

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	24.32	26.22	PASS
		1	12	24.55	26.45	PASS
		1	24	24.93	26.83	PASS
		12	0	23.30	25.20	PASS
		12	6	23.26	25.16	PASS
		12	13	24.01	25.91	PASS
		25	0	23.60	25.50	PASS
	MCH	1	0	24.81	26.71	PASS
		1	12	24.06	25.96	PASS
		1	24	24.09	25.99	PASS
		12	0	23.80	25.70	PASS
		12	6	23.33	25.23	PASS
		12	13	23.41	25.31	PASS
		25	0	23.49	25.39	PASS
	HCH	1	0	24.56	26.46	PASS
		1	12	23.07	24.97	PASS
		1	24	23.55	25.45	PASS
		12	0	22.75	24.65	PASS
		12	6	22.17	24.07	PASS
		12	13	22.56	24.46	PASS
		25	0	22.68	24.58	PASS
16QAM	LCH	1	0	23.49	25.39	PASS
		1	12	23.85	25.75	PASS
		1	24	24.36	26.26	PASS
		12	0	22.57	24.47	PASS
		12	6	22.55	24.45	PASS
		12	13	23.37	25.27	PASS
		25	0	22.91	24.81	PASS
	MCH	1	0	24.23	26.13	PASS
		1	12	23.46	25.36	PASS
		1	24	23.52	25.42	PASS
		12	0	23.20	25.10	PASS
		12	6	22.70	24.60	PASS
		12	13	22.75	24.65	PASS

		25	0	22.79	24.69	PASS
		1	0	23.92	25.82	PASS
		1	12	22.36	24.26	PASS
		1	24	22.92	24.82	PASS
	HCH	12	0	21.97	23.87	PASS
		12	6	21.35	23.25	PASS
		12	13	21.78	23.68	PASS
		25	0	21.92	23.82	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	24.45	26.35	PASS
		1	24	24.16	26.06	PASS
		1	49	23.83	25.73	PASS
		25	0	23.62	25.52	PASS
		25	12	23.43	25.33	PASS
		25	25	23.17	25.07	PASS
		50	0	23.51	25.41	PASS
	MCH	1	0	24.76	26.66	PASS
		1	24	24.01	25.91	PASS
		1	49	23.83	25.73	PASS
		25	0	23.63	25.53	PASS
		25	12	23.03	24.93	PASS
		25	25	22.77	24.67	PASS
		50	0	23.20	25.10	PASS
	HCH	1	0	25.01	26.91	PASS
		1	24	23.71	25.61	PASS
		1	49	23.66	25.56	PASS
		25	0	23.93	25.83	PASS
		25	12	22.96	24.86	PASS
		25	25	22.77	24.67	PASS
		50	0	23.14	25.04	PASS
16QAM	LCH	1	0	23.89	25.79	PASS
		1	24	23.65	25.55	PASS
		1	49	23.27	25.17	PASS
		25	0	22.94	24.84	PASS
		25	12	22.74	24.64	PASS
		25	25	22.42	24.32	PASS
		50	0	22.81	24.71	PASS

	MCH	1	0	24.28	26.18	PASS
		1	24	23.55	25.45	PASS
		1	49	23.33	25.23	PASS
		25	0	22.98	24.88	PASS
		25	12	22.34	24.24	PASS
		25	25	22.02	23.92	PASS
		50	0	22.51	24.41	PASS
	HCH	1	0	24.47	26.37	PASS
		1	24	23.14	25.04	PASS
		1	49	23.09	24.99	PASS
		25	0	23.28	25.18	PASS
		25	12	22.23	24.13	PASS
		25	25	22.00	23.90	PASS
		50	0	22.43	24.33	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	3.75	<13	PASS
		1	12	3.74	<13	PASS
		1	24	3.63	<13	PASS
		12	0	4.62	<13	PASS
		12	6	4.54	<13	PASS
		12	13	4.63	<13	PASS
		25	0	5.08	<13	PASS
	MCH	1	0	3.70	<13	PASS
		1	12	3.65	<13	PASS
		1	24	3.54	<13	PASS
		12	0	4.63	<13	PASS
		12	6	4.52	<13	PASS
		12	13	4.54	<13	PASS
		25	0	5.02	<13	PASS
	HCH	1	0	3.60	<13	PASS
		1	12	3.66	<13	PASS
		1	24	3.78	<13	PASS
		12	0	4.52	<13	PASS
		12	6	4.46	<13	PASS
		12	13	4.52	<13	PASS
		25	0	4.84	<13	PASS
16QAM	LCH	1	0	4.49	<13	PASS
		1	12	4.42	<13	PASS
		1	24	4.26	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.29	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.78	<13	PASS
	MCH	1	0	4.34	<13	PASS
		1	12	4.30	<13	PASS
		1	24	4.15	<13	PASS
		12	0	5.36	<13	PASS

		12	6	5.27	<13	PASS
		12	13	5.28	<13	PASS
		25	0	5.72	<13	PASS
	HCH	1	0	4.24	<13	PASS
		1	12	4.34	<13	PASS
		1	24	4.45	<13	PASS
		12	0	5.28	<13	PASS
		12	6	5.24	<13	PASS
		12	13	5.29	<13	PASS
		25	0	5.60	<13	PASS

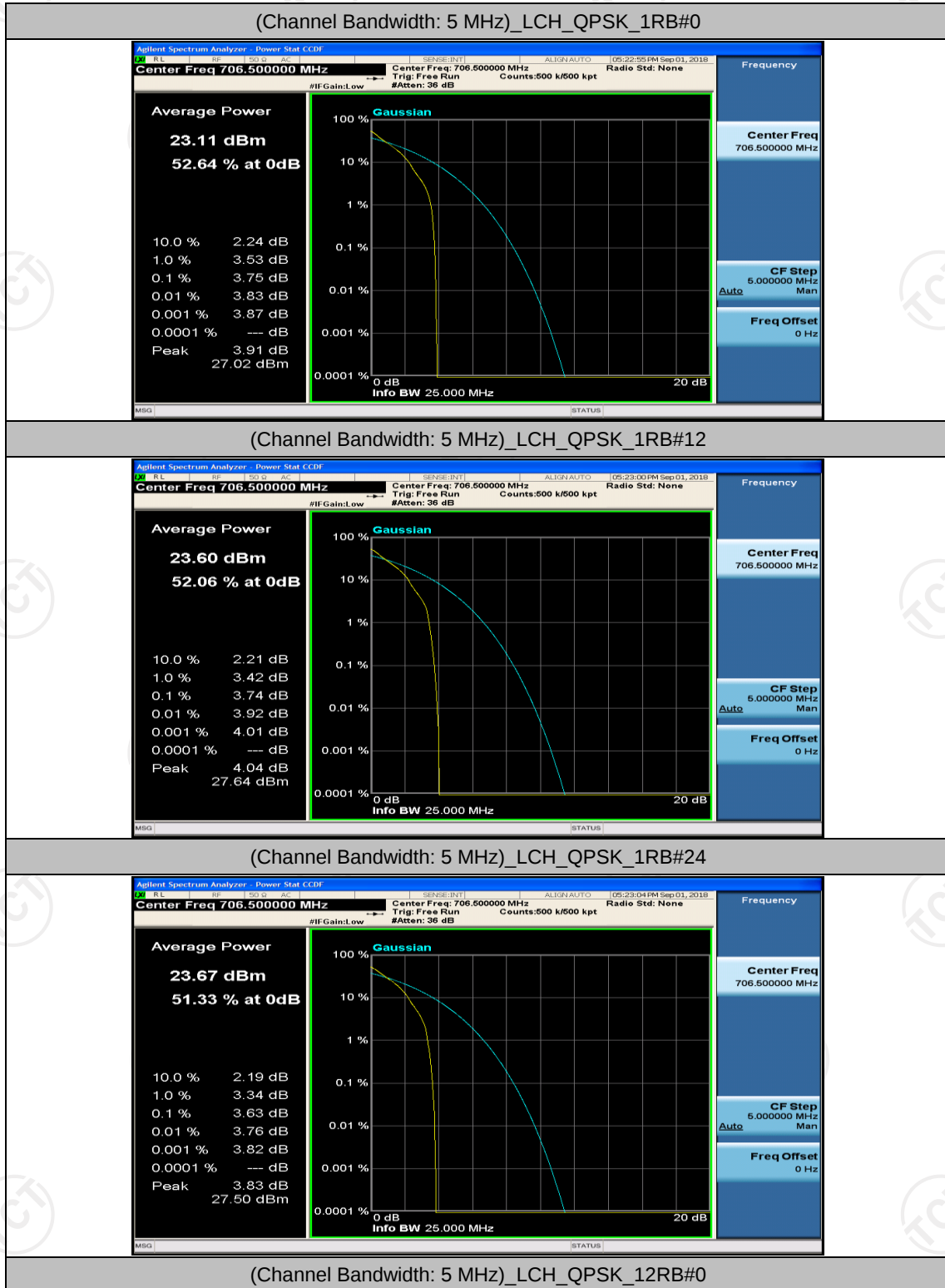
Channel Bandwidth: 10 MHz

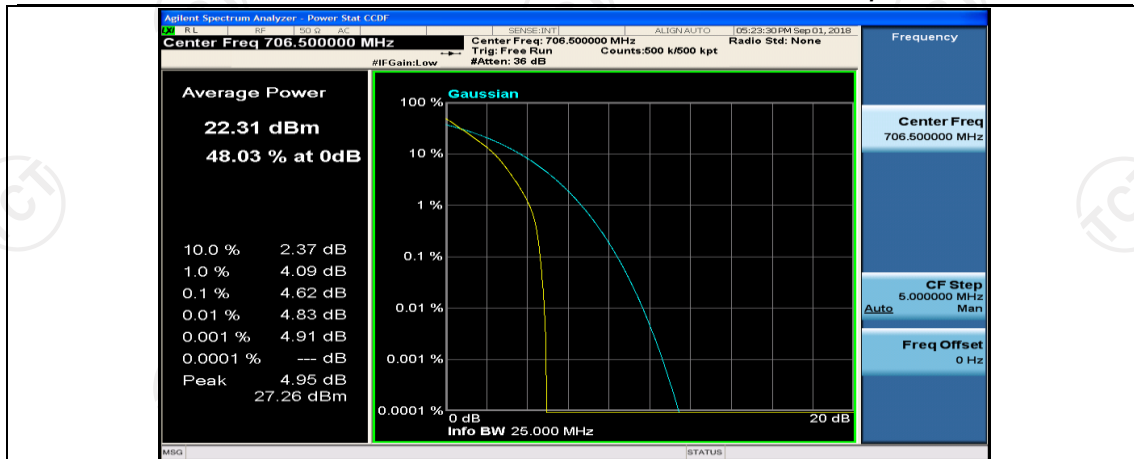
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.74	<13	PASS
		1	24	3.69	<13	PASS
		1	49	3.61	<13	PASS
		25	0	4.76	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.72	<13	PASS
		50	0	5.24	<13	PASS
	MCH	1	0	3.78	<13	PASS
		1	24	3.63	<13	PASS
		1	49	3.64	<13	PASS
		25	0	4.8	<13	PASS
		25	12	4.73	<13	PASS
		25	25	4.67	<13	PASS
		50	0	5.24	<13	PASS
	HCH	1	0	3.69	<13	PASS
		1	24	3.66	<13	PASS
		1	49	3.71	<13	PASS
		25	0	4.78	<13	PASS
		25	12	4.66	<13	PASS
		25	25	4.60	<13	PASS
		50	0	5.19	<13	PASS
16QAM	LCH	1	0	4.47	<13	PASS
		1	24	4.29	<13	PASS
		1	49	4.41	<13	PASS
		25	0	5.52	<13	PASS
		25	12	5.41	<13	PASS

		25	25	5.49	<13	PASS
		50	0	5.82	<13	PASS
	MCH	1	0	4.45	<13	PASS
		1	24	4.32	<13	PASS
		1	49	4.44	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.89	<13	PASS
	HCH	1	0	4.43	<13	PASS
		1	24	4.37	<13	PASS
		1	49	4.51	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.41	<13	PASS
		25	25	5.42	<13	PASS
		50	0	5.85	<13	PASS

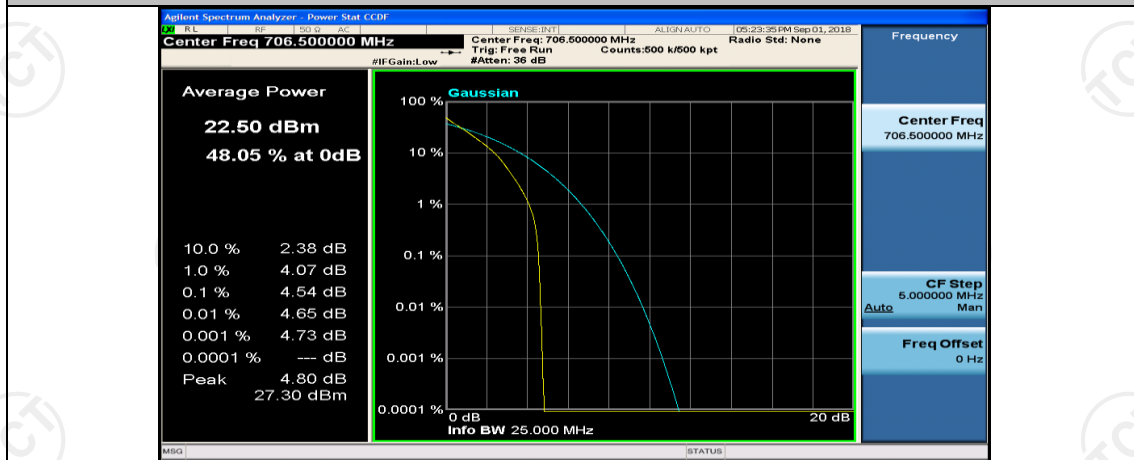
Test Graphs

Channel Bandwidth: 5 MHz

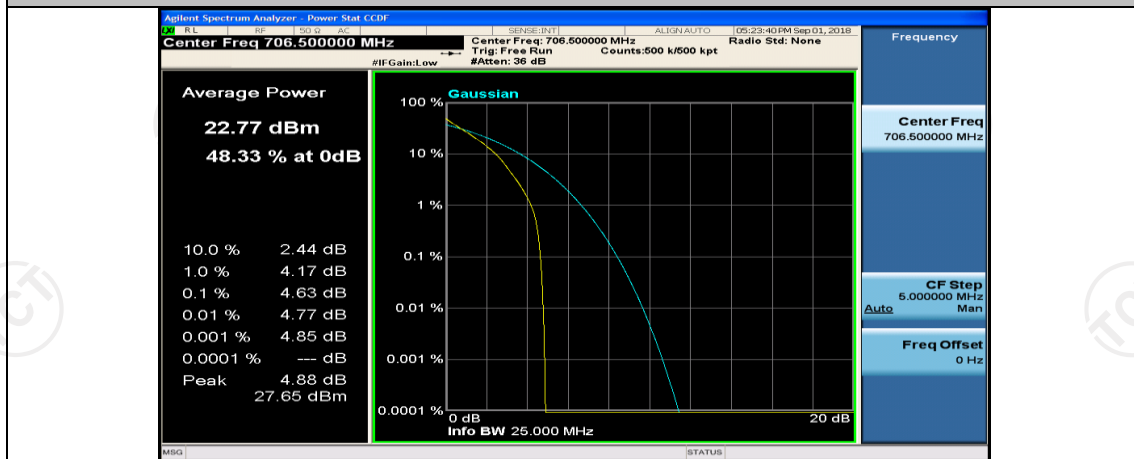




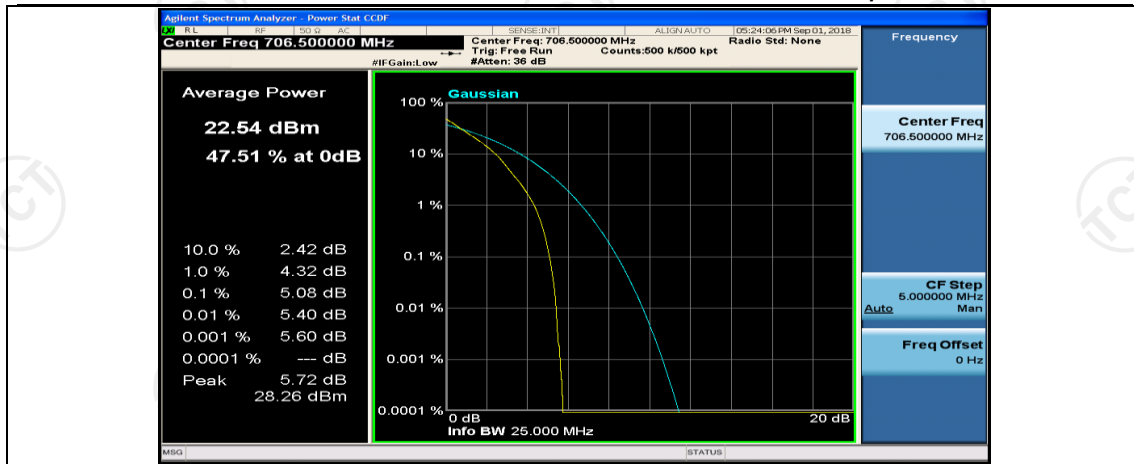
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



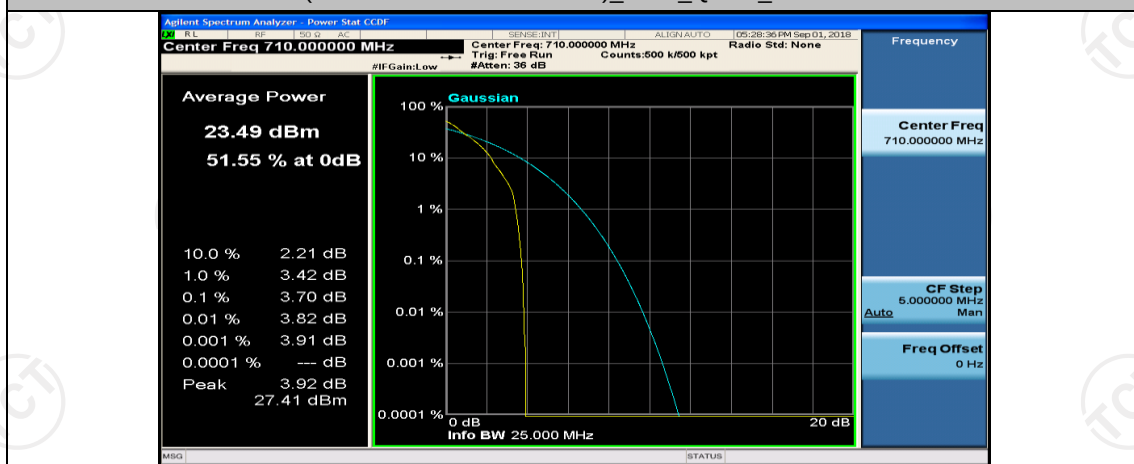
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



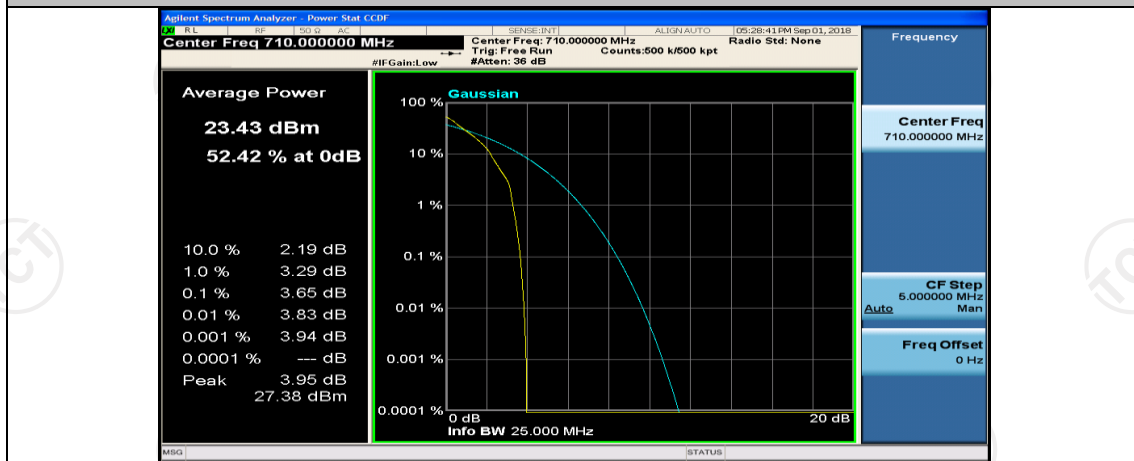
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



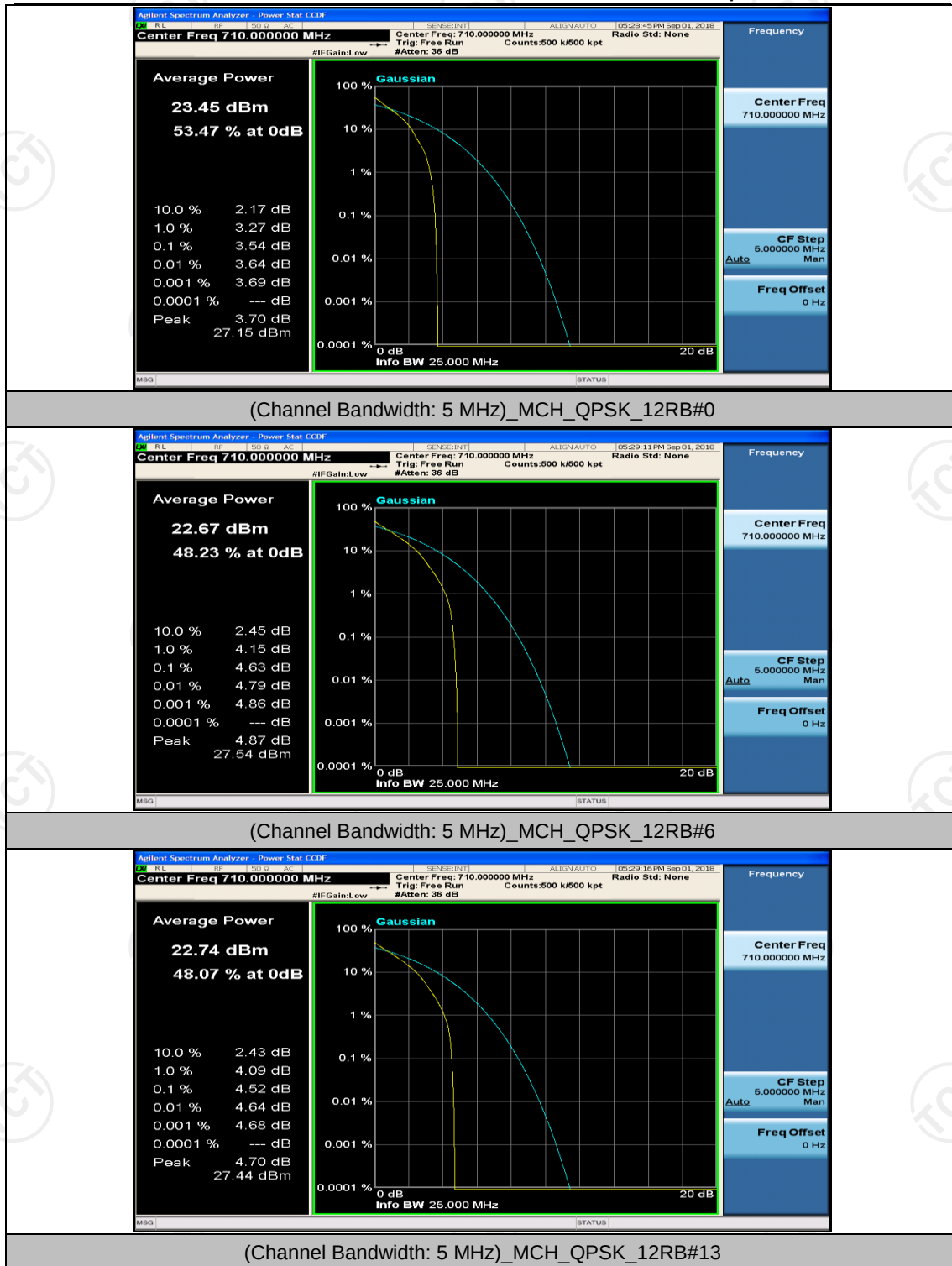
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

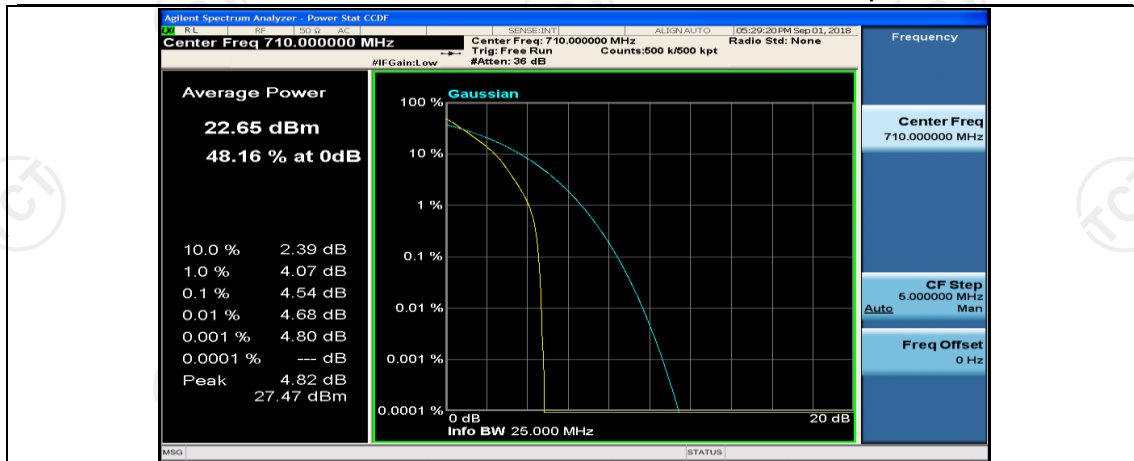


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

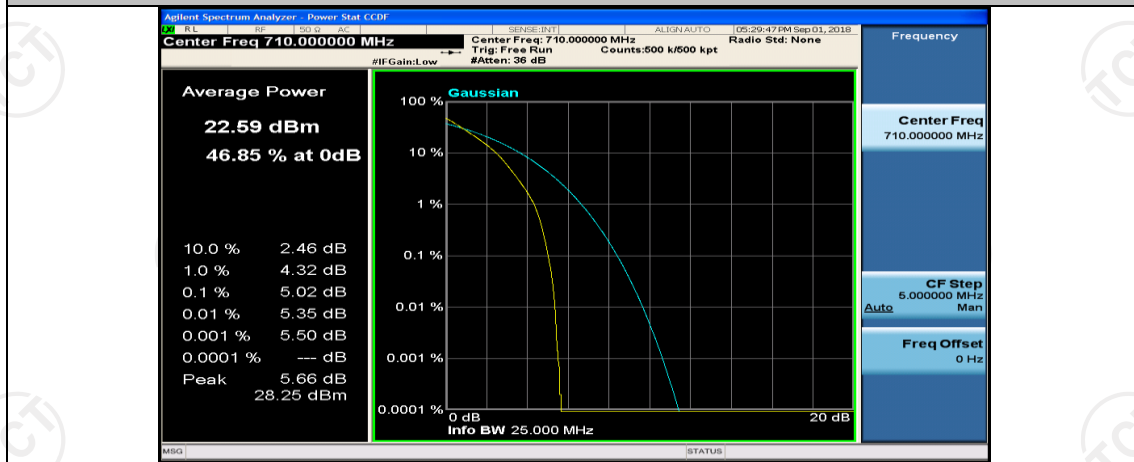


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

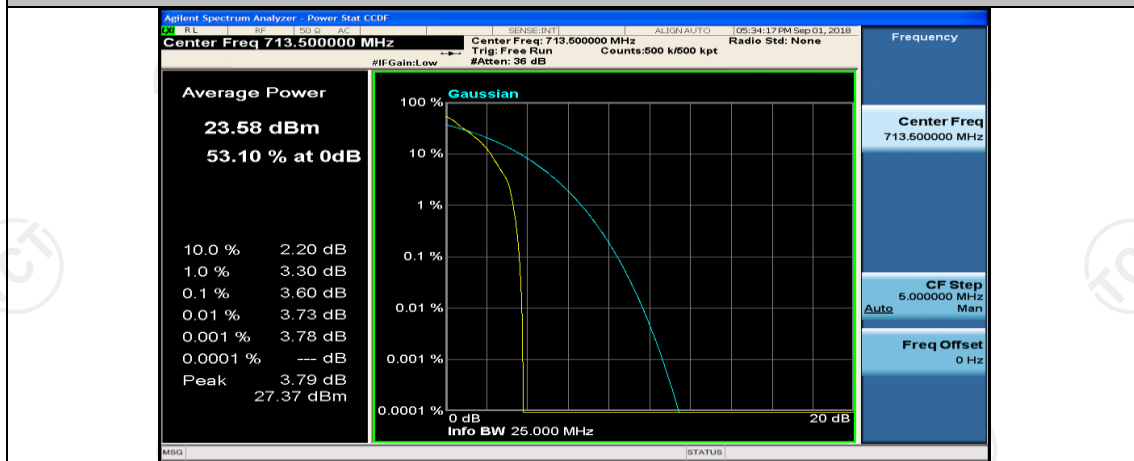




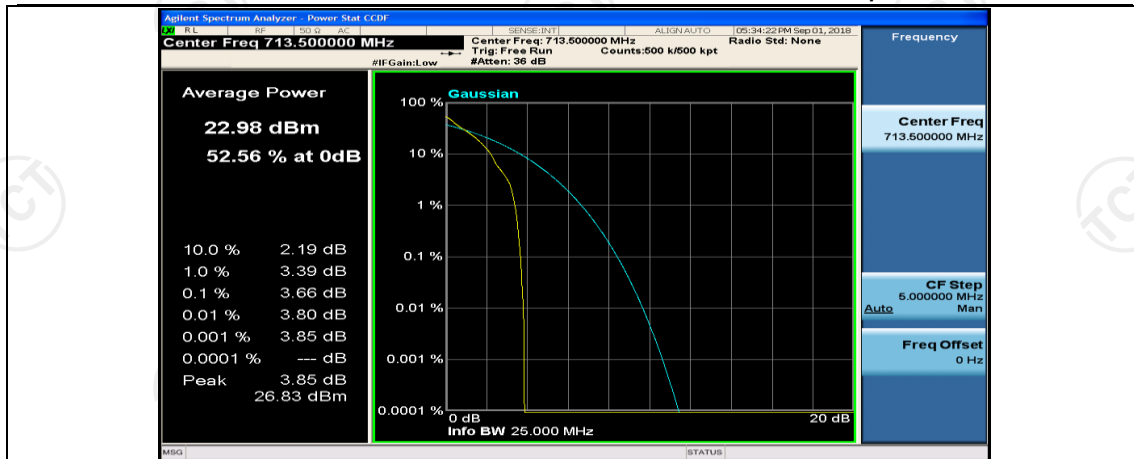
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



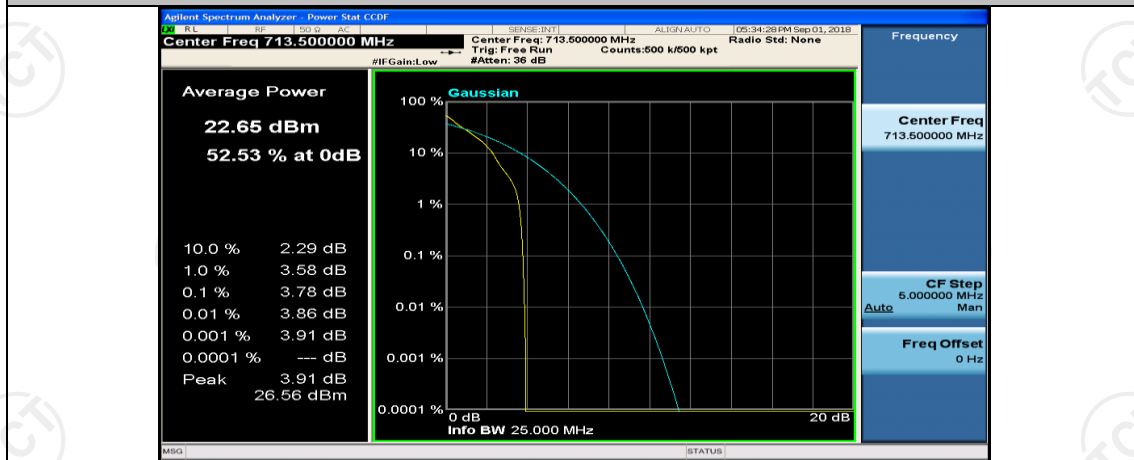
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



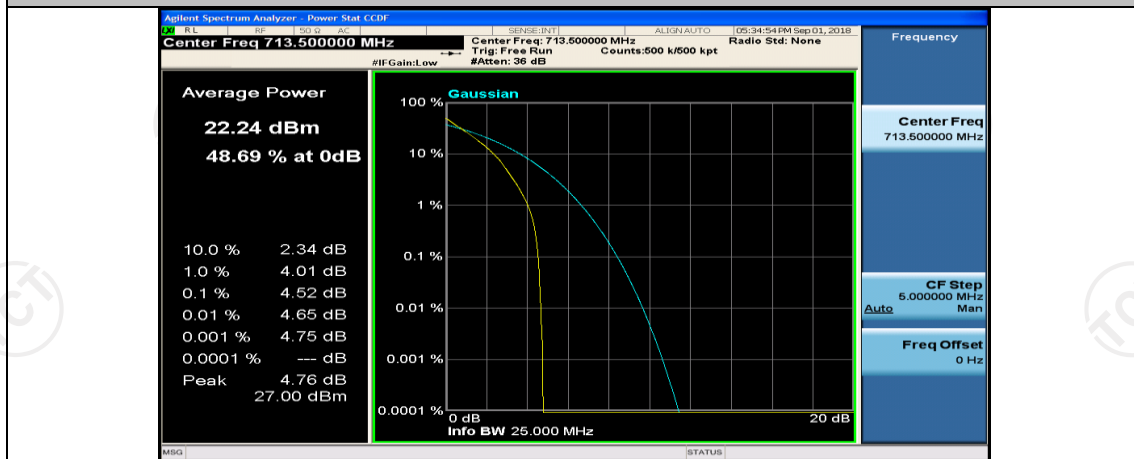
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



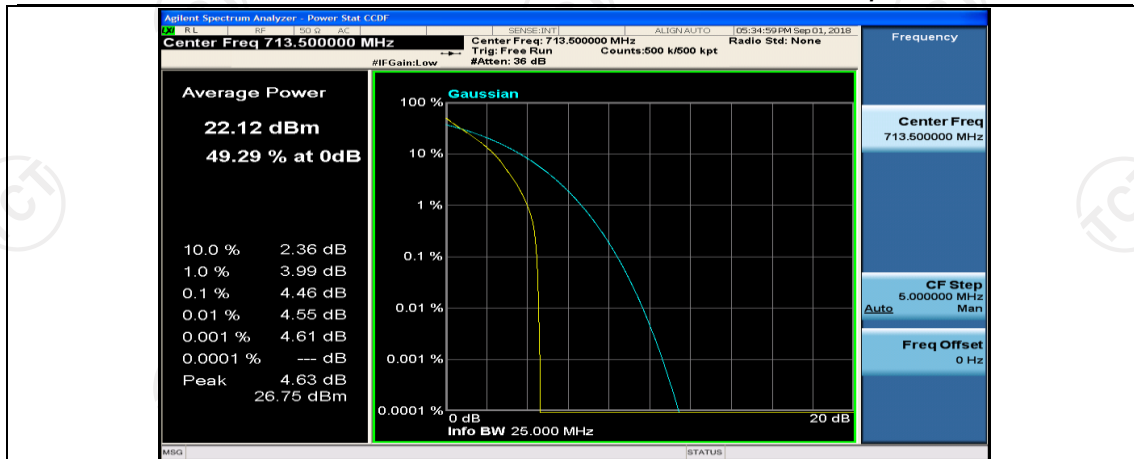
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



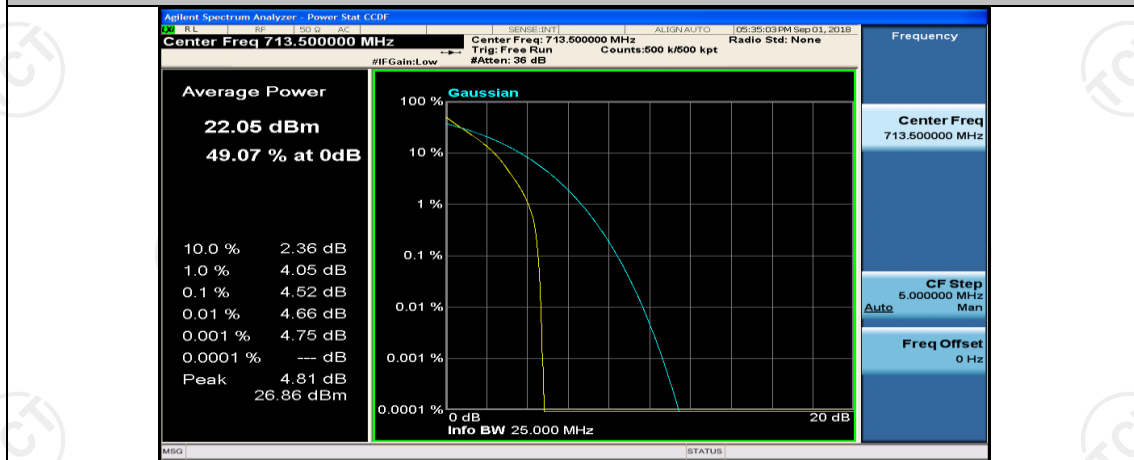
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



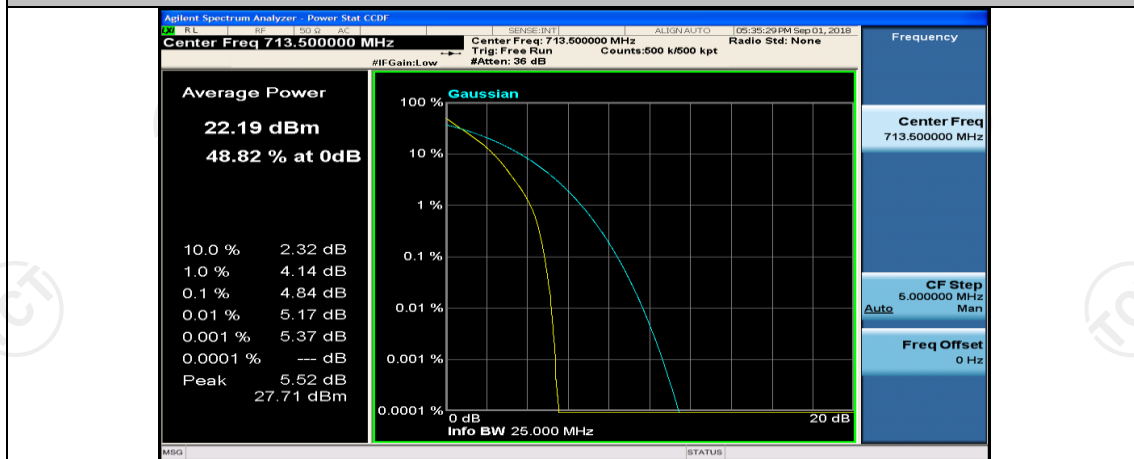
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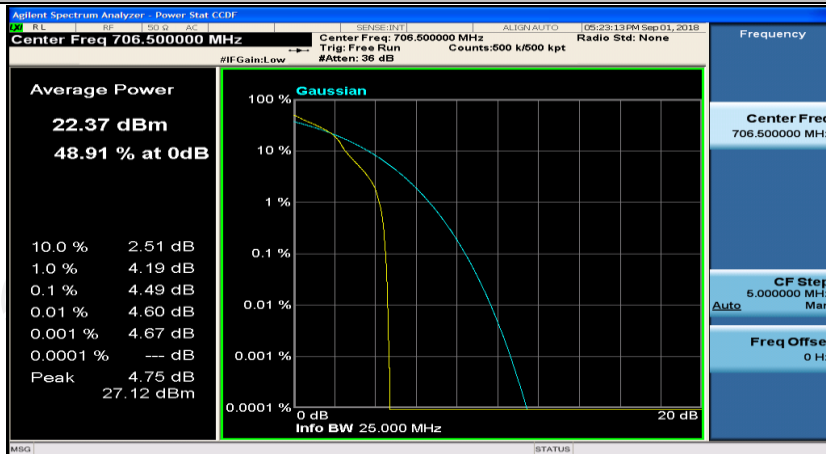
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



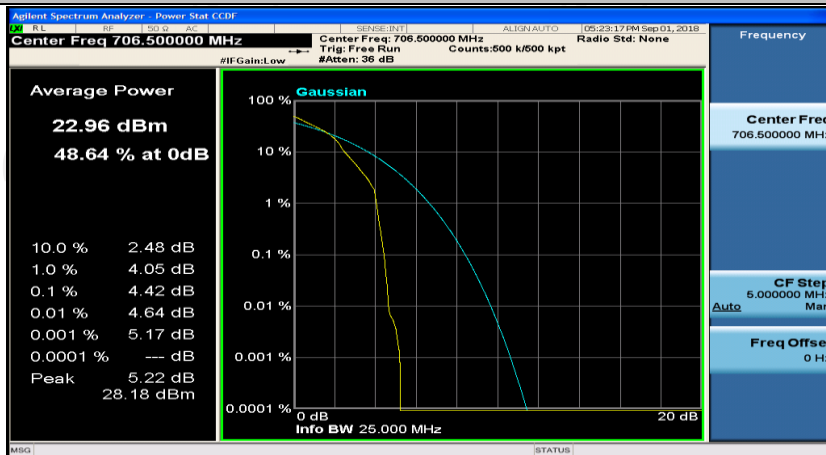
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



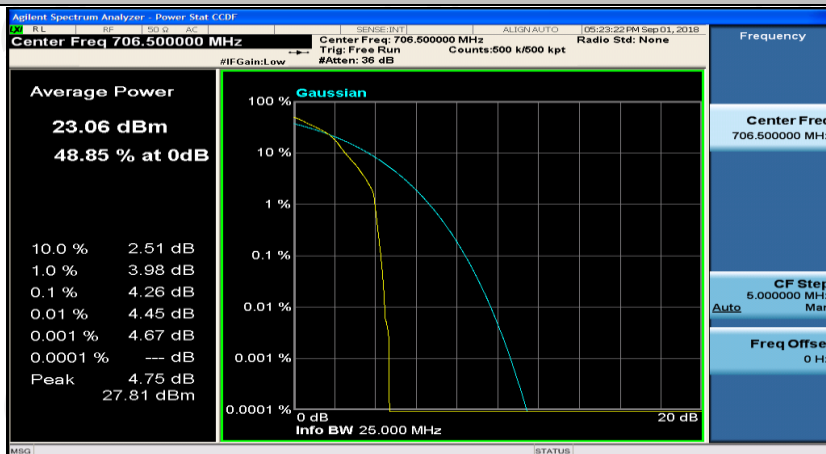
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



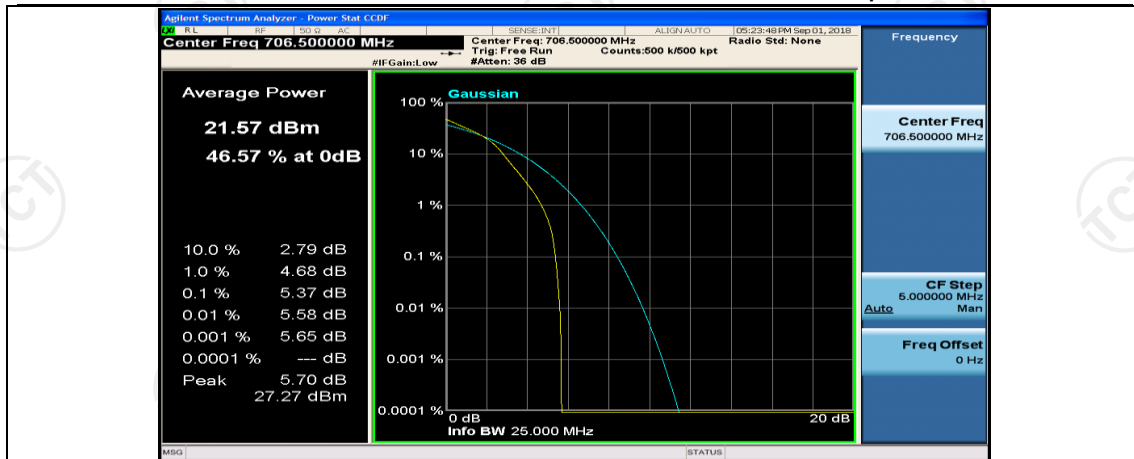
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



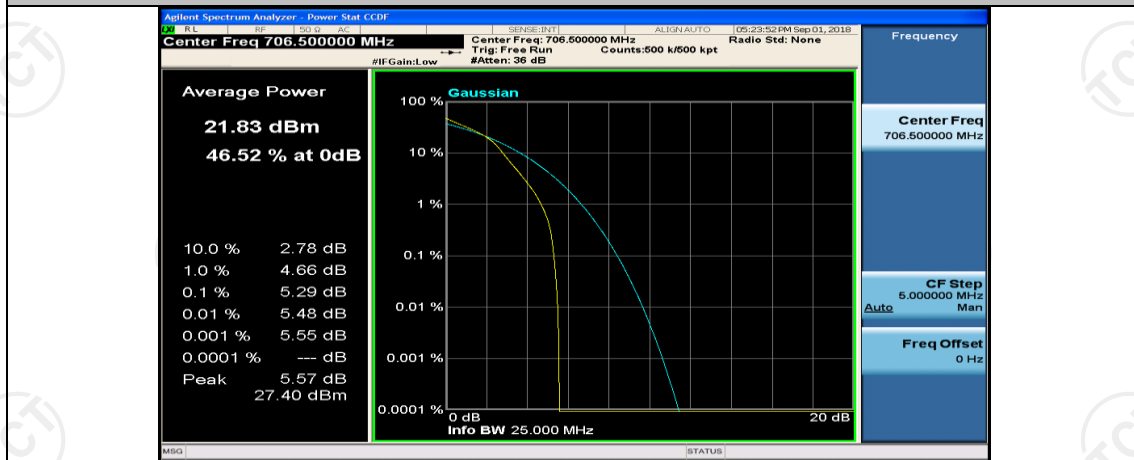
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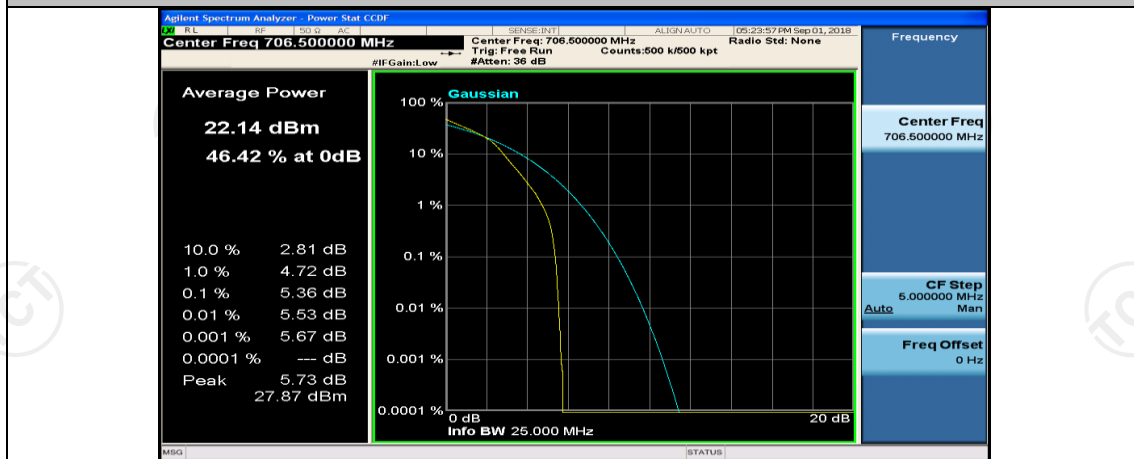
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



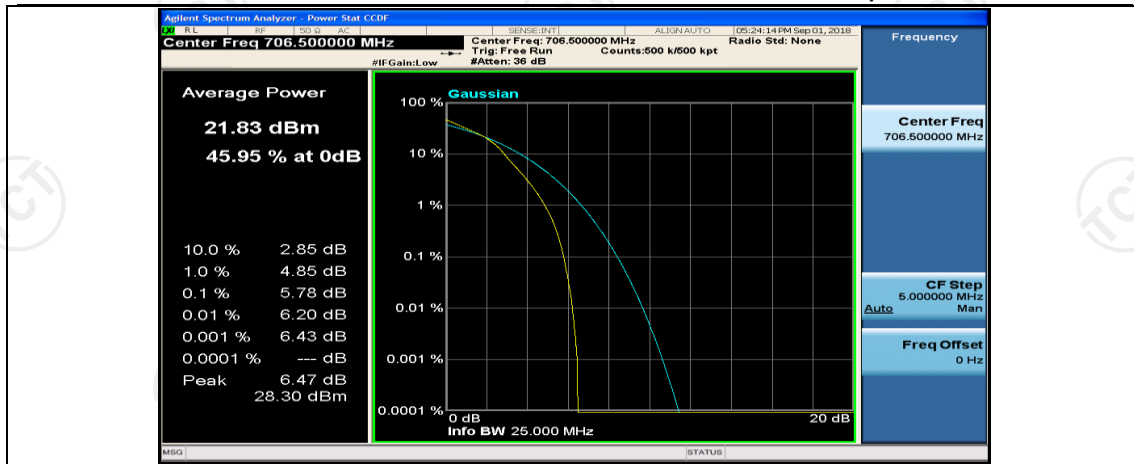
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



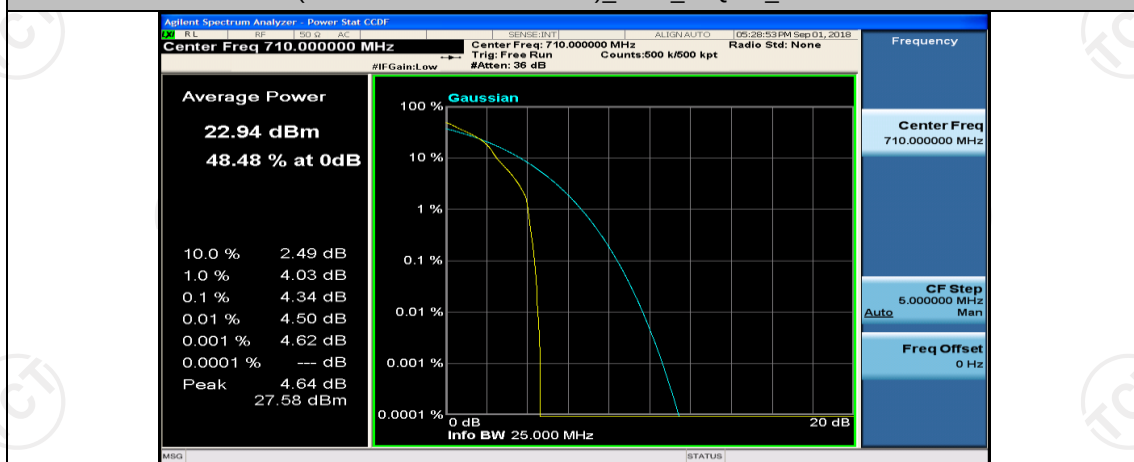
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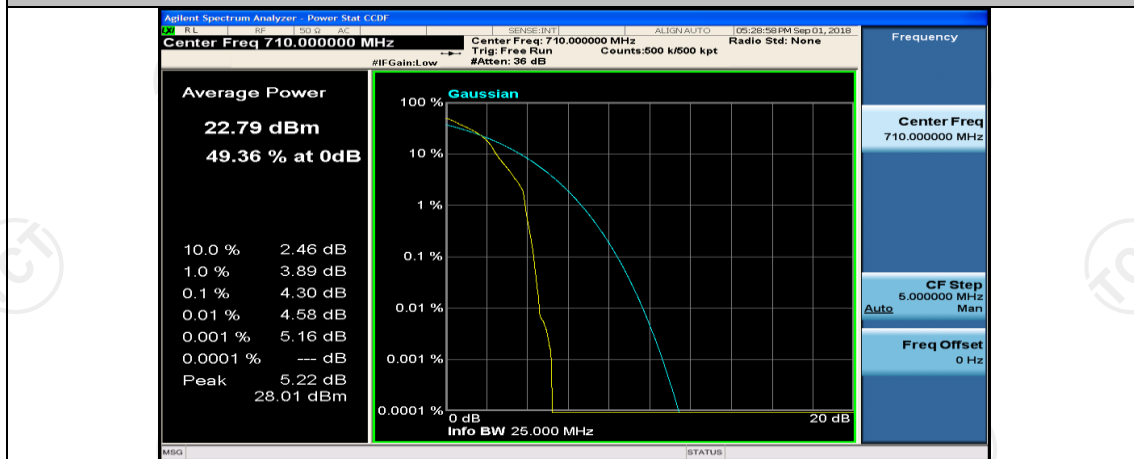
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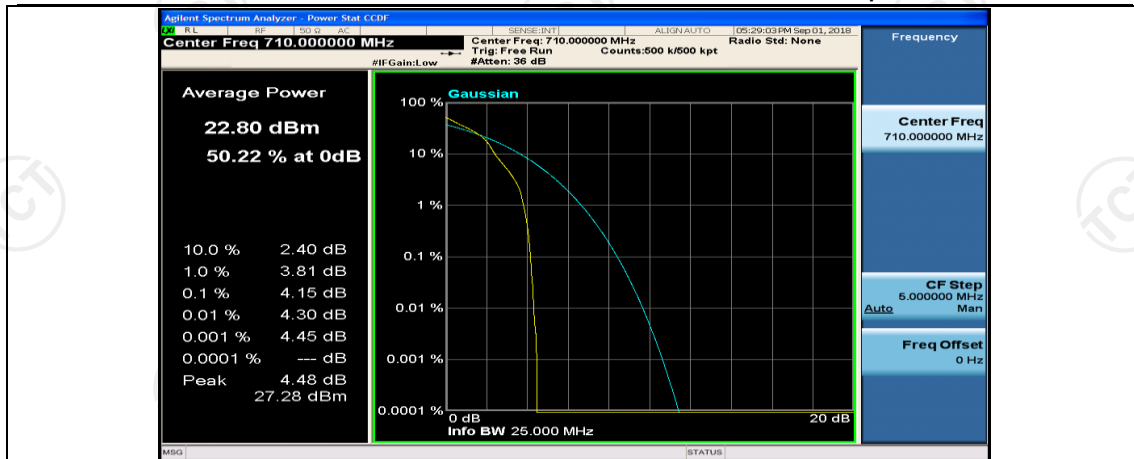
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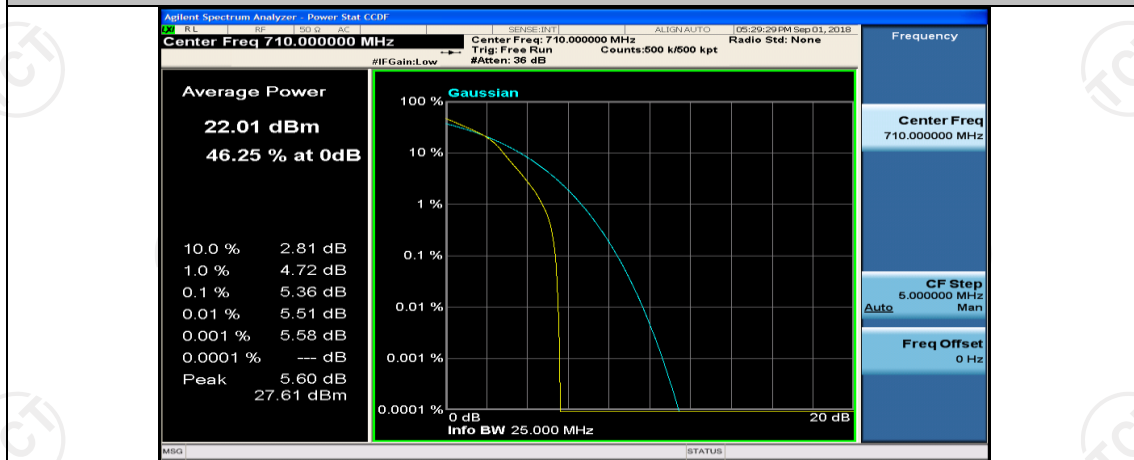
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



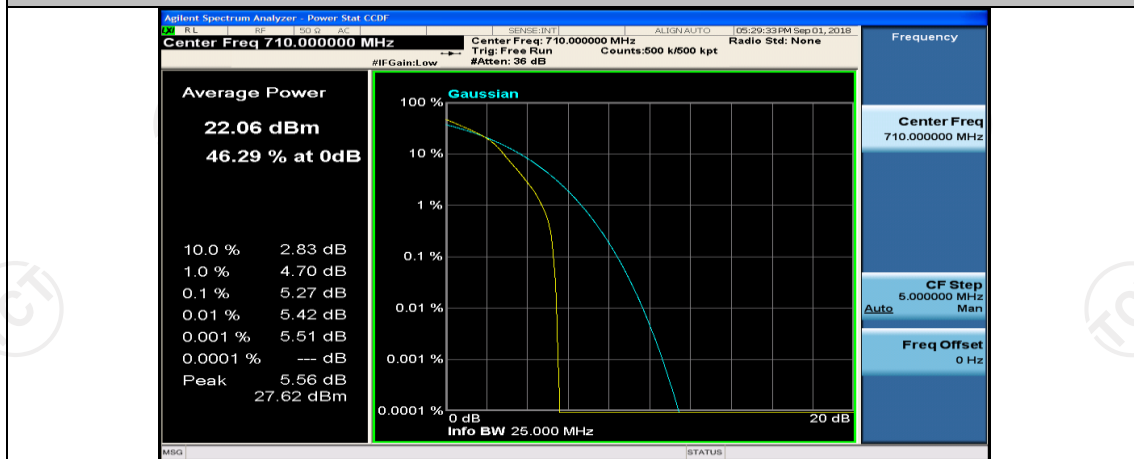
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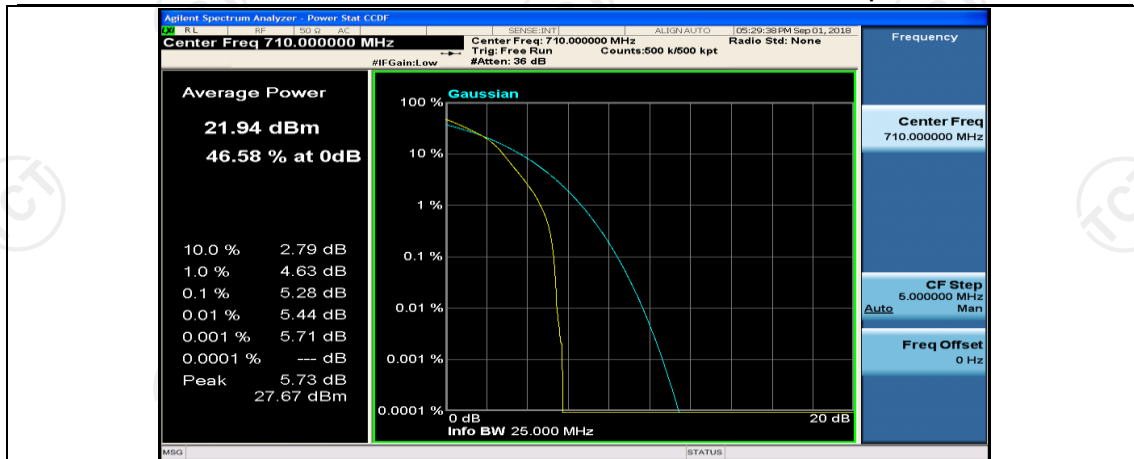
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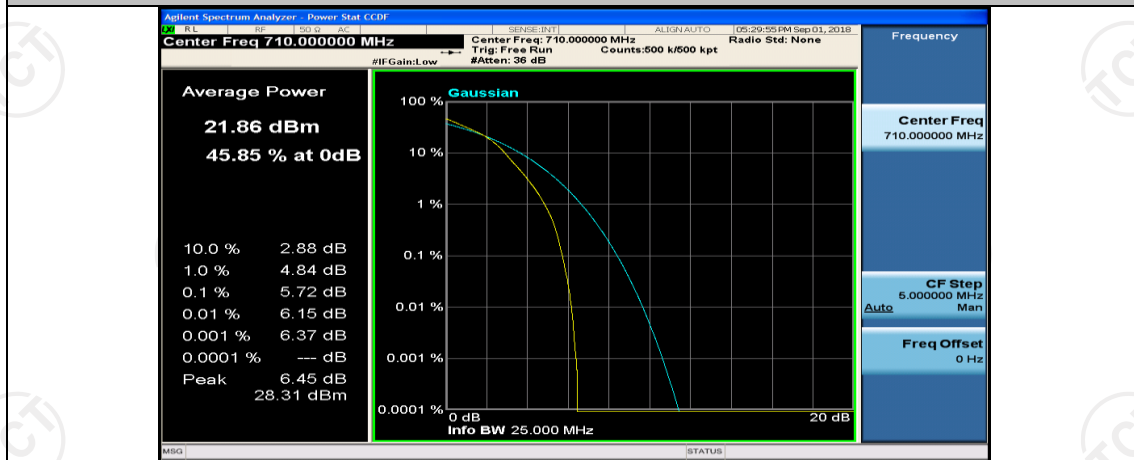
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



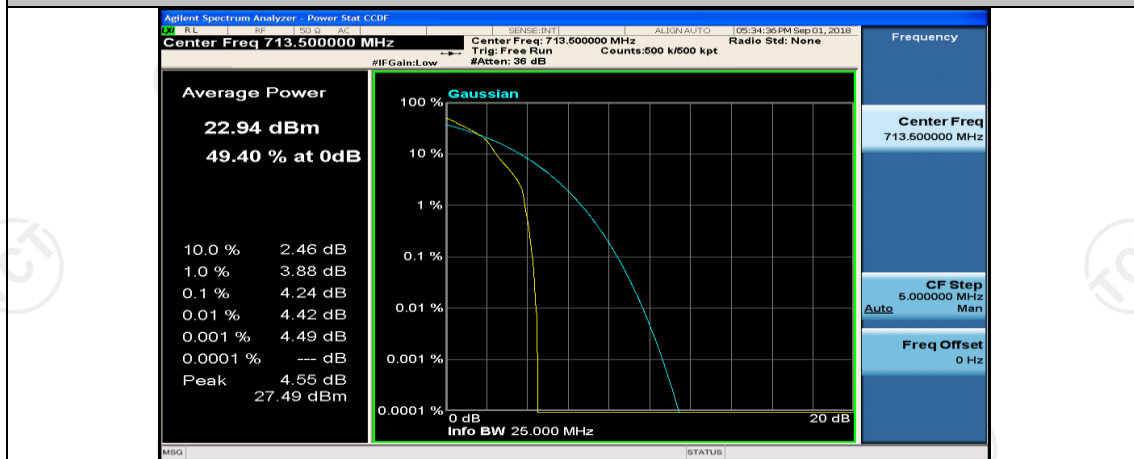
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



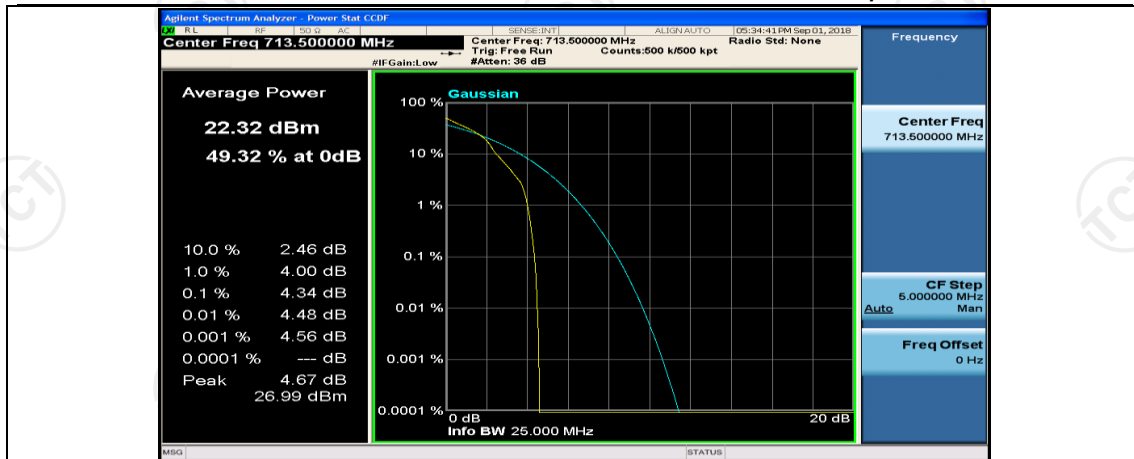
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



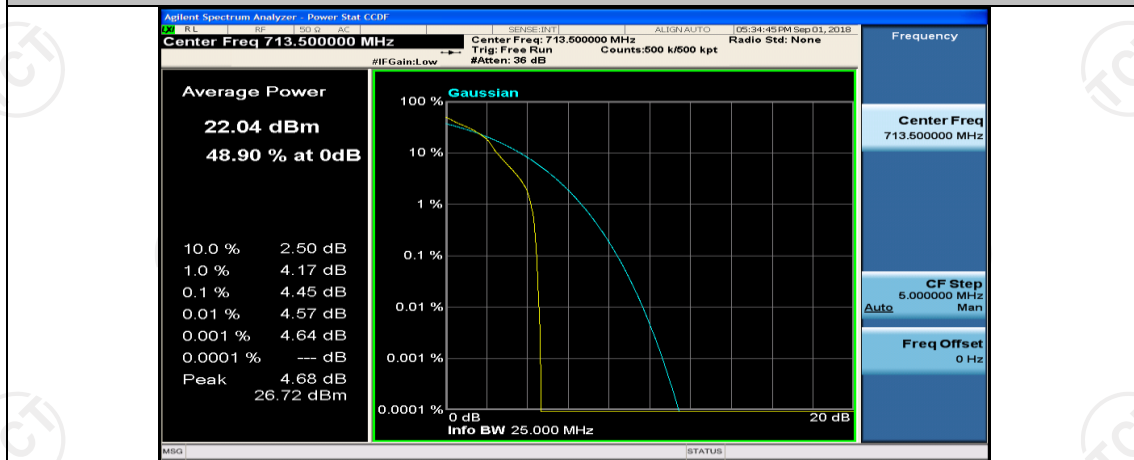
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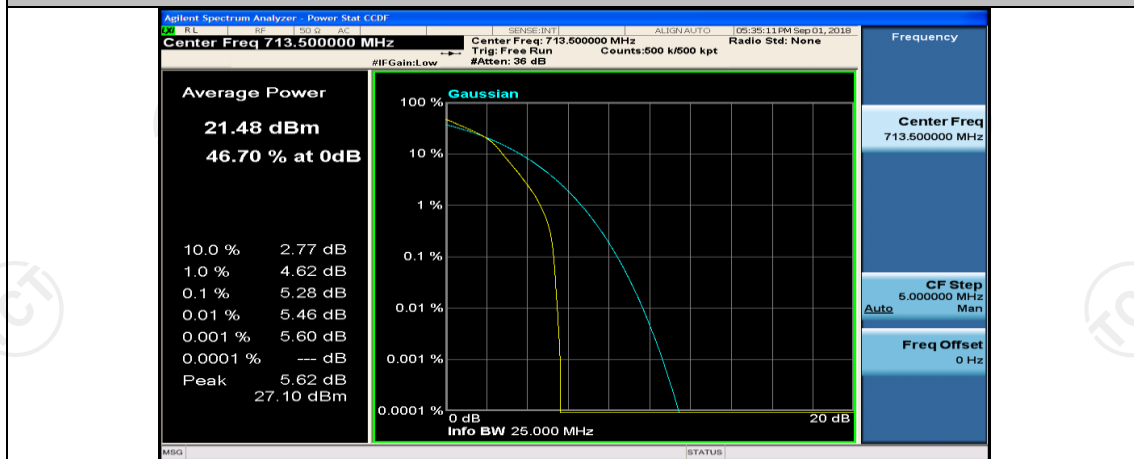
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



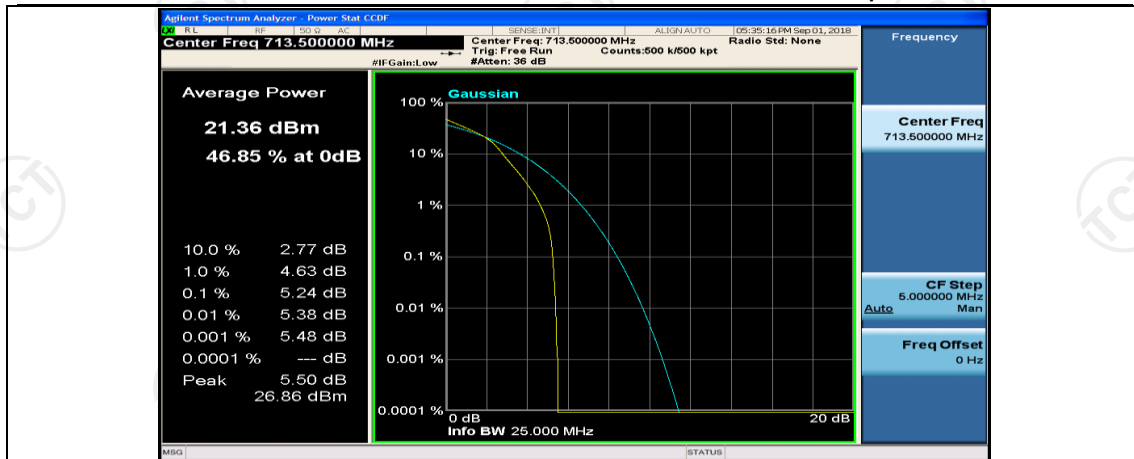
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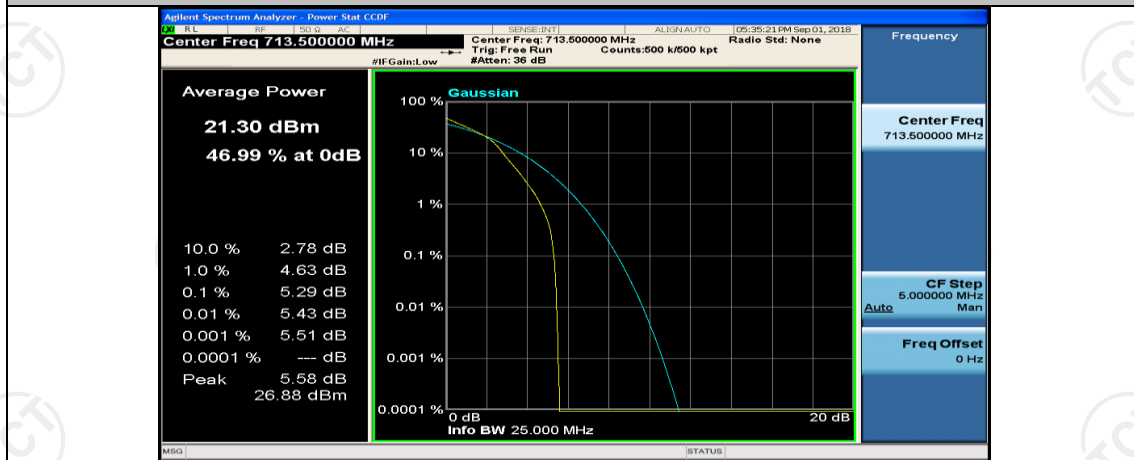
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



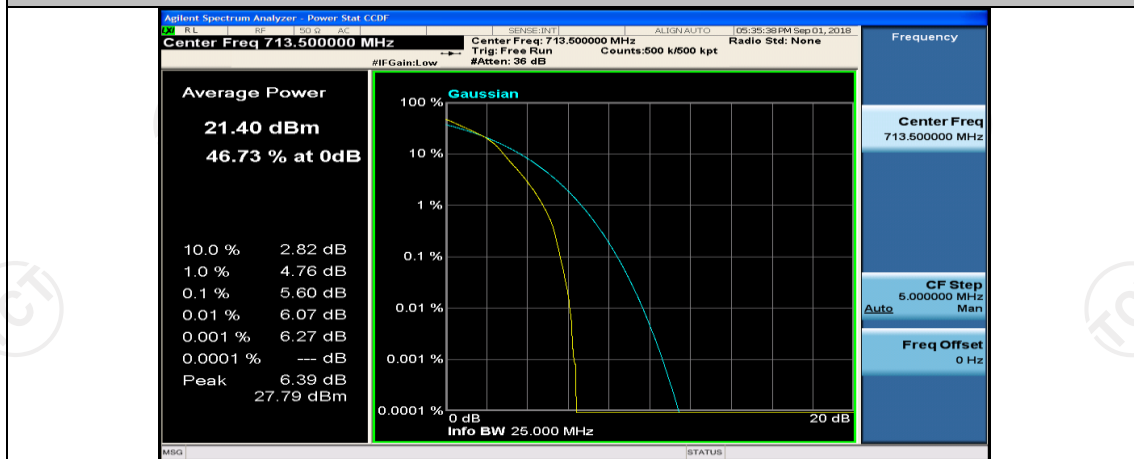
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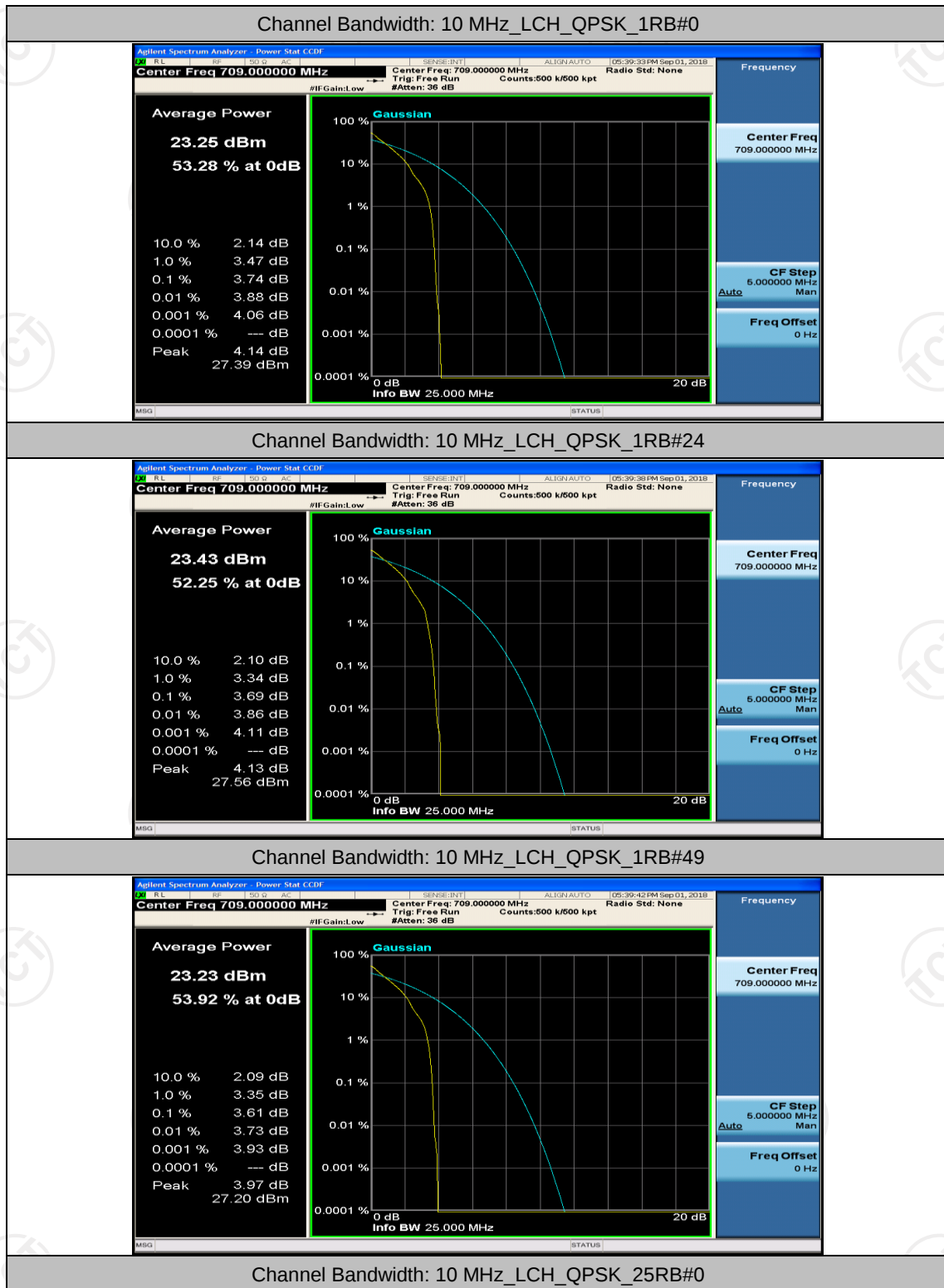
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

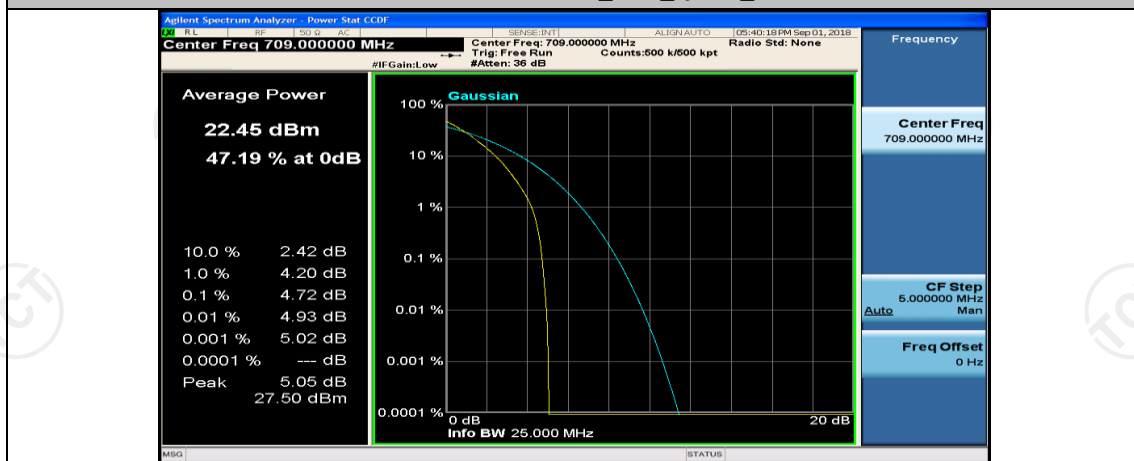
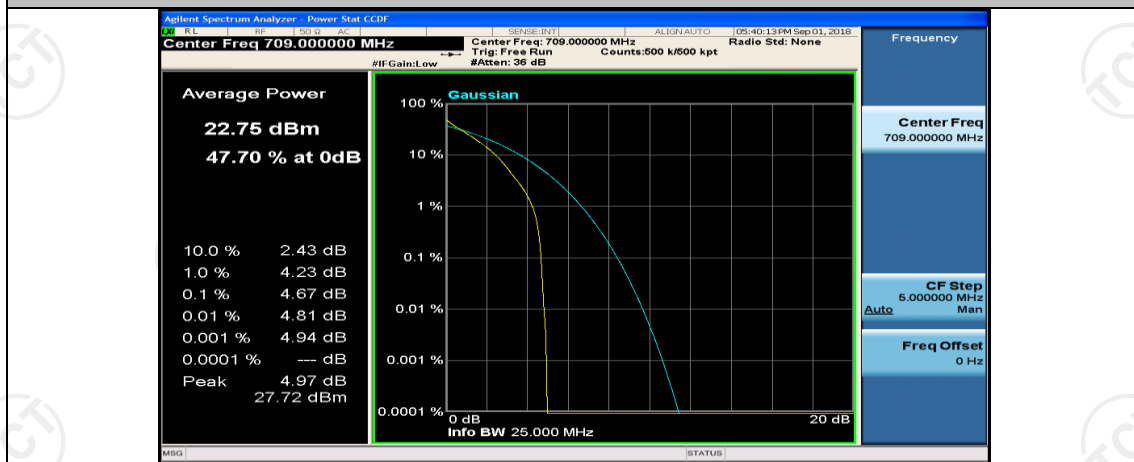
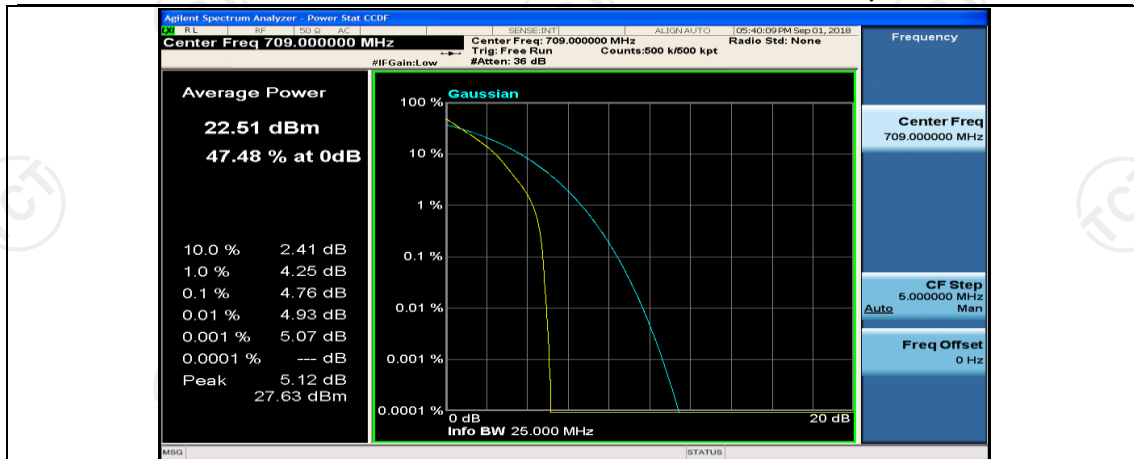


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



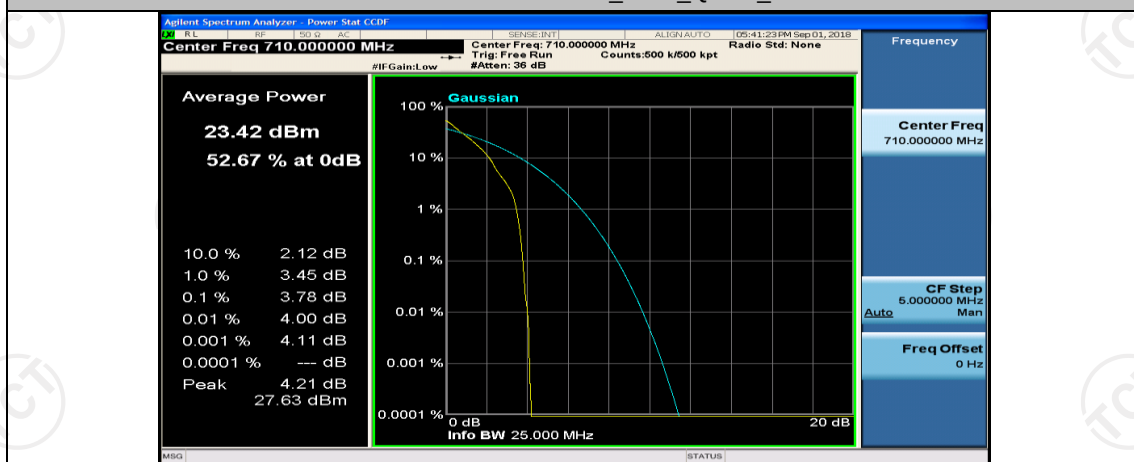
Channel Bandwidth: 10 MHz



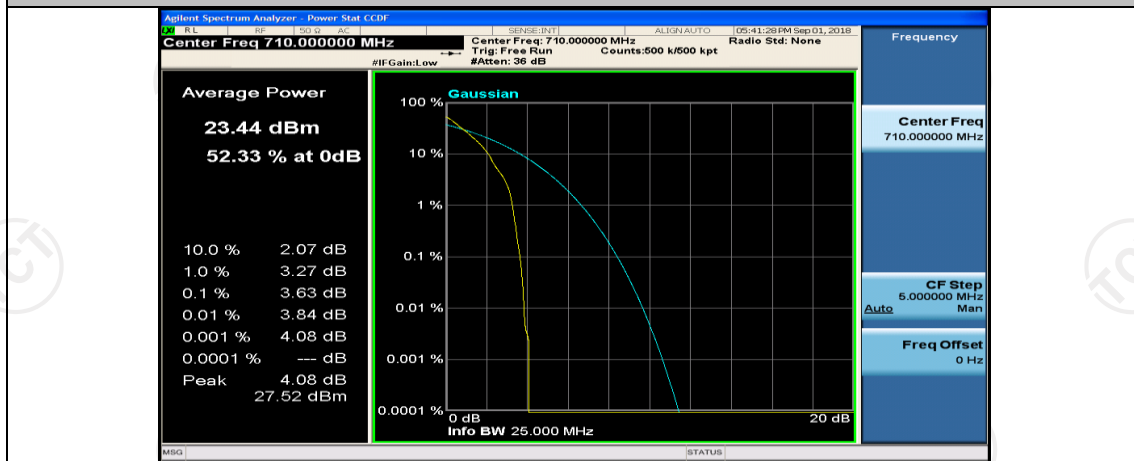




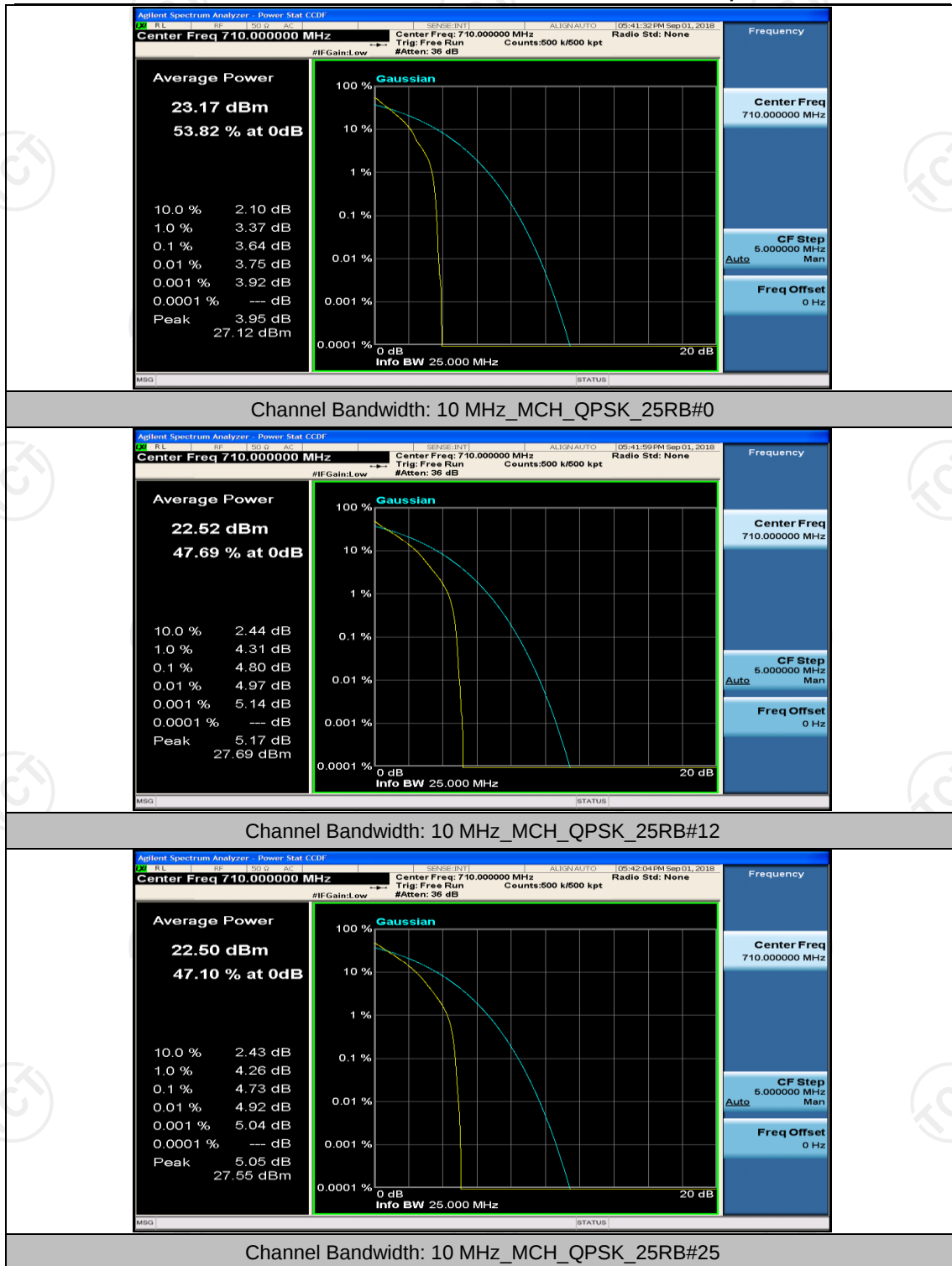
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

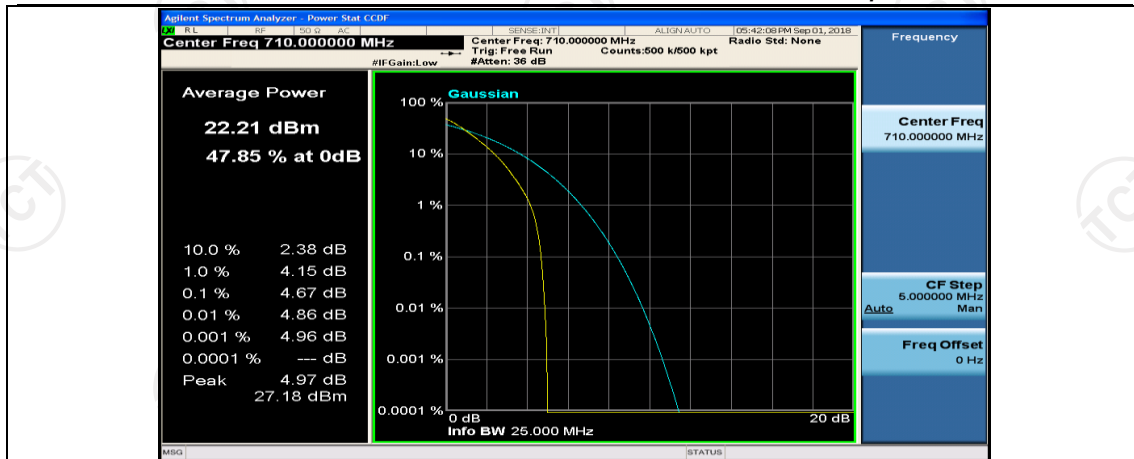


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

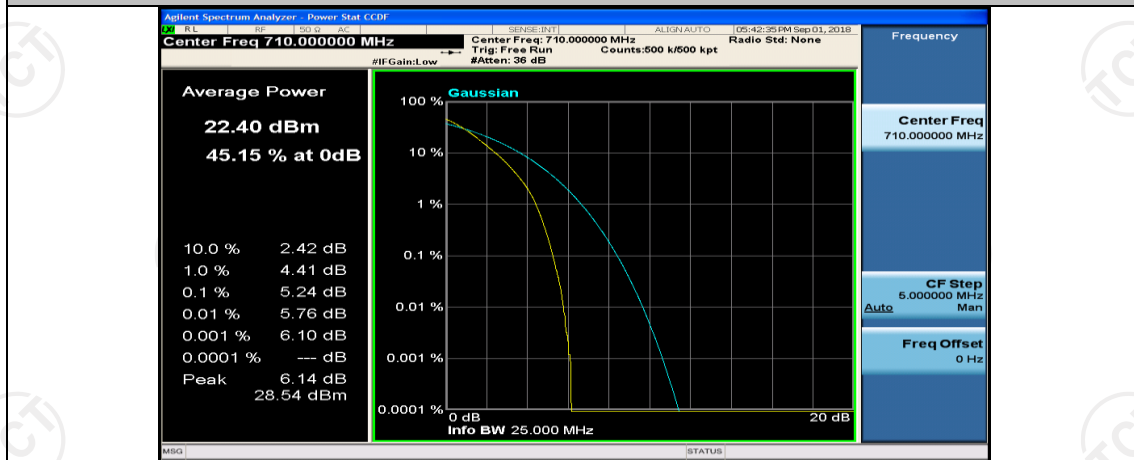


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

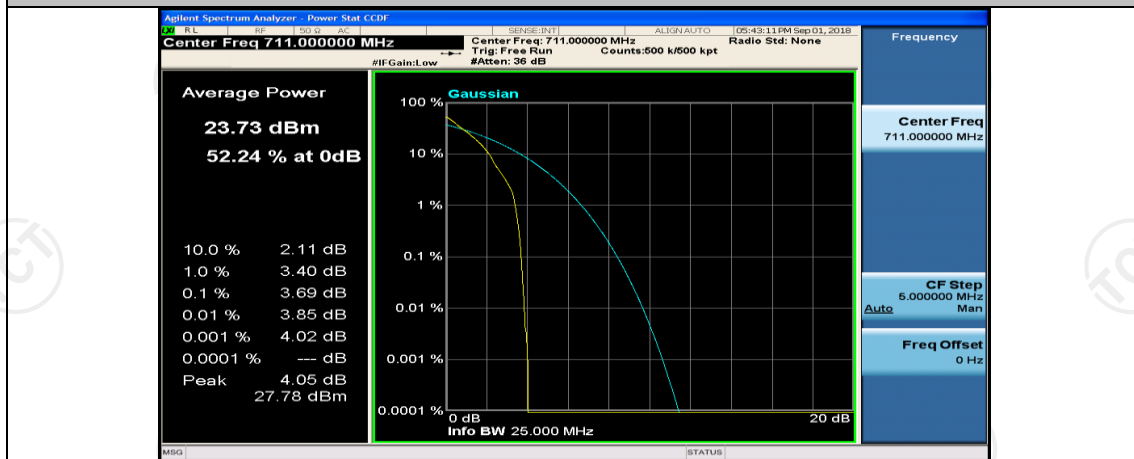




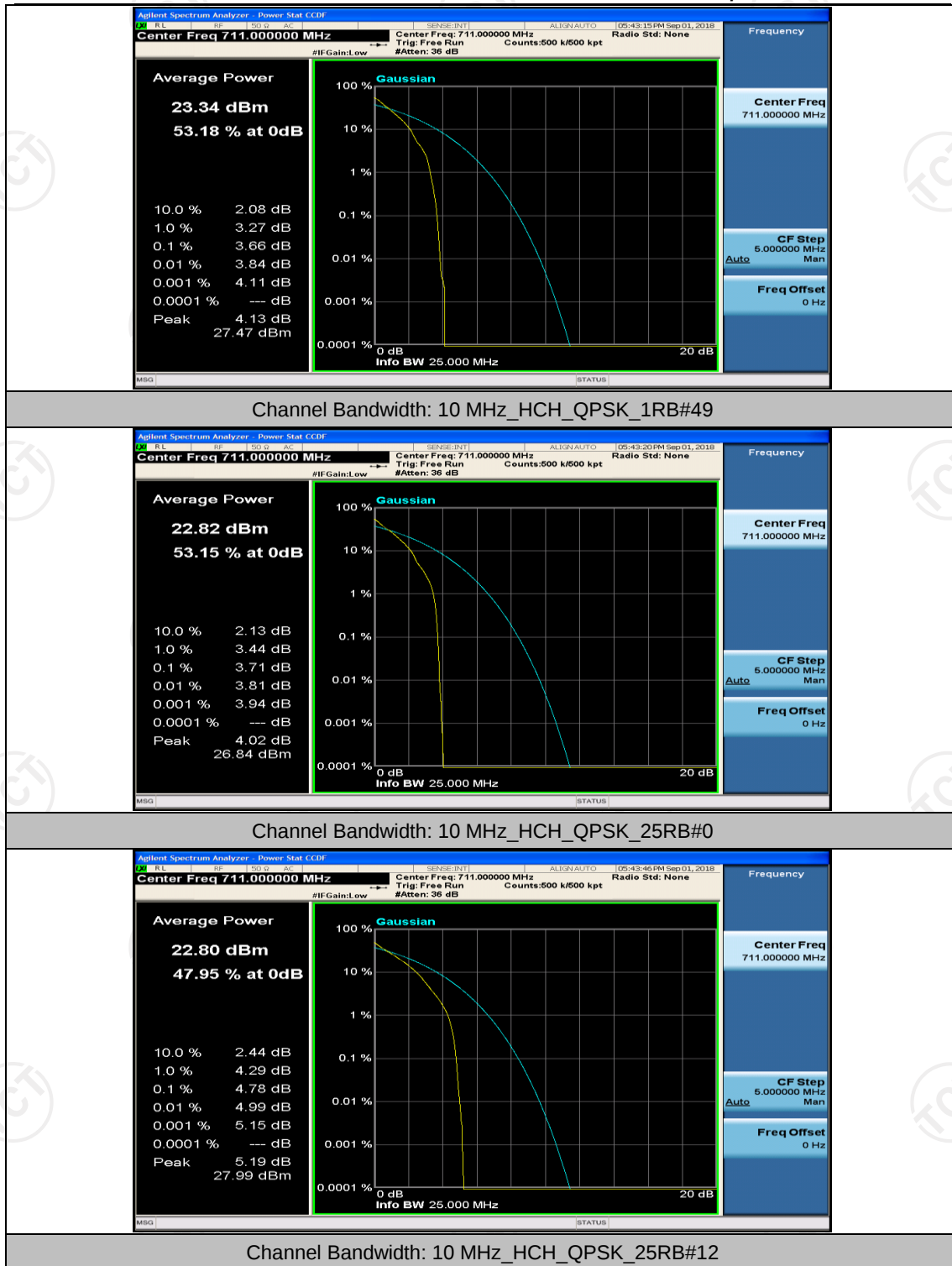
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

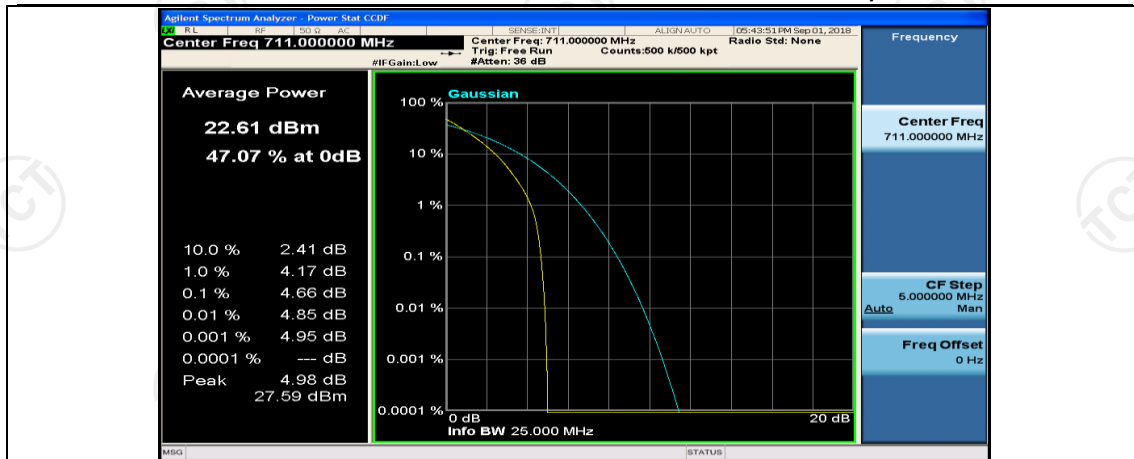


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

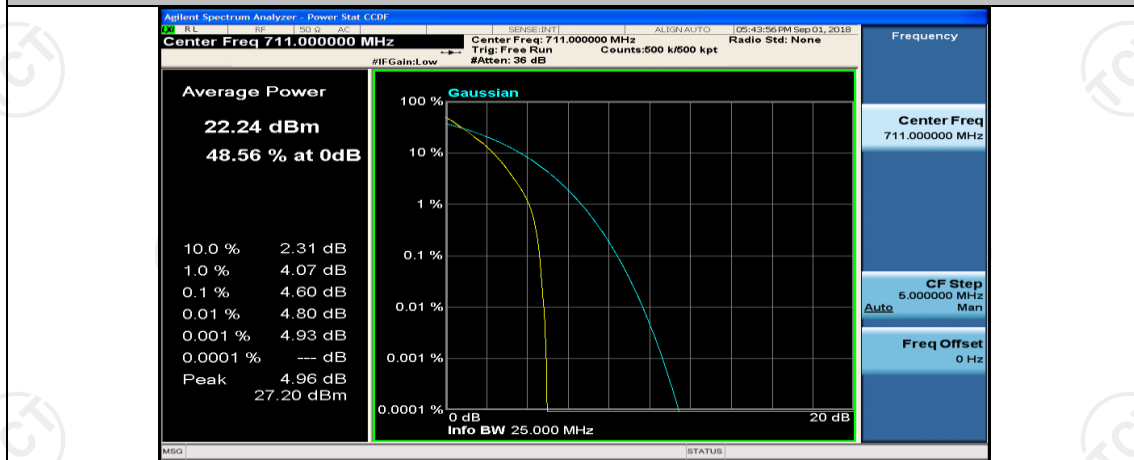


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

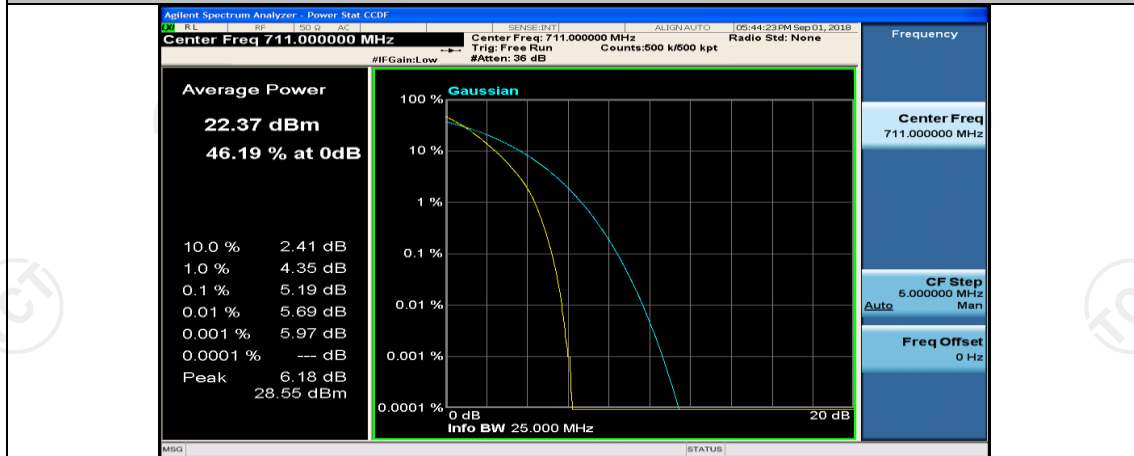




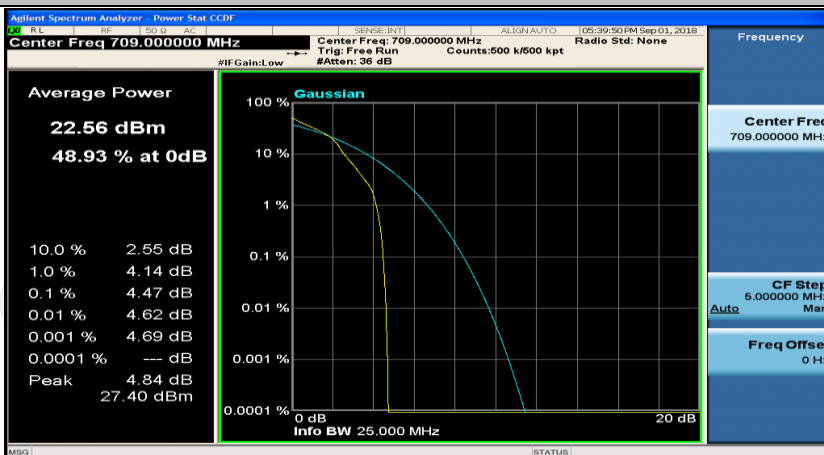
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



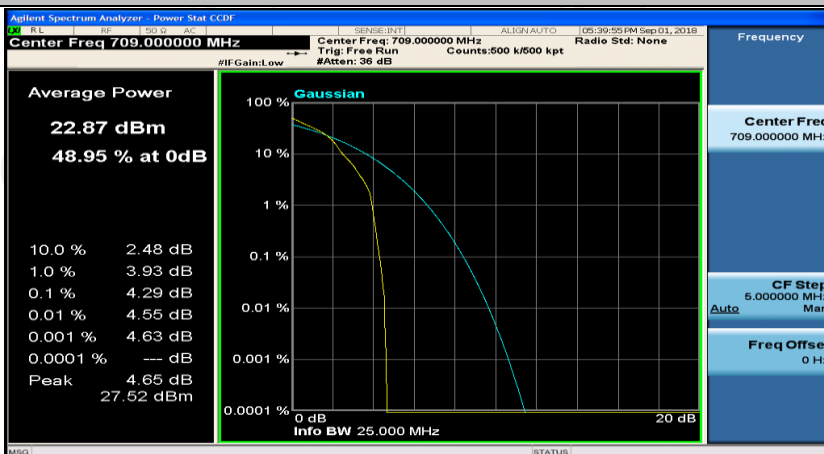
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



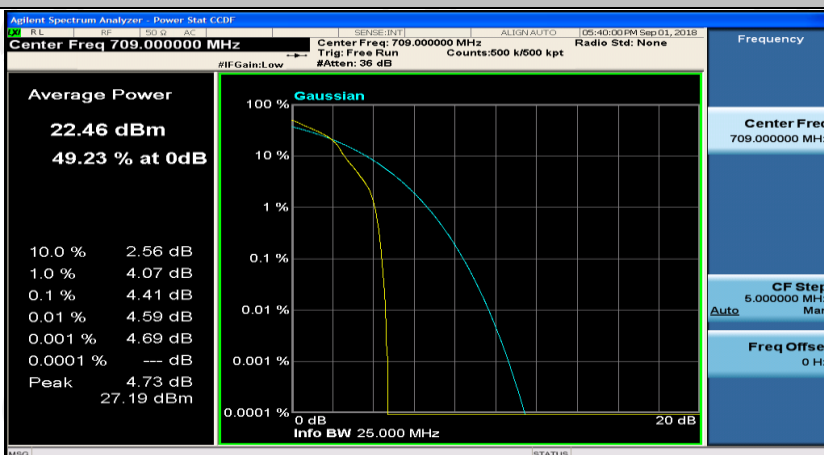
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



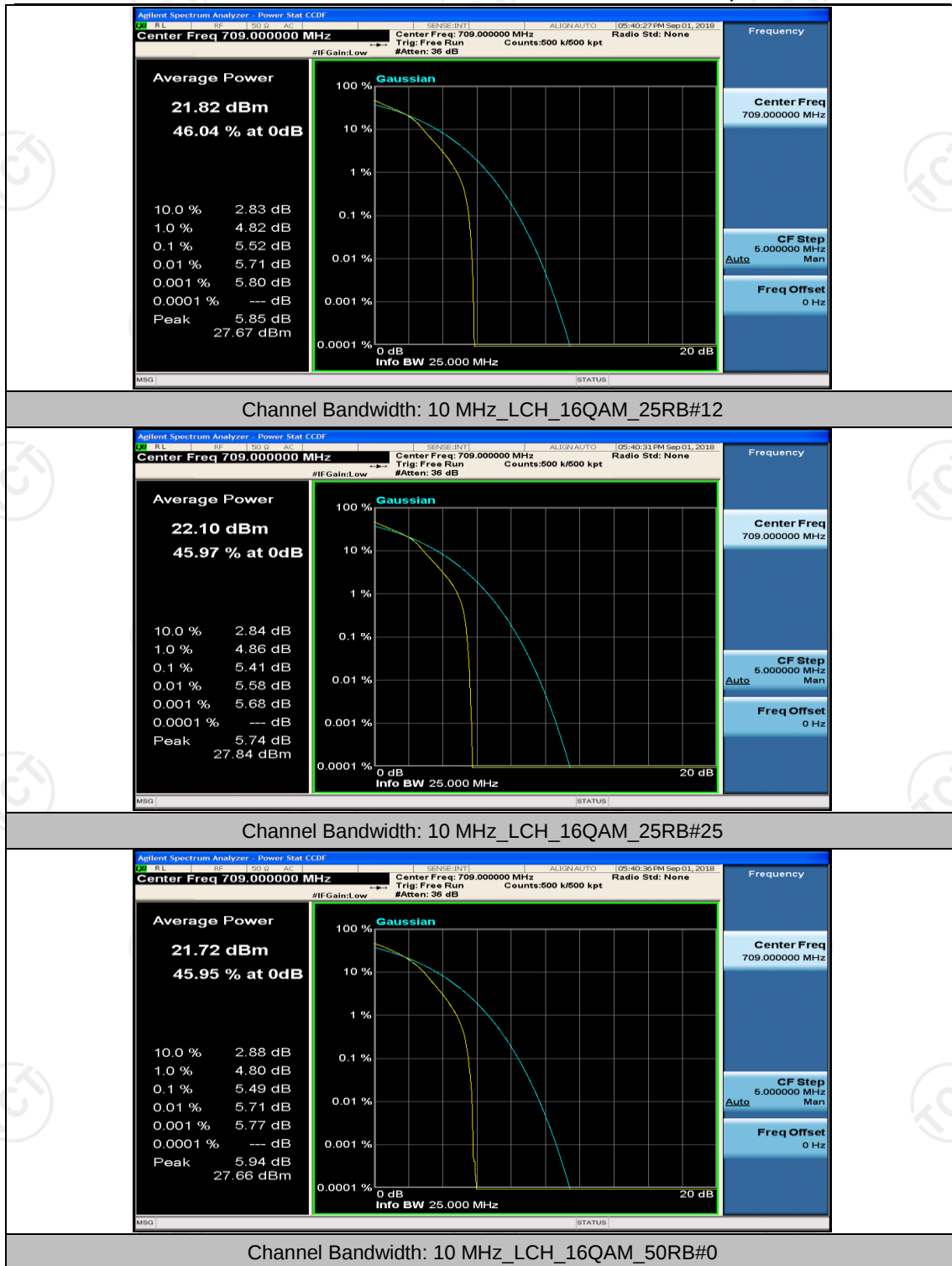
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

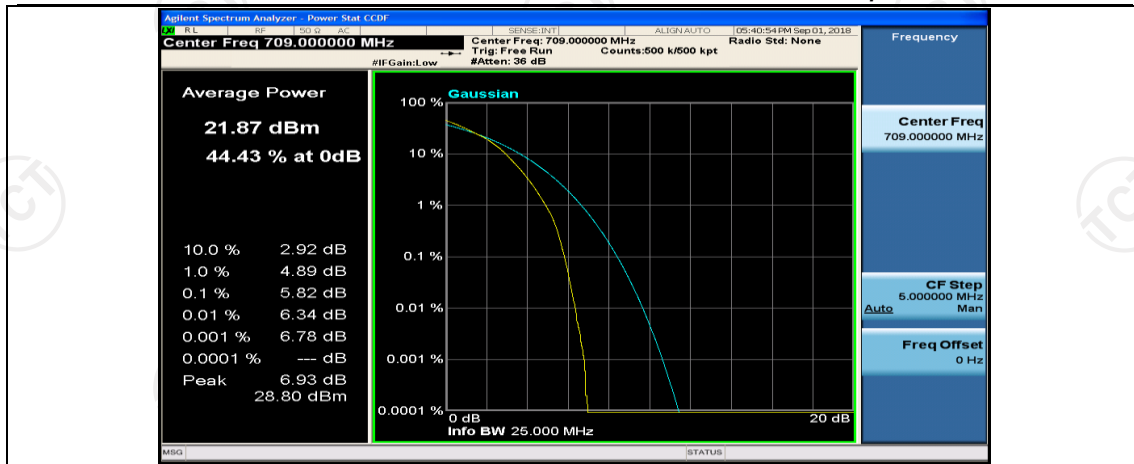


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

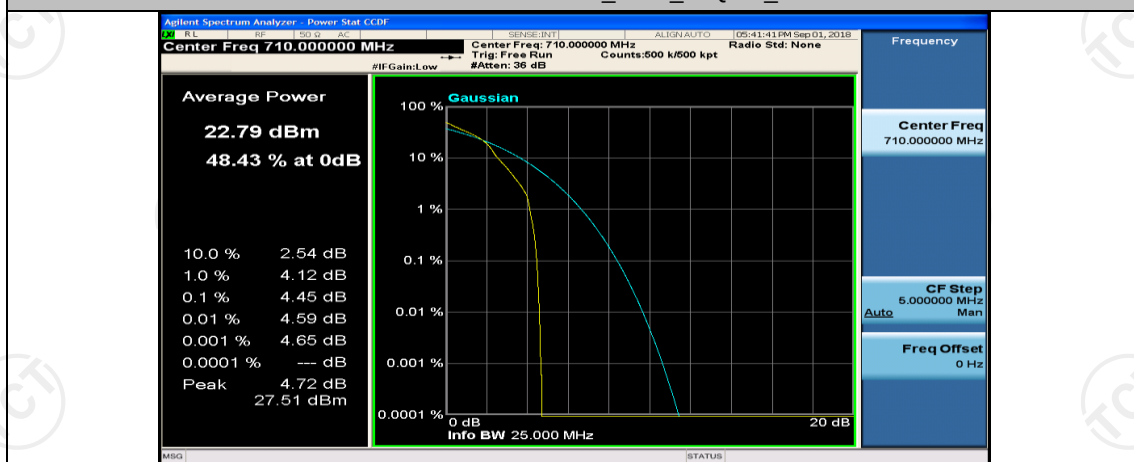


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

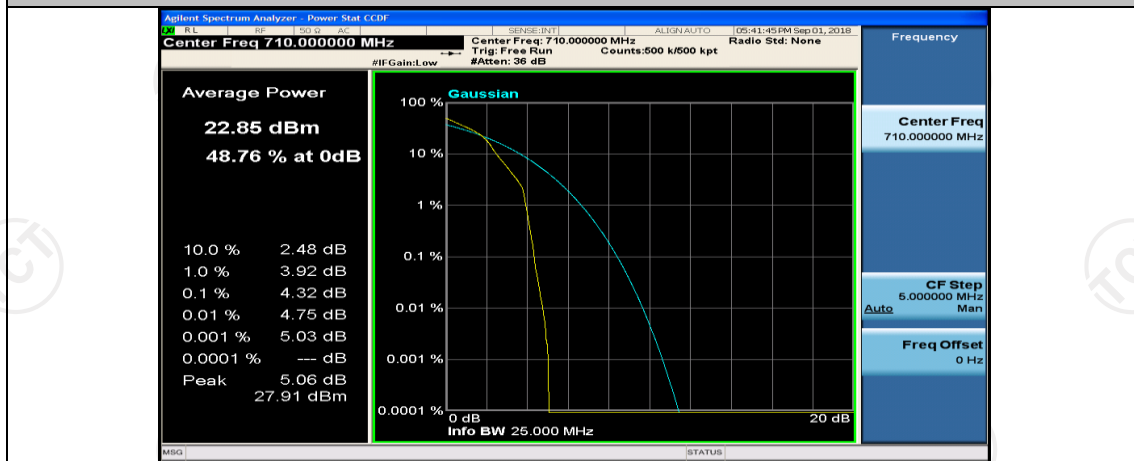




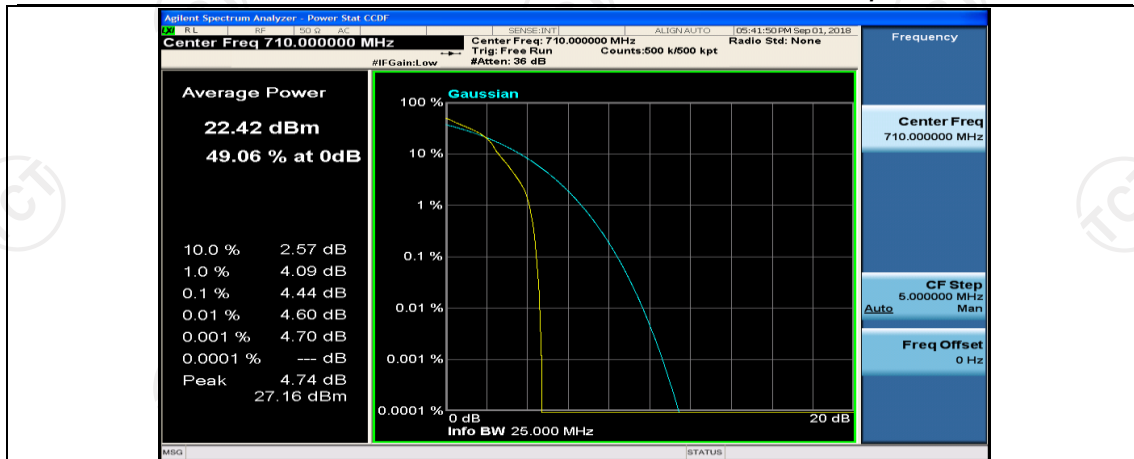
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



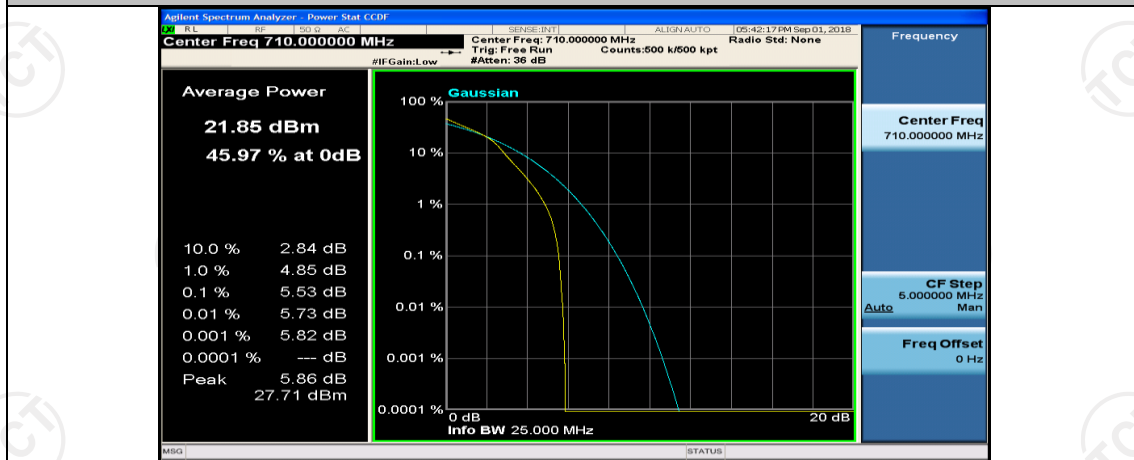
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



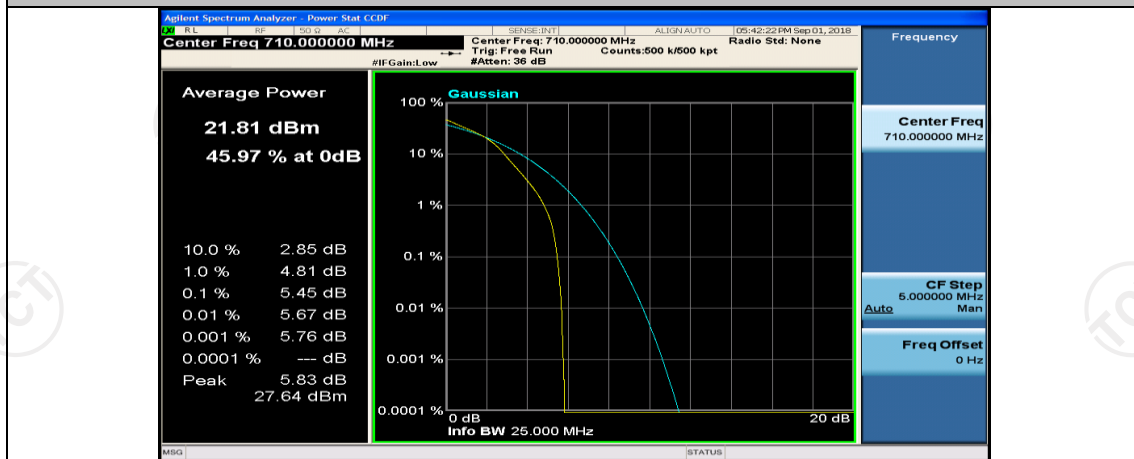
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



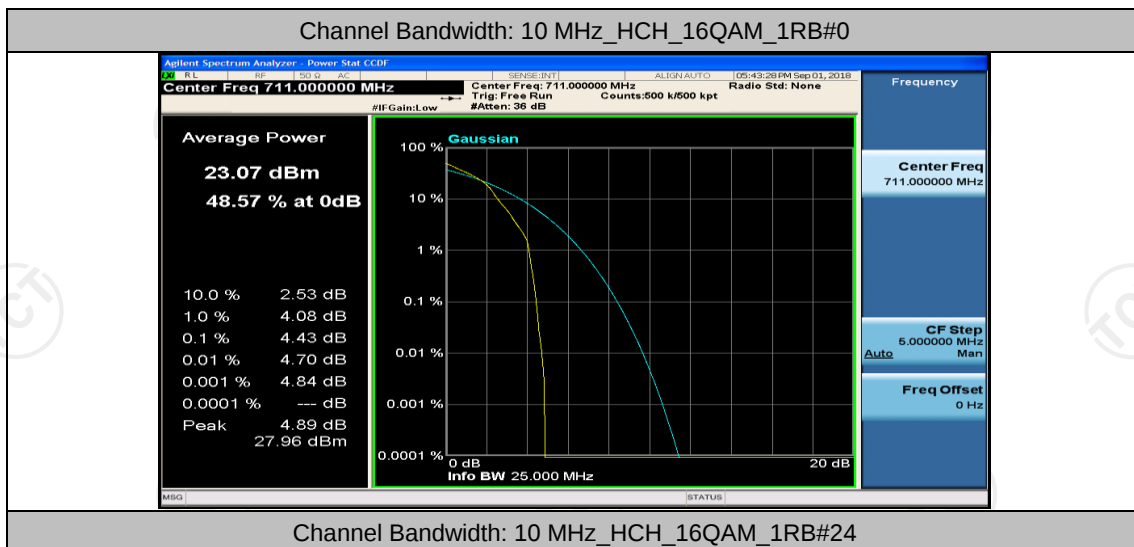
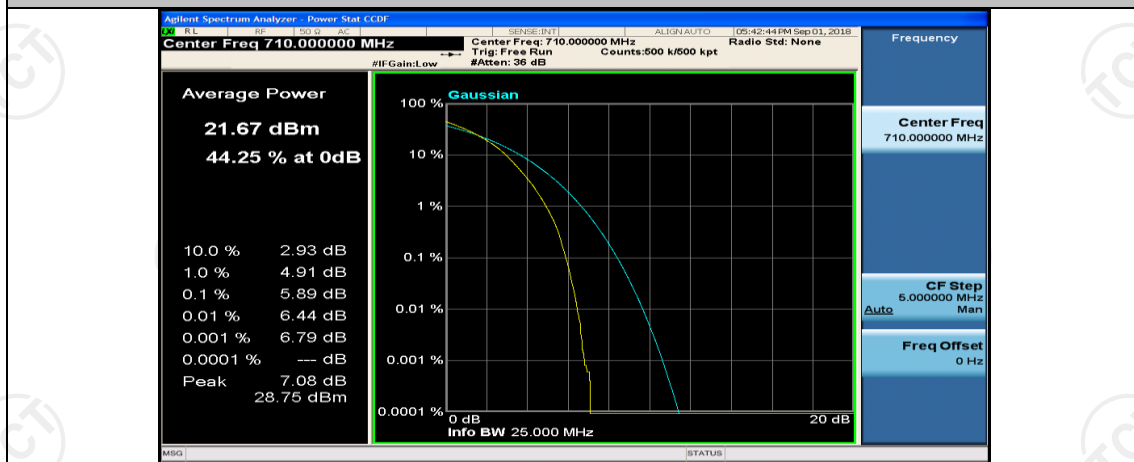
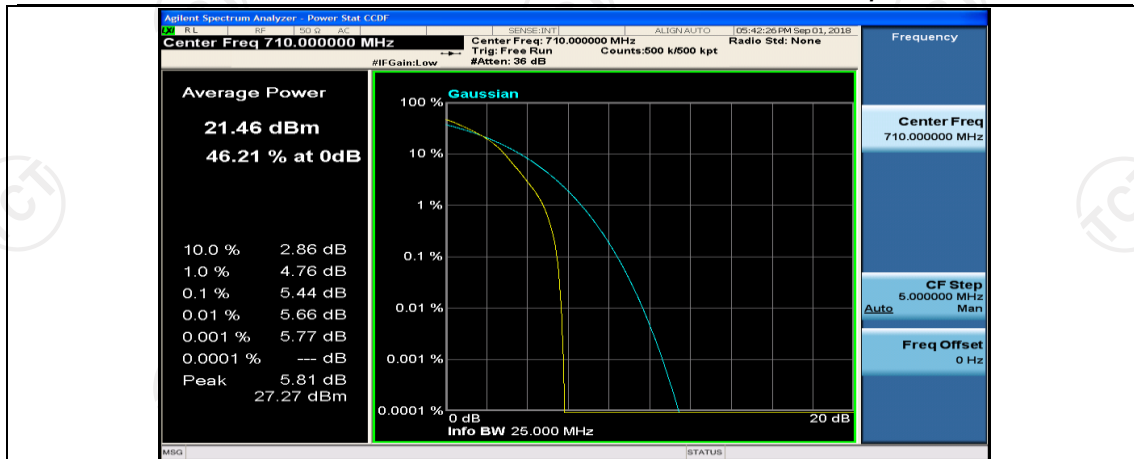
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



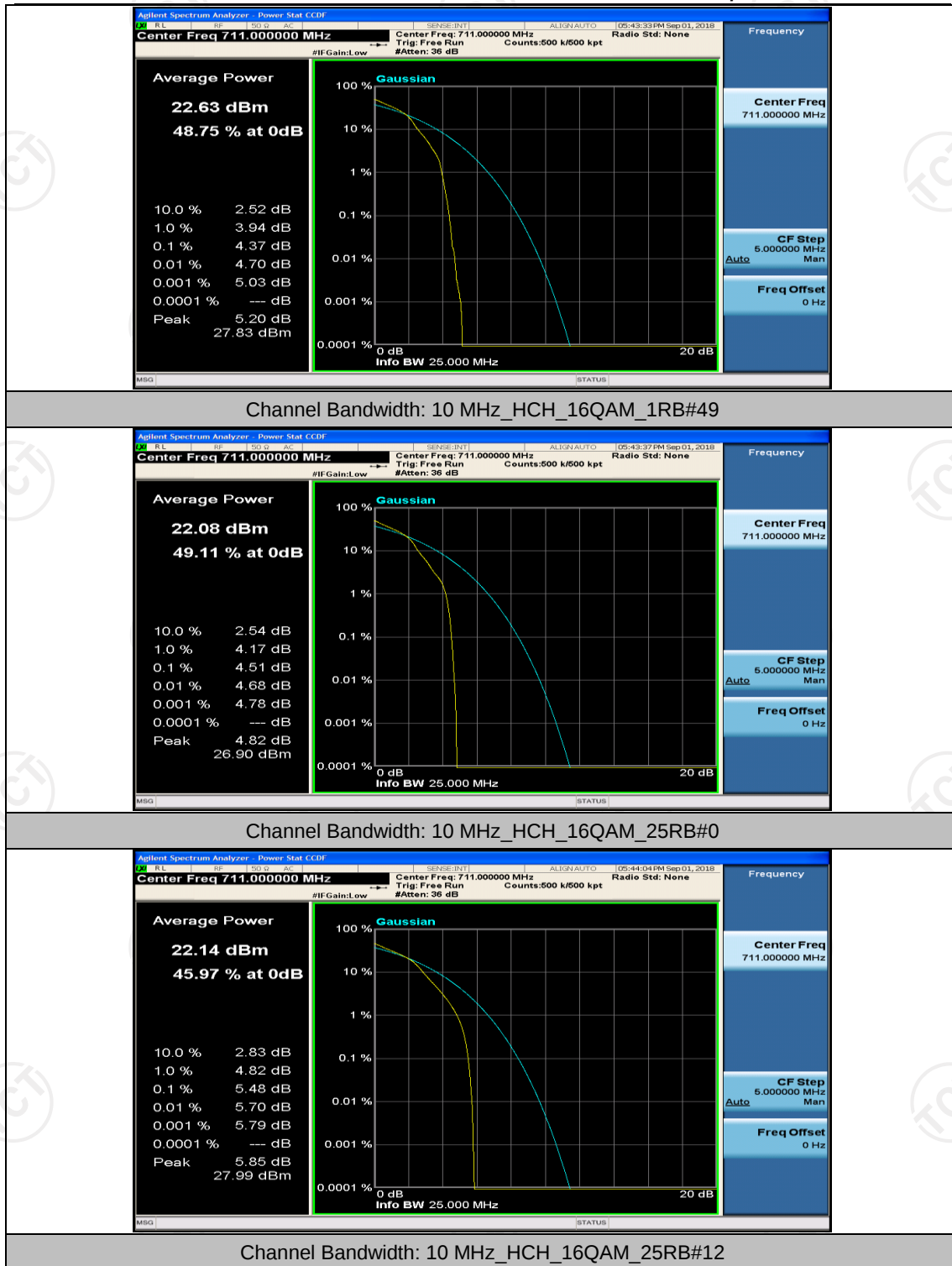
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

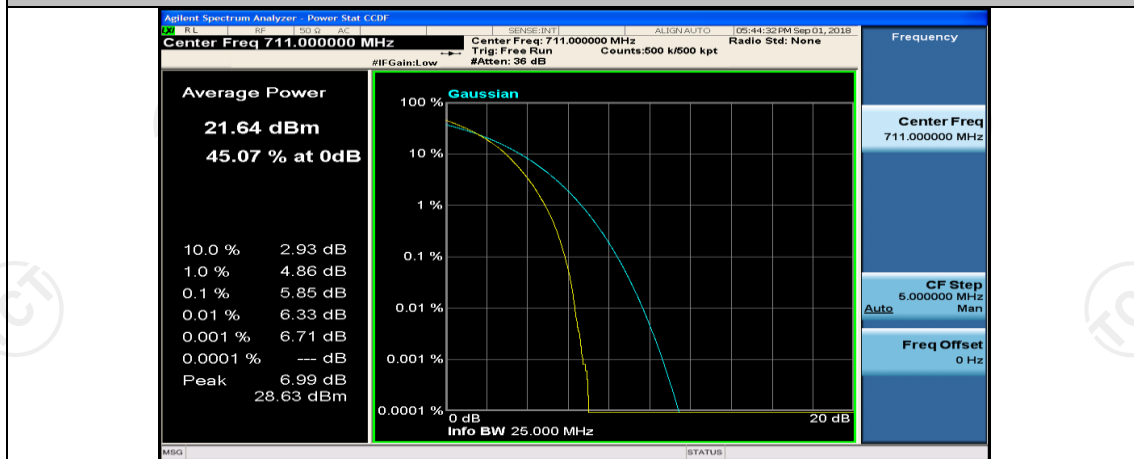
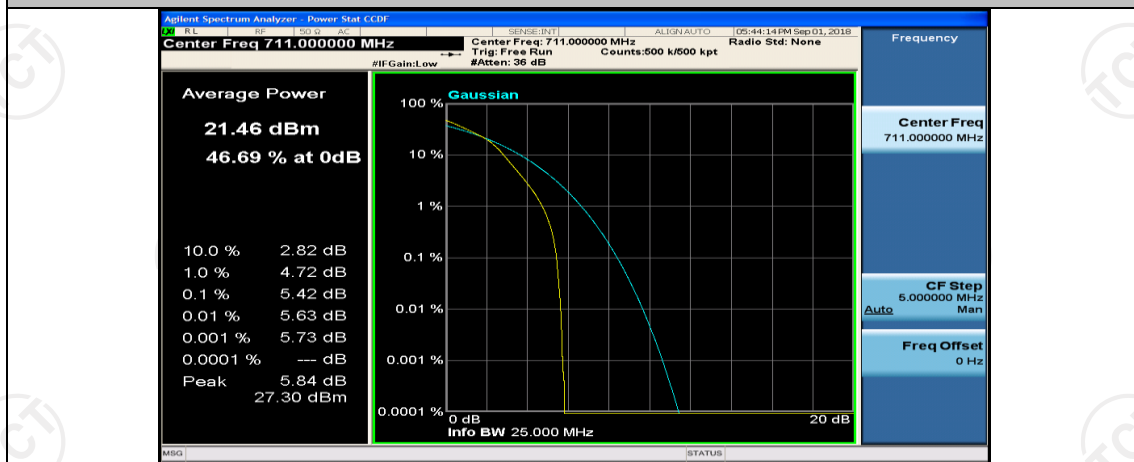
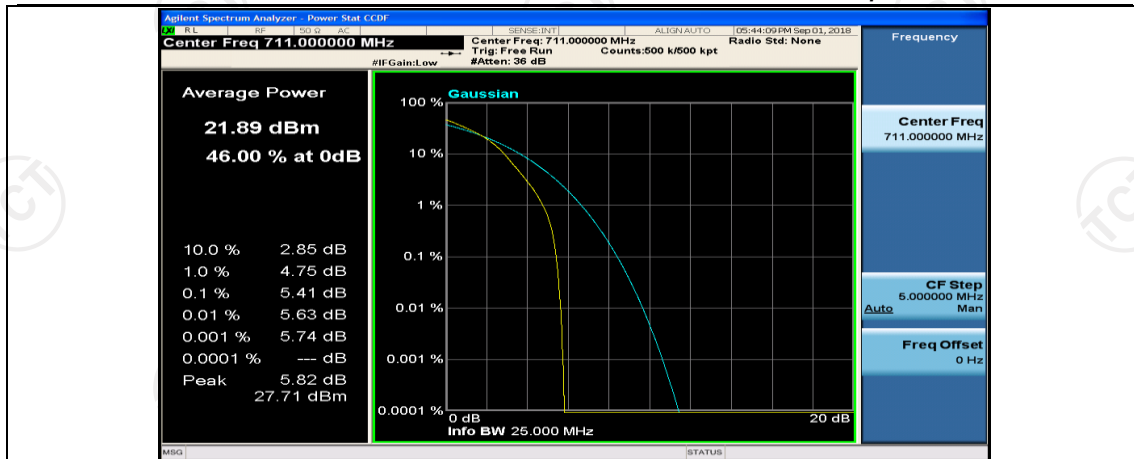


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



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	0.29806	0.4881	PASS
		1	12	0.42158	0.6486	PASS
		1	24	0.29537	0.4635	PASS
		12	0	2.1745	2.502	PASS
		12	6	2.1779	2.722	PASS
		12	13	2.1766	2.522	PASS
		25	0	4.4770	4.856	PASS
	MCH	1	0	0.30752	0.4843	PASS
		1	12	0.40508	0.6549	PASS
		1	24	0.29837	0.4948	PASS
		12	0	2.1742	2.578	PASS
		12	6	2.1813	2.896	PASS
		12	13	2.1758	2.551	PASS
		25	0	4.4847	4.835	PASS
	HCH	1	0	0.29916	0.4972	PASS
		1	12	0.39738	0.6056	PASS
		1	24	0.30156	0.5036	PASS
		12	0	2.1746	2.503	PASS
		12	6	2.1807	2.702	PASS
		12	13	2.1773	2.566	PASS
		25	0	4.4695	4.830	PASS
16QAM	LCH	1	0	0.29569	0.4445	PASS
		1	12	0.42838	0.6072	PASS
		1	24	0.30817	0.4996	PASS
		12	0	2.1790	2.552	PASS
		12	6	2.1839	2.728	PASS
		12	13	2.1808	2.599	PASS
		25	0	4.4839	4.759	PASS
	MCH	1	0	0.30587	0.4886	PASS
		1	12	0.43662	0.6882	PASS
		1	24	0.30238	0.4817	PASS
		12	0	2.1739	2.525	PASS

		12	6	2.1851	2.783	PASS
		12	13	2.1749	2.507	PASS
		25	0	4.4806	4.863	PASS
	HCH	1	0	0.30818	0.5185	PASS
		1	12	0.41723	0.6017	PASS
		1	24	0.30499	0.5066	PASS
		12	0	2.1833	2.574	PASS
		12	6	2.1814	2.701	PASS
		12	13	2.1797	2.547	PASS
		25	0	4.4757	4.813	PASS

Channel Bandwidth: 10 MHz

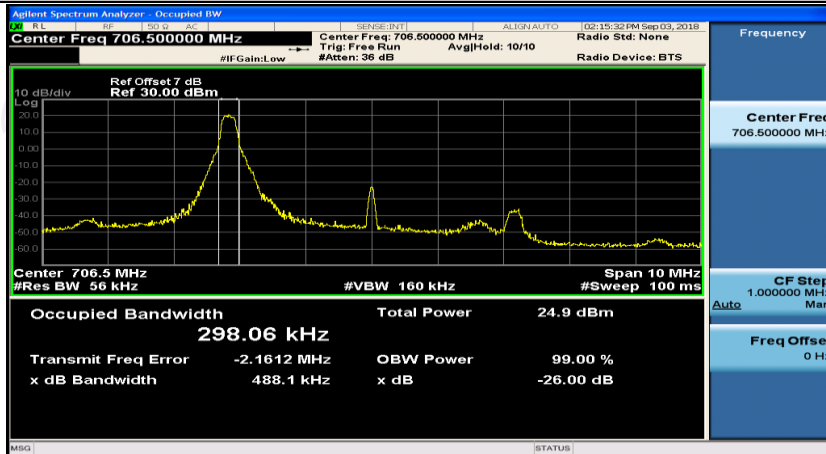
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.39260	0.5937	PASS
		1	25	0.46440	0.7417	PASS
		1	49	0.39133	0.6135	PASS
		25	0	4.5168	4.987	PASS
		25	12	4.5163	5.218	PASS
		25	25	4.5082	4.974	PASS
		50	0	8.9706	9.502	PASS
	MCH	1	0	0.39276	0.5982	PASS
		1	25	0.46493	0.7062	PASS
		1	49	0.39465	0.6112	PASS
		25	0	4.5223	5.017	PASS
		25	12	4.5284	5.209	PASS
		25	25	4.5101	4.939	PASS
		50	0	8.9514	9.450	PASS
	HCH	1	0	0.39113	0.5783	PASS
		1	25	0.47084	0.7223	PASS
		1	49	0.38734	0.5804	PASS
		25	0	4.5251	5.053	PASS
		25	12	4.5315	5.180	PASS
		25	25	4.5022	4.960	PASS
		50	0	8.9464	9.468	PASS
16QAM	LCH	1	0	0.39499	0.5865	PASS
		1	25	0.46823	0.6566	PASS
		1	49	0.39009	0.6031	PASS
		25	0	4.5158	4.986	PASS
		25	12	4.5269	5.246	PASS

		25	25	4.5166	4.950	PASS
		50	0	8.9773	9.518	PASS
	MCH	1	0	0.39201	0.5606	PASS
		1	25	0.47031	0.7438	PASS
		1	49	0.39276	0.5873	PASS
		25	0	4.5158	4.988	PASS
		25	12	4.5293	5.147	PASS
		25	25	4.5125	4.953	PASS
		50	0	8.9708	9.497	PASS
	HCH	1	0	0.39307	0.5995	PASS
		1	25	0.46805	0.7821	PASS
		1	49	0.38782	0.5726	PASS
		25	0	4.5211	5.014	PASS
		25	12	4.5231	5.191	PASS
		25	25	4.5007	4.981	PASS
		50	0	8.9502	9.415	PASS

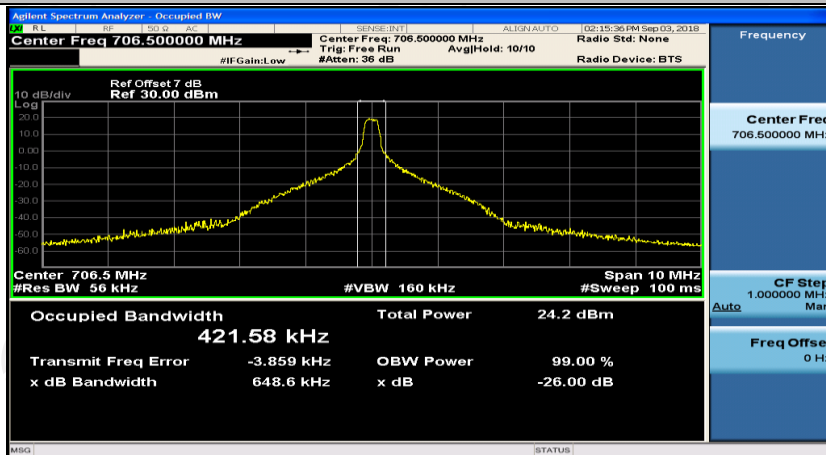
Test Graphs

Channel Bandwidth: 5 MHz

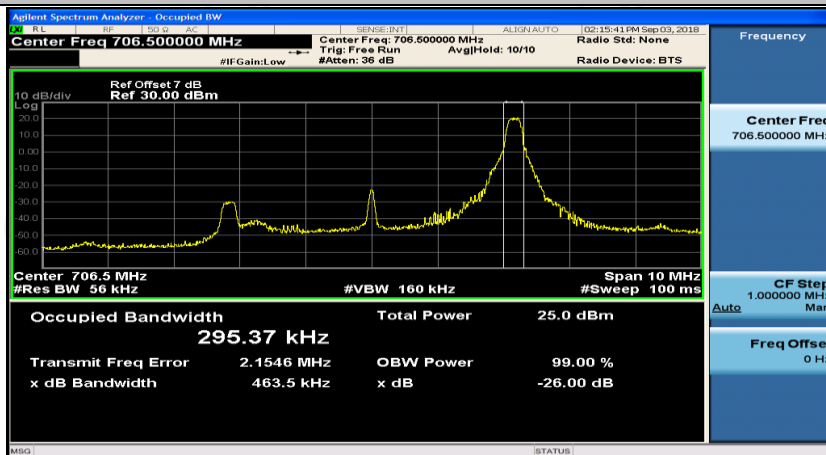
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



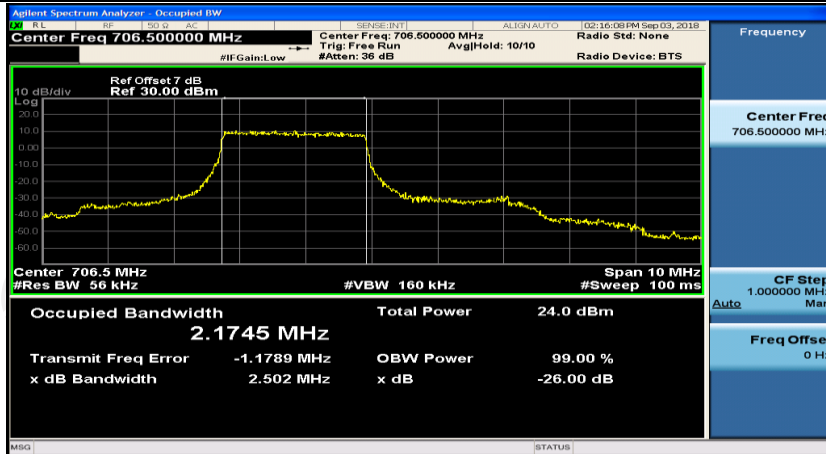
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



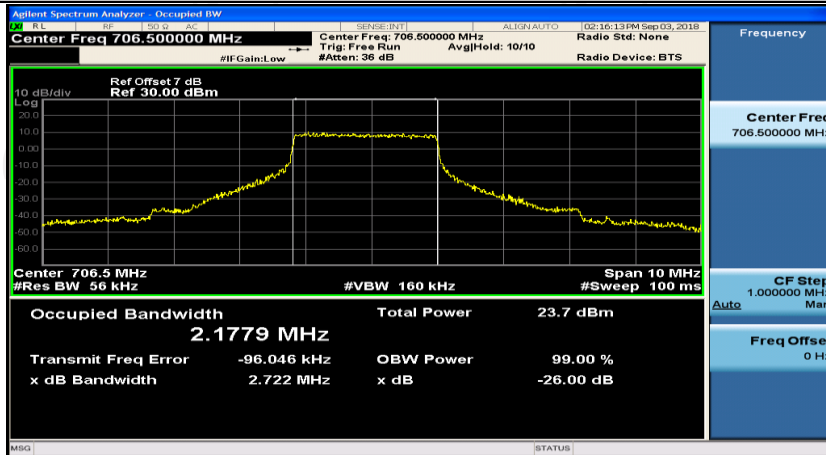
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



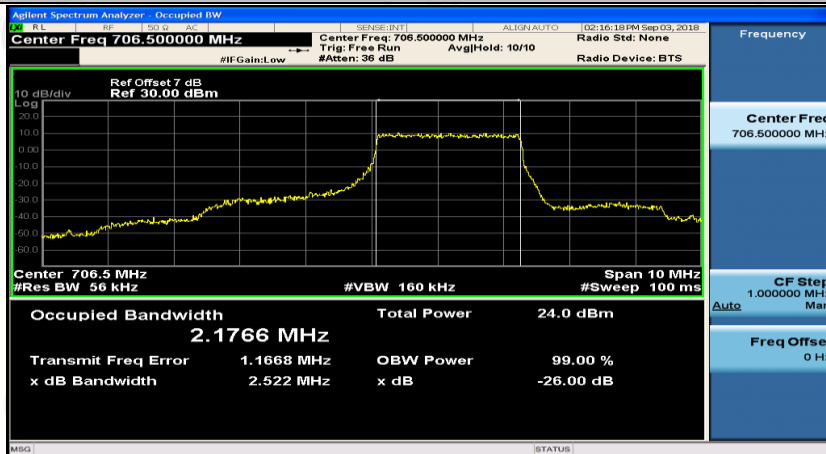
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



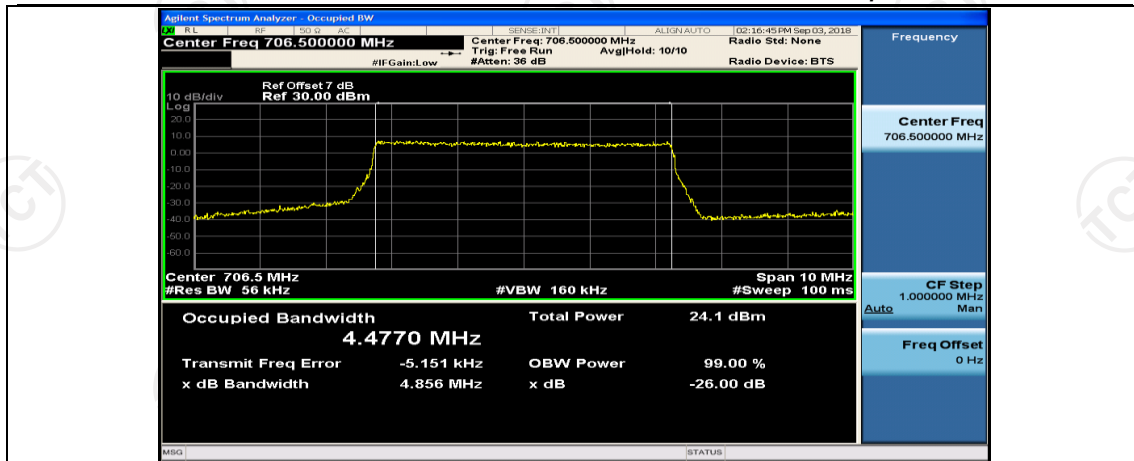
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



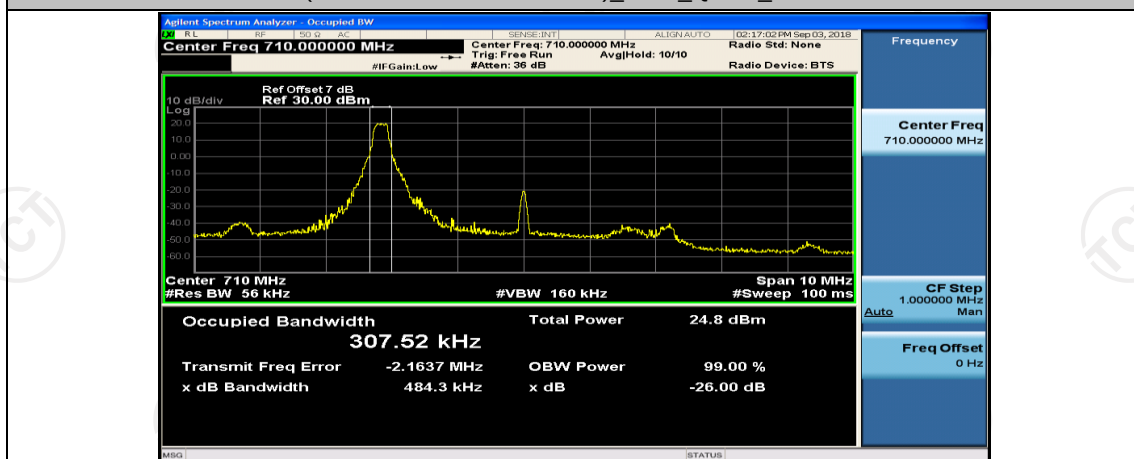
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



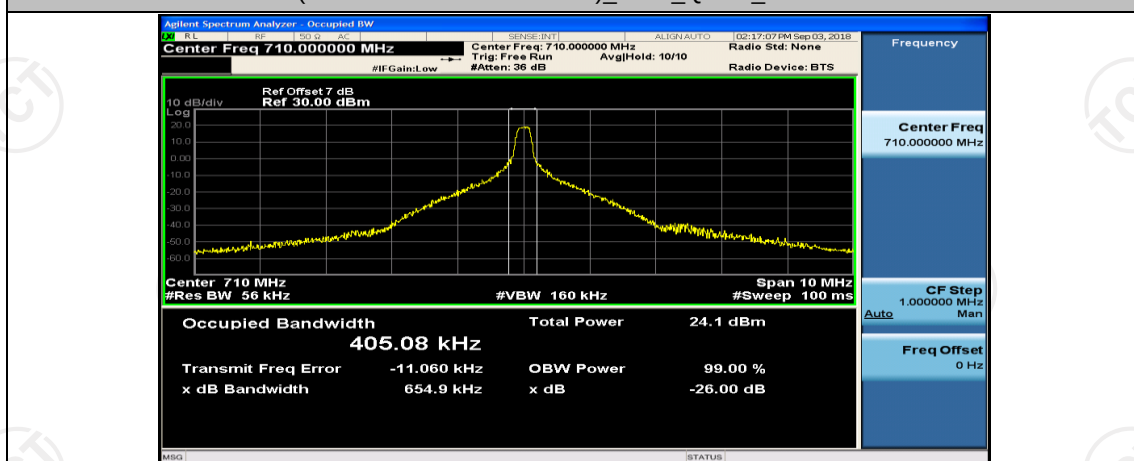
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24