

## 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	22.30	PASS
		1	3	22.11	PASS
		1	5	22.31	PASS
		3	0	22.02	PASS
		3	2	22.05	PASS
		3	3	22.11	PASS
		6	0	21.66	PASS
	MCH	1	0	22.32	PASS
		1	3	22.26	PASS
		1	5	22.33	PASS
		3	0	22.42	PASS
		3	2	22.40	PASS
		3	3	22.39	PASS
		6	0	21.35	PASS
16QAM	HCH	1	0	23.24	PASS
		1	3	23.23	PASS
		1	5	23.22	PASS
		3	0	23.30	PASS
		3	2	23.26	PASS
		3	3	23.28	PASS
		6	0	22.29	PASS
	LCH	1	0	21.63	PASS
		1	3	21.56	PASS
		1	5	21.75	PASS
		3	0	21.52	PASS
		3	2	21.61	PASS
		3	3	21.67	PASS
		6	0	20.79	PASS
	MCH	1	0	21.55	PASS
		1	3	21.62	PASS
		1	5	21.58	PASS
		3	0	21.45	PASS
		3	2	21.43	PASS

		3	3	21.48	PASS
		6	0	20.48	PASS
HCH	HCH	1	0	22.42	PASS
		1	3	22.31	PASS
		1	5	22.23	PASS
		3	0	22.21	PASS
		3	2	22.33	PASS
		3	3	22.36	PASS
		6	0	21.23	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.28	PASS
		1	7	22.15	PASS
		1	14	22.31	PASS
		8	0	21.24	PASS
		8	4	21.29	PASS
		8	7	21.37	PASS
		15	0	21.27	PASS
	MCH	1	0	22.31	PASS
		1	7	22.37	PASS
		1	14	22.32	PASS
		8	0	21.40	PASS
		8	4	21.39	PASS
		8	7	21.40	PASS
		15	0	21.35	PASS
16QAM	LCH	1	0	23.22	PASS
		1	7	23.25	PASS
		1	14	23.21	PASS
		8	0	22.31	PASS
		8	4	22.31	PASS
		8	7	22.3	PASS
		15	0	22.27	PASS
		1	0	21.55	PASS
	MCH	1	7	21.47	PASS
		1	14	21.66	PASS
		8	0	20.43	PASS
		8	4	20.51	PASS
		8	7	20.58	PASS
		15	0	20.51	PASS

		1	7	21.68	PASS
		1	14	21.68	PASS
		8	0	20.41	PASS
		8	4	20.36	PASS
		8	7	20.40	PASS
		15	0	20.38	PASS
	HCH	1	0	22.44	PASS
		1	7	22.30	PASS
		1	14	22.23	PASS
		8	0	21.25	PASS
		8	4	21.27	PASS
		8	7	21.25	PASS
		15	0	21.30	PASS

### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.57	PASS
		1	12	22.05	PASS
		1	24	22.71	PASS
		12	0	21.21	PASS
		12	6	21.09	PASS
		12	13	21.33	PASS
		25	0	21.24	PASS
	MCH	1	0	22.42	PASS
		1	12	22.43	PASS
		1	24	22.41	PASS
		12	0	21.43	PASS
		12	6	21.40	PASS
		12	13	21.44	PASS
		25	0	21.37	PASS
	HCH	1	0	23.25	PASS
		1	12	23.34	PASS
		1	24	23.29	PASS
		12	0	22.29	PASS
		12	6	22.32	PASS
		12	13	22.32	PASS
		25	0	22.24	PASS
16QAM	LCH	1	0	21.81	PASS
		1	12	21.35	PASS
		1	24	22.05	PASS
		12	0	20.39	PASS

		12	6	20.29	PASS
		12	13	20.53	PASS
		25	0	20.36	PASS
MCH		1	0	21.57	PASS
		1	12	21.67	PASS
		1	24	21.67	PASS
		12	0	20.55	PASS
		12	6	20.55	PASS
		12	13	20.57	PASS
		25	0	20.40	PASS
HCH		1	0	22.41	PASS
		1	12	22.49	PASS
		1	24	22.46	PASS
		12	0	21.31	PASS
		12	6	21.34	PASS
		12	13	21.32	PASS
		25	0	21.31	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.33	PASS
		1	24	22.65	PASS
		1	49	22.72	PASS
		25	0	21.58	PASS
		25	12	21.80	PASS
		25	25	21.85	PASS
		50	0	21.93	PASS
	MCH	1	0	22.43	PASS
		1	24	22.34	PASS
		1	49	22.47	PASS
		25	0	21.38	PASS
		25	12	21.38	PASS
		25	25	21.44	PASS
		50	0	21.40	PASS
	HCH	1	0	22.96	PASS
		1	24	23.14	PASS
		1	49	23.21	PASS
		25	0	22.06	PASS
		25	12	22.14	PASS
		25	25	22.19	PASS
		50	0	22.14	PASS

16QAM	LCH	1	0	21.62	PASS
		1	24	21.98	PASS
		1	49	21.85	PASS
		25	0	20.66	PASS
		25	12	20.87	PASS
		25	25	20.85	PASS
		50	0	20.98	PASS
	MCH	1	0	21.66	PASS
		1	24	21.73	PASS
		1	49	21.86	PASS
		25	0	20.42	PASS
		25	12	20.44	PASS
		25	25	20.49	PASS
		50	0	20.47	PASS
	HCH	1	0	22.22	PASS
		1	24	22.39	PASS
		1	49	22.37	PASS
		25	0	21.08	PASS
		25	12	21.16	PASS
		25	25	21.23	PASS
		50	0	21.21	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.60	PASS
		1	37	22.79	PASS
		1	74	22.57	PASS
		37	0	21.94	PASS
		37	18	22.00	PASS
		37	38	21.88	PASS
		75	0	21.98	PASS
	MCH	1	0	22.59	PASS
		1	37	22.36	PASS
		1	74	22.59	PASS
		37	0	21.58	PASS
		37	18	21.51	PASS
		37	38	21.54	PASS
		75	0	21.54	PASS
	HCH	1	0	22.67	PASS
		1	37	23.07	PASS
		1	74	23.27	PASS

		37	0	21.94	PASS
		37	18	22.12	PASS
		37	38	22.26	PASS
		75	0	22.10	PASS
16QAM	LCH	1	0	21.91	PASS
		1	37	21.99	PASS
		1	74	21.66	PASS
		37	0	21.01	PASS
		37	18	20.93	PASS
		37	38	20.77	PASS
		75	0	20.91	PASS
	MCH	1	0	21.65	PASS
		1	37	21.67	PASS
		1	74	21.88	PASS
		37	0	20.51	PASS
		37	18	20.5	PASS
		37	38	20.58	PASS
		75	0	20.50	PASS
	HCH	1	0	21.91	PASS
		1	37	22.36	PASS
		1	74	22.48	PASS
		37	0	20.91	PASS
		37	18	21.09	PASS
		37	38	21.23	PASS
		75	0	21.08	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.95	PASS
		1	49	22.78	PASS
		1	99	22.52	PASS
		50	0	21.91	PASS
		50	25	21.71	PASS
		50	50	21.55	PASS
		100	0	21.69	PASS
	MCH	1	0	22.92	PASS
		1	49	22.41	PASS
		1	99	22.77	PASS
		50	0	21.46	PASS
		50	25	21.41	PASS
		50	50	21.56	PASS

		100	0	21.5	PASS
	HCH	1	0	23.38	PASS
		1	49	22.81	PASS
		1	99	22.49	PASS
		50	0	21.69	PASS
		50	25	21.93	PASS
		50	50	22.33	PASS
		100	0	22.11	PASS
	LCH	1	0	21.95	PASS
		1	49	21.87	PASS
		1	99	21.61	PASS
		50	0	20.89	PASS
		50	25	20.69	PASS
		50	50	20.52	PASS
		100	0	20.66	PASS
	MCH	1	0	21.81	PASS
		1	49	21.75	PASS
		1	99	22.12	PASS
		50	0	20.52	PASS
		50	25	20.5	PASS
		50	50	20.62	PASS
		100	0	20.51	PASS
	HCH	1	0	21.67	PASS
		1	49	22.12	PASS
		1	99	22.46	PASS
		50	0	20.73	PASS
		50	25	20.95	PASS
		50	50	21.15	PASS
		100	0	20.95	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	3.66	<13	PASS
		1	3	3.73	<13	PASS
		1	5	3.73	<13	PASS
		3	0	3.71	<13	PASS
		3	2	3.76	<13	PASS
		3	3	3.76	<13	PASS
		6	0	4.75	<13	PASS
	MCH	1	0	3.8	<13	PASS
		1	3	3.85	<13	PASS
		1	5	3.91	<13	PASS
		3	0	3.84	<13	PASS
		3	2	3.87	<13	PASS
		3	3	3.92	<13	PASS
		6	0	4.84	<13	PASS
16QAM	LCH	1	0	4.03	<13	PASS
		1	3	4.12	<13	PASS
		1	5	4.00	<13	PASS
		3	0	4.02	<13	PASS
		3	2	4.00	<13	PASS
		3	3	3.95	<13	PASS
		6	0	5.00	<13	PASS
	MCH	1	0	4.69	<13	PASS
		1	3	4.71	<13	PASS
		1	5	4.74	<13	PASS
		3	0	4.63	<13	PASS
		3	2	4.71	<13	PASS
		3	3	4.71	<13	PASS
		6	0	5.66	<13	PASS

		3	2	4.76	<13	PASS
		3	3	4.71	<13	PASS
		6	0	5.64	<13	PASS
HCH		1	0	5.04	<13	PASS
		1	3	4.98	<13	PASS
		1	5	5.05	<13	PASS
		3	0	4.98	<13	PASS
		3	2	4.96	<13	PASS
		3	3	4.96	<13	PASS
		6	0	5.91	<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	3.86	<13	PASS
		1	7	3.91	<13	PASS
		1	14	3.96	<13	PASS
		8	0	4.79	<13	PASS
		8	4	4.86	<13	PASS
		8	7	4.87	<13	PASS
		15	0	4.91	<13	PASS
	MCH	1	0	3.73	<13	PASS
		1	7	3.78	<13	PASS
		1	14	3.96	<13	PASS
		8	0	4.82	<13	PASS
		8	4	4.85	<13	PASS
		8	7	4.95	<13	PASS
		15	0	4.98	<13	PASS
	HCH	1	0	4.07	<13	PASS
		1	7	4.05	<13	PASS
		1	14	4.15	<13	PASS
		8	0	5.02	<13	PASS
		8	4	4.99	<13	PASS
		8	7	5.01	<13	PASS
		15	0	5.13	<13	PASS
16QAM	LCH	1	0	4.65	<13	PASS
		1	7	4.68	<13	PASS
		1	14	4.80	<13	PASS
		8	0	5.57	<13	PASS
		8	4	5.60	<13	PASS

		8	7	5.63	<13	PASS
		15	0	5.76	<13	PASS
MCH		1	0	4.70	<13	PASS
		1	7	4.78	<13	PASS
		1	14	4.83	<13	PASS
		8	0	5.57	<13	PASS
		8	4	5.62	<13	PASS
		8	7	5.66	<13	PASS
		15	0	5.82	<13	PASS
HCH		1	0	5.06	<13	PASS
		1	7	5.12	<13	PASS
		1	14	5.01	<13	PASS
		8	0	5.98	<13	PASS
		8	4	6.00	<13	PASS
		8	7	5.98	<13	PASS
		15	0	5.92	<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	3.91	<13	PASS
		1	12	4.02	<13	PASS
		1	24	4.03	<13	PASS
		12	0	4.88	<13	PASS
		12	6	4.90	<13	PASS
		12	13	4.92	<13	PASS
		25	0	4.99	<13	PASS
	MCH	1	0	3.71	<13	PASS
		1	12	3.88	<13	PASS
		1	24	4.05	<13	PASS
		12	0	4.79	<13	PASS
		12	6	4.8	<13	PASS
		12	13	4.9	<13	PASS
		25	0	4.94	<13	PASS
	HCH	1	0	4.00	<13	PASS
		1	12	3.97	<13	PASS
		1	24	4.05	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.08	<13	PASS
		12	13	5.10	<13	PASS

		25	0	5.19	<13	PASS
16QAM	LCH	1	0	4.69	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.84	<13	PASS
		12	0	5.76	<13	PASS
		12	6	5.84	<13	PASS
		12	13	5.76	<13	PASS
		25	0	5.79	<13	PASS
	MCH	1	0	4.64	<13	PASS
		1	12	4.92	<13	PASS
		1	24	4.98	<13	PASS
		12	0	5.66	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.71	<13	PASS
		25	0	5.77	<13	PASS
	HCH	1	0	4.98	<13	PASS
		1	12	4.89	<13	PASS
		1	24	4.75	<13	PASS
		12	0	5.92	<13	PASS
		12	6	5.95	<13	PASS
		12	13	5.87	<13	PASS
		25	0	5.99	<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	4.01	<13	PASS
		1	24	3.92	<13	PASS
		1	49	3.81	<13	PASS
		25	0	4.93	<13	PASS
		25	12	4.99	<13	PASS
		25	25	4.92	<13	PASS
		50	0	5.00	<13	PASS
	MCH	1	0	3.46	<13	PASS
		1	24	3.78	<13	PASS
		1	49	4.02	<13	PASS
		25	0	4.82	<13	PASS
		25	12	4.93	<13	PASS
		25	25	5.06	<13	PASS
		50	0	4.97	<13	PASS

		1	0	4.06	<13	PASS
	HCH	1	24	4.52	<13	PASS
		1	49	4.01	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.09	<13	PASS
		25	25	5.09	<13	PASS
		50	0	5.19	<13	PASS
		1	0	4.67	<13	PASS
	LCH	1	24	4.86	<13	PASS
		1	49	4.73	<13	PASS
		25	0	5.82	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.77	<13	PASS
		50	0	5.84	<13	PASS
		1	0	4.50	<13	PASS
	MCH	1	24	4.72	<13	PASS
		1	49	4.95	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.86	<13	PASS
		25	25	5.87	<13	PASS
		50	0	5.8	<13	PASS
		1	0	5.12	<13	PASS
	HCH	1	24	5.00	<13	PASS
		1	49	4.95	<13	PASS
		25	0	6.03	<13	PASS
		25	12	6.05	<13	PASS
		25	25	6.12	<13	PASS
		50	0	6.04	<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	3.78	<13	PASS
		1	37	3.89	<13	PASS
		1	74	3.57	<13	PASS
		37	0	4.96	<13	PASS
		37	18	4.85	<13	PASS
		37	38	4.71	<13	PASS
		75	0	5.24	<13	PASS
	MCH	1	0	3.54	<13	PASS

	16QAM	HCH	1	37	3.88	<13	PASS
			1	74	4.17	<13	PASS
			37	0	4.71	<13	PASS
			37	18	4.84	<13	PASS
			37	38	5.05	<13	PASS
			75	0	5.34	<13	PASS
		LCH	1	0	4.32	<13	PASS
			1	37	4.11	<13	PASS
			1	74	4.08	<13	PASS
			37	0	5.13	<13	PASS
			37	18	5.11	<13	PASS
			37	38	5.13	<13	PASS
			75	0	5.49	<13	PASS
		MCH	1	0	4.65	<13	PASS
			1	37	4.79	<13	PASS
			1	74	4.59	<13	PASS
			37	0	5.83	<13	PASS
			37	18	5.77	<13	PASS
			37	38	5.59	<13	PASS
			75	0	5.99	<13	PASS
		HCH	1	0	4.56	<13	PASS
			1	37	4.84	<13	PASS
			1	74	5.18	<13	PASS
			37	0	5.7	<13	PASS
			37	18	6.02	<13	PASS
			37	38	5.96	<13	PASS
			75	0	6.00	<13	PASS
		LCH	1	0	5.08	<13	PASS
			1	37	5.02	<13	PASS
			1	74	4.98	<13	PASS
			37	0	5.99	<13	PASS
			37	18	5.98	<13	PASS
			37	38	5.99	<13	PASS
			75	0	6.16	<13	PASS

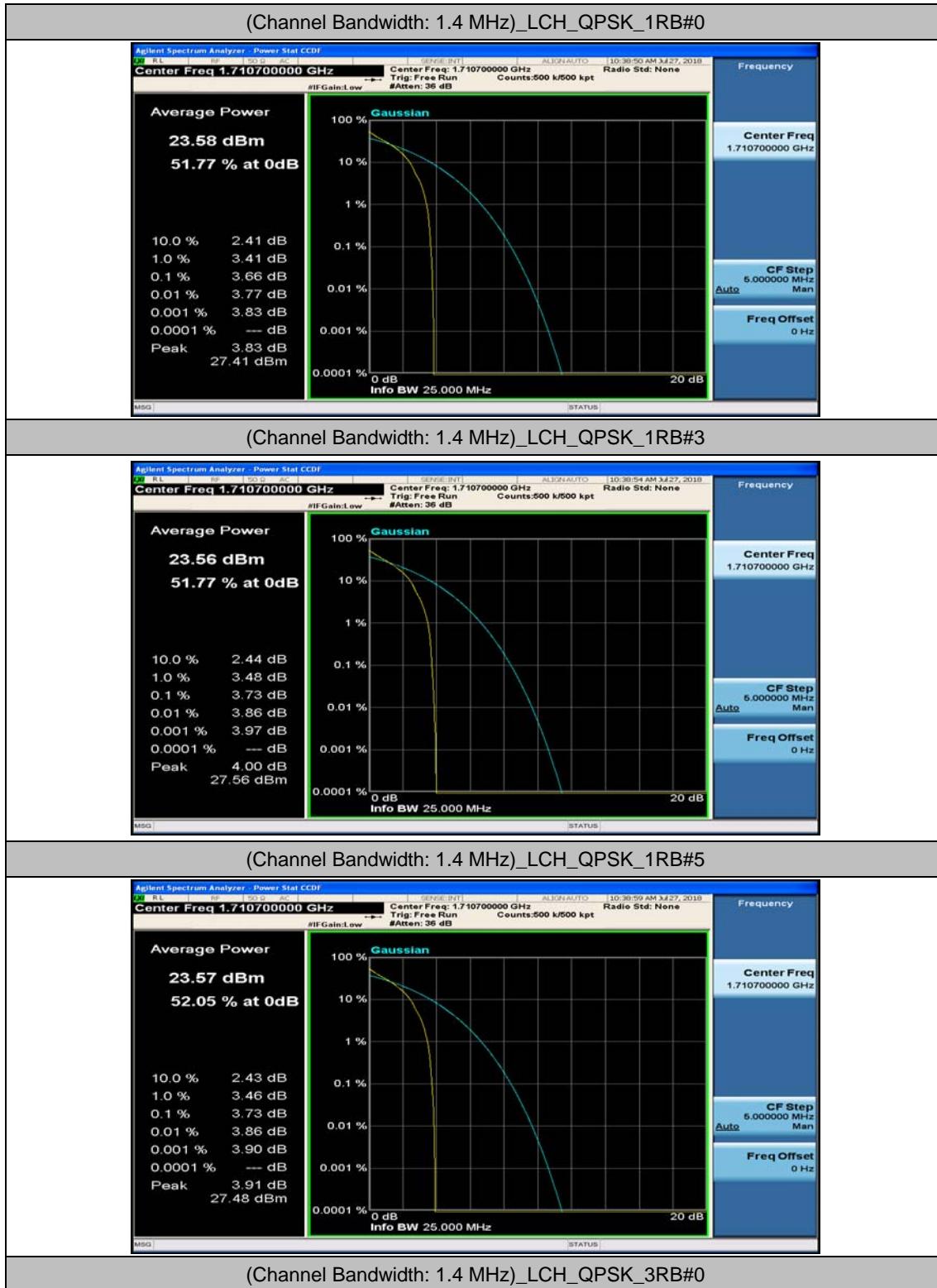
### Channel Bandwidth: 20 MHz

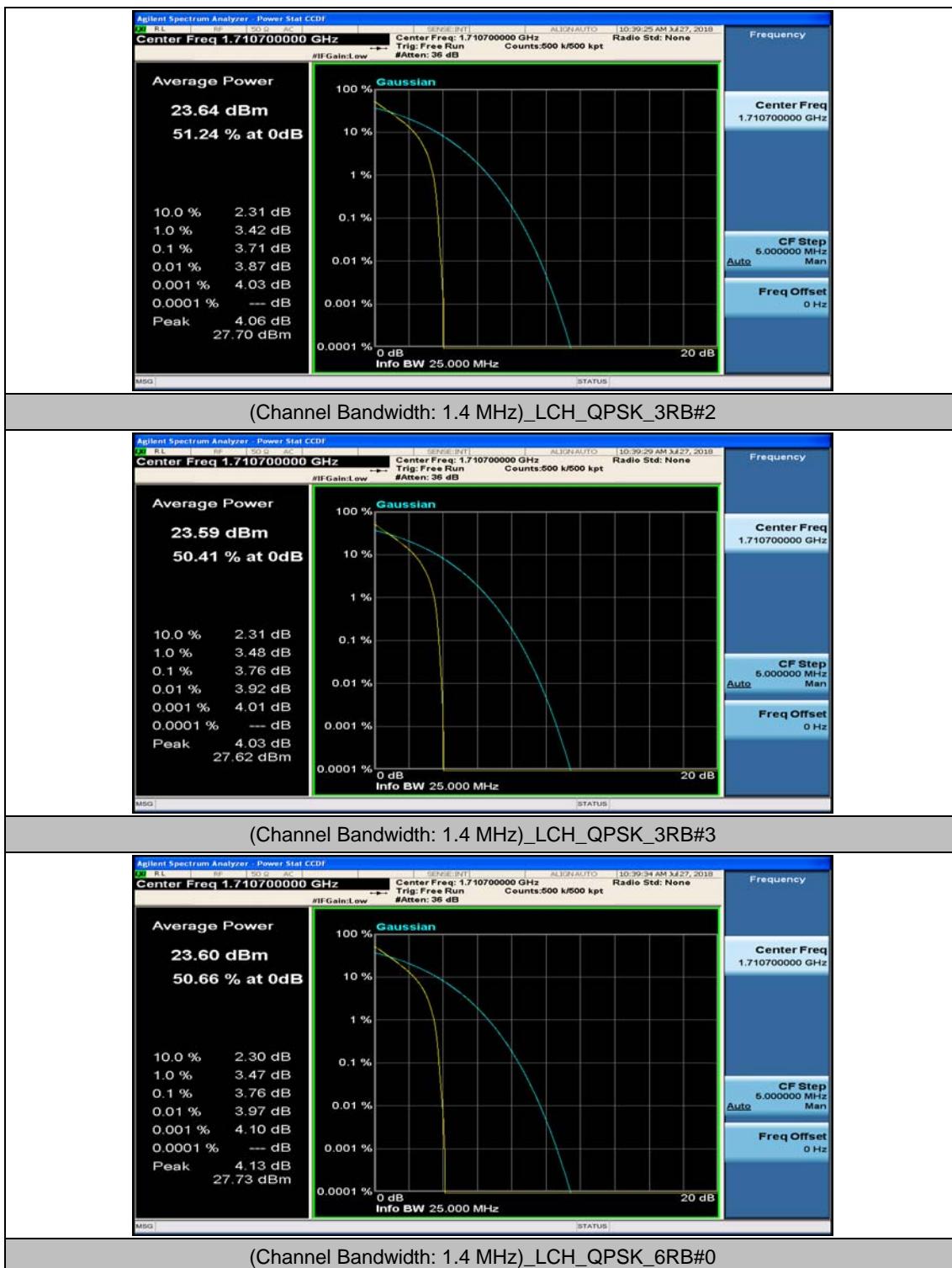
Channel Bandwidth: 20 MHz							
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict	
		Size	Offset				
QPSK	LCH	1	0	3.76	<13	PASS	
		1	49	3.70	<13	PASS	

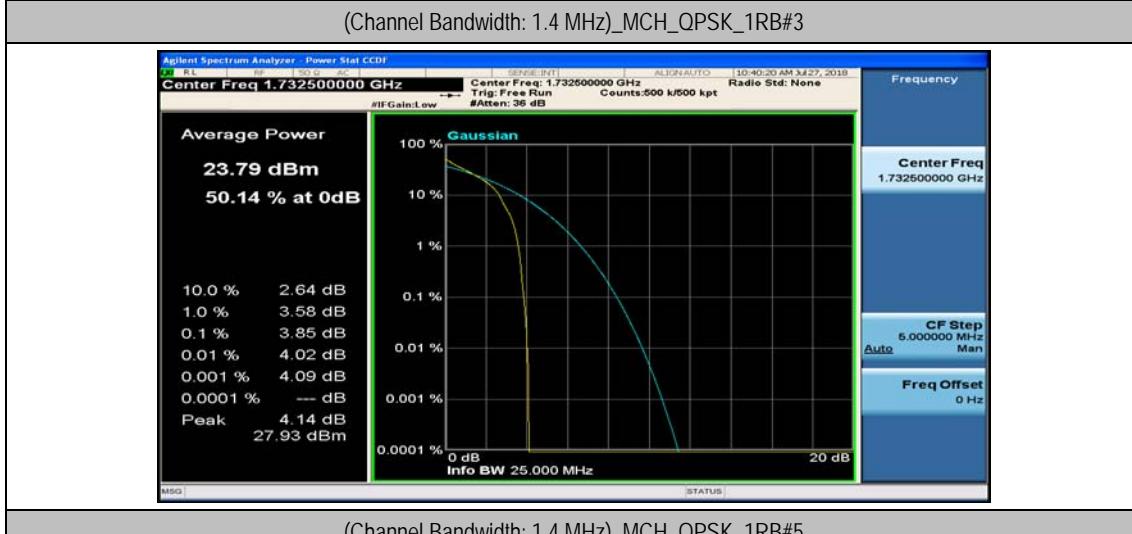
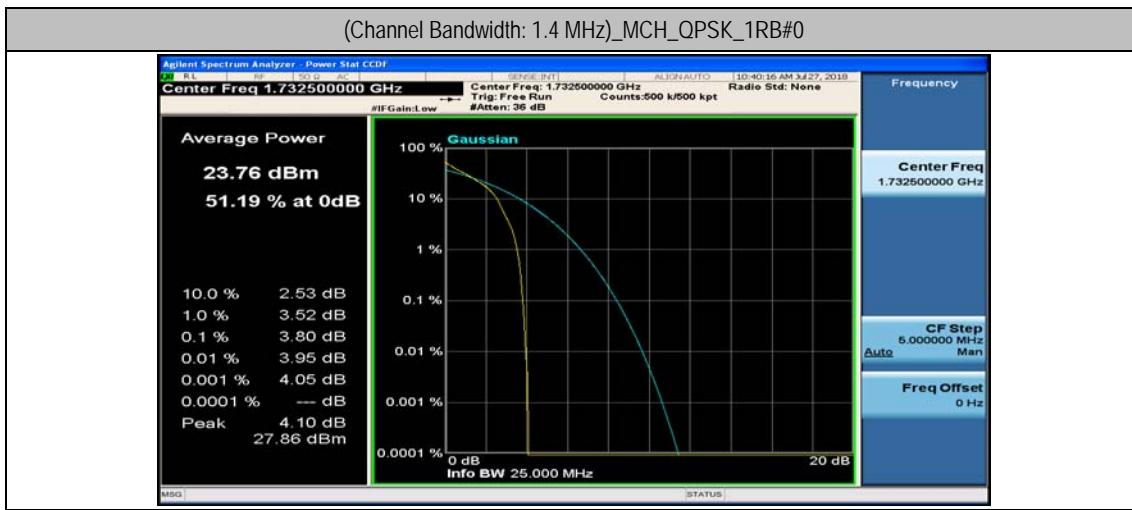
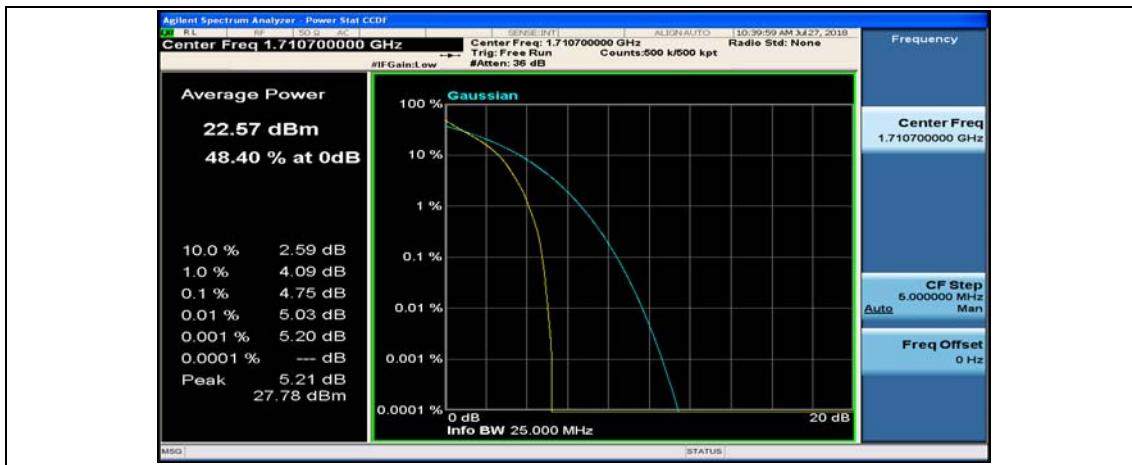
		1	99	3.59	<13	PASS
		50	0	5.01	<13	PASS
		50	25	4.84	<13	PASS
		50	50	4.82	<13	PASS
		100	0	5.15	<13	PASS
	MCH	1	0	3.57	<13	PASS
		1	49	3.86	<13	PASS
		1	99	4.22	<13	PASS
		50	0	4.82	<13	PASS
		50	25	4.99	<13	PASS
		50	50	5.19	<13	PASS
		100	0	5.27	<13	PASS
	HCH	1	0	4.04	<13	PASS
		1	49	4.11	<13	PASS
		1	99	3.93	<13	PASS
		50	0	5.20	<13	PASS
		50	25	5.21	<13	PASS
		50	50	5.20	<13	PASS
		100	0	5.38	<13	PASS
16QAM	LCH	1	0	4.65	<13	PASS
		1	49	4.49	<13	PASS
		1	99	4.49	<13	PASS
		50	0	5.85	<13	PASS
		50	25	5.70	<13	PASS
		50	50	5.70	<13	PASS
		100	0	5.96	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	49	4.70	<13	PASS
		1	99	4.99	<13	PASS
		50	0	5.68	<13	PASS
		50	25	5.83	<13	PASS
		50	50	6.01	<13	PASS
		100	0	6.03	<13	PASS
	HCH	1	0	4.99	<13	PASS
		1	49	5.09	<13	PASS
		1	99	4.96	<13	PASS
		50	0	6.07	<13	PASS
		50	25	6.06	<13	PASS
		50	50	6.06	<13	PASS
		100	0	6.17	<13	PASS

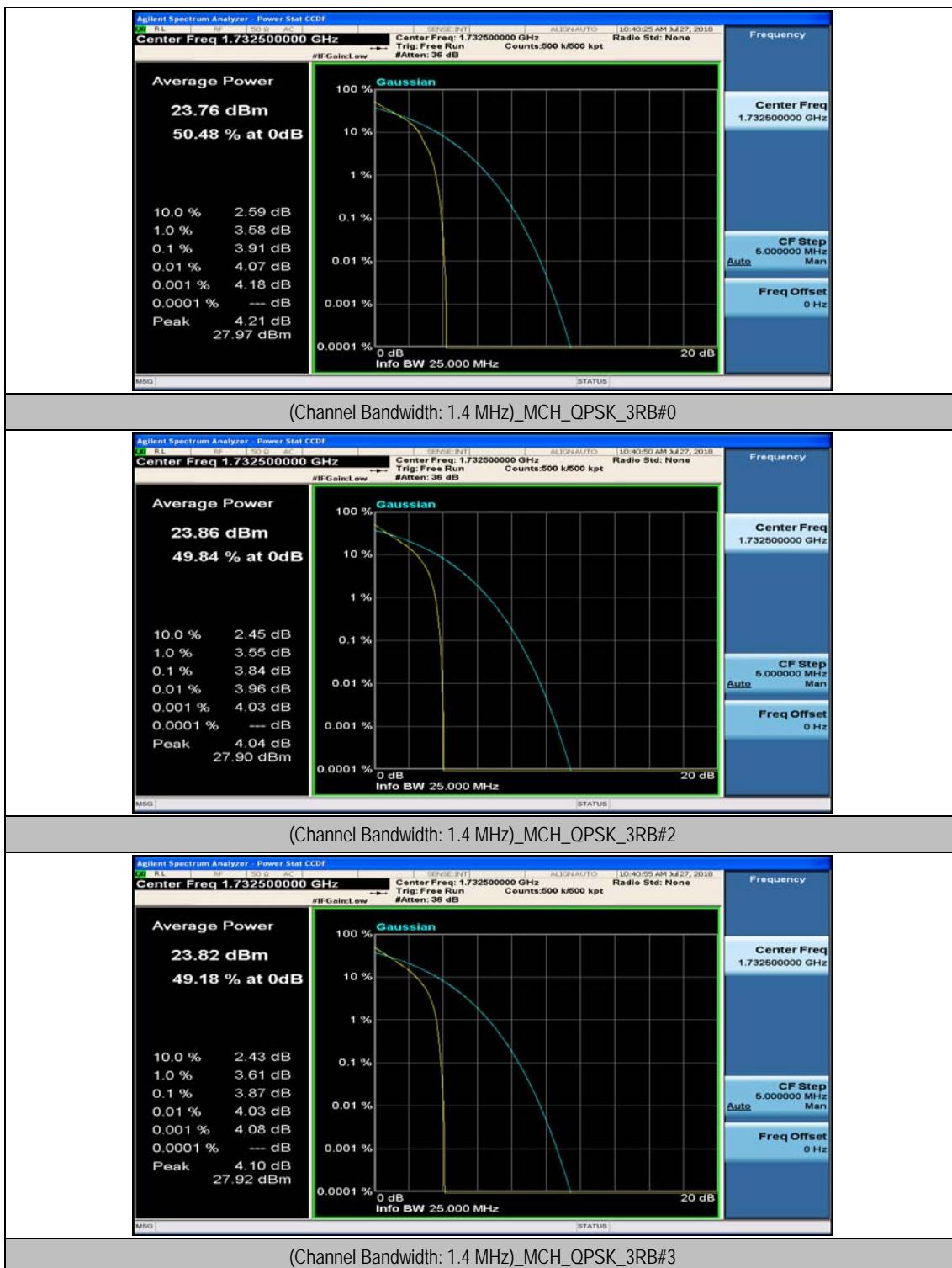
## Test Graphs

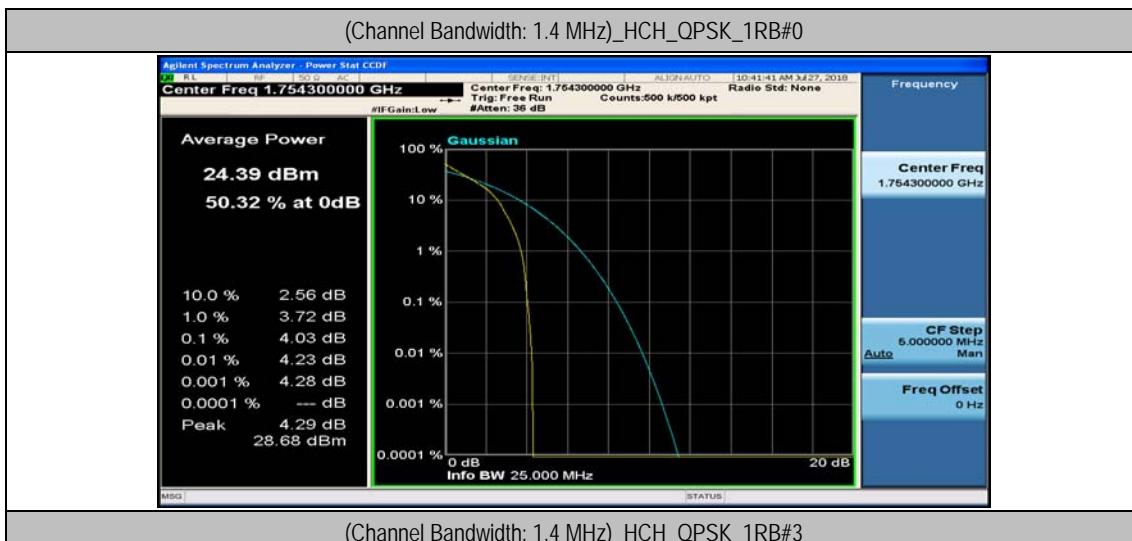
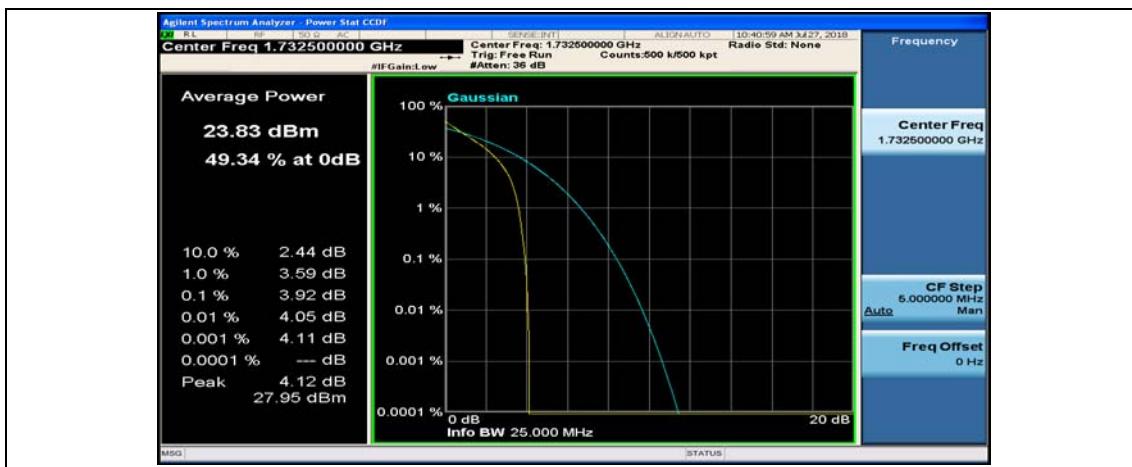
### Channel Bandwidth: 1.4 MHz



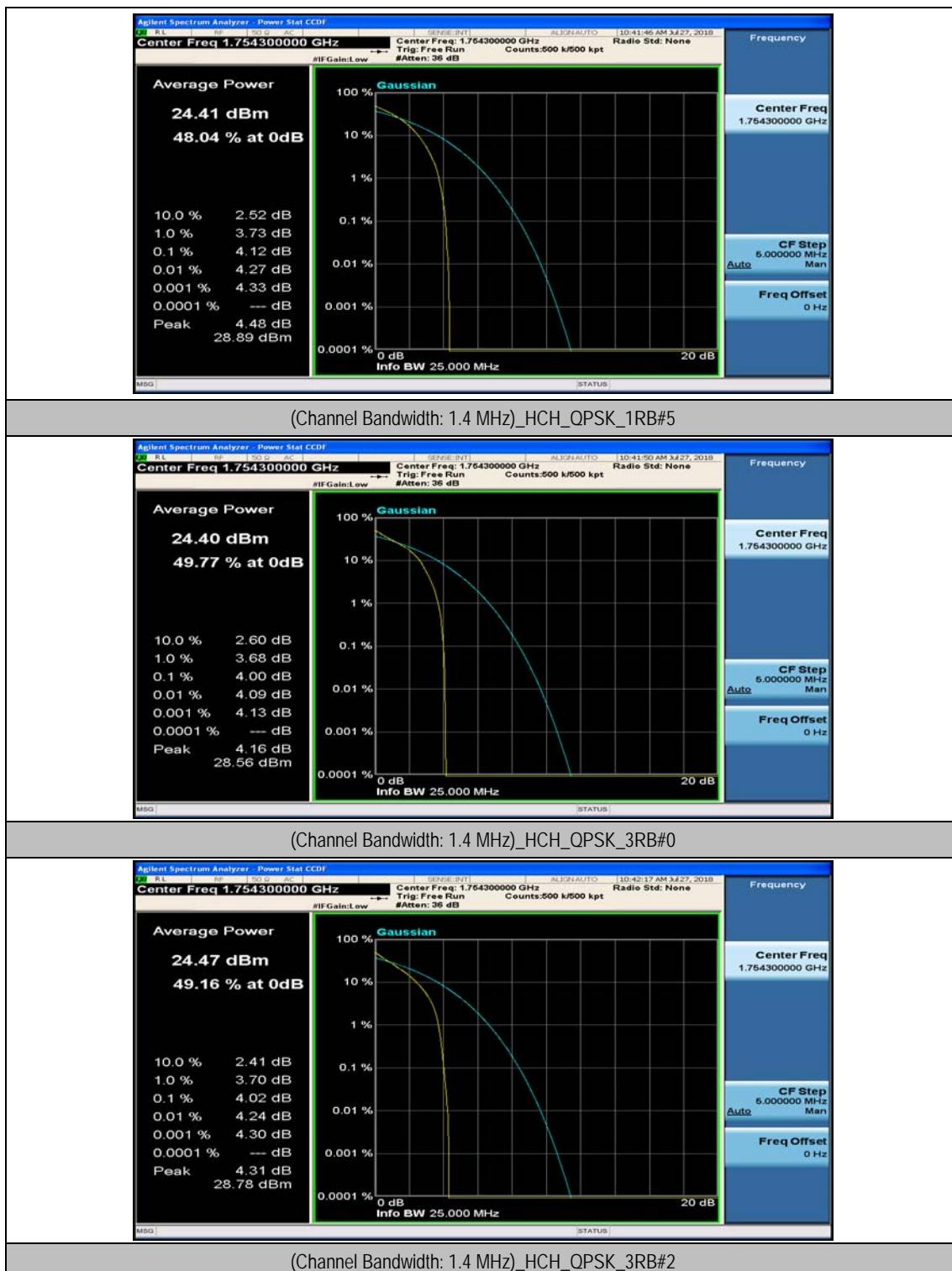


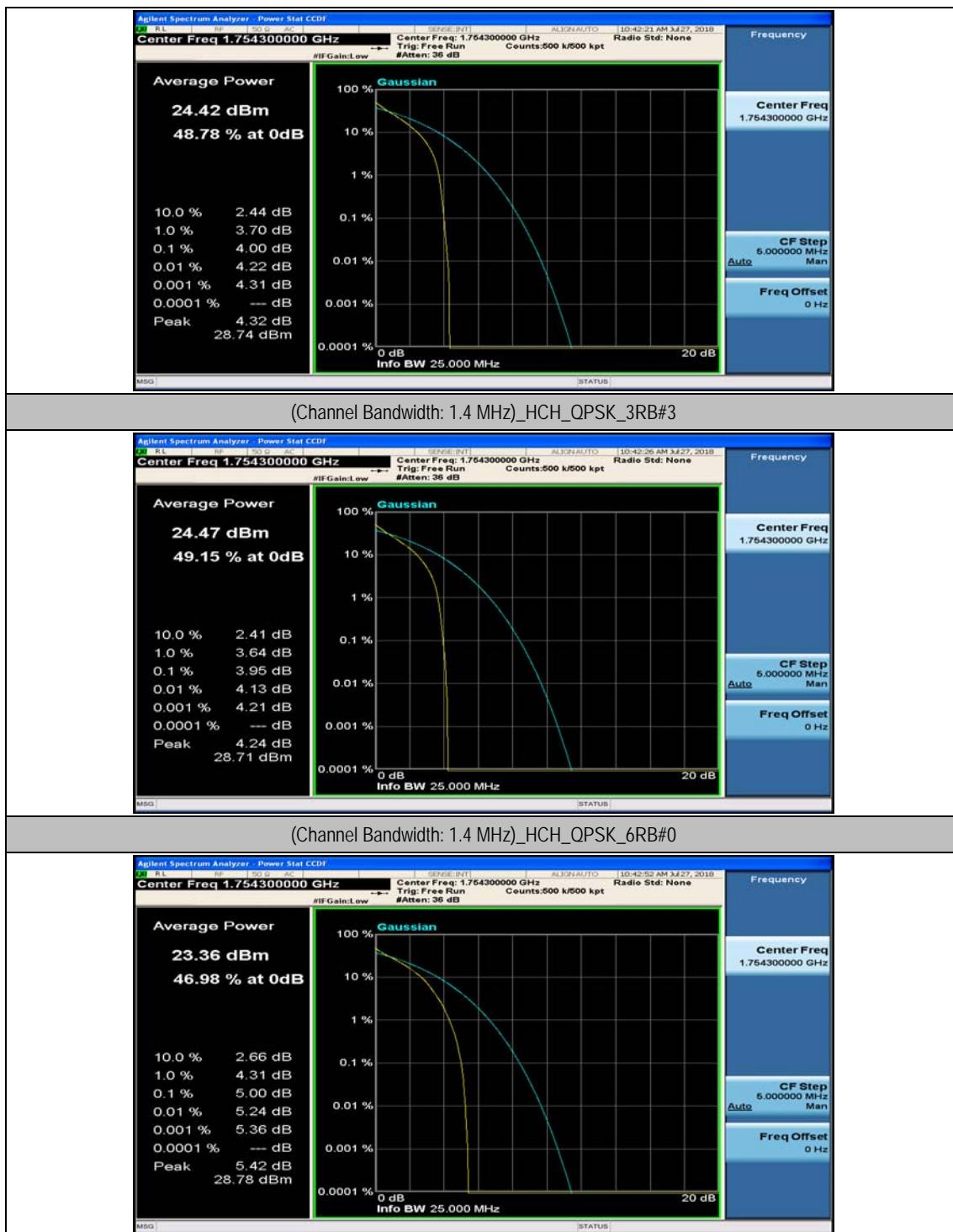


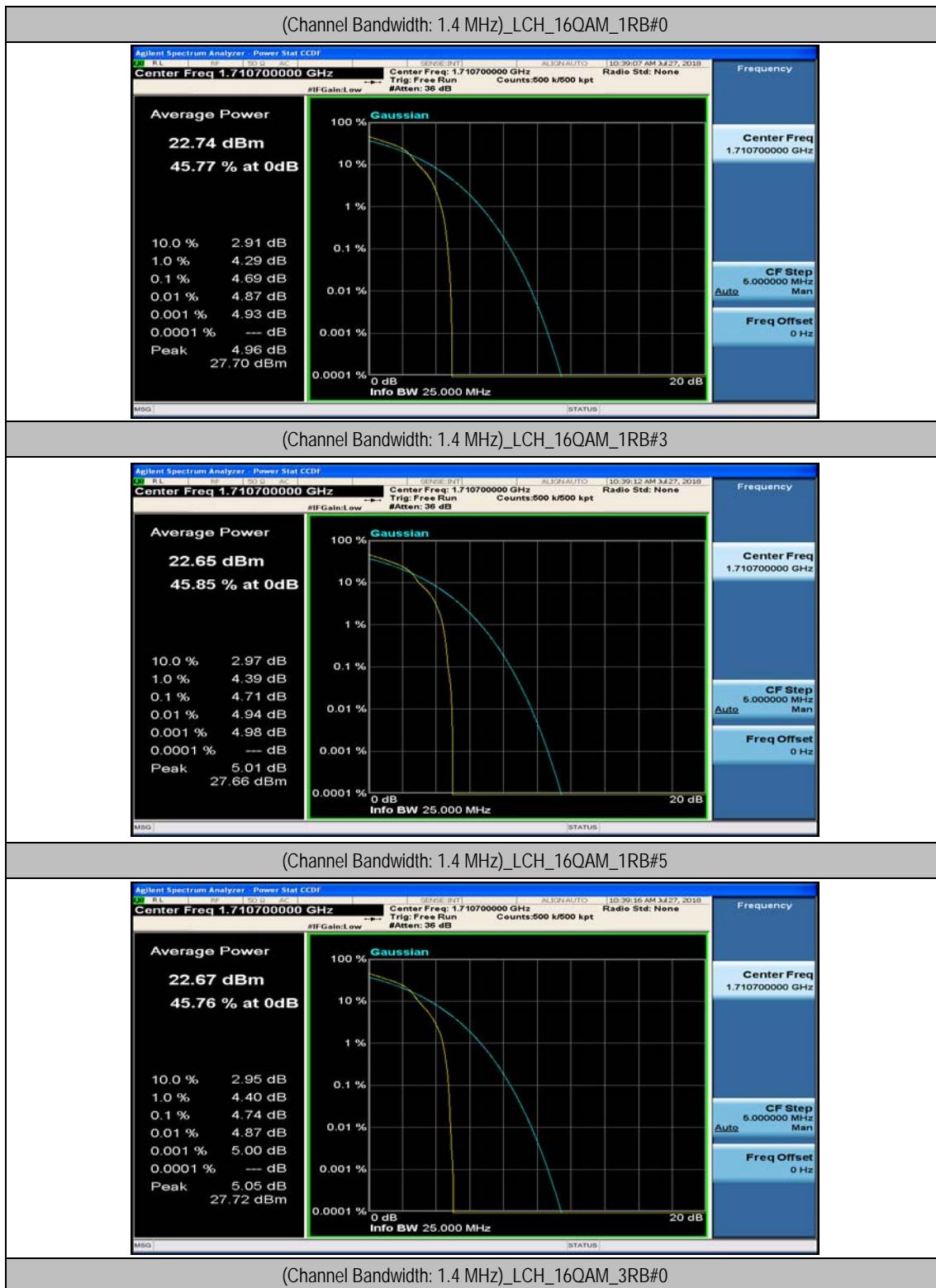


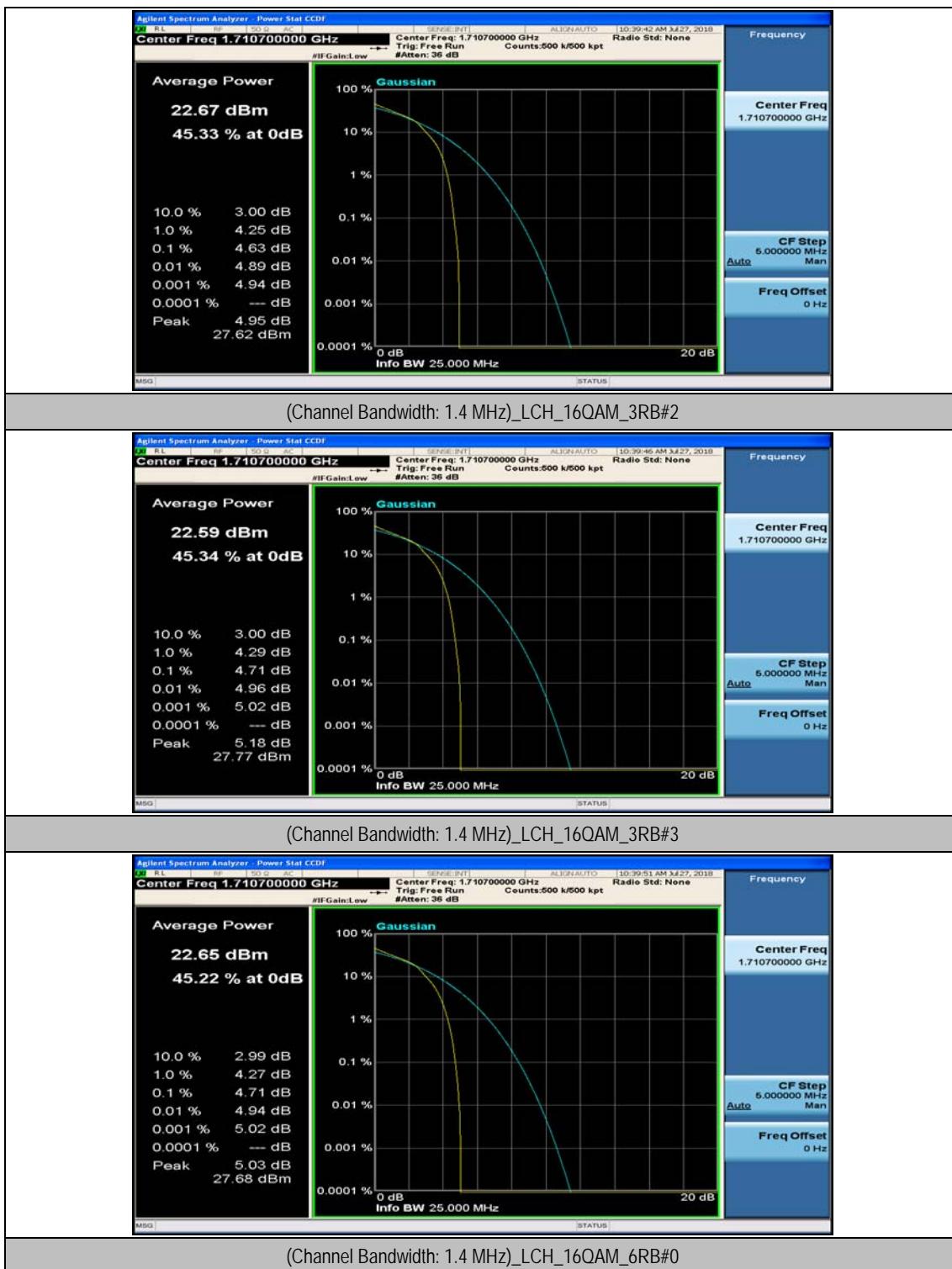


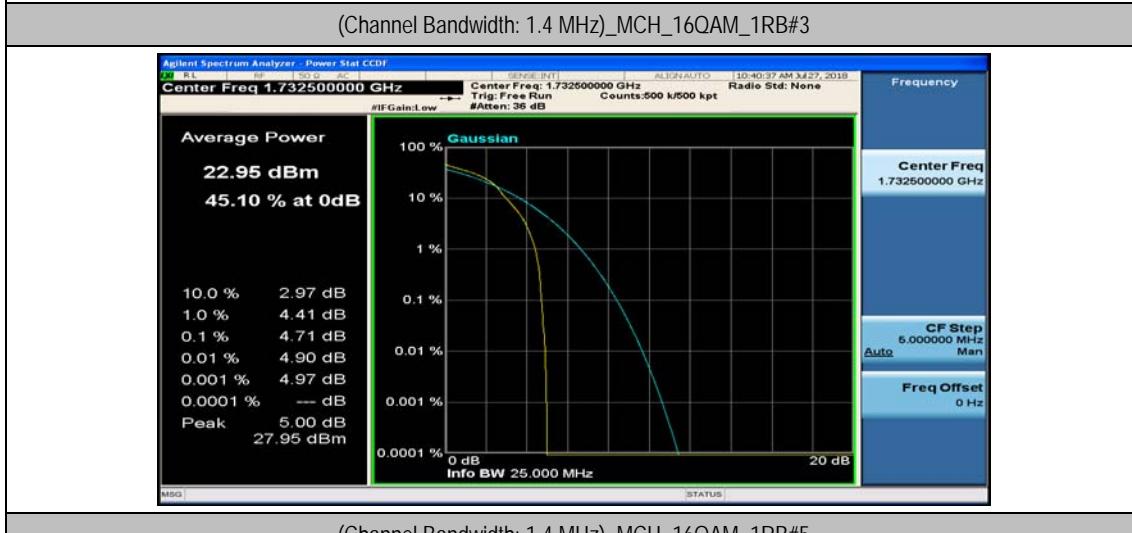
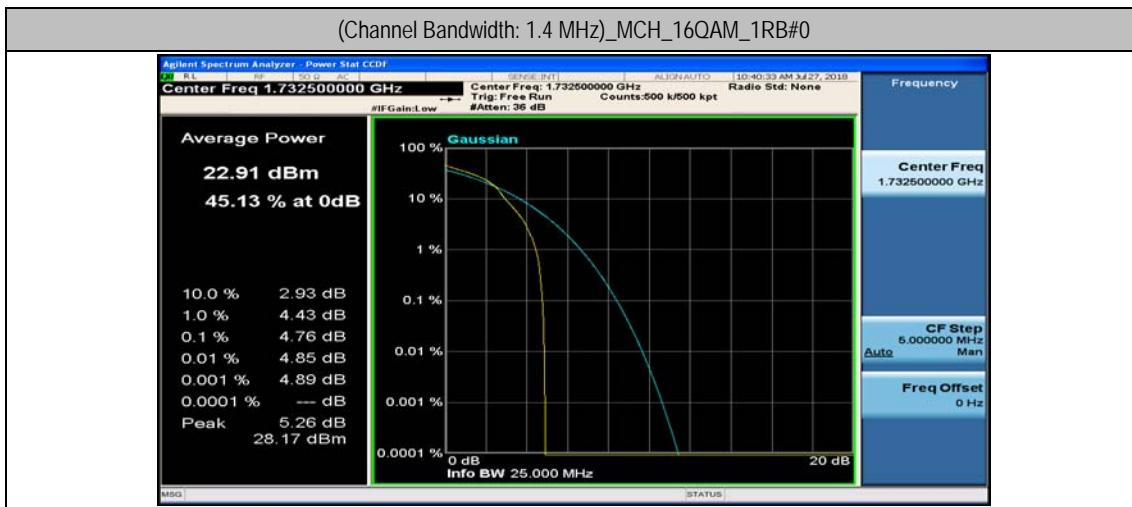
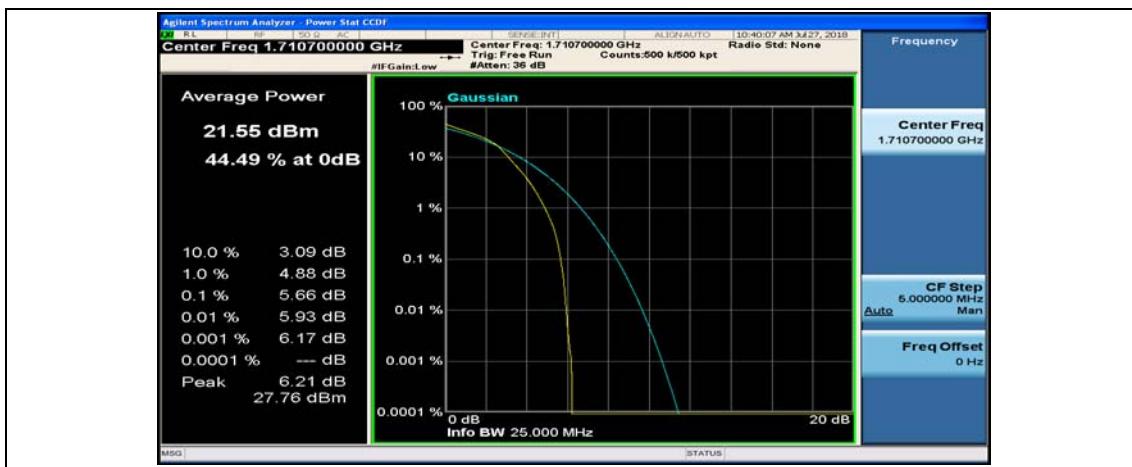
**(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3**

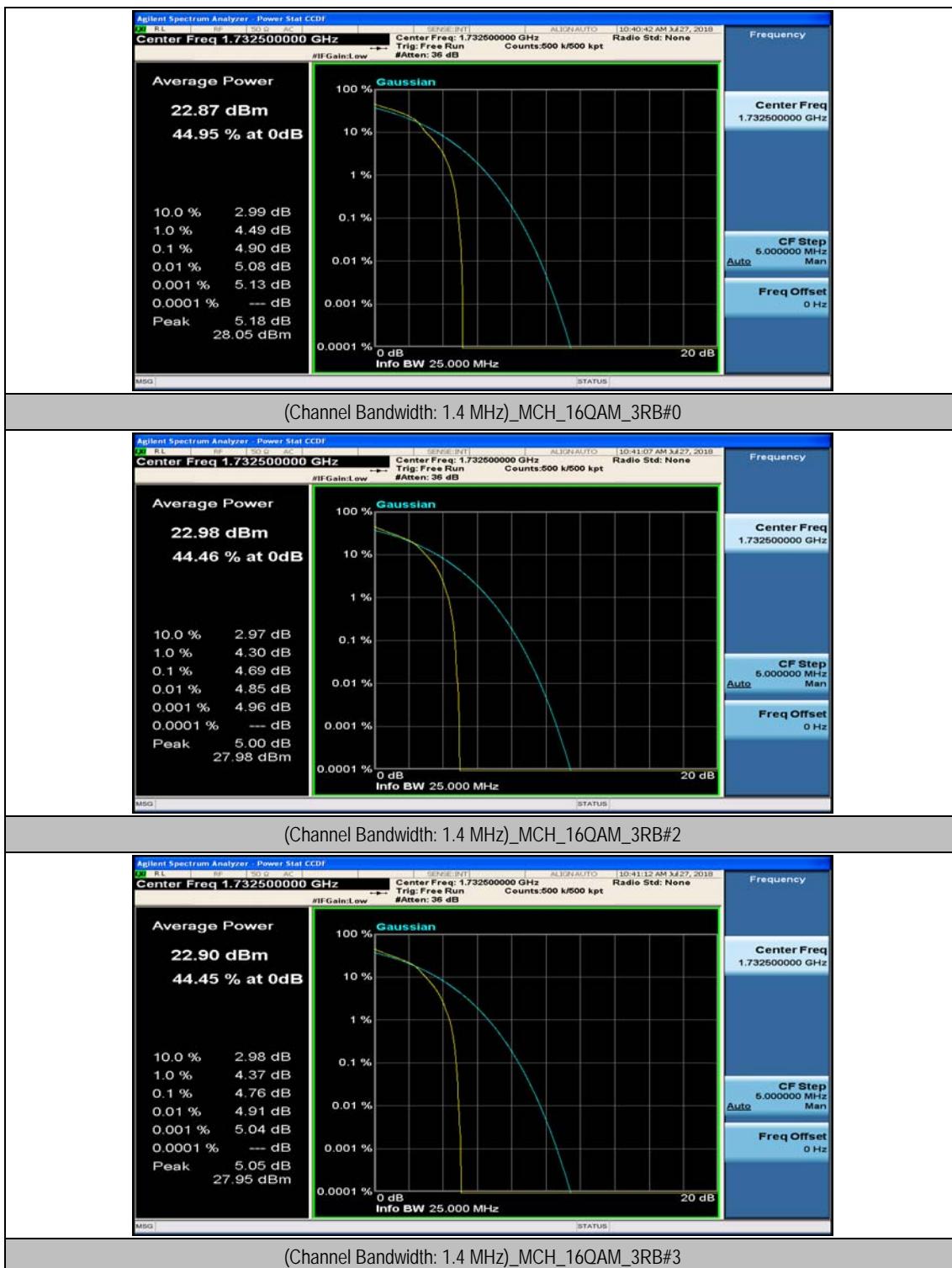


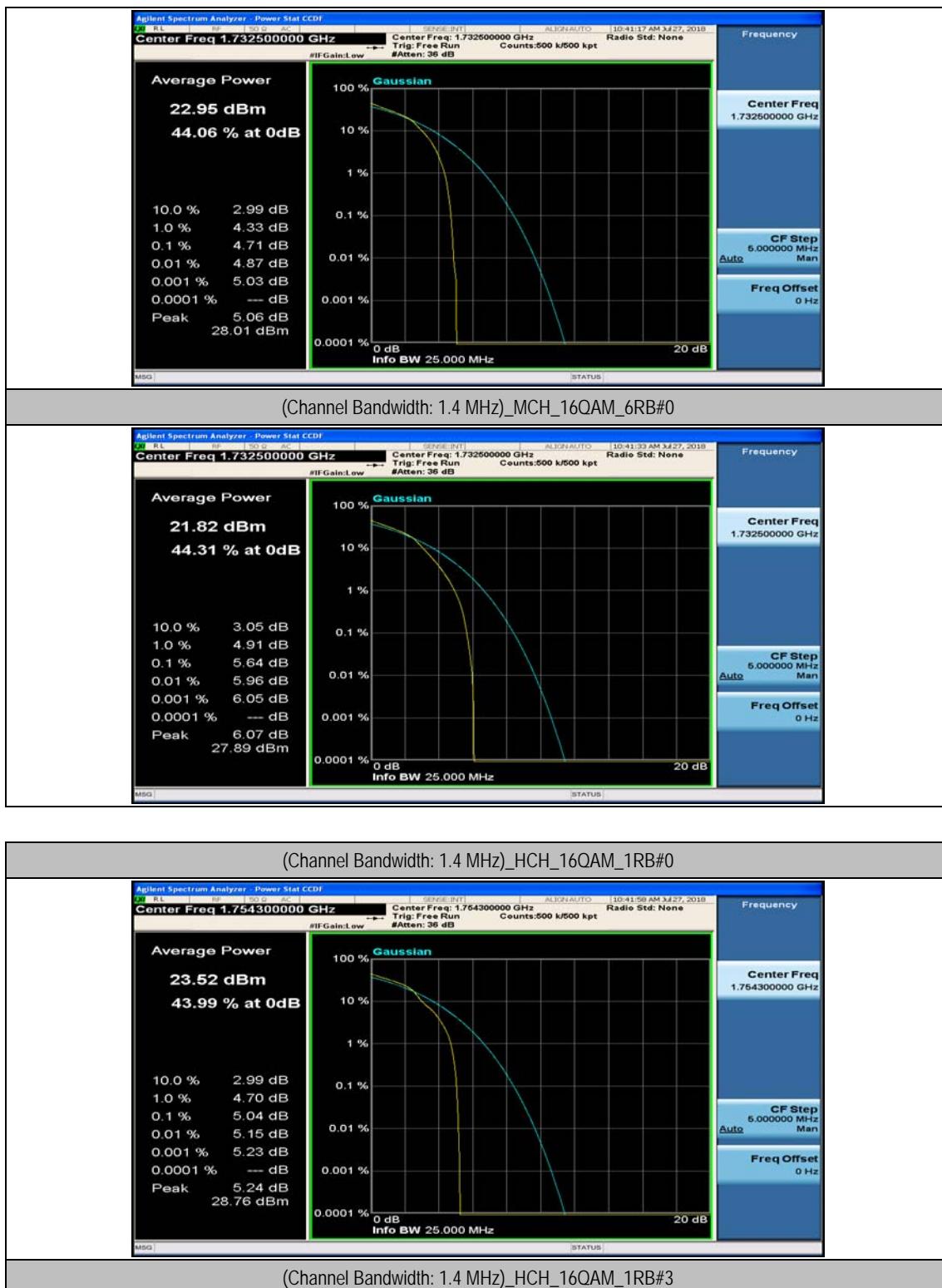


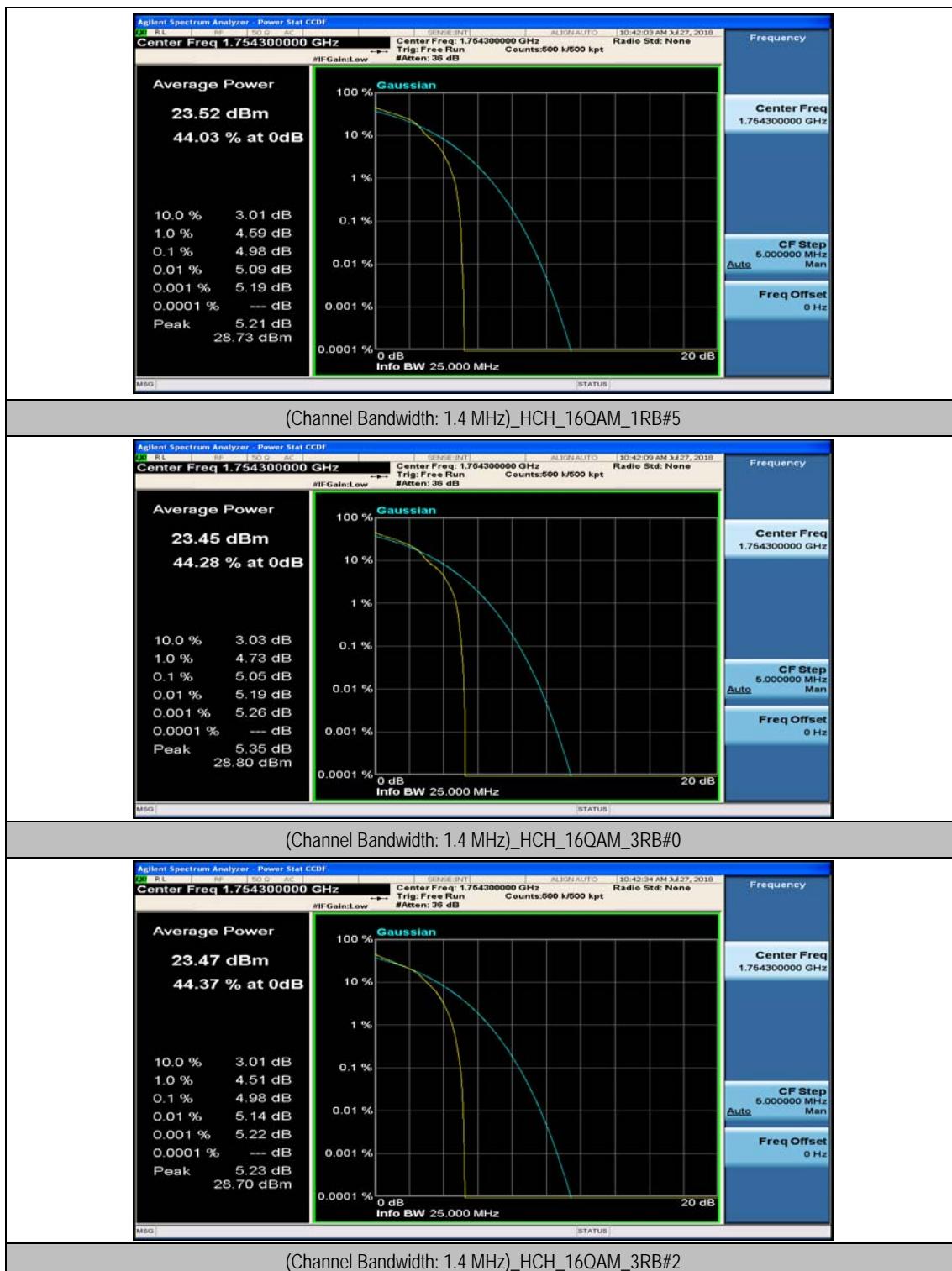


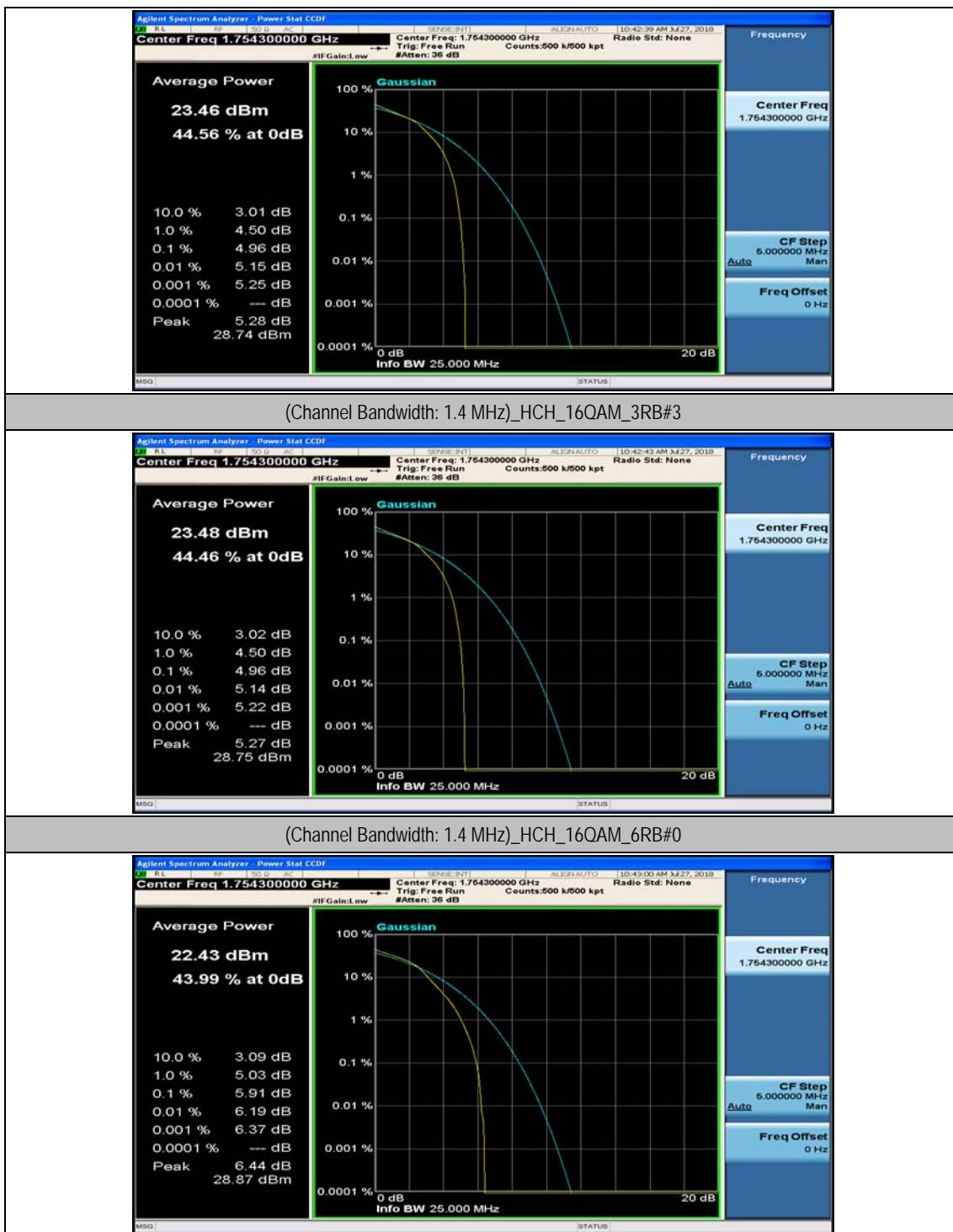




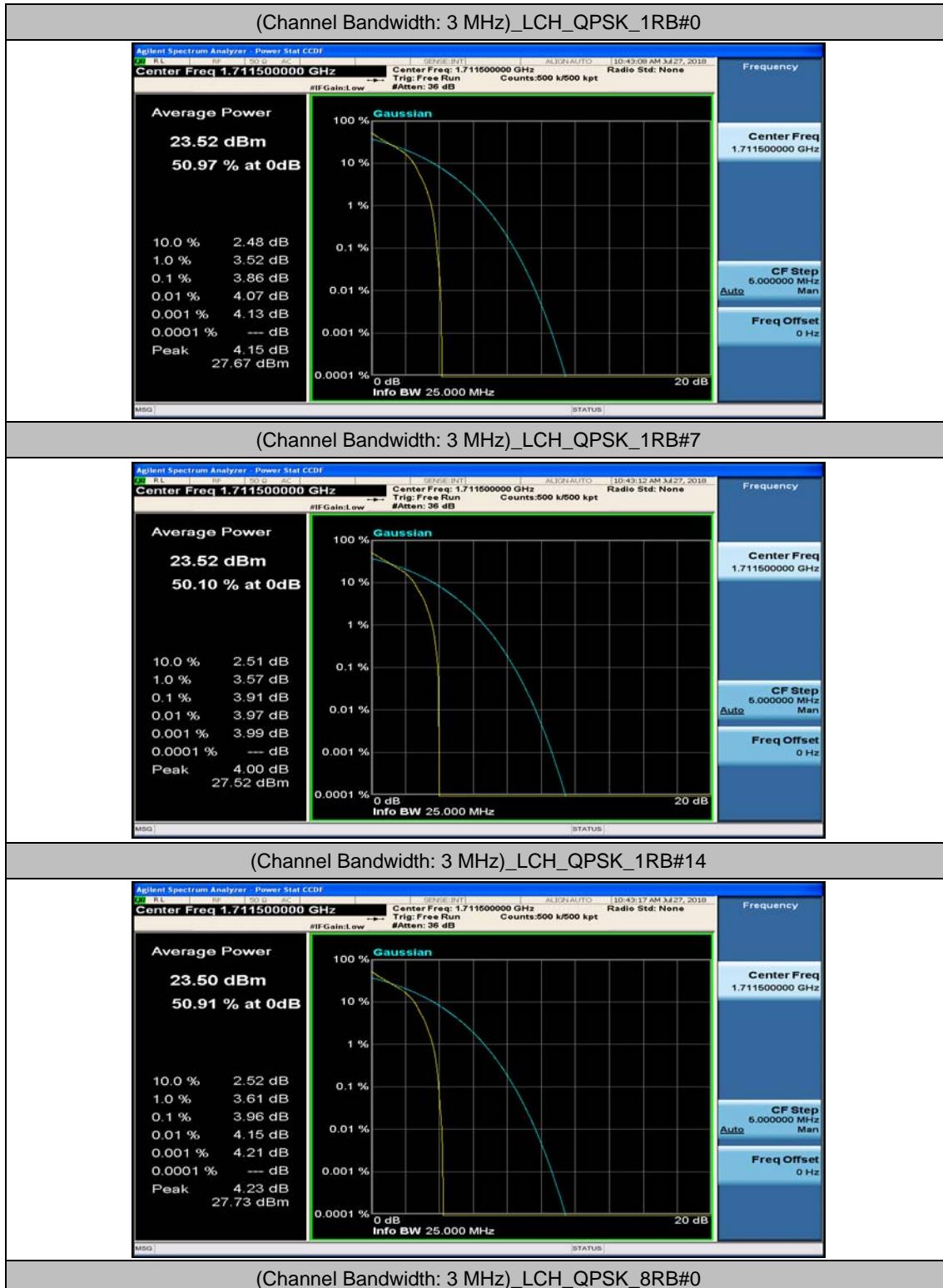


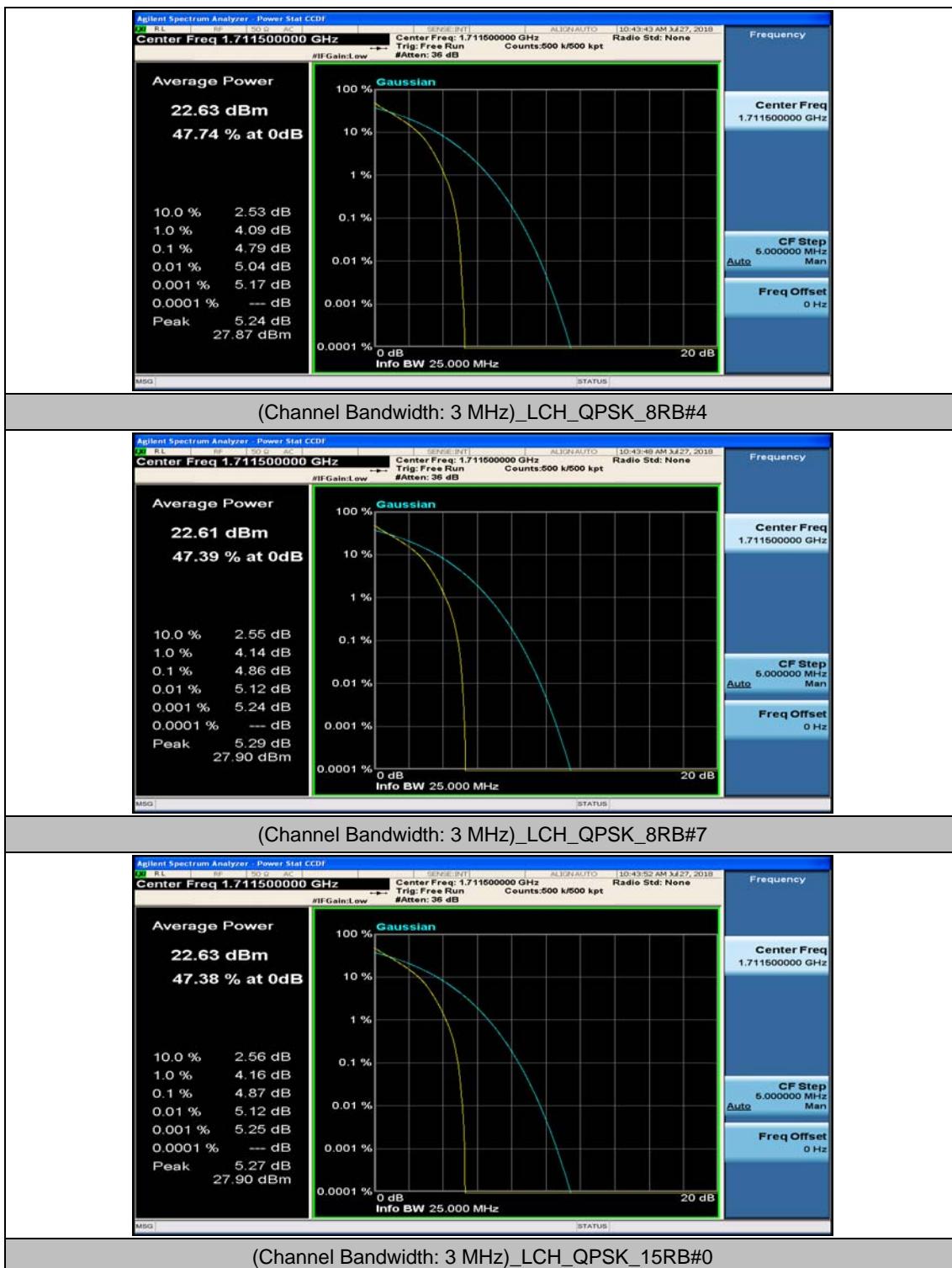


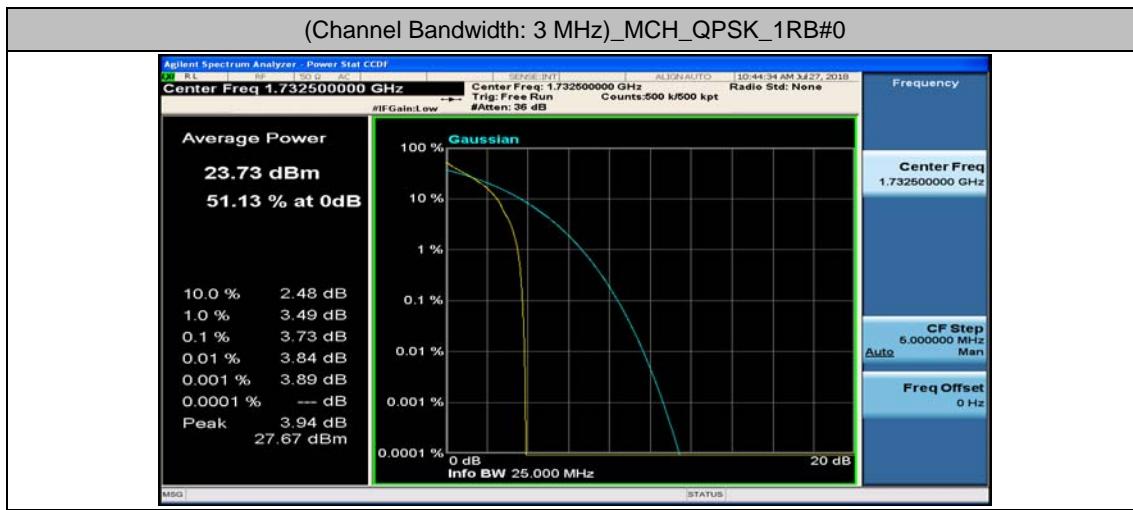
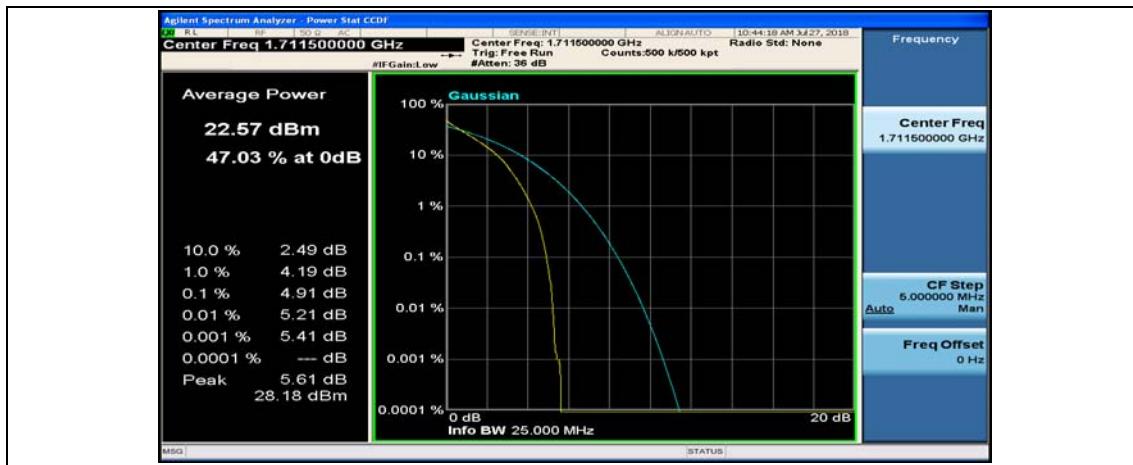


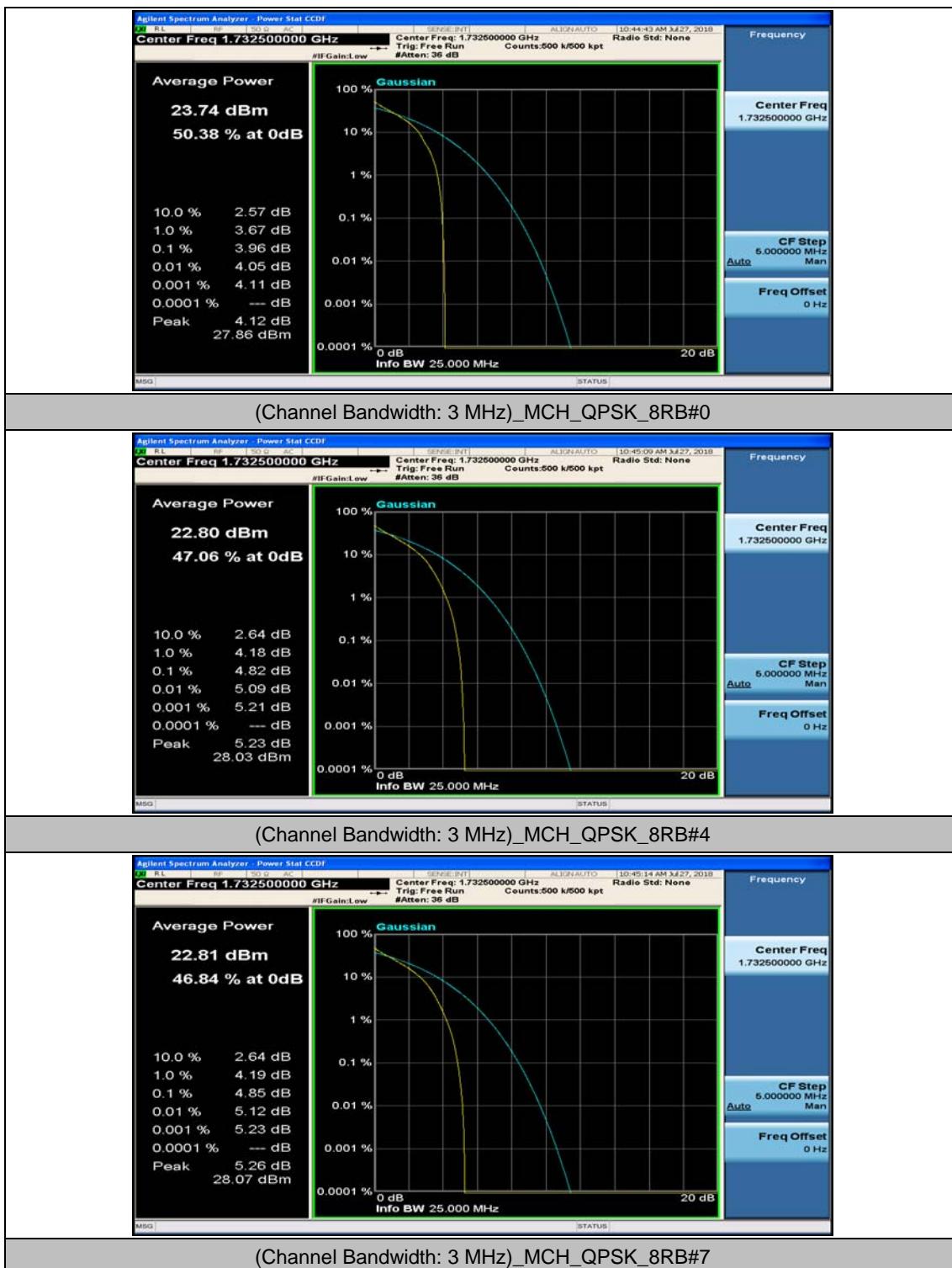


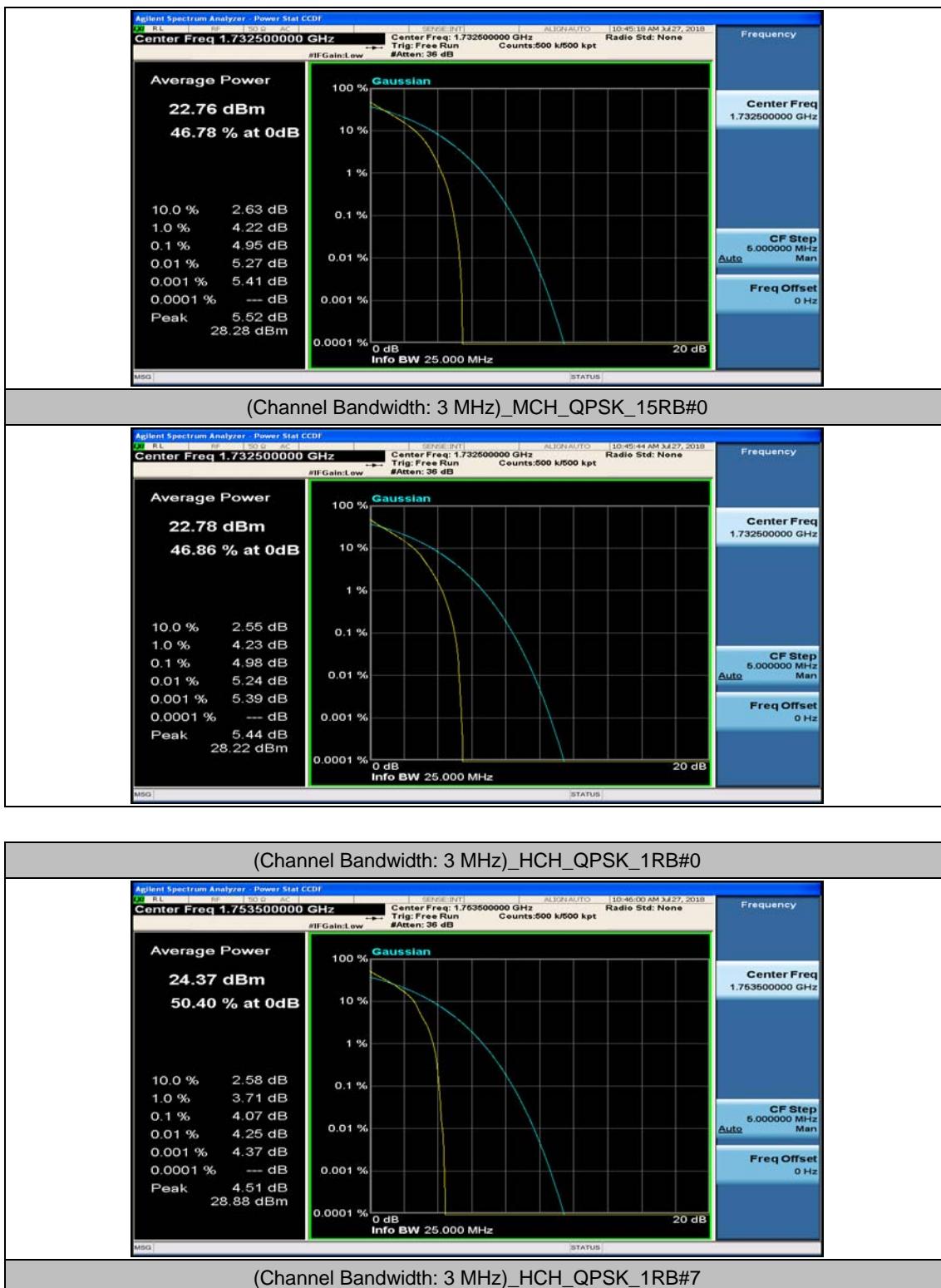
## Channel Bandwidth: 3 MHz

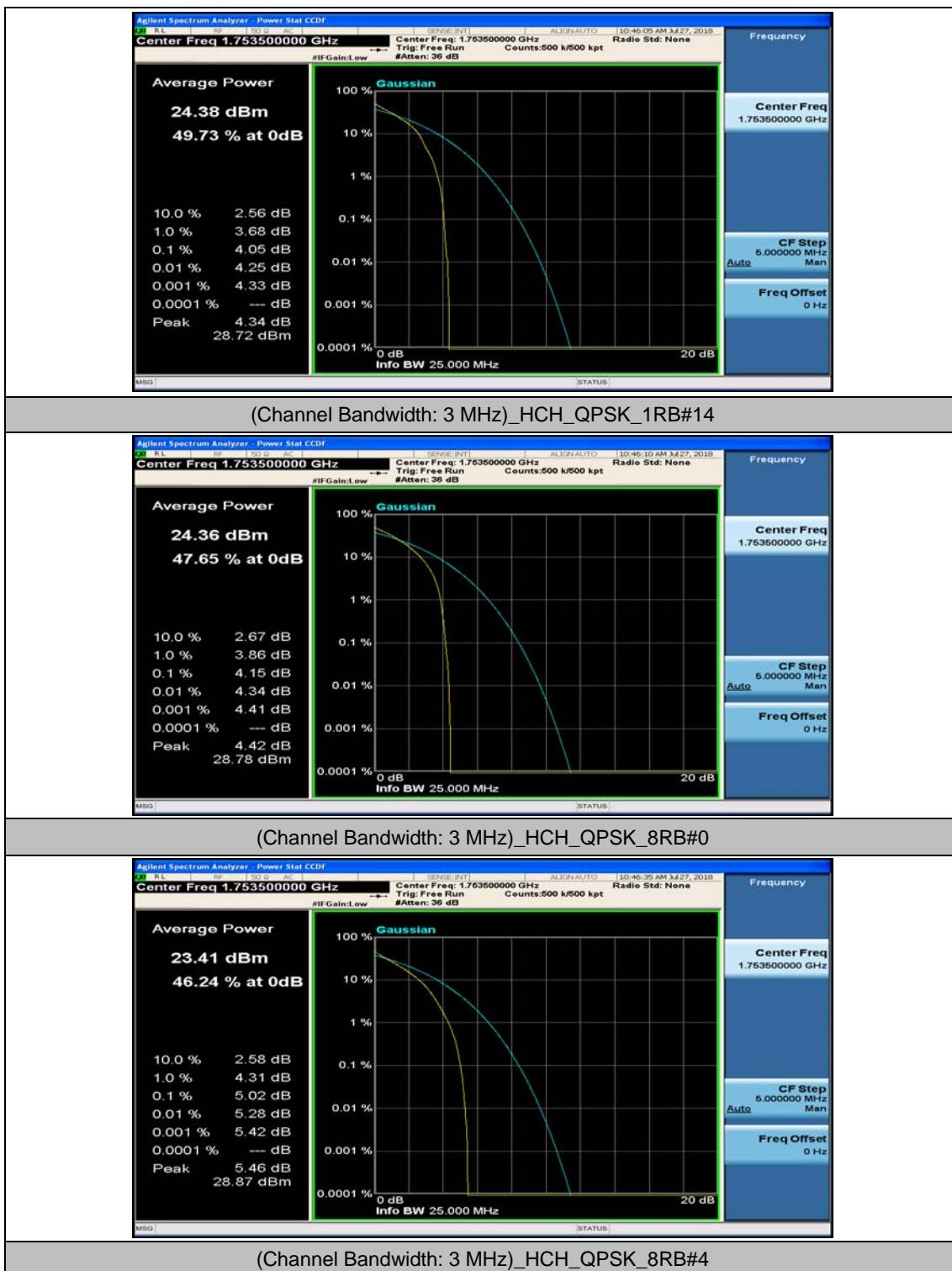


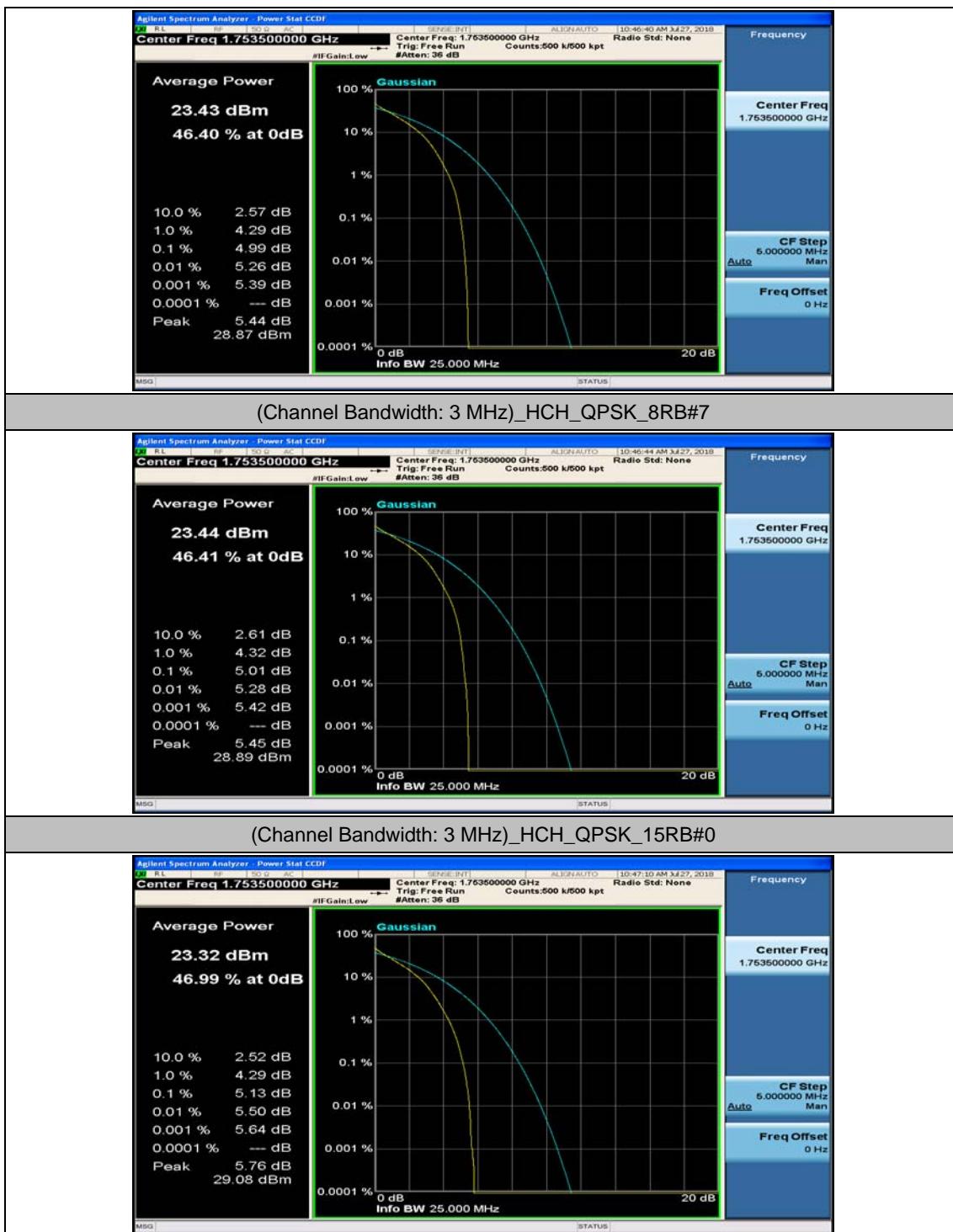


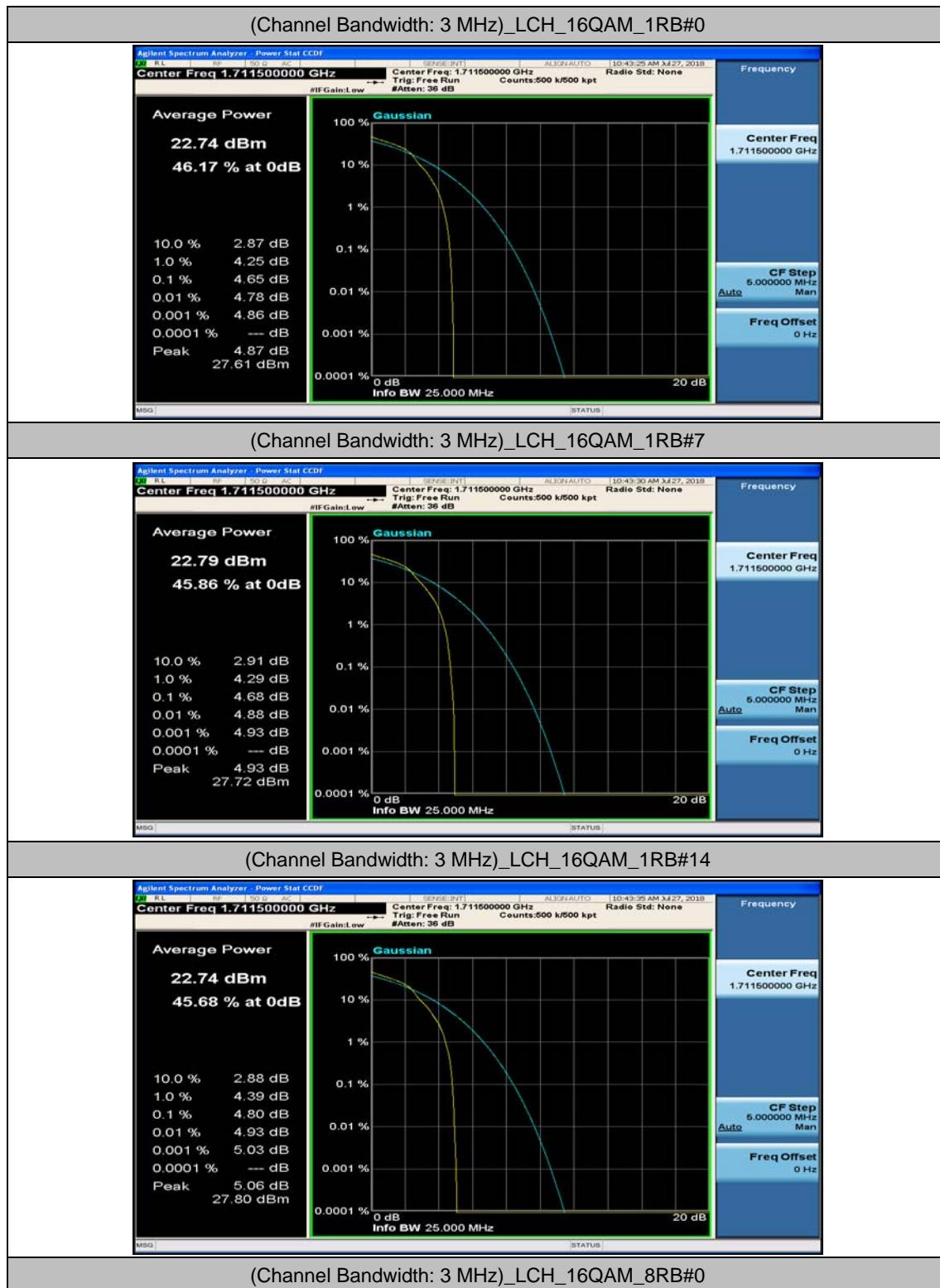


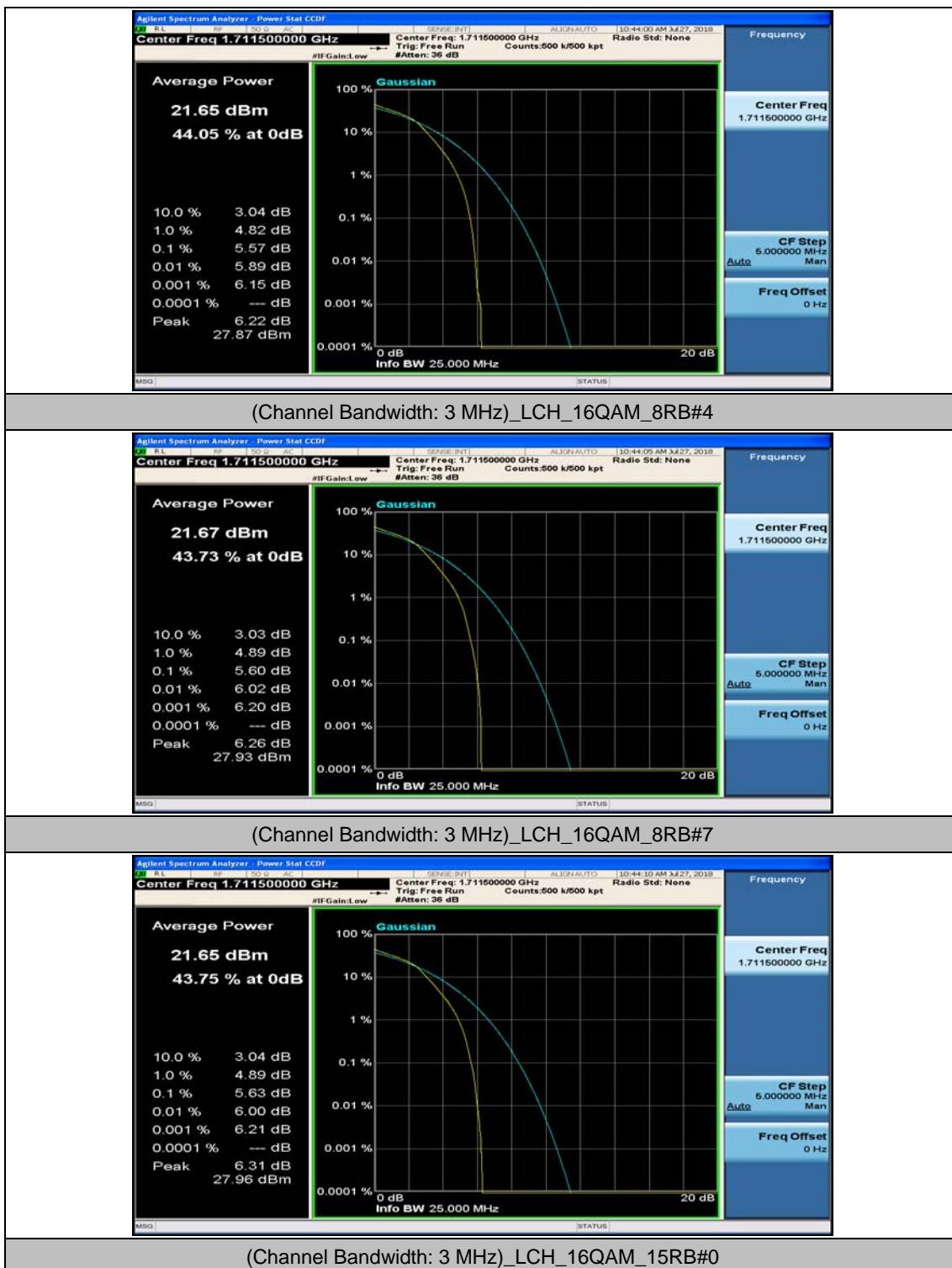


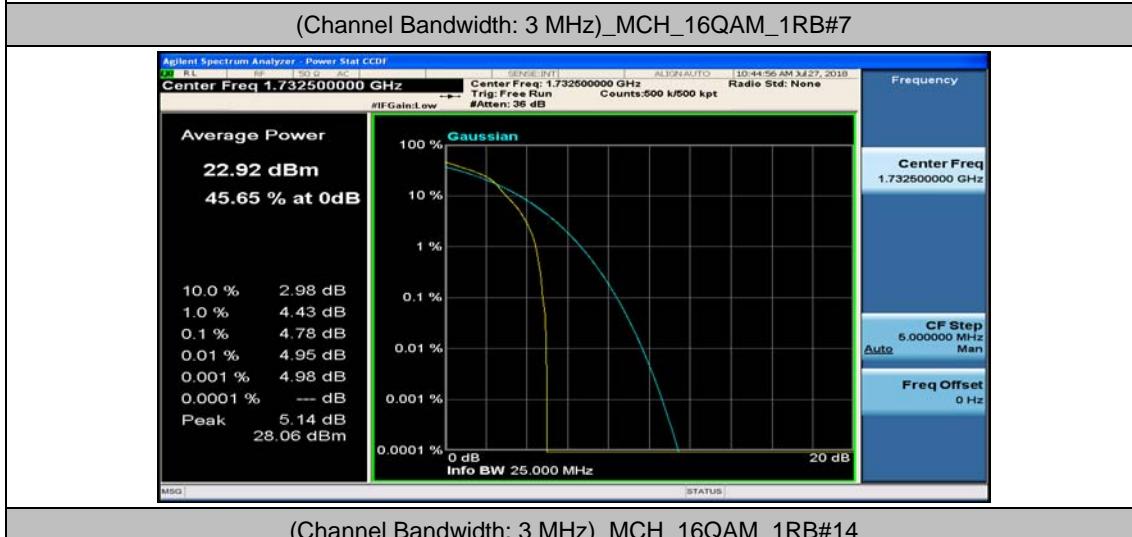
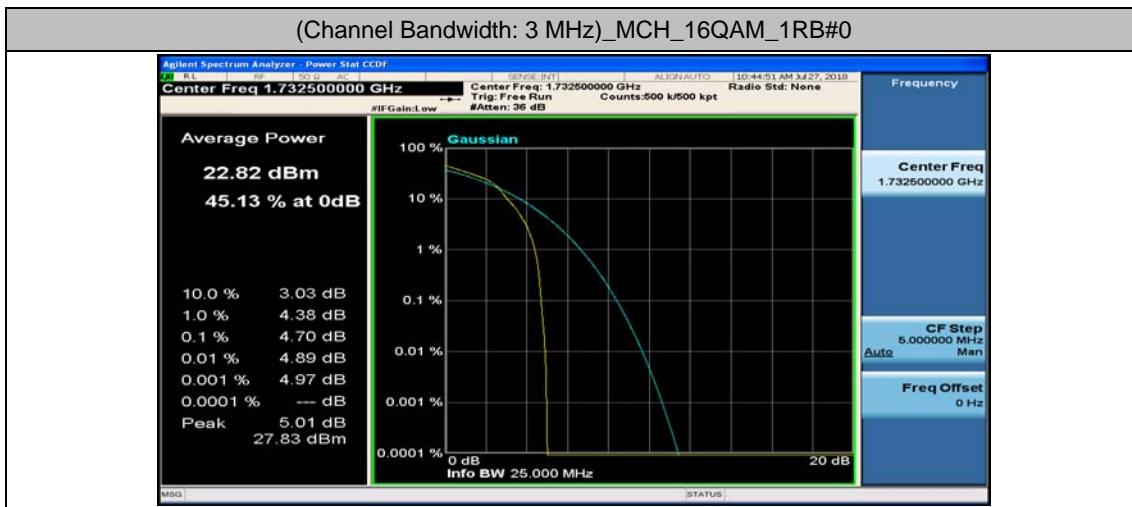
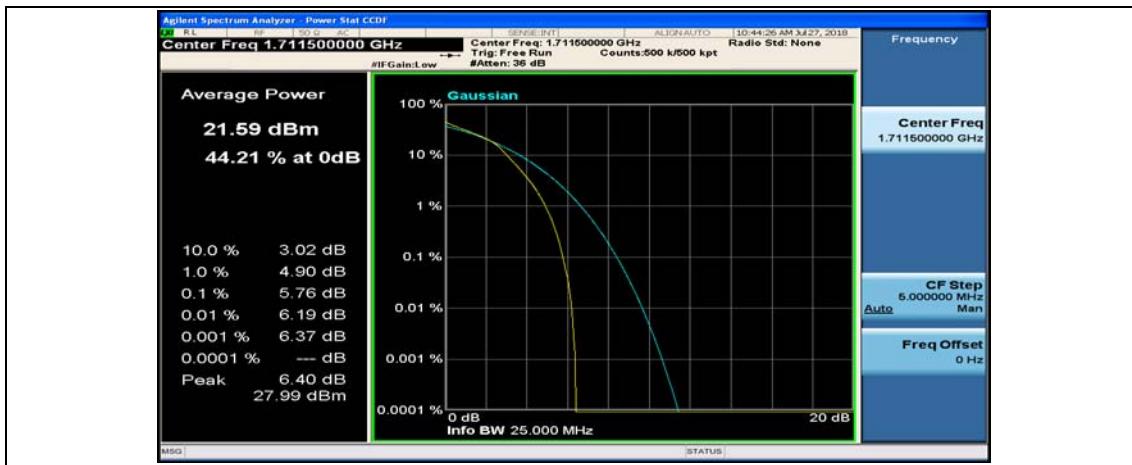




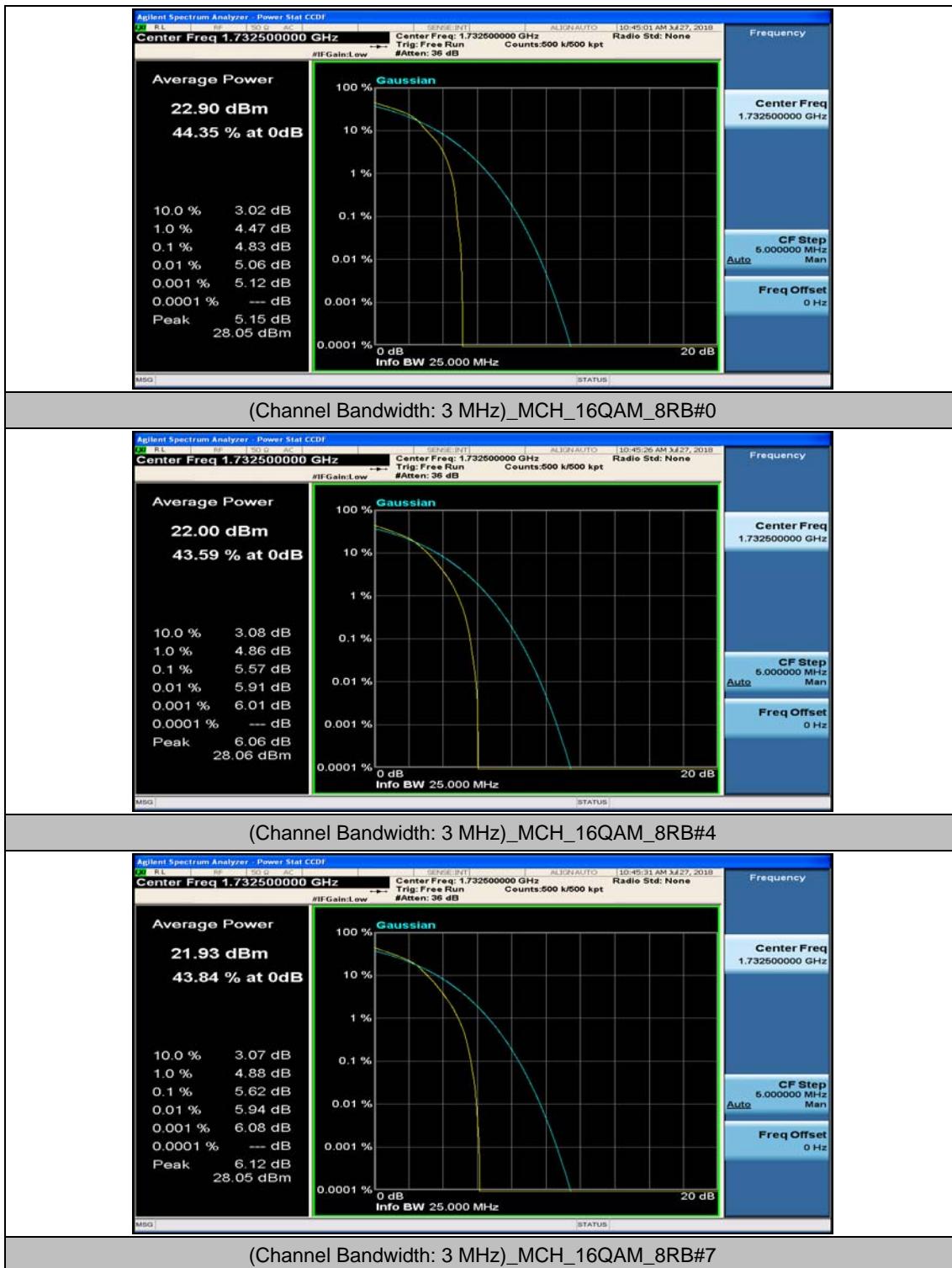


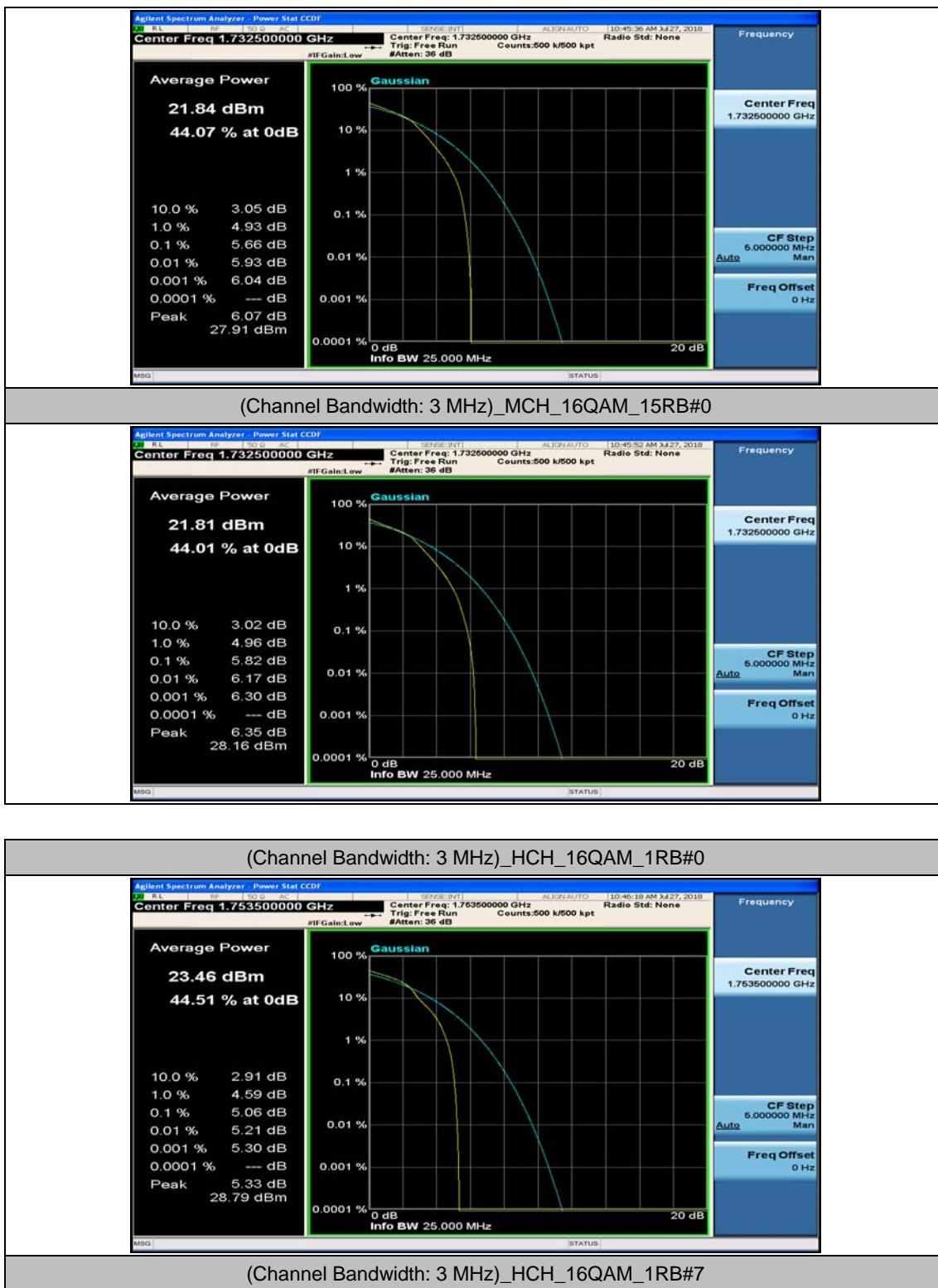


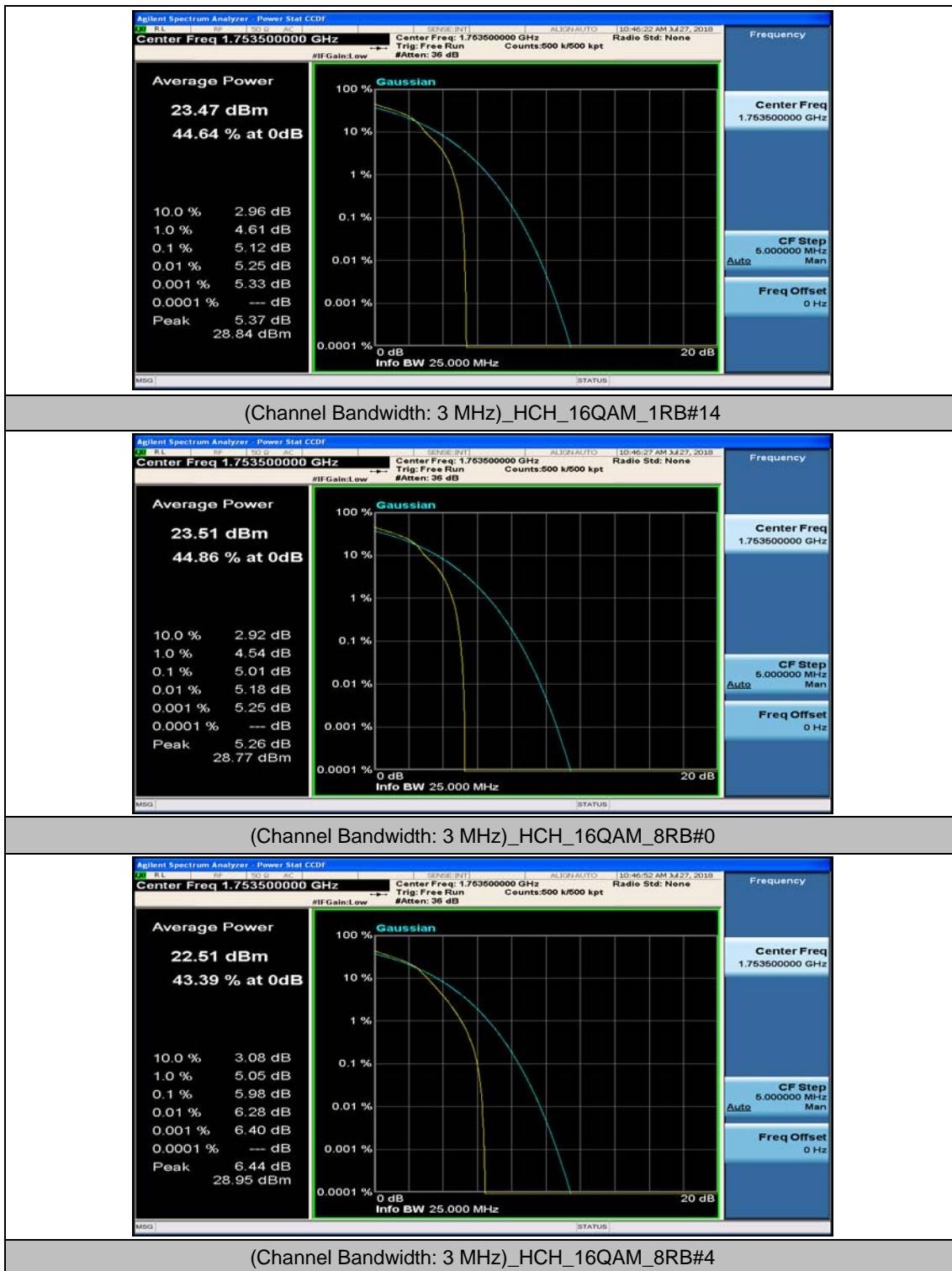


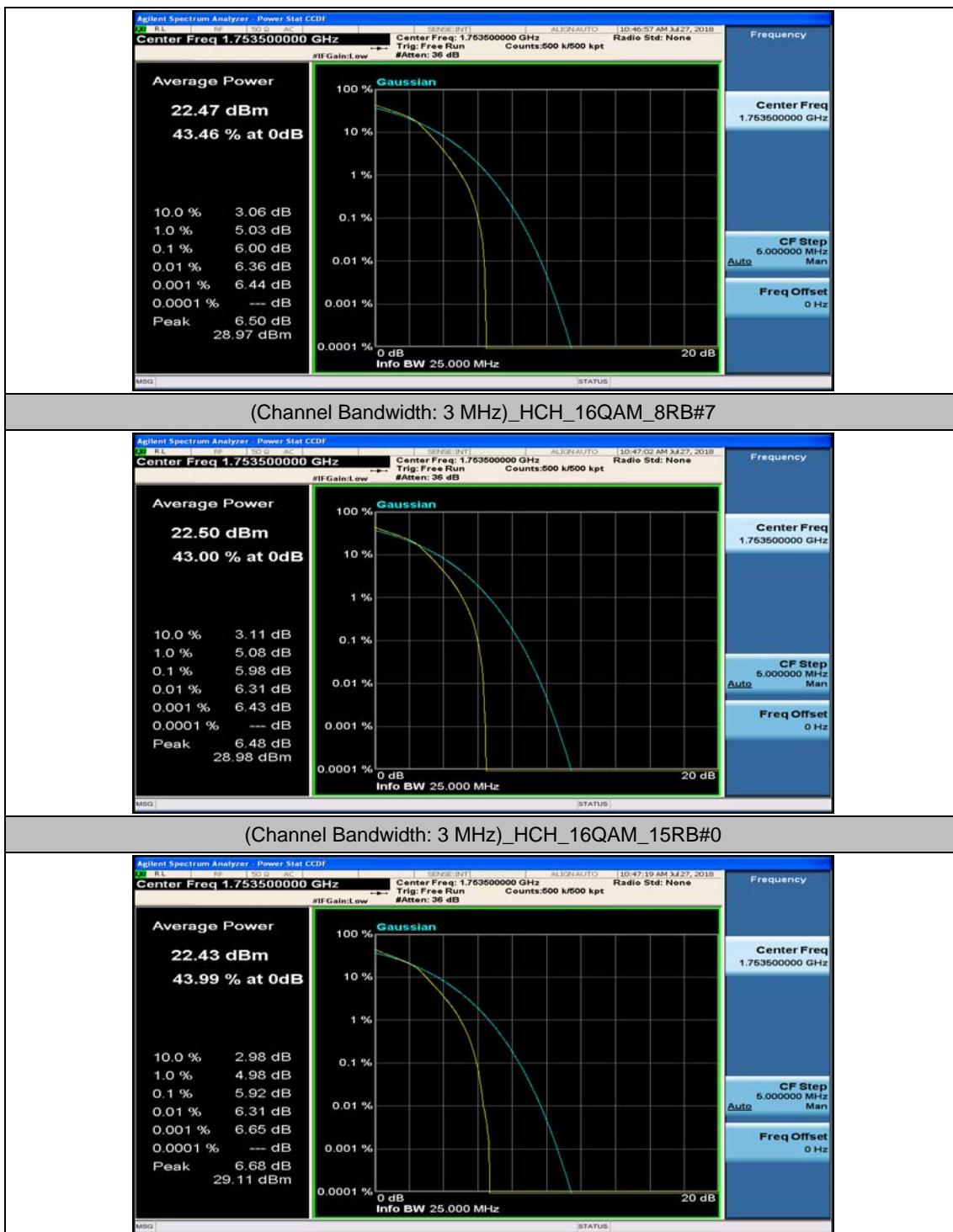


**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**

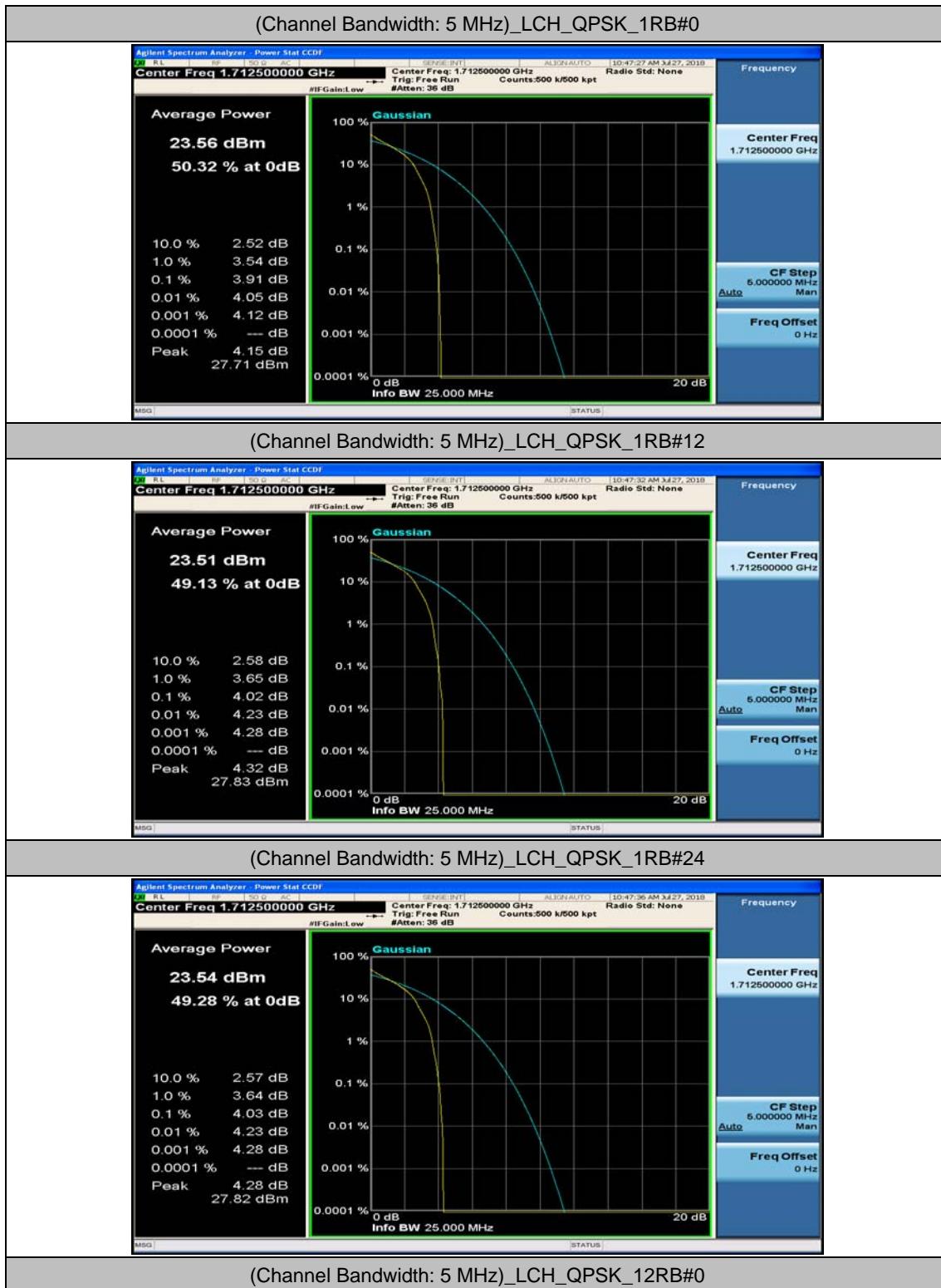


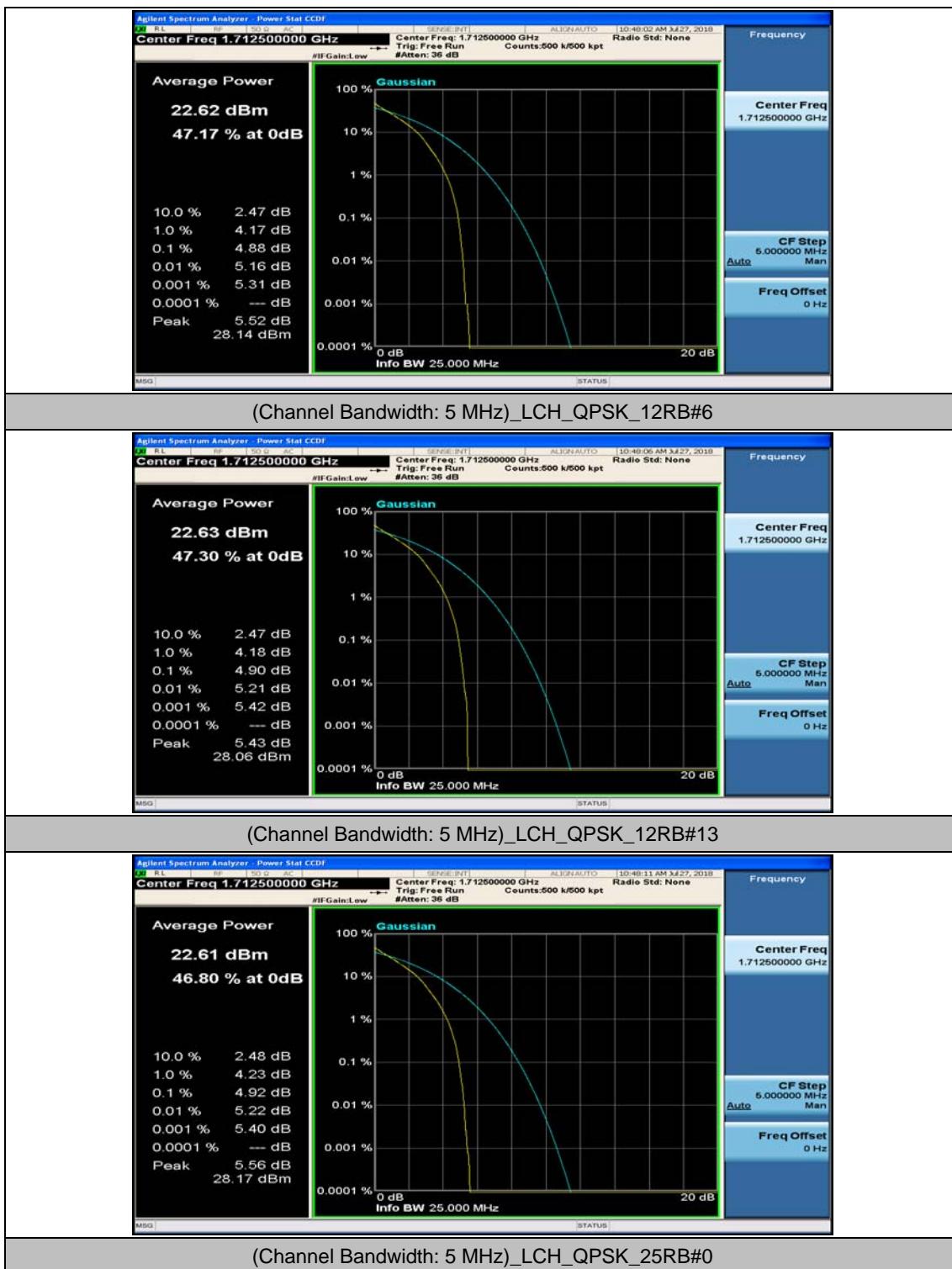


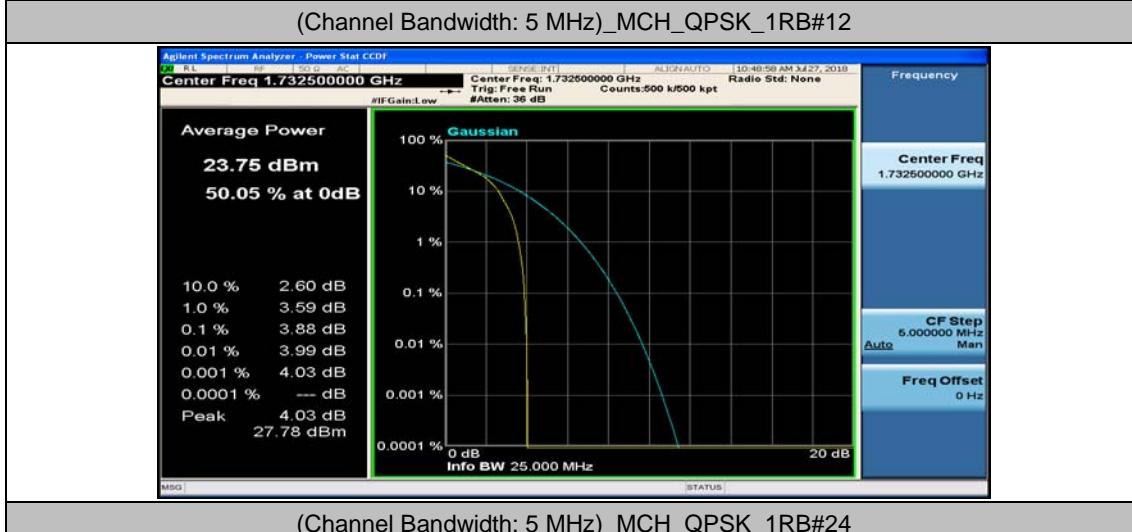
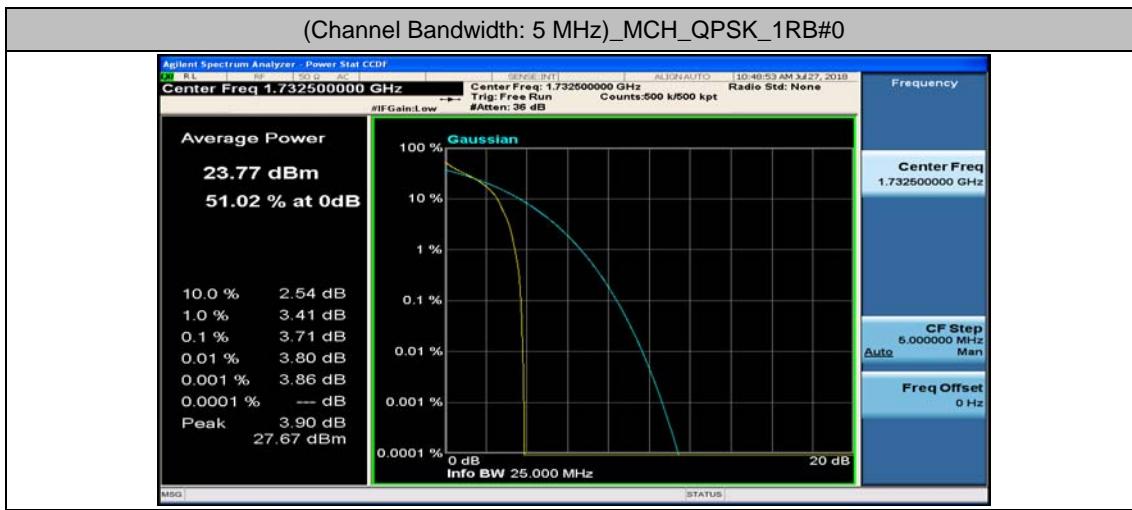
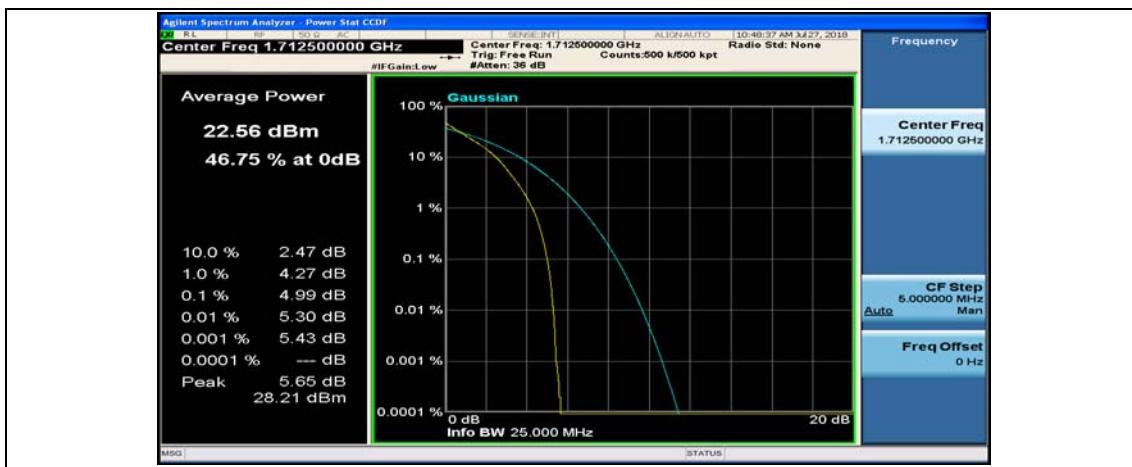




## Channel Bandwidth: 5 MHz







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

