

Appendix D: Test Data For E-UTRA Band 12

D.1: RF Output Power

Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.13		PASS
		1	3	22.26		PASS
		1	5	22.14		PASS
		3	0	22.24		PASS
		3	2	22.26		PASS
		3	3	22.37		PASS
		6	0	21.28		PASS
	MCH	1	0	22.66		PASS
		1	3	22.76		PASS
		1	5	22.72		PASS
		3	0	22.82		PASS
		3	2	22.72		PASS
		3	3	22.82		PASS
		6	0	21.70		PASS
16QAM	LCH	1	0	22.37		PASS
		1	3	22.47		PASS
		1	5	22.30		PASS
		3	0	22.46		PASS
		3	2	22.48		PASS
		3	3	22.40		PASS
		6	0	21.45		PASS
	MCH	1	0	21.42		PASS
		1	3	21.63		PASS
		1	5	21.58		PASS
		3	0	21.38		PASS
		3	2	21.44		PASS
		3	3	21.41		PASS
		6	0	20.29		PASS
	HCH	1	0	22.01		PASS
		1	3	22.12		PASS
		1	5	22.02		PASS
		3	0	21.77		PASS
		3	2	21.73		PASS
		3	3	21.82		PASS
		6	0	20.66		PASS
	HCH	1	0	21.66		PASS
		1	3	21.76		PASS

		1	5	21.52		PASS
		3	0	21.53		PASS
		3	2	21.41		PASS
		3	3	21.47		PASS
		6	0	20.59		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.14		PASS
		1	7	22.39		PASS
		1	14	22.37		PASS
		8	0	21.27		PASS
		8	4	21.46		PASS
		8	7	21.49		PASS
		15	0	21.36		PASS
	MCH	1	0	22.58		PASS
		1	7	22.76		PASS
		1	14	22.75		PASS
		8	0	21.80		PASS
		8	4	21.89		PASS
		8	7	21.86		PASS
		15	0	21.82		PASS
16QAM	HCH	1	0	22.45		PASS
		1	7	22.43		PASS
		1	14	22.21		PASS
		8	0	21.60		PASS
		8	4	21.48		PASS
		8	7	21.40		PASS
		15	0	21.45		PASS
	LCH	1	0	21.41		PASS
		1	7	21.71		PASS
		1	14	21.73		PASS
		8	0	20.41		PASS
		8	4	20.52		PASS
		8	7	20.64		PASS
		15	0	20.44		PASS
	MCH	1	0	21.93		PASS
		1	7	22.12		PASS
		1	14	21.98		PASS
		8	0	20.81		PASS
		8	4	20.93		PASS
		8	7	20.96		PASS
		15	0	20.74		PASS

	HCH	1	0	21.94		PASS
		1	7	21.83		PASS
		1	14	21.48		PASS
		8	0	20.59		PASS
		8	4	20.43		PASS
		8	7	20.44		PASS
		15	0	20.46		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.28		PASS
		1	12	22.55		PASS
		1	24	22.66		PASS
		12	0	21.47		PASS
		12	6	21.59		PASS
		12	13	21.75		PASS
		25	0	21.58		PASS
	MCH	1	0	22.75		PASS
		1	12	22.73		PASS
		1	24	22.77		PASS
		12	0	21.83		PASS
		12	6	21.94		PASS
		12	13	21.68		PASS
		25	0	21.75		PASS
	HCH	1	0	22.68		PASS
		1	12	22.65		PASS
		1	24	22.32		PASS
		12	0	21.74		PASS
		12	6	21.67		PASS
		12	13	21.42		PASS
		25	0	21.56		PASS
16QAM	LCH	1	0	21.68		PASS
		1	12	21.79		PASS
		1	24	21.83		PASS
		12	0	20.63		PASS
		12	6	20.72		PASS
		12	13	20.94		PASS
		25	0	20.61		PASS
	MCH	1	0	21.78		PASS
		1	12	21.83		PASS
		1	24	21.84		PASS
		12	0	20.95		PASS
		12	6	20.98		PASS

		12	13	20.92		PASS
		25	0	20.81		PASS
HCH		1	0	21.79		PASS
		1	12	21.73		PASS
		1	24	21.23		PASS
		12	0	20.90		PASS
		12	6	20.76		PASS
		12	13	20.58		PASS
		25	0	20.72		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.23		PASS
		1	24	22.65		PASS
		1	49	22.64		PASS
		25	0	21.56		PASS
		25	12	21.76		PASS
		25	25	21.83		PASS
		50	0	21.73		PASS
	MCH	1	0	22.57		PASS
		1	24	22.67		PASS
		1	49	22.55		PASS
		25	0	21.82		PASS
		25	12	21.80		PASS
		25	25	21.69		PASS
		50	0	21.72		PASS
	HCH	1	0	22.78		PASS
		1	24	22.71		PASS
		1	49	22.25		PASS
		25	0	21.79		PASS
		25	12	21.74		PASS
		25	25	21.61		PASS
		50	0	21.79		PASS
16QAM	LCH	1	0	21.57		PASS
		1	24	21.68		PASS
		1	49	21.73		PASS
		25	0	20.63		PASS
		25	12	20.81		PASS
		25	25	20.90		PASS
		50	0	20.77		PASS
	MCH	1	0	21.73		PASS
		1	24	21.82		PASS
		1	49	21.83		PASS

HCH	HCH	25	0	20.81		PASS
		25	12	20.88		PASS
		25	25	20.74		PASS
		50	0	20.77		PASS
		1	0	21.70		PASS
		1	24	21.81		PASS
		1	49	21.60		PASS
		25	0	20.84		PASS
		25	12	20.76		PASS
		25	25	20.68		PASS
		50	0	20.79		PASS

D.2: Peak-to-Average Ratio

Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.05	<13	PASS
		1	3	4.11	<13	PASS
		1	5	4.2	<13	PASS
		3	0	4.23	<13	PASS
		3	2	4.33	<13	PASS
		3	3	4.37	<13	PASS
		6	0	5.43	<13	PASS
	MCH	1	0	3.76	<13	PASS
		1	3	3.69	<13	PASS
		1	5	3.76	<13	PASS
		3	0	3.86	<13	PASS
		3	2	3.86	<13	PASS
		3	3	3.86	<13	PASS
		6	0	4.97	<13	PASS
16QAM	LCH	1	0	3.5	<13	PASS
		1	3	3.42	<13	PASS
		1	5	3.47	<13	PASS
		3	0	3.61	<13	PASS
		3	2	3.56	<13	PASS
		3	3	3.59	<13	PASS
		6	0	4.68	<13	PASS
	MCH	1	0	5.13	<13	PASS
		1	3	5.17	<13	PASS
		1	5	5.31	<13	PASS
		3	0	5.06	<13	PASS
		3	2	5.19	<13	PASS
		3	3	5.21	<13	PASS
		6	0	6.17	<13	PASS
	HCH	1	0	4.87	<13	PASS
		1	3	4.81	<13	PASS
		1	5	4.87	<13	PASS
		3	0	4.7	<13	PASS
		3	2	4.76	<13	PASS
		3	3	4.72	<13	PASS
		6	0	5.77	<13	PASS
	HCH	1	0	4.59	<13	PASS
		1	3	4.5	<13	PASS
		1	5	4.6	<13	PASS

		3	0	4.36	<13	PASS
		3	2	4.31	<13	PASS
		3	3	4.3	<13	PASS
		6	0	5.49	<13	PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.06	<13	PASS
		1	7	4.19	<13	PASS
		1	14	4.31	<13	PASS
		8	0	5.37	<13	PASS
		8	4	5.54	<13	PASS
		8	7	5.62	<13	PASS
		15	0	5.65	<13	PASS
	MCH	1	0	3.8	<13	PASS
		1	7	3.75	<13	PASS
		1	14	3.9	<13	PASS
		8	0	4.87	<13	PASS
		8	4	4.84	<13	PASS
		8	7	4.94	<13	PASS
		15	0	5.2	<13	PASS
	HCH	1	0	3.97	<13	PASS
		1	7	3.56	<13	PASS
		1	14	3.47	<13	PASS
		8	0	5.04	<13	PASS
		8	4	4.69	<13	PASS
		8	7	4.6	<13	PASS
		15	0	5.19	<13	PASS
16QAM	LCH	1	0	5.17	<13	PASS
		1	7	5.37	<13	PASS
		1	14	5.53	<13	PASS
		8	0	6.02	<13	PASS
		8	4	6.21	<13	PASS
		8	7	6.37	<13	PASS
		15	0	6.54	<13	PASS
	MCH	1	0	4.9	<13	PASS
		1	7	4.86	<13	PASS
		1	14	5.06	<13	PASS
		8	0	5.6	<13	PASS
		8	4	5.57	<13	PASS
		8	7	5.65	<13	PASS
		15	0	6.04	<13	PASS
	HCH	1	0	5.14	<13	PASS

		1	7	4.72	<13	PASS
		1	14	4.61	<13	PASS
		8	0	5.8	<13	PASS
		8	4	5.54	<13	PASS
		8	7	5.38	<13	PASS
		15	0	5.94	<13	PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.97	<13	PASS
		1	12	4.23	<13	PASS
		1	24	3.99	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.73	<13	PASS
	MCH	1	0	3.74	<13	PASS
		1	12	3.83	<13	PASS
		1	24	3.95	<13	PASS
		12	0	4.84	<13	PASS
		12	6	4.78	<13	PASS
		12	13	5.17	<13	PASS
		25	0	5.29	<13	PASS
16QAM	HCH	1	0	4.14	<13	PASS
		1	12	3.84	<13	PASS
		1	24	3.46	<13	PASS
		12	0	5.47	<13	PASS
		12	6	5.13	<13	PASS
		12	13	4.74	<13	PASS
		25	0	5.34	<13	PASS
	LCH	1	0	5.09	<13	PASS
		1	12	5.45	<13	PASS
		1	24	5.22	<13	PASS
		12	0	6.18	<13	PASS
		12	6	6.48	<13	PASS
		12	13	6.41	<13	PASS
		25	0	6.49	<13	PASS
	MCH	1	0	4.9	<13	PASS
		1	12	4.85	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.67	<13	PASS
		12	6	5.63	<13	PASS
		12	13	5.94	<13	PASS

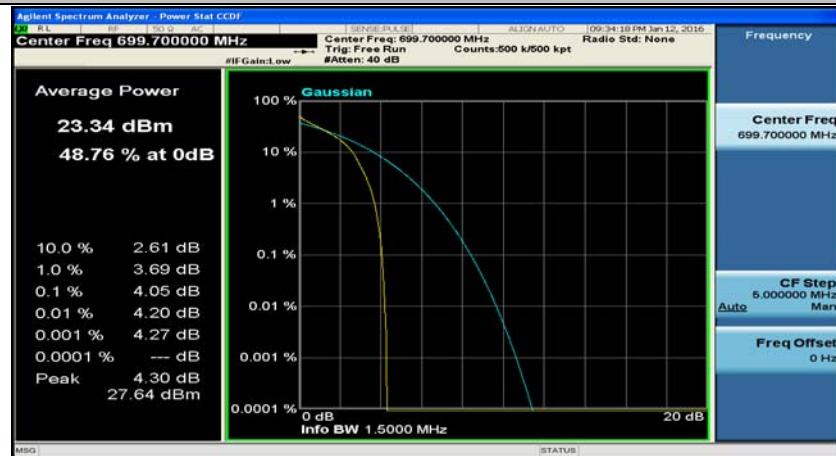
		25	0	6.05	<13	PASS
HCH		1	0	5.07	<13	PASS
		1	12	4.8	<13	PASS
		1	24	4.39	<13	PASS
		12	0	6.33	<13	PASS
		12	6	6.04	<13	PASS
		12	13	5.65	<13	PASS
		25	0	6.16	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.08	<13	PASS
		1	24	3.97	<13	PASS
		1	49	3.92	<13	PASS
		25	0	5.62	<13	PASS
		25	12	5.41	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.45	<13	PASS
	MCH	1	0	4.1	<13	PASS
		1	24	3.84	<13	PASS
		1	49	4.08	<13	PASS
		25	0	5.21	<13	PASS
		25	12	5.08	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.51	<13	PASS
	HCH	1	0	3.69	<13	PASS
		1	24	4.08	<13	PASS
		1	49	3.44	<13	PASS
		25	0	5.28	<13	PASS
		25	12	5.53	<13	PASS
		25	25	5.21	<13	PASS
		50	0	5.48	<13	PASS
16QAM	LCH	1	0	5.19	<13	PASS
		1	24	5.15	<13	PASS
		1	49	4.99	<13	PASS
		25	0	6.44	<13	PASS
		25	12	6.2	<13	PASS
		25	25	5.93	<13	PASS
		50	0	6.19	<13	PASS
	MCH	1	0	5.22	<13	PASS
		1	24	4.85	<13	PASS
		1	49	5.28	<13	PASS
		25	0	6.05	<13	PASS

		25	12	5.87	<13	PASS
		25	25	6.25	<13	PASS
		50	0	6.25	<13	PASS
	HCH	1	0	4.79	<13	PASS
		1	24	5.26	<13	PASS
		1	49	4.55	<13	PASS
		25	0	6.07	<13	PASS
		25	12	6.32	<13	PASS
		25	25	6.06	<13	PASS
		50	0	6.22	<13	PASS

Test Graphs

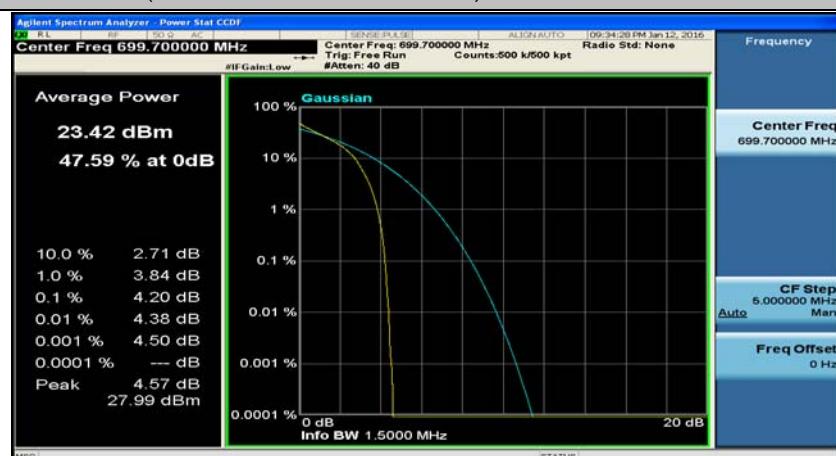
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(Channel Bandwidth 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#0

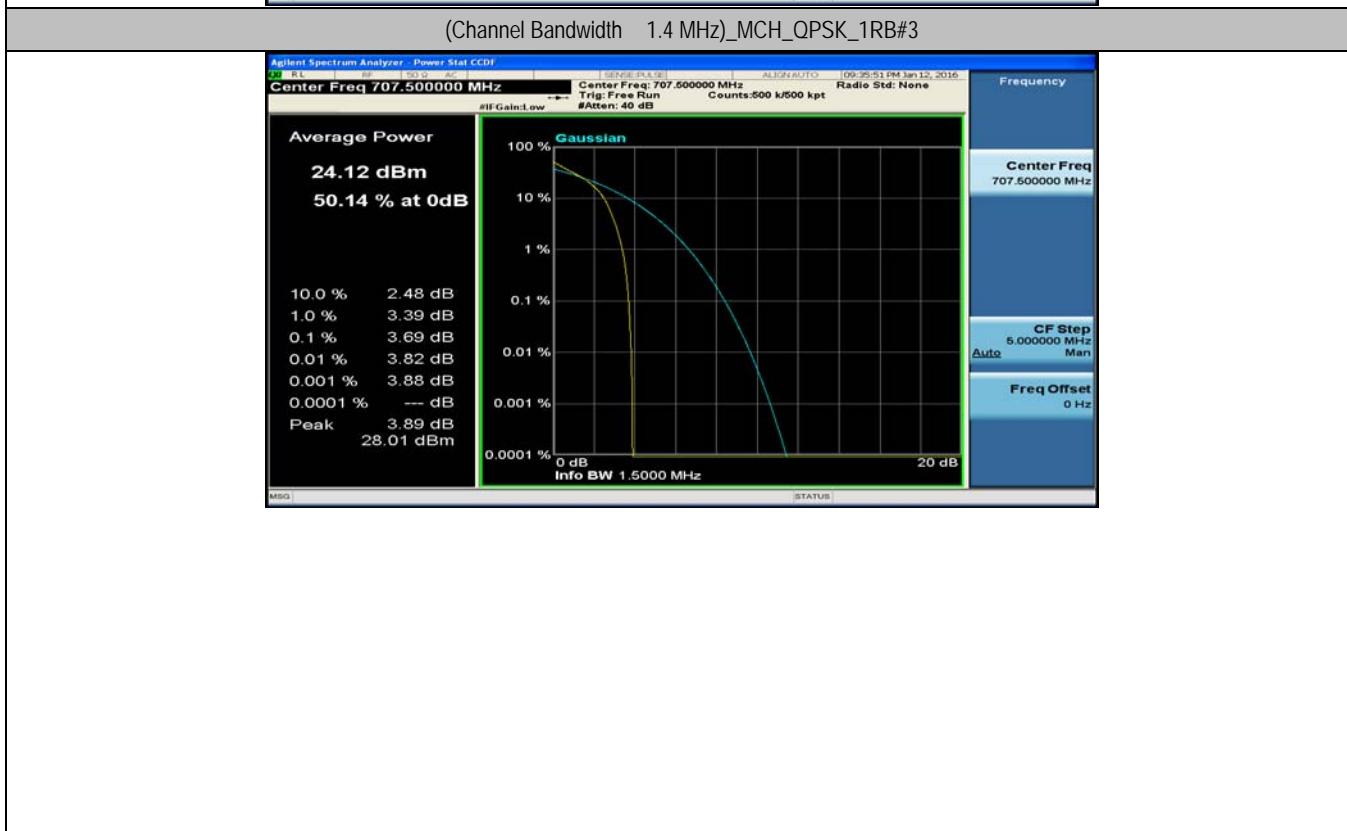
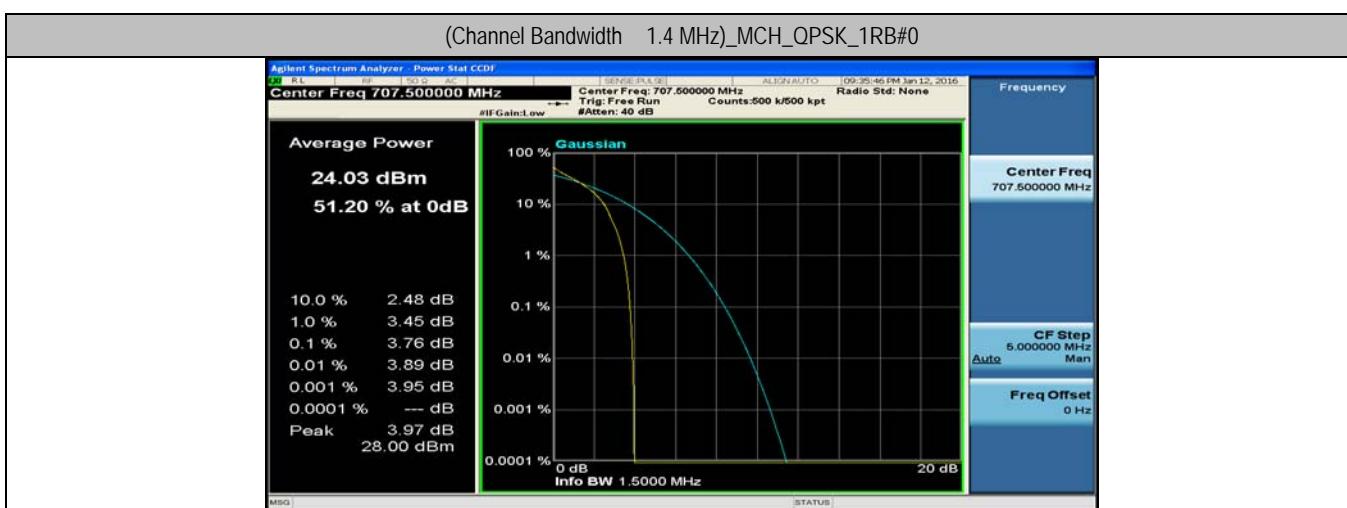
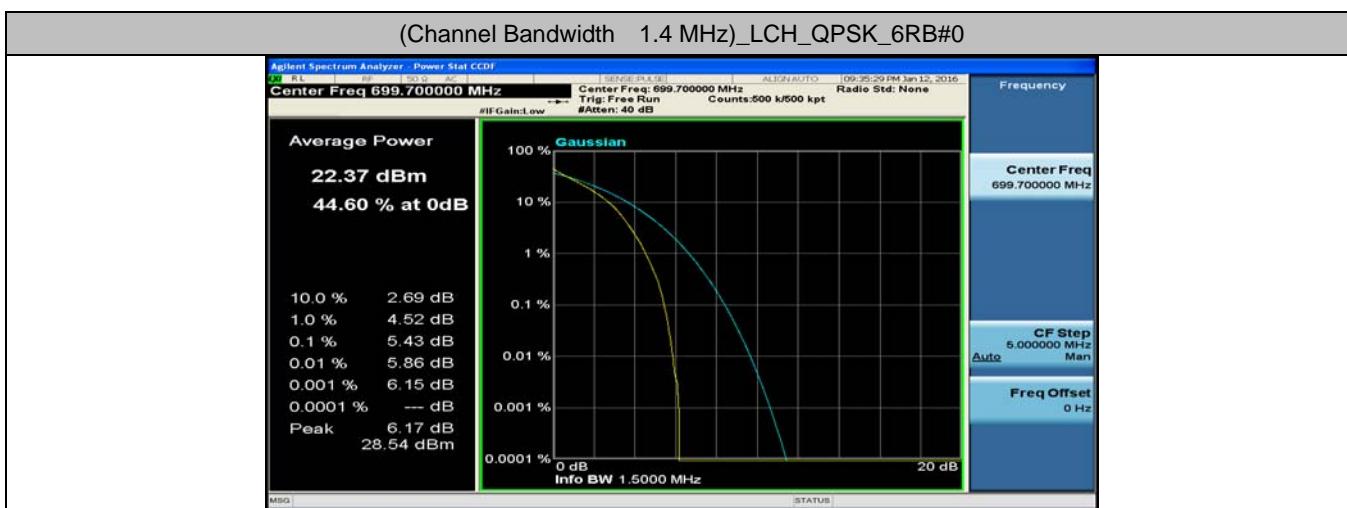


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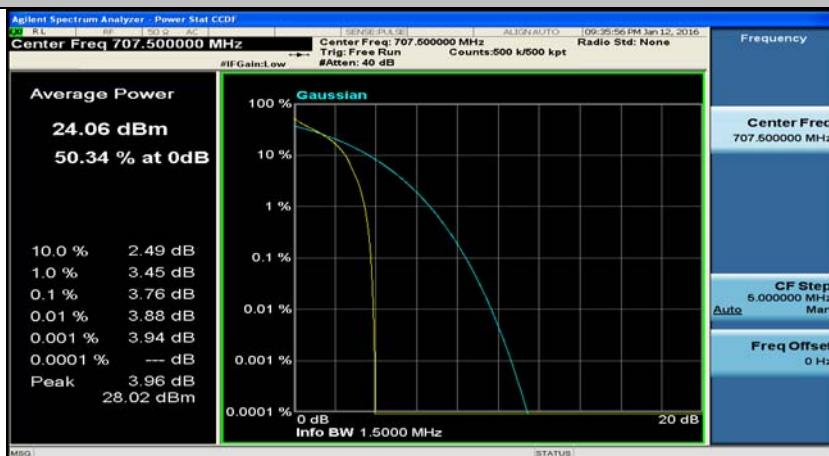


(Channel Bandwidth 1.4 MHz)_LCH_QPSK_3RB#3

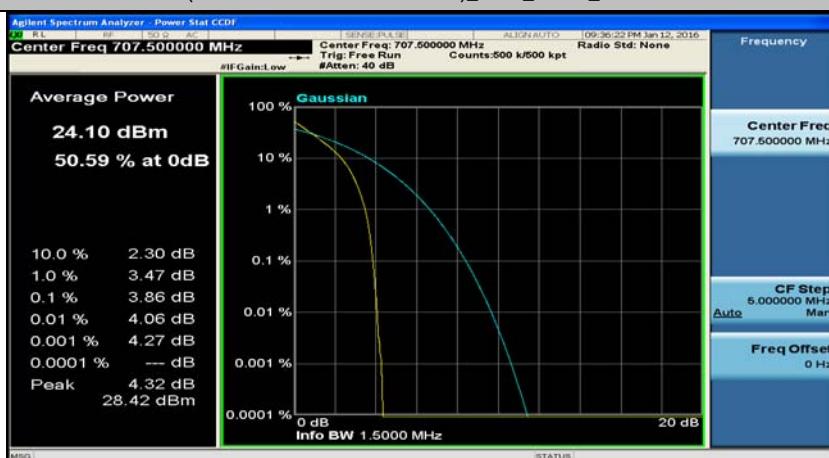




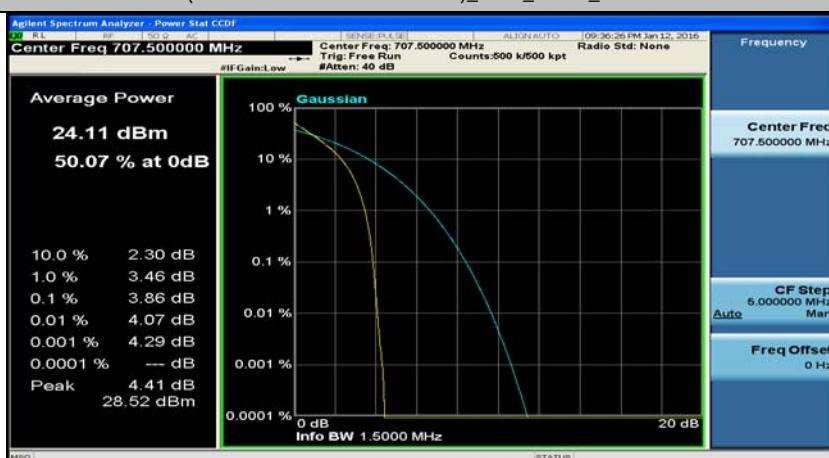
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_1RB#5



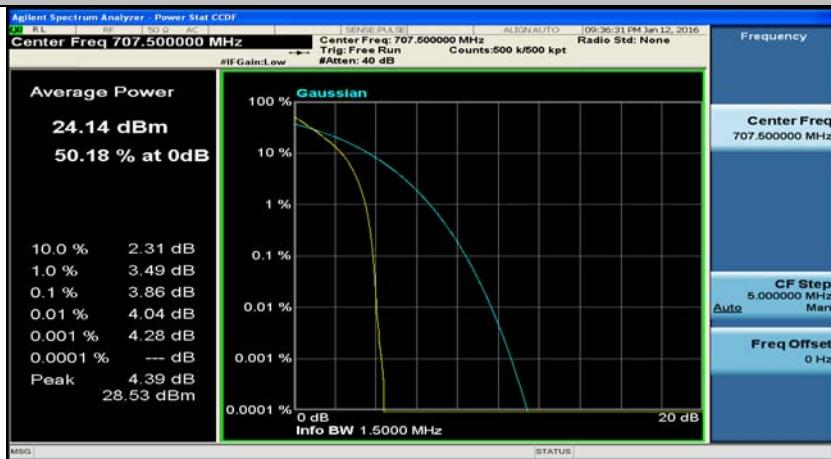
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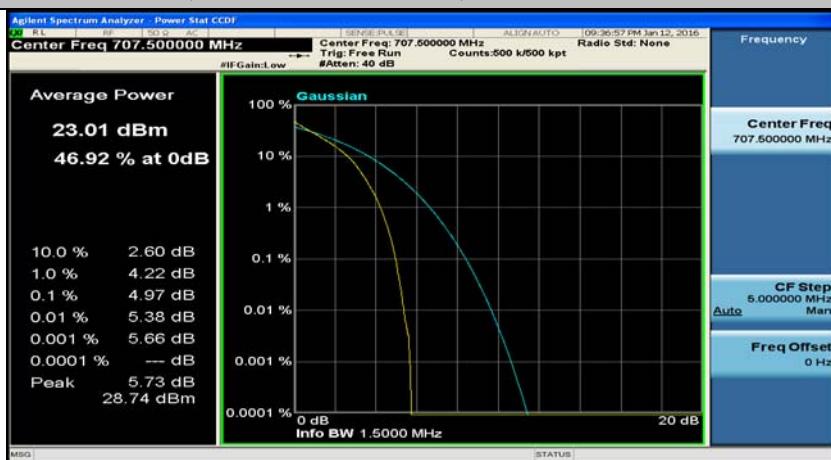
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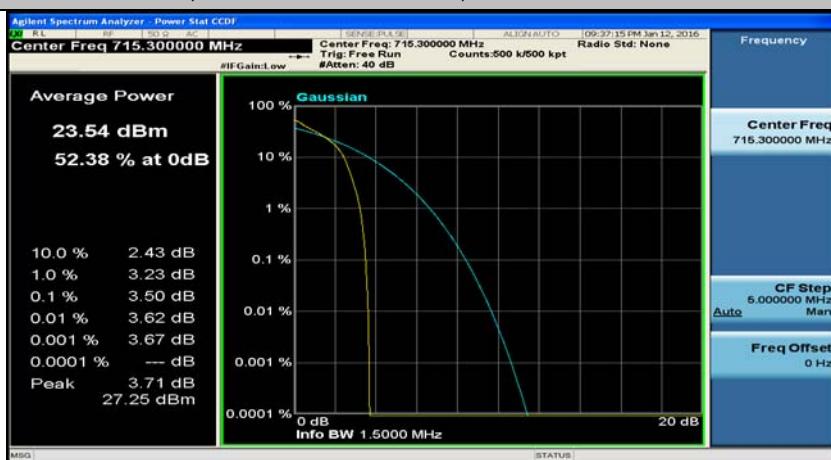
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_3RB#3



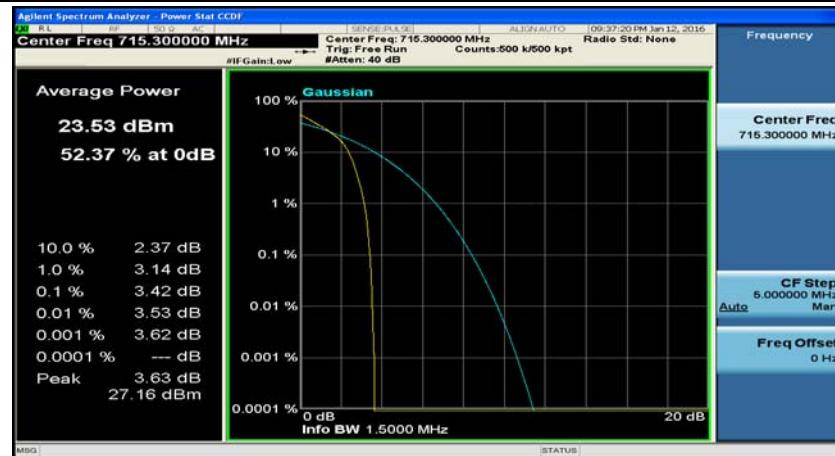
(Channel Bandwidth 1.4 MHz)_MCH_QPSK_6RB#0



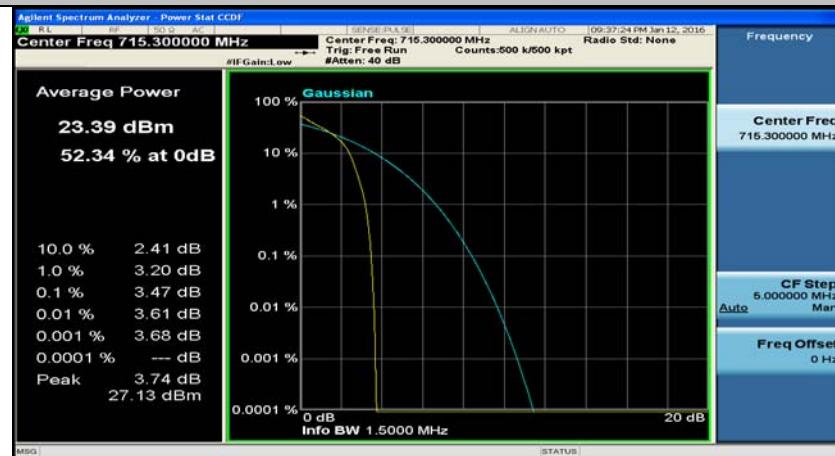
(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#0



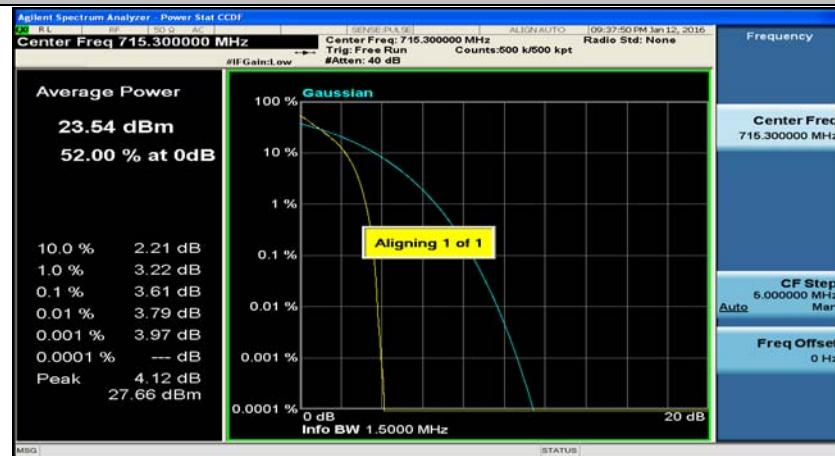
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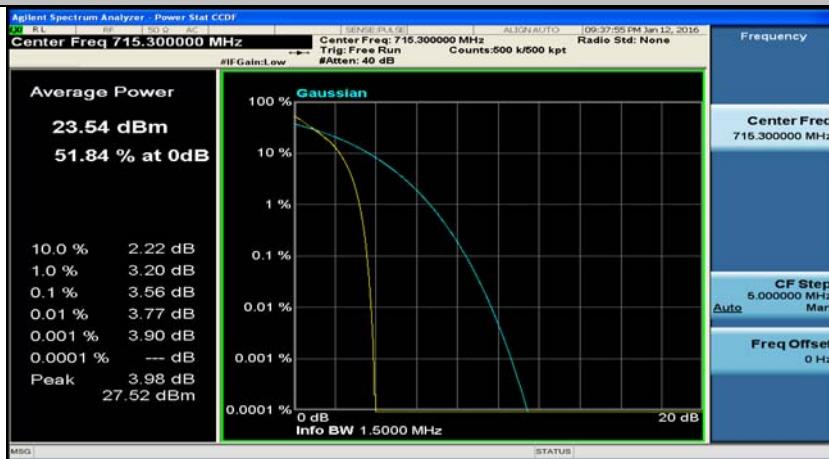
(Channel Bandwidth 1.4 MHz)_HCH_QPSK_1RB#5



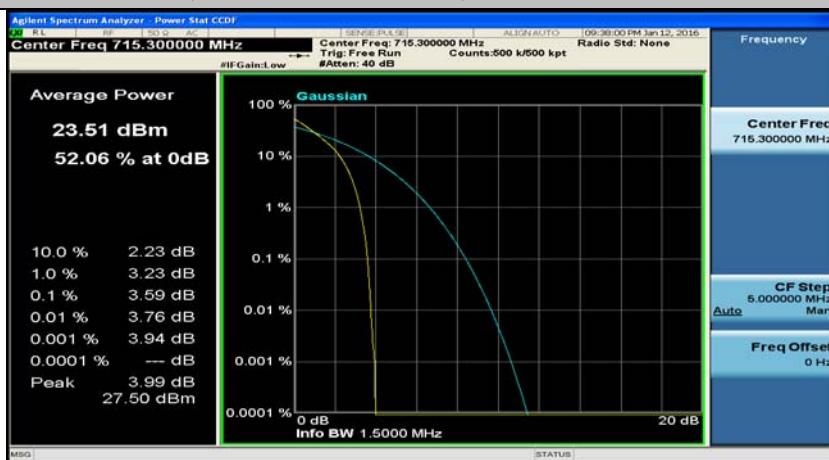
(Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#0



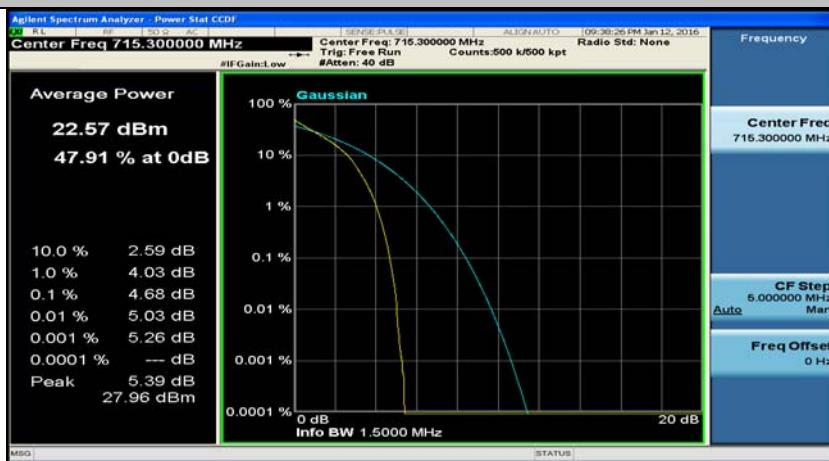
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(Channel Bandwidth 1.4 MHz)_HCH_QPSK_3RB#3



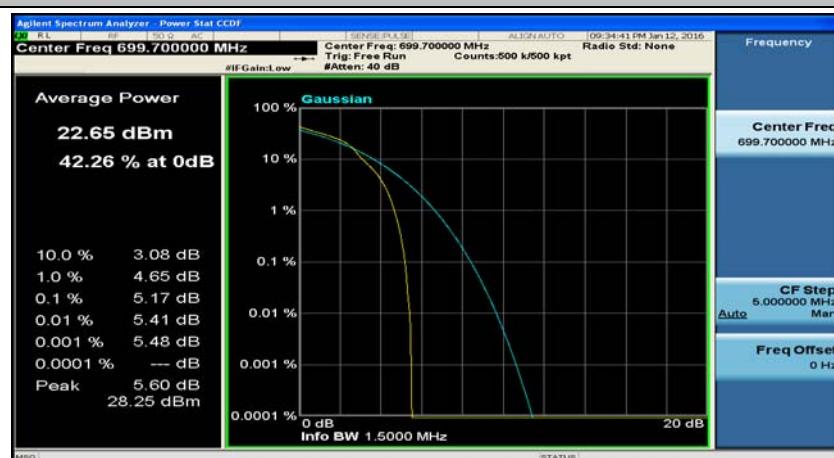
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(Channel Bandwidth 1.4 MHz)_LCH_16QAM_1RB#0



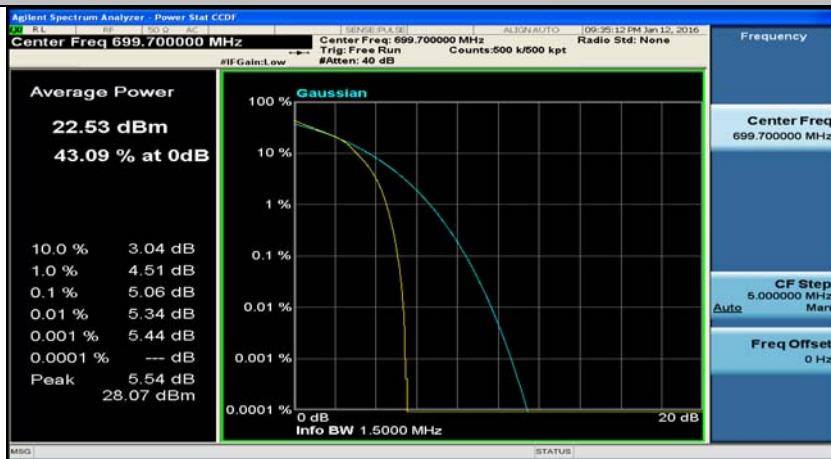
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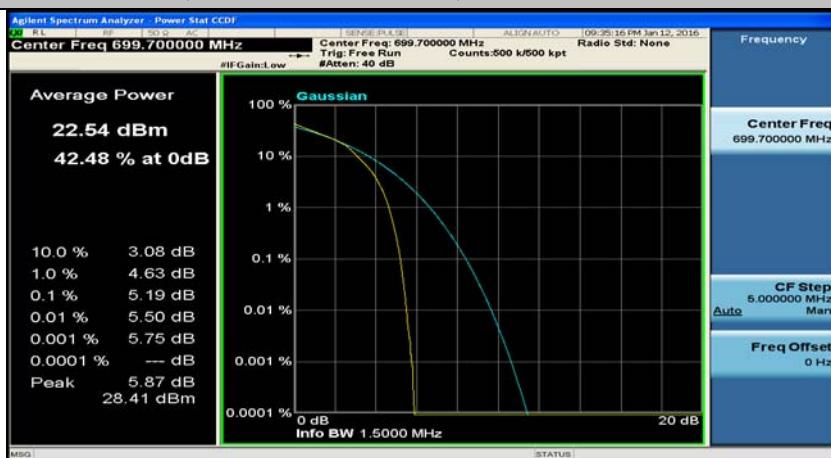
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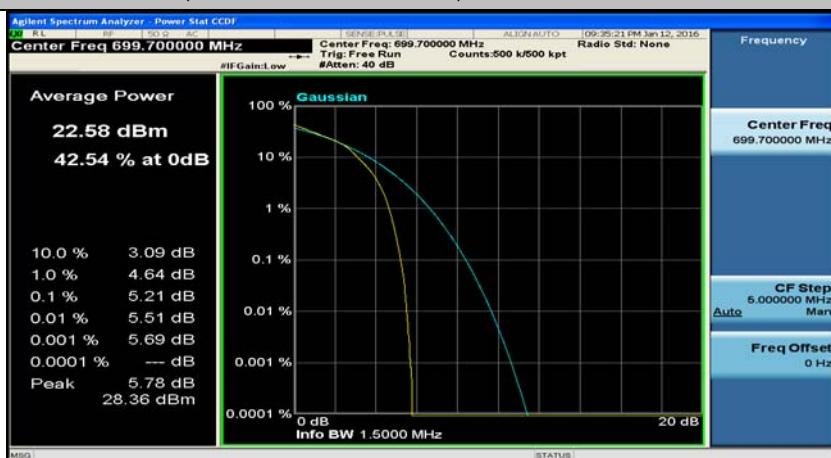
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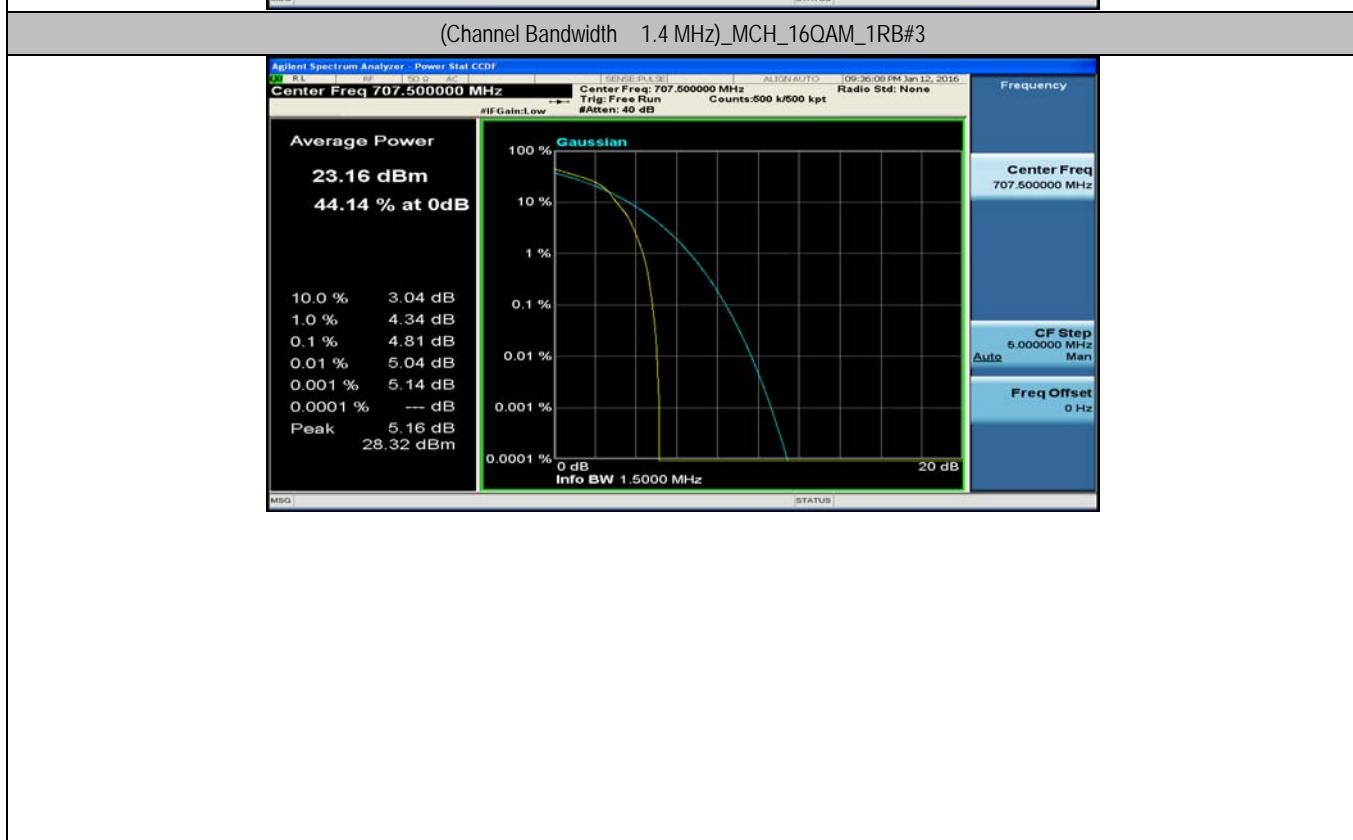
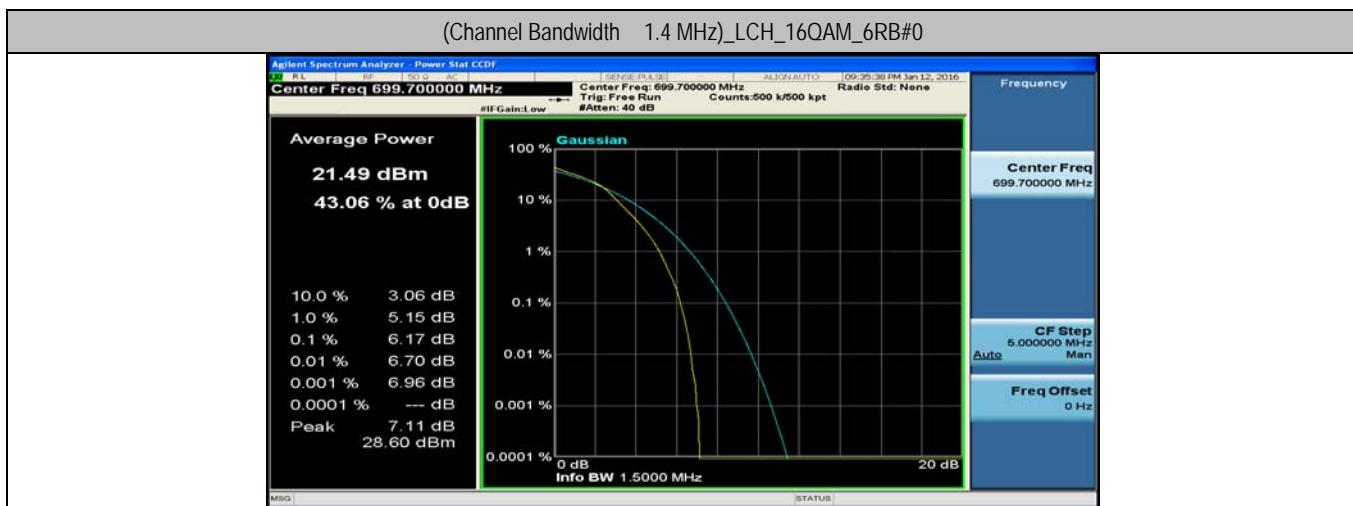


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#2

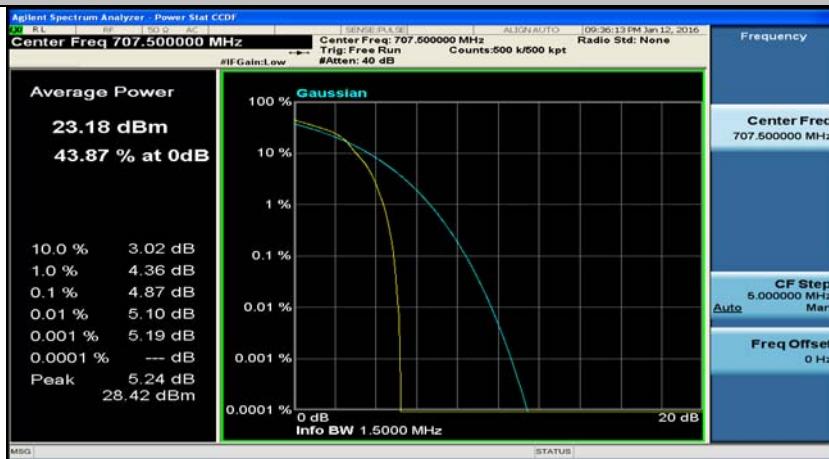


(Channel Bandwidth 1.4 MHz)_LCH_16QAM_3RB#3

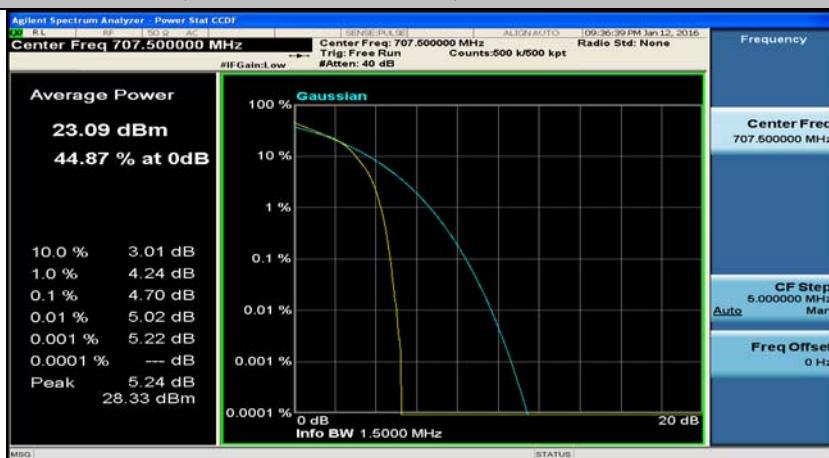




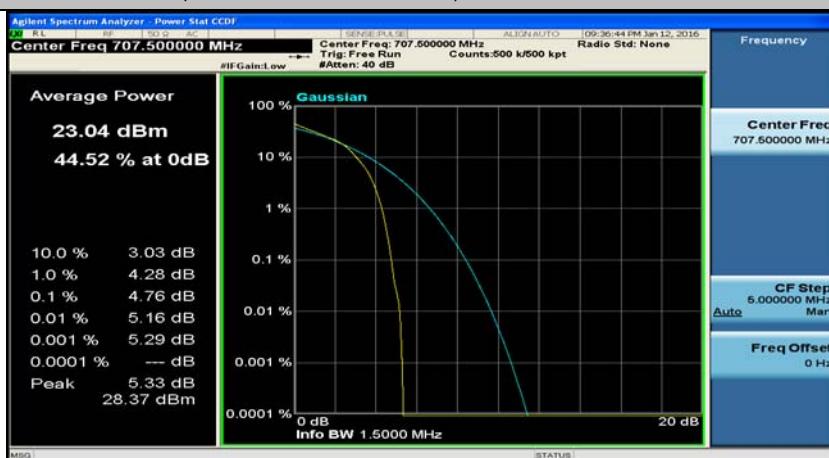
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_1RB#5



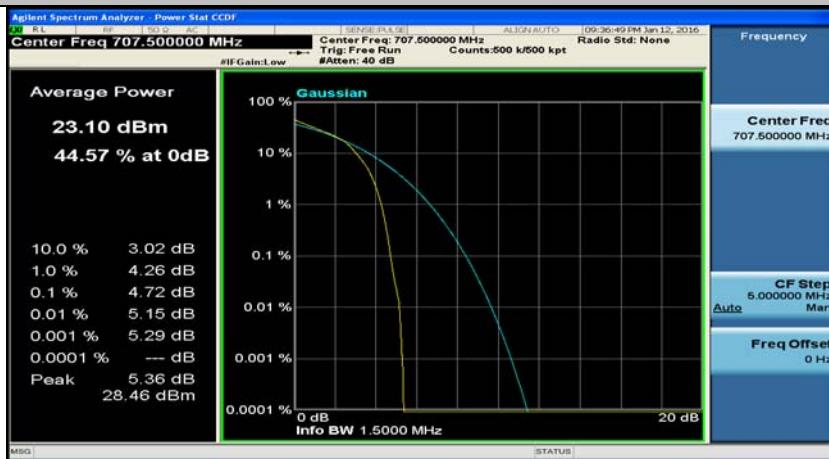
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#0



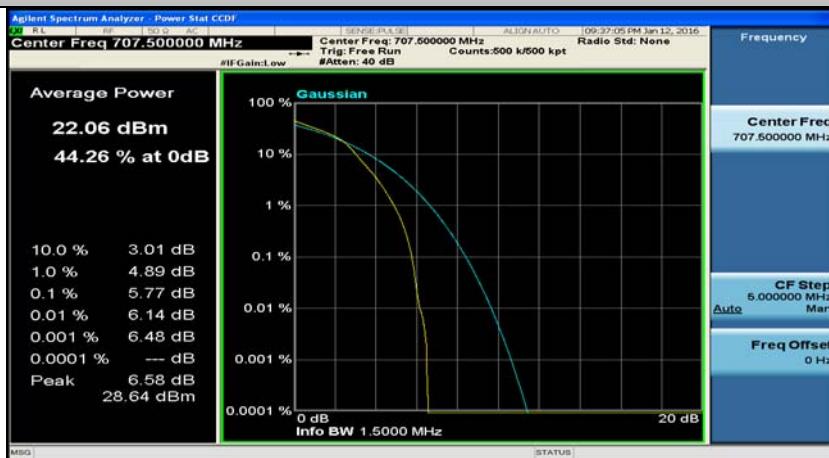
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#2



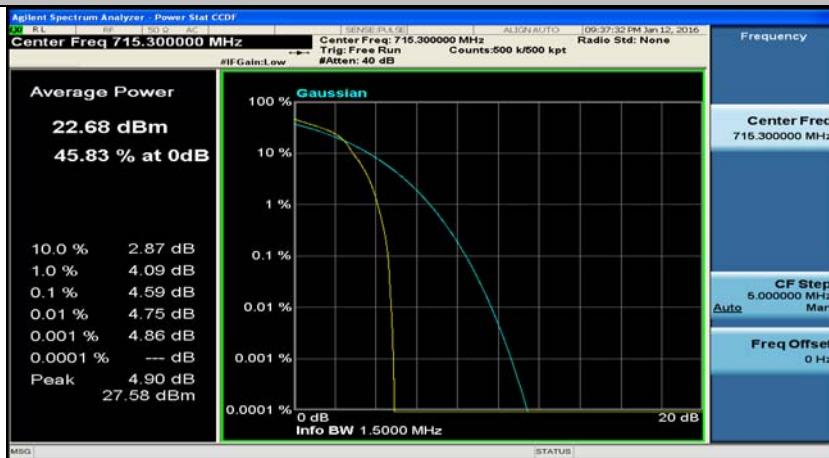
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_3RB#3



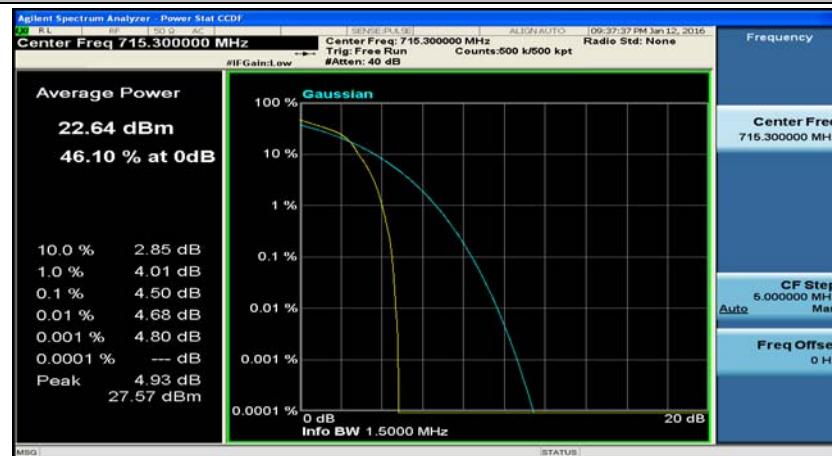
(Channel Bandwidth 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_1RB#5



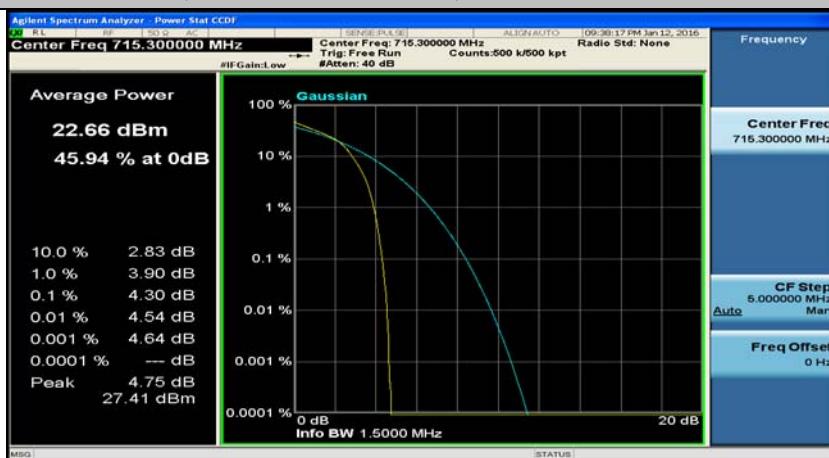
(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_3RB#3



(Channel Bandwidth 1.4 MHz)_HCH_16QAM_6RB#0



(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#7



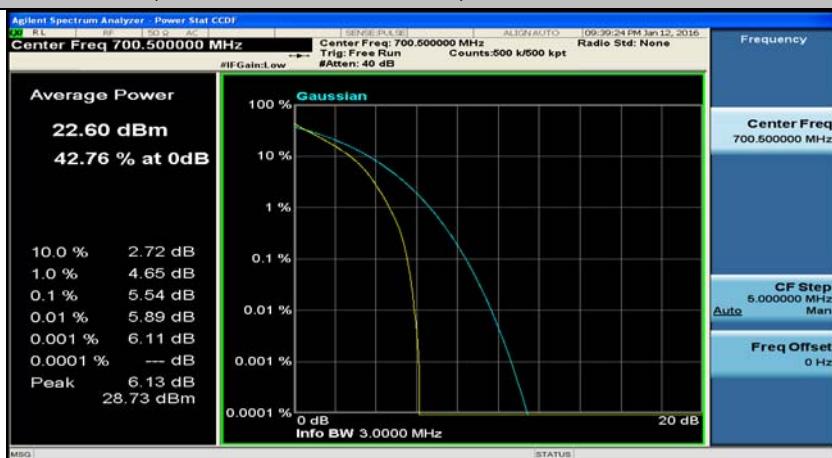
(Channel Bandwidth 3 MHz)_LCH_QPSK_1RB#14



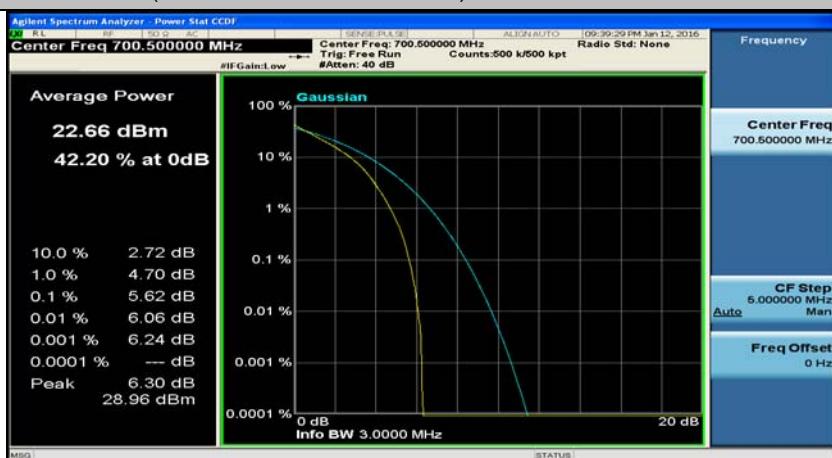
(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#0



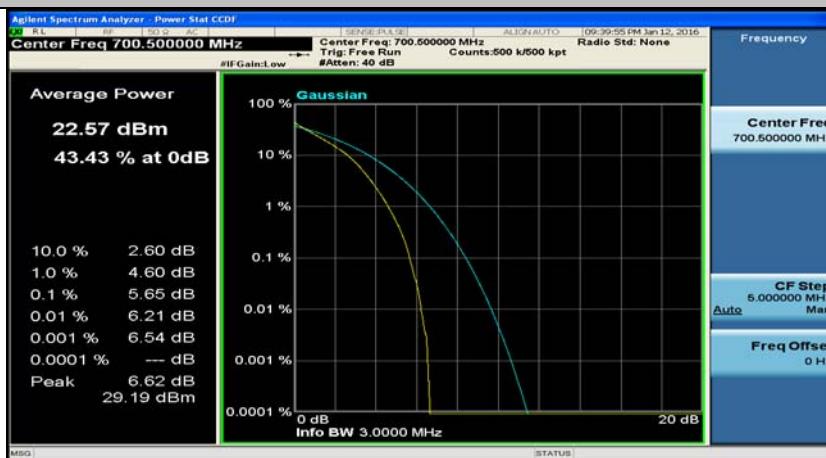
(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#4



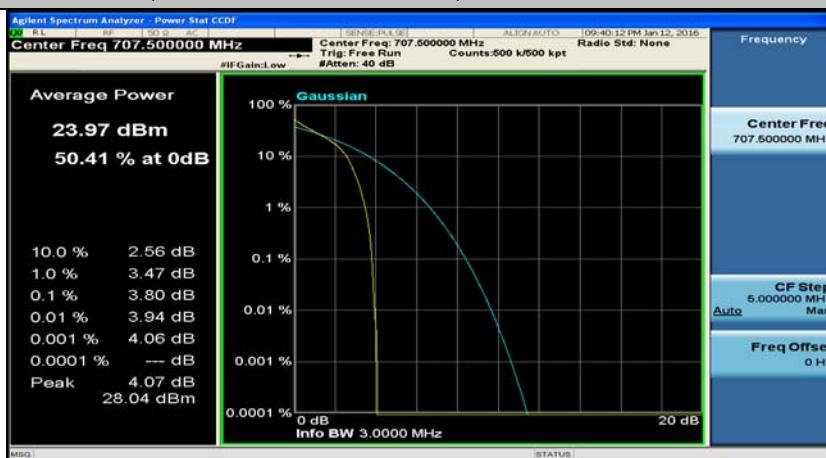
(Channel Bandwidth 3 MHz)_LCH_QPSK_8RB#7



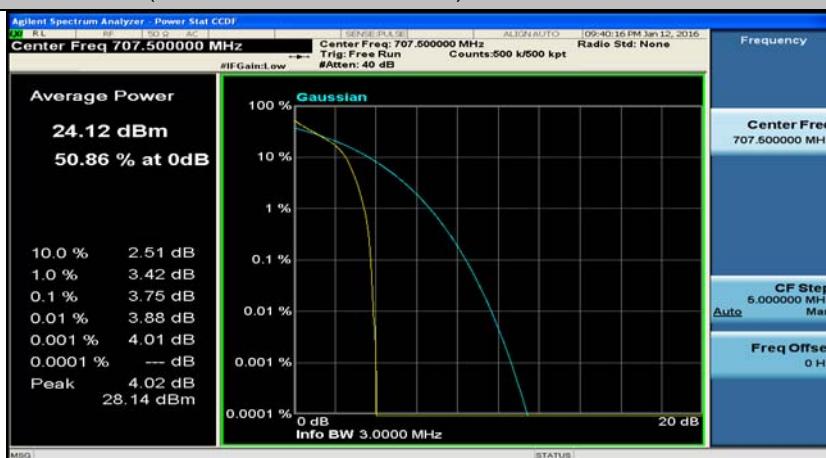
(Channel Bandwidth 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth 3 MHz)_MCH_QPSK_1RB#7



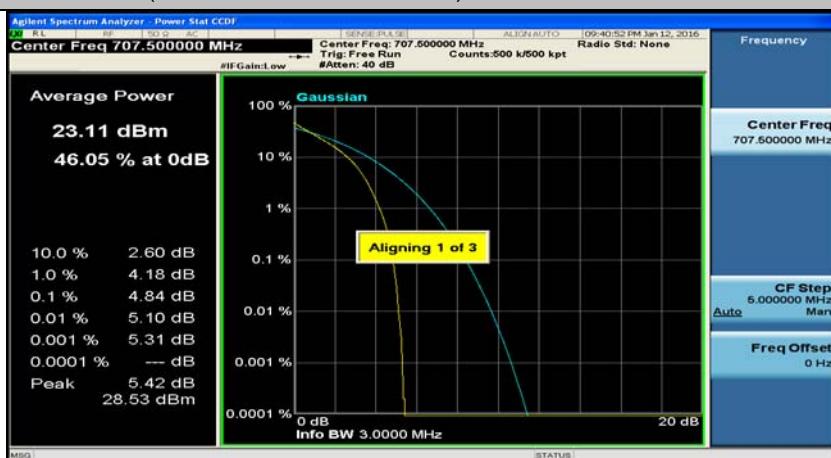
(Channel Bandwidth 3 MHz)_MCH_QPSK_1RB#14



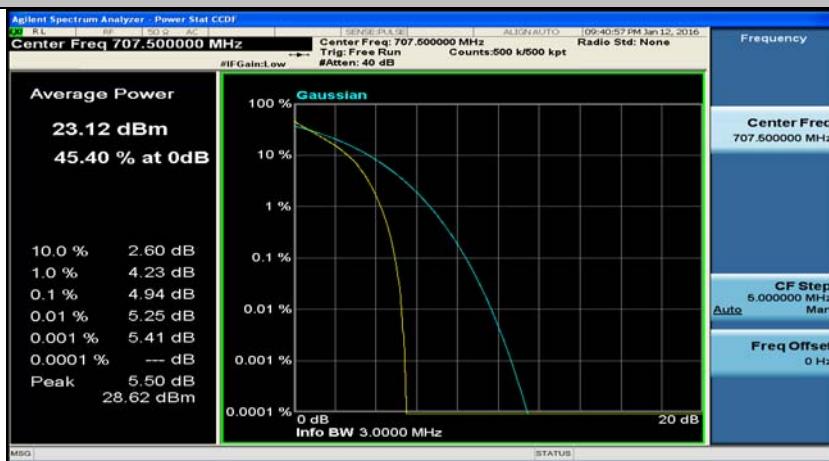
(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#0



(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#4



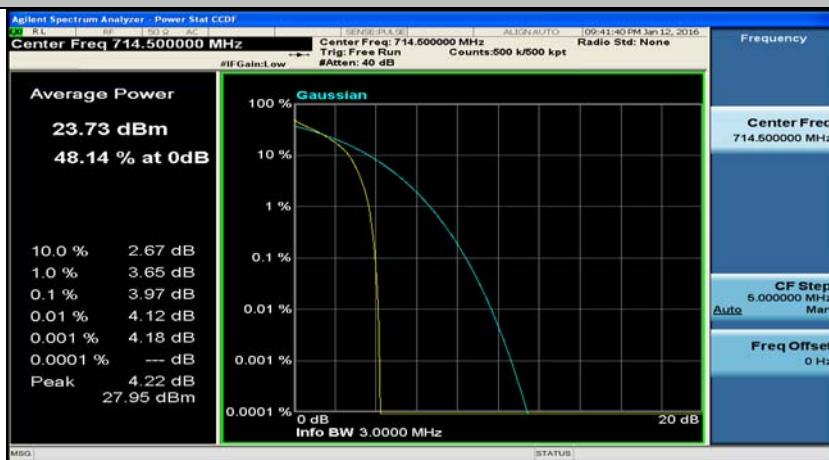
(Channel Bandwidth 3 MHz)_MCH_QPSK_8RB#7



(Channel Bandwidth 3 MHz)_MCH_QPSK_15RB#0



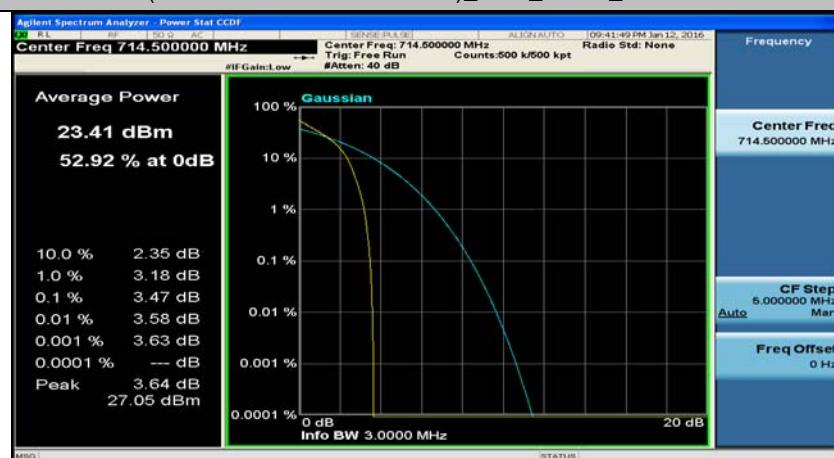
(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#7



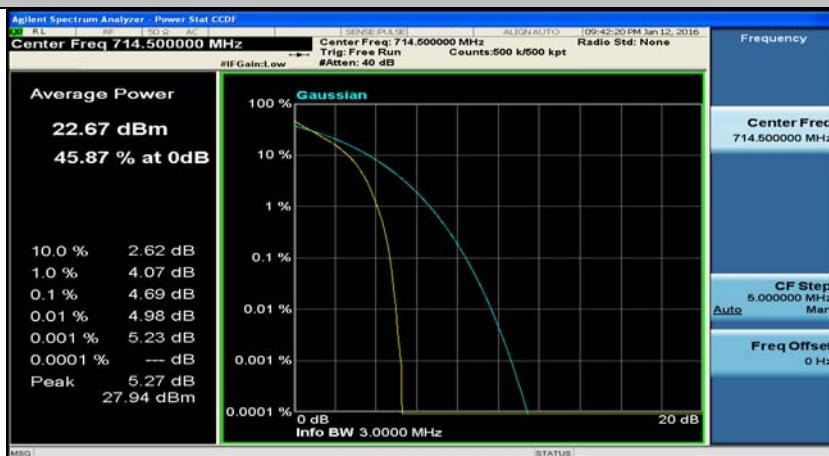
(Channel Bandwidth 3 MHz)_HCH_QPSK_1RB#14



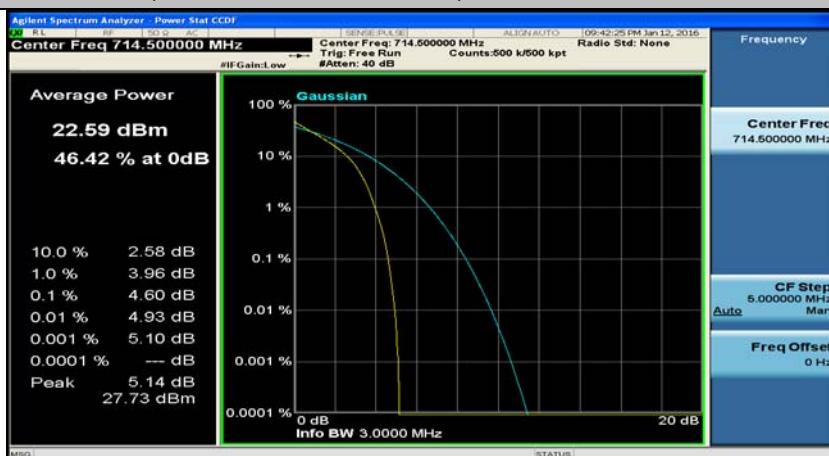
(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#0



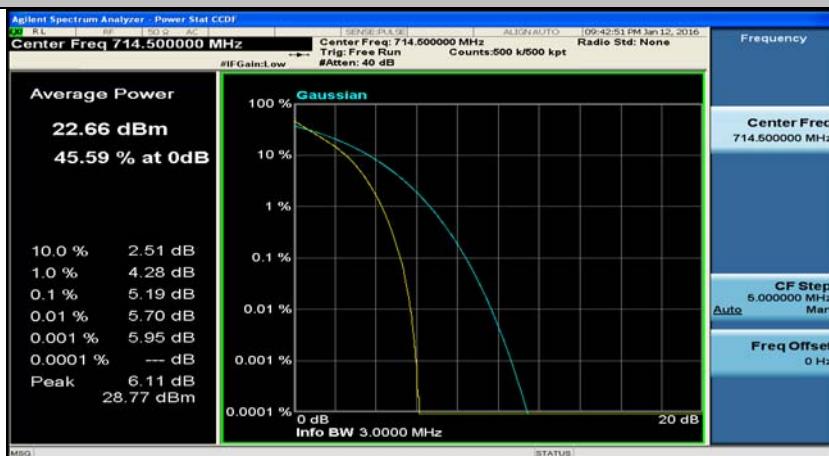
(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#4



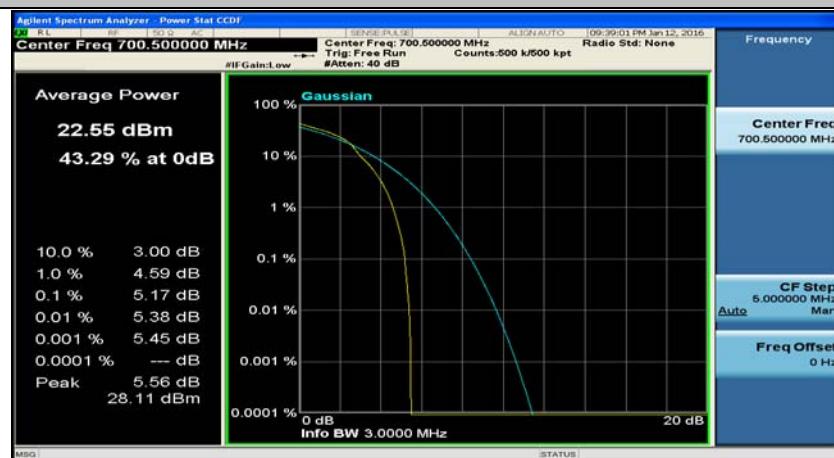
(Channel Bandwidth 3 MHz)_HCH_QPSK_8RB#7



(Channel Bandwidth 3 MHz)_HCH_QPSK_15RB#0



(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#0



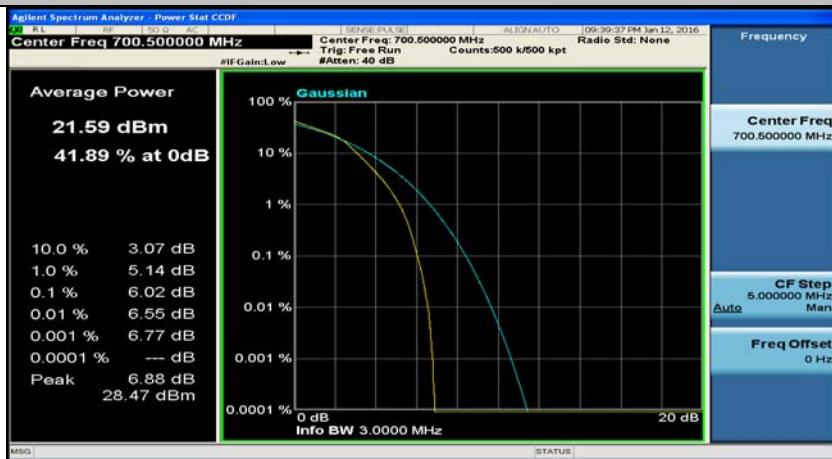
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#7



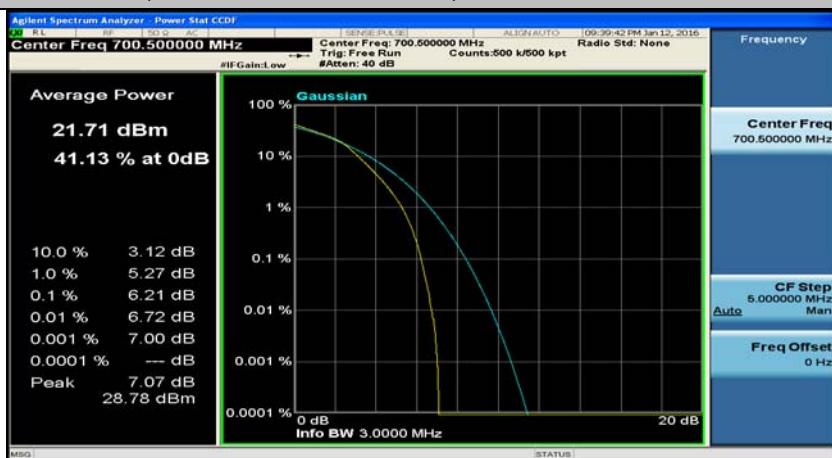
(Channel Bandwidth 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#0

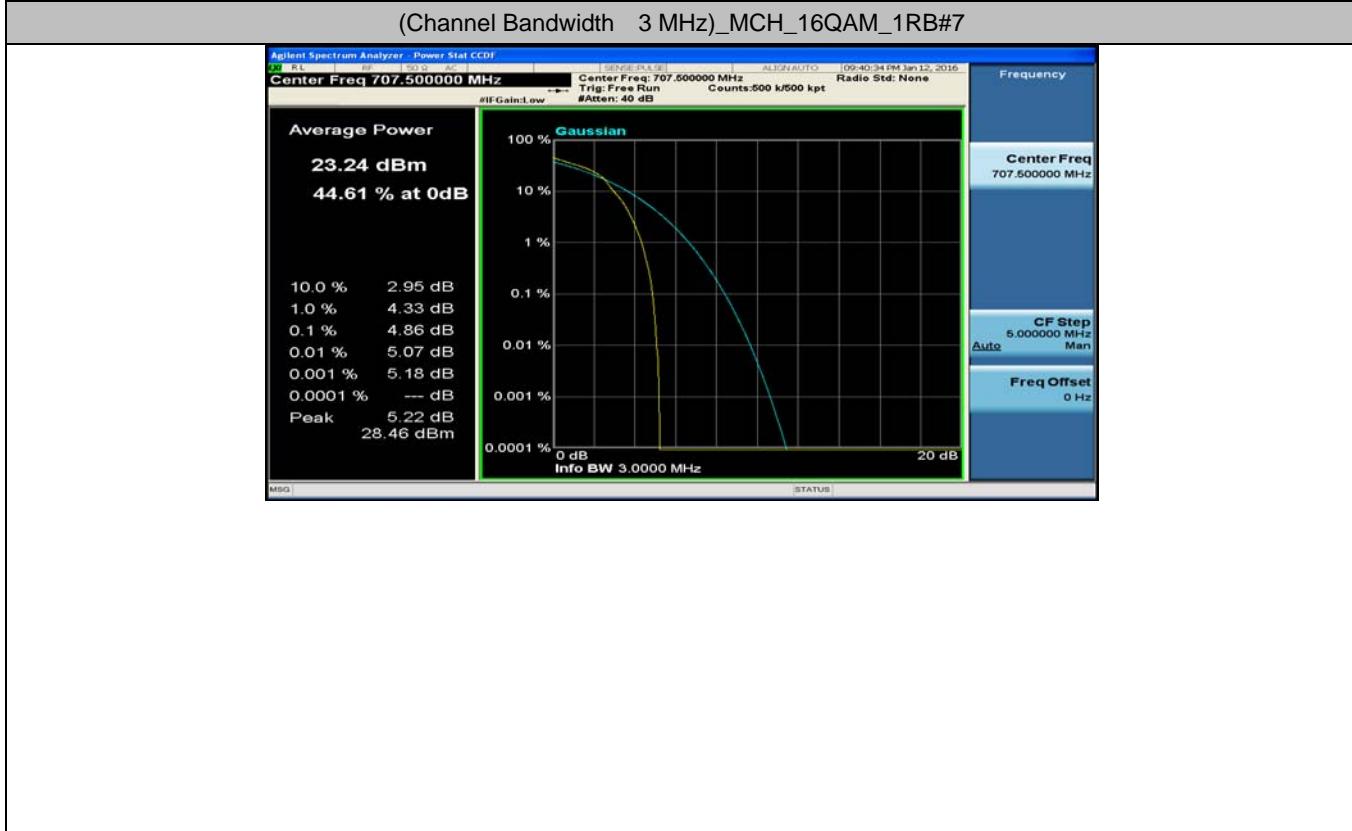
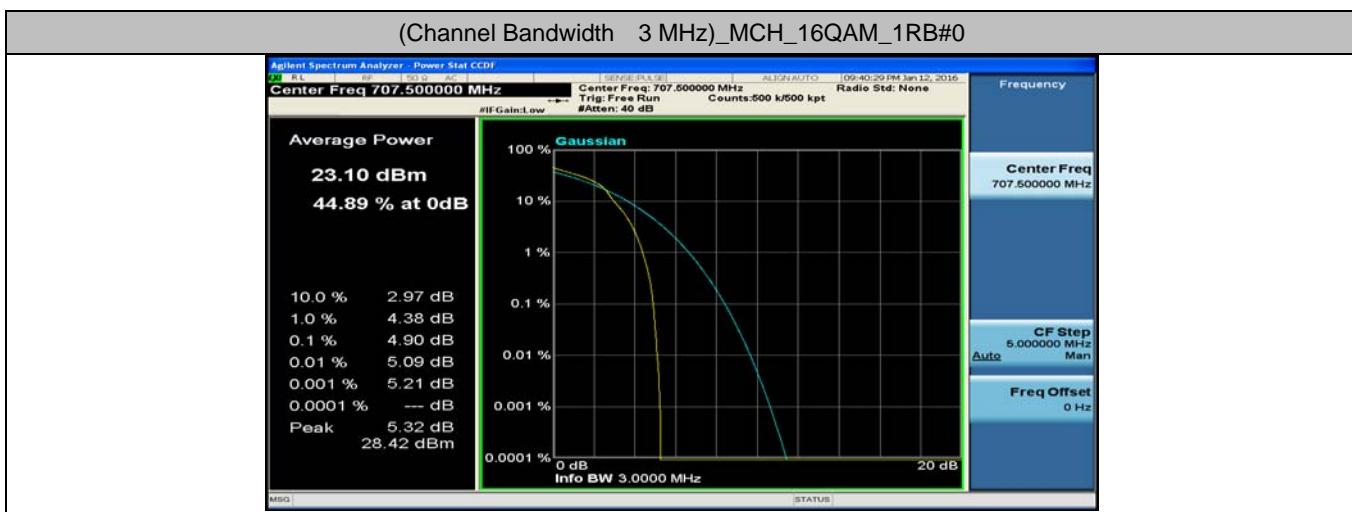


(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#4



(Channel Bandwidth 3 MHz)_LCH_16QAM_8RB#7





(Channel Bandwidth 3 MHz)_MCH_16QAM_1RB#14



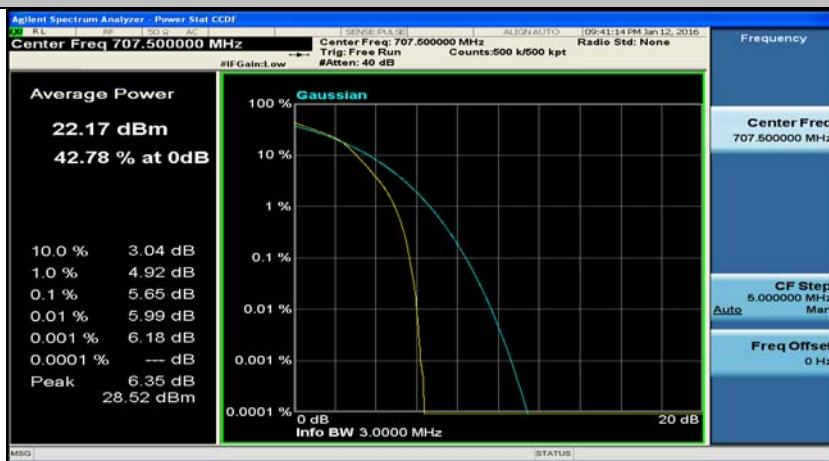
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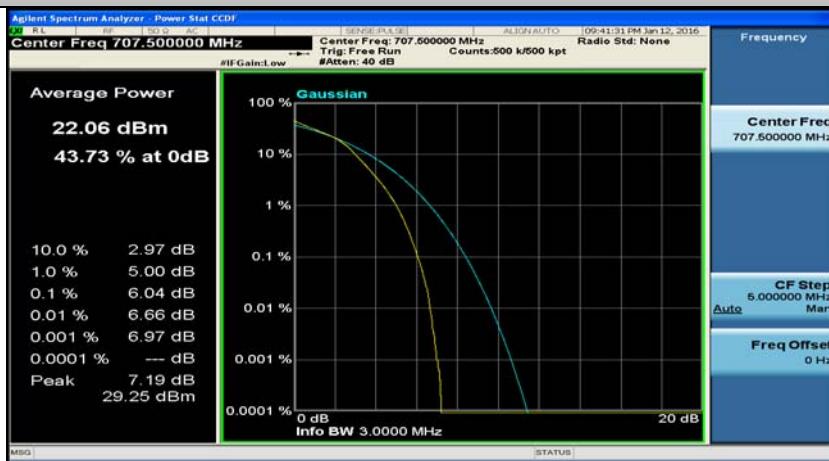
(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth 3 MHz)_MCH_16QAM_8RB#7



(Channel Bandwidth 3 MHz)_MCH_16QAM_15RB#0



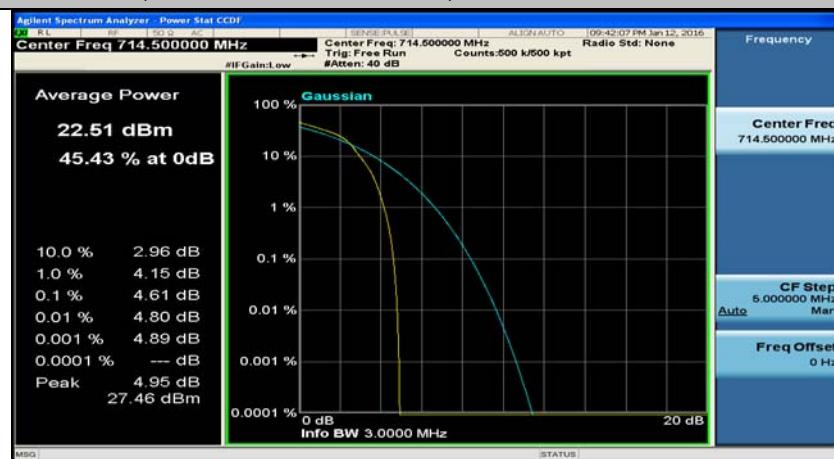
(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth 3 MHz)_HCH_16QAM_1RB#14



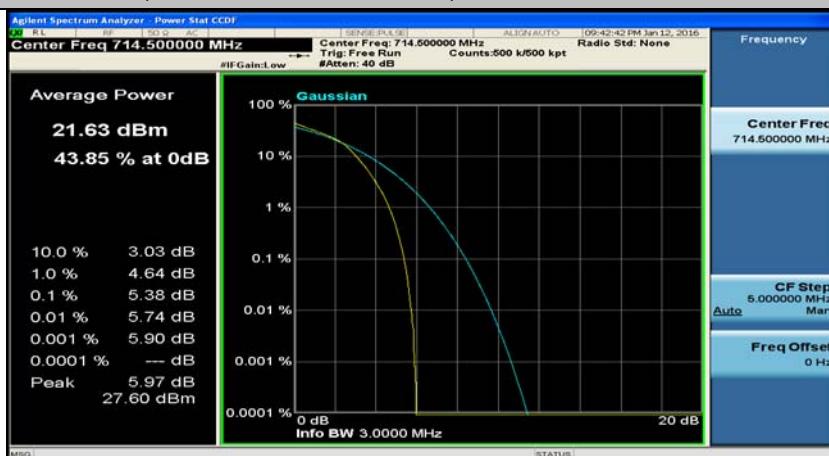
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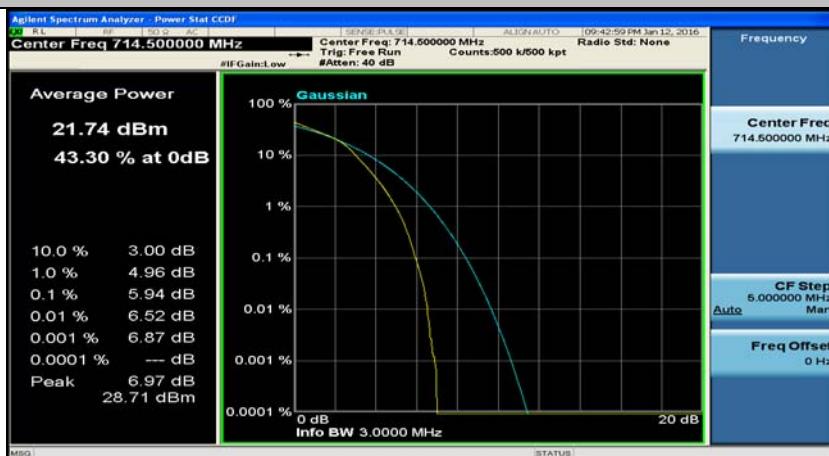
(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth 3 MHz)_HCH_16QAM_15RB#0



(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0



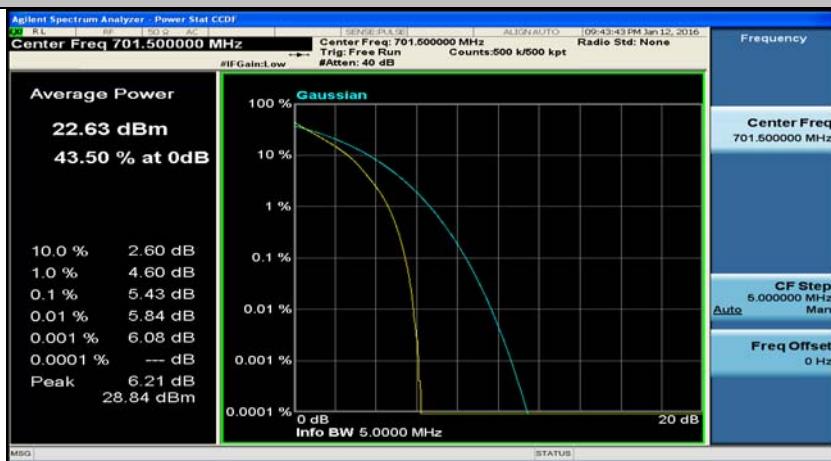
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24



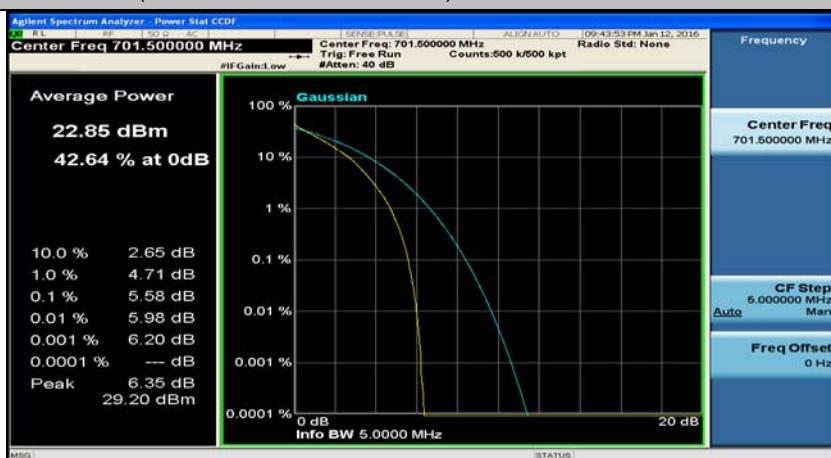
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#0

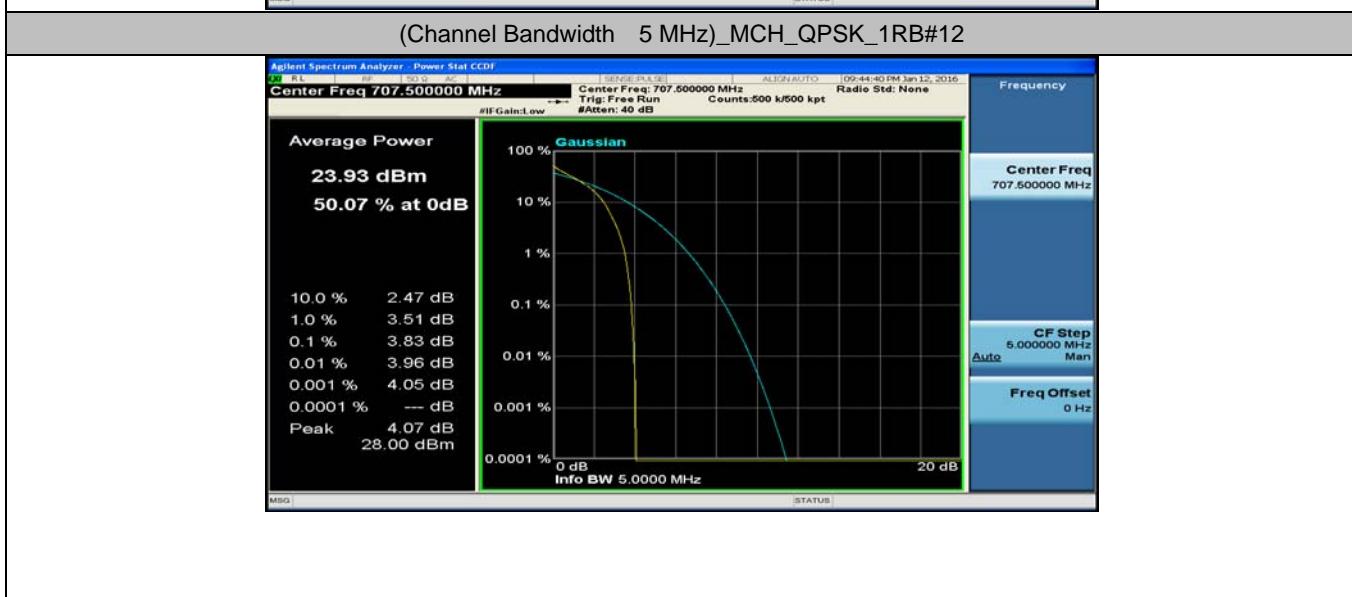
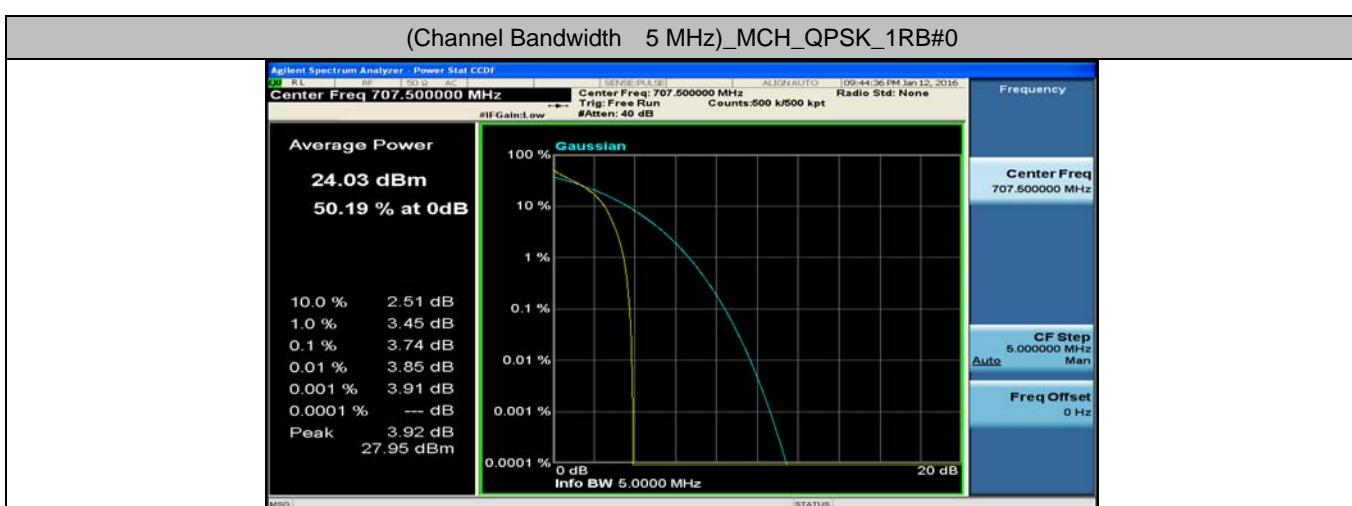
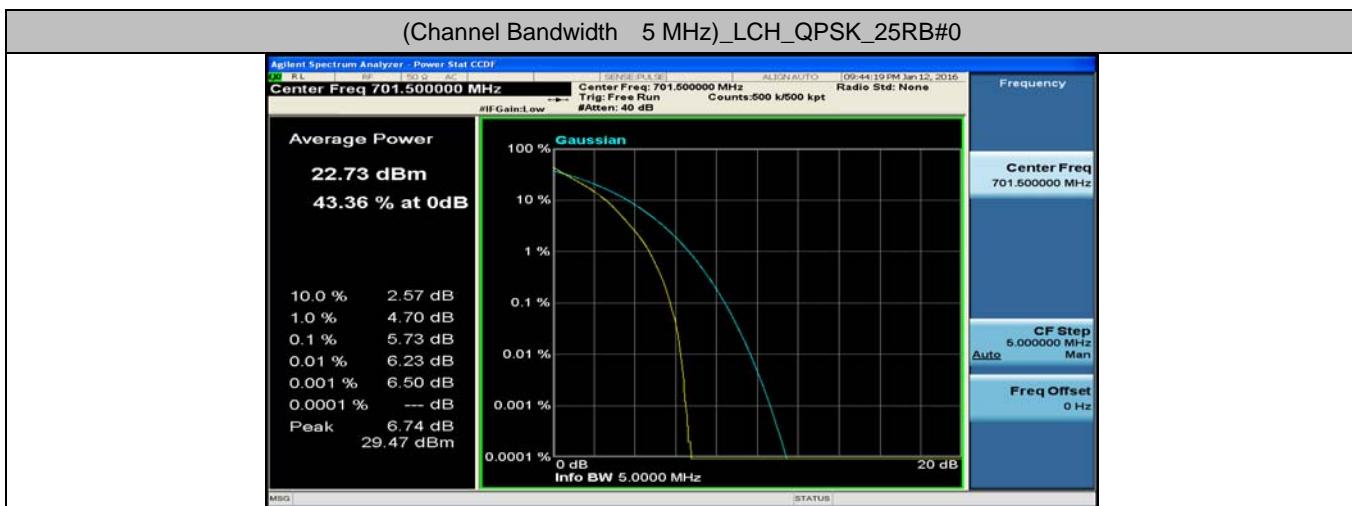


(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#13

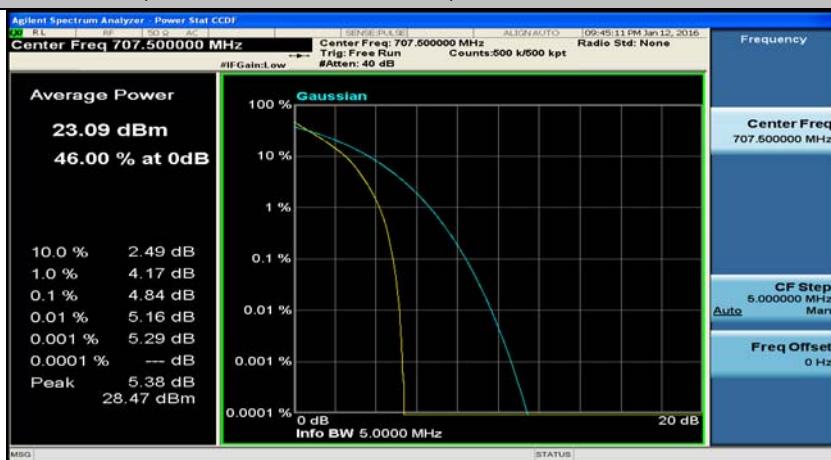




(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#0



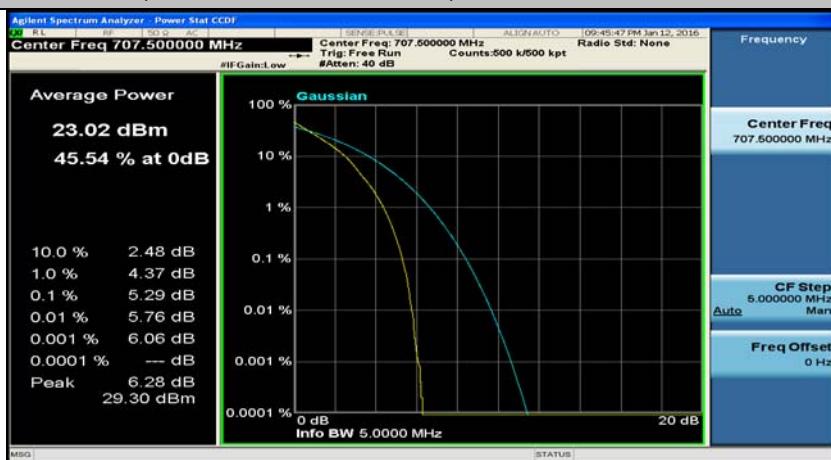
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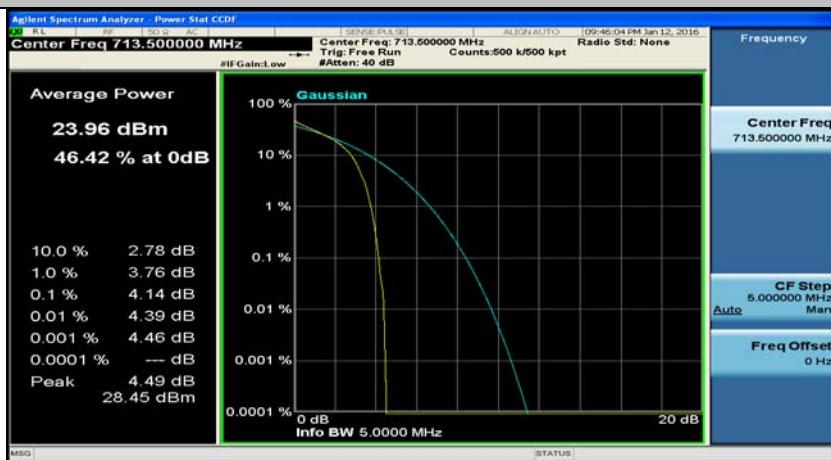
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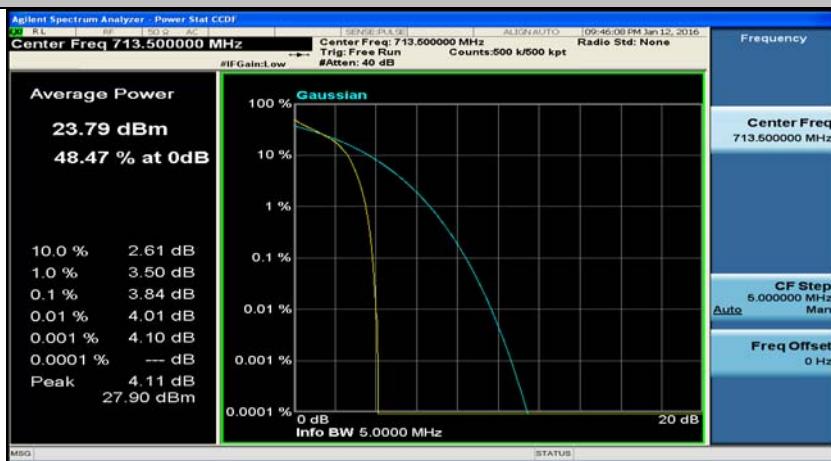
(Channel Bandwidth 5 MHz)_MCH_QPSK_25RB#0



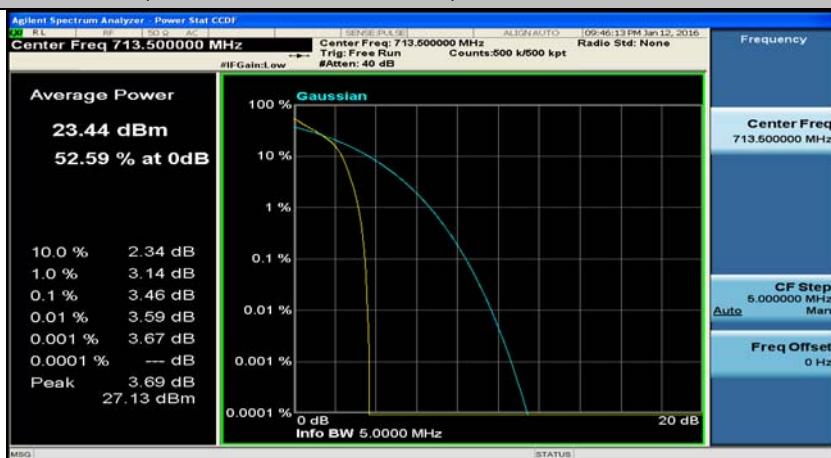
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



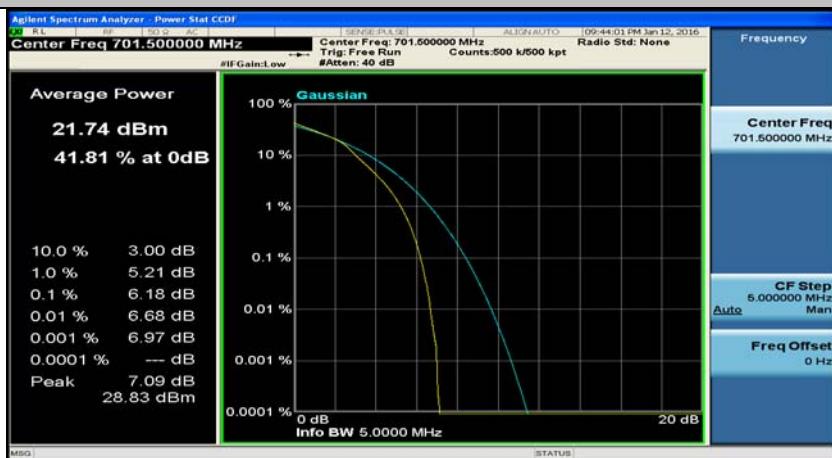
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13



