

## 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	24.07	PASS
		1	3	24.02	PASS
		1	5	24.02	PASS
		3	0	24.06	PASS
		3	2	24.04	PASS
		3	3	24.05	PASS
		6	0	23.16	PASS
	MCH	1	0	23.24	PASS
		1	3	23.27	PASS
		1	5	23.18	PASS
		3	0	23.29	PASS
		3	2	23.22	PASS
		3	3	23.24	PASS
		6	0	22.23	PASS
16QAM	HCH	1	0	22.34	PASS
		1	3	22.43	PASS
		1	5	22.38	PASS
		3	0	22.33	PASS
		3	2	22.33	PASS
		3	3	22.33	PASS
		6	0	21.51	PASS
	LCH	1	0	23.35	PASS
		1	3	23.41	PASS
		1	5	23.38	PASS
		3	0	23.21	PASS
		3	2	23.16	PASS
		3	3	23.20	PASS
		6	0	22.19	PASS
	MCH	1	0	22.57	PASS
		1	3	22.63	PASS
		1	5	22.52	PASS
		3	0	22.24	PASS
		3	2	22.21	PASS

		3	3	22.23	PASS
		6	0	21.17	PASS
HCH	HCH	1	0	21.42	PASS
		1	3	21.57	PASS
		1	5	21.47	PASS
		3	0	21.27	PASS
		3	2	21.25	PASS
		3	3	21.29	PASS
		6	0	20.46	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.91	PASS
		1	7	23.93	PASS
		1	14	24.02	PASS
		8	0	23.08	PASS
		8	4	23.14	PASS
		8	7	23.19	PASS
		15	0	23.16	PASS
	MCH	1	0	23.20	PASS
		1	7	23.20	PASS
		1	14	23.00	PASS
		8	0	22.29	PASS
		8	4	22.23	PASS
		8	7	22.17	PASS
		15	0	22.19	PASS
	HCH	1	0	22.31	PASS
		1	7	22.41	PASS
		1	14	22.36	PASS
		8	0	21.43	PASS
		8	4	21.44	PASS
		8	7	21.45	PASS
		15	0	21.30	PASS
16QAM	LCH	1	0	23.21	PASS
		1	7	23.28	PASS
		1	14	23.36	PASS
		8	0	22.23	PASS
		8	4	22.32	PASS
		8	7	22.32	PASS
		15	0	22.21	PASS

	MCH	1	0	22.44	PASS
		1	7	22.46	PASS
		1	14	22.25	PASS
		8	0	21.33	PASS
		8	4	21.31	PASS
		8	7	21.23	PASS
		15	0	21.20	PASS
	HCH	1	0	21.53	PASS
		1	7	21.60	PASS
		1	14	21.52	PASS
		8	0	20.32	PASS
		8	4	20.29	PASS
		8	7	20.31	PASS
		15	0	20.24	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.02	PASS
		1	12	23.63	PASS
		1	24	24.08	PASS
		12	0	22.79	PASS
		12	6	22.71	PASS
		12	13	22.85	PASS
		25	0	22.76	PASS
	MCH	1	0	23.40	PASS
		1	12	23.28	PASS
		1	24	23.06	PASS
		12	0	22.35	PASS
		12	6	22.25	PASS
		12	13	22.18	PASS
		25	0	22.18	PASS
	HCH	1	0	22.45	PASS
		1	12	22.01	PASS
		1	24	22.47	PASS
		12	0	21.18	PASS
		12	6	21.12	PASS
		12	13	21.27	PASS
		25	0	21.20	PASS
16QAM	LCH	1	0	23.41	PASS
		1	12	23.05	PASS

		1	24	23.51	PASS
		12	0	22.01	PASS
		12	6	21.92	PASS
		12	13	22.07	PASS
		25	0	21.88	PASS
	MCH	1	0	22.73	PASS
		1	12	22.64	PASS
		1	24	22.43	PASS
		12	0	21.49	PASS
		12	6	21.39	PASS
		12	13	21.32	PASS
		25	0	21.24	PASS
	HCH	1	0	21.32	PASS
		1	12	21.06	PASS
		1	24	21.27	PASS
		12	0	20.33	PASS
		12	6	20.24	PASS
		12	13	20.31	PASS
		25	0	20.26	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.43	PASS
		1	24	23.67	PASS
		1	49	23.60	PASS
		25	0	22.76	PASS
		25	12	22.83	PASS
		25	25	22.88	PASS
		50	0	22.83	PASS
QPSK	MCH	1	0	23.51	PASS
		1	24	23.17	PASS
		1	49	22.87	PASS
		25	0	22.40	PASS
		25	12	22.24	PASS
		25	25	22.08	PASS
		50	0	22.24	PASS
QPSK	HCH	1	0	22.18	PASS
		1	24	21.88	PASS
		1	49	21.74	PASS
		25	0	21.09	PASS

		25	12	21.00	PASS
		25	25	20.99	PASS
		50	0	21.05	PASS
16QAM	LCH	1	0	22.77	PASS
		1	24	23.04	PASS
		1	49	22.95	PASS
		25	0	21.83	PASS
		25	12	21.91	PASS
		25	25	21.97	PASS
		50	0	21.91	PASS
	MCH	1	0	22.74	PASS
		1	24	22.43	PASS
		1	49	22.17	PASS
		25	0	21.41	PASS
		25	12	21.24	PASS
		25	25	21.09	PASS
		50	0	21.24	PASS
	HCH	1	0	21.64	PASS
		1	24	21.35	PASS
		1	49	21.19	PASS
		25	0	20.20	PASS
		25	12	20.11	PASS
		25	25	20.12	PASS
		50	0	20.18	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.70	PASS
		1	37	23.79	PASS
		1	74	23.83	PASS
		37	0	22.89	PASS
		37	18	22.96	PASS
		37	38	23.06	PASS
		75	0	23.00	PASS
	MCH	1	0	23.74	PASS
		1	37	23.28	PASS
		1	74	22.75	PASS
		37	0	22.67	PASS
		37	18	22.40	PASS
		37	38	22.10	PASS

		75	0	22.41	PASS
HCH	LCH	1	0	22.68	PASS
		1	37	22.06	PASS
		1	74	21.97	PASS
		37	0	21.63	PASS
		37	18	21.05	PASS
		37	38	20.90	PASS
		75	0	21.23	PASS
16QAM	MCH	1	0	23.01	PASS
		1	37	23.14	PASS
		1	74	23.07	PASS
		37	0	21.98	PASS
		37	18	22.07	PASS
		37	38	22.14	PASS
		75	0	22.07	PASS
	HCH	1	0	22.95	PASS
		1	37	22.56	PASS
		1	74	22.08	PASS
		37	0	21.57	PASS
		37	18	21.36	PASS
		37	38	21.08	PASS
		75	0	21.36	PASS
	LCH	1	0	22.02	PASS
		1	37	21.40	PASS
		1	74	21.29	PASS
		37	0	20.68	PASS
		37	18	20.17	PASS
		37	38	20.02	PASS
		75	0	20.33	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.85	PASS
		1	49	24.05	PASS
		1	99	23.69	PASS
		50	0	23.99	PASS
		50	25	24.02	PASS
		50	50	23.83	PASS
		100	0	23.00	PASS
	MCH	1	0	24.00	PASS

		1	49	23.34	PASS
		1	99	22.78	PASS
		50	0	22.60	PASS
		50	25	22.31	PASS
		50	50	21.96	PASS
		100	0	22.31	PASS
	HCH	1	0	23.08	PASS
		1	49	22.38	PASS
		1	99	21.98	PASS
		50	0	21.77	PASS
		50	25	21.39	PASS
		50	50	20.92	PASS
		100	0	21.62	PASS
16QAM	LCH	1	0	23.09	PASS
		1	49	23.29	PASS
		1	99	22.83	PASS
		50	0	22.05	PASS
		50	25	22.07	PASS
		50	50	21.84	PASS
		100	0	21.98	PASS
	MCH	1	0	23.14	PASS
		1	49	22.49	PASS
		1	99	21.99	PASS
		50	0	21.58	PASS
		50	25	21.28	PASS
		50	50	20.96	PASS
		100	0	21.29	PASS
	HCH	1	0	22.44	PASS
		1	49	21.80	PASS
		1	99	21.39	PASS
		50	0	20.84	PASS
		50	25	20.55	PASS
		50	50	20.06	PASS
		100	0	20.63	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	4.24	<13	PASS
		1	3	4.19	<13	PASS
		1	5	4.21	<13	PASS
		3	0	4.06	<13	PASS
		3	2	4.05	<13	PASS
		3	3	4.01	<13	PASS
		6	0	4.77	<13	PASS
	MCH	1	0	4.19	<13	PASS
		1	3	4.22	<13	PASS
		1	5	4.33	<13	PASS
		3	0	4.13	<13	PASS
		3	2	4.12	<13	PASS
		3	3	4.15	<13	PASS
		6	0	4.76	<13	PASS
16QAM	LCH	1	0	3.32	<13	PASS
		1	3	3.19	<13	PASS
		1	5	3.18	<13	PASS
		3	0	3.04	<13	PASS
		3	2	3	<13	PASS
		3	3	2.99	<13	PASS
		6	0	3.68	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	3	5.15	<13	PASS
		1	5	5.04	<13	PASS
		3	0	5.02	<13	PASS
		3	2	5.05	<13	PASS
		3	3	4.97	<13	PASS
		6	0	5.59	<13	PASS

		3	2	5.07	<13	PASS
		3	3	5.1	<13	PASS
		6	0	5.67	<13	PASS
HCH		1	0	4.18	<13	PASS
		1	3	4.14	<13	PASS
		1	5	4.17	<13	PASS
		3	0	3.99	<13	PASS
		3	2	3.9	<13	PASS
		3	3	3.93	<13	PASS
		6	0	4.67	<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	4.25	<13	PASS
		1	7	4.14	<13	PASS
		1	14	4.08	<13	PASS
		8	0	4.73	<13	PASS
		8	4	4.63	<13	PASS
		8	7	4.59	<13	PASS
		15	0	4.66	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	7	4.32	<13	PASS
		1	14	4.5	<13	PASS
		8	0	4.75	<13	PASS
		8	4	4.76	<13	PASS
		8	7	4.87	<13	PASS
		15	0	4.83	<13	PASS
	HCH	1	0	3.45	<13	PASS
		1	7	3.2	<13	PASS
		1	14	3.13	<13	PASS
		8	0	3.92	<13	PASS
		8	4	3.81	<13	PASS
		8	7	3.78	<13	PASS
		15	0	3.98	<13	PASS
16QAM	LCH	1	0	5.09	<13	PASS
		1	7	5.02	<13	PASS
		1	14	4.95	<13	PASS
		8	0	5.41	<13	PASS
		8	4	5.38	<13	PASS

		8	7	5.32	<13	PASS
		15	0	5.57	<13	PASS
MCH		1	0	5.27	<13	PASS
		1	7	5.17	<13	PASS
		1	14	5.43	<13	PASS
		8	0	5.52	<13	PASS
		8	4	5.52	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.8	<13	PASS
HCH		1	0	4.37	<13	PASS
		1	7	4.34	<13	PASS
		1	14	4.21	<13	PASS
		8	0	4.83	<13	PASS
		8	4	4.74	<13	PASS
		8	7	4.73	<13	PASS
		15	0	4.86	<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	PASS
		1	12	4.18	<13	PASS
		1	24	3.9	<13	PASS
		12	0	4.82	<13	PASS
		12	6	4.79	<13	PASS
		12	13	4.71	<13	PASS
		25	0	4.83	<13	PASS
	MCH	1	0	4.19	<13	PASS
		1	12	4.23	<13	PASS
		1	24	4.51	<13	PASS
		12	0	4.79	<13	PASS
		12	6	4.82	<13	PASS
		12	13	4.9	<13	PASS
		25	0	4.89	<13	PASS
	HCH	1	0	3.88	<13	PASS
		1	12	3.61	<13	PASS
		1	24	3.14	<13	PASS
		12	0	4.31	<13	PASS
		12	6	4.1	<13	PASS
		12	13	3.93	<13	PASS

		25	0	4.12	<13	PASS
16QAM	LCH	1	0	5.04	<13	PASS
		1	12	5.07	<13	PASS
		1	24	4.85	<13	PASS
		12	0	5.62	<13	PASS
		12	6	5.56	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.64	<13	PASS
	MCH	1	0	5	<13	PASS
		1	12	5.17	<13	PASS
		1	24	5.39	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.6	<13	PASS
		12	13	5.65	<13	PASS
		25	0	5.67	<13	PASS
	HCH	1	0	4.64	<13	PASS
		1	12	4.36	<13	PASS
		1	24	3.99	<13	PASS
		12	0	5.27	<13	PASS
		12	6	5.07	<13	PASS
		12	13	4.86	<13	PASS
		25	0	5.06	<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	4.45	<13	PASS
		1	24	4.14	<13	PASS
		1	49	4.27	<13	PASS
		25	0	4.75	<13	PASS
		25	12	4.65	<13	PASS
		25	25	4.61	<13	PASS
		50	0	4.69	<13	PASS
	MCH	1	0	4.17	<13	PASS
		1	24	4.39	<13	PASS
		1	49	4.84	<13	PASS
		25	0	4.7	<13	PASS
		25	12	4.82	<13	PASS
		25	25	5.04	<13	PASS
		50	0	4.81	<13	PASS

		1	0	4.66	<13	PASS
		1	24	3.97	<13	PASS
		1	49	3.42	<13	PASS
	HCH	25	0	5.06	<13	PASS
		25	12	4.7	<13	PASS
		25	25	4.23	<13	PASS
		50	0	4.68	<13	PASS
16QAM	LCH	1	0	5.17	<13	PASS
		1	24	5.16	<13	PASS
		1	49	5.22	<13	PASS
		25	0	5.52	<13	PASS
		25	12	5.43	<13	PASS
		25	25	5.41	<13	PASS
		50	0	5.44	<13	PASS
	MCH	1	0	5.11	<13	PASS
		1	24	5.32	<13	PASS
		1	49	5.71	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.59	<13	PASS
	HCH	1	0	5.6	<13	PASS
		1	24	4.91	<13	PASS
		1	49	4.44	<13	PASS
		25	0	5.91	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.11	<13	PASS
		50	0	5.46	<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	4.41	<13	PASS
		1	37	4.15	<13	PASS
		1	74	4.15	<13	PASS
		37	0	4.66	<13	PASS
		37	18	4.58	<13	PASS
		37	38	4.54	<13	PASS
		75	0	4.98	<13	PASS
	MCH	1	0	4.06	<13	PASS

		1	37	4.39	<13	PASS
		1	74	4.86	<13	PASS
		37	0	4.58	<13	PASS
		37	18	4.71	<13	PASS
		37	38	5.06	<13	PASS
		75	0	5.19	<13	PASS
		1	0	5	<13	PASS
		1	37	4.66	<13	PASS
		1	74	3.42	<13	PASS
		37	0	5.28	<13	PASS
		37	18	5.1	<13	PASS
		37	38	4.55	<13	PASS
		75	0	5.28	<13	PASS
16QAM	LCH	1	0	5.24	<13	PASS
		1	37	5.01	<13	PASS
		1	74	5.1	<13	PASS
		37	0	5.46	<13	PASS
		37	18	5.4	<13	PASS
		37	38	5.39	<13	PASS
		75	0	5.64	<13	PASS
	MCH	1	0	5.06	<13	PASS
		1	37	5.2	<13	PASS
		1	74	5.89	<13	PASS
		37	0	5.43	<13	PASS
		37	18	5.54	<13	PASS
		37	38	5.87	<13	PASS
		75	0	5.82	<13	PASS
	HCH	1	0	6	<13	PASS
		1	37	5.65	<13	PASS
		1	74	4.28	<13	PASS
		37	0	6.19	<13	PASS
		37	18	6	<13	PASS
		37	38	5.45	<13	PASS
		75	0	5.92	<13	PASS

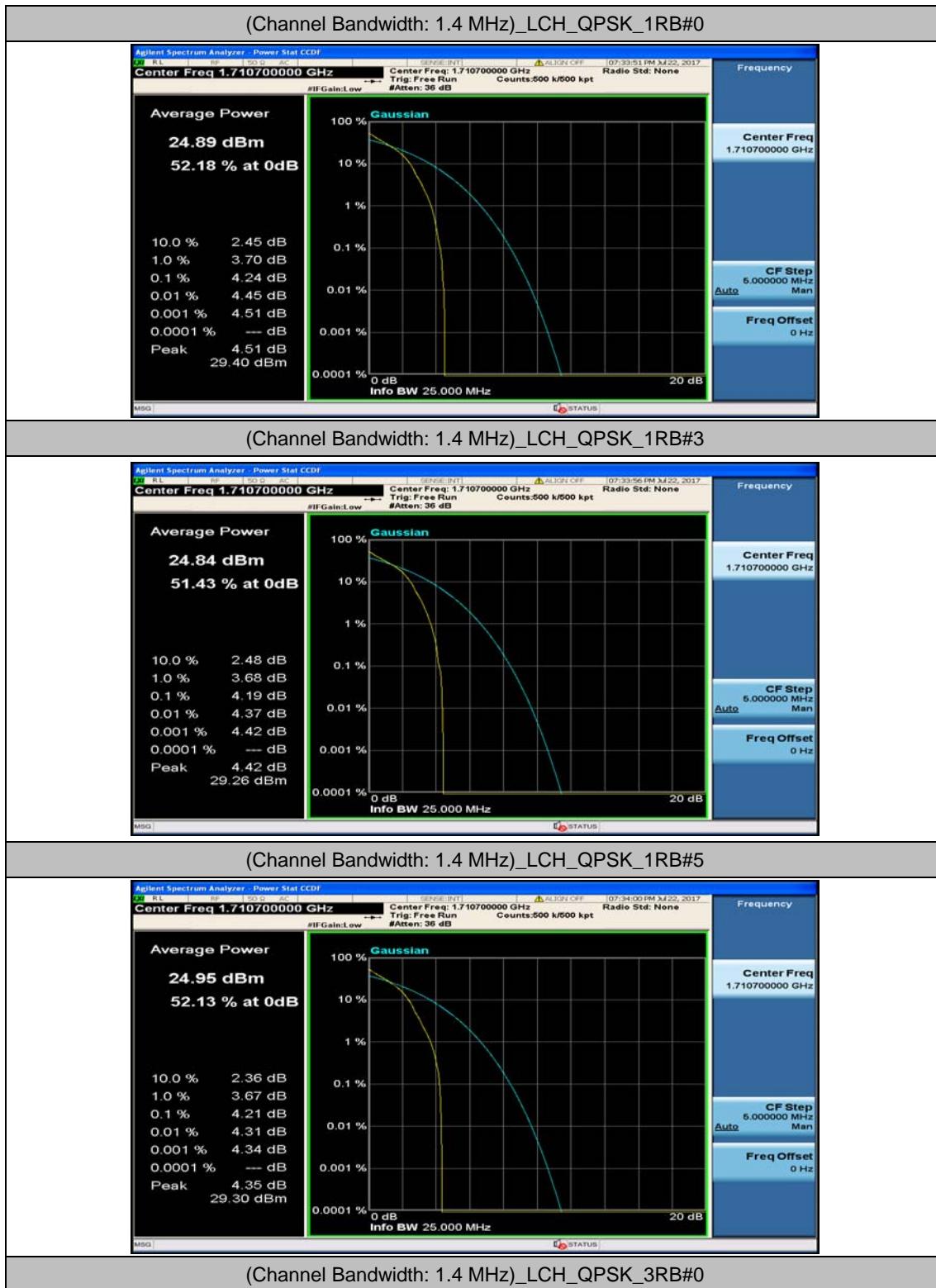
### Channel Bandwidth: 20 MHz

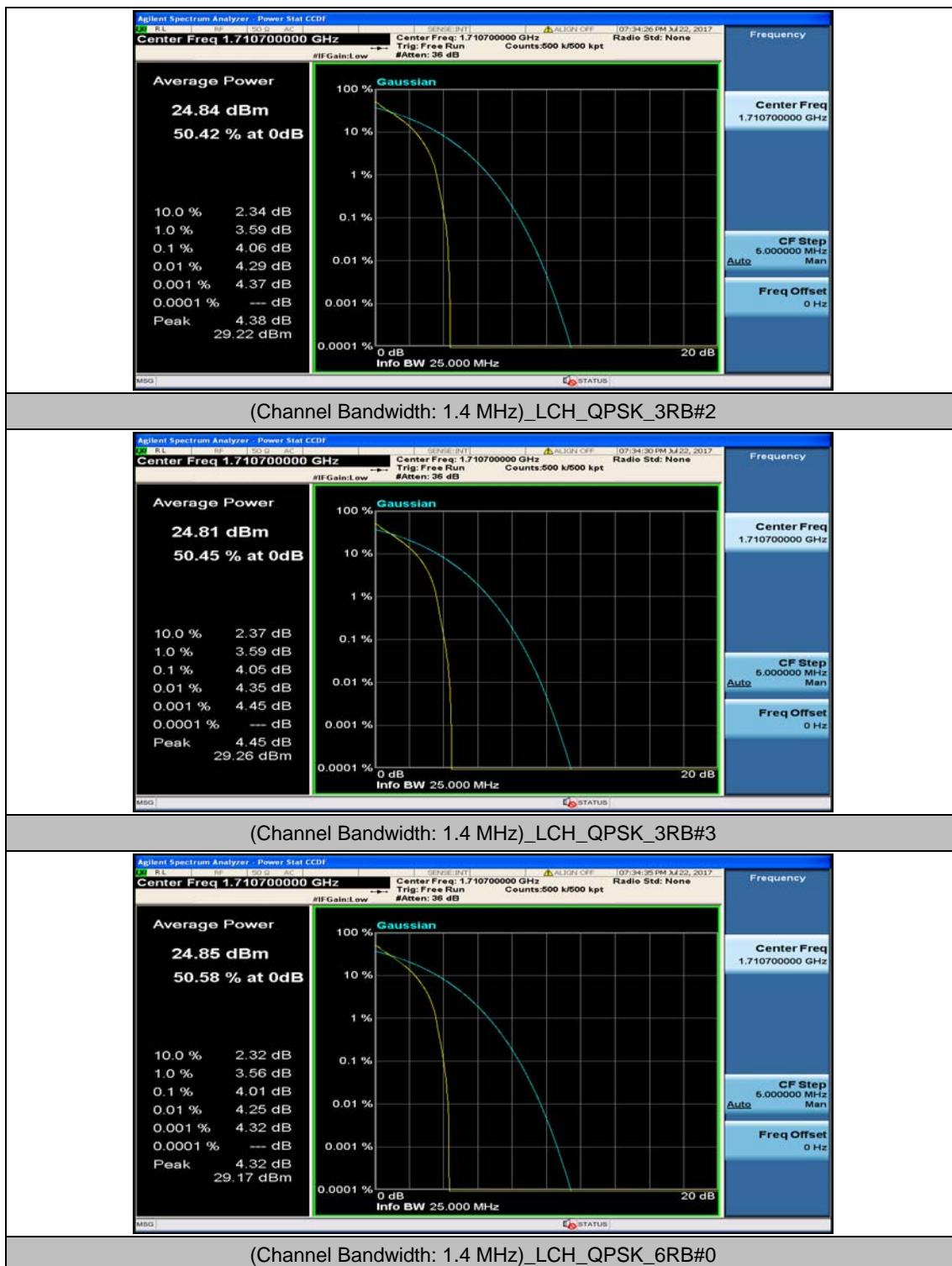
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.18	<13	PASS
		1	49	4.01	<13	PASS

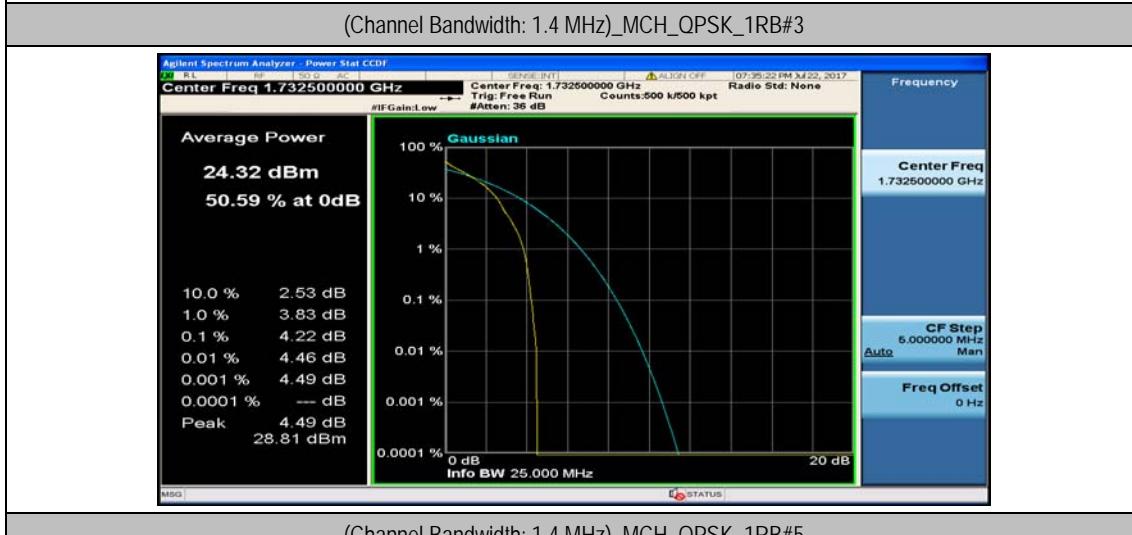
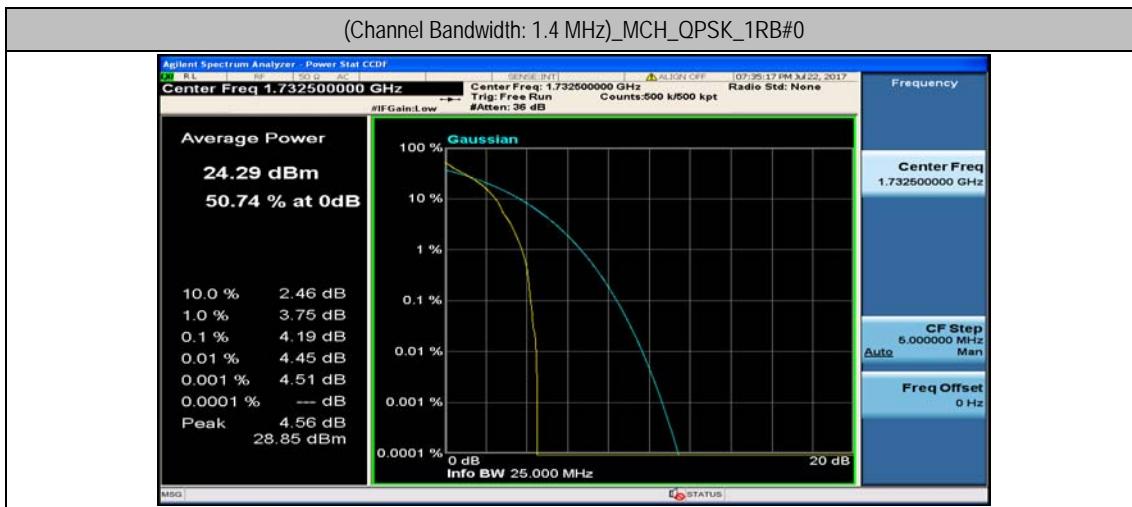
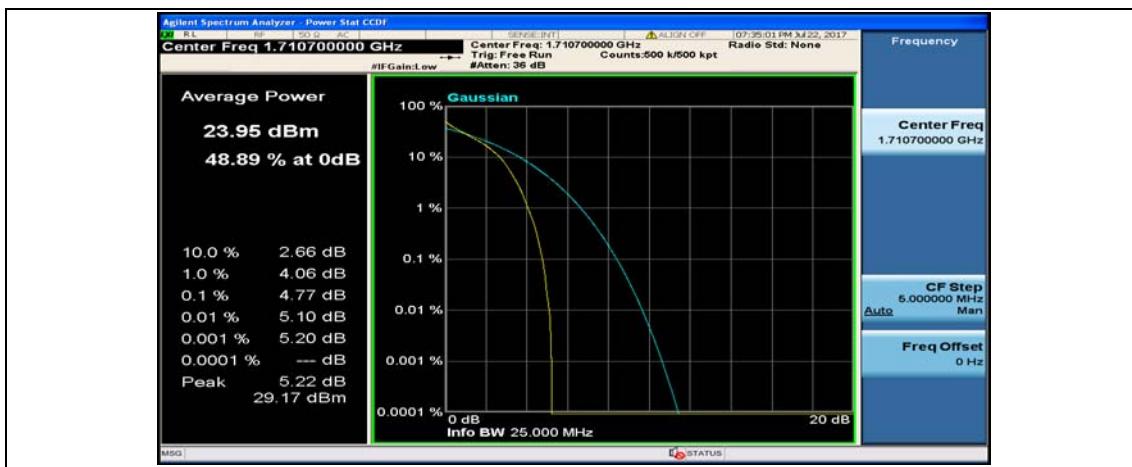
		1	99	4.17	<13	PASS
		50	0	4.64	<13	PASS
		50	25	4.57	<13	PASS
		50	50	4.68	<13	PASS
		100	0	4.94	<13	PASS
	MCH	1	0	4.03	<13	PASS
		1	49	4.29	<13	PASS
		1	99	5.07	<13	PASS
		50	0	4.72	<13	PASS
		50	25	4.82	<13	PASS
		50	50	5.18	<13	PASS
		100	0	5.16	<13	PASS
	HCH	1	0	4.79	<13	PASS
		1	49	5.07	<13	PASS
		1	99	3.52	<13	PASS
		50	0	5.38	<13	PASS
		50	25	5.24	<13	PASS
		50	50	4.92	<13	PASS
		100	0	5.27	<13	PASS
	LCH	1	0	5.03	<13	PASS
		1	49	4.76	<13	PASS
		1	99	4.86	<13	PASS
		50	0	5.45	<13	PASS
		50	25	5.42	<13	PASS
		50	50	5.52	<13	PASS
		100	0	5.72	<13	PASS
	MCH	1	0	5.01	<13	PASS
		1	49	5.31	<13	PASS
		1	99	6.01	<13	PASS
		50	0	5.47	<13	PASS
		50	25	5.65	<13	PASS
		50	50	5.97	<13	PASS
		100	0	5.92	<13	PASS
	HCH	1	0	5.46	<13	PASS
		1	49	5.7	<13	PASS
		1	99	4.3	<13	PASS
		50	0	6.12	<13	PASS
		50	25	6.07	<13	PASS
		50	50	5.71	<13	PASS
		100	0	6.05	<13	PASS

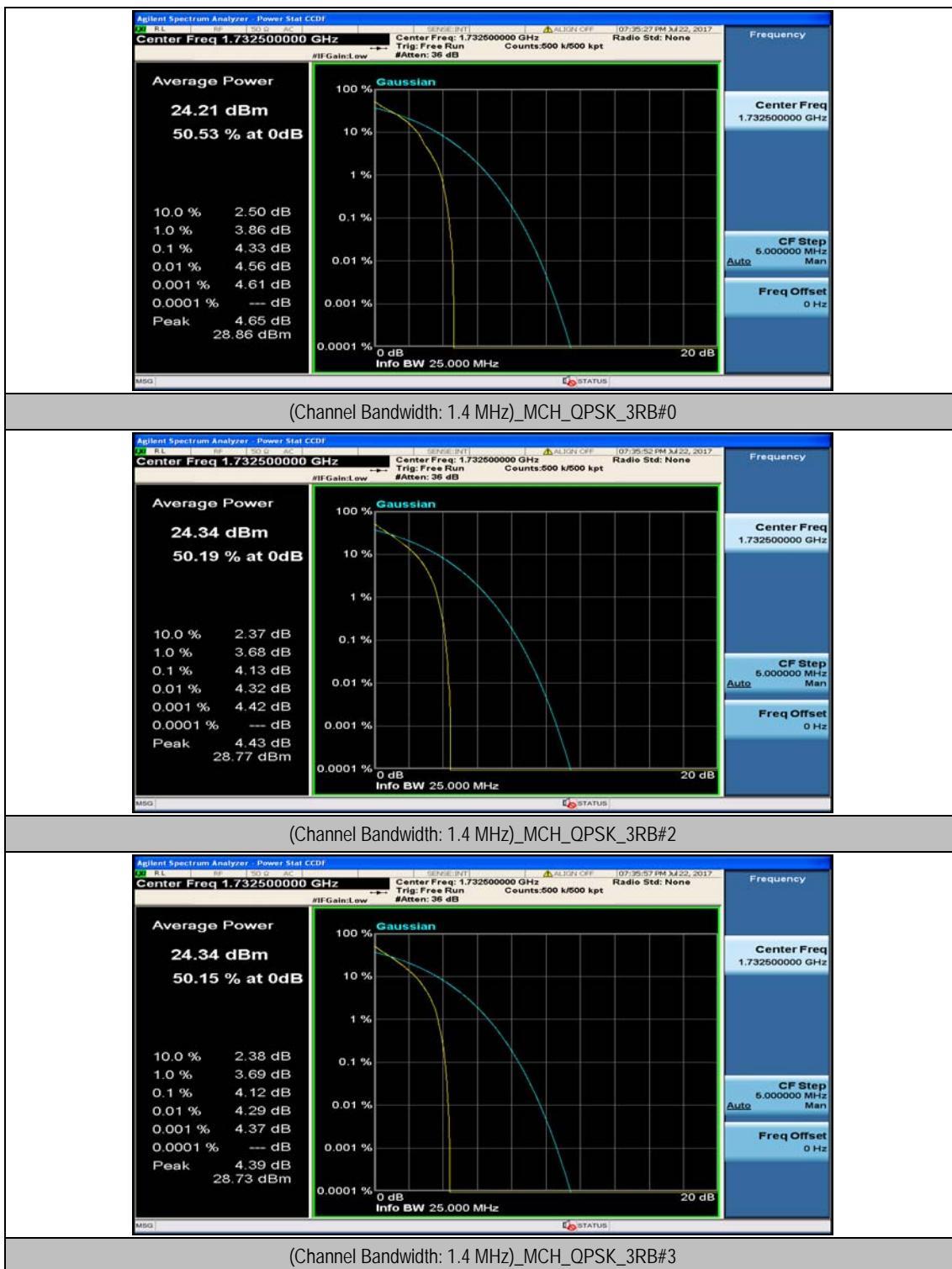
## Test Graphs

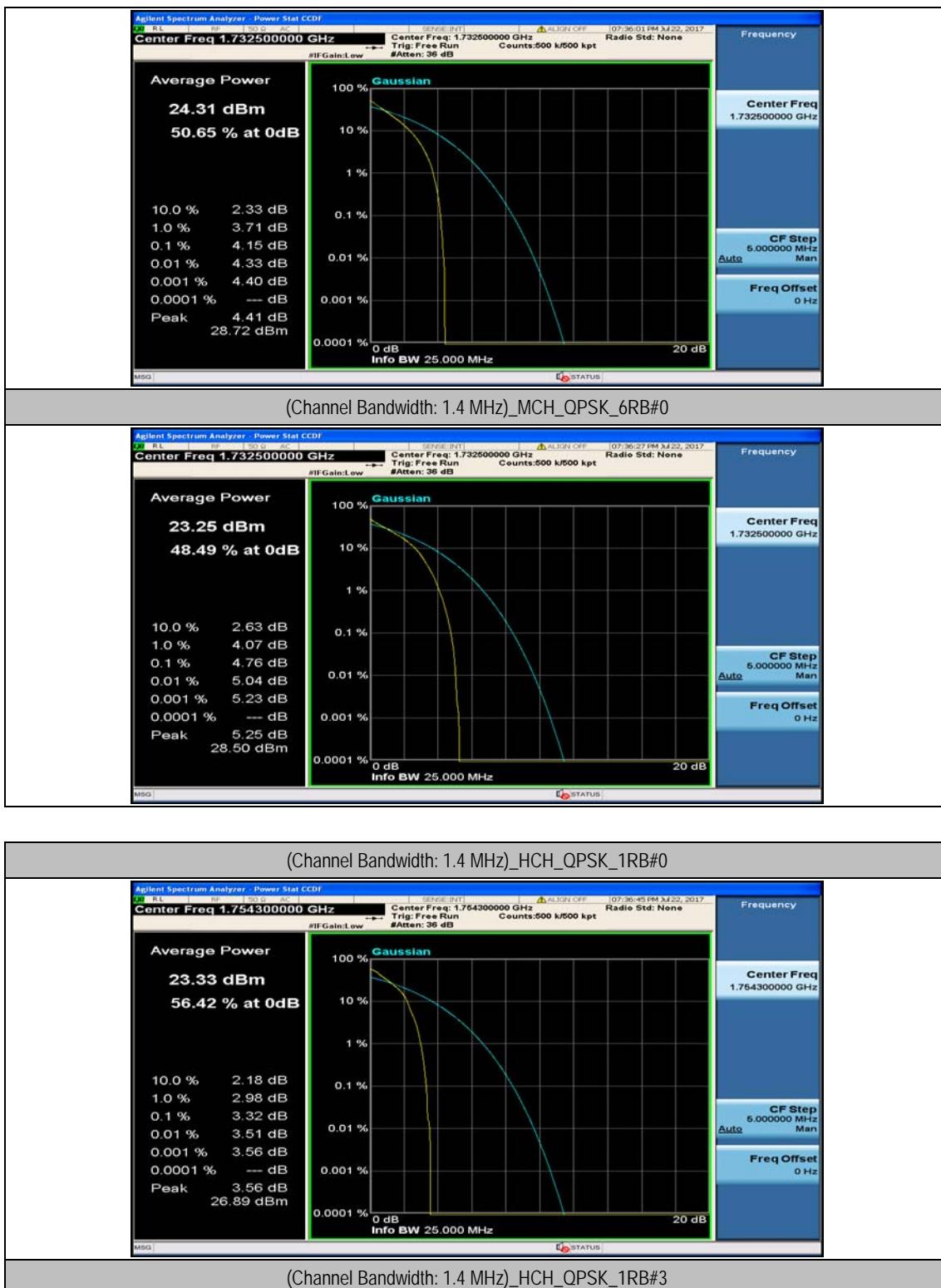
### Channel Bandwidth: 1.4 MHz

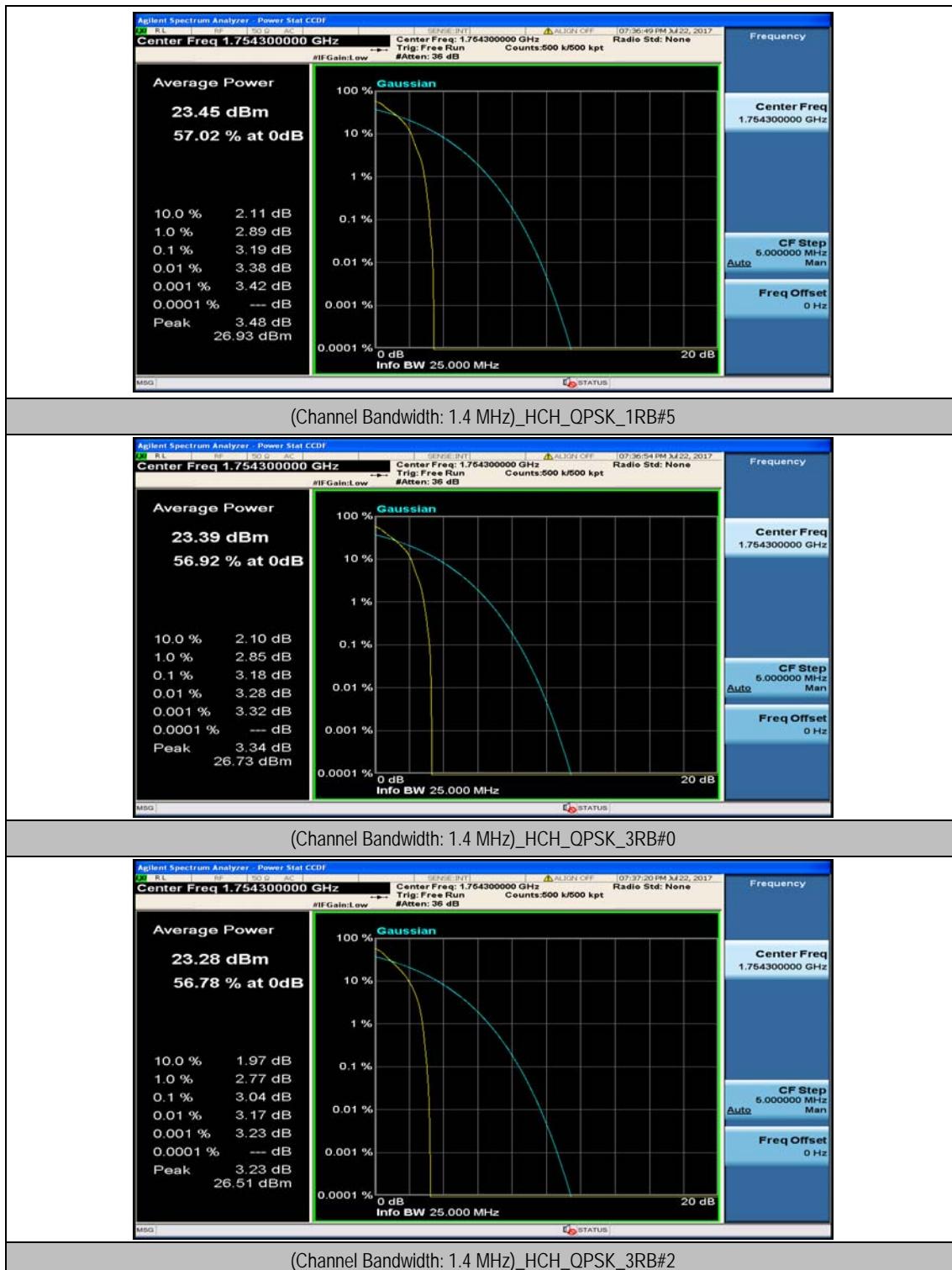


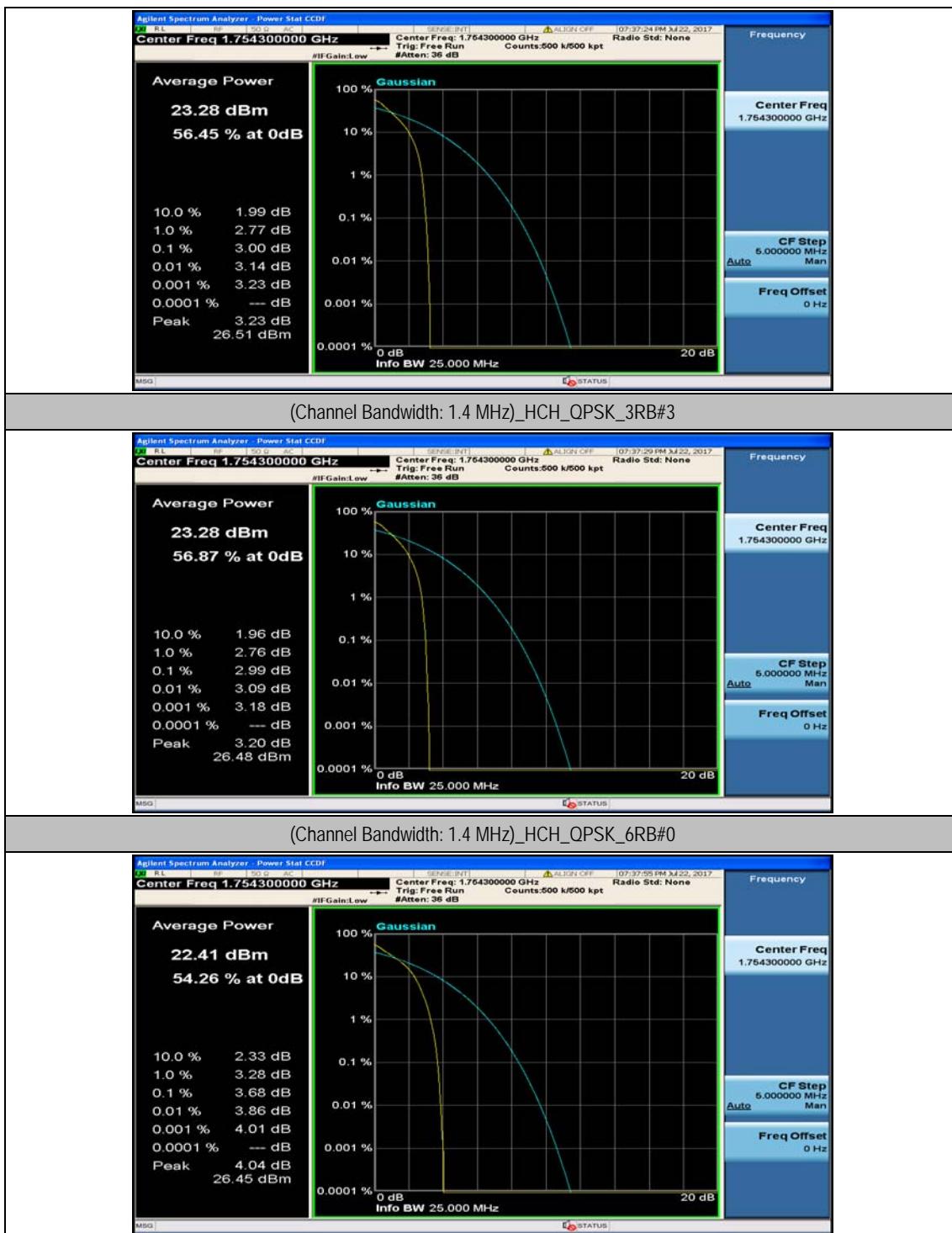


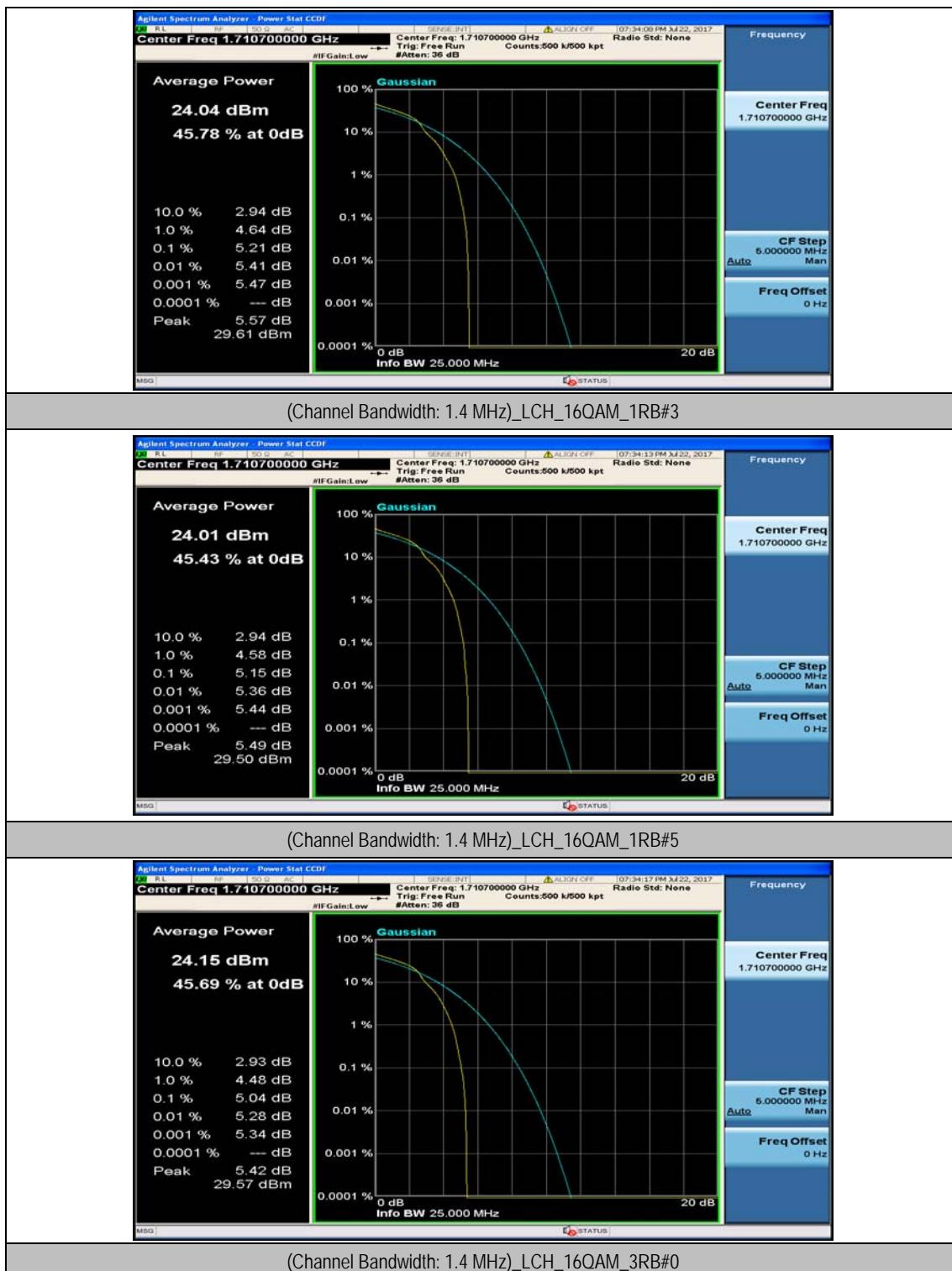


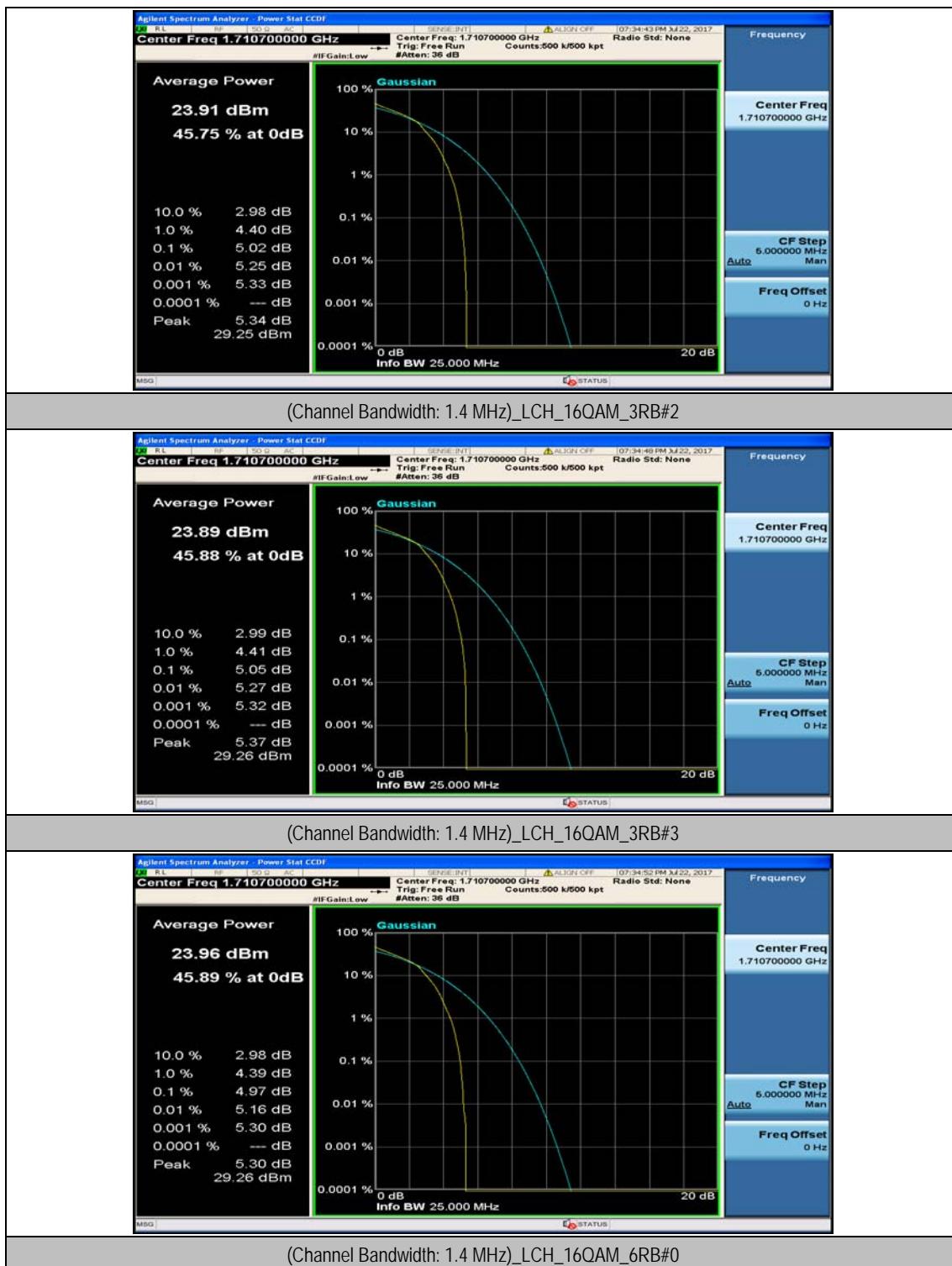


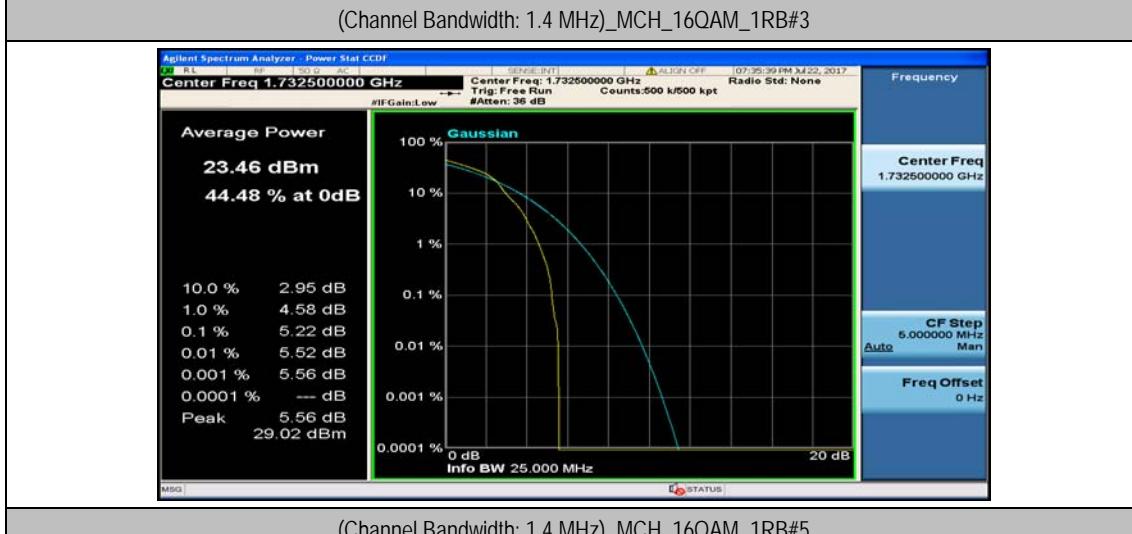
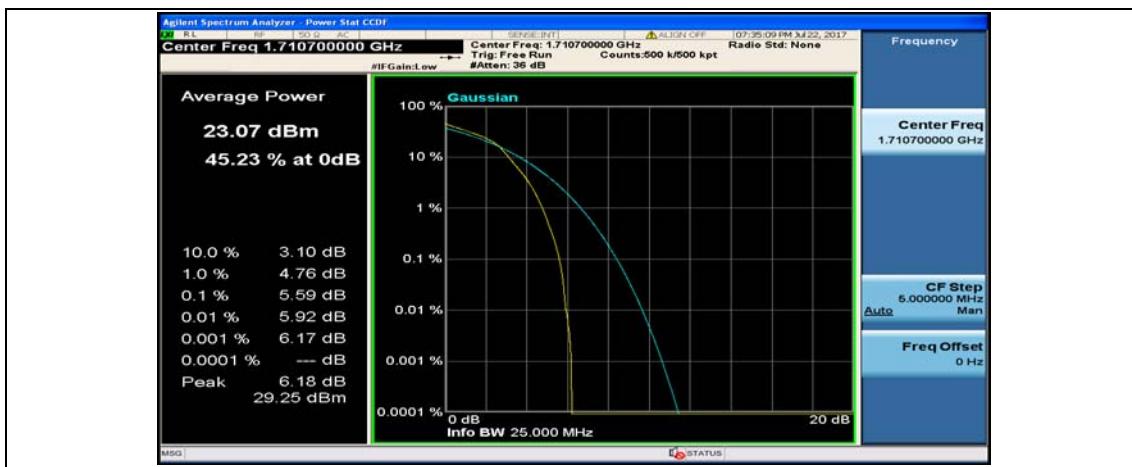


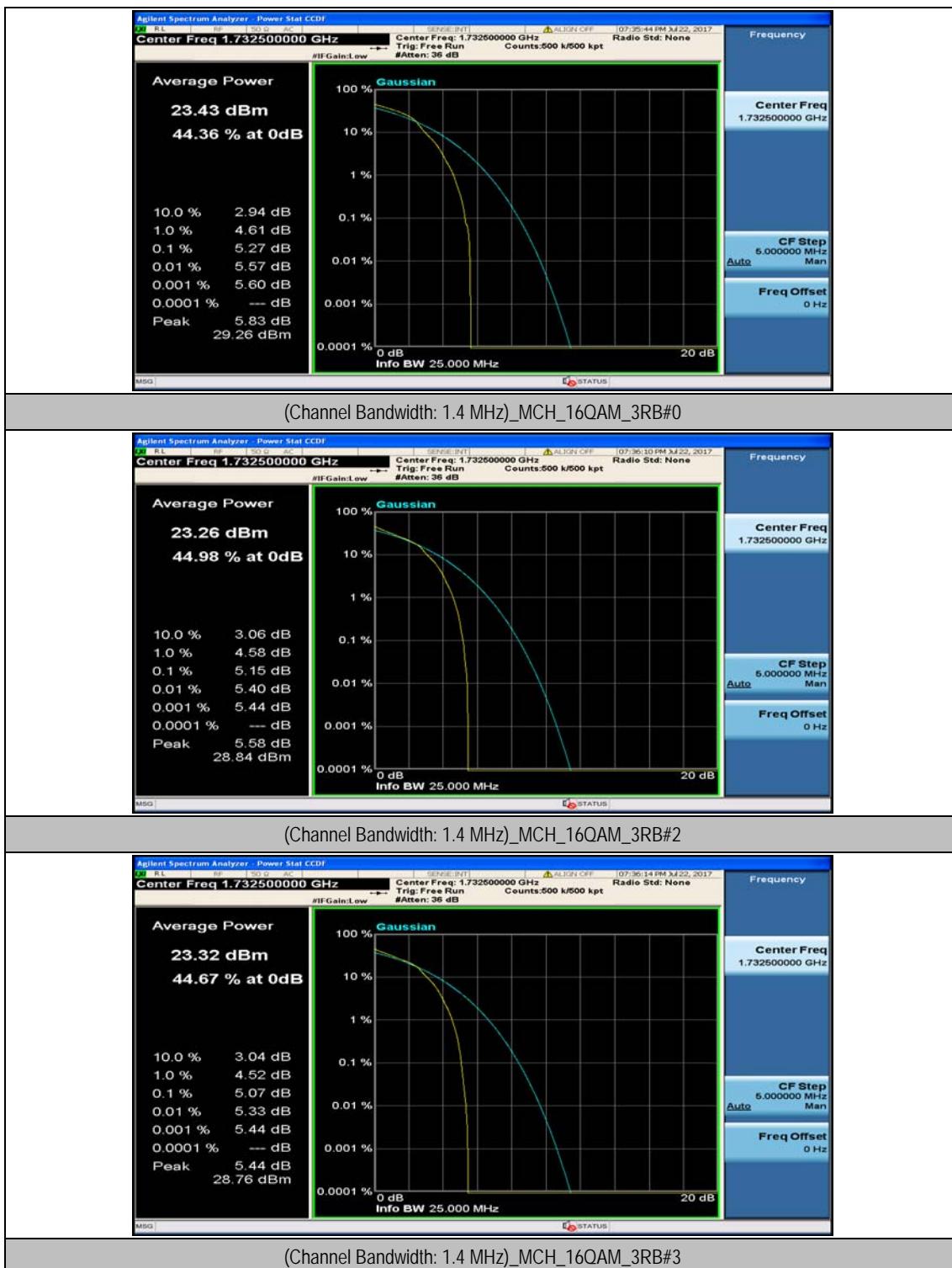


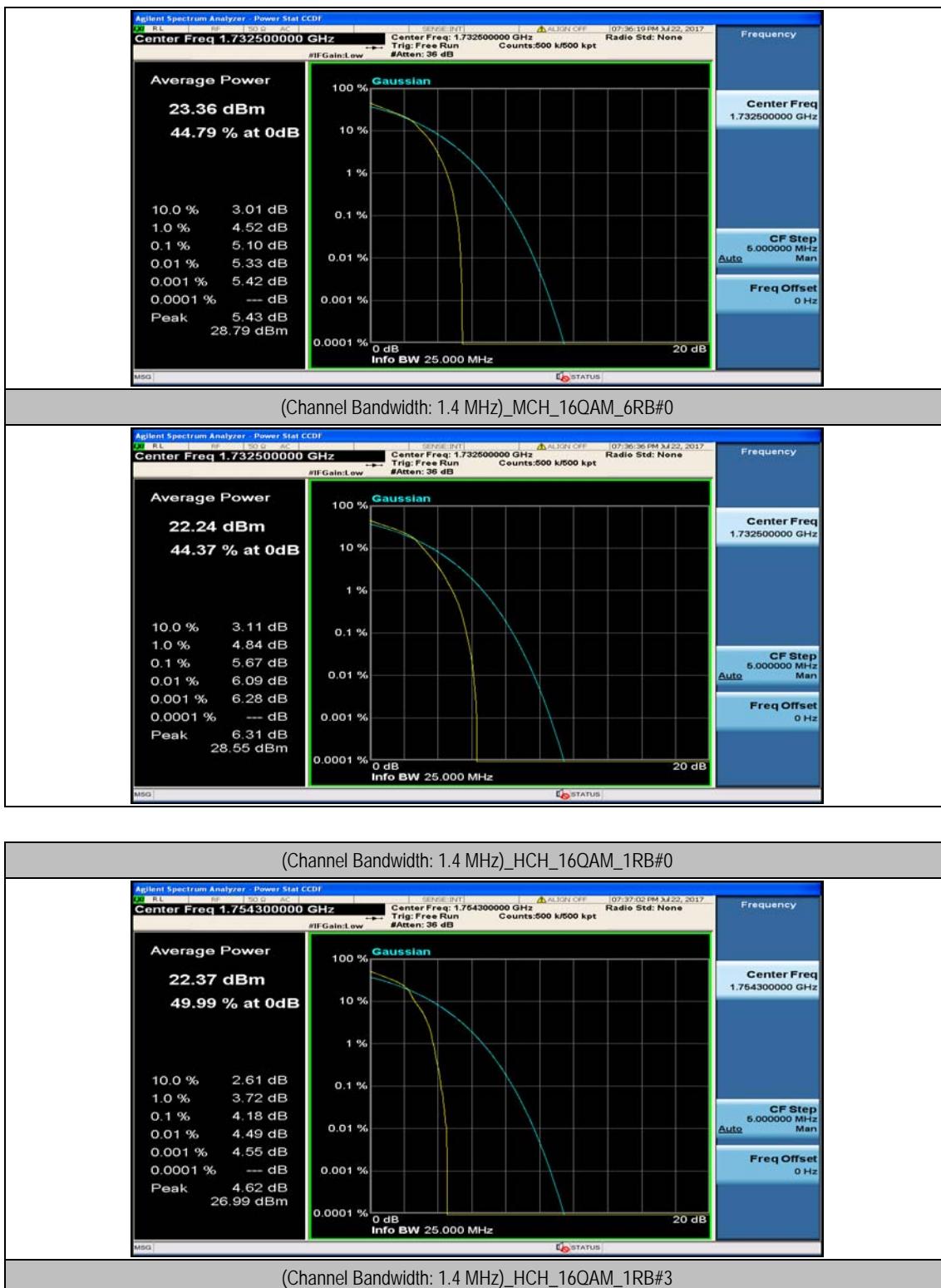


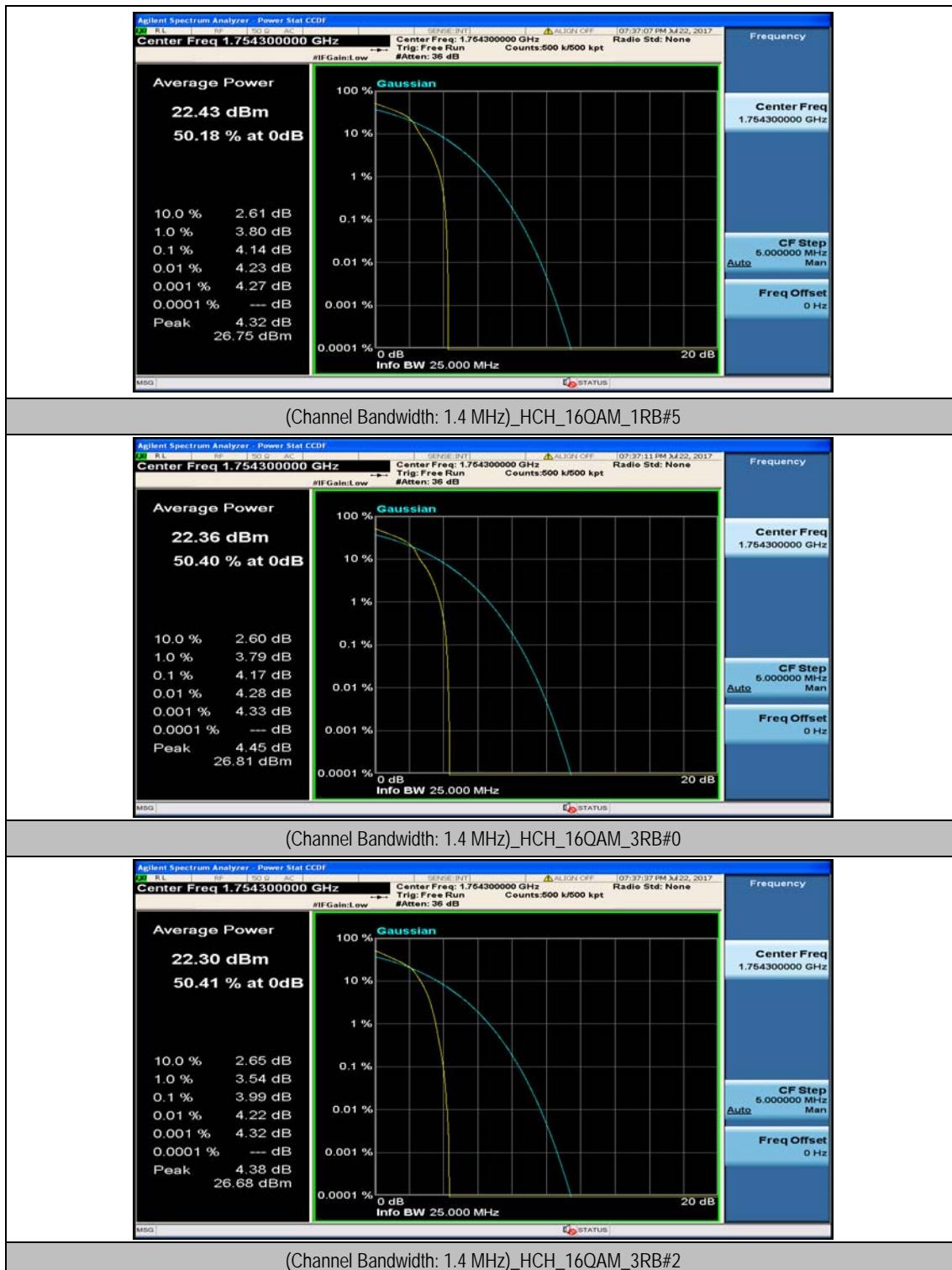


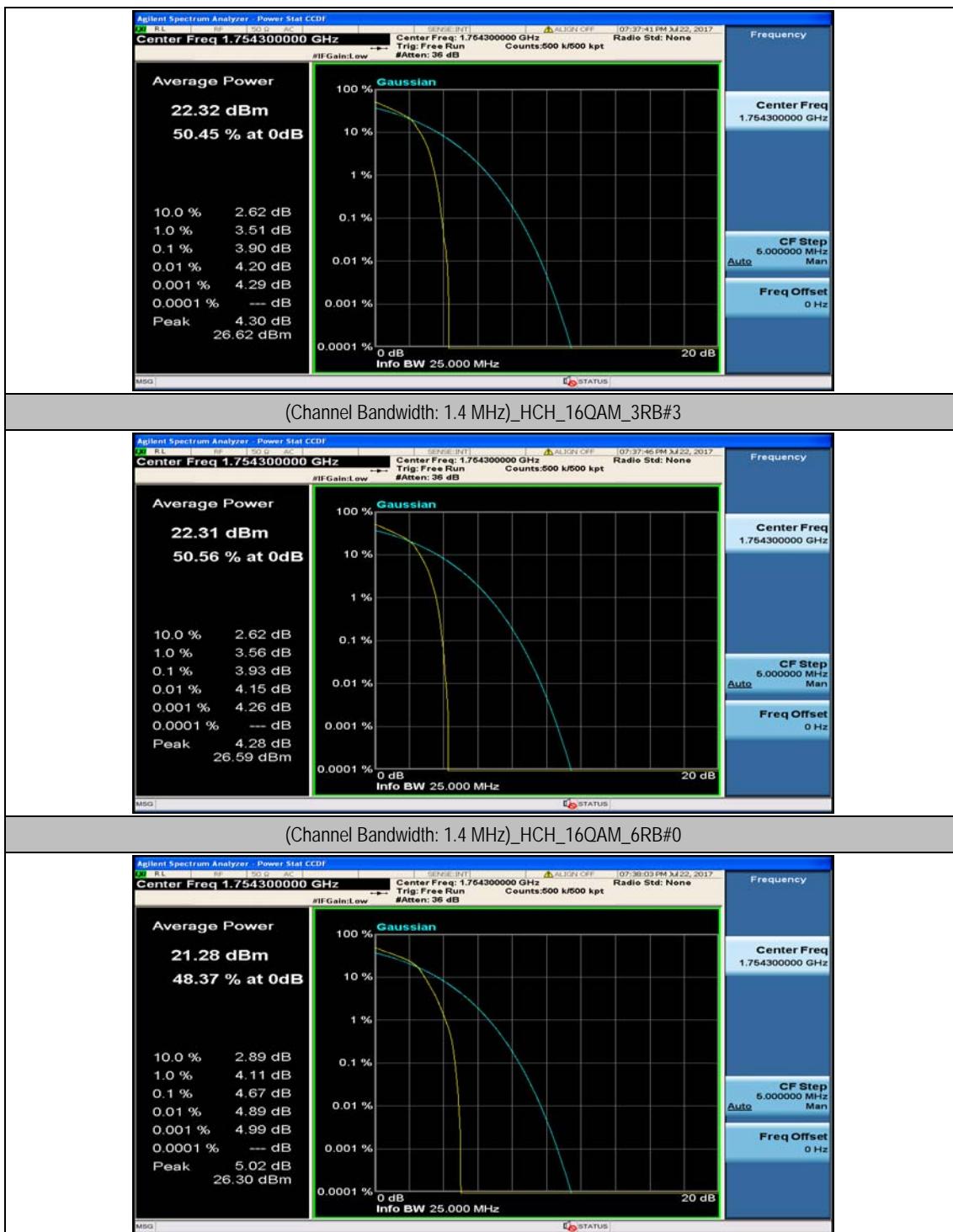






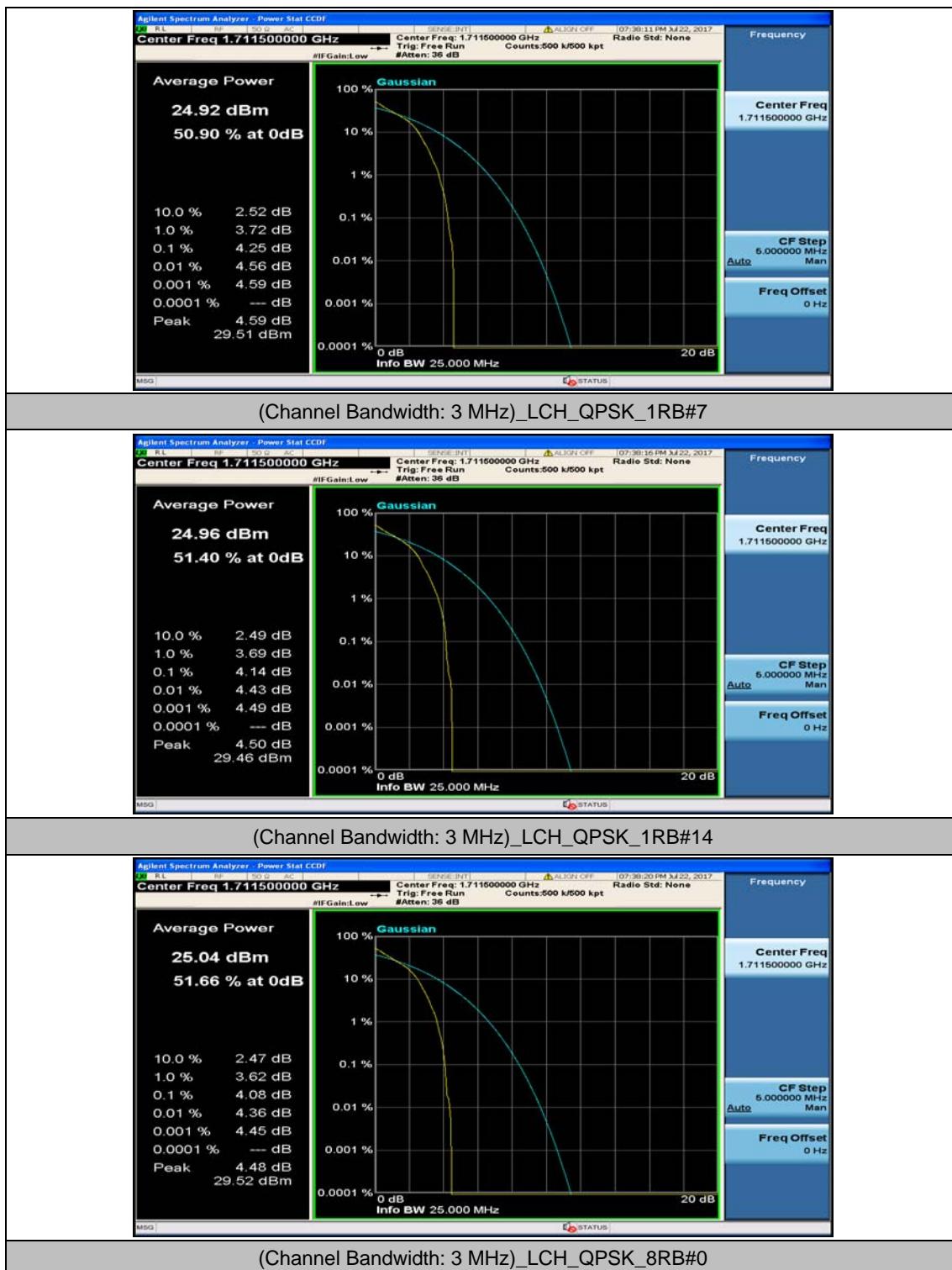


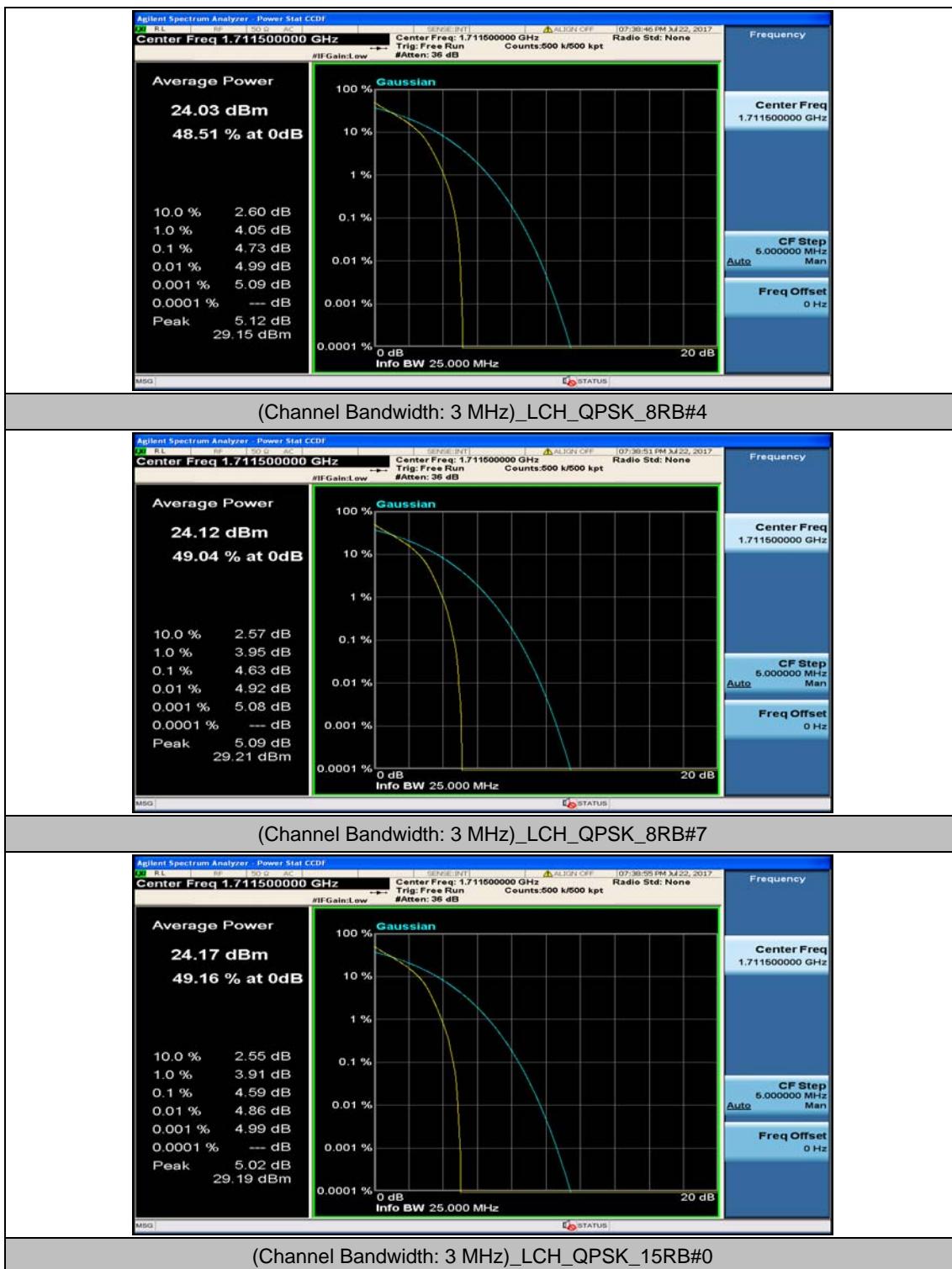


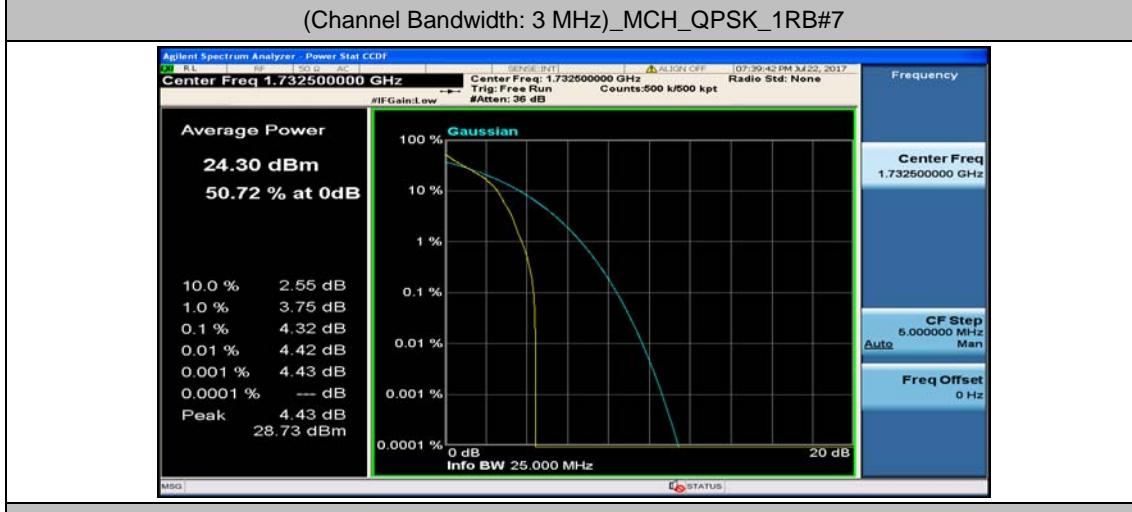
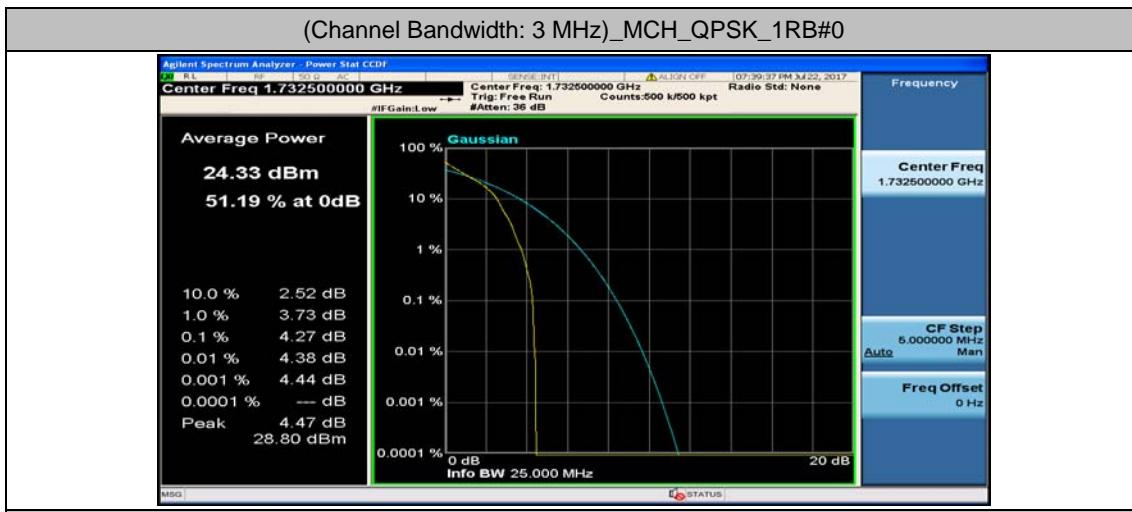
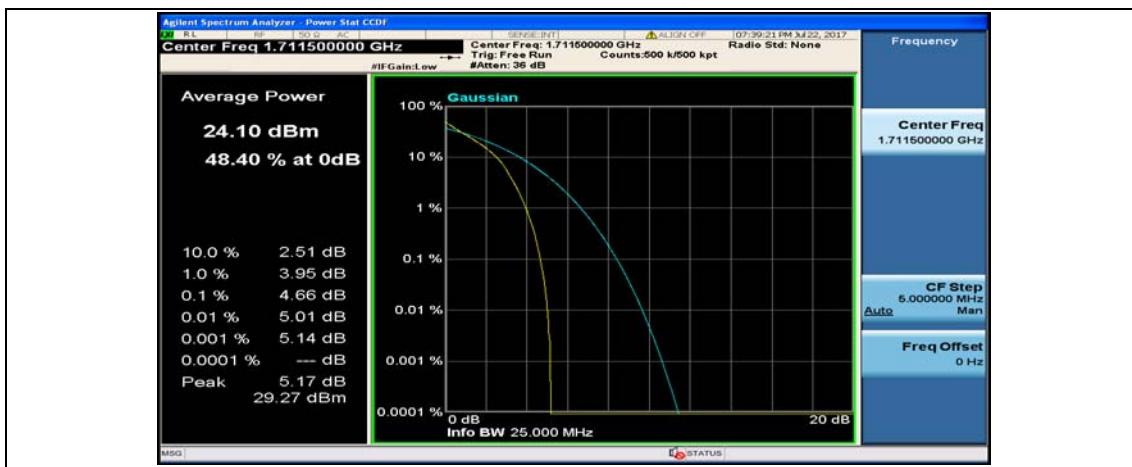


## Channel Bandwidth: 3 MHz

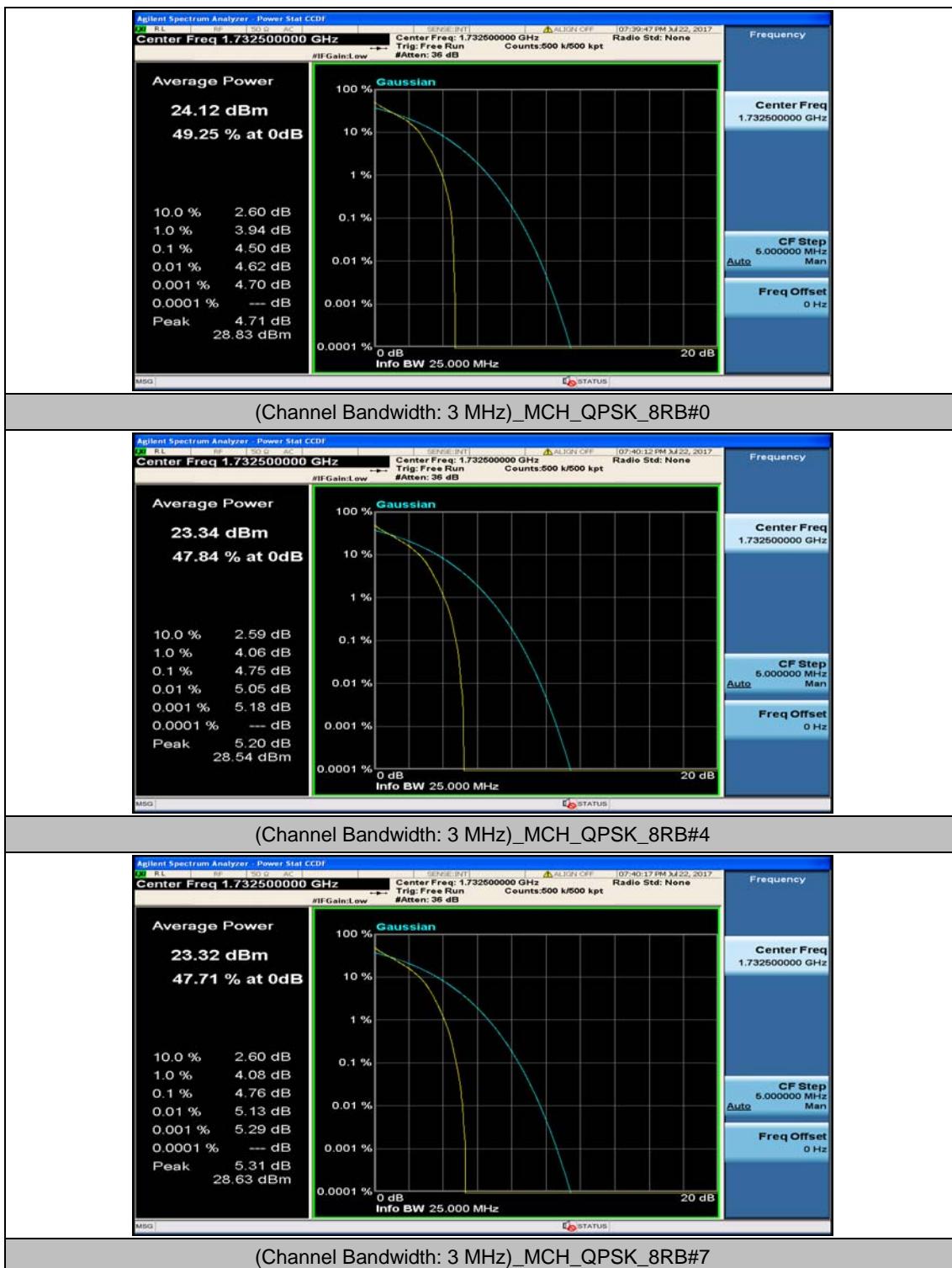
**(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0**

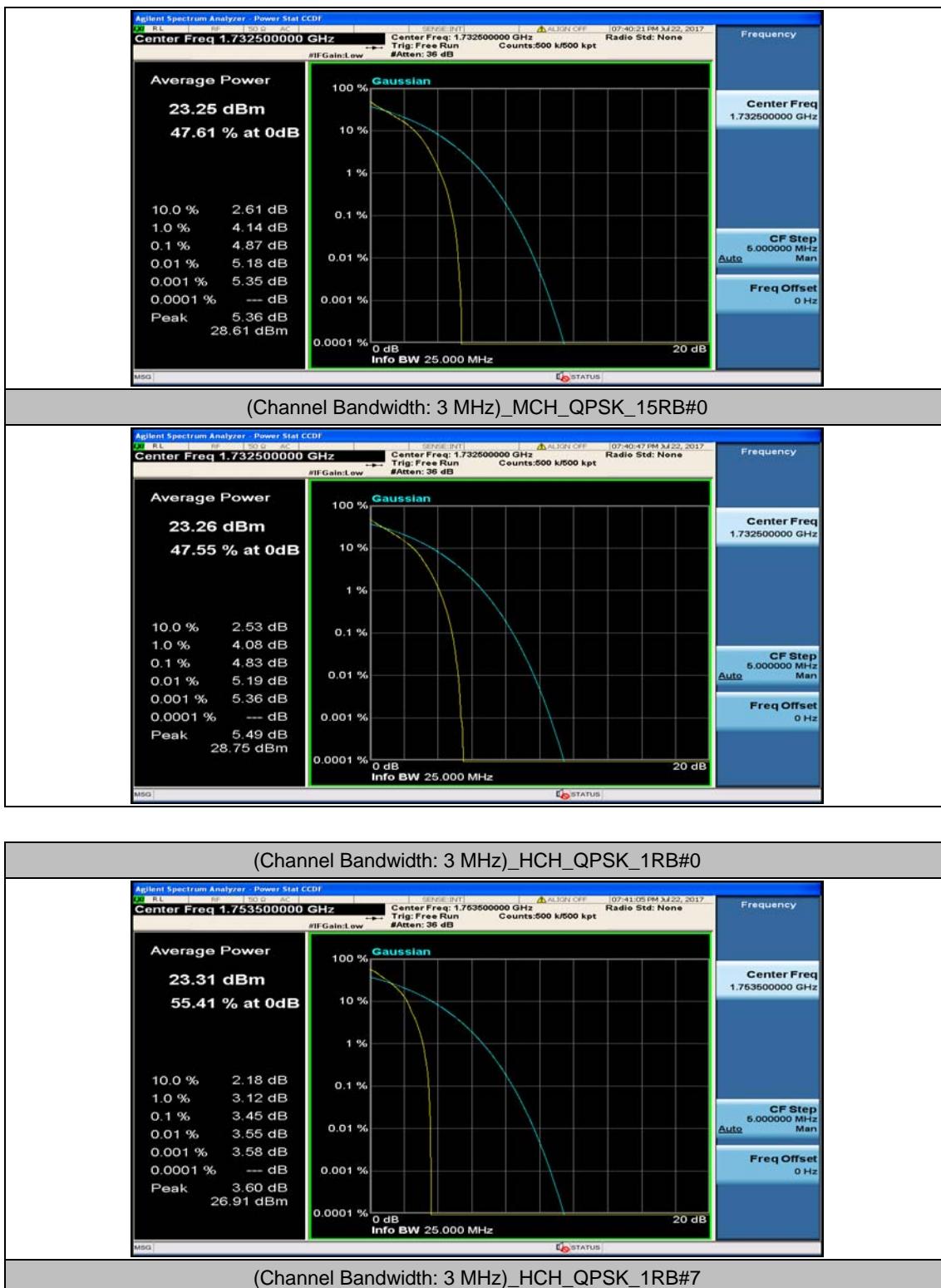


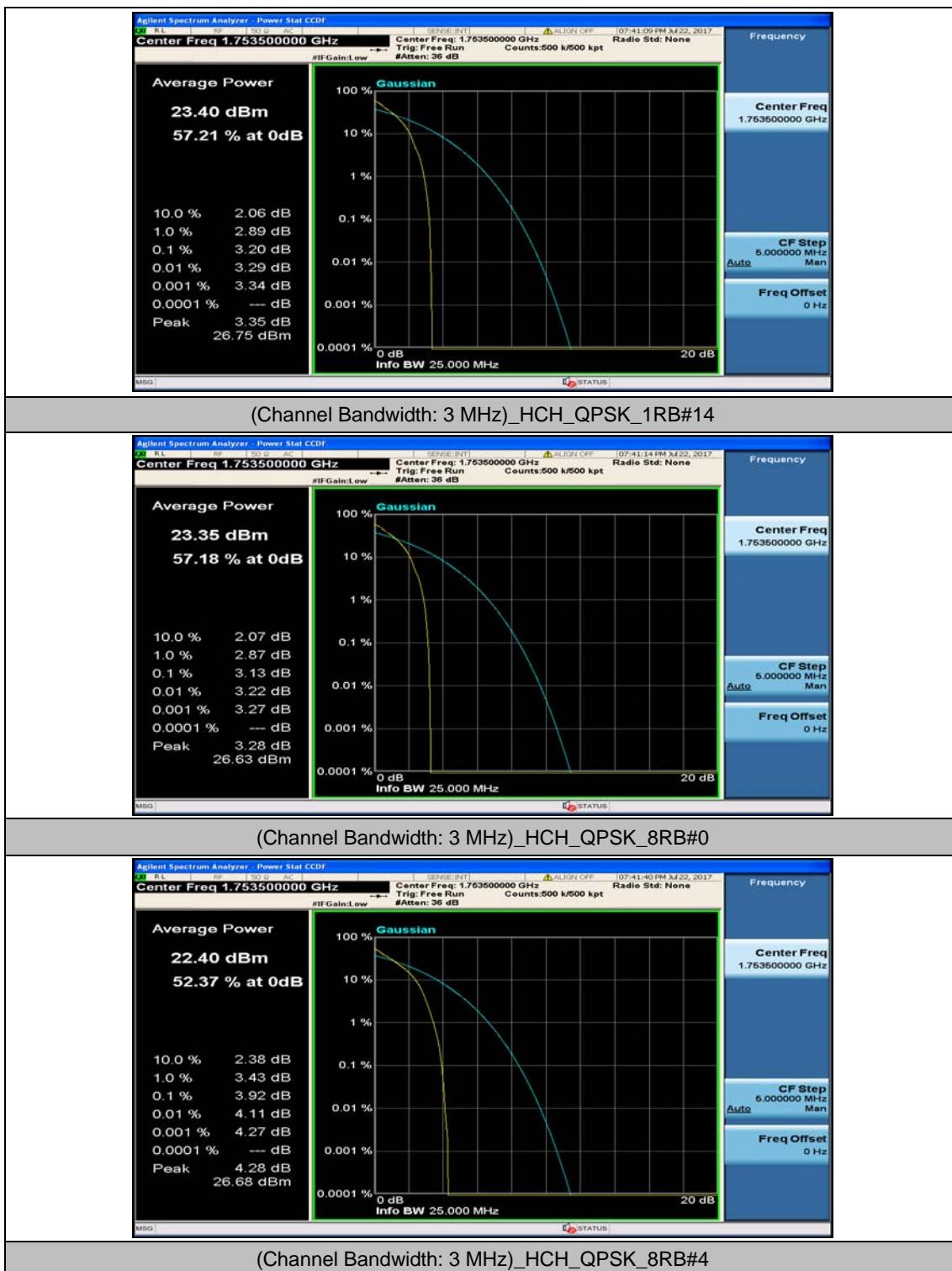


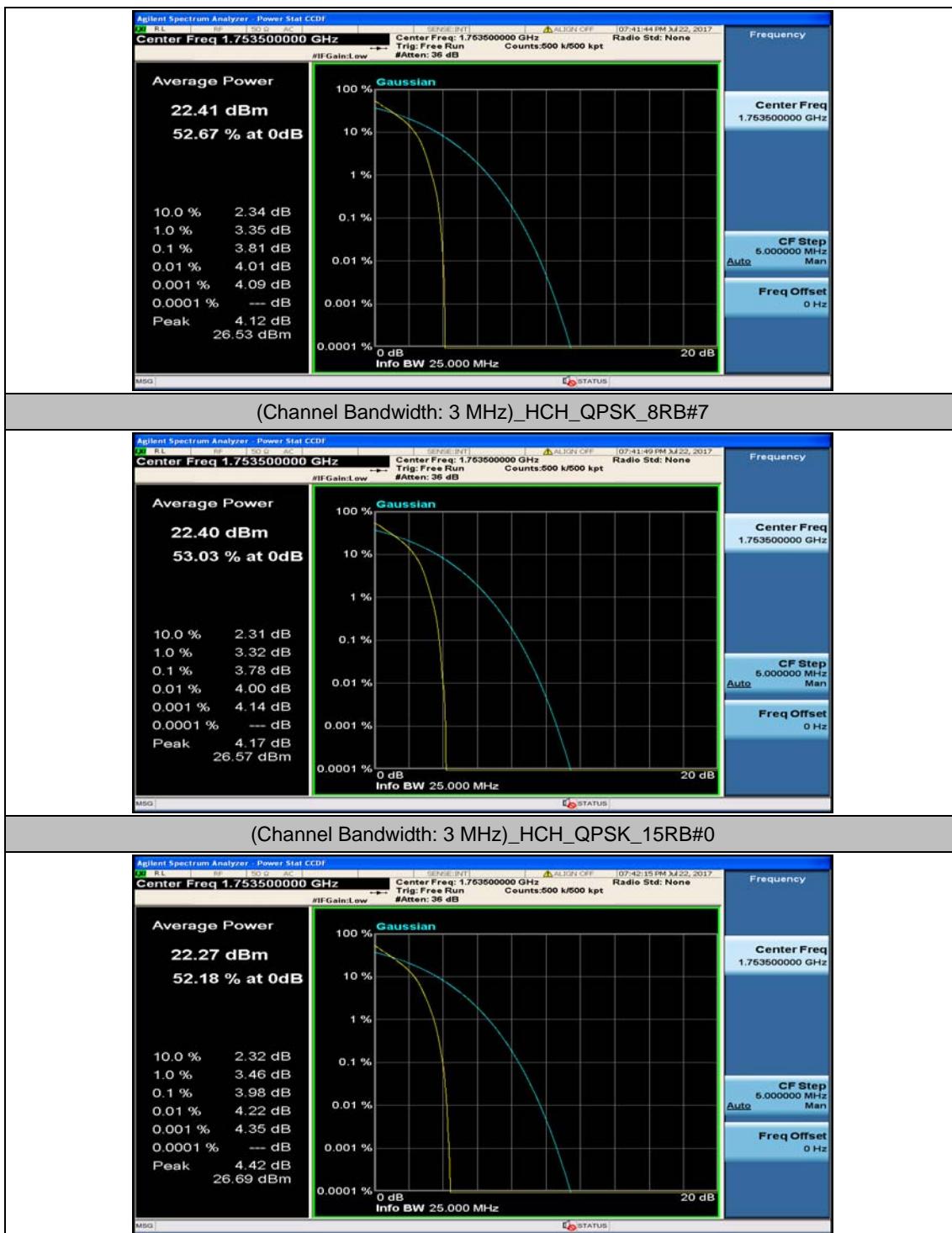


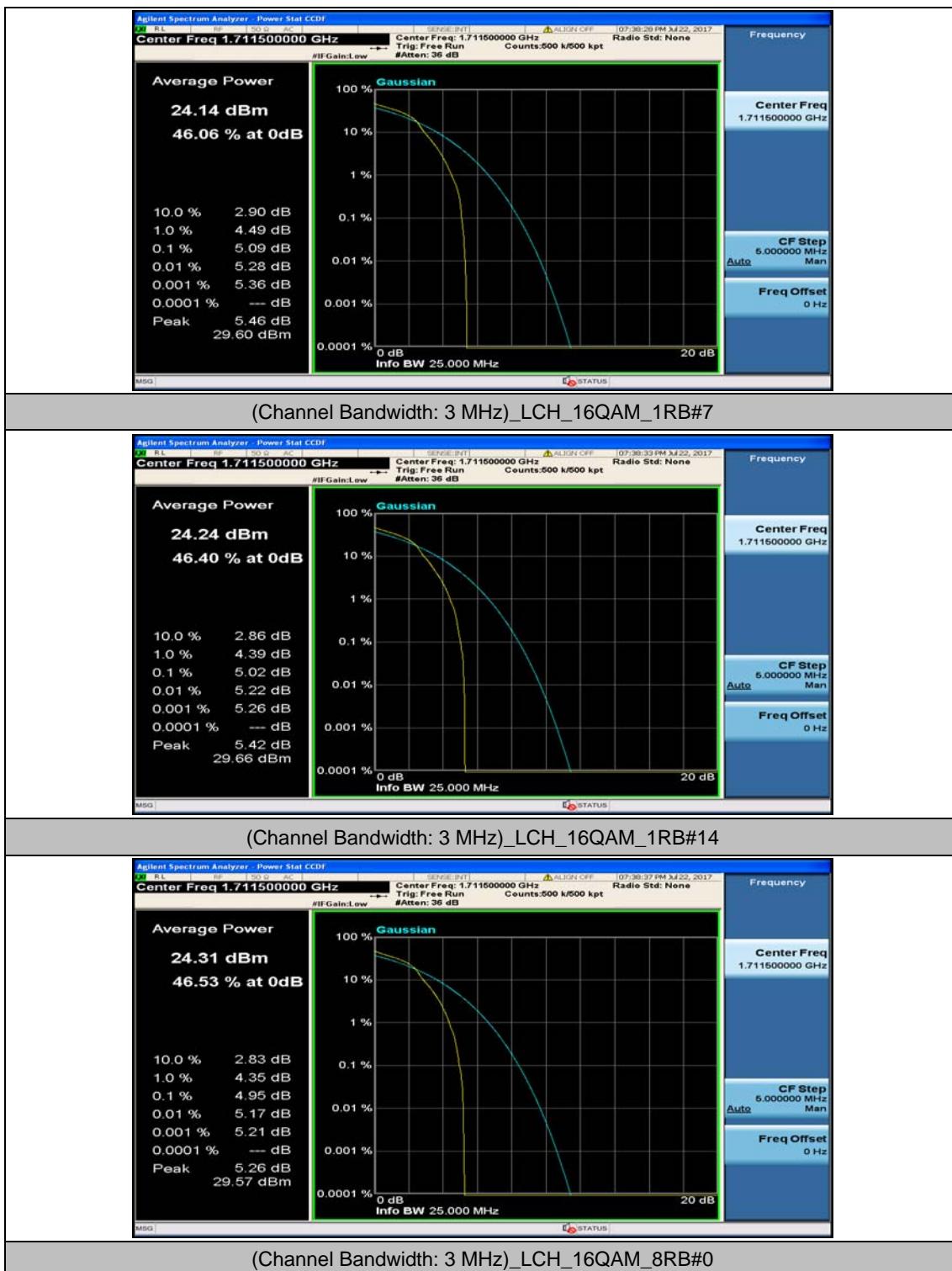
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14

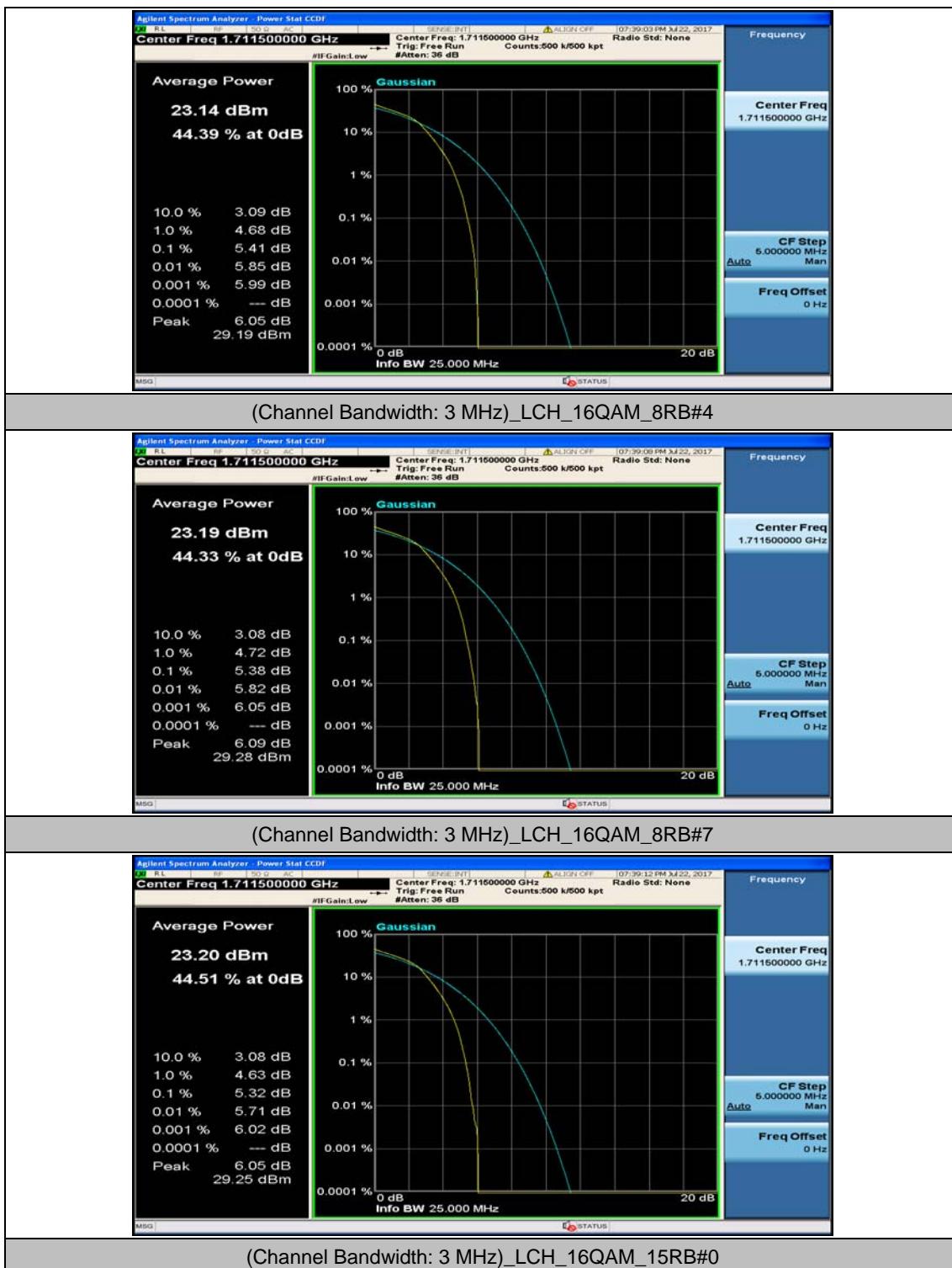


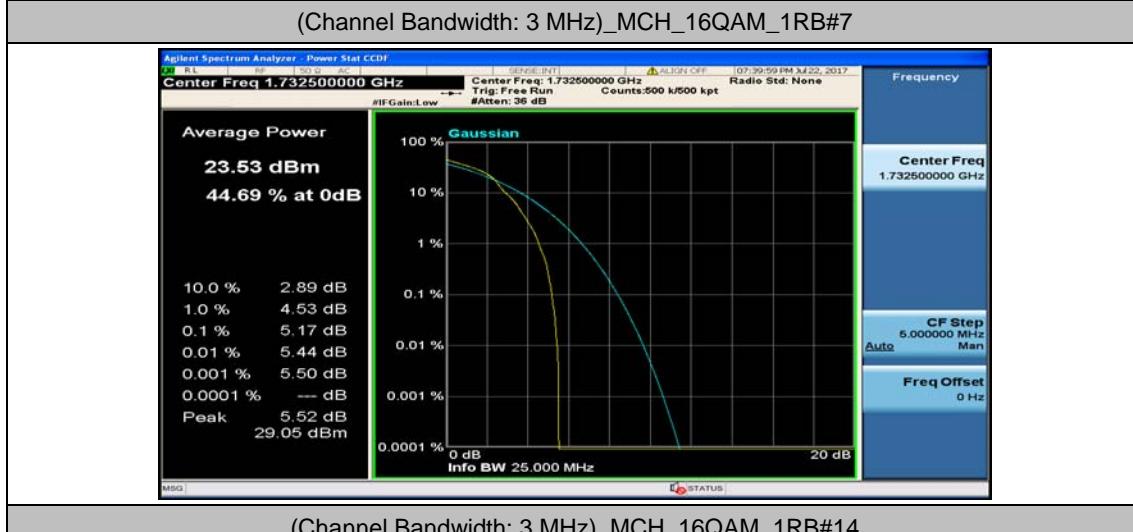
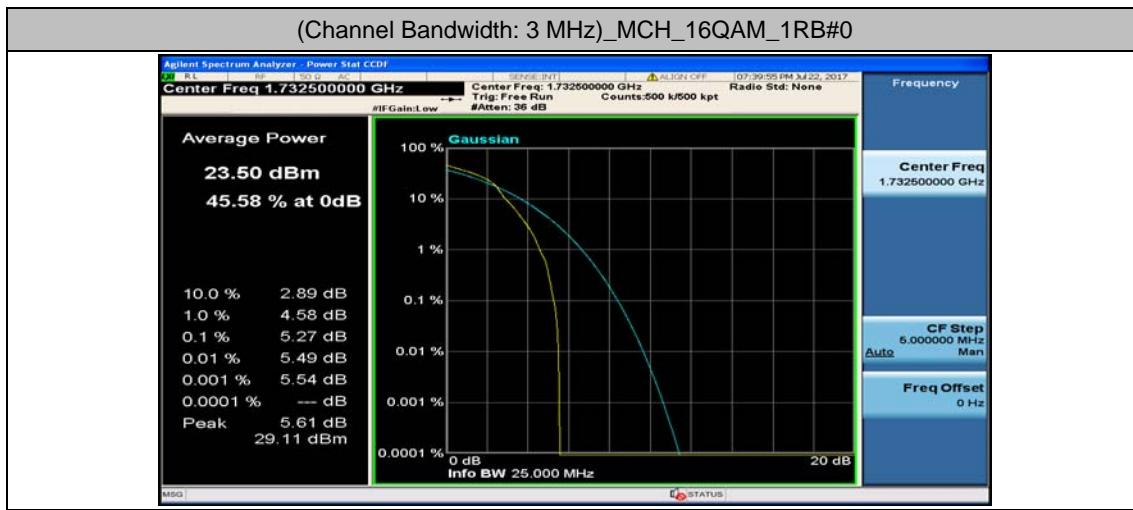
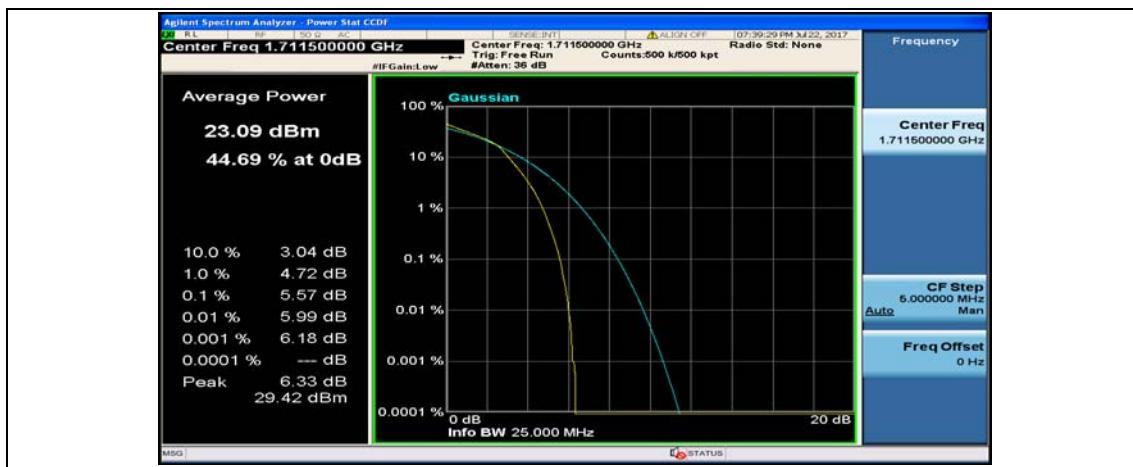




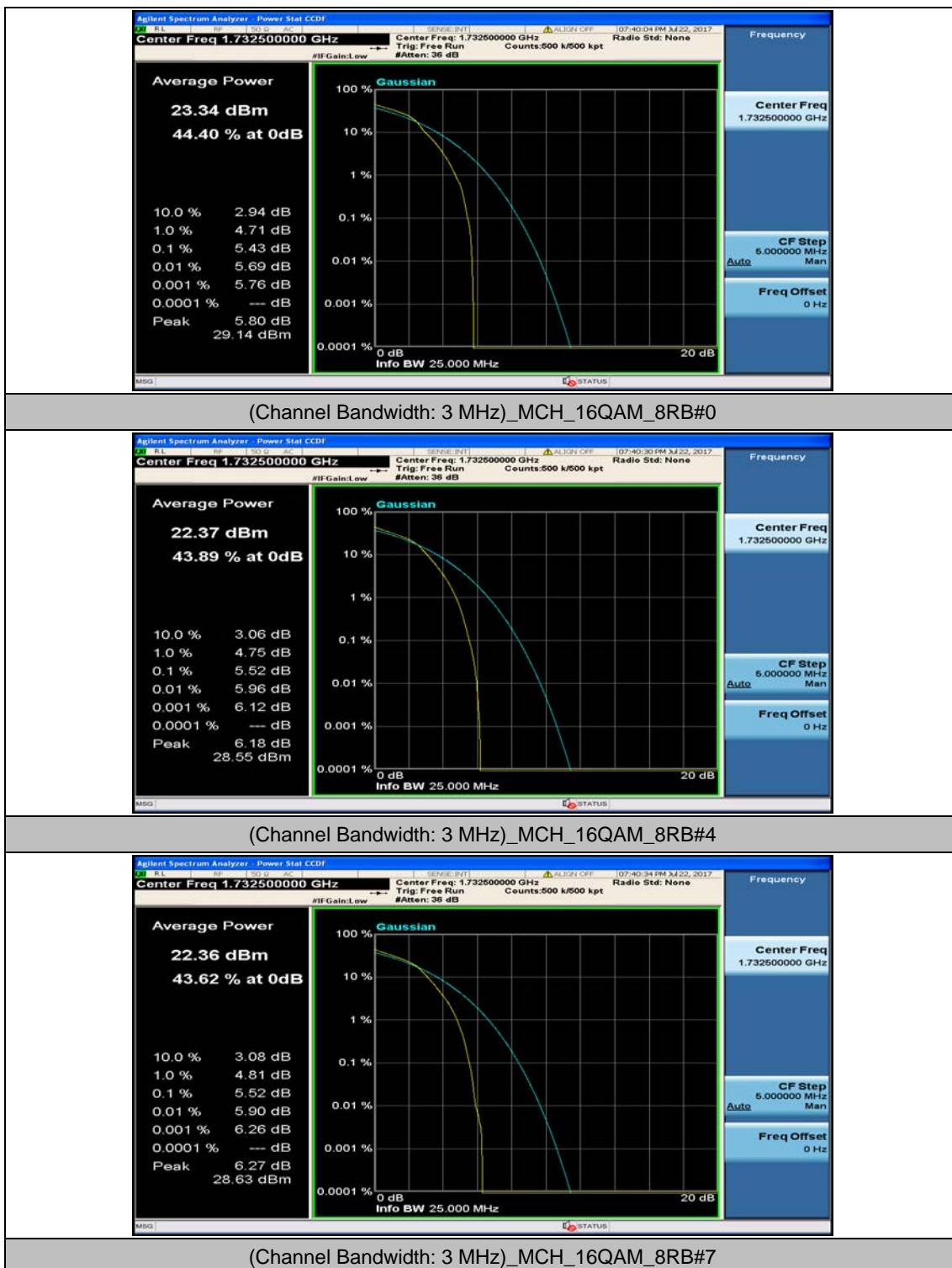


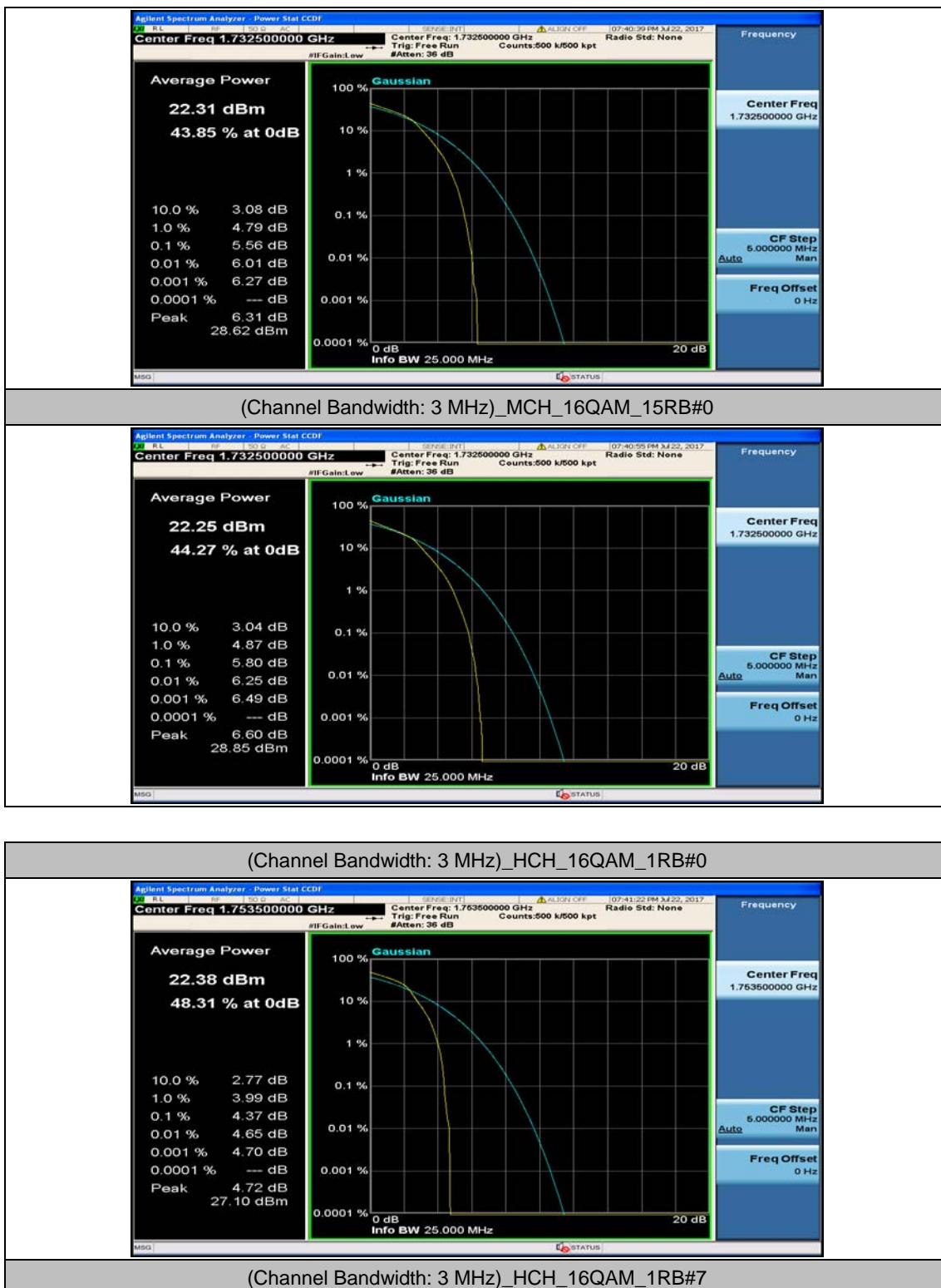


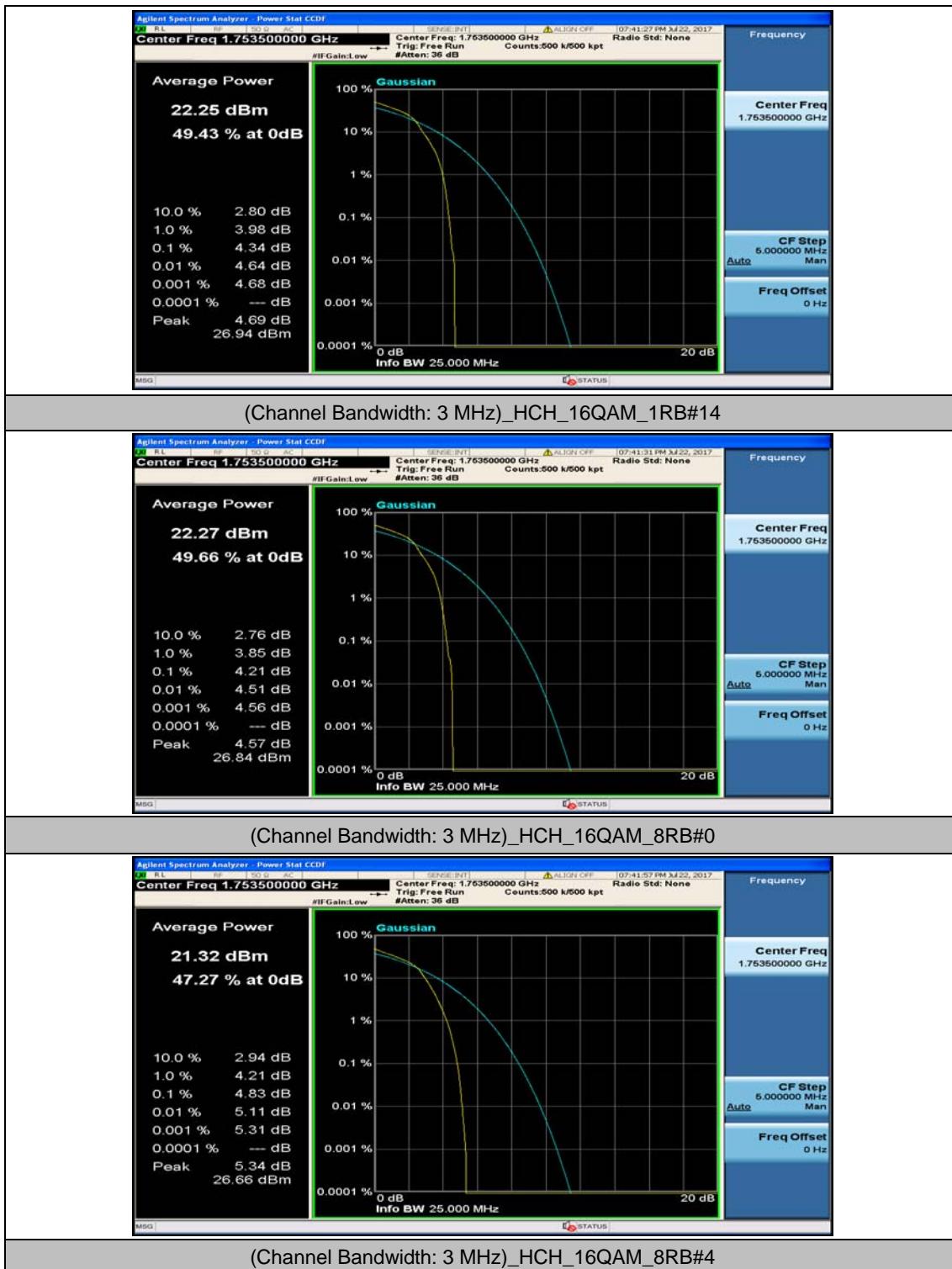


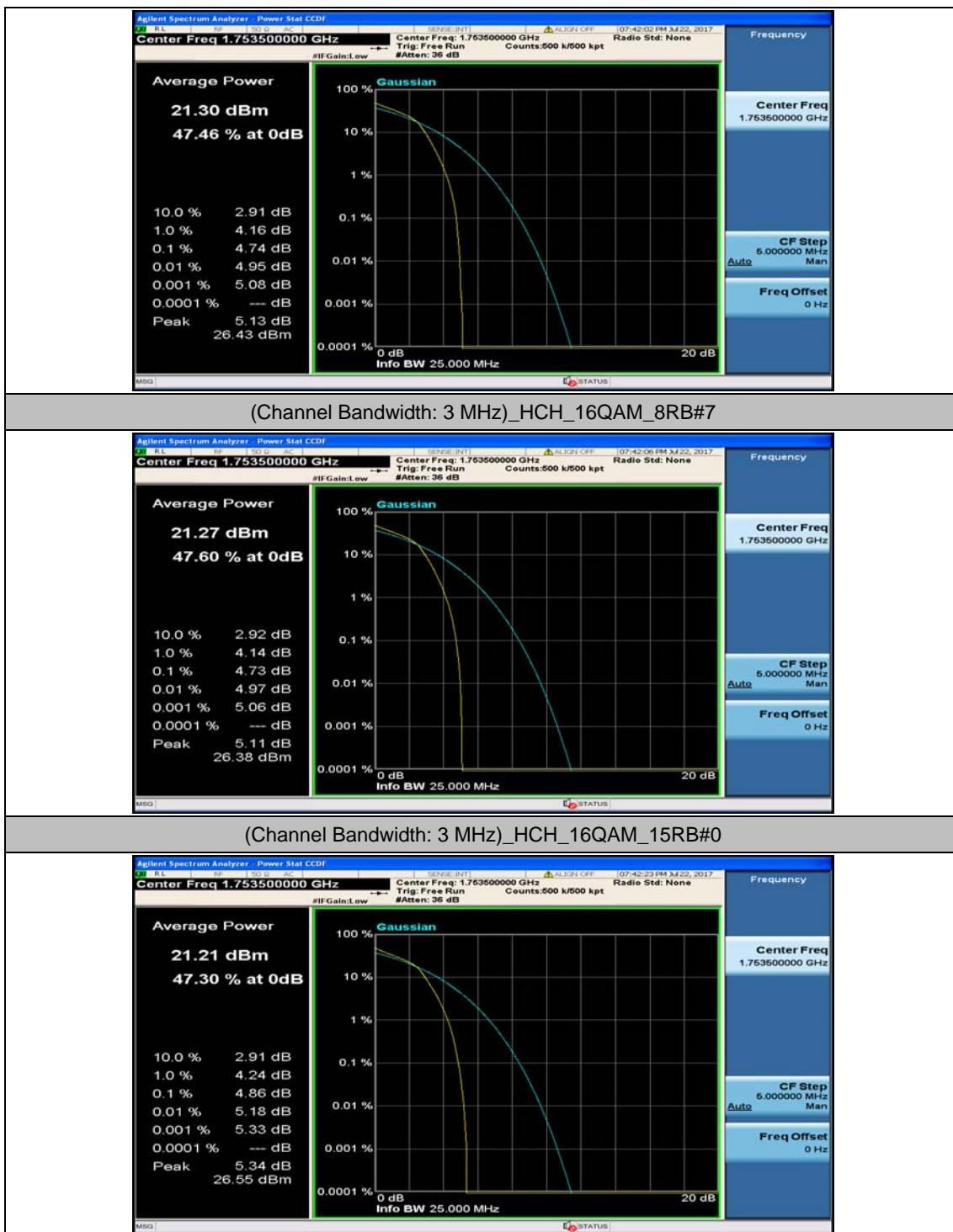


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**



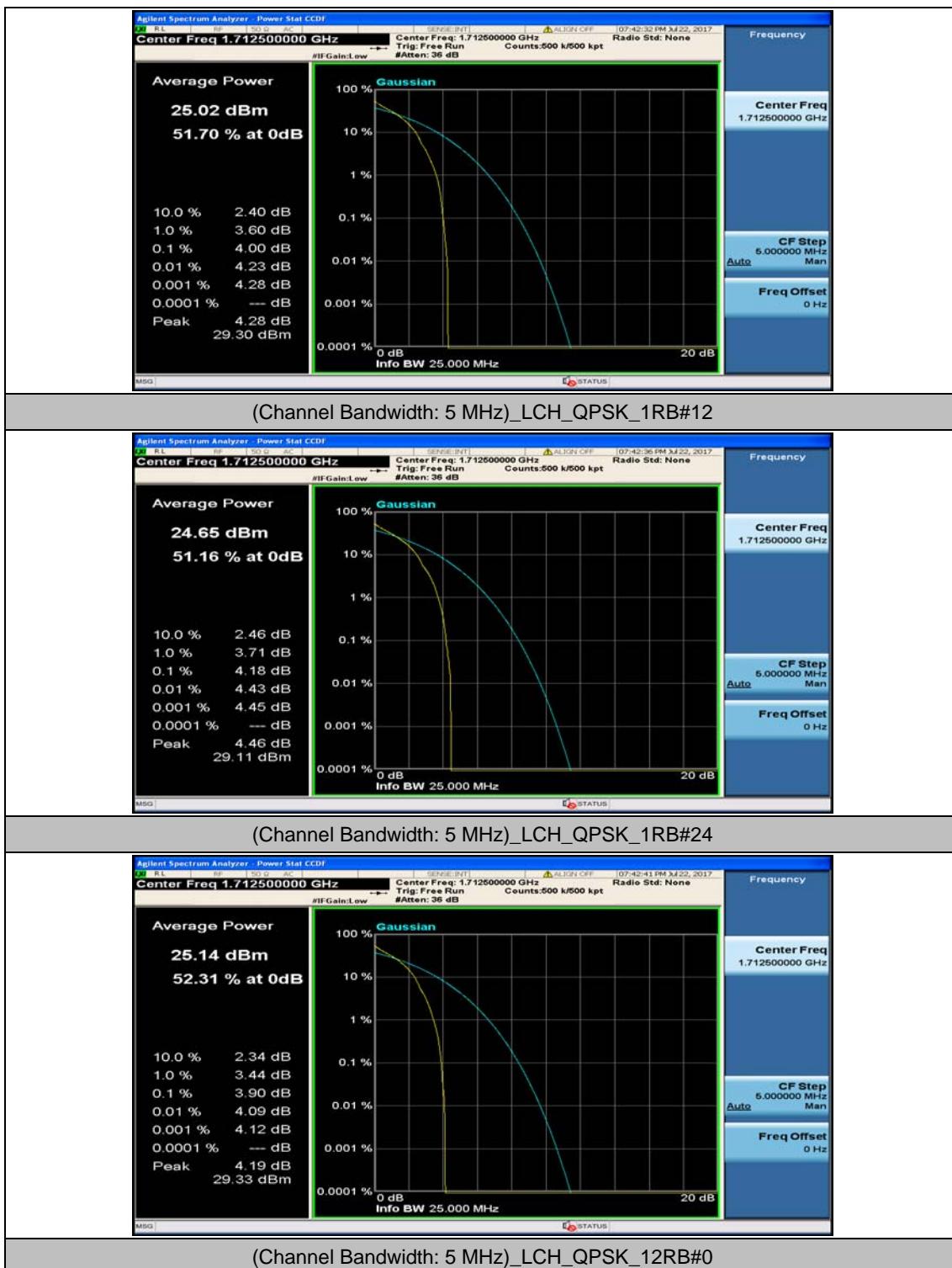


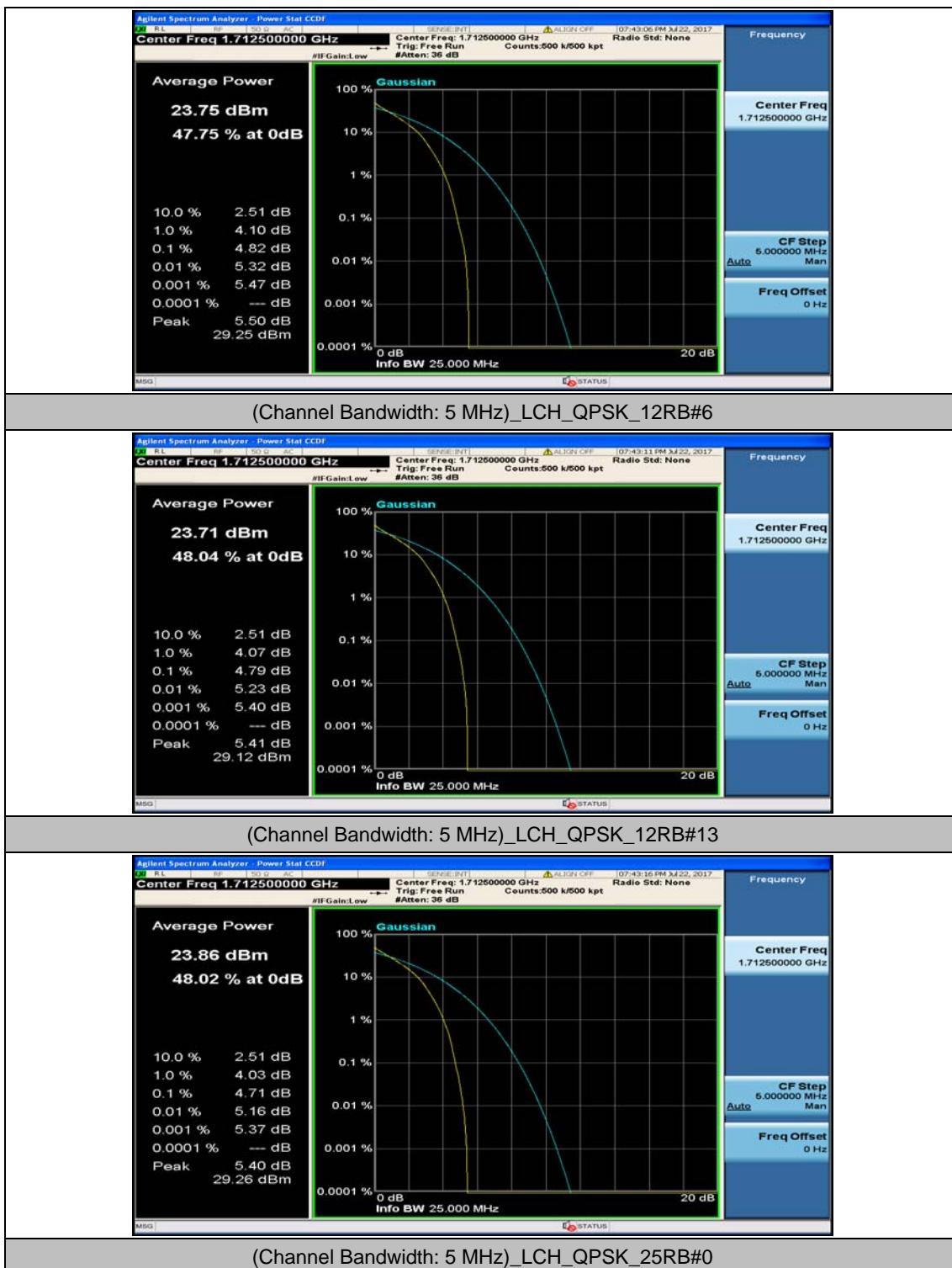


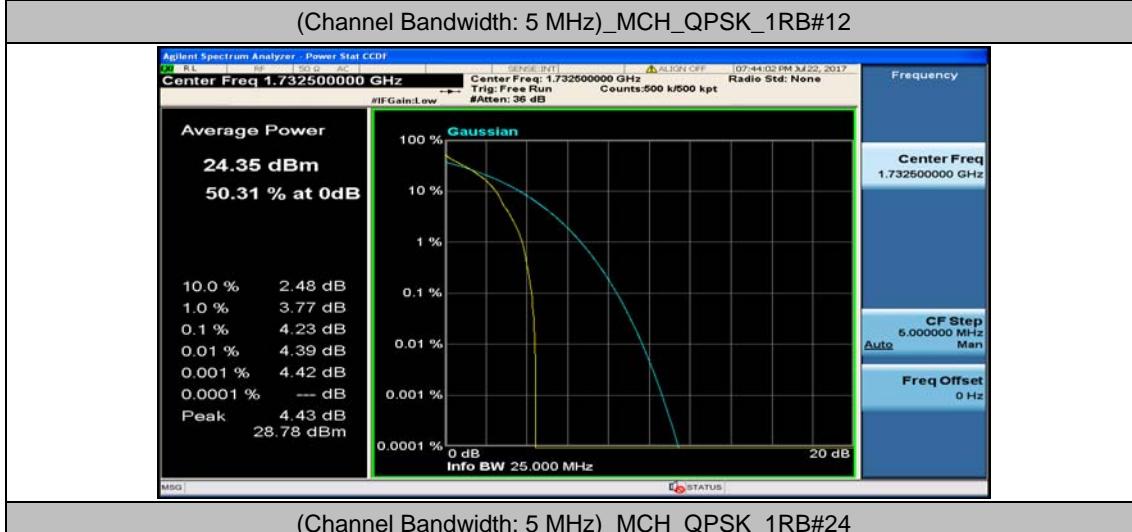
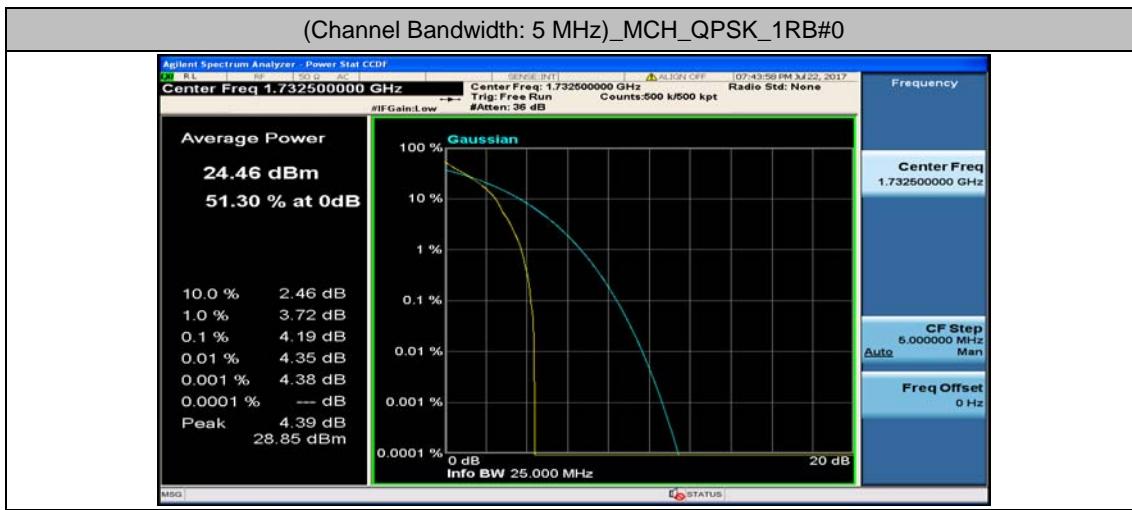
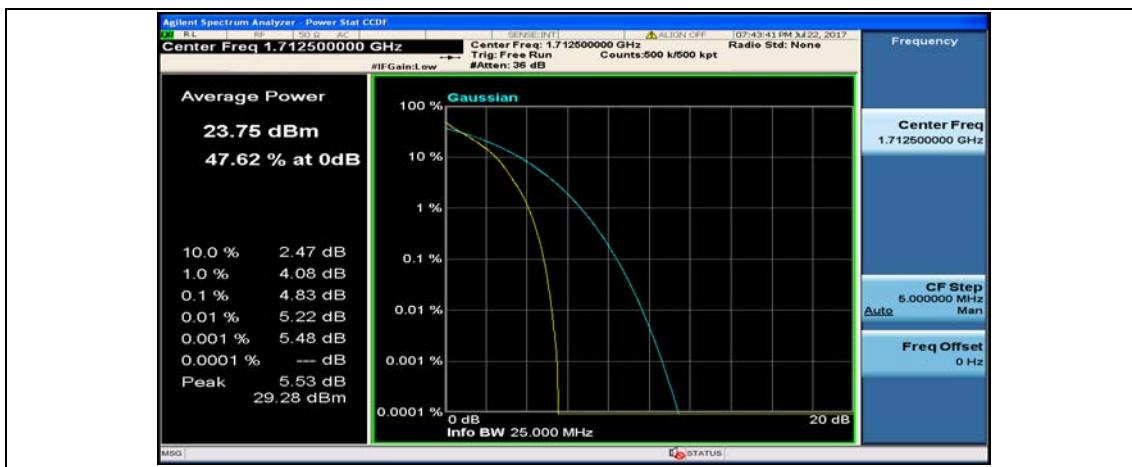


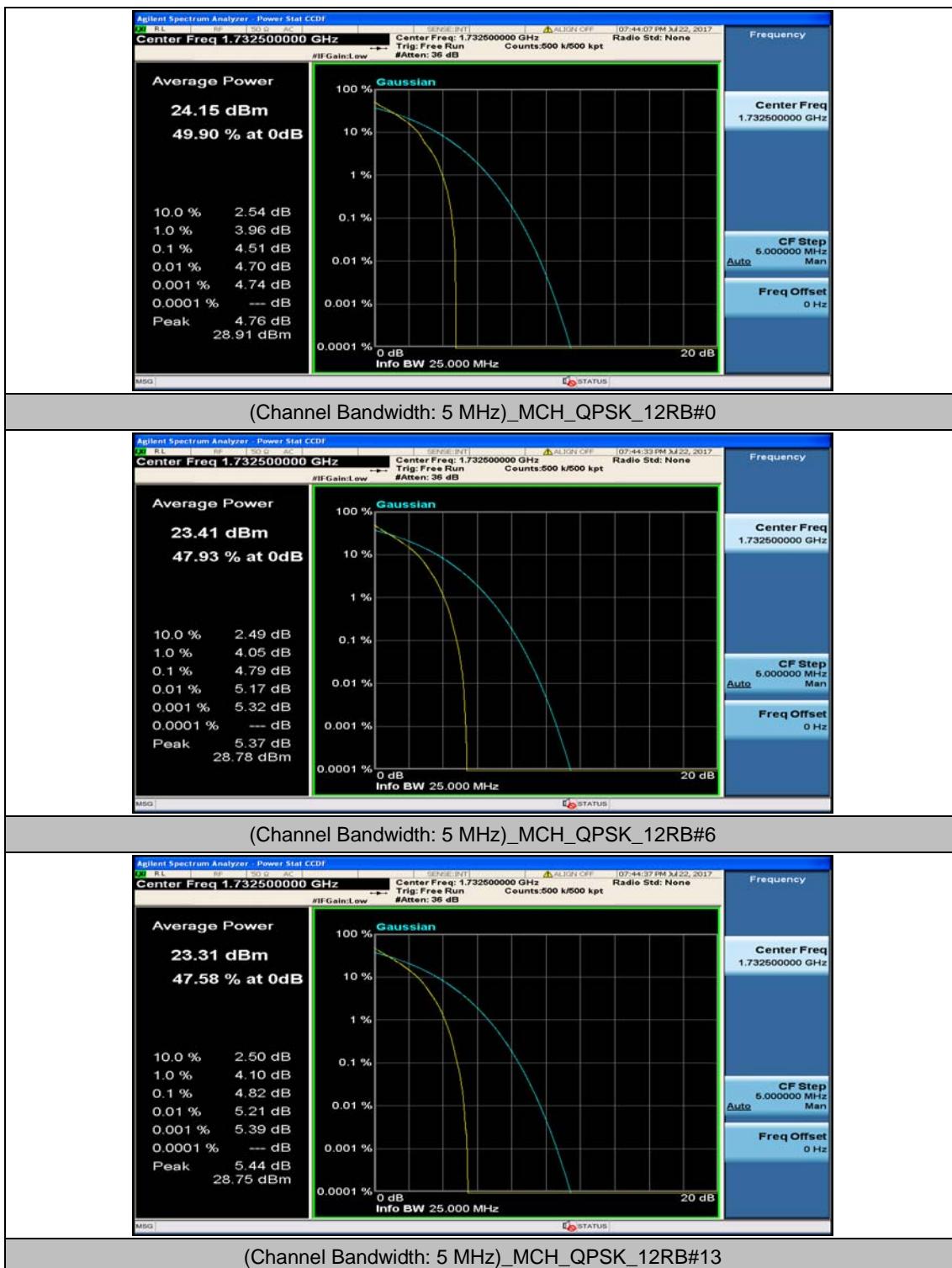
## Channel Bandwidth: 5 MHz

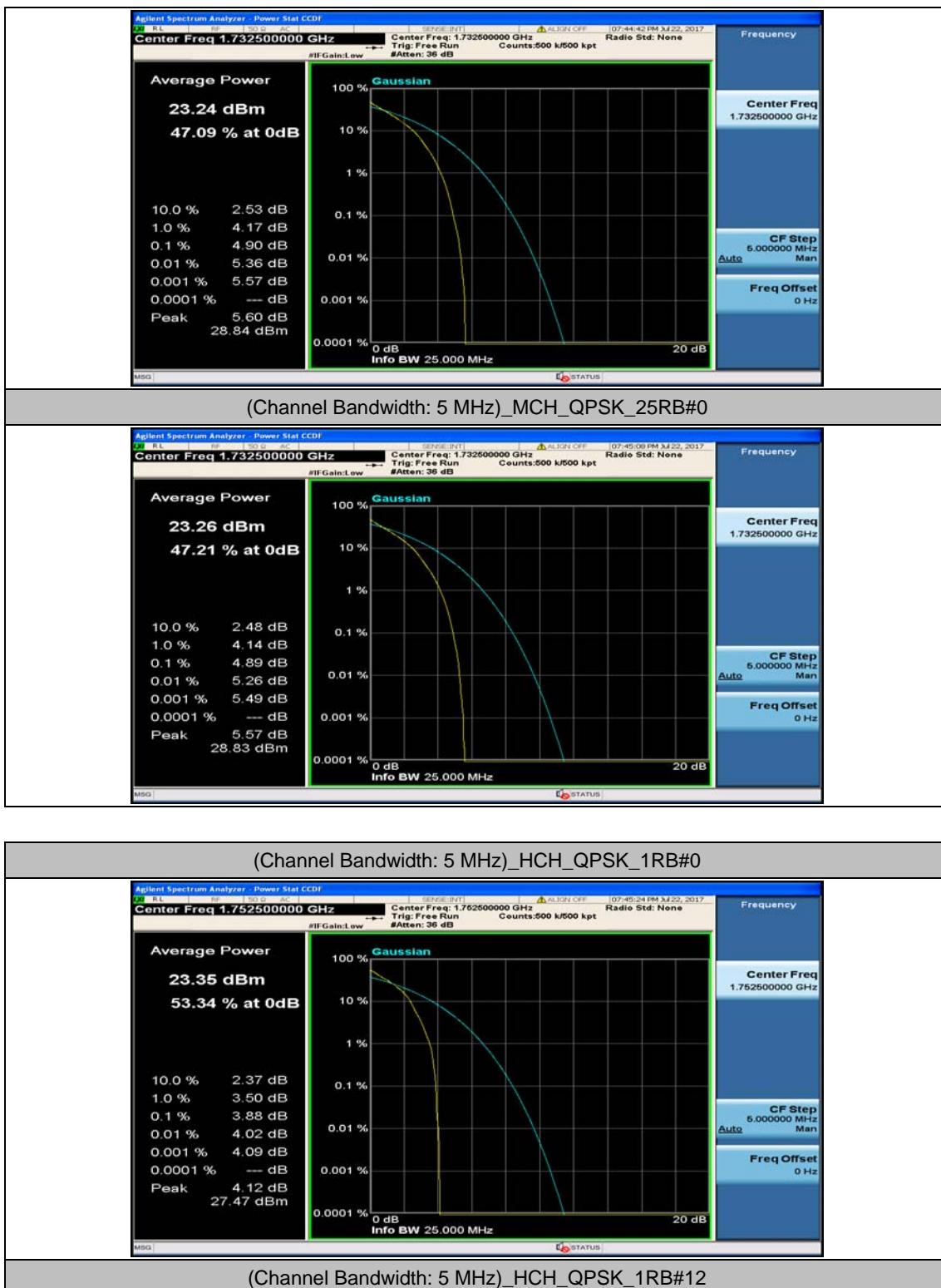
**(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0**

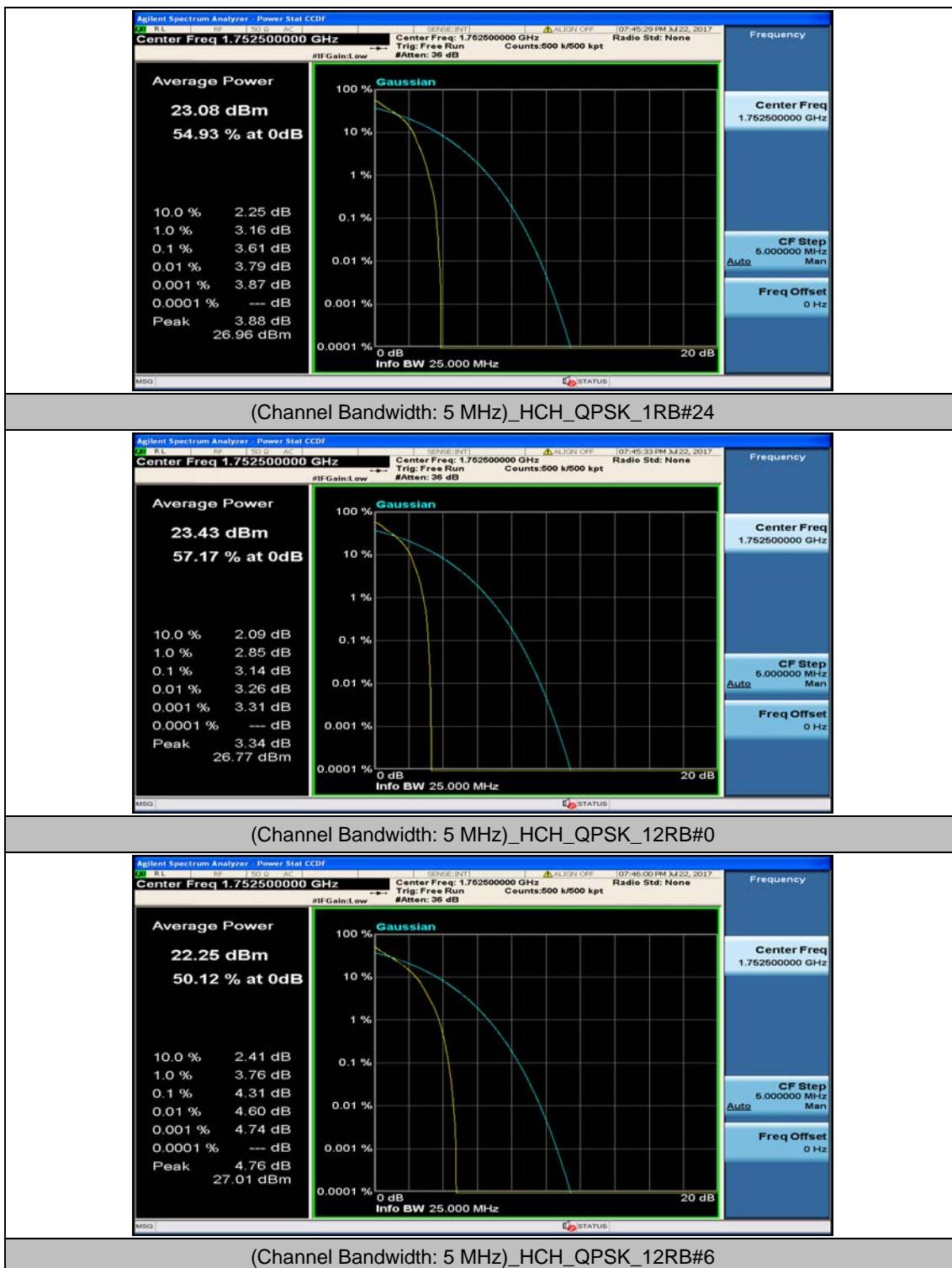


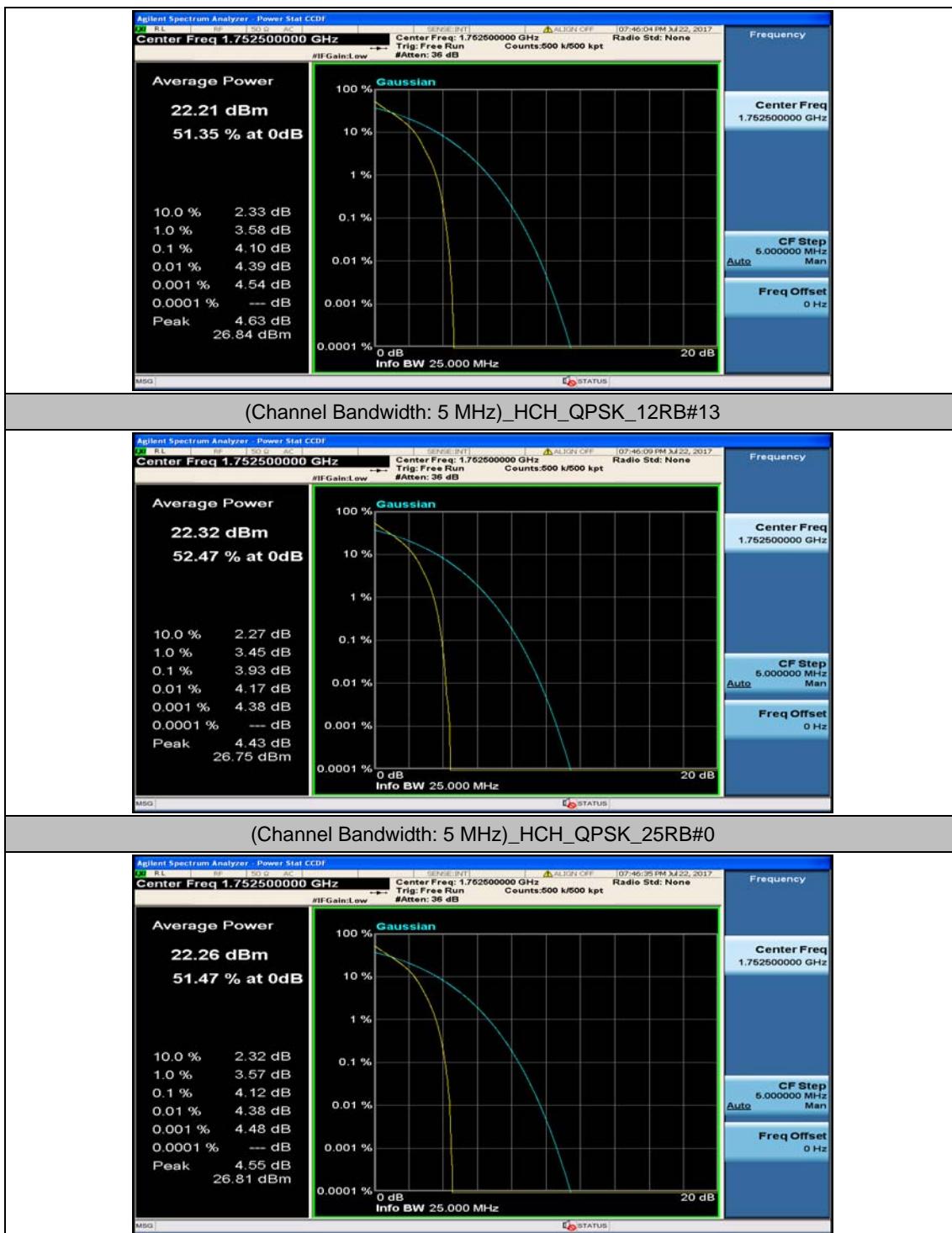


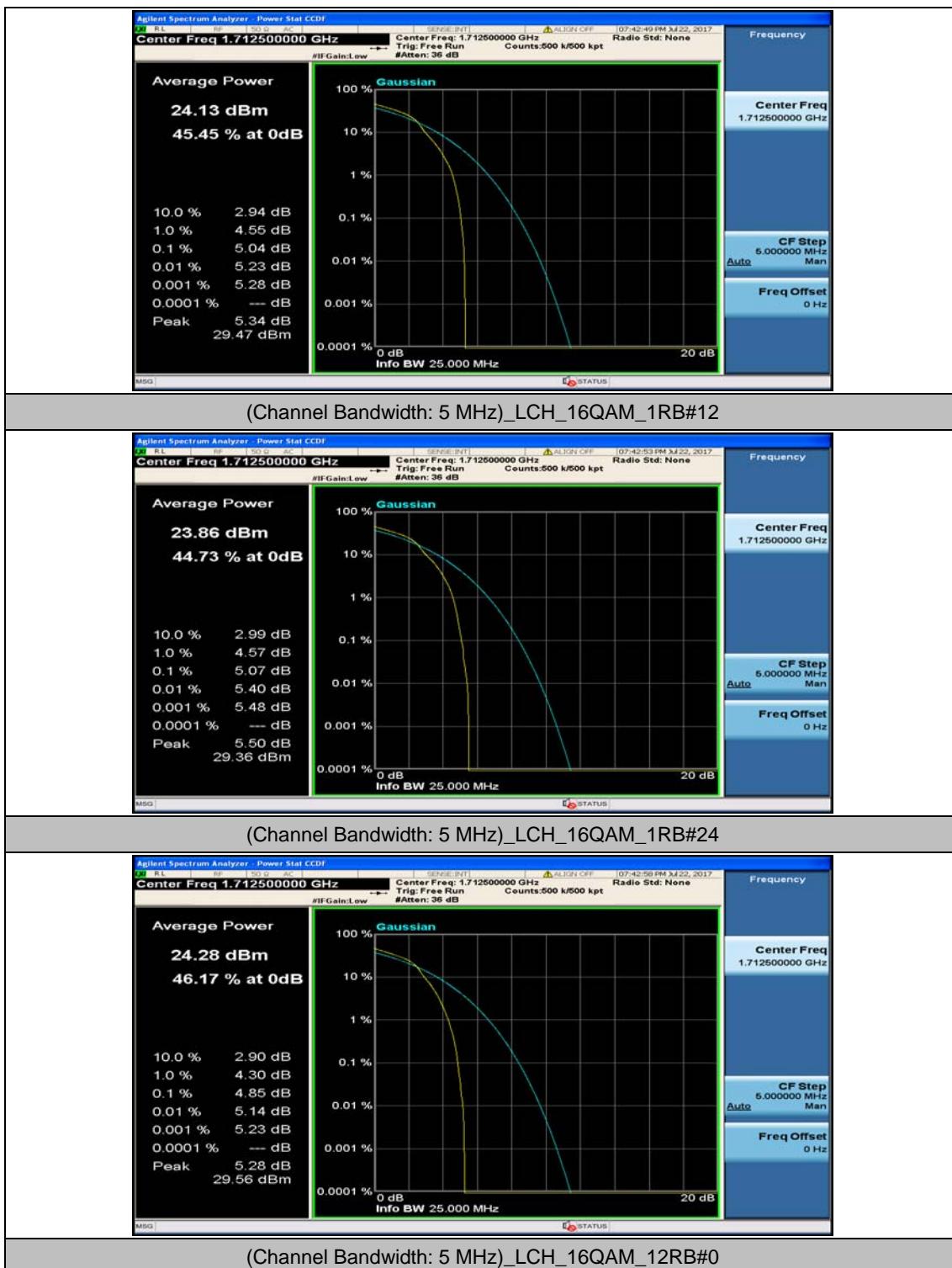


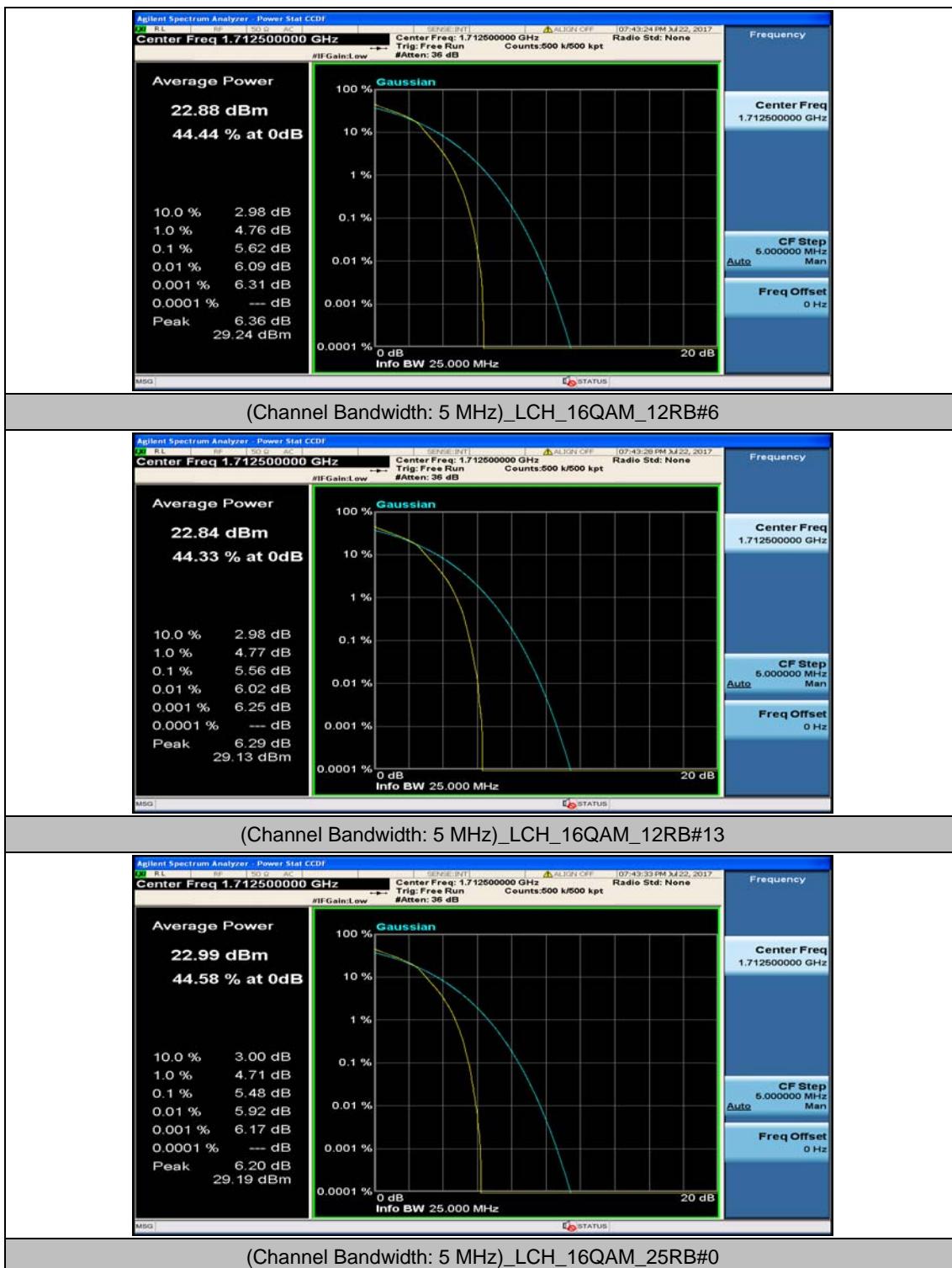


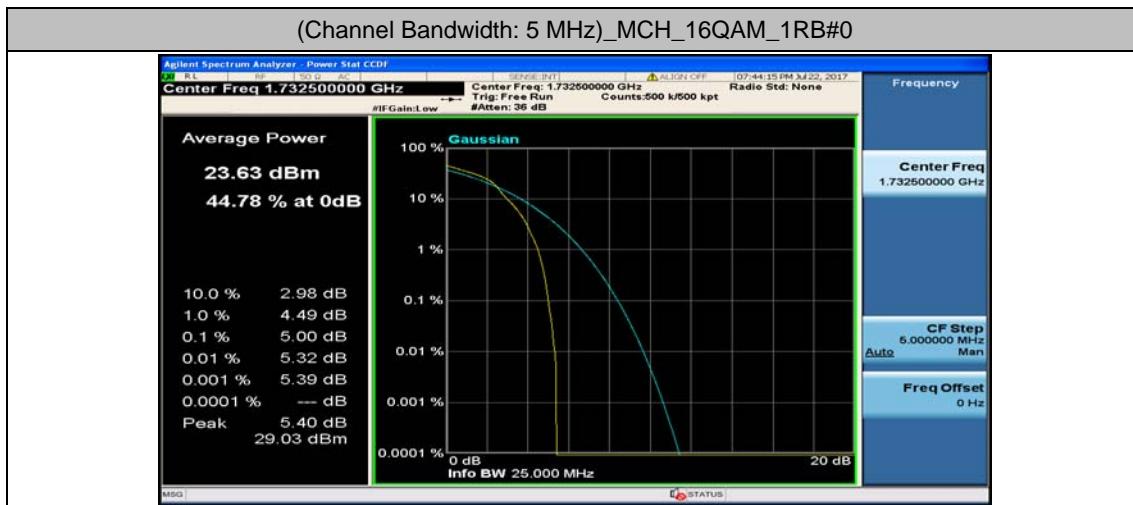
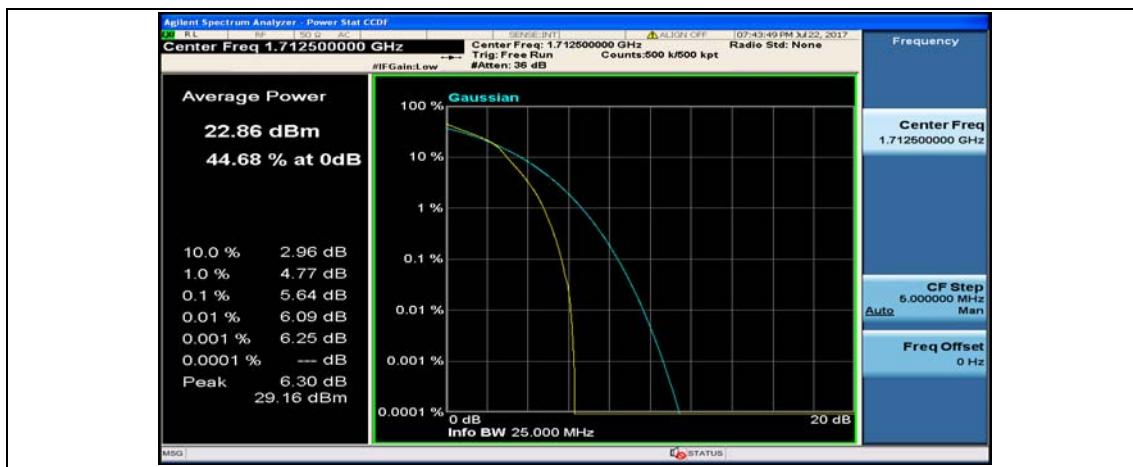












**(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24**

