

Appendix for Band 5

Product Name: Mobile Phone
Model No: KE5k

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.27	PASS
		1	3	23.42	PASS
		1	5	23.31	PASS
		3	0	23.35	PASS
		3	2	23.38	PASS
		3	3	23.36	PASS
		6	0	22.36	PASS
	MCH	1	0	23.26	PASS
		1	3	23.33	PASS
		1	5	23.24	PASS
		3	0	23.31	PASS
		3	2	23.3	PASS
		3	3	23.33	PASS
		6	0	22.33	PASS
	HCH	1	0	23.18	PASS
		1	3	23.28	PASS
		1	5	23.15	PASS
		3	0	23.18	PASS
		3	2	23.21	PASS
		3	3	23.18	PASS
		6	0	22.35	PASS
16QAM	LCH	1	0	22.58	PASS
		1	3	22.74	PASS
		1	5	22.61	PASS
		3	0	22.5	PASS
		3	2	22.51	PASS
		3	3	22.52	PASS
		6	0	21.34	PASS
	MCH	1	0	22.58	PASS
		1	3	22.72	PASS
		1	5	22.58	PASS
		3	0	22.29	PASS
		3	2	22.32	PASS

		3	3	22.3	PASS
		6	0	21.28	PASS
	HCH	1	0	22.28	PASS
		1	3	22.53	PASS
		1	5	22.28	PASS
		3	0	22.21	PASS
		3	2	22.21	PASS
		3	3	22.21	PASS
		6	0	21.34	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.36	PASS
		1	7	23.54	PASS
		1	14	23.34	PASS
		8	0	22.40	PASS
		8	4	22.44	PASS
		8	7	22.40	PASS
		15	0	22.37	PASS
	MCH	1	0	23.34	PASS
		1	7	23.53	PASS
		1	14	23.31	PASS
		8	0	22.39	PASS
		8	4	22.42	PASS
		8	7	22.36	PASS
		15	0	22.33	PASS
	HCH	1	0	23.30	PASS
		1	7	23.46	PASS
		1	14	23.22	PASS
		8	0	22.34	PASS
		8	4	22.30	PASS
		8	7	22.26	PASS
		15	0	22.24	PASS
16QAM	LCH	1	0	22.69	PASS
		1	7	22.84	PASS
		1	14	22.65	PASS
		8	0	21.44	PASS
		8	4	21.49	PASS
		8	7	21.45	PASS
		15	0	21.32	PASS

	MCH	1	0	22.64	PASS
		1	7	22.87	PASS
		1	14	22.72	PASS
		8	0	21.36	PASS
		8	4	21.38	PASS
		8	7	21.35	PASS
		15	0	21.30	PASS
	HCH	1	0	22.51	PASS
		1	7	22.56	PASS
		1	14	22.33	PASS
		8	0	21.21	PASS
		8	4	21.25	PASS
		8	7	21.14	PASS
		15	0	21.18	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.39	PASS
		1	12	23.63	PASS
		1	24	23.38	PASS
		12	0	22.59	PASS
		12	6	22.54	PASS
		12	13	22.55	PASS
		25	0	22.41	PASS
	MCH	1	0	23.36	PASS
		1	12	23.57	PASS
		1	24	23.32	PASS
		12	0	22.69	PASS
		12	6	22.64	PASS
		12	13	22.65	PASS
		25	0	22.39	PASS
	HCH	1	0	23.41	PASS
		1	12	23.62	PASS
		1	24	23.32	PASS
		12	0	22.68	PASS
		12	6	22.64	PASS
		12	13	22.65	PASS
		25	0	22.28	PASS
16QAM	LCH	1	0	22.68	PASS
		1	12	22.91	PASS

		1	24	22.62	PASS
		12	0	21.53	PASS
		12	6	21.5	PASS
		12	13	21.68	PASS
		25	0	21.41	PASS
	MCH	1	0	22.54	PASS
		1	12	22.77	PASS
		1	24	22.57	PASS
		12	0	21.56	PASS
		12	6	21.52	PASS
		12	13	21.64	PASS
		25	0	21.4	PASS
	HCH	1	0	22.57	PASS
		1	12	22.67	PASS
		1	24	22.37	PASS
		12	0	21.55	PASS
		12	6	21.63	PASS
		12	13	21.66	PASS
		25	0	21.27	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.34	PASS
		1	24	23.41	PASS
		1	49	23.31	PASS
		25	0	22.43	PASS
		25	12	22.39	PASS
		25	25	22.46	PASS
		50	0	22.38	PASS
	MCH	1	0	23.67	PASS
		1	24	23.42	PASS
		1	49	23.29	PASS
		25	0	22.45	PASS
		25	12	22.35	PASS
		25	25	22.42	PASS
		50	0	22.38	PASS
	HCH	1	0	23.42	PASS
		1	24	23.45	PASS
		1	49	23.24	PASS
		25	0	22.45	PASS

		25	12	22.40	PASS
		25	25	22.34	PASS
		50	0	22.35	PASS
16QAM	LCH	1	0	22.66	PASS
		1	24	22.69	PASS
		1	49	22.55	PASS
		25	0	21.45	PASS
		25	12	21.40	PASS
		25	25	21.46	PASS
		50	0	21.38	PASS
	MCH	1	0	22.70	PASS
		1	24	22.77	PASS
		1	49	22.72	PASS
		25	0	21.46	PASS
		25	12	21.37	PASS
		25	25	21.46	PASS
		50	0	21.44	PASS
	HCH	1	0	22.69	PASS
		1	24	22.72	PASS
		1	49	22.36	PASS
		25	0	21.50	PASS
		25	12	21.40	PASS
		25	25	21.30	PASS
		50	0	21.42	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.38	<13	PASS
		1	3	4.38	<13	PASS
		1	5	4.5	<13	PASS
		3	0	4.64	<13	PASS
		3	2	4.72	<13	PASS
		3	3	4.67	<13	PASS
		6	0	5.13	<13	PASS
	MCH	1	0	3.68	<13	PASS
		1	3	3.66	<13	PASS
		1	5	3.71	<13	PASS
		3	0	4.04	<13	PASS
		3	2	4.03	<13	PASS
		3	3	4.11	<13	PASS
		6	0	4.66	<13	PASS
	HCH	1	0	3.65	<13	PASS
		1	3	3.51	<13	PASS
		1	5	3.55	<13	PASS
		3	0	4.03	<13	PASS
		3	2	3.91	<13	PASS
		3	3	3.92	<13	PASS
		6	0	4.5	<13	PASS
16QAM	LCH	1	0	5.21	<13	PASS
		1	3	5.26	<13	PASS
		1	5	5.29	<13	PASS
		3	0	5.73	<13	PASS
		3	2	5.71	<13	PASS
		3	3	5.85	<13	PASS
		6	0	6.13	<13	PASS
	MCH	1	0	4.65	<13	PASS
		1	3	4.65	<13	PASS
		1	5	4.78	<13	PASS

		3	0	5.05	<13	PASS
		3	2	5.04	<13	PASS
		3	3	5.1	<13	PASS
		6	0	5.57	<13	PASS
	HCH	1	0	4.63	<13	PASS
		1	3	4.58	<13	PASS
		1	5	4.47	<13	PASS
		3	0	4.83	<13	PASS
		3	2	4.8	<13	PASS
		3	3	4.79	<13	PASS
		6	0	5.45	<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	4.29	<13	PASS
		1	7	4.29	<13	PASS
		1	14	4.41	<13	PASS
		8	0	5.19	<13	PASS
		8	4	5.15	<13	PASS
		8	7	5.25	<13	PASS
		15	0	5.22	<13	PASS
	MCH	1	0	3.55	<13	PASS
		1	7	3.58	<13	PASS
		1	14	3.64	<13	PASS
		8	0	4.68	<13	PASS
		8	4	4.68	<13	PASS
		8	7	4.74	<13	PASS
		15	0	4.79	<13	PASS
	HCH	1	0	3.9	<13	PASS
		1	7	3.64	<13	PASS
		1	14	3.46	<13	PASS
		8	0	4.78	<13	PASS
		8	4	4.64	<13	PASS
		8	7	4.62	<13	PASS
		15	0	4.6	<13	PASS
16QAM	LCH	1	0	5.12	<13	PASS
		1	7	5.4	<13	PASS
		1	14	5.13	<13	PASS
		8	0	5.9	<13	PASS

		8	4	5.96	<13	PASS
		8	7	5.89	<13	PASS
		15	0	6.14	<13	PASS
	MCH	1	0	4.6	<13	PASS
		1	7	4.5	<13	PASS
		1	14	4.64	<13	PASS
		8	0	5.4	<13	PASS
		8	4	5.51	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.62	<13	PASS
	HCH	1	0	4.86	<13	PASS
		1	7	4.59	<13	PASS
		1	14	4.41	<13	PASS
		8	0	5.83	<13	PASS
		8	4	5.64	<13	PASS
		8	7	5.63	<13	PASS
		15	0	5.55	<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	4.48	<13	PASS
		1	12	4.58	<13	PASS
		1	24	4.65	<13	PASS
		12	0	5.28	<13	PASS
		12	6	5.35	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.34	<13	PASS
	MCH	1	0	3.79	<13	PASS
		1	12	3.63	<13	PASS
		1	24	3.98	<13	PASS
		12	0	4.7	<13	PASS
		12	6	4.7	<13	PASS
		12	13	4.86	<13	PASS
		25	0	4.83	<13	PASS
	HCH	1	0	4.05	<13	PASS
		1	12	3.75	<13	PASS
		1	24	3.51	<13	PASS
		12	0	5.05	<13	PASS
		12	6	4.86	<13	PASS

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<http://www.semtest.com.cn>

		12	13	4.71	<13	PASS
		25	0	4.95	<13	PASS
16QAM	LCH	1	0	5.26	<13	PASS
		1	12	5.24	<13	PASS
		1	24	5.16	<13	PASS
		12	0	6.27	<13	PASS
		12	6	6.2	<13	PASS
		12	13	6.2	<13	PASS
		25	0	6.03	<13	PASS
	MCH	1	0	4.69	<13	PASS
		1	12	4.61	<13	PASS
		1	24	5.01	<13	PASS
		12	0	5.53	<13	PASS
		12	6	5.63	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.64	<13	PASS
	HCH	1	0	5.03	<13	PASS
		1	12	4.71	<13	PASS
		1	24	4.36	<13	PASS
		12	0	5.96	<13	PASS
		12	6	5.78	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.72	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.36	<13	PASS
		1	24	4.33	<13	PASS
		1	49	3.8	<13	PASS
		25	0	5.43	<13	PASS
		25	12	5.38	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.23	<13	PASS
	MCH	1	0	3.75	<13	PASS
		1	24	3.56	<13	PASS
		1	49	4.03	<13	PASS
		25	0	4.76	<13	PASS
		25	12	4.84	<13	PASS
		25	25	5.04	<13	PASS

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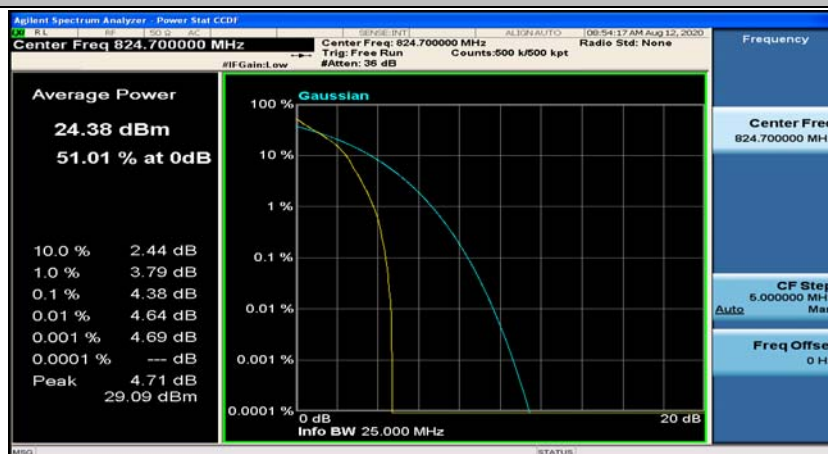
<http://www.semtest.com.cn>

		50	0	4.96	<13	PASS
	HCH	1	0	4.03	<13	PASS
		1	24	4.08	<13	PASS
		1	49	3.54	<13	PASS
		25	0	5.09	<13	PASS
		25	12	5.18	<13	PASS
		25	25	4.85	<13	PASS
		50	0	5.03	<13	PASS
16QAM	LCH	1	0	5.25	<13	PASS
		1	24	5.28	<13	PASS
		1	49	4.67	<13	PASS
		25	0	6.27	<13	PASS
		25	12	6.23	<13	PASS
		25	25	5.9	<13	PASS
		50	0	6.03	<13	PASS
	MCH	1	0	4.72	<13	PASS
		1	24	4.53	<13	PASS
		1	49	5.04	<13	PASS
		25	0	5.64	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.85	<13	PASS
		50	0	5.75	<13	PASS
	HCH	1	0	4.81	<13	PASS
		1	24	5.11	<13	PASS
		1	49	4.52	<13	PASS
		25	0	6.03	<13	PASS
		25	12	6.12	<13	PASS
		25	25	5.84	<13	PASS
		50	0	5.85	<13	PASS

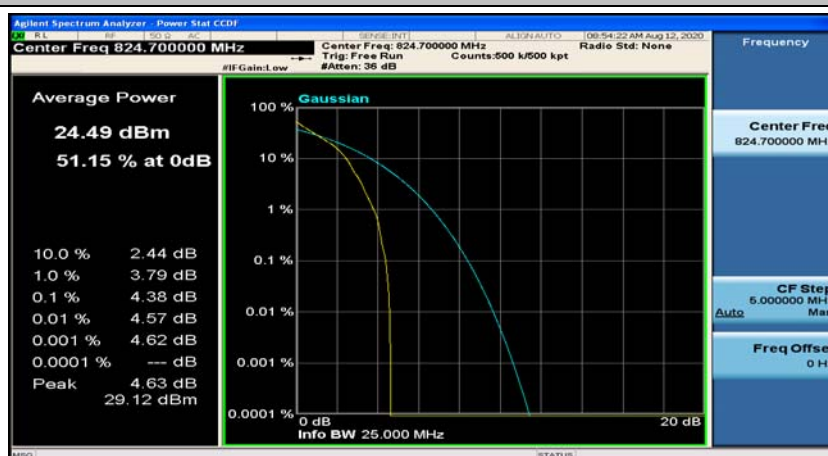
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



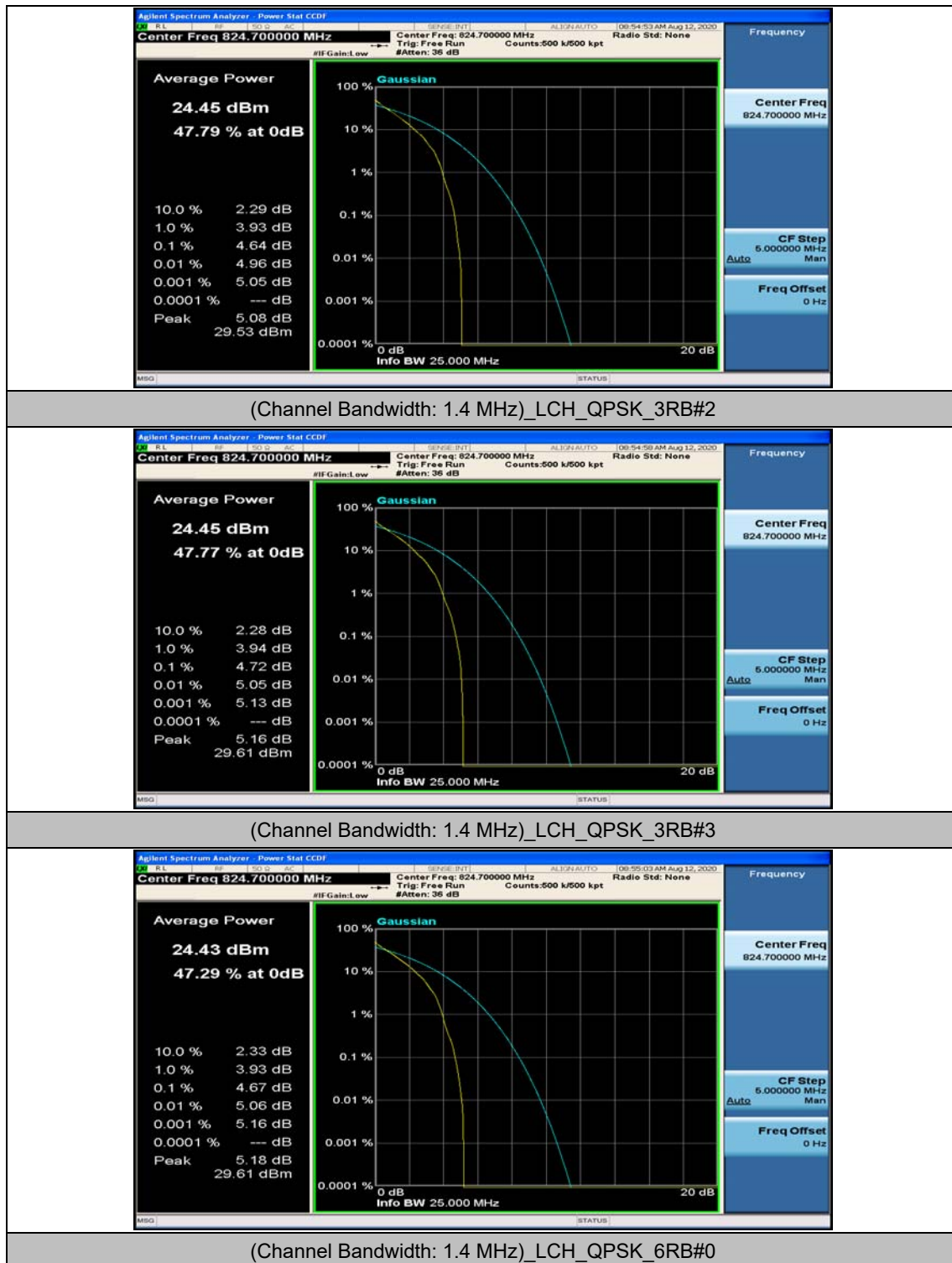
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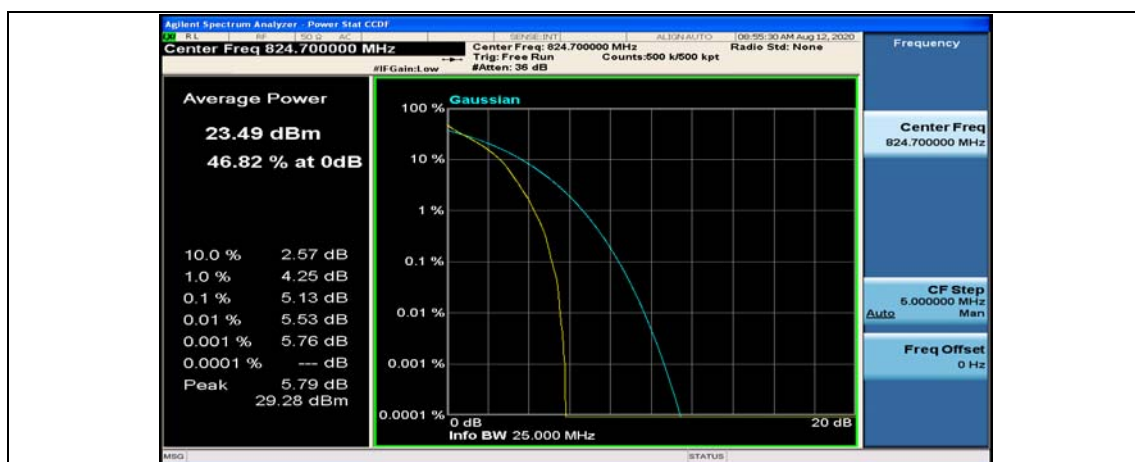


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0





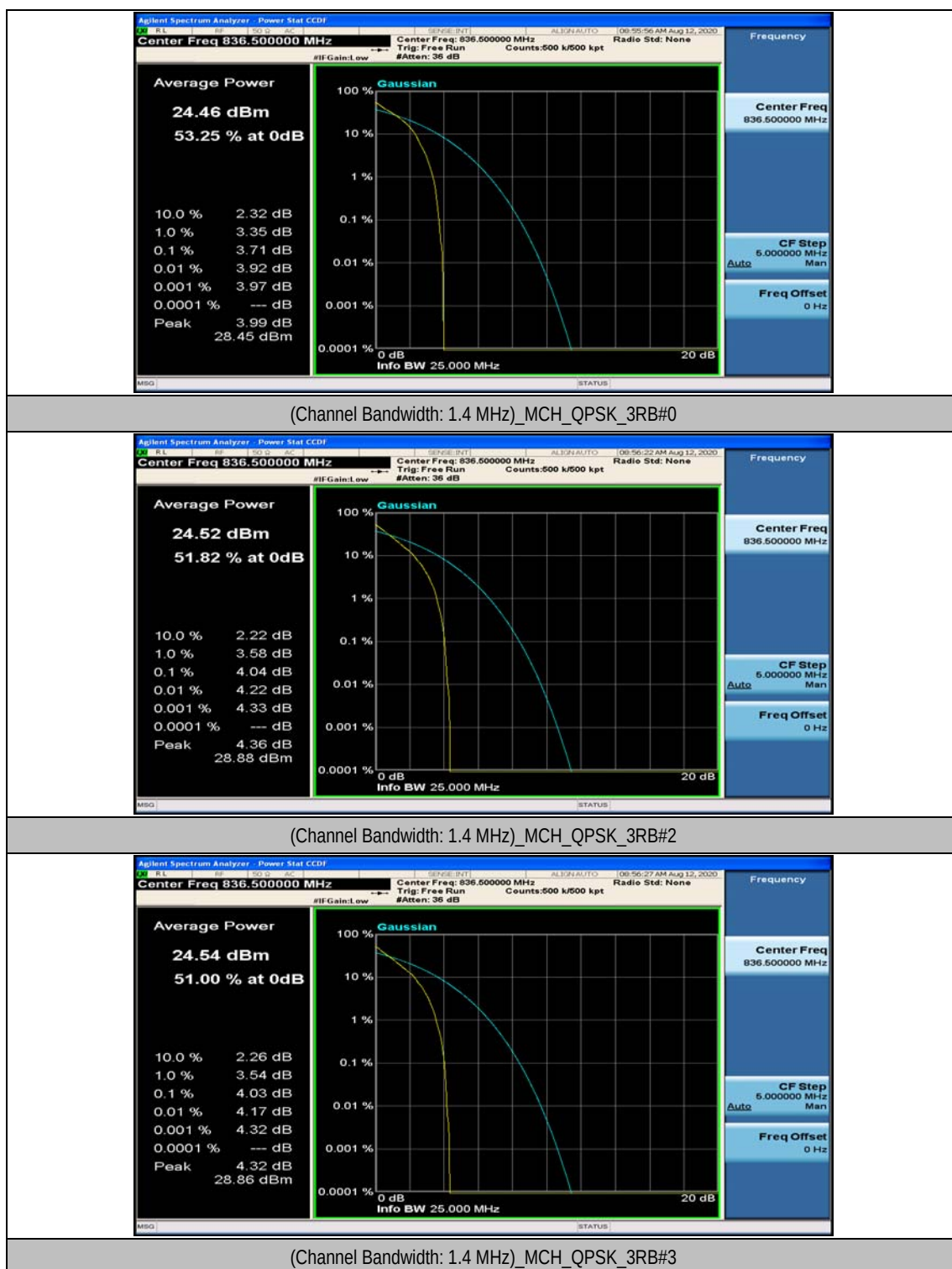
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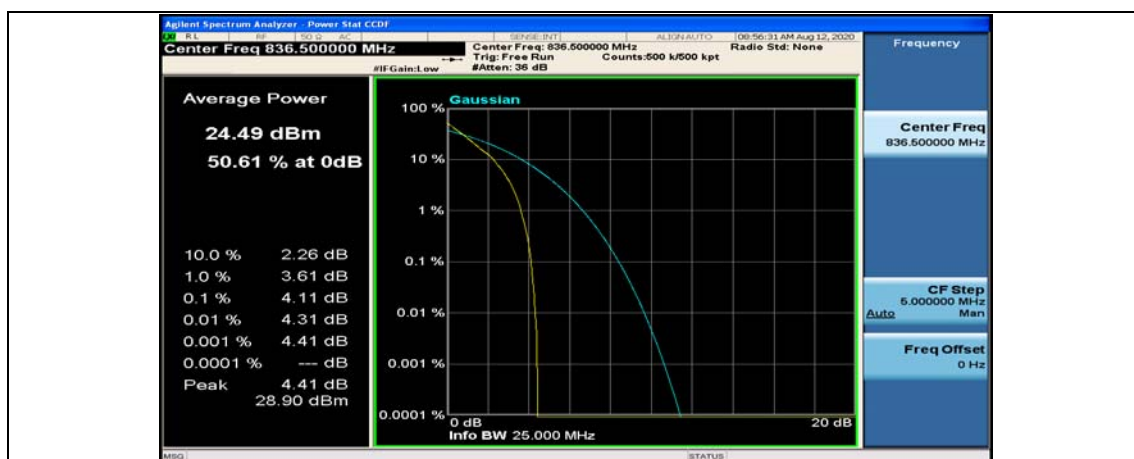


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

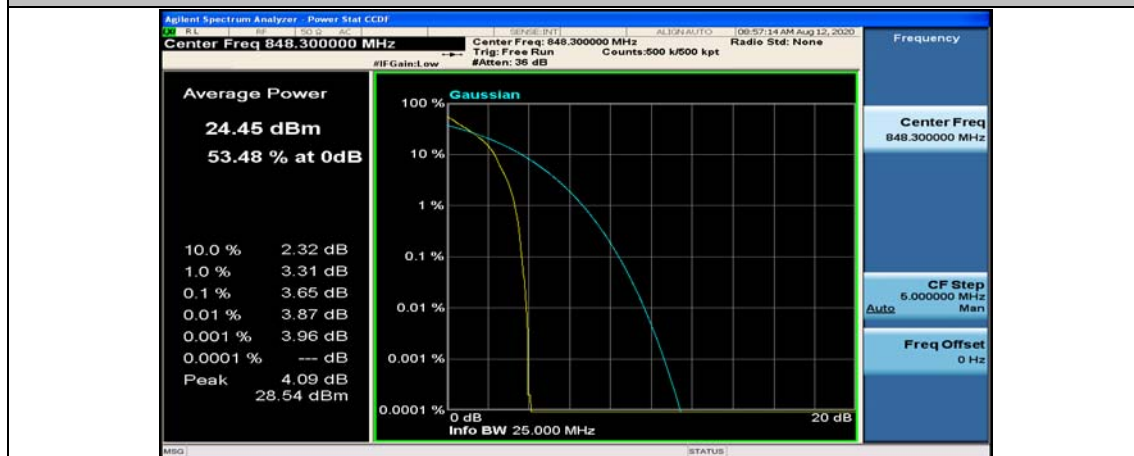




(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



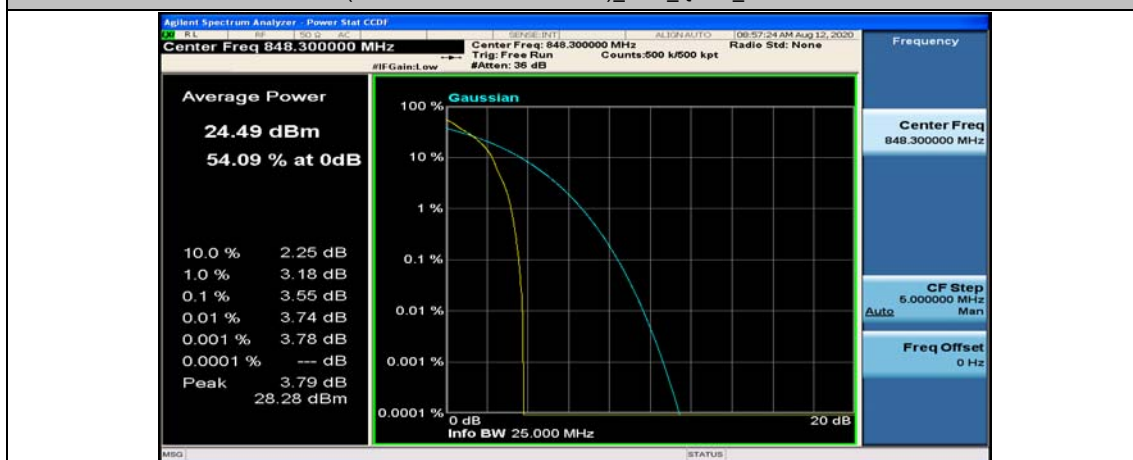
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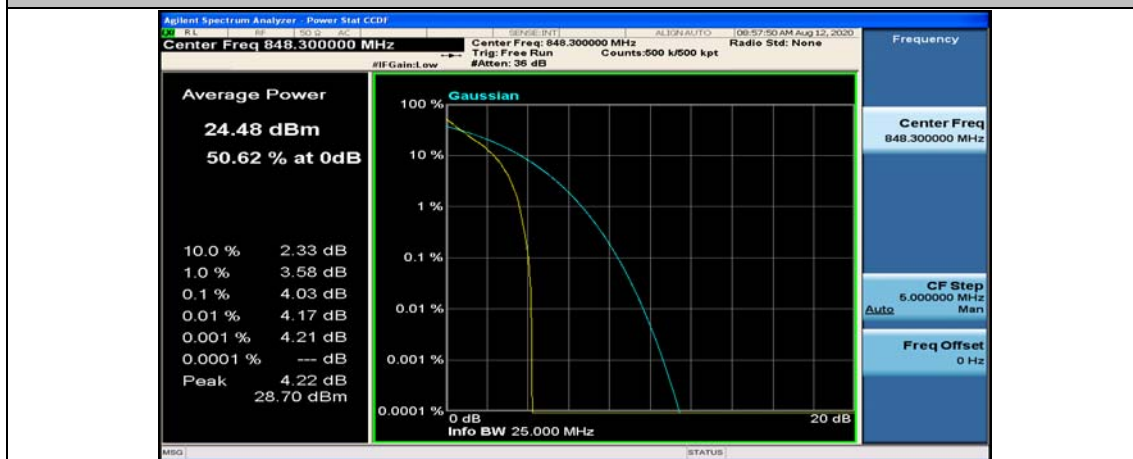
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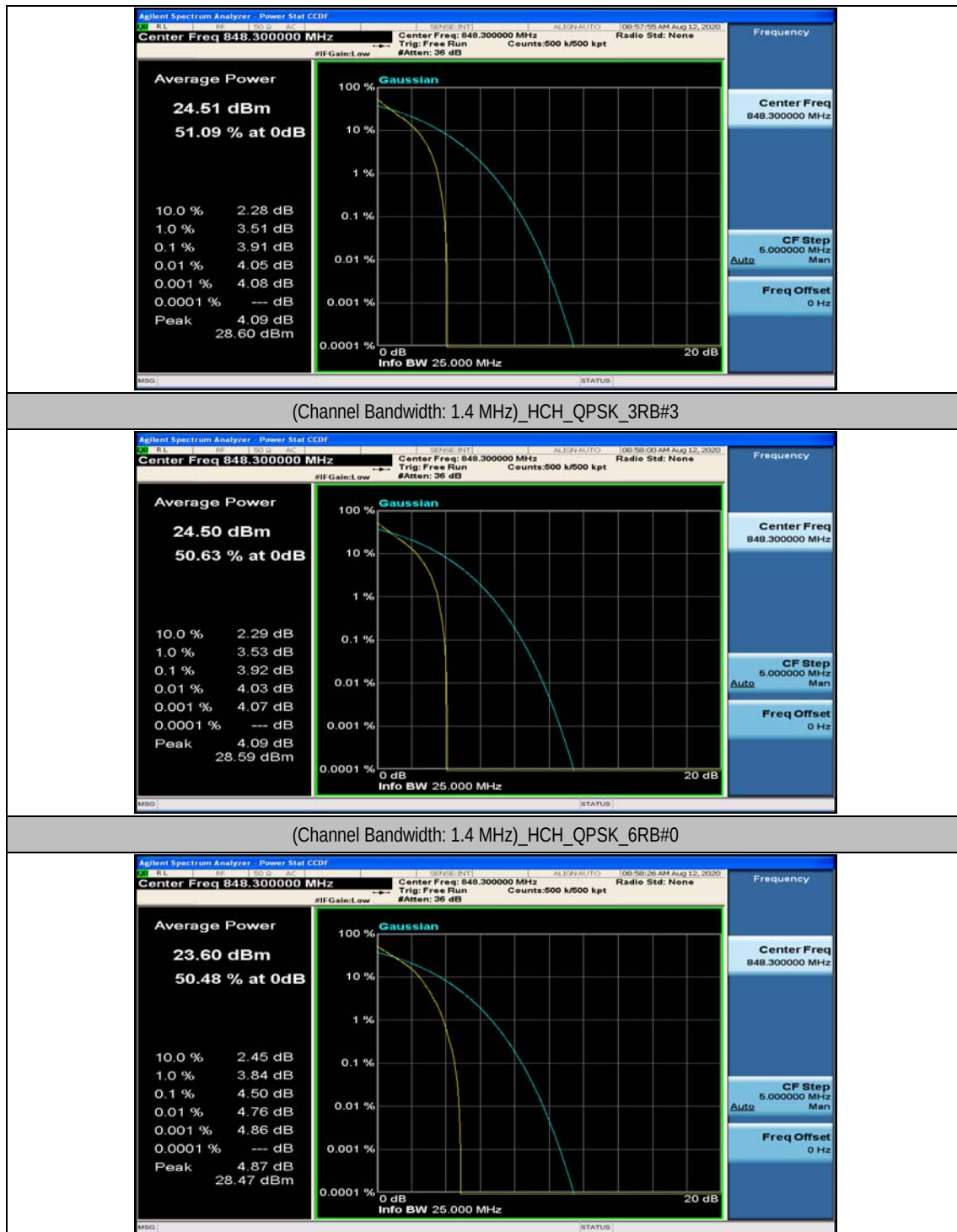
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



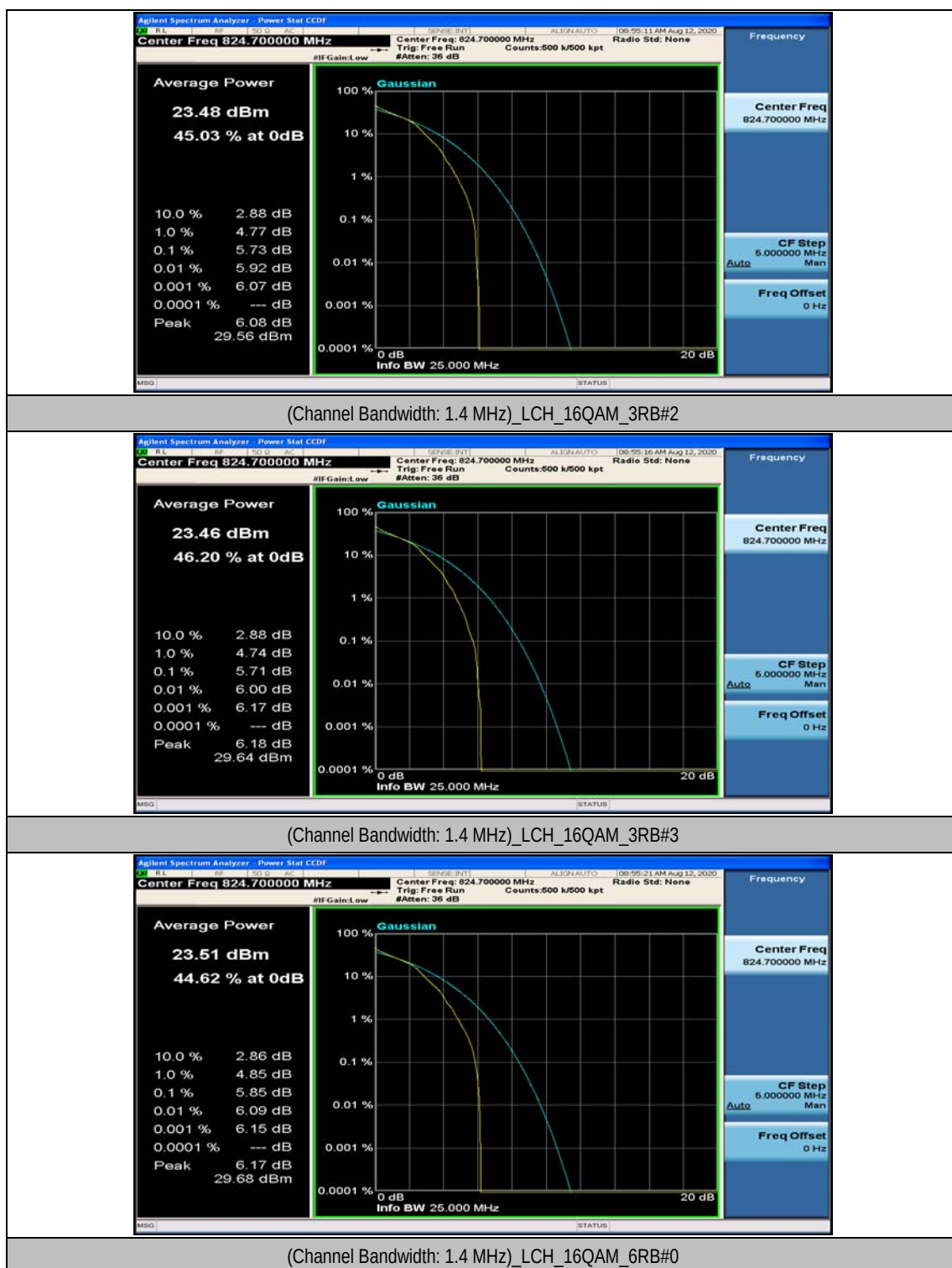
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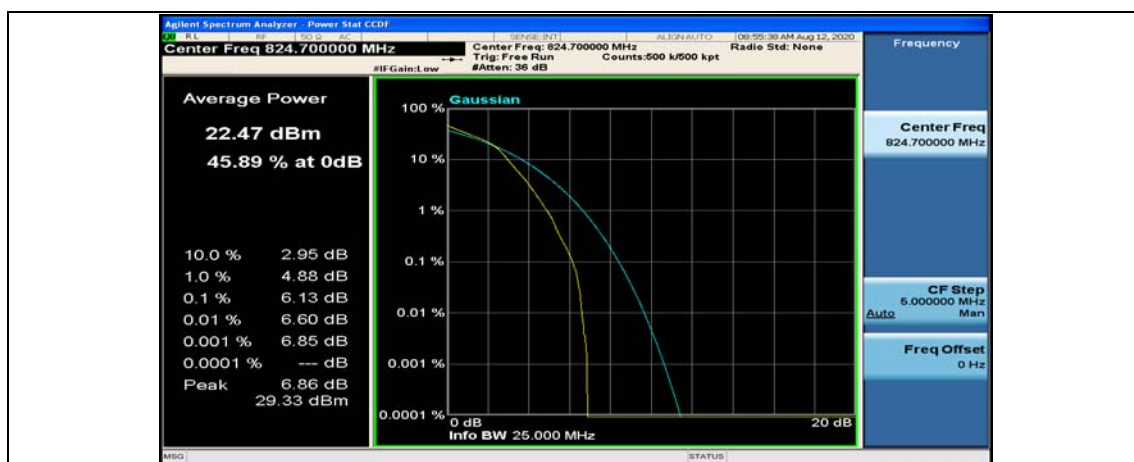


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0





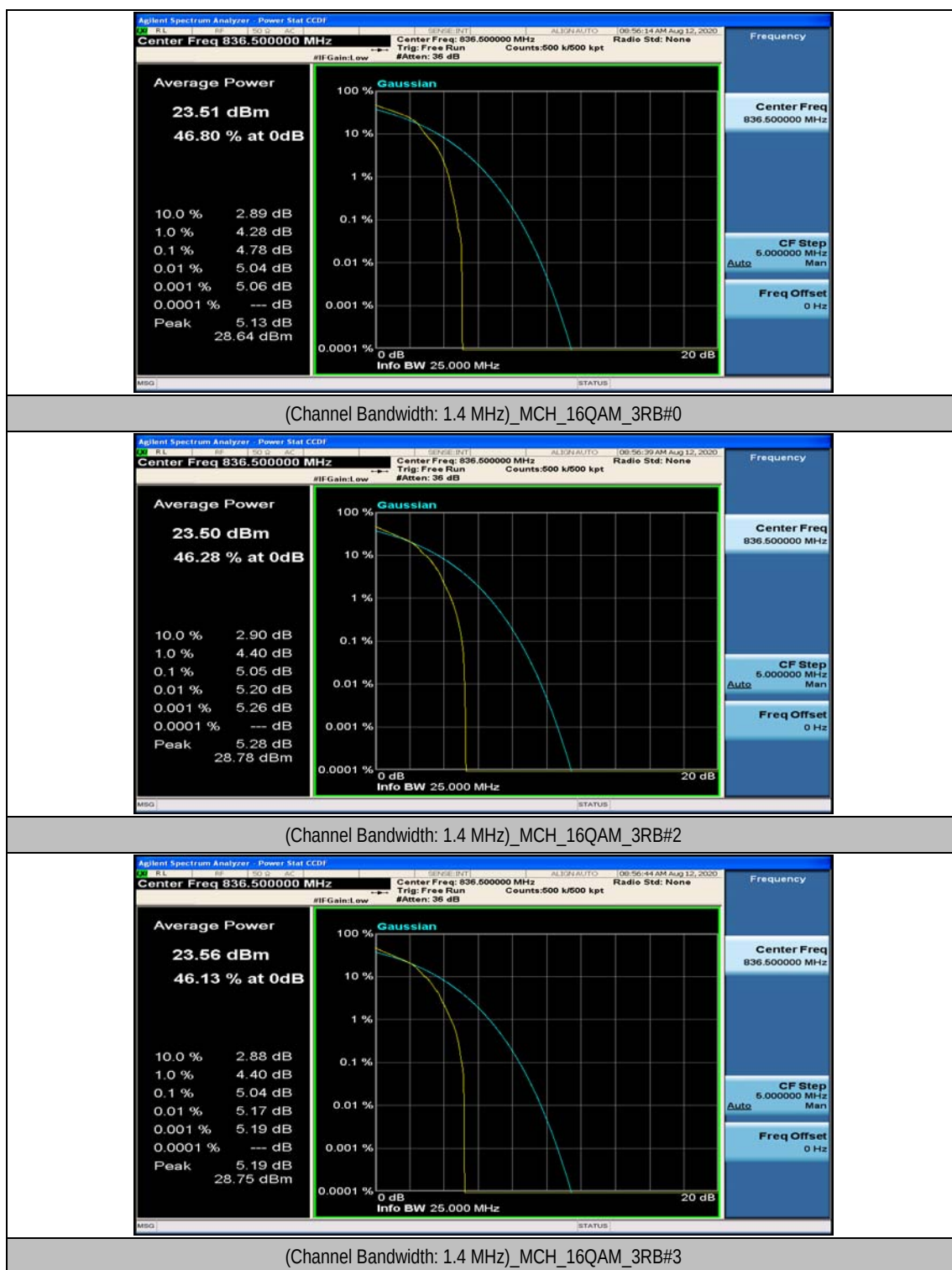
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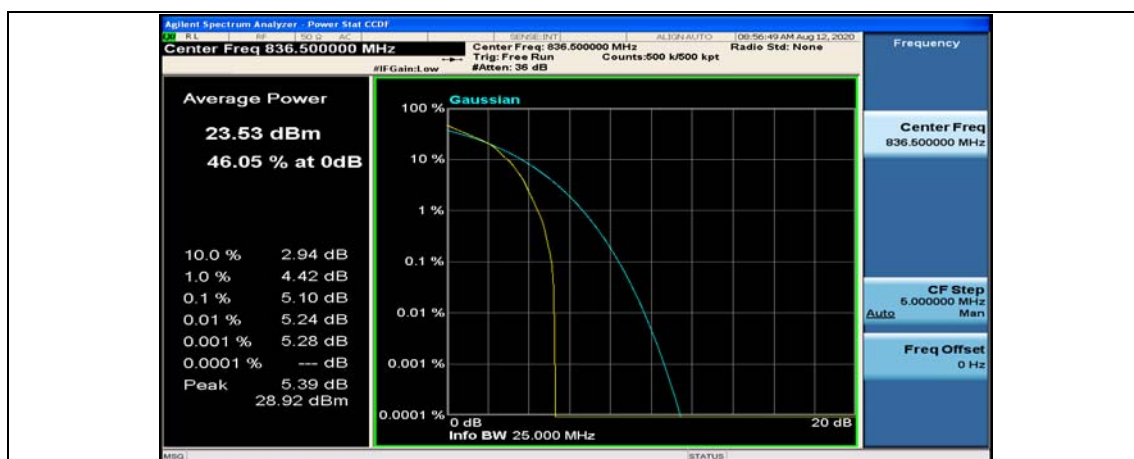


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5





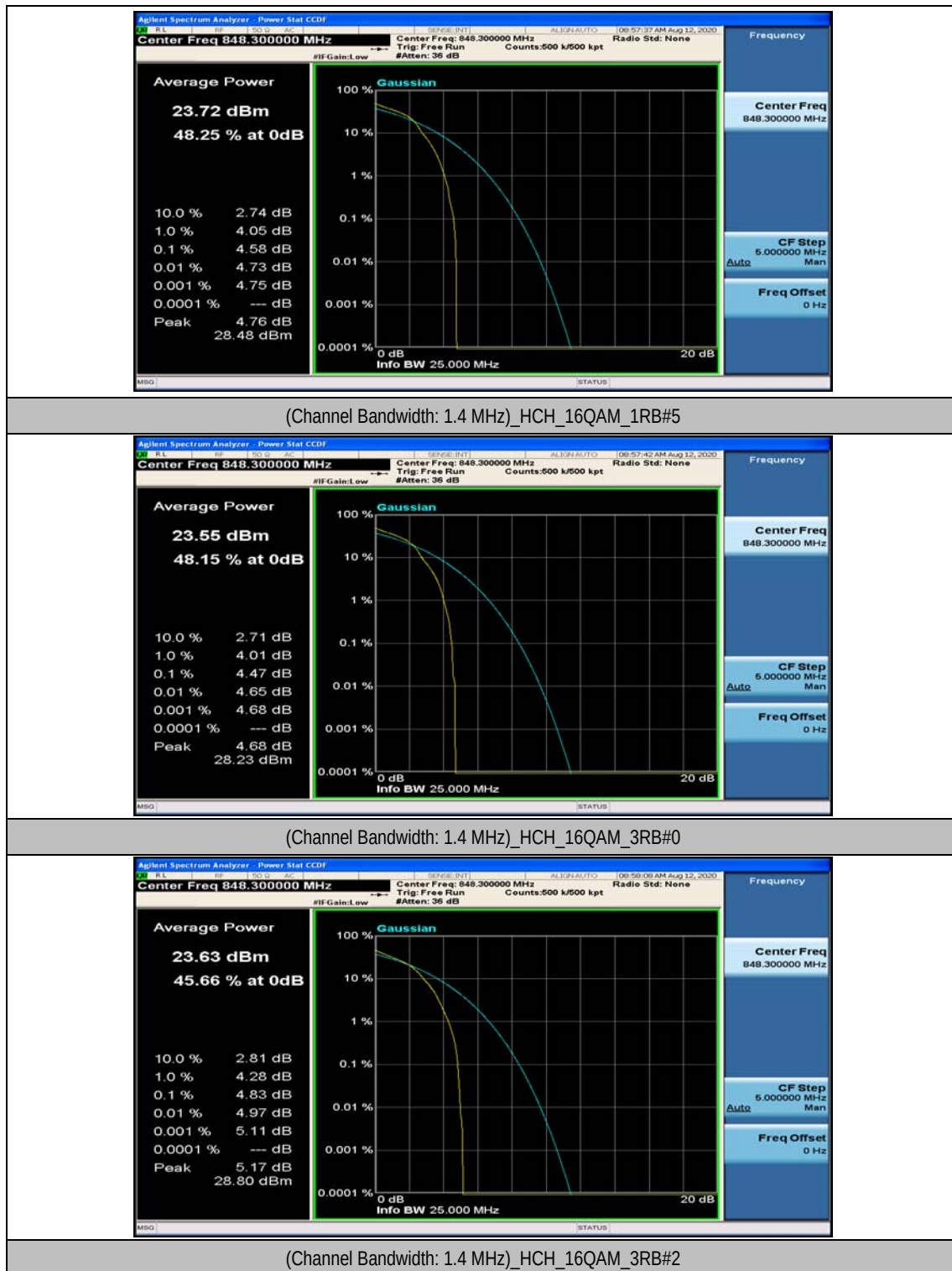
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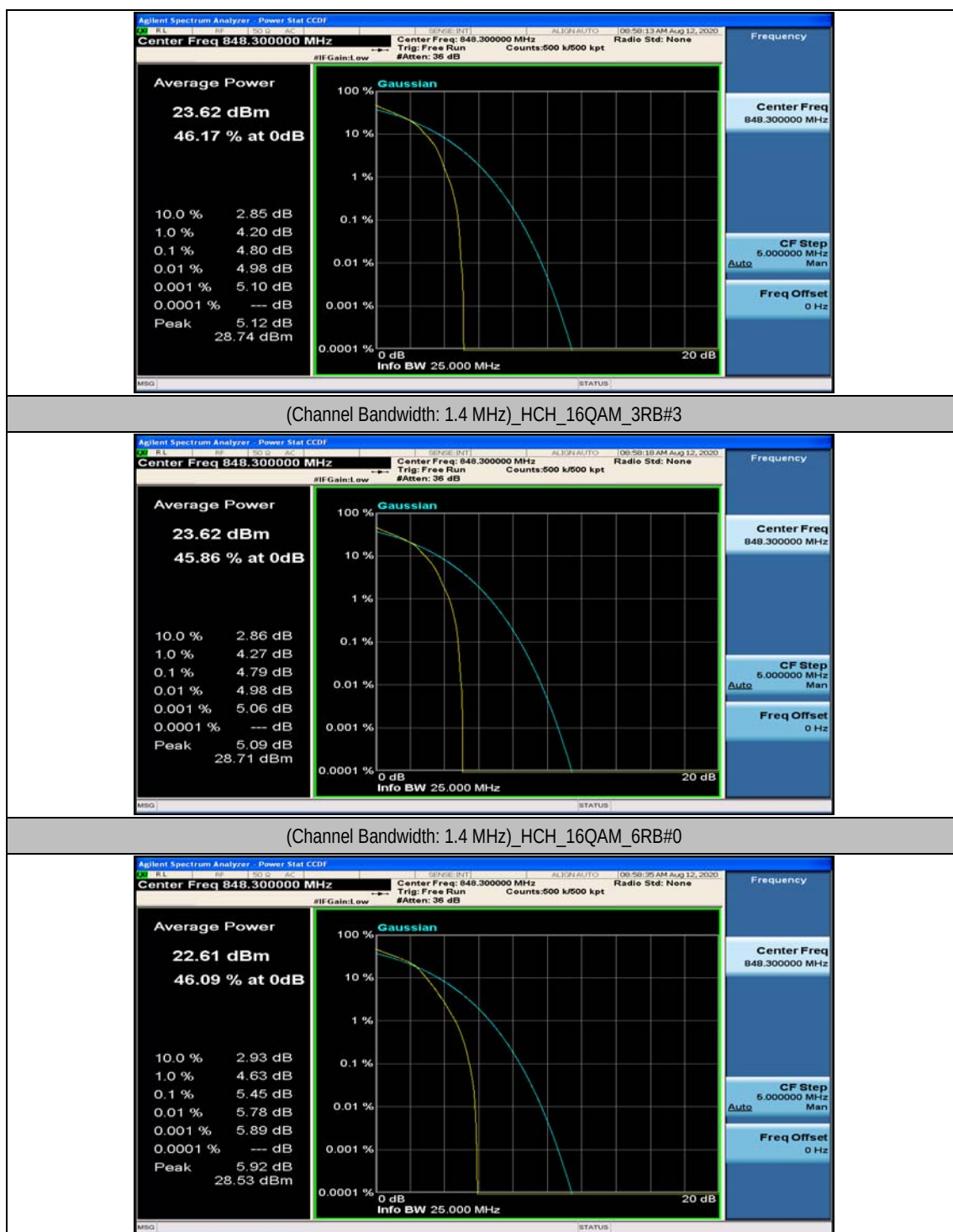


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



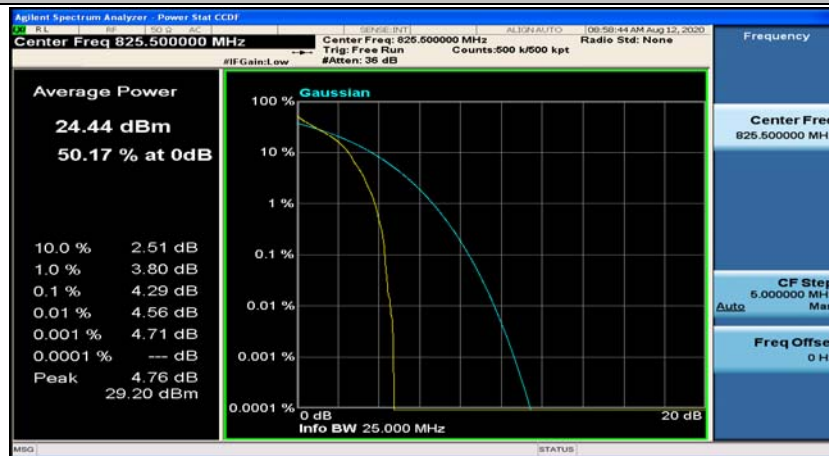
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



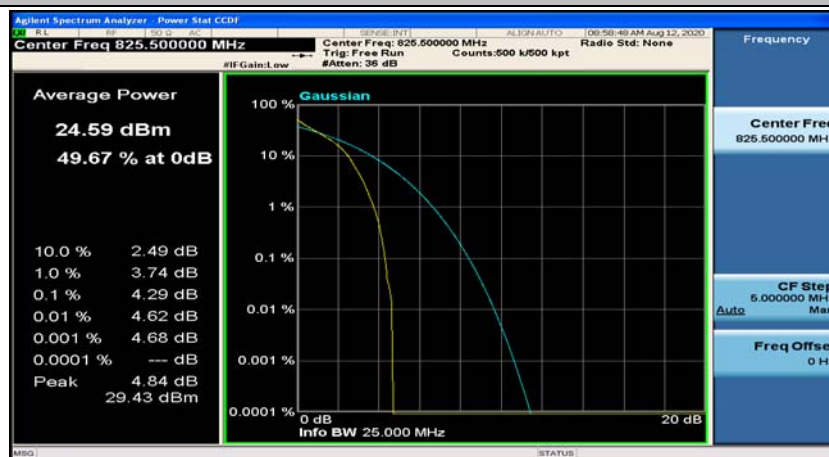


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



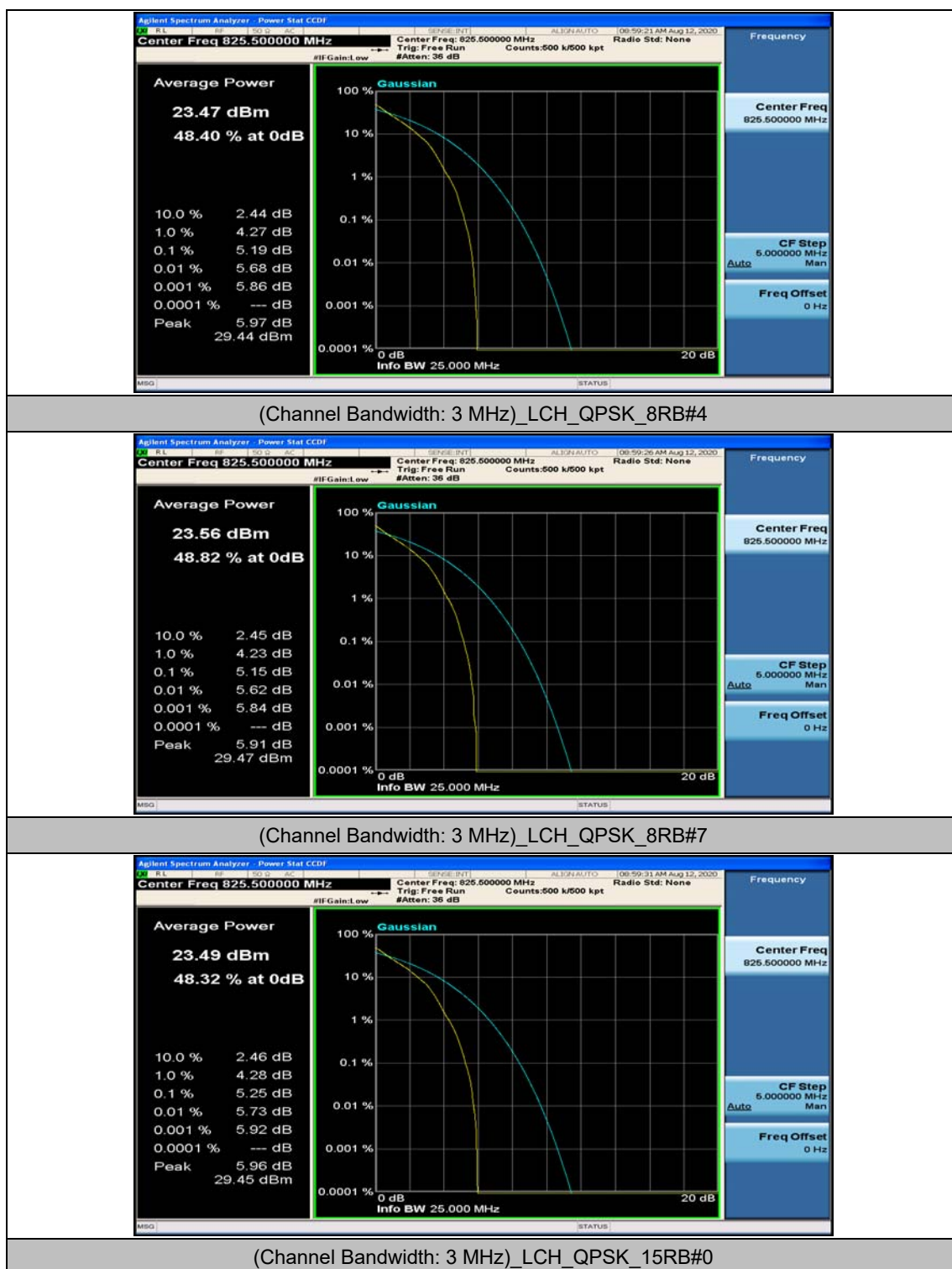
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

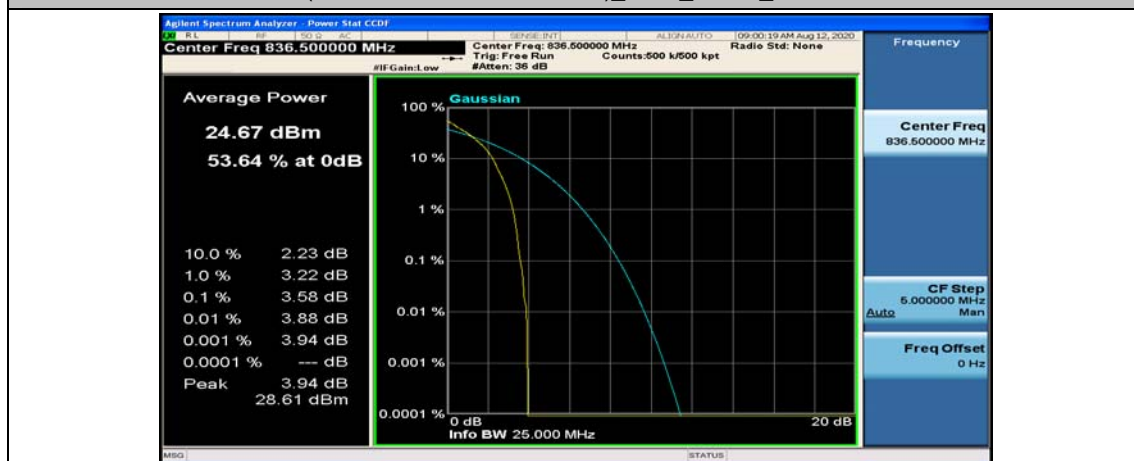




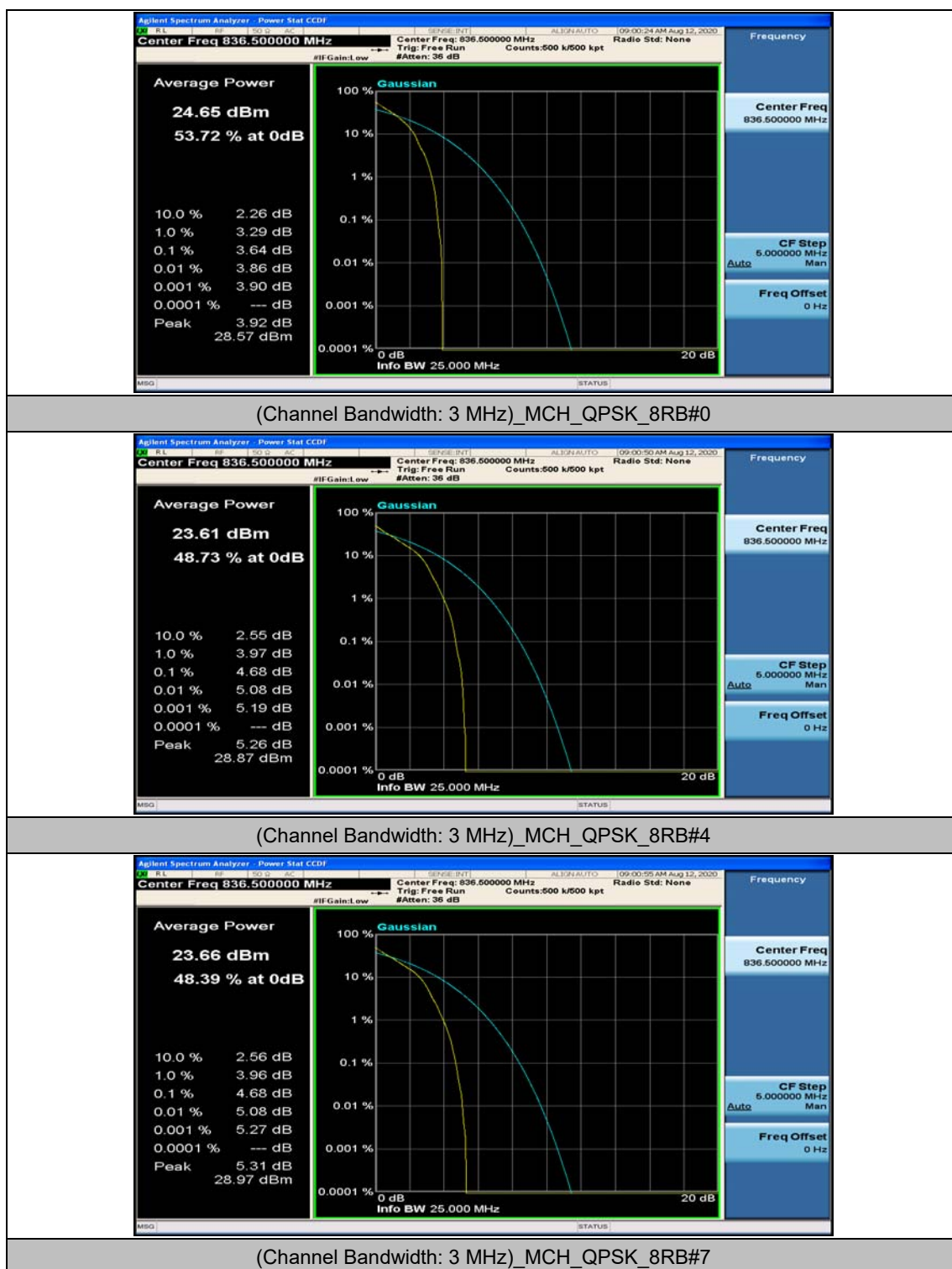
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

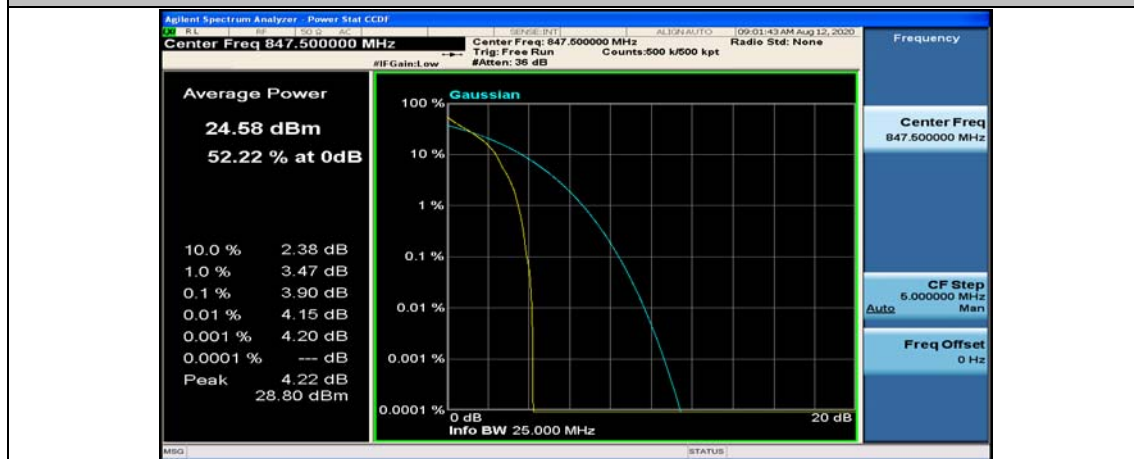




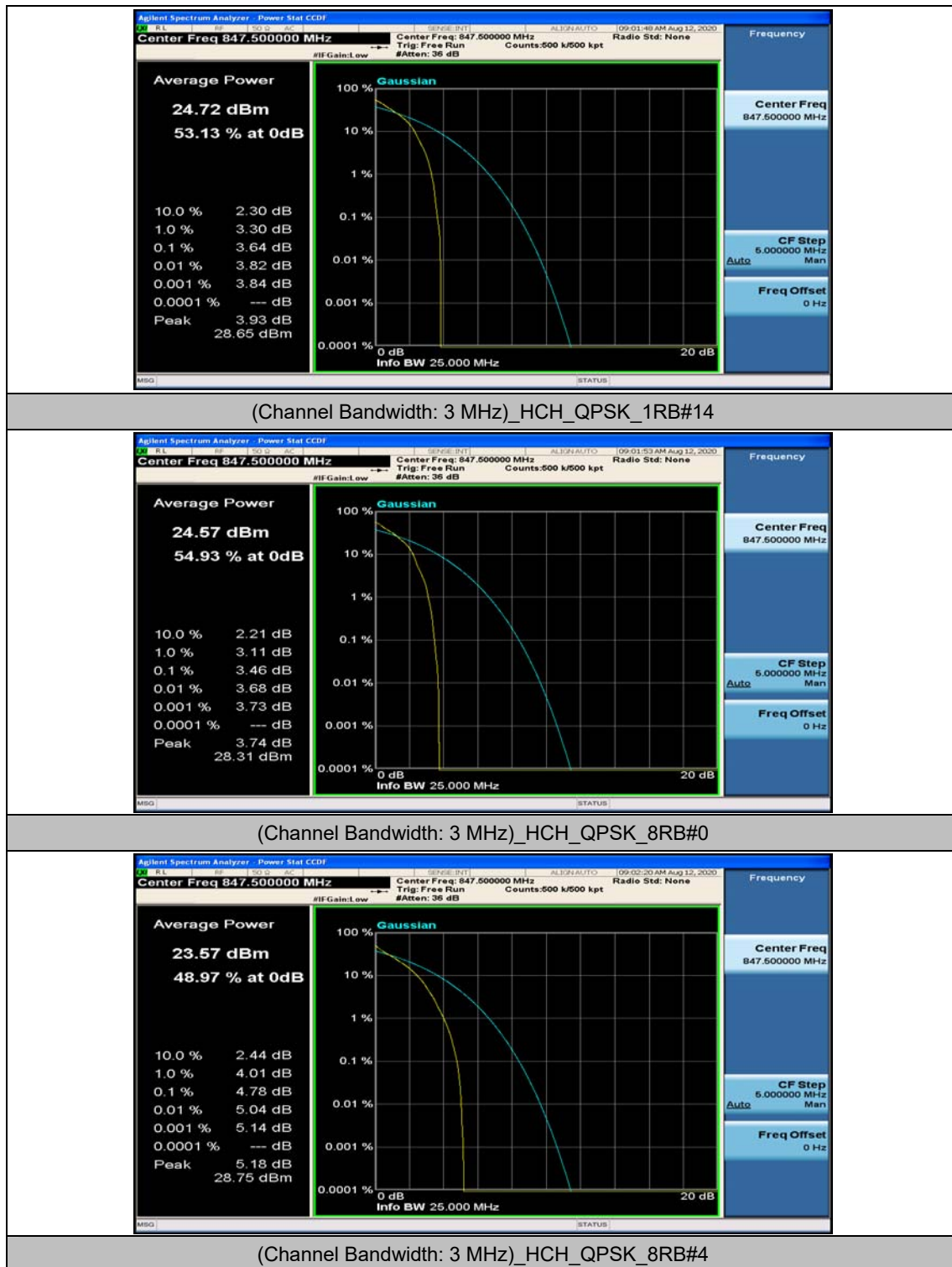
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

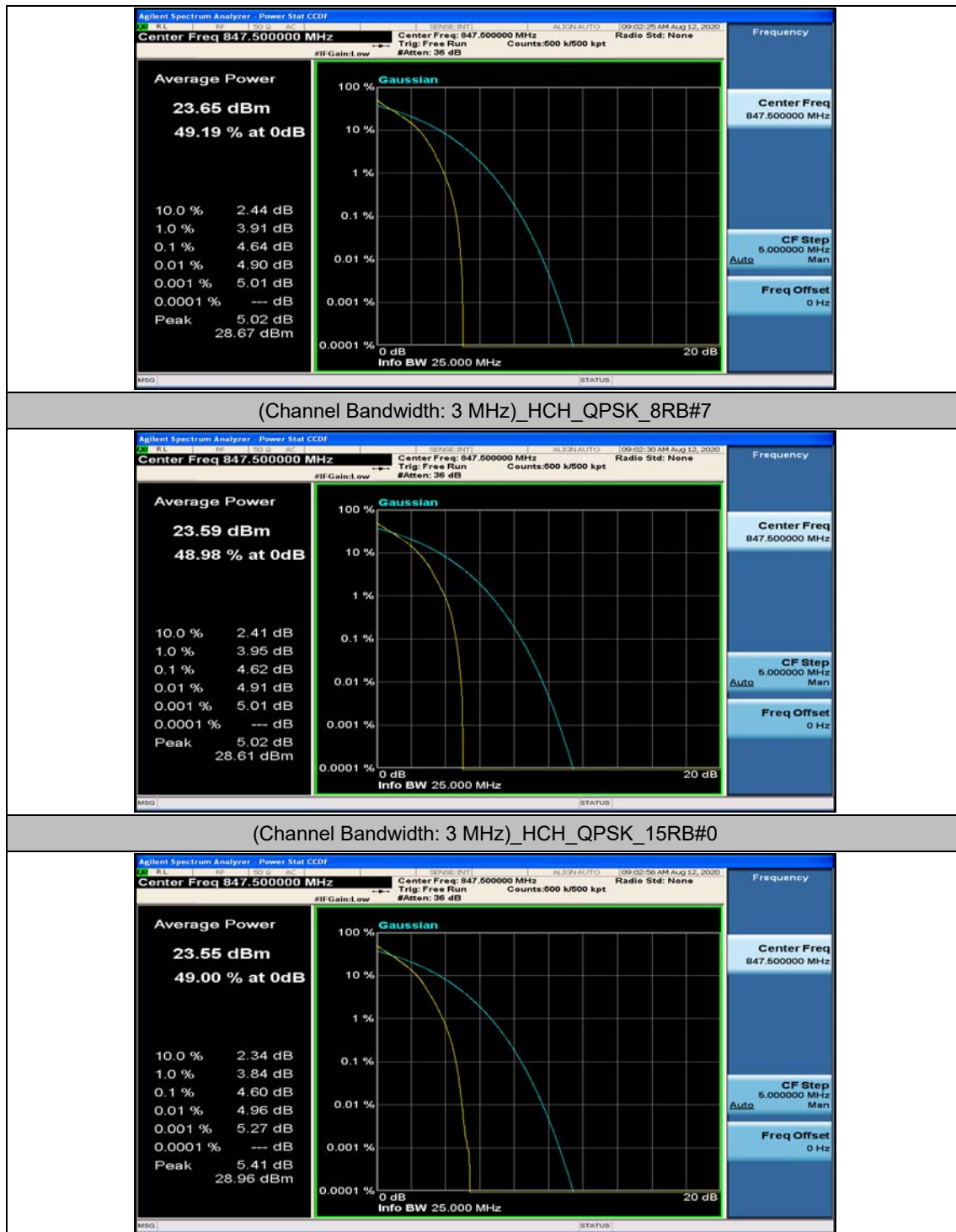


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7





(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



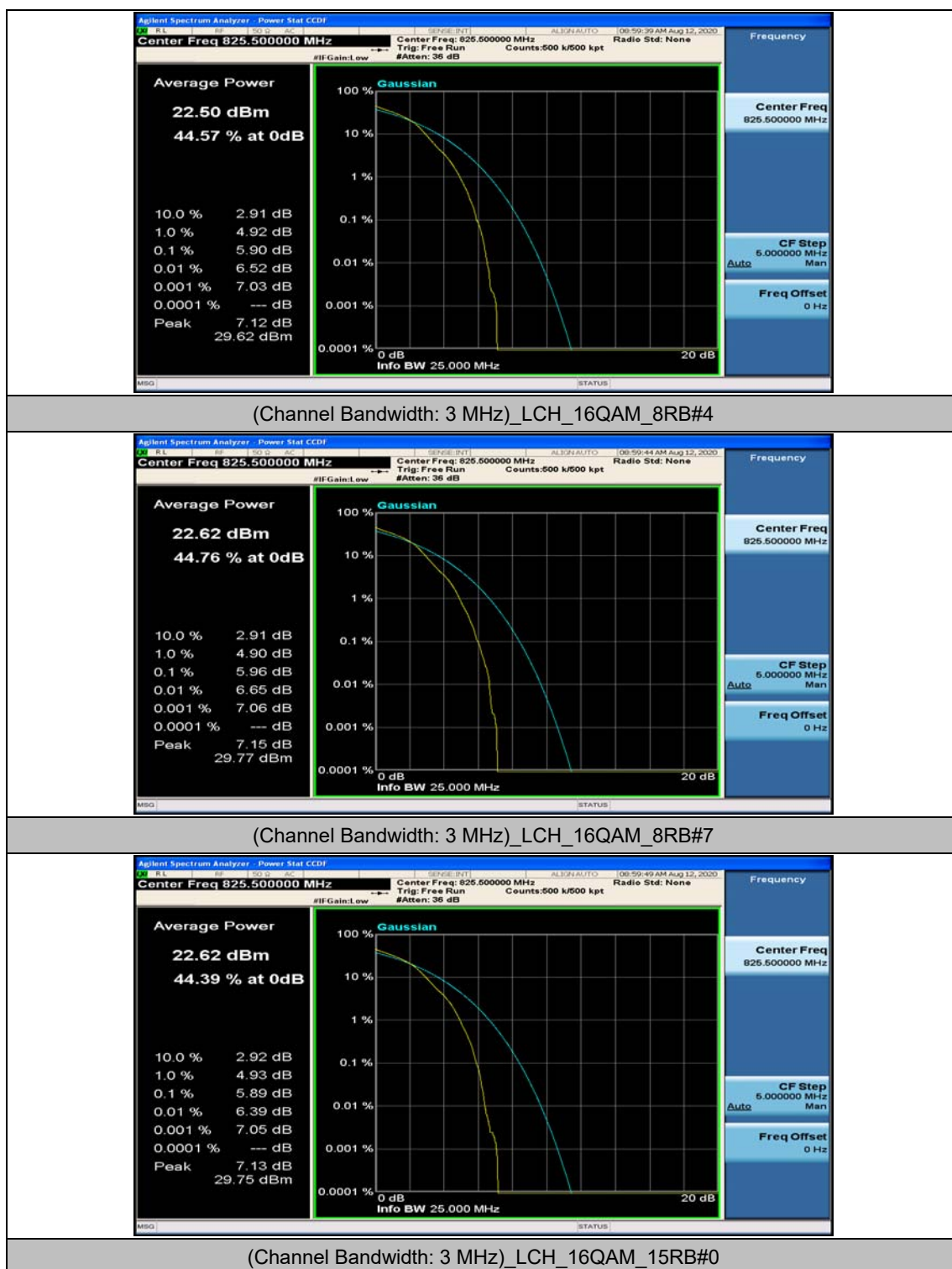
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

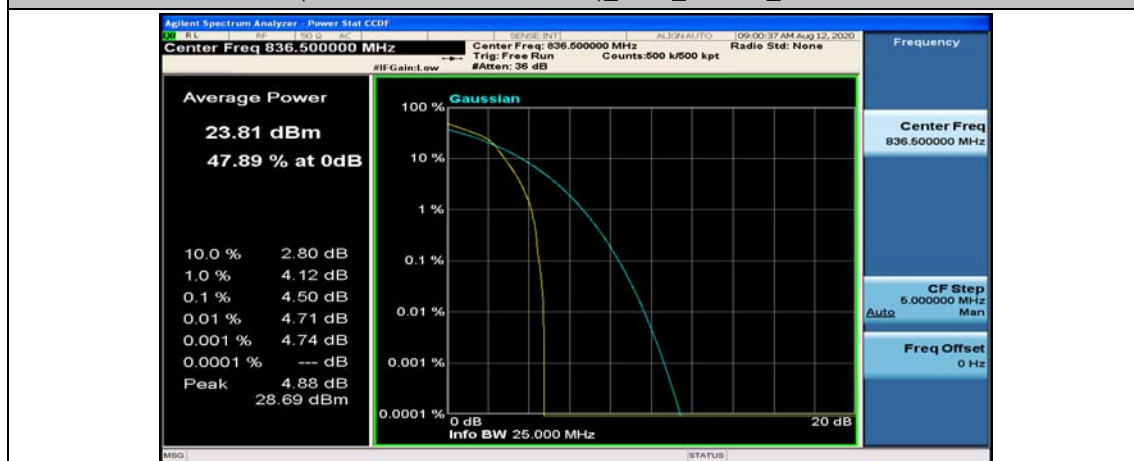




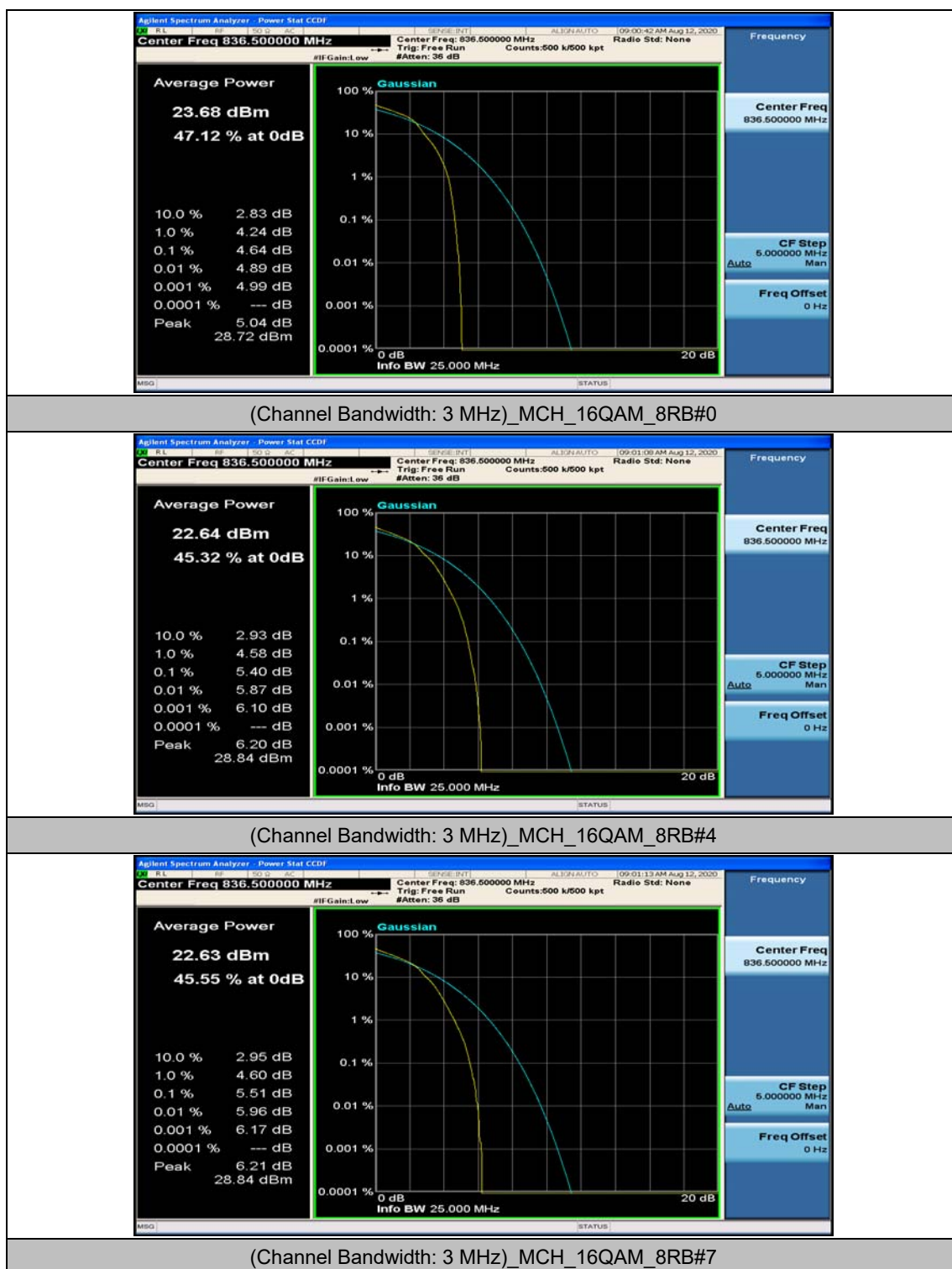
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

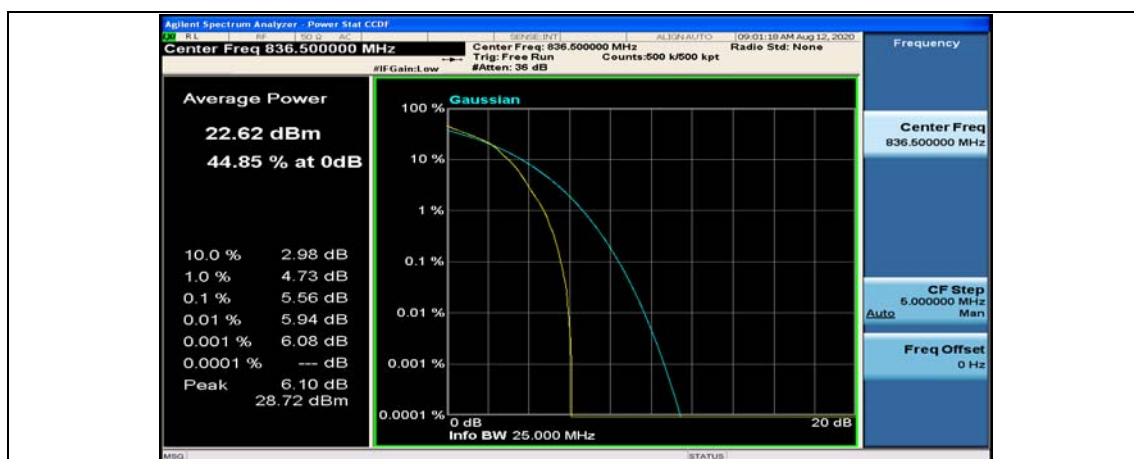


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

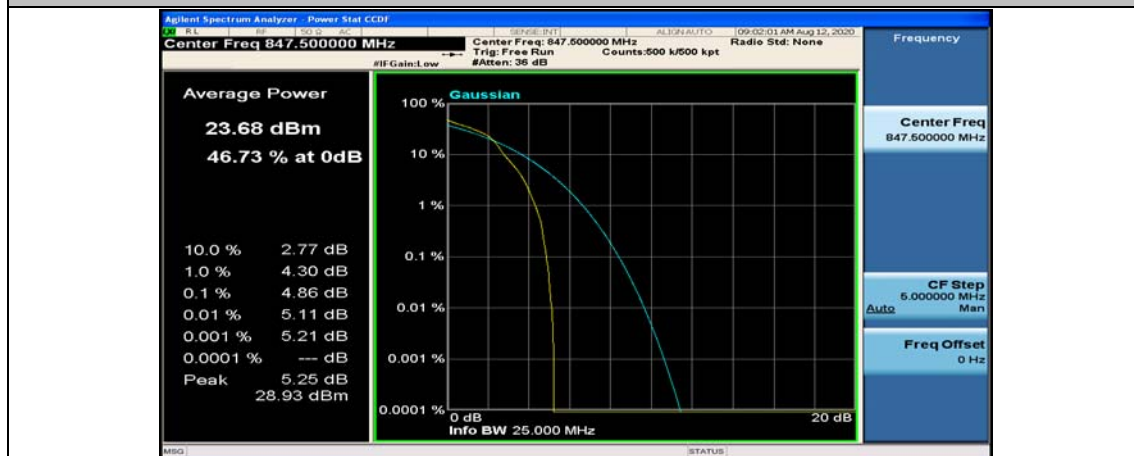




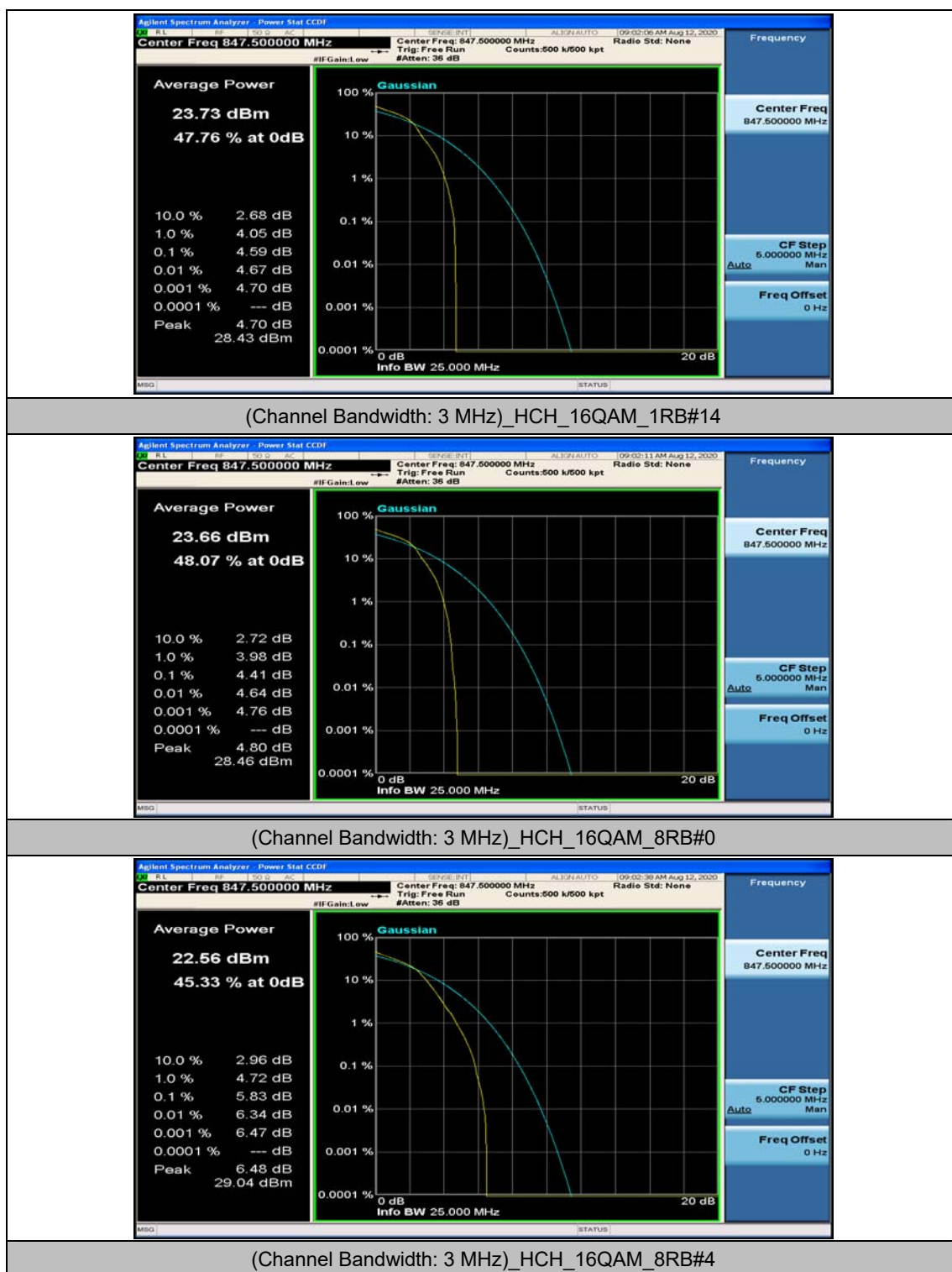
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

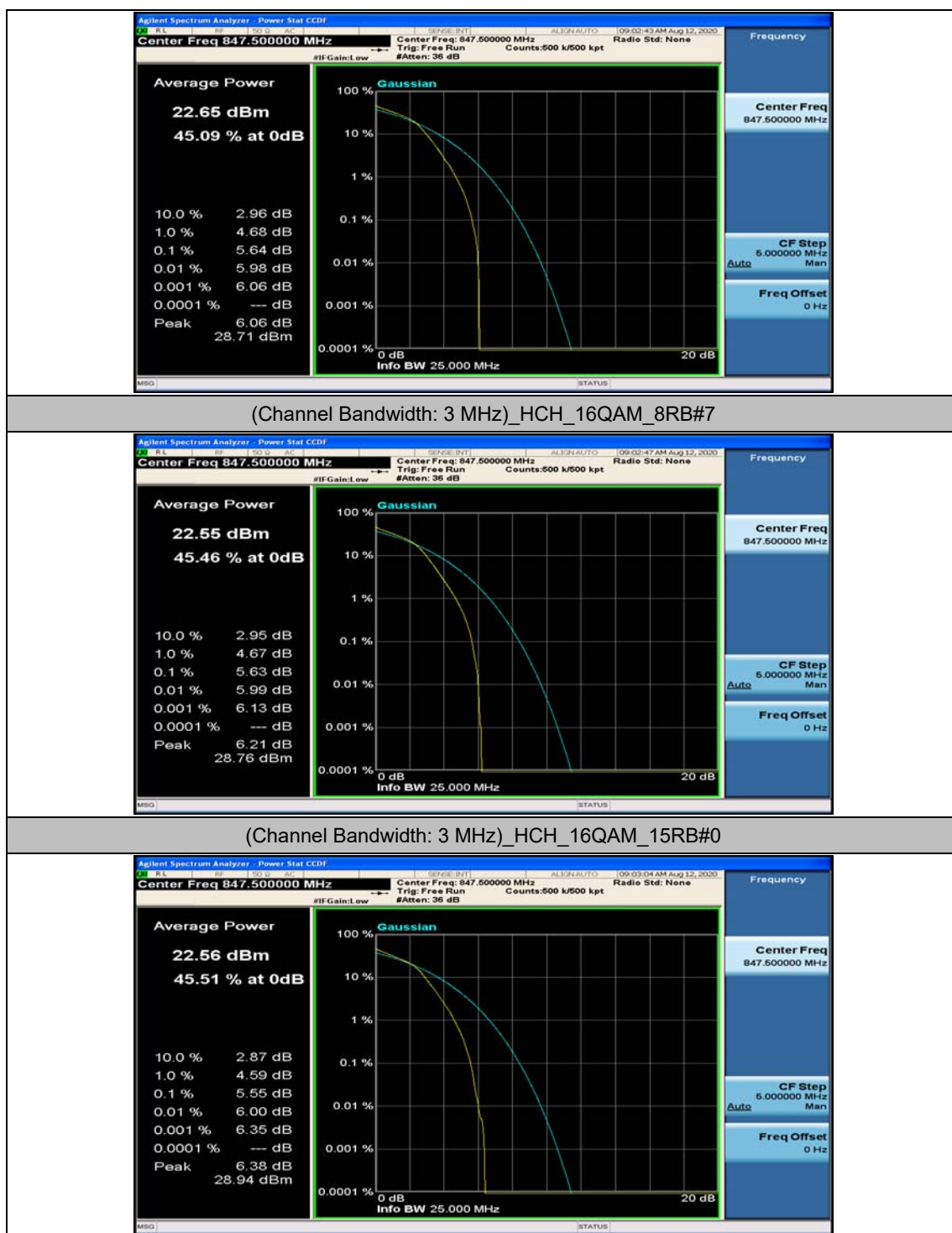


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



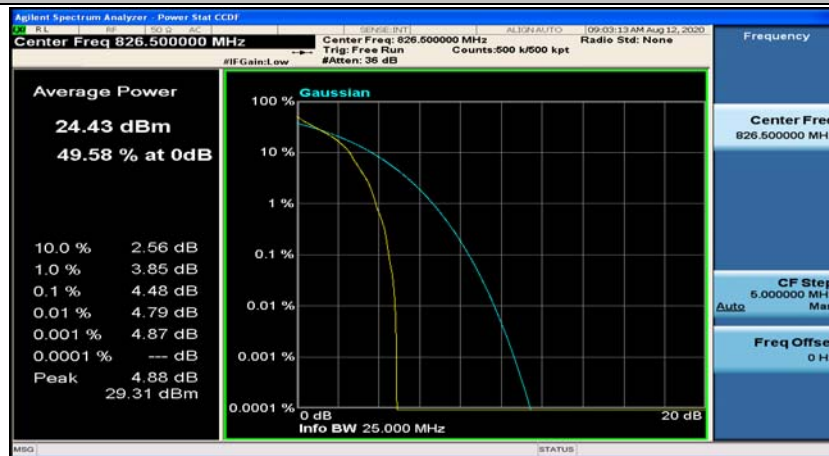
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7





Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



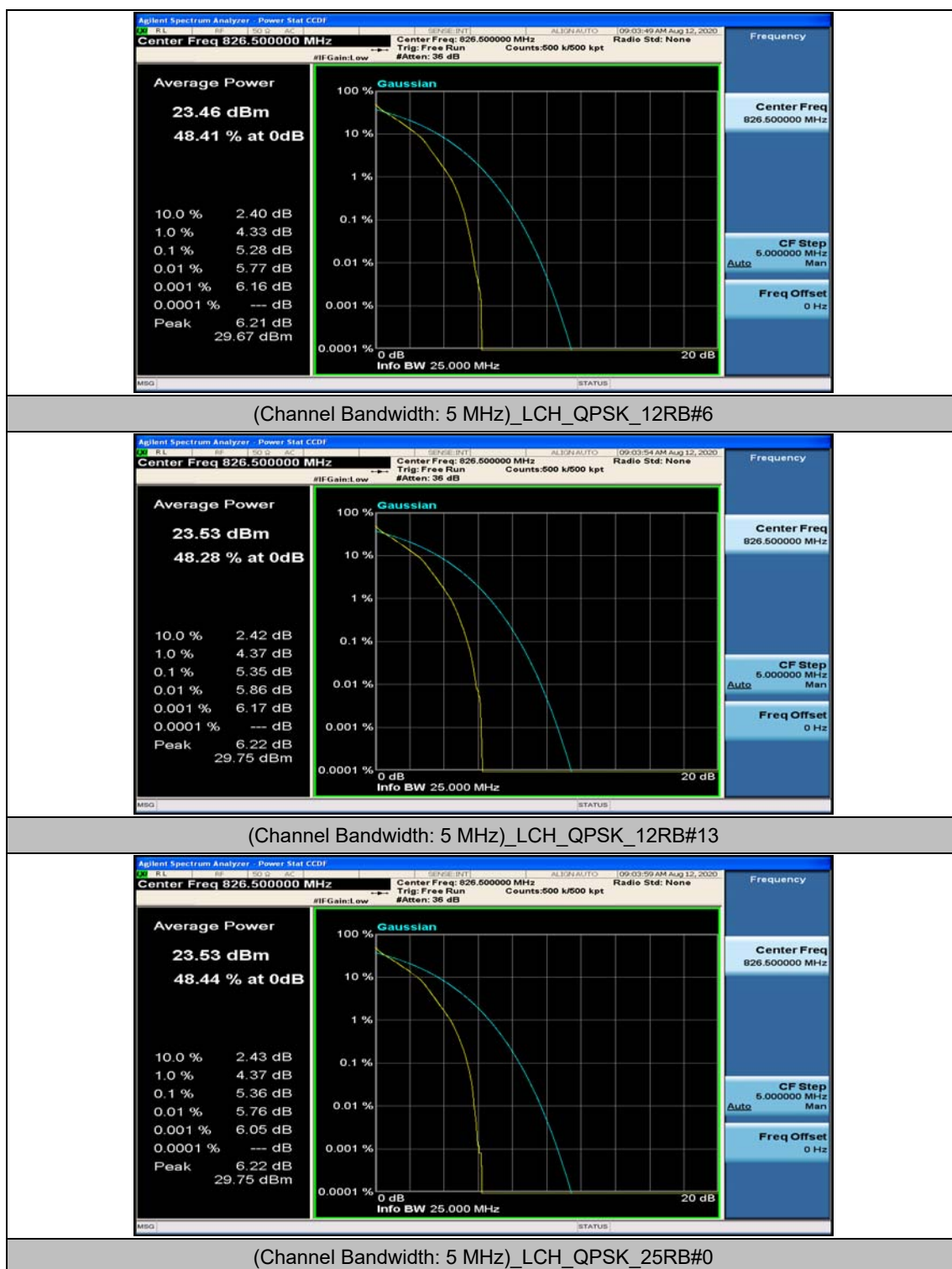
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

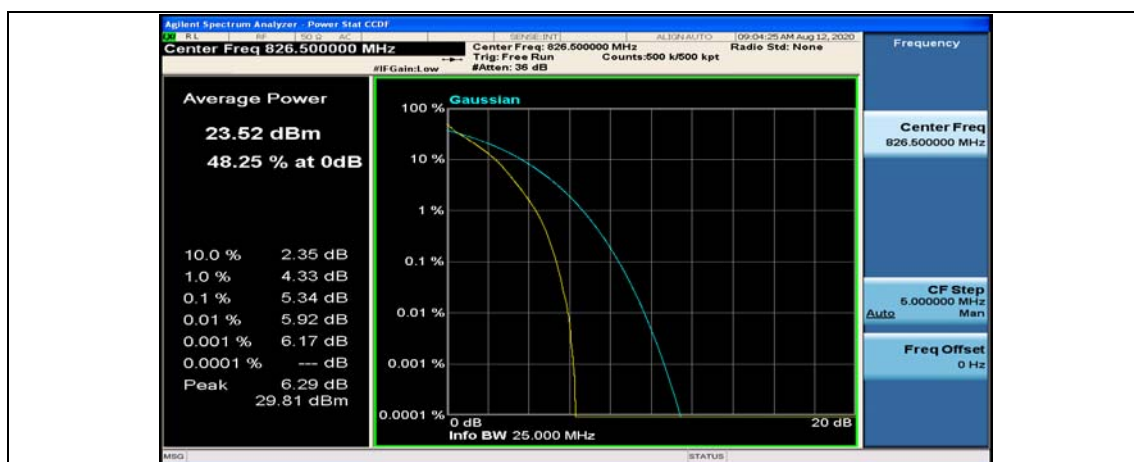


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

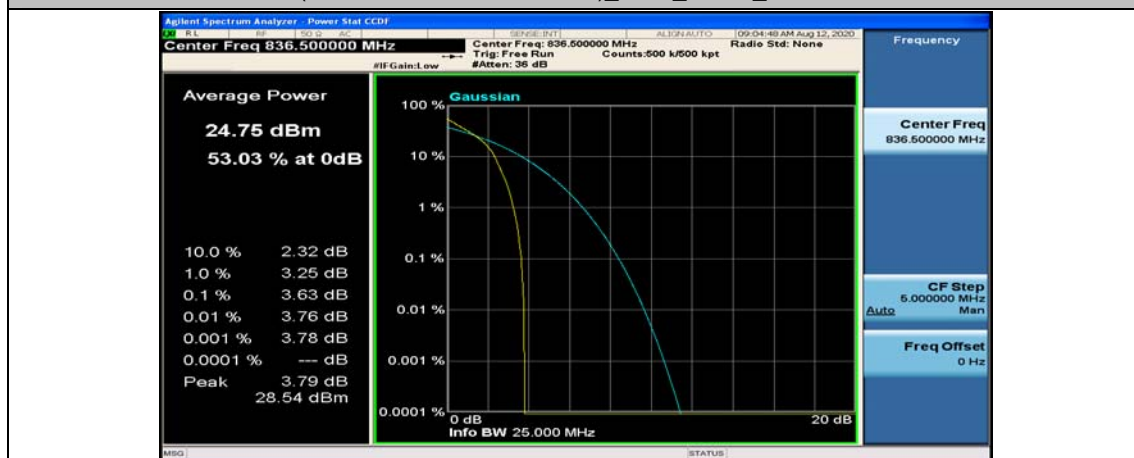




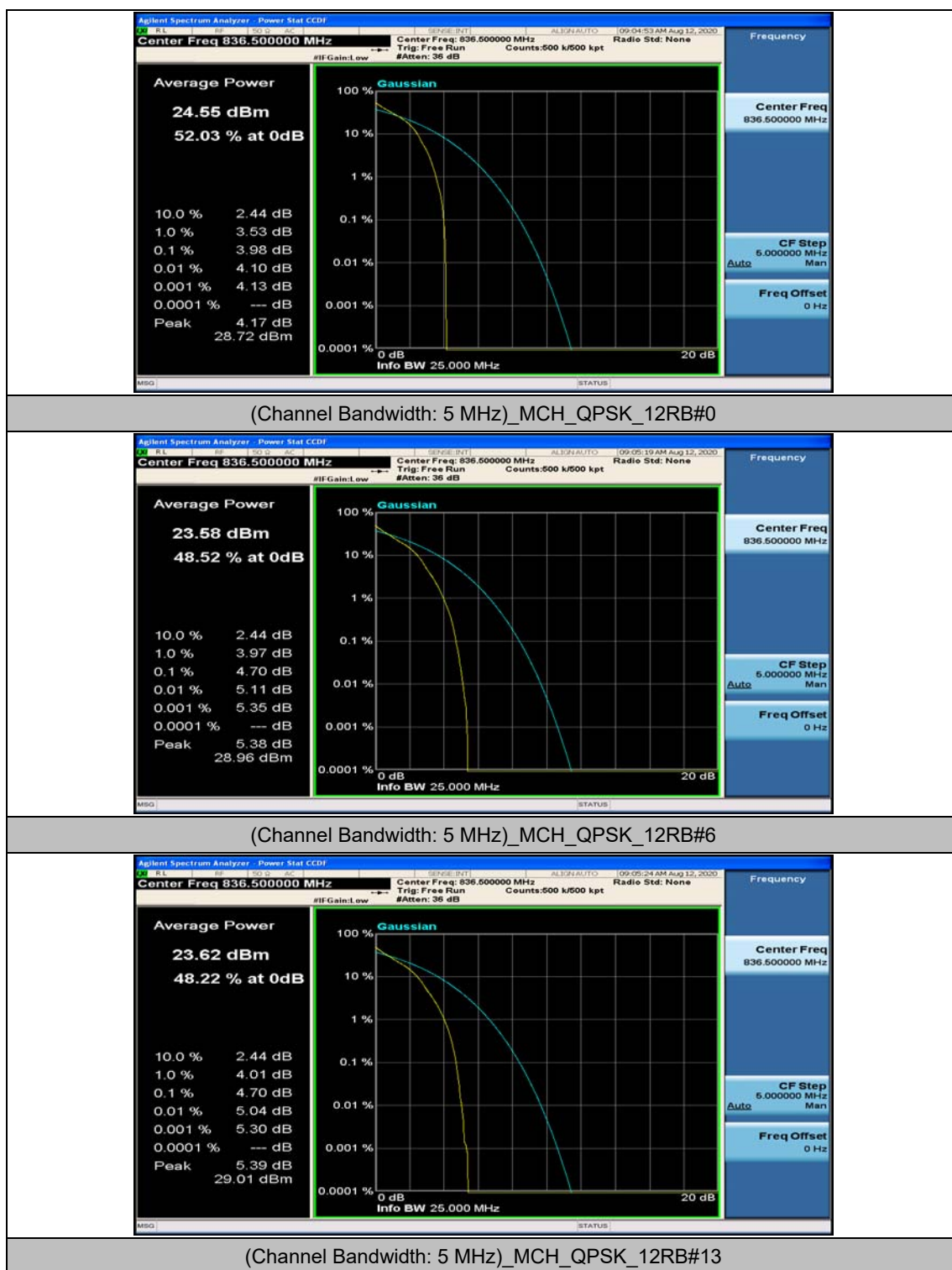
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

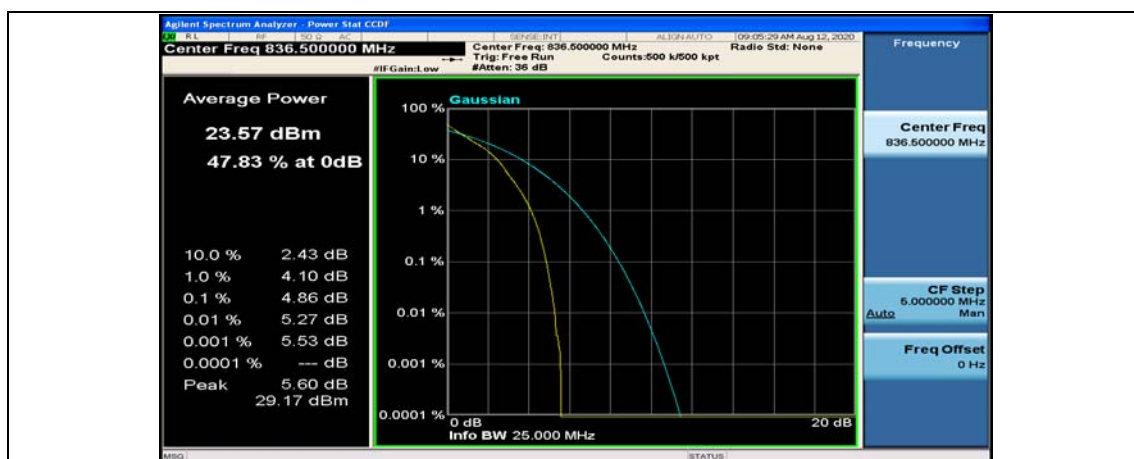


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

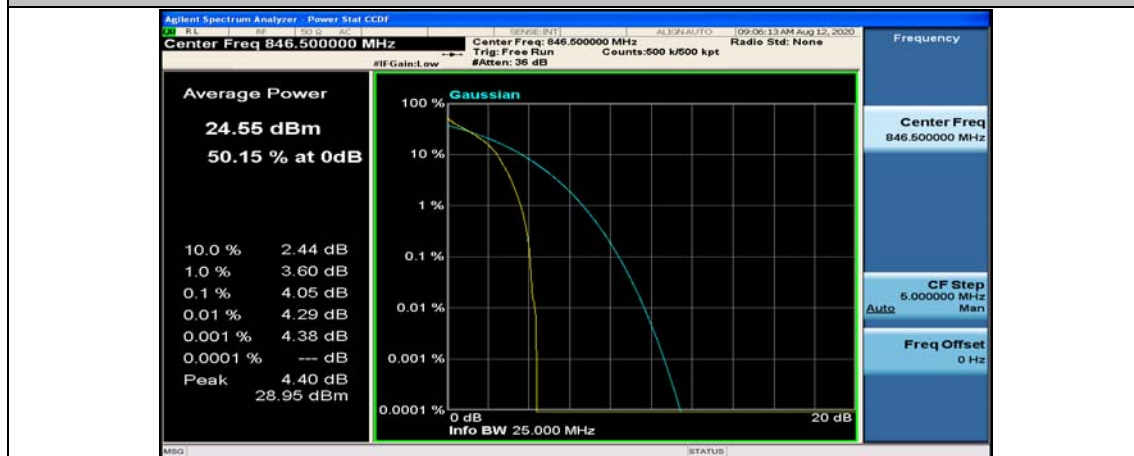




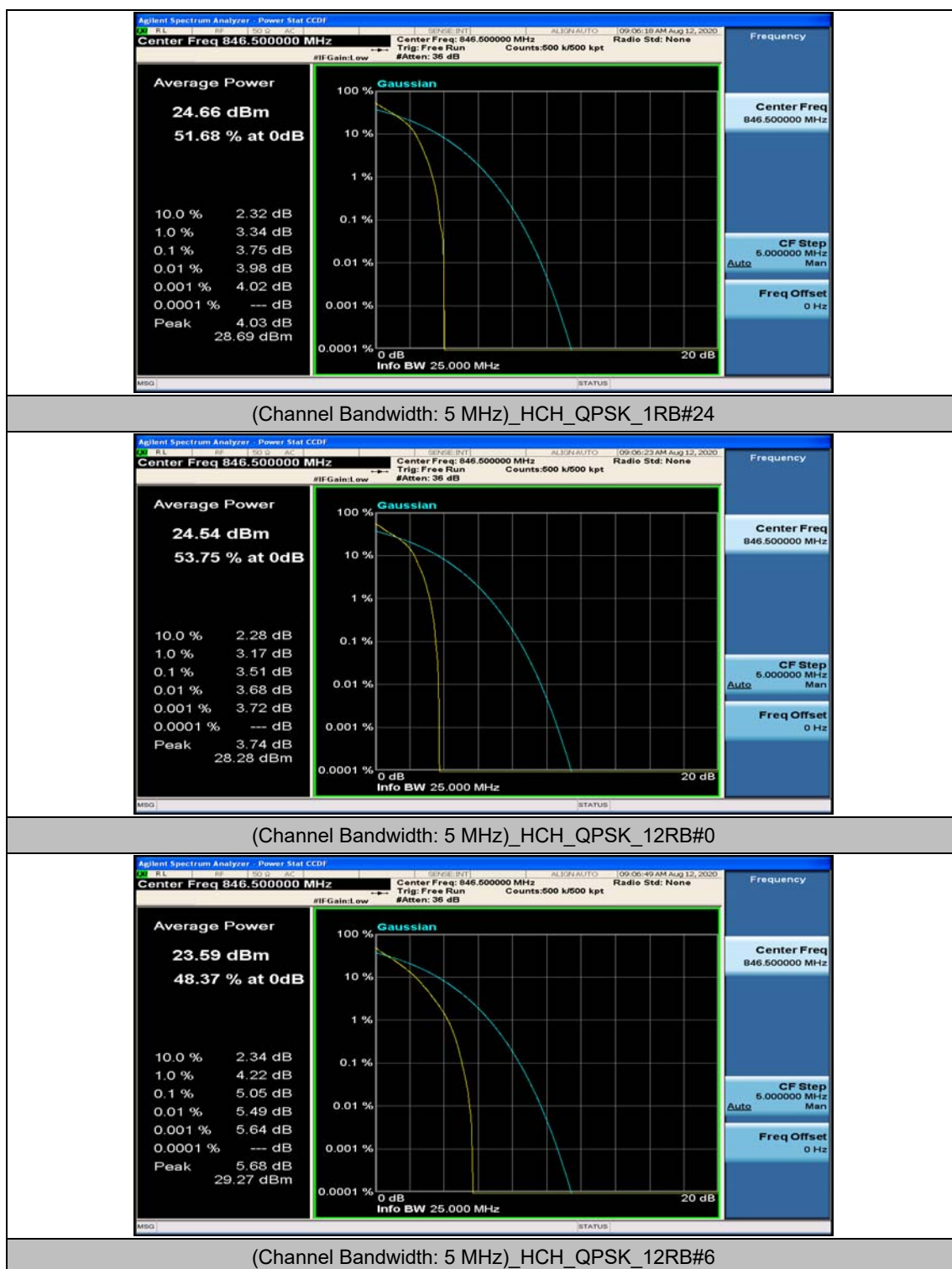
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

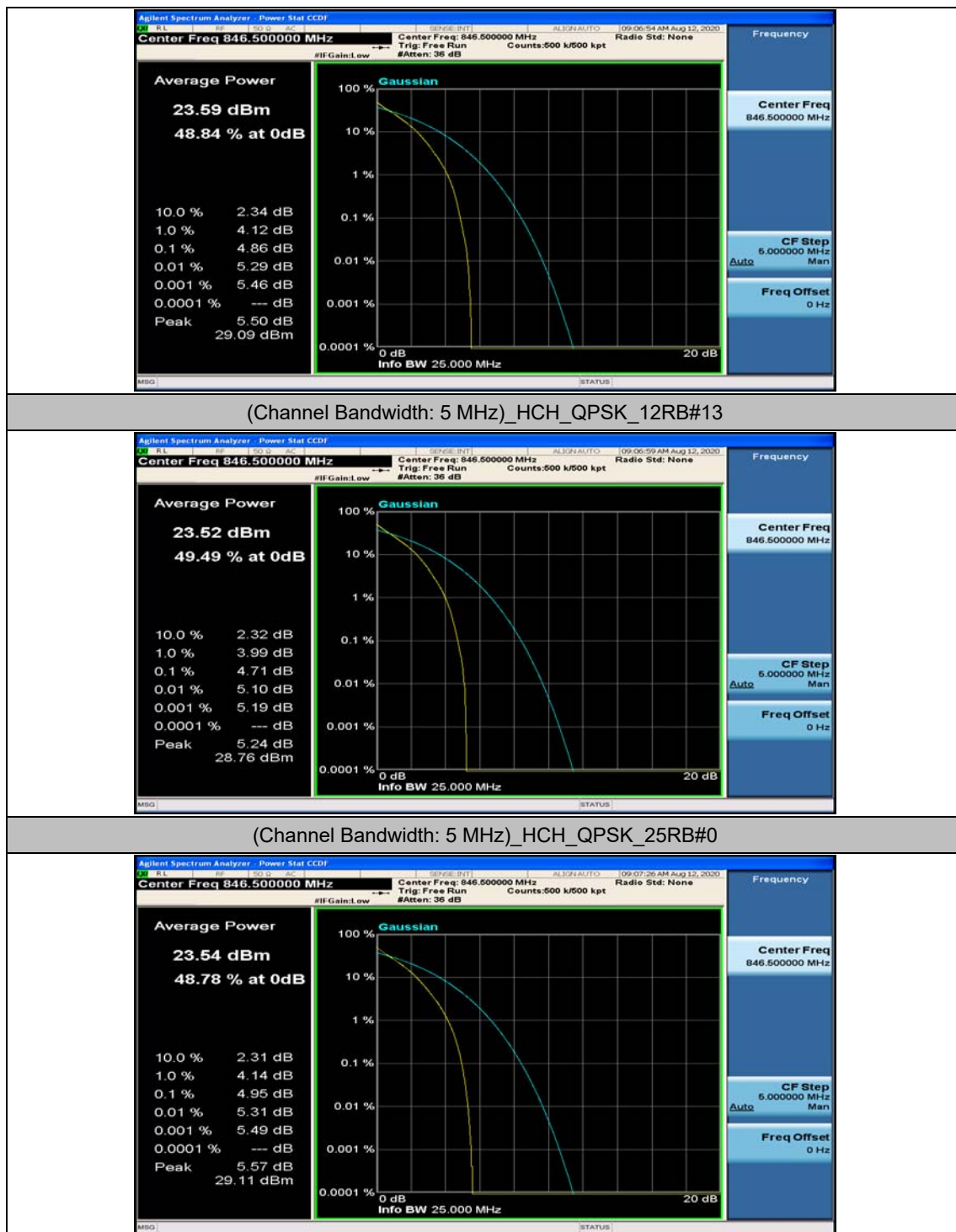


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

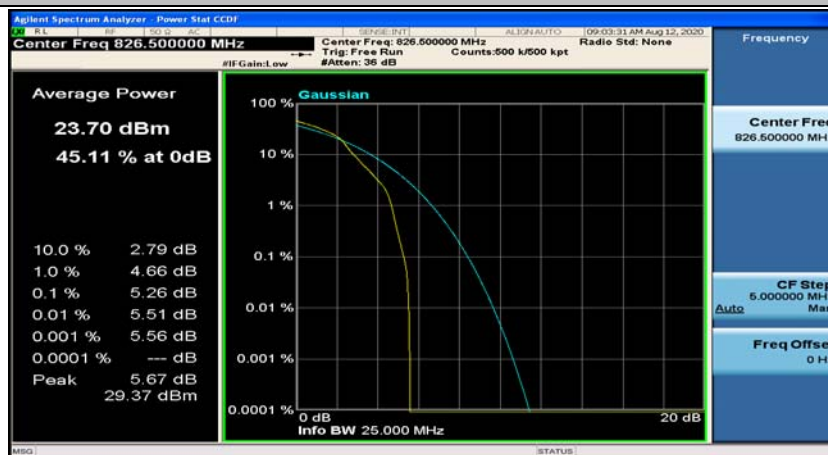


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

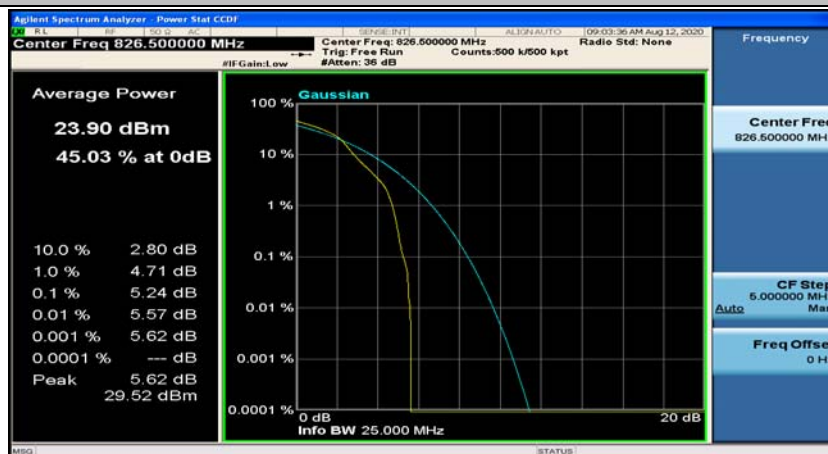




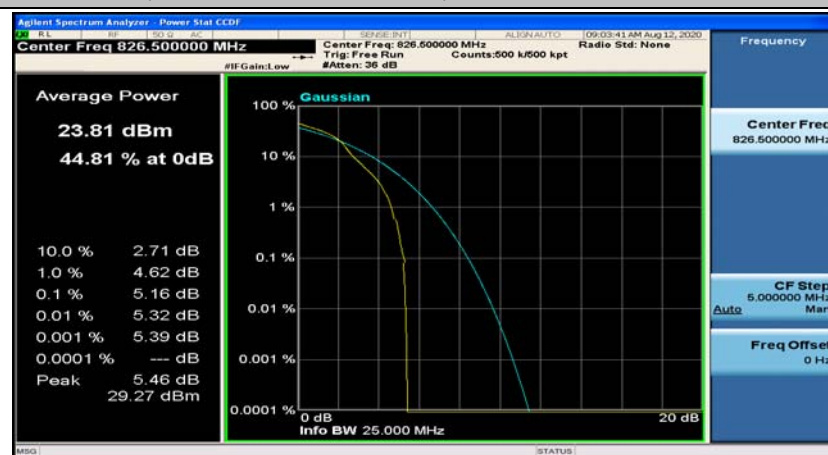
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



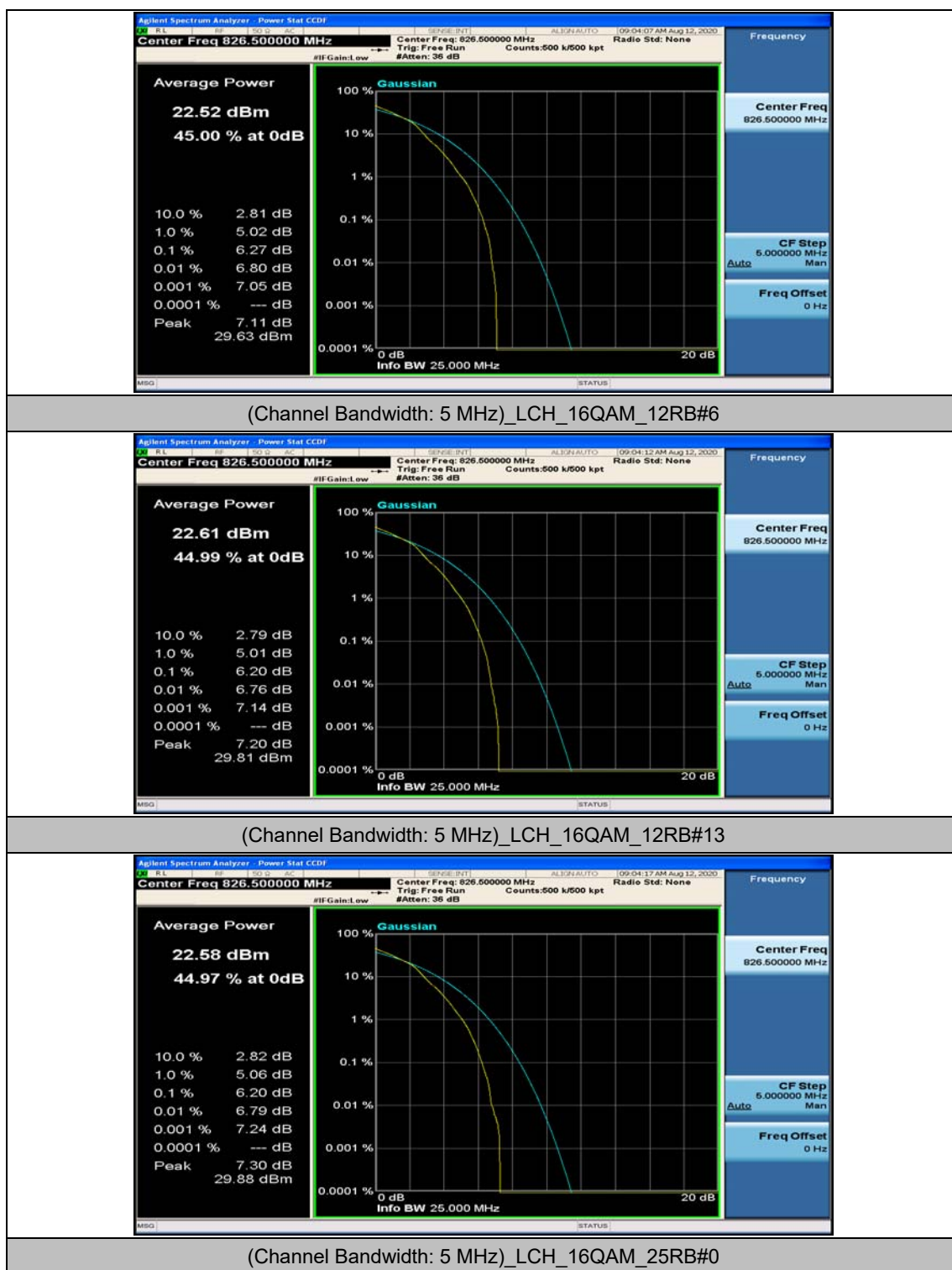
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

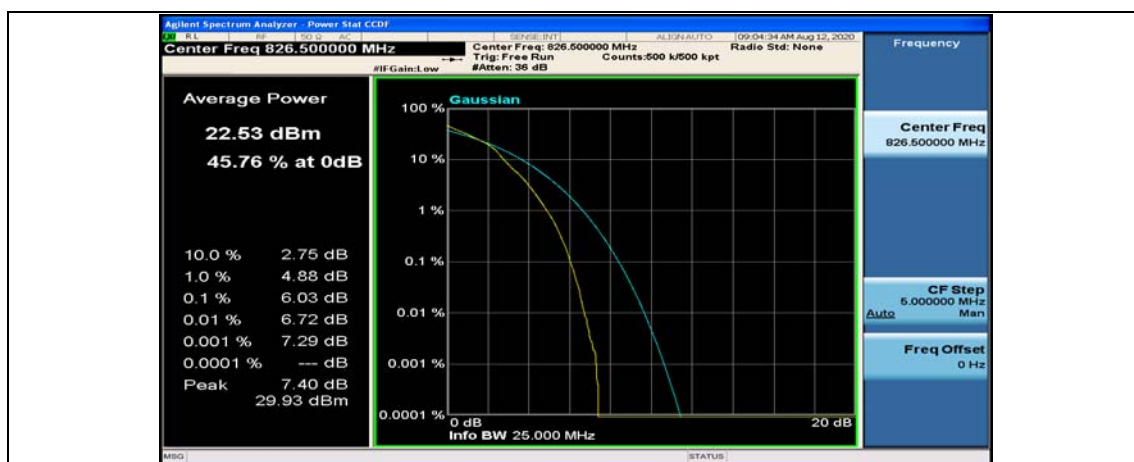


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0





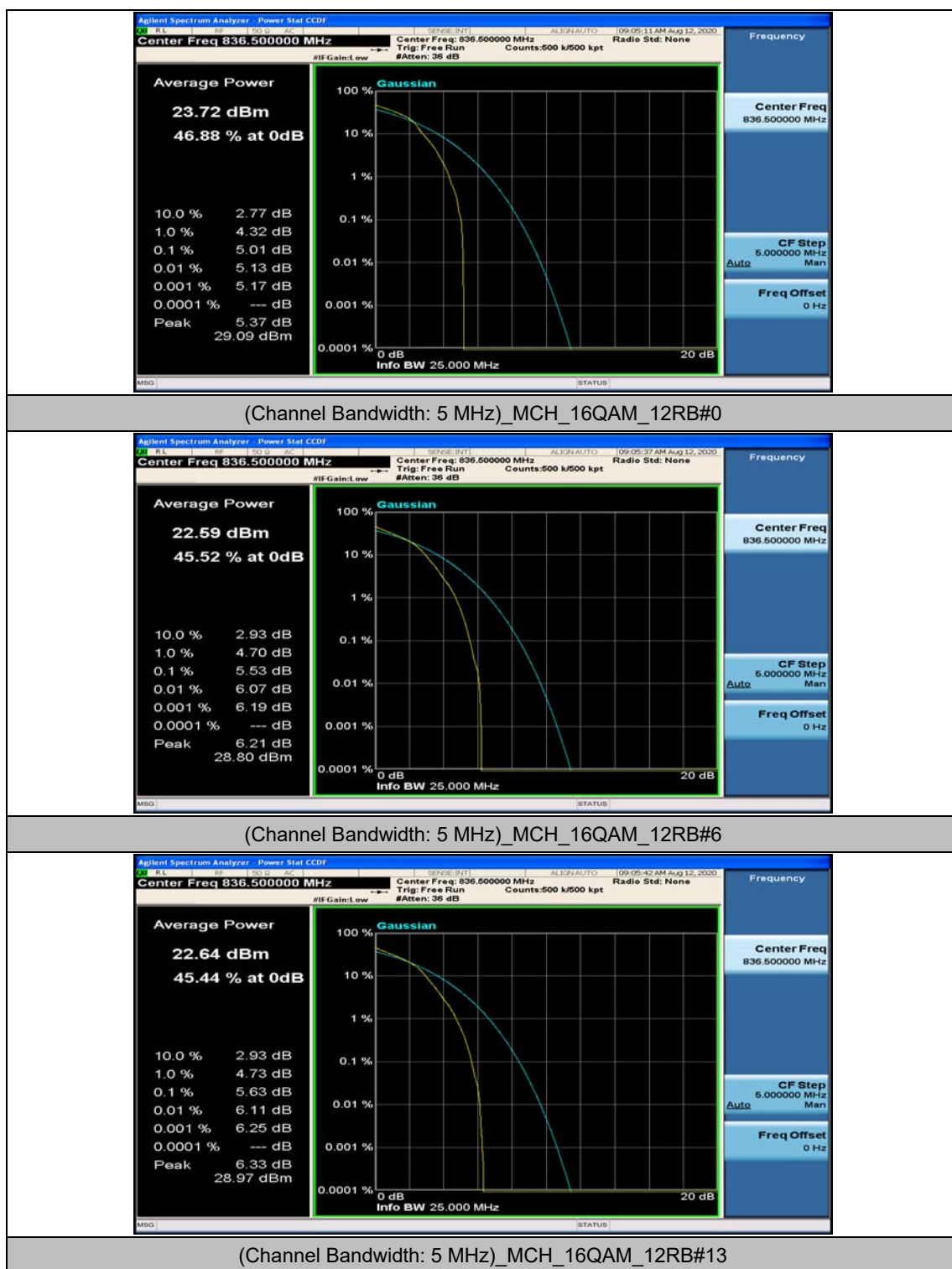
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

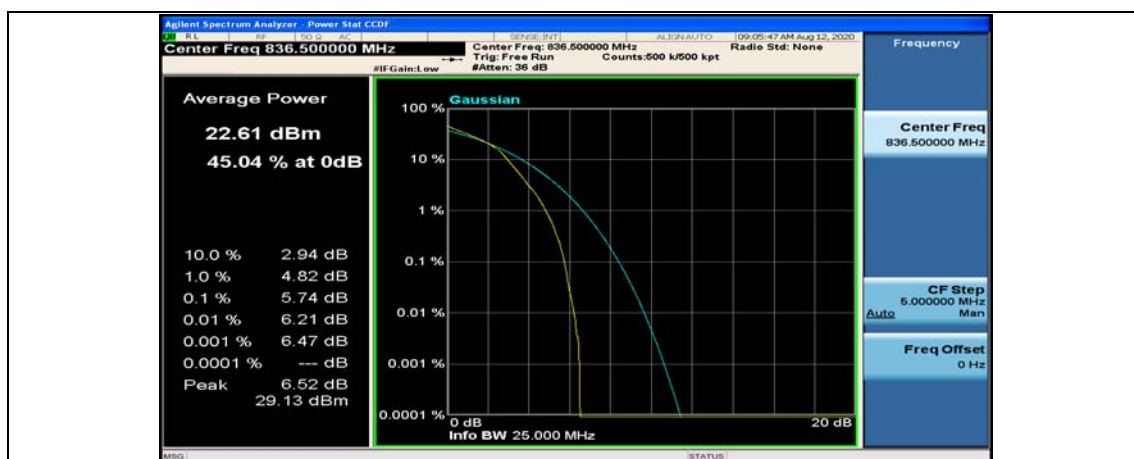


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

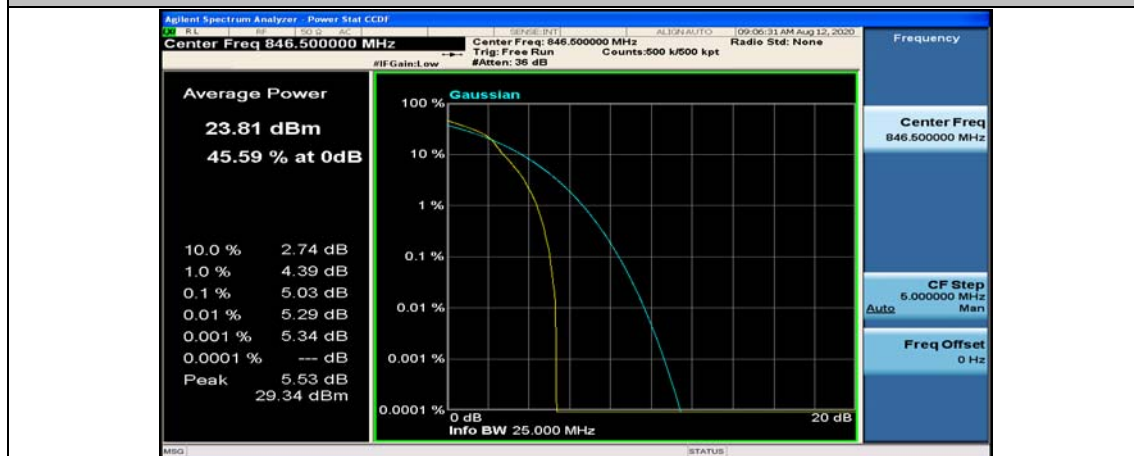




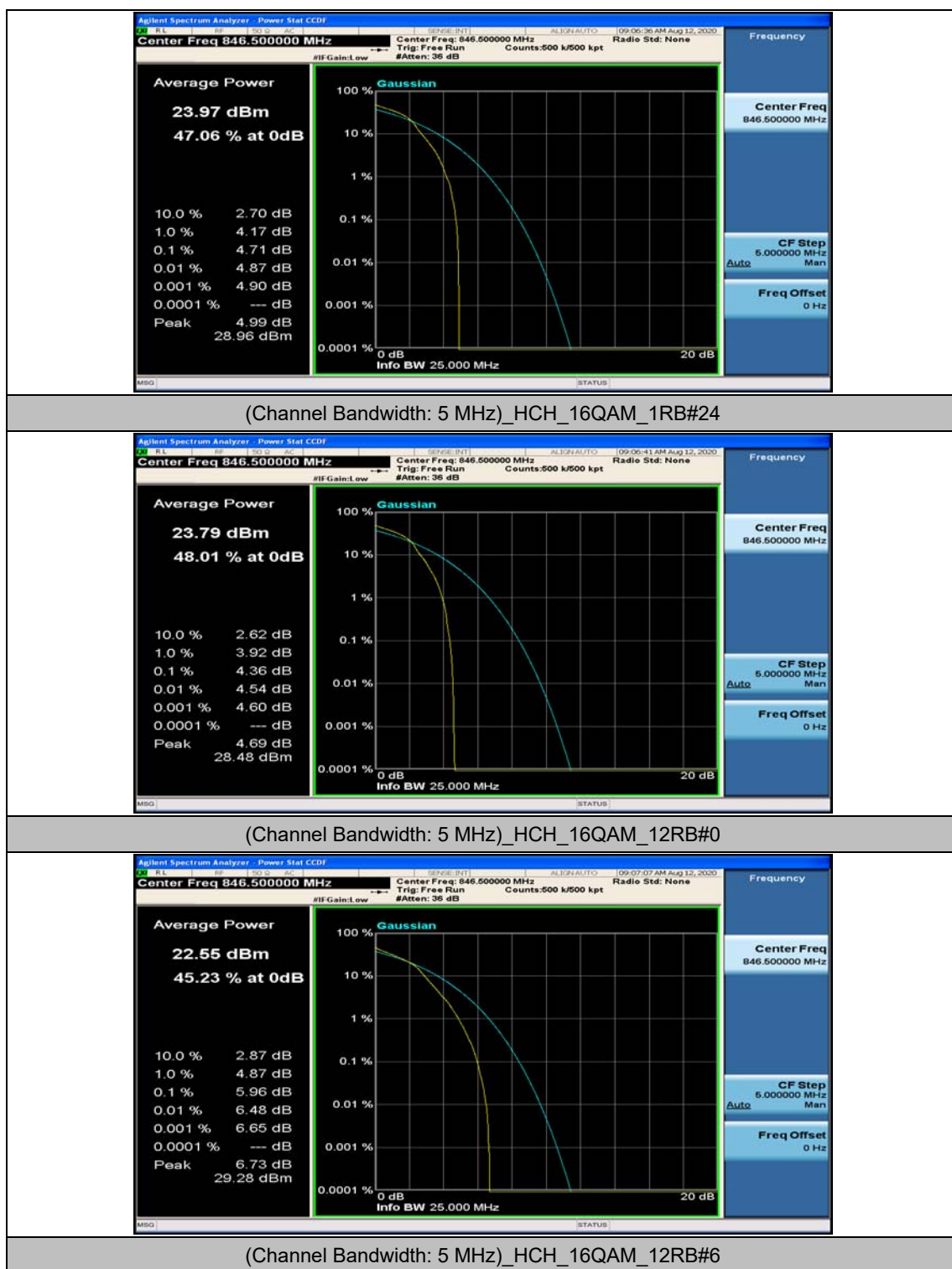
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

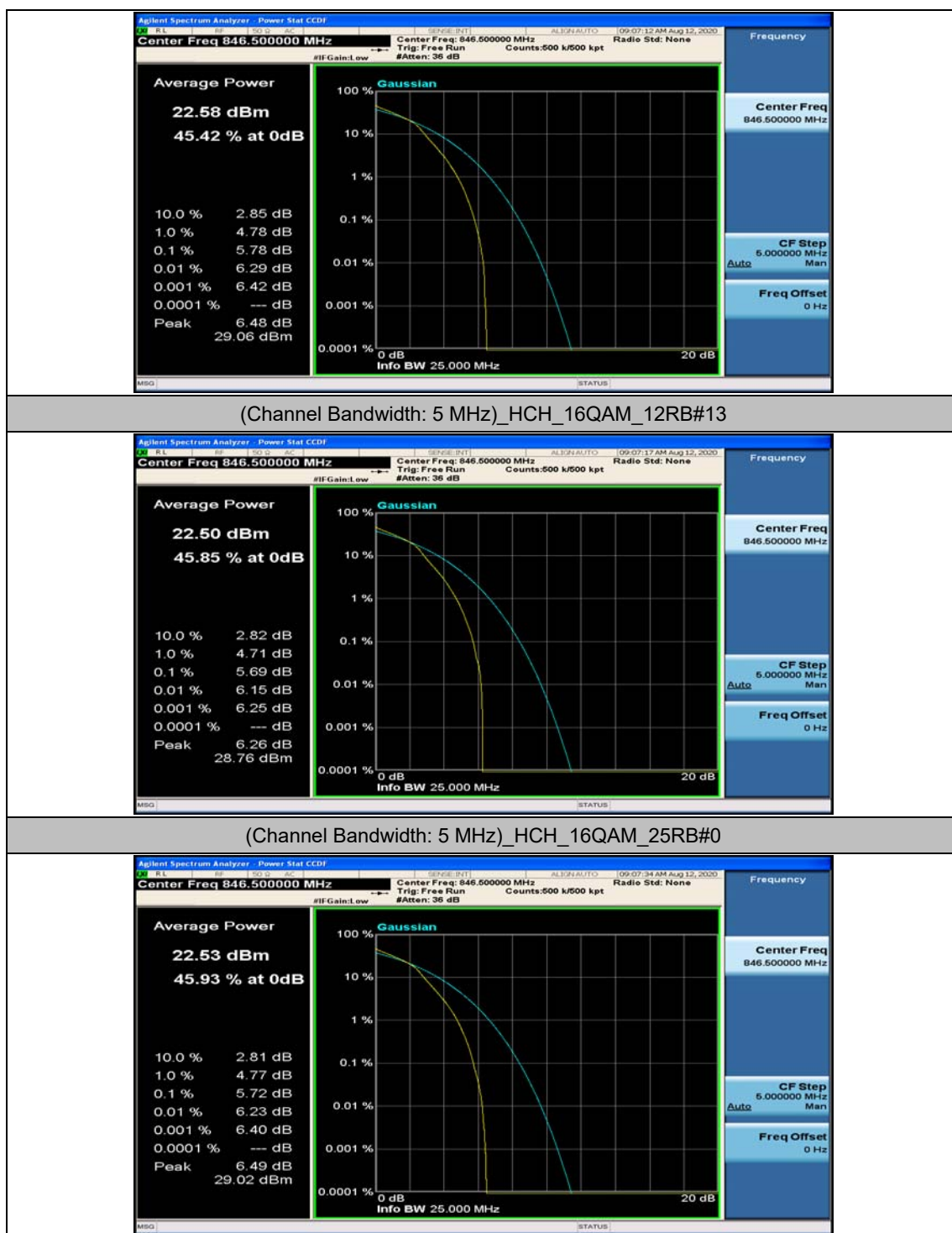


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12





Channel Bandwidth: 10 MHz