

Appendix for Band 5

Product Name: SmartPhone

Test Model: WNEXT

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	24.75	PASS
		1	3	24.60	PASS
		1	5	24.62	PASS
		3	0	24.63	PASS
		3	2	24.62	PASS
		3	3	24.66	PASS
		6	0	23.64	PASS
	MCH	1	0	24.26	PASS
		1	3	24.04	PASS
		1	5	24.93	PASS
		3	0	24.23	PASS
		3	2	24.25	PASS
		3	3	24.18	PASS
		6	0	24.21	PASS
	HCH	1	0	24.37	PASS
		1	3	24.37	PASS
		1	5	24.37	PASS
		3	0	24.51	PASS
		3	2	24.42	PASS
		3	3	24.40	PASS
		6	0	23.49	PASS
16QAM	LCH	1	0	23.83	PASS
		1	3	23.94	PASS
		1	5	23.90	PASS
		3	0	23.80	PASS
		3	2	23.76	PASS
		3	3	23.79	PASS

	MCH	6	0	22.58	PASS
		1	0	24.44	PASS
		1	3	24.44	PASS
		1	5	24.42	PASS
		3	0	24.11	PASS
		3	2	24.06	PASS
		3	3	24.09	PASS
		6	0	23.09	PASS
	HCH	1	0	23.65	PASS
		1	3	23.63	PASS
		1	5	23.55	PASS
		3	0	23.52	PASS
		3	2	23.42	PASS
		3	3	23.41	PASS
		6	0	22.50	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.53	PASS
		1	7	24.64	PASS
		1	14	24.67	PASS
		8	0	23.70	PASS
		8	4	23.74	PASS
		8	7	23.79	PASS
		15	0	23.76	PASS
	MCH	1	0	24.08	PASS
		1	7	24.06	PASS
		1	14	24.01	PASS
		8	0	24.33	PASS
		8	4	24.20	PASS
		8	7	24.21	PASS
		15	0	24.15	PASS
	HCH	1	0	24.56	PASS
		1	7	24.46	PASS
		1	14	24.34	PASS
		8	0	23.65	PASS
		8	4	23.57	PASS
		8	7	23.53	PASS
		15	0	23.55	PASS
16QAM	LCH	1	0	23.83	PASS

		1	7	23.95	PASS
		1	14	24.00	PASS
		8	0	22.72	PASS
		8	4	22.80	PASS
		8	7	22.81	PASS
		15	0	22.72	PASS
	MCH	1	0	24.18	PASS
		1	7	24.43	PASS
		1	14	24.20	PASS
		8	0	23.15	PASS
		8	4	23.12	PASS
		8	7	23.14	PASS
		15	0	23.10	PASS
	HCH	1	0	23.80	PASS
		1	7	23.68	PASS
		1	14	23.50	PASS
		8	0	22.54	PASS
		8	4	22.47	PASS
		8	7	22.41	PASS
		15	0	22.52	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.70	PASS
		1	12	24.84	PASS
		1	24	24.88	PASS
		12	0	23.83	PASS
		12	6	23.86	PASS
		12	13	23.97	PASS
		25	0	23.84	PASS
	MCH	1	0	24.19	PASS
		1	12	24.16	PASS
		1	24	24.03	PASS
		12	0	24.22	PASS
		12	6	24.18	PASS
		12	13	24.16	PASS
		25	0	24.13	PASS
	HCH	1	0	24.87	PASS
		1	12	24.65	PASS
		1	24	24.46	PASS

		12	0	23.84	PASS
		12	6	23.70	PASS
		12	13	23.59	PASS
		25	0	23.68	PASS
16QAM	LCH	1	0	23.95	PASS
		1	12	24.13	PASS
		1	24	24.17	PASS
		12	0	22.86	PASS
		12	6	22.91	PASS
		12	13	23.01	PASS
		25	0	22.82	PASS
	MCH	1	0	24.37	PASS
		1	12	24.34	PASS
		1	24	24.26	PASS
		12	0	23.28	PASS
		12	6	23.34	PASS
		12	13	23.14	PASS
		25	0	23.08	PASS
	HCH	1	0	24.07	PASS
		1	12	23.81	PASS
		1	24	23.58	PASS
		12	0	22.81	PASS
		12	6	22.67	PASS
		12	13	22.56	PASS
		25	0	22.65	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.65	PASS
		1	24	24.89	PASS
		1	49	24.03	PASS
		25	0	23.85	PASS
		25	12	24.00	PASS
		25	25	24.11	PASS
		50	0	23.99	PASS
	MCH	1	0	24.10	PASS
		1	24	24.14	PASS
		1	49	24.98	PASS
		25	0	24.21	PASS
		25	12	24.17	PASS

		25	25	24.09	PASS
		50	0	24.16	PASS
	HCH	1	0	24.10	PASS
		1	24	24.81	PASS
		1	49	24.40	PASS
		25	0	24.04	PASS
		25	12	23.87	PASS
		25	25	23.63	PASS
		50	0	23.88	PASS
16QAM	LCH	1	0	23.99	PASS
		1	24	24.21	PASS
		1	49	24.29	PASS
		25	0	22.87	PASS
		25	12	22.97	PASS
		25	25	23.05	PASS
		50	0	22.97	PASS
	MCH	1	0	24.45	PASS
		1	24	24.46	PASS
		1	49	24.33	PASS
		25	0	23.16	PASS
		25	12	23.13	PASS
		25	25	23.09	PASS
		50	0	23.16	PASS
	HCH	1	0	24.33	PASS
		1	24	24.07	PASS
		1	49	23.59	PASS
		25	0	23.03	PASS
		25	12	22.85	PASS
		25	25	22.62	PASS
		50	0	22.89	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	4.19	<13	PASS
		1	3	4.18	<13	PASS
		1	5	4.12	<13	PASS
		3	0	4.62	<13	PASS
		3	2	4.62	<13	PASS
		3	3	4.64	<13	PASS
		6	0	5.4	<13	PASS
	MCH	1	0	3.84	<13	PASS
		1	3	3.77	<13	PASS
		1	5	3.89	<13	PASS
		3	0	4.22	<13	PASS
		3	2	4.24	<13	PASS
		3	3	4.2	<13	PASS
		6	0	4.98	<13	PASS
	HCH	1	0	3.47	<13	PASS
		1	3	3.3	<13	PASS
		1	5	3.39	<13	PASS
		3	0	4.05	<13	PASS
		3	2	3.9	<13	PASS
		3	3	3.86	<13	PASS
		6	0	4.78	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	3	5.19	<13	PASS
		1	5	5.25	<13	PASS
		3	0	5.49	<13	PASS
		3	2	5.51	<13	PASS
		3	3	5.57	<13	PASS
		6	0	6.29	<13	PASS
	MCH	1	0	4.9	<13	PASS
		1	3	4.88	<13	PASS
		1	5	4.91	<13	PASS

		3	0	5.08	<13	PASS
		3	2	5.16	<13	PASS
		3	3	5.12	<13	PASS
		6	0	5.87	<13	PASS
	HCH	1	0	4.48	<13	PASS
		1	3	4.3	<13	PASS
		1	5	4.27	<13	PASS
		3	0	4.86	<13	PASS
		3	2	4.75	<13	PASS
		3	3	4.69	<13	PASS
		6	0	5.69	<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	4.13	<13	PASS
		1	7	4.13	<13	PASS
		1	14	4.23	<13	PASS
		8	0	5.4	<13	PASS
		8	4	5.46	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.54	<13	PASS
	MCH	1	0	3.69	<13	PASS
		1	7	3.91	<13	PASS
		1	14	4.12	<13	PASS
		8	0	4.97	<13	PASS
		8	4	4.94	<13	PASS
		8	7	5	<13	PASS
		15	0	5.09	<13	PASS
	HCH	1	0	3.85	<13	PASS
		1	7	3.66	<13	PASS
		1	14	3.2	<13	PASS
		8	0	5.1	<13	PASS
		8	4	5.02	<13	PASS
		8	7	4.86	<13	PASS
		15	0	5.05	<13	PASS
16QAM	LCH	1	0	5.1	<13	PASS
		1	7	5.12	<13	PASS
		1	14	5.2	<13	PASS
		8	0	6.14	<13	PASS

		8	4	6.26	<13	PASS
		8	7	6.44	<13	PASS
		15	0	6.48	<13	PASS
	MCH	1	0	4.83	<13	PASS
		1	7	4.82	<13	PASS
		1	14	4.93	<13	PASS
		8	0	5.81	<13	PASS
		8	4	5.76	<13	PASS
		8	7	5.8	<13	PASS
		15	0	5.95	<13	PASS
	HCH	1	0	4.65	<13	PASS
		1	7	4.41	<13	PASS
		1	14	4.27	<13	PASS
		8	0	6.12	<13	PASS
		8	4	6.05	<13	PASS
		8	7	5.89	<13	PASS
		15	0	5.94	<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	4.13	<13	PASS
		1	12	4.12	<13	PASS
		1	24	4.11	<13	PASS
		12	0	5.49	<13	PASS
		12	6	5.49	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.53	<13	PASS
	MCH	1	0	3.86	<13	PASS
		1	12	3.73	<13	PASS
		1	24	3.97	<13	PASS
		12	0	4.95	<13	PASS
		12	6	5.02	<13	PASS
		12	13	5.03	<13	PASS
		25	0	5.13	<13	PASS
	HCH	1	0	3.96	<13	PASS
		1	12	3.73	<13	PASS
		1	24	3.21	<13	PASS
		12	0	5.41	<13	PASS
		12	6	5.19	<13	PASS

		12	13	5	<13	PASS
		25	0	5.29	<13	PASS
16QAM	LCH	1	0	5.01	<13	PASS
		1	12	5.04	<13	PASS
		1	24	4.99	<13	PASS
		12	0	6.39	<13	PASS
		12	6	6.43	<13	PASS
		12	13	6.41	<13	PASS
		25	0	6.29	<13	PASS
		25	0	6.29	<13	PASS
	MCH	1	0	4.84	<13	PASS
		1	12	4.8	<13	PASS
		1	24	4.96	<13	PASS
		12	0	5.82	<13	PASS
		12	6	5.81	<13	PASS
		12	13	5.84	<13	PASS
		25	0	5.9	<13	PASS
		25	0	5.9	<13	PASS
	HCH	1	0	4.77	<13	PASS
		1	12	4.72	<13	PASS
		1	24	4.19	<13	PASS
		12	0	6.2	<13	PASS
		12	6	6.09	<13	PASS
		12	13	5.87	<13	PASS
		25	0	6.08	<13	PASS
		25	0	6.08	<13	PASS

Channel Bandwidth: 10 MHz

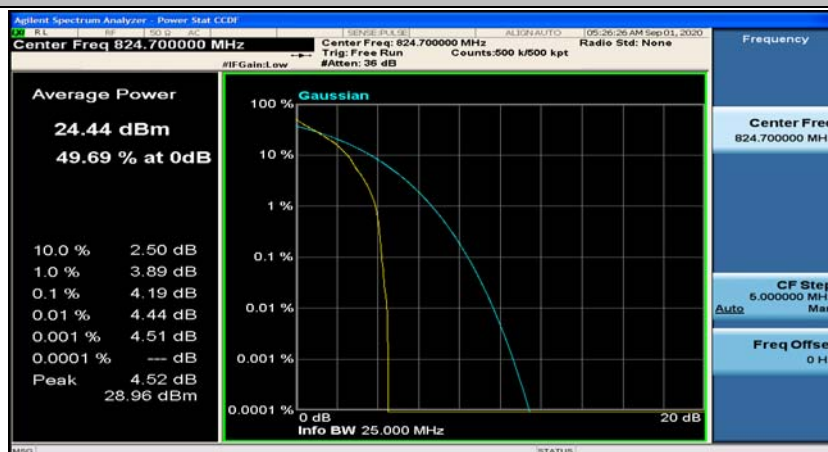
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.1	<13	PASS
		1	24	4.05	<13	PASS
		1	49	3.79	<13	PASS
		25	0	5.52	<13	PASS
		25	12	5.5	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.49	<13	PASS
		50	0	5.49	<13	PASS
	MCH	1	0	3.7	<13	PASS
		1	24	3.75	<13	PASS
		1	49	3.99	<13	PASS
		25	0	5.1	<13	PASS
		25	12	5.12	<13	PASS
		25	25	5.21	<13	PASS

		50	0	5.26	<13	PASS
	HCH	1	0	3.78	<13	PASS
		1	24	4.08	<13	PASS
		1	49	3.44	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.21	<13	PASS
		50	0	5.47	<13	PASS
16QAM	LCH	1	0	5.03	<13	PASS
		1	24	4.95	<13	PASS
		1	49	4.82	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.31	<13	PASS
		25	25	6.07	<13	PASS
		50	0	6.23	<13	PASS
	MCH	1	0	4.73	<13	PASS
		1	24	4.81	<13	PASS
		1	49	5.06	<13	PASS
		25	0	6.01	<13	PASS
		25	12	5.95	<13	PASS
		25	25	6.05	<13	PASS
		50	0	5.94	<13	PASS
	HCH	1	0	4.89	<13	PASS
		1	24	4.9	<13	PASS
		1	49	4.2	<13	PASS
		25	0	6.27	<13	PASS
		25	12	6.38	<13	PASS
		25	25	6.16	<13	PASS
		50	0	6.23	<13	PASS

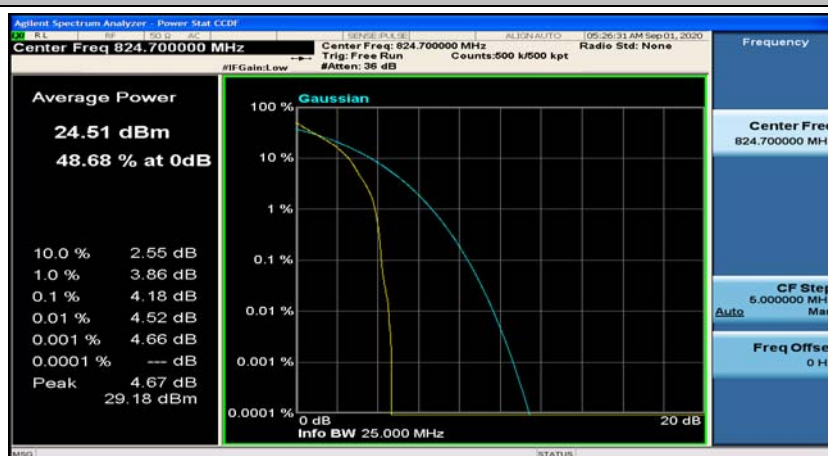
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



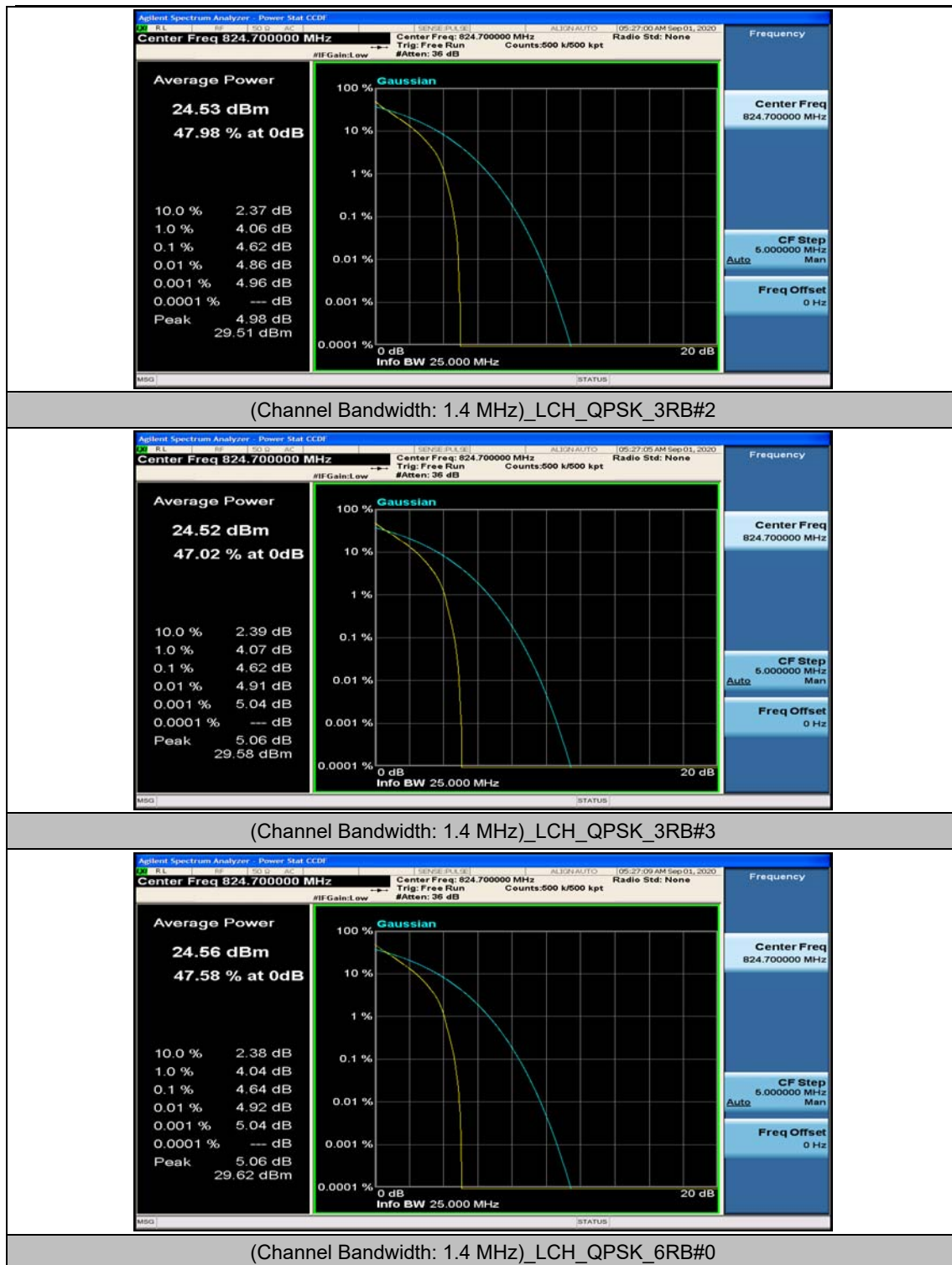
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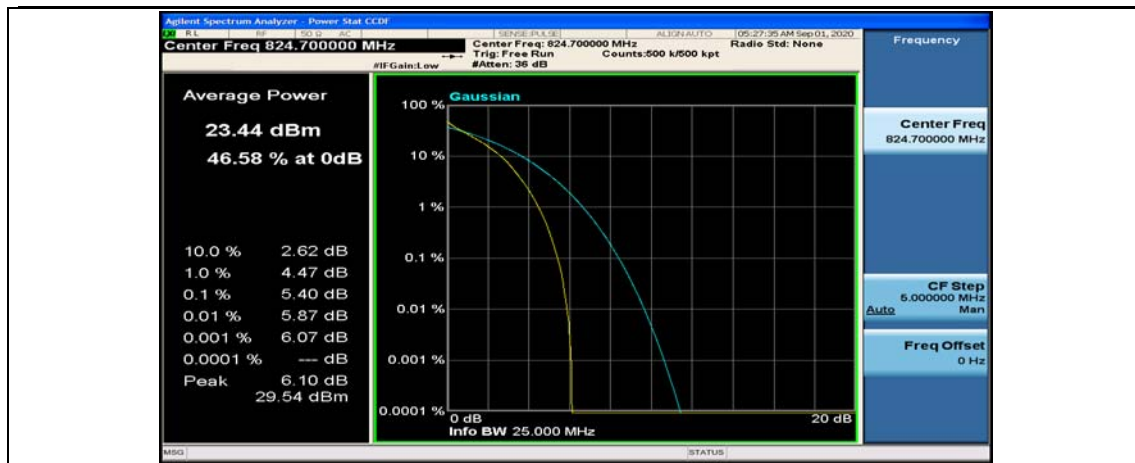


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

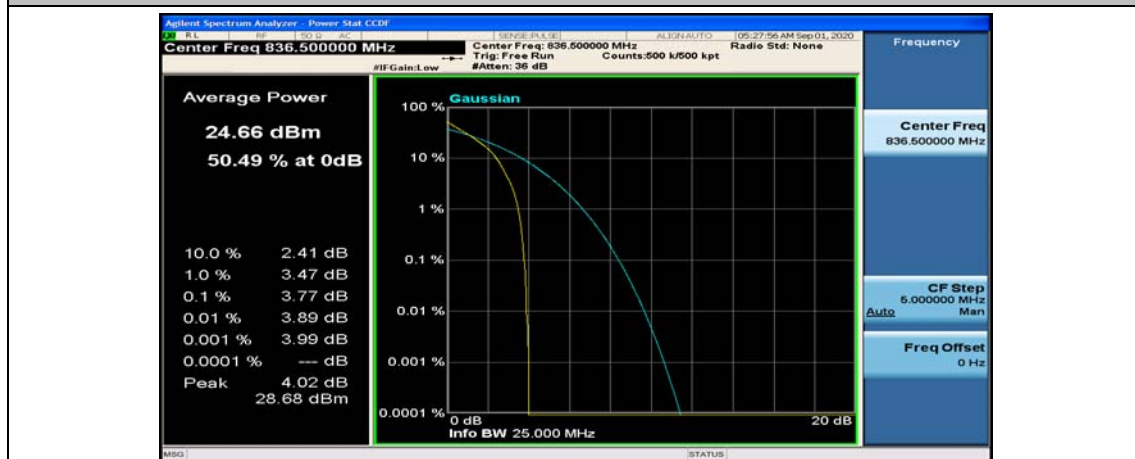




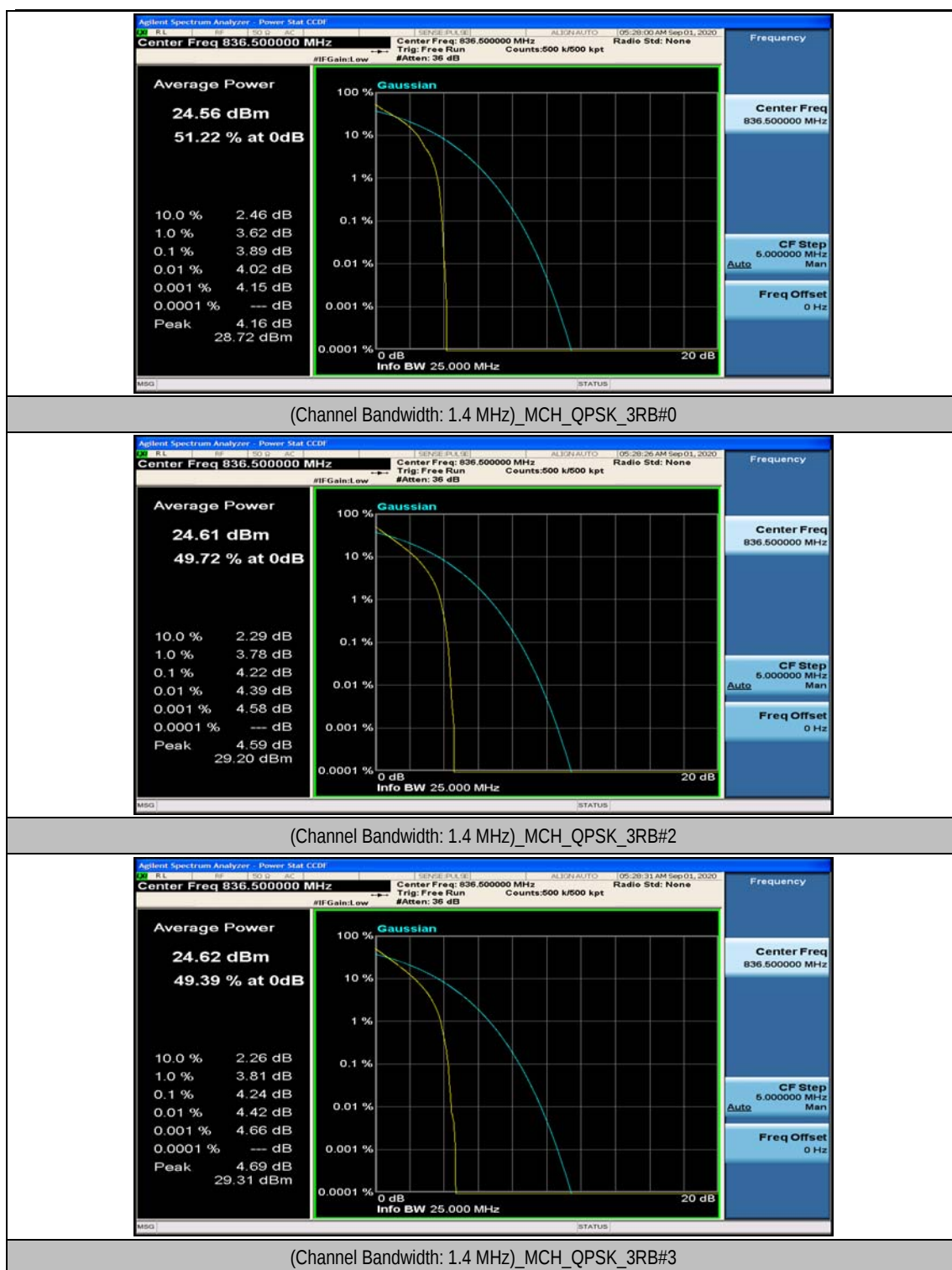
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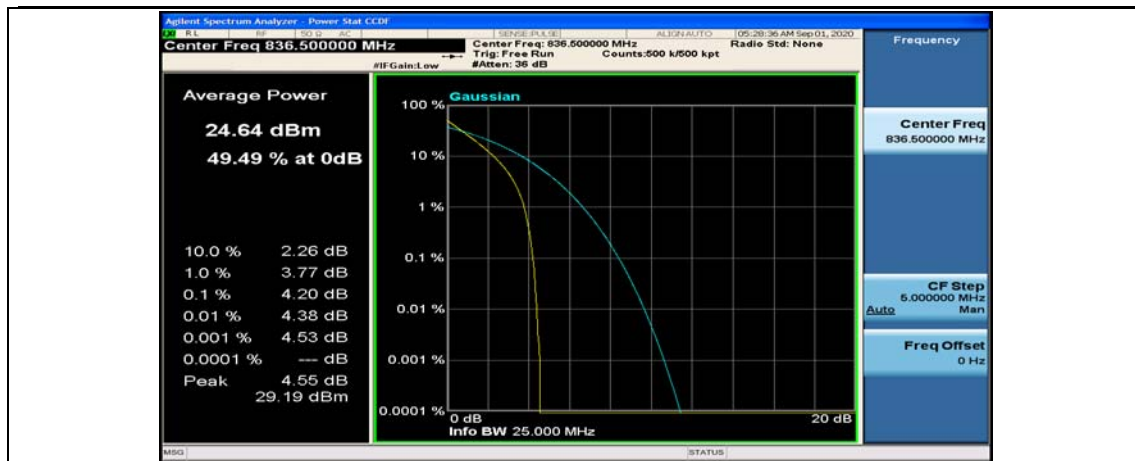


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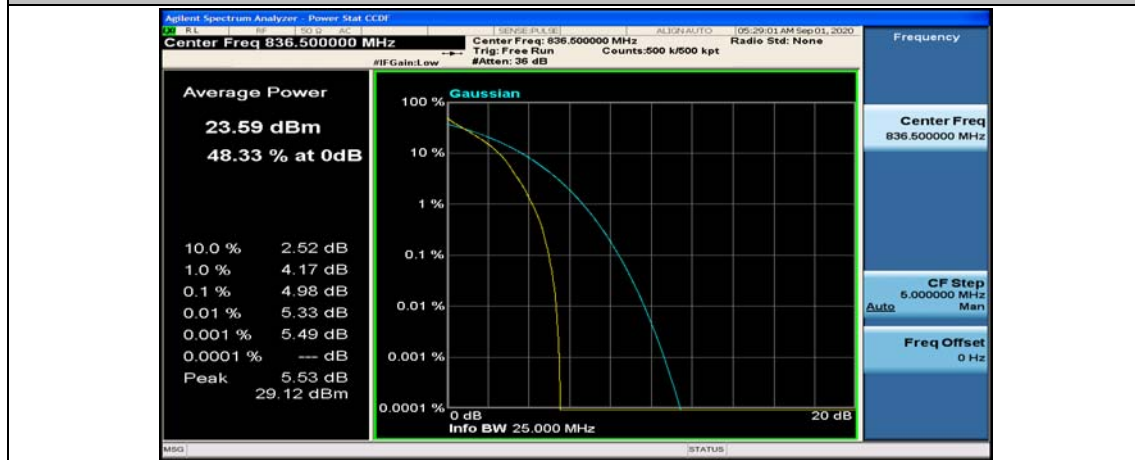


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5





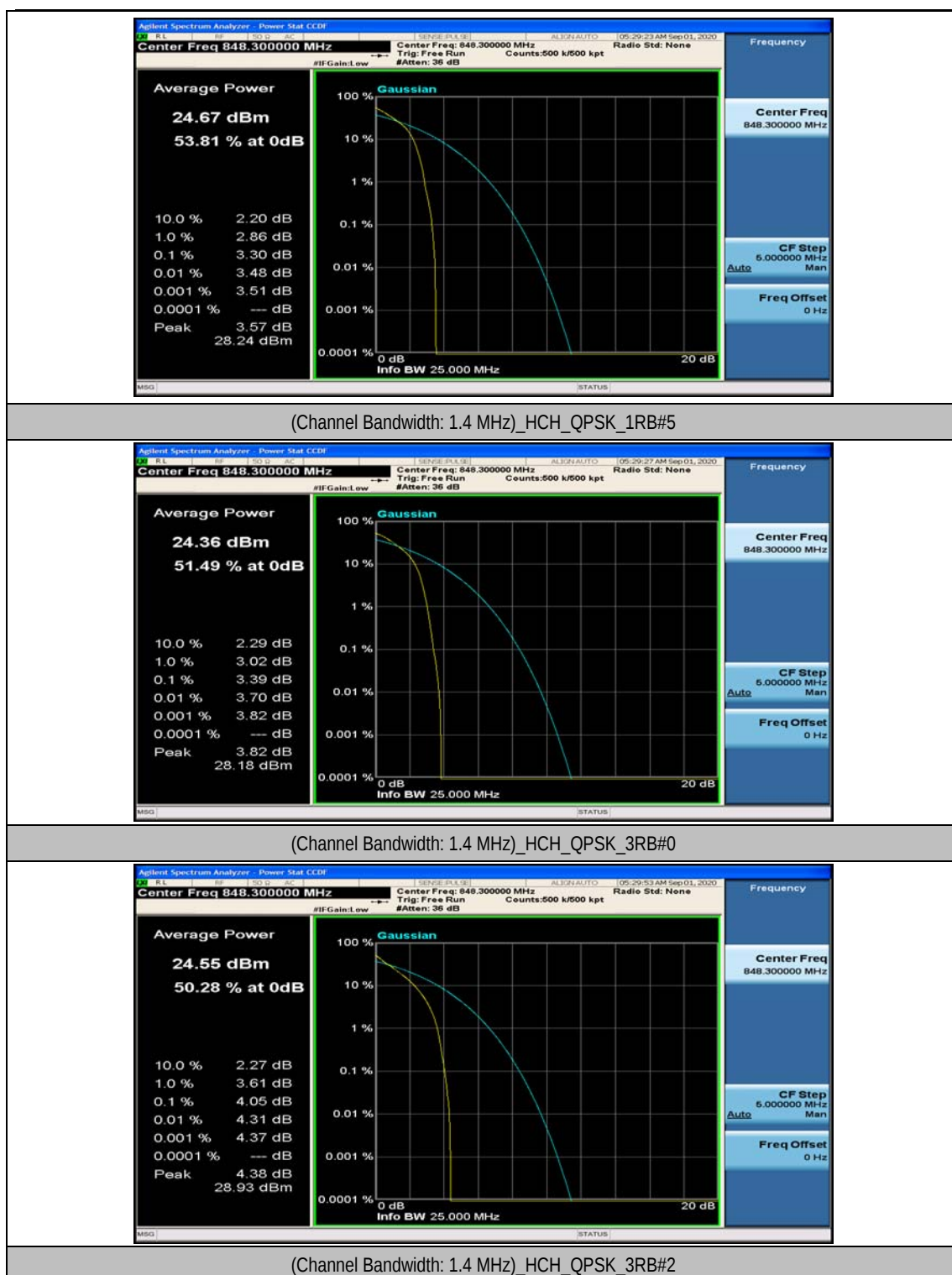
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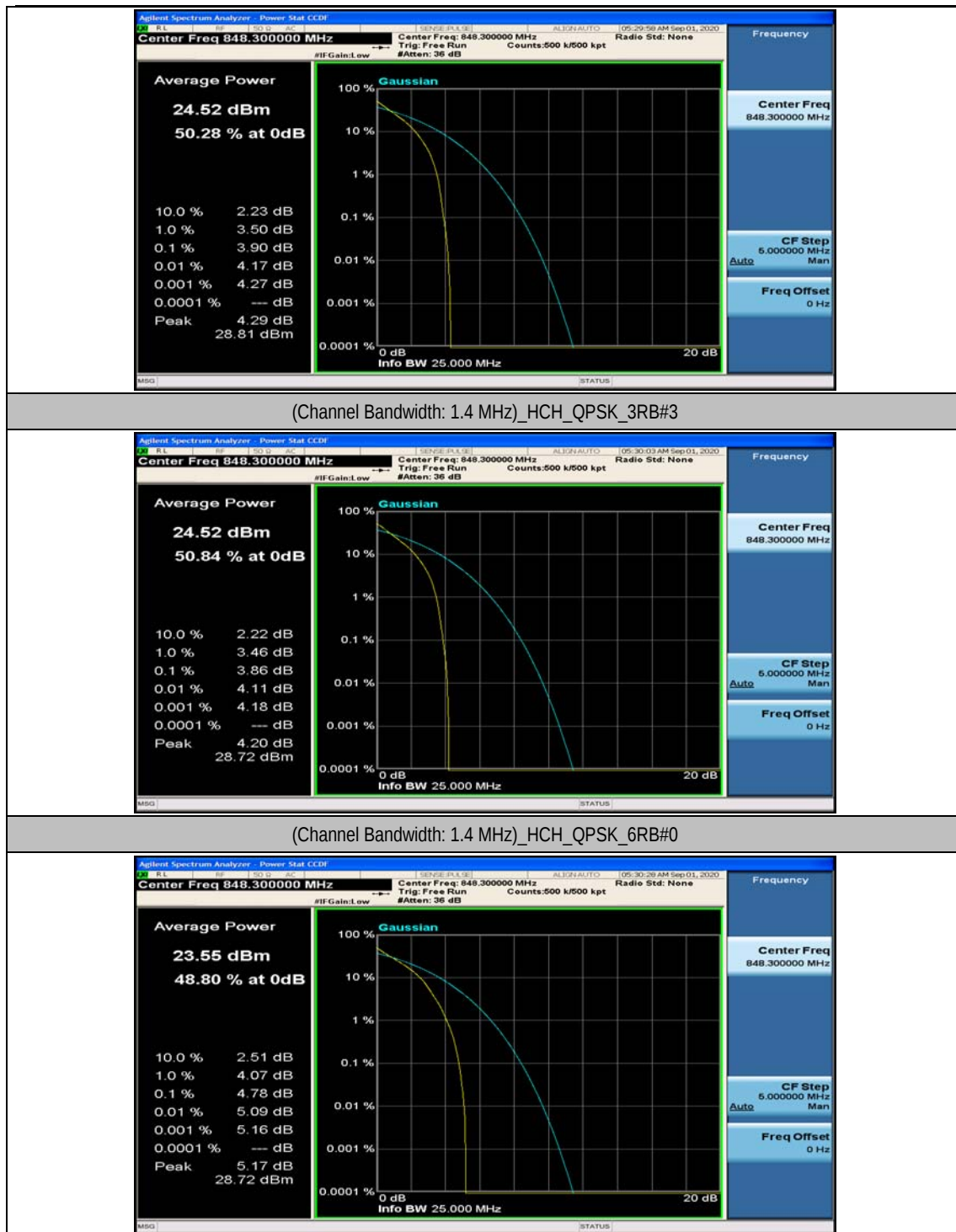


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3





(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



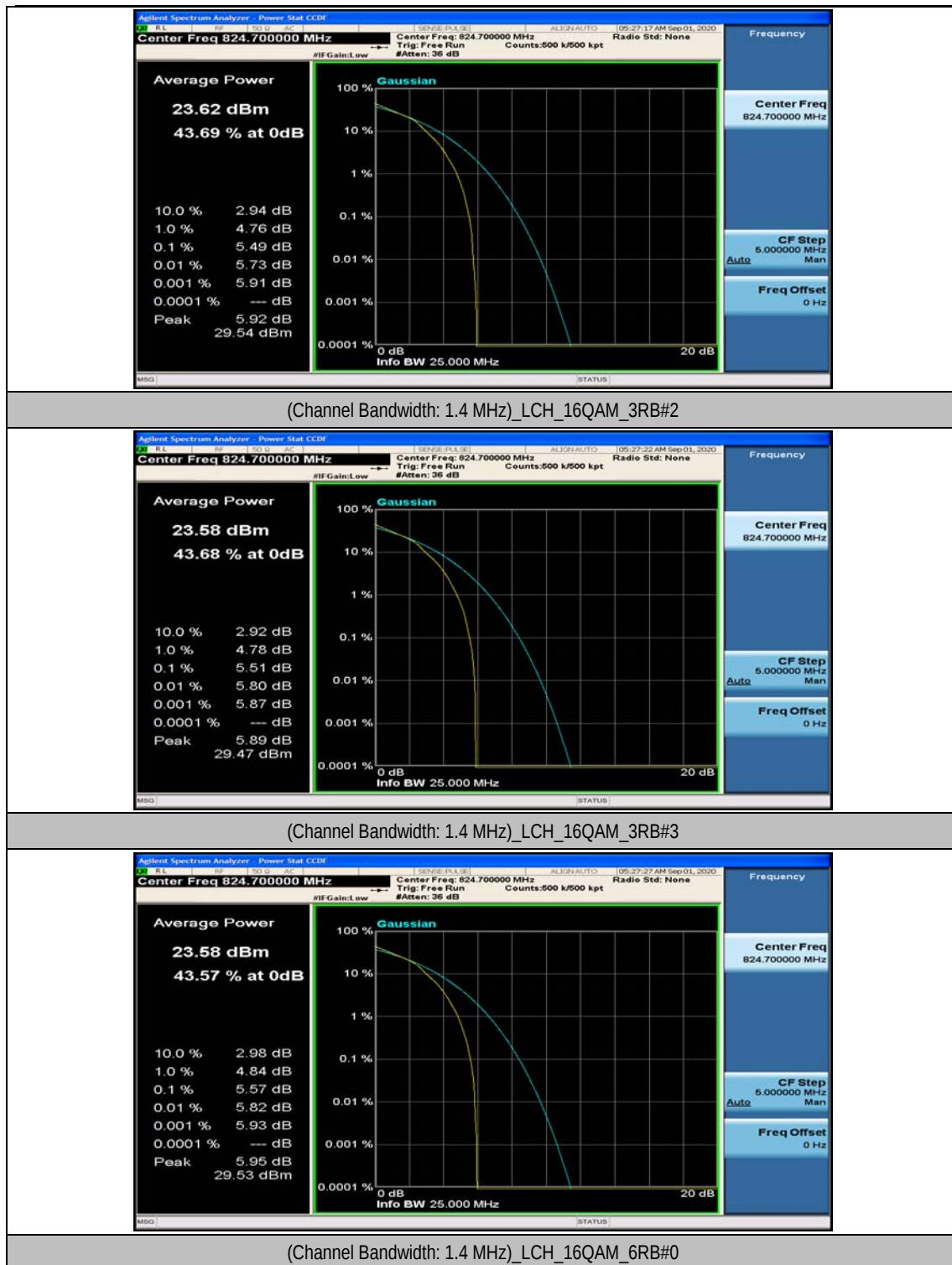
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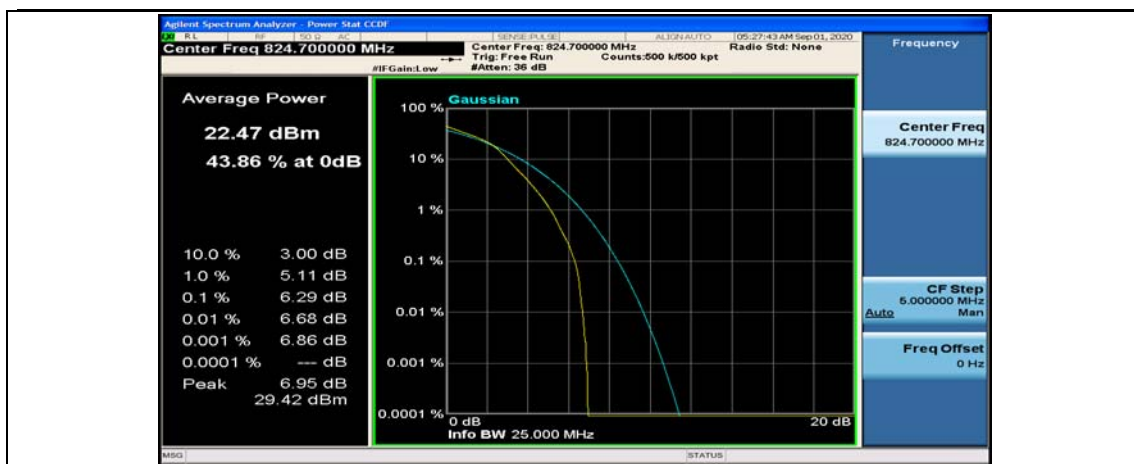


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0





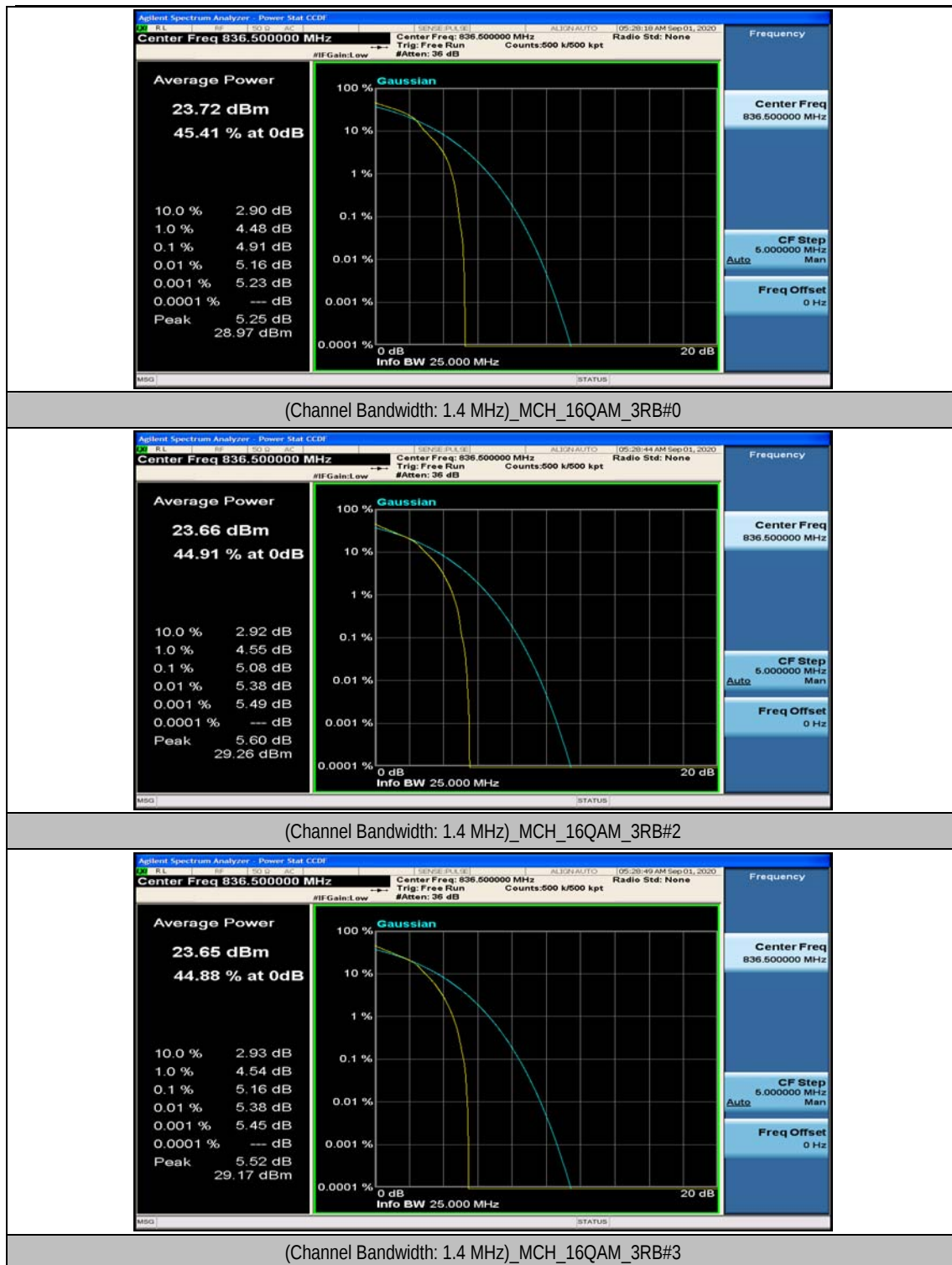
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5





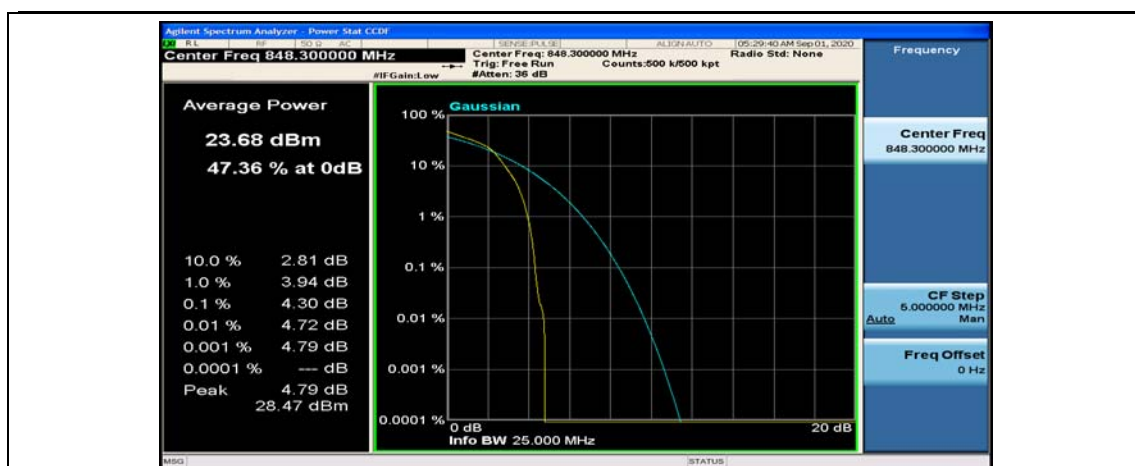
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



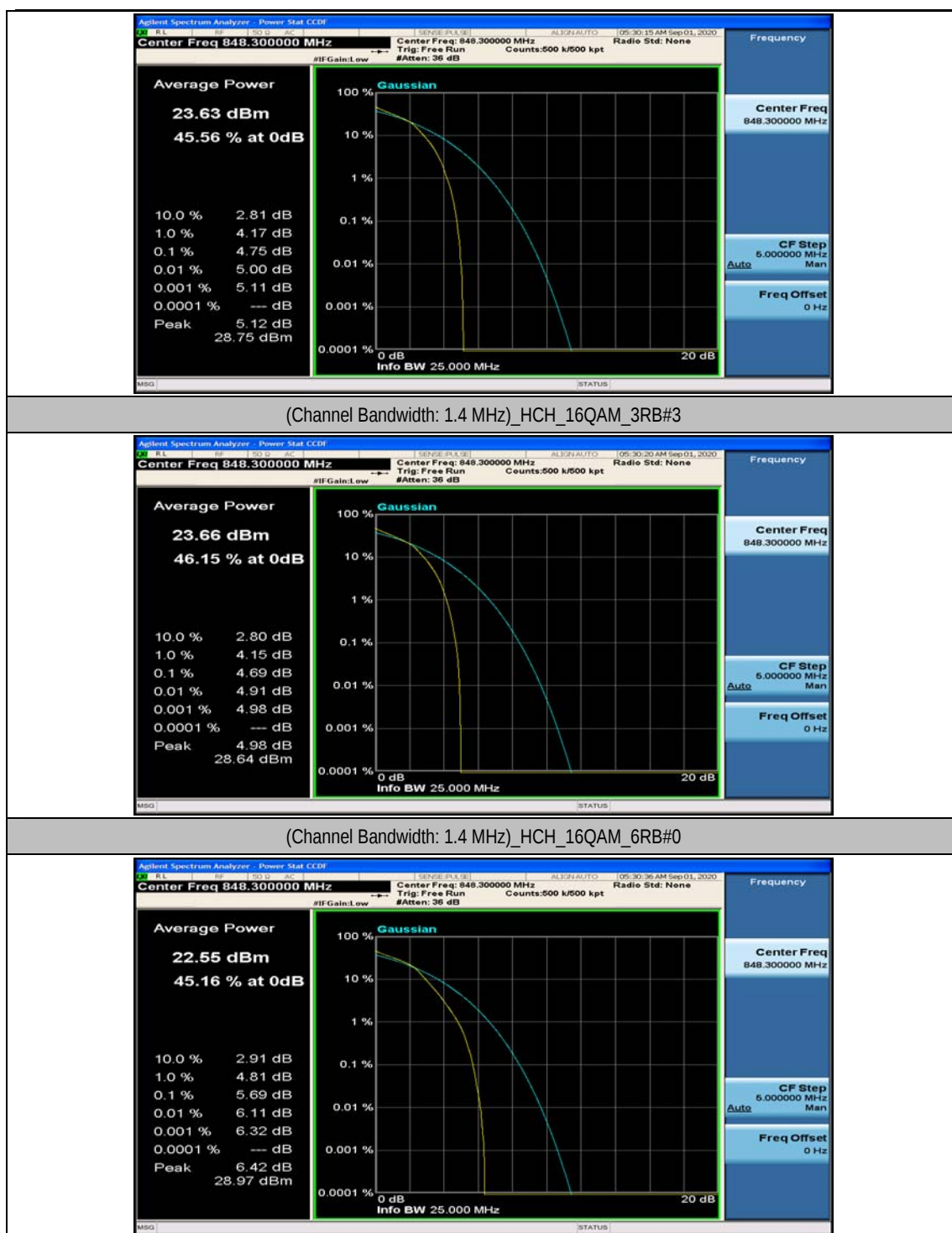
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

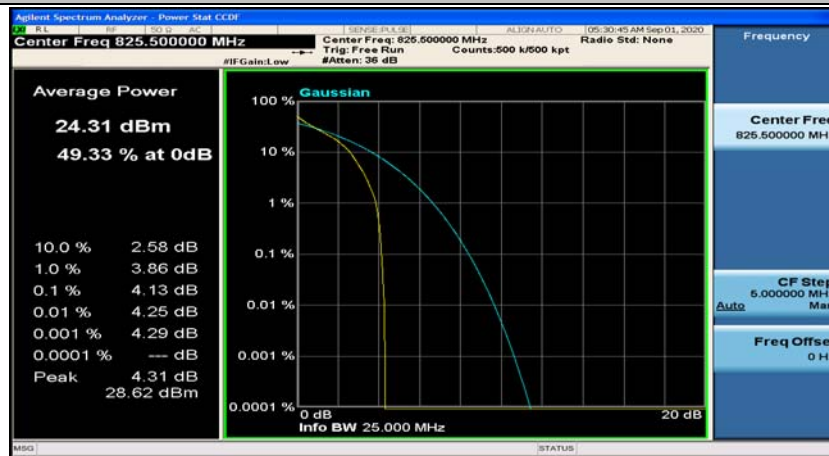


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

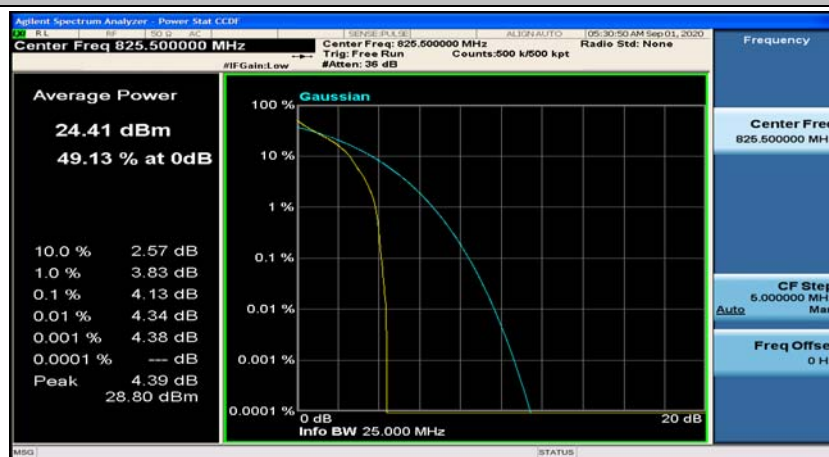


Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



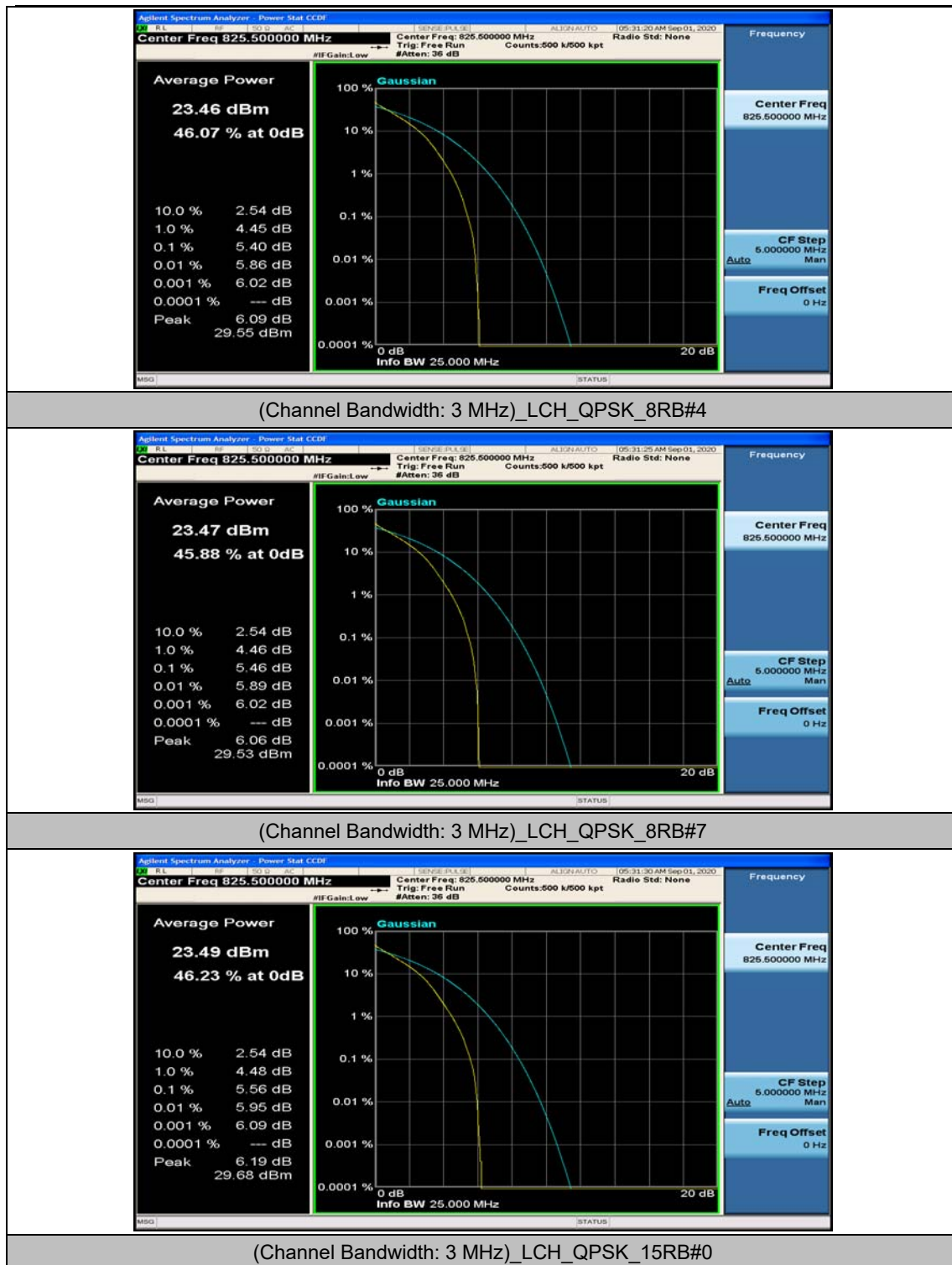
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

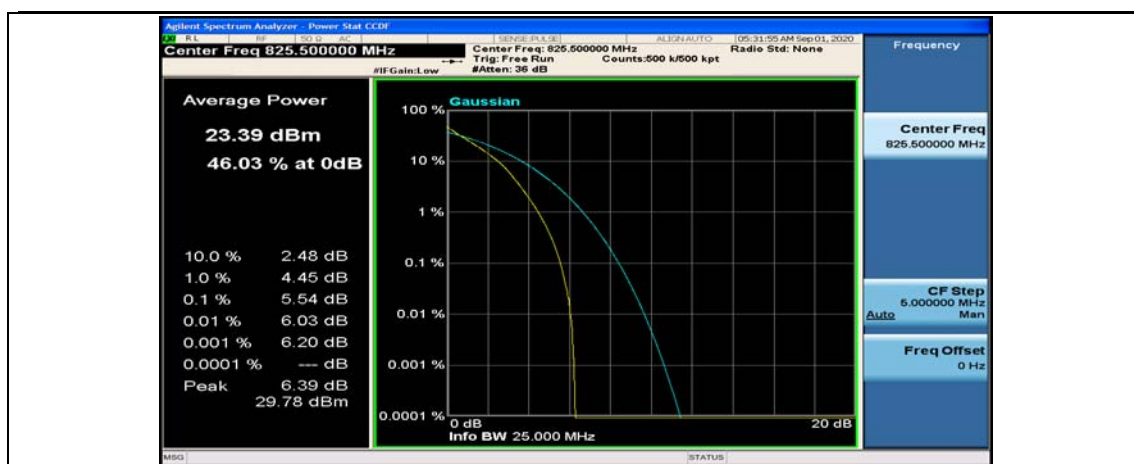


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0





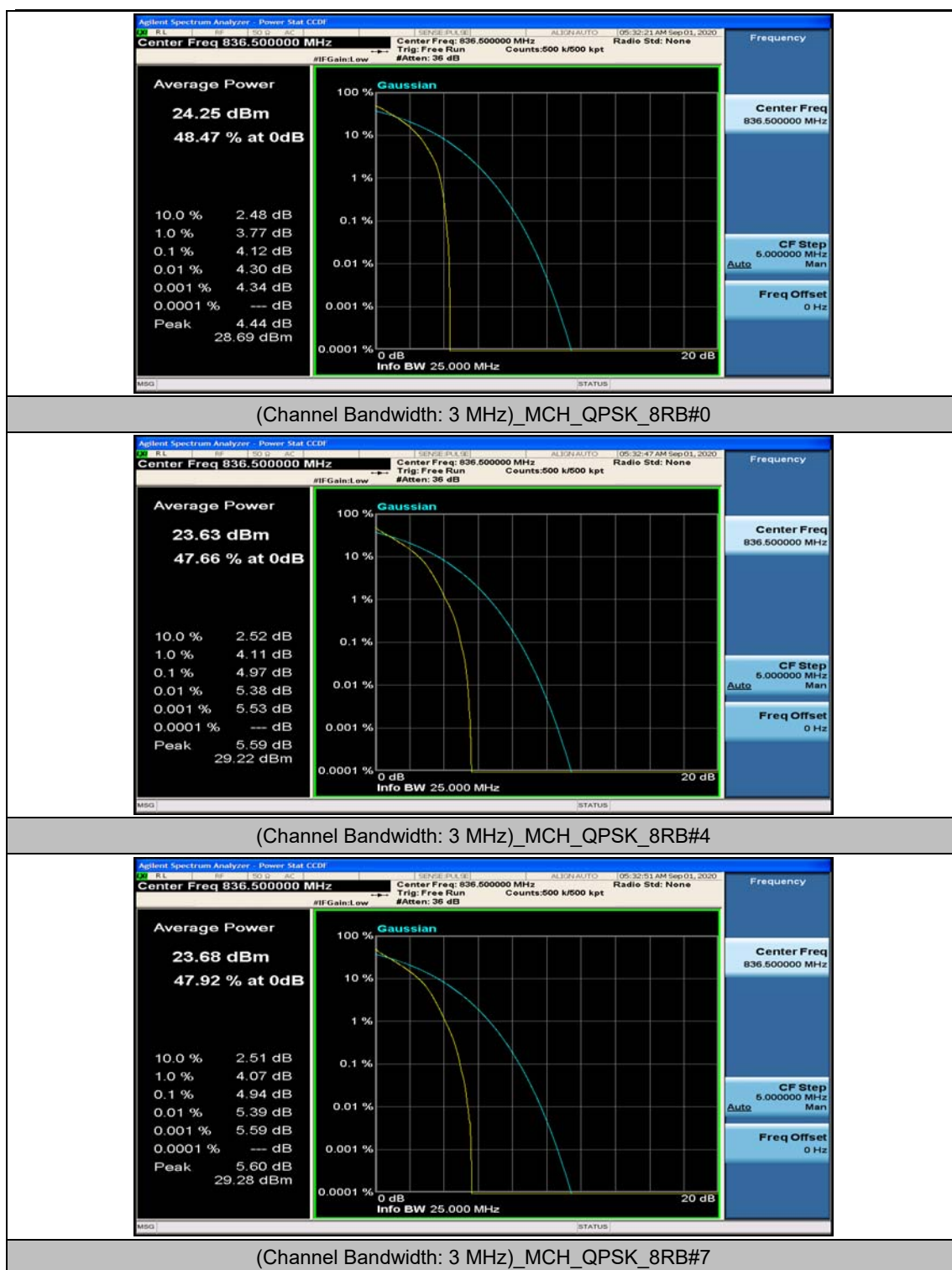
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14





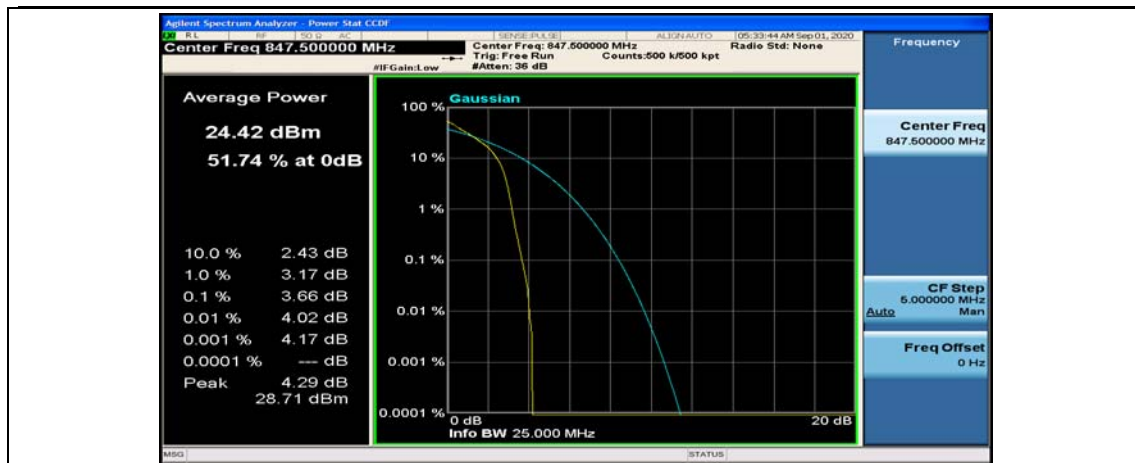
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



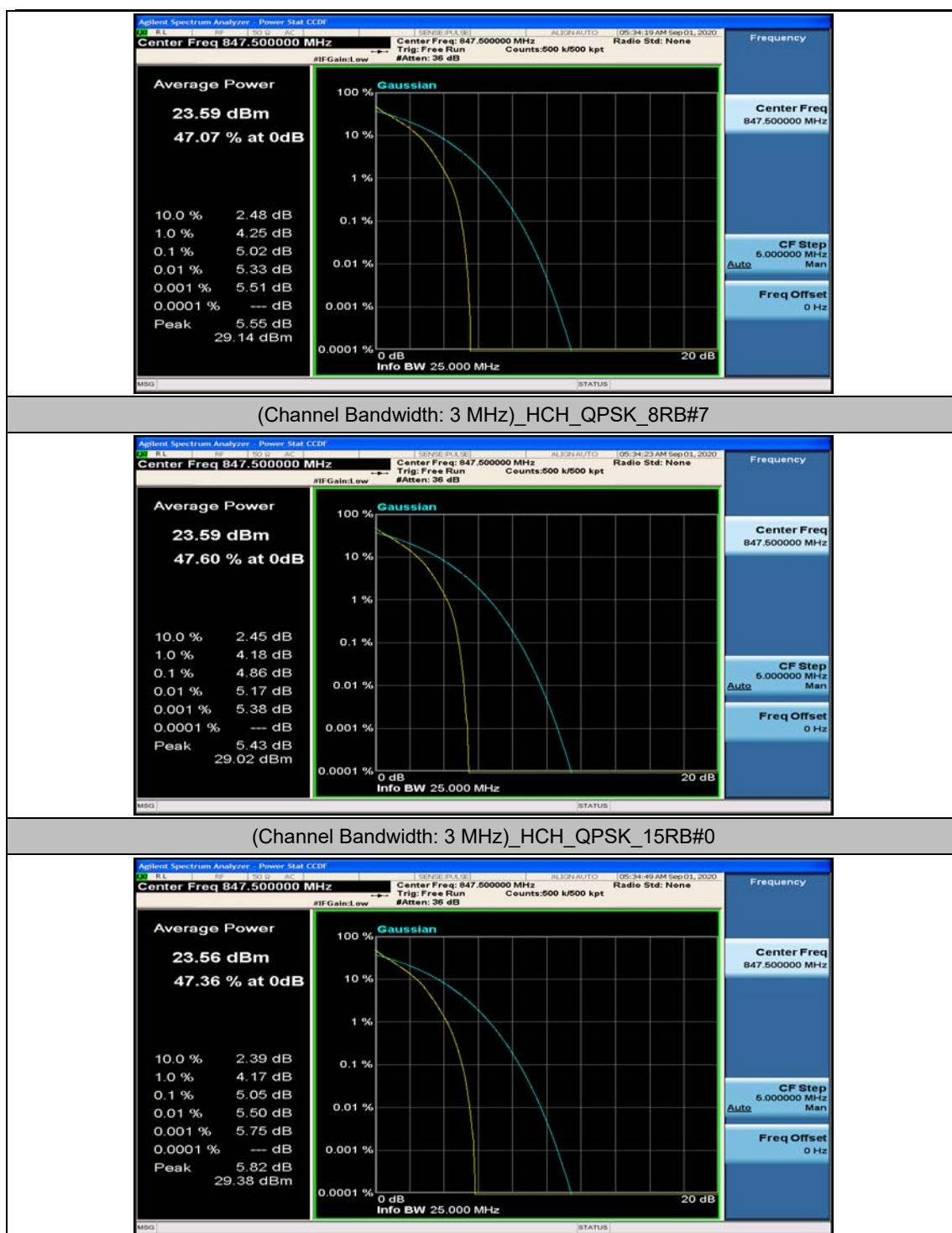
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



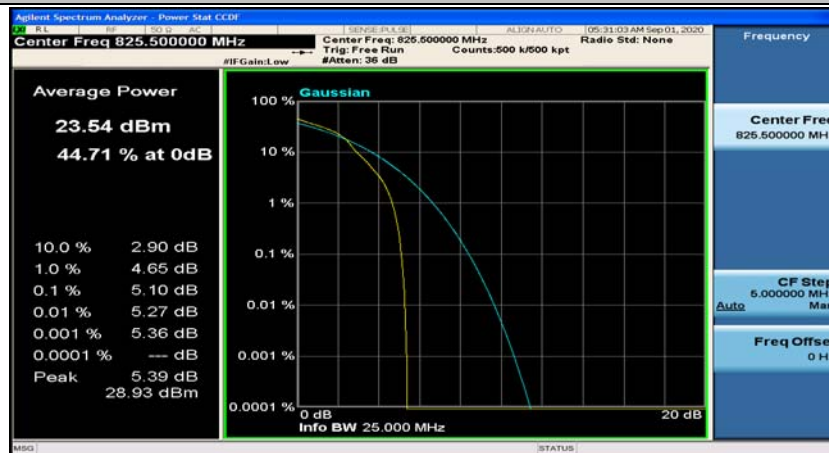
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



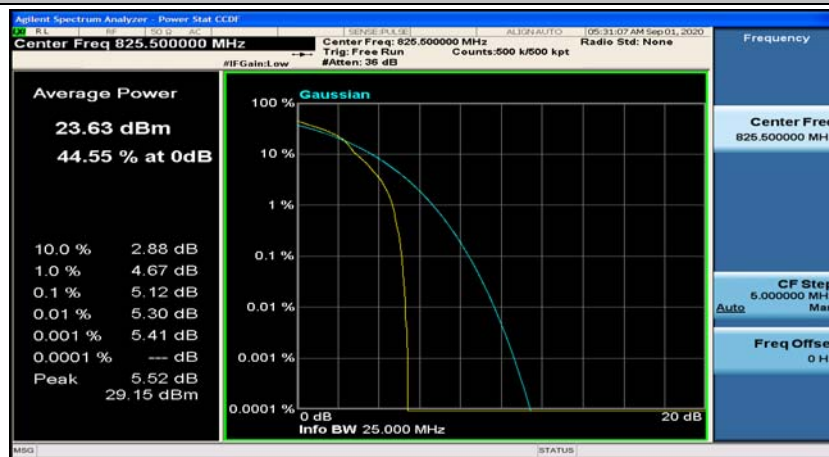
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



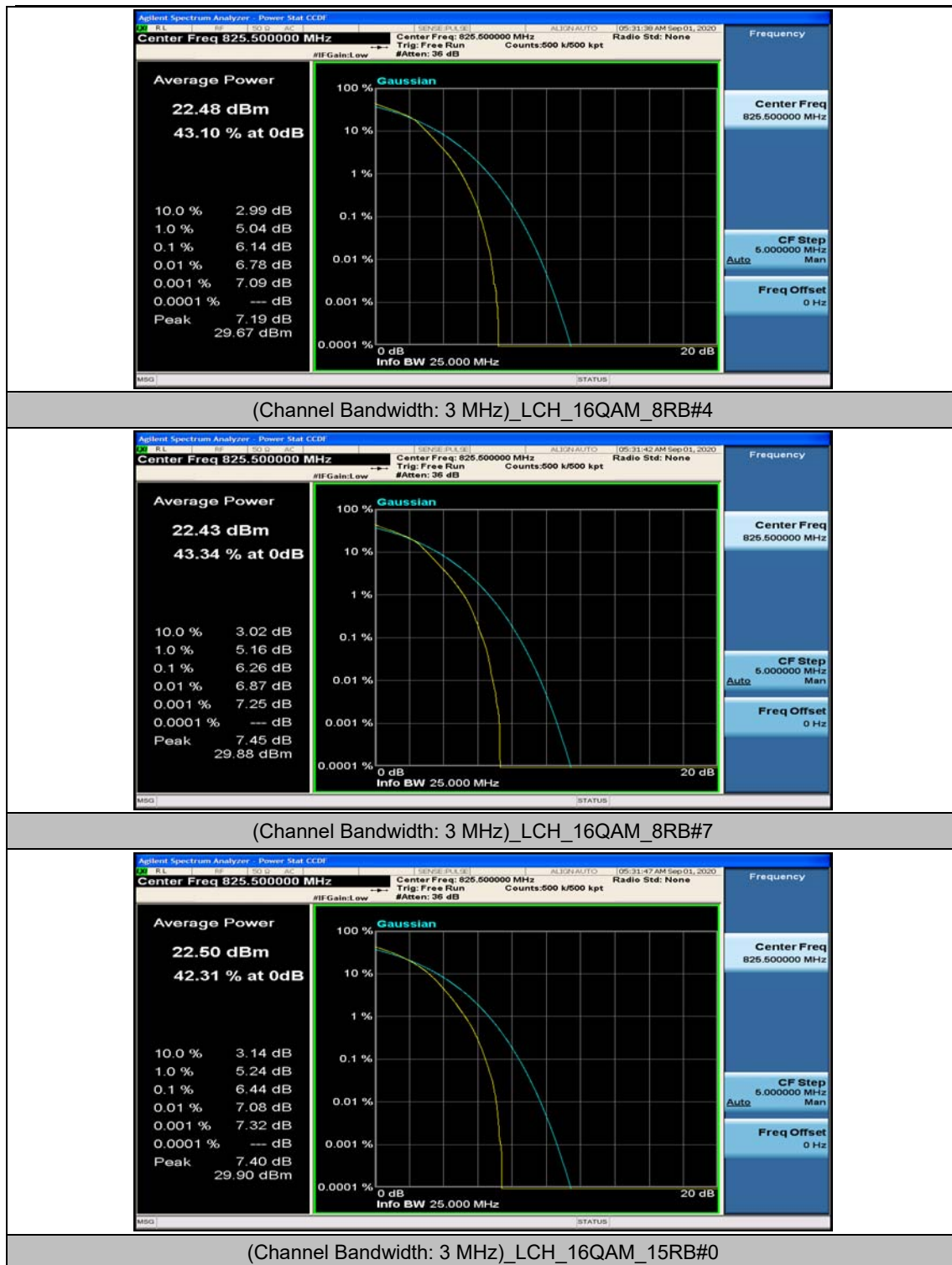
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0





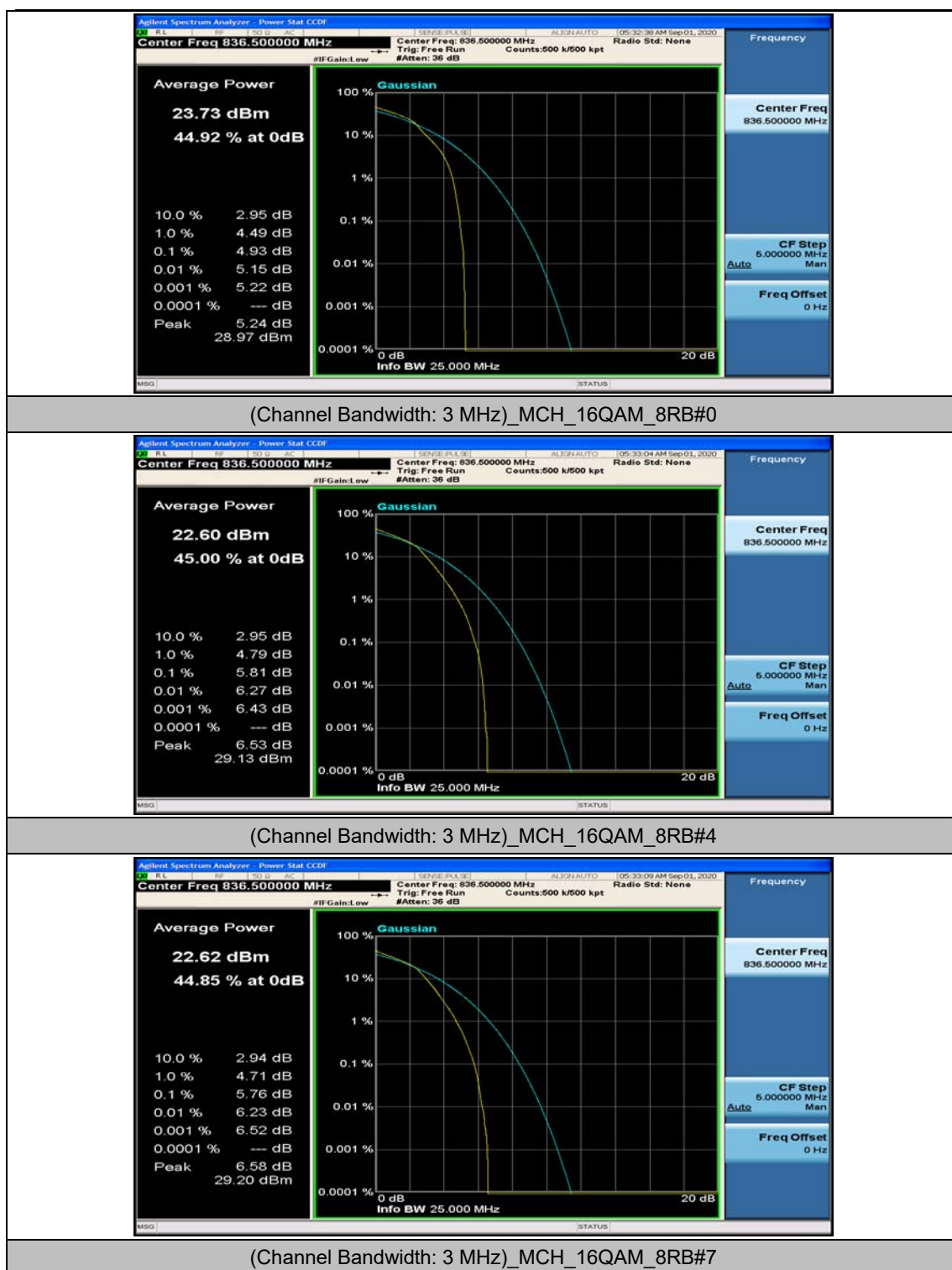
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14





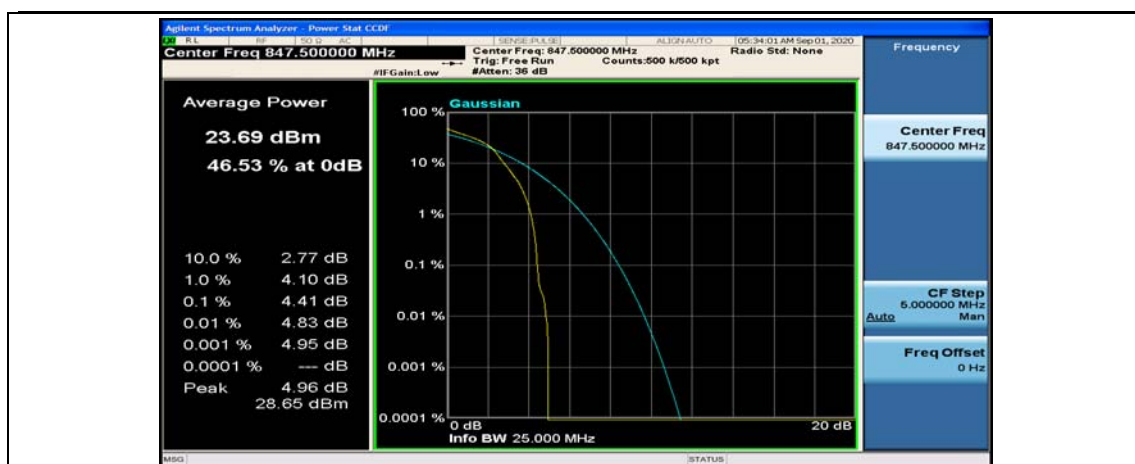
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



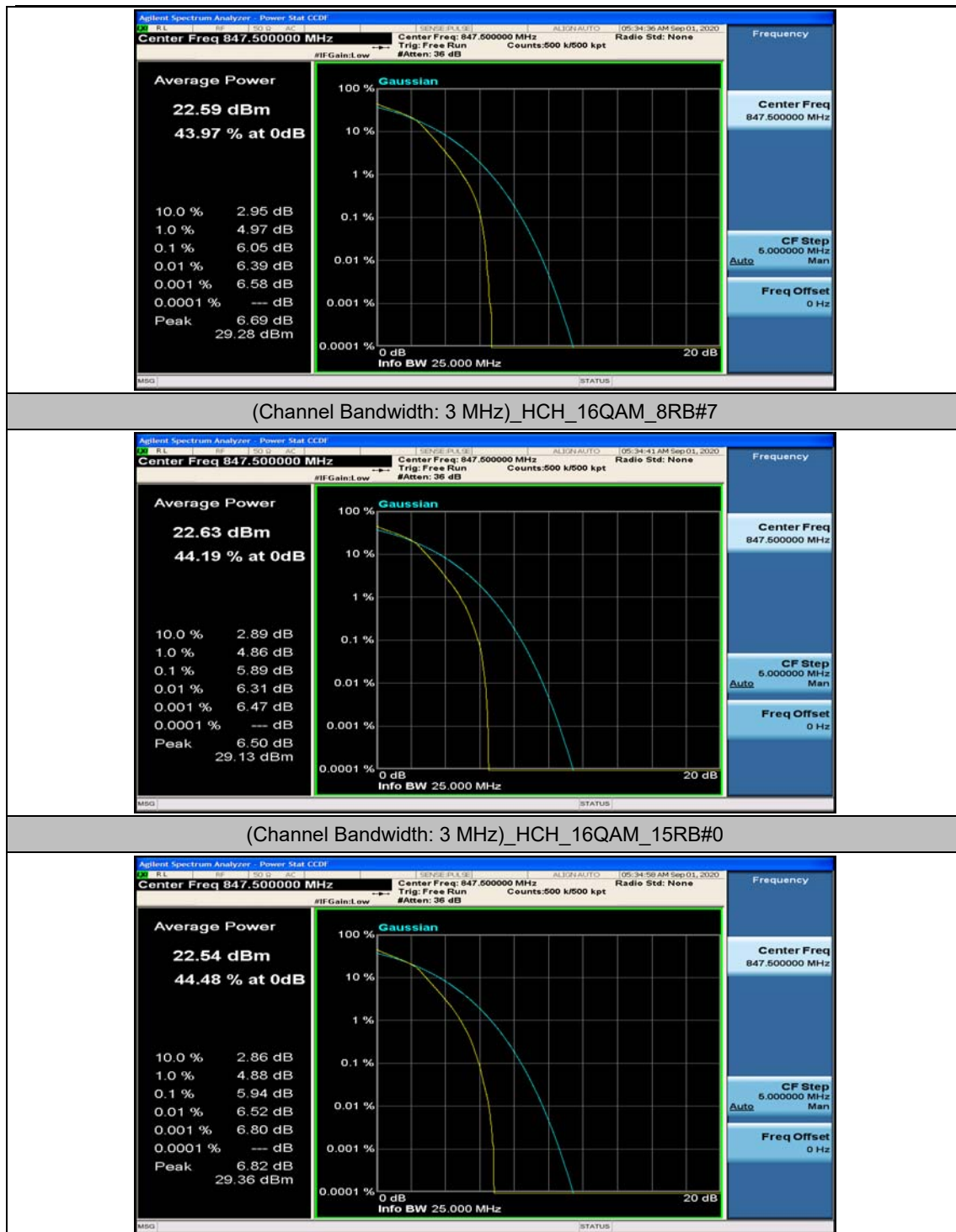
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

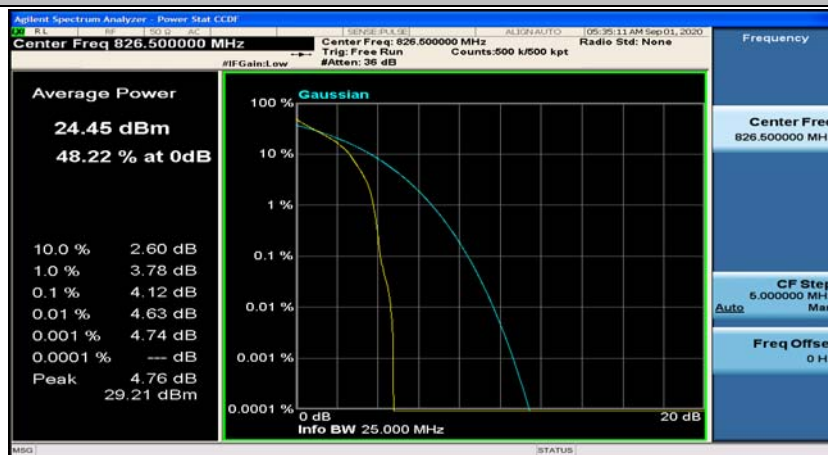


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



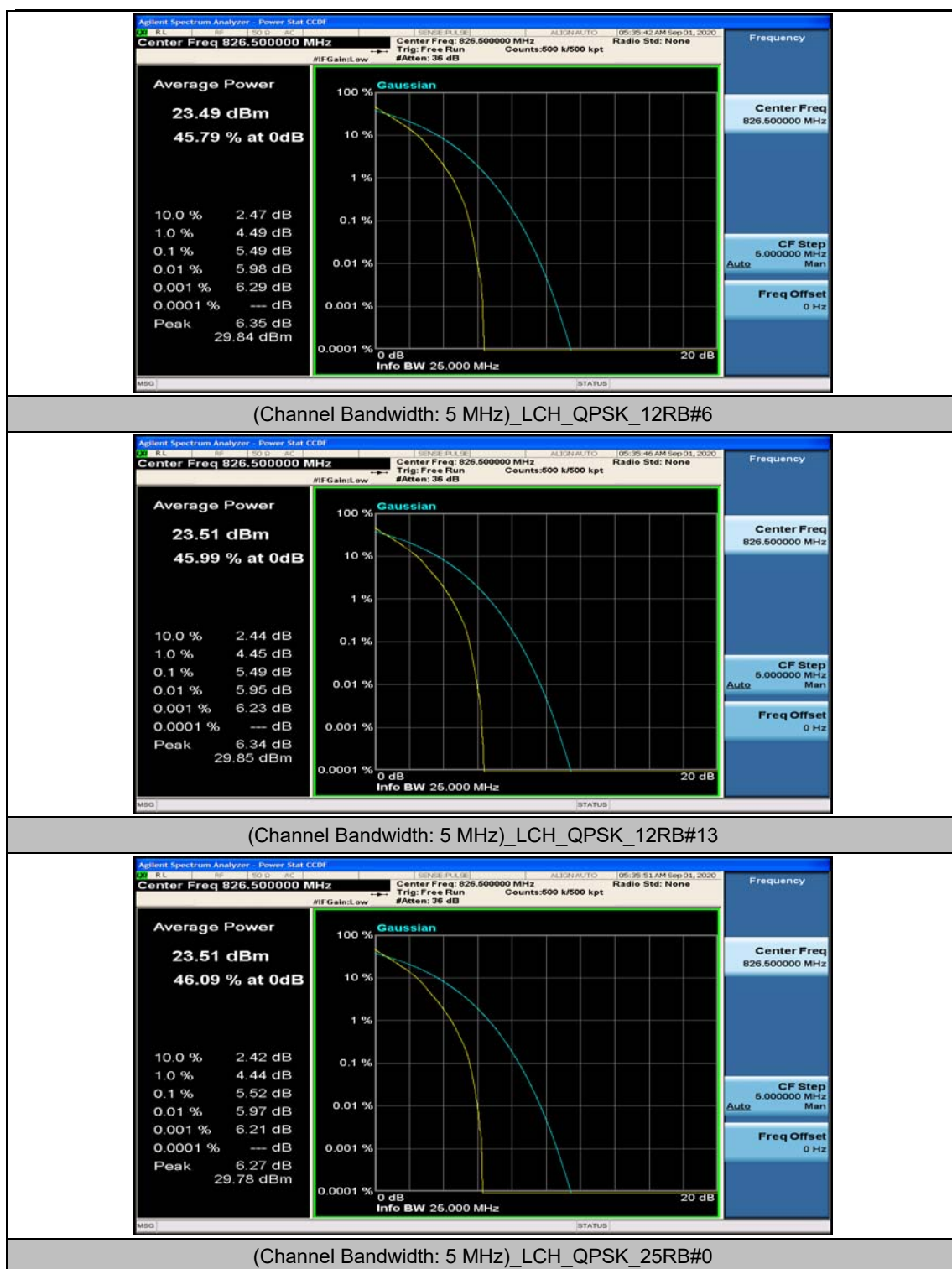
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

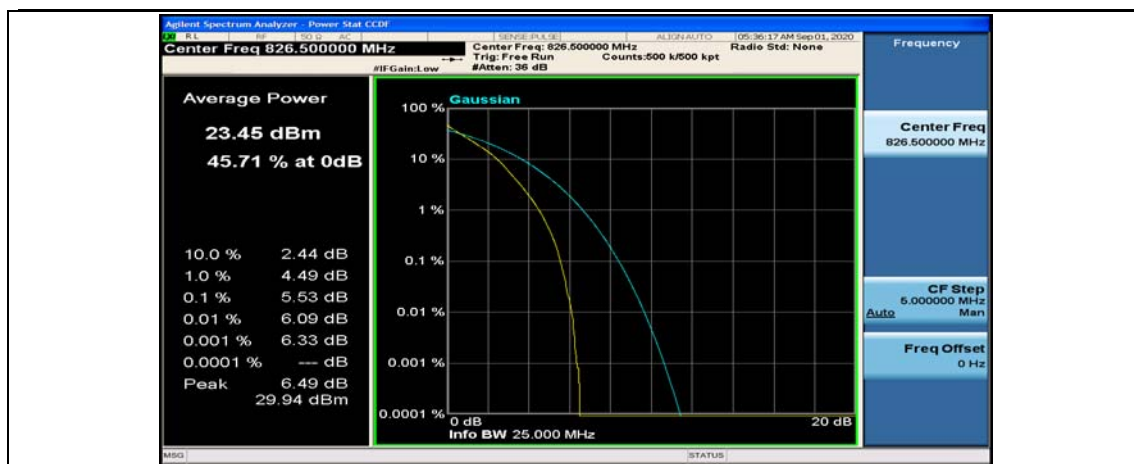


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0





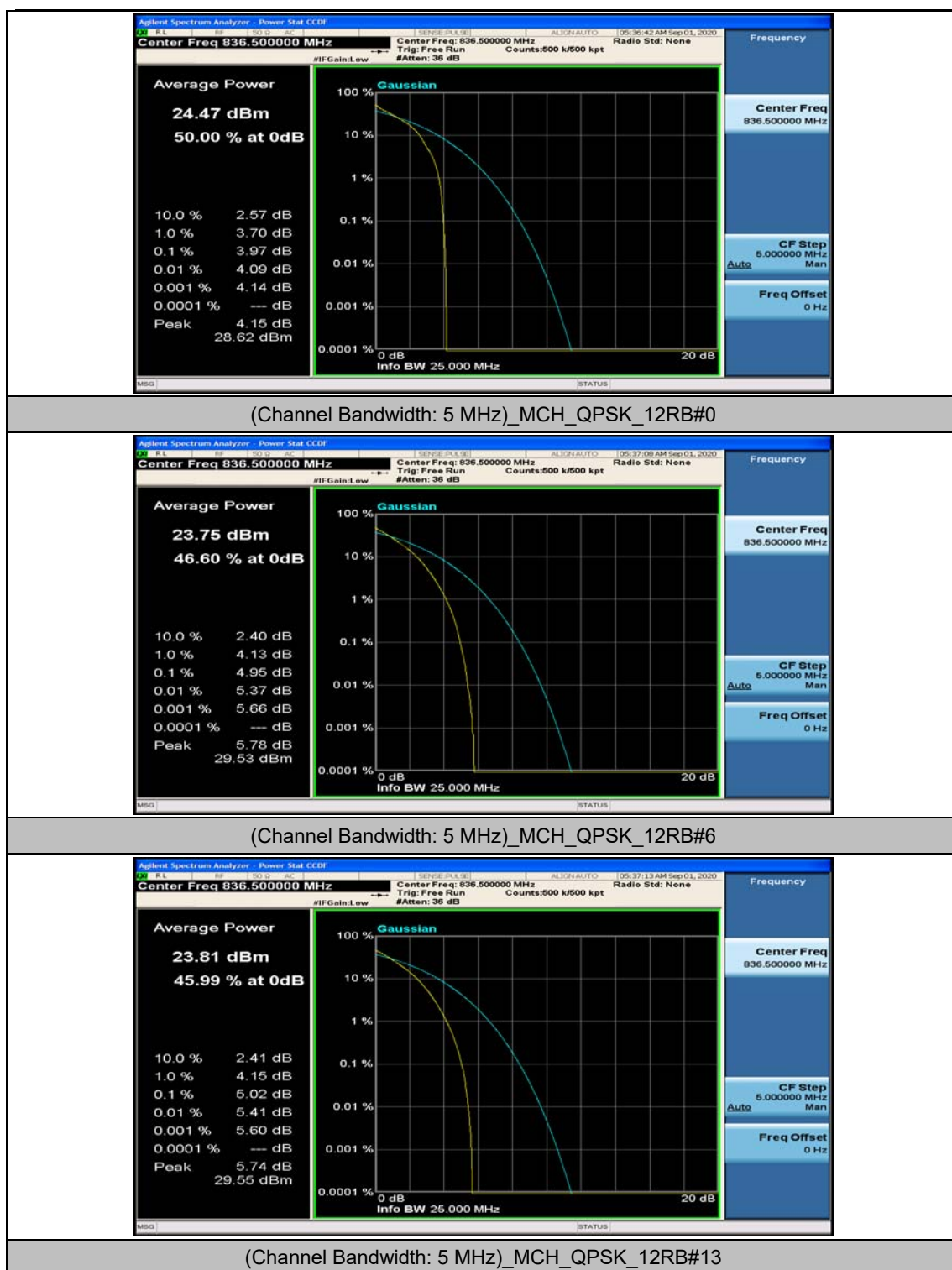
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

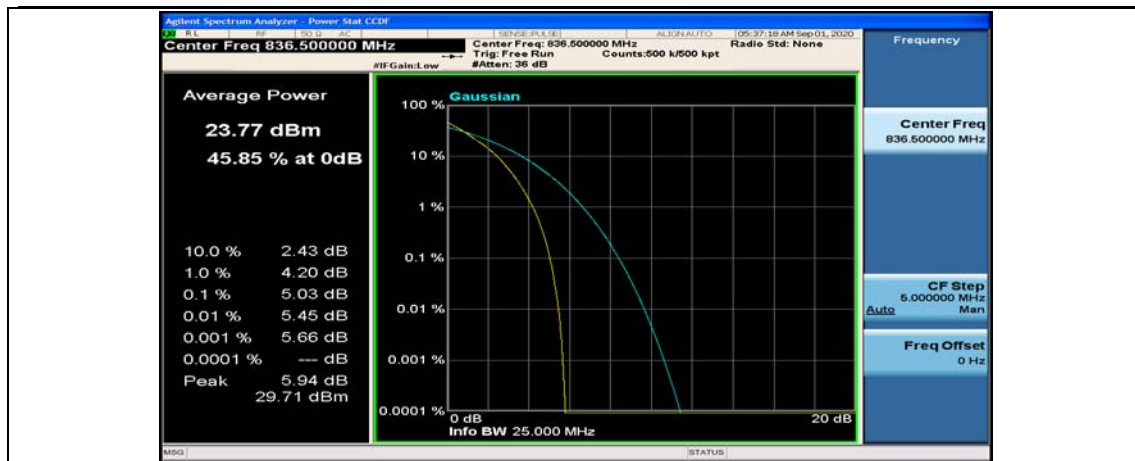


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

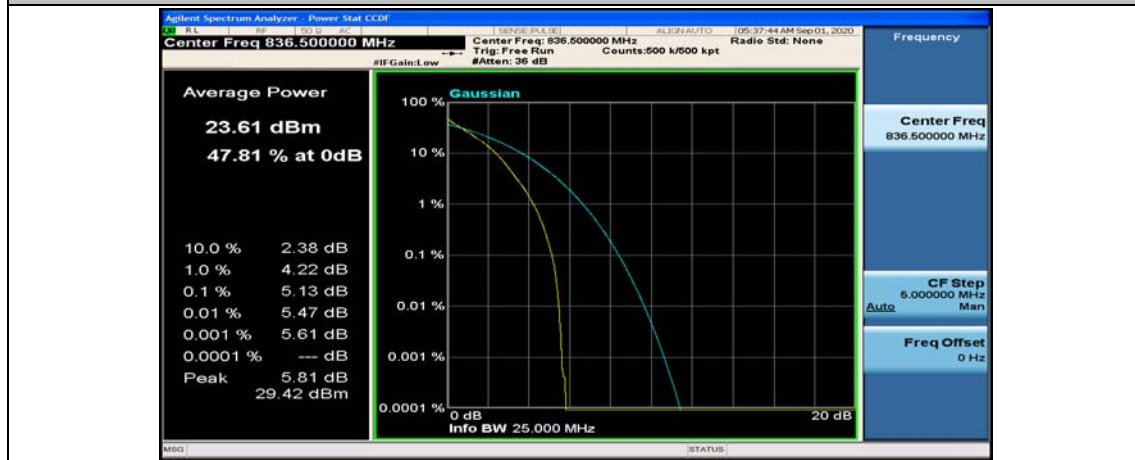


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24





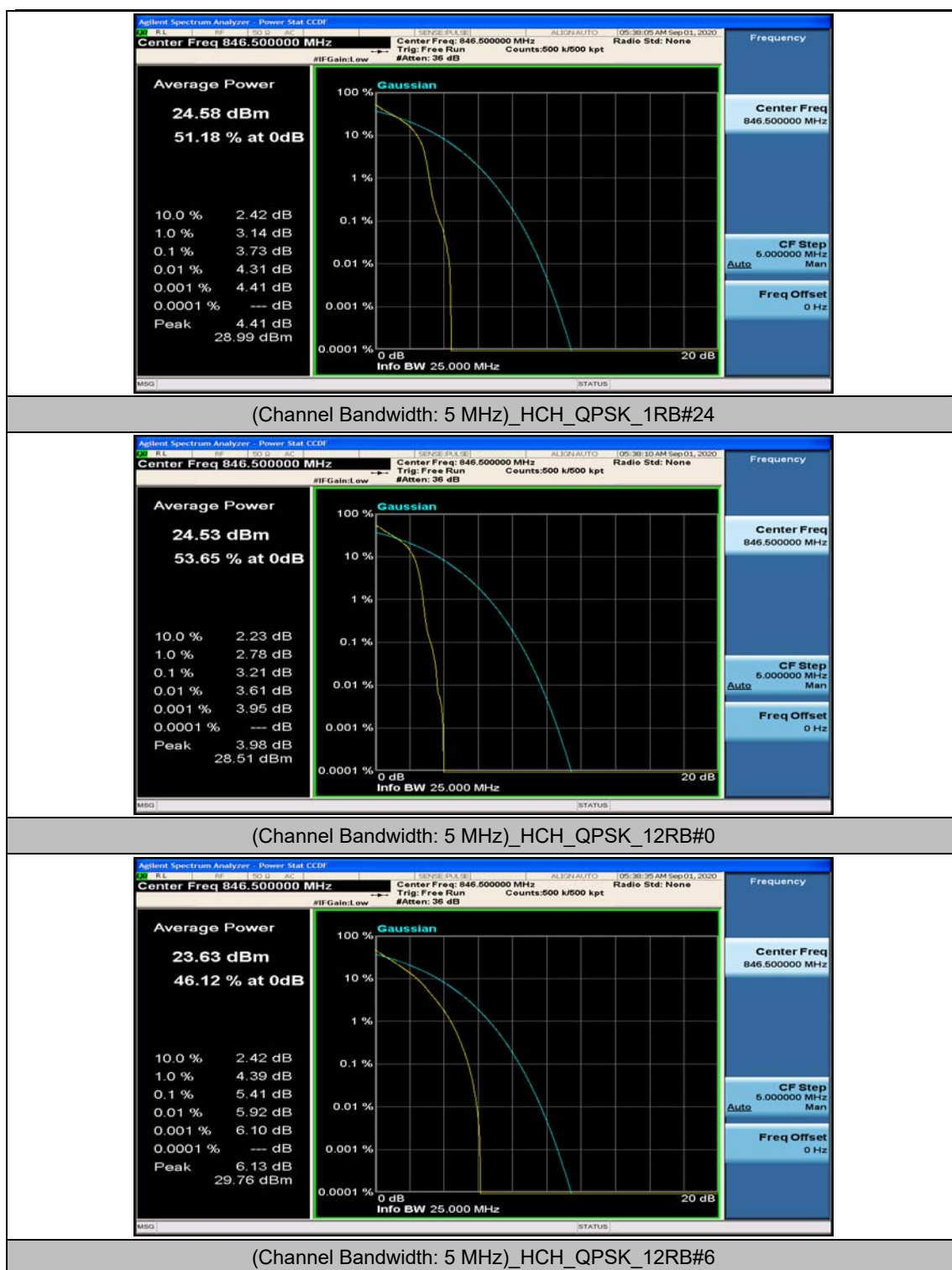
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

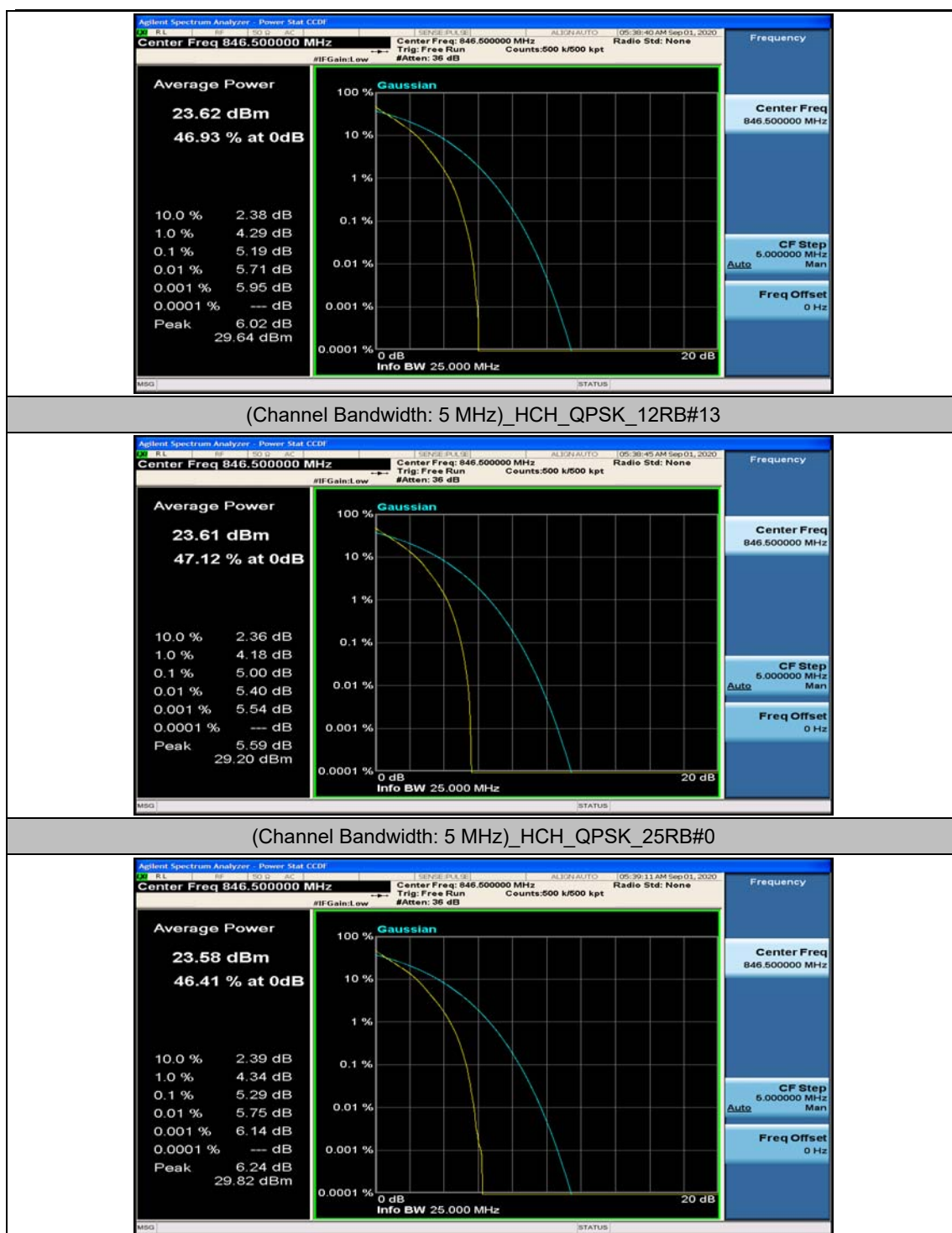


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12





(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



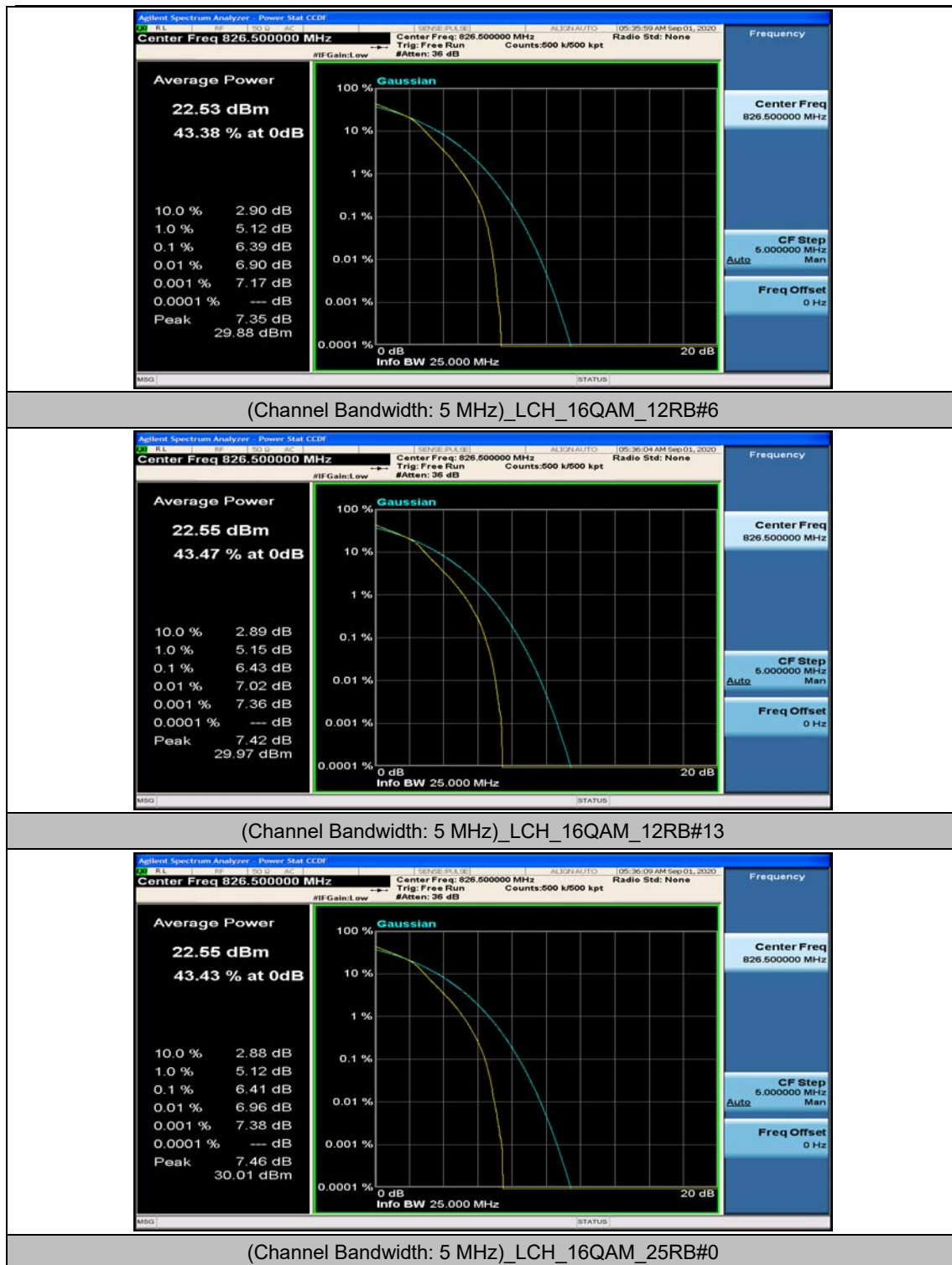
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0





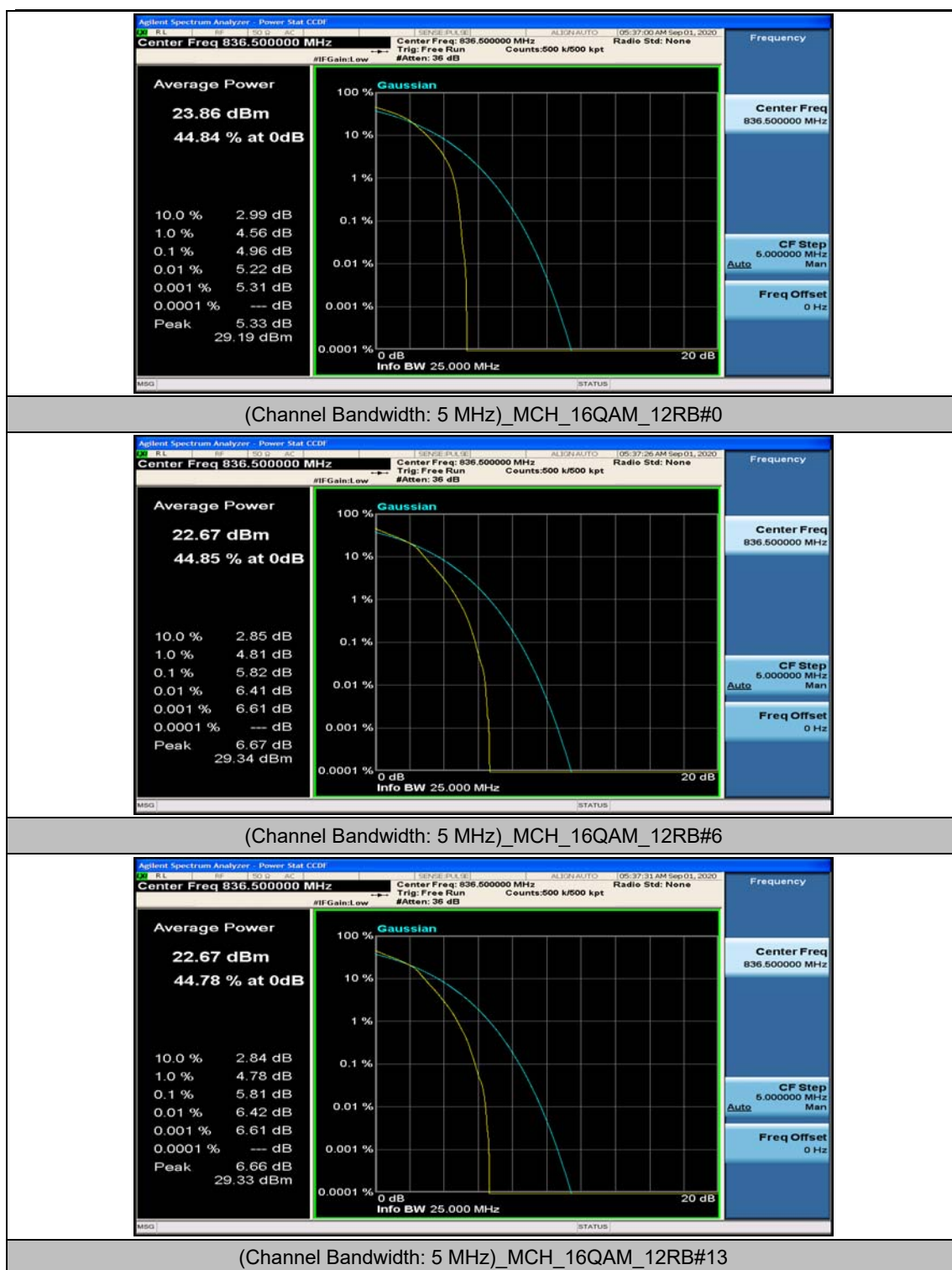
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

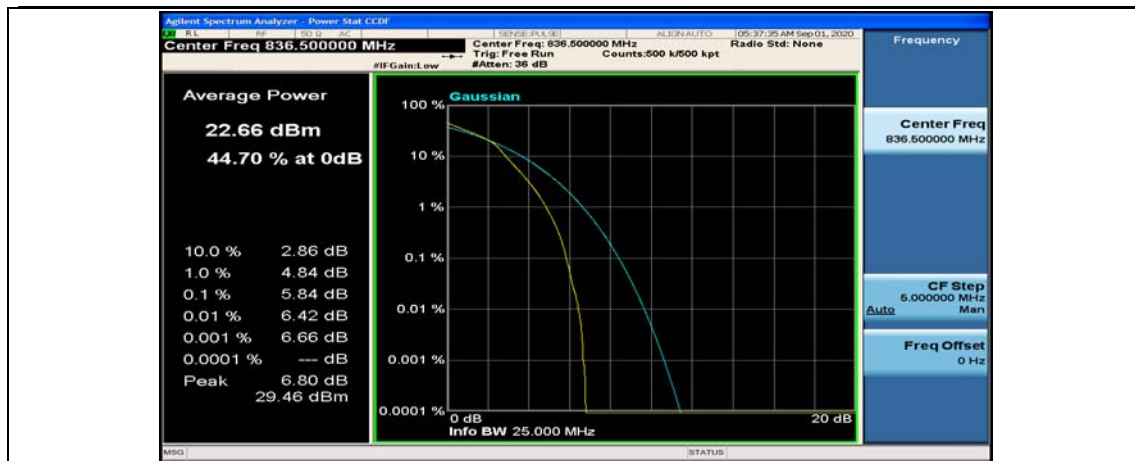


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

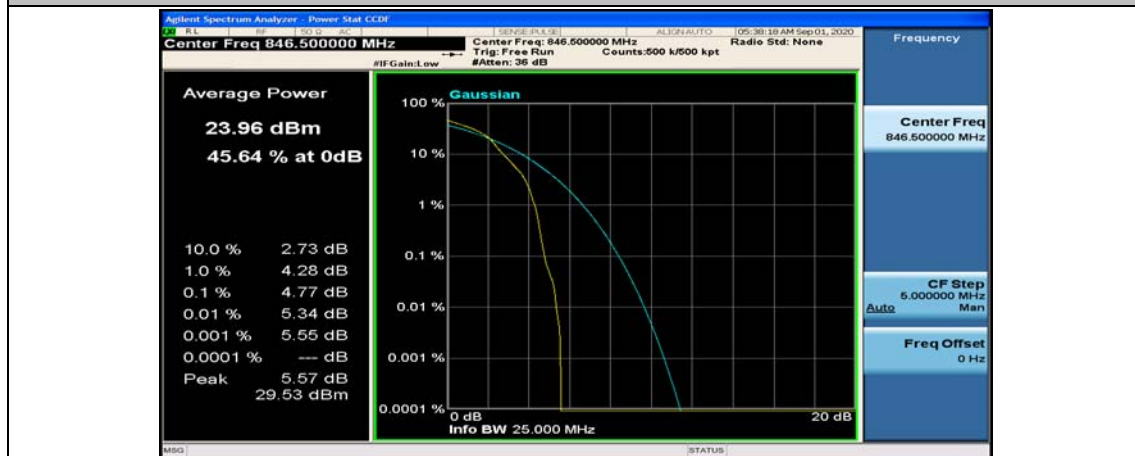




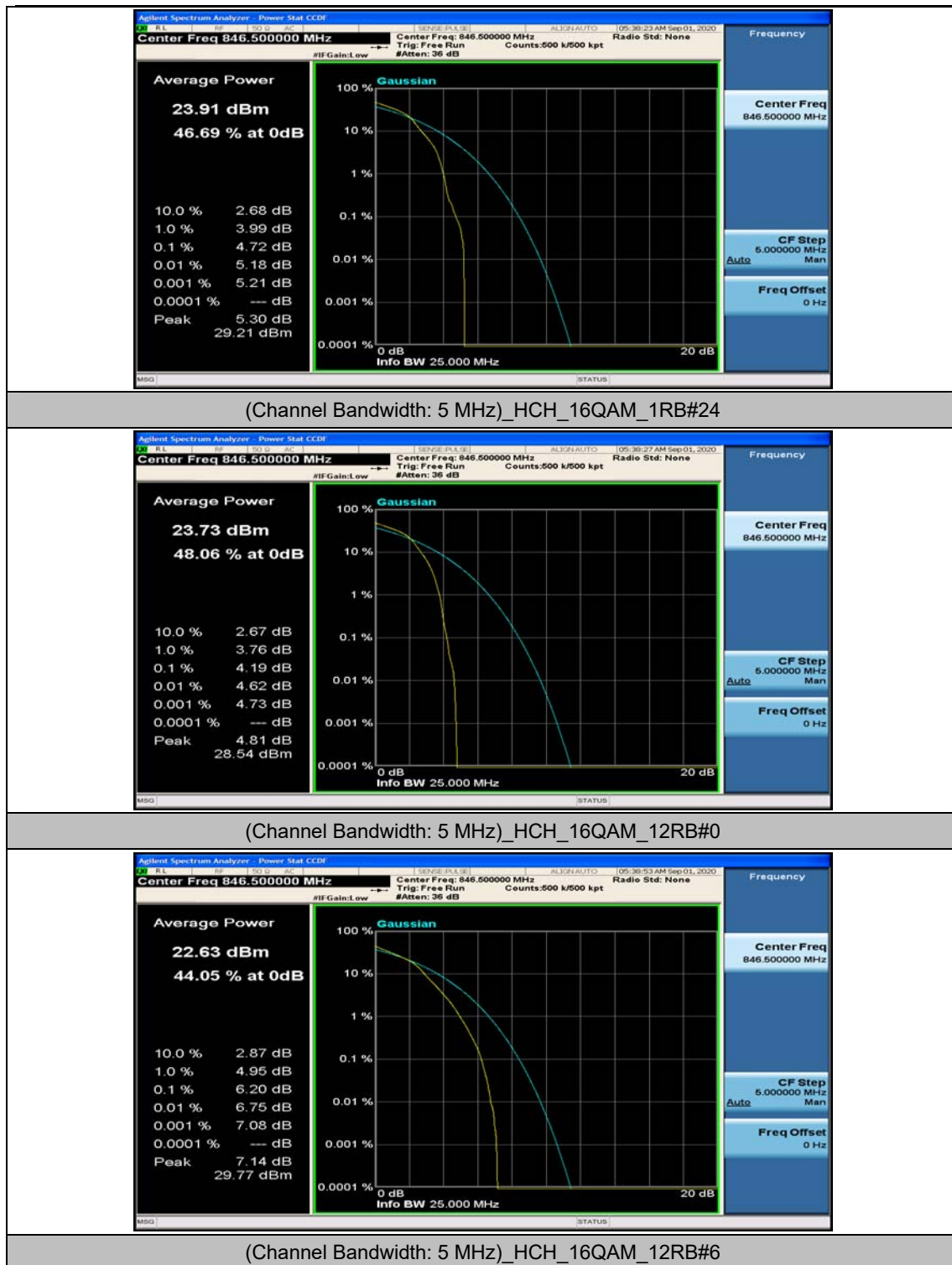
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

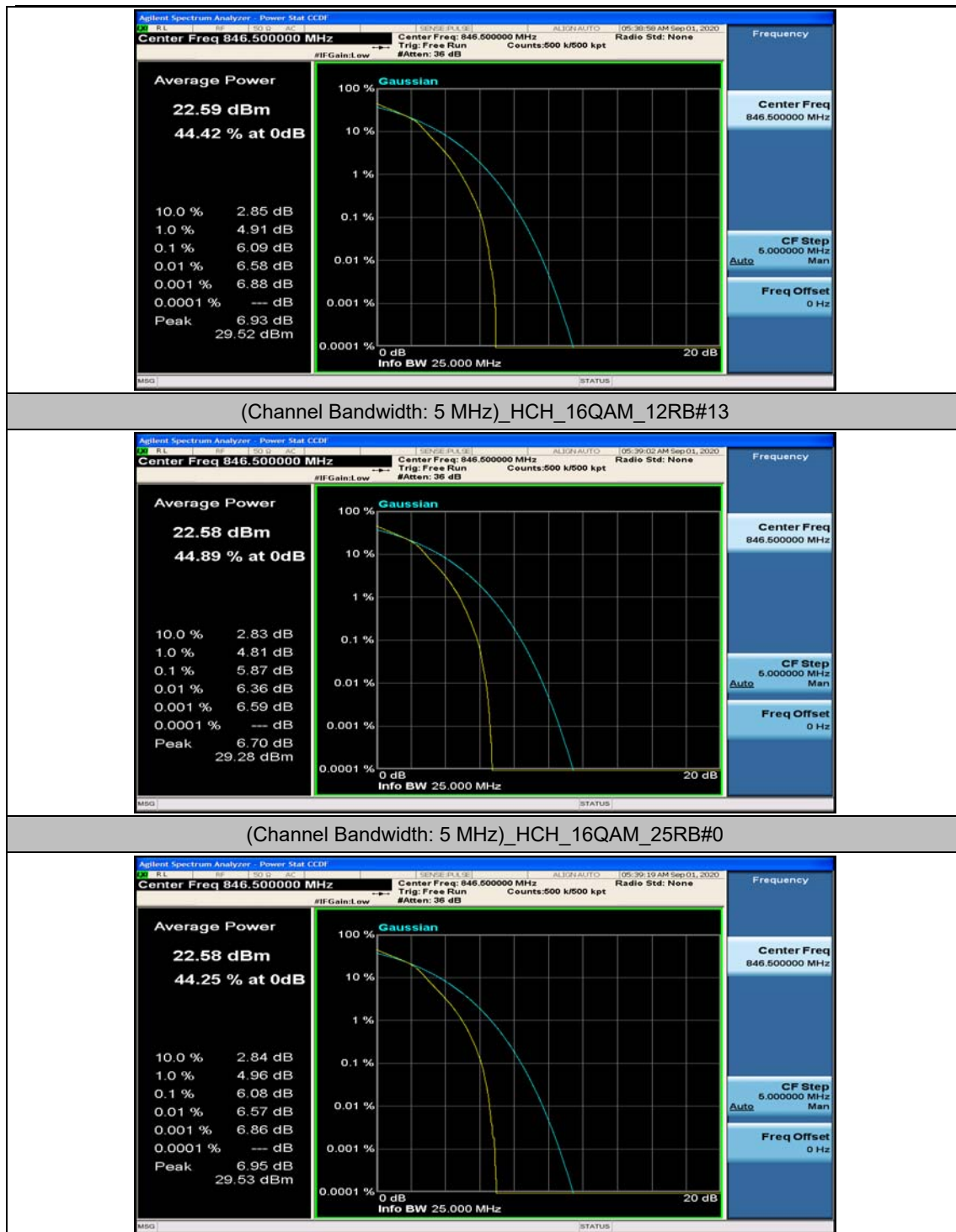


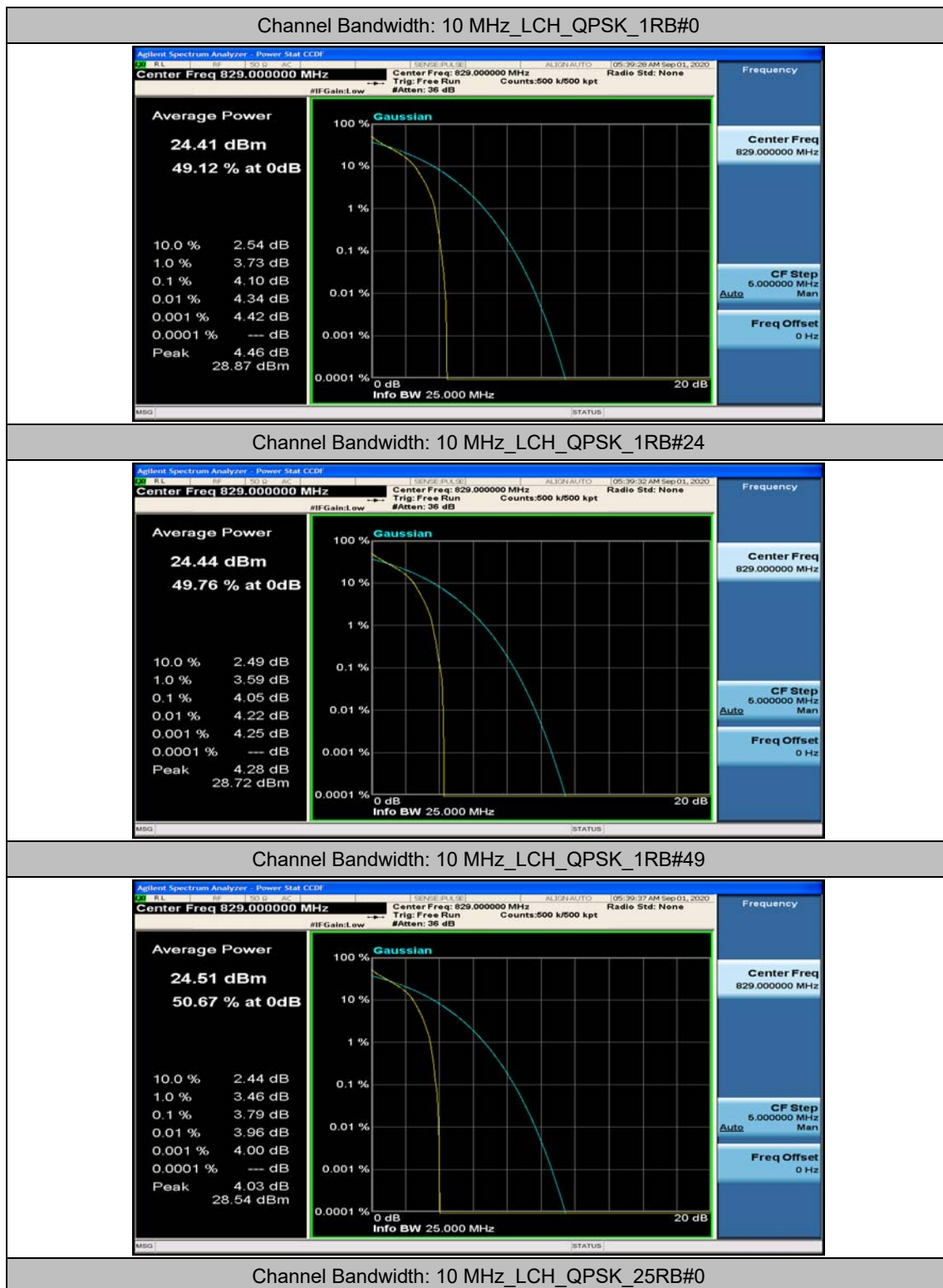
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

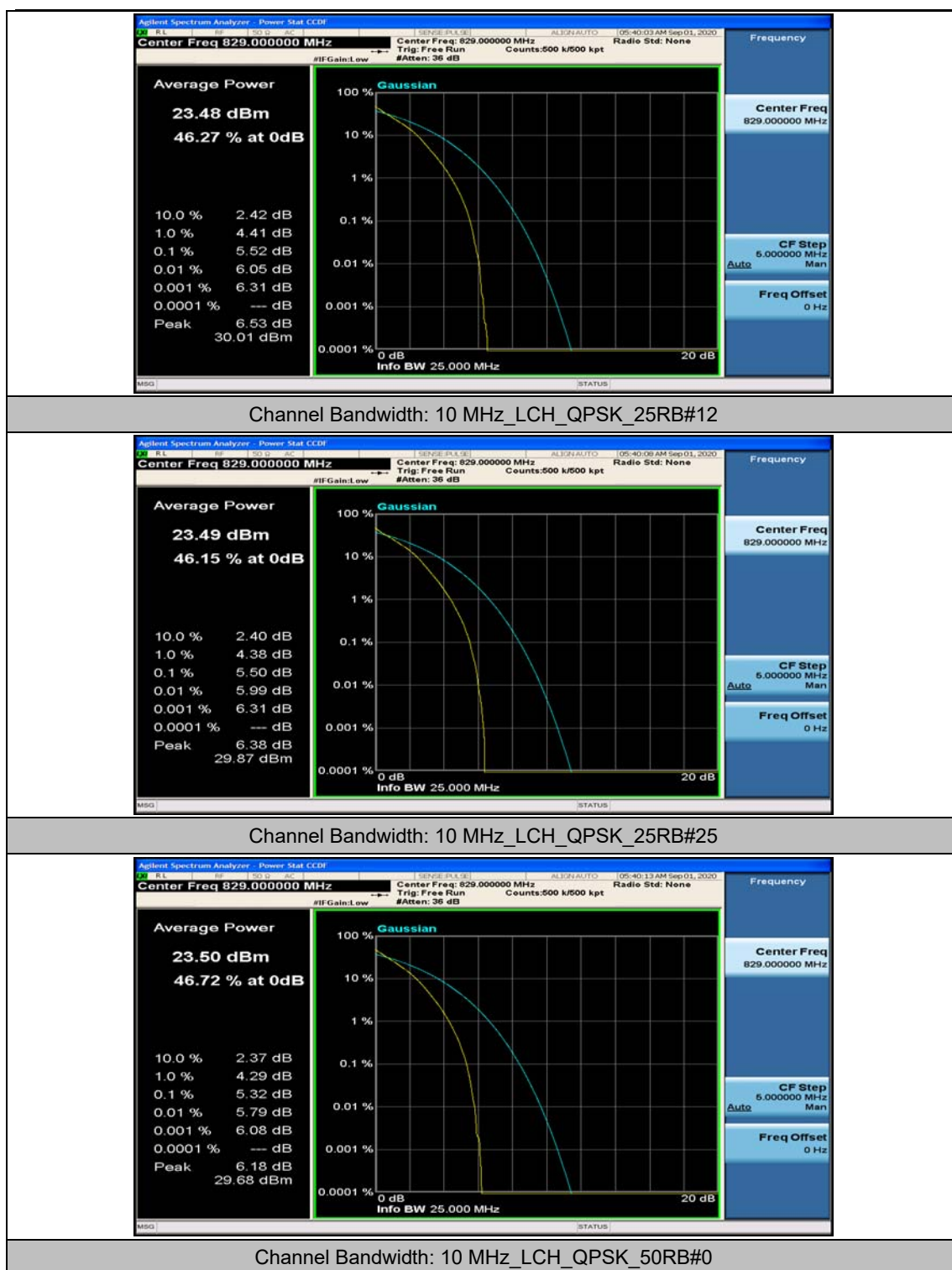


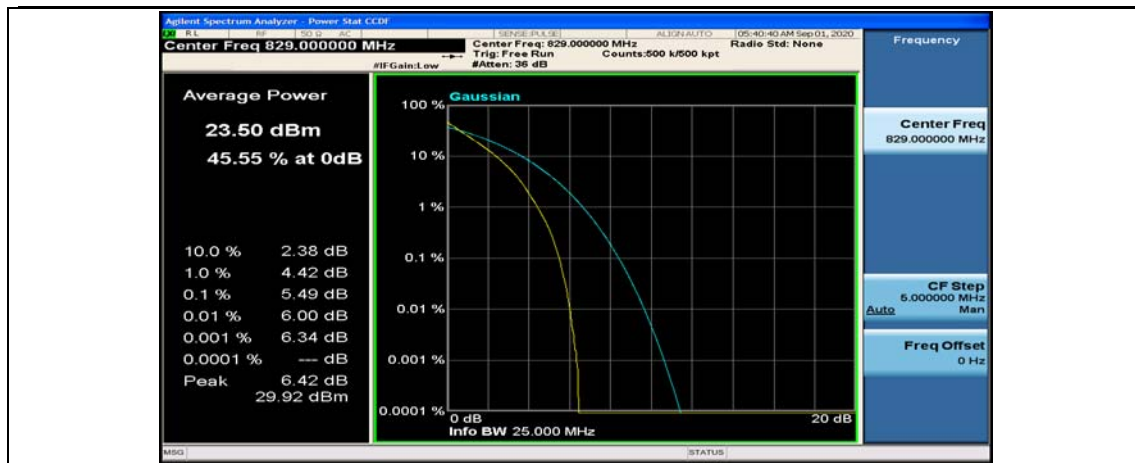
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12





Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49