

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	23.92	24.10	PASS
		1	12	24.17	24.35	PASS
		1	24	23.52	23.70	PASS
		12	0	23.01	23.19	PASS
		12	6	23.00	23.18	PASS
		12	13	22.91	23.09	PASS
		25	0	22.91	23.09	PASS
	MCH	1	0	24.08	24.26	PASS
		1	12	24.06	24.24	PASS
		1	24	23.65	23.83	PASS
		12	0	22.84	23.02	PASS
		12	6	22.84	23.02	PASS
		12	13	22.71	22.89	PASS
		25	0	22.83	23.01	PASS
	HCH	1	0	23.83	24.01	PASS
		1	12	24.10	24.28	PASS
		1	24	23.54	23.72	PASS
		12	0	22.87	23.05	PASS
		12	6	22.87	23.05	PASS
		12	13	22.81	22.99	PASS
		25	0	22.80	22.98	PASS
16QAM	LCH	1	0	22.76	22.94	PASS
		1	12	23.01	23.19	PASS
		1	24	22.24	22.42	PASS
		12	0	21.66	21.84	PASS
		12	6	21.86	22.04	PASS
		12	13	21.83	22.01	PASS
		25	0	21.76	21.94	PASS
	MCH	1	0	22.90	23.08	PASS
		1	12	22.48	22.66	PASS
		1	24	22.29	22.47	PASS
		12	0	21.78	21.96	PASS

		12	6	21.79	21.97	PASS
		12	13	21.56	21.74	PASS
		25	0	21.80	21.98	PASS
	HCH	1	0	22.83	23.01	PASS
		1	12	23.18	23.36	PASS
		1	24	22.69	22.87	PASS
		12	0	21.80	21.98	PASS
		12	6	21.71	21.89	PASS
		12	13	21.73	21.91	PASS
		25	0	21.73	21.91	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	24.06	24.24	PASS
		1	24	24.03	24.21	PASS
		1	49	23.66	23.84	PASS
		25	0	22.99	23.17	PASS
		25	12	22.99	23.17	PASS
		25	25	22.74	22.92	PASS
		50	0	22.98	23.16	PASS
	MCH	1	0	23.85	24.03	PASS
		1	24	24.03	24.21	PASS
		1	49	23.54	23.72	PASS
		25	0	22.94	23.12	PASS
		25	12	22.94	23.12	PASS
		25	25	22.71	22.89	PASS
		50	0	22.83	23.01	PASS
	HCH	1	0	24.04	24.22	PASS
		1	24	23.89	24.07	PASS
		1	49	23.63	23.81	PASS
		25	0	22.88	23.06	PASS
		25	12	22.89	23.07	PASS
		25	25	22.74	22.92	PASS
		50	0	22.90	23.08	PASS
16QAM	LCH	1	0	23.80	23.98	PASS
		1	24	23.51	23.69	PASS
		1	49	22.27	22.45	PASS
		25	0	21.96	22.14	PASS

		25	12	22.04	22.22	PASS
		25	25	21.73	21.91	PASS
		50	0	21.83	22.01	PASS
	MCH	1	0	23.37	23.55	PASS
		1	24	23.47	23.65	PASS
		1	49	22.43	22.61	PASS
		25	0	22.02	22.20	PASS
		25	12	22.03	22.21	PASS
		25	25	21.74	21.92	PASS
		50	0	21.71	21.89	PASS
	HCH	1	0	23.76	23.94	PASS
		1	24	23.74	23.92	PASS
		1	49	23.05	23.23	PASS
		25	0	22.09	22.27	PASS
		25	12	22.04	22.22	PASS
		25	25	21.73	21.91	PASS
		50	0	21.78	21.96	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	4.55	<13	PASS
		1	12	4.32	<13	PASS
		1	24	4.53	<13	PASS
		12	0	4.82	<13	PASS
		12	6	4.83	<13	PASS
		12	13	4.8	<13	PASS
		25	0	5.1	<13	PASS
	MCH	1	0	4.39	<13	PASS
		1	12	4.55	<13	PASS
		1	24	4.81	<13	PASS
		12	0	4.9	<13	PASS
		12	6	4.91	<13	PASS
		12	13	5.07	<13	PASS
		25	0	5.25	<13	PASS
	HCH	1	0	4.82	<13	PASS
		1	12	4.71	<13	PASS
		1	24	4.62	<13	PASS
		12	0	5.14	<13	PASS
		12	6	5.14	<13	PASS
		12	13	5.13	<13	PASS
		25	0	5.4	<13	PASS
16QAM	LCH	1	0	5.63	<13	PASS
		1	12	5.14	<13	PASS
		1	24	5.49	<13	PASS
		12	0	5.78	<13	PASS
		12	6	5.79	<13	PASS
		12	13	5.73	<13	PASS
		25	0	5.94	<13	PASS
	MCH	1	0	5.22	<13	PASS
		1	12	5.31	<13	PASS

		1	24	5.62	<13	PASS
		12	0	5.77	<13	PASS
		12	6	5.8	<13	PASS
		12	13	5.96	<13	PASS
		25	0	6.07	<13	PASS
	HCH	1	0	5.6	<13	PASS
		1	12	5.47	<13	PASS
		1	24	5.36	<13	PASS
		12	0	6.02	<13	PASS
		12	6	6	<13	PASS
		12	13	6.05	<13	PASS
		25	0	6.27	<13	PASS

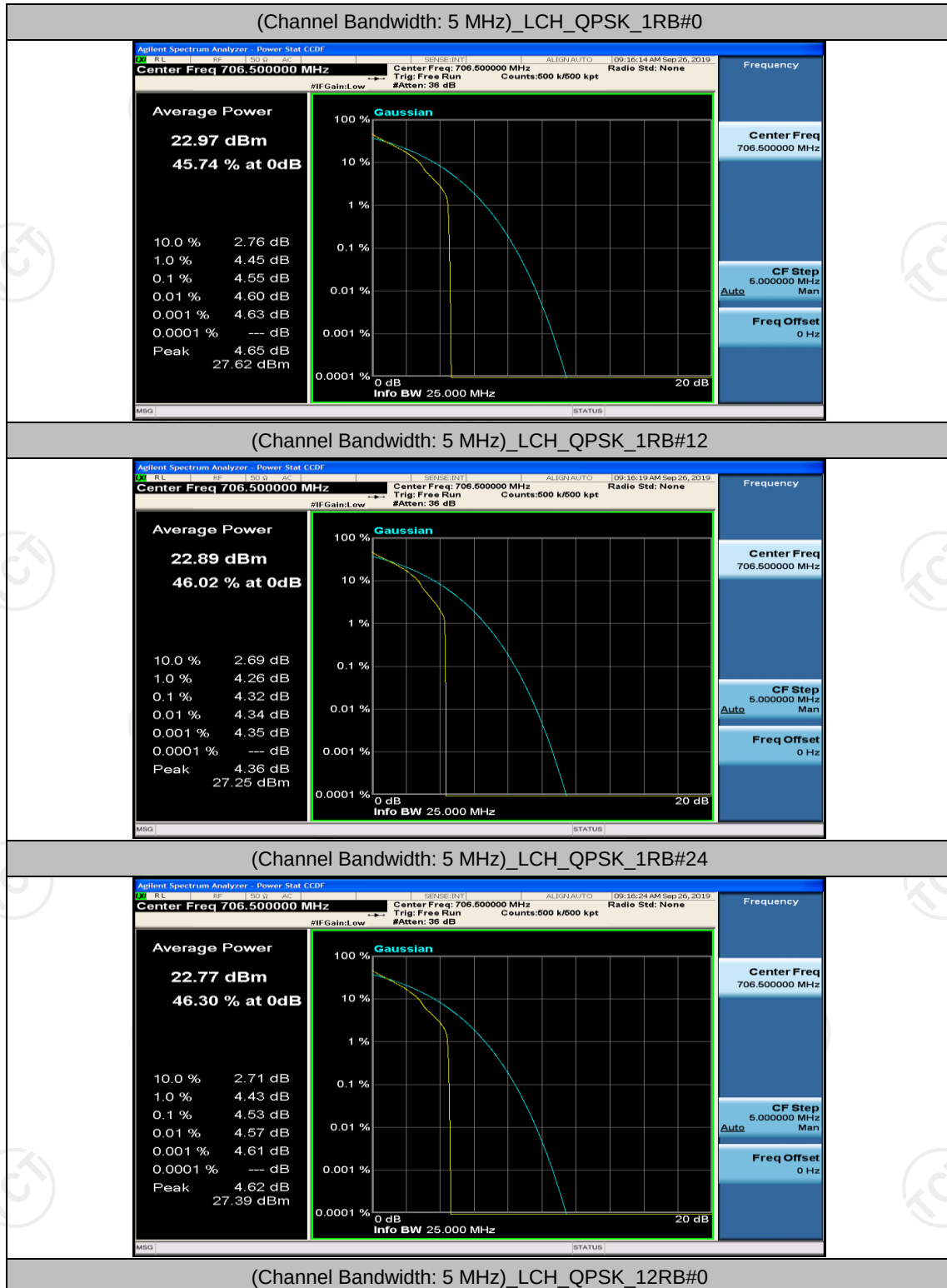
Channel Bandwidth: 10 MHz

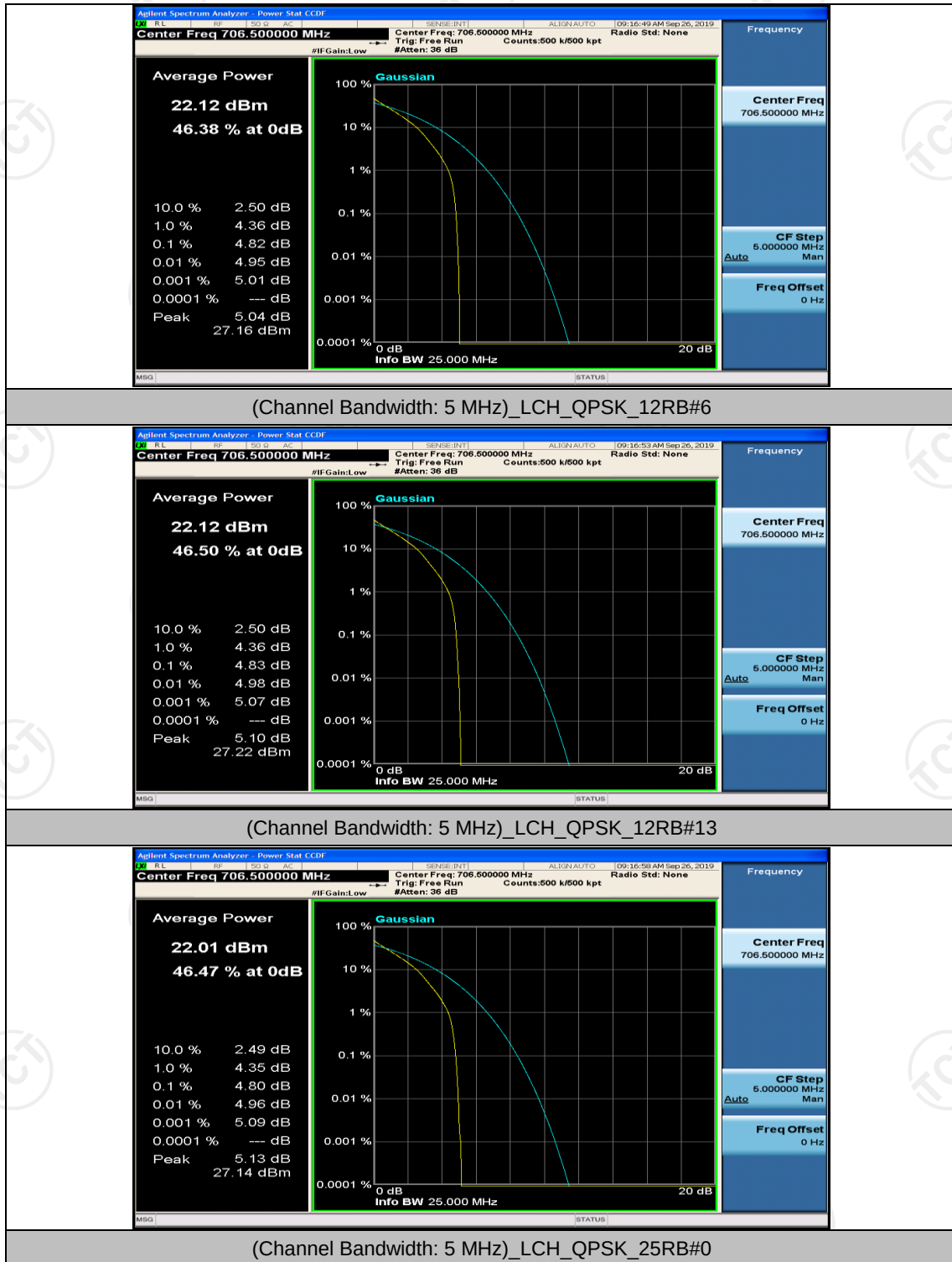
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.42	<13	PASS
		1	24	4.44	<13	PASS
		1	49	4.84	<13	PASS
		25	0	4.85	<13	PASS
		25	12	4.85	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.31	<13	PASS
	MCH	1	0	4.33	<13	PASS
		1	24	4.59	<13	PASS
		1	49	4.75	<13	PASS
		25	0	4.87	<13	PASS
		25	12	4.87	<13	PASS
		25	25	5.18	<13	PASS
		50	0	5.34	<13	PASS
	HCH	1	0	4.34	<13	PASS
		1	24	4.67	<13	PASS
		1	49	4.63	<13	PASS
		25	0	4.91	<13	PASS
		25	12	4.91	<13	PASS
		25	25	5.15	<13	PASS
		50	0	5.42	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	24	5.23	<13	PASS

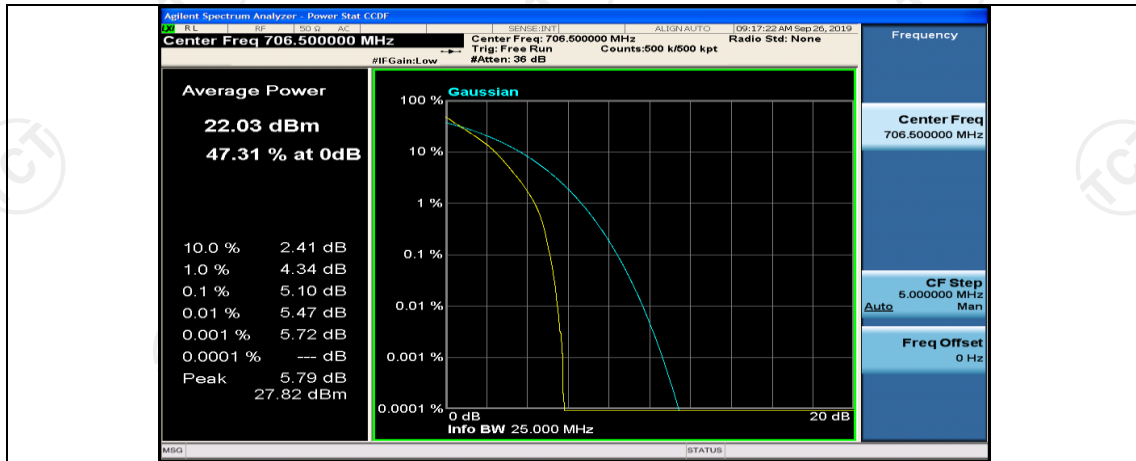
		1	49	5.72	<13	PASS
		25	0	5.75	<13	PASS
		25	12	5.75	<13	PASS
		25	25	6	<13	PASS
		50	0	6.11	<13	PASS
	MCH	1	0	5.24	<13	PASS
		1	24	5.41	<13	PASS
		1	49	5.7	<13	PASS
		25	0	5.79	<13	PASS
		25	12	5.77	<13	PASS
		25	25	6.07	<13	PASS
		50	0	6.16	<13	PASS
	HCH	1	0	5.03	<13	PASS
		1	24	5.51	<13	PASS
		1	49	5.51	<13	PASS
		25	0	5.81	<13	PASS
		25	12	5.84	<13	PASS
		25	25	6.08	<13	PASS
		50	0	6.18	<13	PASS

Test Graphs

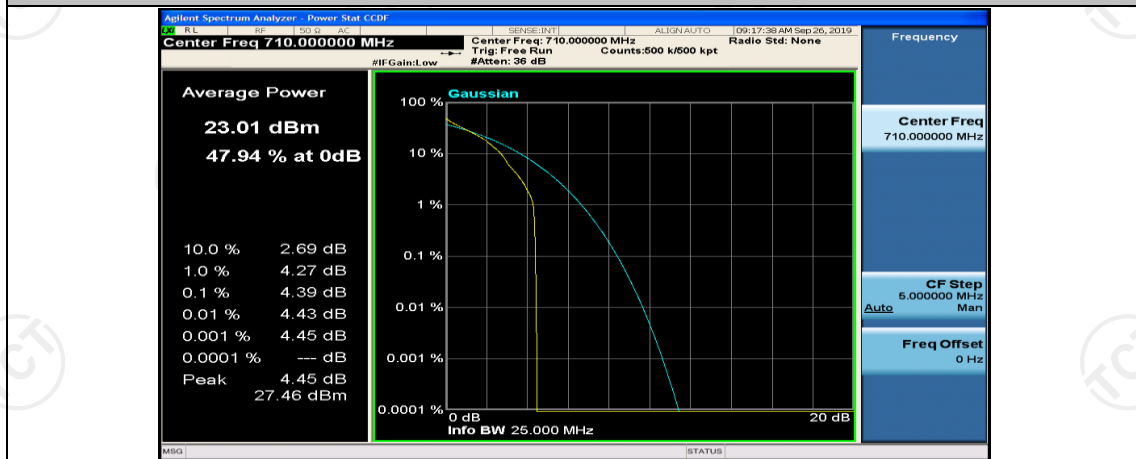
Channel Bandwidth: 5 MHz



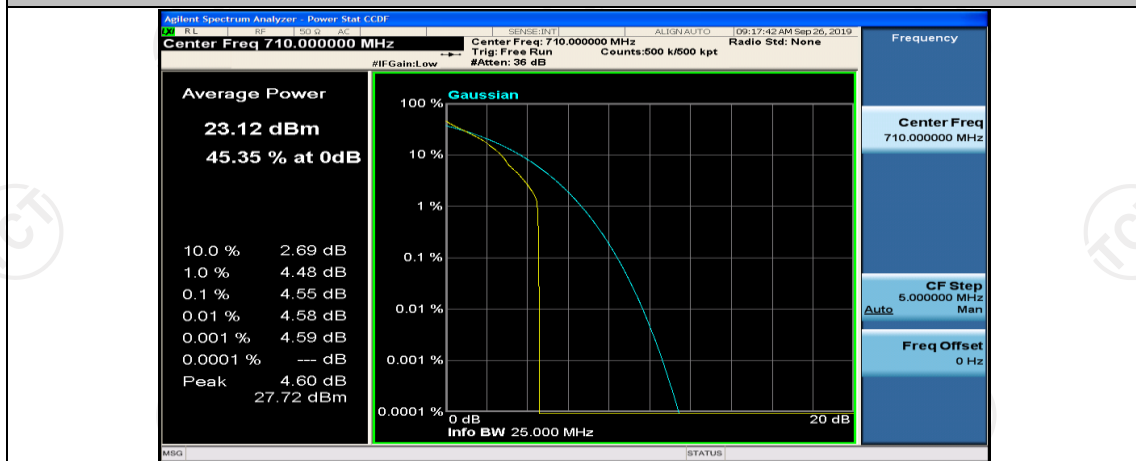




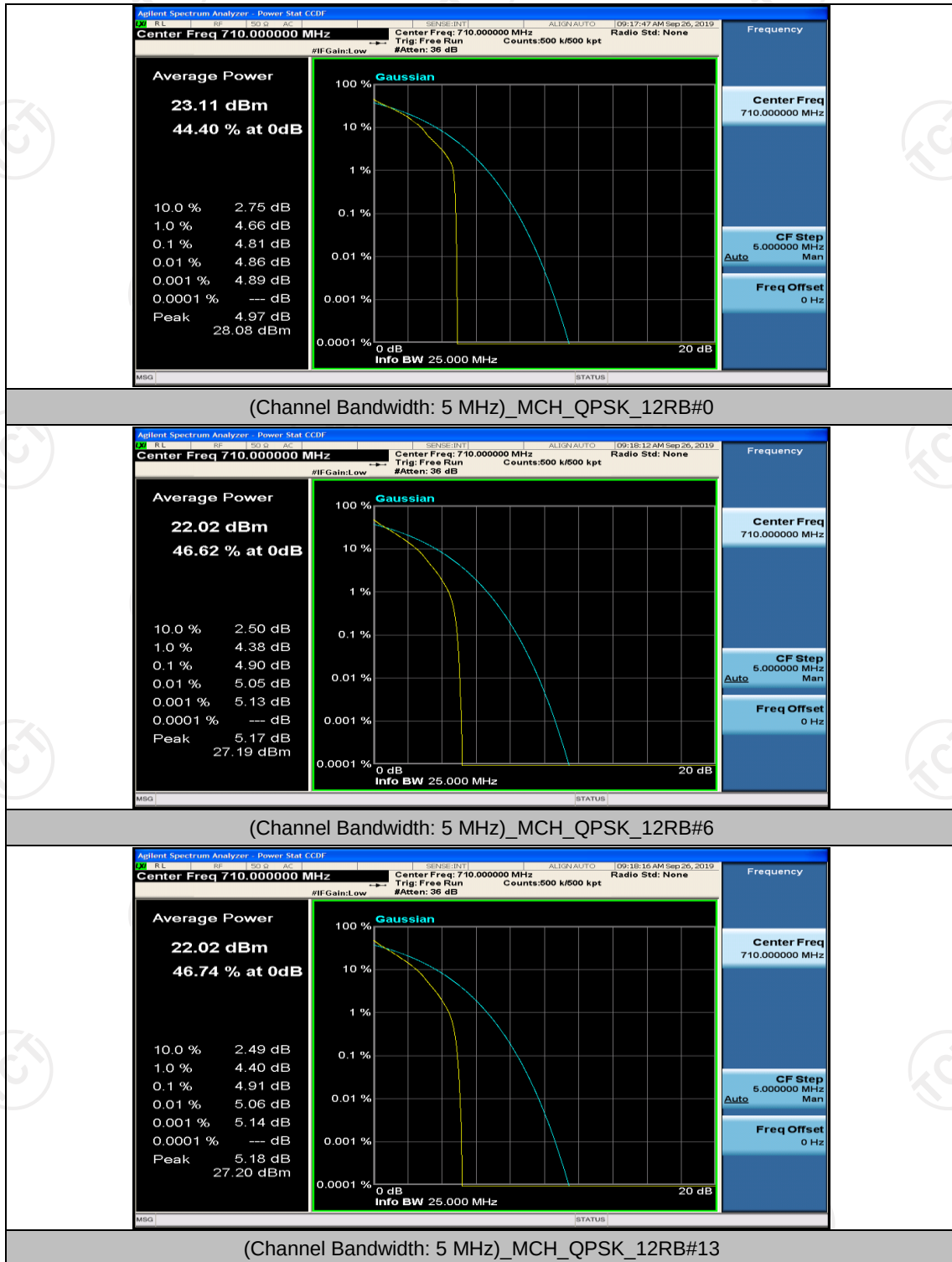
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

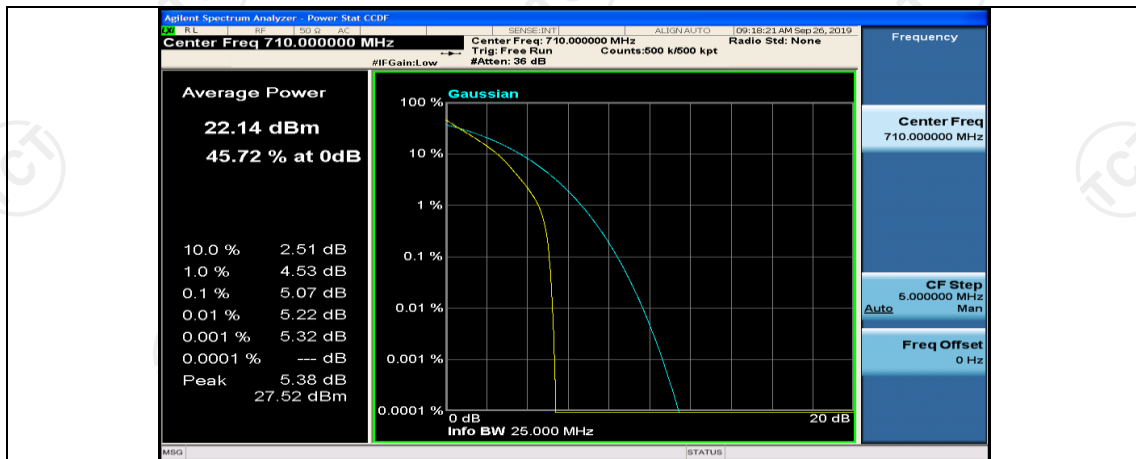


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

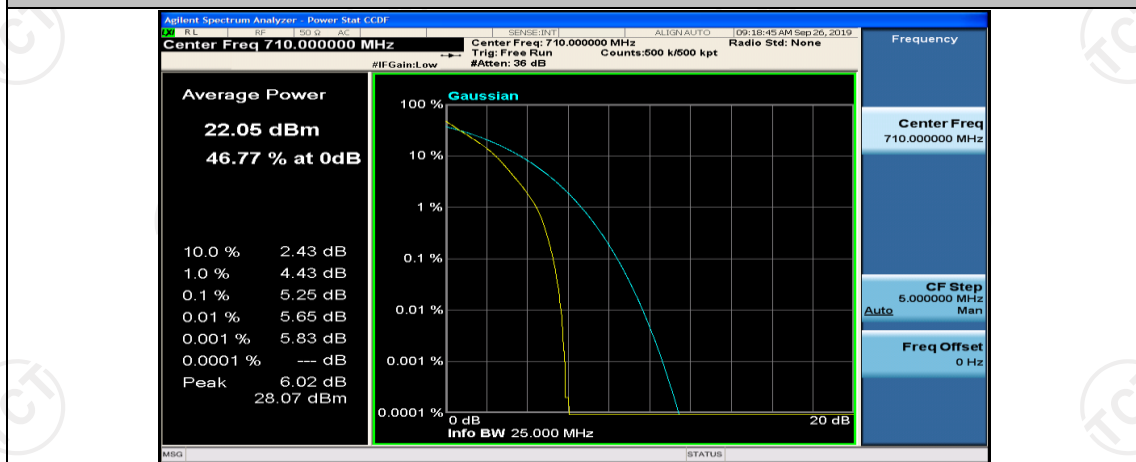


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

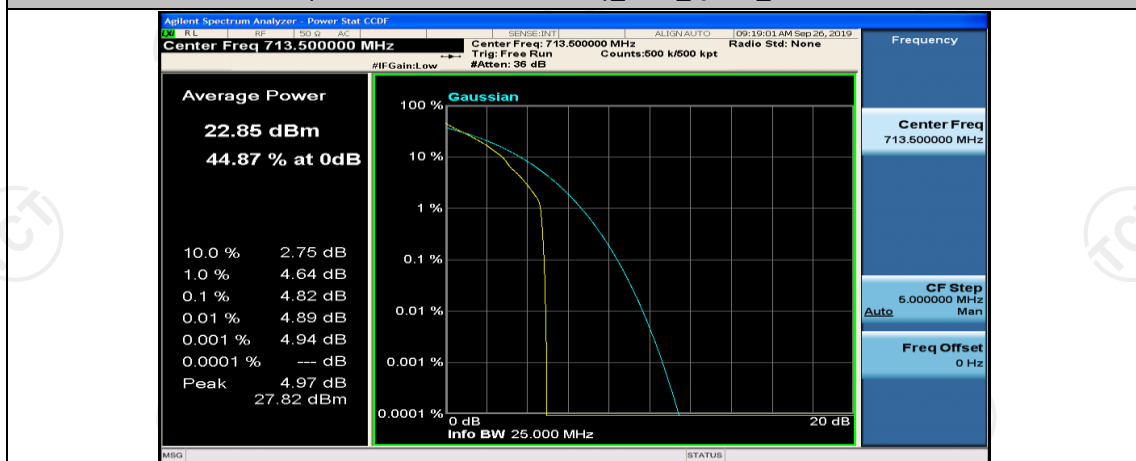




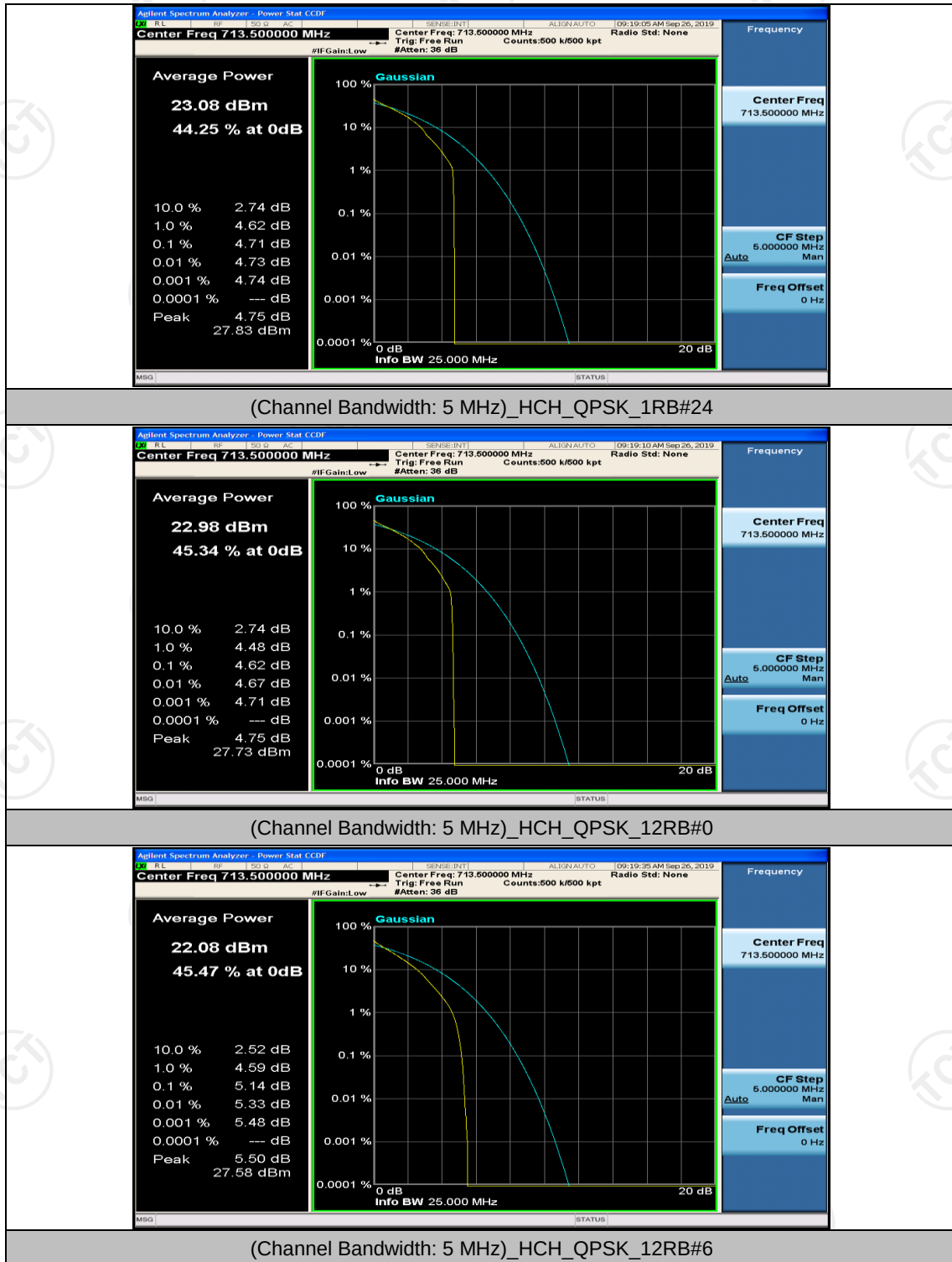
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

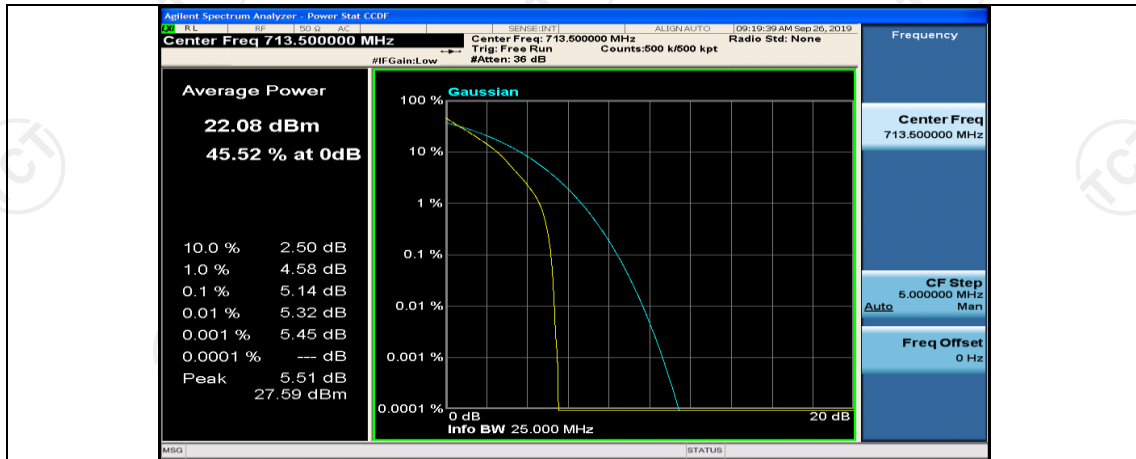


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

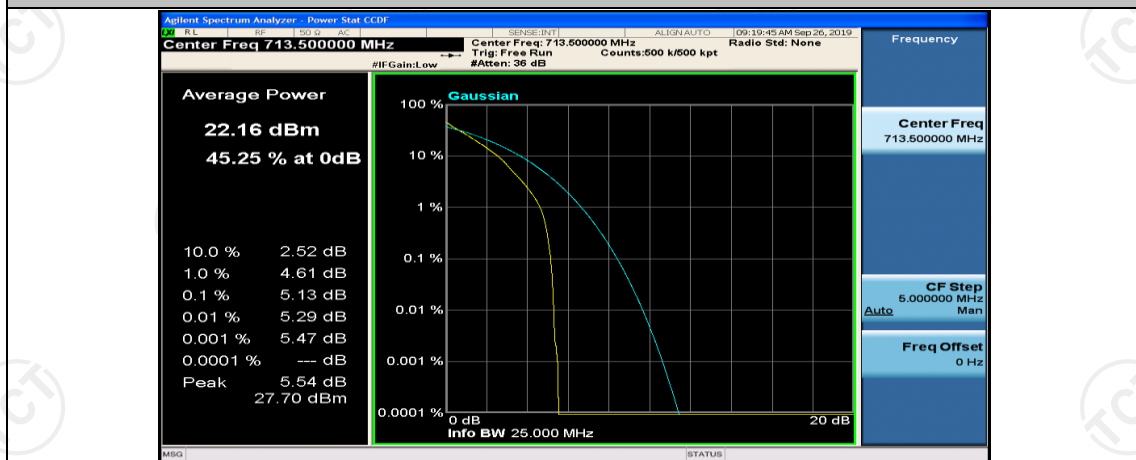


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

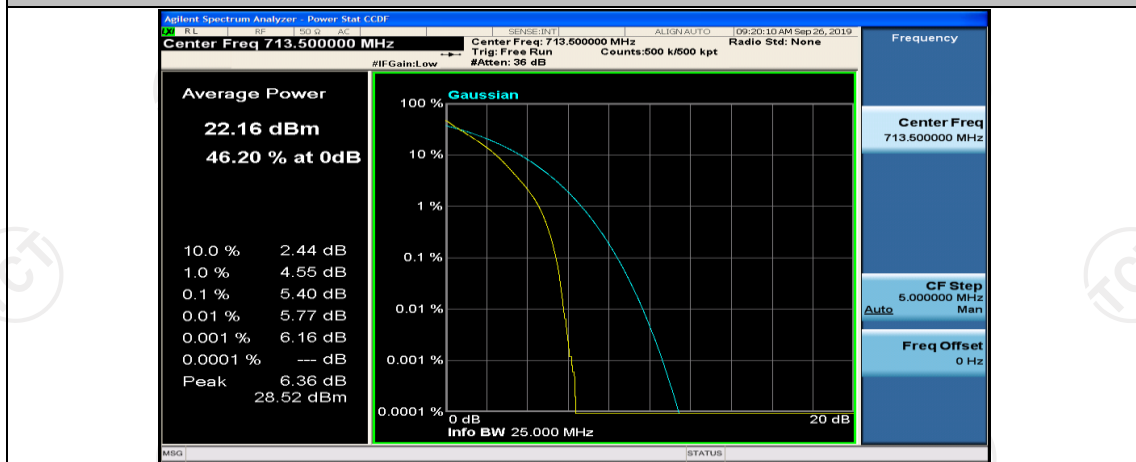




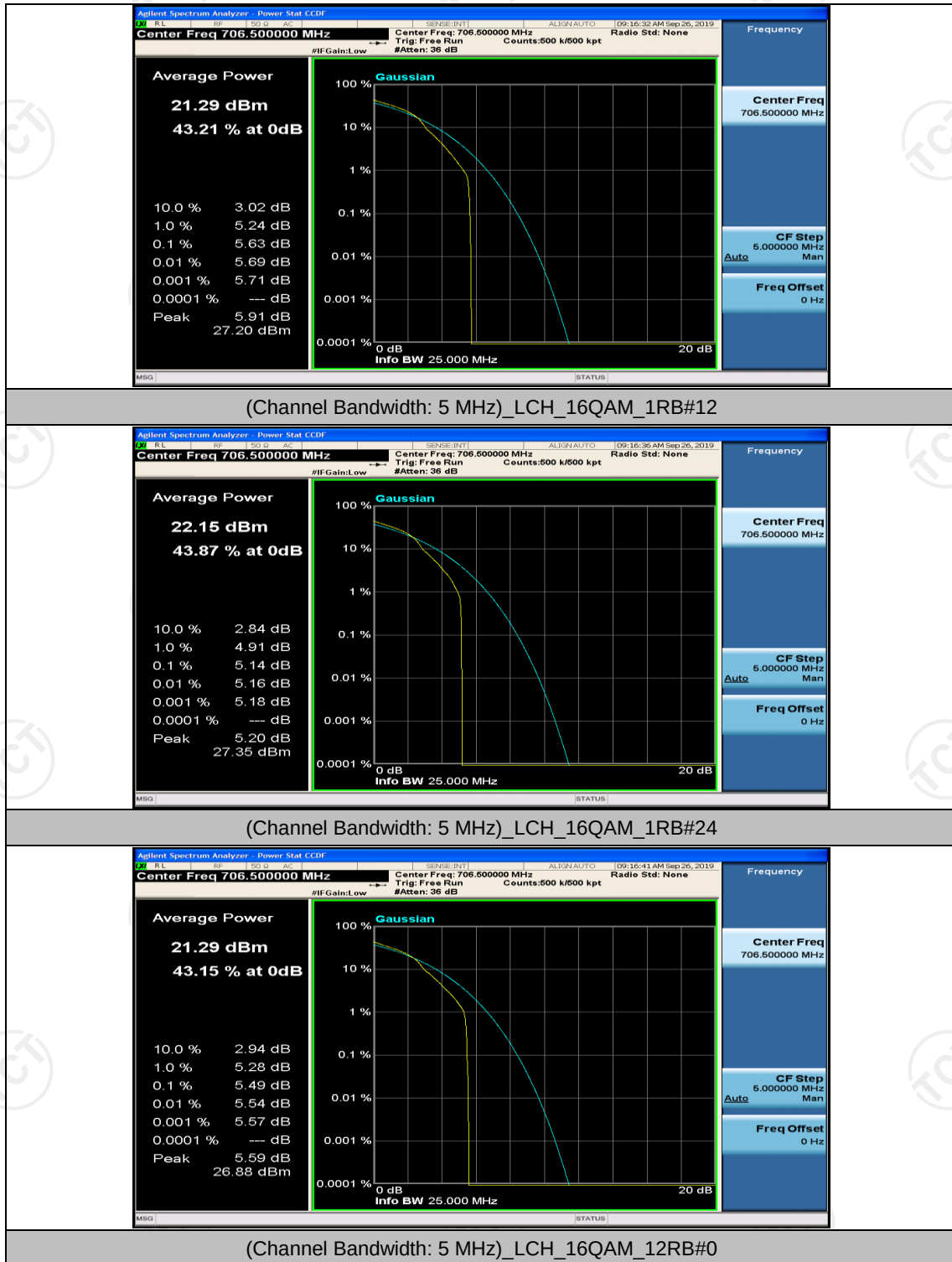
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

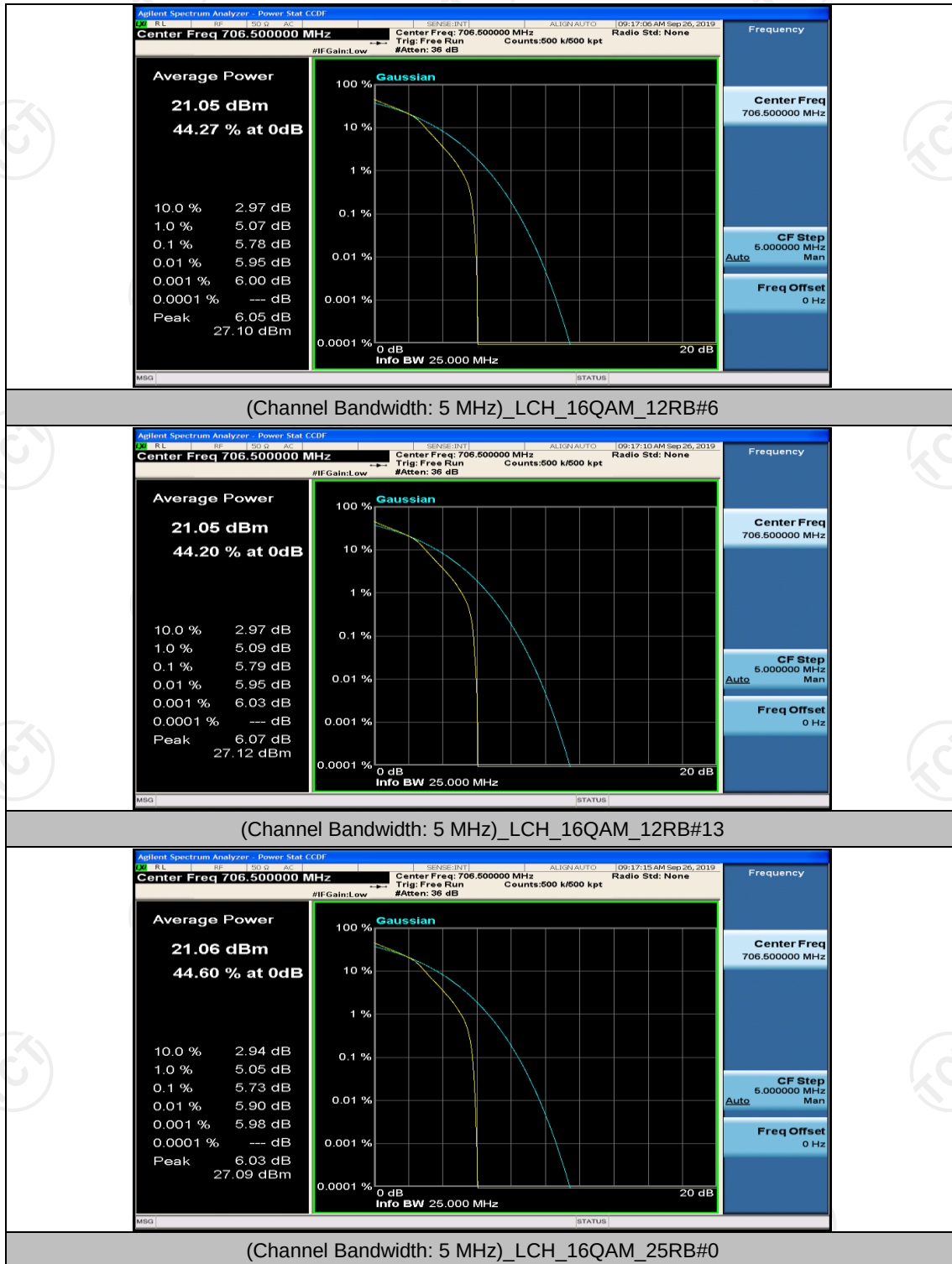


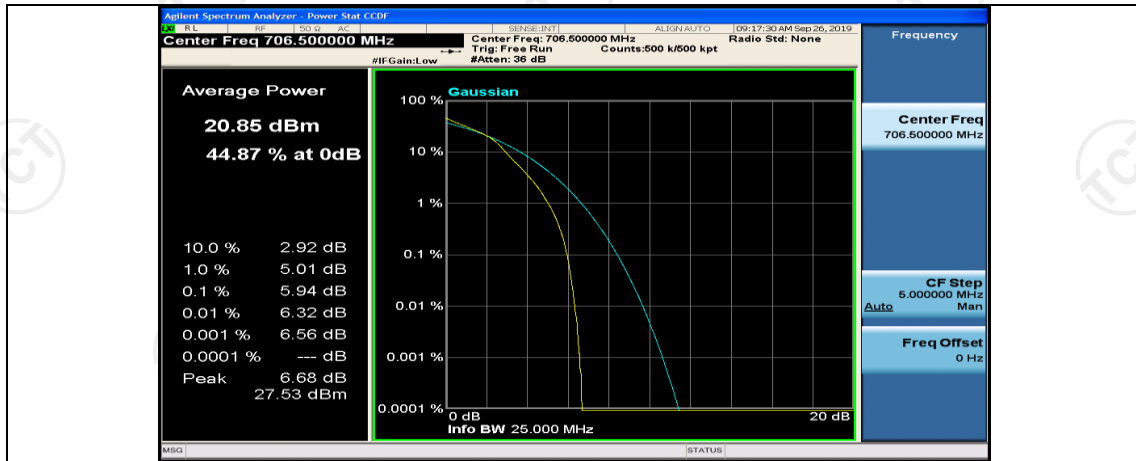
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



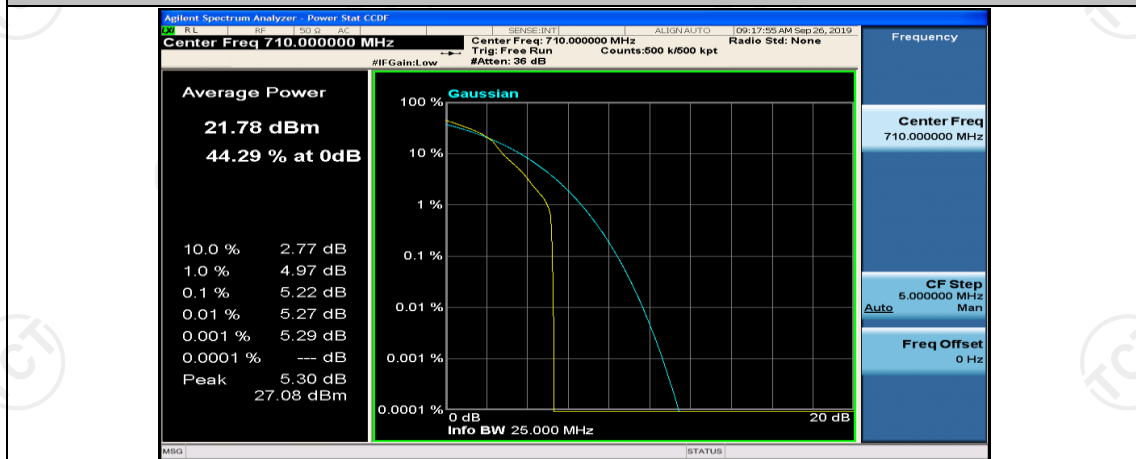
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



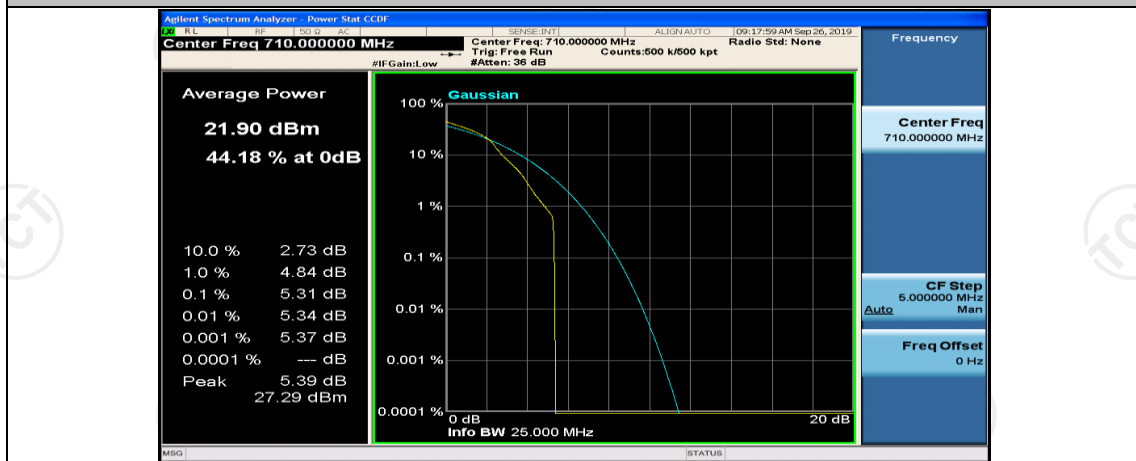




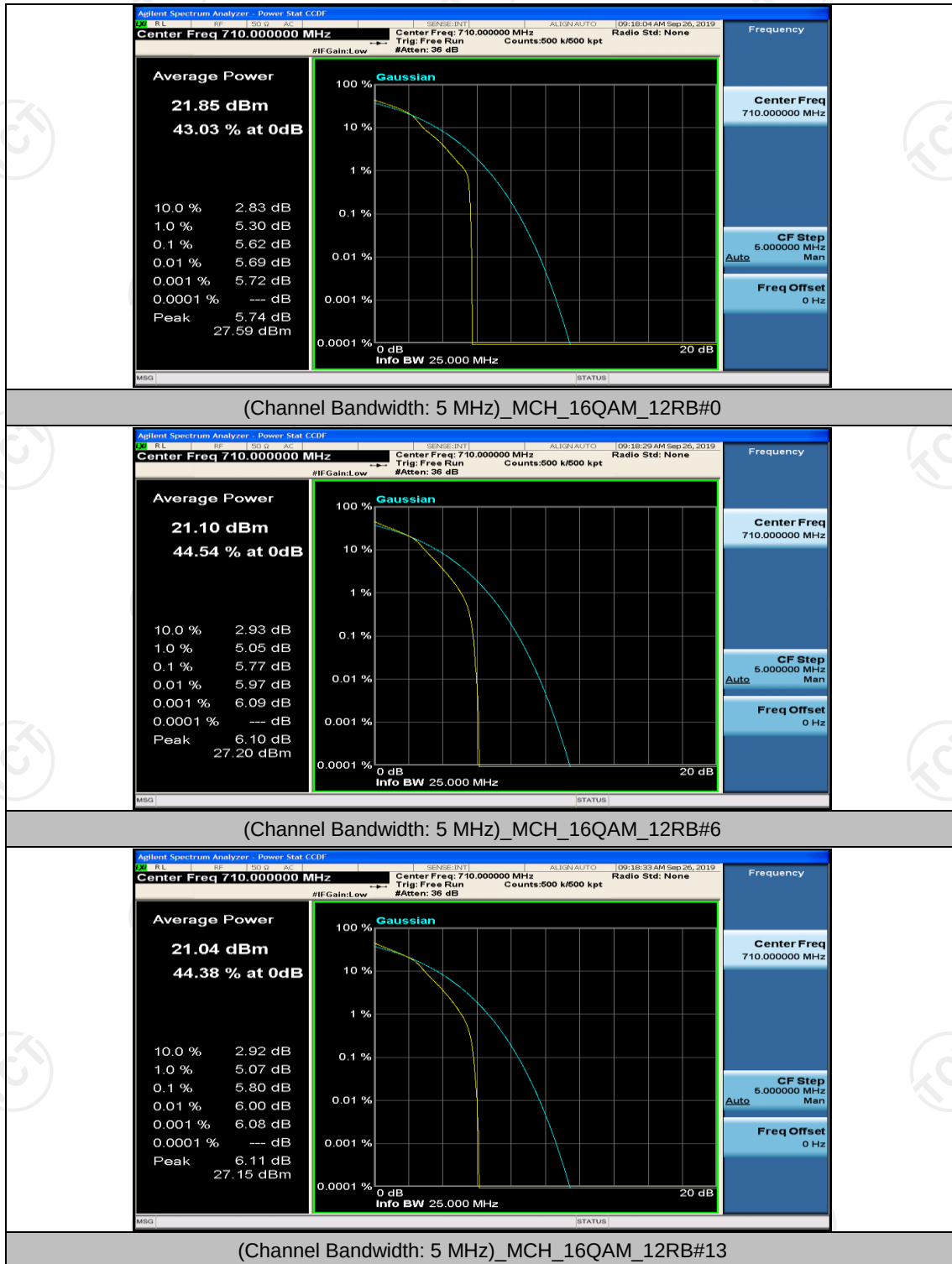
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

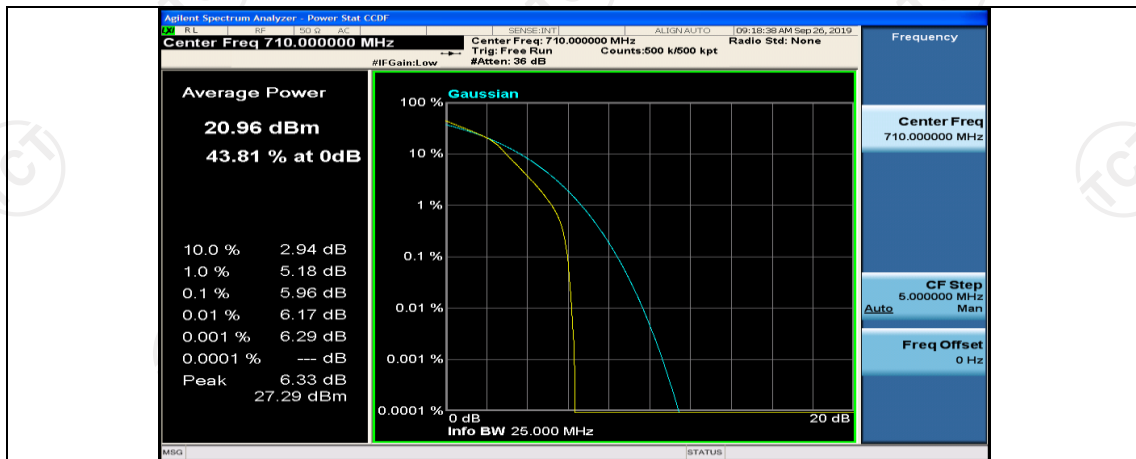


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

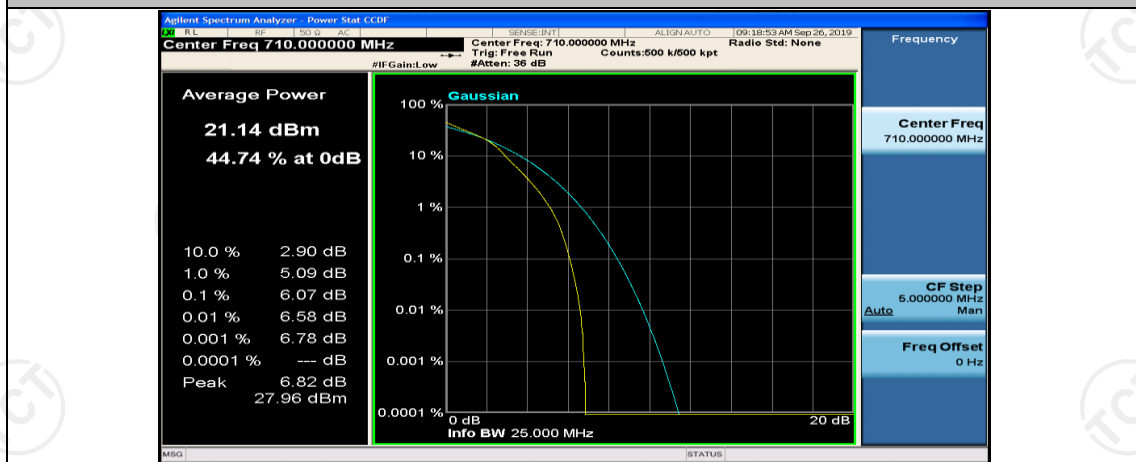


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

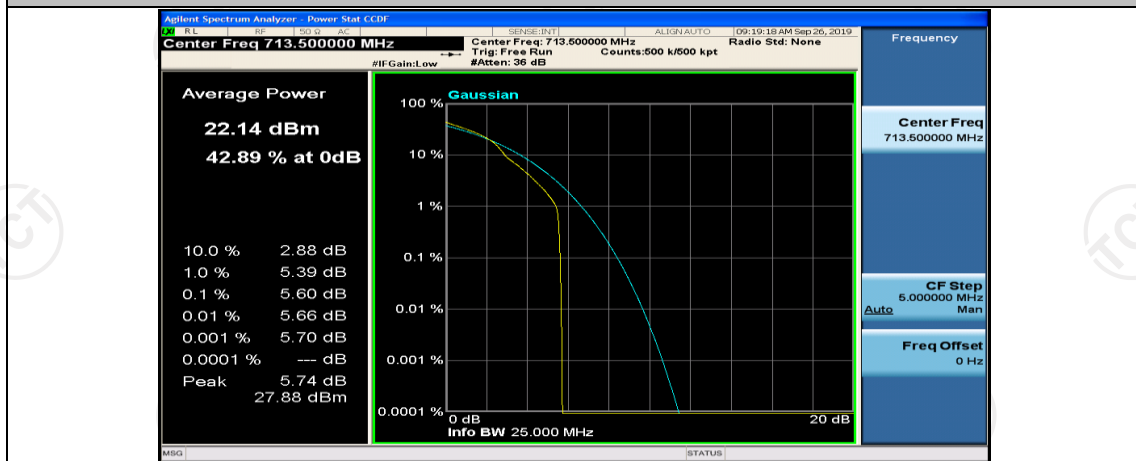




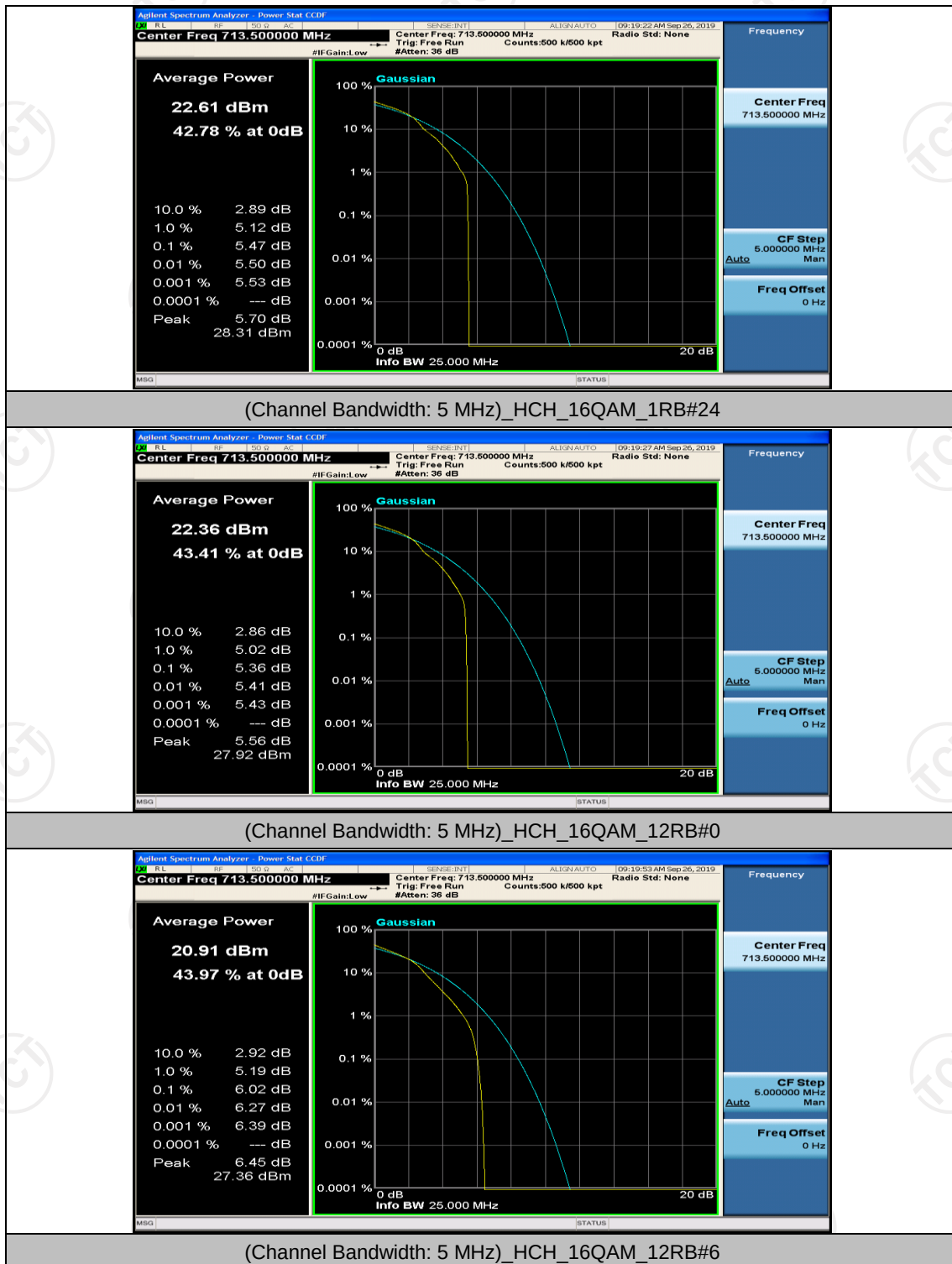
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

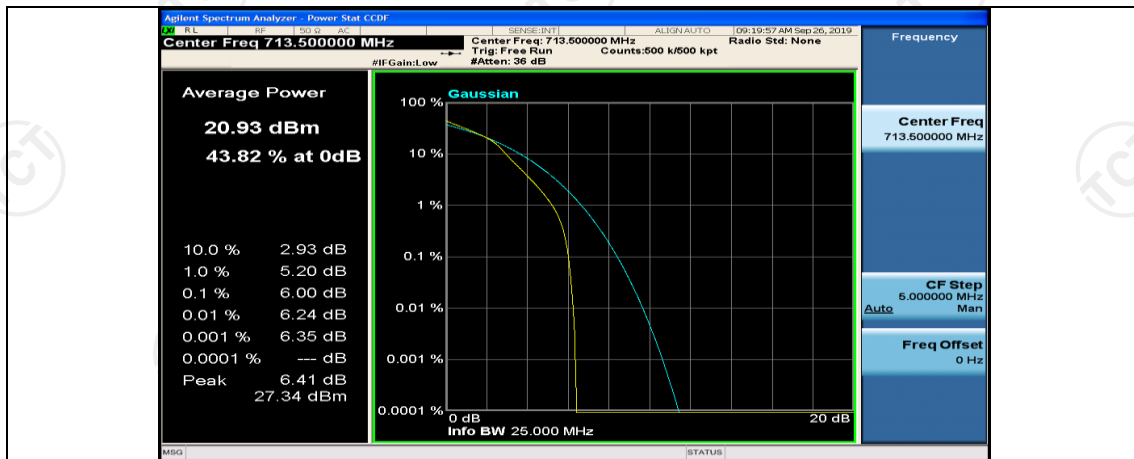


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

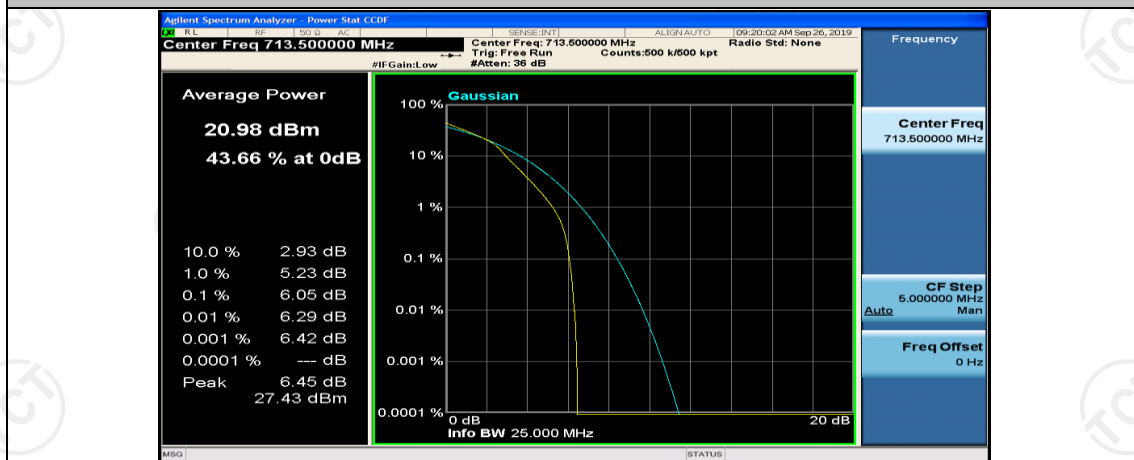


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

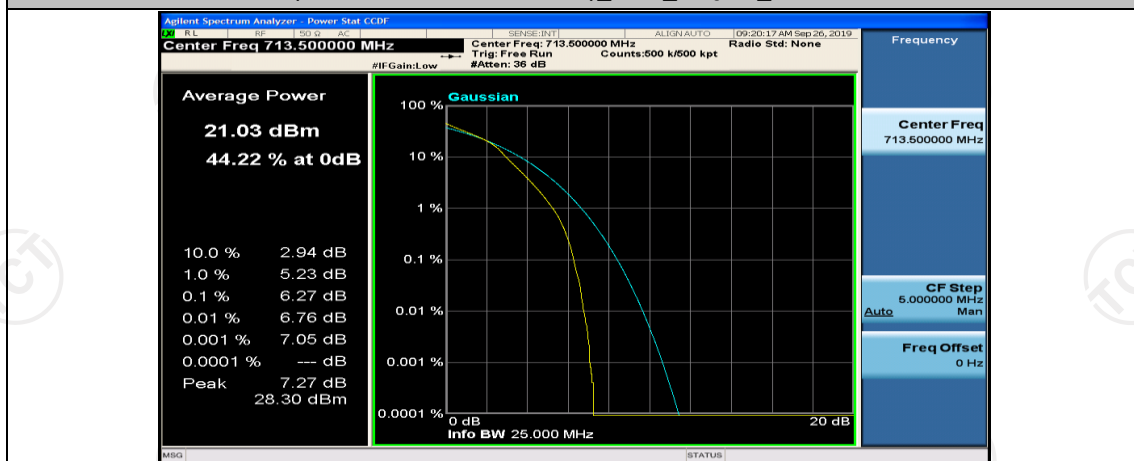




(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

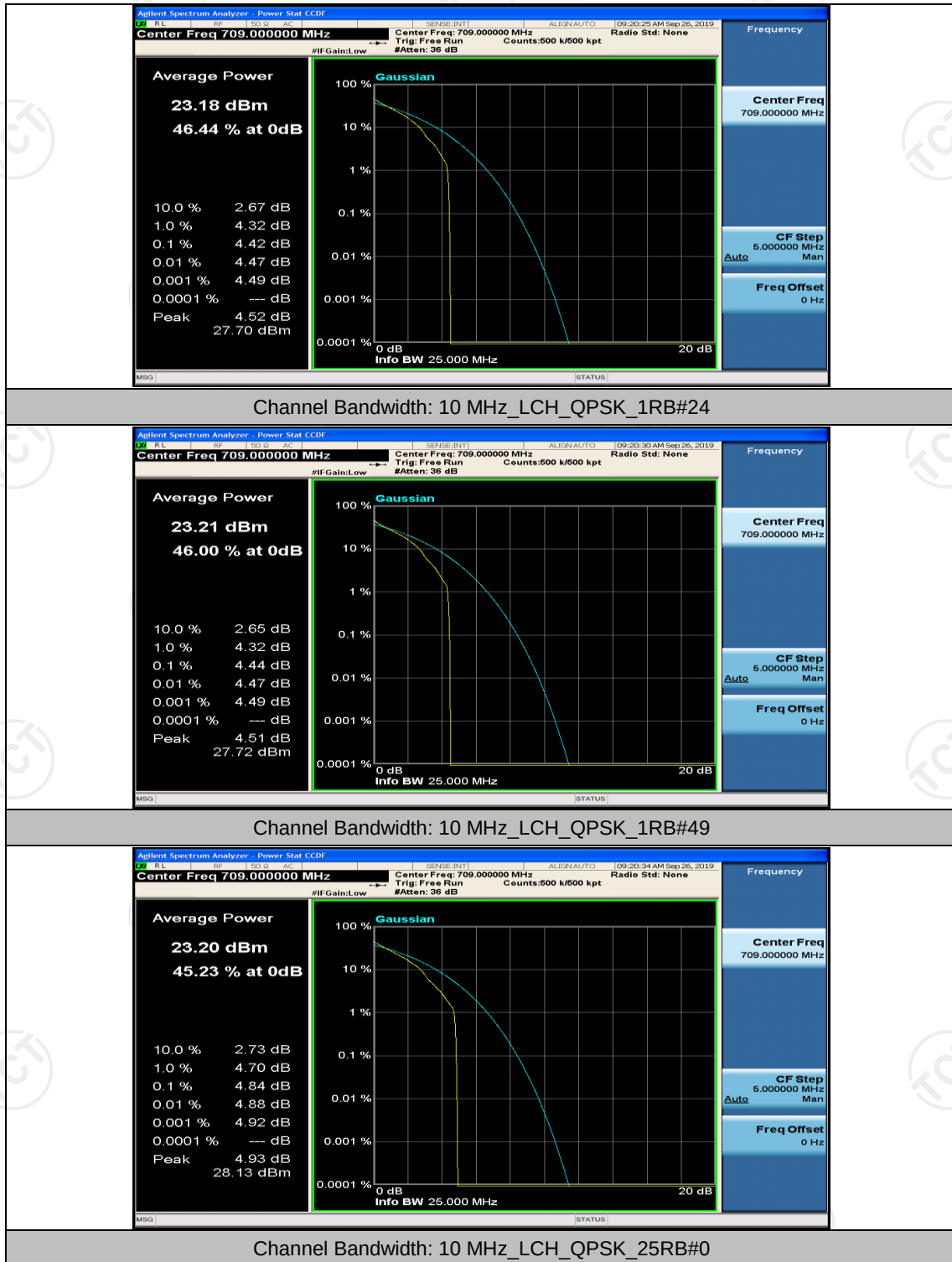


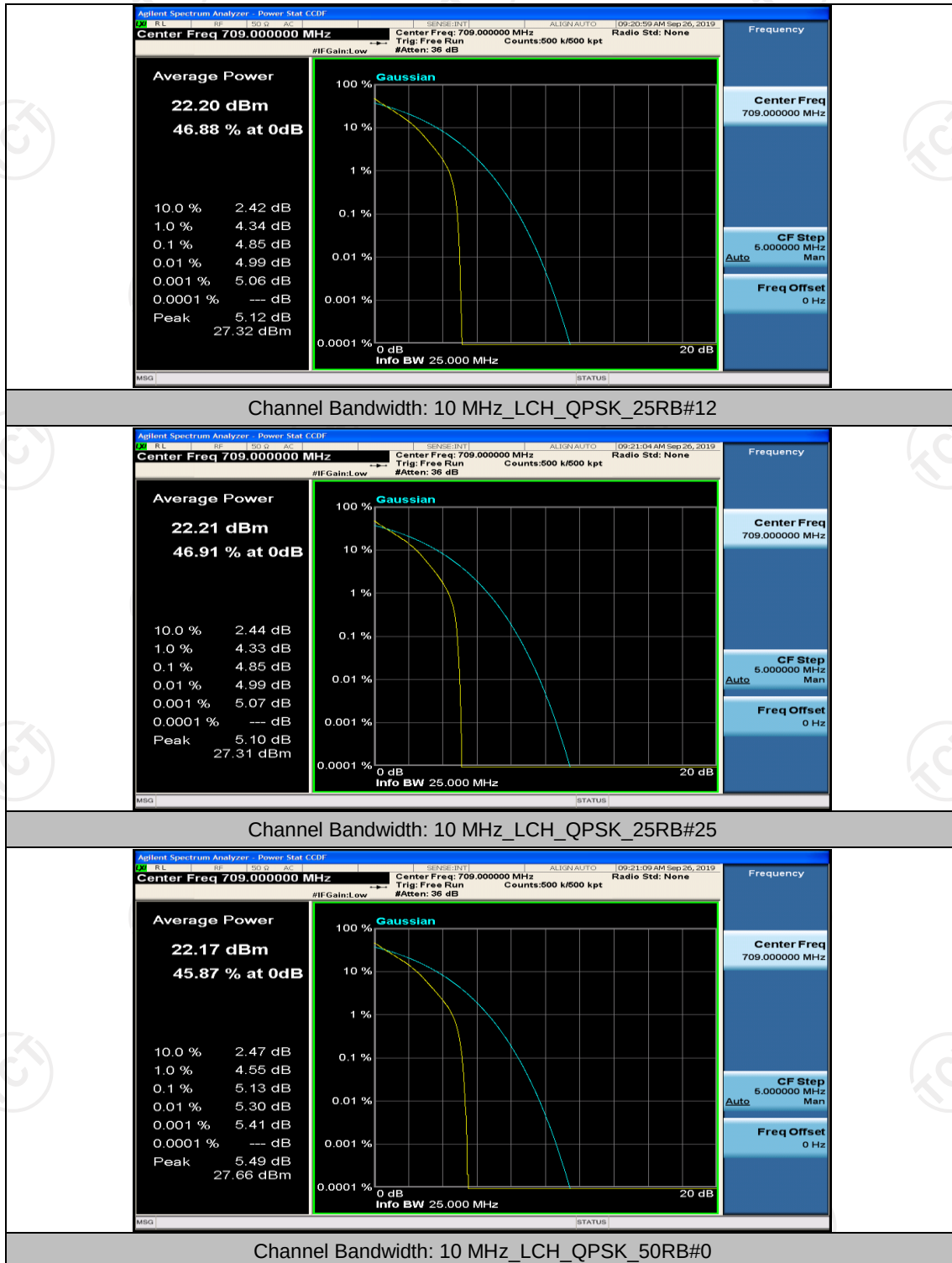
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

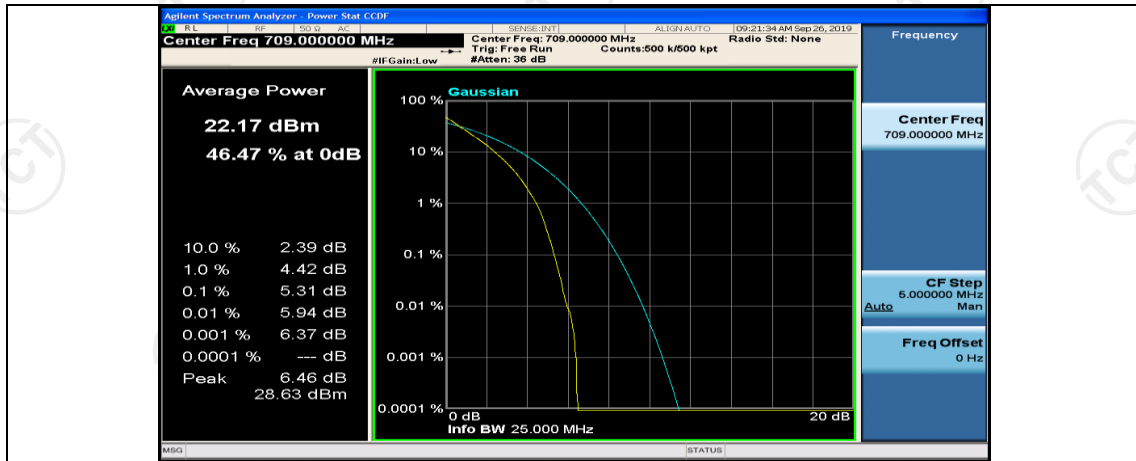


Channel Bandwidth: 10 MHz

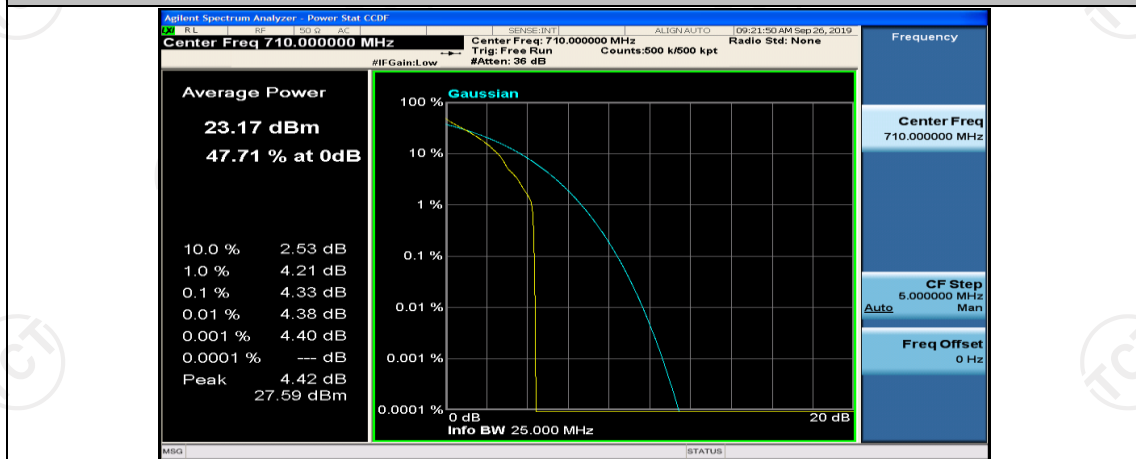
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



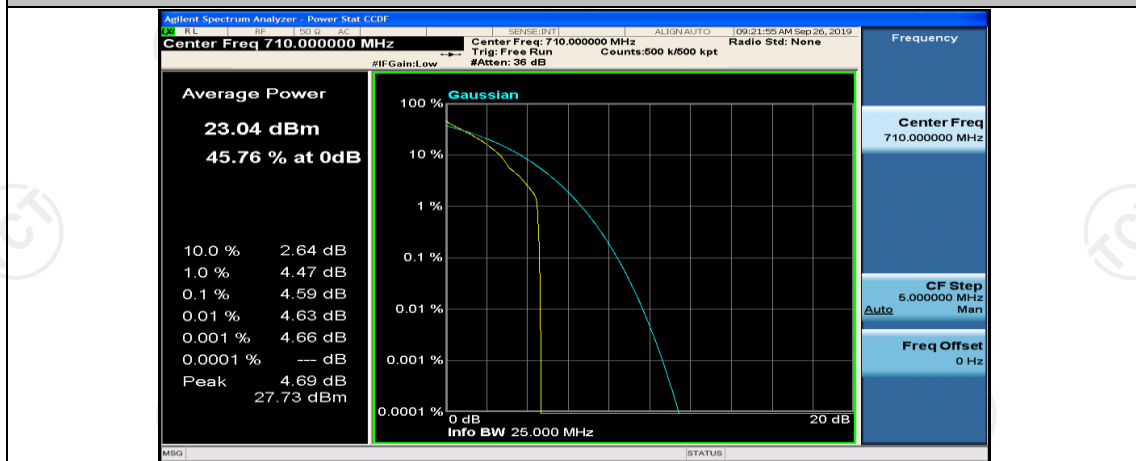




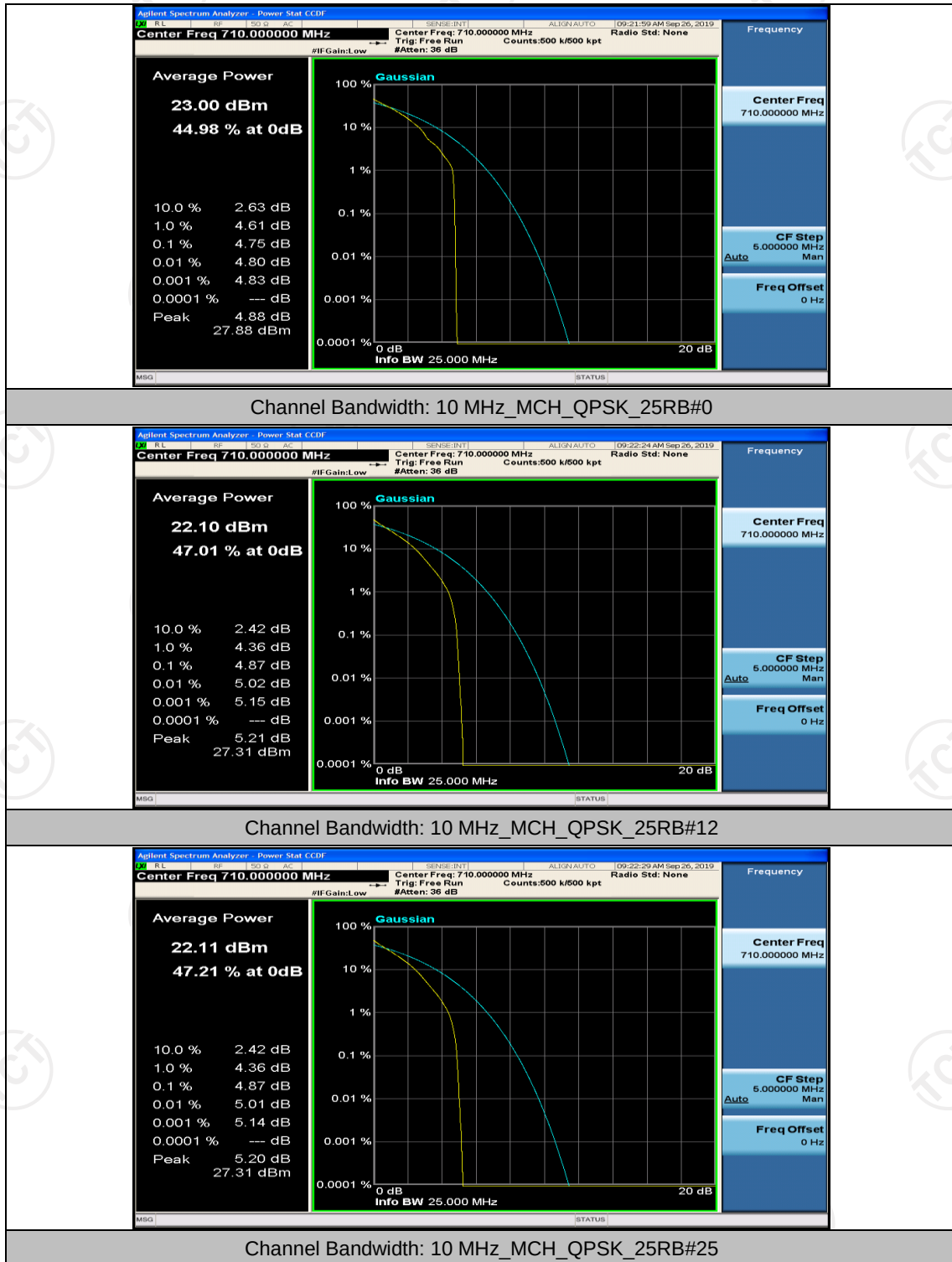
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

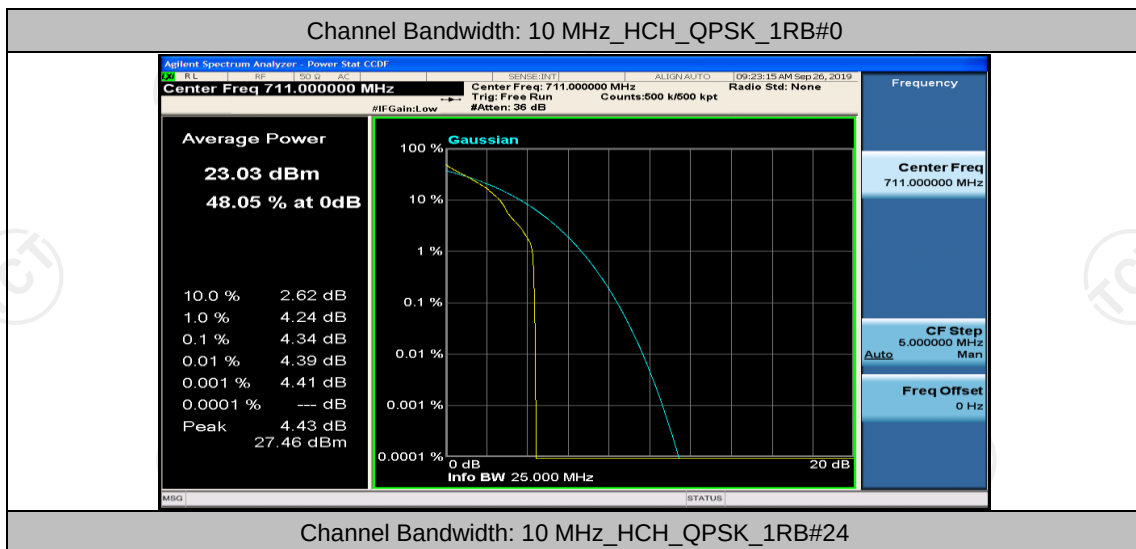
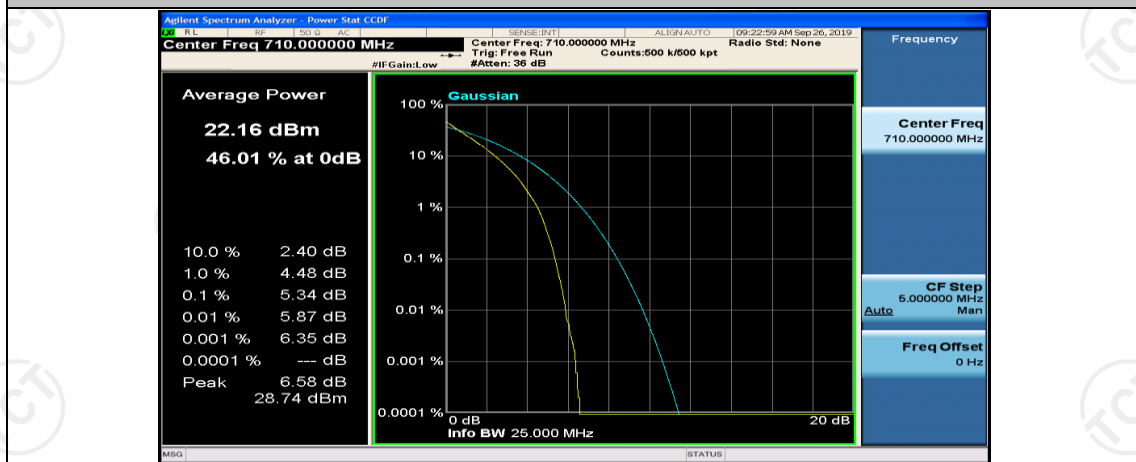
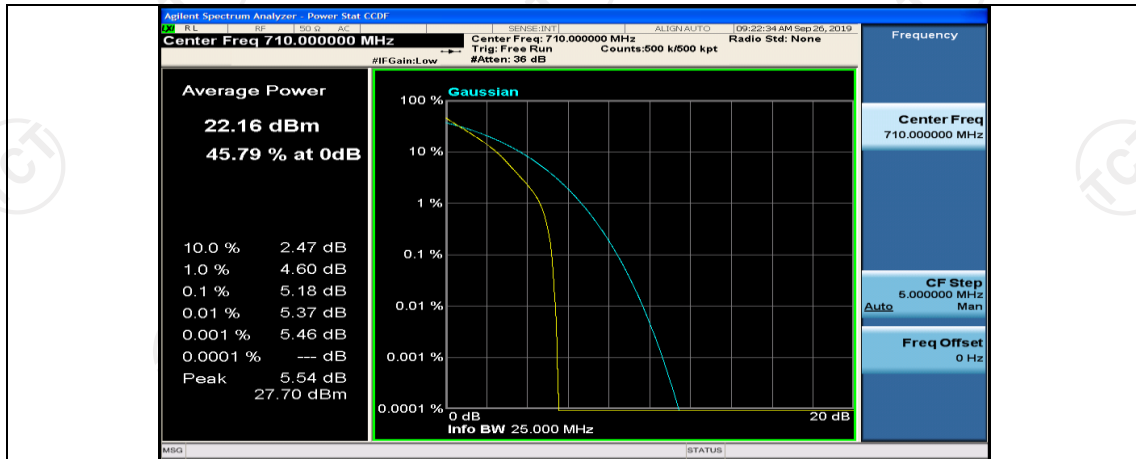


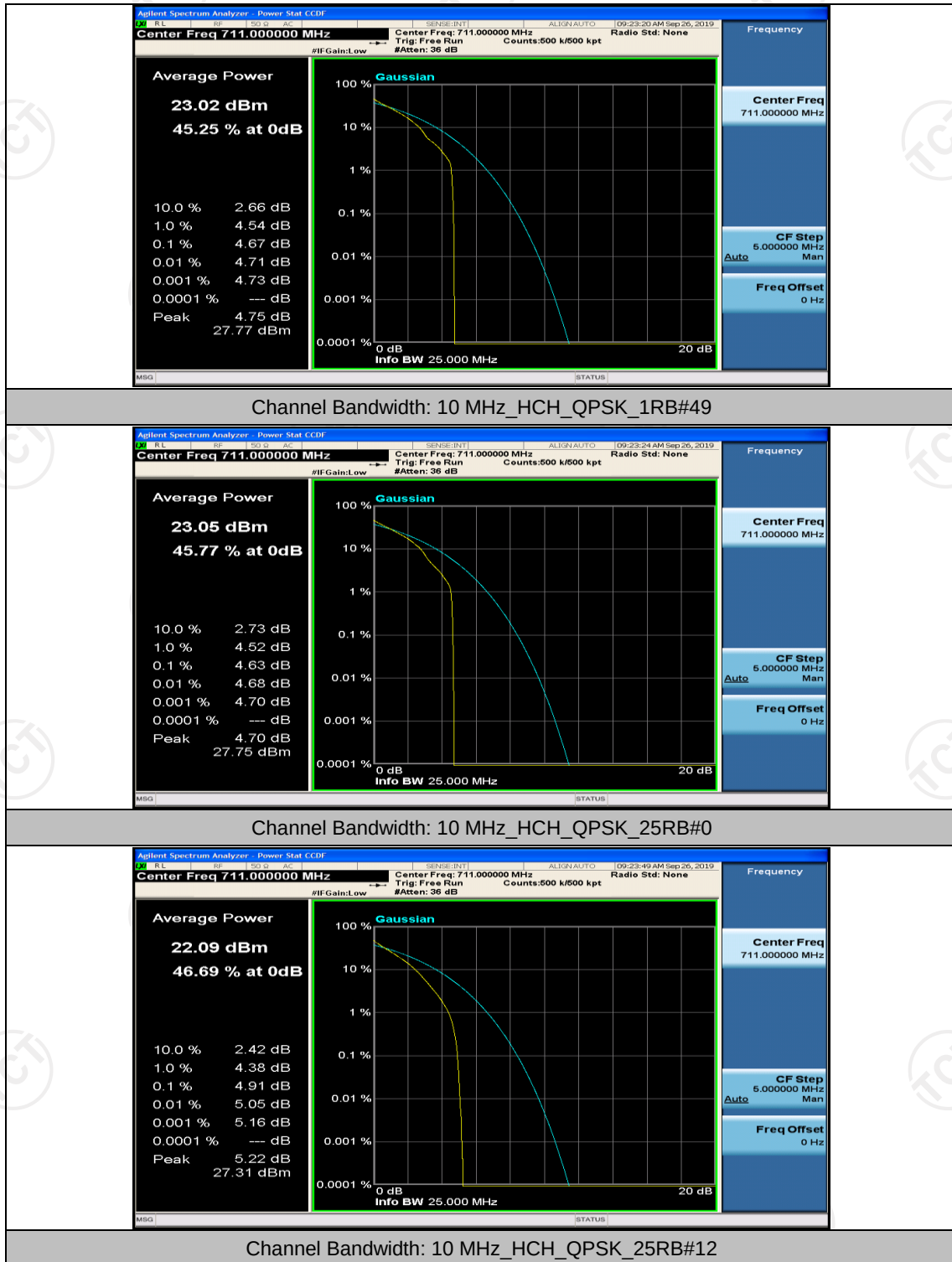
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

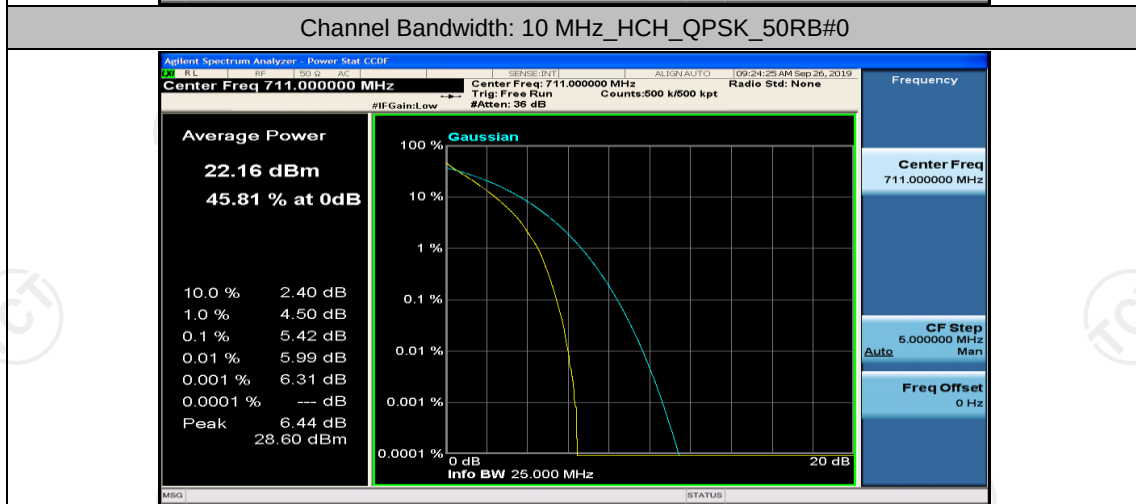
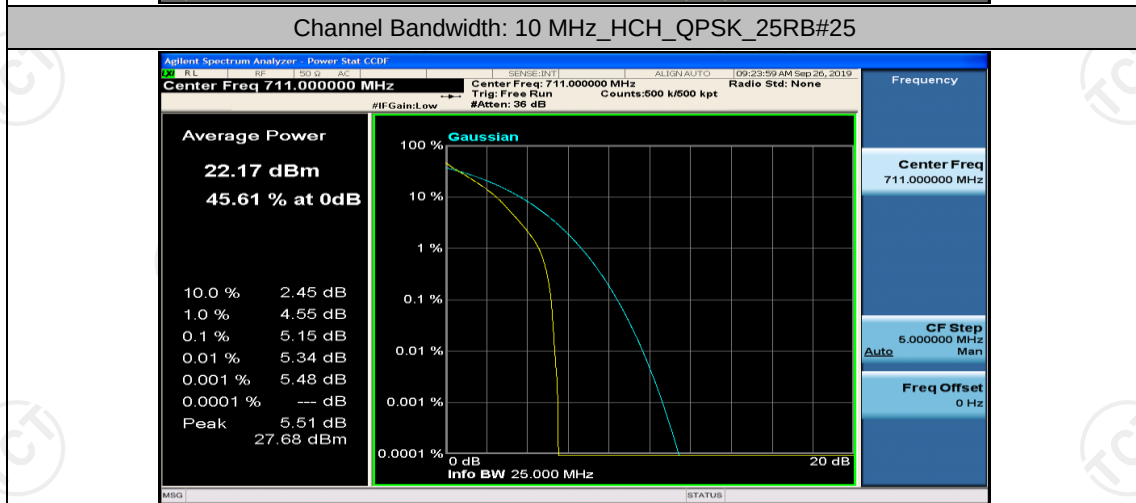
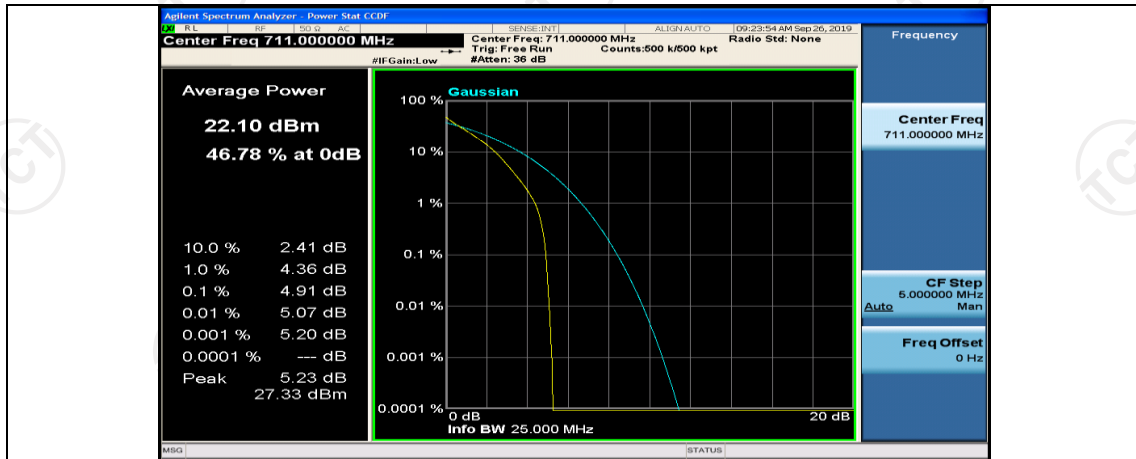


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

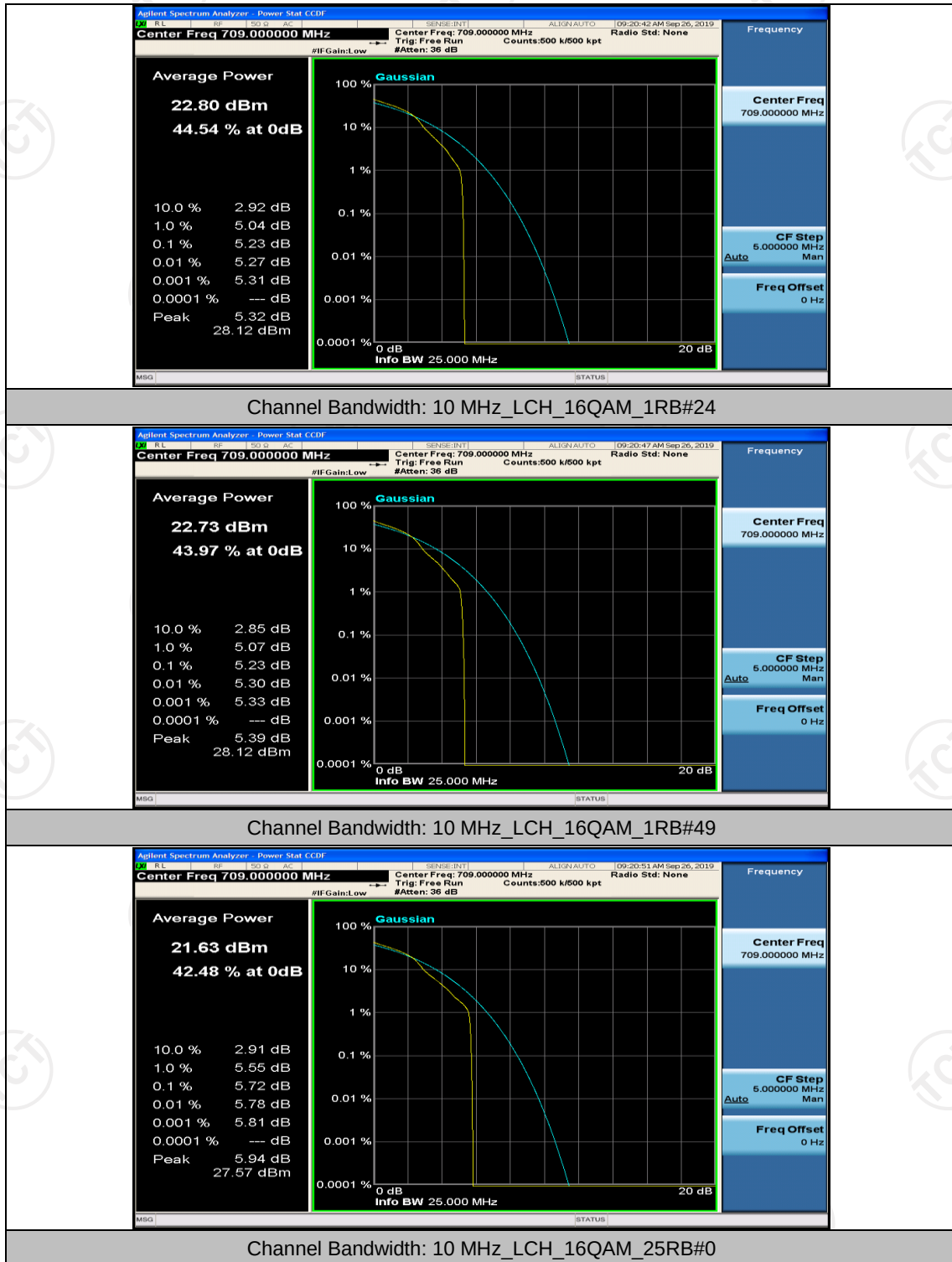


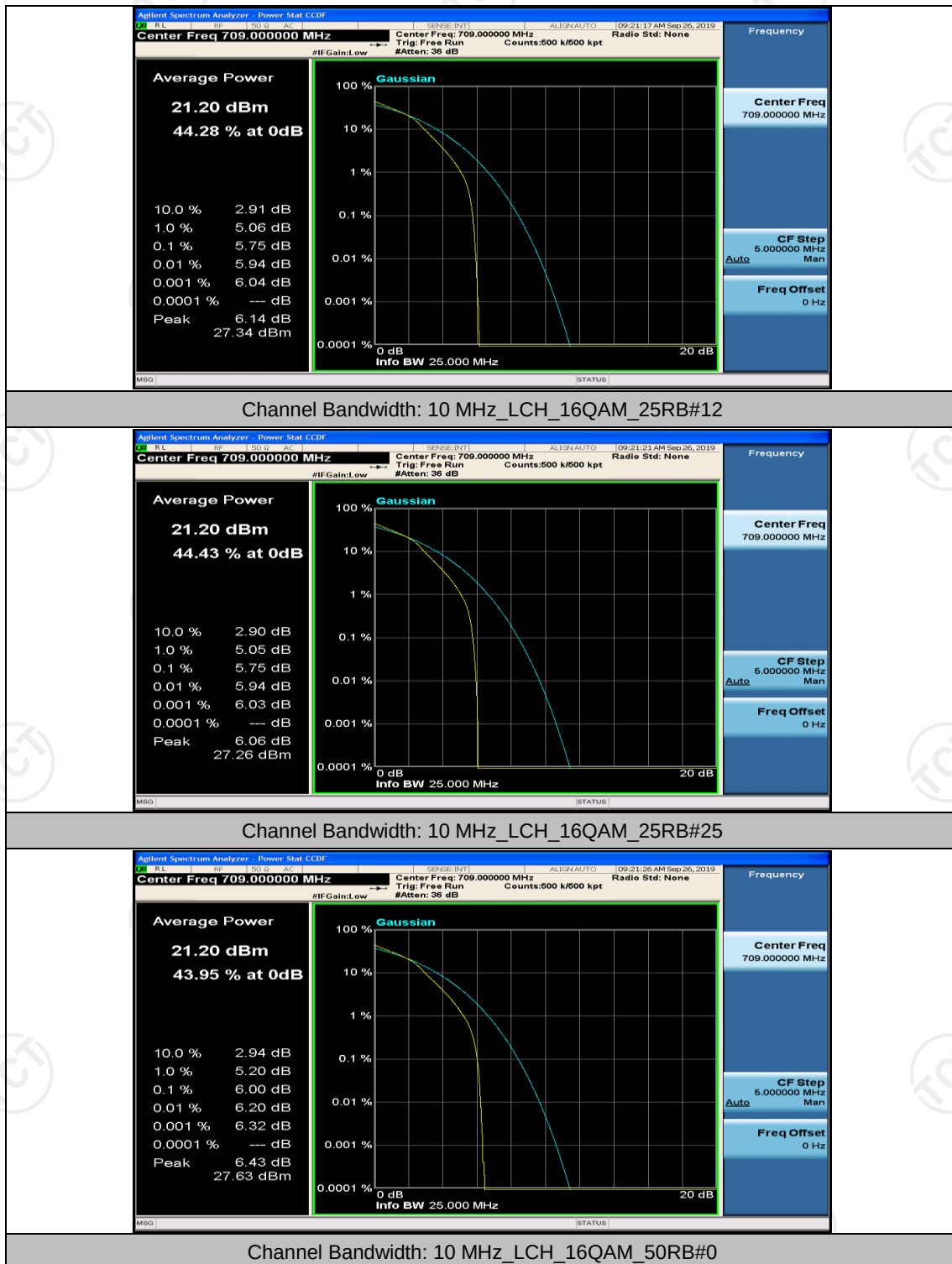


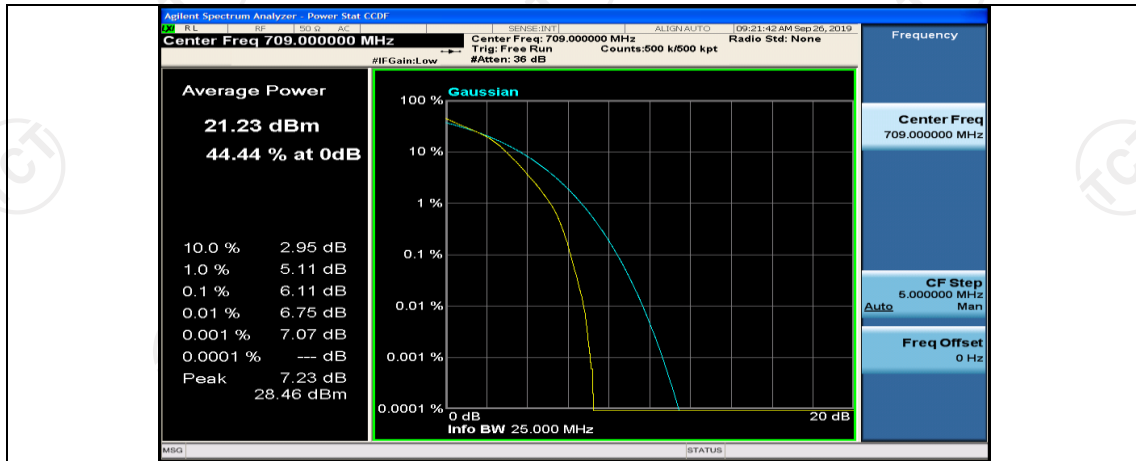




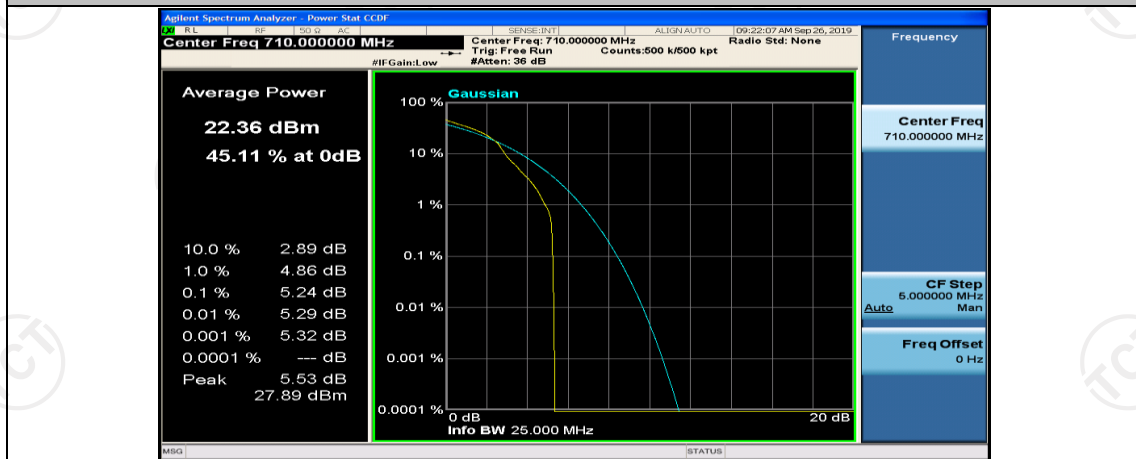
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



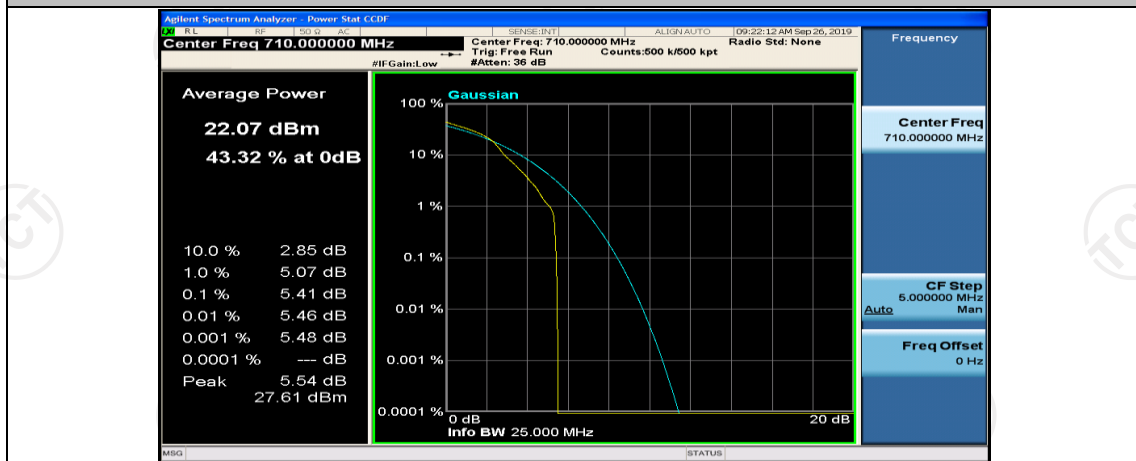




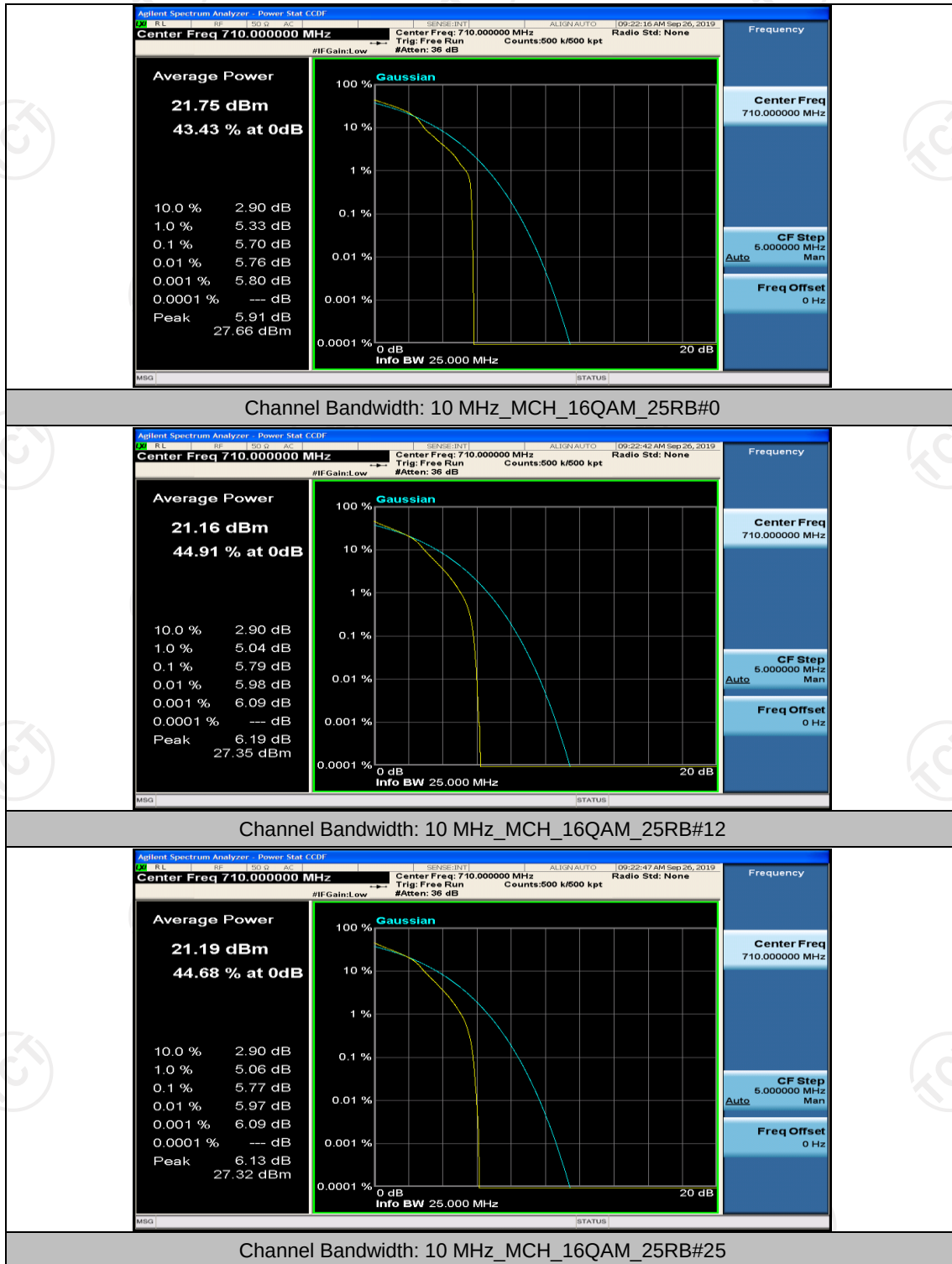
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

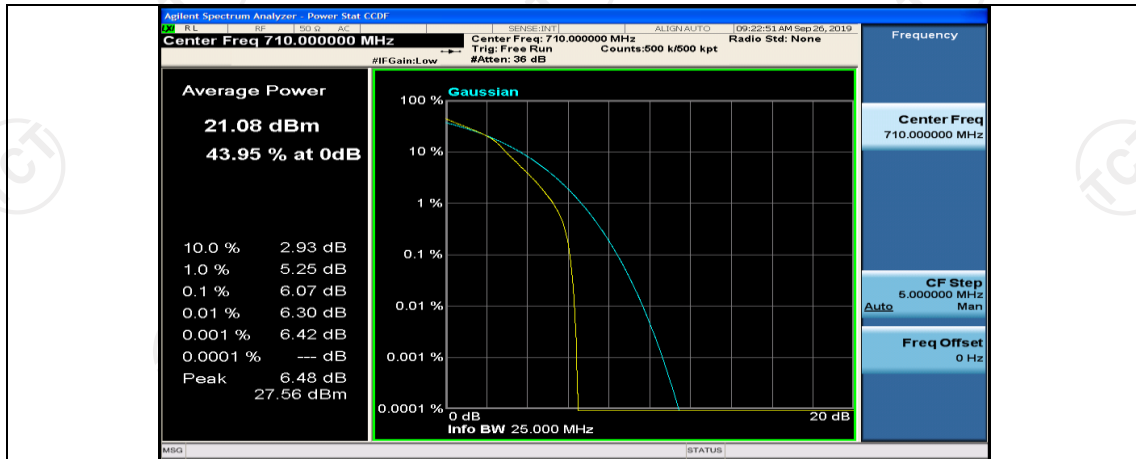


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

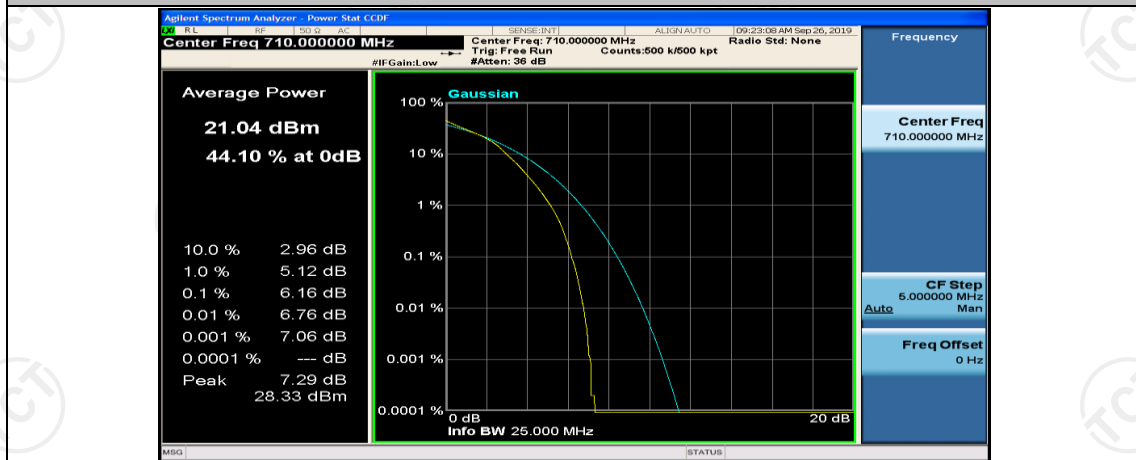


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

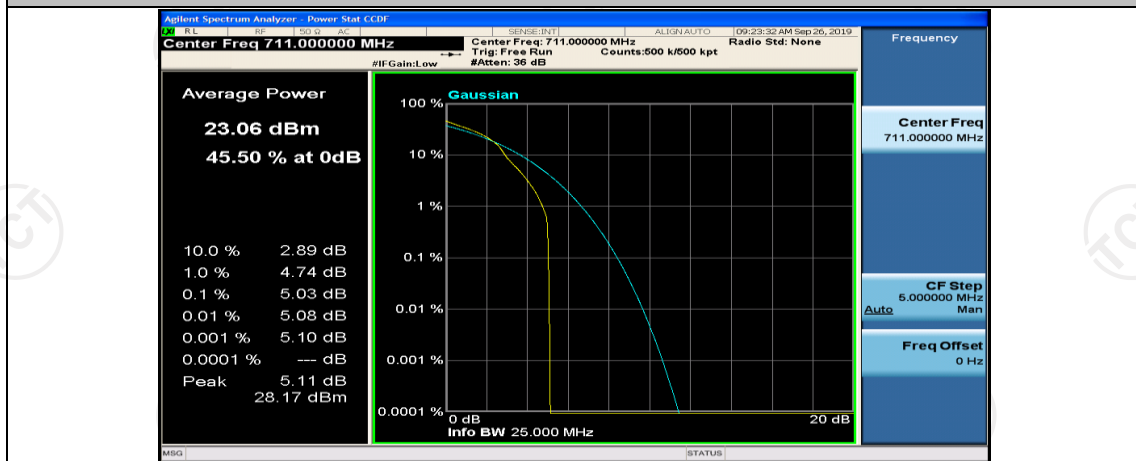




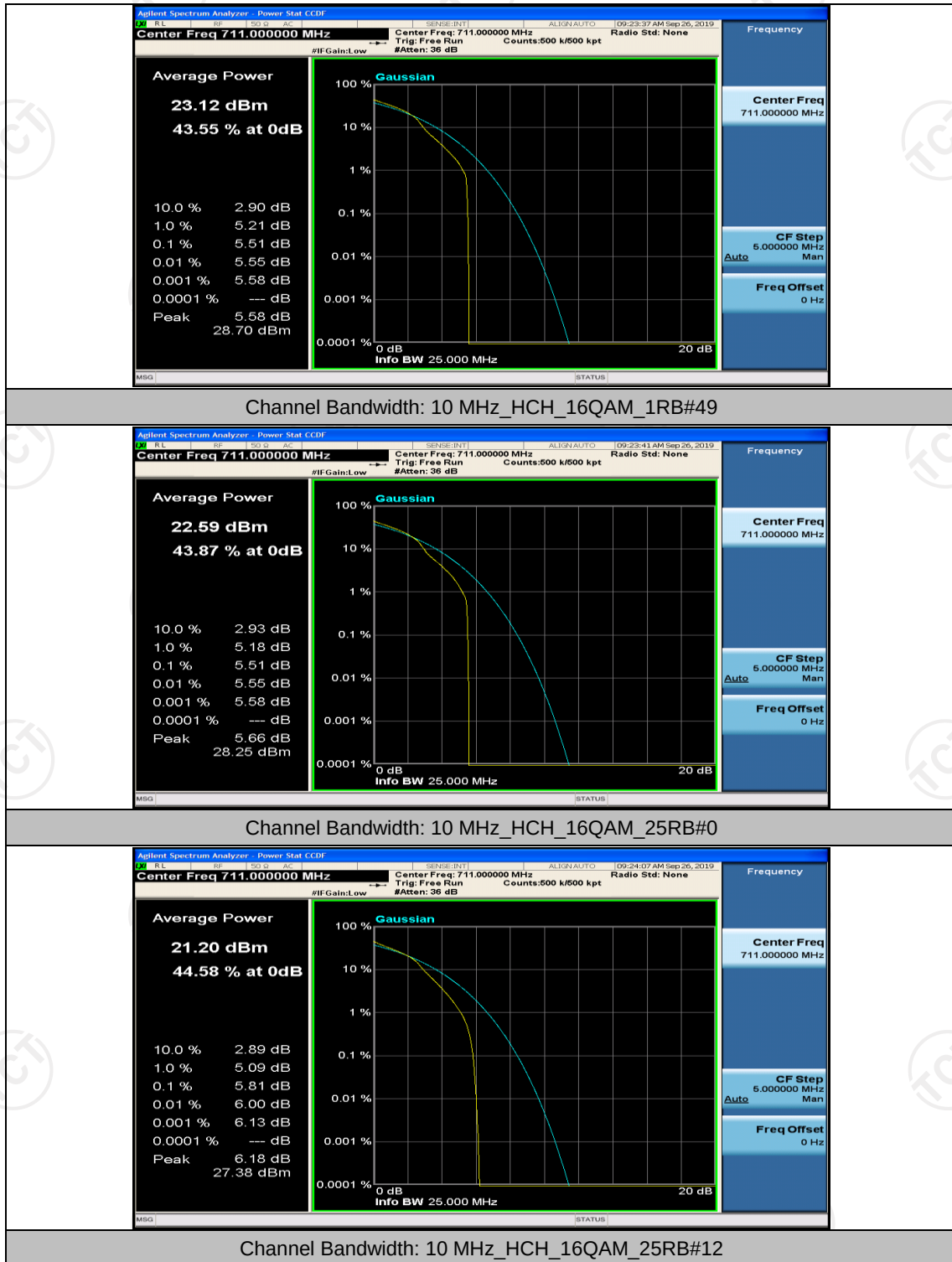
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

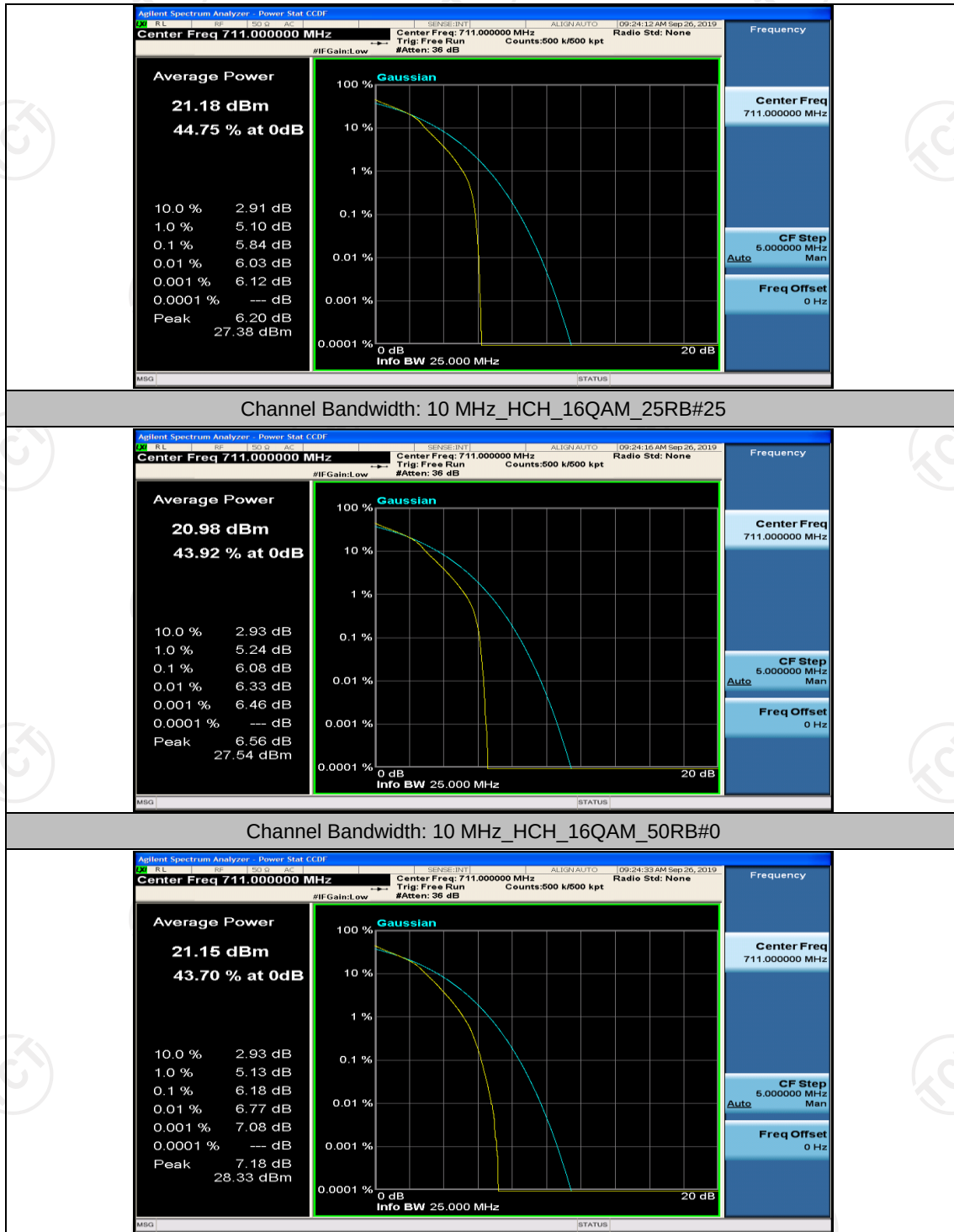


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





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	0.28813	0.4530	PASS
		1	12	0.37963	0.6383	PASS
		1	24	0.28836	0.4432	PASS
		12	0	2.1765	2.547	PASS
		12	6	2.1729	2.511	PASS
		12	13	2.1733	2.512	PASS
		25	0	4.4633	4.795	PASS
	MCH	1	0	0.28664	0.4878	PASS
		1	12	0.39878	0.5964	PASS
		1	24	0.29095	0.4579	PASS
		12	0	2.1711	2.505	PASS
		12	6	2.1687	2.513	PASS
		12	13	2.1717	2.493	PASS
		25	0	4.4660	4.781	PASS
	HCH	1	0	0.28461	0.4431	PASS
		1	12	0.37918	0.5830	PASS
		1	24	0.29293	0.4745	PASS
		12	0	2.1715	2.468	PASS
		12	6	2.1774	2.529	PASS
		12	13	2.1785	2.530	PASS
		25	0	4.4627	4.835	PASS
16QAM	LCH	1	0	0.28363	0.4335	PASS
		1	12	0.36527	0.5921	PASS
		1	24	0.28182	0.4582	PASS
		12	0	2.1663	2.489	PASS
		12	6	2.1647	2.481	PASS
		12	13	2.1661	2.469	PASS
		25	0	4.4659	4.809	PASS
	MCH	1	0	0.29641	0.4426	PASS

		1	12	0.43071	0.6257	PASS
		1	24	0.29025	0.4742	PASS
		12	0	2.1742	2.523	PASS
		12	6	2.1766	2.488	PASS
		12	13	2.1755	2.507	PASS
		25	0	4.4775	4.769	PASS
	HCH	1	0	0.29077	0.4496	PASS
		1	12	0.43316	0.6207	PASS
		1	24	0.30005	0.4402	PASS
		12	0	2.1759	2.516	PASS
		12	6	2.1759	2.500	PASS
		12	13	2.1740	2.508	PASS
		25	0	4.4644	4.792	PASS

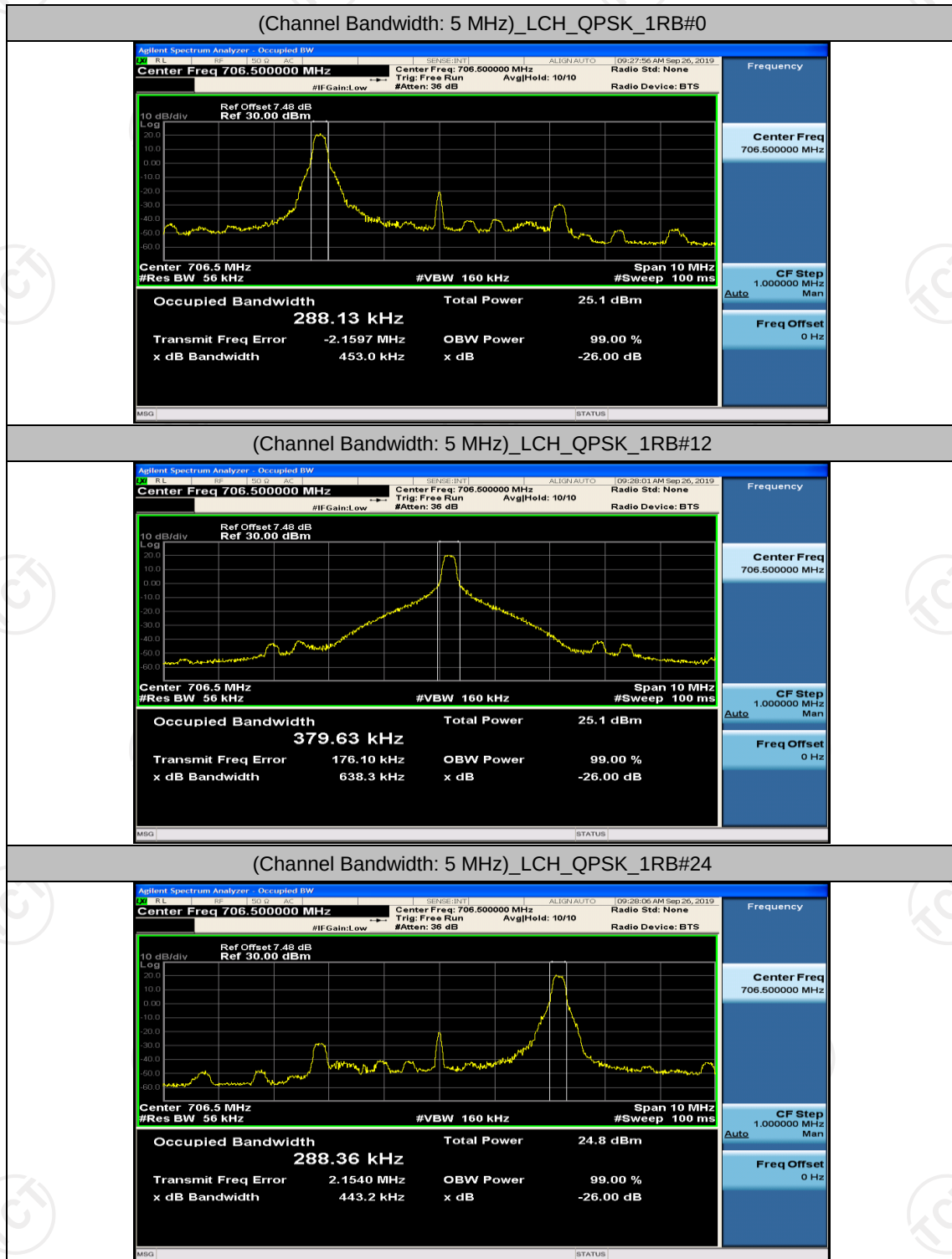
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.39004	0.5785	PASS
		1	25	0.46515	0.6864	PASS
		1	49	0.38338	0.5681	PASS
		25	0	4.5147	5.007	PASS
		25	12	4.5136	4.927	PASS
		25	25	4.5160	4.955	PASS
		50	0	8.9273	9.425	PASS
	MCH	1	0	0.38683	0.5701	PASS
		1	25	0.48032	0.7847	PASS
		1	49	0.38379	0.5575	PASS
		25	0	4.5070	4.871	PASS
		25	12	4.5061	4.921	PASS
		25	25	4.5104	4.970	PASS
		50	0	8.9390	9.445	PASS
	HCH	1	0	0.38165	0.5805	PASS
		1	25	0.46386	0.7408	PASS
		1	49	0.38308	0.5485	PASS
		25	0	4.5109	5.012	PASS
		25	12	4.5029	4.994	PASS
		25	25	4.5090	4.971	PASS
		50	0	8.9379	9.425	PASS
16QAM	LCH	1	0	0.38483	0.5614	PASS

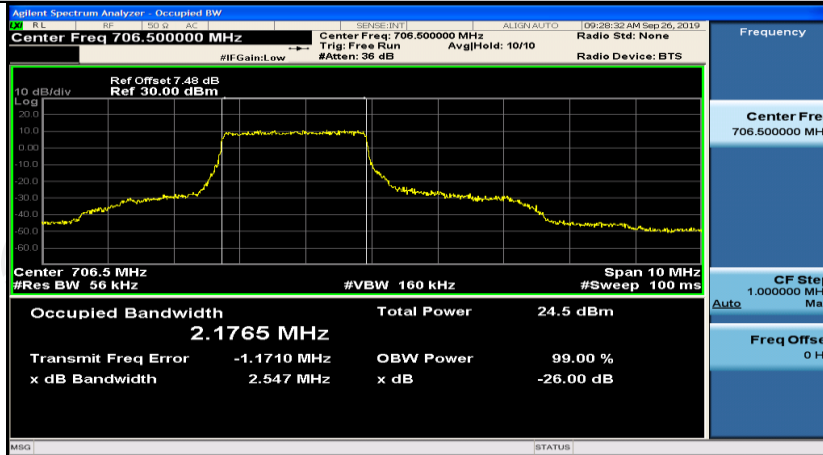
		1	25	0.44975	0.6875	PASS
		1	49	0.38845	0.5684	PASS
		25	0	4.5078	4.862	PASS
		25	12	4.4987	4.947	PASS
		25	25	4.5196	4.992	PASS
		50	0	8.9109	9.431	PASS
		50	0	8.9109	9.431	PASS
	MCH	1	0	0.38478	0.5749	PASS
		1	25	0.47962	0.7528	PASS
		1	49	0.38984	0.5737	PASS
		25	0	4.4980	4.975	PASS
		25	12	4.5050	4.941	PASS
		25	25	4.5057	4.967	PASS
		50	0	8.9314	9.478	PASS
	HCH	1	0	0.37609	0.5642	PASS
		1	25	0.47553	0.7421	PASS
		1	49	0.38461	0.5561	PASS
		25	0	4.4964	4.980	PASS
		25	12	4.5114	4.977	PASS
		25	25	4.5087	5.020	PASS
		50	0	8.9312	9.457	PASS

Test Graphs

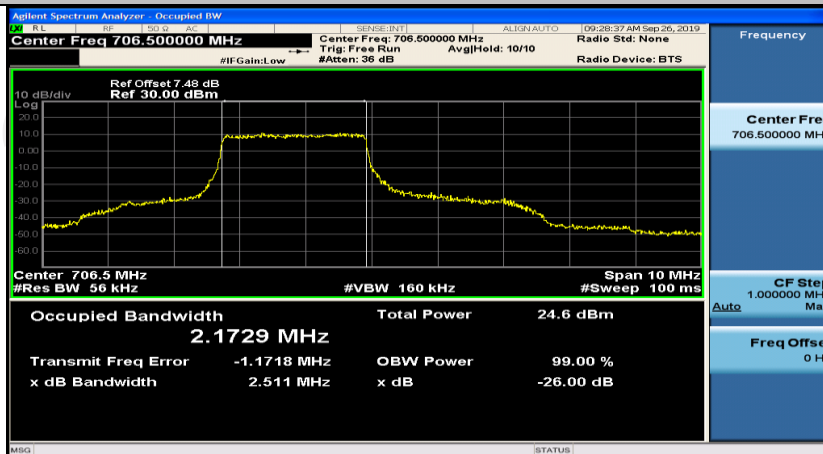
Channel Bandwidth: 5 MHz



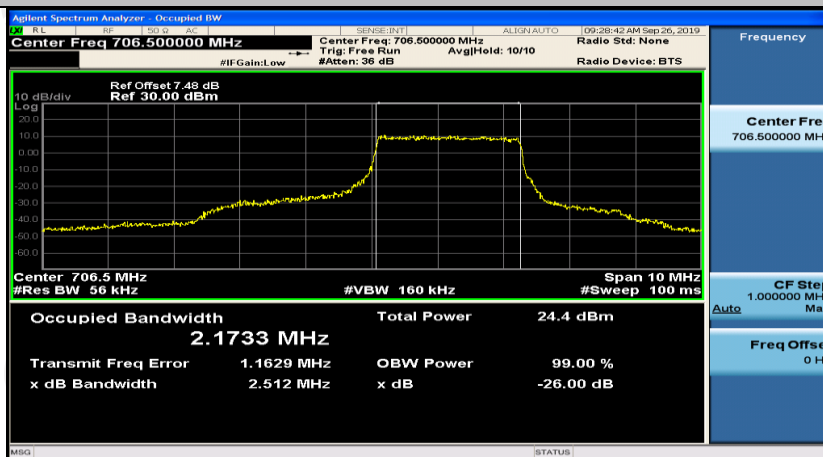
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



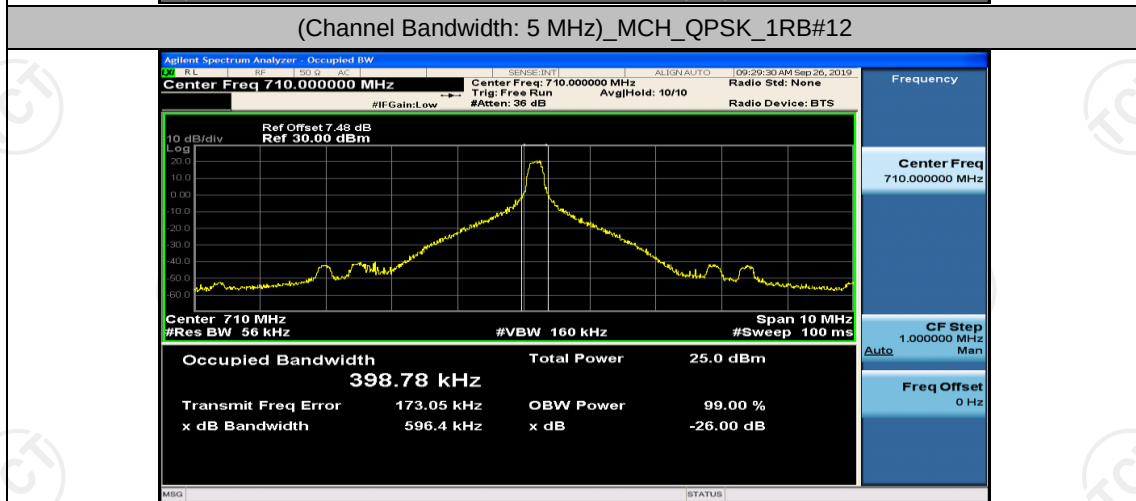
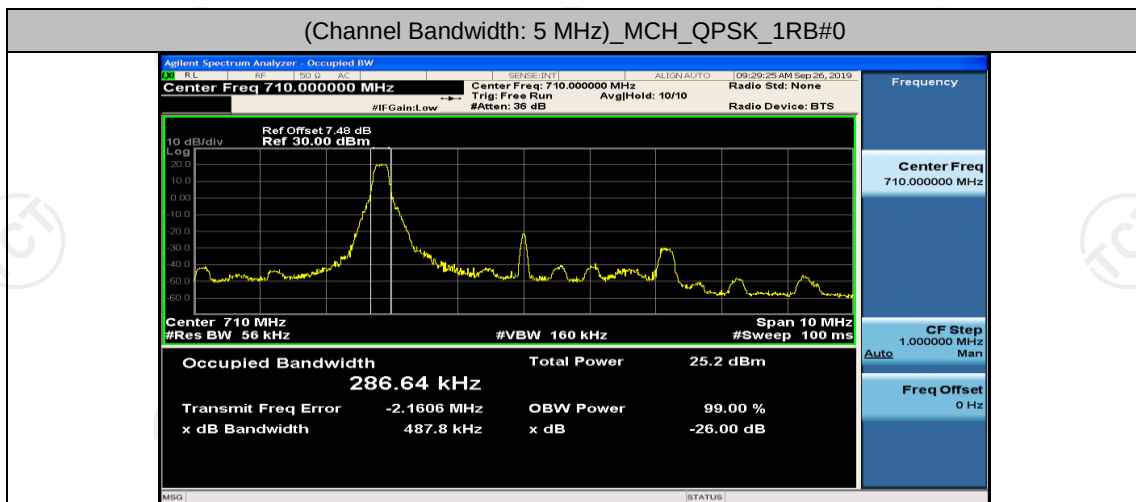
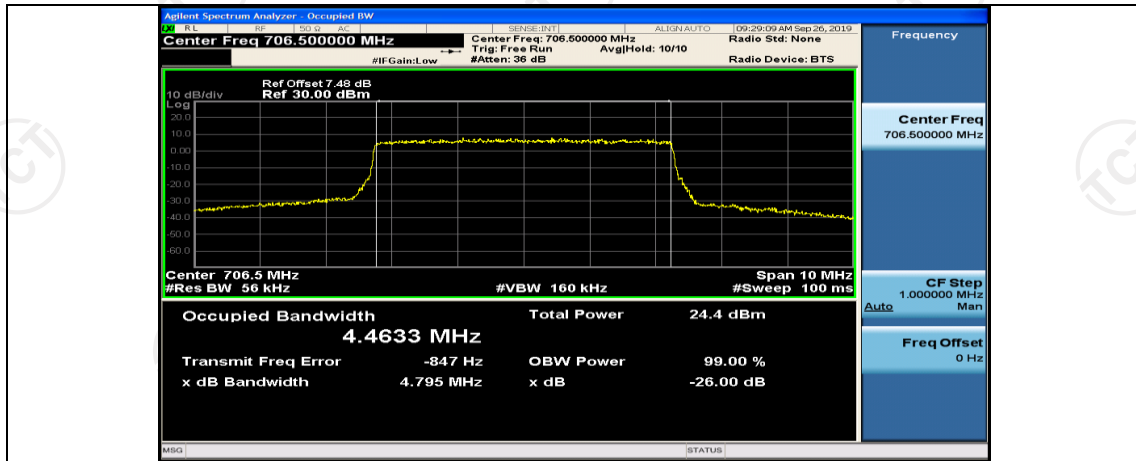
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

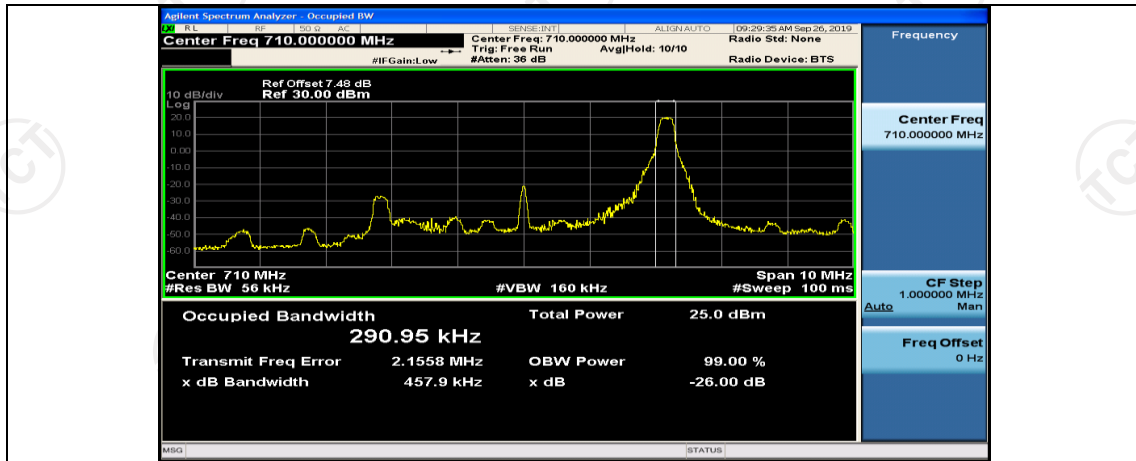


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

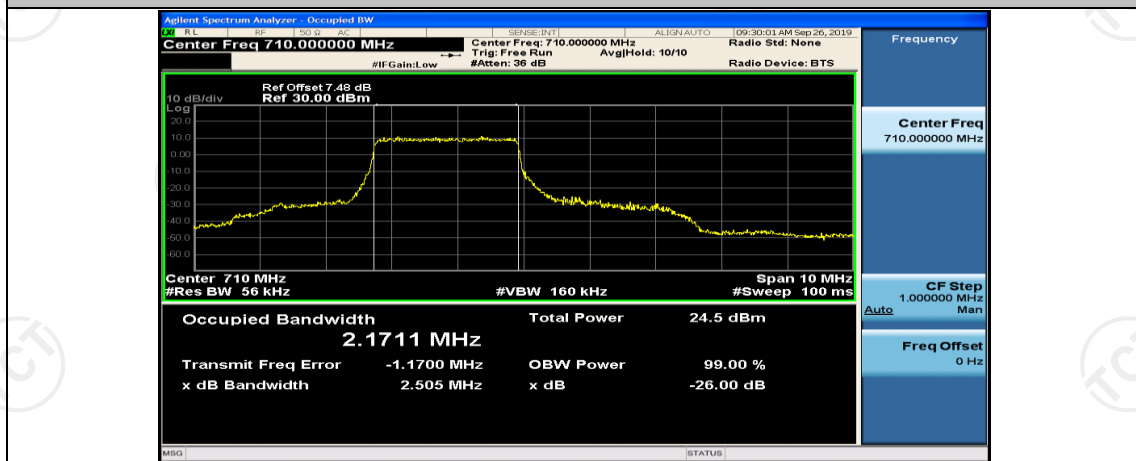


(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

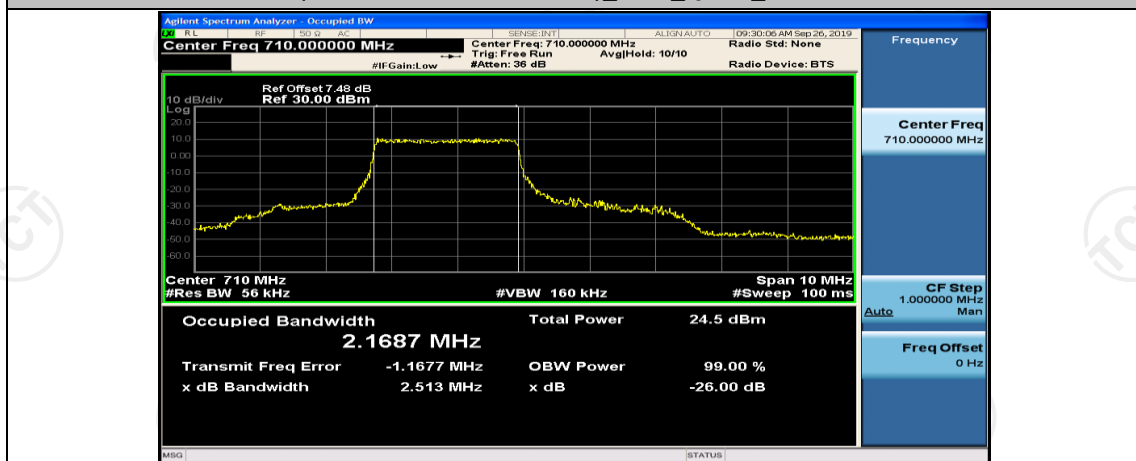




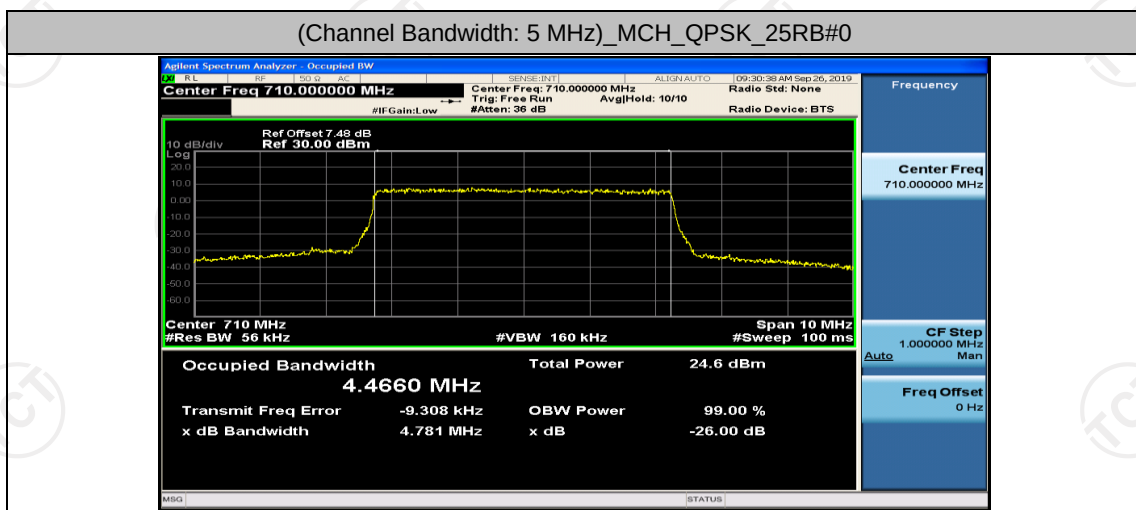
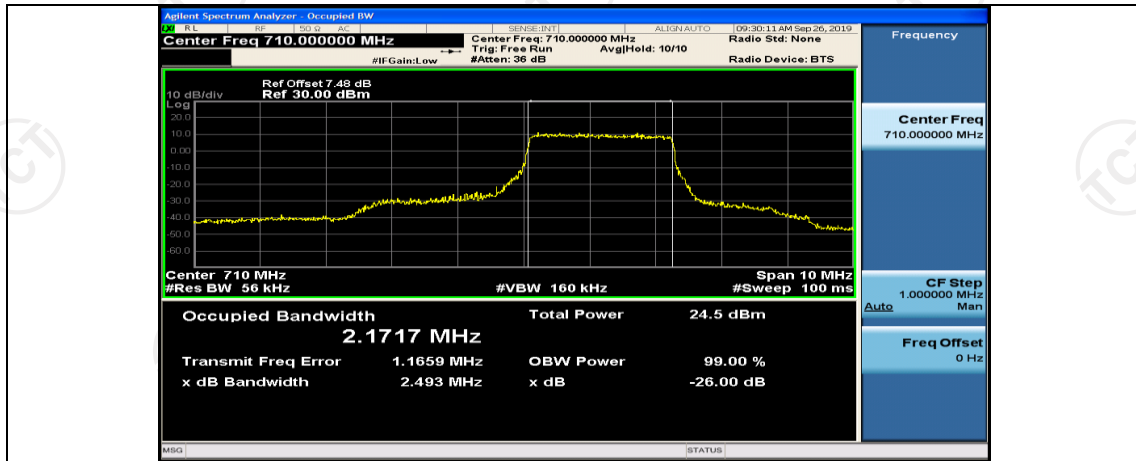
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



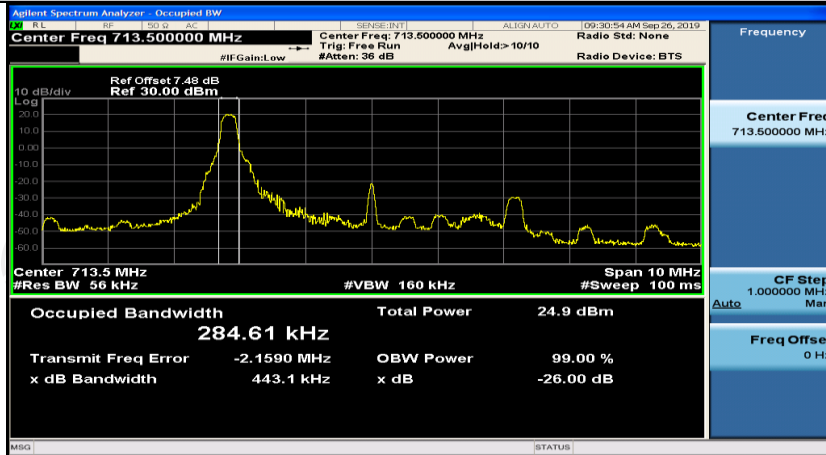
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



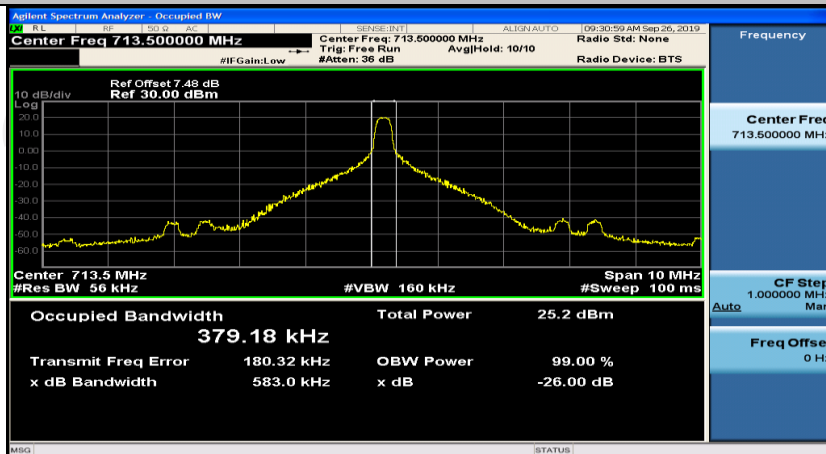
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



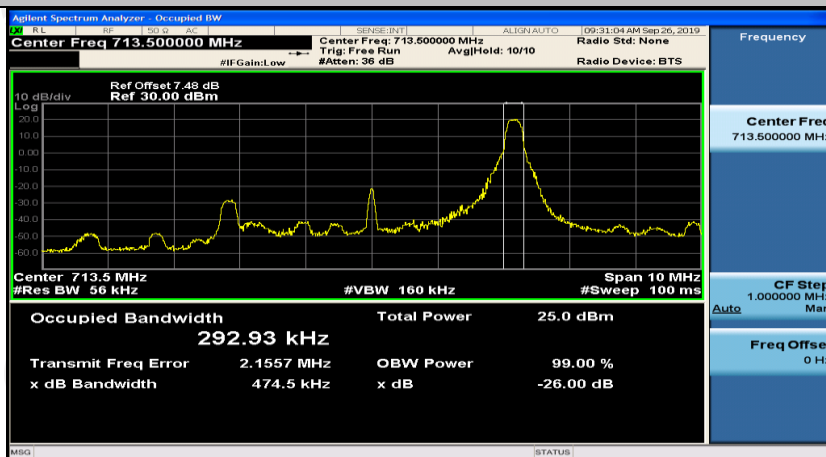
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



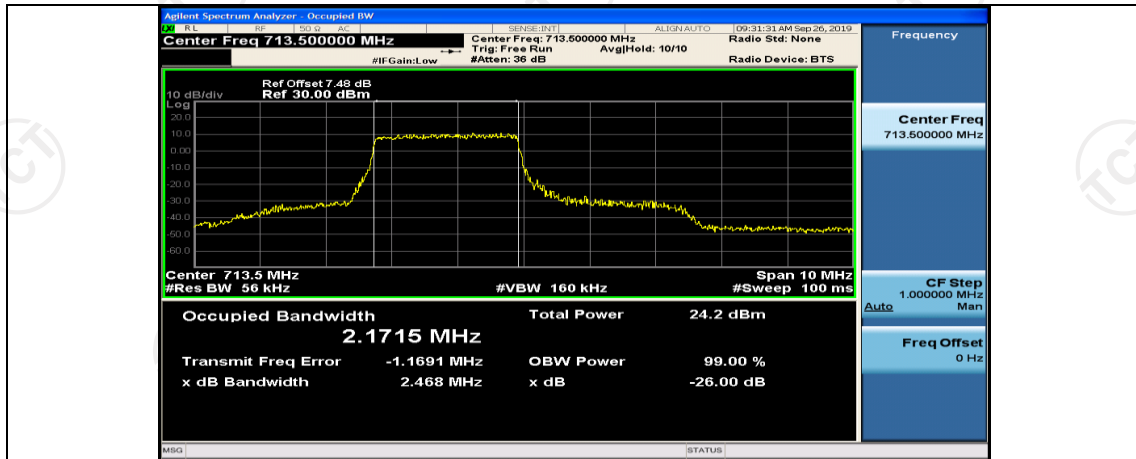
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



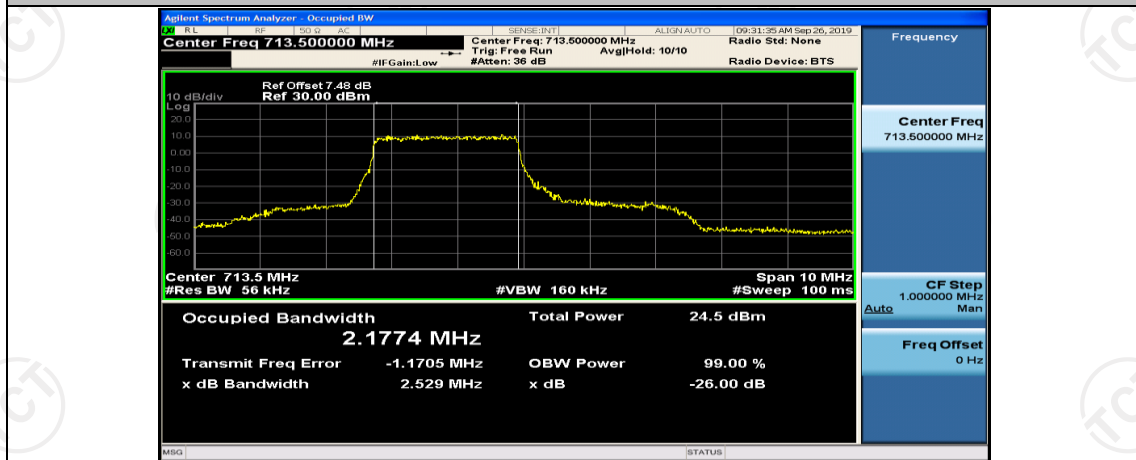
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



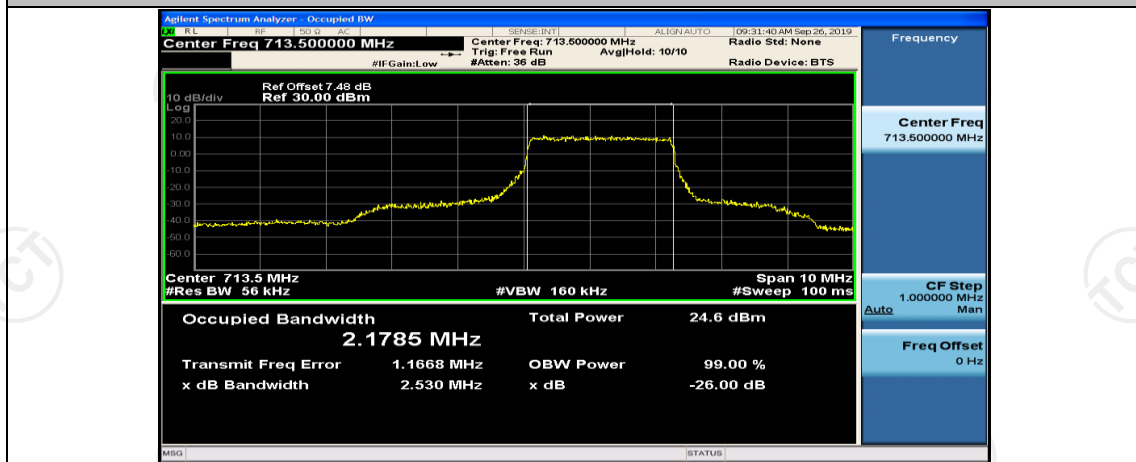
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0