

Band 12 Appendix C Section C.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	5.39	<13	PASS
		1	3	5.39	<13	PASS
		1	5	5.42	<13	PASS
		3	0	5.35	<13	PASS
		3	2	5.3	<13	PASS
		3	3	5.3	<13	PASS
		6	0	5.93	<13	PASS
	MCH	1	0	5	<13	PASS
		1	3	5.04	<13	PASS
		1	5	4.97	<13	PASS
		3	0	4.75	<13	PASS
		3	2	4.95	<13	PASS
		3	3	4.79	<13	PASS
		6	0	5.79	<13	PASS
16QAM	LCH	1	0	4.37	<13	PASS
		1	3	3.93	<13	PASS
		1	5	3.76	<13	PASS
		3	0	4.12	<13	PASS
		3	2	3.79	<13	PASS
		3	3	3.83	<13	PASS
		6	0	5.27	<13	PASS
	MCH	1	0	6.2	<13	PASS
		1	3	6.33	<13	PASS
		1	5	6.26	<13	PASS
		3	0	6.17	<13	PASS
		3	2	6.1	<13	PASS
		3	3	6.14	<13	PASS
		6	0	6.82	<13	PASS

		6	0	6.66	<13	PASS
HCH	HCH	1	0	4.93	<13	PASS
		1	3	4.55	<13	PASS
		1	5	4.28	<13	PASS
		3	0	5.04	<13	PASS
		3	2	4.82	<13	PASS
		3	3	4.66	<13	PASS
		6	0	6.07	<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	5.38	<13	PASS
		1	7	5.46	<13	PASS
		1	14	5.38	<13	PASS
		8	0	6.23	<13	PASS
		8	4	6.21	<13	PASS
		8	7	6.17	<13	PASS
		15	0	5.83	<13	PASS
	MCH	1	0	5.04	<13	PASS
		1	7	4.84	<13	PASS
		1	14	4.67	<13	PASS
		8	0	5.73	<13	PASS
		8	4	5.69	<13	PASS
		8	7	5.57	<13	PASS
		15	0	5.67	<13	PASS
	HCH	1	0	4.87	<13	PASS
		1	7	4.58	<13	PASS
		1	14	3.67	<13	PASS
		8	0	5.56	<13	PASS
		8	4	5.32	<13	PASS
		8	7	5.09	<13	PASS
		15	0	5.42	<13	PASS
16QAM	LCH	1	0	6.45	<13	PASS
		1	7	6.48	<13	PASS
		1	14	6.23	<13	PASS
		8	0	6.96	<13	PASS
		8	4	6.9	<13	PASS
		8	7	6.94	<13	PASS
		15	0	6.94	<13	PASS

		1	0	6.01	<13	PASS
		1	7	5.78	<13	PASS
		1	14	5.67	<13	PASS
		8	0	6.58	<13	PASS
		8	4	6.47	<13	PASS
		8	7	6.42	<13	PASS
		15	0	6.69	<13	PASS
		1	0	5.72	<13	PASS
		1	7	5.44	<13	PASS
		1	14	4.69	<13	PASS
		8	0	6.33	<13	PASS
		8	4	6.14	<13	PASS
		8	7	5.98	<13	PASS
		15	0	6.27	<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	5.47	<13	PASS
		1	12	5.31	<13	PASS
		1	24	5.36	<13	PASS
		12	0	5.94	<13	PASS
		12	6	5.98	<13	PASS
		12	13	5.93	<13	PASS
		25	0	5.86	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	12	4.93	<13	PASS
		1	24	4.71	<13	PASS
		12	0	5.81	<13	PASS
		12	6	5.69	<13	PASS
		12	13	5.57	<13	PASS
		25	0	5.7	<13	PASS
	HCH	1	0	4.66	<13	PASS
		1	12	4.63	<13	PASS
		1	24	3.75	<13	PASS
		12	0	5.56	<13	PASS
		12	6	5.56	<13	PASS
		12	13	5.32	<13	PASS
		25	0	5.52	<13	PASS
16QAM	LCH	1	0	6.4	<13	PASS

		1	12	6.25	<13	PASS
		1	24	6.27	<13	PASS
		12	0	6.81	<13	PASS
		12	6	6.78	<13	PASS
		12	13	6.79	<13	PASS
		25	0	6.72	<13	PASS
	MCH	1	0	6.09	<13	PASS
		1	12	5.77	<13	PASS
		1	24	5.58	<13	PASS
		12	0	6.71	<13	PASS
		12	6	6.59	<13	PASS
		12	13	6.45	<13	PASS
		25	0	6.53	<13	PASS
	HCH	1	0	5.47	<13	PASS
		1	12	5.46	<13	PASS
		1	24	4.71	<13	PASS
		12	0	6.38	<13	PASS
		12	6	6.36	<13	PASS
		12	13	6.21	<13	PASS
		25	0	6.43	<13	PASS

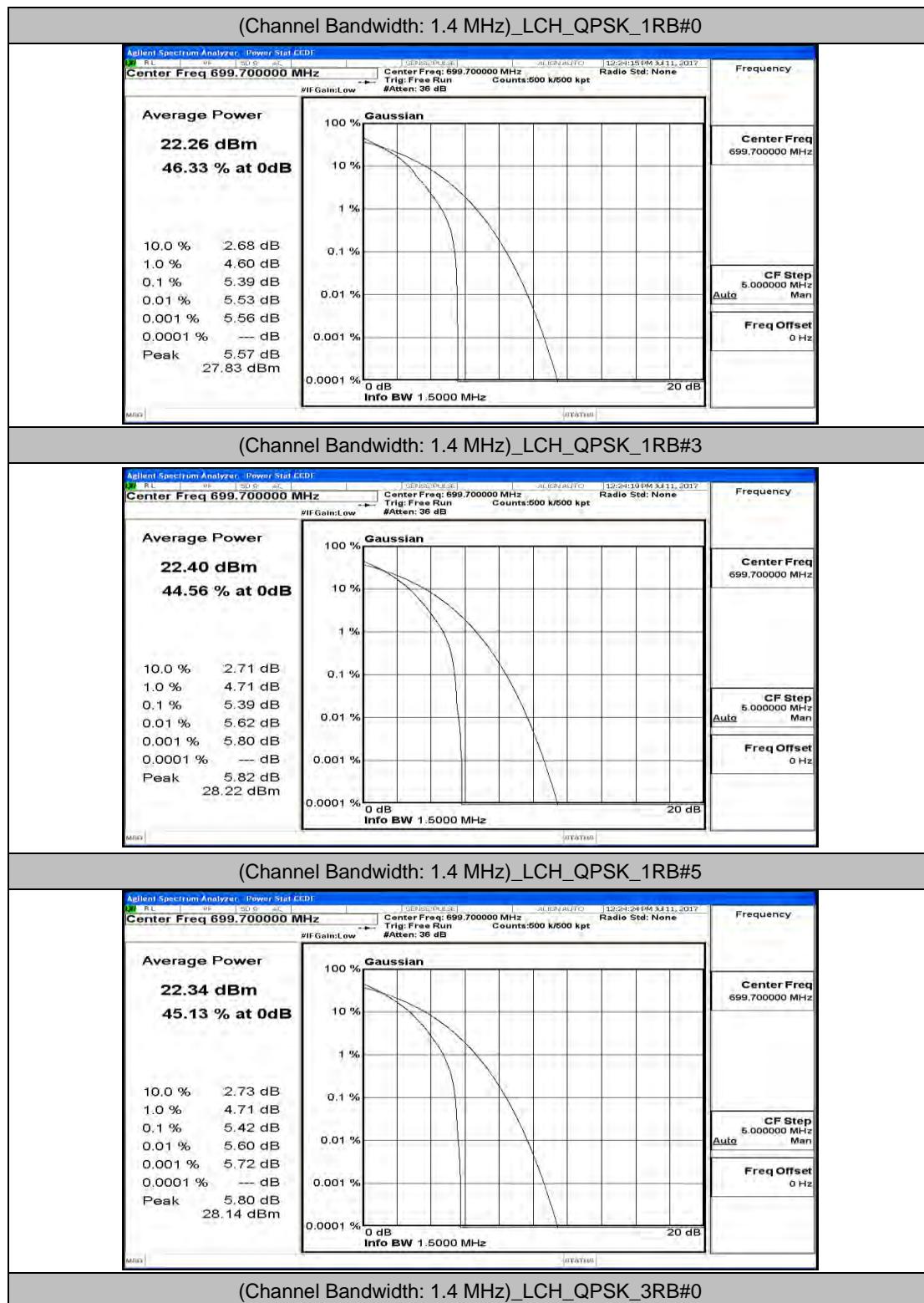
Channel Bandwidth: 10 MHz

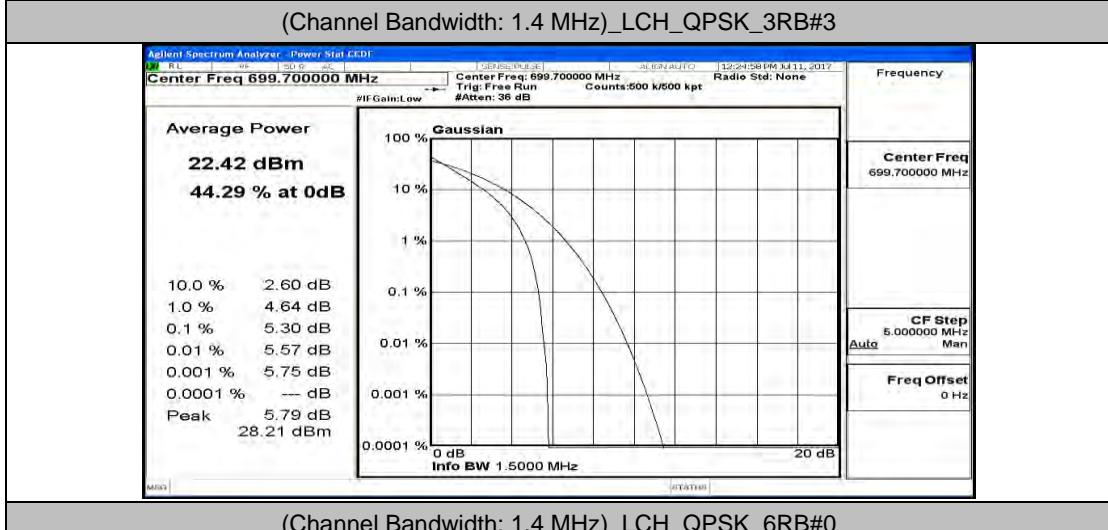
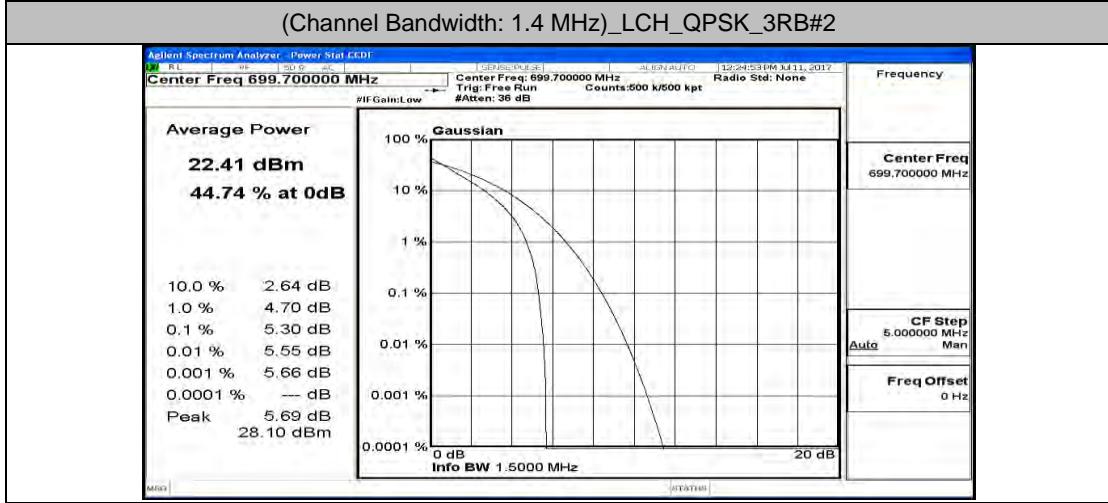
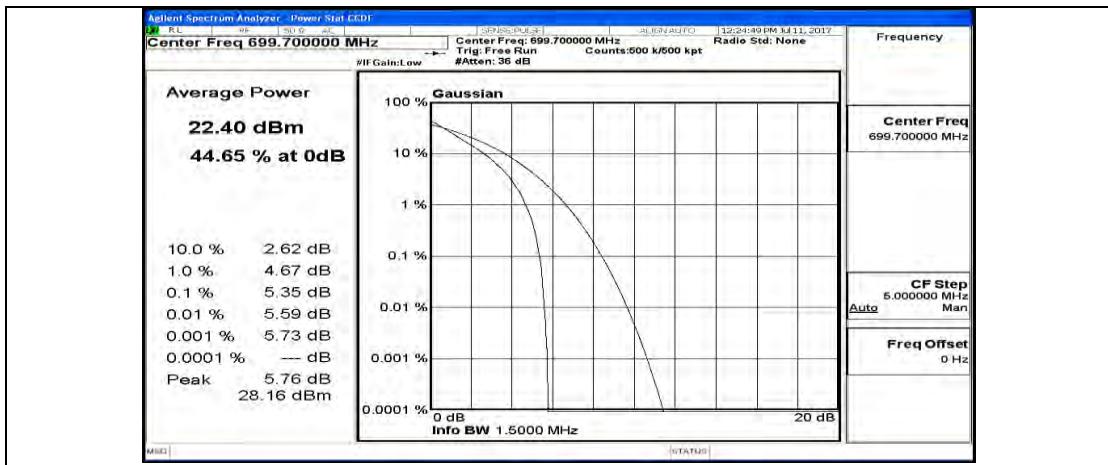
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.36	<13	PASS
		1	24	5.26	<13	PASS
		1	49	4.64	<13	PASS
		25	0	5.83	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.78	<13	PASS
QPSK	MCH	1	0	5.3	<13	PASS
		1	24	4.84	<13	PASS
		1	49	4.71	<13	PASS
		25	0	5.78	<13	PASS
		25	12	5.67	<13	PASS
		25	25	5.53	<13	PASS
		50	0	5.72	<13	PASS
QPSK	HCH	1	0	4.95	<13	PASS
		1	24	4.63	<13	PASS

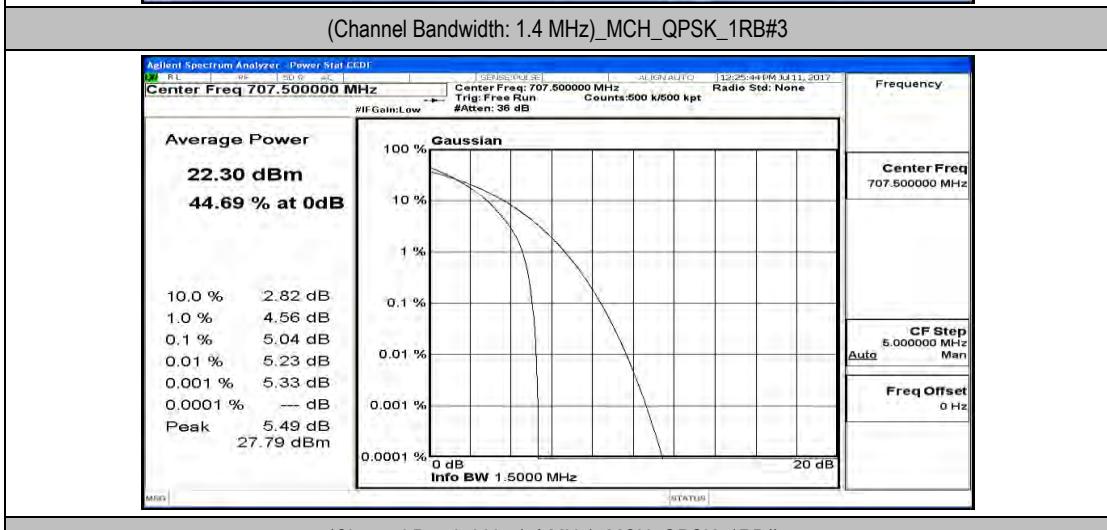
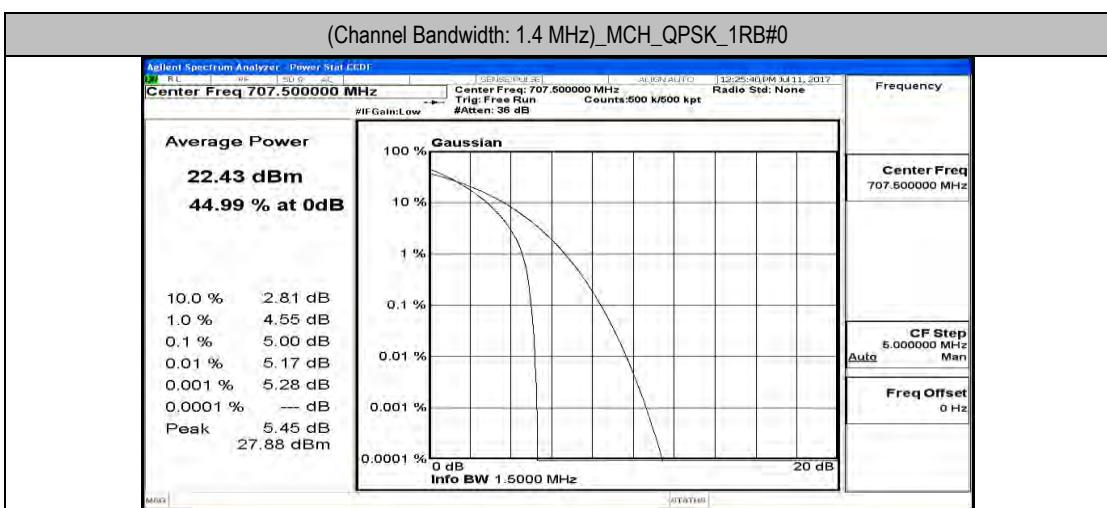
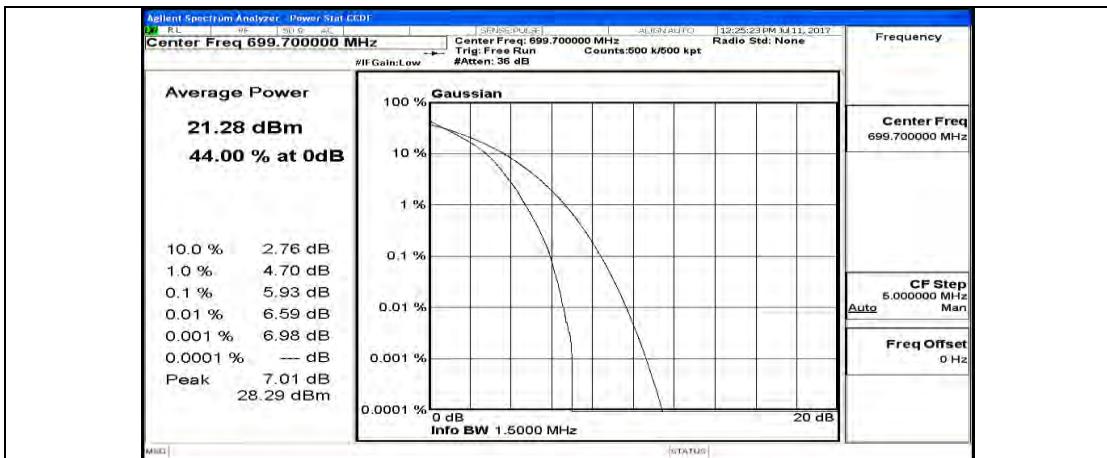
		1	49	3.89	<13	PASS
		25	0	5.61	<13	PASS
		25	12	5.54	<13	PASS
		25	25	5.56	<13	PASS
		50	0	5.51	<13	PASS
16QAM	LCH	1	0	6.32	<13	PASS
		1	24	6.18	<13	PASS
		1	49	5.54	<13	PASS
		25	0	6.49	<13	PASS
		25	12	6.63	<13	PASS
		25	25	6.48	<13	PASS
		50	0	6.61	<13	PASS
	MCH	1	0	6.15	<13	PASS
		1	24	5.81	<13	PASS
		1	49	5.62	<13	PASS
		25	0	6.59	<13	PASS
		25	12	6.44	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.56	<13	PASS
	HCH	1	0	5.85	<13	PASS
		1	24	5.49	<13	PASS
		1	49	4.8	<13	PASS
		25	0	6.46	<13	PASS
		25	12	6.4	<13	PASS
		25	25	6.4	<13	PASS
		50	0	6.4	<13	PASS

Test Graphs

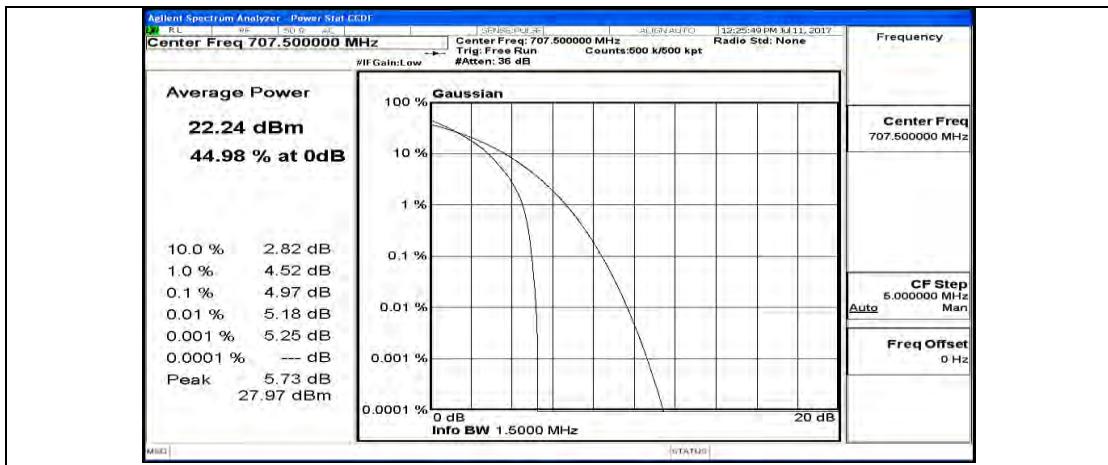
Channel Bandwidth: 1.4 MHz



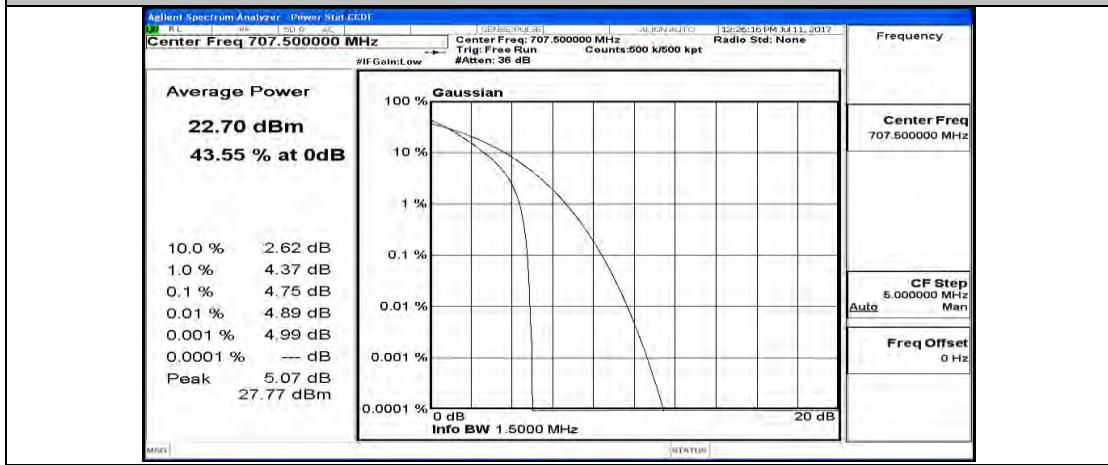




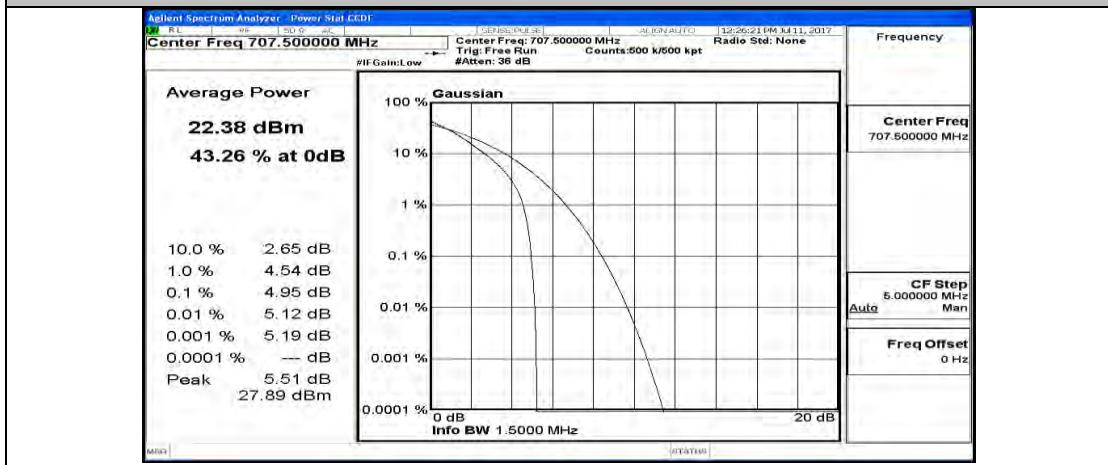
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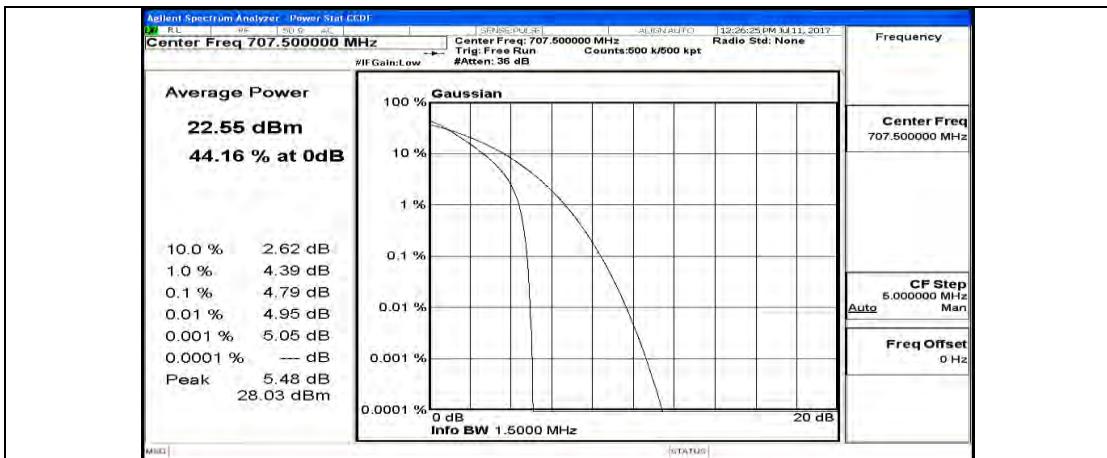
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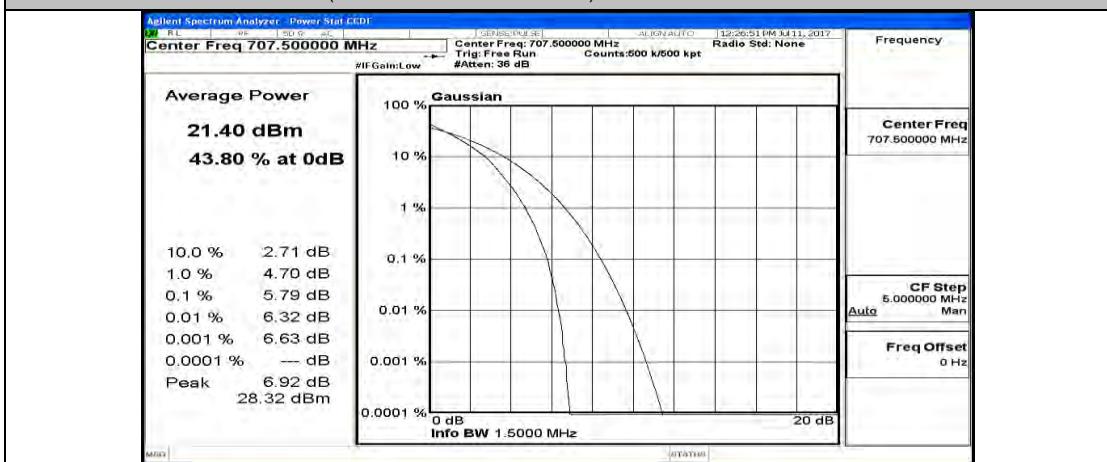
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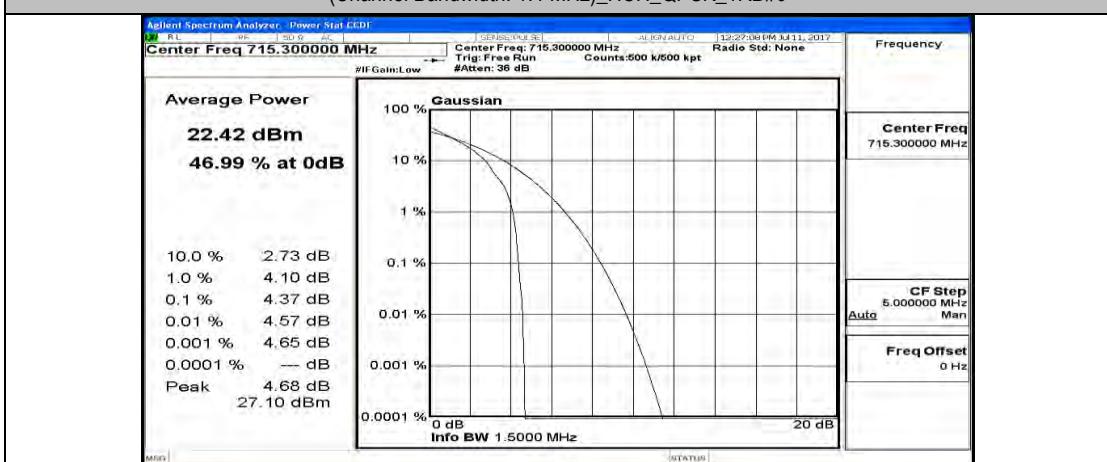
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



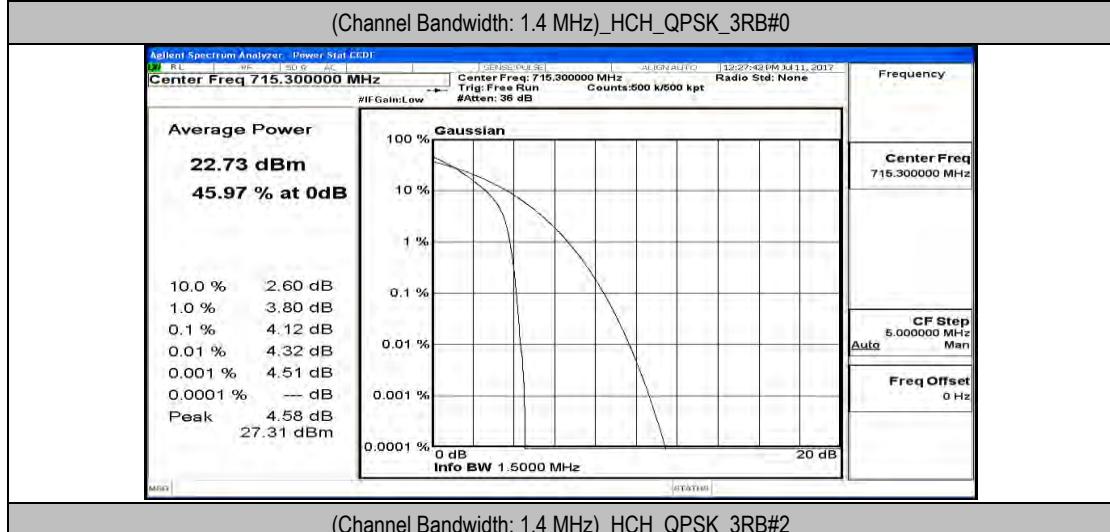
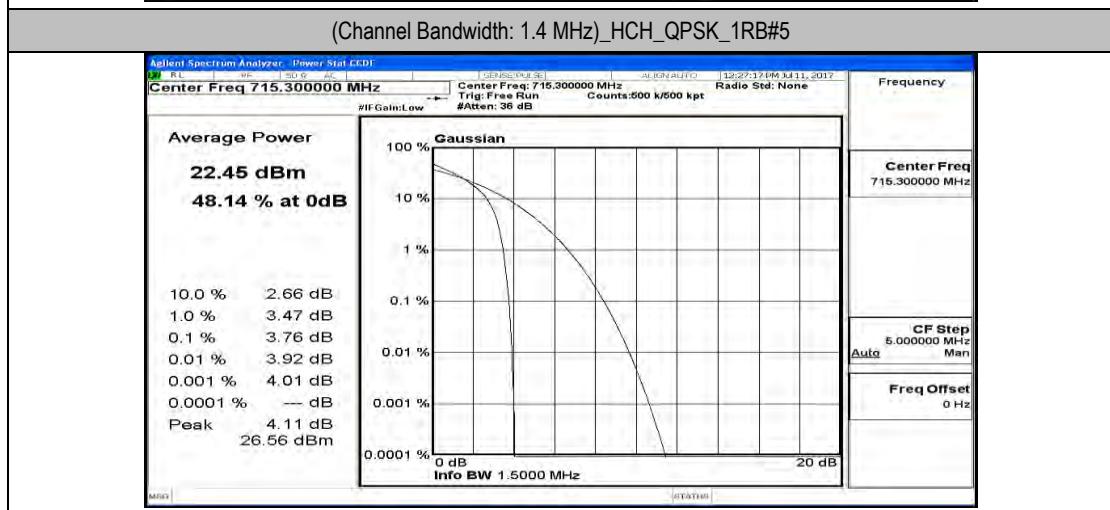
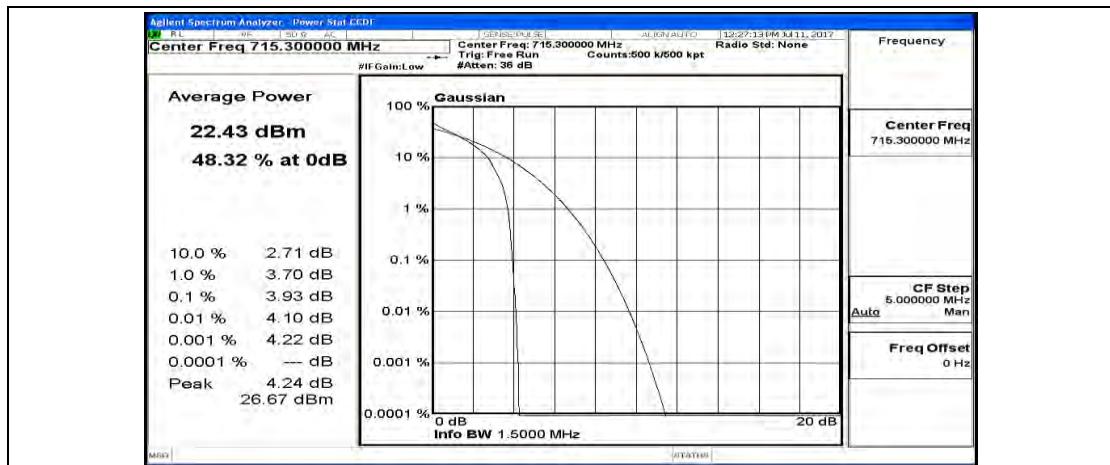
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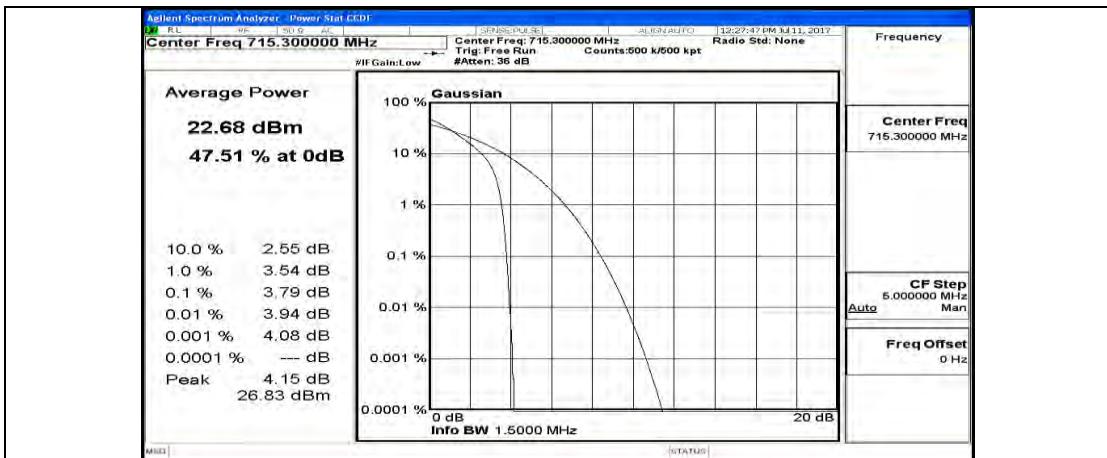
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



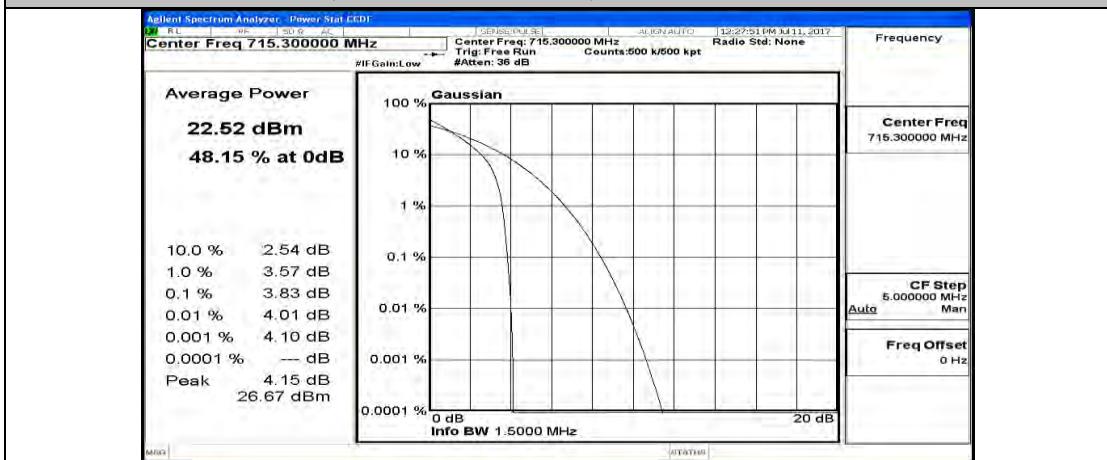
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



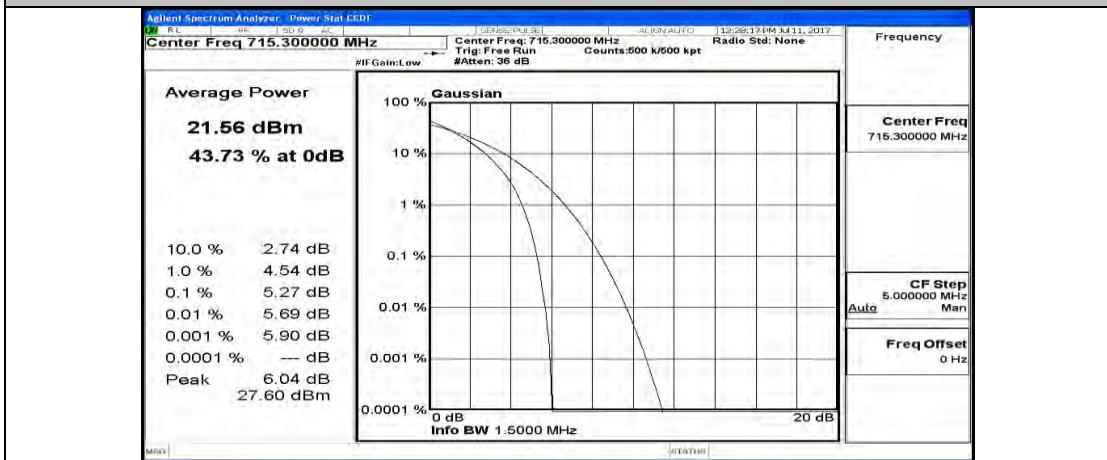
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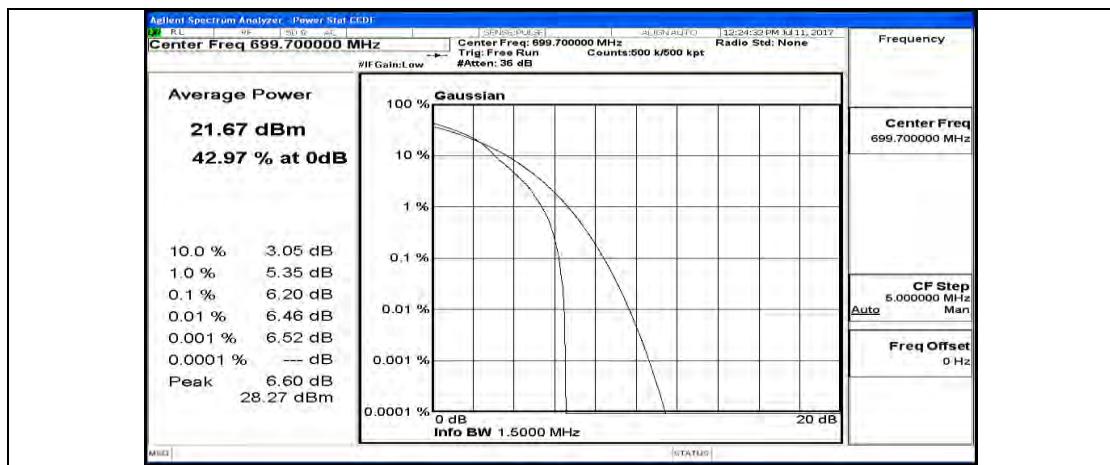
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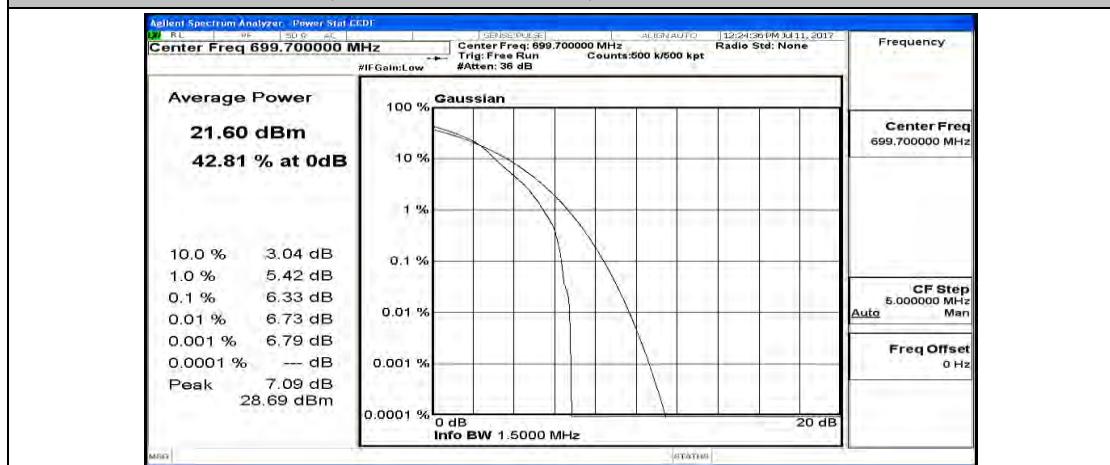
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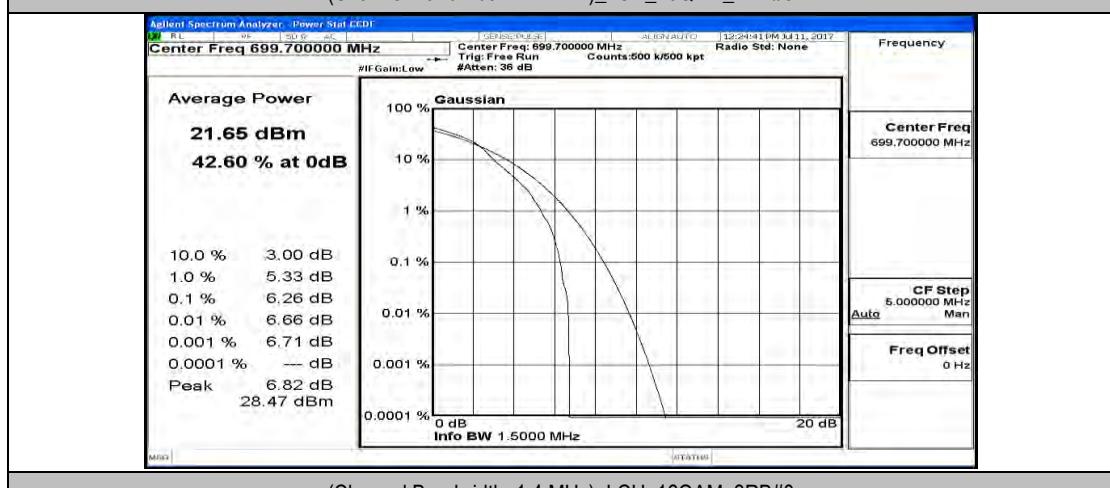
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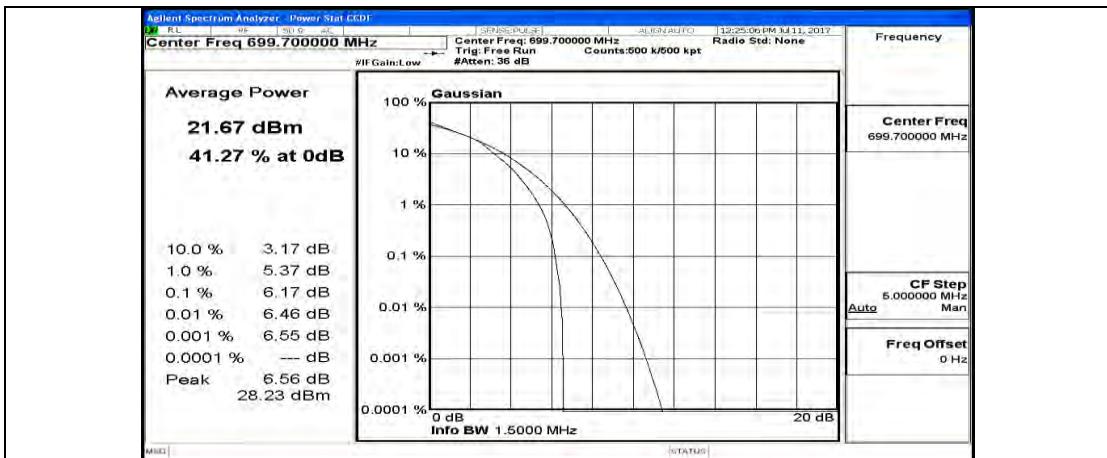
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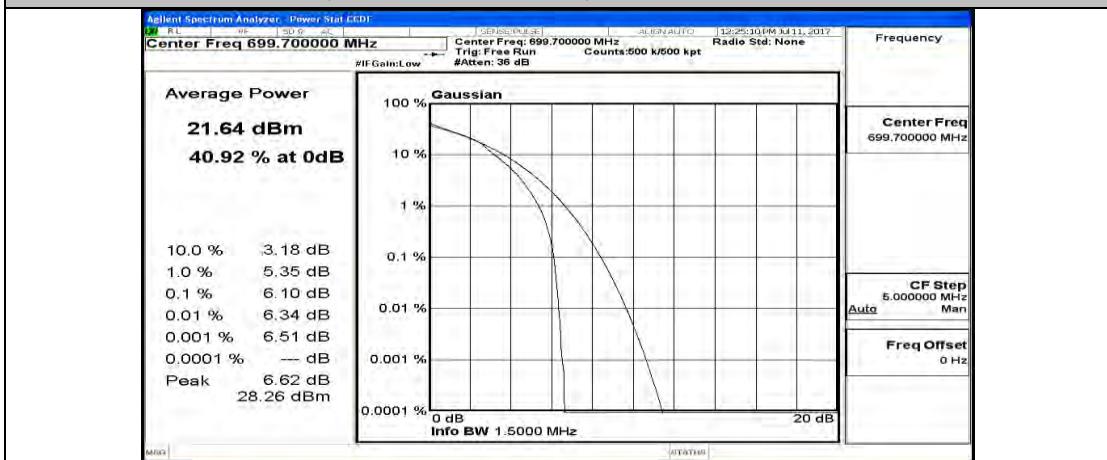
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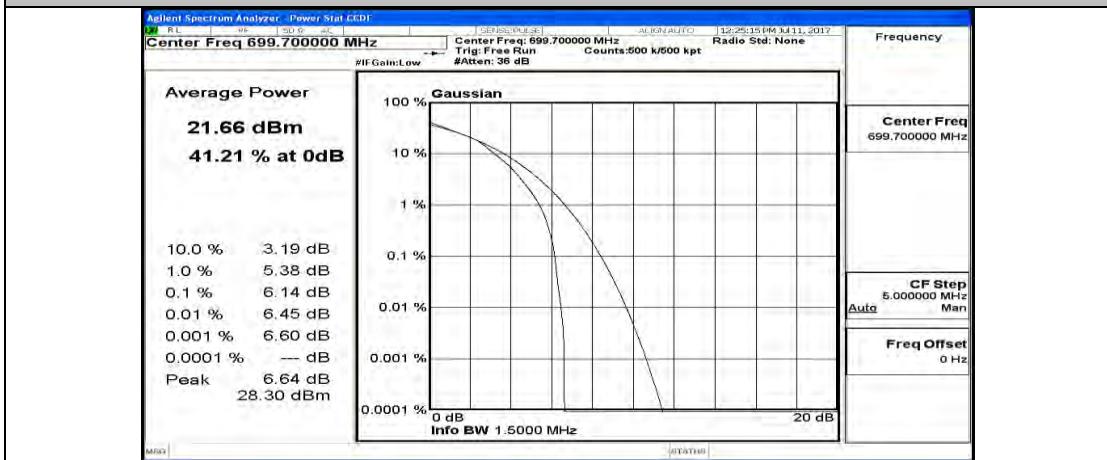
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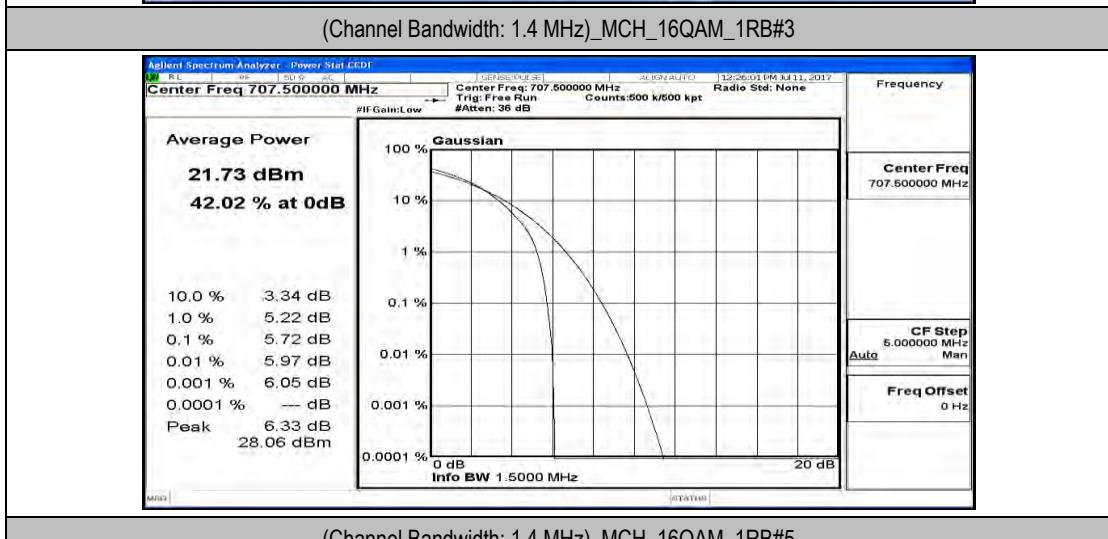
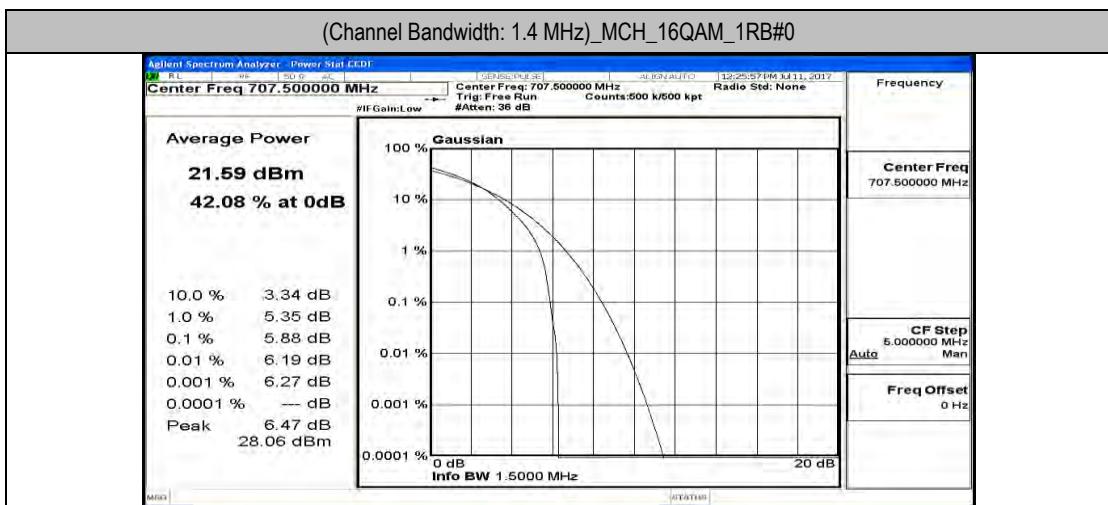
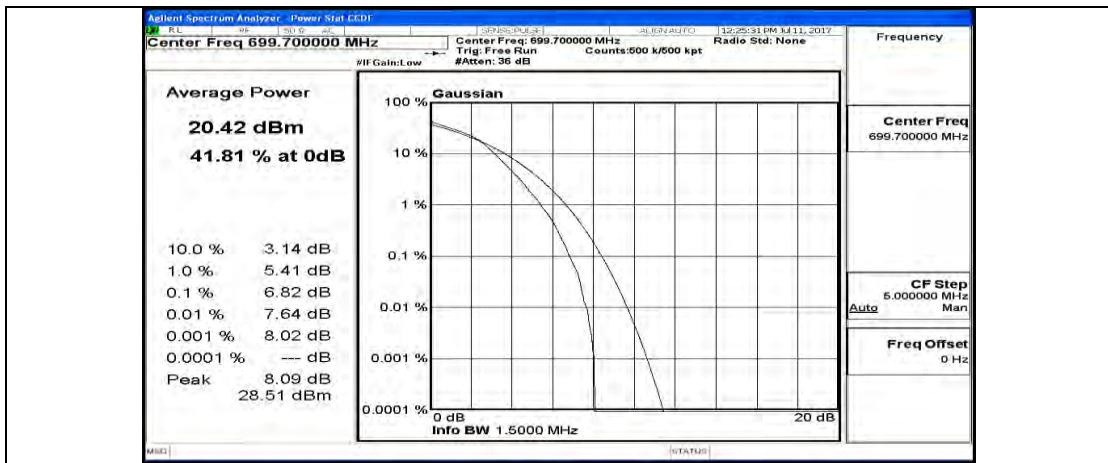
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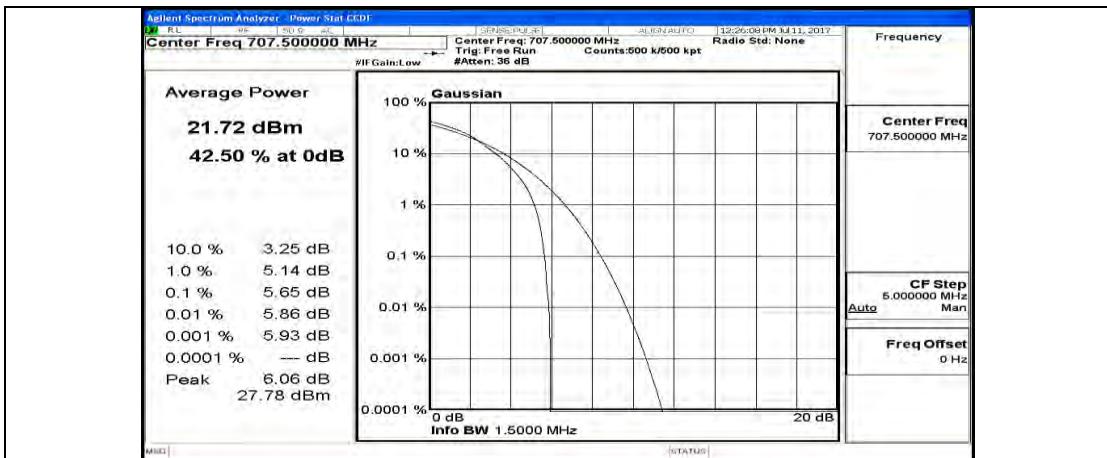
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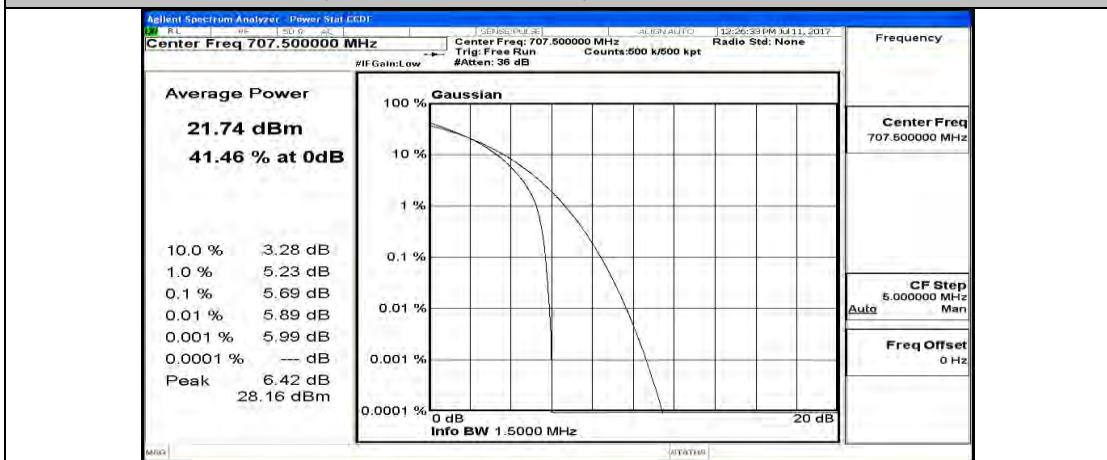
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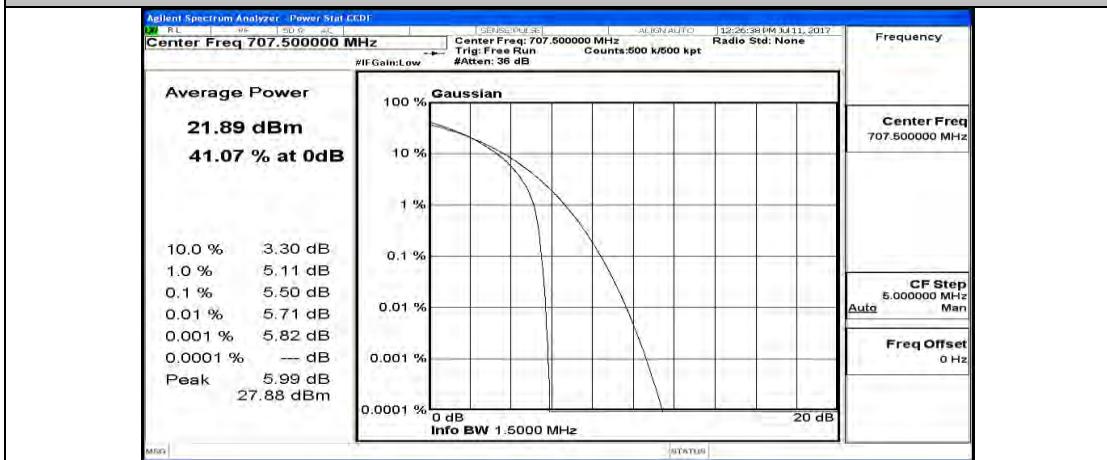
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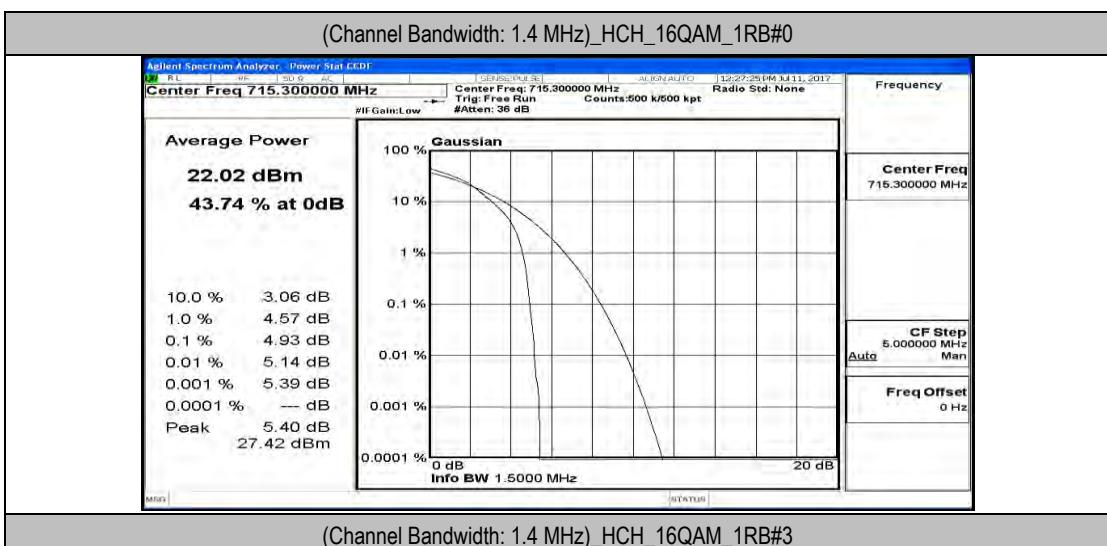
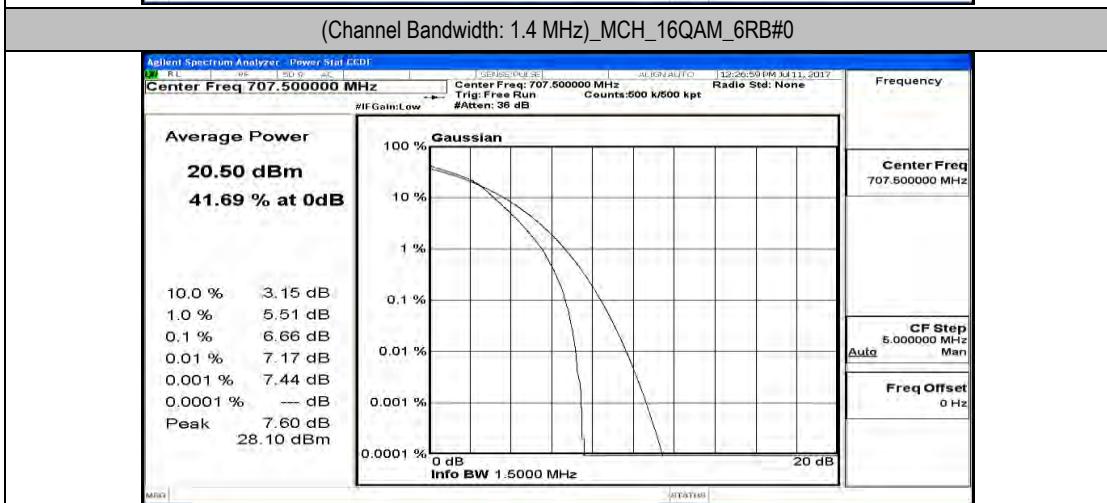
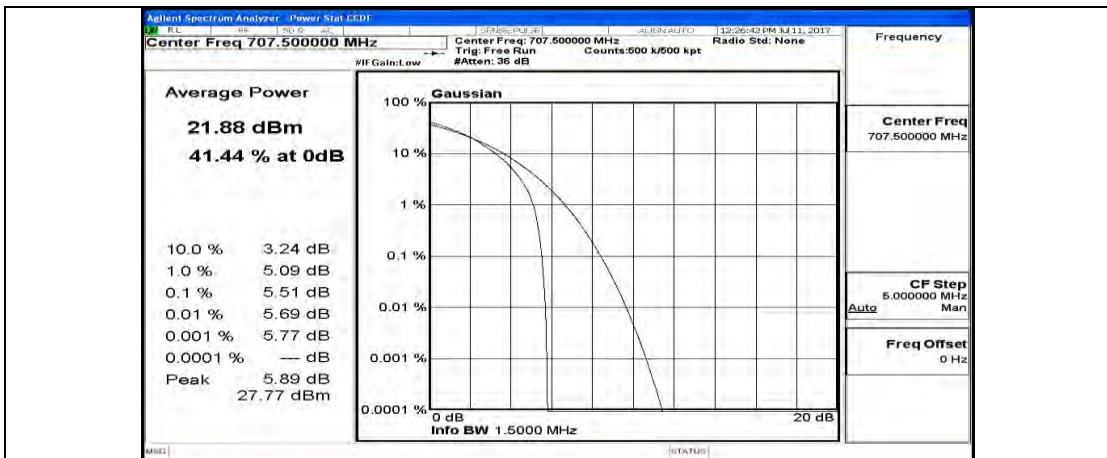
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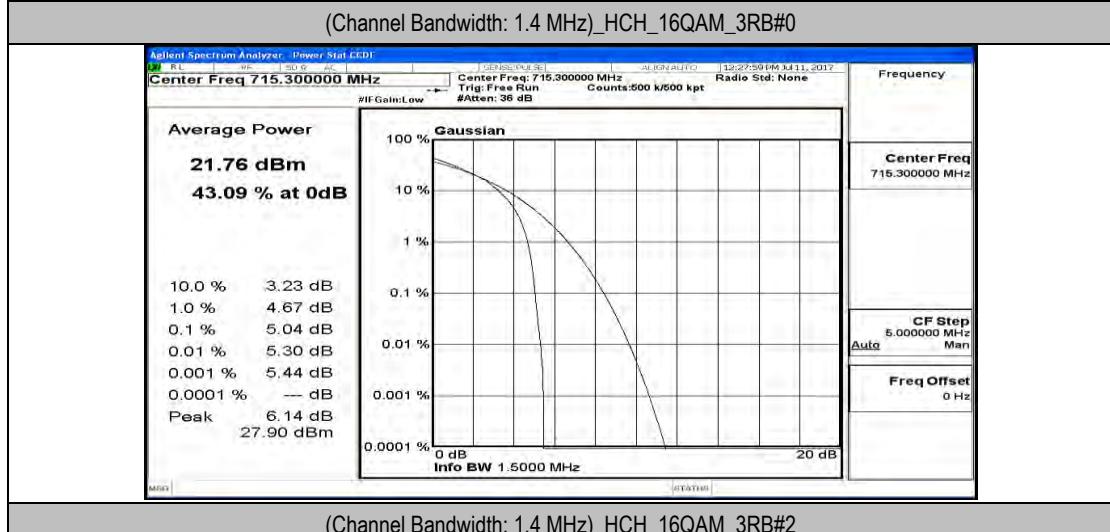
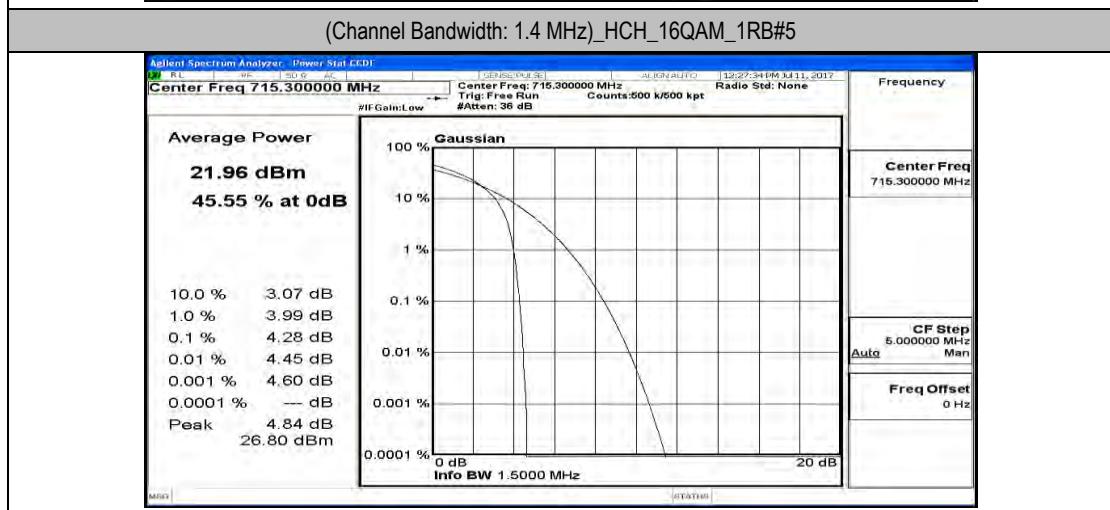
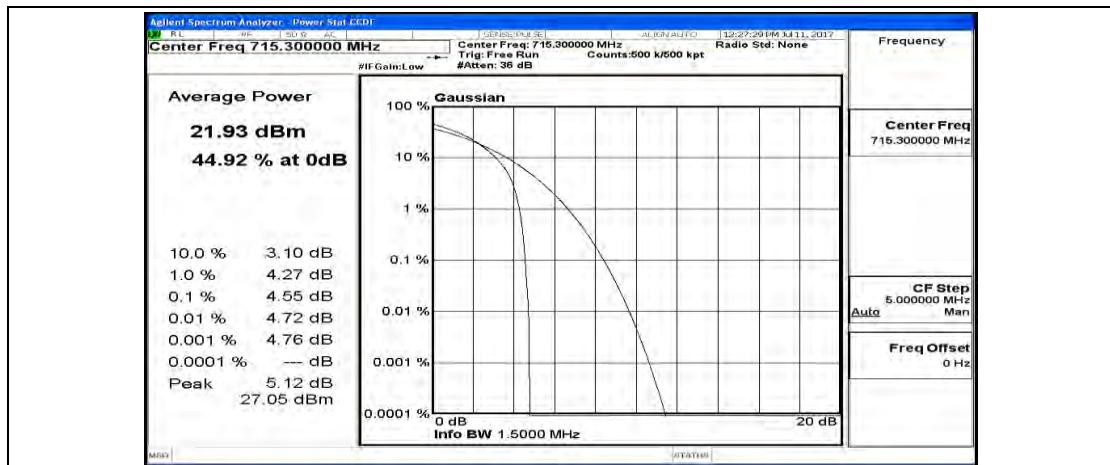
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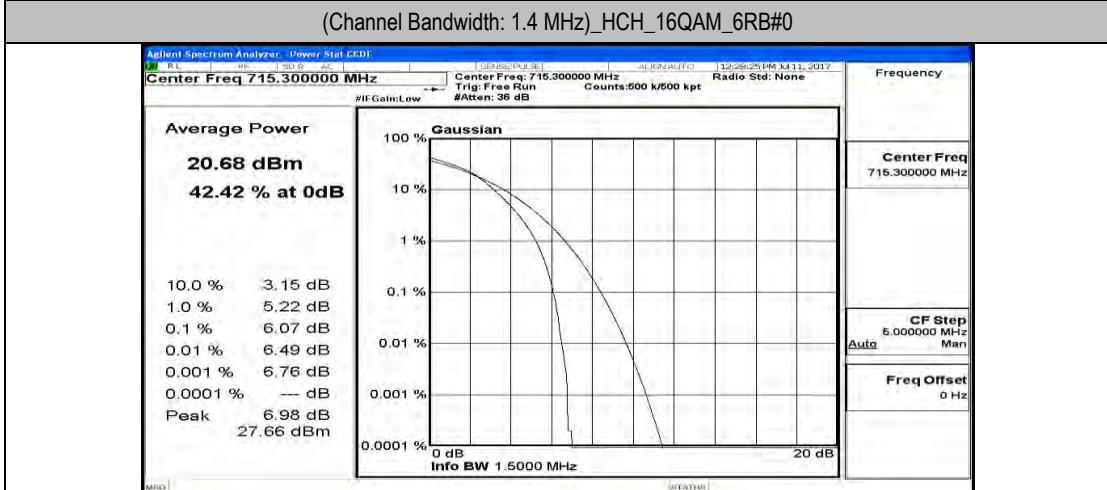
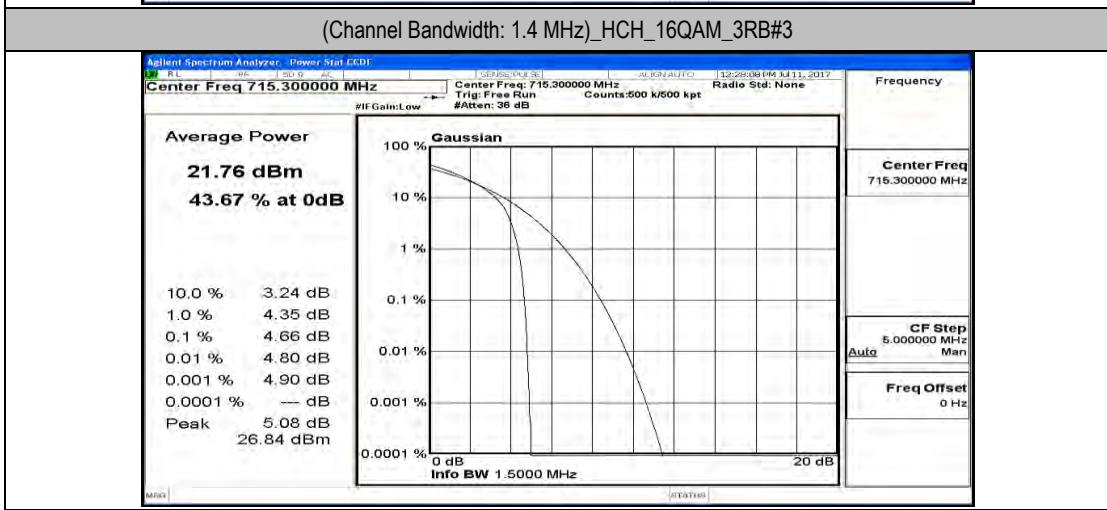
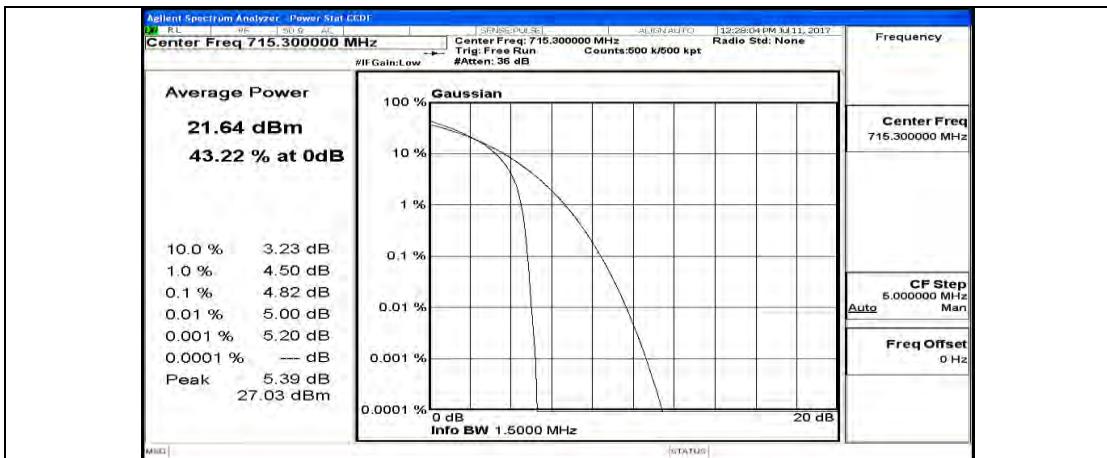


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



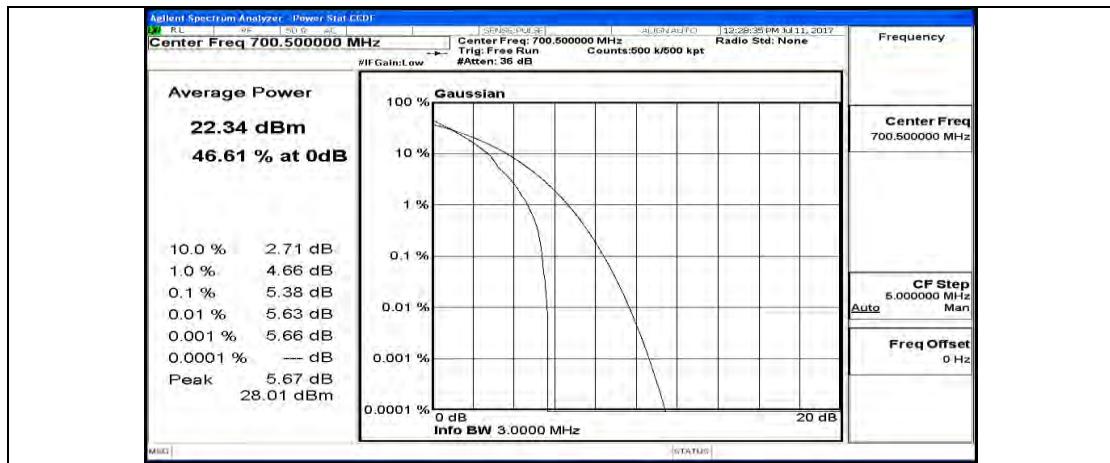
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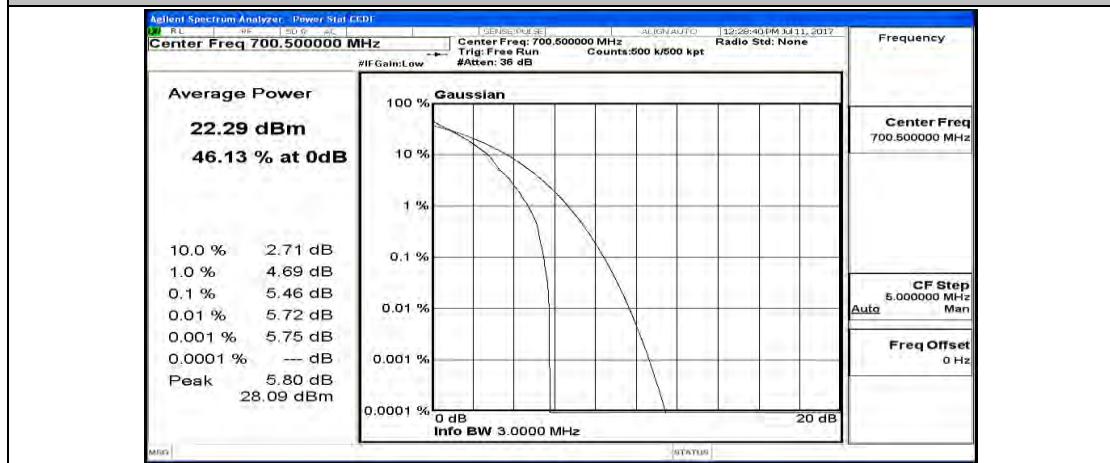


Channel Bandwidth: 3 MHz

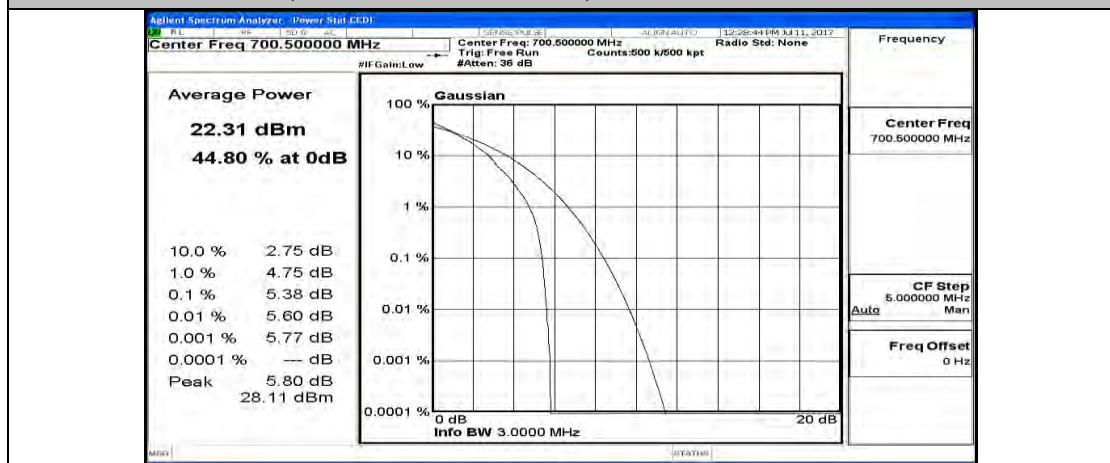
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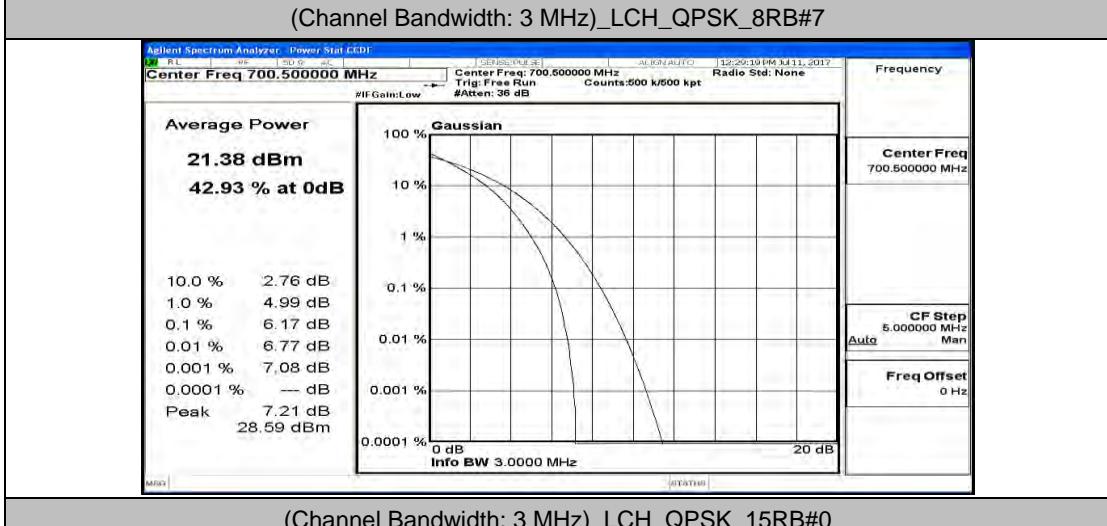
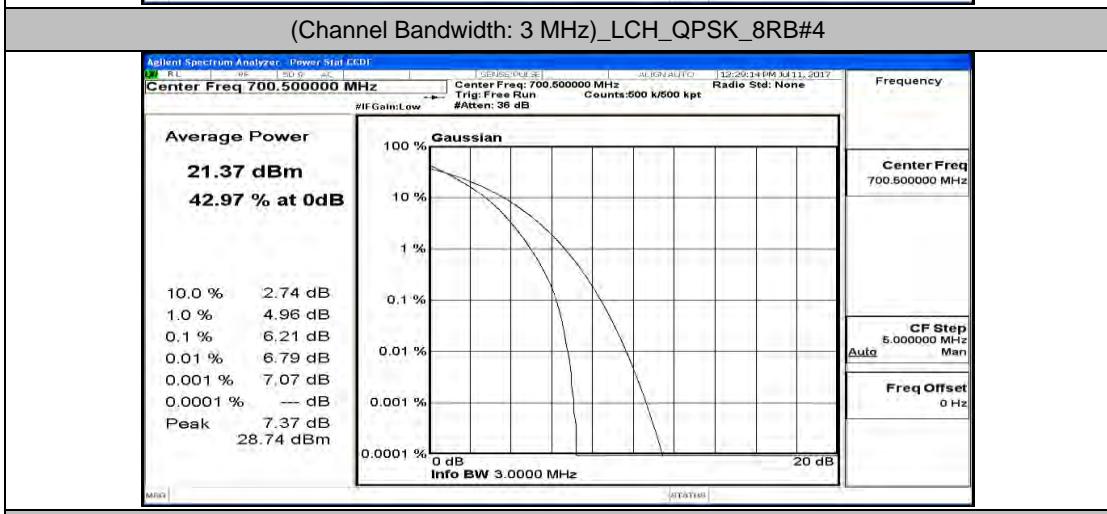
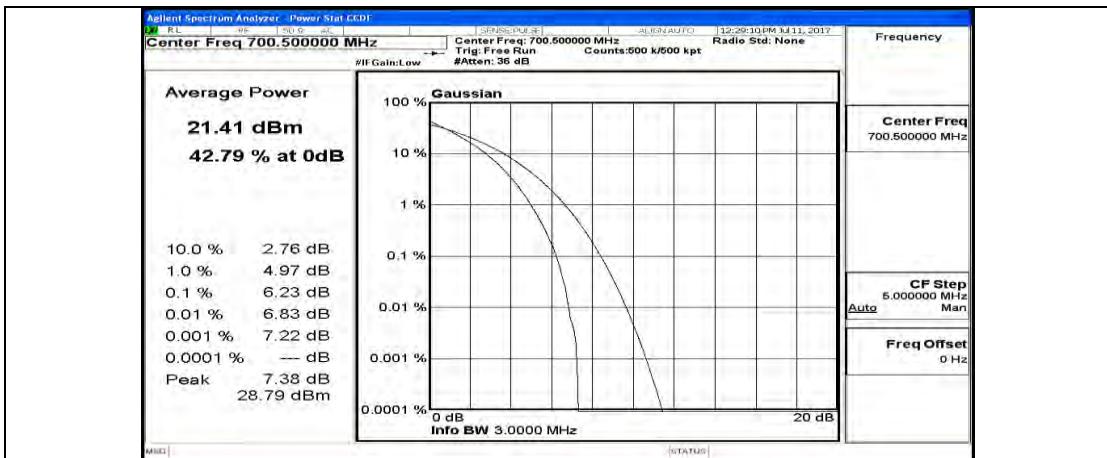
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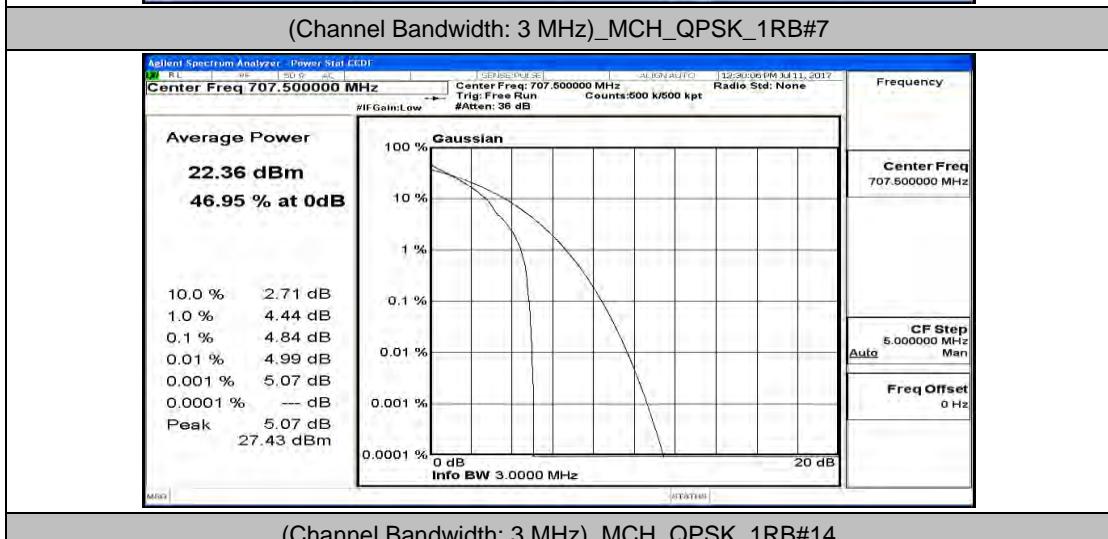
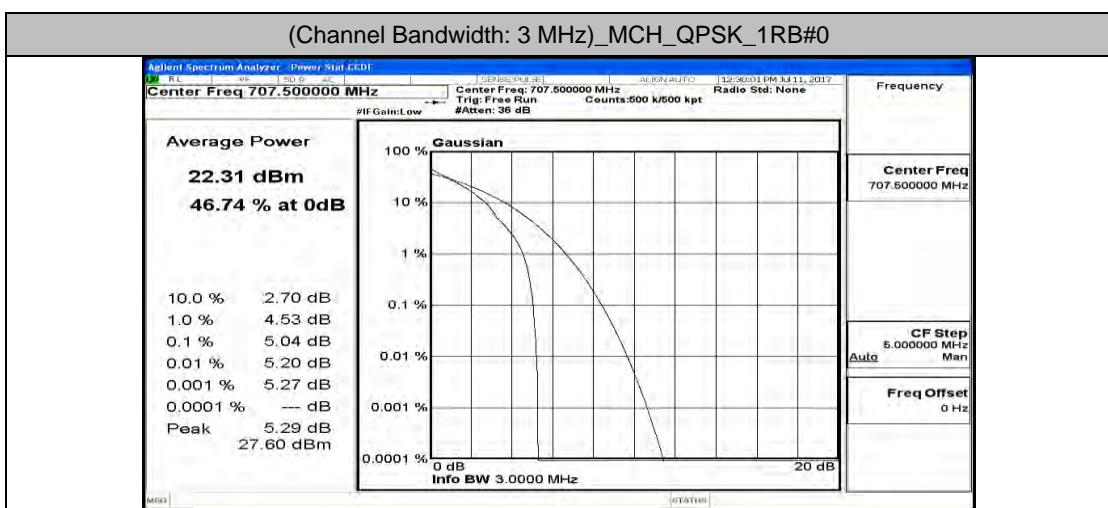
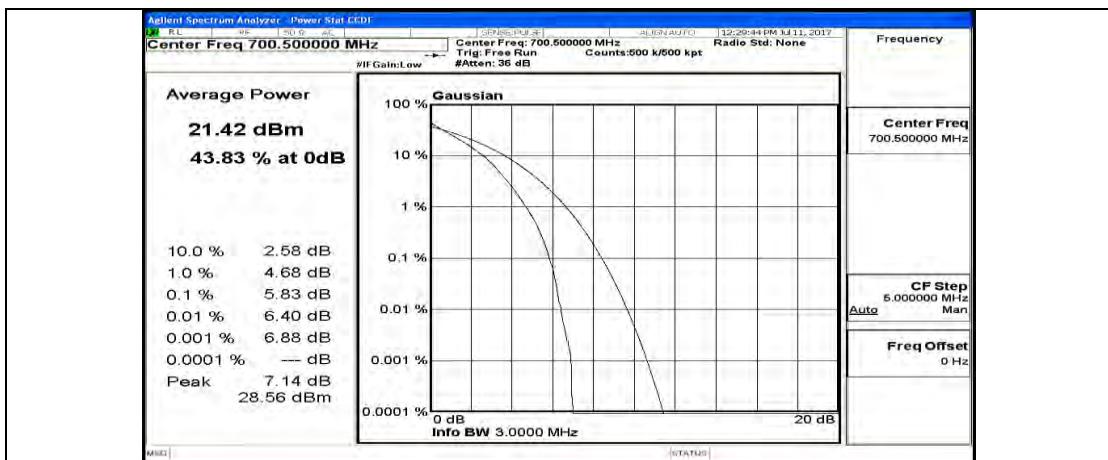


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

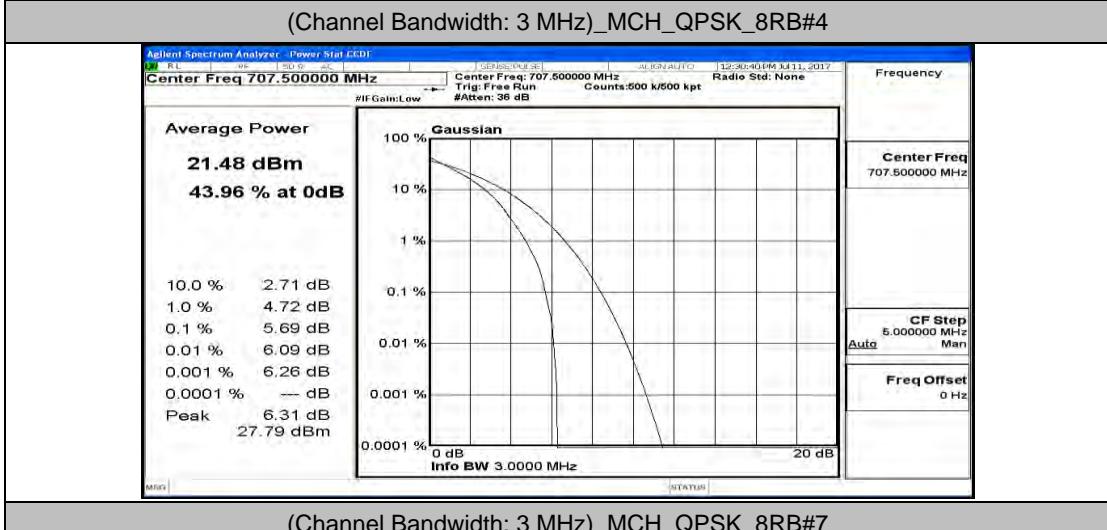
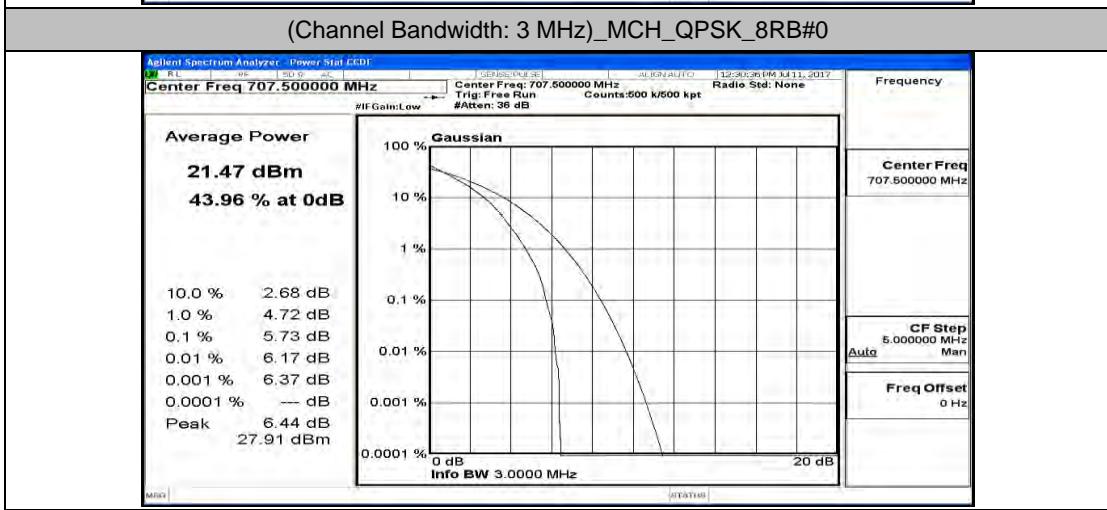
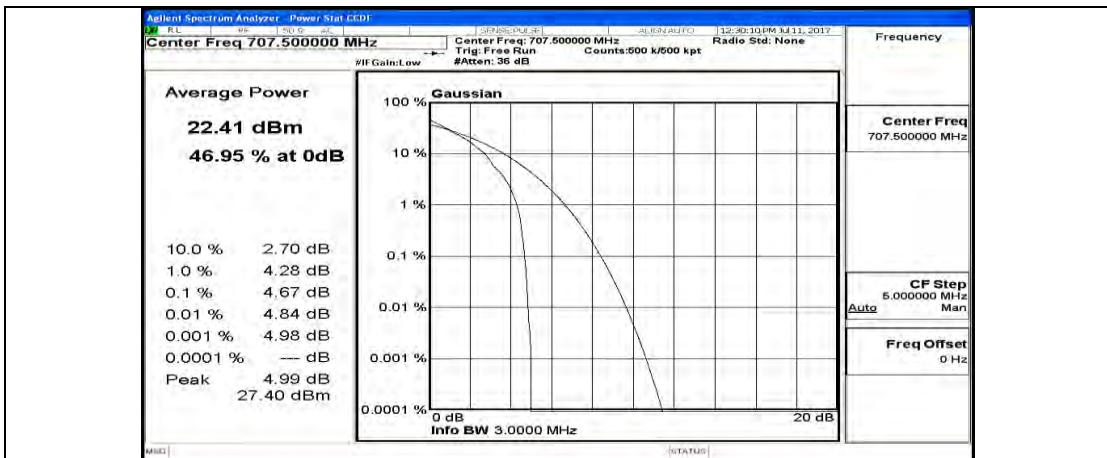


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

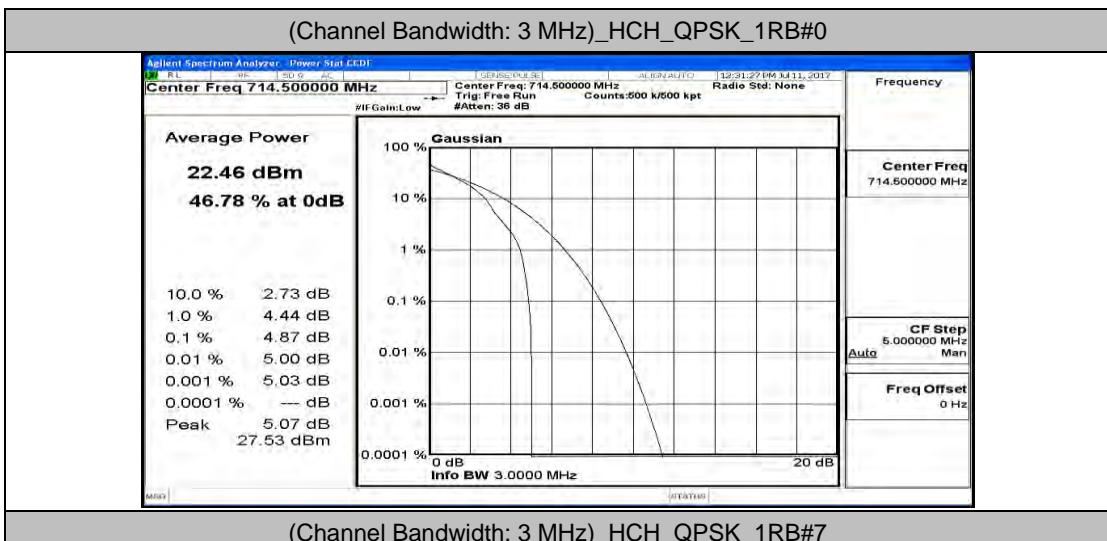
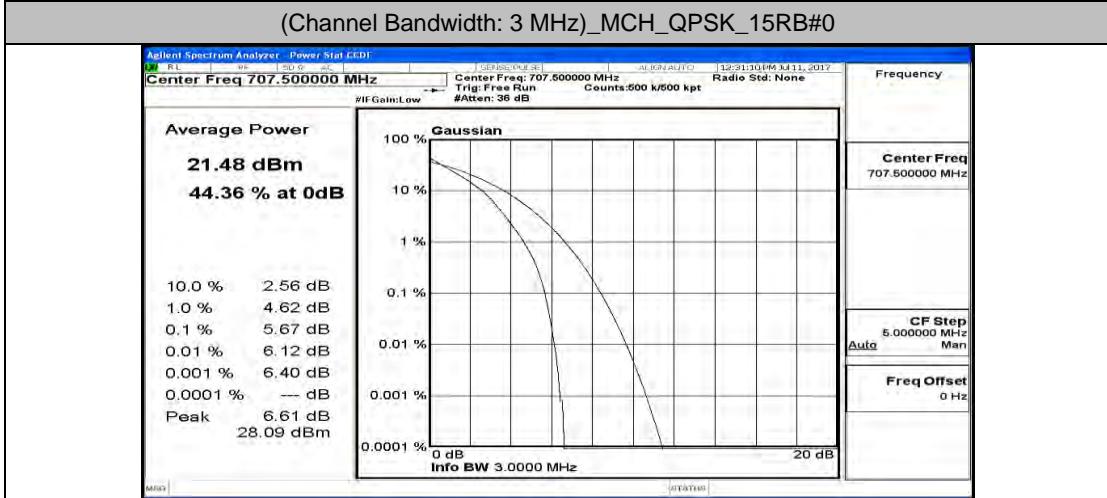
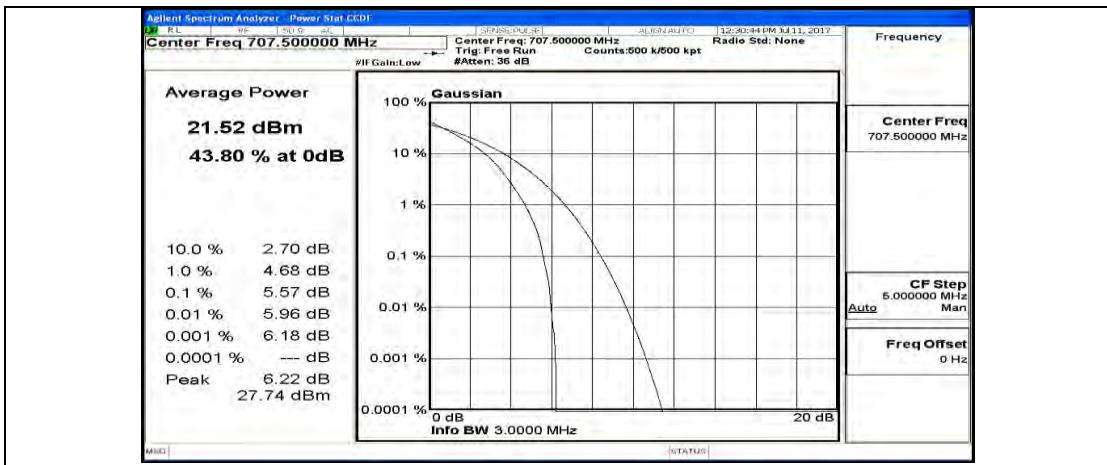




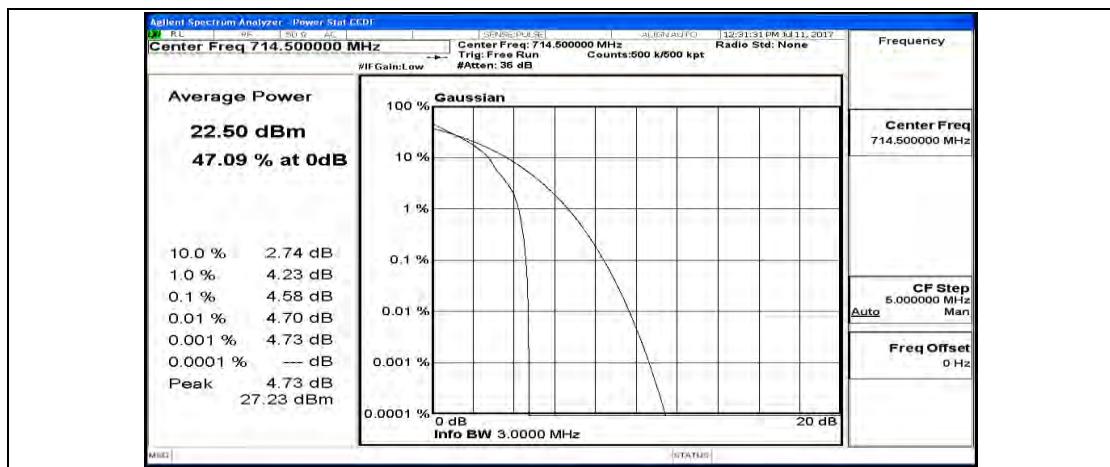
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



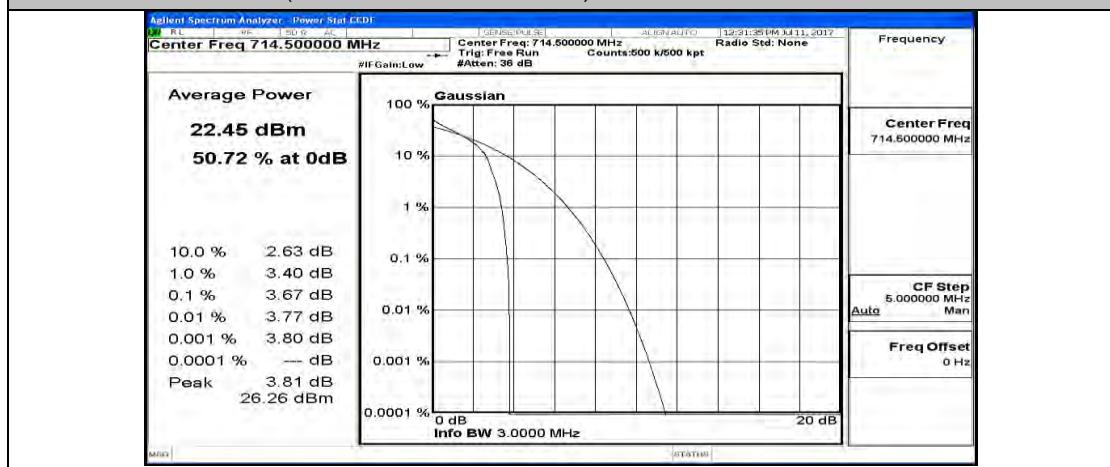
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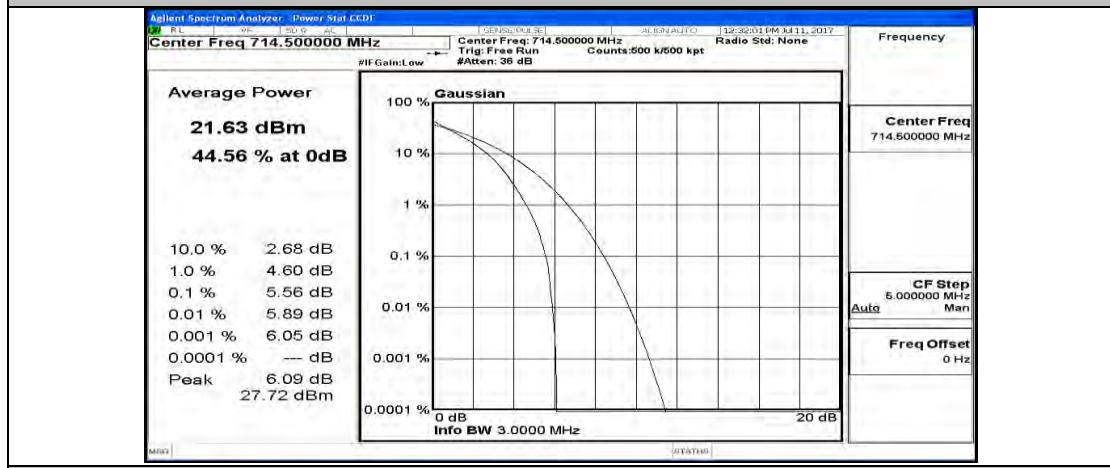
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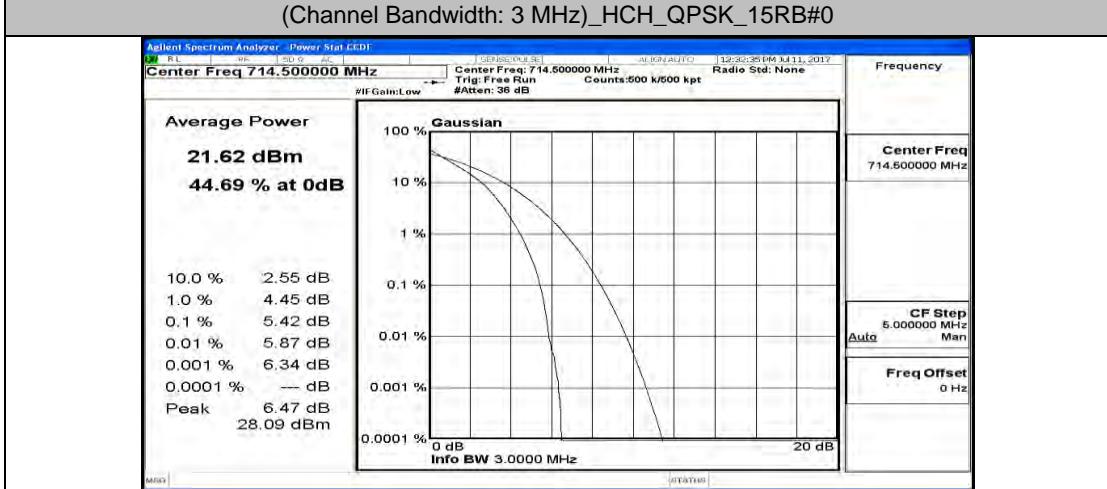
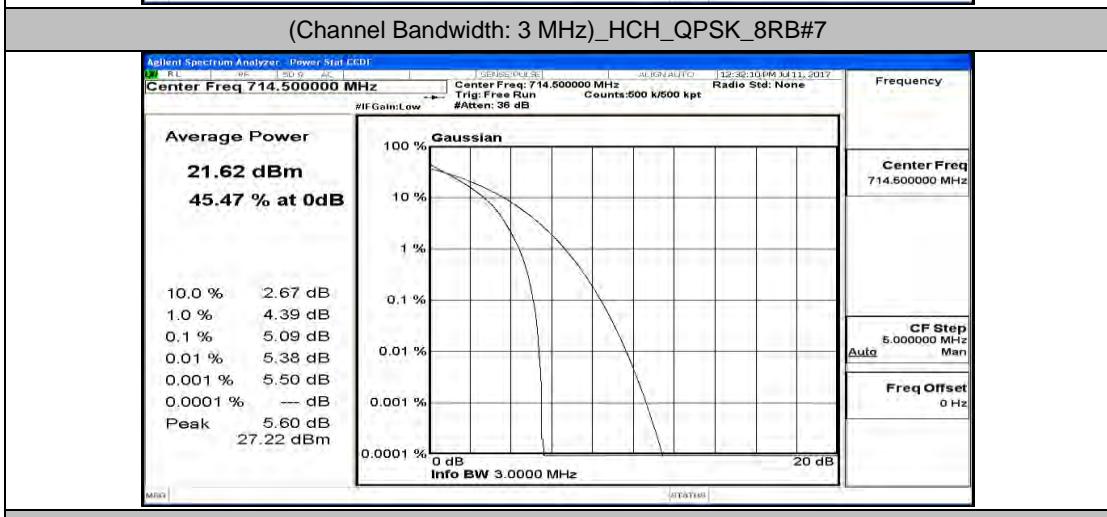
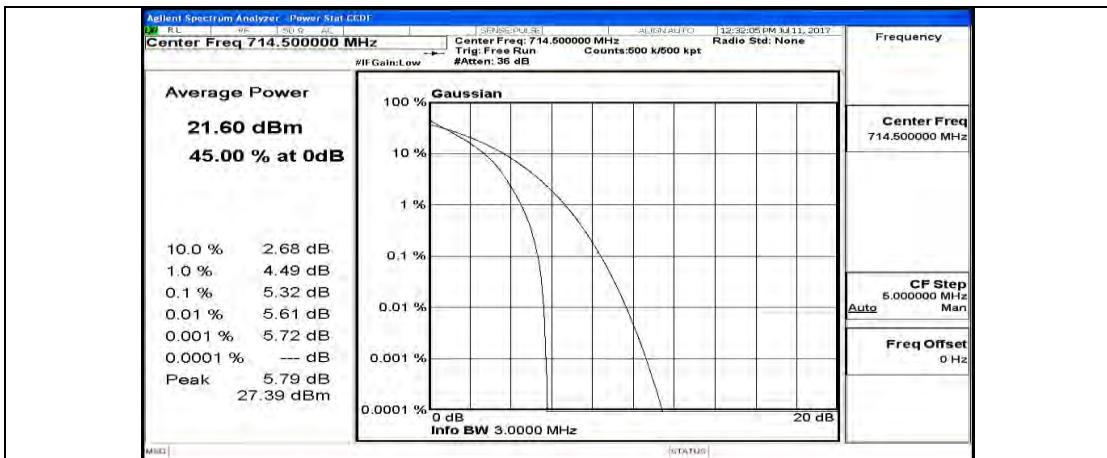
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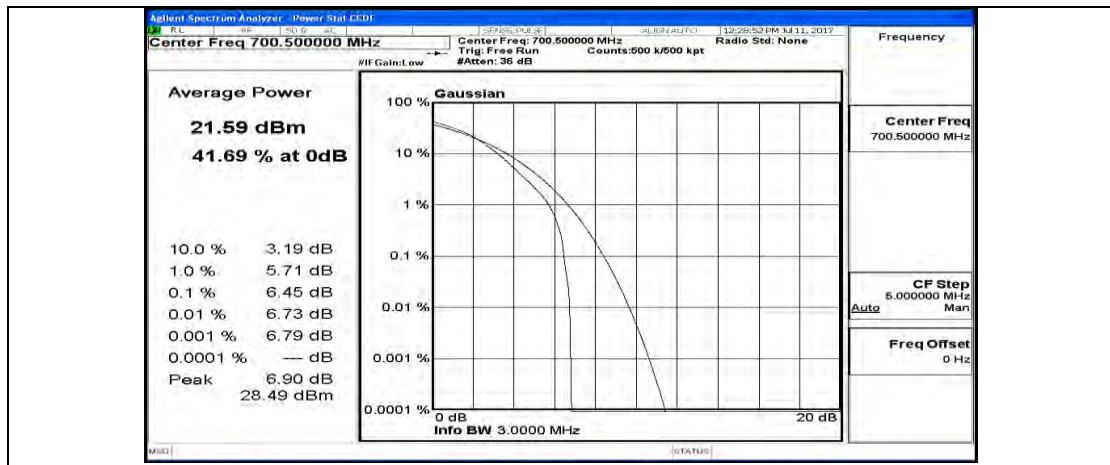


(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

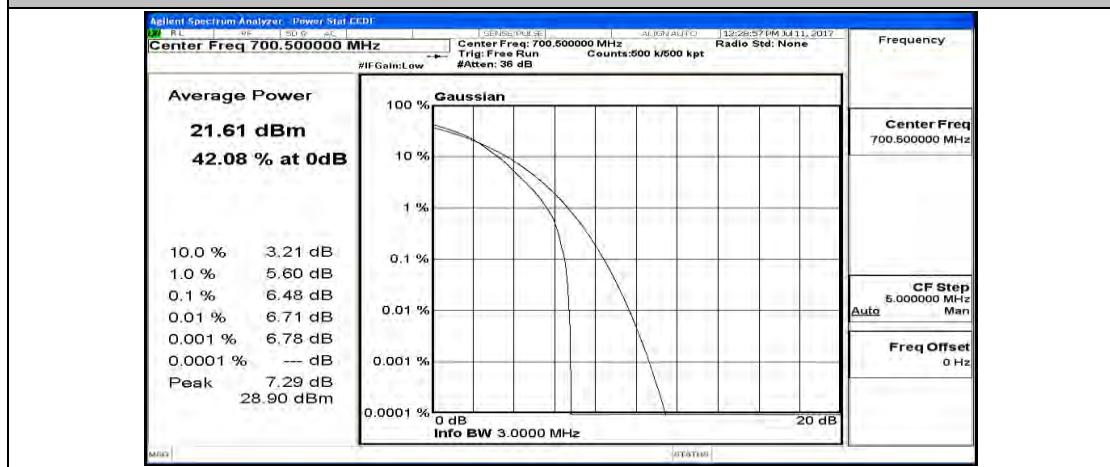


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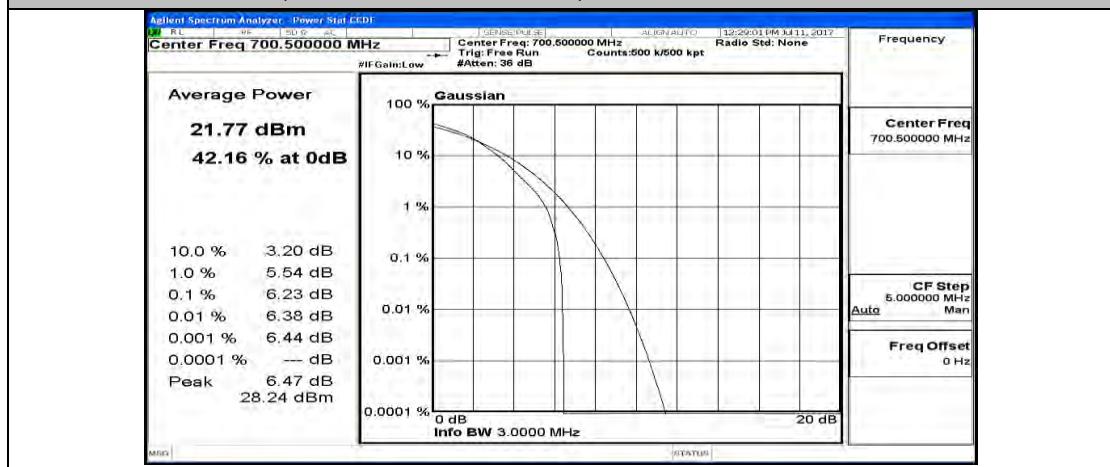




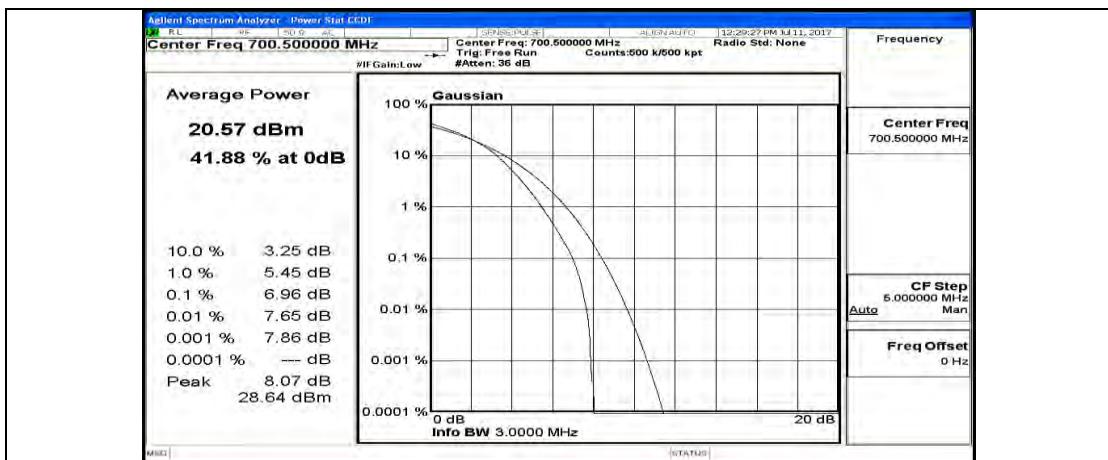
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



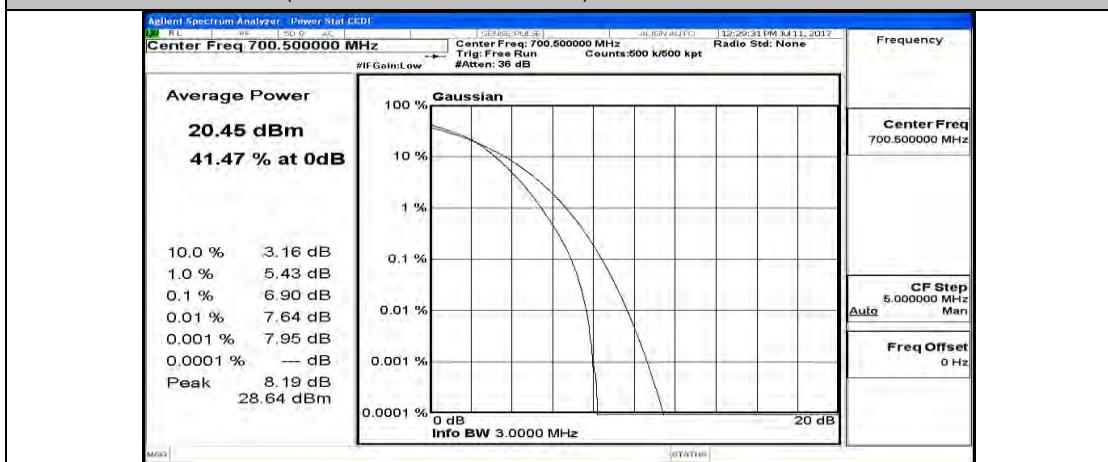
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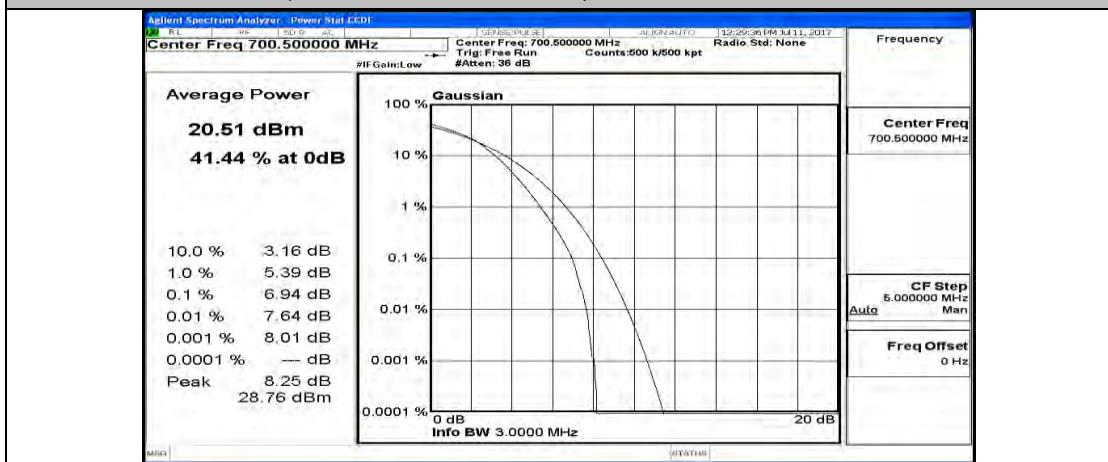
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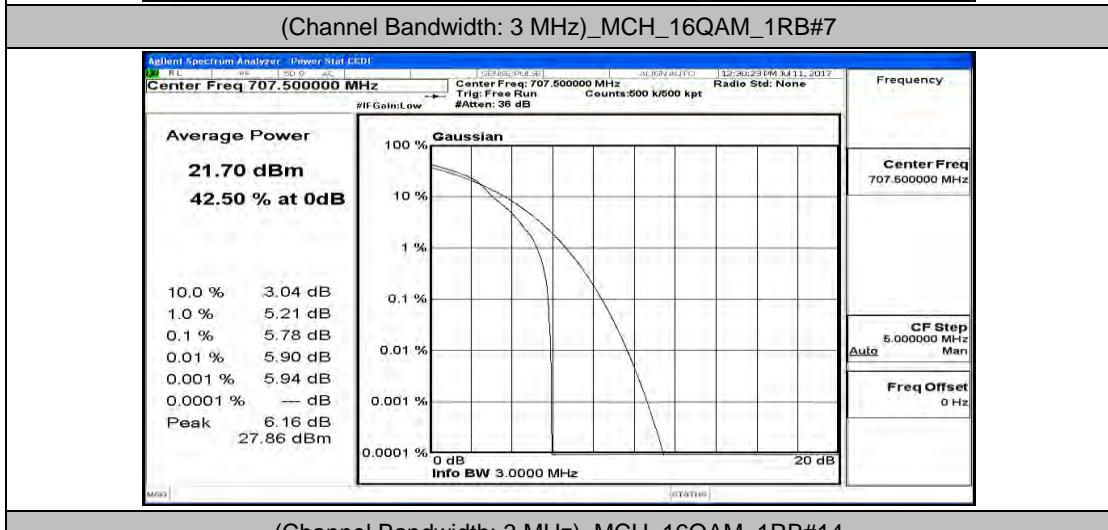
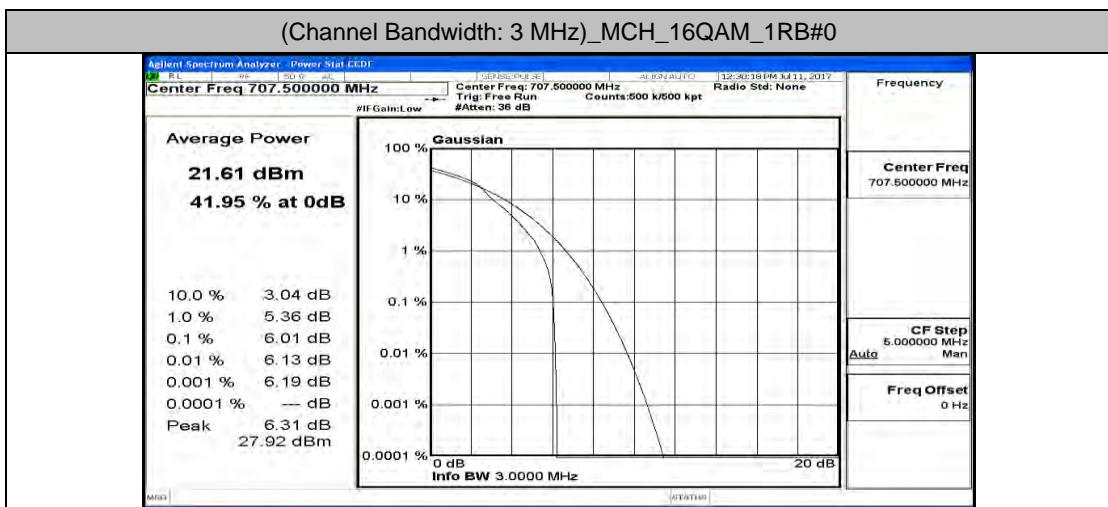
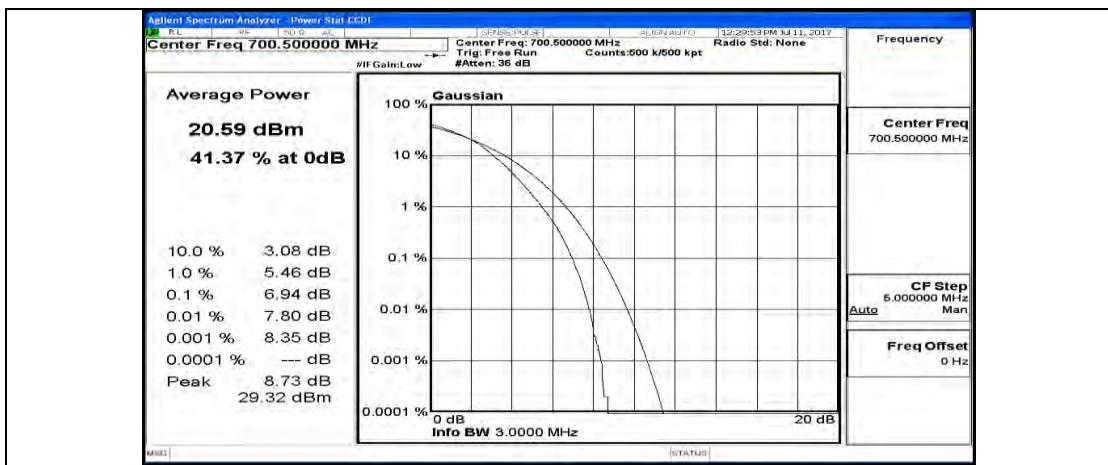
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



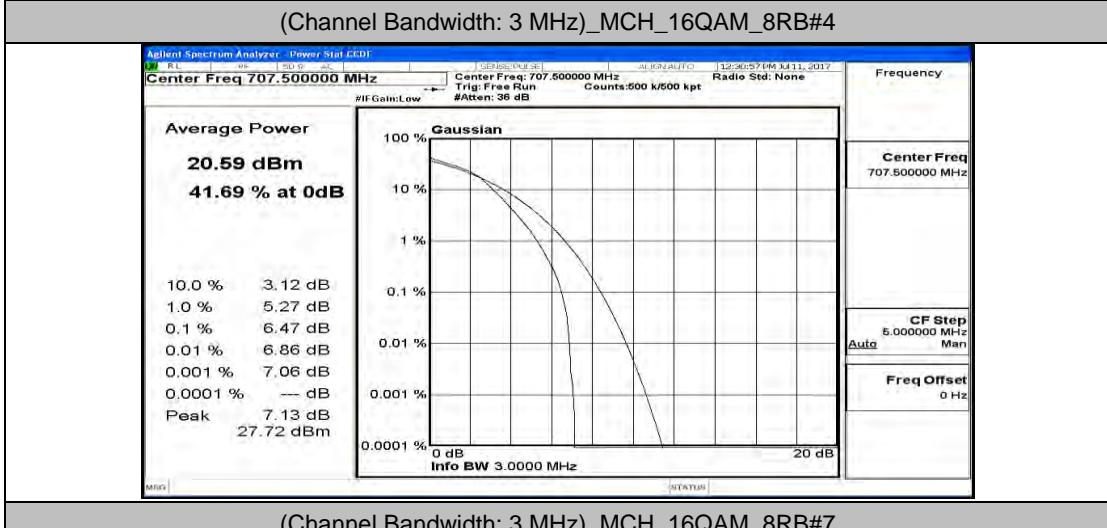
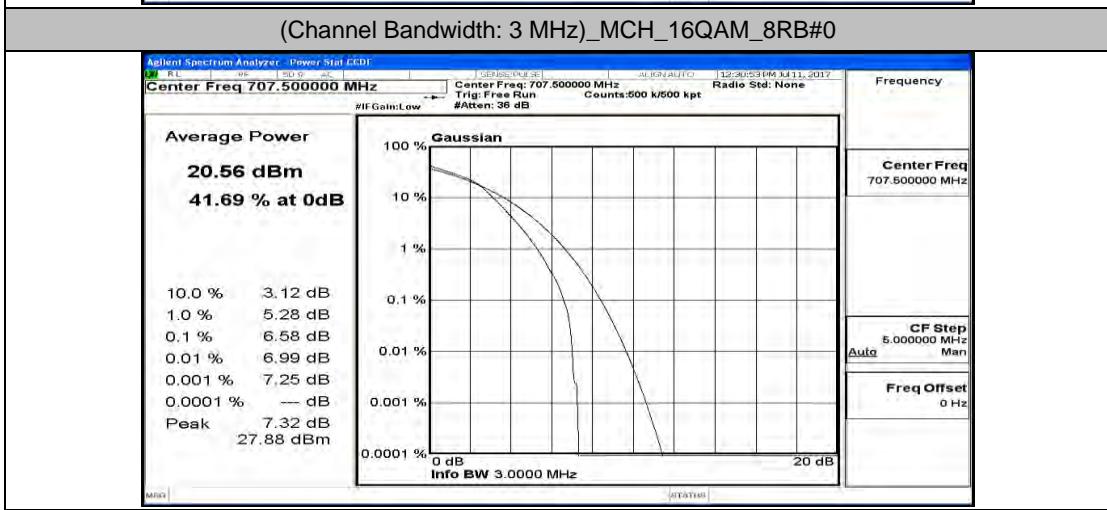
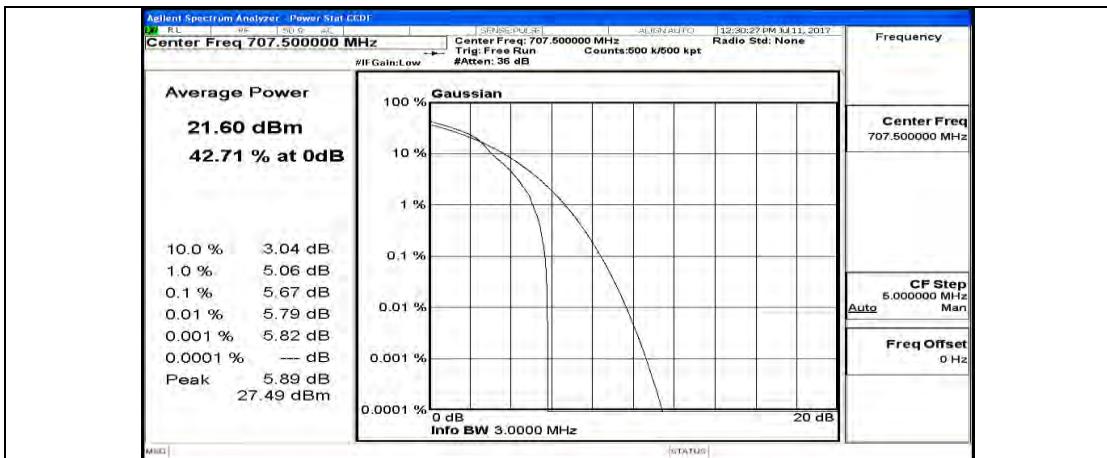
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



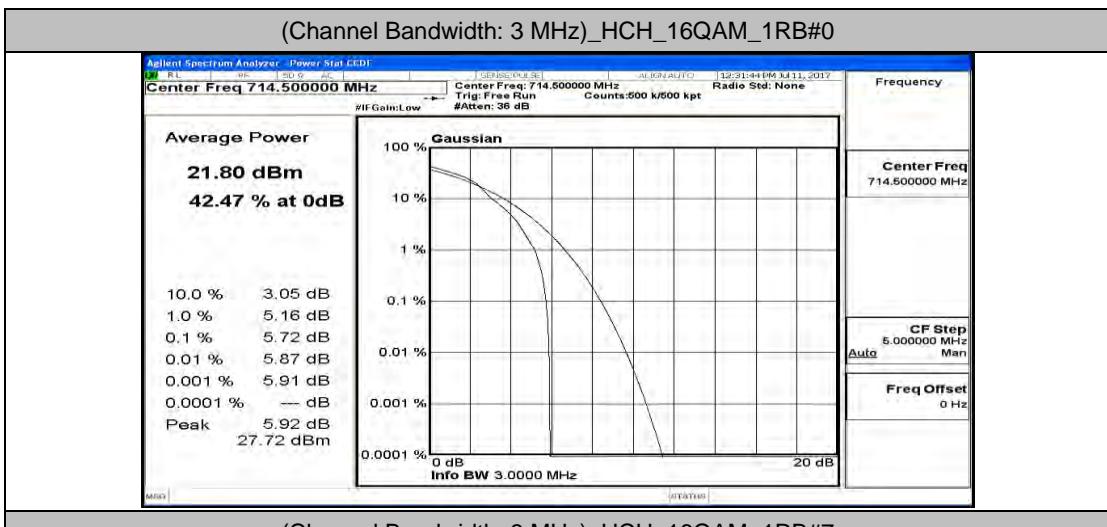
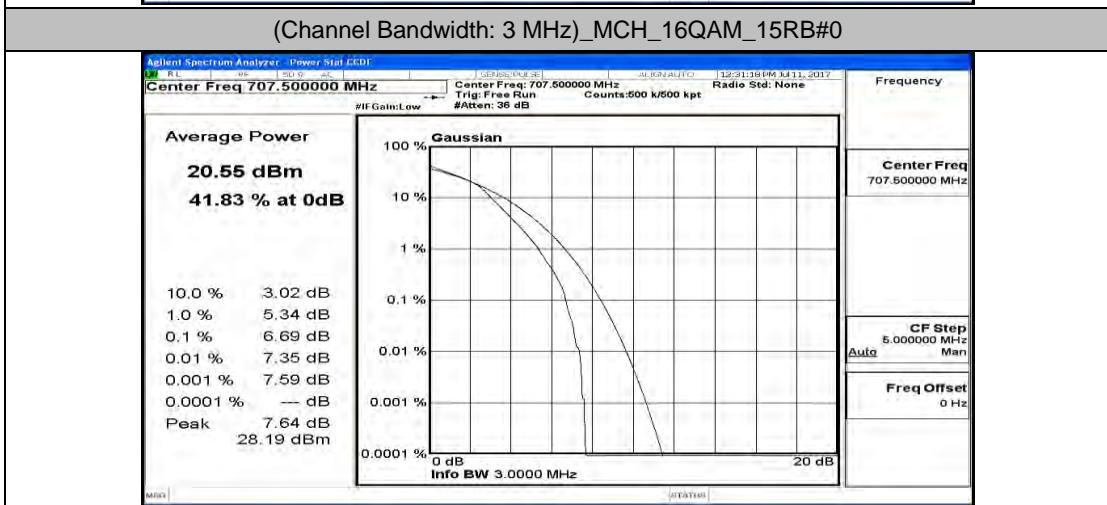
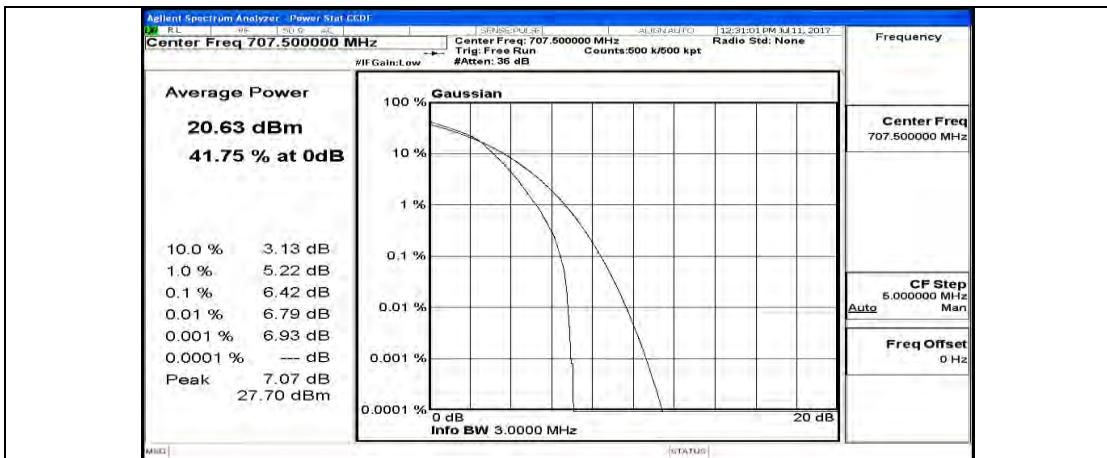
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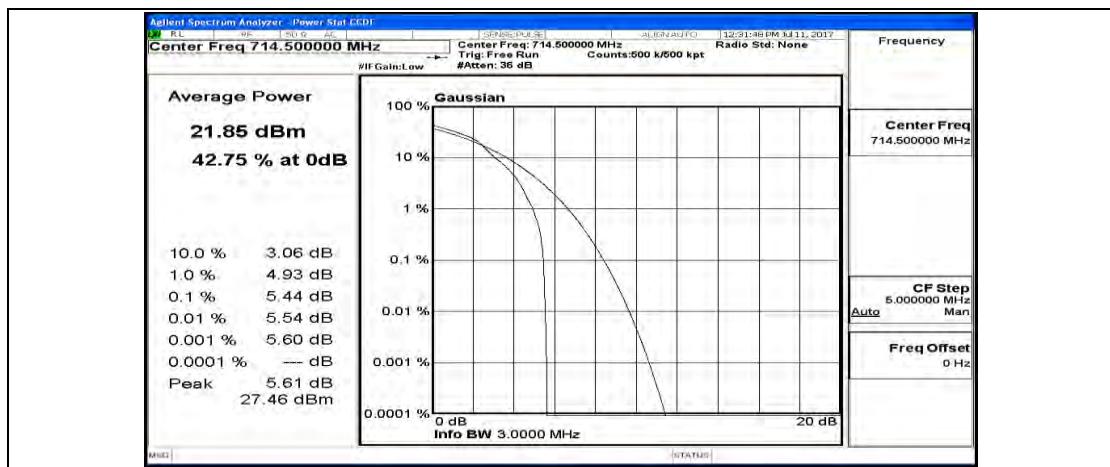
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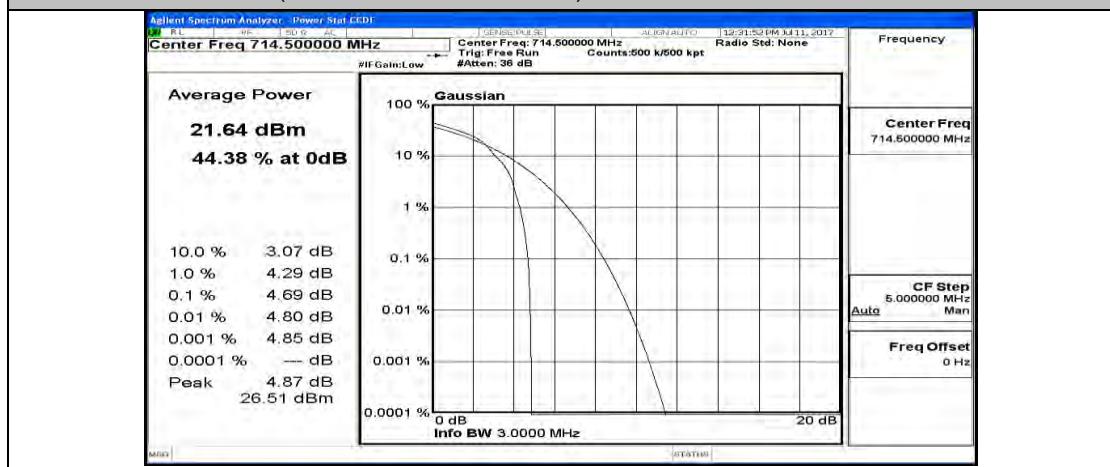
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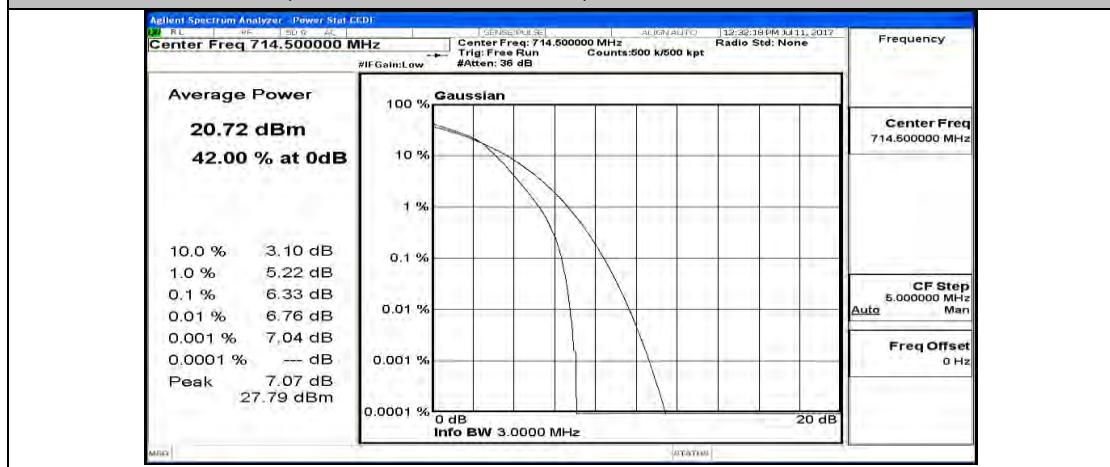
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



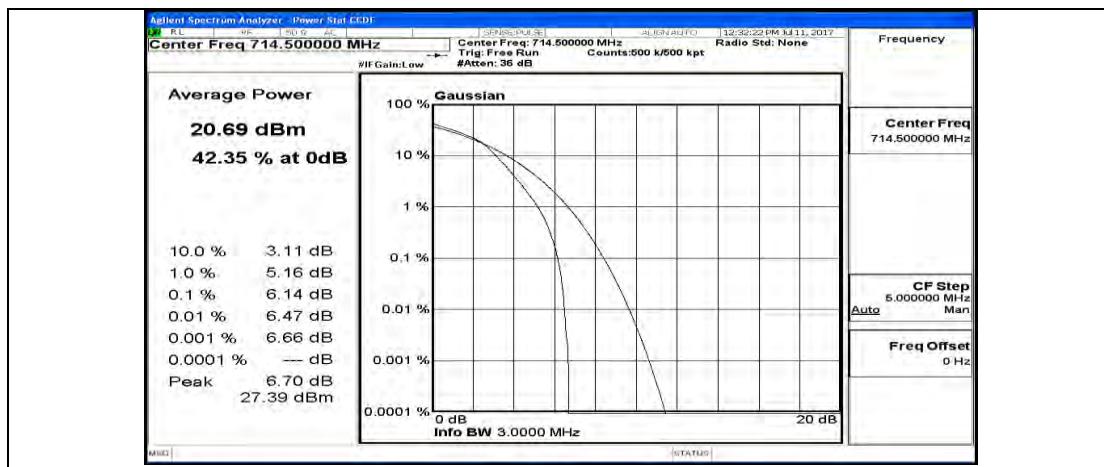
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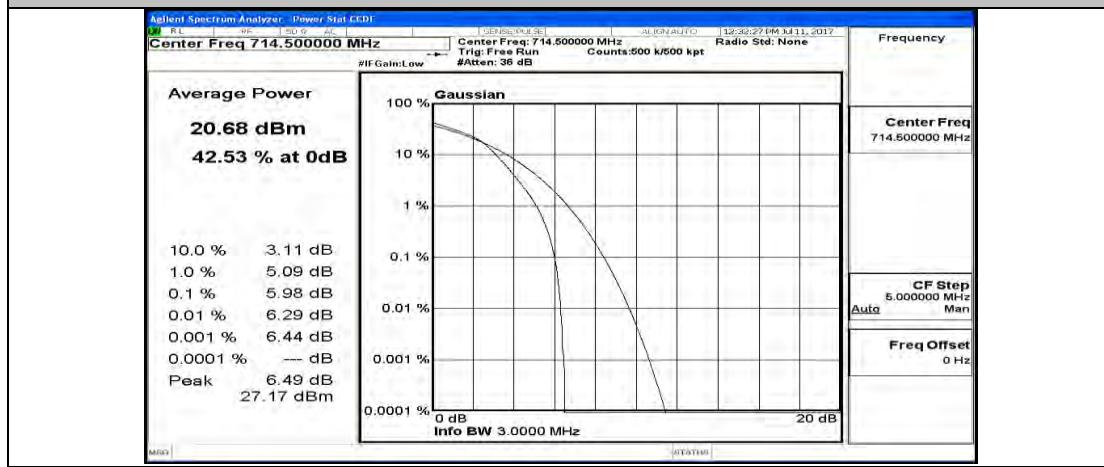
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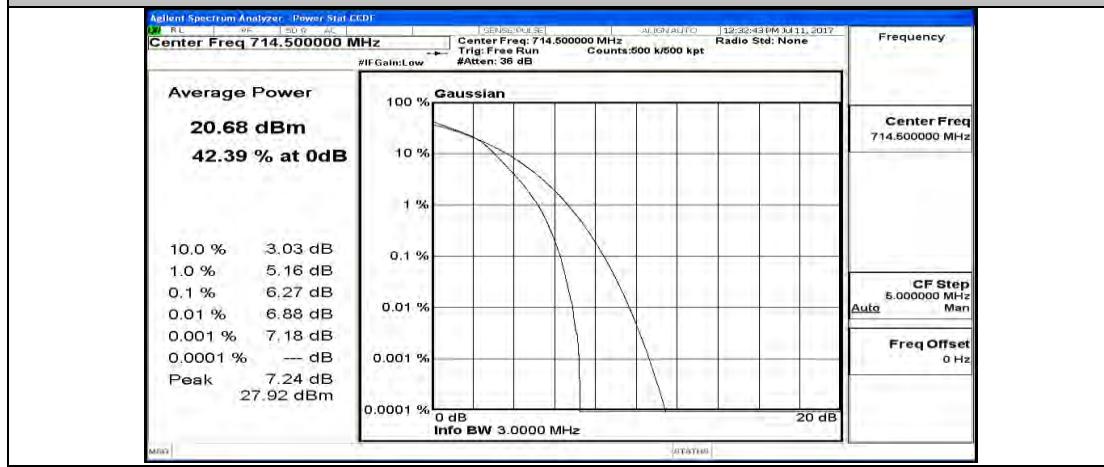
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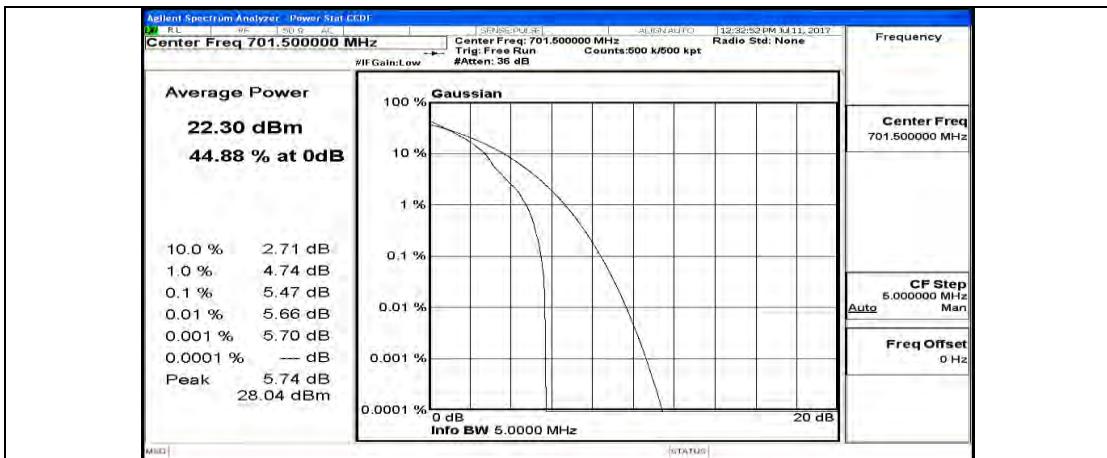


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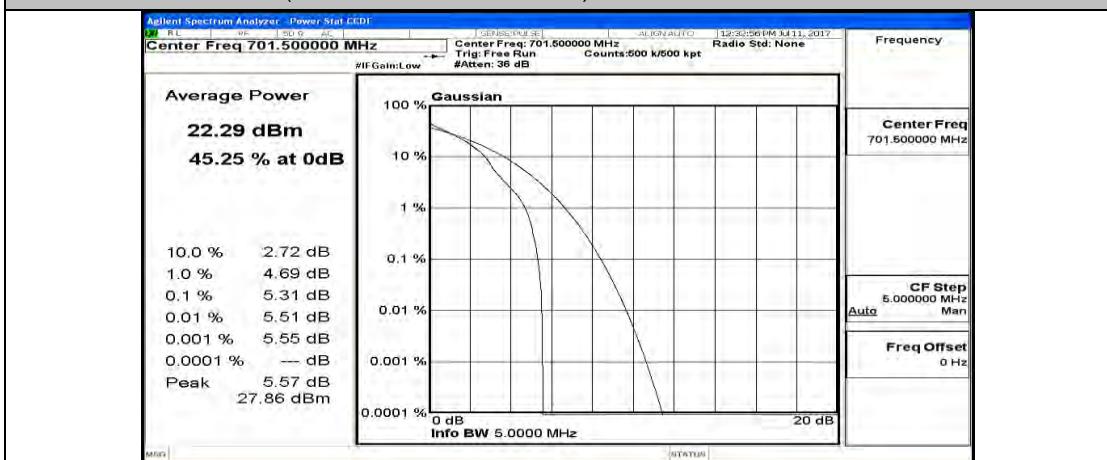


Channel Bandwidth: 5 MHz

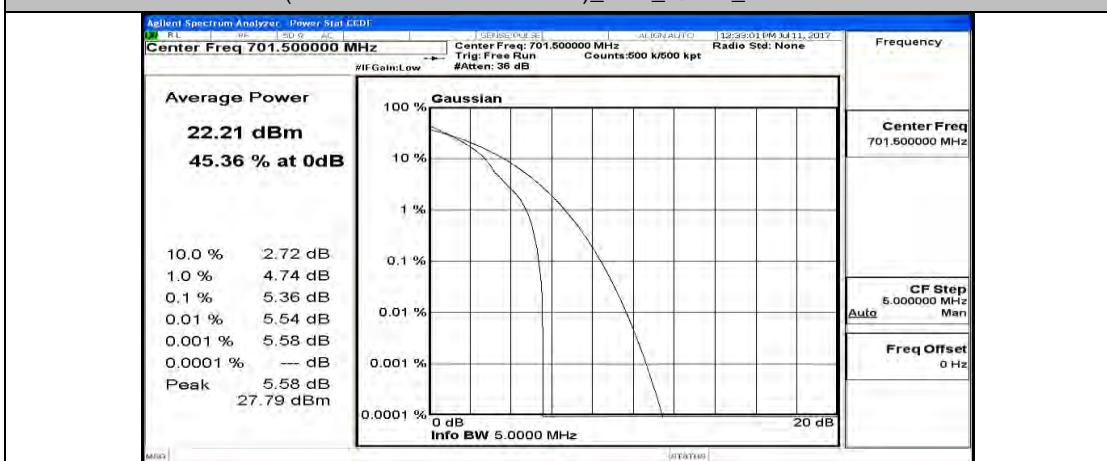
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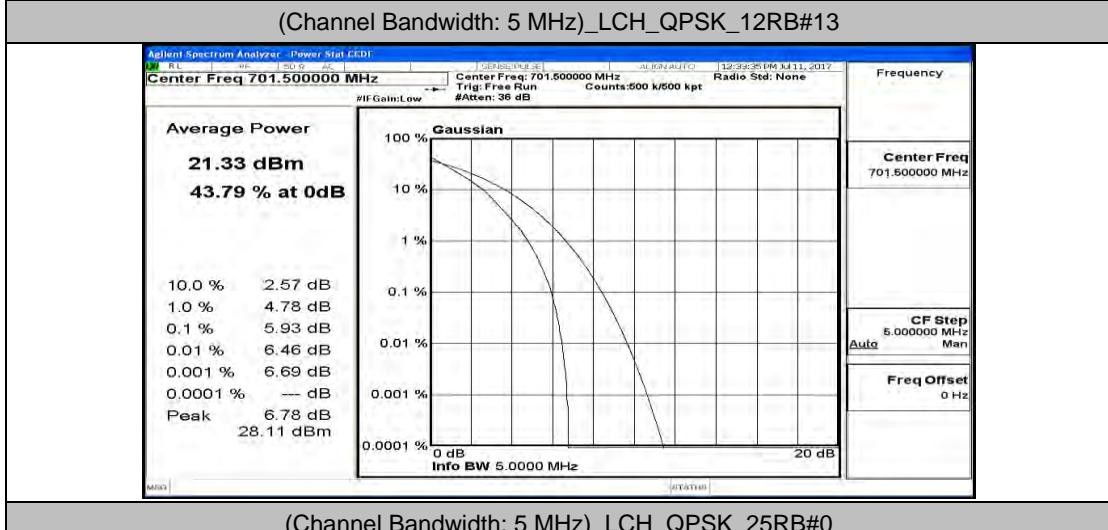
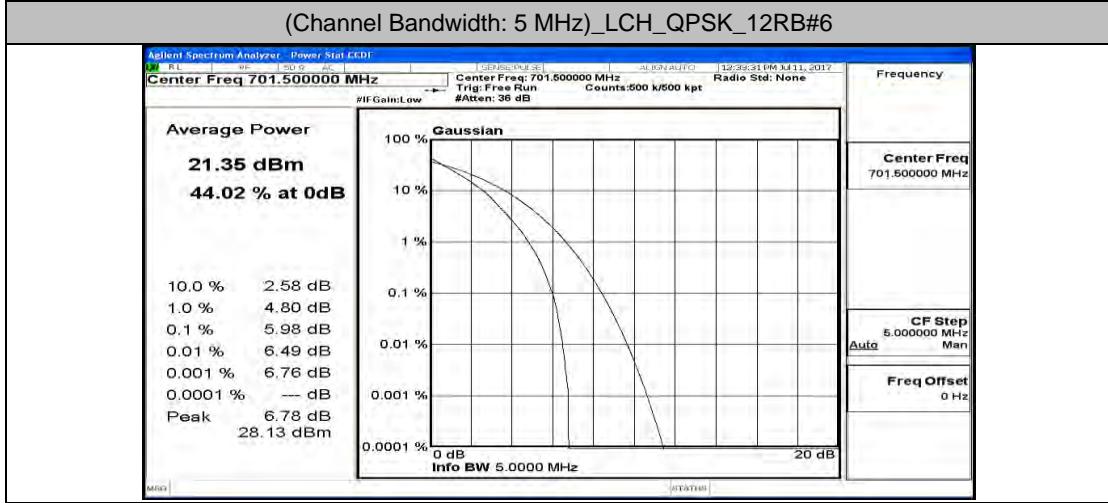
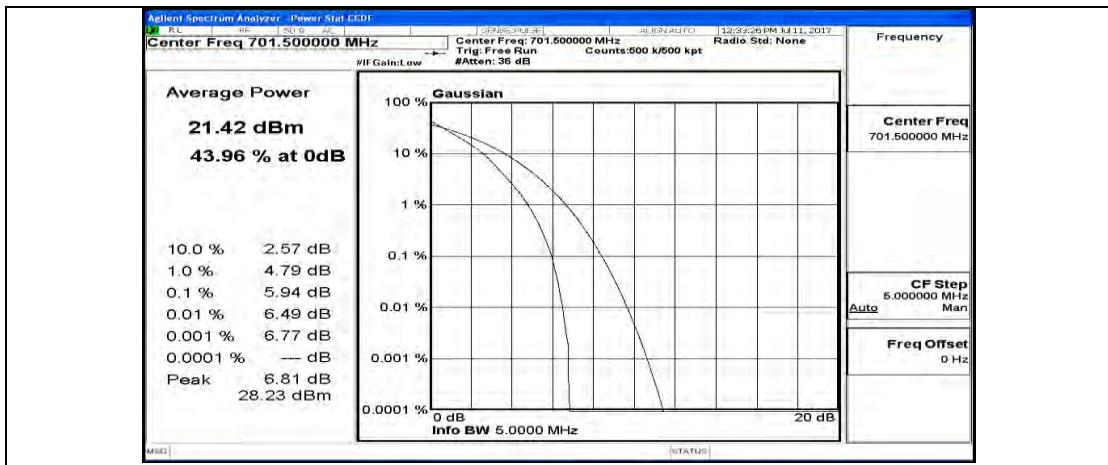
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



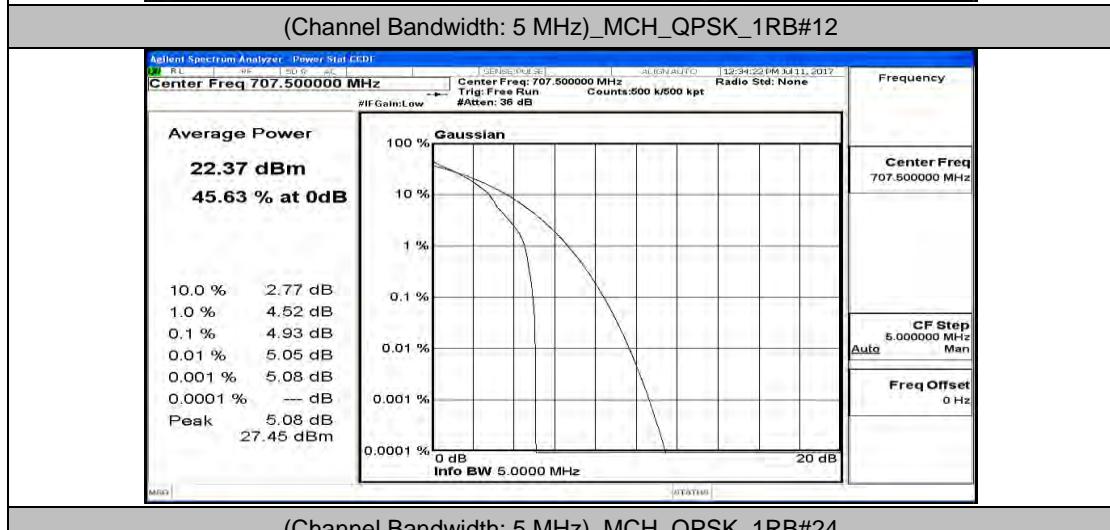
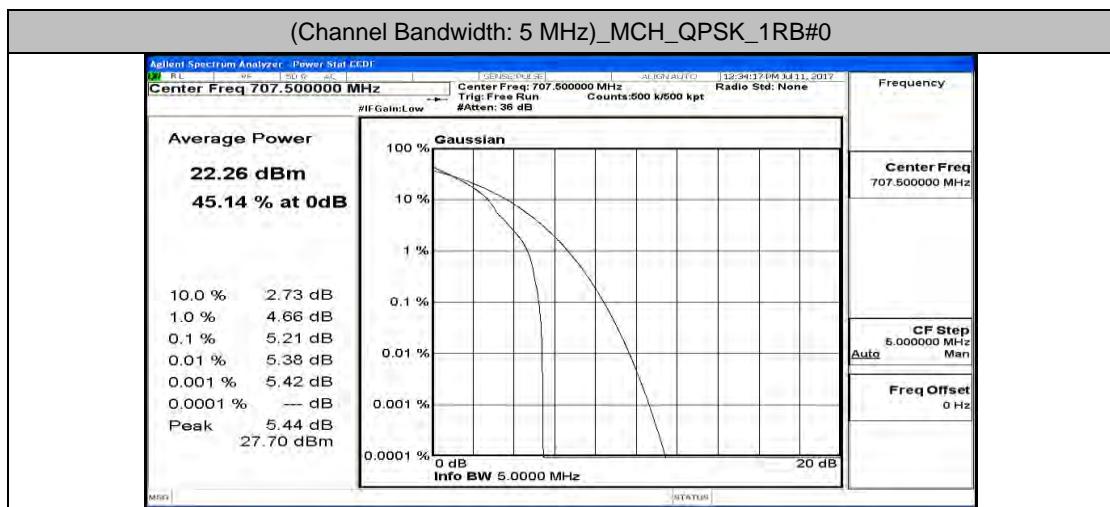
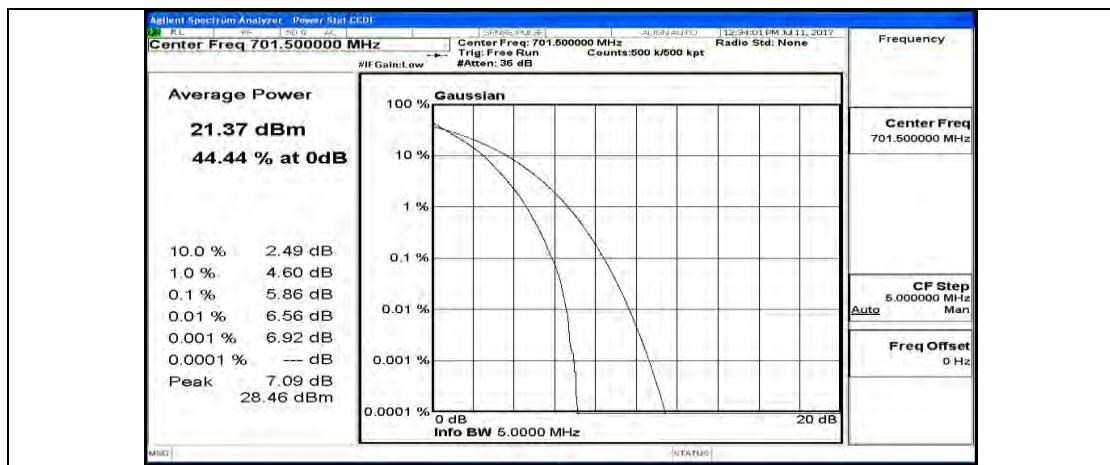
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



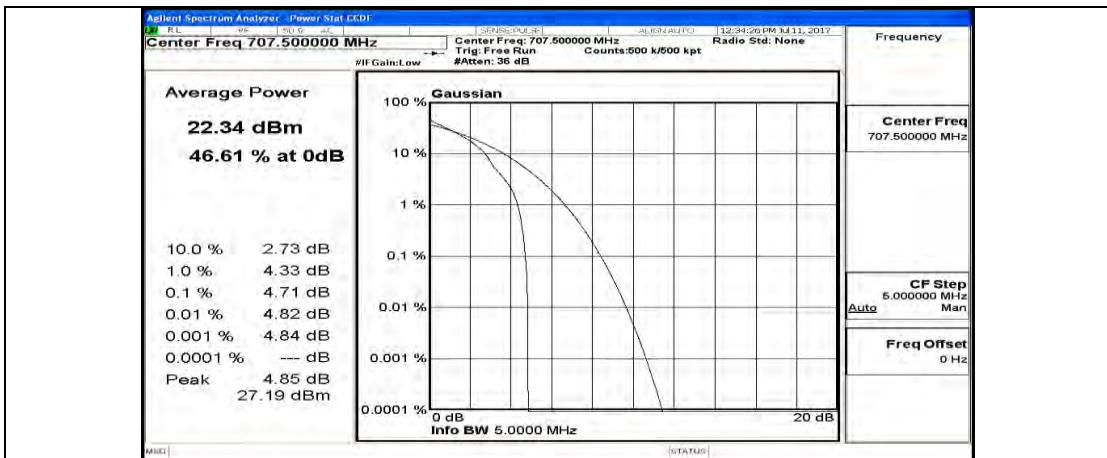
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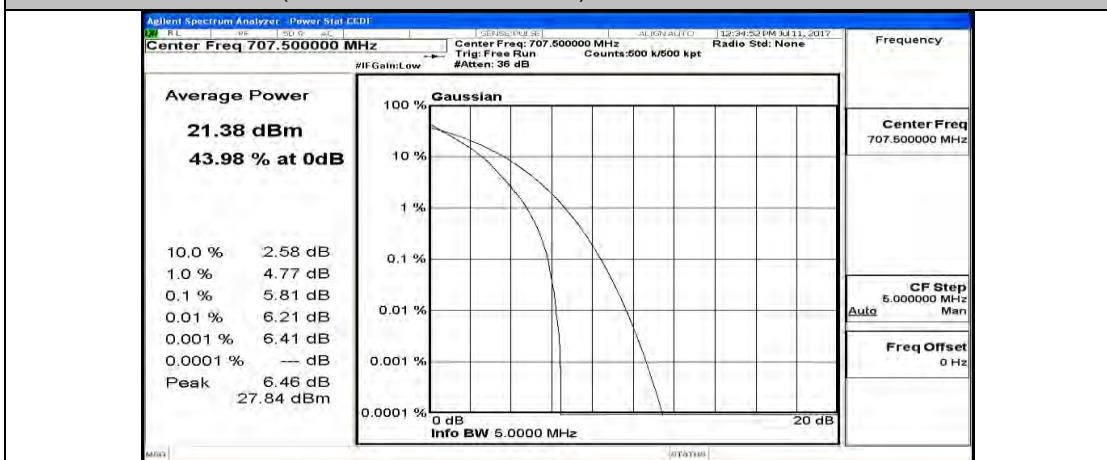
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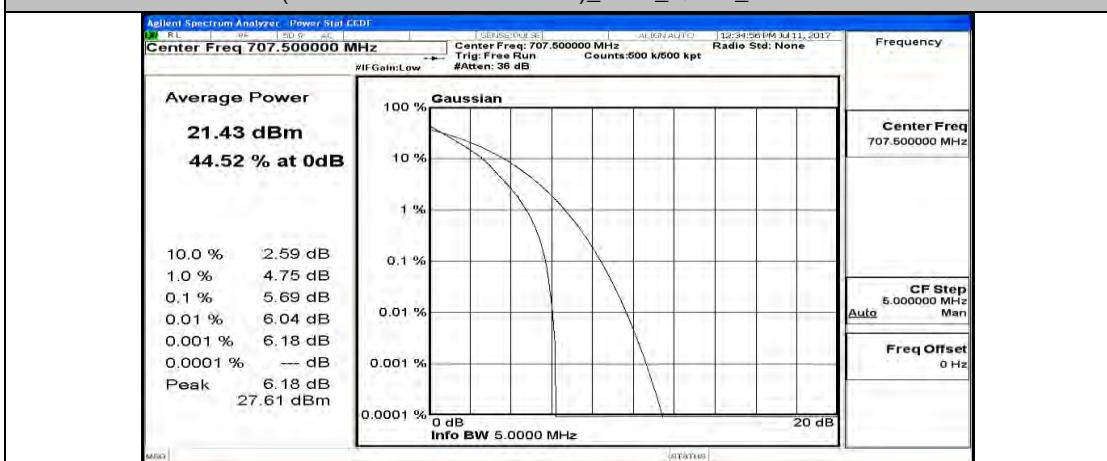
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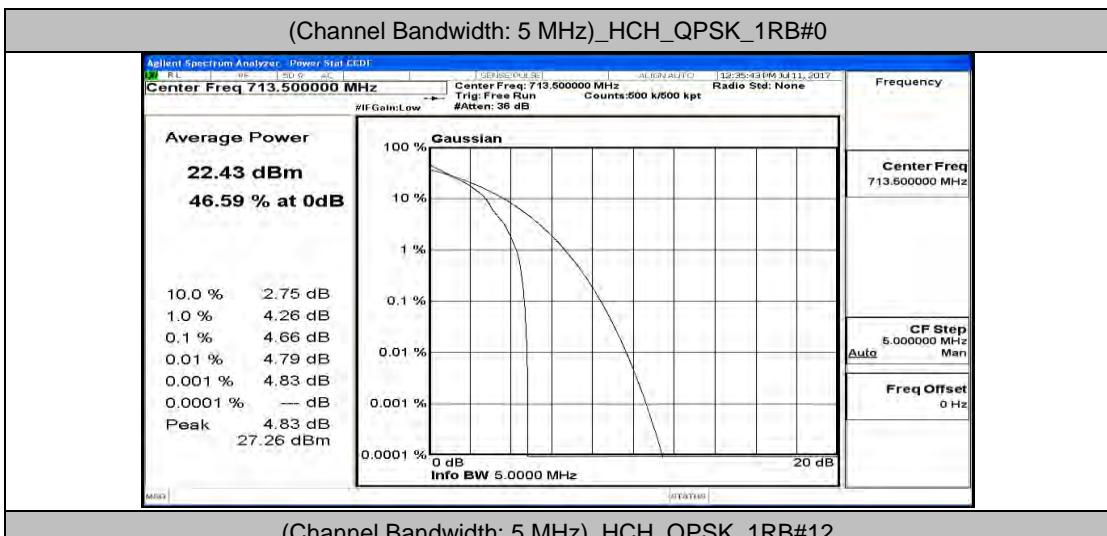
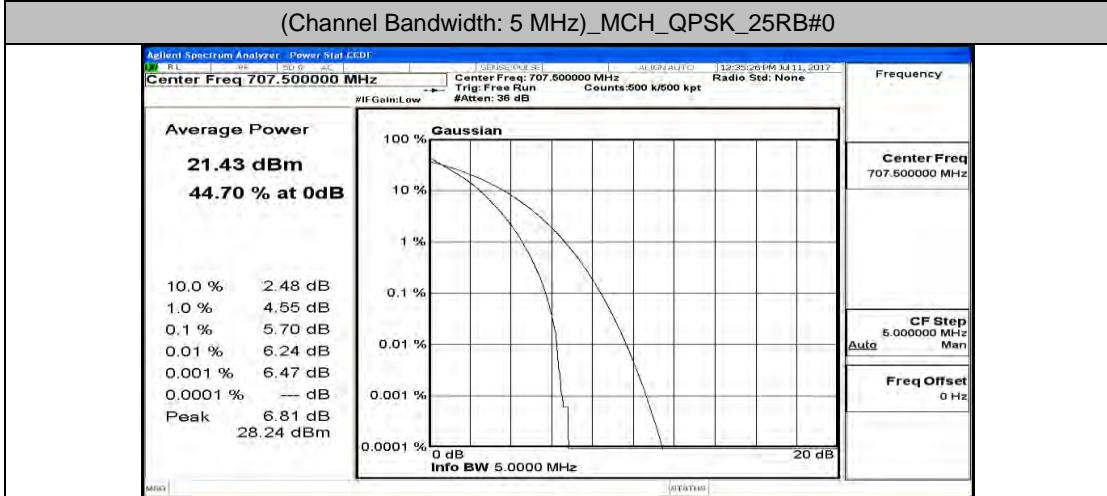
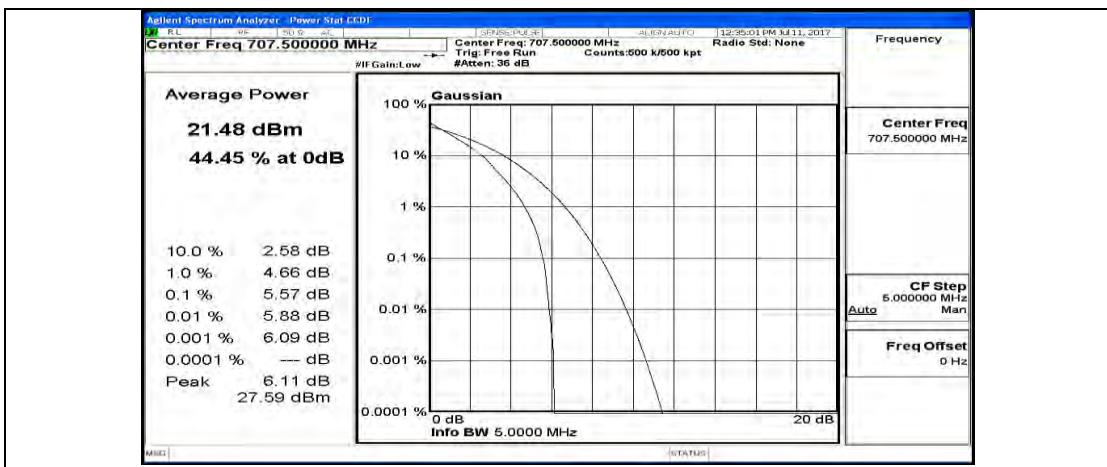
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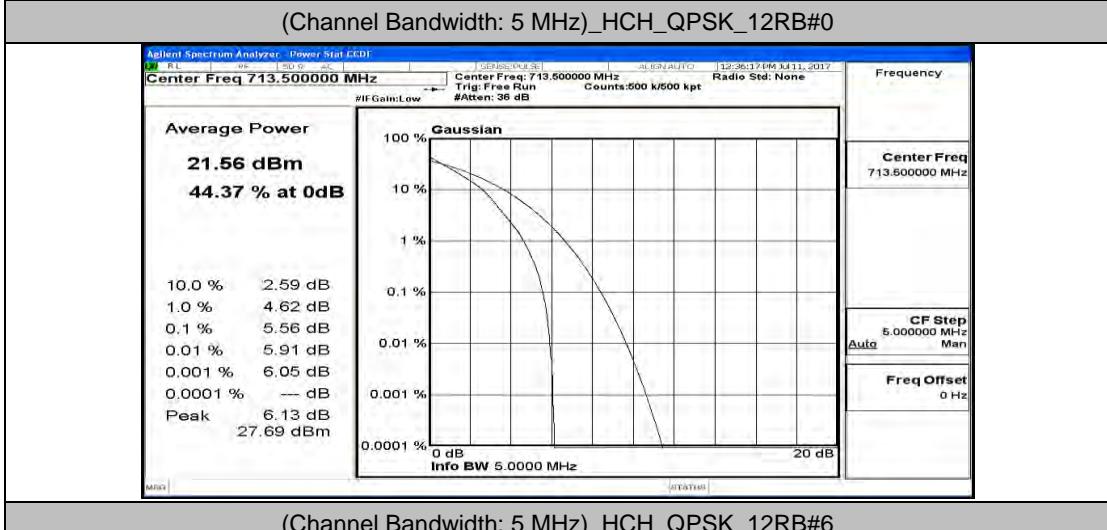
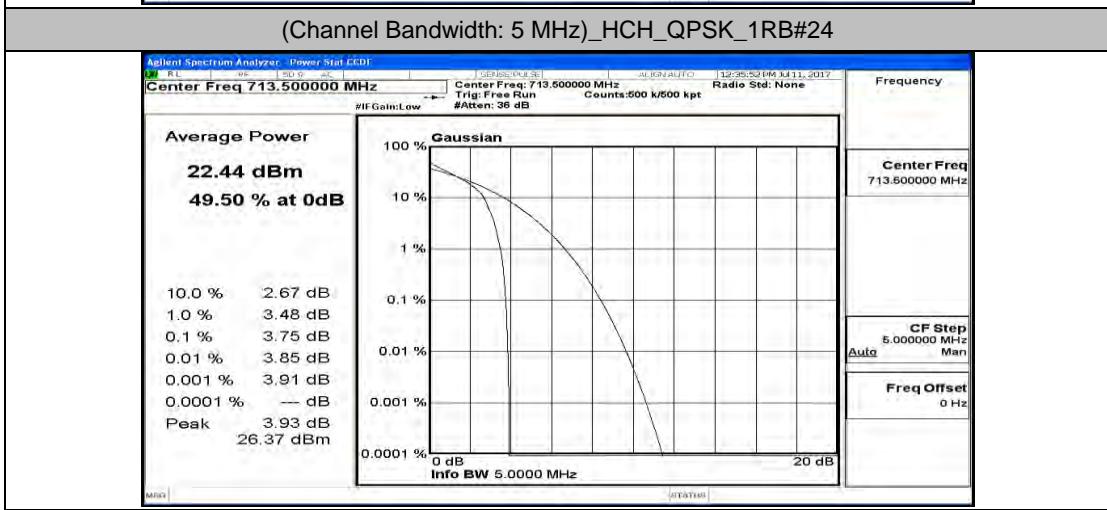
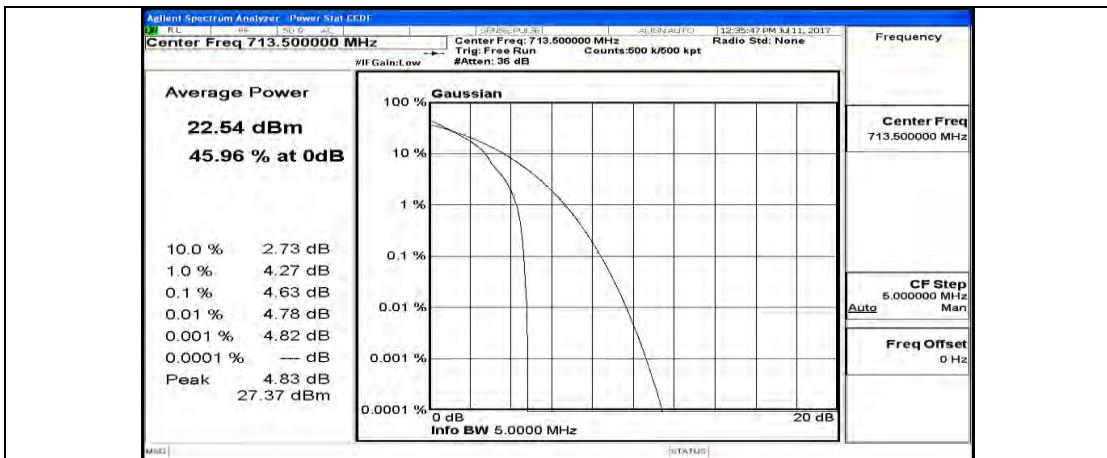


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

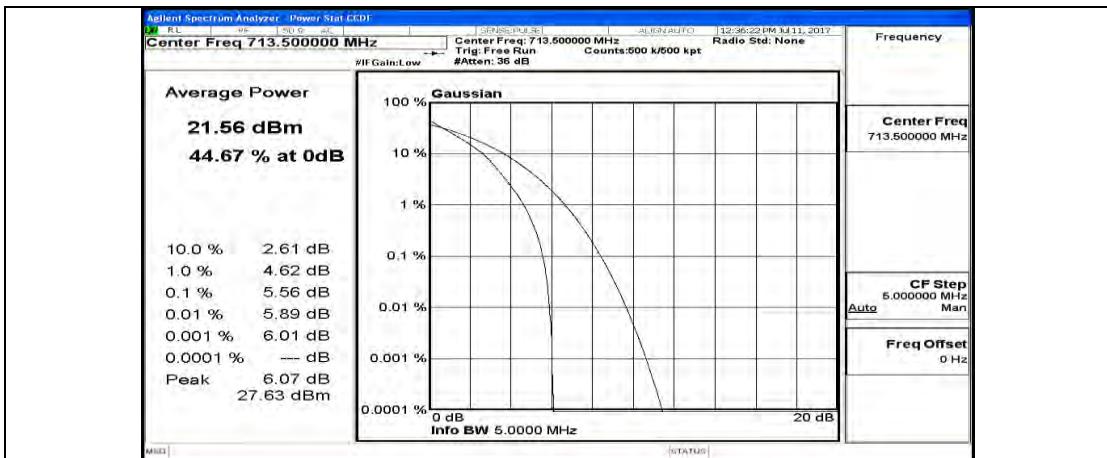


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

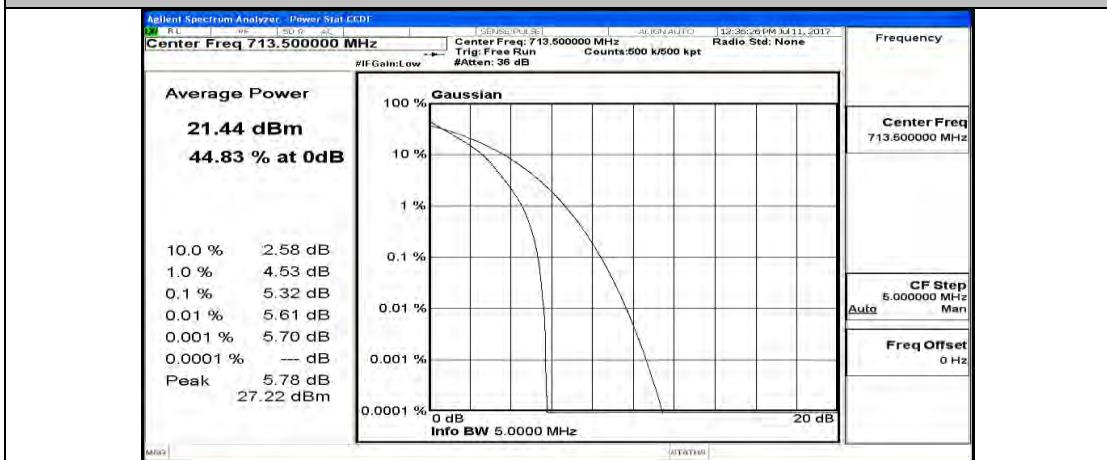




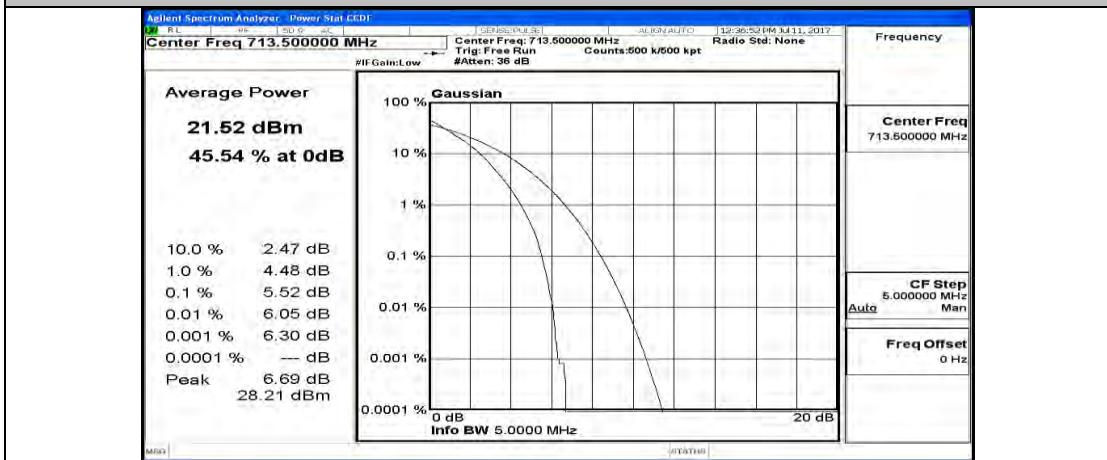
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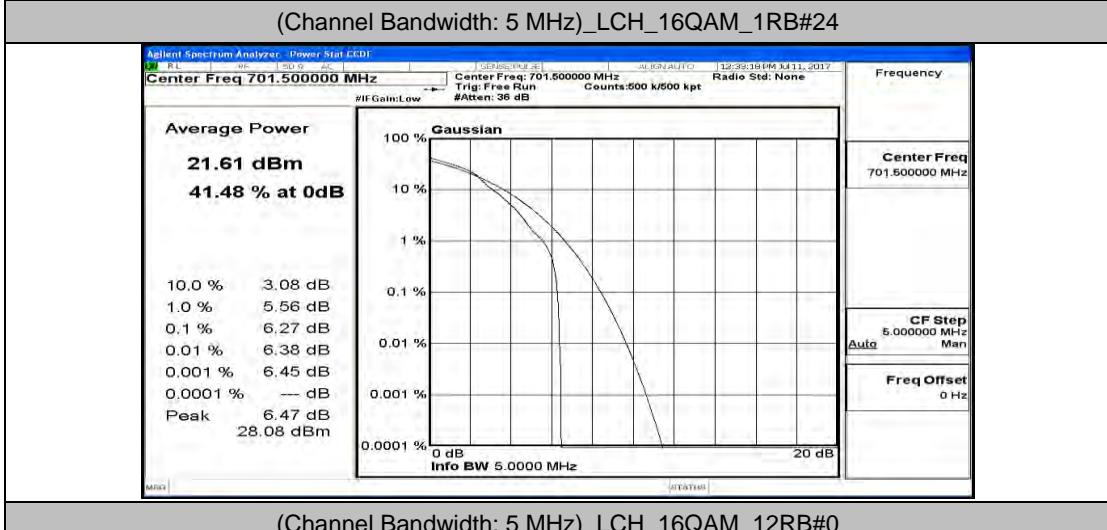
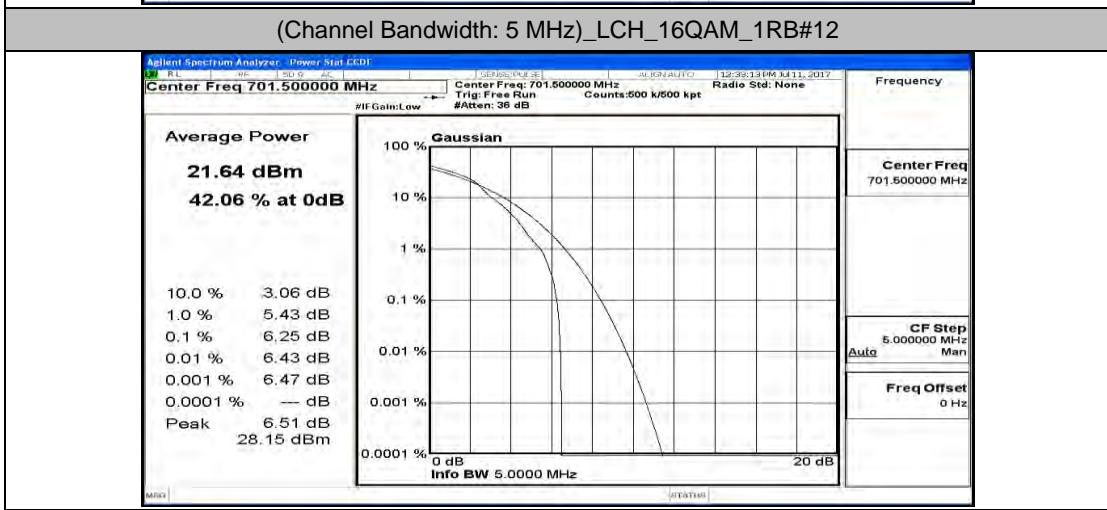
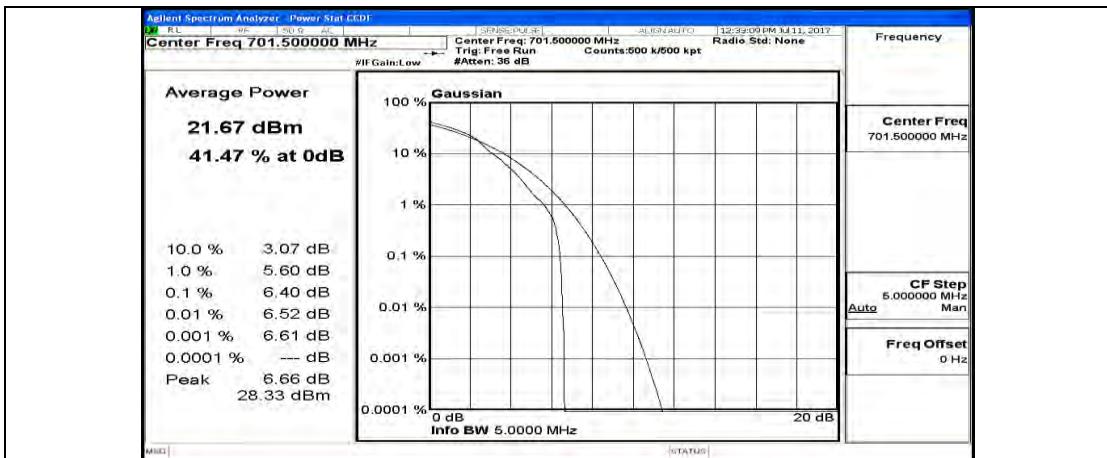
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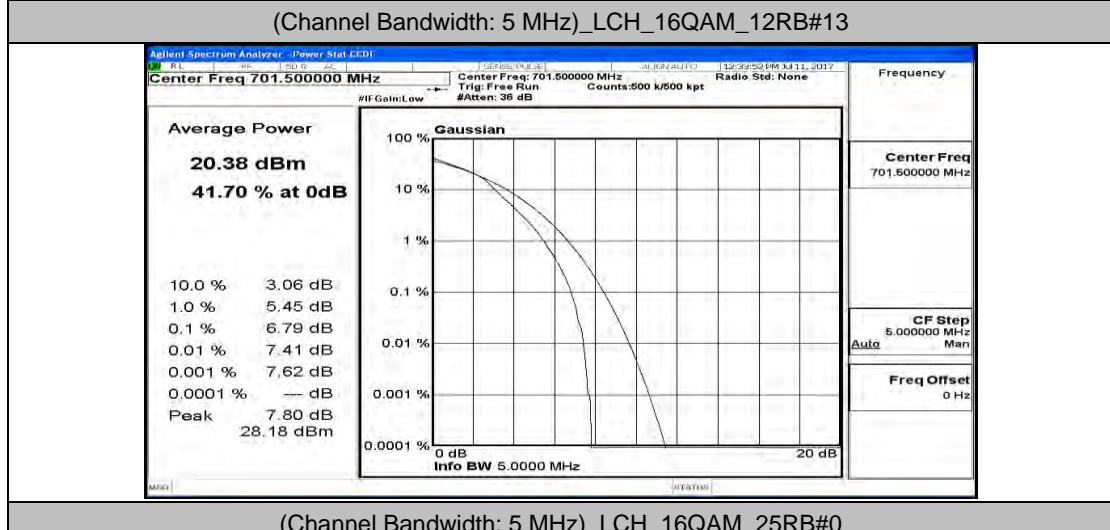
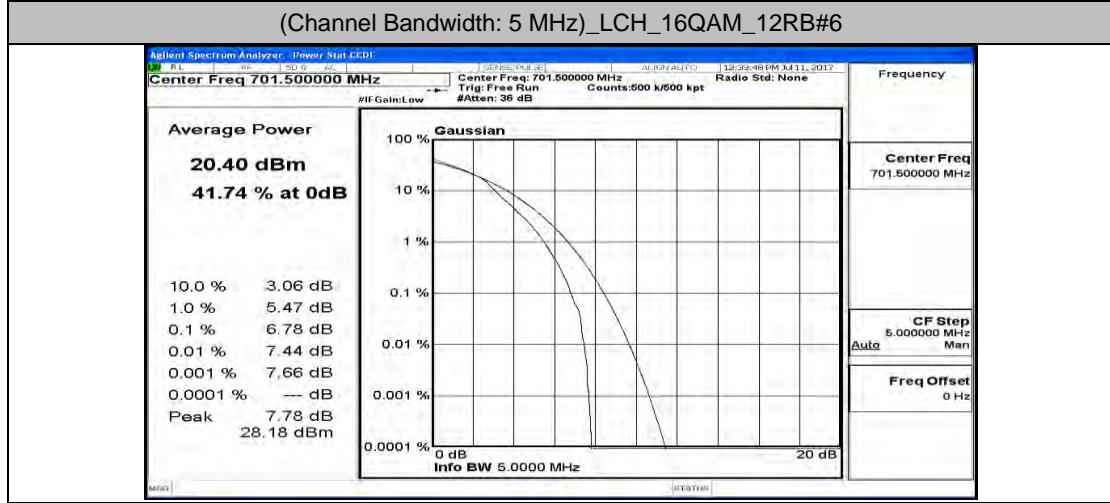
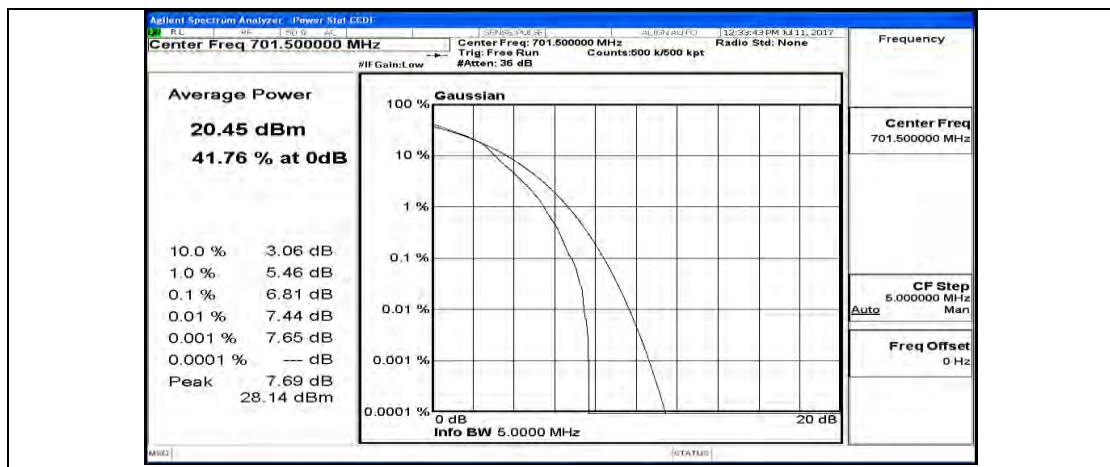


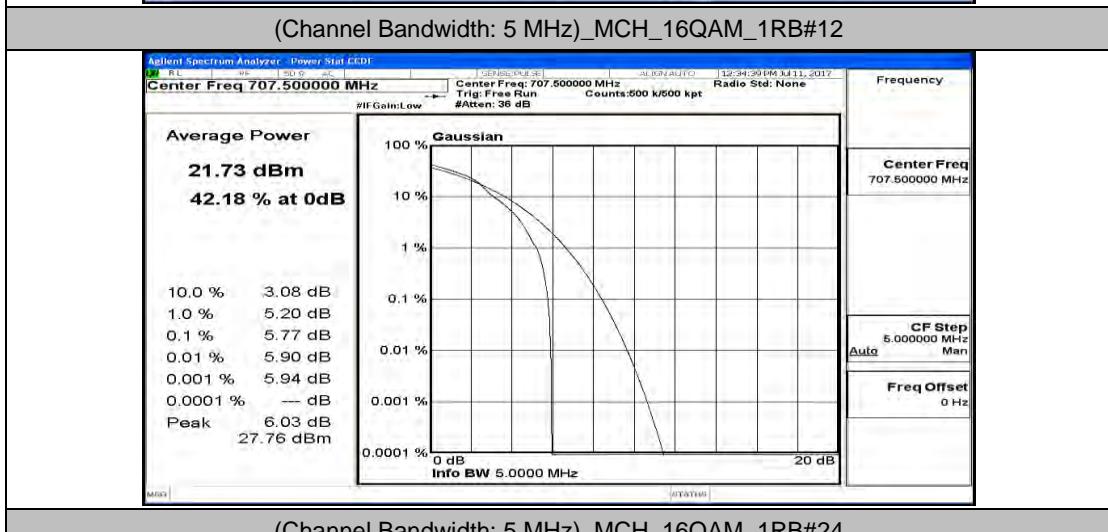
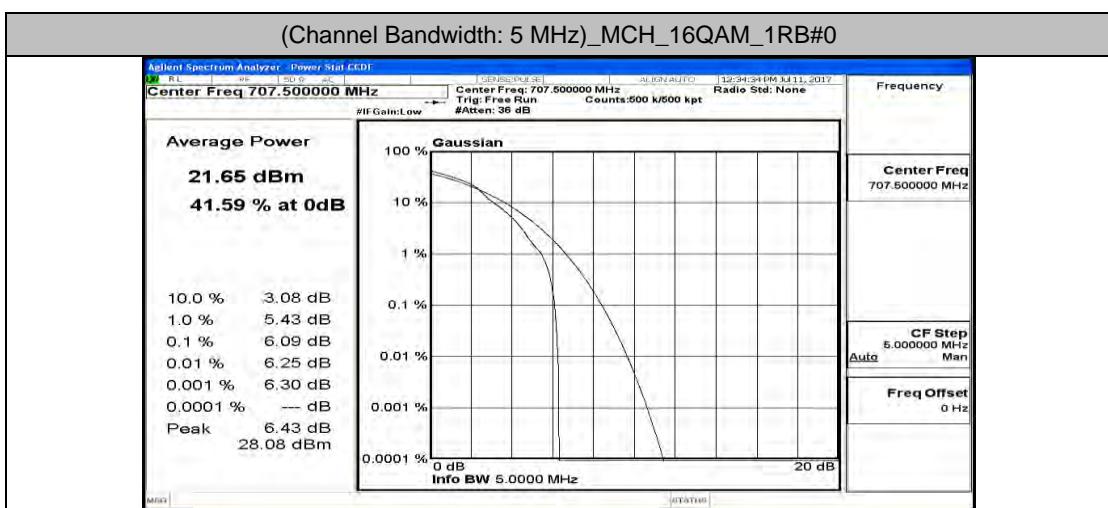
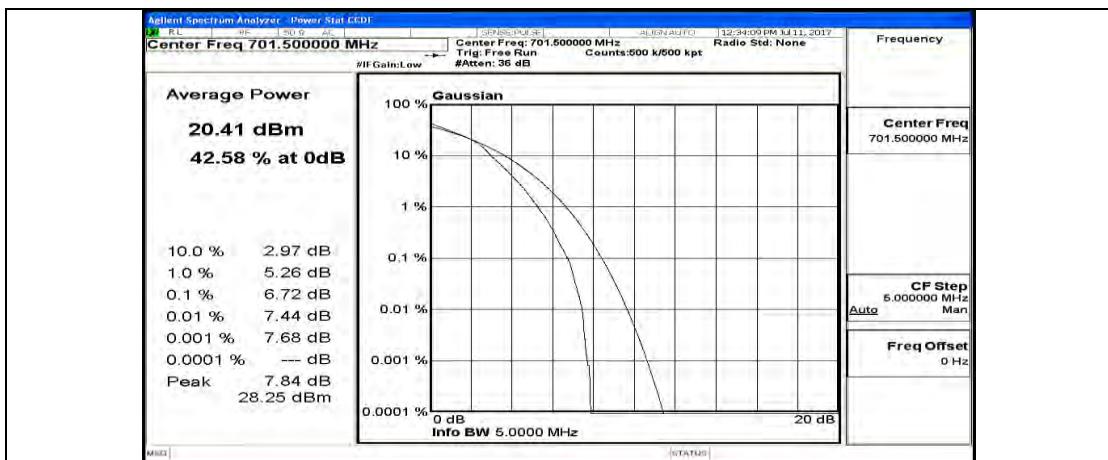
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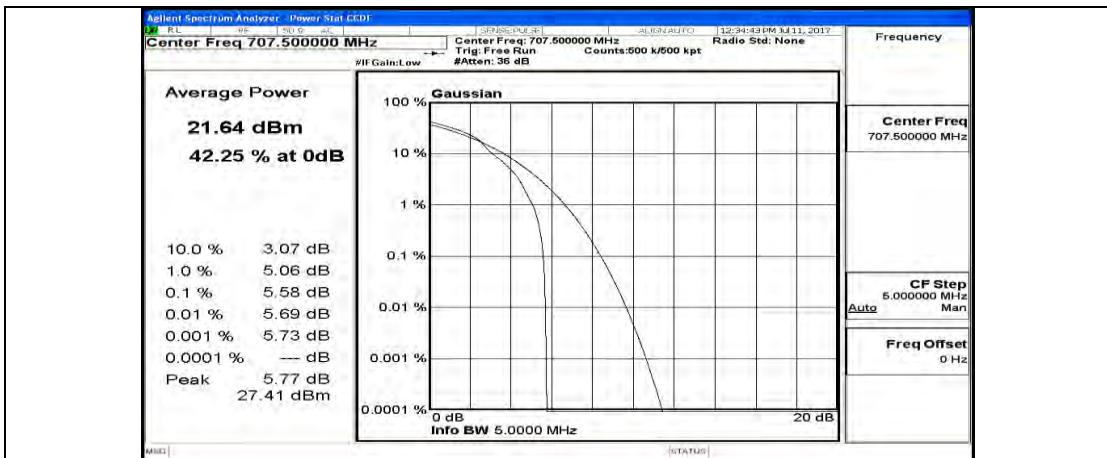
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



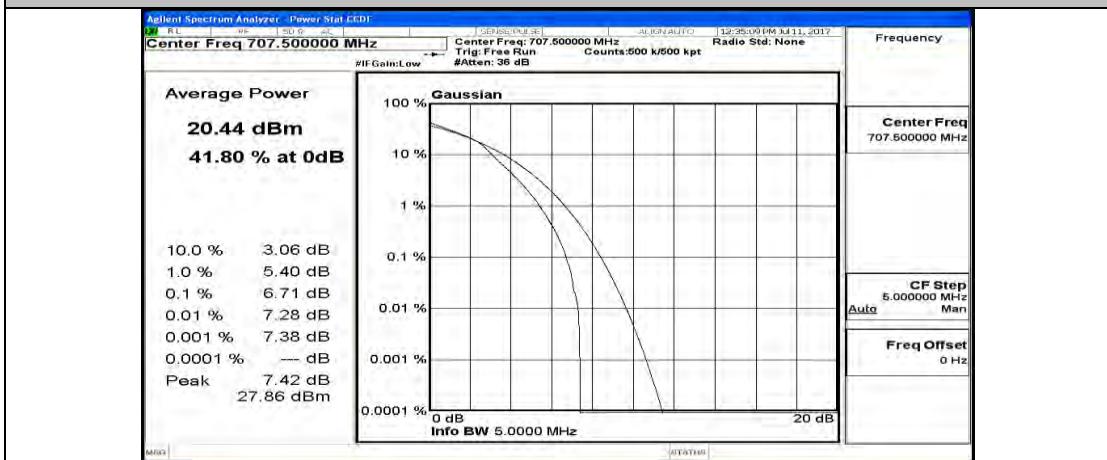




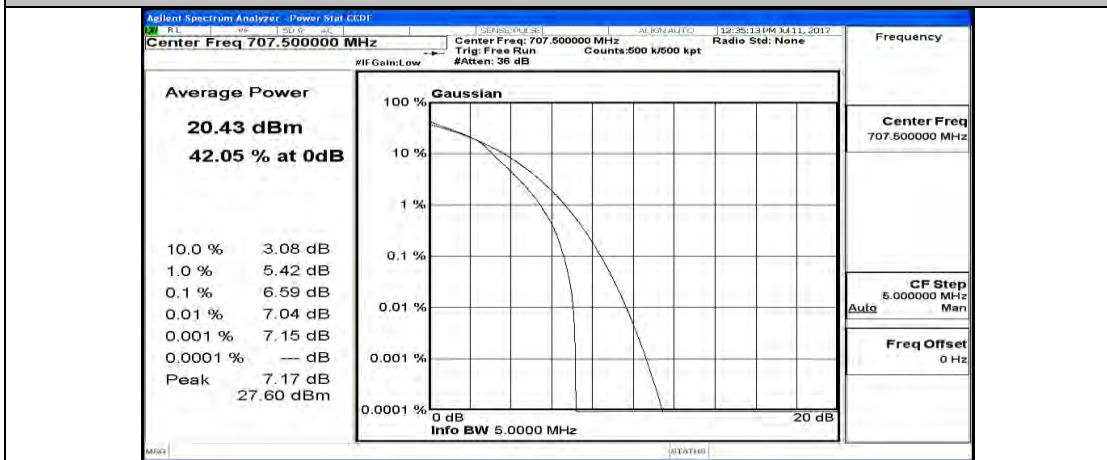
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



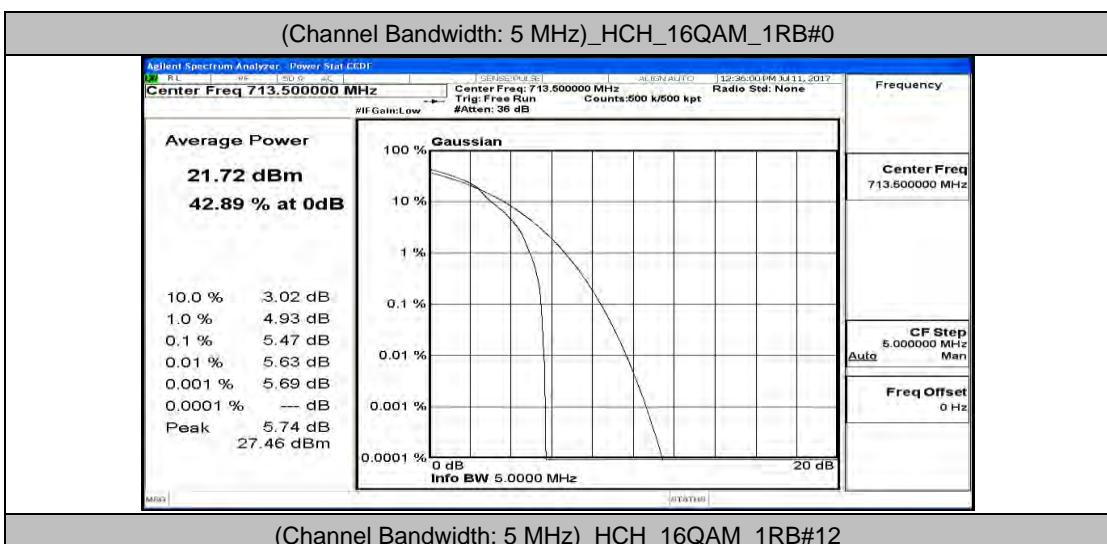
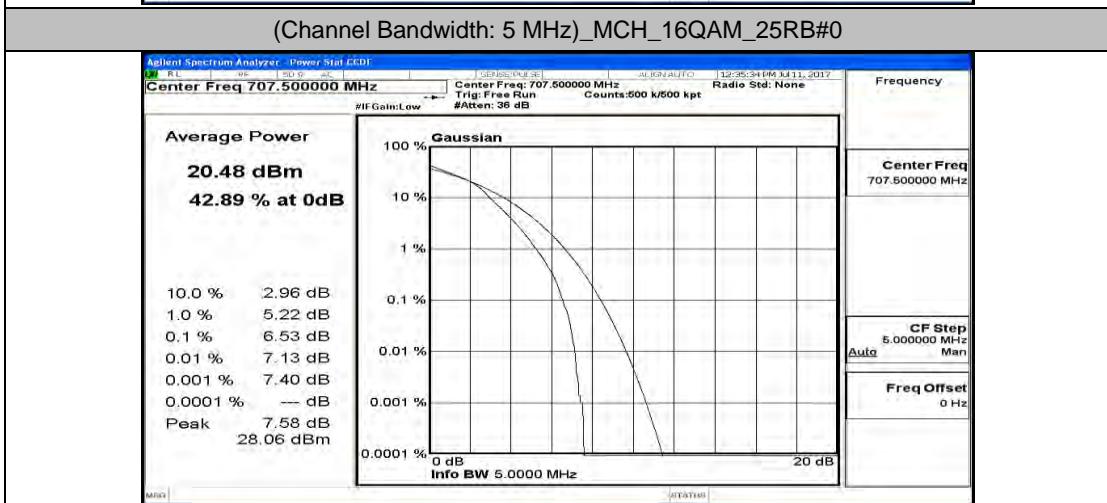
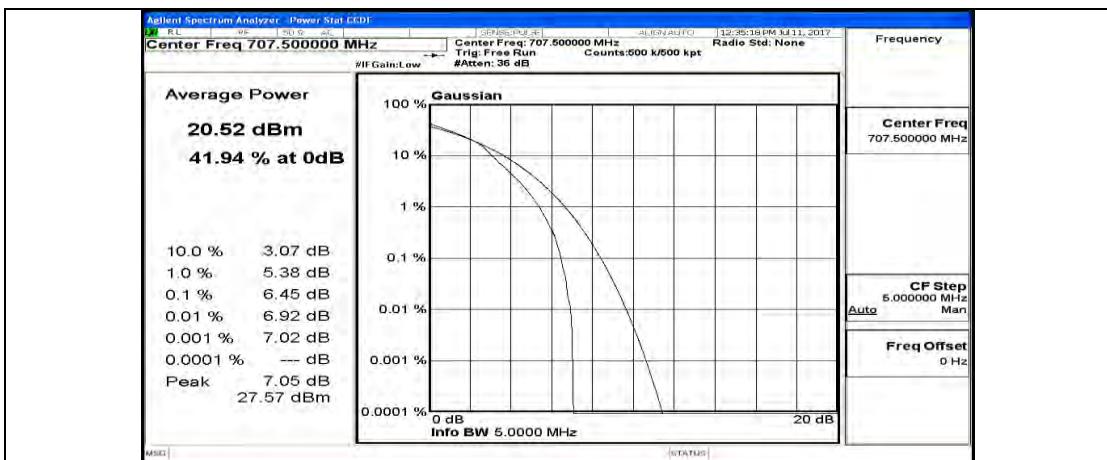
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



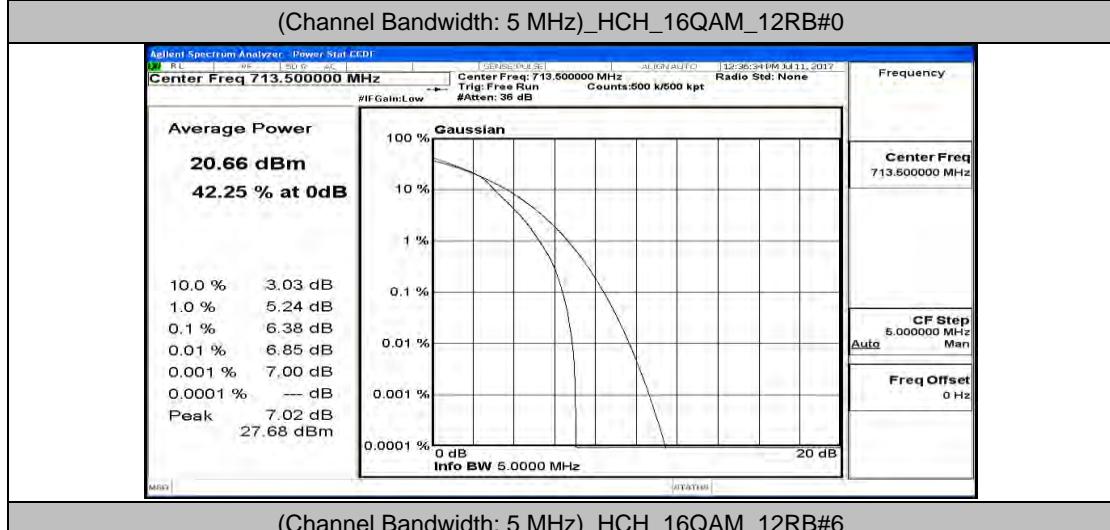
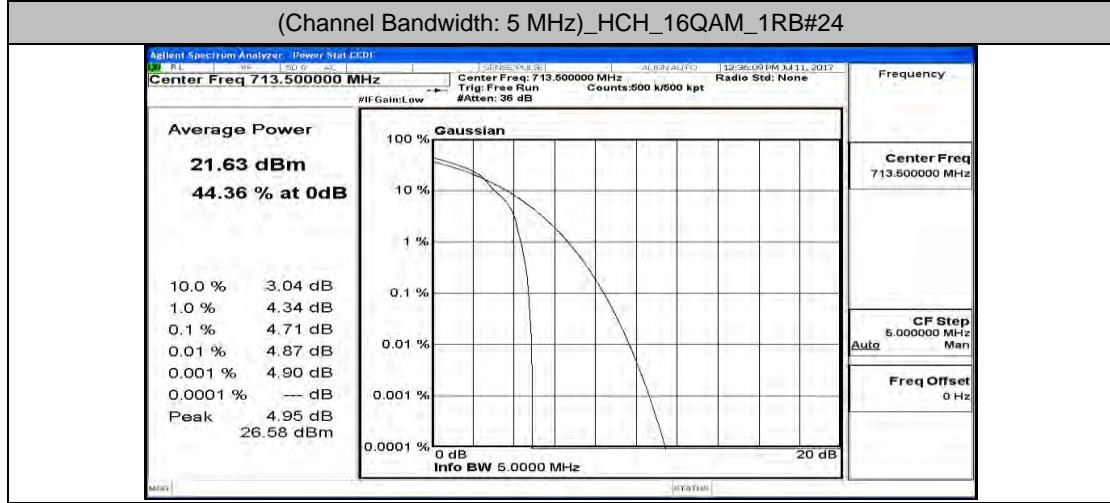
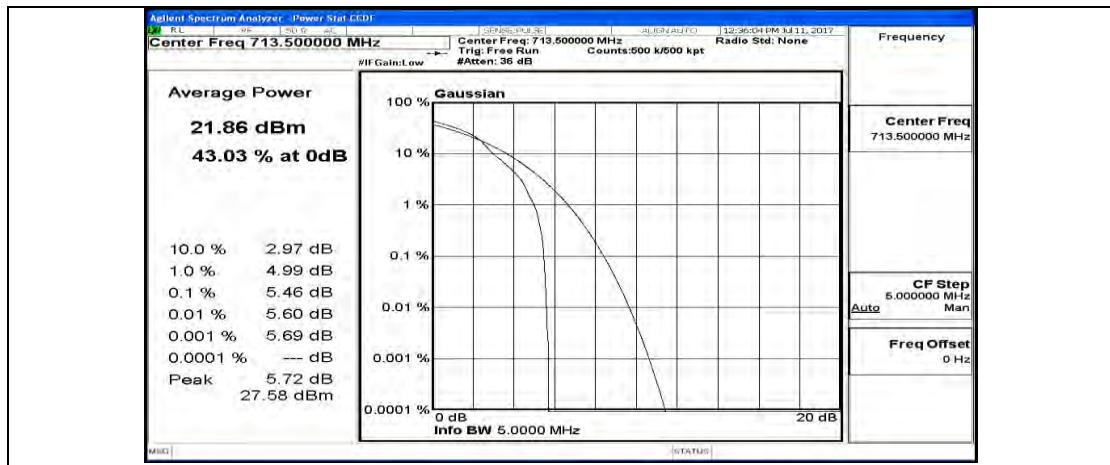
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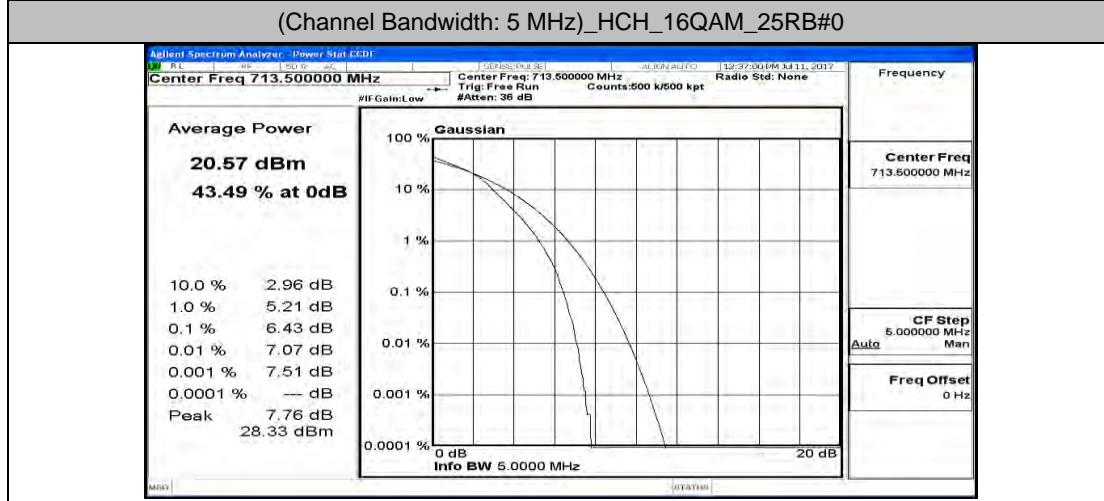
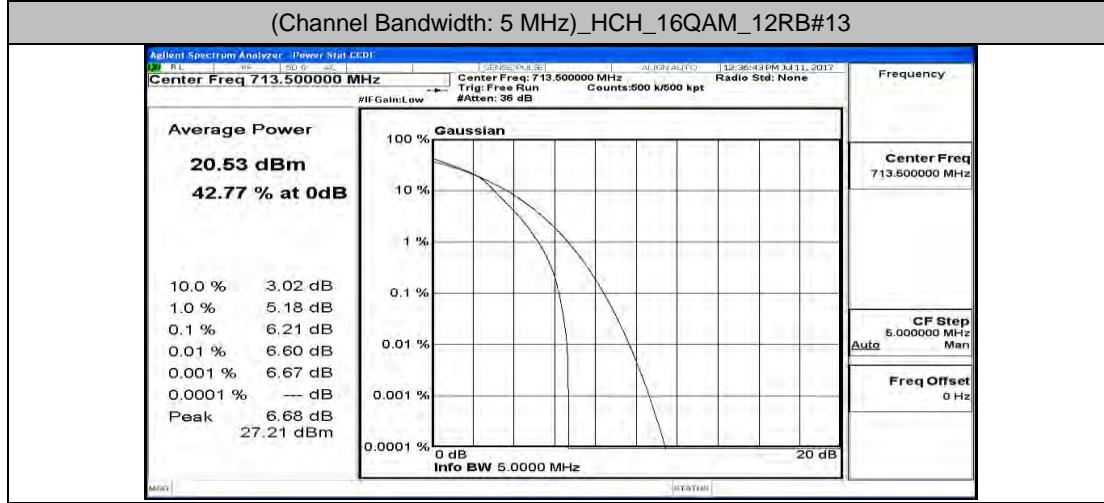
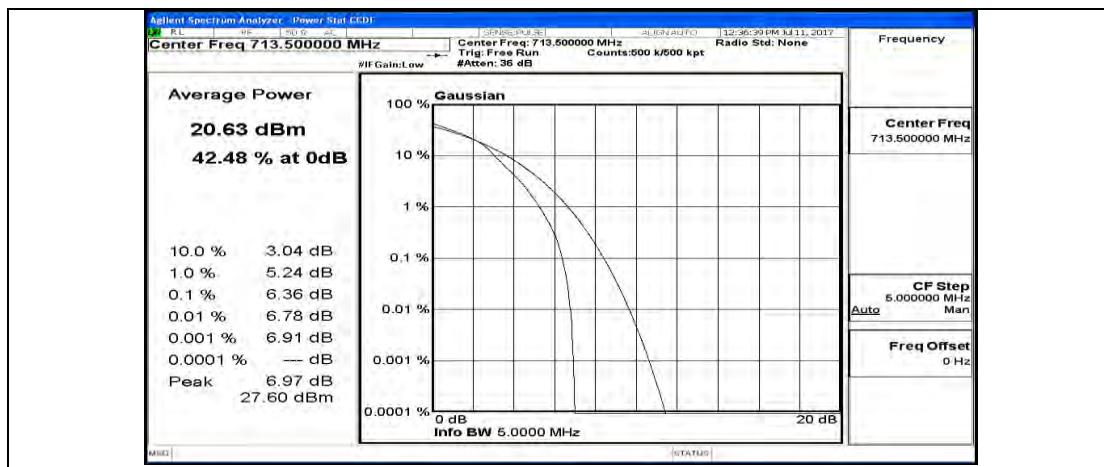
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

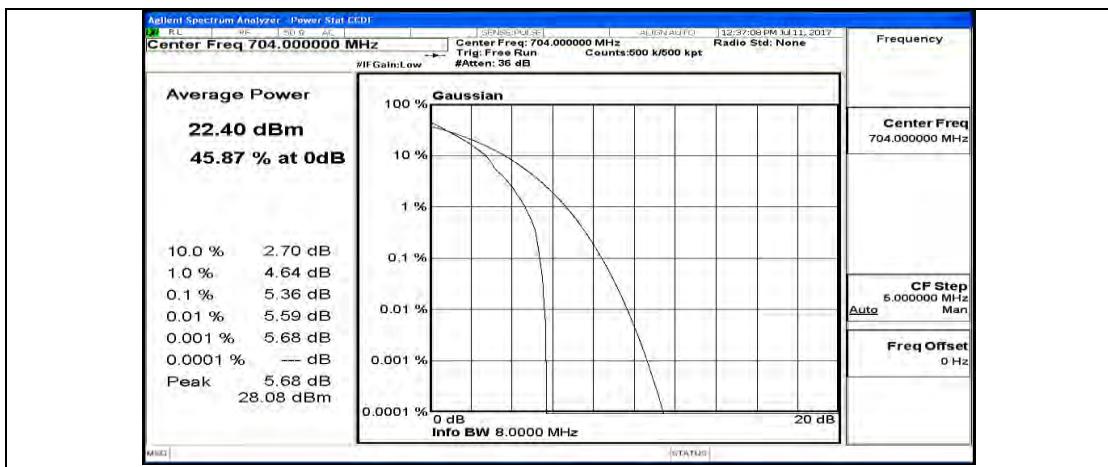


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

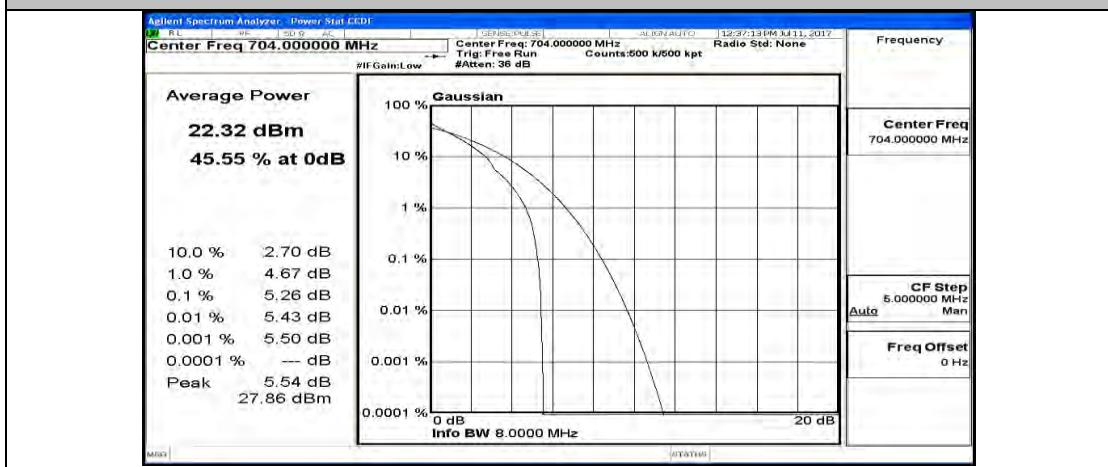


Channel Bandwidth: 10 MHz

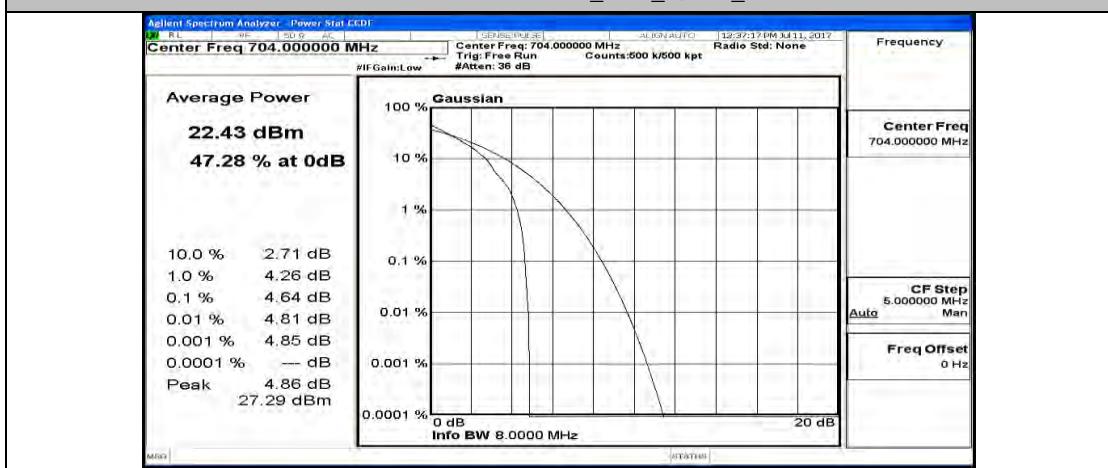
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



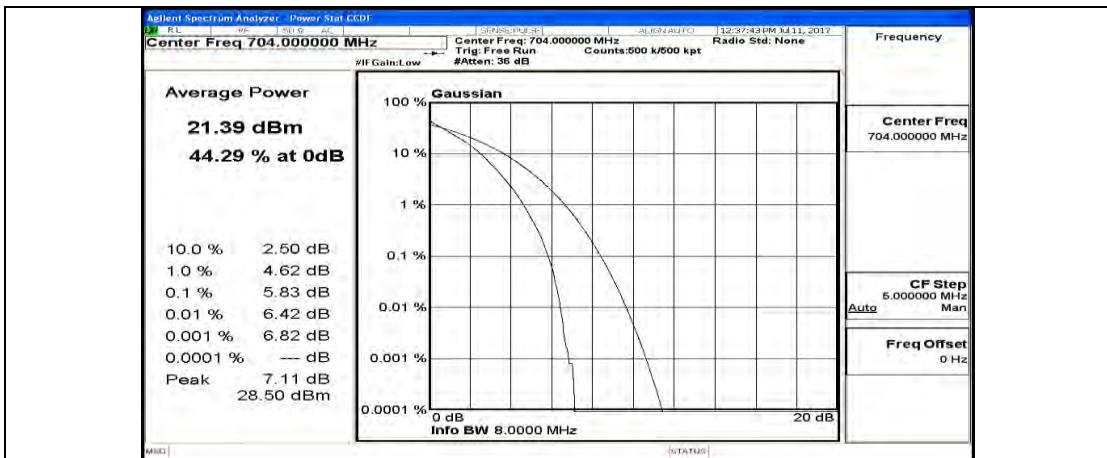
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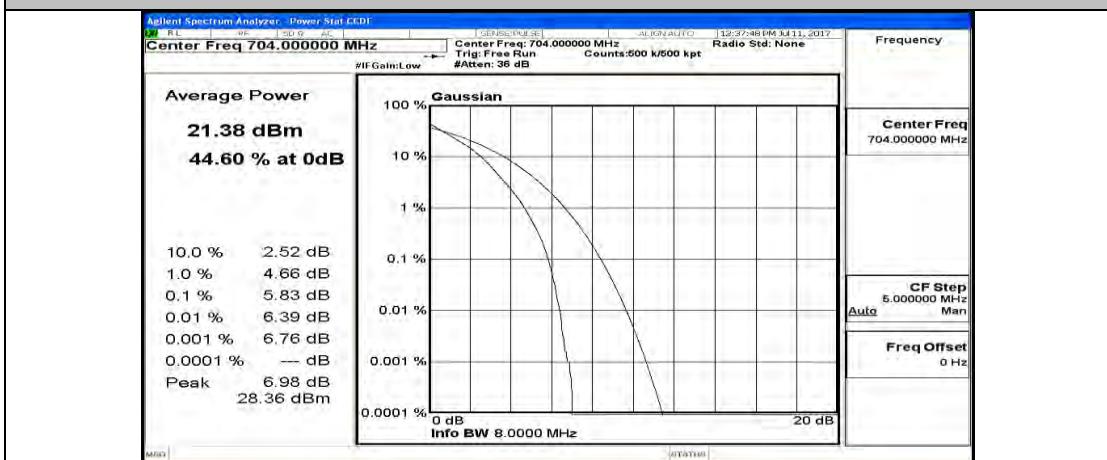
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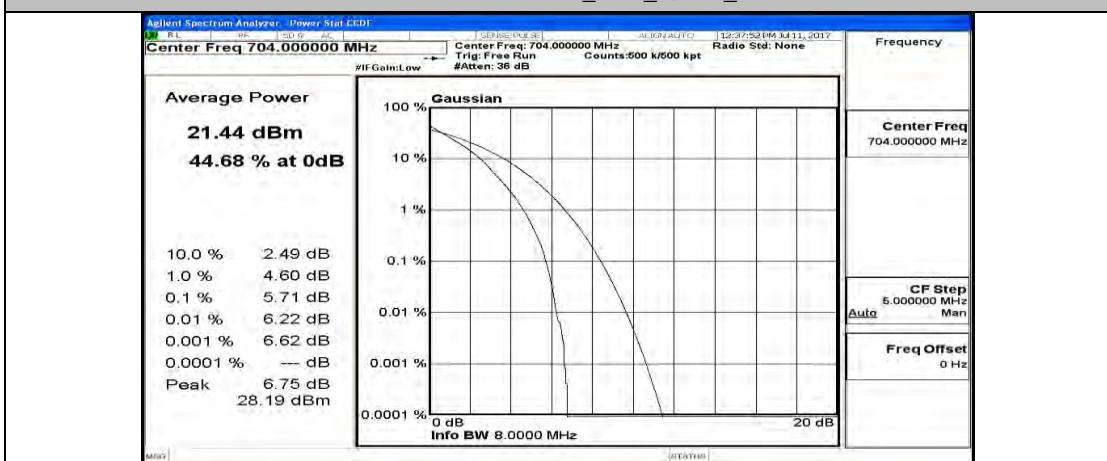
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



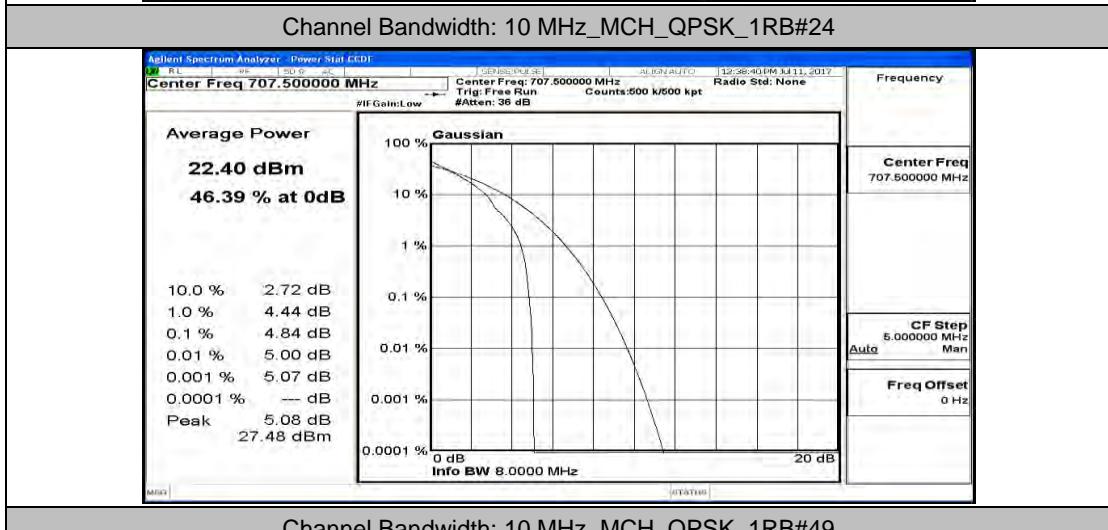
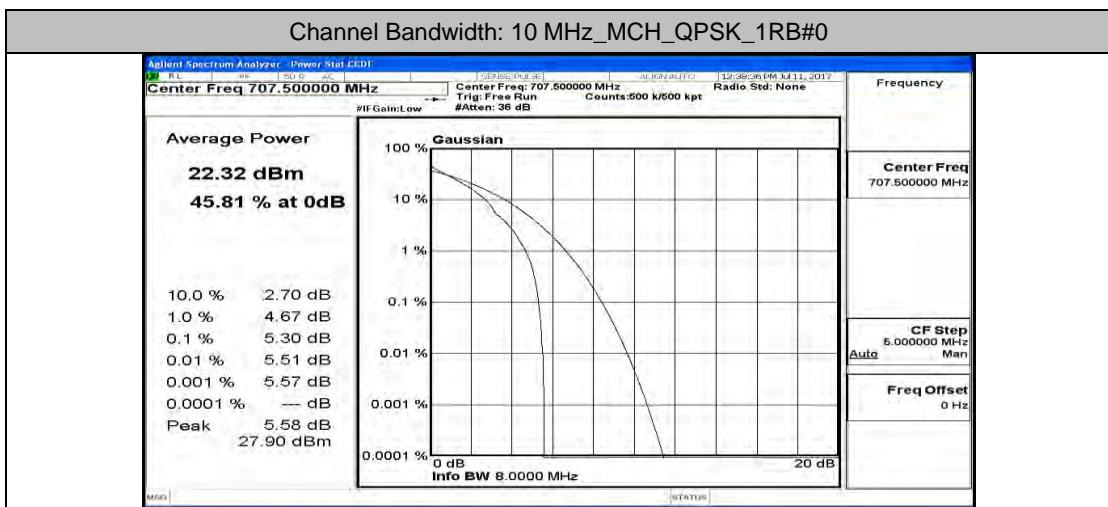
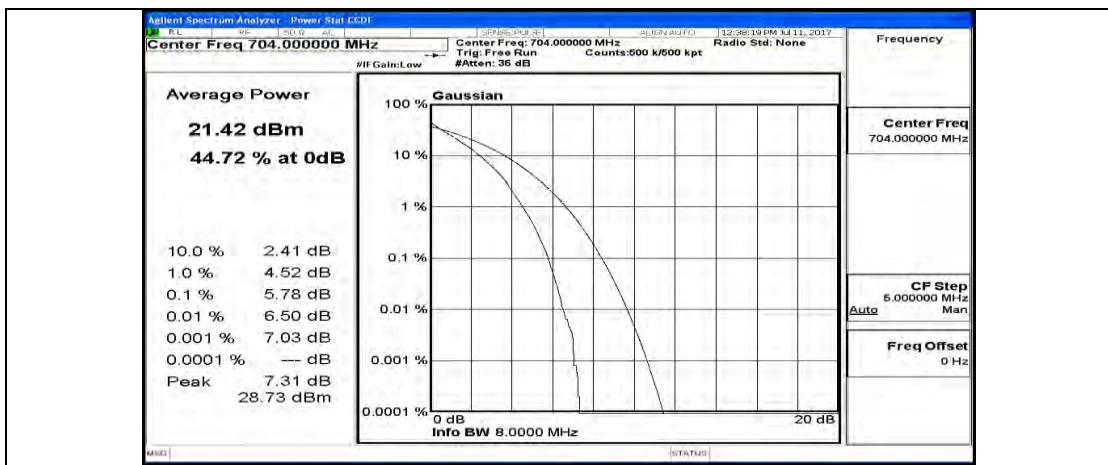
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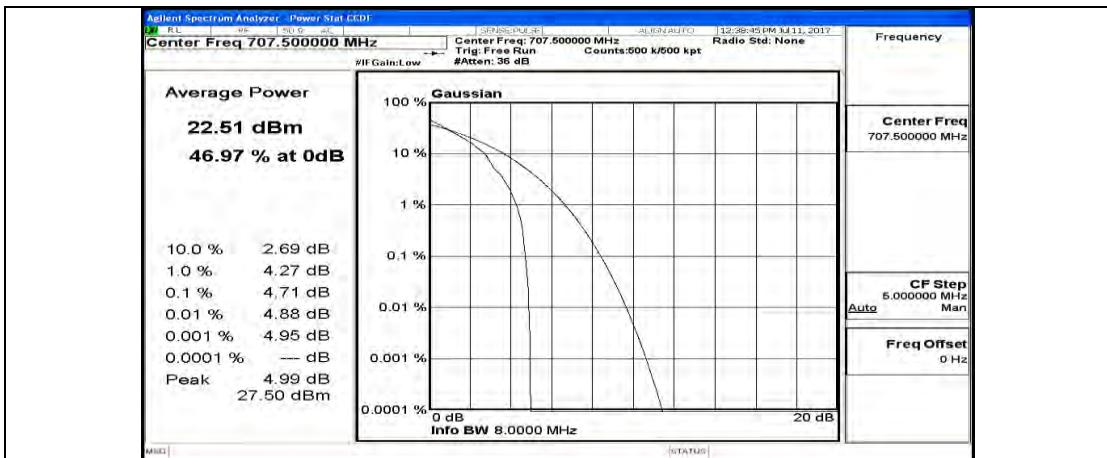
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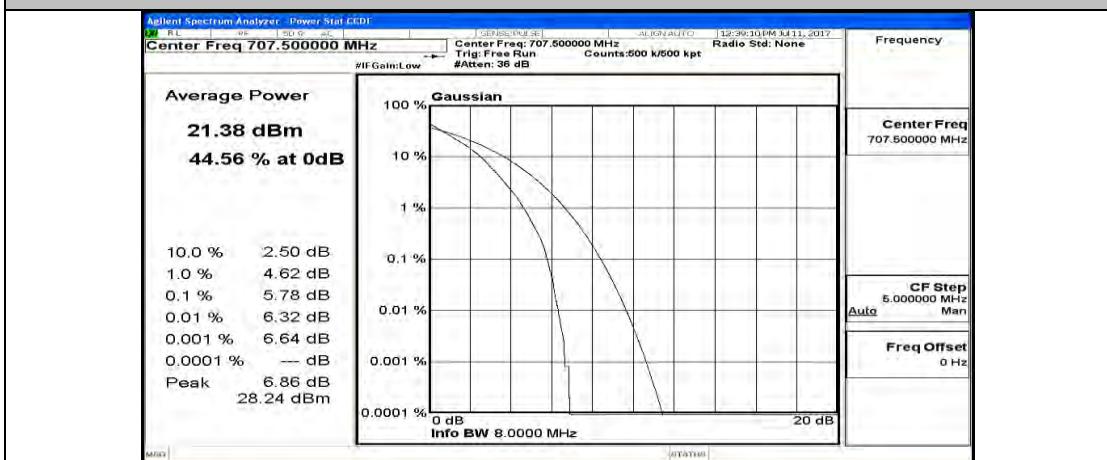
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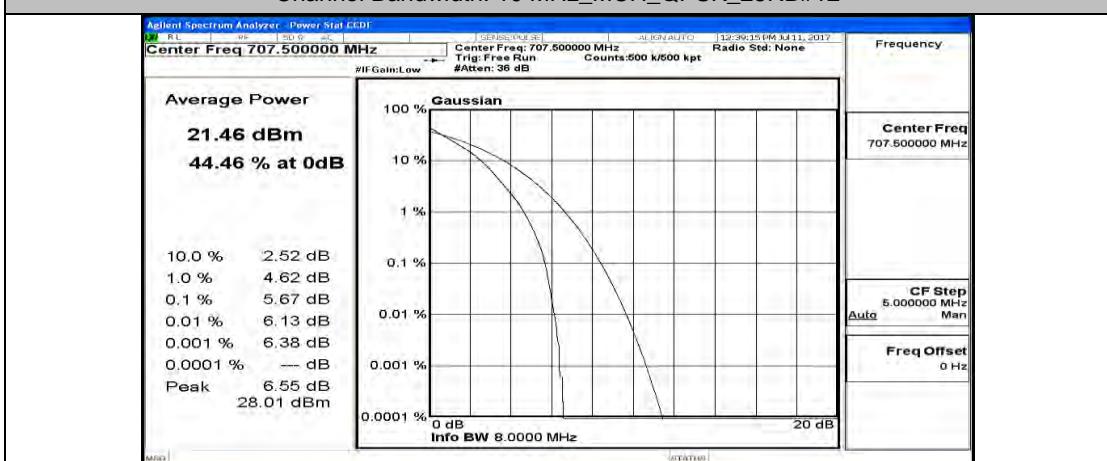
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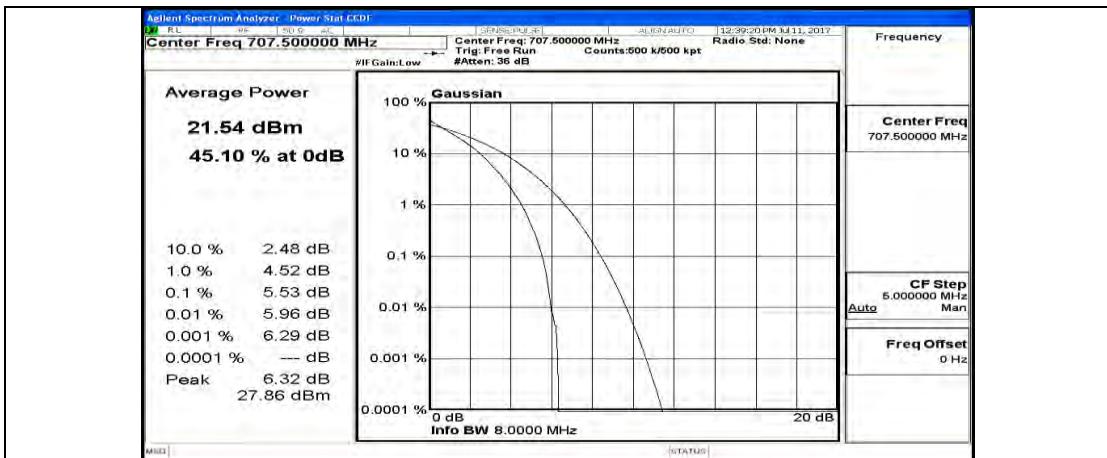
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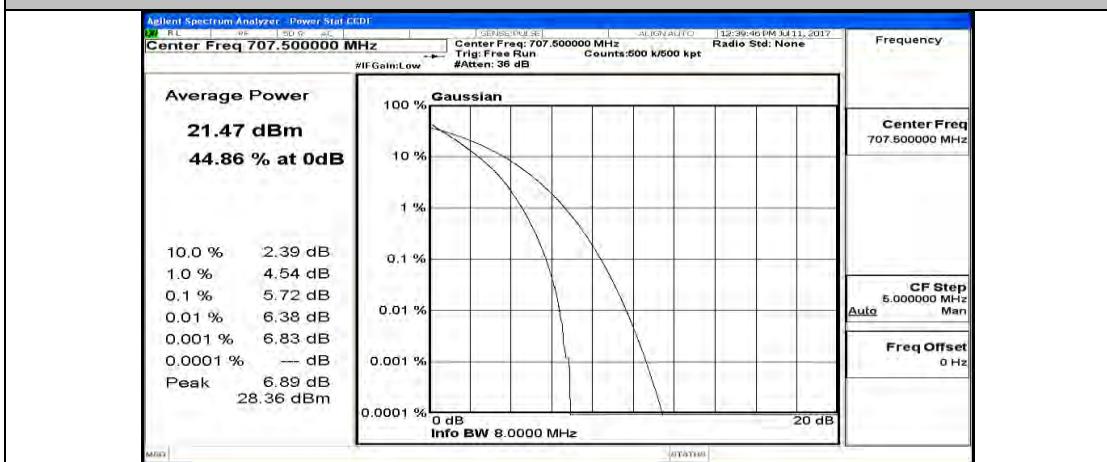
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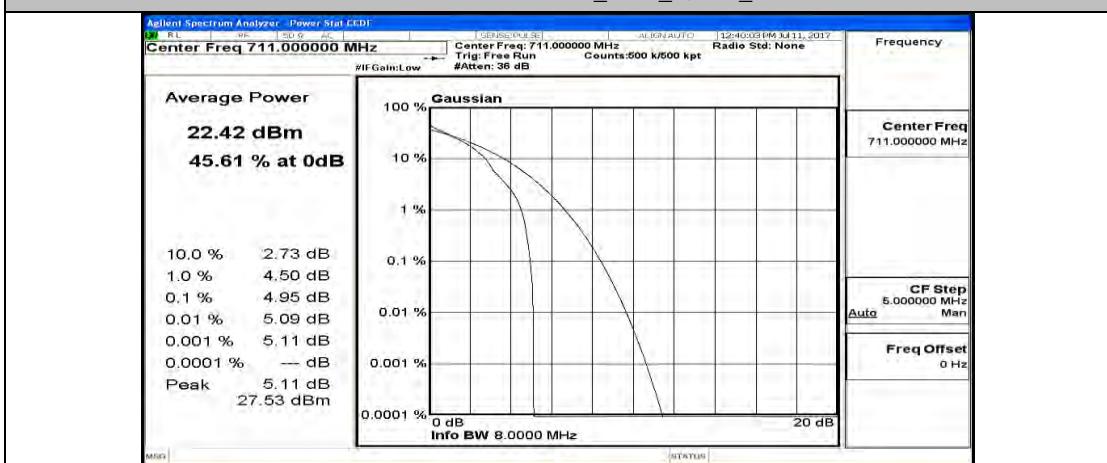
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



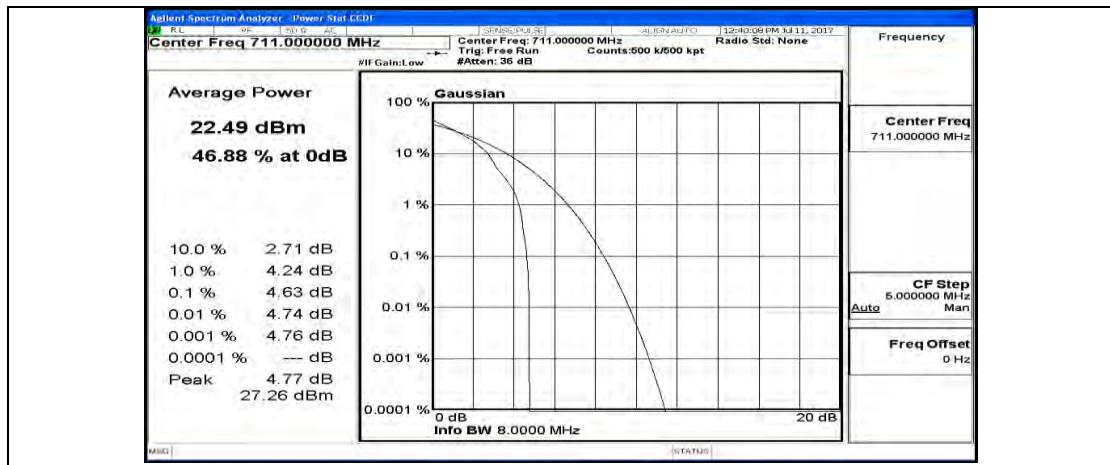
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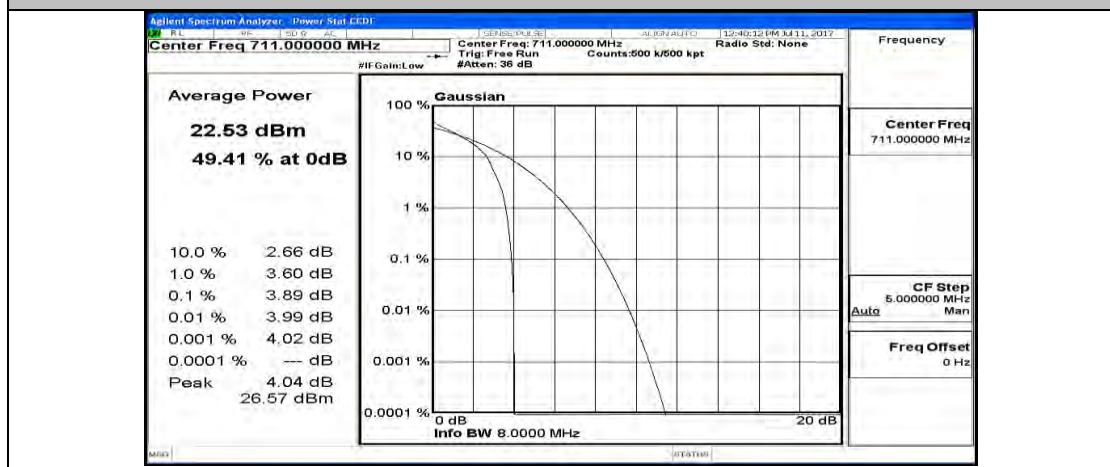
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



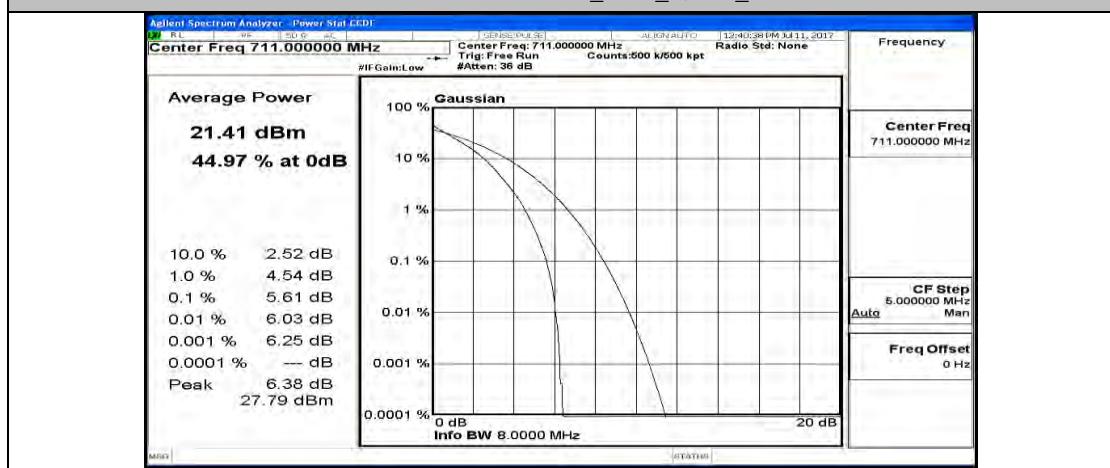
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



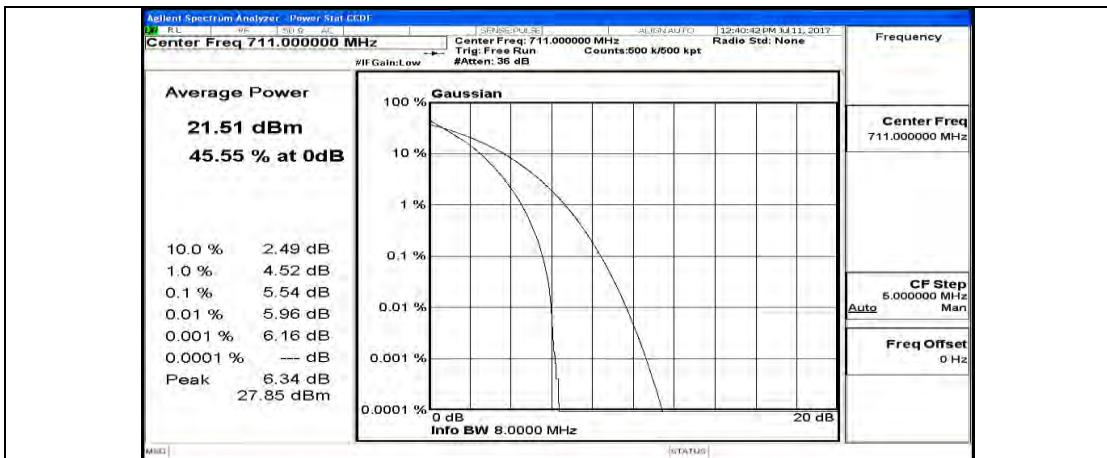
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



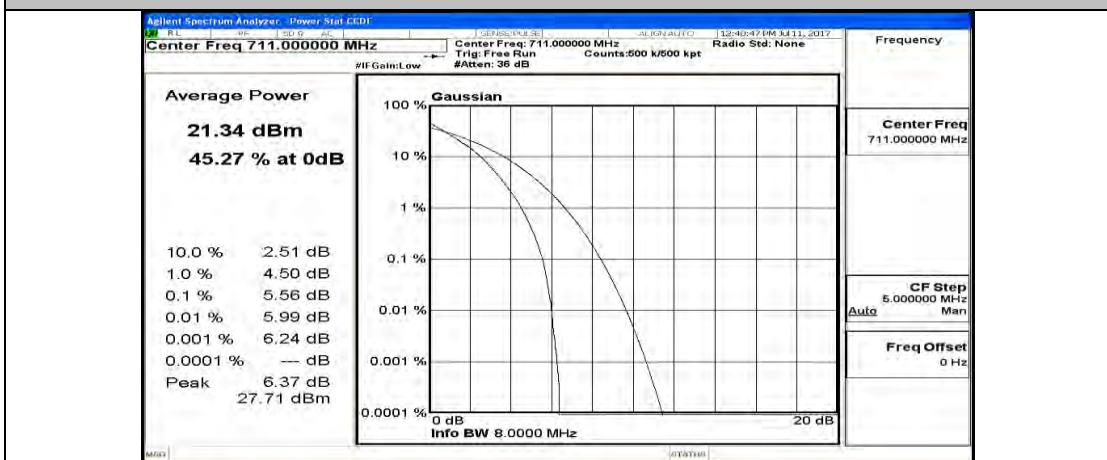
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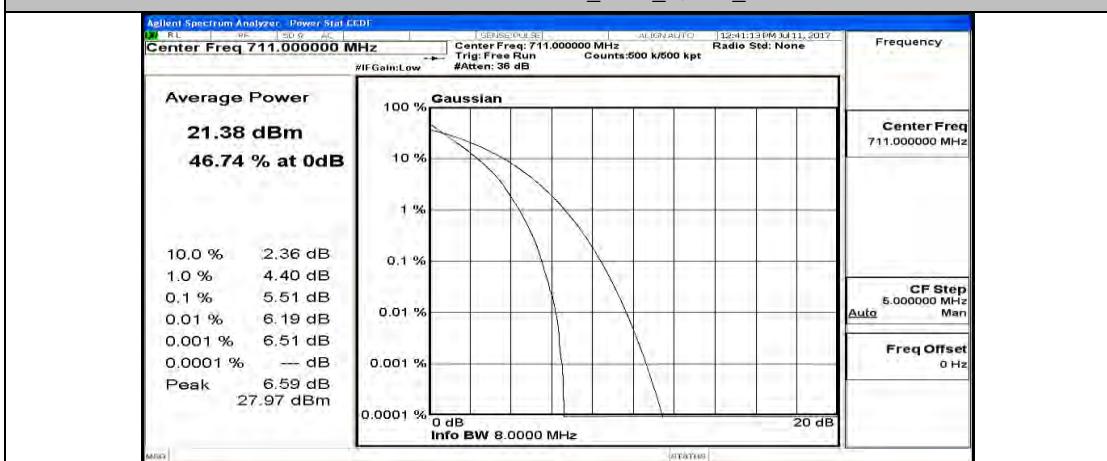
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



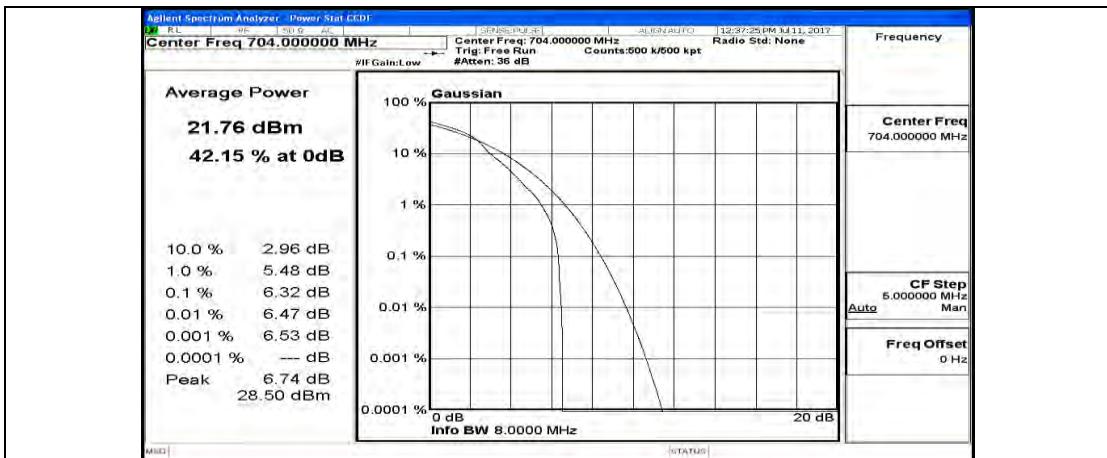
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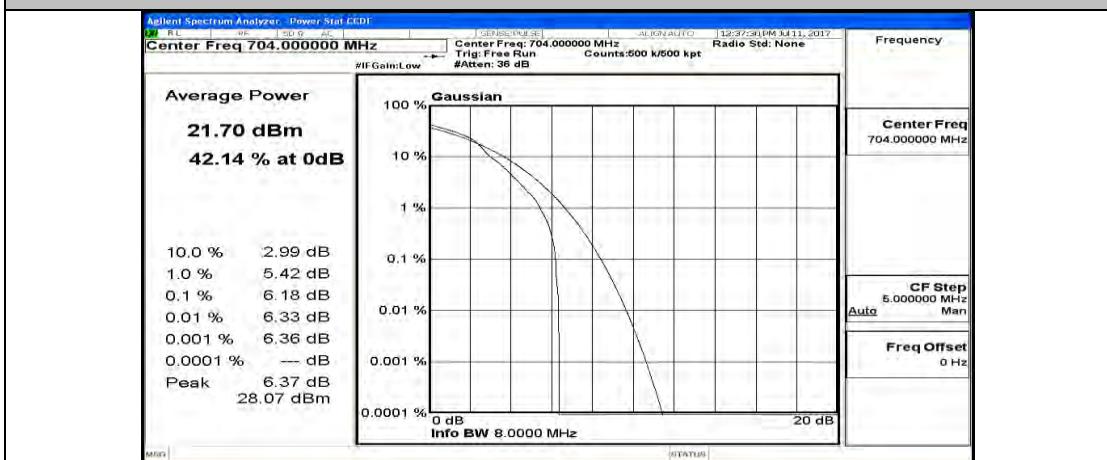
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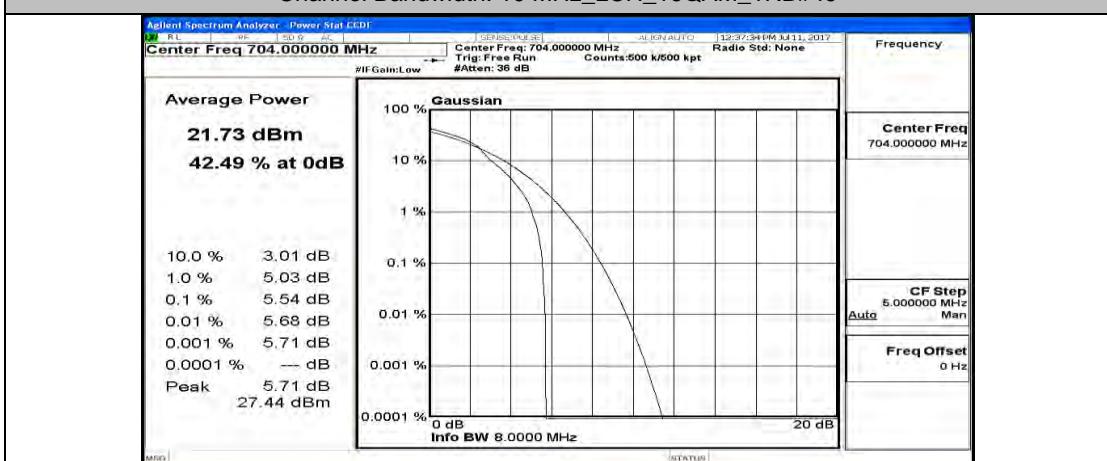
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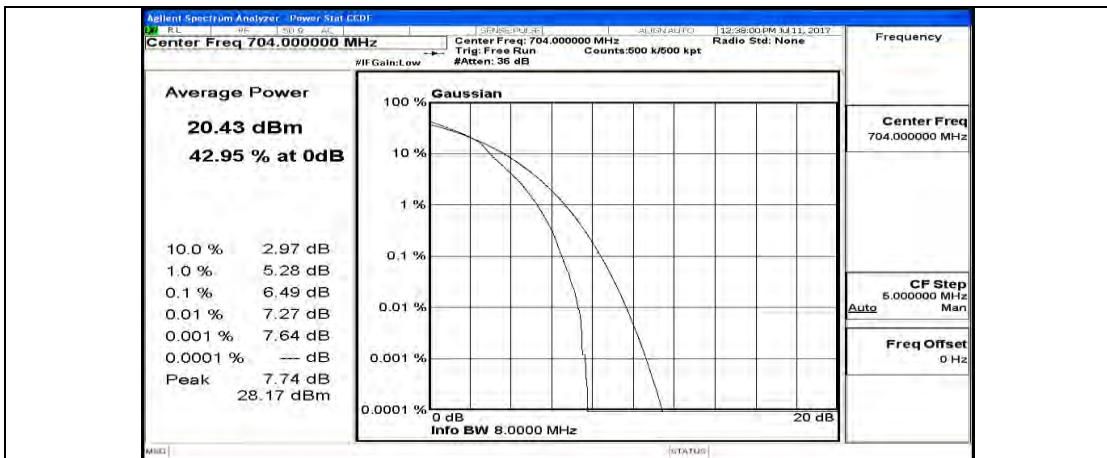
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



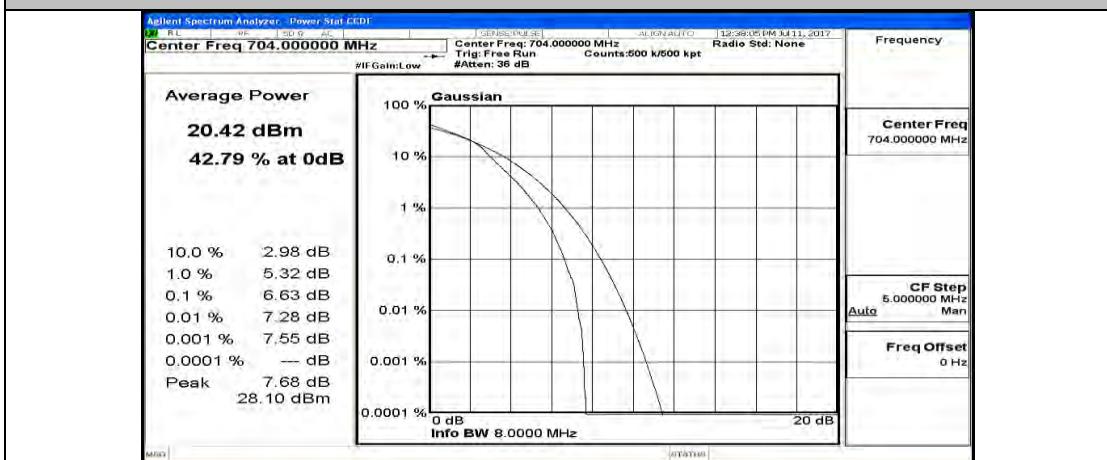
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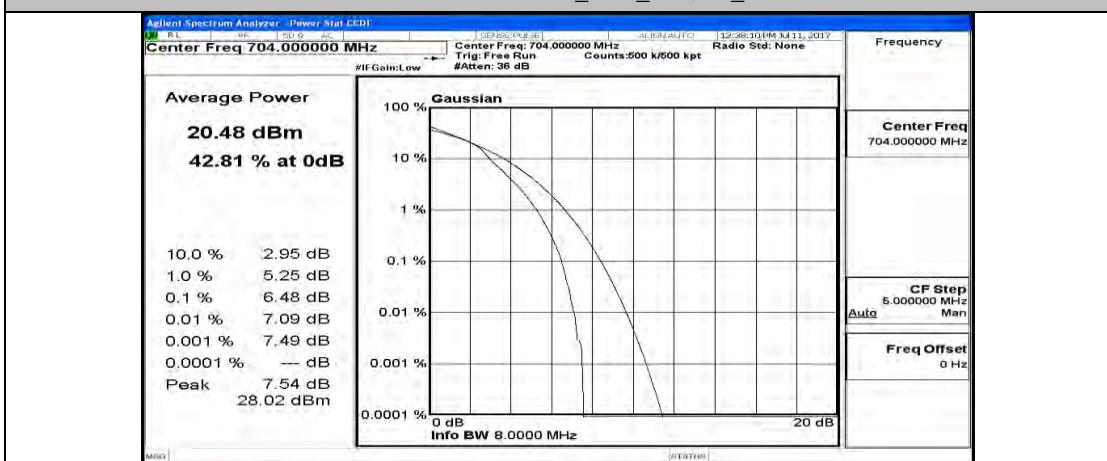
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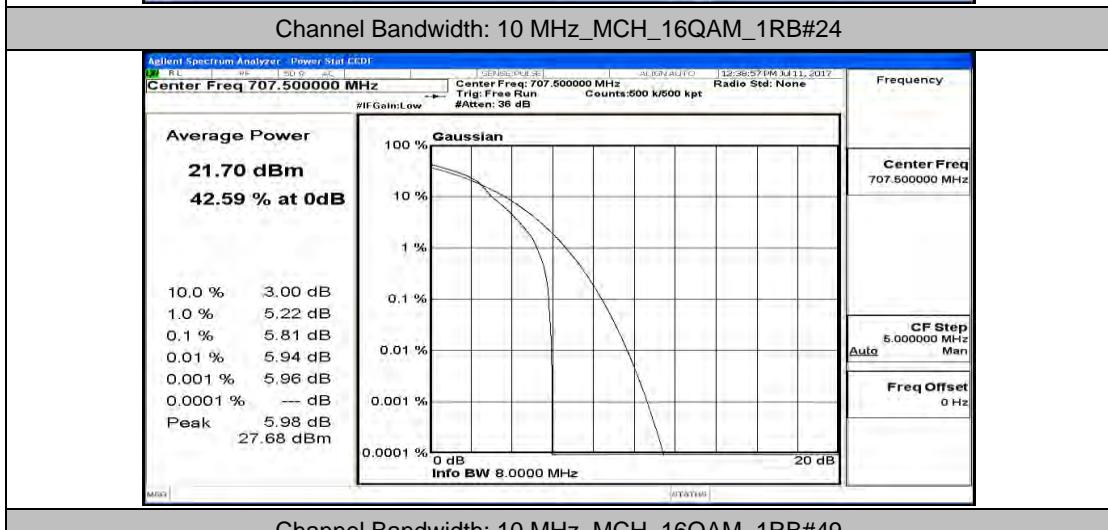
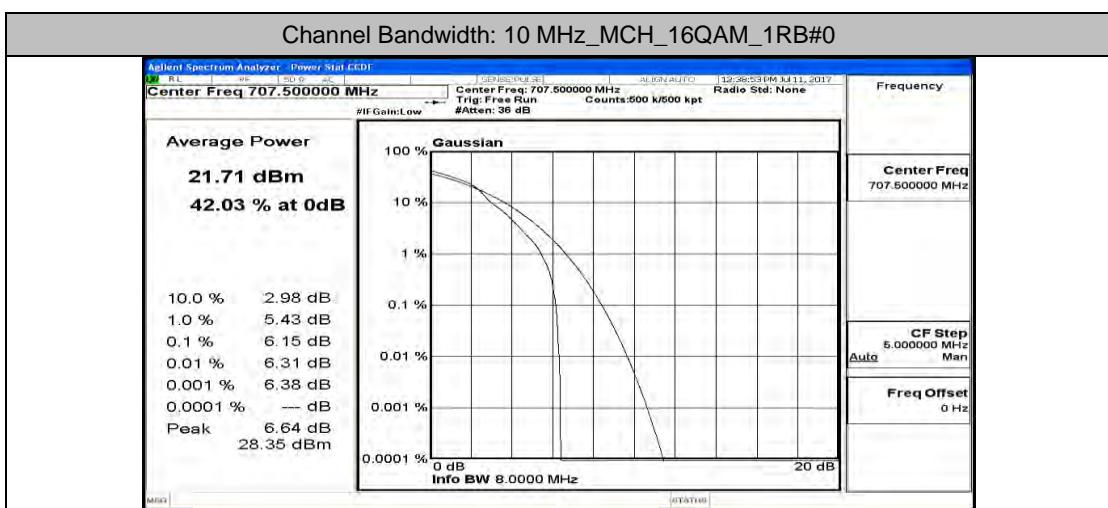
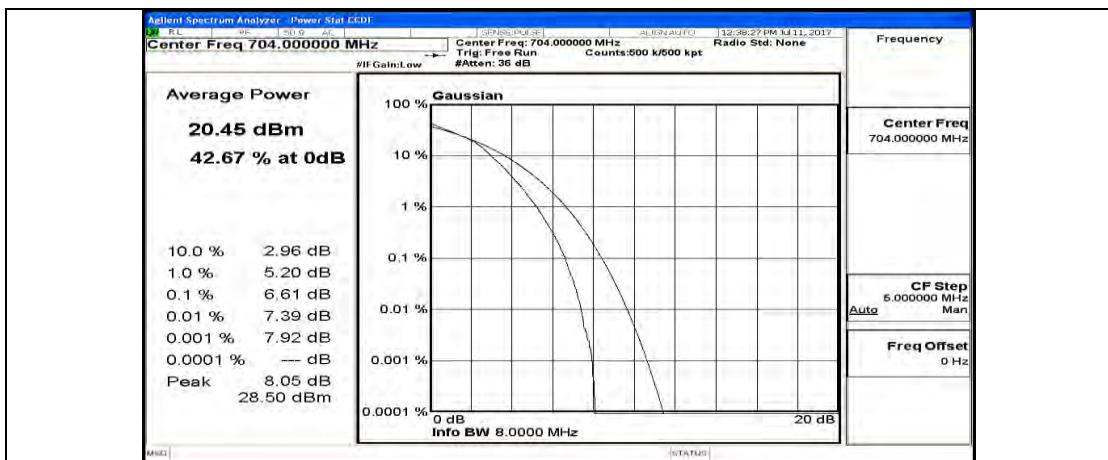
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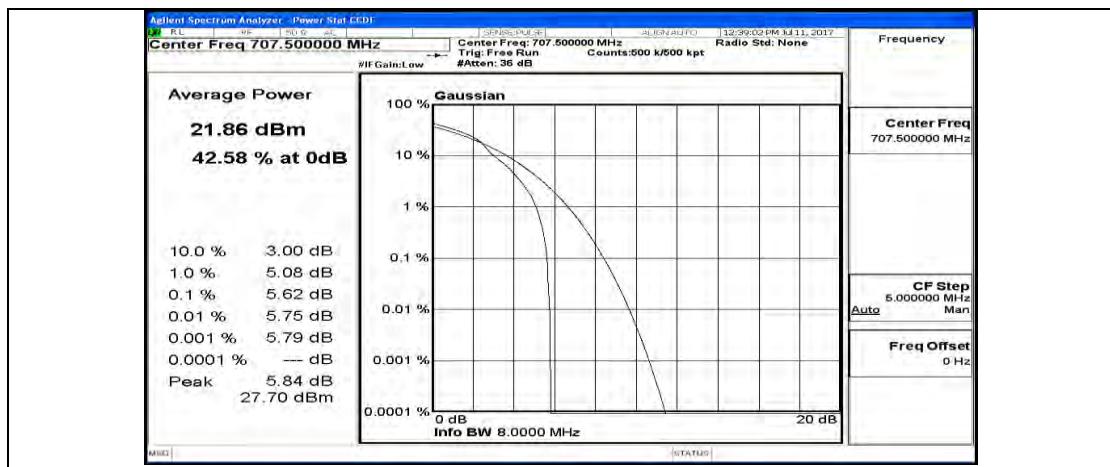
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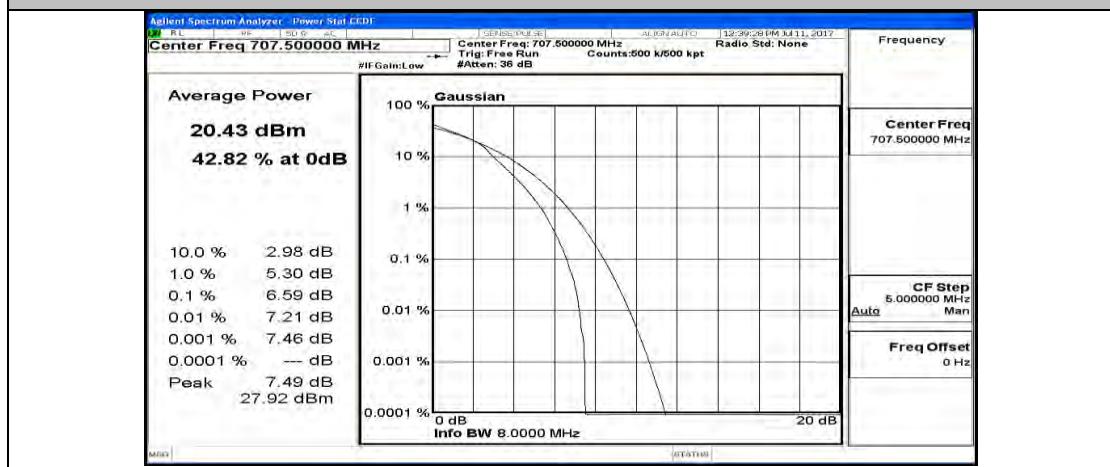
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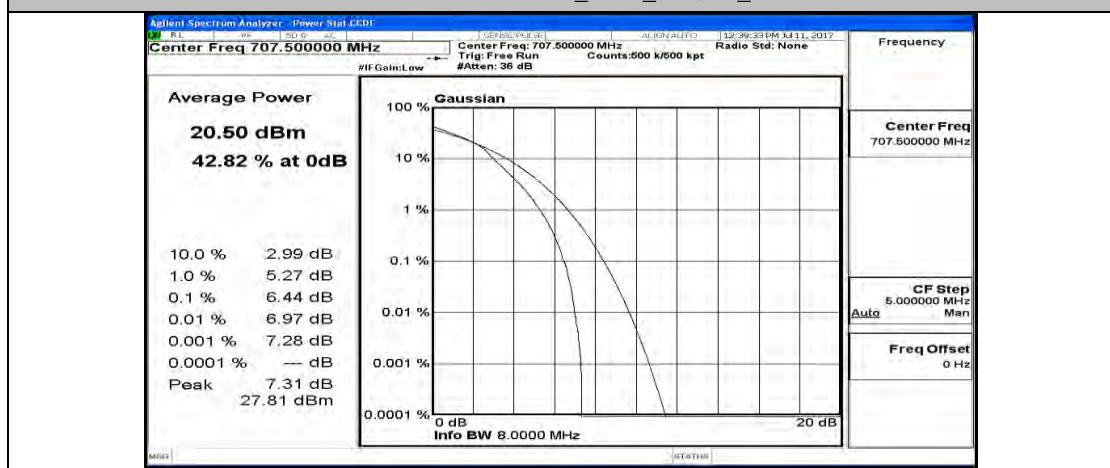
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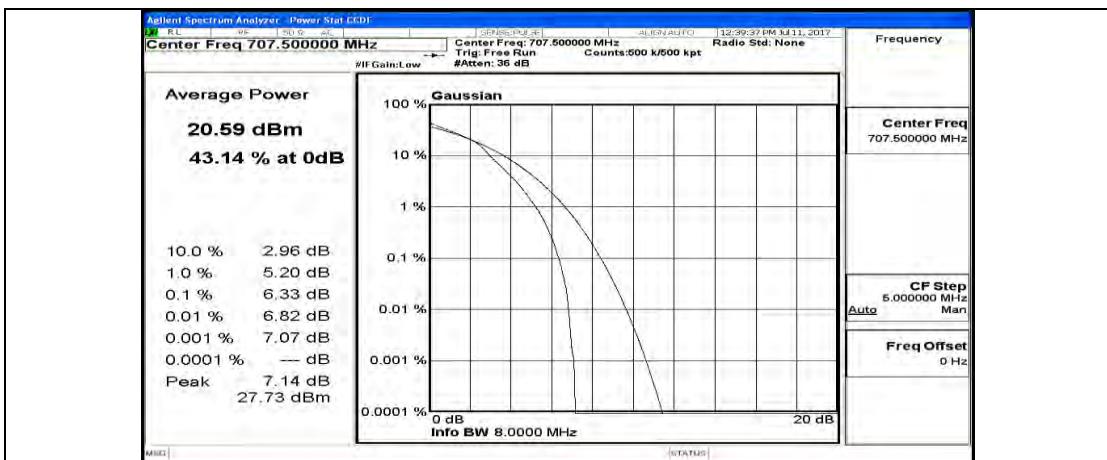
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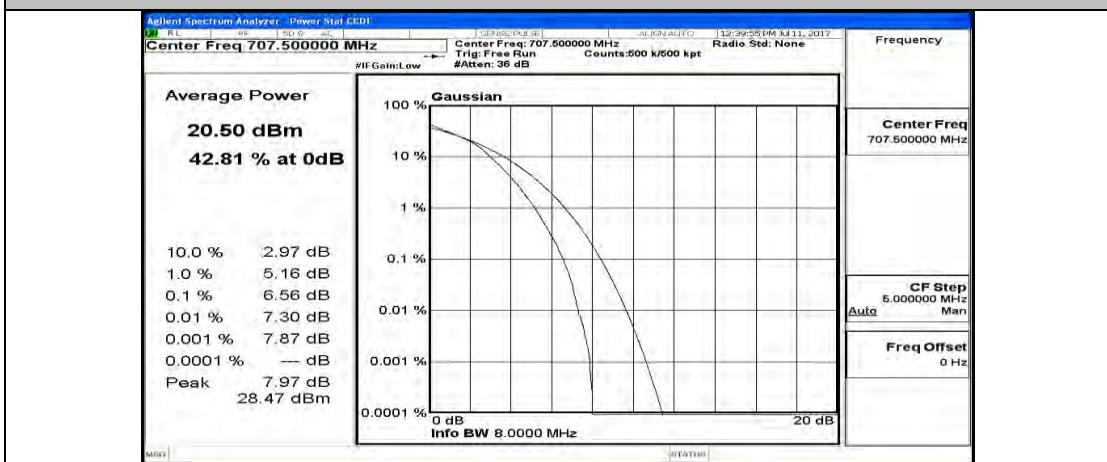
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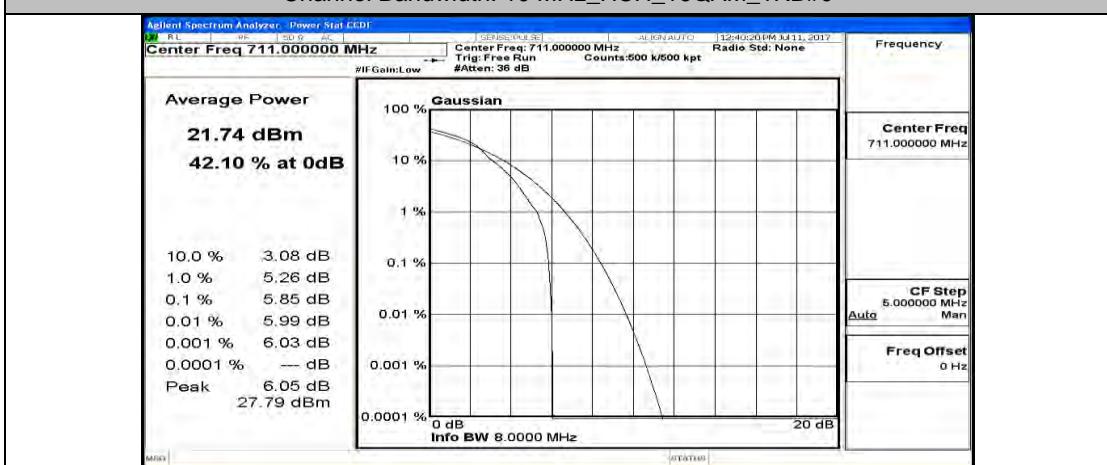
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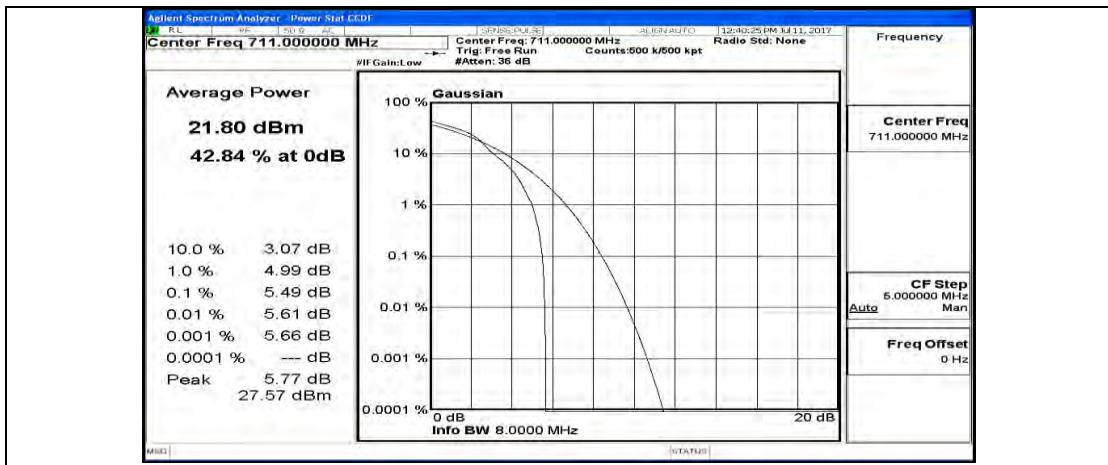
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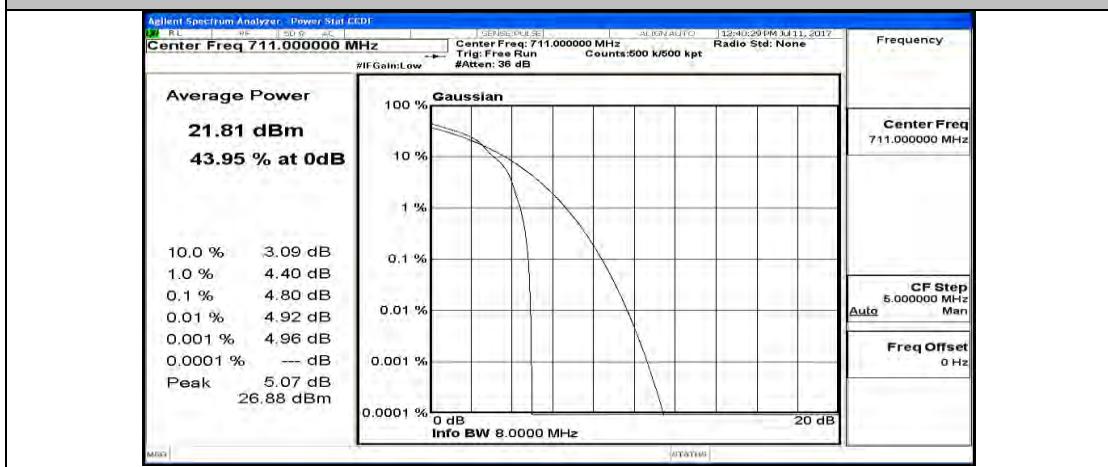
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



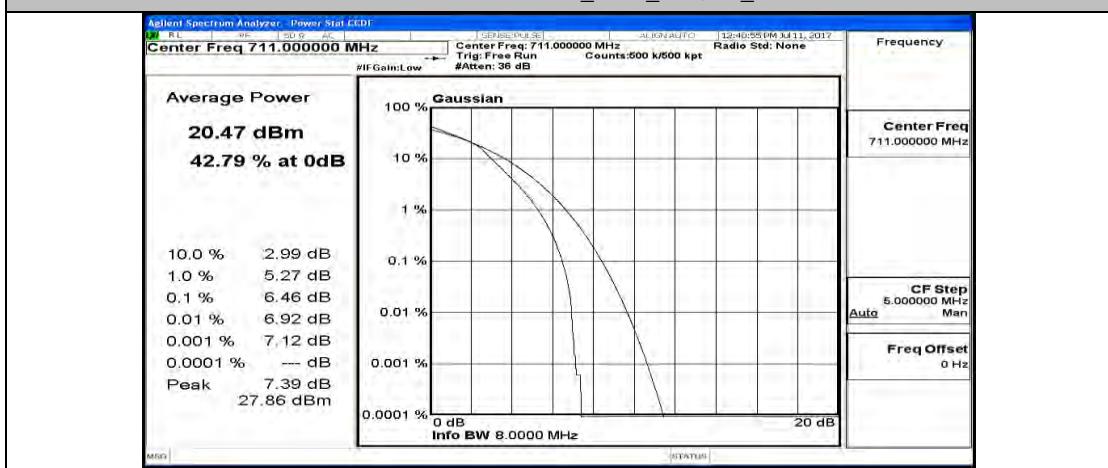
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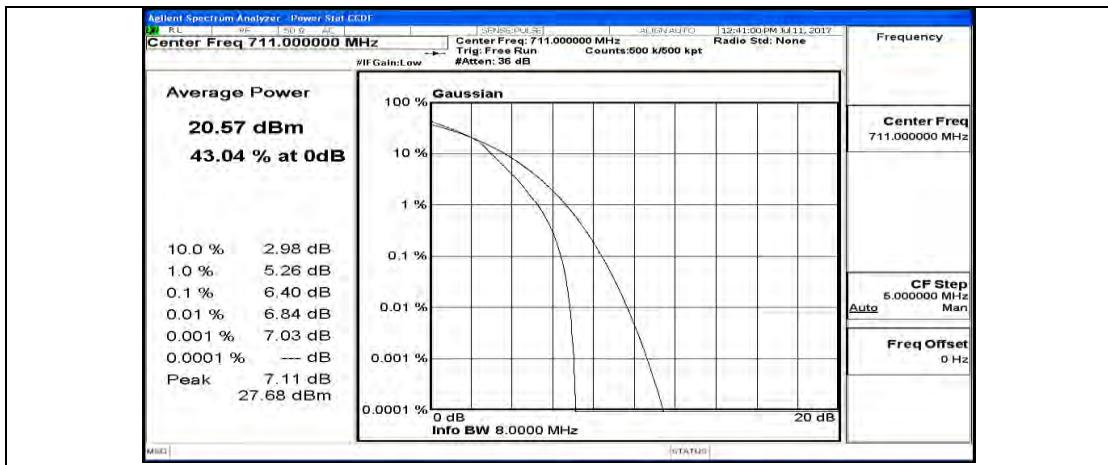
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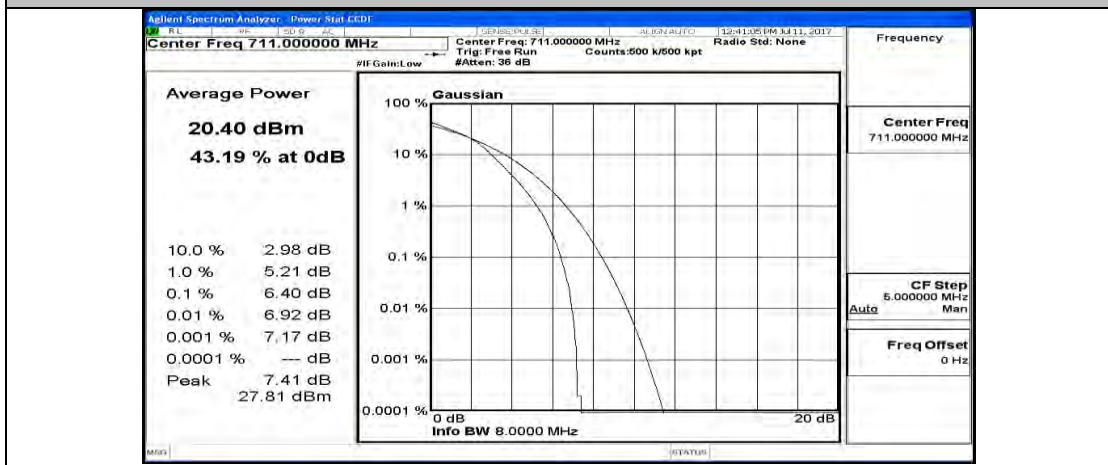
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

