

## Appendix for Band 5

### 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	23.51	PASS
		1	3	23.6	PASS
		1	5	23.55	PASS
		3	0	23.5	PASS
		3	2	23.54	PASS
		3	3	23.55	PASS
		6	0	22.57	PASS
	MCH	1	0	24.34	PASS
		1	3	24.43	PASS
		1	5	24.39	PASS
		3	0	23.37	PASS
		3	2	23.35	PASS
		3	3	23.41	PASS
		6	0	22.43	PASS
16QAM	LCH	1	0	24.52	PASS
		1	3	24.54	PASS
		1	5	24.47	PASS
		3	0	23.5	PASS
		3	2	23.47	PASS
		3	3	23.46	PASS
		6	0	22.57	PASS
	MCH	1	0	22.61	PASS
		1	3	22.81	PASS
		1	5	22.74	PASS
		3	0	22.58	PASS
		3	2	22.59	PASS
		3	3	22.62	PASS
		6	0	21.51	PASS

		3	0	22.26	PASS
		3	2	22.3	PASS
		3	3	22.36	PASS
		6	0	21.32	PASS
HCH	HCH	1	0	23.69	PASS
		1	3	23.81	PASS
		1	5	23.66	PASS
		3	0	22.62	PASS
		3	2	22.54	PASS
		3	3	22.56	PASS
		6	0	21.5	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.41	PASS
		1	7	23.61	PASS
		1	14	23.64	PASS
		8	0	22.58	PASS
		8	4	22.65	PASS
		8	7	22.7	PASS
		15	0	22.6	PASS
	MCH	1	0	24.28	PASS
		1	7	24.46	PASS
		1	14	24.43	PASS
		8	0	23.4	PASS
		8	4	23.45	PASS
		8	7	23.47	PASS
		15	0	23.35	PASS
	HCH	1	0	24.48	PASS
		1	7	24.54	PASS
		1	14	24.41	PASS
		8	0	23.64	PASS
		8	4	23.6	PASS
		8	7	23.58	PASS
		15	0	23.58	PASS
16QAM	LCH	1	0	22.61	PASS
		1	7	22.86	PASS
		1	14	22.89	PASS
		8	0	21.62	PASS
		8	4	21.7	PASS
		8	7	21.73	PASS

		15	0	21.54	PASS
MCH		1	0	23.5	PASS
		1	7	23.69	PASS
		1	14	23.7	PASS
		8	0	22.35	PASS
		8	4	22.37	PASS
		8	7	22.41	PASS
		15	0	22.32	PASS
HCH		1	0	23.74	PASS
		1	7	23.8	PASS
		1	14	23.68	PASS
		8	0	22.66	PASS
		8	4	22.63	PASS
		8	7	22.59	PASS
		15	0	22.51	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.6	PASS
		1	12	23.84	PASS
		1	24	23.86	PASS
		12	0	22.65	PASS
		12	6	22.71	PASS
		12	13	22.78	PASS
		25	0	22.67	PASS
	MCH	1	0	24.34	PASS
		1	12	24.49	PASS
		1	24	24.52	PASS
		12	0	23.33	PASS
		12	6	23.4	PASS
		12	13	23.48	PASS
		25	0	23.35	PASS
	HCH	1	0	24.7	PASS
		1	12	24.71	PASS
		1	24	24.54	PASS
		12	0	23.7	PASS
		12	6	23.66	PASS
		12	13	23.63	PASS
		25	0	23.62	PASS
16QAM	LCH	1	0	22.74	PASS
		1	12	23.08	PASS

		1	24	23.09	PASS
		12	0	21.67	PASS
		12	6	21.74	PASS
		12	13	21.85	PASS
		25	0	21.67	PASS
	MCH	1	0	23.43	PASS
		1	12	23.64	PASS
		1	24	23.71	PASS
		12	0	22.4	PASS
		12	6	22.46	PASS
		12	13	22.56	PASS
		25	0	22.35	PASS
	HCH	1	0	23.93	PASS
		1	12	23.97	PASS
		1	24	23.77	PASS
		12	0	22.72	PASS
		12	6	22.66	PASS
		12	13	22.64	PASS
		25	0	22.59	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.54	PASS
		1	24	23.87	PASS
		1	49	24.15	PASS
		25	0	22.73	PASS
		25	12	22.87	PASS
		25	25	23.05	PASS
		50	0	22.86	PASS
	MCH	1	0	24.12	PASS
		1	24	24.39	PASS
		1	49	24.58	PASS
		25	0	23.24	PASS
		25	12	23.37	PASS
		25	25	23.53	PASS
		50	0	23.38	PASS
	HCH	1	0	24.73	PASS
		1	24	24.64	PASS
		1	49	24.49	PASS
		25	0	23.66	PASS
		25	12	23.77	PASS

		25	25	23.6	PASS
		50	0	23.65	PASS
16QAM	LCH	1	0	22.77	PASS
		1	24	23.12	PASS
		1	49	23.34	PASS
		25	0	21.72	PASS
		25	12	21.87	PASS
		25	25	22.02	PASS
		50	0	21.86	PASS
	MCH	1	0	23.41	PASS
		1	24	23.66	PASS
		1	49	23.97	PASS
		25	0	22.23	PASS
		25	12	22.36	PASS
		25	25	22.53	PASS
		50	0	22.4	PASS
	HCH	1	0	23.99	PASS
		1	24	24.01	PASS
		1	49	23.88	PASS
		25	0	22.69	PASS
		25	12	22.66	PASS
		25	25	22.61	PASS
		50	0	22.68	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	3.87	<13	PASS
		1	3	3.92	<13	PASS
		1	5	4.12	<13	PASS
		3	0	3.57	<13	PASS
		3	2	3.74	<13	PASS
		3	3	3.75	<13	PASS
		6	0	4.62	<13	PASS
	MCH	1	0	3.62	<13	PASS
		1	3	3.49	<13	PASS
		1	5	3.56	<13	PASS
		3	0	3.43	<13	PASS
		3	2	3.44	<13	PASS
		3	3	3.43	<13	PASS
		6	0	4.3	<13	PASS
16QAM	LCH	1	0	4.17	<13	PASS
		1	3	4.03	<13	PASS
		1	5	3.97	<13	PASS
		3	0	3.79	<13	PASS
		3	2	3.75	<13	PASS
		3	3	3.73	<13	PASS
		6	0	4.7	<13	PASS
	MCH	1	0	4.79	<13	PASS
		1	3	4.81	<13	PASS
		1	5	4.98	<13	PASS
		3	0	4.62	<13	PASS
		3	2	4.79	<13	PASS
		3	3	4.76	<13	PASS
		6	0	5.52	<13	PASS

		3	3	4.46	<13	PASS
		6	0	5.28	<13	PASS
HCH		1	0	5.07	<13	PASS
		1	3	5.08	<13	PASS
		1	5	4.83	<13	PASS
		3	0	4.75	<13	PASS
		3	2	4.76	<13	PASS
		3	3	4.68	<13	PASS
		6	0	5.61	<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	3.79	<13	PASS
		1	7	4.17	<13	PASS
		1	14	4.58	<13	PASS
		8	0	4.65	<13	PASS
		8	4	4.88	<13	PASS
		8	7	5.04	<13	PASS
		15	0	4.99	<13	PASS
	MCH	1	0	3.63	<13	PASS
		1	7	3.41	<13	PASS
		1	14	3.57	<13	PASS
		8	0	4.35	<13	PASS
		8	4	4.29	<13	PASS
		8	7	4.29	<13	PASS
		15	0	4.47	<13	PASS
	HCH	1	0	4.5	<13	PASS
		1	7	4.15	<13	PASS
		1	14	3.97	<13	PASS
		8	0	4.92	<13	PASS
		8	4	4.81	<13	PASS
		8	7	4.71	<13	PASS
		15	0	4.94	<13	PASS
16QAM	LCH	1	0	4.6	<13	PASS
		1	7	5.06	<13	PASS
		1	14	5.55	<13	PASS
		8	0	5.51	<13	PASS
		8	4	5.67	<13	PASS
		8	7	5.79	<13	PASS

		15	0	5.83	<13	PASS
MCH	1	0		4.56	<13	PASS
	1	7		4.46	<13	PASS
	1	14		4.45	<13	PASS
	8	0		5.21	<13	PASS
	8	4		5.2	<13	PASS
	8	7		5.14	<13	PASS
	15	0		5.35	<13	PASS
HCH	1	0		5.39	<13	PASS
	1	7		4.97	<13	PASS
	1	14		4.91	<13	PASS
	8	0		5.63	<13	PASS
	8	4		5.59	<13	PASS
	8	7		5.5	<13	PASS
	15	0		5.85	<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	3.84	<13	PASS
		1	12	4.6	<13	PASS
		1	24	5.03	<13	PASS
		12	0	4.88	<13	PASS
		12	6	5.11	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.19	<13	PASS
QPSK	MCH	1	0	3.69	<13	PASS
		1	12	3.51	<13	PASS
		1	24	3.72	<13	PASS
		12	0	4.35	<13	PASS
		12	6	4.31	<13	PASS
		12	13	4.35	<13	PASS
		25	0	4.5	<13	PASS
QPSK	HCH	1	0	4.7	<13	PASS
		1	12	4.41	<13	PASS
		1	24	4	<13	PASS
		12	0	5.17	<13	PASS
		12	6	5.03	<13	PASS
		12	13	4.85	<13	PASS
		25	0	5.1	<13	PASS

16QAM	LCH	1	0	4.63	<13	PASS
		1	12	5.3	<13	PASS
		1	24	5.71	<13	PASS
		12	0	5.67	<13	PASS
		12	6	6.01	<13	PASS
		12	13	6.2	<13	PASS
		25	0	5.95	<13	PASS
	MCH	1	0	4.63	<13	PASS
		1	12	4.58	<13	PASS
		1	24	4.69	<13	PASS
		12	0	5.28	<13	PASS
		12	6	5.2	<13	PASS
		12	13	5.21	<13	PASS
		25	0	5.37	<13	PASS
	HCH	1	0	5.46	<13	PASS
		1	12	5.13	<13	PASS
		1	24	4.89	<13	PASS
		12	0	6.01	<13	PASS
		12	6	5.85	<13	PASS
		12	13	5.71	<13	PASS
		25	0	5.87	<13	PASS

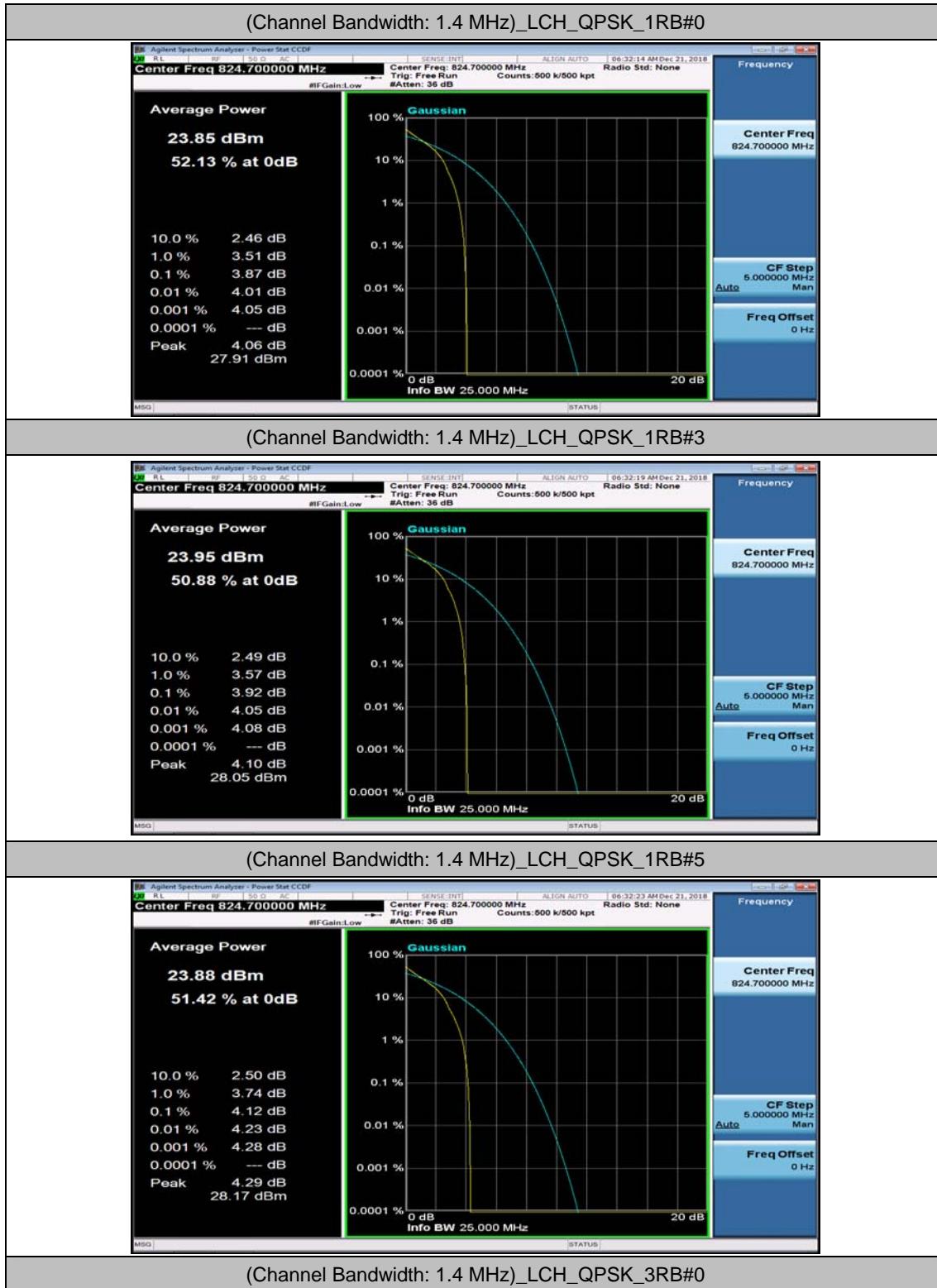
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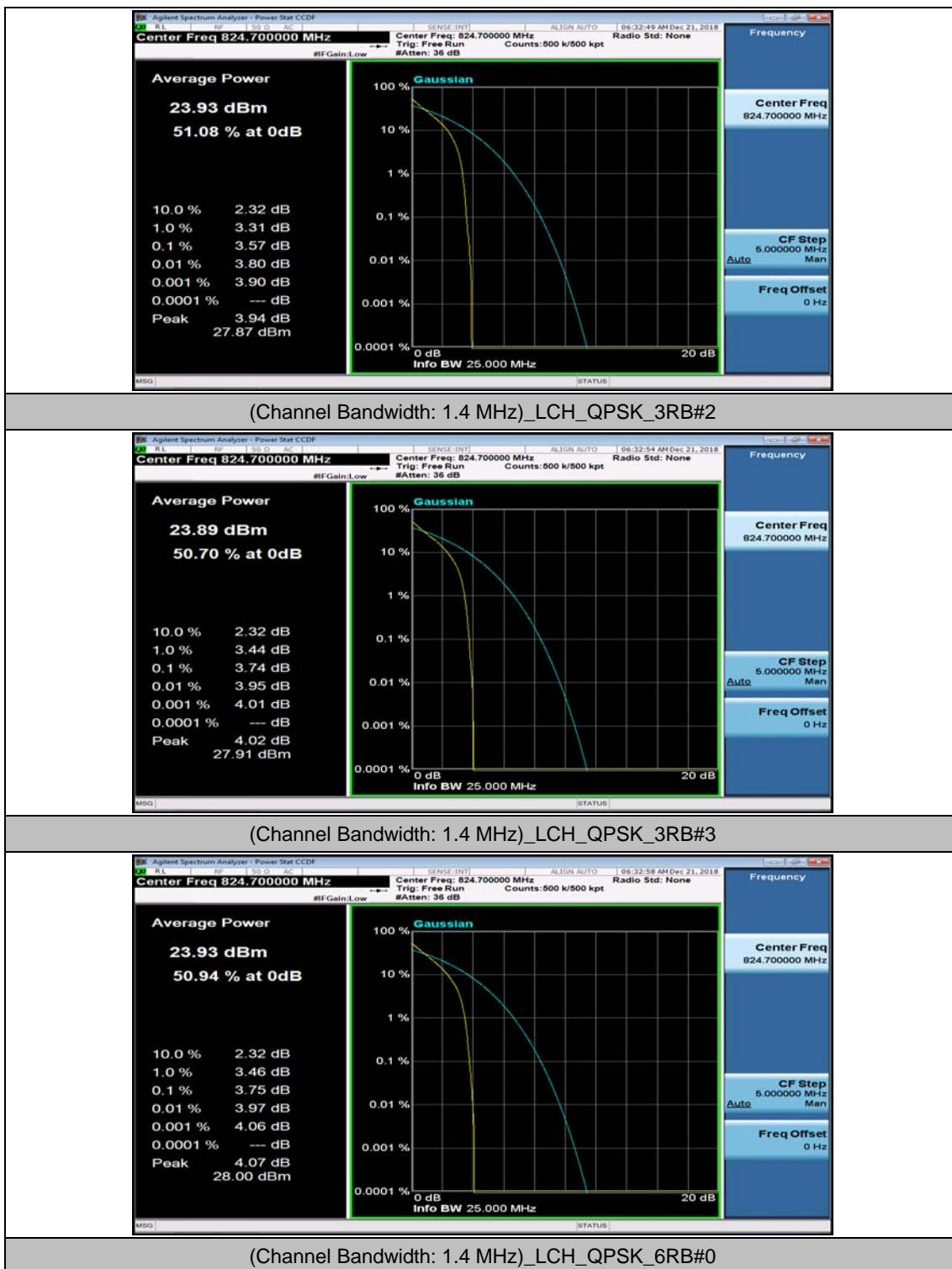
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.78	<13	PASS
		1	24	4.75	<13	PASS
		1	49	3.86	<13	PASS
		25	0	5.22	<13	PASS
		25	12	5.31	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.16	<13	PASS
	MCH	1	0	3.98	<13	PASS
		1	24	3.49	<13	PASS
		1	49	4.26	<13	PASS
		25	0	4.54	<13	PASS
		25	12	4.42	<13	PASS
		25	25	4.58	<13	PASS
		50	0	4.72	<13	PASS
	HCH	1	0	3.88	<13	PASS

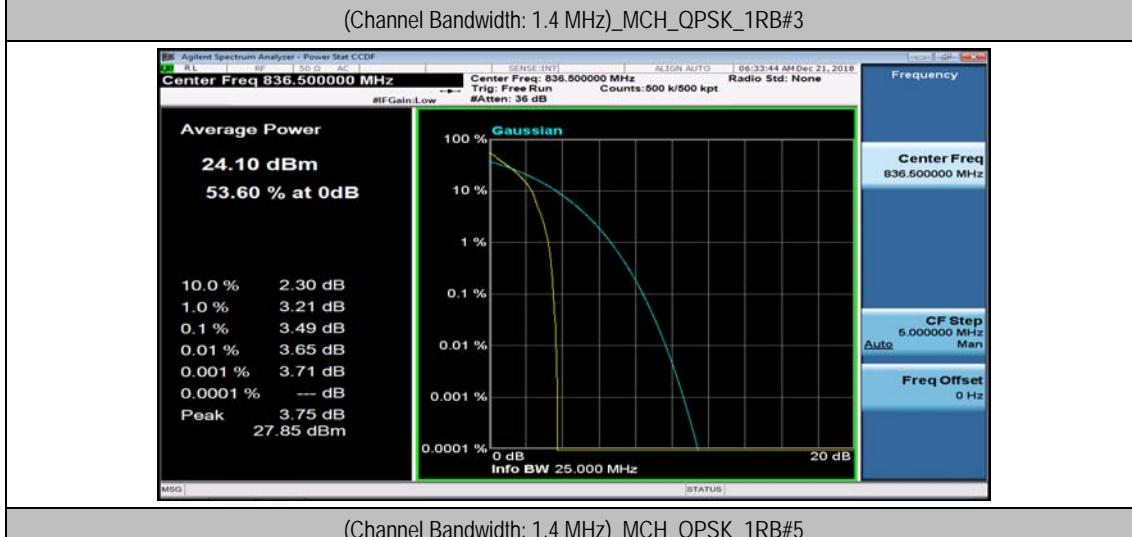
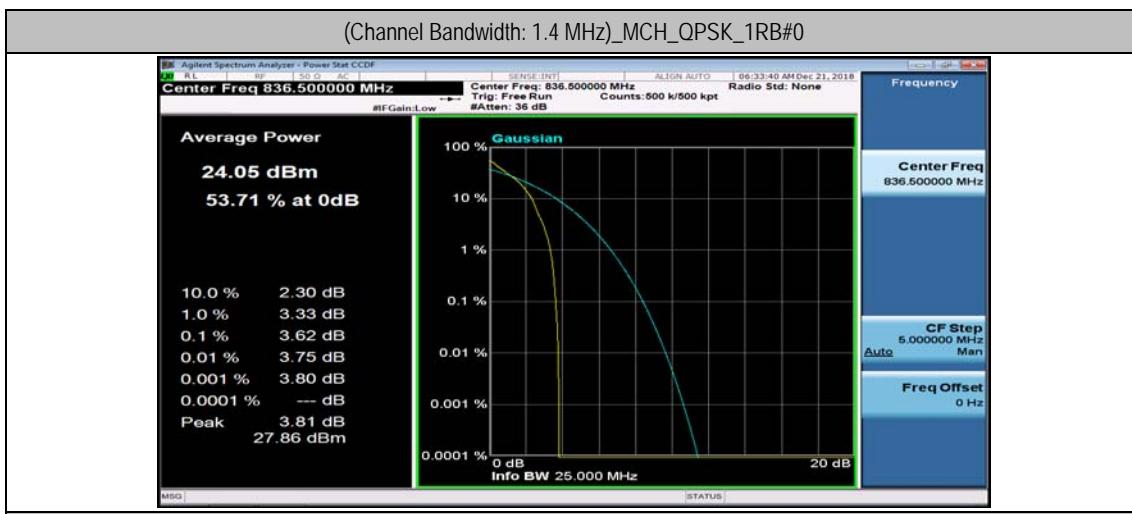
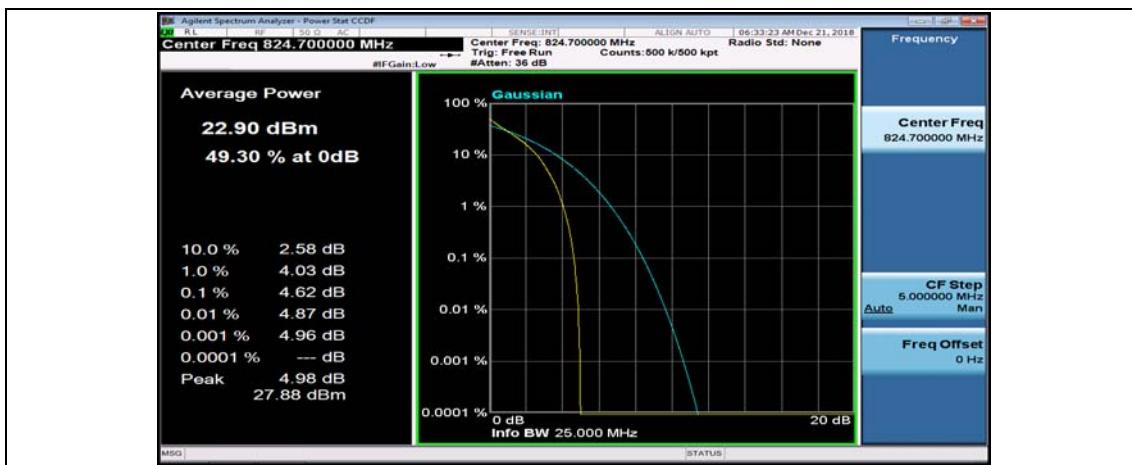
		1	24	4.55	<13	PASS
		1	49	3.94	<13	PASS
		25	0	5.07	<13	PASS
		25	12	5.21	<13	PASS
		25	25	5.03	<13	PASS
		50	0	5.07	<13	PASS
16QAM	LCH	1	0	4.69	<13	PASS
		1	24	5.57	<13	PASS
		1	49	4.75	<13	PASS
		25	0	6.01	<13	PASS
		25	12	6.14	<13	PASS
		25	25	5.8	<13	PASS
		50	0	5.94	<13	PASS
	MCH	1	0	4.96	<13	PASS
		1	24	4.43	<13	PASS
		1	49	5	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.34	<13	PASS
		25	25	5.51	<13	PASS
		50	0	5.56	<13	PASS
	HCH	1	0	4.82	<13	PASS
		1	24	5.46	<13	PASS
		1	49	4.82	<13	PASS
		25	0	5.97	<13	PASS
		25	12	6.08	<13	PASS
		25	25	5.83	<13	PASS
		50	0	5.9	<13	PASS

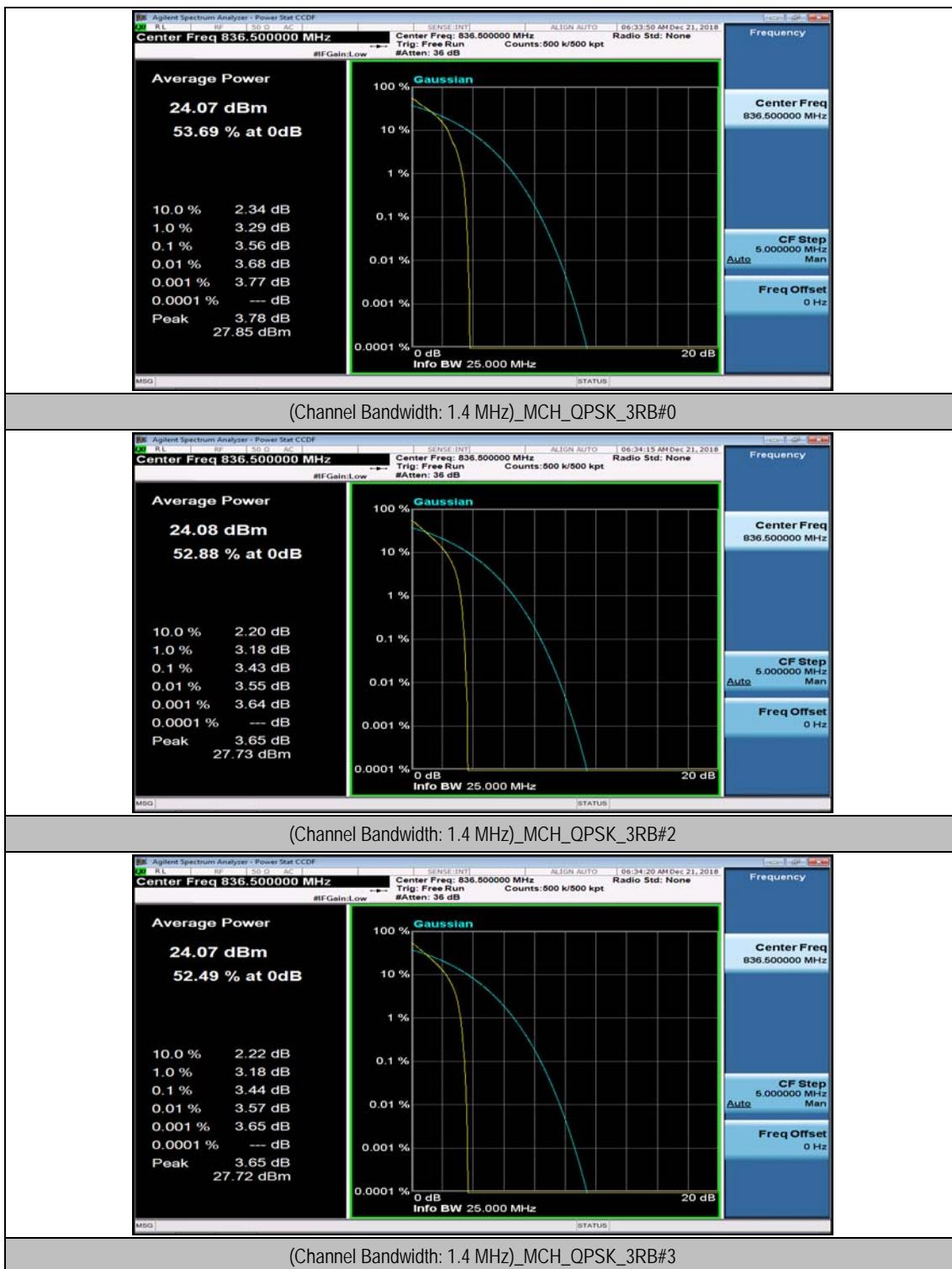
## Test Graphs

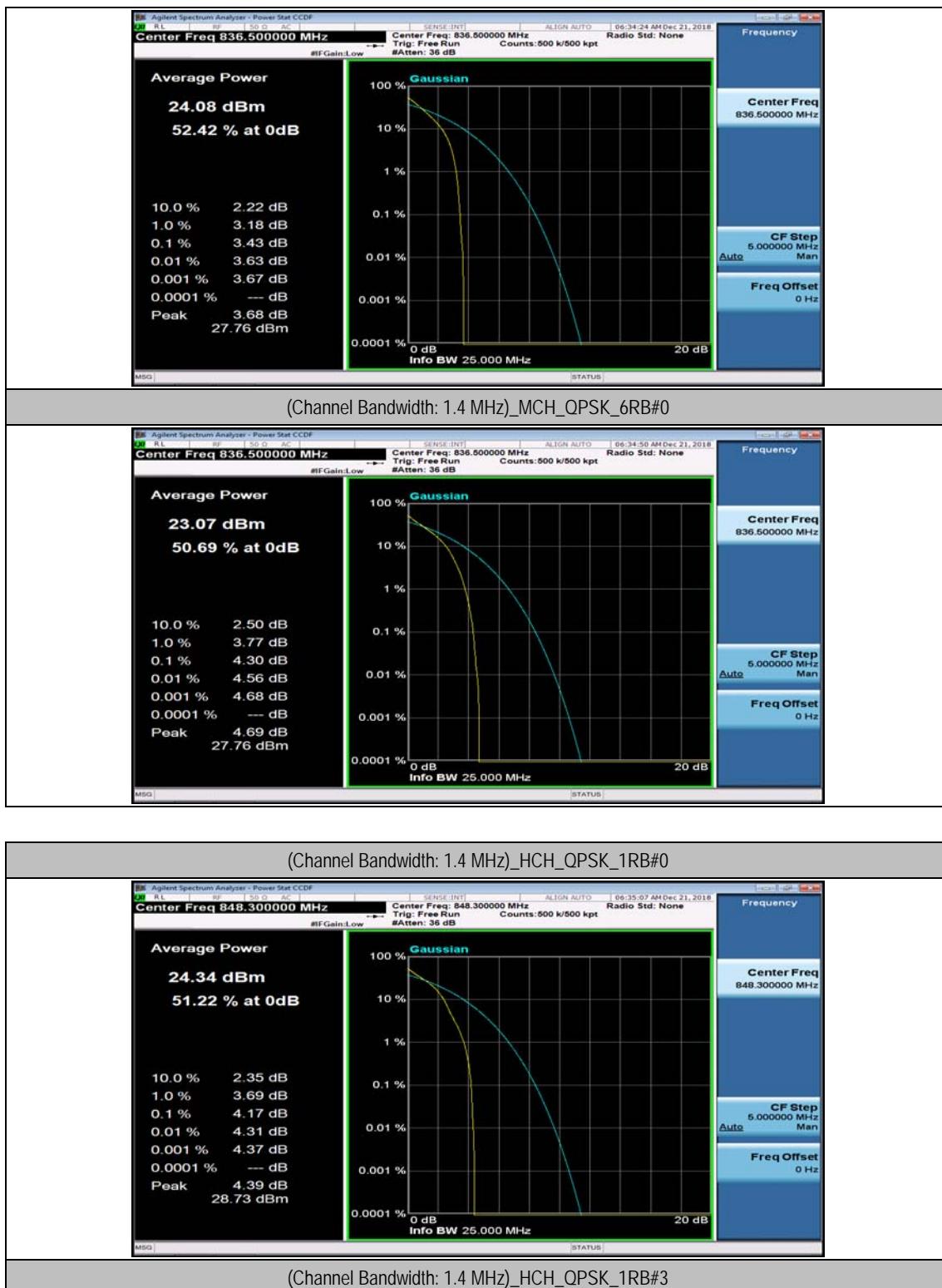
### Channel Bandwidth: 1.4 MHz

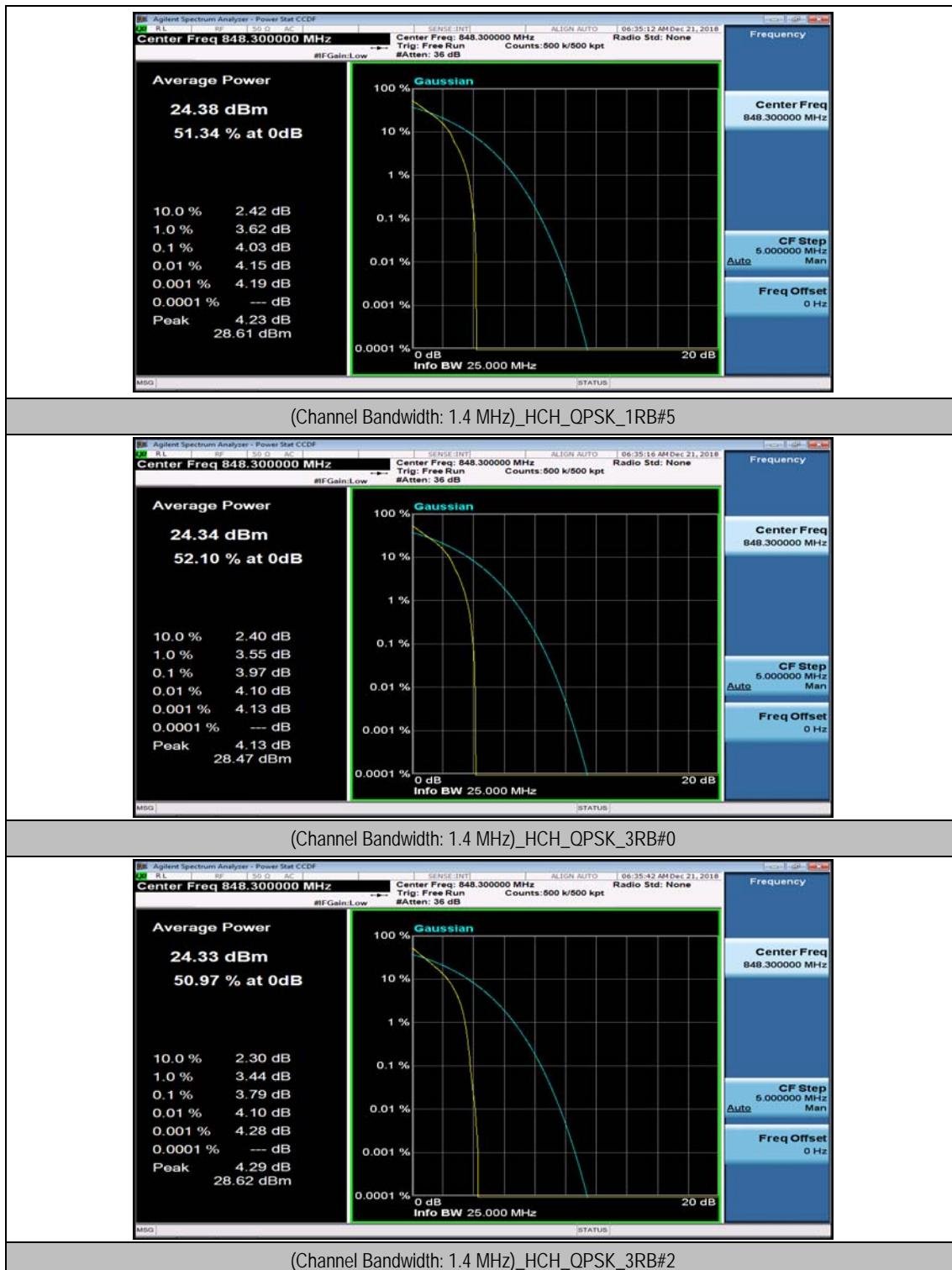


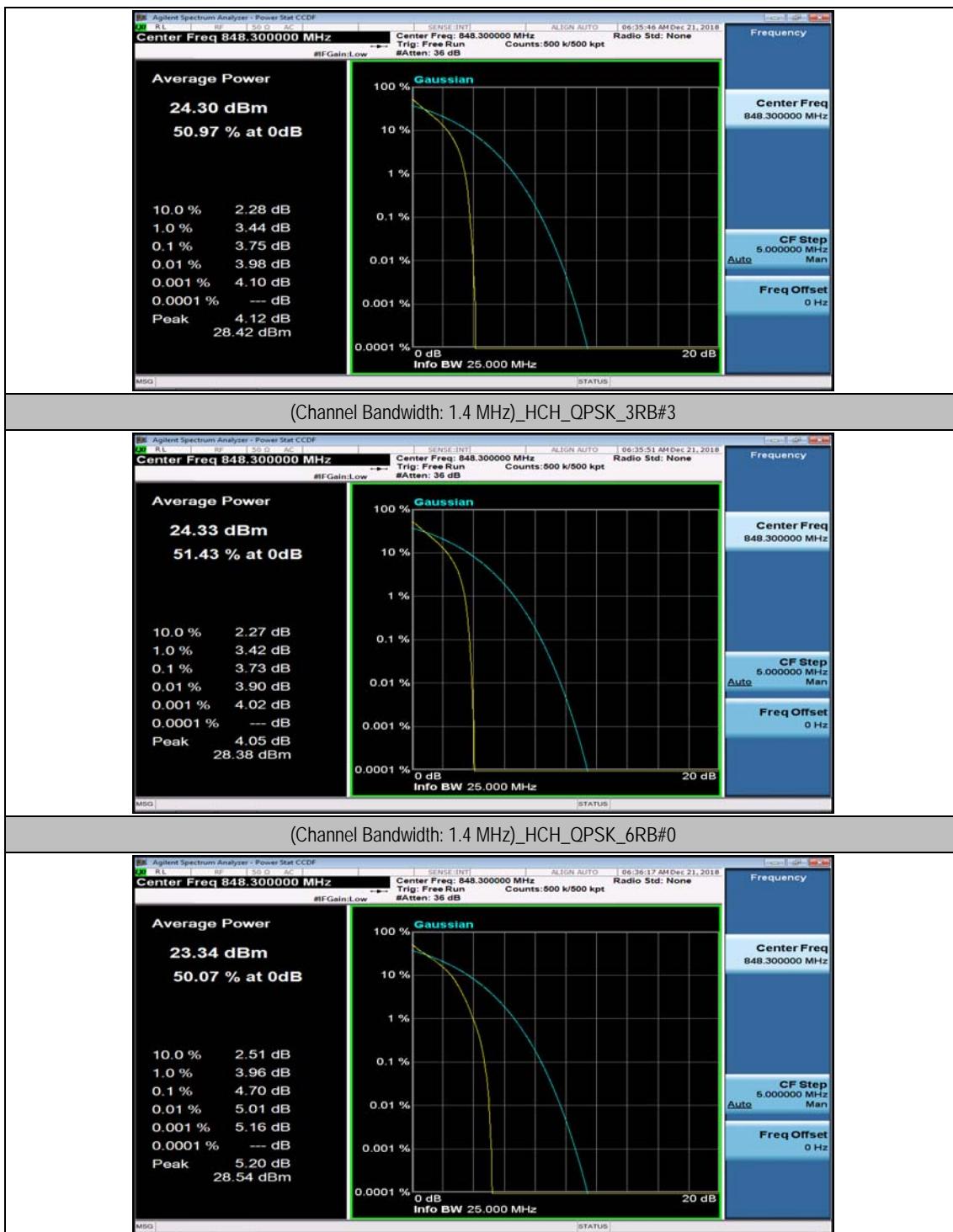


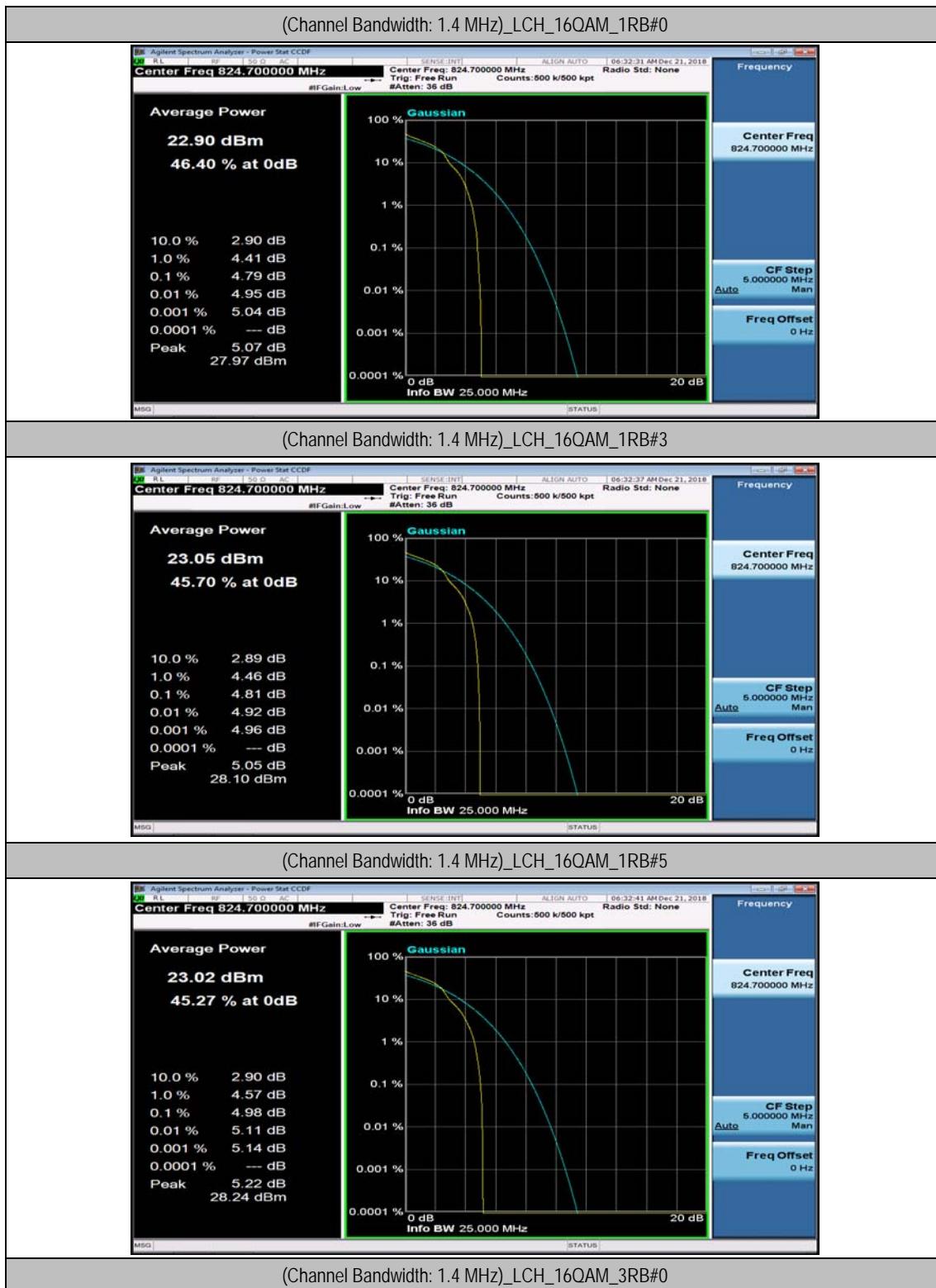


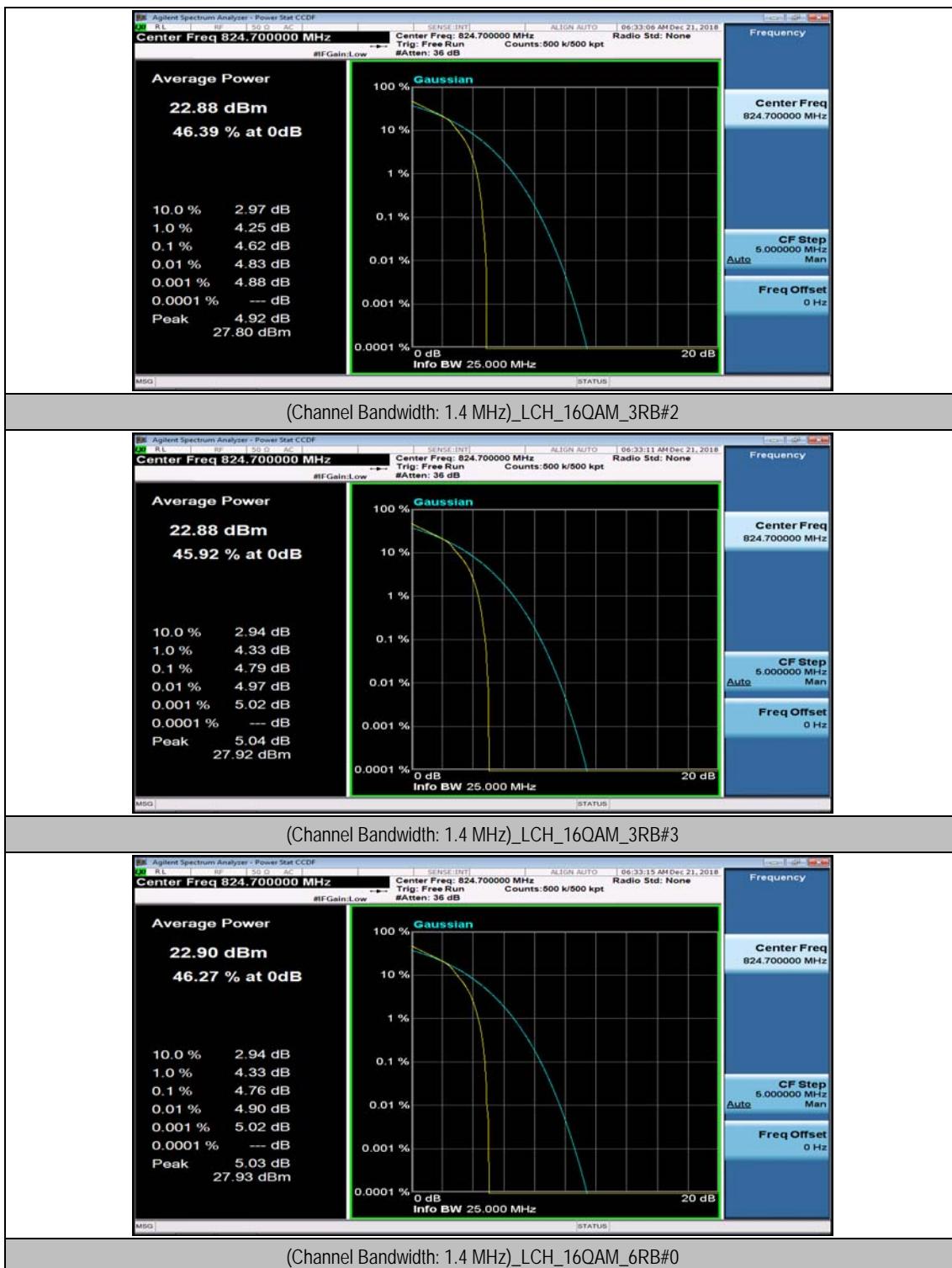


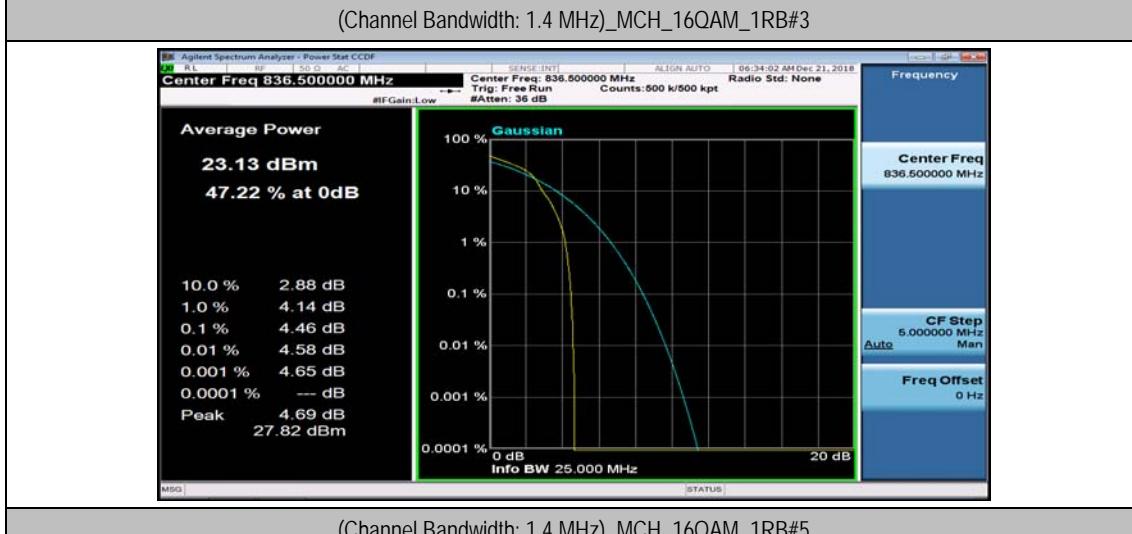
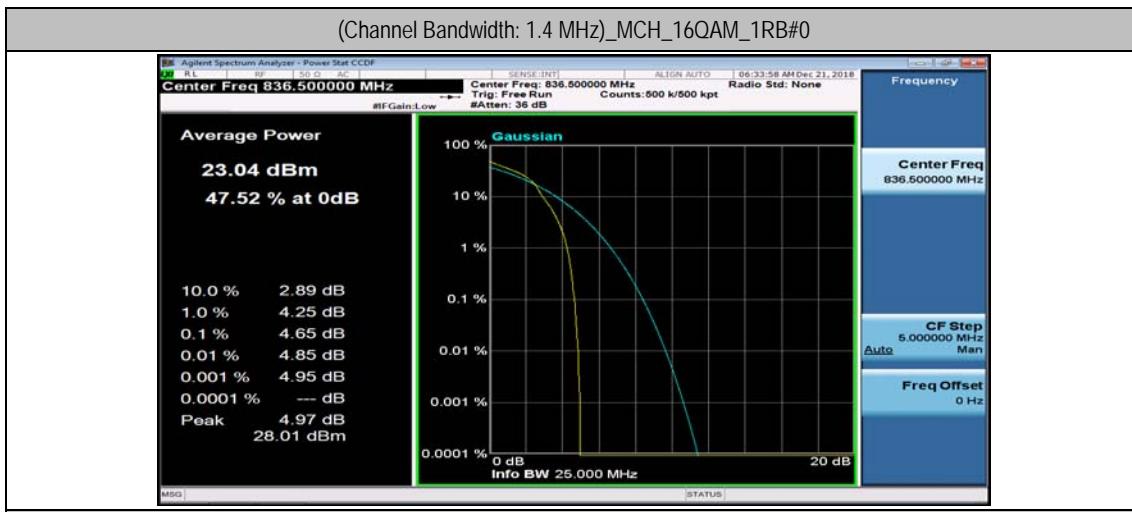
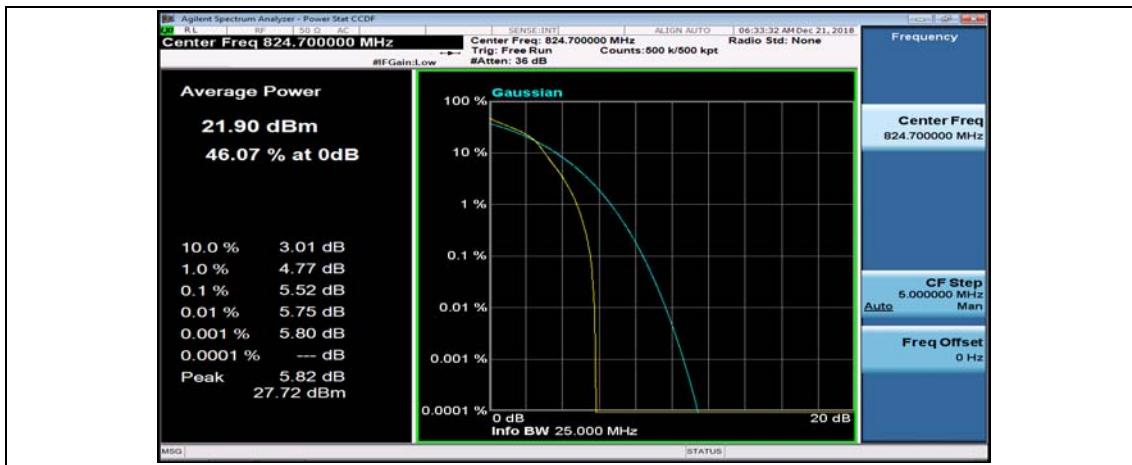


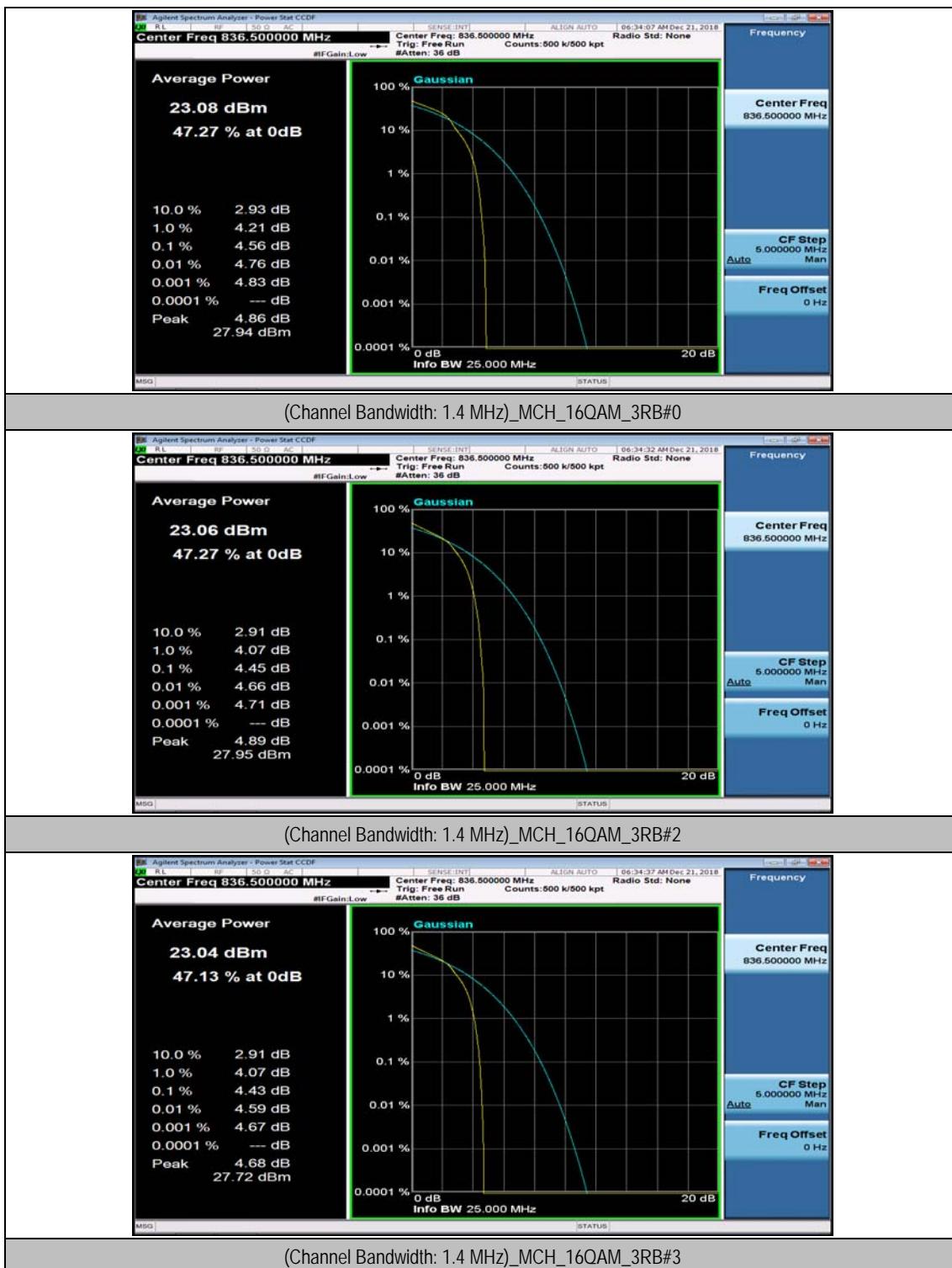


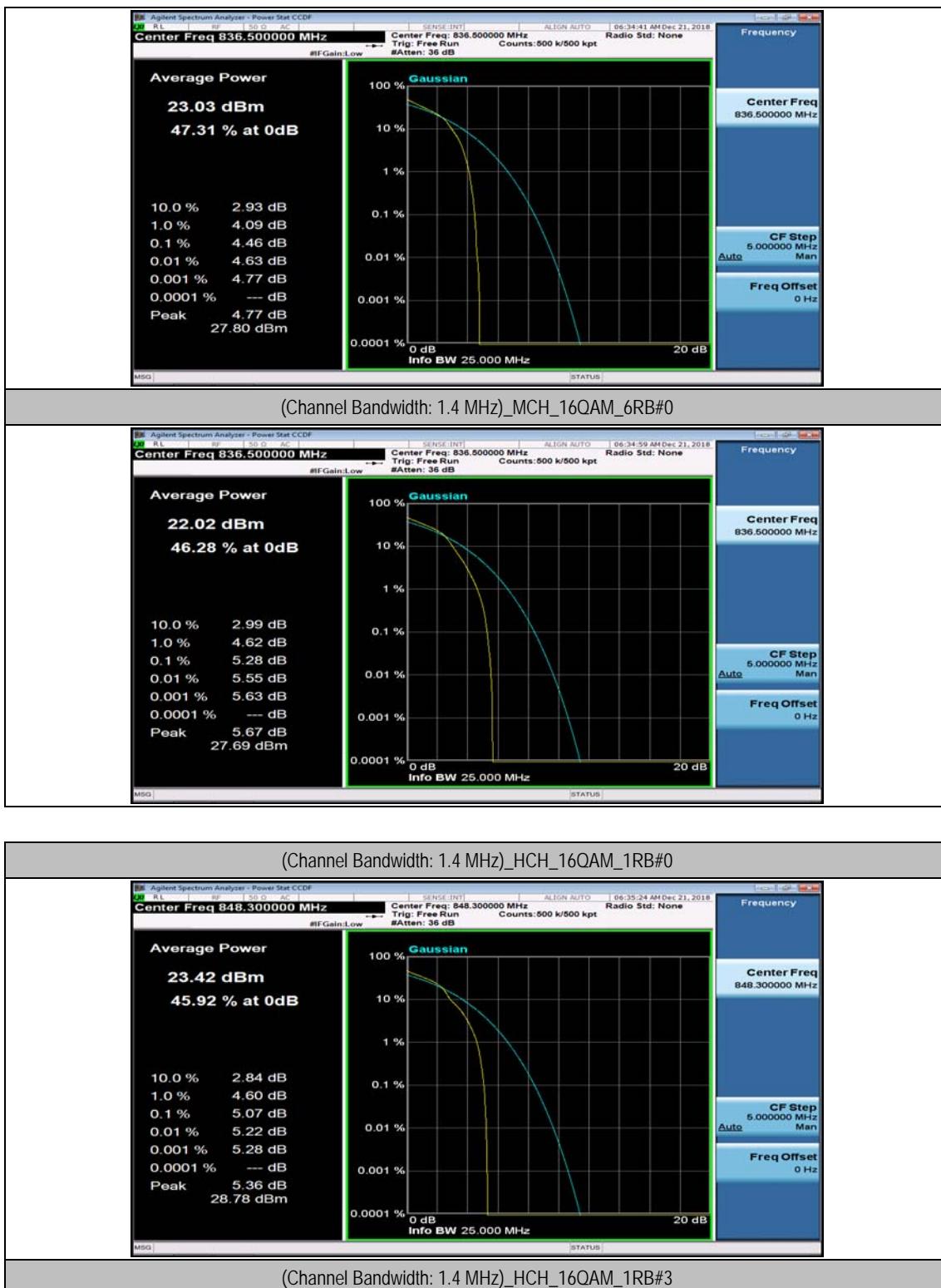


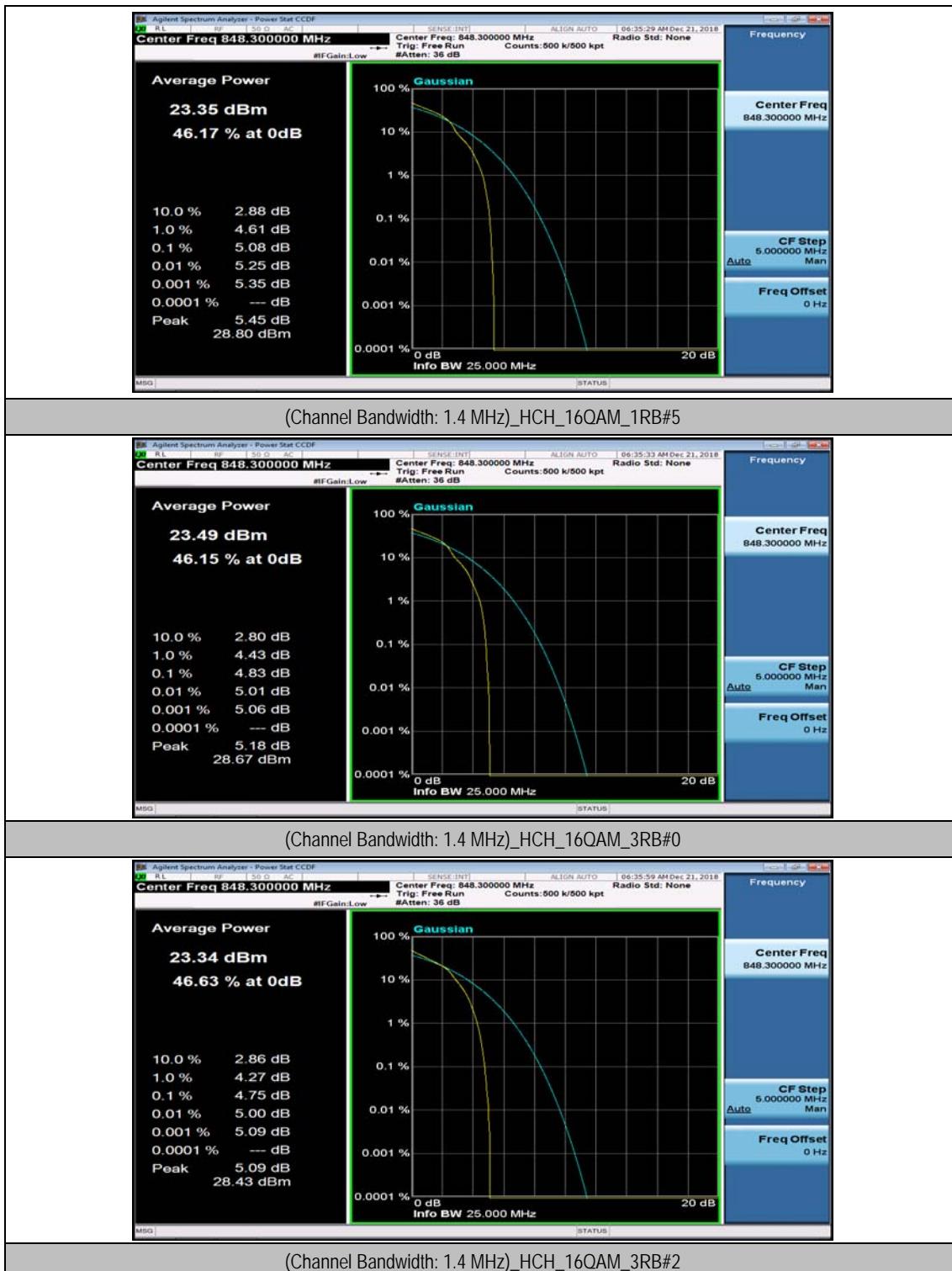


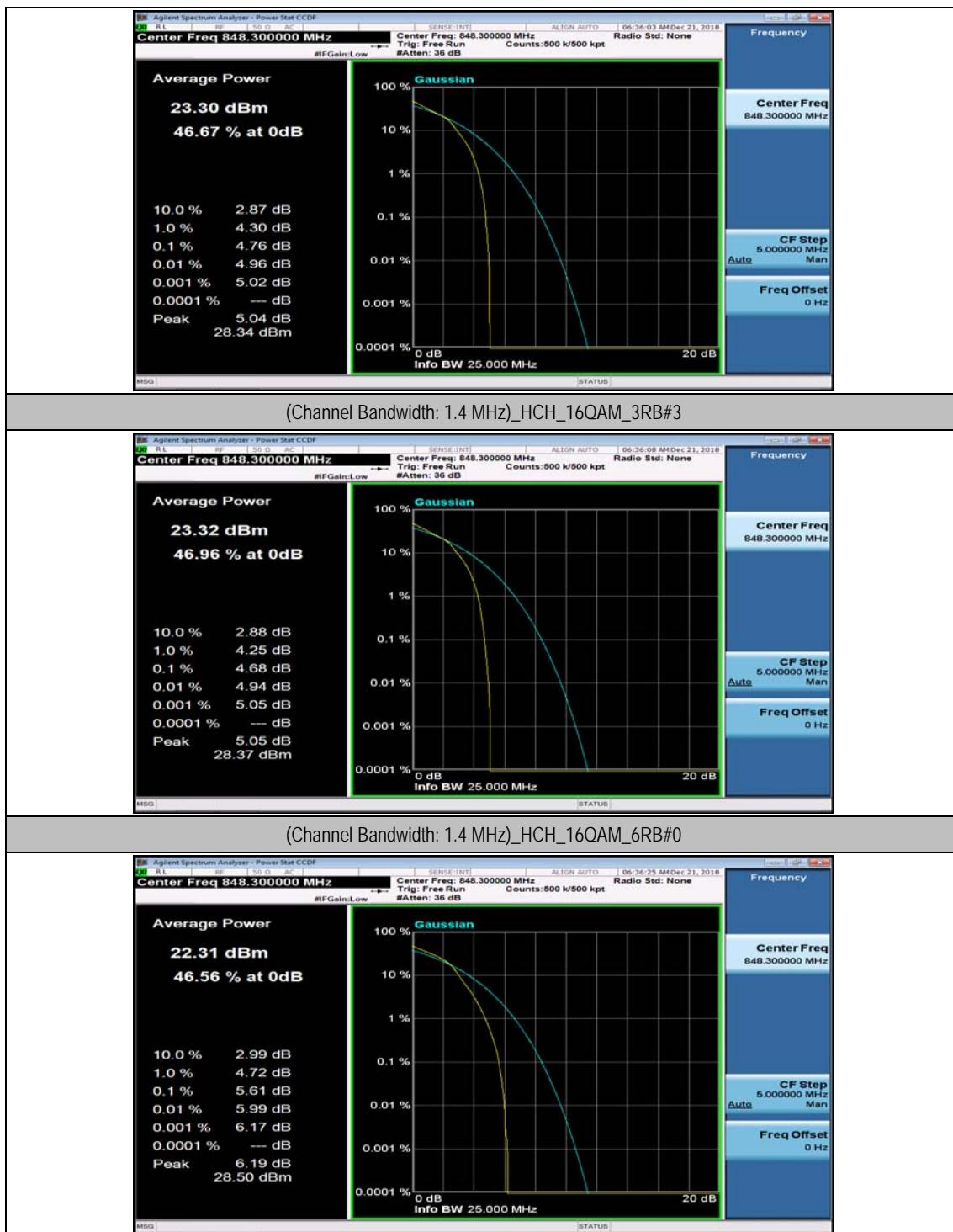




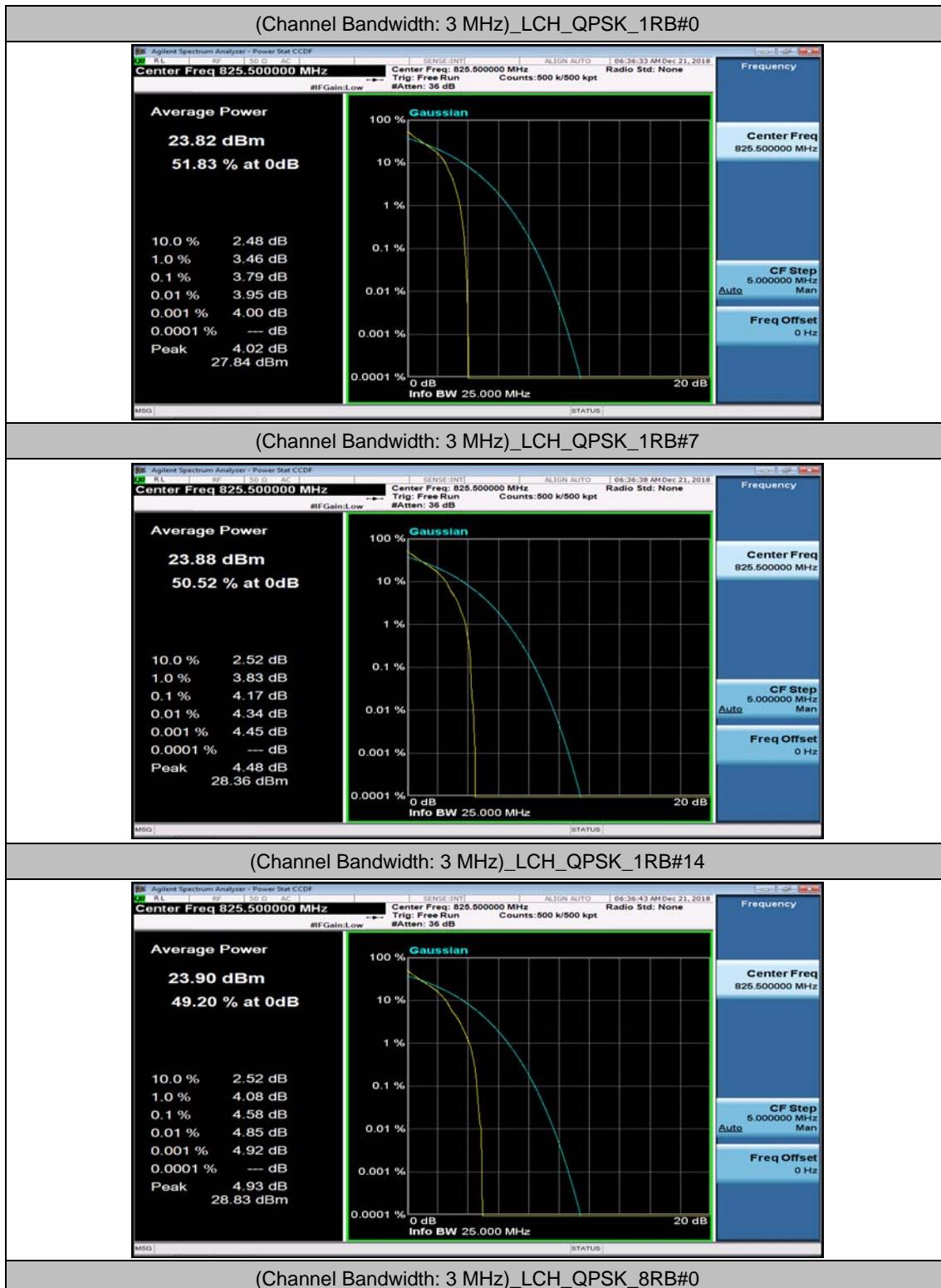


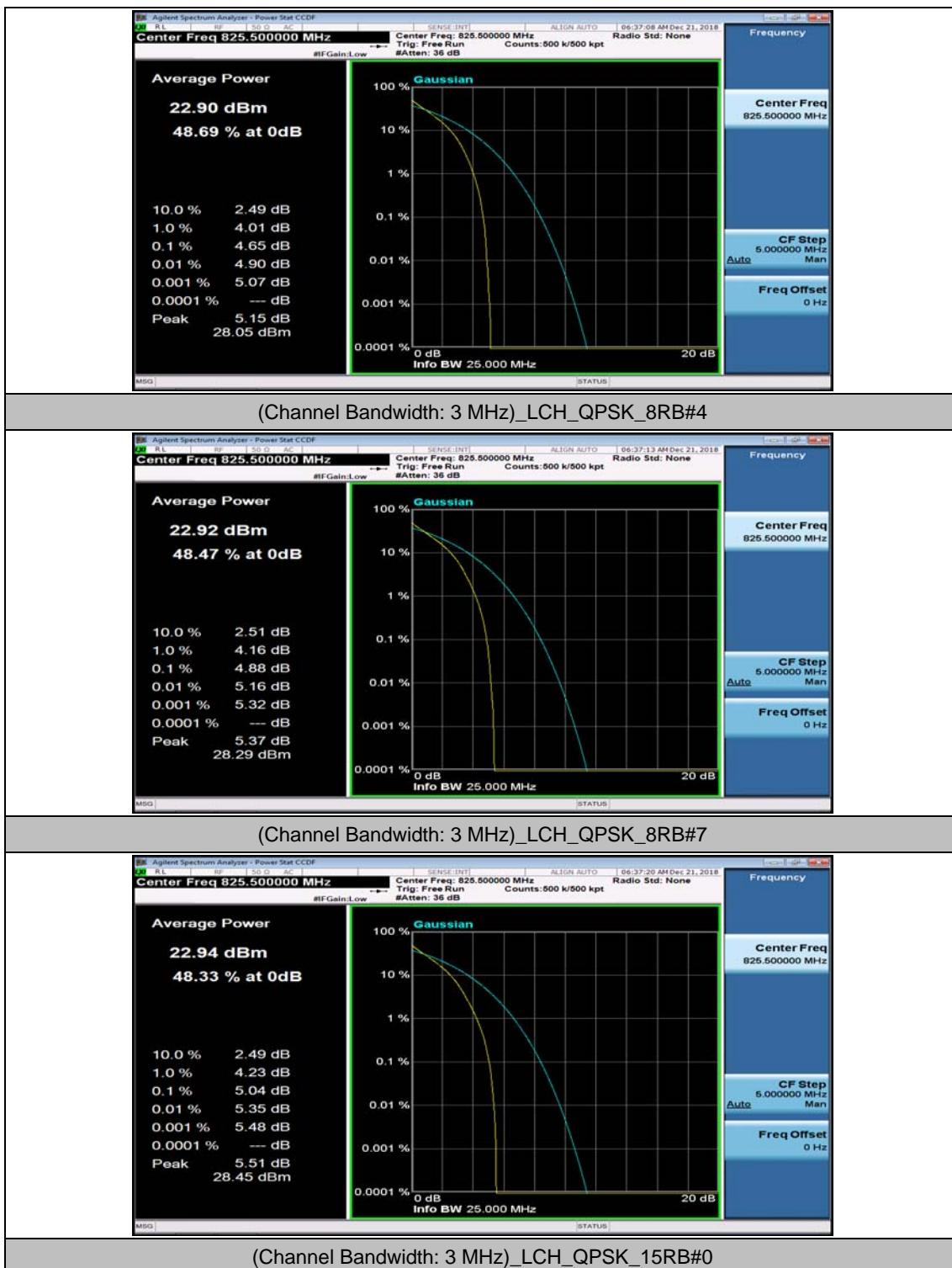


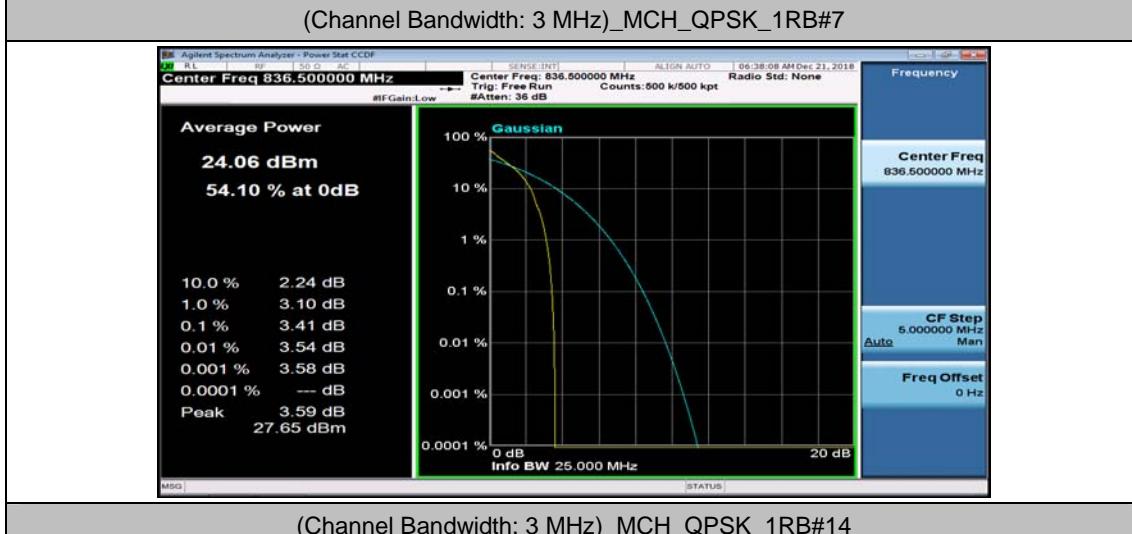
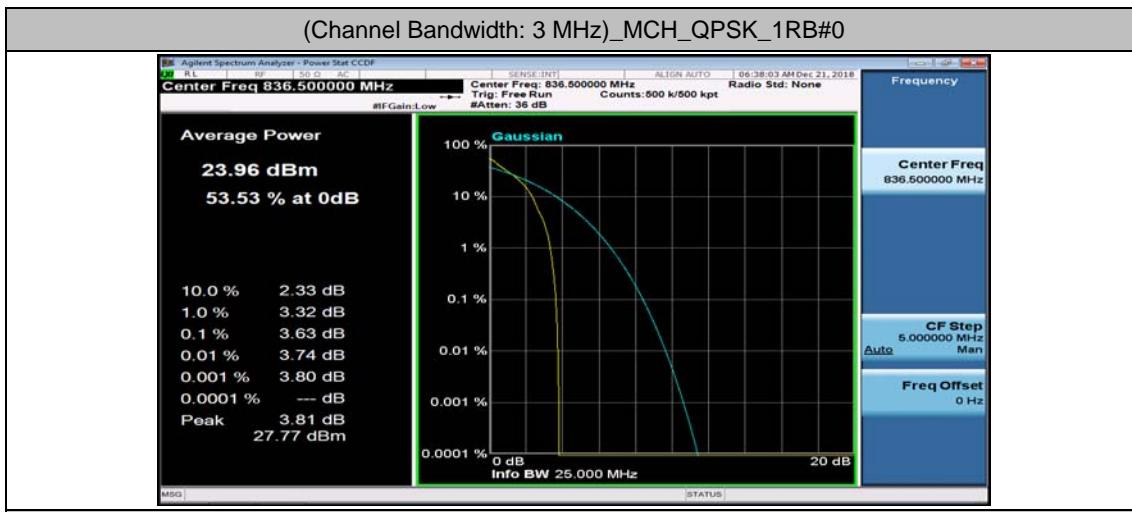
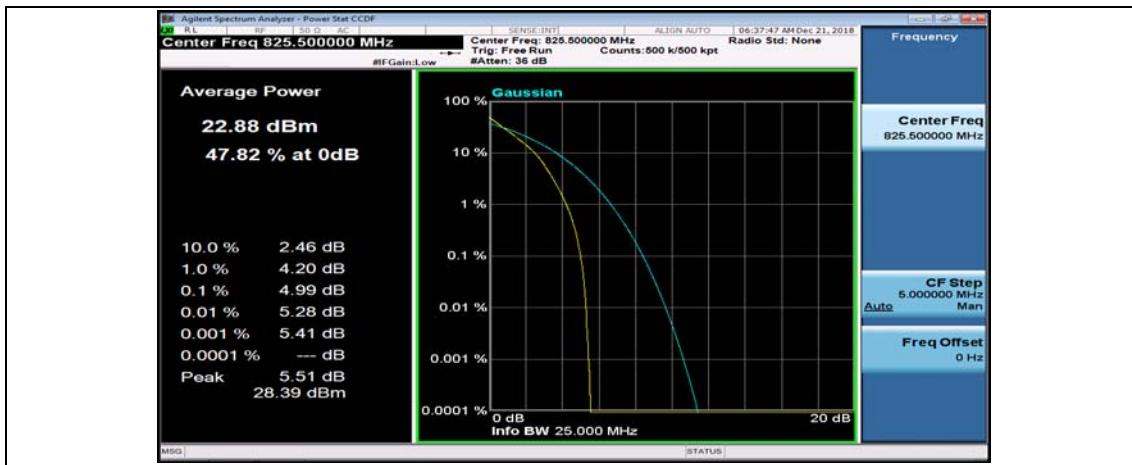


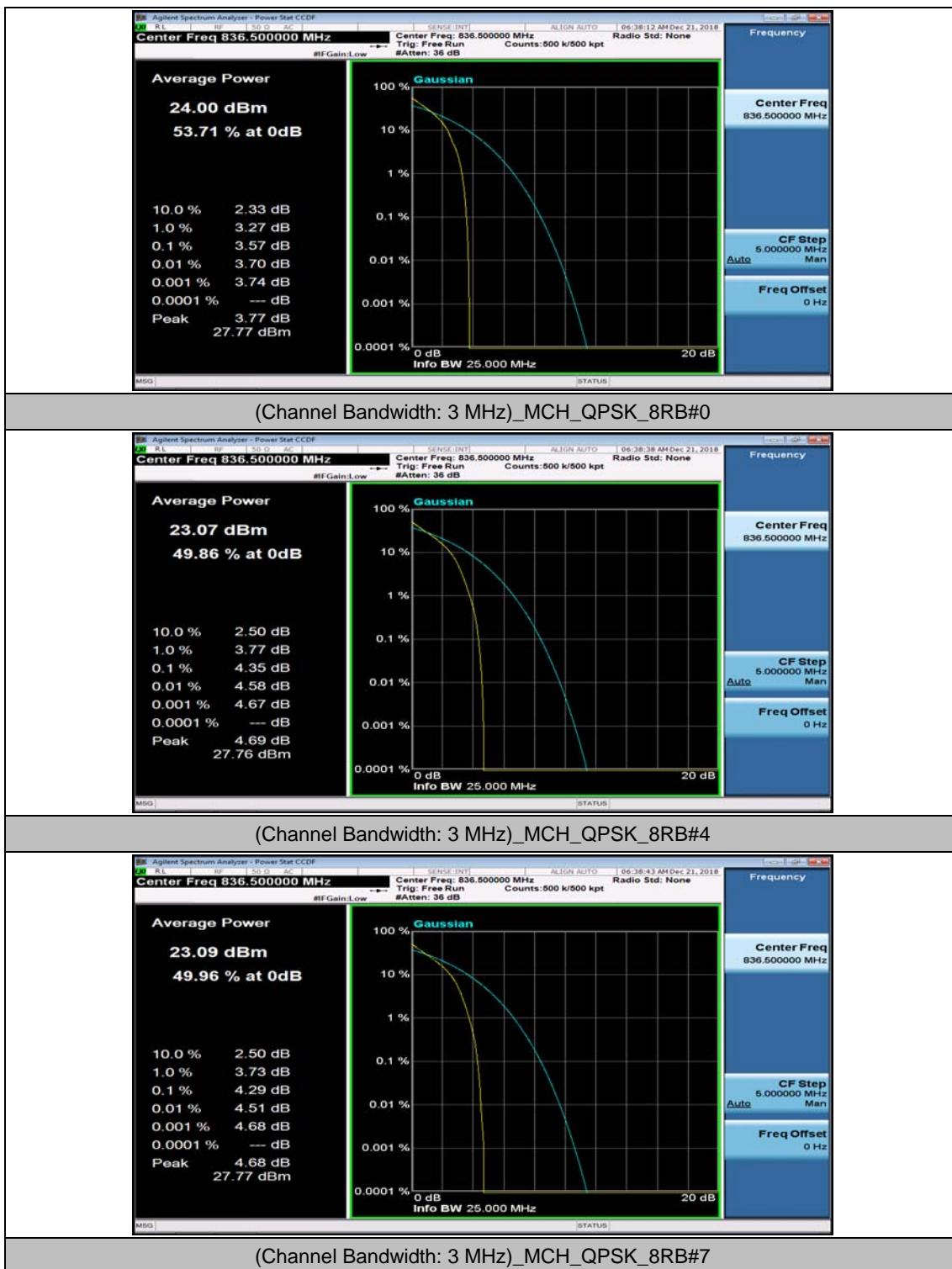


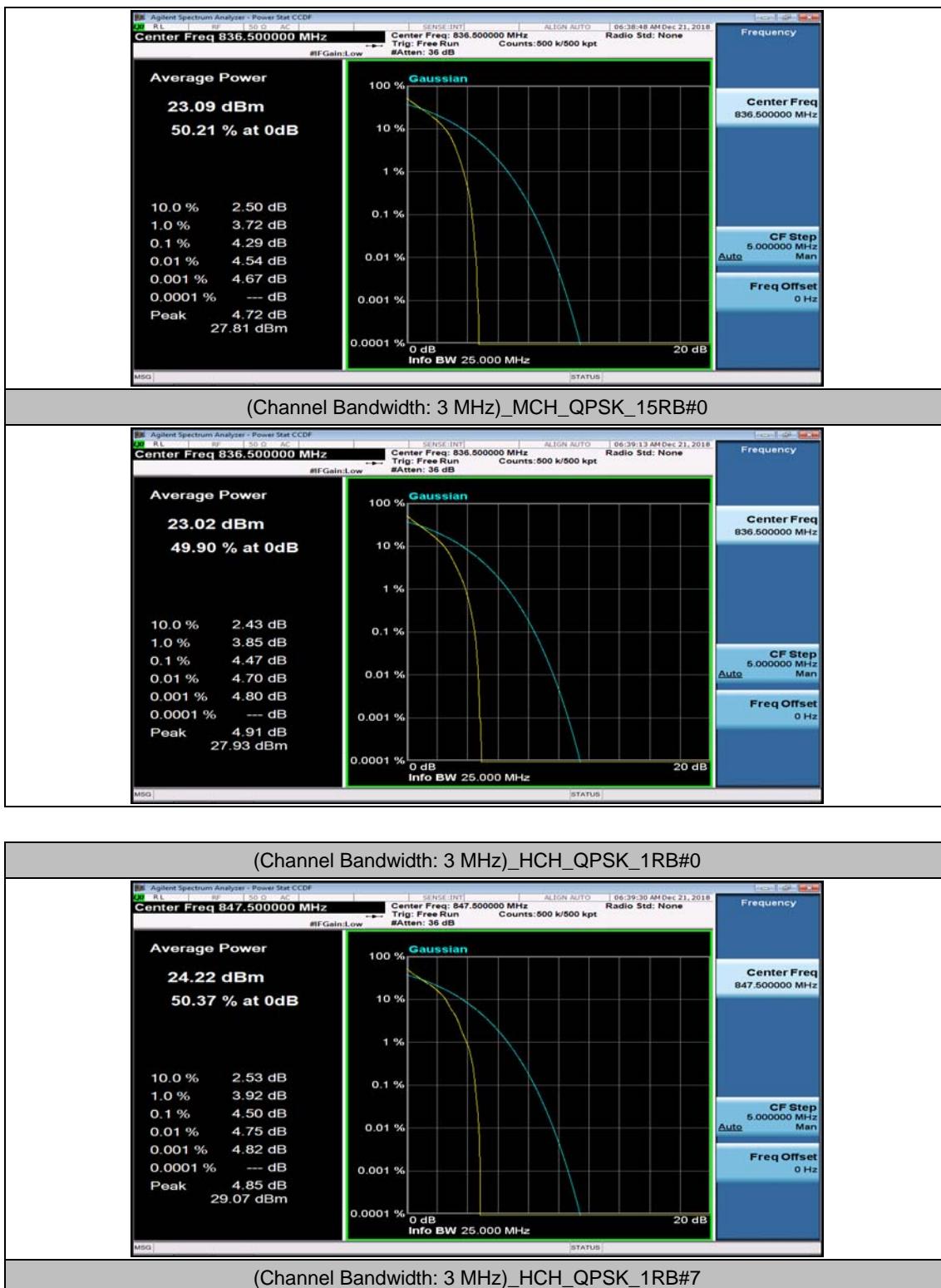
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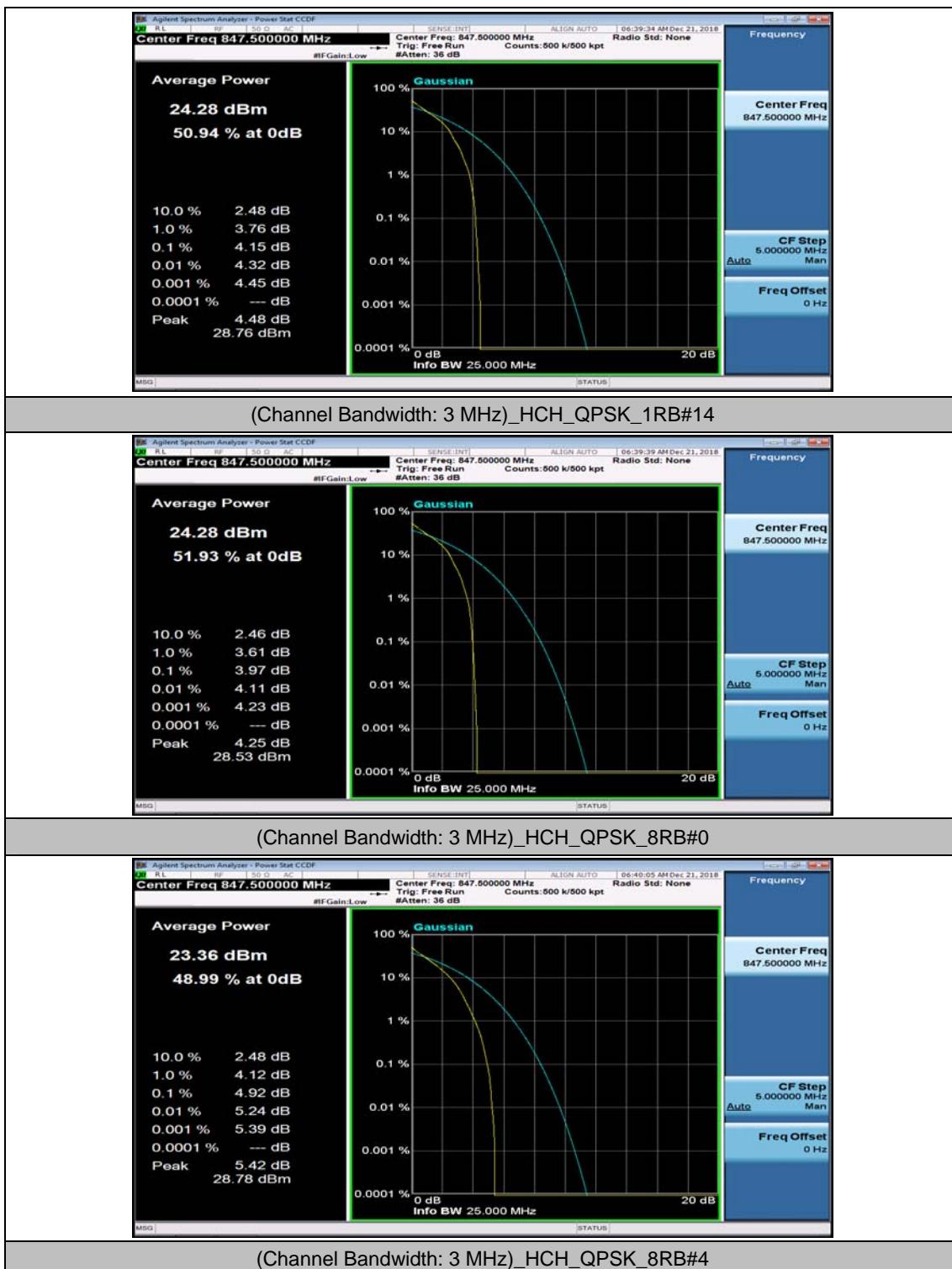


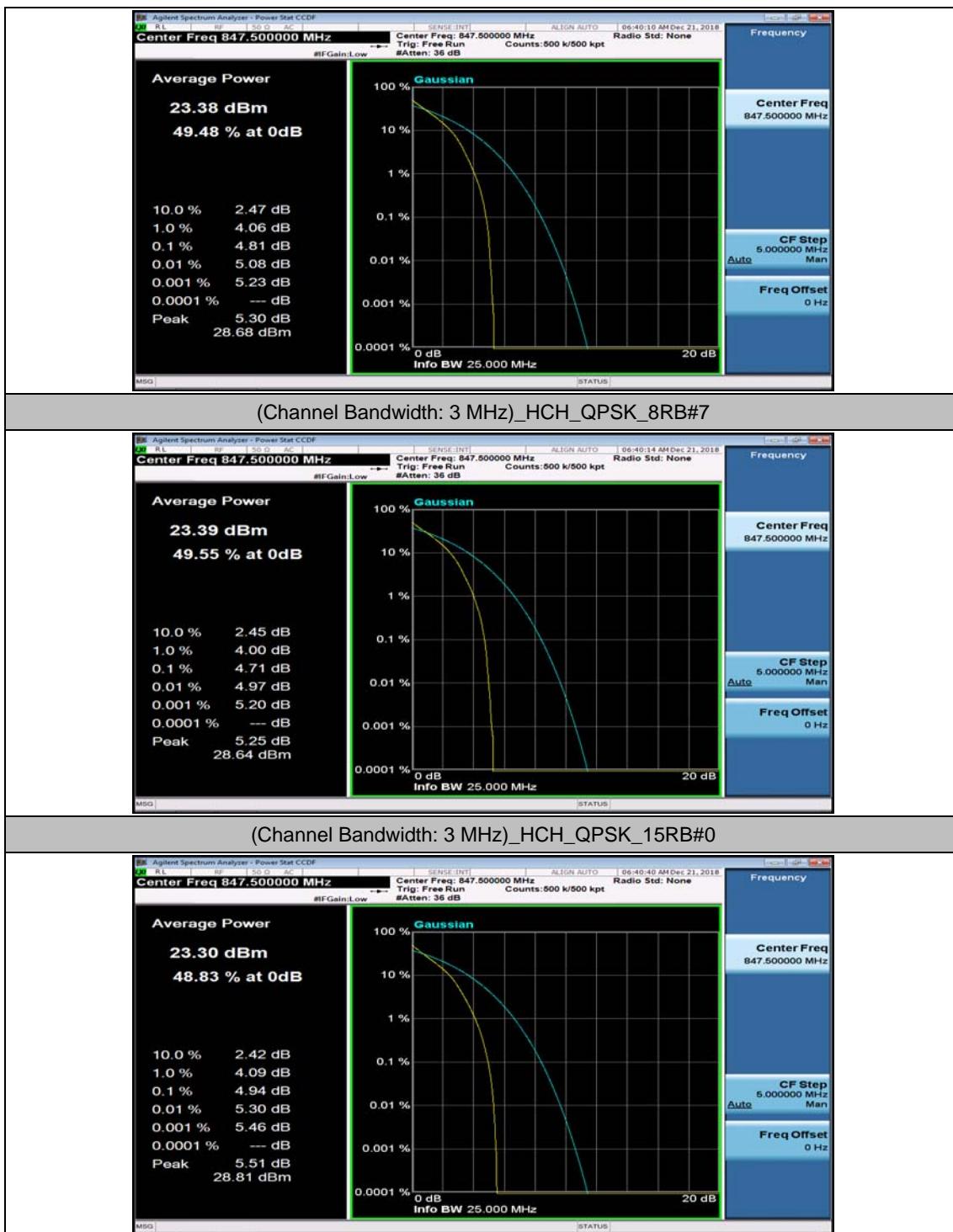


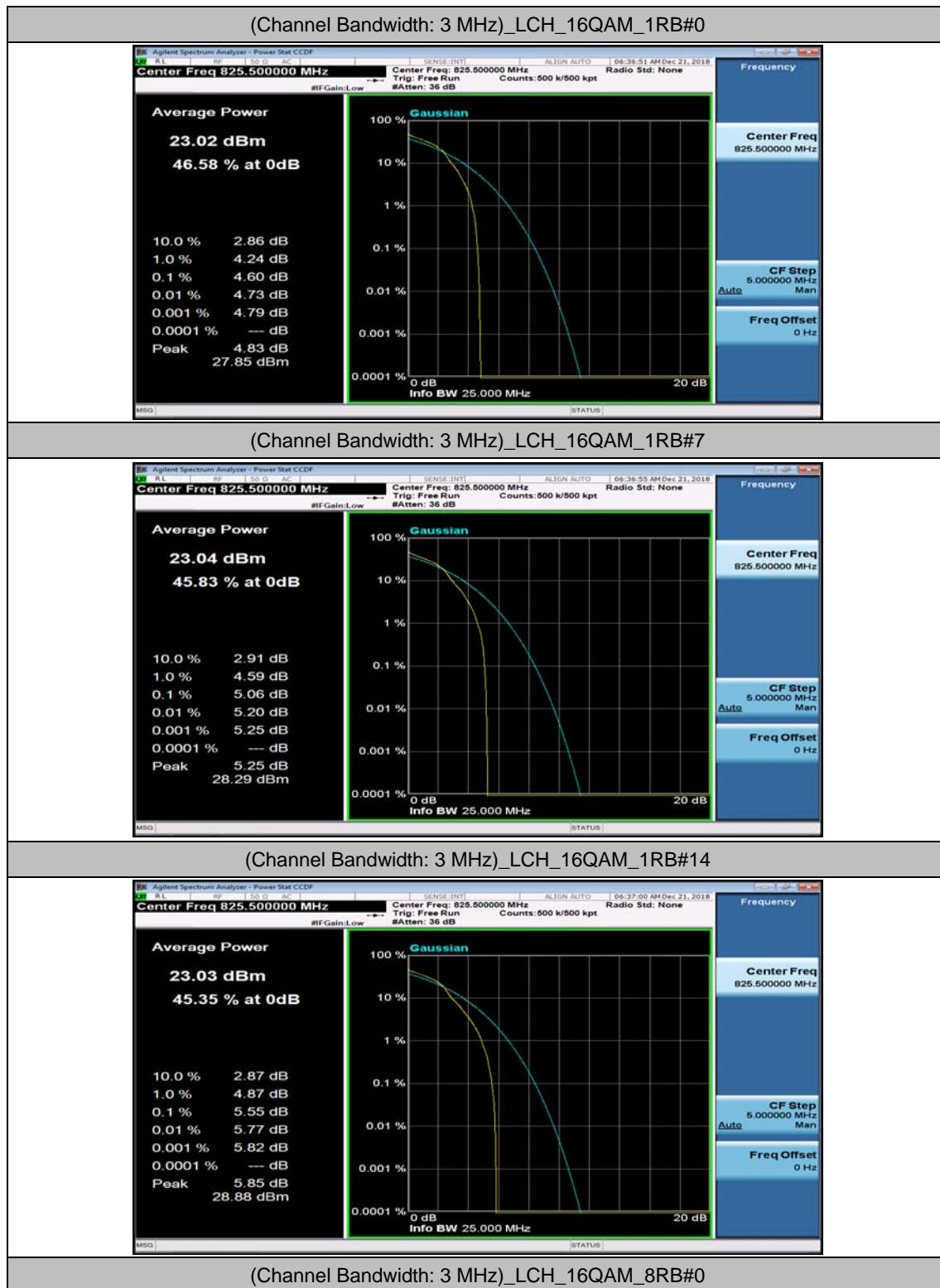


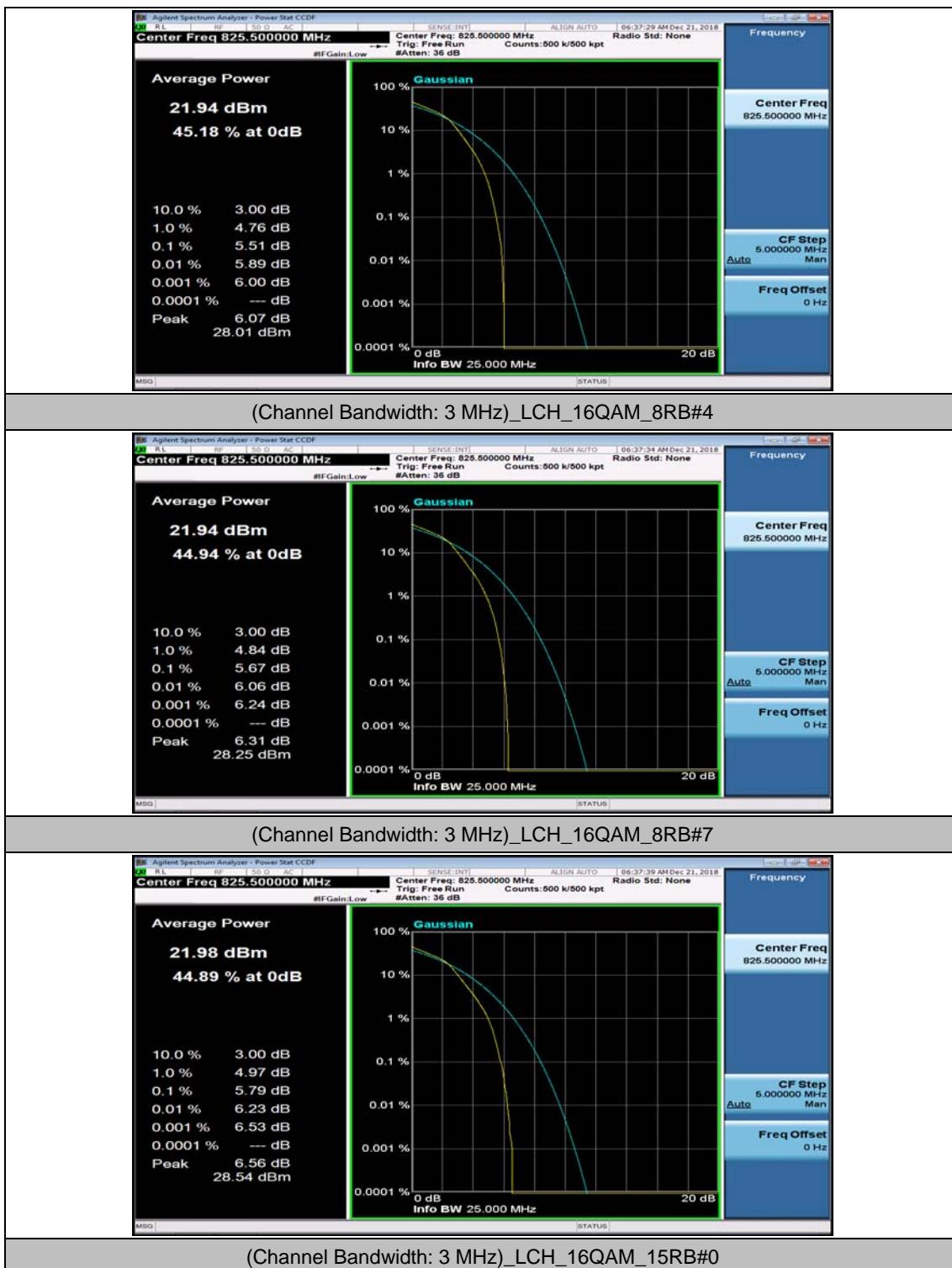


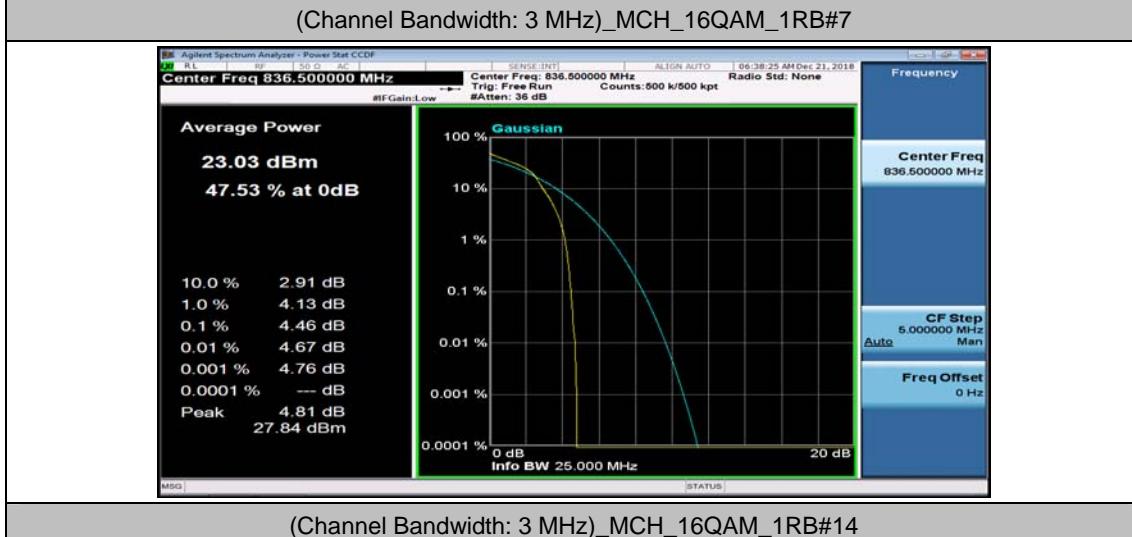
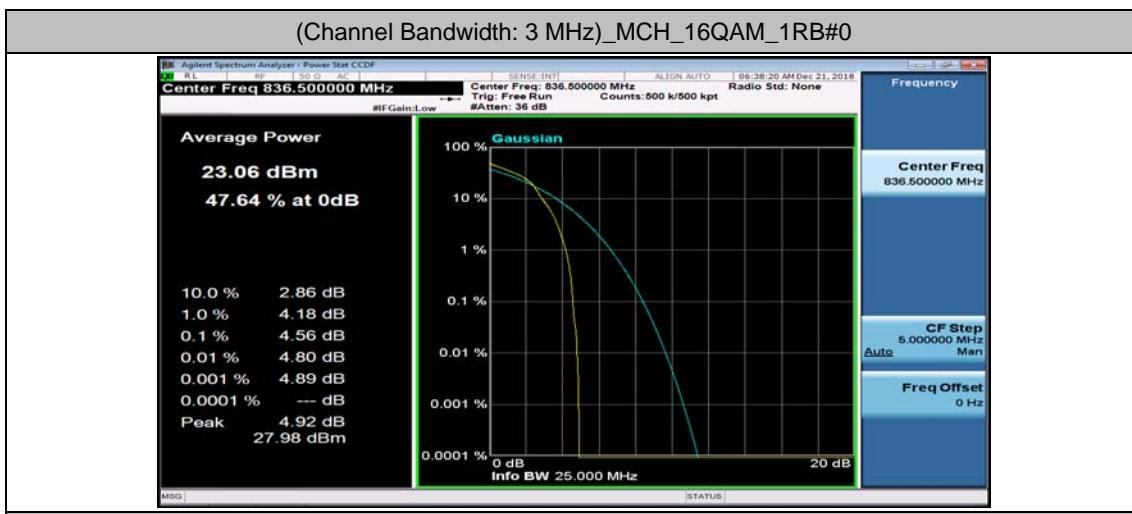


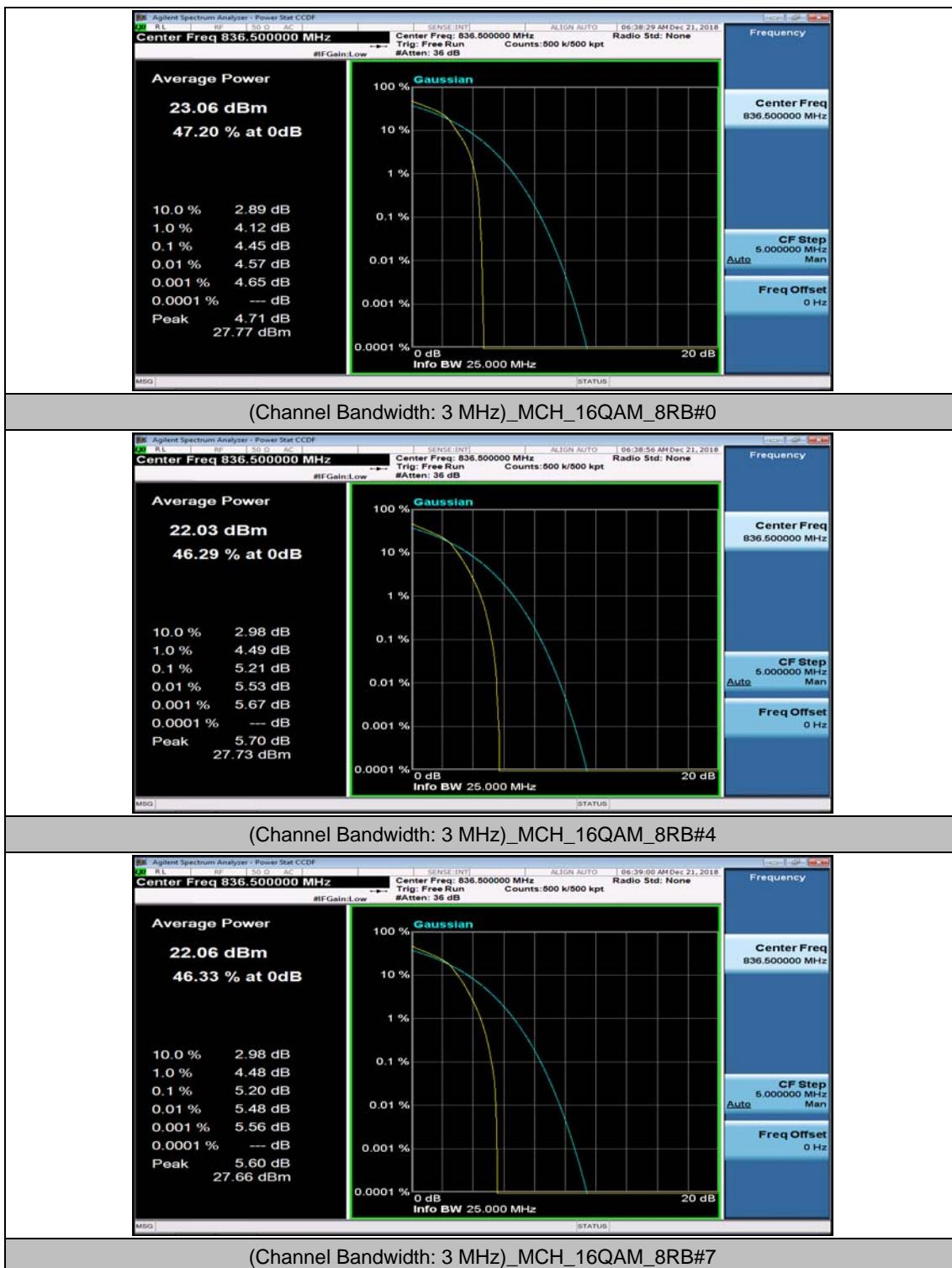


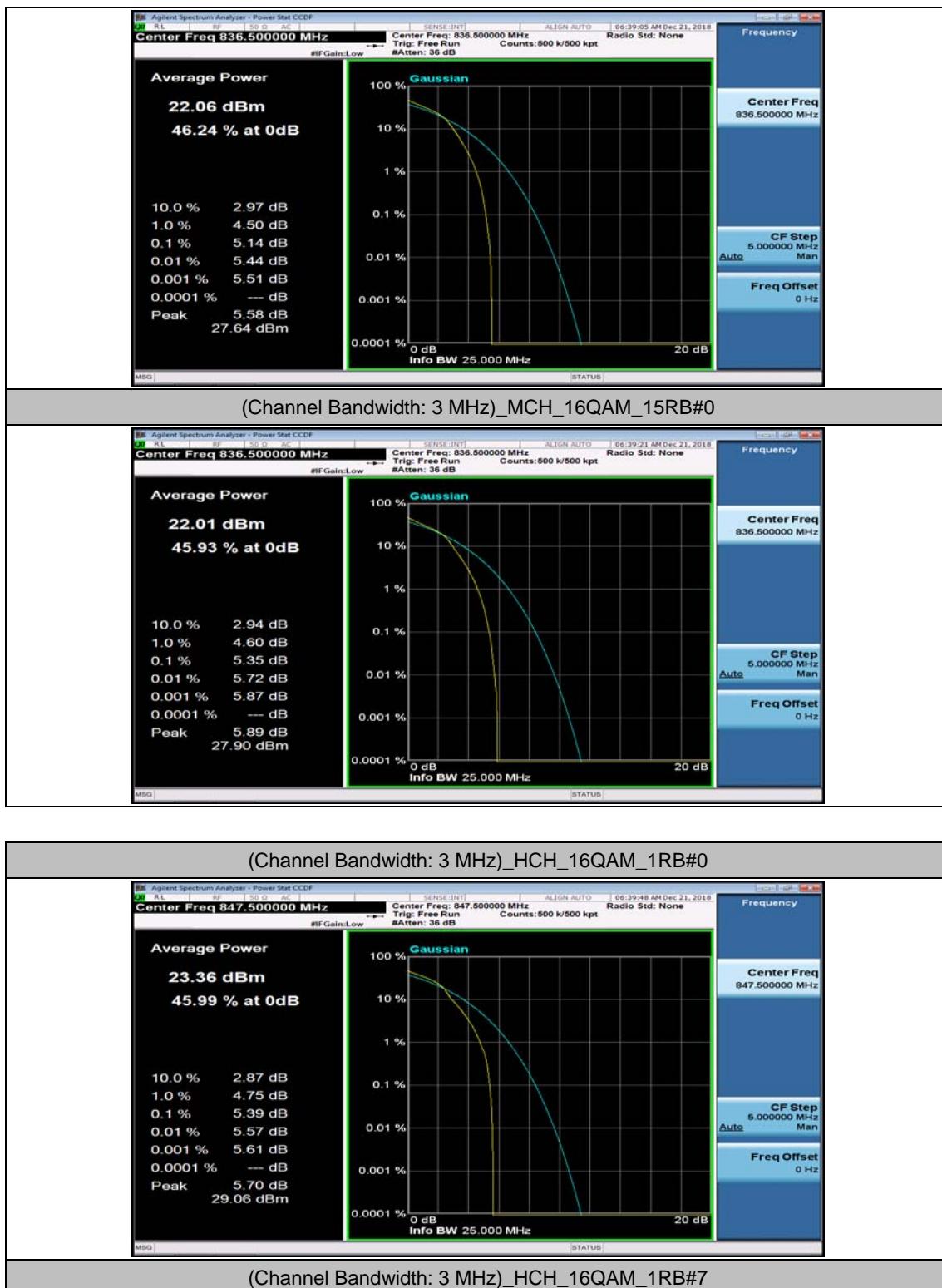


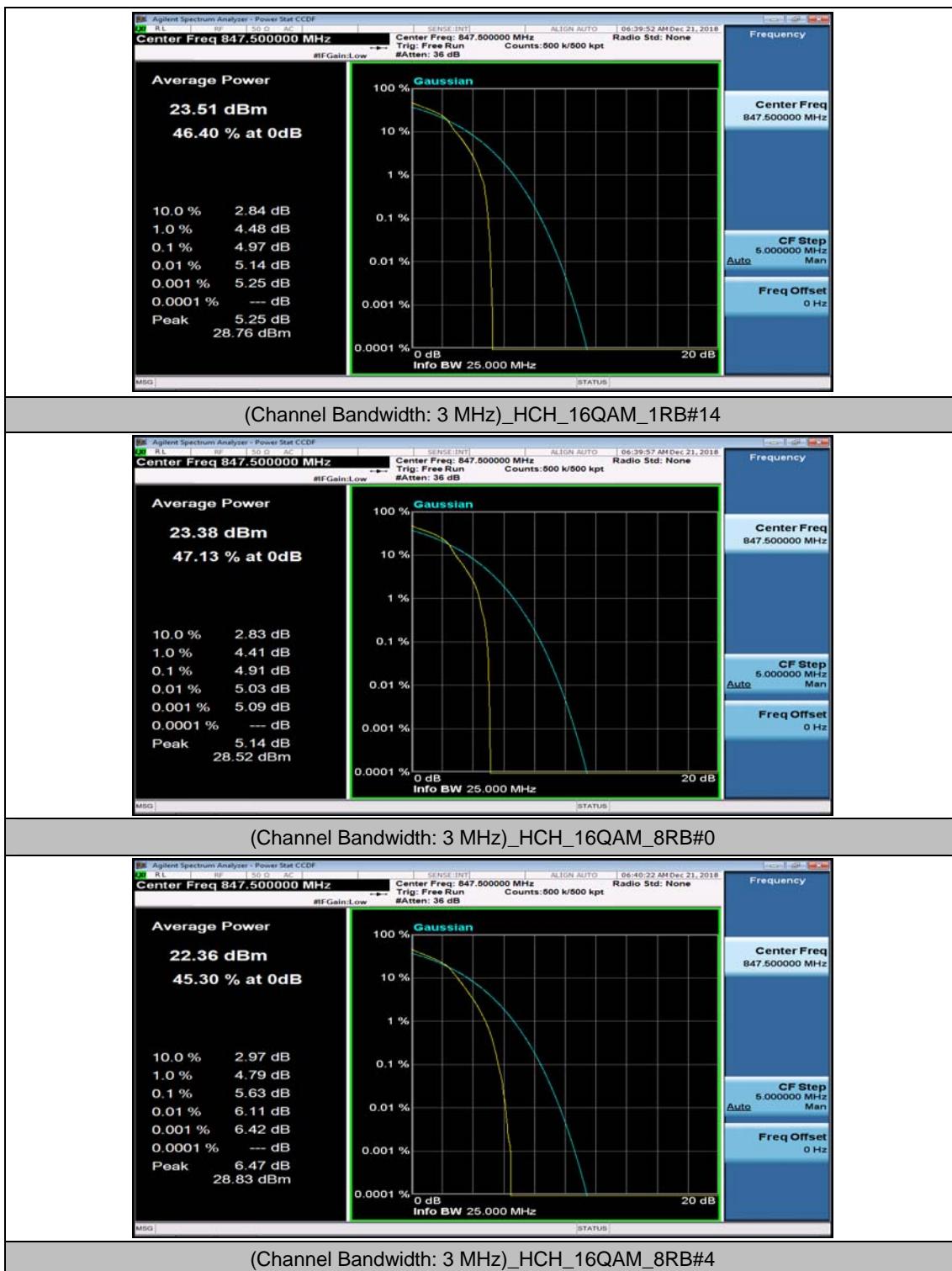


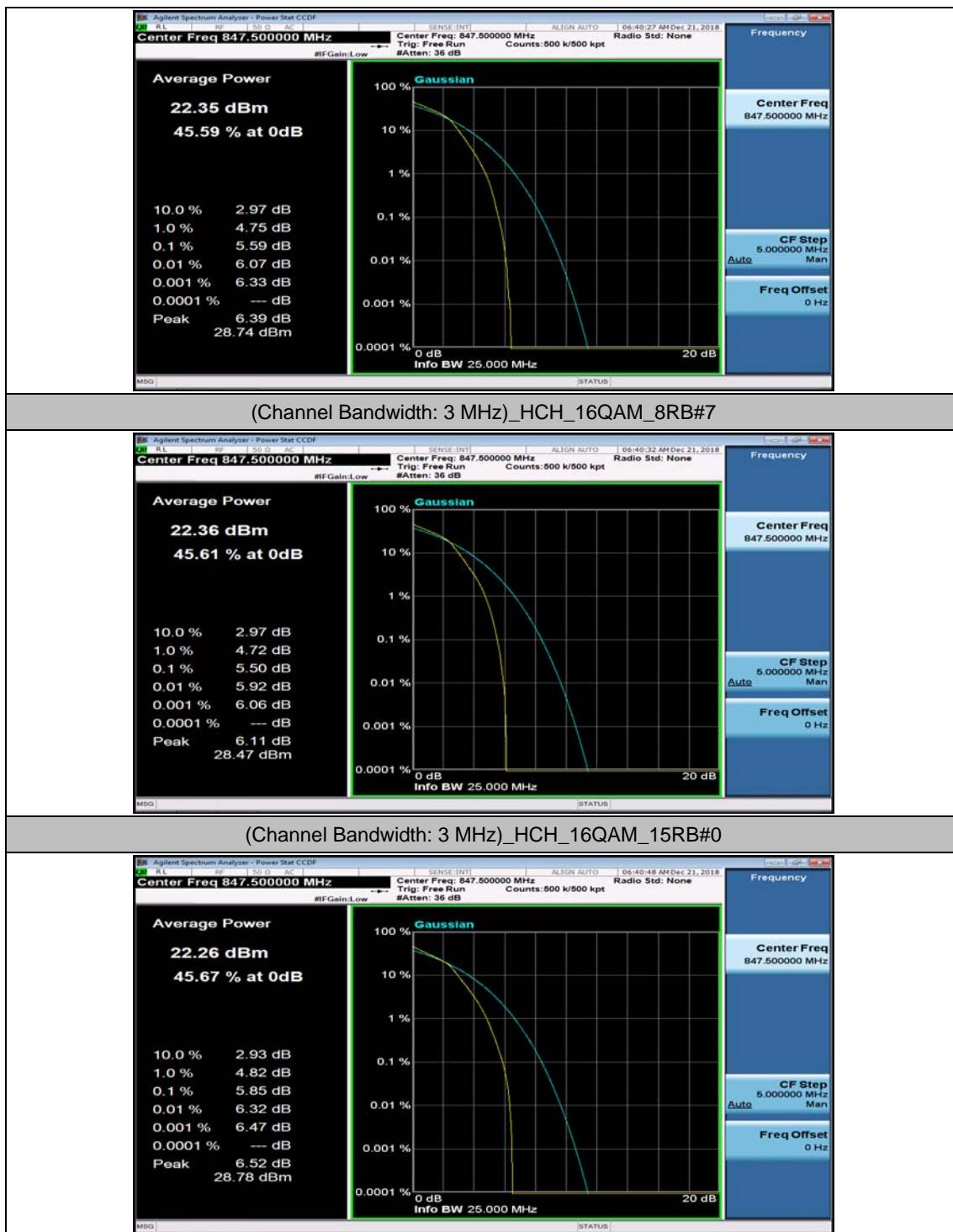




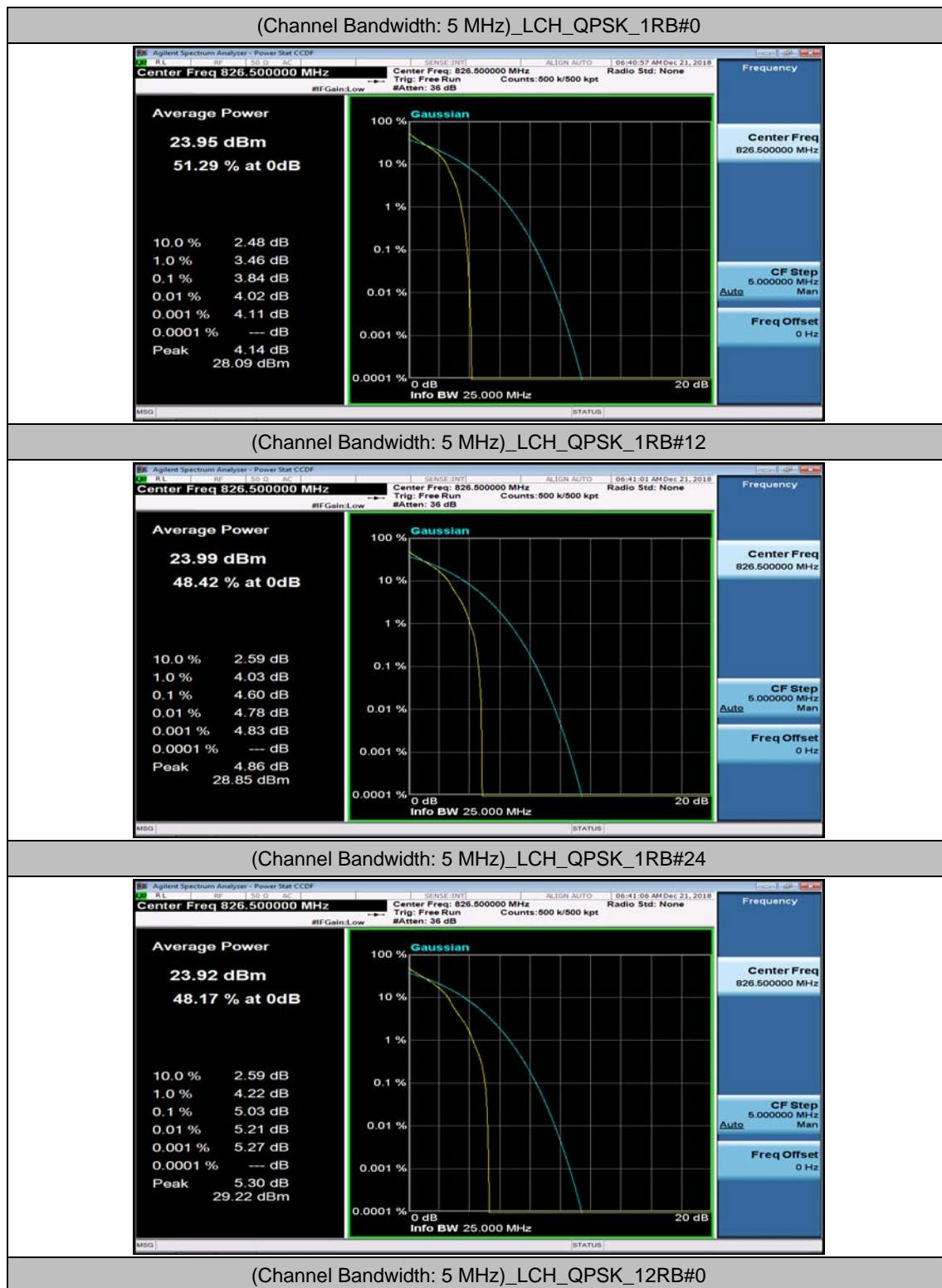


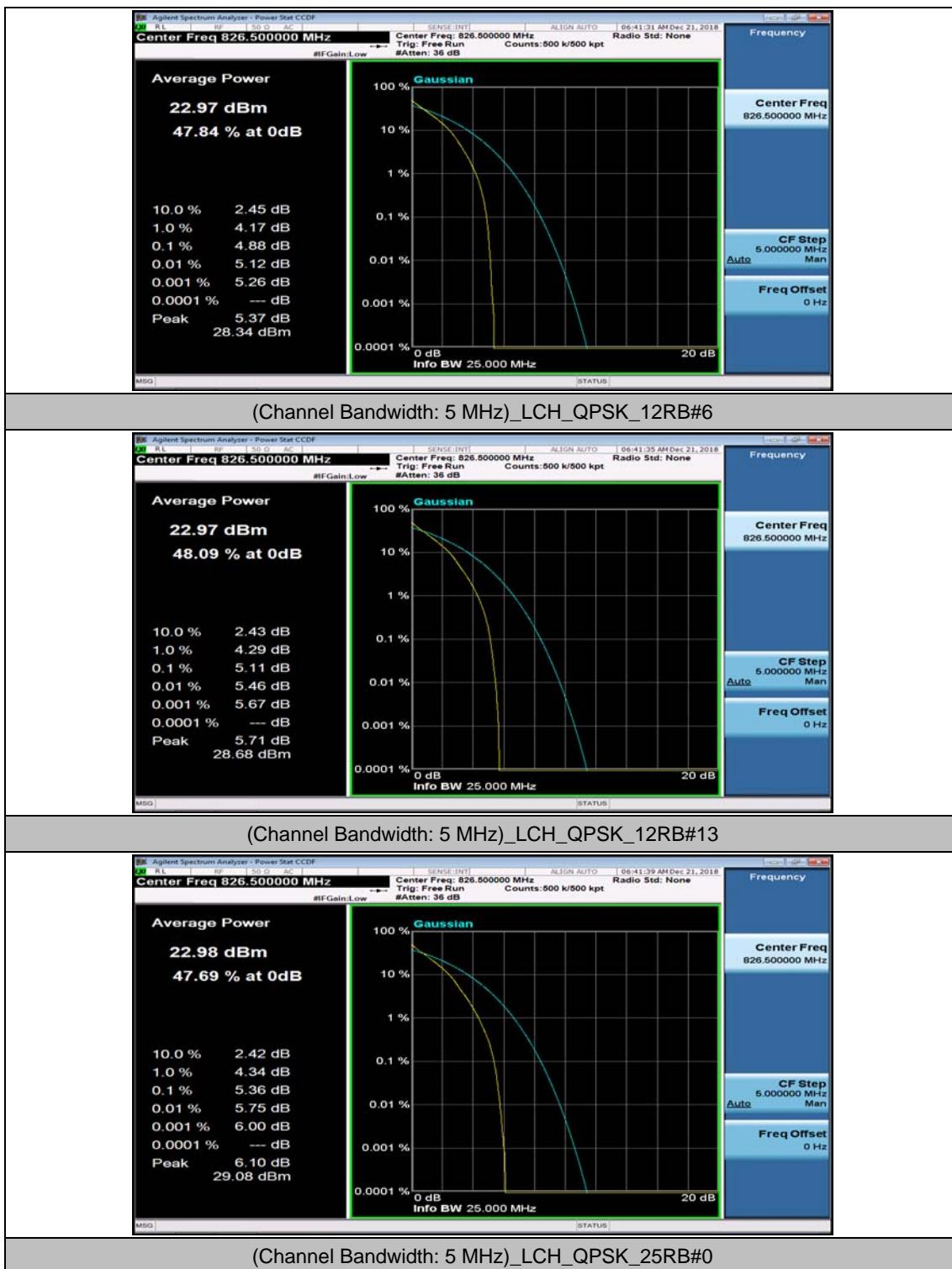


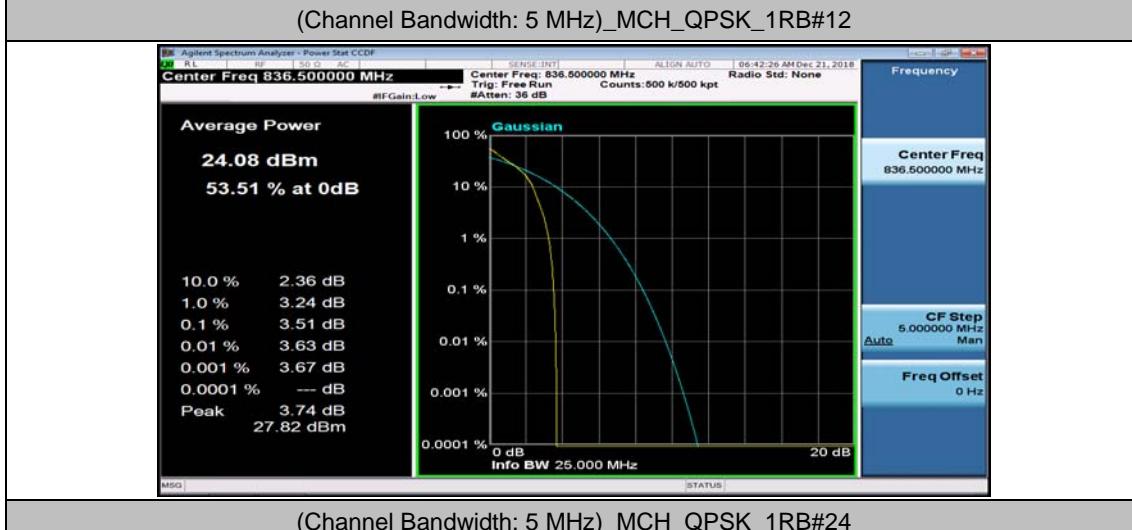
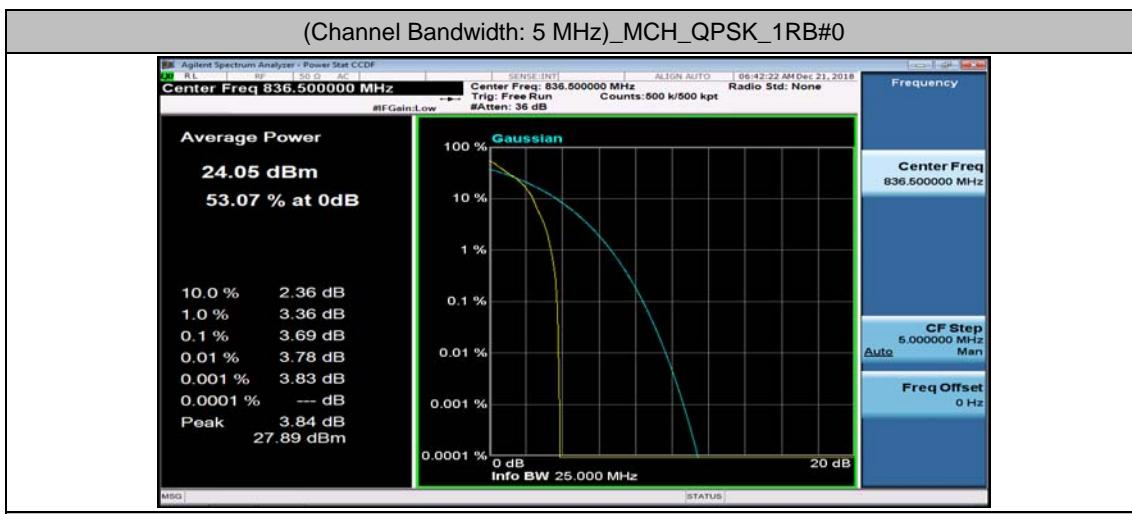
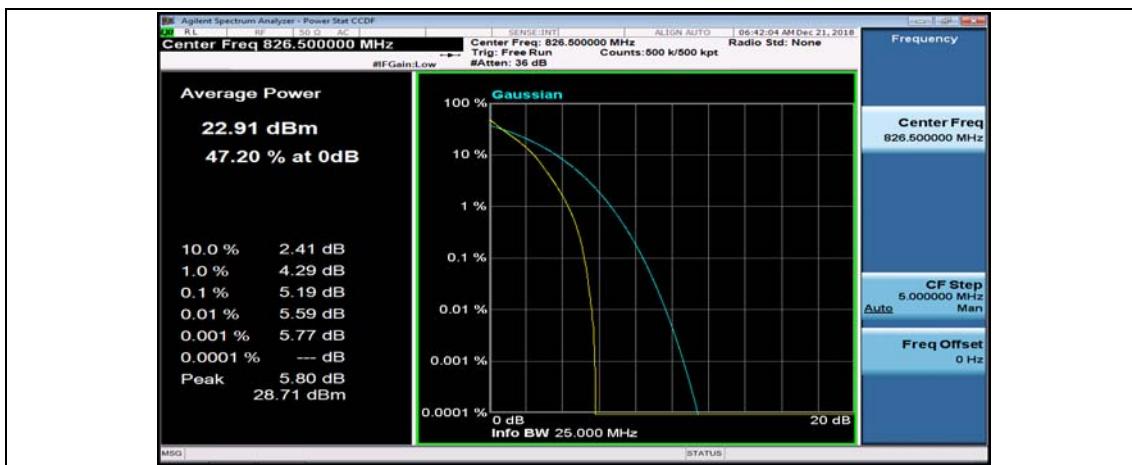




## Channel Bandwidth: 5 MHz







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

