

Appendix for Band 17

Product Name: 4G Smart Phone
Model No: Wildfire E2

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.56	PASS
		1	12	24.77	PASS
		1	24	24.55	PASS
		12	0	23.59	PASS
		12	6	23.59	PASS
		12	13	23.56	PASS
		25	0	23.58	PASS
	MCH	1	0	24.54	PASS
		1	12	24.84	PASS
		1	24	24.50	PASS
		12	0	23.53	PASS
		12	6	23.59	PASS
		12	13	23.66	PASS
		25	0	23.61	PASS
	HCH	1	0	24.57	PASS
		1	12	24.80	PASS
		1	24	24.47	PASS
		12	0	23.43	PASS
		12	6	23.54	PASS
		12	13	23.53	PASS
		25	0	23.48	PASS
16QAM	LCH	1	0	23.61	PASS
		1	12	23.98	PASS
		1	24	23.73	PASS
		12	0	22.57	PASS
		12	6	22.57	PASS
		12	13	22.56	PASS
		25	0	22.56	PASS
	MCH	1	0	23.66	PASS
		1	12	23.98	PASS
		1	24	23.75	PASS
		12	0	22.60	PASS
		12	6	22.63	PASS

		12	13	22.70	PASS
		25	0	22.60	PASS
	HCH	1	0	23.72	PASS
		1	12	23.99	PASS
		1	24	23.62	PASS
		12	0	22.41	PASS
		12	6	22.49	PASS
		12	13	22.49	PASS
		25	0	22.53	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.89	PASS
		1	24	24.66	PASS
		1	49	24.50	PASS
		25	0	23.70	PASS
		25	12	23.64	PASS
		25	25	23.82	PASS
		50	0	23.72	PASS
	MCH	1	0	24.66	PASS
		1	24	24.70	PASS
		1	49	24.47	PASS
		25	0	23.63	PASS
		25	12	23.60	PASS
		25	25	23.80	PASS
		50	0	23.69	PASS
	HCH	1	0	24.62	PASS
		1	24	24.71	PASS
		1	49	24.53	PASS
		25	0	23.59	PASS
		25	12	23.61	PASS
		25	25	23.76	PASS
		50	0	23.68	PASS
16QAM	LCH	1	0	23.67	PASS
		1	24	23.89	PASS
		1	49	23.74	PASS
		25	0	22.70	PASS
		25	12	22.59	PASS
		25	25	22.81	PASS
		50	0	22.71	PASS

	MCH	1	0	23.80	PASS
		1	24	24.03	PASS
		1	49	23.83	PASS
		25	0	22.67	PASS
		25	12	22.60	PASS
		25	25	22.82	PASS
		50	0	22.73	PASS
	HCH	1	0	23.73	PASS
		1	24	23.95	PASS
		1	49	23.73	PASS
		25	0	22.53	PASS
		25	12	22.57	PASS
		25	25	22.74	PASS
		50	0	22.67	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	2.81	<13	PASS
		1	12	2.61	<13	PASS
		1	24	3.47	<13	PASS
		12	0	3.62	<13	PASS
		12	6	3.72	<13	PASS
		12	13	3.96	<13	PASS
		25	0	3.85	<13	PASS
	MCH	1	0	3.09	<13	PASS
		1	12	3.62	<13	PASS
		1	24	4.35	<13	PASS
		12	0	4.37	<13	PASS
		12	6	4.61	<13	PASS
		12	13	4.82	<13	PASS
		25	0	4.66	<13	PASS
	HCH	1	0	4.36	<13	PASS
		1	12	4.35	<13	PASS
		1	24	3.94	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.02	<13	PASS
		12	13	4.81	<13	PASS
		25	0	4.98	<13	PASS
16QAM	LCH	1	0	3.79	<13	PASS
		1	12	3.86	<13	PASS
		1	24	4.27	<13	PASS
		12	0	4.59	<13	PASS
		12	6	4.68	<13	PASS
		12	13	4.88	<13	PASS
		25	0	4.76	<13	PASS
	MCH	1	0	3.93	<13	PASS
		1	12	4.59	<13	PASS
		1	24	5.25	<13	PASS

		12	0	5.27	<13	PASS
		12	6	5.48	<13	PASS
		12	13	5.77	<13	PASS
		25	0	5.54	<13	PASS
	HCH	1	0	5.18	<13	PASS
		1	12	5.17	<13	PASS
		1	24	4.65	<13	PASS
		12	0	5.96	<13	PASS
		12	6	5.98	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.81	<13	PASS

Channel Bandwidth: 10 MHz

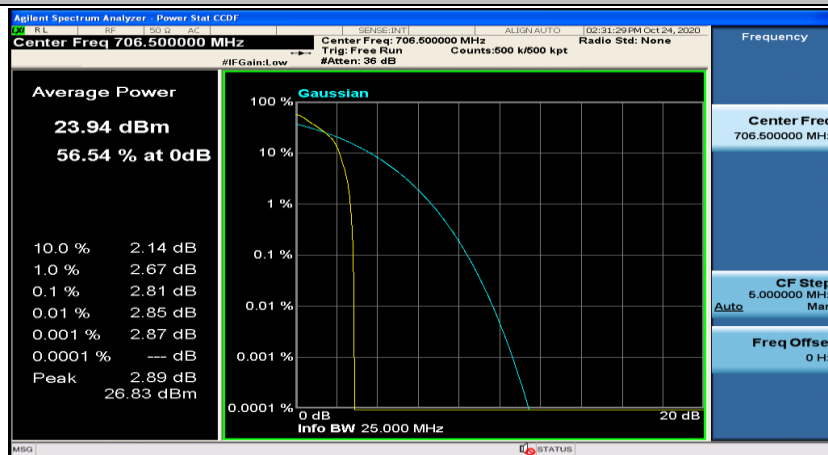
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.64	<13	PASS
		1	24	3.36	<13	PASS
		1	49	4.39	<13	PASS
		25	0	3.8	<13	PASS
		25	12	4.38	<13	PASS
		25	25	4.81	<13	PASS
		50	0	4.67	<13	PASS
	MCH	1	0	2.58	<13	PASS
		1	24	3.6	<13	PASS
		1	49	4	<13	PASS
		25	0	4.08	<13	PASS
		25	12	4.65	<13	PASS
		25	25	4.9	<13	PASS
		50	0	4.78	<13	PASS
	HCH	1	0	2.72	<13	PASS
		1	24	3.9	<13	PASS
		1	49	3.68	<13	PASS
		25	0	4.37	<13	PASS
		25	12	4.83	<13	PASS
		25	25	4.84	<13	PASS
		50	0	4.88	<13	PASS
16QAM	LCH	1	0	3.66	<13	PASS
		1	24	4.27	<13	PASS
		1	49	5.26	<13	PASS
		25	0	4.74	<13	PASS

		25	12	5.32	<13	PASS
		25	25	5.75	<13	PASS
		50	0	5.46	<13	PASS
	MCH	1	0	3.63	<13	PASS
		1	24	4.46	<13	PASS
		1	49	4.98	<13	PASS
		25	0	5	<13	PASS
		25	12	5.56	<13	PASS
		25	25	5.77	<13	PASS
		50	0	5.65	<13	PASS
	HCH	1	0	3.72	<13	PASS
		1	24	4.92	<13	PASS
		1	49	4.65	<13	PASS
		25	0	5.31	<13	PASS
		25	12	5.76	<13	PASS
		25	25	5.75	<13	PASS
		50	0	5.73	<13	PASS

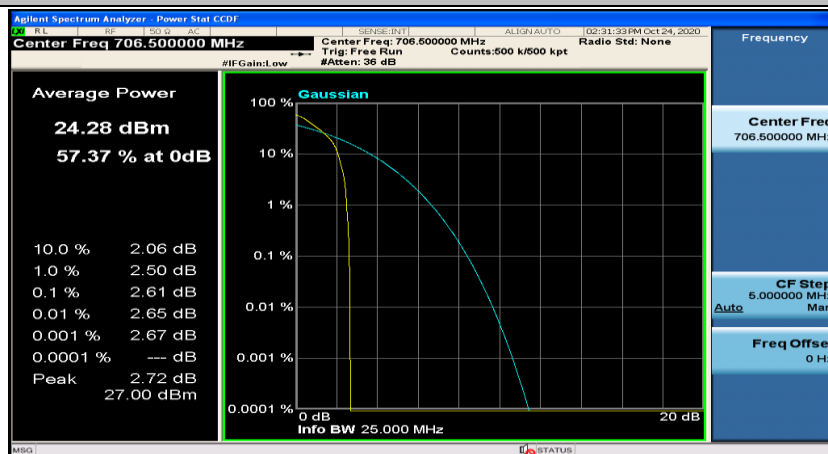
Test Graphs

Channel Bandwidth: 5 MHz

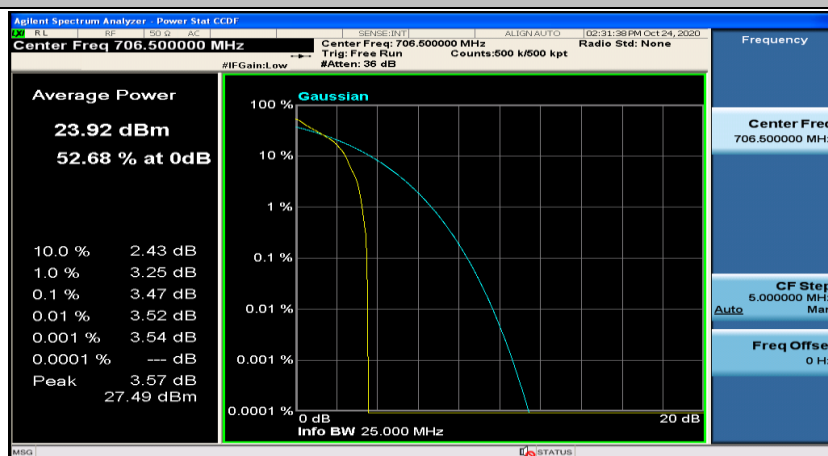
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



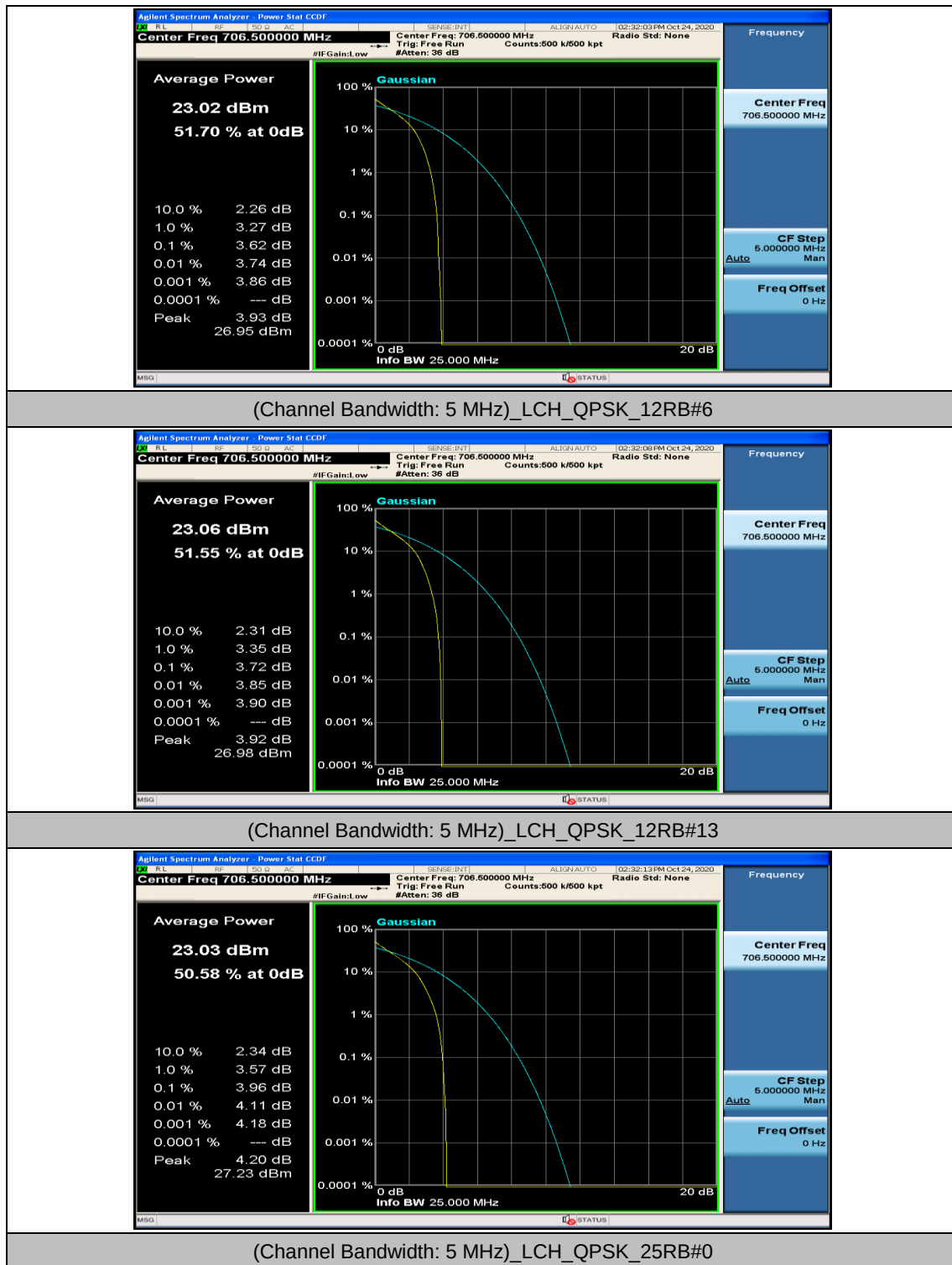
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

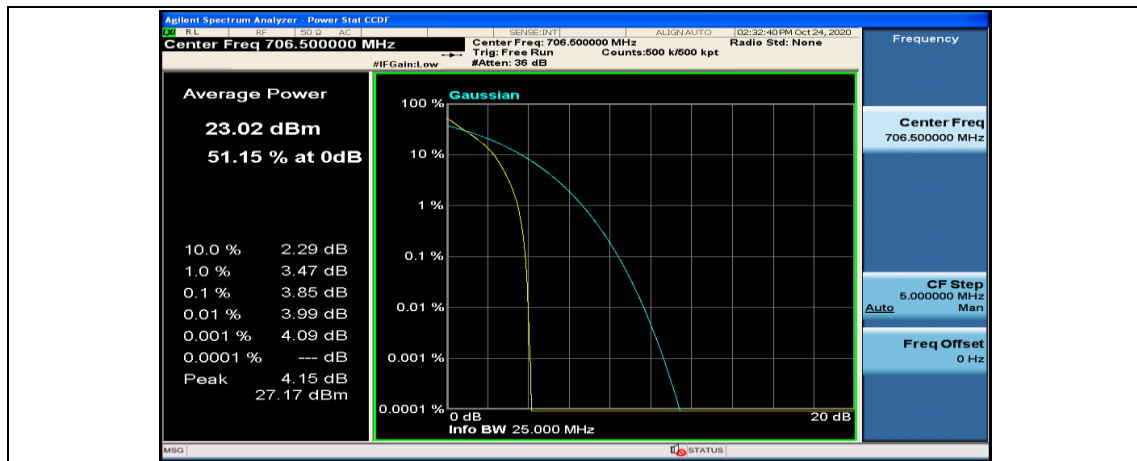


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

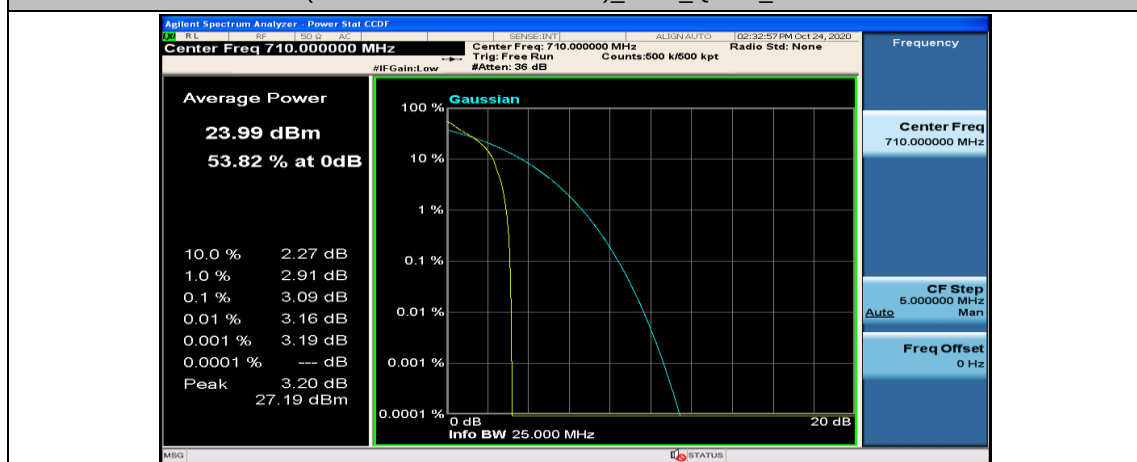


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

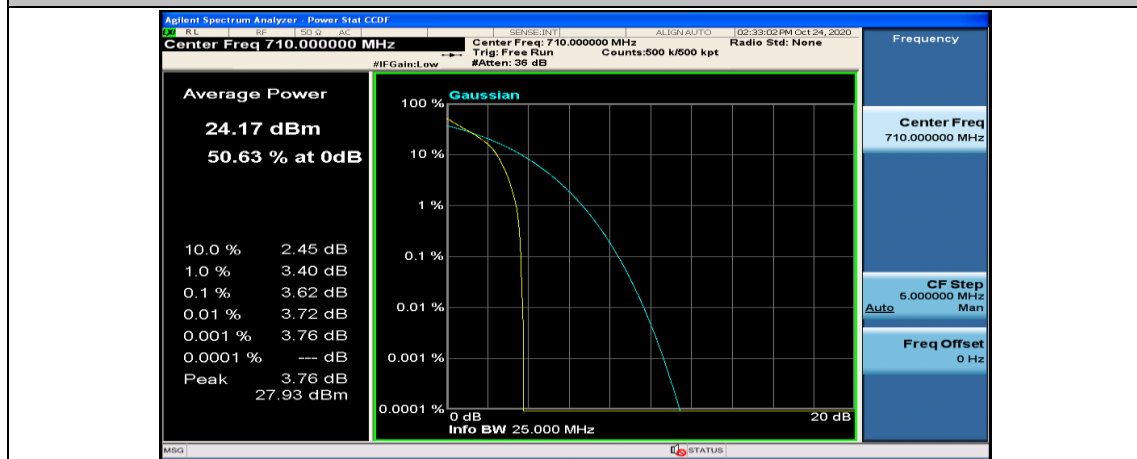




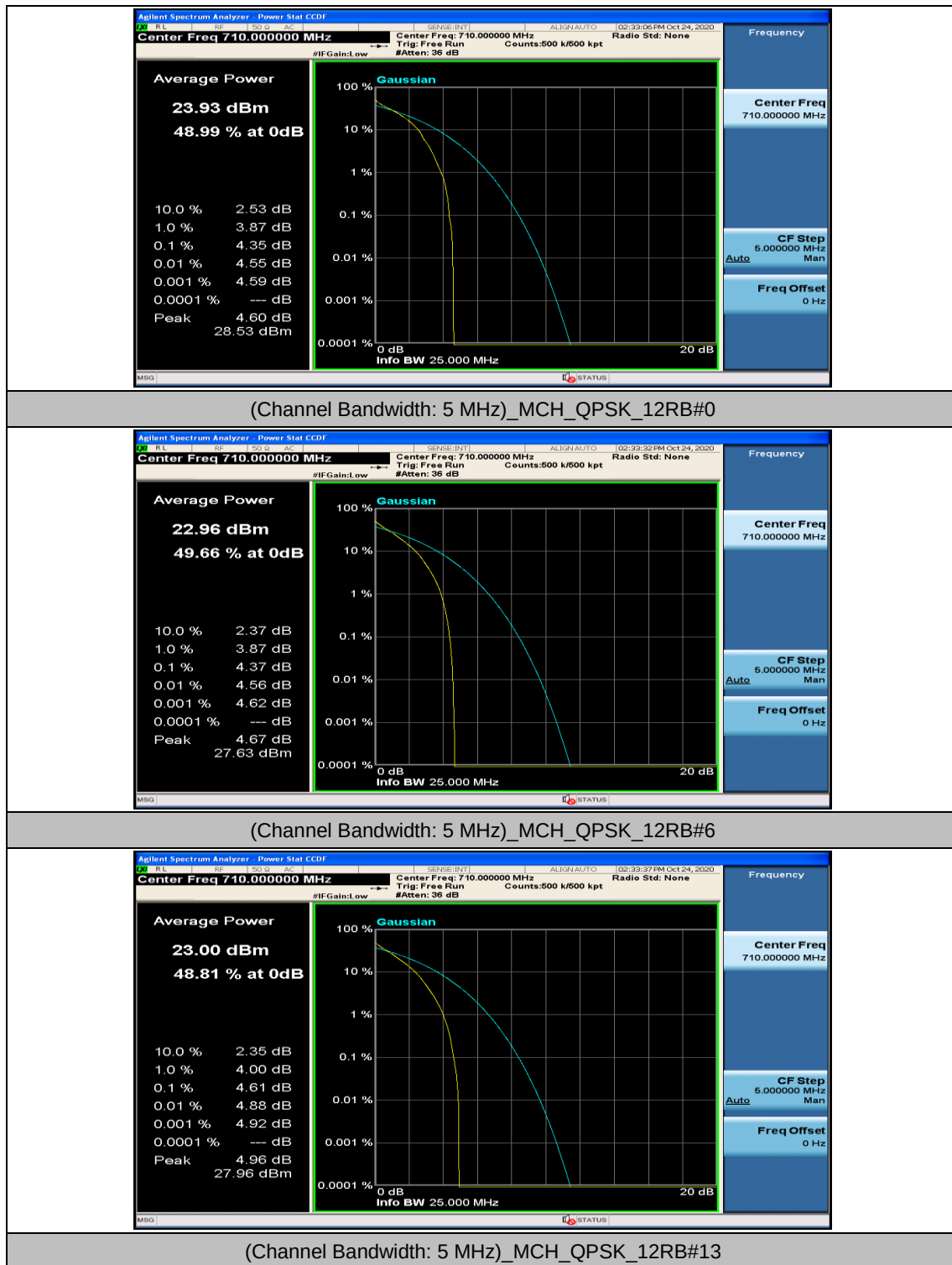
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

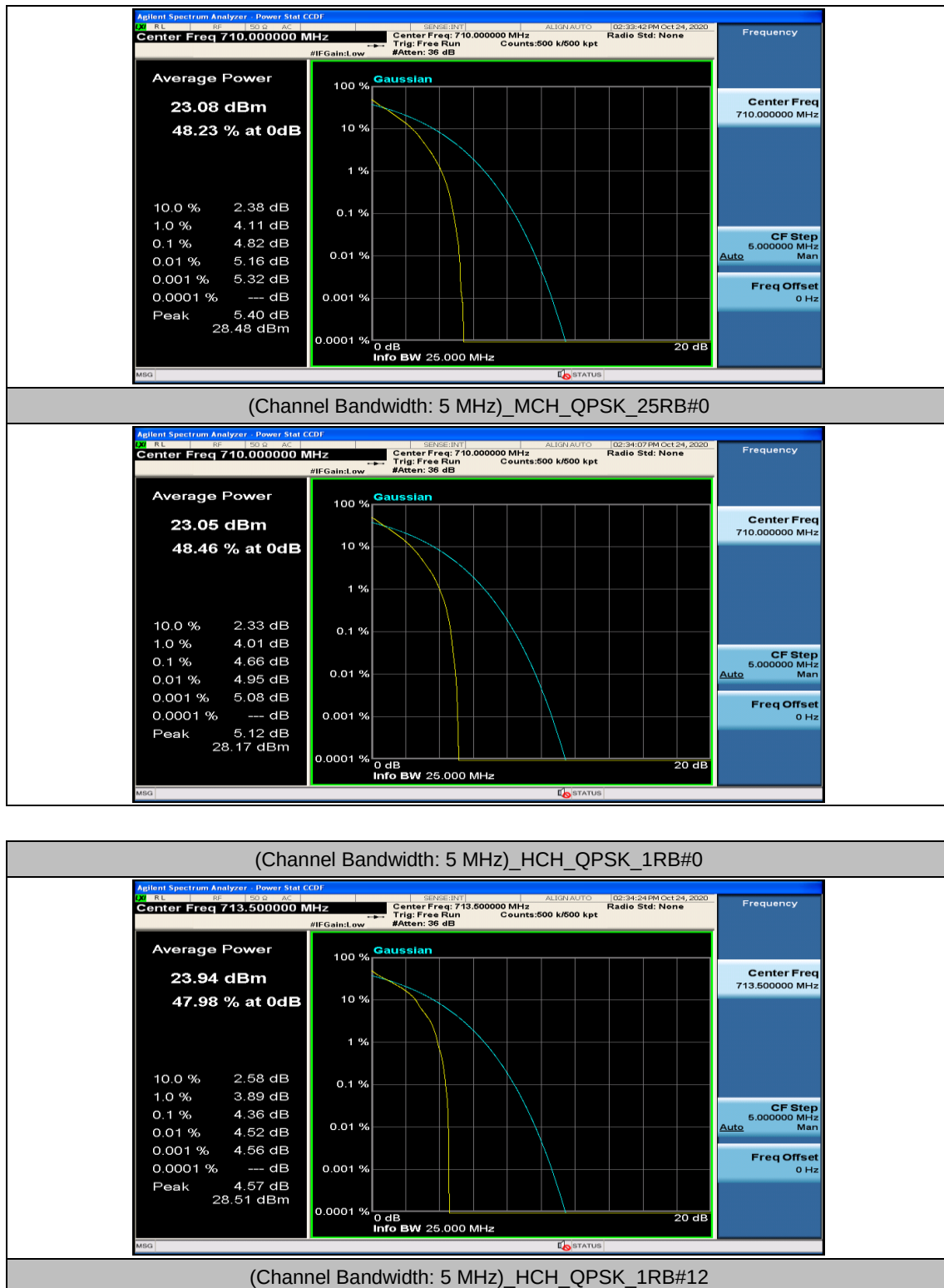


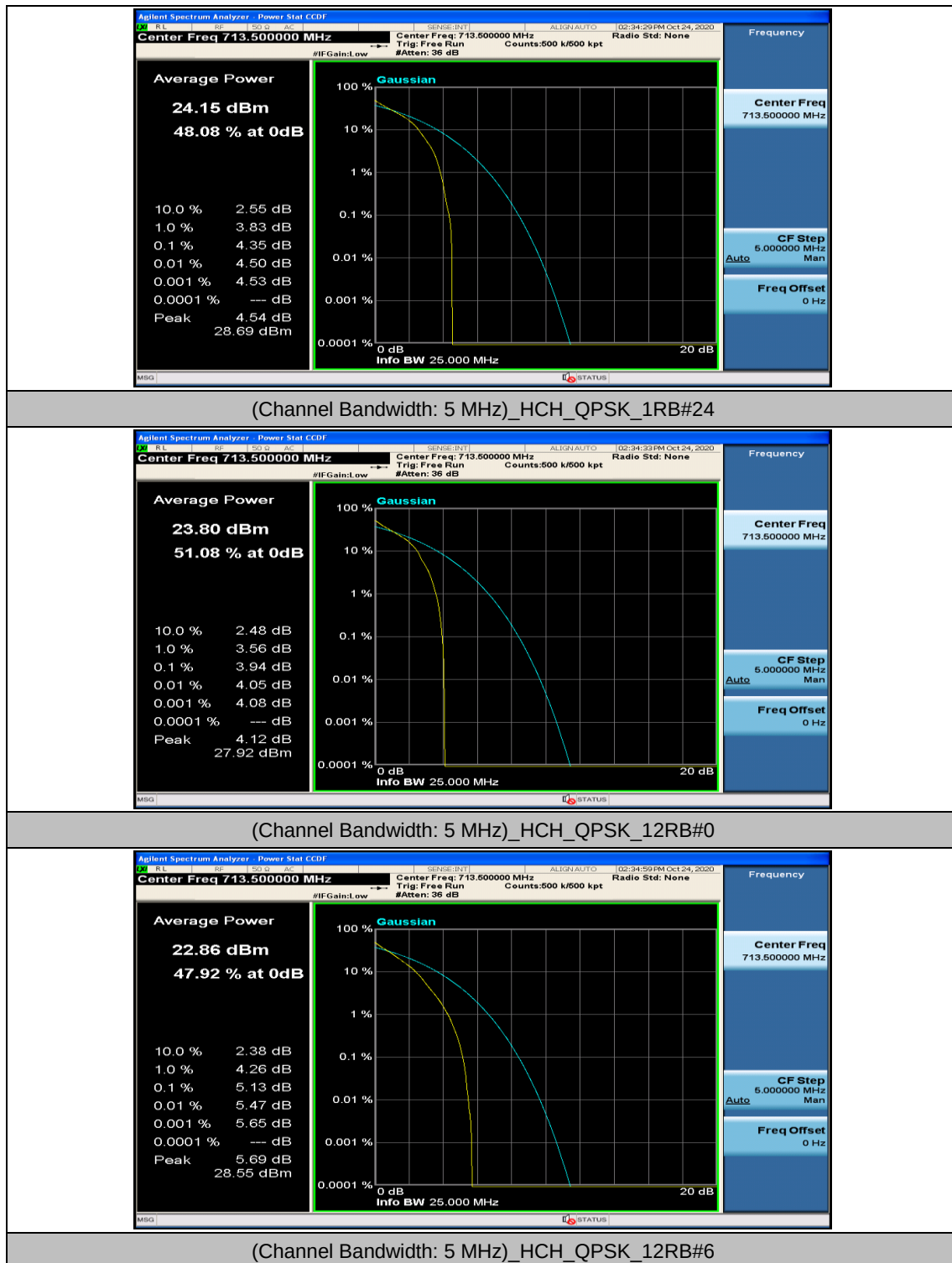
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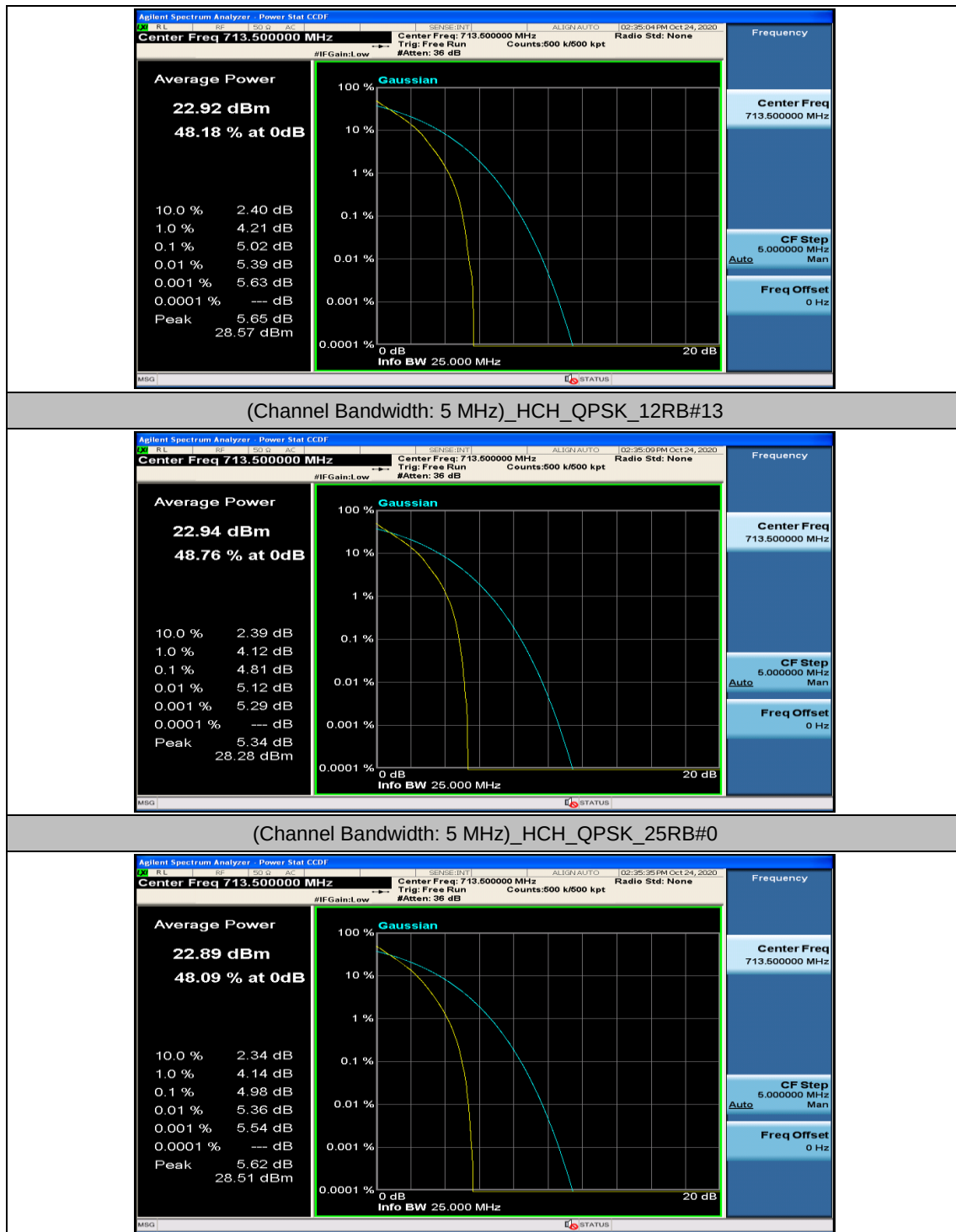


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

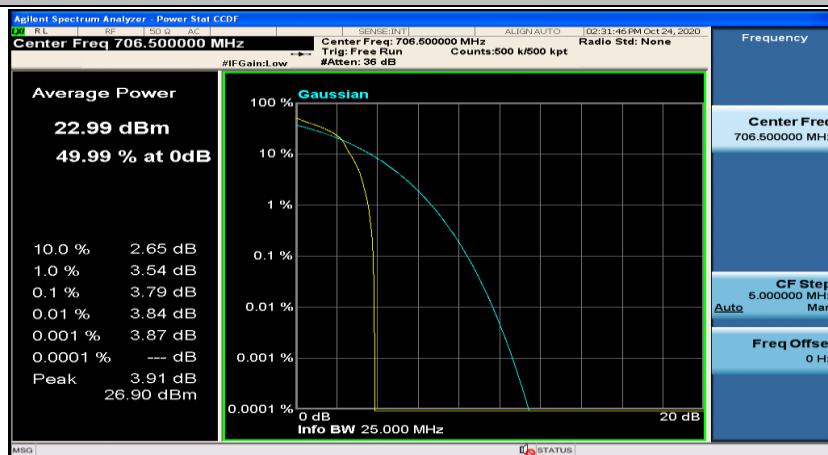




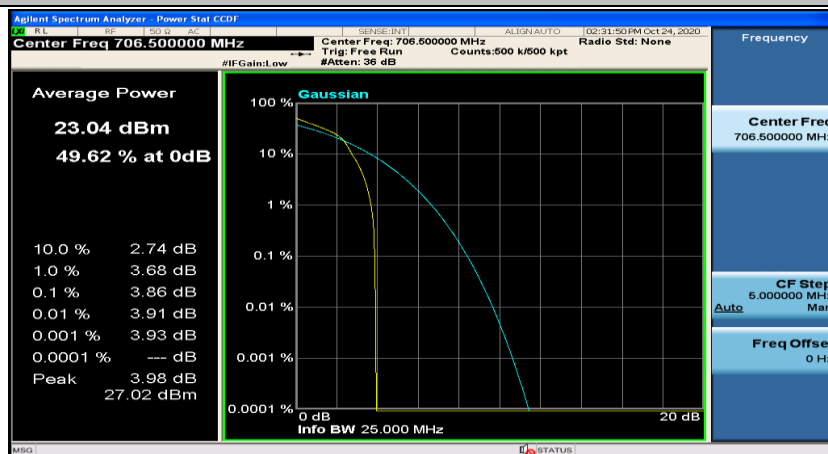




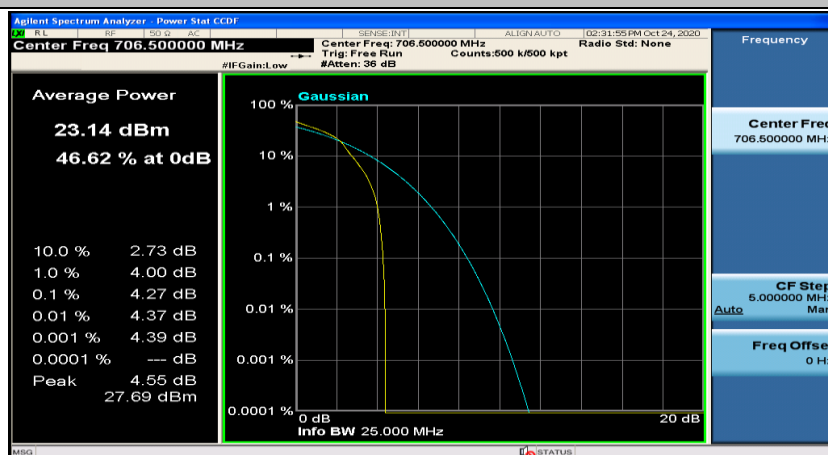
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



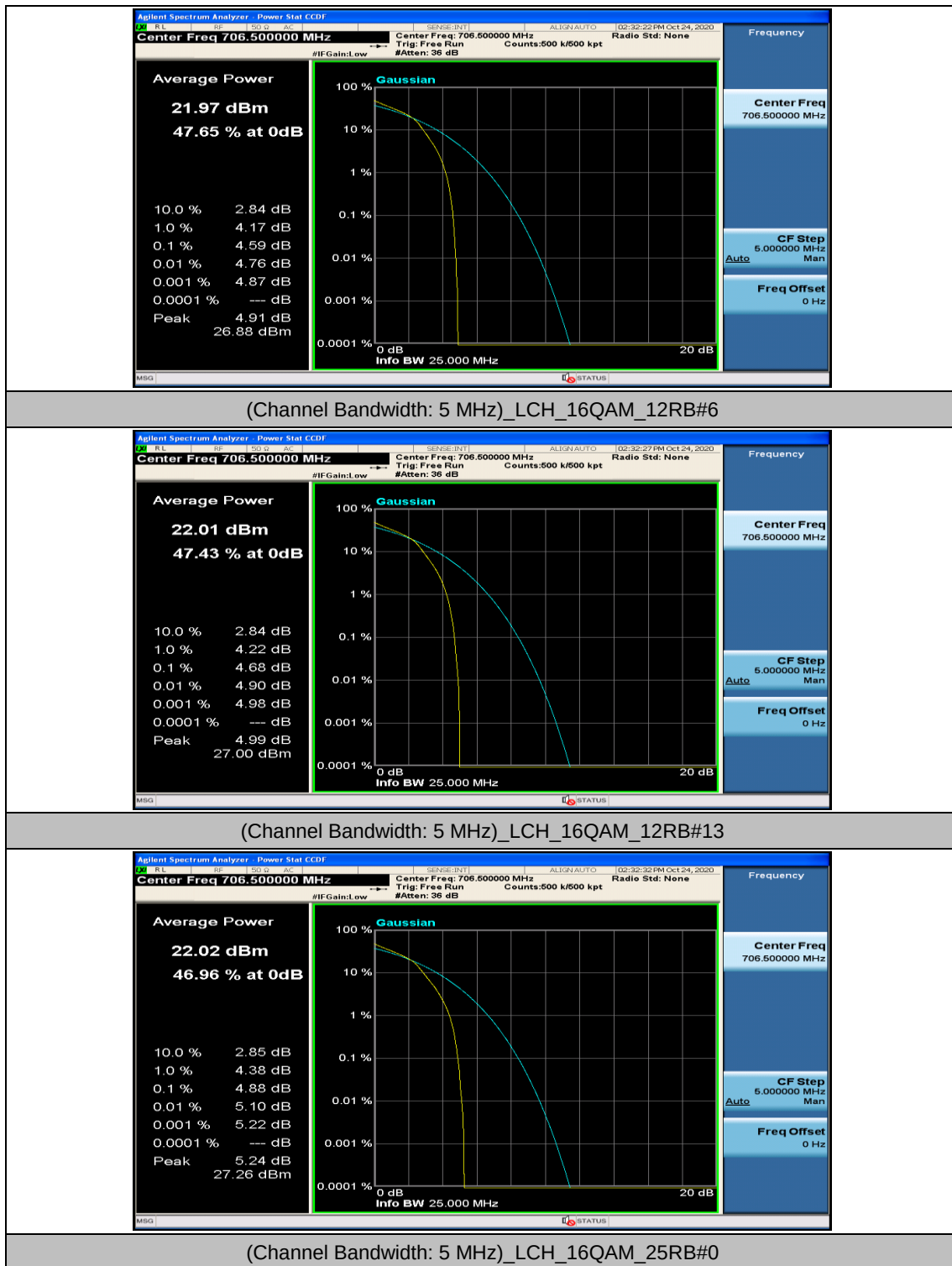
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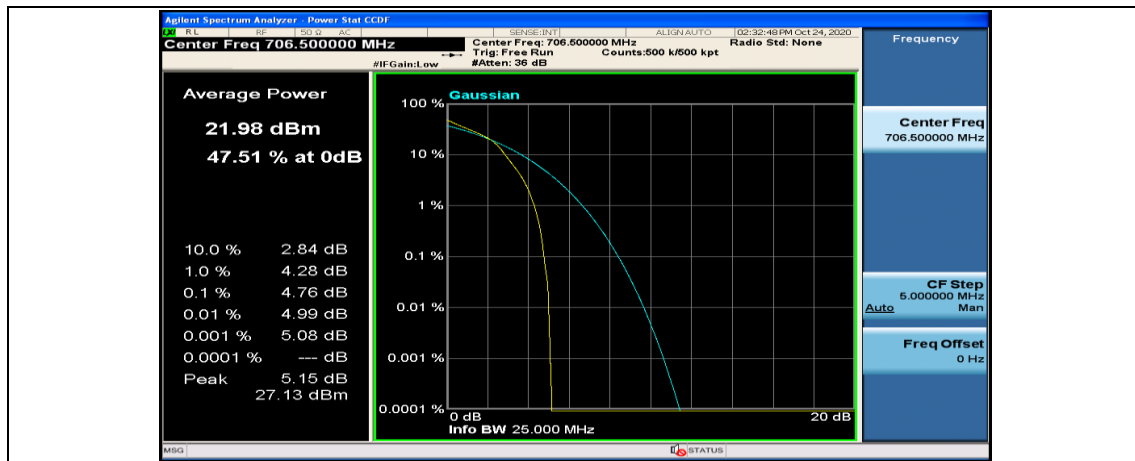


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

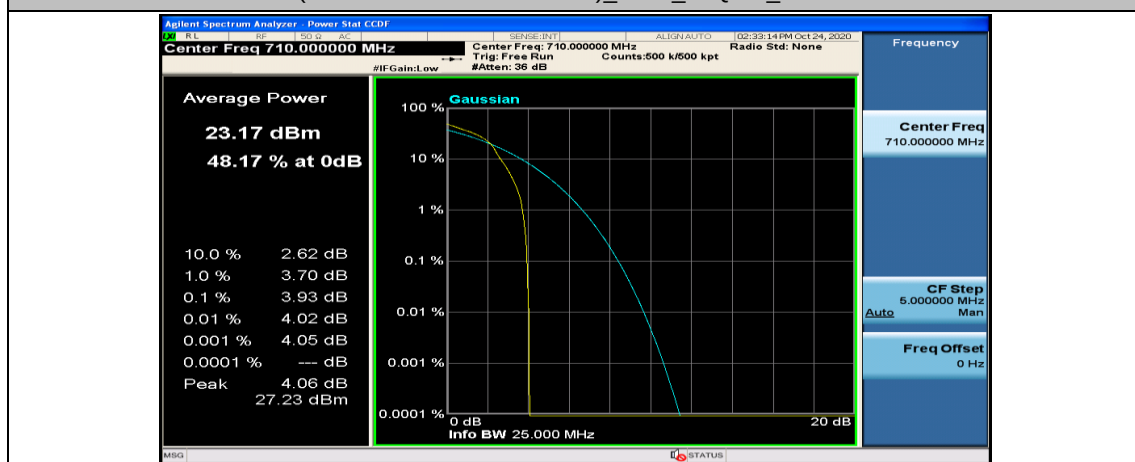


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

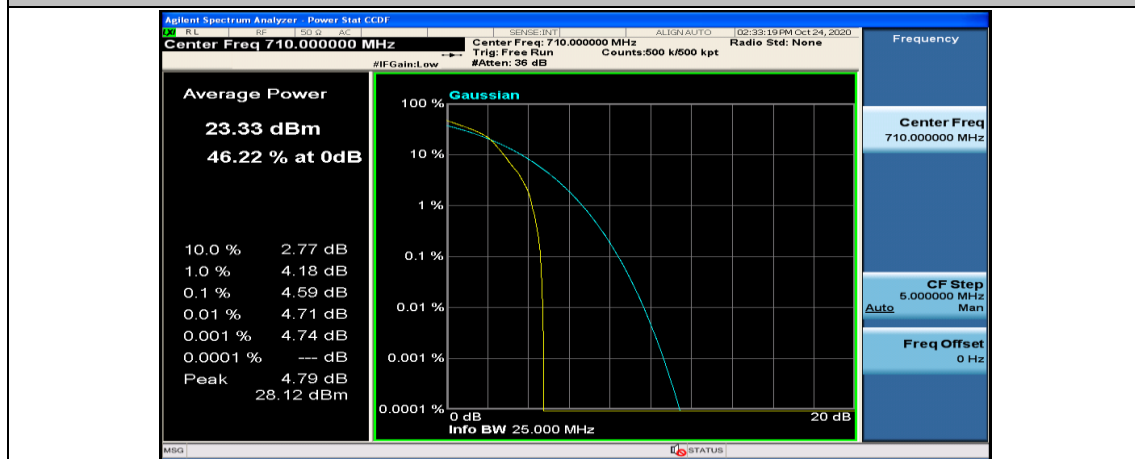




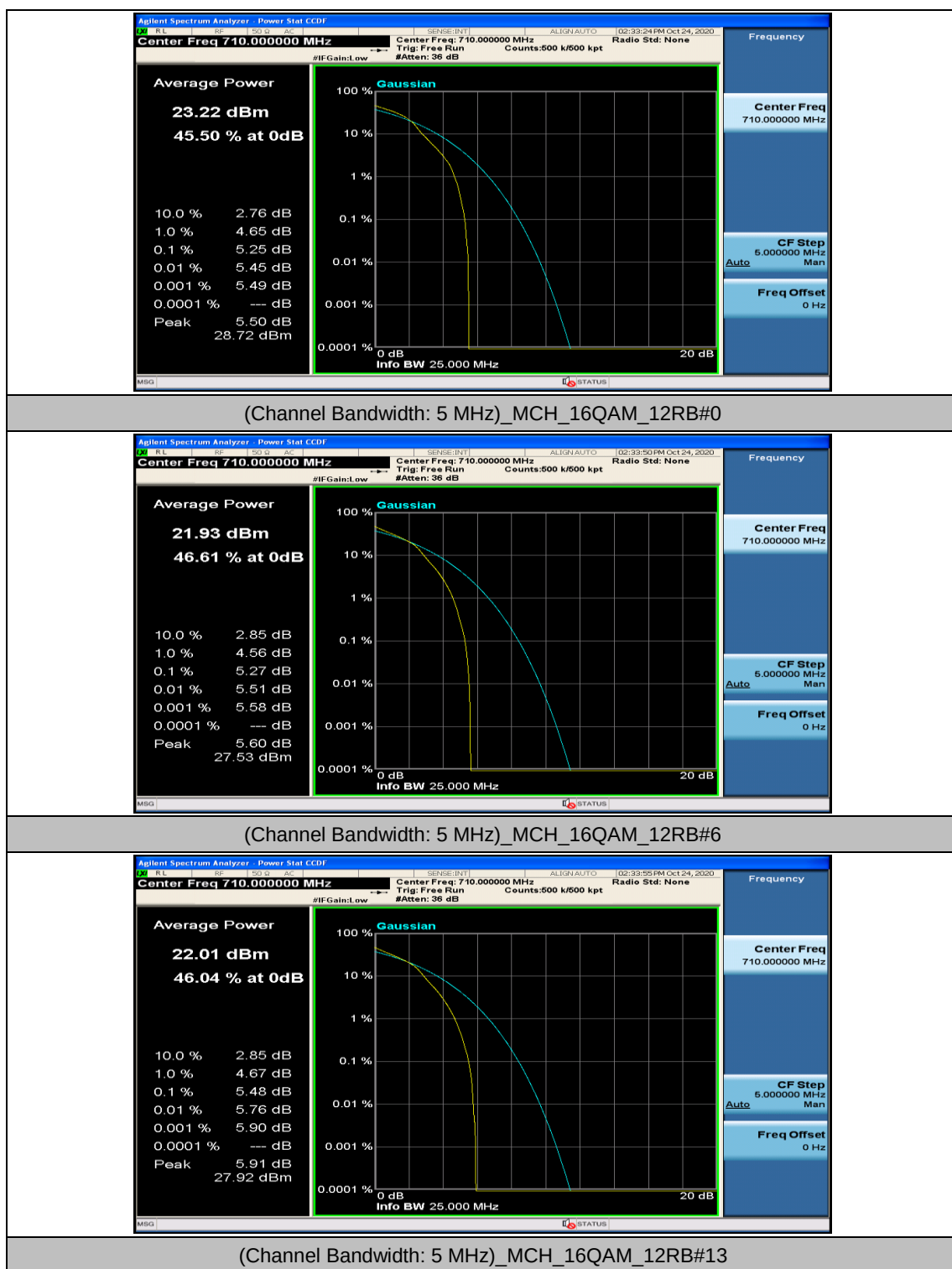
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

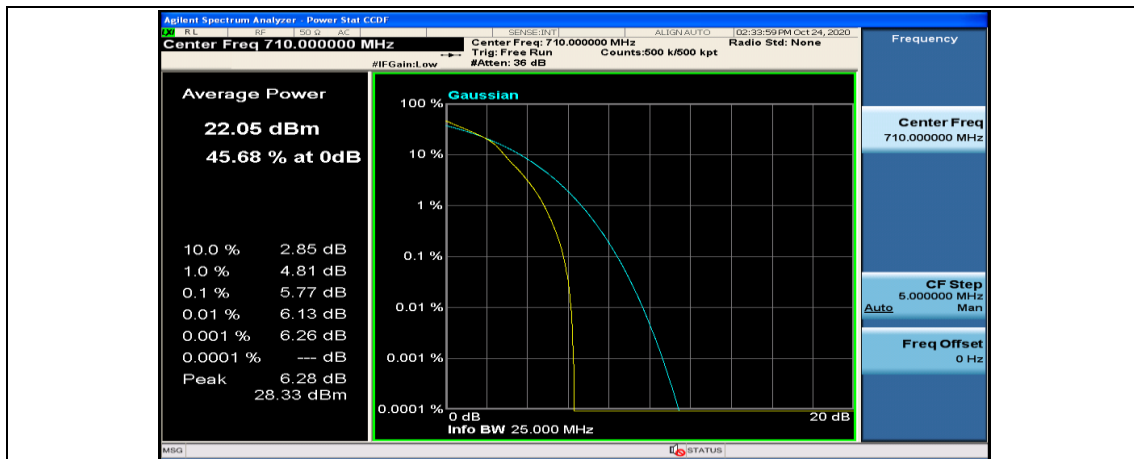


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

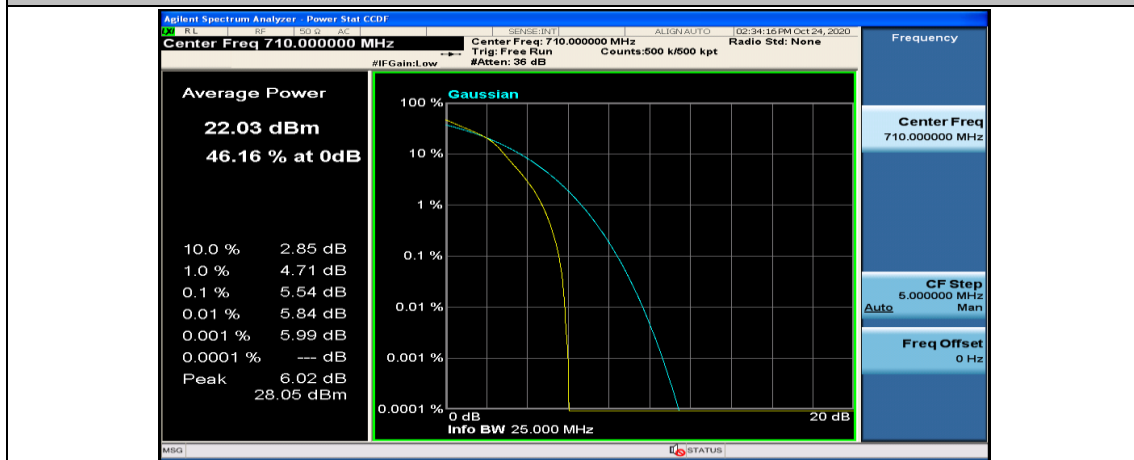


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

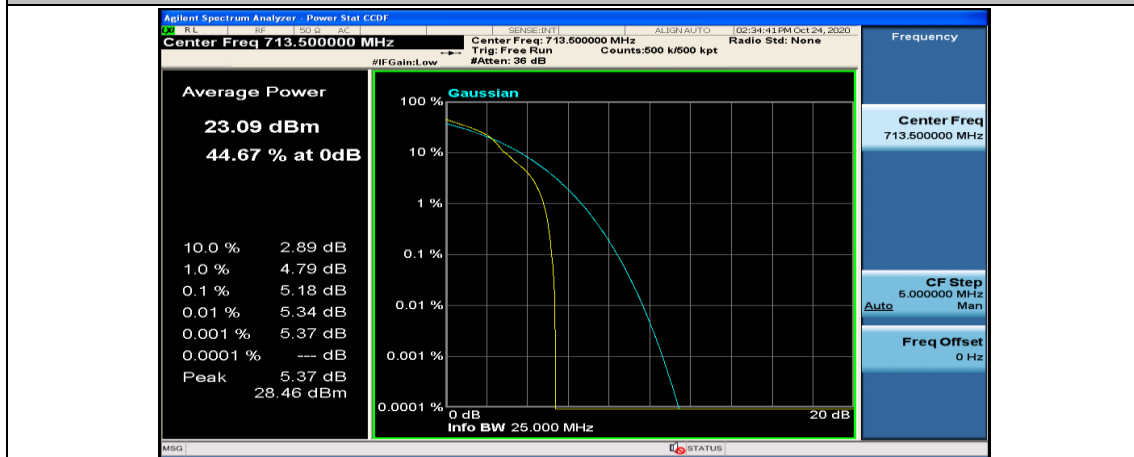




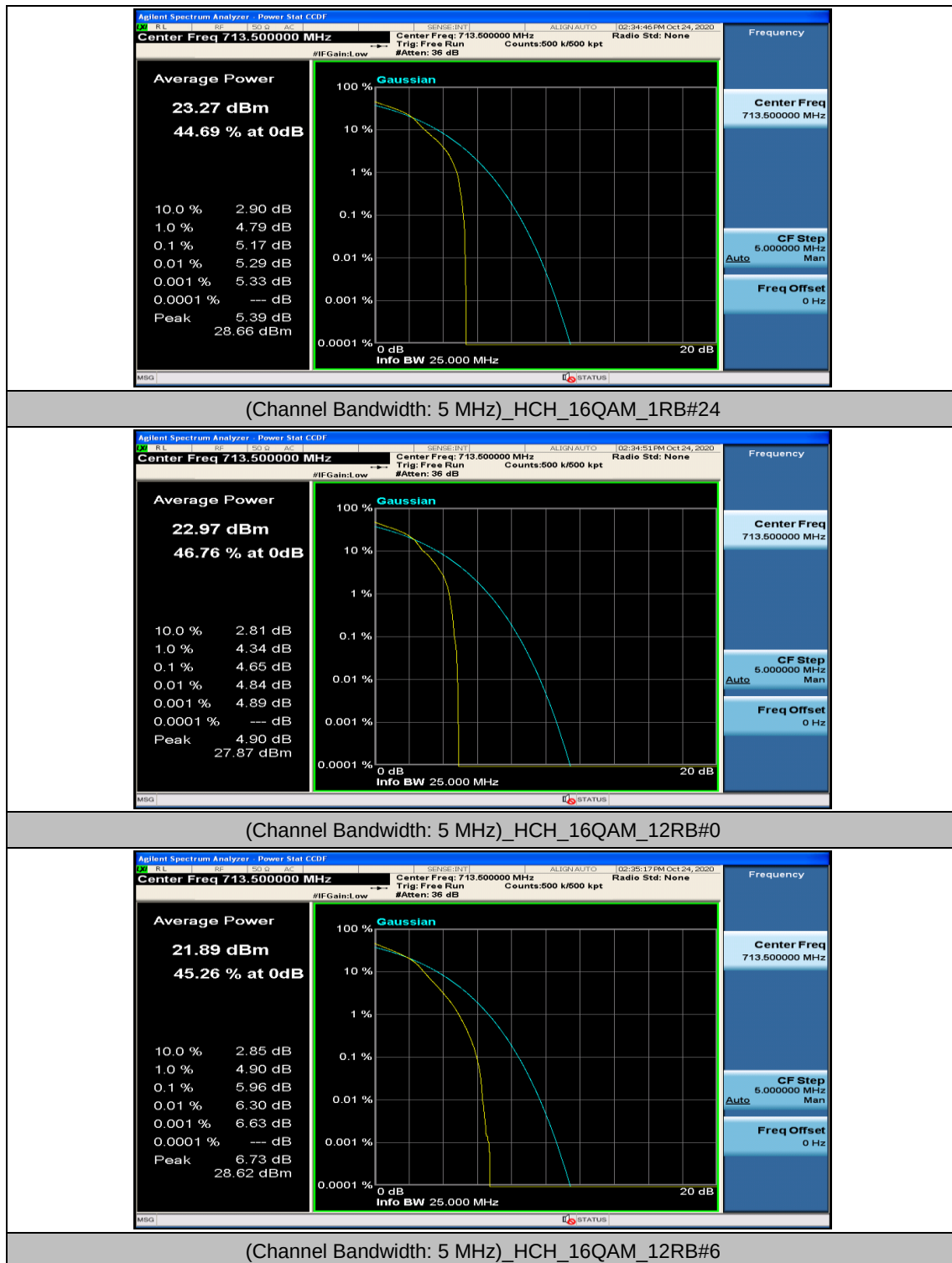
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

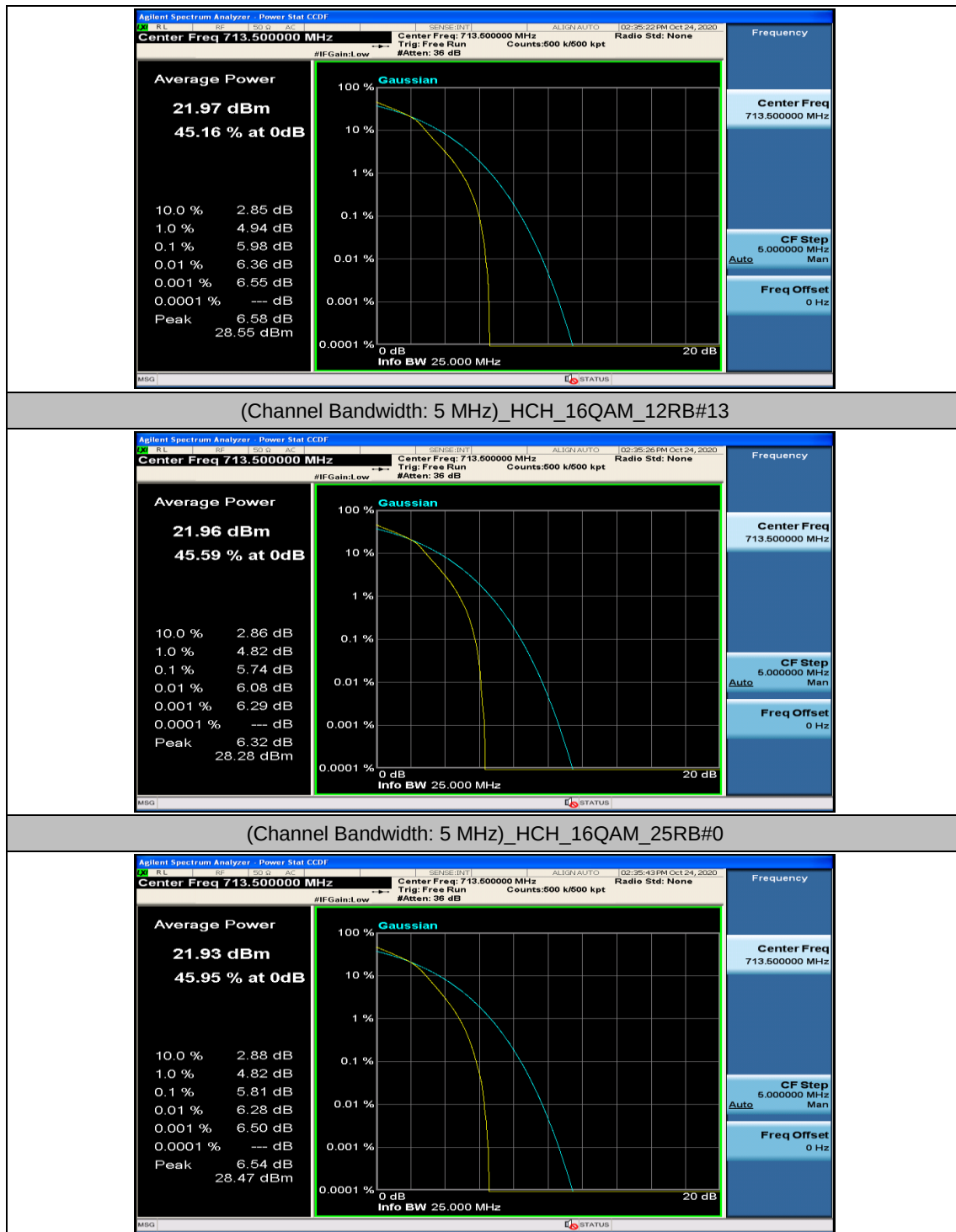


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

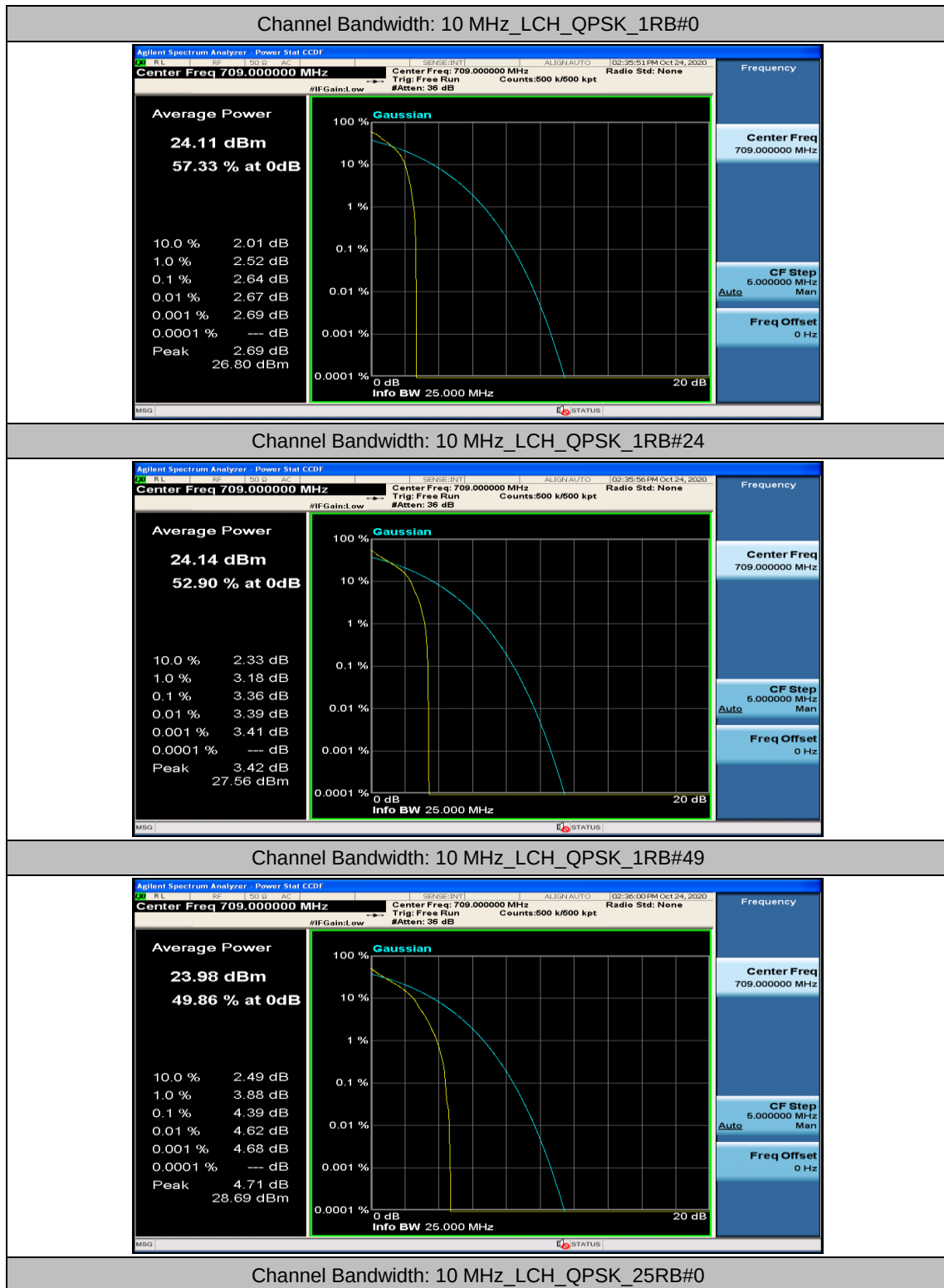


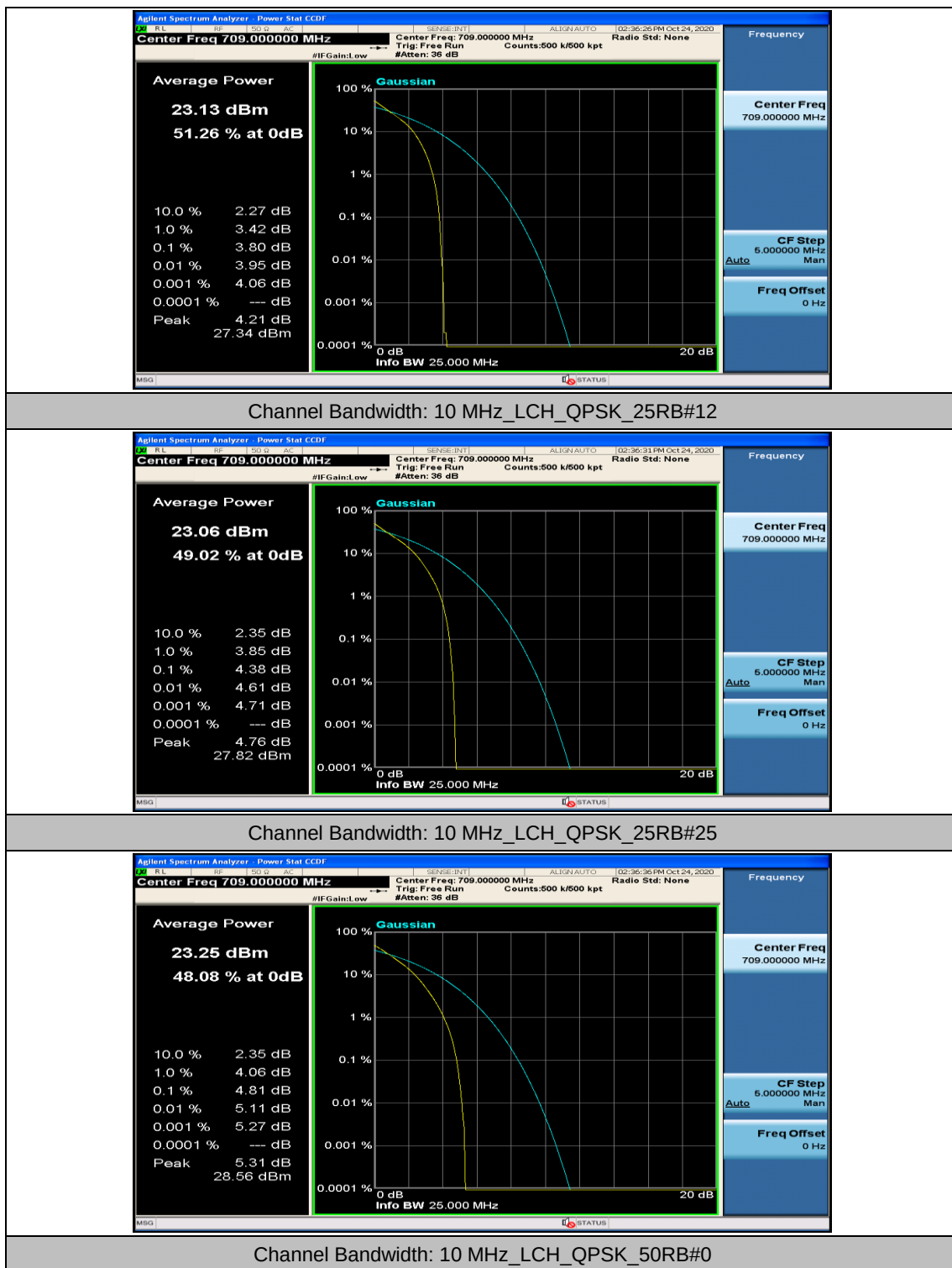
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

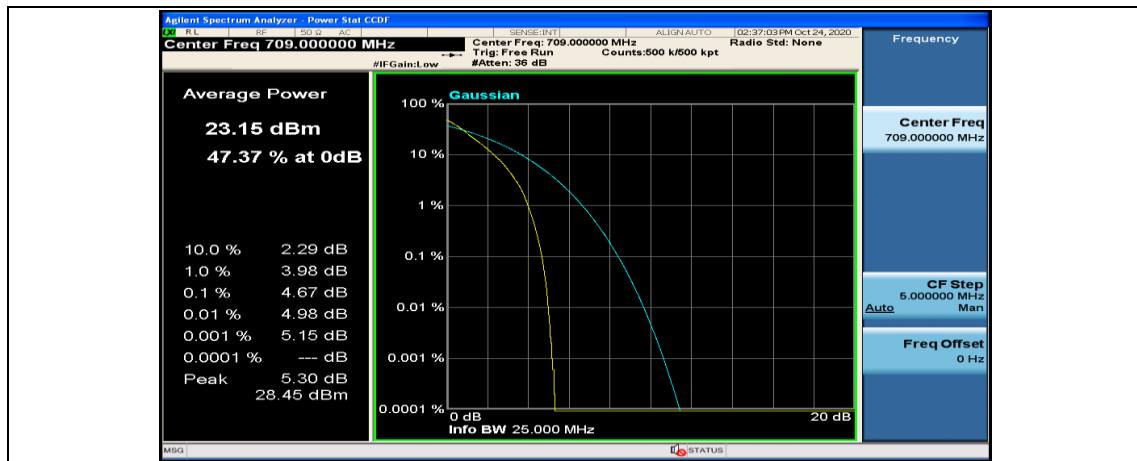




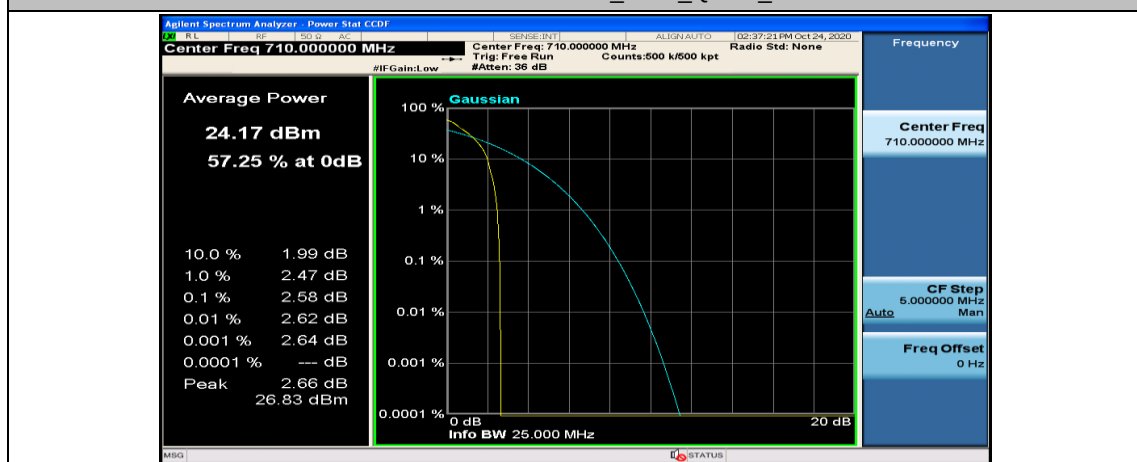
Channel Bandwidth: 10 MHz



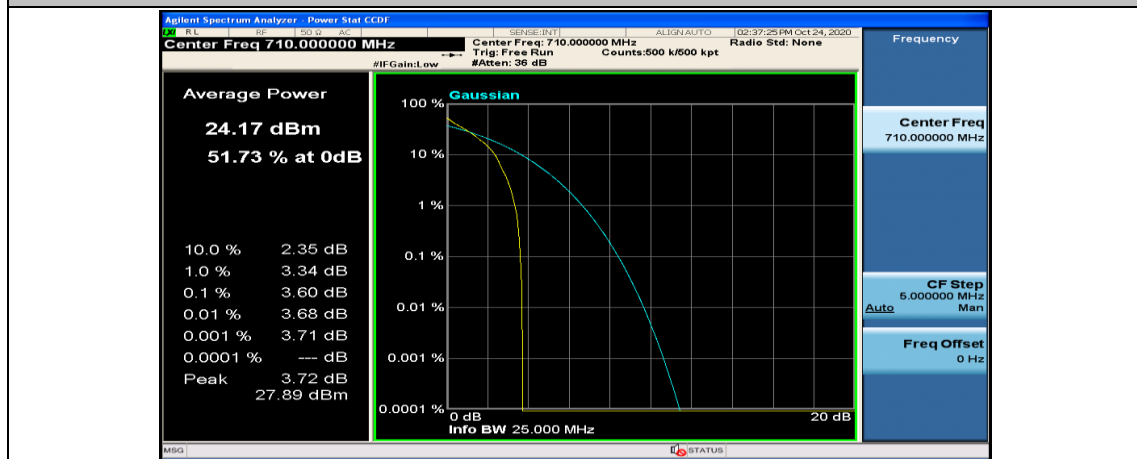




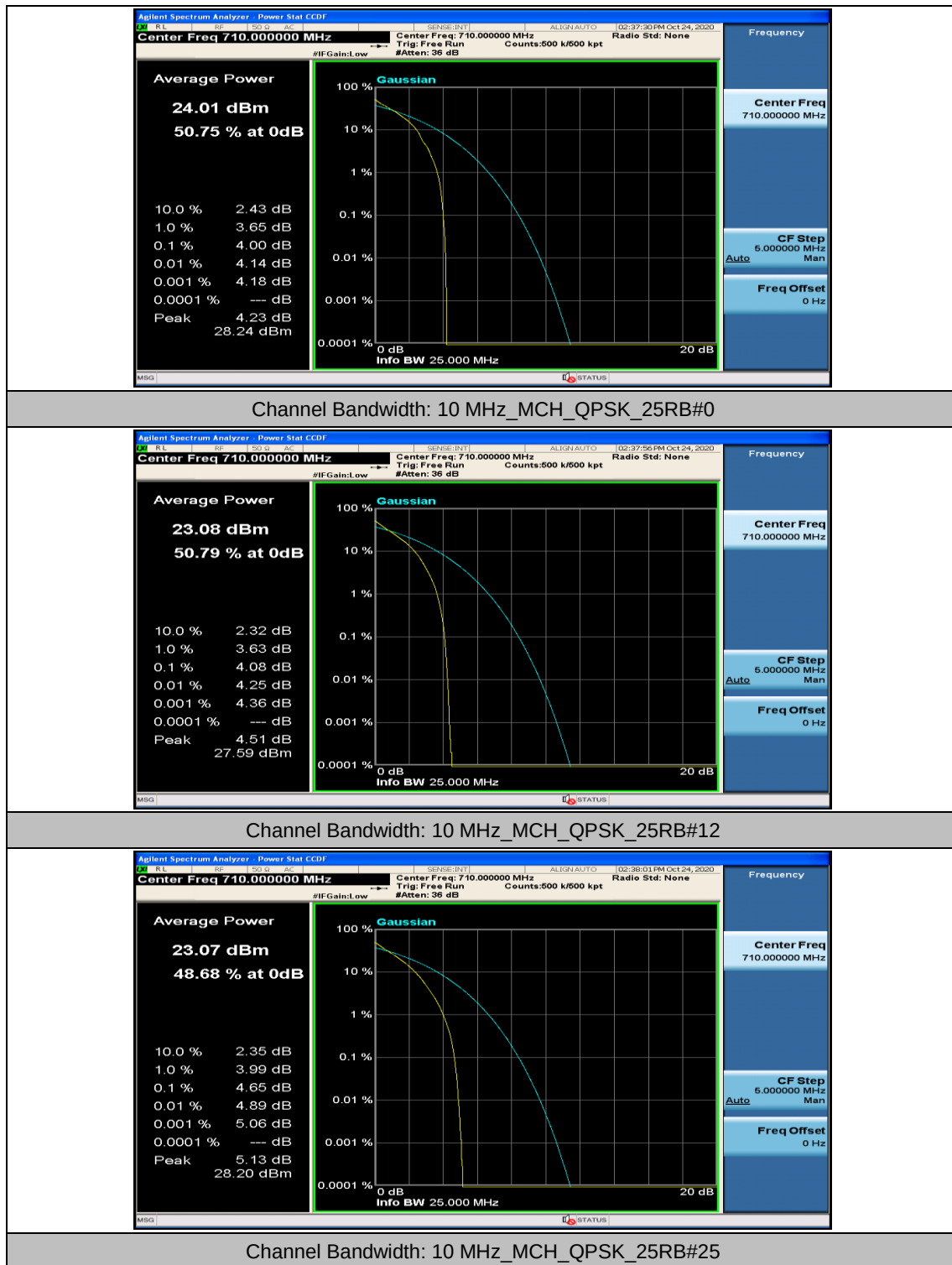
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

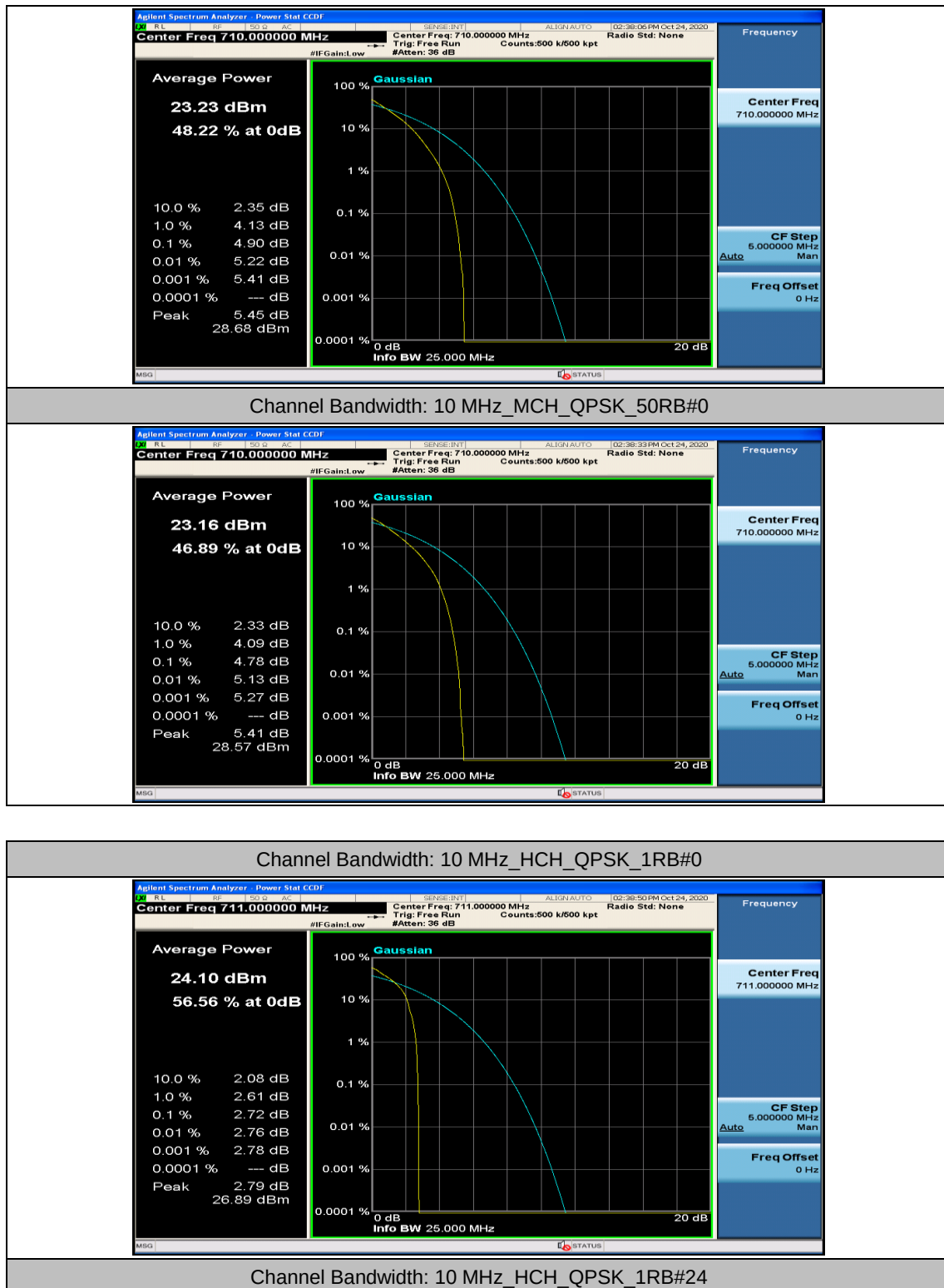


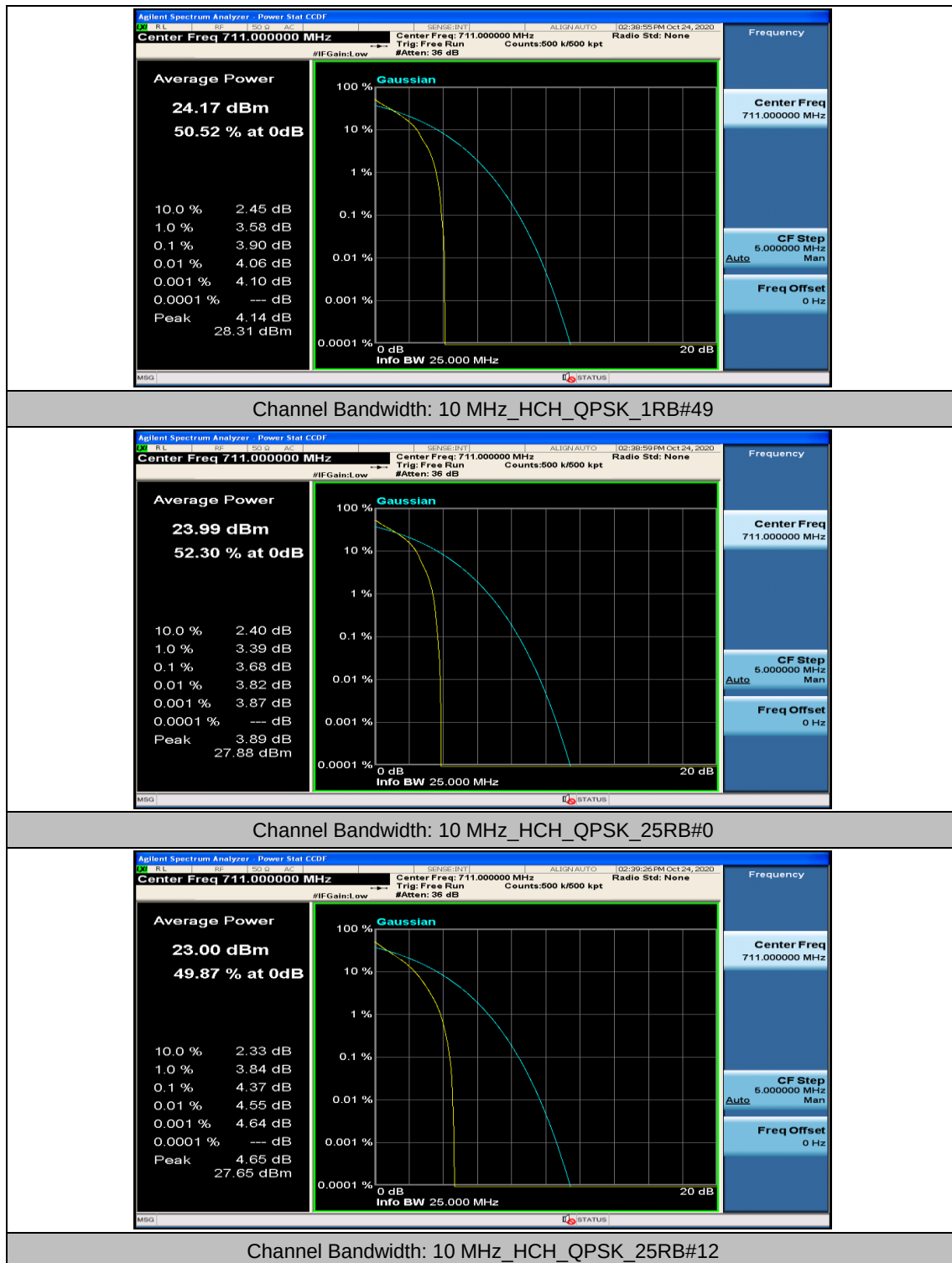
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

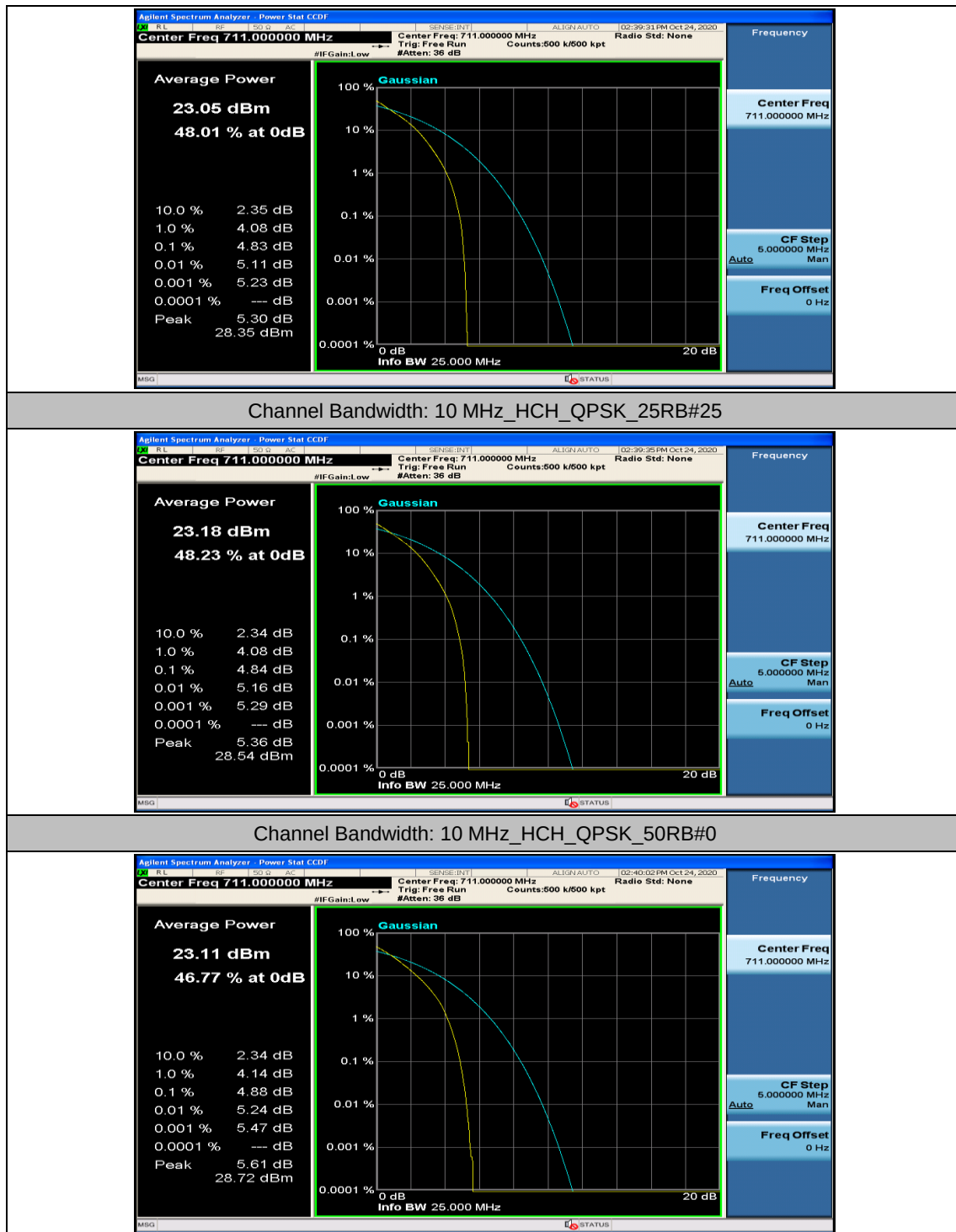


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

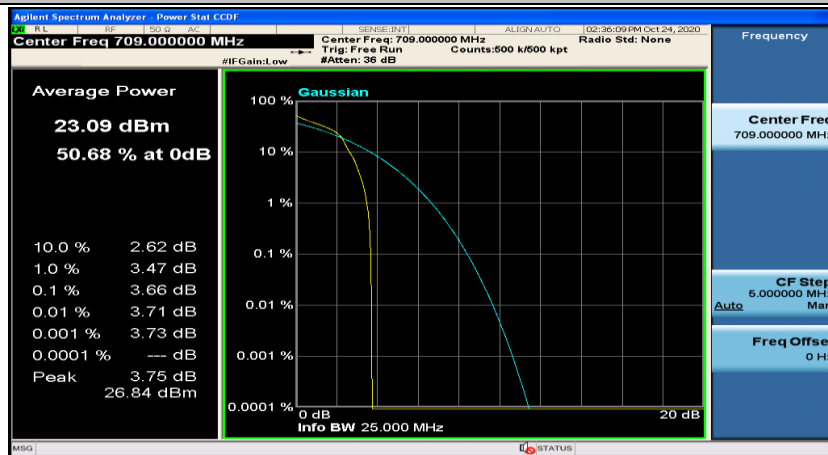




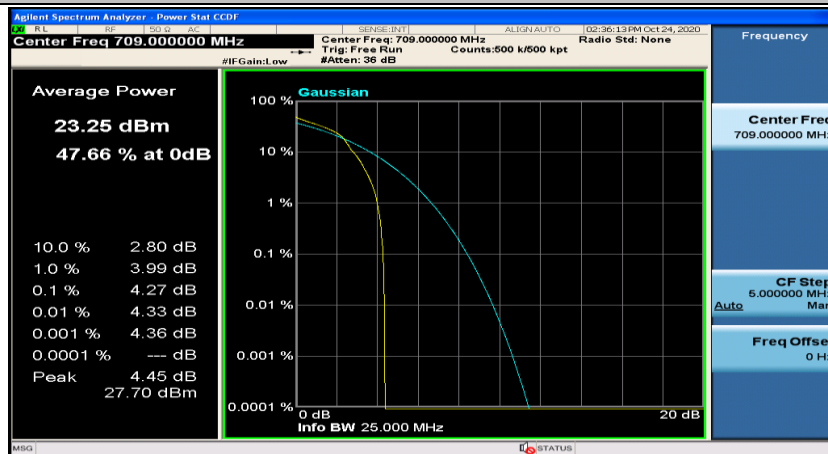




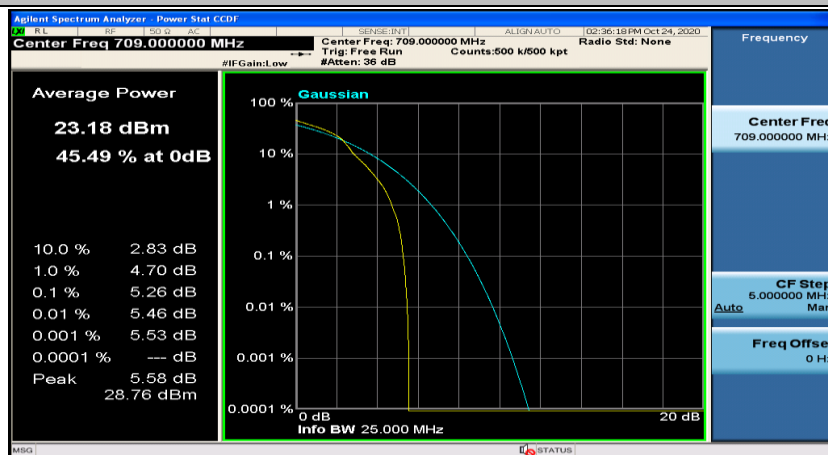
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



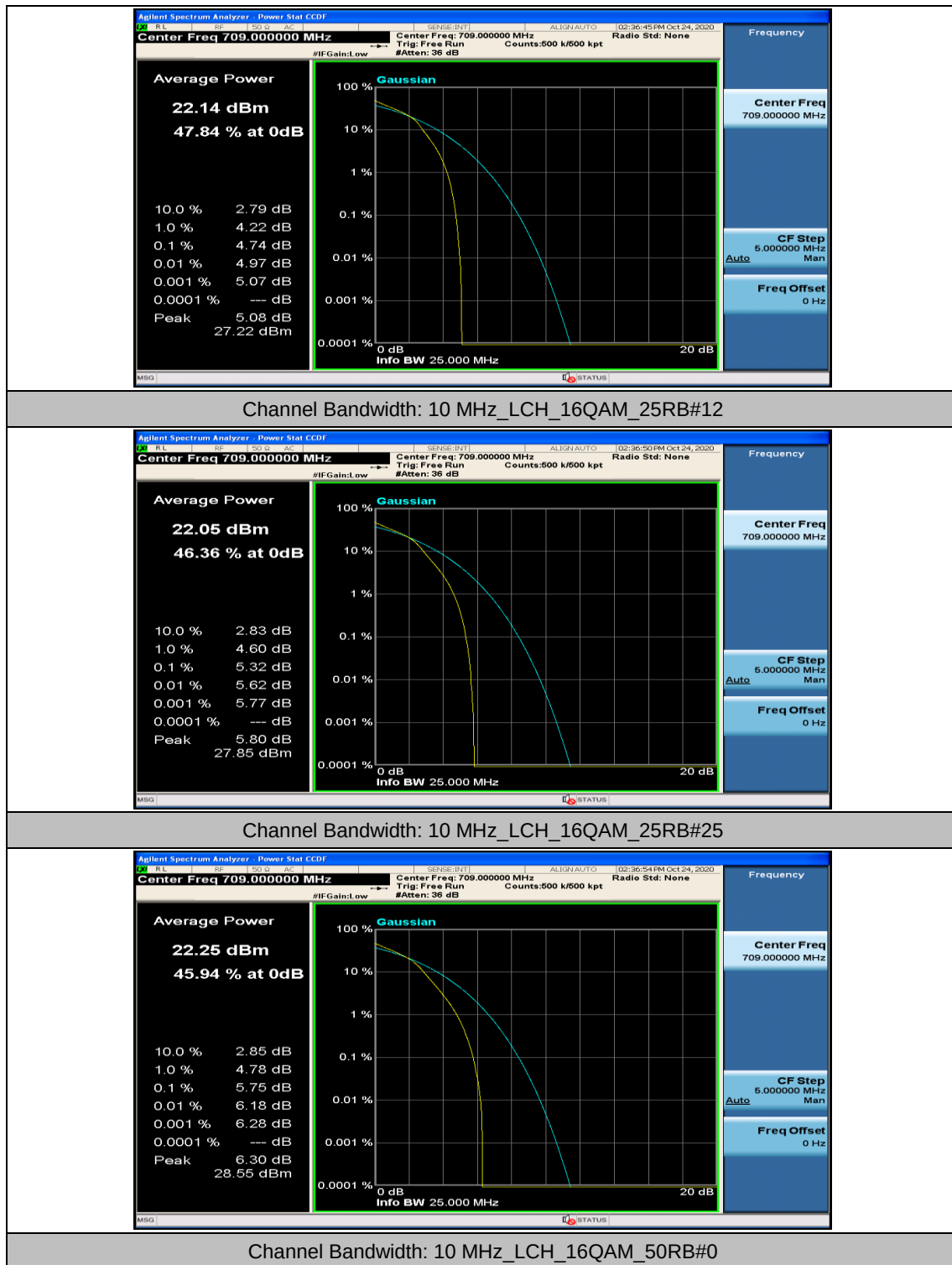
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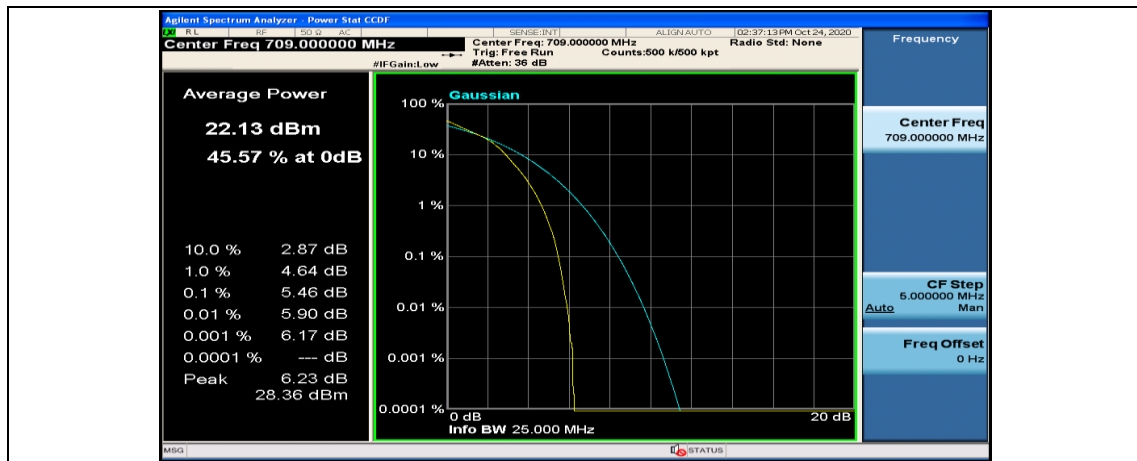


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

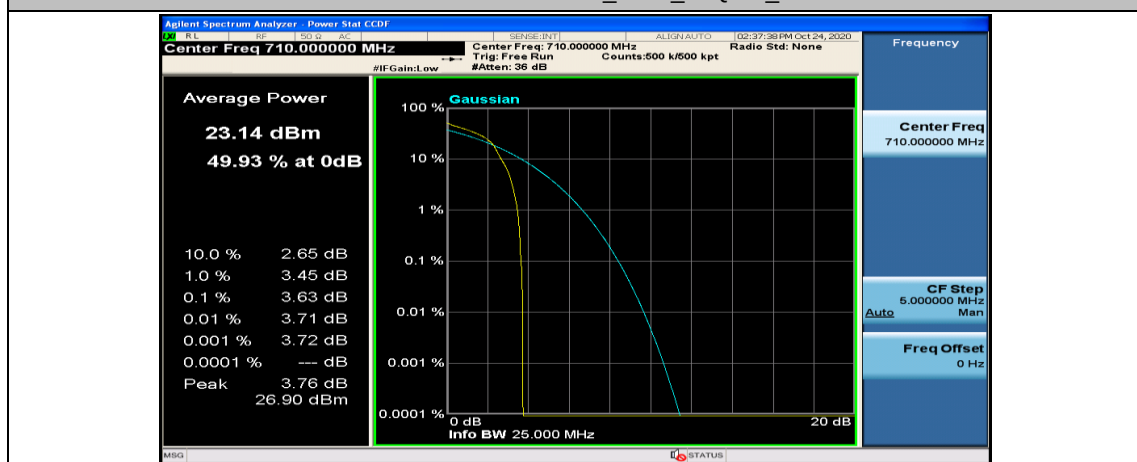


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

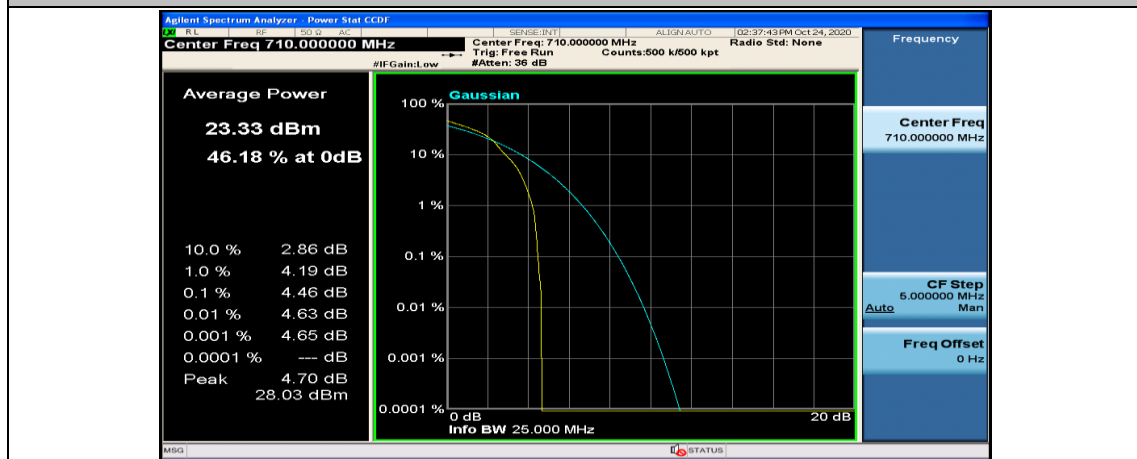




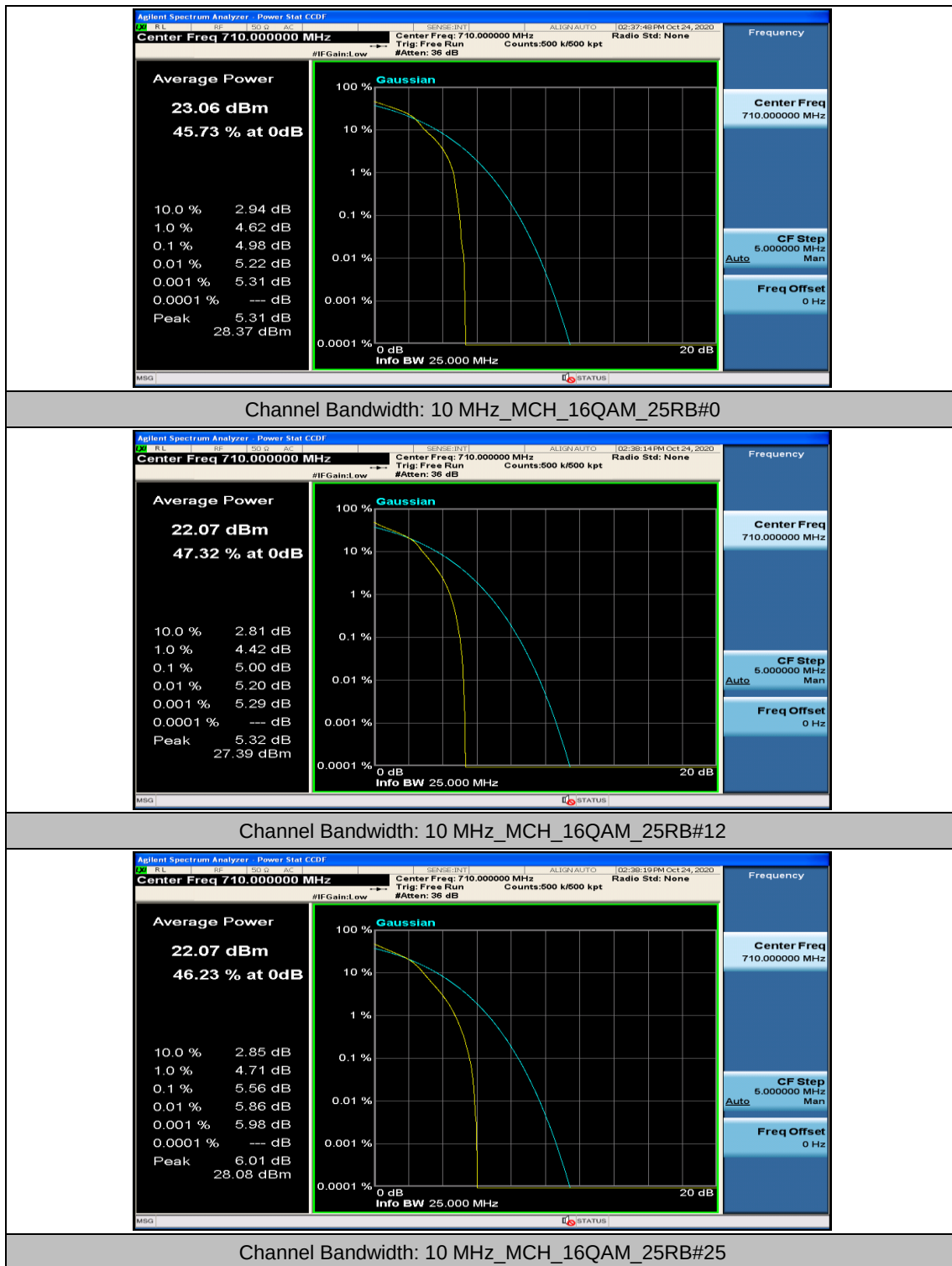
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

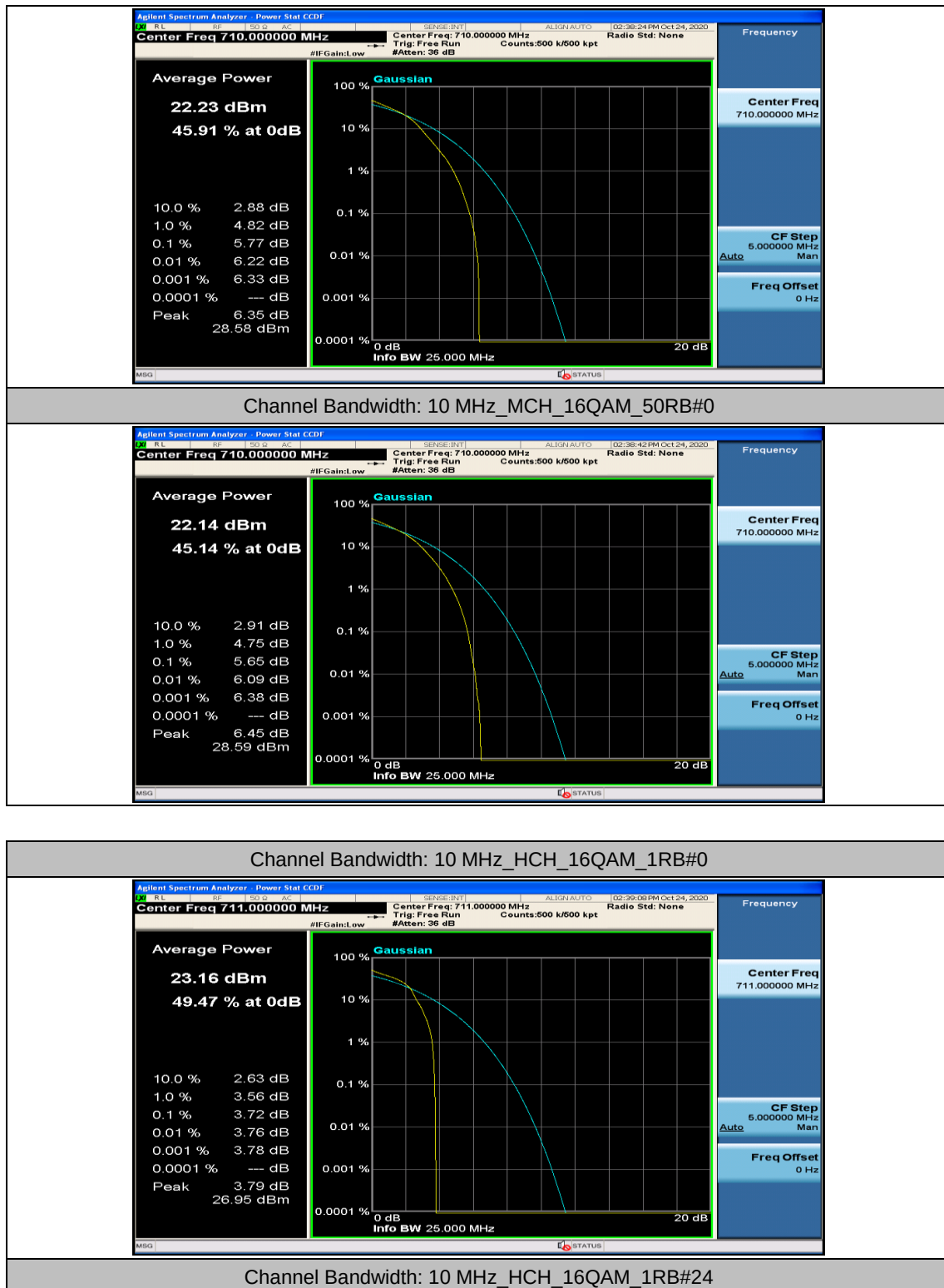


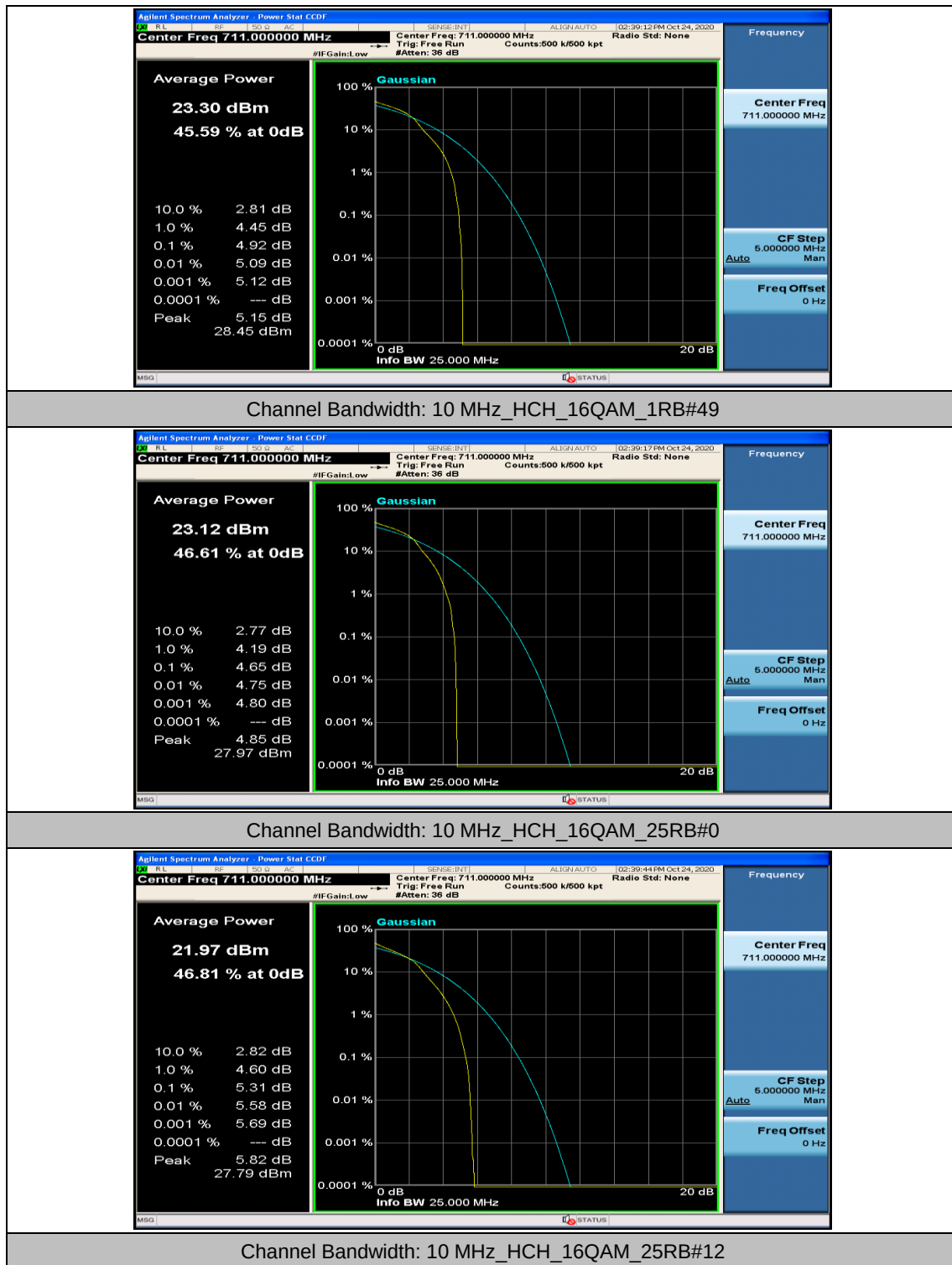
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

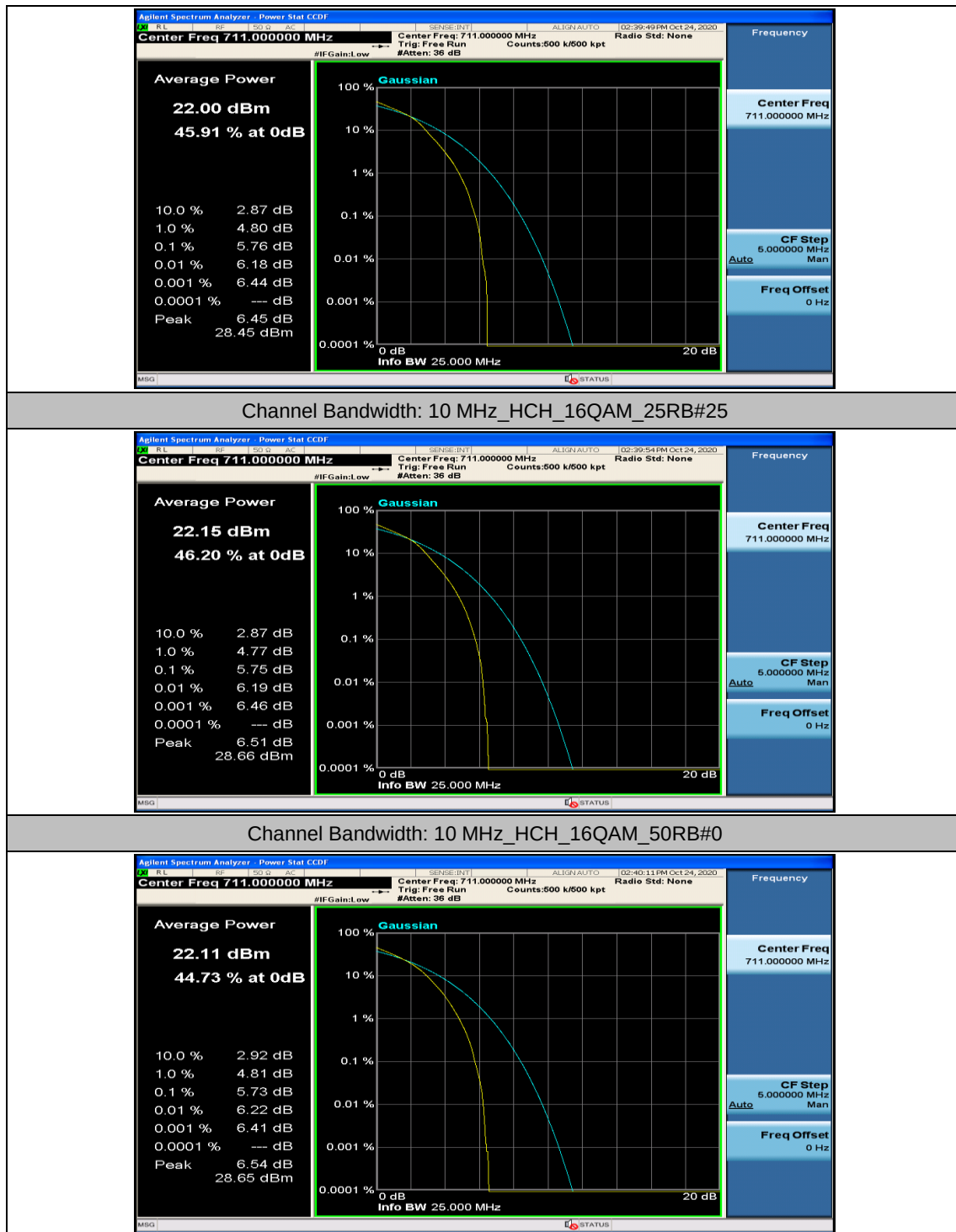


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









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	25	0	4.4797	4.850	PASS
	MCH	25	0	4.4761	4.844	PASS
	HCH	25	0	4.4705	4.875	PASS
16QAM	LCH	25	0	4.4832	4.805	PASS
	MCH	25	0	4.4732	4.821	PASS
	HCH	25	0	4.4833	4.802	PASS

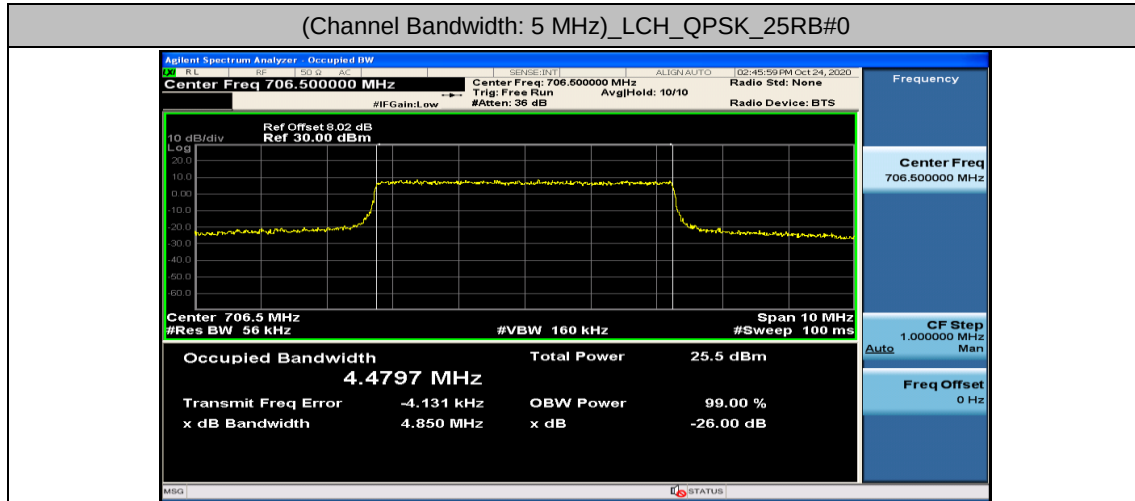
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9638	9.654	PASS
	MCH	50	0	8.9671	9.559	PASS
	HCH	50	0	8.9430	9.516	PASS
16QAM	LCH	50	0	8.9656	9.659	PASS
	MCH	50	0	8.9600	9.665	PASS
	HCH	50	0	8.9323	9.476	PASS

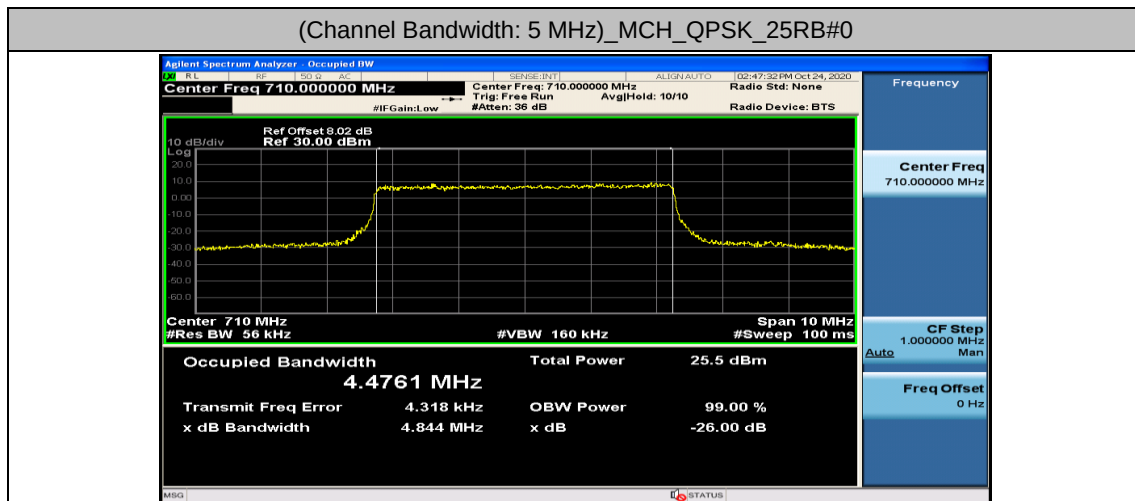
Test Graphs

Channel Bandwidth: 5 MHz

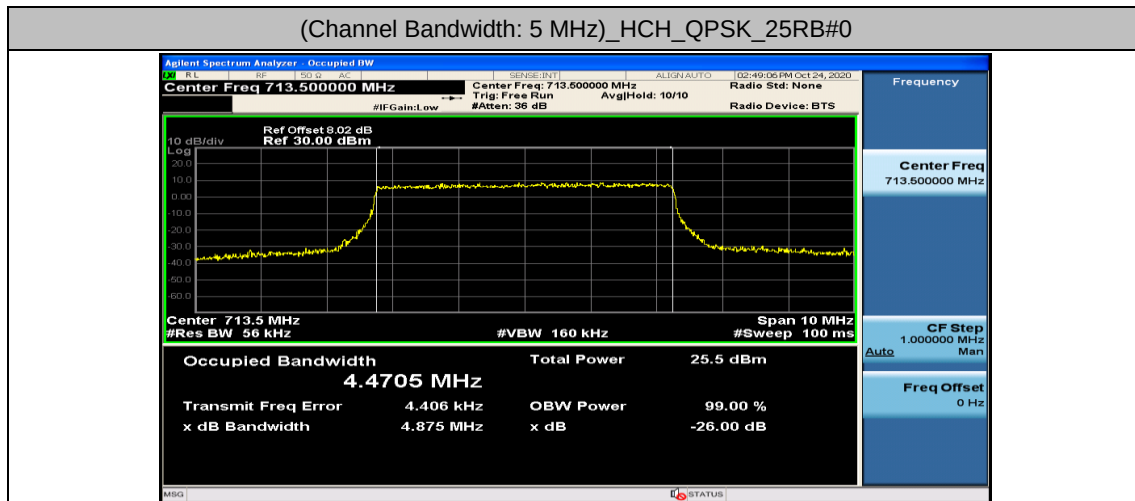
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



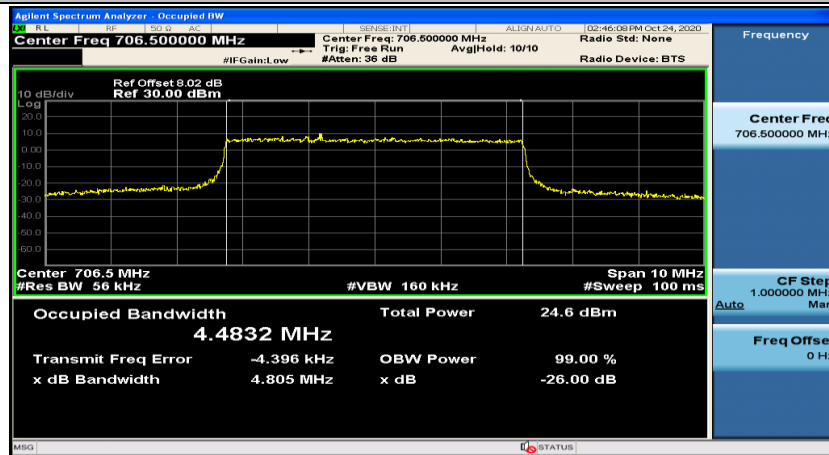
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



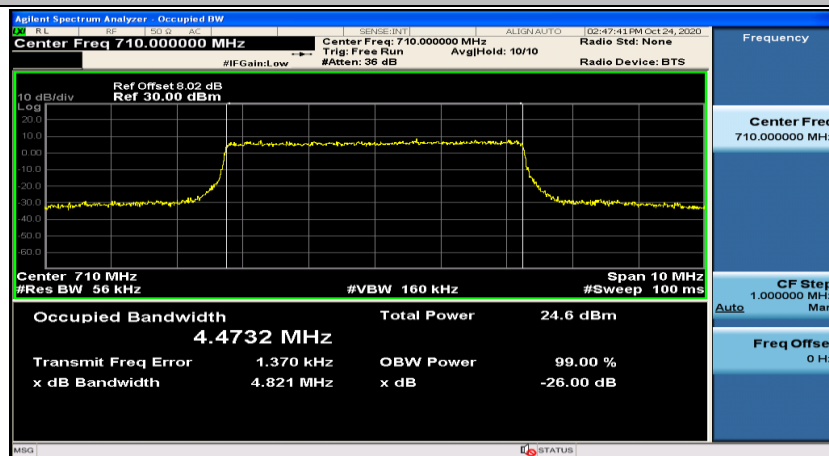
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

