

## 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	24.54	PASS
		1	3	24.05	PASS
		1	5	23.52	PASS
		3	0	23.28	PASS
		3	2	22.99	PASS
		3	3	22.64	PASS
		6	0	22.91	PASS
	MCH	1	0	23.44	PASS
		1	3	23.57	PASS
		1	5	25.08	PASS
		3	0	22.42	PASS
		3	2	22.6	PASS
		3	3	23.27	PASS
		6	0	22.77	PASS
16QAM	HCH	1	0	23.62	PASS
		1	3	25.04	PASS
		1	5	24.82	PASS
		3	0	23.55	PASS
		3	2	24.00	PASS
		3	3	24.02	PASS
		6	0	24.04	PASS
	LCH	1	0	23.74	PASS
		1	3	23.23	PASS
		1	5	22.6	PASS
		3	0	22.3	PASS
		3	2	22.97	PASS
		3	3	22.64	PASS
		6	0	22.9	PASS
	MCH	1	0	22.59	PASS
		1	3	22.79	PASS
		1	5	24.24	PASS
		3	0	22.45	PASS
		3	2	22.66	PASS

		3	3	22.29	PASS
		6	0	22.81	PASS
HCH	HCH	1	0	23.01	PASS
		1	3	24.10	PASS
		1	5	24.24	PASS
		3	0	22.46	PASS
		3	2	23.05	PASS
		3	3	23.11	PASS
		6	0	22.79	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.22	PASS
		1	7	24.2	PASS
		1	14	24.15	PASS
		8	0	23.32	PASS
		8	4	23.35	PASS
		8	7	23.33	PASS
		15	0	23.32	PASS
	MCH	1	0	23.85	PASS
		1	7	23.35	PASS
		1	14	23.49	PASS
		8	0	22.4	PASS
		8	4	22.45	PASS
		8	7	22.53	PASS
		15	0	22.45	PASS
	HCH	1	0	24.87	PASS
		1	7	24.91	PASS
		1	14	24.98	PASS
		8	0	24.21	PASS
		8	4	24.09	PASS
		8	7	23.64	PASS
		15	0	23.72	PASS
16QAM	LCH	1	0	23.55	PASS
		1	7	23.6	PASS
		1	14	23.48	PASS
		8	0	22.39	PASS
		8	4	22.41	PASS
		8	7	22.38	PASS
		15	0	22.31	PASS
	MCH	1	0	22.55	PASS

		1	7	22.68	PASS
		1	14	22.78	PASS
		8	0	22.52	PASS
		8	4	22.6	PASS
		8	7	22.63	PASS
		15	0	22.5	PASS
	HCH	1	0	24.22	PASS
		1	7	24.26	PASS
		1	14	24.08	PASS
		8	0	22.96	PASS
		8	4	22.93	PASS
		8	7	22.98	PASS
		15	0	22.72	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.36	PASS
		1	12	24.28	PASS
		1	24	24.18	PASS
		12	0	23.44	PASS
		12	6	23.42	PASS
		12	13	23.31	PASS
		25	0	23.31	PASS
	MCH	1	0	23.42	PASS
		1	12	23.55	PASS
		1	24	23.78	PASS
		12	0	22.49	PASS
		12	6	22.59	PASS
		12	13	22.75	PASS
		25	0	22.52	PASS
	HCH	1	0	24.60	PASS
		1	12	24.42	PASS
		1	24	25.04	PASS
		12	0	24.00	PASS
		12	6	23.92	PASS
		12	13	23.79	PASS
		25	0	23.89	PASS
16QAM	LCH	1	0	23.79	PASS
		1	12	23.79	PASS
		1	24	23.65	PASS
		12	0	22.61	PASS

		12	6	22.58	PASS
		12	13	22.45	PASS
		25	0	22.33	PASS
MCH	MCH	1	0	22.83	PASS
		1	12	22.96	PASS
		1	24	23.17	PASS
		12	0	22.72	PASS
		12	6	22.79	PASS
		12	13	22.94	PASS
		25	0	22.63	PASS
HCH	HCH	1	0	23.85	PASS
		1	12	23.64	PASS
		1	24	23.47	PASS
		12	0	23.01	PASS
		12	6	22.94	PASS
		12	13	22.80	PASS
		25	0	22.90	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.96	PASS
		1	24	23.85	PASS
		1	49	23.54	PASS
		25	0	23.5	PASS
		25	12	23.28	PASS
		25	25	23.08	PASS
		50	0	23.21	PASS
	MCH	1	0	23.22	PASS
		1	24	23.42	PASS
		1	49	23.44	PASS
		25	0	22.47	PASS
		25	12	22.45	PASS
		25	25	22.64	PASS
		50	0	22.65	PASS
	HCH	1	0	24.67	PASS
		1	24	24.24	PASS
		1	49	24.52	PASS
		25	0	23.90	PASS
		25	12	23.91	PASS
		25	25	23.87	PASS
		50	0	23.90	PASS

16QAM	LCH	1	0	23.3	PASS
		1	24	23.29	PASS
		1	49	23.05	PASS
		25	0	22.38	PASS
		25	12	22.32	PASS
		25	25	22.16	PASS
		50	0	22.25	PASS
	MCH	1	0	22.63	PASS
		1	24	22.75	PASS
		1	49	22.88	PASS
		25	0	22.44	PASS
		25	12	22.56	PASS
		25	25	22.79	PASS
		50	0	22.62	PASS
	HCH	1	0	24.04	PASS
		1	24	23.96	PASS
		1	49	23.70	PASS
		25	0	22.98	PASS
		25	12	23.00	PASS
		25	25	22.88	PASS
		50	0	22.95	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.98	PASS
		1	37	23.73	PASS
		1	74	23.18	PASS
		37	0	22.99	PASS
		37	18	22.79	PASS
		37	38	22.54	PASS
		75	0	23.14	PASS
	MCH	1	0	23.32	PASS
		1	37	23.55	PASS
		1	74	24.53	PASS
		37	0	22.42	PASS
		37	18	22.57	PASS
		37	38	23.02	PASS
		75	0	22.69	PASS
	HCH	1	0	24.55	PASS
		1	37	25.06	PASS
		1	74	25.03	PASS

		37	0	24.17	PASS
		37	18	24.38	PASS
		37	38	24.06	PASS
		75	0	23.25	PASS
16QAM	LCH	1	0	23.31	PASS
		1	37	23.07	PASS
		1	74	22.42	PASS
		37	0	22.99	PASS
		37	18	22.31	PASS
		37	38	22.92	PASS
		75	0	22.33	PASS
	MCH	1	0	22.53	PASS
		1	37	22.9	PASS
		1	74	23.83	PASS
		37	0	22.45	PASS
		37	18	22.61	PASS
		37	38	22.05	PASS
		75	0	22.7	PASS
	HCH	1	0	23.57	PASS
		1	37	24.38	PASS
		1	74	24.16	PASS
		37	0	23.03	PASS
		37	18	23.34	PASS
		37	38	23.23	PASS
		75	0	23.20	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.80	PASS
		1	49	24.71	PASS
		1	99	24.17	PASS
		50	0	24.28	PASS
		50	25	24.24	PASS
		50	50	24.25	PASS
		100	0	23.24	PASS
	MCH	1	0	24.75	PASS
		1	49	24.39	PASS
		1	99	23.41	PASS
		50	0	23.42	PASS
		50	25	23.42	PASS
		50	50	23.46	PASS

		100	0	22.38	PASS
	HCH	1	0	25.13	PASS
		1	49	24.95	PASS
		1	99	25.05	PASS
		50	0	25.08	PASS
		50	25	25.00	PASS
		50	50	24.96	PASS
		100	0	24.28	PASS
	LCH	1	0	23.49	PASS
		1	49	23.59	PASS
		1	99	23.51	PASS
		50	0	23.48	PASS
		50	25	23.41	PASS
		50	50	23.42	PASS
		100	0	22.23	PASS
	MCH	1	0	22.63	PASS
		1	49	22.75	PASS
		1	99	22.7	PASS
		50	0	22.6	PASS
		50	25	22.55	PASS
		50	50	22.59	PASS
		100	0	22.41	PASS
	HCH	1	0	24.23	PASS
		1	49	24.15	PASS
		1	99	24.10	PASS
		50	0	23.89	PASS
		50	25	23.82	PASS
		50	50	23.80	PASS
		100	0	23.07	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	5.14	<13	PASS
		1	3	5.13	<13	PASS
		1	5	4.99	<13	PASS
		3	0	5.24	<13	PASS
		3	2	5.33	<13	PASS
		3	3	5.37	<13	PASS
		6	0	5.86	<13	PASS
	MCH	1	0	4.55	<13	PASS
		1	3	4.74	<13	PASS
		1	5	5.16	<13	PASS
		3	0	4.83	<13	PASS
		3	2	5.06	<13	PASS
		3	3	5.19	<13	PASS
		6	0	5.77	<13	PASS
16QAM	LCH	1	0	2.2	<13	PASS
		1	3	1.92	<13	PASS
		1	5	1.89	<13	PASS
		3	0	2.47	<13	PASS
		3	2	2.35	<13	PASS
		3	3	2.33	<13	PASS
		6	0	3.29	<13	PASS
	MCH	1	0	5.93	<13	PASS
		1	3	5.94	<13	PASS
		1	5	6.03	<13	PASS
		3	0	6.2	<13	PASS
		3	2	6.55	<13	PASS
		3	3	6.53	<13	PASS
		6	0	6.88	<13	PASS

		3	2	6.08	<13	PASS
		3	3	6	<13	PASS
		6	0	6.57	<13	PASS
HCH		1	0	3.34	<13	PASS
		1	3	3.16	<13	PASS
		1	5	3.06	<13	PASS
		3	0	3.48	<13	PASS
		3	2	3.41	<13	PASS
		3	3	3.37	<13	PASS
		6	0	4.31	<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	5.15	<13	PASS
		1	7	5.23	<13	PASS
		1	14	5.19	<13	PASS
		8	0	5.89	<13	PASS
		8	4	5.87	<13	PASS
		8	7	5.87	<13	PASS
		15	0	5.92	<13	PASS
	MCH	1	0	4.76	<13	PASS
		1	7	4.85	<13	PASS
		1	14	4.97	<13	PASS
		8	0	5.6	<13	PASS
		8	4	5.83	<13	PASS
		8	7	5.78	<13	PASS
		15	0	5.78	<13	PASS
	HCH	1	0	2.77	<13	PASS
		1	7	2.25	<13	PASS
		1	14	1.89	<13	PASS
		8	0	3.85	<13	PASS
		8	4	3.61	<13	PASS
		8	7	3.41	<13	PASS
		15	0	3.75	<13	PASS
16QAM	LCH	1	0	6.13	<13	PASS
		1	7	6.11	<13	PASS
		1	14	6.25	<13	PASS
		8	0	6.48	<13	PASS
		8	4	6.41	<13	PASS

		8	7	6.46	<13	PASS
		15	0	6.84	<13	PASS
MCH		1	0	5.61	<13	PASS
		1	7	5.71	<13	PASS
		1	14	5.84	<13	PASS
		8	0	6.52	<13	PASS
		8	4	6.46	<13	PASS
		8	7	6.47	<13	PASS
		15	0	6.7	<13	PASS
HCH		1	0	3.8	<13	PASS
		1	7	3.38	<13	PASS
		1	14	3.08	<13	PASS
		8	0	4.78	<13	PASS
		8	4	4.57	<13	PASS
		8	7	4.44	<13	PASS
		15	0	4.71	<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	4.96	<13	PASS
		1	12	5.09	<13	PASS
		1	24	5.17	<13	PASS
		12	0	5.93	<13	PASS
		12	6	5.74	<13	PASS
		12	13	5.83	<13	PASS
		25	0	5.9	<13	PASS
	MCH	1	0	4.57	<13	PASS
		1	12	4.76	<13	PASS
		1	24	4.8	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.74	<13	PASS
		12	13	5.76	<13	PASS
		25	0	5.83	<13	PASS
	HCH	1	0	3.36	<13	PASS
		1	12	2.73	<13	PASS
		1	24	1.95	<13	PASS
		12	0	4.41	<13	PASS
		12	6	4.13	<13	PASS
		12	13	3.65	<13	PASS

		25	0	4.17	<13	PASS
16QAM	LCH	1	0	5.89	<13	PASS
		1	12	5.94	<13	PASS
		1	24	5.94	<13	PASS
		12	0	6.55	<13	PASS
		12	6	6.64	<13	PASS
		12	13	6.61	<13	PASS
		25	0	6.78	<13	PASS
	MCH	1	0	5.43	<13	PASS
		1	12	5.74	<13	PASS
		1	24	5.75	<13	PASS
		12	0	6.49	<13	PASS
		12	6	6.56	<13	PASS
		12	13	6.59	<13	PASS
		25	0	6.63	<13	PASS
	HCH	1	0	4.05	<13	PASS
		1	12	3.62	<13	PASS
		1	24	3.15	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.12	<13	PASS
		12	13	4.72	<13	PASS
		25	0	5.12	<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	5.19	<13	PASS
		1	24	5.25	<13	PASS
		1	49	4.68	<13	PASS
		25	0	5.85	<13	PASS
		25	12	5.77	<13	PASS
		25	25	5.62	<13	PASS
		50	0	5.81	<13	PASS
	MCH	1	0	4.4	<13	PASS
		1	24	4.86	<13	PASS
		1	49	4.8	<13	PASS
		25	0	5.7	<13	PASS
		25	12	5.78	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.76	<13	PASS

		1	0	2.92	<13	PASS
		1	24	3.36	<13	PASS
		1	49	2.1	<13	PASS
	HCH	25	0	4.64	<13	PASS
		25	12	4.69	<13	PASS
		25	25	4.27	<13	PASS
		50	0	4.51	<13	PASS
16QAM	LCH	1	0	6.15	<13	PASS
		1	24	6.05	<13	PASS
		1	49	5.54	<13	PASS
		25	0	6.65	<13	PASS
		25	12	6.67	<13	PASS
		25	25	6.41	<13	PASS
		50	0	6.58	<13	PASS
	MCH	1	0	5.29	<13	PASS
		1	24	5.65	<13	PASS
		1	49	5.65	<13	PASS
		25	0	6.5	<13	PASS
		25	12	6.59	<13	PASS
		25	25	6.61	<13	PASS
		50	0	6.53	<13	PASS
	HCH	1	0	3.9	<13	PASS
		1	24	4.38	<13	PASS
		1	49	3.22	<13	PASS
		25	0	5.52	<13	PASS
		25	12	5.55	<13	PASS
		25	25	5.23	<13	PASS
		50	0	5.44	<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	5.14	<13	PASS
		1	37	4.96	<13	PASS
		1	74	3.81	<13	PASS
		37	0	5.78	<13	PASS
		37	18	5.59	<13	PASS
		37	38	5.22	<13	PASS
		75	0	5.87	<13	PASS
	MCH	1	0	4.1	<13	PASS

	16QAM	HCH	1	37	4.85	<13	PASS
			1	74	4.58	<13	PASS
			37	0	5.56	<13	PASS
			37	18	5.74	<13	PASS
			37	38	5.67	<13	PASS
			75	0	6.02	<13	PASS
		LCH	1	0	2.83	<13	PASS
			1	37	3.2	<13	PASS
			1	74	2.14	<13	PASS
			37	0	4.01	<13	PASS
			37	18	4.44	<13	PASS
			37	38	4.45	<13	PASS
			75	0	4.64	<13	PASS
		MCH	1	0	6.01	<13	PASS
			1	37	5.86	<13	PASS
			1	74	4.79	<13	PASS
			37	0	6.66	<13	PASS
			37	18	6.44	<13	PASS
			37	38	6.1	<13	PASS
			75	0	6.5	<13	PASS
		HCH	1	0	4.83	<13	PASS
			1	37	5.62	<13	PASS
			1	74	5.56	<13	PASS
			37	0	6.42	<13	PASS
			37	18	6.58	<13	PASS
			37	38	6.49	<13	PASS
			75	0	6.64	<13	PASS
		LCH	1	0	3.76	<13	PASS
			1	37	4.28	<13	PASS
			1	74	3.27	<13	PASS
			37	0	4.98	<13	PASS
			37	18	5.41	<13	PASS
			37	38	5.45	<13	PASS
			75	0	5.44	<13	PASS

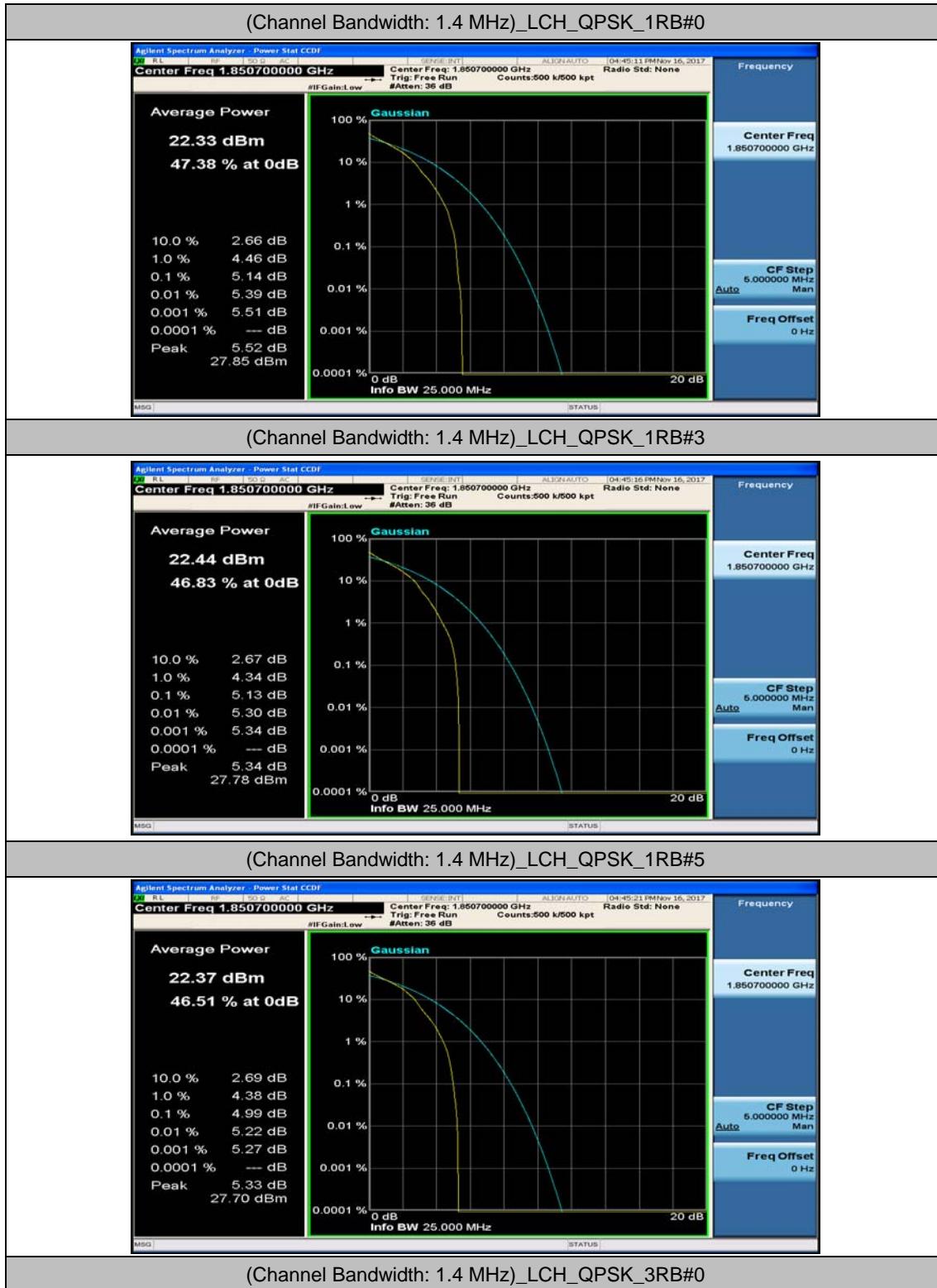
### Channel Bandwidth: 20 MHz

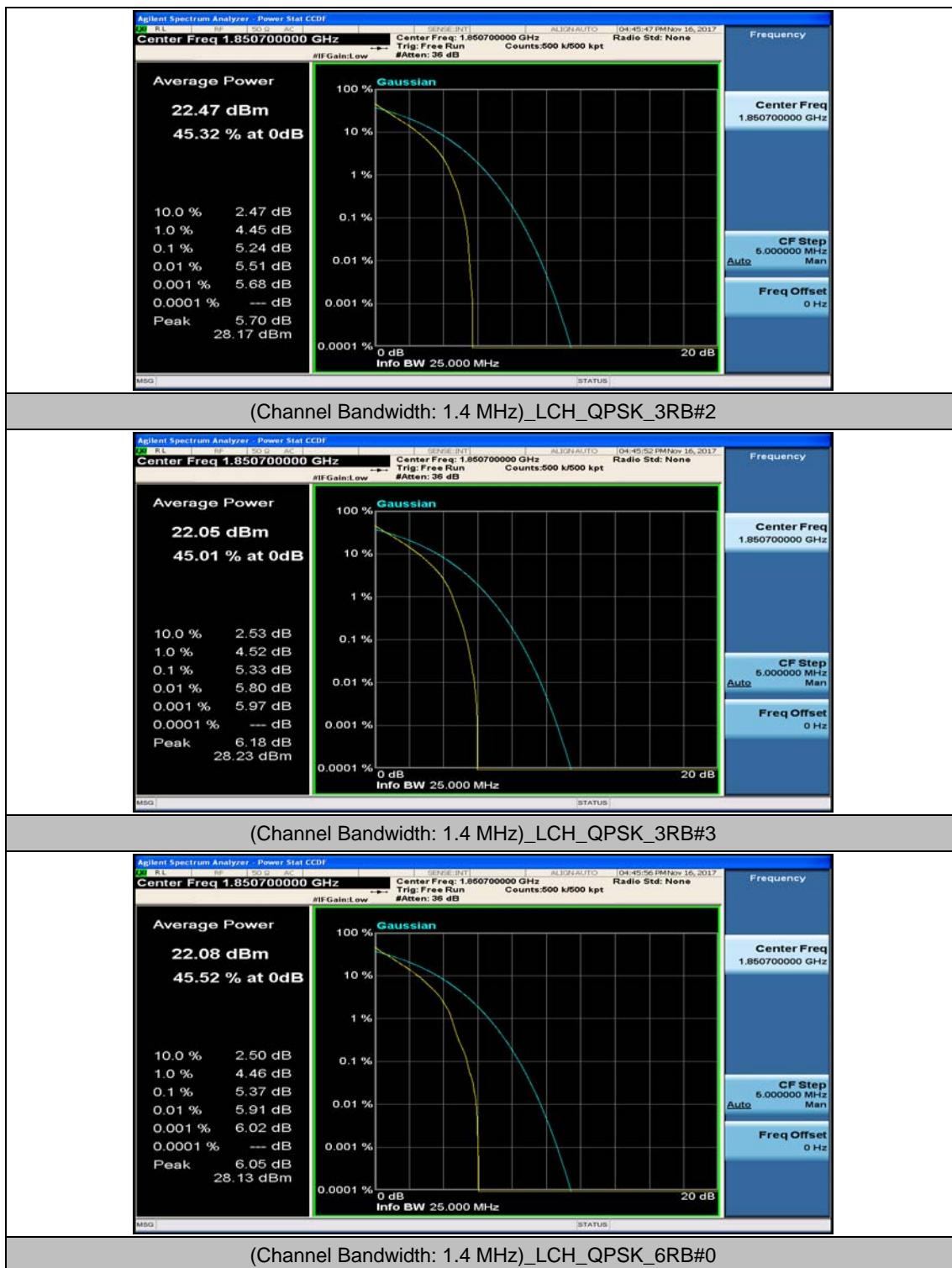
Channel Bandwidth: 20 MHz							
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict	
		Size	Offset				
QPSK	LCH	1	0	5.08	<13	PASS	
		1	49	4.49	<13	PASS	

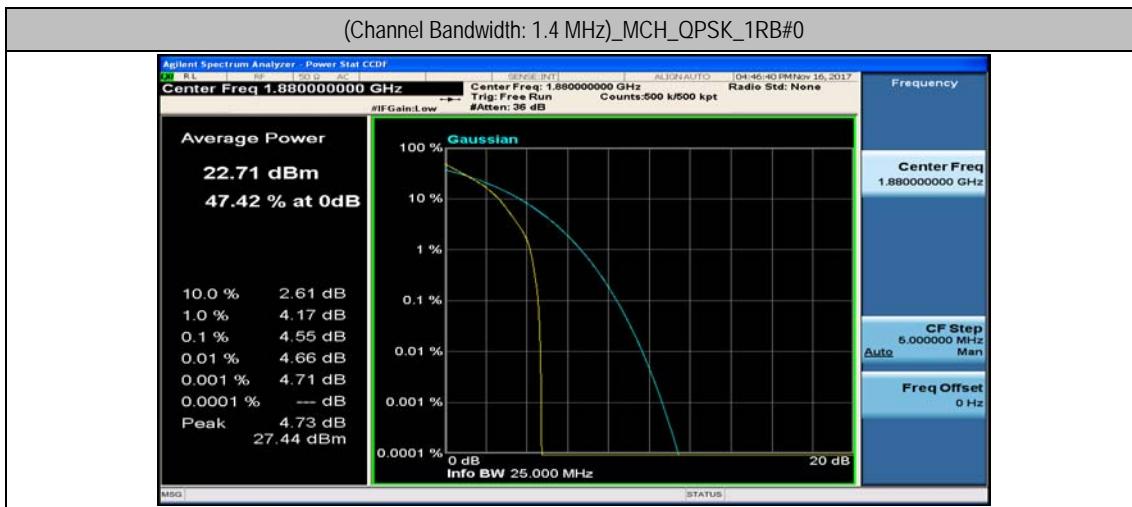
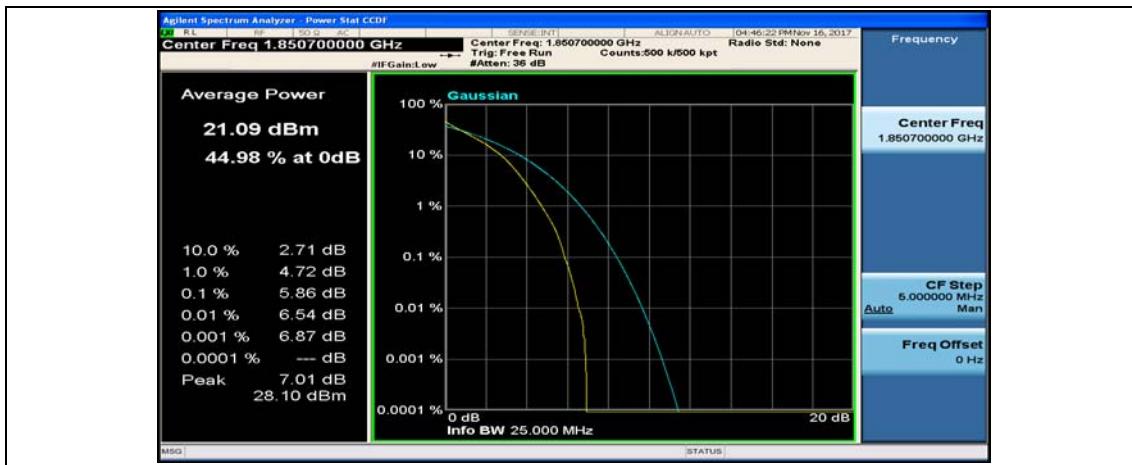
		1	99	3.63	<13	PASS
		50	0	5.76	<13	PASS
		50	25	5.36	<13	PASS
		50	50	4.98	<13	PASS
		100	0	5.47	<13	PASS
	MCH	1	0	3.83	<13	PASS
		1	49	4.86	<13	PASS
		1	99	4.26	<13	PASS
		50	0	5.49	<13	PASS
		50	25	5.79	<13	PASS
		50	50	5.65	<13	PASS
		100	0	5.79	<13	PASS
	HCH	1	0	3.79	<13	PASS
		1	49	2.89	<13	PASS
		1	99	2.32	<13	PASS
		50	0	4.42	<13	PASS
		50	25	4.38	<13	PASS
		50	50	4.65	<13	PASS
		100	0	4.85	<13	PASS
	LCH	1	0	5.78	<13	PASS
		1	49	5.31	<13	PASS
		1	99	4.66	<13	PASS
		50	0	6.59	<13	PASS
		50	25	6.2	<13	PASS
		50	50	5.85	<13	PASS
		100	0	6.29	<13	PASS
	MCH	1	0	4.6	<13	PASS
		1	49	5.68	<13	PASS
		1	99	5.35	<13	PASS
		50	0	6.34	<13	PASS
		50	25	6.64	<13	PASS
		50	50	6.5	<13	PASS
		100	0	6.47	<13	PASS
	HCH	1	0	4.57	<13	PASS
		1	49	3.74	<13	PASS
		1	99	3.3	<13	PASS
		50	0	5.26	<13	PASS
		50	25	5.22	<13	PASS
		50	50	5.54	<13	PASS
		100	0	5.65	<13	PASS

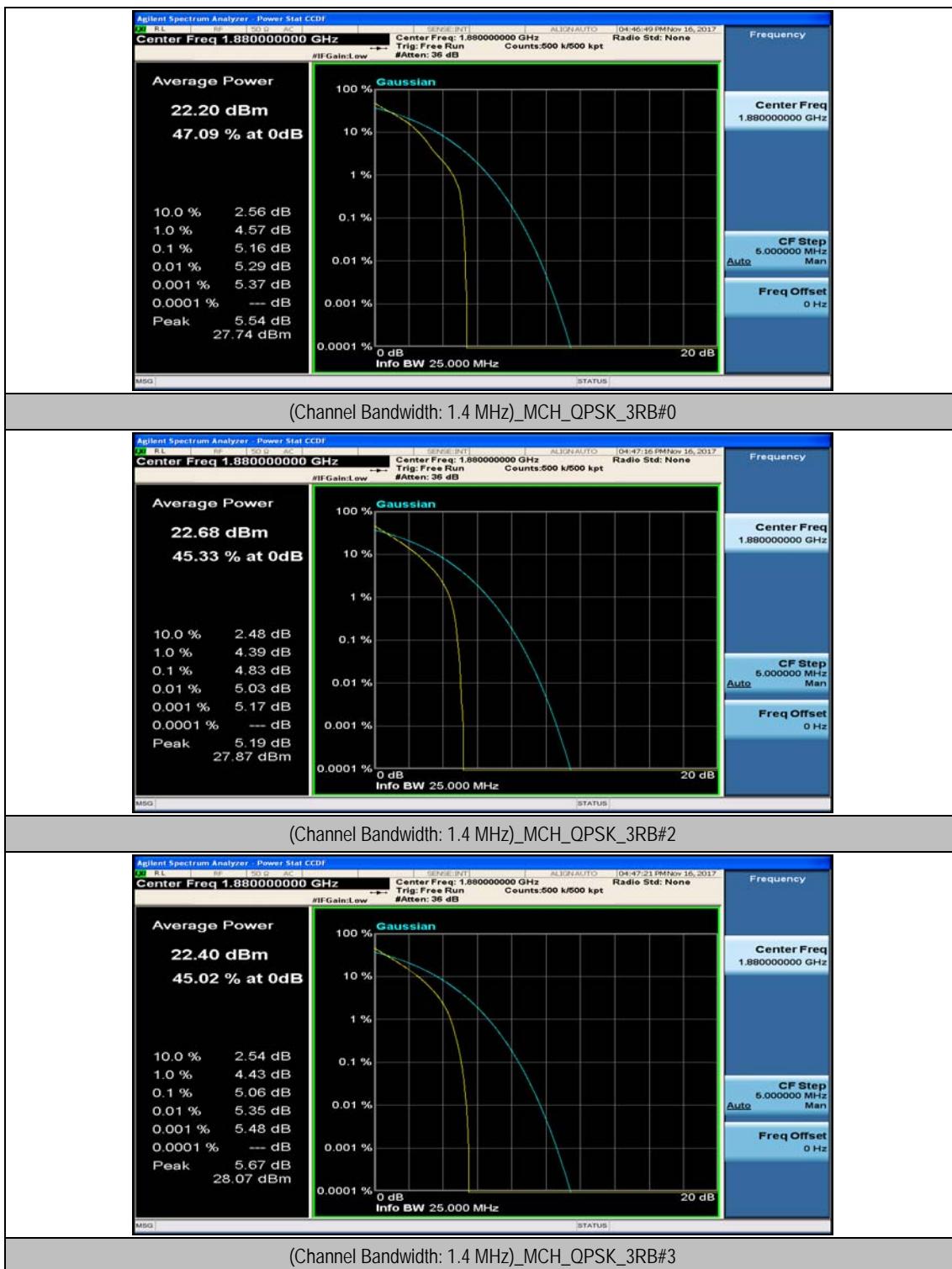
## Test Graphs

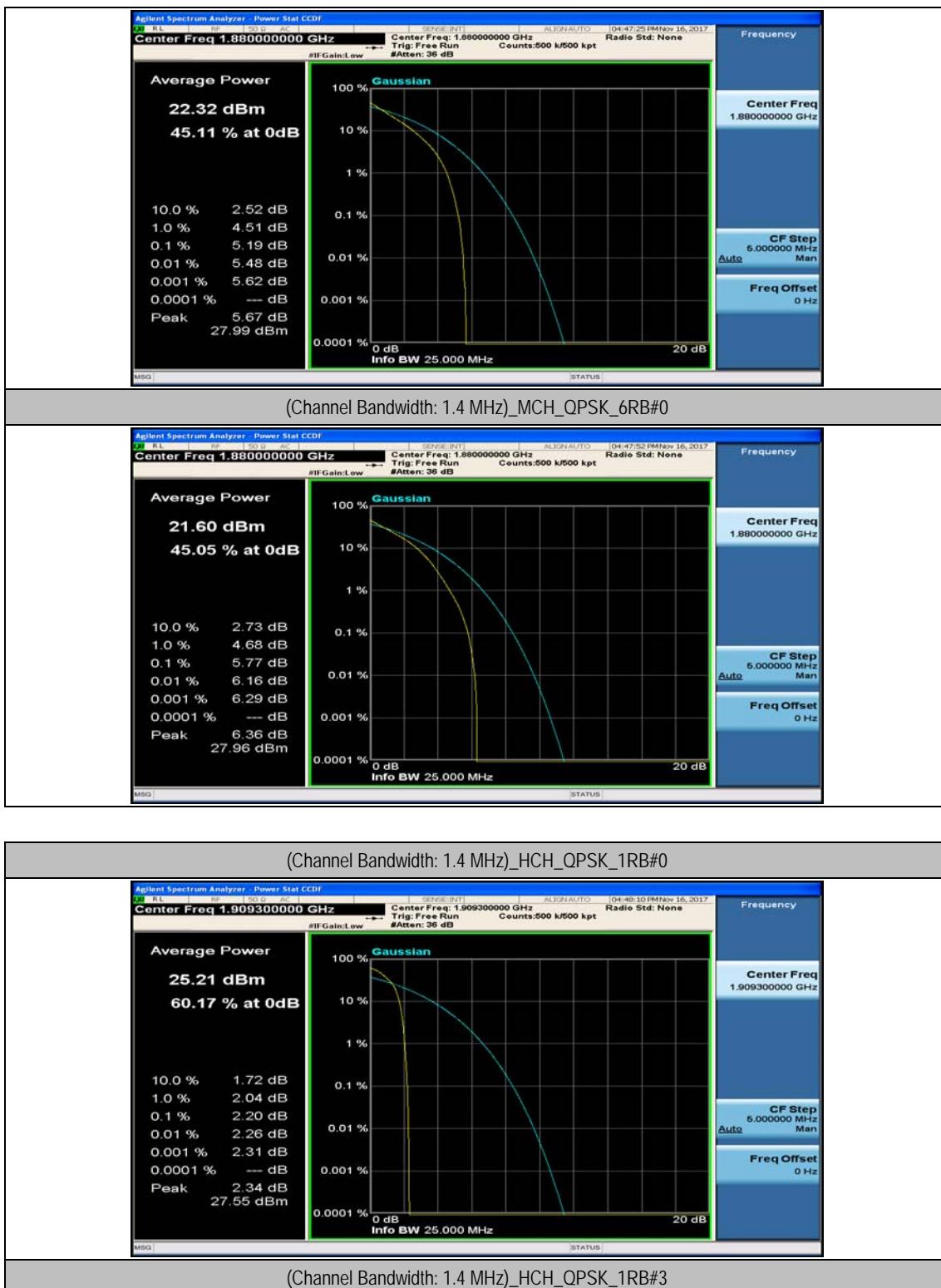
### Channel Bandwidth: 1.4 MHz

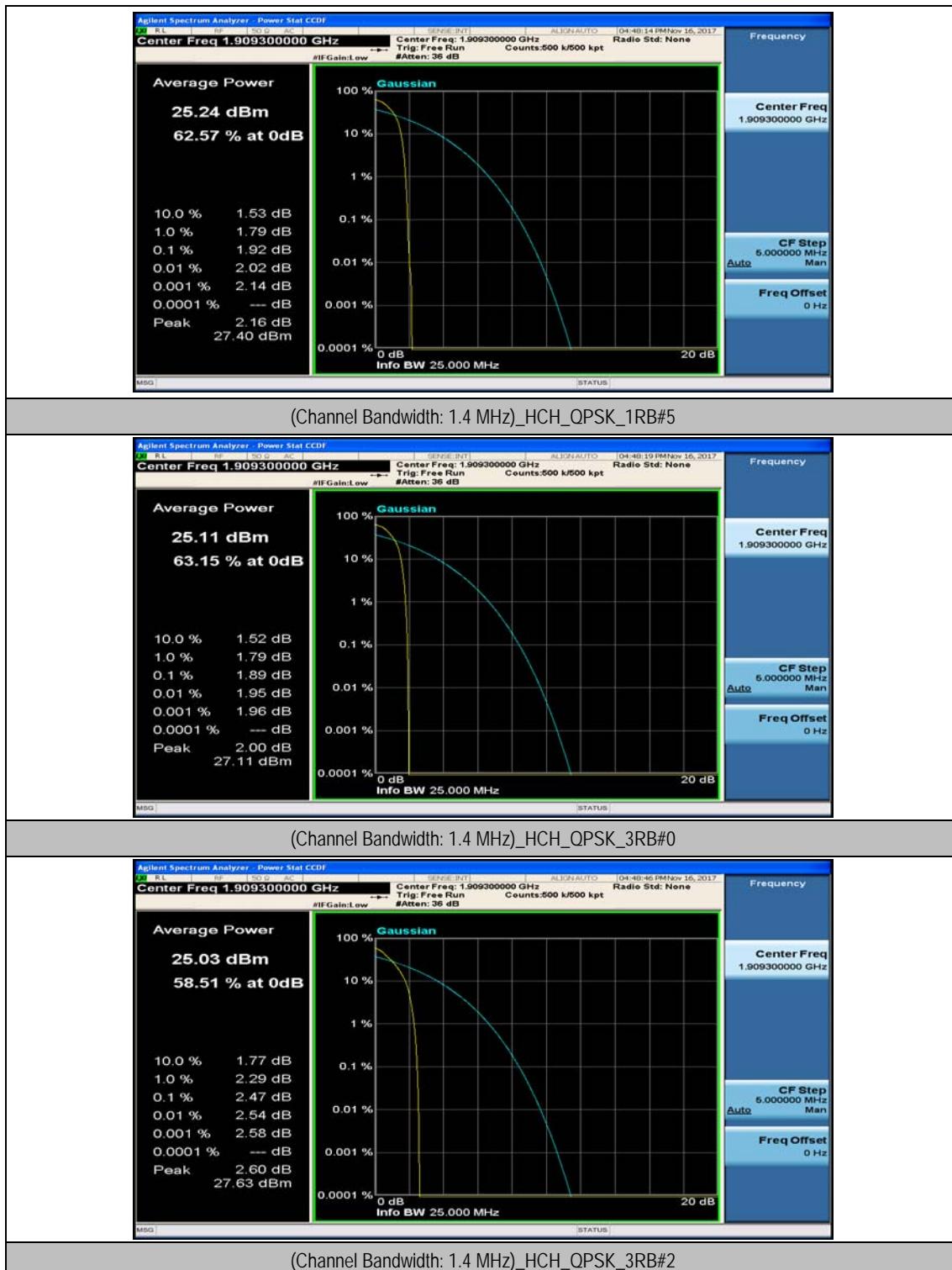


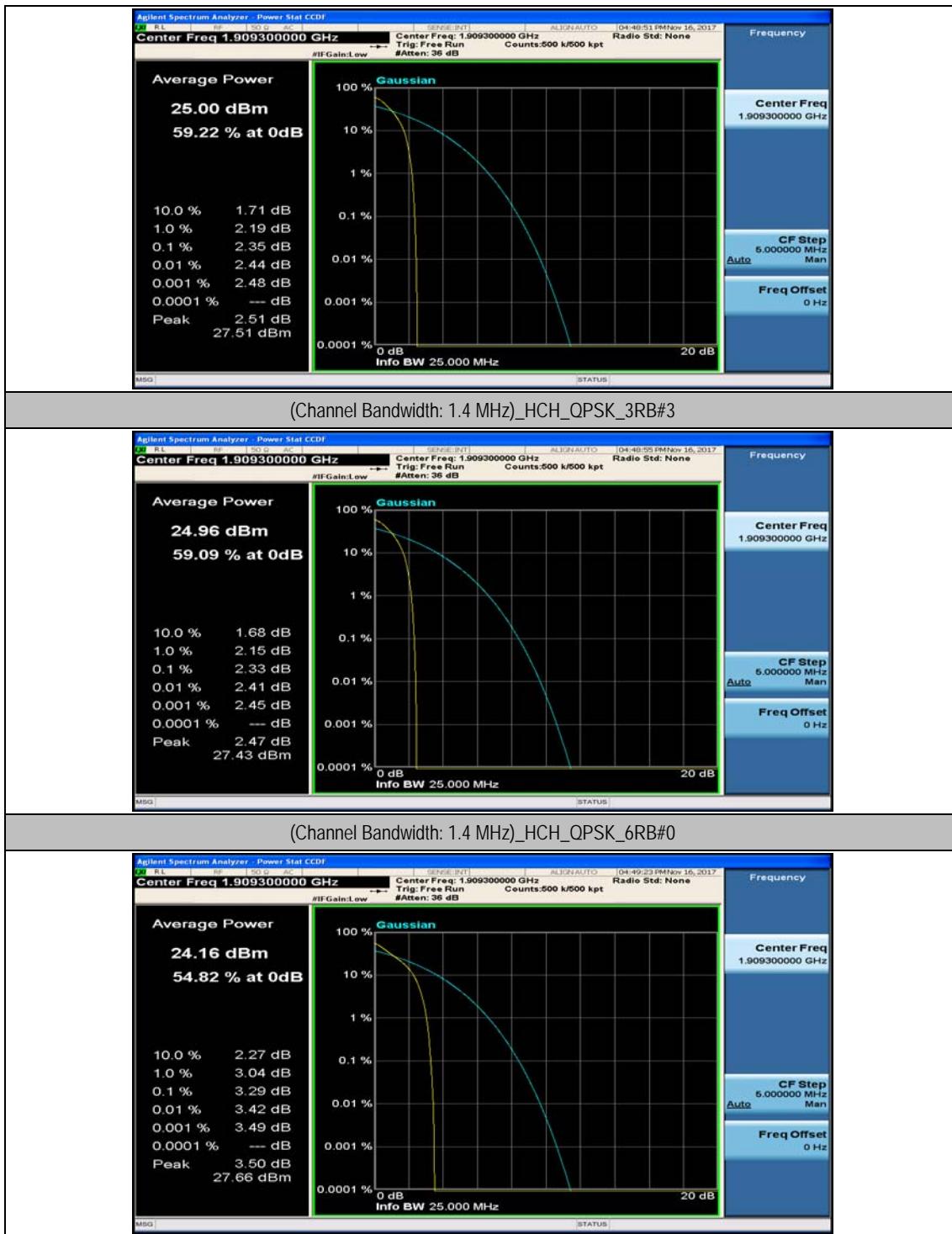


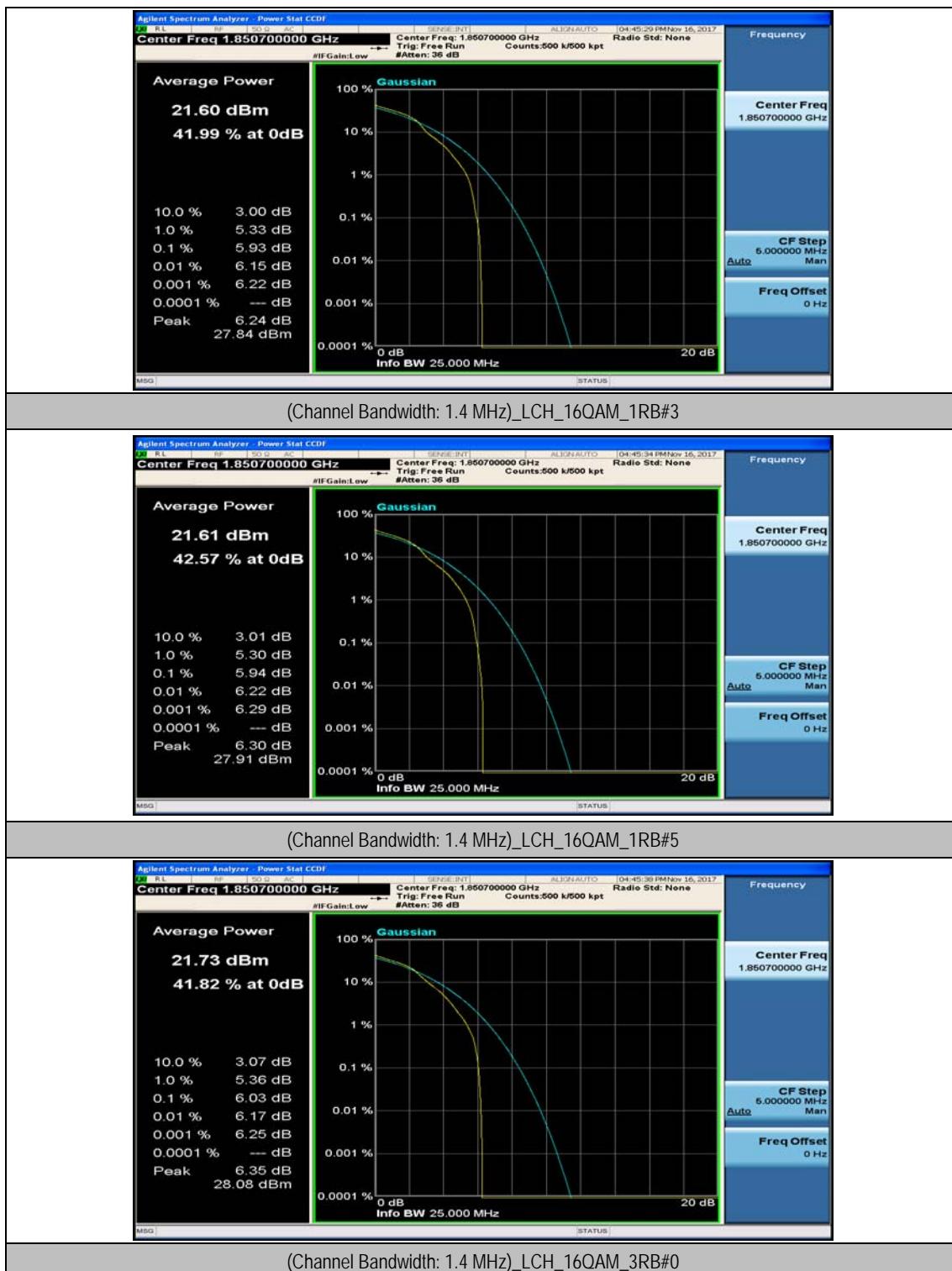


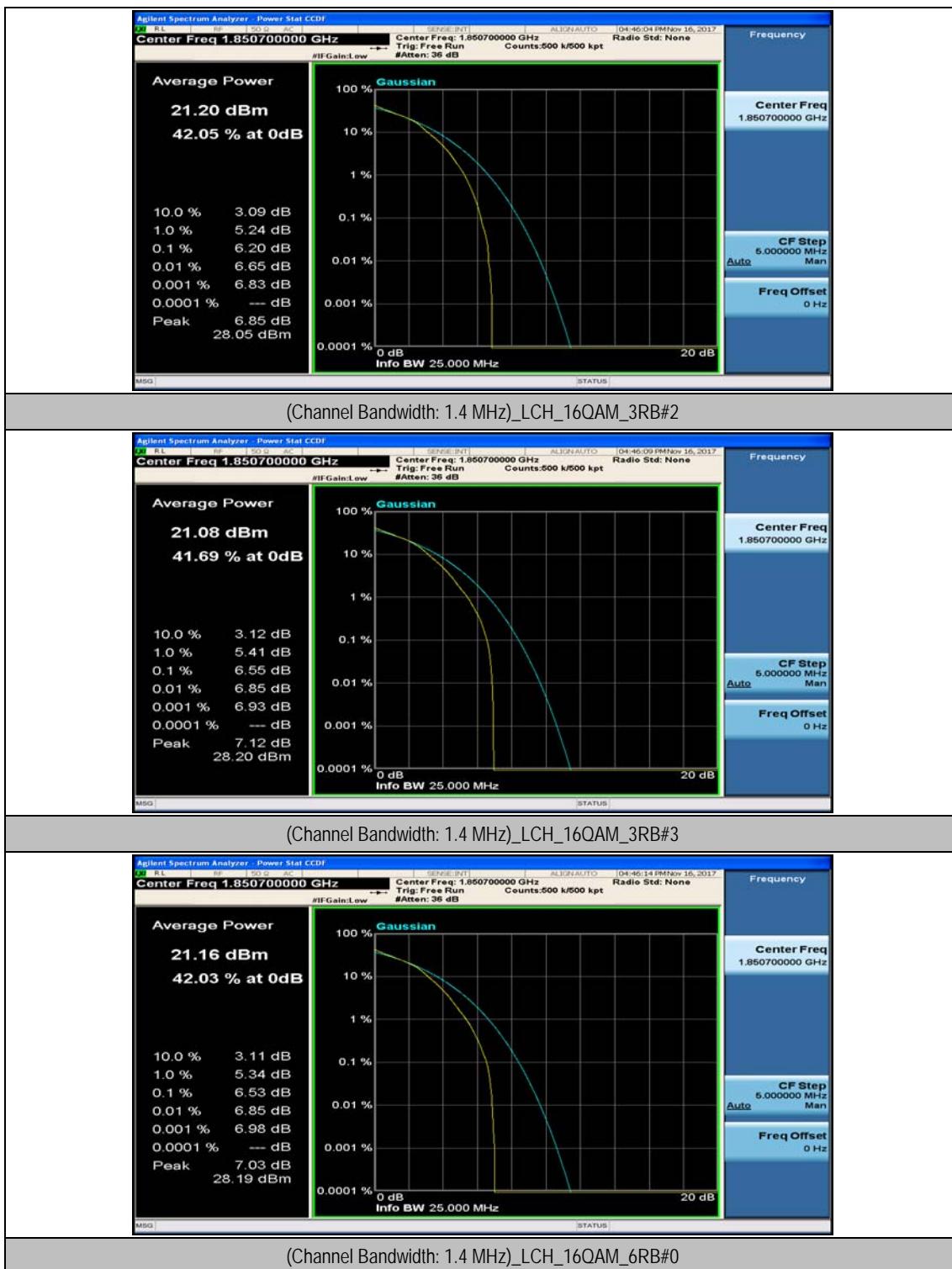


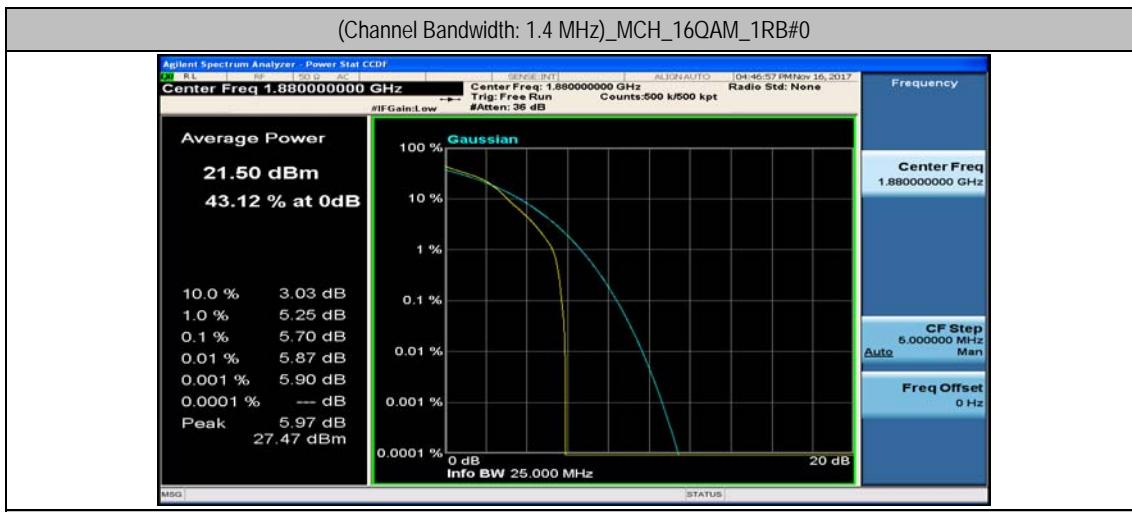
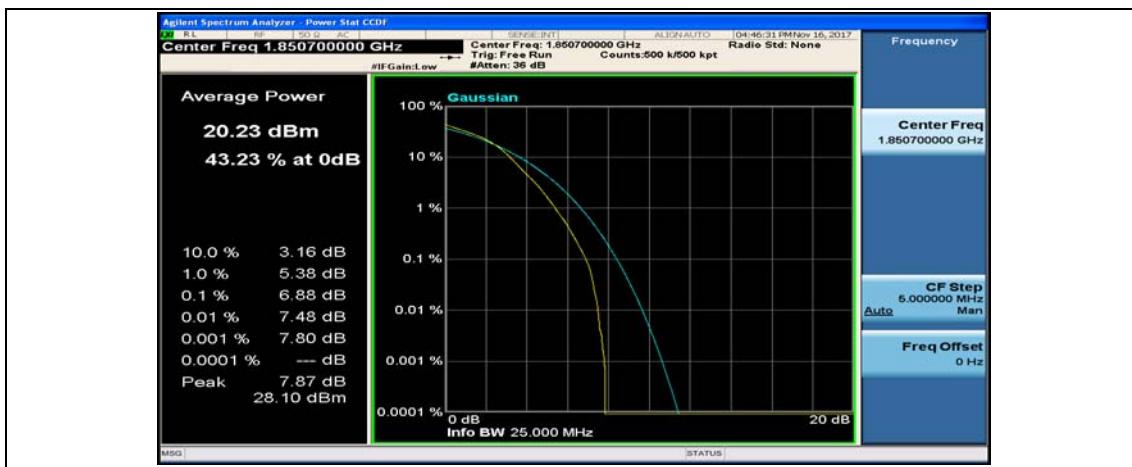


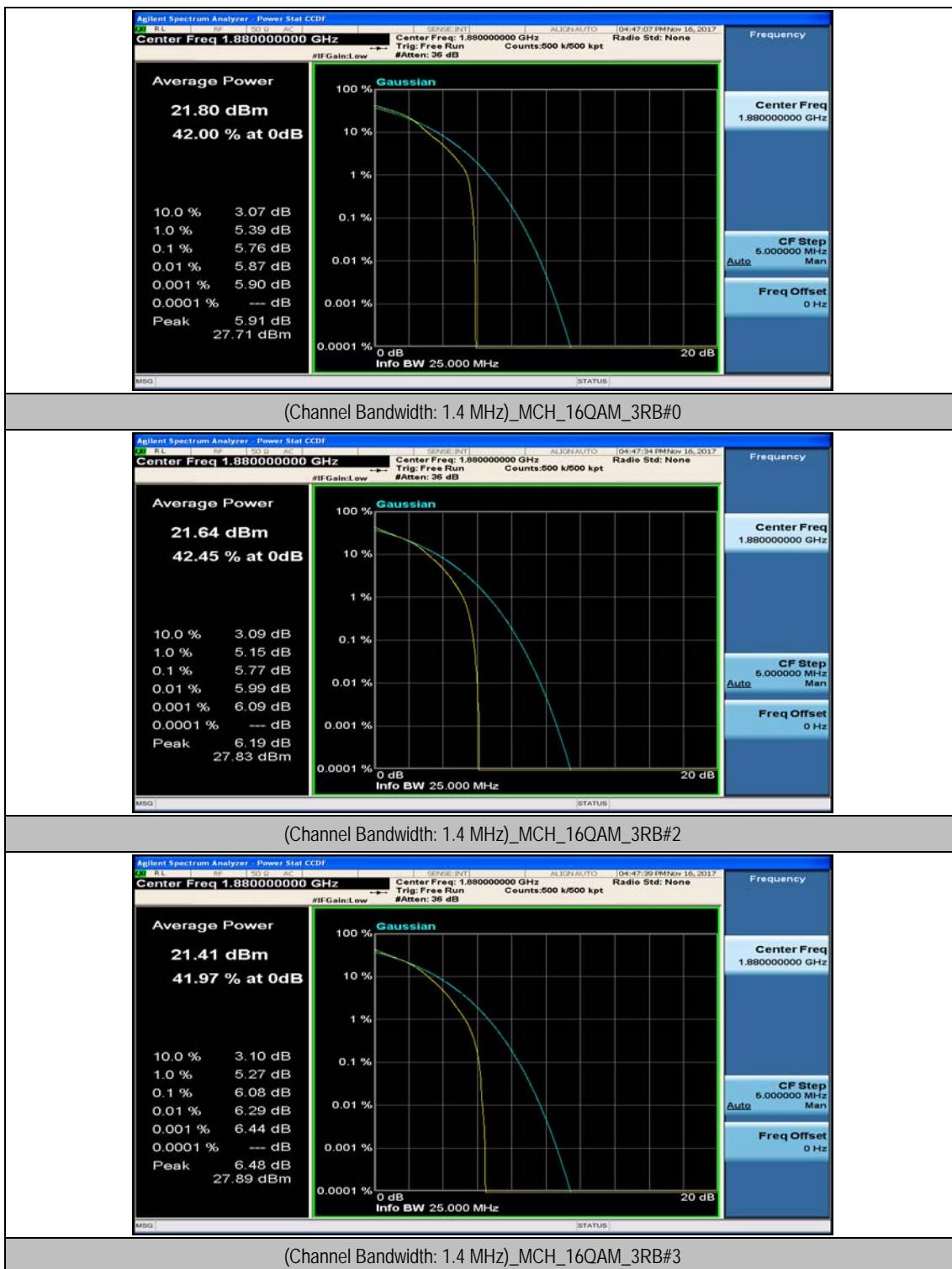


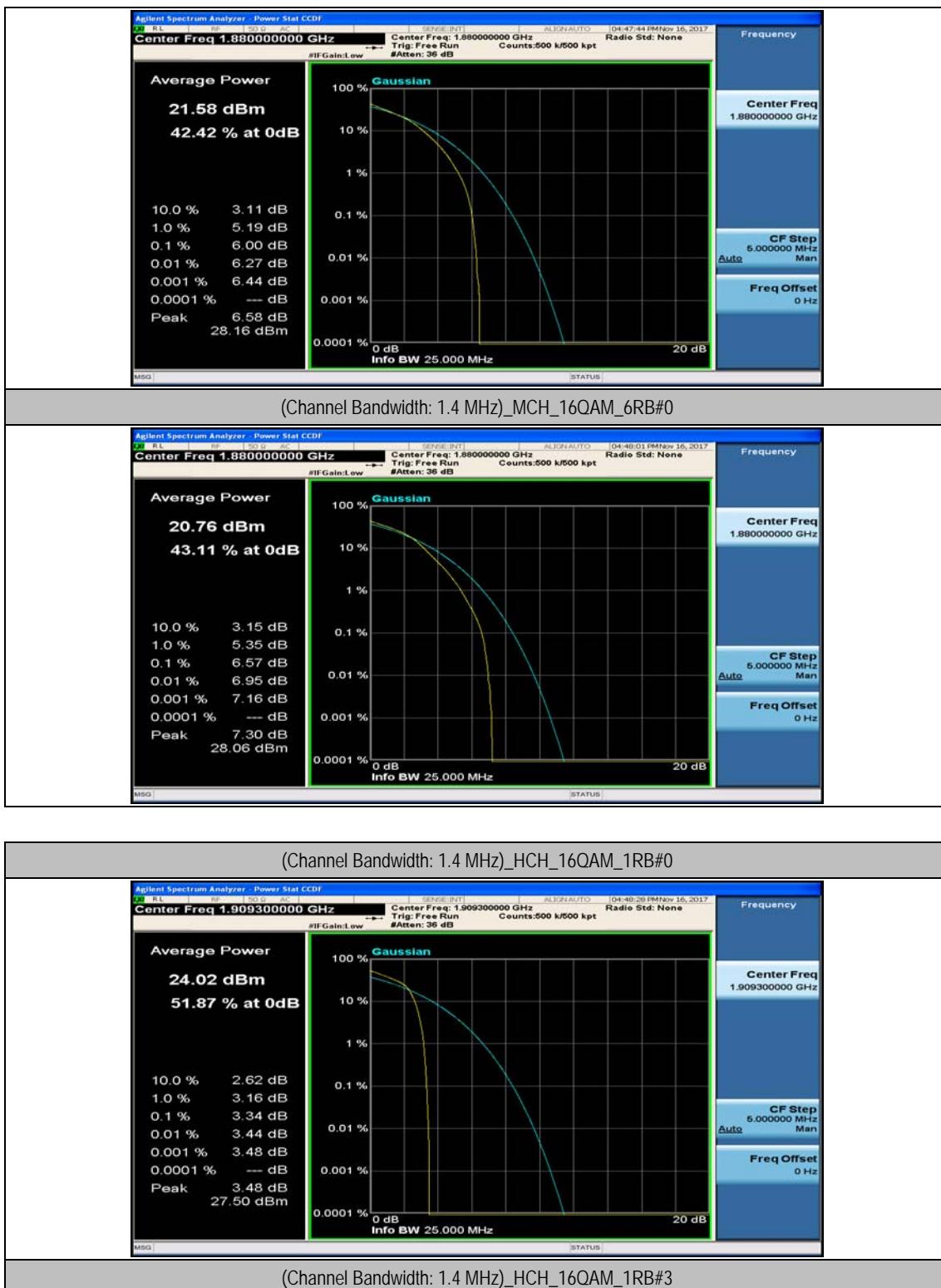


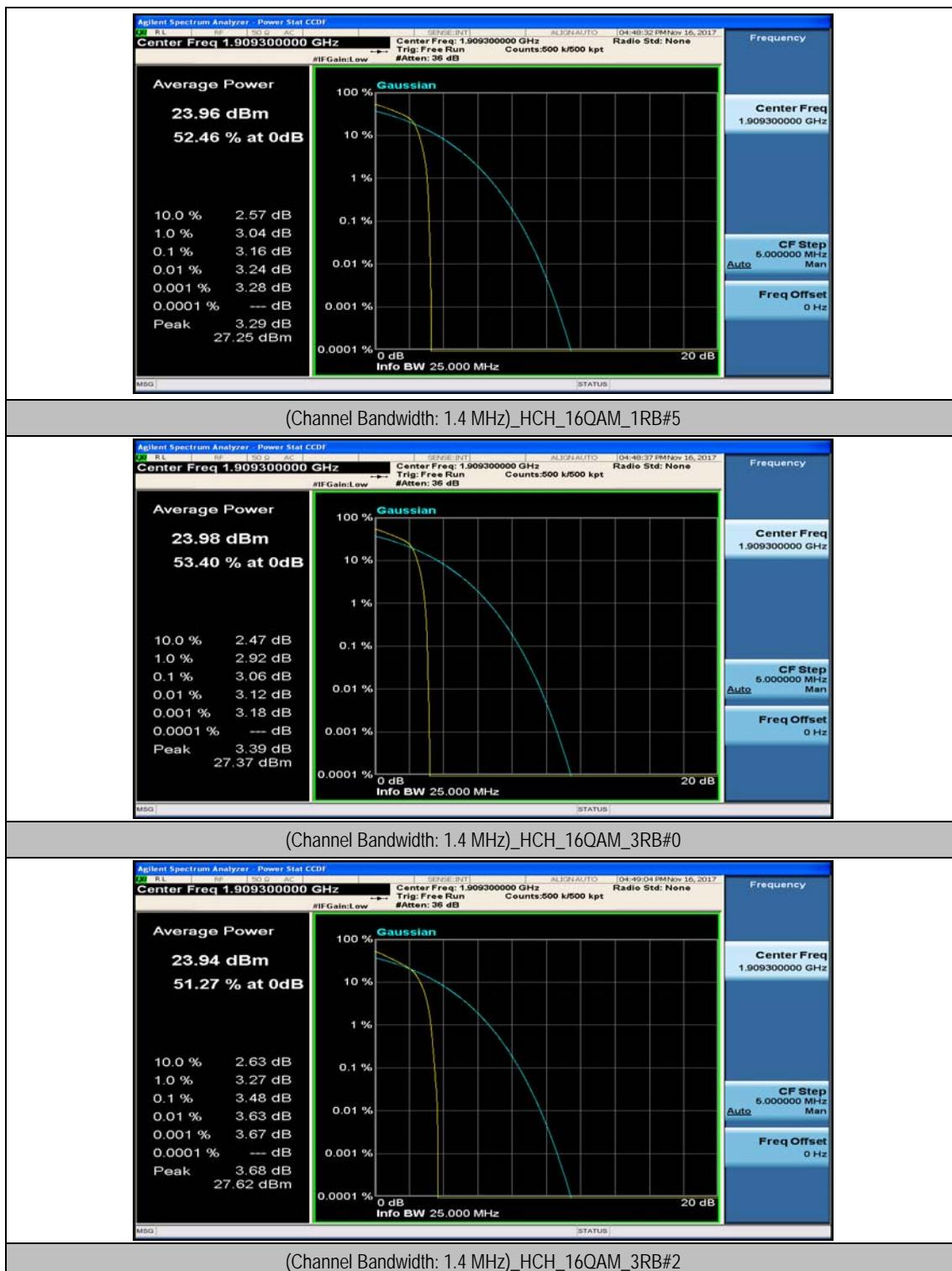


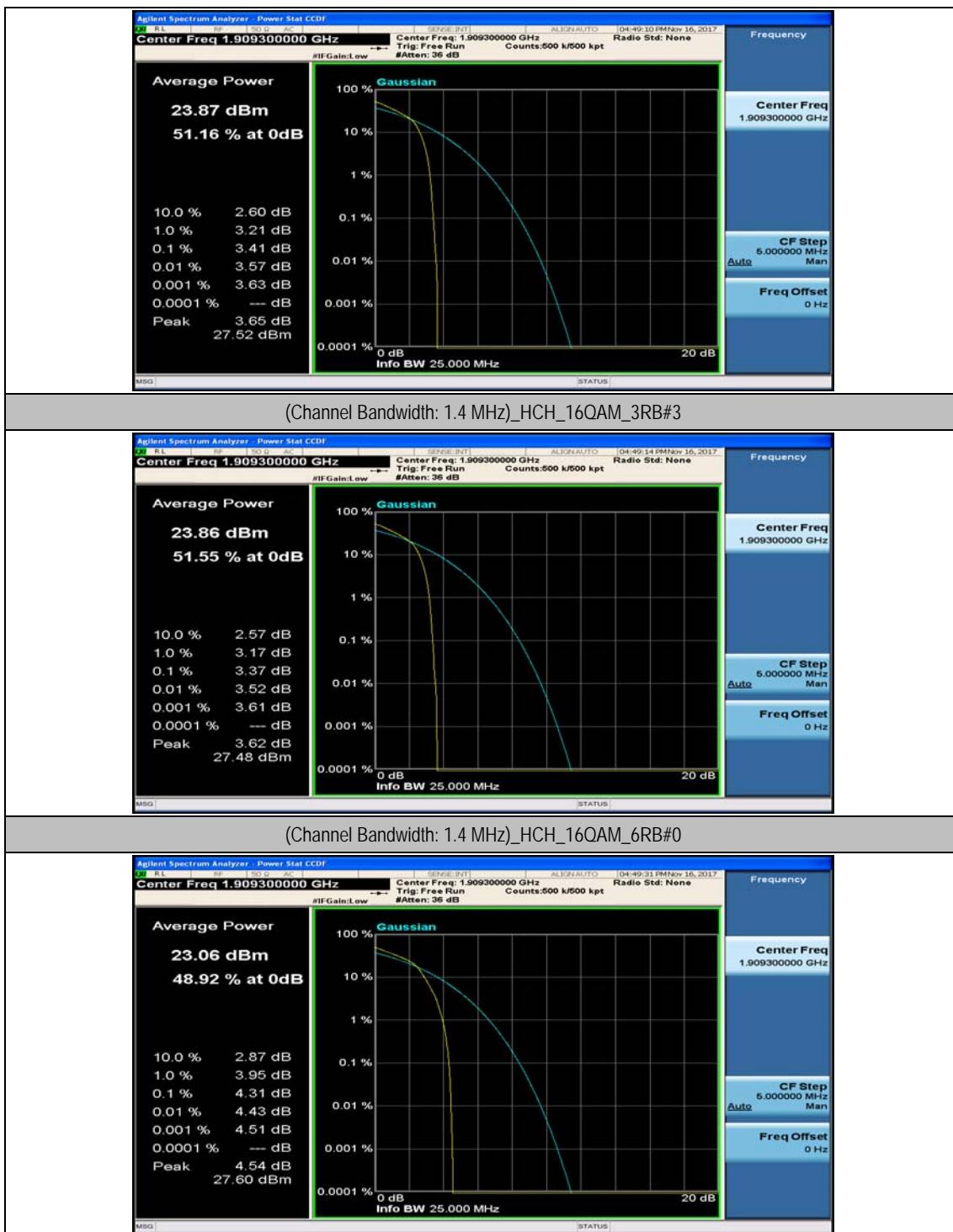




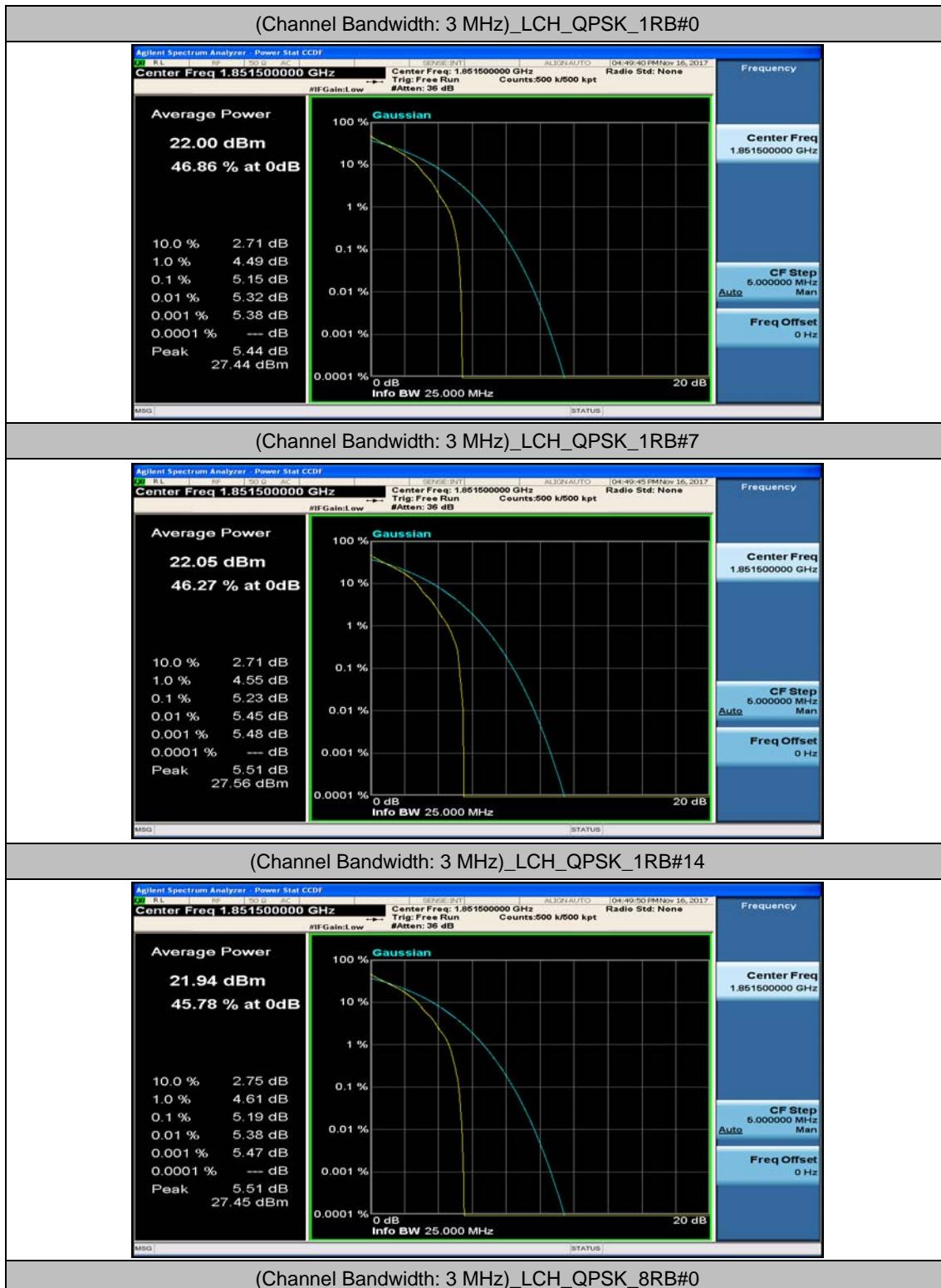


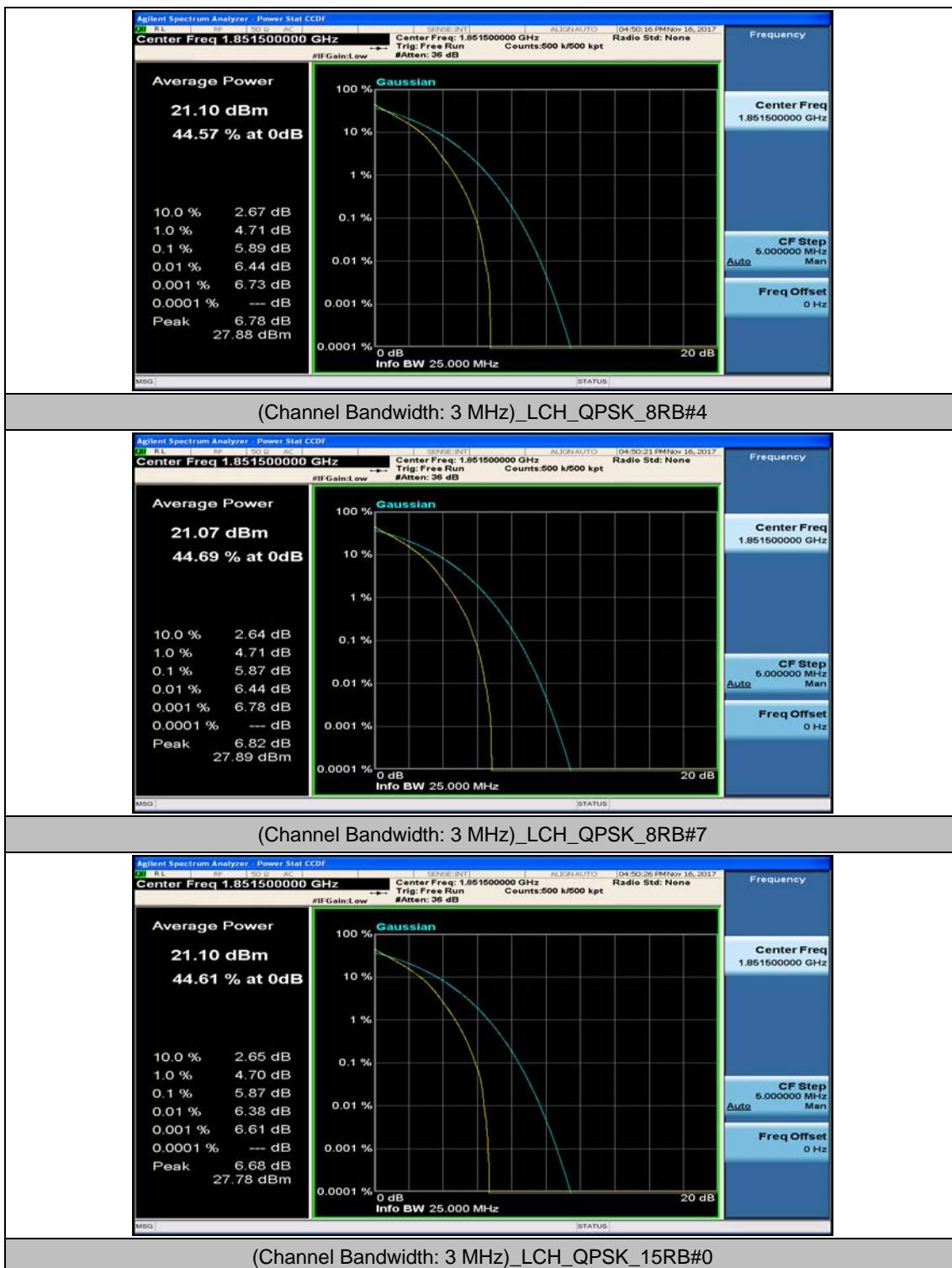


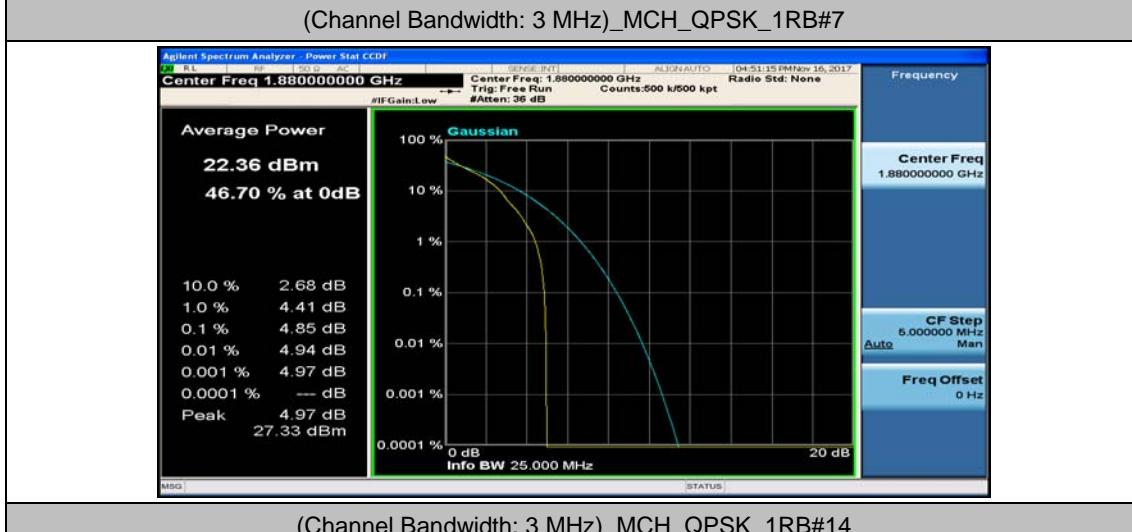
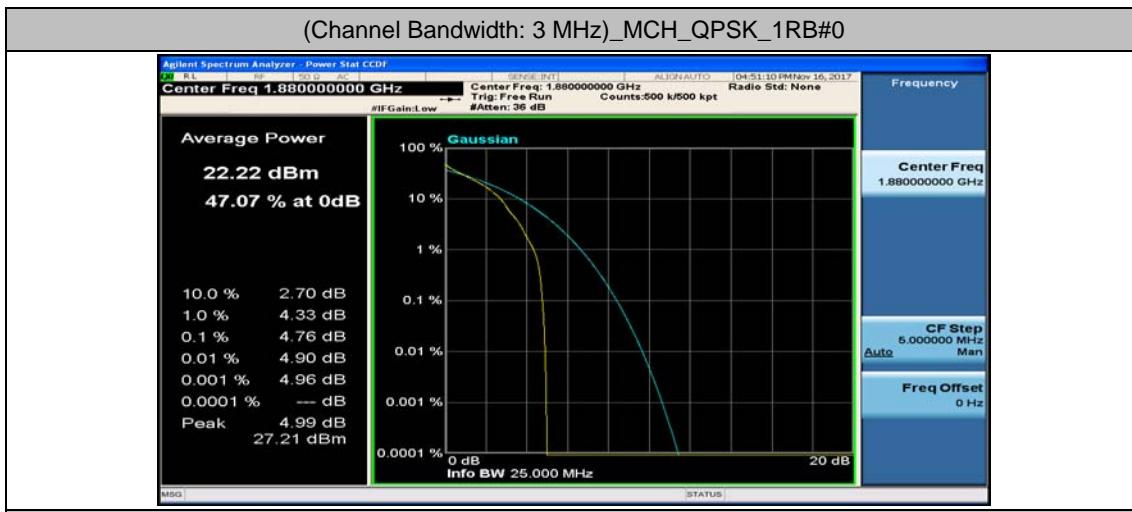
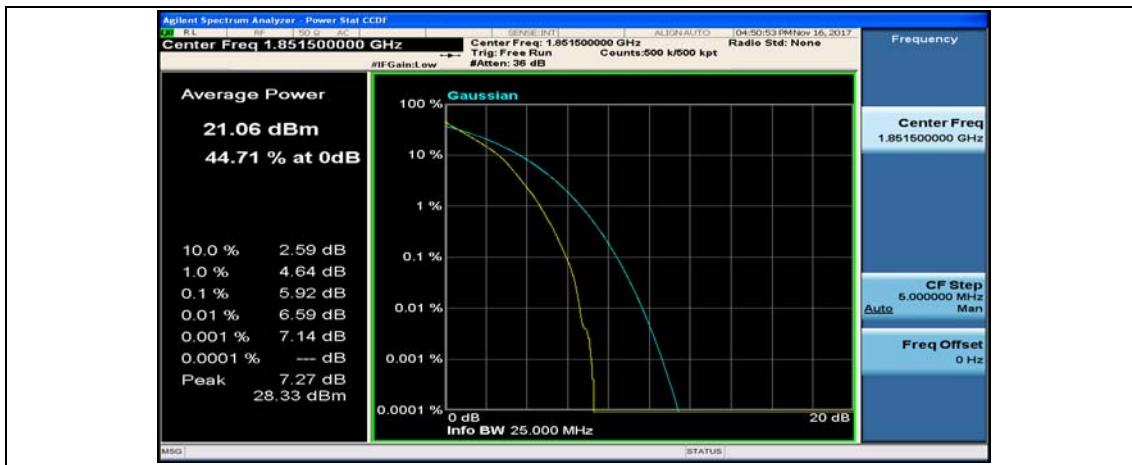




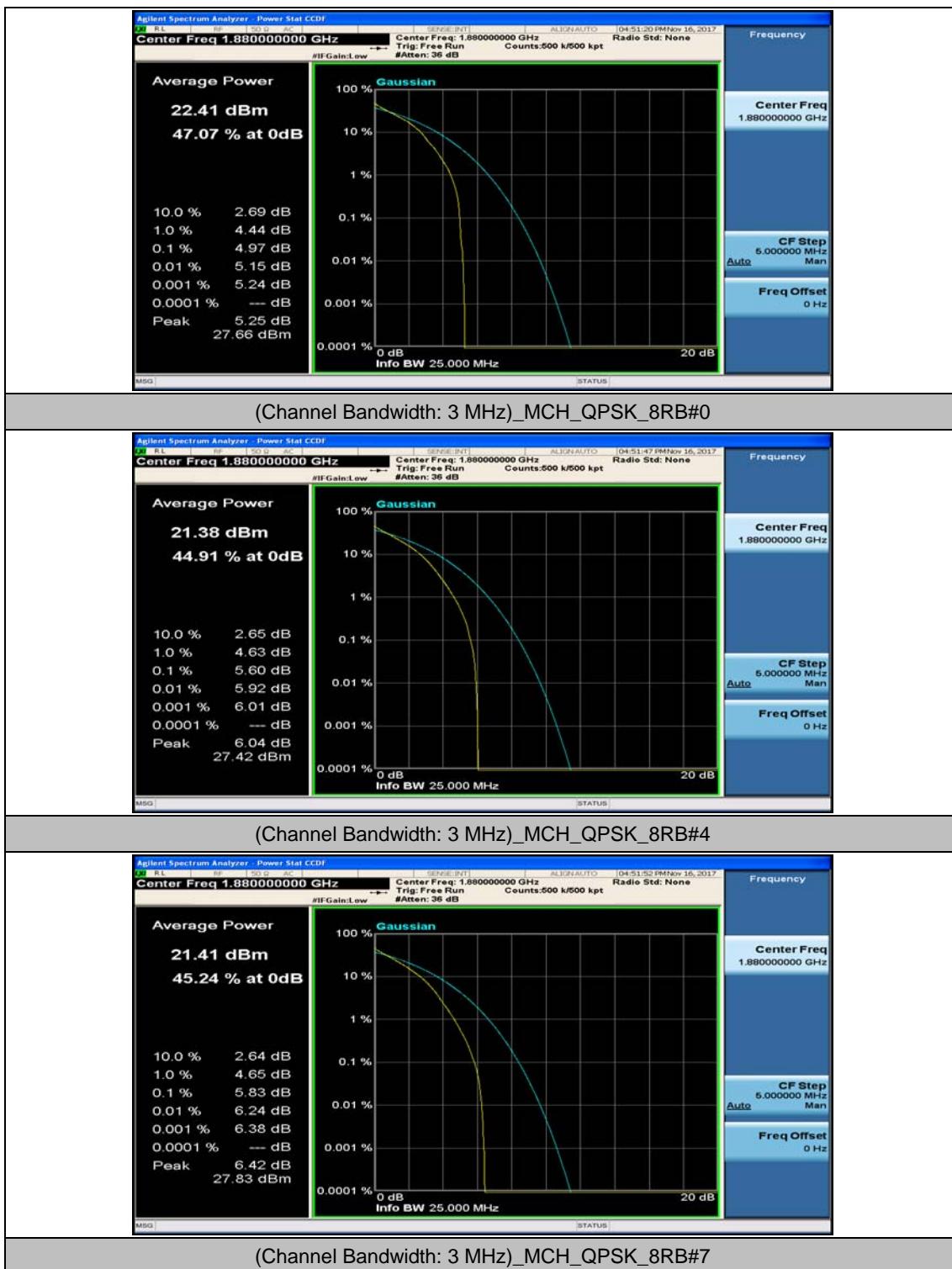
## Channel Bandwidth: 3 MHz

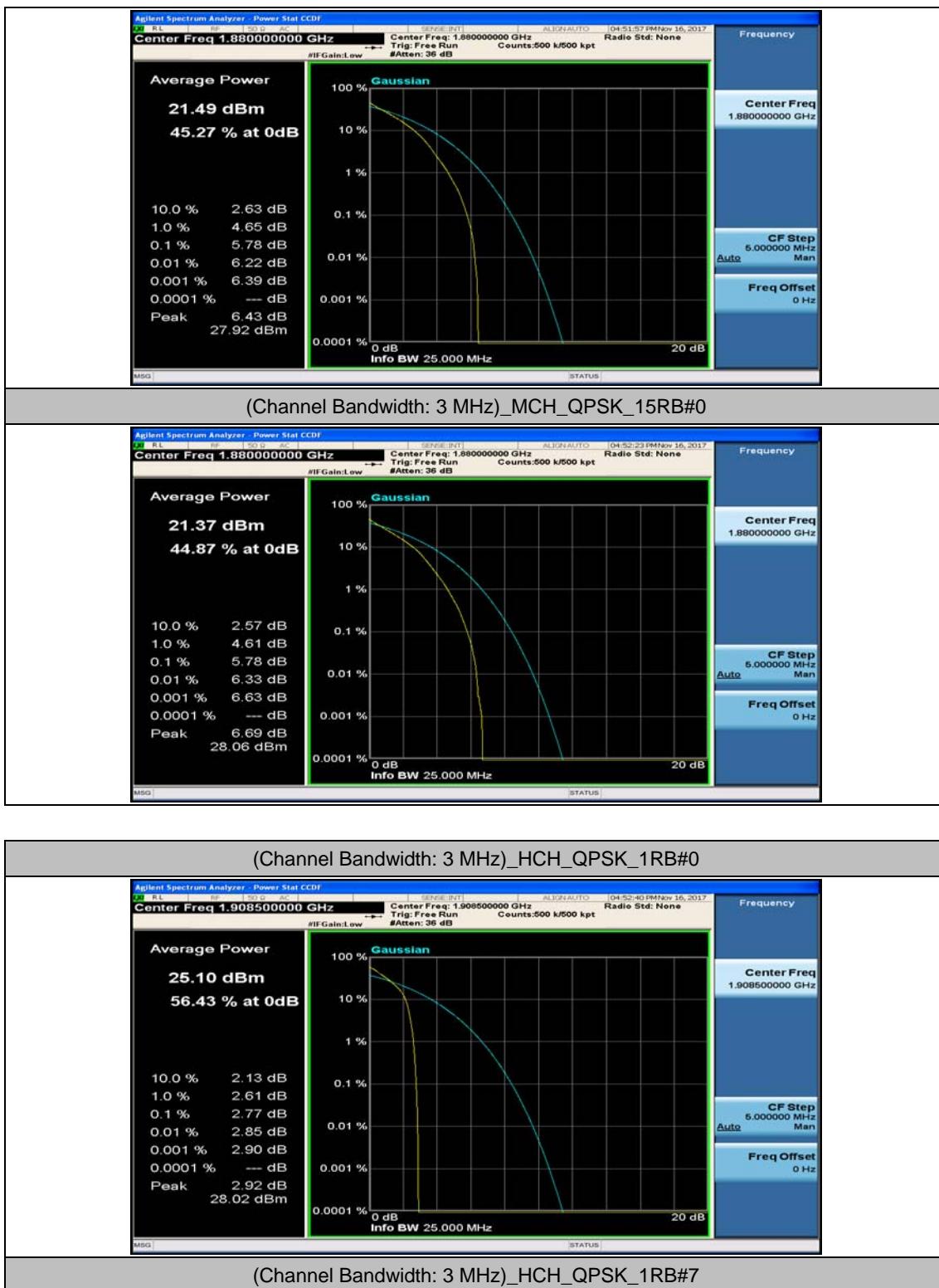


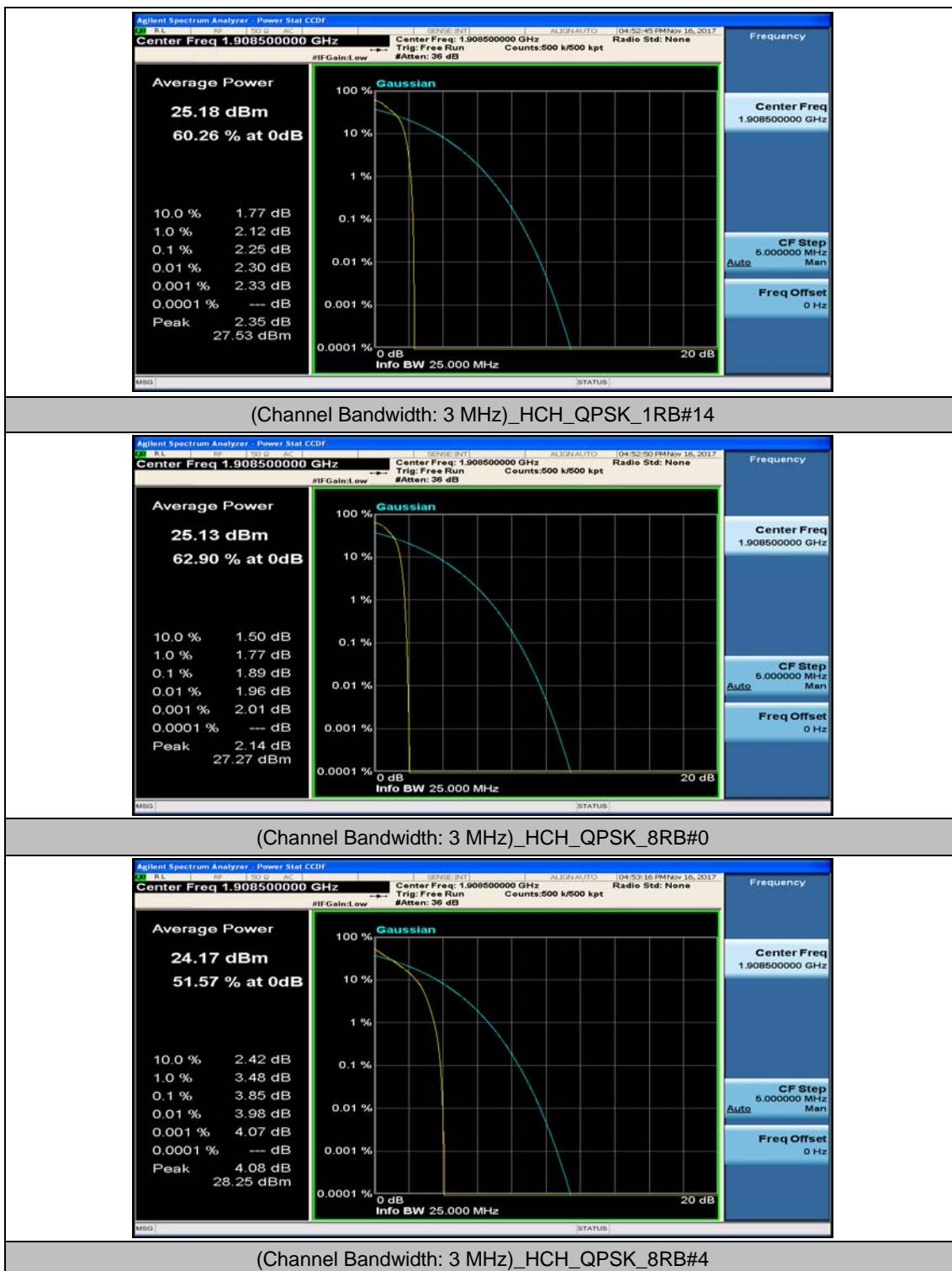


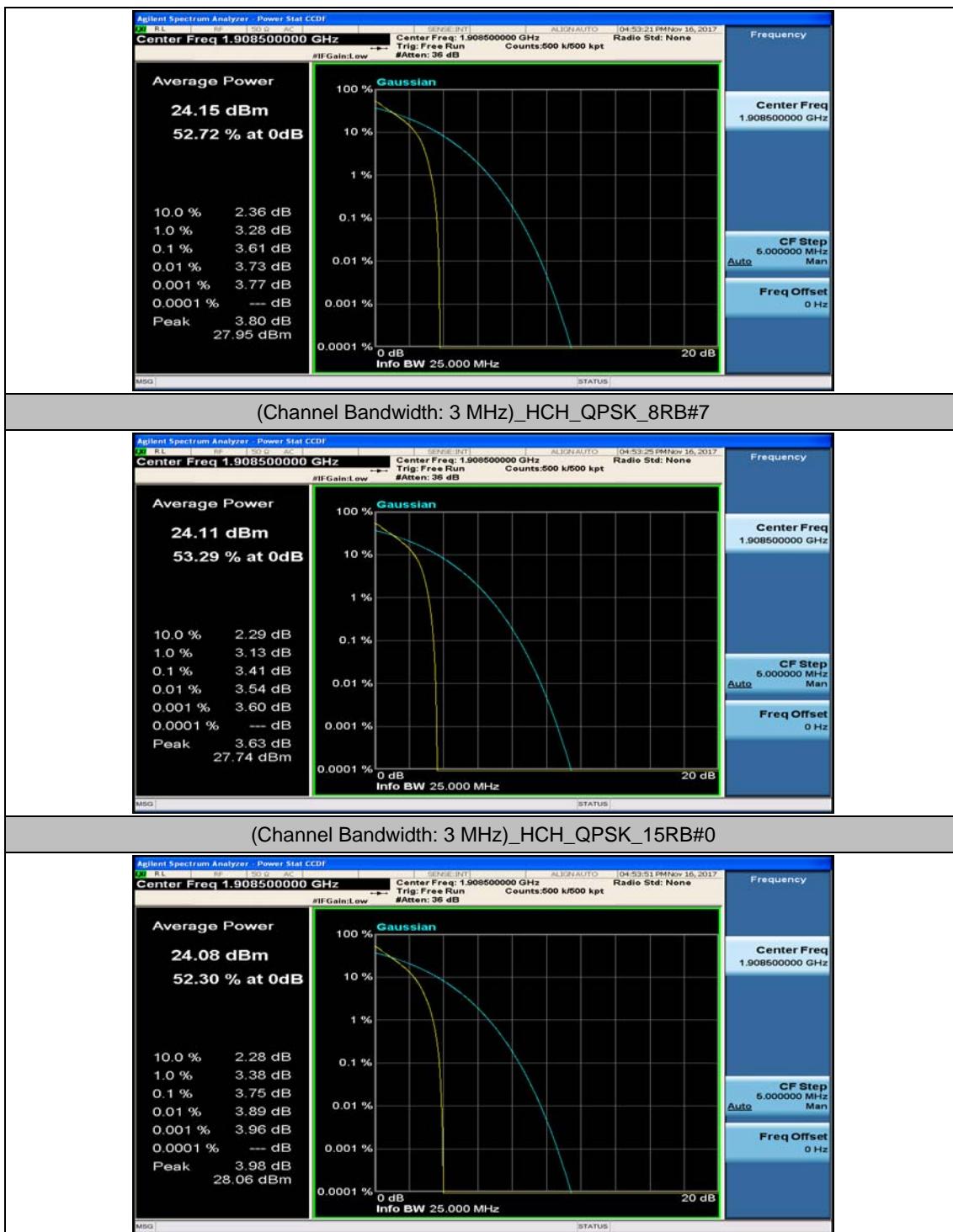


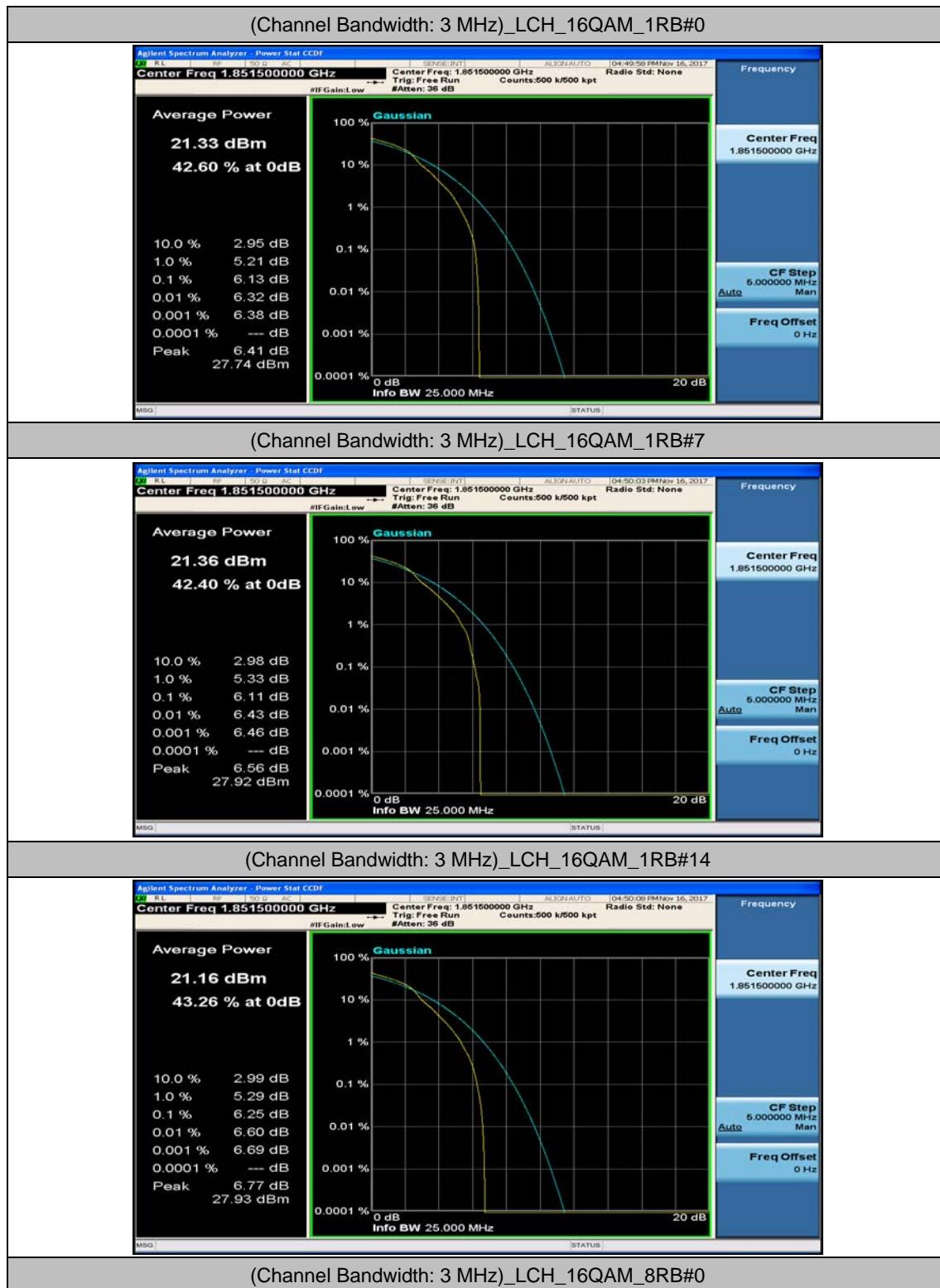
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14

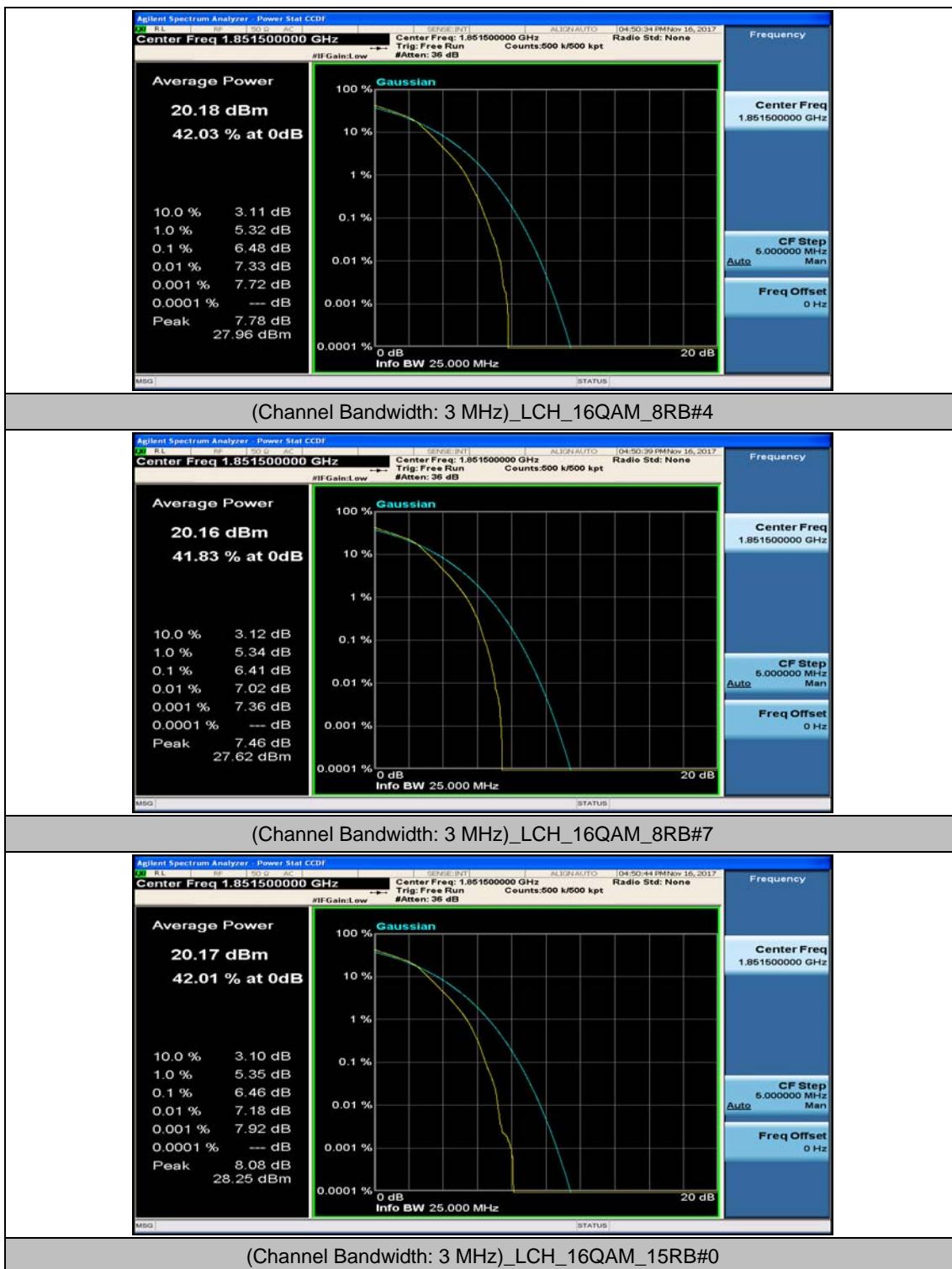


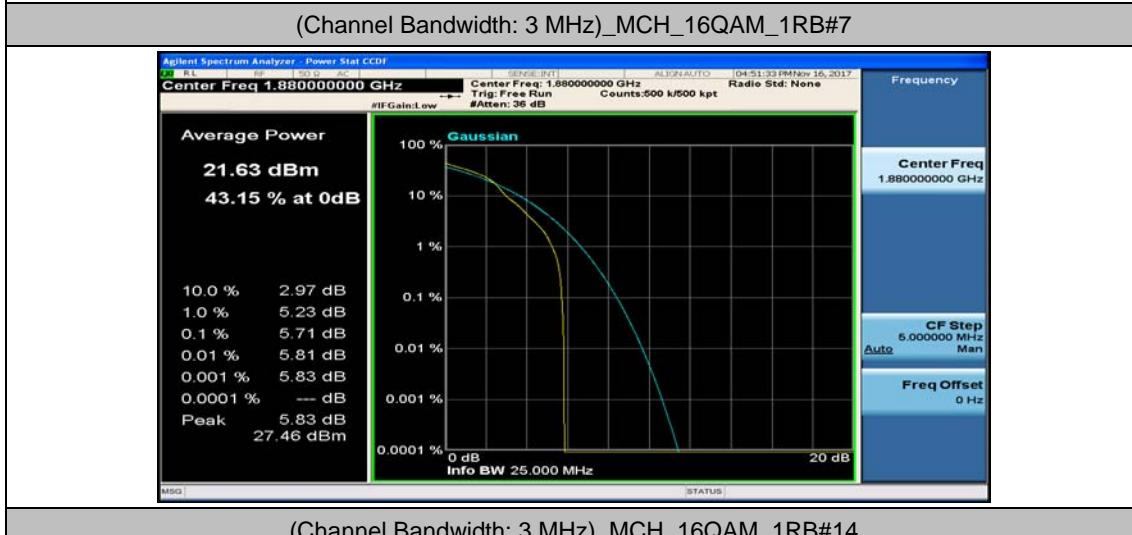
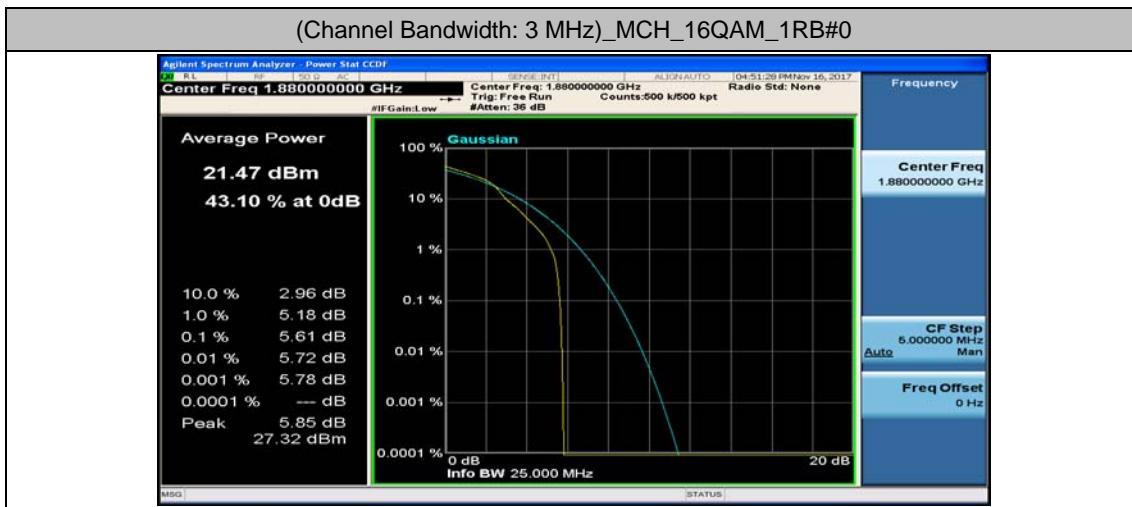
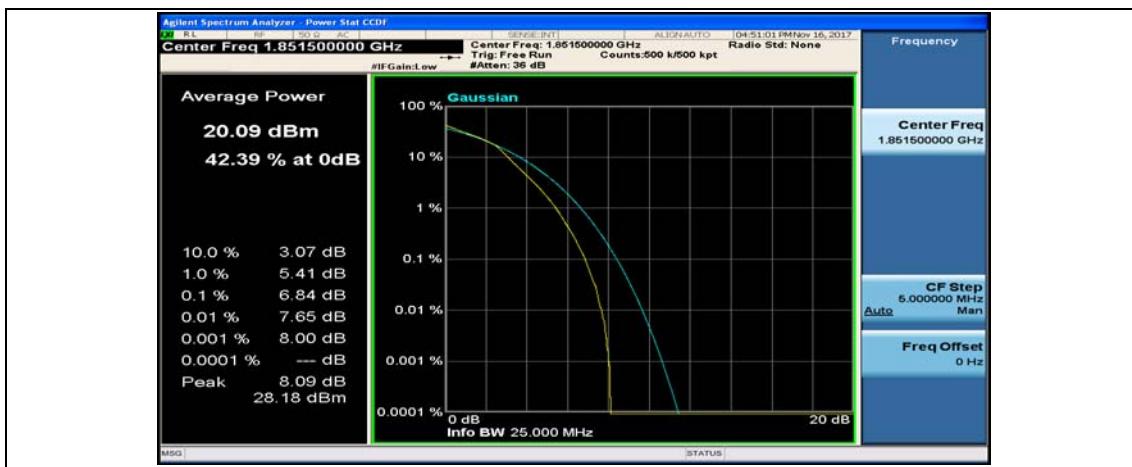




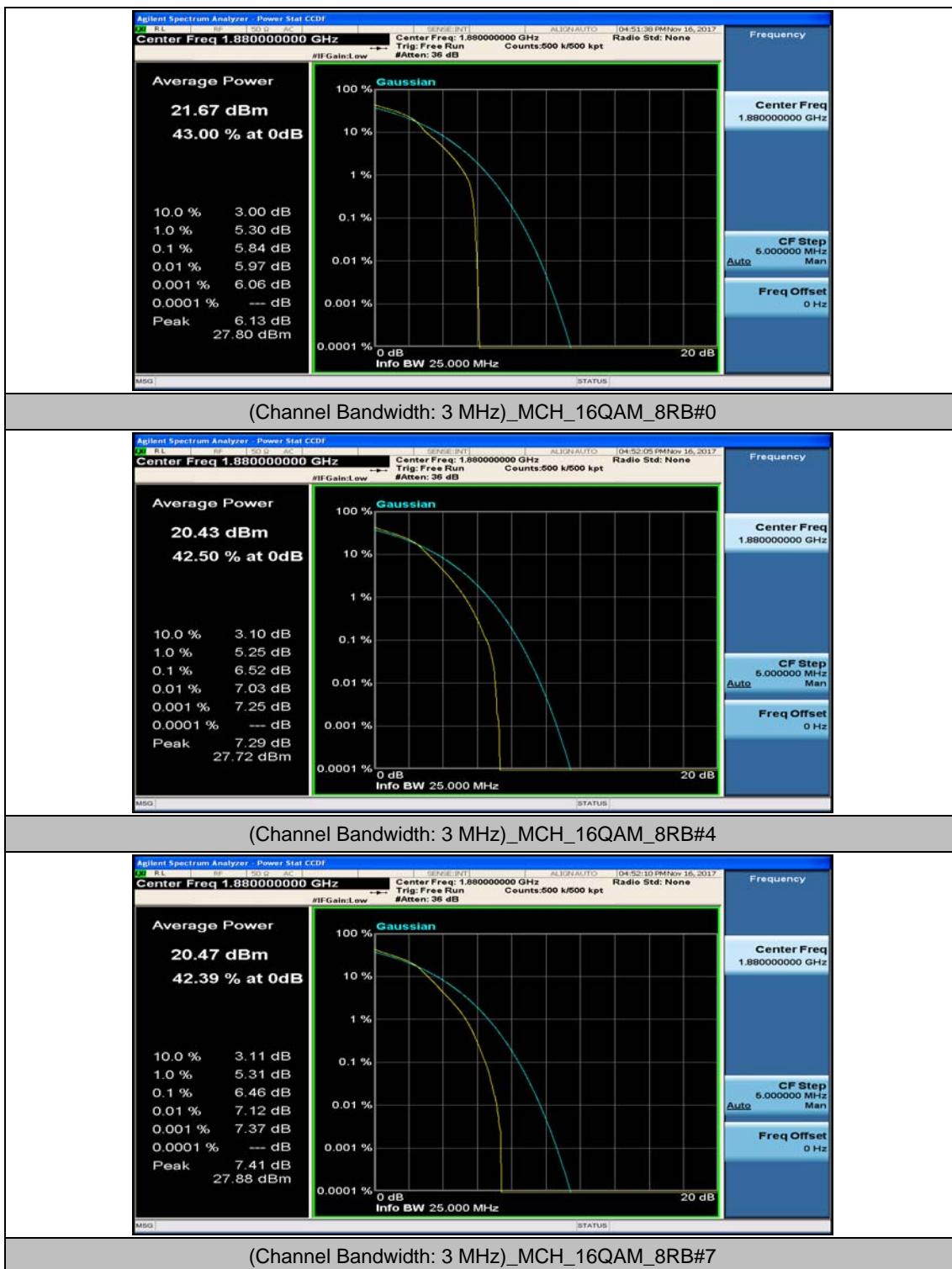


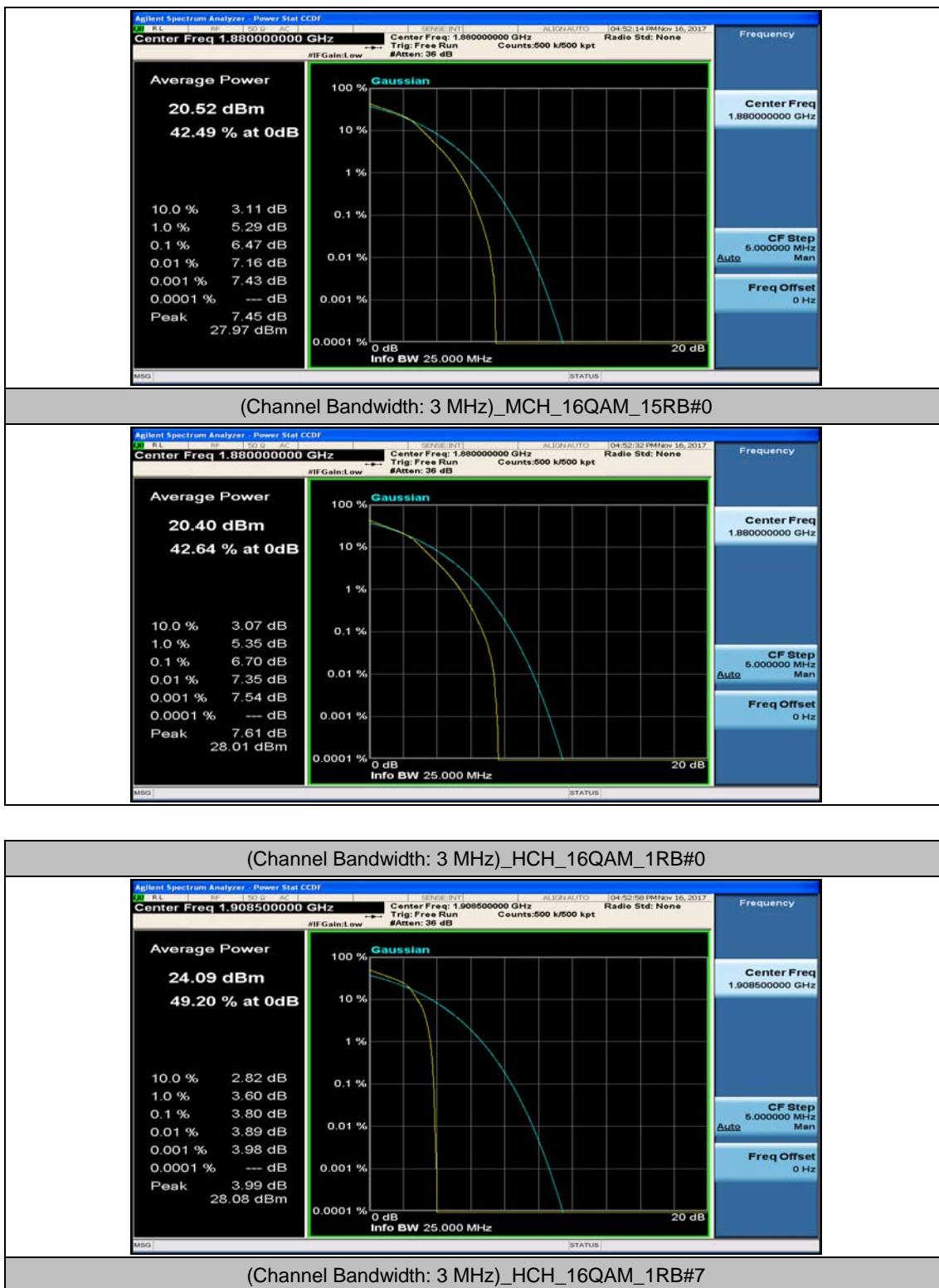


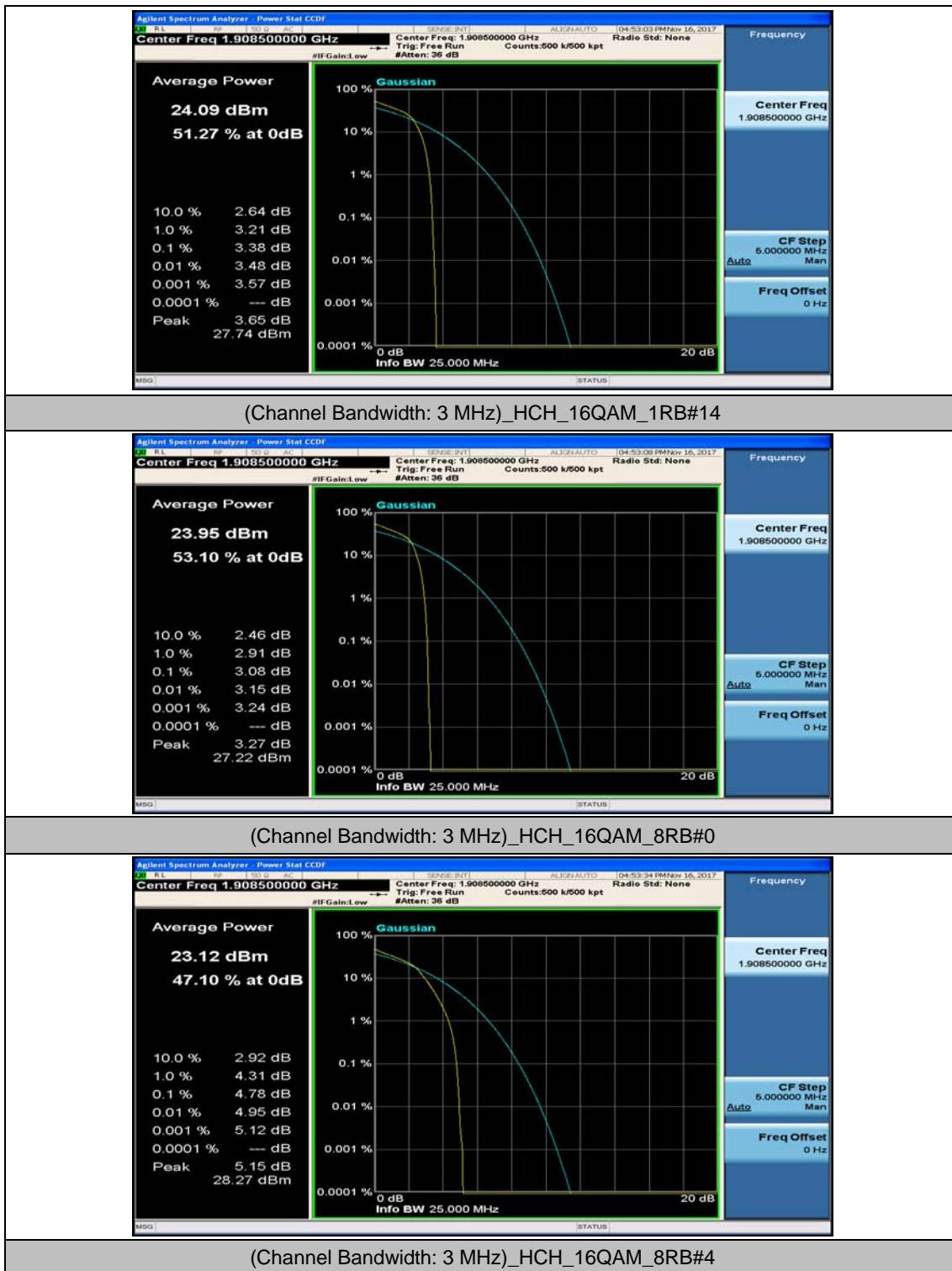


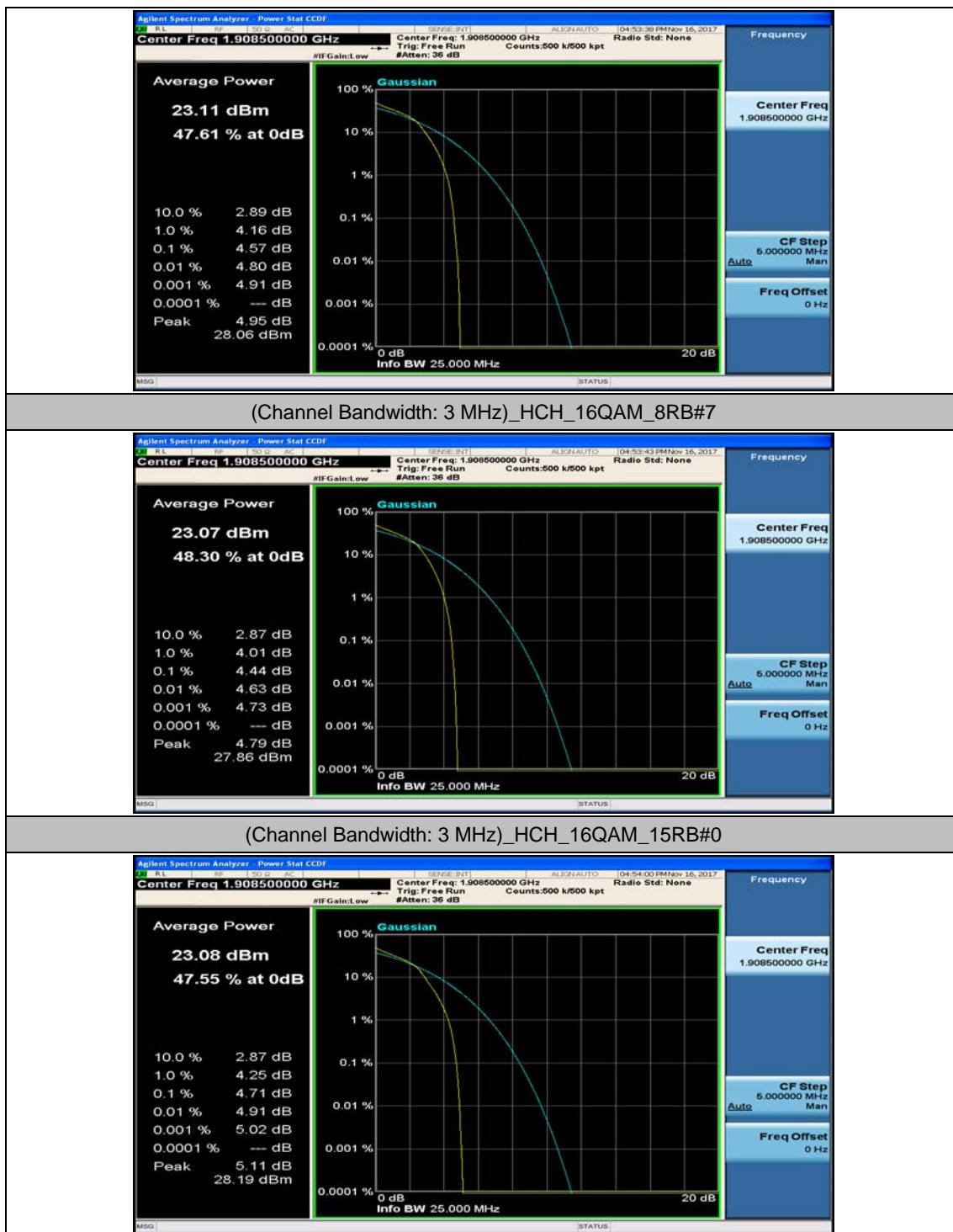


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

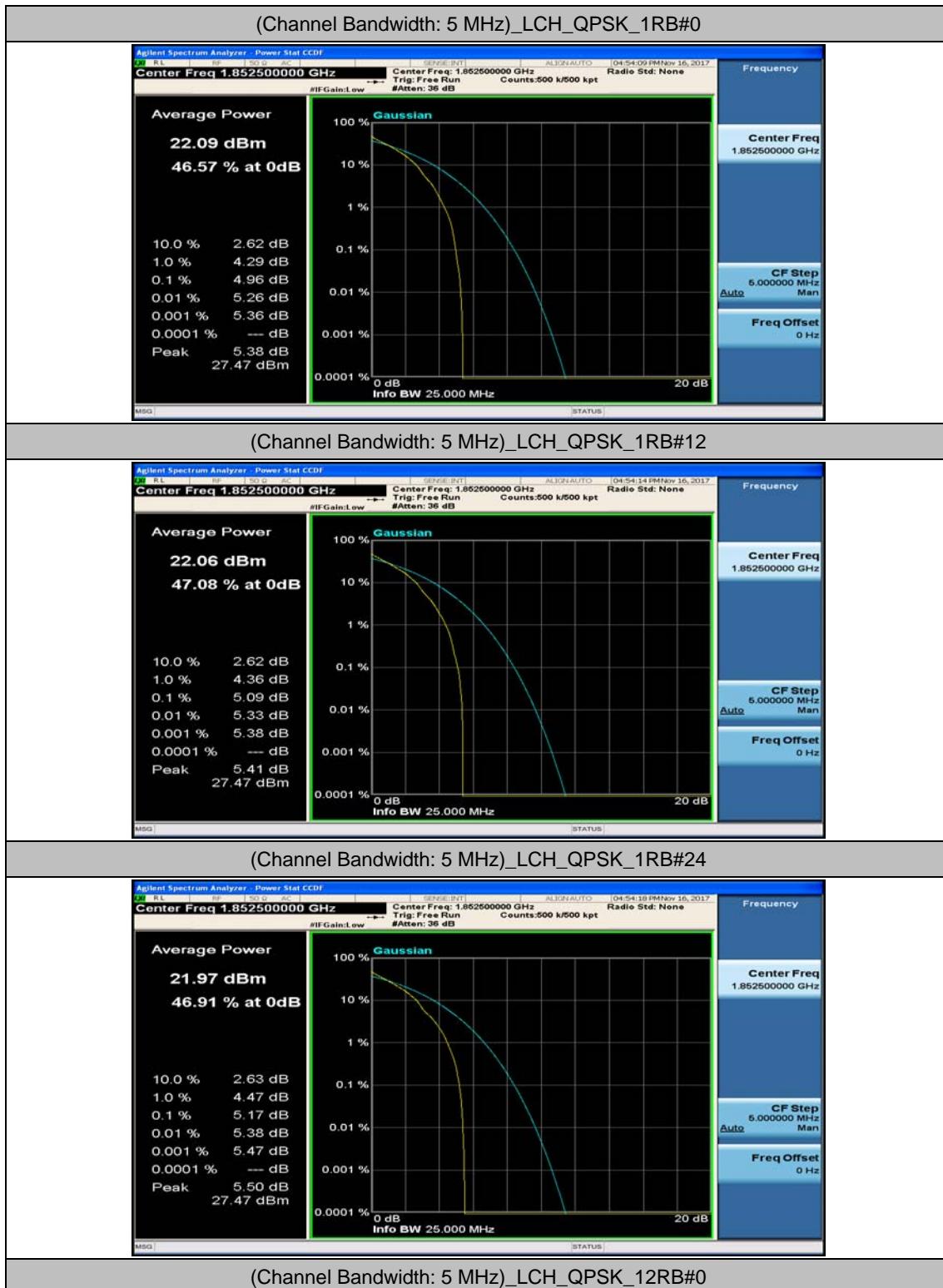


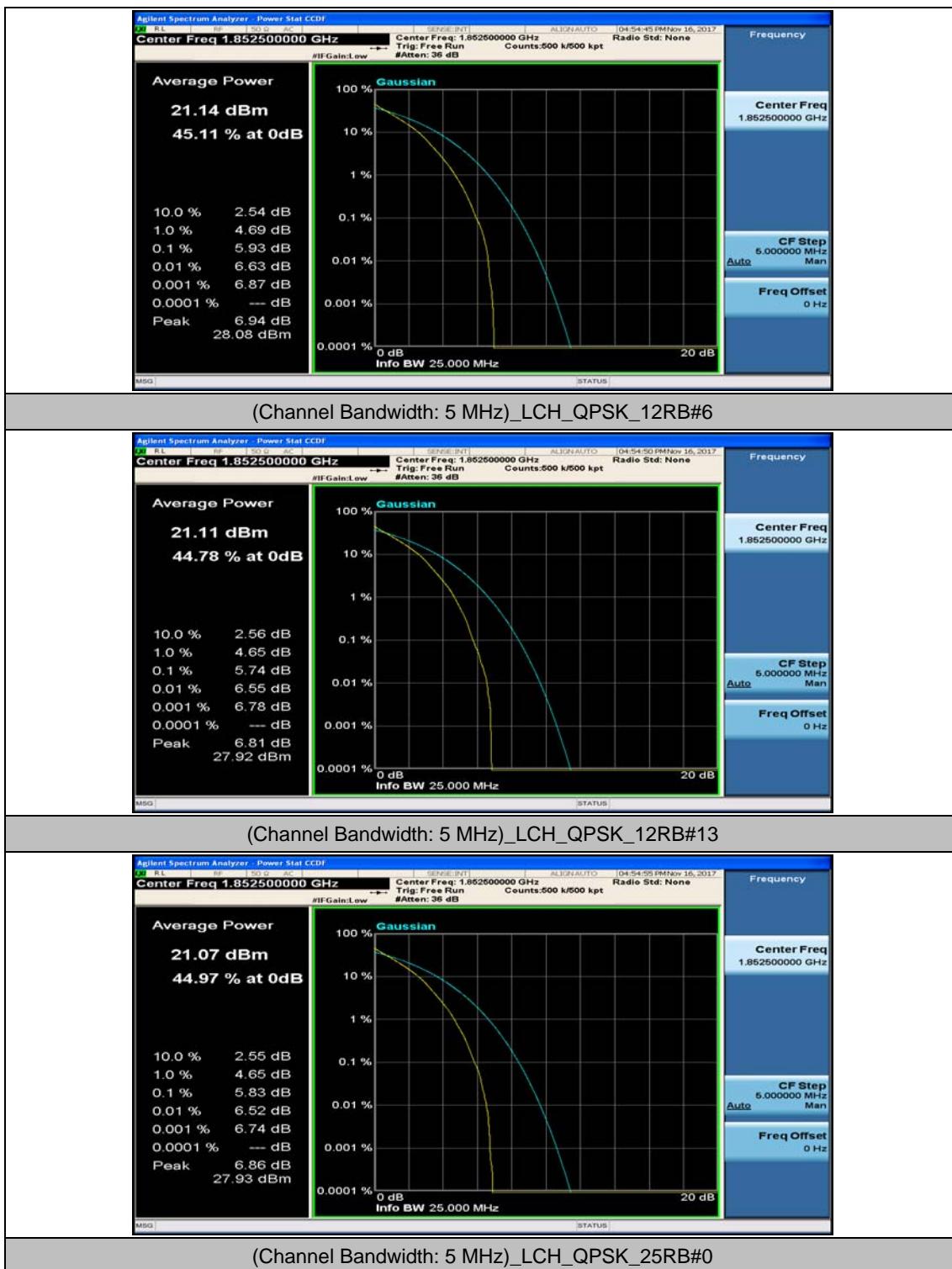


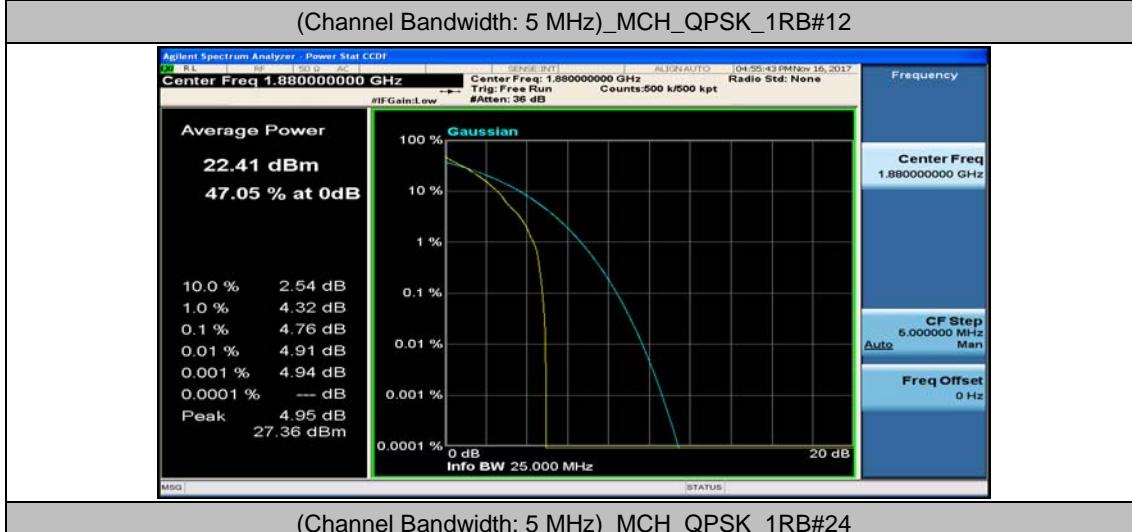
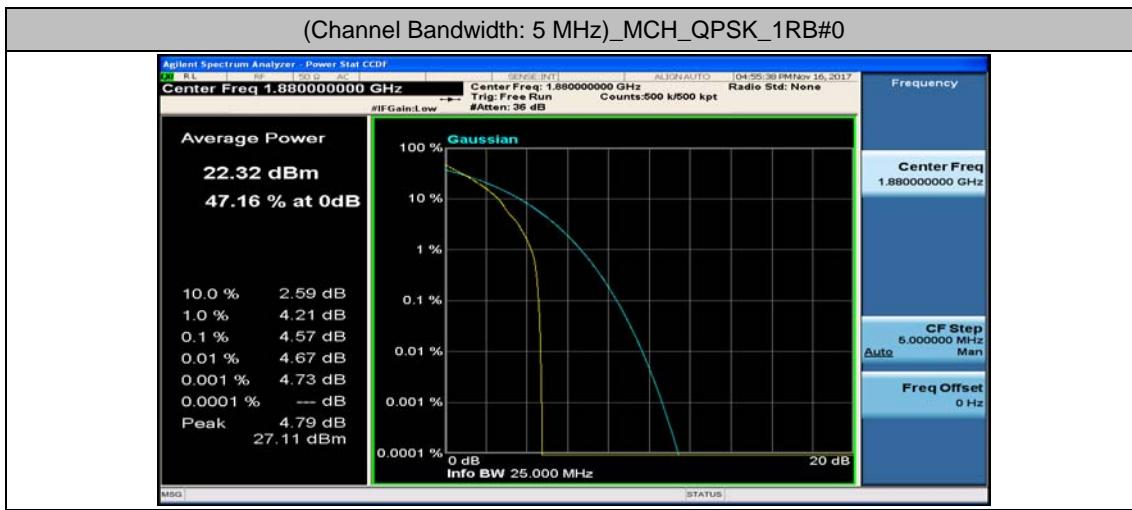




## Channel Bandwidth: 5 MHz







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

