

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.25	25.25	PASS
		1	3	23.40	25.40	PASS
		1	5	23.39	25.39	PASS
		3	0	23.21	25.21	PASS
		3	2	23.23	25.23	PASS
		3	3	23.19	25.19	PASS
		6	0	22.03	24.03	PASS
	MCH	1	0	23.13	25.13	PASS
		1	3	23.24	25.24	PASS
		1	5	23.14	25.14	PASS
		3	0	23.16	25.16	PASS
		3	2	23.05	25.05	PASS
		3	3	22.98	24.98	PASS
		6	0	21.95	23.95	PASS
	HCH	1	0	23.23	25.23	PASS
		1	3	23.34	25.34	PASS
		1	5	23.12	25.12	PASS
		3	0	23.02	25.02	PASS
		3	2	22.93	24.93	PASS
		3	3	22.89	24.89	PASS
		6	0	21.94	23.94	PASS
16QAM	LCH	1	0	23.06	25.06	PASS
		1	3	23.20	25.20	PASS
		1	5	22.97	24.97	PASS
		3	0	22.36	24.36	PASS
		3	2	22.36	24.36	PASS
		3	3	22.41	24.41	PASS
		6	0	21.02	23.02	PASS
	MCH	1	0	22.80	24.80	PASS
		1	3	22.91	24.91	PASS
		1	5	22.80	24.80	PASS
		3	0	22.24	24.24	PASS

		3	2	22.18	24.18	PASS
		3	3	22.21	24.21	PASS
		6	0	20.93	22.93	PASS
	HCH	1	0	22.82	24.82	PASS
		1	3	22.77	24.77	PASS
		1	5	22.74	24.74	PASS
		3	0	22.29	24.29	PASS
		3	2	22.14	24.14	PASS
		3	3	22.23	24.23	PASS
		6	0	20.98	22.98	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.29	25.29	PASS
		1	7	23.08	25.08	PASS
		1	14	23.30	25.30	PASS
		8	0	22.04	24.04	PASS
		8	4	22.06	24.06	PASS
		8	7	21.95	23.95	PASS
		15	0	21.96	23.96	PASS
	MCH	1	0	23.04	25.04	PASS
		1	7	22.91	24.91	PASS
		1	14	23.26	25.26	PASS
		8	0	21.99	23.99	PASS
		8	4	22.04	24.04	PASS
		8	7	21.98	23.98	PASS
		15	0	22.00	24.00	PASS
	HCH	1	0	23.26	25.26	PASS
		1	7	22.97	24.97	PASS
		1	14	23.02	25.02	PASS
		8	0	22.02	24.02	PASS
		8	4	21.89	23.89	PASS
		8	7	21.90	23.90	PASS
		15	0	22.02	24.02	PASS
16QAM	LCH	1	0	22.28	24.28	PASS
		1	7	22.12	24.12	PASS
		1	14	22.69	24.69	PASS
		8	0	20.74	22.74	PASS

		8	4	20.83	22.83	PASS
		8	7	20.75	22.75	PASS
		15	0	20.88	22.88	PASS
	MCH	1	0	22.65	24.65	PASS
		1	7	22.40	24.40	PASS
		1	14	22.61	24.61	PASS
		8	0	21.14	23.14	PASS
		8	4	21.13	23.13	PASS
		8	7	20.84	22.84	PASS
		15	0	20.90	22.90	PASS
	HCH	1	0	23.12	25.12	PASS
		1	7	22.58	24.58	PASS
		1	14	22.72	24.72	PASS
		8	0	21.30	23.30	PASS
		8	4	21.11	23.11	PASS
		8	7	21.22	23.22	PASS
		15	0	21.00	23.00	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.49	25.49	PASS
		1	12	23.23	25.23	PASS
		1	24	23.26	25.26	PASS
		12	0	22.02	24.02	PASS
		12	6	21.98	23.98	PASS
		12	13	22.23	24.23	PASS
		25	0	21.97	23.97	PASS
	MCH	1	0	22.94	24.94	PASS
		1	12	22.95	24.95	PASS
		1	24	23.05	25.05	PASS
		12	0	22.01	24.01	PASS
		12	6	21.90	23.90	PASS
		12	13	21.98	23.98	PASS
		25	0	21.93	23.93	PASS
	HCH	1	0	23.09	25.09	PASS
		1	12	22.94	24.94	PASS
		1	24	23.15	25.15	PASS
		12	0	22.13	24.13	PASS

16QAM		12	6	22.03	24.03	PASS
		12	13	22.07	24.07	PASS
		25	0	22.01	24.01	PASS
	LCH	1	0	22.25	24.25	PASS
		1	12	21.96	23.96	PASS
		1	24	22.26	24.26	PASS
		12	0	20.97	22.97	PASS
		12	6	20.84	22.84	PASS
		12	13	21.14	23.14	PASS
		25	0	20.98	22.98	PASS
	MCH	1	0	21.57	23.57	PASS
		1	12	21.74	23.74	PASS
		1	24	22.19	24.19	PASS
		12	0	21.15	23.15	PASS
		12	6	20.88	22.88	PASS
		12	13	20.86	22.86	PASS
		25	0	21.03	23.03	PASS
	HCH	1	0	22.09	24.09	PASS
		1	12	21.84	23.84	PASS
		1	24	22.02	24.02	PASS
		12	0	21.08	23.08	PASS
		12	6	20.87	22.87	PASS
		12	13	20.85	22.85	PASS
		25	0	21.13	23.13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.47	25.47	PASS
		1	24	23.30	25.30	PASS
		1	49	23.01	25.01	PASS
		25	0	22.12	24.12	PASS
		25	12	22.13	24.13	PASS
		25	25	22.04	24.04	PASS
		50	0	22.01	24.01	PASS
	MCH	1	0	23.18	25.18	PASS
		1	24	22.77	24.77	PASS
		1	49	23.13	25.13	PASS
		25	0	21.96	23.96	PASS

		25	12	21.84	23.84	PASS
		25	25	21.95	23.95	PASS
		50	0	21.96	23.96	PASS
	HCH	1	0	23.18	25.18	PASS
		1	24	23.16	25.16	PASS
		1	49	22.76	24.76	PASS
		25	0	21.94	23.94	PASS
		25	12	21.98	23.98	PASS
		25	25	21.90	23.90	PASS
		50	0	21.96	23.96	PASS
16QAM	LCH	1	0	22.97	24.97	PASS
		1	24	22.91	24.91	PASS
		1	49	22.34	24.34	PASS
		25	0	21.04	23.04	PASS
		25	12	20.97	22.97	PASS
		25	25	20.94	22.94	PASS
		50	0	21.03	23.03	PASS
	MCH	1	0	22.72	24.72	PASS
		1	24	22.42	24.42	PASS
		1	49	22.68	24.68	PASS
		25	0	20.96	22.96	PASS
		25	12	20.75	22.75	PASS
		25	25	20.86	22.86	PASS
		50	0	20.97	22.97	PASS
	HCH	1	0	22.81	24.81	PASS
		1	24	22.77	24.77	PASS
		1	49	22.20	24.20	PASS
		25	0	20.94	22.94	PASS
		25	12	20.97	22.97	PASS
		25	25	20.86	22.86	PASS
		50	0	21.07	23.07	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	4.65	<13	PASS
		1	3	4.52	<13	PASS
		1	5	4.66	<13	PASS
		3	0	4.73	<13	PASS
		3	2	4.69	<13	PASS
		3	3	4.78	<13	PASS
		6	0	5.37	<13	PASS
	MCH	1	0	4.33	<13	PASS
		1	3	4.24	<13	PASS
		1	5	4.36	<13	PASS
		3	0	4.46	<13	PASS
		3	2	4.38	<13	PASS
		3	3	4.47	<13	PASS
		6	0	5.01	<13	PASS
	HCH	1	0	3.40	<13	PASS
		1	3	3.37	<13	PASS
		1	5	3.51	<13	PASS
		3	0	3.48	<13	PASS
		3	2	3.55	<13	PASS
		3	3	3.61	<13	PASS
		6	0	4.32	<13	PASS
16QAM	LCH	1	0	5.14	<13	PASS
		1	3	5.27	<13	PASS
		1	5	5.41	<13	PASS
		3	0	5.58	<13	PASS
		3	2	5.50	<13	PASS
		3	3	5.65	<13	PASS
		6	0	6.17	<13	PASS
	MCH	1	0	4.96	<13	PASS
		1	3	4.90	<13	PASS
		1	5	4.88	<13	PASS
		3	0	5.33	<13	PASS

		3	2	5.21	<13	PASS
		3	3	5.32	<13	PASS
		6	0	5.85	<13	PASS
	HCH	1	0	3.81	<13	PASS
		1	3	3.91	<13	PASS
		1	5	3.87	<13	PASS
		3	0	4.55	<13	PASS
		3	2	4.62	<13	PASS
		3	3	4.72	<13	PASS
		6	0	5.26	<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	4.44	<13	PASS
		1	7	4.47	<13	PASS
		1	14	4.58	<13	PASS
		8	0	5.09	<13	PASS
		8	4	5.05	<13	PASS
		8	7	5.14	<13	PASS
		15	0	5.40	<13	PASS
	MCH	1	0	4.24	<13	PASS
		1	7	4.17	<13	PASS
		1	14	4.15	<13	PASS
		8	0	4.82	<13	PASS
		8	4	4.72	<13	PASS
		8	7	4.79	<13	PASS
		15	0	5.07	<13	PASS
	HCH	1	0	3.44	<13	PASS
		1	7	3.36	<13	PASS
		1	14	3.45	<13	PASS
		8	0	4.16	<13	PASS
		8	4	4.05	<13	PASS
		8	7	4.17	<13	PASS
		15	0	4.36	<13	PASS
16QAM	LCH	1	0	5.24	<13	PASS
		1	7	5.21	<13	PASS
		1	14	5.19	<13	PASS

		8	0	5.85	<13	PASS
		8	4	5.87	<13	PASS
		8	7	5.94	<13	PASS
		15	0	6.27	<13	PASS
	MCH	1	0	4.83	<13	PASS
		1	7	4.77	<13	PASS
		1	14	4.79	<13	PASS
		8	0	5.56	<13	PASS
		8	4	5.55	<13	PASS
		8	7	5.60	<13	PASS
		15	0	5.97	<13	PASS
	HCH	1	0	4.12	<13	PASS
		1	7	4.00	<13	PASS
		1	14	4.21	<13	PASS
		8	0	4.95	<13	PASS
		8	4	4.86	<13	PASS
		8	7	4.98	<13	PASS
		15	0	5.22	<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	4.40	<13	PASS
		1	12	4.50	<13	PASS
		1	24	4.63	<13	PASS
		12	0	5.06	<13	PASS
		12	6	5.01	<13	PASS
		12	13	5.11	<13	PASS
		25	0	5.47	<13	PASS
	MCH	1	0	4.30	<13	PASS
		1	12	4.15	<13	PASS
		1	24	4.14	<13	PASS
		12	0	4.76	<13	PASS
		12	6	4.69	<13	PASS
		12	13	4.71	<13	PASS
		25	0	5.07	<13	PASS
	HCH	1	0	4.09	<13	PASS
		1	12	3.43	<13	PASS

16QAM		1	24	3.43	<13	PASS
		12	0	4.46	<13	PASS
		12	6	4.12	<13	PASS
		12	13	4.02	<13	PASS
		25	0	4.57	<13	PASS
	LCH	1	0	5.27	<13	PASS
		1	12	5.29	<13	PASS
		1	24	5.38	<13	PASS
		12	0	5.91	<13	PASS
		12	6	5.86	<13	PASS
		12	13	5.97	<13	PASS
		25	0	6.22	<13	PASS
	MCH	1	0	5.01	<13	PASS
		1	12	5.00	<13	PASS
		1	24	4.96	<13	PASS
		12	0	5.63	<13	PASS
		12	6	5.55	<13	PASS
		12	13	5.60	<13	PASS
		25	0	5.86	<13	PASS
	HCH	1	0	4.84	<13	PASS
		1	12	4.33	<13	PASS
		1	24	4.24	<13	PASS
		12	0	5.42	<13	PASS
		12	6	5.11	<13	PASS
		12	13	5.02	<13	PASS
		25	0	5.38	<13	PASS

Channel Bandwidth: 10 MHz

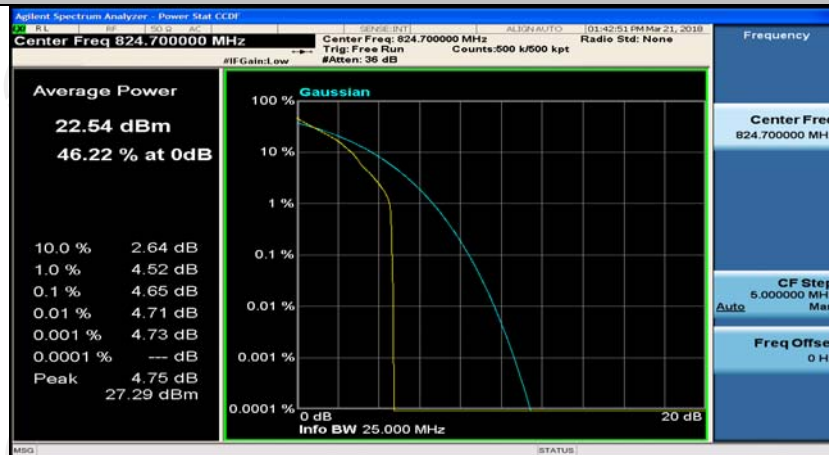
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.32	<13	PASS
		1	24	4.51	<13	PASS
		1	49	4.33	<13	PASS
		25	0	5.08	<13	PASS
		25	12	5.02	<13	PASS
		25	25	4.99	<13	PASS
		50	0	5.33	<13	PASS
	MCH	1	0	4.36	<13	PASS

		1	24	4.09	<13	PASS
		1	49	4.16	<13	PASS
		25	0	4.80	<13	PASS
		25	12	4.68	<13	PASS
		25	25	4.75	<13	PASS
		50	0	5.01	<13	PASS
	HCH	1	0	4.06	<13	PASS
		1	24	4.10	<13	PASS
		1	49	3.37	<13	PASS
		25	0	4.83	<13	PASS
		25	12	4.61	<13	PASS
		25	25	4.33	<13	PASS
	50	0	4.86	<13	PASS	
	16QAM	LCH	1	0	4.77	<13
1			24	5.04	<13	PASS
1			49	4.87	<13	PASS
25			0	5.97	<13	PASS
25			12	5.91	<13	PASS
25			25	5.86	<13	PASS
50			0	6.11	<13	PASS
MCH		1	0	4.99	<13	PASS
		1	24	4.86	<13	PASS
		1	49	4.88	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.64	<13	PASS
		50	0	5.85	<13	PASS
HCH		1	0	4.63	<13	PASS
		1	24	4.58	<13	PASS
		1	49	3.94	<13	PASS
		25	0	5.77	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.25	<13	PASS
		50	0	5.69	<13	PASS

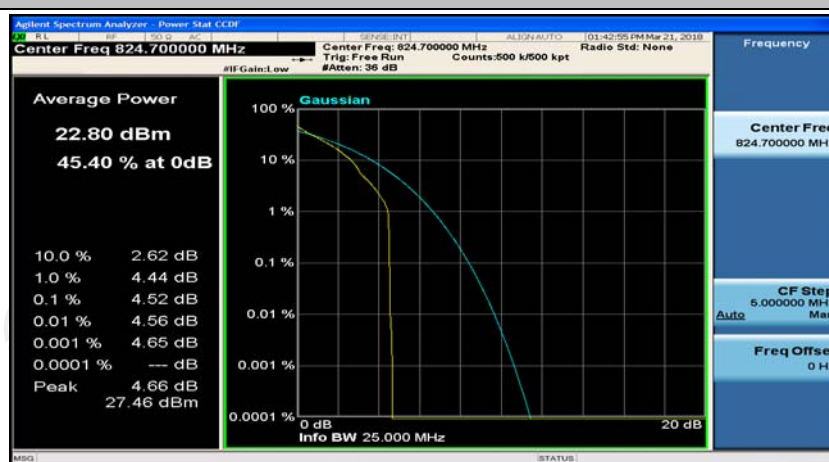
Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



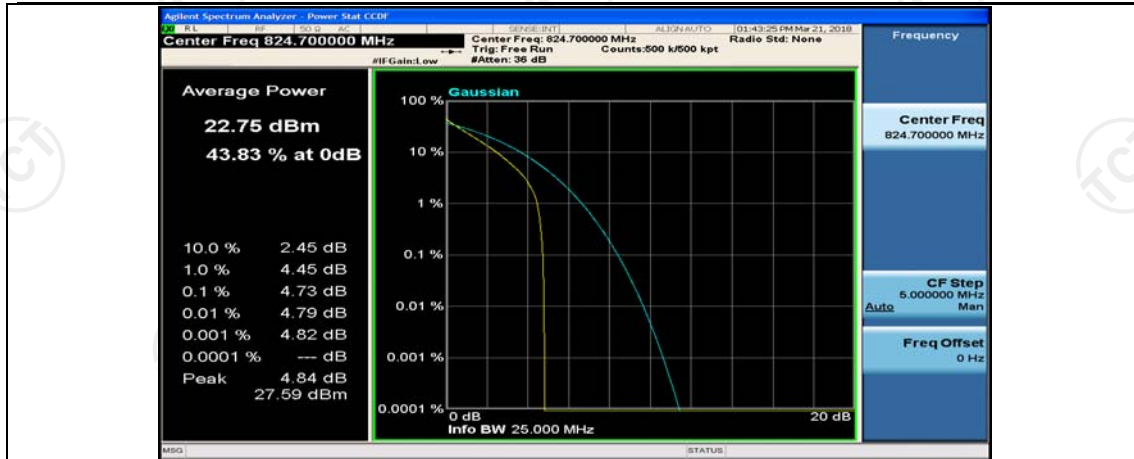
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



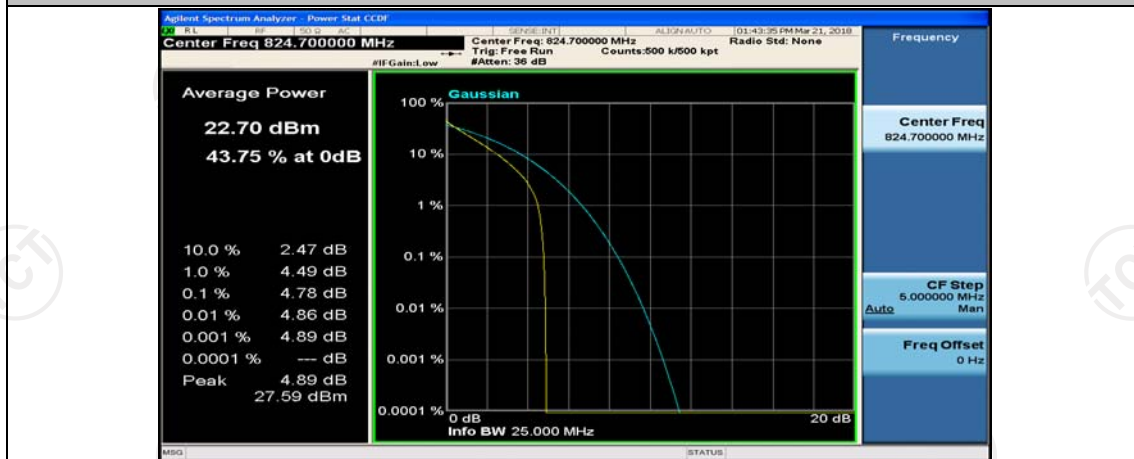
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



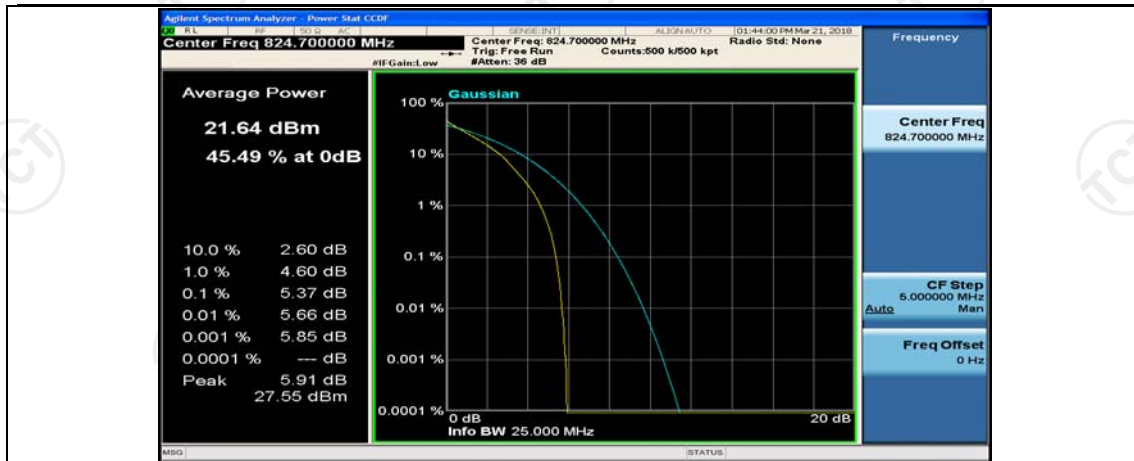
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



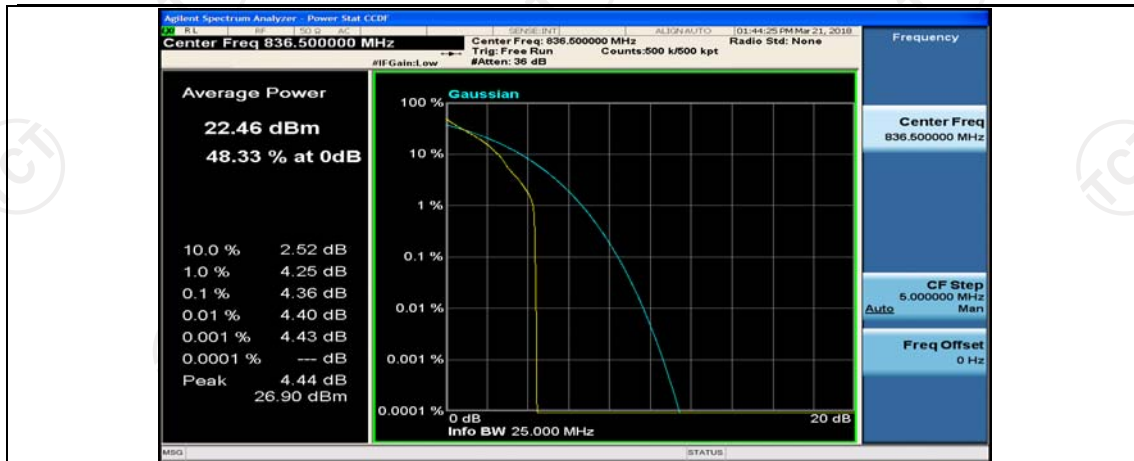
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



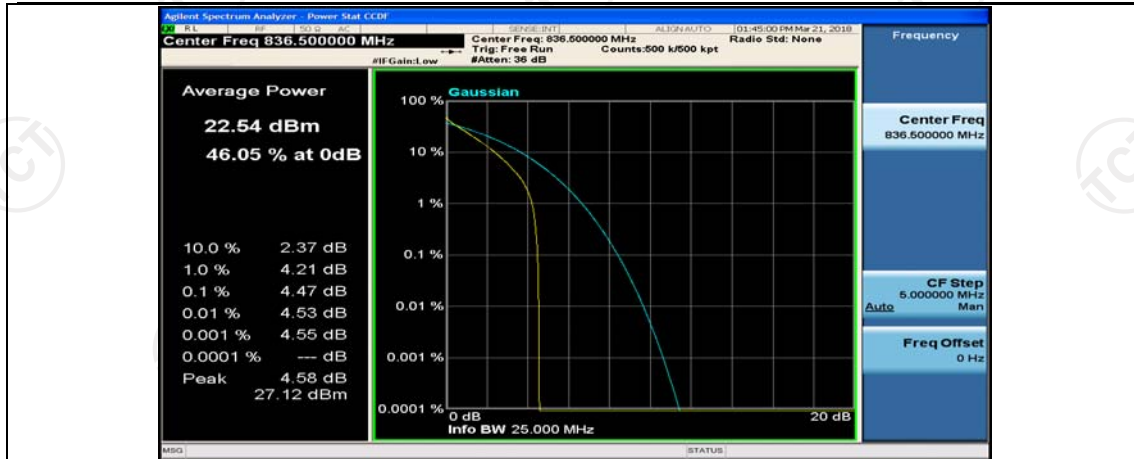
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



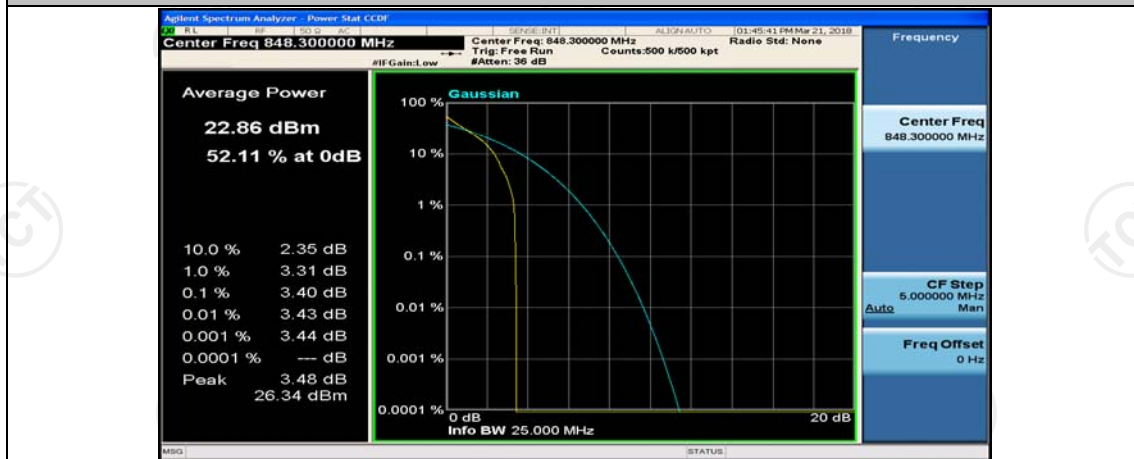
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



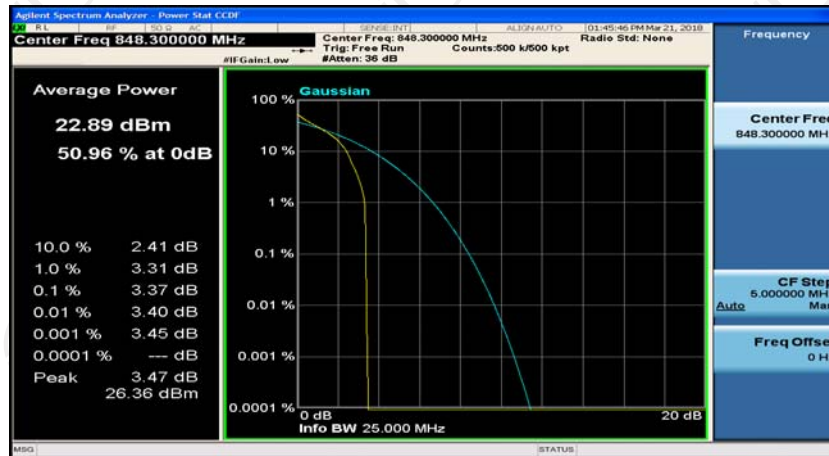
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



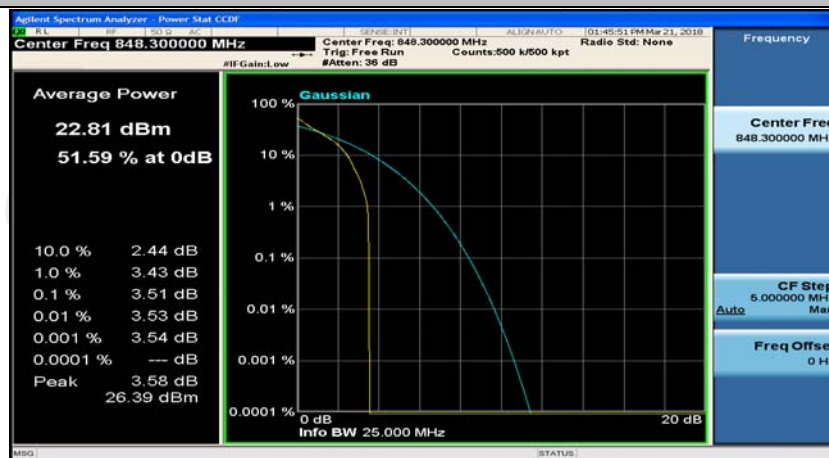
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



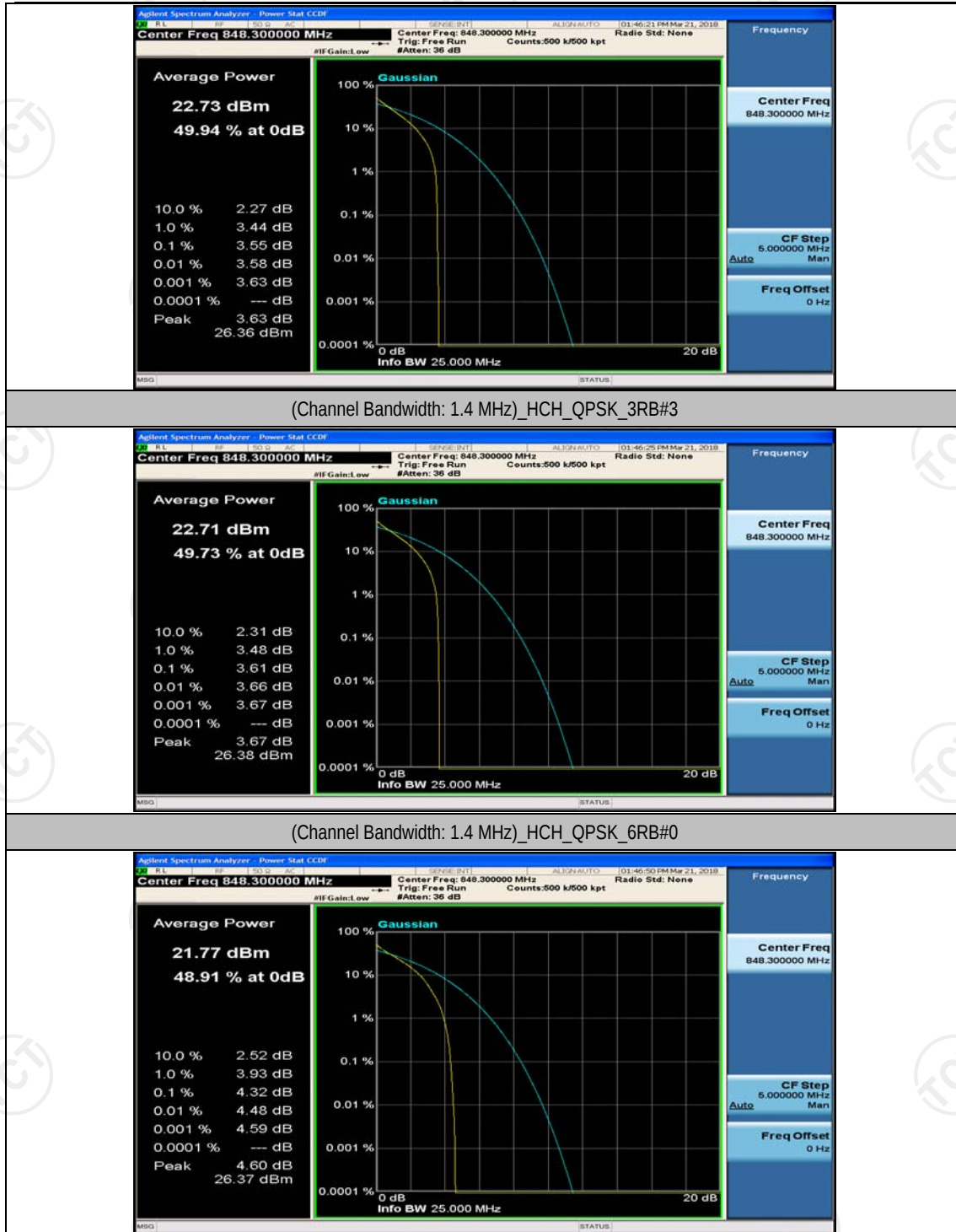
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



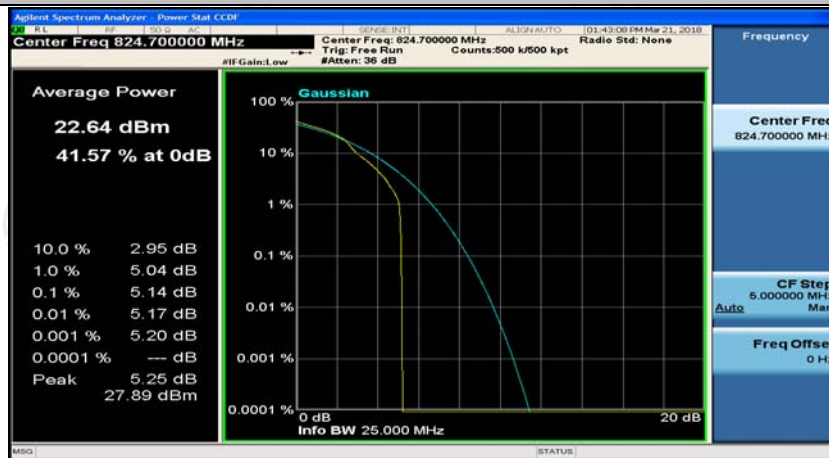
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



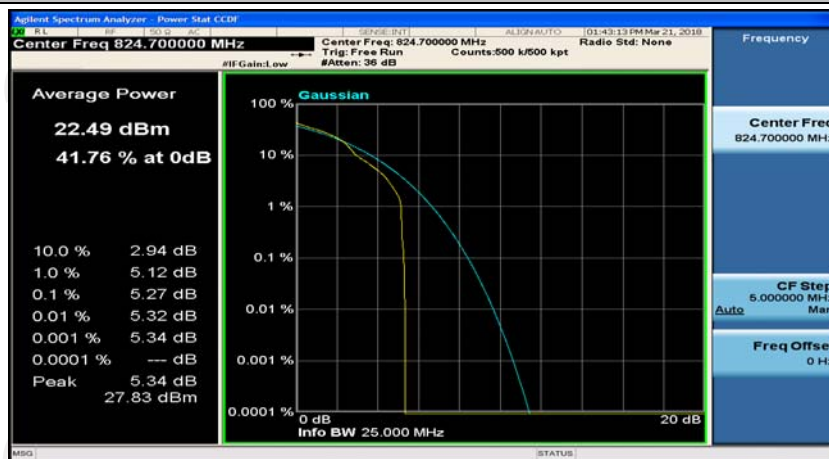
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



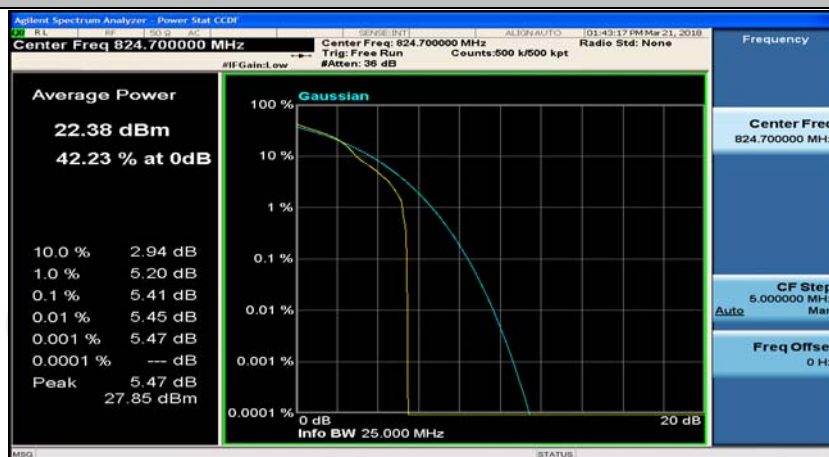
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



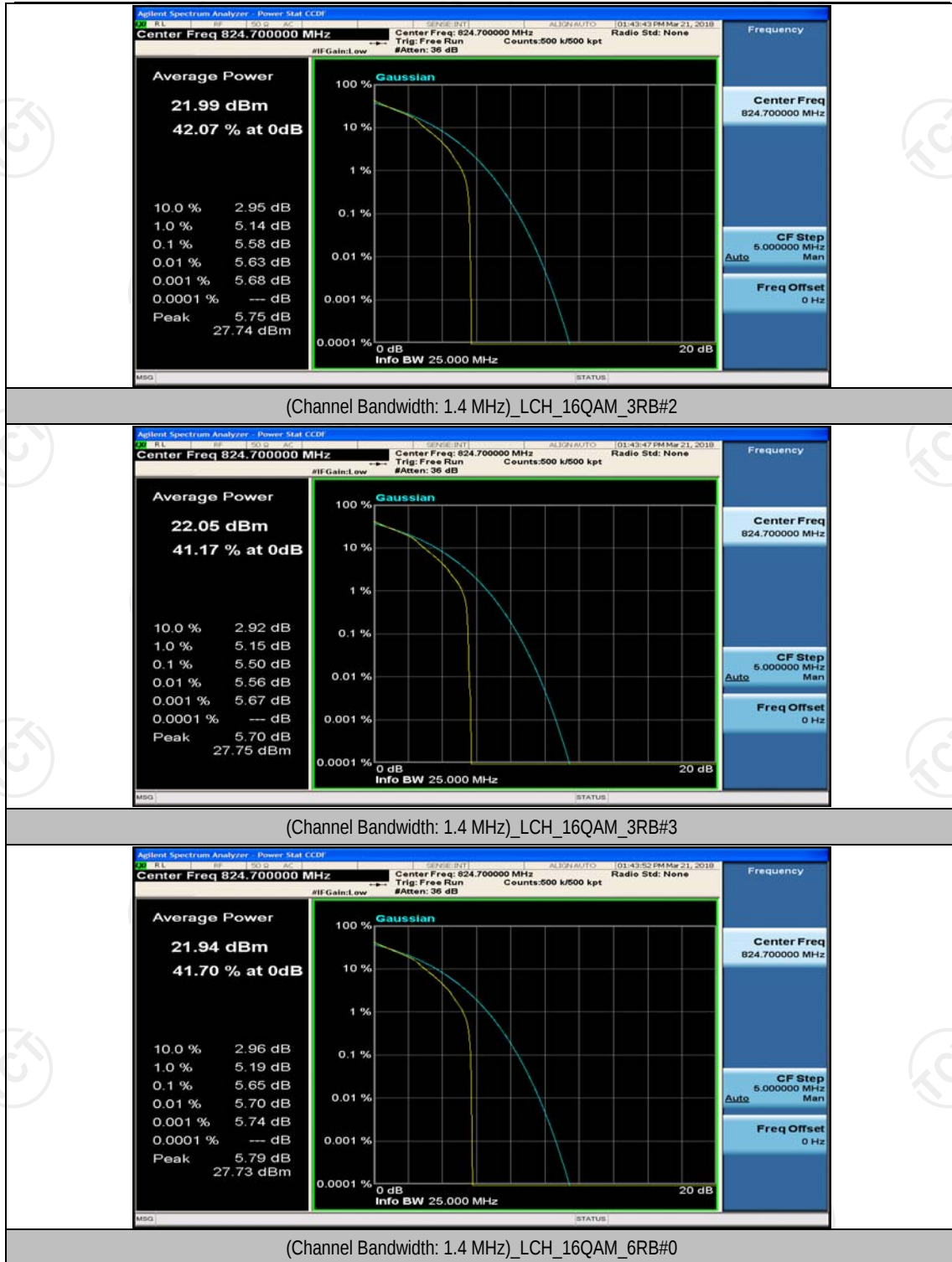
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

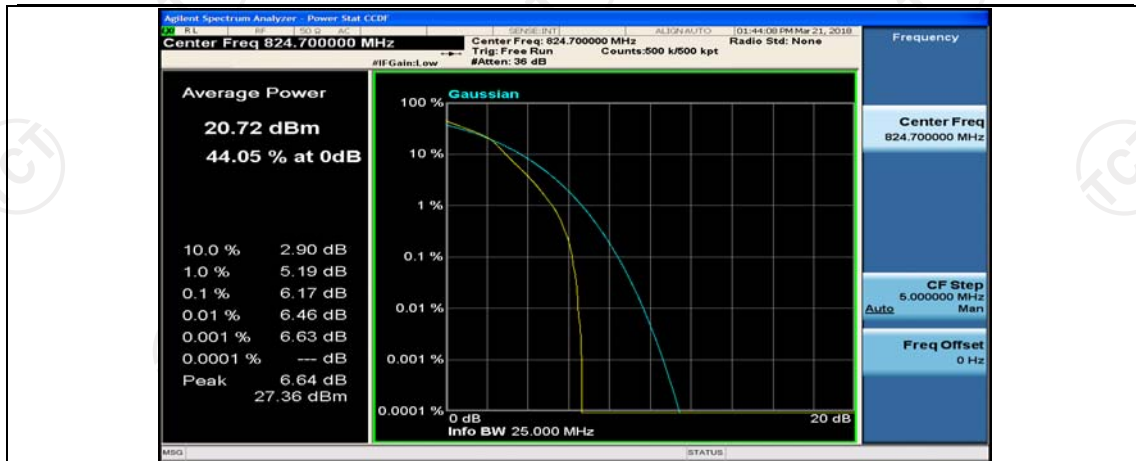


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

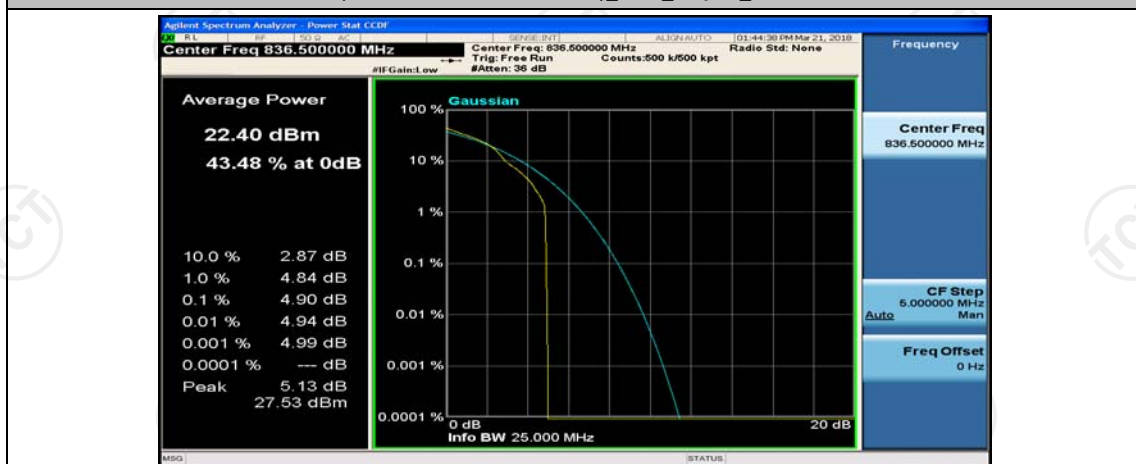




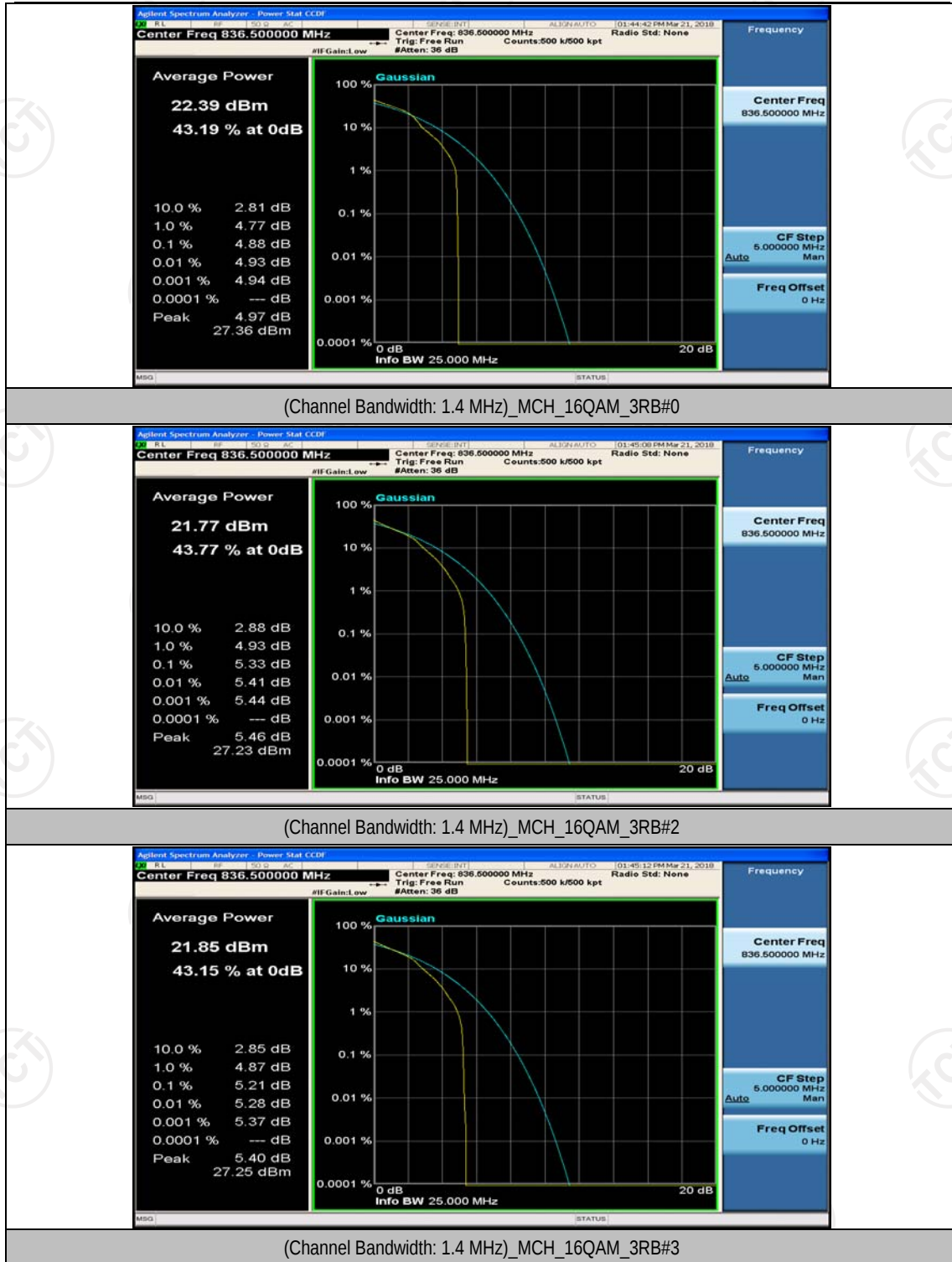
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5





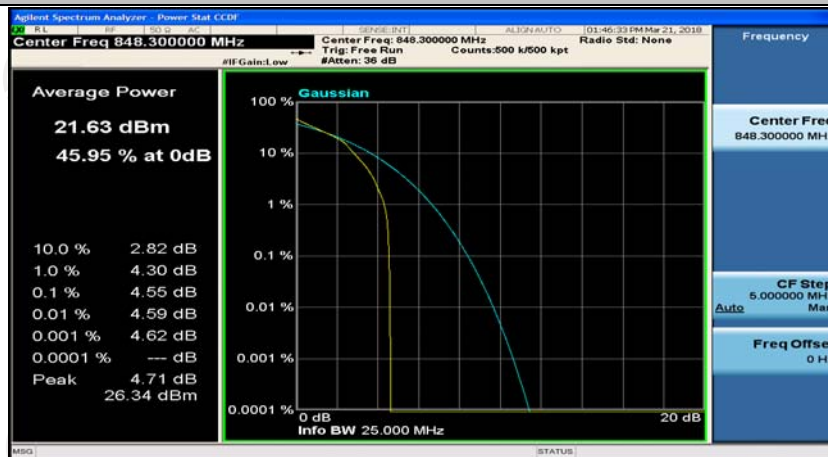
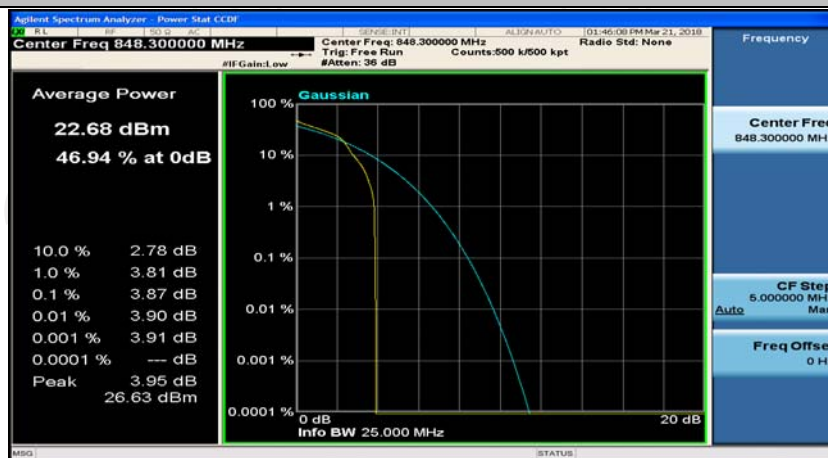
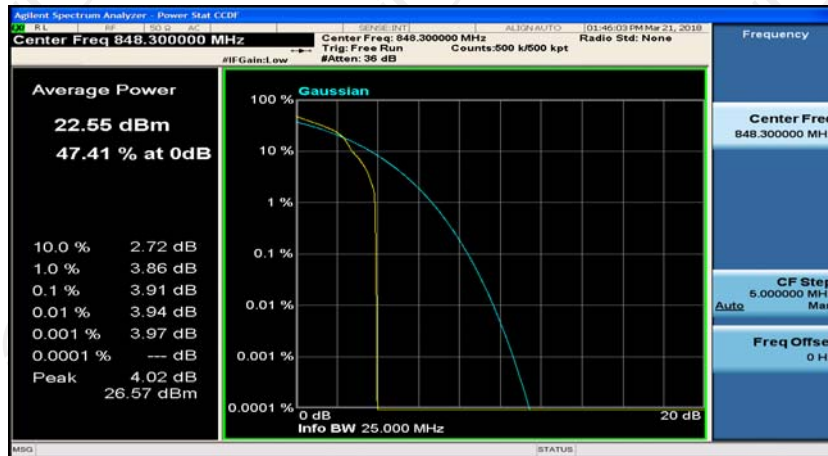
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

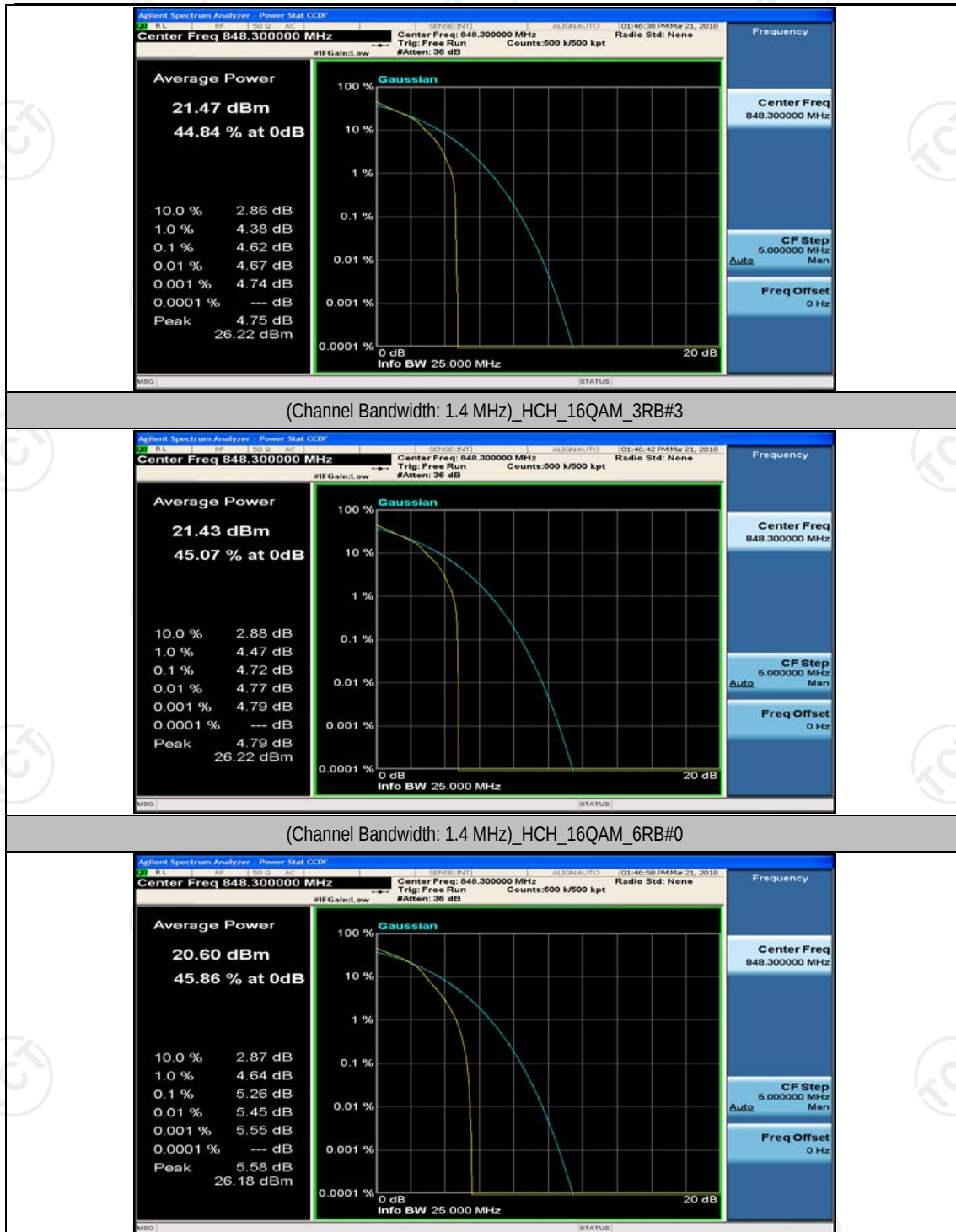


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



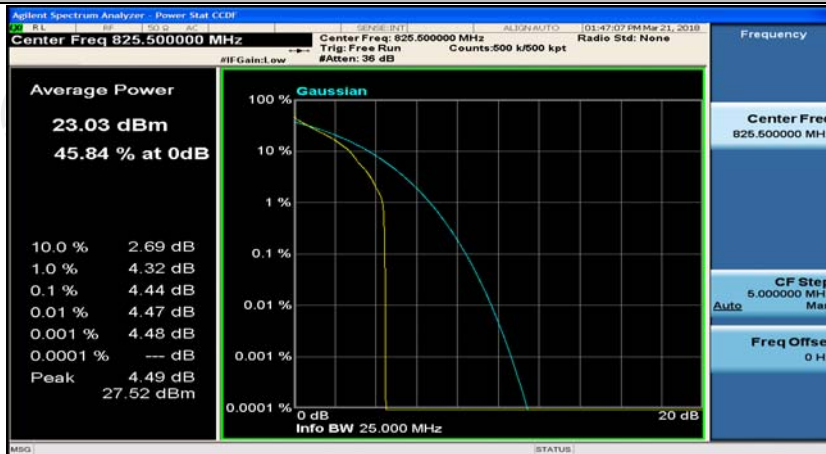
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3





Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



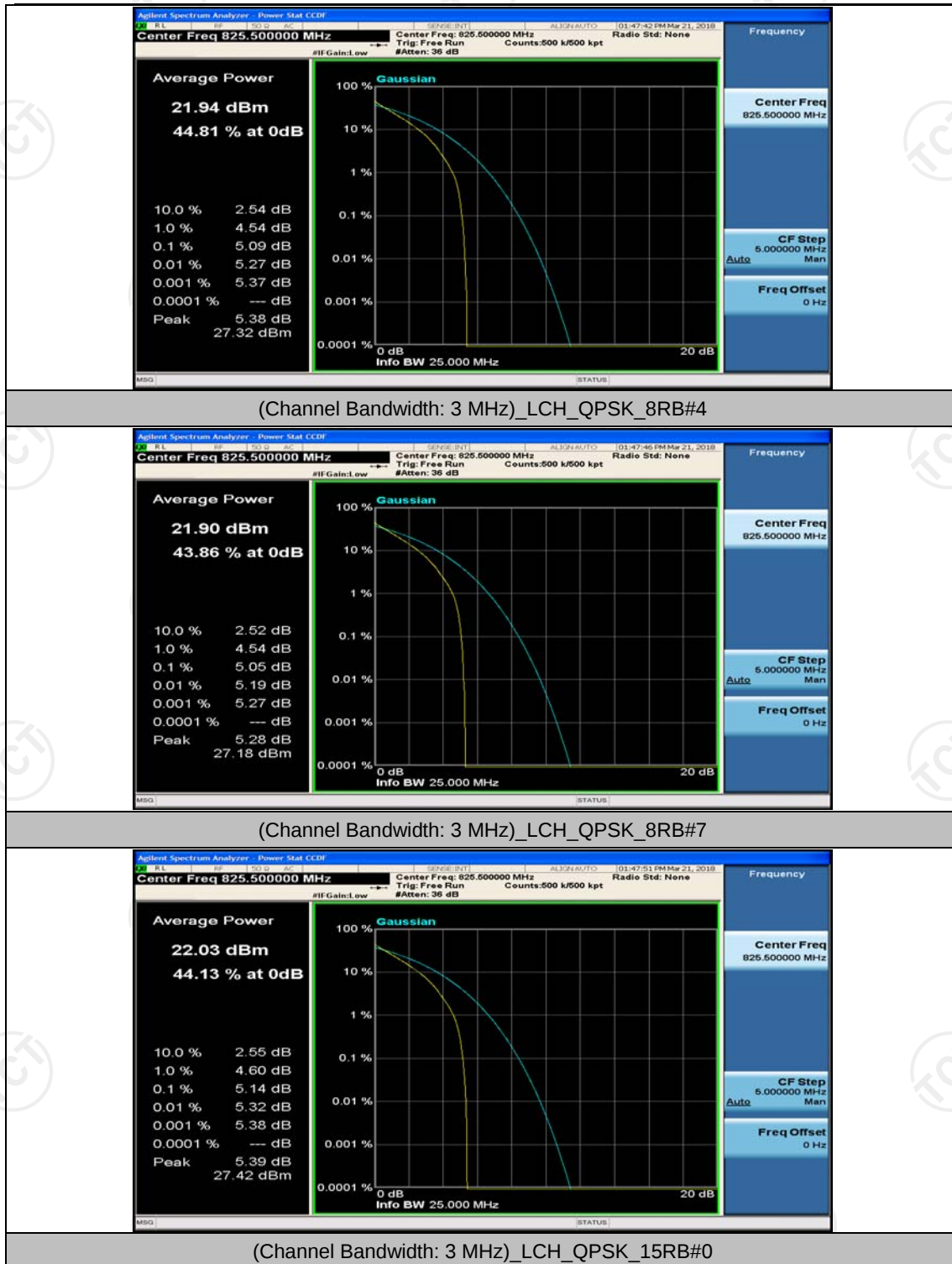
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

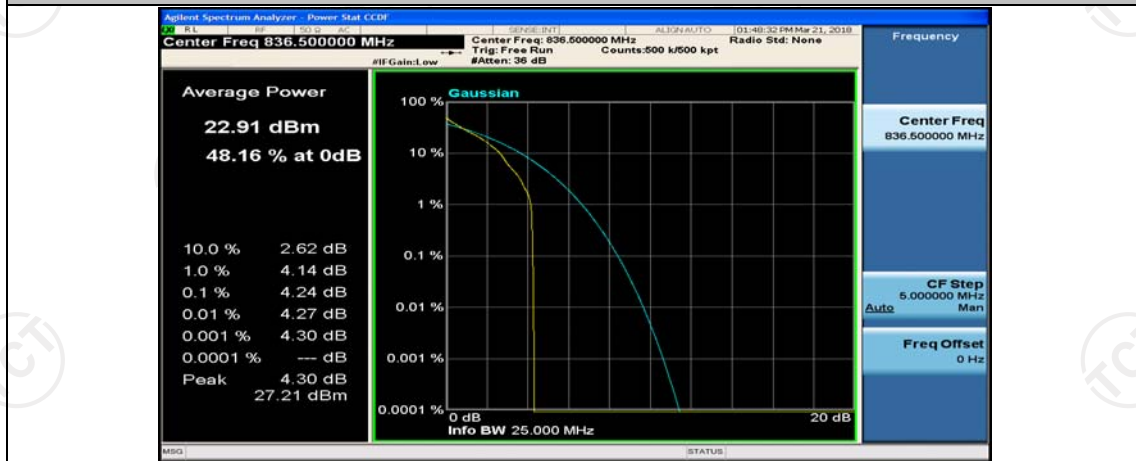


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0





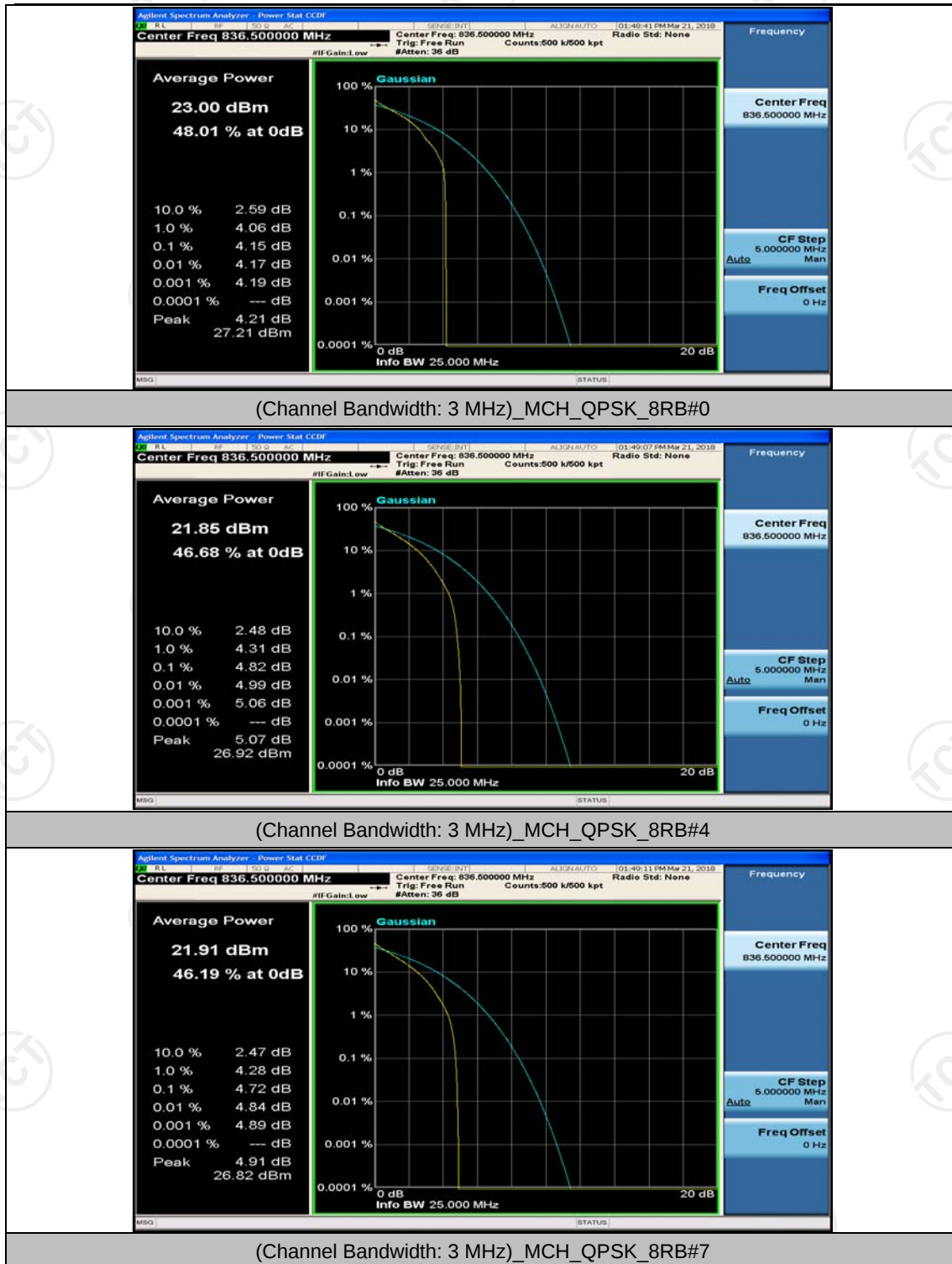
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14





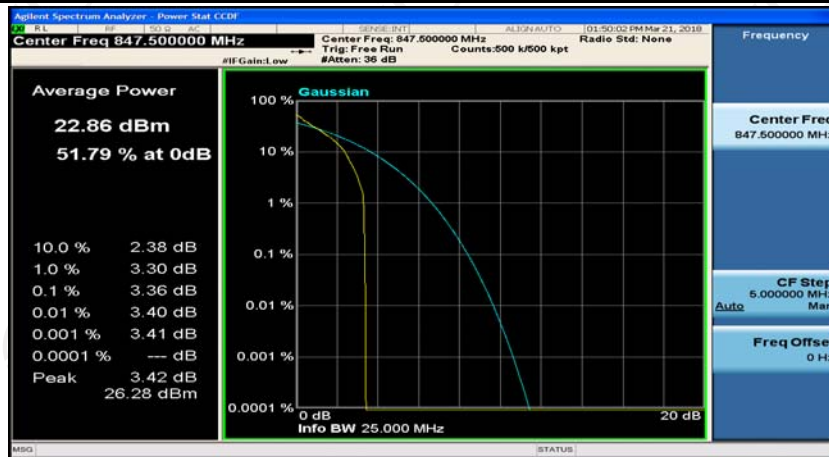
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



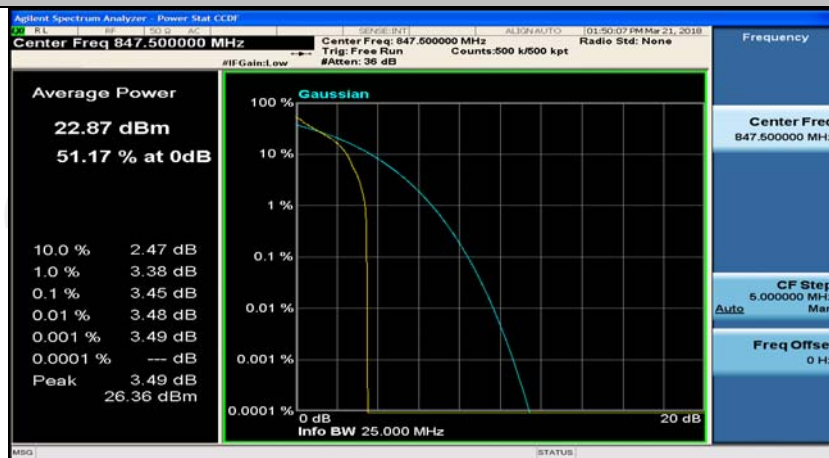
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



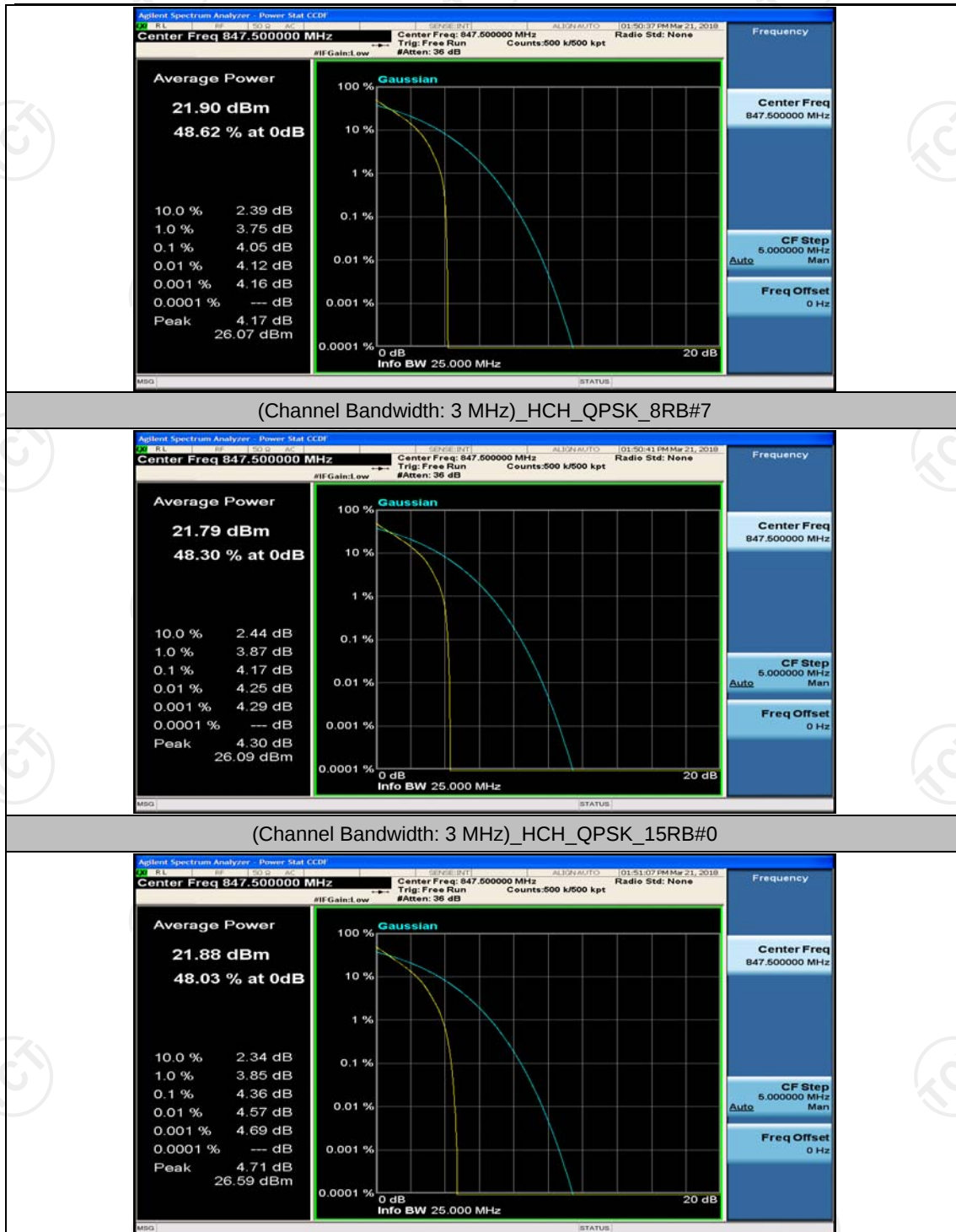
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



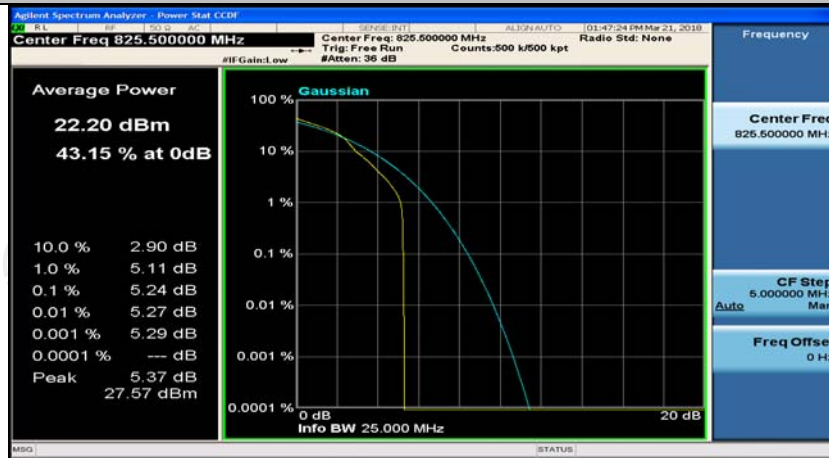
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



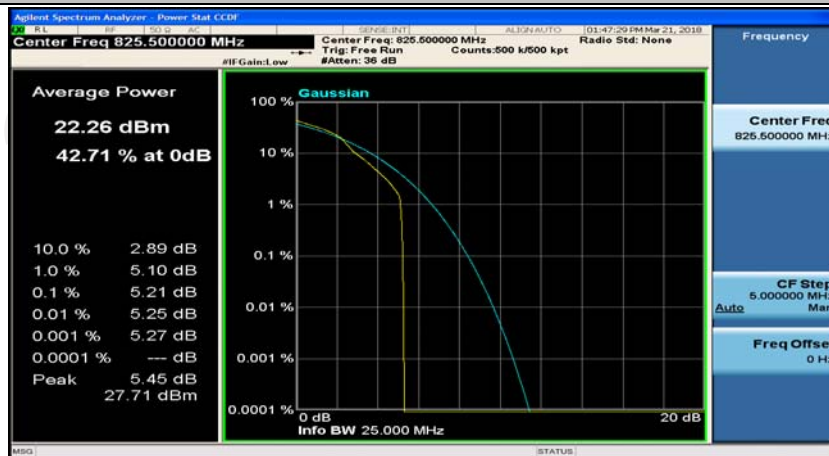
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



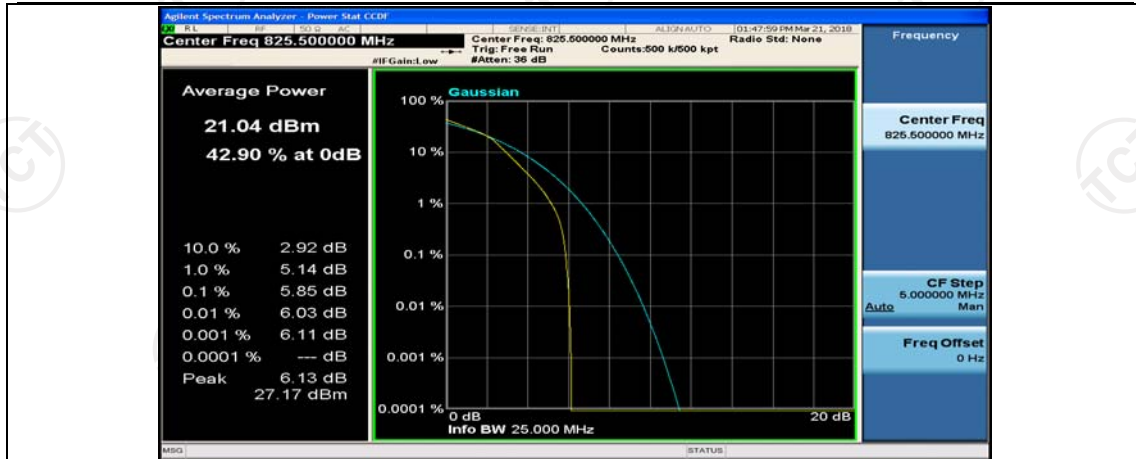
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



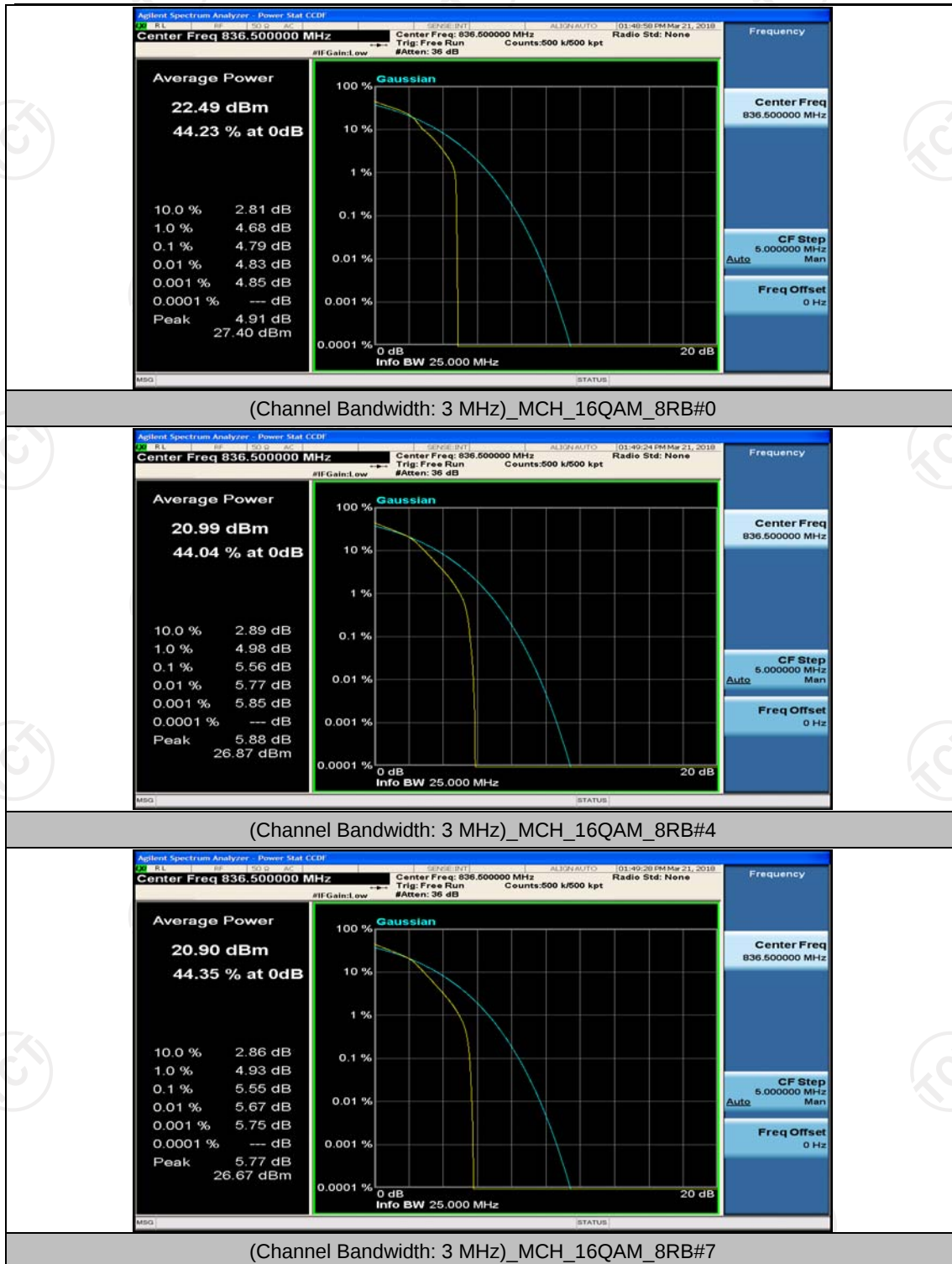
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

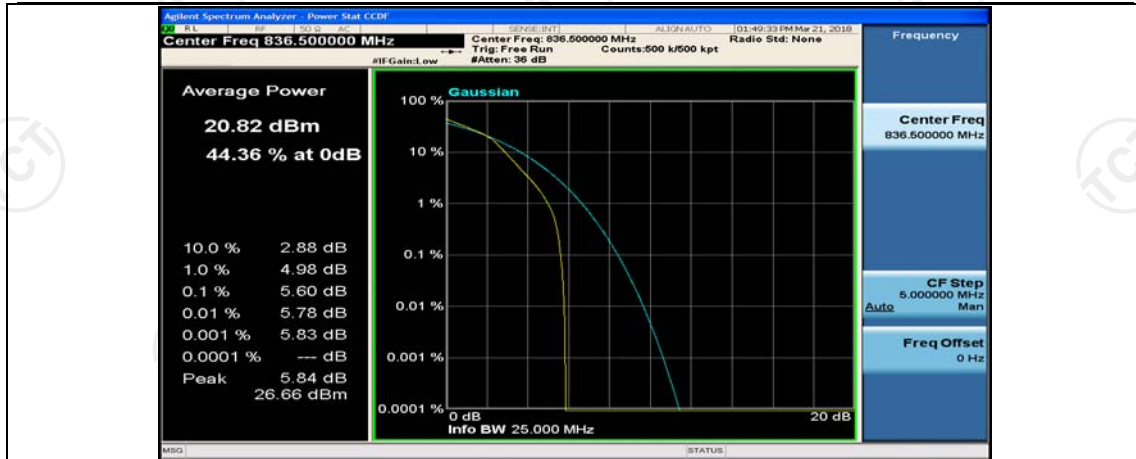


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14





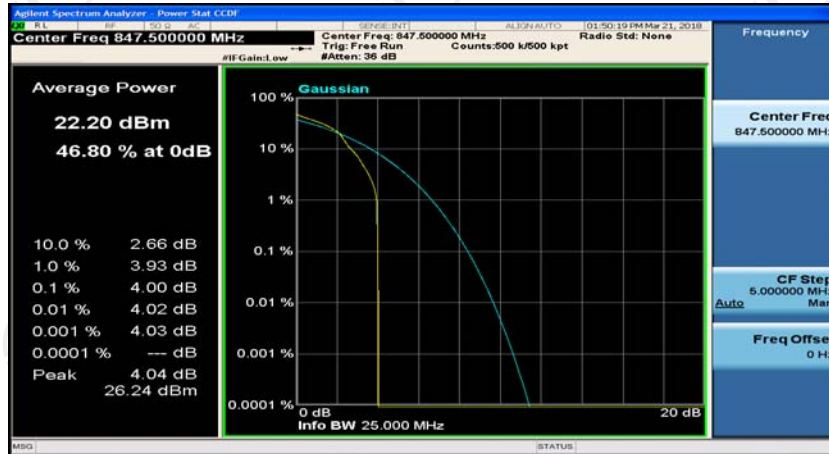
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



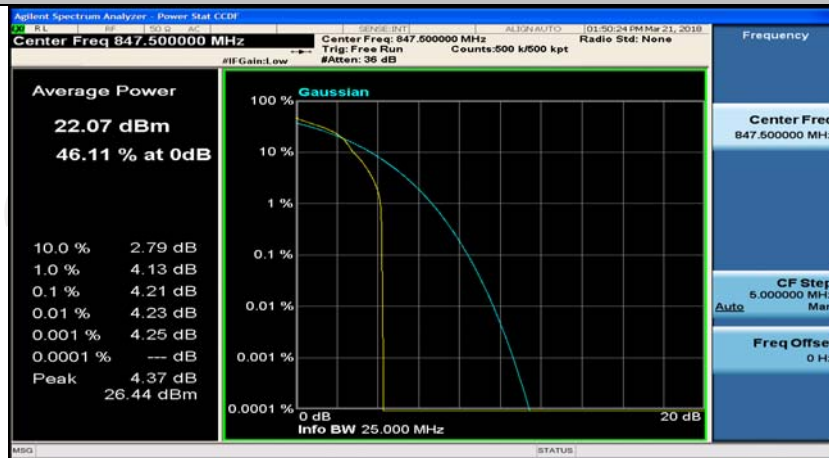
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



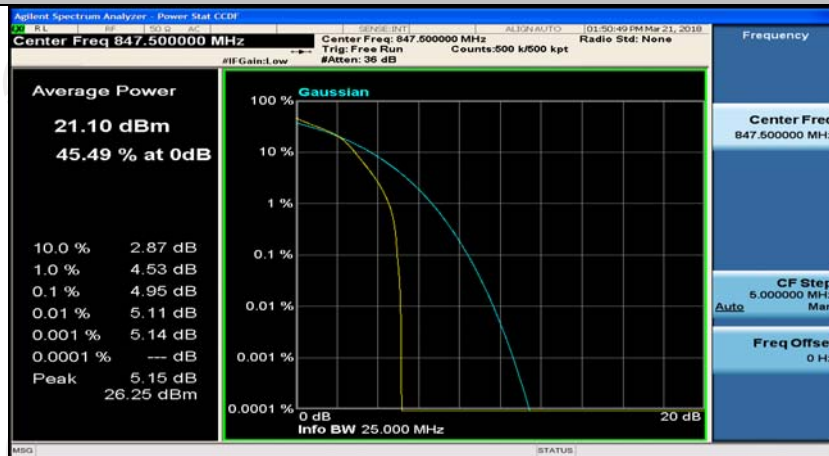
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



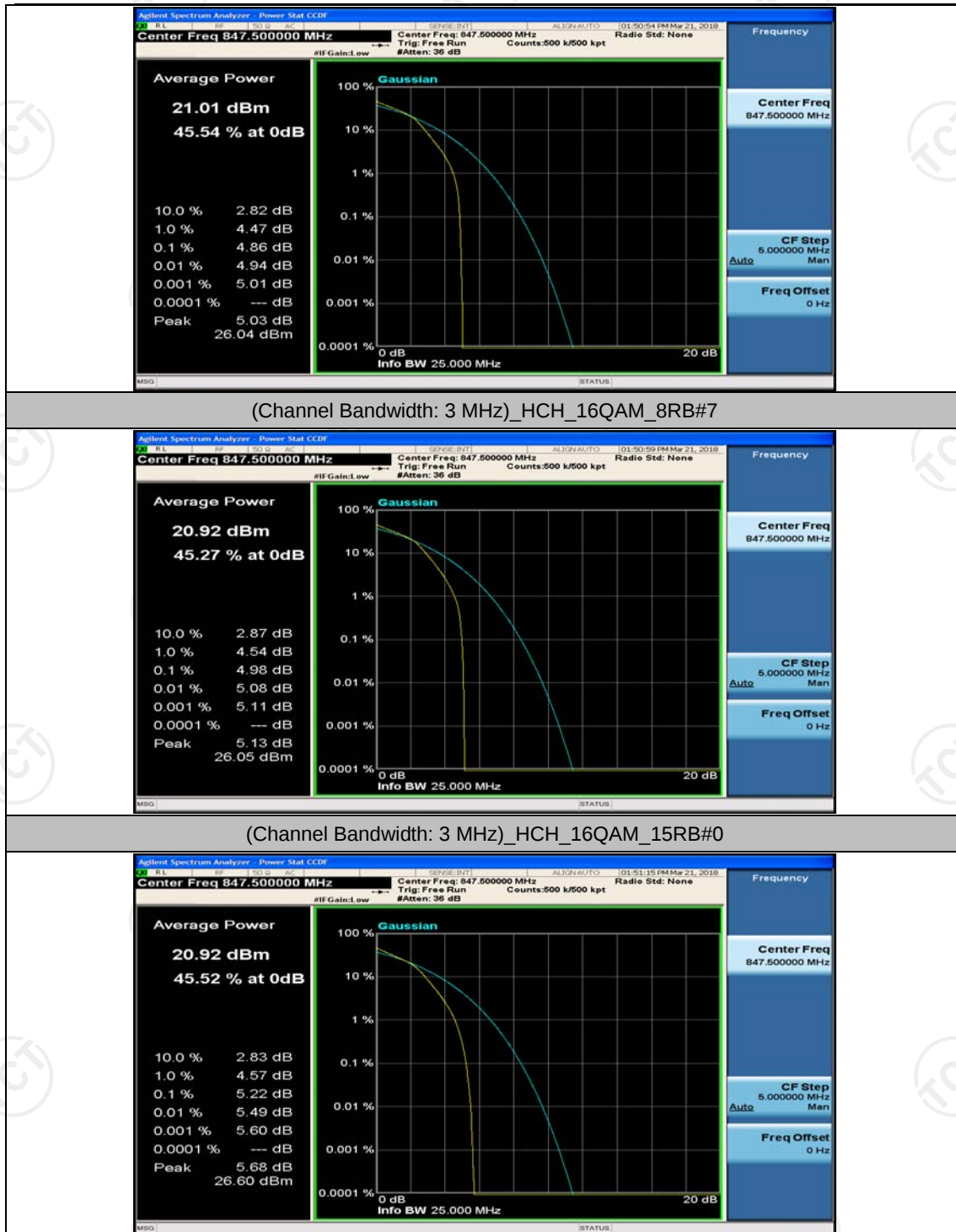
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

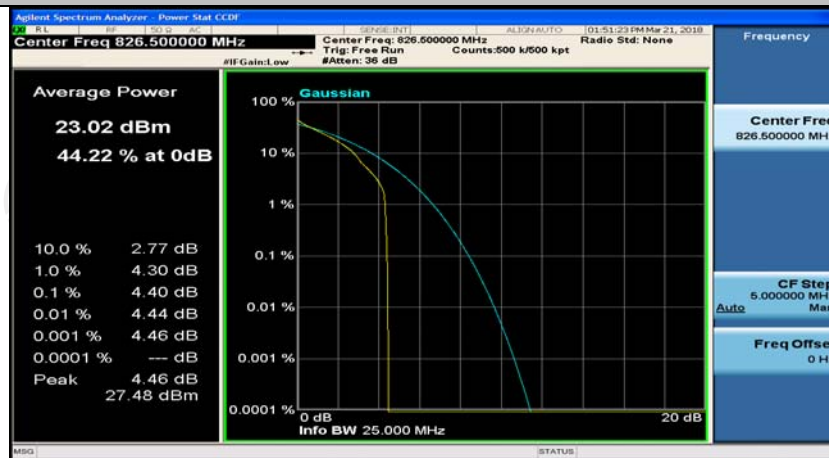


(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

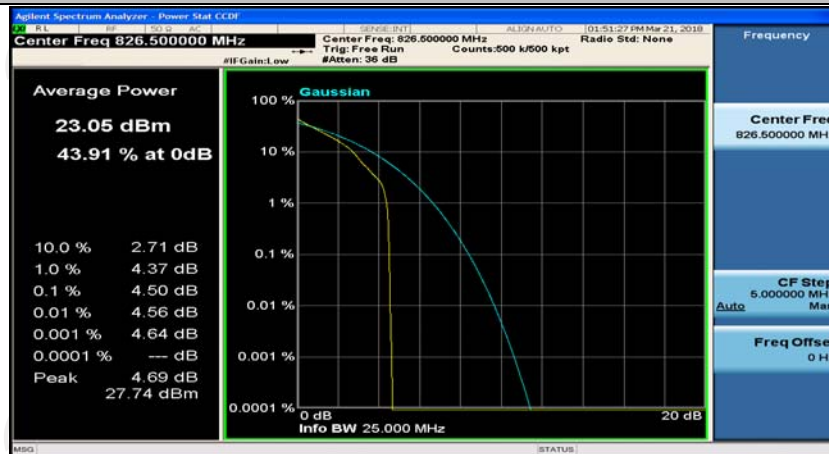


Channel Bandwidth: 5 MHz

(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)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0