

## 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	22.09	PASS
		1	3	22.43	PASS
		1	5	22.84	PASS
		3	0	21.18	PASS
		3	2	21.36	PASS
		3	3	21.60	PASS
		6	0	21.43	PASS
	MCH	1	0	22.92	PASS
		1	3	23.13	PASS
		1	5	23.26	PASS
		3	0	21.93	PASS
		3	2	22.04	PASS
		3	3	22.06	PASS
		6	0	22.02	PASS
	HCH	1	0	23.12	PASS
		1	3	22.67	PASS
		1	5	22.15	PASS
		3	0	21.88	PASS
		3	2	21.62	PASS
		3	3	21.39	PASS
		6	0	21.66	PASS
16QAM	LCH	1	0	21.36	PASS
		1	3	21.69	PASS
		1	5	22.06	PASS
		3	0	20.21	PASS
		3	2	20.45	PASS
		3	3	20.63	PASS
		6	0	20.45	PASS
	MCH	1	0	22.10	PASS
		1	3	22.29	PASS
		1	5	22.38	PASS

		3	3	21.11	PASS
		6	0	21.04	PASS
HCH	HCH	1	0	22.52	PASS
		1	3	22.03	PASS
		1	5	21.54	PASS
		3	0	20.97	PASS
		3	2	20.72	PASS
		3	3	20.50	PASS
		6	0	20.70	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.94	PASS
		1	7	22.11	PASS
		1	14	22.05	PASS
		8	0	21.05	PASS
		8	4	21.06	PASS
		8	7	21.10	PASS
		15	0	21.08	PASS
	MCH	1	0	23.08	PASS
		1	7	23.24	PASS
		1	14	23.14	PASS
		8	0	22.21	PASS
		8	4	22.22	PASS
		8	7	22.25	PASS
		15	0	22.21	PASS
	HCH	1	0	22.35	PASS
		1	7	22.39	PASS
		1	14	22.18	PASS
		8	0	21.37	PASS
		8	4	21.32	PASS
		8	7	21.29	PASS
		15	0	21.13	PASS
16QAM	LCH	1	0	21.26	PASS
		1	7	21.42	PASS
		1	14	21.35	PASS
		8	0	20.17	PASS
		8	4	20.22	PASS
		8	7	20.22	PASS
		15	0	20.12	PASS
	MCH	1	0	22.34	PASS

		1	7	22.48	PASS
		1	14	22.38	PASS
		8	0	21.33	PASS
		8	4	21.35	PASS
		8	7	21.32	PASS
		15	0	21.22	PASS
	HCH	1	0	21.75	PASS
		1	7	21.78	PASS
		1	14	21.57	PASS
		8	0	20.43	PASS
		8	4	20.34	PASS
		8	7	20.18	PASS
		15	0	20.19	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.94	PASS
		1	12	22.08	PASS
		1	24	22.09	PASS
		12	0	20.99	PASS
		12	6	21.03	PASS
		12	13	21.06	PASS
		25	0	20.97	PASS
	MCH	1	0	23.06	PASS
		1	12	23.21	PASS
		1	24	23.17	PASS
		12	0	22.14	PASS
		12	6	22.16	PASS
		12	13	22.18	PASS
		25	0	22.10	PASS
	HCH	1	0	22.40	PASS
		1	12	22.35	PASS
		1	24	22.14	PASS
		12	0	21.37	PASS
		12	6	21.29	PASS
		12	13	21.21	PASS
		25	0	21.26	PASS
16QAM	LCH	1	0	21.37	PASS
		1	12	21.51	PASS
		1	24	21.52	PASS
		12	0	20.21	PASS

		12	6	20.25	PASS
		12	13	20.30	PASS
		25	0	20.09	PASS
MCH		1	0	22.40	PASS
		1	12	22.54	PASS
		1	24	22.51	PASS
		12	0	21.31	PASS
		12	6	21.34	PASS
		12	13	21.37	PASS
		25	0	21.19	PASS
		1	0	21.46	PASS
HCH		1	12	21.40	PASS
		1	24	21.16	PASS
		12	0	20.48	PASS
		12	6	20.40	PASS
		12	13	20.31	PASS
		25	0	20.37	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.91	PASS
		1	24	22.08	PASS
		1	49	22.32	PASS
		25	0	21.03	PASS
		25	12	21.11	PASS
		25	25	21.21	PASS
		50	0	21.14	PASS
	MCH	1	0	23.01	PASS
		1	24	23.11	PASS
		1	49	23.15	PASS
		25	0	22.06	PASS
		25	12	22.11	PASS
		25	25	22.13	PASS
		50	0	22.13	PASS
	HCH	1	0	22.68	PASS
		1	24	22.41	PASS
		1	49	22.13	PASS
		25	0	21.55	PASS
		25	12	21.42	PASS
		25	25	21.25	PASS
		50	0	21.45	PASS

16QAM	LCH	1	0	21.25	PASS
		1	24	21.42	PASS
		1	49	21.65	PASS
		25	0	20.10	PASS
		25	12	20.19	PASS
		25	25	20.29	PASS
		50	0	20.20	PASS
	MCH	1	0	22.24	PASS
		1	24	22.34	PASS
		1	49	22.43	PASS
		25	0	21.11	PASS
		25	12	21.17	PASS
		25	25	21.19	PASS
		50	0	21.18	PASS
	HCH	1	0	22.06	PASS
		1	24	21.79	PASS
		1	49	21.54	PASS
		25	0	20.63	PASS
		25	12	20.52	PASS
		25	25	20.36	PASS
		50	0	20.55	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.04	PASS
		1	37	22.40	PASS
		1	74	22.63	PASS
		37	0	21.21	PASS
		37	18	21.33	PASS
		37	38	21.53	PASS
		75	0	21.46	PASS
	MCH	1	0	22.81	PASS
		1	37	23.00	PASS
		1	74	22.94	PASS
		37	0	21.90	PASS
		37	18	22.04	PASS
		37	38	22.03	PASS
		75	0	22.04	PASS
	HCH	1	0	22.75	PASS
		1	37	22.42	PASS
		1	74	21.96	PASS

		37	0	21.69	PASS
		37	18	21.55	PASS
		37	38	21.31	PASS
		75	0	21.52	PASS
16QAM	LCH	1	0	21.36	PASS
		1	37	21.69	PASS
		1	74	21.92	PASS
		37	0	20.32	PASS
		37	18	20.42	PASS
		37	38	20.64	PASS
		75	0	20.46	PASS
	MCH	1	0	22.03	PASS
		1	37	22.23	PASS
		1	74	22.29	PASS
		37	0	20.94	PASS
		37	18	21.03	PASS
		37	38	21.03	PASS
		75	0	21.00	PASS
	HCH	1	0	22.07	PASS
		1	37	21.72	PASS
		1	74	21.29	PASS
		37	0	20.69	PASS
		37	18	20.52	PASS
		37	38	20.31	PASS
		75	0	20.54	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.48	PASS
		1	49	22.27	PASS
		1	99	21.95	PASS
		50	0	22.05	PASS
		50	25	22.05	PASS
		50	50	22.11	PASS
		100	0	20.97	PASS
	MCH	1	0	23.19	PASS
		1	49	23.28	PASS
		1	99	23.21	PASS
		50	0	23.16	PASS
		50	25	23.24	PASS
		50	50	23.28	PASS

		100	0	22.22	PASS
HCH	HCH	1	0	22.26	PASS
		1	49	22.33	PASS
		1	99	22.22	PASS
		50	0	22.36	PASS
		50	25	22.30	PASS
		50	50	22.32	PASS
		100	0	21.26	PASS
16QAM	LCH	1	0	21.23	PASS
		1	49	21.39	PASS
		1	99	21.29	PASS
		50	0	21.24	PASS
		50	25	21.23	PASS
		50	50	21.25	PASS
		100	0	20.01	PASS
	MCH	1	0	22.53	PASS
		1	49	22.64	PASS
		1	99	22.55	PASS
		50	0	22.25	PASS
		50	25	22.25	PASS
		50	50	22.30	PASS
		100	0	21.20	PASS
	HCH	1	0	21.54	PASS
		1	49	21.68	PASS
		1	99	21.51	PASS
		50	0	21.41	PASS
		50	25	21.36	PASS
		50	50	21.40	PASS
		100	0	20.43	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	5.37	<13	PASS
		1	3	5.48	<13	PASS
		1	5	5.39	<13	PASS
		3	0	5.47	<13	PASS
		3	2	5.42	<13	PASS
		3	3	5.49	<13	PASS
		6	0	5.97	<13	PASS
	MCH	1	0	4.36	<13	PASS
		1	3	4.42	<13	PASS
		1	5	4.38	<13	PASS
		3	0	4.5	<13	PASS
		3	2	4.5	<13	PASS
		3	3	4.51	<13	PASS
		6	0	5.1	<13	PASS
16QAM	LCH	1	0	4.99	<13	PASS
		1	3	5.05	<13	PASS
		1	5	5.12	<13	PASS
		3	0	5.22	<13	PASS
		3	2	5.19	<13	PASS
		3	3	5.11	<13	PASS
		6	0	5.54	<13	PASS
	MCH	1	0	6.09	<13	PASS
		1	3	6.07	<13	PASS
		1	5	6.37	<13	PASS
		3	0	6.38	<13	PASS
		3	2	6.58	<13	PASS
		3	3	6.56	<13	PASS
		6	0	6.87	<13	PASS

		3	2	5.5	<13	PASS
		3	3	5.53	<13	PASS
		6	0	6.08	<13	PASS
HCH		1	0	5.92	<13	PASS
		1	3	5.84	<13	PASS
		1	5	5.92	<13	PASS
		3	0	5.89	<13	PASS
		3	2	5.93	<13	PASS
		3	3	5.79	<13	PASS
		6	0	6.54	<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	5.27	<13	PASS
		1	7	5.39	<13	PASS
		1	14	5.65	<13	PASS
		8	0	5.89	<13	PASS
		8	4	5.98	<13	PASS
		8	7	5.83	<13	PASS
		15	0	5.89	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	7	4.38	<13	PASS
		1	14	4.46	<13	PASS
		8	0	5.14	<13	PASS
		8	4	5.2	<13	PASS
		8	7	5.18	<13	PASS
		15	0	5.14	<13	PASS
	HCH	1	0	4.78	<13	PASS
		1	7	4.93	<13	PASS
		1	14	4.85	<13	PASS
		8	0	5.55	<13	PASS
		8	4	5.6	<13	PASS
		8	7	5.59	<13	PASS
		15	0	5.66	<13	PASS
16QAM	LCH	1	0	6.4	<13	PASS
		1	7	6.43	<13	PASS
		1	14	6.22	<13	PASS
		8	0	6.61	<13	PASS
		8	4	6.71	<13	PASS

		8	7	6.61	<13	PASS
		15	0	6.84	<13	PASS
MCH		1	0	5.35	<13	PASS
		1	7	5.27	<13	PASS
		1	14	5.32	<13	PASS
		8	0	5.79	<13	PASS
		8	4	5.78	<13	PASS
		8	7	5.96	<13	PASS
		15	0	6.02	<13	PASS
HCH		1	0	5.75	<13	PASS
		1	7	5.69	<13	PASS
		1	14	5.69	<13	PASS
		8	0	6.43	<13	PASS
		8	4	6.27	<13	PASS
		8	7	6.41	<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	4.97	<13	PASS
		1	12	5.14	<13	PASS
		1	24	5.26	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.93	<13	PASS
		12	13	5.98	<13	PASS
		25	0	5.93	<13	PASS
	MCH	1	0	4.26	<13	PASS
		1	12	4.2	<13	PASS
		1	24	4.38	<13	PASS
		12	0	5.09	<13	PASS
		12	6	5.12	<13	PASS
		12	13	5.17	<13	PASS
		25	0	5.13	<13	PASS
	HCH	1	0	4.65	<13	PASS
		1	12	4.98	<13	PASS
		1	24	5.09	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.46	<13	PASS
		12	13	5.58	<13	PASS

		25	0	5.52	<13	PASS
16QAM	LCH	1	0	6.09	<13	PASS
		1	12	6.23	<13	PASS
		1	24	6.23	<13	PASS
		12	0	6.68	<13	PASS
		12	6	6.64	<13	PASS
		12	13	6.84	<13	PASS
		25	0	6.78	<13	PASS
	MCH	1	0	5.16	<13	PASS
		1	12	5.11	<13	PASS
		1	24	5.38	<13	PASS
		12	0	5.89	<13	PASS
		12	6	5.86	<13	PASS
		12	13	5.99	<13	PASS
		25	0	5.96	<13	PASS
	HCH	1	0	5.32	<13	PASS
		1	12	5.49	<13	PASS
		1	24	5.47	<13	PASS
		12	0	6.35	<13	PASS
		12	6	6.48	<13	PASS
		12	13	6.58	<13	PASS
		25	0	6.34	<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	5.32	<13	PASS
		1	24	5.55	<13	PASS
		1	49	5.65	<13	PASS
		25	0	5.94	<13	PASS
		25	12	5.99	<13	PASS
		25	25	6.01	<13	PASS
		50	0	5.93	<13	PASS
	MCH	1	0	4.33	<13	PASS
		1	24	4.37	<13	PASS
		1	49	4.93	<13	PASS
		25	0	5.06	<13	PASS
		25	12	5.09	<13	PASS
		25	25	5.28	<13	PASS
		50	0	5.13	<13	PASS

		1	0	4.24	<13	PASS
	HCH	1	24	4.61	<13	PASS
		1	49	4.81	<13	PASS
		25	0	5.15	<13	PASS
		25	12	5.29	<13	PASS
		25	25	5.45	<13	PASS
		50	0	5.31	<13	PASS
		1	0	6.29	<13	PASS
	LCH	1	24	6.44	<13	PASS
		1	49	6.92	<13	PASS
		25	0	6.77	<13	PASS
		25	12	6.78	<13	PASS
		25	25	6.83	<13	PASS
		50	0	6.65	<13	PASS
		1	0	5.36	<13	PASS
	MCH	1	24	5.29	<13	PASS
		1	49	5.89	<13	PASS
		25	0	5.89	<13	PASS
		25	12	5.9	<13	PASS
		25	25	6.1	<13	PASS
		50	0	5.92	<13	PASS
		1	0	5.31	<13	PASS
	HCH	1	24	5.37	<13	PASS
		1	49	5.68	<13	PASS
		25	0	6.02	<13	PASS
		25	12	6.14	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.04	<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	5.35	<13	PASS
		1	37	5.63	<13	PASS
		1	74	5.57	<13	PASS
		37	0	5.83	<13	PASS
		37	18	5.93	<13	PASS
		37	38	5.91	<13	PASS
		75	0	6.2	<13	PASS
	MCH	1	0	4.58	<13	PASS

		1	37	4.37	<13	PASS
		1	74	5.29	<13	PASS
		37	0	4.99	<13	PASS
		37	18	5	<13	PASS
		37	38	5.3	<13	PASS
		75	0	5.52	<13	PASS
		1	0	5.14	<13	PASS
		1	37	4.5	<13	PASS
		1	74	5.12	<13	PASS
		37	0	5.25	<13	PASS
		37	18	5.1	<13	PASS
		37	38	5.25	<13	PASS
		75	0	5.58	<13	PASS
16QAM	LCH	1	0	6.08	<13	PASS
		1	37	6.53	<13	PASS
		1	74	6.45	<13	PASS
		37	0	6.71	<13	PASS
		37	18	6.79	<13	PASS
		37	38	6.78	<13	PASS
		75	0	6.75	<13	PASS
	MCH	1	0	5.54	<13	PASS
		1	37	5.23	<13	PASS
		1	74	6.15	<13	PASS
		37	0	5.91	<13	PASS
		37	18	5.89	<13	PASS
		37	38	6.12	<13	PASS
		75	0	6.14	<13	PASS
	HCH	1	0	5.99	<13	PASS
		1	37	5.38	<13	PASS
		1	74	6.03	<13	PASS
		37	0	6.16	<13	PASS
		37	18	5.99	<13	PASS
		37	38	6.17	<13	PASS
		75	0	6.24	<13	PASS

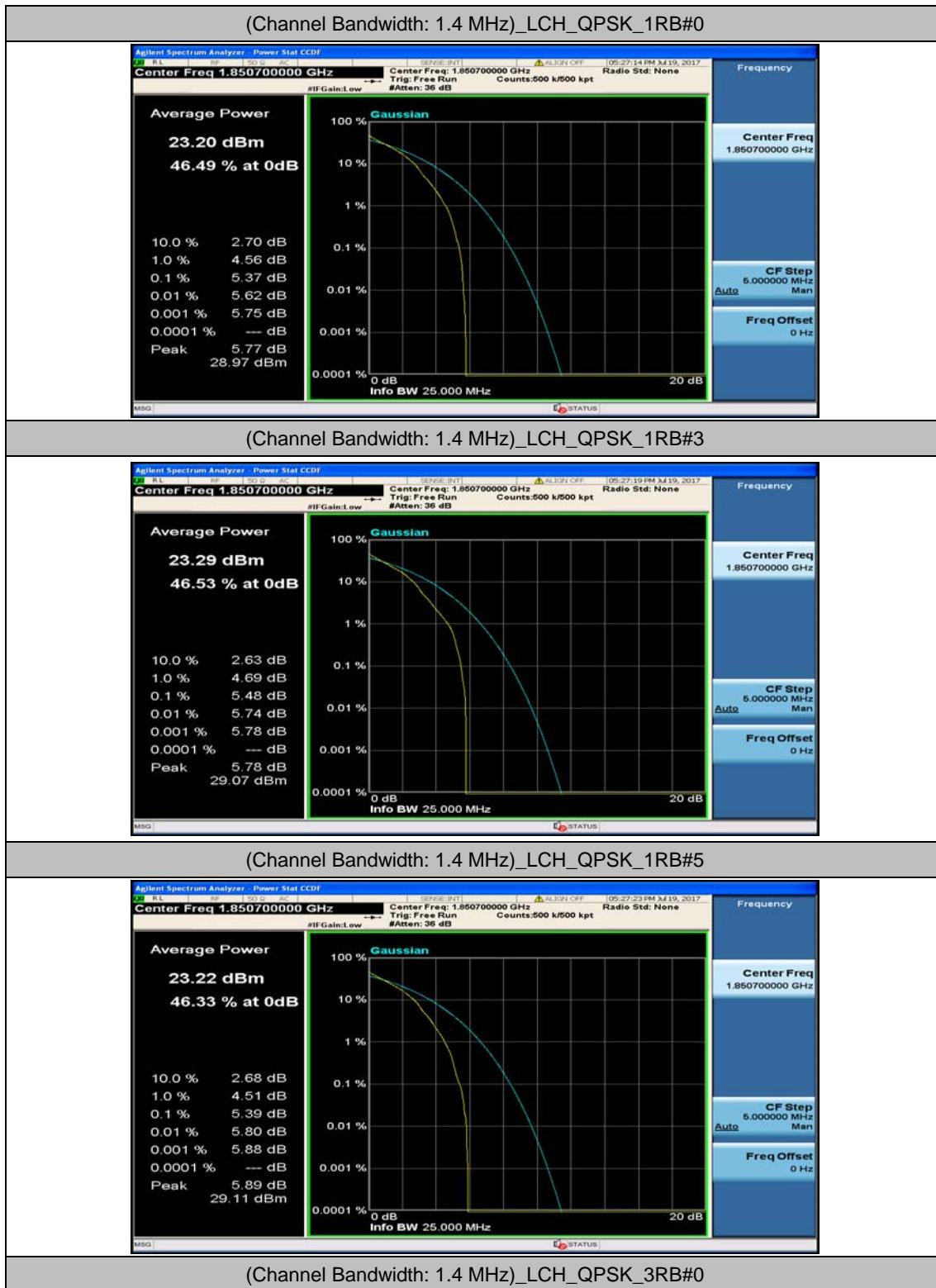
### Channel Bandwidth: 20 MHz

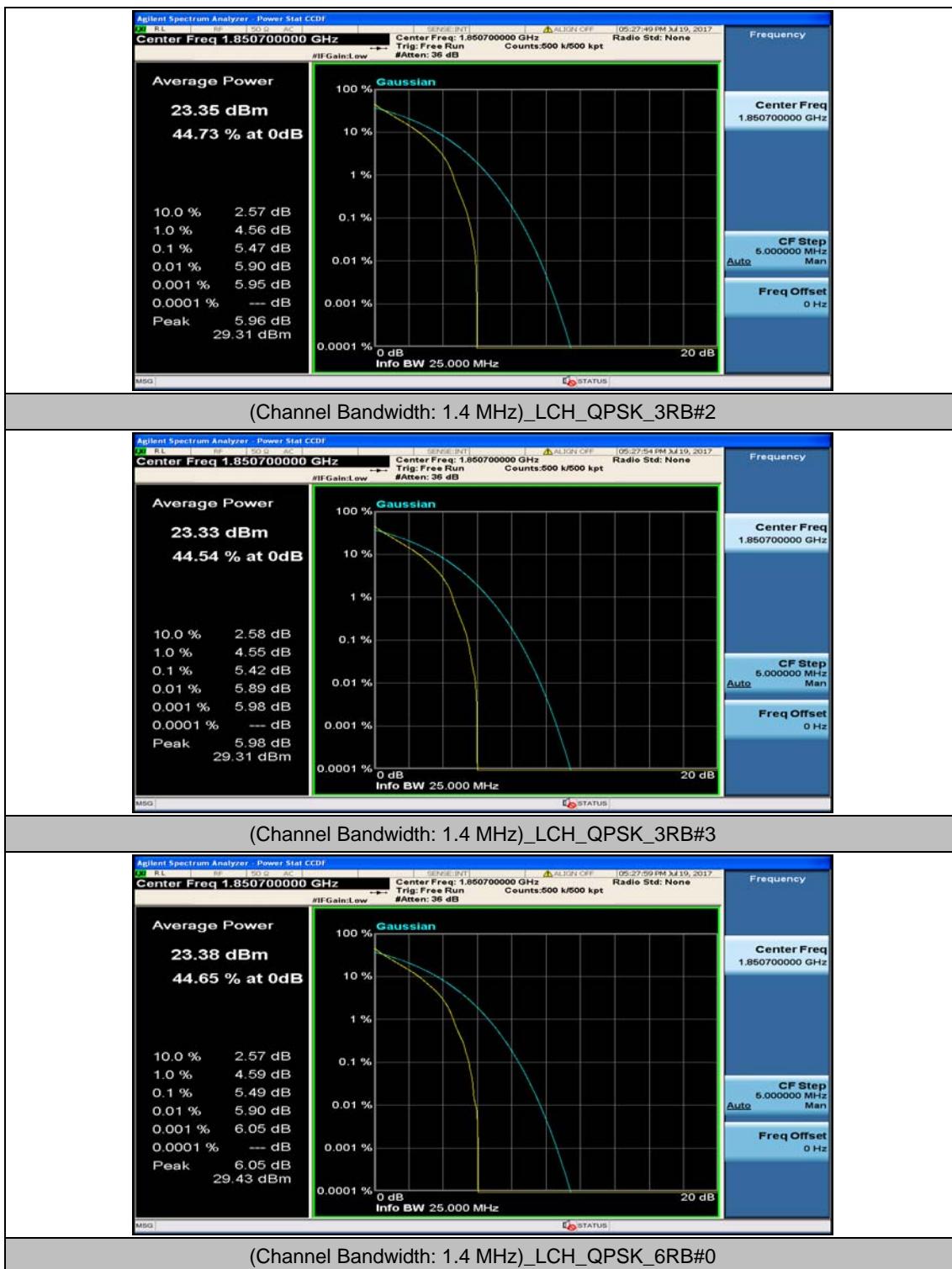
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.2	<13	PASS
		1	49	5.56	<13	PASS

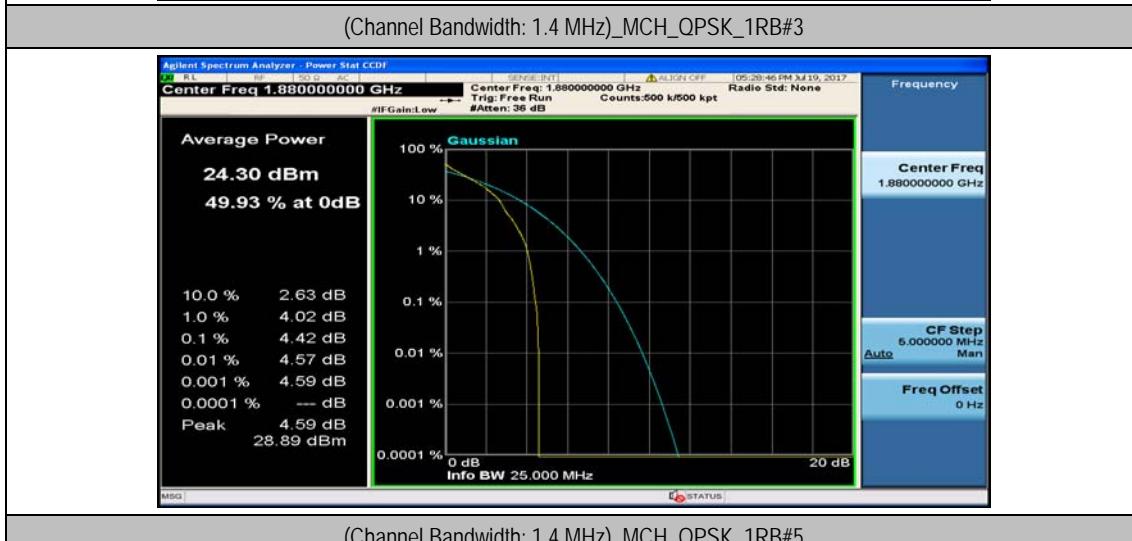
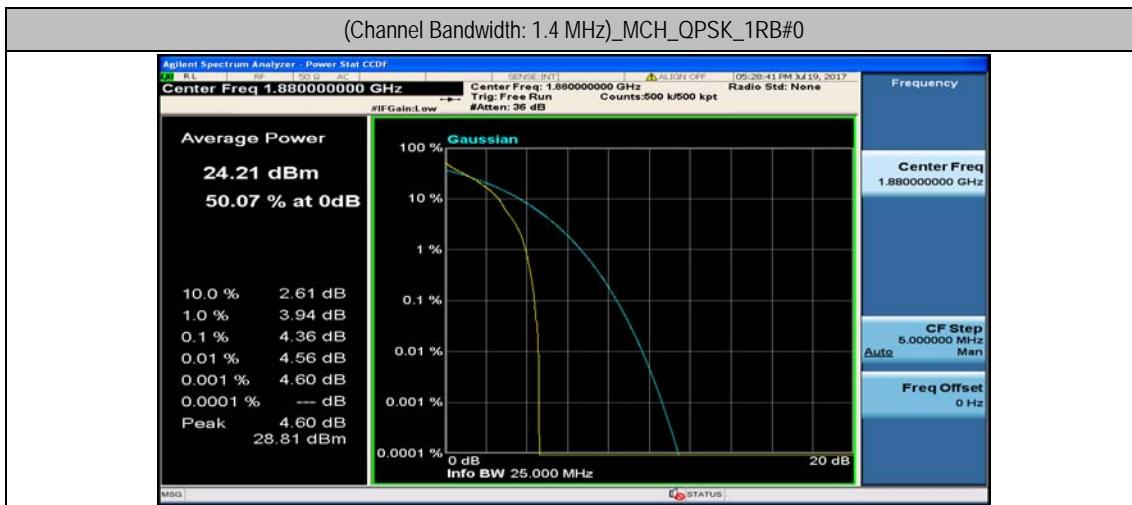
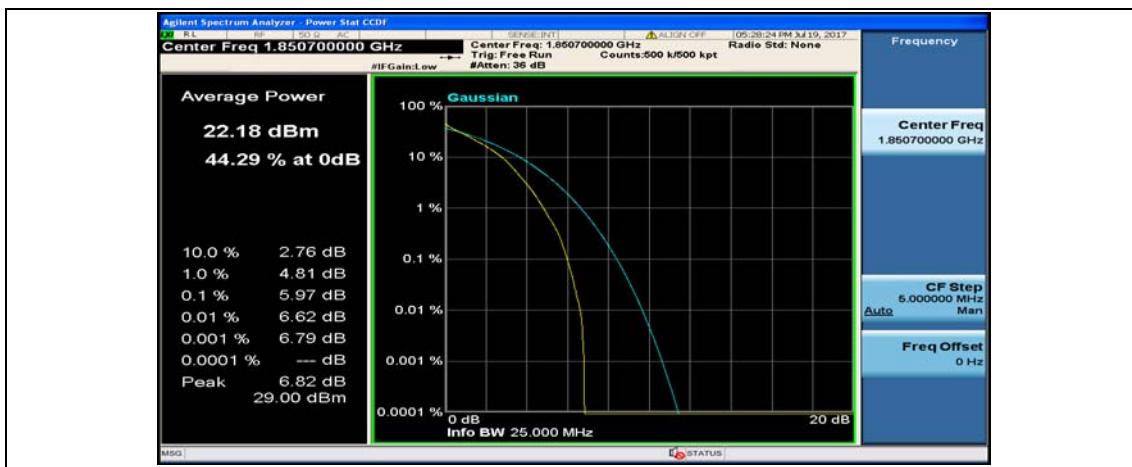
		1	99	5.06	<13	PASS
		50	0	5.87	<13	PASS
		50	25	5.95	<13	PASS
		50	50	5.79	<13	PASS
		100	0	5.89	<13	PASS
		1	0	4.74	<13	PASS
		1	49	4.2	<13	PASS
		1	99	5.23	<13	PASS
		50	0	5.13	<13	PASS
		50	25	5.09	<13	PASS
	MCH	50	50	5.41	<13	PASS
		100	0	5.48	<13	PASS
	HCH	1	0	5.4	<13	PASS
		1	49	4.42	<13	PASS
		1	99	5.17	<13	PASS
		50	0	5.54	<13	PASS
		50	25	5.29	<13	PASS
	LCH	50	50	5.26	<13	PASS
		100	0	5.48	<13	PASS
	MCH	1	0	6.25	<13	PASS
		1	49	6.7	<13	PASS
		1	99	6.14	<13	PASS
		50	0	6.67	<13	PASS
		50	25	6.69	<13	PASS
	HCH	50	50	6.65	<13	PASS
		100	0	6.6	<13	PASS
	MCH	1	0	5.78	<13	PASS
		1	49	4.89	<13	PASS
		1	99	6.36	<13	PASS
		50	0	5.98	<13	PASS
		50	25	5.93	<13	PASS
	HCH	50	50	6.22	<13	PASS
		100	0	6.21	<13	PASS
	LCH	1	0	6.2	<13	PASS
		1	49	5.36	<13	PASS
		1	99	5.86	<13	PASS
		50	0	6.34	<13	PASS
		50	25	6.12	<13	PASS

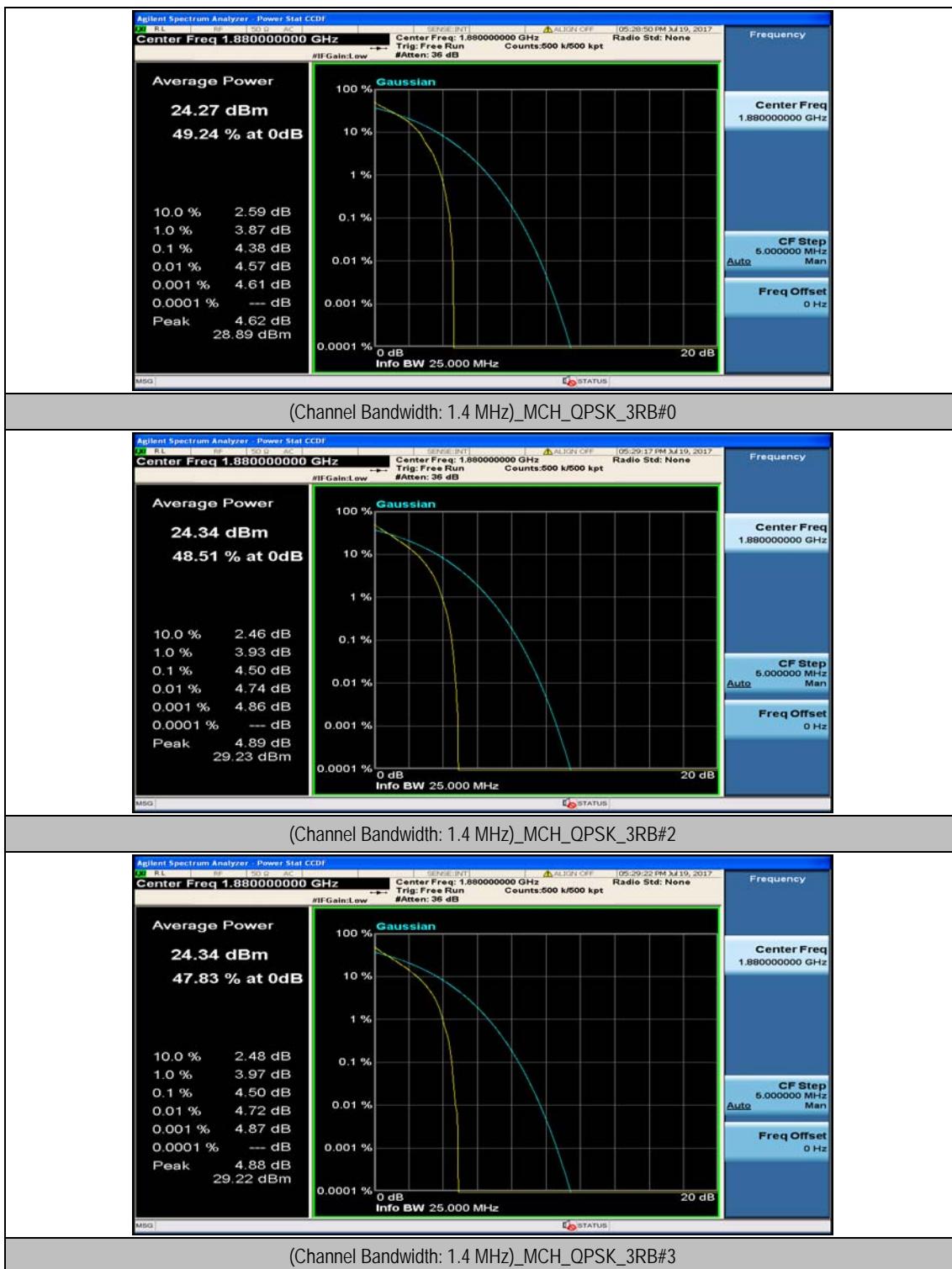
## Test Graphs

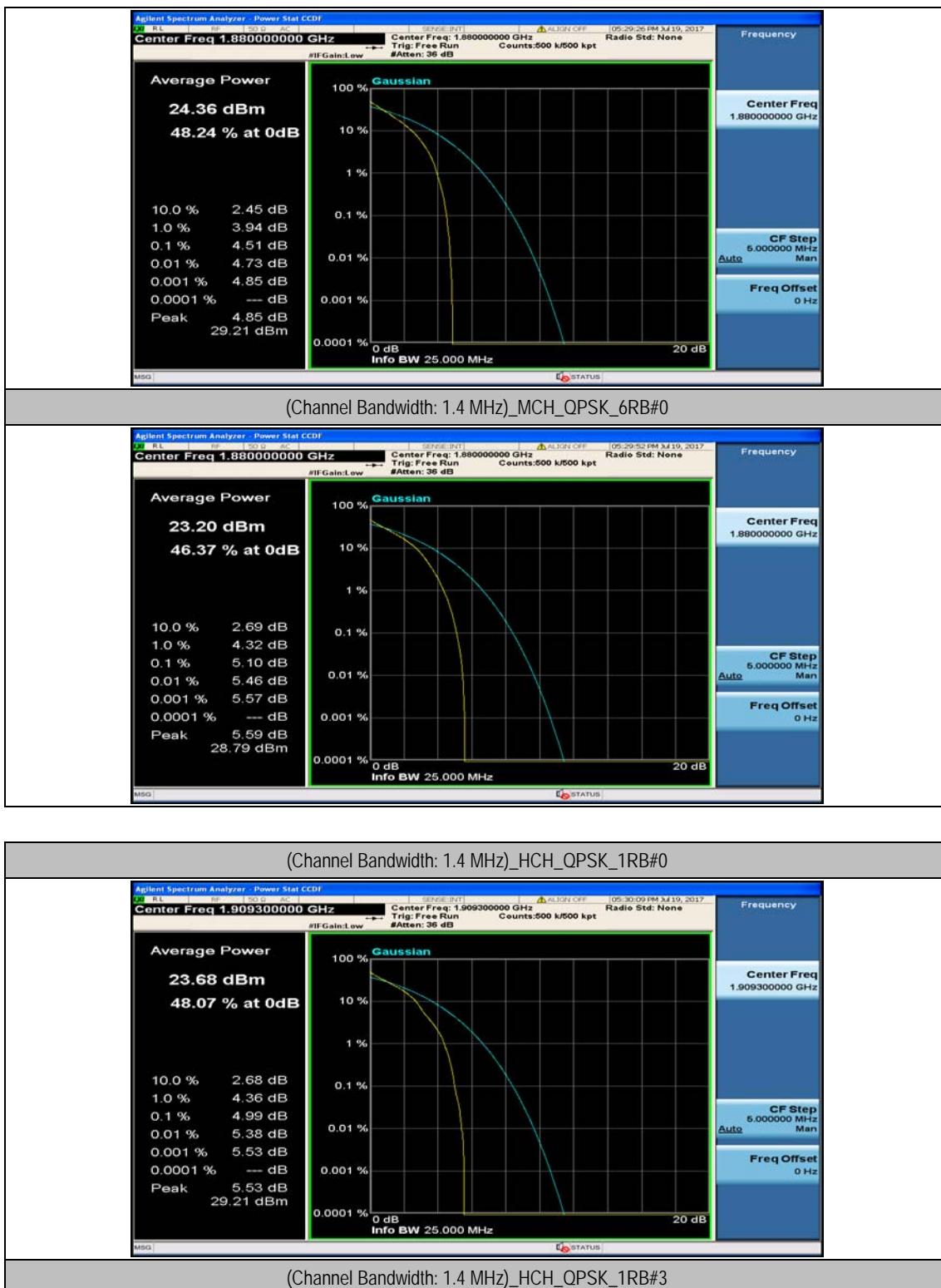
### Channel Bandwidth: 1.4 MHz

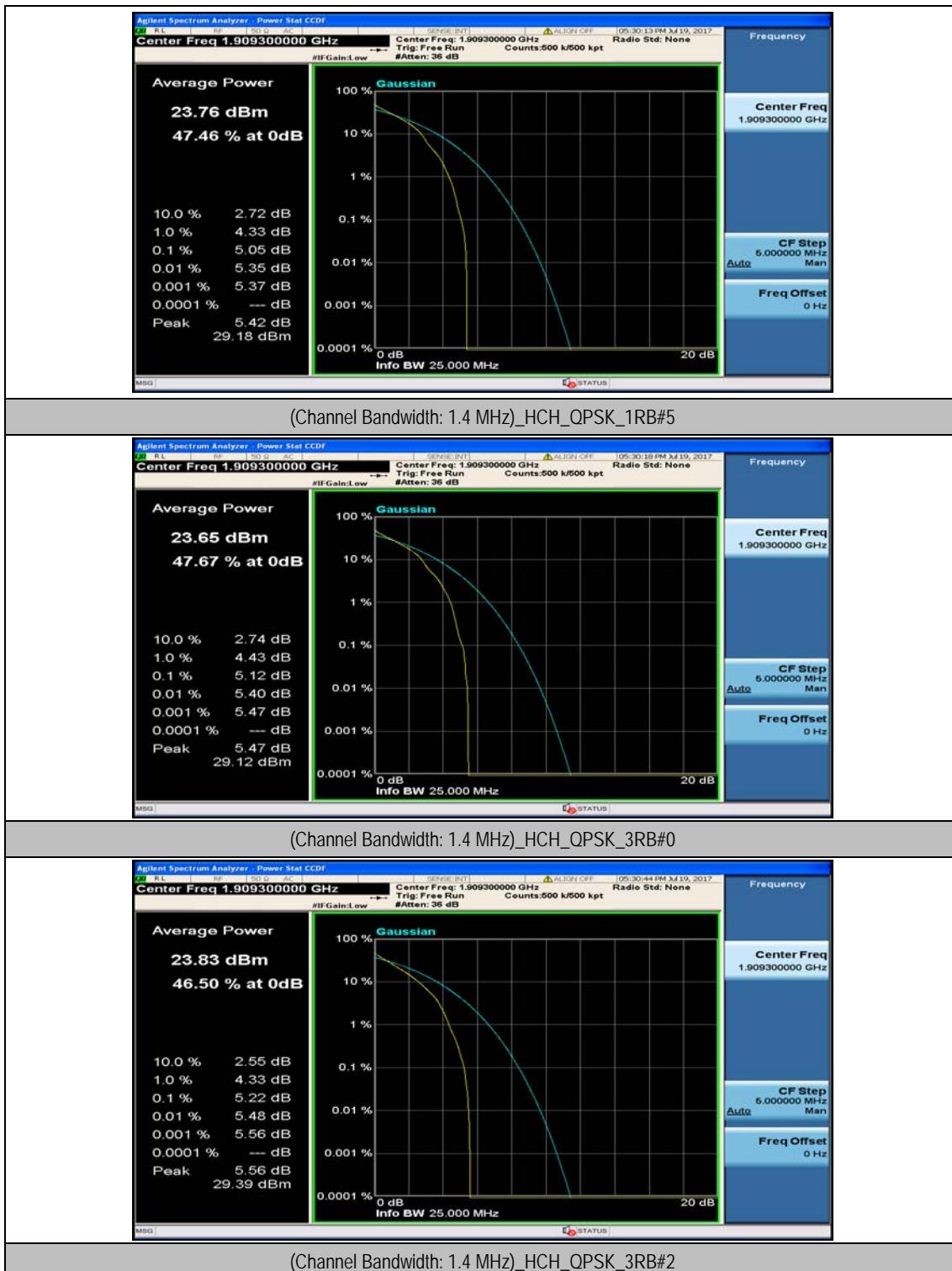


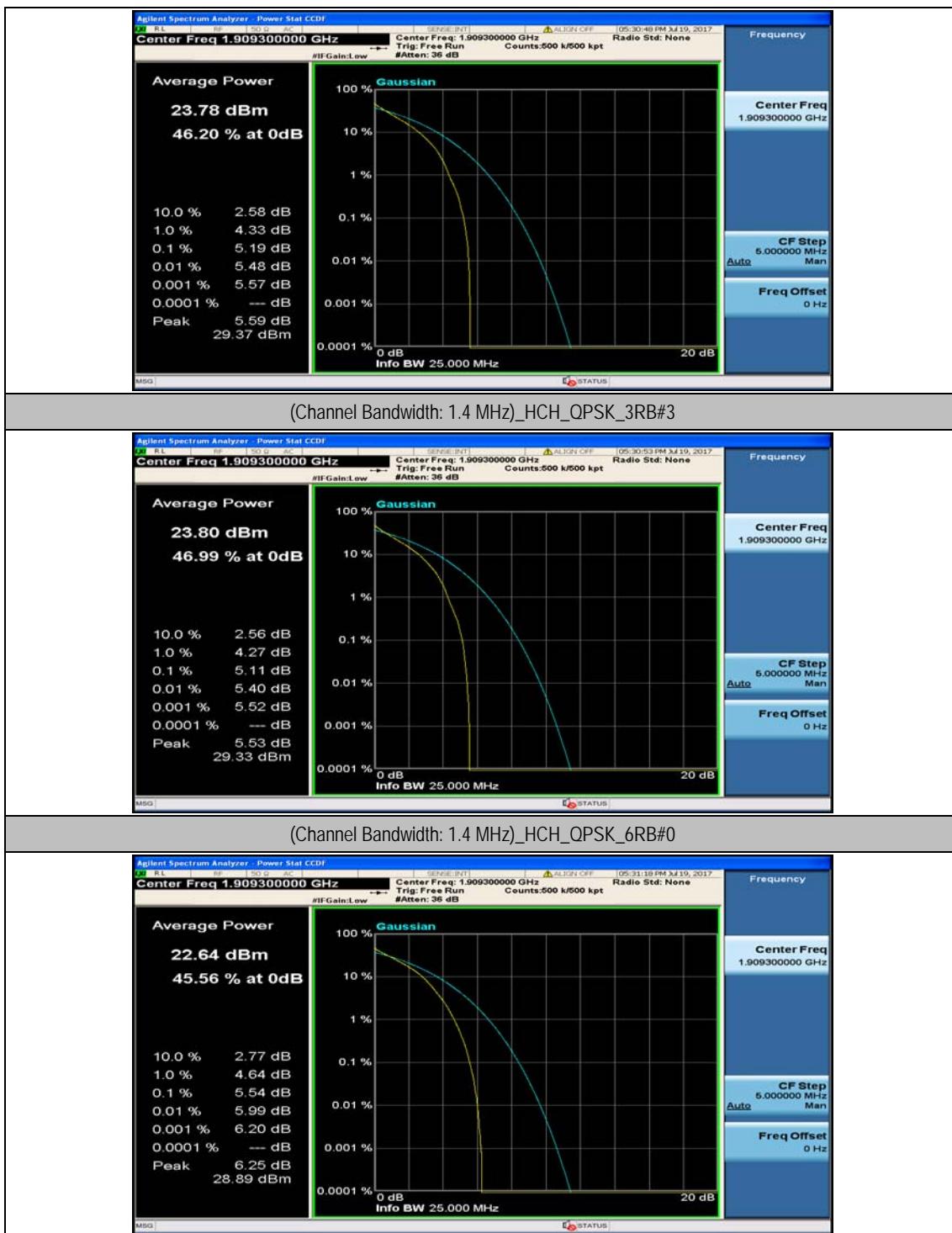




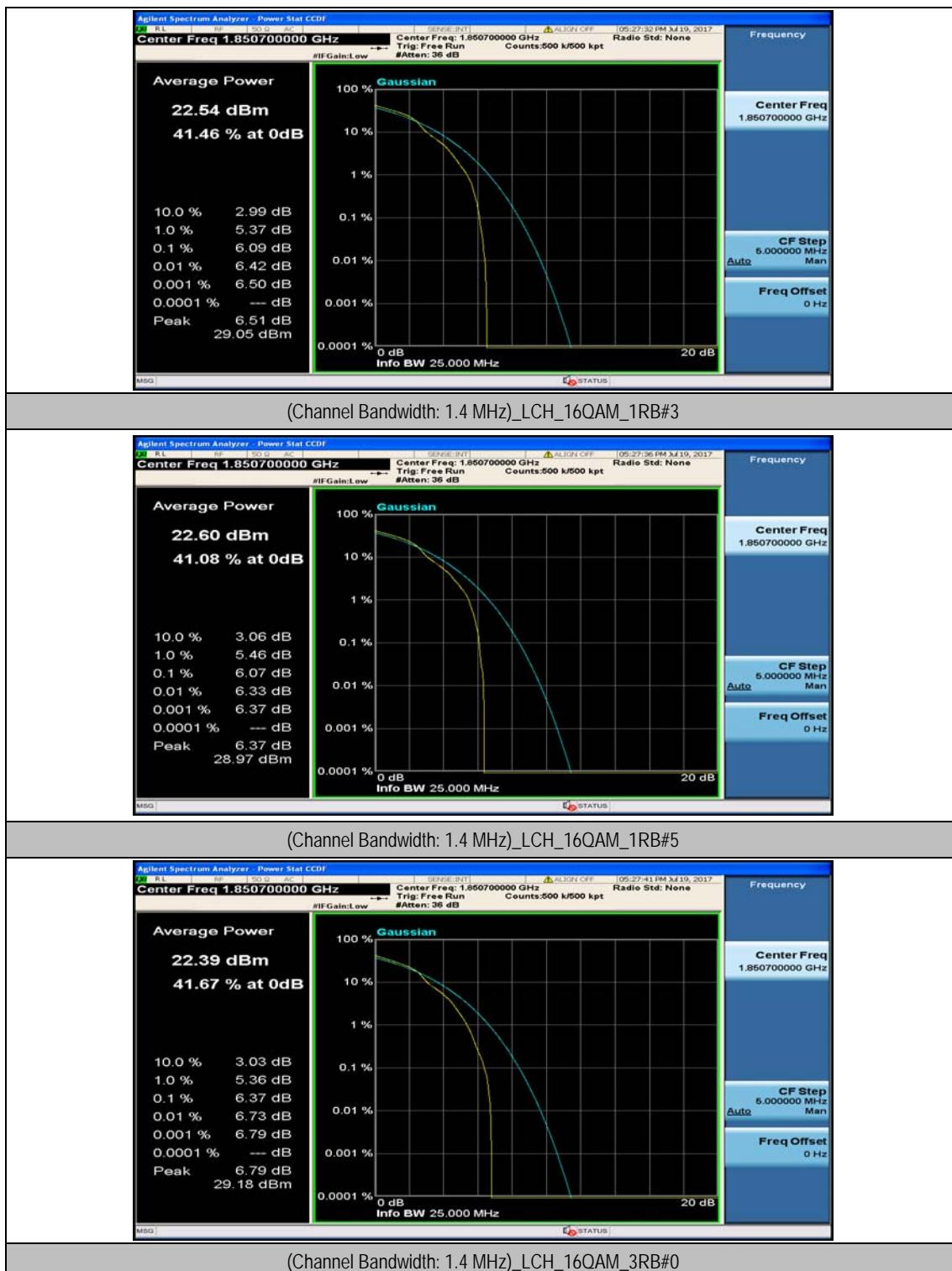


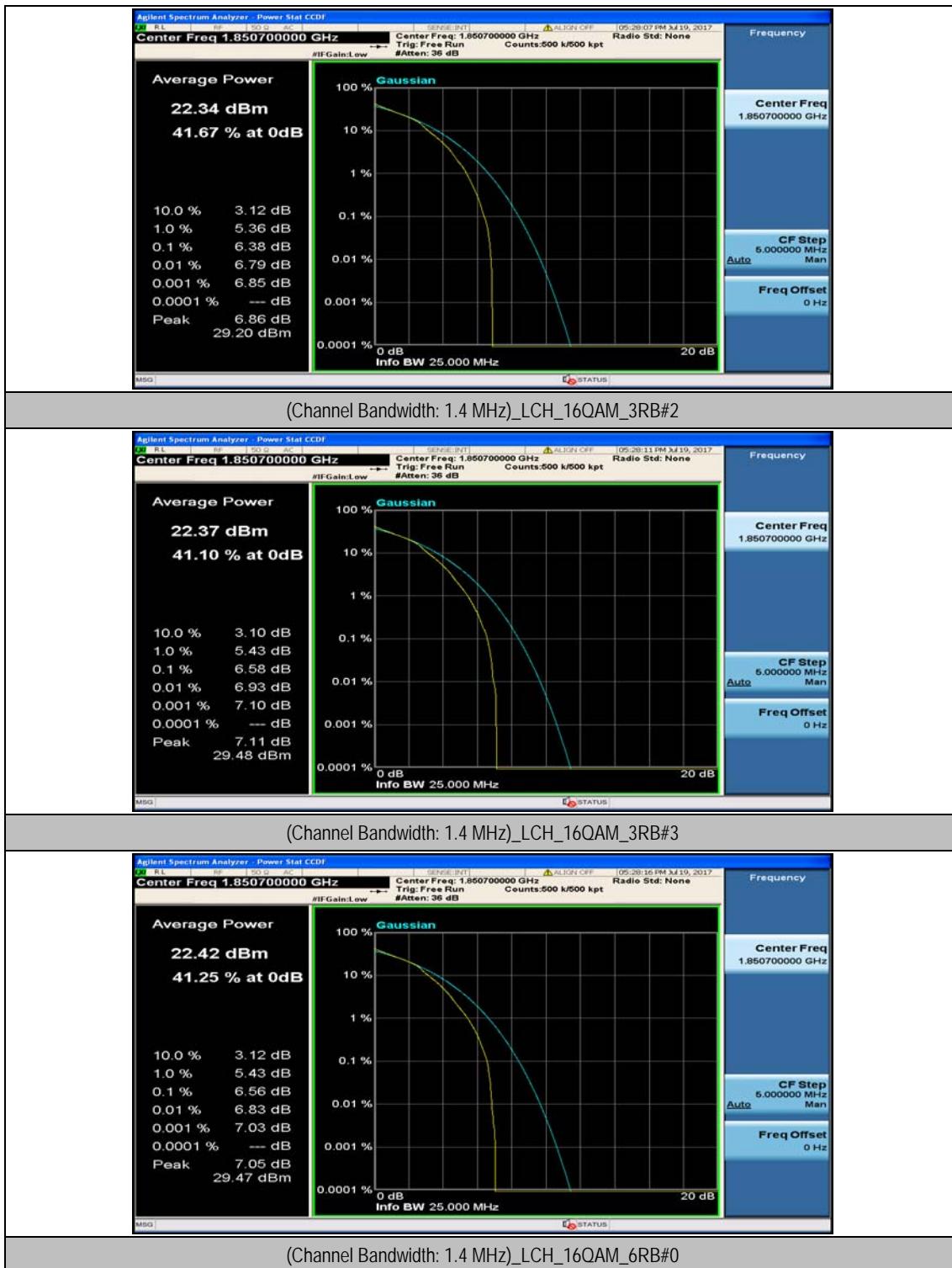


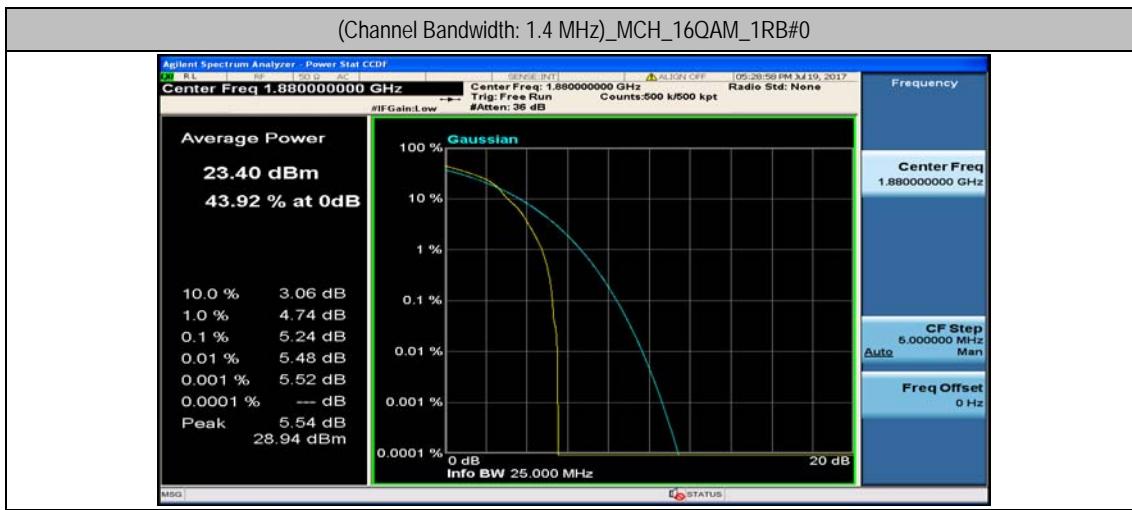
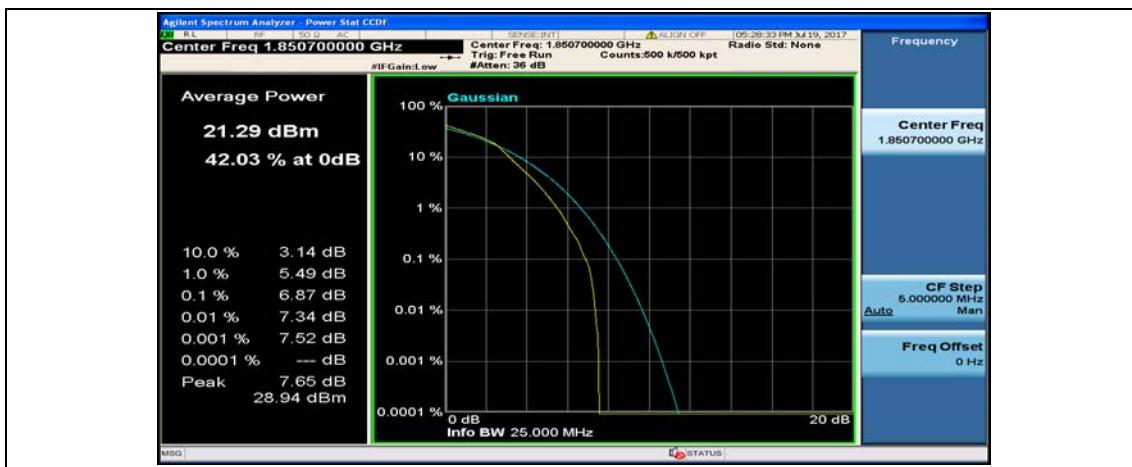


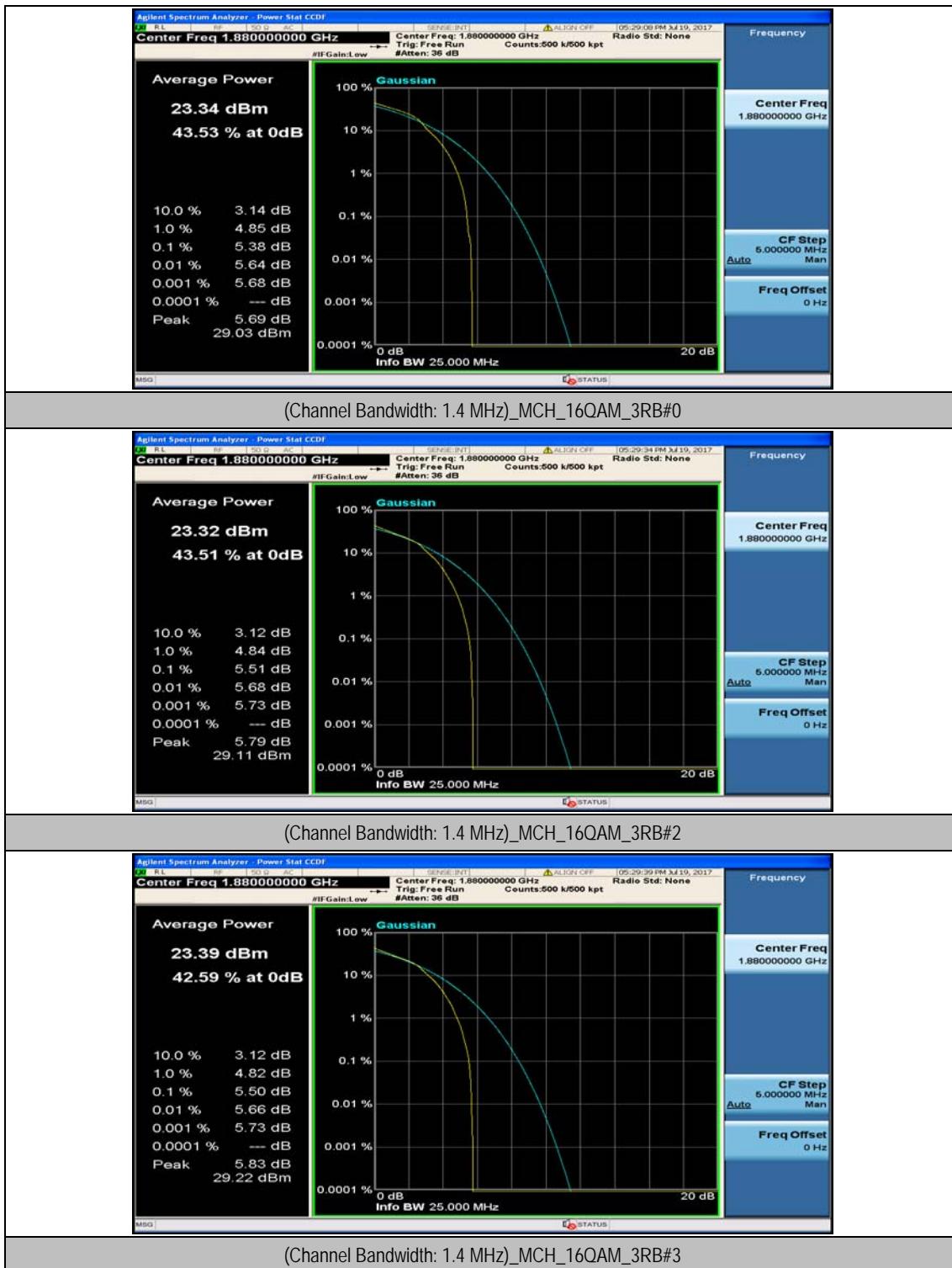


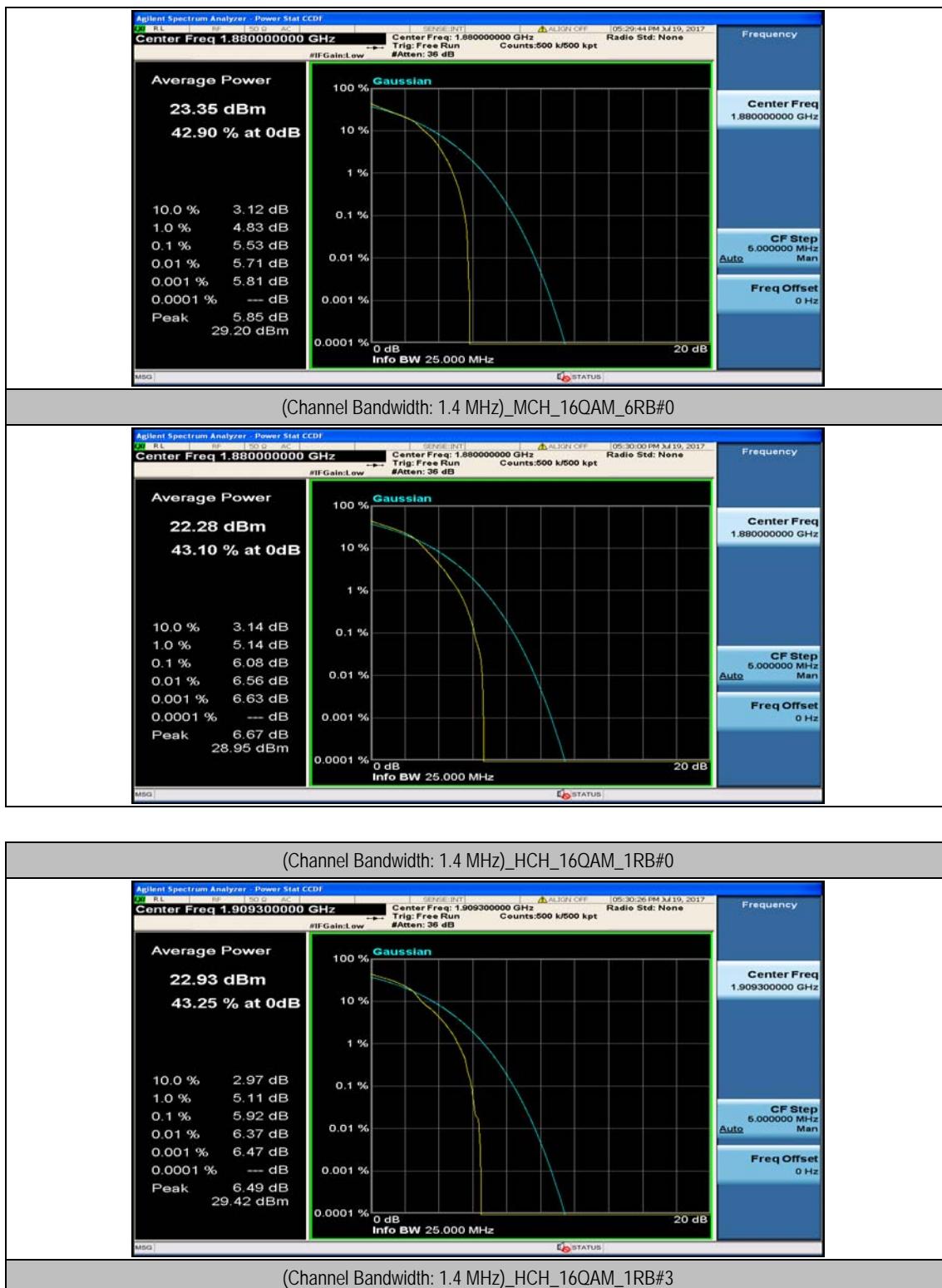
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0

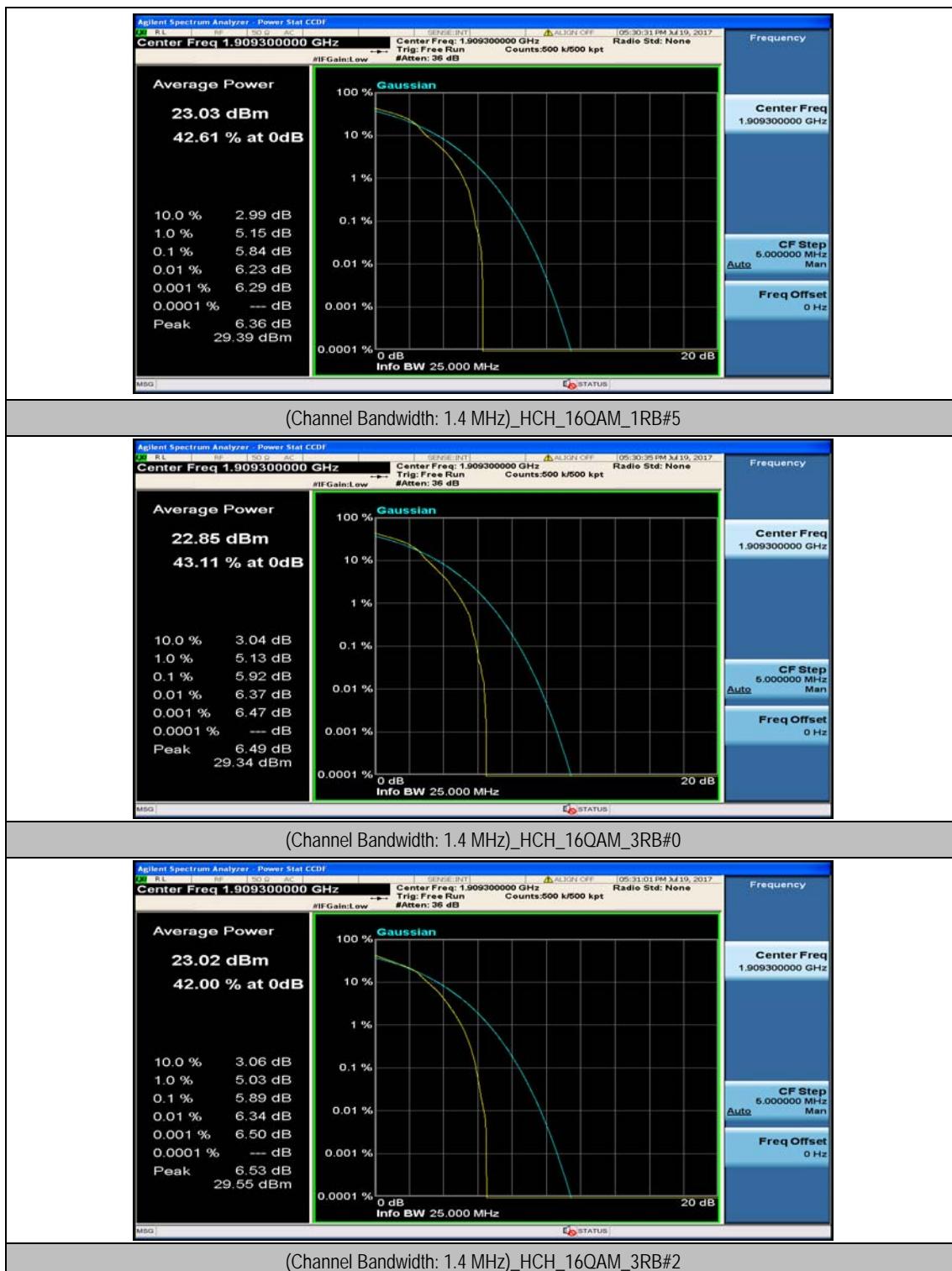


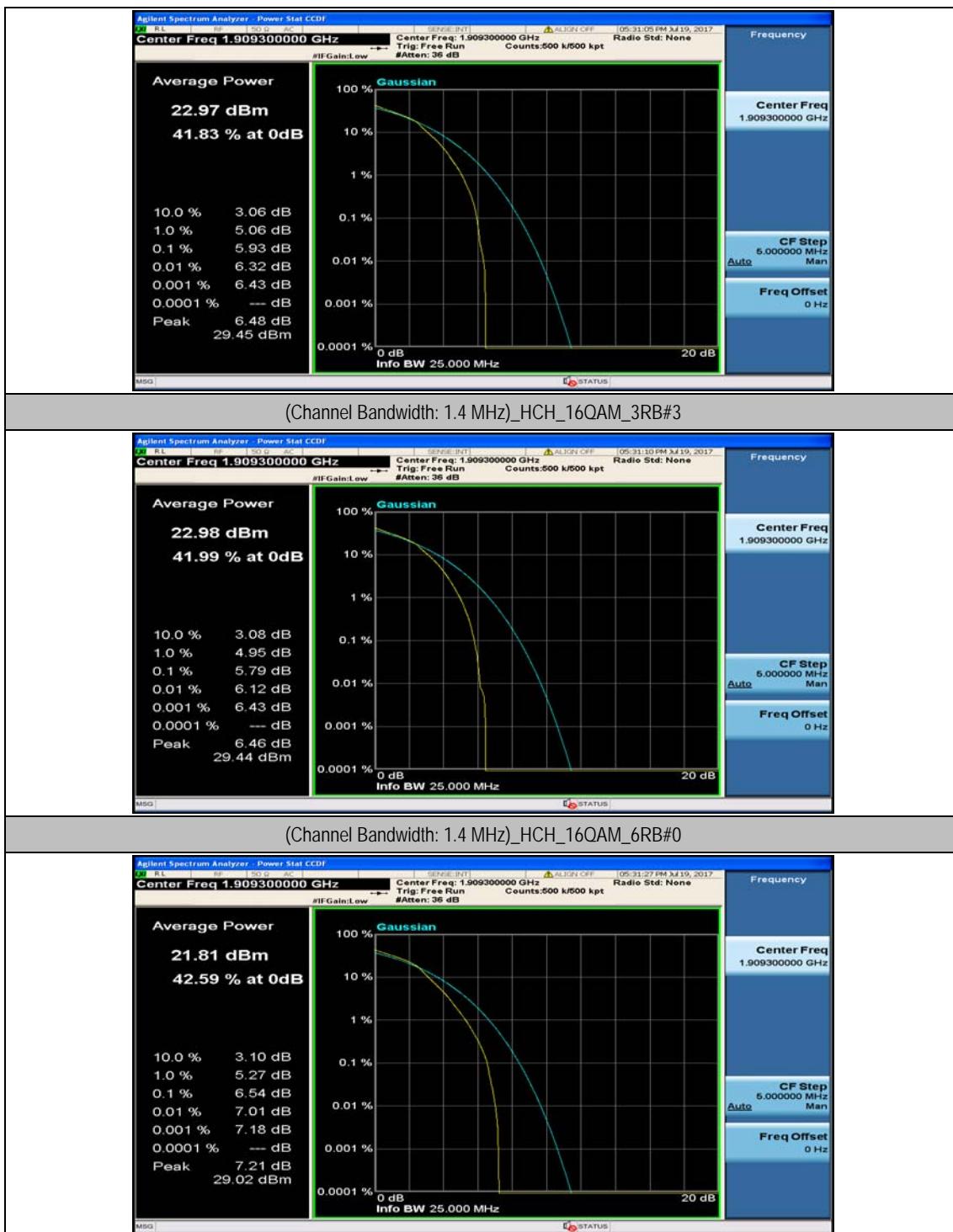






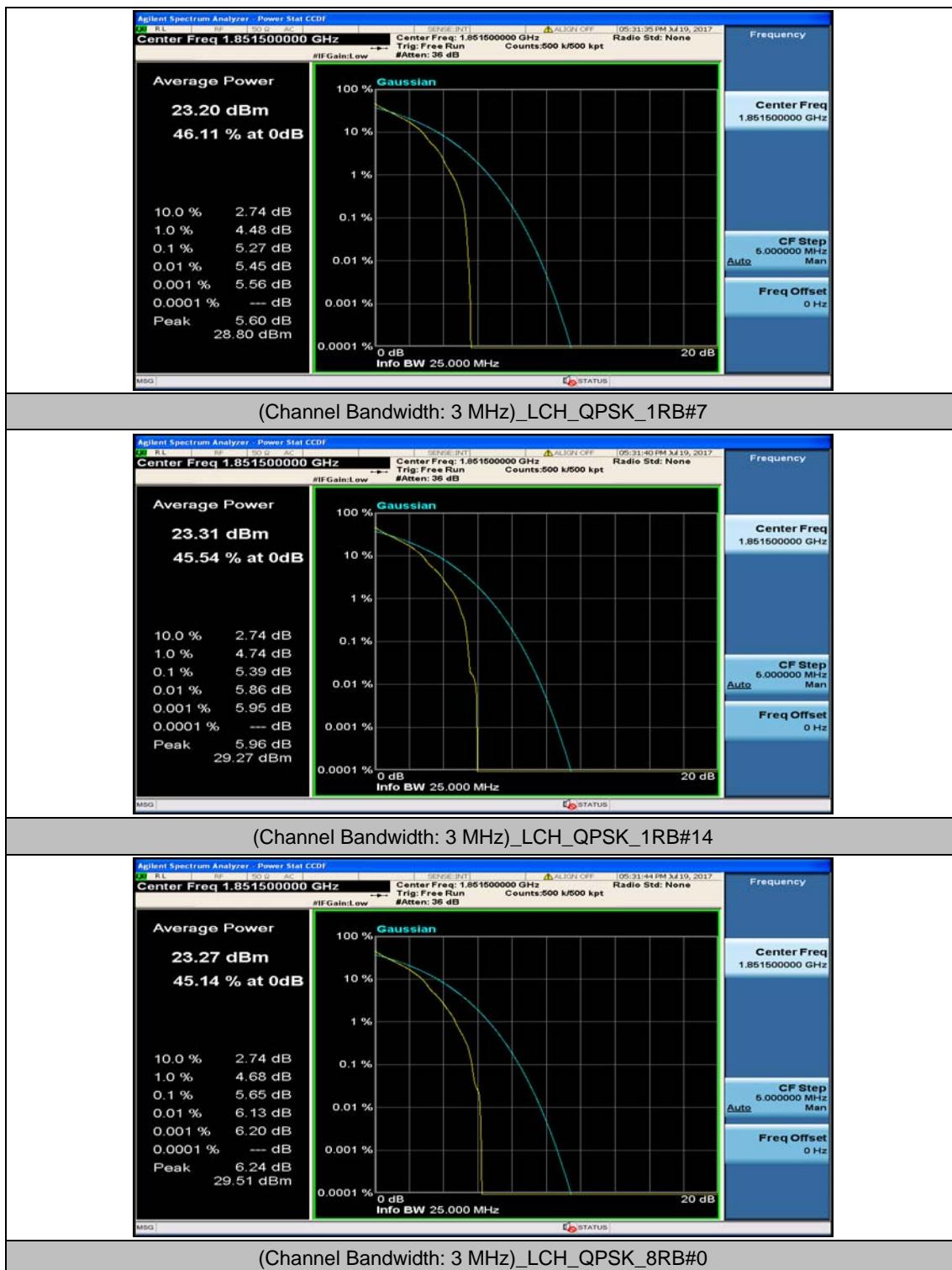


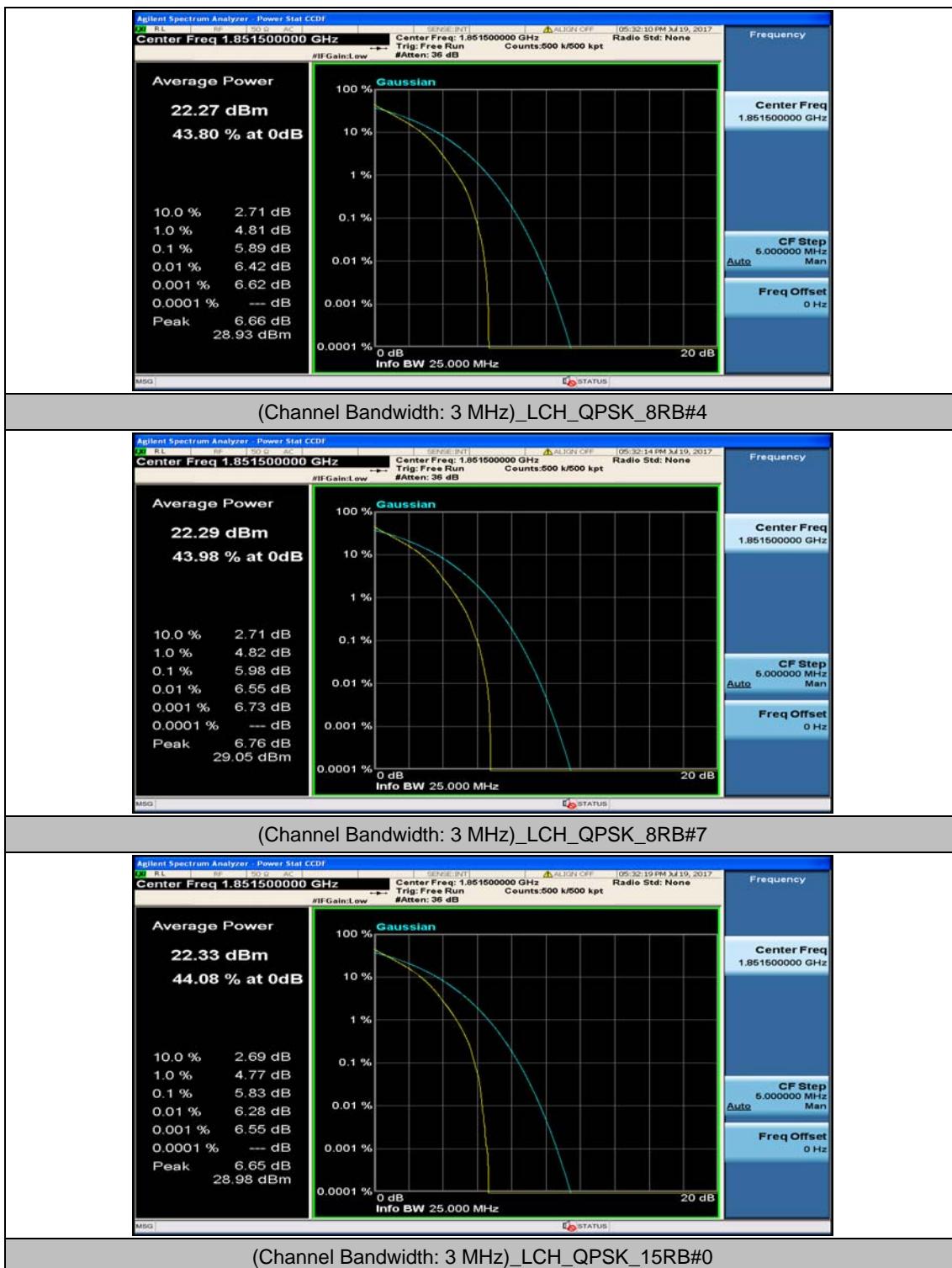


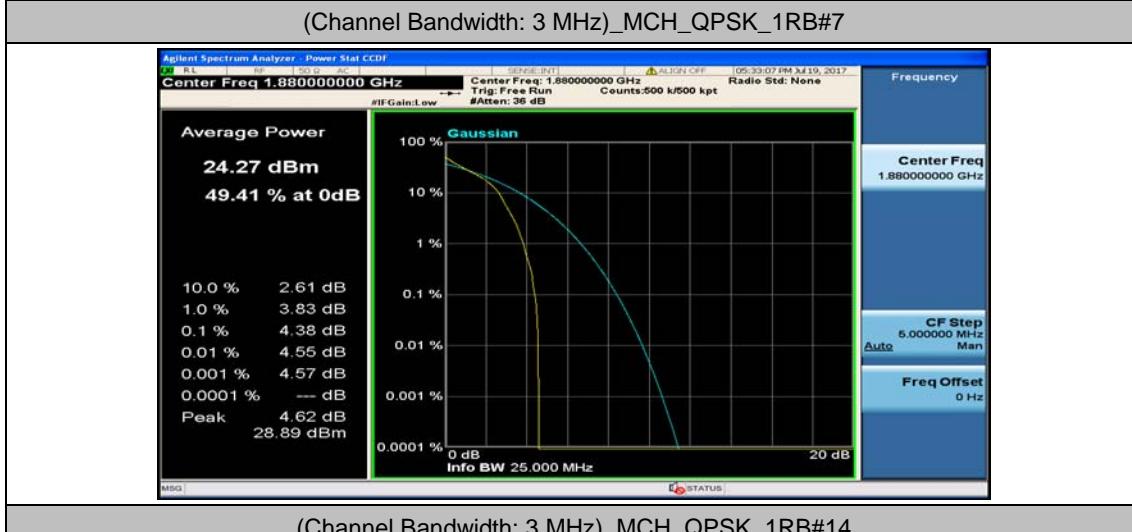
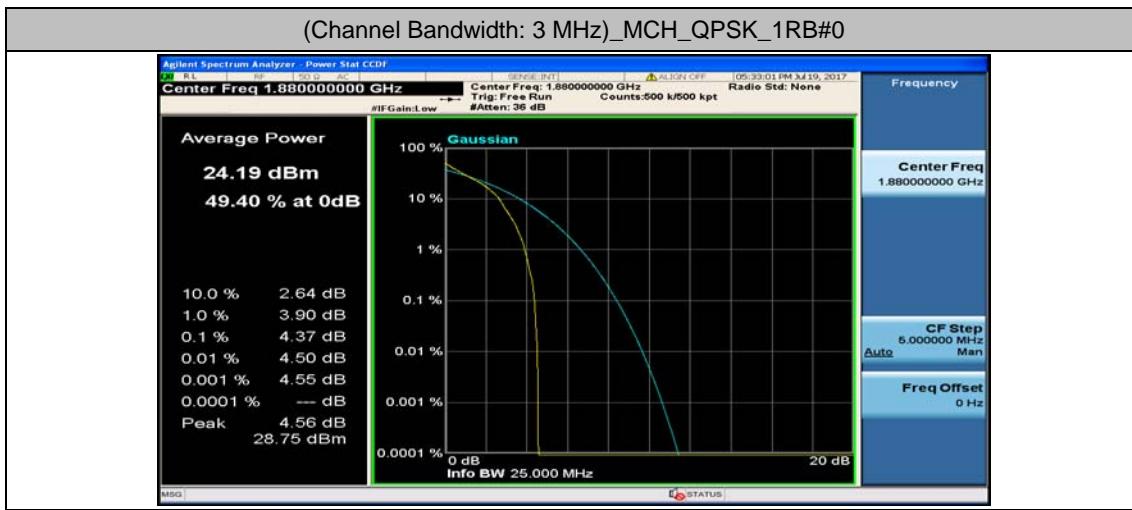
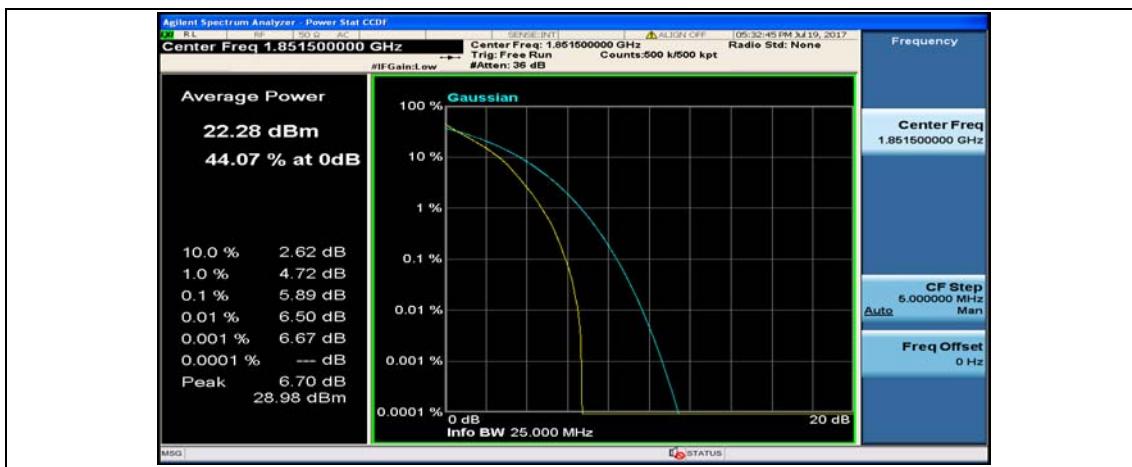


## Channel Bandwidth: 3 MHz

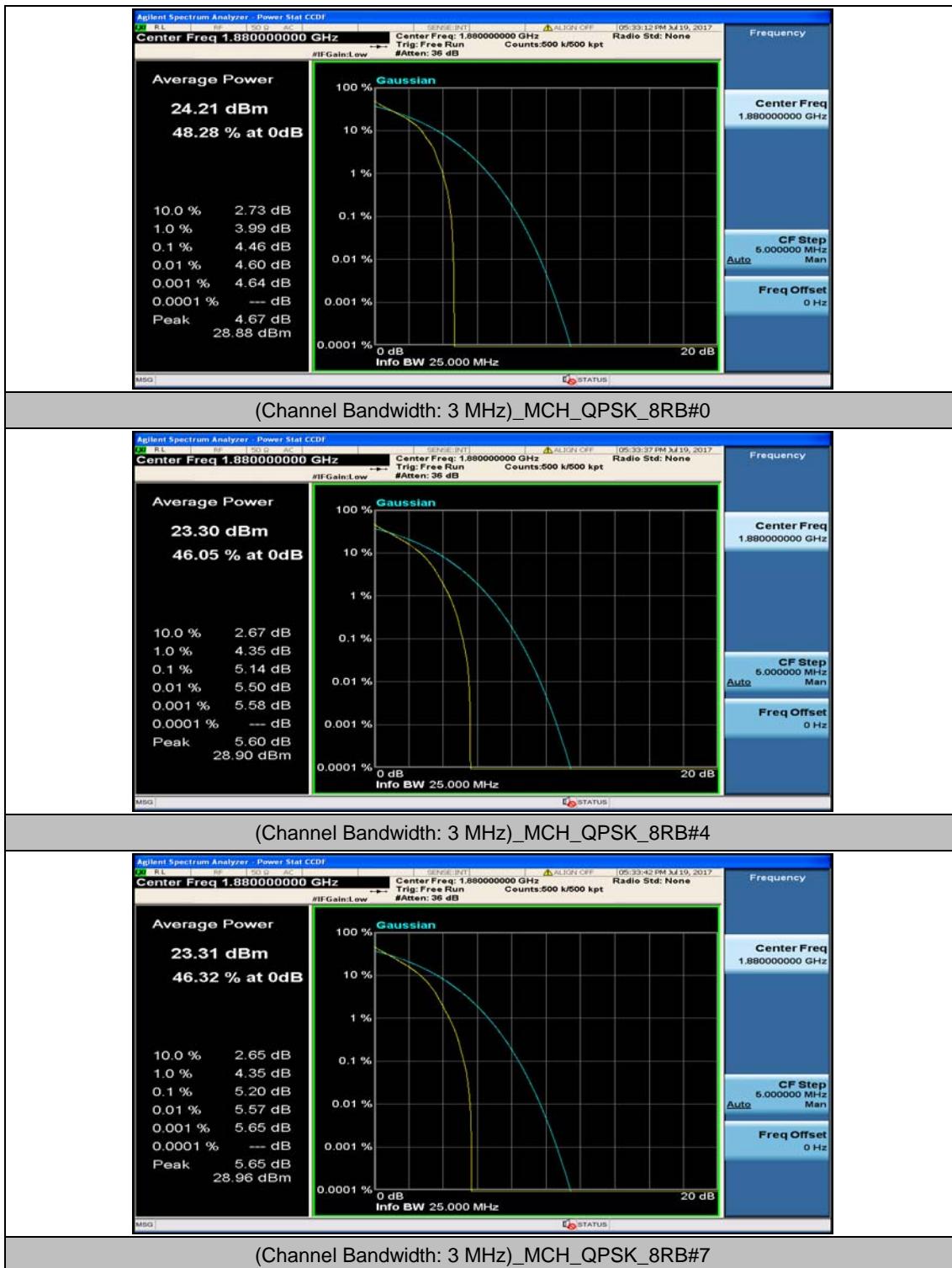
**(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0**

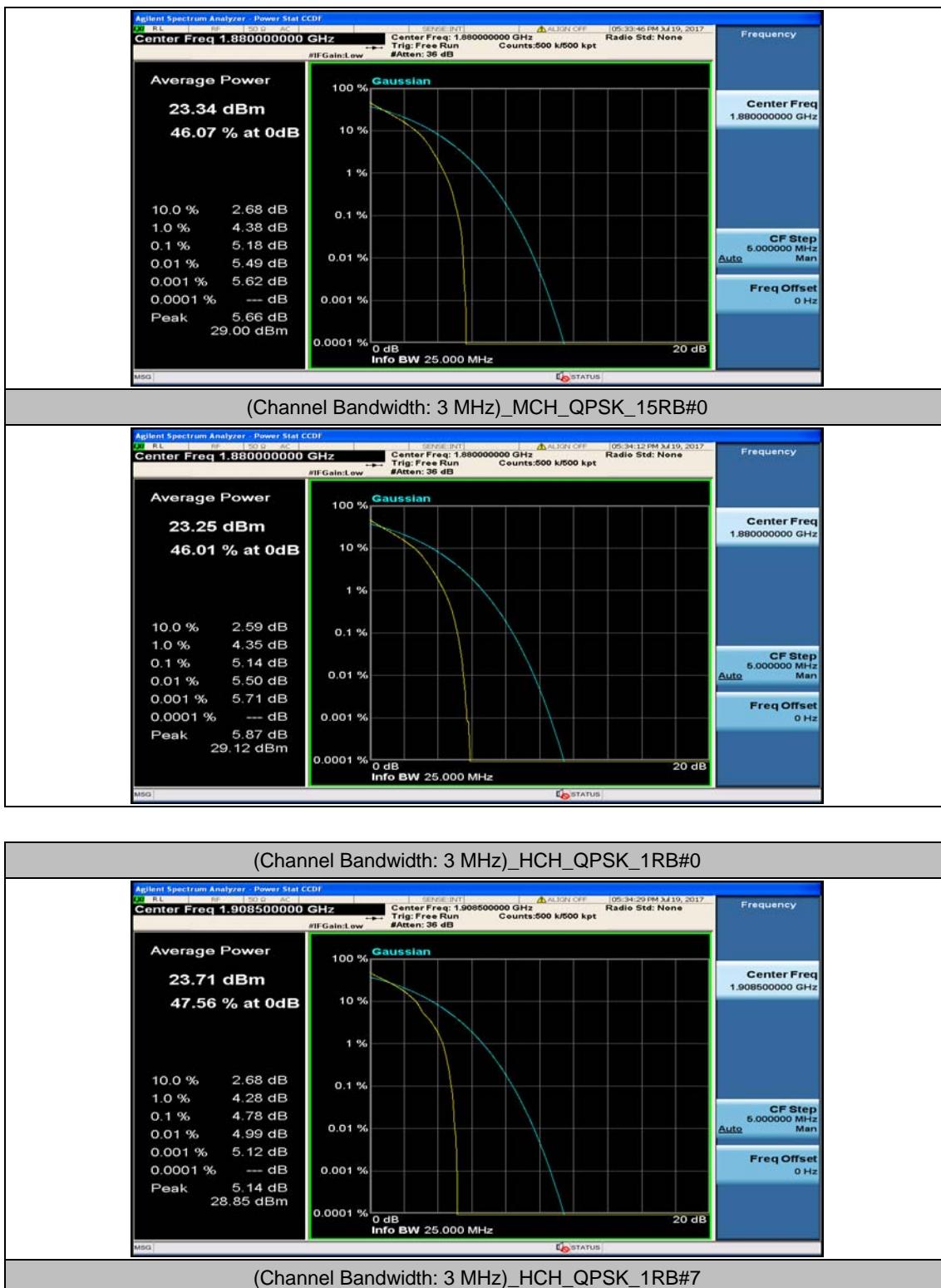


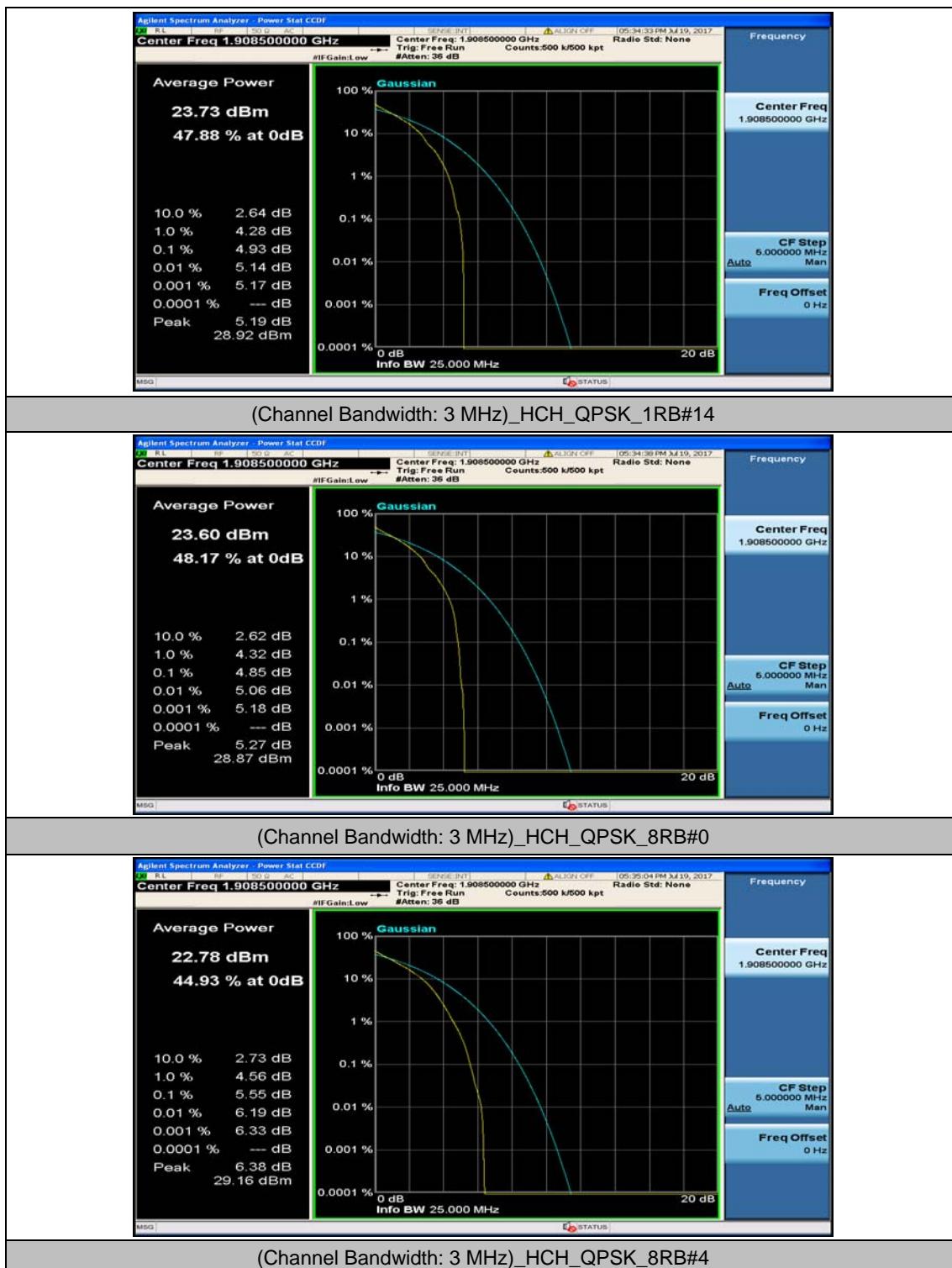


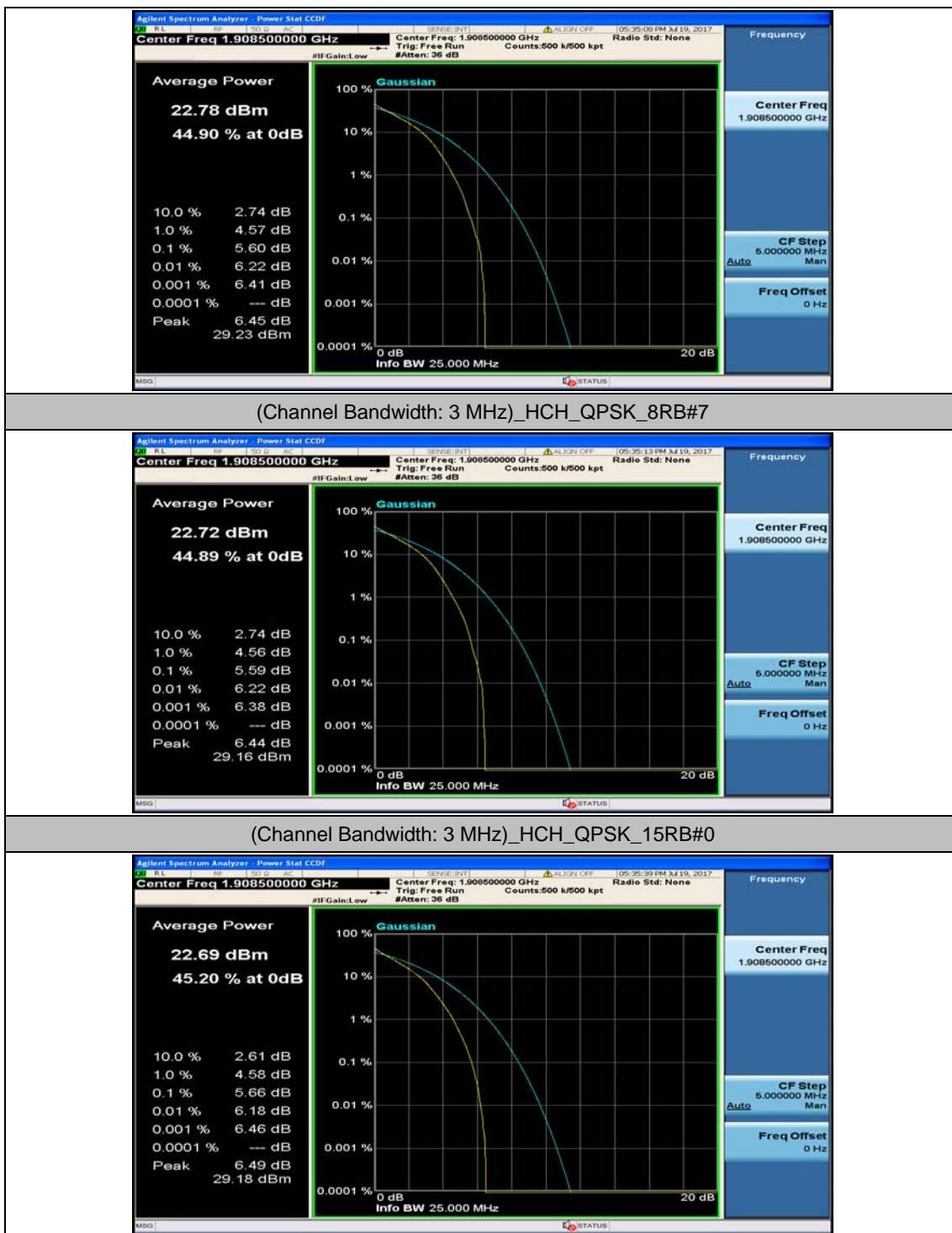


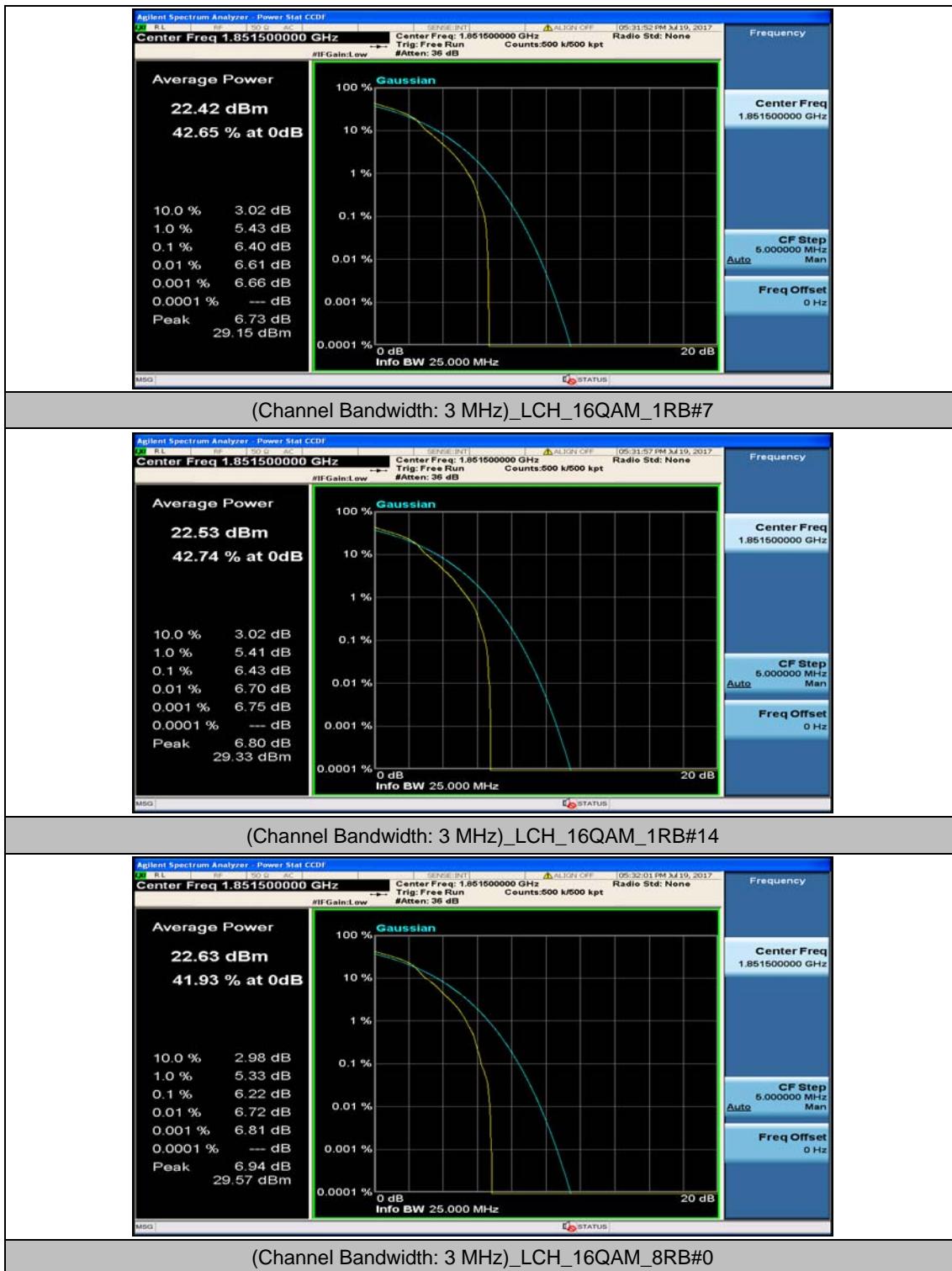
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14

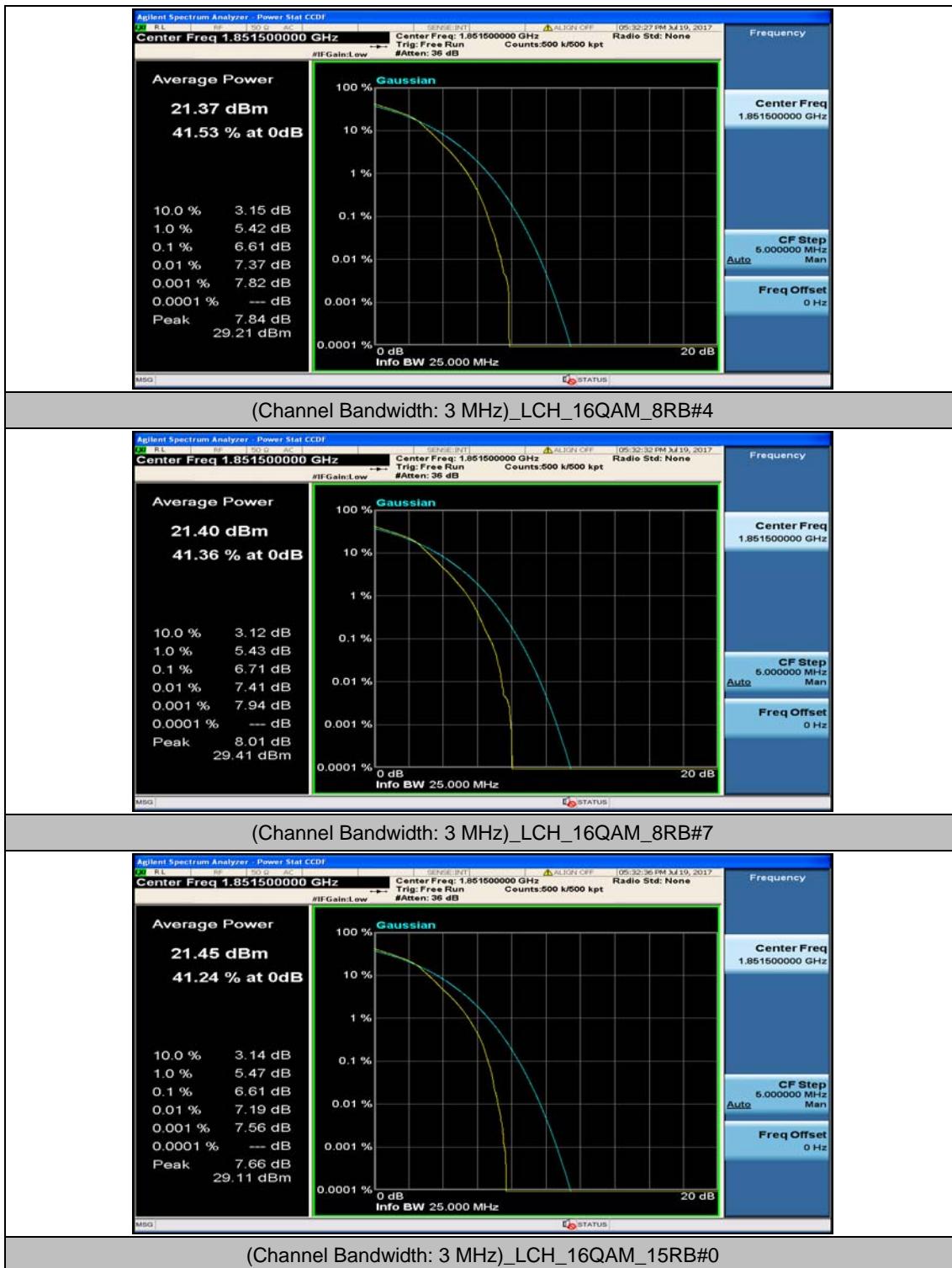


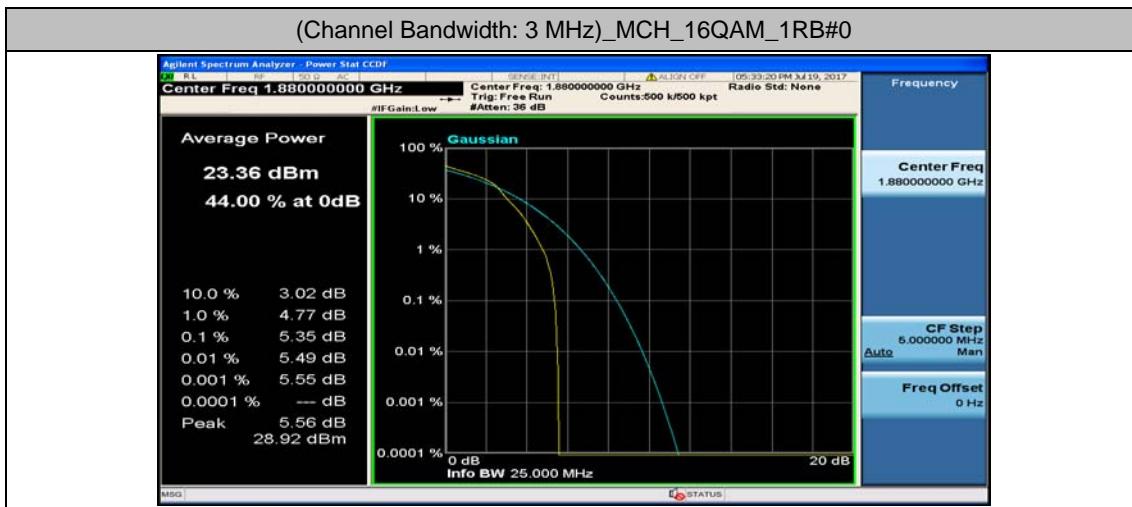
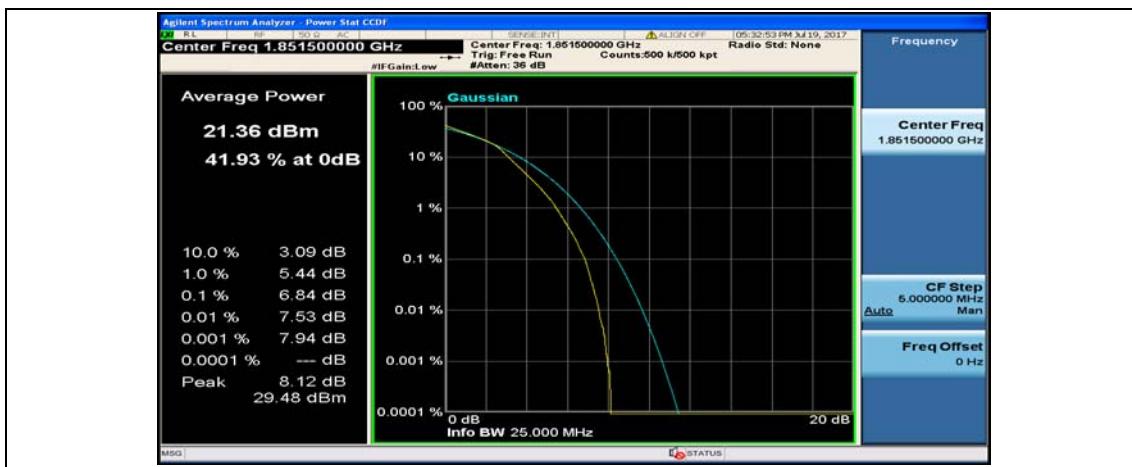




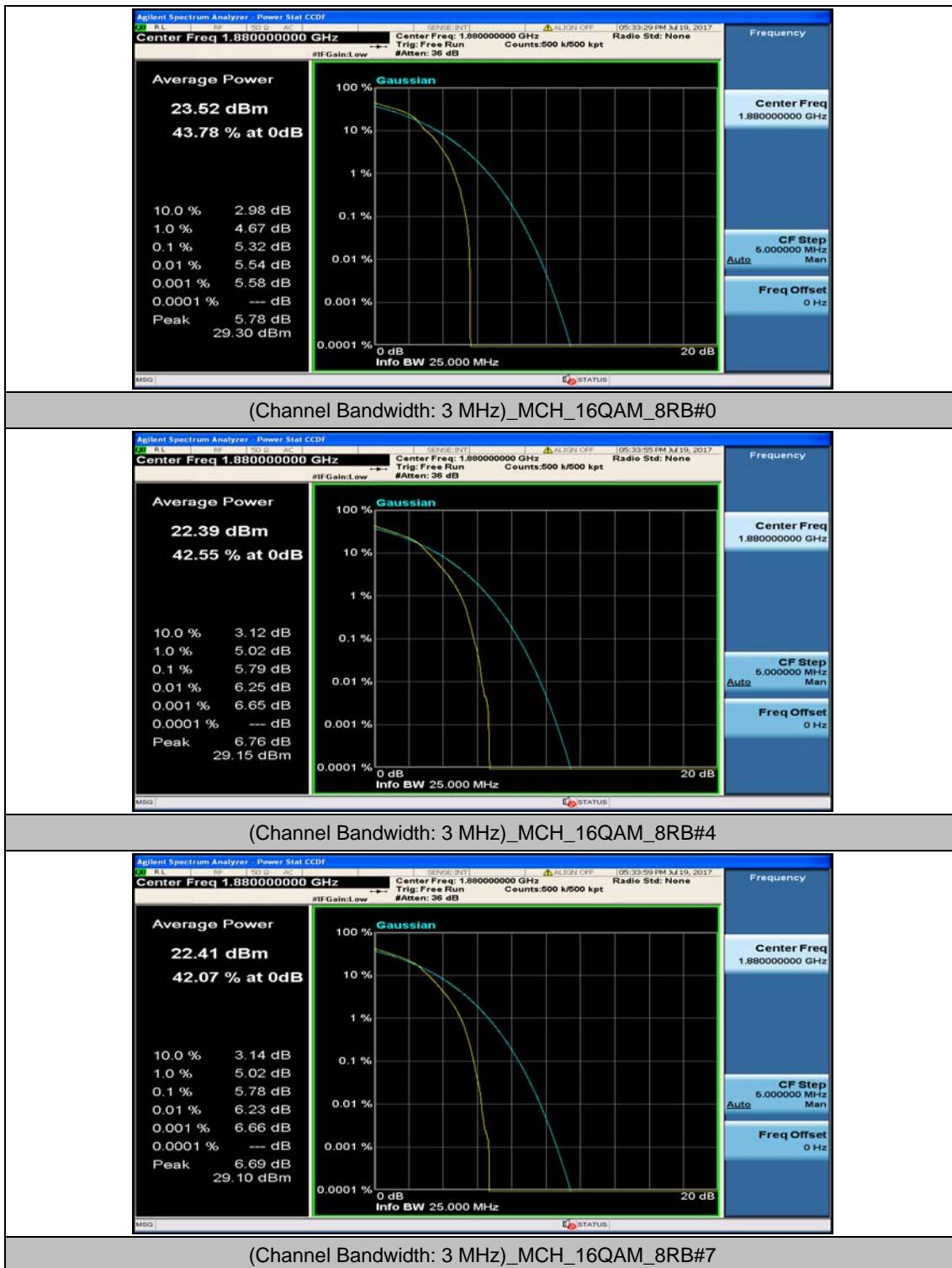


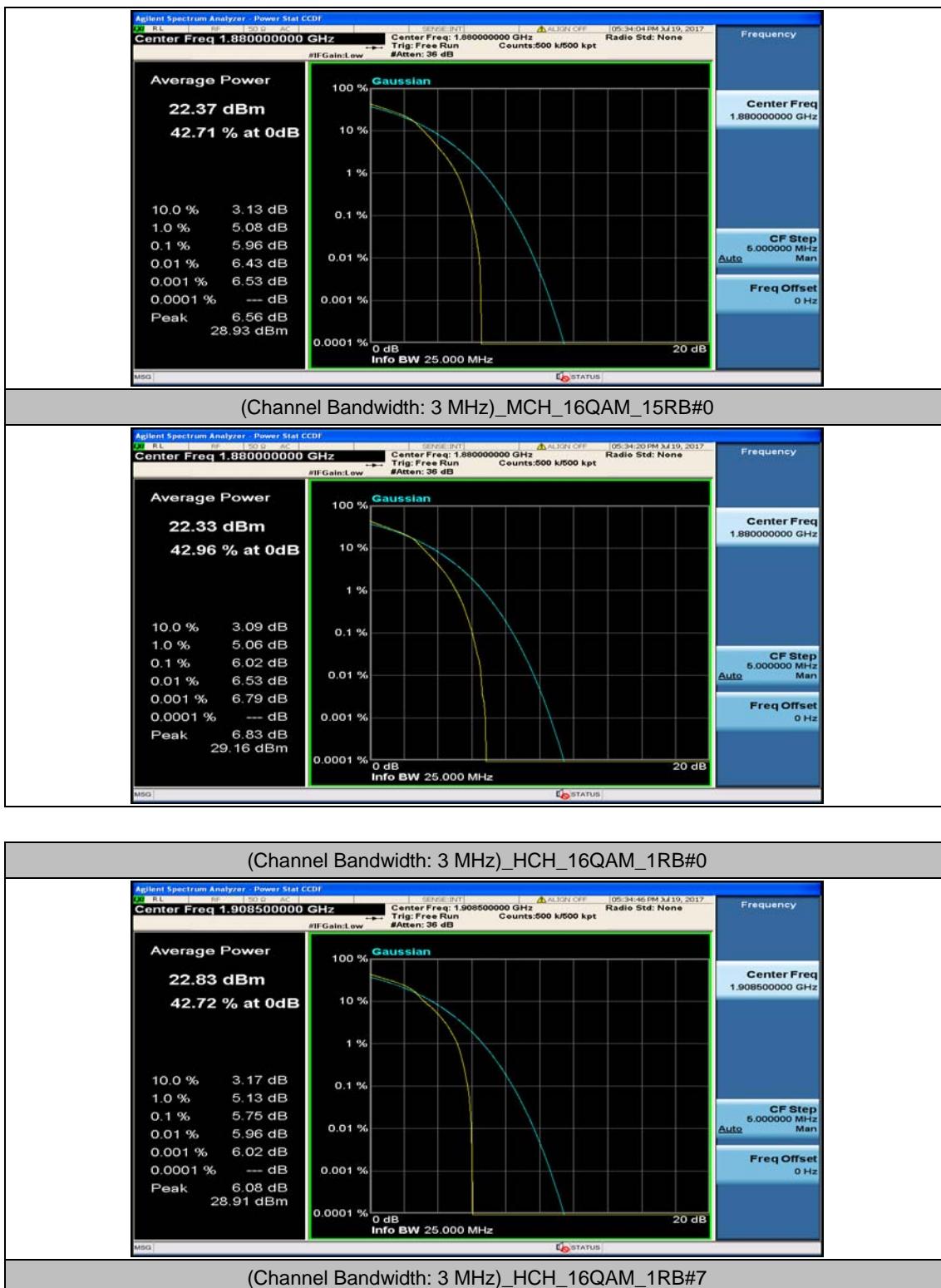


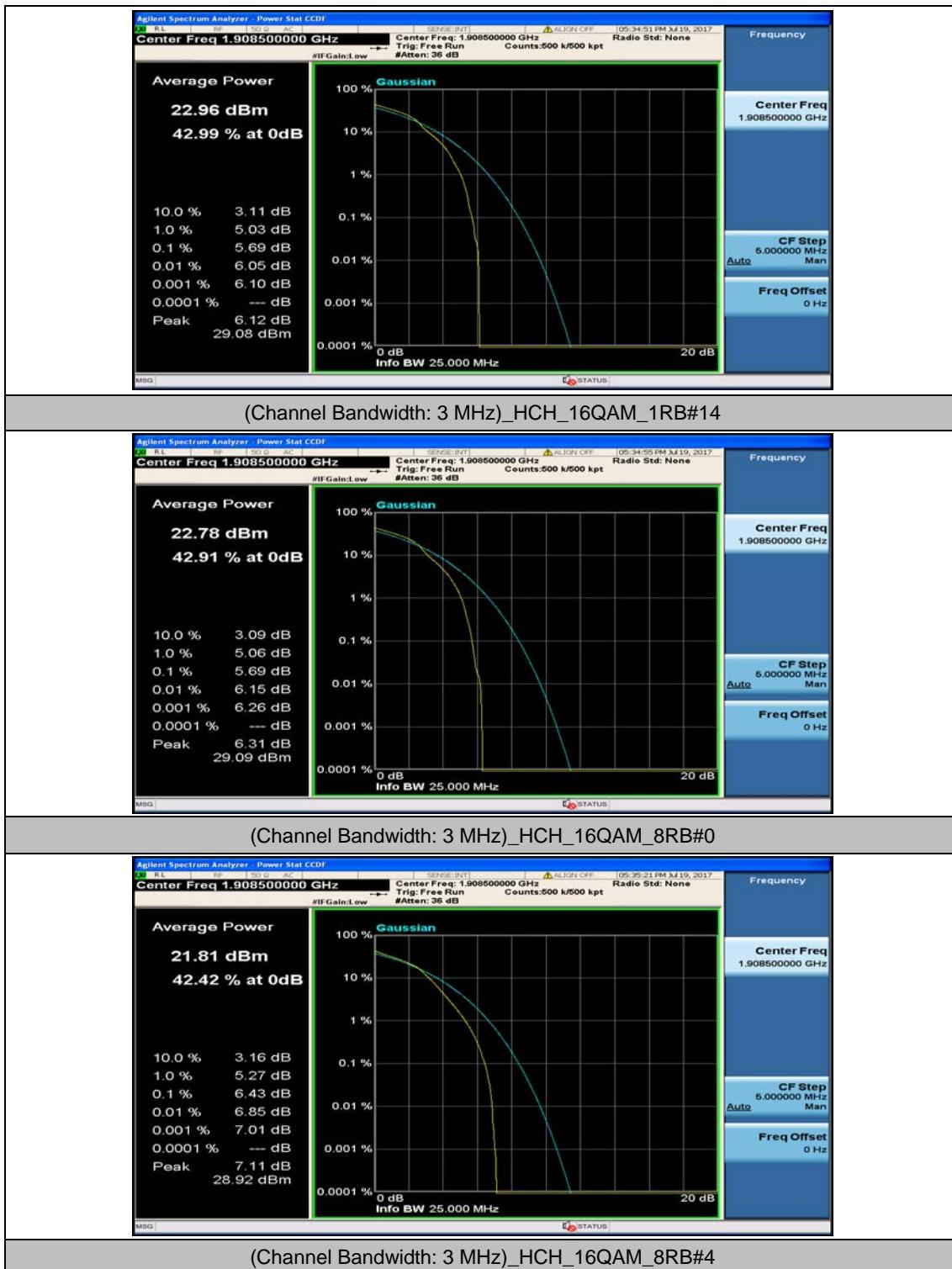


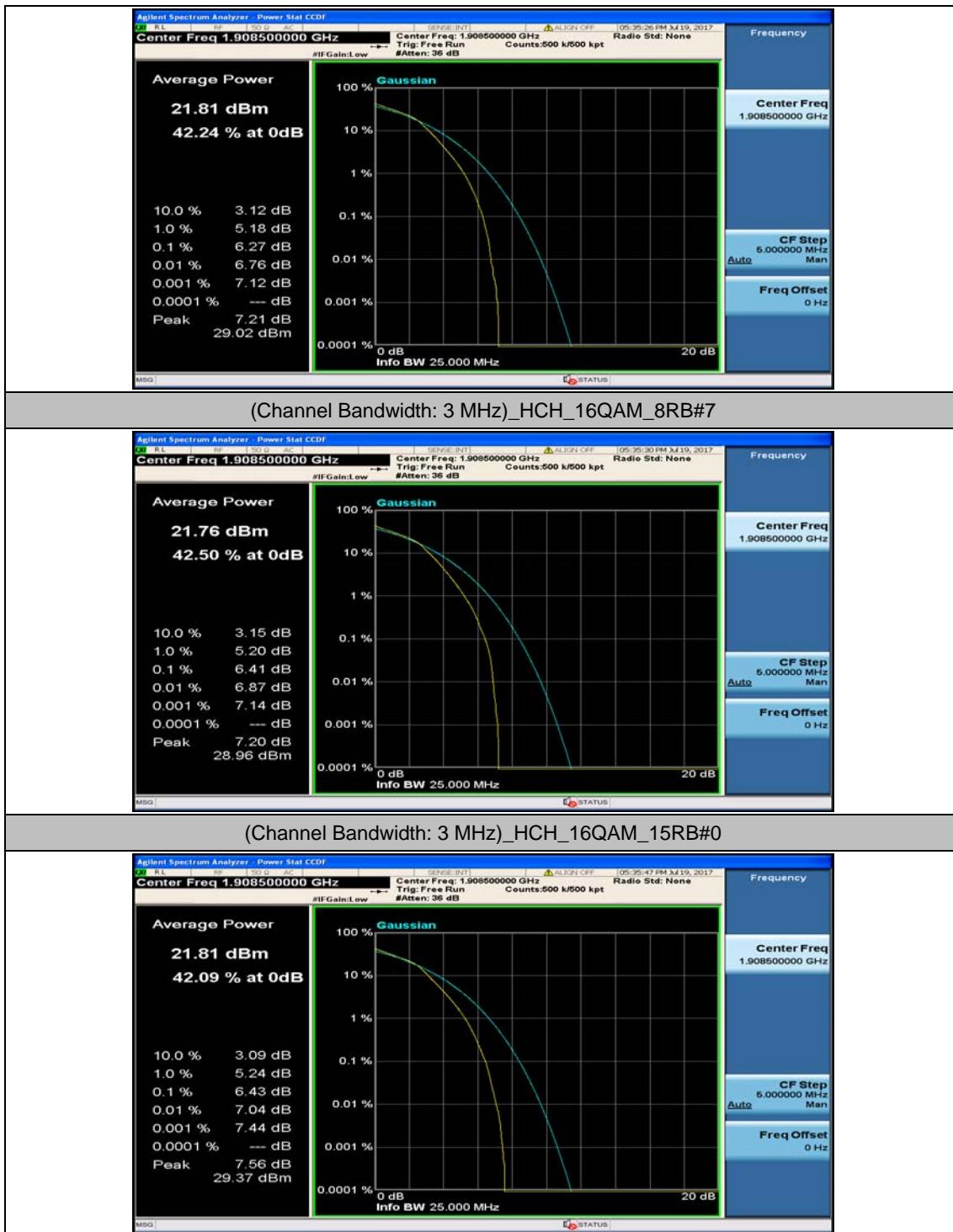


(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14



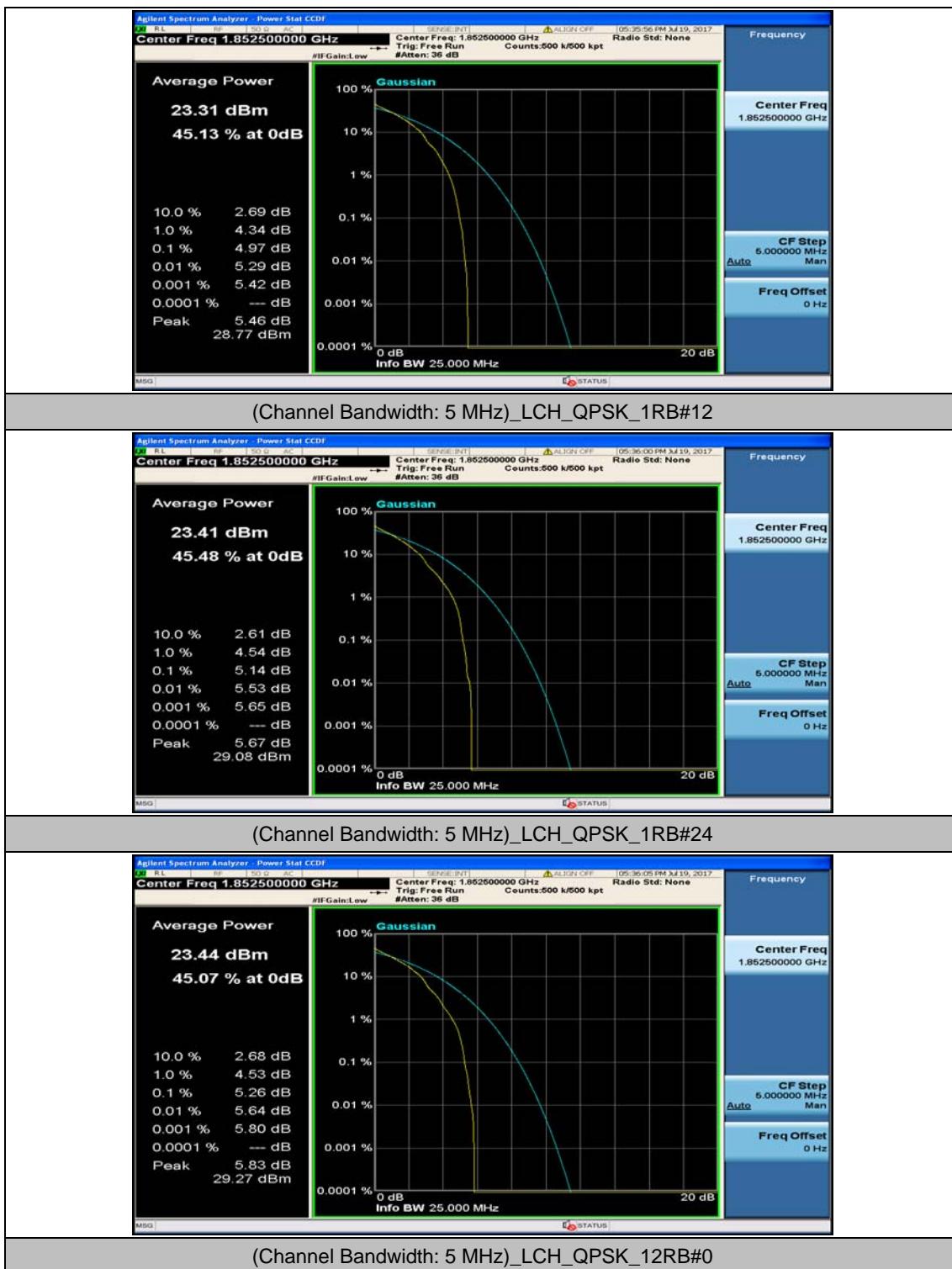


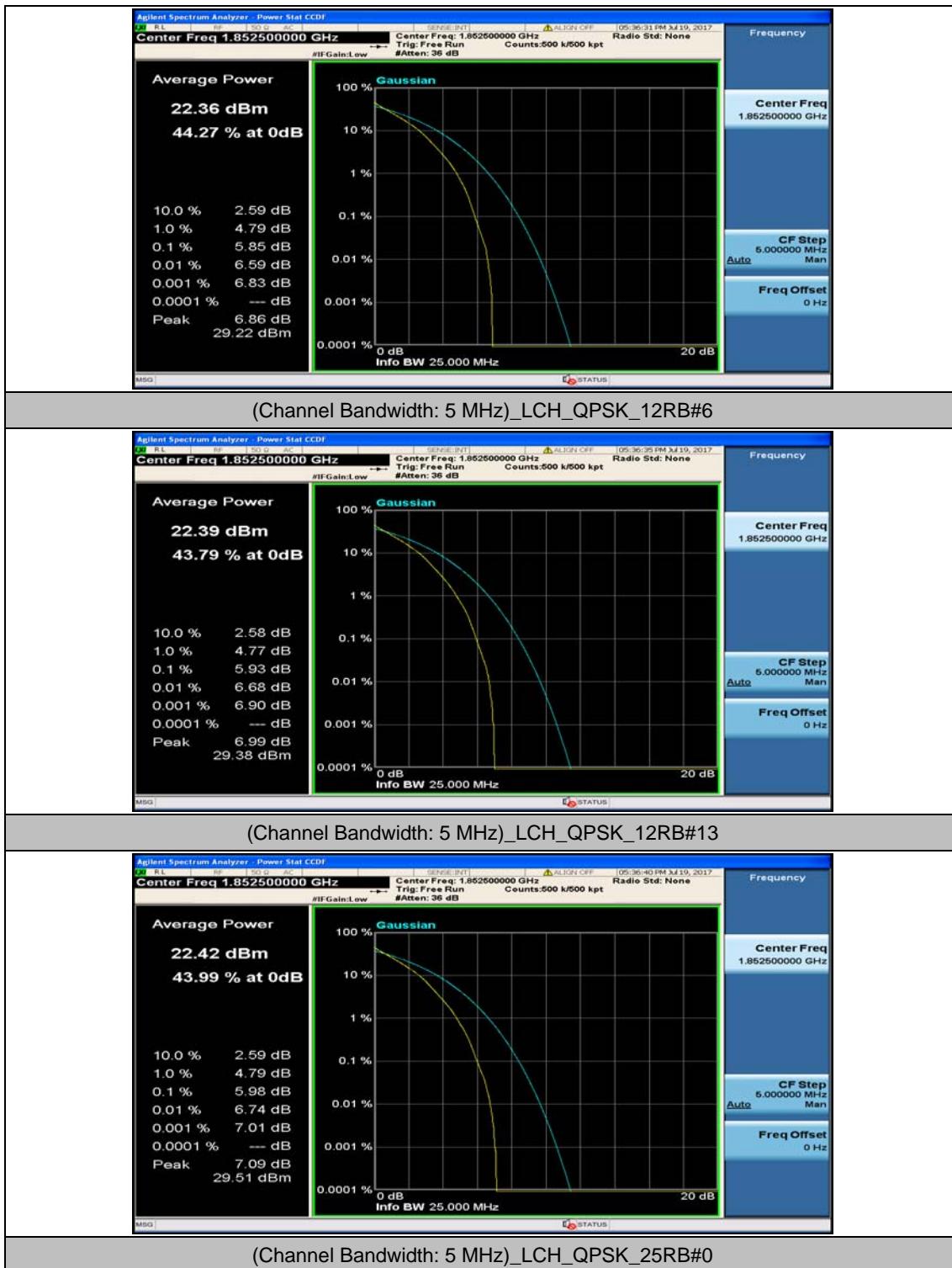


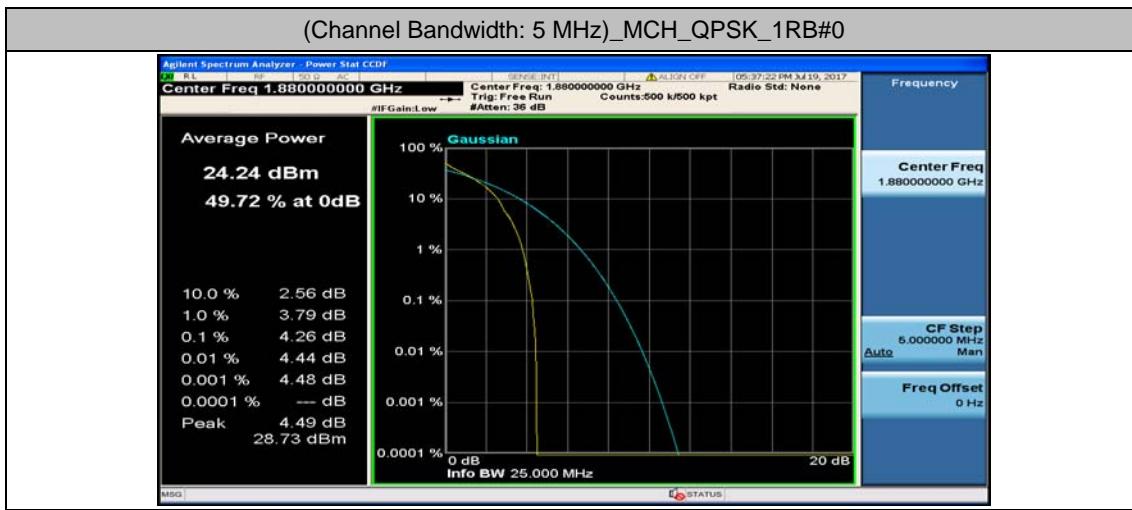


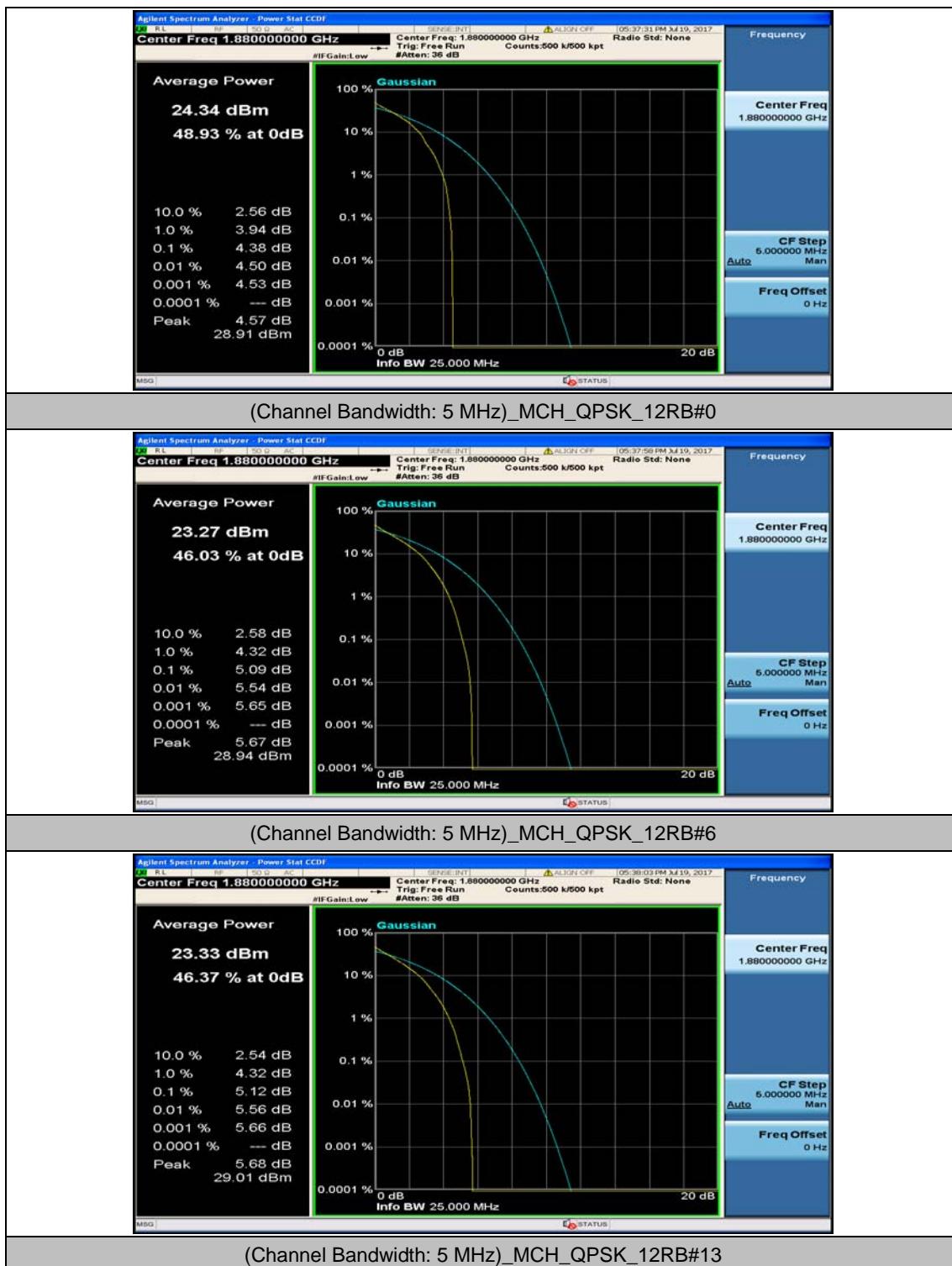
## Channel Bandwidth: 5 MHz

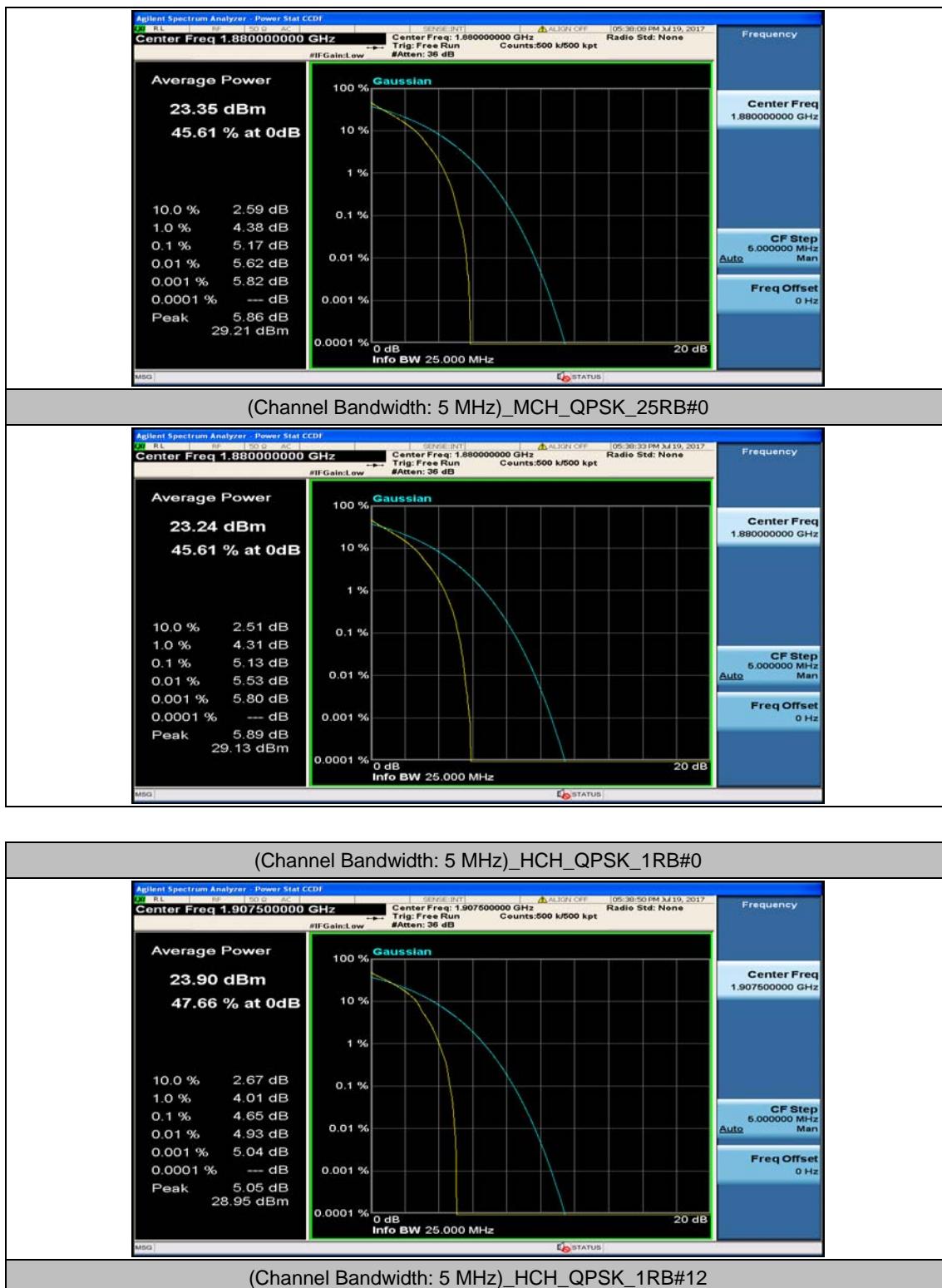
**(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0**

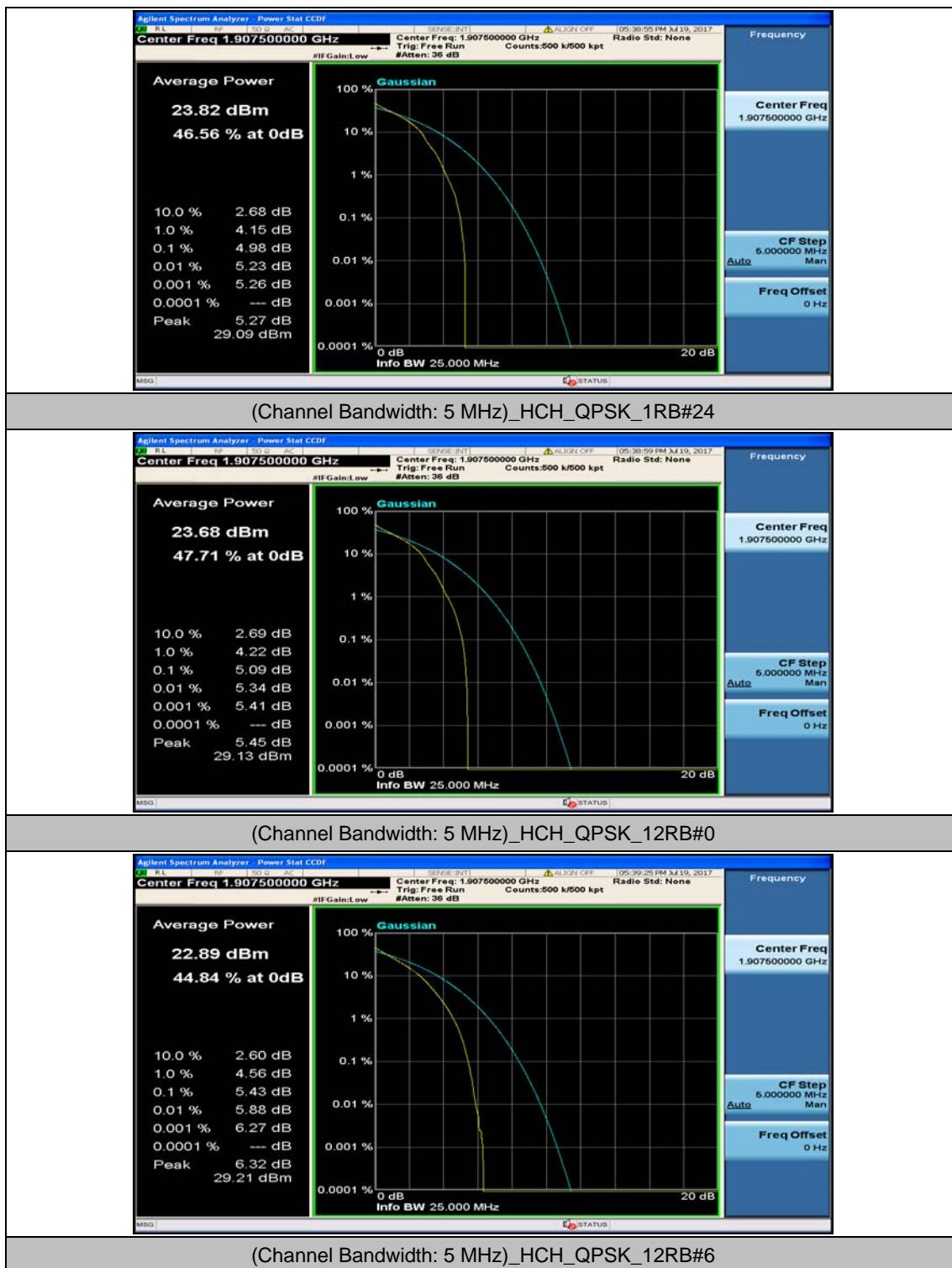


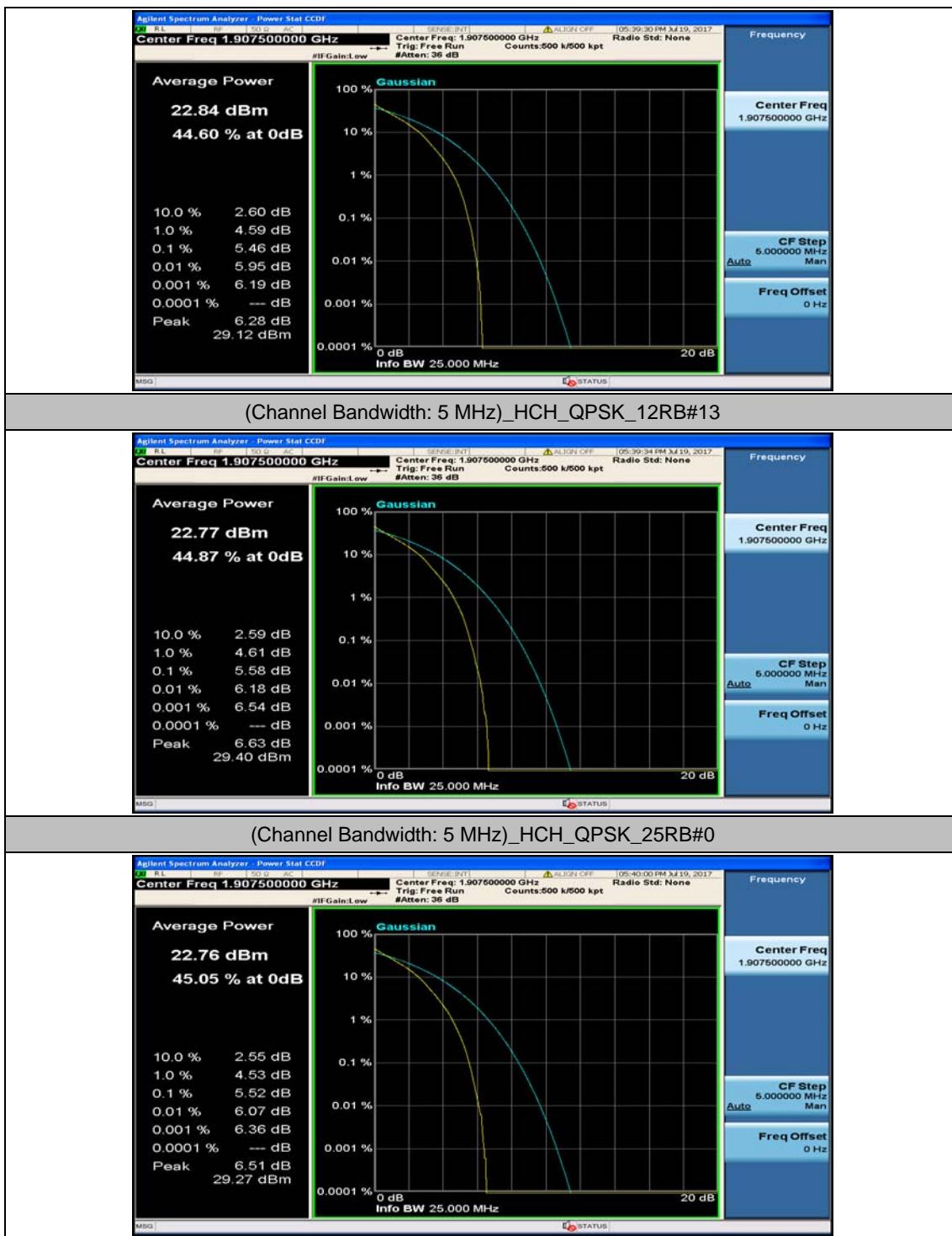


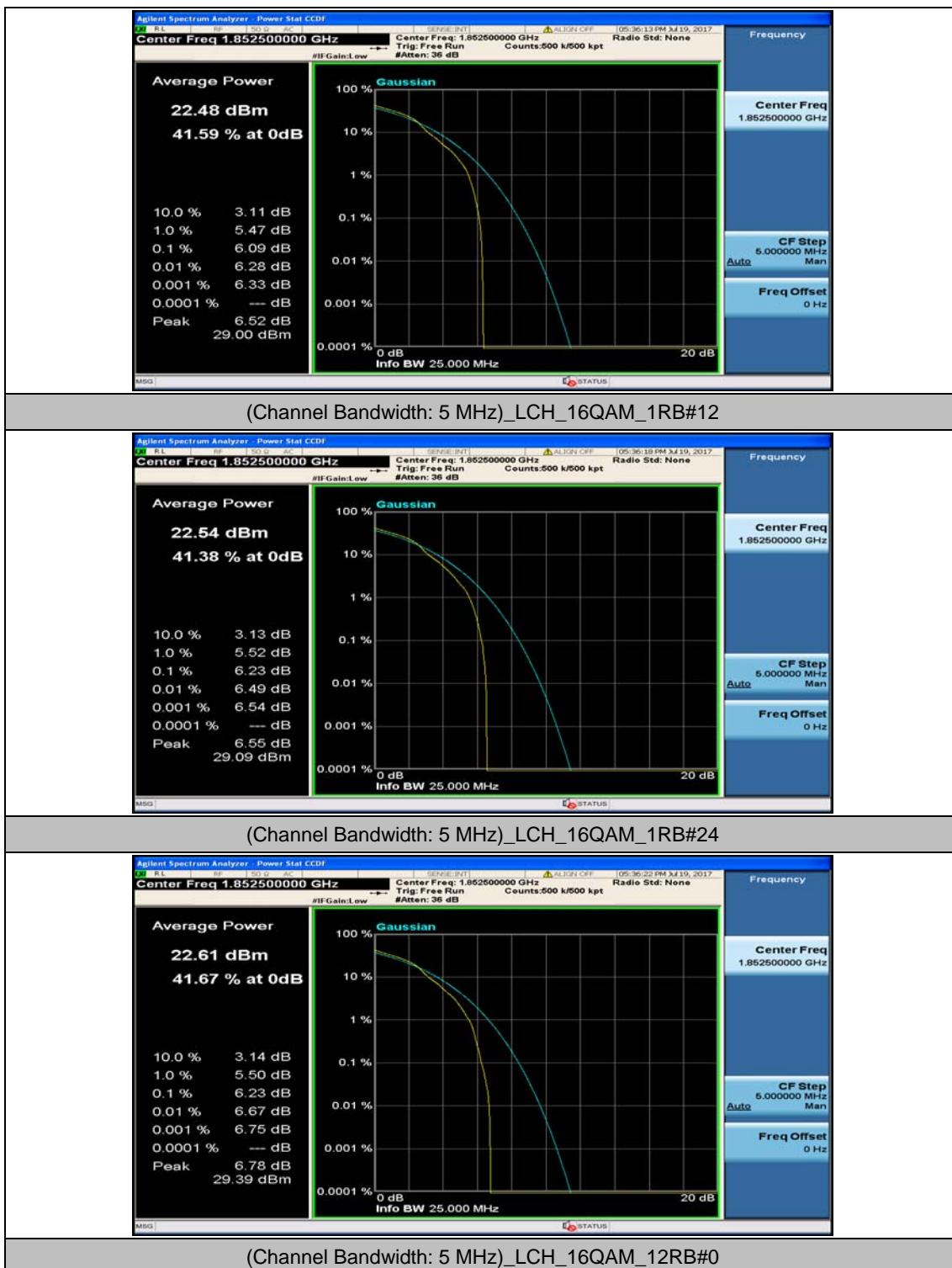


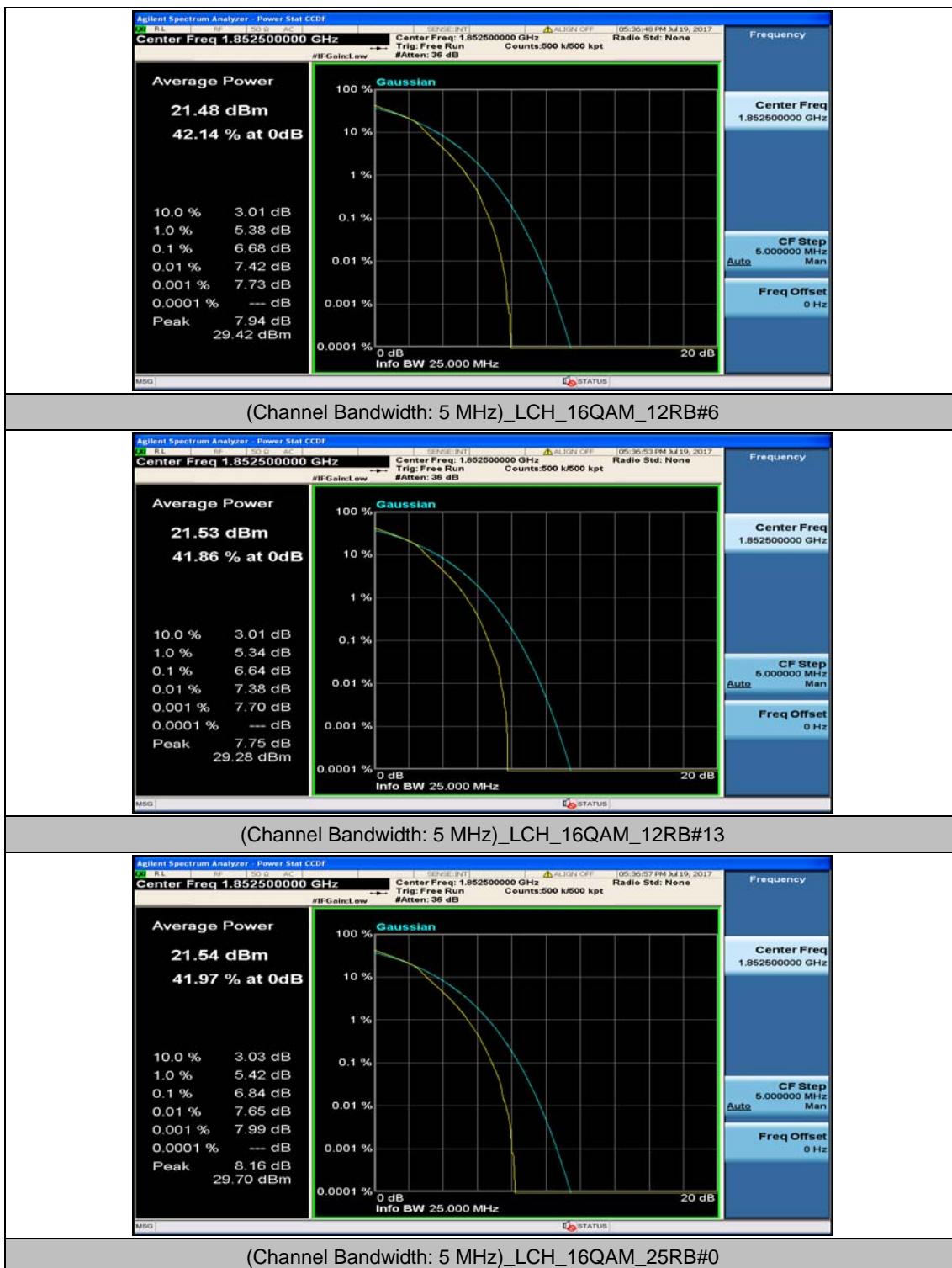


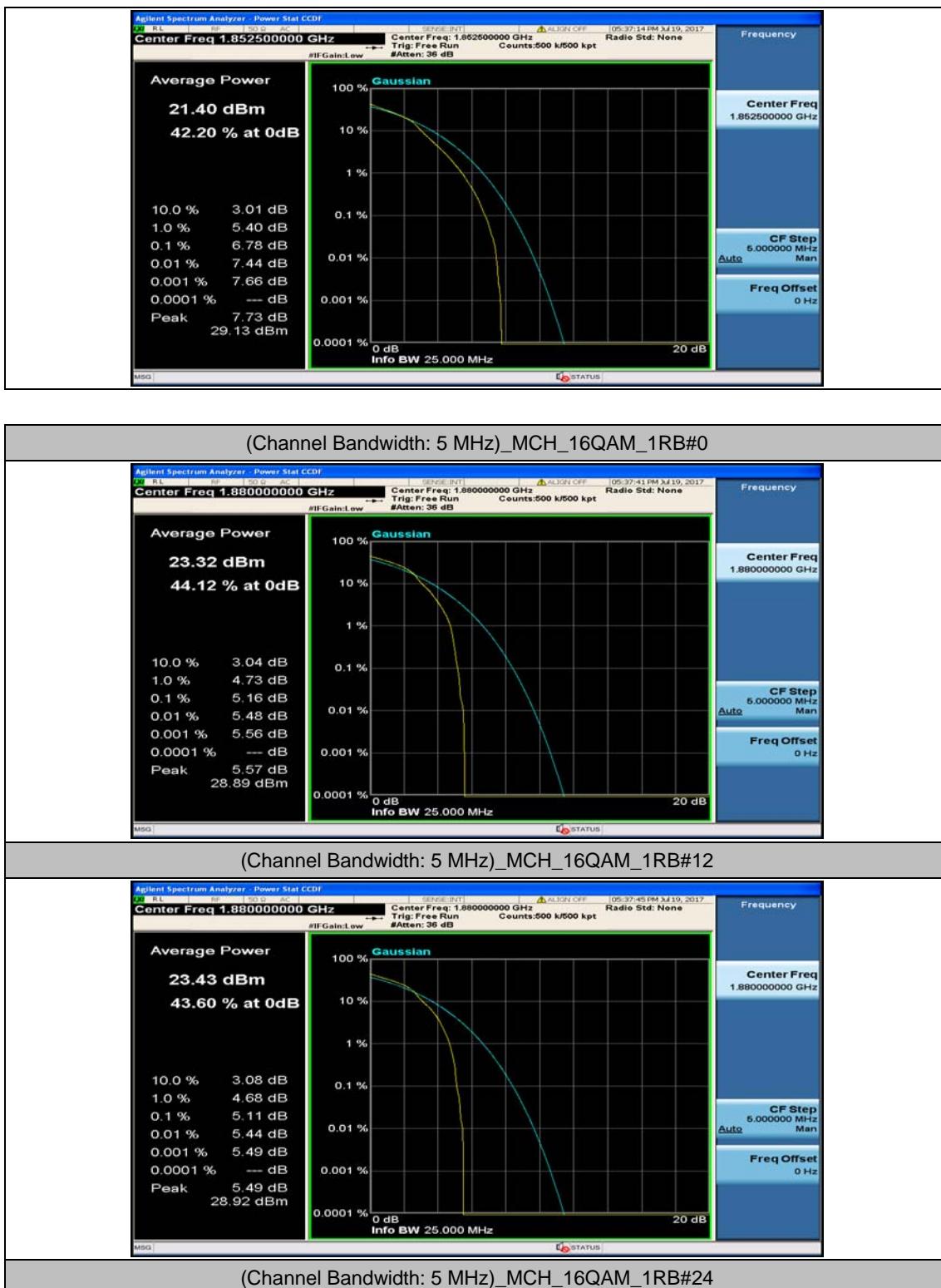


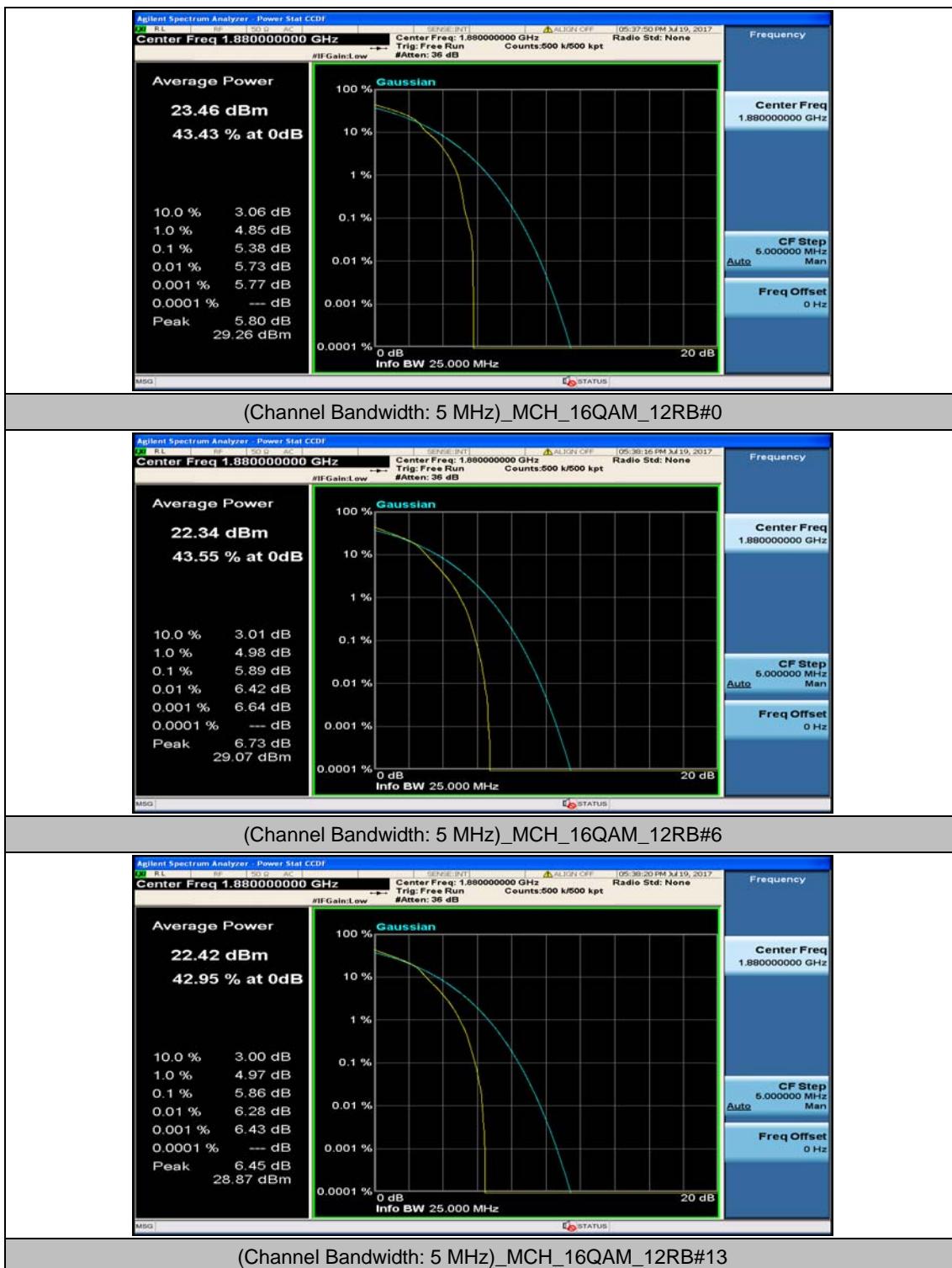


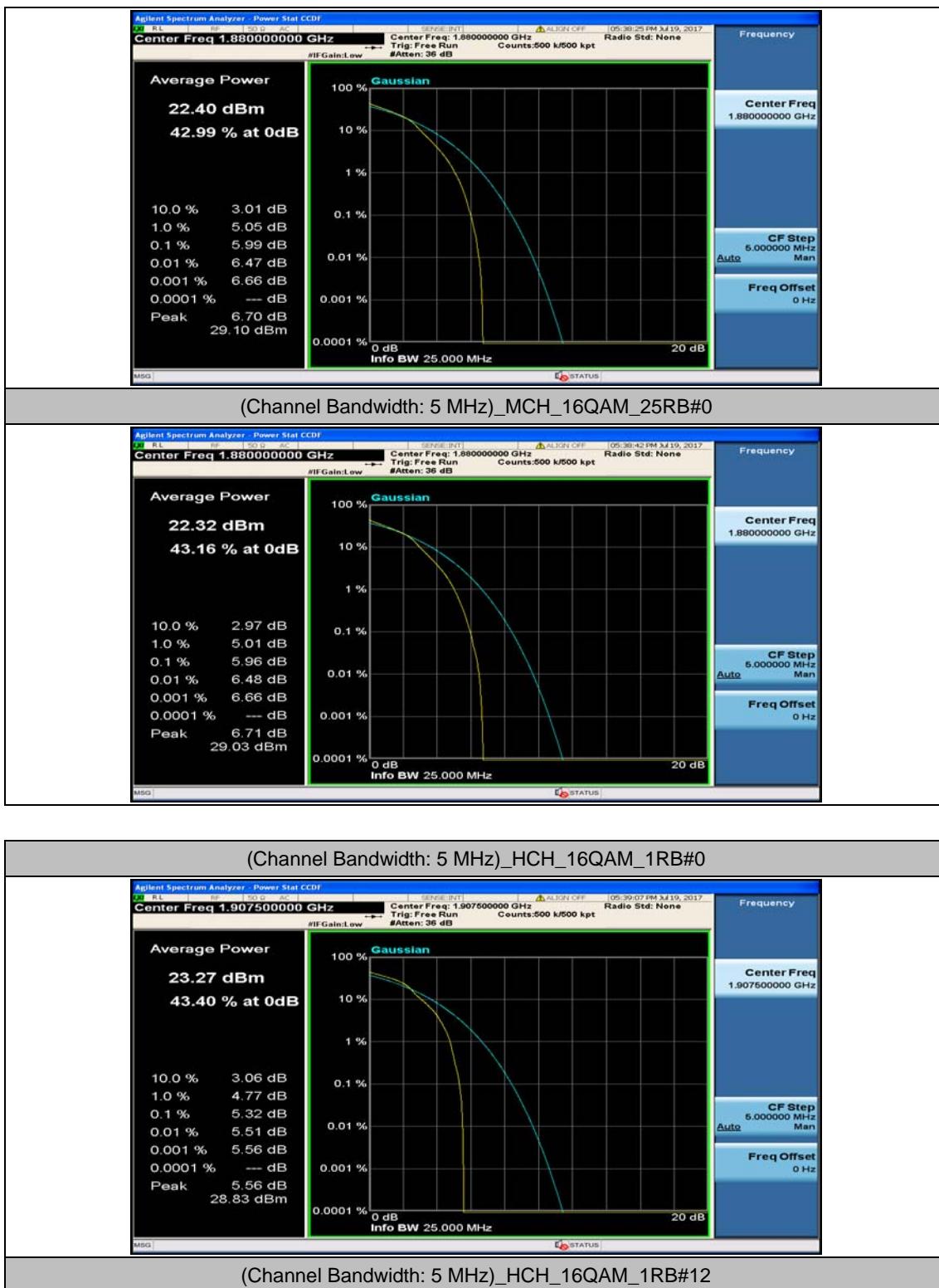


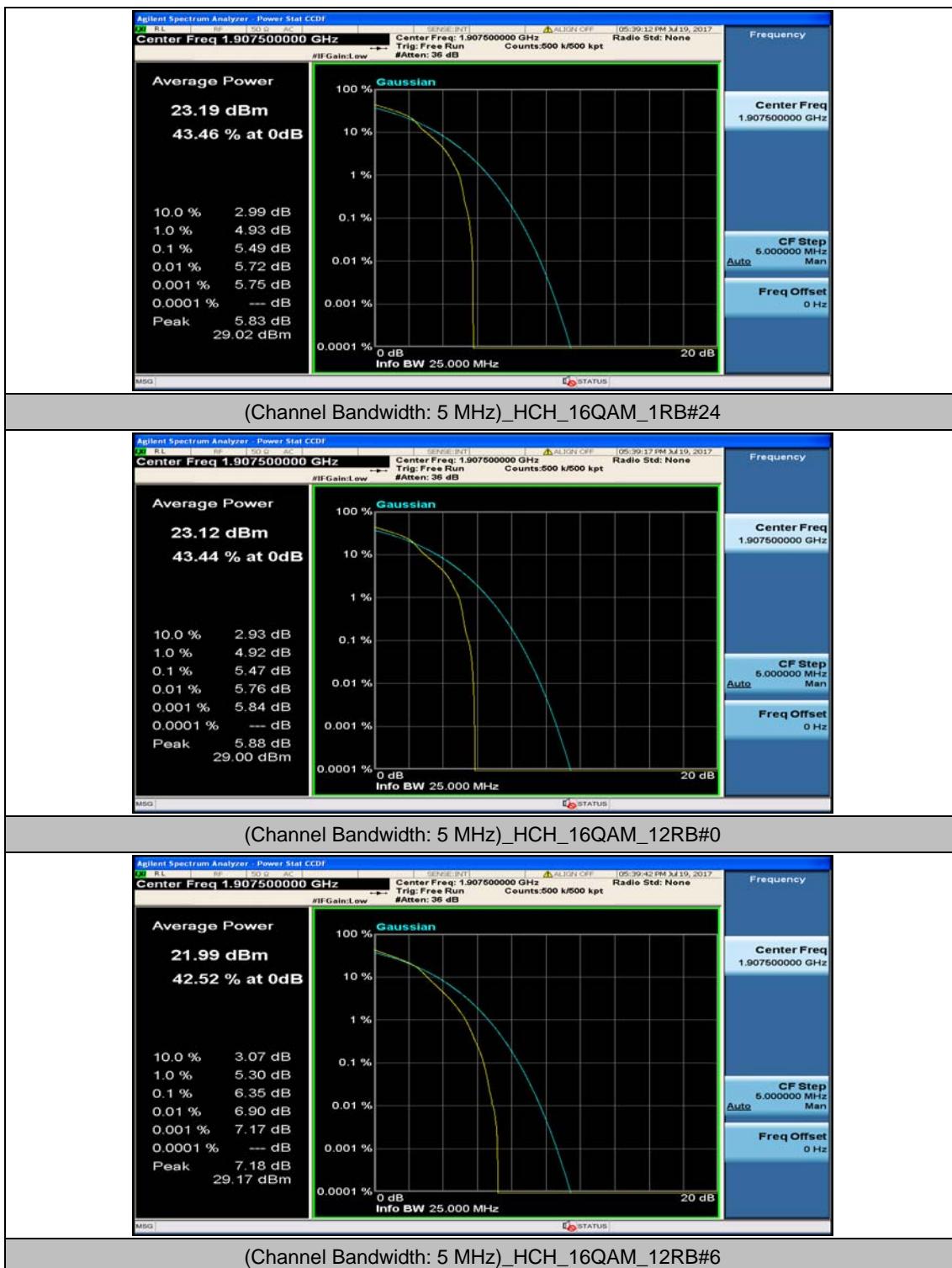


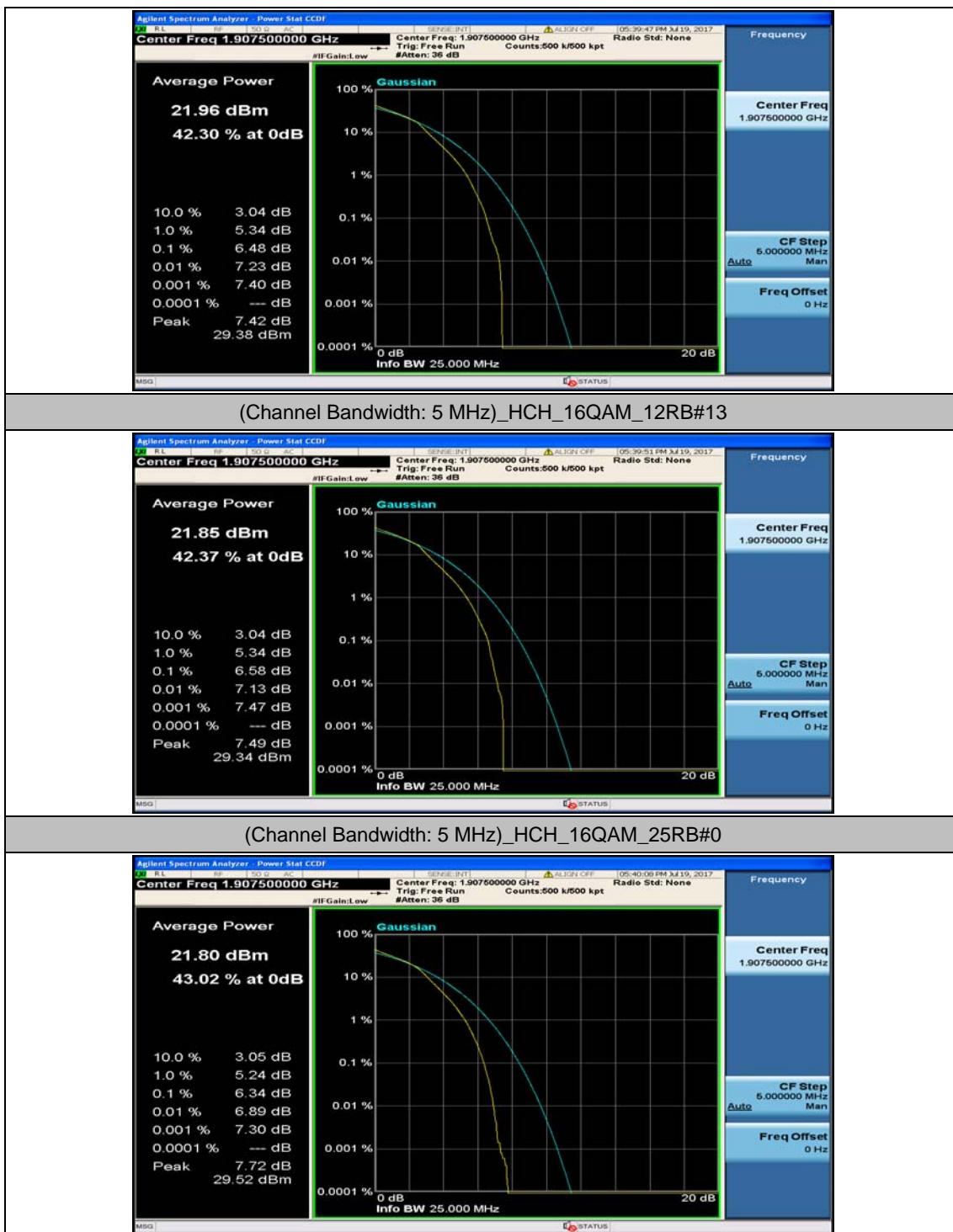












## Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0