

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	23.47	22.07	PASS
		1	12	23.60	22.20	PASS
		1	24	23.52	22.12	PASS
		12	0	22.56	21.16	PASS
		12	6	22.53	21.13	PASS
		12	13	22.67	21.27	PASS
		25	0	22.65	21.25	PASS
	MCH	1	0	23.53	22.13	PASS
		1	12	23.56	22.16	PASS
		1	24	23.44	22.04	PASS
		12	0	22.34	20.94	PASS
		12	6	22.40	21.00	PASS
		12	13	22.57	21.17	PASS
		25	0	22.47	21.07	PASS
	HCH	1	0	23.43	22.03	PASS
		1	12	23.52	22.12	PASS
		1	24	23.43	22.03	PASS
		12	0	22.63	21.23	PASS
		12	6	22.61	21.21	PASS
		12	13	22.32	20.92	PASS
		25	0	22.44	21.04	PASS
16QAM	LCH	1	0	22.72	21.32	PASS
		1	12	22.82	21.42	PASS
		1	24	22.69	21.29	PASS
		12	0	21.62	20.22	PASS
		12	6	21.64	20.24	PASS
		12	13	21.74	20.34	PASS
		25	0	21.65	20.25	PASS
	MCH	1	0	22.57	21.17	PASS
		1	12	22.62	21.22	PASS
		1	24	22.49	21.09	PASS

		12	0	21.43	20.03	PASS
		12	6	21.43	20.03	PASS
		12	13	21.61	20.21	PASS
		25	0	21.59	20.19	PASS
	HCH	1	0	22.48	21.08	PASS
		1	12	22.57	21.17	PASS
		1	24	22.55	21.15	PASS
		12	0	21.61	20.21	PASS
		12	6	21.61	20.21	PASS
		12	13	21.35	19.95	PASS
		25	0	21.50	20.10	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	23.53	22.13	PASS
		1	24	23.55	22.15	PASS
		1	49	23.40	22.00	PASS
		25	0	22.48	21.08	PASS
		25	12	22.50	21.10	PASS
		25	25	22.65	21.25	PASS
		50	0	22.56	21.16	PASS
	MCH	1	0	23.52	22.12	PASS
		1	24	23.49	22.09	PASS
		1	49	23.43	22.03	PASS
		25	0	22.35	20.95	PASS
		25	12	22.35	20.95	PASS
		25	25	22.42	21.02	PASS
		50	0	22.37	20.97	PASS
	HCH	1	0	23.62	22.22	PASS
		1	24	23.57	22.17	PASS
		1	49	23.48	22.08	PASS
		25	0	22.33	20.93	PASS
		25	12	22.33	20.93	PASS
		25	25	22.26	20.86	PASS
		50	0	22.30	20.9	PASS
16QAM	LCH	1	0	22.75	21.35	PASS
		1	24	22.81	21.41	PASS
		1	49	22.61	21.21	PASS

		25	0	21.51	20.11	PASS
		25	12	21.55	20.15	PASS
		25	25	21.65	20.25	PASS
		50	0	21.64	20.24	PASS
	MCH	1	0	22.72	21.32	PASS
		1	24	22.79	21.39	PASS
		1	49	22.63	21.23	PASS
		25	0	21.42	20.02	PASS
		25	12	21.41	20.01	PASS
		25	25	21.50	20.10	PASS
		50	0	21.47	20.07	PASS
	HCH	1	0	22.48	21.08	PASS
		1	24	22.50	21.10	PASS
		1	49	22.43	21.03	PASS
		25	0	21.44	20.04	PASS
		25	12	21.44	20.04	PASS
		25	25	21.32	19.92	PASS
		50	0	21.36	19.96	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	5.18	<13	PASS
		1	12	5.12	<13	PASS
		1	24	4.73	<13	PASS
		12	0	5.51	<13	PASS
		12	6	5.51	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.53	<13	PASS
	MCH	1	0	4.87	<13	PASS
		1	12	4.11	<13	PASS
		1	24	4.08	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.34	<13	PASS
		12	13	4.77	<13	PASS
		25	0	5.04	<13	PASS
	HCH	1	0	4.04	<13	PASS
		1	12	4.12	<13	PASS
		1	24	4.36	<13	PASS
		12	0	4.74	<13	PASS
		12	6	4.74	<13	PASS
		12	13	5.28	<13	PASS
		25	0	5.06	<13	PASS
16QAM	LCH	1	0	5.64	<13	PASS
		1	12	5.65	<13	PASS
		1	24	5.44	<13	PASS
		12	0	6.36	<13	PASS
		12	6	6.38	<13	PASS
		12	13	6.22	<13	PASS
		25	0	6.31	<13	PASS
	MCH	1	0	5.58	<13	PASS

		1	12	4.86	<13	PASS
		1	24	4.77	<13	PASS
		12	0	6.08	<13	PASS
		12	6	6.09	<13	PASS
		12	13	5.6	<13	PASS
		25	0	5.94	<13	PASS
	HCH	1	0	4.7	<13	PASS
		1	12	4.79	<13	PASS
		1	24	4.99	<13	PASS
		12	0	5.57	<13	PASS
		12	6	5.63	<13	PASS
		12	13	6.11	<13	PASS
		25	0	5.9	<13	PASS

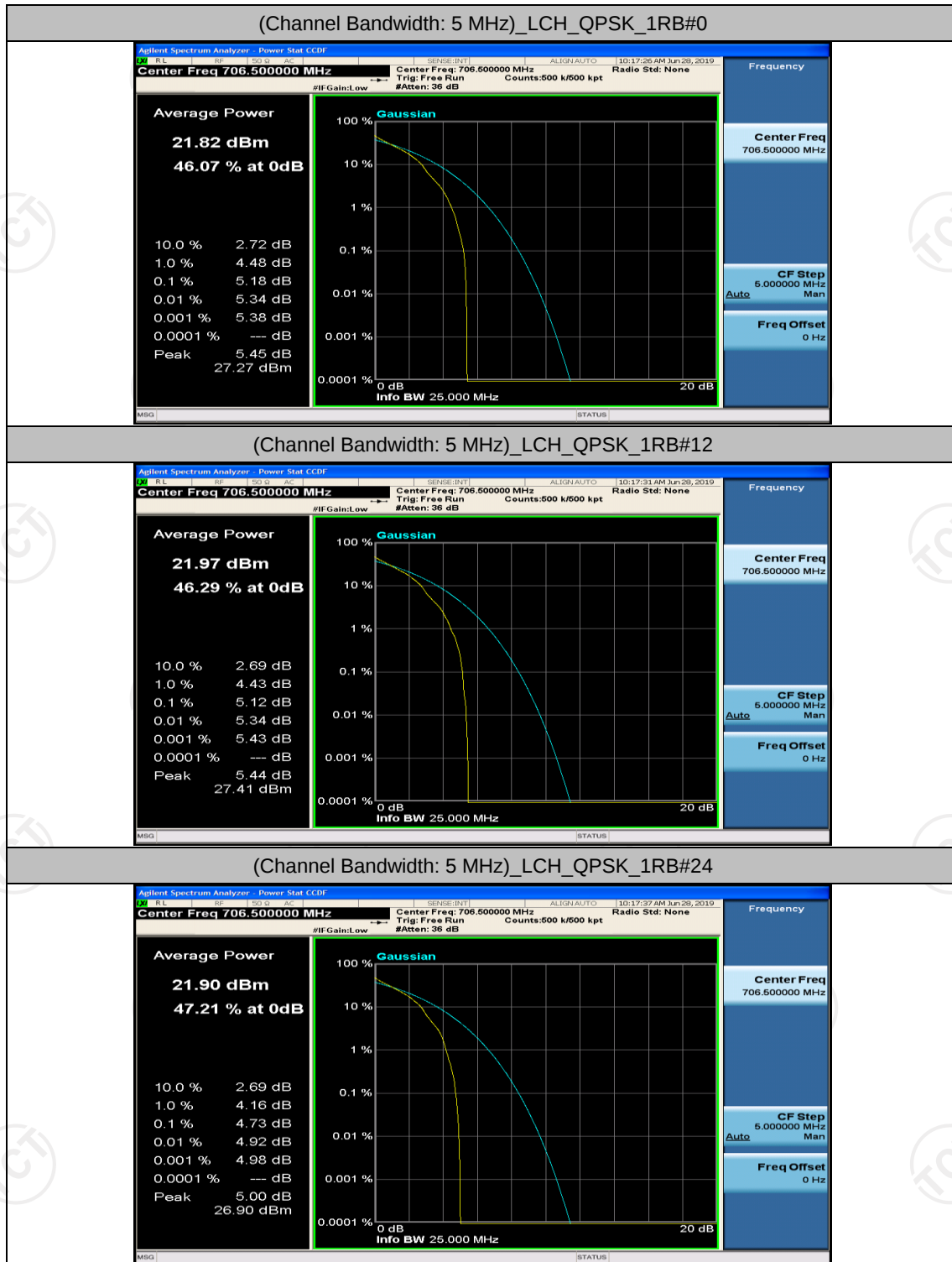
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.94	<13	PASS
		1	24	4.3	<13	PASS
		1	49	4.09	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.56	<13	PASS
		25	25	4.88	<13	PASS
		50	0	5.28	<13	PASS
	MCH	1	0	4.81	<13	PASS
		1	24	4.01	<13	PASS
		1	49	4.25	<13	PASS
		25	0	5.45	<13	PASS
		25	12	5.49	<13	PASS
		25	25	4.93	<13	PASS
		50	0	5.33	<13	PASS
	HCH	1	0	5.01	<13	PASS
		1	24	3.86	<13	PASS
		1	49	4.44	<13	PASS
		25	0	5.39	<13	PASS
		25	12	5.28	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.18	<13	PASS
16QAM	LCH	1	0	5.6	<13	PASS

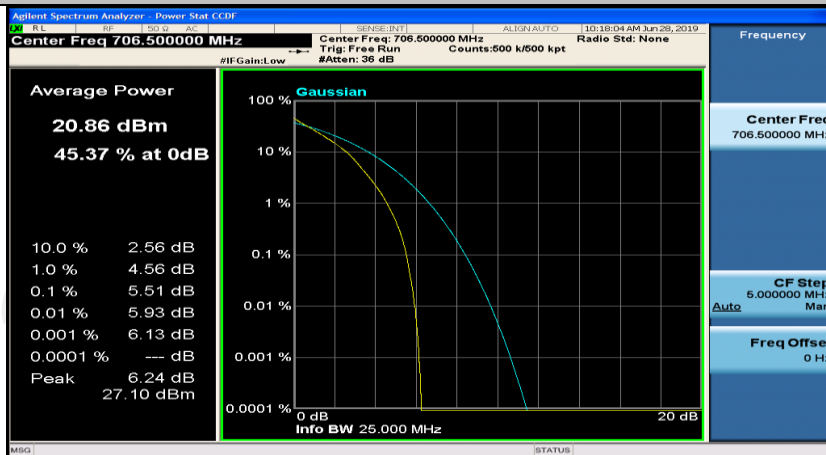
		1	24	5.08	<13	PASS
		1	49	4.97	<13	PASS
		25	0	6.39	<13	PASS
		25	12	6.42	<13	PASS
		25	25	5.69	<13	PASS
		50	0	6.05	<13	PASS
	MCH	1	0	5.57	<13	PASS
		1	24	4.78	<13	PASS
		1	49	5.02	<13	PASS
		25	0	6.3	<13	PASS
		25	12	6.36	<13	PASS
		25	25	5.79	<13	PASS
		50	0	6.14	<13	PASS
	HCH	1	0	5.95	<13	PASS
		1	24	4.83	<13	PASS
		1	49	5.37	<13	PASS
		25	0	6.12	<13	PASS
		25	12	6.11	<13	PASS
		25	25	5.92	<13	PASS
		50	0	6.04	<13	PASS

Test Graphs

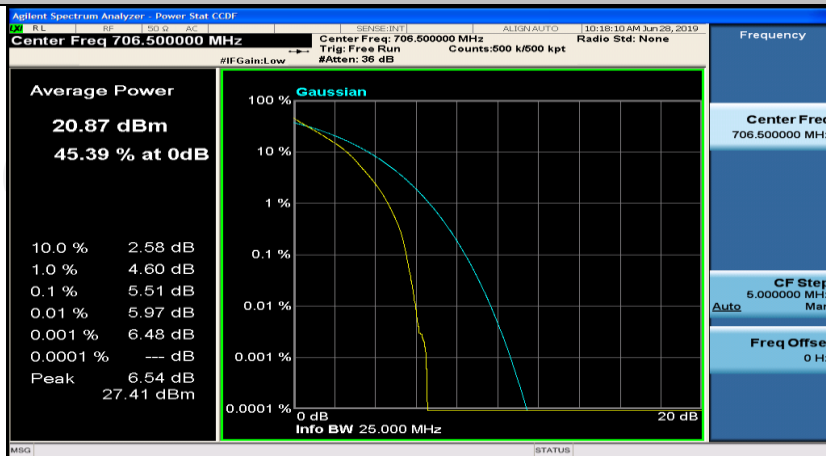
Channel Bandwidth: 5 MHz



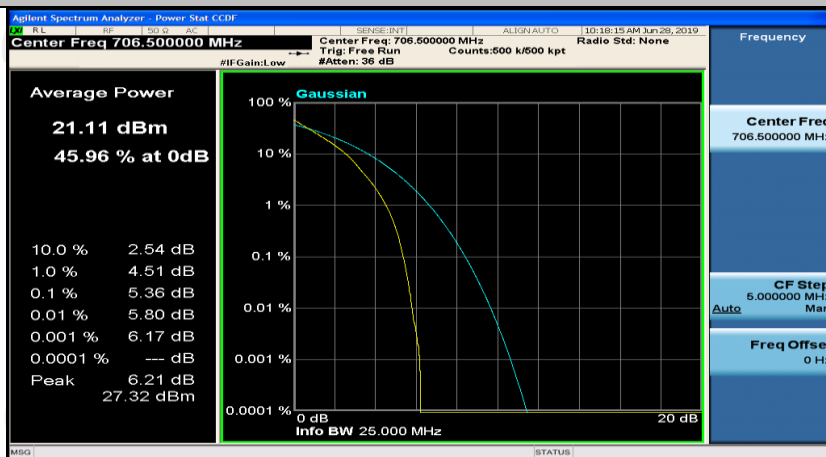
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



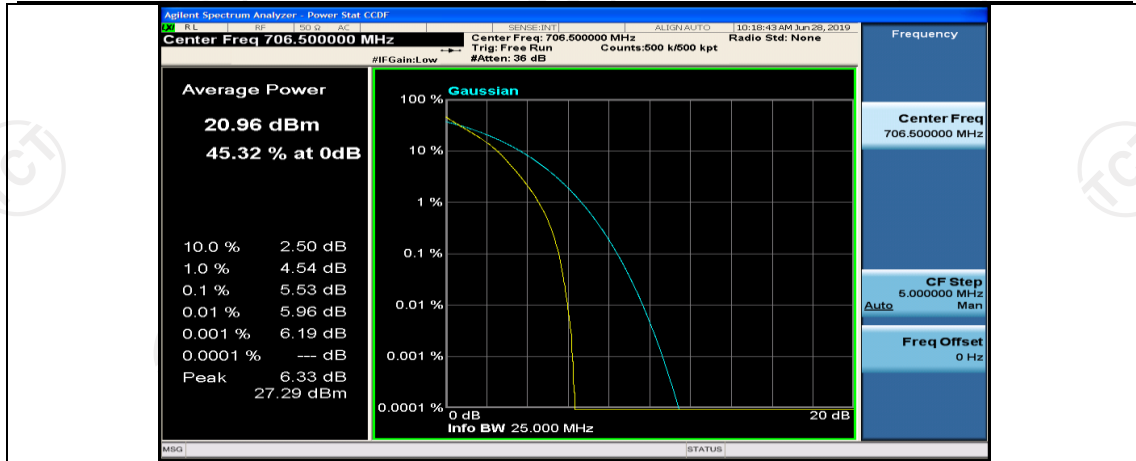
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



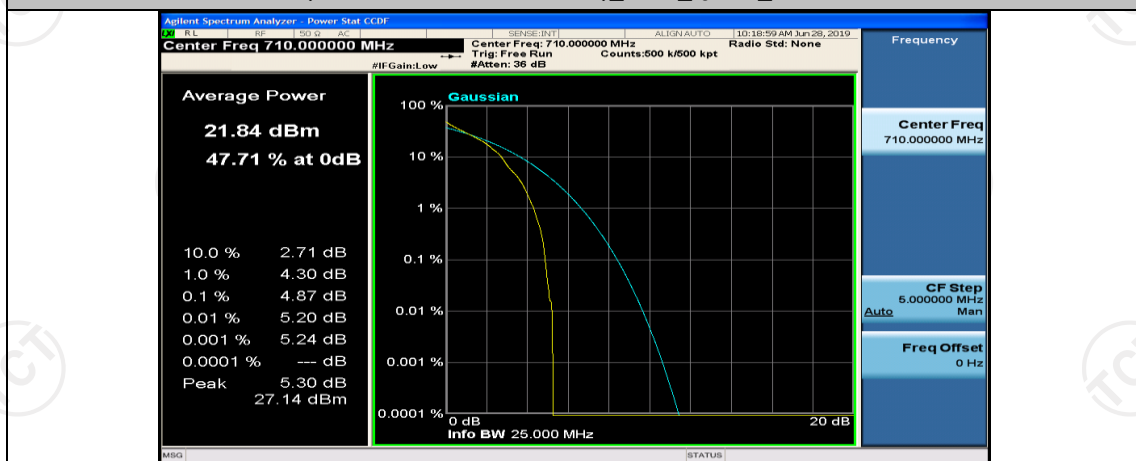
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



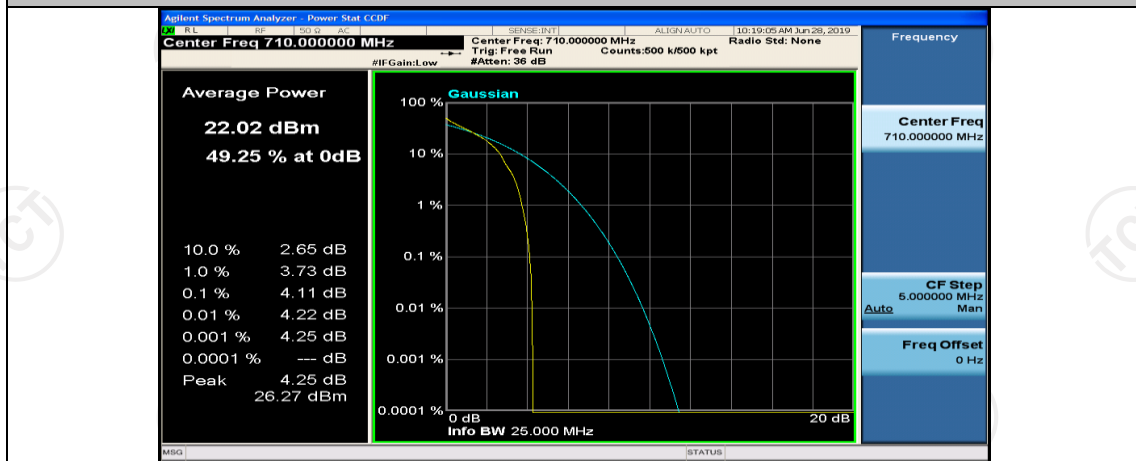
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



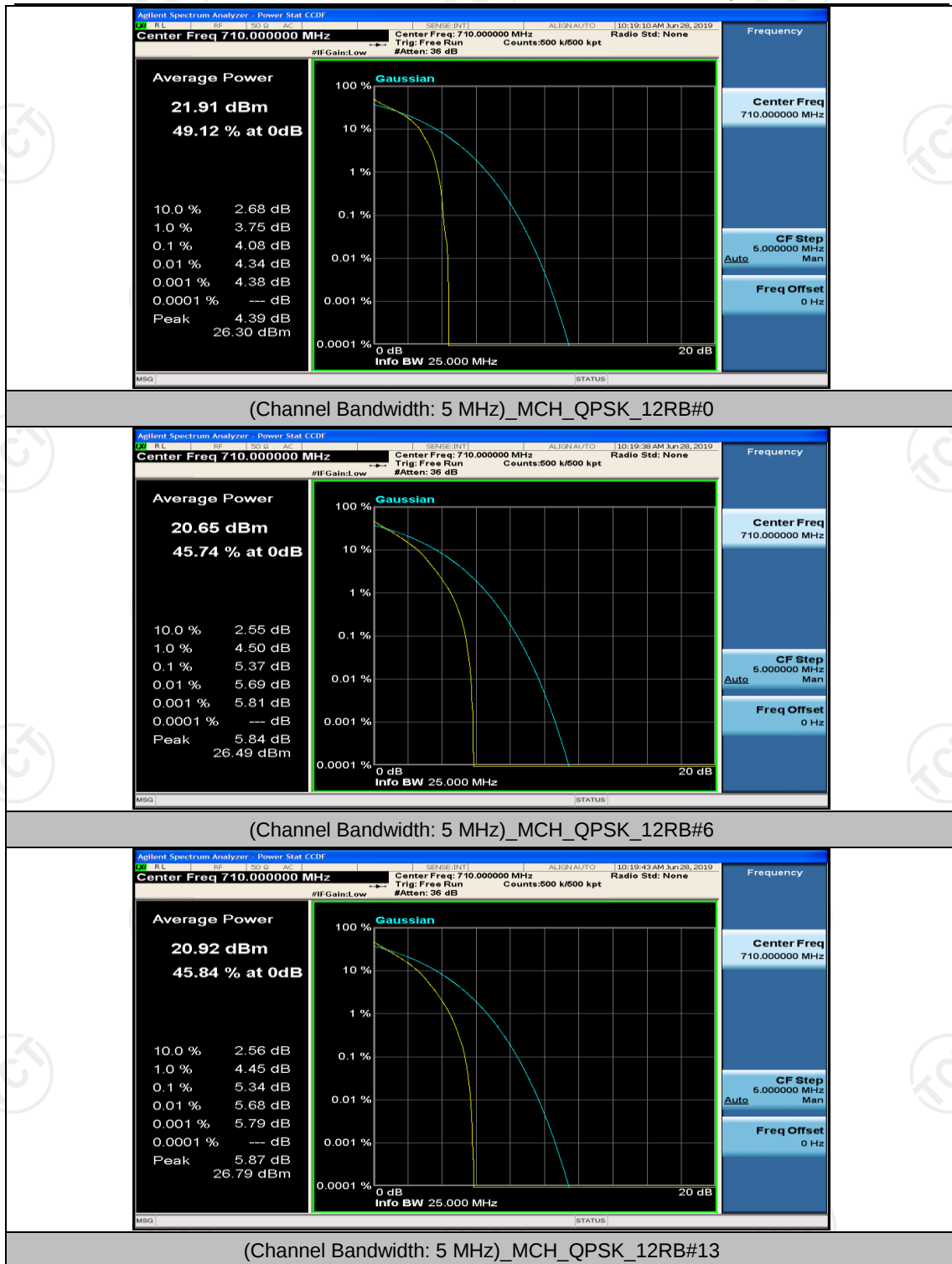
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

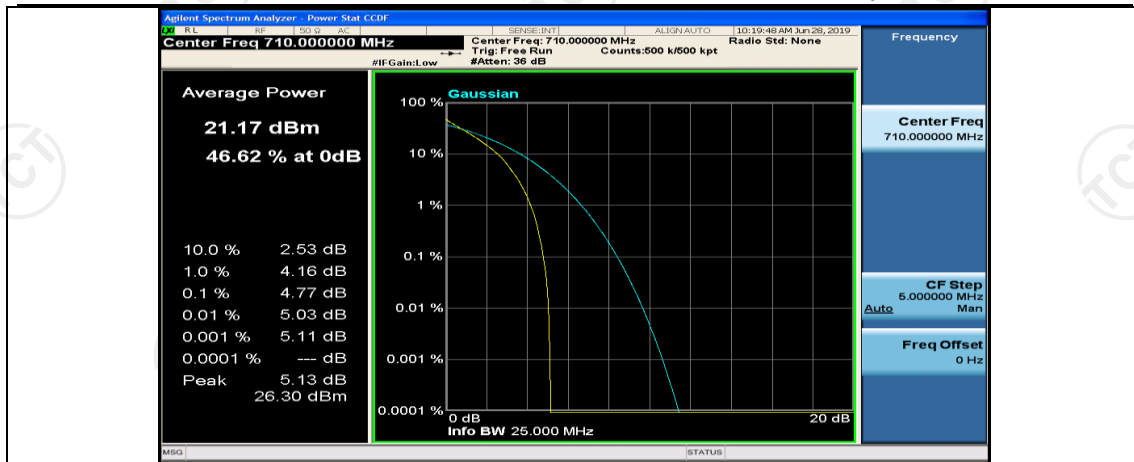


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

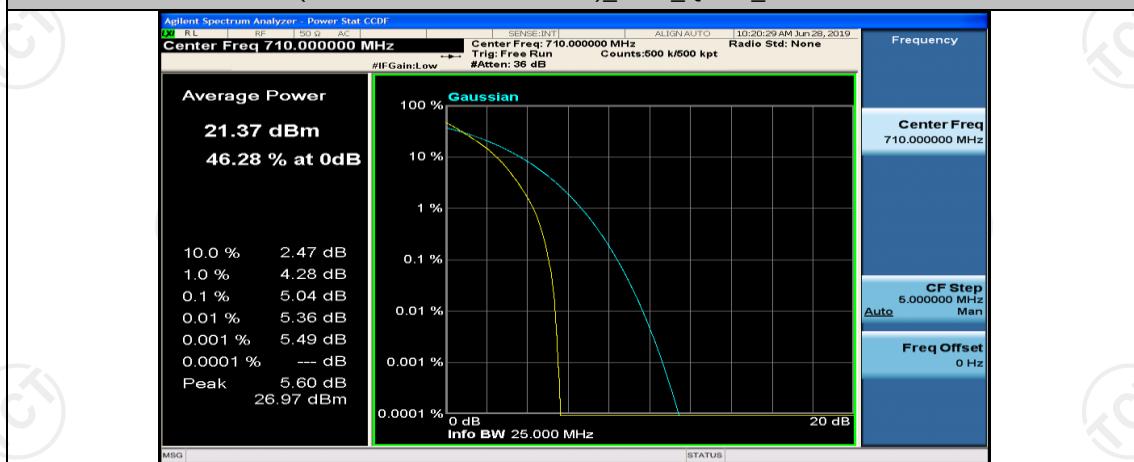


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

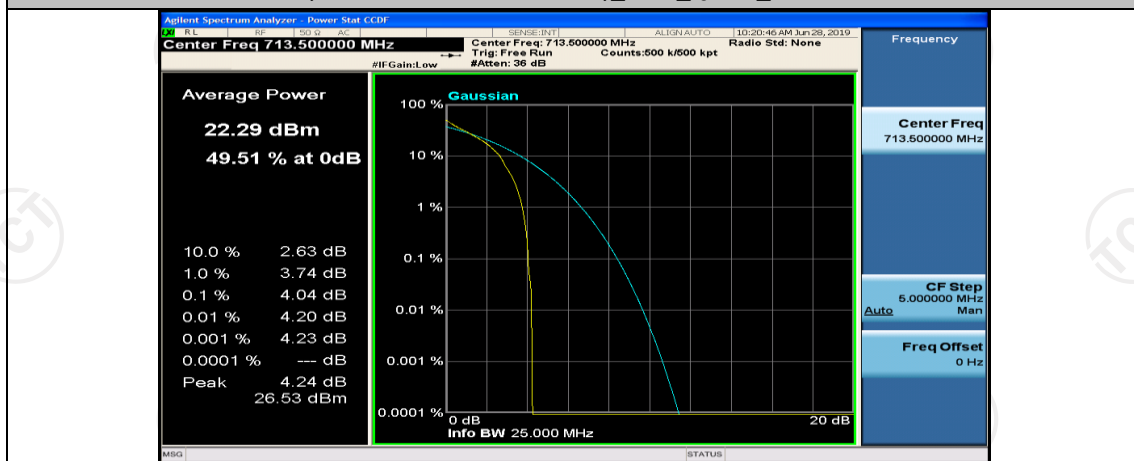




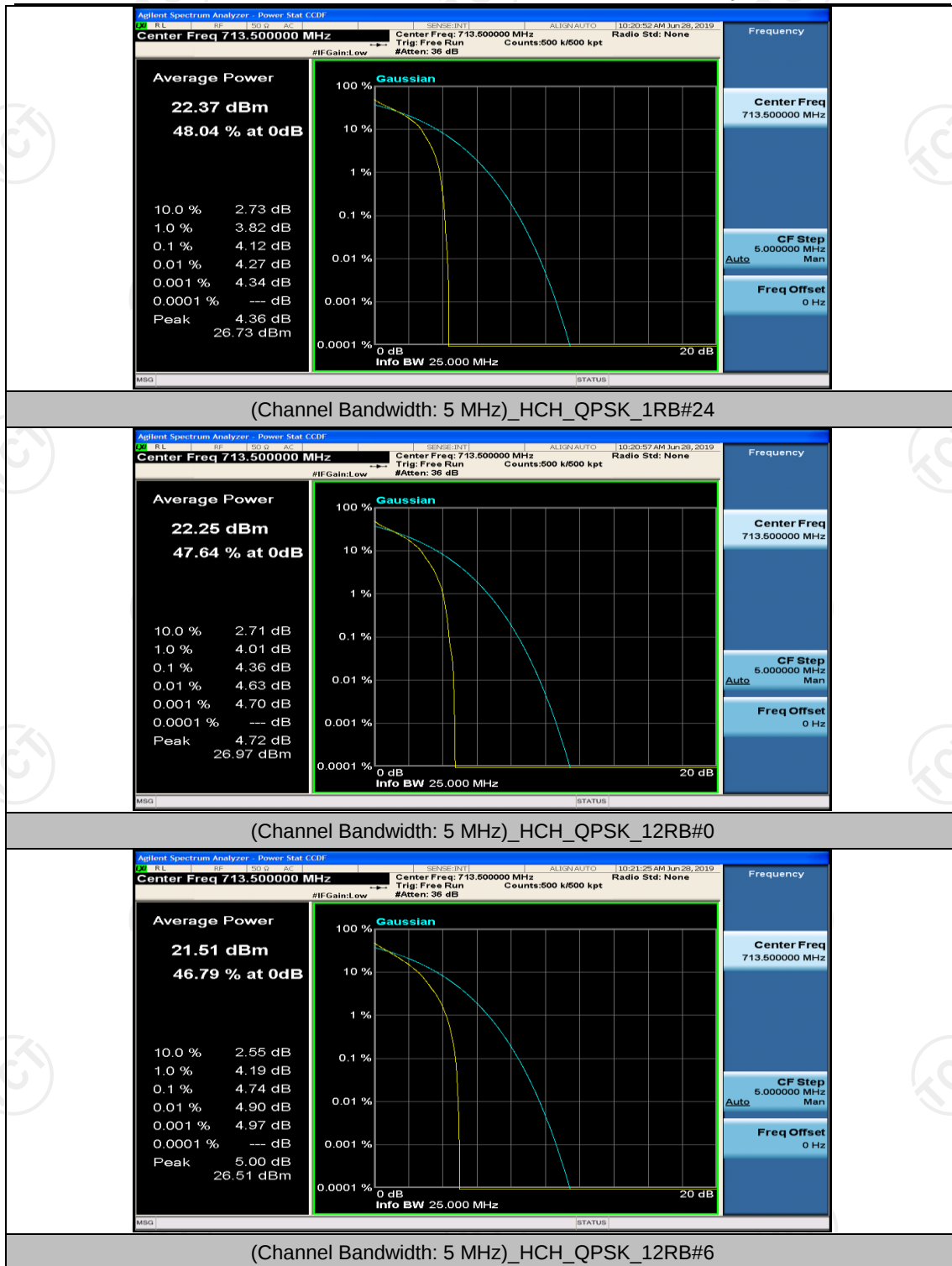
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

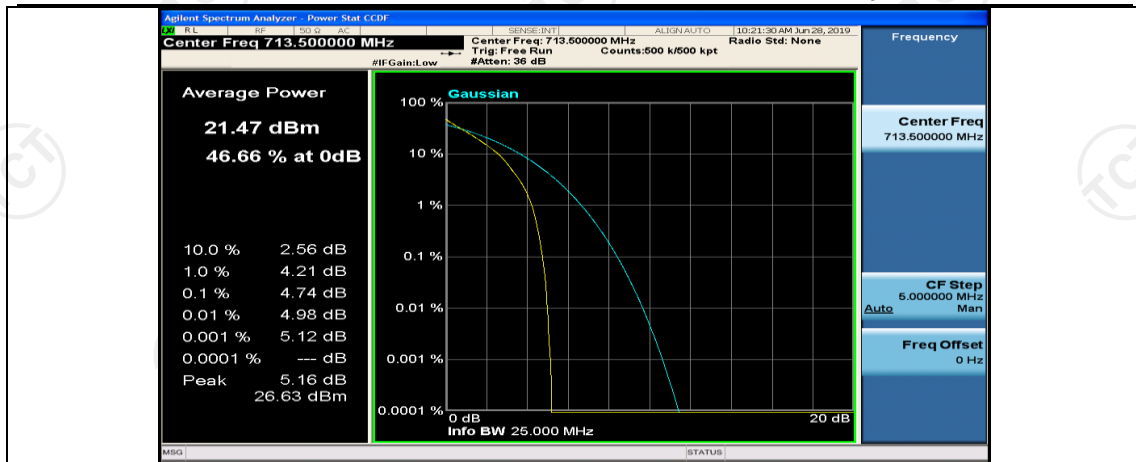


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

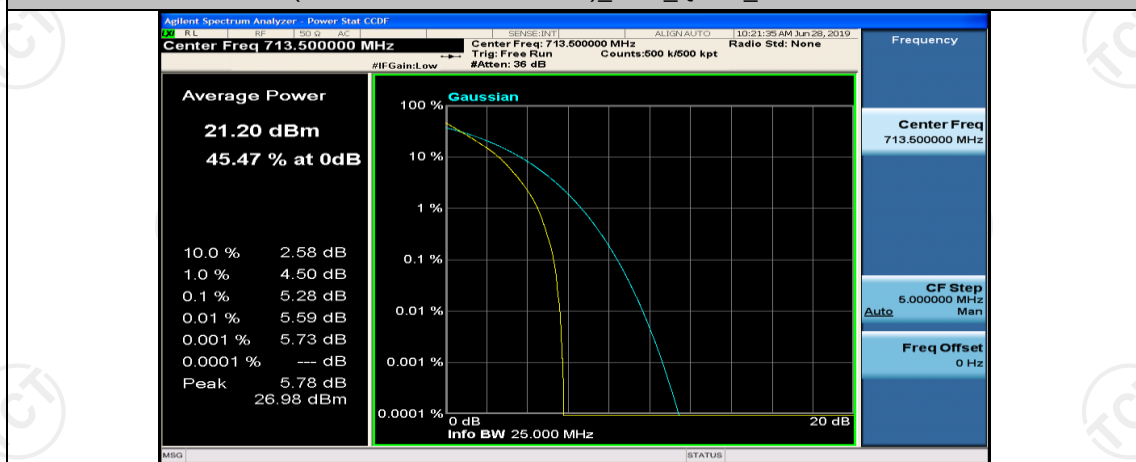


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

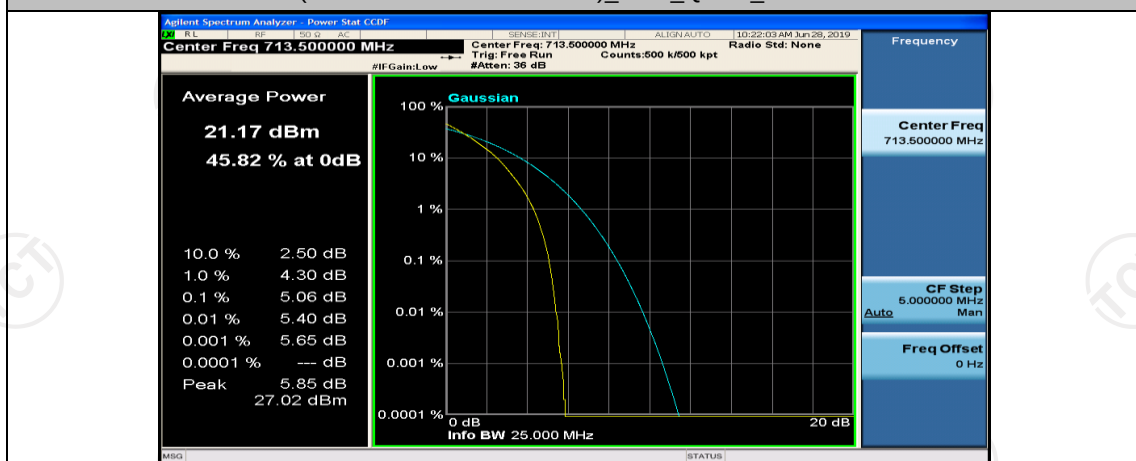




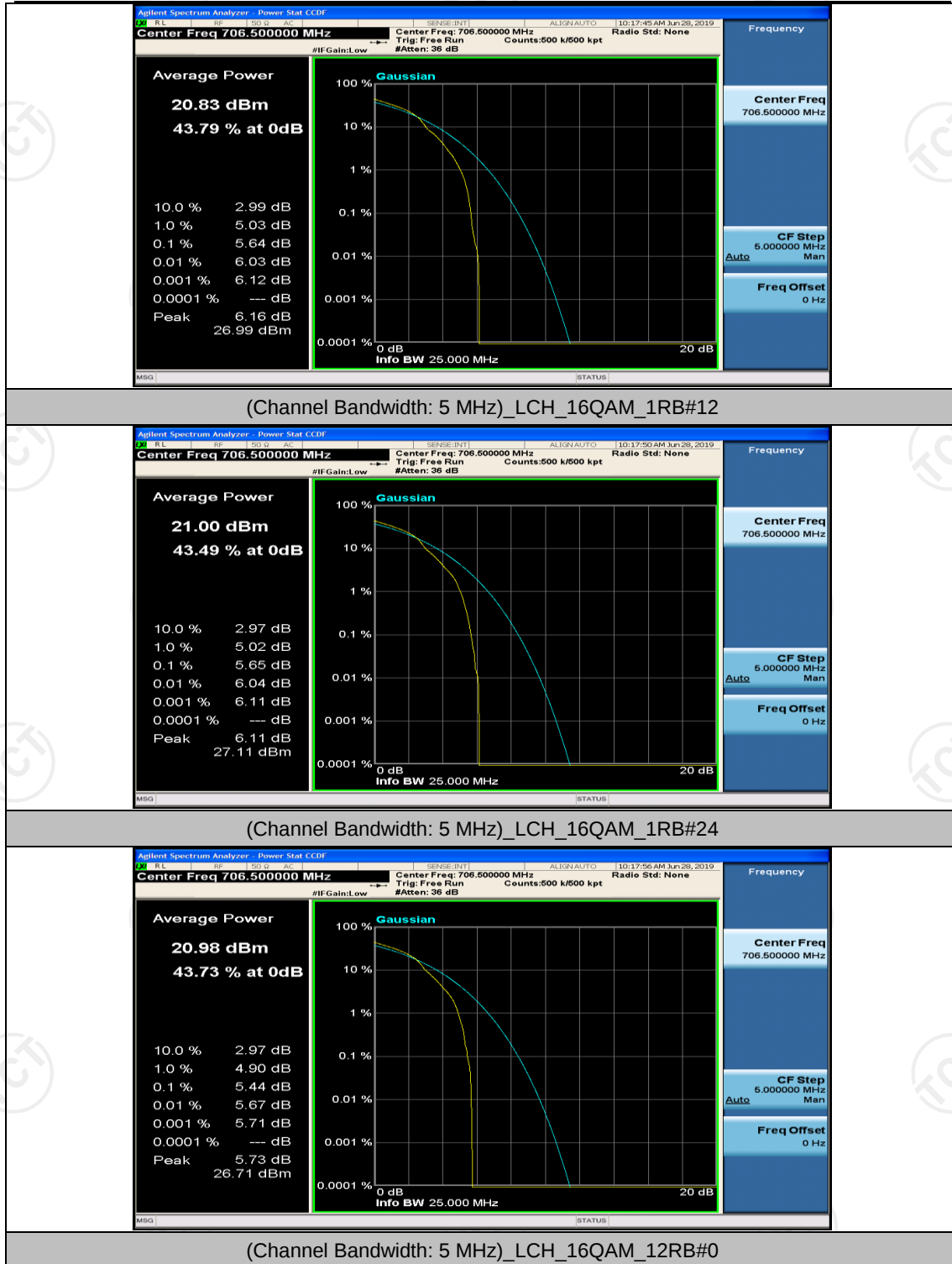
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

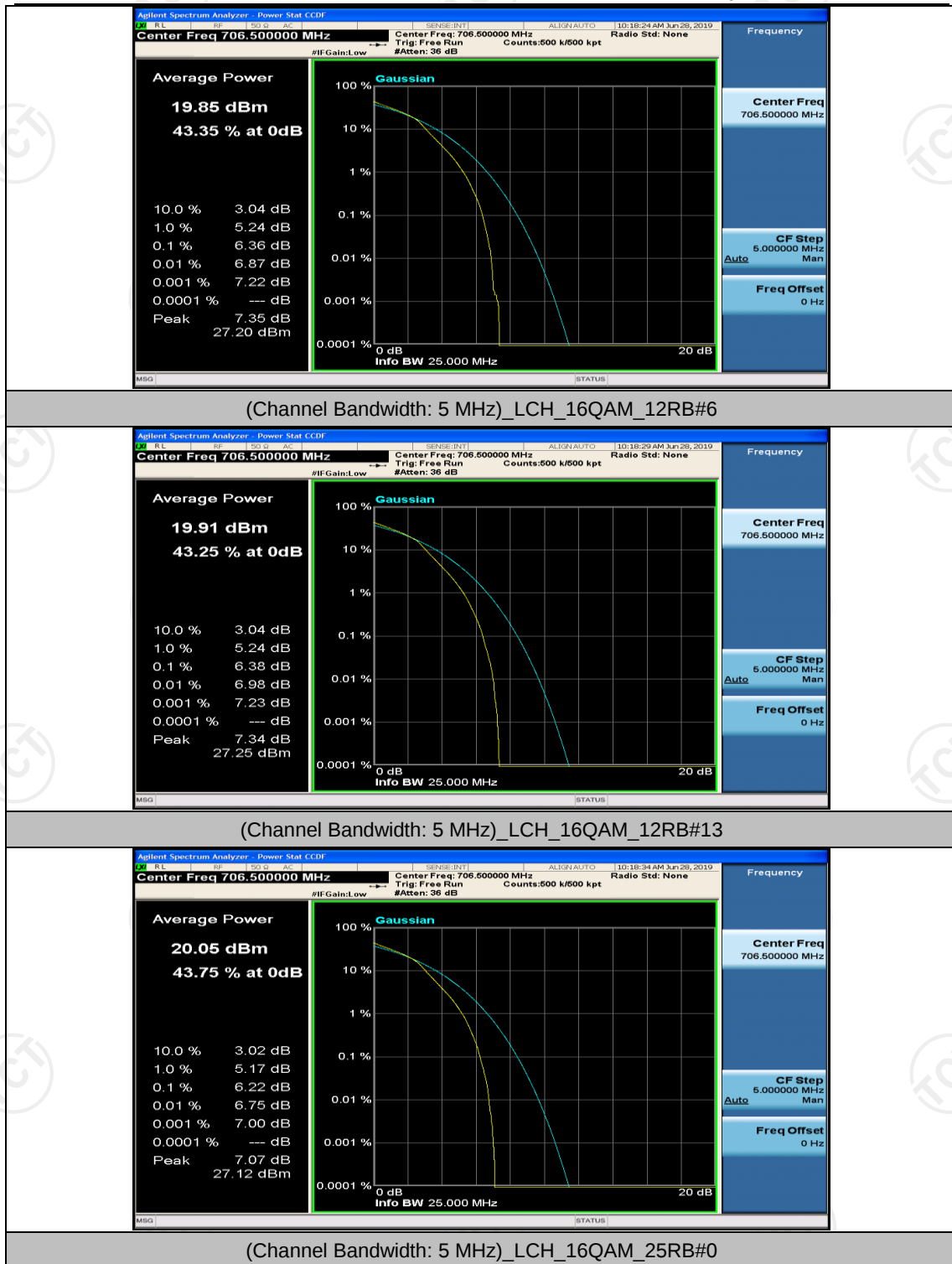


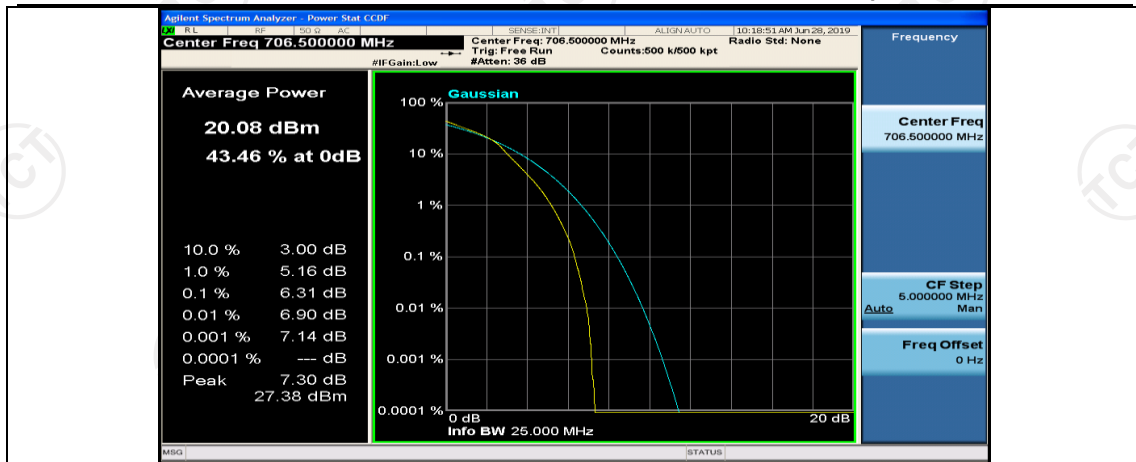
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



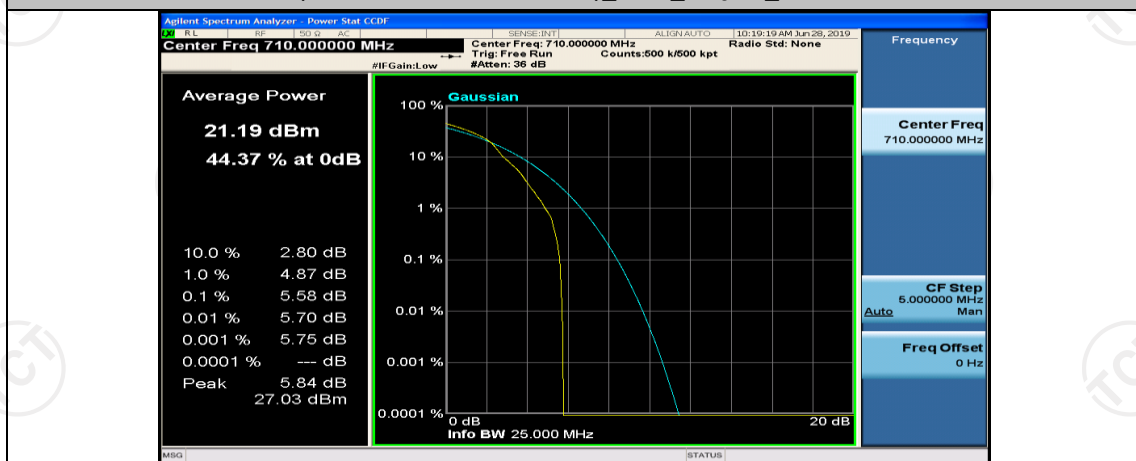
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



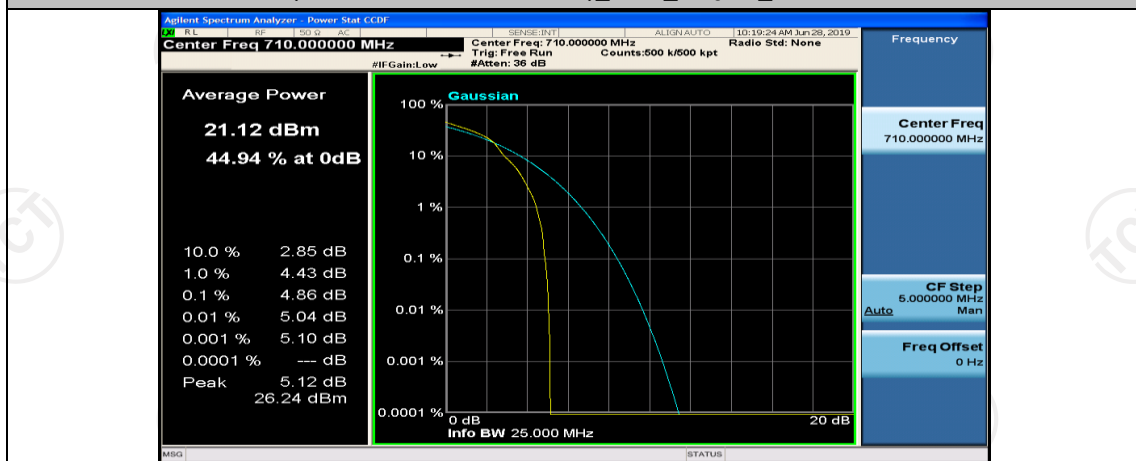




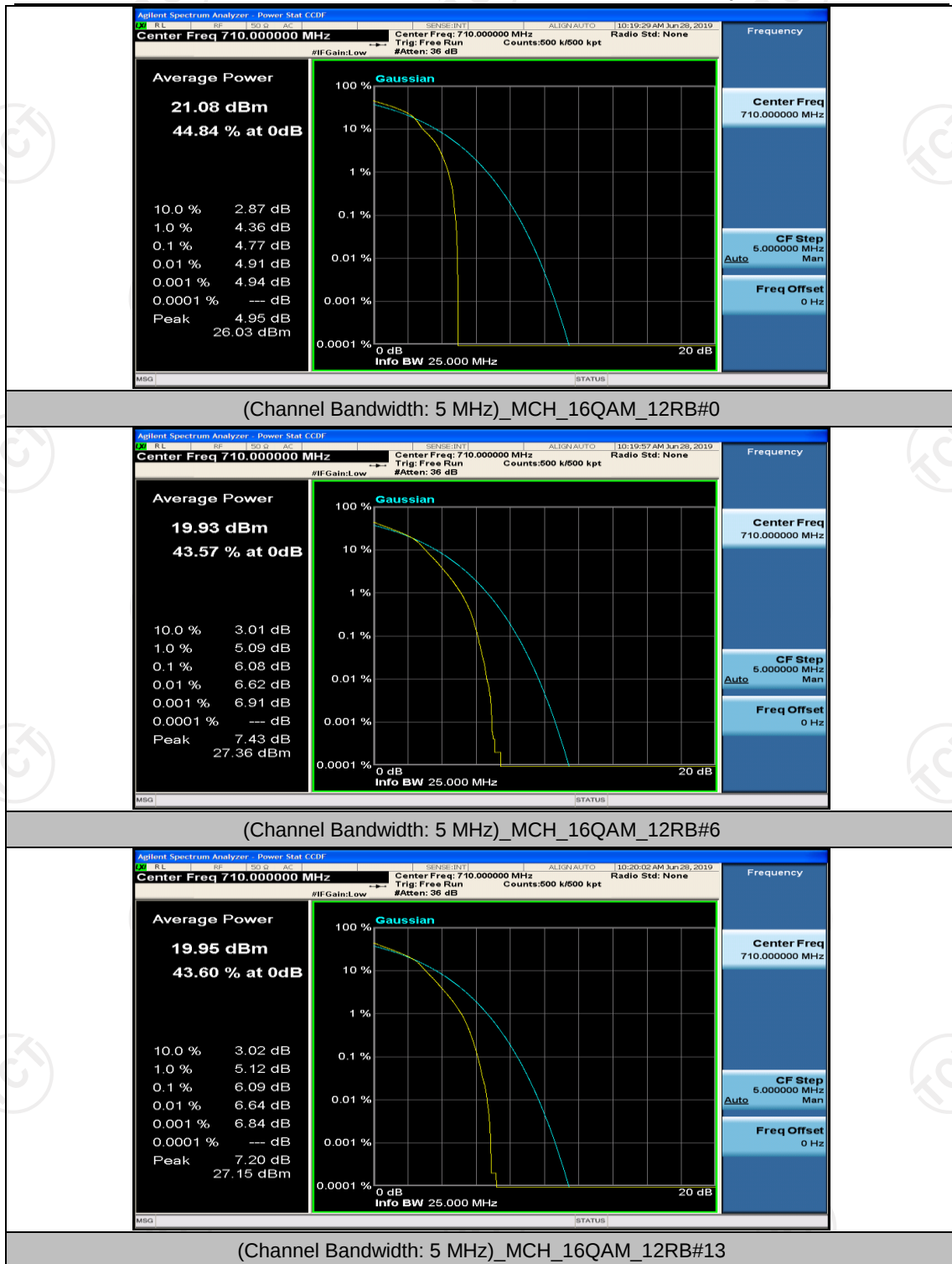
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

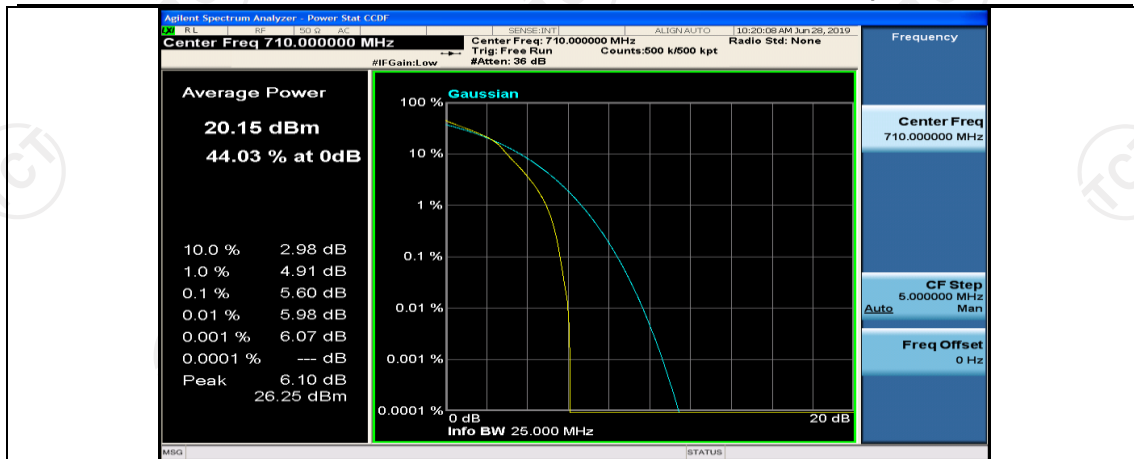


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

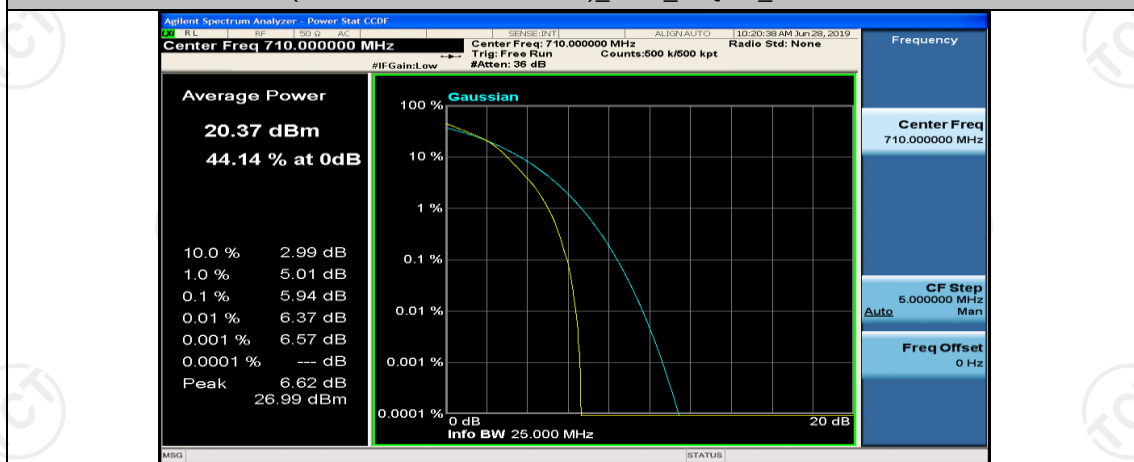


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

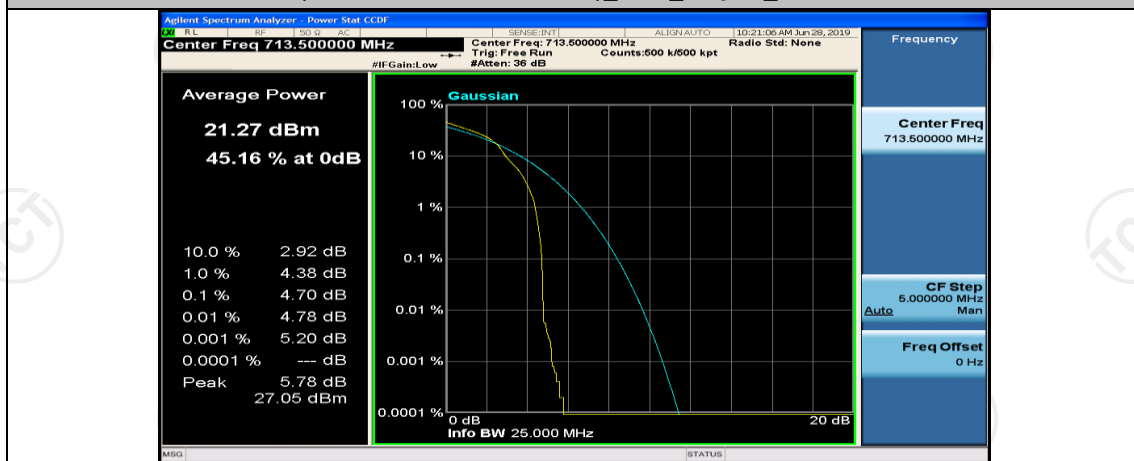




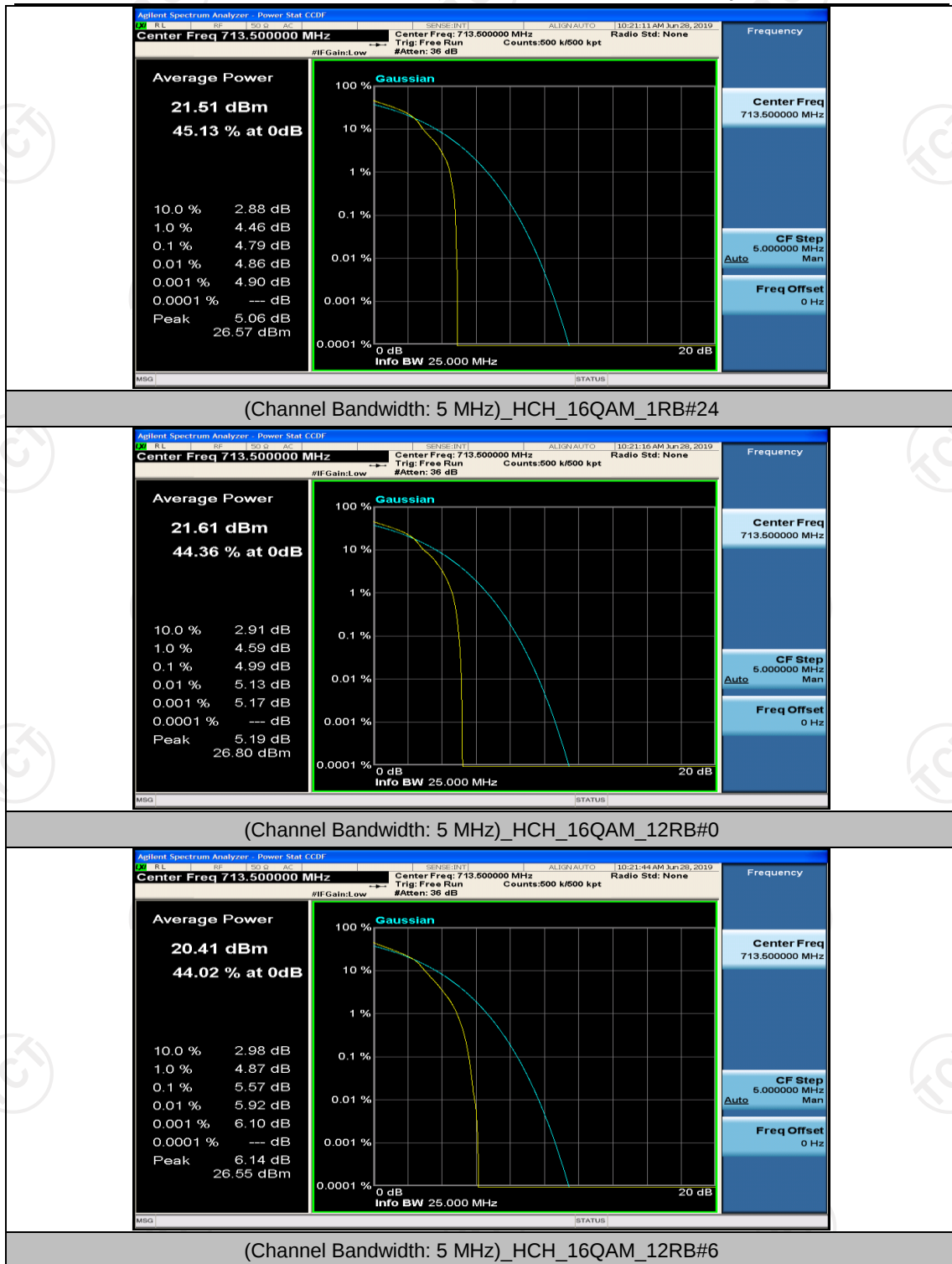
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

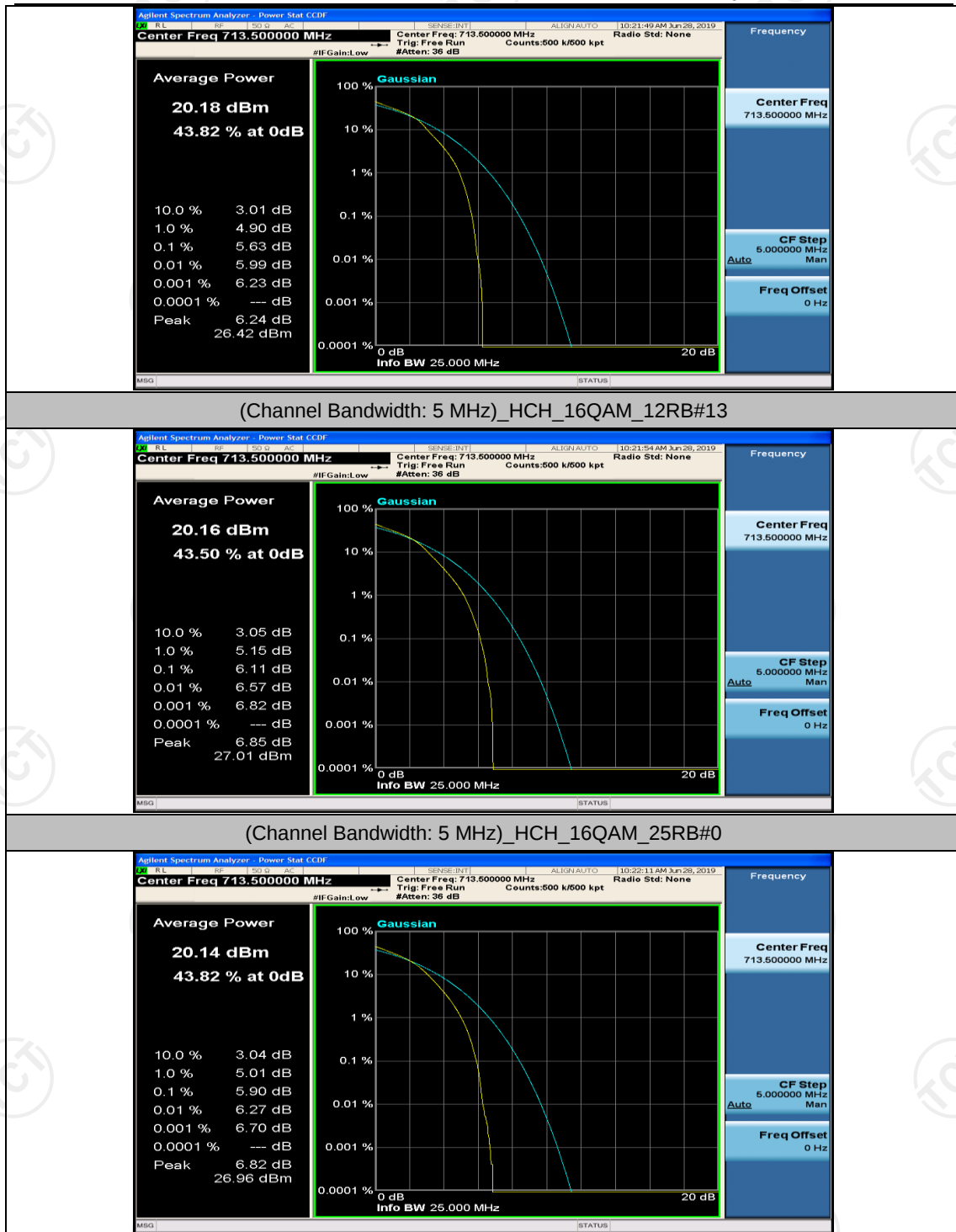


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



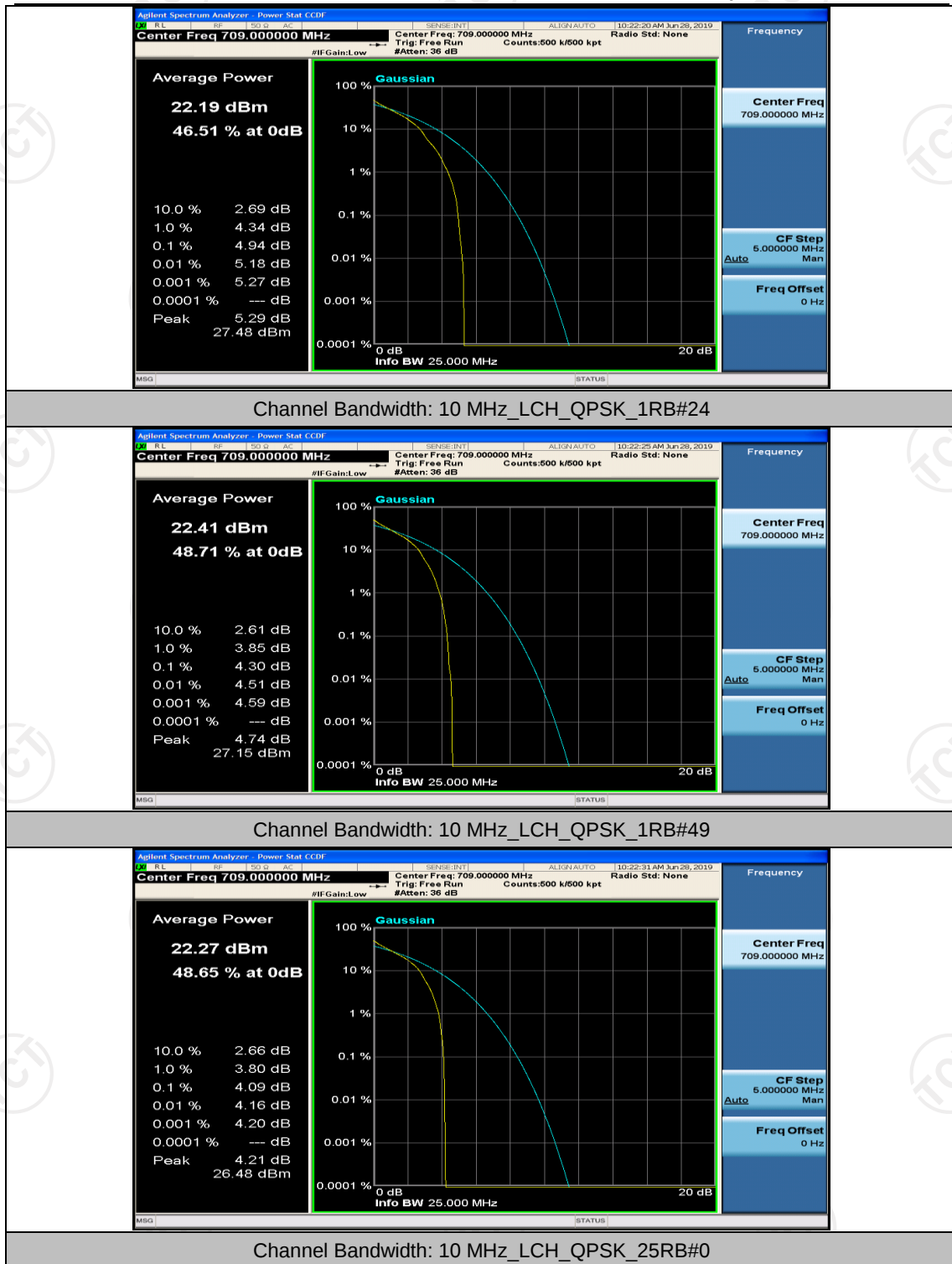
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

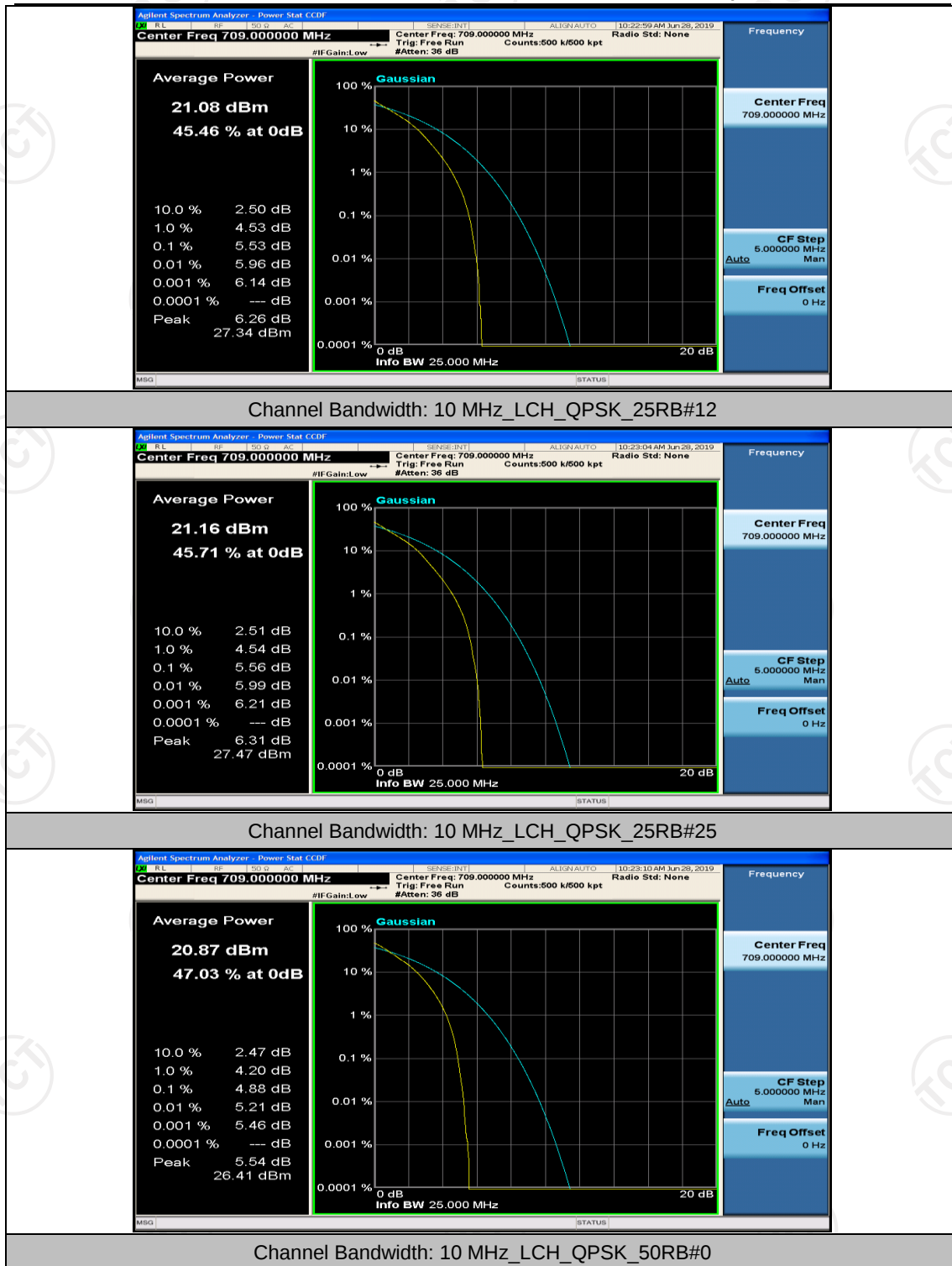


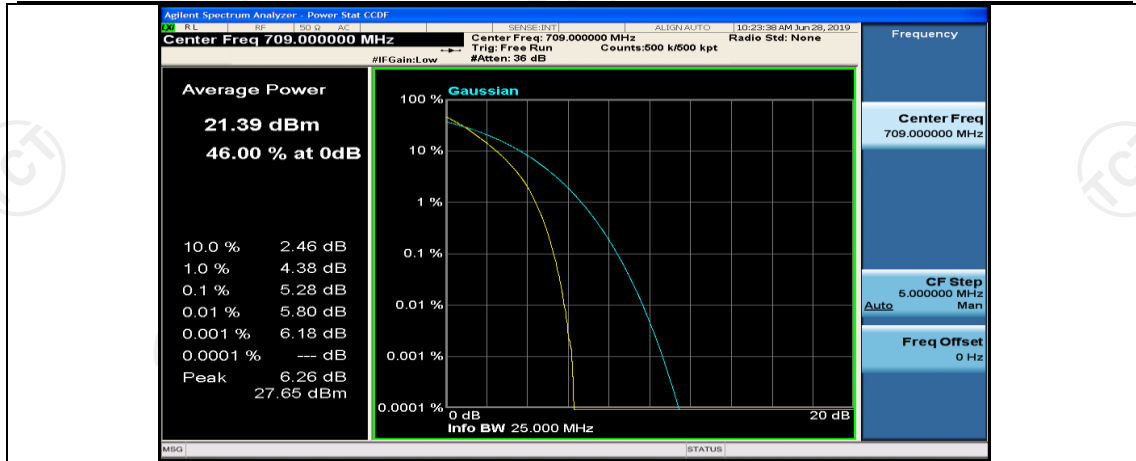


Channel Bandwidth: 10 MHz

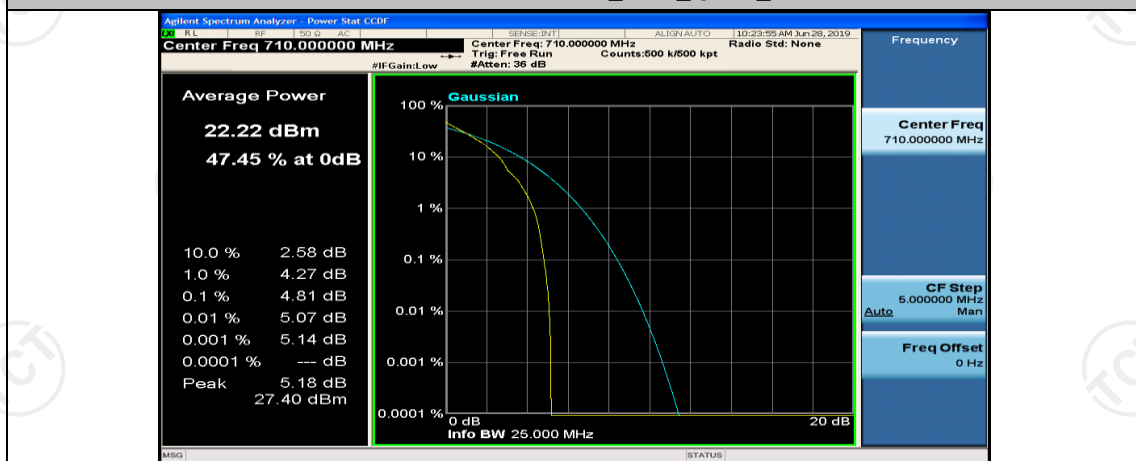
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



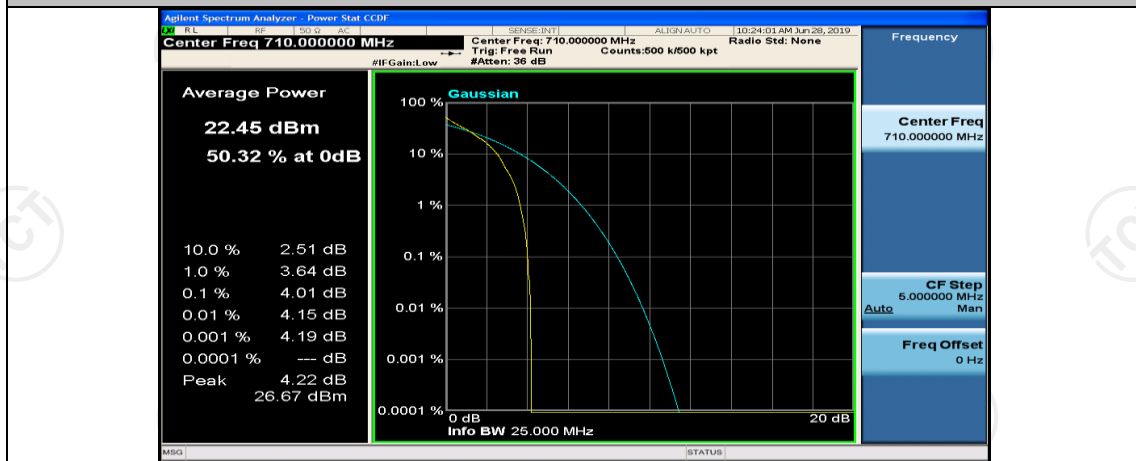




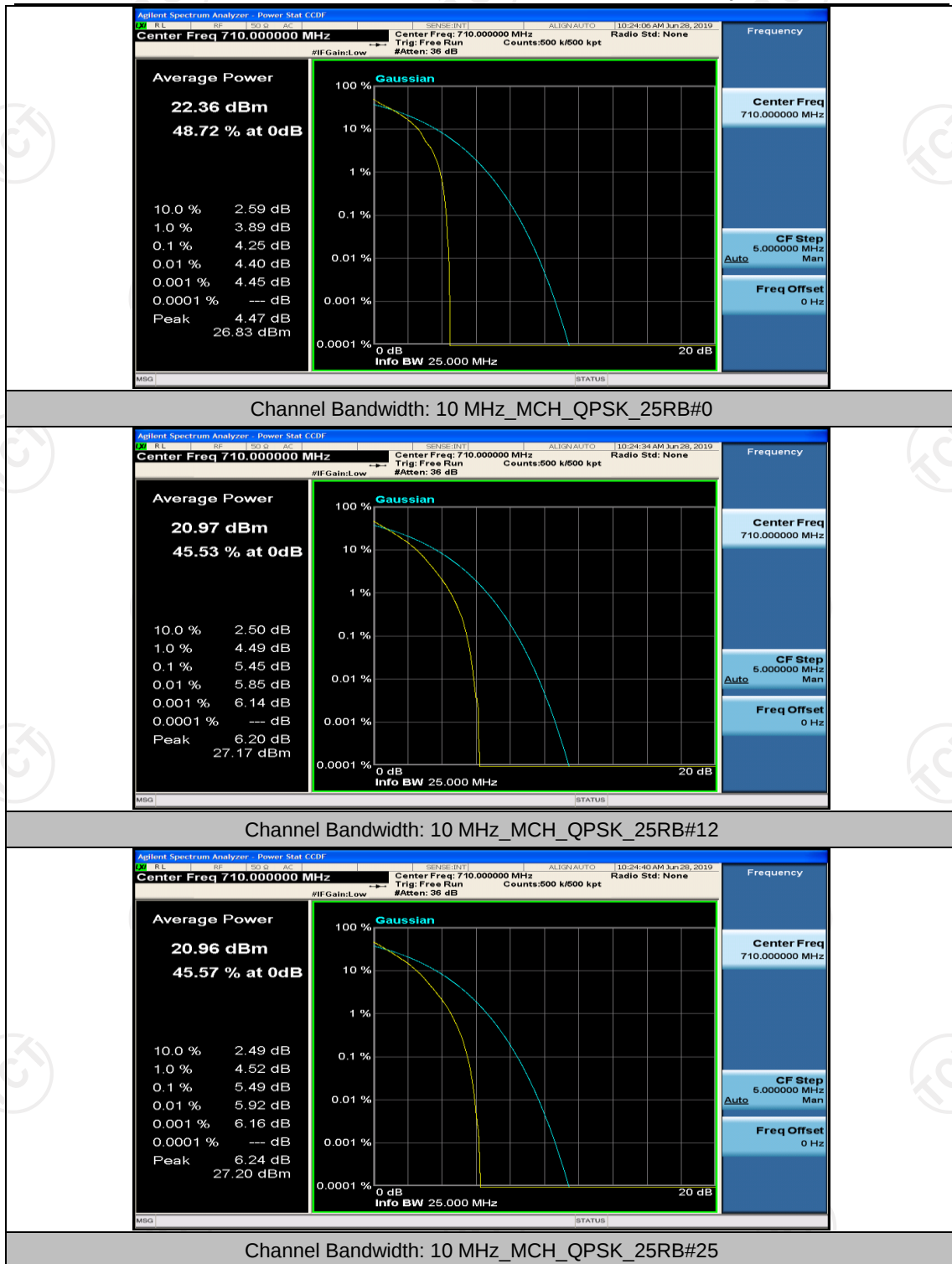
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

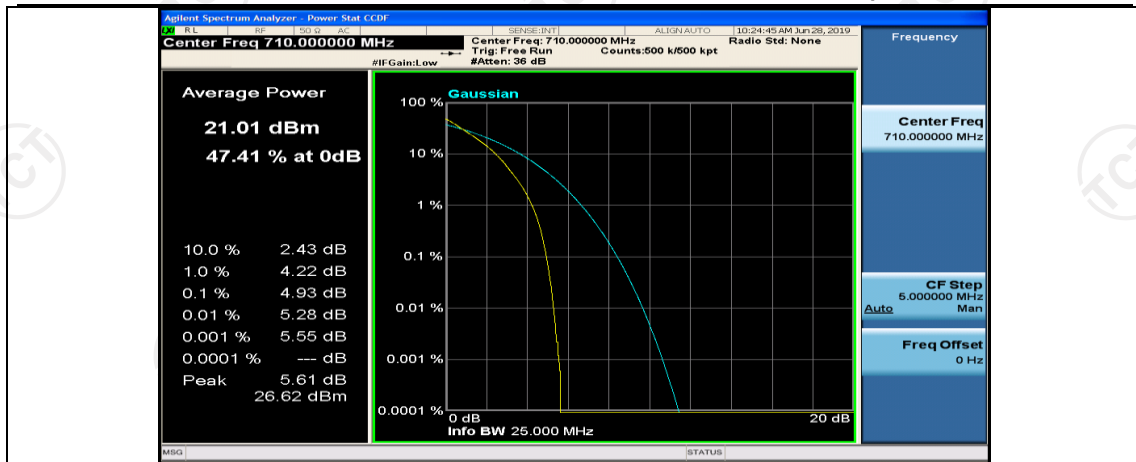


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

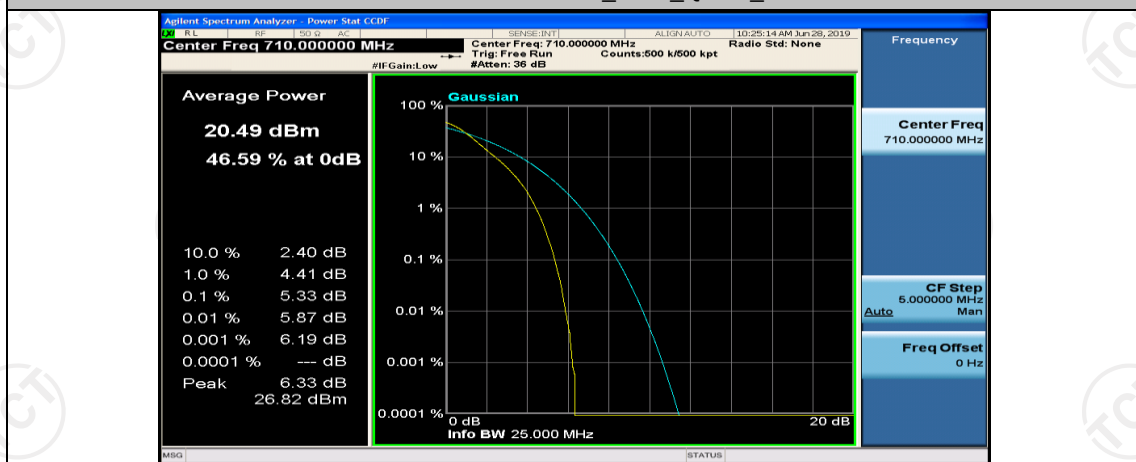


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

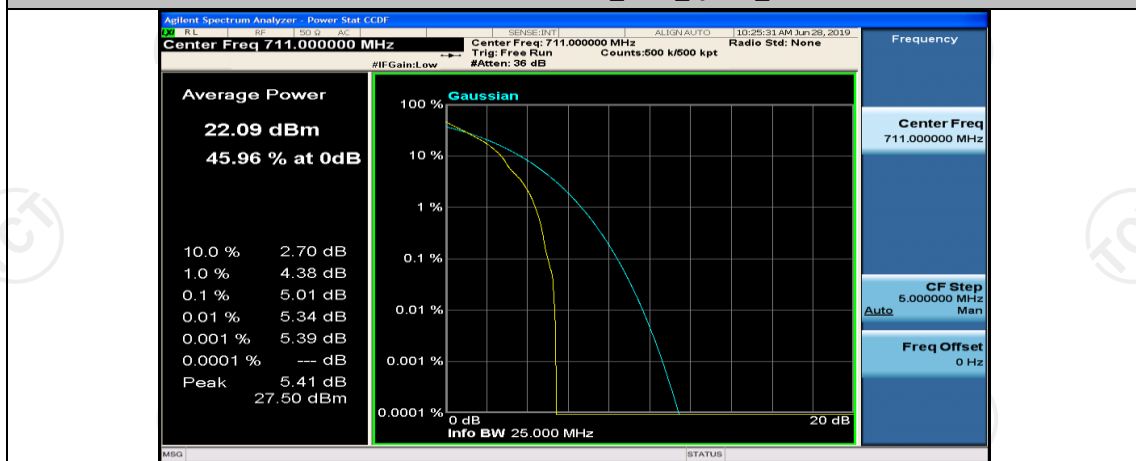




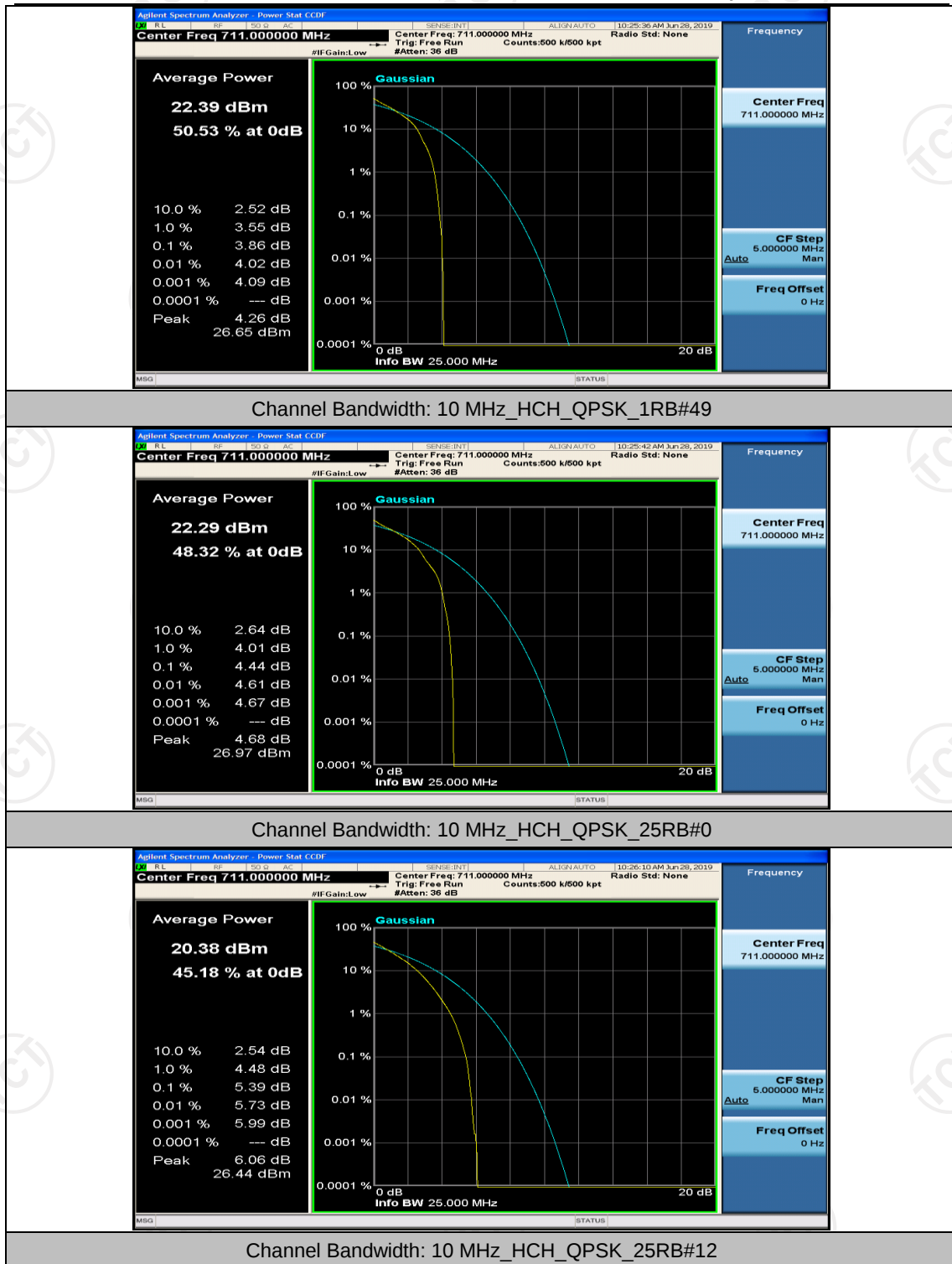
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

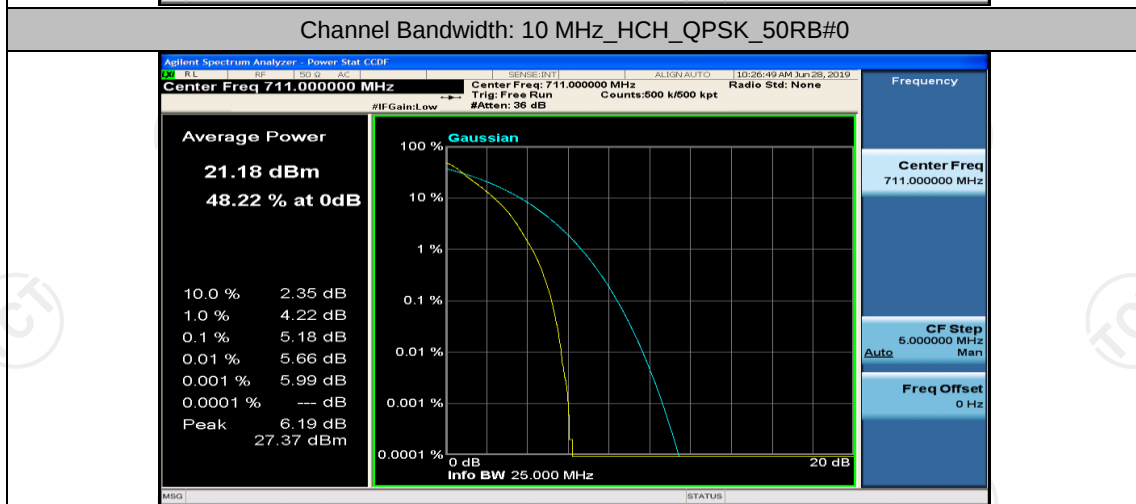
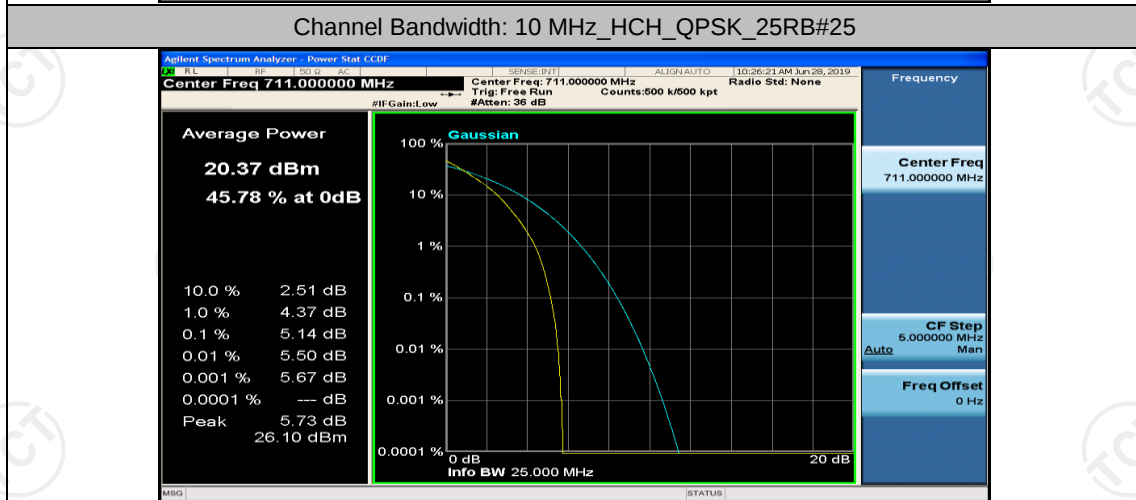
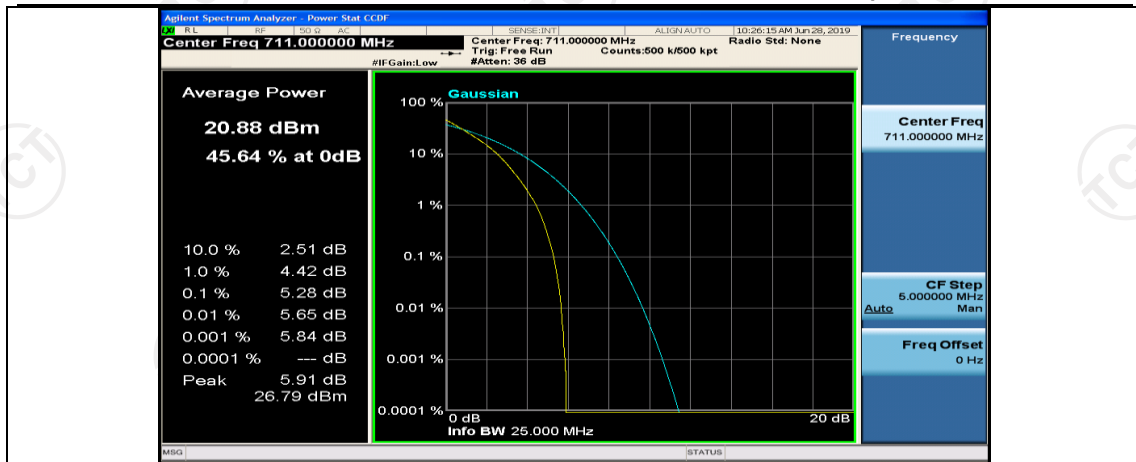


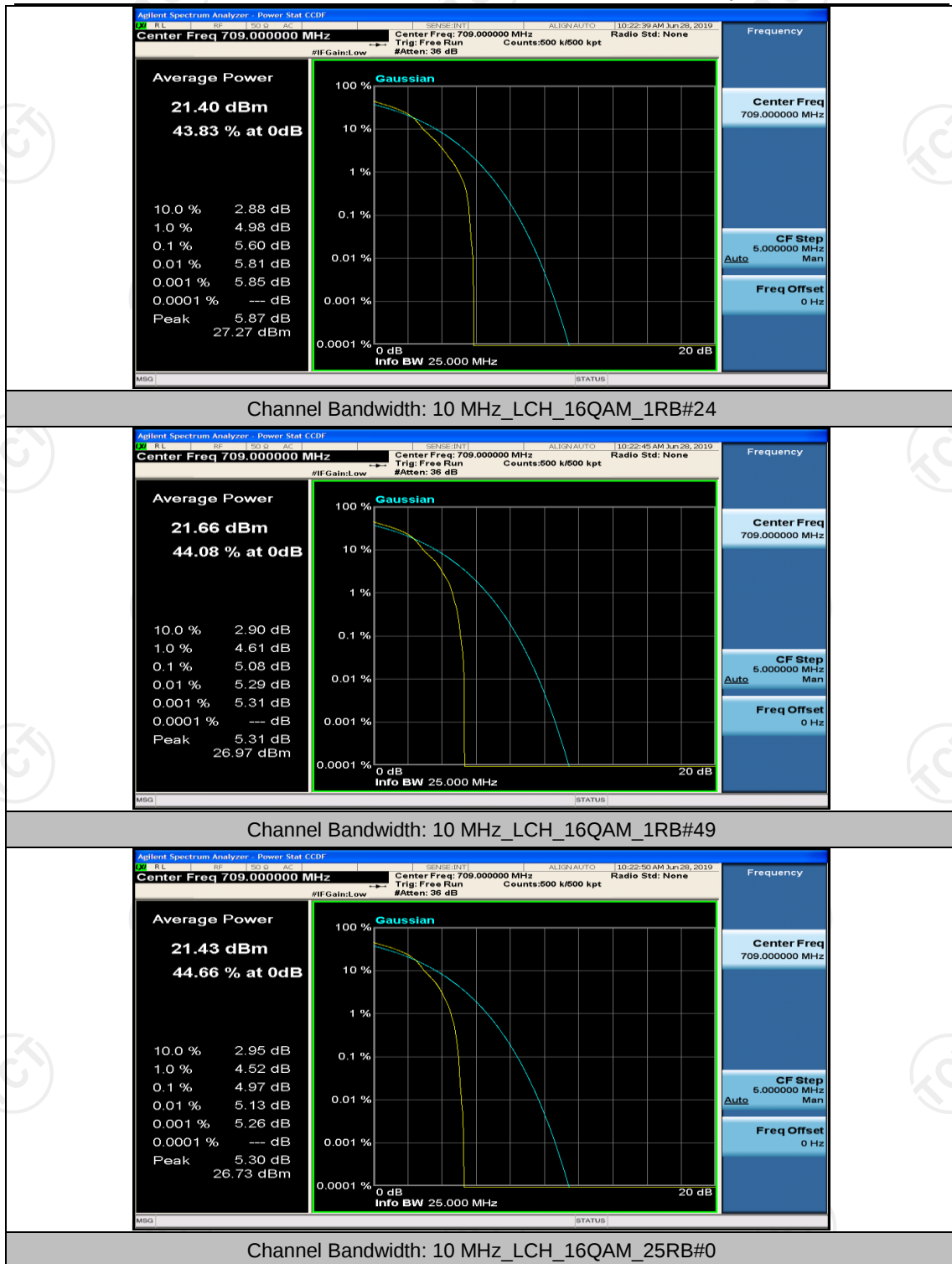
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

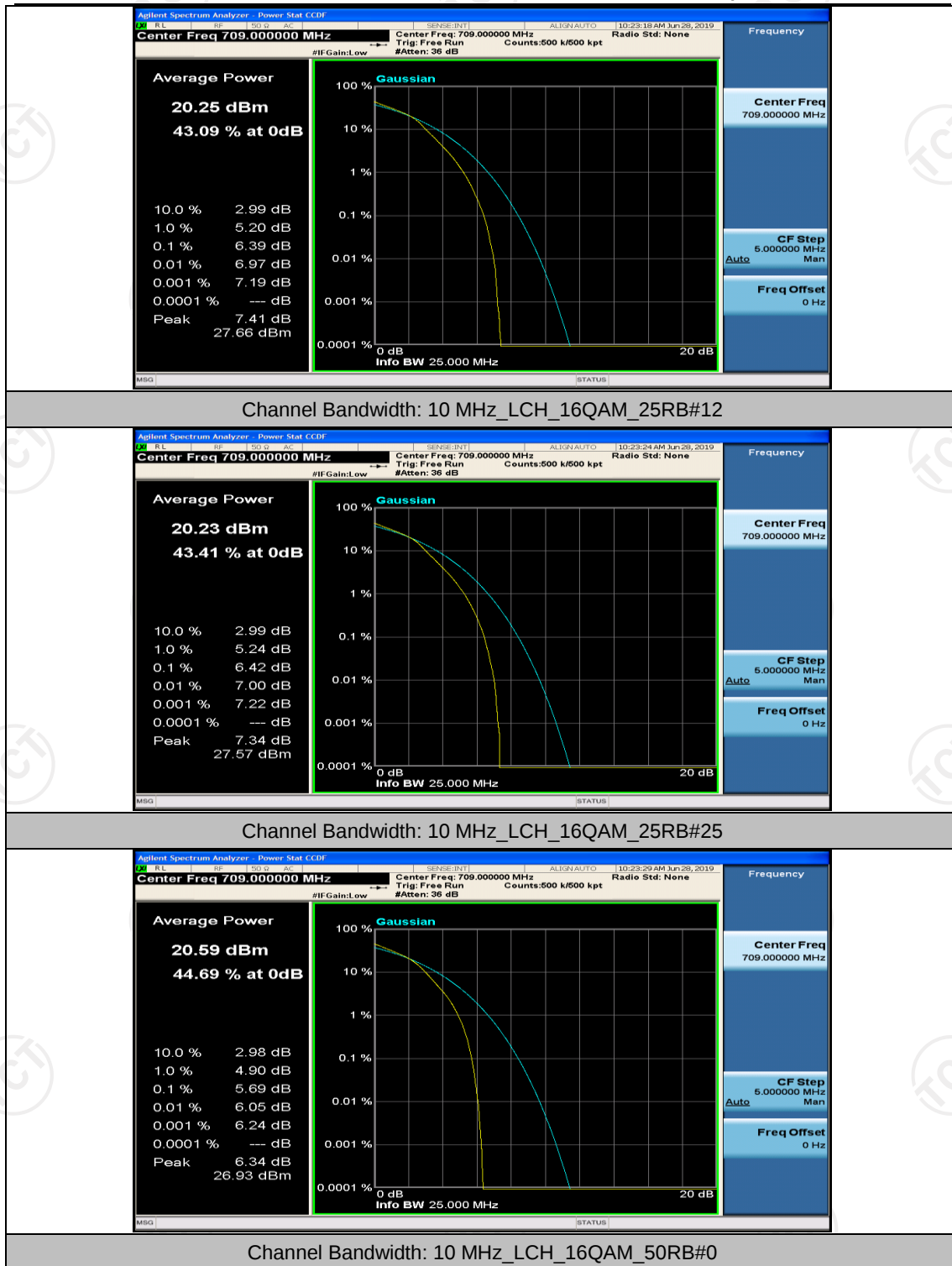


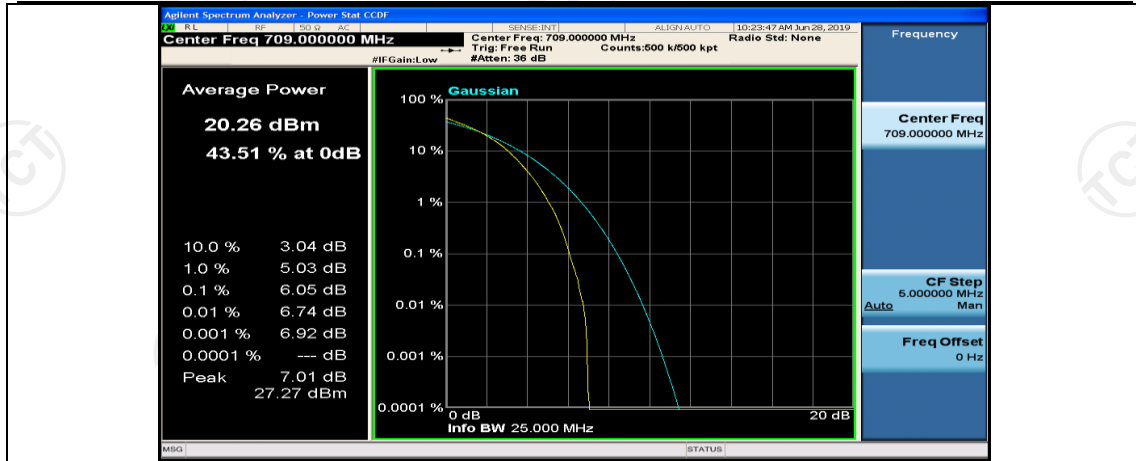
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



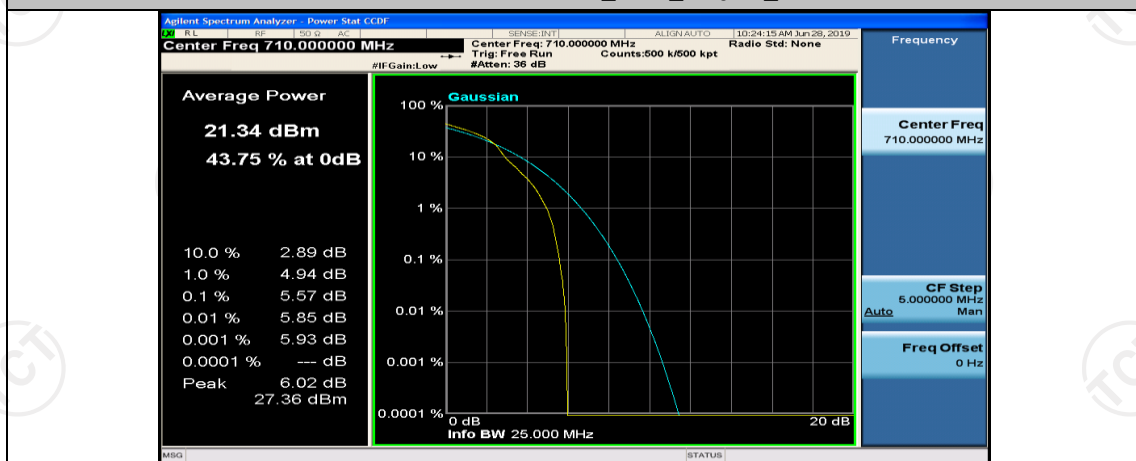




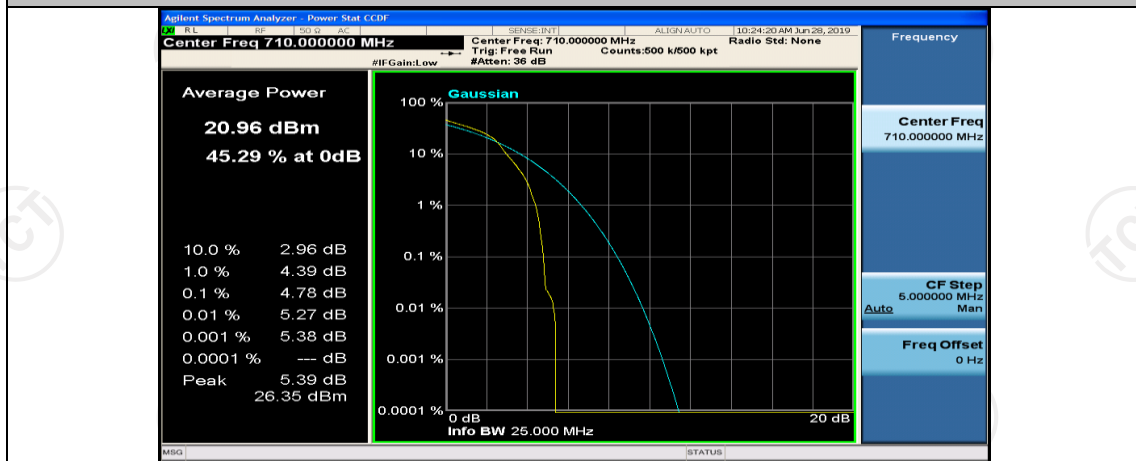




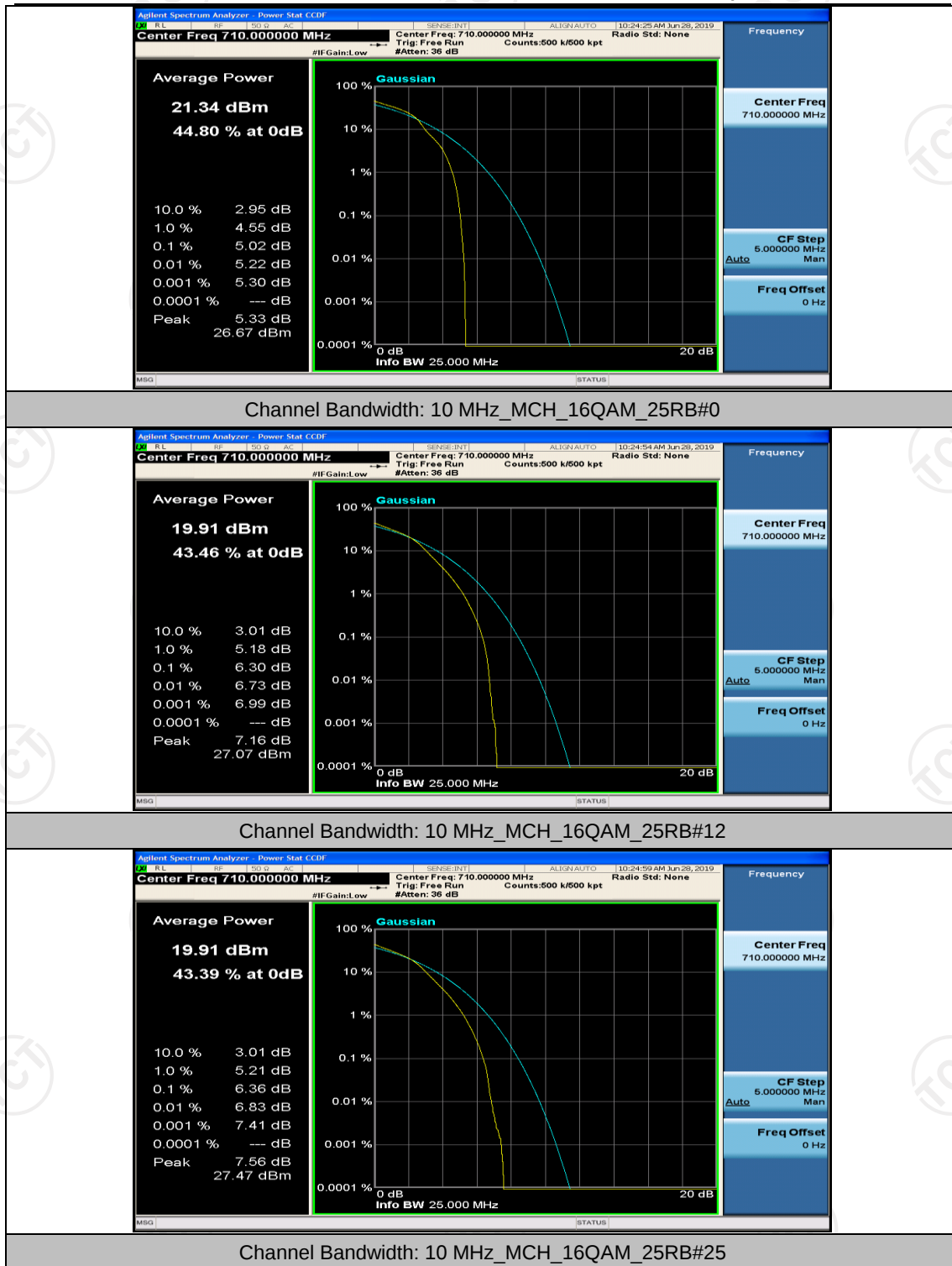
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

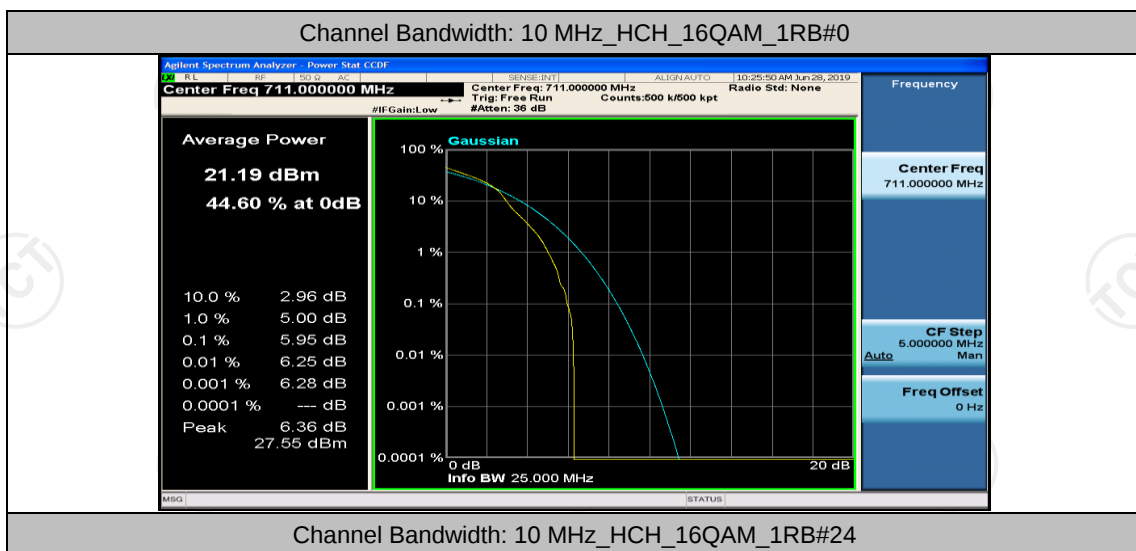
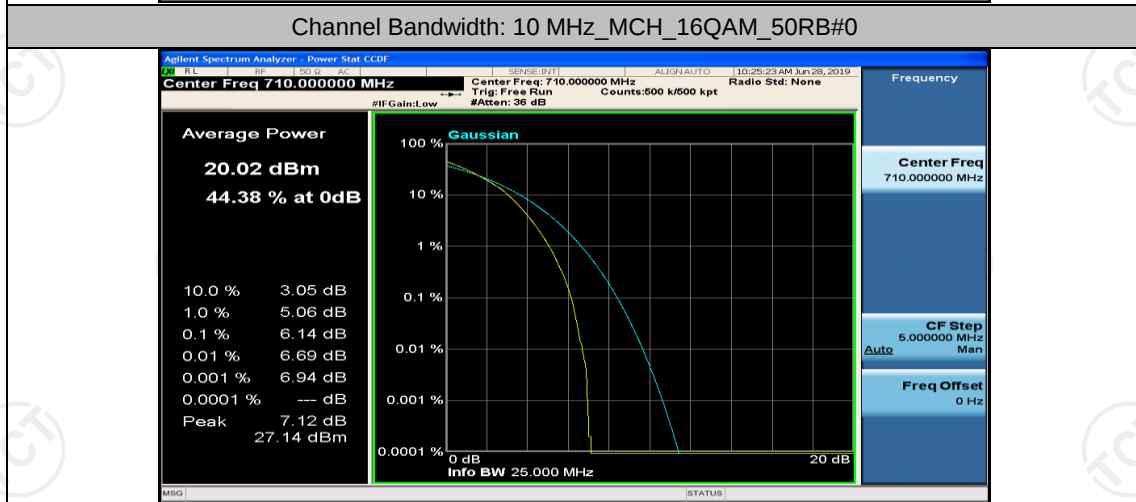
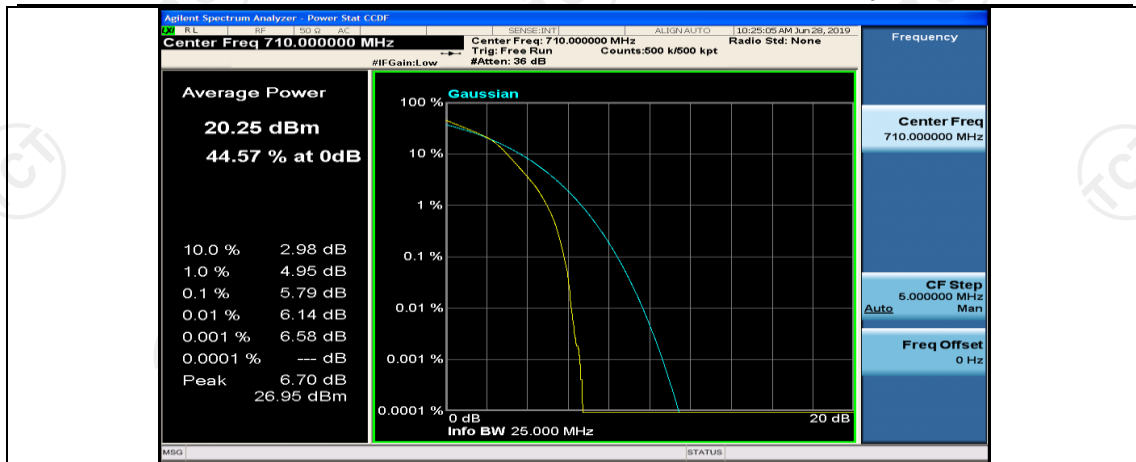


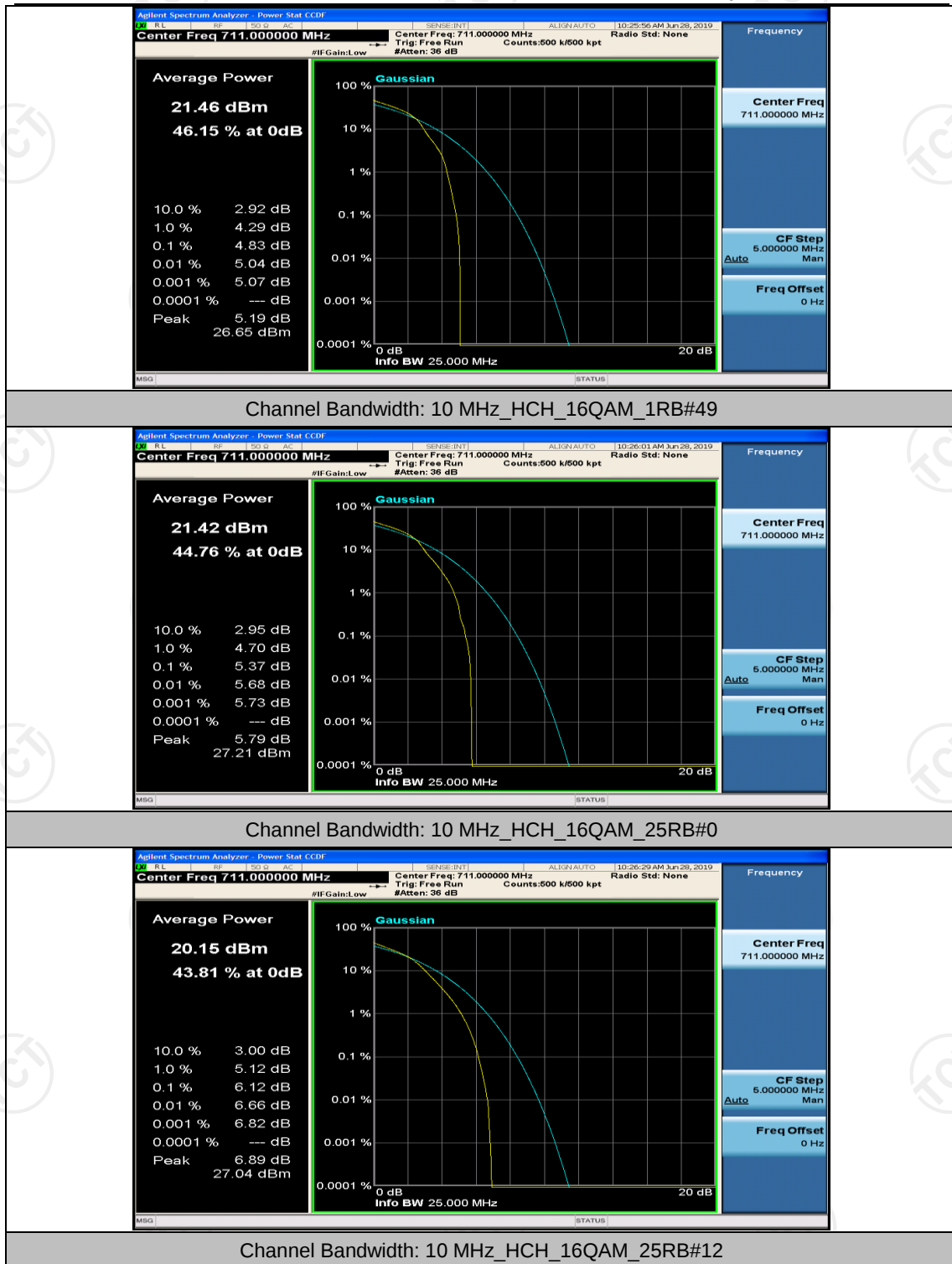
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

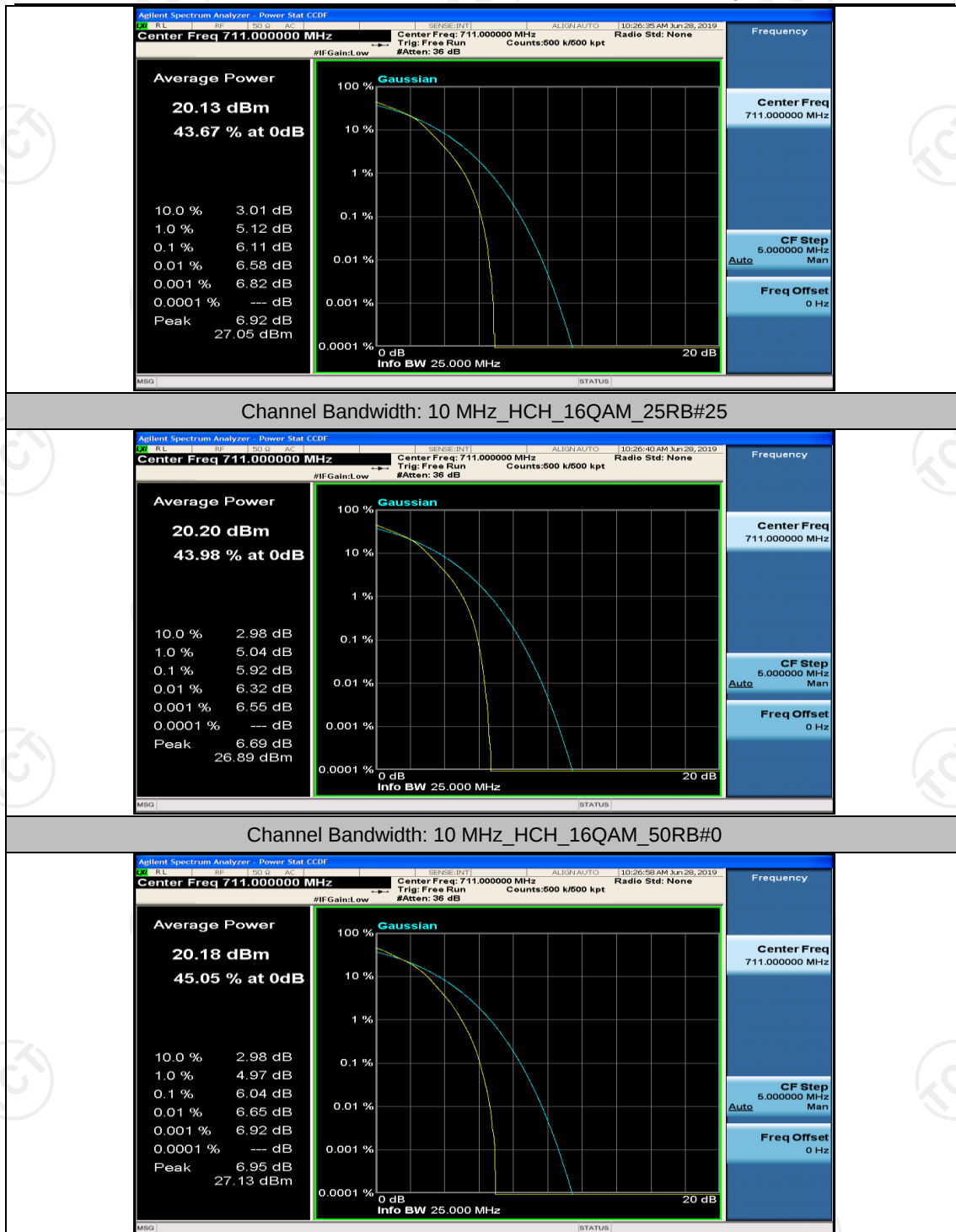


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









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	0.33243	0.5652	PASS
		1	12	0.34608	0.5909	PASS
		1	24	0.33338	0.5440	PASS
		12	0	2.1784	2.609	PASS
		12	6	2.1794	2.617	PASS
		12	13	2.1798	2.549	PASS
		25	0	4.4756	4.873	PASS
	MCH	1	0	0.34223	0.6153	PASS
		1	12	0.35660	0.5974	PASS
		1	24	0.33990	0.5742	PASS
		12	0	2.1749	2.586	PASS
		12	6	2.1732	2.547	PASS
		12	13	2.1707	2.566	PASS
		25	0	4.4824	4.801	PASS
	HCH	1	0	0.33334	0.5820	PASS
		1	12	0.36041	0.5909	PASS
		1	24	0.36210	0.6265	PASS
		12	0	2.1734	2.579	PASS
		12	6	2.1754	2.611	PASS
		12	13	2.1841	2.587	PASS
		25	0	4.4716	4.835	PASS
16QAM	LCH	1	0	0.33606	0.5739	PASS
		1	12	0.35884	0.5882	PASS
		1	24	0.33619	0.5564	PASS
		12	0	2.1743	2.535	PASS
		12	6	2.1759	2.572	PASS
		12	13	2.1746	2.531	PASS
		25	0	4.4835	4.915	PASS
	MCH	1	0	0.37775	0.6004	PASS

		1	12	0.40060	0.6136	PASS
		1	24	0.37402	0.5960	PASS
		12	0	2.1812	2.605	PASS
		12	6	2.1786	2.557	PASS
		12	13	2.1754	2.564	PASS
		25	0	4.4720	4.862	PASS
		25	0	4.4666	4.802	PASS
	HCH	1	0	0.35320	0.5779	PASS
		1	12	0.37971	0.6087	PASS
		1	24	0.37125	0.5616	PASS
		12	0	2.1792	2.604	PASS
		12	6	2.1775	2.583	PASS
		12	13	2.1805	2.604	PASS
		25	0	4.4666	4.802	PASS

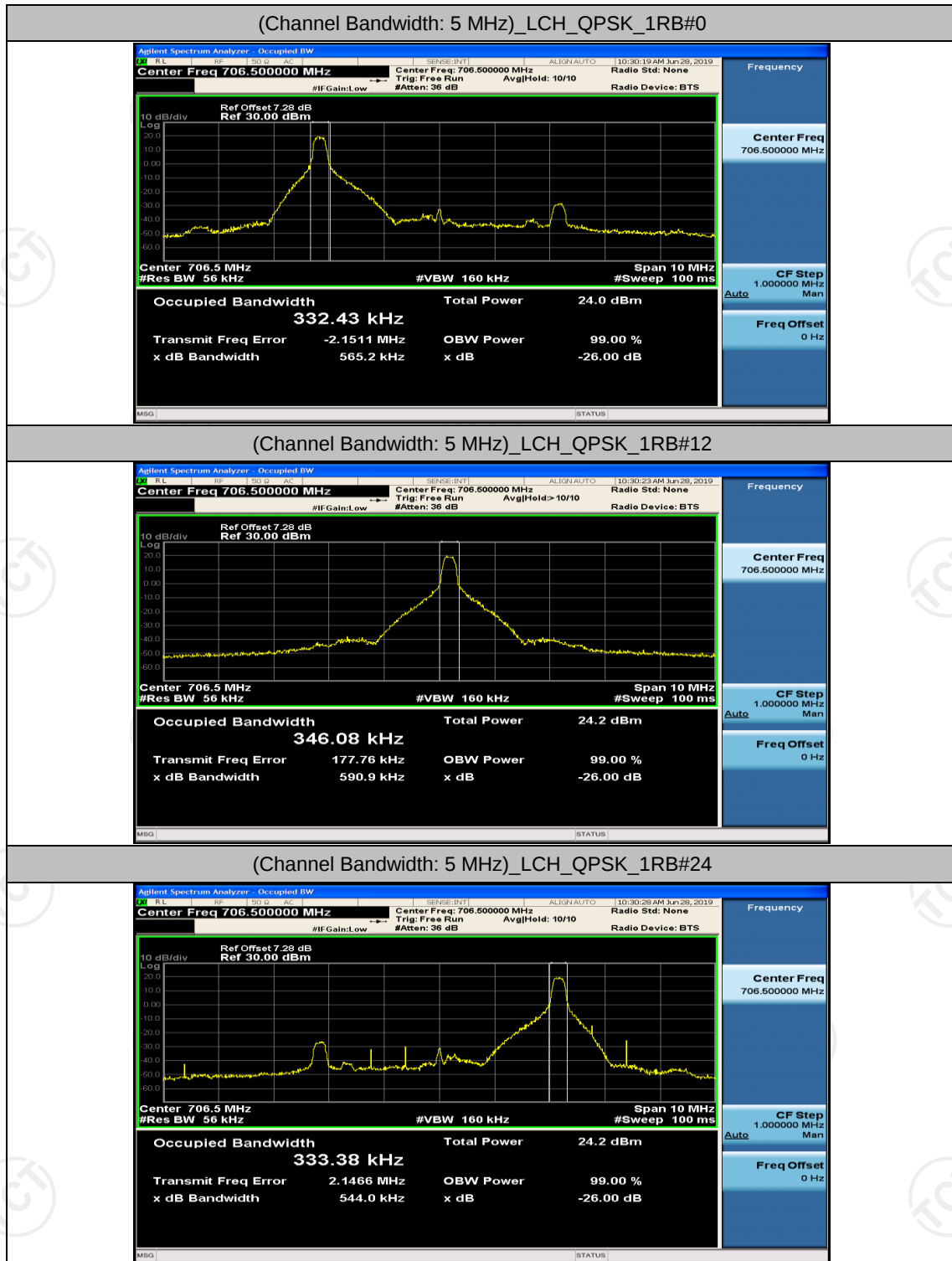
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.42638	0.6645	PASS
		1	25	0.44080	0.6719	PASS
		1	49	0.43209	0.6699	PASS
		25	0	4.5259	4.998	PASS
		25	12	4.5257	5.003	PASS
		25	25	4.4993	4.892	PASS
		50	0	8.9340	9.446	PASS
	MCH	1	0	0.42124	0.6604	PASS
		1	25	0.45818	0.7448	PASS
		1	49	0.44694	0.6883	PASS
		25	0	4.5147	5.025	PASS
		25	12	4.5185	5.060	PASS
		25	25	4.5000	4.927	PASS
		50	0	8.9126	9.380	PASS
	HCH	1	0	0.43353	0.7332	PASS
		1	25	0.46435	0.7475	PASS
		1	49	0.45536	0.7412	PASS
		25	0	4.5173	5.089	PASS
		25	12	4.5079	5.061	PASS
		25	25	4.4954	5.019	PASS
		50	0	8.8935	9.346	PASS
16QAM	LCH	1	0	0.42597	0.6425	PASS

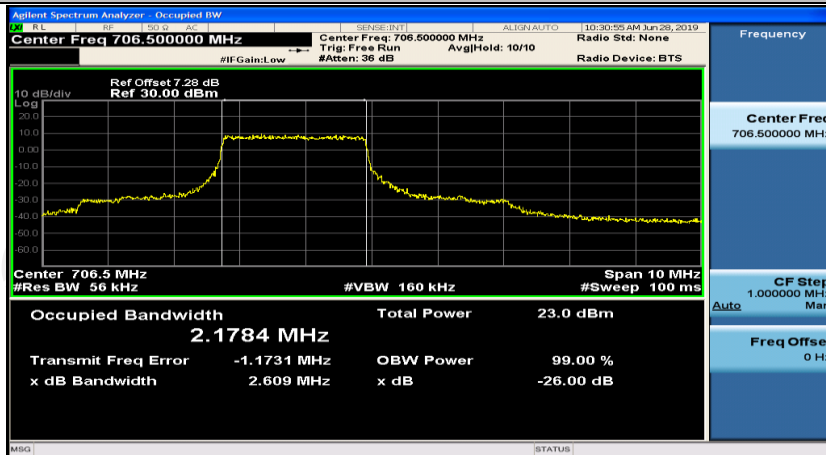
		1	25	0.45164	0.7210	PASS
		1	49	0.48151	0.7208	PASS
		25	0	4.5184	5.098	PASS
		25	12	4.5165	5.096	PASS
		25	25	4.4984	4.939	PASS
		50	0	8.9264	9.380	PASS
	MCH	1	0	0.42938	0.6797	PASS
		1	25	0.47729	0.7777	PASS
		1	49	0.45788	0.6491	PASS
		25	0	4.5077	5.106	PASS
		25	12	4.5088	5.042	PASS
		25	25	4.4914	5.026	PASS
		50	0	8.9147	9.354	PASS
	HCH	1	0	0.43638	0.6974	PASS
		1	25	0.45845	0.6937	PASS
		1	49	0.44868	0.7091	PASS
		25	0	4.5129	5.032	PASS
		25	12	4.5099	5.146	PASS
		25	25	4.5031	5.070	PASS
		50	0	8.8929	9.419	PASS

Test Graphs

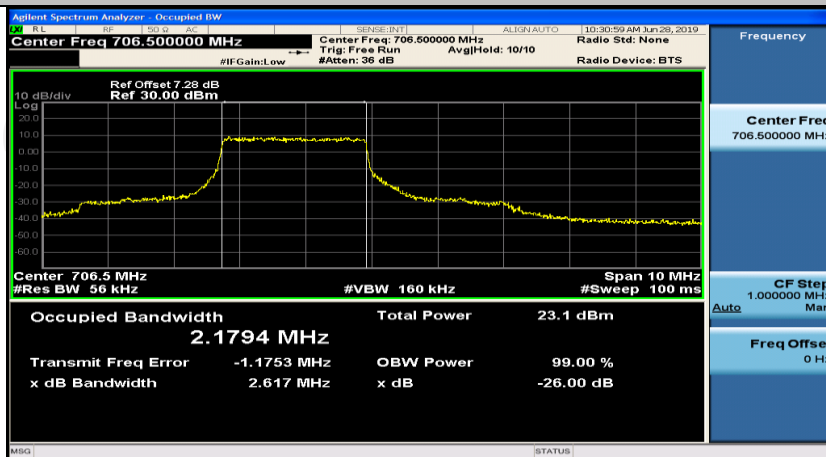
Channel Bandwidth: 5 MHz



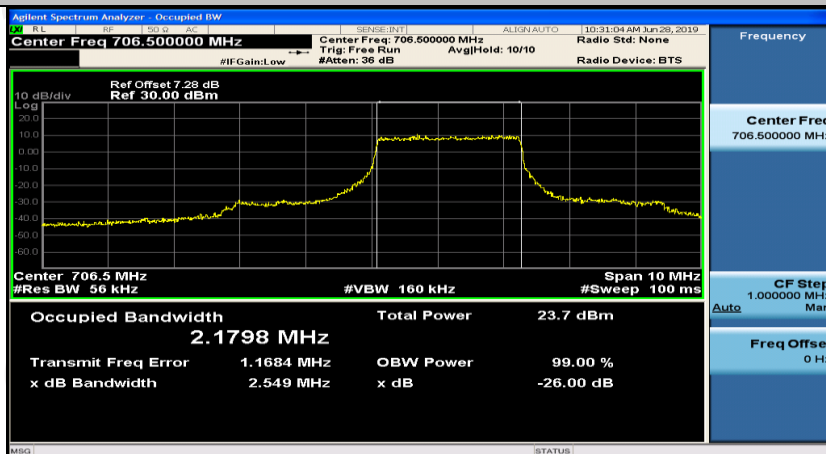
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



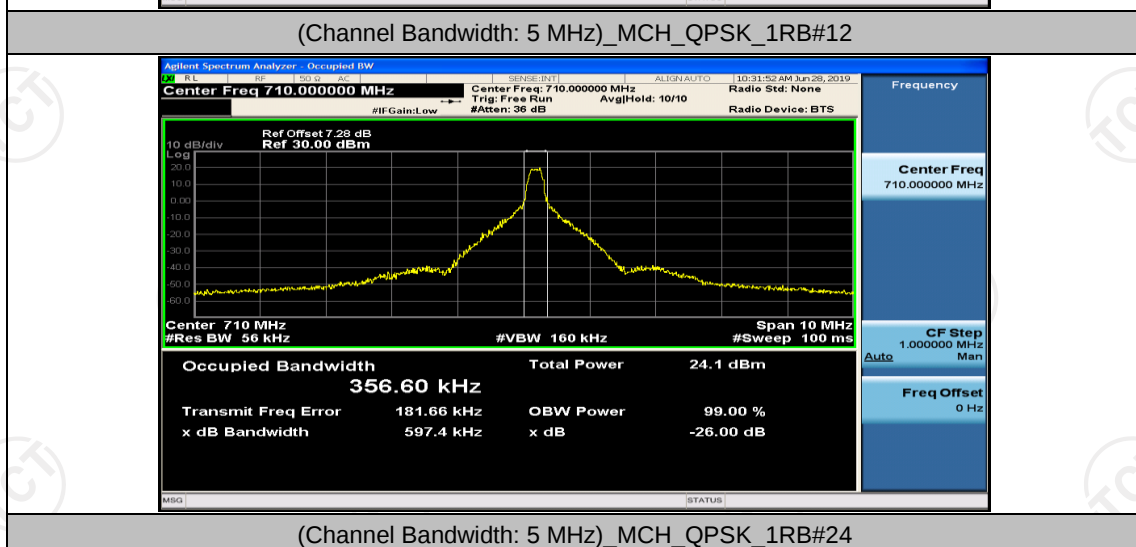
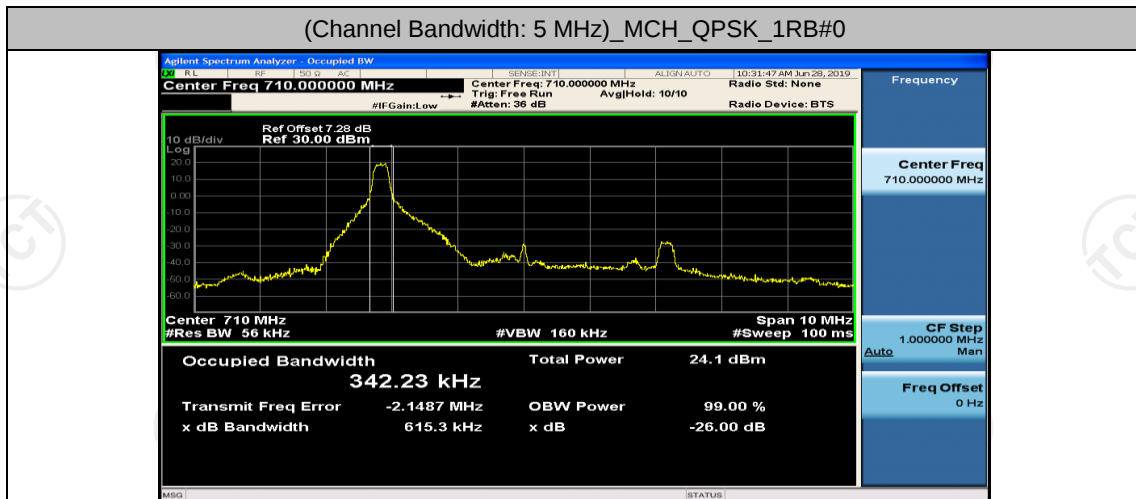
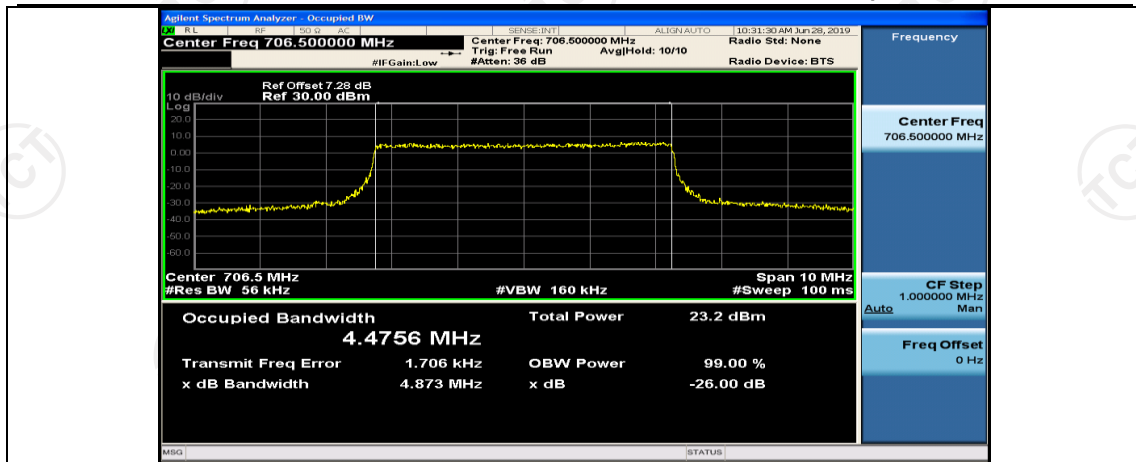
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24