

## F.2: 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	3.7	<13	PASS
		1	3	3.76	<13	PASS
		1	5	3.83	<13	PASS
		3	0	3.93	<13	PASS
		3	2	3.97	<13	PASS
		3	3	4.1	<13	PASS
		6	0	5.12	<13	PASS
	MCH	1	0	4.82	<13	PASS
		1	3	4.56	<13	PASS
		1	5	4.66	<13	PASS
		3	0	4.88	<13	PASS
		3	2	4.73	<13	PASS
		3	3	4.8	<13	PASS
		6	0	5.32	<13	PASS
16QAM	LCH	1	0	4.57	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.28	<13	PASS
		3	0	4.76	<13	PASS
		3	2	4.56	<13	PASS
		3	3	4.6	<13	PASS
		6	0	5.36	<13	PASS
	MCH	1	0	4.66	<13	PASS
		1	3	4.53	<13	PASS
		1	5	4.7	<13	PASS
		3	0	4.84	<13	PASS
		3	2	4.81	<13	PASS
		3	3	4.95	<13	PASS
		6	0	6	<13	PASS

		1	0	5.46	<13	PASS
		1	3	5.18	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.73	<13	PASS
		3	2	5.53	<13	PASS
		3	3	5.58	<13	PASS
		6	0	6.23	<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	3.77	<13	PASS
		1	7	3.49	<13	PASS
		1	14	3.95	<13	PASS
		8	0	4.82	<13	PASS
		8	4	4.77	<13	PASS
		8	7	4.85	<13	PASS
		15	0	5.09	<13	PASS
	MCH	1	0	4.67	<13	PASS
		1	7	4.22	<13	PASS
		1	14	4.53	<13	PASS
		8	0	4.92	<13	PASS
		8	4	4.81	<13	PASS
		8	7	4.86	<13	PASS
		15	0	5.23	<13	PASS
	HCH	1	0	4.61	<13	PASS
		1	7	3.7	<13	PASS
		1	14	4.28	<13	PASS
		8	0	4.97	<13	PASS
		8	4	4.89	<13	PASS
		8	7	4.95	<13	PASS
		15	0	5.28	<13	PASS
16QAM	LCH	1	0	4.52	<13	PASS
		1	7	4.59	<13	PASS
		1	14	4.57	<13	PASS
		8	0	5.66	<13	PASS
		8	4	5.57	<13	PASS
		8	7	5.69	<13	PASS
		15	0	5.94	<13	PASS
	MCH	1	0	5.46	<13	PASS
		1	7	5.28	<13	PASS

		1	14	5.37	<13	PASS
		8	0	5.76	<13	PASS
		8	4	5.65	<13	PASS
		8	7	5.7	<13	PASS
		15	0	6.1	<13	PASS
	HCH	1	0	5.38	<13	PASS
		1	7	5.26	<13	PASS
		1	14	5.19	<13	PASS
		8	0	5.78	<13	PASS
		8	4	5.72	<13	PASS
		8	7	5.78	<13	PASS
		15	0	6.12	<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	3.62	<13	PASS
		1	12	4.02	<13	PASS
		1	24	4.01	<13	PASS
		12	0	4.78	<13	PASS
		12	6	4.73	<13	PASS
		12	13	4.8	<13	PASS
		25	0	5.11	<13	PASS
	MCH	1	0	4.65	<13	PASS
		1	12	4.62	<13	PASS
		1	24	4.27	<13	PASS
		12	0	4.9	<13	PASS
		12	6	4.76	<13	PASS
		12	13	4.81	<13	PASS
		25	0	5.3	<13	PASS
	HCH	1	0	4.61	<13	PASS
		1	12	4.39	<13	PASS
		1	24	4.26	<13	PASS
		12	0	4.88	<13	PASS
		12	6	4.83	<13	PASS
		12	13	4.87	<13	PASS
		25	0	5.4	<13	PASS
16QAM	LCH	1	0	4.7	<13	PASS
		1	12	4.91	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.66	<13	PASS

		12	6	5.57	<13	PASS
		12	13	5.64	<13	PASS
		25	0	5.89	<13	PASS
MCH	MCH	1	0	5.42	<13	PASS
		1	12	5.39	<13	PASS
		1	24	5.28	<13	PASS
		12	0	5.79	<13	PASS
		12	6	5.64	<13	PASS
		12	13	5.64	<13	PASS
		25	0	6.05	<13	PASS
HCH	HCH	1	0	4.79	<13	PASS
		1	12	5.32	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.25	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.72	<13	PASS
		25	0	6.12	<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	3.79	<13	PASS
		1	24	4.17	<13	PASS
		1	49	4.04	<13	PASS
		25	0	4.81	<13	PASS
		25	12	4.66	<13	PASS
		25	25	4.77	<13	PASS
		50	0	5.07	<13	PASS
	MCH	1	0	4.62	<13	PASS
		1	24	4.52	<13	PASS
		1	49	3.96	<13	PASS
		25	0	4.95	<13	PASS
		25	12	4.78	<13	PASS
		25	25	4.79	<13	PASS
		50	0	5.12	<13	PASS
	HCH	1	0	4.48	<13	PASS
		1	24	3.61	<13	PASS
		1	49	4.27	<13	PASS
		25	0	4.85	<13	PASS
		25	12	4.58	<13	PASS
		25	25	4.94	<13	PASS

		50	0	4.89	<13	PASS
16QAM	LCH	1	0	5.61	<13	PASS
		1	24	4.85	<13	PASS
		1	49	4.7	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.51	<13	PASS
		25	25	5.58	<13	PASS
		50	0	5.82	<13	PASS
	MCH	1	0	5.31	<13	PASS
		1	24	5.33	<13	PASS
		1	49	4.64	<13	PASS
		25	0	5.85	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.65	<13	PASS
		50	0	5.88	<13	PASS
	HCH	1	0	5	<13	PASS
		1	24	5.54	<13	PASS
		1	49	4.74	<13	PASS
		25	0	5.7	<13	PASS
		25	12	5.49	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.74	<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	5.02	<13	PASS
		1	37	3.98	<13	PASS
		1	74	5.4	<13	PASS
		37	0	4.61	<13	PASS
		37	18	4.85	<13	PASS
		37	38	4.61	<13	PASS
		75	0	4.85	<13	PASS
	MCH	1	0	5.65	<13	PASS
		1	37	4.31	<13	PASS
		1	74	4.92	<13	PASS
		37	0	4.76	<13	PASS
		37	18	4.94	<13	PASS
		37	38	4.73	<13	PASS
		75	0	4.88	<13	PASS
	HCH	1	0	5.57	<13	PASS

		1	37	4.15	<13	PASS
		1	74	5.77	<13	PASS
		37	0	4.65	<13	PASS
		37	18	4.91	<13	PASS
		37	38	4.7	<13	PASS
		75	0	4.84	<13	PASS
16QAM	LCH	1	0	5.75	<13	PASS
		1	37	4.95	<13	PASS
		1	74	6.11	<13	PASS
		37	0	5.71	<13	PASS
		37	18	8.57	<13	PASS
		37	38	5.73	<13	PASS
		75	0	6	<13	PASS
	MCH	1	0	6.53	<13	PASS
		1	37	5.33	<13	PASS
		1	74	5.56	<13	PASS
		37	0	5.95	<13	PASS
		37	18	5.79	<13	PASS
		37	38	5.89	<13	PASS
		75	0	6.17	<13	PASS
	HCH	1	0	6.41	<13	PASS
		1	37	5.29	<13	PASS
		1	74	6.35	<13	PASS
		37	0	5.82	<13	PASS
		37	18	5.73	<13	PASS
		37	38	5.88	<13	PASS
		75	0	6.11	<13	PASS

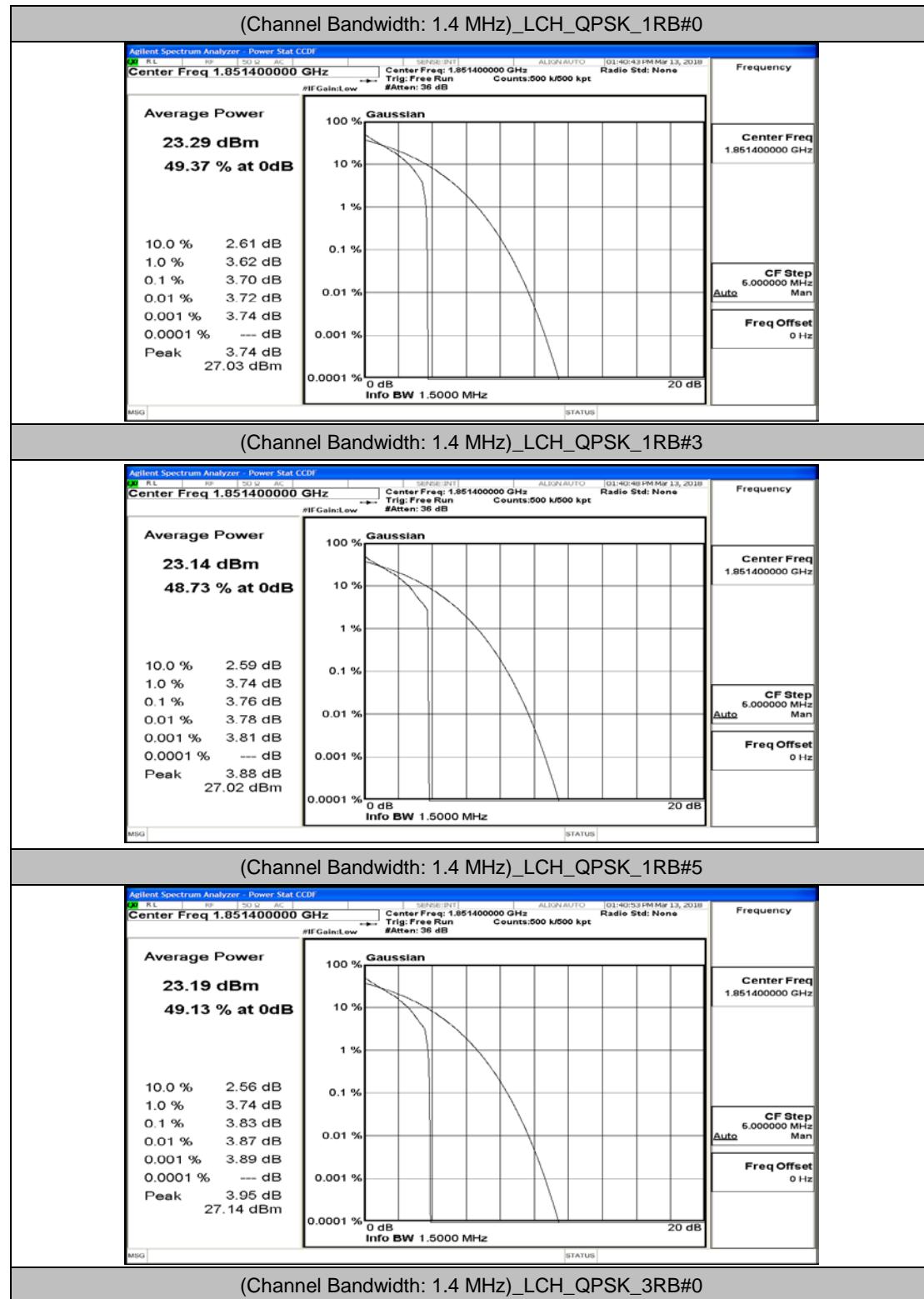
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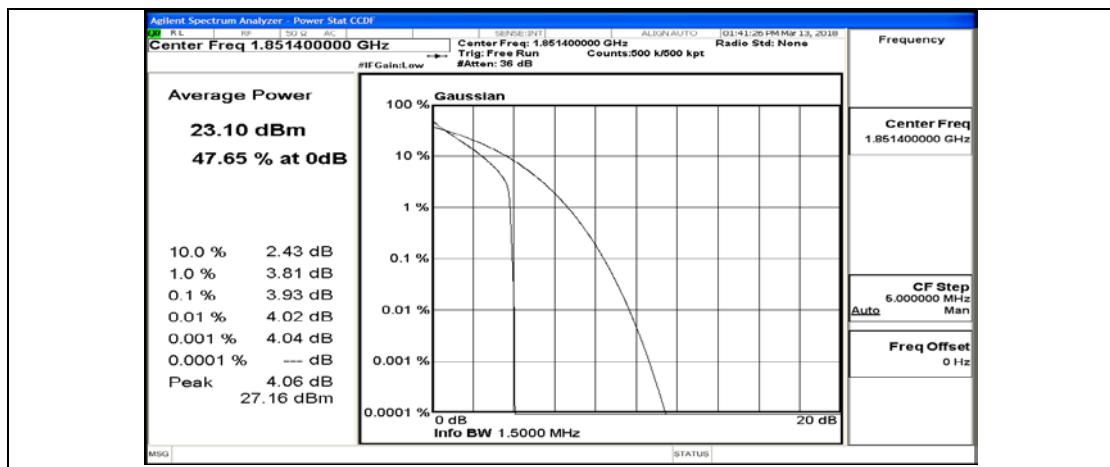
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.72	<13	PASS
		1	49	3.89	<13	PASS
		1	99	11.72	<13	PASS
		50	0	5.35	<13	PASS
		50	25	5.07	<13	PASS
		50	50	5.62	<13	PASS
		100	0	5.63	<13	PASS
	MCH	1	0	8.85	<13	PASS
		1	49	4.43	<13	PASS
		1	99	9.19	<13	PASS

	HCH	50	0	5.52	<13	PASS
		50	25	5.03	<13	PASS
		50	50	5.75	<13	PASS
		100	0	5.69	<13	PASS
		1	0	11.48	<13	PASS
		1	49	4.48	<13	PASS
		1	99	11.64	<13	PASS
		50	0	5.72	<13	PASS
16QAM	LCH	50	25	5.04	<13	PASS
		50	50	5.68	<13	PASS
		100	0	5.74	<13	PASS
		1	0	8.82	<13	PASS
		1	49	4.38	<13	PASS
		1	99	10.73	<13	PASS
		50	0	6.3	<13	PASS
	MCH	50	25	5.8	<13	PASS
		50	50	6.43	<13	PASS
		100	0	6.54	<13	PASS
		1	0	9.13	<13	PASS
		1	49	5.05	<13	PASS
		1	99	9.71	<13	PASS
		50	0	6.6	<13	PASS
	HCH	50	25	5.89	<13	PASS
		50	50	6.55	<13	PASS
		100	0	6.75	<13	PASS
		1	0	11.9	<13	PASS
		1	49	5.02	<13	PASS
		1	99	12.26	<13	PASS
		50	0	6.61	<13	PASS

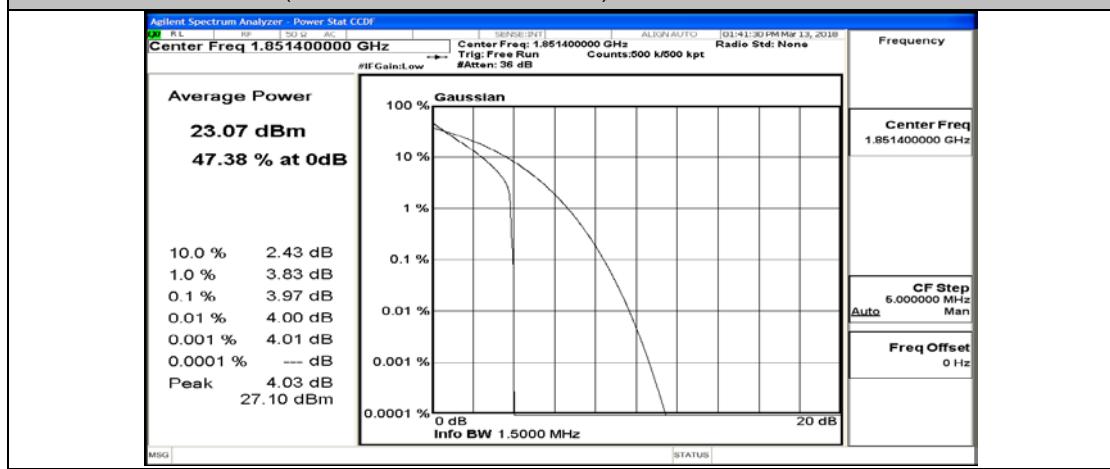
## Test Graphs

### Channel Bandwidth: 1.4 MHz

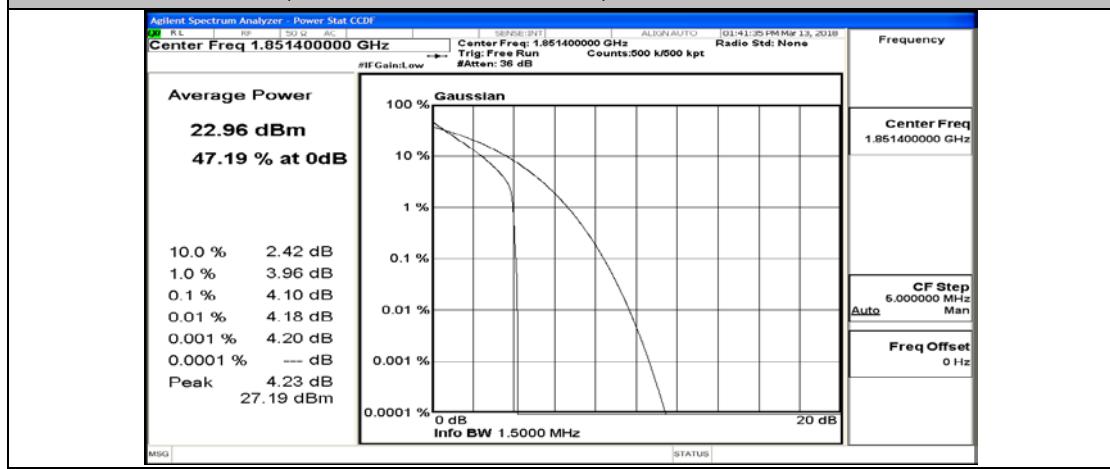




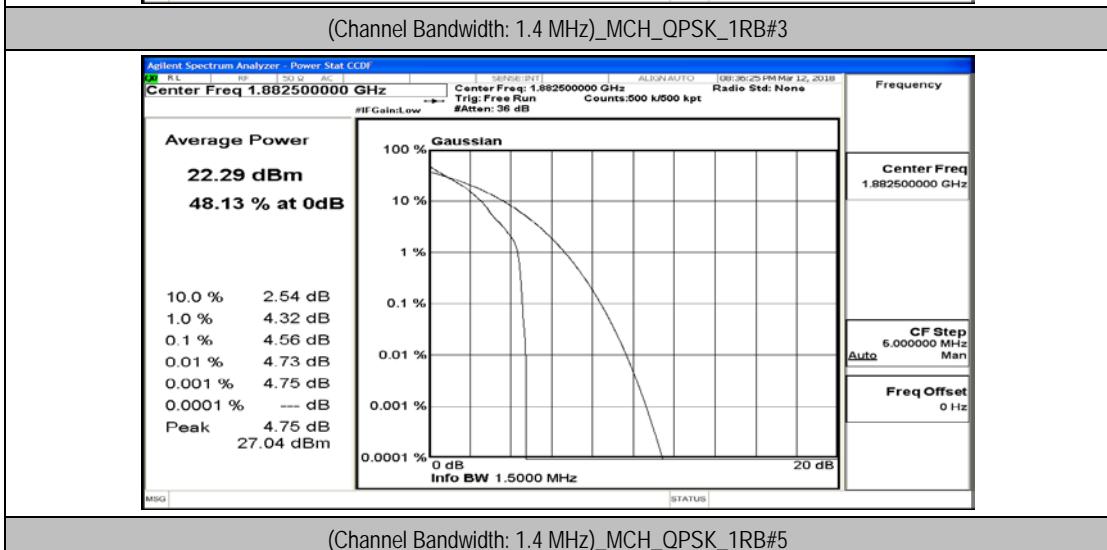
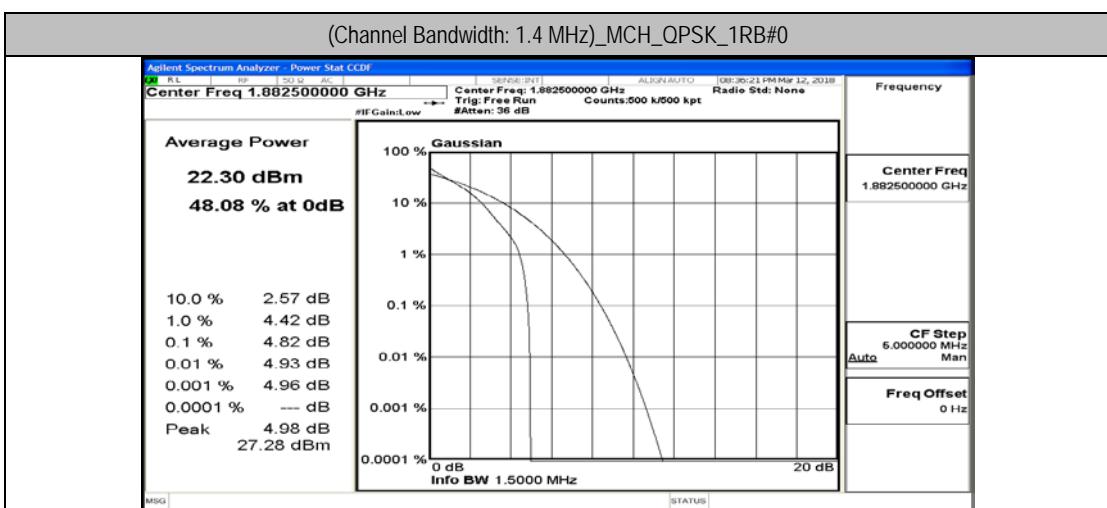
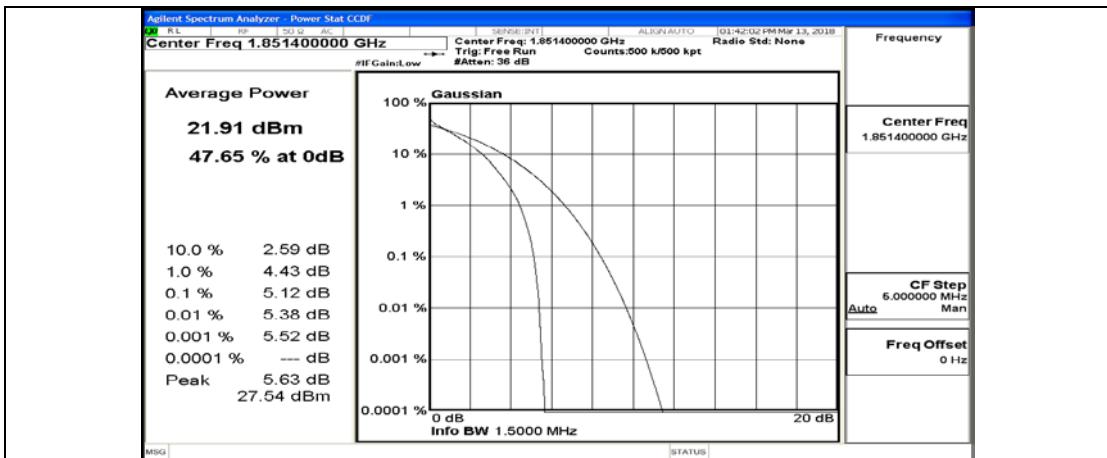
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_3RB#2



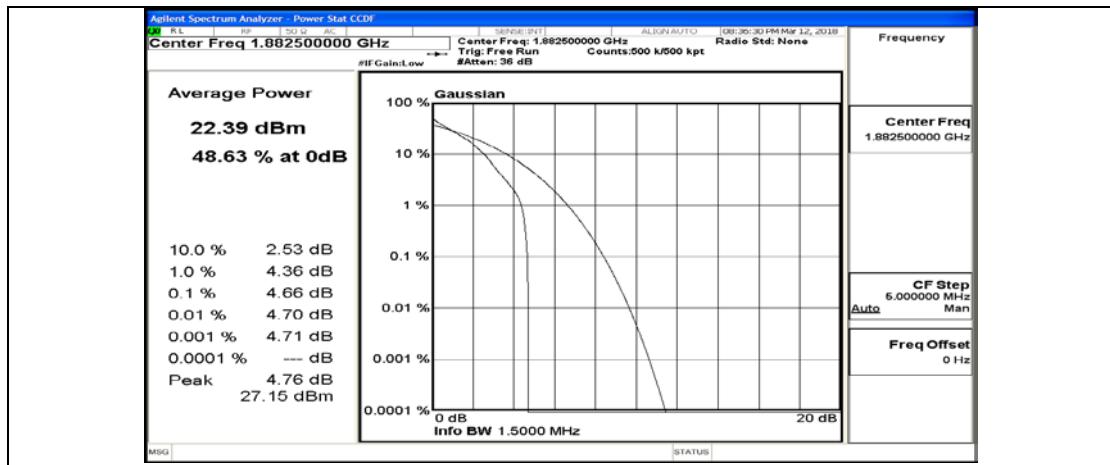
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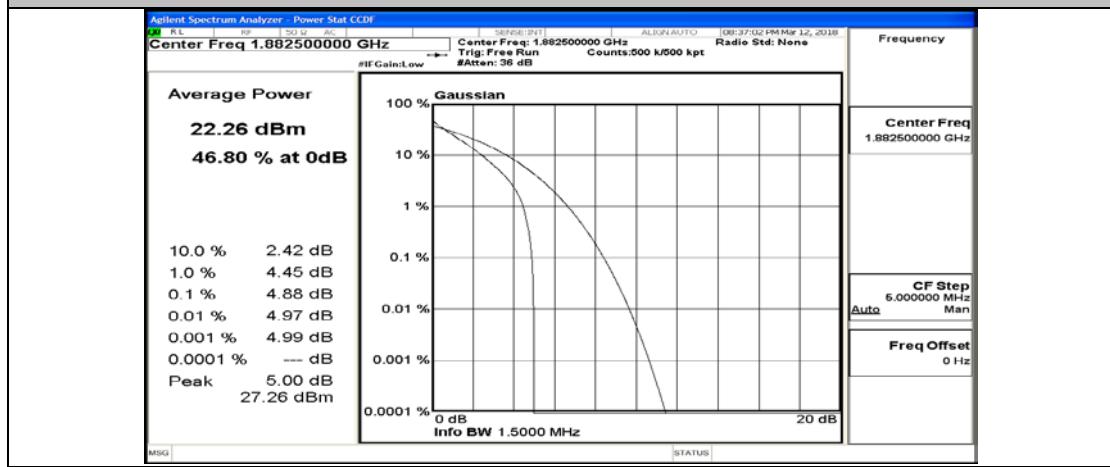
(Channel Bandwidth: 1.4 MHz)\_LCH\_QPSK\_6RB#0



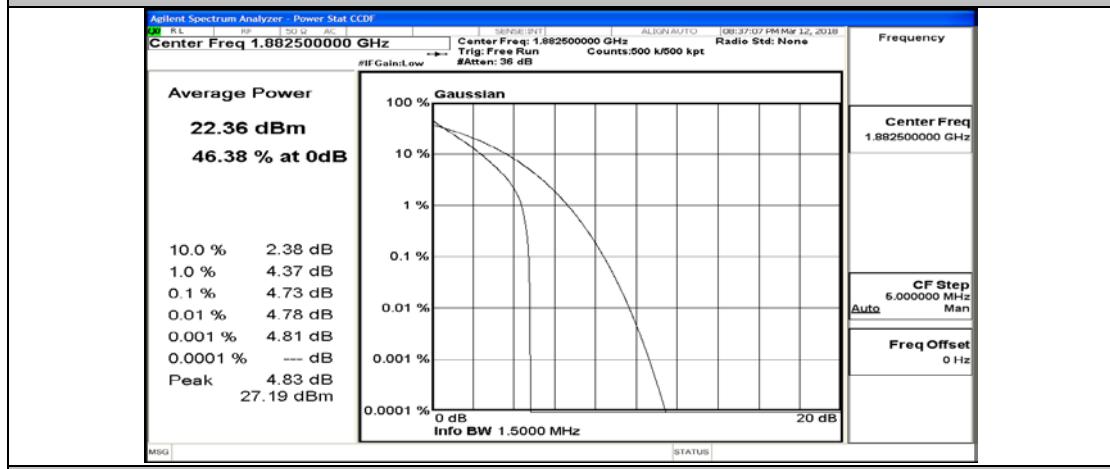
**(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5**



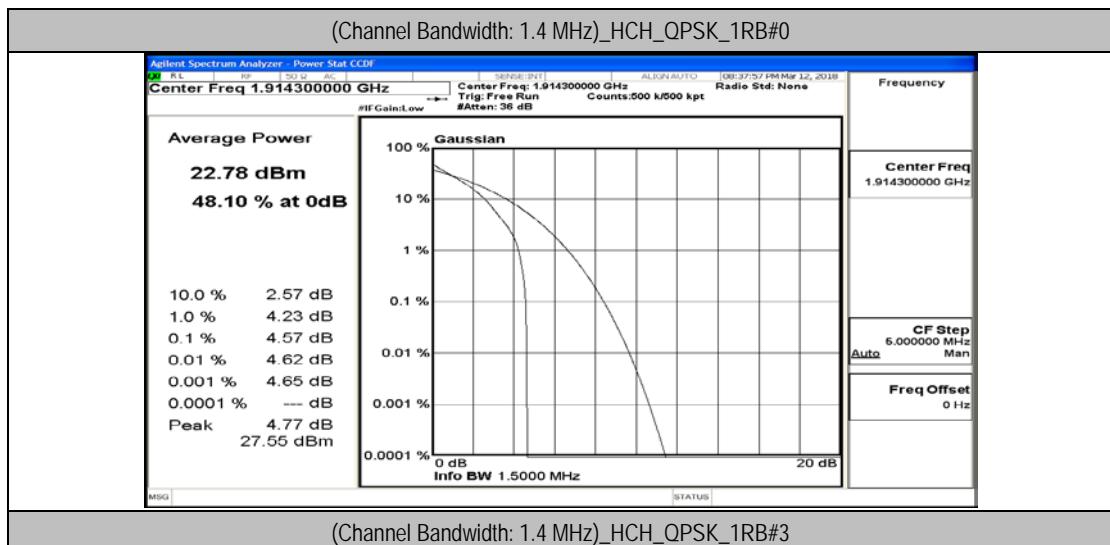
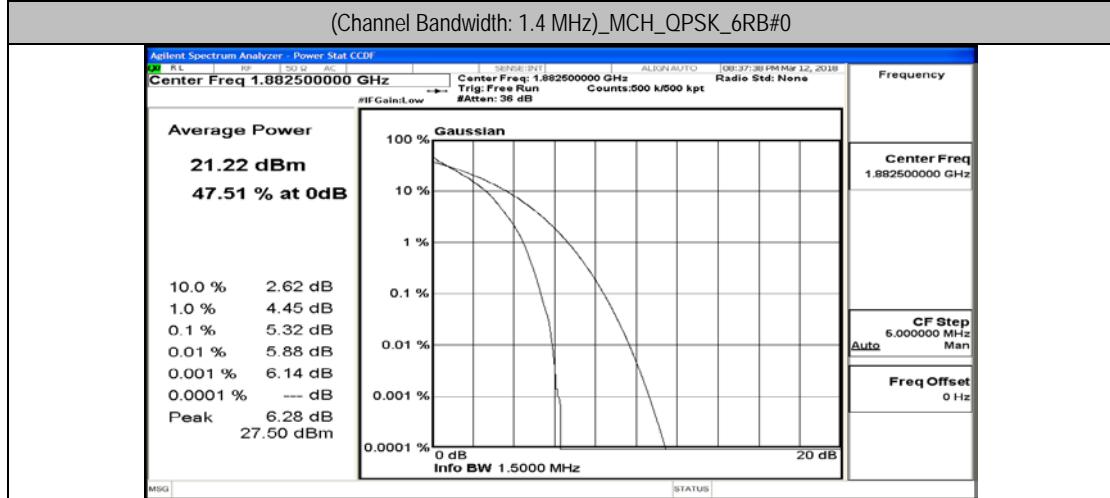
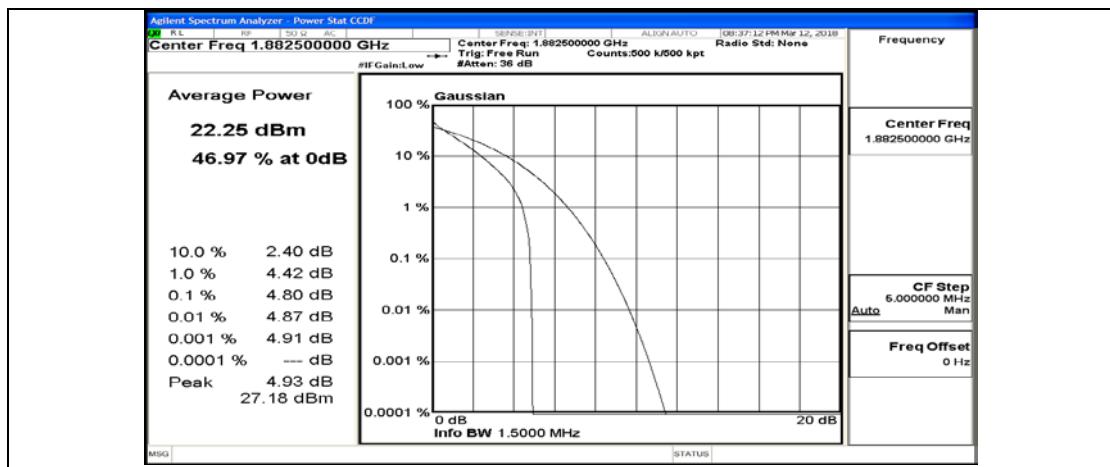
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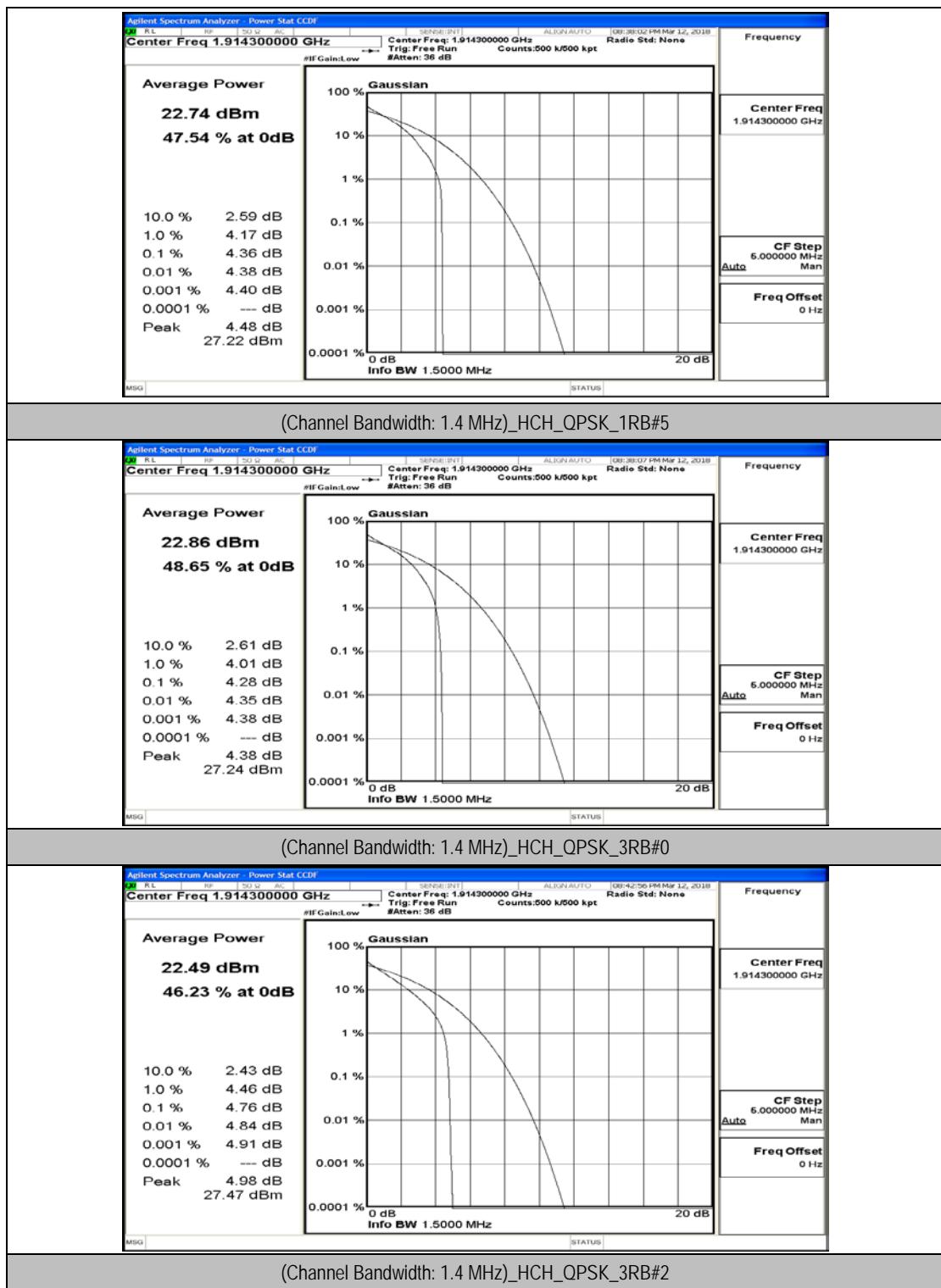


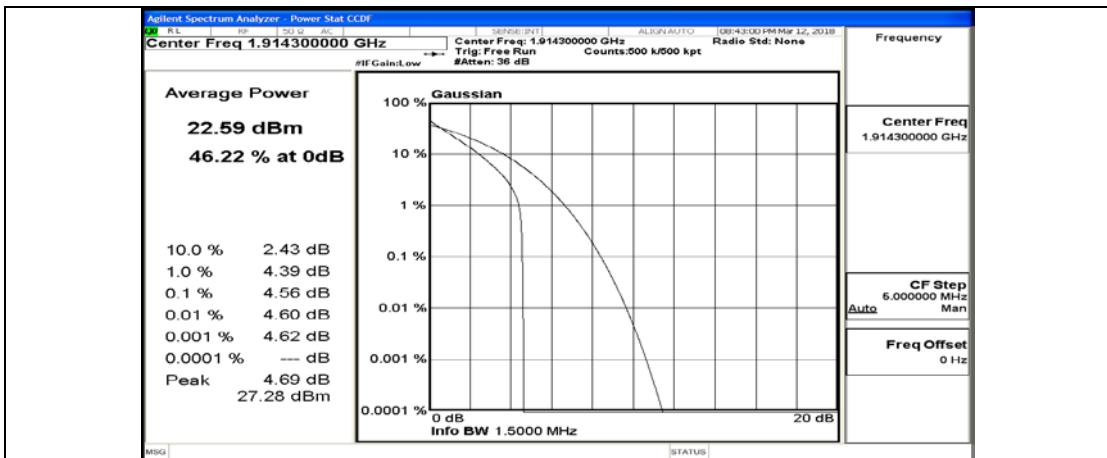
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_3RB#2



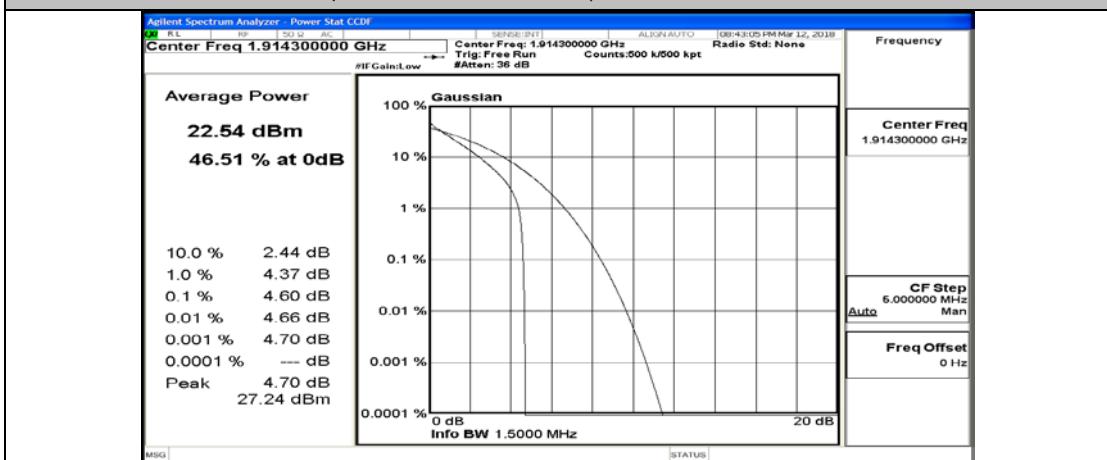
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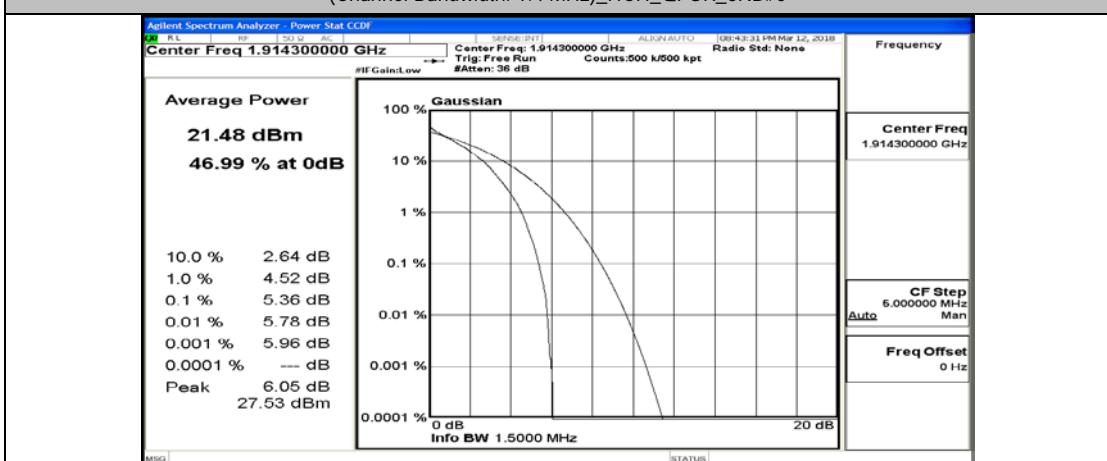




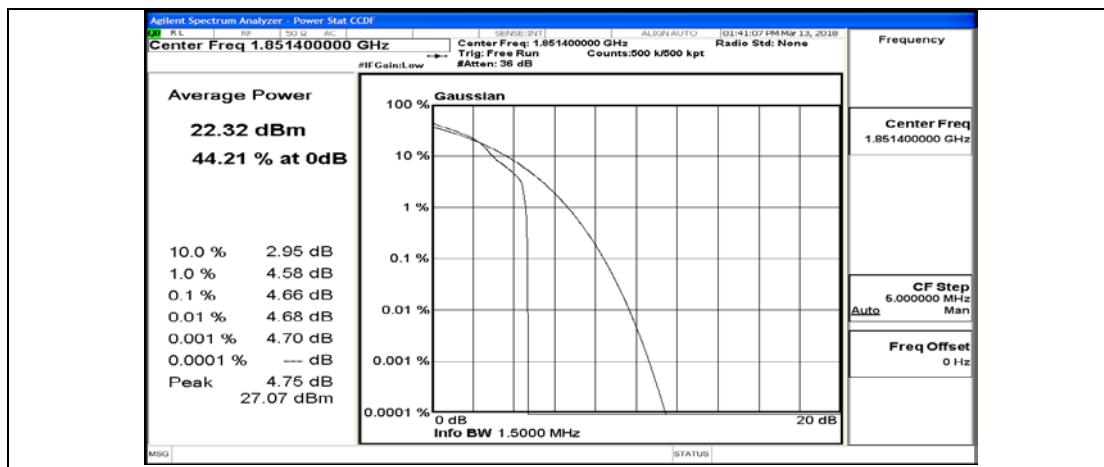
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_3RB#3



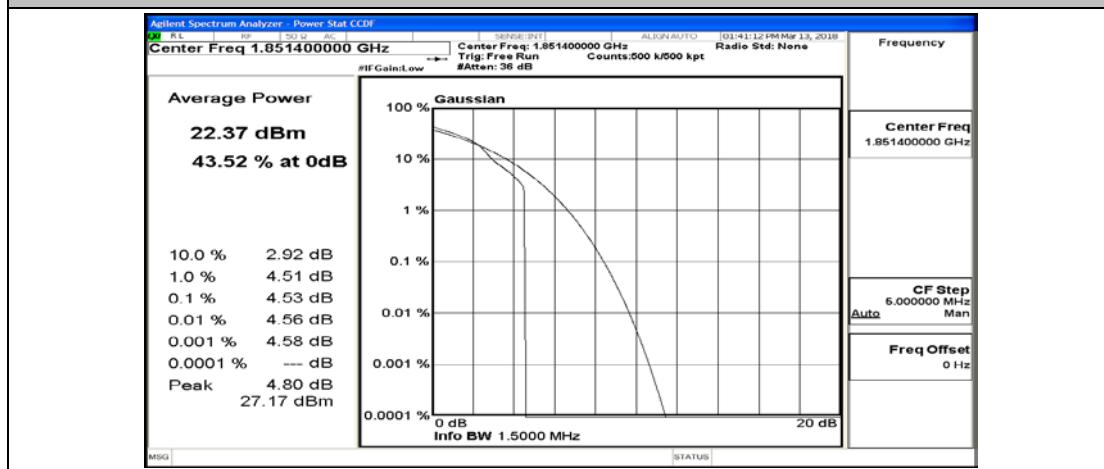
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_6RB#0



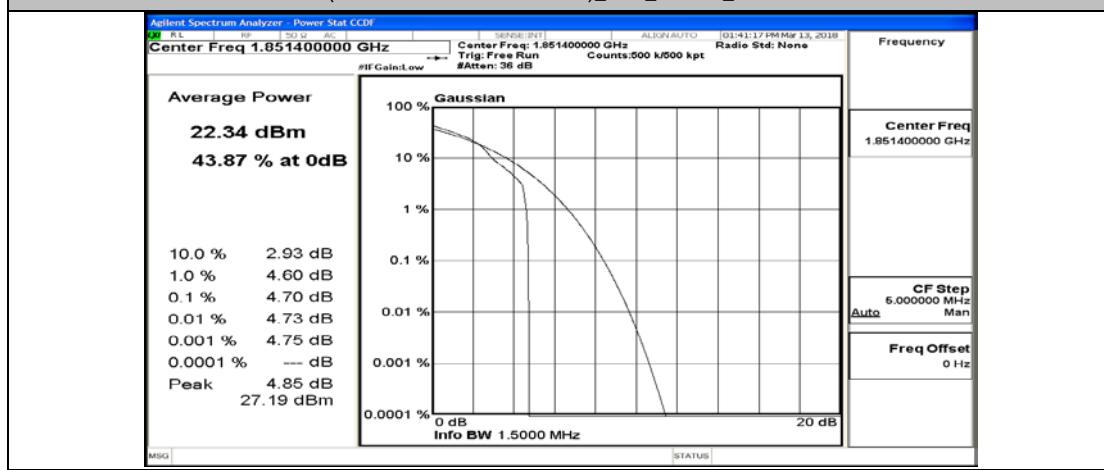
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_1RB#0



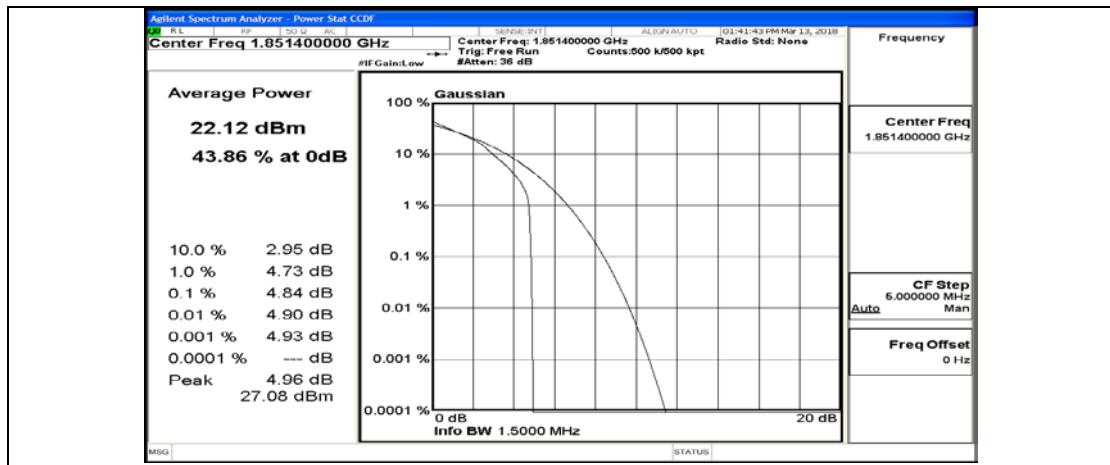
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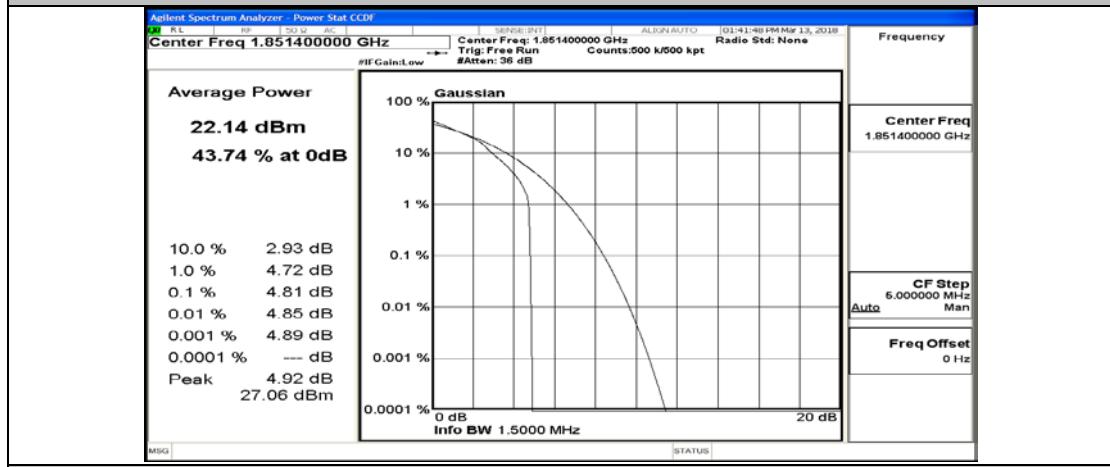
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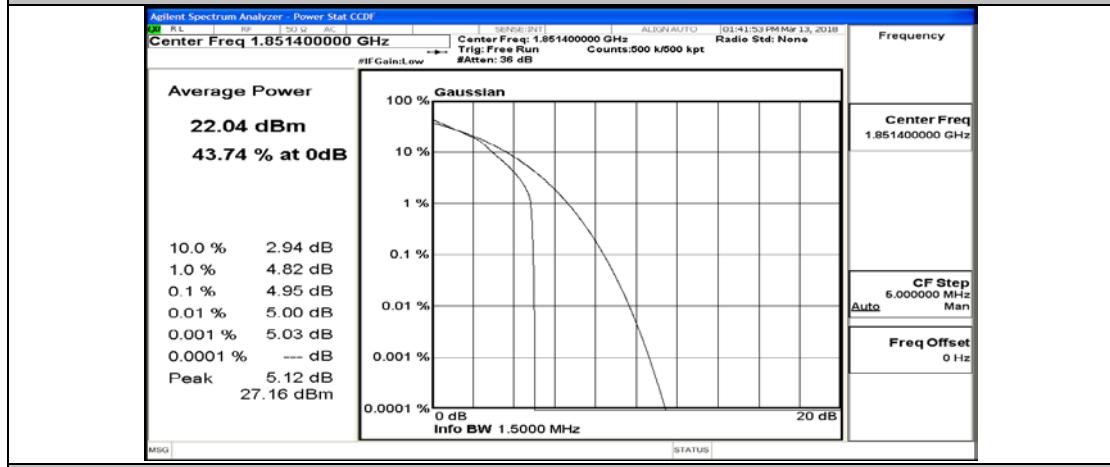
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#0



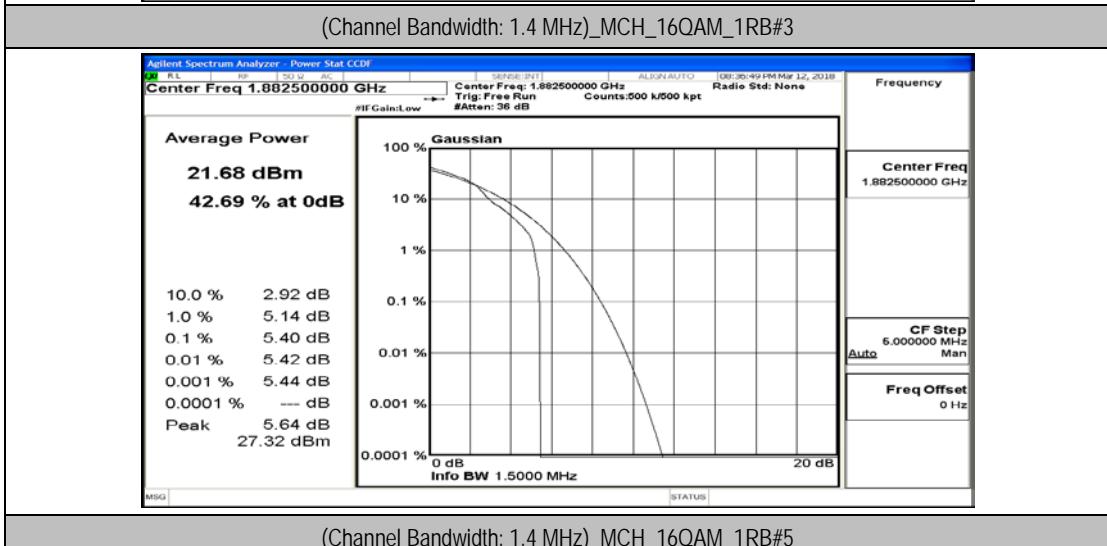
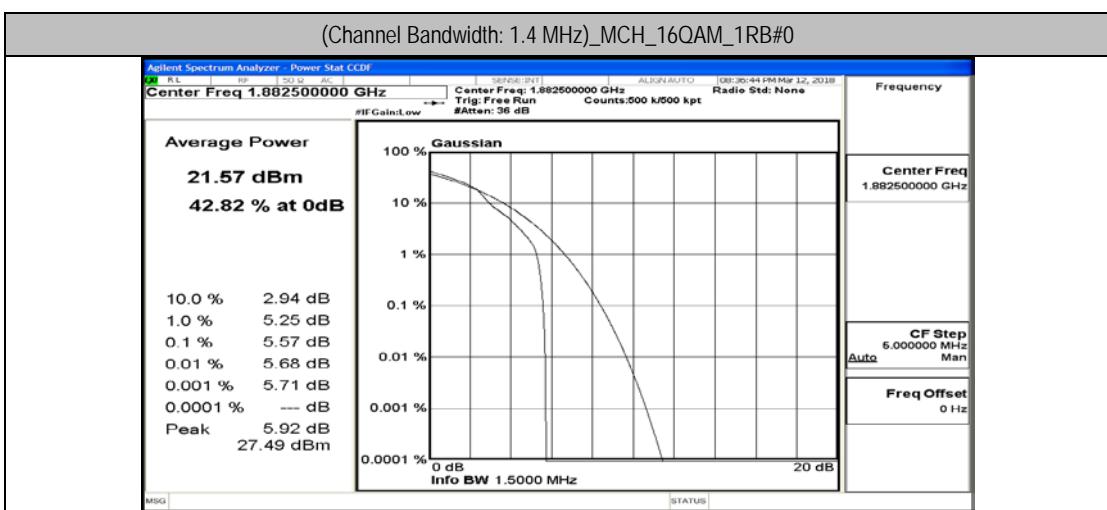
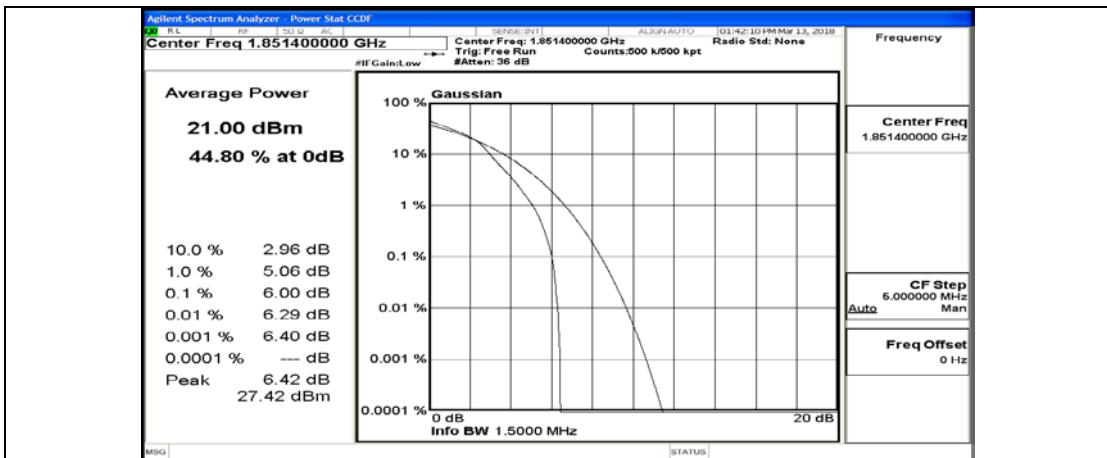
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#2



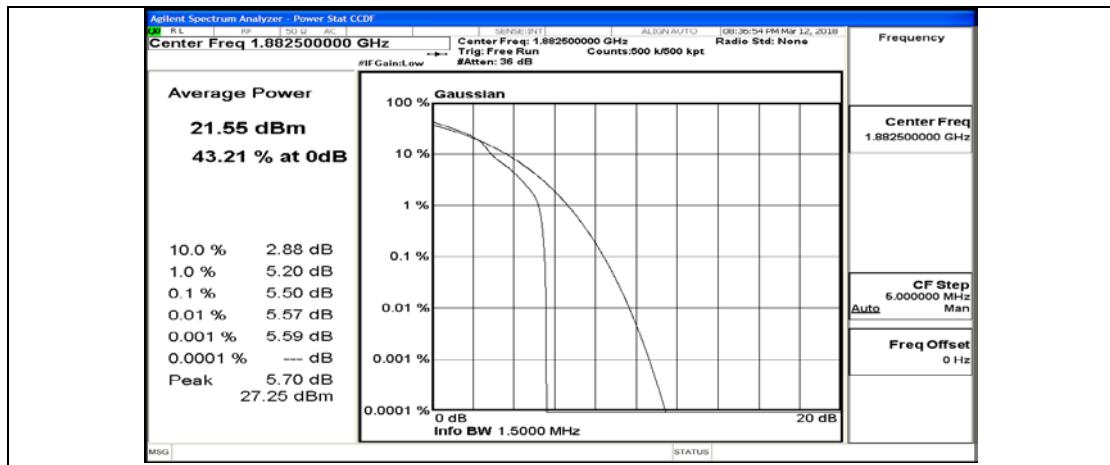
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#3



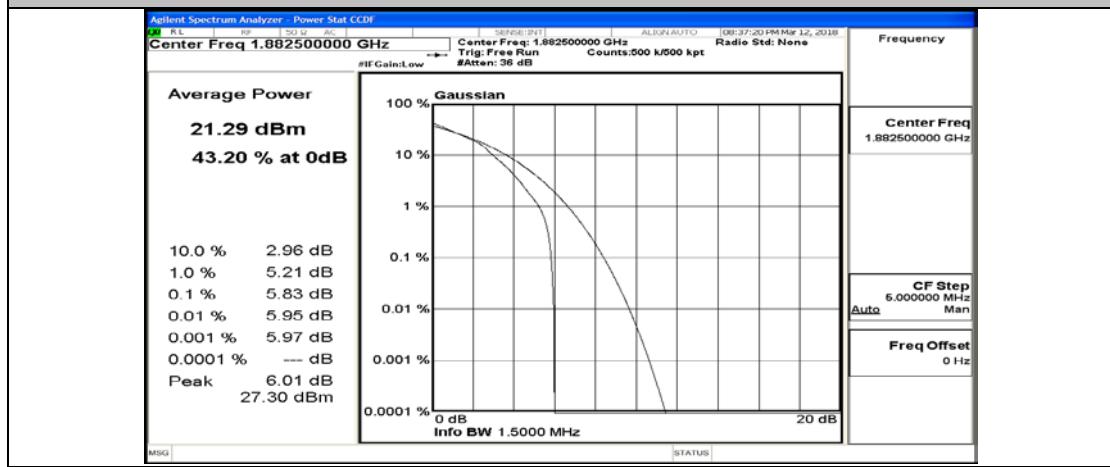
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_6RB#0



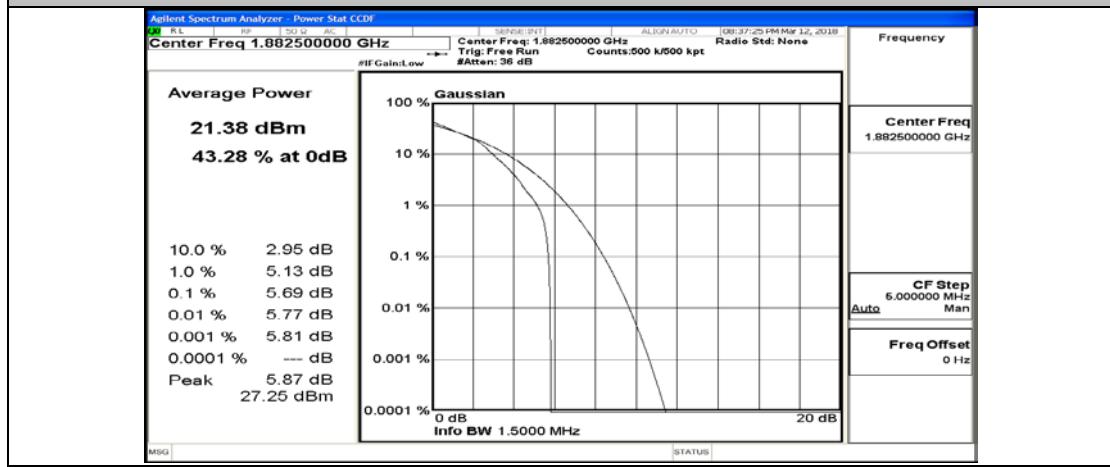
**(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5**



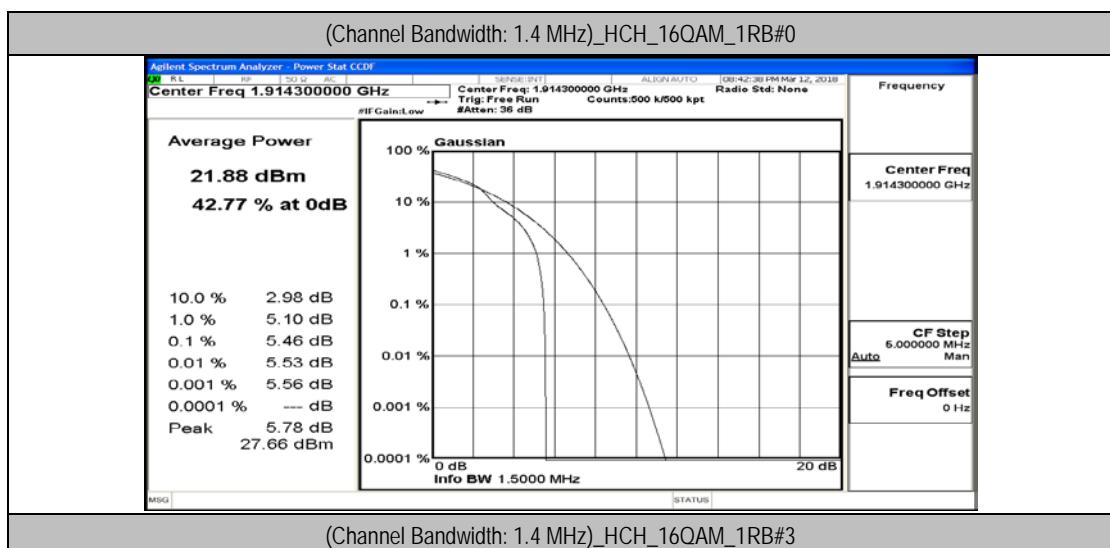
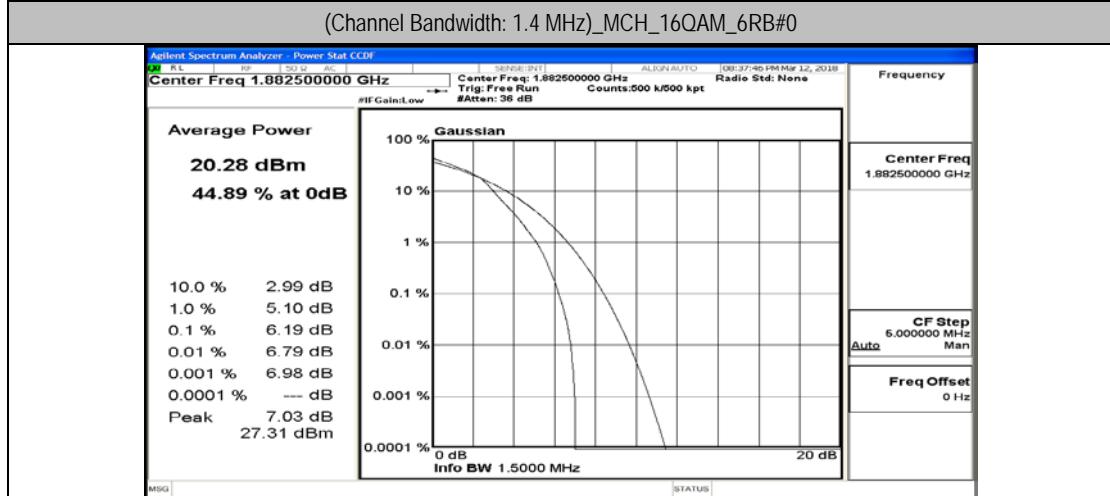
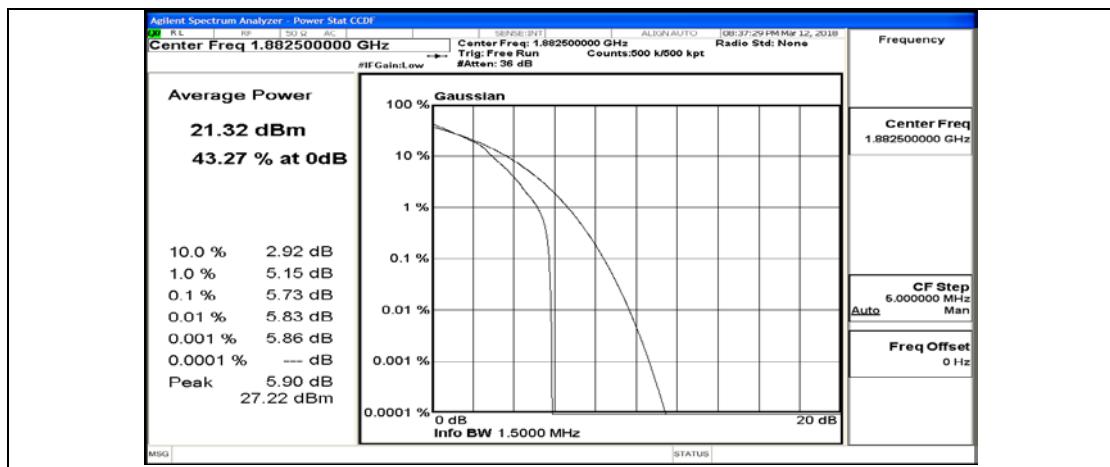
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_3RB#0



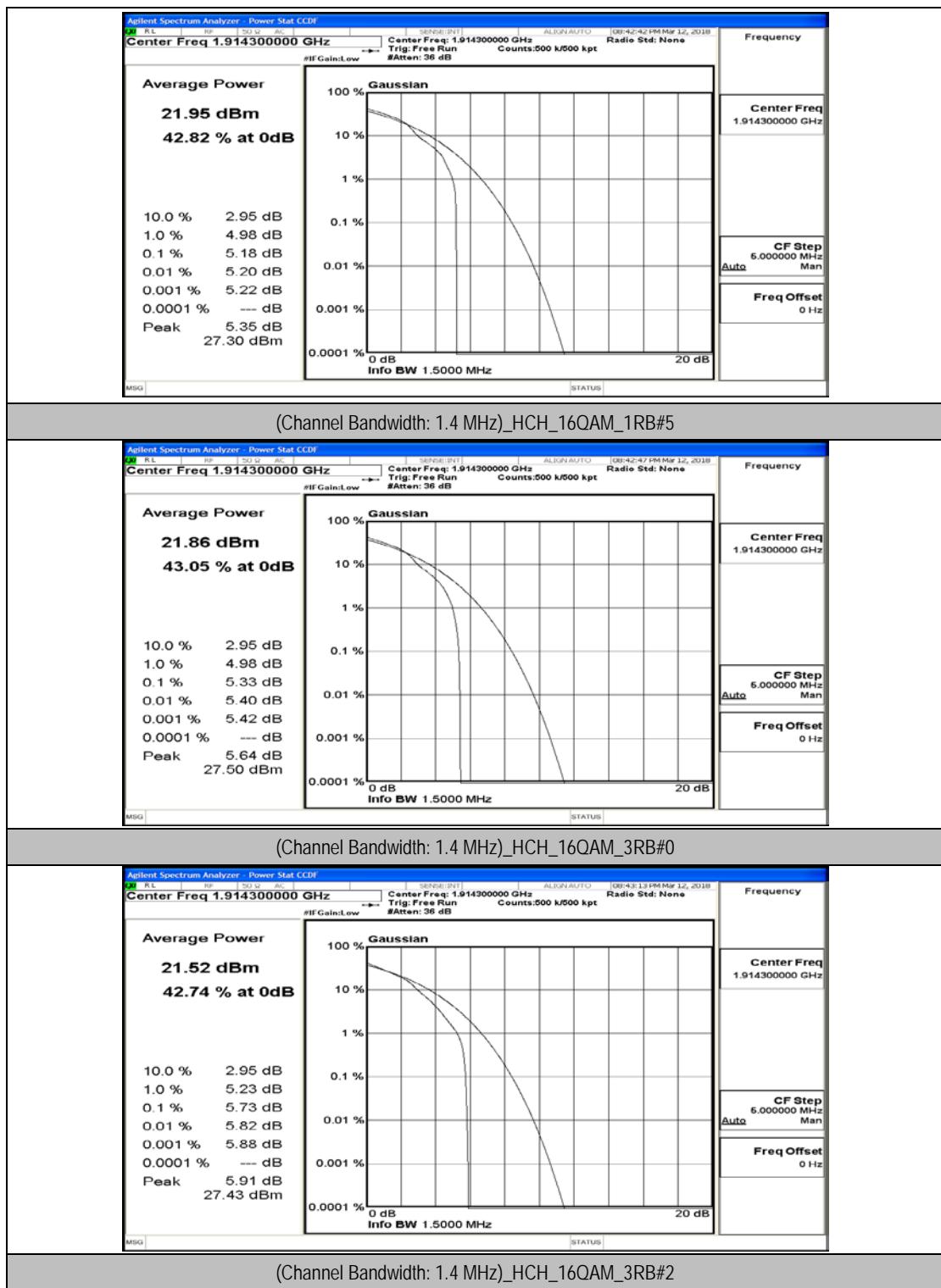
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_3RB#2

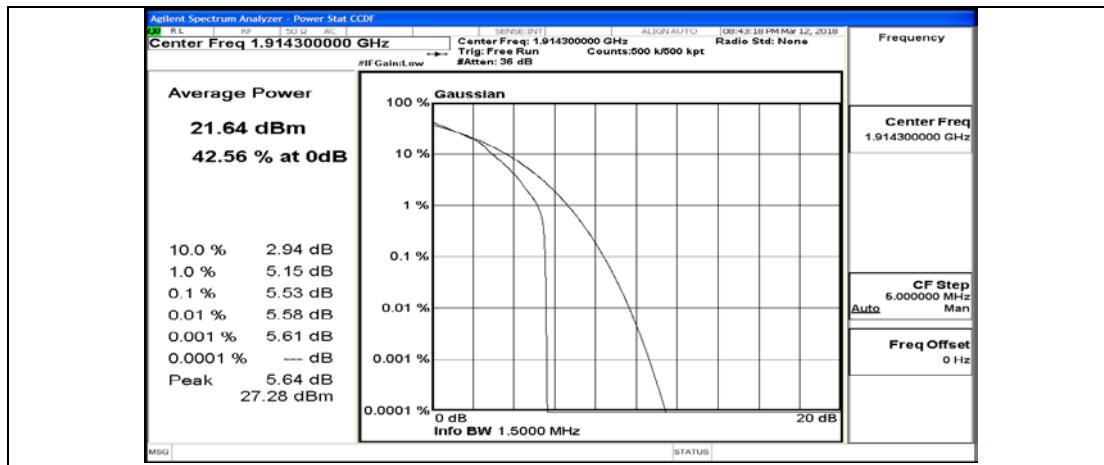


(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_3RB#3

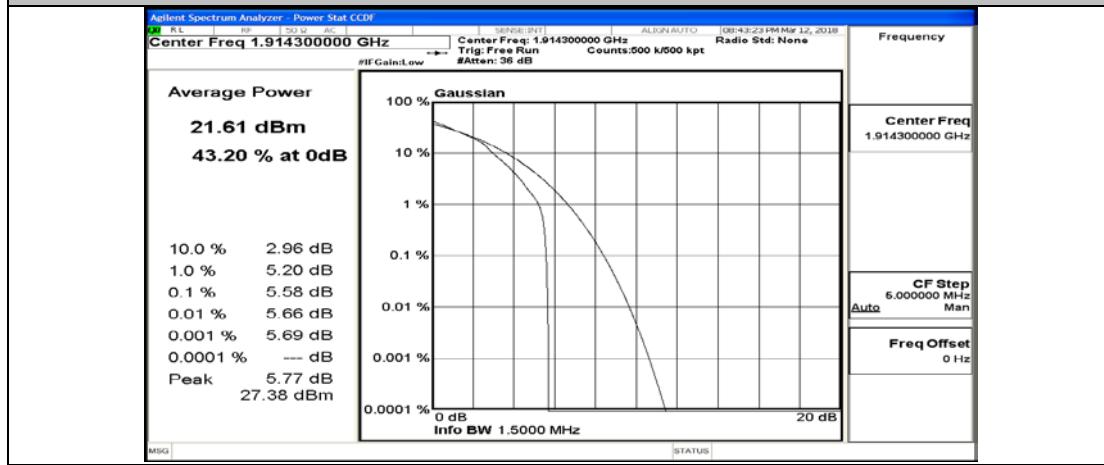


**(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3**

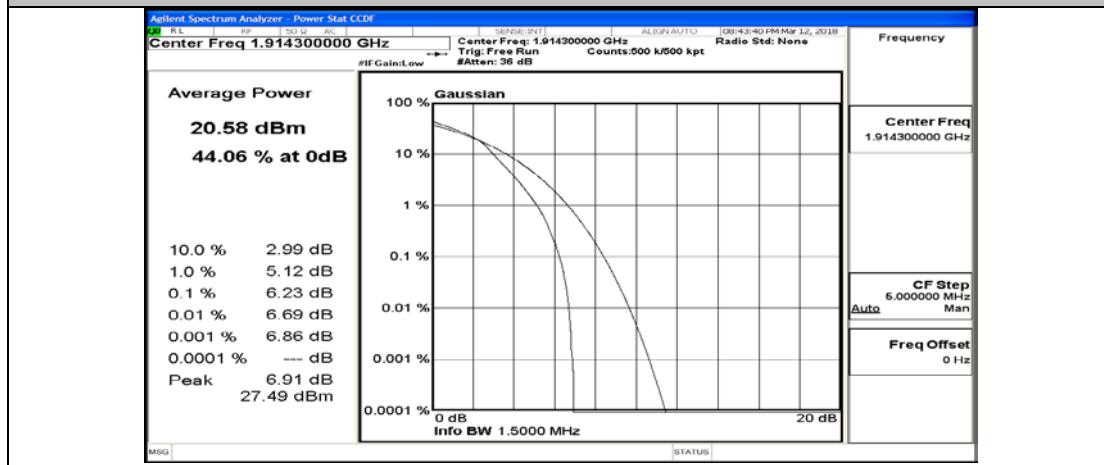




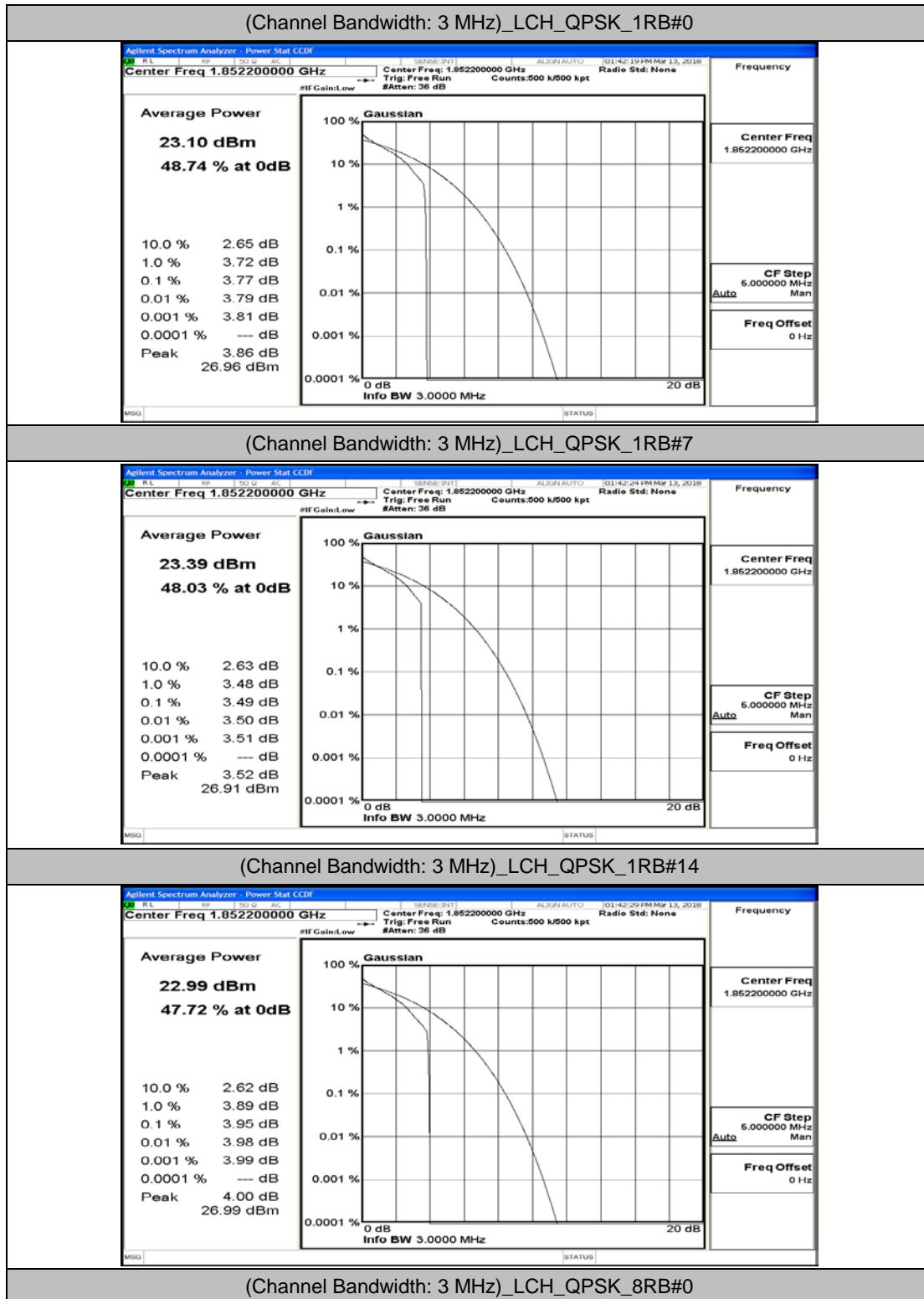
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_3RB#3

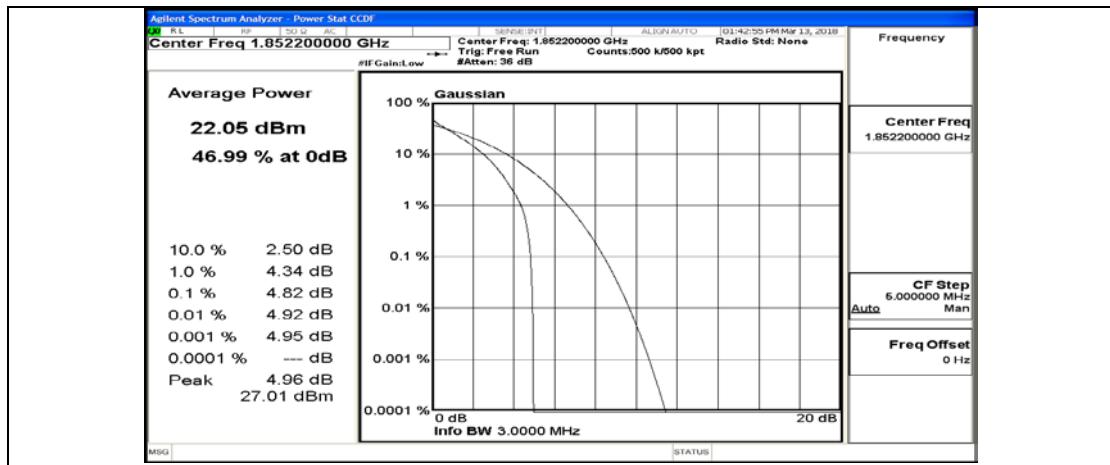


(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_6RB#0

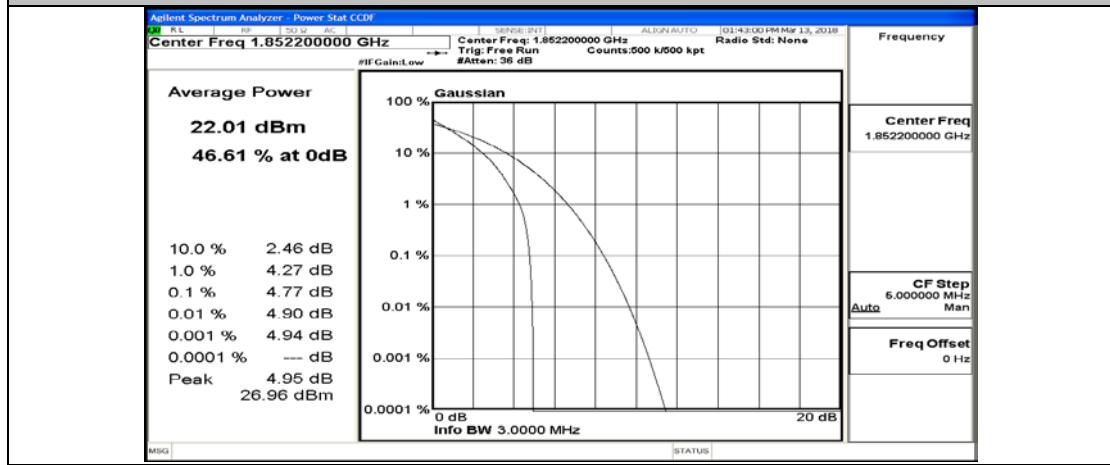


## Channel Bandwidth: 3 MHz

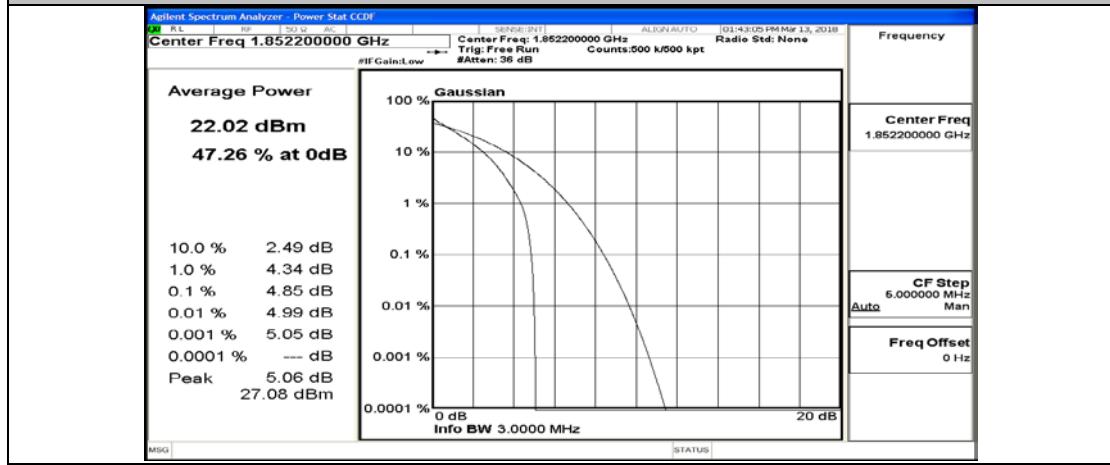




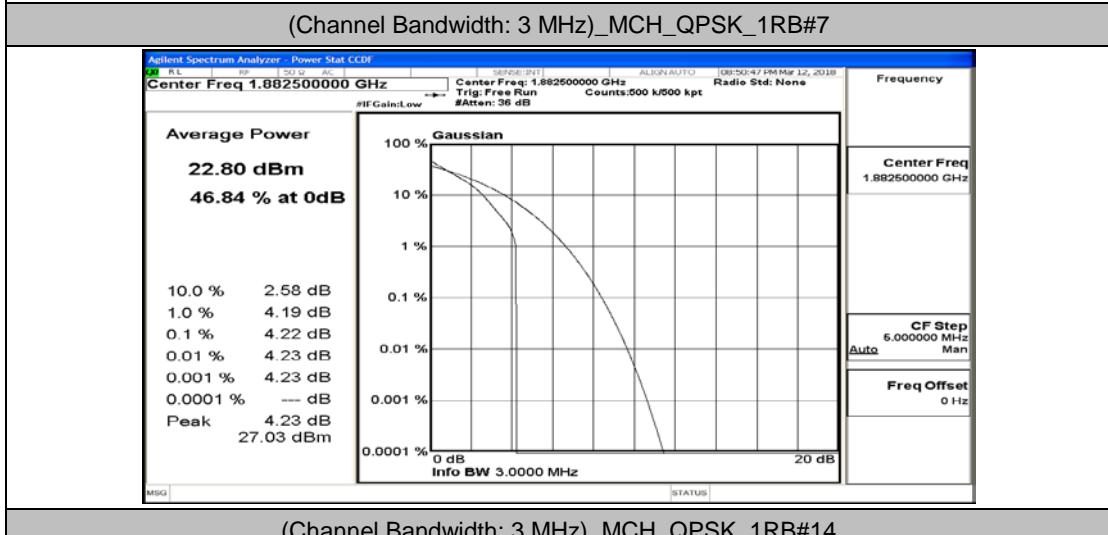
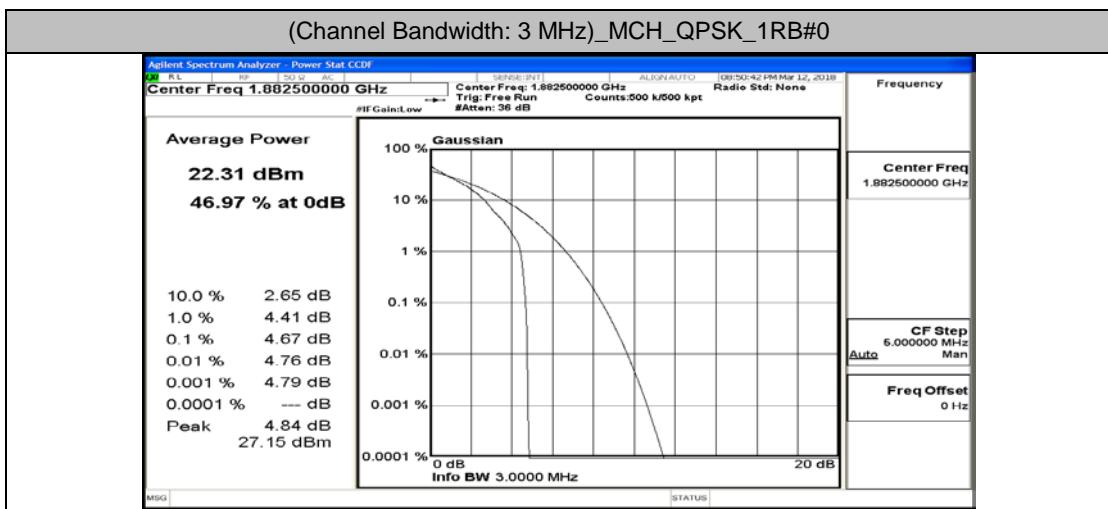
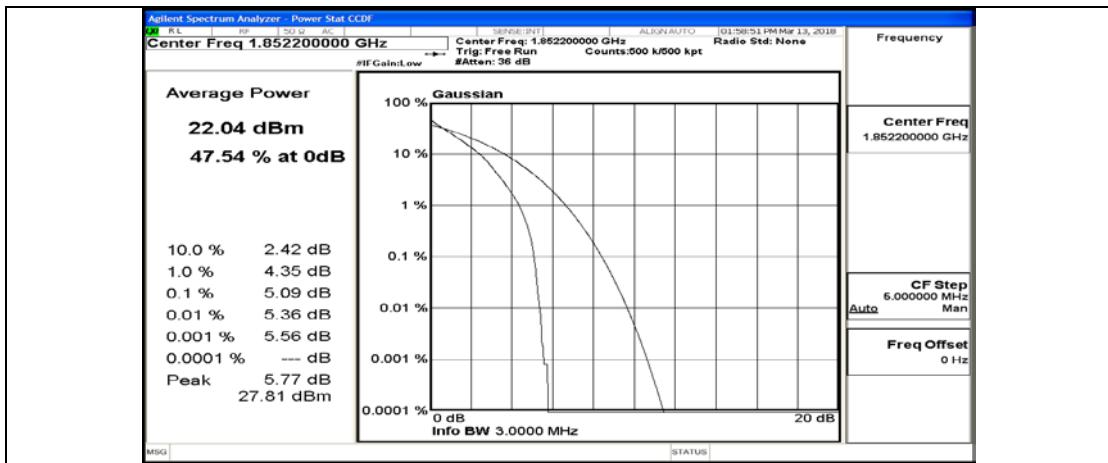
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_8RB#4



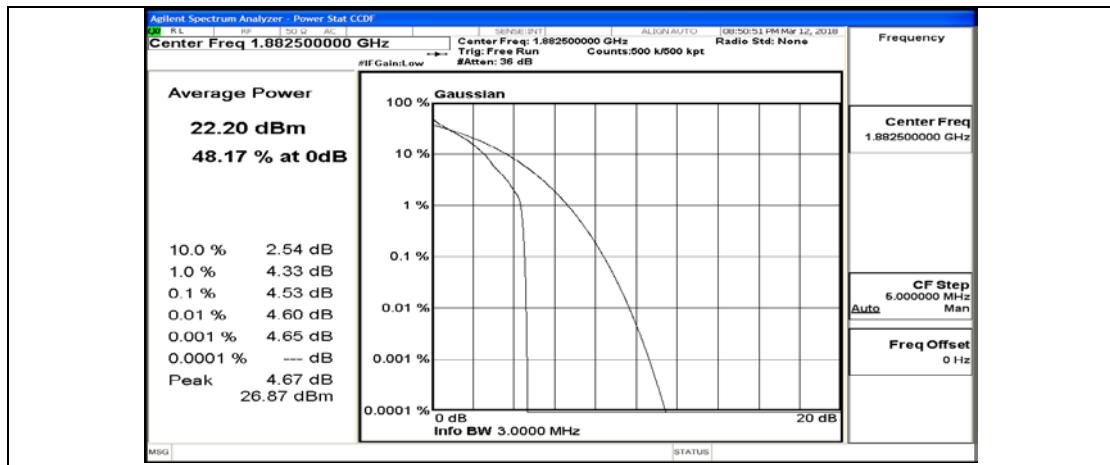
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_8RB#7



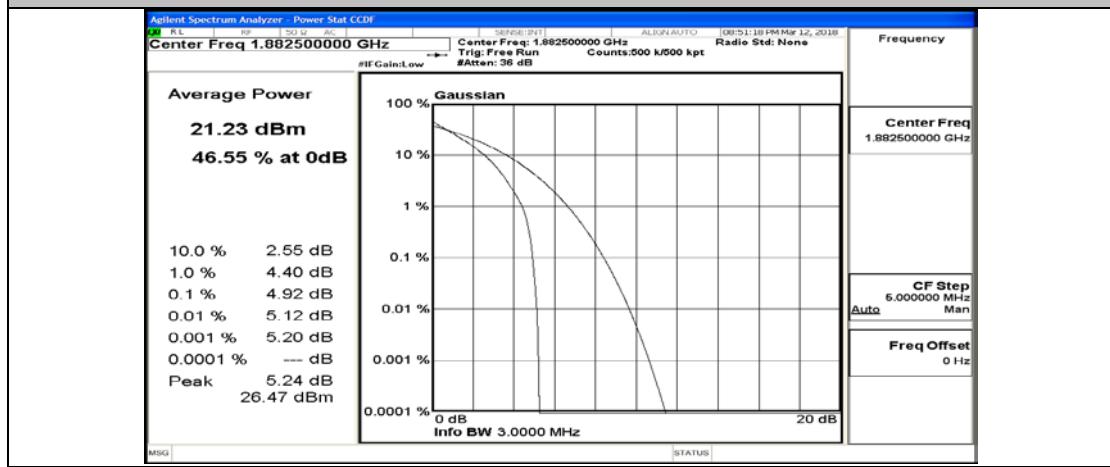
(Channel Bandwidth: 3 MHz)\_LCH\_QPSK\_15RB#0



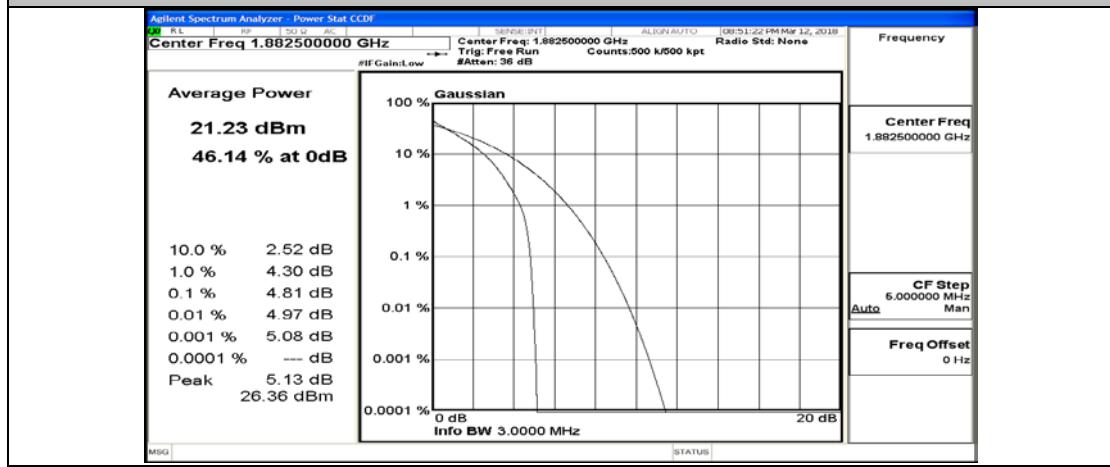
**(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14**



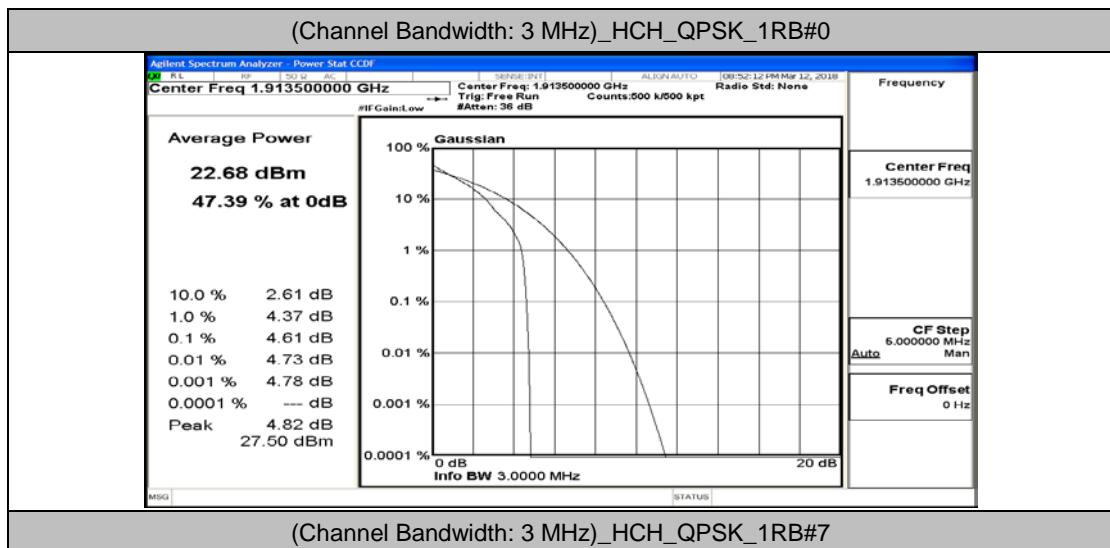
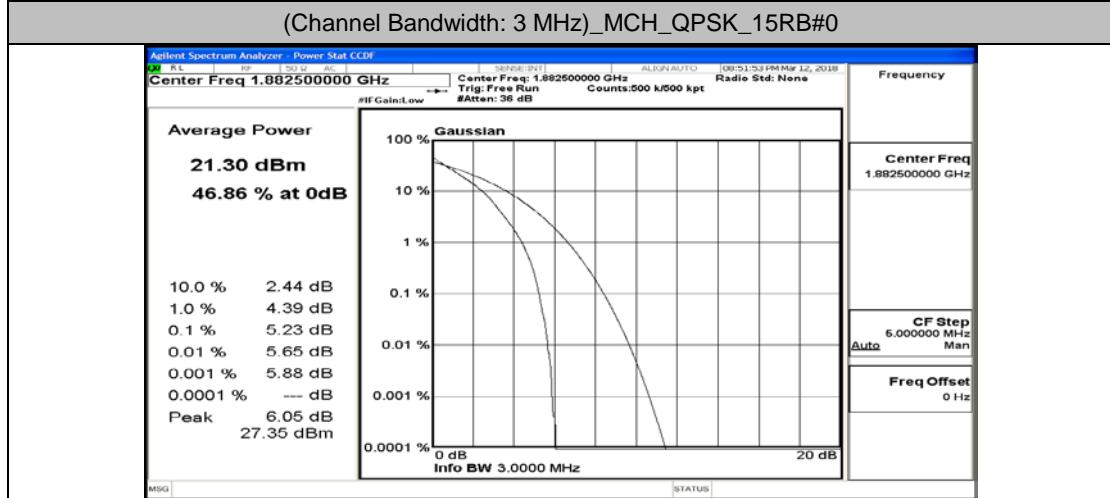
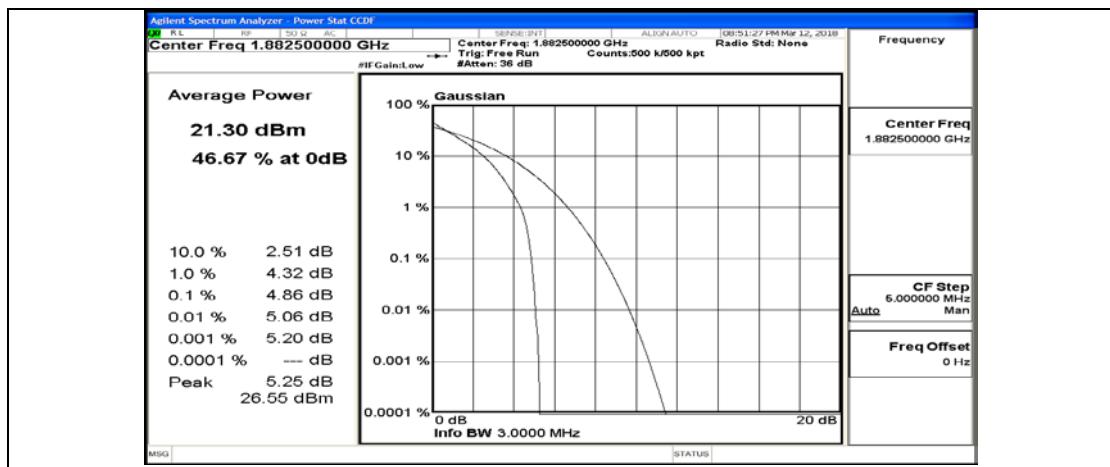
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#0

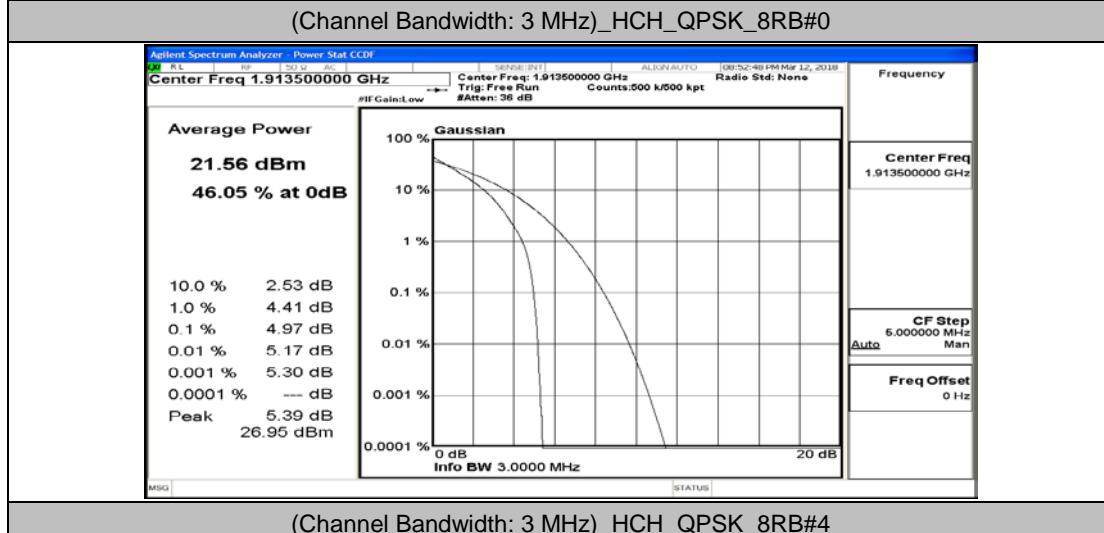
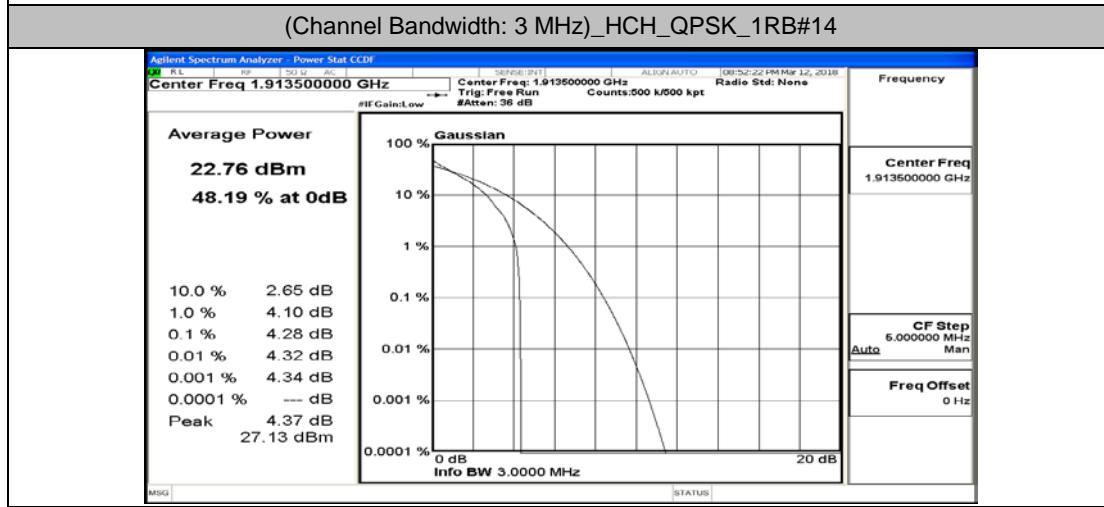
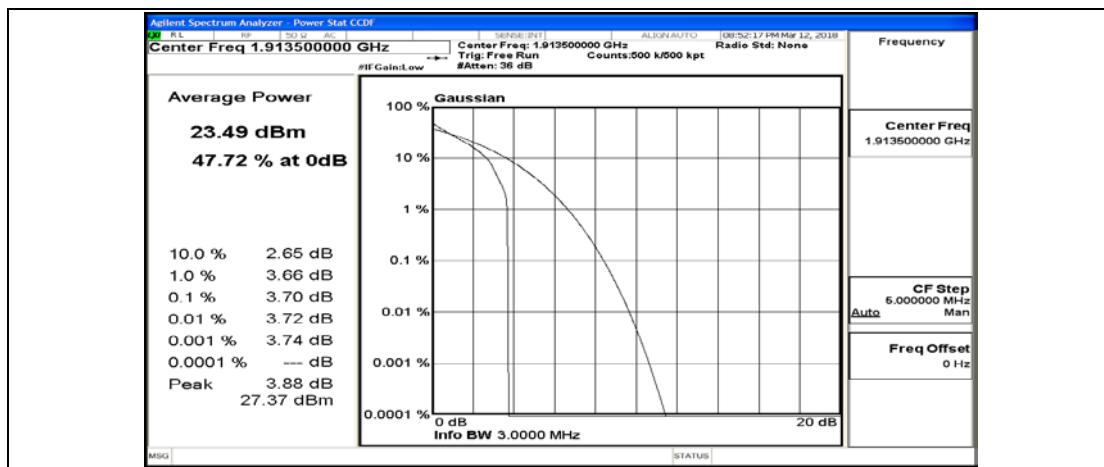


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#4

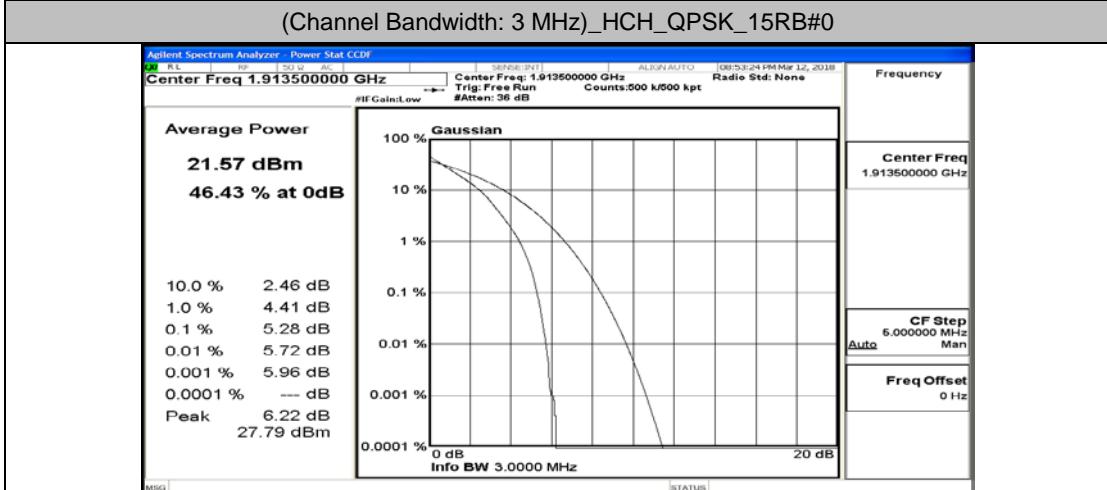
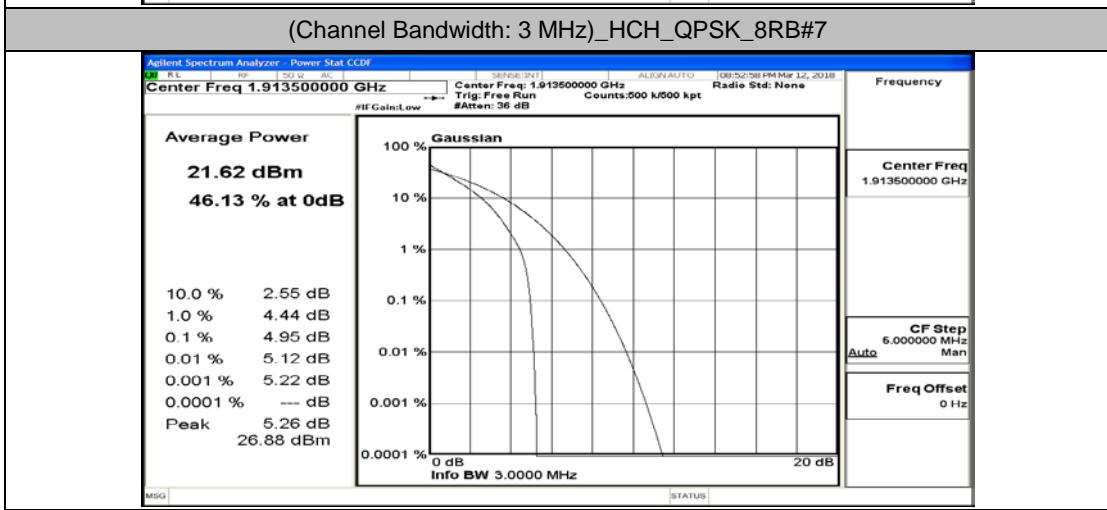
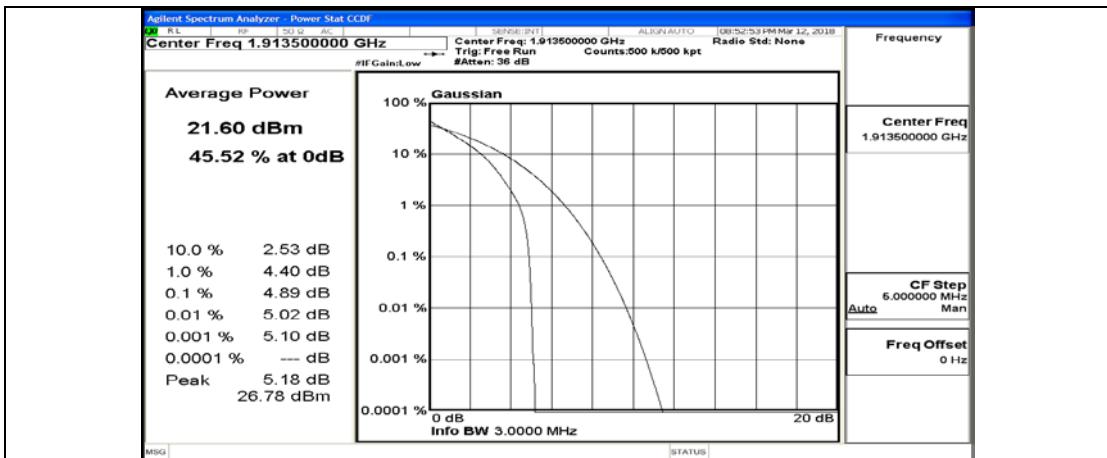


(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#7

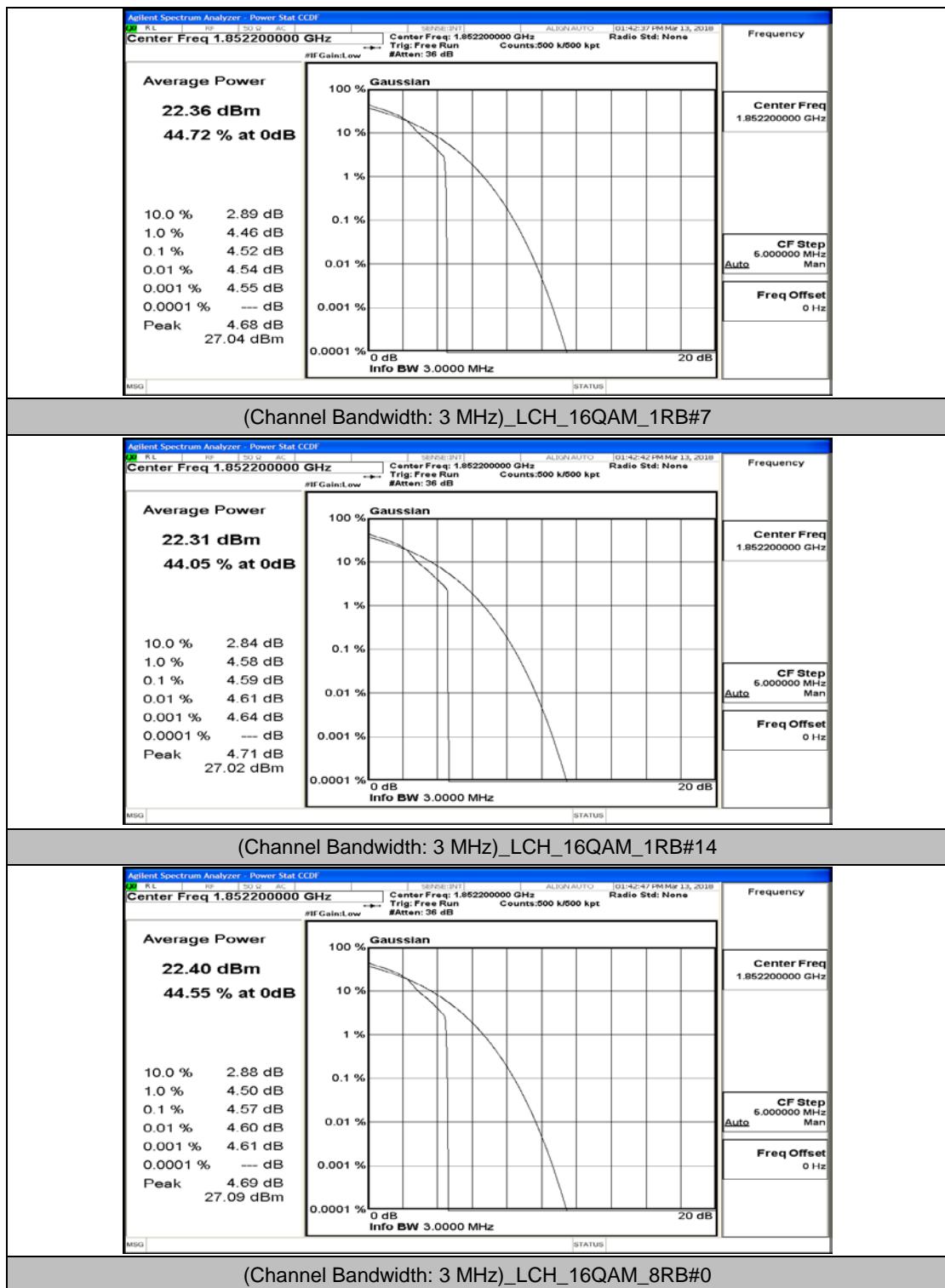


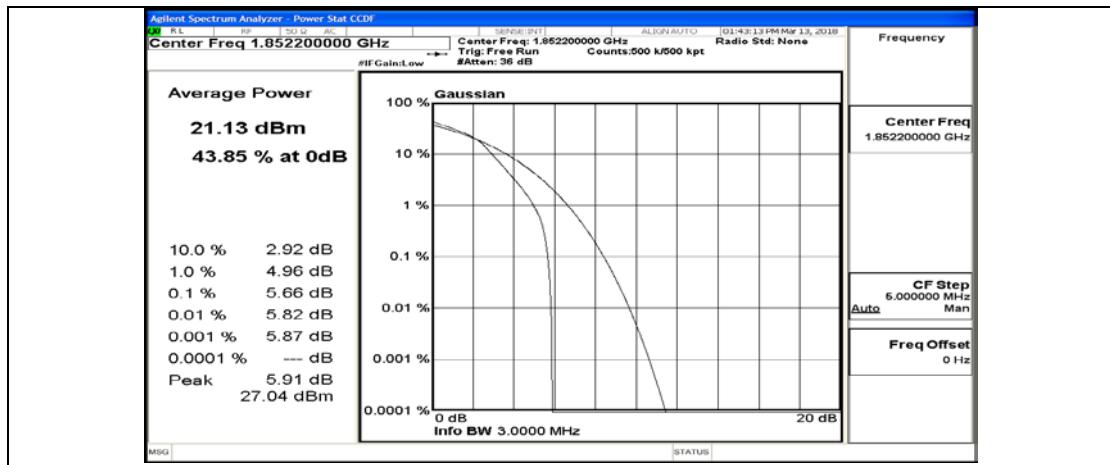


**(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_8RB#4**

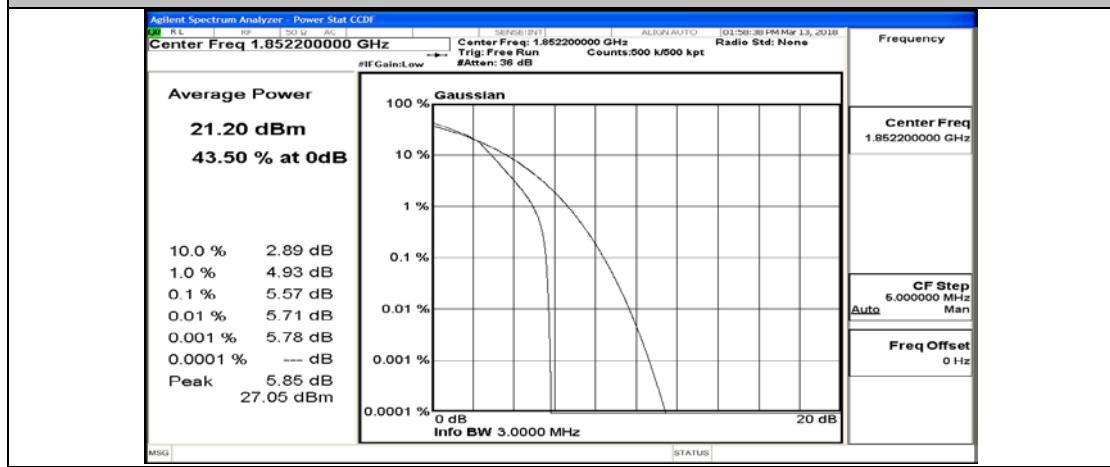


**(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#0**

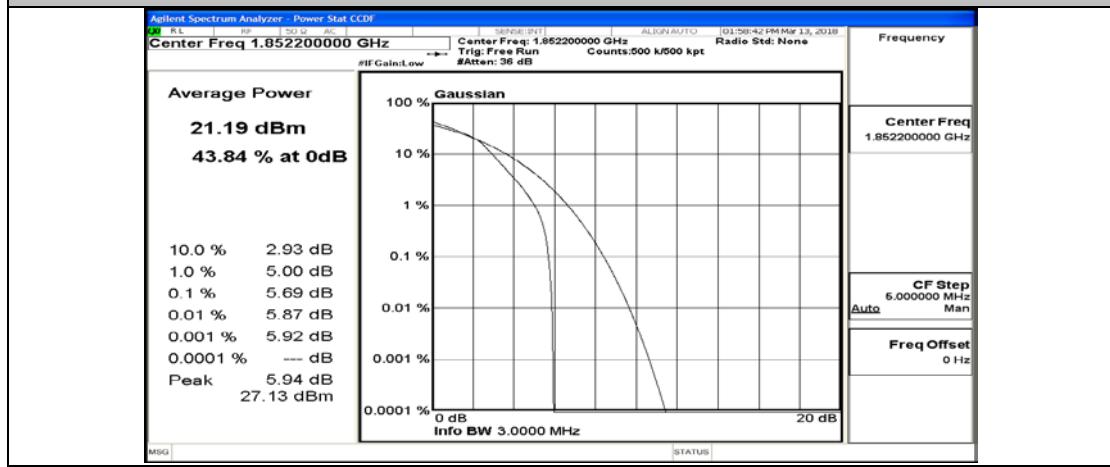




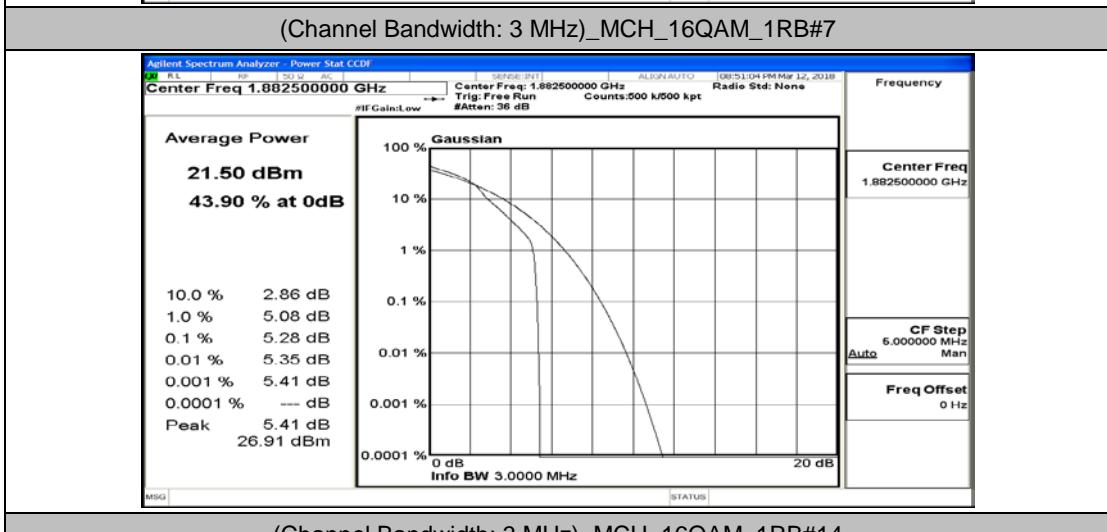
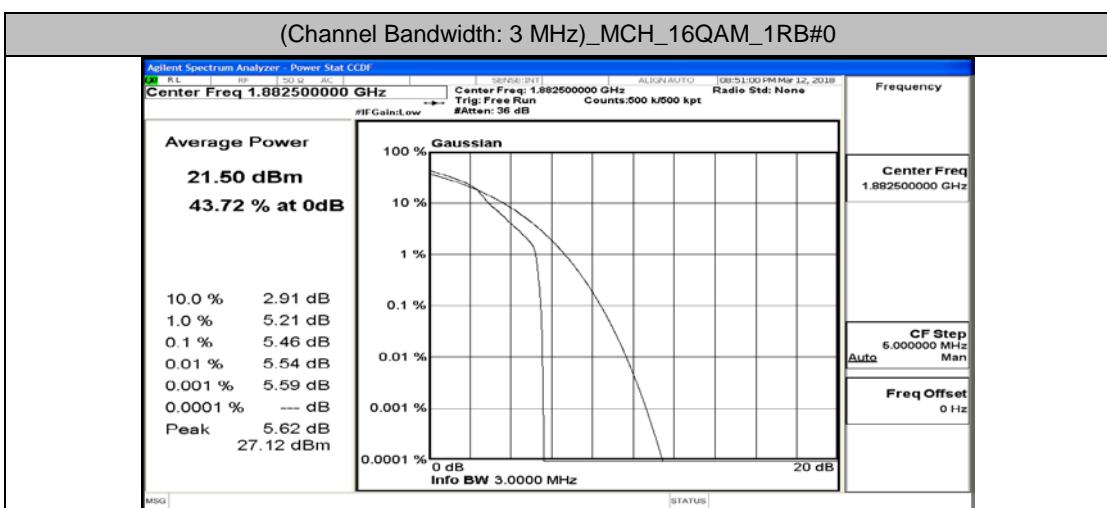
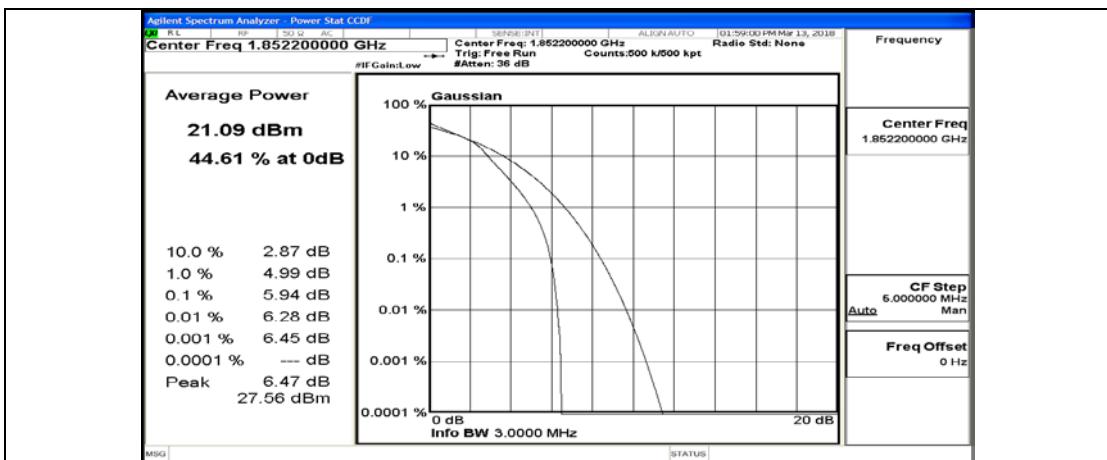
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_8RB#4



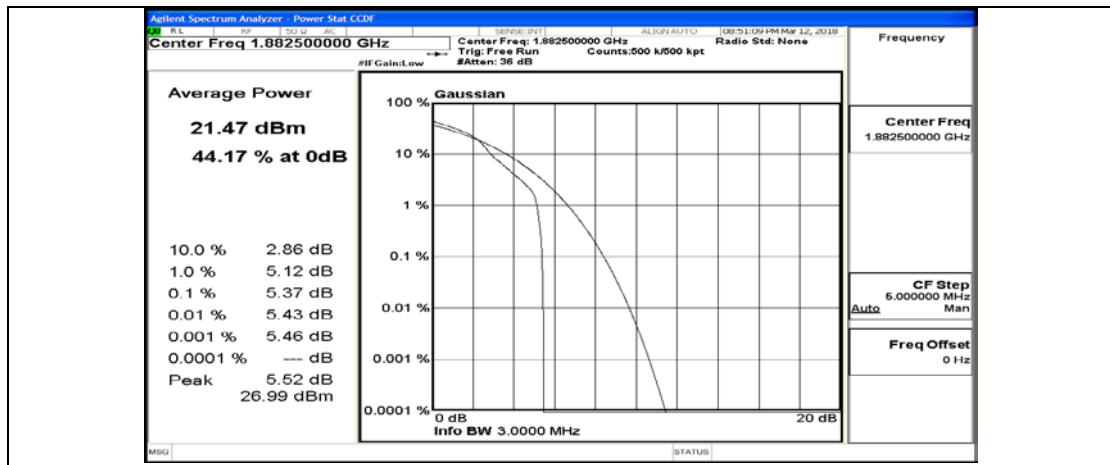
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_8RB#7



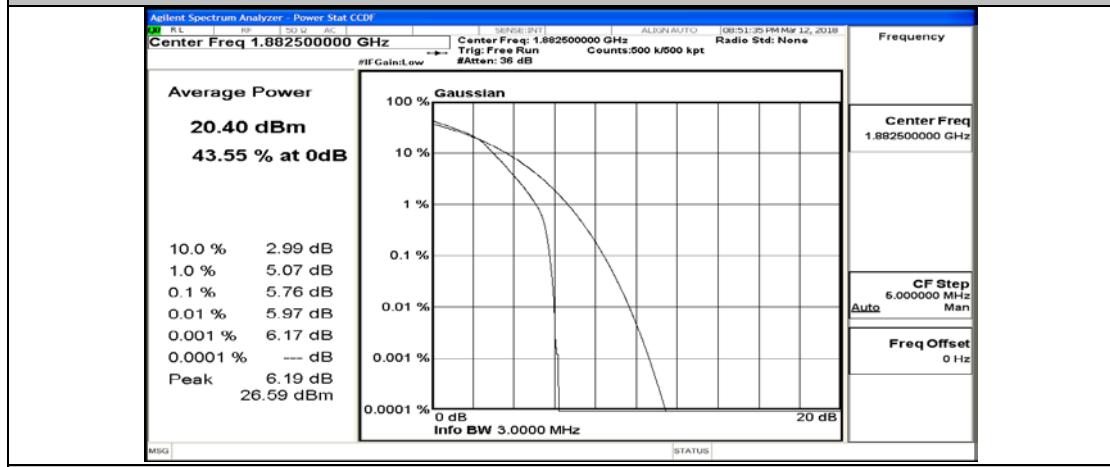
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_15RB#0



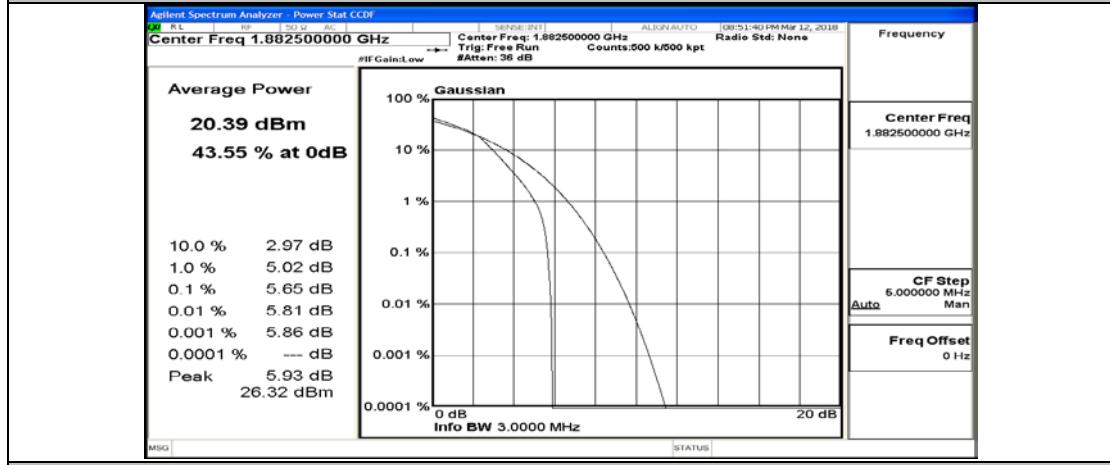
**(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14**



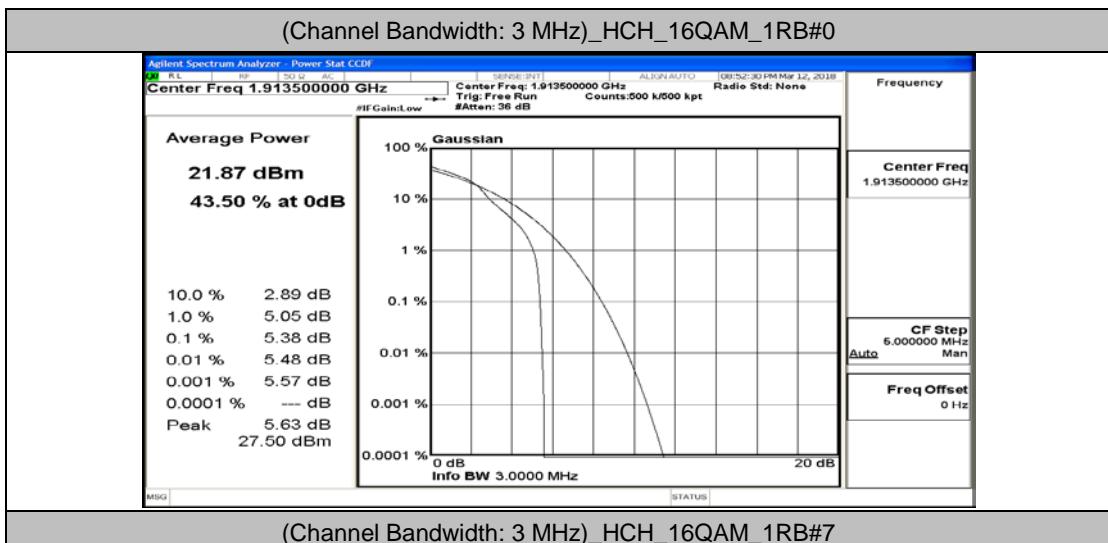
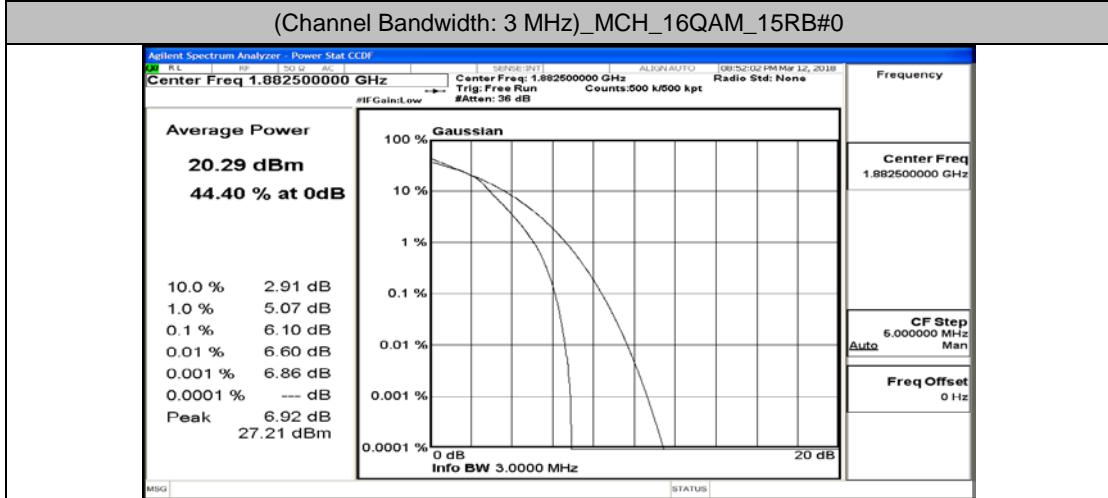
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#0

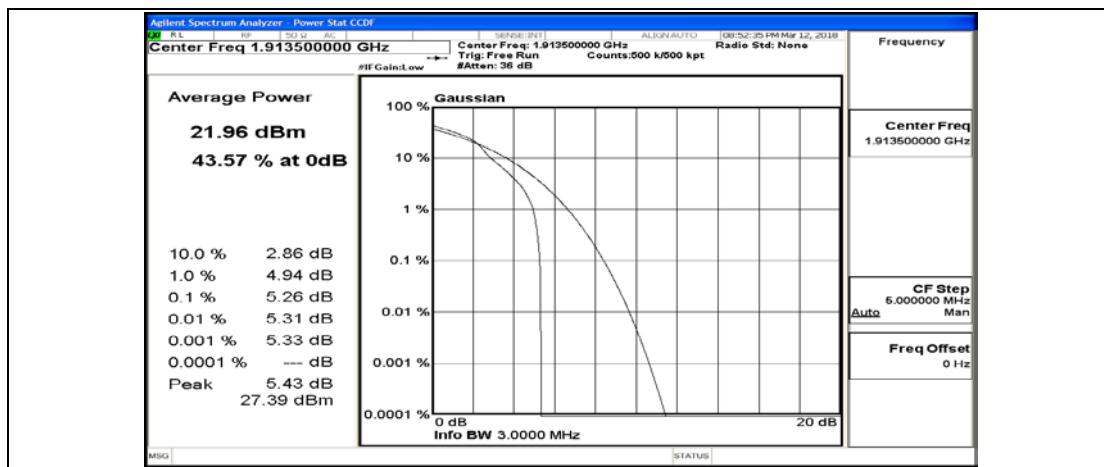


(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#4

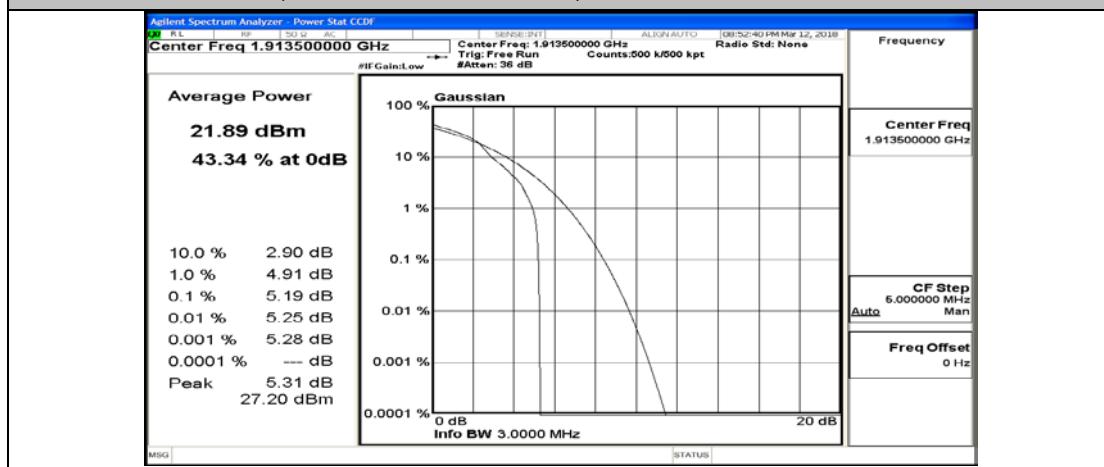


(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#7

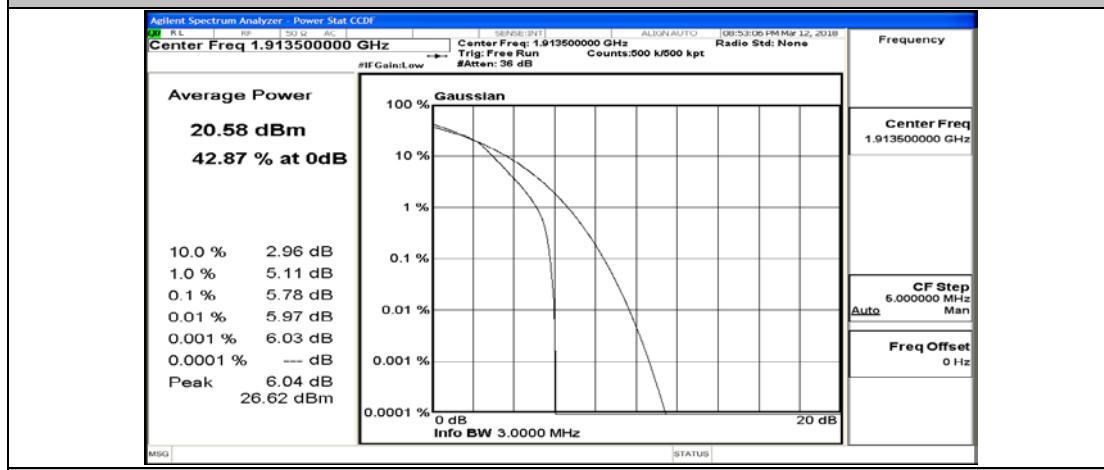




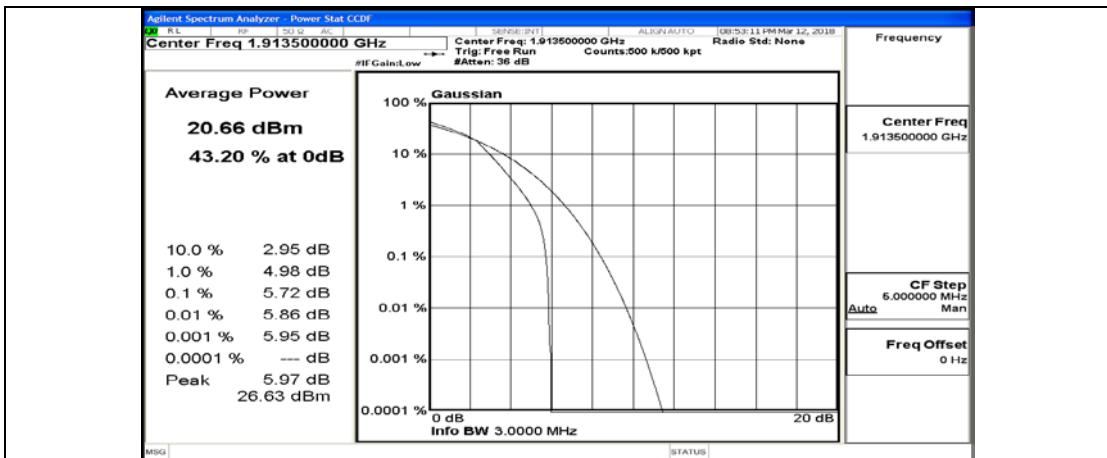
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#14



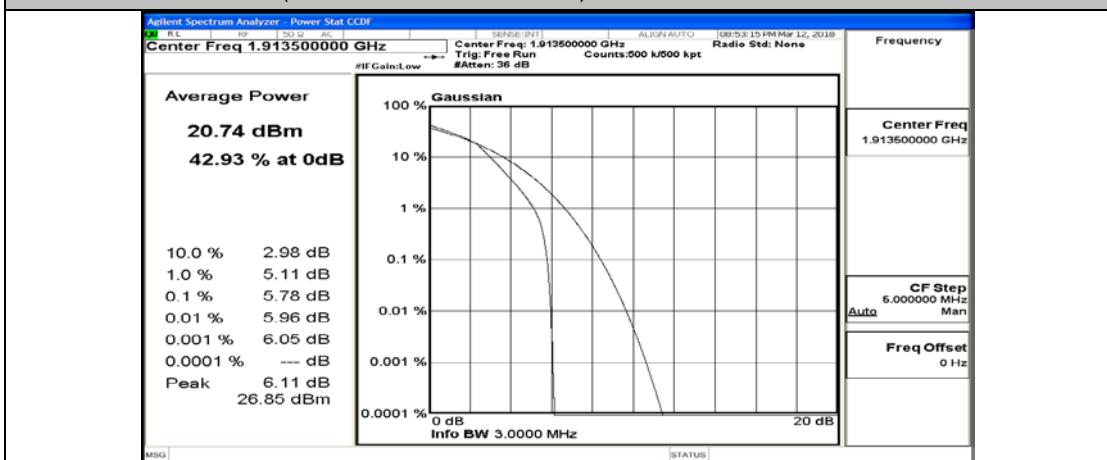
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#0



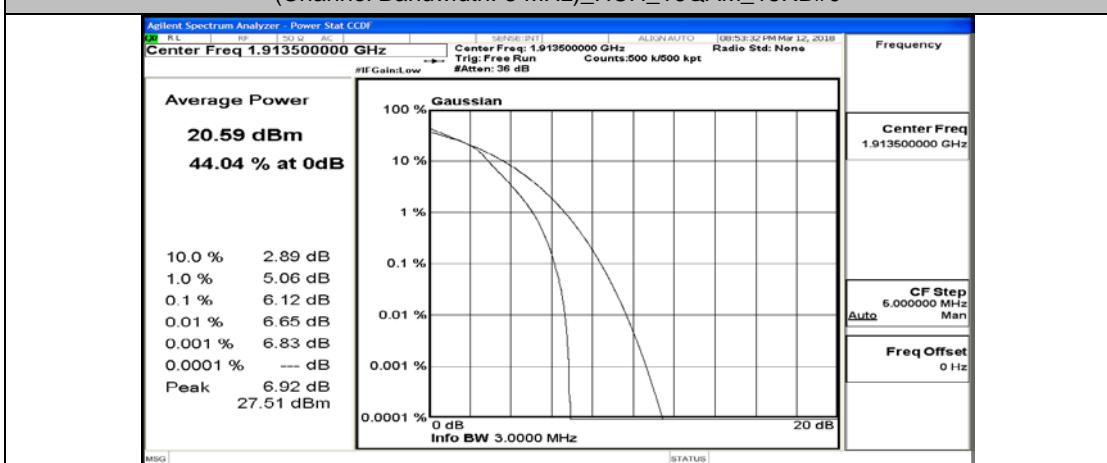
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#4



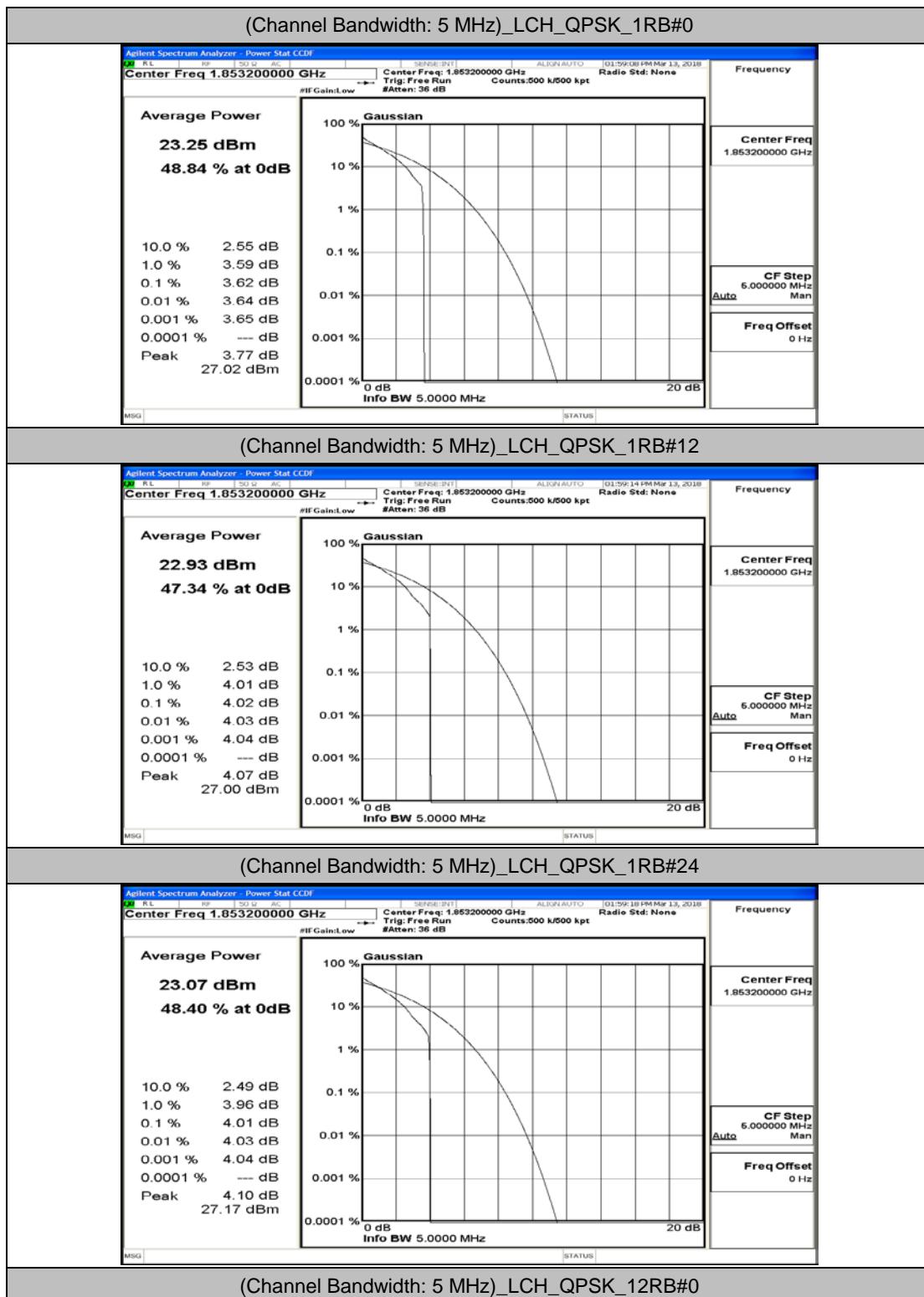
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#7

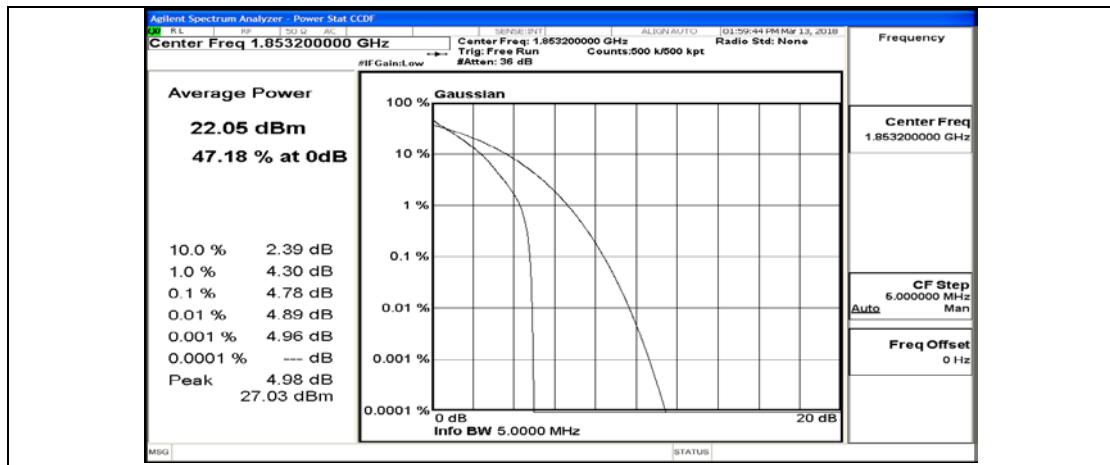


(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_15RB#0

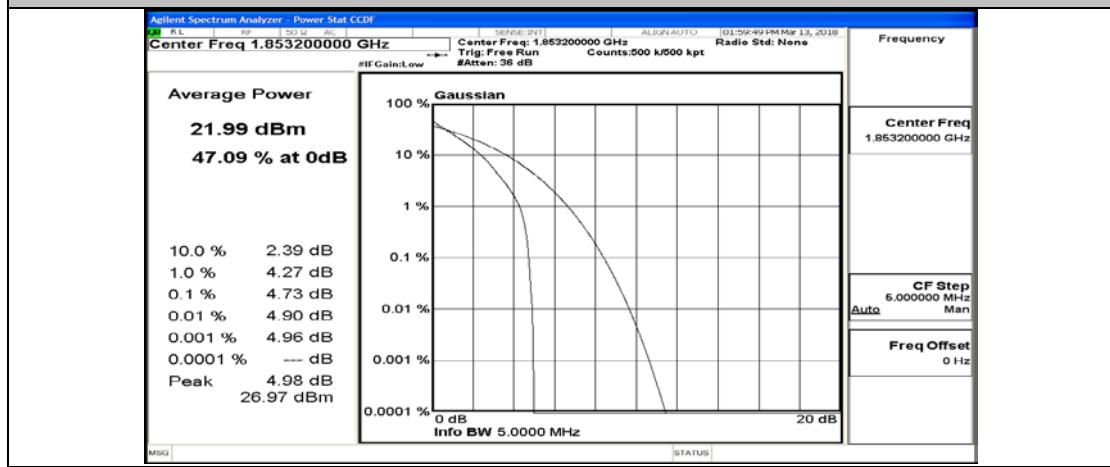


## Channel Bandwidth: 5 MHz

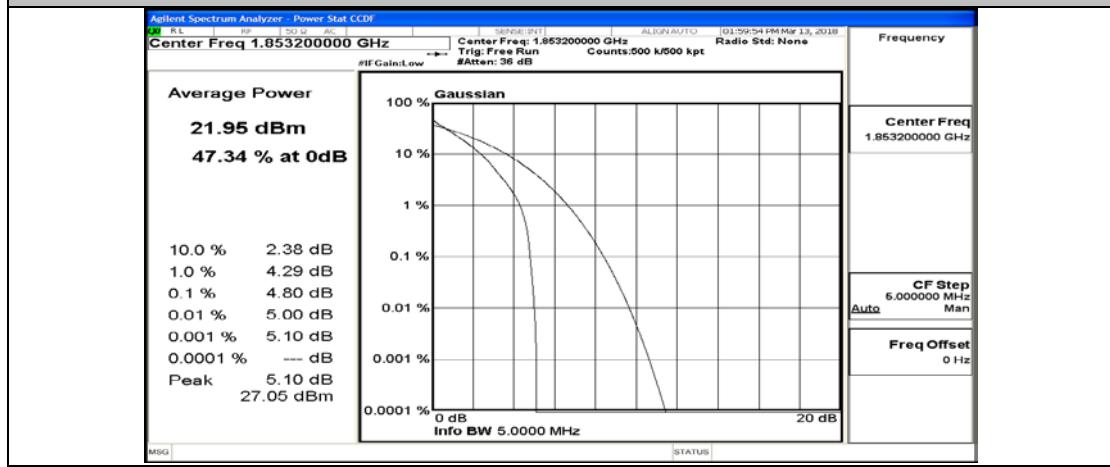




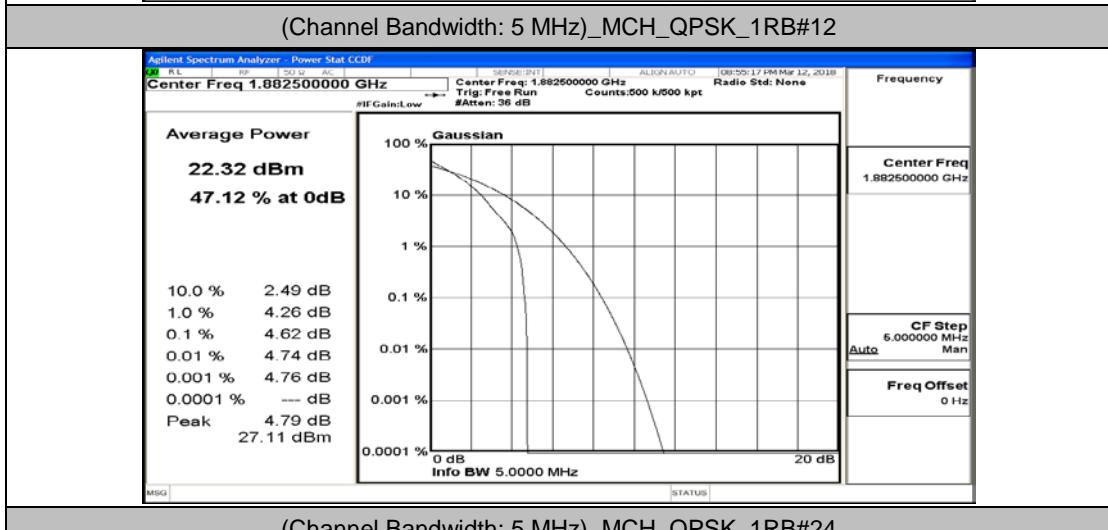
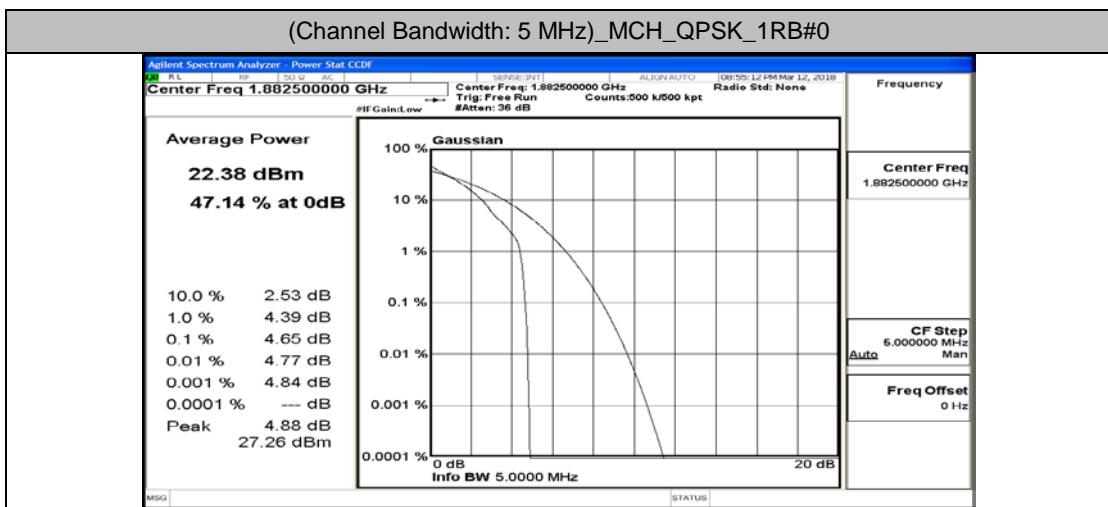
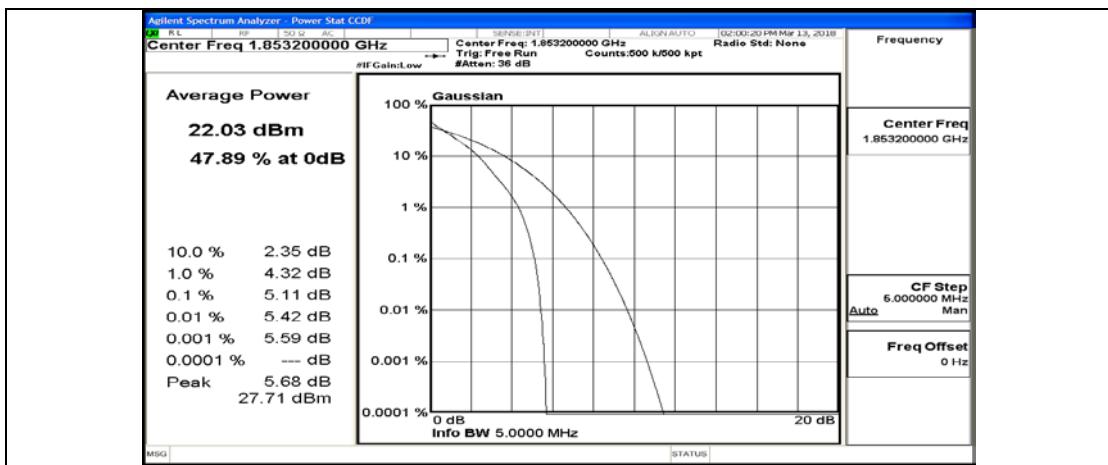
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#6



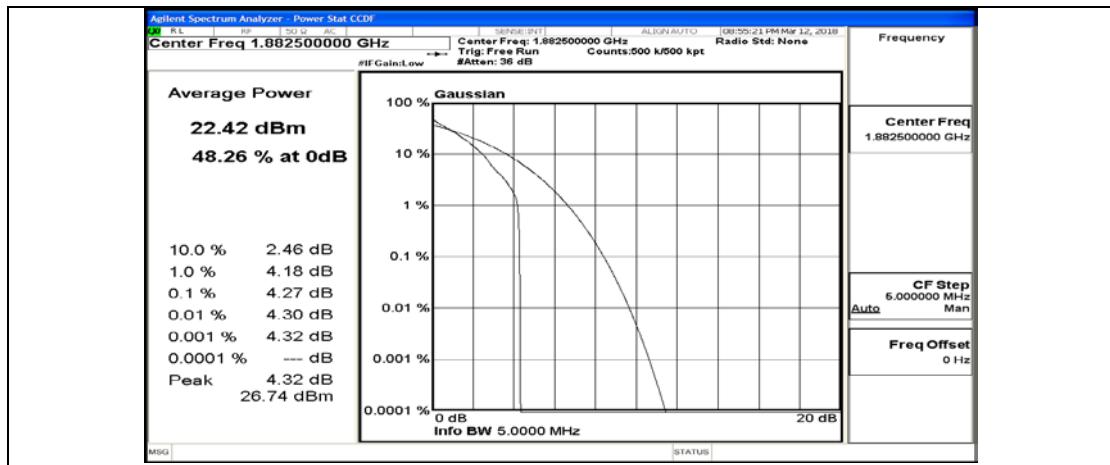
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



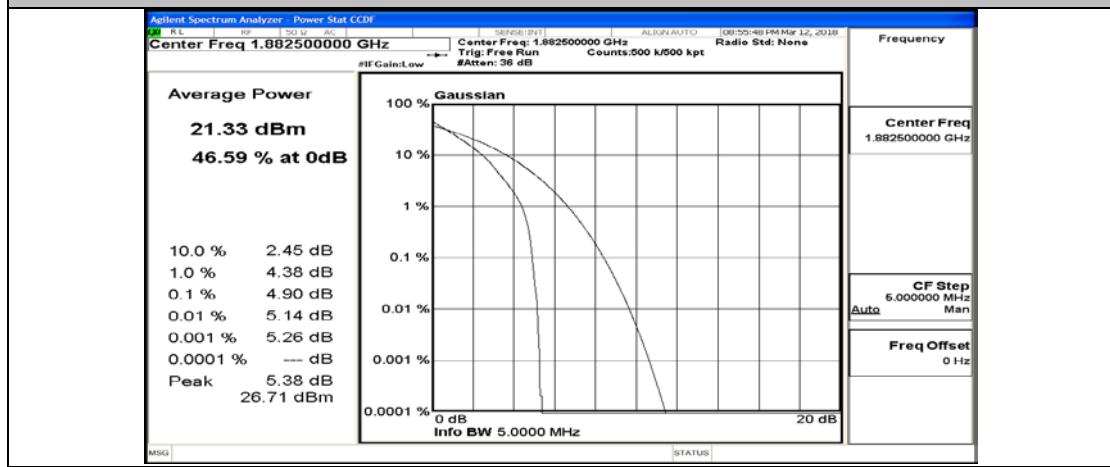
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



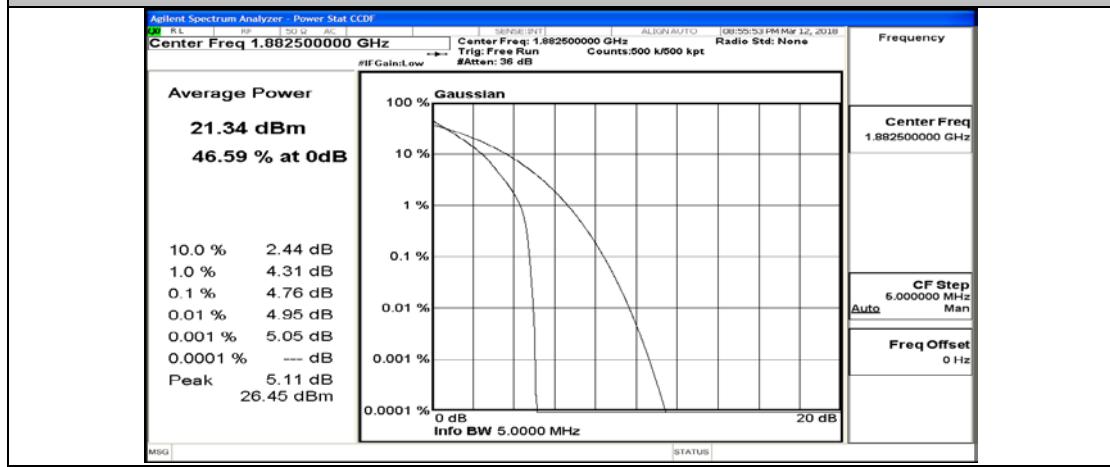
**(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24**



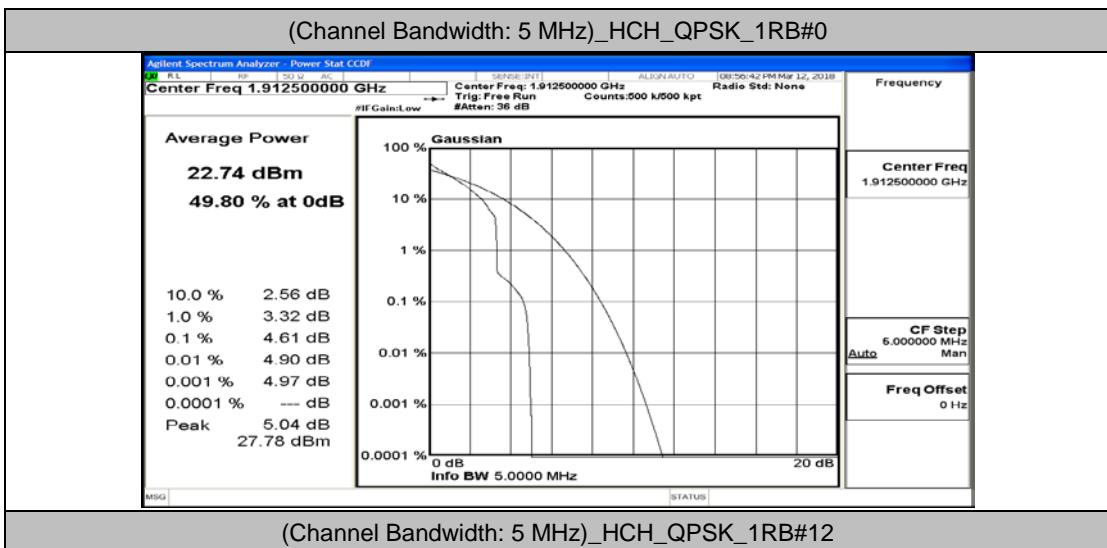
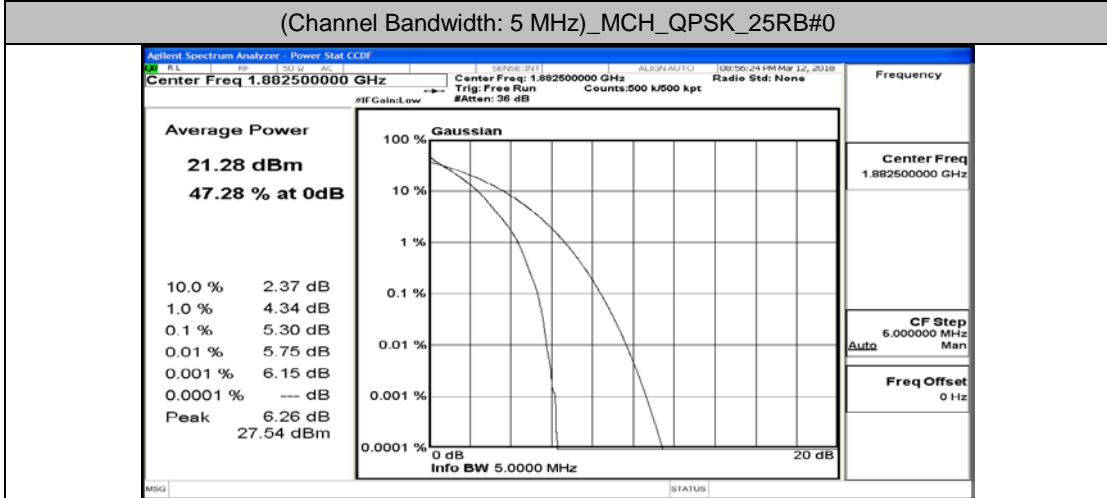
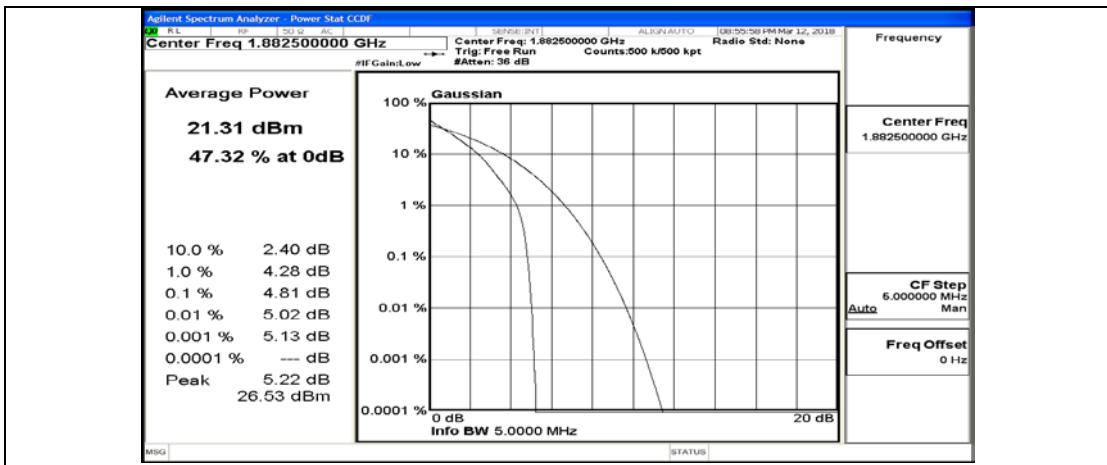
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13



**(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12**