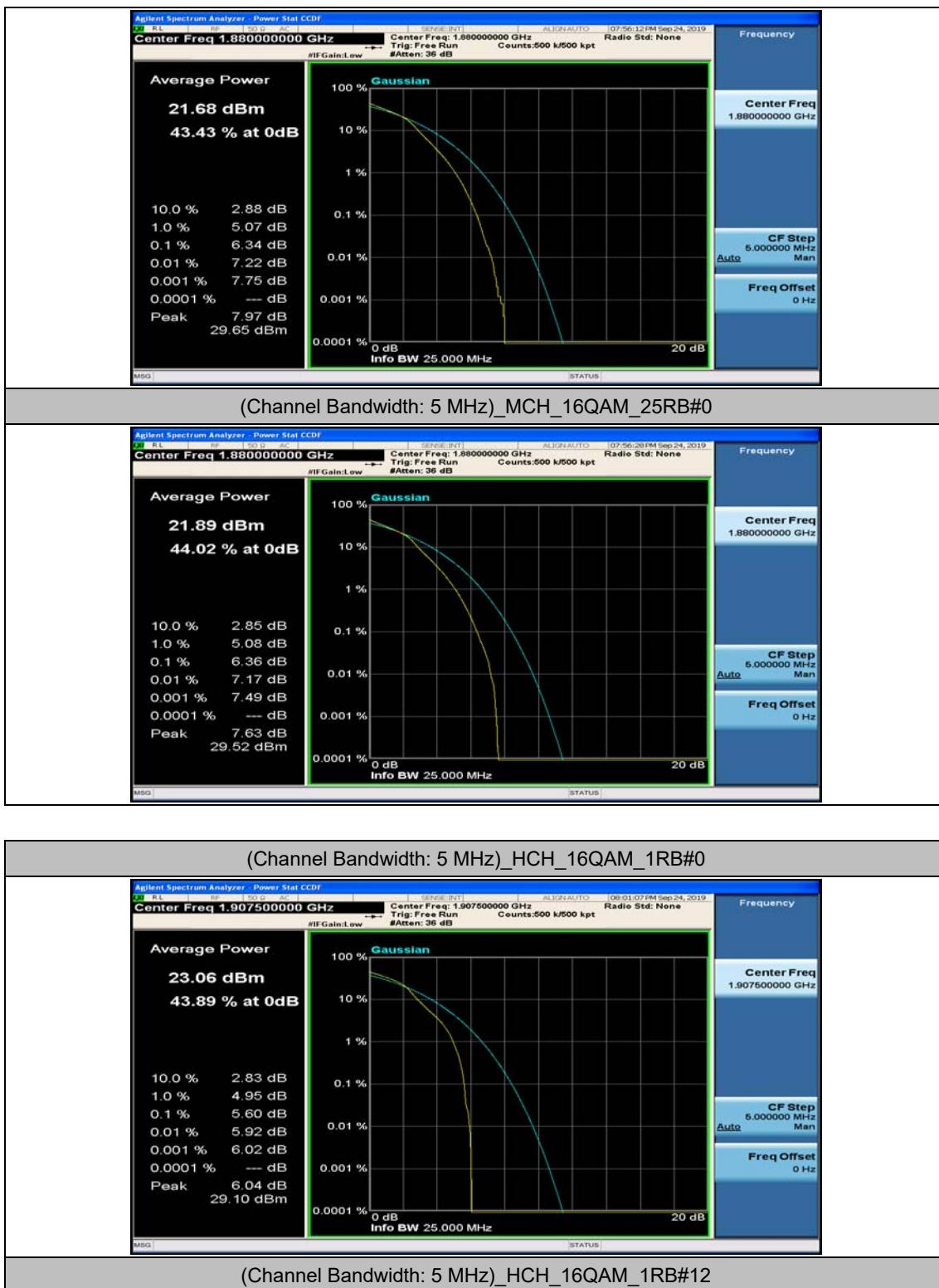


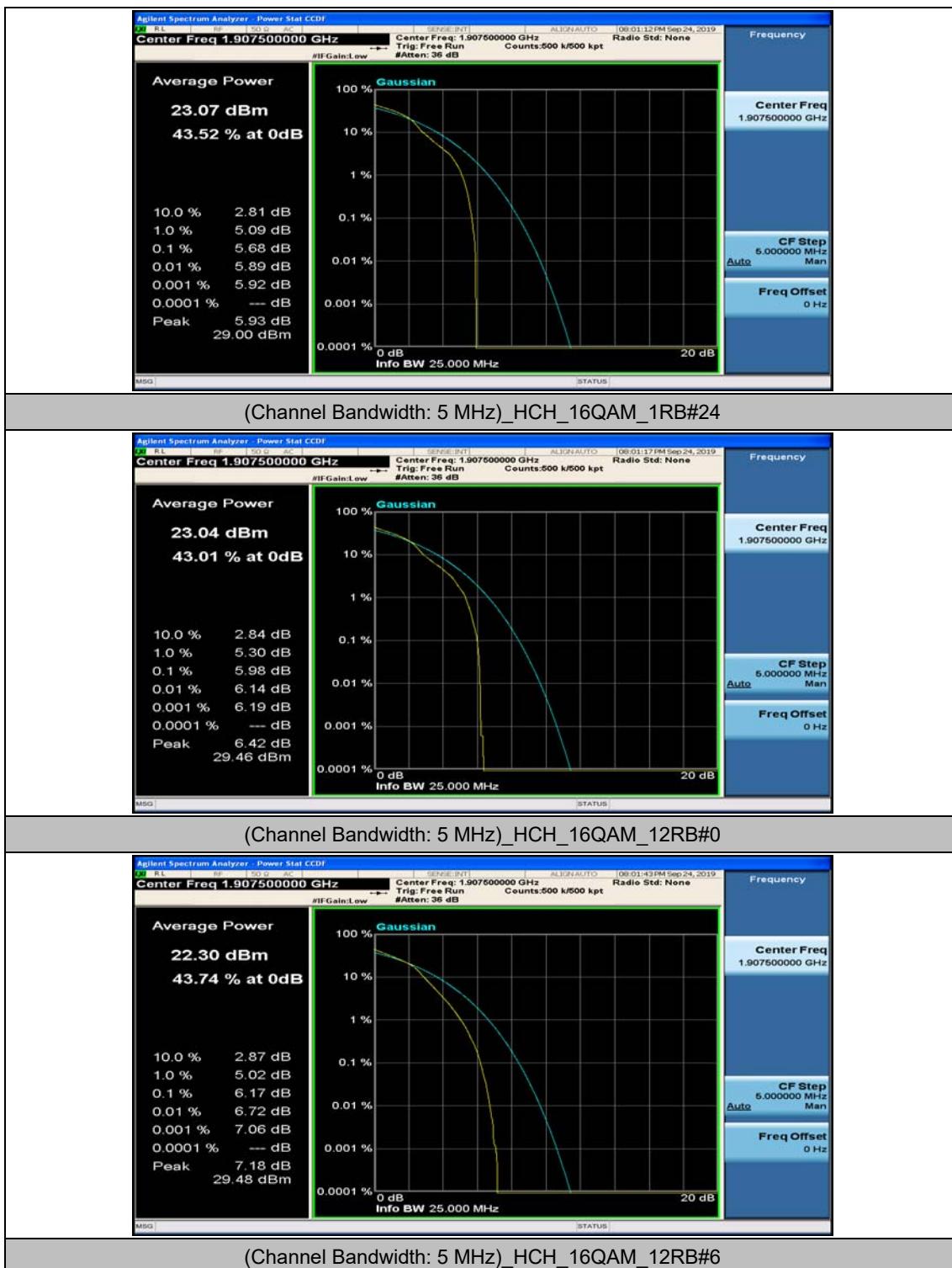


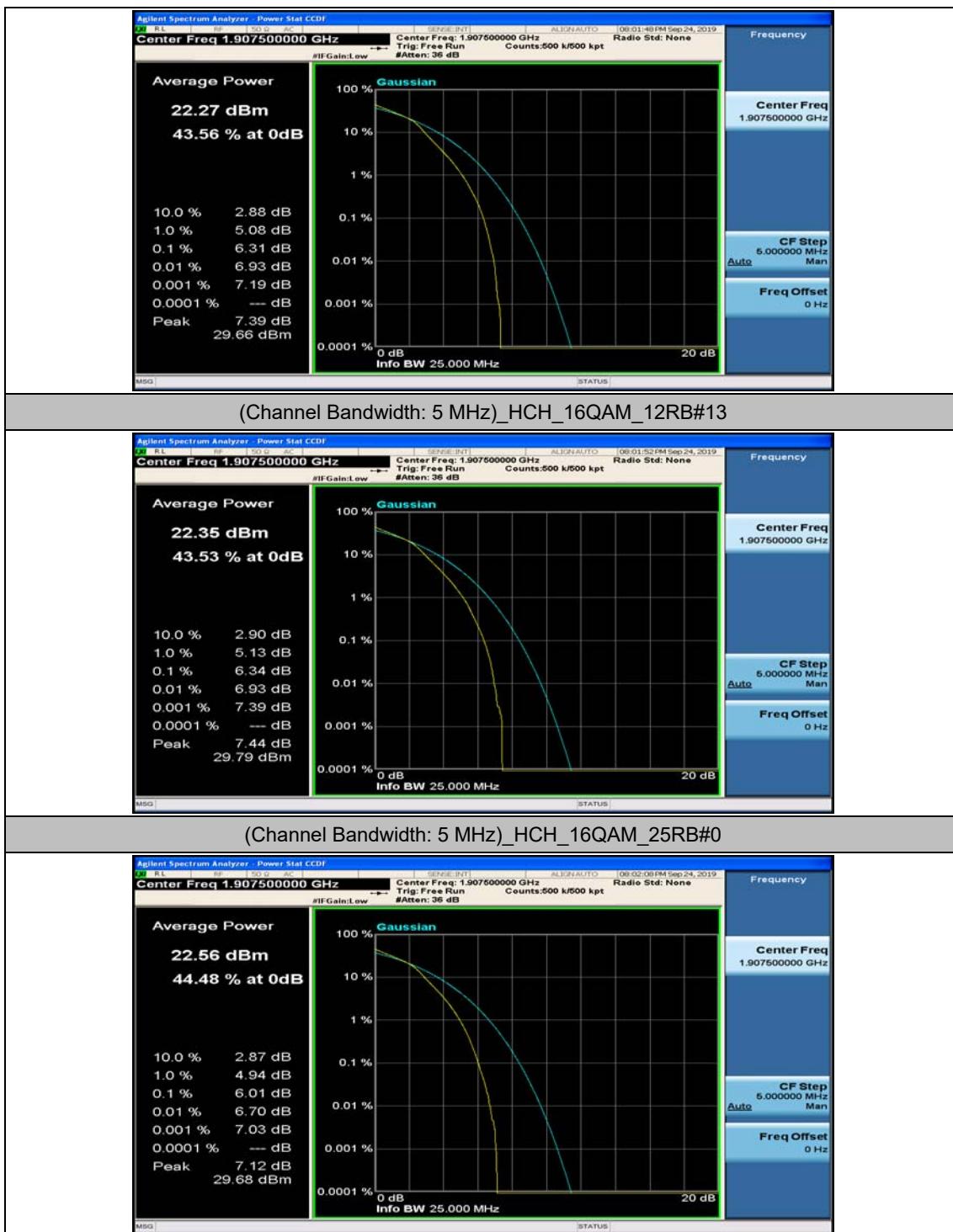


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24









Channel Bandwidth: 10 MHz

