

## Appendix for Band 7

### Appendix A: Average Power Output Data

#### Test Result

##### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.10	PASS
		1	12	23.53	PASS
		1	24	23.16	PASS
		12	0	22.69	PASS
		12	6	22.43	PASS
		12	13	22.18	PASS
		25	0	22.41	PASS
	MCH	1	0	22.88	PASS
		1	12	22.87	PASS
		1	24	22.90	PASS
		12	0	21.78	PASS
		12	6	21.85	PASS
		12	13	21.81	PASS
		25	0	21.75	PASS
16QAM	HCH	1	0	23.61	PASS
		1	12	23.71	PASS
		1	24	23.77	PASS
		12	0	22.54	PASS
		12	6	22.51	PASS
		12	13	22.50	PASS
		25	0	22.45	PASS
	LCH	1	0	23.24	PASS
		1	12	23.22	PASS
		1	24	23.06	PASS
		12	0	21.99	PASS
		12	6	21.97	PASS
		12	13	21.93	PASS
		25	0	21.79	PASS
	MCH	1	0	22.16	PASS
		1	12	22.27	PASS
		1	24	22.16	PASS
		12	0	21.00	PASS
		12	6	21.06	PASS

		12	13	21.10	PASS
		25	0	20.91	PASS
HCH	HCH	1	0	22.41	PASS
		1	12	22.50	PASS
		1	24	22.40	PASS
		12	0	21.56	PASS
		12	6	21.55	PASS
		12	13	21.51	PASS
		25	0	21.46	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.85	PASS
		1	24	23.71	PASS
		1	49	23.41	PASS
		25	0	22.85	PASS
		25	12	22.71	PASS
		25	25	22.58	PASS
		50	0	22.67	PASS
	MCH	1	0	22.85	PASS
		1	24	22.87	PASS
		1	49	22.93	PASS
		25	0	21.79	PASS
		25	12	21.80	PASS
		25	25	21.87	PASS
		50	0	21.82	PASS
	HCH	1	0	23.37	PASS
		1	24	23.55	PASS
		1	49	23.33	PASS
		25	0	22.42	PASS
		25	12	22.47	PASS
		25	25	22.51	PASS
		50	0	22.53	PASS
16QAM	LCH	1	0	23.05	PASS
		1	24	22.91	PASS
		1	49	22.62	PASS
		25	0	21.87	PASS
		25	12	21.73	PASS
		25	25	21.60	PASS
		50	0	21.70	PASS
	MCH	1	0	22.02	PASS

		1	24	22.04	PASS
		1	49	22.08	PASS
		25	0	20.92	PASS
		25	12	20.92	PASS
		25	25	20.90	PASS
		50	0	20.90	PASS
	HCH	1	0	22.58	PASS
		1	24	22.69	PASS
		1	49	22.70	PASS
		25	0	21.45	PASS
		25	12	21.52	PASS
		25	25	21.51	PASS
		50	0	21.57	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.03	PASS
		1	37	23.68	PASS
		1	74	23.20	PASS
		37	0	22.86	PASS
		37	18	22.68	PASS
		37	38	22.48	PASS
		75	0	22.66	PASS
	MCH	1	0	22.86	PASS
		1	37	22.85	PASS
		1	74	22.95	PASS
		37	0	21.91	PASS
		37	18	21.83	PASS
		37	38	21.86	PASS
		75	0	21.91	PASS
	HCH	1	0	23.46	PASS
		1	37	23.65	PASS
		1	74	23.49	PASS
		37	0	22.66	PASS
		37	18	22.75	PASS
		37	38	22.77	PASS
		75	0	22.65	PASS
16QAM	LCH	1	0	23.11	PASS
		1	37	22.82	PASS
		1	74	22.30	PASS
		37	0	21.81	PASS

		37	18	21.61	PASS
		37	38	21.42	PASS
		75	0	21.63	PASS
MCH		1	0	21.95	PASS
		1	37	22.08	PASS
		1	74	22.07	PASS
		37	0	20.86	PASS
		37	18	20.83	PASS
		37	38	20.85	PASS
		75	0	20.94	PASS
		1	0	22.46	PASS
HCH		1	37	22.76	PASS
		1	74	22.72	PASS
		37	0	21.47	PASS
		37	18	21.55	PASS
		37	38	21.69	PASS
		75	0	21.58	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.92	PASS
		1	49	23.91	PASS
		1	99	23.82	PASS
		50	0	22.88	PASS
		50	25	22.78	PASS
		50	50	22.71	PASS
		100	0	22.75	PASS
	MCH	1	0	23.05	PASS
		1	49	22.91	PASS
		1	99	23.19	PASS
		50	0	21.92	PASS
		50	25	21.88	PASS
		50	50	21.95	PASS
		100	0	21.85	PASS
	HCH	1	0	23.37	PASS
		1	49	23.60	PASS
		1	99	23.58	PASS
		50	0	22.29	PASS
		50	25	22.46	PASS
		50	50	22.55	PASS

		100	0	22.50	PASS
16QAM	LCH	1	0	23.26	PASS
		1	49	22.63	PASS
		1	99	22.19	PASS
		50	0	21.70	PASS
		50	25	21.41	PASS
		50	50	21.18	PASS
		100	0	21.44	PASS
	MCH	1	0	22.14	PASS
		1	49	22.03	PASS
		1	99	22.18	PASS
		50	0	20.90	PASS
		50	25	20.90	PASS
		50	50	21.08	PASS
		100	0	20.92	PASS
	HCH	1	0	22.44	PASS
		1	49	22.69	PASS
		1	99	22.89	PASS
		50	0	21.36	PASS
		50	25	21.54	PASS
		50	50	21.71	PASS
		100	0	21.53	PASS

## Appendix B: Peak-to-Average Ratio

### Test Result

#### 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	3.46	<13	PASS
		1	12	3.72	<13	PASS
		1	24	3.87	<13	PASS
		12	0	5.05	<13	PASS
		12	6	5.12	<13	PASS
		12	13	5.3	<13	PASS
		25	0	5.5	<13	PASS
	MCH	1	0	4.03	<13	PASS
		1	12	4.22	<13	PASS
		1	24	4.28	<13	PASS
		12	0	5.54	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.85	<13	PASS
16QAM	LCH	1	0	3.45	<13	PASS
		1	12	3.12	<13	PASS
		1	24	2.48	<13	PASS
		12	0	4.86	<13	PASS
		12	6	4.54	<13	PASS
		12	13	4.33	<13	PASS
		25	0	5.03	<13	PASS
	MCH	1	0	4.55	<13	PASS
		1	12	4.81	<13	PASS
		1	24	5.01	<13	PASS
		12	0	5.82	<13	PASS
		12	6	5.91	<13	PASS
		12	13	6.07	<13	PASS
		25	0	6.25	<13	PASS

		12	13	6.62	<13	PASS
		25	0	6.58	<13	PASS
HCH	1	0	4.72	<13	PASS	
	1	12	4.38	<13	PASS	
	1	24	3.86	<13	PASS	
	12	0	5.66	<13	PASS	
	12	6	5.46	<13	PASS	
	12	13	5.3	<13	PASS	
	25	0	5.86	<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	3.43	<13	PASS
		1	24	3.77	<13	PASS
		1	49	3.8	<13	PASS
		25	0	5.24	<13	PASS
		25	12	5.34	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.44	<13	PASS
	MCH	1	0	3.74	<13	PASS
		1	24	4.1	<13	PASS
		1	49	4.09	<13	PASS
		25	0	5.54	<13	PASS
		25	12	5.77	<13	PASS
		25	25	5.74	<13	PASS
		50	0	5.72	<13	PASS
	HCH	1	0	3.28	<13	PASS
		1	24	3.34	<13	PASS
		1	49	2.31	<13	PASS
		25	0	5.12	<13	PASS
		25	12	5.04	<13	PASS
		25	25	4.76	<13	PASS
		50	0	5.17	<13	PASS
16QAM	LCH	1	0	4.51	<13	PASS
		1	24	4.86	<13	PASS
		1	49	4.94	<13	PASS
		25	0	6.04	<13	PASS
		25	12	6.13	<13	PASS
		25	25	6.15	<13	PASS

		50	0	6.15	<13	PASS
MCH	1	0		4.85	<13	PASS
	1	24		5.29	<13	PASS
	1	49		5.37	<13	PASS
	25	0		6.3	<13	PASS
	25	12		6.47	<13	PASS
	25	25		6.5	<13	PASS
	50	0		6.47	<13	PASS
HCH	1	0		4.46	<13	PASS
	1	24		4.52	<13	PASS
	1	49		3.7	<13	PASS
	25	0		5.93	<13	PASS
	25	12		5.89	<13	PASS
	25	25		5.69	<13	PASS
	50	0		5.98	<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	9.77	<13	PASS
		1	37	3.78	<13	PASS
		1	74	9.74	<13	PASS
		37	0	4.79	<13	PASS
		37	18	5.36	<13	PASS
		37	38	4.71	<13	PASS
		75	0	4.91	<13	PASS
QPSK	MCH	1	0	9.82	<13	PASS
		1	37	4.08	<13	PASS
		1	74	9.19	<13	PASS
		37	0	4.95	<13	PASS
		37	18	5.68	<13	PASS
		37	38	5	<13	PASS
		75	0	5.1	<13	PASS
QPSK	HCH	1	0	10.19	<13	PASS
		1	37	3.32	<13	PASS
		1	74	10.1	<13	PASS
		37	0	4.76	<13	PASS
		37	18	4.97	<13	PASS
		37	38	4.67	<13	PASS
		75	0	5.03	<13	PASS

16QAM	LCH	1	0	9.99	<13	PASS
		1	37	4.9	<13	PASS
		1	74	9.47	<13	PASS
		37	0	6.03	<13	PASS
		37	18	6.17	<13	PASS
		37	38	5.94	<13	PASS
		75	0	6.19	<13	PASS
	MCH	1	0	9.56	<13	PASS
		1	37	5.22	<13	PASS
		1	74	9.15	<13	PASS
		37	0	6.18	<13	PASS
		37	18	6.51	<13	PASS
		37	38	6.28	<13	PASS
		75	0	6.44	<13	PASS
	HCH	1	0	9.11	<13	PASS
		1	37	4.53	<13	PASS
		1	74	9.96	<13	PASS
		37	0	5.99	<13	PASS
		37	18	5.91	<13	PASS
		37	38	5.99	<13	PASS
		75	0	6.32	<13	PASS

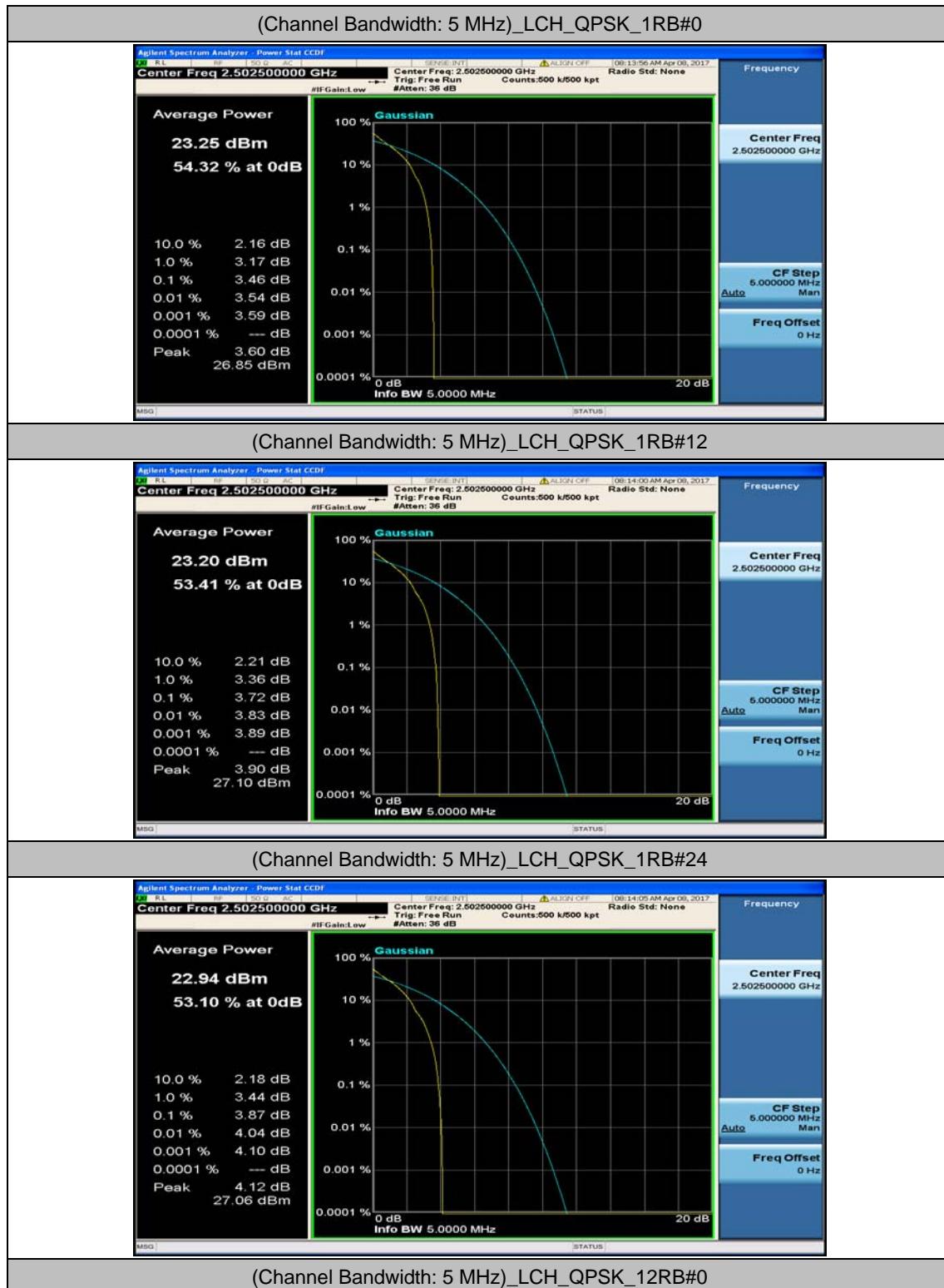
### Channel Bandwidth: 20 MHz

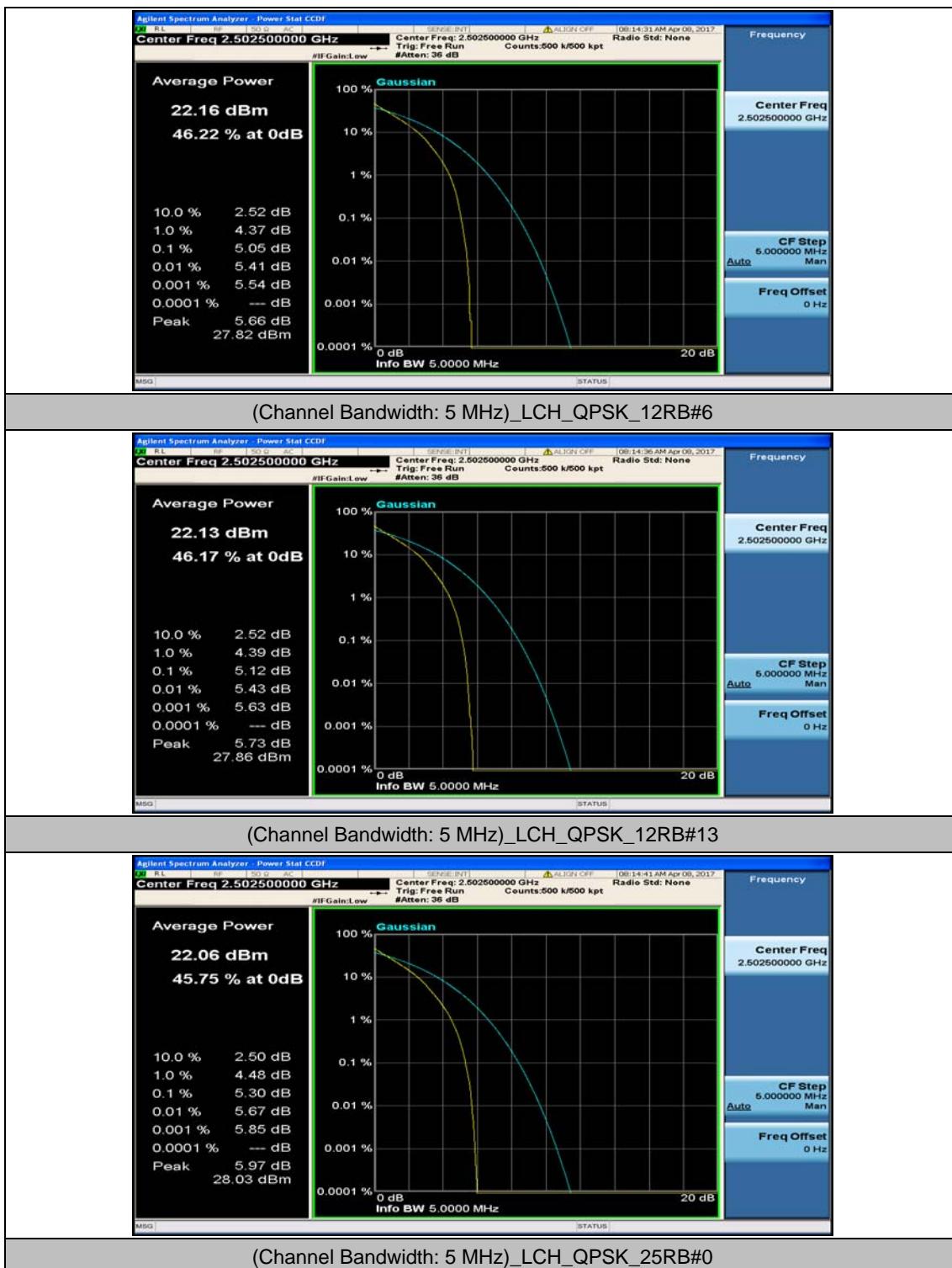
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.9	<13	PASS
		1	49	3.64	<13	PASS
		1	99	6.02	<13	PASS
		50	0	5.47	<13	PASS
		50	25	5.27	<13	PASS
		50	50	5.7	<13	PASS
		100	0	5.64	<13	PASS
	MCH	1	0	6.26	<13	PASS
		1	49	4.01	<13	PASS
		1	99	5.91	<13	PASS
		50	0	5.74	<13	PASS
		50	25	5.64	<13	PASS
		50	50	5.99	<13	PASS
		100	0	5.78	<13	PASS
	HCH	1	0	6.27	<13	PASS

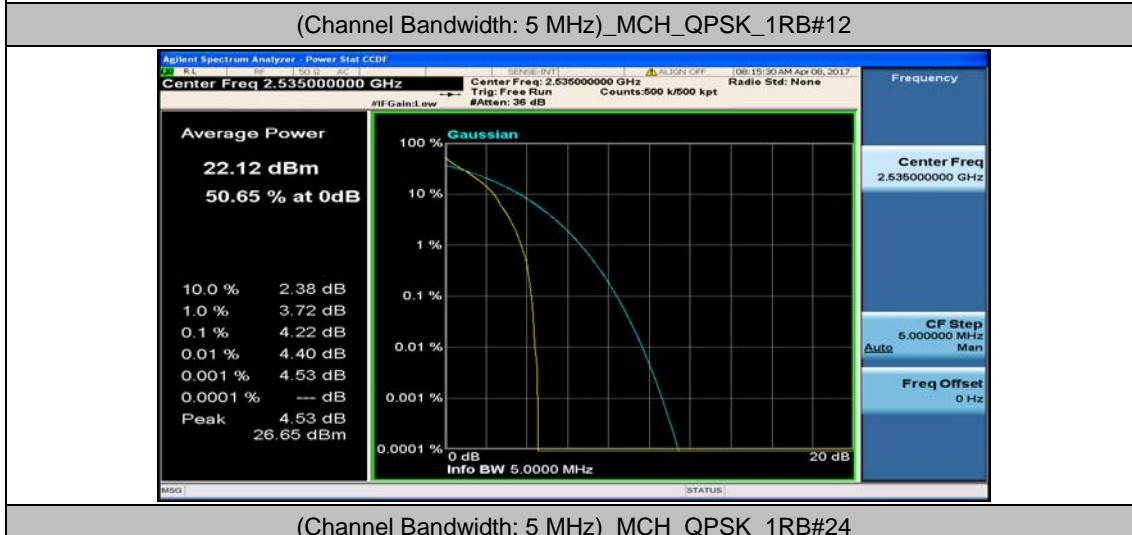
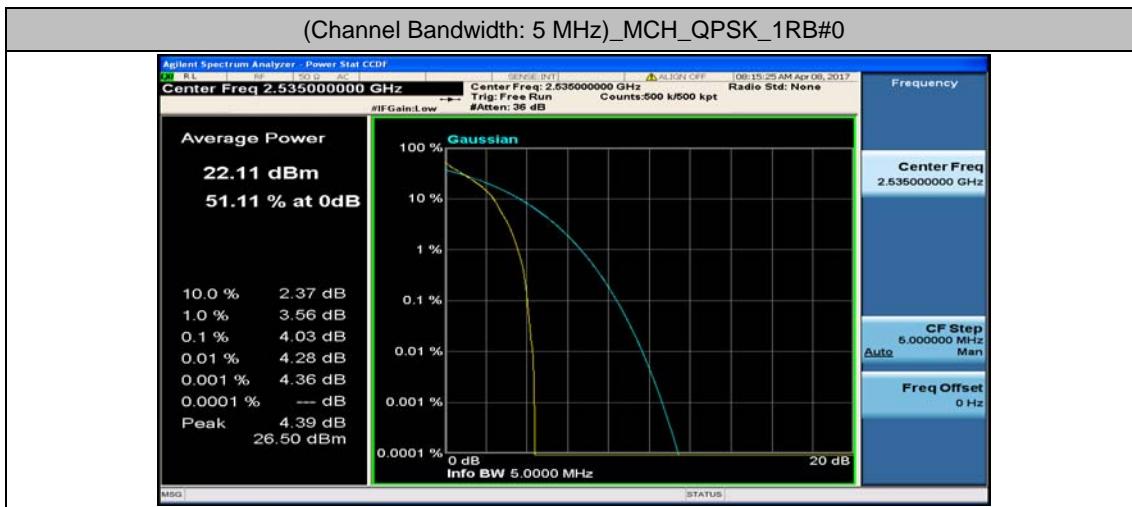
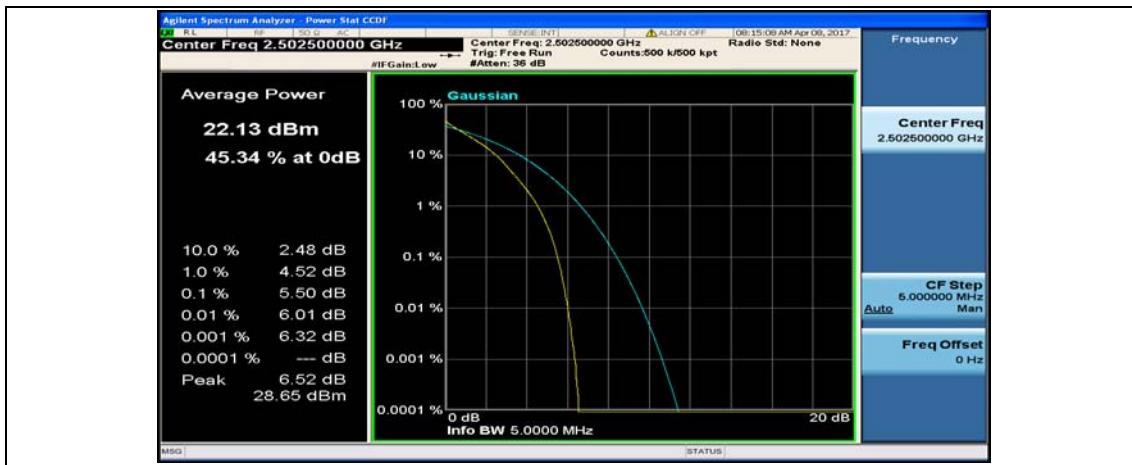
		1	49	3.27	<13	PASS
		1	99	6.71	<13	PASS
		50	0	5.66	<13	PASS
		50	25	5.13	<13	PASS
		50	50	5.93	<13	PASS
		100	0	5.85	<13	PASS
16QAM	LCH	1	0	6.5	<13	PASS
		1	49	4.62	<13	PASS
		1	99	6.24	<13	PASS
		50	0	6.49	<13	PASS
		50	25	6.04	<13	PASS
		50	50	6.5	<13	PASS
		100	0	6.7	<13	PASS
	MCH	1	0	6.66	<13	PASS
		1	49	5.07	<13	PASS
		1	99	6.63	<13	PASS
		50	0	6.8	<13	PASS
		50	25	6.42	<13	PASS
		50	50	6.78	<13	PASS
		100	0	6.94	<13	PASS
	HCH	1	0	6.85	<13	PASS
		1	49	4.24	<13	PASS
		1	99	7.82	<13	PASS
		50	0	6.67	<13	PASS
		50	25	5.9	<13	PASS
		50	50	6.83	<13	PASS
		100	0	6.9	<13	PASS

## Test Graphs

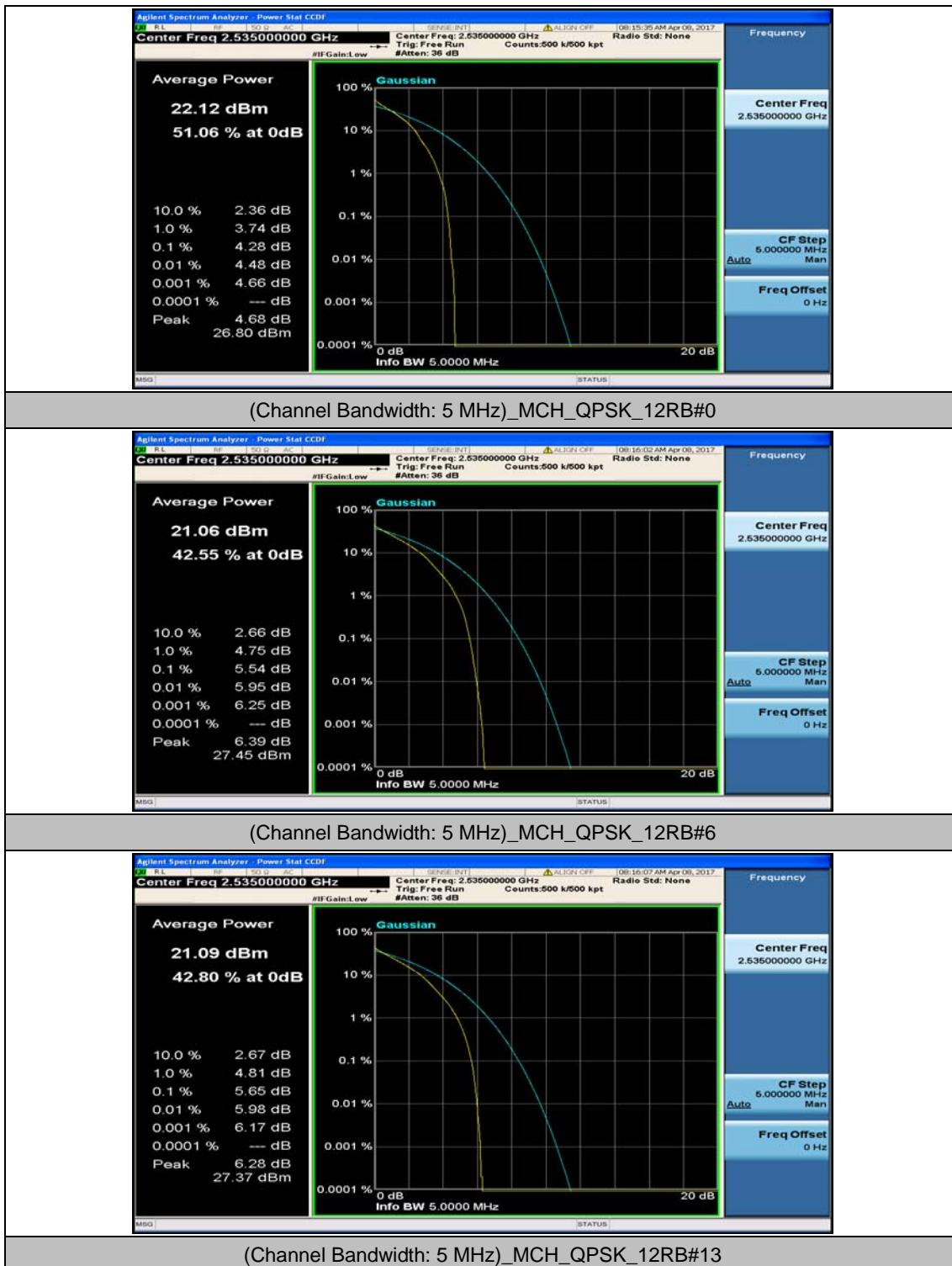
### Channel Bandwidth: 5 MHz

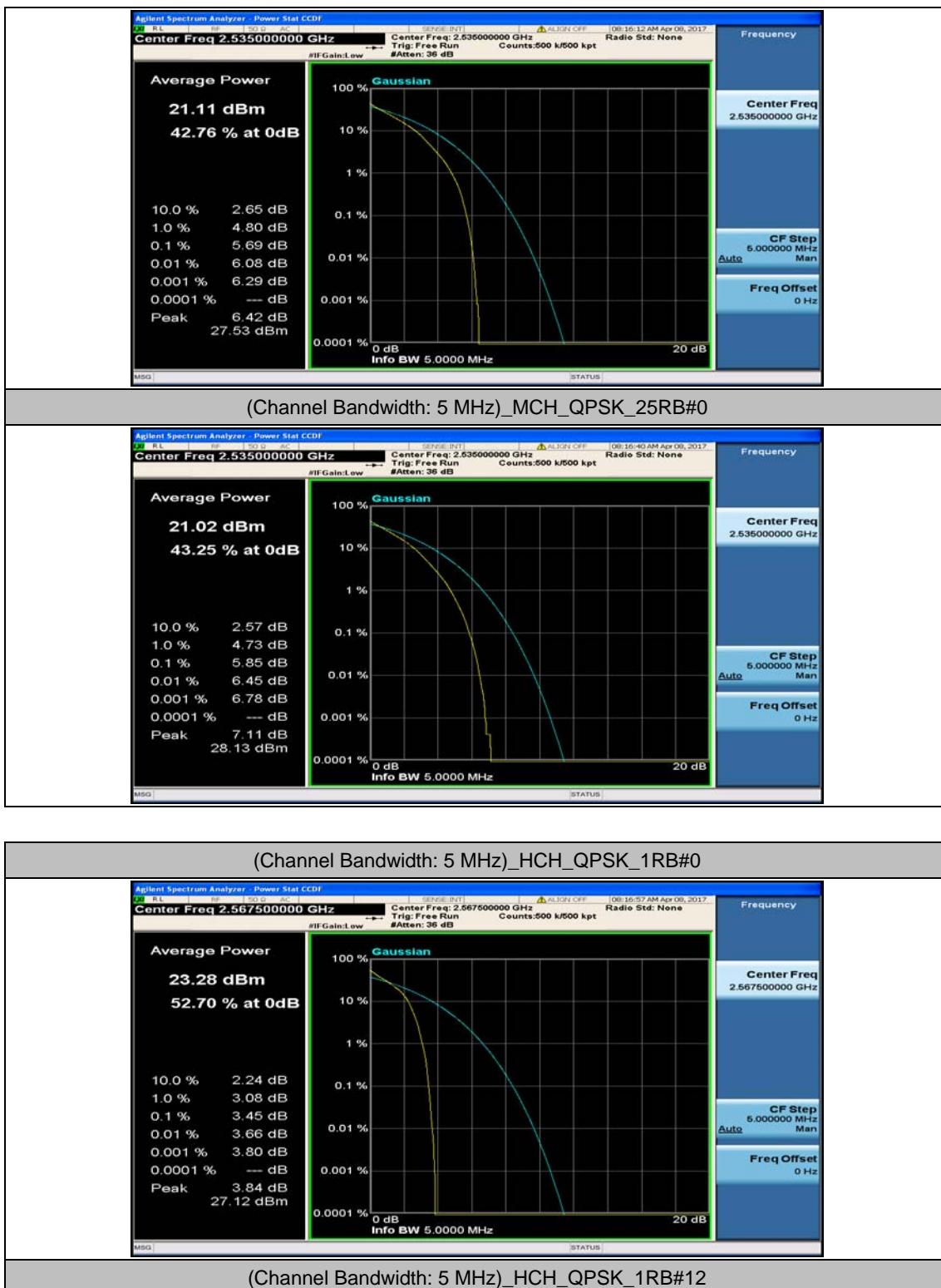


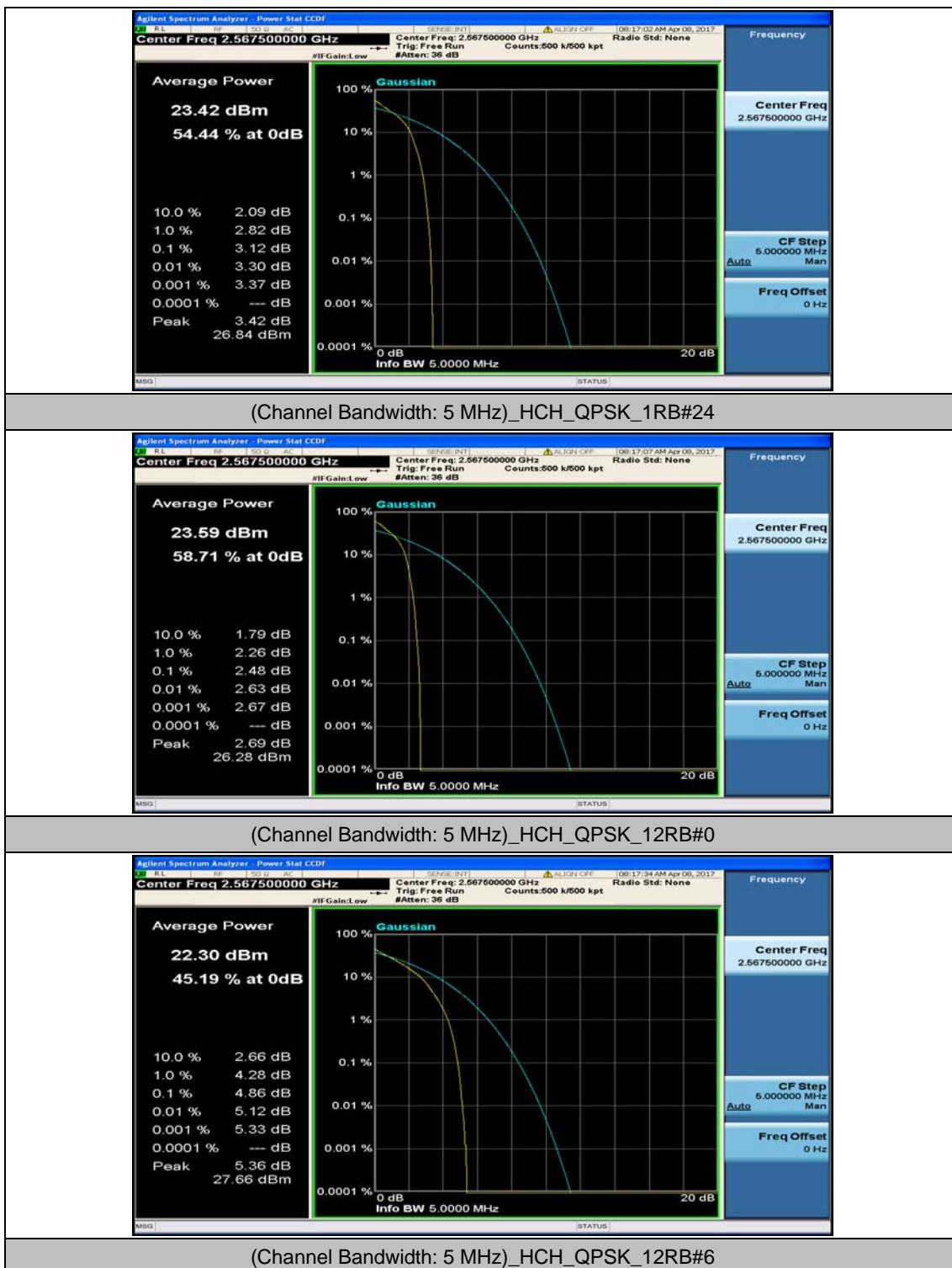


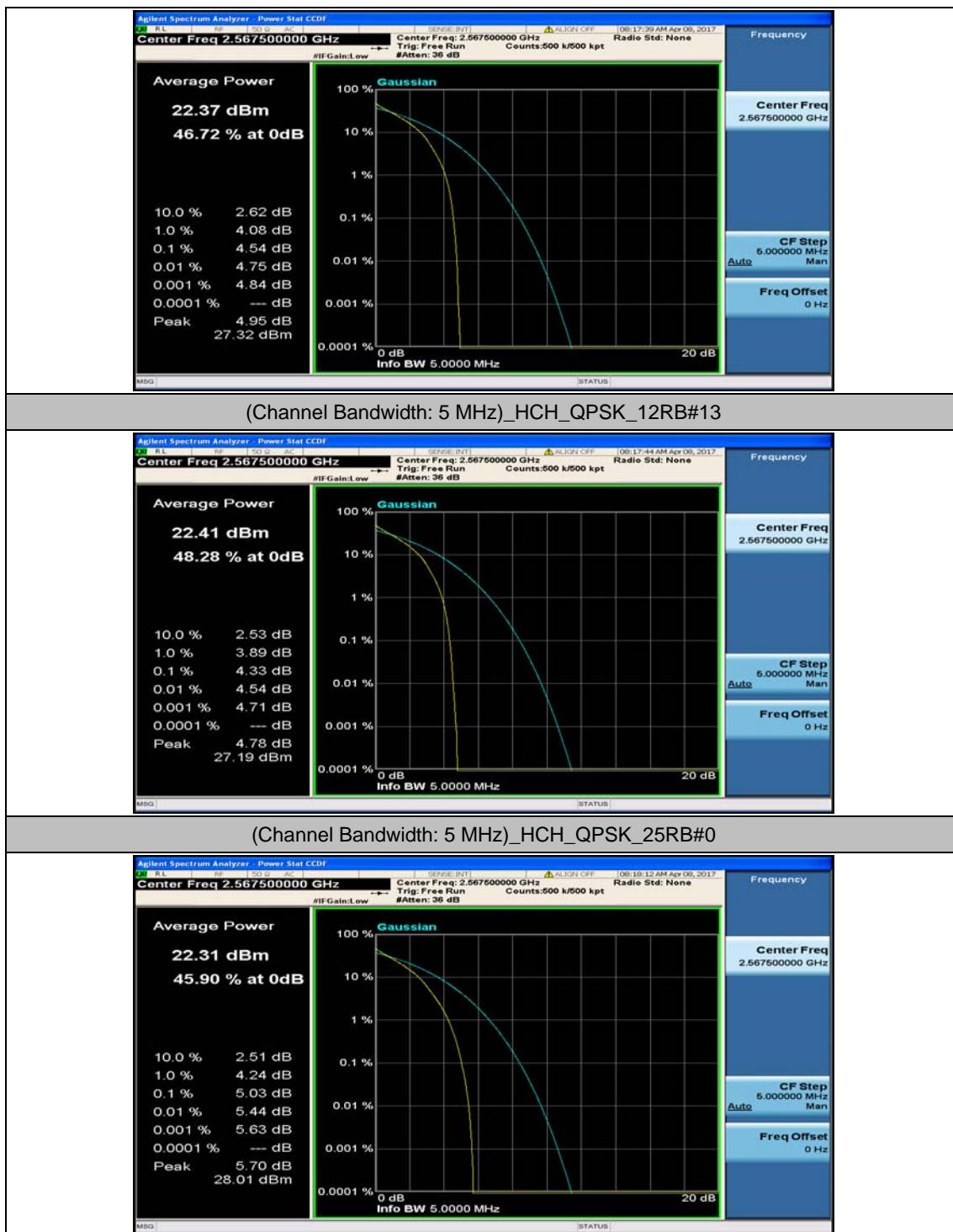


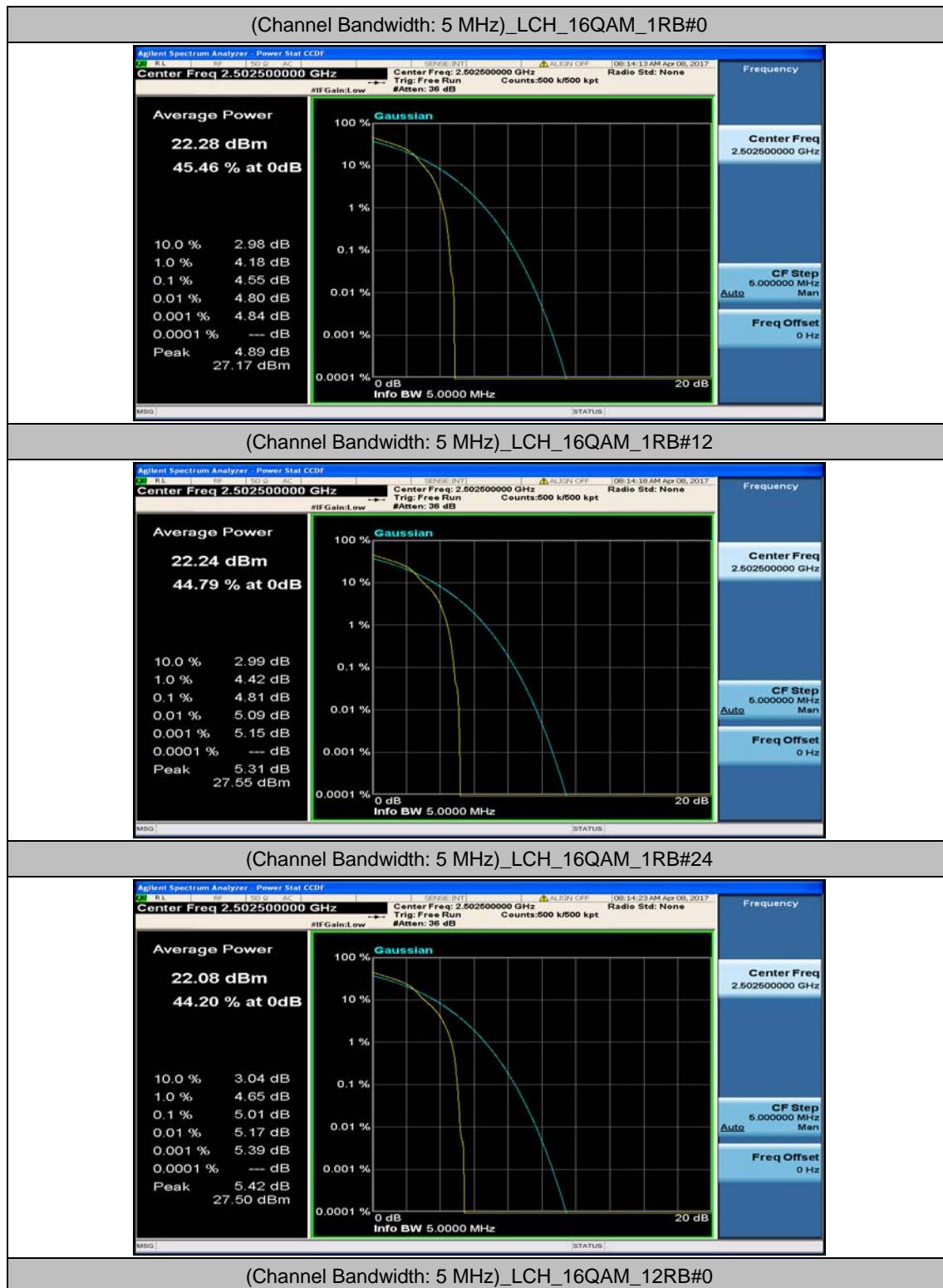
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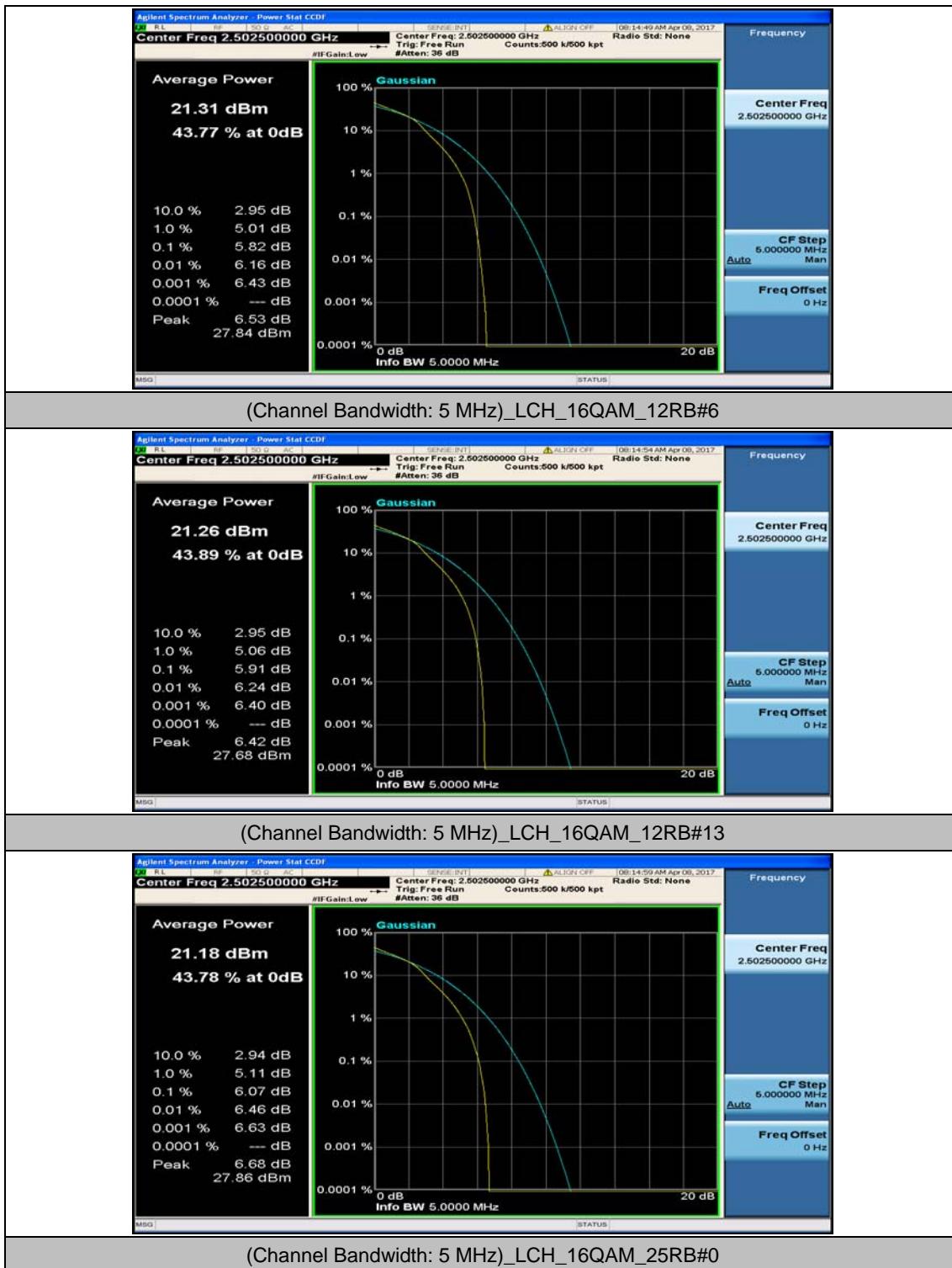


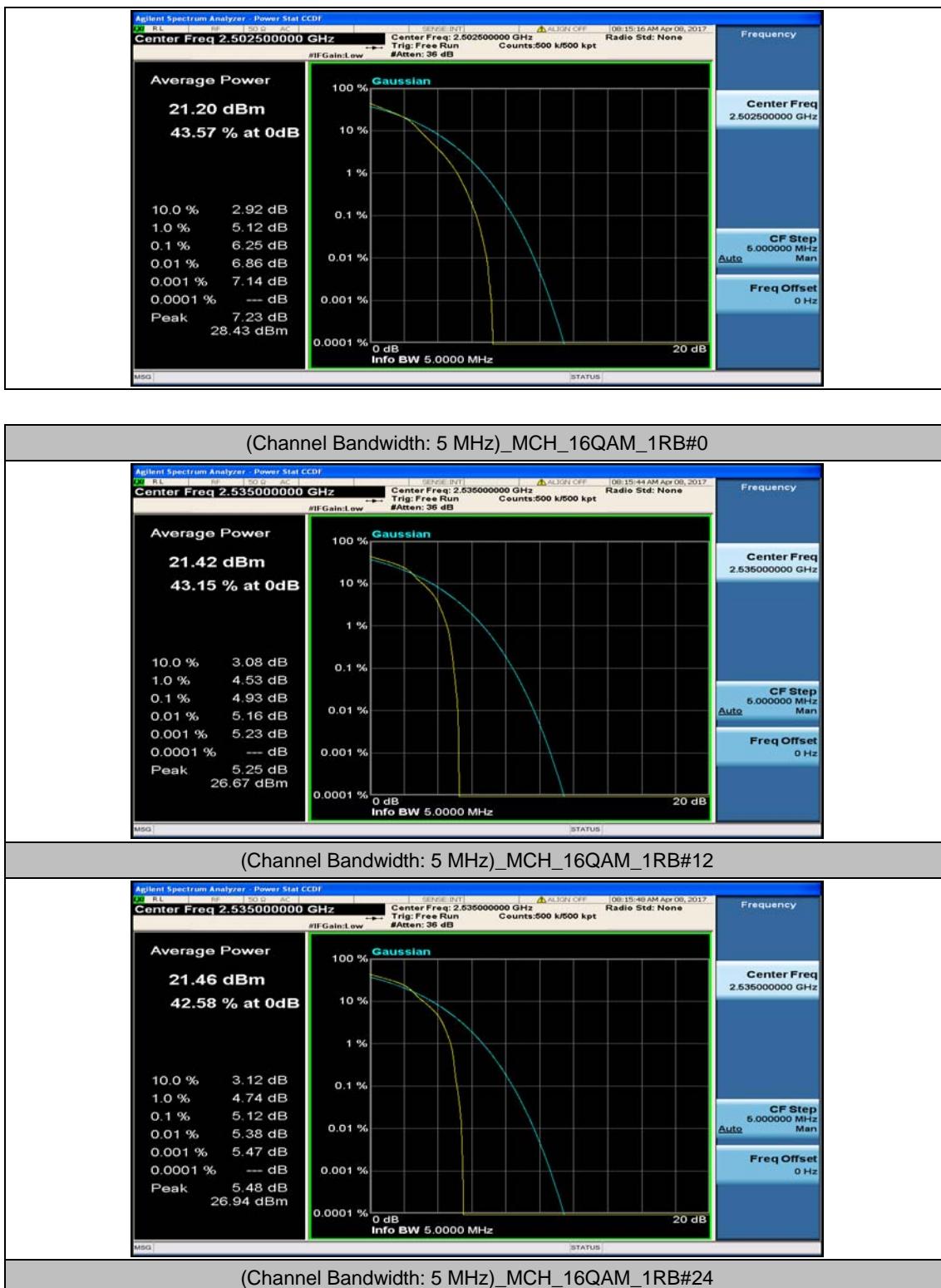


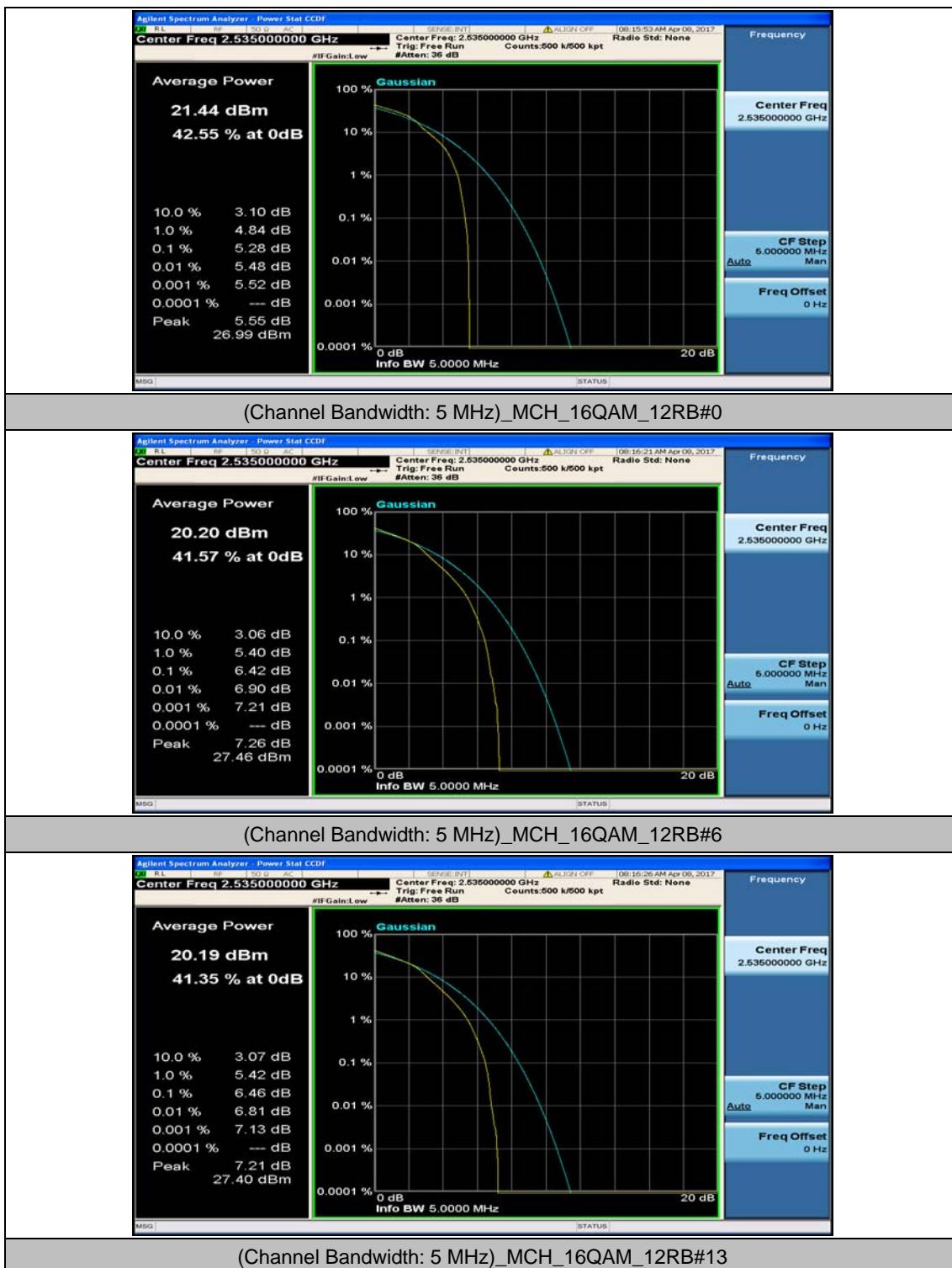


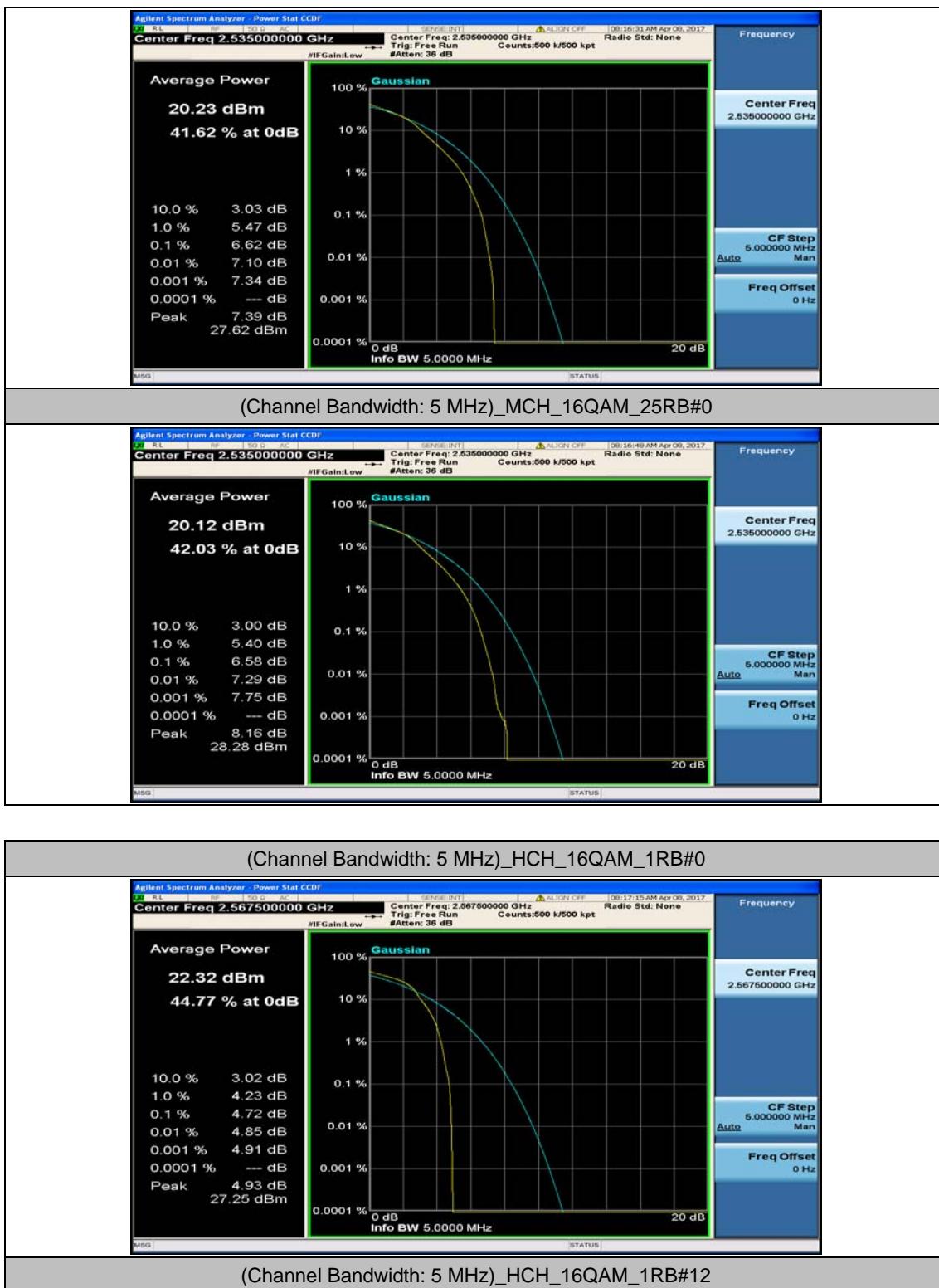


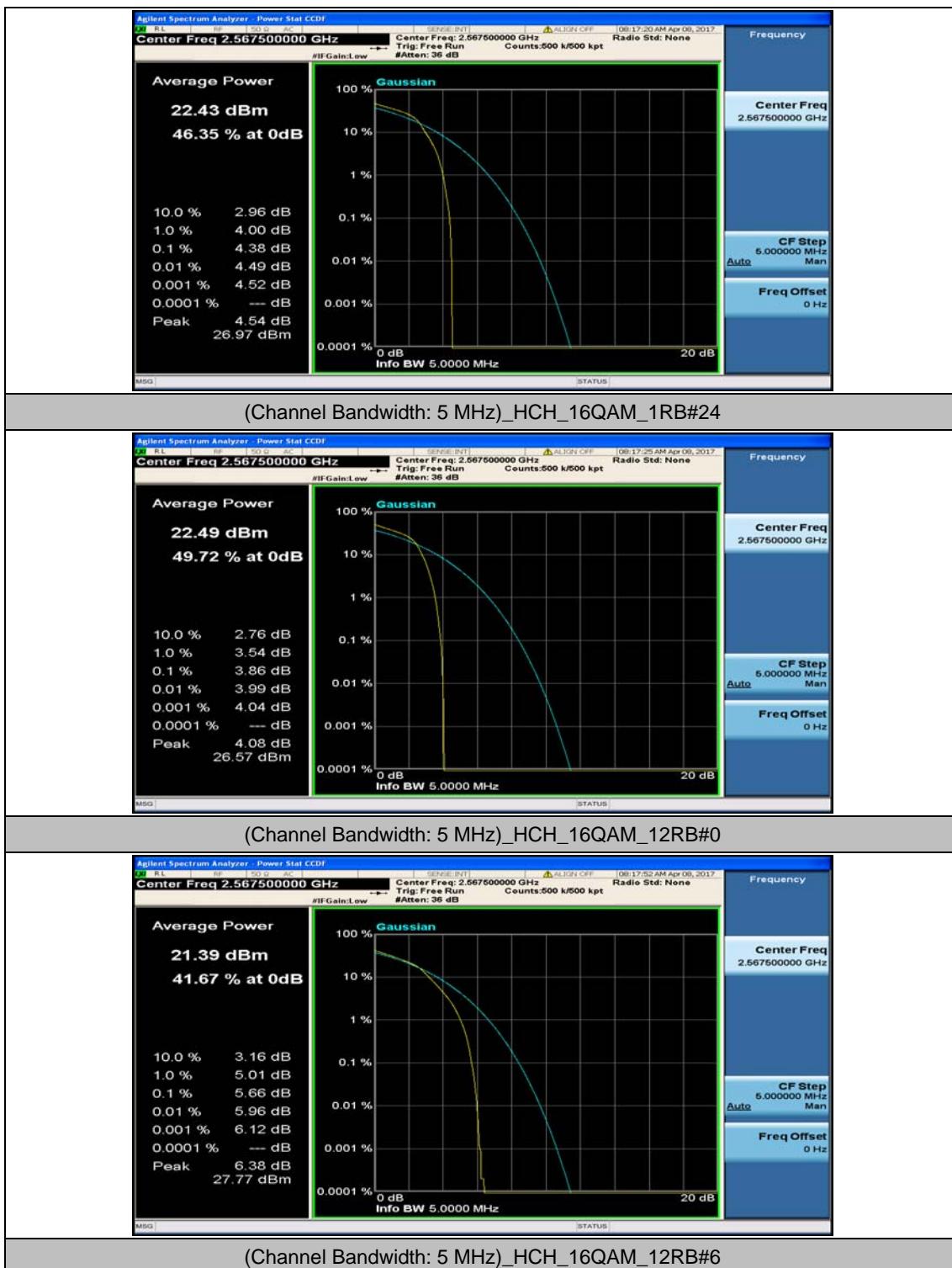


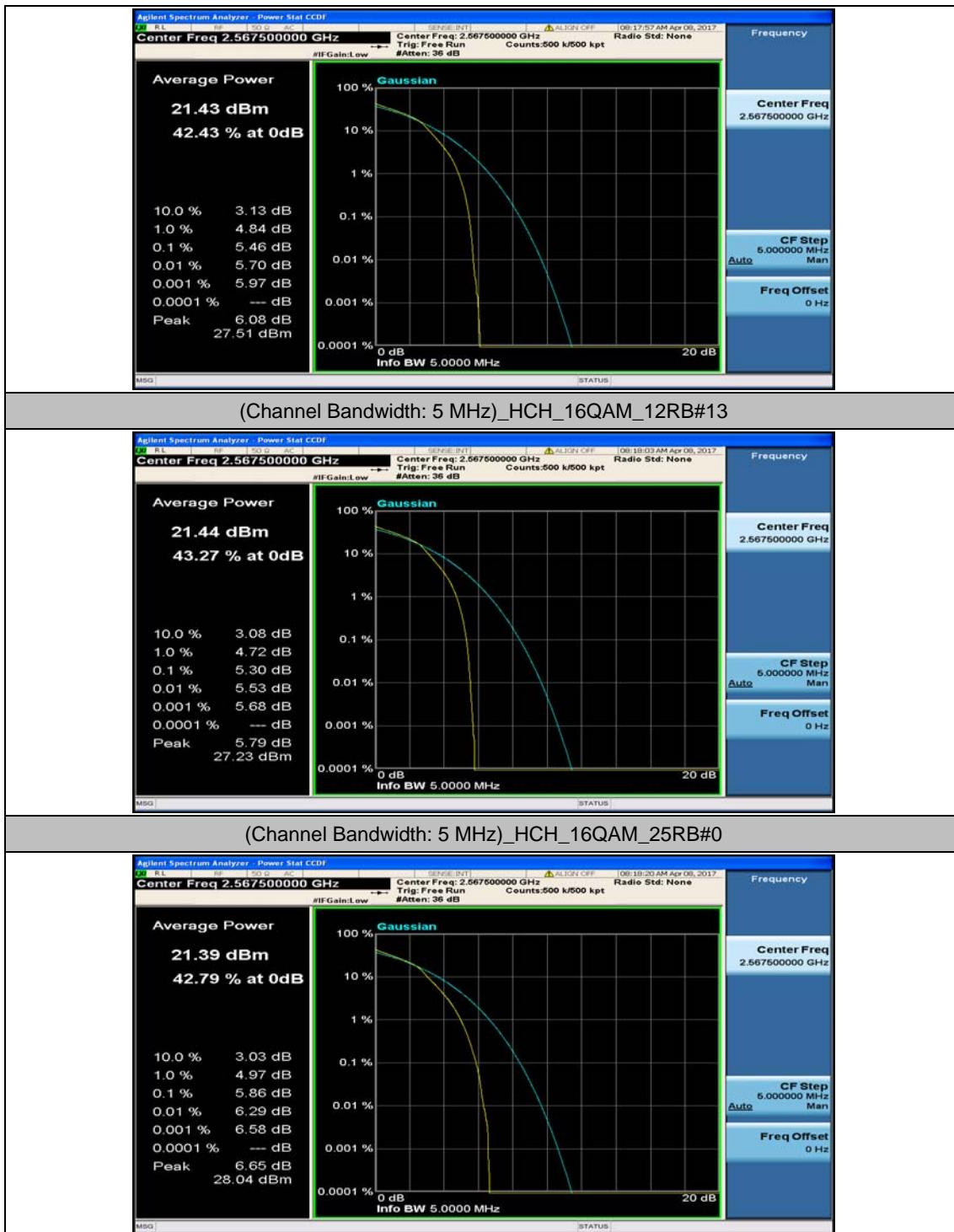




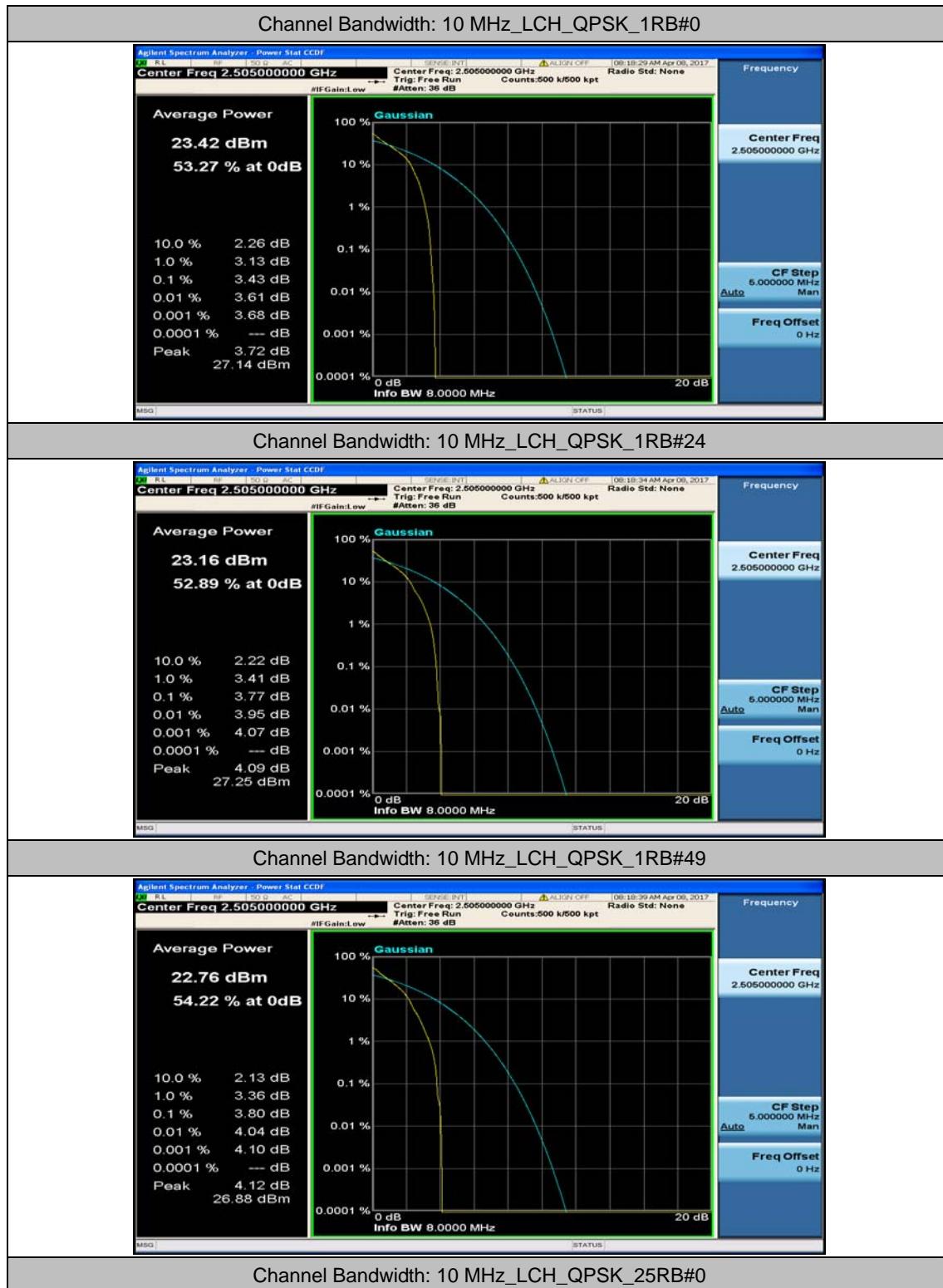


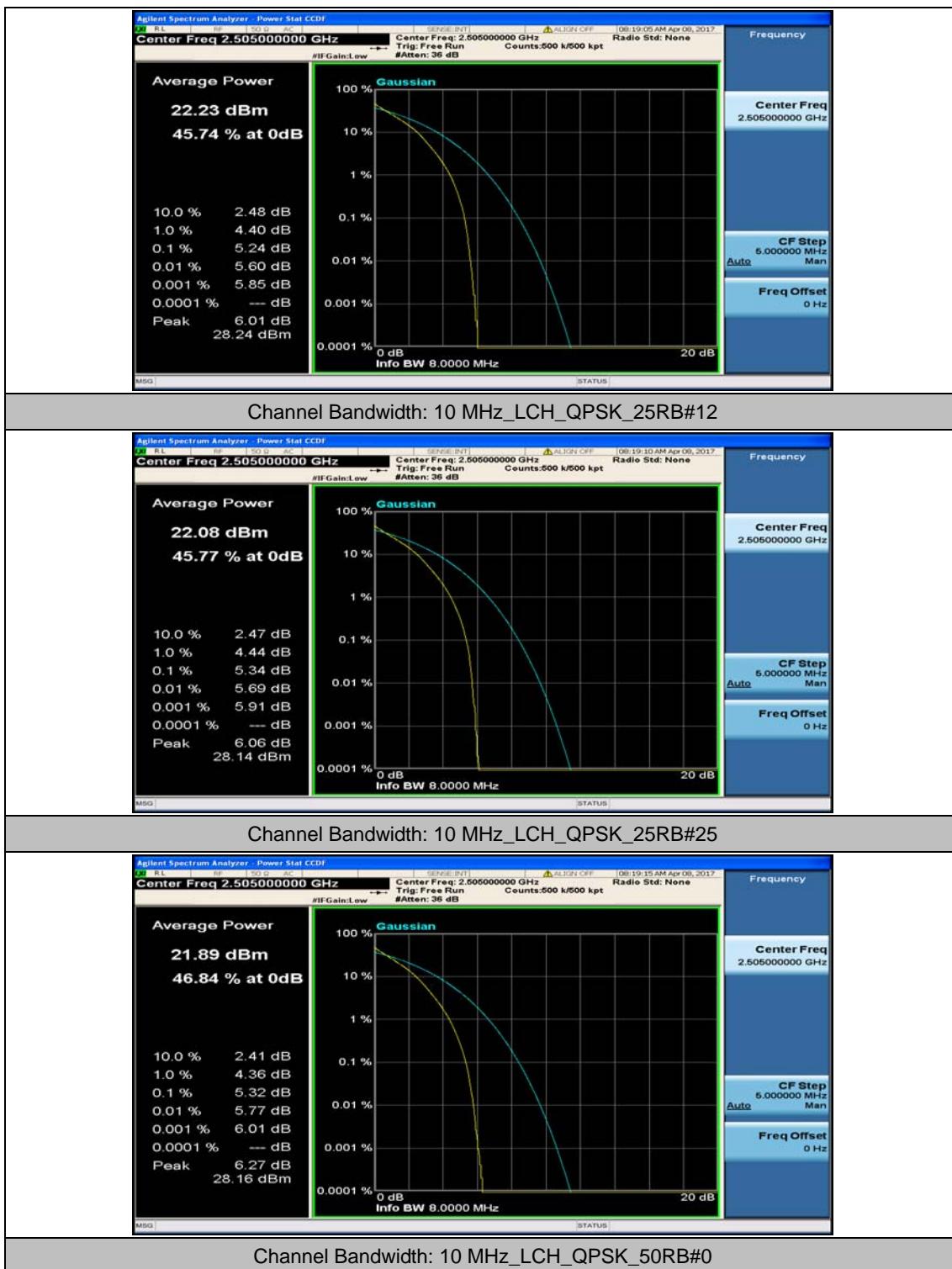


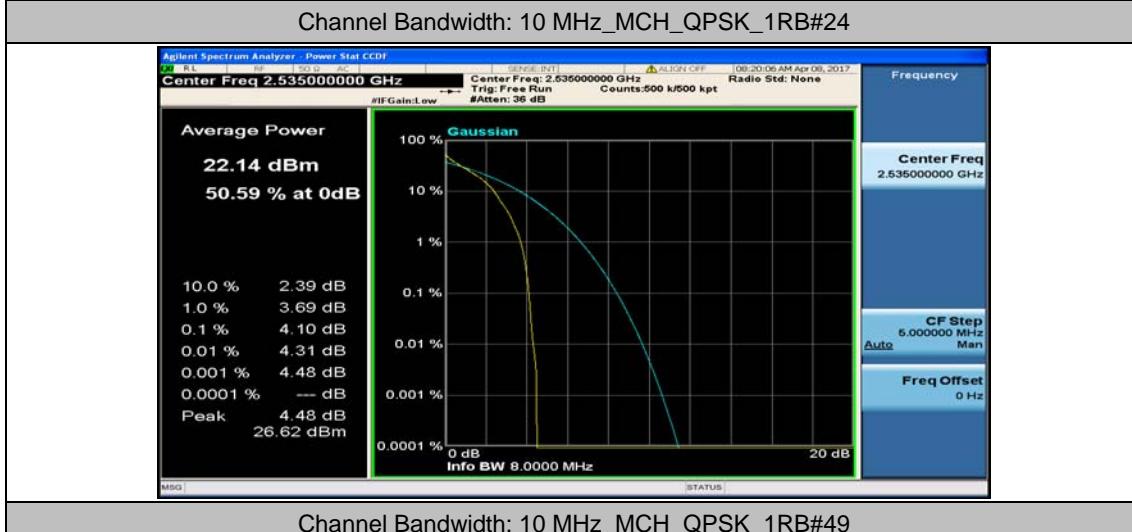
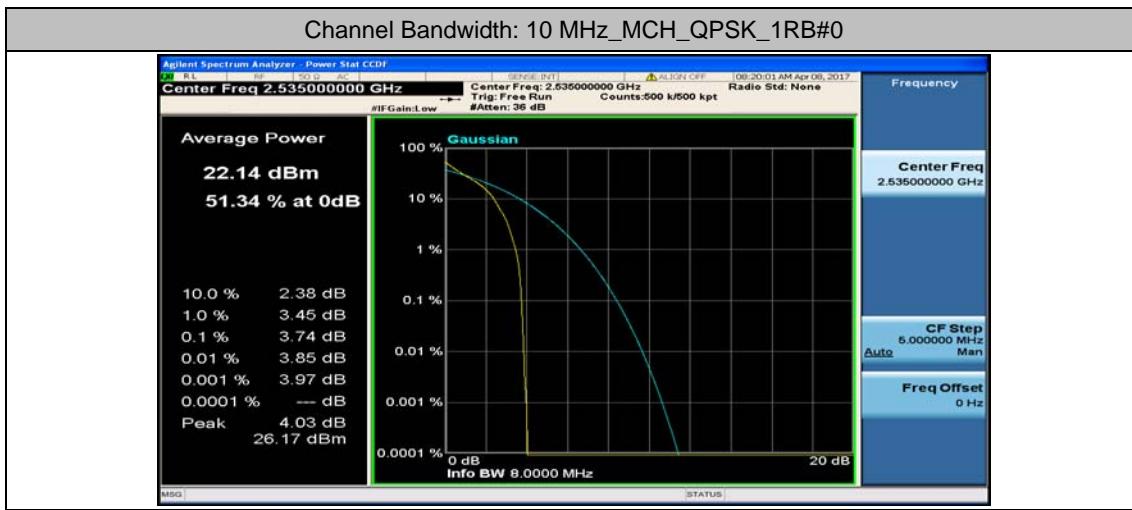
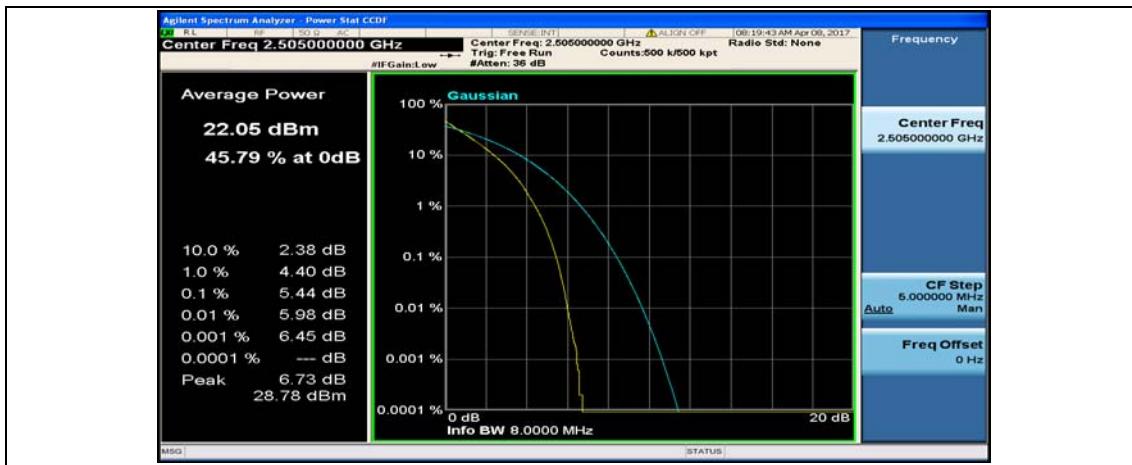




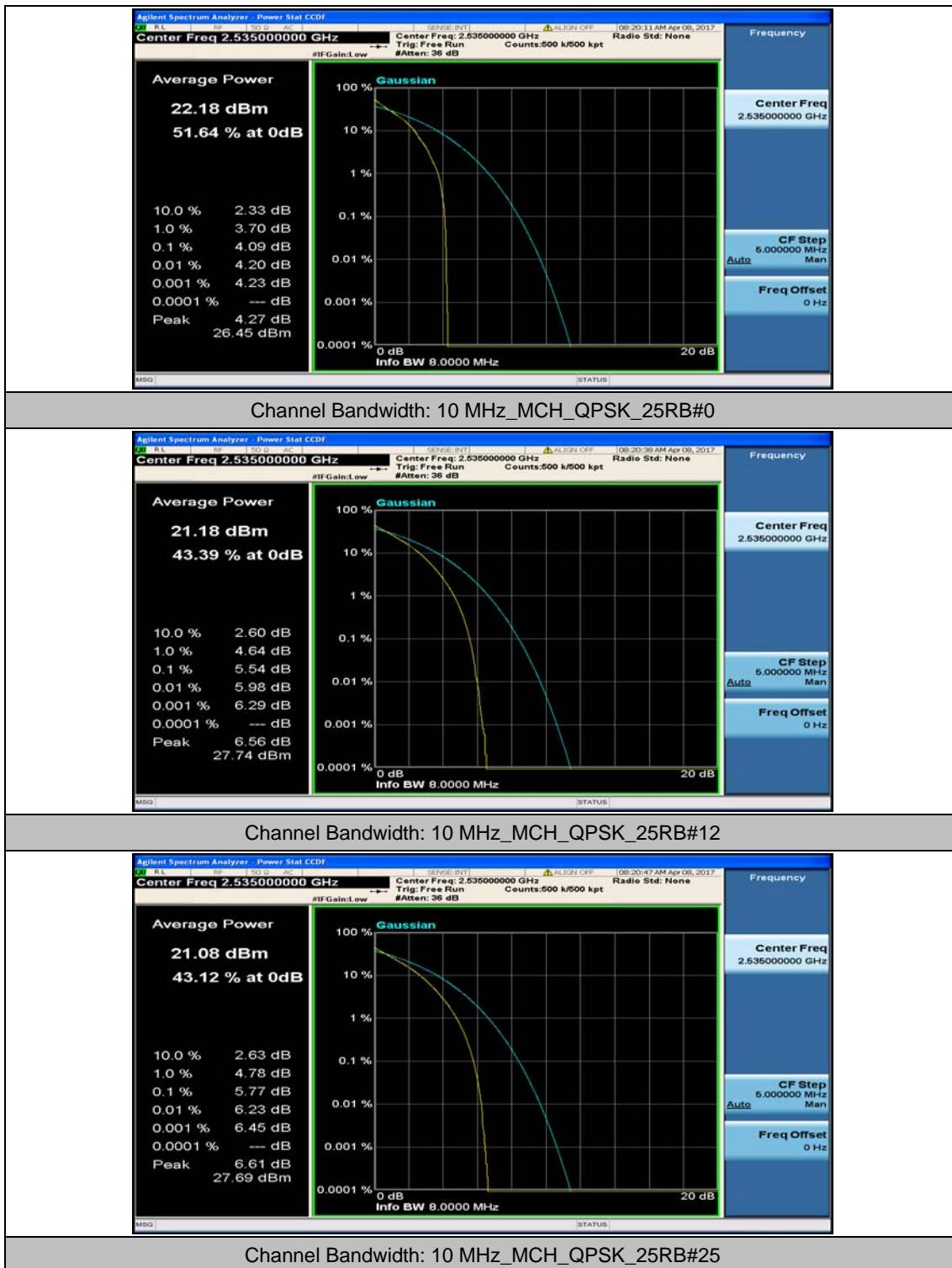
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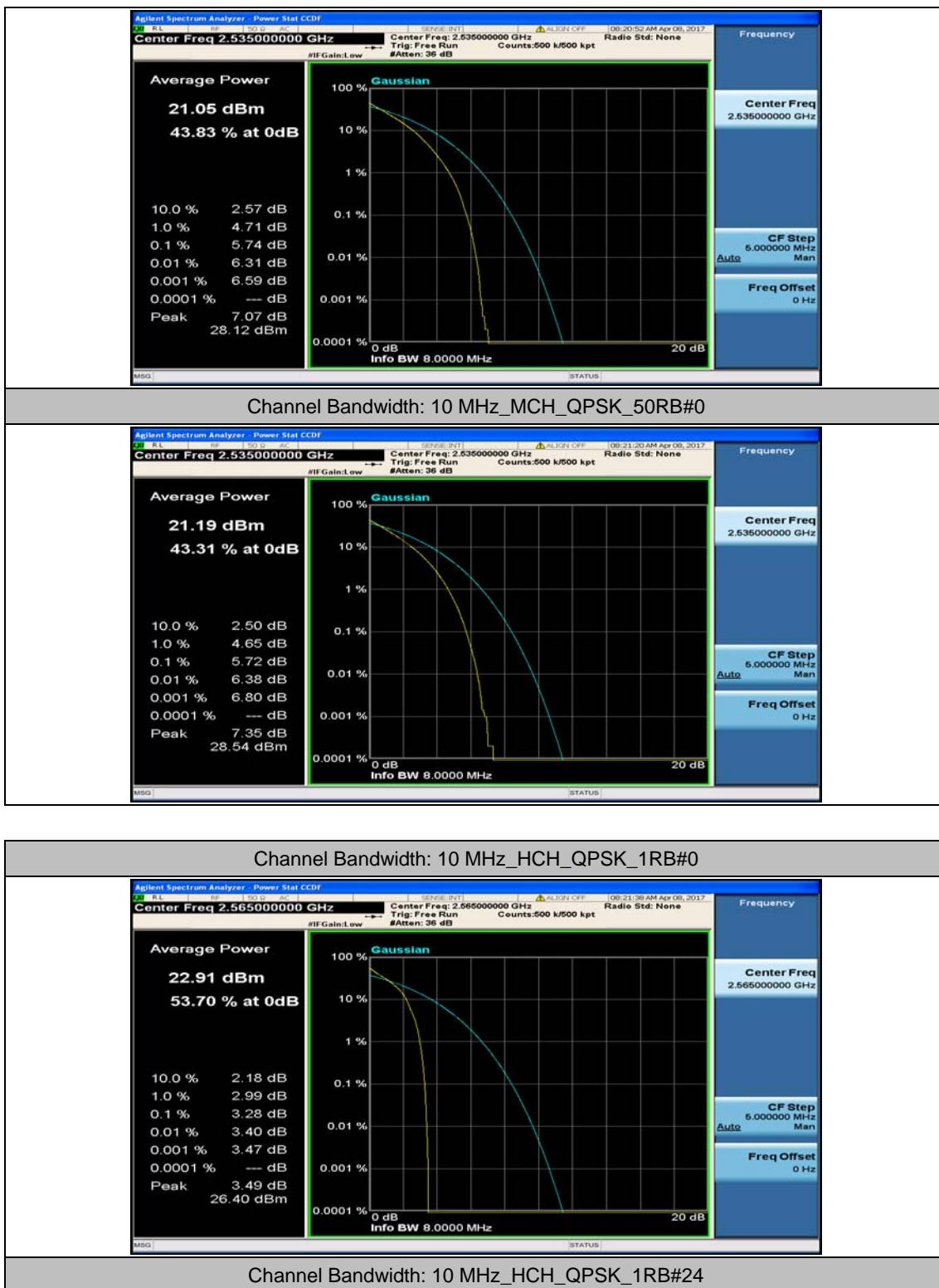


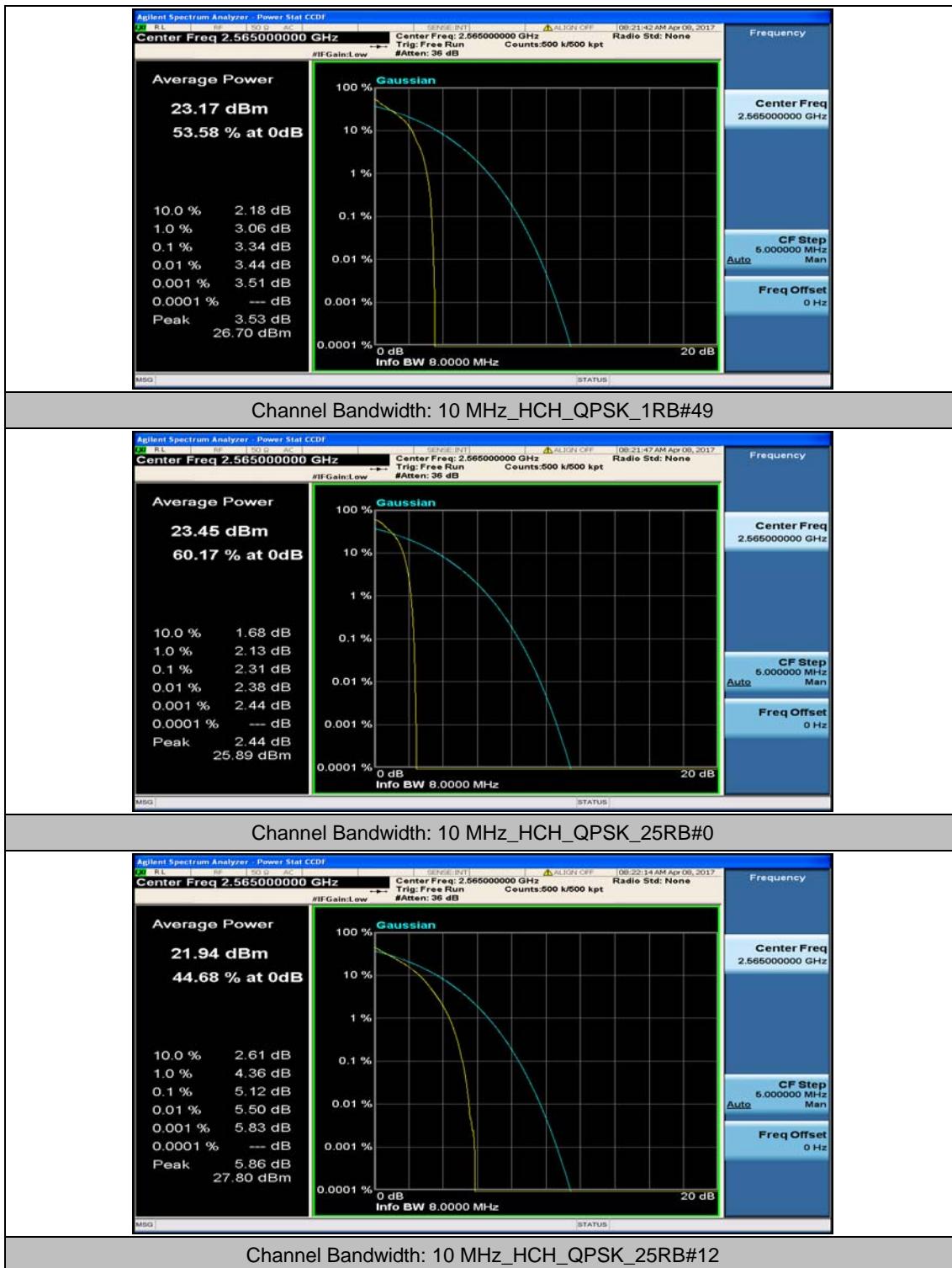


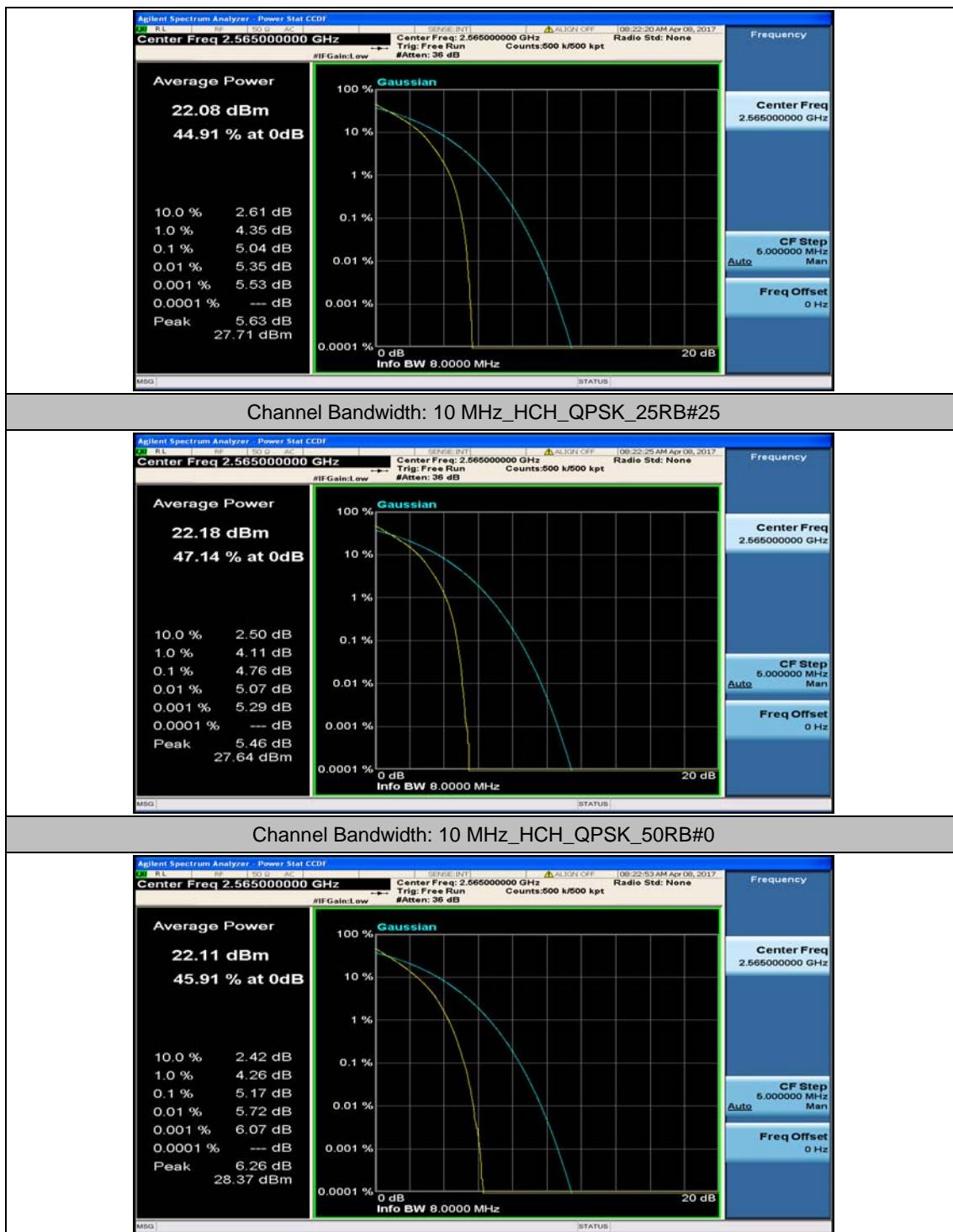


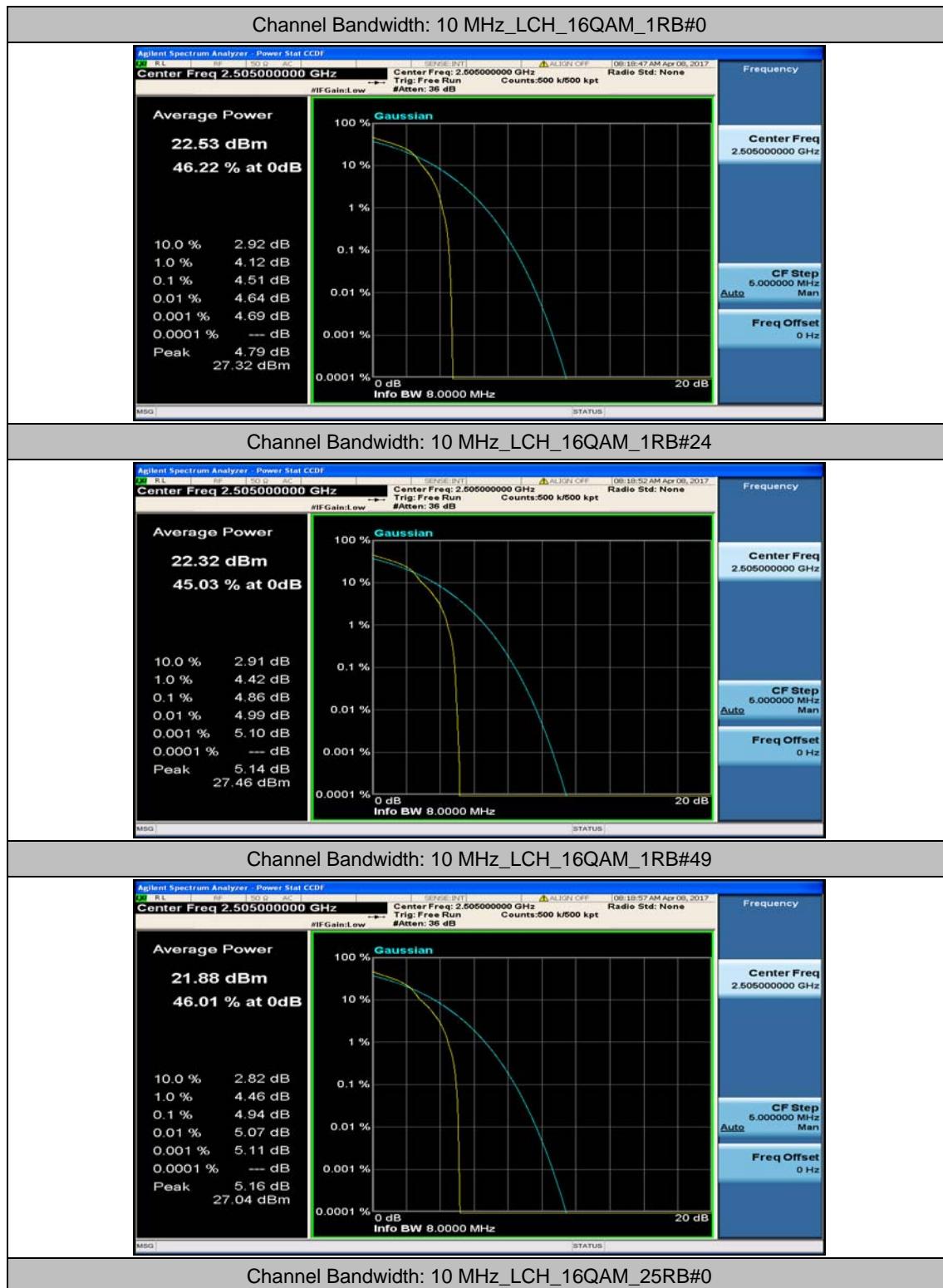
**Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49**

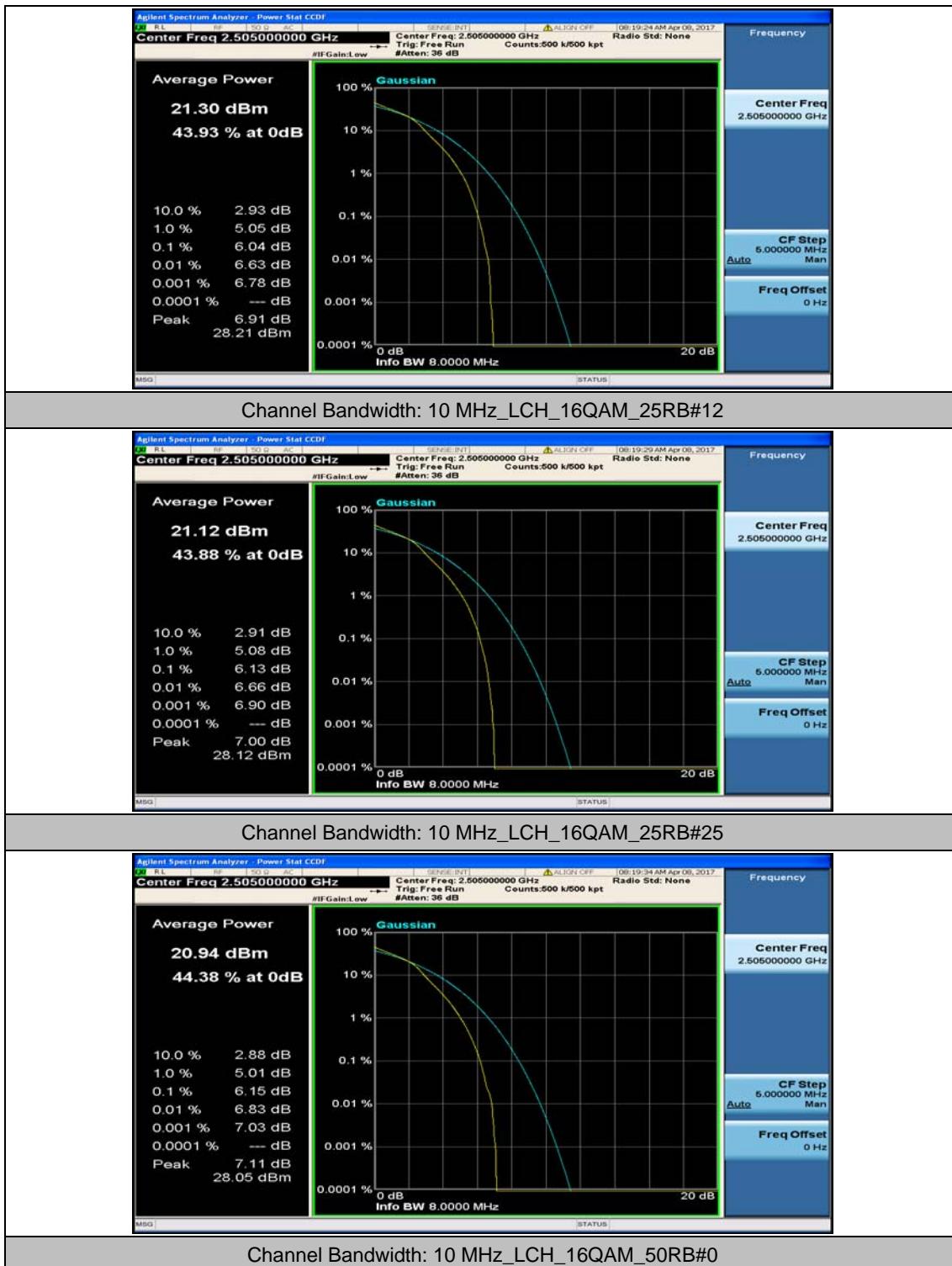


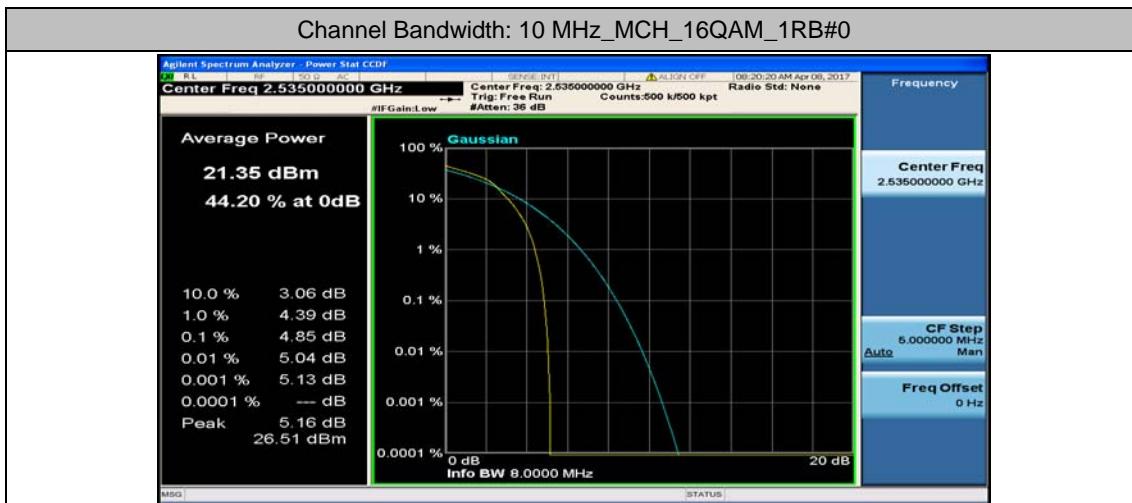
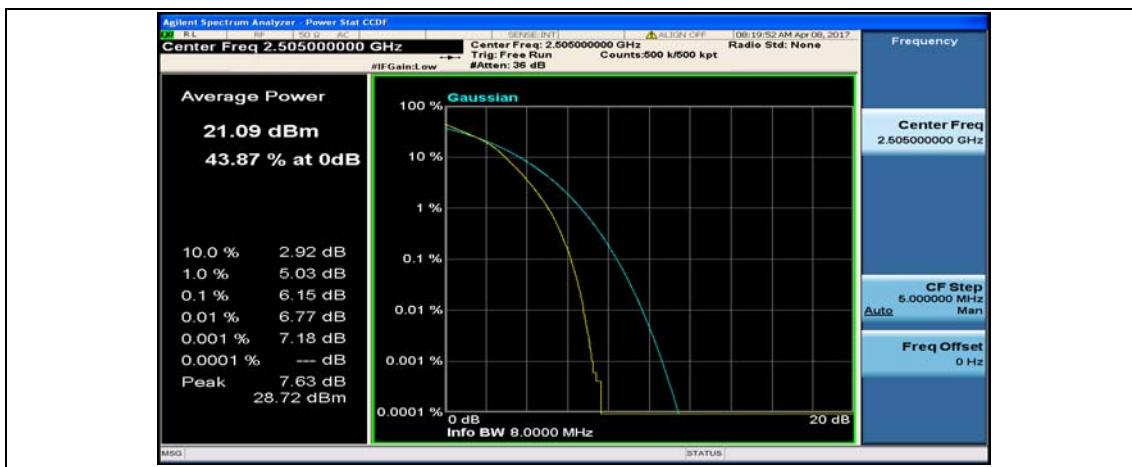




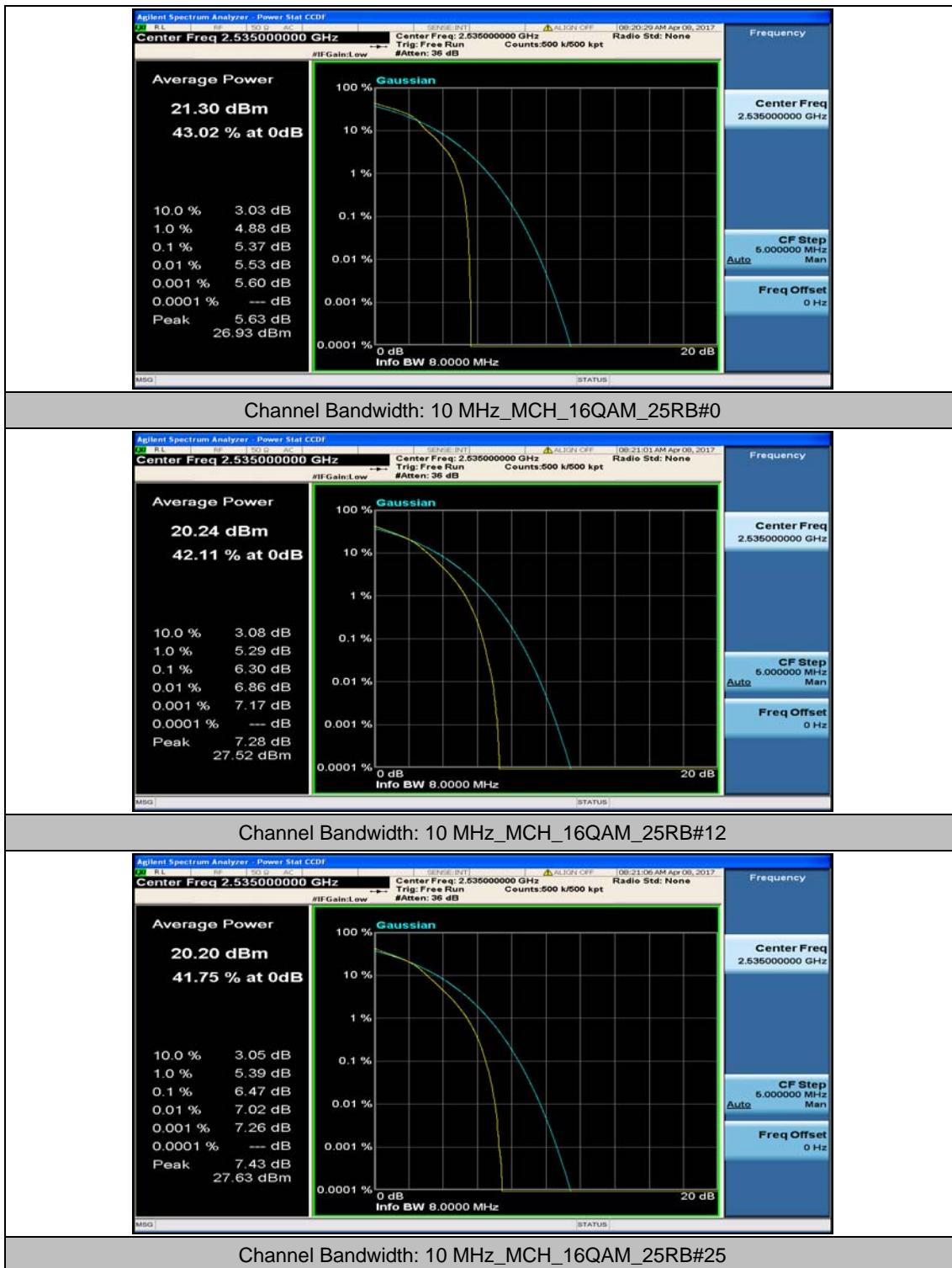


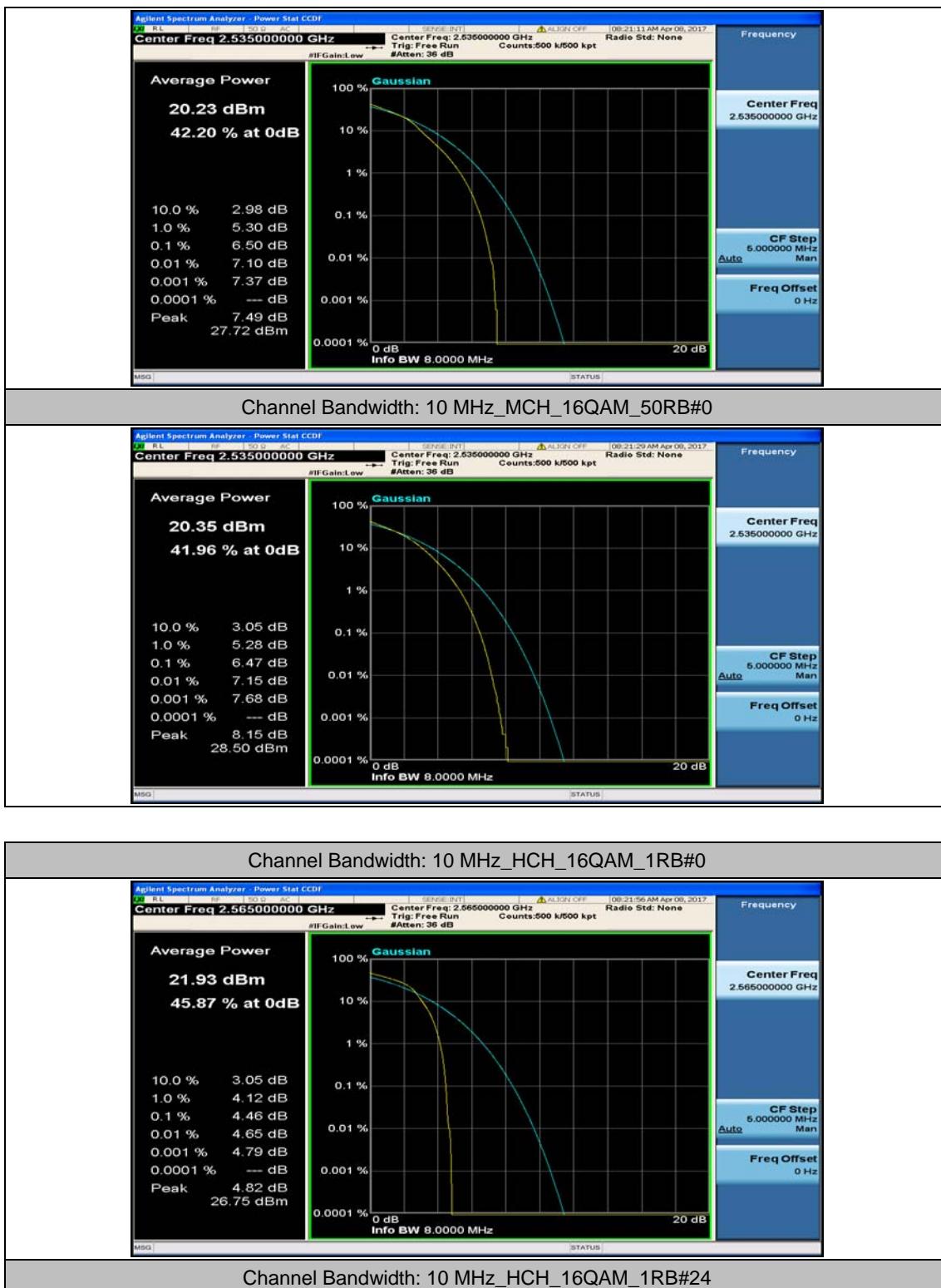


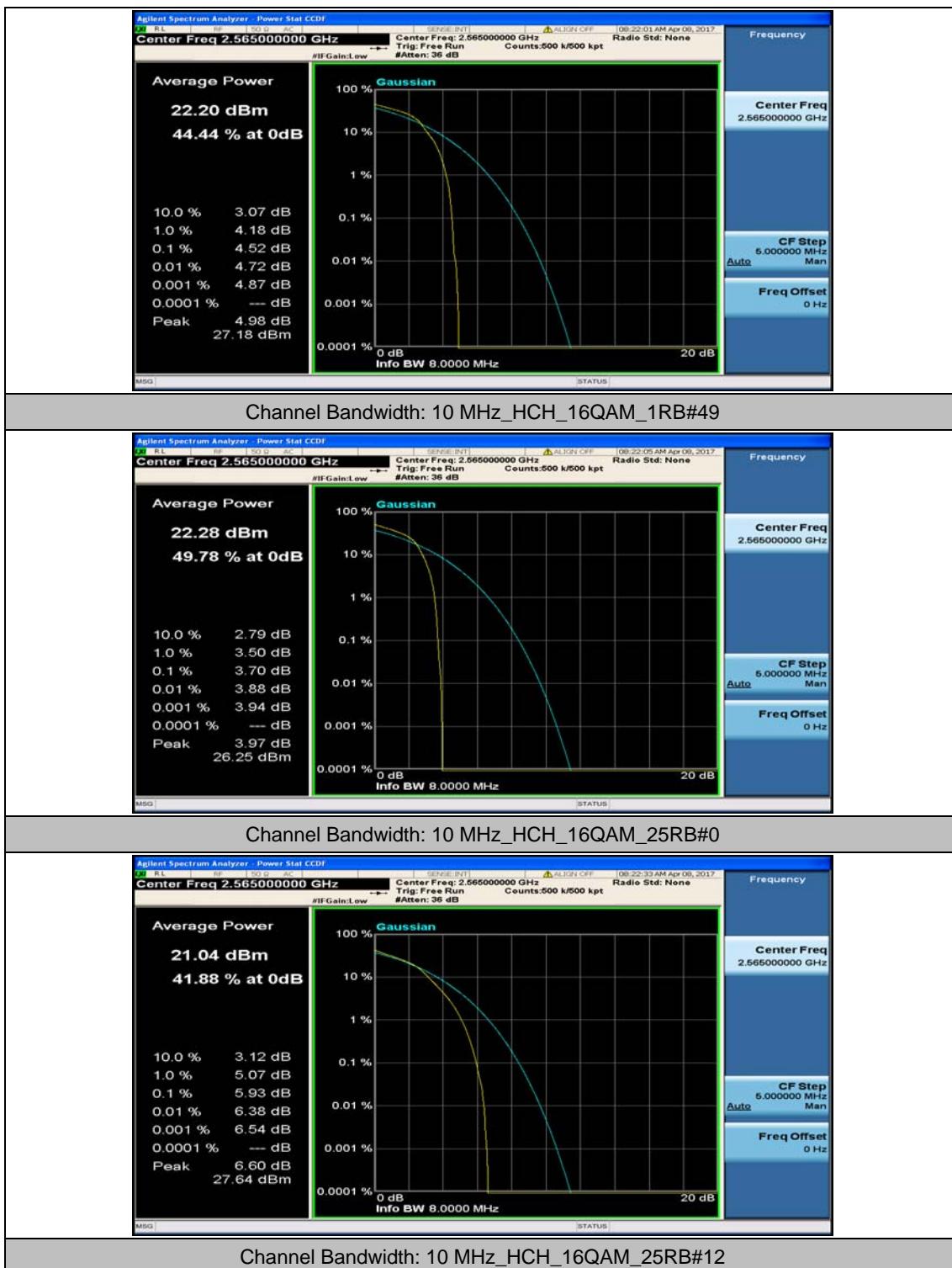


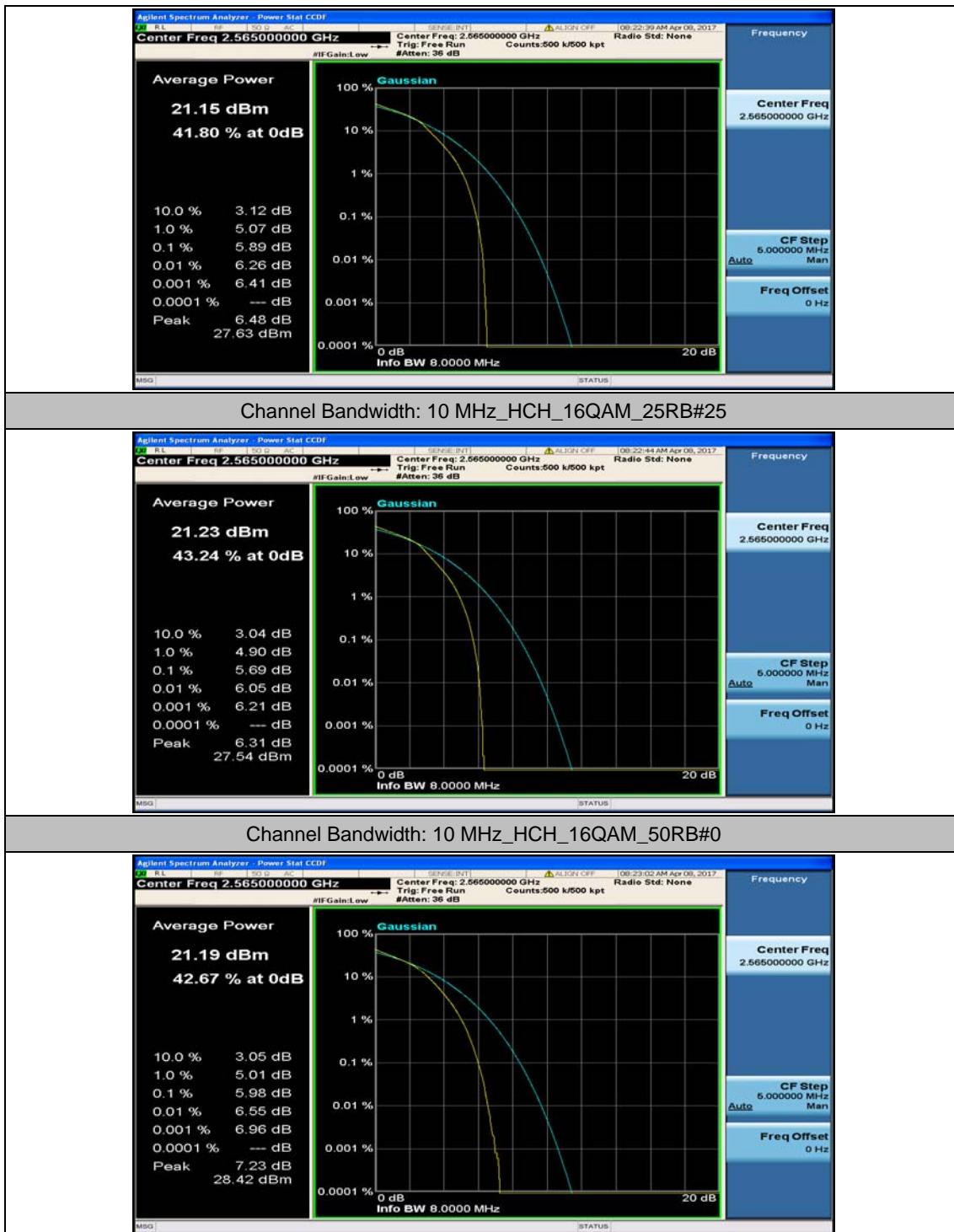


**Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49**

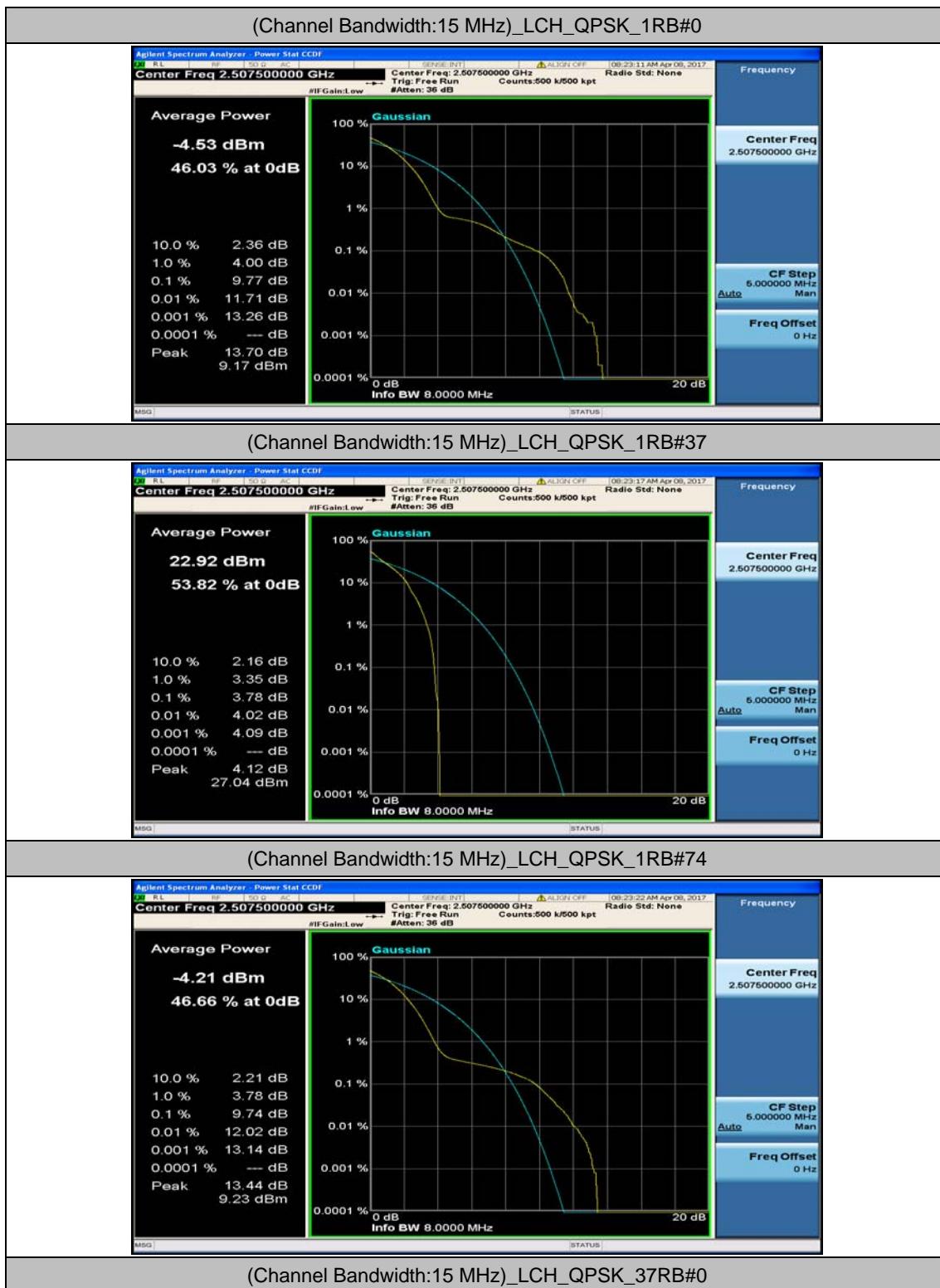


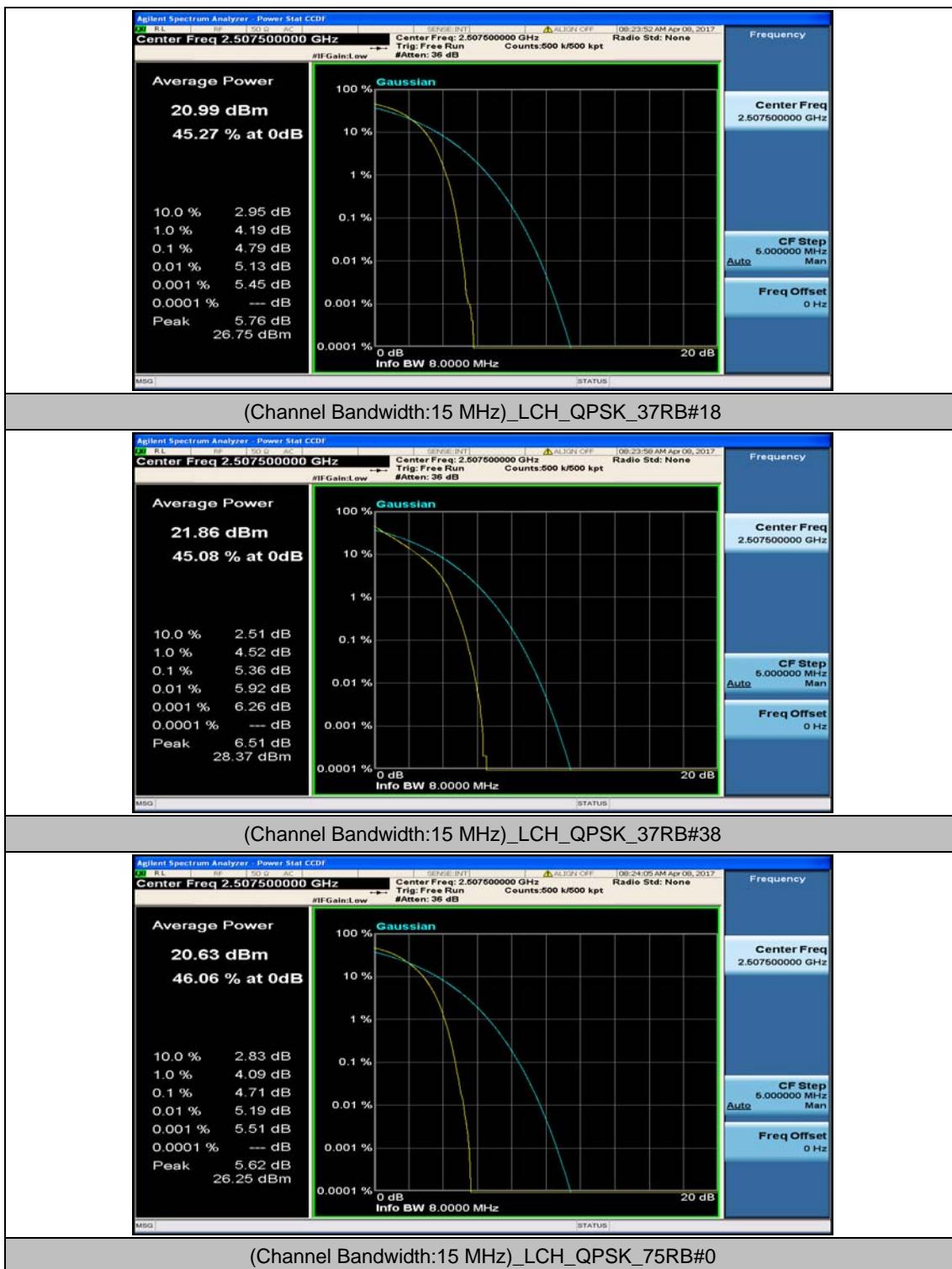


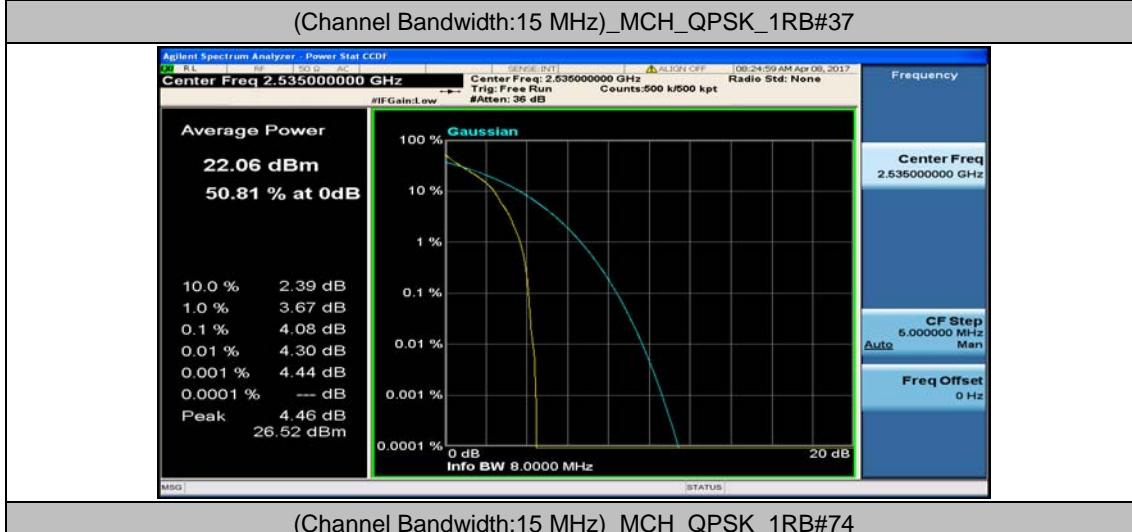
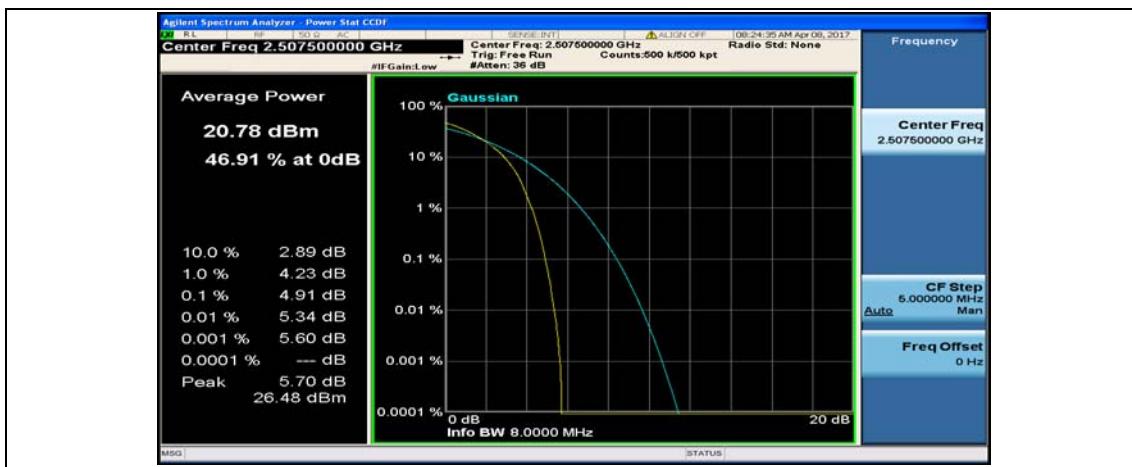


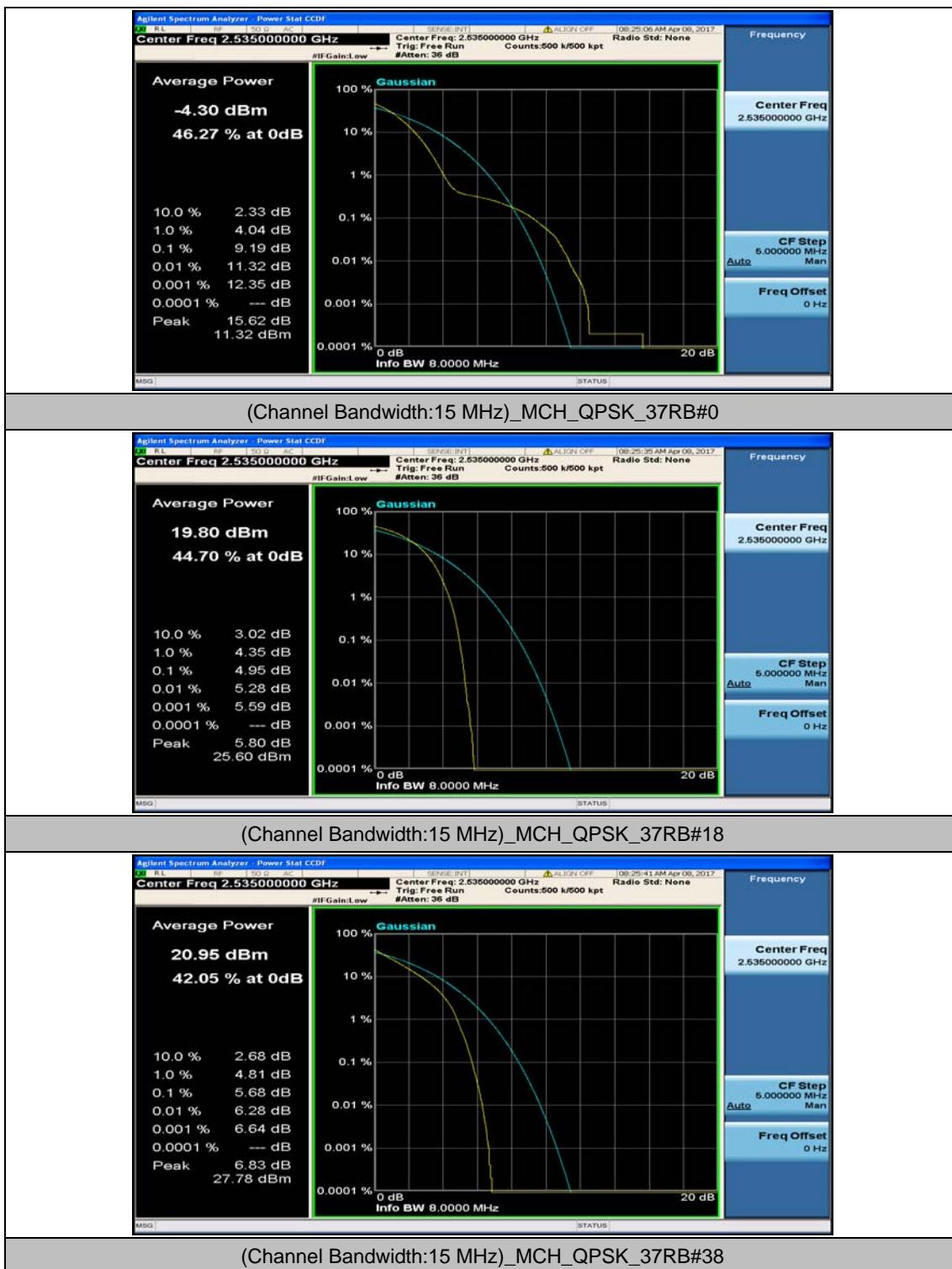


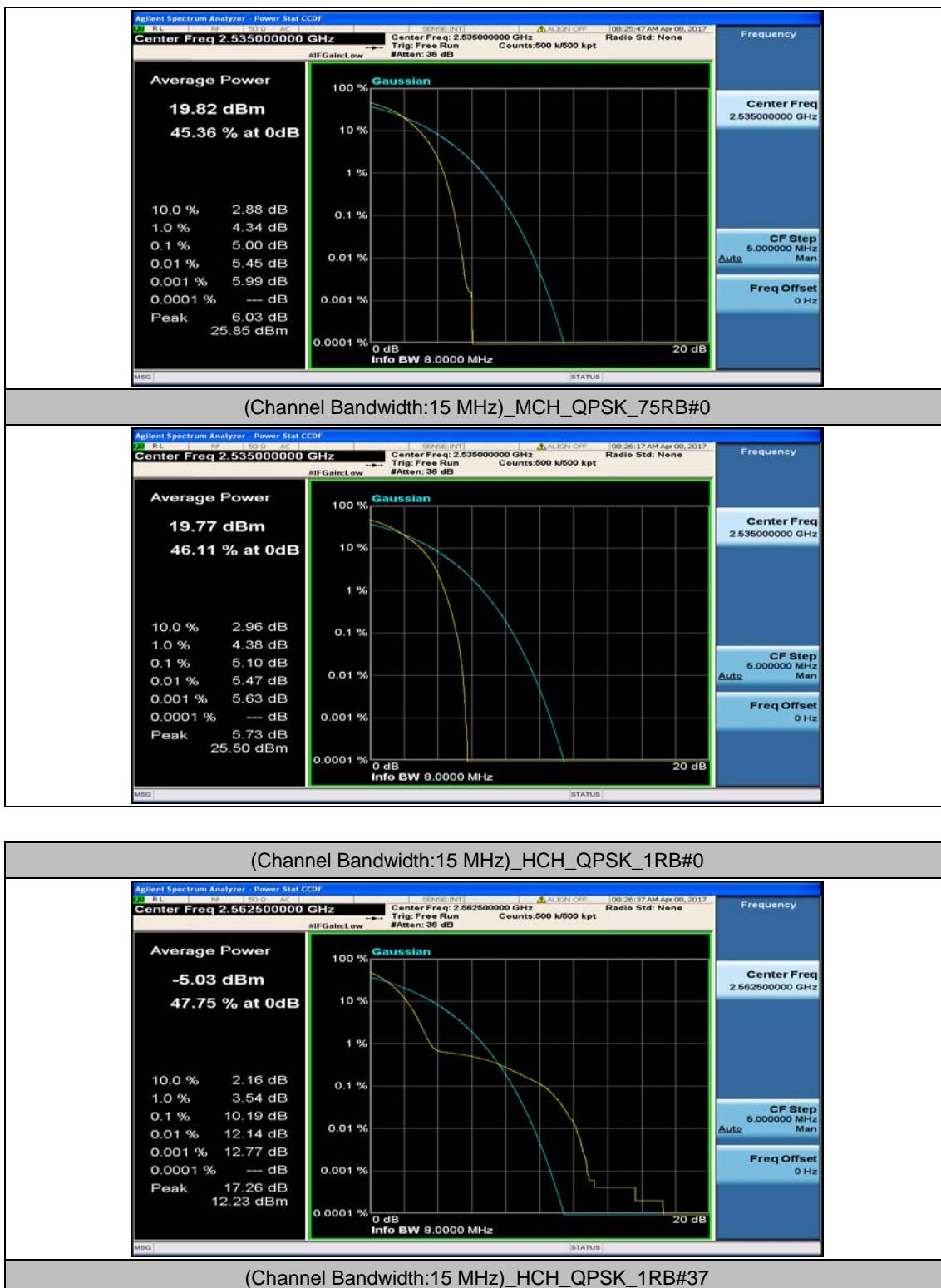
## Channel Bandwidth: 15 MHz

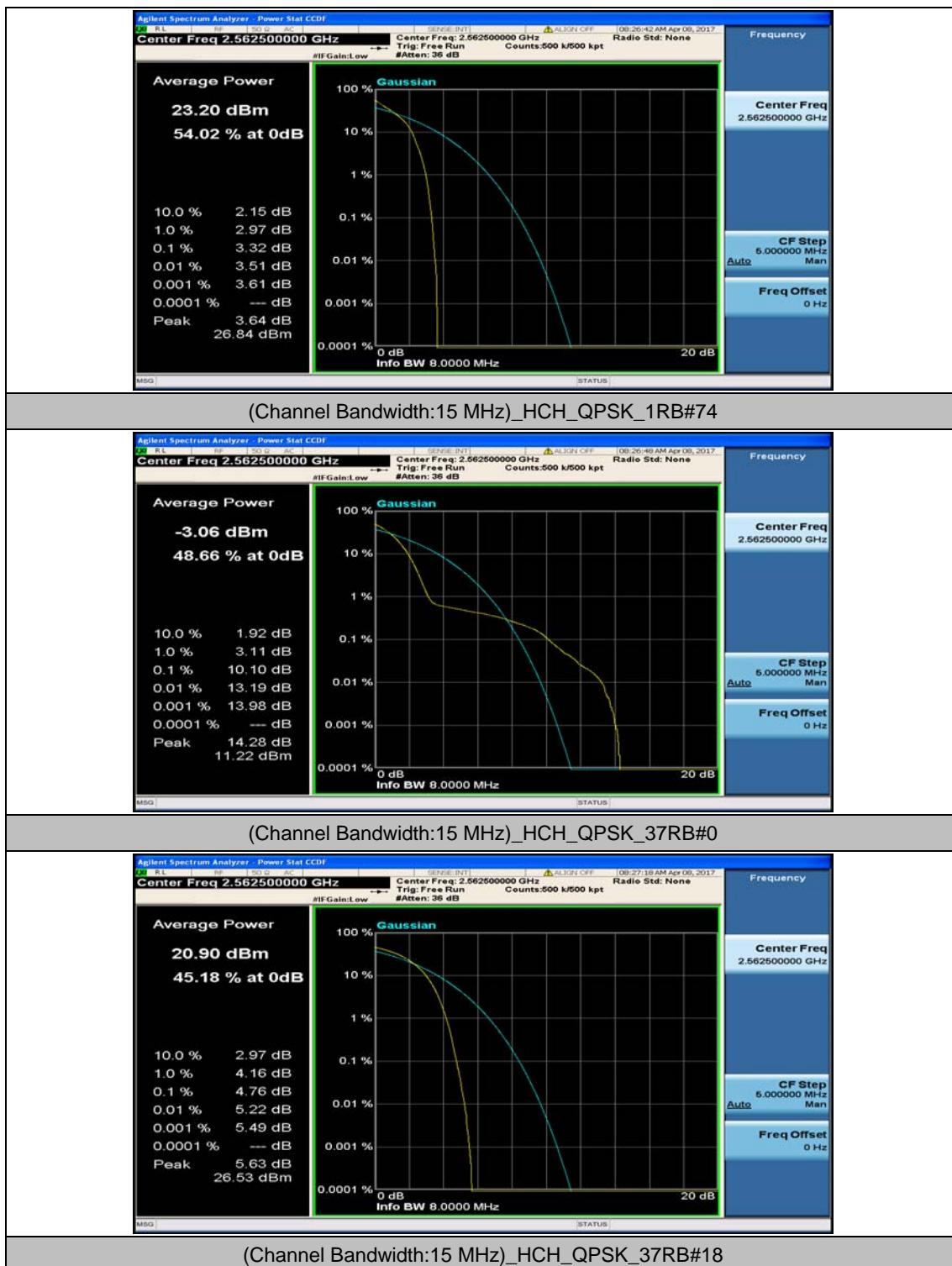


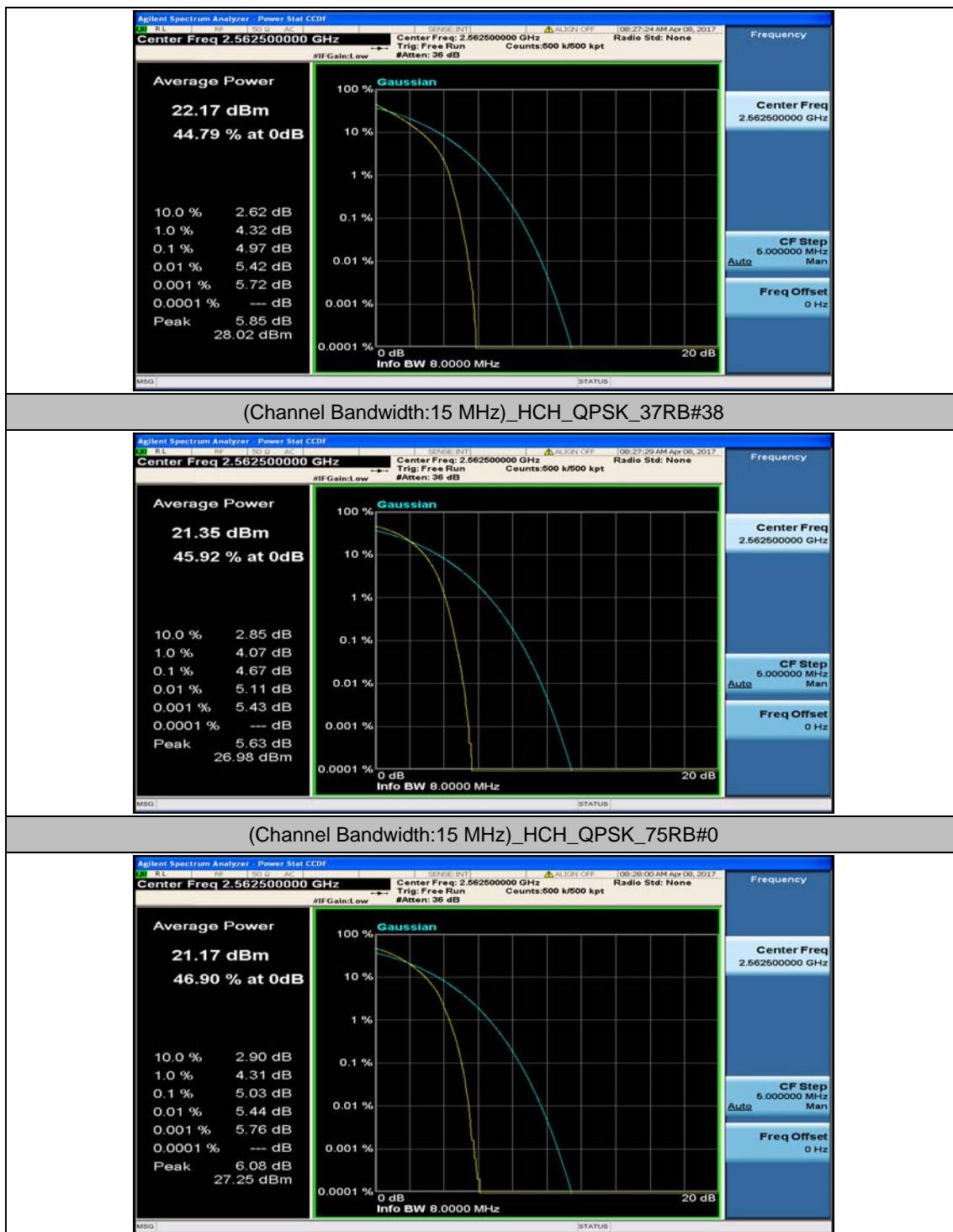


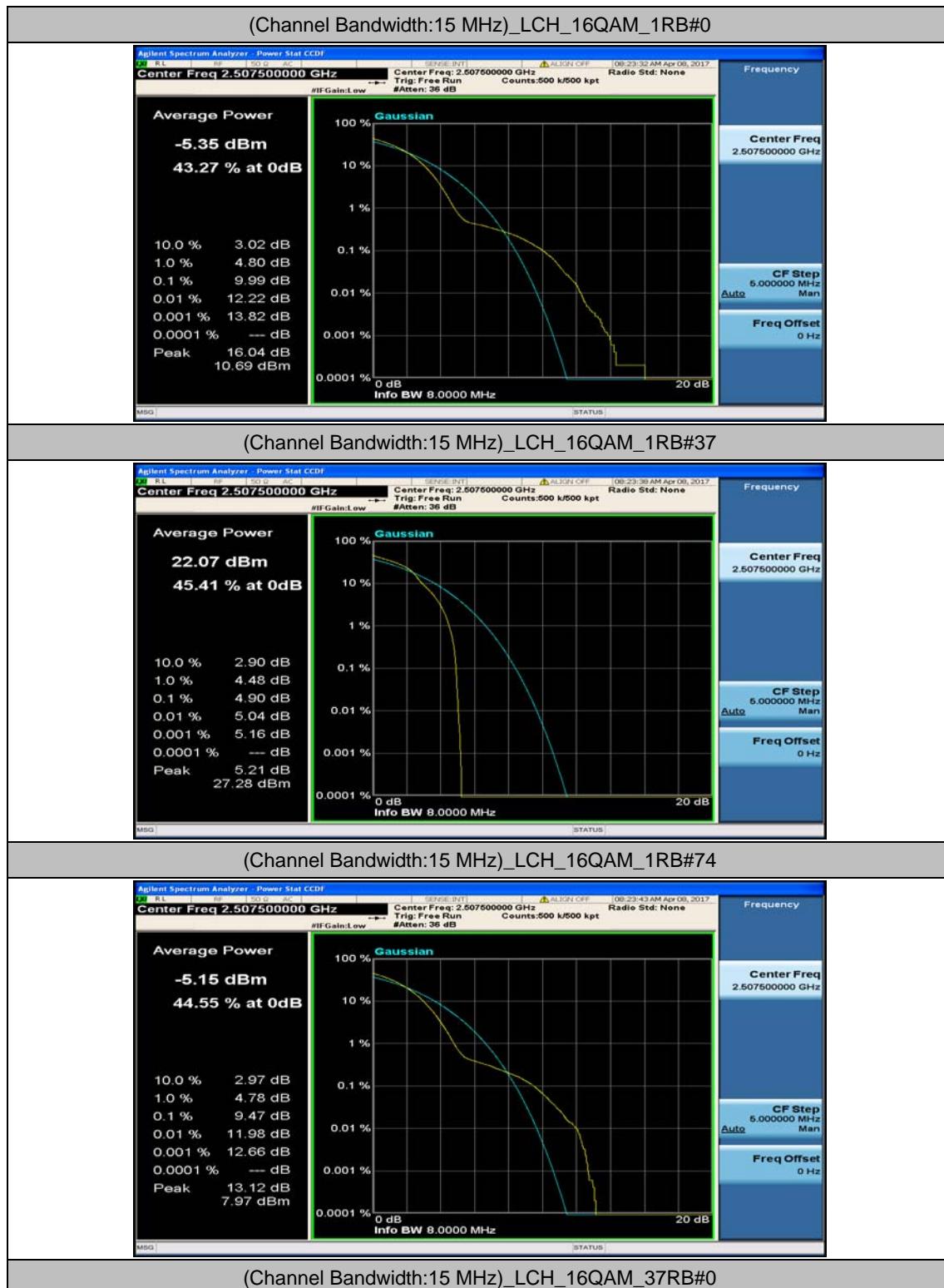


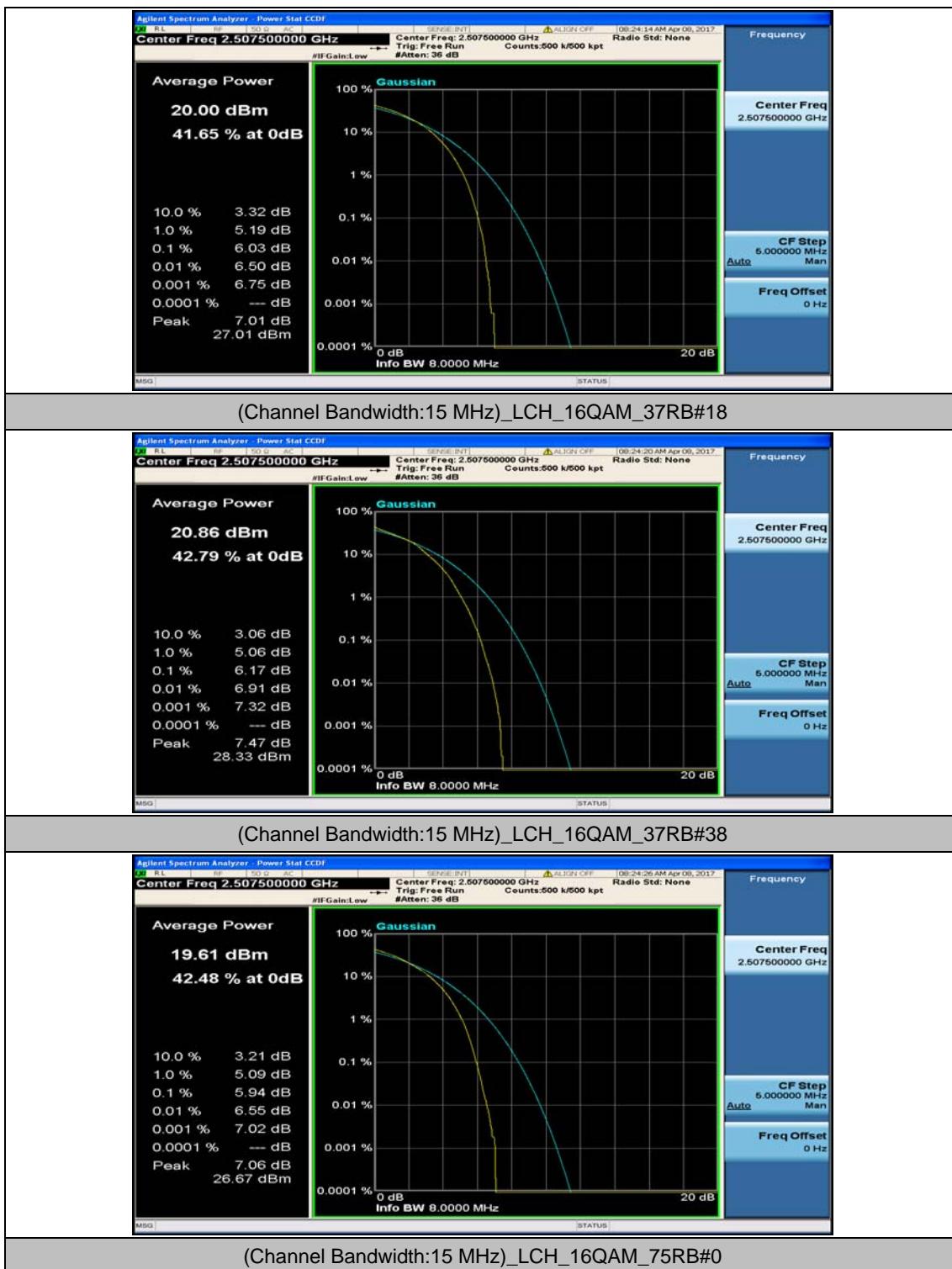


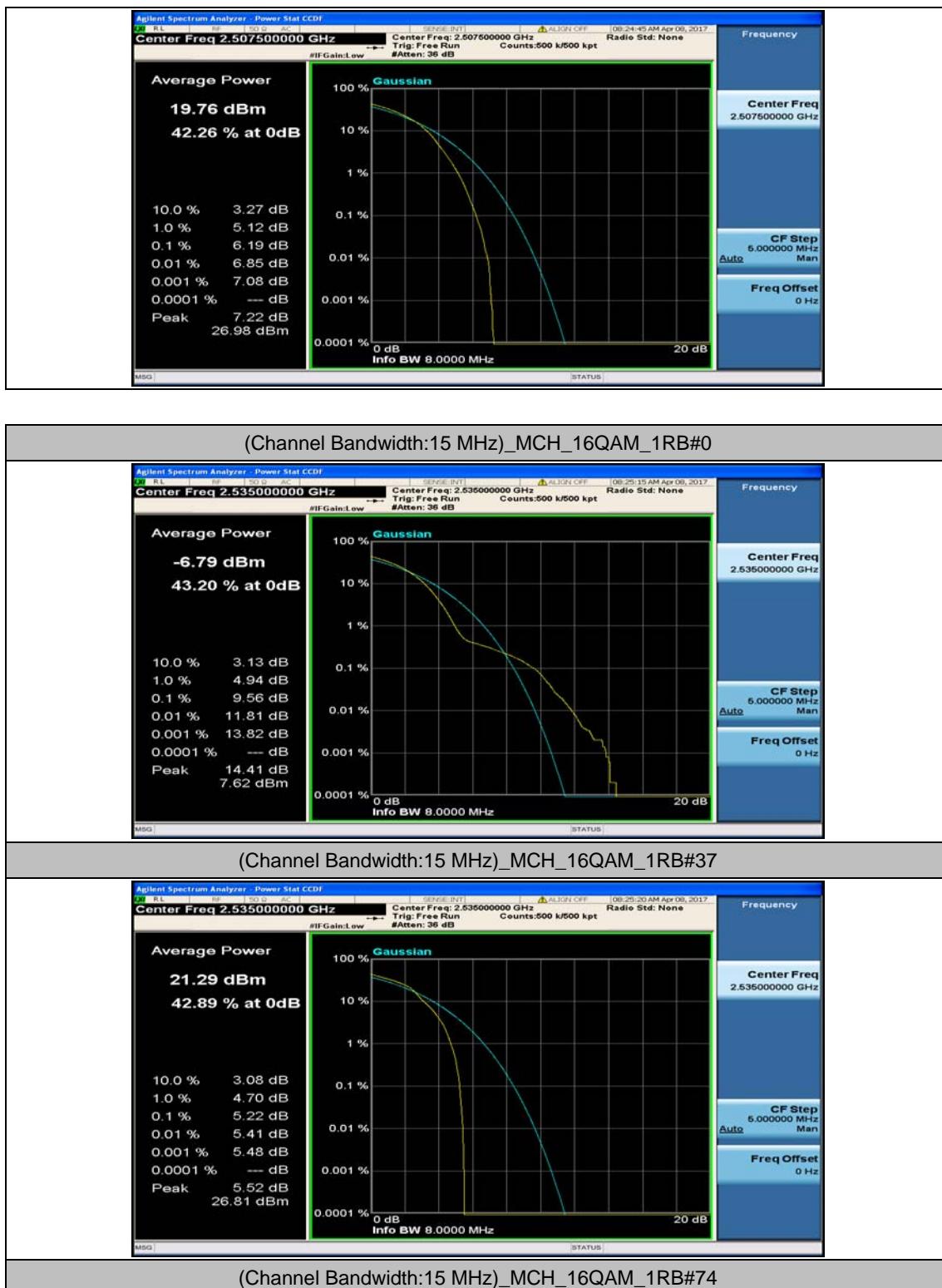


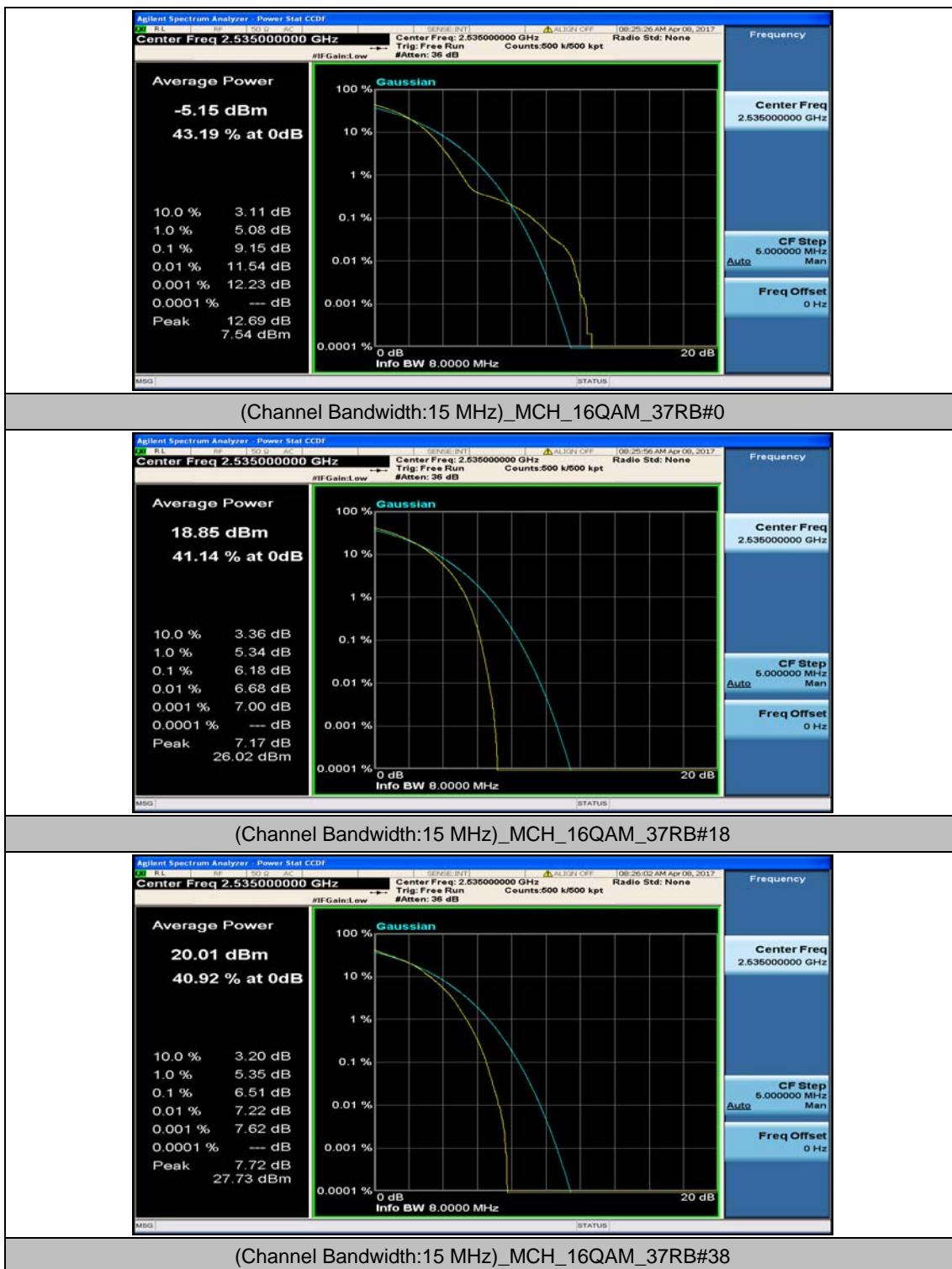


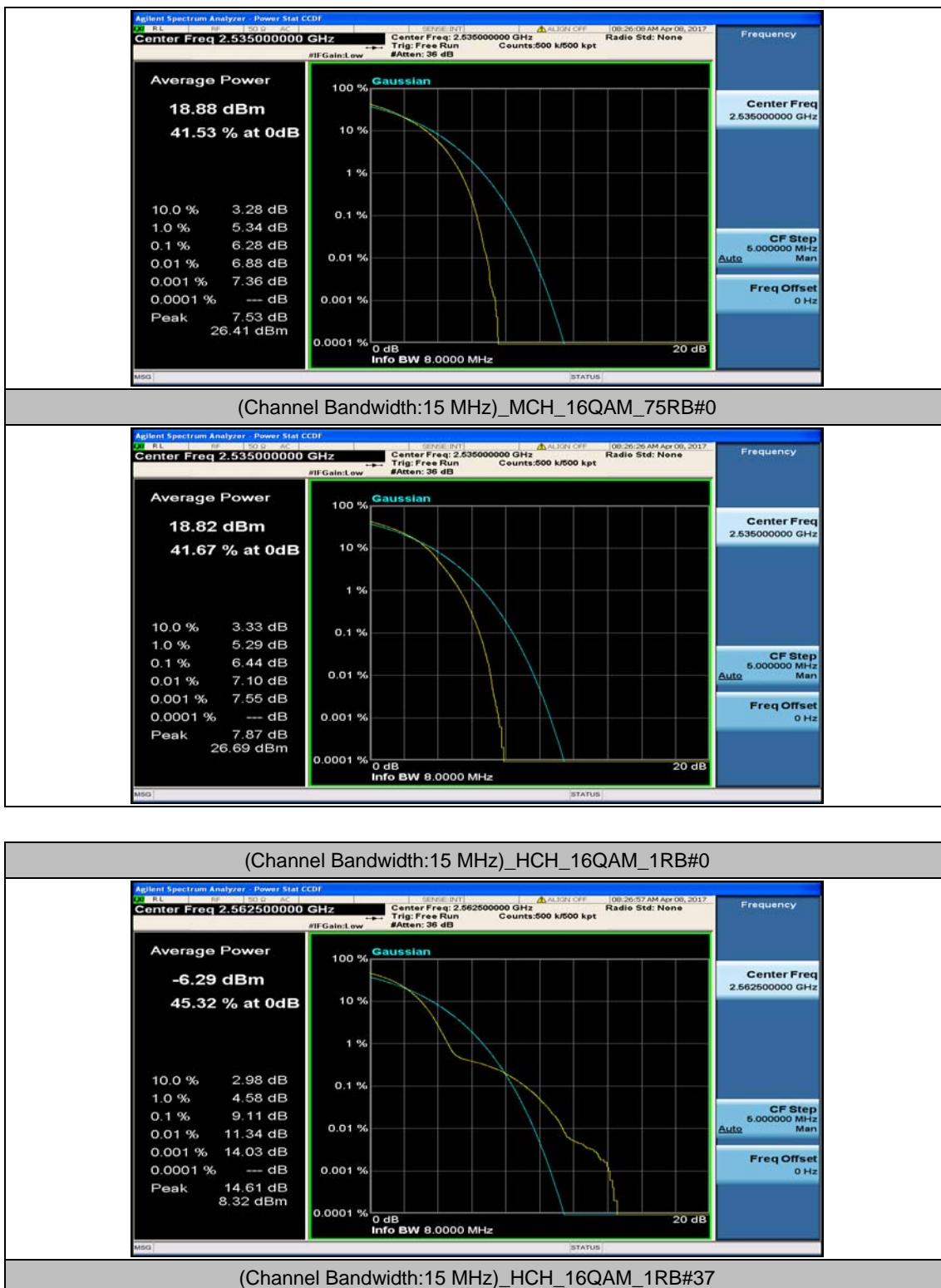


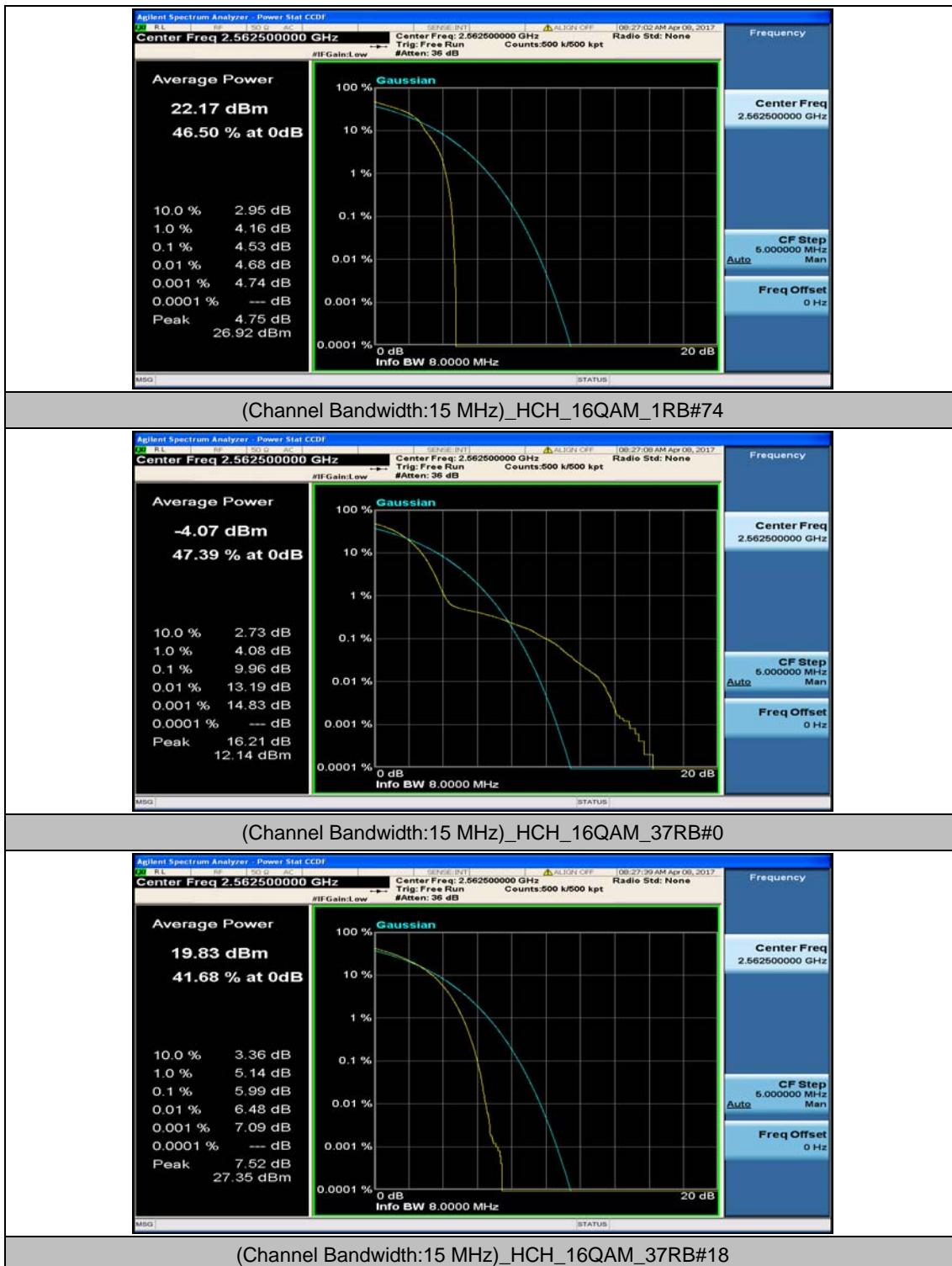


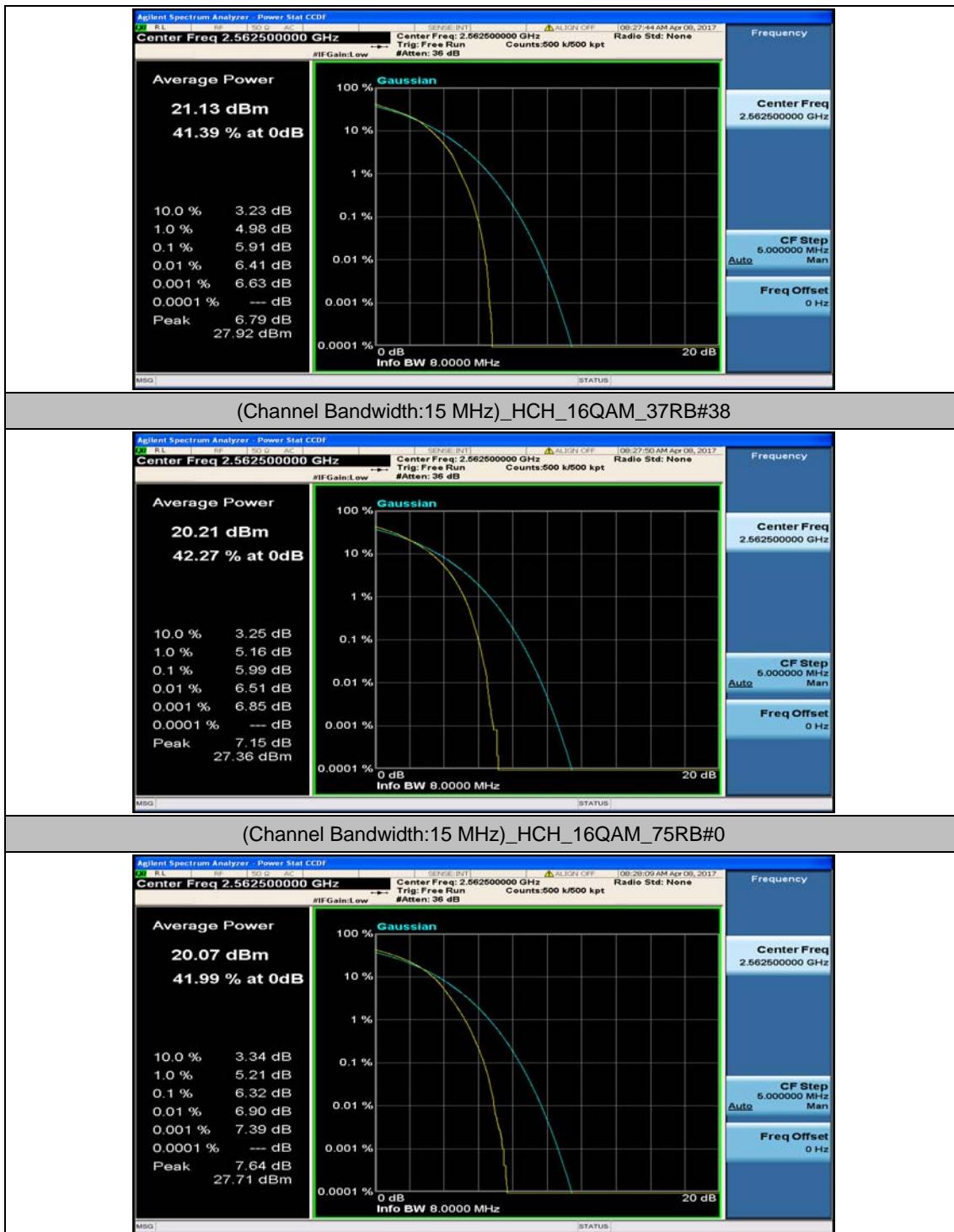




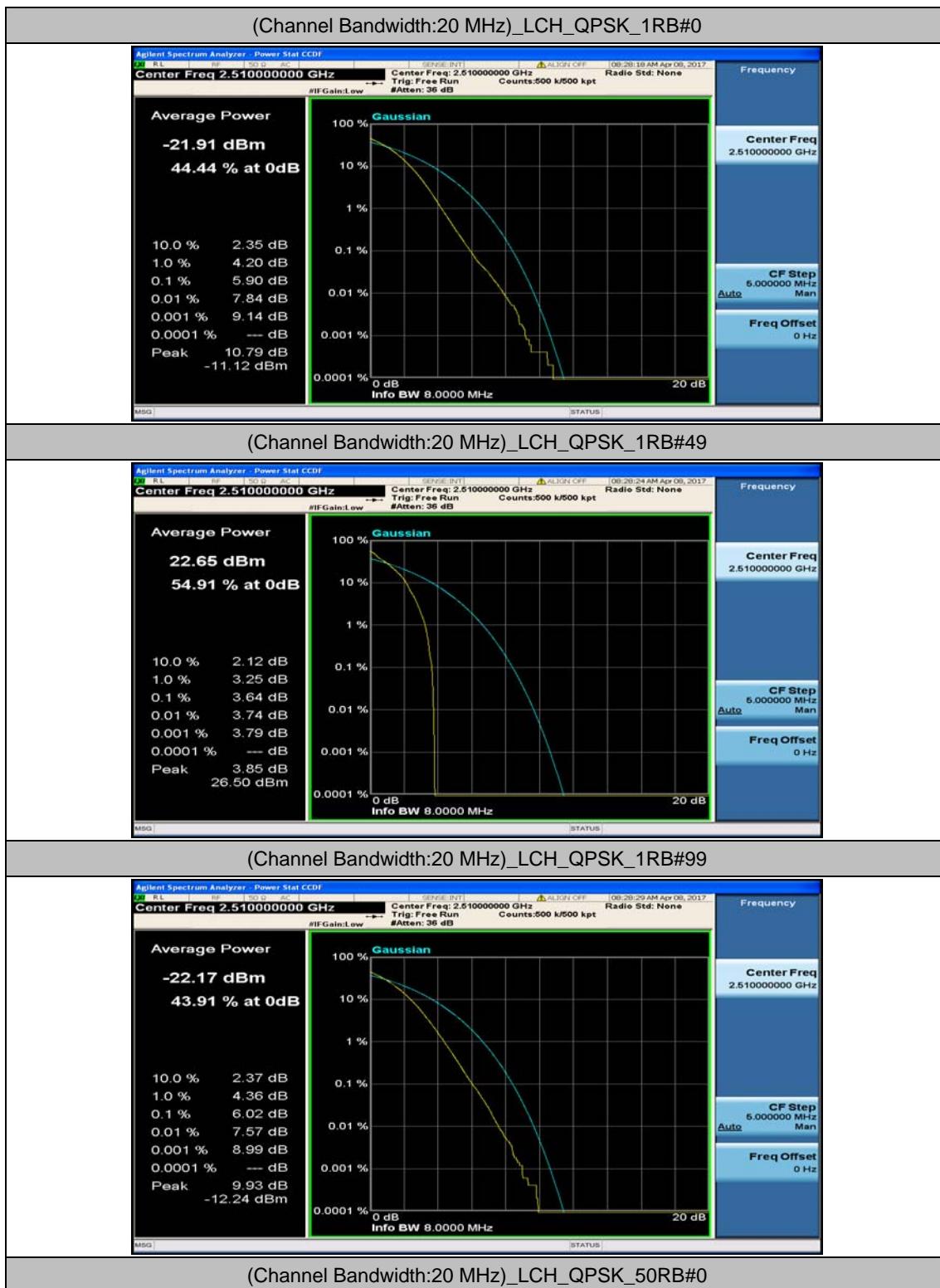


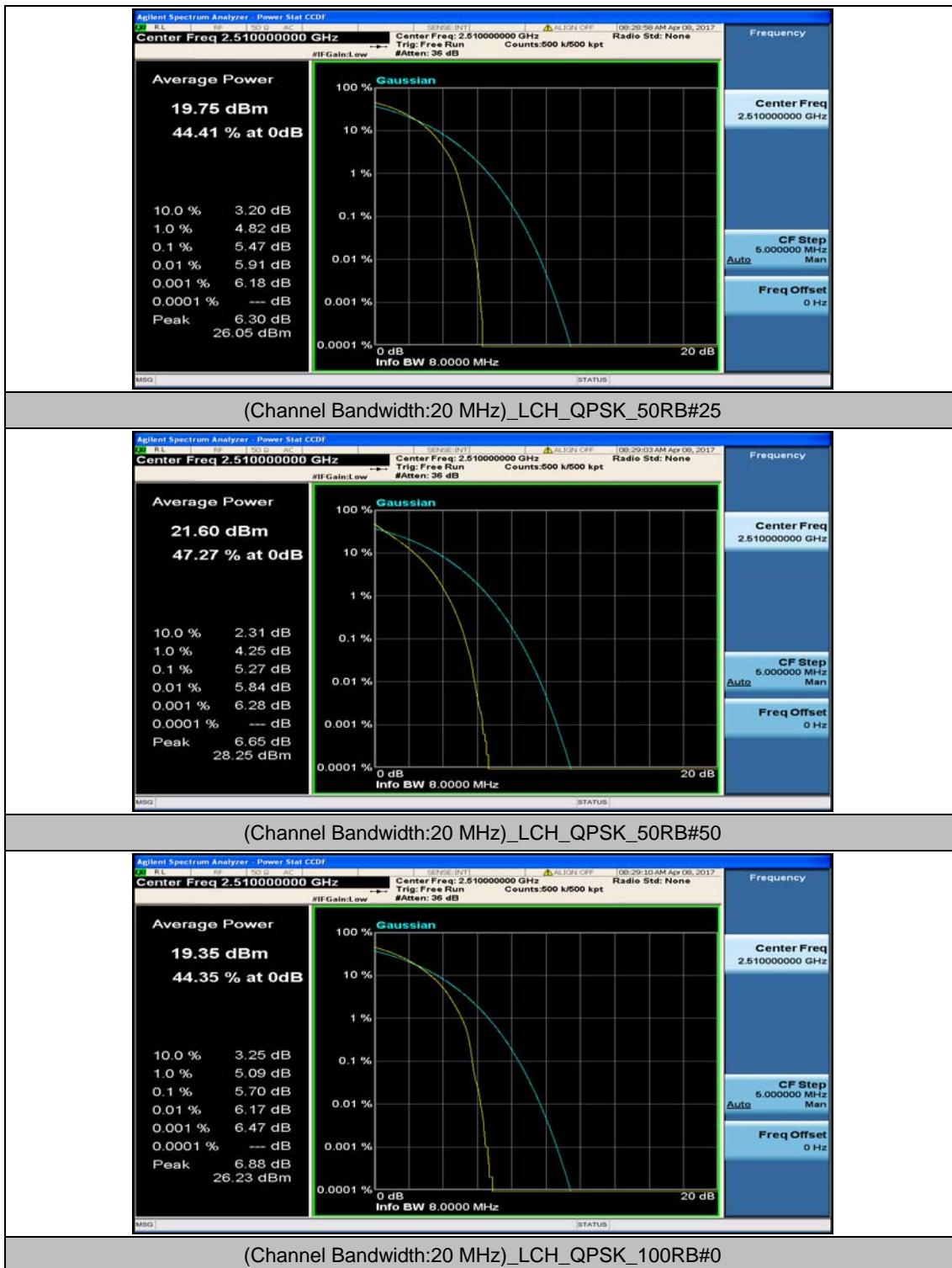


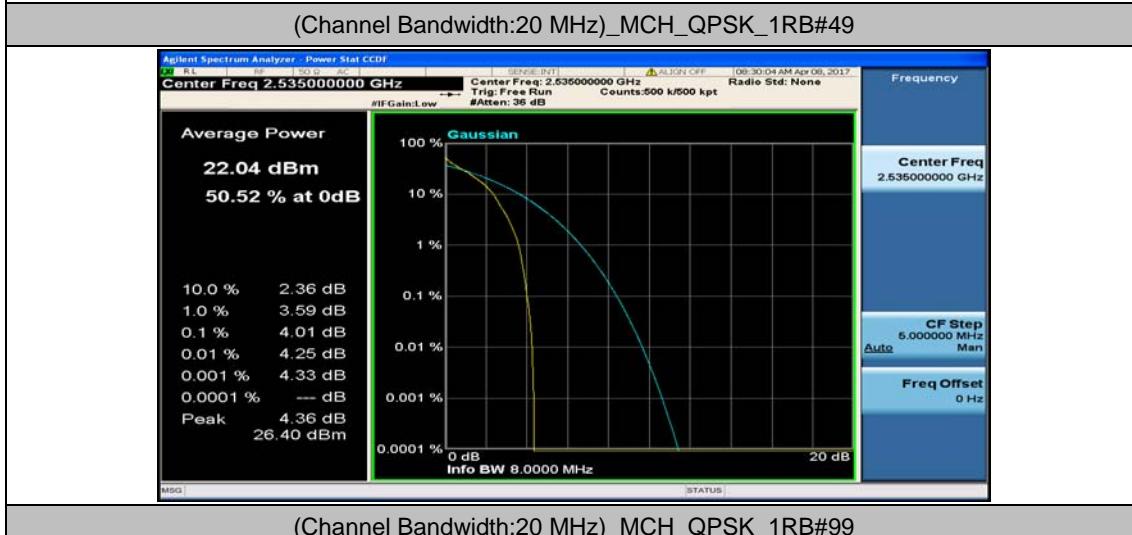
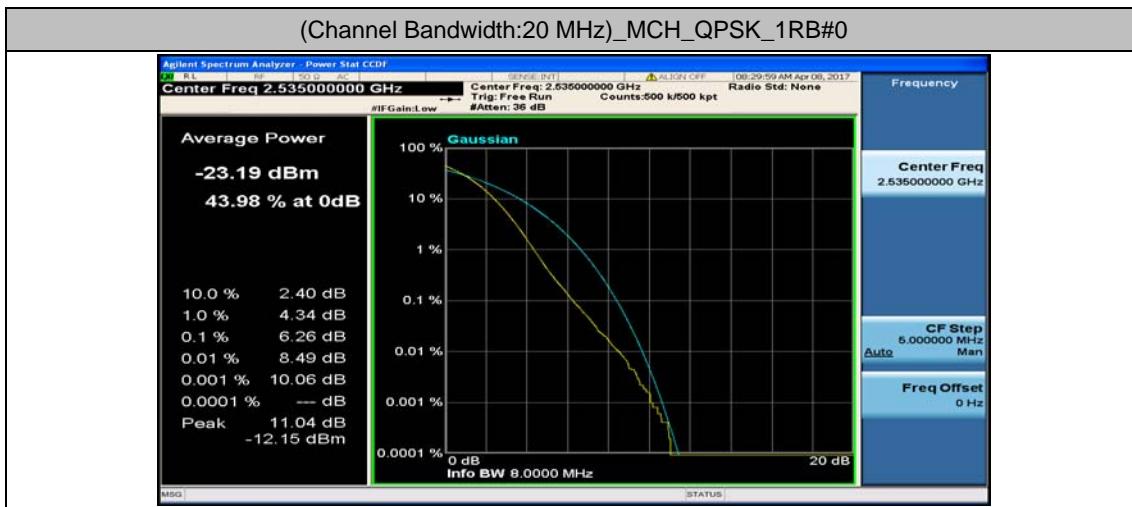




## Channel Bandwidth: 20 MHz







(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#99