

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	21.69	PASS
		1	3	21.78	PASS
		1	5	21.72	PASS
		3	0	21.27	PASS
		3	2	21.27	PASS
		3	3	21.31	PASS
		6	0	20.25	PASS
	MCH	1	0	22.12	PASS
		1	3	22.24	PASS
		1	5	22.17	PASS
		3	0	22.20	PASS
		3	2	22.17	PASS
		3	3	22.22	PASS
		6	0	21.14	PASS
	HCH	1	0	22.95	PASS
		1	3	23.08	PASS
		1	5	23.00	PASS
		3	0	23.04	PASS
		3	2	23.04	PASS
		3	3	23.01	PASS
		6	0	21.98	PASS
16QAM	LCH	1	0	20.96	PASS
		1	3	20.64	PASS
		1	5	20.51	PASS
		3	0	20.52	PASS
		3	2	20.44	PASS
		3	3	20.48	PASS
		6	0	19.28	PASS
	MCH	1	0	21.56	PASS
		1	3	21.72	PASS
		1	5	21.59	PASS

		3	3	21.29	PASS
		6	0	20.12	PASS
HCH	1	0	22.22	PASS	
	1	3	22.39	PASS	
	1	5	22.27	PASS	
	3	0	22.10	PASS	
	3	2	22.07	PASS	
	3	3	22.14	PASS	
	6	0	21.14	PASS	

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.16	PASS
		1	7	21.36	PASS
		1	14	21.23	PASS
		8	0	20.26	PASS
		8	4	20.28	PASS
		8	7	20.30	PASS
		15	0	20.28	PASS
	MCH	1	0	22.02	PASS
		1	7	22.25	PASS
		1	14	22.16	PASS
		8	0	21.14	PASS
		8	4	21.17	PASS
		8	7	21.20	PASS
		15	0	21.18	PASS
	HCH	1	0	22.93	PASS
		1	7	23.09	PASS
		1	14	23.01	PASS
		8	0	22.01	PASS
		8	4	22.01	PASS
		8	7	22.05	PASS
		15	0	21.99	PASS
16QAM	LCH	1	0	20.49	PASS
		1	7	20.65	PASS
		1	14	20.55	PASS
		8	0	19.39	PASS
		8	4	19.42	PASS
		8	7	19.41	PASS
		15	0	19.32	PASS
	MCH	1	0	21.34	PASS

		1	7	21.57	PASS
		1	14	21.46	PASS
		8	0	20.26	PASS
		8	4	20.31	PASS
		8	7	20.32	PASS
		15	0	20.21	PASS
	HCH	1	0	22.31	PASS
		1	7	22.46	PASS
		1	14	22.42	PASS
		8	0	21.04	PASS
		8	4	21.04	PASS
		8	7	21.07	PASS
		15	0	21.06	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.32	PASS
		1	12	21.43	PASS
		1	24	21.42	PASS
		12	0	20.37	PASS
		12	6	20.39	PASS
		12	13	20.43	PASS
		25	0	20.35	PASS
	MCH	1	0	22.09	PASS
		1	12	22.35	PASS
		1	24	22.31	PASS
		12	0	21.20	PASS
		12	6	21.25	PASS
		12	13	21.32	PASS
		25	0	21.21	PASS
	HCH	1	0	22.94	PASS
		1	12	23.11	PASS
		1	24	23.13	PASS
		12	0	21.99	PASS
		12	6	22.03	PASS
		12	13	22.08	PASS
		25	0	22.01	PASS
16QAM	LCH	1	0	20.76	PASS
		1	12	20.89	PASS
		1	24	20.87	PASS
		12	0	19.60	PASS

		12	6	19.63	PASS
		12	13	19.66	PASS
		25	0	19.45	PASS
MCH	MCH	1	0	21.53	PASS
		1	12	21.80	PASS
		1	24	21.76	PASS
		12	0	20.42	PASS
		12	6	20.49	PASS
		12	13	20.55	PASS
		25	0	20.32	PASS
HCH	HCH	1	0	22.00	PASS
		1	12	22.15	PASS
		1	24	22.17	PASS
		12	0	21.09	PASS
		12	6	21.12	PASS
		12	13	21.16	PASS
		25	0	21.08	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.38	PASS
		1	24	21.50	PASS
		1	49	21.59	PASS
		25	0	20.44	PASS
		25	12	20.51	PASS
		25	25	20.58	PASS
		50	0	20.51	PASS
	MCH	1	0	21.95	PASS
		1	24	22.23	PASS
		1	49	22.42	PASS
		25	0	21.09	PASS
		25	12	21.23	PASS
		25	25	21.29	PASS
		50	0	21.21	PASS
	HCH	1	0	22.77	PASS
		1	24	22.87	PASS
		1	49	23.07	PASS
		25	0	21.81	PASS
		25	12	21.89	PASS
		25	25	21.98	PASS
		50	0	21.91	PASS

16QAM	LCH	1	0	20.74	PASS
		1	24	20.81	PASS
		1	49	20.92	PASS
		25	0	19.52	PASS
		25	12	19.59	PASS
		25	25	19.63	PASS
		50	0	19.57	PASS
	MCH	1	0	21.28	PASS
		1	24	21.55	PASS
		1	49	21.76	PASS
		25	0	20.14	PASS
		25	12	20.30	PASS
		25	25	20.38	PASS
		50	0	20.26	PASS
	HCH	1	0	22.22	PASS
		1	24	22.30	PASS
		1	49	22.49	PASS
		25	0	20.89	PASS
		25	12	20.96	PASS
		25	25	21.05	PASS
		50	0	21.00	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.41	PASS
		1	37	21.63	PASS
		1	74	21.81	PASS
		37	0	20.52	PASS
		37	18	20.60	PASS
		37	38	20.75	PASS
		75	0	20.66	PASS
	MCH	1	0	21.84	PASS
		1	37	22.35	PASS
		1	74	22.54	PASS
		37	0	21.04	PASS
		37	18	21.28	PASS
		37	38	21.41	PASS
		75	0	21.24	PASS
	HCH	1	0	22.58	PASS
		1	37	22.92	PASS
		1	74	23.06	PASS

		37	0	21.77	PASS
		37	18	21.90	PASS
		37	38	22.01	PASS
		75	0	21.91	PASS
16QAM	LCH	1	0	20.74	PASS
		1	37	20.96	PASS
		1	74	21.13	PASS
		37	0	19.55	PASS
		37	18	19.64	PASS
		37	38	19.76	PASS
		75	0	19.68	PASS
	MCH	1	0	21.17	PASS
		1	37	21.68	PASS
		1	74	21.85	PASS
		37	0	20.08	PASS
		37	18	20.31	PASS
		37	38	20.43	PASS
		75	0	20.28	PASS
	HCH	1	0	21.96	PASS
		1	37	22.27	PASS
		1	74	22.39	PASS
		37	0	20.84	PASS
		37	18	20.96	PASS
		37	38	21.05	PASS
		75	0	20.92	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.54	PASS
		1	49	21.72	PASS
		1	99	22.22	PASS
		50	0	20.56	PASS
		50	25	20.68	PASS
		50	50	20.87	PASS
		100	0	20.73	PASS
	MCH	1	0	21.89	PASS
		1	49	22.39	PASS
		1	99	22.82	PASS
		50	0	21.04	PASS
		50	25	21.26	PASS
		50	50	21.49	PASS

		100	0	21.23	PASS
HCH	HCH	1	0	22.48	PASS
		1	49	22.80	PASS
		1	99	23.17	PASS
		50	0	23.01	PASS
		50	25	23.03	PASS
		50	50	23.02	PASS
		100	0	22.00	PASS
16QAM	LCH	1	0	20.79	PASS
		1	49	20.94	PASS
		1	99	21.44	PASS
		50	0	19.61	PASS
		50	25	19.70	PASS
		50	50	19.89	PASS
		100	0	19.75	PASS
	MCH	1	0	21.11	PASS
		1	49	21.60	PASS
		1	99	22.03	PASS
		50	0	20.04	PASS
		50	25	20.30	PASS
		50	50	20.51	PASS
		100	0	20.28	PASS
	HCH	1	0	21.89	PASS
		1	49	22.21	PASS
		1	99	22.55	PASS
		50	0	20.71	PASS
		50	25	20.88	PASS
		50	50	21.01	PASS
		100	0	20.80	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	5.59	<13	PASS
		1	3	5.61	<13	PASS
		1	5	5.72	<13	PASS
		3	0	5.81	<13	PASS
		3	2	5.78	<13	PASS
		3	3	5.65	<13	PASS
		6	0	6.1	<13	PASS
	MCH	1	0	5.34	<13	PASS
		1	3	5.35	<13	PASS
		1	5	5.32	<13	PASS
		3	0	5.71	<13	PASS
		3	2	5.76	<13	PASS
		3	3	5.72	<13	PASS
		6	0	6	<13	PASS
16QAM	LCH	1	0	4.85	<13	PASS
		1	3	4.86	<13	PASS
		1	5	4.91	<13	PASS
		3	0	5.04	<13	PASS
		3	2	5.03	<13	PASS
		3	3	5.06	<13	PASS
		6	0	5.53	<13	PASS
	MCH	1	0	6.63	<13	PASS
		1	3	6.59	<13	PASS
		1	5	6.58	<13	PASS
		3	0	6.86	<13	PASS
		3	2	6.96	<13	PASS
		3	3	6.97	<13	PASS
		6	0	6.98	<13	PASS

		3	2	6.69	<13	PASS
		3	3	6.66	<13	PASS
		6	0	6.91	<13	PASS
HCH		1	0	5.7	<13	PASS
		1	3	5.68	<13	PASS
		1	5	5.77	<13	PASS
		3	0	5.87	<13	PASS
		3	2	5.75	<13	PASS
		3	3	5.66	<13	PASS
		6	0	6.24	<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	5.93	<13	PASS
		1	7	5.71	<13	PASS
		1	14	5.67	<13	PASS
		8	0	6.1	<13	PASS
		8	4	6.07	<13	PASS
		8	7	6.01	<13	PASS
		15	0	6.06	<13	PASS
	MCH	1	0	5.65	<13	PASS
		1	7	5.71	<13	PASS
		1	14	5.76	<13	PASS
		8	0	6.03	<13	PASS
		8	4	6.06	<13	PASS
		8	7	6.13	<13	PASS
		15	0	6.1	<13	PASS
	HCH	1	0	4.67	<13	PASS
		1	7	4.71	<13	PASS
		1	14	4.69	<13	PASS
		8	0	5.49	<13	PASS
		8	4	5.49	<13	PASS
		8	7	5.51	<13	PASS
		15	0	5.54	<13	PASS
16QAM	LCH	1	0	6.81	<13	PASS
		1	7	6.72	<13	PASS
		1	14	6.72	<13	PASS
		8	0	6.71	<13	PASS
		8	4	6.65	<13	PASS

		8	7	6.67	<13	PASS
		15	0	6.99	<13	PASS
MCH		1	0	6.66	<13	PASS
		1	7	6.58	<13	PASS
		1	14	6.47	<13	PASS
		8	0	6.62	<13	PASS
		8	4	6.69	<13	PASS
		8	7	6.7	<13	PASS
		15	0	6.95	<13	PASS
HCH		1	0	5.63	<13	PASS
		1	7	5.59	<13	PASS
		1	14	5.64	<13	PASS
		8	0	6.09	<13	PASS
		8	4	6.16	<13	PASS
		8	7	6.11	<13	PASS
		15	0	6.37	<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	5.3	<13	PASS
		1	12	5.46	<13	PASS
		1	24	5.34	<13	PASS
		12	0	6.04	<13	PASS
		12	6	6.03	<13	PASS
		12	13	5.96	<13	PASS
		25	0	6.01	<13	PASS
	MCH	1	0	5.32	<13	PASS
		1	12	5.31	<13	PASS
		1	24	5.47	<13	PASS
		12	0	5.96	<13	PASS
		12	6	5.95	<13	PASS
		12	13	6	<13	PASS
		25	0	6.05	<13	PASS
	HCH	1	0	4.86	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.94	<13	PASS
		12	0	5.46	<13	PASS
		12	6	5.5	<13	PASS
		12	13	5.56	<13	PASS

		25	0	5.51	<13	PASS
16QAM	LCH	1	0	6.35	<13	PASS
		1	12	6.37	<13	PASS
		1	24	6.03	<13	PASS
		12	0	6.9	<13	PASS
		12	6	6.63	<13	PASS
		12	13	6.71	<13	PASS
		25	0	6.76	<13	PASS
	MCH	1	0	6.21	<13	PASS
		1	12	6.21	<13	PASS
		1	24	6.35	<13	PASS
		12	0	6.73	<13	PASS
		12	6	6.81	<13	PASS
		12	13	6.82	<13	PASS
		25	0	6.81	<13	PASS
	HCH	1	0	5.59	<13	PASS
		1	12	5.51	<13	PASS
		1	24	5.44	<13	PASS
		12	0	6.44	<13	PASS
		12	6	6.54	<13	PASS
		12	13	6.38	<13	PASS
		25	0	6.31	<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	5.66	<13	PASS
		1	24	5.33	<13	PASS
		1	49	5.12	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.78	<13	PASS
	MCH	1	0	5.34	<13	PASS
		1	24	5.61	<13	PASS
		1	49	5.73	<13	PASS
		25	0	5.91	<13	PASS
		25	12	5.93	<13	PASS
		25	25	5.93	<13	PASS
		50	0	5.9	<13	PASS

		1	0	4.9	<13	PASS
	HCH	1	24	4.79	<13	PASS
		1	49	4.63	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.52	<13	PASS
		25	25	5.42	<13	PASS
		50	0	5.47	<13	PASS
		1	0	6.59	<13	PASS
	LCH	1	24	6.42	<13	PASS
		1	49	6.06	<13	PASS
		25	0	6.83	<13	PASS
		25	12	6.76	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.52	<13	PASS
		1	0	6.36	<13	PASS
	MCH	1	24	6.82	<13	PASS
		1	49	6.67	<13	PASS
		25	0	6.7	<13	PASS
		25	12	6.8	<13	PASS
		25	25	6.72	<13	PASS
		50	0	6.59	<13	PASS
		1	0	6.05	<13	PASS
	HCH	1	24	5.66	<13	PASS
		1	49	5.65	<13	PASS
		25	0	6.48	<13	PASS
		25	12	6.35	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.23	<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	5.57	<13	PASS
		1	37	5.19	<13	PASS
		1	74	5.2	<13	PASS
		37	0	5.8	<13	PASS
		37	18	5.63	<13	PASS
		37	38	5.56	<13	PASS
		75	0	5.97	<13	PASS
	MCH	1	0	5.22	<13	PASS

	16QAM	HCH	1	37	5.71	<13	PASS
			1	74	5.6	<13	PASS
			37	0	5.8	<13	PASS
			37	18	5.88	<13	PASS
			37	38	5.93	<13	PASS
			75	0	6.16	<13	PASS
		LCH	1	0	5.55	<13	PASS
			1	37	5.04	<13	PASS
			1	74	4.87	<13	PASS
			37	0	5.71	<13	PASS
			37	18	5.52	<13	PASS
			37	38	5.4	<13	PASS
			75	0	5.85	<13	PASS
		MCH	1	0	6.7	<13	PASS
			1	37	6.15	<13	PASS
			1	74	6.05	<13	PASS
			37	0	6.66	<13	PASS
			37	18	6.47	<13	PASS
			37	38	6.4	<13	PASS
			75	0	6.51	<13	PASS
		HCH	1	0	6.08	<13	PASS
			1	37	6.52	<13	PASS
			1	74	6.8	<13	PASS
			37	0	6.55	<13	PASS
			37	18	6.71	<13	PASS
			37	38	6.71	<13	PASS
			75	0	6.73	<13	PASS

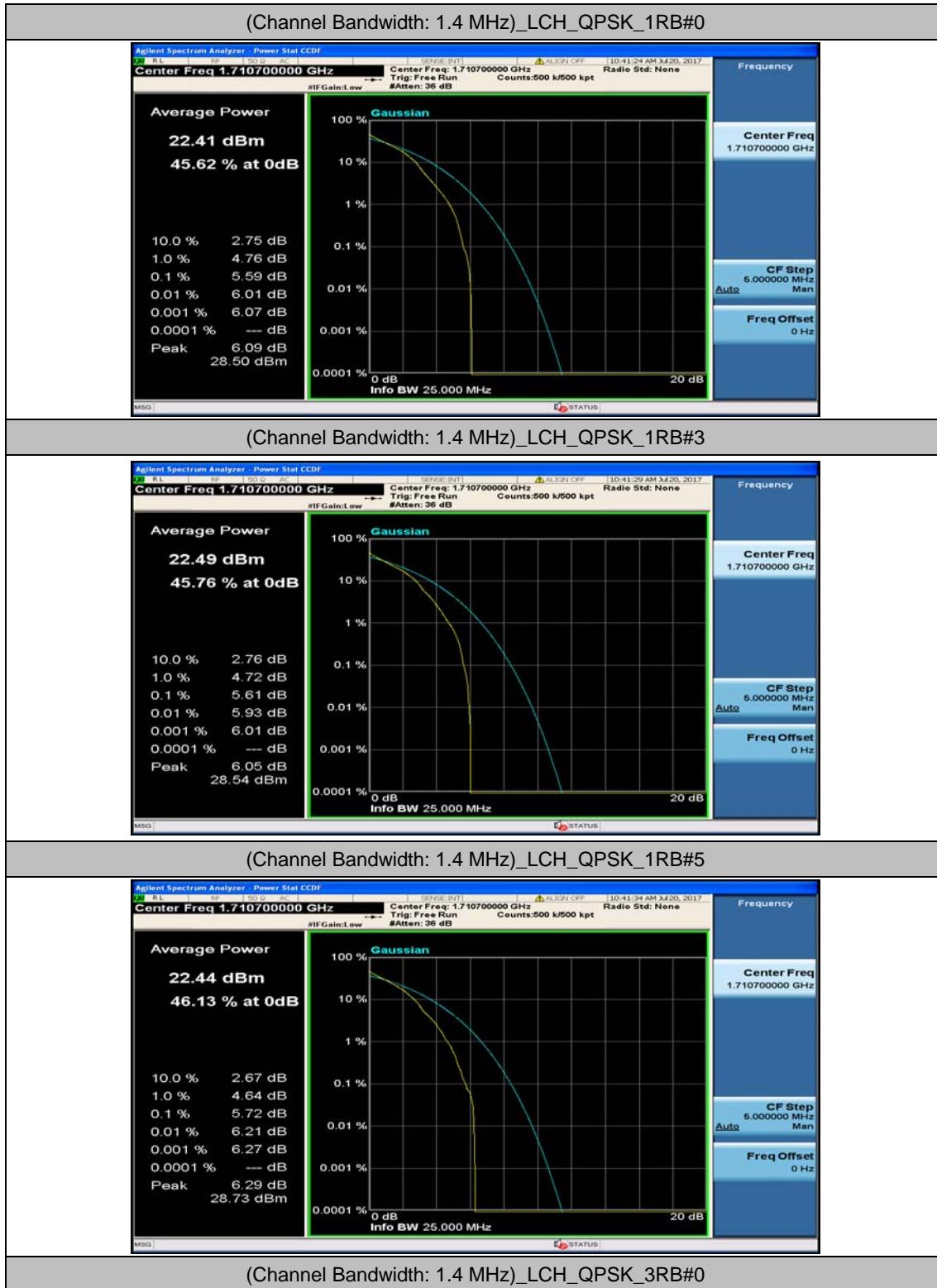
Channel Bandwidth: 20 MHz

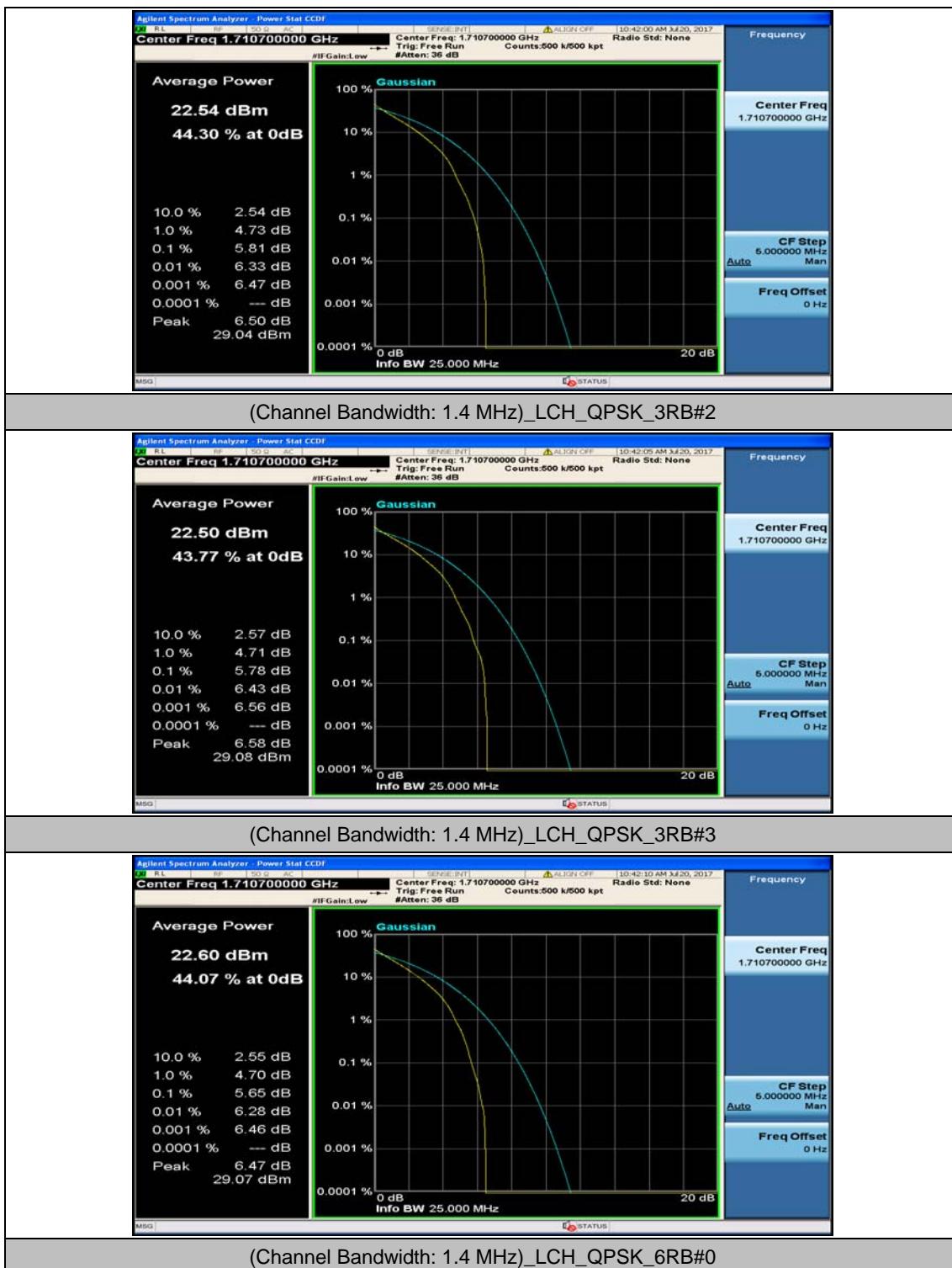
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.54	<13	PASS
		1	49	4.93	<13	PASS

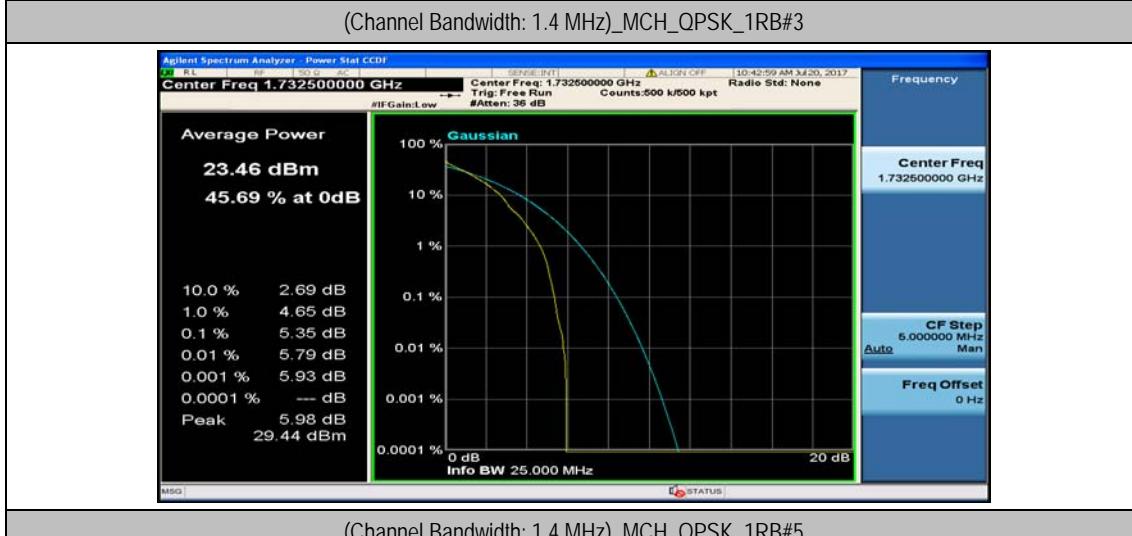
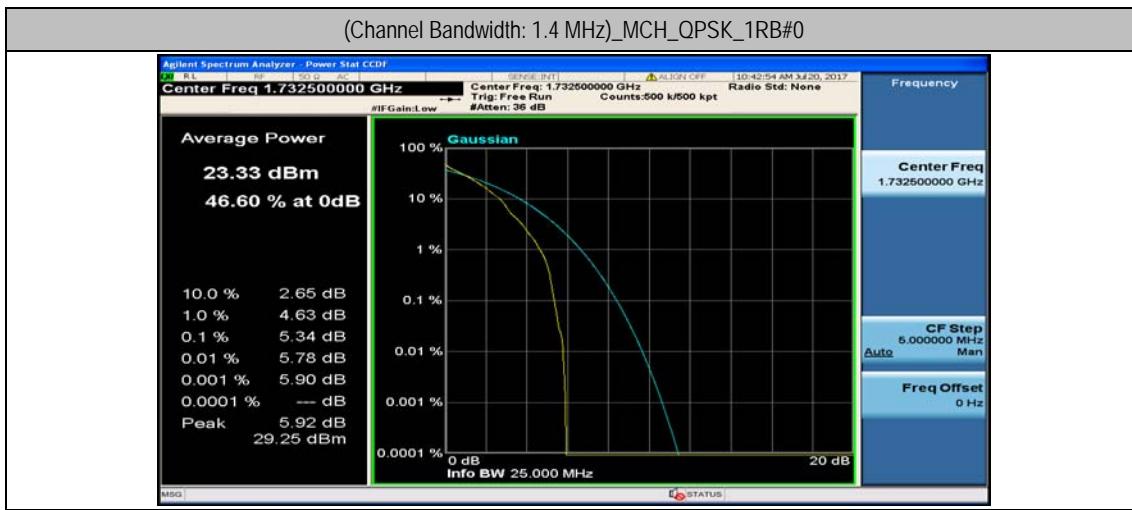
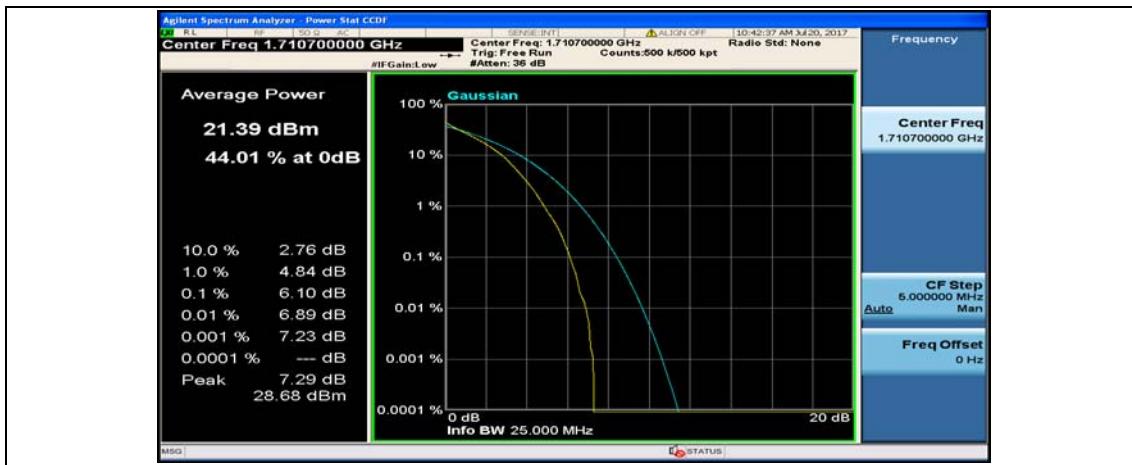
		1	99	5.3	<13	PASS
		50	0	5.73	<13	PASS
		50	25	5.6	<13	PASS
		50	50	5.6	<13	PASS
		100	0	5.64	<13	PASS
	MCH	1	0	4.97	<13	PASS
		1	49	5.61	<13	PASS
		1	99	5.53	<13	PASS
		50	0	5.74	<13	PASS
		50	25	5.89	<13	PASS
		50	50	5.91	<13	PASS
		100	0	5.88	<13	PASS
	HCH	1	0	5.76	<13	PASS
		1	49	5.31	<13	PASS
		1	99	4.91	<13	PASS
		50	0	5.85	<13	PASS
		50	25	5.65	<13	PASS
		50	50	5.52	<13	PASS
		100	0	5.69	<13	PASS
	LCH	1	0	6.63	<13	PASS
		1	49	5.97	<13	PASS
		1	99	6.43	<13	PASS
		50	0	6.54	<13	PASS
		50	25	6.37	<13	PASS
		50	50	6.38	<13	PASS
		100	0	6.44	<13	PASS
	MCH	1	0	5.95	<13	PASS
		1	49	6.66	<13	PASS
		1	99	6.48	<13	PASS
		50	0	6.54	<13	PASS
		50	25	6.67	<13	PASS
		50	50	6.63	<13	PASS
		100	0	6.68	<13	PASS
	HCH	1	0	6.39	<13	PASS
		1	49	6.17	<13	PASS
		1	99	5.66	<13	PASS
		50	0	6.6	<13	PASS
		50	25	6.46	<13	PASS
		50	50	6.28	<13	PASS
		100	0	6.48	<13	PASS

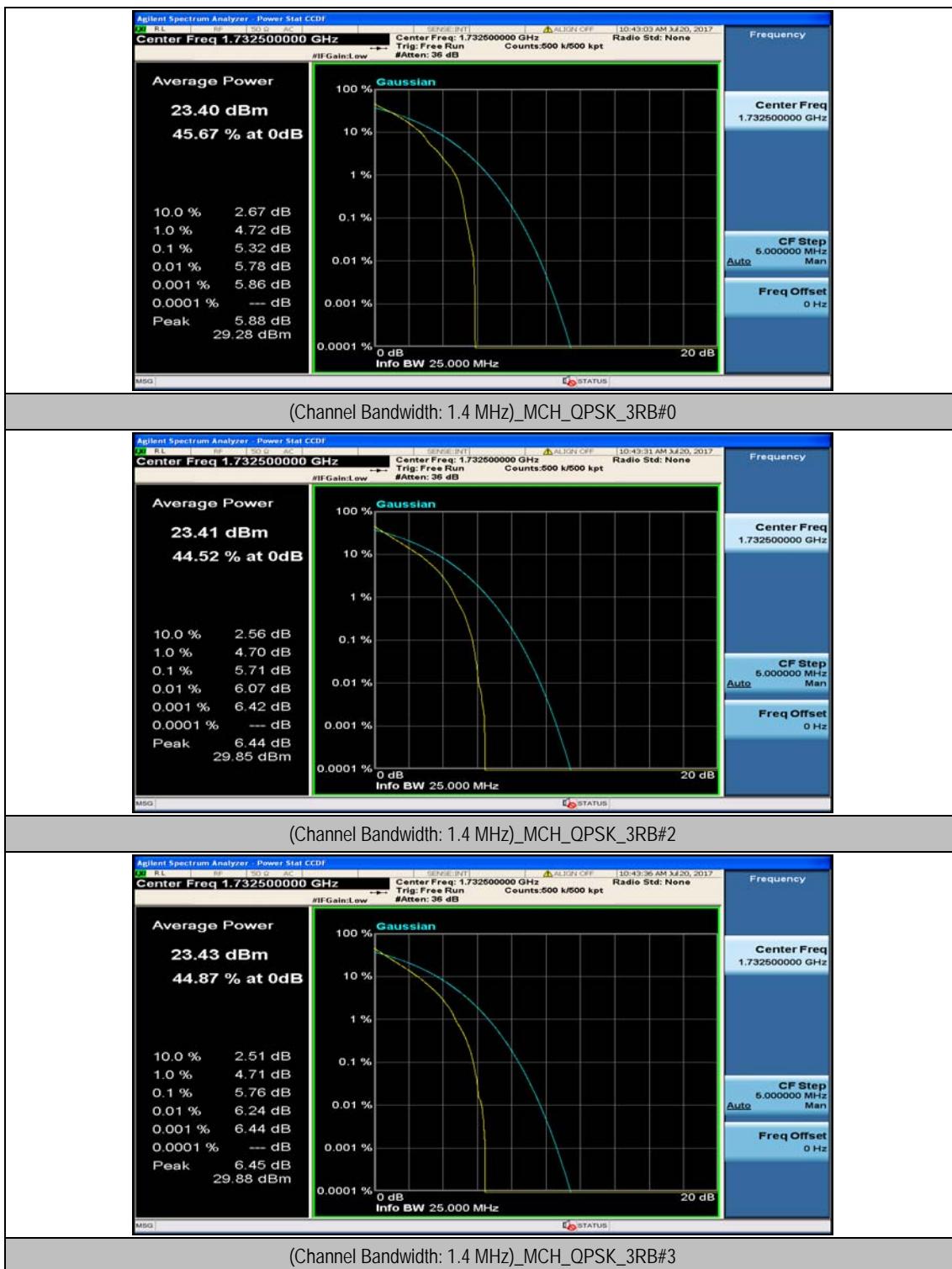
Test Graphs

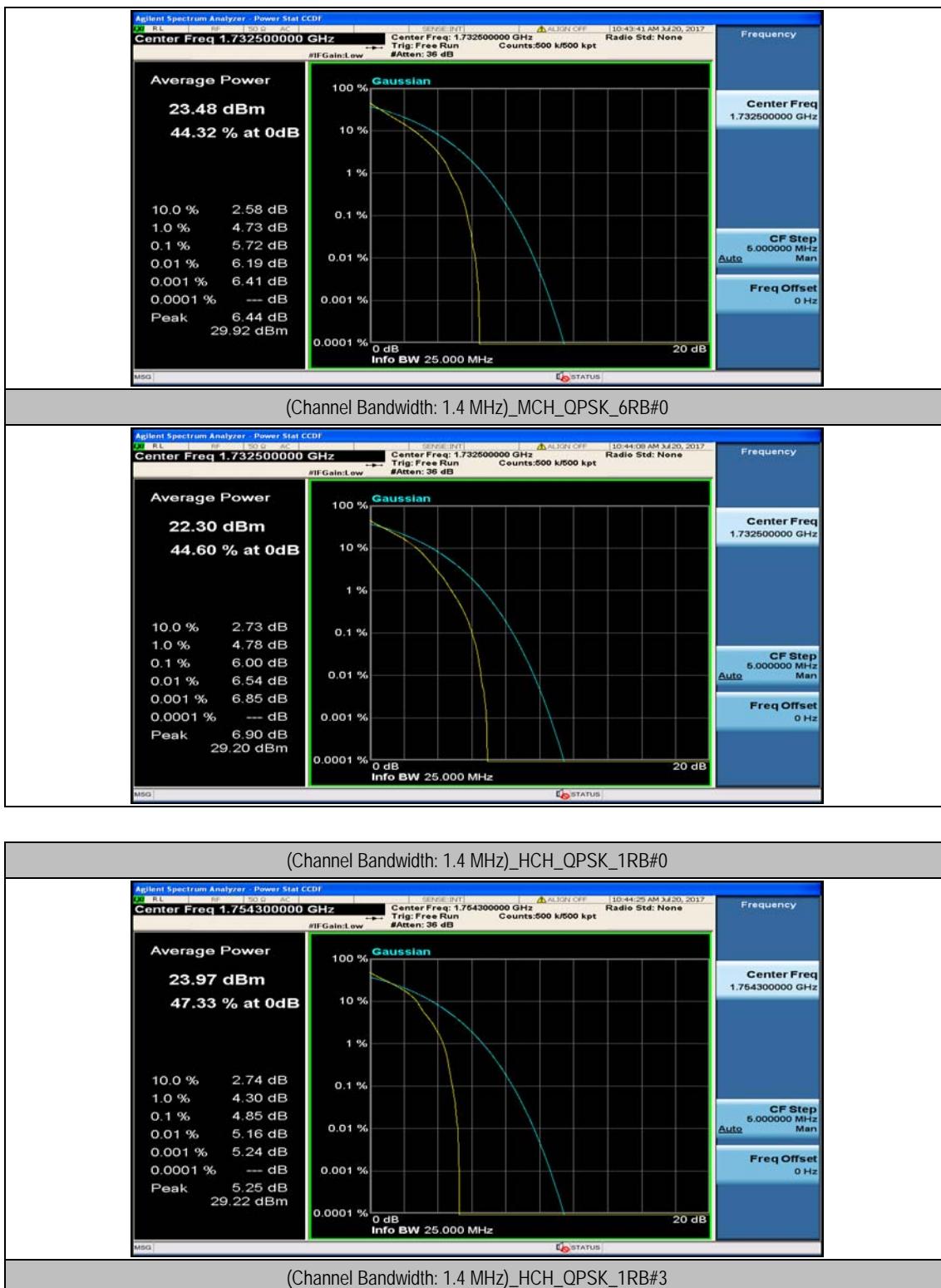
Channel Bandwidth: 1.4 MHz

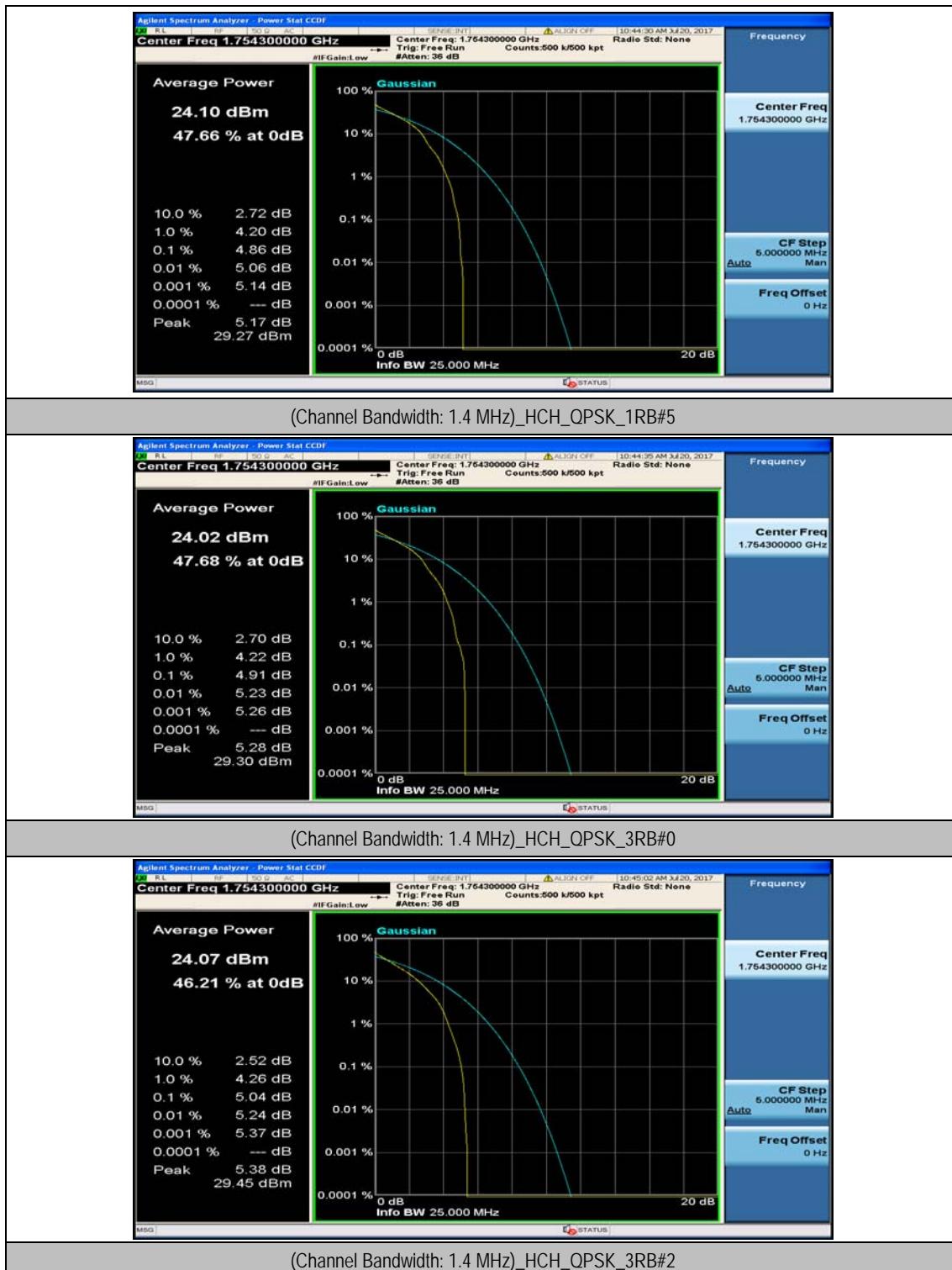


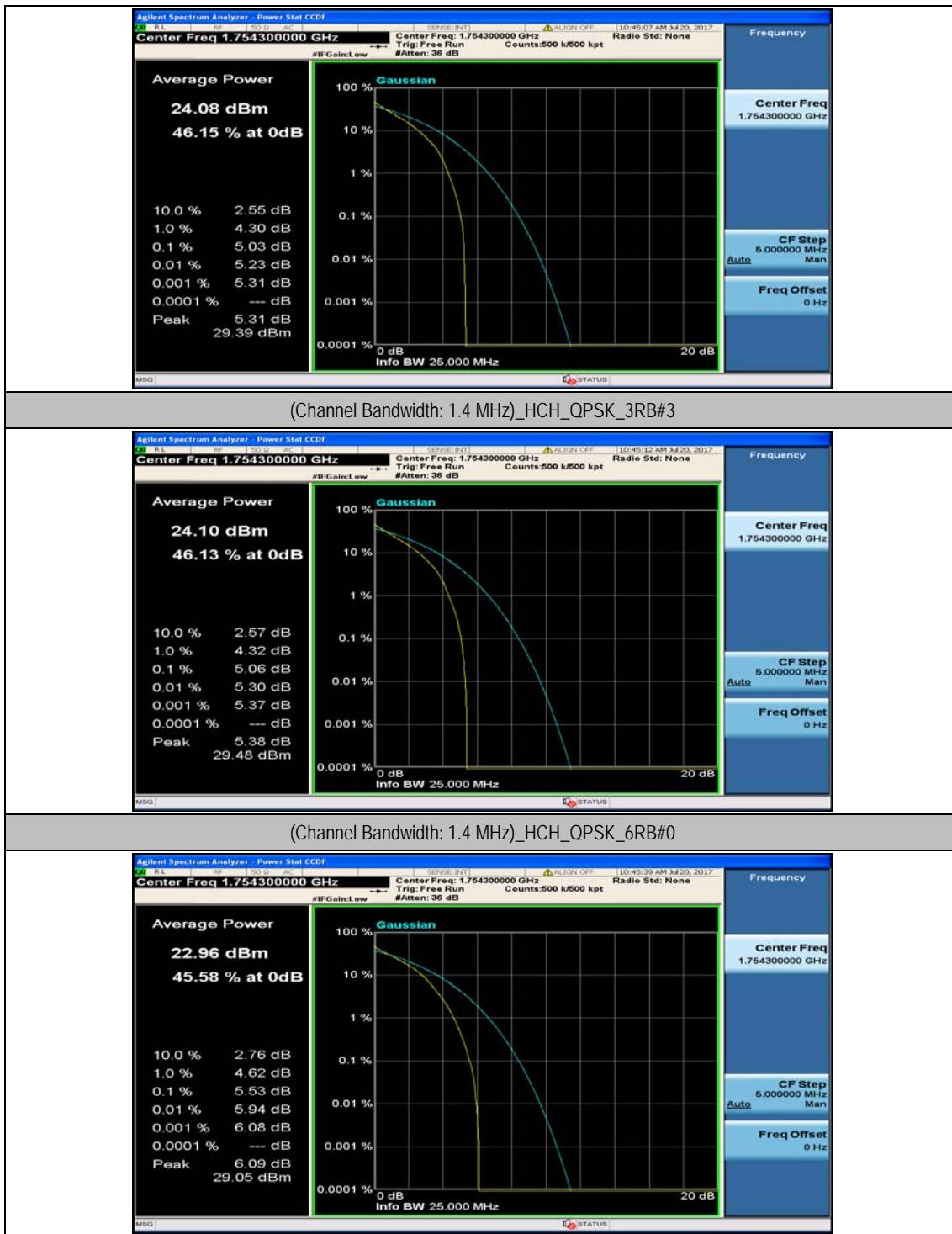


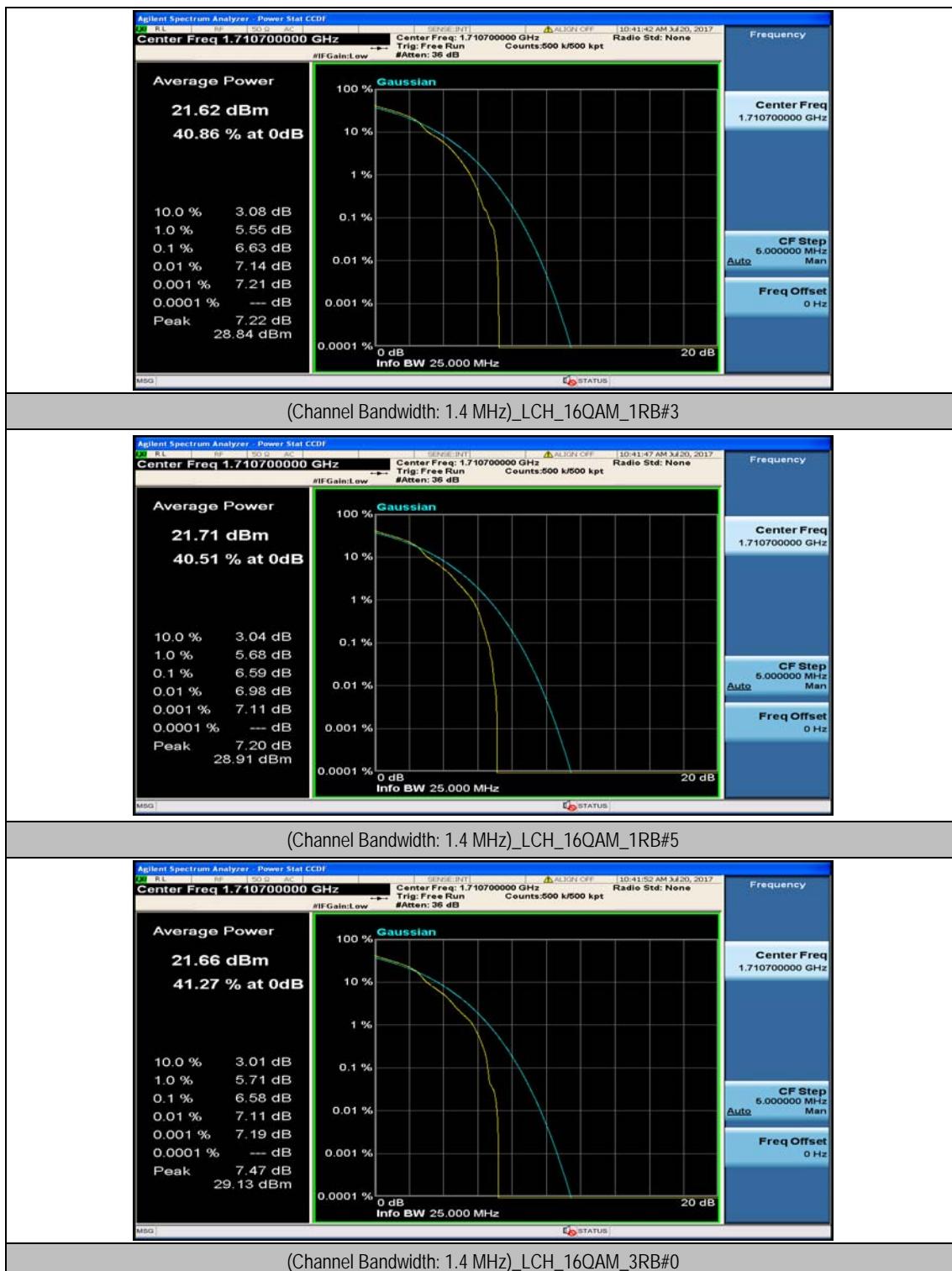


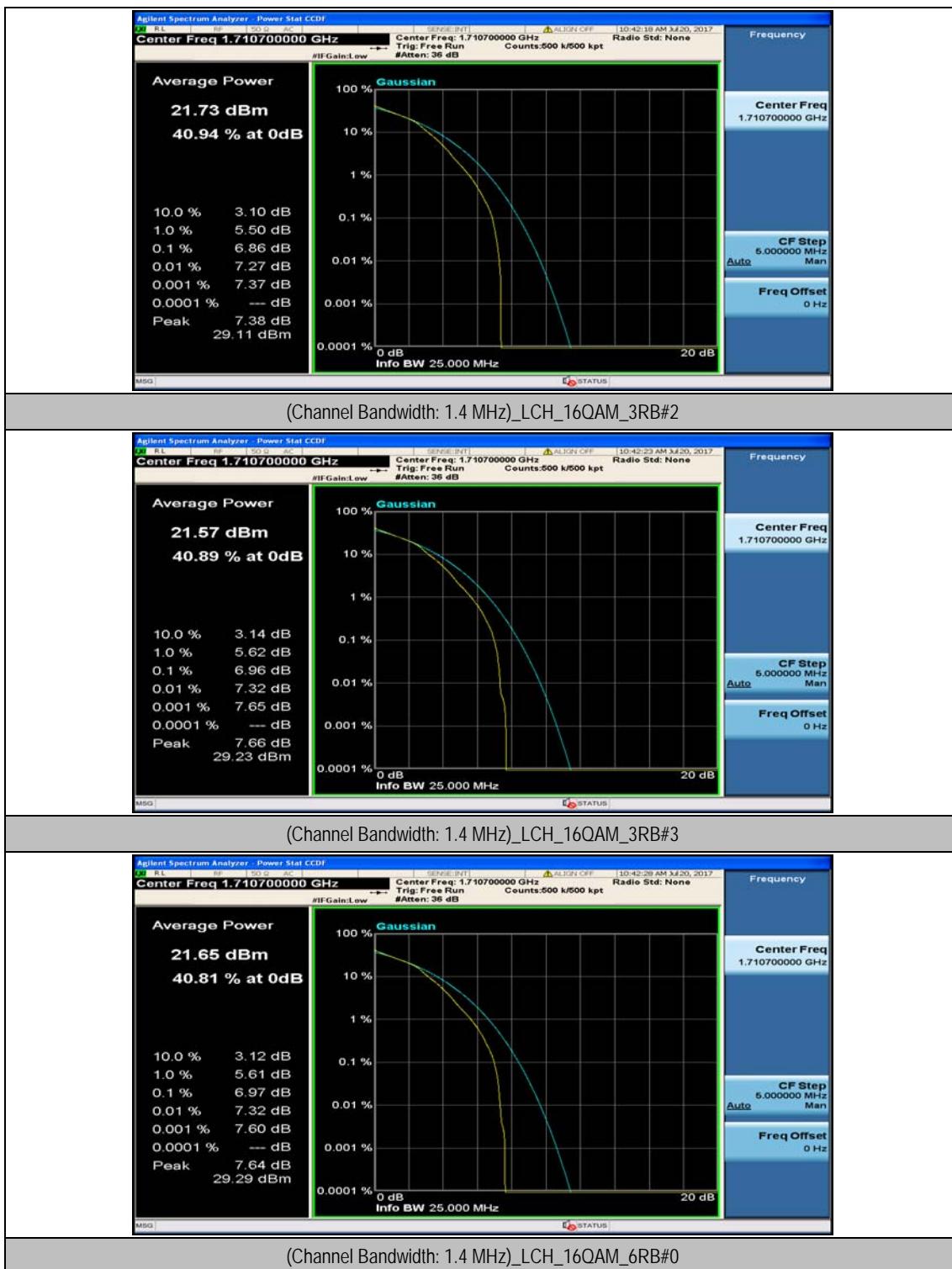


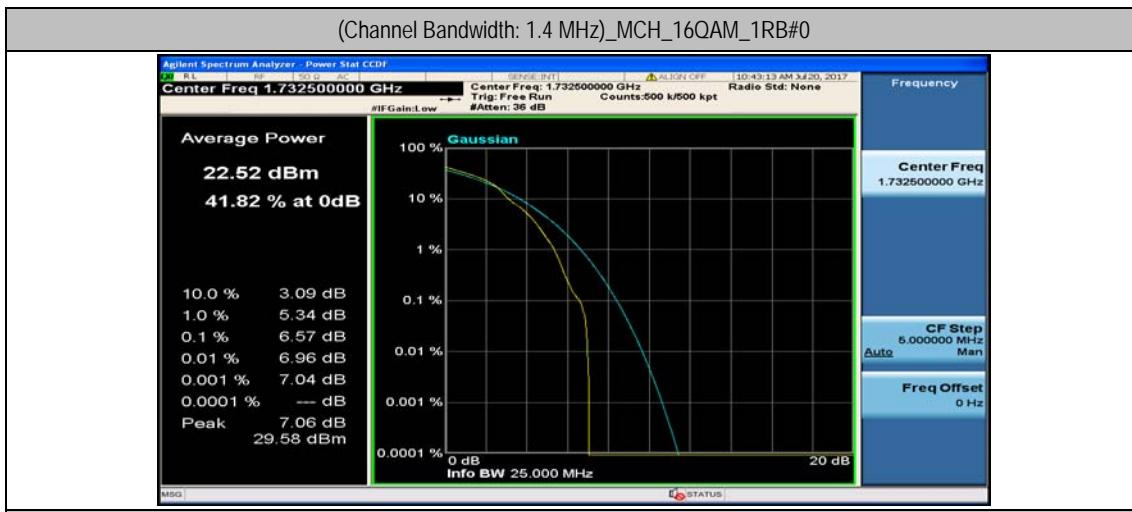
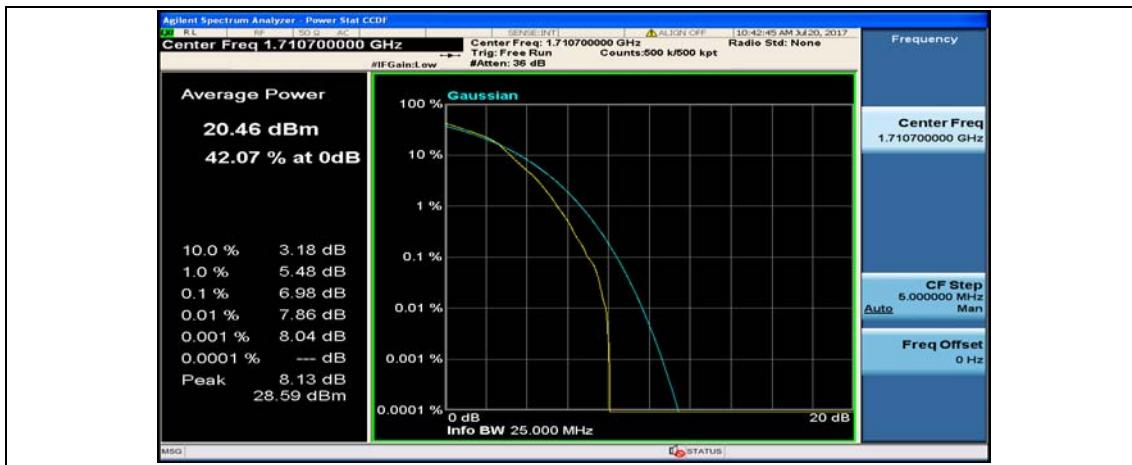


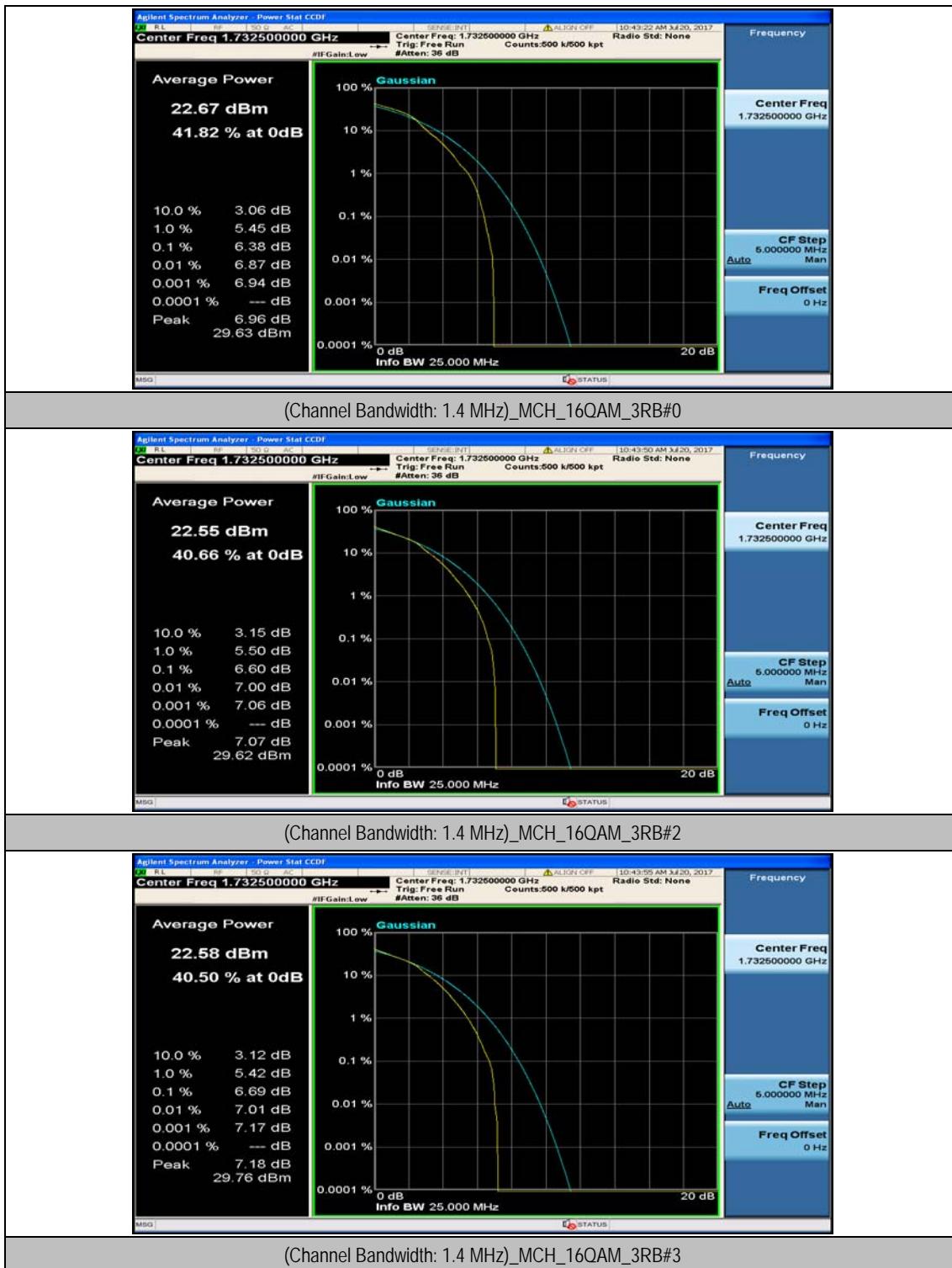


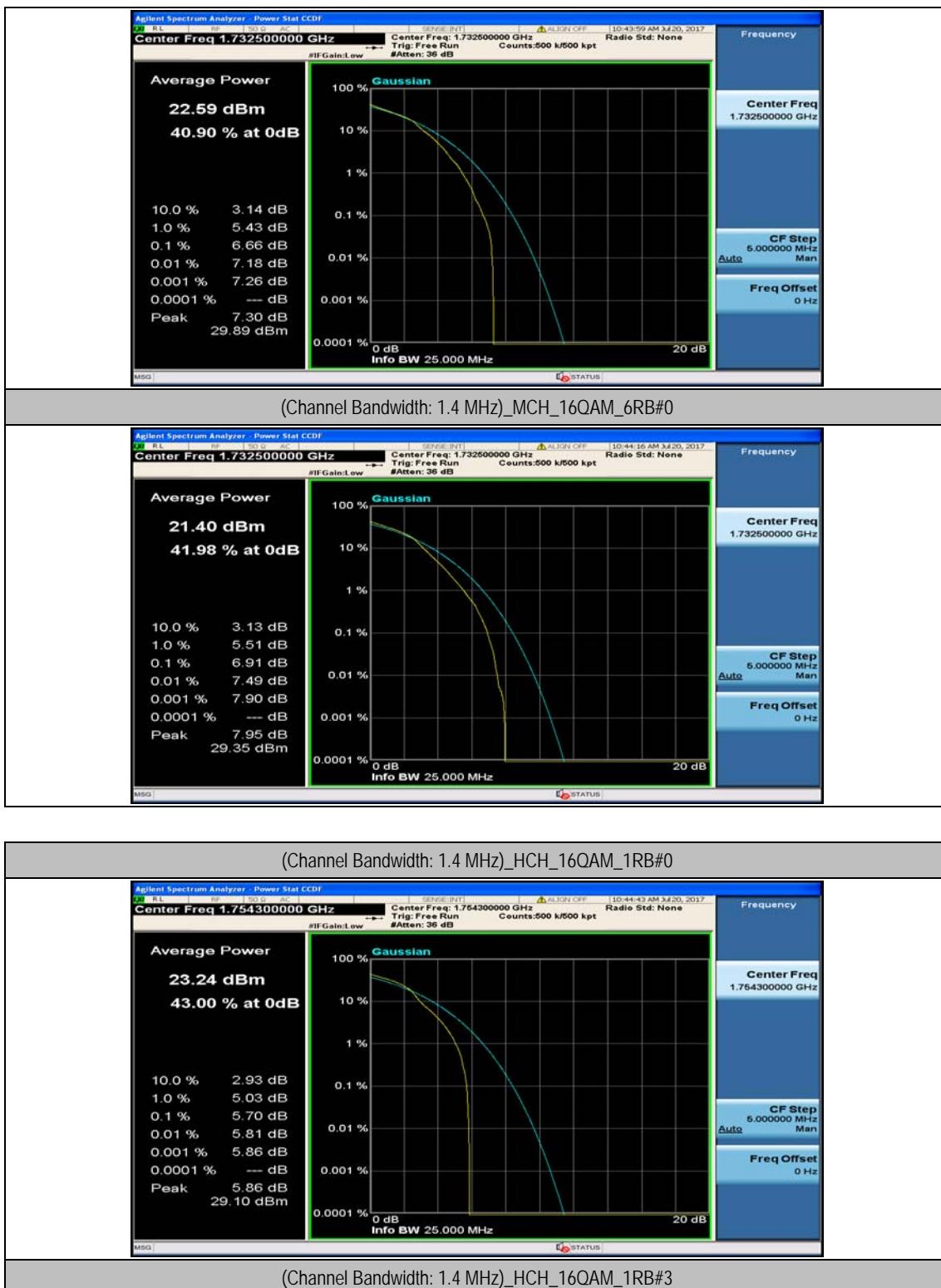


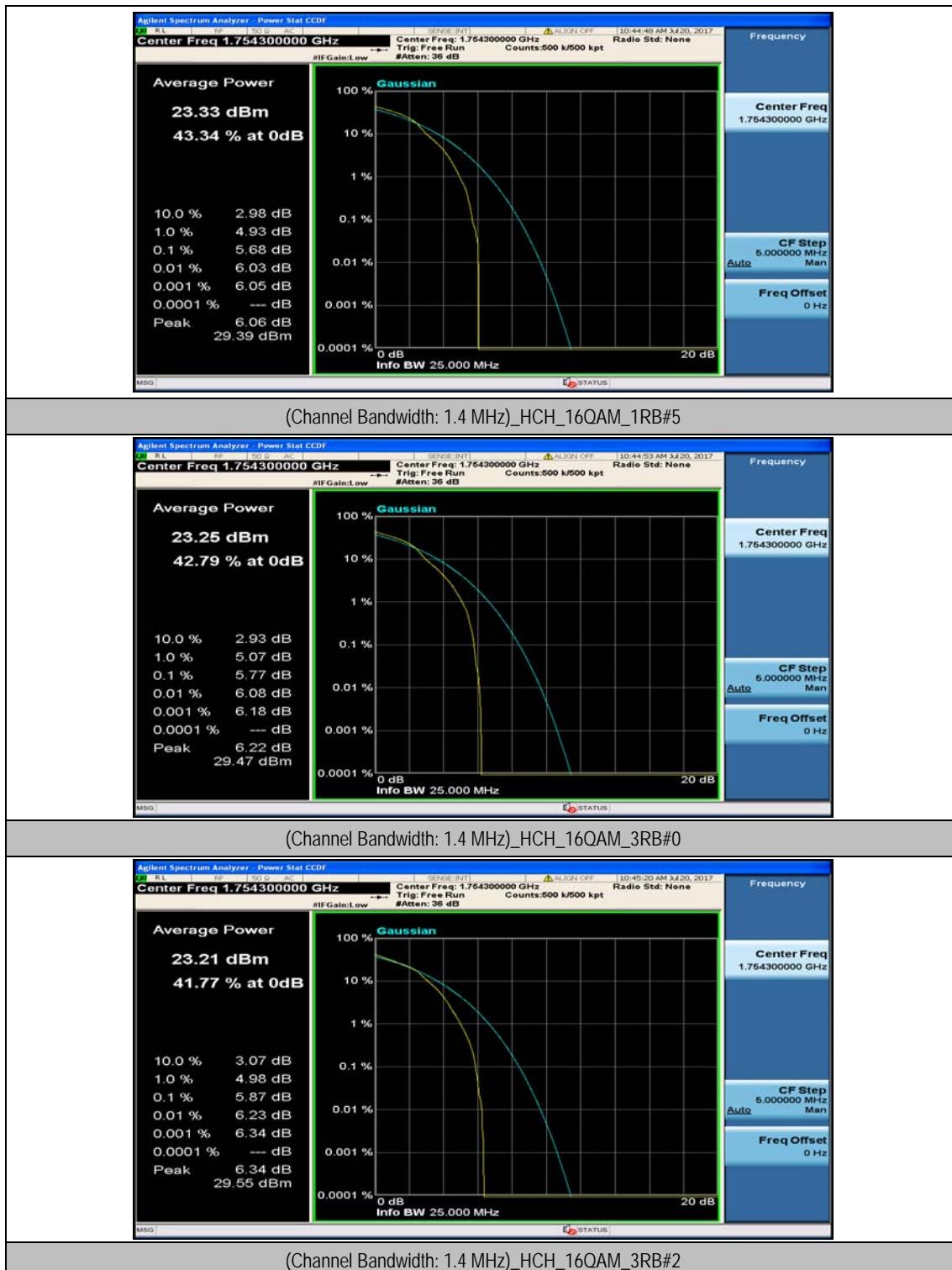


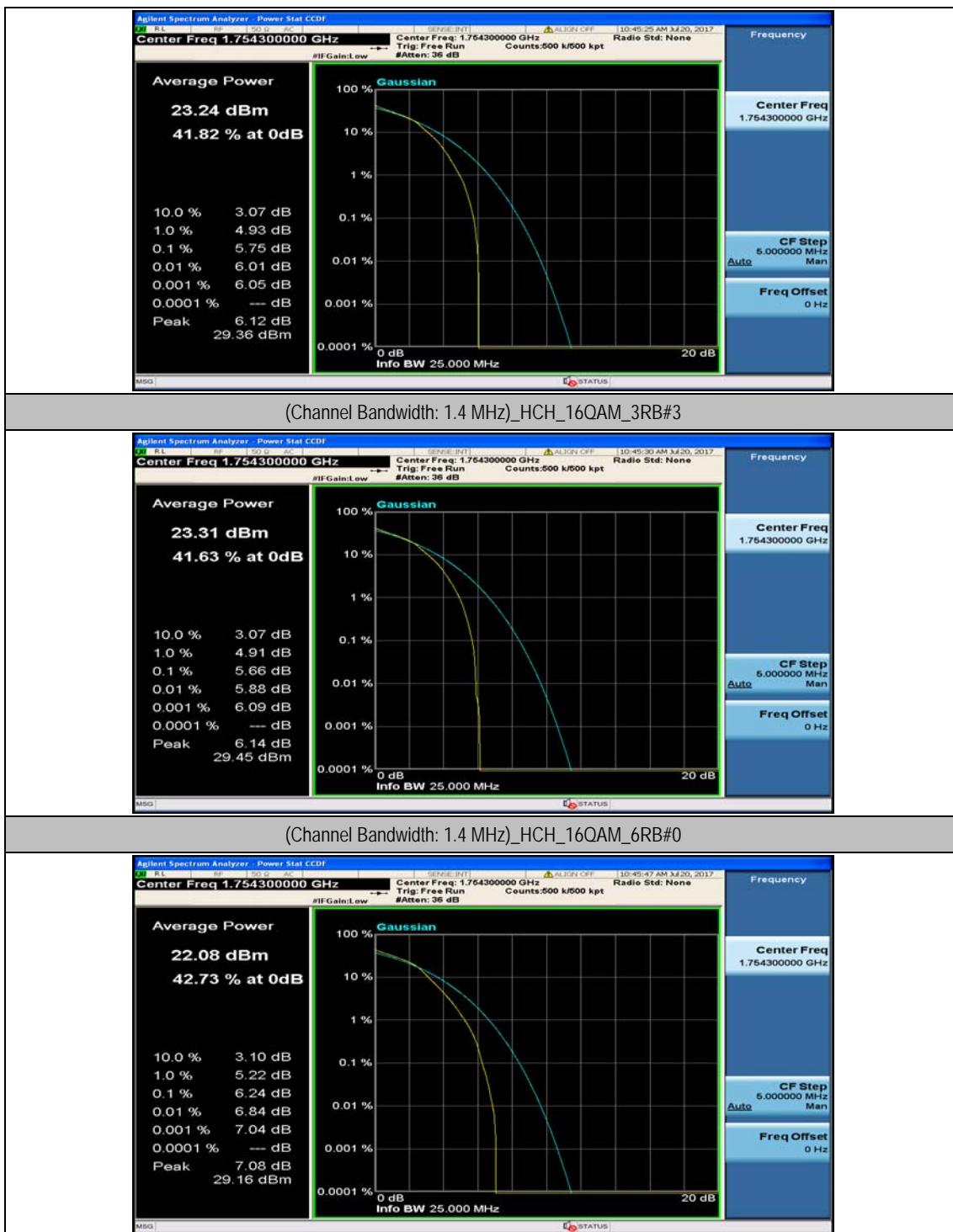






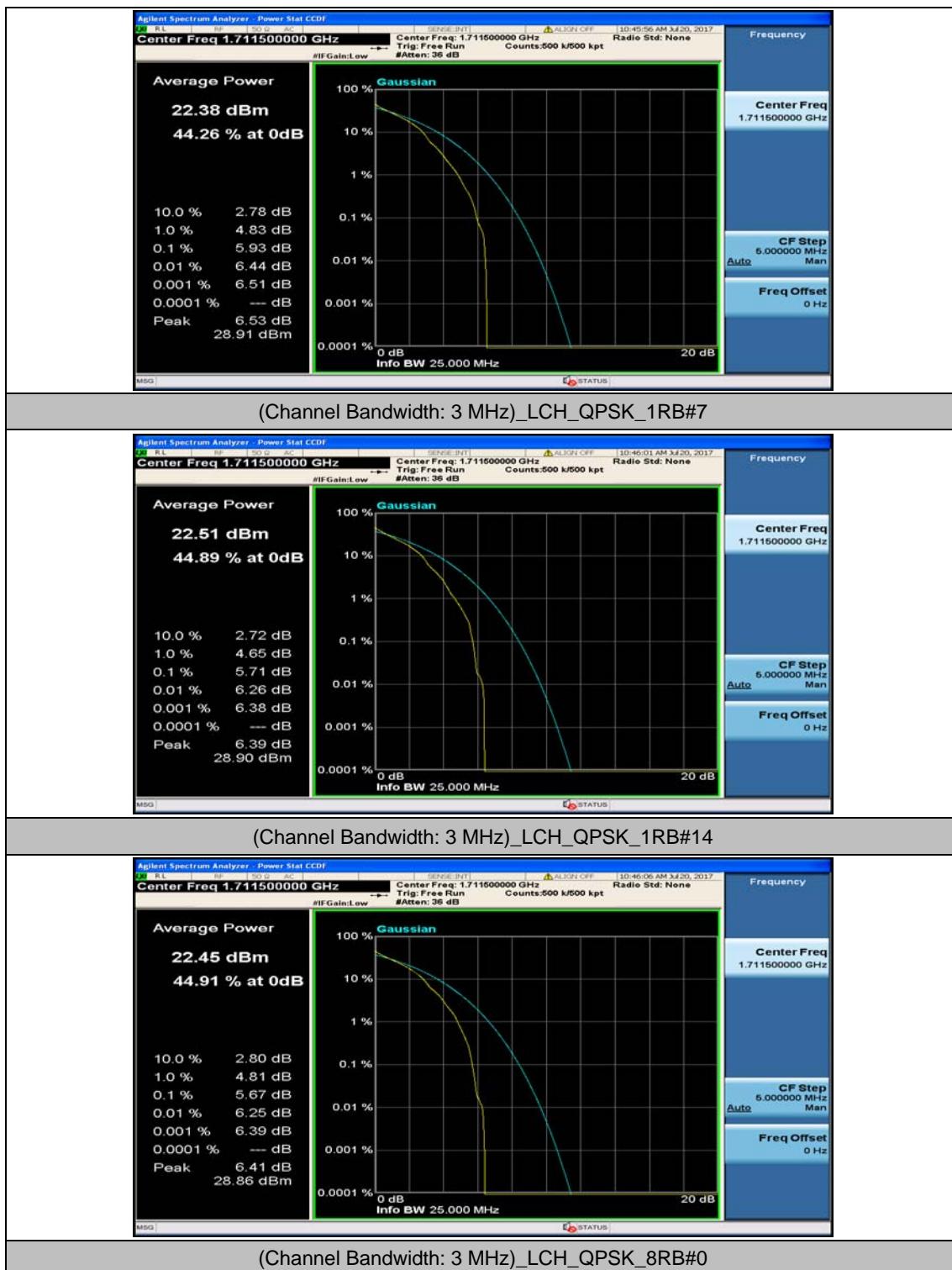


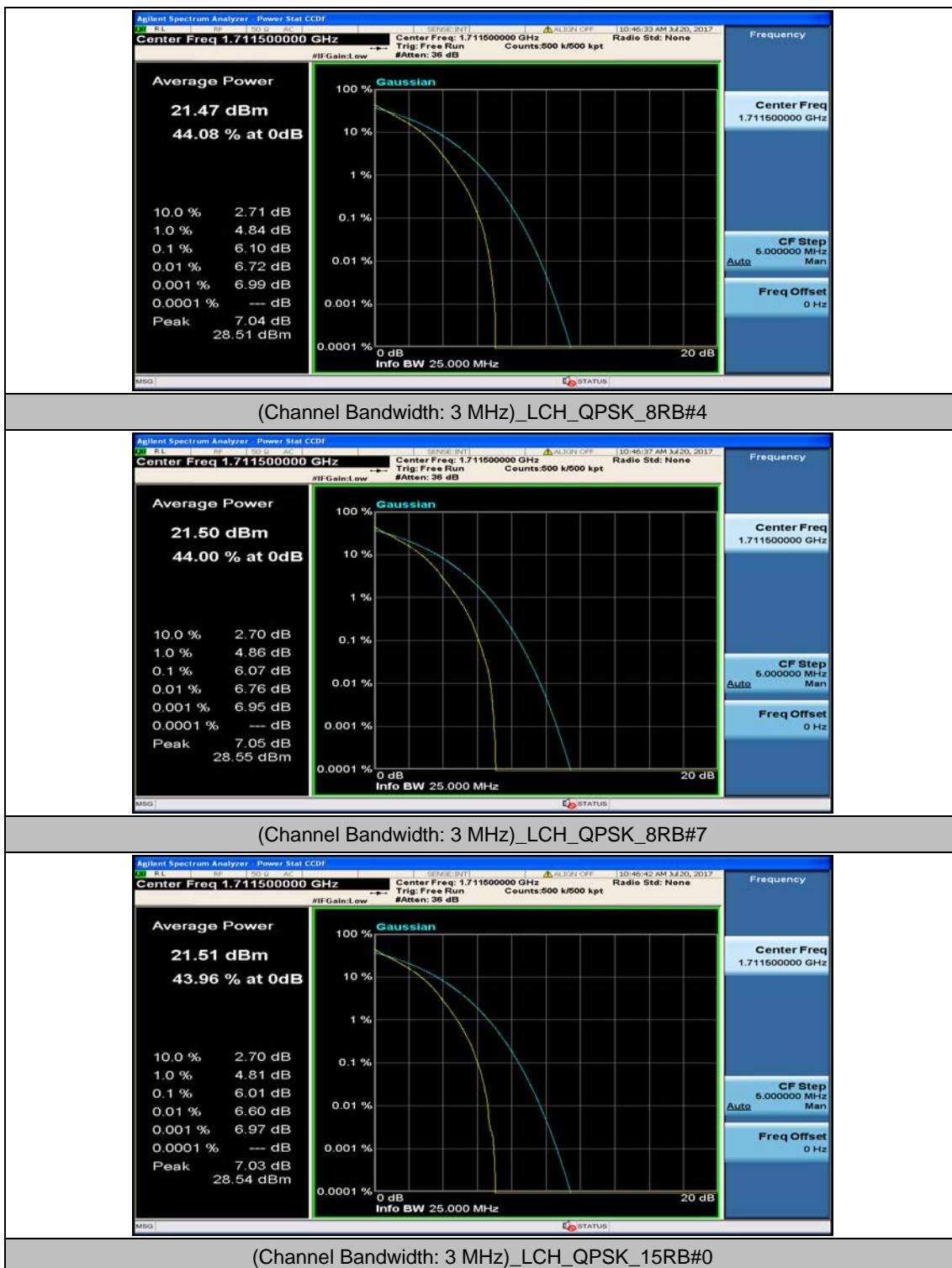


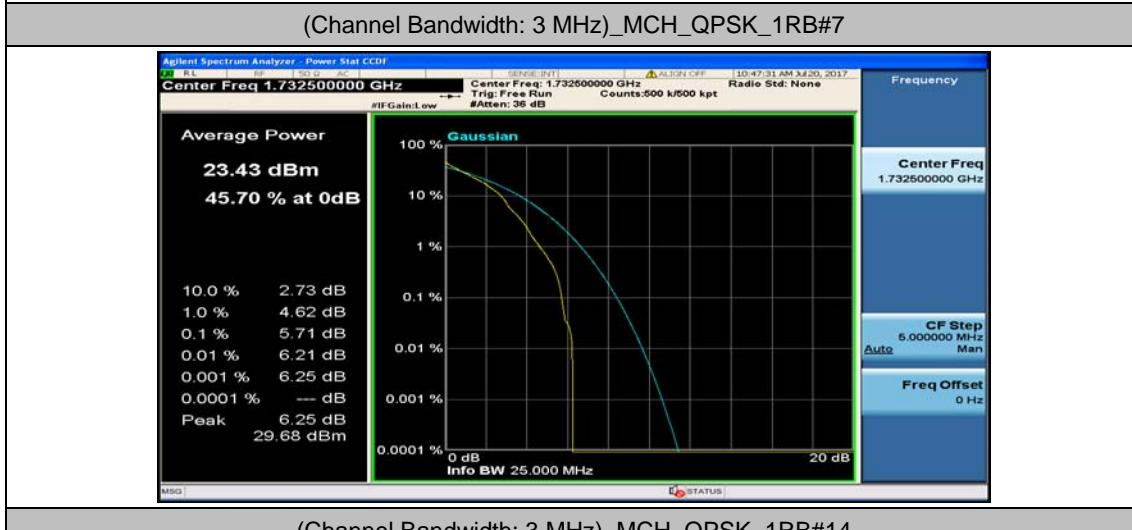
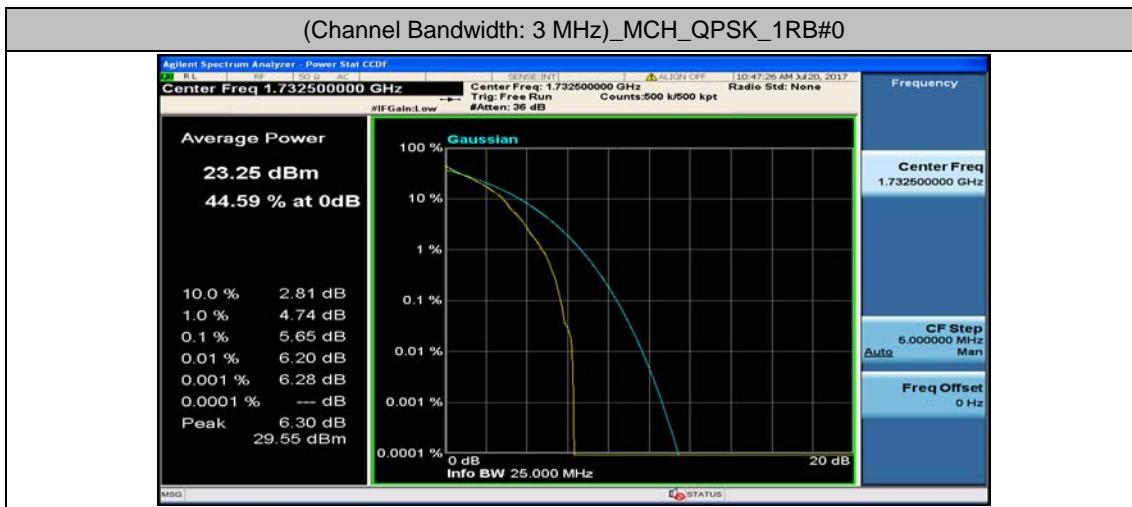
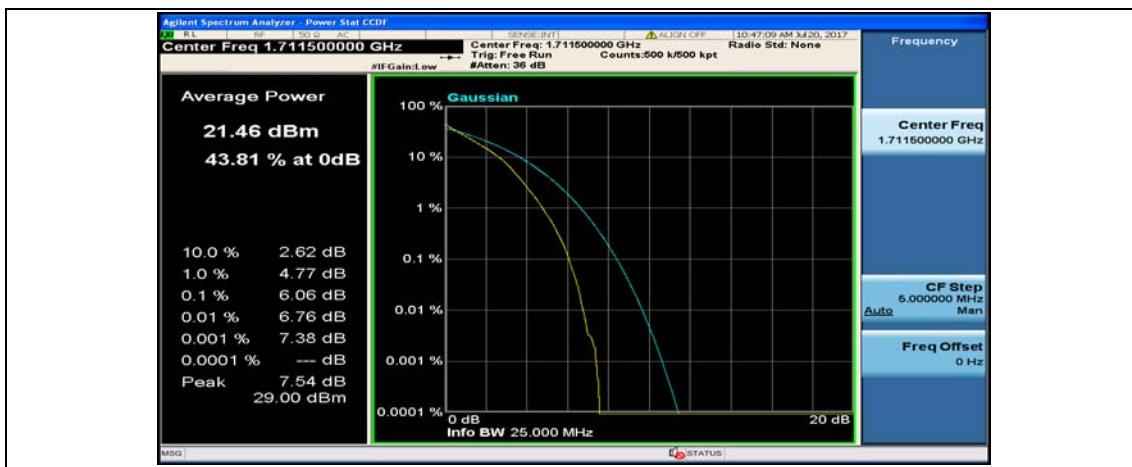


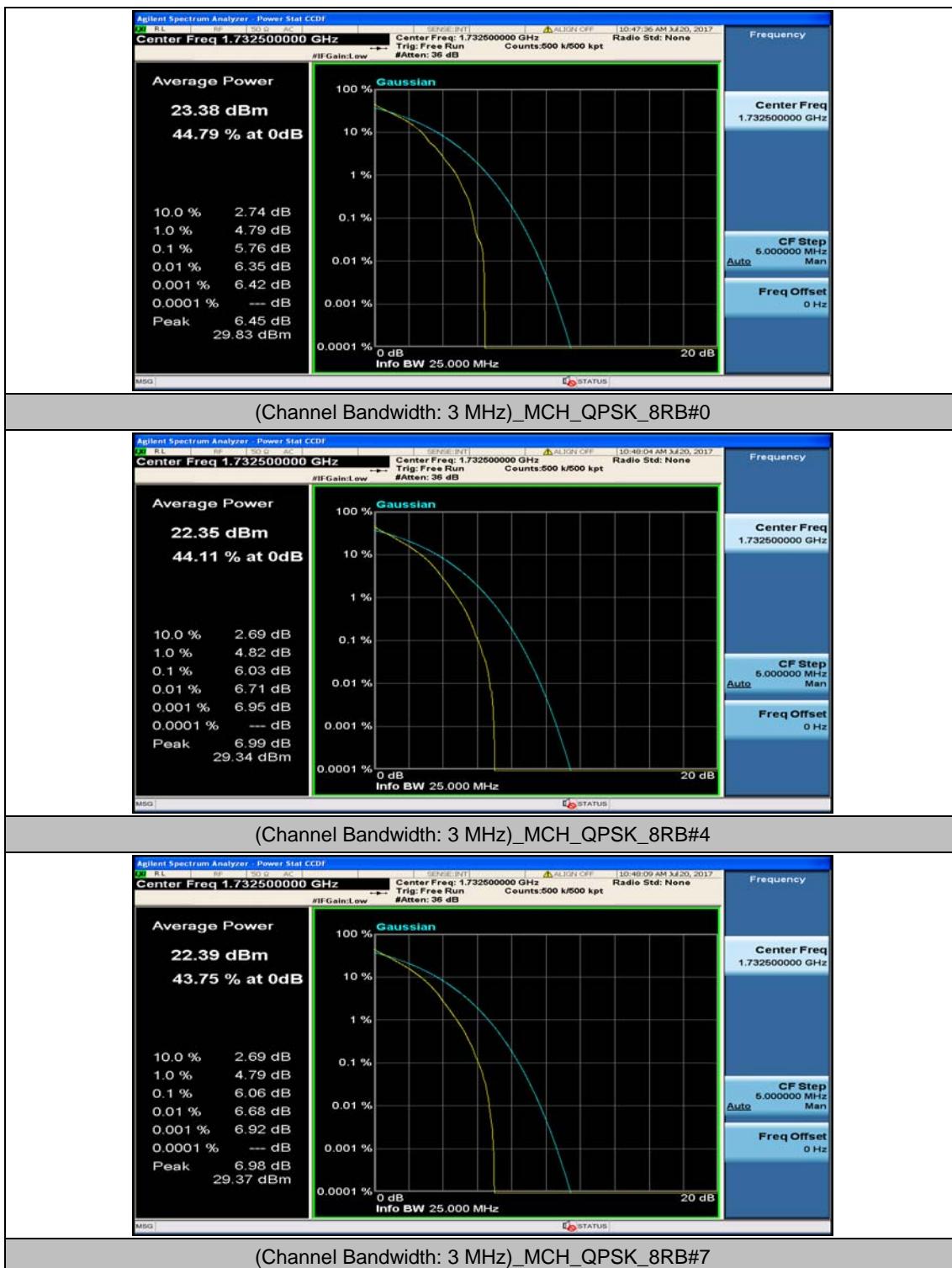
Channel Bandwidth: 3 MHz

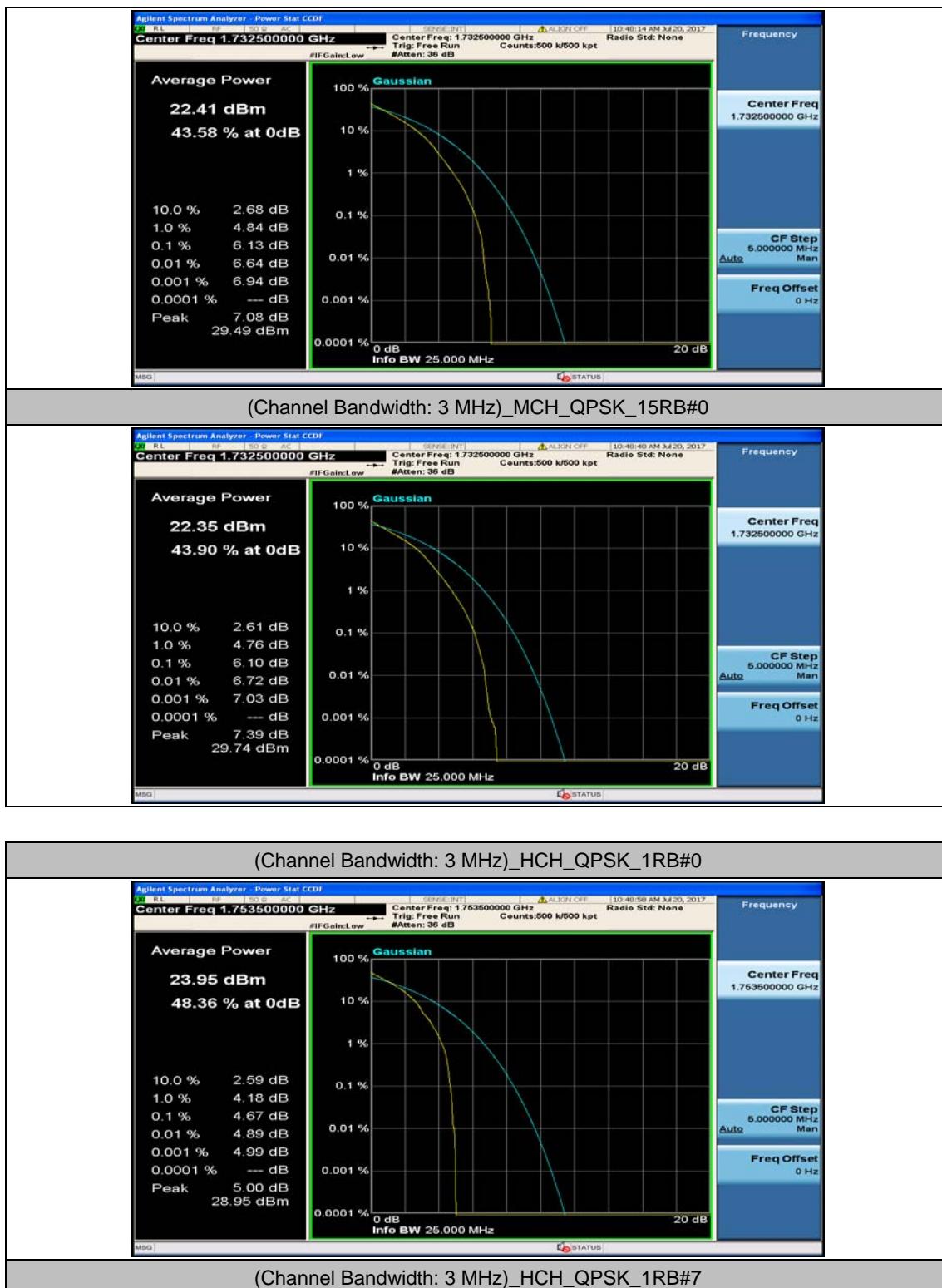
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

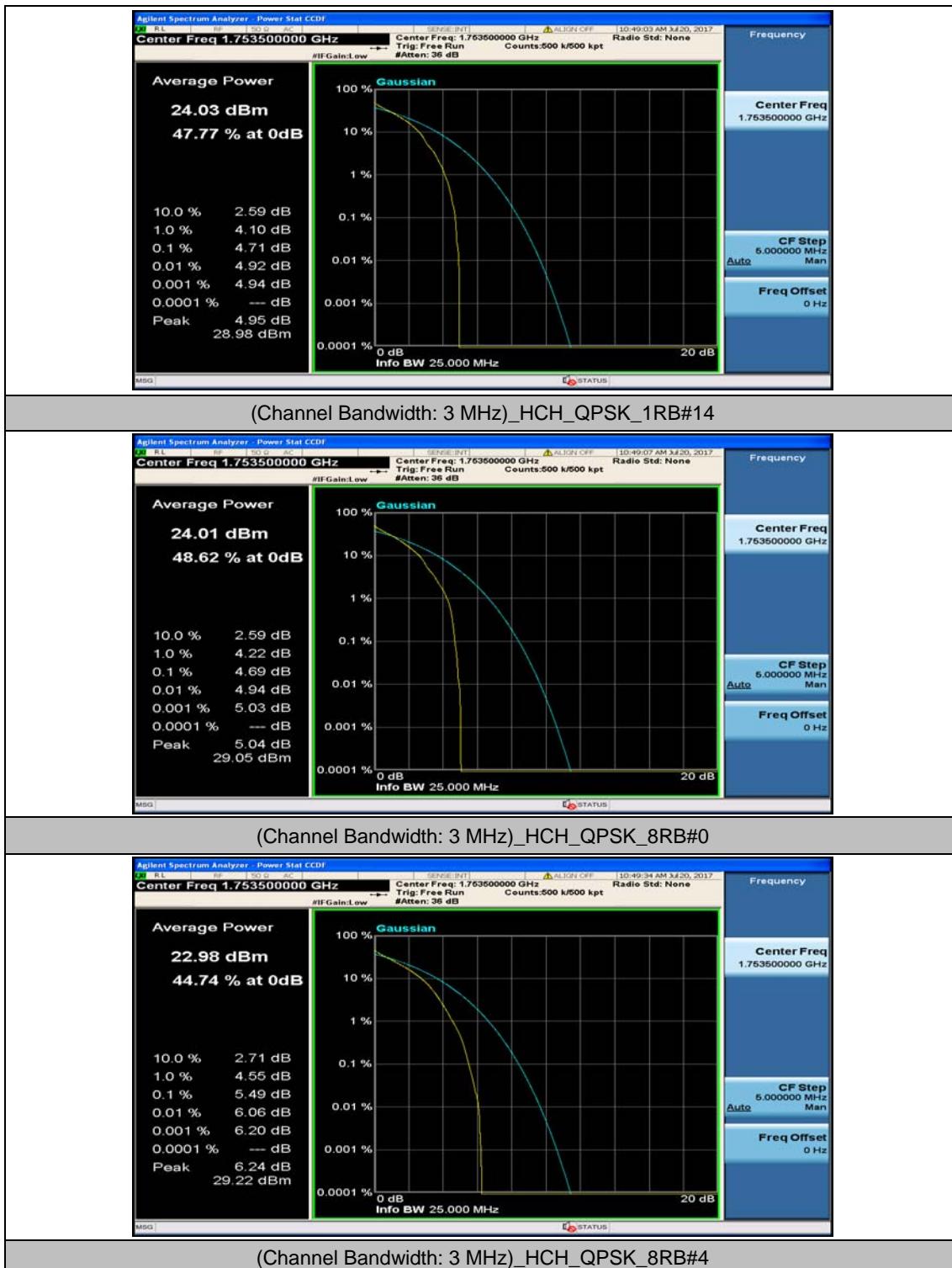


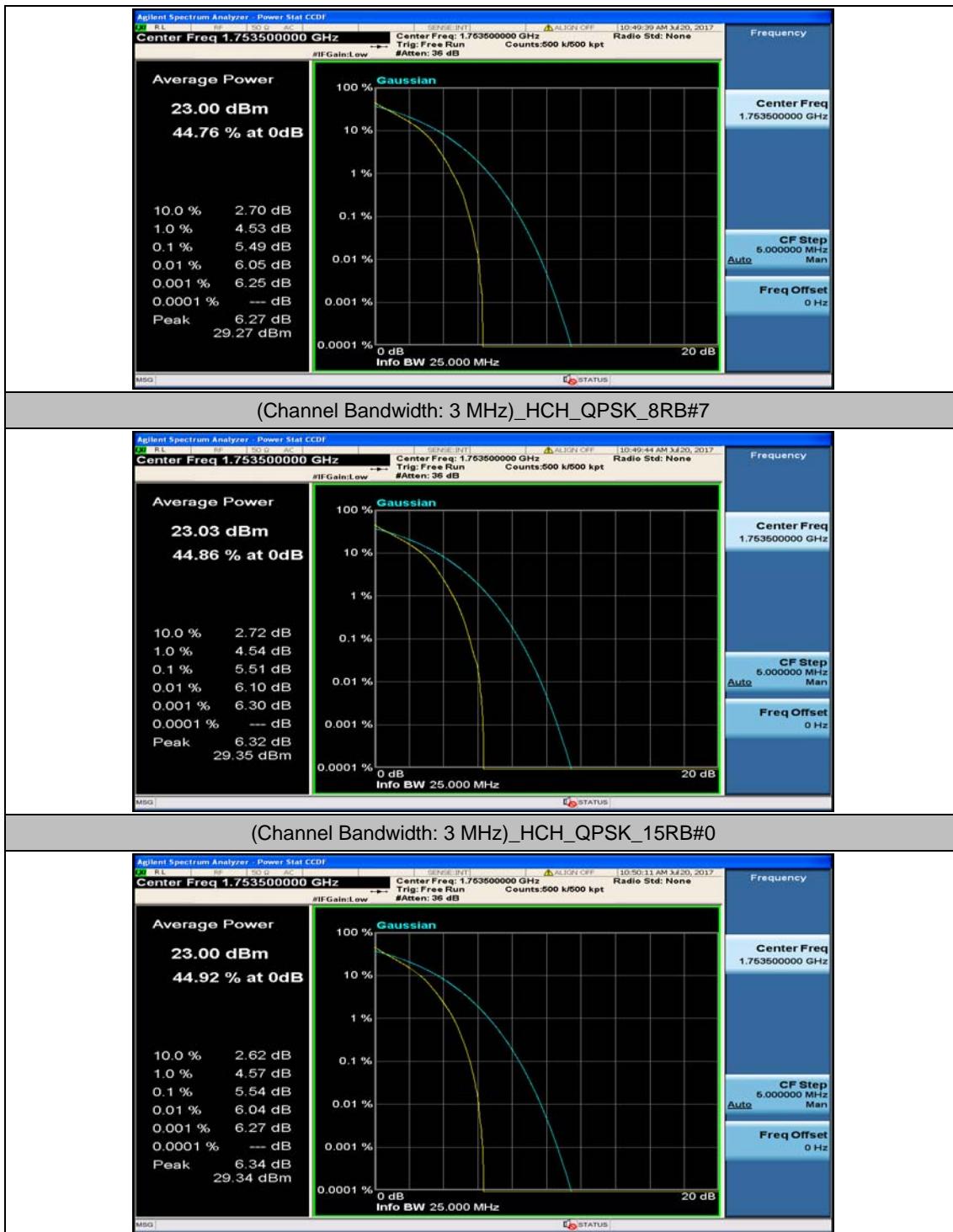


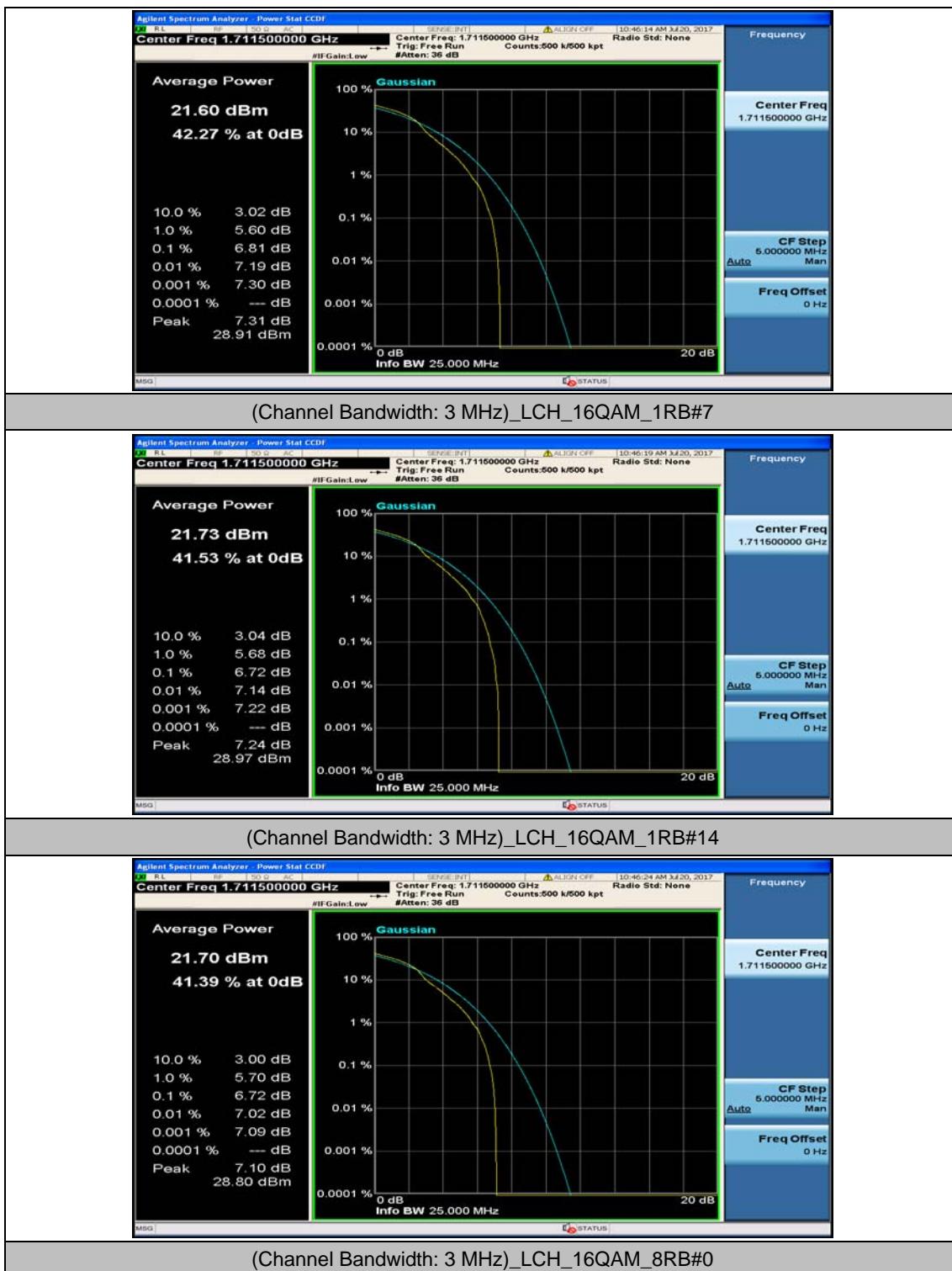


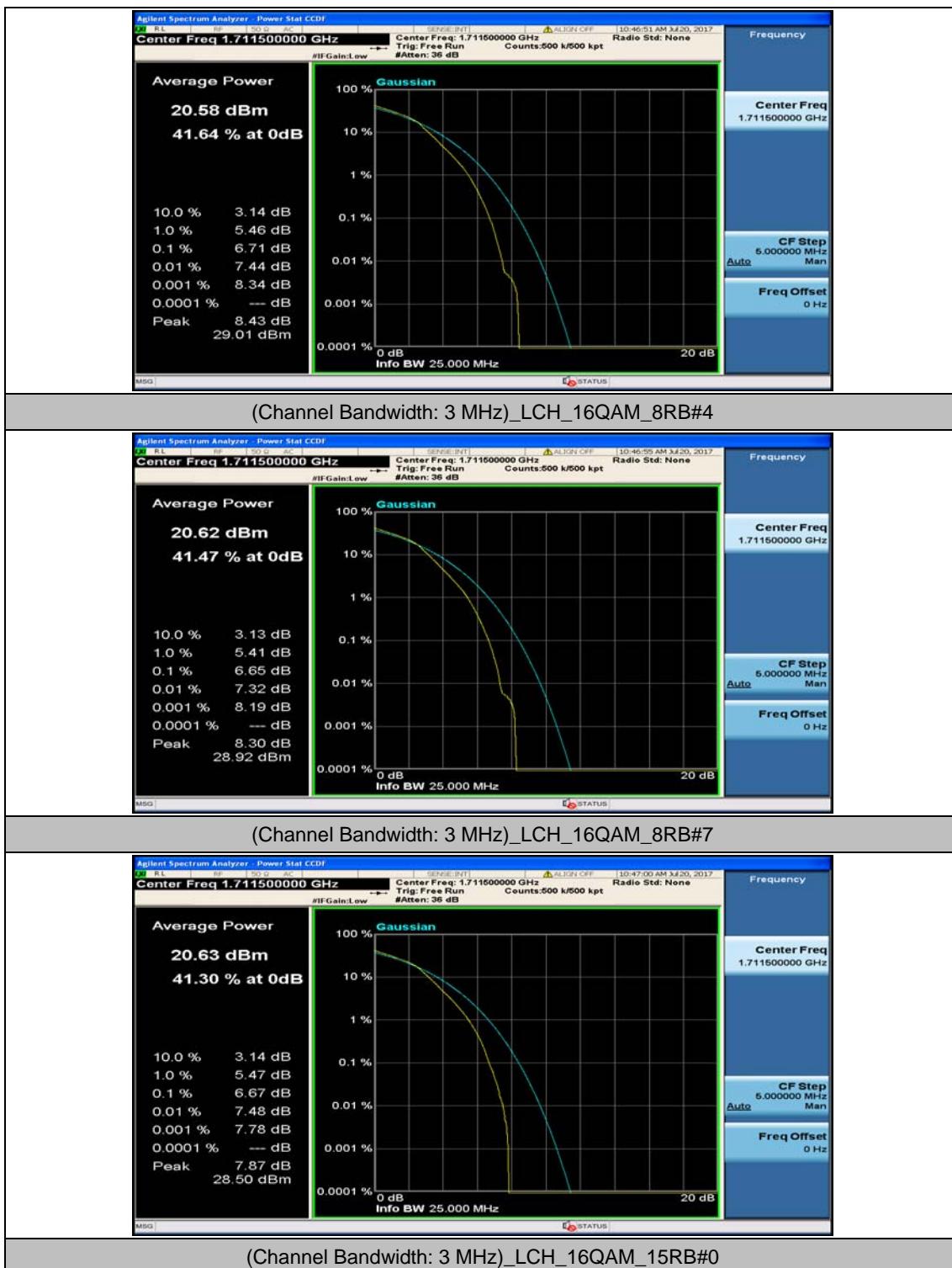


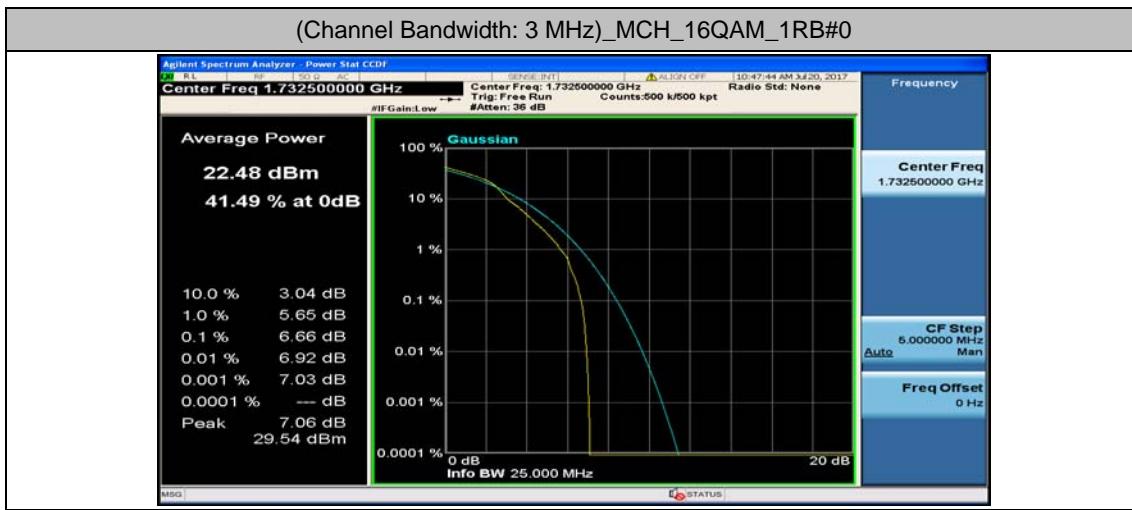
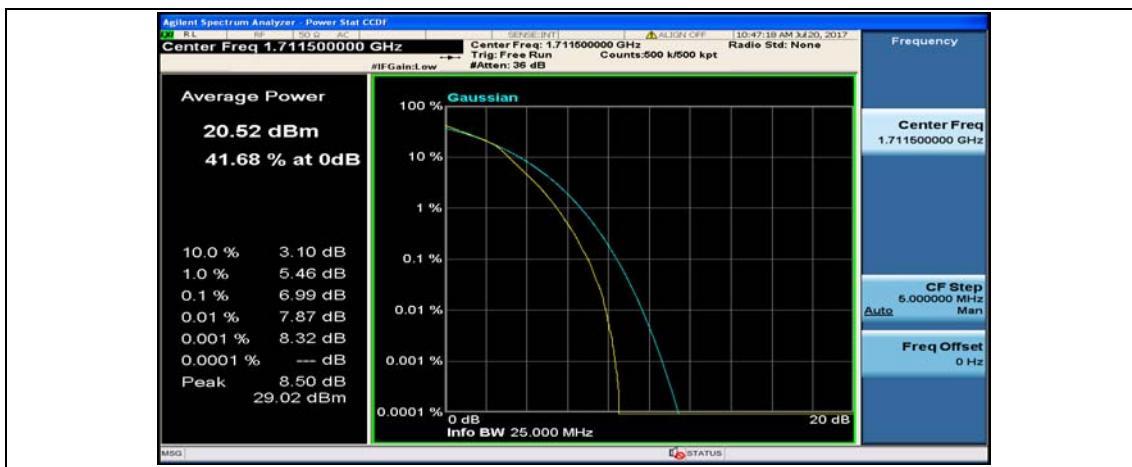




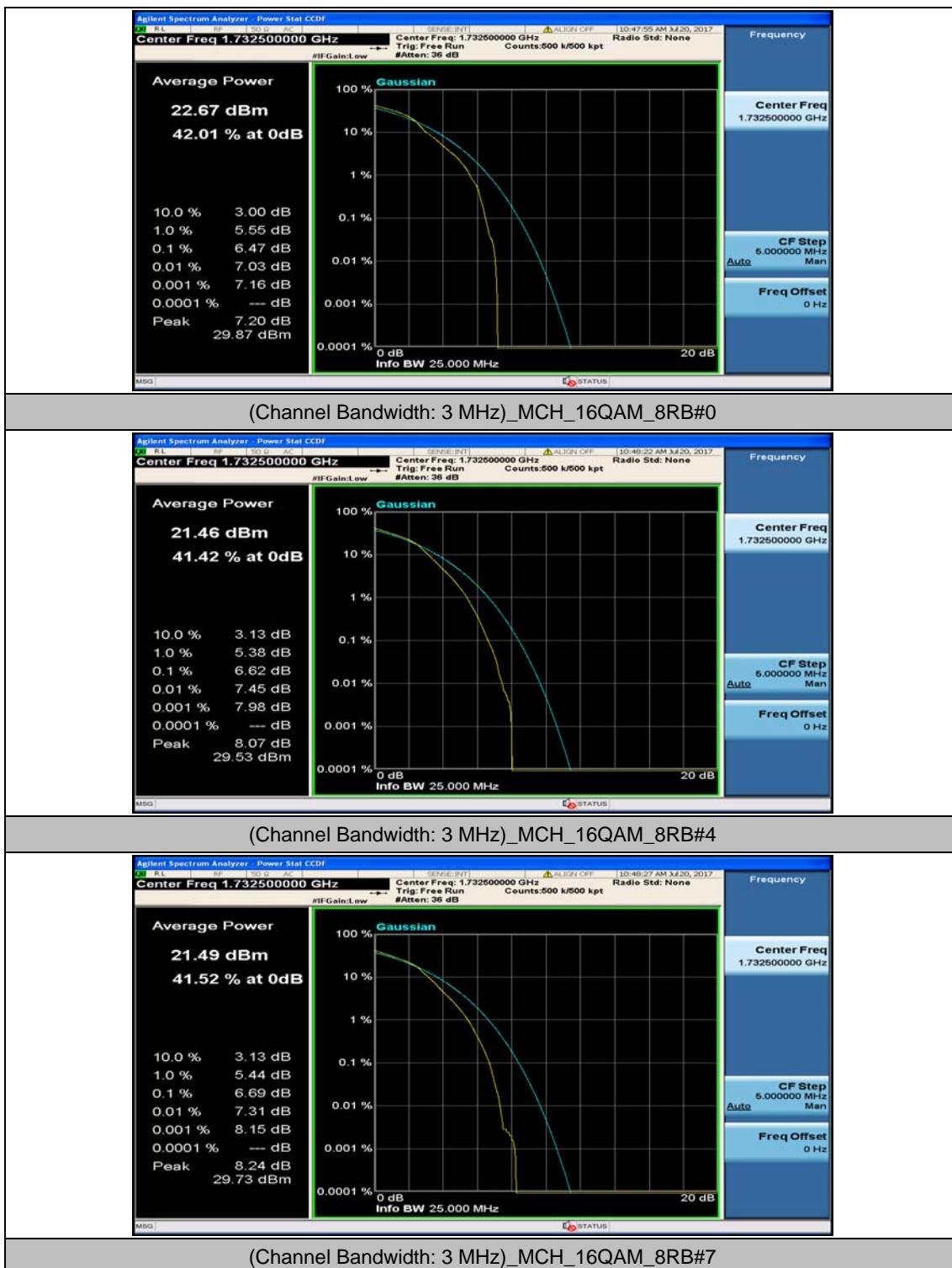


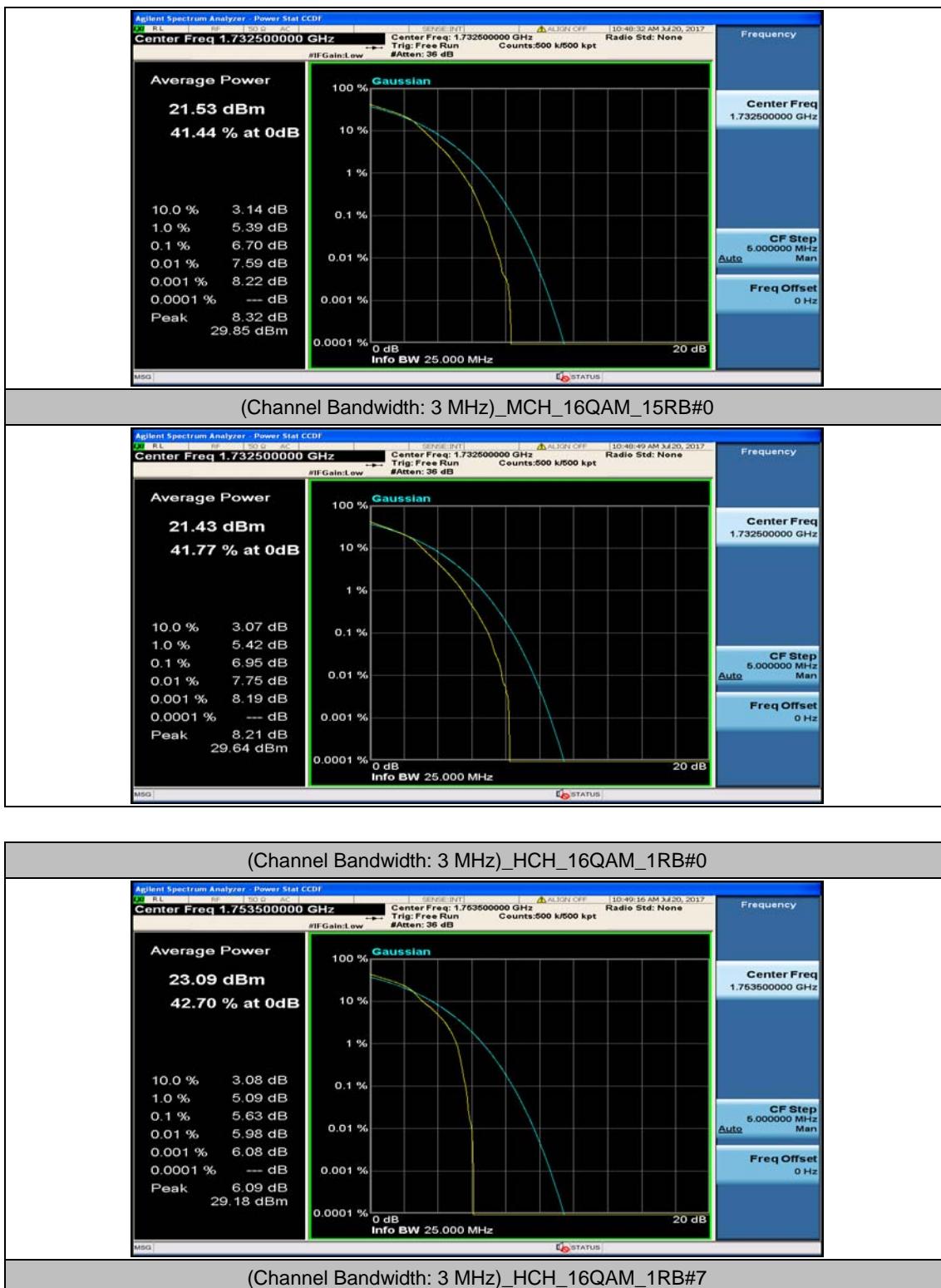


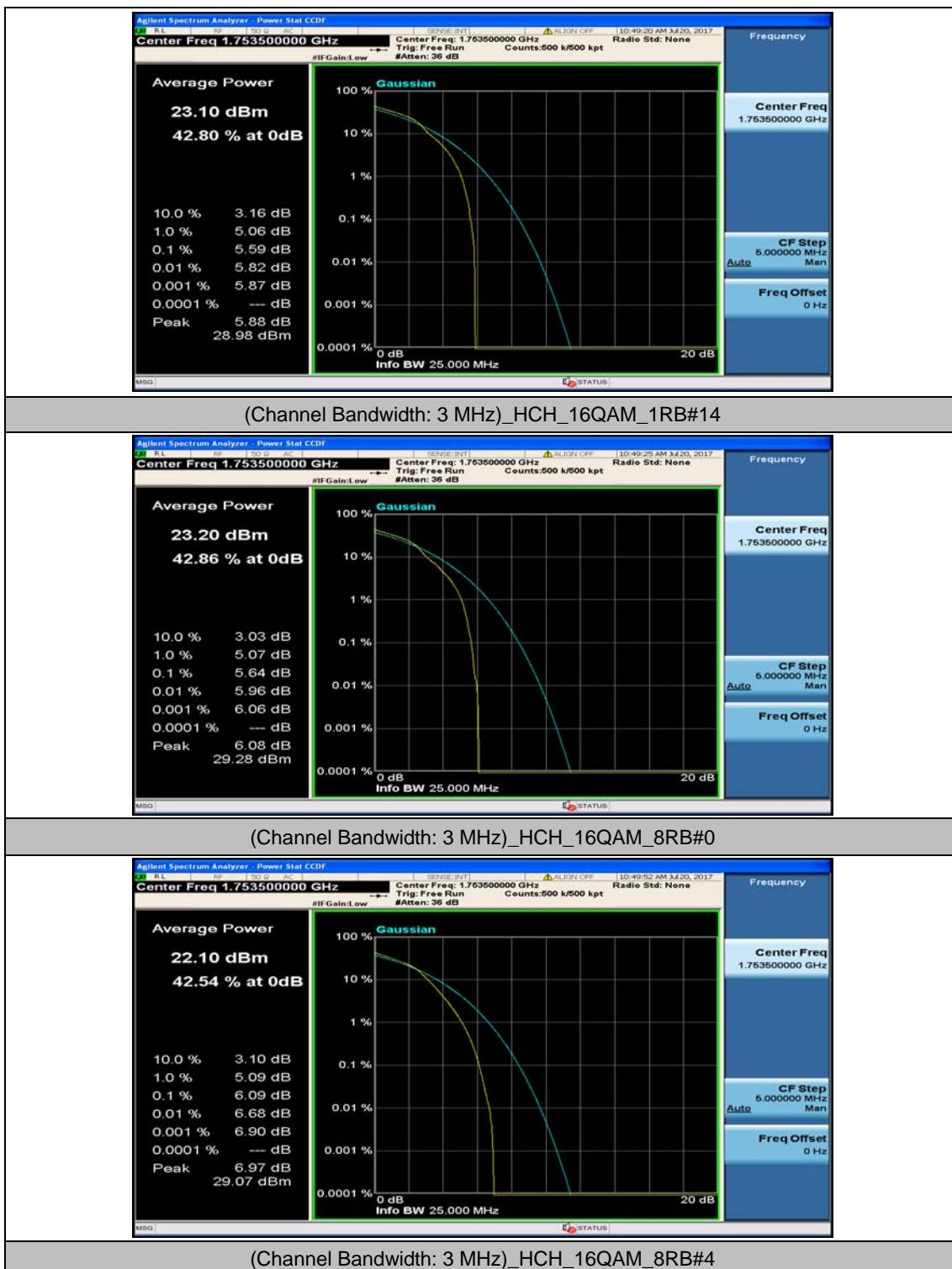


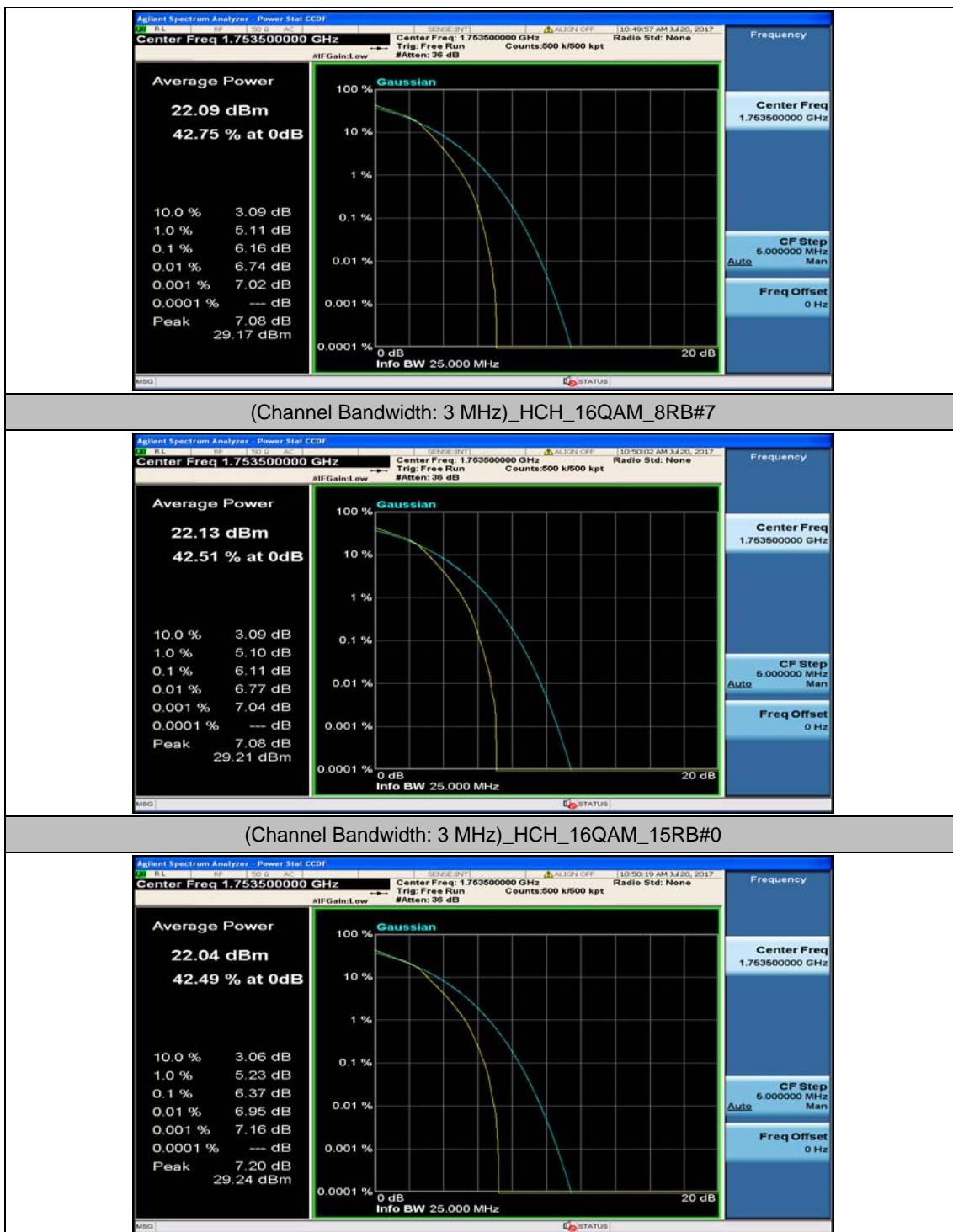


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



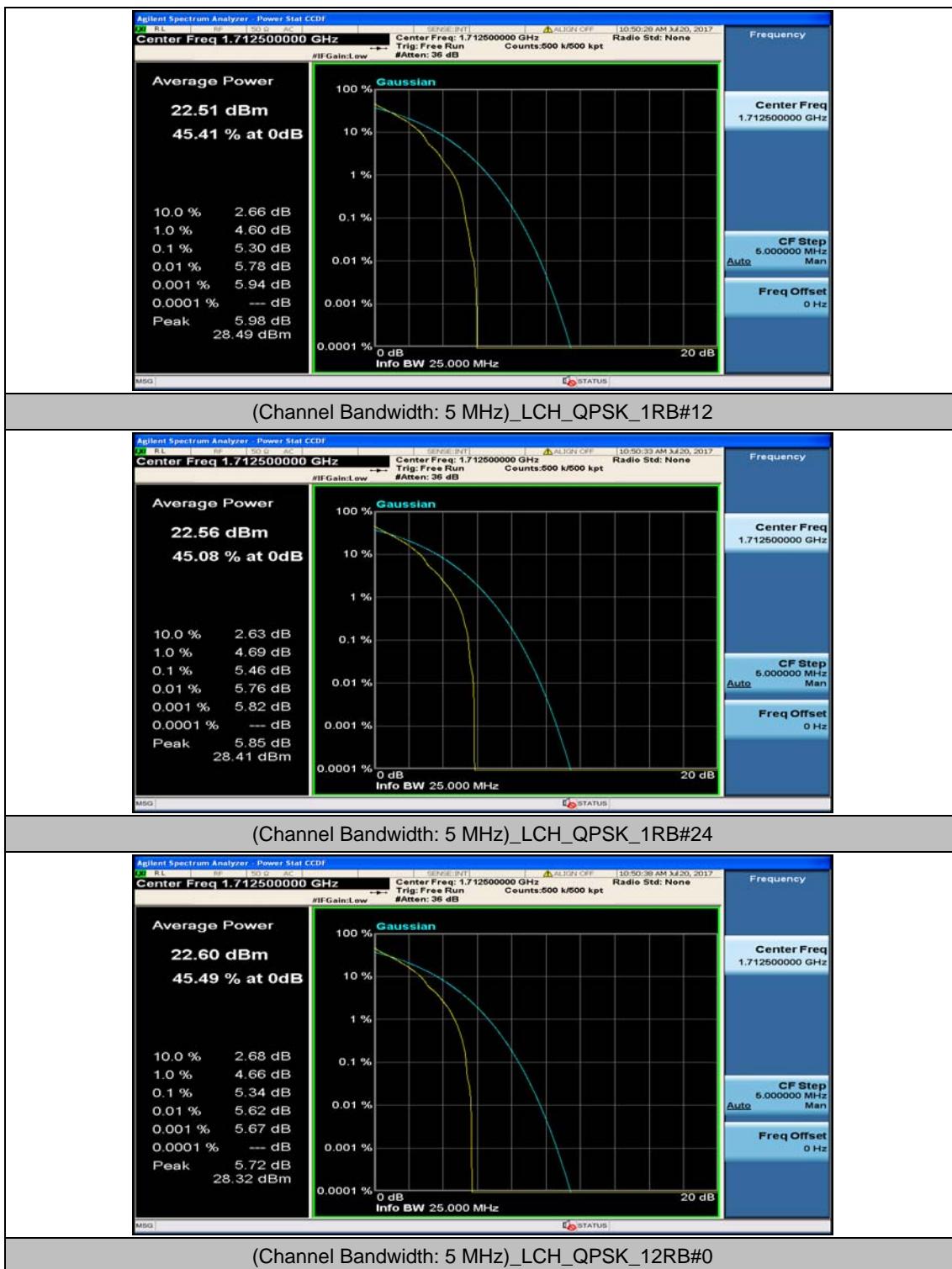


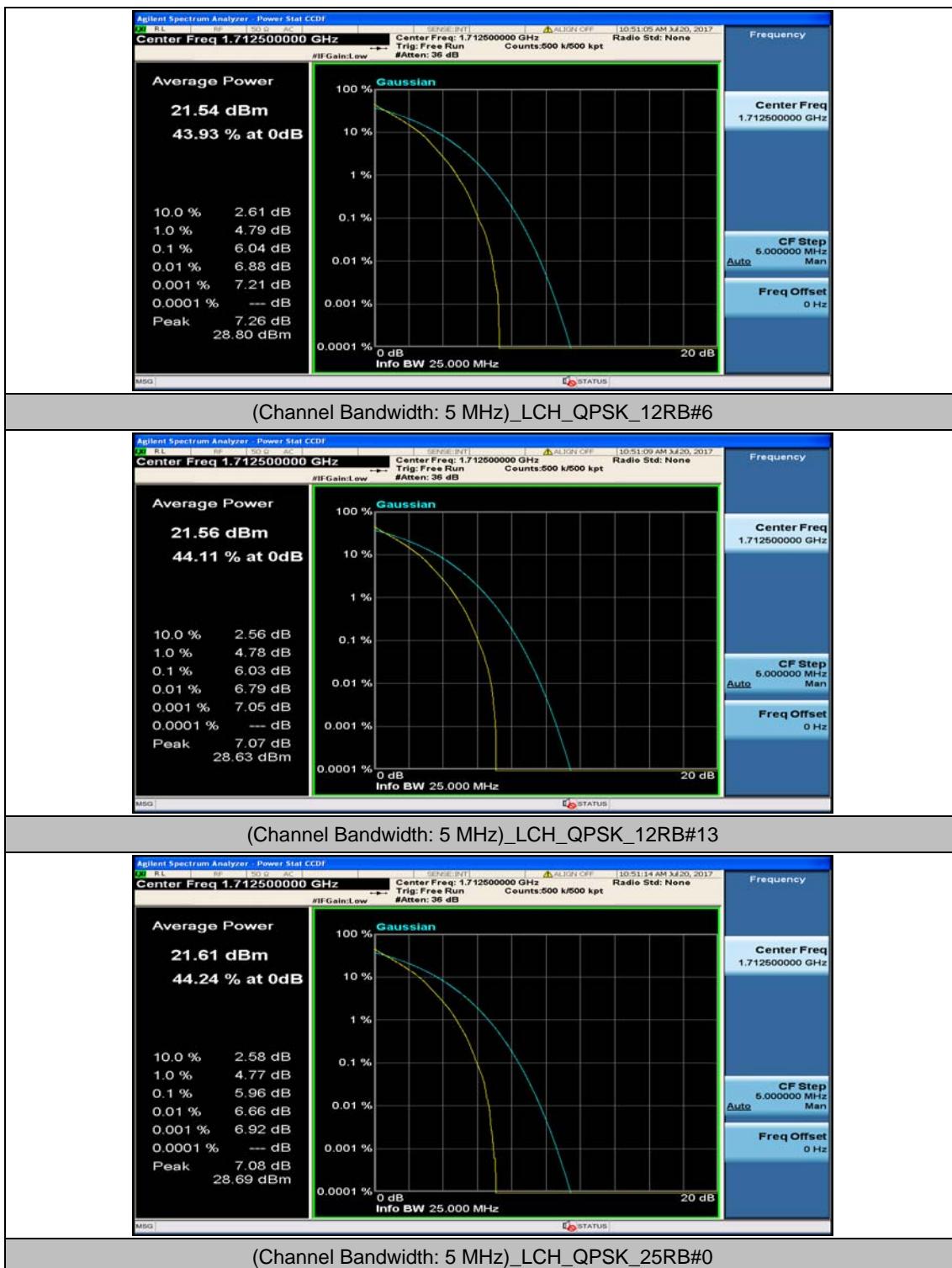


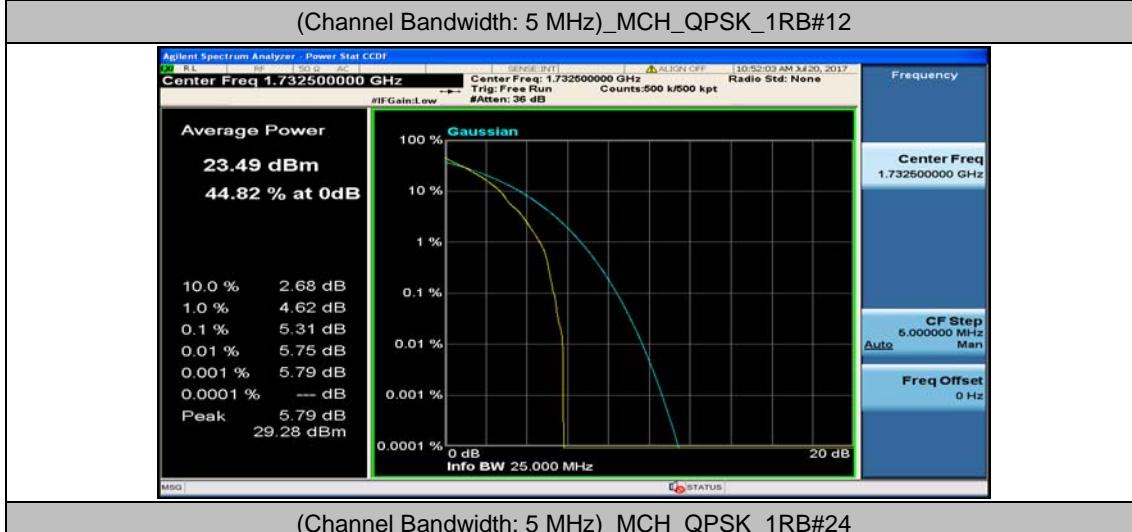
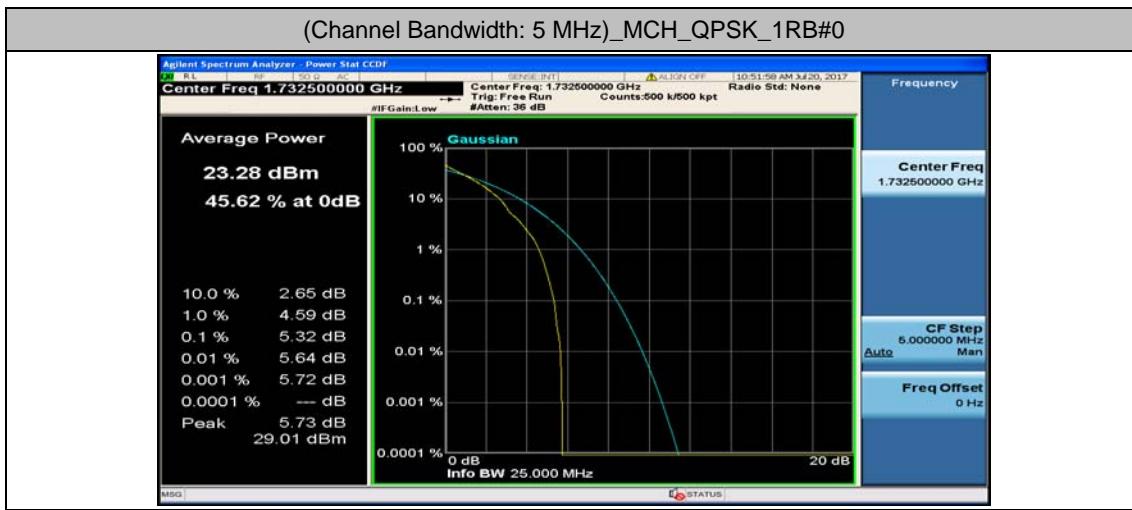
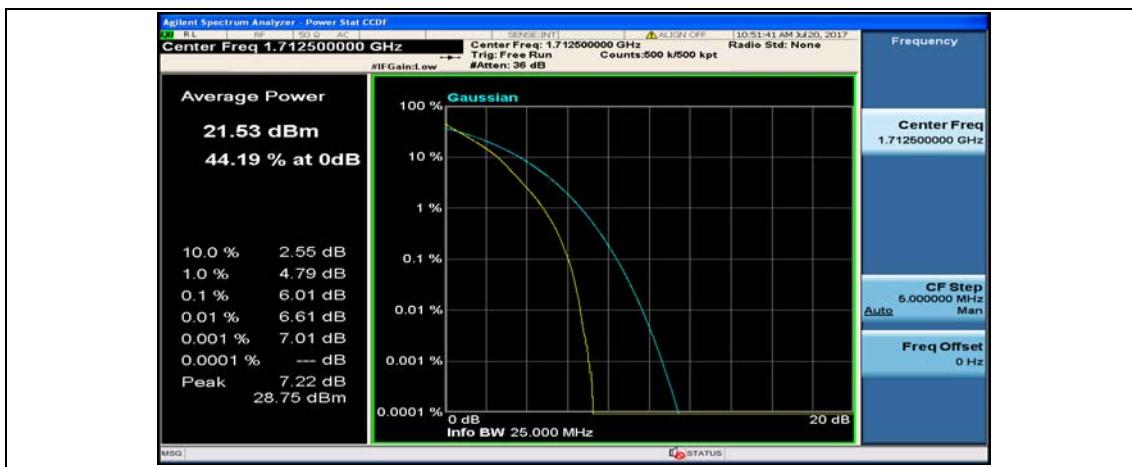


Channel Bandwidth: 5 MHz

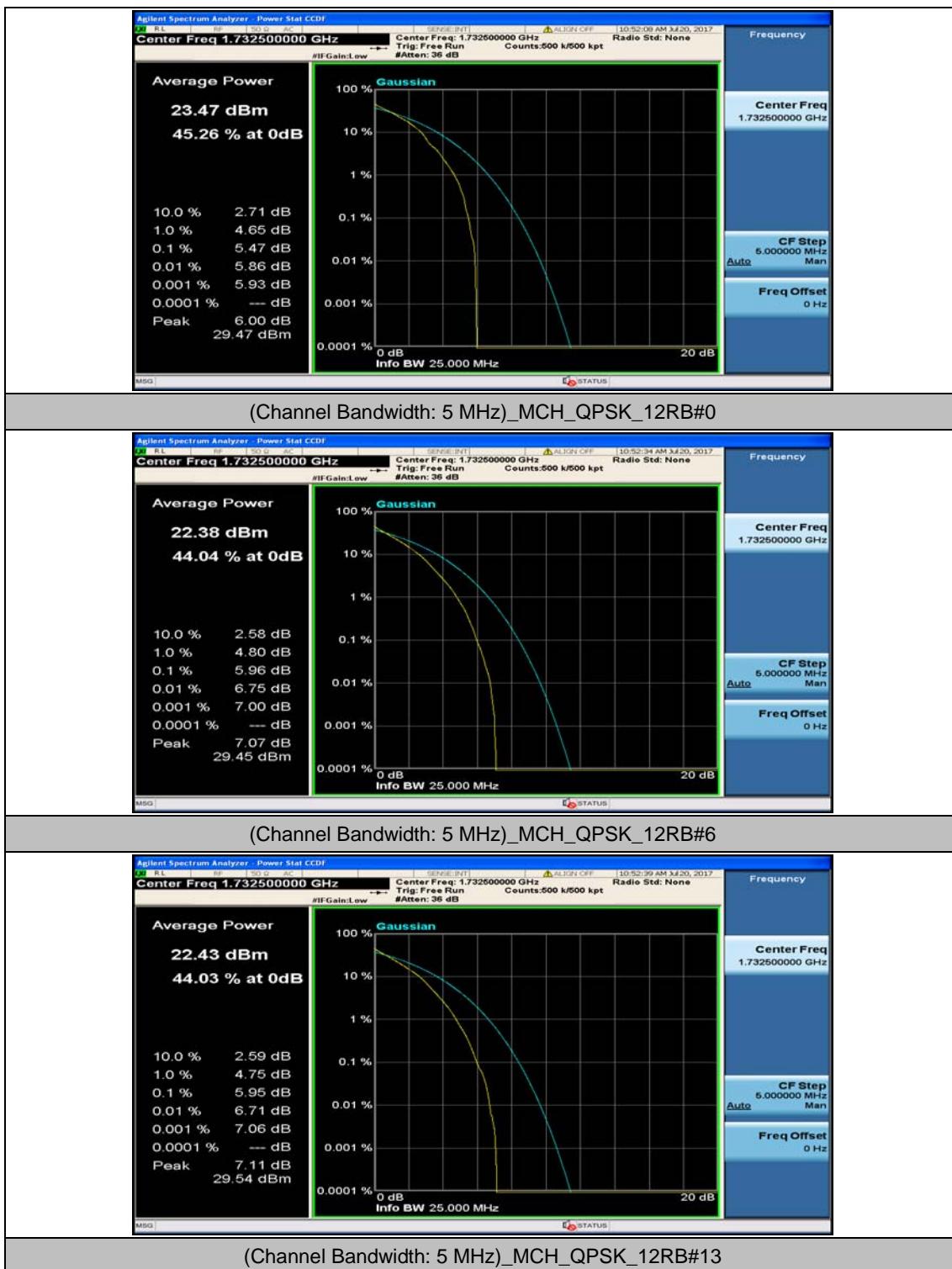
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

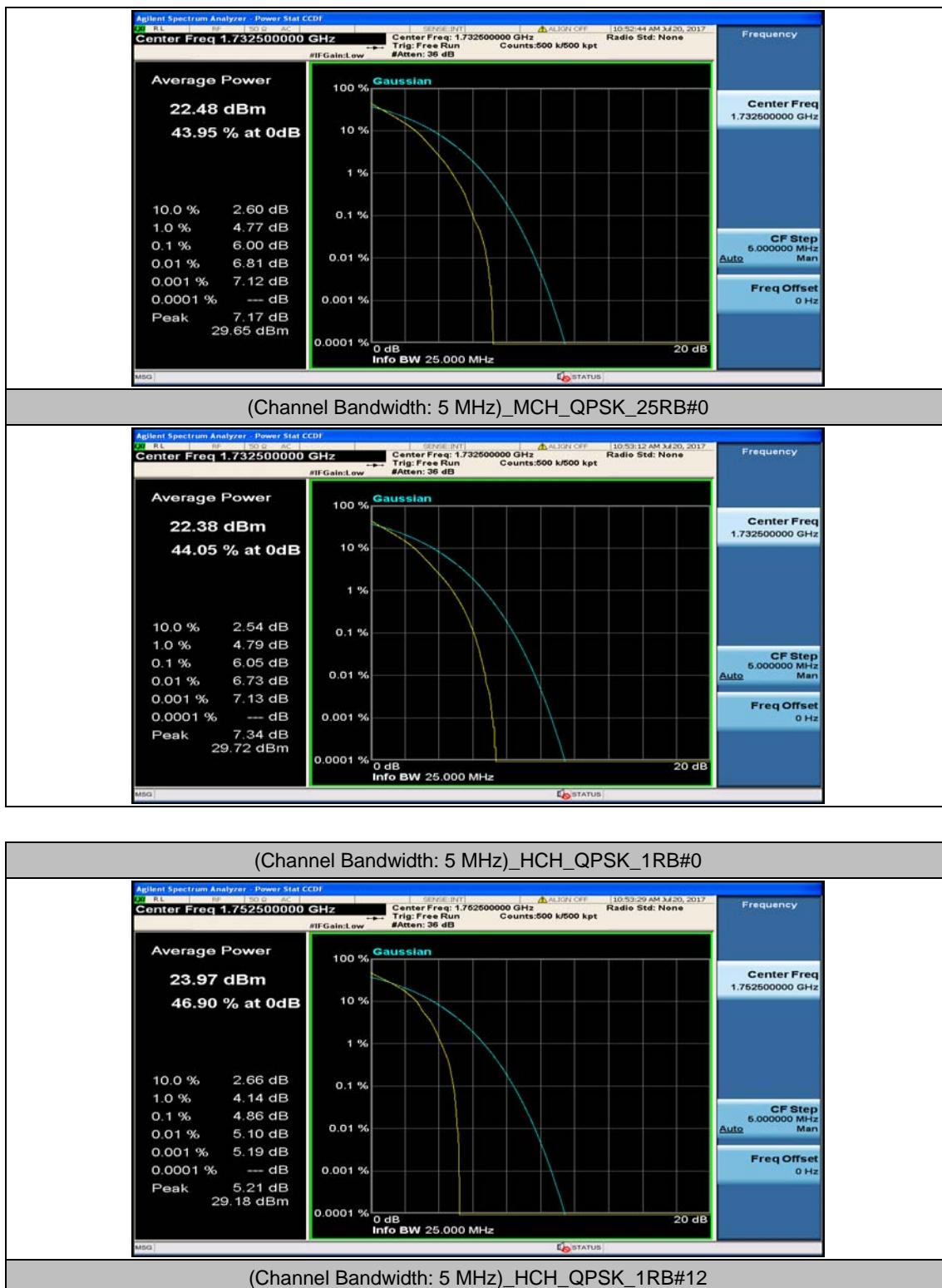


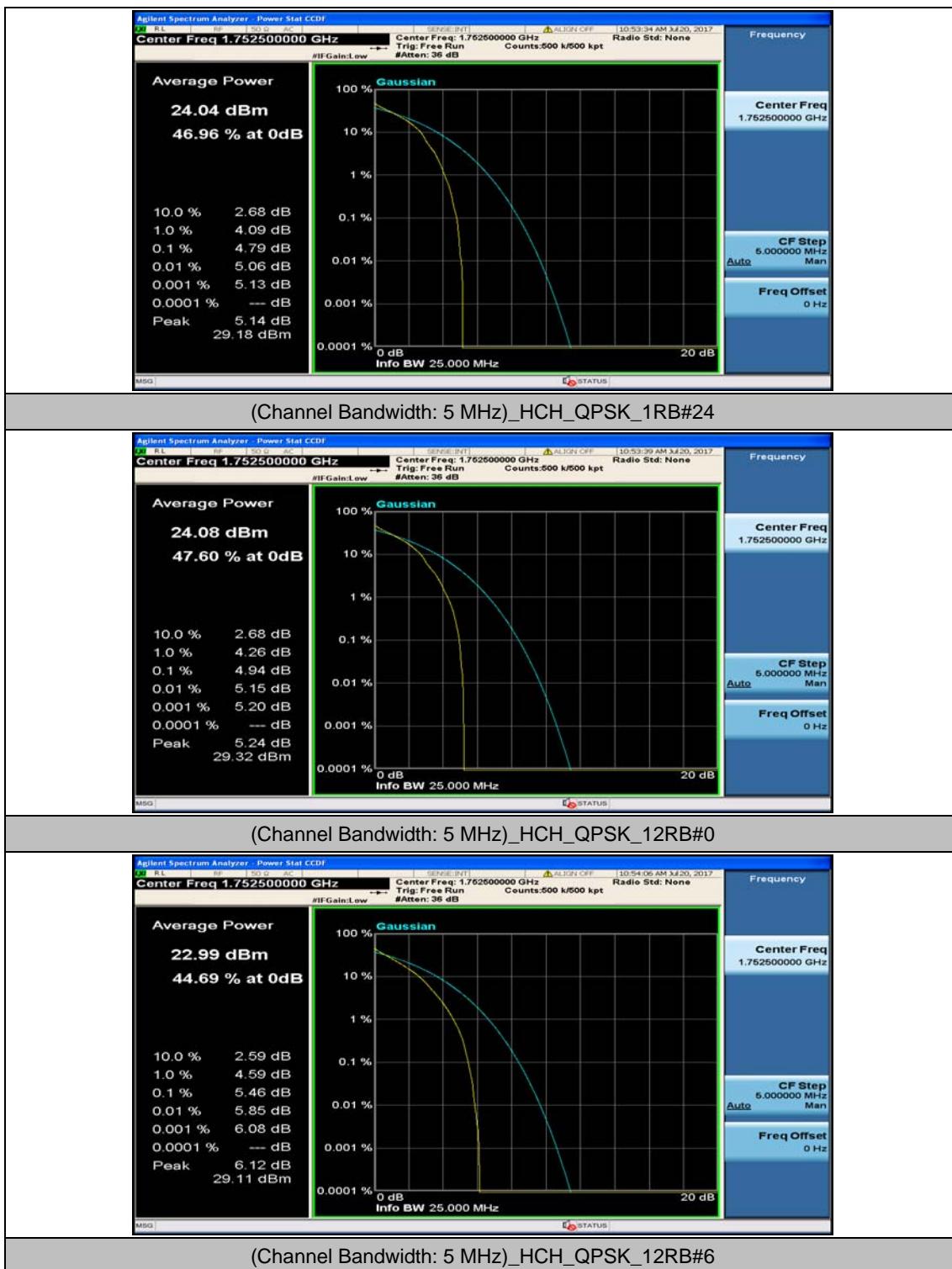


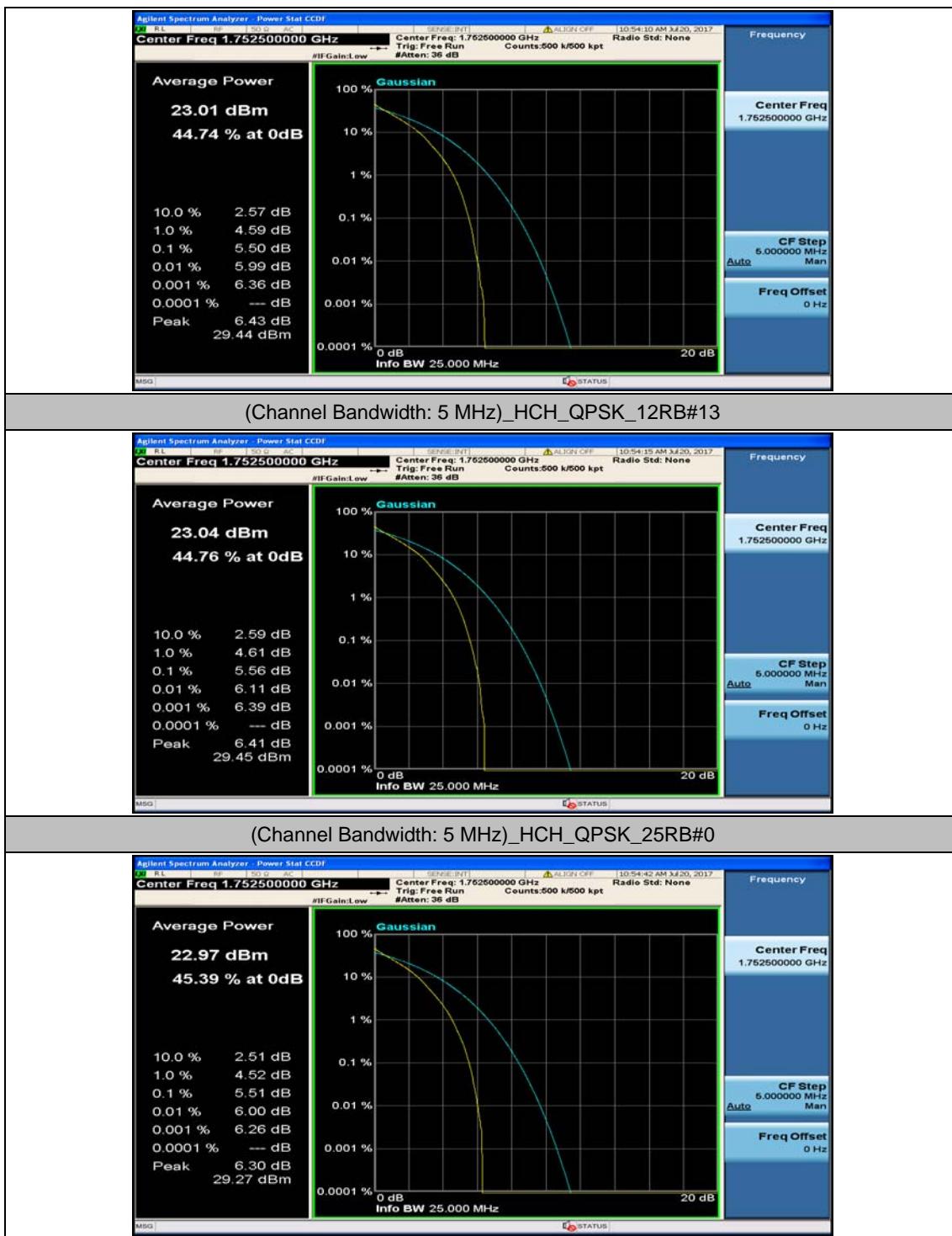


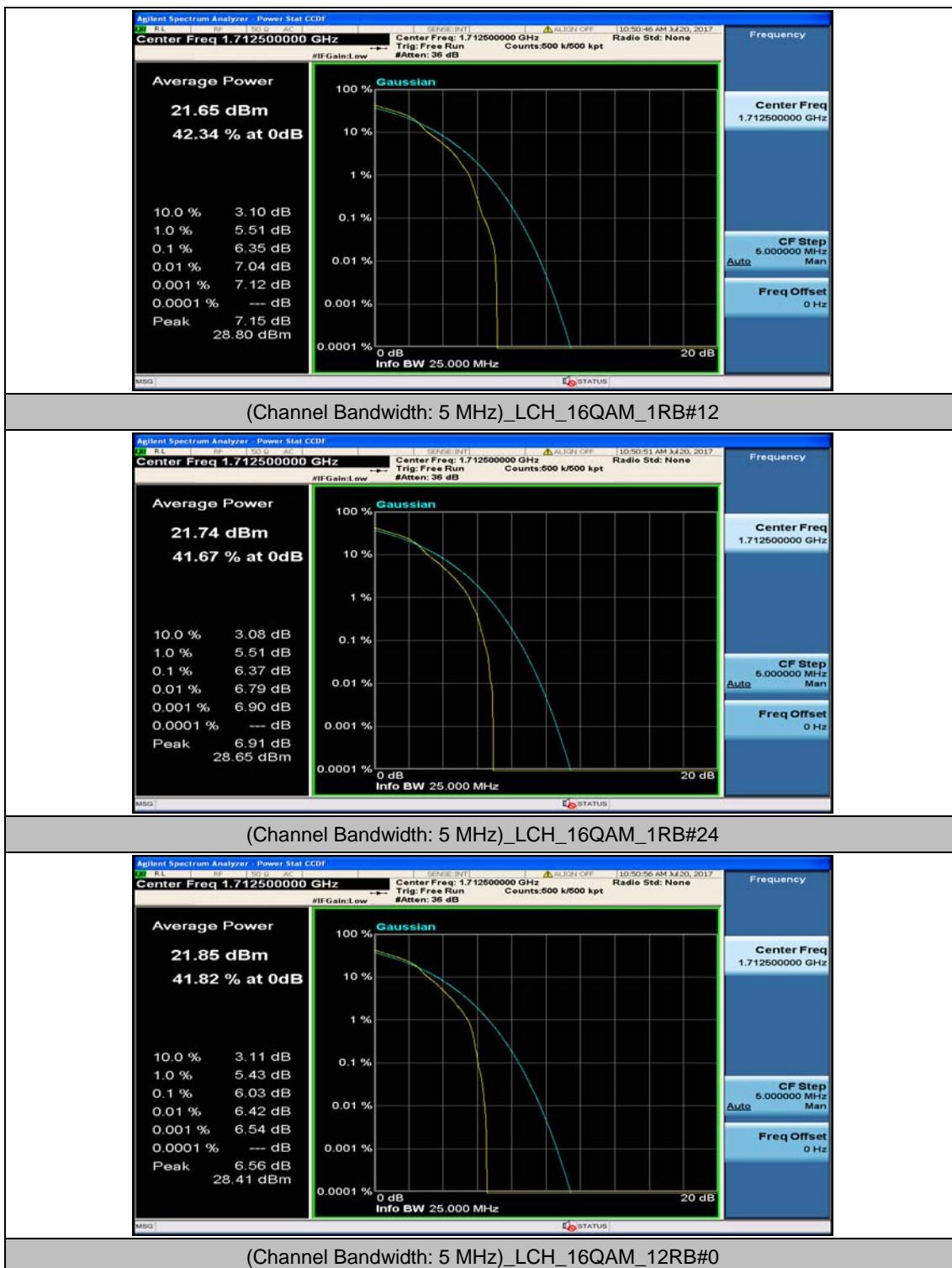
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

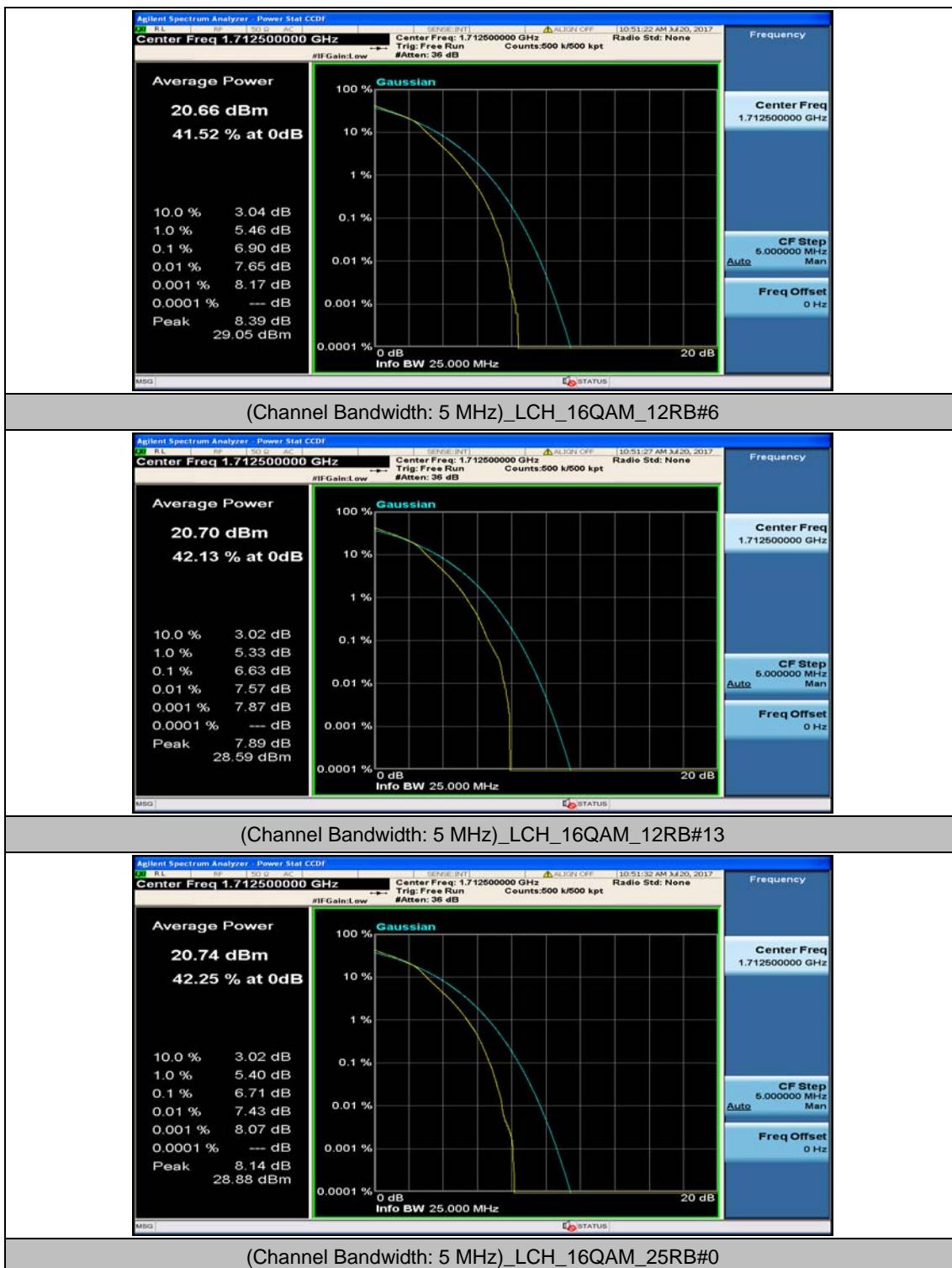


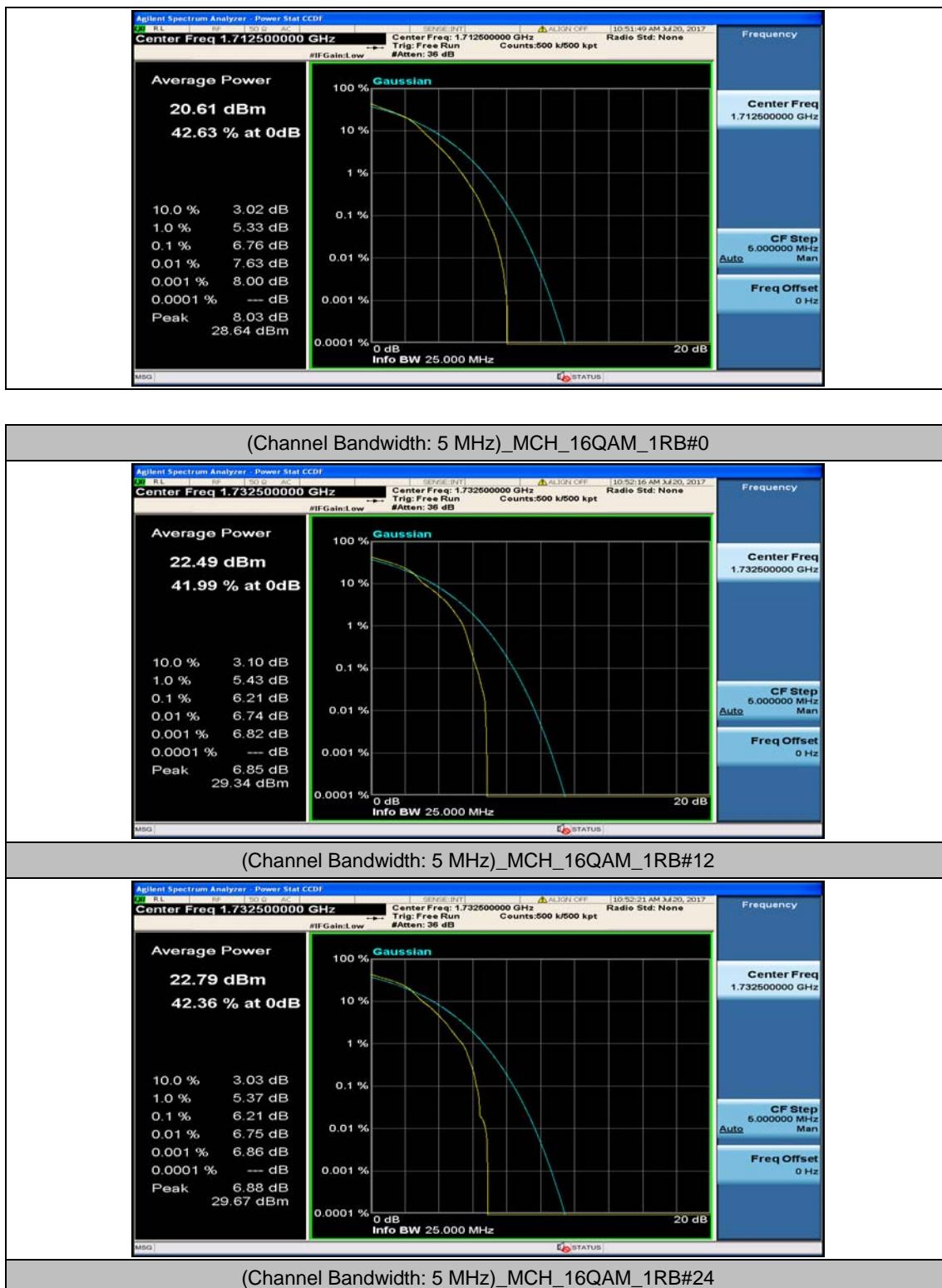


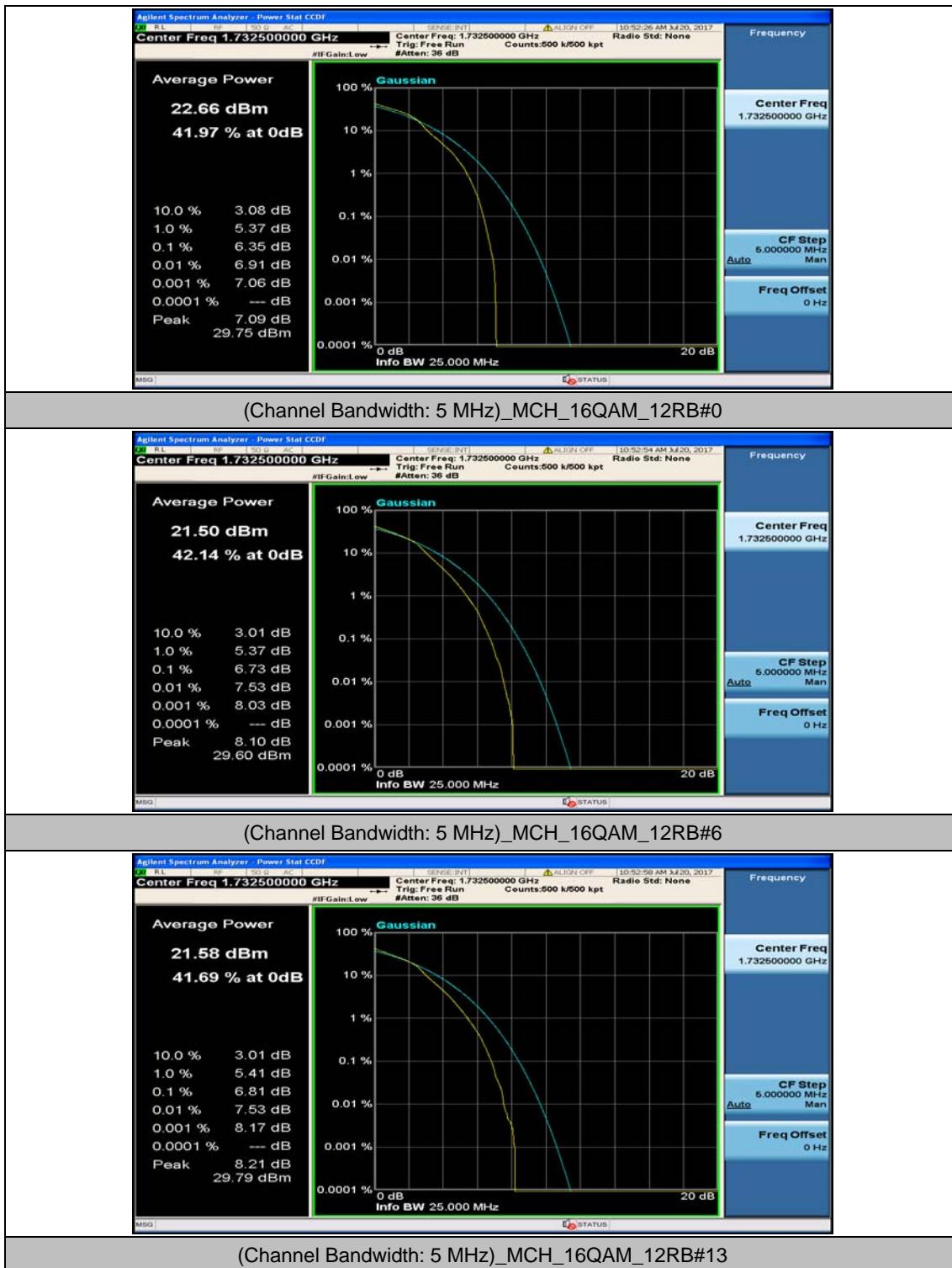


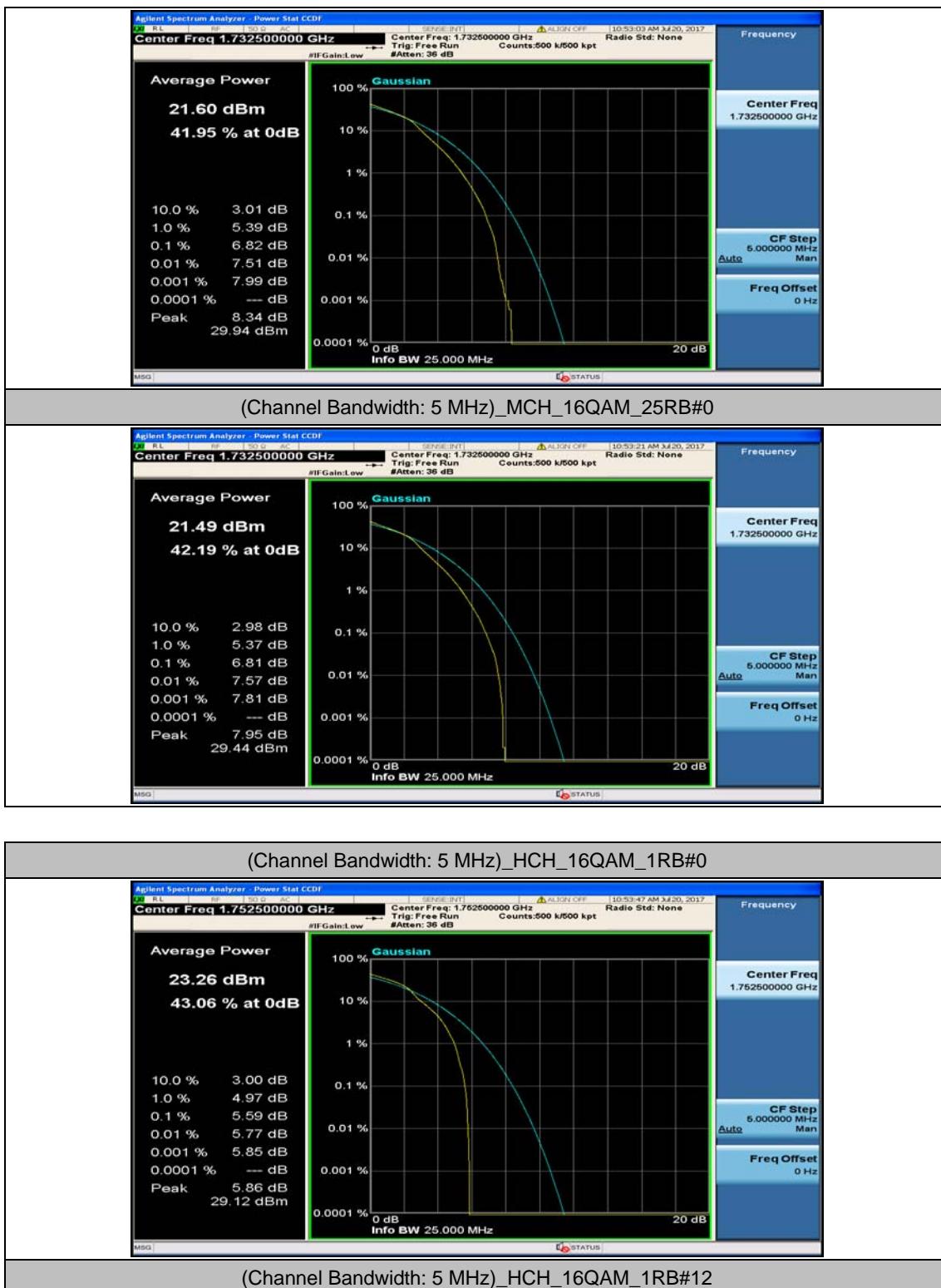


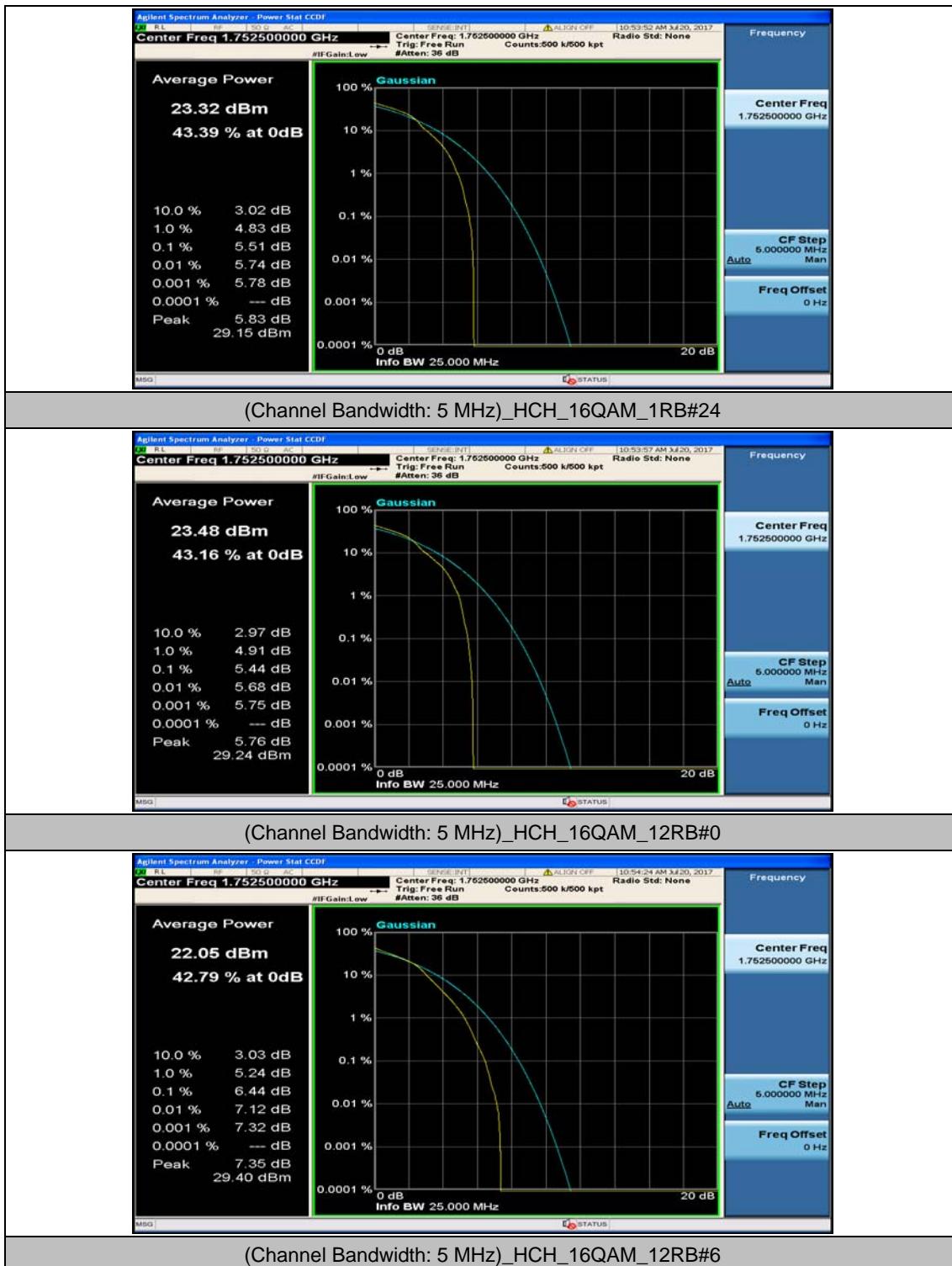


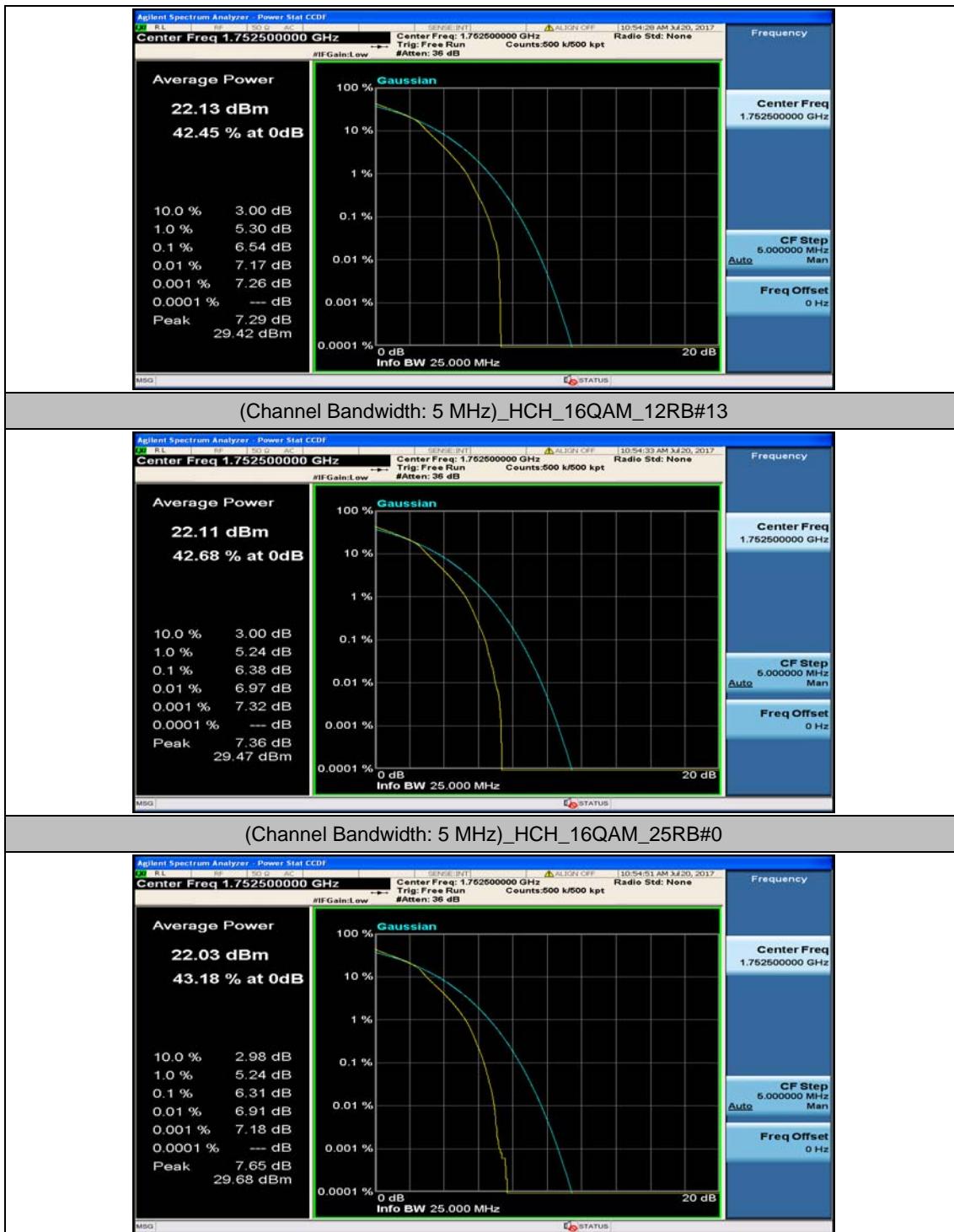












Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0