

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	23.34	21.84	PASS
		1	3	23.40	21.90	PASS
		1	5	23.43	21.93	PASS
		3	0	23.47	21.97	PASS
		3	2	23.50	22.00	PASS
		3	3	23.48	21.98	PASS
		6	0	22.46	20.96	PASS
	MCH	1	0	23.35	21.85	PASS
		1	3	23.50	22.00	PASS
		1	5	23.33	21.83	PASS
		3	0	23.47	21.97	PASS
		3	2	23.45	21.95	PASS
		3	3	23.50	22.00	PASS
		6	0	22.39	20.89	PASS
	HCH	1	0	23.38	21.88	PASS
		1	3	23.42	21.92	PASS
		1	5	23.32	21.82	PASS
		3	0	23.45	21.95	PASS
		3	2	23.45	21.95	PASS
		3	3	23.48	21.98	PASS
		6	0	22.40	20.90	PASS
16QAM	LCH	1	0	22.82	21.32	PASS
		1	3	22.98	21.48	PASS
		1	5	22.83	21.33	PASS
		3	0	22.43	20.93	PASS
		3	2	22.33	20.83	PASS
		3	3	22.31	20.81	PASS
		6	0	21.50	20.00	PASS
	MCH	1	0	22.51	21.01	PASS
		1	3	22.69	21.19	PASS
		1	5	22.52	21.02	PASS
		3	0	22.38	20.88	PASS
		3	2	22.39	20.89	PASS

		3	3	22.40	20.90	PASS
		6	0	21.33	19.83	PASS
	HCH	1	0	22.23	20.73	PASS
		1	3	22.44	20.94	PASS
		1	5	22.27	20.77	PASS
		3	0	22.27	20.77	PASS
		3	2	22.27	20.77	PASS
		3	3	22.22	20.72	PASS
		6	0	21.42	19.92	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	23.43	21.93	PASS
		1	7	23.42	21.92	PASS
		1	14	23.39	21.89	PASS
		8	0	22.50	21.00	PASS
		8	4	22.49	20.99	PASS
		8	7	22.49	20.99	PASS
		15	0	22.43	20.93	PASS
	MCH	1	0	23.44	21.94	PASS
		1	7	23.42	21.92	PASS
		1	14	23.42	21.92	PASS
		8	0	22.42	20.92	PASS
		8	4	22.42	20.92	PASS
		8	7	22.39	20.89	PASS
		15	0	22.41	20.91	PASS
	HCH	1	0	23.44	21.94	PASS
		1	7	23.41	21.91	PASS
		1	14	23.42	21.92	PASS
		8	0	22.47	20.97	PASS
		8	4	22.47	20.97	PASS
		8	7	22.37	20.87	PASS
		15	0	22.40	20.90	PASS
16QAM	LCH	1	0	22.69	21.19	PASS
		1	7	22.54	21.04	PASS
		1	14	22.57	21.07	PASS
		8	0	21.56	20.06	PASS
		8	4	21.55	20.05	PASS
		8	7	21.55	20.05	PASS

	MCH	15	0	21.51	20.01	PASS
		1	0	22.63	21.13	PASS
		1	7	22.55	21.05	PASS
		1	14	22.58	21.08	PASS
		8	0	21.45	19.95	PASS
		8	4	21.47	19.97	PASS
		8	7	21.45	19.95	PASS
		15	0	21.38	19.88	PASS
	HCH	1	0	22.33	20.83	PASS
		1	7	22.34	20.84	PASS
		1	14	22.32	20.82	PASS
		8	0	21.49	19.99	PASS
		8	4	21.51	20.01	PASS
		8	7	21.43	19.93	PASS
		15	0	21.35	19.85	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	23.41	21.91	PASS
		1	12	23.51	22.01	PASS
		1	24	23.42	21.92	PASS
		12	0	22.46	20.96	PASS
		12	6	22.50	21.00	PASS
		12	13	22.47	20.97	PASS
		25	0	22.46	20.96	PASS
	MCH	1	0	23.38	21.88	PASS
		1	12	23.46	21.96	PASS
		1	24	23.36	21.86	PASS
		12	0	22.48	20.98	PASS
		12	6	22.52	21.02	PASS
		12	13	22.31	20.81	PASS
		25	0	22.40	20.90	PASS
	HCH	1	0	23.44	21.94	PASS
		1	12	23.50	22.00	PASS
		1	24	23.40	21.90	PASS
		12	0	22.25	20.75	PASS
		12	6	22.25	20.75	PASS
		12	13	22.27	20.77	PASS
		25	0	22.25	20.75	PASS

16QAM	LCH	1	0	22.42	20.92	PASS
		1	12	22.51	21.01	PASS
		1	24	22.39	20.89	PASS
		12	0	21.47	19.97	PASS
		12	6	21.49	19.99	PASS
		12	13	21.52	20.02	PASS
		25	0	21.51	20.01	PASS
	MCH	1	0	22.59	21.09	PASS
		1	12	22.66	21.16	PASS
		1	24	22.58	21.08	PASS
		12	0	21.59	20.09	PASS
		12	6	21.58	20.08	PASS
		12	13	21.41	19.91	PASS
		25	0	21.47	19.97	PASS
	HCH	1	0	22.38	20.88	PASS
		1	12	22.50	21.00	PASS
		1	24	22.38	20.88	PASS
		12	0	21.23	19.73	PASS
		12	6	21.26	19.76	PASS
		12	13	21.32	19.82	PASS
		25	0	21.34	19.84	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	23.41	21.91	PASS
		1	24	23.51	22.01	PASS
		1	49	23.35	21.85	PASS
		25	0	22.44	20.94	PASS
		25	12	22.45	20.95	PASS
		25	25	22.62	21.12	PASS
		50	0	22.50	21.00	PASS
	MCH	1	0	23.41	21.91	PASS
		1	24	23.50	22.00	PASS
		1	49	23.36	21.86	PASS
		25	0	22.51	21.01	PASS
		25	12	22.53	21.03	PASS
		25	25	22.28	20.78	PASS
		50	0	22.44	20.94	PASS
	HCH	1	0	23.46	21.96	PASS

		1	24	23.49	21.99	PASS
		1	49	23.35	21.85	PASS
		25	0	22.49	20.99	PASS
		25	12	22.48	20.98	PASS
		25	25	22.52	21.02	PASS
		50	0	22.49	20.99	PASS
16QAM	LCH	1	0	22.60	21.10	PASS
		1	24	22.64	21.14	PASS
		1	49	22.55	21.05	PASS
		25	0	21.48	19.98	PASS
		25	12	21.44	19.94	PASS
		25	25	21.67	20.17	PASS
		50	0	21.54	20.04	PASS
	MCH	1	0	22.58	21.08	PASS
		1	24	22.68	21.18	PASS
		1	49	22.52	21.02	PASS
		25	0	21.65	20.15	PASS
		25	12	21.62	20.12	PASS
		25	25	21.38	19.88	PASS
		50	0	21.44	19.94	PASS
	HCH	1	0	22.36	20.86	PASS
		1	24	22.36	20.86	PASS
		1	49	22.29	20.79	PASS
		25	0	21.57	20.07	PASS
		25	12	21.58	20.08	PASS
		25	25	21.59	20.09	PASS
		50	0	21.54	20.04	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	4.71	<13	PASS
		1	3	4.55	<13	PASS
		1	5	4.58	<13	PASS
		3	0	4.58	<13	PASS
		3	2	4.5	<13	PASS
		3	3	4.35	<13	PASS
		6	0	5.08	<13	PASS
	MCH	1	0	5.36	<13	PASS
		1	3	5.35	<13	PASS
		1	5	5.29	<13	PASS
		3	0	5.14	<13	PASS
		3	2	5.24	<13	PASS
		3	3	5.14	<13	PASS
		6	0	5.51	<13	PASS
	HCH	1	0	4.58	<13	PASS
		1	3	4.59	<13	PASS
		1	5	4.38	<13	PASS
		3	0	4.67	<13	PASS
		3	2	4.67	<13	PASS
		3	3	4.36	<13	PASS
		6	0	5.25	<13	PASS
16QAM	LCH	1	0	5.6	<13	PASS
		1	3	5.55	<13	PASS
		1	5	5.49	<13	PASS
		3	0	5.26	<13	PASS
		3	2	5.38	<13	PASS
		3	3	5.22	<13	PASS
		6	0	5.85	<13	PASS
	MCH	1	0	6.02	<13	PASS
		1	3	6.2	<13	PASS
		1	5	6.27	<13	PASS

		3	0	6.03	<13	PASS
		3	2	5.95	<13	PASS
		3	3	5.91	<13	PASS
		6	0	6.26	<13	PASS
	HCH	1	0	5.4	<13	PASS
		1	3	5.33	<13	PASS
		1	5	5.28	<13	PASS
		3	0	5.53	<13	PASS
		3	2	5.52	<13	PASS
		3	3	5.37	<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	4.65	<13	PASS
		1	7	4.36	<13	PASS
		1	14	4.23	<13	PASS
		8	0	5.09	<13	PASS
		8	4	5.08	<13	PASS
		8	7	4.97	<13	PASS
		15	0	5.04	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	7	5.23	<13	PASS
		1	14	5.24	<13	PASS
		8	0	5.54	<13	PASS
		8	4	5.56	<13	PASS
		8	7	5.59	<13	PASS
		15	0	5.56	<13	PASS
	HCH	1	0	4.01	<13	PASS
		1	7	4.61	<13	PASS
		1	14	4.47	<13	PASS
		8	0	4.94	<13	PASS
		8	4	4.95	<13	PASS
		8	7	5.26	<13	PASS
		15	0	5.04	<13	PASS
16QAM	LCH	1	0	5.63	<13	PASS
		1	7	5.3	<13	PASS
		1	14	5.11	<13	PASS
		8	0	5.92	<13	PASS

		8	4	5.94	<13	PASS
		8	7	5.72	<13	PASS
		15	0	5.95	<13	PASS
	MCH	1	0	5.82	<13	PASS
		1	7	6.11	<13	PASS
		1	14	6	<13	PASS
		8	0	6.27	<13	PASS
		8	4	6.31	<13	PASS
		8	7	6.35	<13	PASS
		15	0	6.42	<13	PASS
	HCH	1	0	4.72	<13	PASS
		1	7	5.44	<13	PASS
		1	14	5.23	<13	PASS
		8	0	5.77	<13	PASS
		8	4	5.69	<13	PASS
		8	7	5.98	<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	4.94	<13	PASS
		1	12	4.35	<13	PASS
		1	24	4.34	<13	PASS
		12	0	5.09	<13	PASS
		12	6	5.06	<13	PASS
		12	13	4.76	<13	PASS
		25	0	5.03	<13	PASS
	MCH	1	0	4.97	<13	PASS
		1	12	5.43	<13	PASS
		1	24	5.45	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.43	<13	PASS
		12	13	5.55	<13	PASS
		25	0	5.56	<13	PASS
	HCH	1	0	3.62	<13	PASS
		1	12	4.39	<13	PASS
		1	24	4.65	<13	PASS
		12	0	4.59	<13	PASS
		12	6	4.53	<13	PASS

		12	13	5.25	<13	PASS
		25	0	4.92	<13	PASS
16QAM	LCH	1	0	5.38	<13	PASS
		1	12	5.03	<13	PASS
		1	24	4.95	<13	PASS
		12	0	5.97	<13	PASS
		12	6	6	<13	PASS
		12	13	5.68	<13	PASS
		25	0	5.8	<13	PASS
		25	0	5.8	<13	PASS
	MCH	1	0	5.62	<13	PASS
		1	12	5.85	<13	PASS
		1	24	5.91	<13	PASS
		12	0	6.26	<13	PASS
		12	6	6.27	<13	PASS
		12	13	6.38	<13	PASS
		25	0	6.27	<13	PASS
		25	0	6.27	<13	PASS
	HCH	1	0	4.35	<13	PASS
		1	12	5.13	<13	PASS
		1	24	5.33	<13	PASS
		12	0	5.34	<13	PASS
		12	6	5.34	<13	PASS
		12	13	6.1	<13	PASS
		25	0	5.79	<13	PASS
		25	0	5.79	<13	PASS

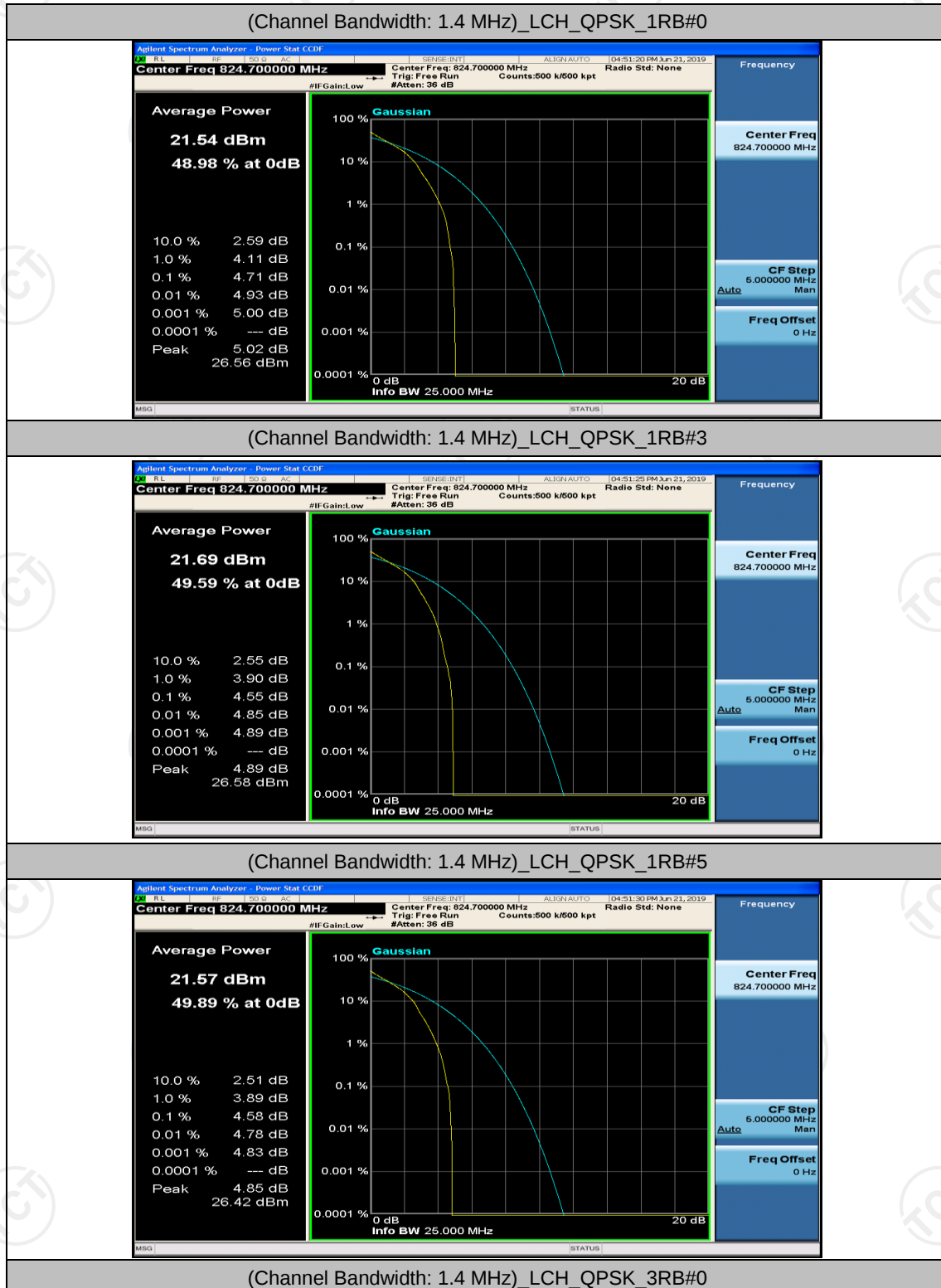
Channel Bandwidth: 10 MHz

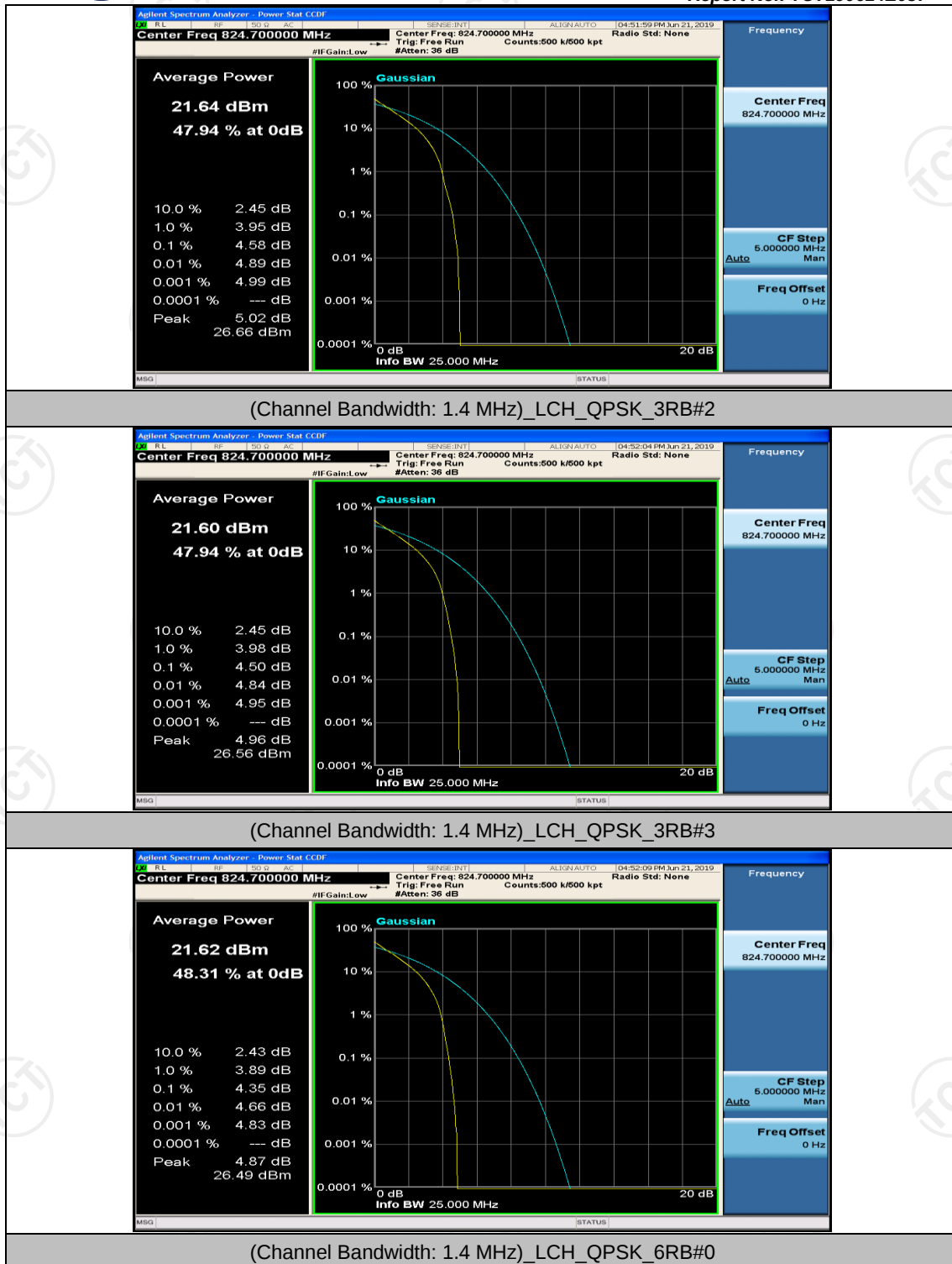
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.65	<13	PASS
		1	24	3.92	<13	PASS
		1	49	4.68	<13	PASS
		25	0	5	<13	PASS
		25	12	5.01	<13	PASS
		25	25	4.81	<13	PASS
		50	0	5.06	<13	PASS
	MCH	1	0	4.45	<13	PASS
		1	24	5.2	<13	PASS
		1	49	4.41	<13	PASS
		25	0	5.36	<13	PASS
		25	12	5.35	<13	PASS
		25	25	5.55	<13	PASS
		25	25	5.55	<13	PASS

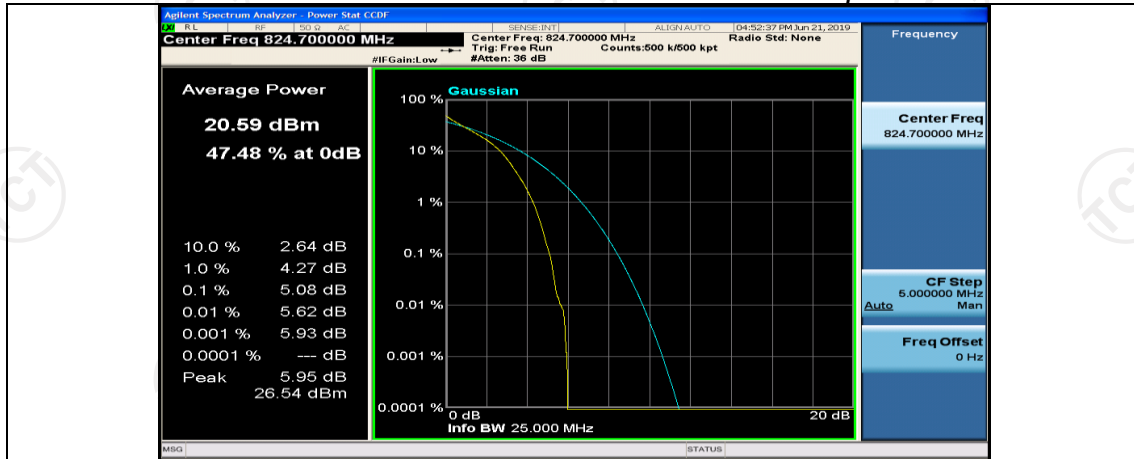
	HCH	50	0	5.29	<13	PASS
		1	0	4.72	<13	PASS
		1	24	3.3	<13	PASS
		1	49	4.57	<13	PASS
		25	0	4.8	<13	PASS
		25	12	4.81	<13	PASS
		25	25	4.79	<13	PASS
		50	0	5.13	<13	PASS
16QAM	LCH	1	0	5.51	<13	PASS
		1	24	4.85	<13	PASS
		1	49	5.65	<13	PASS
		25	0	5.87	<13	PASS
		25	12	5.86	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.82	<13	PASS
	MCH	1	0	5.36	<13	PASS
		1	24	6.13	<13	PASS
		1	49	5.14	<13	PASS
		25	0	6.21	<13	PASS
		25	12	6.2	<13	PASS
		25	25	6.39	<13	PASS
		50	0	6.14	<13	PASS
	HCH	1	0	5.43	<13	PASS
		1	24	4.18	<13	PASS
		1	49	5.31	<13	PASS
		25	0	5.72	<13	PASS
		25	12	5.75	<13	PASS
		25	25	5.58	<13	PASS
		50	0	5.91	<13	PASS

Test Graphs

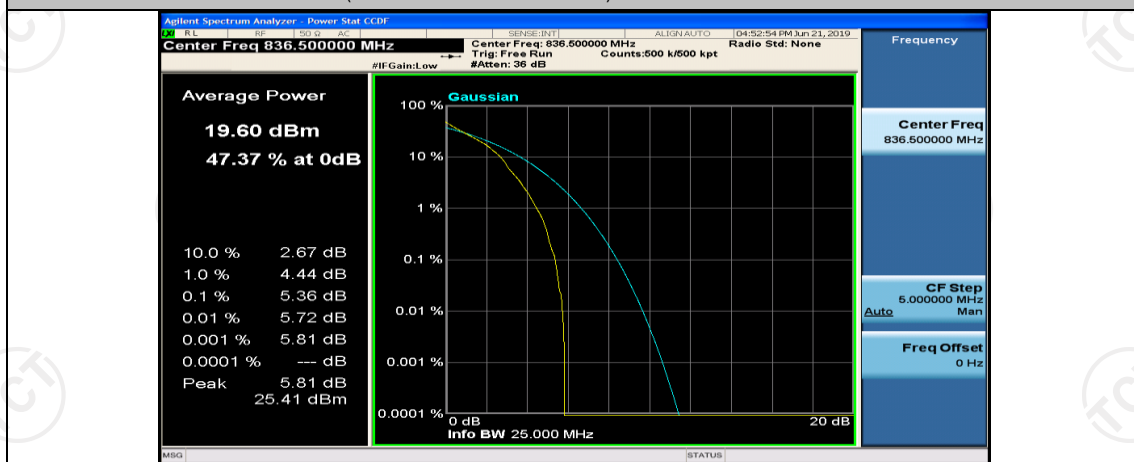
Channel Bandwidth: 1.4 MHz



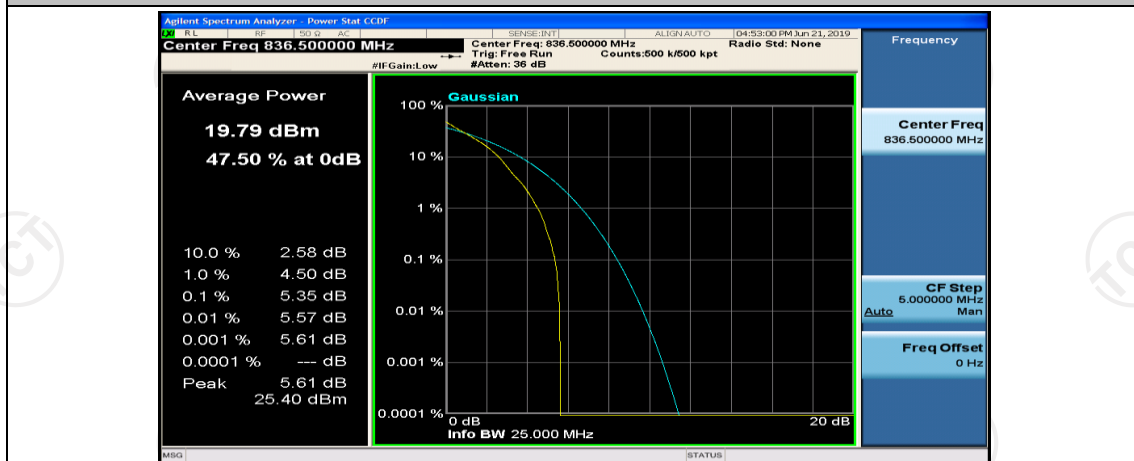




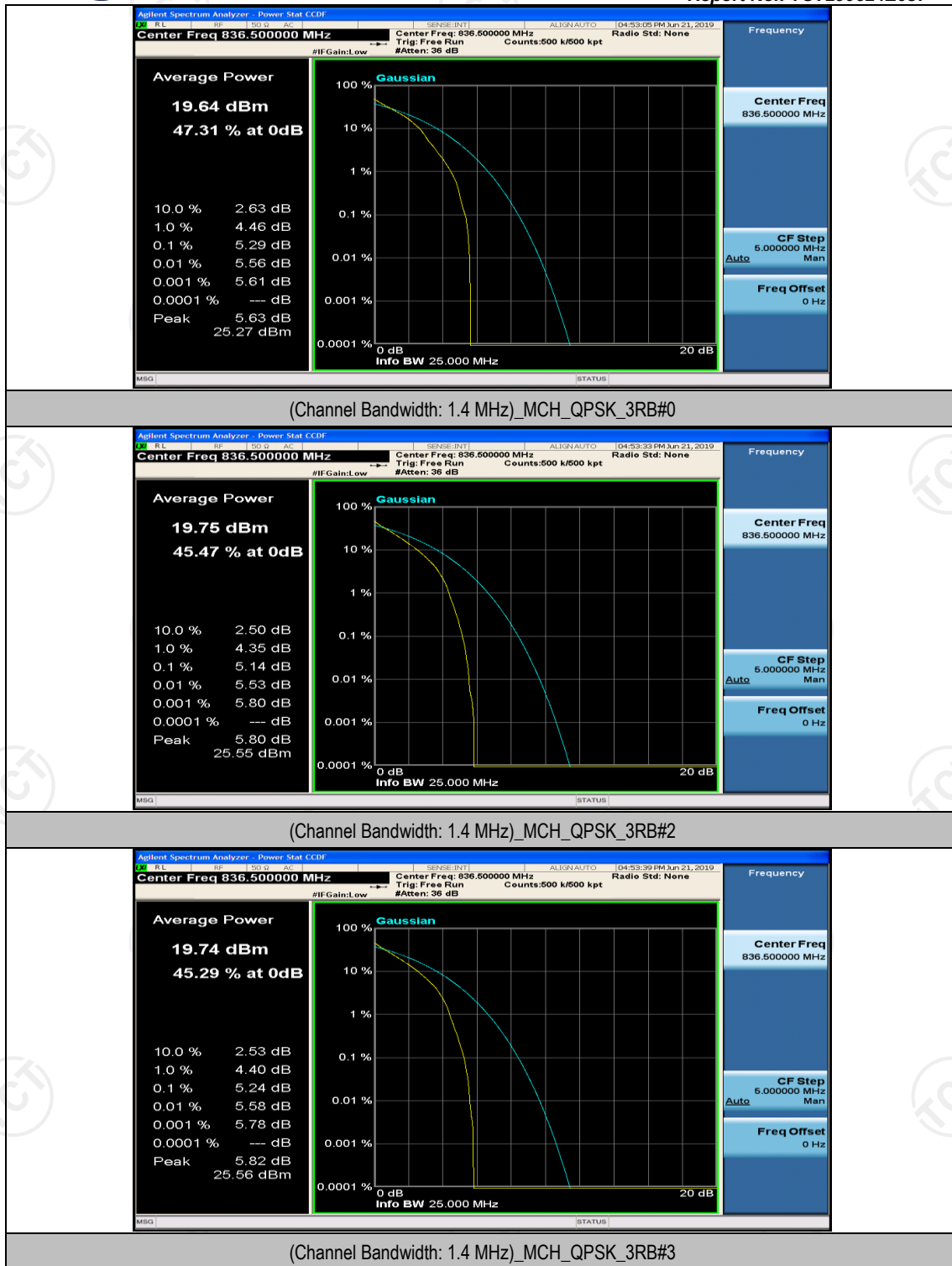
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

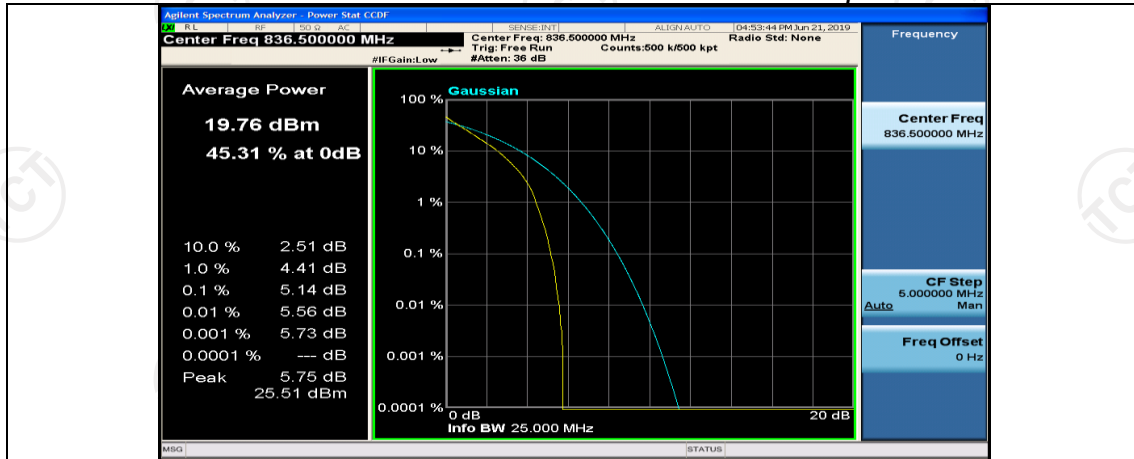


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

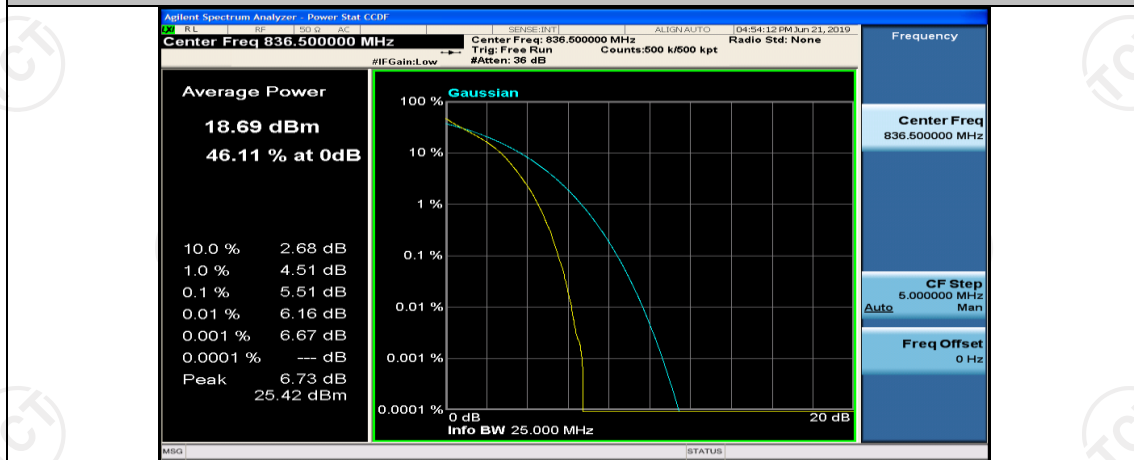


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

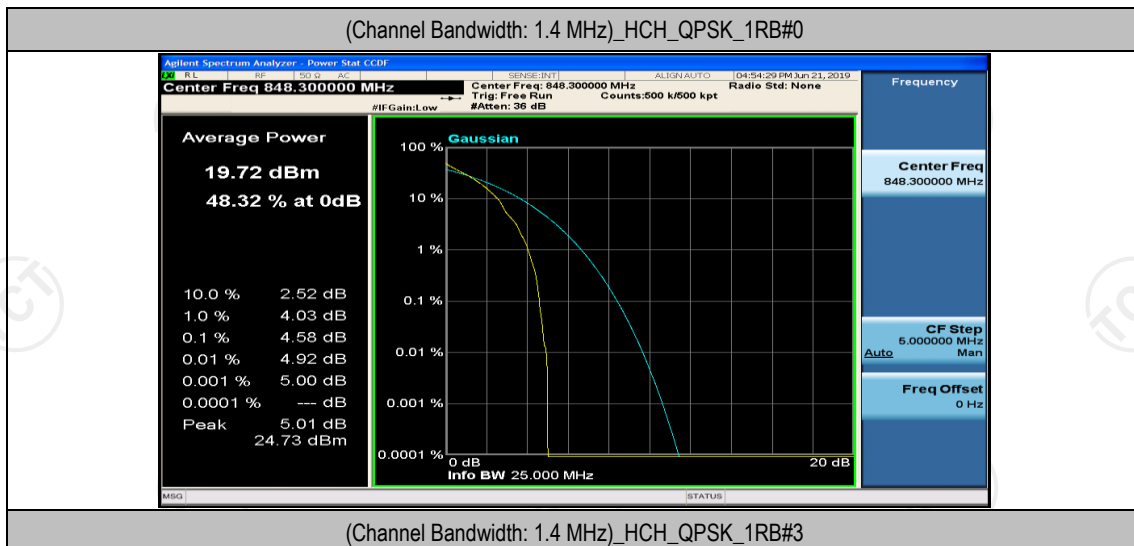




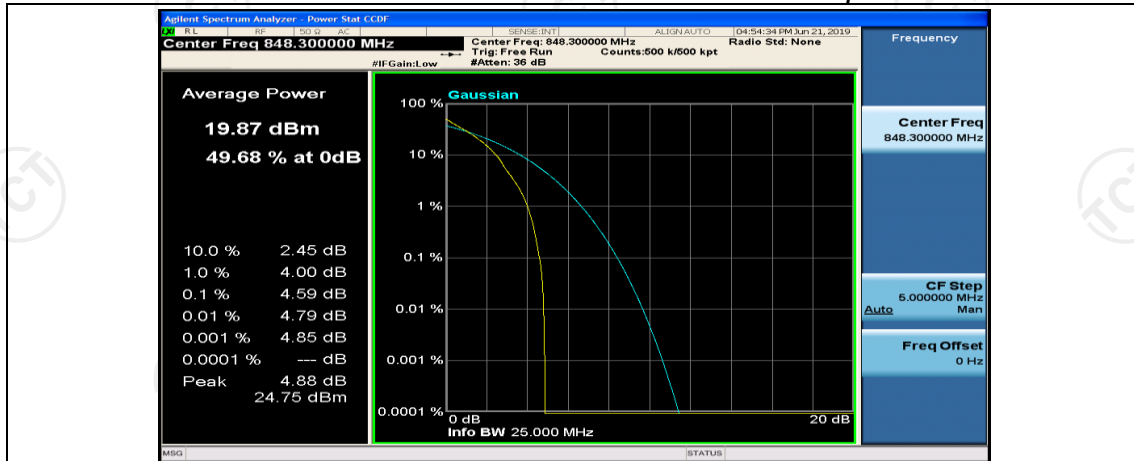
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



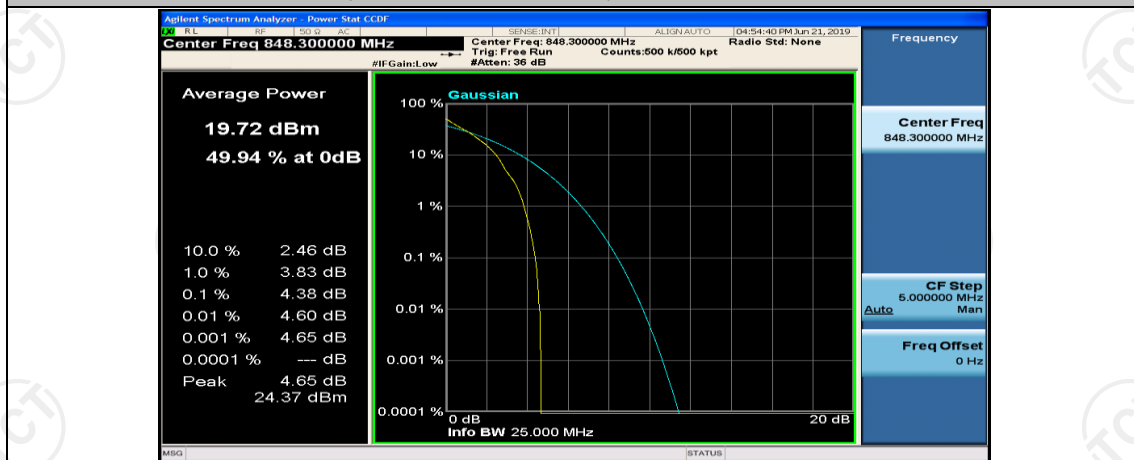
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



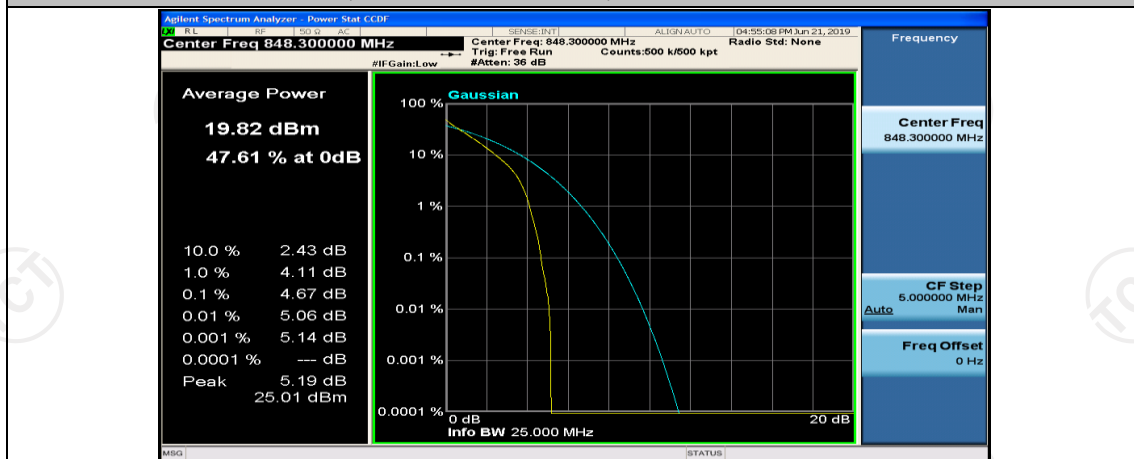
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



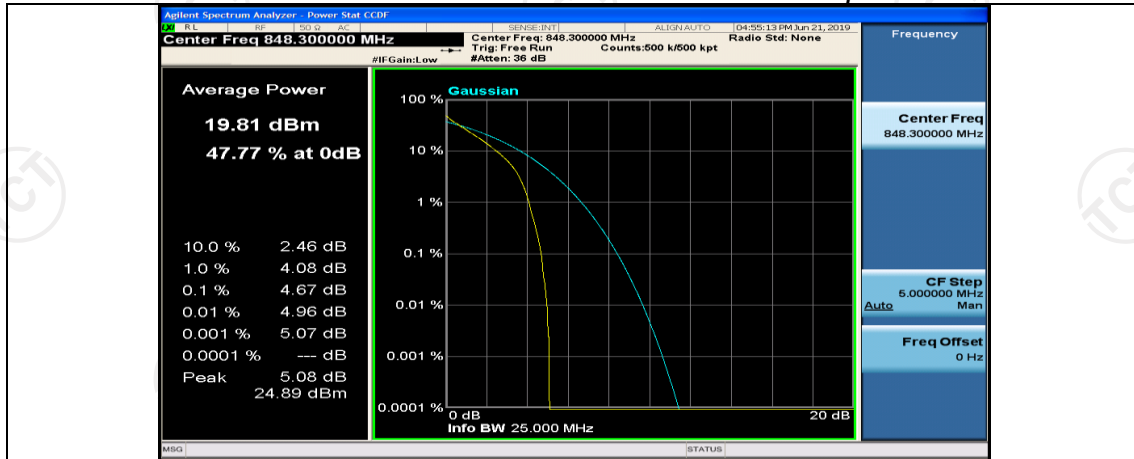
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



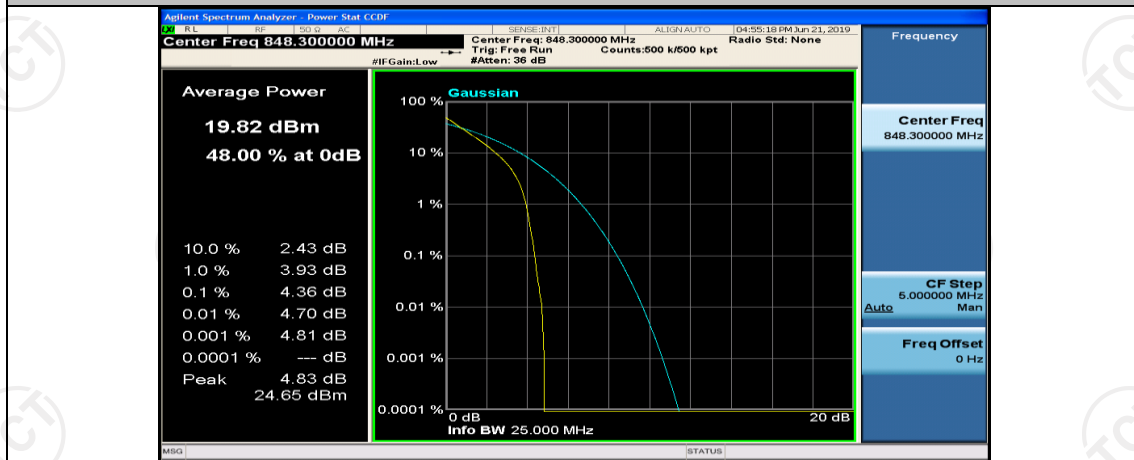
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



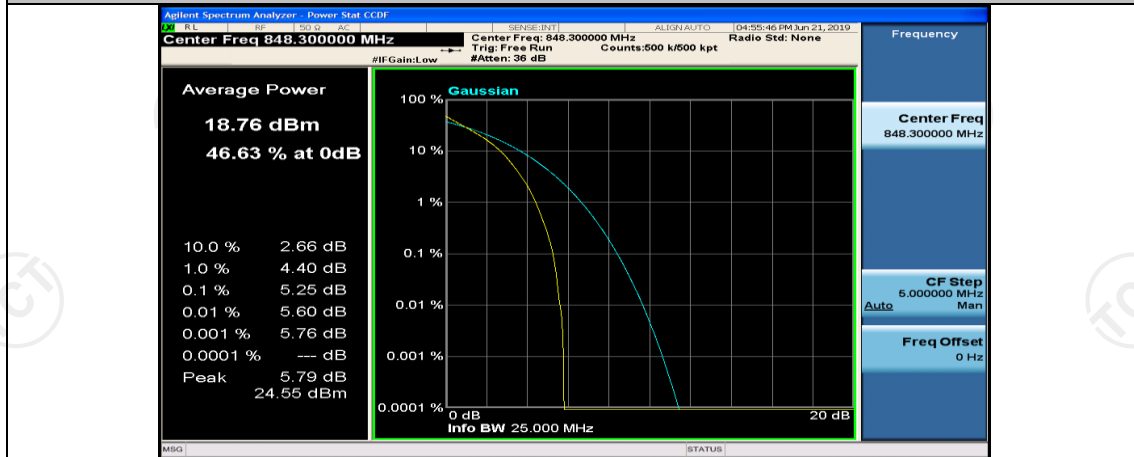
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



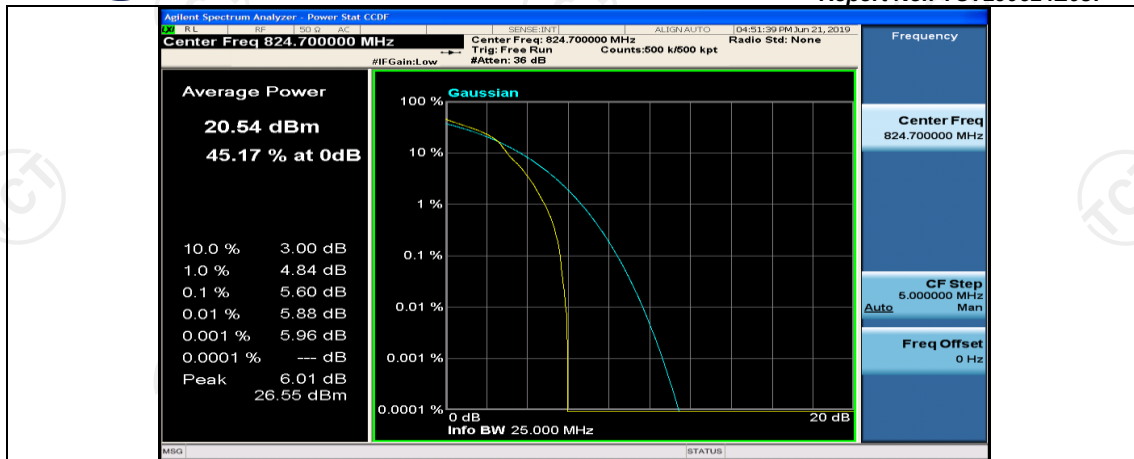
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



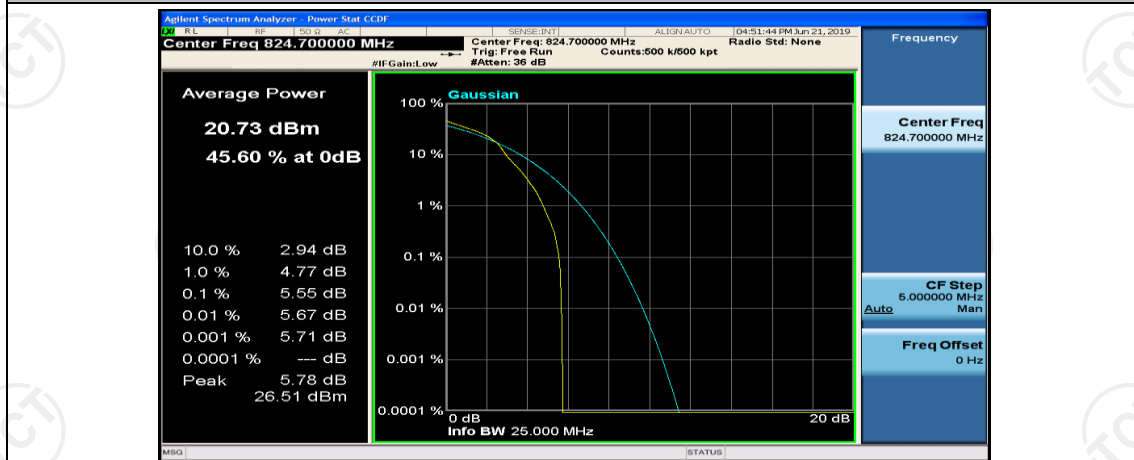
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



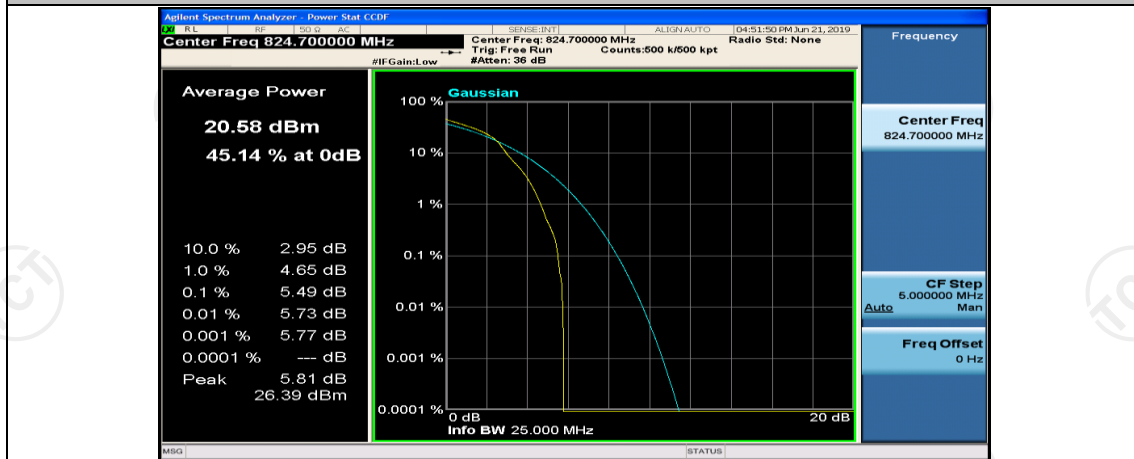
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



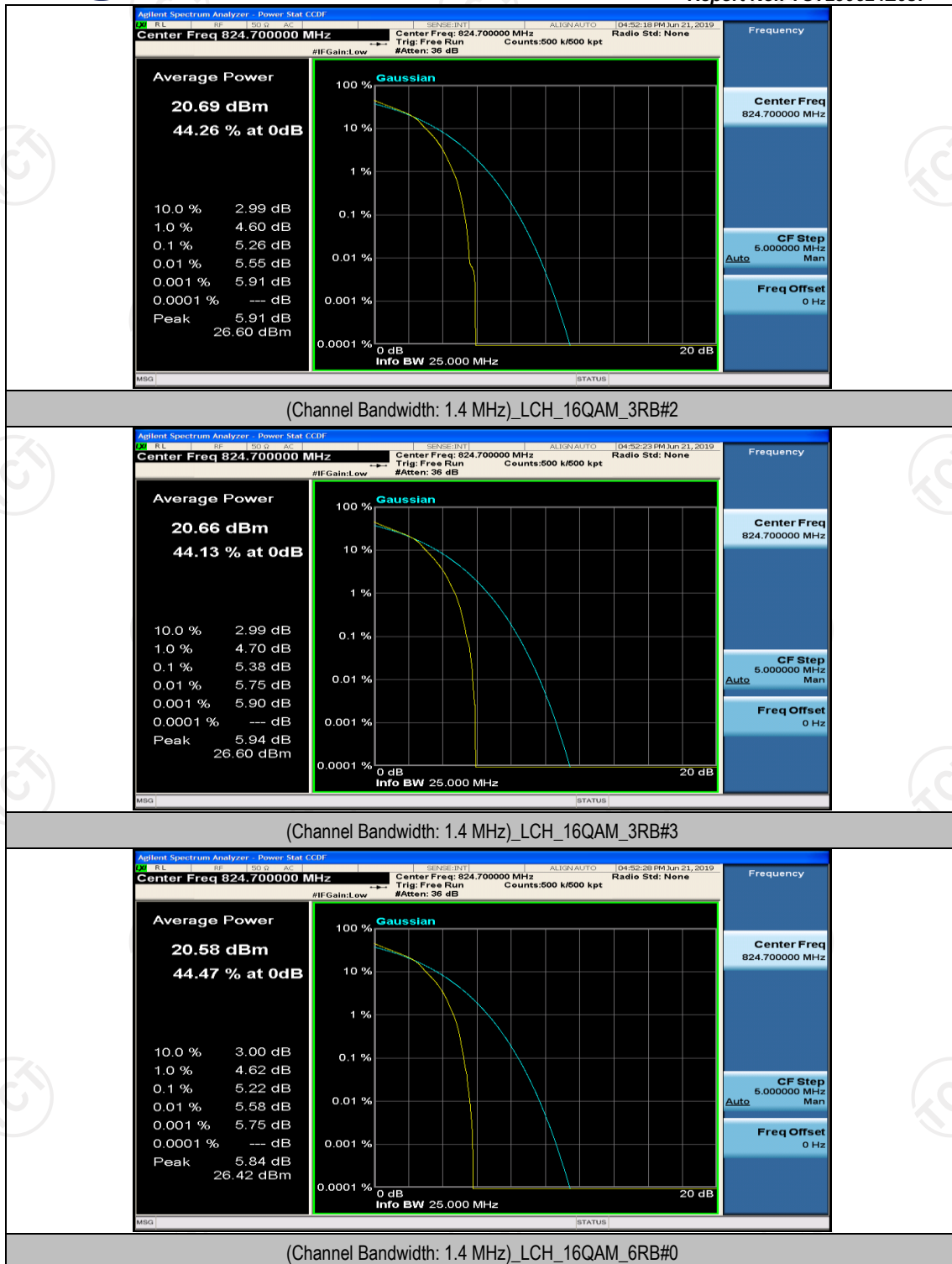
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

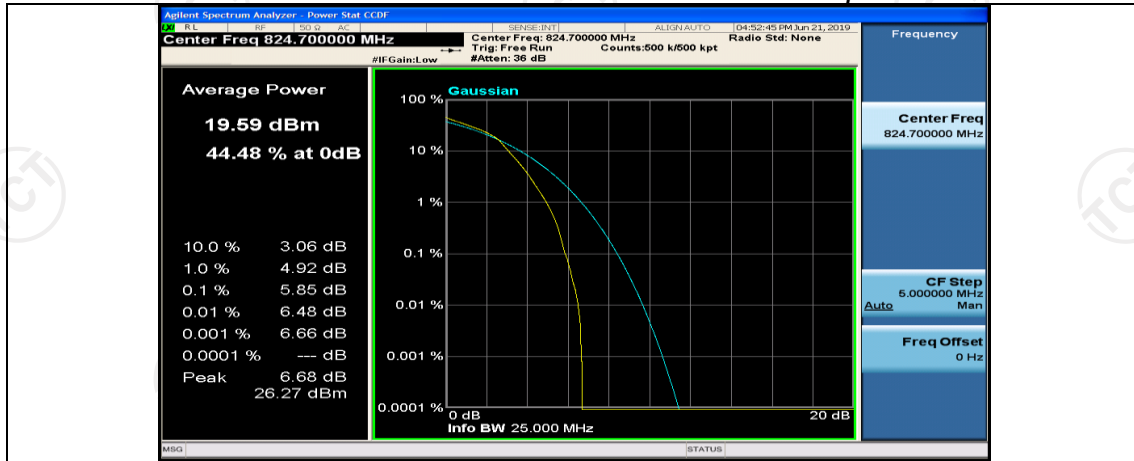


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

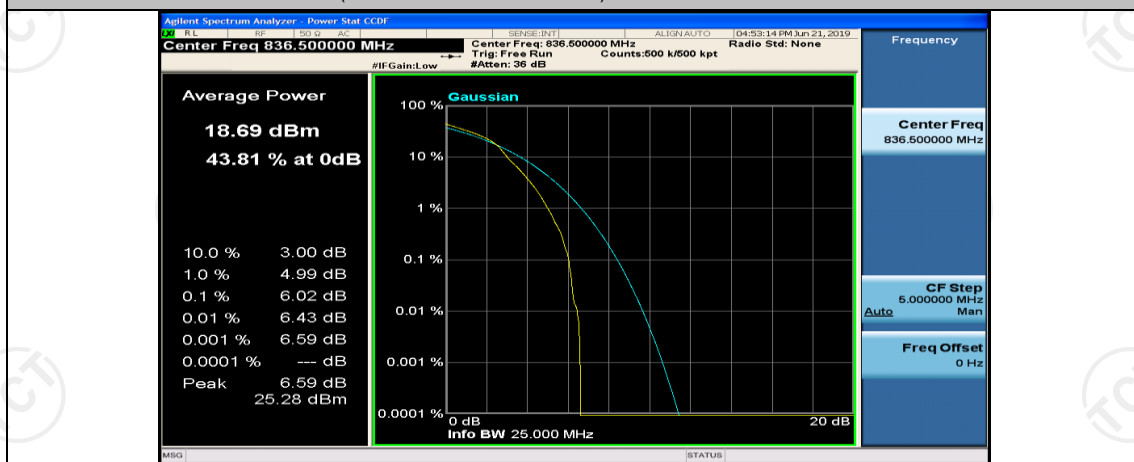


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

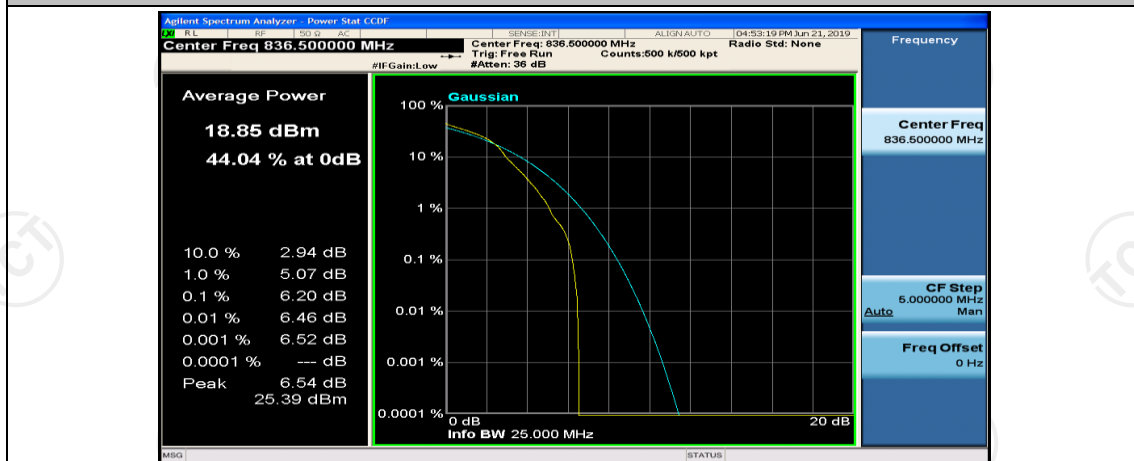




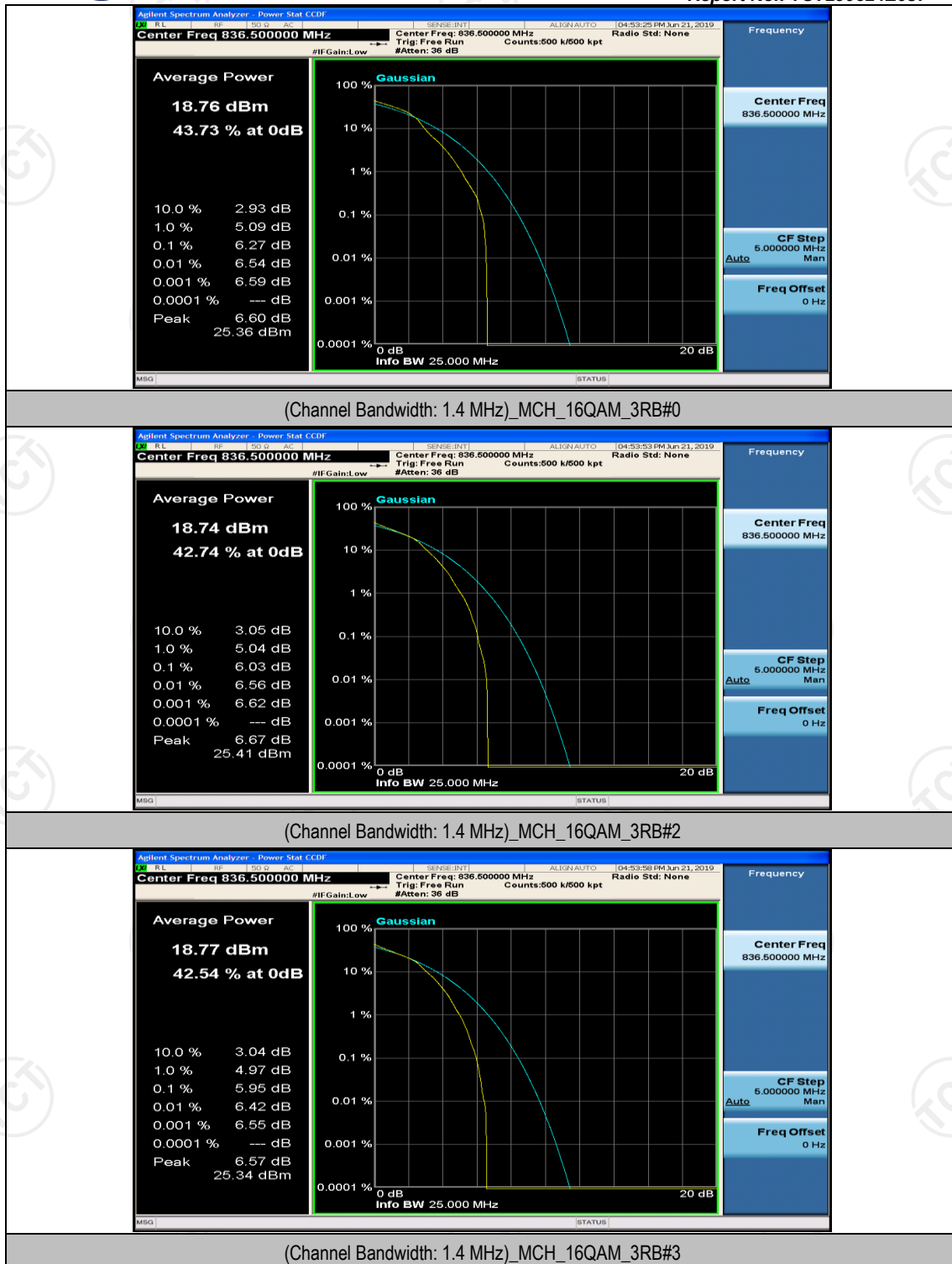
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

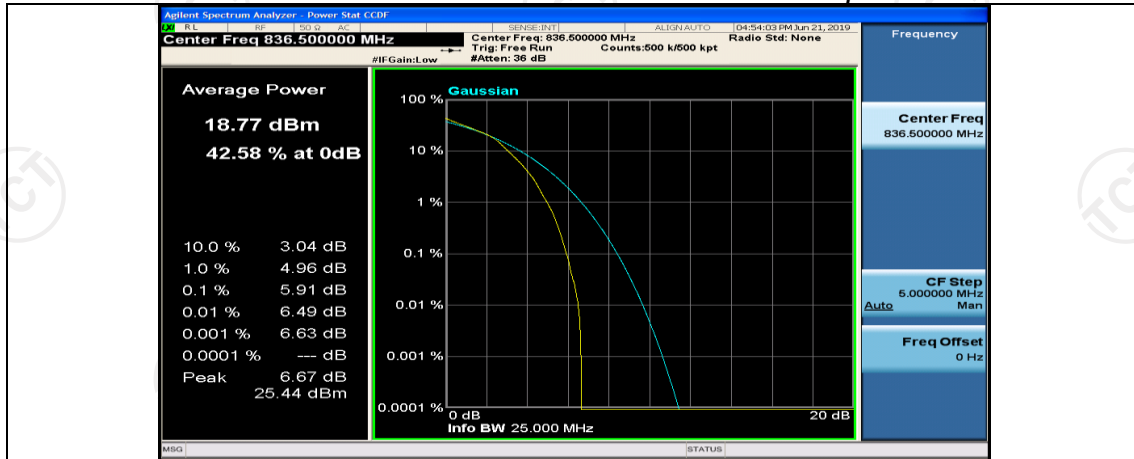


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

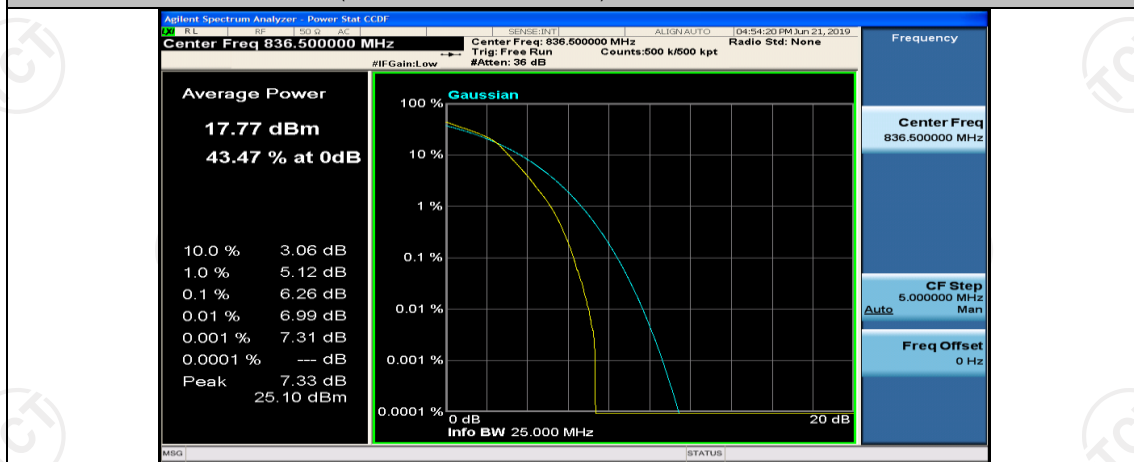


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

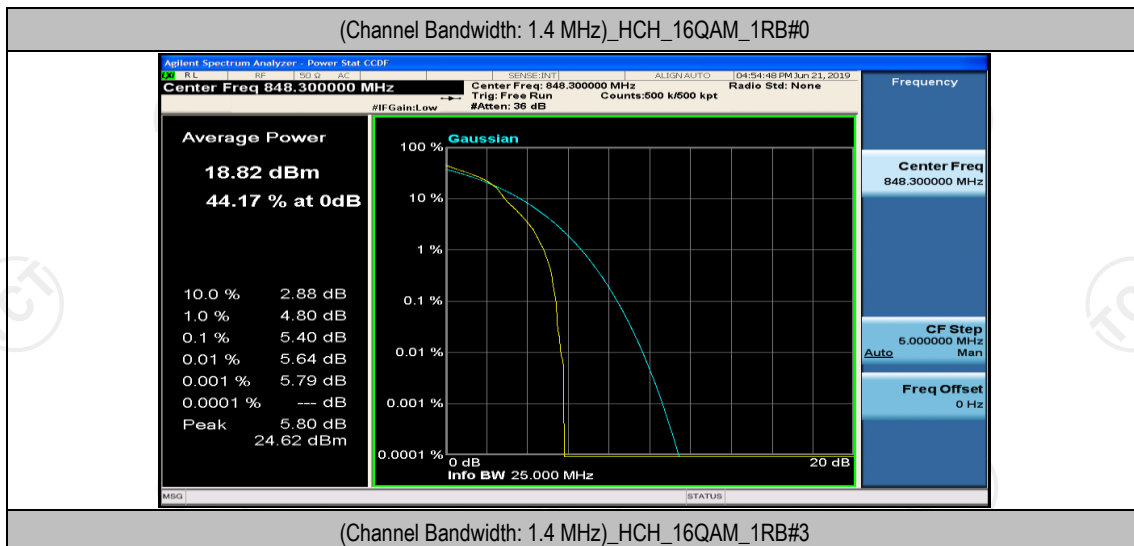




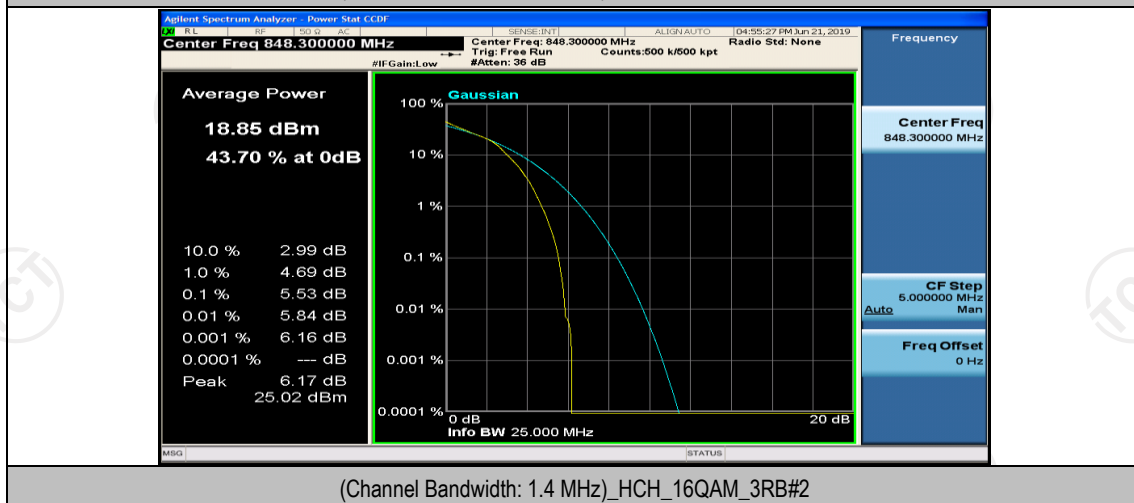
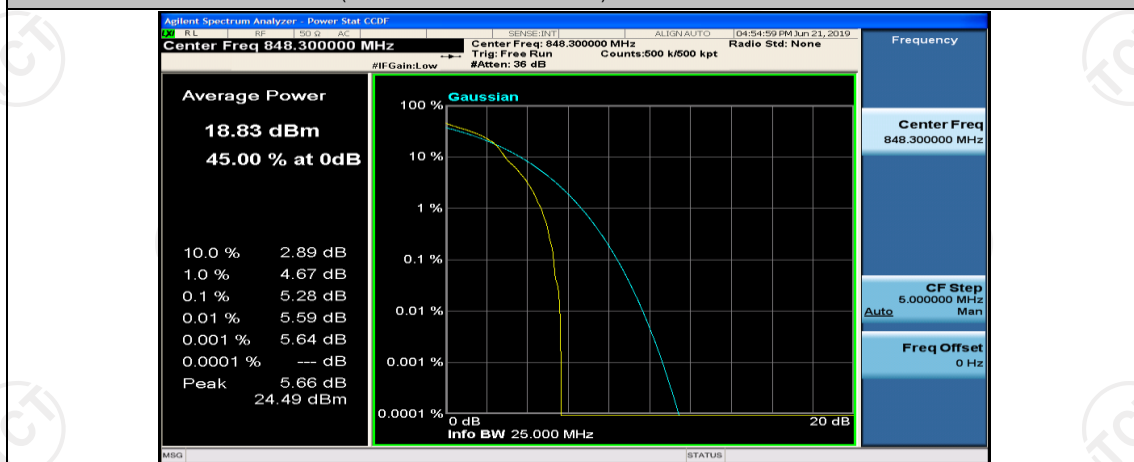
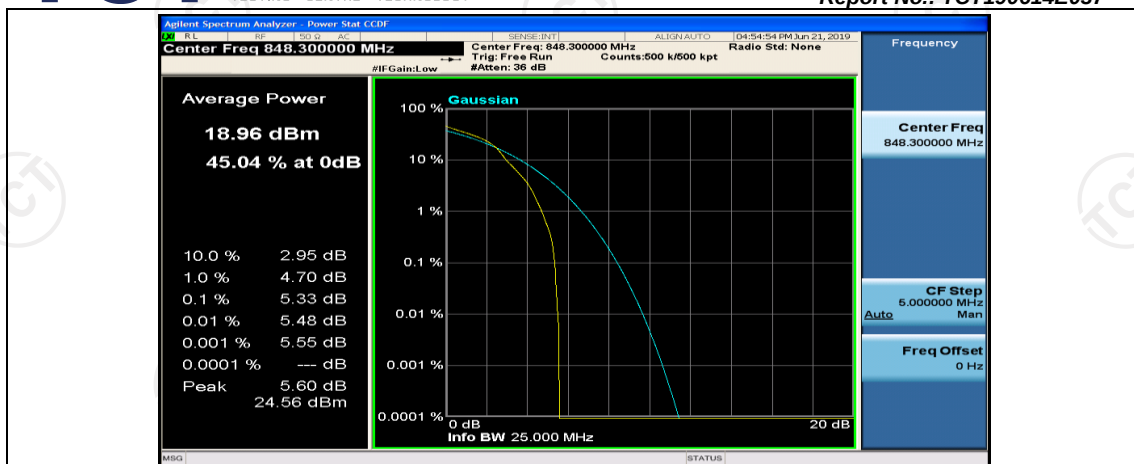
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

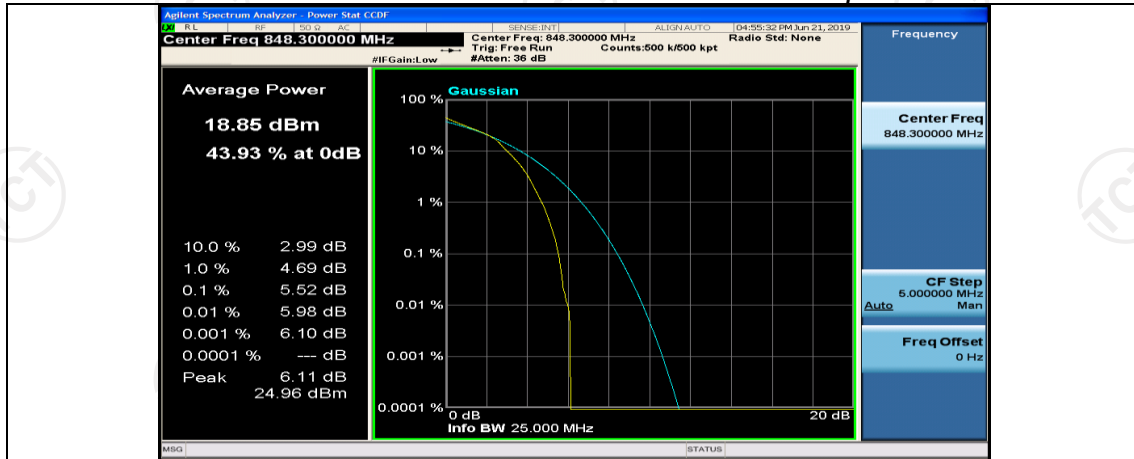


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

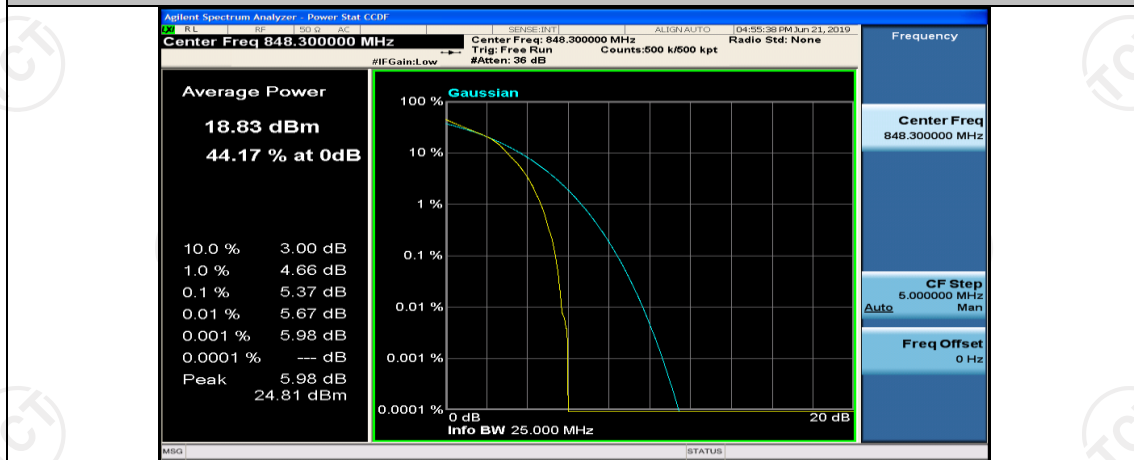


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

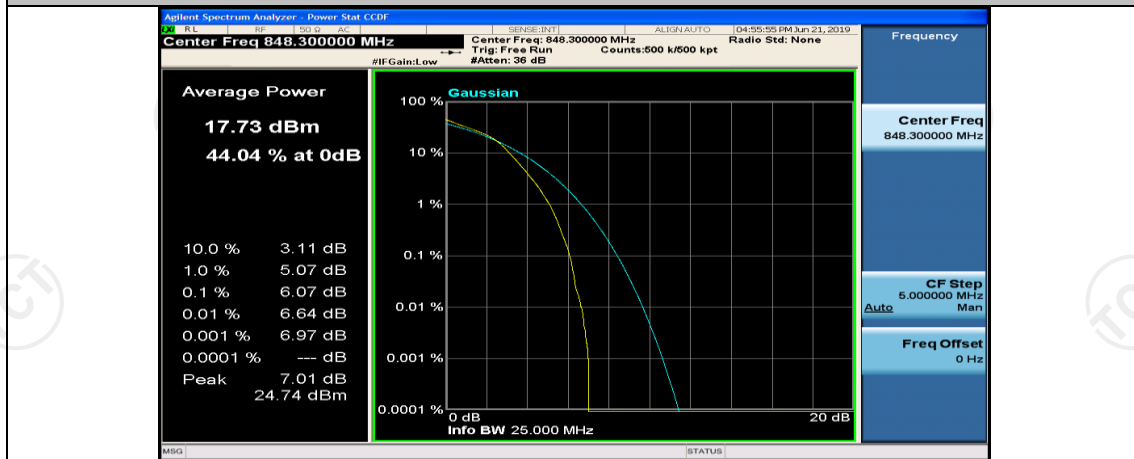




(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

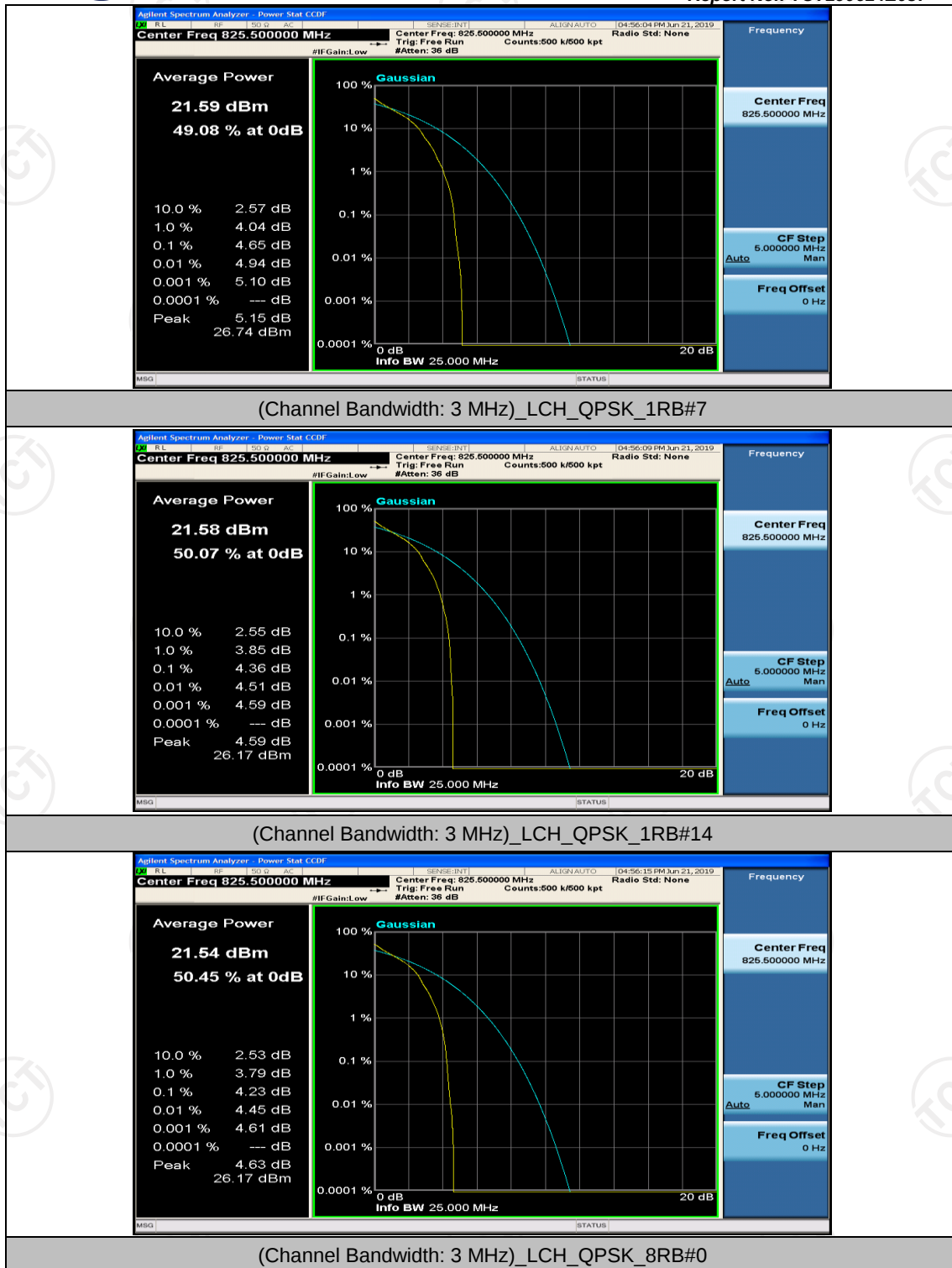


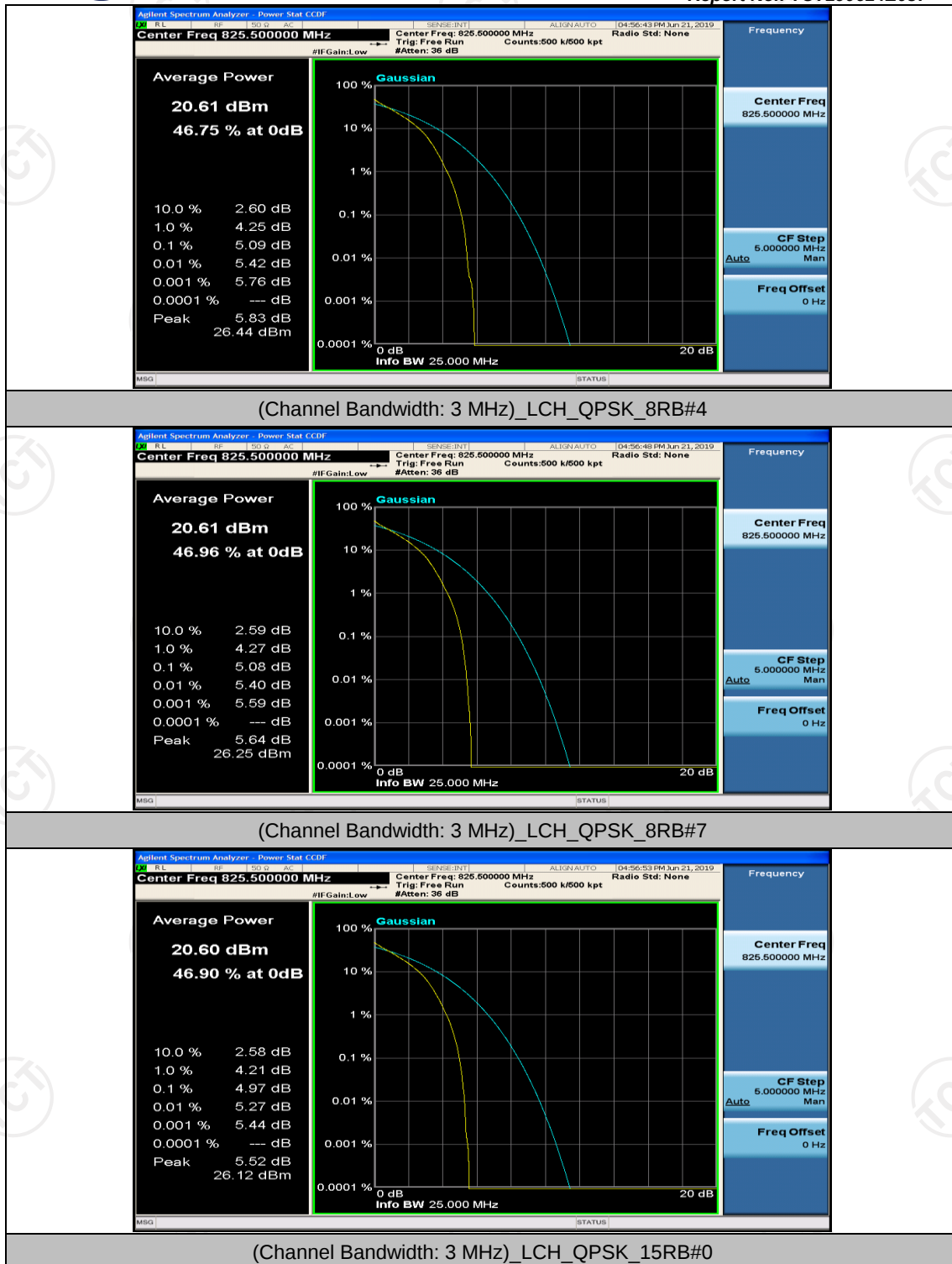
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

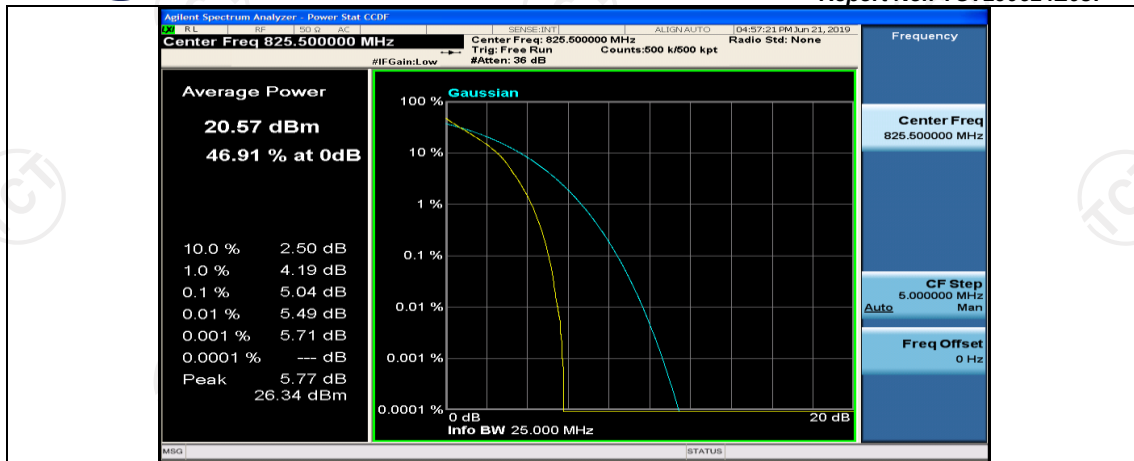


Channel Bandwidth: 3 MHz

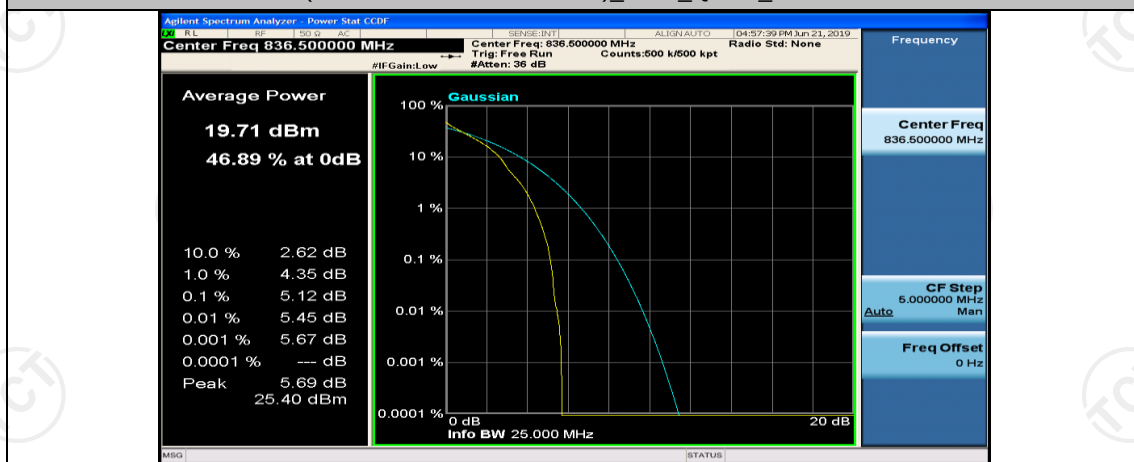
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



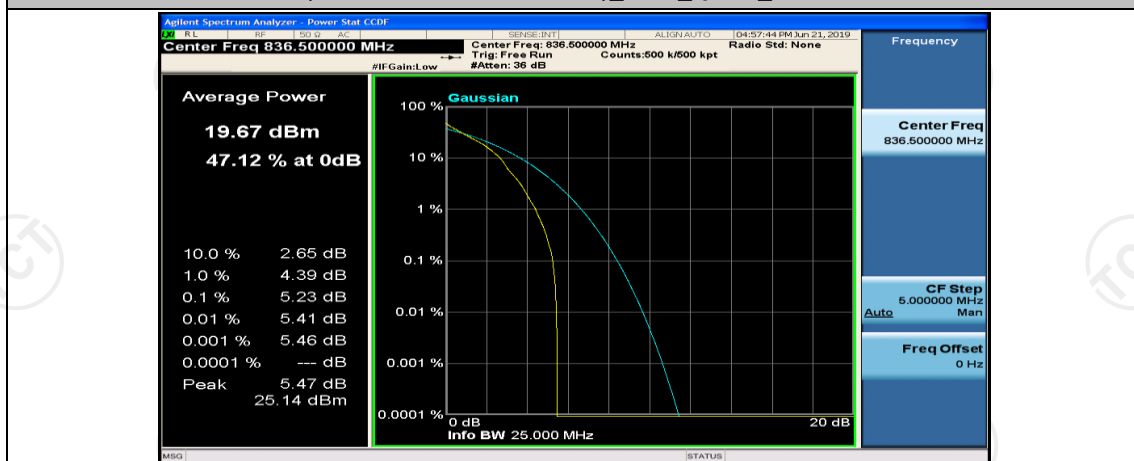




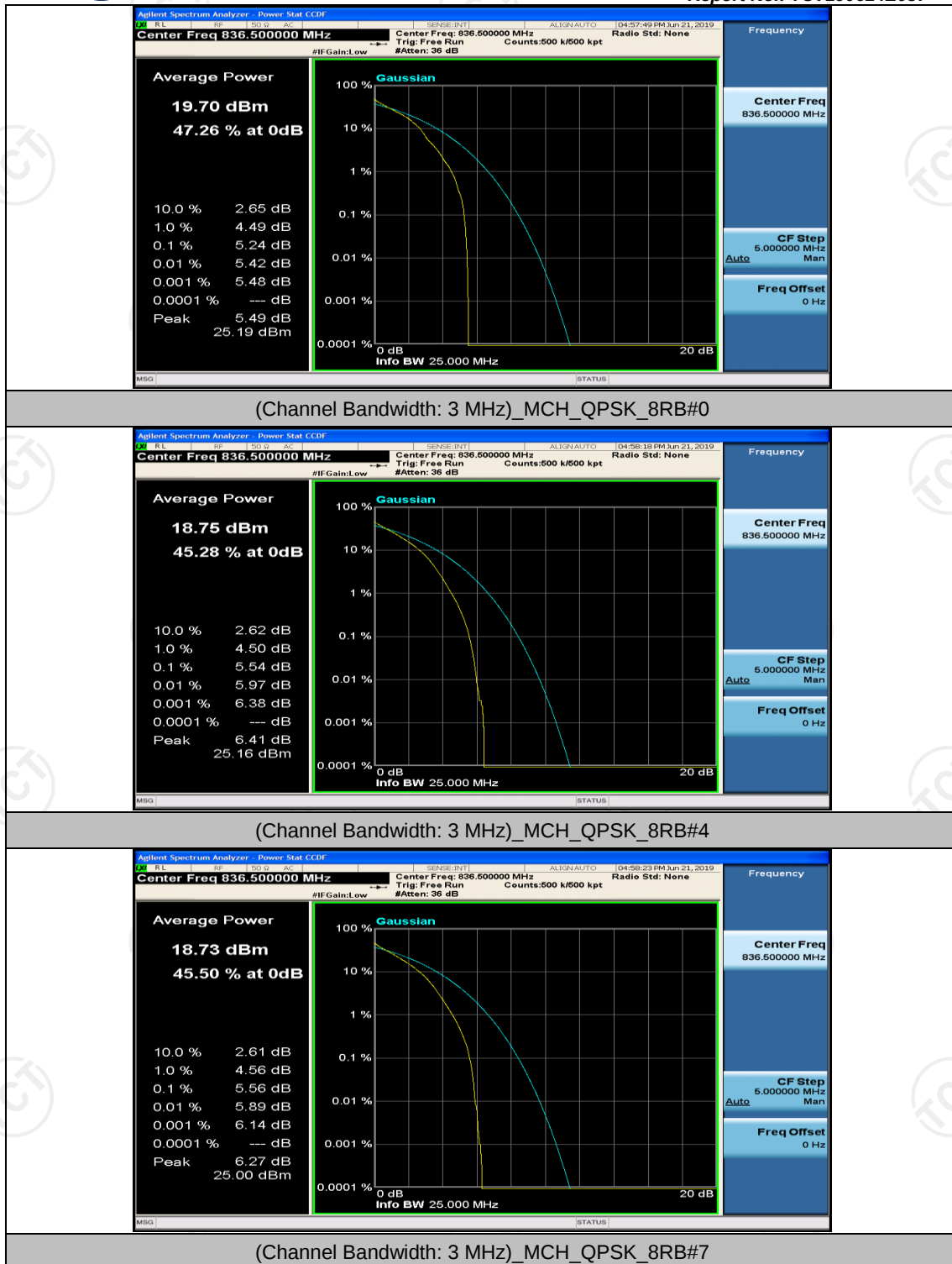
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

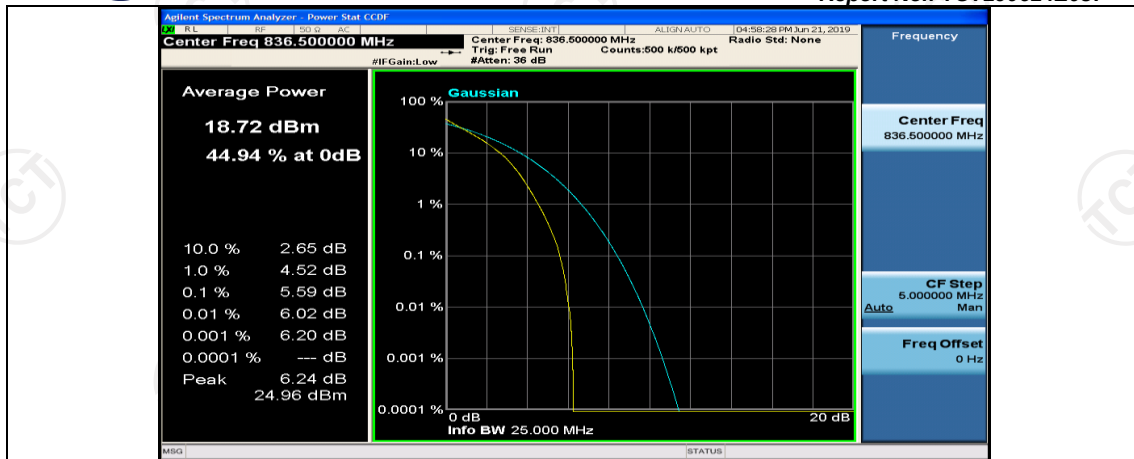


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

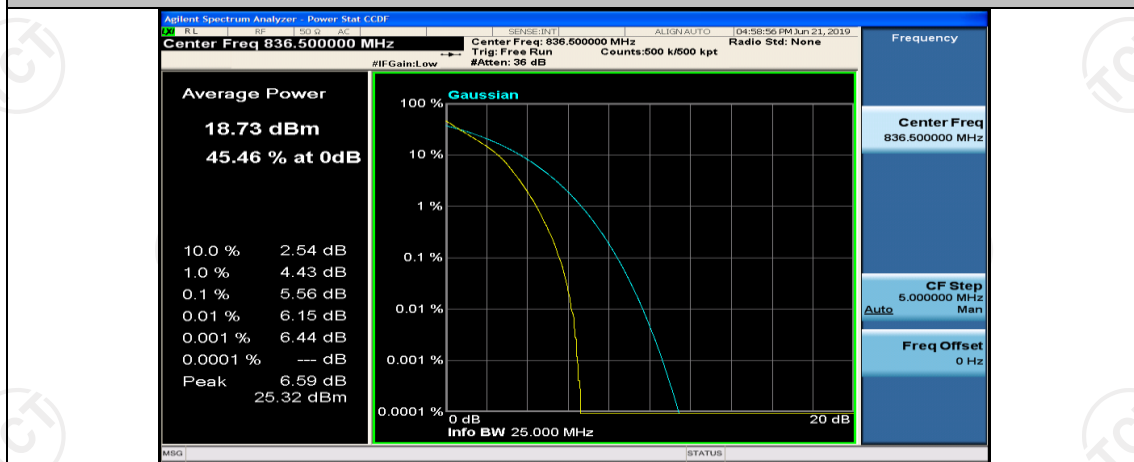


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

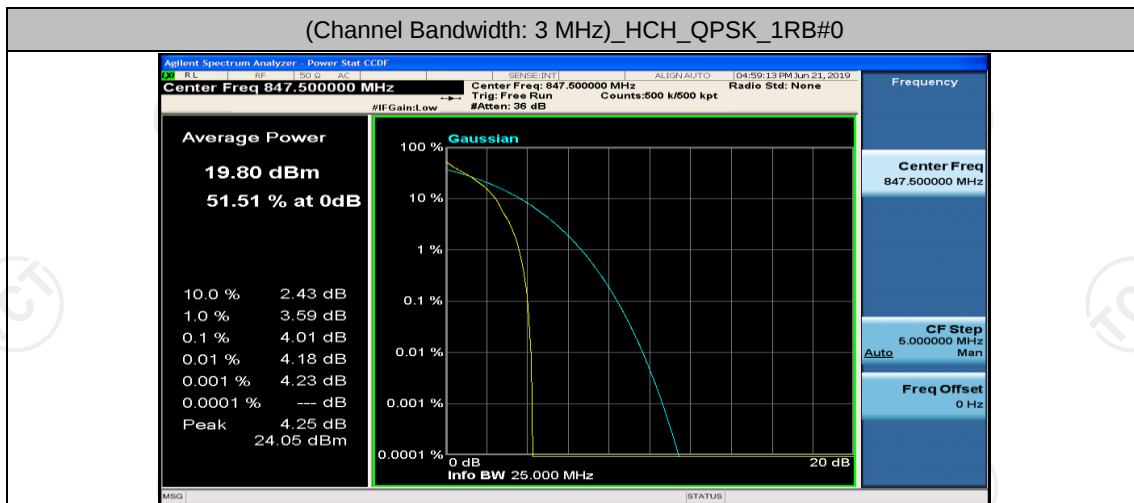




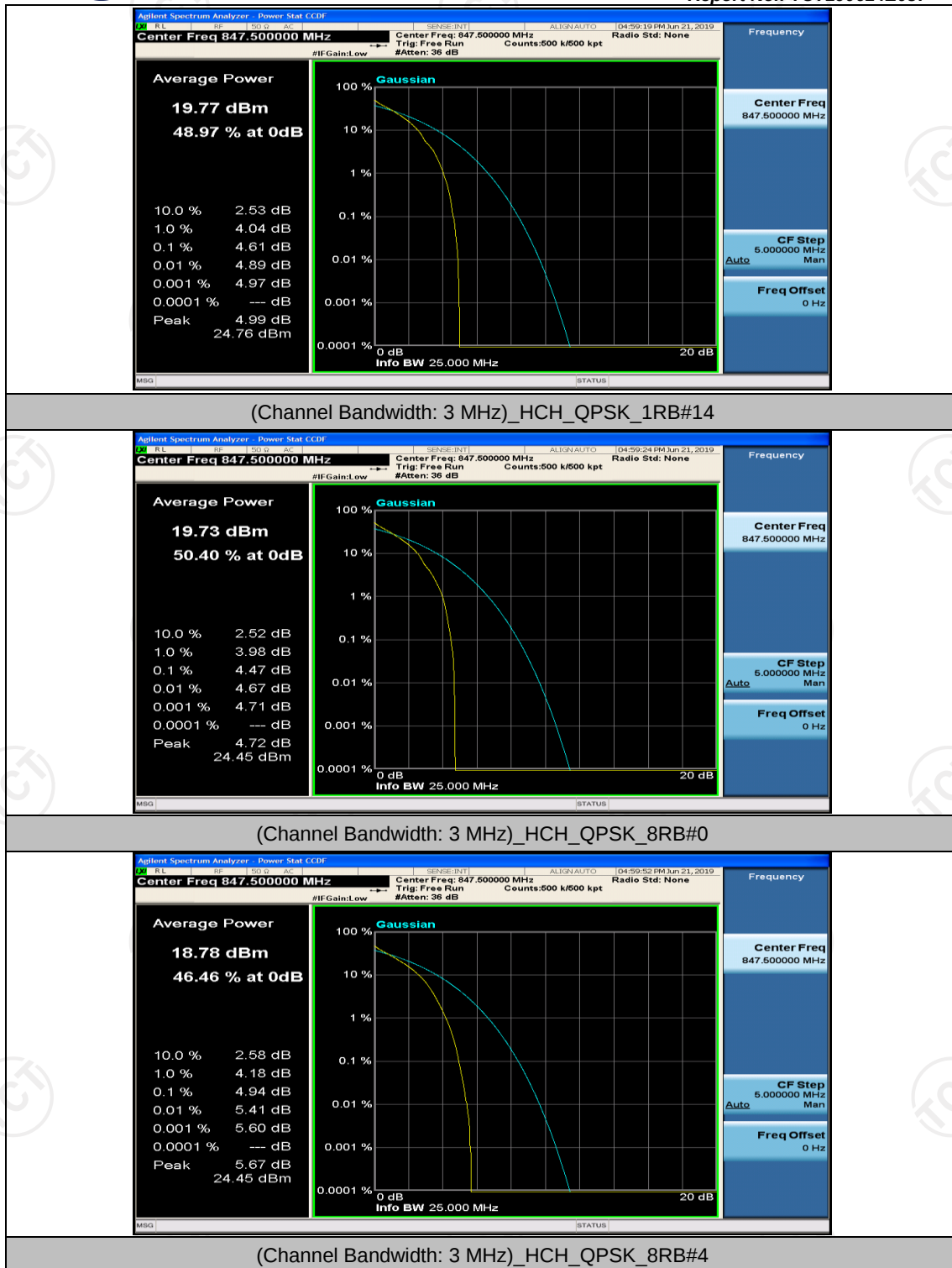
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

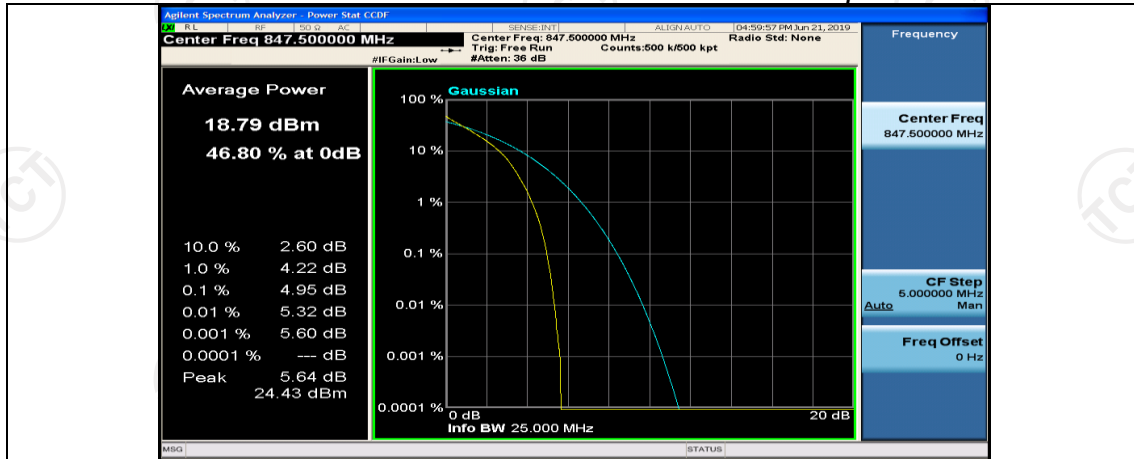


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

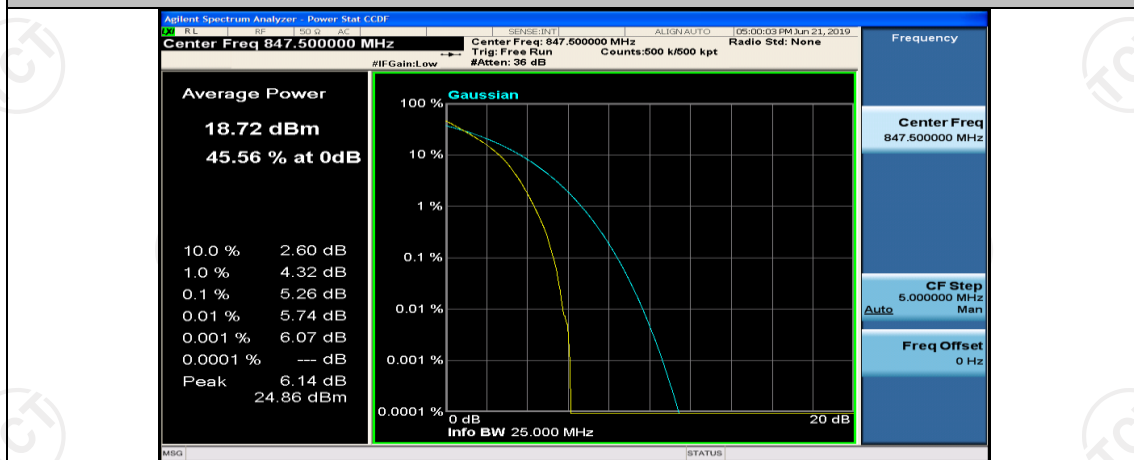


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

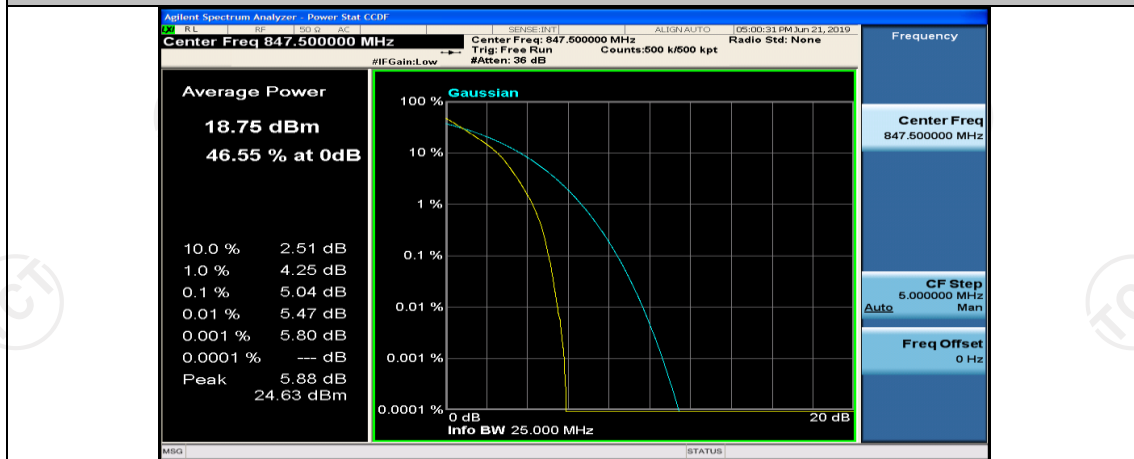




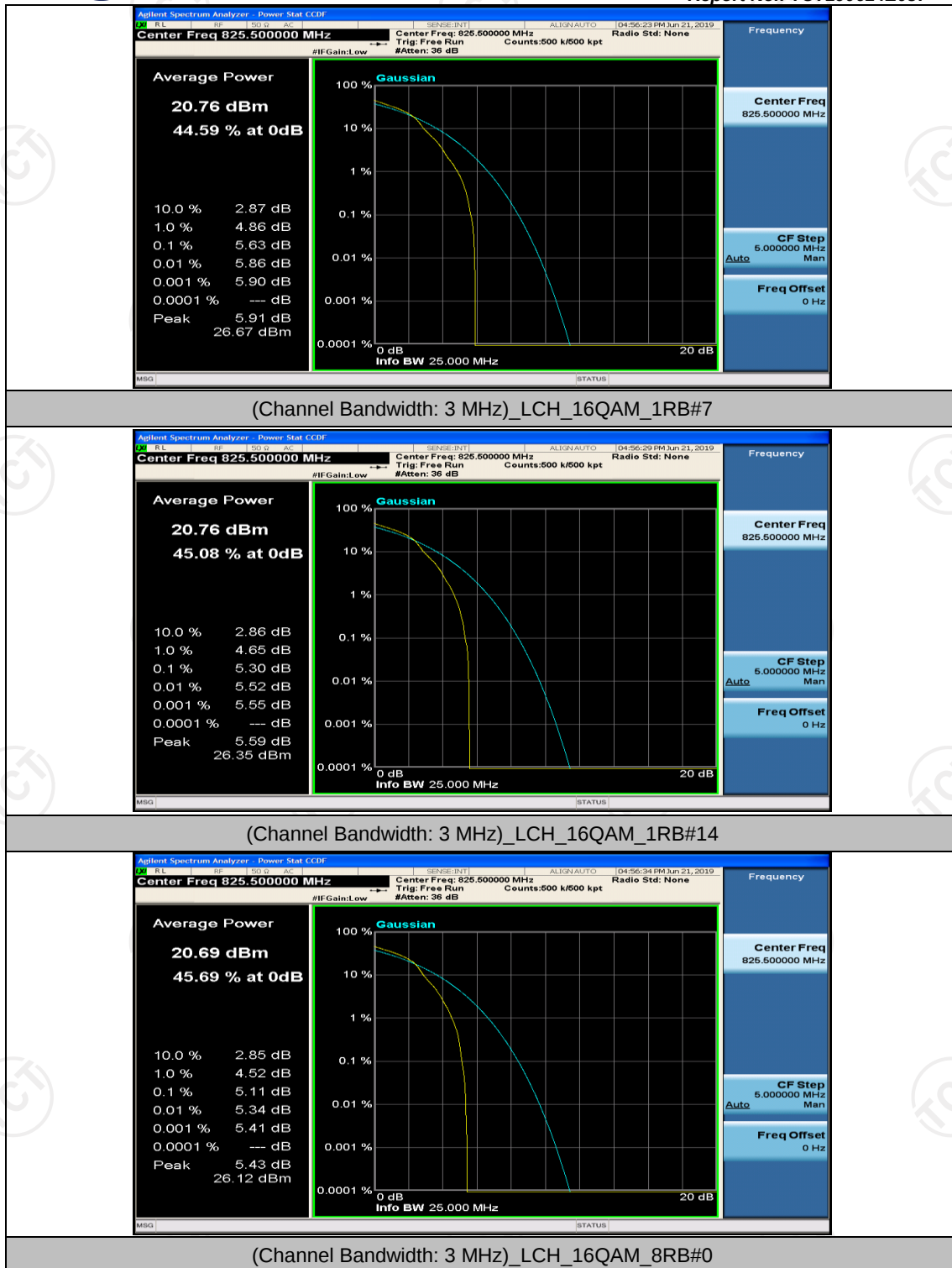
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7

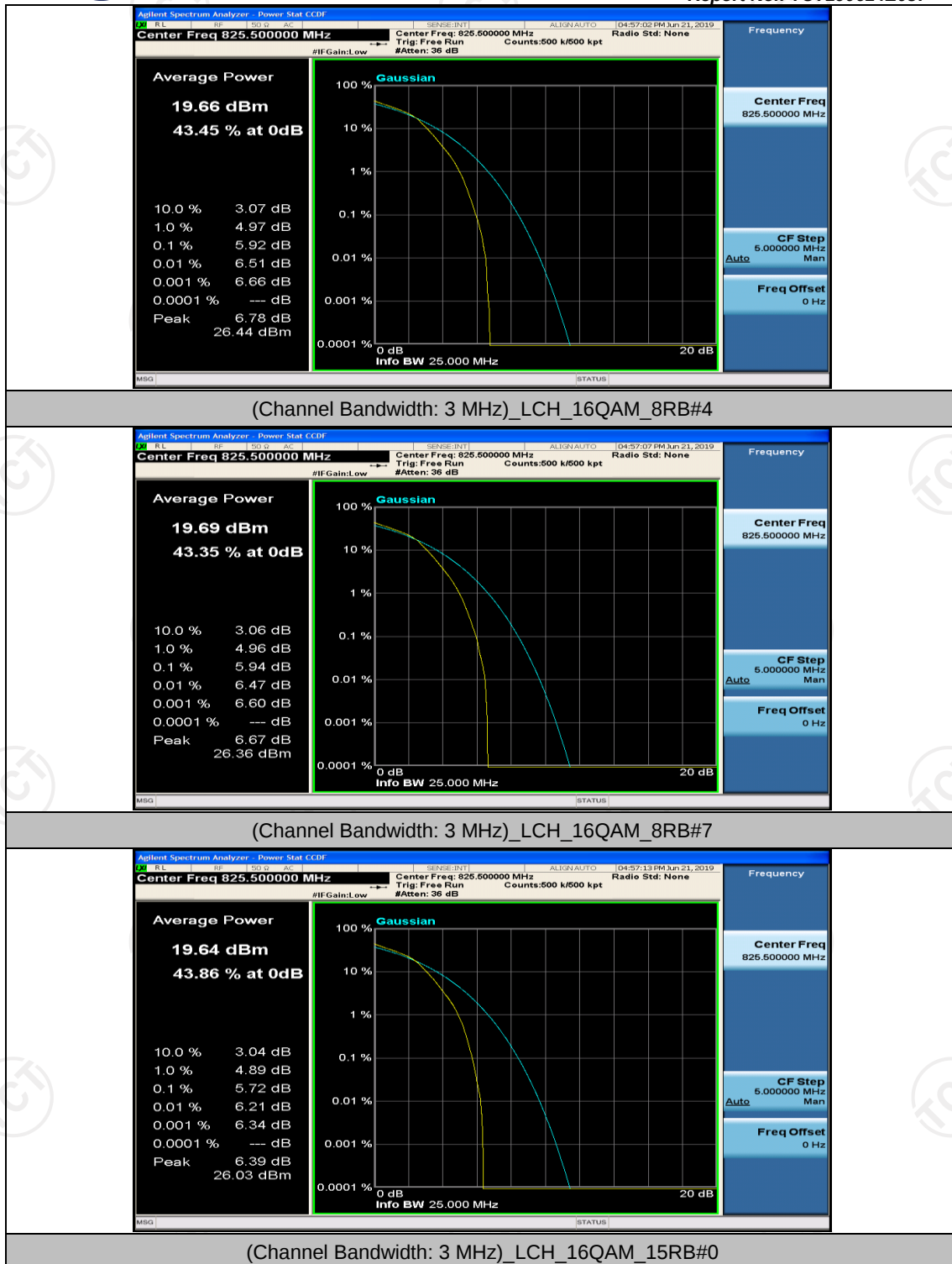


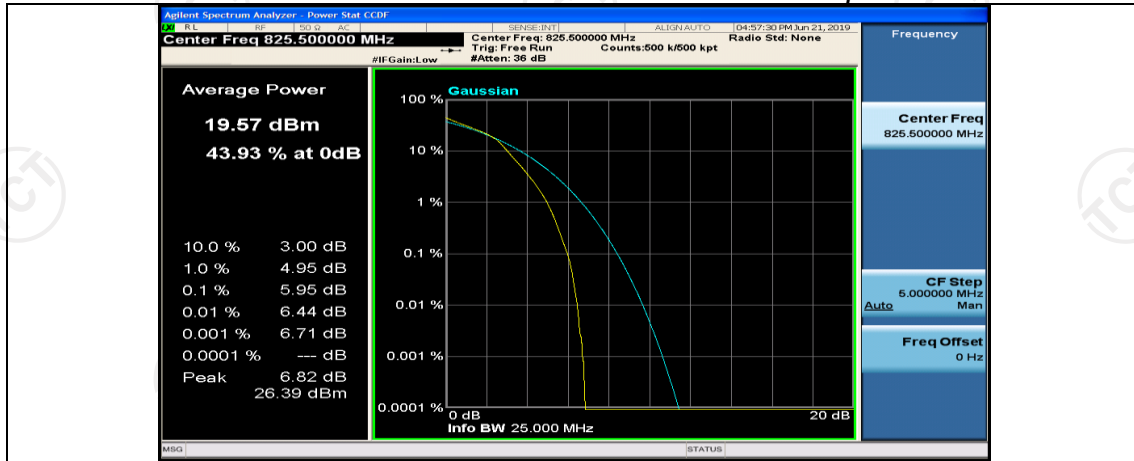
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



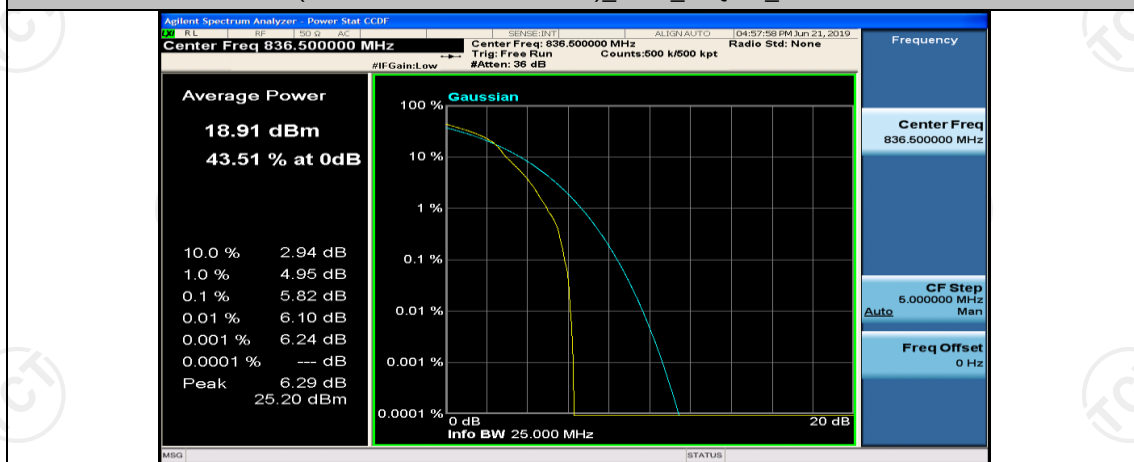
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0







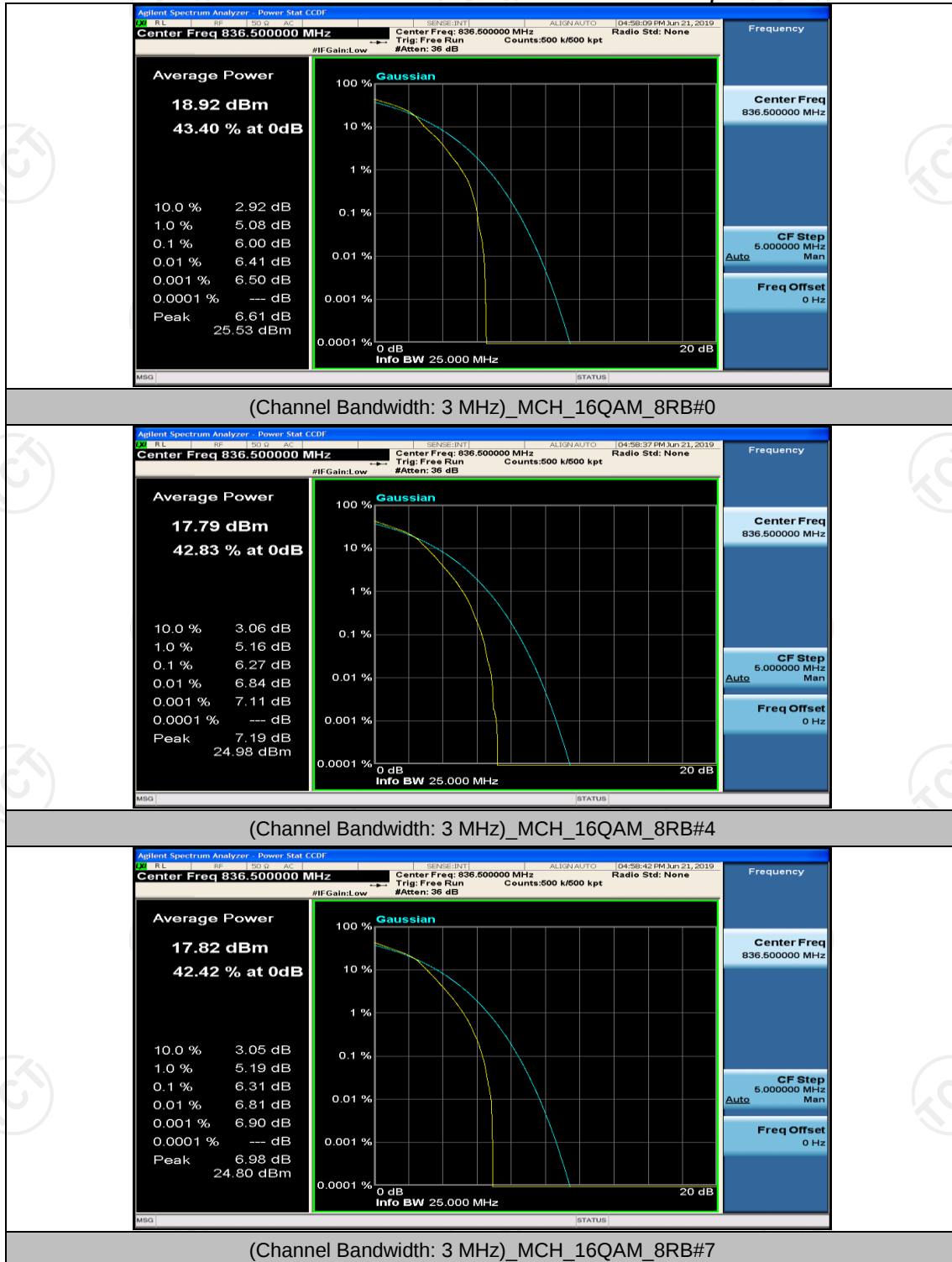
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

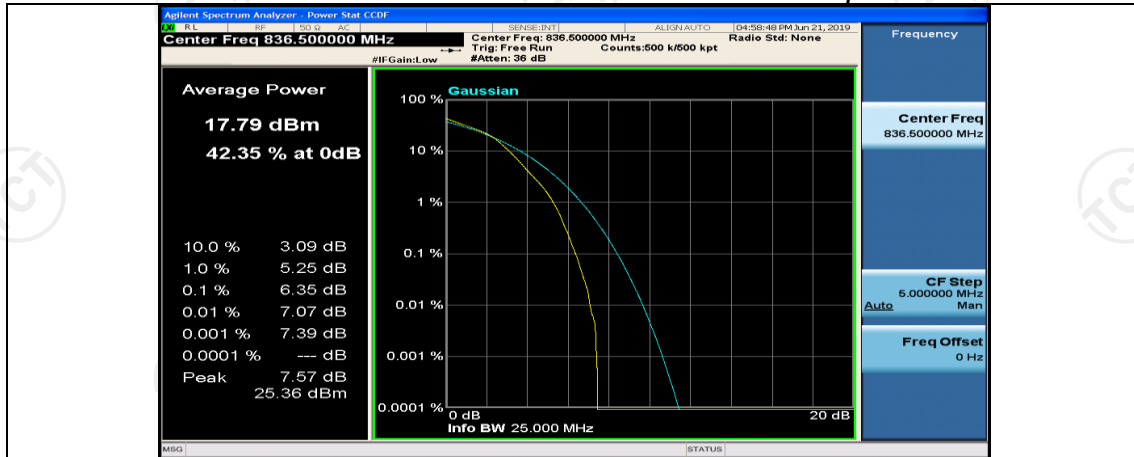


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

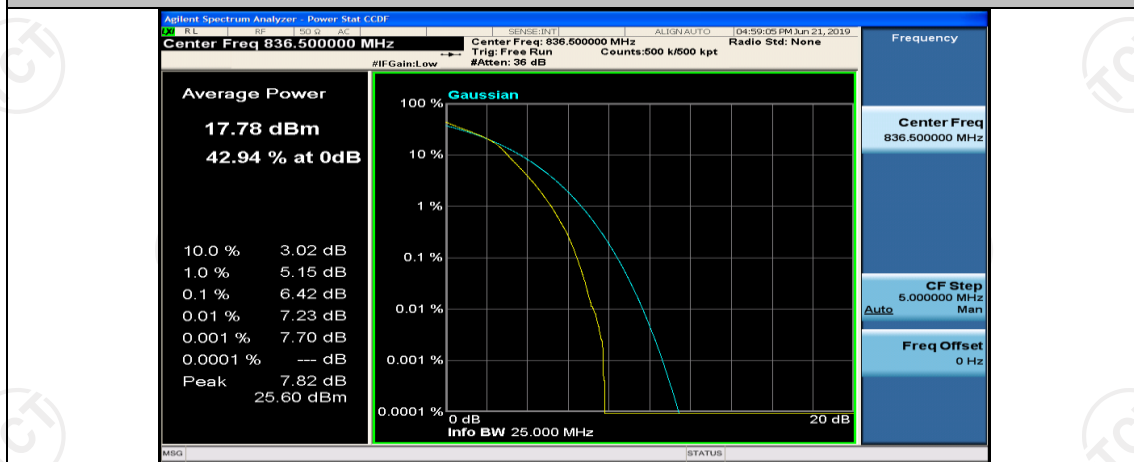


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

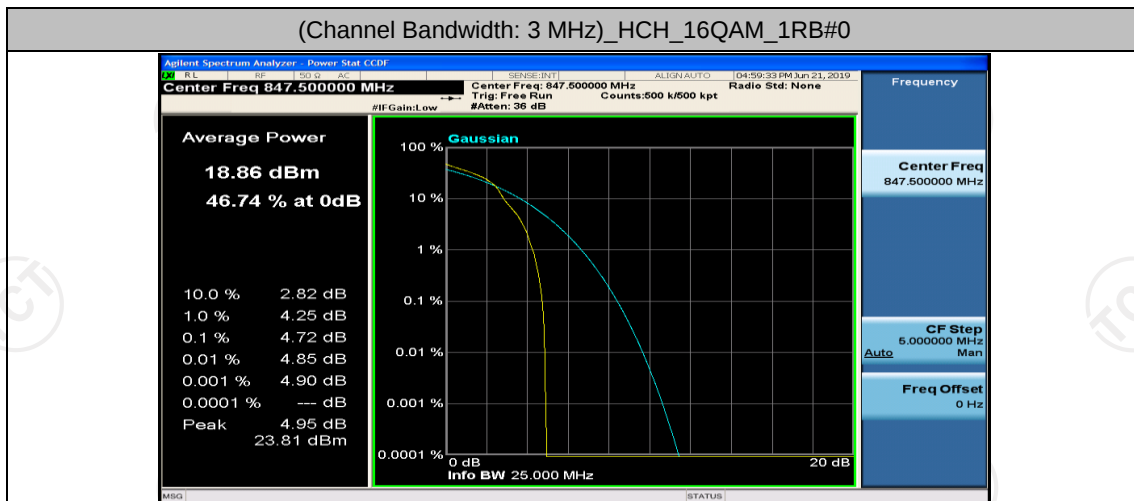




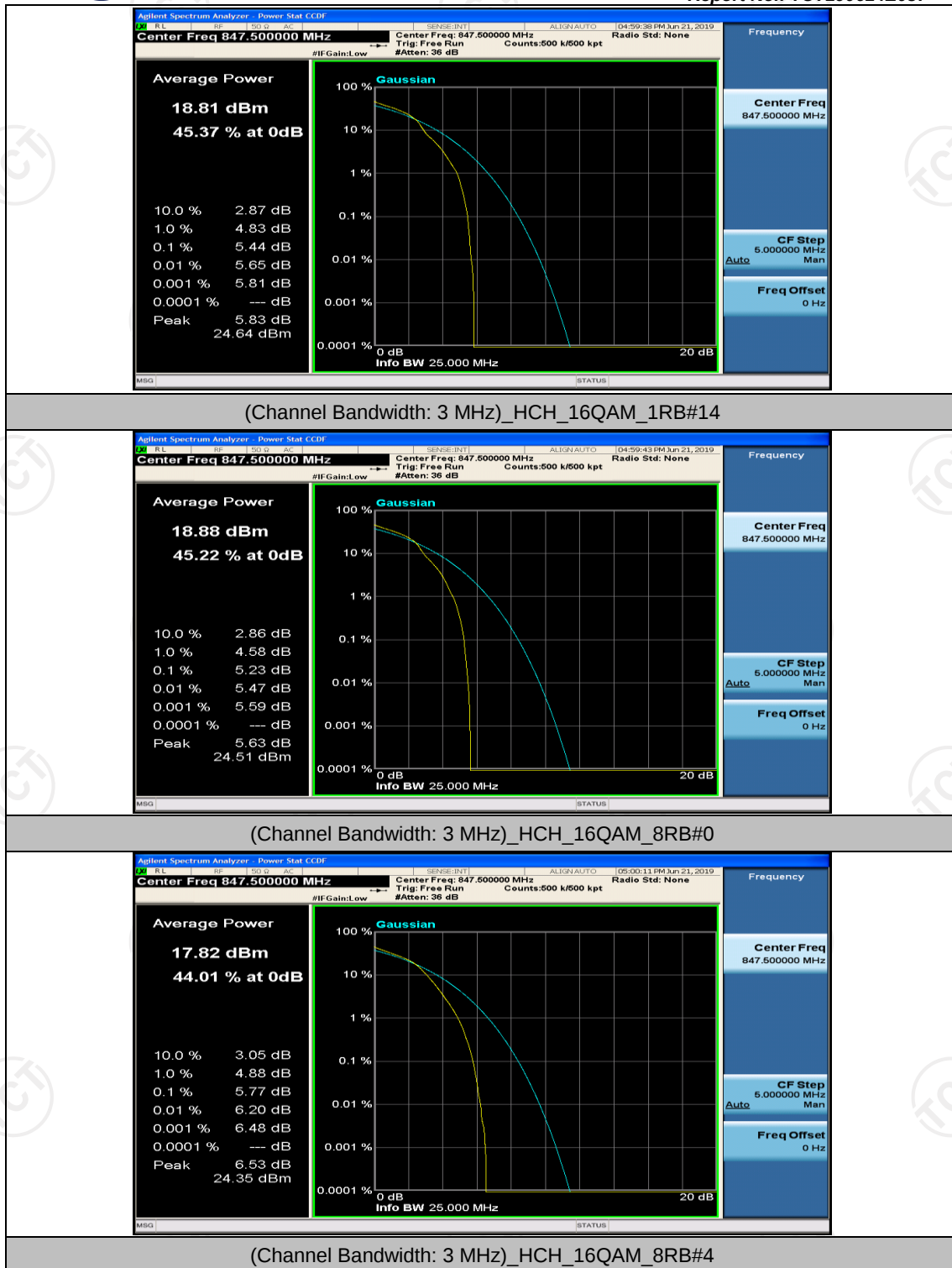
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

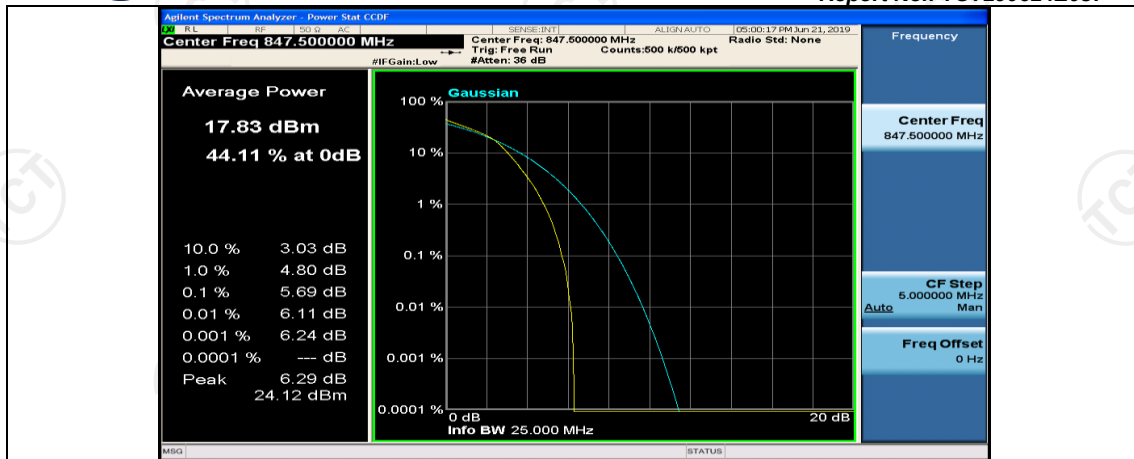


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

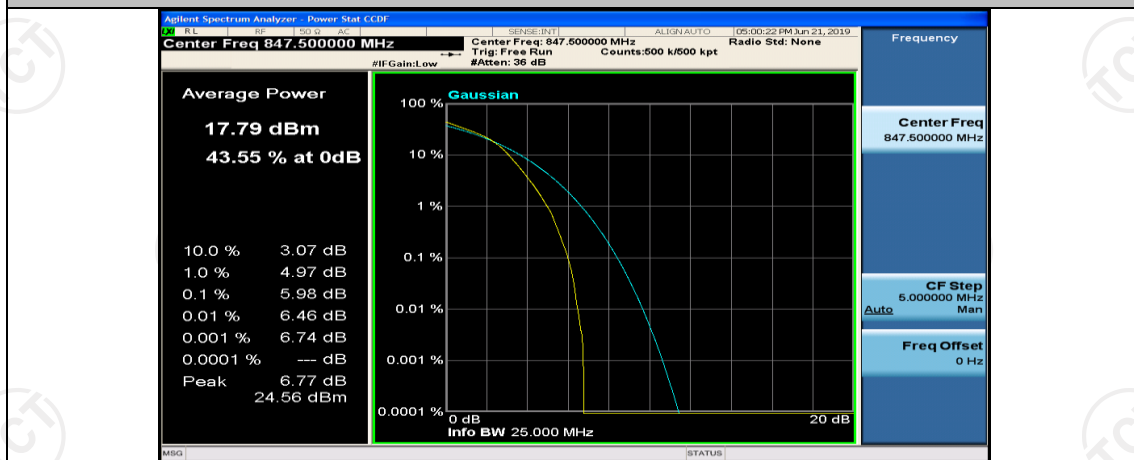


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

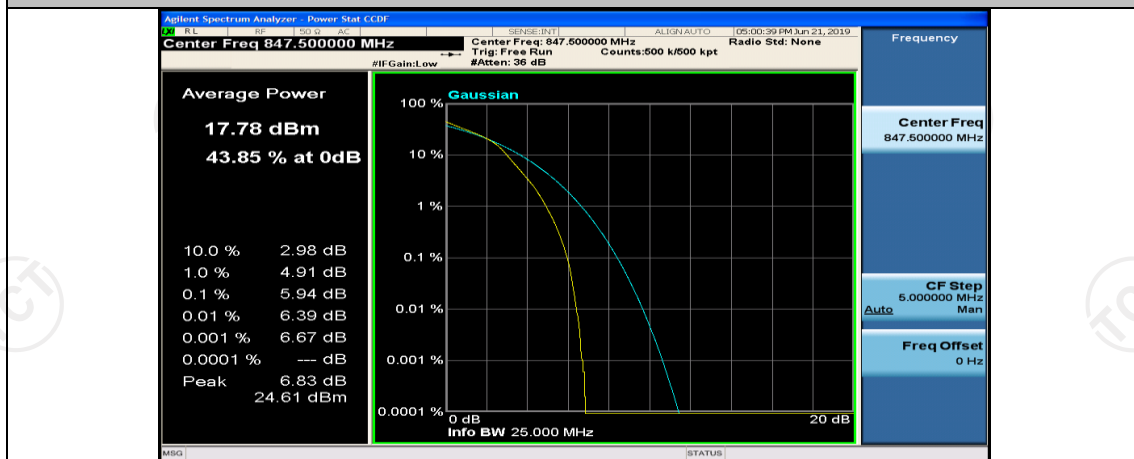




(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

