

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	22.44	PASS
		1	3	22.50	PASS
		1	5	22.50	PASS
		3	0	22.39	PASS
		3	2	22.32	PASS
		3	3	22.36	PASS
		6	0	22.03	PASS
	MCH	1	0	22.30	PASS
		1	3	22.27	PASS
		1	5	22.30	PASS
		3	0	22.33	PASS
		3	2	22.35	PASS
		3	3	22.26	PASS
		6	0	21.79	PASS
16QAM	LCH	1	0	22.11	PASS
		1	3	22.11	PASS
		1	5	22.09	PASS
		3	0	22.14	PASS
		3	2	22.21	PASS
		3	3	22.14	PASS
		6	0	21.70	PASS
	MCH	1	0	22.47	PASS
		1	3	22.41	PASS
		1	5	22.45	PASS
		3	0	21.96	PASS
		3	2	21.91	PASS
		3	3	21.97	PASS
		6	0	21.03	PASS

		3	2	21.70	PASS
		3	3	21.68	PASS
		6	0	20.69	PASS
HCH	HCH	1	0	21.92	PASS
		1	3	21.92	PASS
		1	5	21.88	PASS
		3	0	21.59	PASS
		3	2	21.66	PASS
		3	3	21.59	PASS
		6	0	20.85	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.46	PASS
		1	7	22.46	PASS
		1	14	22.47	PASS
		8	0	21.99	PASS
		8	4	21.97	PASS
		8	7	21.99	PASS
		15	0	22.06	PASS
	MCH	1	0	22.21	PASS
		1	7	22.17	PASS
		1	14	22.14	PASS
		8	0	21.86	PASS
		8	4	21.83	PASS
		8	7	21.74	PASS
		15	0	21.78	PASS
	HCH	1	0	22.12	PASS
		1	7	22.11	PASS
		1	14	22.14	PASS
		8	0	21.62	PASS
		8	4	21.61	PASS
		8	7	21.58	PASS
		15	0	21.63	PASS
16QAM	LCH	1	0	22.13	PASS
		1	7	22.04	PASS
		1	14	22.12	PASS
		8	0	21.11	PASS
		8	4	21.15	PASS
		8	7	21.01	PASS
		15	0	21.21	PASS

	MCH	1	0	22.24	PASS
		1	7	22.25	PASS
		1	14	22.31	PASS
		8	0	20.94	PASS
		8	4	20.91	PASS
		8	7	20.83	PASS
		15	0	20.89	PASS
	HCH	1	0	22.46	PASS
		1	7	22.42	PASS
		1	14	22.38	PASS
		8	0	20.98	PASS
		8	4	20.98	PASS
		8	7	20.94	PASS
		15	0	20.80	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.55	PASS
		1	12	22.53	PASS
		1	24	22.53	PASS
		12	0	22.10	PASS
		12	6	22.10	PASS
		12	13	22.03	PASS
		25	0	22.04	PASS
	MCH	1	0	22.19	PASS
		1	12	22.25	PASS
		1	24	22.25	PASS
		12	0	21.72	PASS
		12	6	21.76	PASS
		12	13	21.73	PASS
		25	0	21.74	PASS
	HCH	1	0	22.26	PASS
		1	12	22.23	PASS
		1	24	22.27	PASS
		12	0	21.58	PASS
		12	6	21.55	PASS
		12	13	21.66	PASS
		25	0	21.69	PASS
16QAM	LCH	1	0	21.90	PASS
		1	12	21.97	PASS
		1	24	21.91	PASS

		12	0	21.19	PASS
		12	6	21.16	PASS
		12	13	21.15	PASS
		25	0	21.38	PASS
MCH	MCH	1	0	22.46	PASS
		1	12	22.42	PASS
		1	24	22.41	PASS
		12	0	21.01	PASS
		12	6	20.96	PASS
		12	13	20.85	PASS
		25	0	21.10	PASS
HCH	HCH	1	0	21.30	PASS
		1	12	21.33	PASS
		1	24	21.37	PASS
		12	0	20.67	PASS
		12	6	20.71	PASS
		12	13	20.66	PASS
		25	0	20.87	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.49	PASS
		1	24	22.37	PASS
		1	49	22.39	PASS
		25	0	21.92	PASS
		25	12	21.87	PASS
		25	25	21.99	PASS
		50	0	21.93	PASS
	MCH	1	0	22.25	PASS
		1	24	22.23	PASS
		1	49	22.15	PASS
		25	0	21.82	PASS
		25	12	21.72	PASS
		25	25	21.69	PASS
		50	0	21.75	PASS
	HCH	1	0	22.24	PASS
		1	24	22.22	PASS
		1	49	22.17	PASS
		25	0	21.68	PASS
		25	12	21.75	PASS
		25	25	21.54	PASS

		50	0	21.58	PASS
16QAM	LCH	1	0	22.06	PASS
		1	24	21.98	PASS
		1	49	21.99	PASS
		25	0	21.09	PASS
		25	12	21.16	PASS
		25	25	21.14	PASS
		50	0	21.14	PASS
	MCH	1	0	22.41	PASS
		1	24	22.45	PASS
		1	49	22.34	PASS
		25	0	20.90	PASS
		25	12	20.95	PASS
		25	25	20.97	PASS
		50	0	20.96	PASS
	HCH	1	0	21.86	PASS
		1	24	21.82	PASS
		1	49	21.87	PASS
		25	0	20.79	PASS
		25	12	20.73	PASS
		25	25	20.85	PASS
		50	0	20.80	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.54	PASS
		1	37	22.41	PASS
		1	74	22.35	PASS
		37	0	22.04	PASS
		37	18	22.03	PASS
		37	38	21.94	PASS
		75	0	22.01	PASS
	MCH	1	0	22.35	PASS
		1	37	22.31	PASS
		1	74	22.24	PASS
		37	0	21.83	PASS
		37	18	21.77	PASS
		37	38	21.72	PASS
		75	0	21.77	PASS
	HCH	1	0	22.31	PASS
		1	37	22.26	PASS

		1	74	22.19	PASS
		37	0	21.75	PASS
		37	18	21.75	PASS
		37	38	21.70	PASS
		75	0	21.72	PASS
16QAM	LCH	1	0	22.07	PASS
		1	37	22.02	PASS
		1	74	21.95	PASS
		37	0	21.18	PASS
		37	18	21.13	PASS
		37	38	21.13	PASS
		75	0	21.12	PASS
	MCH	1	0	22.49	PASS
		1	37	22.48	PASS
		1	74	22.47	PASS
		37	0	21.05	PASS
		37	18	21.01	PASS
		37	38	21.02	PASS
		75	0	20.96	PASS
	HCH	1	0	21.92	PASS
		1	37	21.87	PASS
		1	74	21.85	PASS
		37	0	20.85	PASS
		37	18	20.86	PASS
		37	38	20.77	PASS
		75	0	20.85	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.15	PASS
		1	49	23.06	PASS
		1	99	23.01	PASS
		50	0	22.44	PASS
		50	25	21.96	PASS
		50	50	21.89	PASS
		100	0	22.02	PASS
	MCH	1	0	22.92	PASS
		1	49	22.84	PASS
		1	99	22.72	PASS
		50	0	21.94	PASS
		50	25	21.79	PASS

		50	50	21.79	PASS
		100	0	21.75	PASS
	HCH	1	0	22.94	PASS
		1	49	22.82	PASS
		1	99	22.81	PASS
		50	0	21.73	PASS
		50	25	21.61	PASS
16QAM	LCH	50	50	21.70	PASS
		100	0	21.65	PASS
	MCH	1	0	21.84	PASS
		1	49	21.73	PASS
		1	99	21.61	PASS
		50	0	21.15	PASS
		50	25	21.11	PASS
	HCH	50	50	21.04	PASS
		100	0	21.10	PASS
	HCH	1	0	21.60	PASS
		1	49	21.47	PASS
		1	99	21.45	PASS
		50	0	21.02	PASS
		50	25	20.92	PASS
	MCH	50	50	20.88	PASS
		100	0	20.98	PASS
	HCH	1	0	21.93	PASS
		1	49	21.94	PASS
		1	99	21.96	PASS
		50	0	20.88	PASS
		50	25	20.84	PASS
	LCH	50	50	20.84	PASS
		100	0	20.81	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	4.84	<13	PASS
		1	3	4.90	<13	PASS
		1	5	4.90	<13	PASS
		3	0	5.14	<13	PASS
		3	2	5.04	<13	PASS
		3	3	5.10	<13	PASS
		6	0	5.26	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	3	5.24	<13	PASS
		1	5	5.32	<13	PASS
		3	0	5.20	<13	PASS
		3	2	5.22	<13	PASS
		3	3	5.31	<13	PASS
		6	0	5.41	<13	PASS
16QAM	LCH	1	0	4.86	<13	PASS
		1	3	4.79	<13	PASS
		1	5	4.76	<13	PASS
		3	0	4.94	<13	PASS
		3	2	4.91	<13	PASS
		3	3	4.88	<13	PASS
		6	0	4.93	<13	PASS
	MCH	1	0	5.59	<13	PASS
		1	3	5.68	<13	PASS
		1	5	5.62	<13	PASS
		3	0	6.06	<13	PASS
		3	2	5.96	<13	PASS
		3	3	6.06	<13	PASS
		6	0	6.21	<13	PASS

		3	3	6.16	<13	PASS
		6	0	6.44	<13	PASS
HCH		1	0	5.48	<13	PASS
		1	3	5.52	<13	PASS
		1	5	5.35	<13	PASS
		3	0	5.60	<13	PASS
		3	2	5.43	<13	PASS
		3	3	5.47	<13	PASS
		6	0	5.95	<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	5.16	<13	PASS
		1	7	5.28	<13	PASS
		1	14	5.05	<13	PASS
		8	0	5.44	<13	PASS
		8	4	5.46	<13	PASS
		8	7	5.42	<13	PASS
		15	0	5.38	<13	PASS
	MCH	1	0	4.98	<13	PASS
		1	7	4.99	<13	PASS
		1	14	4.87	<13	PASS
		8	0	5.44	<13	PASS
		8	4	5.43	<13	PASS
		8	7	5.40	<13	PASS
		15	0	5.43	<13	PASS
	HCH	1	0	5.02	<13	PASS
		1	7	4.82	<13	PASS
		1	14	4.64	<13	PASS
		8	0	5.19	<13	PASS
		8	4	5.14	<13	PASS
		8	7	5.08	<13	PASS
		15	0	5.04	<13	PASS
16QAM	LCH	1	0	5.43	<13	PASS
		1	7	5.47	<13	PASS
		1	14	5.54	<13	PASS
		8	0	6.12	<13	PASS
		8	4	6.18	<13	PASS
		8	7	6.11	<13	PASS

		15	0	6.30	<13	PASS
MCH	1	0	5.71	<13	PASS	
	1	7	5.79	<13	PASS	
	1	14	5.76	<13	PASS	
	8	0	6.15	<13	PASS	
	8	4	6.18	<13	PASS	
	8	7	6.15	<13	PASS	
	15	0	6.02	<13	PASS	
HCH	1	0	5.27	<13	PASS	
	1	7	5.13	<13	PASS	
	1	14	4.98	<13	PASS	
	8	0	5.95	<13	PASS	
	8	4	5.89	<13	PASS	
	8	7	5.94	<13	PASS	
	15	0	5.79	<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	5.45	<13	PASS
		1	12	5.45	<13	PASS
		1	24	5.54	<13	PASS
		12	0	5.36	<13	PASS
		12	6	5.41	<13	PASS
		12	13	5.40	<13	PASS
		25	0	5.39	<13	PASS
QPSK	MCH	1	0	5.17	<13	PASS
		1	12	5.28	<13	PASS
		1	24	5.3	<13	PASS
		12	0	5.27	<13	PASS
		12	6	5.3	<13	PASS
		12	13	5.35	<13	PASS
		25	0	5.34	<13	PASS
QPSK	HCH	1	0	4.91	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.57	<13	PASS
		12	0	5.08	<13	PASS
		12	6	5.11	<13	PASS
		12	13	4.97	<13	PASS
		25	0	5.15	<13	PASS

16QAM	LCH	1	0	5.89	<13	PASS
		1	12	6.36	<13	PASS
		1	24	6.32	<13	PASS
		12	0	6.21	<13	PASS
		12	6	6.35	<13	PASS
		12	13	6.3	<13	PASS
		25	0	6.11	<13	PASS
	MCH	1	0	5.72	<13	PASS
		1	12	5.91	<13	PASS
		1	24	5.7	<13	PASS
		12	0	6.07	<13	PASS
		12	6	6.17	<13	PASS
		12	13	6.17	<13	PASS
		25	0	6.17	<13	PASS
	HCH	1	0	5.77	<13	PASS
		1	12	5.32	<13	PASS
		1	24	5.67	<13	PASS
		12	0	6.15	<13	PASS
		12	6	5.97	<13	PASS
		12	13	5.87	<13	PASS
		25	0	5.86	<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	5.23	<13	PASS
		1	24	5.1	<13	PASS
		1	49	5.02	<13	PASS
		25	0	5.46	<13	PASS
		25	12	5.39	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.42	<13	PASS
	MCH	1	0	4.73	<13	PASS
		1	24	4.81	<13	PASS
		1	49	4.9	<13	PASS
		25	0	5.31	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.39	<13	PASS
		50	0	5.42	<13	PASS
	HCH	1	0	4.92	<13	PASS

		1	24	4.87	<13	PASS
		1	49	4.7	<13	PASS
		25	0	5.16	<13	PASS
		25	12	5.17	<13	PASS
		25	25	5.1	<13	PASS
		50	0	5.17	<13	PASS
16QAM	LCH	1	0	5.53	<13	PASS
		1	24	5.53	<13	PASS
		1	49	5.59	<13	PASS
		25	0	6.26	<13	PASS
		25	12	6.25	<13	PASS
		25	25	6.26	<13	PASS
		50	0	6.18	<13	PASS
	MCH	1	0	5.51	<13	PASS
		1	24	5.52	<13	PASS
		1	49	5.69	<13	PASS
		25	0	6.21	<13	PASS
		25	12	6.18	<13	PASS
		25	25	6.28	<13	PASS
		50	0	6.16	<13	PASS
	HCH	1	0	5.47	<13	PASS
		1	24	5.79	<13	PASS
		1	49	5.46	<13	PASS
		25	0	6.07	<13	PASS
		25	12	6.08	<13	PASS
		25	25	5.98	<13	PASS
		50	0	6	<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	5.24	<13	PASS
		1	37	5.08	<13	PASS
		1	74	5.09	<13	PASS
		37	0	5.39	<13	PASS
		37	18	5.4	<13	PASS
		37	38	5.29	<13	PASS
		75	0	5.67	<13	PASS
	MCH	1	0	5.15	<13	PASS
		1	37	5.02	<13	PASS

16QAM		1	74	5.13	<13	PASS
		37	0	5.38	<13	PASS
		37	18	5.38	<13	PASS
		37	38	5.39	<13	PASS
		75	0	5.72	<13	PASS
	HCH	1	0	4.82	<13	PASS
		1	37	4.91	<13	PASS
		1	74	4.6	<13	PASS
		37	0	5.2	<13	PASS
		37	18	5.17	<13	PASS
		37	38	5.17	<13	PASS
		75	0	5.53	<13	PASS
	LCH	1	0	5.56	<13	PASS
		1	37	5.69	<13	PASS
		1	74	5.27	<13	PASS
		37	0	6.18	<13	PASS
		37	18	6.17	<13	PASS
		37	38	6.1	<13	PASS
		75	0	6.25	<13	PASS
	MCH	1	0	5.33	<13	PASS
		1	37	5.61	<13	PASS
		1	74	5.67	<13	PASS
		37	0	6.2	<13	PASS
		37	18	6.23	<13	PASS
		37	38	6.21	<13	PASS
		75	0	6.22	<13	PASS
	HCH	1	0	5.67	<13	PASS
		1	37	5.48	<13	PASS
		1	74	5.35	<13	PASS
		37	0	6.02	<13	PASS
		37	18	5.95	<13	PASS
		37	38	5.93	<13	PASS
		75	0	6.06	<13	PASS

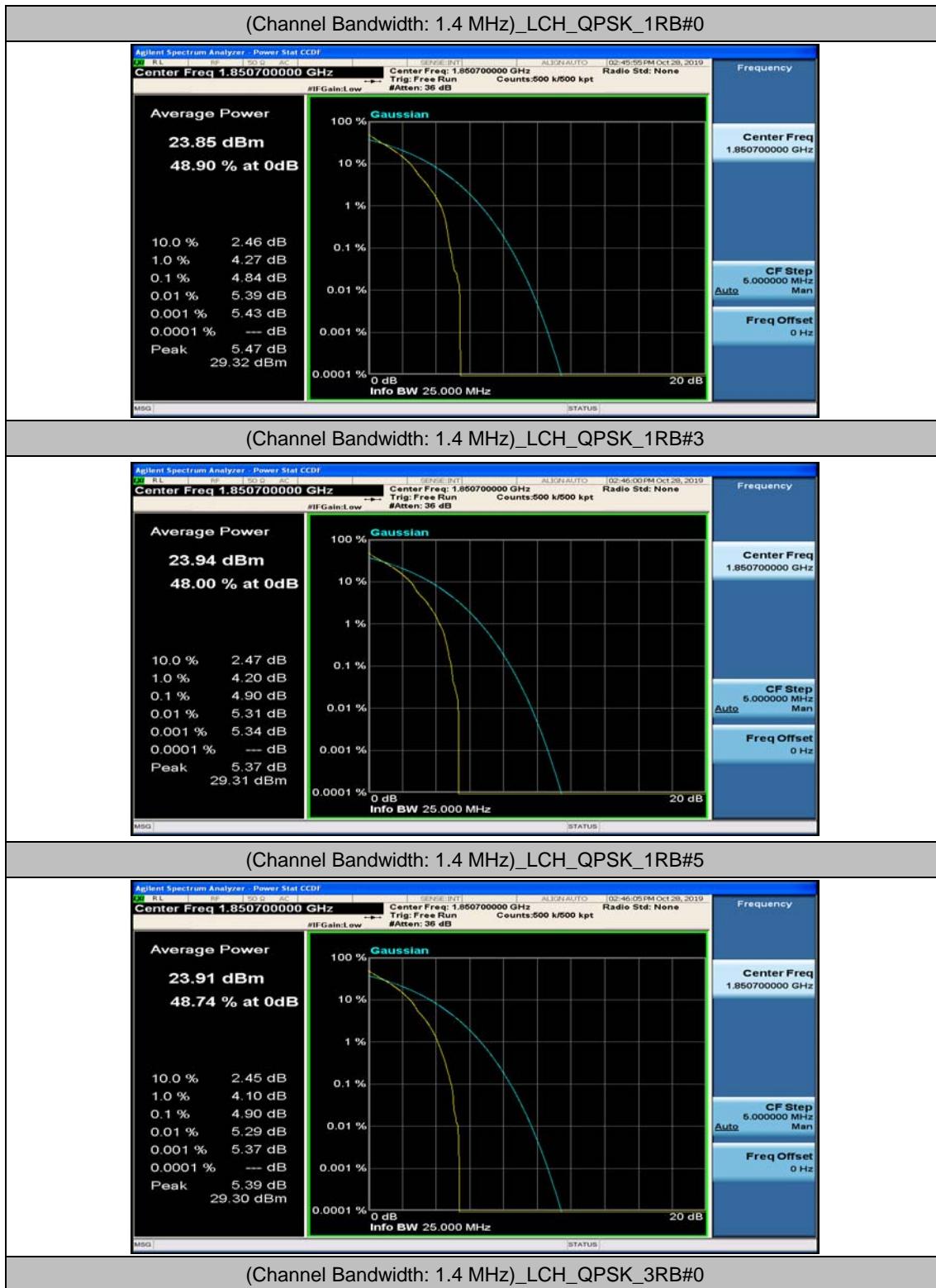
Channel Bandwidth: 20 MHz

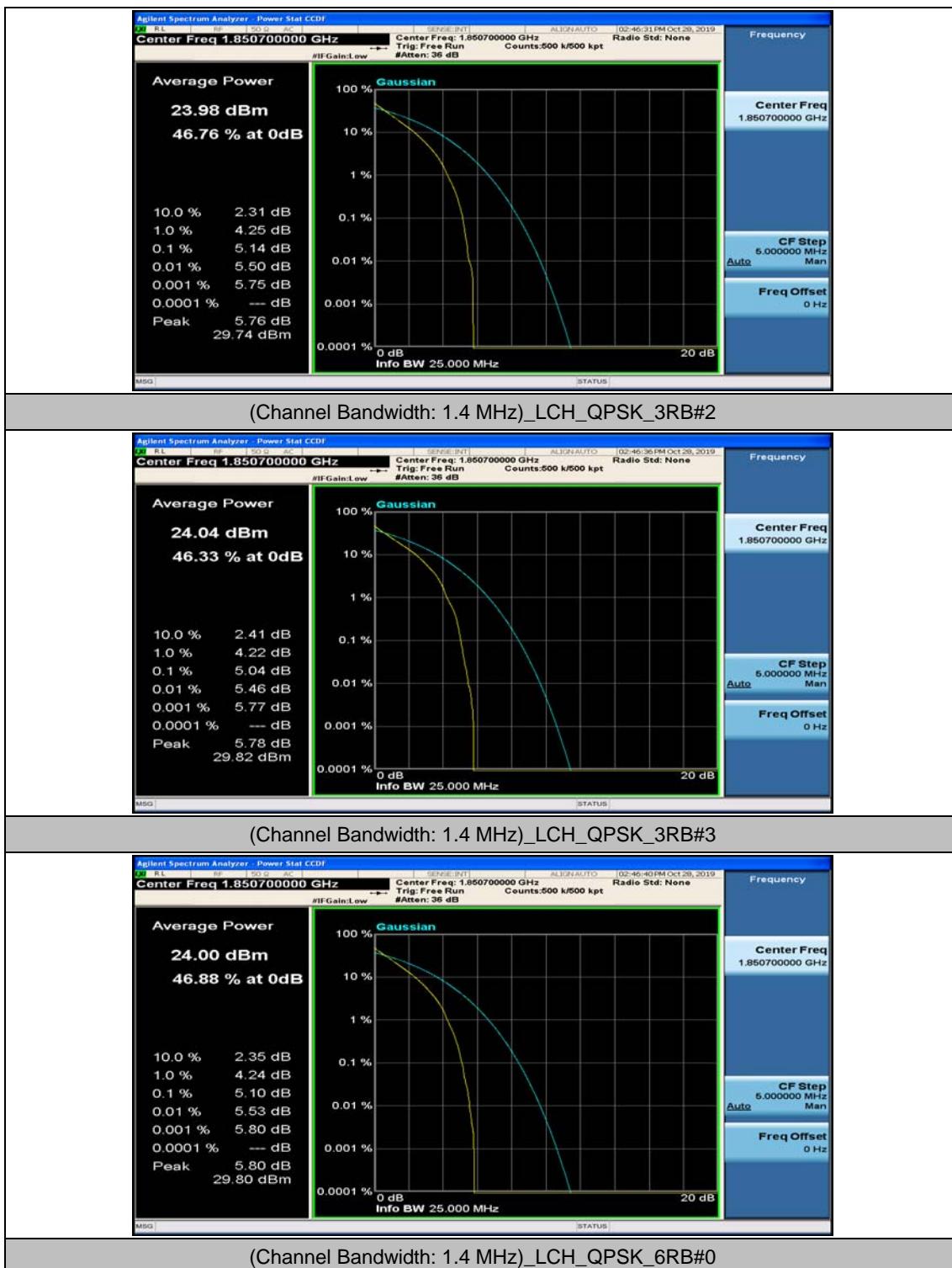
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.06	<13	PASS
		1	49	5.04	<13	PASS
		1	99	4.91	<13	PASS
		50	0	5.36	<13	PASS
		50	25	5.39	<13	PASS
		50	50	5.34	<13	PASS
		100	0	5.46	<13	PASS
	MCH	1	0	4.94	<13	PASS
		1	49	5.27	<13	PASS
		1	99	5.17	<13	PASS
		50	0	5.42	<13	PASS
		50	25	5.47	<13	PASS
		50	50	5.45	<13	PASS
		100	0	5.6	<13	PASS
16QAM	LCH	1	0	4.94	<13	PASS
		1	49	5.2	<13	PASS
		1	99	5.01	<13	PASS
		50	0	5.32	<13	PASS
		50	25	5.23	<13	PASS
		50	50	5.21	<13	PASS
		100	0	5.41	<13	PASS
	MCH	1	0	5.58	<13	PASS
		1	49	5.68	<13	PASS
		1	99	5.63	<13	PASS
		50	0	6.15	<13	PASS
		50	25	6.11	<13	PASS
		50	50	6.08	<13	PASS
		100	0	6.21	<13	PASS
	HCH	1	0	5.91	<13	PASS
		1	49	5.99	<13	PASS
		1	99	5.89	<13	PASS
		50	0	6.16	<13	PASS
		50	25	6.16	<13	PASS
		50	50	6.21	<13	PASS
		100	0	6.25	<13	PASS
	HCH	1	0	5.95	<13	PASS

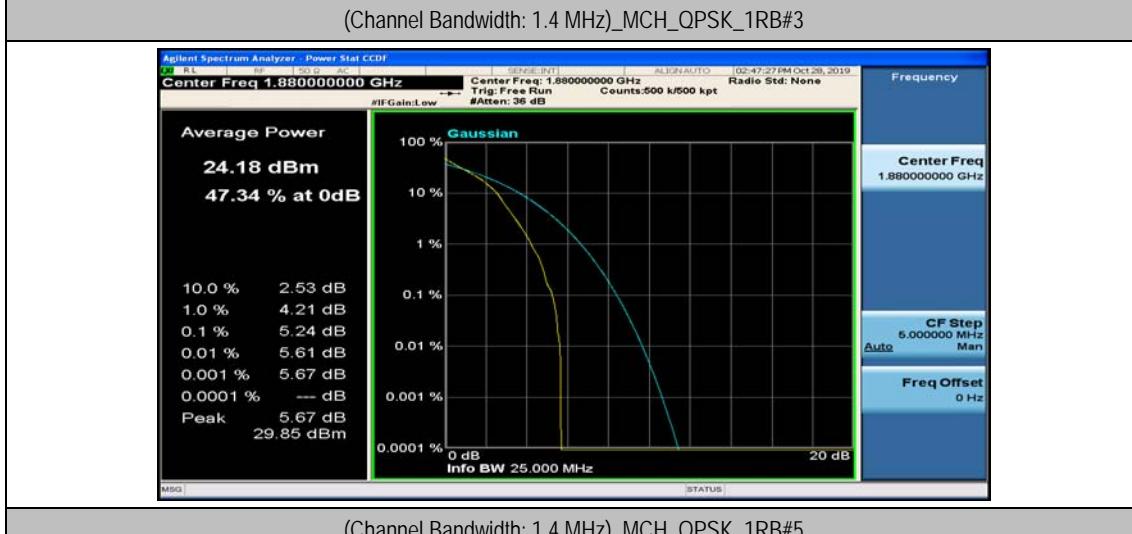
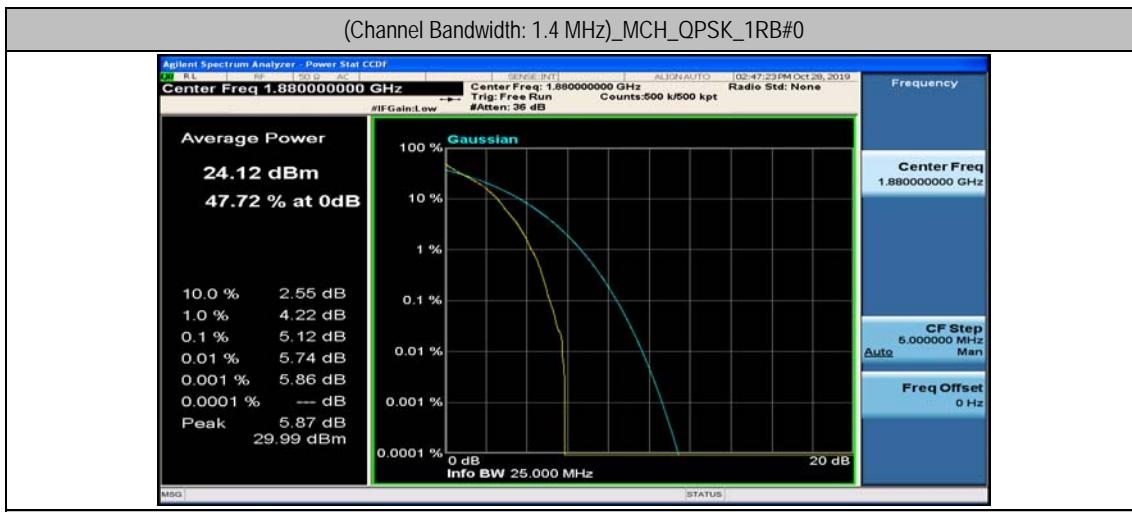
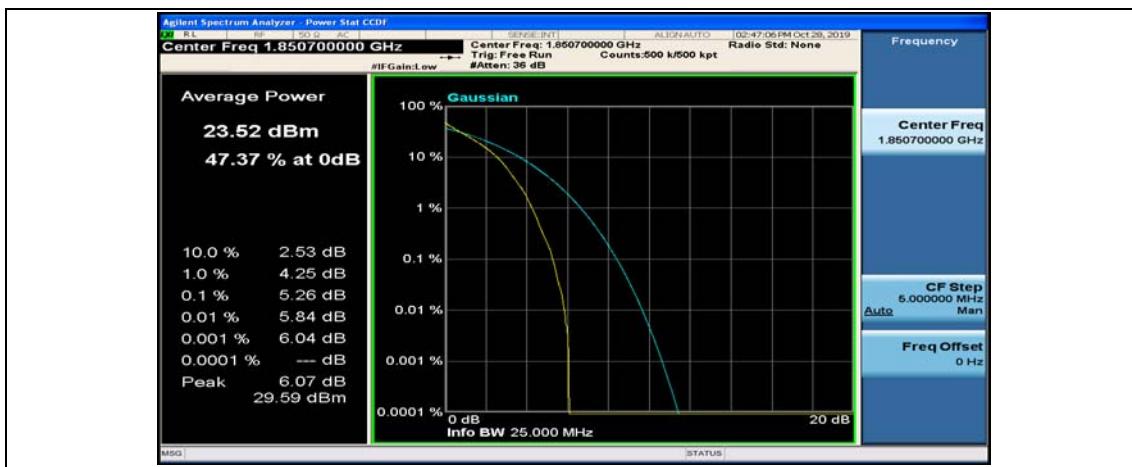
		1	49	5.77	<13	PASS
		1	99	5.37	<13	PASS
		50	0	6.1	<13	PASS
		50	25	6.06	<13	PASS
		50	50	6.02	<13	PASS
		100	0	6.16	<13	PASS

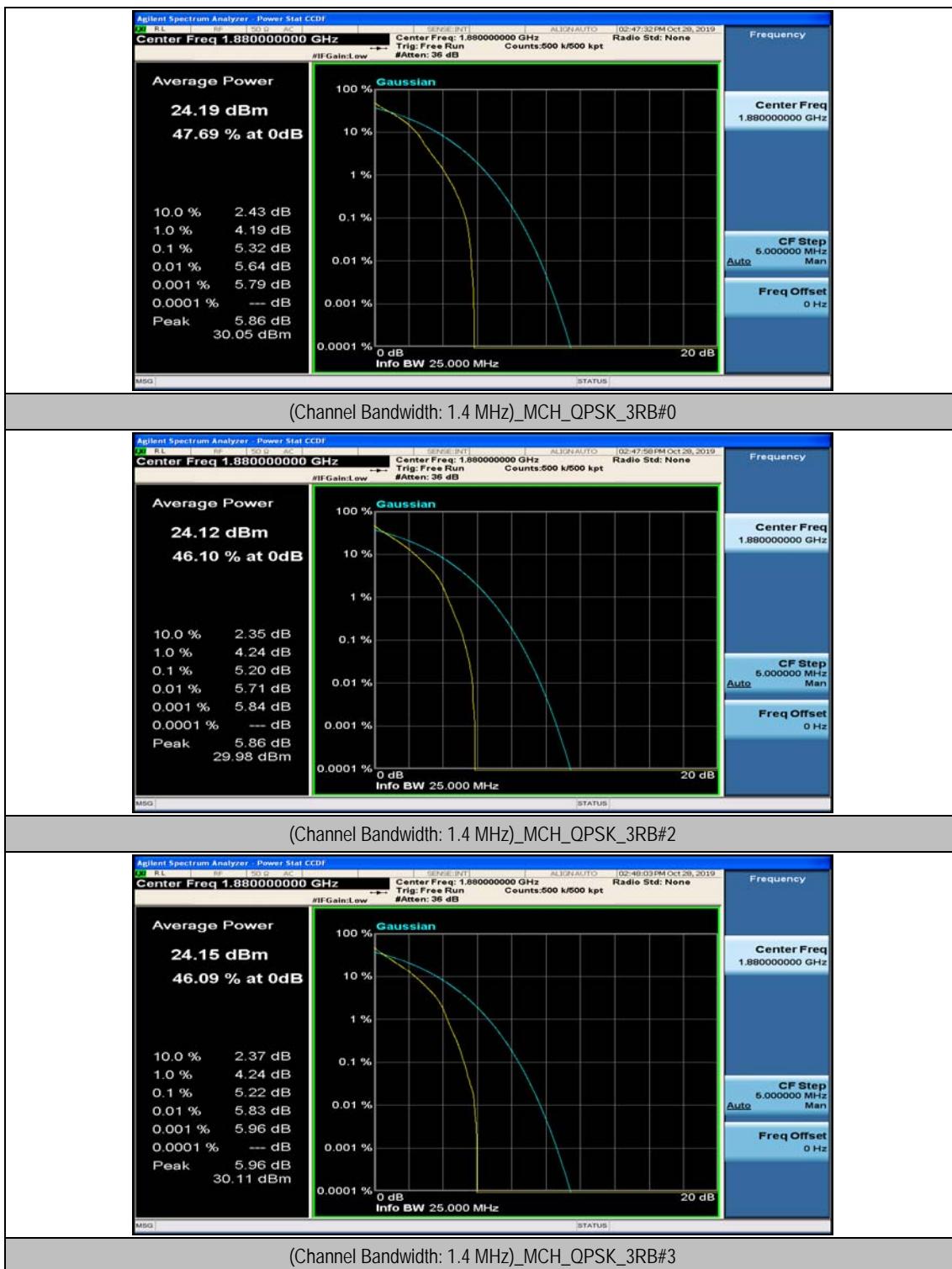
Test Graphs

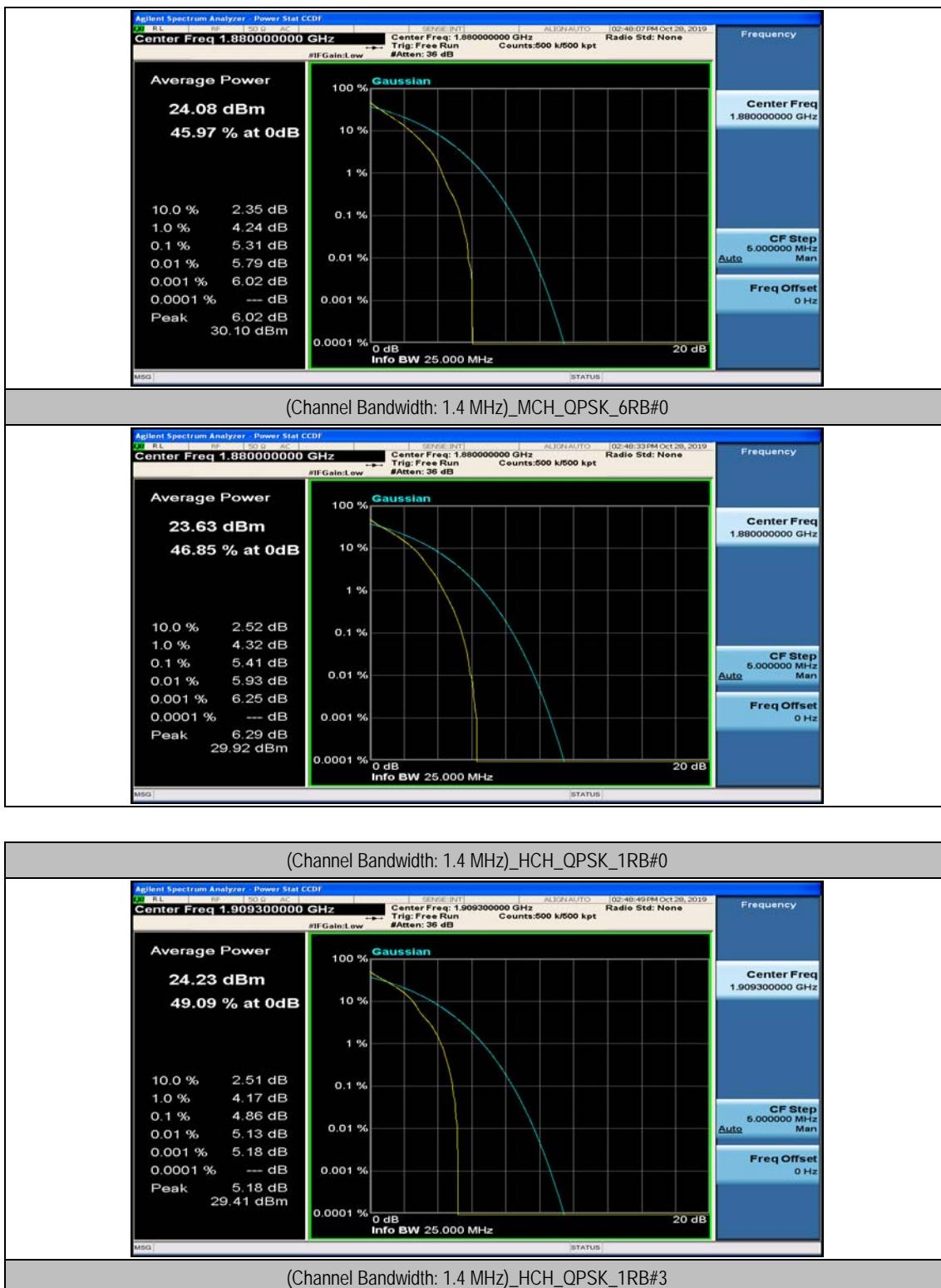
Channel Bandwidth: 1.4 MHz

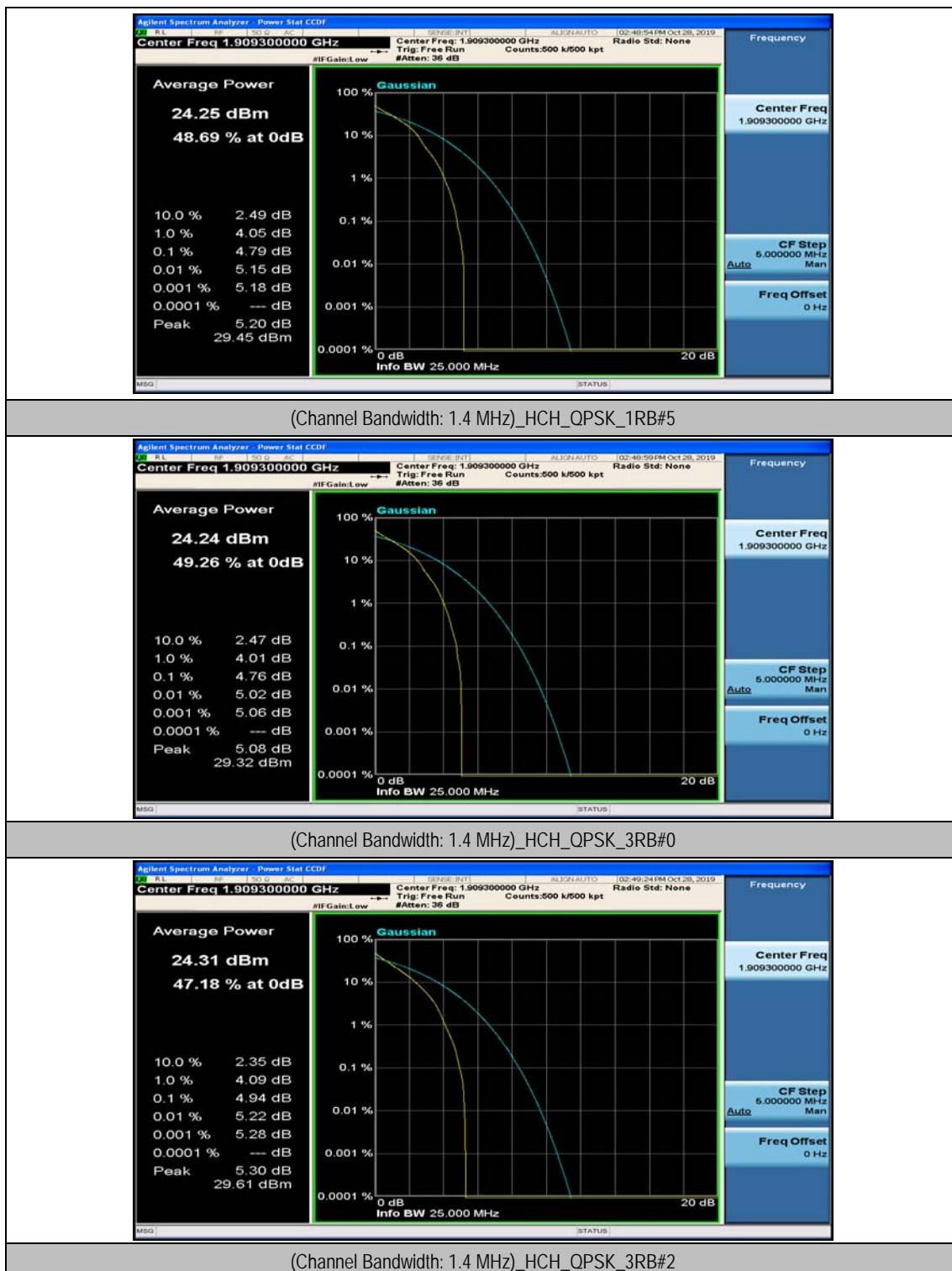


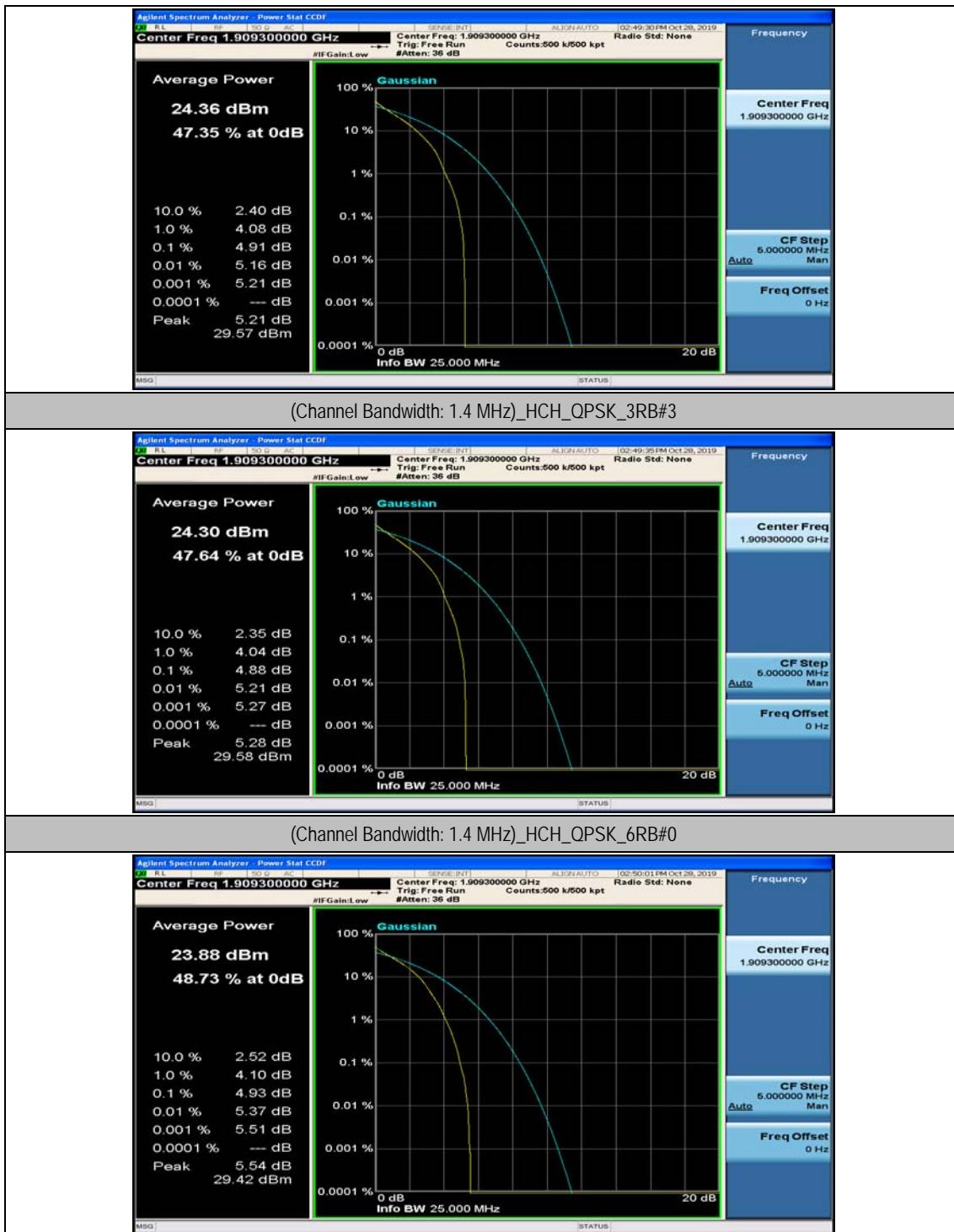


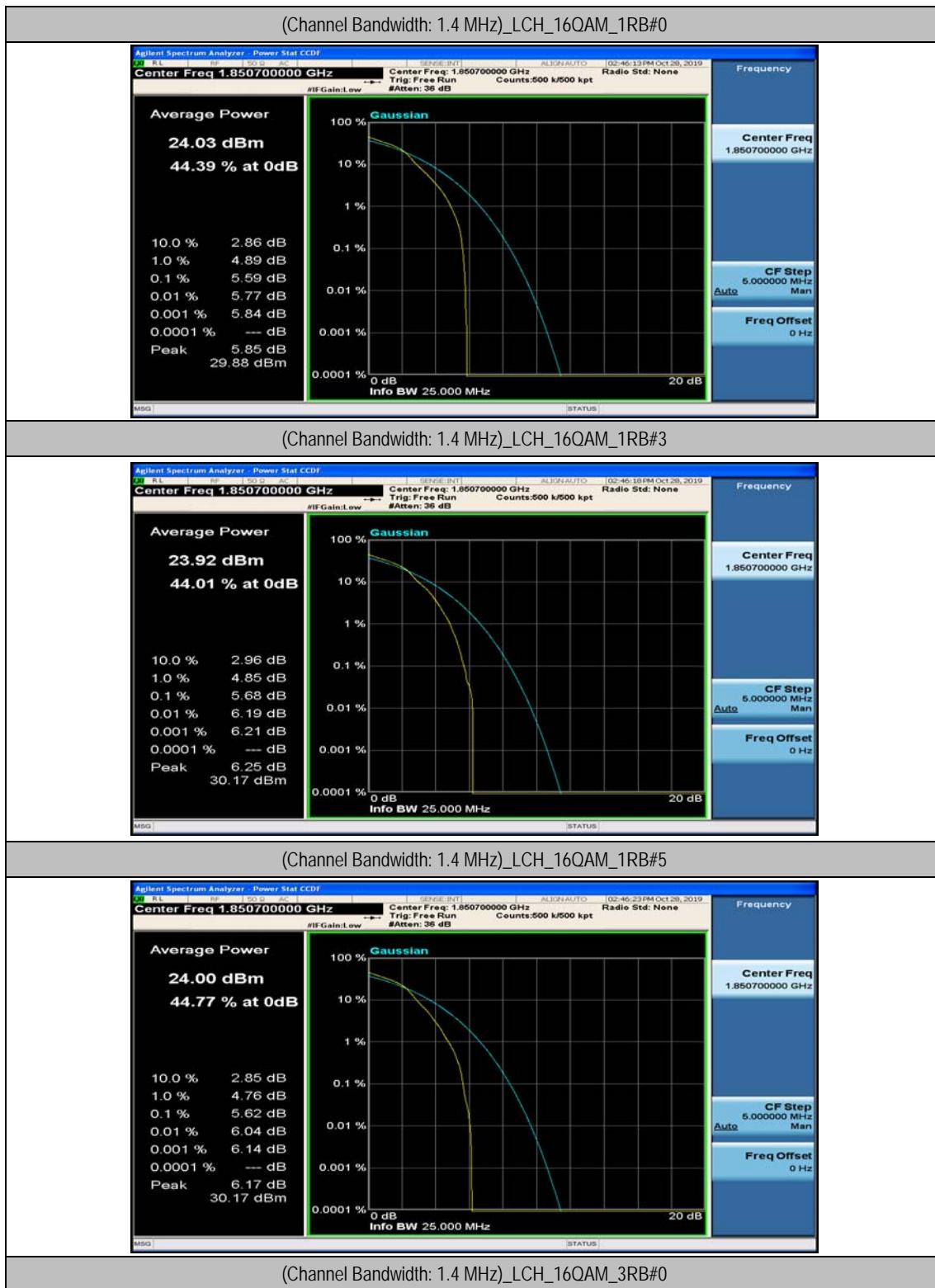


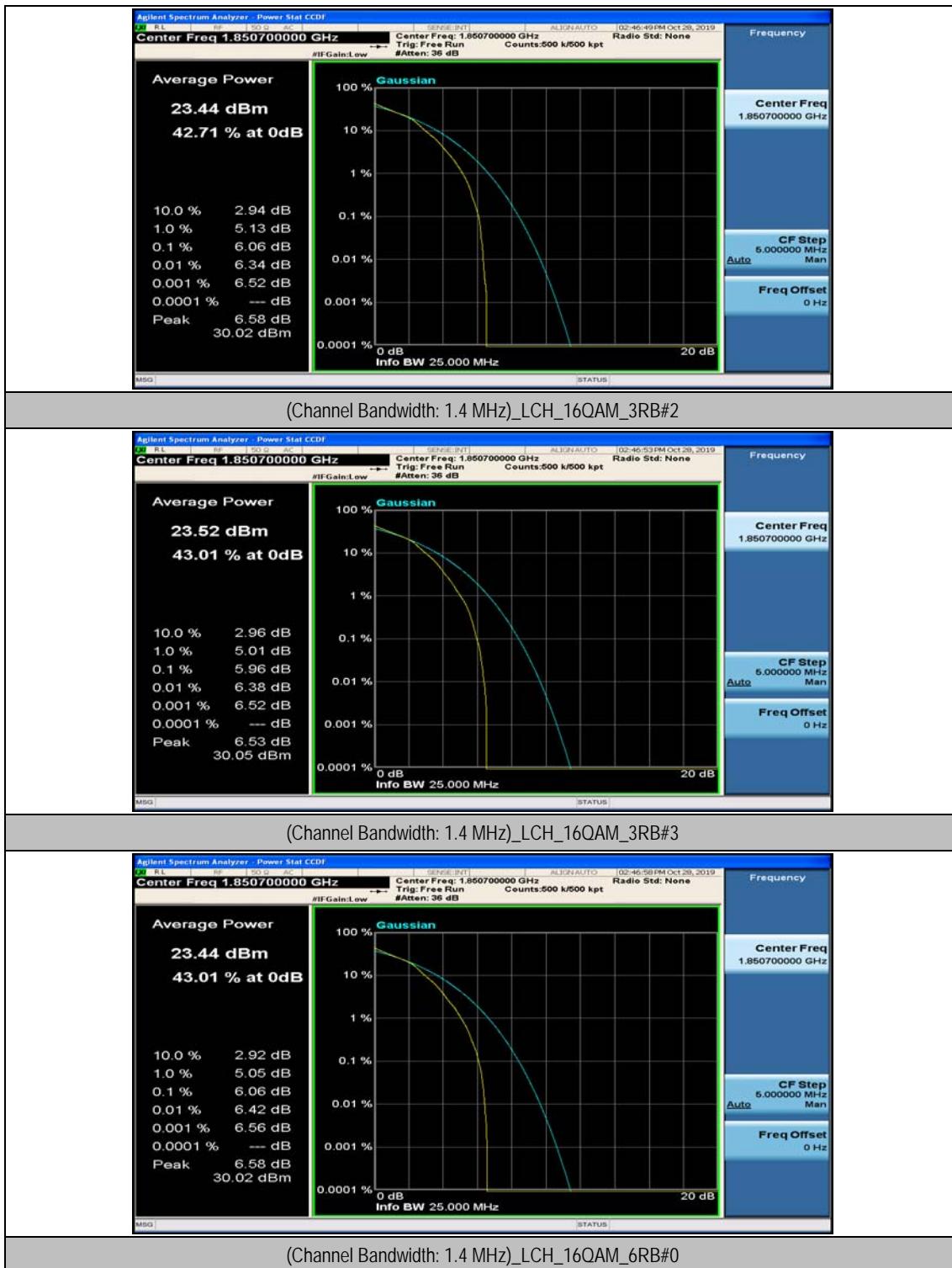


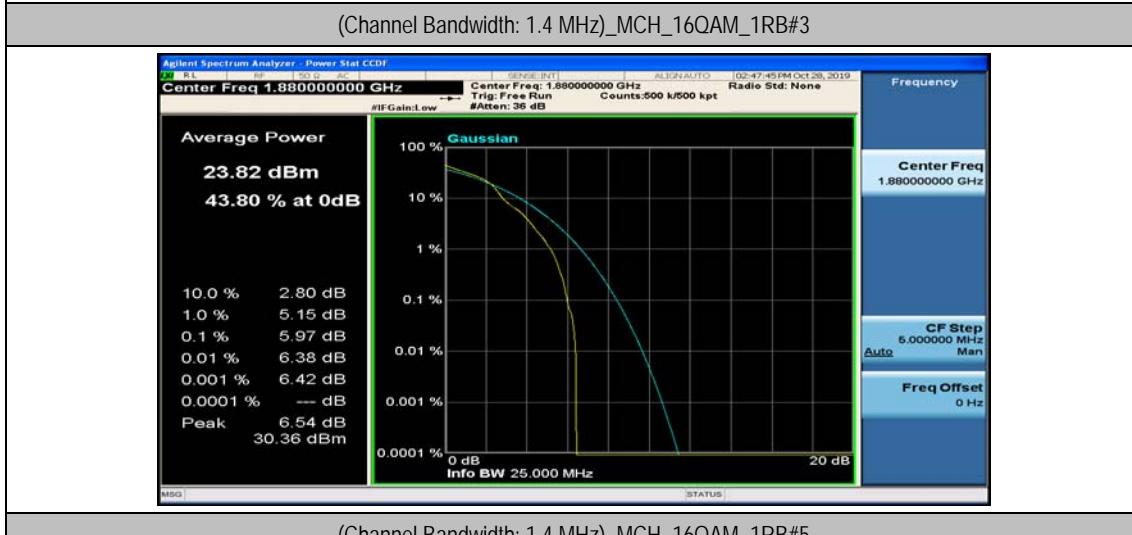
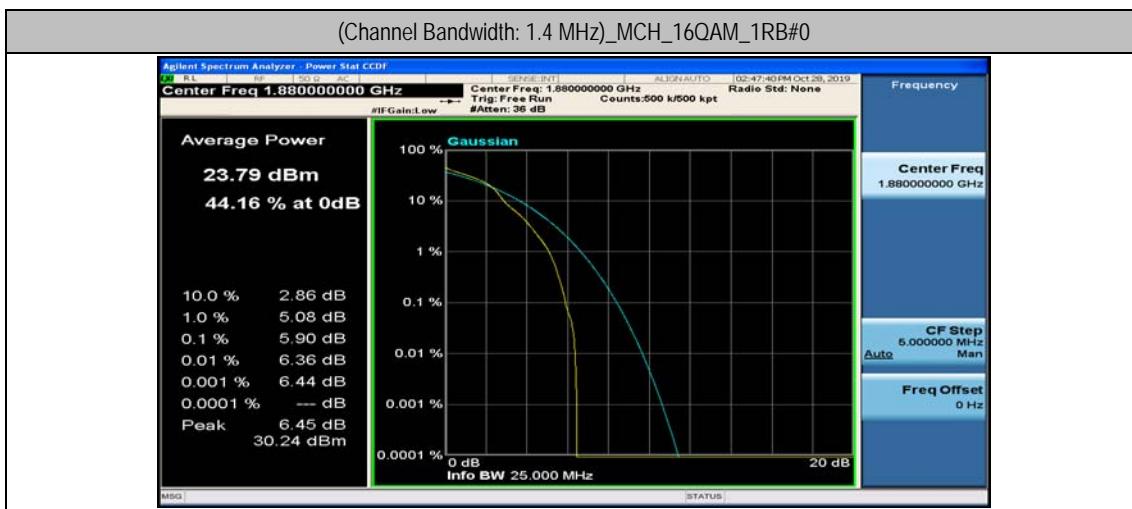
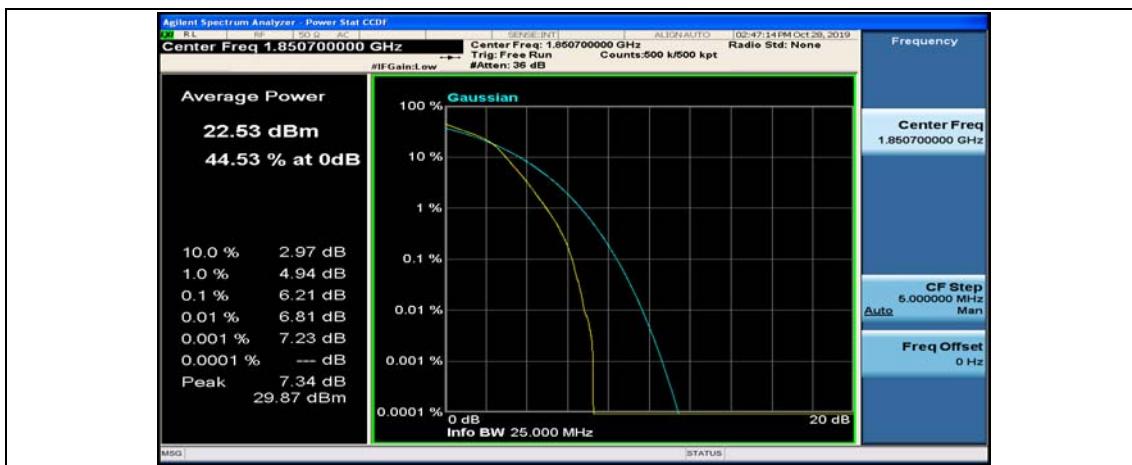




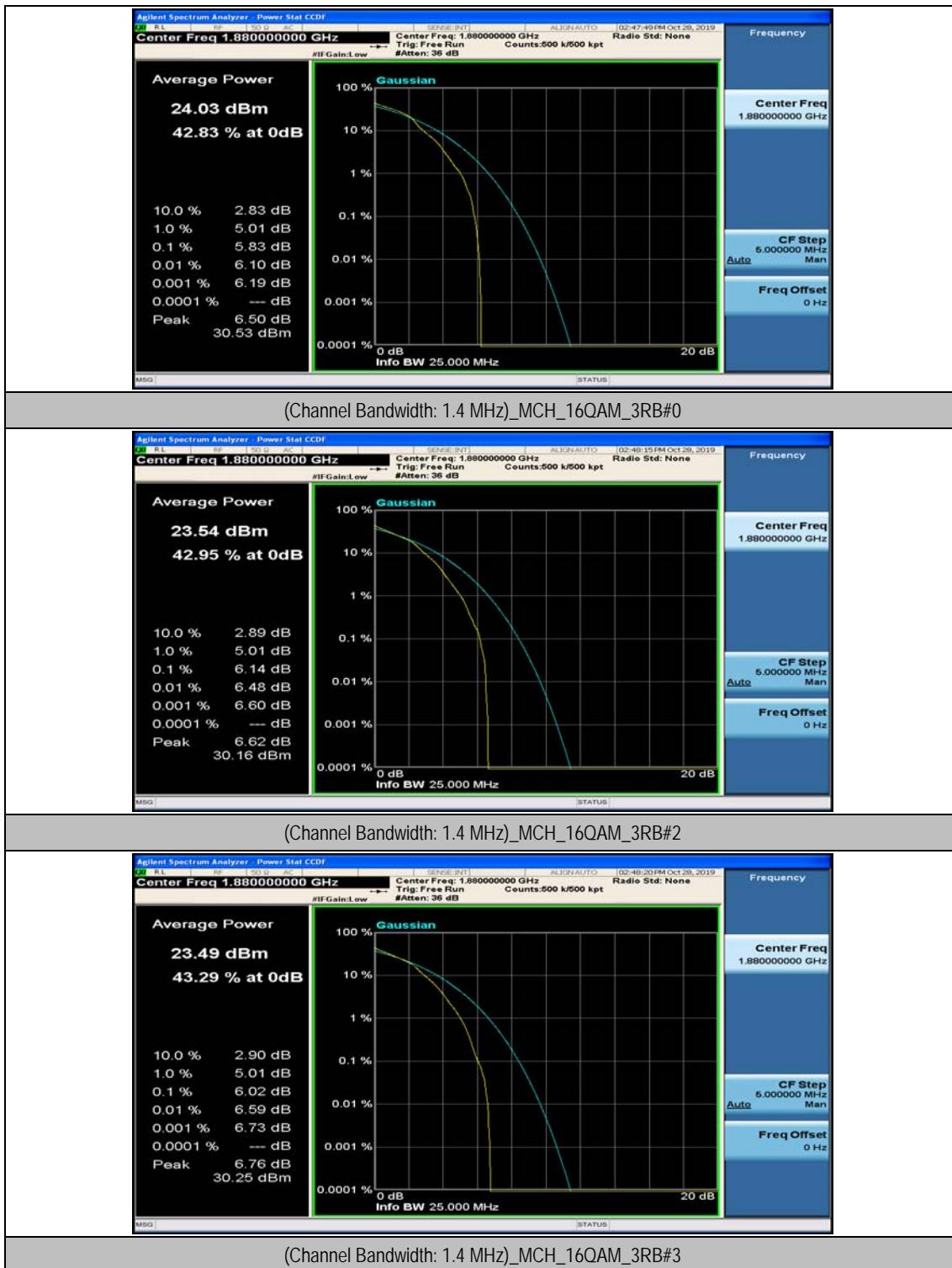


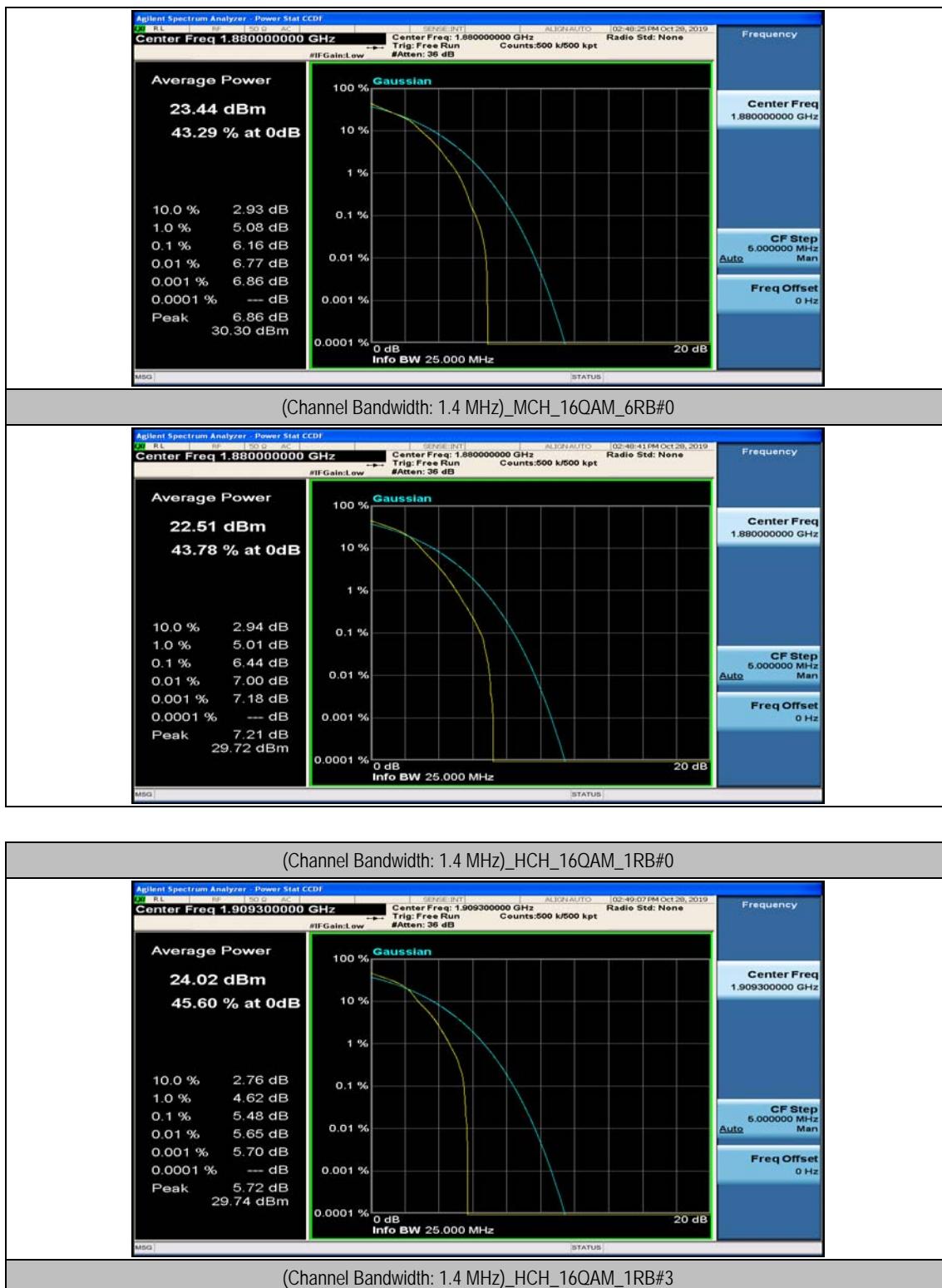


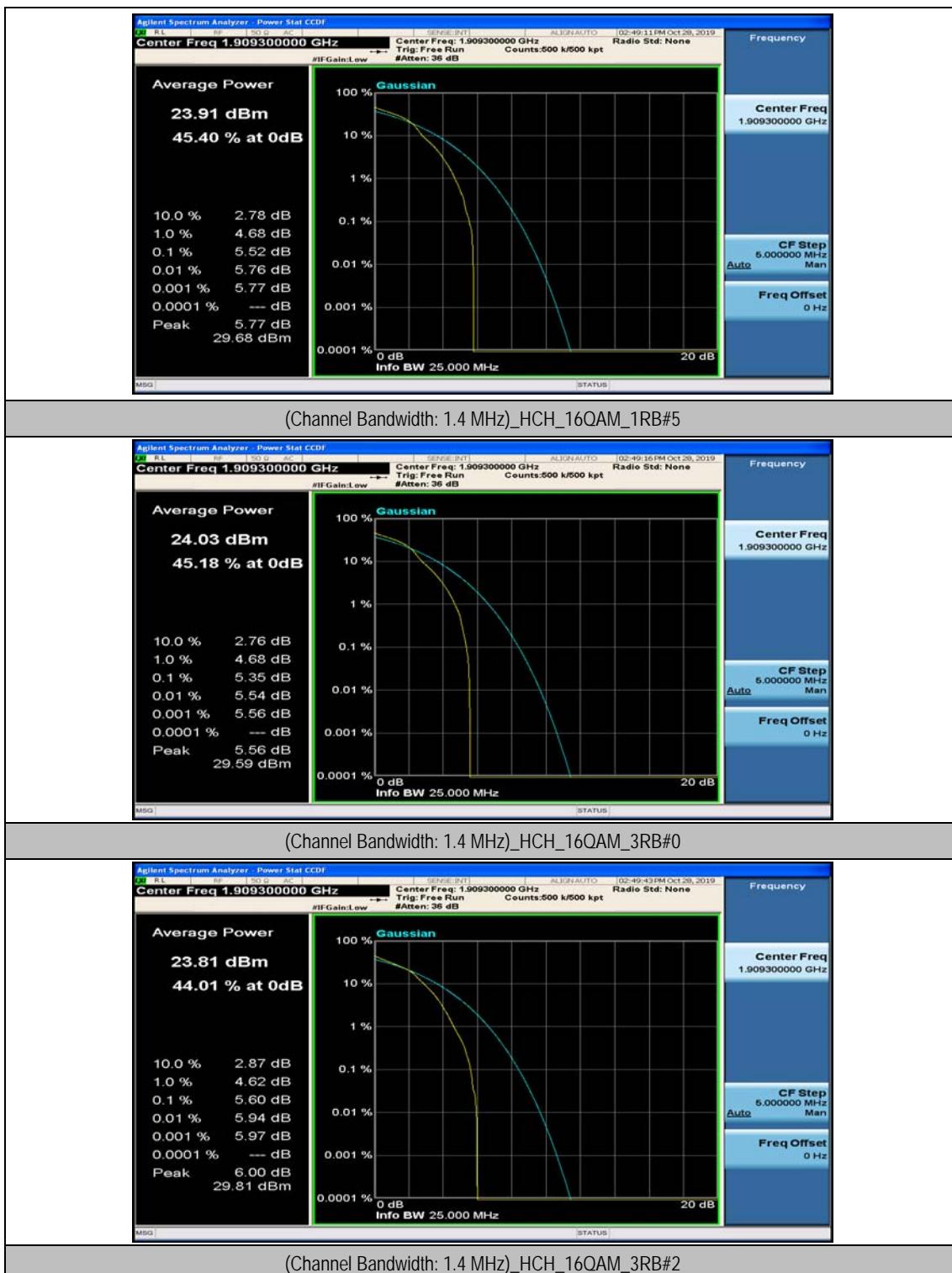


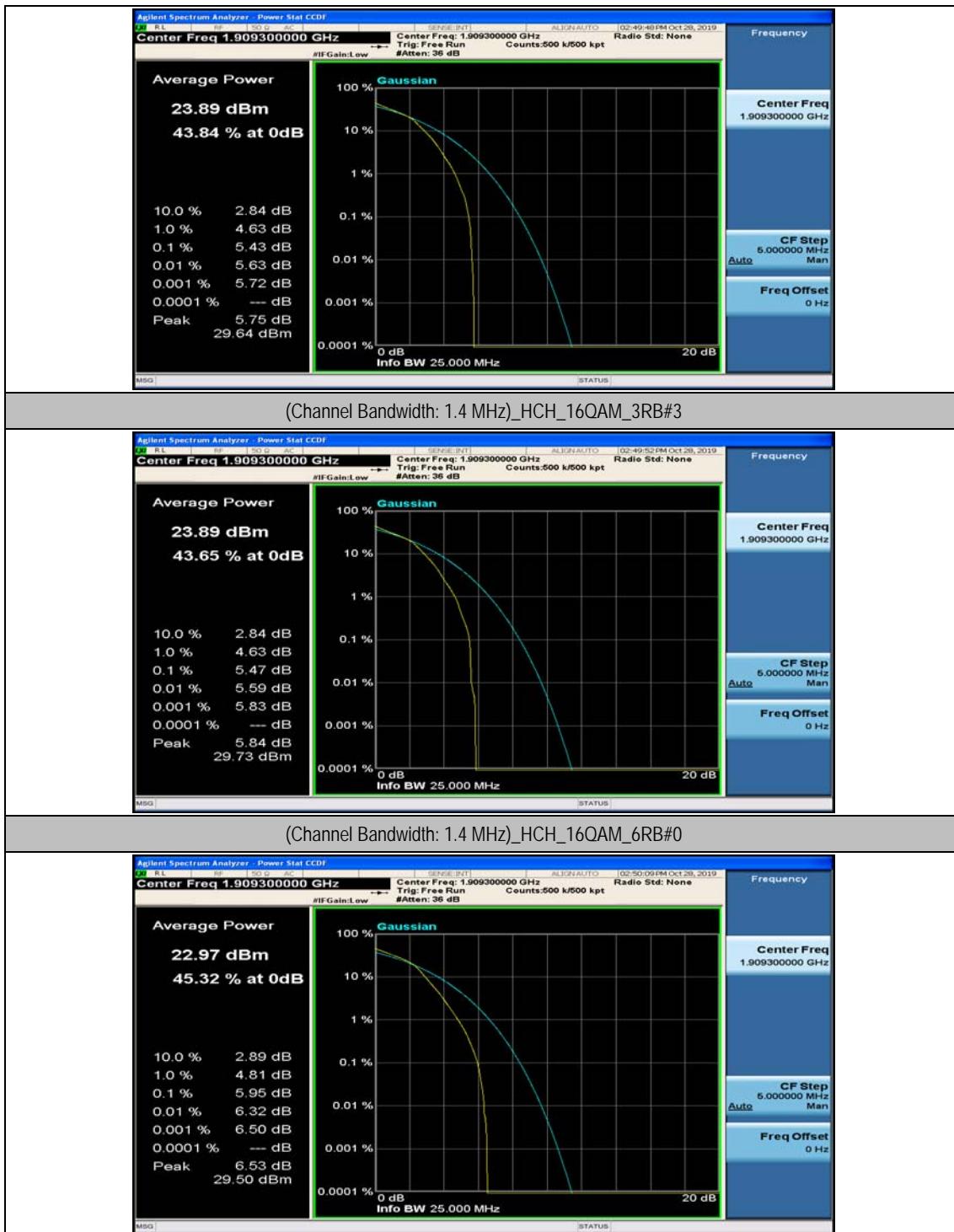


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

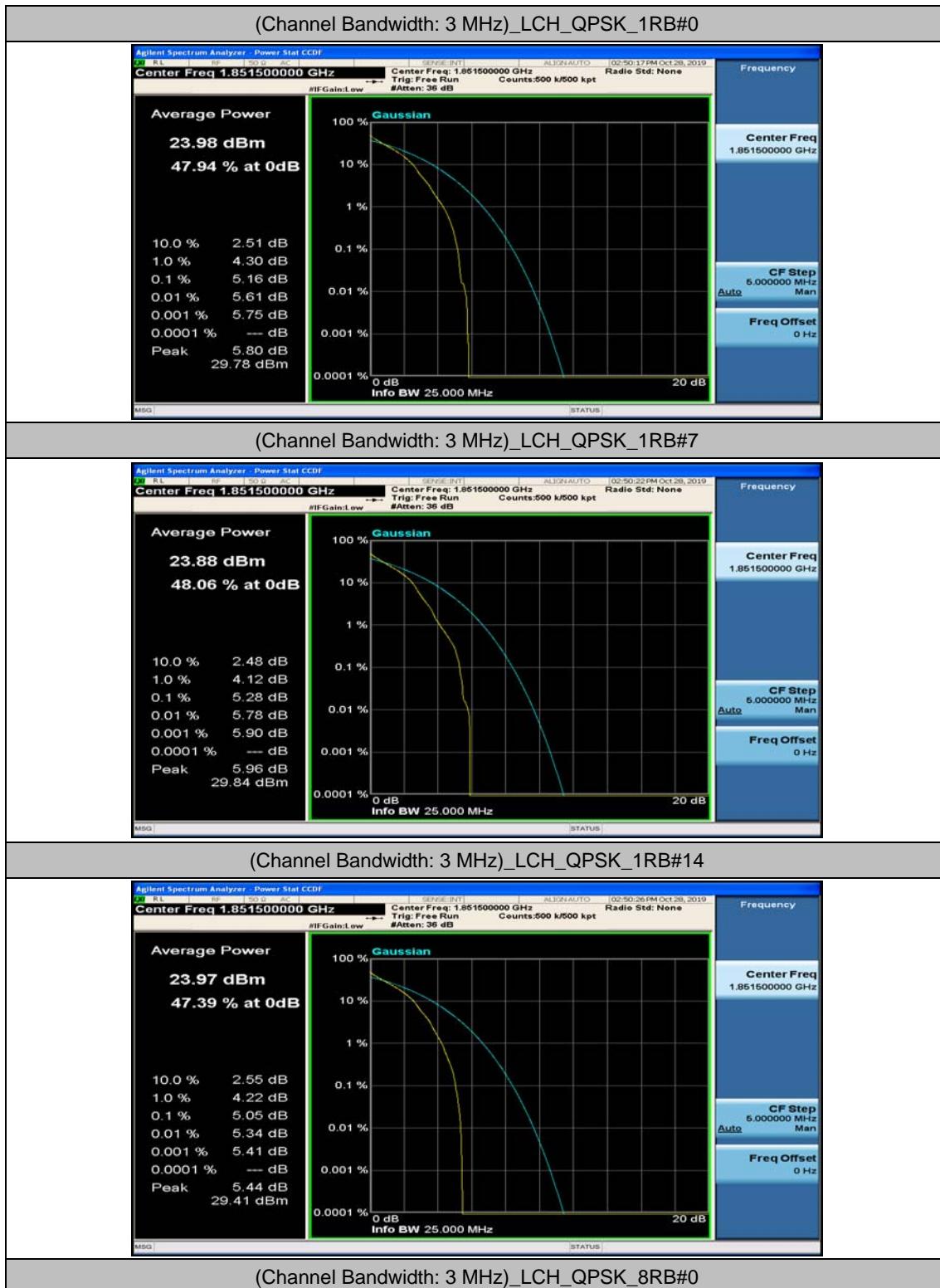


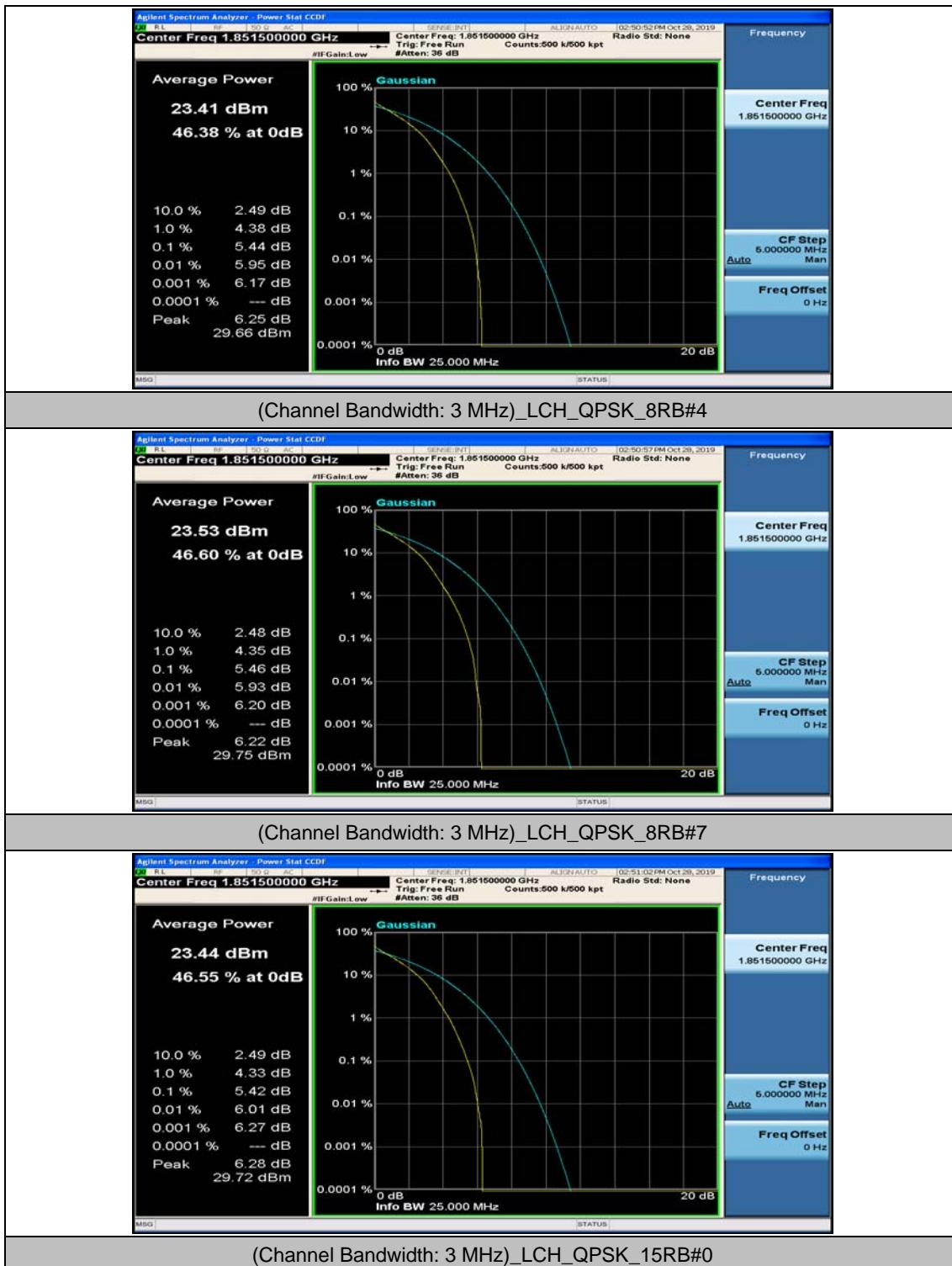


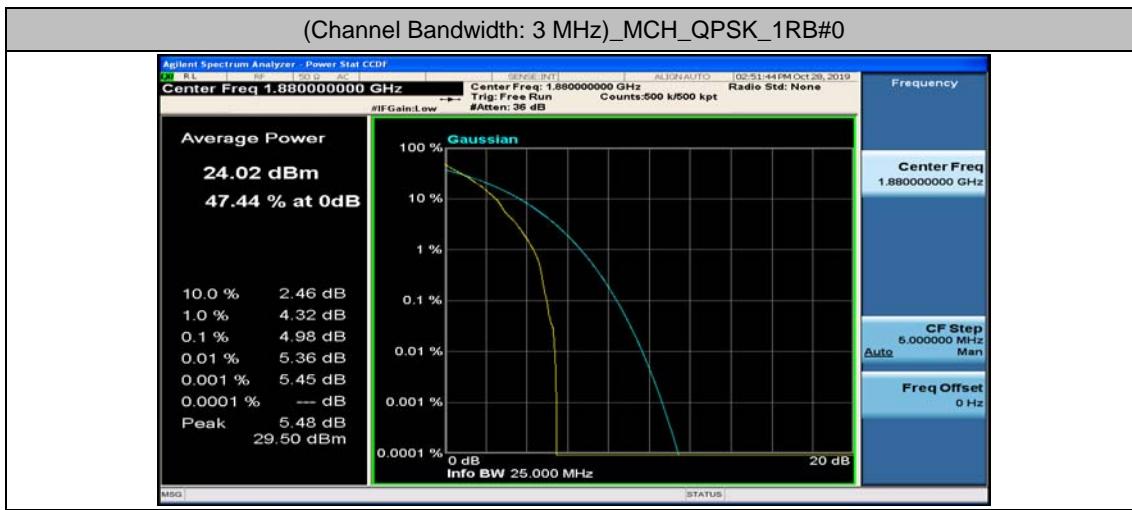
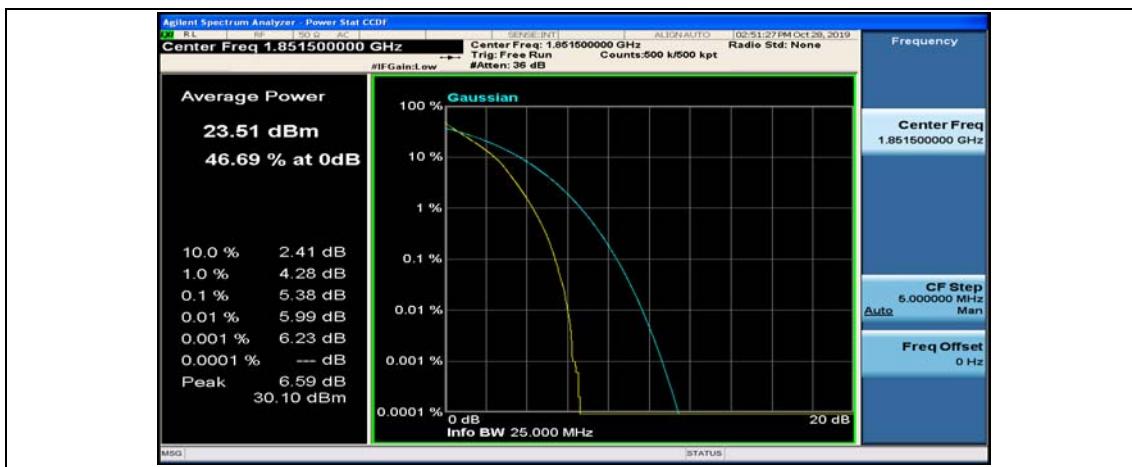




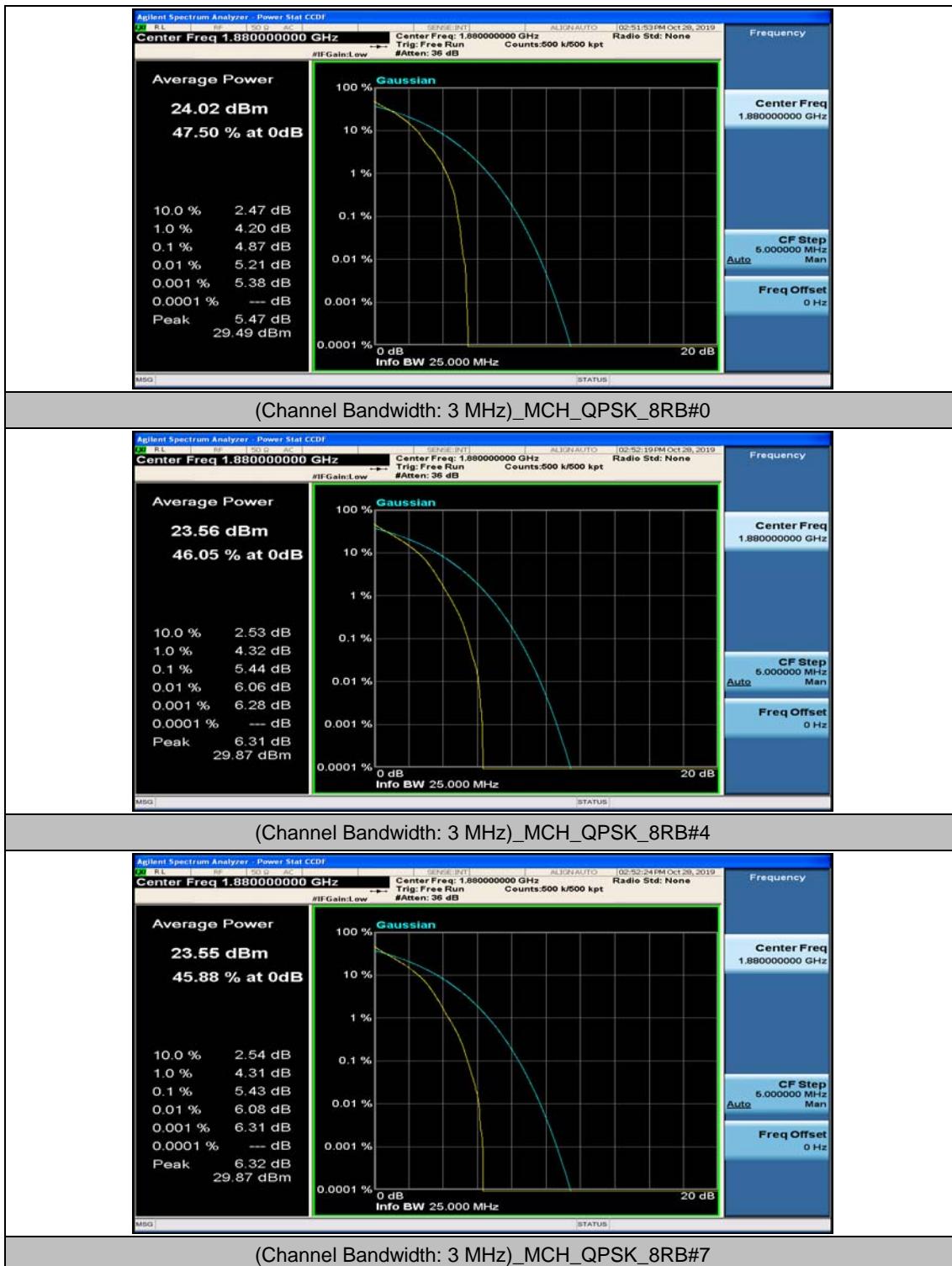
Channel Bandwidth: 3 MHz

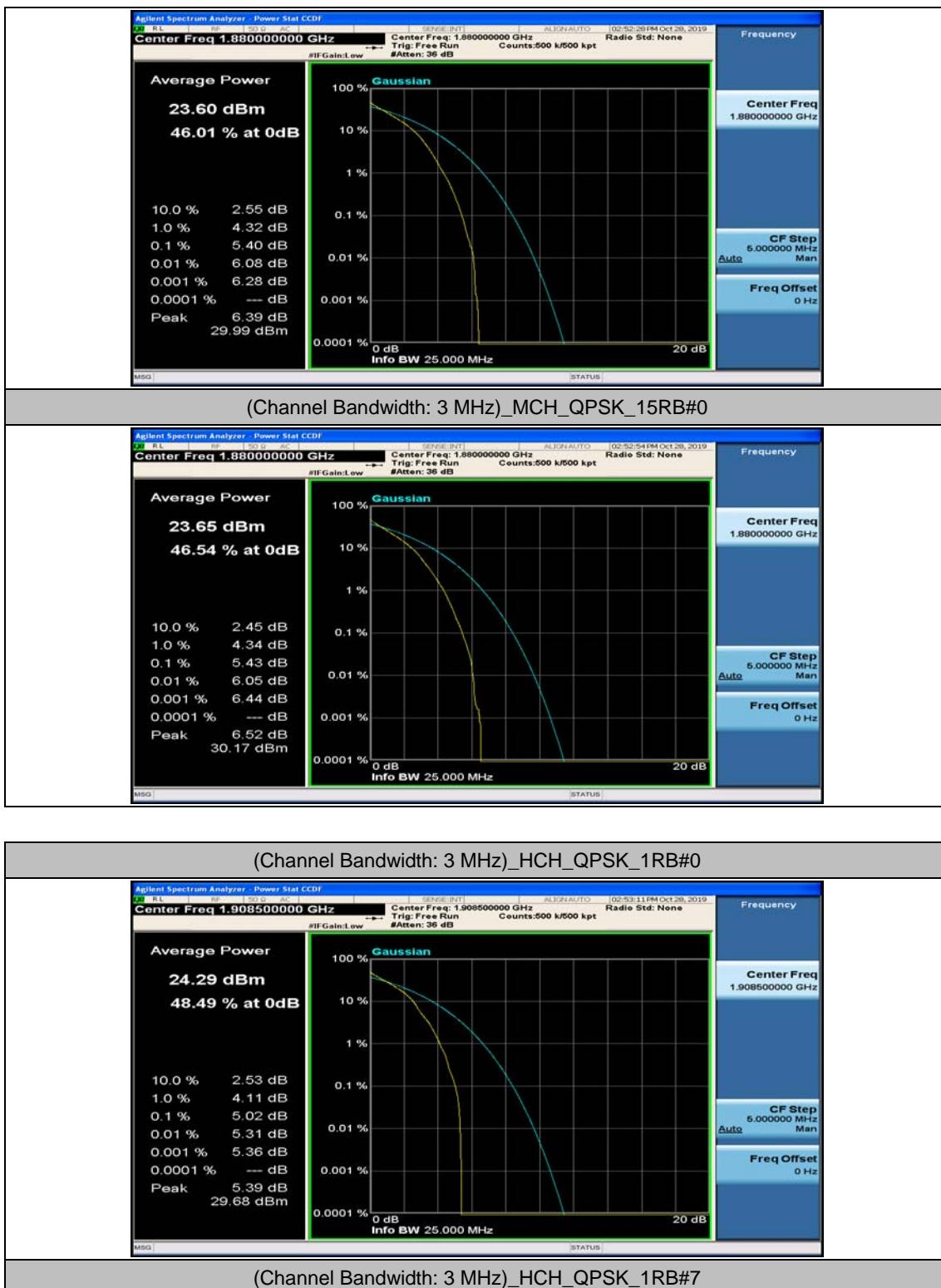


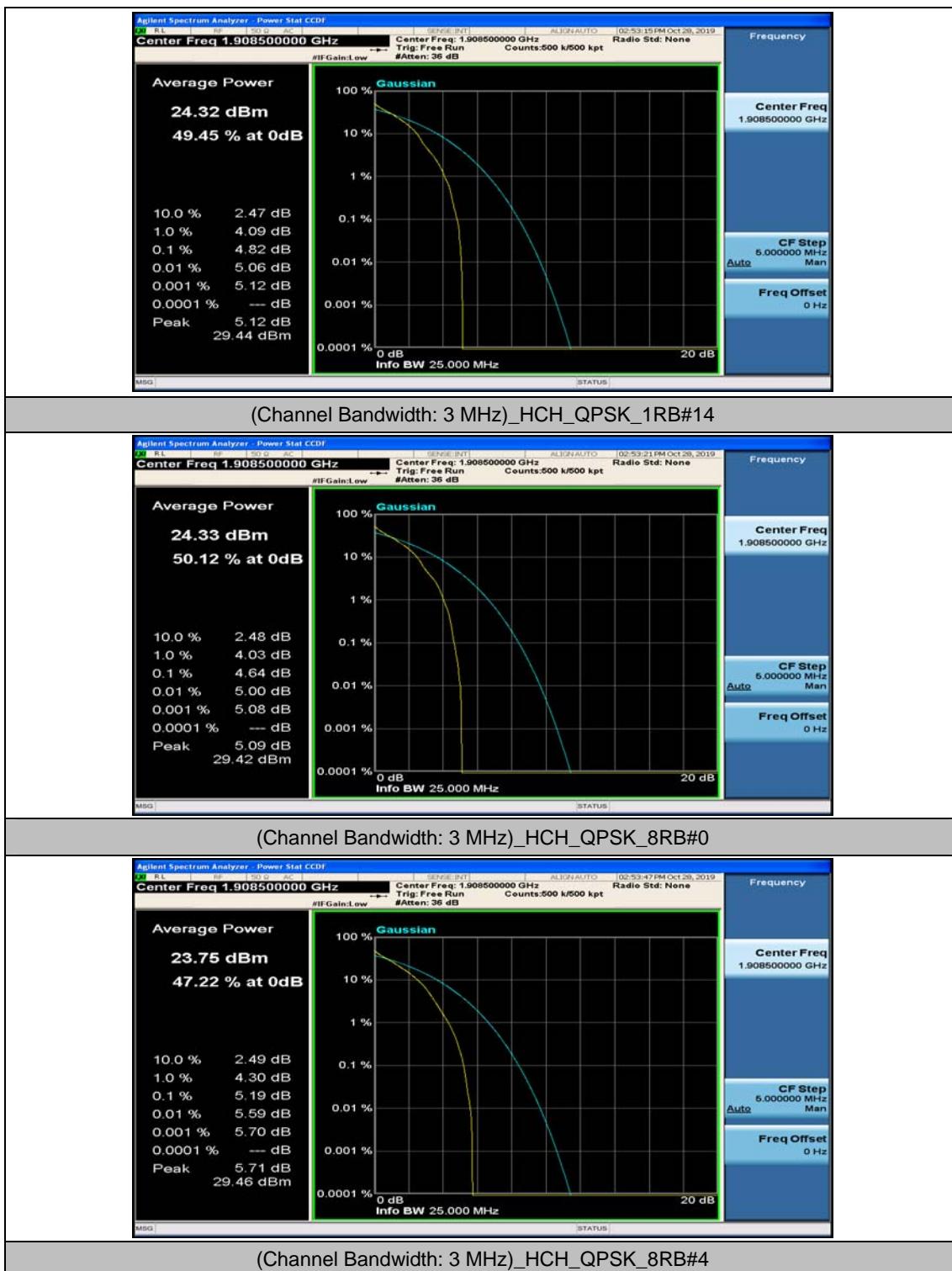


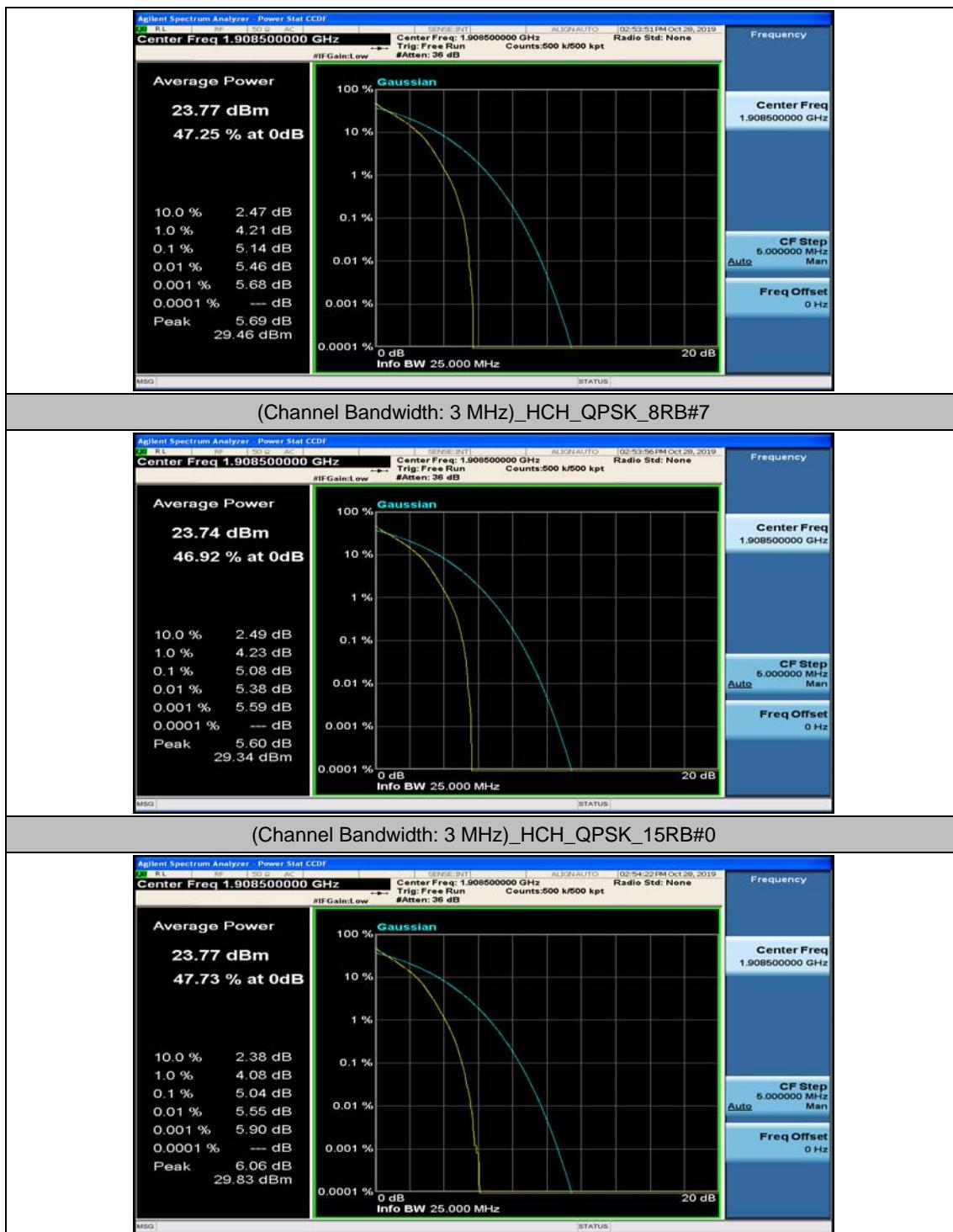


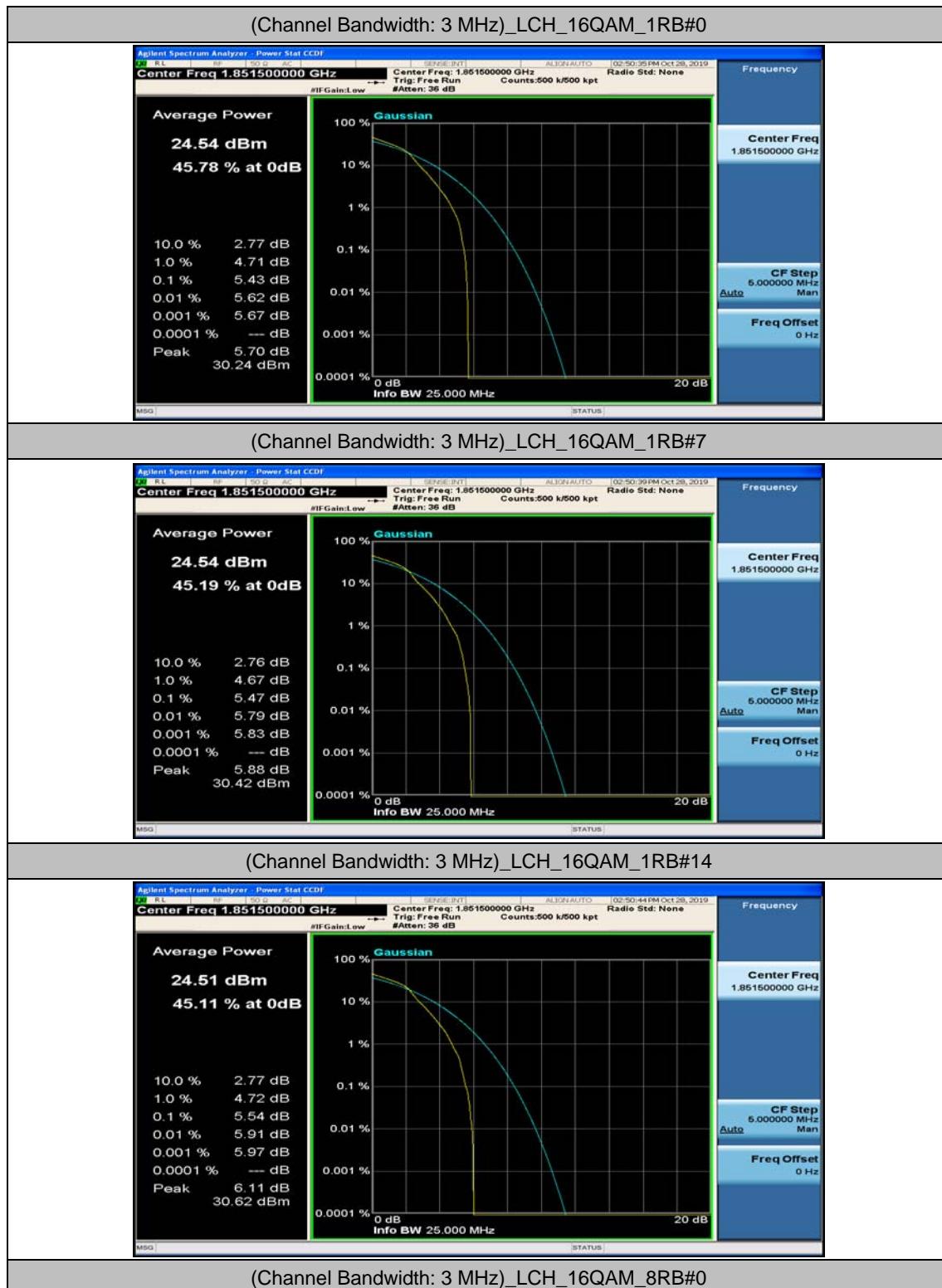
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

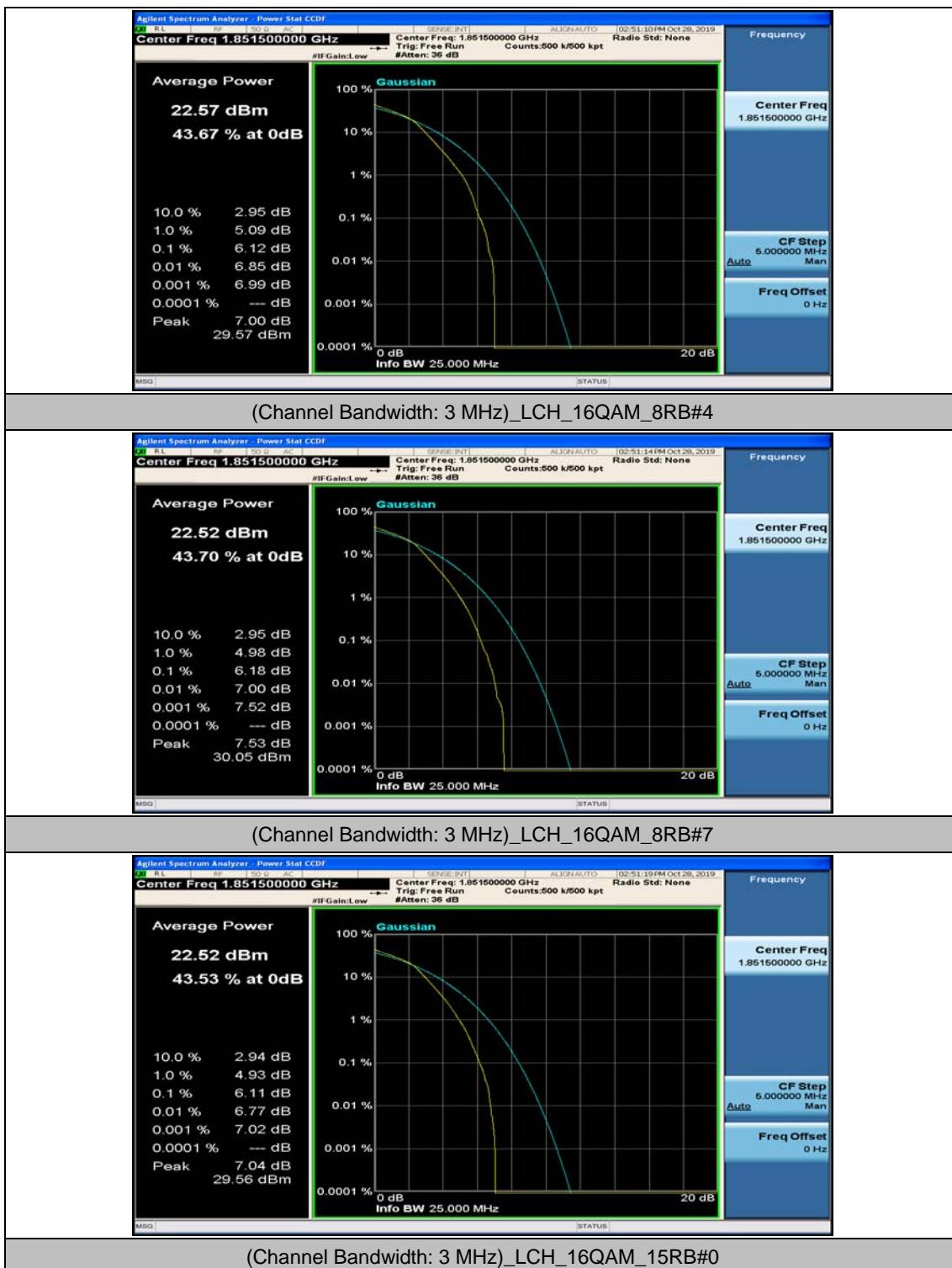


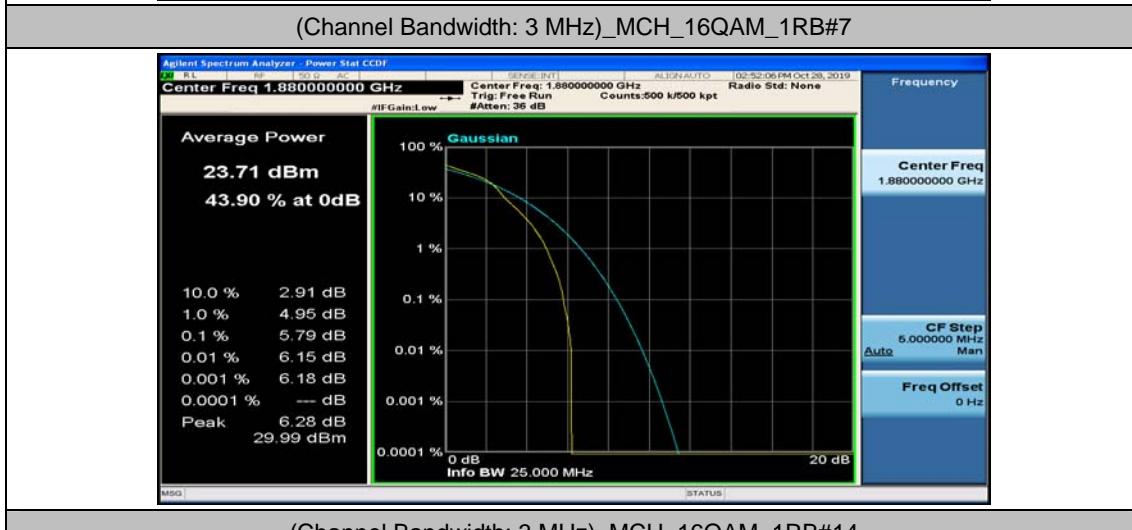
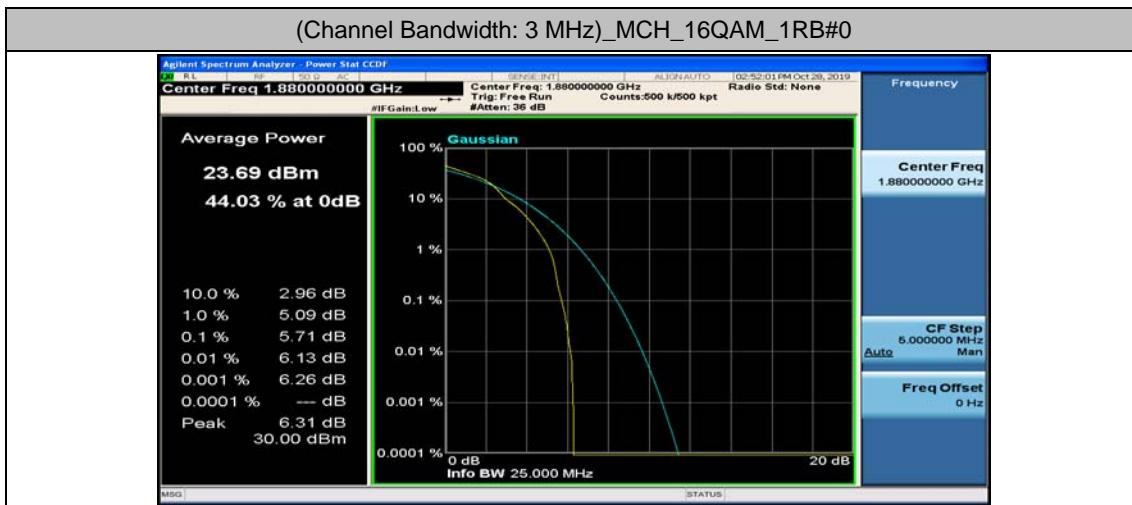
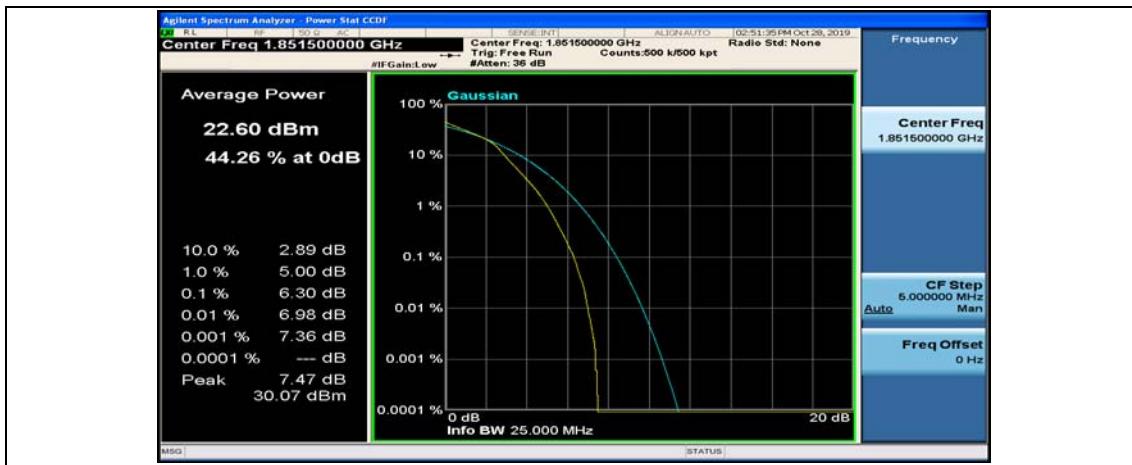




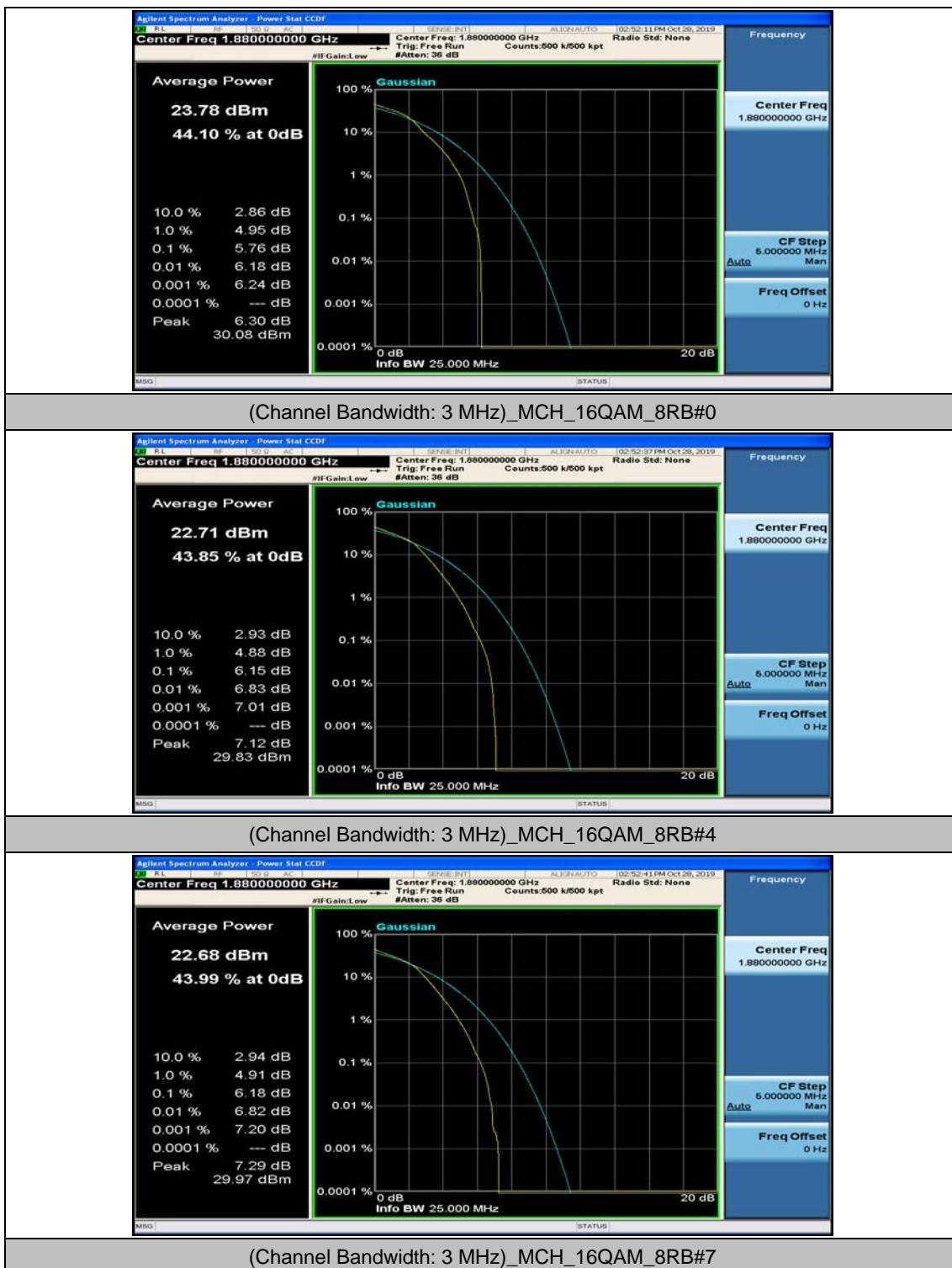


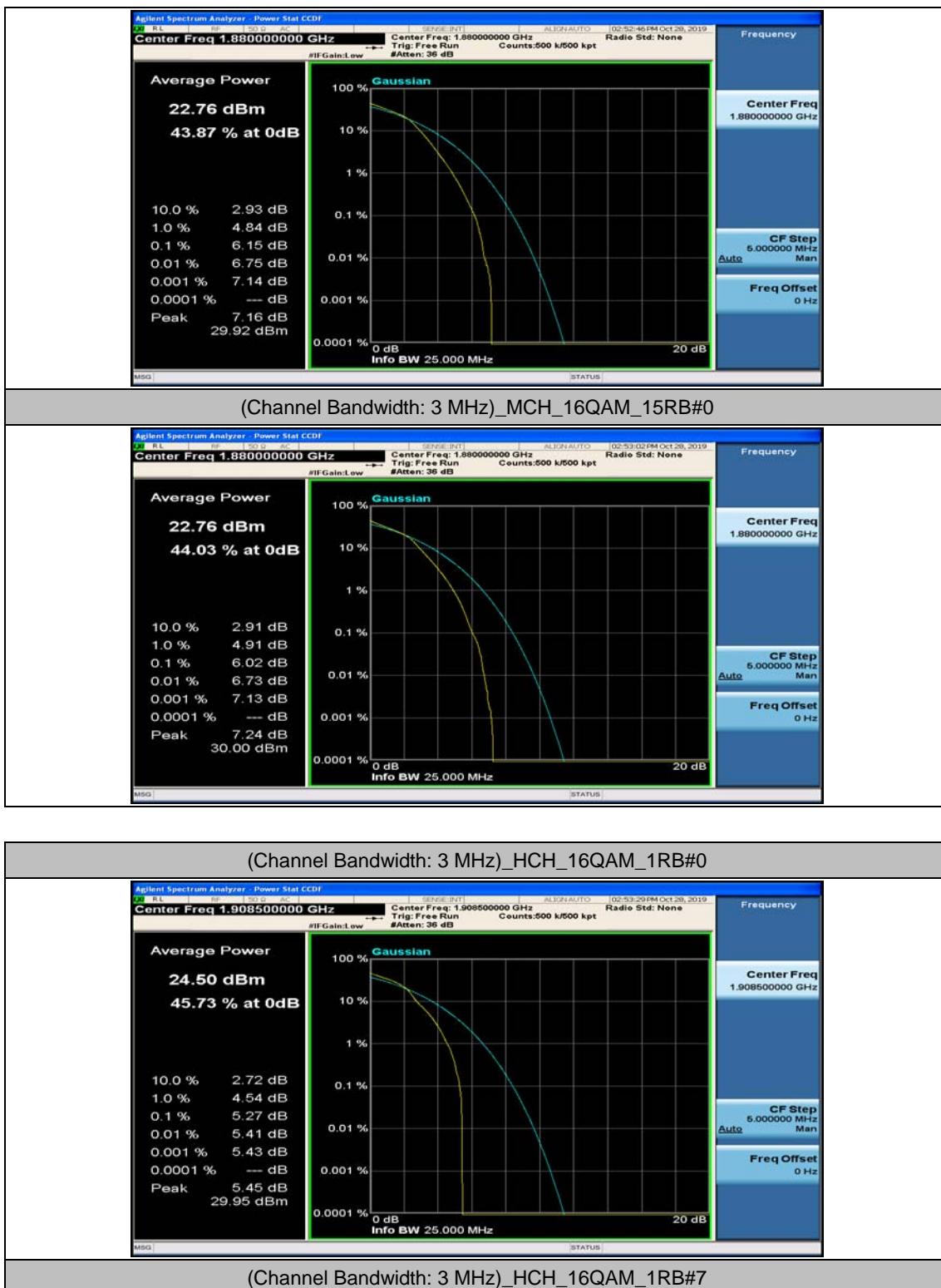


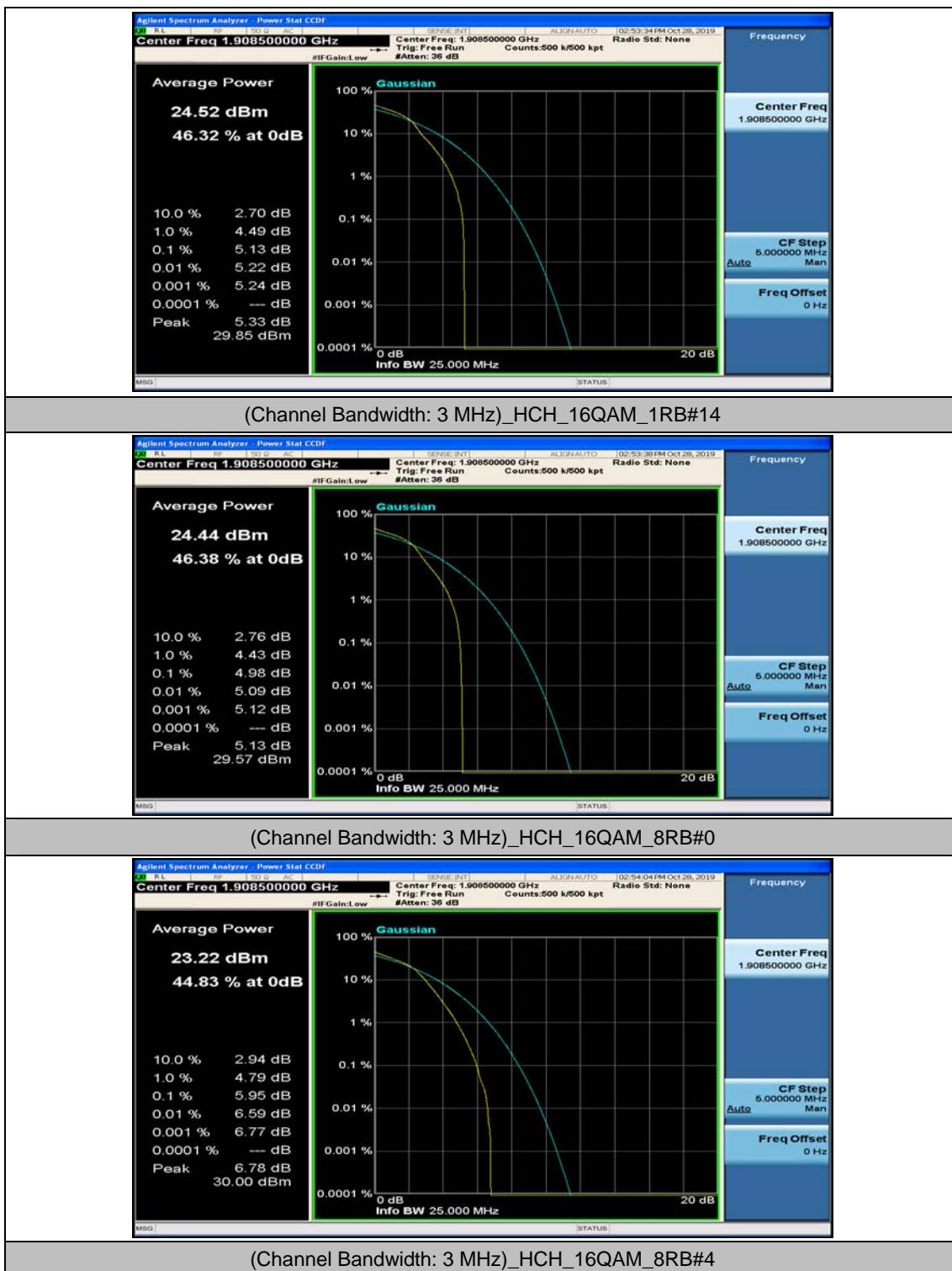


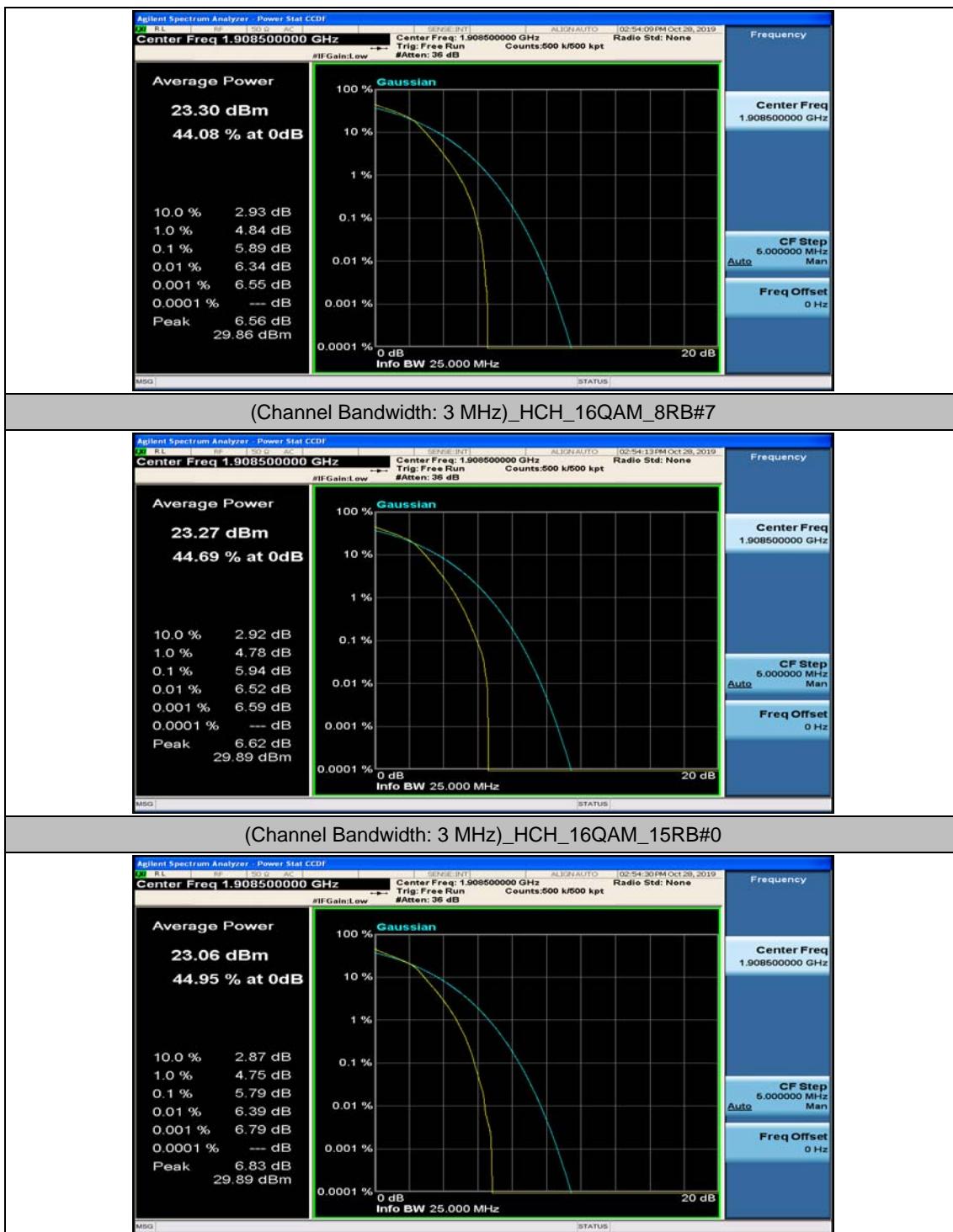


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

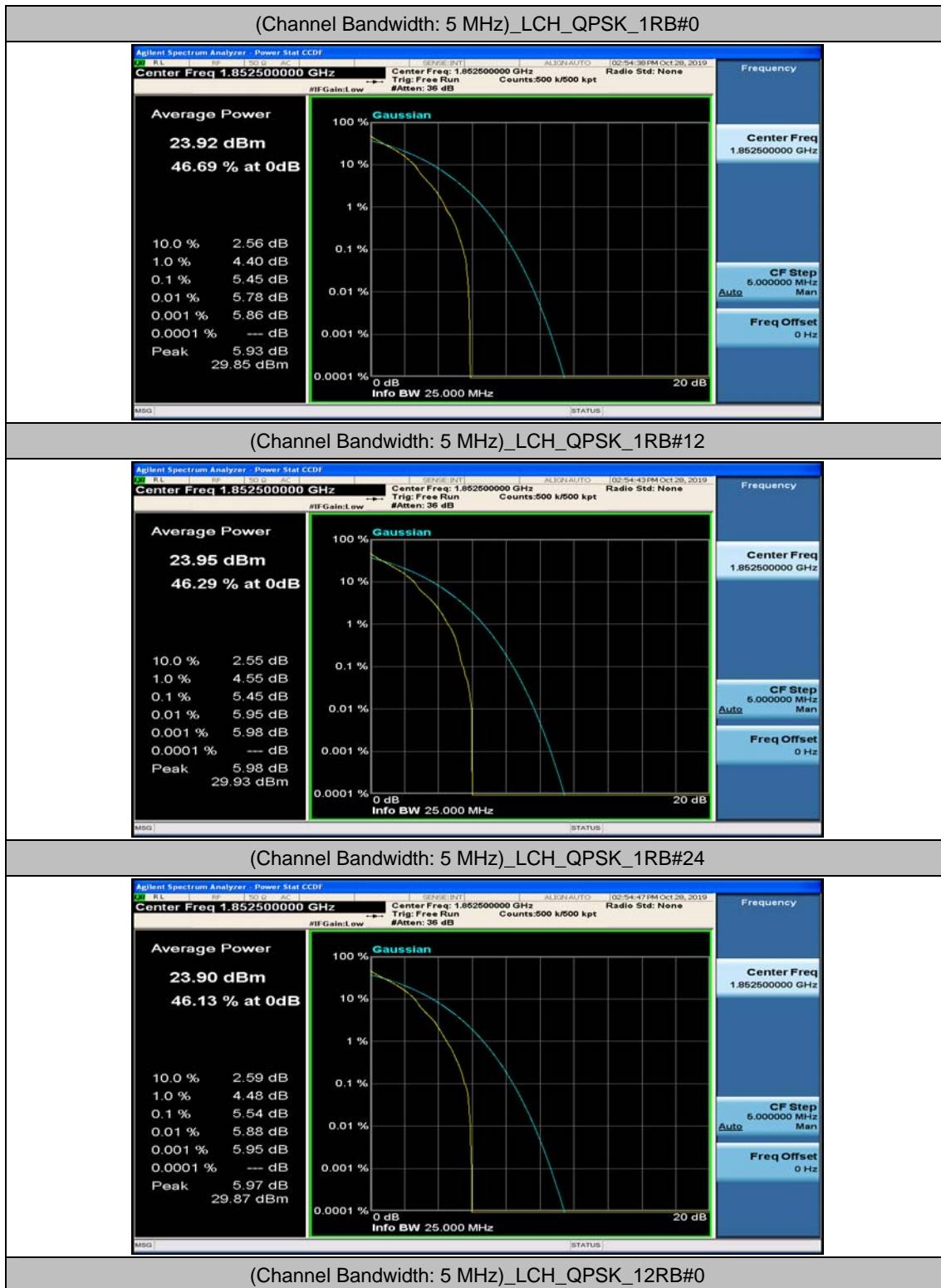


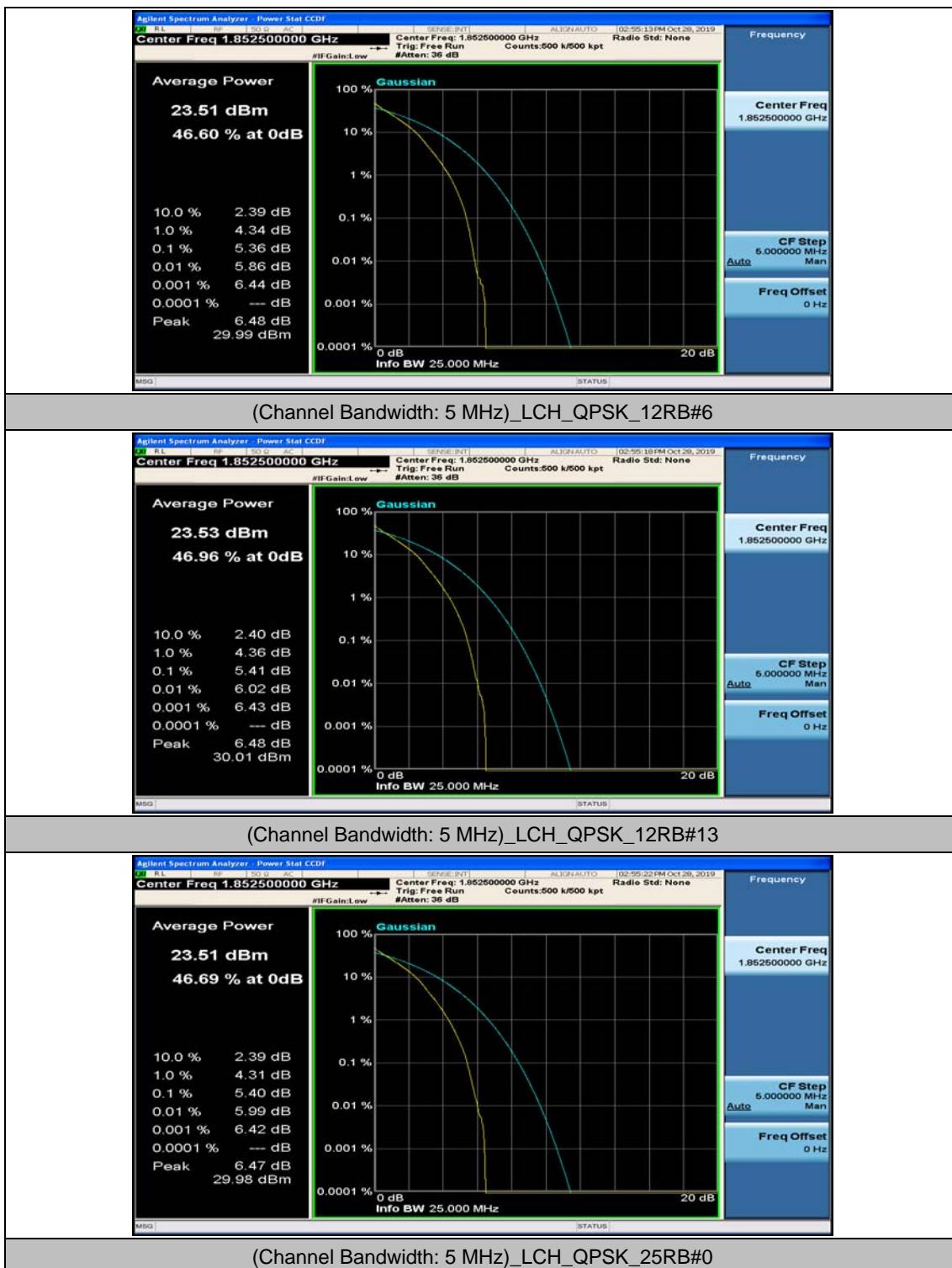


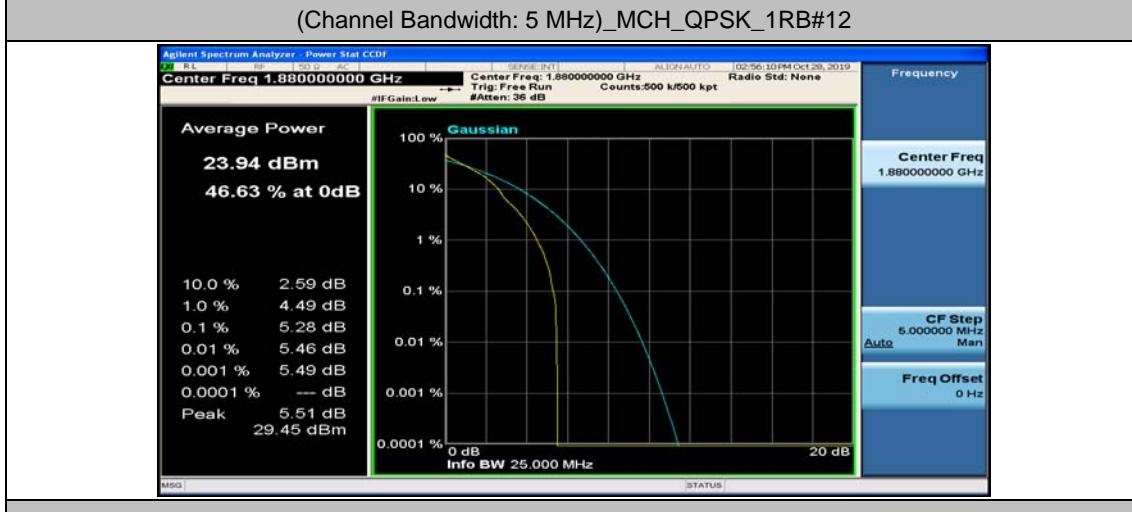
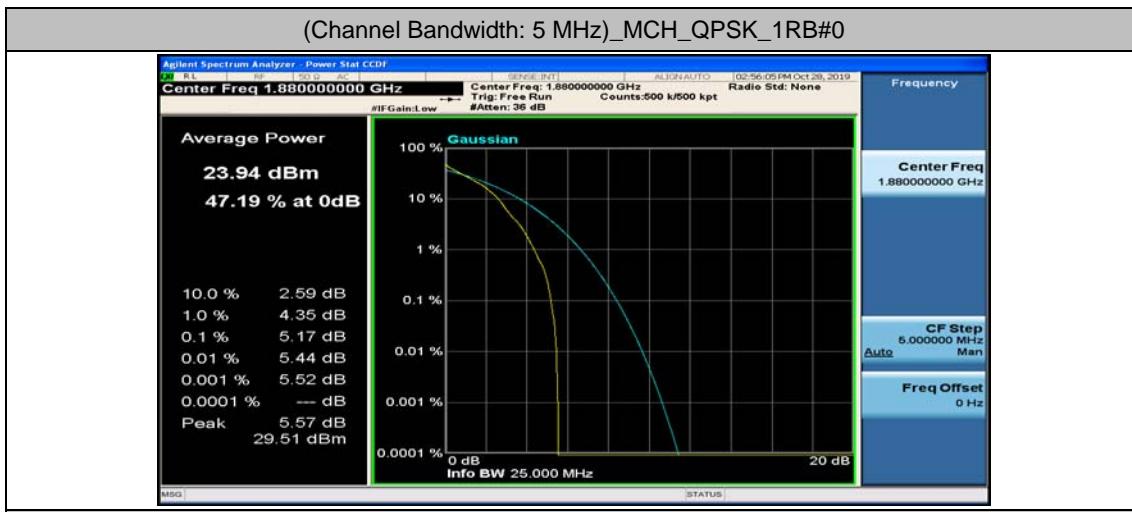
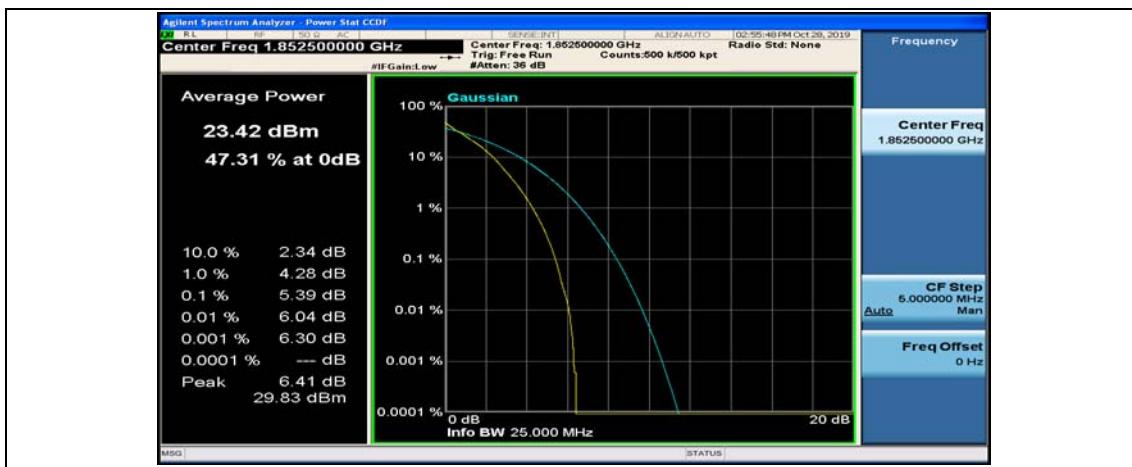




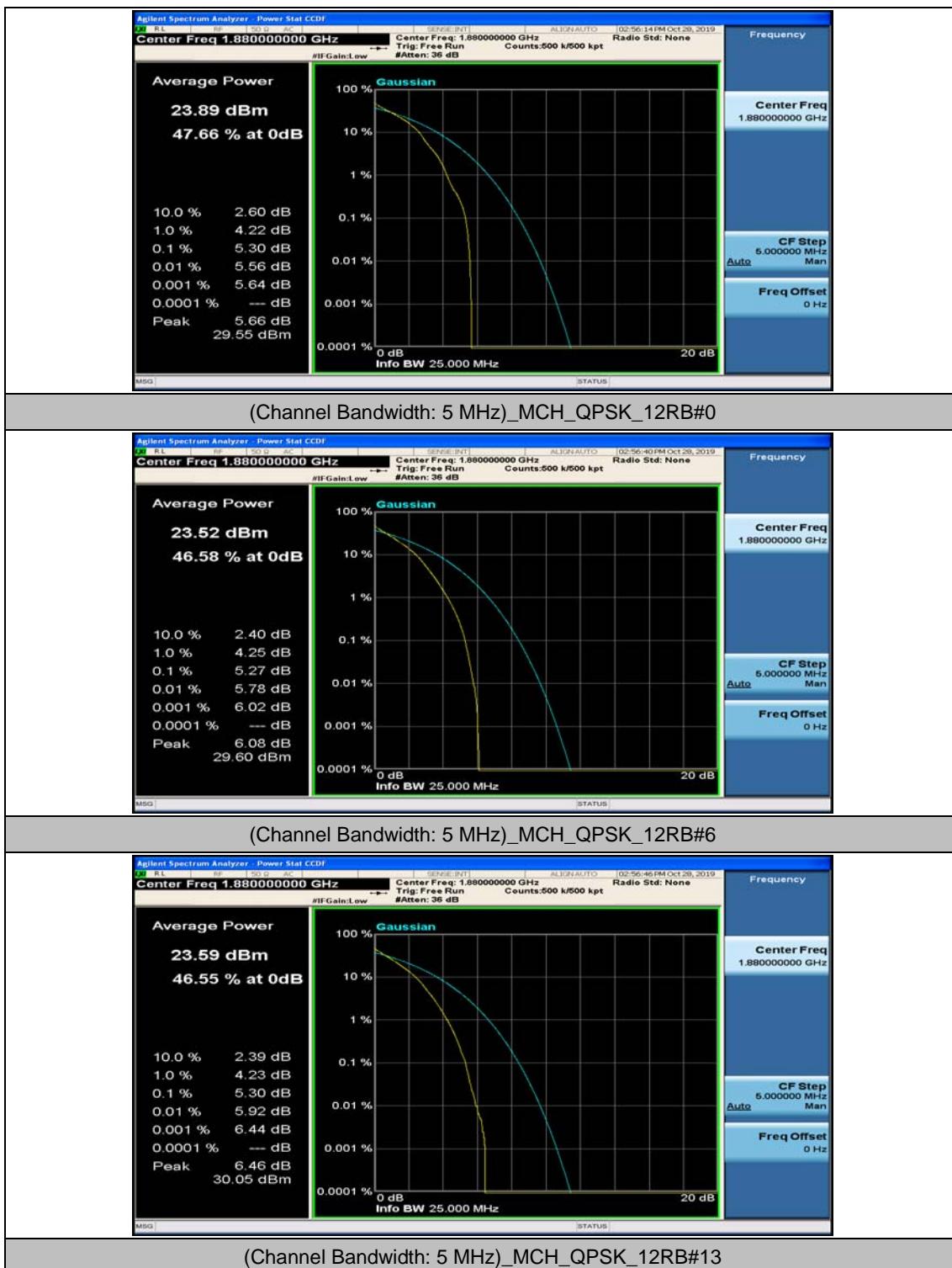
Channel Bandwidth: 5 MHz

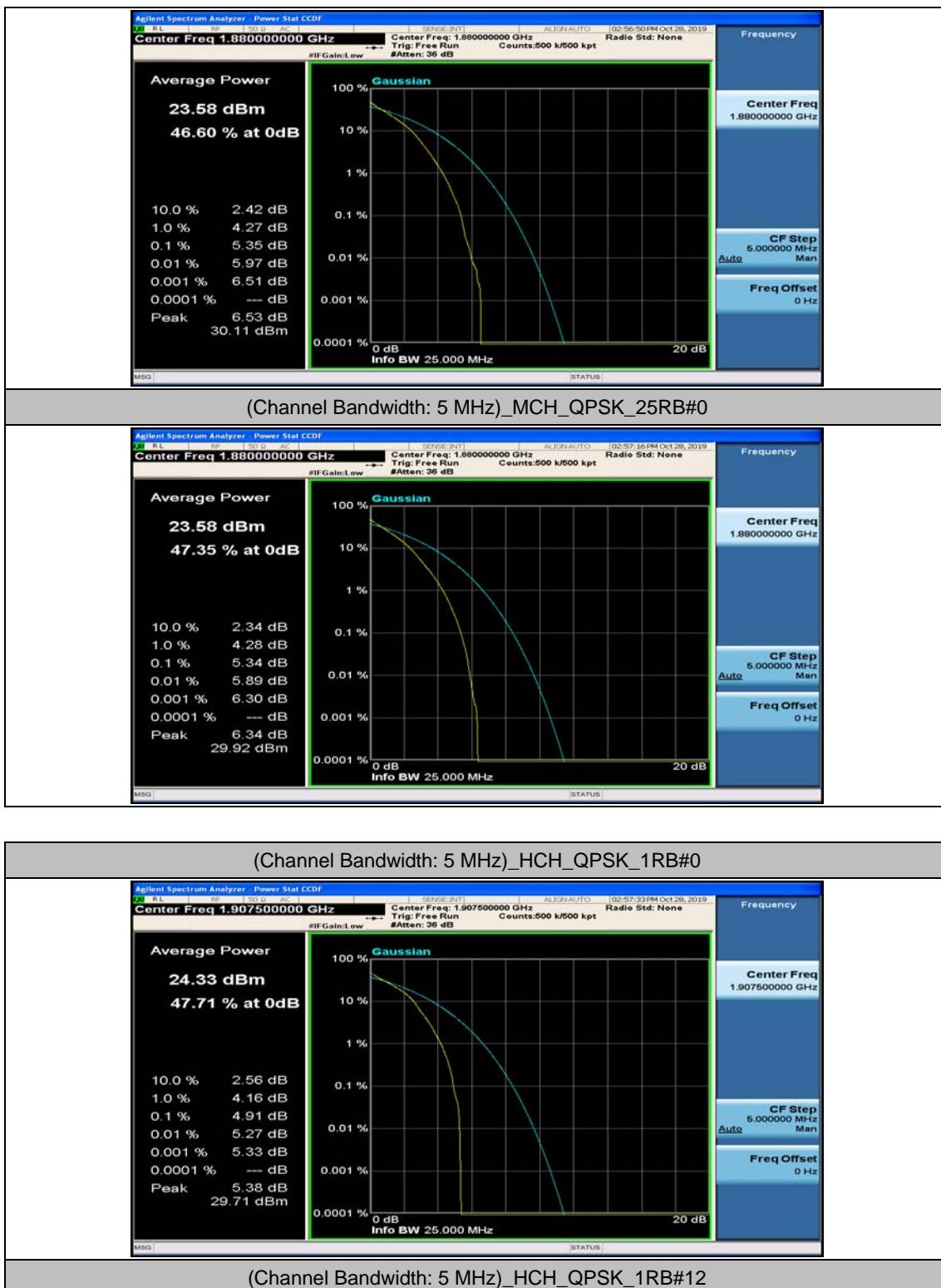


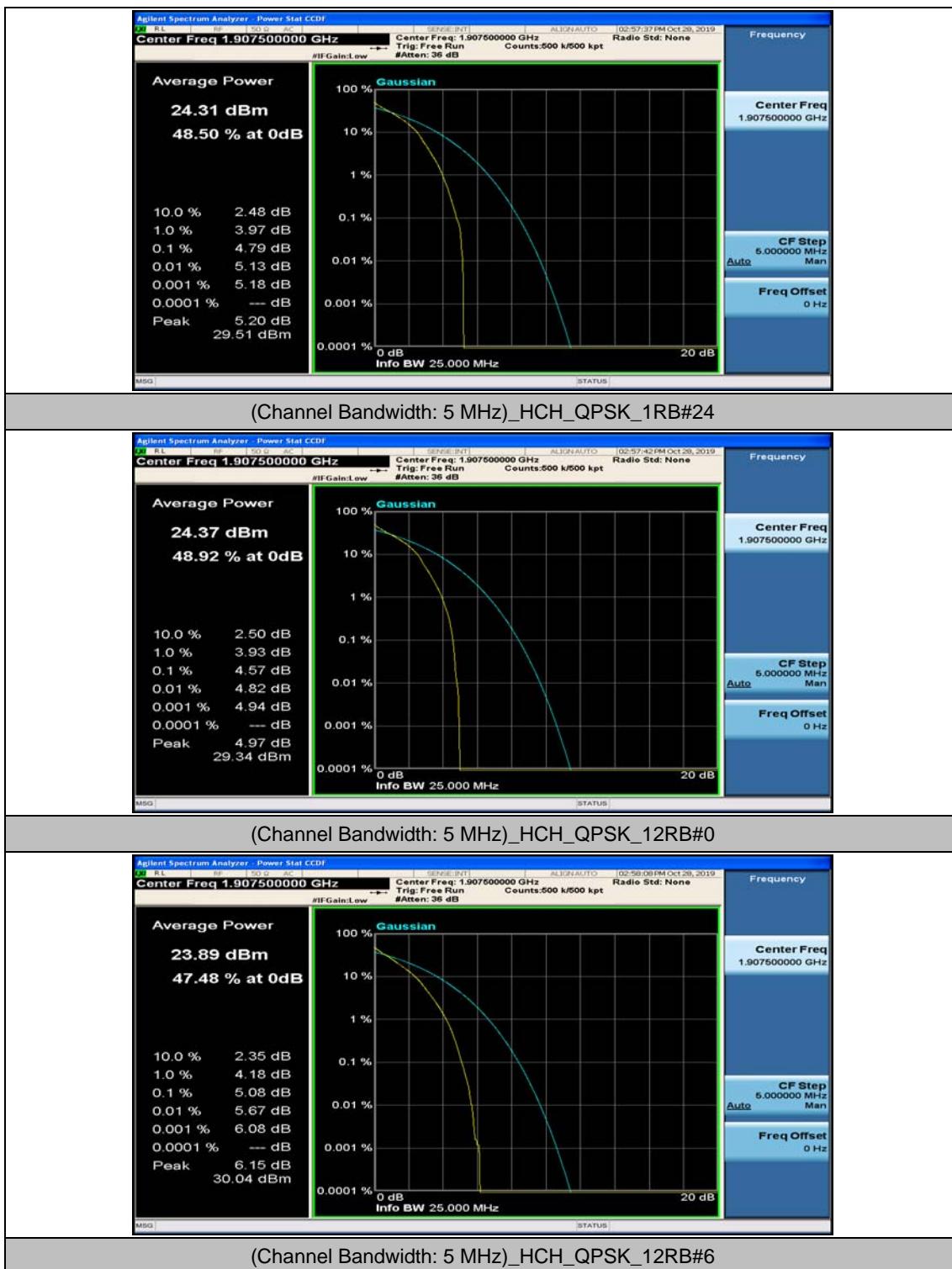


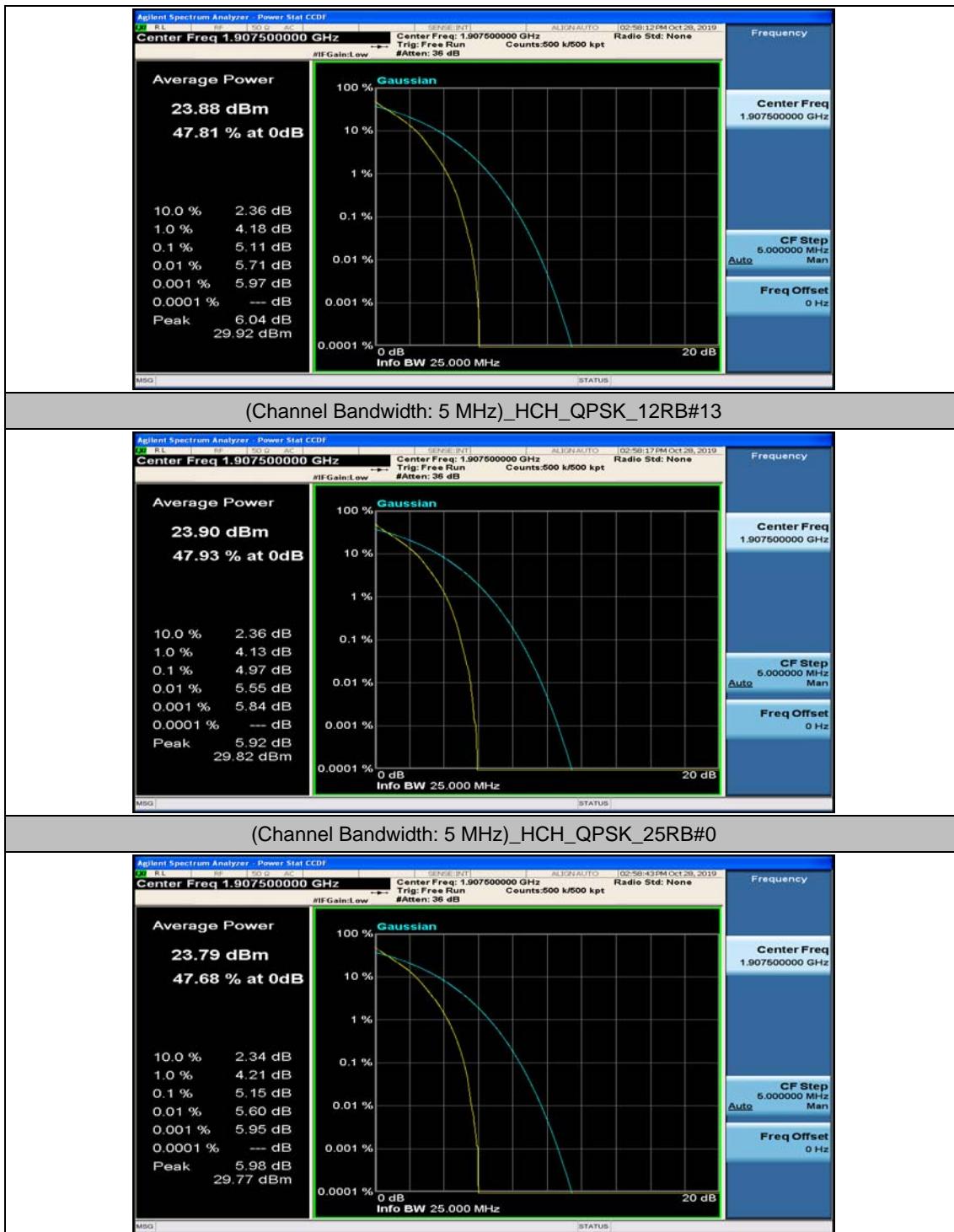


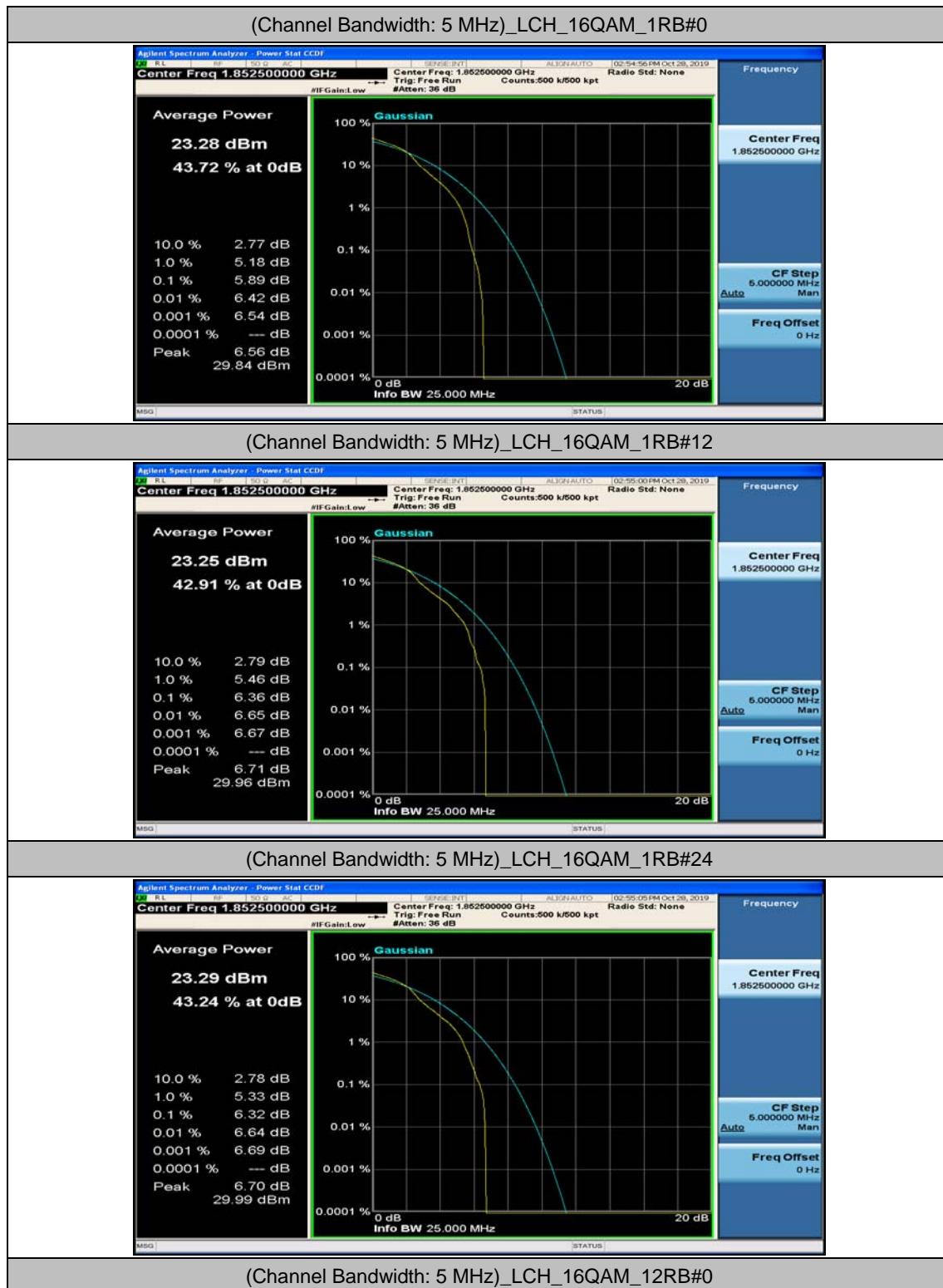
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

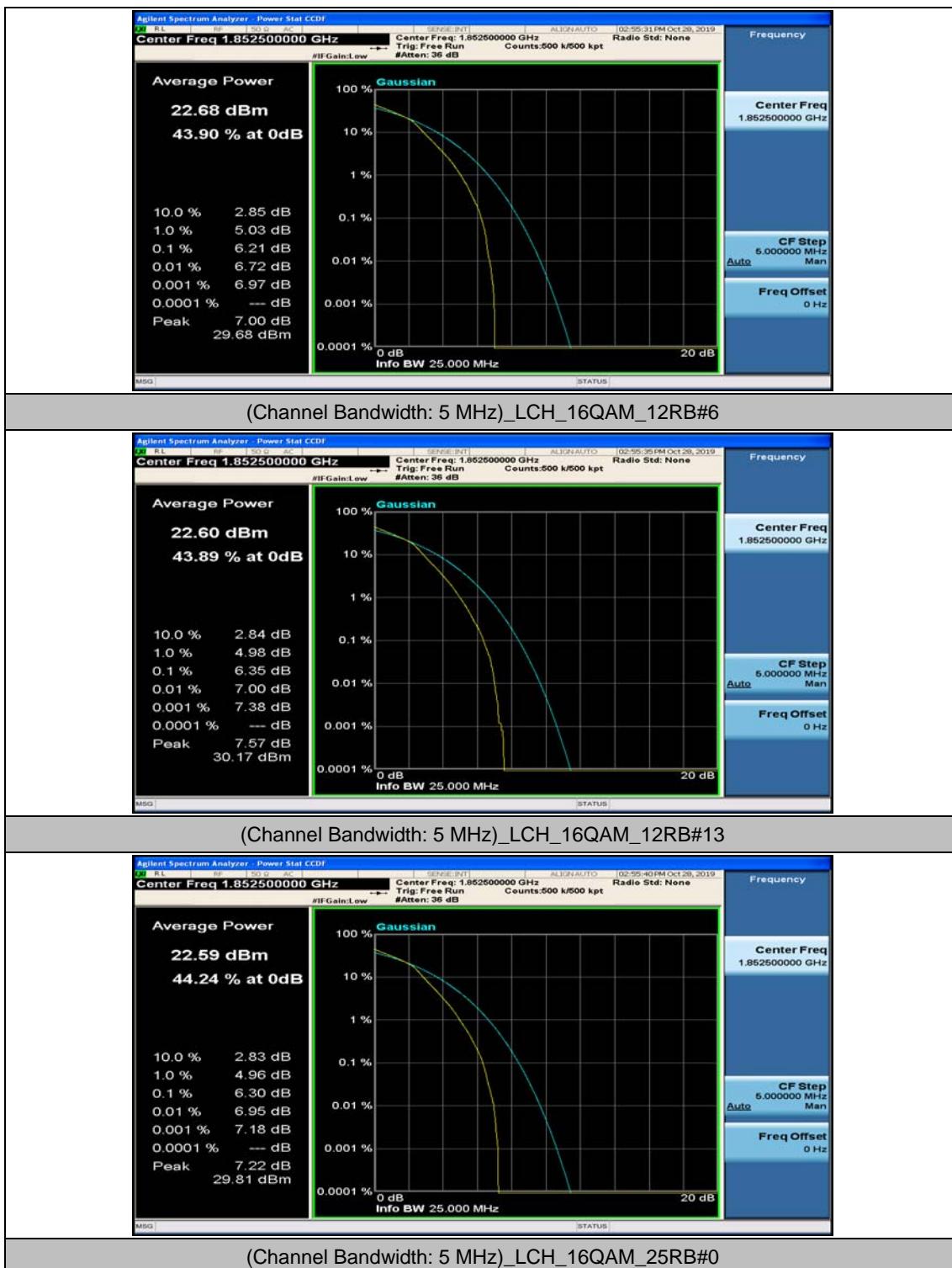


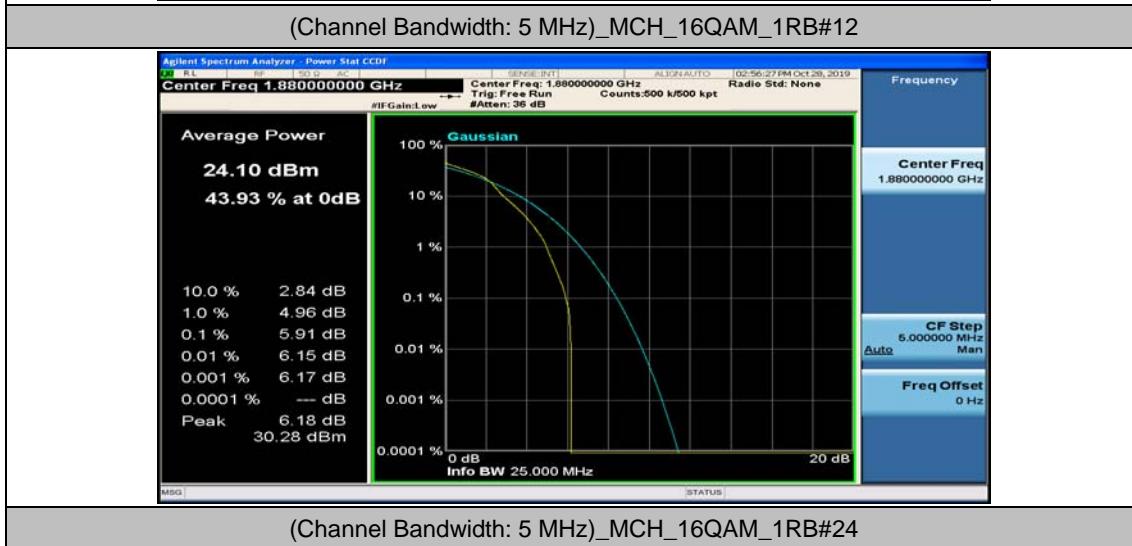
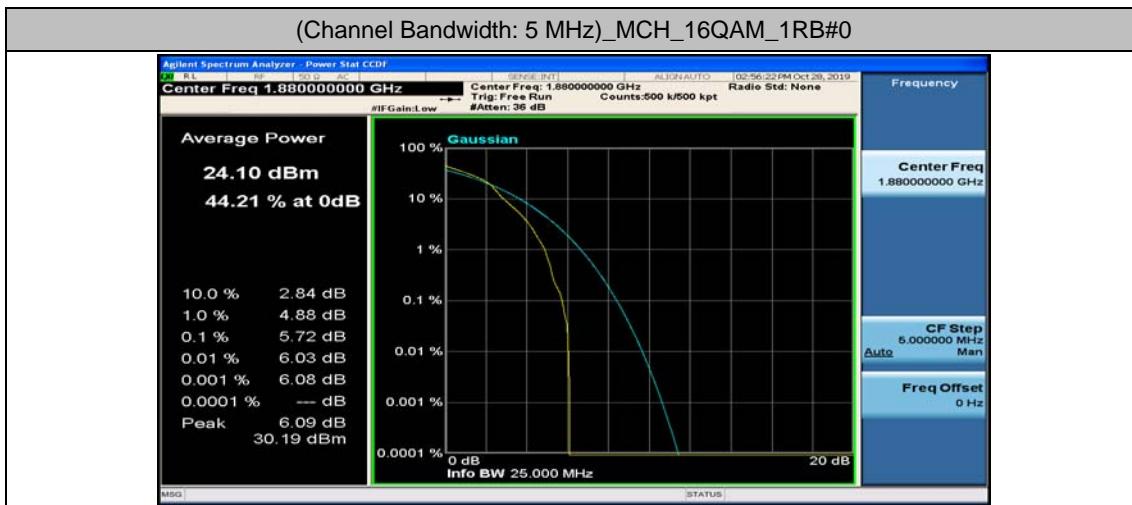
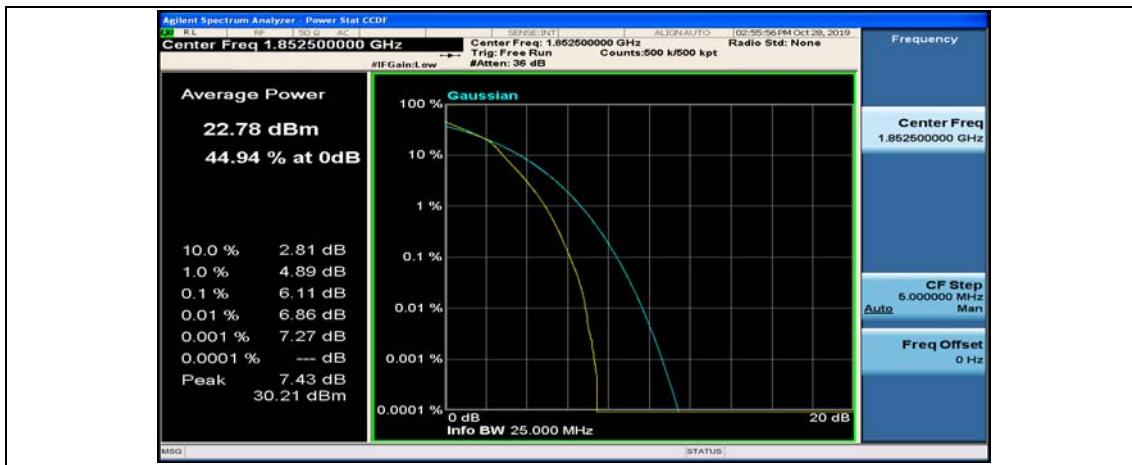












(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

