

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

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	25.31	PASS
		1	12	23.66	25.56	PASS
		1	24	23.53	25.43	PASS
		12	0	22.32	24.22	PASS
		12	6	22.41	24.31	PASS
		12	13	22.60	24.50	PASS
		25	0	22.41	24.31	PASS
	MCH	1	0	23.37	25.27	PASS
		1	12	23.22	25.12	PASS
		1	24	23.30	25.20	PASS
		12	0	22.47	24.37	PASS
		12	6	22.55	24.45	PASS
		12	13	22.52	24.42	PASS
		25	0	22.44	24.34	PASS
	HCH	1	0	23.40	25.30	PASS
		1	12	23.03	24.93	PASS
		1	24	22.55	24.45	PASS
		12	0	22.24	24.14	PASS
		12	6	22.18	24.08	PASS
		12	13	22.06	23.96	PASS
		25	0	22.20	24.10	PASS
16QAM	LCH	1	0	22.61	24.51	PASS
		1	12	22.98	24.88	PASS
		1	24	22.96	24.86	PASS
		12	0	21.57	23.47	PASS
		12	6	21.70	23.60	PASS
		12	13	21.94	23.84	PASS
		25	0	21.70	23.60	PASS
	MCH	1	0	22.79	24.69	PASS
		1	12	22.67	24.57	PASS
		1	24	22.74	24.64	PASS
		12	0	21.82	23.72	PASS
		12	6	21.90	23.80	PASS

		12	13	21.82	23.72	PASS
		25	0	21.73	23.63	PASS
	HCH	1	0	22.81	24.71	PASS
		1	12	22.40	24.30	PASS
		1	24	21.98	23.88	PASS
		12	0	21.49	23.39	PASS
		12	6	21.42	23.32	PASS
		12	13	21.31	23.21	PASS
		25	0	21.42	23.32	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	23.32	25.22	PASS
		1	24	23.26	25.16	PASS
		1	49	23.15	25.05	PASS
		25	0	22.46	24.36	PASS
		25	12	22.64	24.54	PASS
		25	25	22.40	24.30	PASS
		50	0	22.52	24.42	PASS
	MCH	1	0	23.39	25.29	PASS
		1	24	23.24	25.14	PASS
		1	49	22.99	24.89	PASS
		25	0	22.42	24.32	PASS
		25	12	22.39	24.29	PASS
		25	25	22.21	24.11	PASS
		50	0	22.35	24.25	PASS
	HCH	1	0	23.70	25.60	PASS
		1	24	23.06	24.96	PASS
		1	49	22.62	24.52	PASS
		25	0	22.69	24.59	PASS
		25	12	22.55	24.45	PASS
		25	25	22.26	24.16	PASS
		50	0	22.35	24.25	PASS
16QAM	LCH	1	0	22.80	24.70	PASS
		1	24	22.79	24.69	PASS
		1	49	22.61	24.51	PASS
		25	0	21.77	23.67	PASS
		25	12	21.96	23.86	PASS

		25	25	21.62	23.52	PASS
		50	0	21.83	23.73	PASS
	MCH	1	0	22.88	24.78	PASS
		1	24	22.76	24.66	PASS
		1	49	22.46	24.36	PASS
		25	0	21.74	23.64	PASS
		25	12	21.68	23.58	PASS
		25	25	21.42	23.32	PASS
		50	0	21.65	23.55	PASS
	HCH	1	0	23.09	24.99	PASS
		1	24	22.55	24.45	PASS
		1	49	22.09	23.99	PASS
		25	0	22.01	23.91	PASS
		25	12	21.80	23.70	PASS
		25	25	21.46	23.36	PASS
		50	0	21.64	23.54	PASS

Appendix B: Peak-to-Average Ratio

Test Result

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	3.66	<13	PASS
		1	12	3.71	<13	PASS
		1	24	3.70	<13	PASS
		12	0	4.58	<13	PASS
		12	6	4.56	<13	PASS
		12	13	4.67	<13	PASS
		25	0	5.08	<13	PASS
	MCH	1	0	3.66	<13	PASS
		1	12	3.64	<13	PASS
		1	24	3.45	<13	PASS
		12	0	4.67	<13	PASS
		12	6	4.57	<13	PASS
		12	13	4.59	<13	PASS
		25	0	5.06	<13	PASS
	HCH	1	0	3.50	<13	PASS
		1	12	3.49	<13	PASS
		1	24	3.69	<13	PASS
		12	0	4.52	<13	PASS
		12	6	4.39	<13	PASS
		12	13	4.46	<13	PASS
		25	0	4.75	<13	PASS
16QAM	LCH	1	0	4.44	<13	PASS
		1	12	4.45	<13	PASS
		1	24	4.27	<13	PASS
		12	0	5.34	<13	PASS
		12	6	5.30	<13	PASS
		12	13	5.41	<13	PASS
		25	0	5.73	<13	PASS
	MCH	1	0	4.39	<13	PASS
		1	12	4.31	<13	PASS
		1	24	4.19	<13	PASS
		12	0	5.40	<13	PASS

		12	6	5.30	<13	PASS
		12	13	5.34	<13	PASS
		25	0	5.72	<13	PASS
	HCH	1	0	4.18	<13	PASS
		1	12	4.21	<13	PASS
		1	24	4.46	<13	PASS
		12	0	5.27	<13	PASS
		12	6	5.19	<13	PASS
		12	13	5.26	<13	PASS
		25	0	5.51	<13	PASS

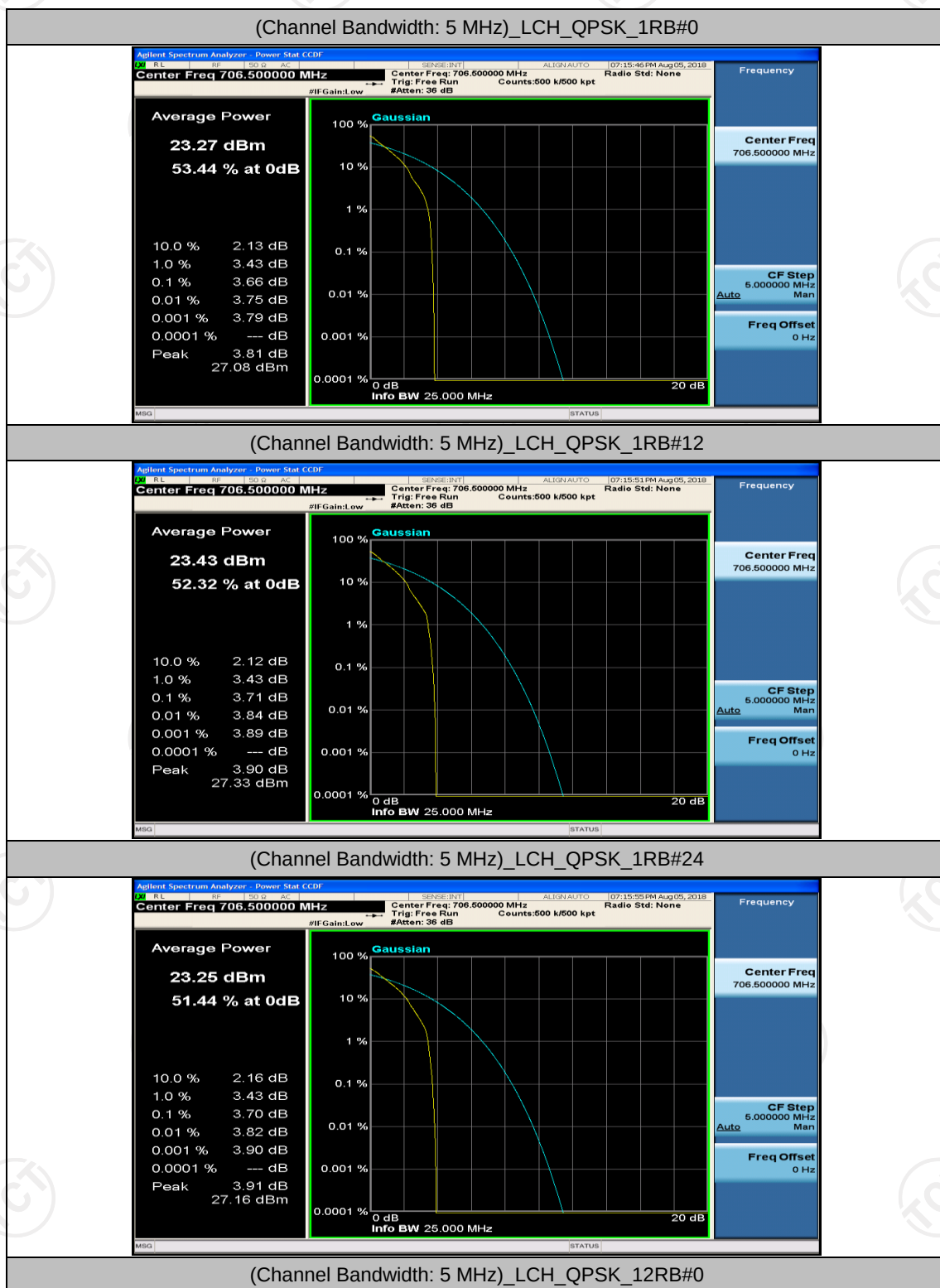
Channel Bandwidth: 10 MHz

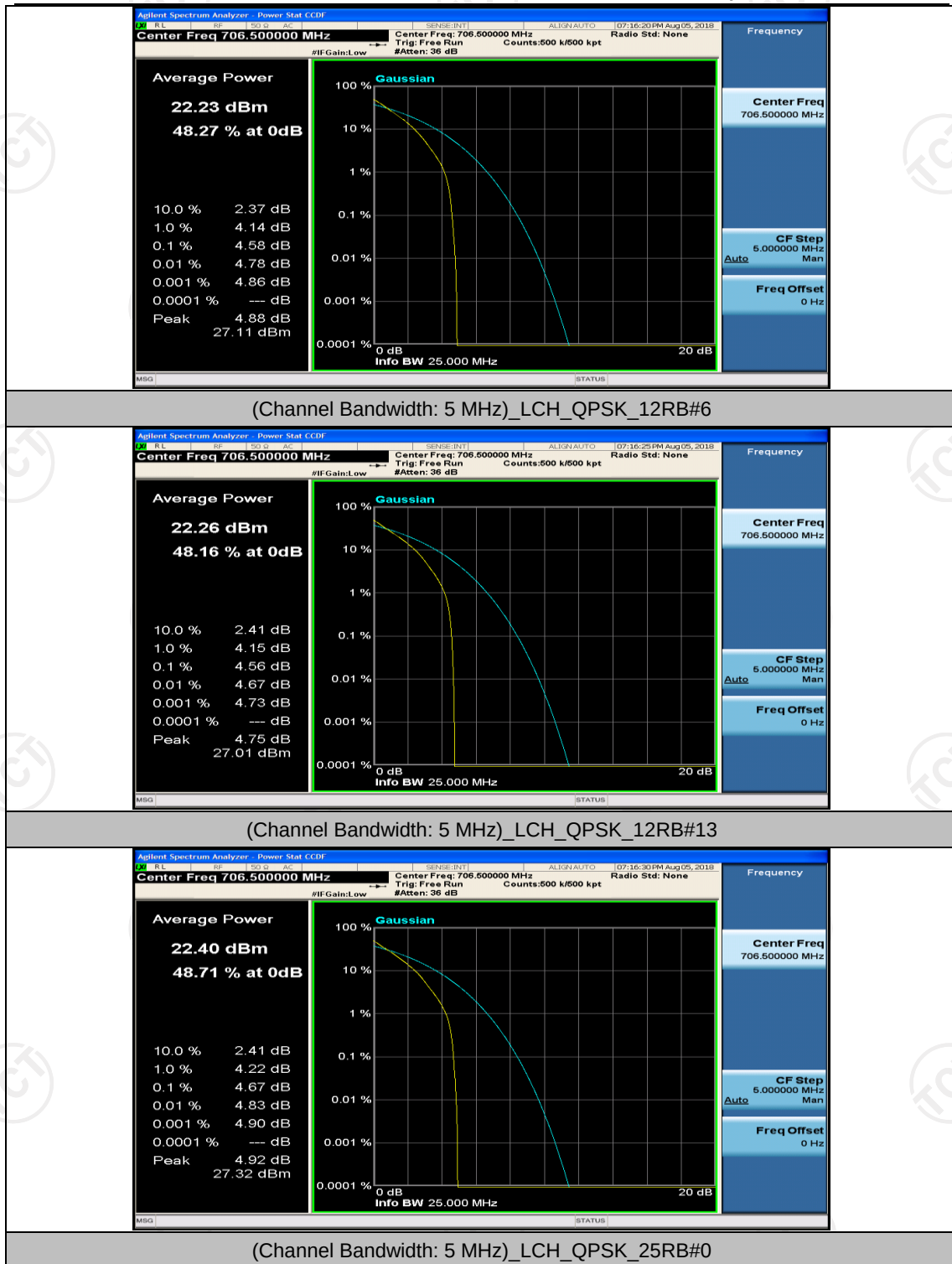
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.71	<13	PASS
		1	24	3.73	<13	PASS
		1	49	3.51	<13	PASS
		25	0	4.77	<13	PASS
		25	12	4.71	<13	PASS
		25	25	4.70	<13	PASS
		50	0	5.18	<13	PASS
	MCH	1	0	3.79	<13	PASS
		1	24	3.68	<13	PASS
		1	49	3.59	<13	PASS
		25	0	4.81	<13	PASS
		25	12	4.74	<13	PASS
		25	25	4.62	<13	PASS
		50	0	5.23	<13	PASS
	HCH	1	0	3.79	<13	PASS
		1	24	3.65	<13	PASS
		1	49	3.72	<13	PASS
		25	0	4.81	<13	PASS
		25	12	4.63	<13	PASS
		25	25	4.51	<13	PASS
		50	0	5.15	<13	PASS
16QAM	LCH	1	0	4.41	<13	PASS
		1	24	4.37	<13	PASS
		1	49	4.14	<13	PASS
		25	0	5.50	<13	PASS

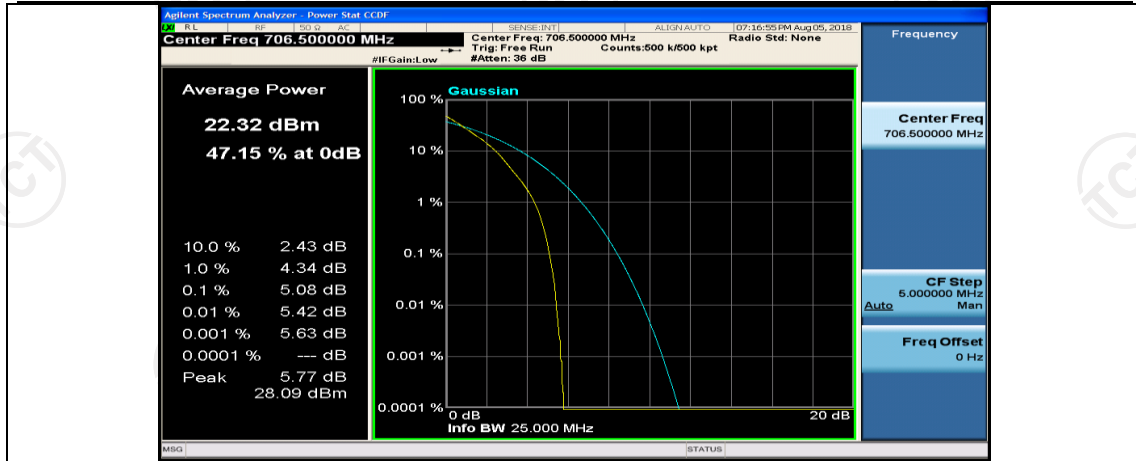
		25	12	5.43	<13	PASS
		25	25	5.48	<13	PASS
		50	0	5.77	<13	PASS
	MCH	1	0	4.45	<13	PASS
		1	24	4.21	<13	PASS
		1	49	4.20	<13	PASS
		25	0	5.56	<13	PASS
		25	12	5.46	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.81	<13	PASS
	HCH	1	0	4.35	<13	PASS
		1	24	4.32	<13	PASS
		1	49	4.37	<13	PASS
		25	0	5.52	<13	PASS
		25	12	5.39	<13	PASS
		25	25	5.36	<13	PASS
		50	0	5.78	<13	PASS

Test Graphs

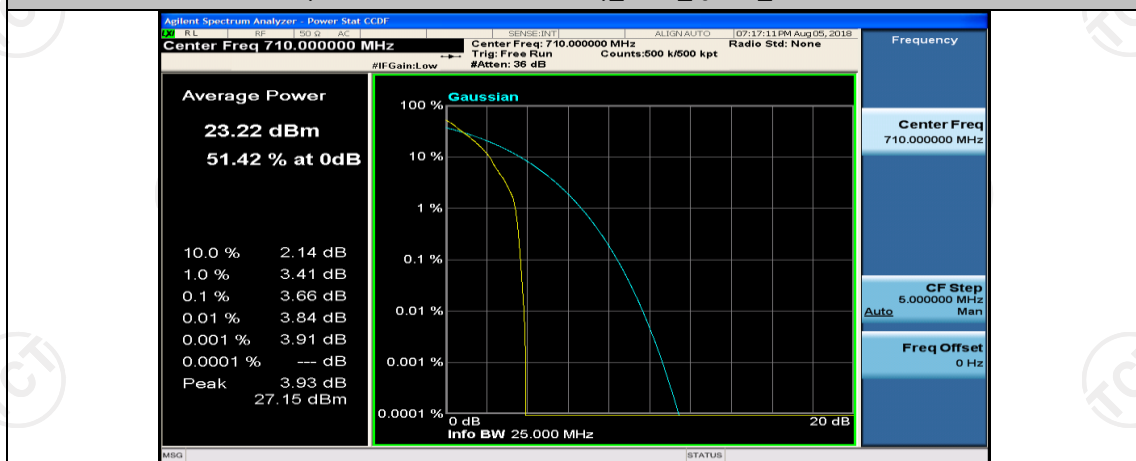
Channel Bandwidth: 5 MHz



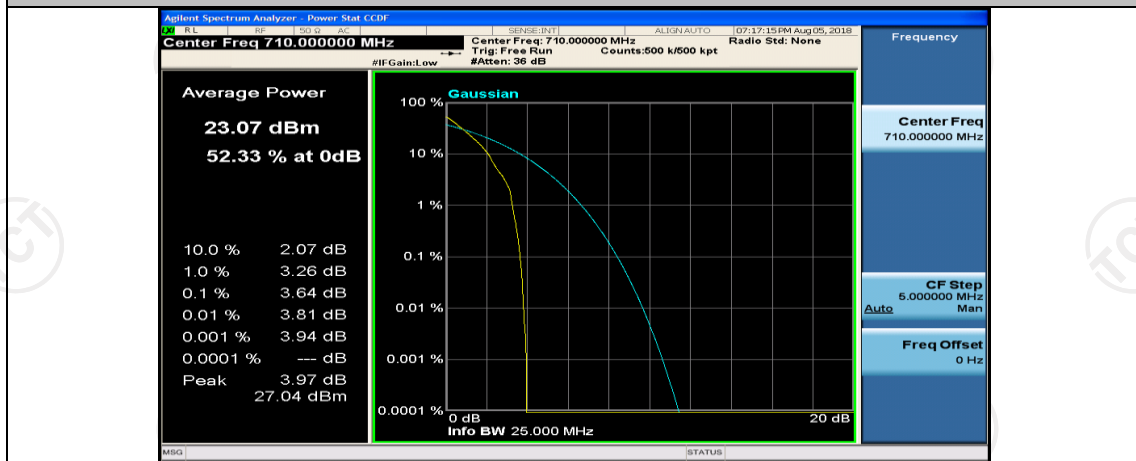




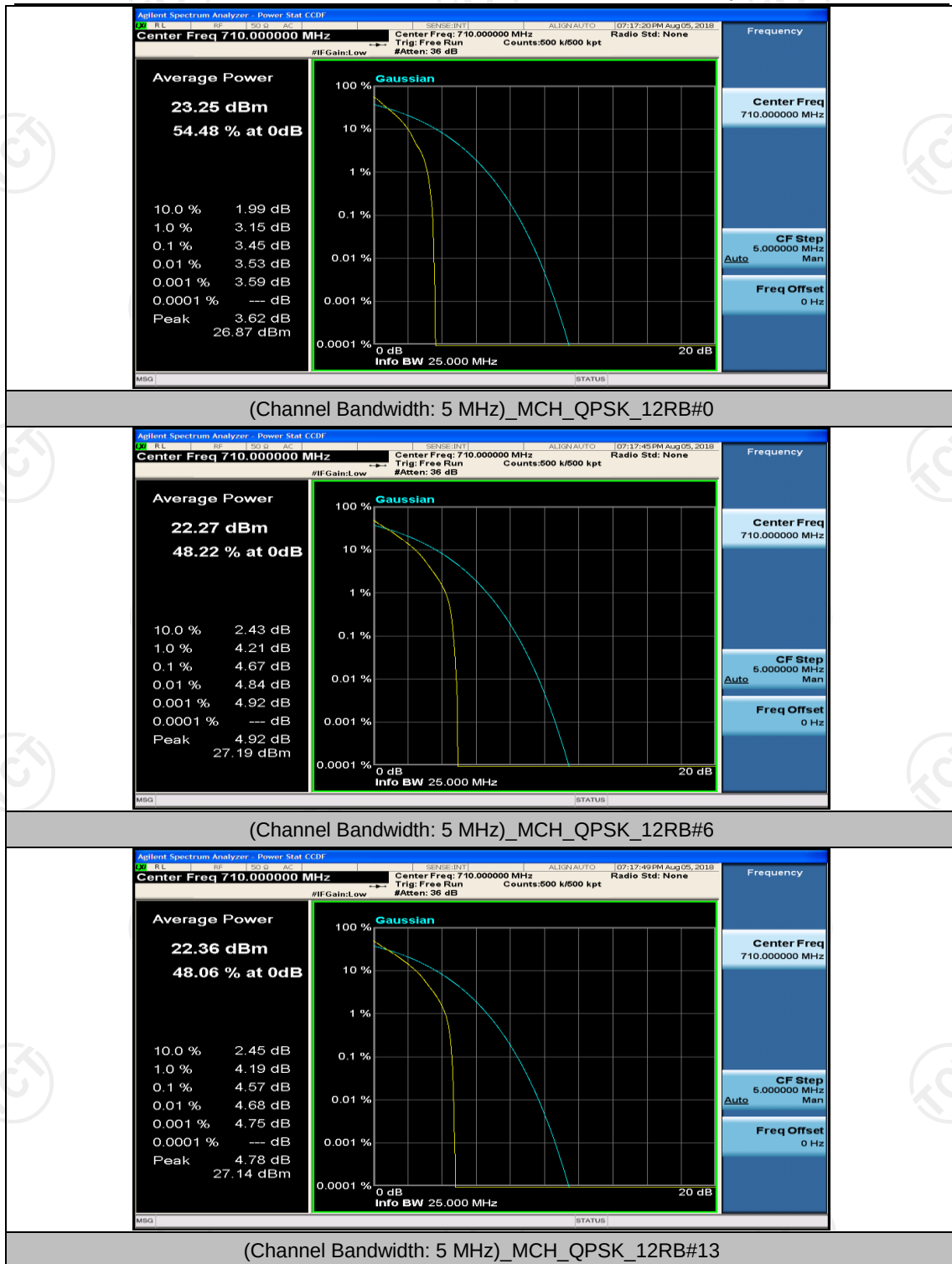
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

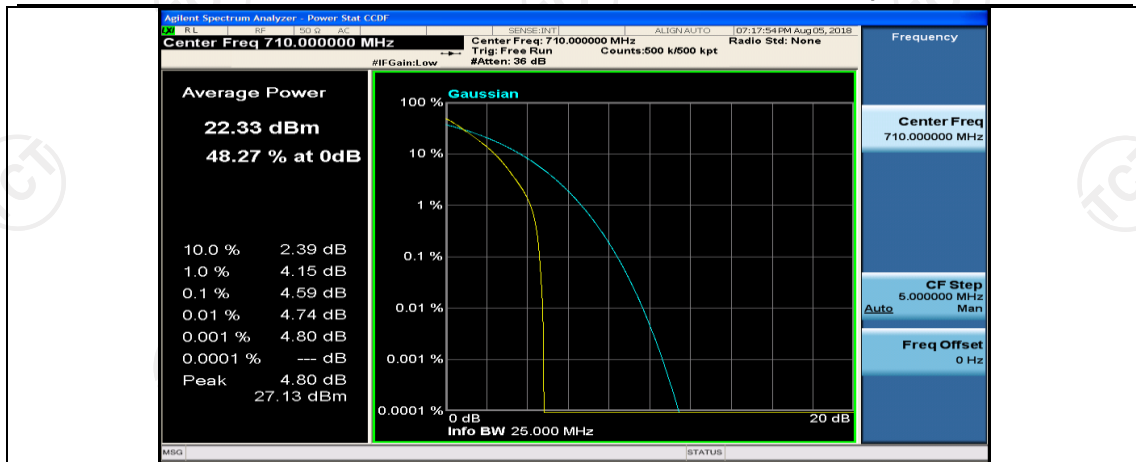


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

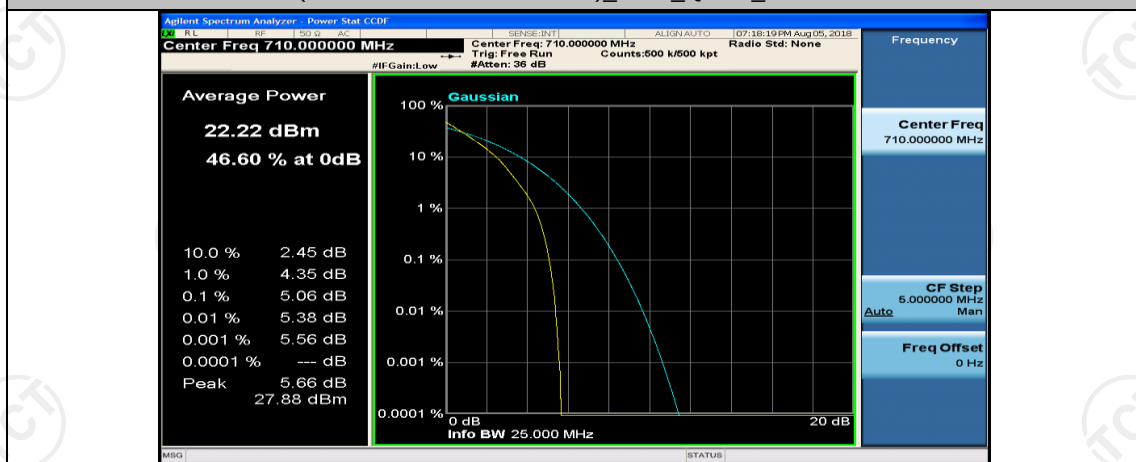


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

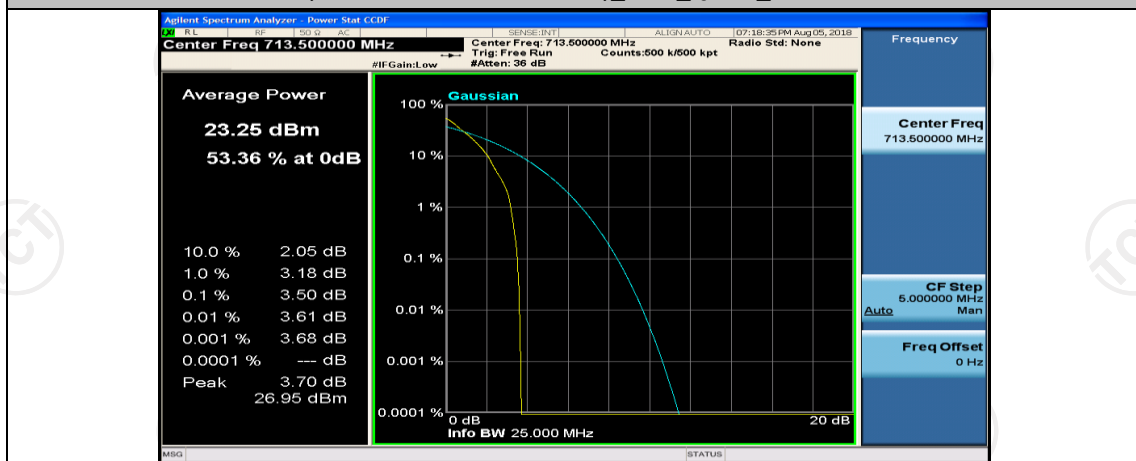




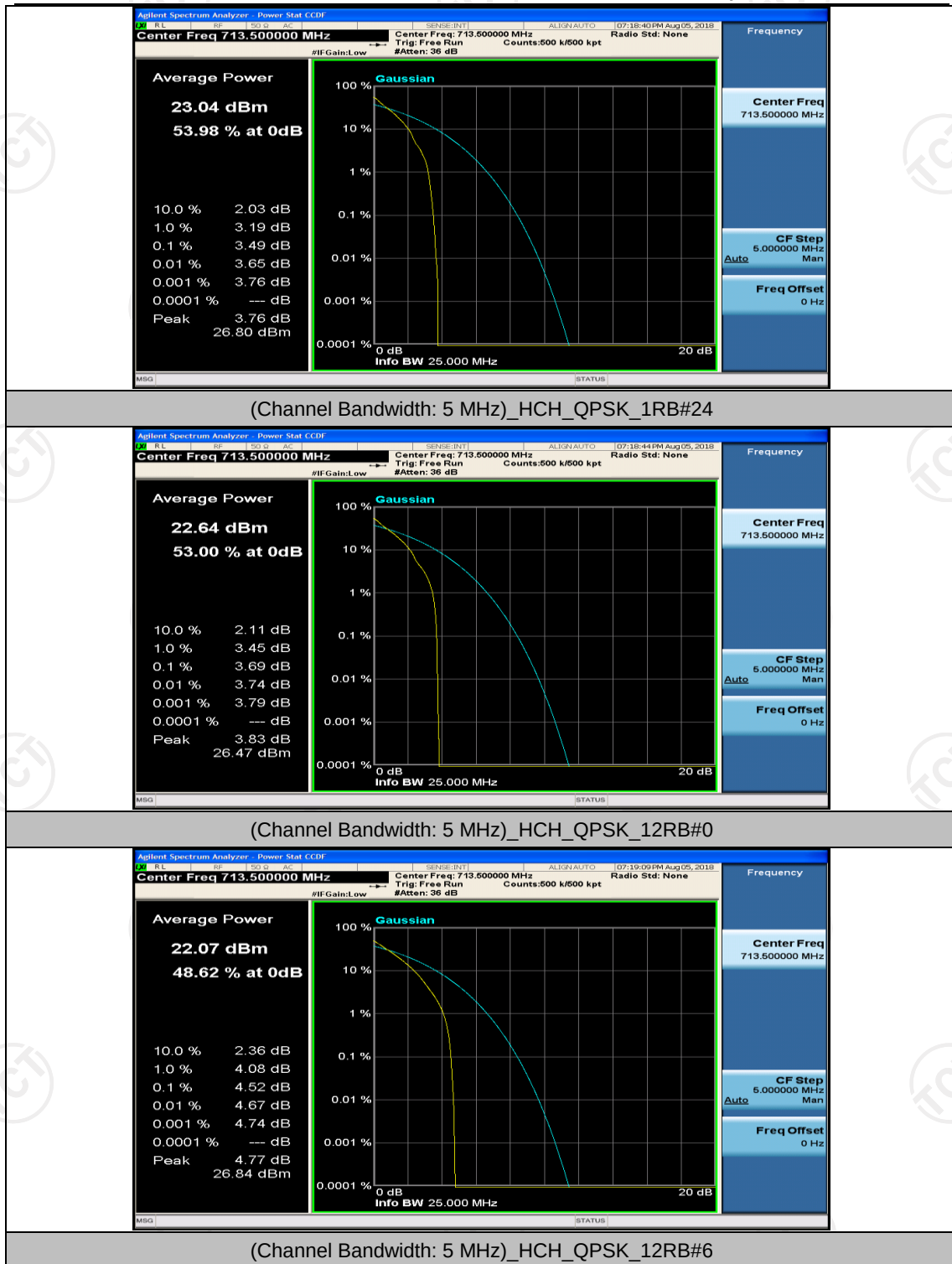
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

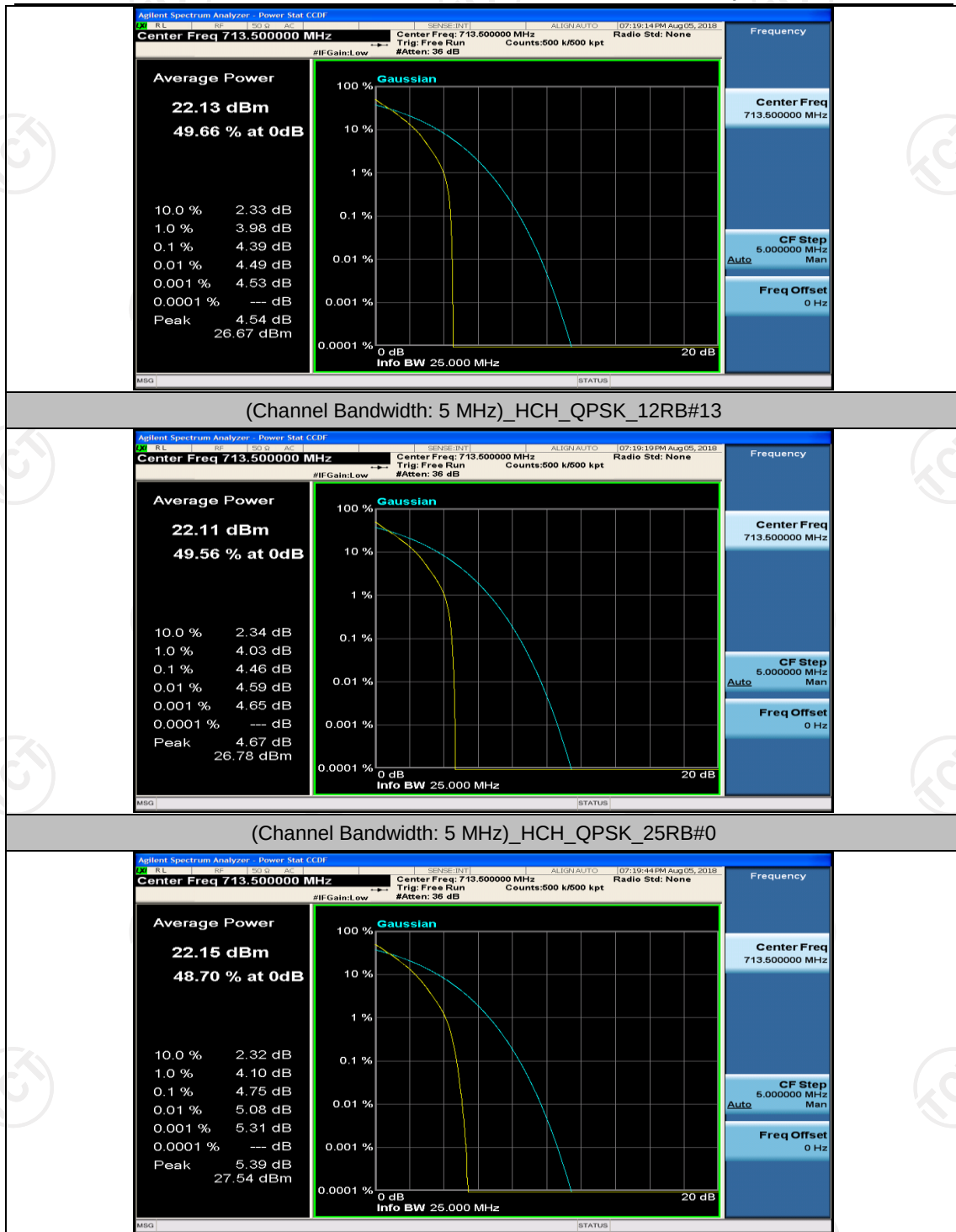


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

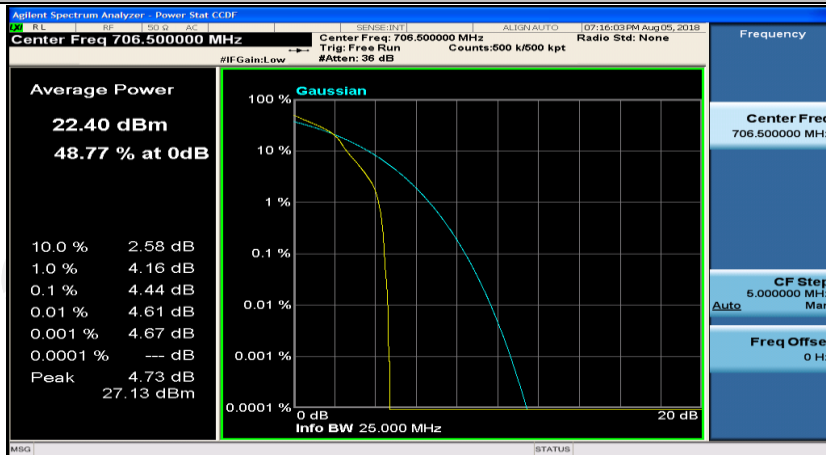


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

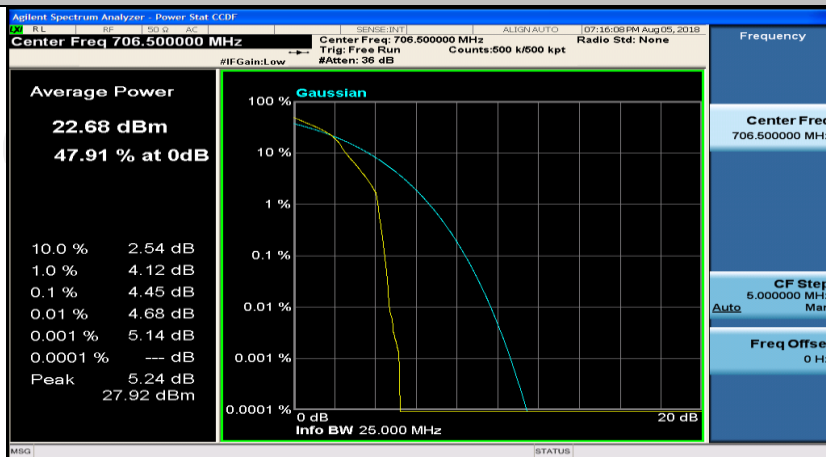




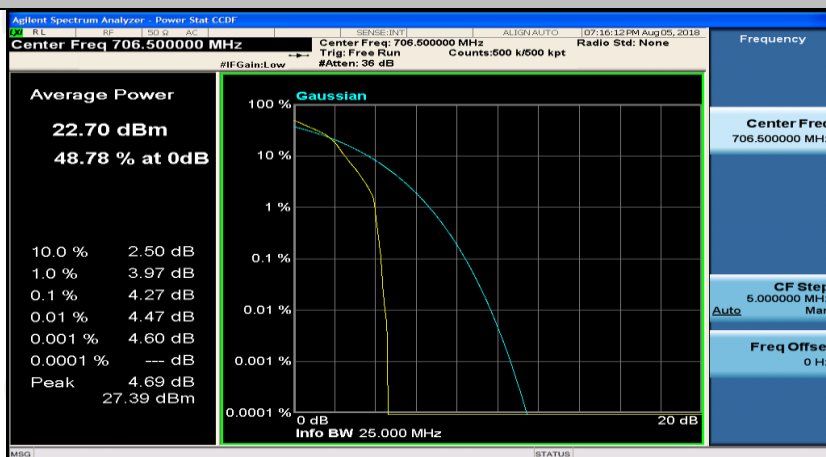
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



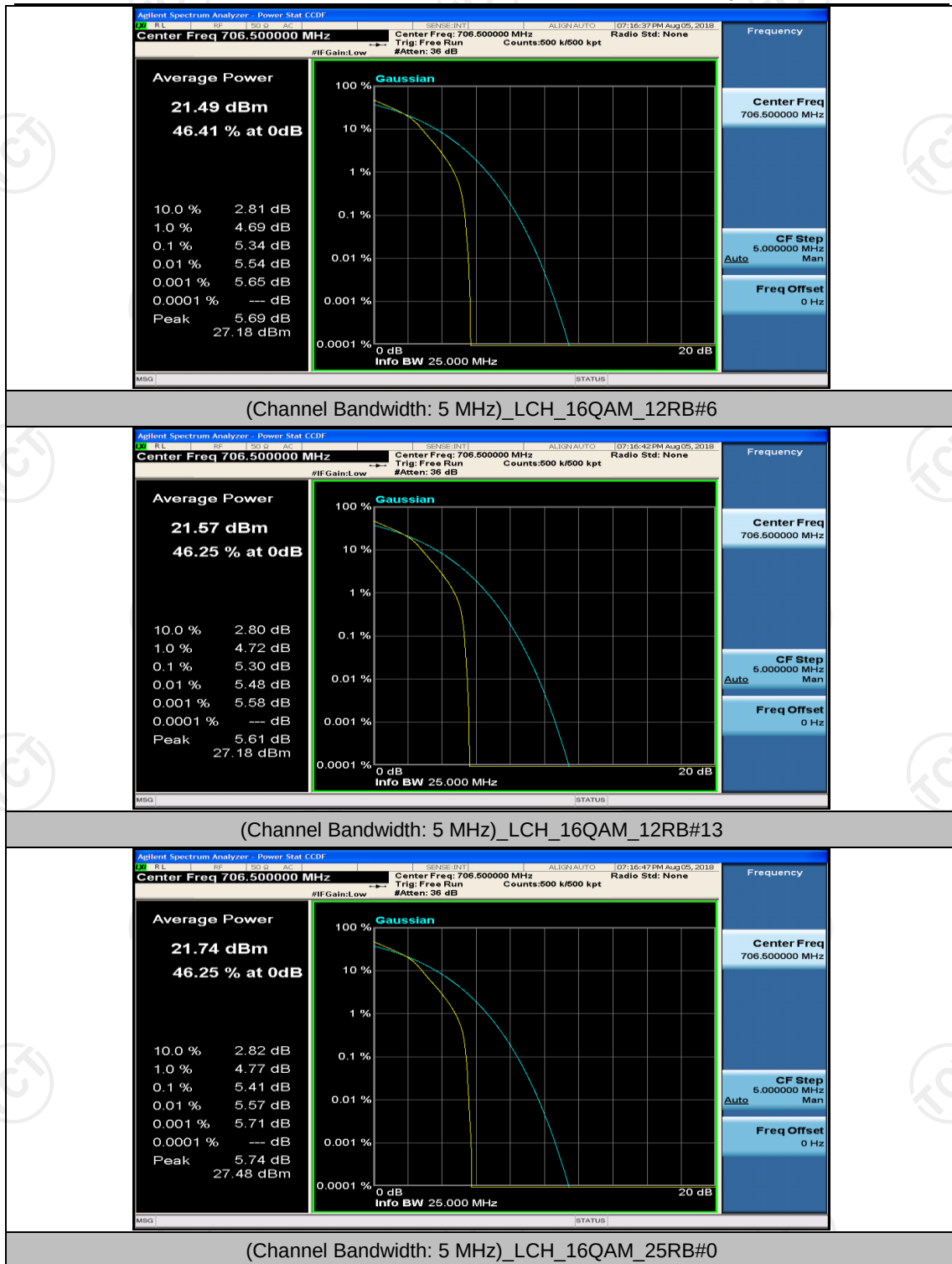
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

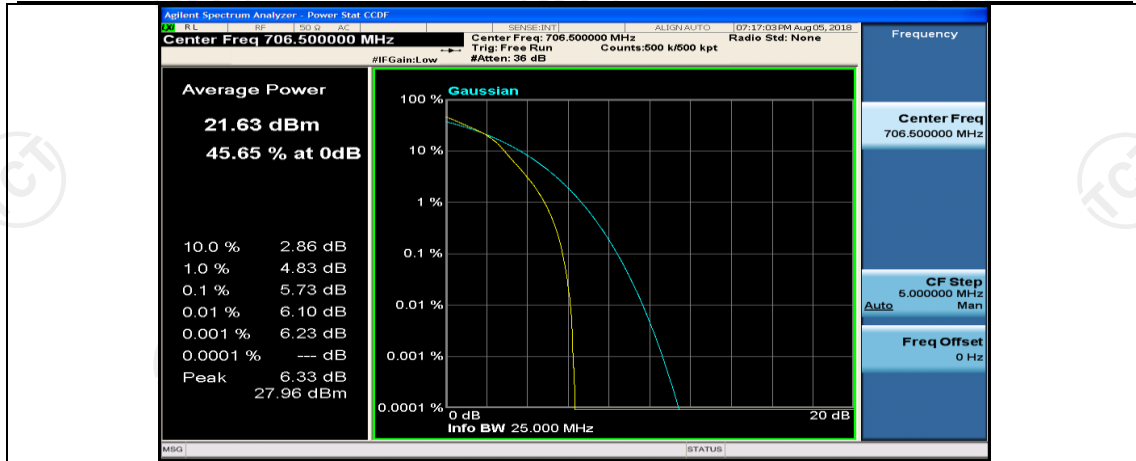


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

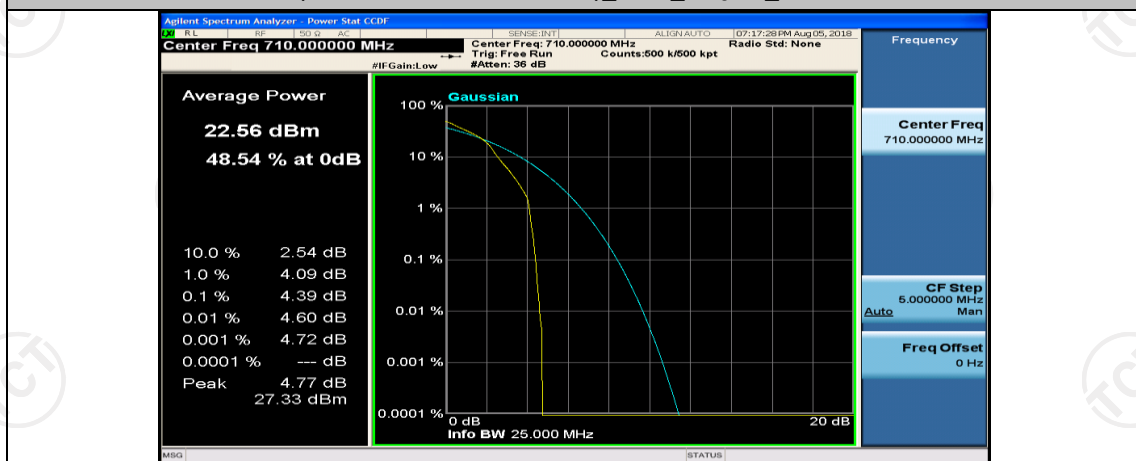


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

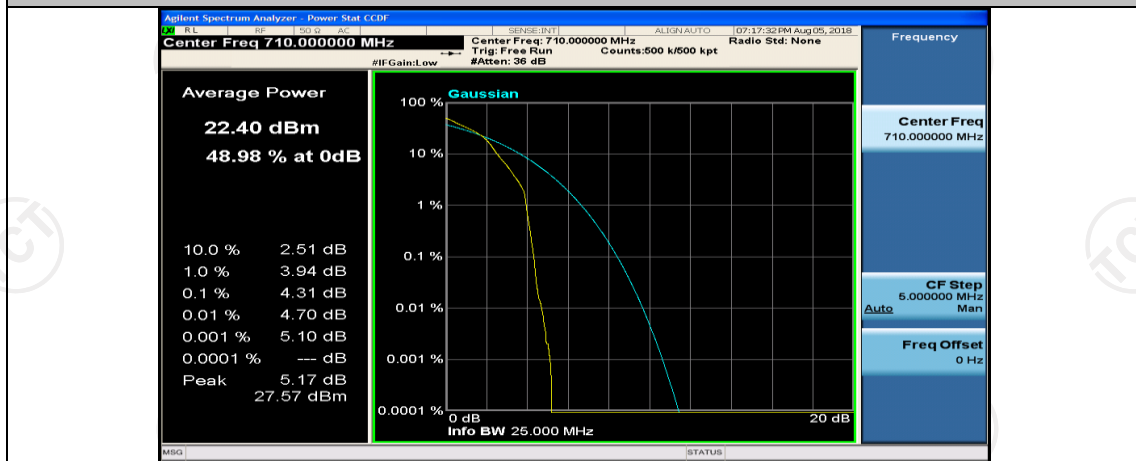




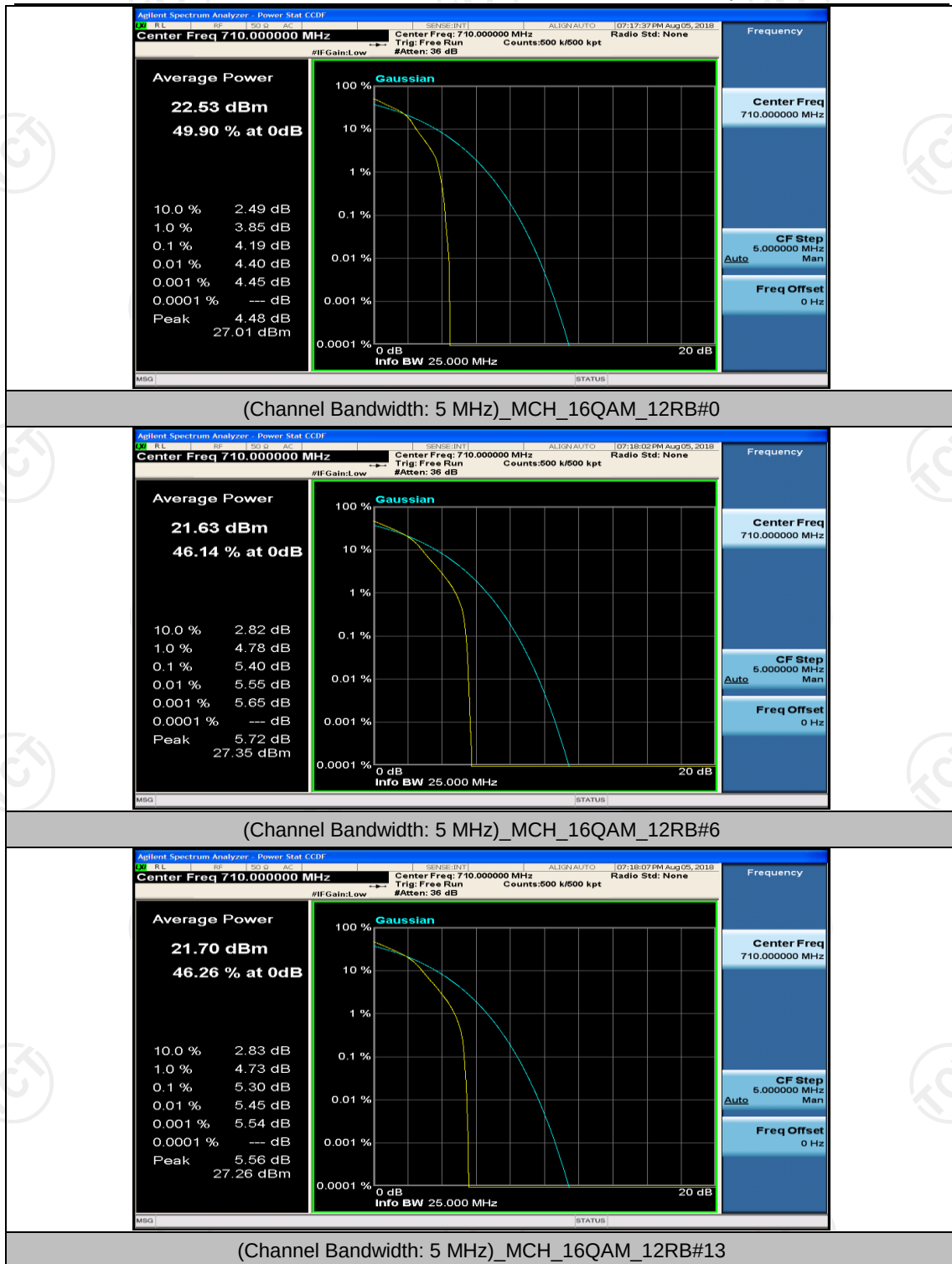
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

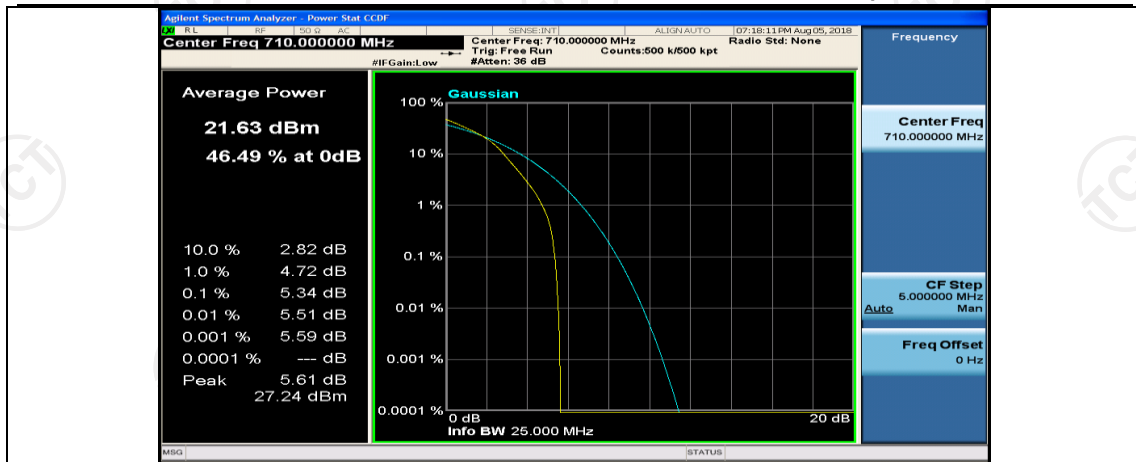


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

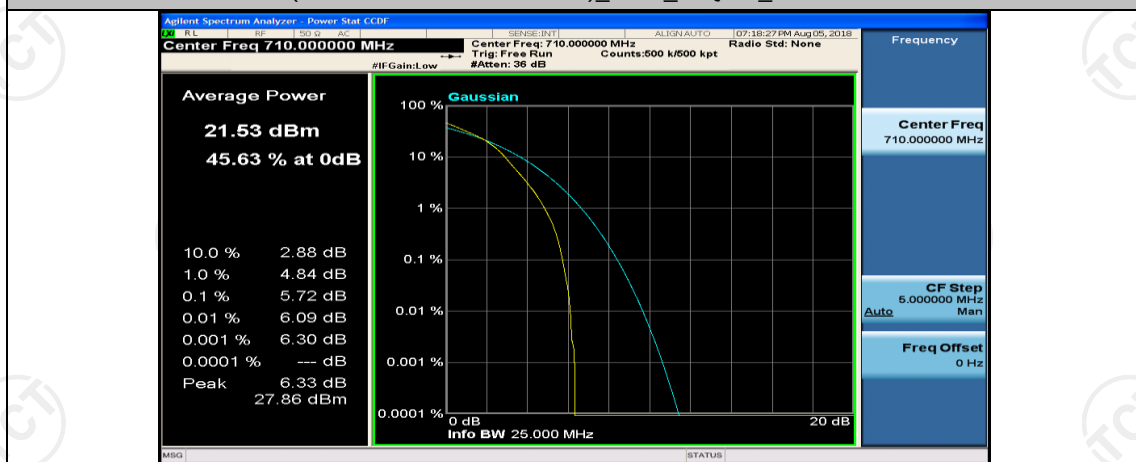


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

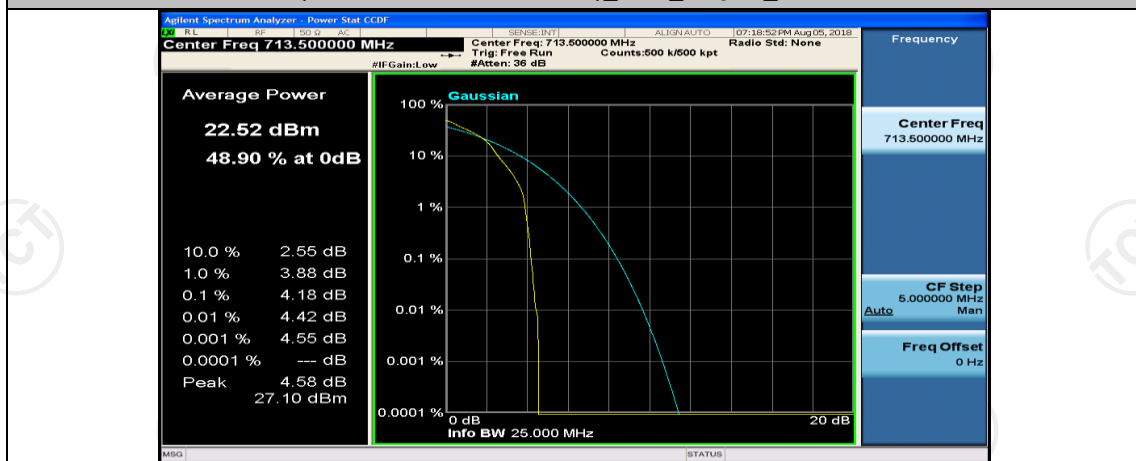




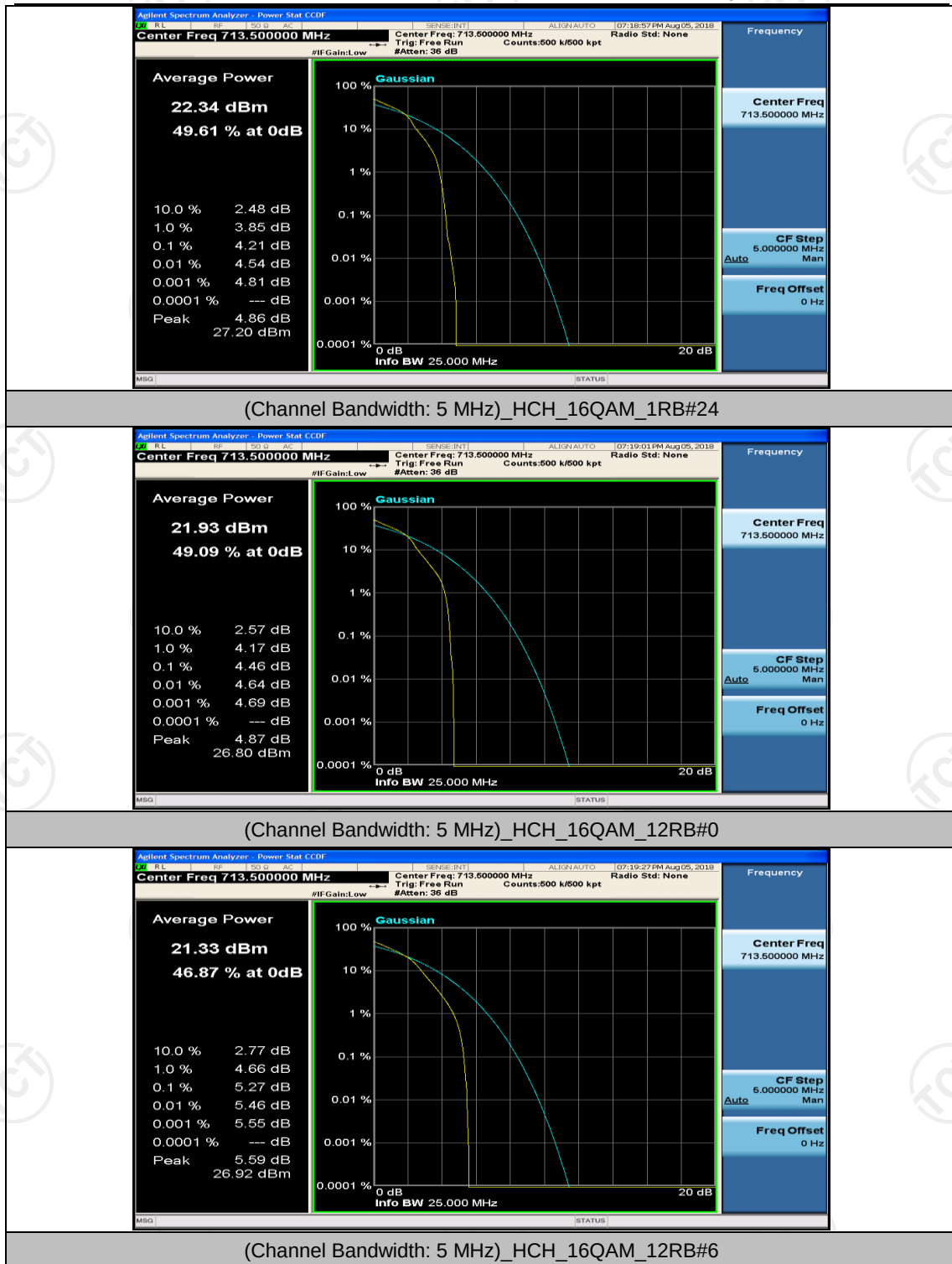
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

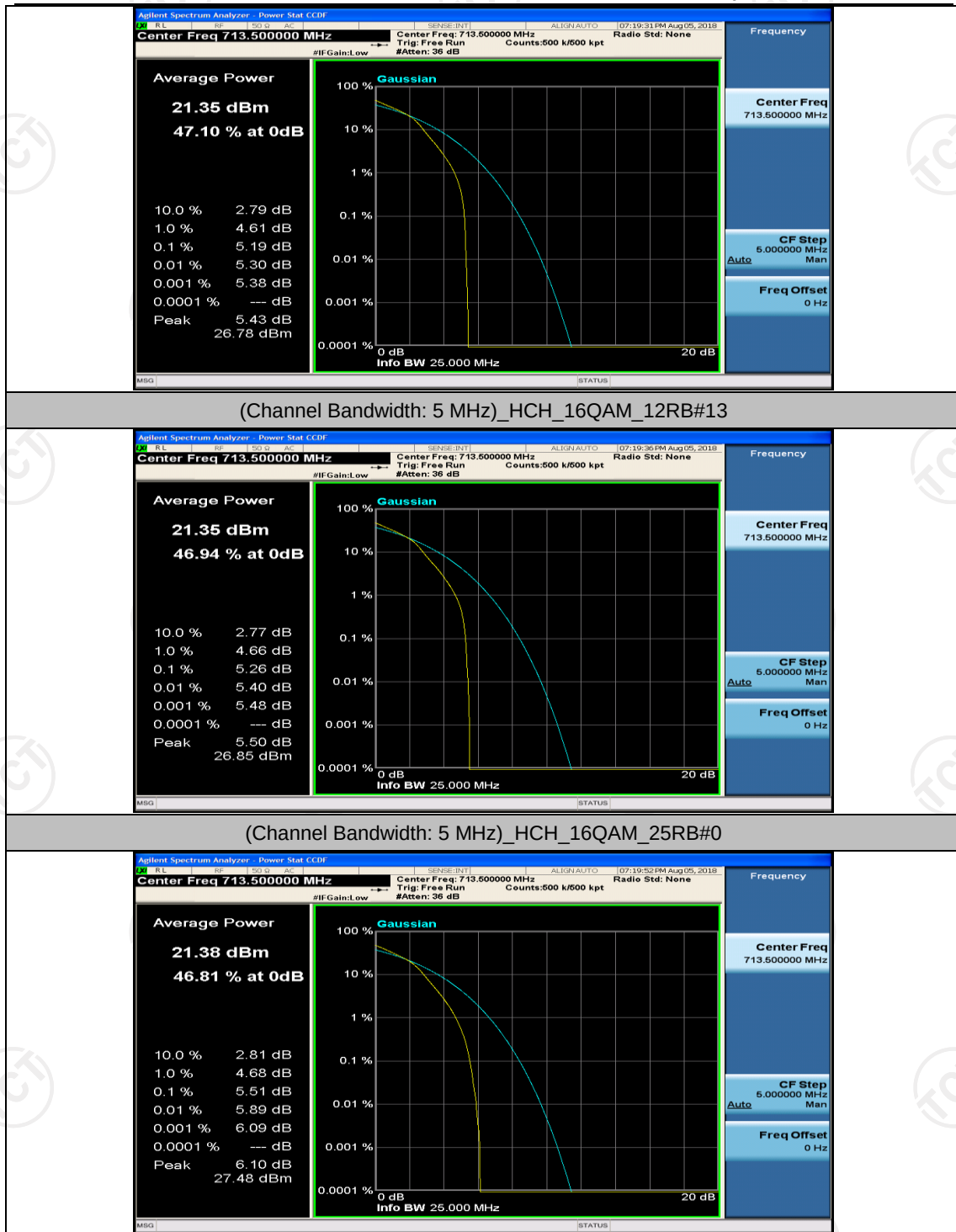


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

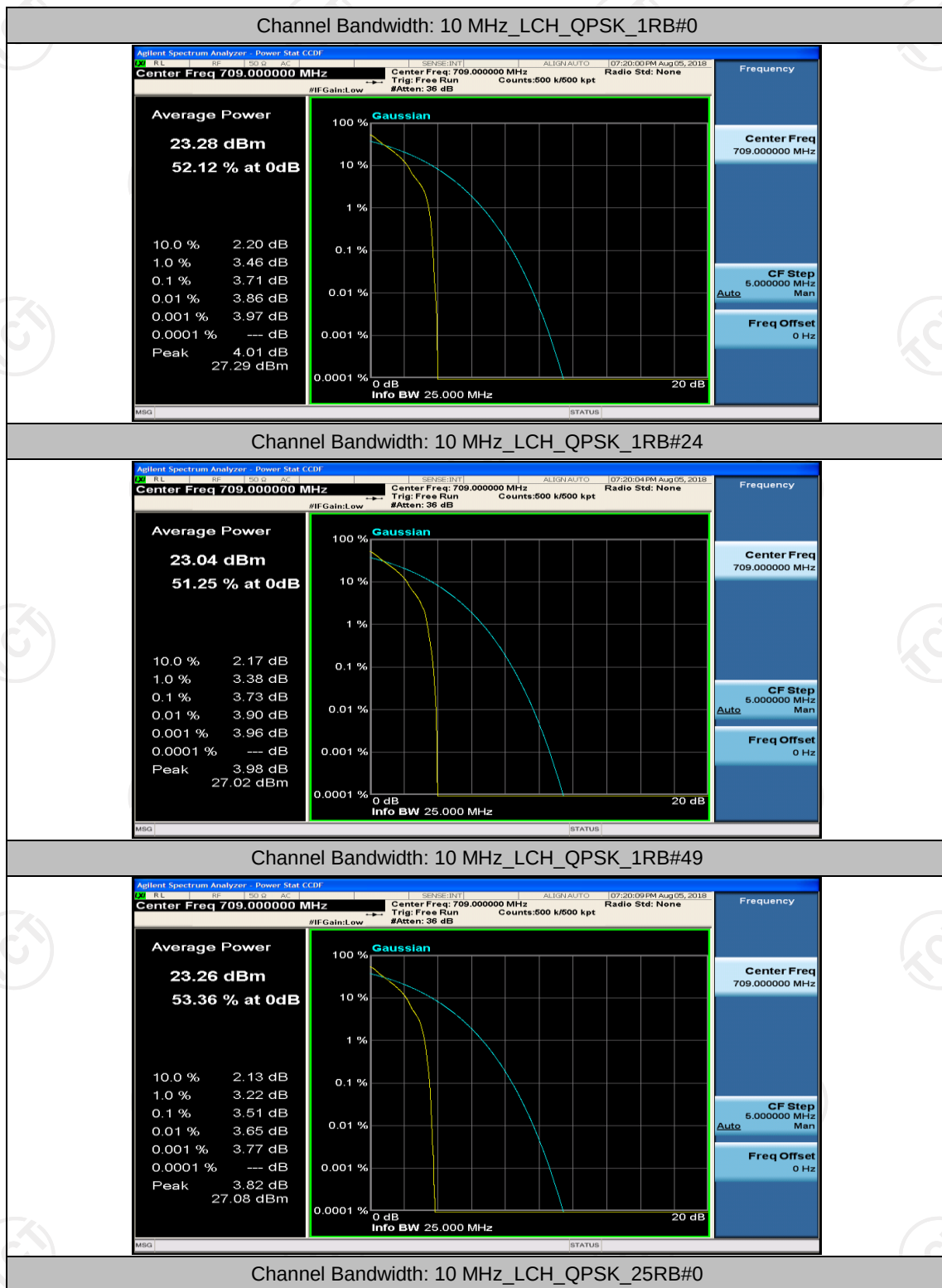


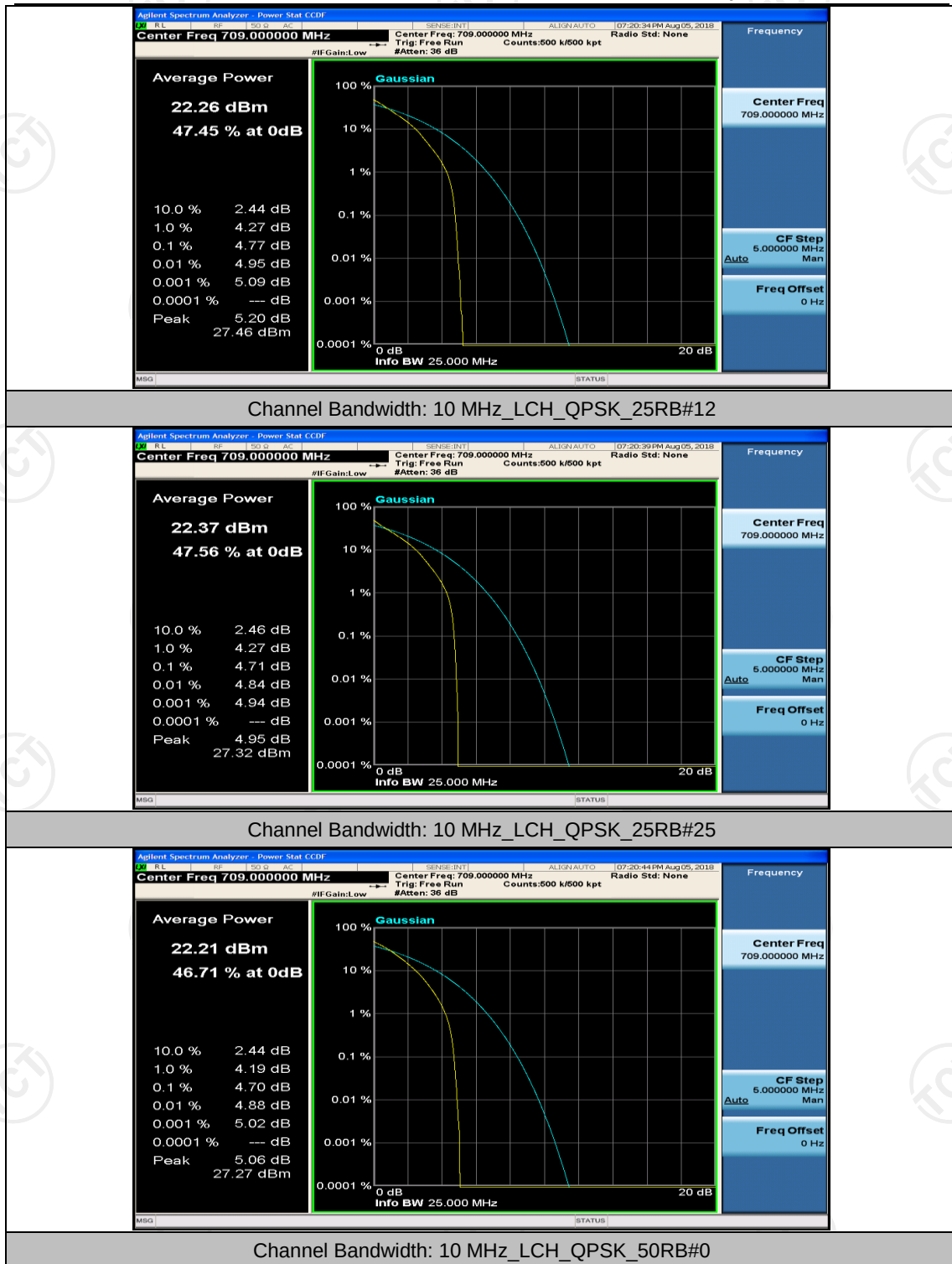
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

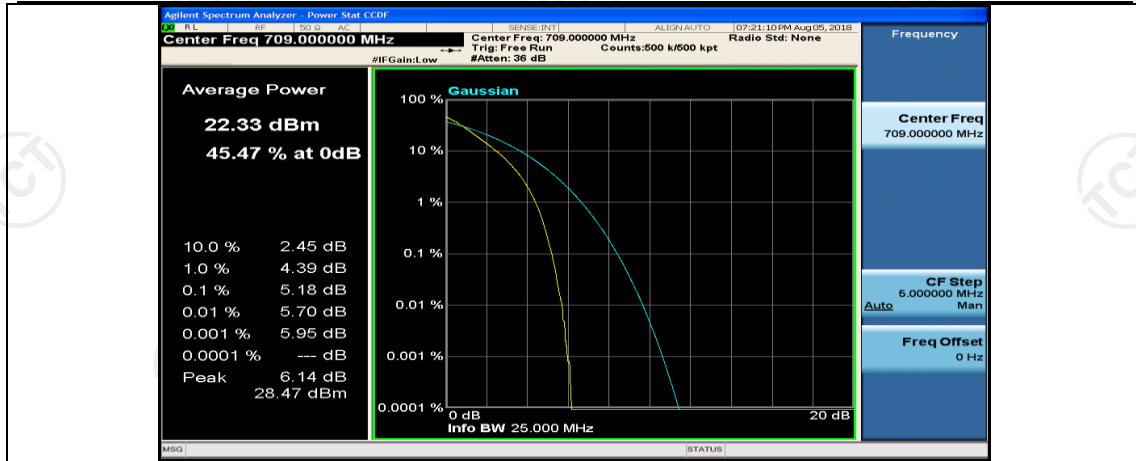




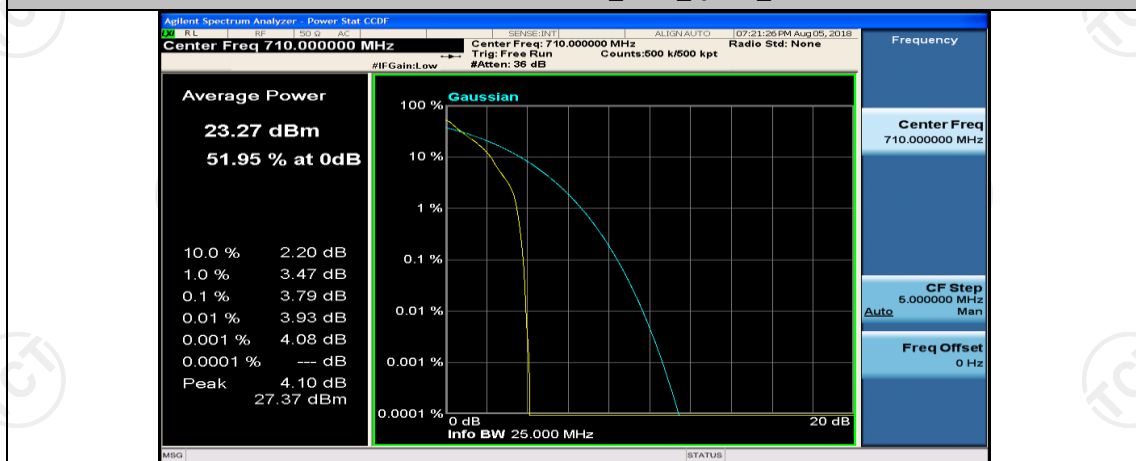
Channel Bandwidth: 10 MHz



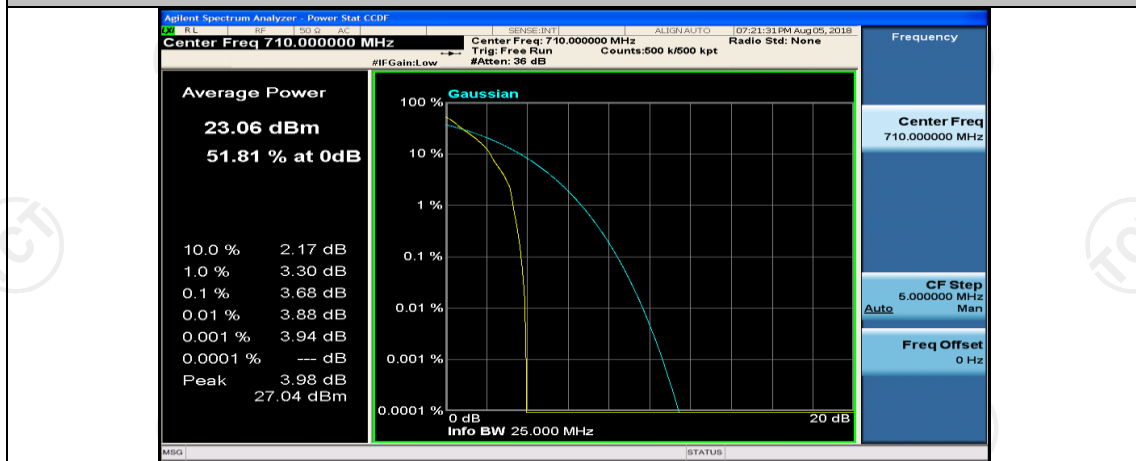




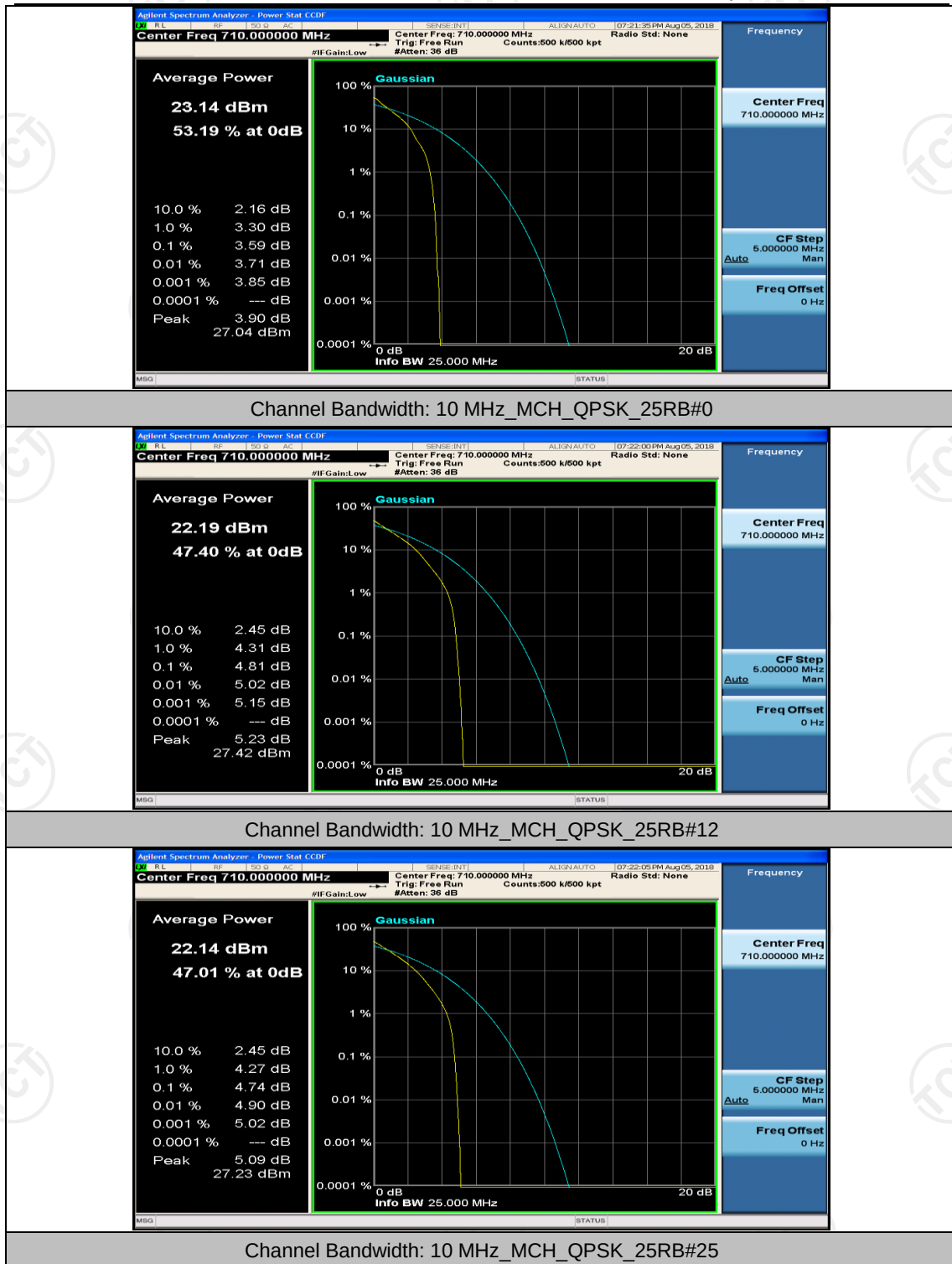
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

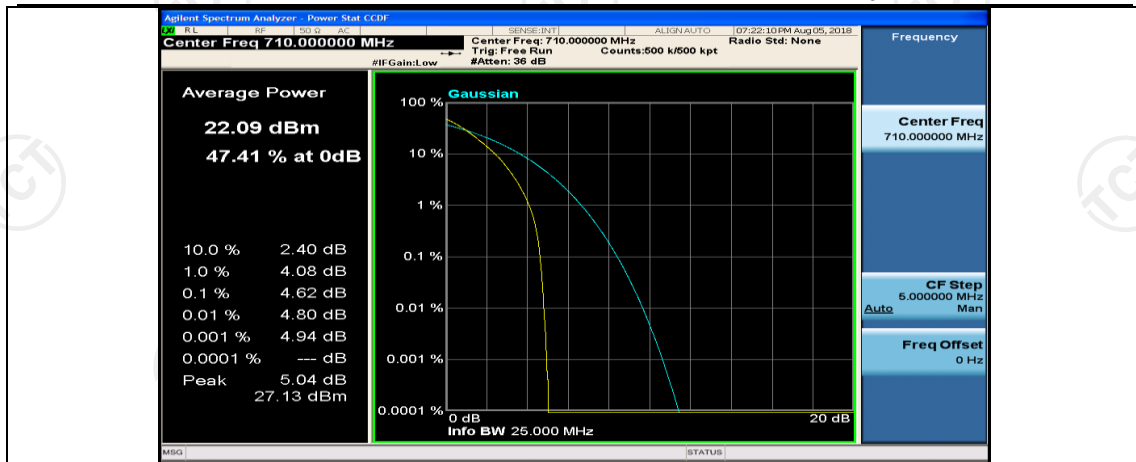


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

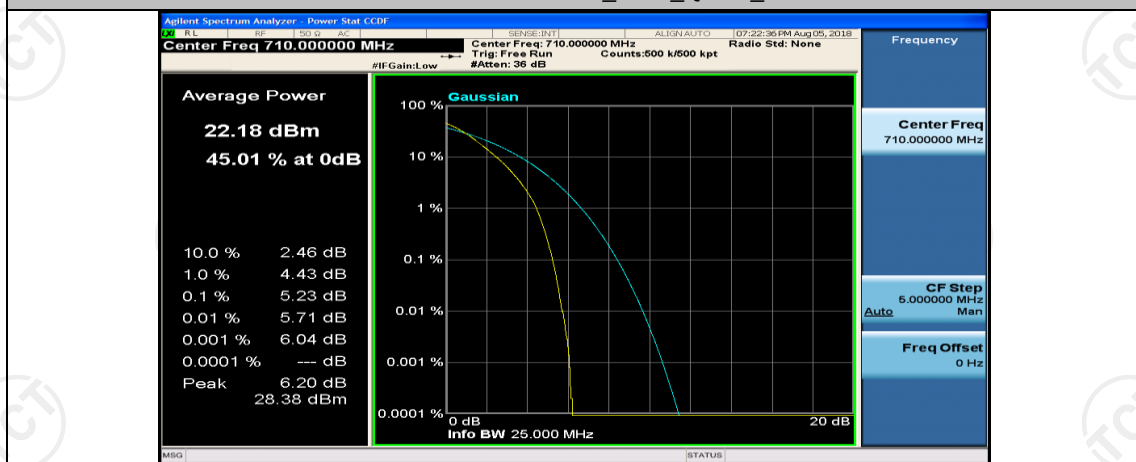


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

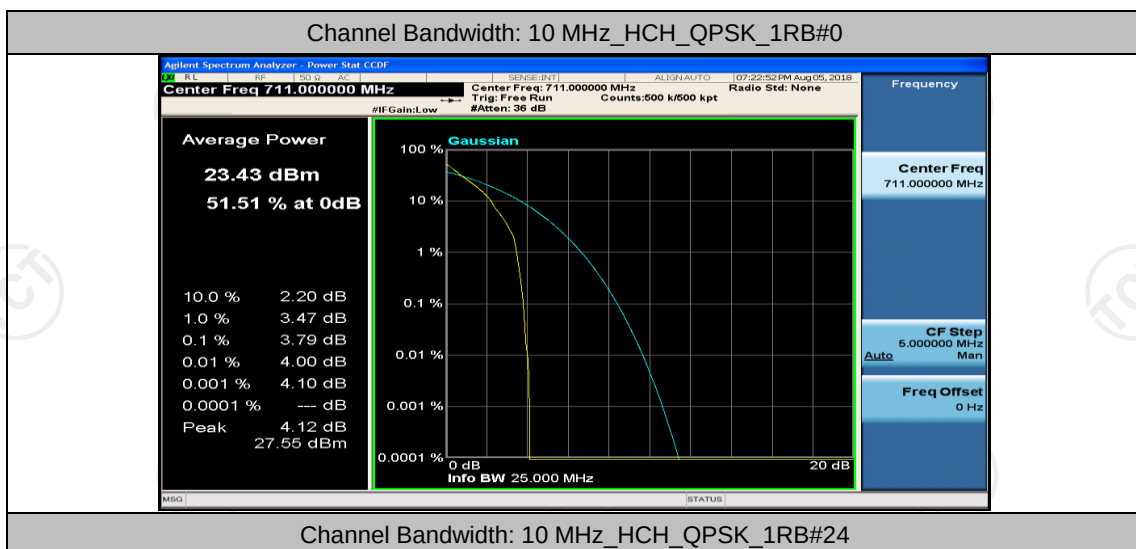




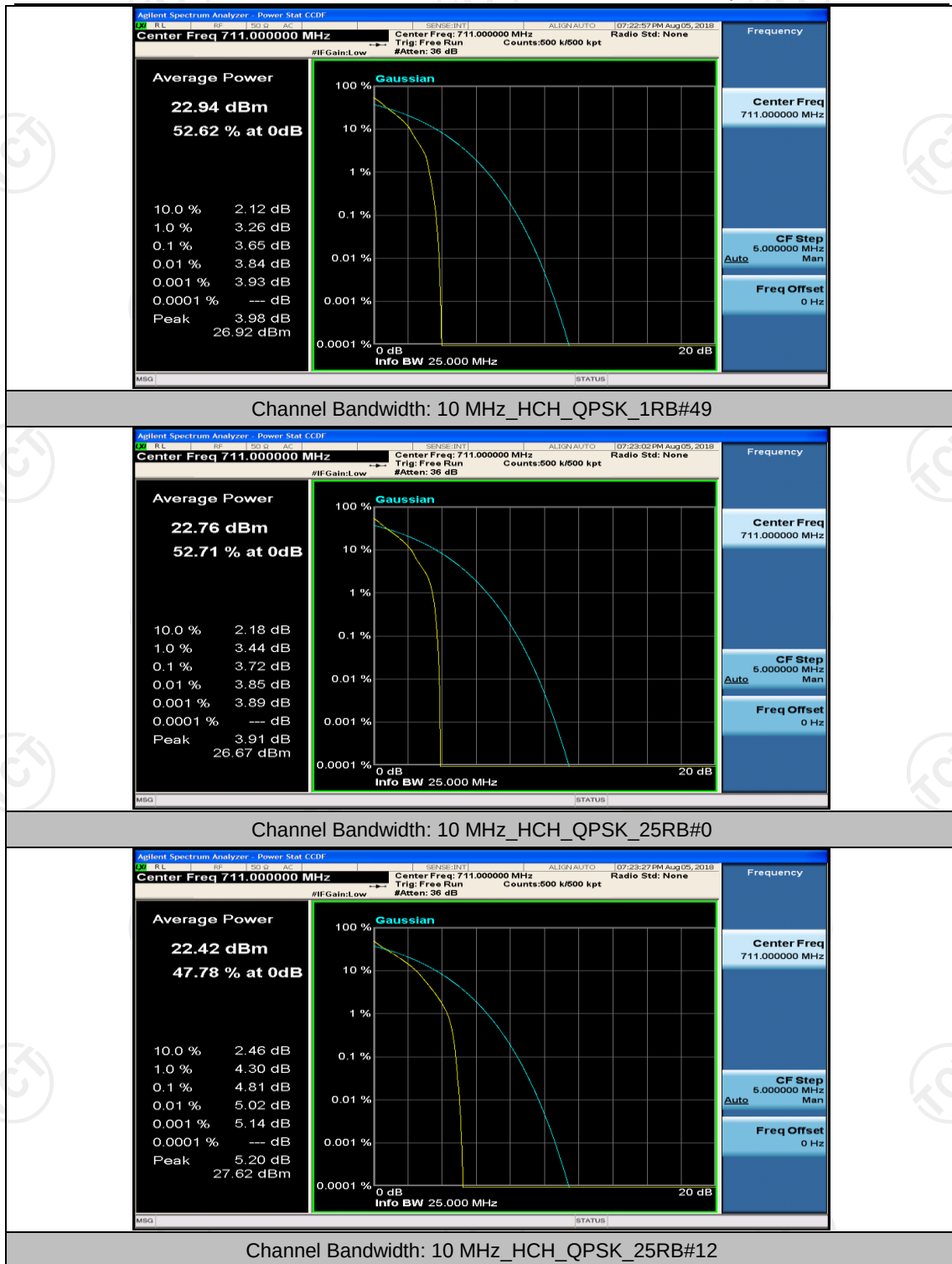
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

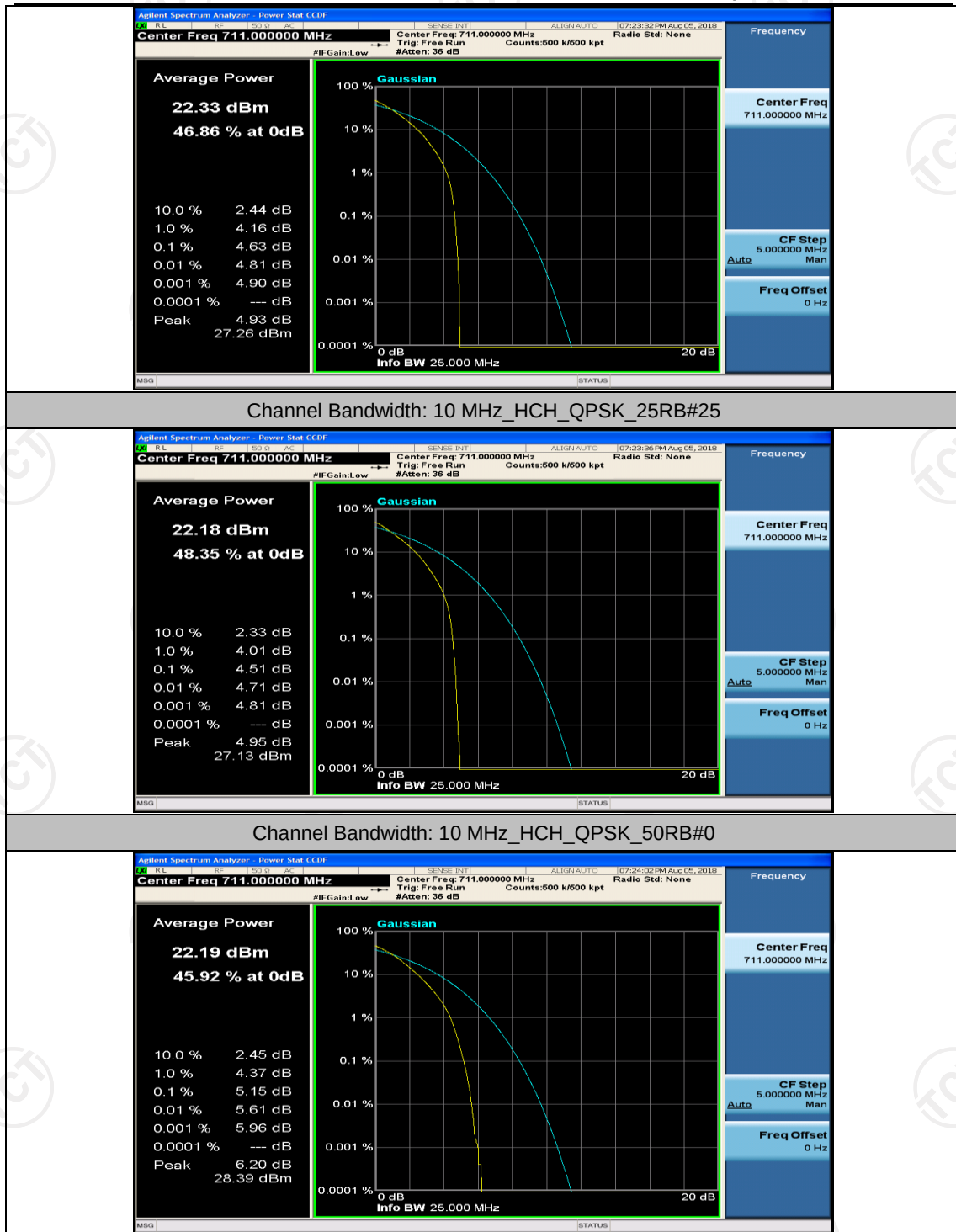


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

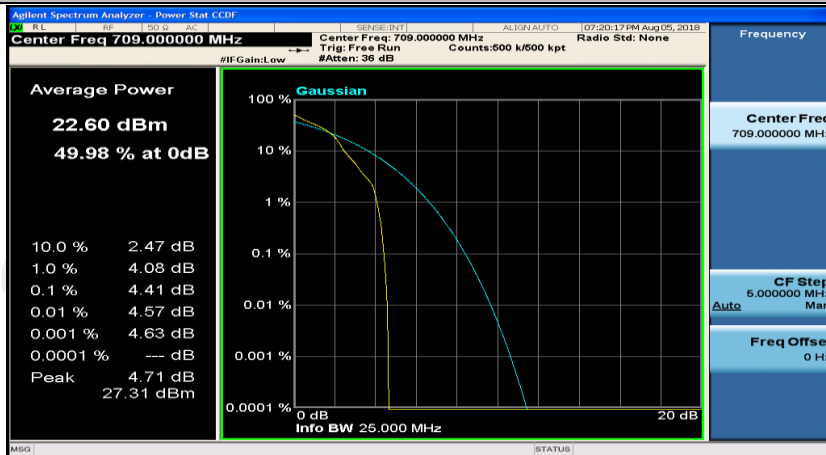


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

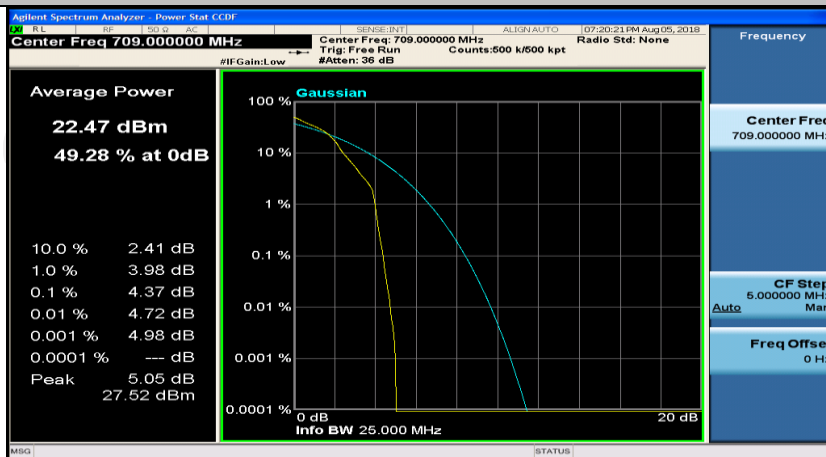




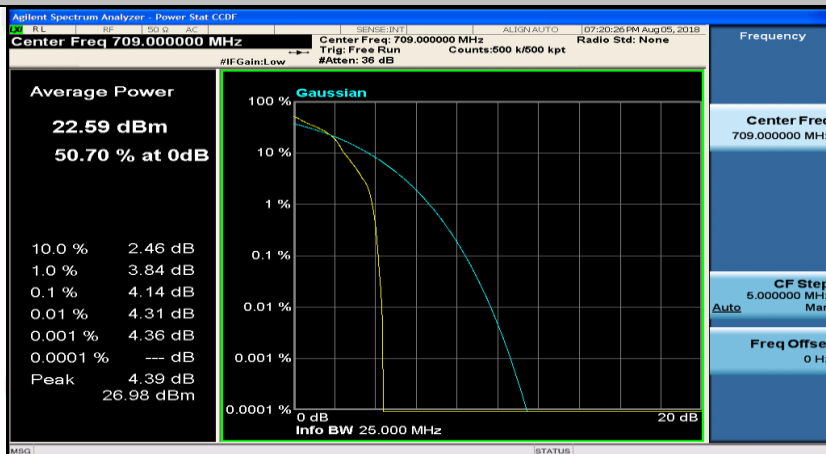
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



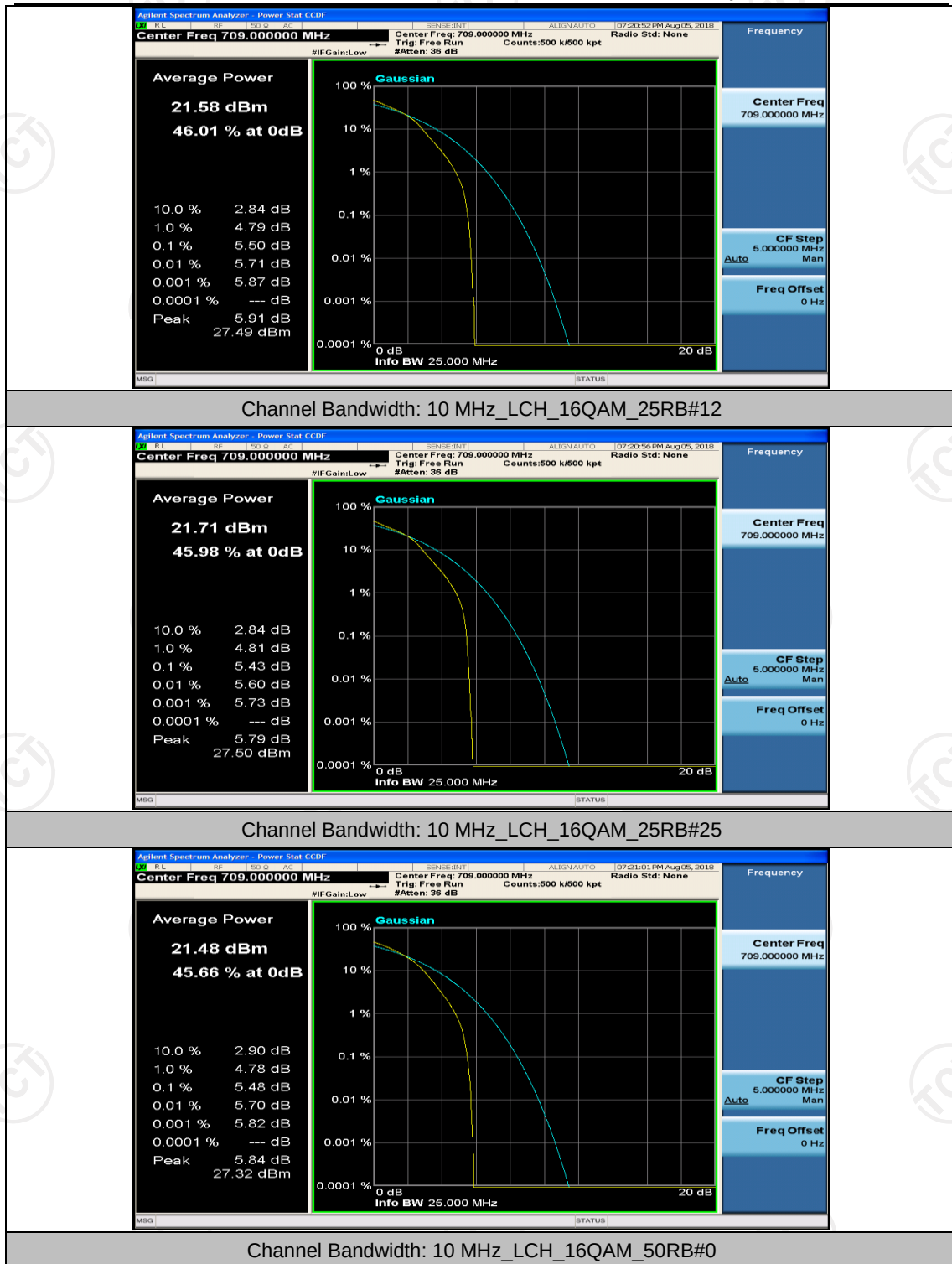
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

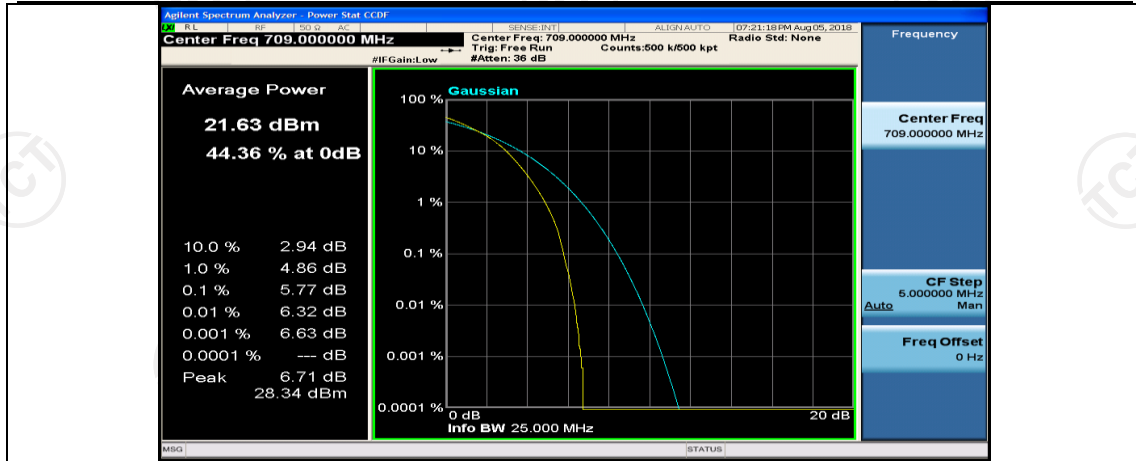


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

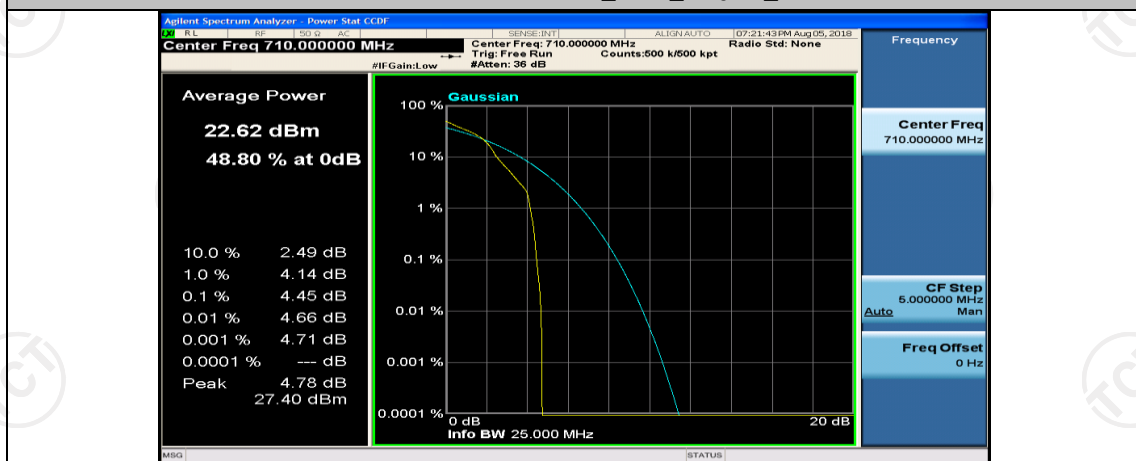


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

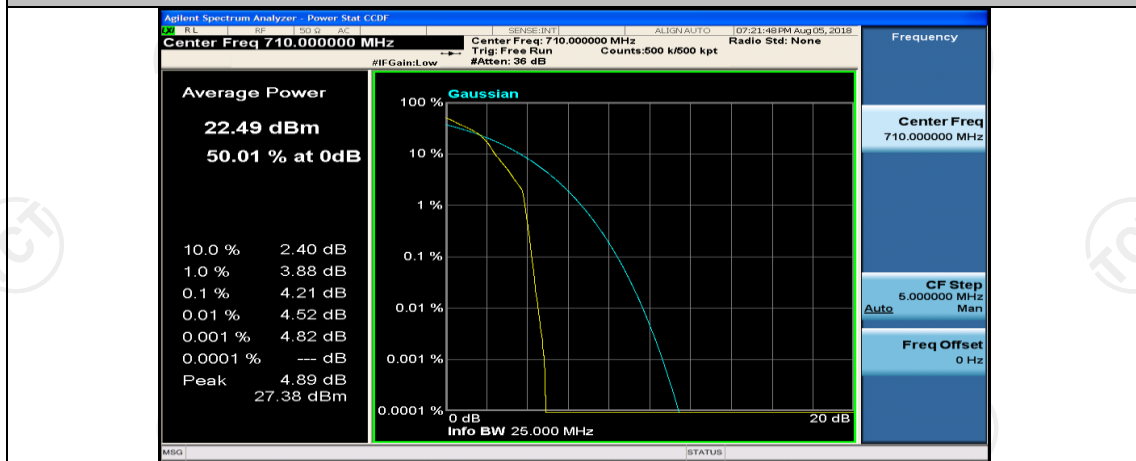




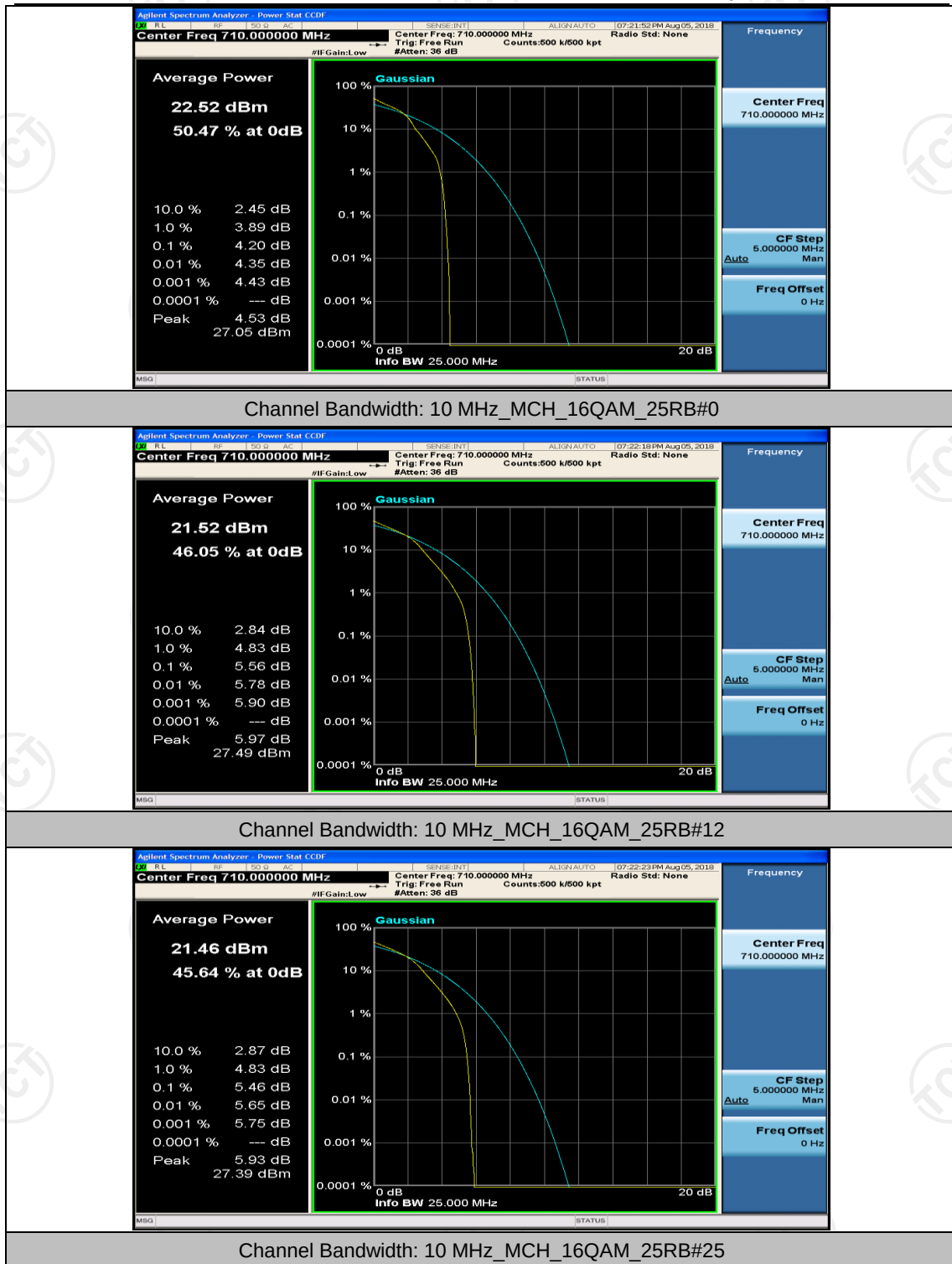
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

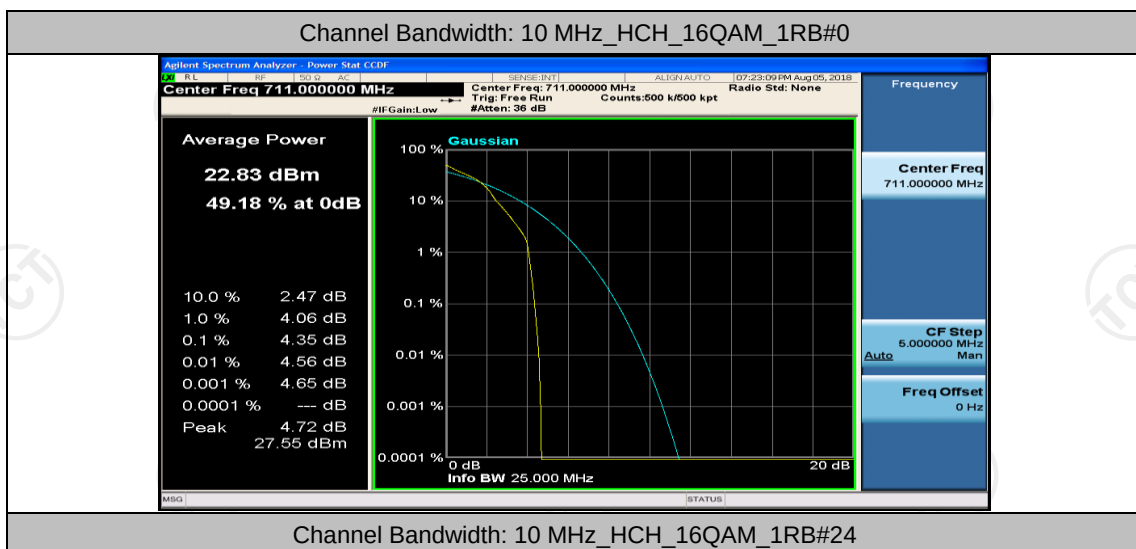
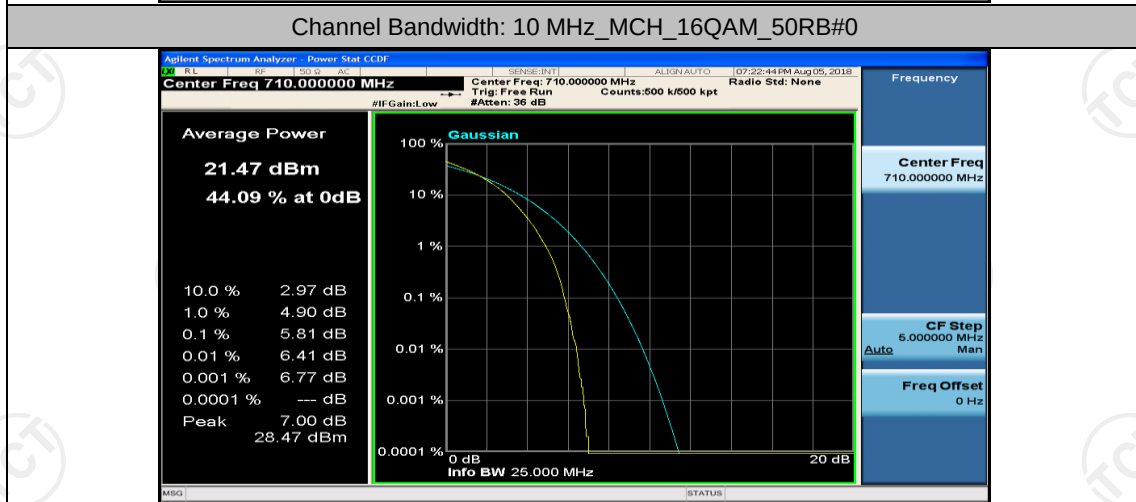
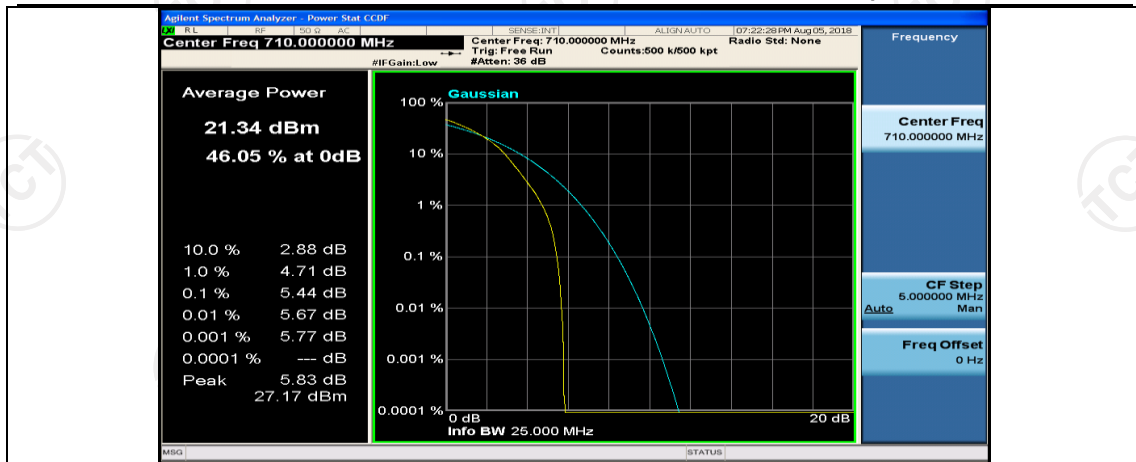


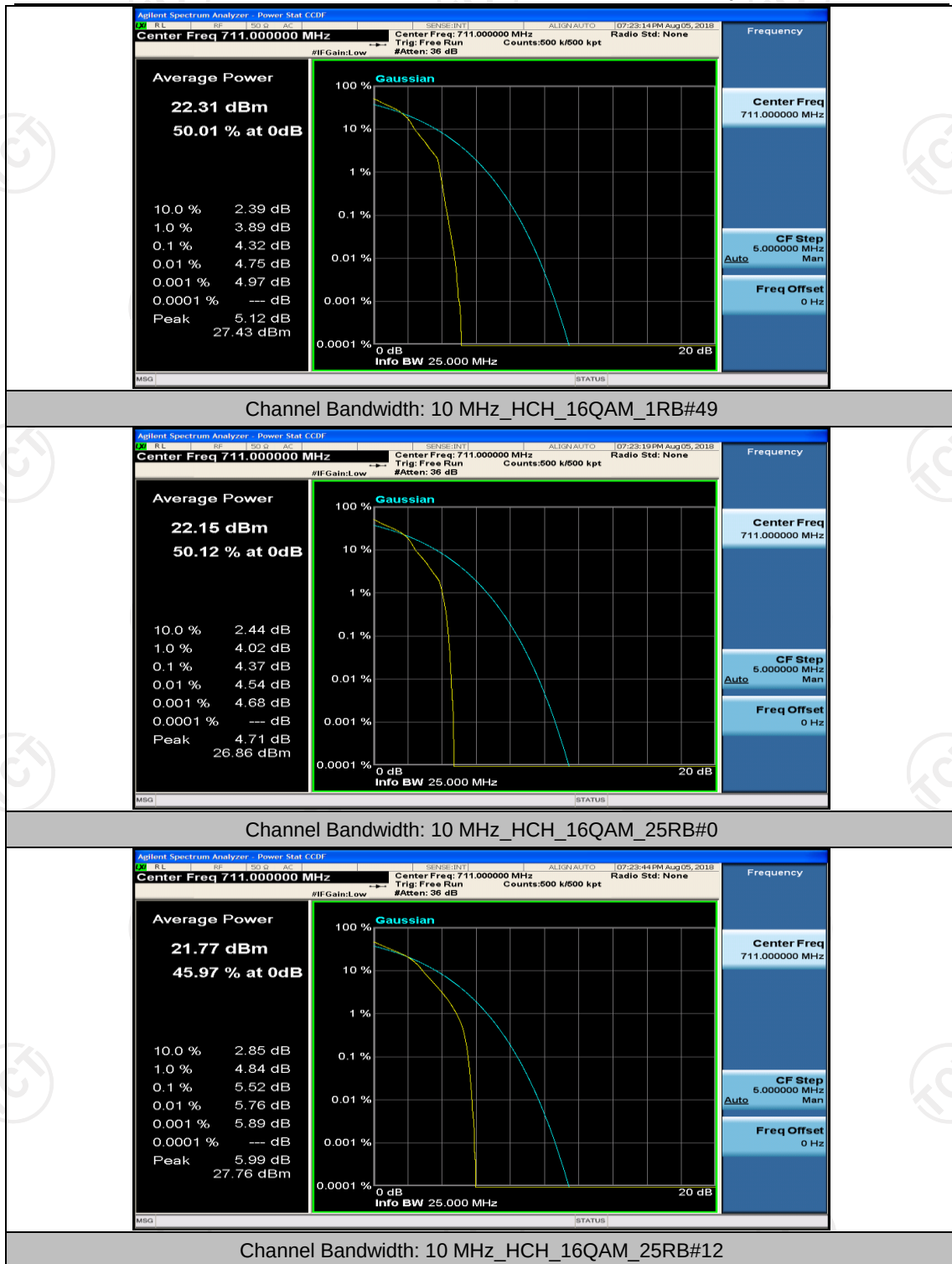
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

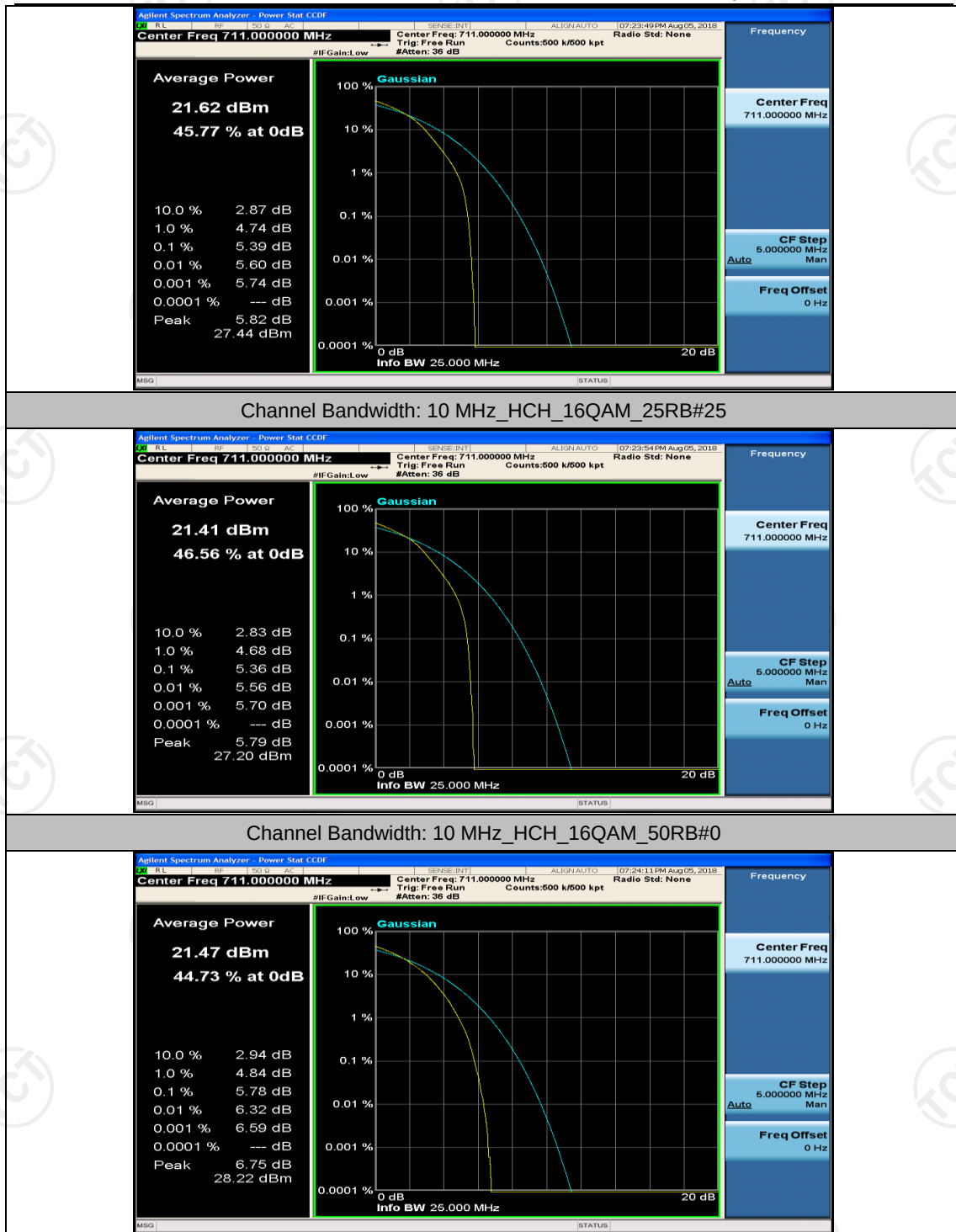


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.30060	0.4681	PASS
		1	12	0.39125	0.5955	PASS
		1	24	0.30099	0.4662	PASS
		12	0	2.1768	2.475	PASS
		12	6	2.1777	2.710	PASS
		12	13	2.1776	2.536	PASS
		25	0	4.4866	4.838	PASS
	MCH	1	0	0.30359	0.4939	PASS
		1	12	0.41251	0.6004	PASS
		1	24	0.29244	0.4952	PASS
		12	0	2.1726	2.513	PASS
		12	6	2.1835	2.727	PASS
		12	13	2.1749	2.562	PASS
		25	0	4.4896	4.841	PASS
	HCH	1	0	0.31002	0.5016	PASS
		1	12	0.39086	0.5750	PASS
		1	24	0.29222	0.4821	PASS
		12	0	2.1759	2.503	PASS
		12	6	2.1814	2.682	PASS
		12	13	2.1725	2.484	PASS
		25	0	4.4756	4.788	PASS
16QAM	LCH	1	0	0.29077	0.4726	PASS
		1	12	0.41580	0.5989	PASS
		1	24	0.31033	0.4934	PASS
		12	0	2.1724	2.538	PASS
		12	6	2.1787	2.813	PASS
		12	13	2.1734	2.610	PASS
		25	0	4.4812	4.838	PASS
	MCH	1	0	0.29598	0.4822	PASS
		1	12	0.43326	0.6313	PASS
		1	24	0.30925	0.4844	PASS

		12	0	2.1743	2.577	PASS
		12	6	2.1870	2.787	PASS
		12	13	2.1781	2.563	PASS
		25	0	4.4887	4.825	PASS
	HCH	1	0	0.30169	0.4716	PASS
		1	12	0.41948	0.5726	PASS
		1	24	0.29646	0.4997	PASS
		12	0	2.1763	2.562	PASS
		12	6	2.1815	2.645	PASS
		12	13	2.1720	2.556	PASS
		25	0	4.4702	4.822	PASS

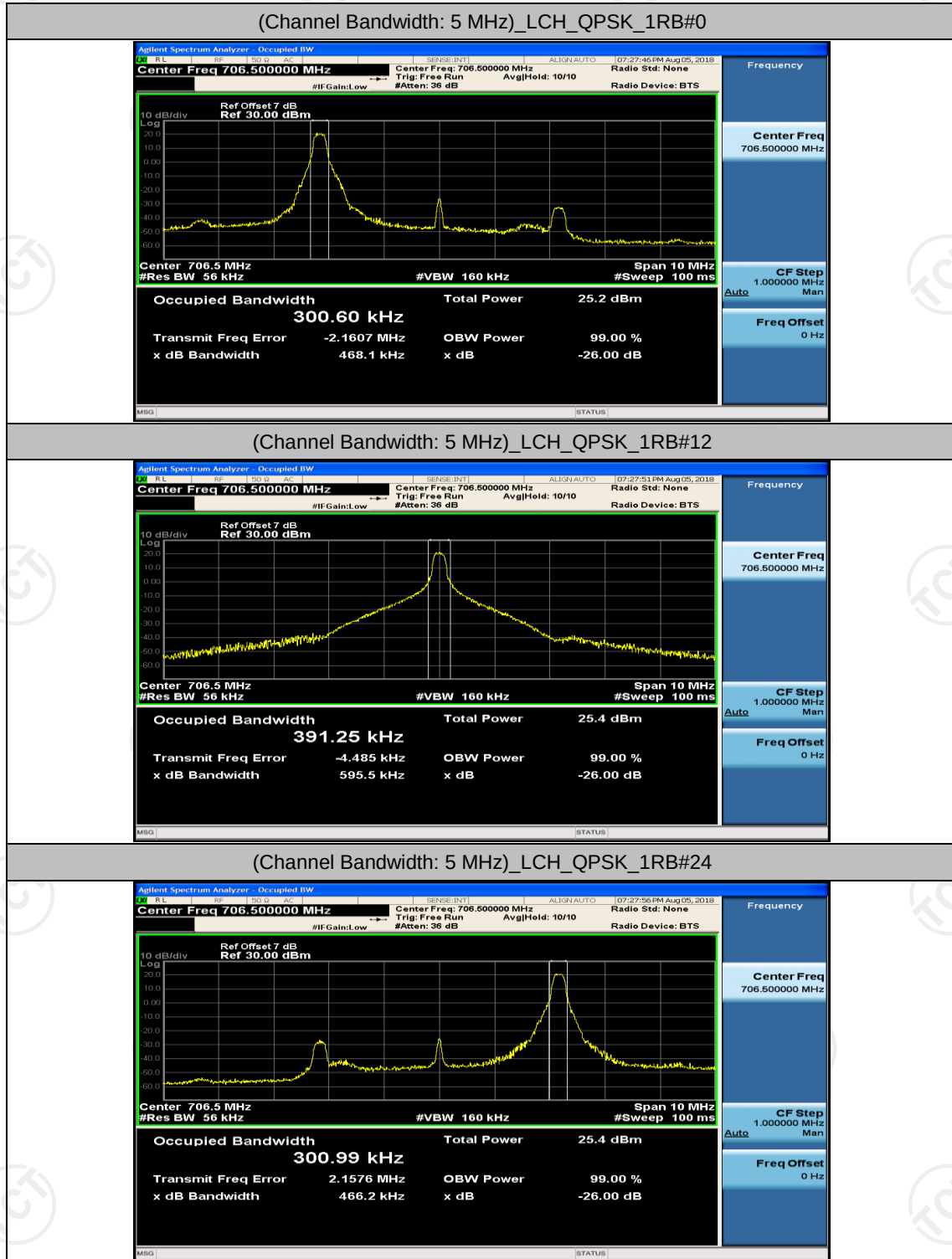
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.39260	0.5937	PASS
		1	25	0.47060	0.7533	PASS
		1	49	0.39611	0.6231	PASS
		25	0	4.5153	5.003	PASS
		25	12	4.5300	5.223	PASS
		25	25	4.5142	4.968	PASS
		50	0	8.9912	9.568	PASS
	MCH	1	0	0.39276	0.5982	PASS
		1	25	0.48655	0.7528	PASS
		1	49	0.38847	0.5929	PASS
		25	0	4.5318	5.000	PASS
		25	12	4.5338	5.181	PASS
		25	25	4.5146	4.943	PASS
		50	0	8.9649	9.484	PASS
	HCH	1	0	0.39113	0.5783	PASS
		1	25	0.47880	0.7550	PASS
		1	49	0.39269	0.6048	PASS
		25	0	4.5343	5.067	PASS
		25	12	4.5220	5.151	PASS
		25	25	4.5114	4.945	PASS
		50	0	8.9487	9.489	PASS
16QAM	LCH	1	0	0.39059	0.6135	PASS
		1	25	0.46762	0.6790	PASS
		1	49	0.39849	0.5916	PASS

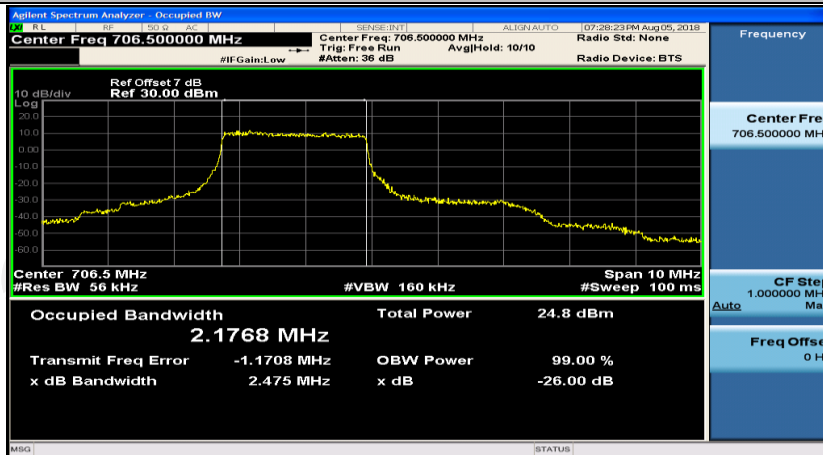
		25	0	4.5262	4.996	PASS
		25	12	4.5205	5.239	PASS
		25	25	4.5136	4.905	PASS
		50	0	8.9816	9.475	PASS
	MCH	1	0	0.38880	0.5871	PASS
		1	25	0.47417	0.6900	PASS
		1	49	0.39304	0.6134	PASS
		25	0	4.5194	4.983	PASS
		25	12	4.5274	5.193	PASS
		25	25	4.5081	4.899	PASS
		50	0	8.9644	9.491	PASS
	HCH	1	0	0.39126	0.6018	PASS
		1	25	0.48773	0.7266	PASS
		1	49	0.39224	0.5812	PASS
		25	0	4.5218	4.953	PASS
		25	12	4.5215	5.071	PASS
		25	25	4.4905	4.919	PASS
		50	0	8.9518	9.464	PASS

Test Graphs

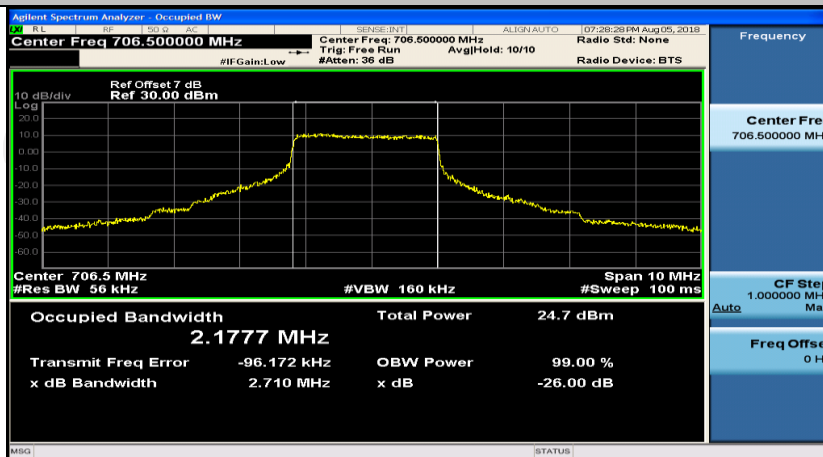
Channel Bandwidth: 5 MHz



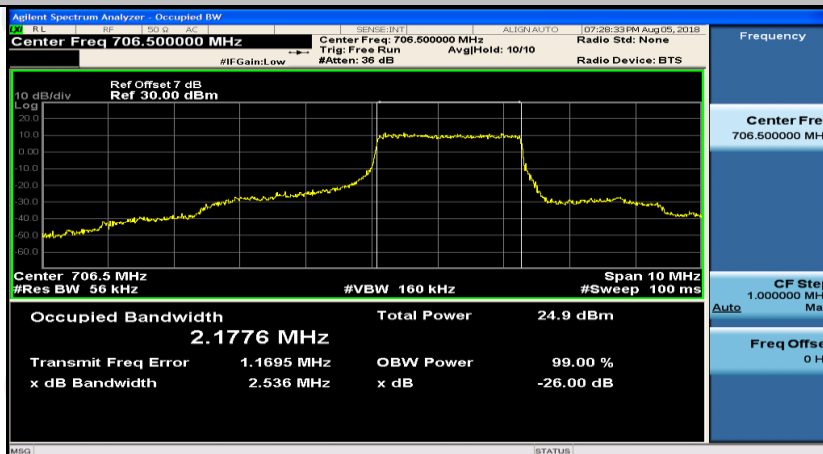
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

