

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	24.41	PASS
		1	3	24.45	PASS
		1	5	24.47	PASS
		3	0	24.56	PASS
		3	2	24.55	PASS
		3	3	24.57	PASS
		6	0	23.63	PASS
	MCH	1	0	25.19	PASS
		1	3	25.17	PASS
		1	5	25.21	PASS
		3	0	25.23	PASS
		3	2	25.17	PASS
		3	3	25.20	PASS
		6	0	24.26	PASS
16QAM	HCH	1	0	25.22	PASS
		1	3	25.18	PASS
		1	5	25.22	PASS
		3	0	24.35	PASS
		3	2	24.33	PASS
		3	3	24.33	PASS
		6	0	23.32	PASS
	LCH	1	0	23.68	PASS
		1	3	23.81	PASS
		1	5	23.75	PASS
		3	0	23.70	PASS
		3	2	23.65	PASS
		3	3	23.67	PASS
		6	0	22.40	PASS
	MCH	1	0	24.39	PASS
		1	3	24.42	PASS
		1	5	24.38	PASS
		3	0	24.09	PASS
		3	2	24.07	PASS

		3	3	24.08	PASS
		6	0	23.15	PASS
HCH	HCH	1	0	24.36	PASS
		1	3	24.38	PASS
		1	5	24.35	PASS
		3	0	24.27	PASS
		3	2	24.20	PASS
		3	3	24.21	PASS
		6	0	23.40	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.40	PASS
		1	7	24.52	PASS
		1	14	24.53	PASS
		8	0	23.62	PASS
		8	4	23.63	PASS
		8	7	23.66	PASS
		15	0	23.63	PASS
	MCH	1	0	25.12	PASS
		1	7	25.17	PASS
		1	14	25.16	PASS
		8	0	24.29	PASS
		8	4	24.28	PASS
		8	7	24.28	PASS
		15	0	24.21	PASS
16QAM	LCH	1	0	25.26	PASS
		1	7	25.28	PASS
		1	14	25.25	PASS
		8	0	24.37	PASS
		8	4	24.35	PASS
		8	7	24.35	PASS
		15	0	24.29	PASS
	MCH	1	0	23.71	PASS
		1	7	23.83	PASS
		1	14	23.82	PASS
		8	0	22.68	PASS
		8	4	22.72	PASS
		8	7	22.73	PASS
		15	0	22.62	PASS

		1	7	24.29	PASS
		1	14	24.23	PASS
		8	0	23.27	PASS
		8	4	23.30	PASS
		8	7	23.25	PASS
		15	0	23.15	PASS
	HCH	1	0	24.51	PASS
		1	7	24.50	PASS
		1	14	24.41	PASS
		8	0	23.32	PASS
		8	4	23.30	PASS
		8	7	23.30	PASS
		15	0	23.28	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.21	PASS
		1	12	24.50	PASS
		1	24	24.83	PASS
		12	0	23.36	PASS
		12	6	23.49	PASS
		12	13	23.66	PASS
		25	0	23.50	PASS
	MCH	1	0	24.60	PASS
		1	12	24.76	PASS
		1	24	24.81	PASS
		12	0	23.69	PASS
		12	6	23.71	PASS
		12	13	23.73	PASS
		25	0	23.68	PASS
	HCH	1	0	24.83	PASS
		1	12	24.76	PASS
		1	24	24.80	PASS
		12	0	23.74	PASS
		12	6	23.75	PASS
		12	13	23.79	PASS
		25	0	23.77	PASS
16QAM	LCH	1	0	23.95	PASS
		1	12	24.07	PASS
		1	24	24.12	PASS
		12	0	22.85	PASS

		12	6	22.89	PASS
		12	13	22.98	PASS
		25	0	22.76	PASS
MCH	MCH	1	0	24.51	PASS
		1	12	24.45	PASS
		1	24	24.41	PASS
		12	0	23.40	PASS
		12	6	23.39	PASS
		12	13	23.40	PASS
		25	0	23.25	PASS
HCH	HCH	1	0	24.31	PASS
		1	12	24.28	PASS
		1	24	24.16	PASS
		12	0	23.41	PASS
		12	6	23.38	PASS
		12	13	23.36	PASS
		25	0	23.34	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.56	PASS
		1	24	24.77	PASS
		1	49	24.90	PASS
		25	0	23.75	PASS
		25	12	23.87	PASS
		25	25	23.92	PASS
		50	0	23.85	PASS
	MCH	1	0	25.19	PASS
		1	24	25.24	PASS
		1	49	25.27	PASS
		25	0	24.22	PASS
		25	12	24.25	PASS
		25	25	24.25	PASS
		50	0	24.24	PASS
	HCH	1	0	25.29	PASS
		1	24	25.27	PASS
		1	49	25.28	PASS
		25	0	23.97	PASS
		25	12	23.78	PASS
		25	25	23.64	PASS
		50	0	23.68	PASS

16QAM	LCH	1	0	23.86	PASS
		1	24	24.08	PASS
		1	49	24.20	PASS
		25	0	22.79	PASS
		25	12	22.88	PASS
		25	25	22.94	PASS
		50	0	22.88	PASS
	MCH	1	0	24.39	PASS
		1	24	24.34	PASS
		1	49	24.32	PASS
		25	0	23.24	PASS
		25	12	23.23	PASS
		25	25	23.23	PASS
		50	0	23.26	PASS
	HCH	1	0	24.55	PASS
		1	24	24.62	PASS
		1	49	23.90	PASS
		25	0	22.65	PASS
		25	12	22.33	PASS
		25	25	23.05	PASS
		50	0	22.69	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.25	PASS
		1	37	24.26	PASS
		1	74	24.58	PASS
		37	0	23.39	PASS
		37	18	23.46	PASS
		37	38	23.62	PASS
		75	0	23.38	PASS
	MCH	1	0	24.46	PASS
		1	37	24.57	PASS
		1	74	24.62	PASS
		37	0	23.77	PASS
		37	18	23.83	PASS
		37	38	23.78	PASS
		75	0	24.04	PASS
	HCH	1	0	24.74	PASS
		1	37	24.73	PASS
		1	74	24.72	PASS

		37	0	23.89	PASS
		37	18	23.88	PASS
		37	38	23.85	PASS
		75	0	23.89	PASS
16QAM	LCH	1	0	23.43	PASS
		1	37	23.63	PASS
		1	74	23.75	PASS
		37	0	22.01	PASS
		37	18	22.18	PASS
		37	38	22.34	PASS
		75	0	22.26	PASS
	MCH	1	0	23.80	PASS
		1	37	23.83	PASS
		1	74	23.72	PASS
		37	0	23.29	PASS
		37	18	23.47	PASS
		37	38	23.68	PASS
		75	0	22.91	PASS
	HCH	1	0	23.91	PASS
		1	37	24.04	PASS
		1	74	23.91	PASS
		37	0	22.84	PASS
		37	18	22.85	PASS
		37	38	22.83	PASS
		75	0	22.83	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.55	PASS
		1	49	24.68	PASS
		1	99	24.71	PASS
		50	0	23.71	PASS
		50	25	23.75	PASS
		50	50	23.82	PASS
		100	0	23.71	PASS
	MCH	1	0	25.29	PASS
		1	49	25.29	PASS
		1	99	25.29	PASS
		50	0	24.31	PASS
		50	25	24.30	PASS
		50	50	24.30	PASS

		100	0	24.24	PASS
	HCH	1	0	25.43	PASS
		1	49	25.40	PASS
		1	99	25.39	PASS
		50	0	25.29	PASS
		50	25	25.25	PASS
		50	50	25.24	PASS
		100	0	24.33	PASS
	LCH	1	0	23.39	PASS
		1	49	23.72	PASS
		1	99	23.92	PASS
		50	0	22.35	PASS
		50	25	22.50	PASS
		50	50	22.65	PASS
		100	0	22.51	PASS
	MCH	1	0	23.80	PASS
		1	49	23.88	PASS
		1	99	23.92	PASS
		50	0	22.67	PASS
		50	25	22.67	PASS
		50	50	22.72	PASS
		100	0	22.69	PASS
	HCH	1	0	23.97	PASS
		1	49	24.09	PASS
		1	99	24.02	PASS
		50	0	22.81	PASS
		50	25	22.81	PASS
		50	50	22.82	PASS
		100	0	22.78	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	4.31	<13	PASS
		1	3	4.25	<13	PASS
		1	5	4.35	<13	PASS
		3	0	4.33	<13	PASS
		3	2	4.37	<13	PASS
		3	3	4.27	<13	PASS
		6	0	5.25	<13	PASS
	MCH	1	0	3.03	<13	PASS
		1	3	2.98	<13	PASS
		1	5	2.95	<13	PASS
		3	0	3.27	<13	PASS
		3	2	3.14	<13	PASS
		3	3	3.11	<13	PASS
		6	0	3.89	<13	PASS
16QAM	LCH	1	0	3.45	<13	PASS
		1	3	3.27	<13	PASS
		1	5	3.18	<13	PASS
		3	0	3.4	<13	PASS
		3	2	3.31	<13	PASS
		3	3	3.27	<13	PASS
		6	0	4.32	<13	PASS
	MCH	1	0	5.26	<13	PASS
		1	3	5.22	<13	PASS
		1	5	5.27	<13	PASS
		3	0	5.28	<13	PASS
		3	2	5.31	<13	PASS
		3	3	5.3	<13	PASS
		6	0	6.12	<13	PASS

		3	2	4.14	<13	PASS
		3	3	3.9	<13	PASS
		6	0	4.59	<13	PASS
HCH		1	0	4.25	<13	PASS
		1	3	4.37	<13	PASS
		1	5	4.23	<13	PASS
		3	0	4.26	<13	PASS
		3	2	4.2	<13	PASS
		3	3	4.14	<13	PASS
		6	0	5.27	<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	4.31	<13	PASS
		1	7	4.37	<13	PASS
		1	14	4.43	<13	PASS
		8	0	5.28	<13	PASS
		8	4	5.23	<13	PASS
		8	7	5.32	<13	PASS
		15	0	5.4	<13	PASS
	MCH	1	0	3.22	<13	PASS
		1	7	3.12	<13	PASS
		1	14	2.97	<13	PASS
		8	0	3.83	<13	PASS
		8	4	3.75	<13	PASS
		8	7	3.84	<13	PASS
		15	0	3.74	<13	PASS
	HCH	1	0	3.16	<13	PASS
		1	7	3.36	<13	PASS
		1	14	3.1	<13	PASS
		8	0	4.57	<13	PASS
		8	4	4.49	<13	PASS
		8	7	4.34	<13	PASS
		15	0	4.62	<13	PASS
16QAM	LCH	1	0	5.17	<13	PASS
		1	7	5.24	<13	PASS
		1	14	5.26	<13	PASS
		8	0	5.9	<13	PASS
		8	4	6.07	<13	PASS

		8	7	6.07	<13	PASS
		15	0	6.24	<13	PASS
MCH		1	0	4.19	<13	PASS
		1	7	4.23	<13	PASS
		1	14	3.97	<13	PASS
		8	0	4.48	<13	PASS
		8	4	4.63	<13	PASS
		8	7	4.44	<13	PASS
		15	0	4.73	<13	PASS
HCH		1	0	4.53	<13	PASS
		1	7	4.33	<13	PASS
		1	14	4.2	<13	PASS
		8	0	5.37	<13	PASS
		8	4	5.41	<13	PASS
		8	7	5.27	<13	PASS
		15	0	5.52	<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	4.13	<13	PASS
		1	12	4.29	<13	PASS
		1	24	4.35	<13	PASS
		12	0	5.3	<13	PASS
		12	6	5.3	<13	PASS
		12	13	5.27	<13	PASS
		25	0	5.38	<13	PASS
	MCH	1	0	3.18	<13	PASS
		1	12	3	<13	PASS
		1	24	2.82	<13	PASS
		12	0	4.23	<13	PASS
		12	6	4.15	<13	PASS
		12	13	4.12	<13	PASS
		25	0	4.13	<13	PASS
	HCH	1	0	3.76	<13	PASS
		1	12	3.52	<13	PASS
		1	24	3.1	<13	PASS
		12	0	4.81	<13	PASS
		12	6	4.68	<13	PASS
		12	13	4.53	<13	PASS

		25	0	4.73	<13	PASS
16QAM	LCH	1	0	5.02	<13	PASS
		1	12	5.12	<13	PASS
		1	24	5.43	<13	PASS
		12	0	6.06	<13	PASS
		12	6	6.11	<13	PASS
		12	13	6.23	<13	PASS
		25	0	6.22	<13	PASS
	MCH	1	0	4.12	<13	PASS
		1	12	4.03	<13	PASS
		1	24	3.92	<13	PASS
		12	0	5	<13	PASS
		12	6	4.96	<13	PASS
		12	13	4.51	<13	PASS
		25	0	4.62	<13	PASS
	HCH	1	0	4.49	<13	PASS
		1	12	4.28	<13	PASS
		1	24	4.04	<13	PASS
		12	0	5.77	<13	PASS
		12	6	5.67	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.67	<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	4.22	<13	PASS
		1	24	4.46	<13	PASS
		1	49	4.67	<13	PASS
		25	0	5.31	<13	PASS
		25	12	5.4	<13	PASS
		25	25	5.45	<13	PASS
		50	0	5.43	<13	PASS
	MCH	1	0	3.6	<13	PASS
		1	24	3.03	<13	PASS
		1	49	2.88	<13	PASS
		25	0	4.44	<13	PASS
		25	12	4.21	<13	PASS
		25	25	4.1	<13	PASS
		50	0	4.36	<13	PASS

		1	0	3.51	<13	PASS
	HCH	1	24	3.66	<13	PASS
		1	49	3.09	<13	PASS
		25	0	4.93	<13	PASS
		25	12	4.91	<13	PASS
		25	25	4.74	<13	PASS
		50	0	4.86	<13	PASS
		1	0	5.08	<13	PASS
	LCH	1	24	5.32	<13	PASS
		1	49	5.59	<13	PASS
		25	0	6.04	<13	PASS
		25	12	6.25	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.27	<13	PASS
		1	0	4.61	<13	PASS
	MCH	1	24	4.02	<13	PASS
		1	49	3.85	<13	PASS
		25	0	5.36	<13	PASS
		25	12	5.15	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.24	<13	PASS
		1	0	4.56	<13	PASS
	HCH	1	24	4.64	<13	PASS
		1	49	4.18	<13	PASS
		25	0	5.8	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.69	<13	PASS
		50	0	5.77	<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	4.14	<13	PASS
		1	37	4.6	<13	PASS
		1	74	4.2	<13	PASS
		37	0	5.35	<13	PASS
		37	18	5.43	<13	PASS
		37	38	5.41	<13	PASS
		75	0	5.72	<13	PASS
	MCH	1	0	3.95	<13	PASS

		1	37	3	<13	PASS
		1	74	2.94	<13	PASS
		37	0	4.54	<13	PASS
		37	18	4.1	<13	PASS
		37	38	3.99	<13	PASS
		75	0	4.72	<13	PASS
		1	0	3.08	<13	PASS
		1	37	3.86	<13	PASS
		1	74	3.18	<13	PASS
		37	0	4.56	<13	PASS
		37	18	4.8	<13	PASS
		37	38	4.77	<13	PASS
		75	0	5.03	<13	PASS
16QAM	LCH	1	0	5.07	<13	PASS
		1	37	5.49	<13	PASS
		1	74	5.12	<13	PASS
		37	0	6.21	<13	PASS
		37	18	6.31	<13	PASS
		37	38	6.27	<13	PASS
		75	0	6.42	<13	PASS
	MCH	1	0	4.89	<13	PASS
		1	37	3.98	<13	PASS
		1	74	3.91	<13	PASS
		37	0	5.46	<13	PASS
		37	18	5.14	<13	PASS
		37	38	5	<13	PASS
		75	0	5.54	<13	PASS
	HCH	1	0	3.97	<13	PASS
		1	37	4.65	<13	PASS
		1	74	4.19	<13	PASS
		37	0	5.54	<13	PASS
		37	18	5.74	<13	PASS
		37	38	5.76	<13	PASS
		75	0	5.84	<13	PASS

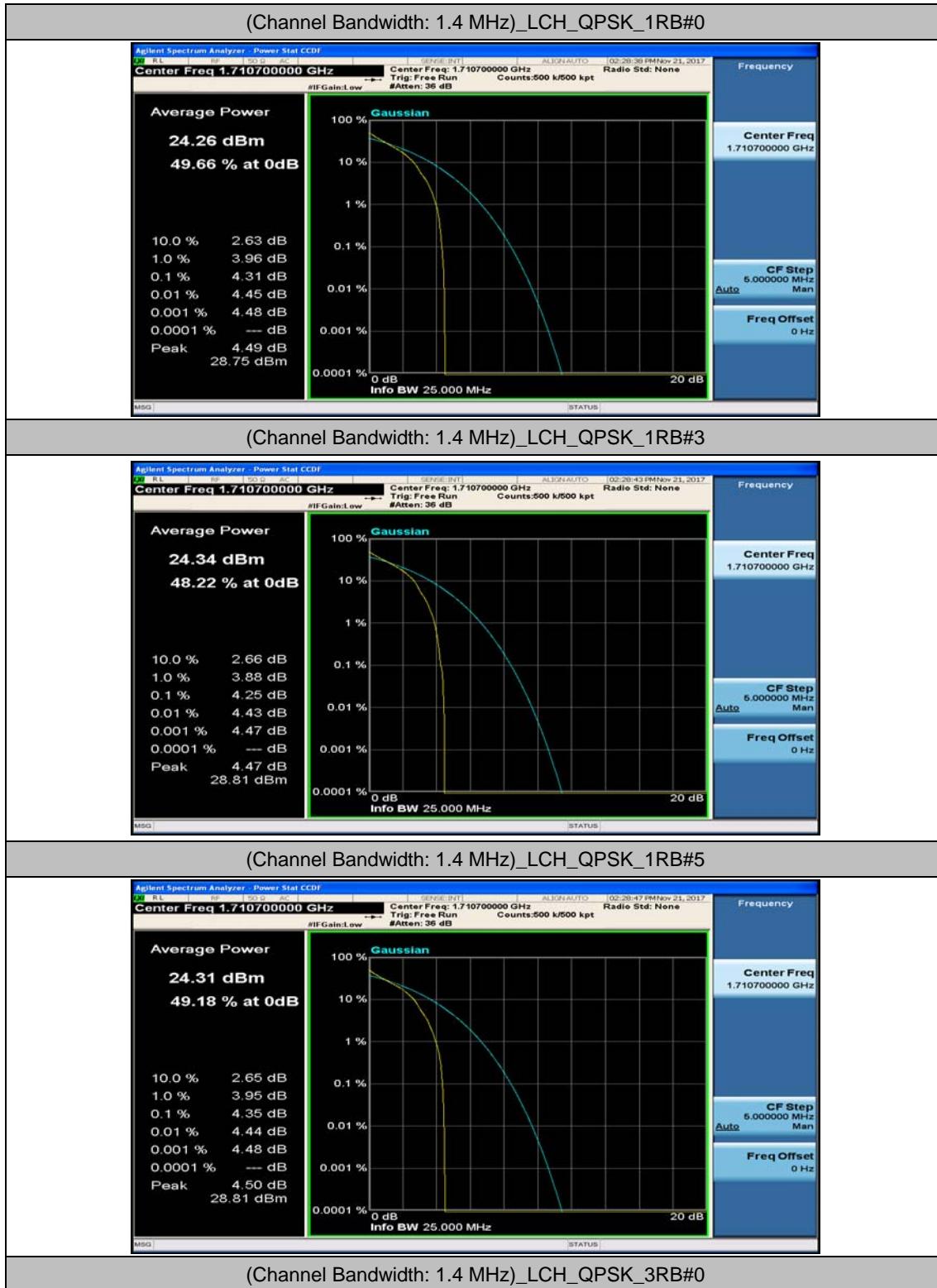
Channel Bandwidth: 20 MHz

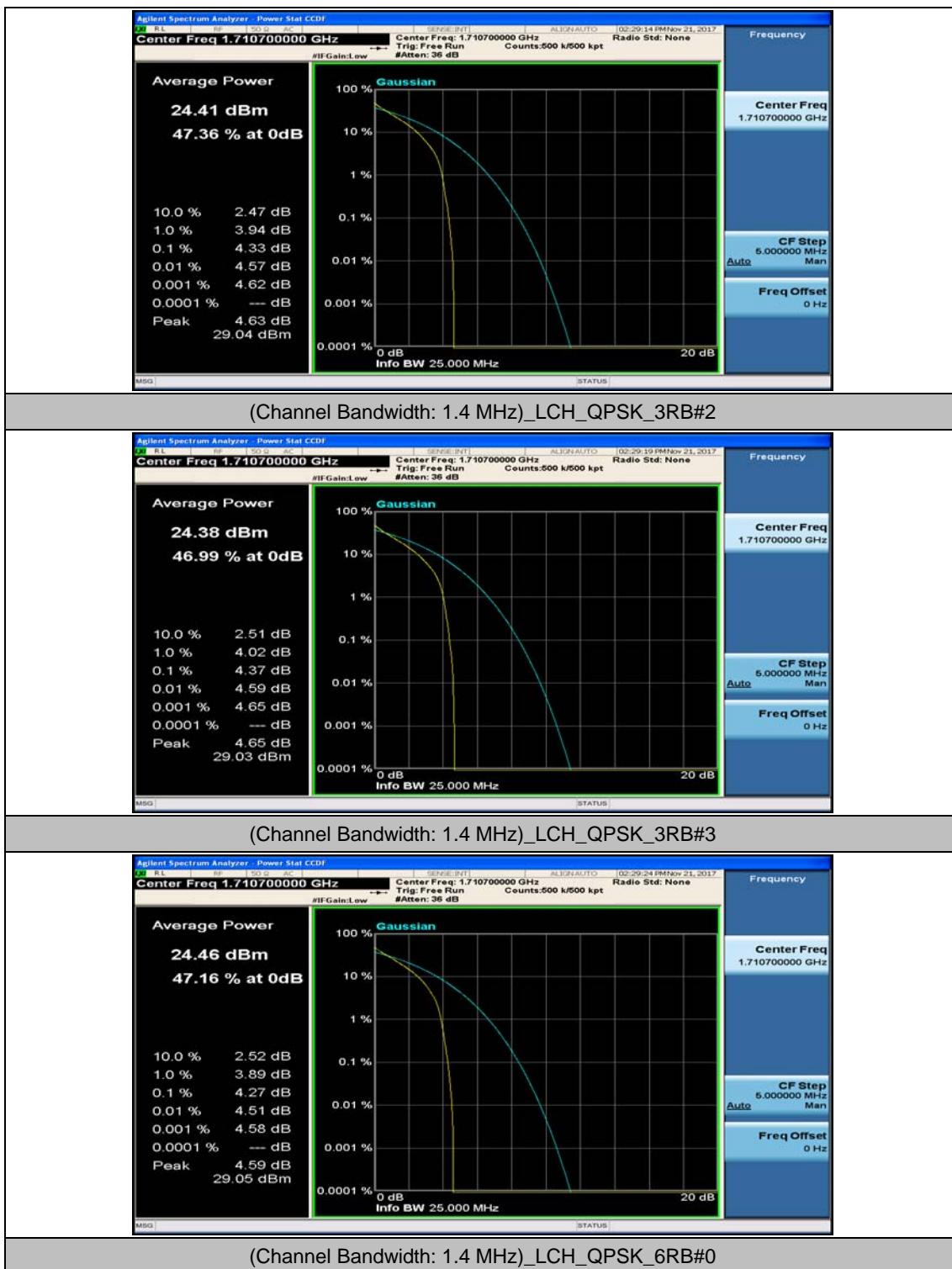
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.15	<13	PASS
		1	49	4.45	<13	PASS

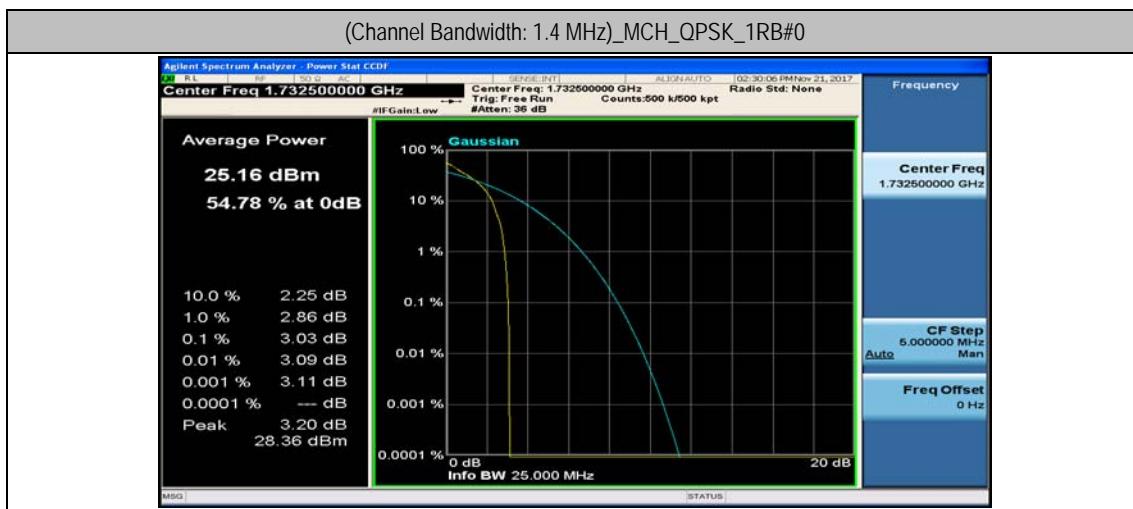
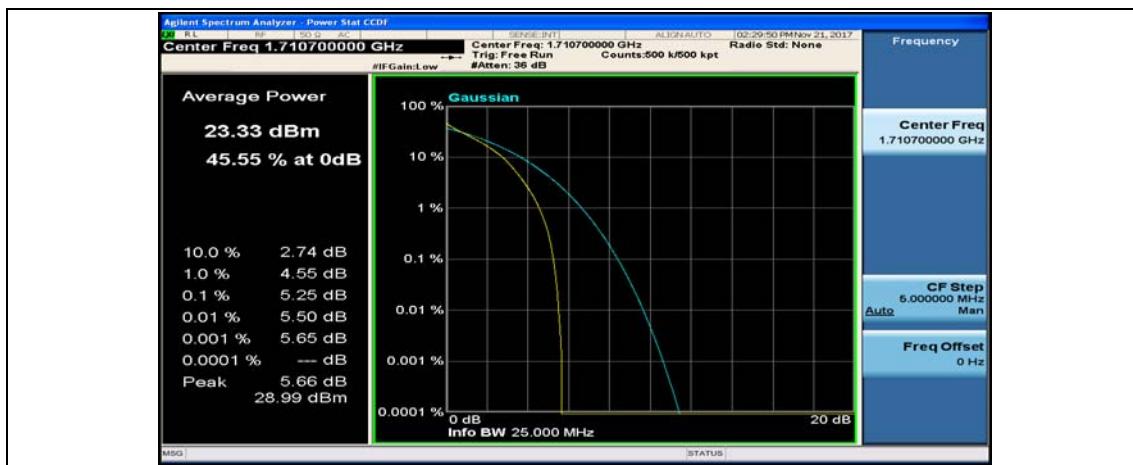
		1	99	3.37	<13	PASS
		50	0	5.41	<13	PASS
		50	25	5.44	<13	PASS
		50	50	5.2	<13	PASS
		100	0	5.49	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	49	3	<13	PASS
		1	99	3.1	<13	PASS
		50	0	4.8	<13	PASS
		50	25	4.33	<13	PASS
		50	50	4.24	<13	PASS
		100	0	4.9	<13	PASS
	HCH	1	0	2.83	<13	PASS
		1	49	3.55	<13	PASS
		1	99	3.22	<13	PASS
		50	0	4.47	<13	PASS
		50	25	4.79	<13	PASS
		50	50	4.95	<13	PASS
		100	0	5.04	<13	PASS
	LCH	1	0	4.94	<13	PASS
		1	49	5.52	<13	PASS
		1	99	4.22	<13	PASS
		50	0	6.28	<13	PASS
		50	25	6.3	<13	PASS
		50	50	6.02	<13	PASS
		100	0	6.29	<13	PASS
	MCH	1	0	5.08	<13	PASS
		1	49	3.65	<13	PASS
		1	99	3.96	<13	PASS
		50	0	5.68	<13	PASS
		50	25	5.24	<13	PASS
		50	50	5.15	<13	PASS
		100	0	5.75	<13	PASS
	HCH	1	0	3.69	<13	PASS
		1	49	4.31	<13	PASS
		1	99	4.13	<13	PASS
		50	0	5.32	<13	PASS
		50	25	5.64	<13	PASS
		50	50	5.81	<13	PASS
		100	0	5.87	<13	PASS

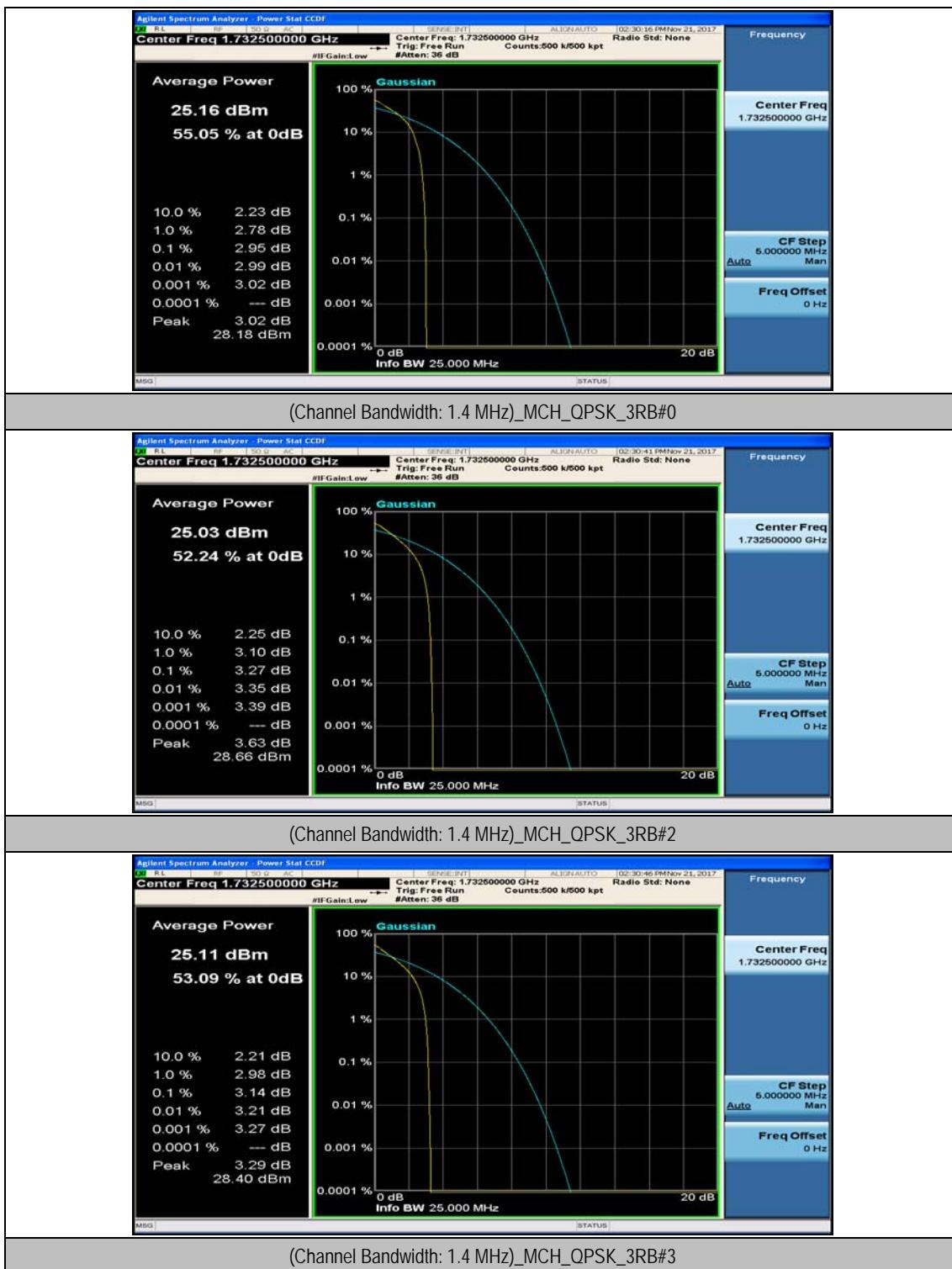
Test Graphs

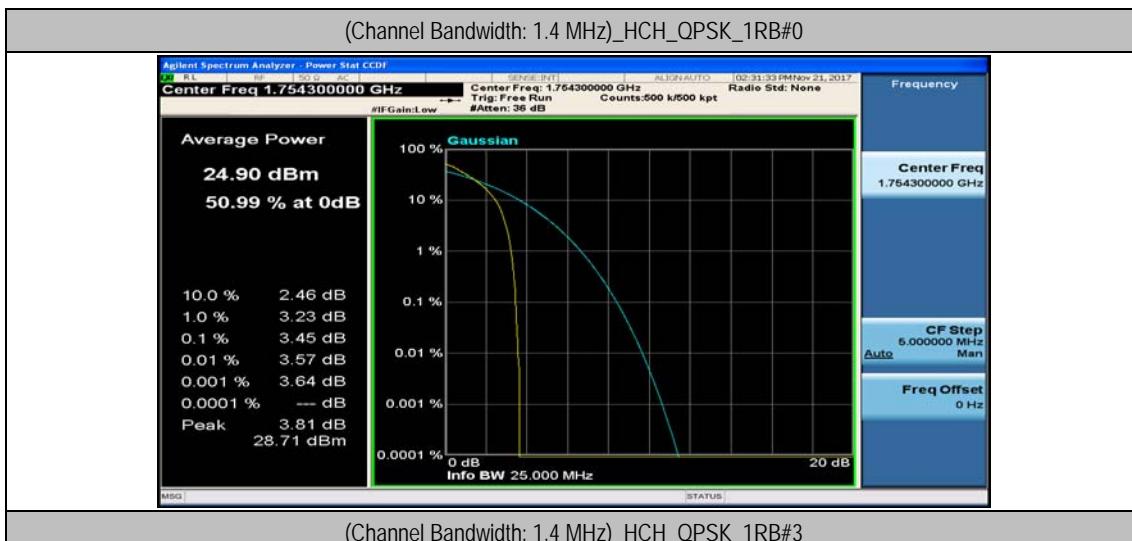
Channel Bandwidth: 1.4 MHz



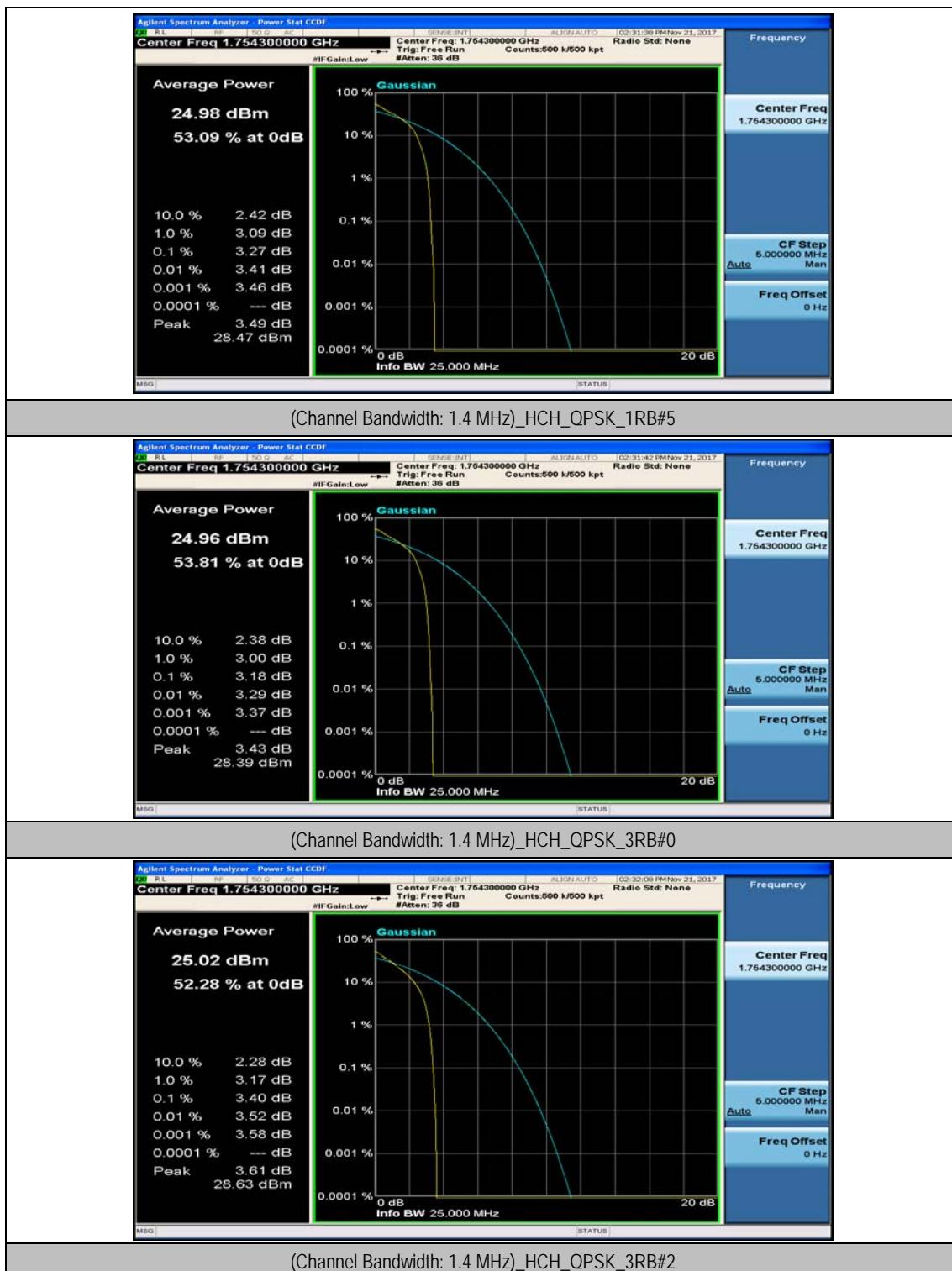


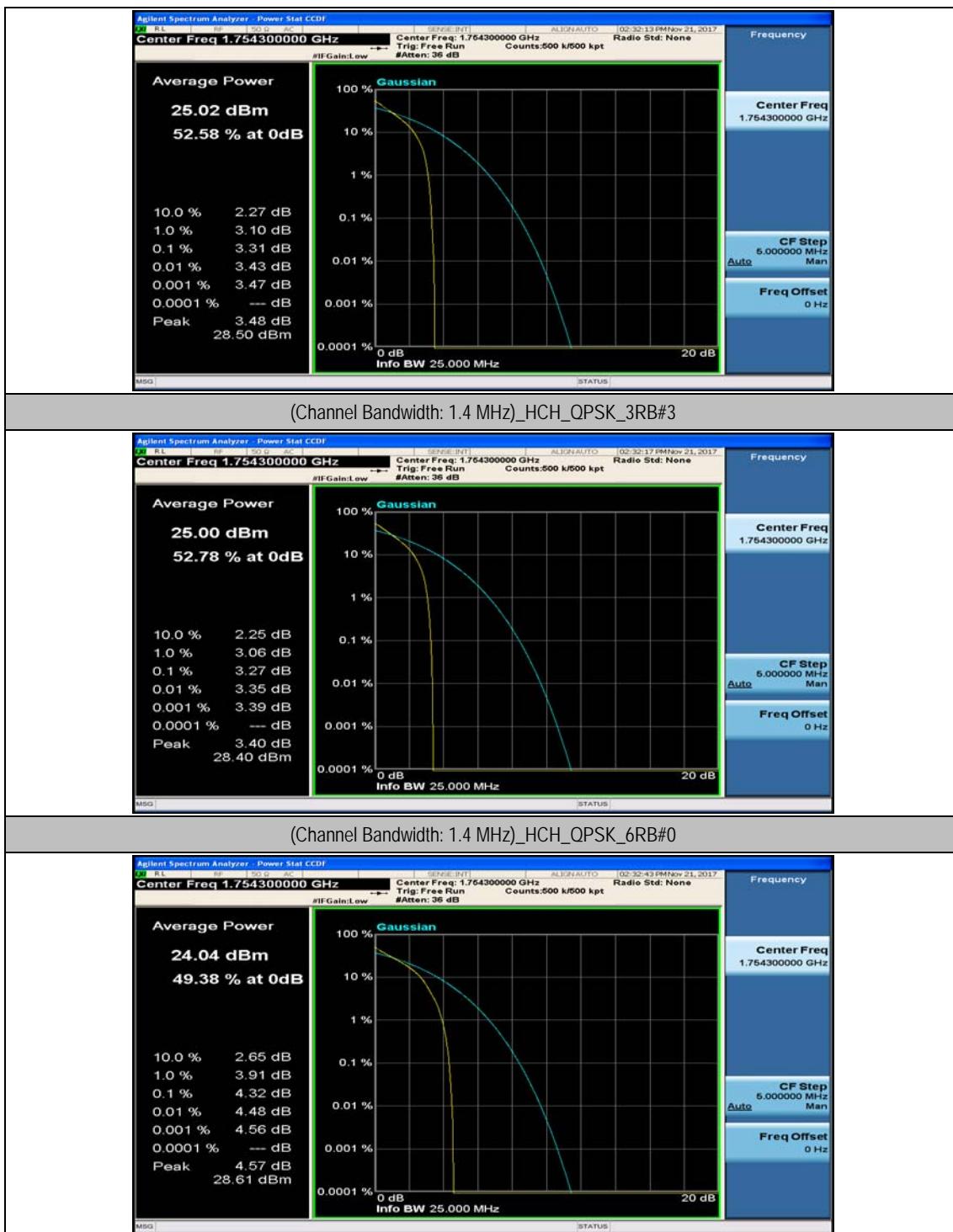


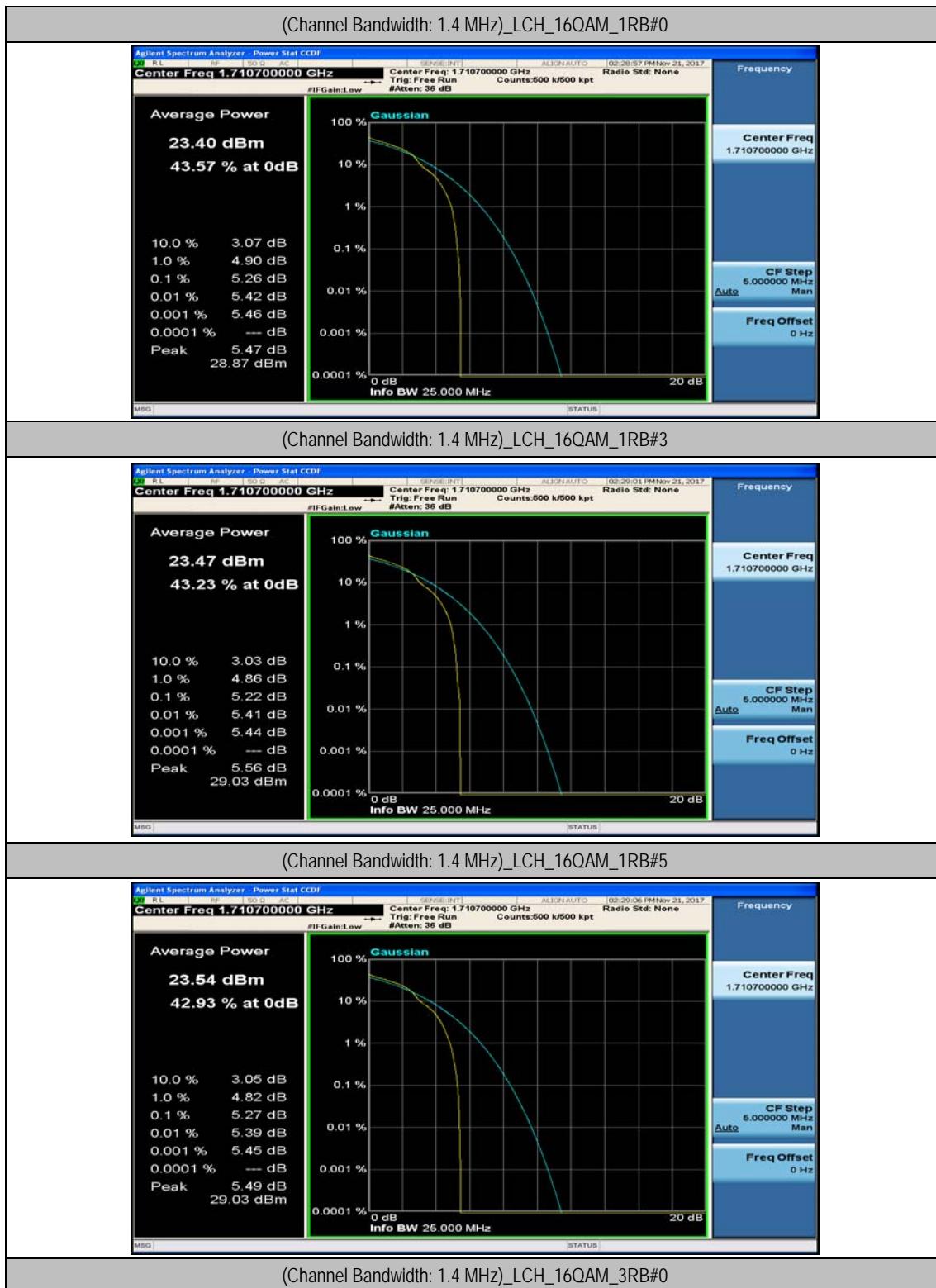


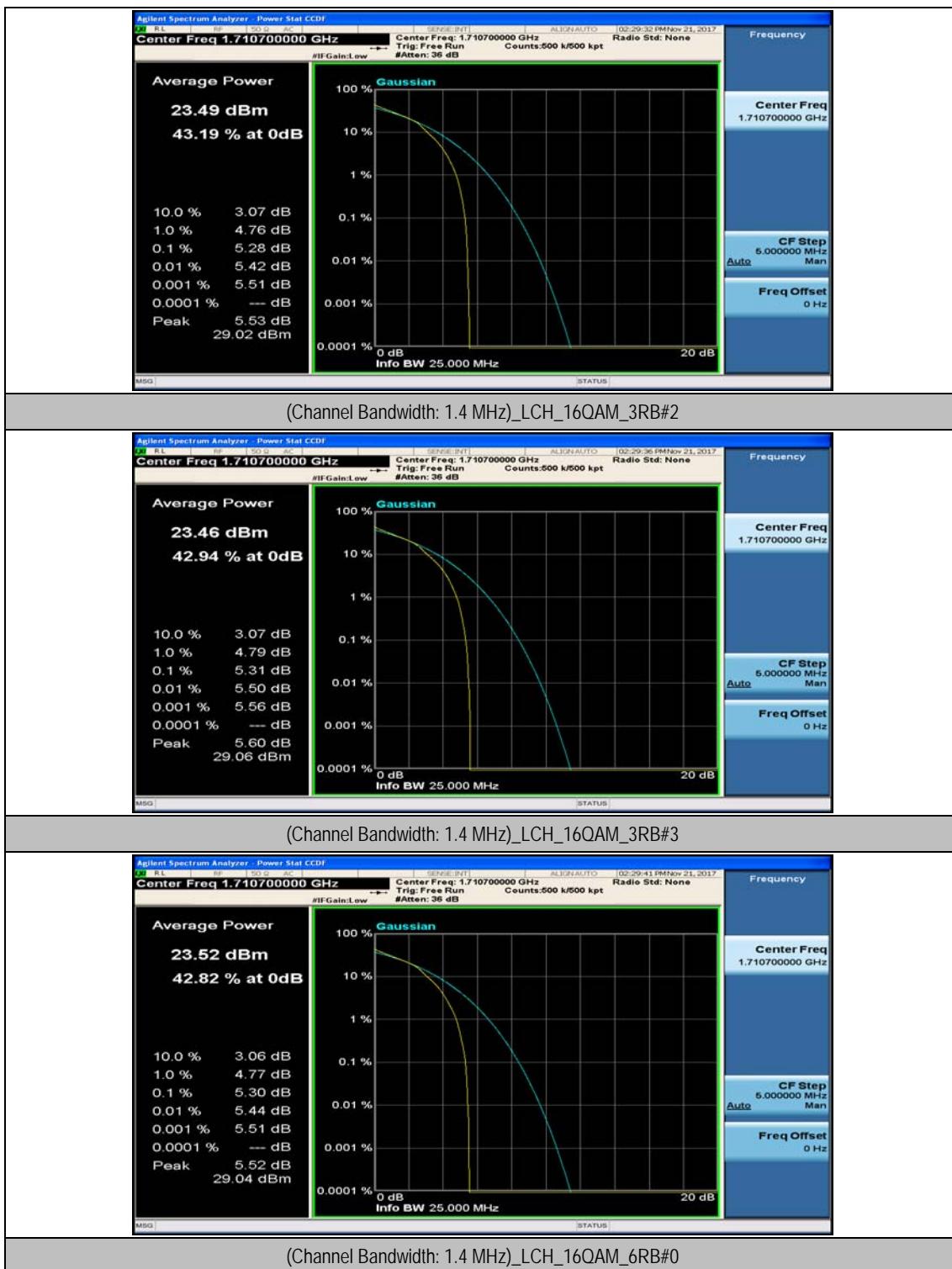


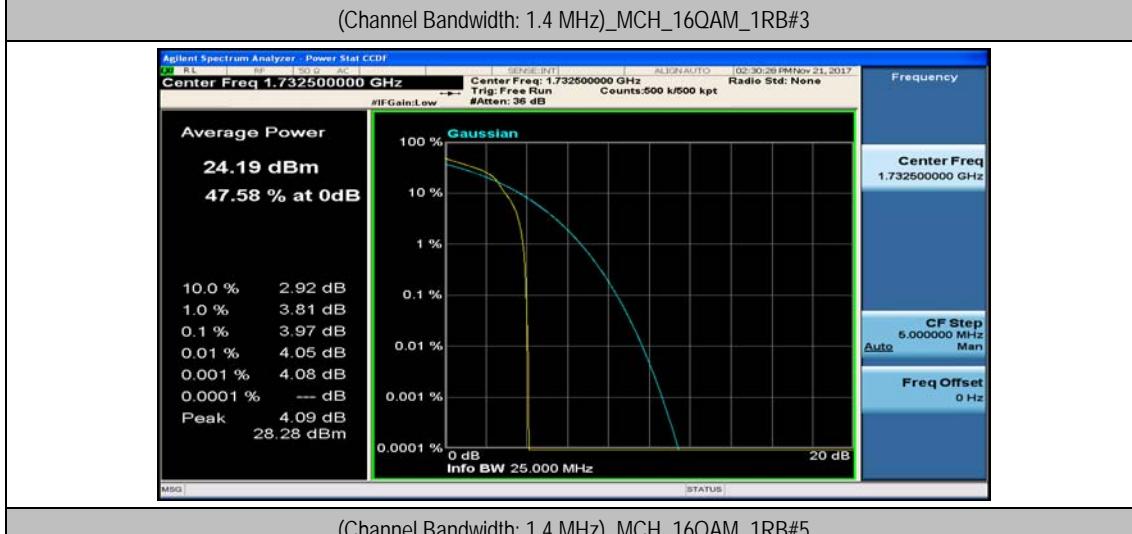
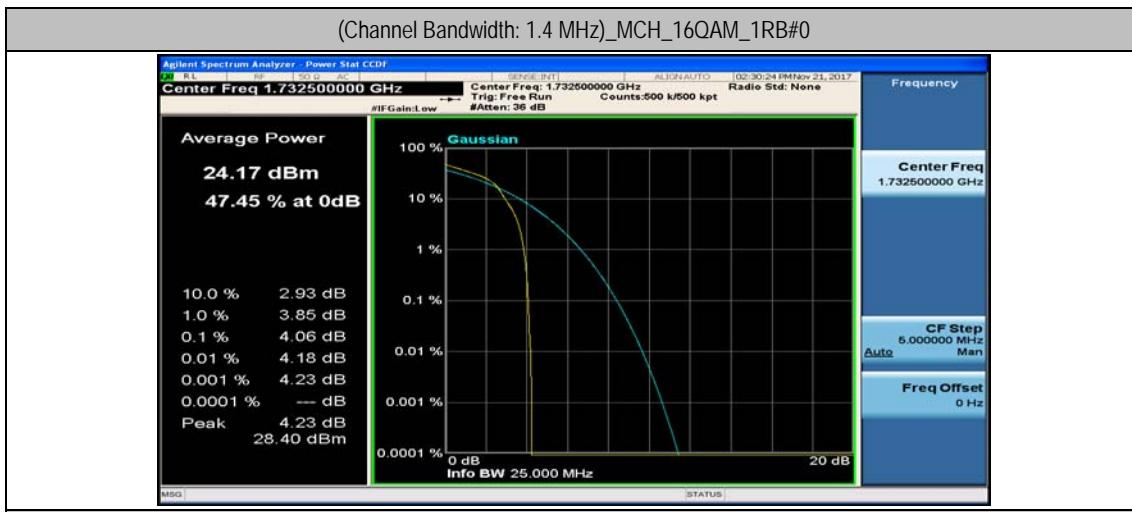
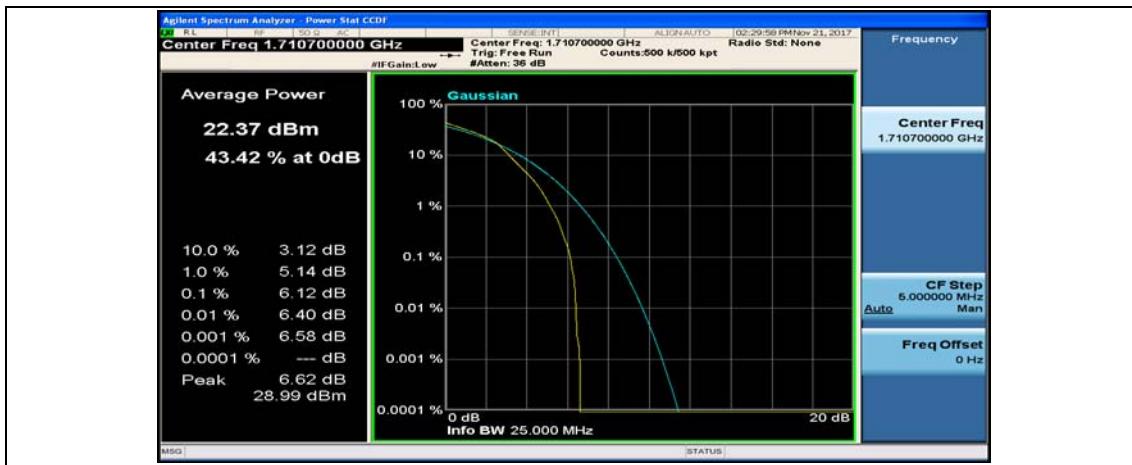
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

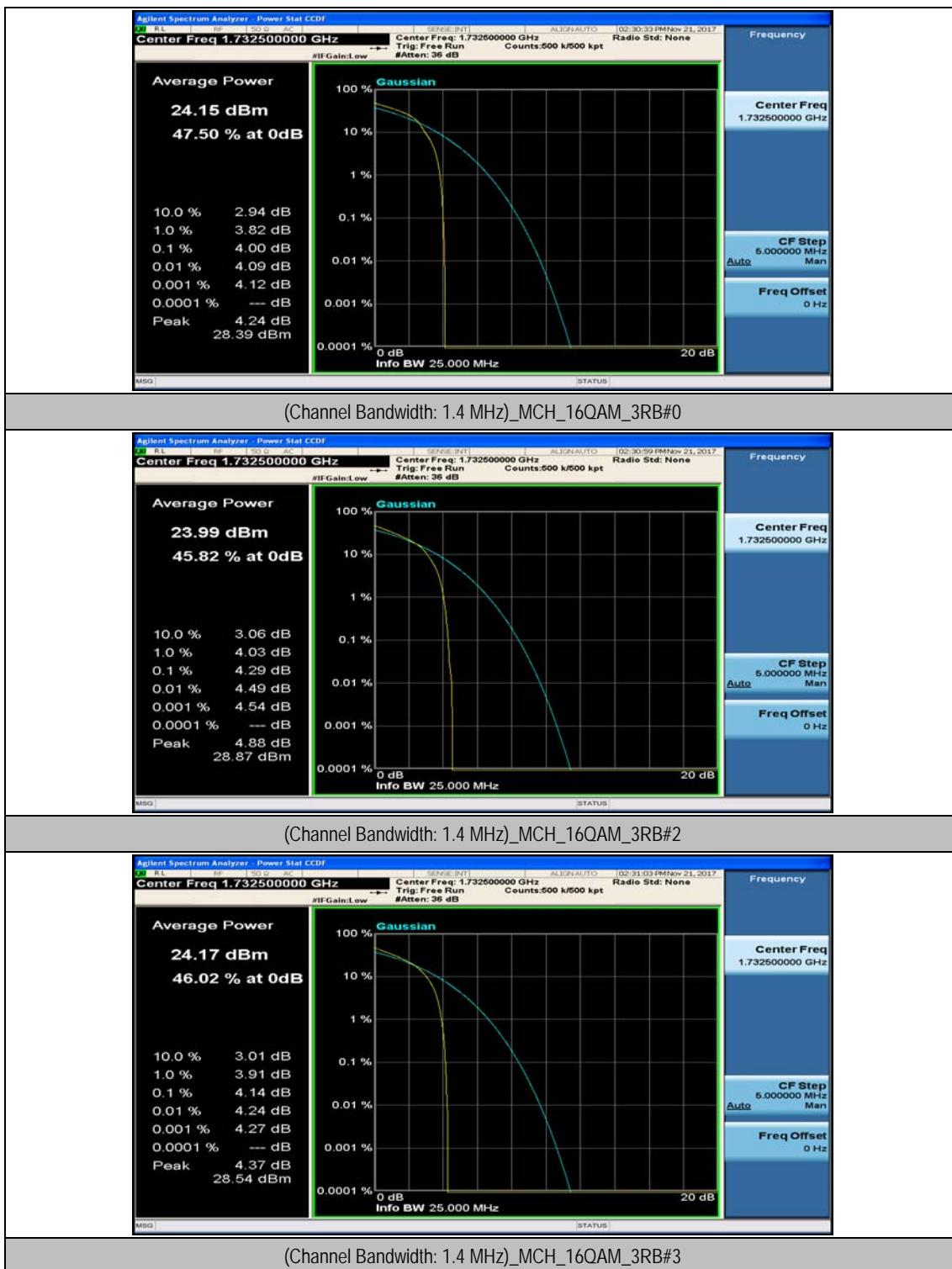


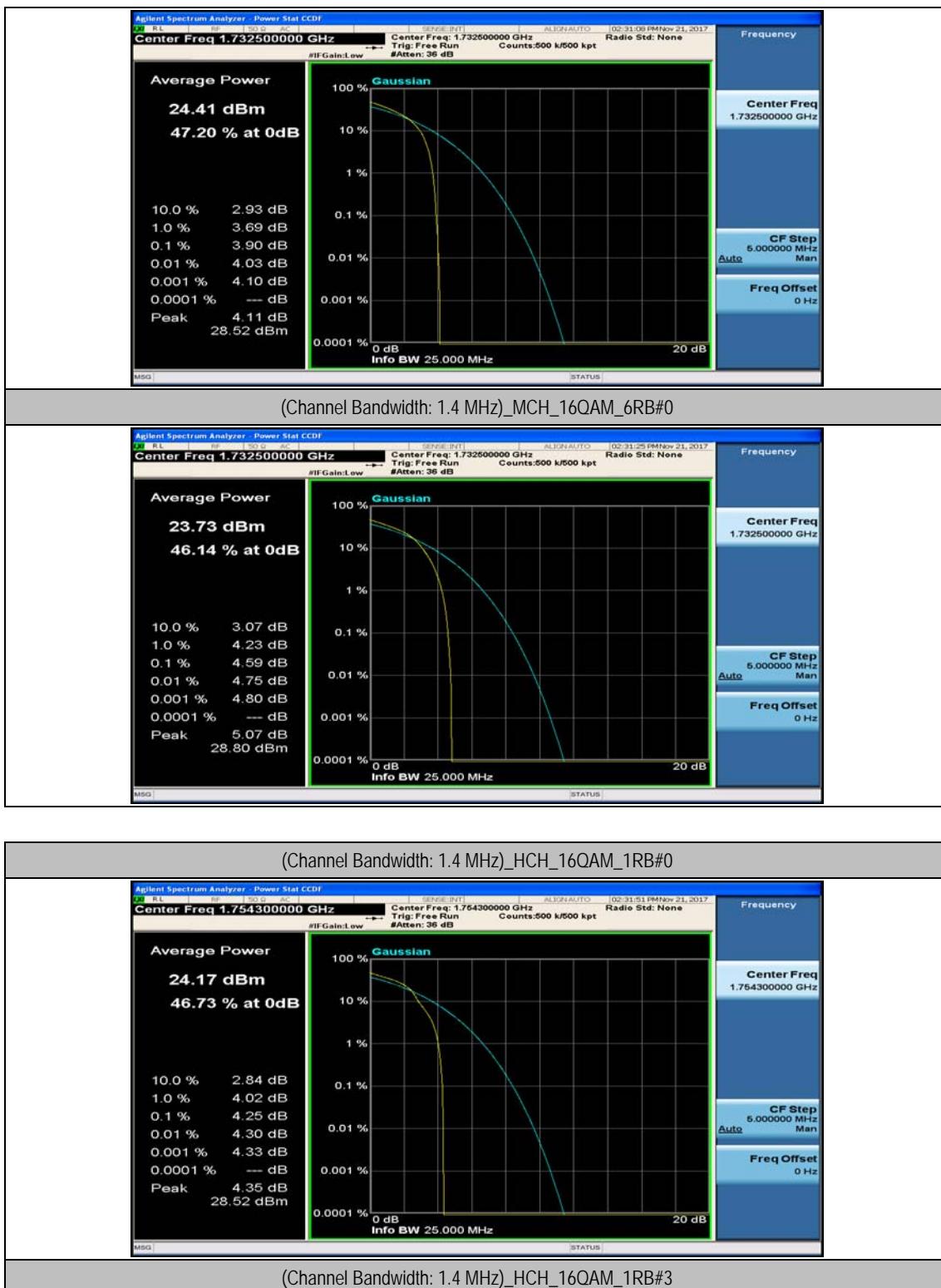


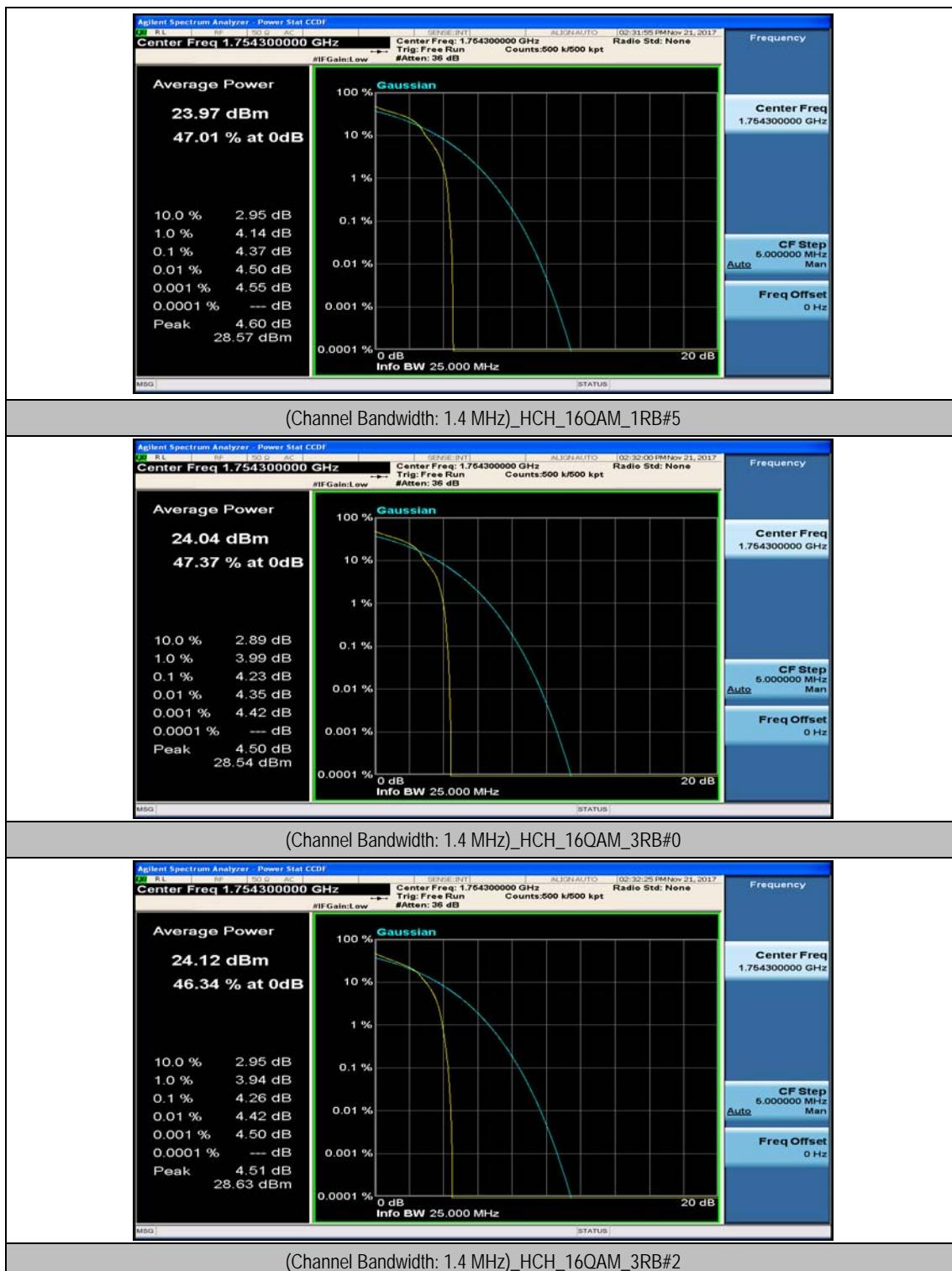


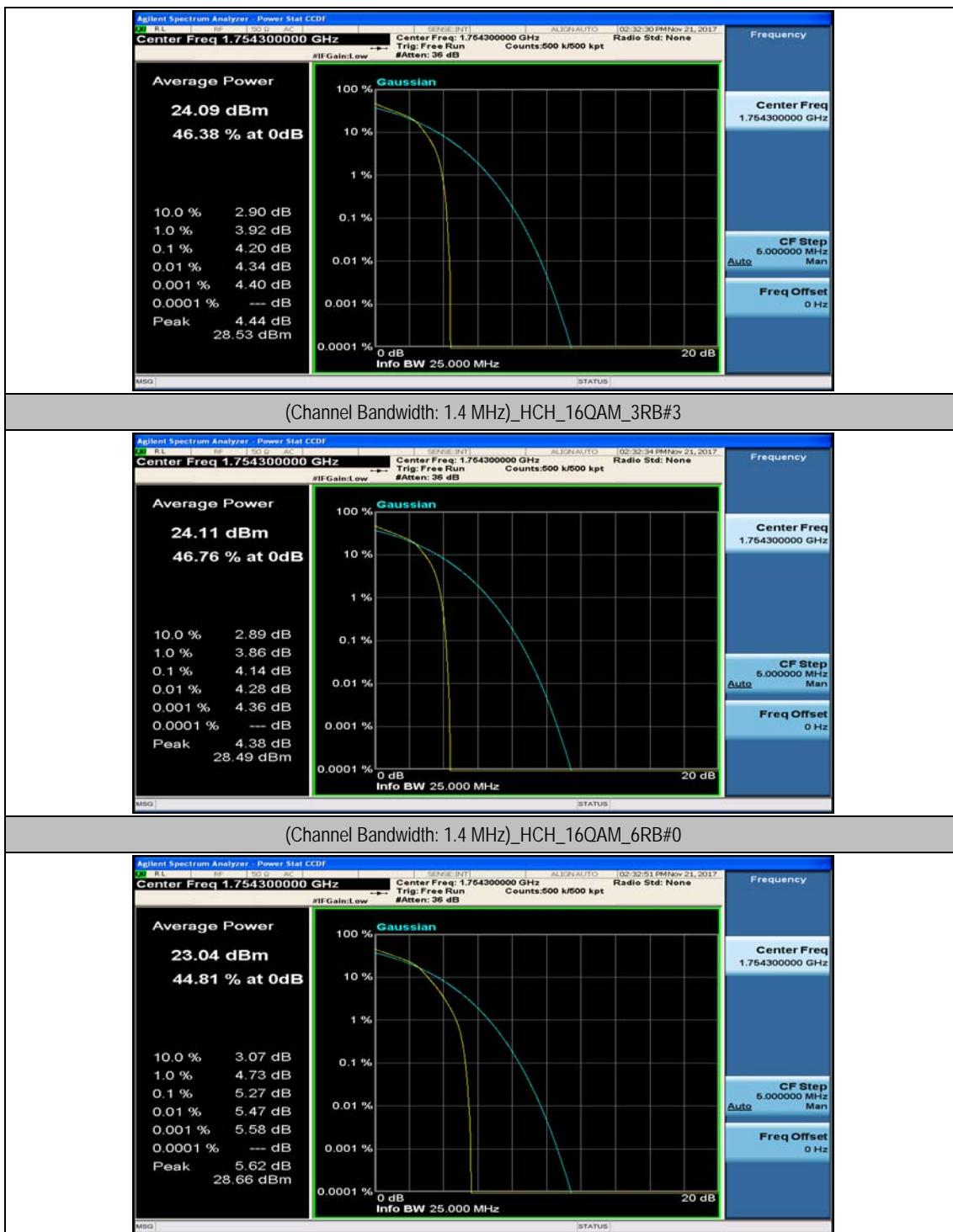




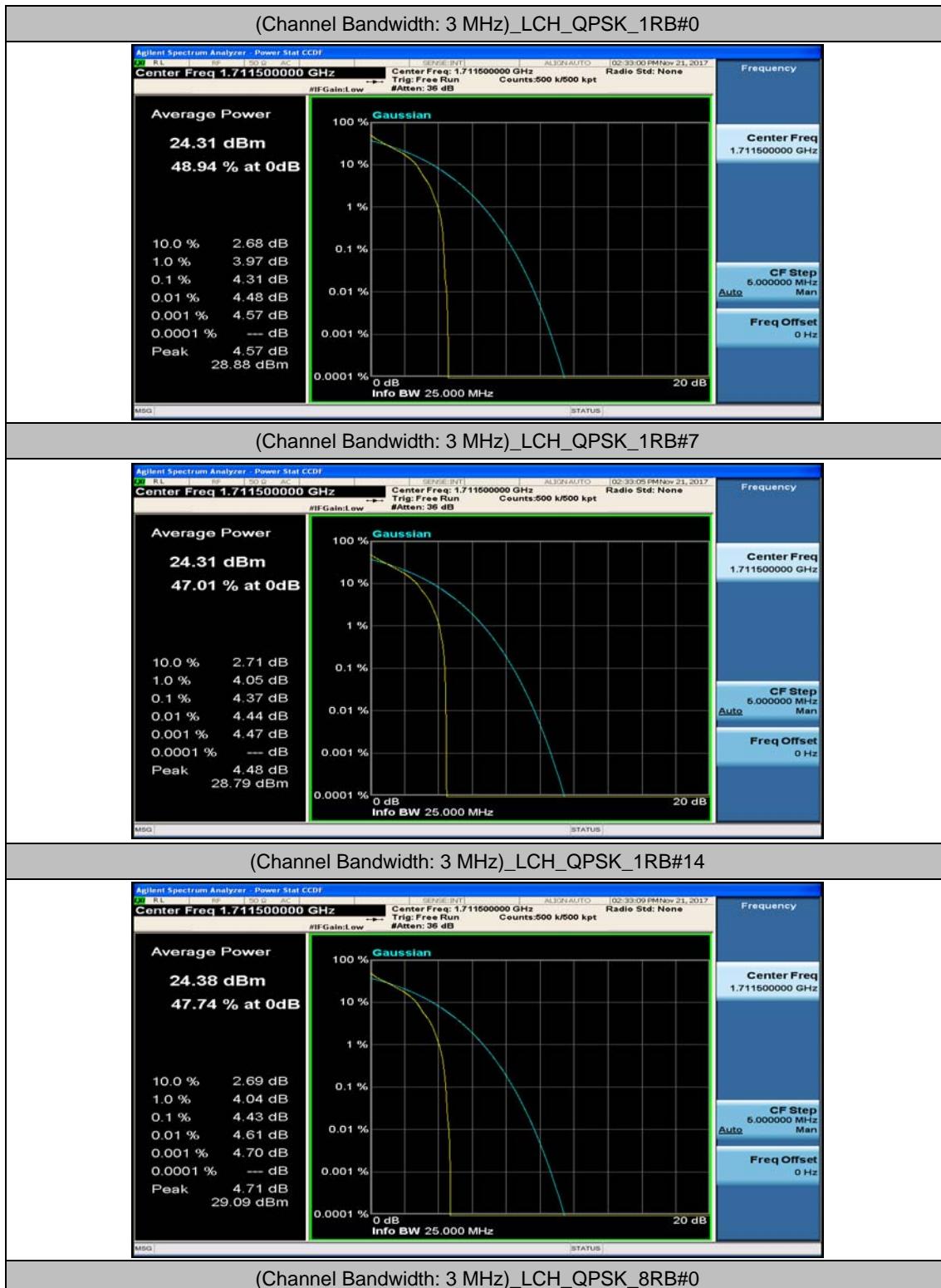


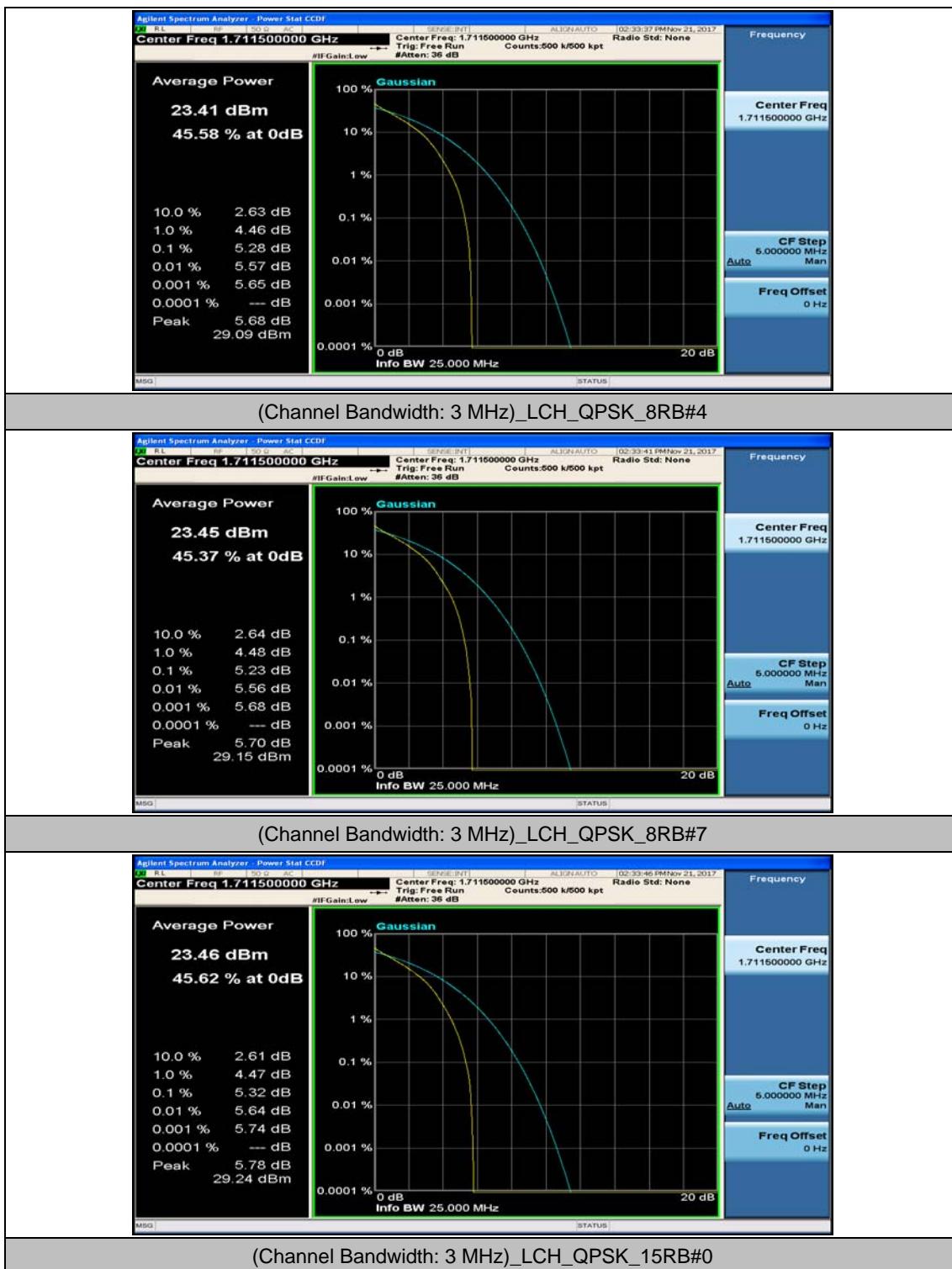


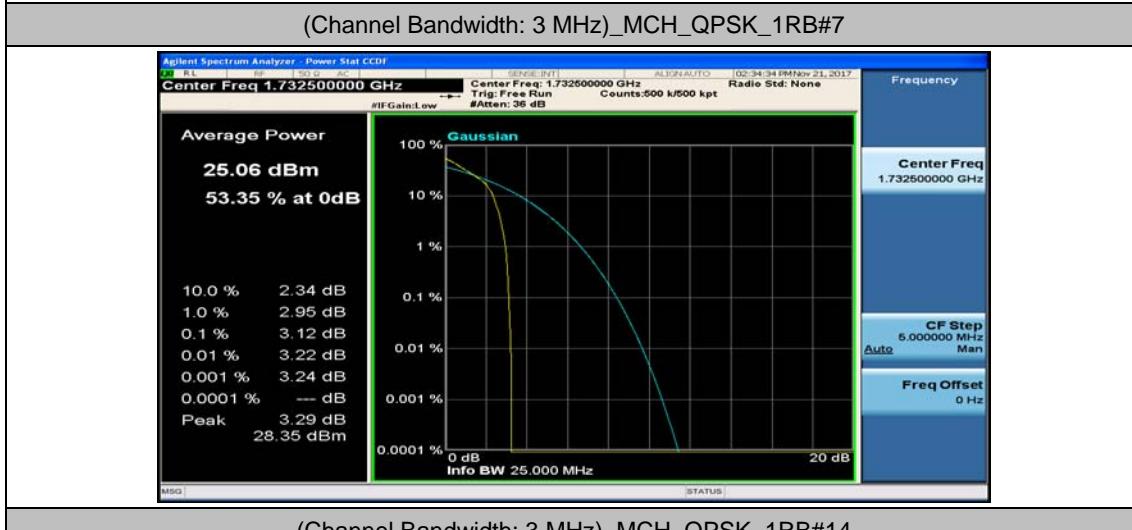
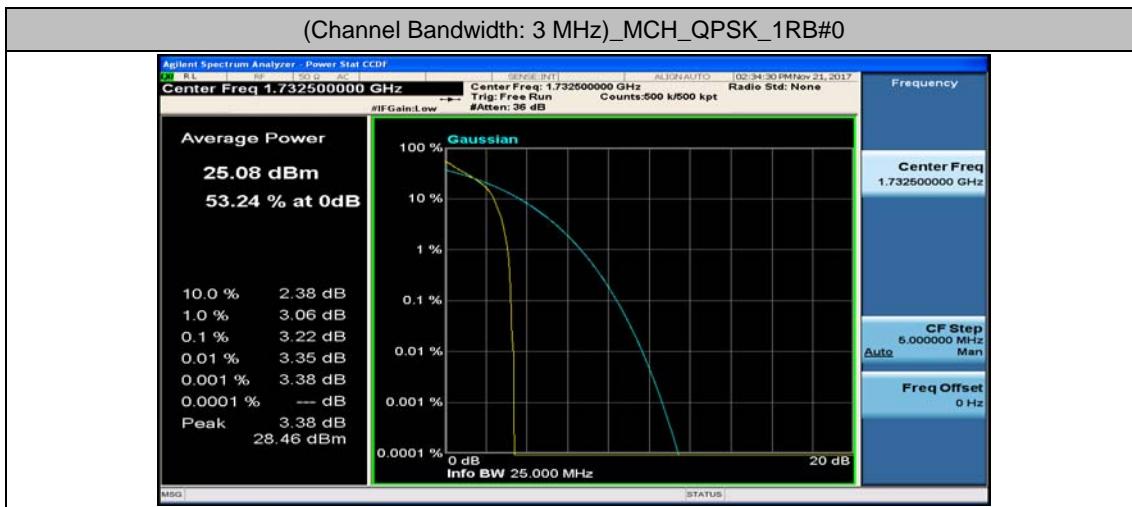
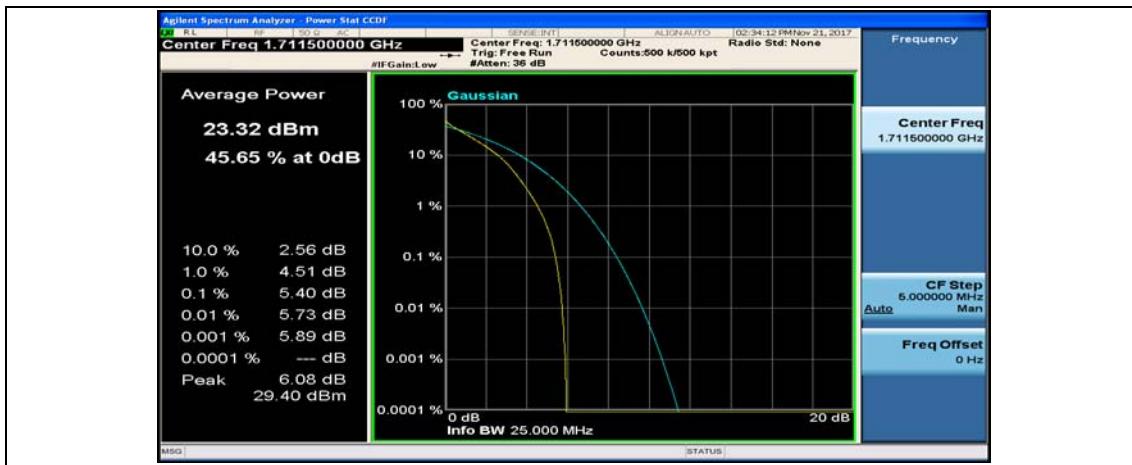


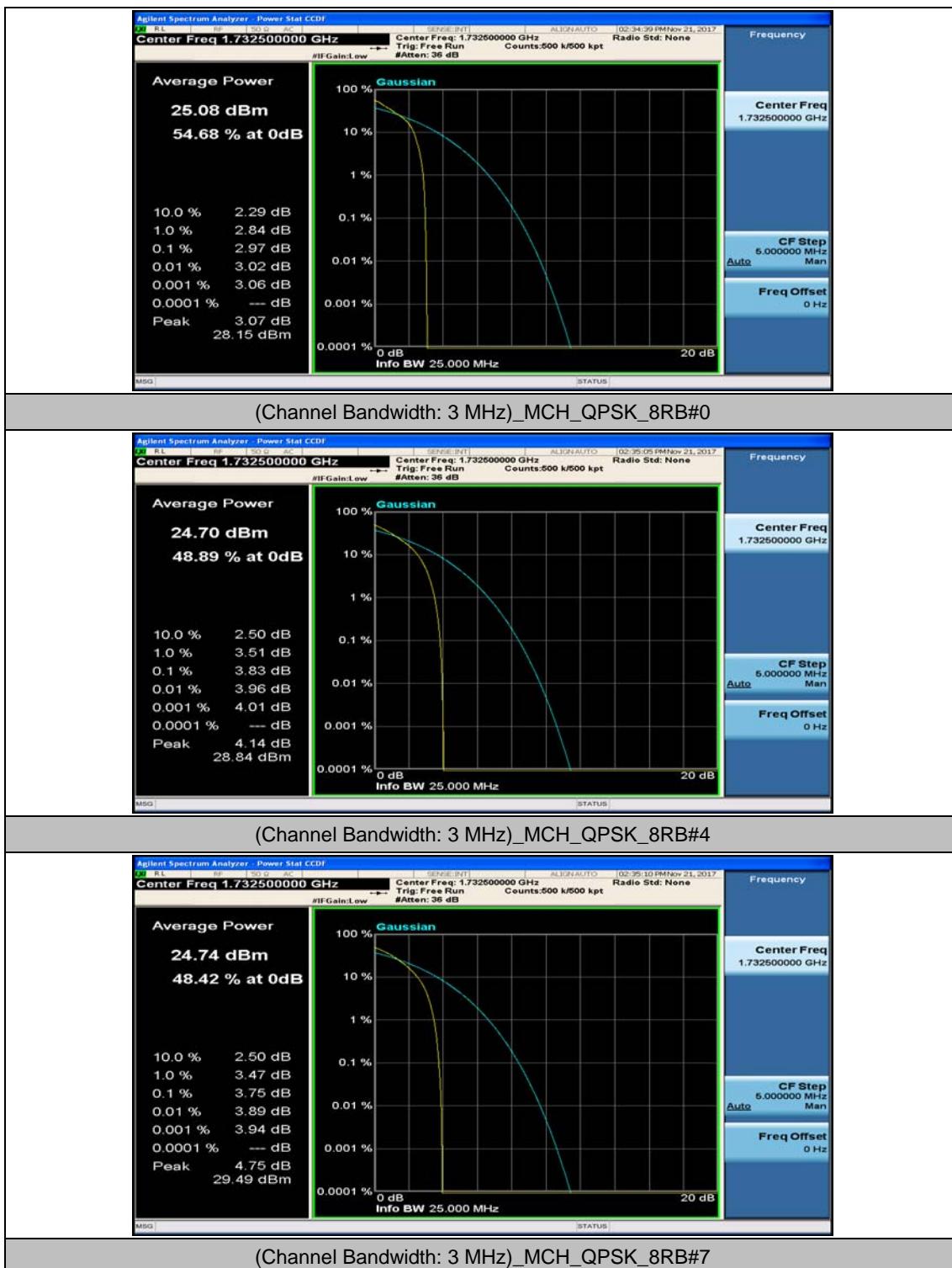


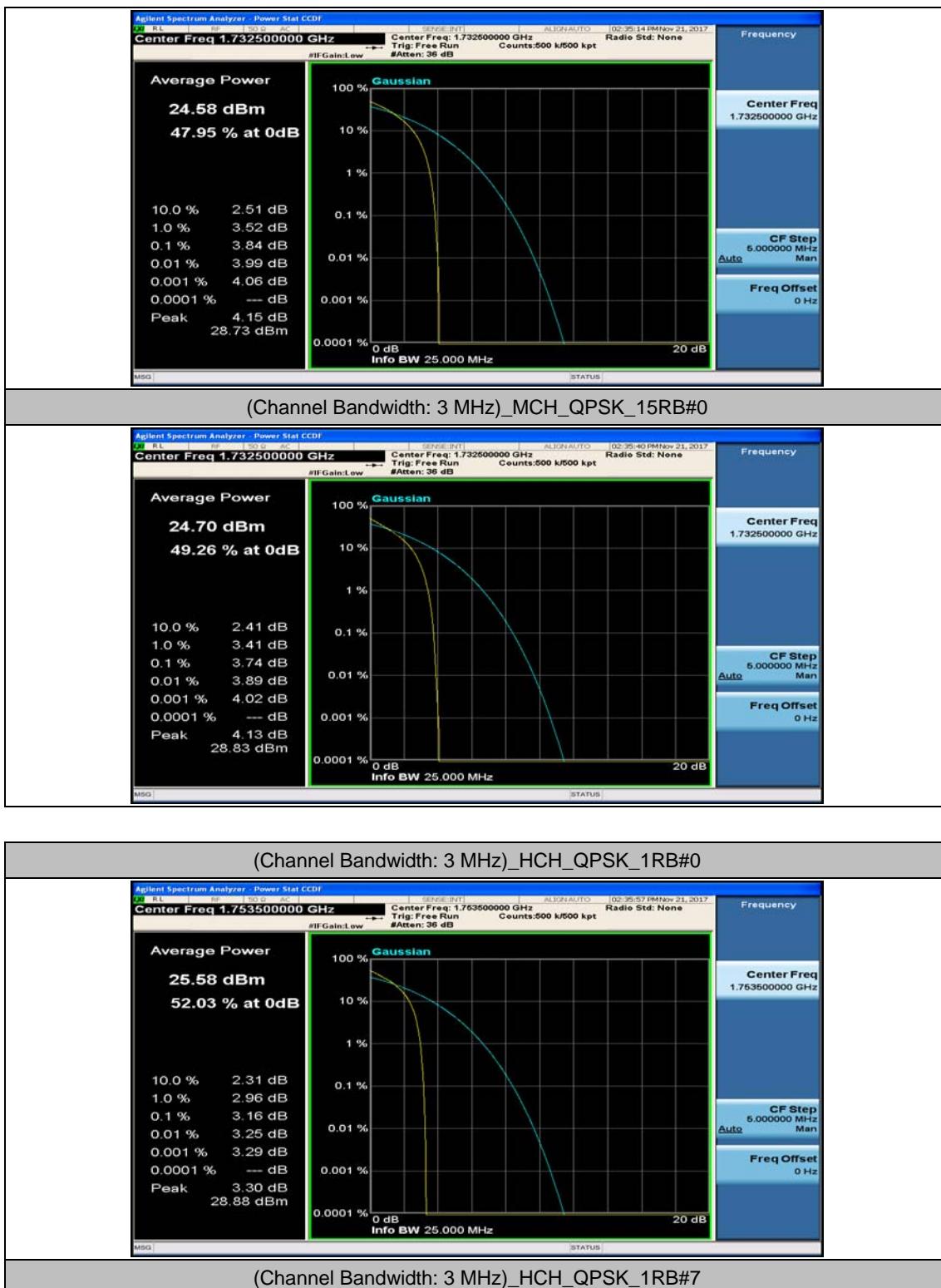
Channel Bandwidth: 3 MHz

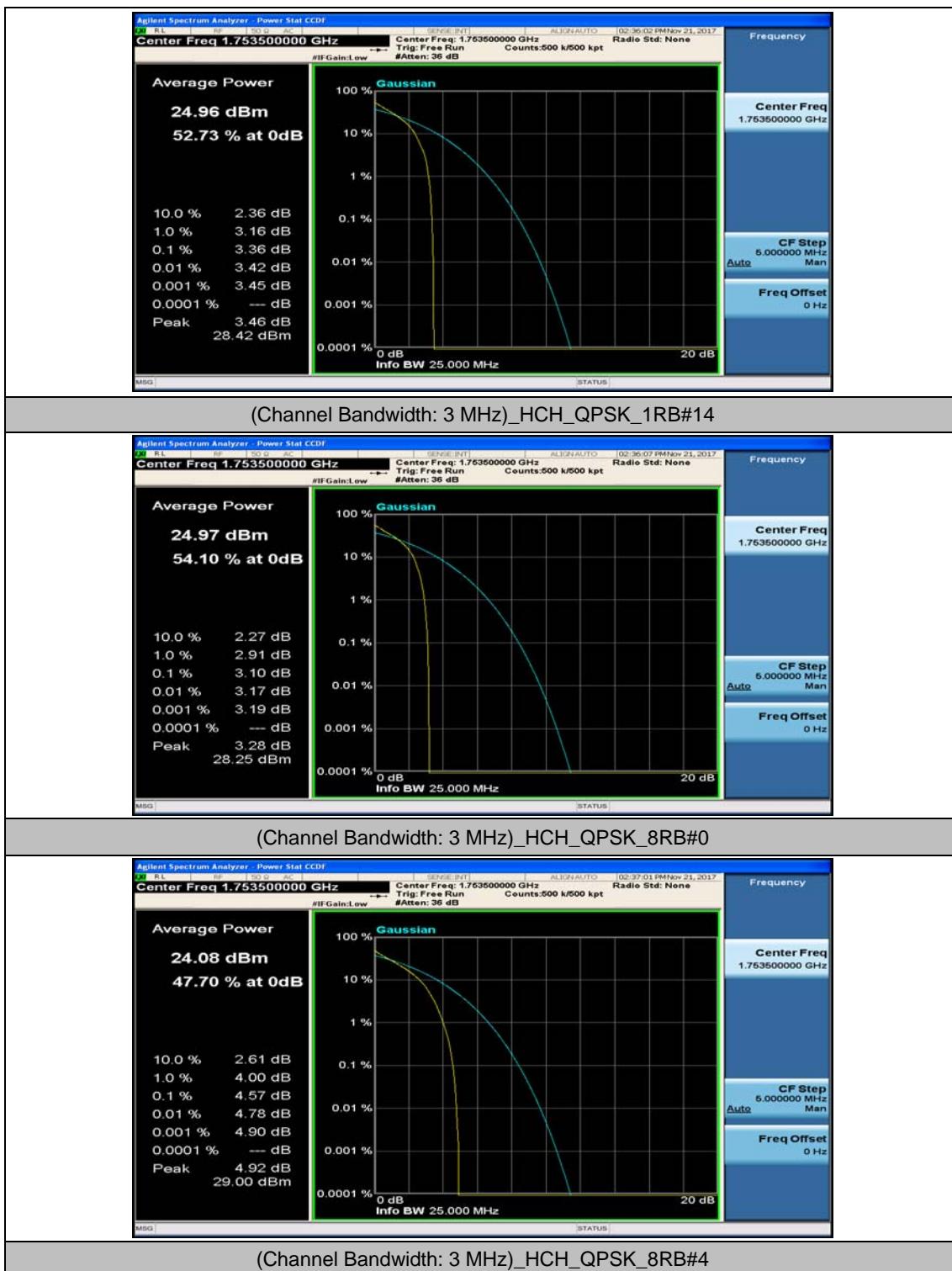


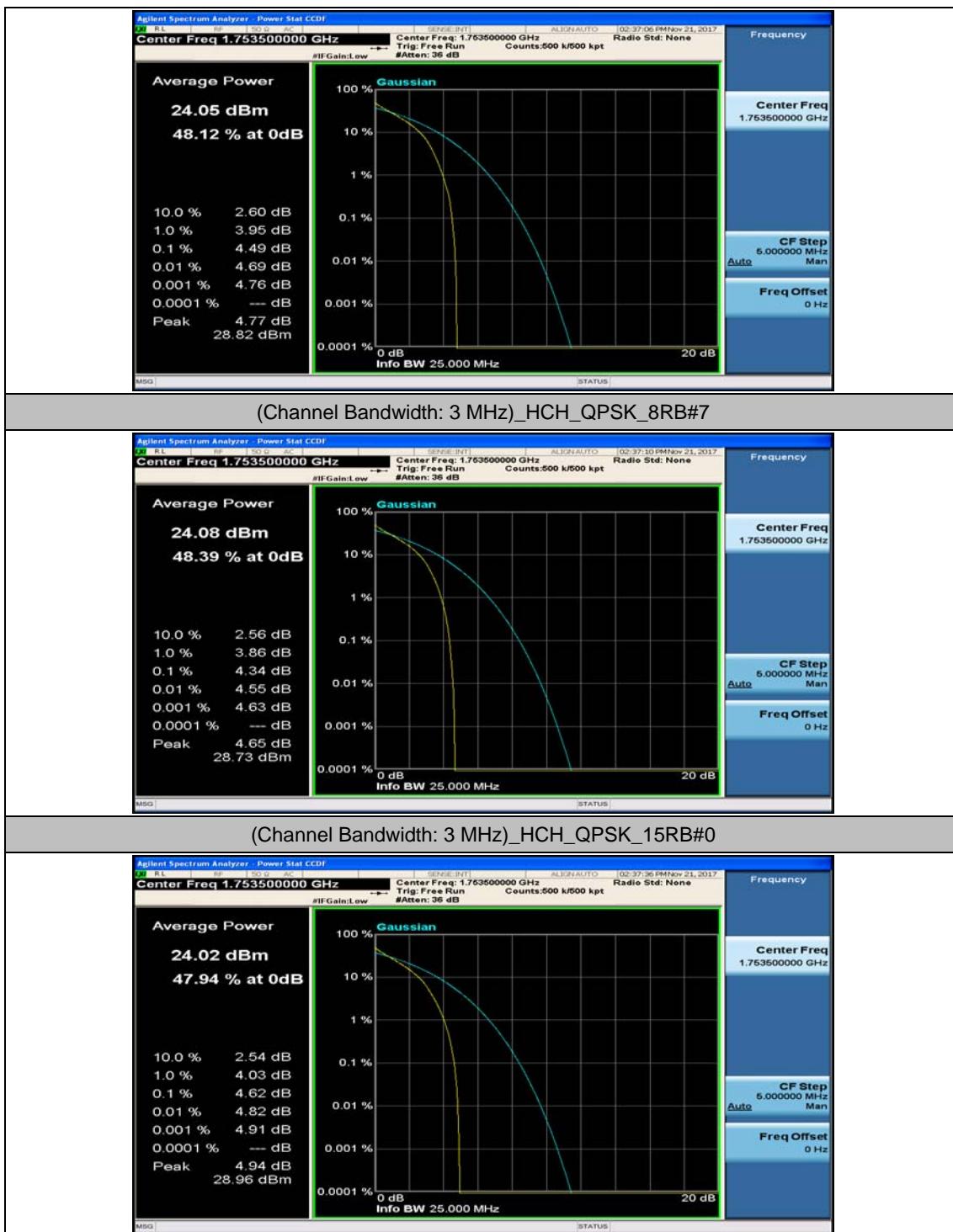


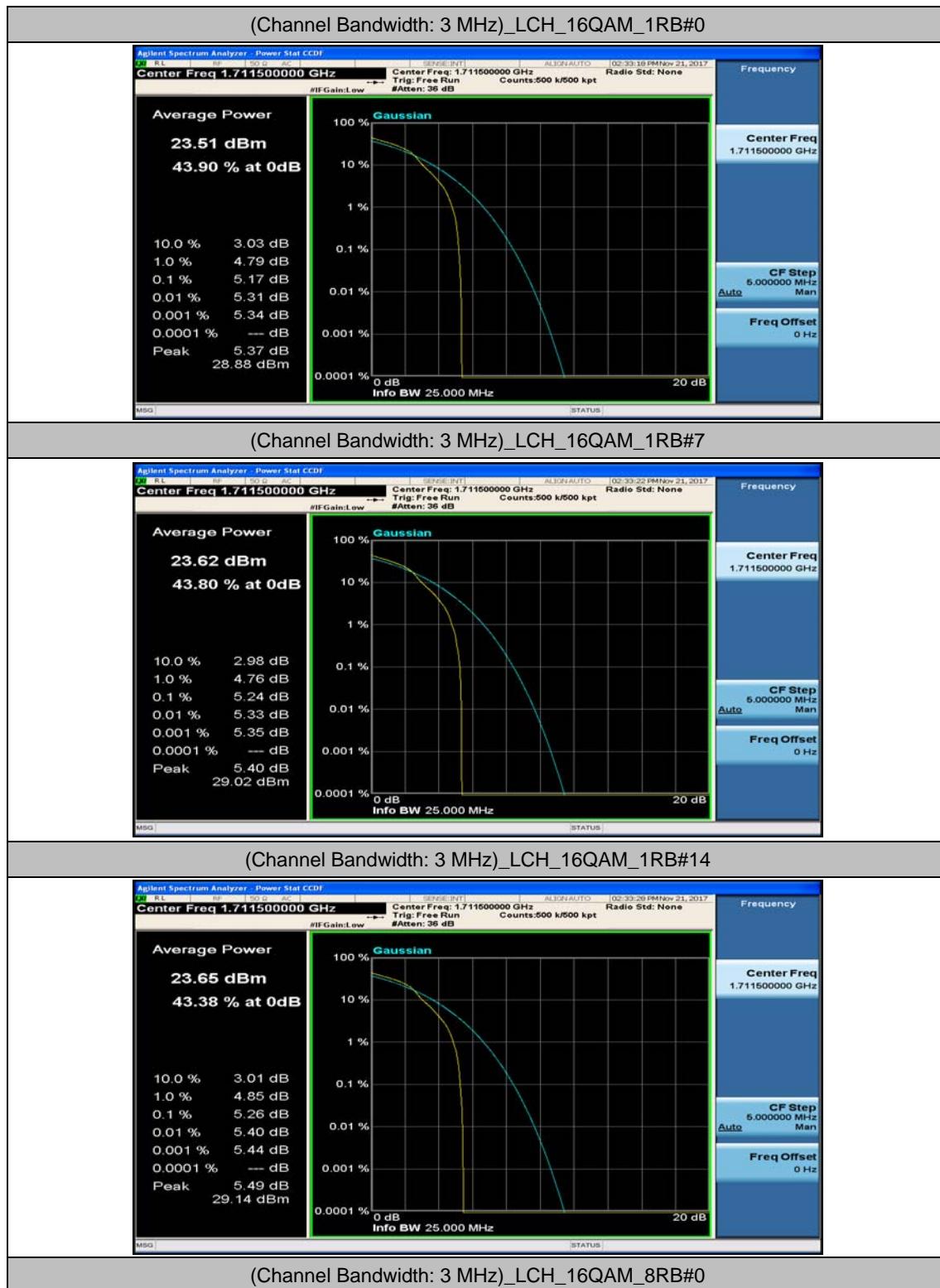


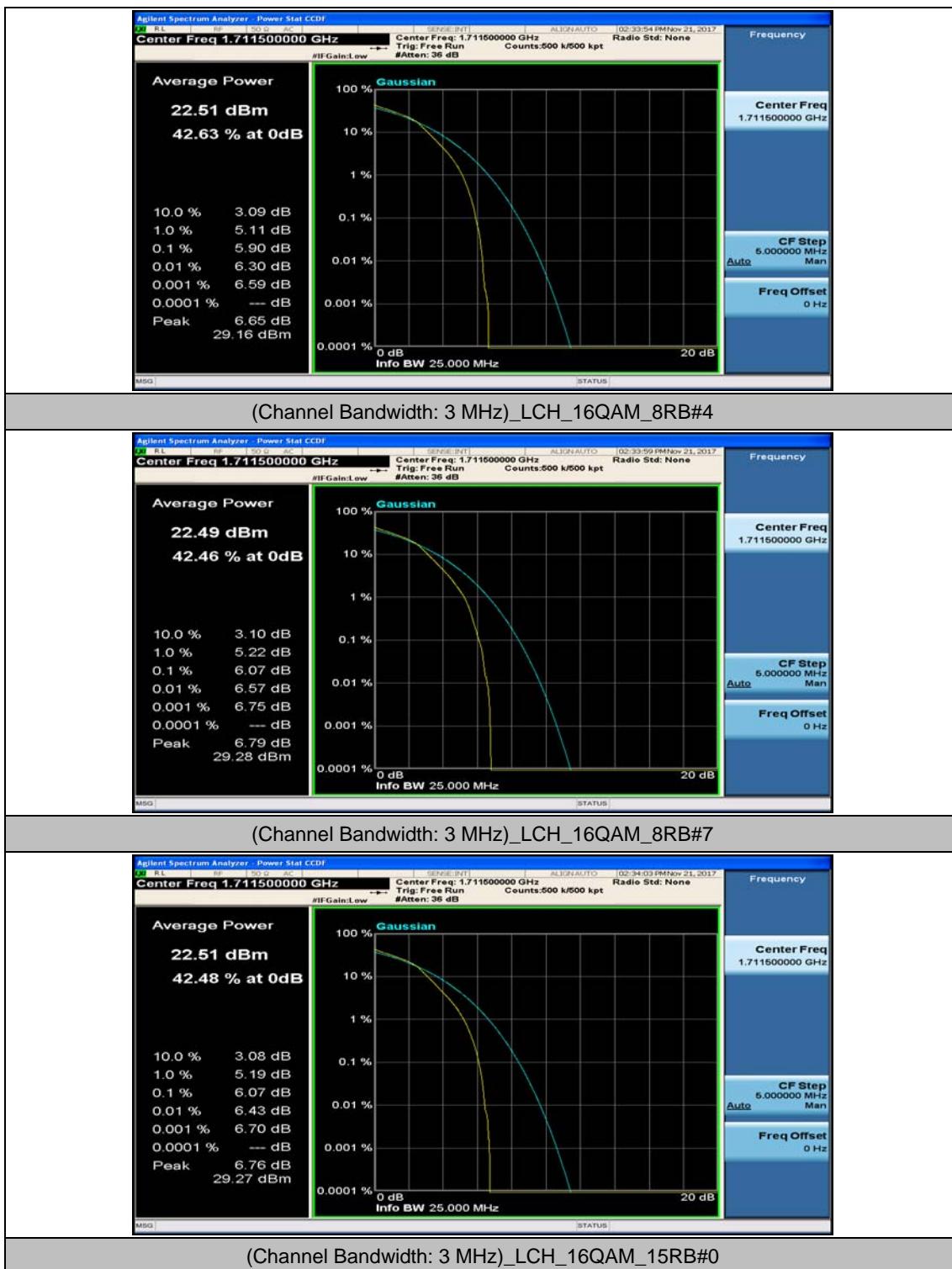


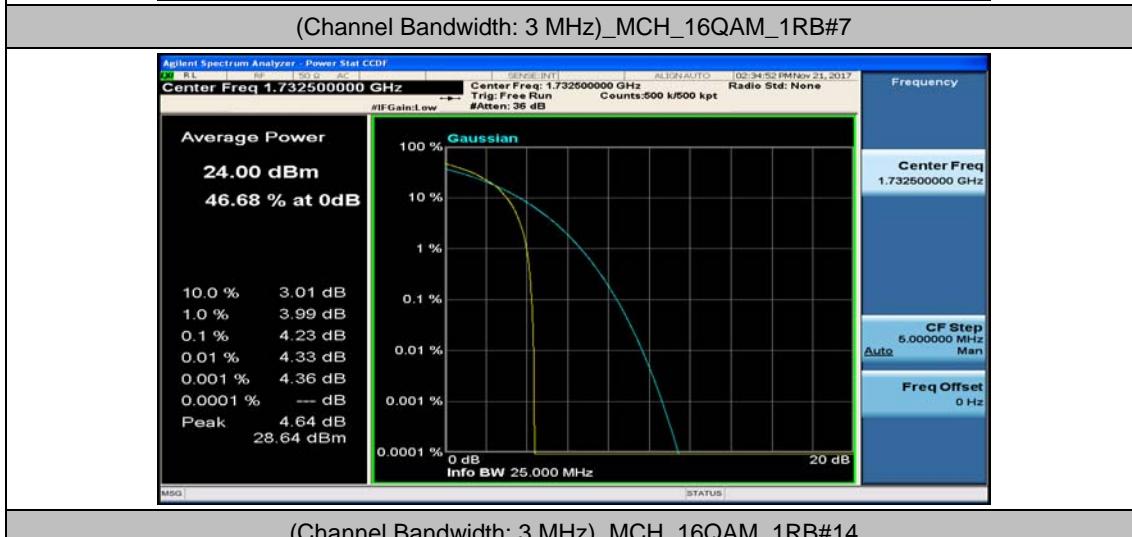
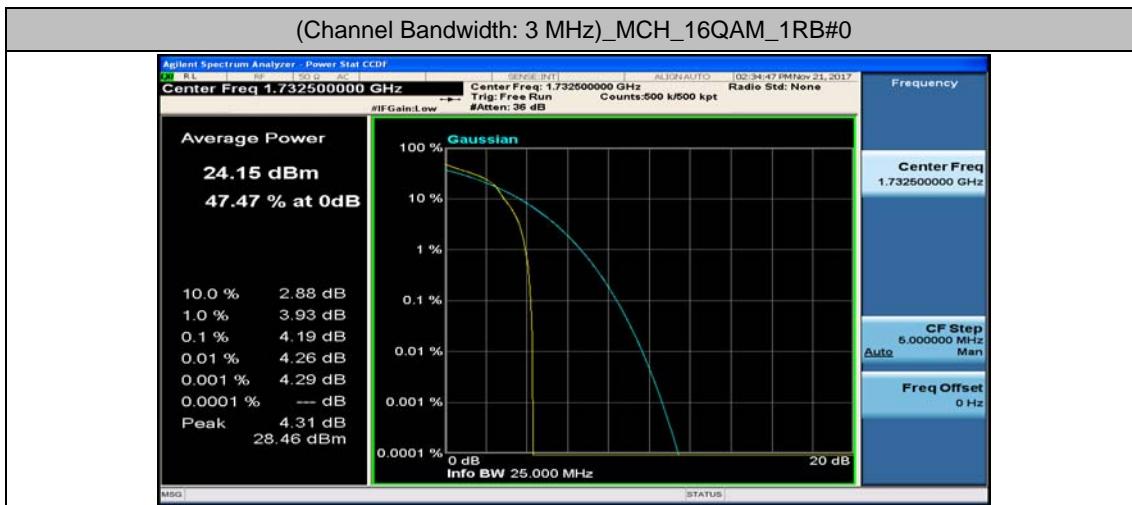
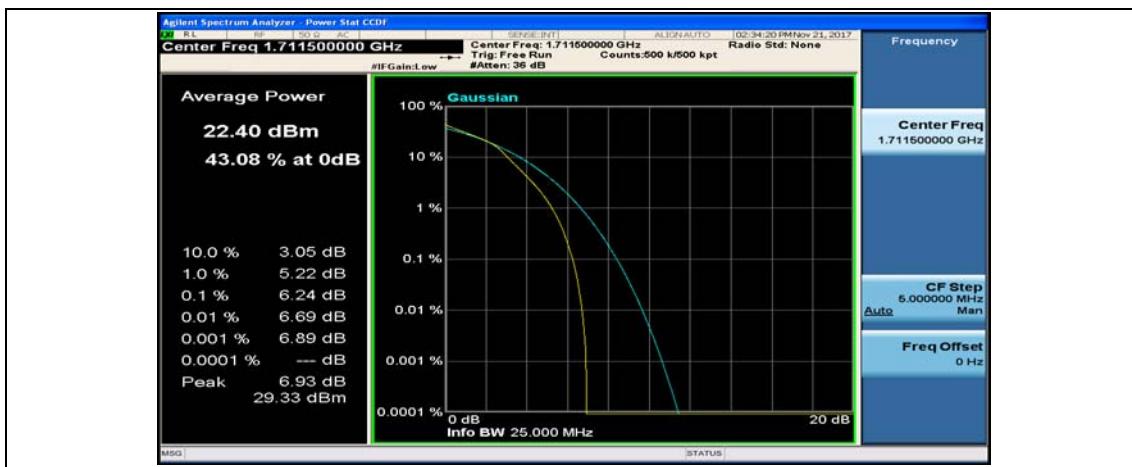




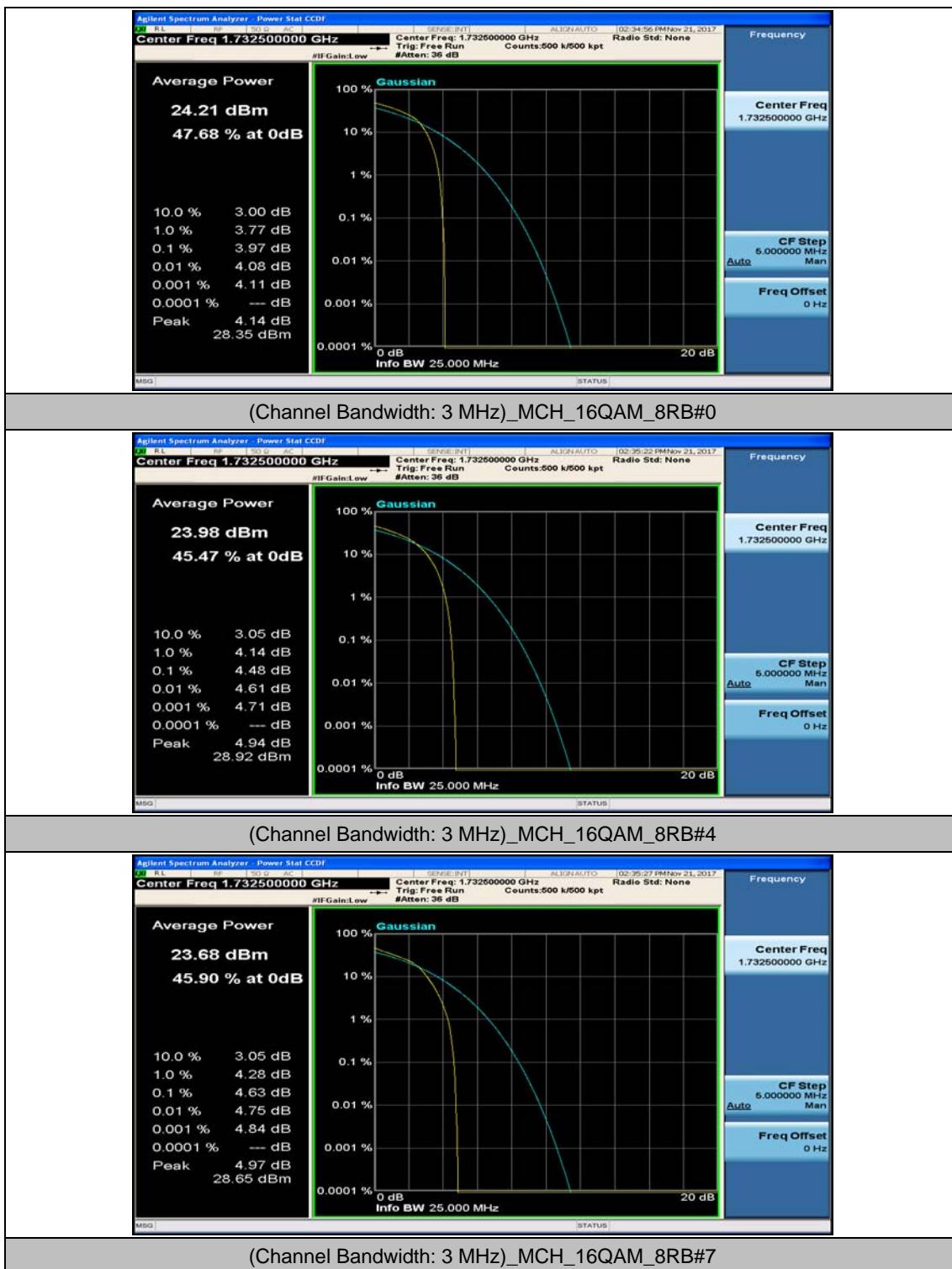


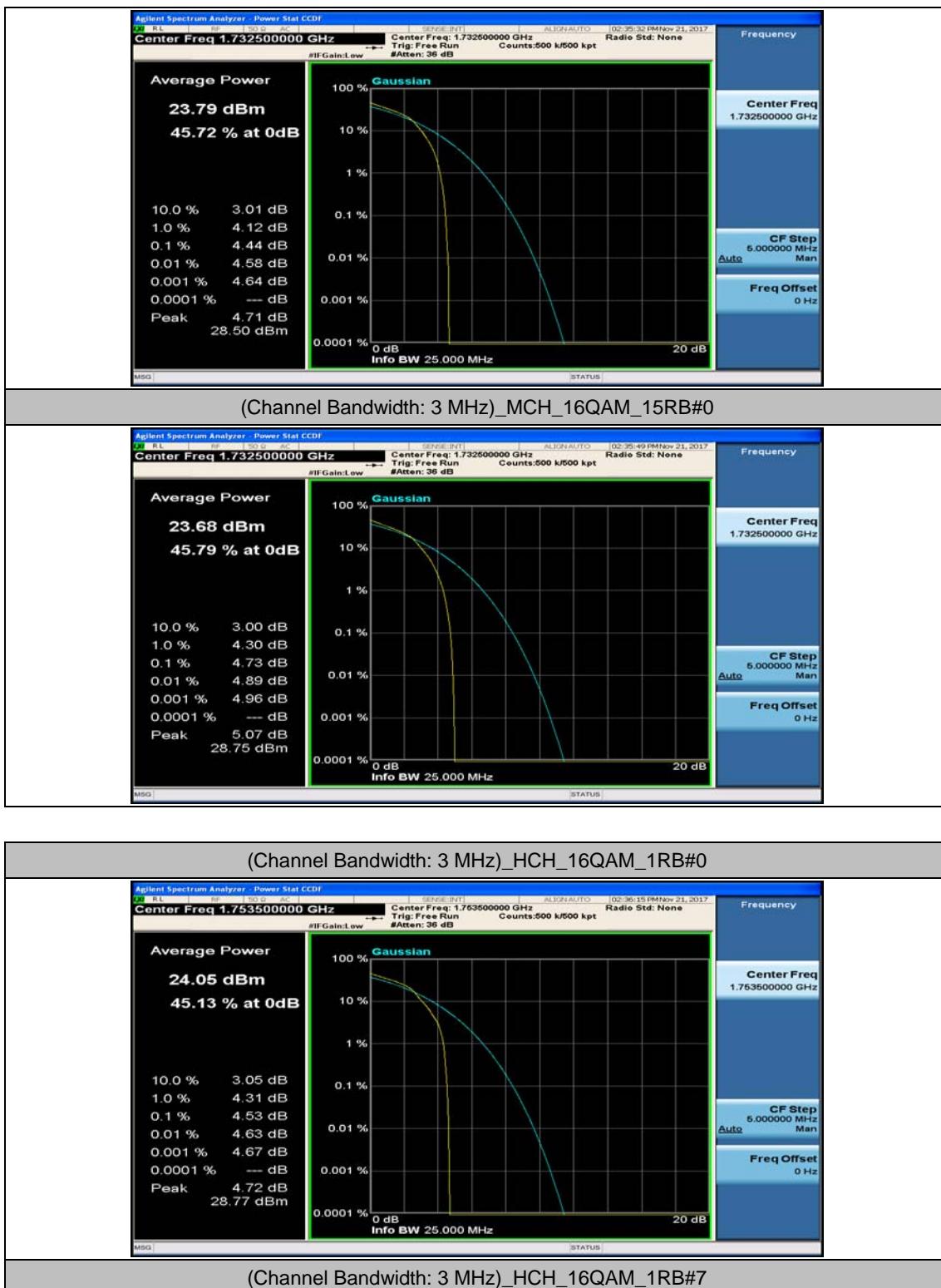


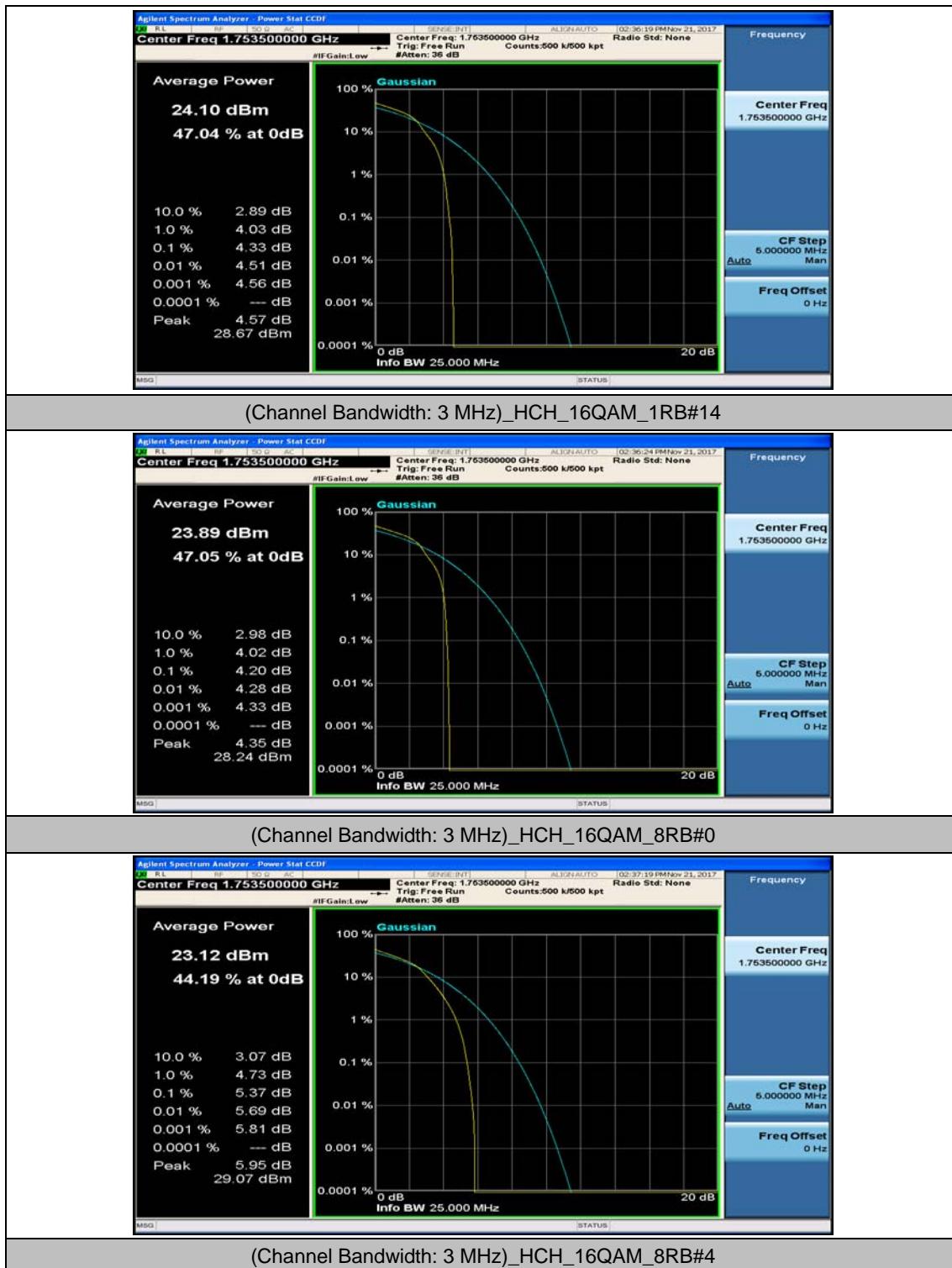


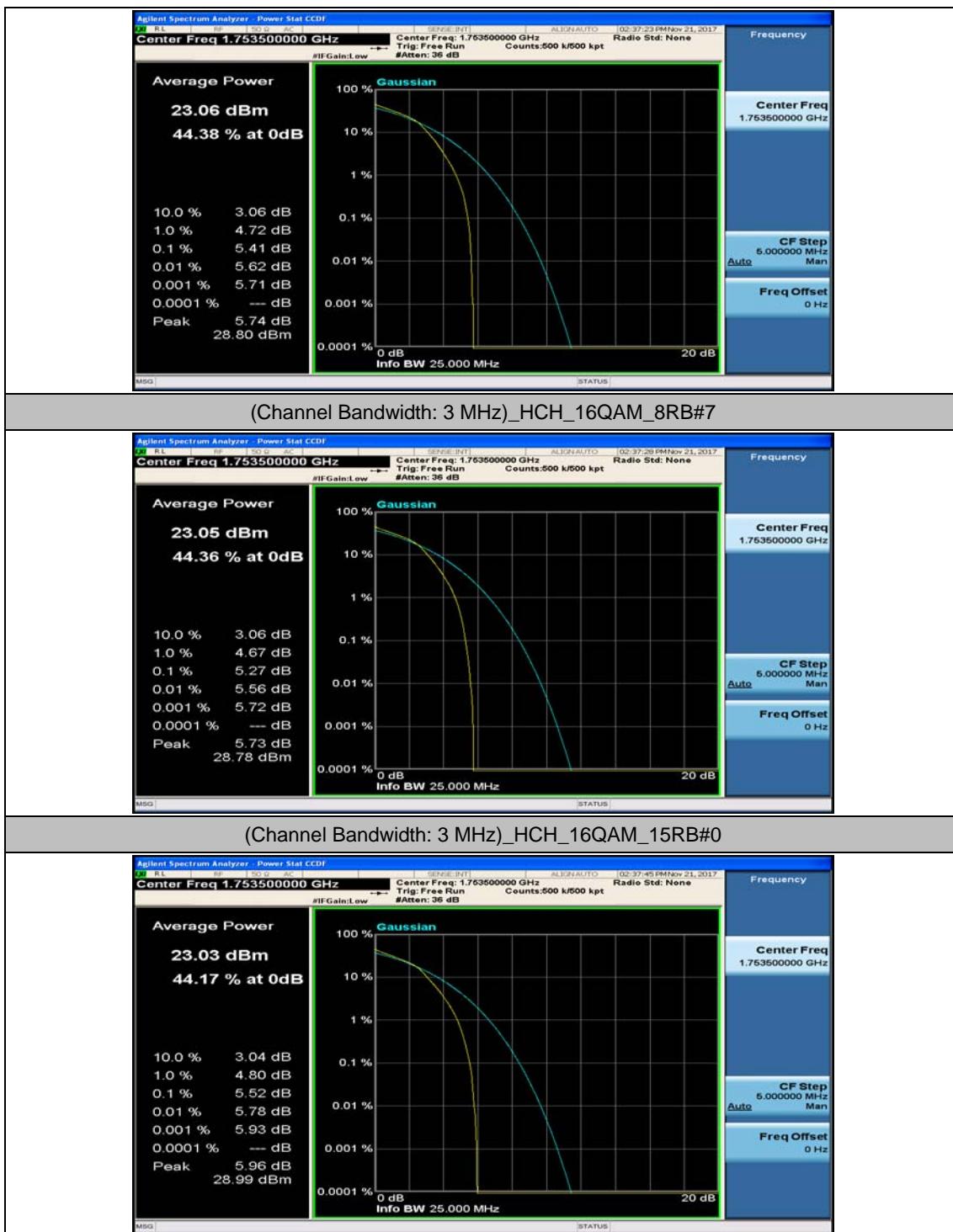


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

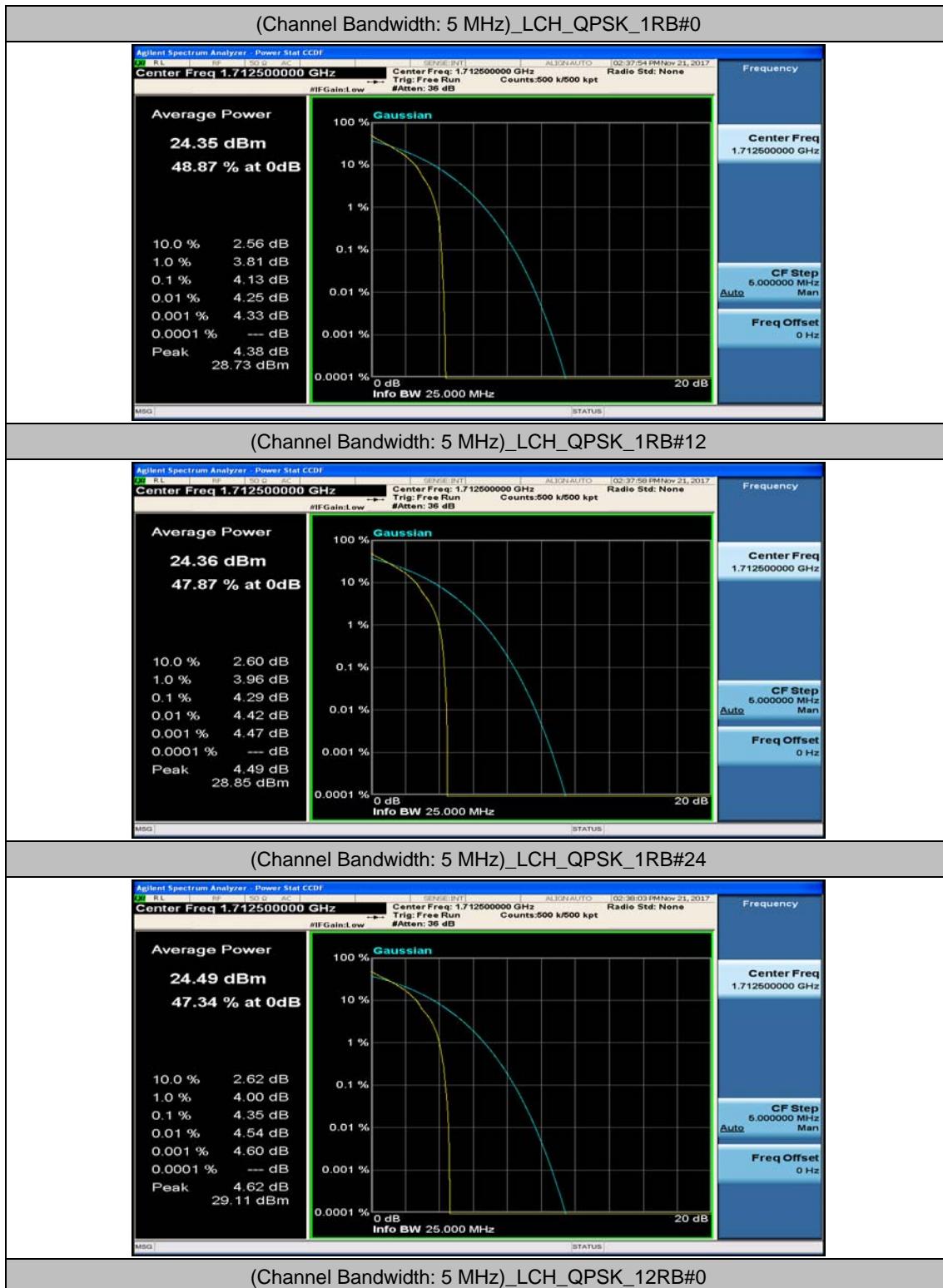


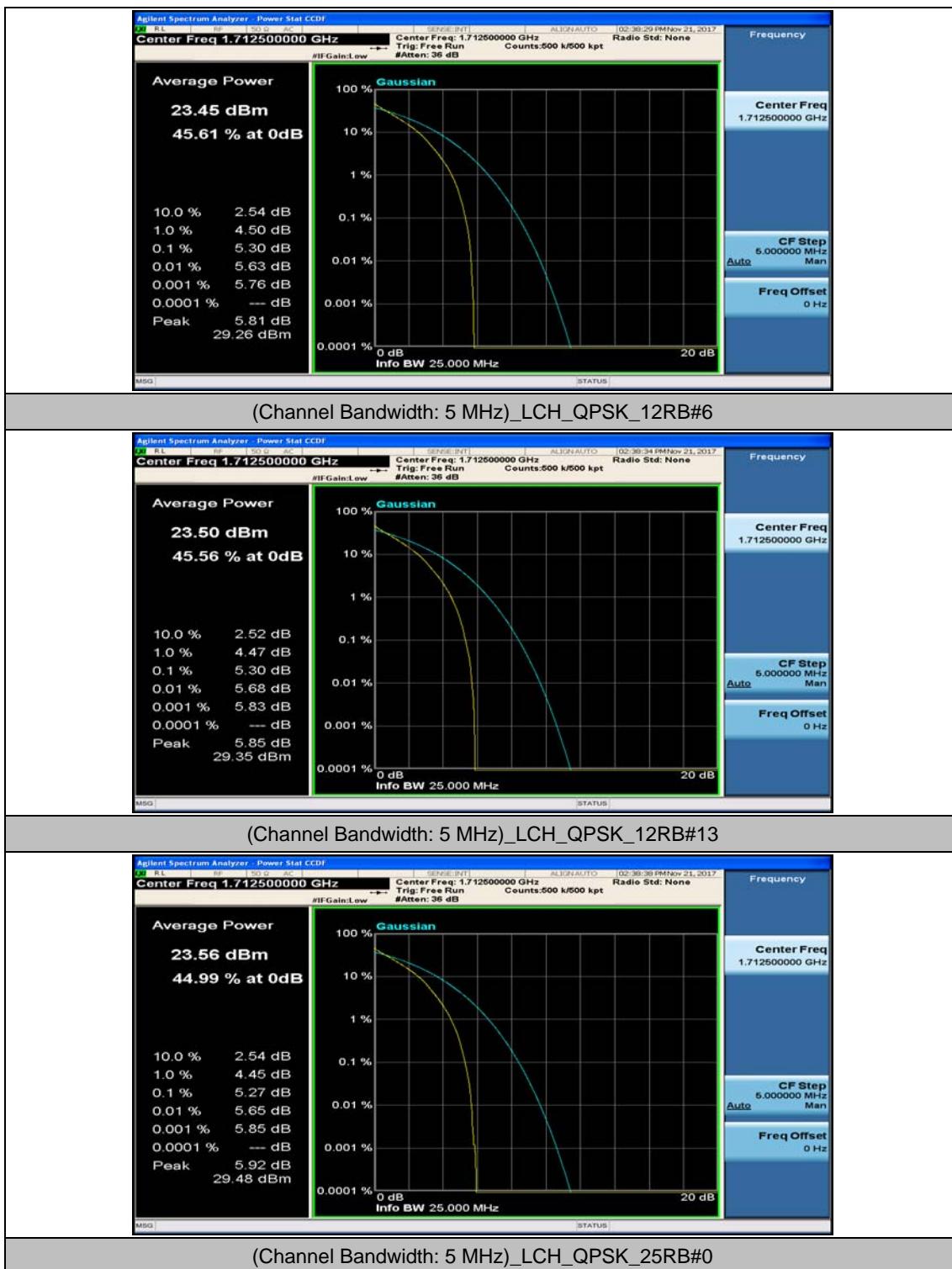


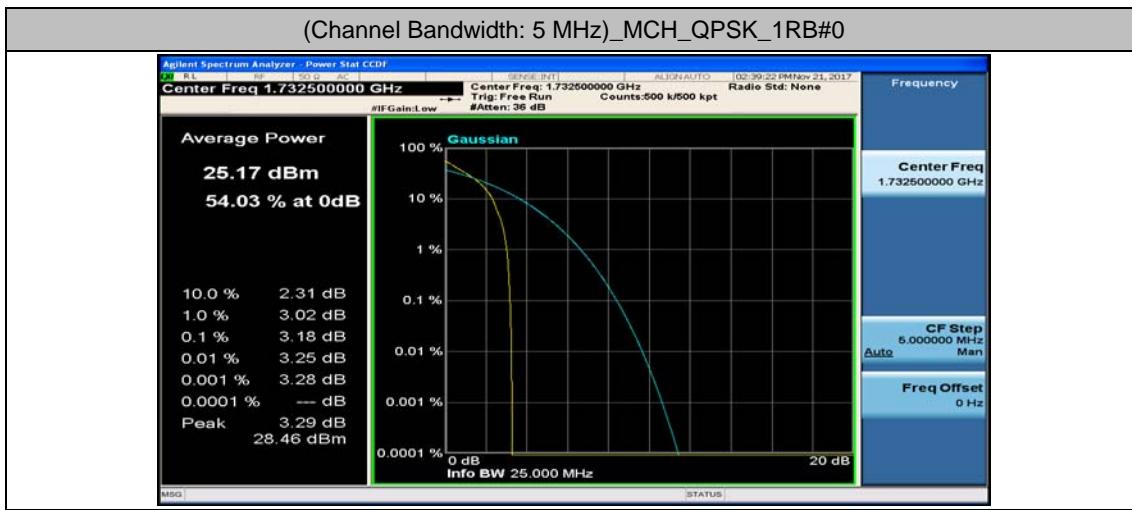
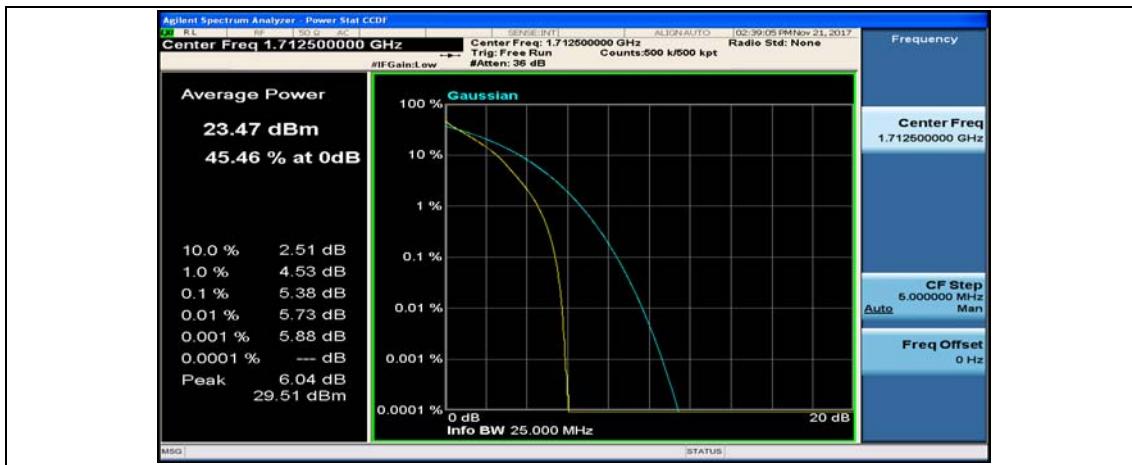




Channel Bandwidth: 5 MHz







(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

