

## 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	23.28	PASS
		1	3	23.13	PASS
		1	5	23.00	PASS
		3	0	23.11	PASS
		3	2	23.08	PASS
		3	3	23.10	PASS
		6	0	22.07	PASS
	MCH	1	0	22.73	PASS
		1	3	22.84	PASS
		1	5	22.72	PASS
		3	0	22.79	PASS
		3	2	22.72	PASS
		3	3	22.78	PASS
		6	0	21.72	PASS
16QAM	LCH	1	0	23.04	PASS
		1	3	23.18	PASS
		1	5	23.07	PASS
		3	0	23.14	PASS
		3	2	23.10	PASS
		3	3	23.13	PASS
		6	0	22.05	PASS
	MCH	1	0	22.33	PASS
		1	3	22.51	PASS
		1	5	22.32	PASS
		3	0	22.30	PASS
		3	2	22.23	PASS
		3	3	22.26	PASS
		6	0	21.10	PASS

		3	3	21.83	PASS
		6	0	20.67	PASS
HCH	HCH	1	0	22.35	PASS
		1	3	22.54	PASS
		1	5	22.41	PASS
		3	0	22.19	PASS
		3	2	22.17	PASS
		3	3	22.22	PASS
		6	0	21.22	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.05	PASS
		1	7	23.13	PASS
		1	14	22.97	PASS
		8	0	22.08	PASS
		8	4	22.04	PASS
		8	7	22.03	PASS
		15	0	22.05	PASS
	MCH	1	0	22.66	PASS
		1	7	22.80	PASS
		1	14	22.71	PASS
		8	0	21.75	PASS
		8	4	21.75	PASS
		8	7	21.74	PASS
		15	0	21.76	PASS
	HCH	1	0	22.99	PASS
		1	7	23.12	PASS
		1	14	23.05	PASS
		8	0	22.04	PASS
		8	4	22.04	PASS
		8	7	22.05	PASS
		15	0	22.02	PASS
16QAM	LCH	1	0	22.38	PASS
		1	7	22.46	PASS
		1	14	22.28	PASS
		8	0	21.20	PASS
		8	4	21.20	PASS
		8	7	21.16	PASS
		15	0	21.13	PASS
	MCH	1	0	22.00	PASS

		1	7	22.14	PASS
		1	14	22.02	PASS
		8	0	20.83	PASS
		8	4	20.84	PASS
		8	7	20.83	PASS
		15	0	20.75	PASS
	HCH	1	0	22.43	PASS
		1	7	22.58	PASS
		1	14	22.47	PASS
		8	0	21.04	PASS
		8	4	21.05	PASS
		8	7	21.08	PASS
		15	0	21.04	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.16	PASS
		1	12	23.22	PASS
		1	24	23.04	PASS
		12	0	22.16	PASS
		12	6	22.11	PASS
		12	13	22.10	PASS
		25	0	22.08	PASS
	MCH	1	0	22.78	PASS
		1	12	22.86	PASS
		1	24	22.81	PASS
		12	0	21.81	PASS
		12	6	21.83	PASS
		12	13	21.84	PASS
		25	0	21.77	PASS
	HCH	1	0	23.03	PASS
		1	12	23.14	PASS
		1	24	23.11	PASS
		12	0	22.07	PASS
		12	6	22.09	PASS
		12	13	22.12	PASS
		25	0	22.03	PASS
16QAM	LCH	1	0	22.59	PASS
		1	12	22.66	PASS
		1	24	22.50	PASS
		12	0	21.39	PASS

		12	6	21.35	PASS
		12	13	21.34	PASS
		25	0	21.19	PASS
MCH	MCH	1	0	22.23	PASS
		1	12	22.36	PASS
		1	24	22.26	PASS
		12	0	20.98	PASS
		12	6	21.01	PASS
		12	13	21.01	PASS
		25	0	20.82	PASS
HCH	HCH	1	0	22.14	PASS
		1	12	22.24	PASS
		1	24	22.20	PASS
		12	0	21.13	PASS
		12	6	21.14	PASS
		12	13	21.17	PASS
		25	0	21.08	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.22	PASS
		1	24	23.08	PASS
		1	49	22.94	PASS
		25	0	22.14	PASS
		25	12	22.08	PASS
		25	25	22.00	PASS
		50	0	22.04	PASS
	MCH	1	0	22.77	PASS
		1	24	22.79	PASS
		1	49	22.84	PASS
		25	0	21.78	PASS
		25	12	21.80	PASS
		25	25	21.79	PASS
		50	0	21.79	PASS
	HCH	1	0	22.91	PASS
		1	24	22.99	PASS
		1	49	23.10	PASS
		25	0	21.95	PASS
		25	12	21.98	PASS
		25	25	22.02	PASS
		50	0	21.97	PASS

16QAM	LCH	1	0	22.55	PASS
		1	24	22.41	PASS
		1	49	22.28	PASS
		25	0	21.25	PASS
		25	12	21.16	PASS
		25	25	21.08	PASS
		50	0	21.13	PASS
	MCH	1	0	22.13	PASS
		1	24	22.14	PASS
		1	49	22.14	PASS
		25	0	20.81	PASS
		25	12	20.82	PASS
		25	25	20.83	PASS
		50	0	20.79	PASS
	HCH	1	0	22.37	PASS
		1	24	22.47	PASS
		1	49	22.56	PASS
		25	0	21.00	PASS
		25	12	21.04	PASS
		25	25	21.09	PASS
		50	0	21.02	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.20	PASS
		1	37	23.09	PASS
		1	74	22.83	PASS
		37	0	22.12	PASS
		37	18	22.03	PASS
		37	38	21.91	PASS
		75	0	22.00	PASS
	MCH	1	0	22.79	PASS
		1	37	22.89	PASS
		1	74	22.82	PASS
		37	0	21.77	PASS
		37	18	21.80	PASS
		37	38	21.81	PASS
		75	0	21.80	PASS
	HCH	1	0	22.80	PASS
		1	37	23.02	PASS
		1	74	23.06	PASS

		37	0	21.89	PASS
		37	18	21.98	PASS
		37	38	22.01	PASS
		75	0	21.97	PASS
16QAM	LCH	1	0	22.54	PASS
		1	37	22.43	PASS
		1	74	22.16	PASS
		37	0	21.19	PASS
		37	18	21.08	PASS
		37	38	20.98	PASS
		75	0	21.07	PASS
	MCH	1	0	22.14	PASS
		1	37	22.21	PASS
		1	74	22.15	PASS
		37	0	20.79	PASS
		37	18	20.82	PASS
		37	38	20.81	PASS
		75	0	20.81	PASS
	HCH	1	0	22.19	PASS
		1	37	22.39	PASS
		1	74	22.41	PASS
		37	0	20.92	PASS
		37	18	21.03	PASS
		37	38	21.07	PASS
		75	0	20.98	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	49	22.99	PASS
		1	99	22.93	PASS
		50	0	22.03	PASS
		50	25	21.92	PASS
		50	50	21.84	PASS
		100	0	21.91	PASS
	MCH	1	0	22.93	PASS
		1	49	22.91	PASS
		1	99	22.98	PASS
		50	0	21.79	PASS
		50	25	21.79	PASS
		50	50	21.81	PASS

		100	0	21.81	PASS
HCH	HCH	1	0	22.86	PASS
		1	49	22.95	PASS
		1	99	23.14	PASS
		50	0	21.84	PASS
		50	25	21.92	PASS
		50	50	22.01	PASS
		100	0	21.93	PASS
16QAM	LCH	1	0	22.52	PASS
		1	49	22.24	PASS
		1	99	22.15	PASS
		50	0	21.11	PASS
		50	25	20.95	PASS
		50	50	20.91	PASS
		100	0	20.99	PASS
	MCH	1	0	22.15	PASS
		1	49	22.15	PASS
		1	99	22.19	PASS
		50	0	20.84	PASS
		50	25	20.78	PASS
		50	50	20.81	PASS
		100	0	20.81	PASS
	HCH	1	0	22.26	PASS
		1	49	22.39	PASS
		1	99	22.53	PASS
		50	0	20.89	PASS
		50	25	20.97	PASS
		50	50	21.05	PASS
		100	0	20.93	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	5.98	<13	PASS
		1	3	5.59	<13	PASS
		1	5	5.87	<13	PASS
		3	0	5.89	<13	PASS
		3	2	5.78	<13	PASS
		3	3	5.91	<13	PASS
		6	0	6.09	<13	PASS
	MCH	1	0	5.4	<13	PASS
		1	3	5.53	<13	PASS
		1	5	5.53	<13	PASS
		3	0	5.78	<13	PASS
		3	2	5.72	<13	PASS
		3	3	5.68	<13	PASS
		6	0	5.93	<13	PASS
16QAM	LCH	1	0	5.59	<13	PASS
		1	3	5.43	<13	PASS
		1	5	5.57	<13	PASS
		3	0	5.71	<13	PASS
		3	2	5.67	<13	PASS
		3	3	5.66	<13	PASS
		6	0	5.84	<13	PASS
	MCH	1	0	6.51	<13	PASS
		1	3	6.5	<13	PASS
		1	5	6.63	<13	PASS
		3	0	6.72	<13	PASS
		3	2	6.77	<13	PASS
		3	3	6.83	<13	PASS
		6	0	6.95	<13	PASS

		3	2	6.69	<13	PASS
		3	3	6.72	<13	PASS
		6	0	6.95	<13	PASS
HCH		1	0	6.44	<13	PASS
		1	3	6.18	<13	PASS
		1	5	6.22	<13	PASS
		3	0	6.39	<13	PASS
		3	2	6.5	<13	PASS
		3	3	6.38	<13	PASS
		6	0	6.65	<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	5.71	<13	PASS
		1	7	5.87	<13	PASS
		1	14	5.92	<13	PASS
		8	0	6.03	<13	PASS
		8	4	6.19	<13	PASS
		8	7	6.11	<13	PASS
		15	0	6.09	<13	PASS
	MCH	1	0	5.7	<13	PASS
		1	7	5.67	<13	PASS
		1	14	5.77	<13	PASS
		8	0	6.08	<13	PASS
		8	4	6.19	<13	PASS
		8	7	6.12	<13	PASS
		15	0	6.08	<13	PASS
	HCH	1	0	5.51	<13	PASS
		1	7	5.36	<13	PASS
		1	14	5.33	<13	PASS
		8	0	5.9	<13	PASS
		8	4	5.87	<13	PASS
		8	7	5.9	<13	PASS
		15	0	5.89	<13	PASS
16QAM	LCH	1	0	6.68	<13	PASS
		1	7	6.75	<13	PASS
		1	14	6.91	<13	PASS
		8	0	6.77	<13	PASS
		8	4	6.69	<13	PASS

		8	7	6.69	<13	PASS
		15	0	6.95	<13	PASS
MCH		1	0	6.72	<13	PASS
		1	7	6.63	<13	PASS
		1	14	6.75	<13	PASS
		8	0	6.68	<13	PASS
		8	4	6.81	<13	PASS
		8	7	6.67	<13	PASS
		15	0	6.86	<13	PASS
HCH		1	0	6.27	<13	PASS
		1	7	6.14	<13	PASS
		1	14	6.11	<13	PASS
		8	0	6.51	<13	PASS
		8	4	6.47	<13	PASS
		8	7	6.54	<13	PASS
		15	0	6.77	<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	5.2	<13	PASS
		1	12	5.47	<13	PASS
		1	24	5.46	<13	PASS
		12	0	6.07	<13	PASS
		12	6	6.01	<13	PASS
		12	13	6.13	<13	PASS
		25	0	6.12	<13	PASS
	MCH	1	0	5.27	<13	PASS
		1	12	5.5	<13	PASS
		1	24	5.67	<13	PASS
		12	0	5.93	<13	PASS
		12	6	5.91	<13	PASS
		12	13	6.05	<13	PASS
		25	0	6.06	<13	PASS
	HCH	1	0	5.74	<13	PASS
		1	12	5.67	<13	PASS
		1	24	5.54	<13	PASS
		12	0	5.88	<13	PASS
		12	6	5.85	<13	PASS
		12	13	5.9	<13	PASS

		25	0	5.9	<13	PASS
16QAM	LCH	1	0	6.49	<13	PASS
		1	12	6.45	<13	PASS
		1	24	6.52	<13	PASS
		12	0	6.86	<13	PASS
		12	6	6.78	<13	PASS
		12	13	6.87	<13	PASS
		25	0	6.87	<13	PASS
	MCH	1	0	6.42	<13	PASS
		1	12	6.38	<13	PASS
		1	24	6.37	<13	PASS
		12	0	6.8	<13	PASS
		12	6	6.77	<13	PASS
		12	13	6.84	<13	PASS
		25	0	6.83	<13	PASS
	HCH	1	0	6.33	<13	PASS
		1	12	6.3	<13	PASS
		1	24	6.15	<13	PASS
		12	0	6.88	<13	PASS
		12	6	6.91	<13	PASS
		12	13	6.92	<13	PASS
		25	0	6.64	<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	5.72	<13	PASS
		1	24	5.96	<13	PASS
		1	49	5.99	<13	PASS
		25	0	6	<13	PASS
		25	12	6.15	<13	PASS
		25	25	6.06	<13	PASS
		50	0	5.99	<13	PASS
	MCH	1	0	5.71	<13	PASS
		1	24	5.67	<13	PASS
		1	49	5.71	<13	PASS
		25	0	5.97	<13	PASS
		25	12	5.92	<13	PASS
		25	25	5.99	<13	PASS
		50	0	5.86	<13	PASS

		1	0	5.6	<13	PASS
	HCH	1	24	5.46	<13	PASS
		1	49	5.33	<13	PASS
		25	0	6.03	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.88	<13	PASS
		50	0	5.86	<13	PASS
		1	0	6.93	<13	PASS
	LCH	1	24	7.16	<13	PASS
		1	49	6.95	<13	PASS
		25	0	6.84	<13	PASS
		25	12	6.91	<13	PASS
		25	25	6.79	<13	PASS
		50	0	6.66	<13	PASS
		1	0	6.53	<13	PASS
	MCH	1	24	6.8	<13	PASS
		1	49	6.87	<13	PASS
		25	0	6.77	<13	PASS
		25	12	6.78	<13	PASS
		25	25	6.78	<13	PASS
		50	0	6.56	<13	PASS
		1	0	6.61	<13	PASS
	HCH	1	24	6.33	<13	PASS
		1	49	6.2	<13	PASS
		25	0	6.85	<13	PASS
		25	12	6.82	<13	PASS
		25	25	6.81	<13	PASS
		50	0	6.63	<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	5.8	<13	PASS
		1	37	5.83	<13	PASS
		1	74	5.85	<13	PASS
		37	0	6.01	<13	PASS
		37	18	6.04	<13	PASS
		37	38	6.03	<13	PASS
		75	0	6.32	<13	PASS
	MCH	1	0	5.72	<13	PASS

		1	37	5.68	<13	PASS
		1	74	5.97	<13	PASS
		37	0	5.92	<13	PASS
		37	18	5.88	<13	PASS
		37	38	5.92	<13	PASS
		75	0	6.17	<13	PASS
		1	0	5.95	<13	PASS
		1	37	5.71	<13	PASS
		1	74	5.61	<13	PASS
		37	0	5.94	<13	PASS
		37	18	5.91	<13	PASS
		37	38	5.85	<13	PASS
		75	0	6.18	<13	PASS
16QAM	LCH	1	0	6.76	<13	PASS
		1	37	7.13	<13	PASS
		1	74	6.78	<13	PASS
		37	0	6.75	<13	PASS
		37	18	6.79	<13	PASS
		37	38	6.79	<13	PASS
		75	0	6.78	<13	PASS
	MCH	1	0	6.7	<13	PASS
		1	37	6.73	<13	PASS
		1	74	6.7	<13	PASS
		37	0	6.66	<13	PASS
		37	18	6.64	<13	PASS
		37	38	6.72	<13	PASS
		75	0	6.67	<13	PASS
	HCH	1	0	6.95	<13	PASS
		1	37	6.69	<13	PASS
		1	74	6.55	<13	PASS
		37	0	6.84	<13	PASS
		37	18	6.82	<13	PASS
		37	38	6.69	<13	PASS
		75	0	6.69	<13	PASS

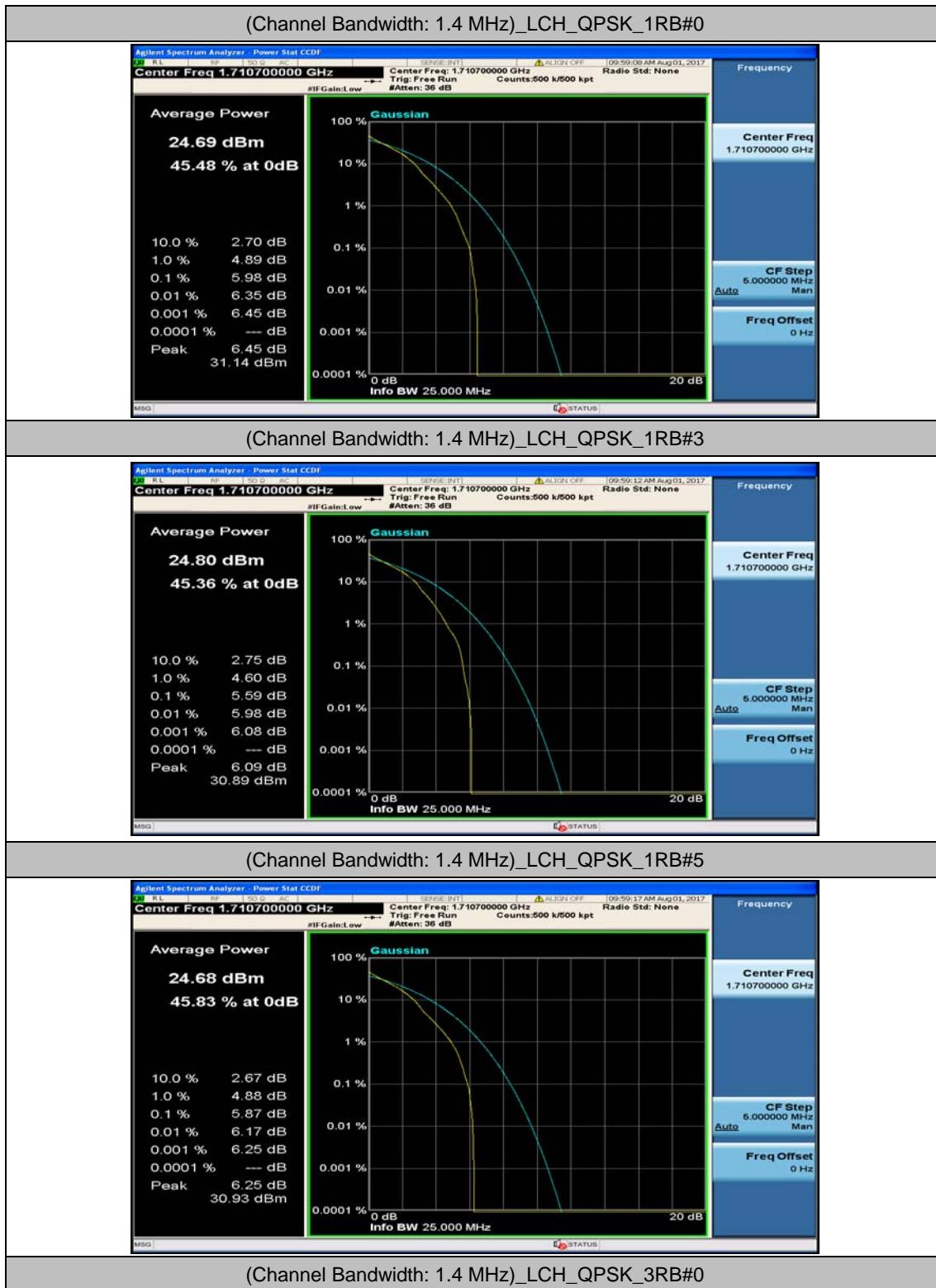
### Channel Bandwidth: 20 MHz

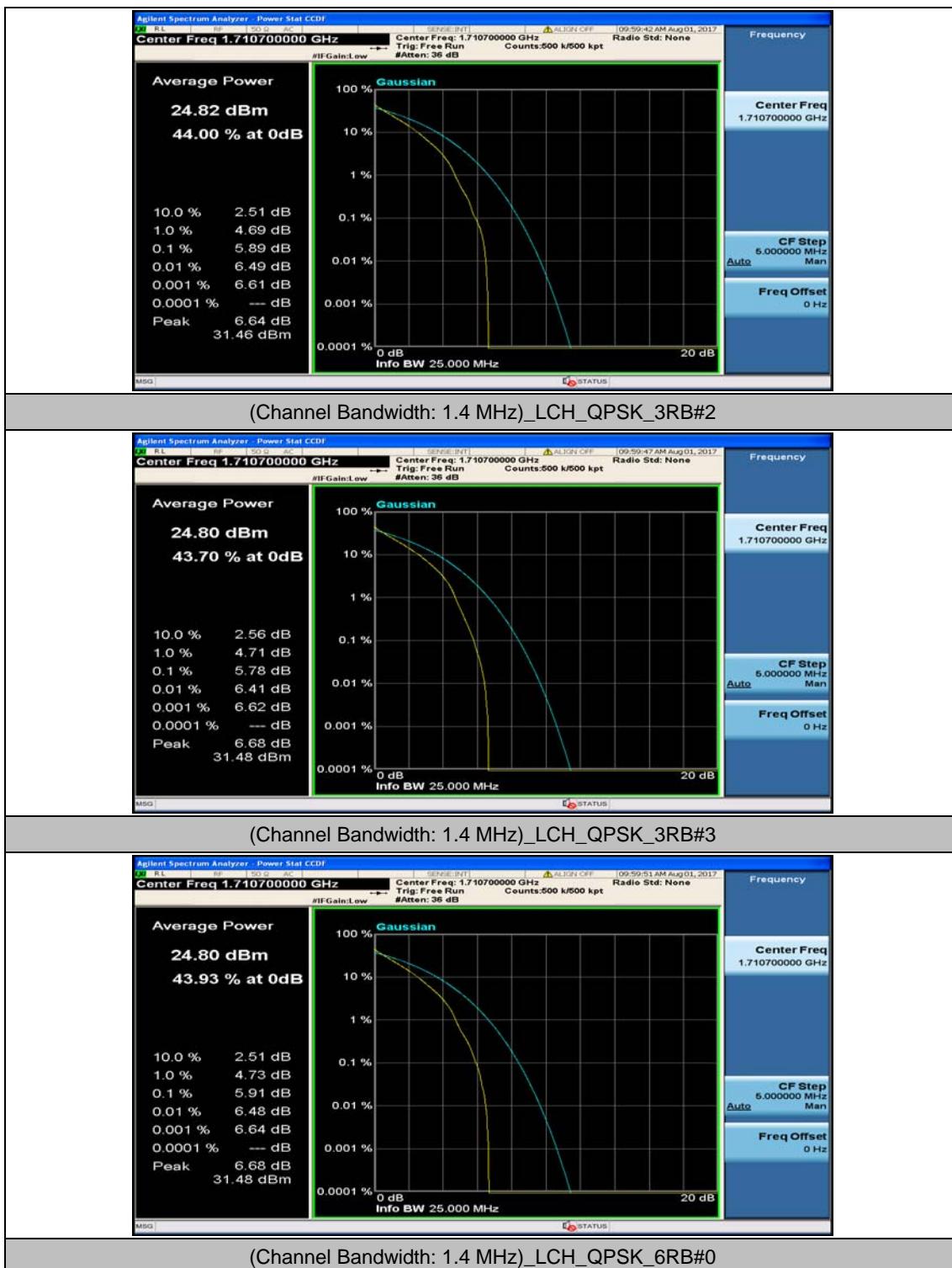
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.62	<13	PASS
		1	49	5.76	<13	PASS

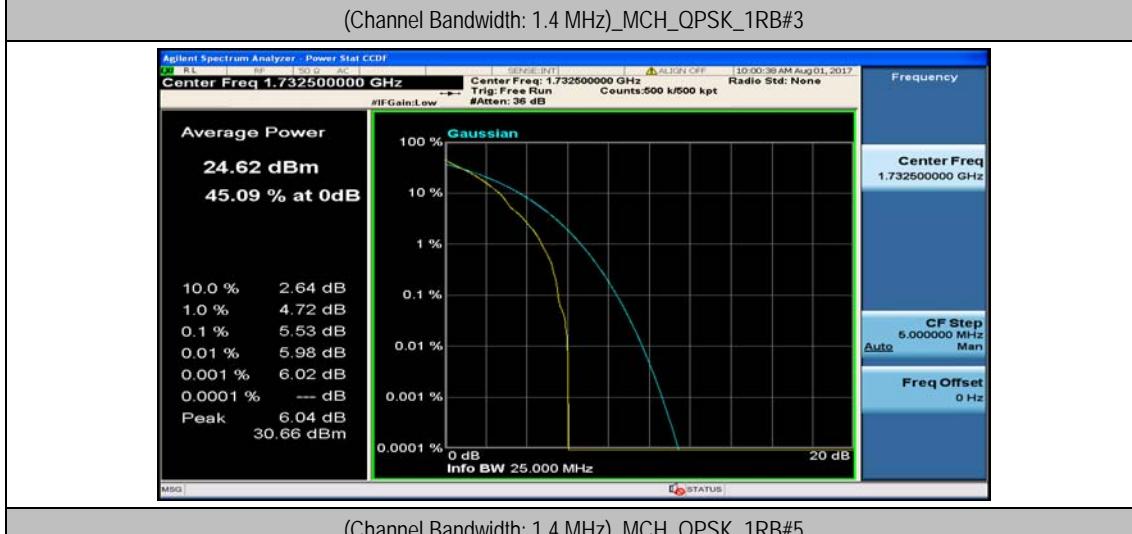
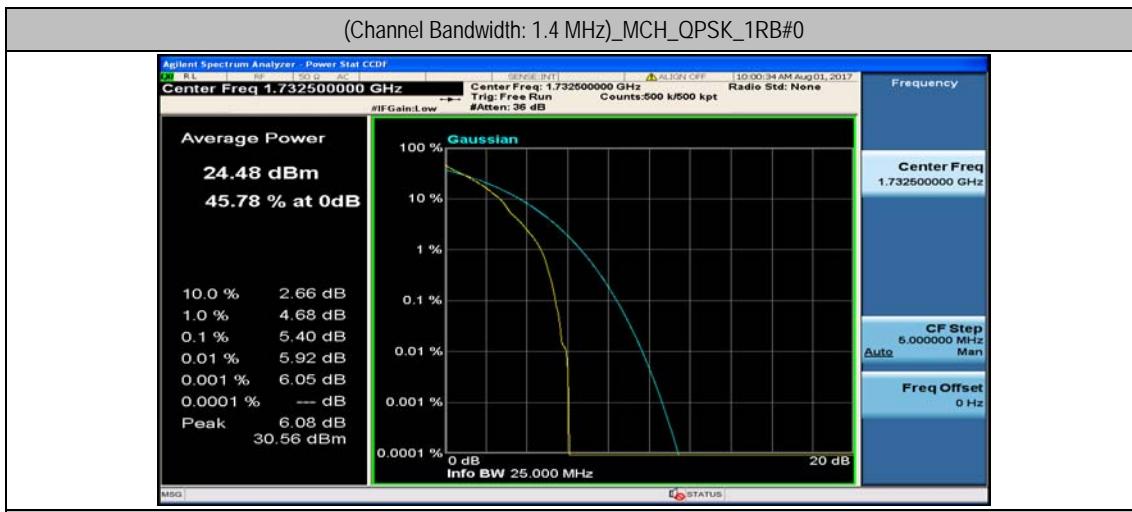
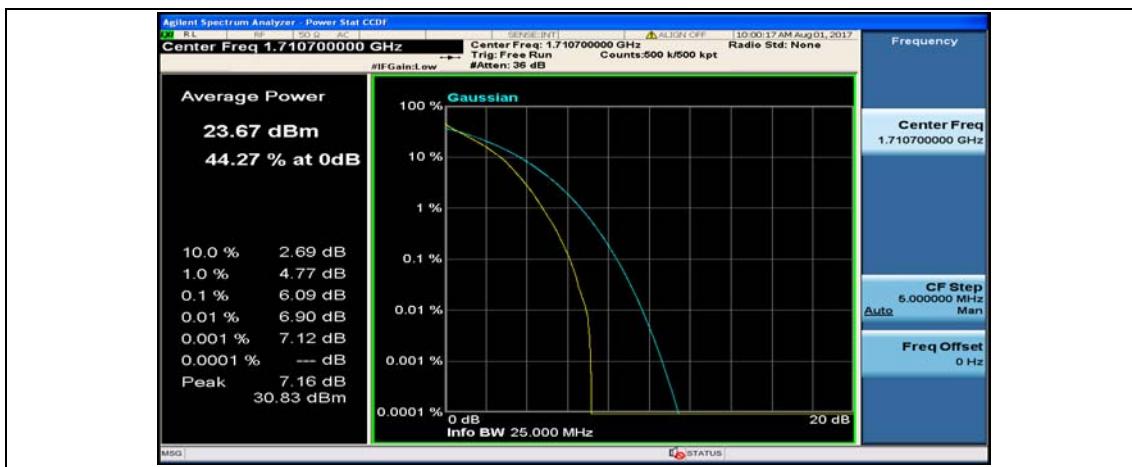
		1	99	5.36	<13	PASS
		50	0	6.01	<13	PASS
		50	25	6.03	<13	PASS
		50	50	5.87	<13	PASS
		100	0	5.96	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	49	5.43	<13	PASS
		1	99	5.71	<13	PASS
		50	0	5.84	<13	PASS
		50	25	5.86	<13	PASS
		50	50	5.9	<13	PASS
		100	0	5.81	<13	PASS
	HCH	1	0	5.84	<13	PASS
		1	49	5.81	<13	PASS
		1	99	5.64	<13	PASS
		50	0	5.95	<13	PASS
		50	25	6.02	<13	PASS
		50	50	5.93	<13	PASS
		100	0	5.98	<13	PASS
	LCH	1	0	6.91	<13	PASS
		1	49	6.79	<13	PASS
		1	99	6.07	<13	PASS
		50	0	6.75	<13	PASS
		50	25	6.83	<13	PASS
		50	50	6.69	<13	PASS
		100	0	6.67	<13	PASS
	MCH	1	0	6.99	<13	PASS
		1	49	6.56	<13	PASS
		1	99	6.98	<13	PASS
		50	0	6.66	<13	PASS
		50	25	6.66	<13	PASS
		50	50	6.74	<13	PASS
		100	0	6.59	<13	PASS
	HCH	1	0	6.6	<13	PASS
		1	49	6.61	<13	PASS
		1	99	6.32	<13	PASS
		50	0	6.68	<13	PASS
		50	25	6.78	<13	PASS
		50	50	6.63	<13	PASS
		100	0	6.65	<13	PASS

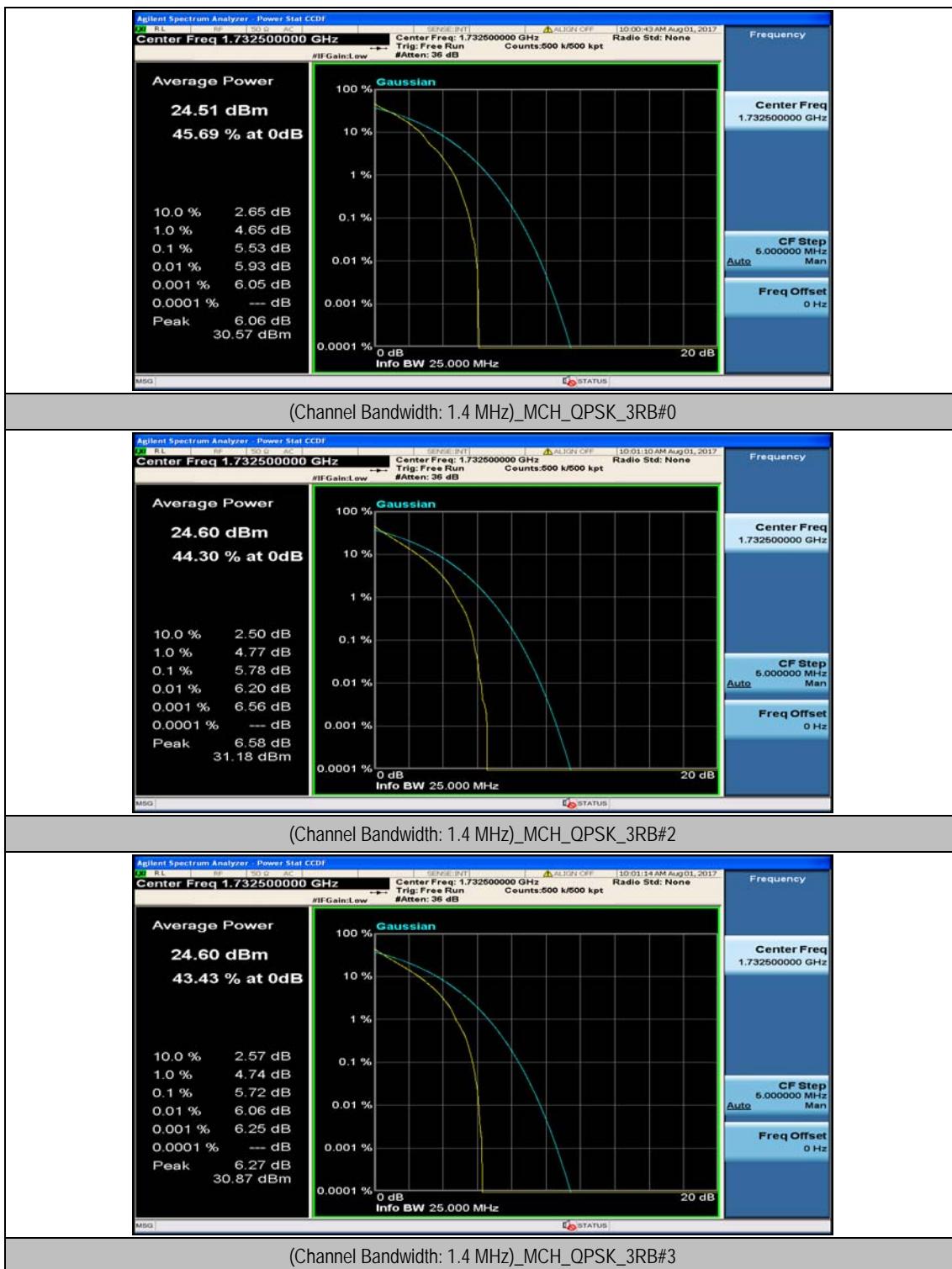
## Test Graphs

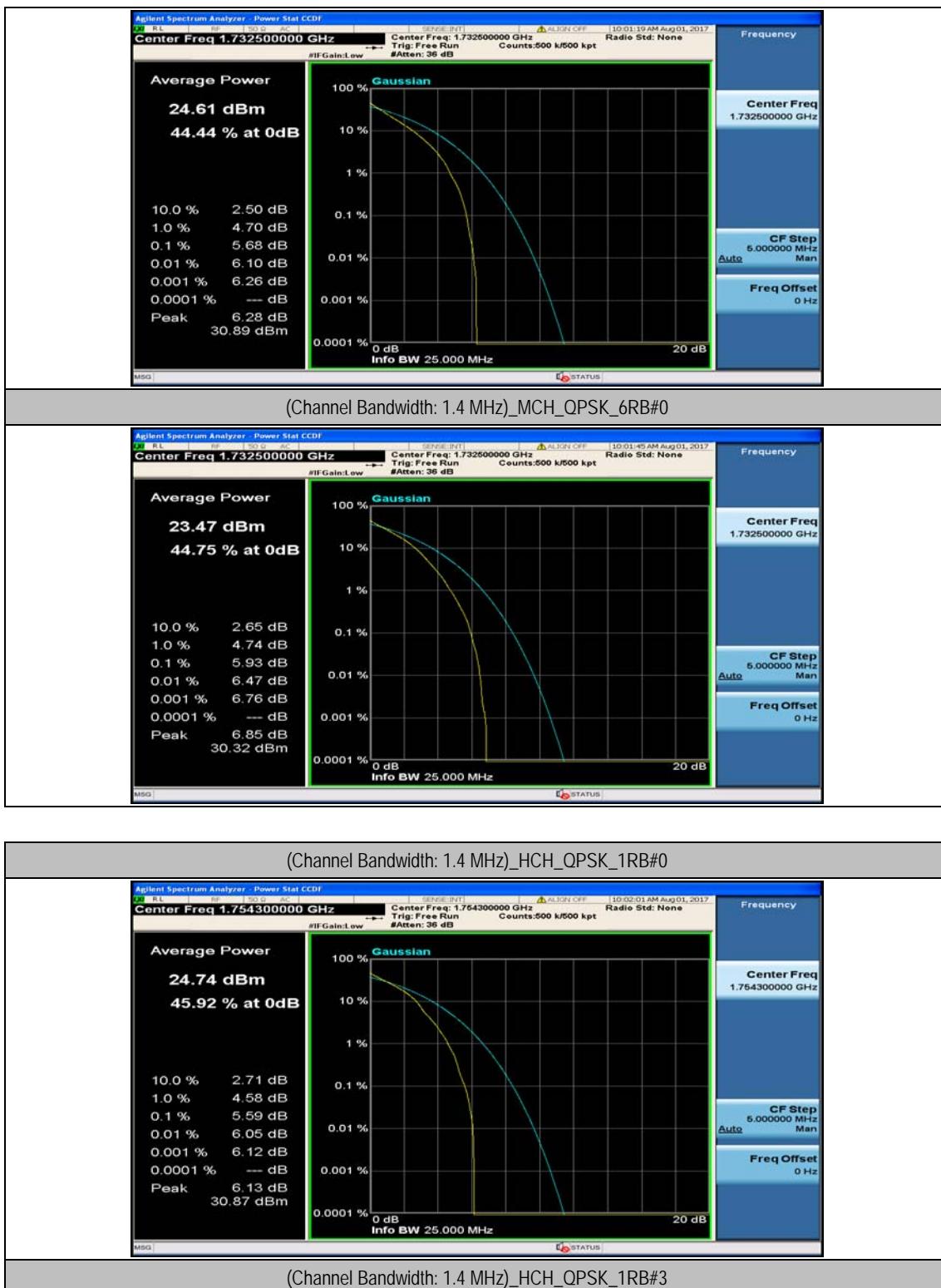
### Channel Bandwidth: 1.4 MHz

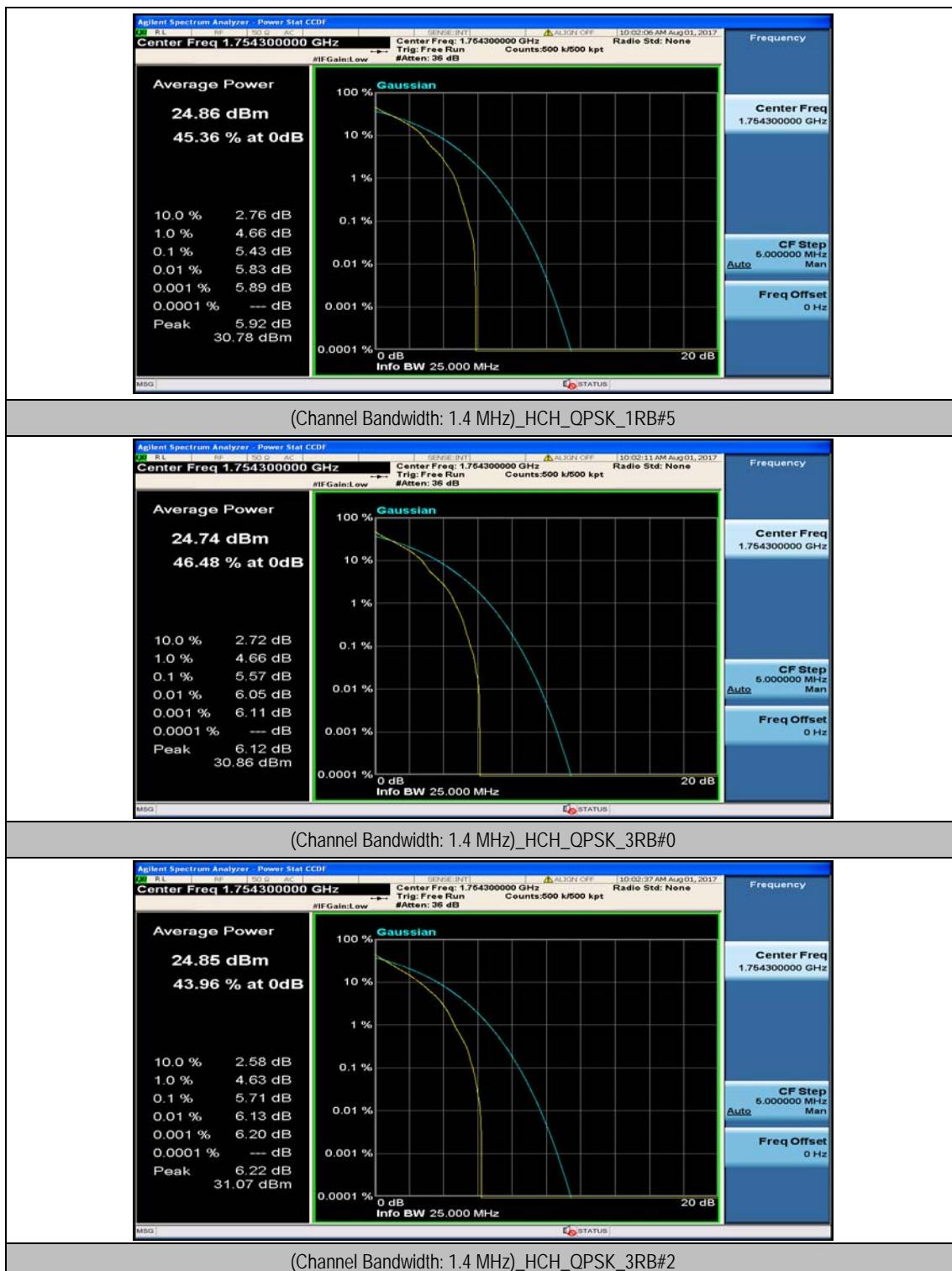


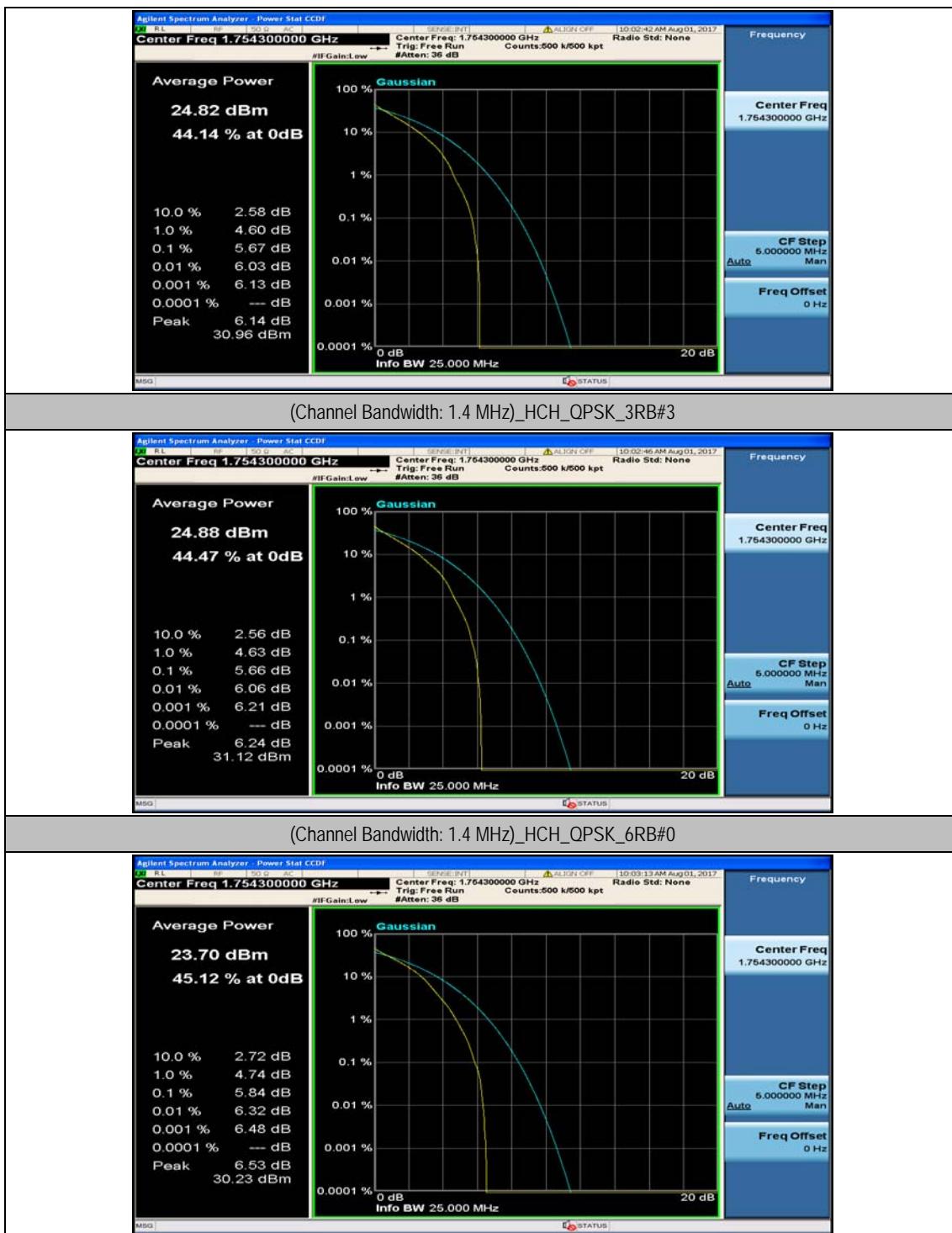


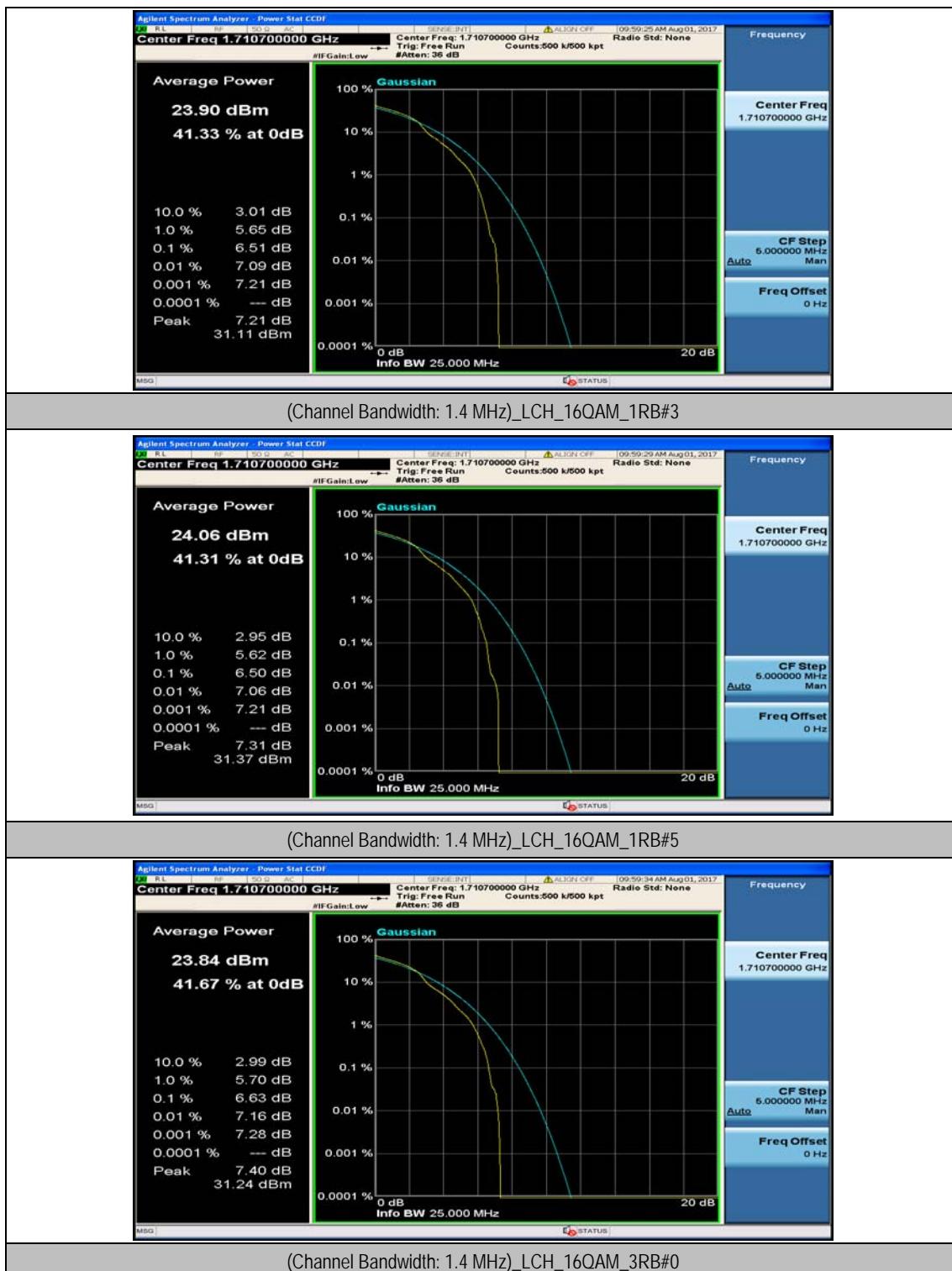


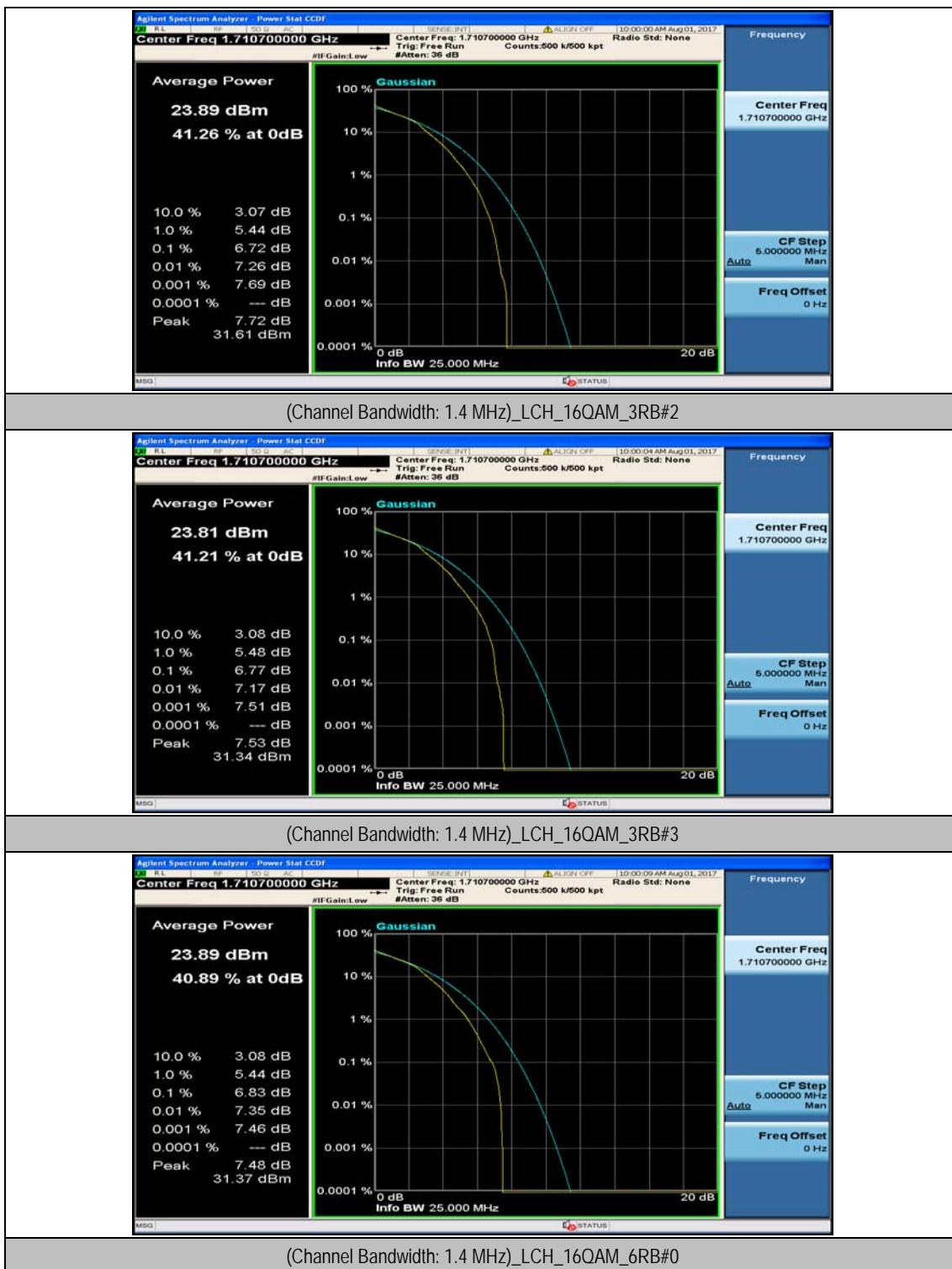


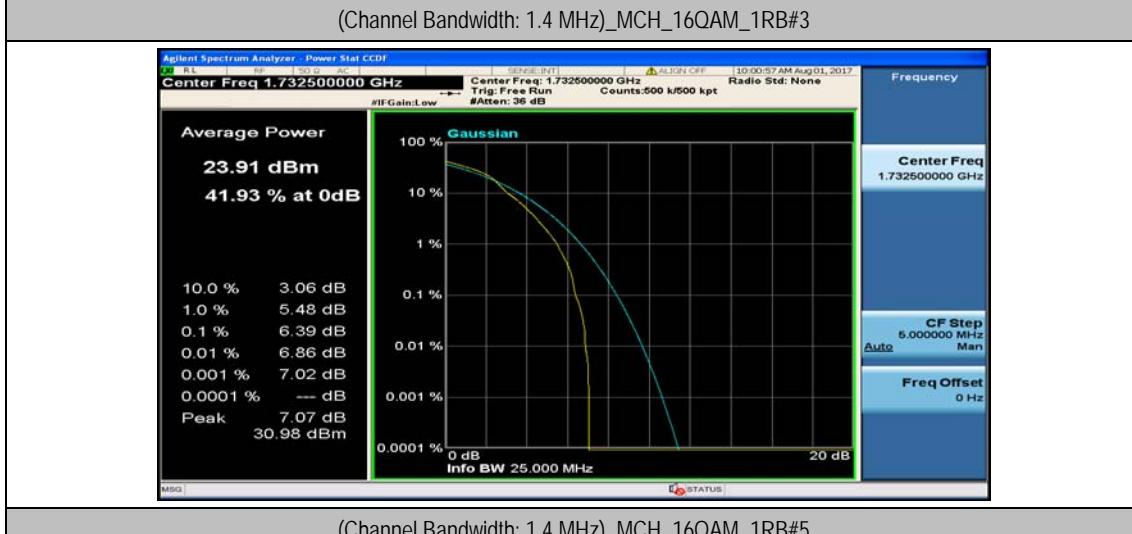
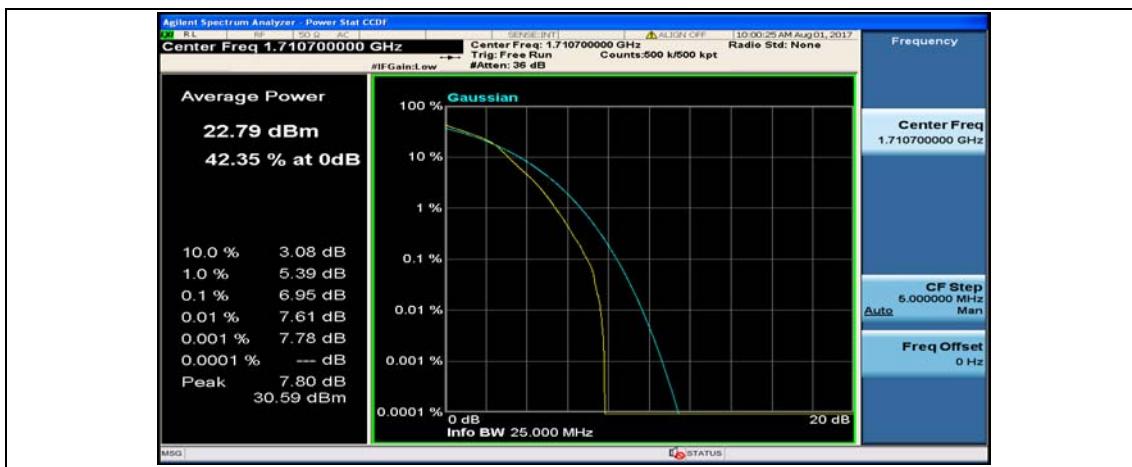


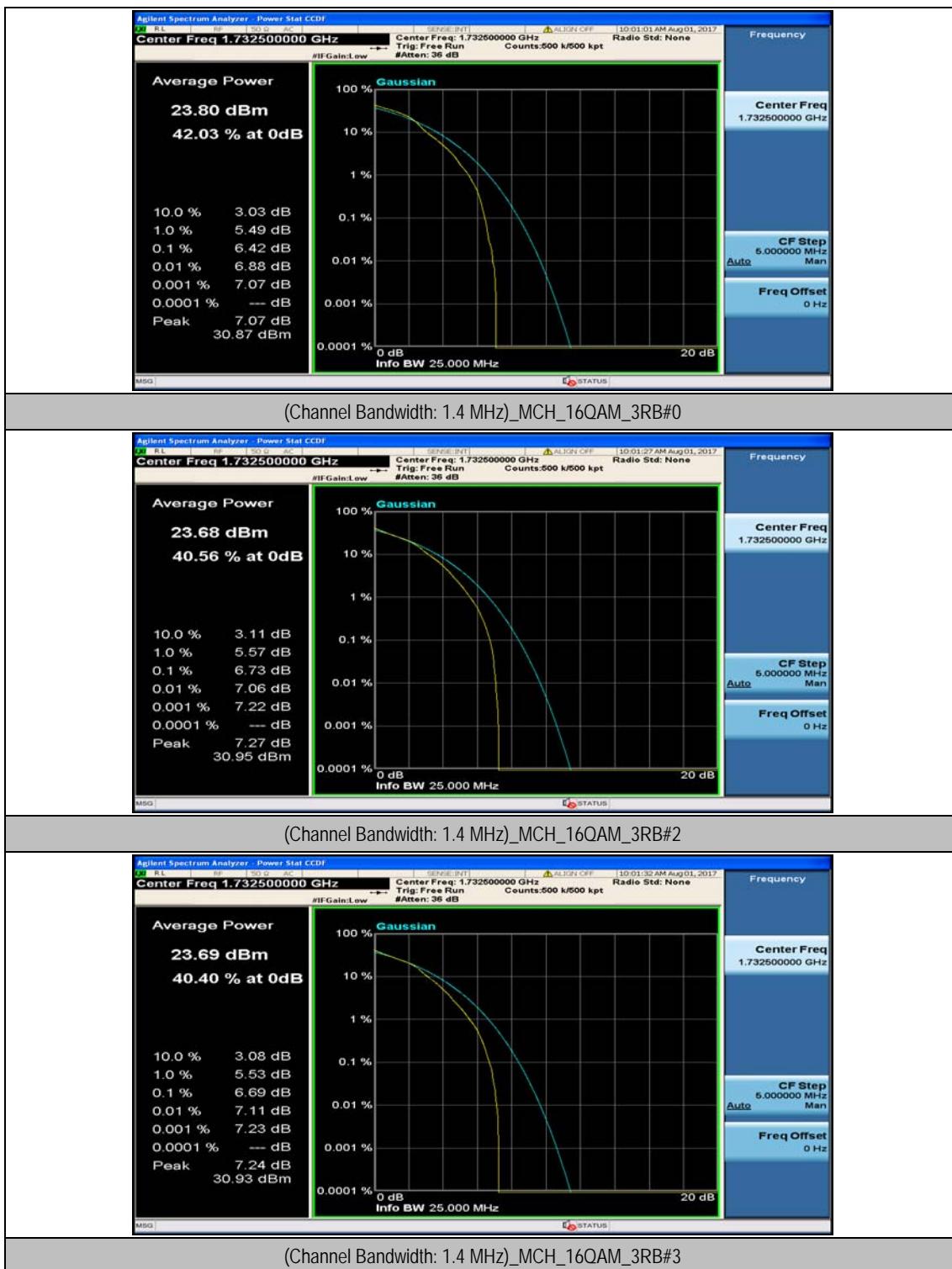


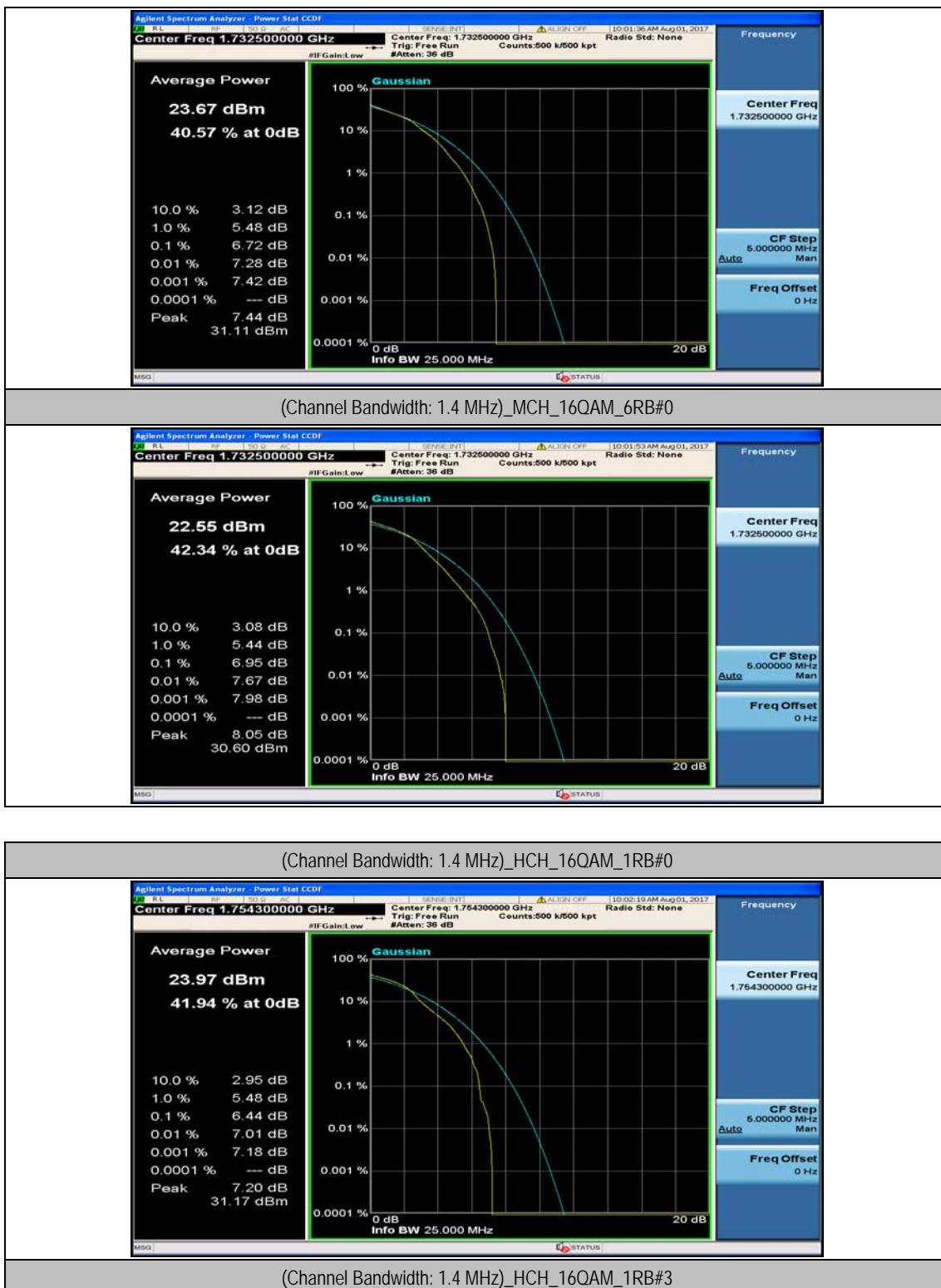


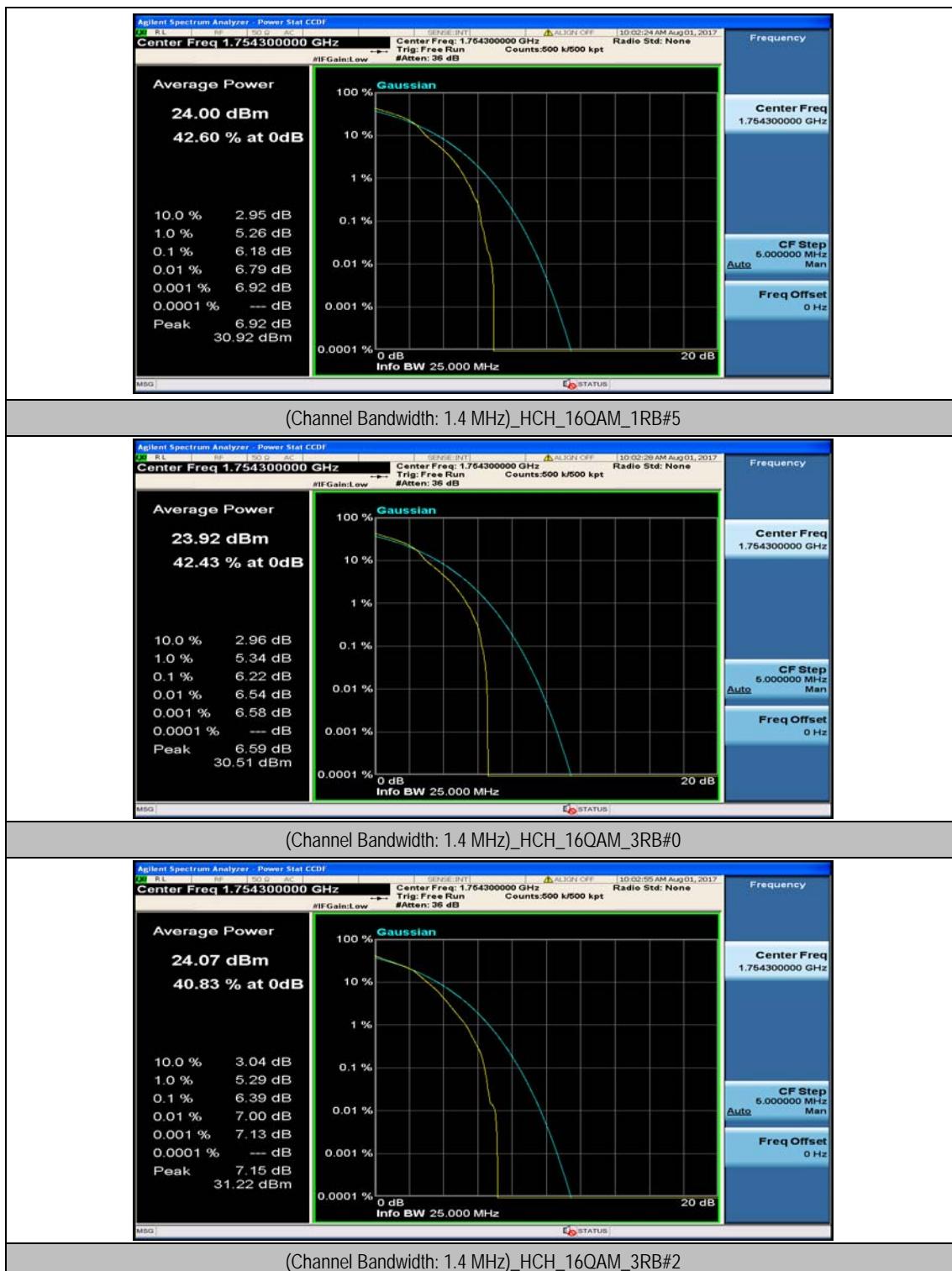


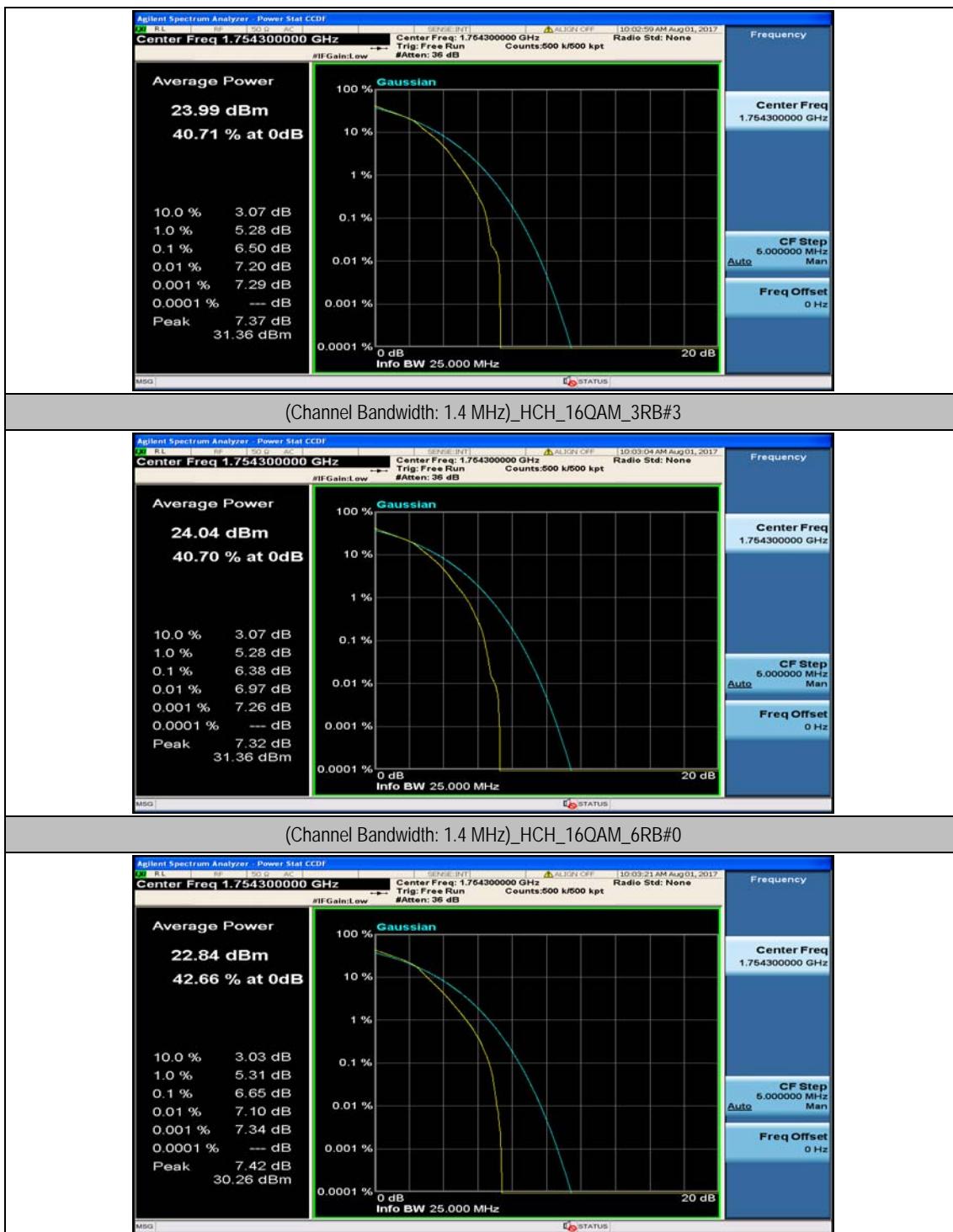






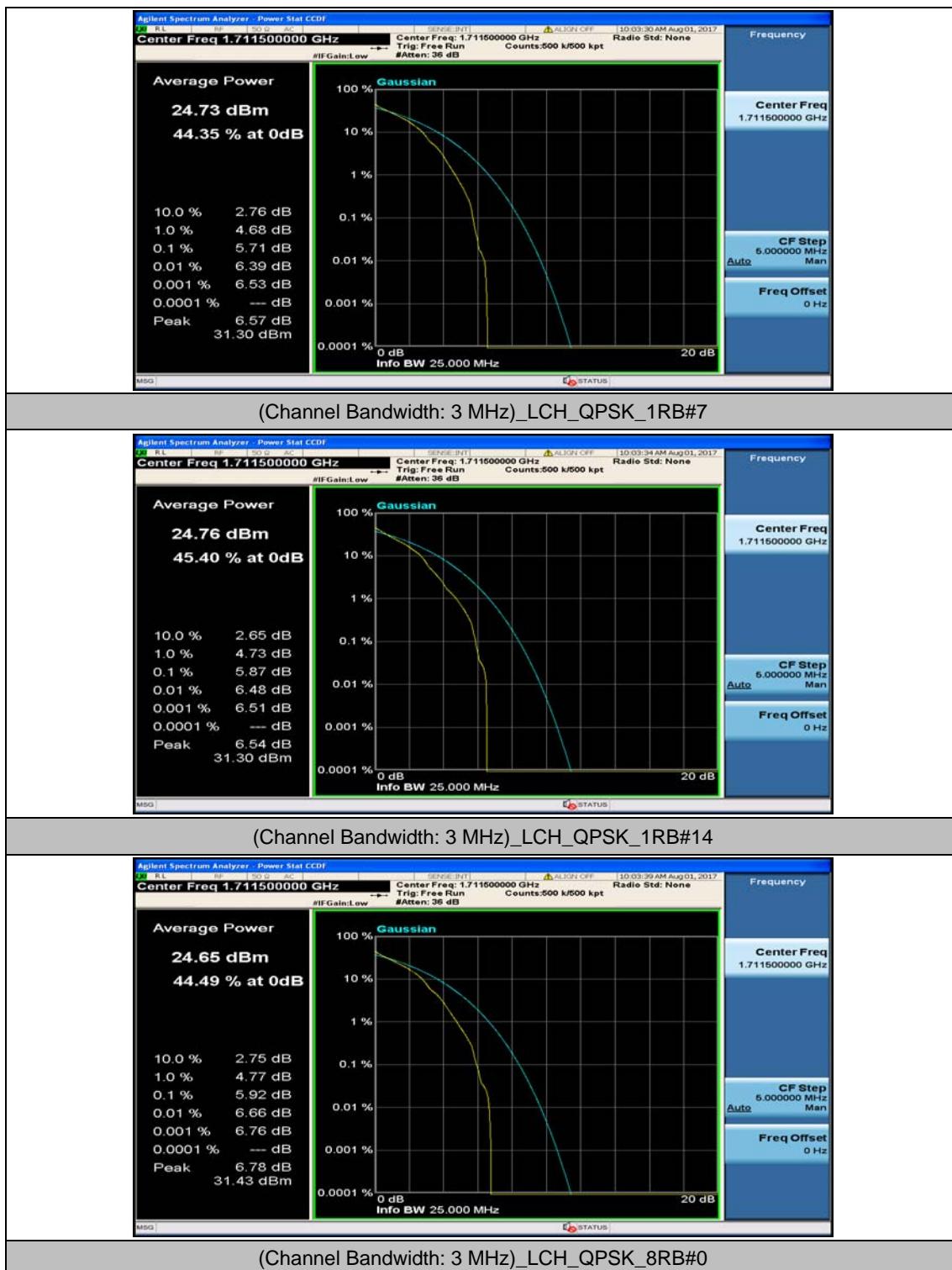


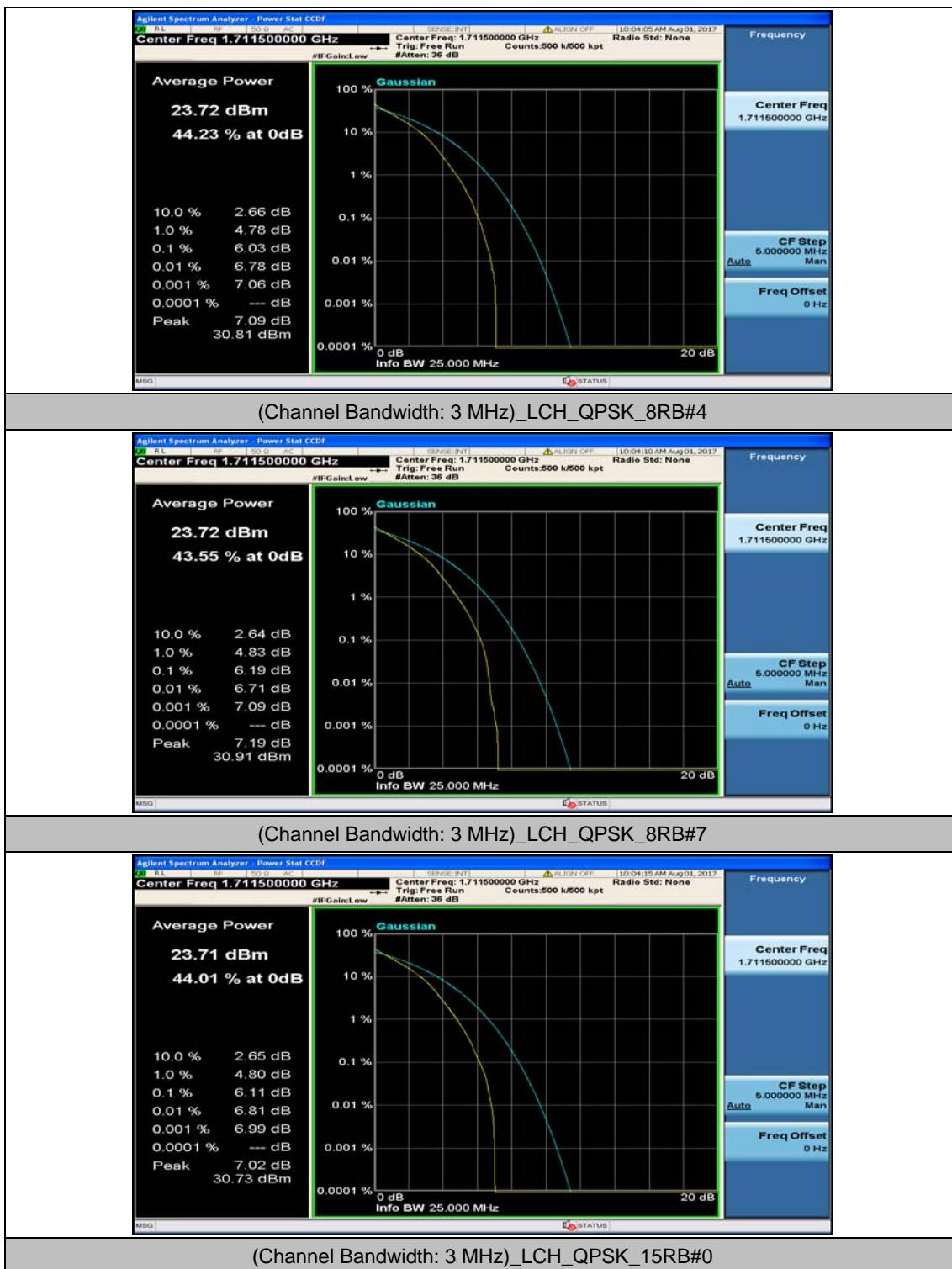


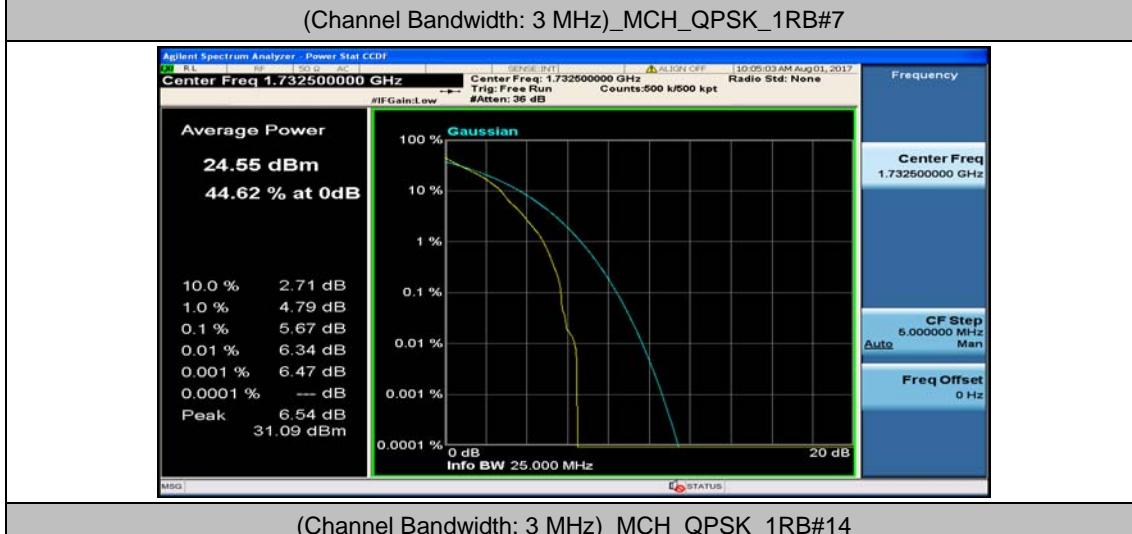
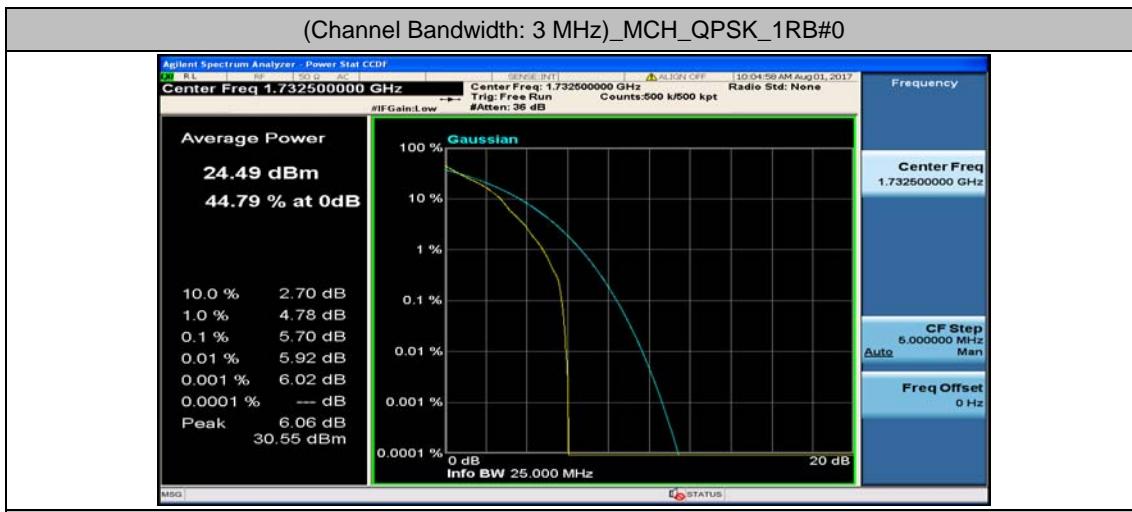
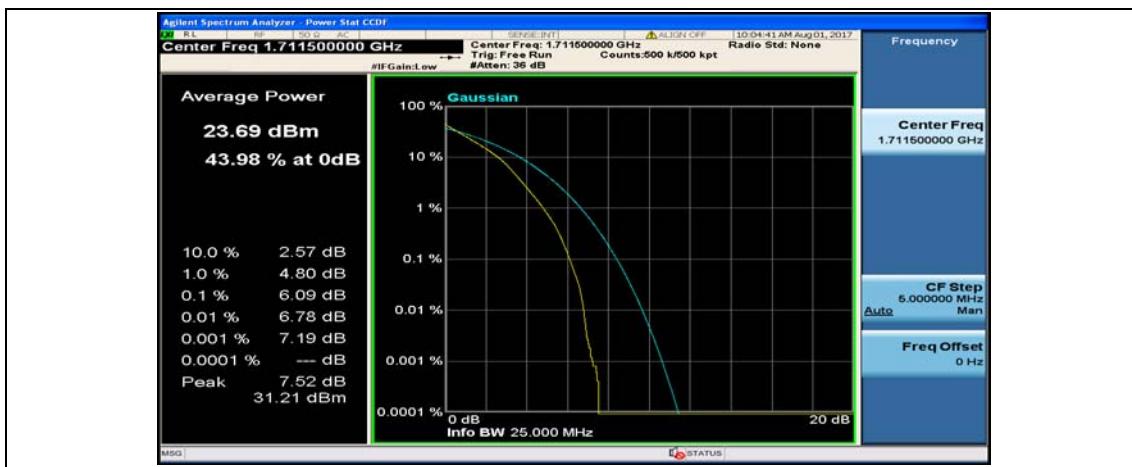


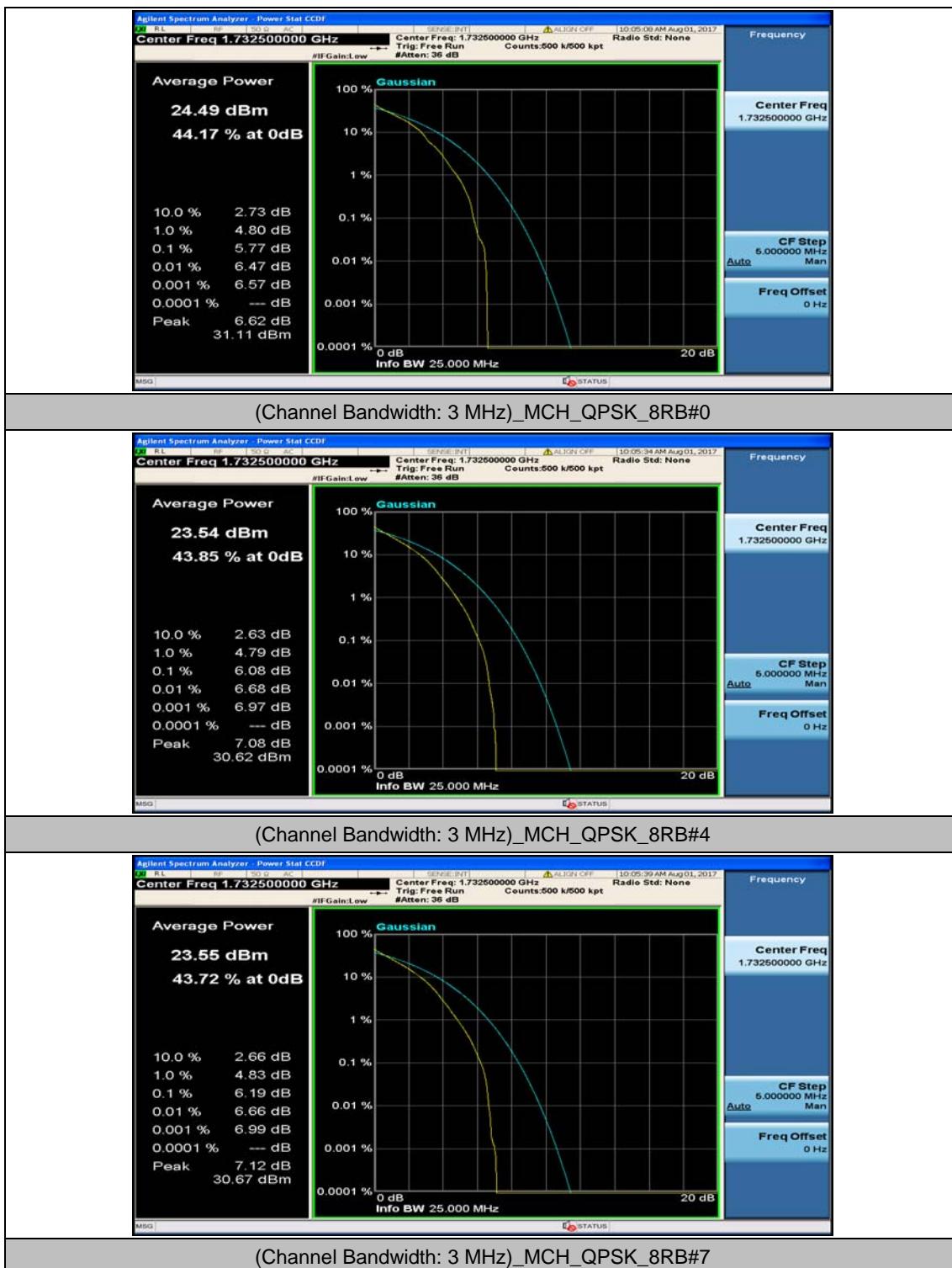
## Channel Bandwidth: 3 MHz

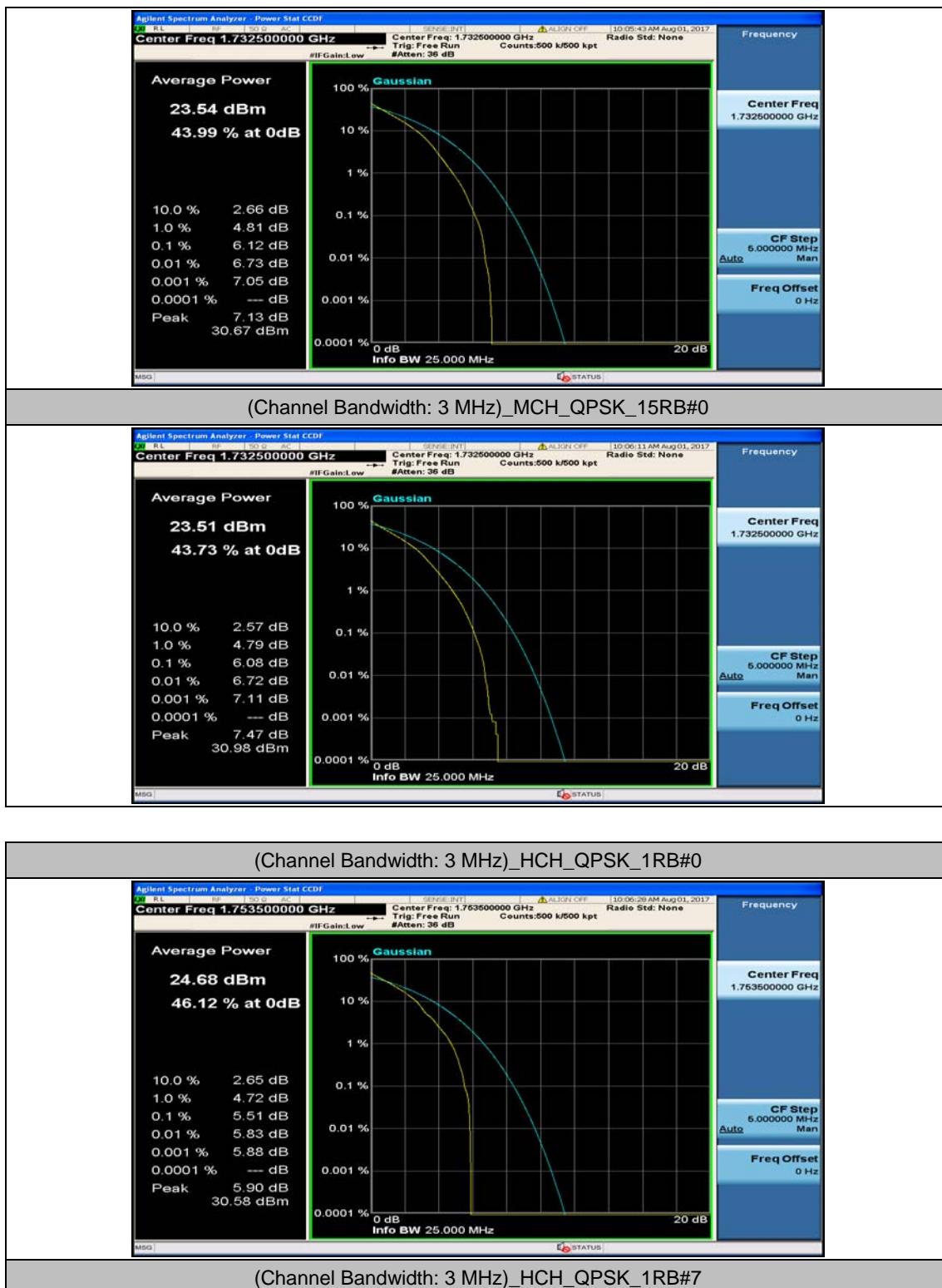
**(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_1RB#0**

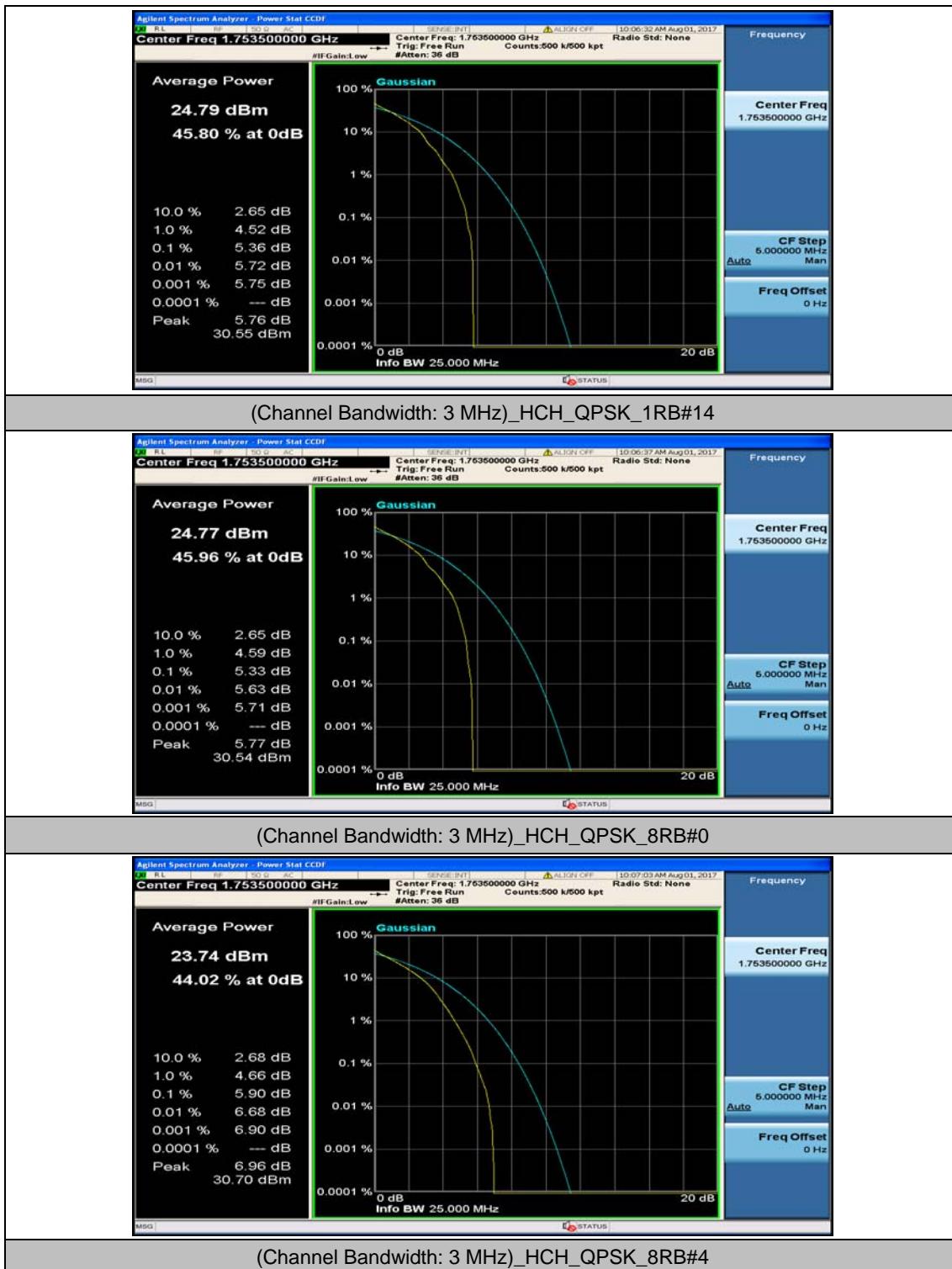


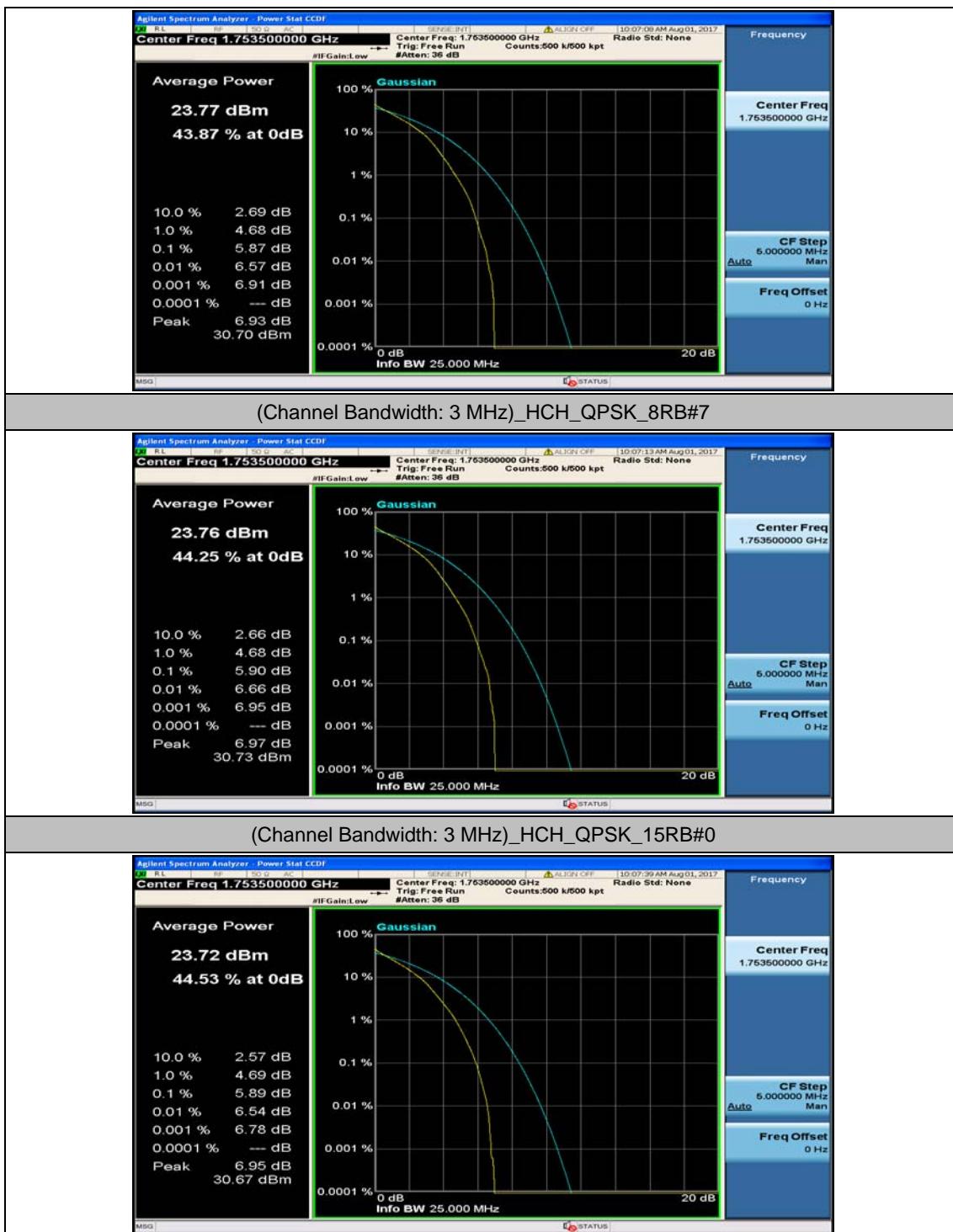


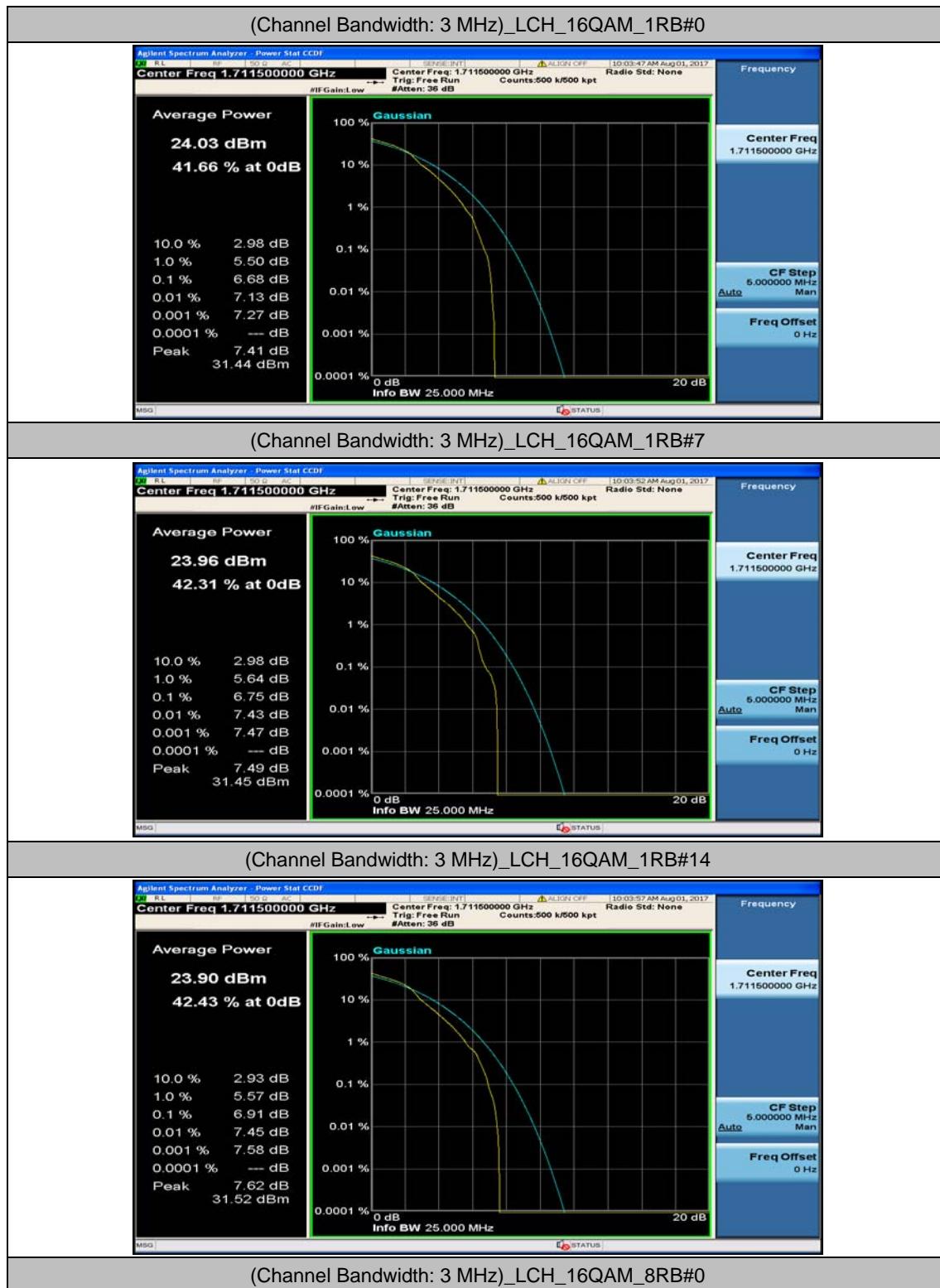


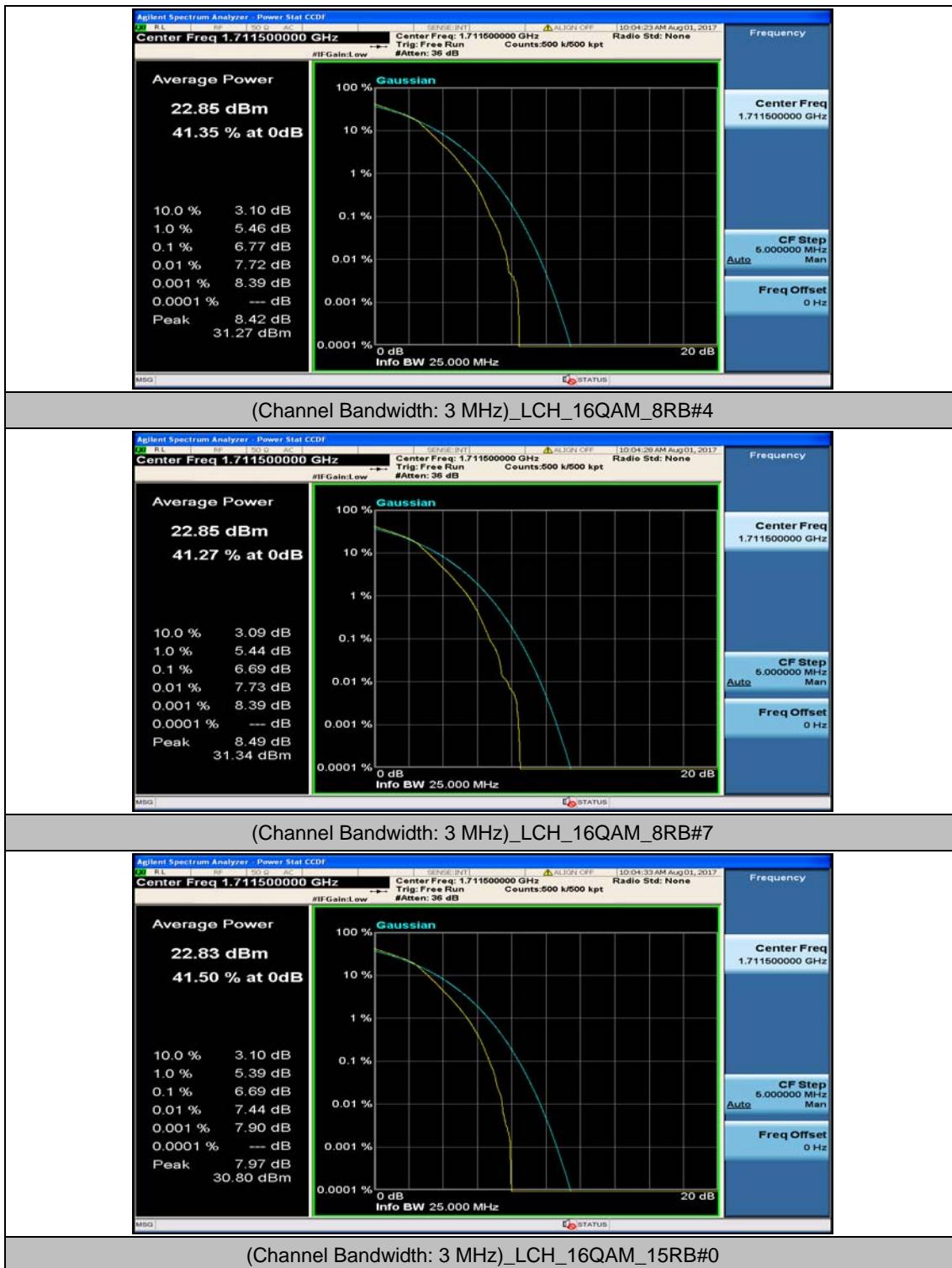


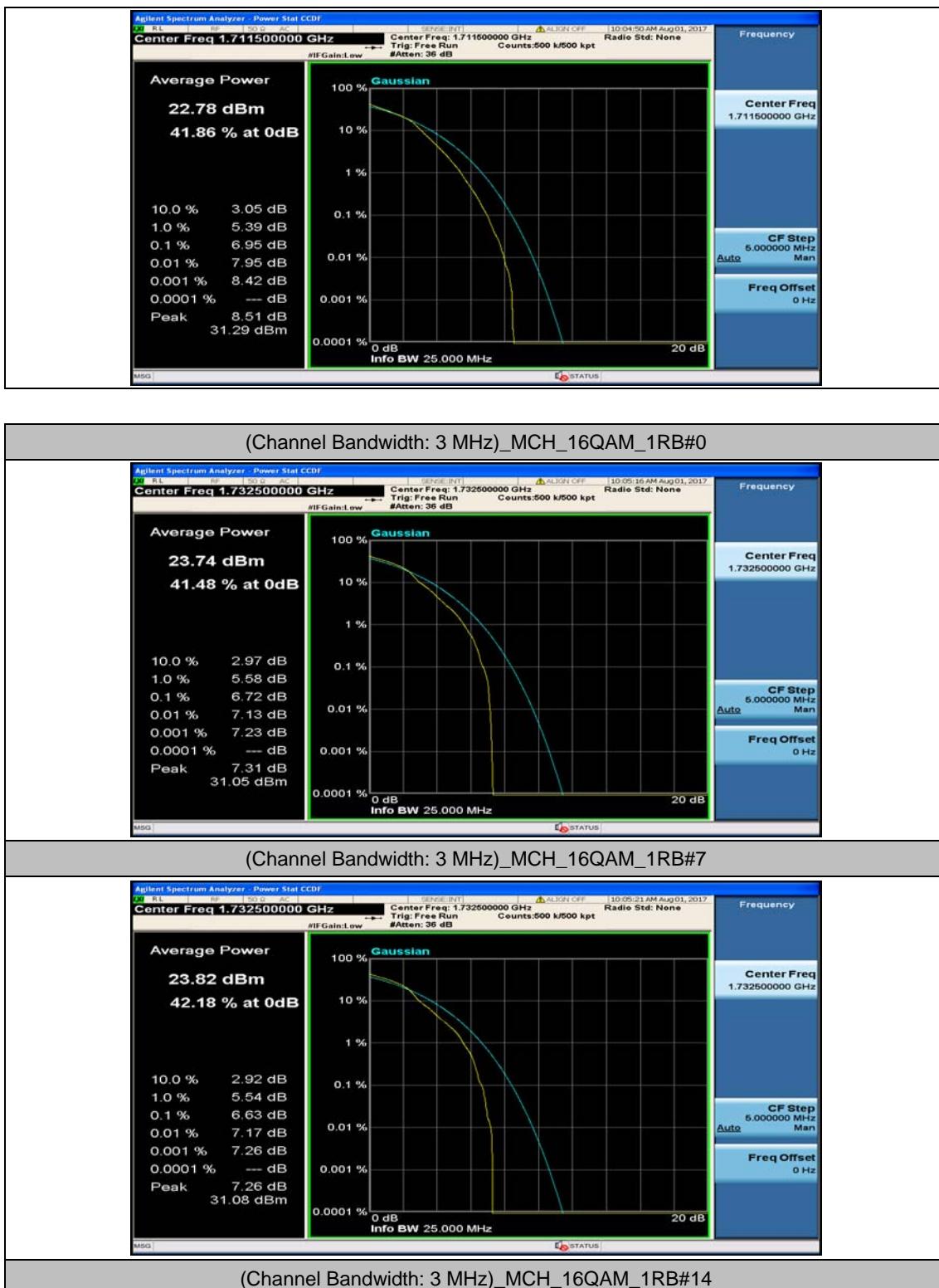


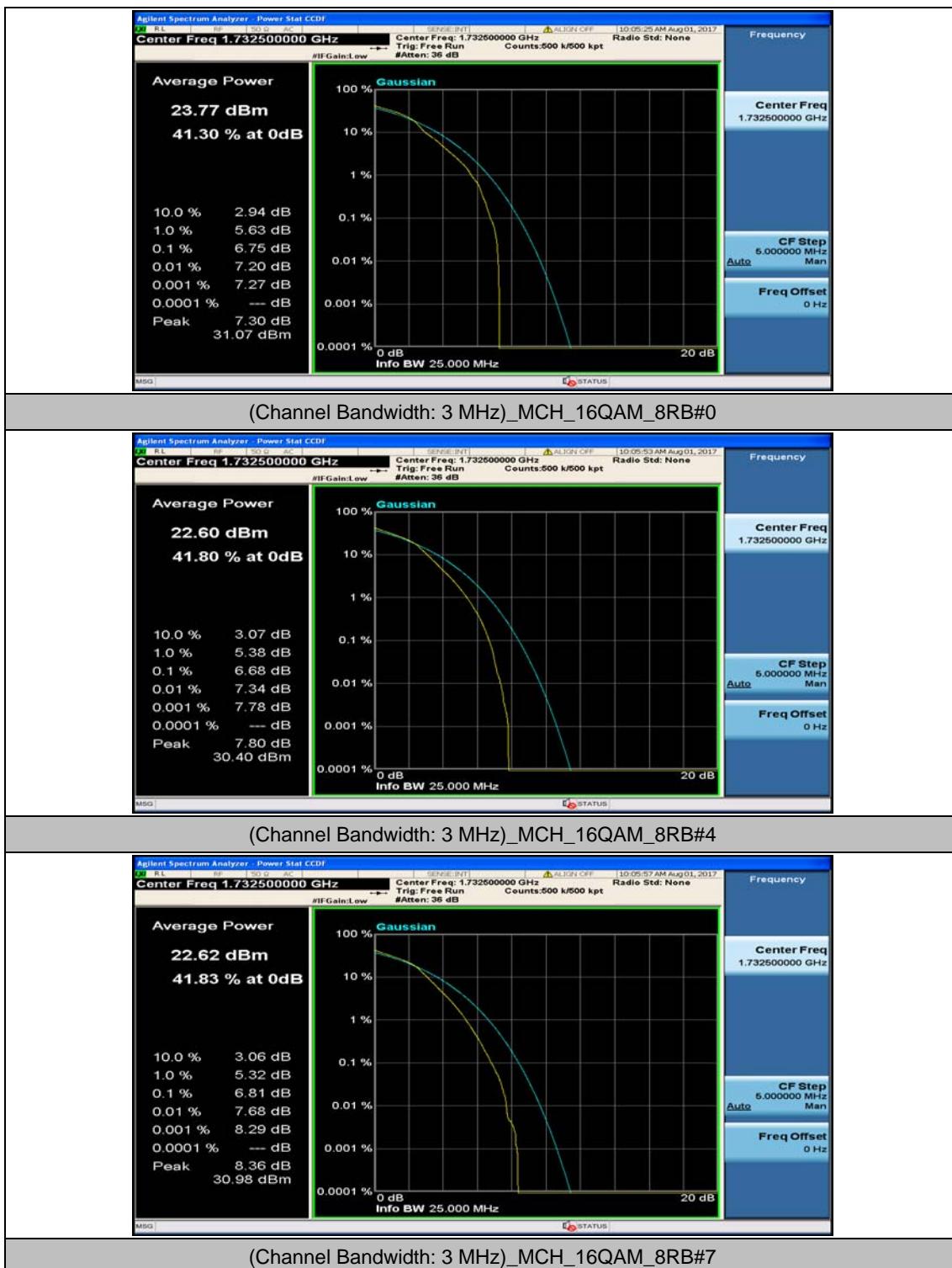


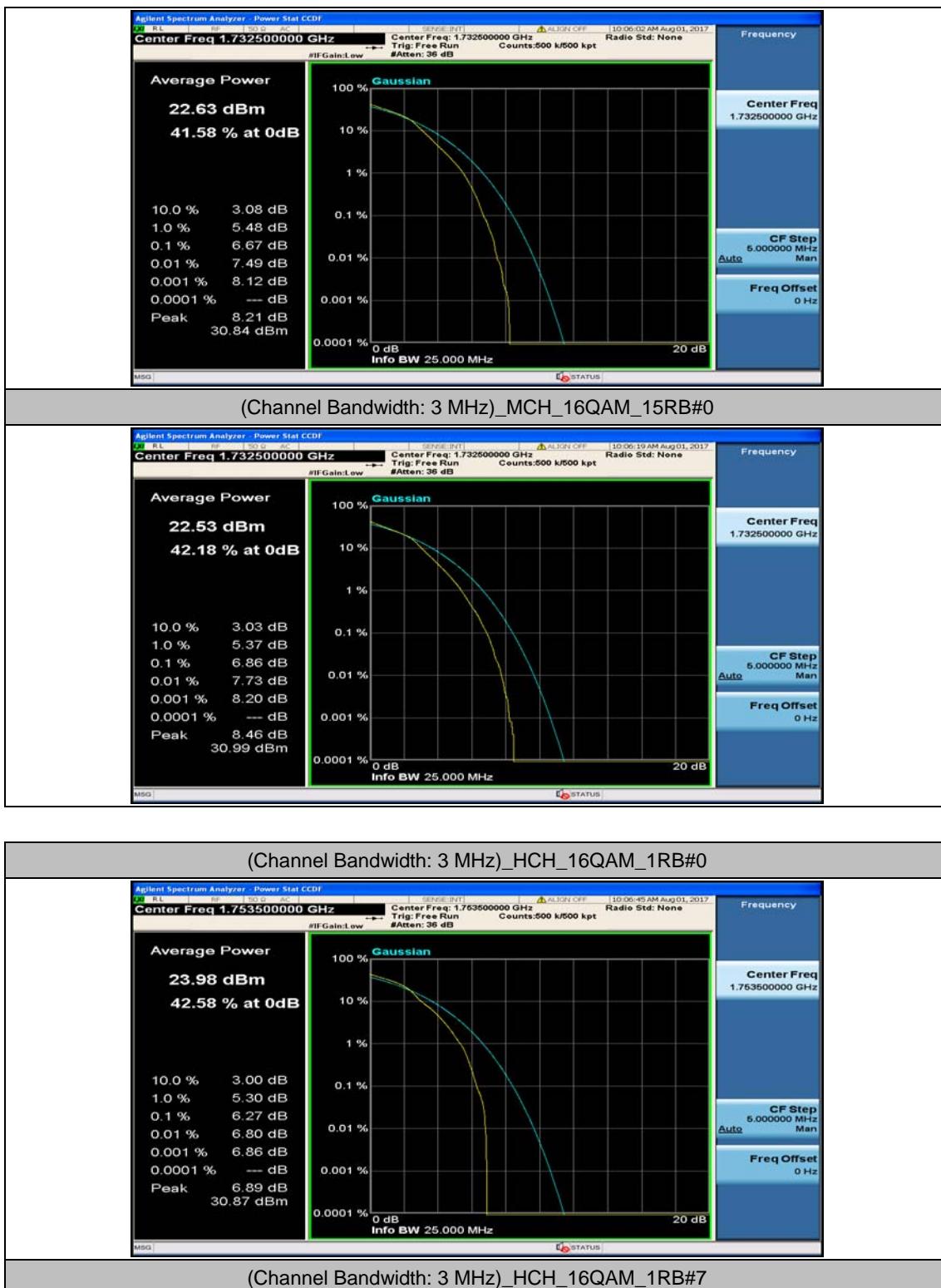


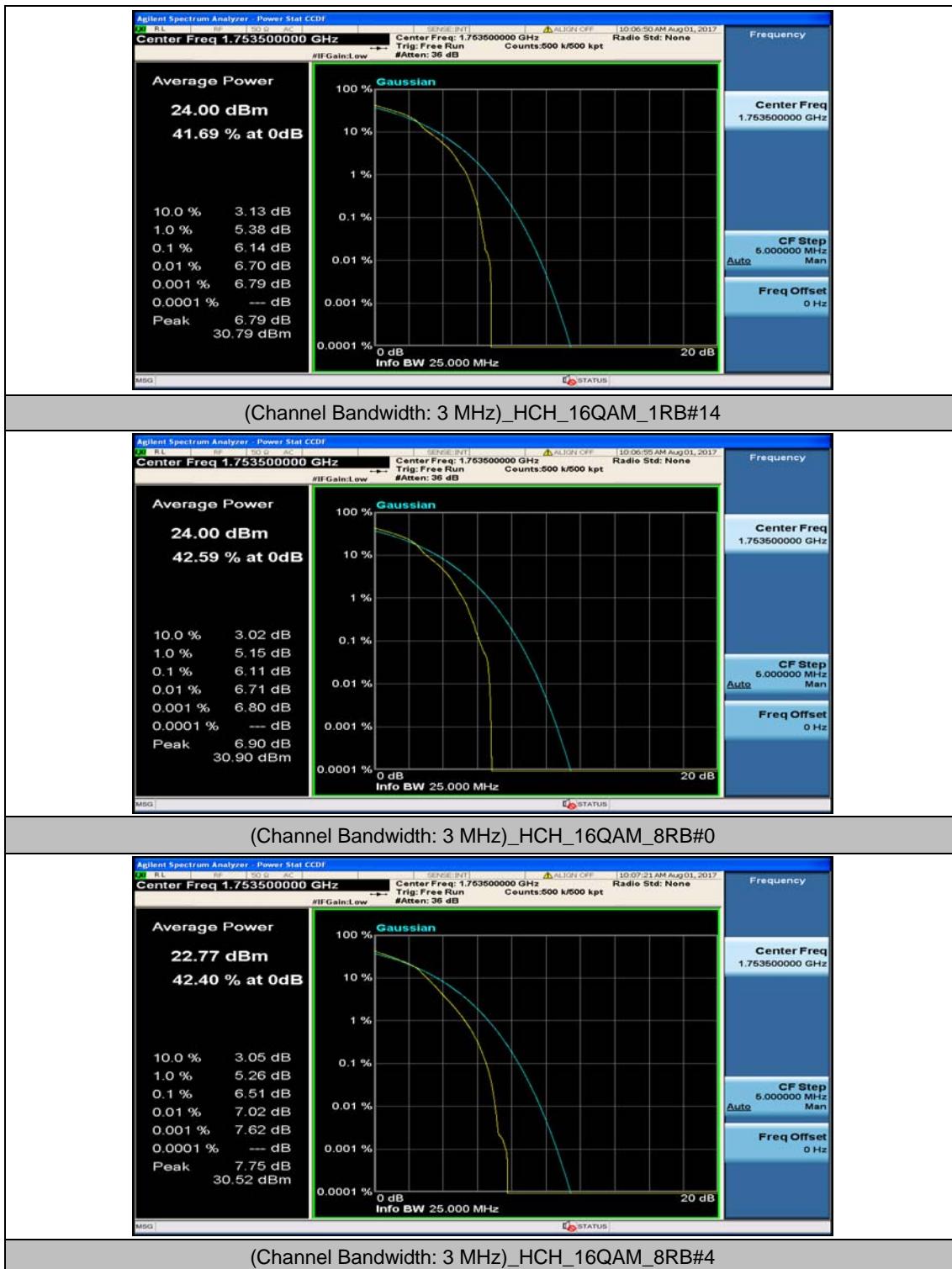


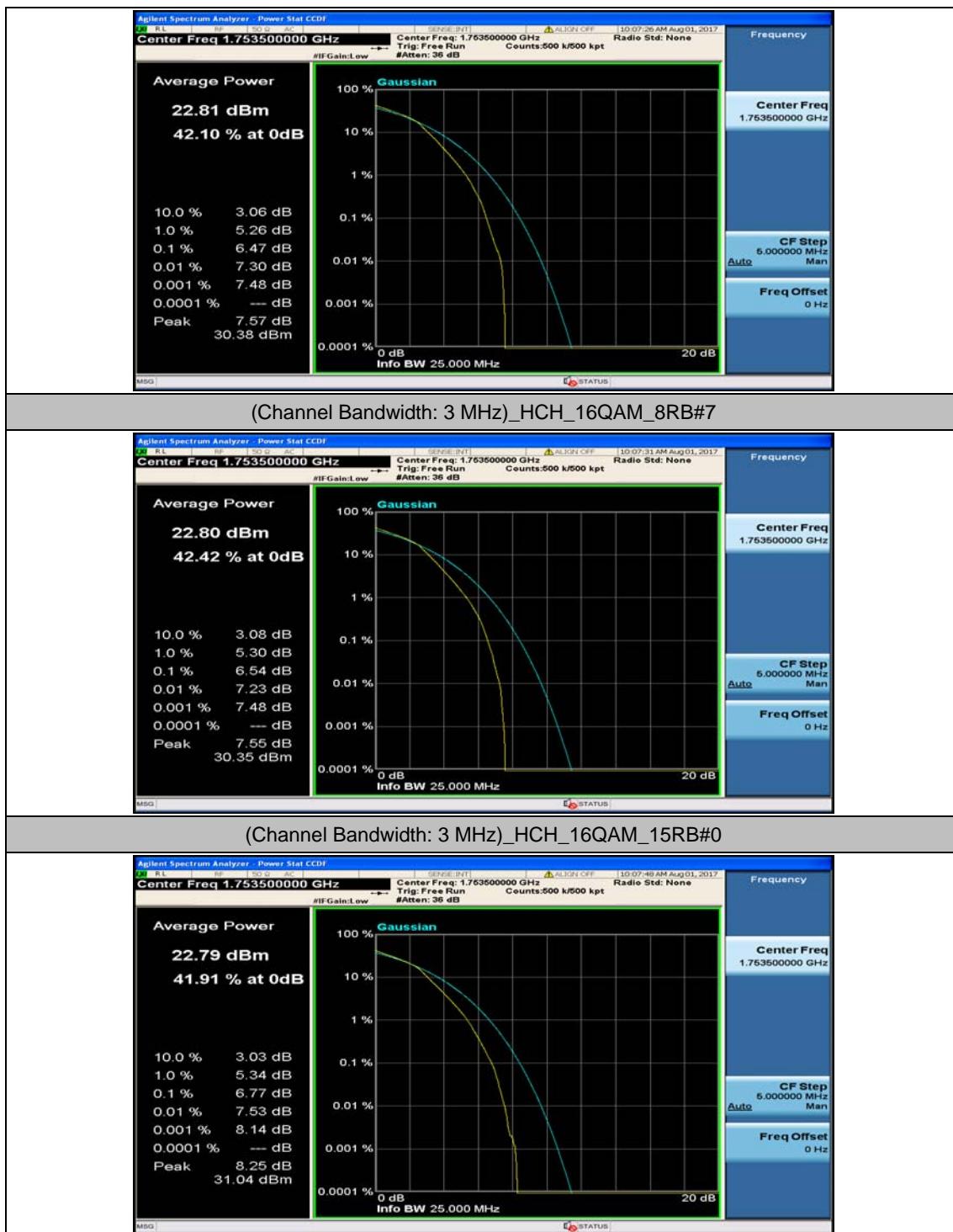




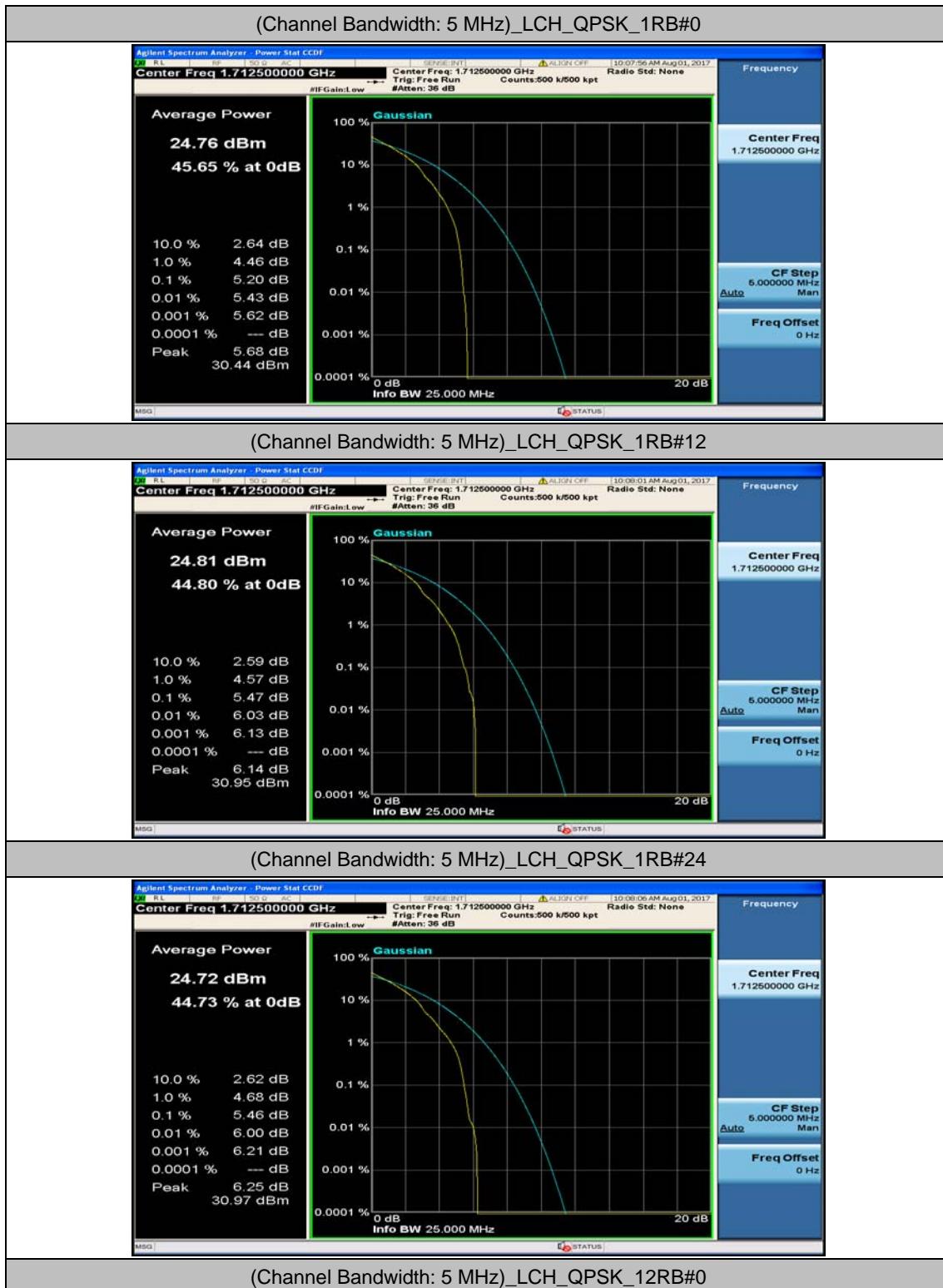


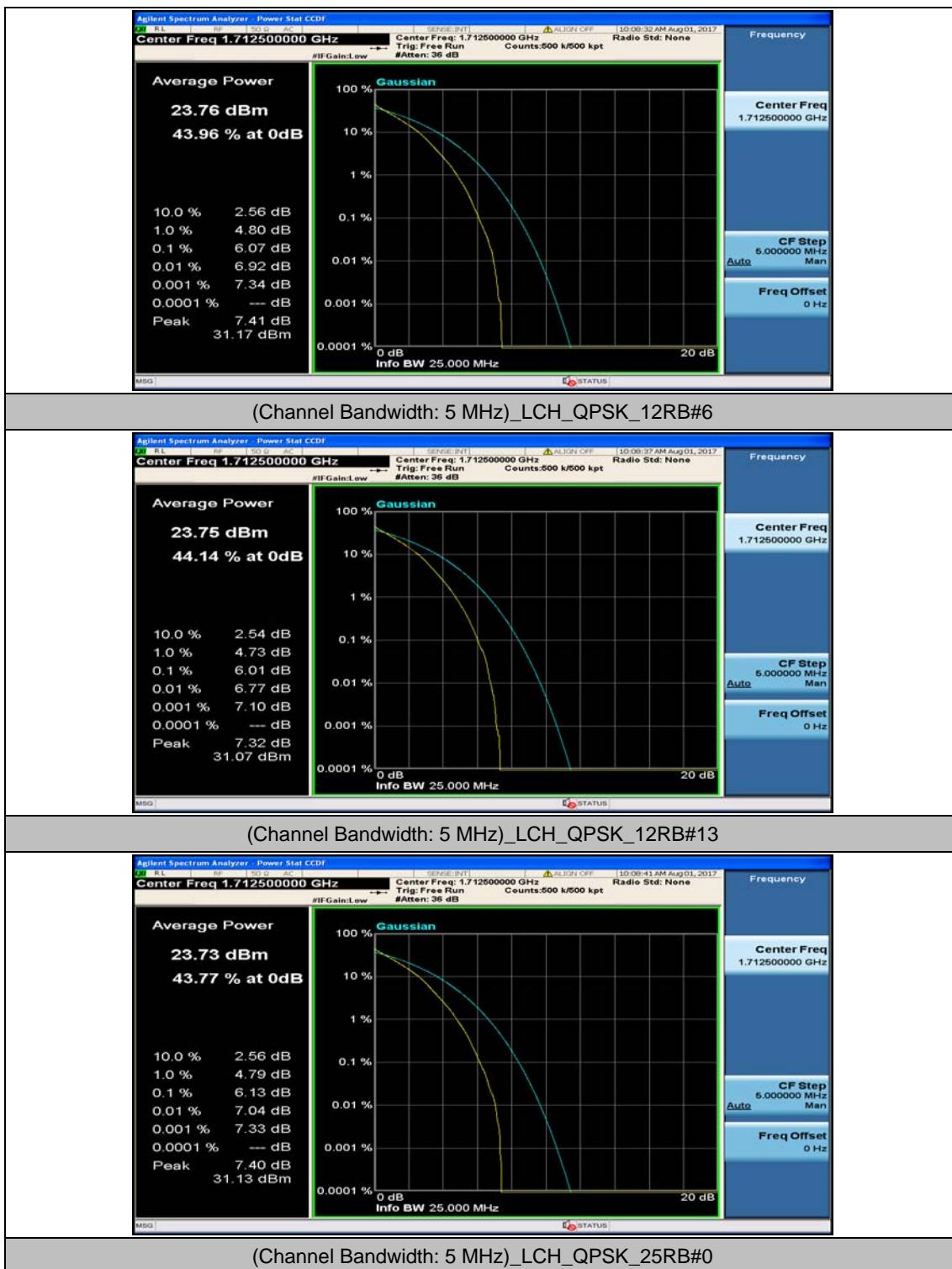


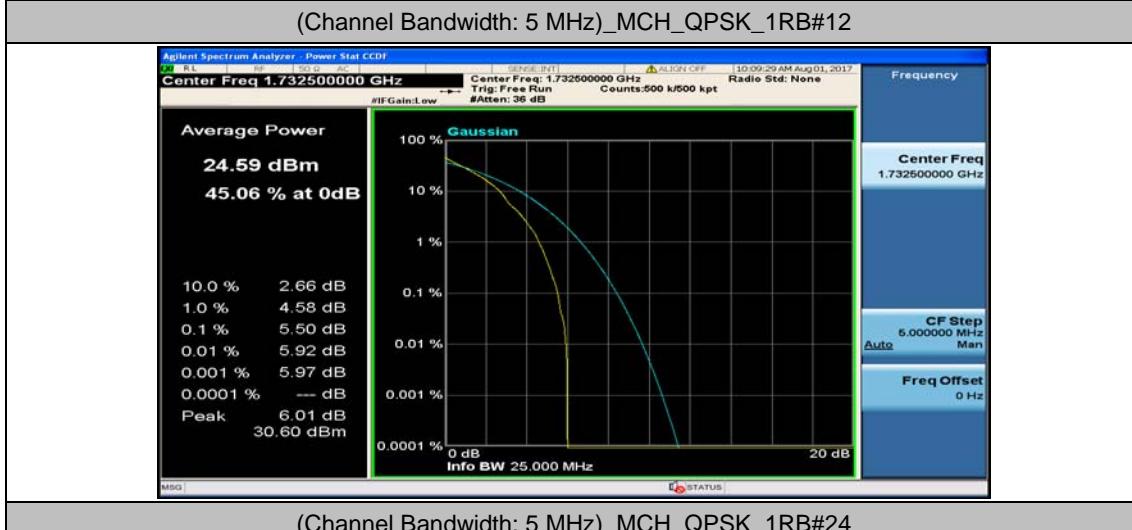
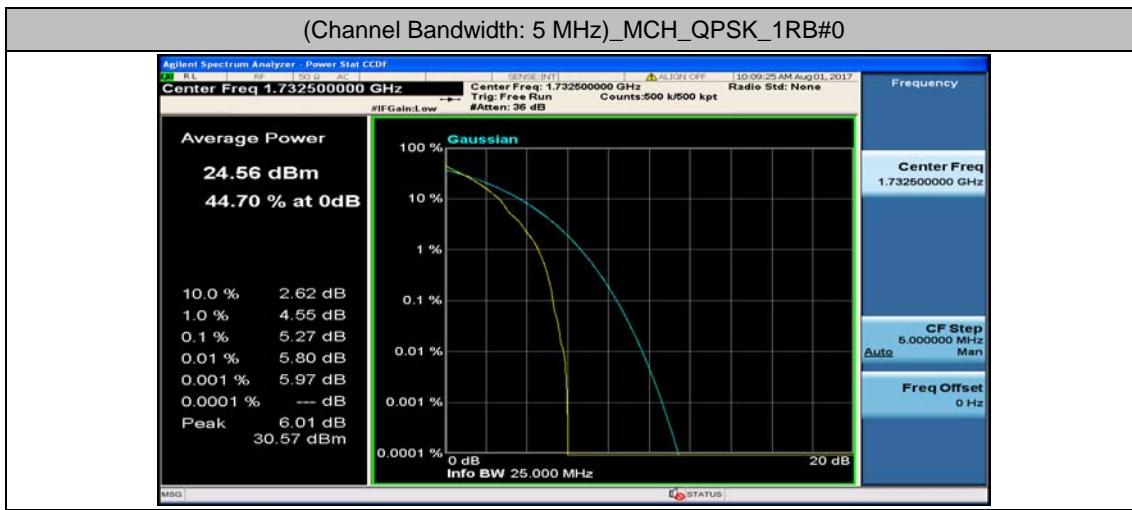
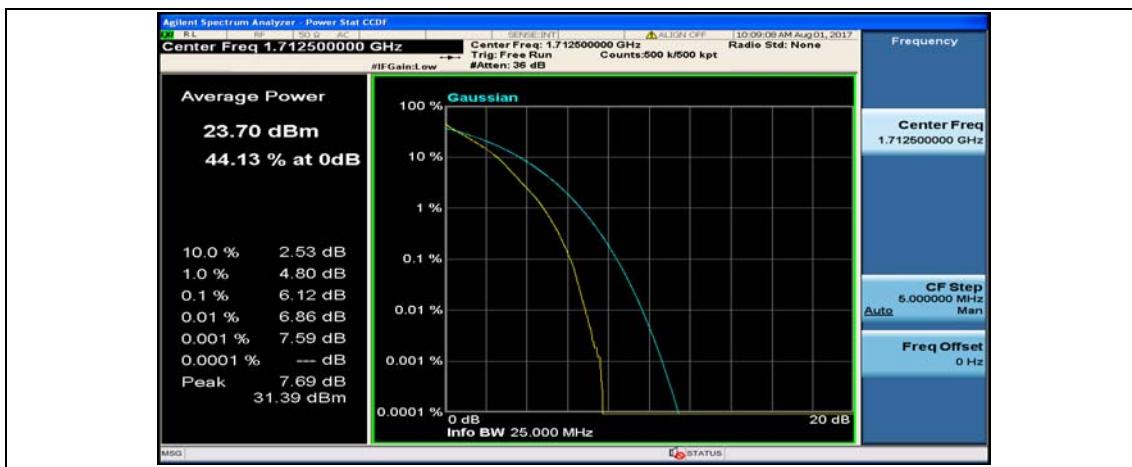




## Channel Bandwidth: 5 MHz







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

