

## 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	23.6	PASS
		1	3	23.66	PASS
		1	5	23.6	PASS
		3	0	23.08	PASS
		3	2	23.09	PASS
		3	3	23.12	PASS
		6	0	22.18	PASS
	MCH	1	0	23.7	PASS
		1	3	23.75	PASS
		1	5	23.7	PASS
		3	0	23.19	PASS
		3	2	23.14	PASS
		3	3	23.2	PASS
		6	0	22.26	PASS
16QAM	LCH	1	0	23.96	PASS
		1	3	24.03	PASS
		1	5	23.98	PASS
		3	0	23.05	PASS
		3	2	23.06	PASS
		3	3	23.07	PASS
		6	0	22.09	PASS
	MCH	1	0	22.71	PASS
		1	3	22.86	PASS
		1	5	22.77	PASS
		3	0	22.65	PASS
		3	2	22.62	PASS
		3	3	22.65	PASS
		6	0	21.6	PASS

		3	2	22.56	PASS
		3	3	22.64	PASS
		6	0	21.66	PASS
HCH		1	0	23.12	PASS
		1	3	23.24	PASS
		1	5	23.13	PASS
		3	0	23.04	PASS
		3	2	23	PASS
		3	3	23.02	PASS
		6	0	21.99	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.5	PASS
		1	7	23.62	PASS
		1	14	23.55	PASS
		8	0	22.69	PASS
		8	4	22.7	PASS
		8	7	22.7	PASS
		15	0	22.65	PASS
	MCH	1	0	23.66	PASS
		1	7	23.76	PASS
		1	14	23.67	PASS
		8	0	22.78	PASS
		8	4	22.76	PASS
		8	7	22.79	PASS
		15	0	22.69	PASS
	HCH	1	0	23.81	PASS
		1	7	23.9	PASS
		1	14	23.89	PASS
		8	0	23.04	PASS
		8	4	23.05	PASS
		8	7	23.07	PASS
		15	0	23.01	PASS
16QAM	LCH	1	0	22.75	PASS
		1	7	22.89	PASS
		1	14	22.81	PASS
		8	0	21.71	PASS
		8	4	21.75	PASS
		8	7	21.72	PASS
		15	0	21.59	PASS

	MCH	1	0	22.92	PASS
		1	7	23	PASS
		1	14	22.93	PASS
		8	0	21.72	PASS
		8	4	21.69	PASS
		8	7	21.72	PASS
		15	0	21.66	PASS
	HCH	1	0	23.1	PASS
		1	7	23.2	PASS
		1	14	23.15	PASS
		8	0	22.04	PASS
		8	4	22.07	PASS
		8	7	22.05	PASS
		15	0	21.94	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.7	PASS
		1	12	23.77	PASS
		1	24	23.66	PASS
		12	0	22.72	PASS
		12	6	22.71	PASS
		12	13	22.69	PASS
		25	0	22.64	PASS
	MCH	1	0	23.75	PASS
		1	12	23.8	PASS
		1	24	23.76	PASS
		12	0	22.75	PASS
		12	6	22.75	PASS
		12	13	22.78	PASS
		25	0	22.73	PASS
	HCH	1	0	23.99	PASS
		1	12	24.01	PASS
		1	24	24.01	PASS
		12	0	23.01	PASS
		12	6	23.02	PASS
		12	13	23.04	PASS
		25	0	22.98	PASS
16QAM	LCH	1	0	22.86	PASS
		1	12	22.99	PASS
		1	24	22.9	PASS

		12	0	21.74	PASS
		12	6	21.74	PASS
		12	13	21.76	PASS
		25	0	21.64	PASS
MCH		1	0	22.89	PASS
		1	12	22.95	PASS
		1	24	22.93	PASS
		12	0	21.84	PASS
		12	6	21.84	PASS
		12	13	21.85	PASS
		25	0	21.71	PASS
HCH		1	0	23.22	PASS
		1	12	23.29	PASS
		1	24	23.23	PASS
		12	0	22.03	PASS
		12	6	22.04	PASS
		12	13	22.09	PASS
		25	0	21.96	PASS

## Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.97	PASS
		1	24	23.91	PASS
		1	49	23.64	PASS
		25	0	22.97	PASS
		25	12	22.67	PASS
		25	25	22.69	PASS
		50	0	22.67	PASS
QPSK	MCH	1	0	23.66	PASS
		1	24	23.72	PASS
		1	49	23.77	PASS
		25	0	22.92	PASS
		25	12	22.74	PASS
		25	25	22.79	PASS
		50	0	22.75	PASS
QPSK	HCH	1	0	24.05	PASS
		1	24	23.86	PASS
		1	49	23.96	PASS
		25	0	23.31	PASS
		25	12	22.93	PASS
		25	25	23	PASS

		50	0	23.16	PASS
16QAM	LCH	1	0	22.86	PASS
		1	24	22.88	PASS
		1	49	22.86	PASS
		25	0	21.68	PASS
		25	12	21.67	PASS
		25	25	21.65	PASS
		50	0	21.67	PASS
	MCH	1	0	22.99	PASS
		1	24	22.99	PASS
		1	49	23.17	PASS
		25	0	21.71	PASS
		25	12	21.74	PASS
		25	25	21.81	PASS
		50	0	21.79	PASS
	HCH	1	0	23.07	PASS
		1	24	23.16	PASS
		1	49	23.23	PASS
		25	0	21.93	PASS
		25	12	21.93	PASS
		25	25	21.96	PASS
		50	0	21.96	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	3.65	<13	PASS
		1	3	3.68	<13	PASS
		1	5	3.85	<13	PASS
		3	0	3.63	<13	PASS
		3	2	3.77	<13	PASS
		3	3	3.72	<13	PASS
		6	0	4.58	<13	PASS
	MCH	1	0	3.48	<13	PASS
		1	3	3.35	<13	PASS
		1	5	3.41	<13	PASS
		3	0	3.45	<13	PASS
		3	2	3.46	<13	PASS
		3	3	3.42	<13	PASS
		6	0	4.3	<13	PASS
16QAM	LCH	1	0	3.7	<13	PASS
		1	3	3.6	<13	PASS
		1	5	3.55	<13	PASS
		3	0	3.82	<13	PASS
		3	2	3.77	<13	PASS
		3	3	3.73	<13	PASS
		6	0	4.7	<13	PASS
	MCH	1	0	4.68	<13	PASS
		1	3	4.68	<13	PASS
		1	5	4.83	<13	PASS
		3	0	4.55	<13	PASS
		3	2	4.63	<13	PASS
		3	3	4.65	<13	PASS
		6	0	5.49	<13	PASS

		3	3	4.4	<13	PASS
		6	0	5.28	<13	PASS
HCH		1	0	4.8	<13	PASS
		1	3	4.67	<13	PASS
		1	5	4.69	<13	PASS
		3	0	4.72	<13	PASS
		3	2	4.68	<13	PASS
		3	3	4.63	<13	PASS
		6	0	5.53	<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	3.58	<13	PASS
		1	7	3.91	<13	PASS
		1	14	4.11	<13	PASS
		8	0	4.66	<13	PASS
		8	4	4.9	<13	PASS
		8	7	5.01	<13	PASS
		15	0	4.91	<13	PASS
	MCH	1	0	3.52	<13	PASS
		1	7	3.37	<13	PASS
		1	14	3.55	<13	PASS
		8	0	4.34	<13	PASS
		8	4	4.36	<13	PASS
		8	7	4.37	<13	PASS
		15	0	4.53	<13	PASS
	HCH	1	0	4	<13	PASS
		1	7	3.73	<13	PASS
		1	14	3.65	<13	PASS
		8	0	4.9	<13	PASS
		8	4	4.8	<13	PASS
		8	7	4.7	<13	PASS
		15	0	4.93	<13	PASS
16QAM	LCH	1	0	4.7	<13	PASS
		1	7	5.02	<13	PASS
		1	14	5.26	<13	PASS
		8	0	5.45	<13	PASS
		8	4	5.59	<13	PASS
		8	7	5.74	<13	PASS

		15	0	5.87	<13	PASS
MCH	1	0		4.61	<13	PASS
	1	7		4.52	<13	PASS
	1	14		4.63	<13	PASS
	8	0		5.21	<13	PASS
	8	4		5.25	<13	PASS
	8	7		5.25	<13	PASS
	15	0		5.37	<13	PASS
HCH	1	0		4.99	<13	PASS
	1	7		4.84	<13	PASS
	1	14		4.72	<13	PASS
	8	0		5.59	<13	PASS
	8	4		5.54	<13	PASS
	8	7		5.53	<13	PASS
	15	0		5.9	<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	3.67	<13	PASS
		1	12	4.15	<13	PASS
		1	24	4.33	<13	PASS
		12	0	4.83	<13	PASS
		12	6	5.1	<13	PASS
		12	13	5.28	<13	PASS
		25	0	5.18	<13	PASS
QPSK	MCH	1	0	3.52	<13	PASS
		1	12	3.47	<13	PASS
		1	24	3.63	<13	PASS
		12	0	4.42	<13	PASS
		12	6	4.31	<13	PASS
		12	13	4.43	<13	PASS
		25	0	4.51	<13	PASS
QPSK	HCH	1	0	4.12	<13	PASS
		1	12	3.97	<13	PASS
		1	24	3.69	<13	PASS
		12	0	5.15	<13	PASS
		12	6	5.01	<13	PASS
		12	13	4.85	<13	PASS
		25	0	5.07	<13	PASS

16QAM	LCH	1	0	4.54	<13	PASS
		1	12	5.24	<13	PASS
		1	24	5.32	<13	PASS
		12	0	5.63	<13	PASS
		12	6	5.97	<13	PASS
		12	13	6.13	<13	PASS
		25	0	5.87	<13	PASS
	MCH	1	0	4.58	<13	PASS
		1	12	4.5	<13	PASS
		1	24	4.84	<13	PASS
		12	0	5.31	<13	PASS
		12	6	5.25	<13	PASS
		12	13	5.24	<13	PASS
		25	0	5.43	<13	PASS
	HCH	1	0	5.18	<13	PASS
		1	12	5.01	<13	PASS
		1	24	4.66	<13	PASS
		12	0	5.95	<13	PASS
		12	6	5.81	<13	PASS
		12	13	5.77	<13	PASS
		25	0	5.82	<13	PASS

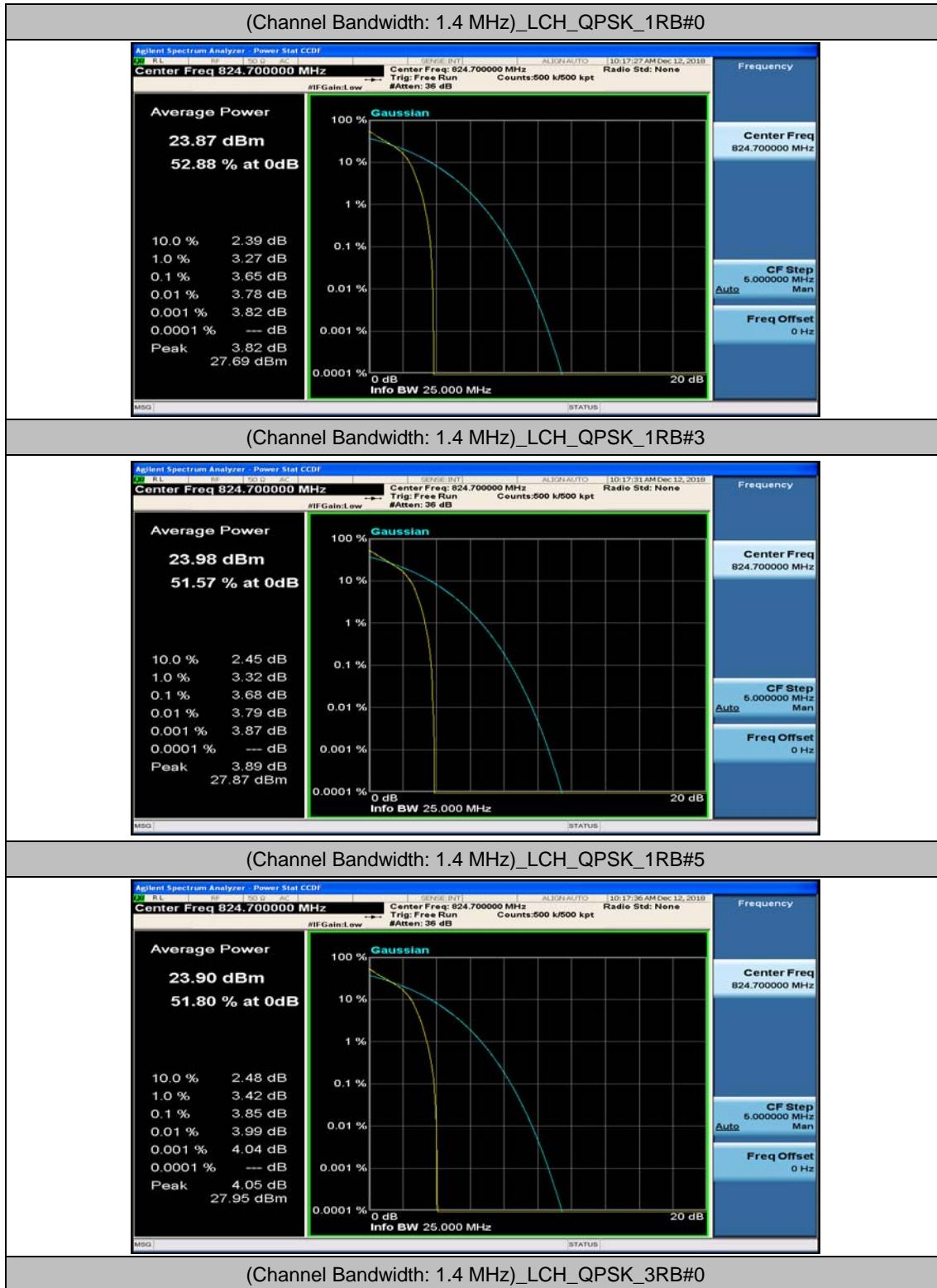
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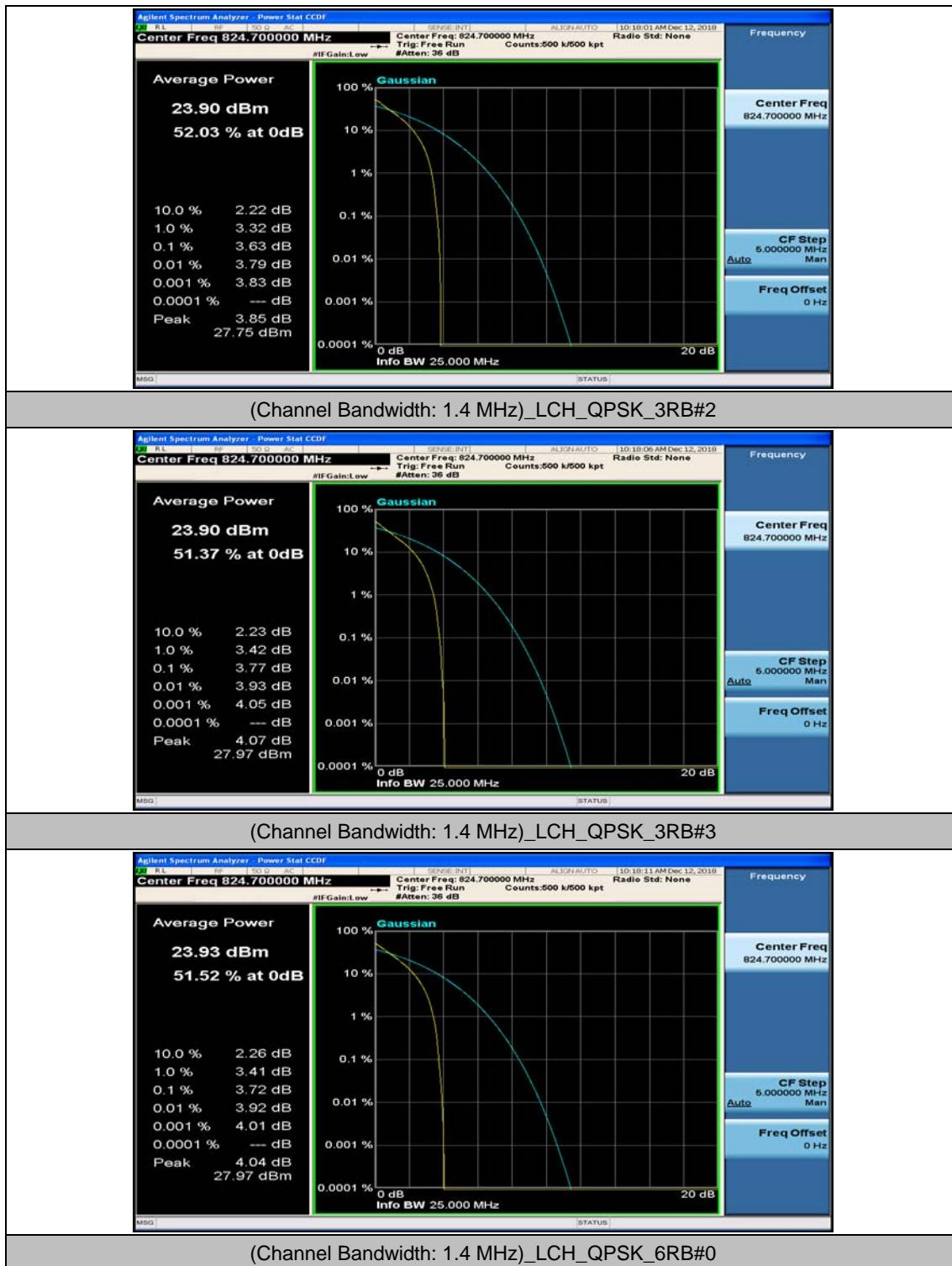
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.68	<13	PASS
		1	24	4.19	<13	PASS
		1	49	3.57	<13	PASS
		25	0	5.19	<13	PASS
		25	12	5.27	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.14	<13	PASS
	MCH	1	0	3.64	<13	PASS
		1	24	3.35	<13	PASS
		1	49	3.95	<13	PASS
		25	0	4.61	<13	PASS
		25	12	4.53	<13	PASS
		25	25	4.64	<13	PASS
		50	0	4.77	<13	PASS
	HCH	1	0	3.8	<13	PASS

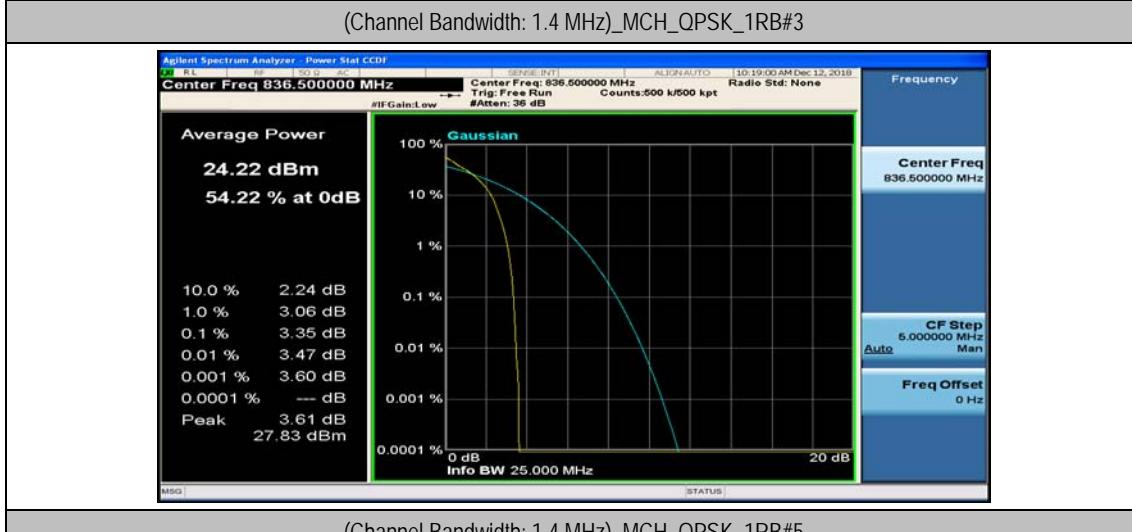
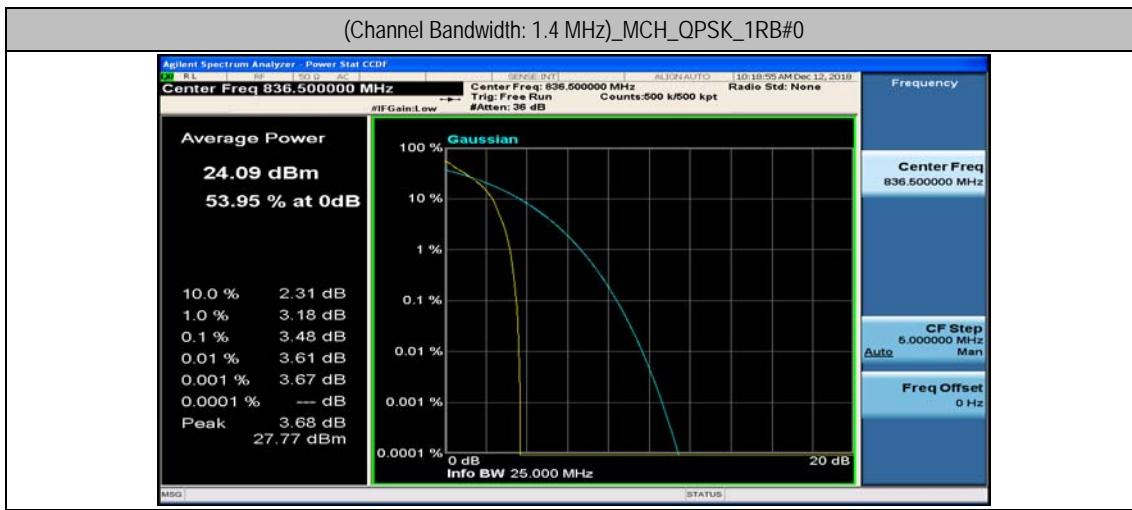
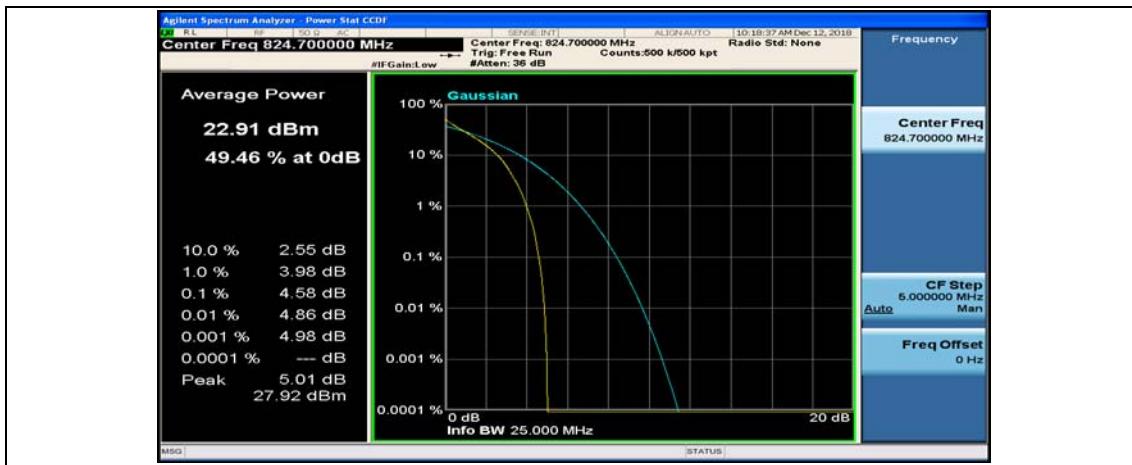
		1	24	4.09	<13	PASS
		1	49	3.65	<13	PASS
		25	0	5.03	<13	PASS
		25	12	5.17	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.07	<13	PASS
16QAM	LCH	1	0	4.68	<13	PASS
		1	24	5.38	<13	PASS
		1	49	4.77	<13	PASS
		25	0	5.93	<13	PASS
		25	12	6.15	<13	PASS
		25	25	5.78	<13	PASS
		50	0	5.91	<13	PASS
	MCH	1	0	4.89	<13	PASS
		1	24	4.49	<13	PASS
		1	49	5.05	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.37	<13	PASS
		25	25	5.55	<13	PASS
		50	0	5.56	<13	PASS
	HCH	1	0	4.86	<13	PASS
		1	24	5.2	<13	PASS
		1	49	4.78	<13	PASS
		25	0	5.84	<13	PASS
		25	12	6	<13	PASS
		25	25	5.88	<13	PASS
		50	0	5.87	<13	PASS

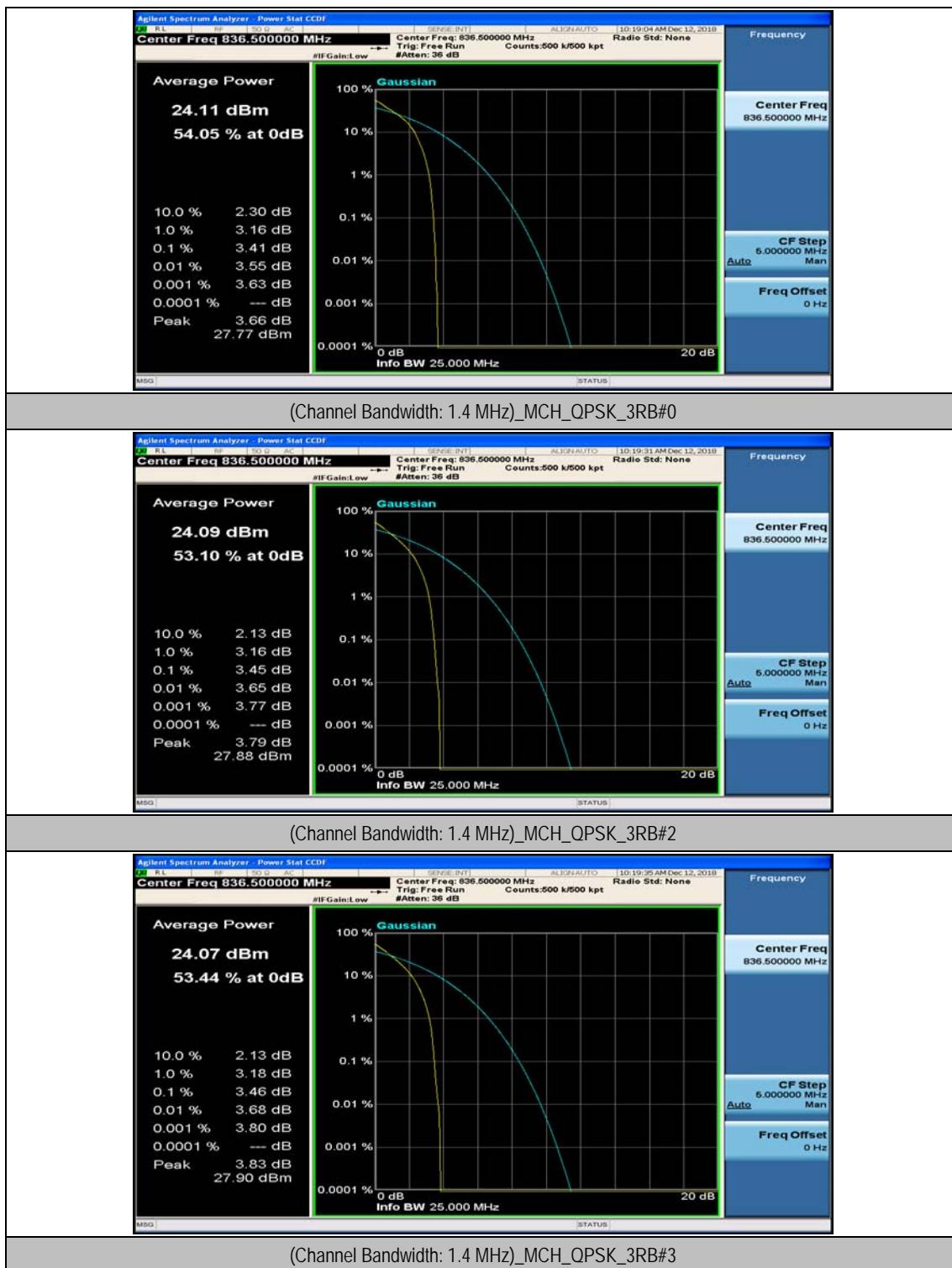
## Test Graphs

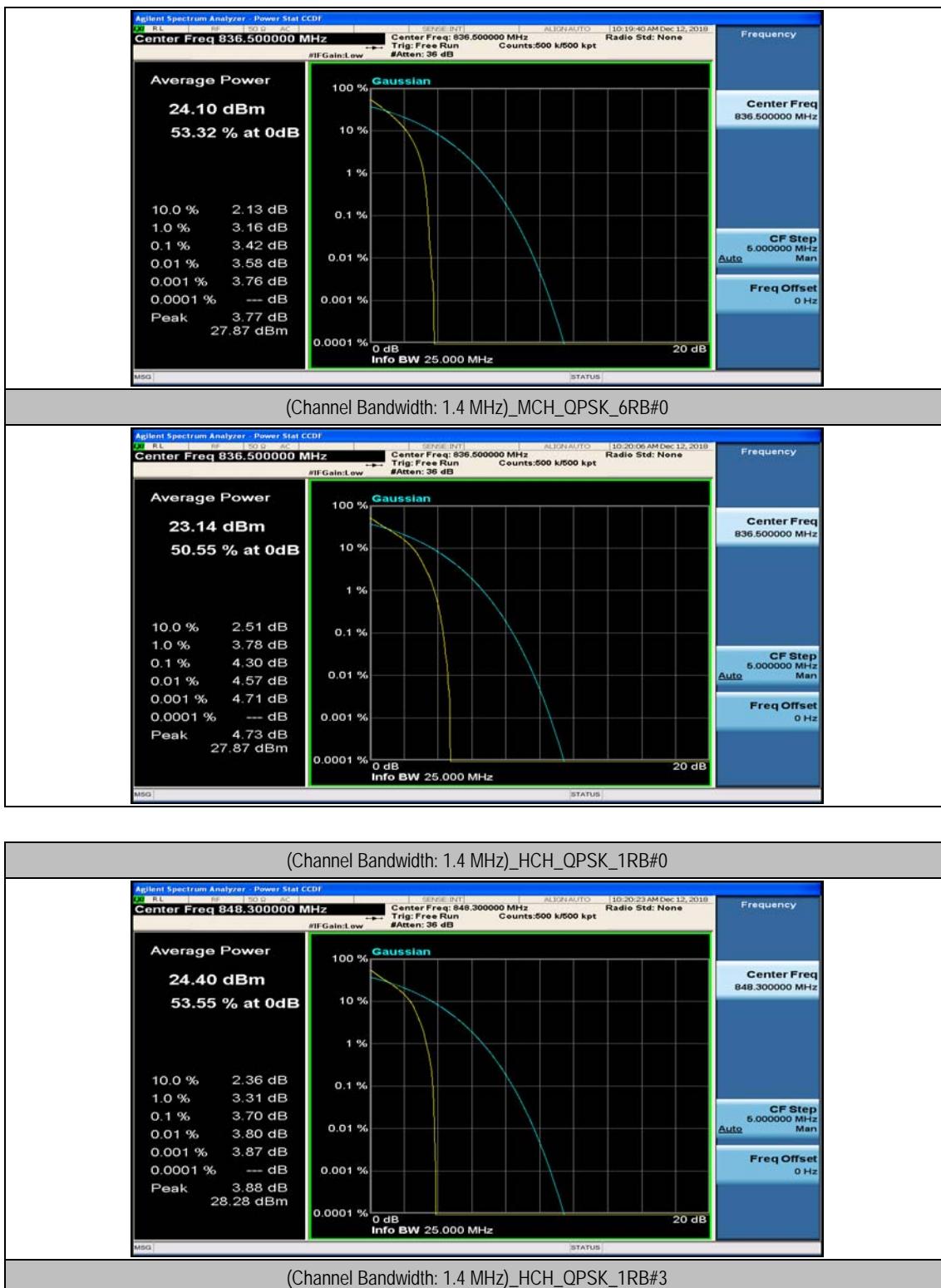
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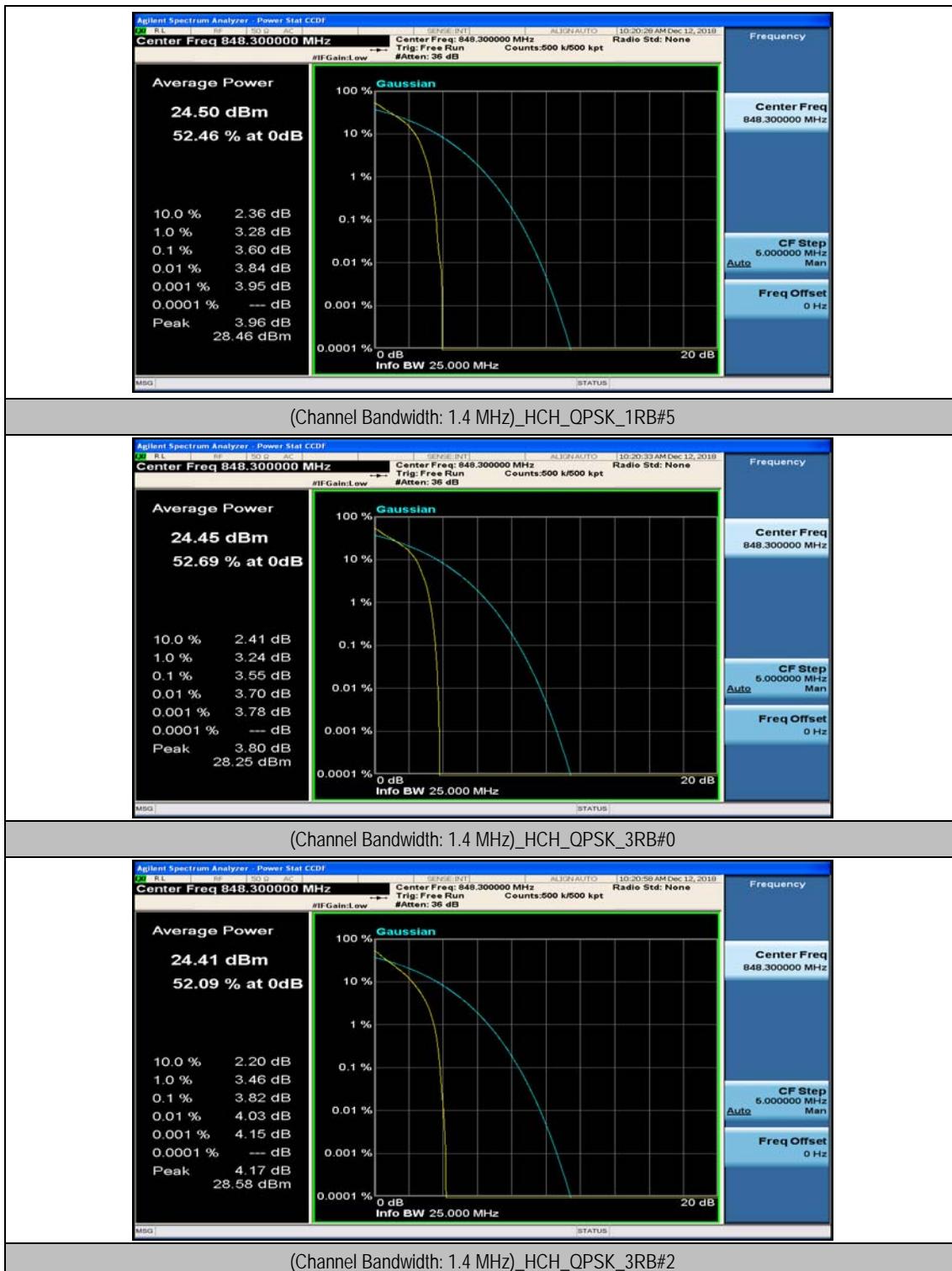


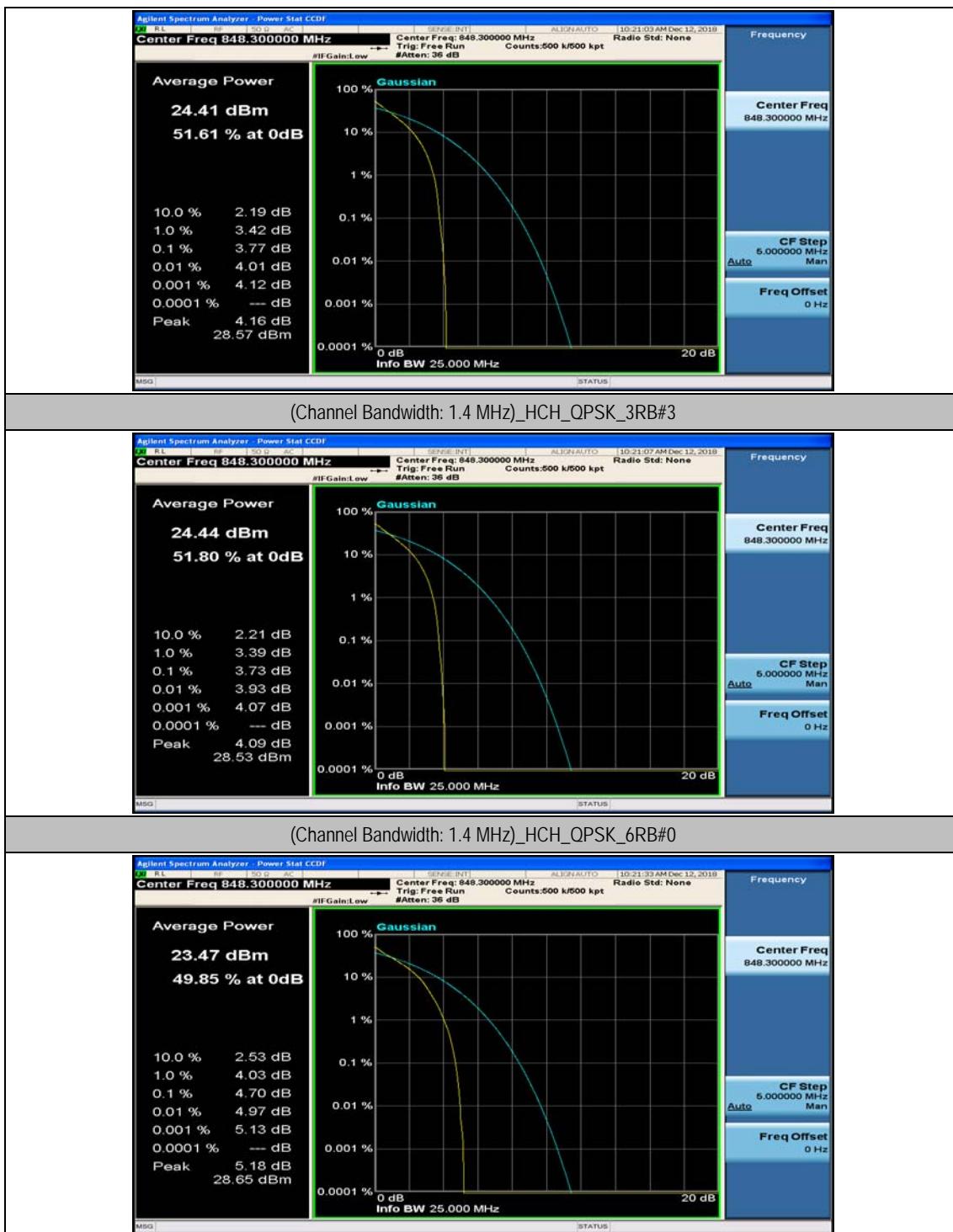


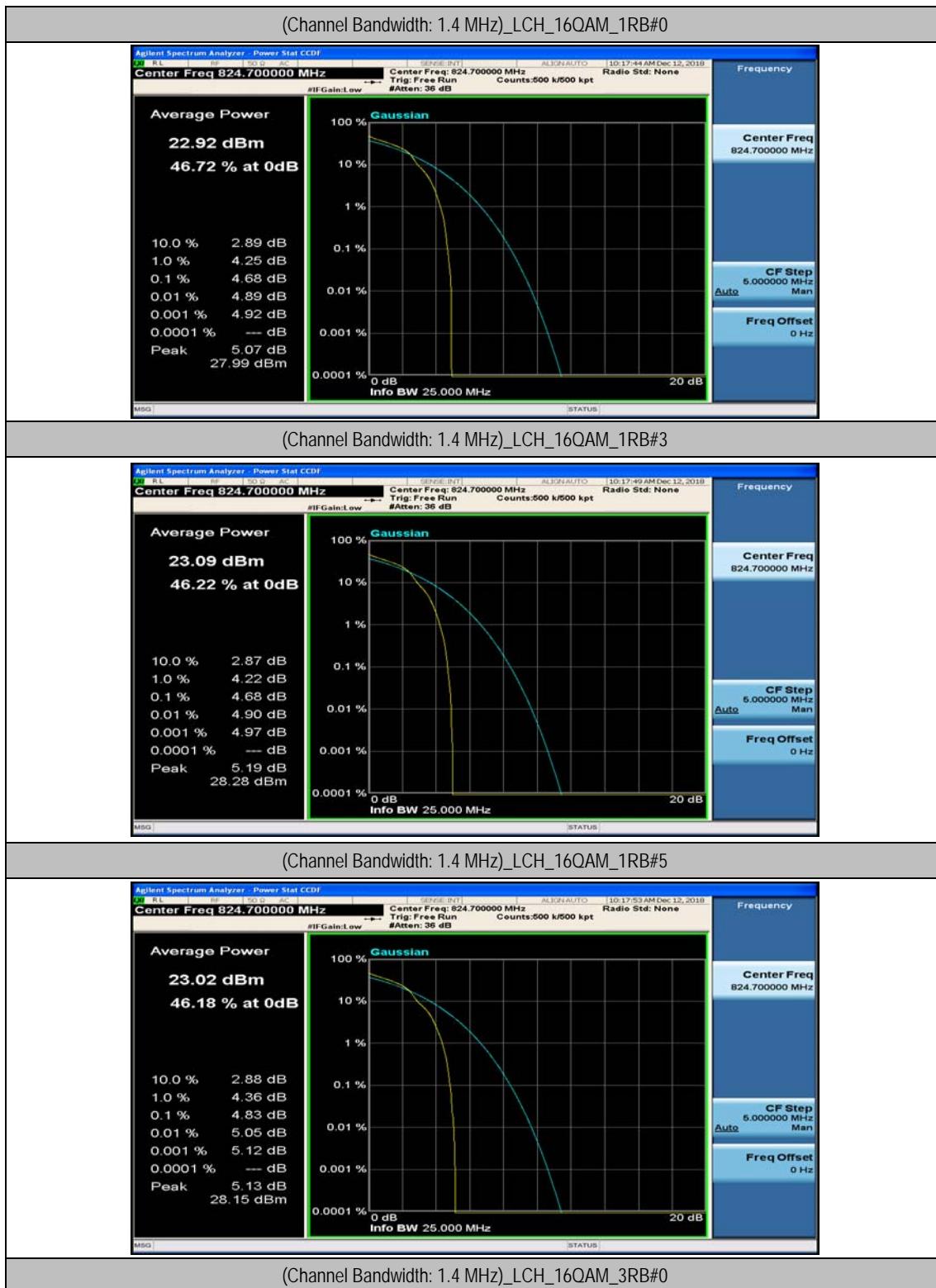


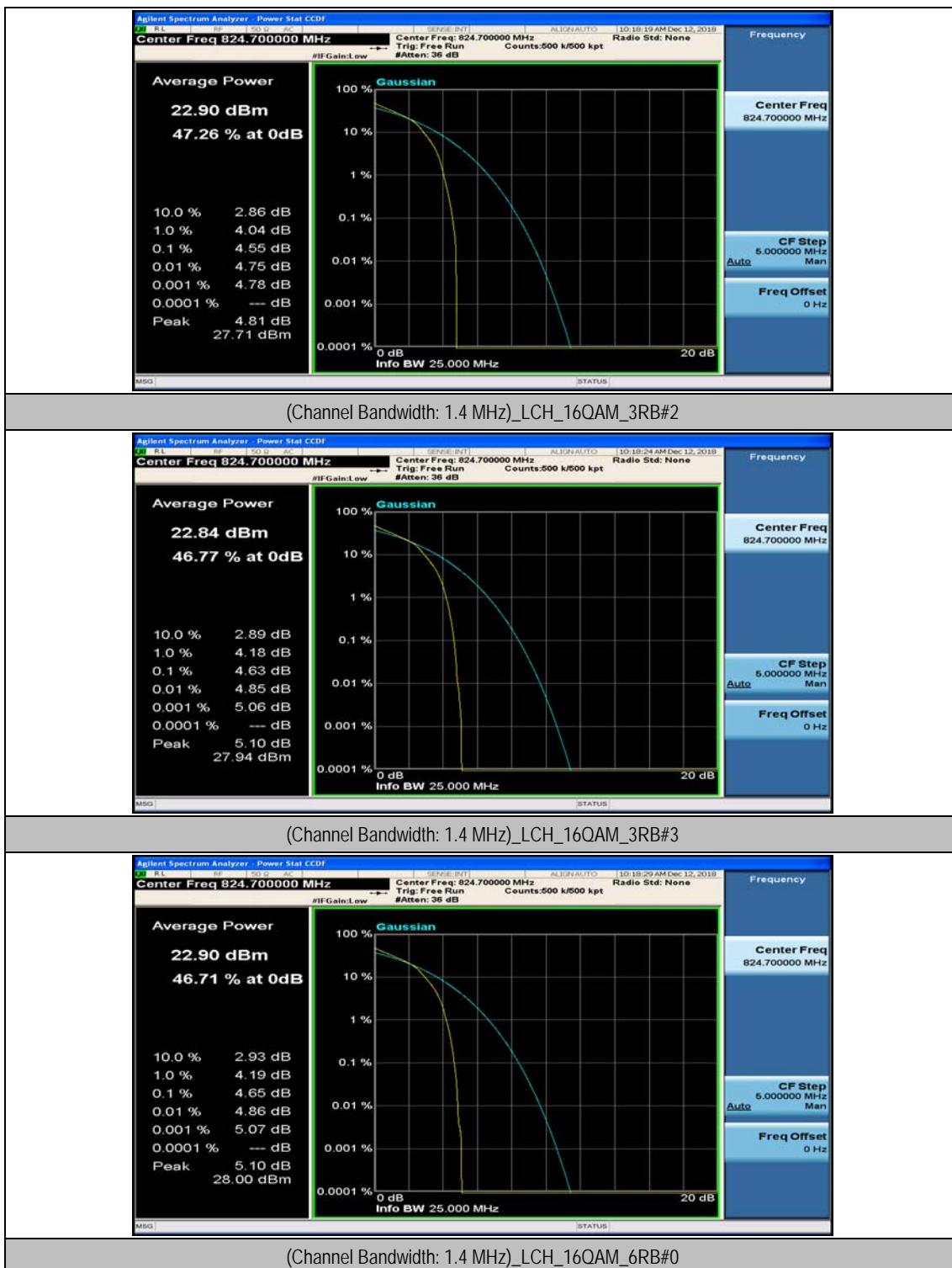


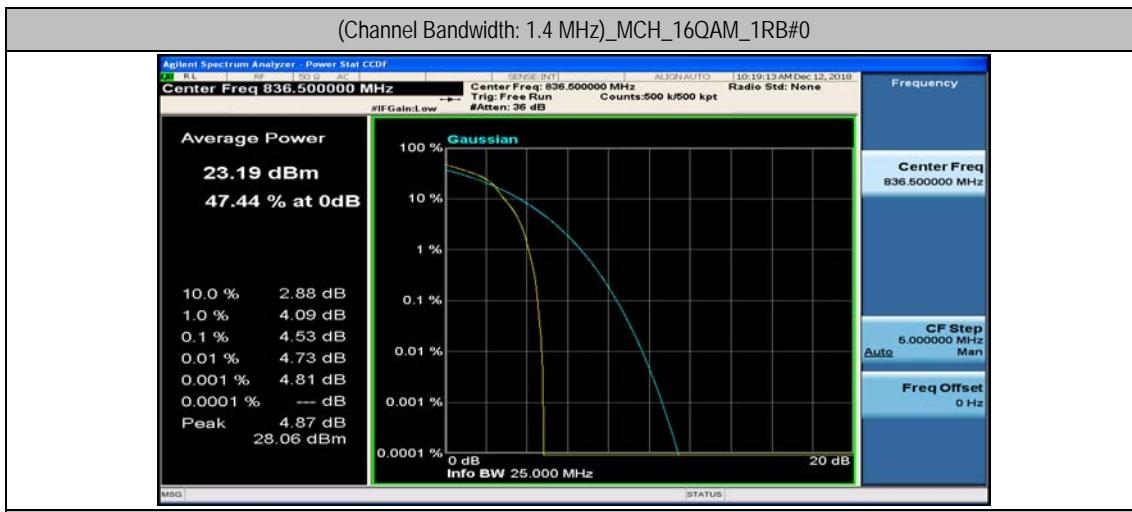
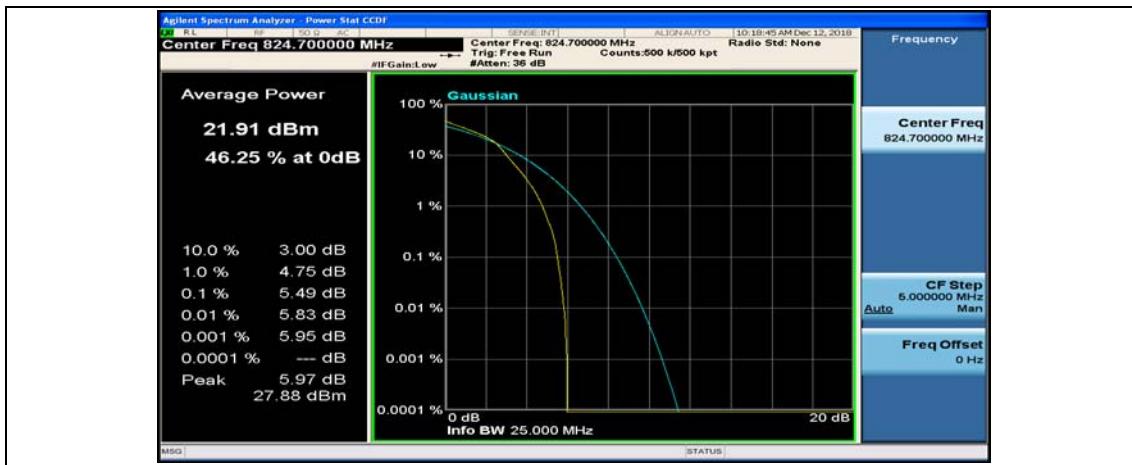


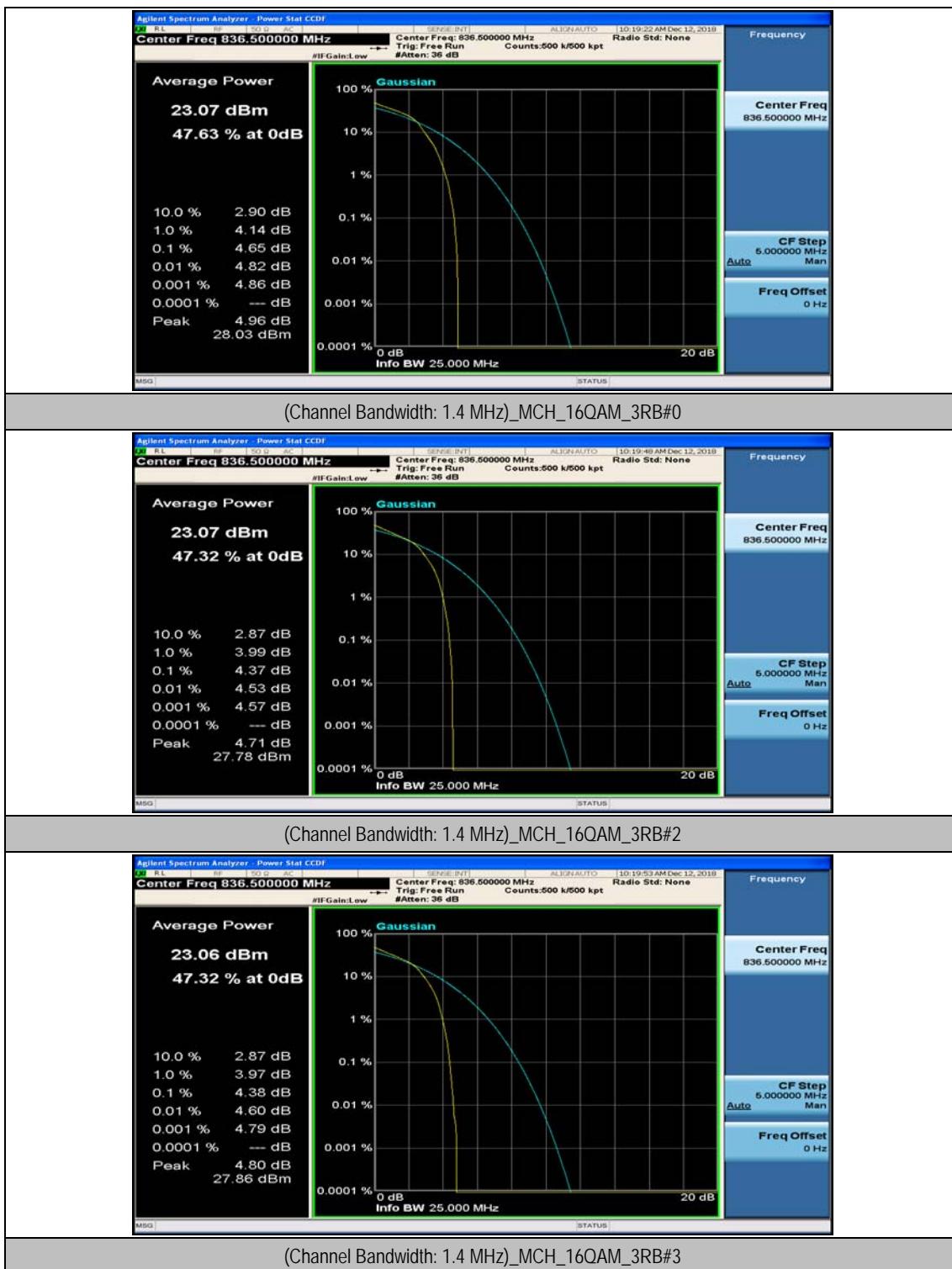


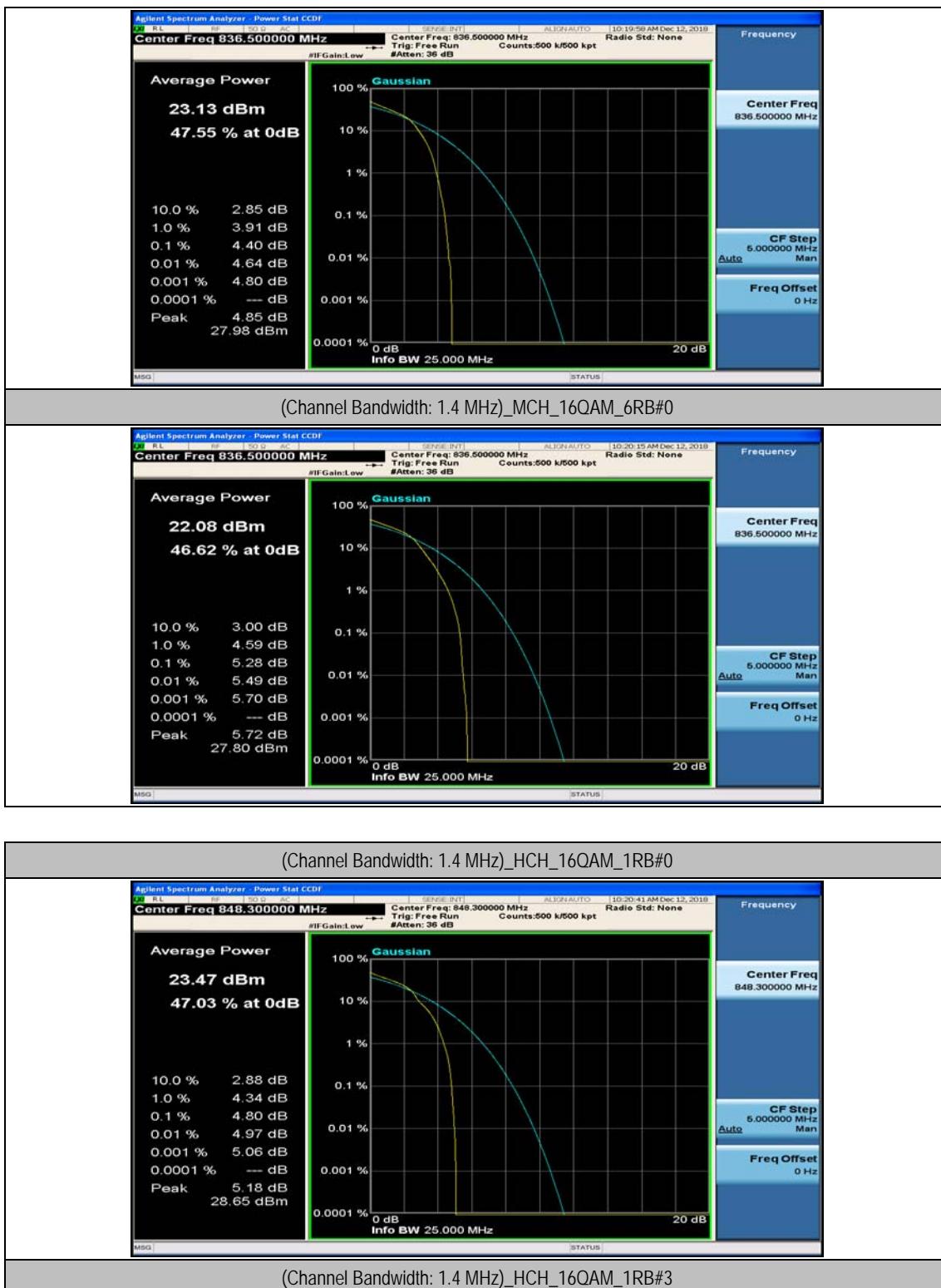


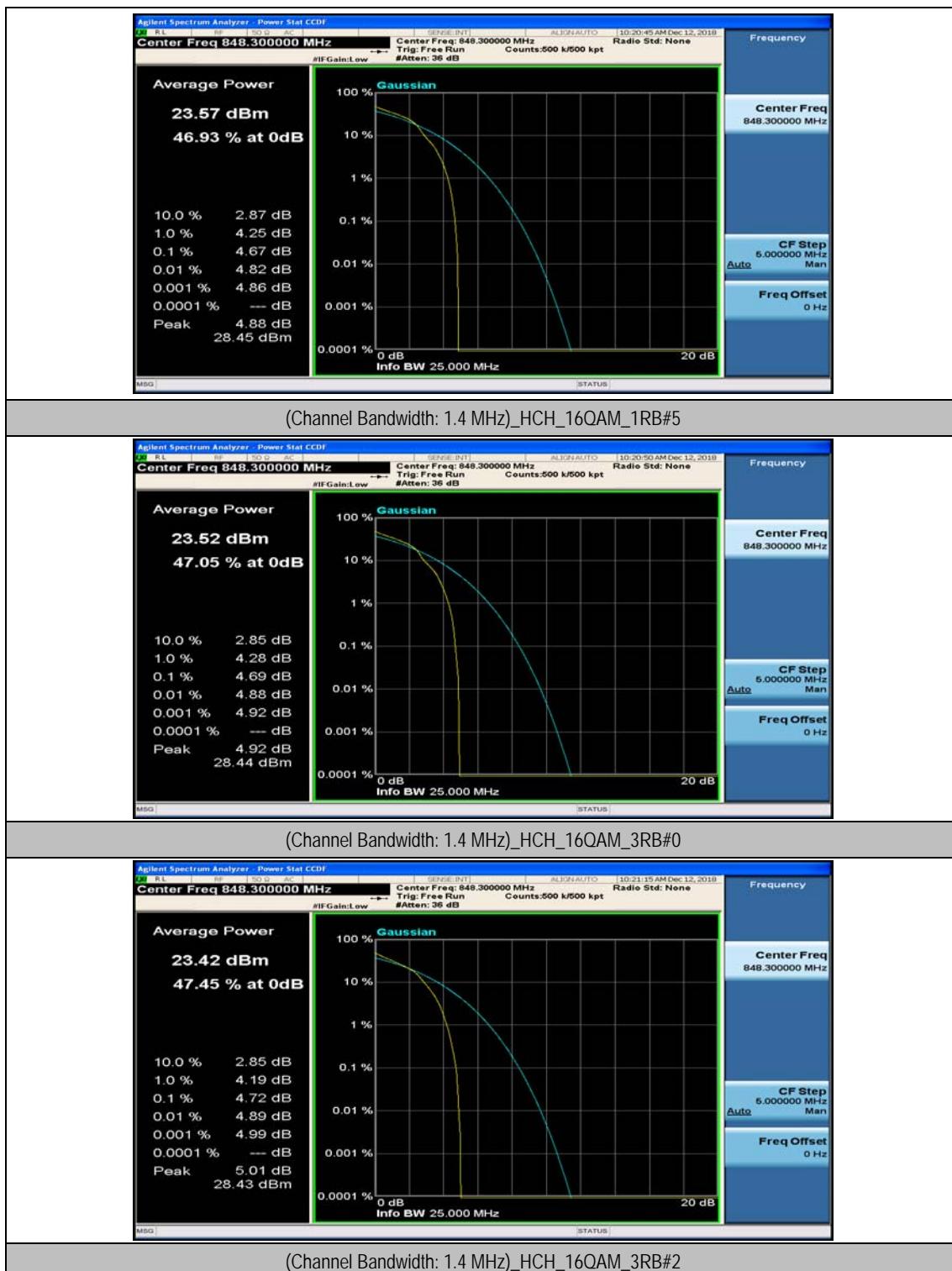


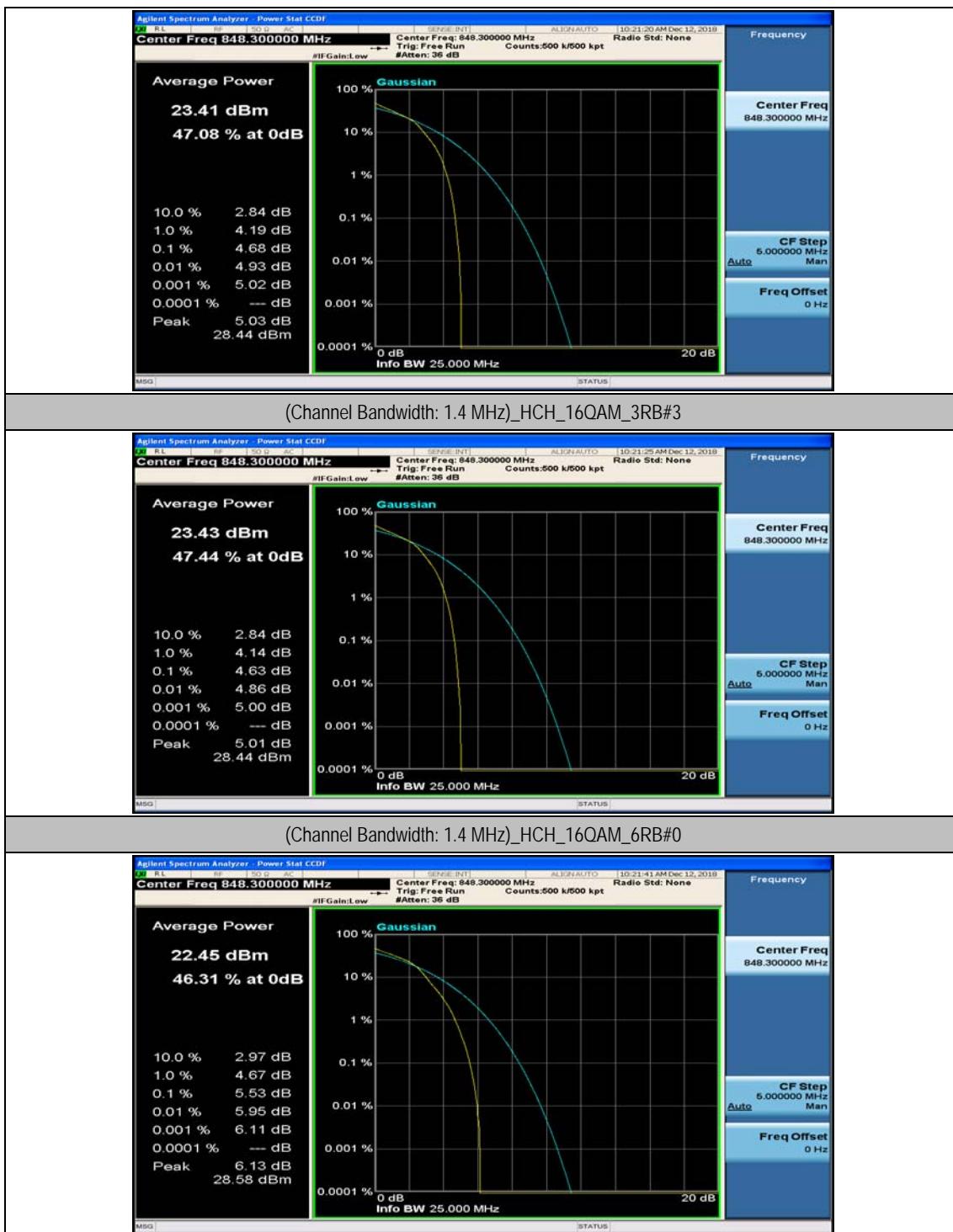




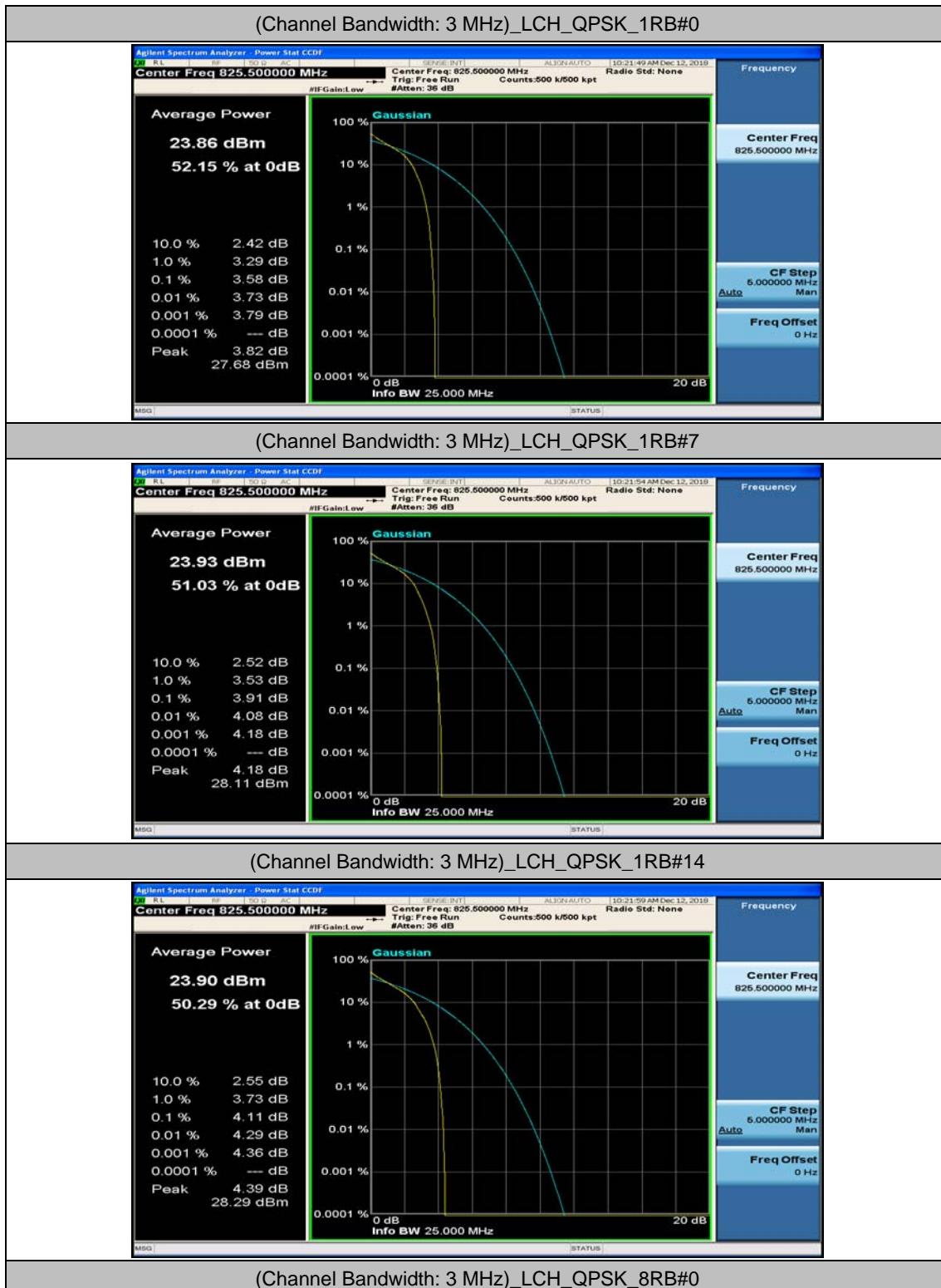


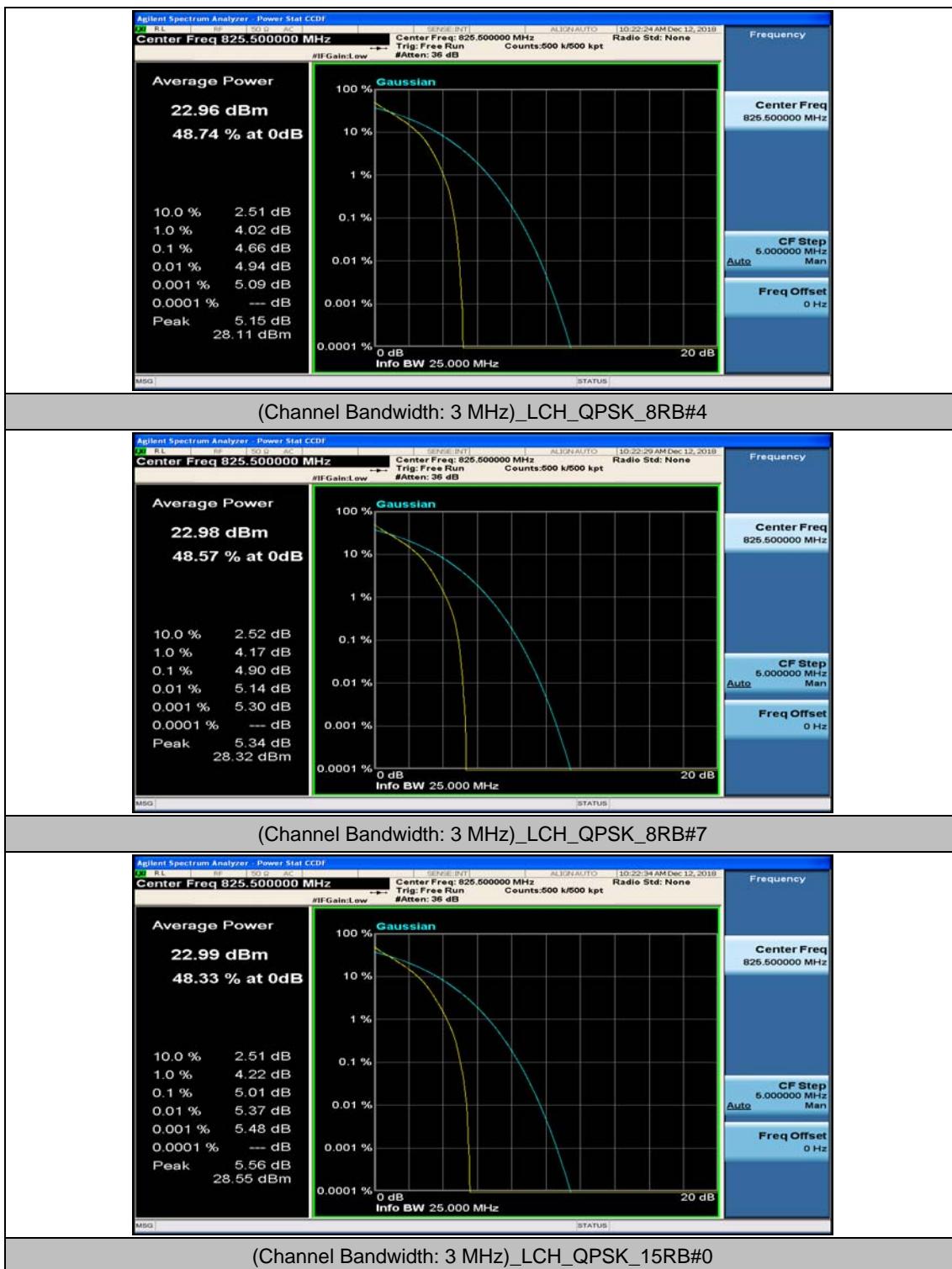


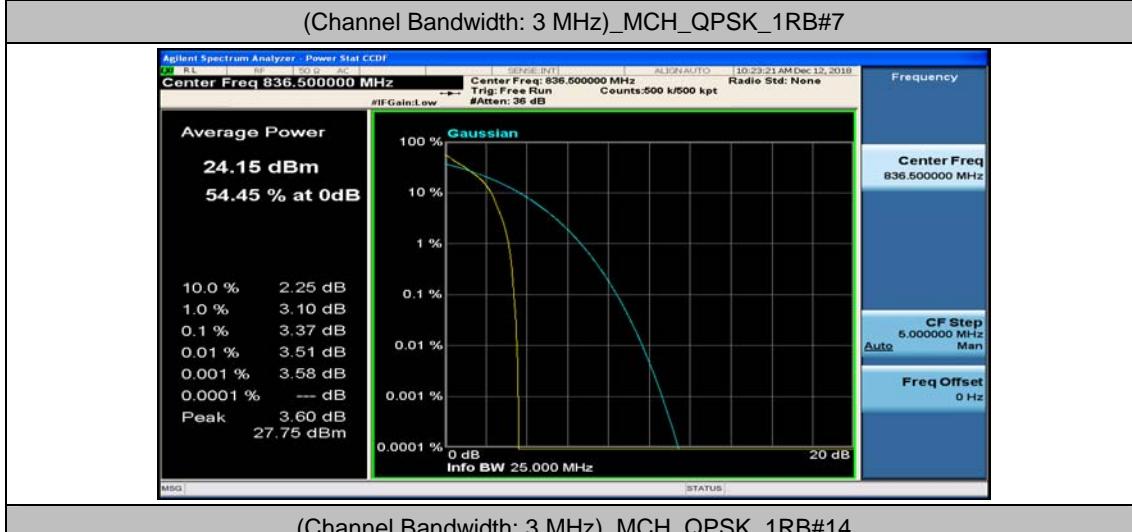
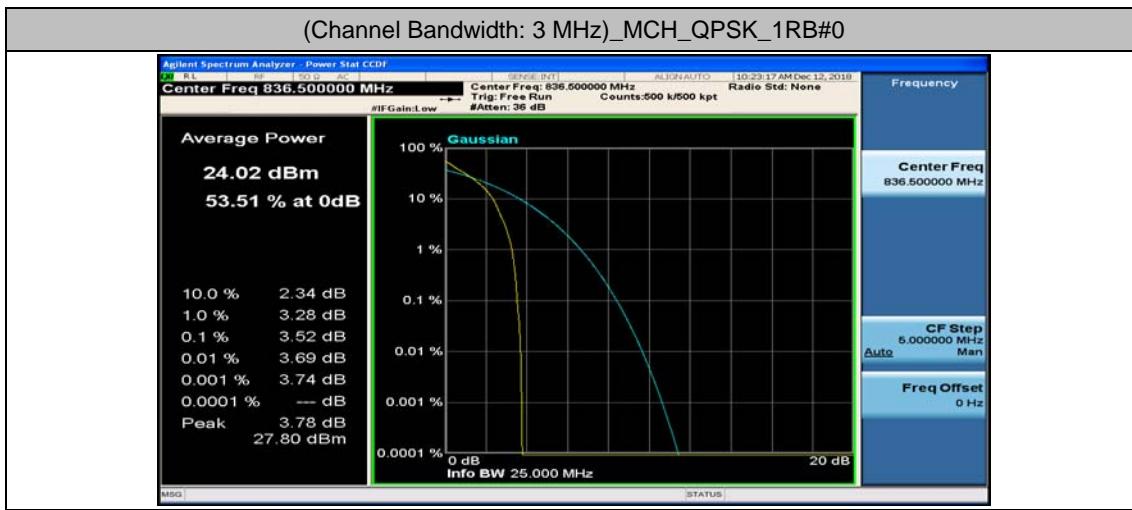
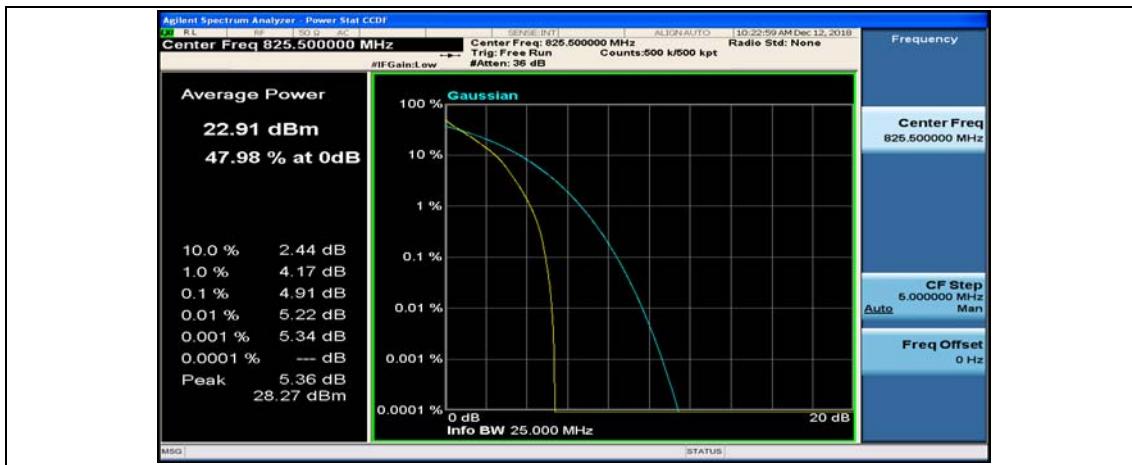




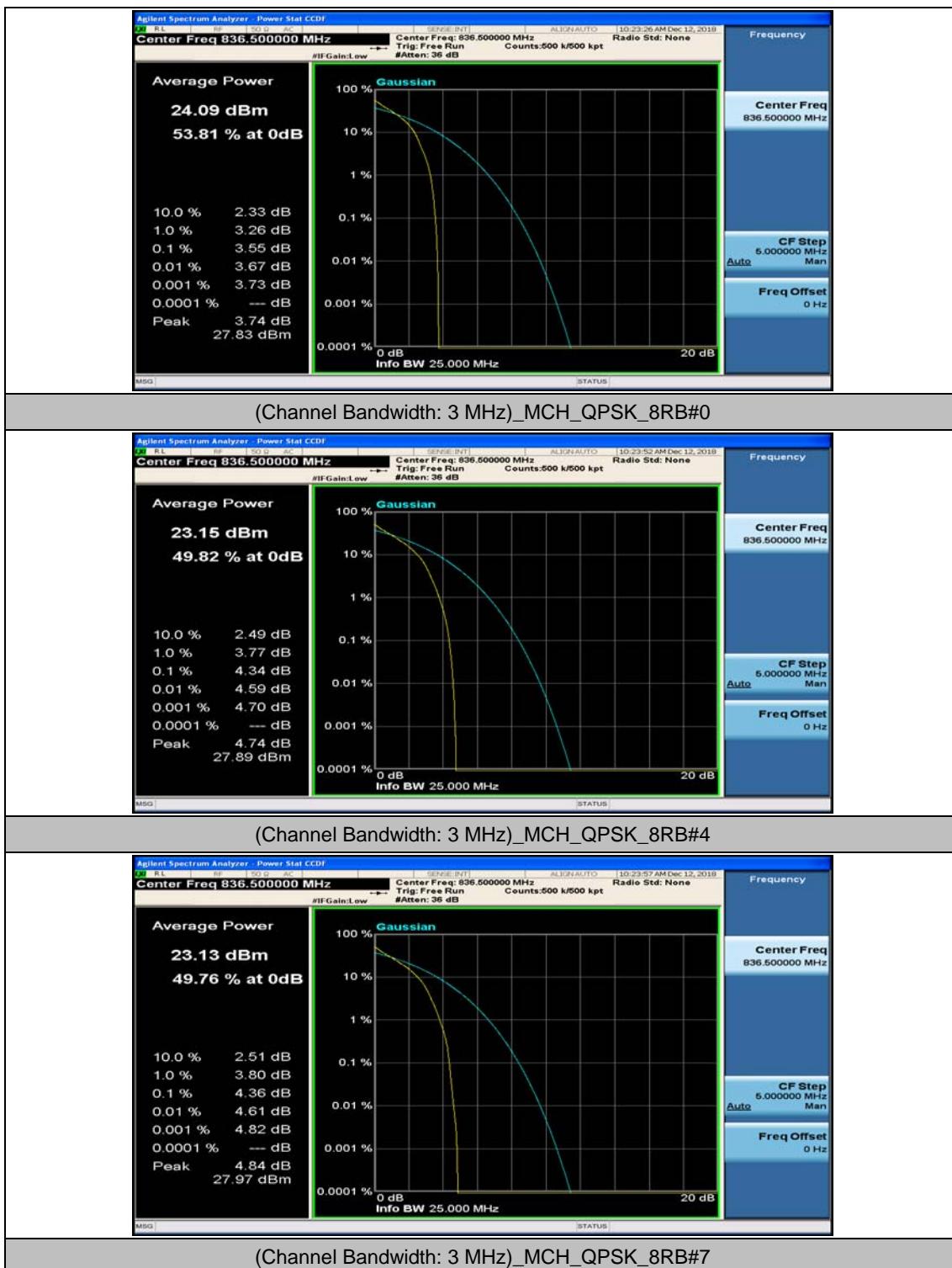
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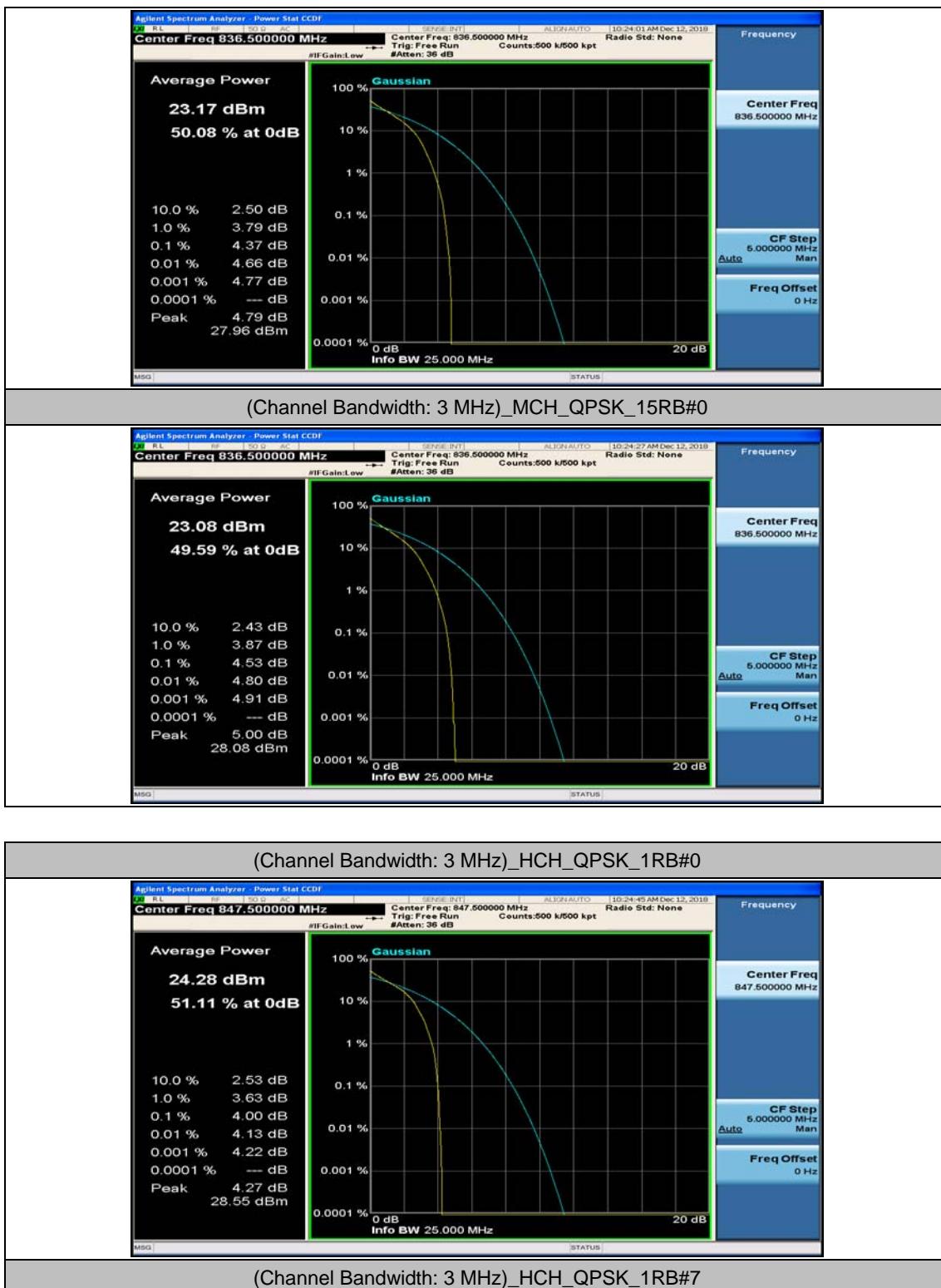


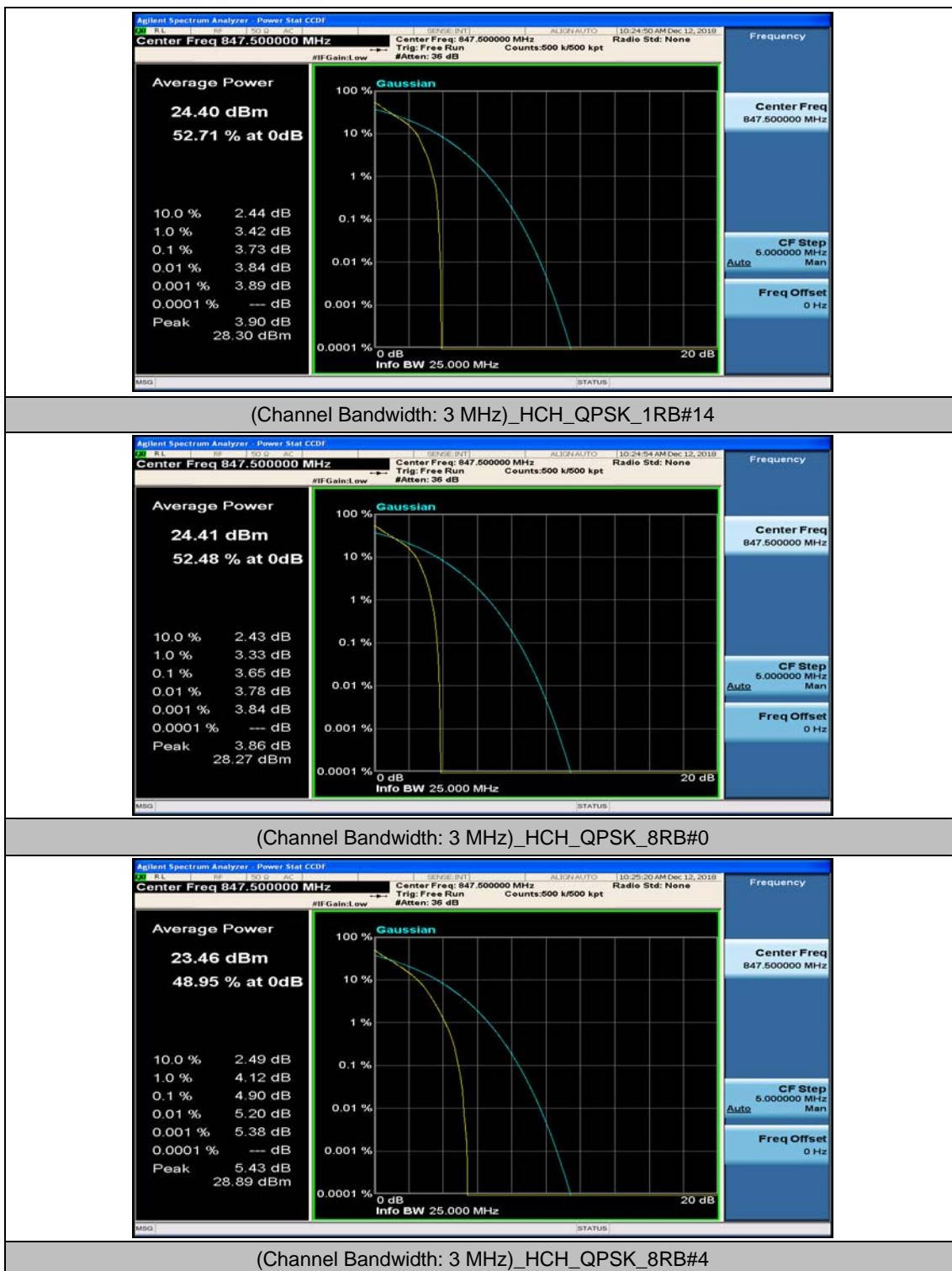


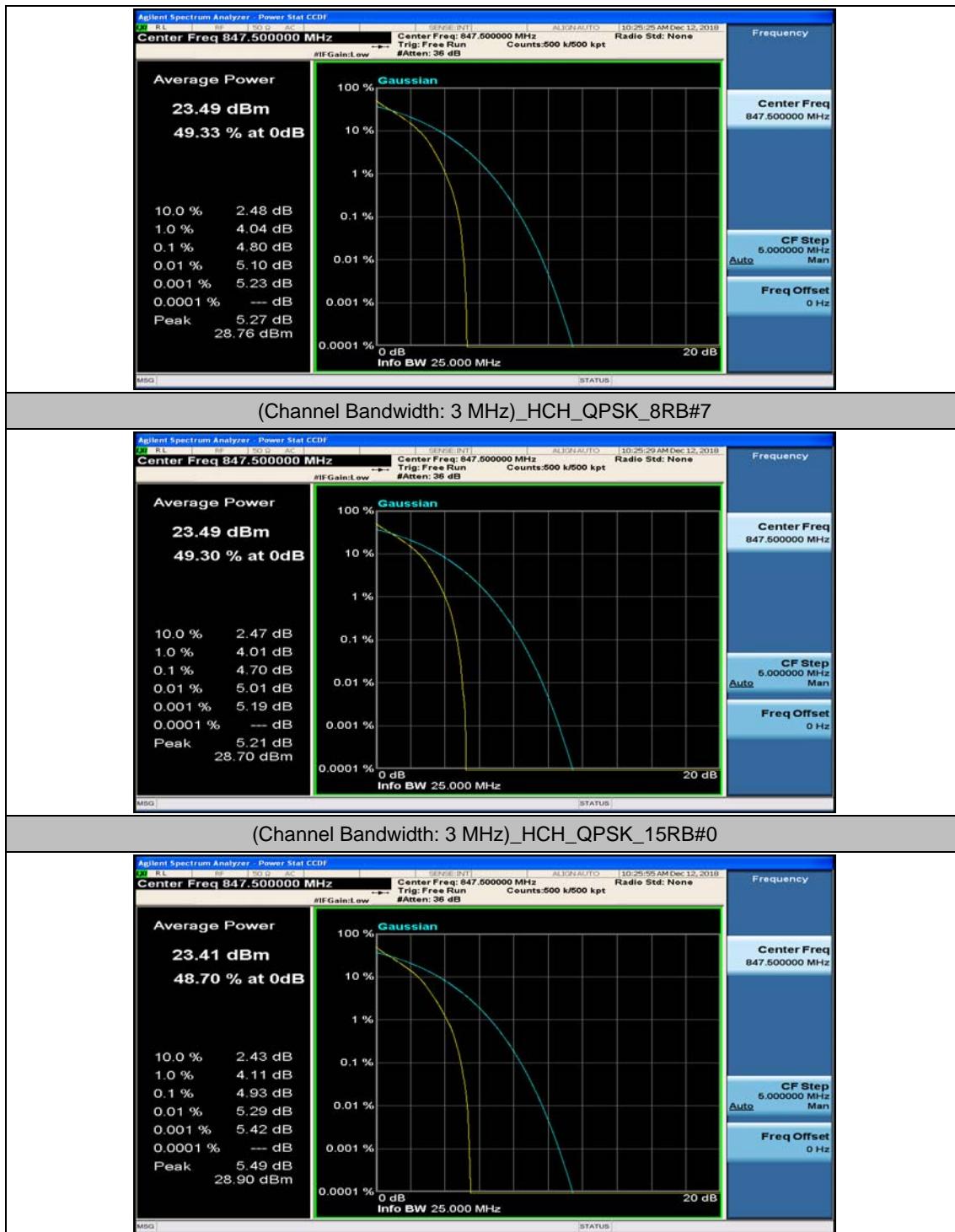


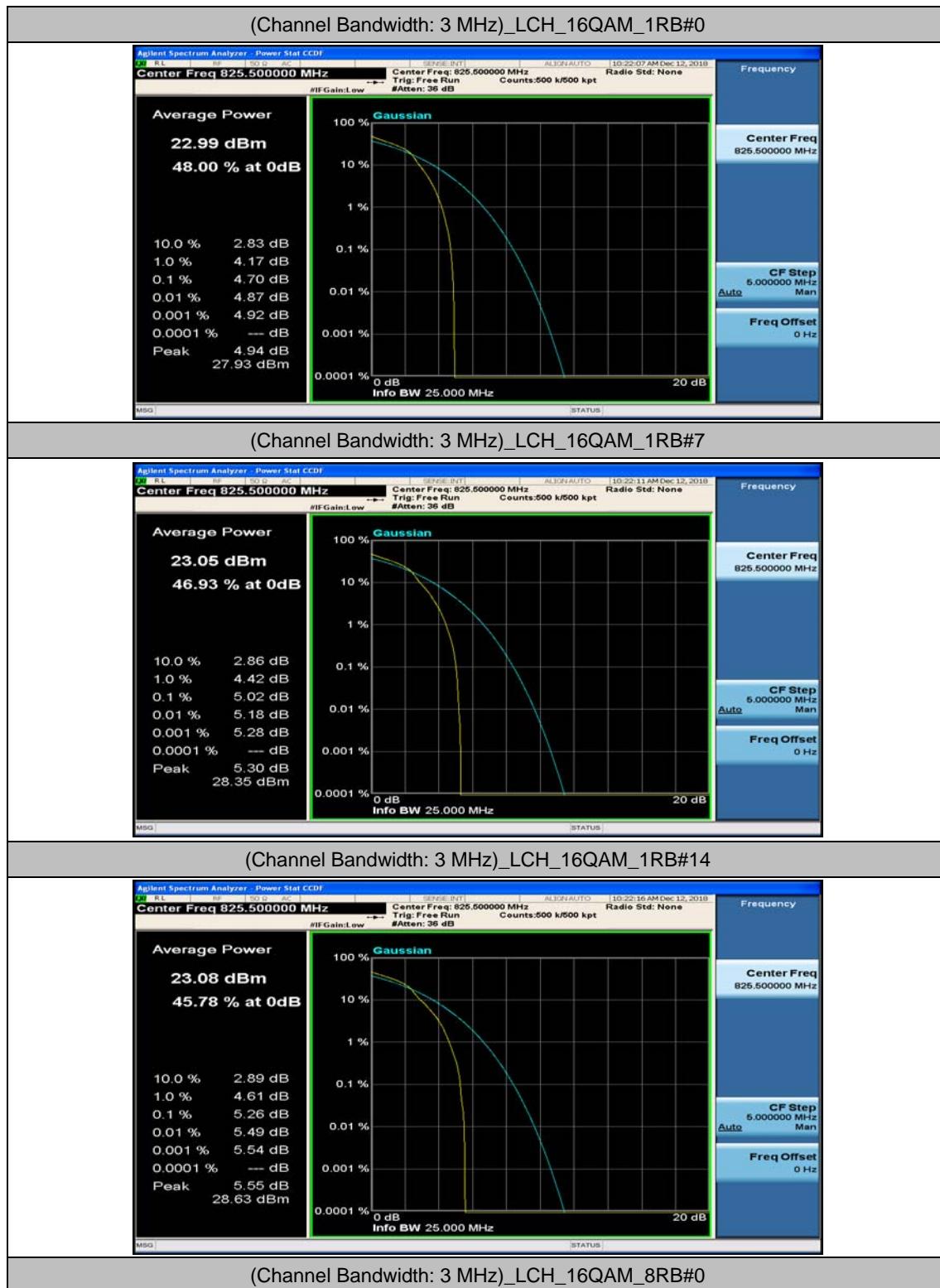
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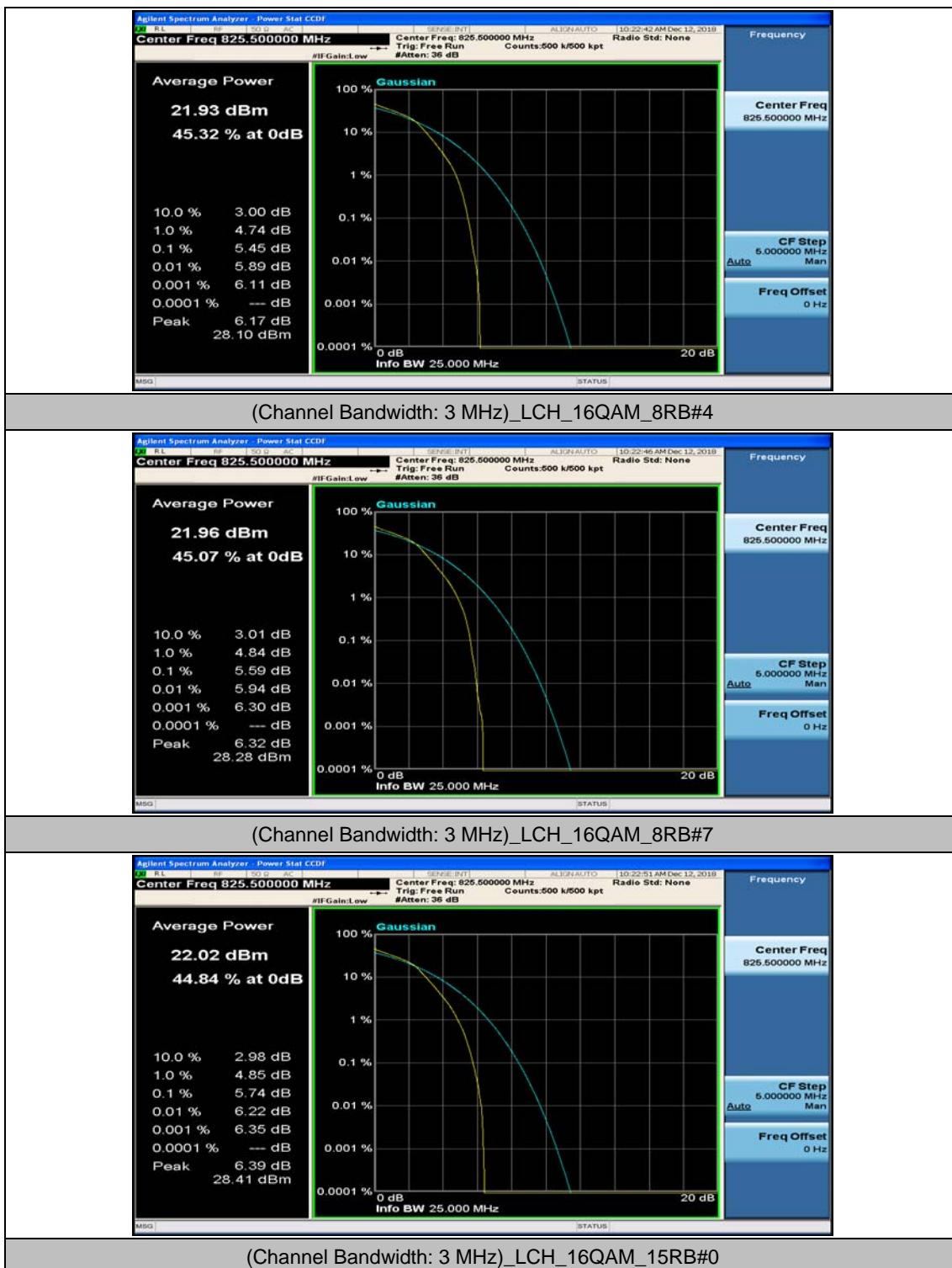


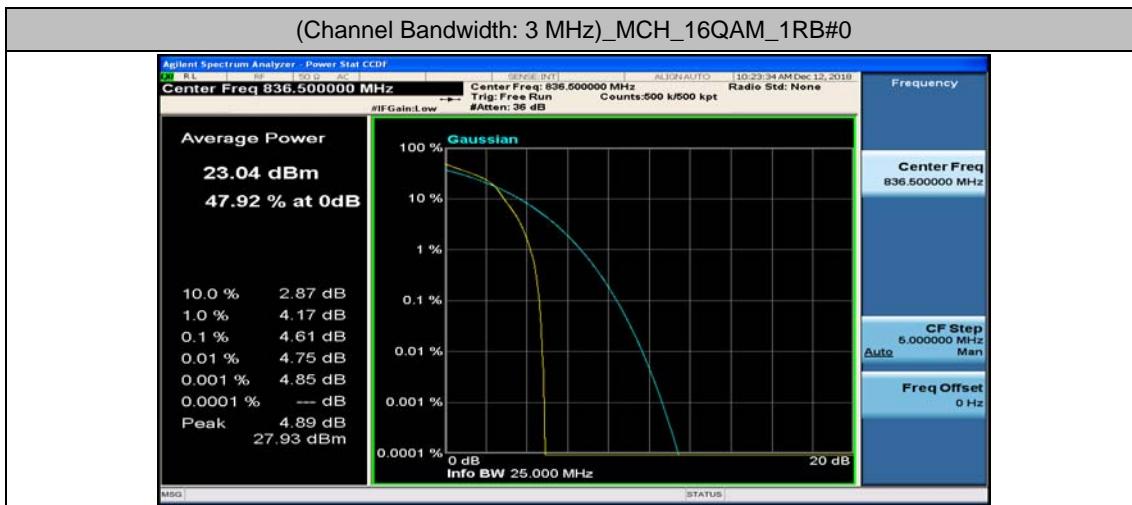
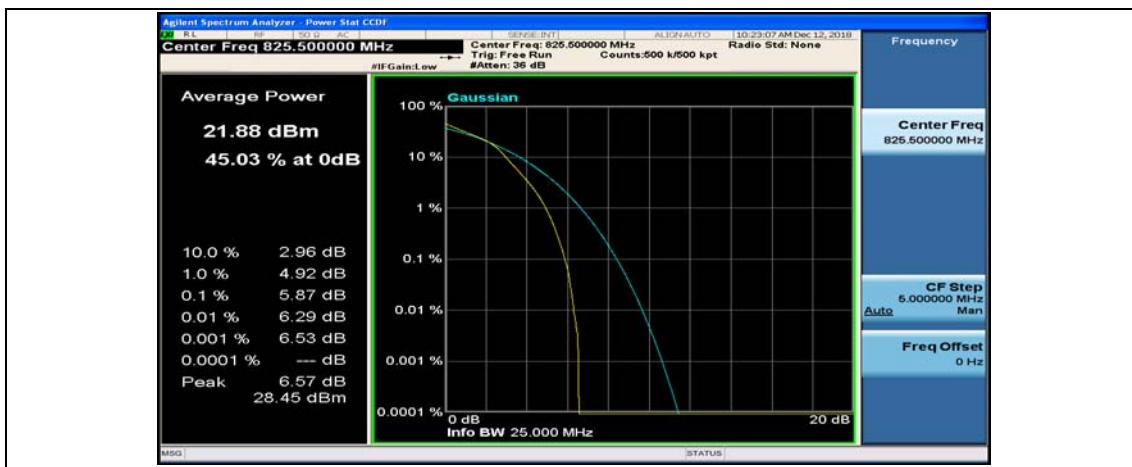




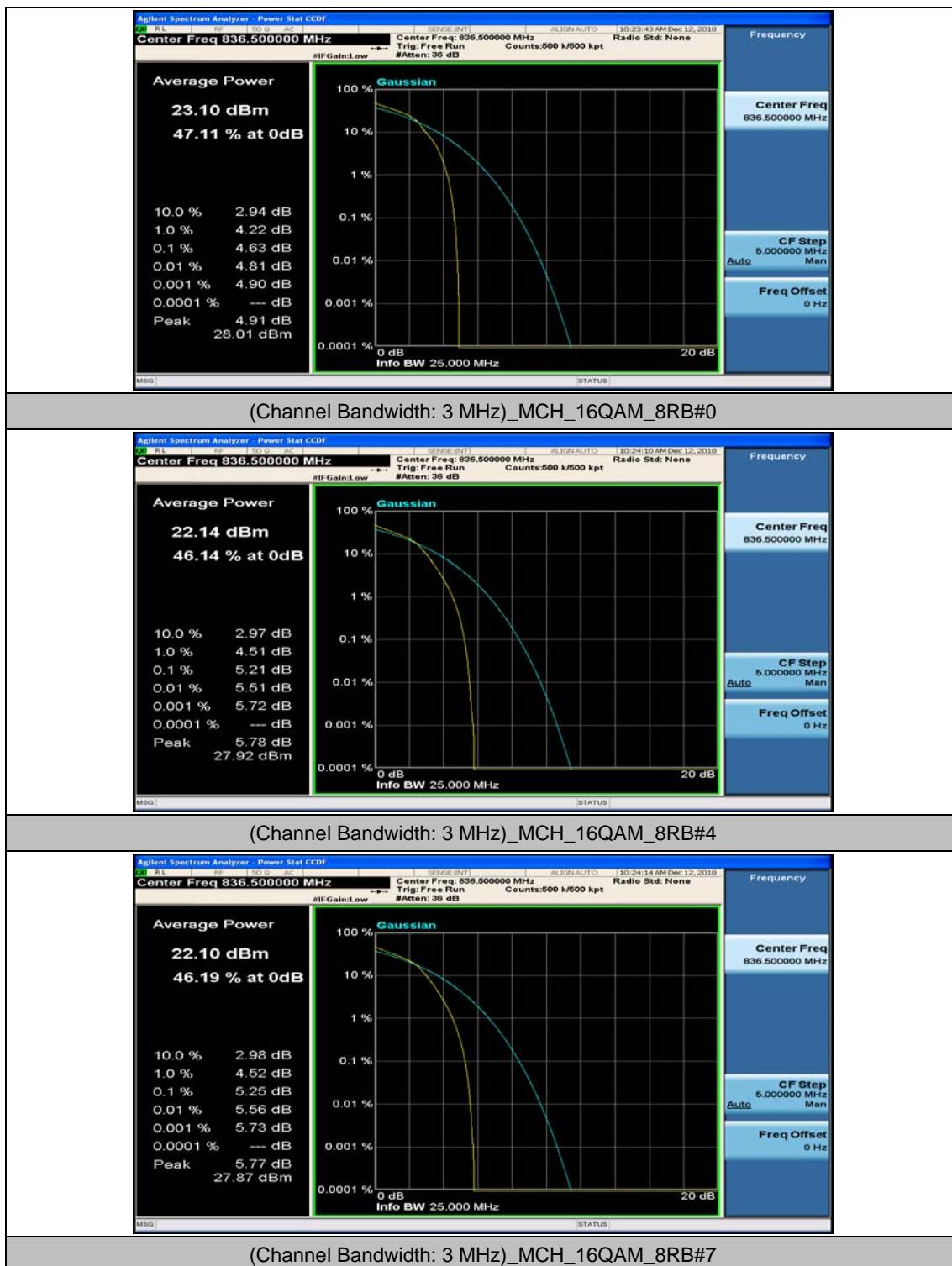


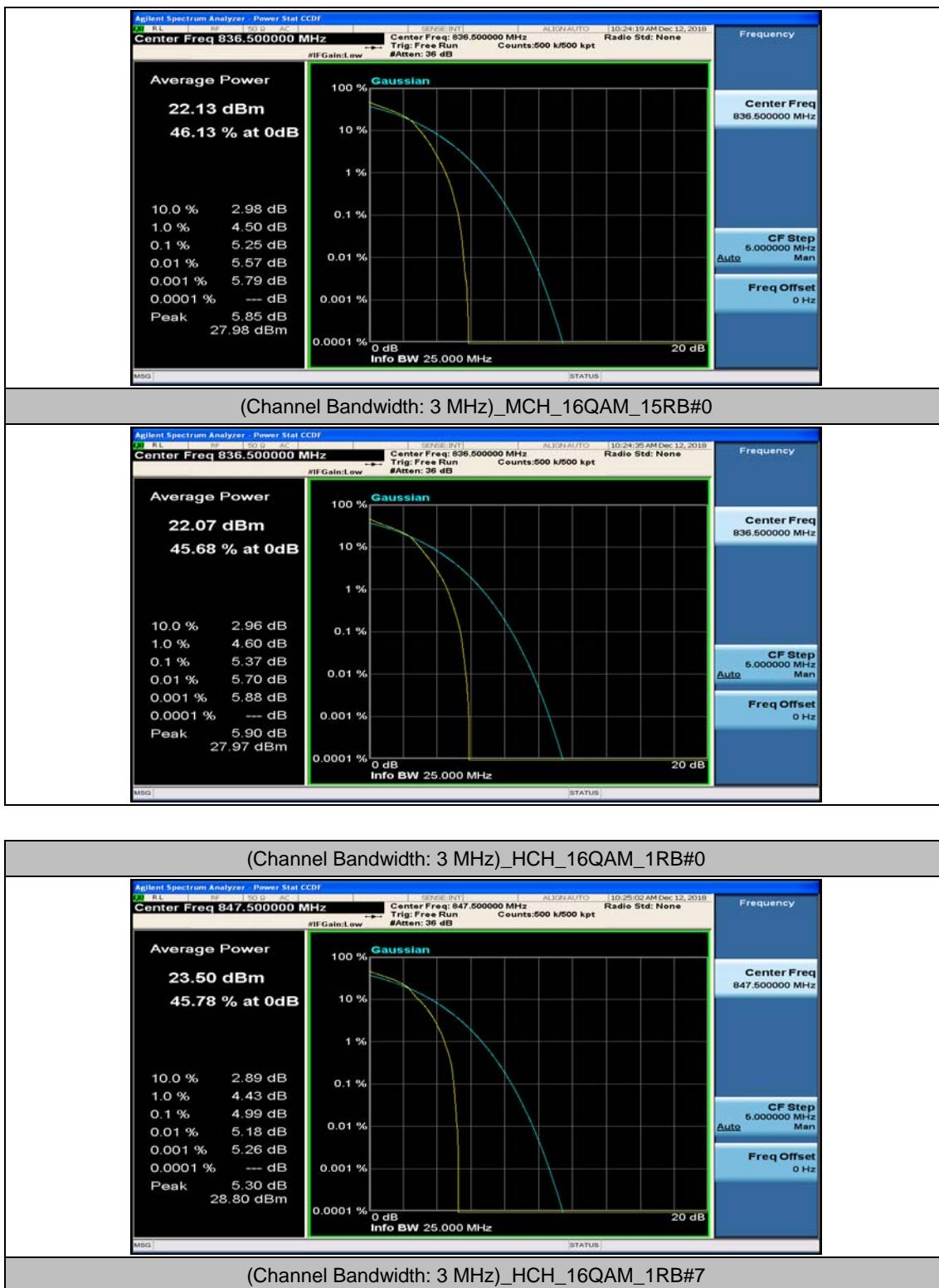


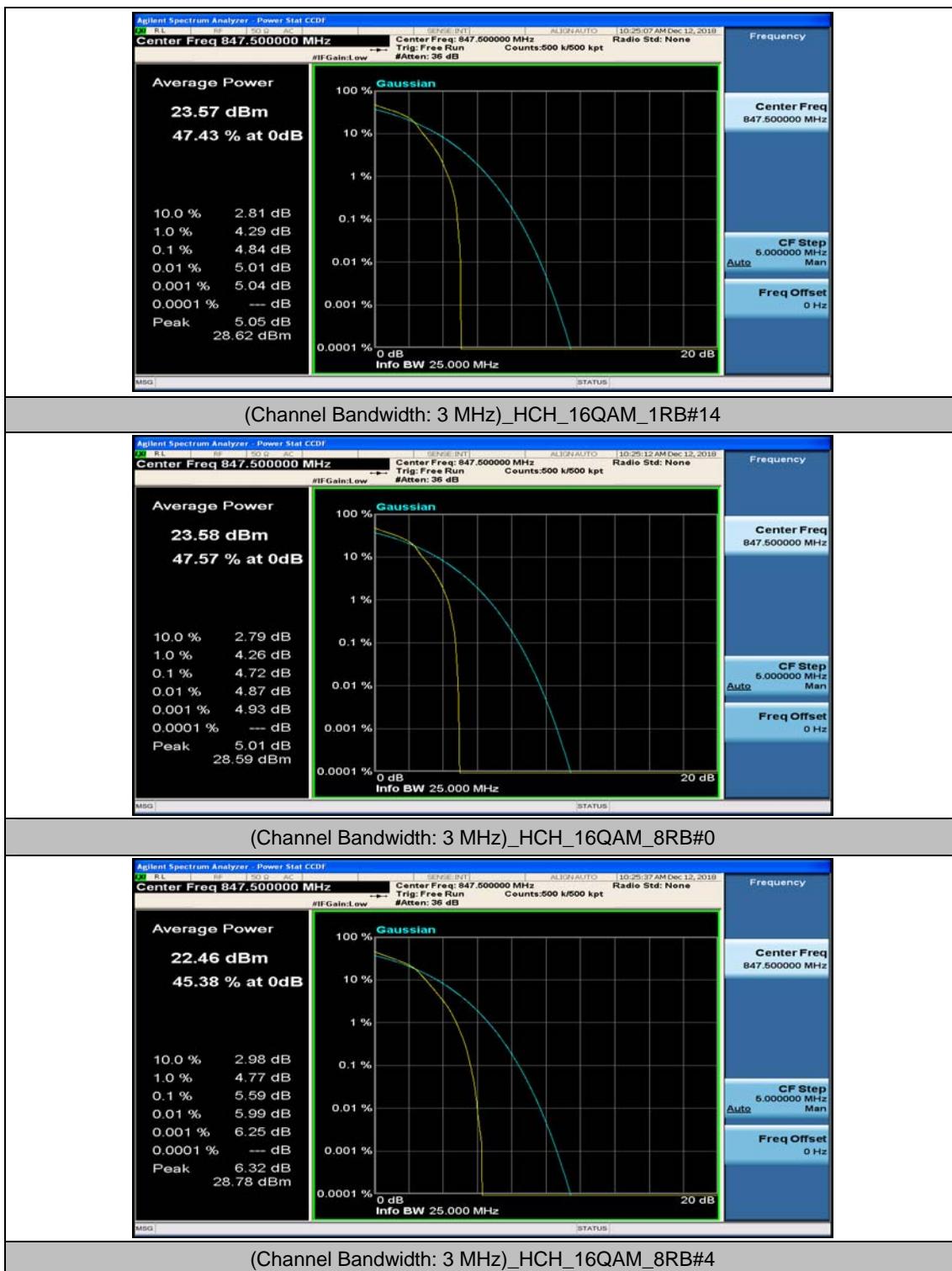


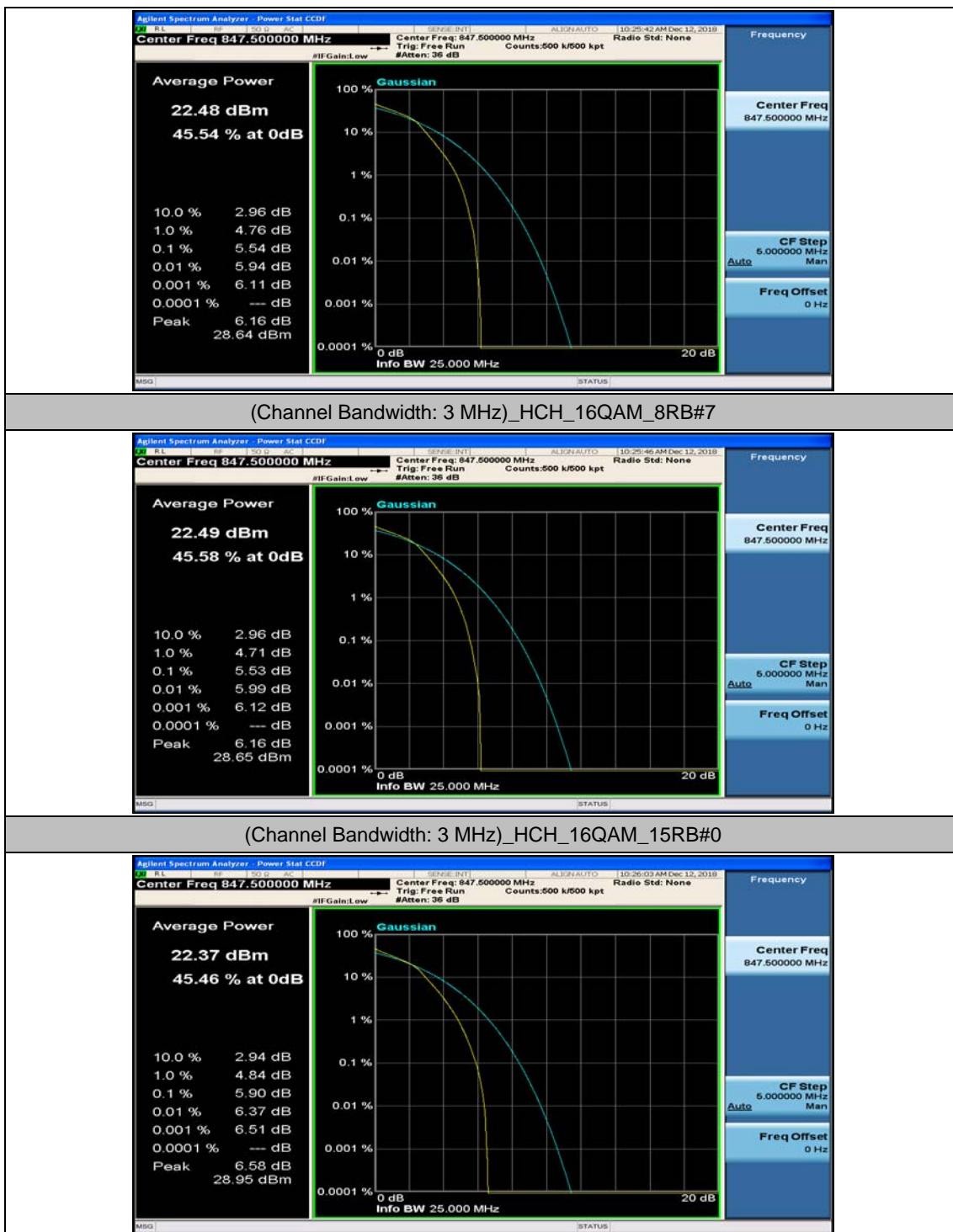


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

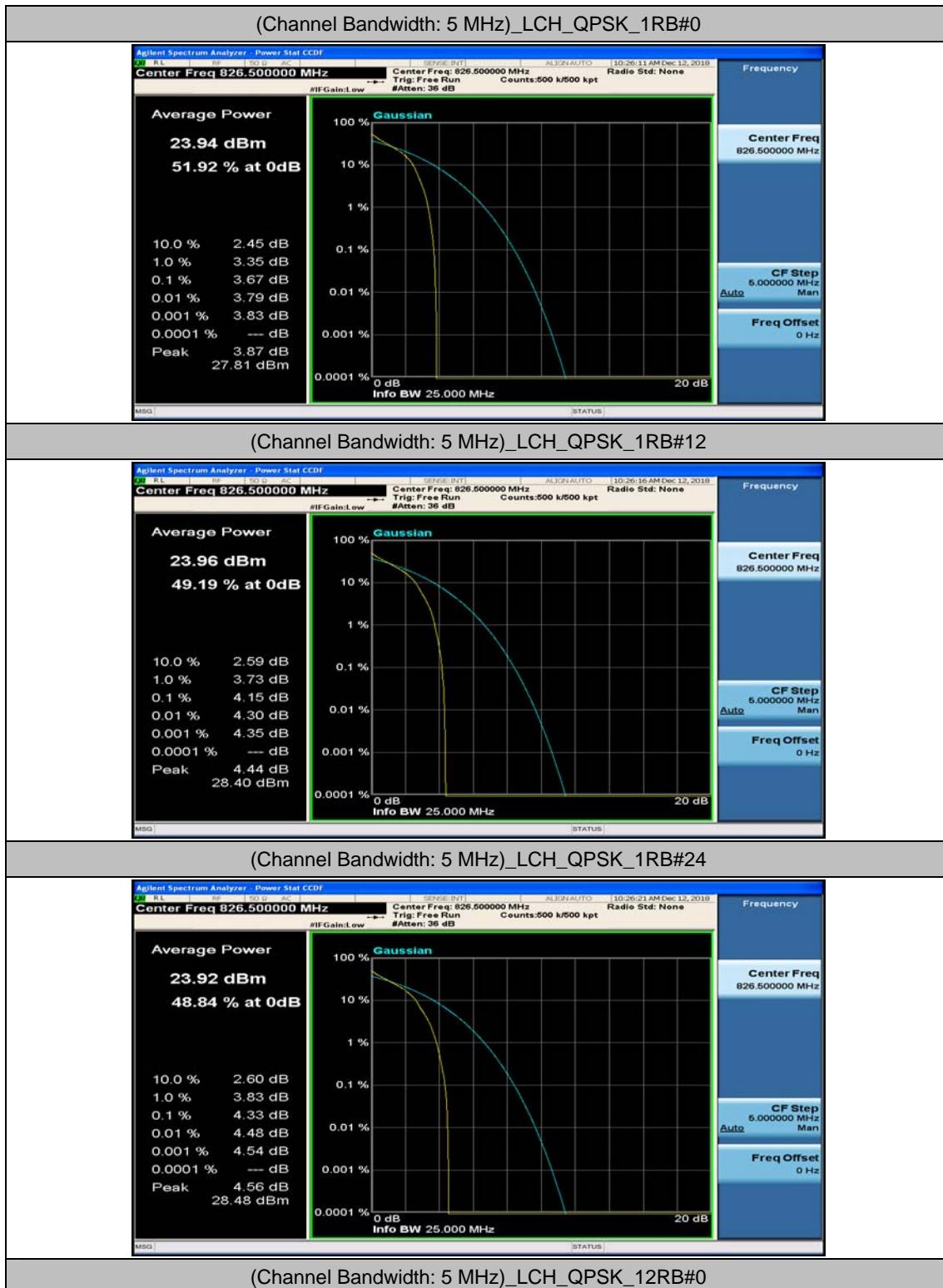


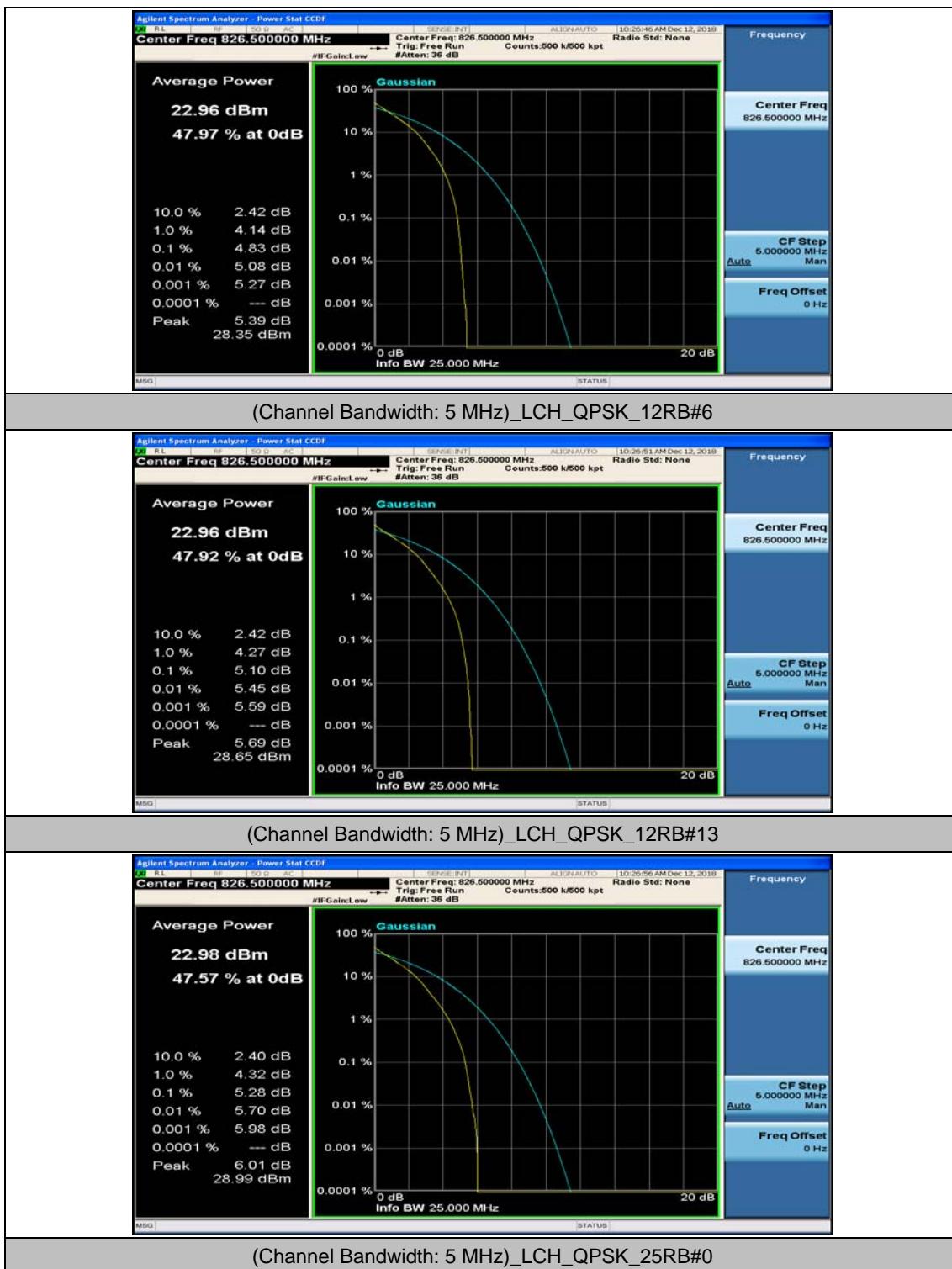


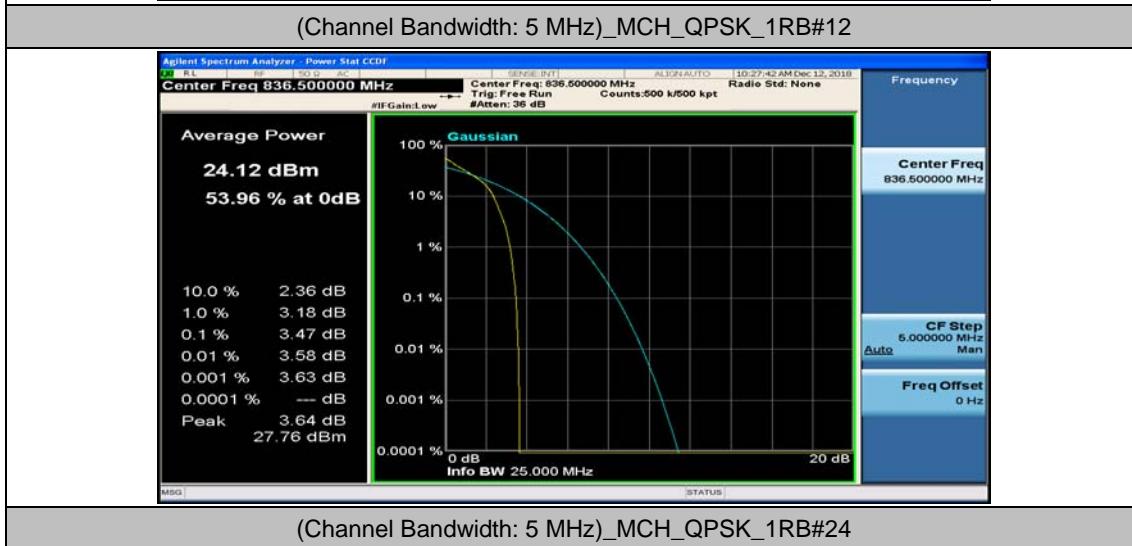
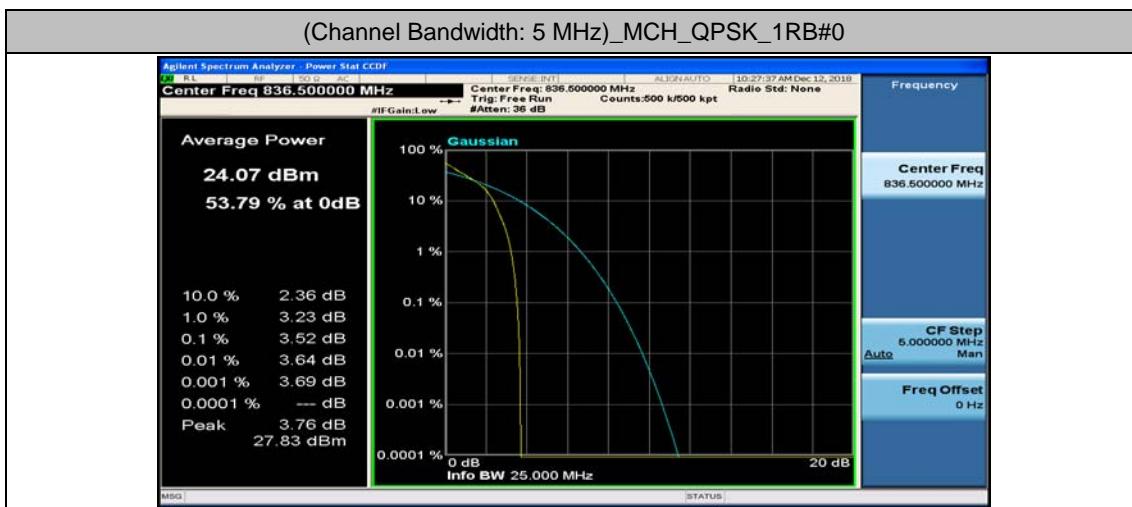
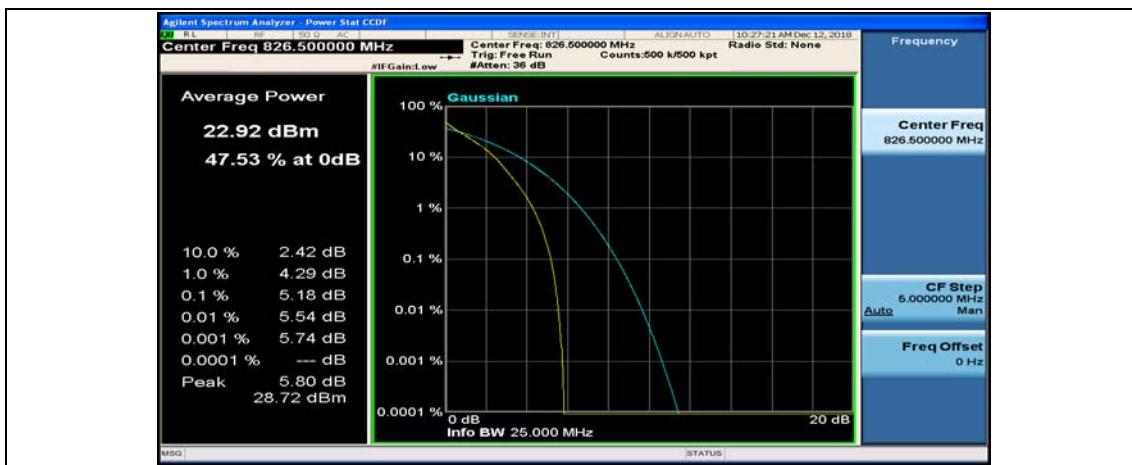




## Channel Bandwidth: 5 MHz







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

