

Appendix for Band 7

Product Name: SmartPhone

Test Model: WNEXT

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	24.25	PASS
		1	12	24.15	PASS
		1	24	24.03	PASS
		12	0	23.23	PASS
		12	6	23.2	PASS
		12	13	23.13	PASS
		25	0	23.12	PASS
	MCH	1	0	23.98	PASS
		1	12	24.05	PASS
		1	24	24.05	PASS
		12	0	23.04	PASS
		12	6	23.07	PASS
		12	13	23.09	PASS
		25	0	23.03	PASS
	HCH	1	0	23.19	PASS
		1	12	22.91	PASS
		1	24	22.66	PASS
		12	0	22.54	PASS
		12	6	22.55	PASS
		12	13	22.88	PASS
		25	0	21.89	PASS
16QAM	LCH	1	0	23.33	PASS
		1	12	23.31	PASS
		1	24	23.2	PASS
		12	0	22.26	PASS
		12	6	22.23	PASS
		12	13	22.18	PASS
		25	0	22.15	PASS

	MCH	1	0	23.14	PASS
		1	12	23.27	PASS
		1	24	23.27	PASS
		12	0	22.19	PASS
		12	6	22.22	PASS
		12	13	22.25	PASS
		25	0	22.09	PASS
	HCH	1	0	22.17	PASS
		1	12	22	PASS
		1	24	21.83	PASS
		12	0	21.65	PASS
		12	6	21.66	PASS
		12	13	21.69	PASS
		25	0	20.94	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.16	PASS
		1	24	23.98	PASS
		1	49	23.82	PASS
		25	0	23.17	PASS
		25	12	23.08	PASS
		25	25	22.99	PASS
		50	0	23.08	PASS
	MCH	1	0	23.89	PASS
		1	24	24.01	PASS
		1	49	24.09	PASS
		25	0	22.98	PASS
		25	12	23.04	PASS
		25	25	23.11	PASS
		50	0	23.05	PASS
	HCH	1	0	23.41	PASS
		1	24	23.15	PASS
		1	49	22.68	PASS
		25	0	22.25	PASS
		25	12	22.11	PASS
		25	25	21.94	PASS
		50	0	22.10	PASS
16QAM	LCH	1	0	23.30	PASS
		1	24	23.20	PASS

		1	49	22.97	PASS
		25	0	22.19	PASS
		25	12	22.08	PASS
		25	25	22.02	PASS
		50	0	22.10	PASS
	MCH	1	0	23.18	PASS
		1	24	23.39	PASS
		1	49	23.45	PASS
		25	0	22.04	PASS
		25	12	22.11	PASS
		25	25	22.18	PASS
		50	0	22.14	PASS
	HCH	1	0	22.45	PASS
		1	24	22.12	PASS
		1	49	21.84	PASS
		25	0	21.18	PASS
		25	12	21.09	PASS
		25	25	20.95	PASS
		50	0	21.13	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.15	PASS
		1	37	23.86	PASS
		1	74	23.67	PASS
		37	0	23.19	PASS
		37	18	23.07	PASS
		37	38	22.96	PASS
		75	0	23.11	PASS
	MCH	1	0	23.91	PASS
		1	37	24.03	PASS
		1	74	24.17	PASS
		37	0	23.05	PASS
		37	18	23.13	PASS
		37	38	23.22	PASS
		75	0	23.17	PASS
	HCH	1	0	23.08	PASS
		1	37	23.43	PASS
		1	74	22.72	PASS
		37	0	22.91	PASS

		37	18	22.65	PASS
		37	38	22.25	PASS
		75	0	22.58	PASS
16QAM	LCH	1	0	23.29	PASS
		1	37	23.04	PASS
		1	74	22.75	PASS
		37	0	22.13	PASS
		37	18	22.03	PASS
		37	38	21.87	PASS
		75	0	22.05	PASS
	MCH	1	0	23.00	PASS
		1	37	23.30	PASS
		1	74	23.36	PASS
		37	0	22.06	PASS
		37	18	22.15	PASS
		37	38	22.24	PASS
		75	0	22.15	PASS
	HCH	1	0	22.81	PASS
		1	37	22.32	PASS
		1	74	21.85	PASS
		37	0	21.67	PASS
		37	18	21.44	PASS
		37	38	21.16	PASS
		75	0	21.45	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.31	PASS
		1	49	23.94	PASS
		1	99	23.86	PASS
		50	0	23.06	PASS
		50	25	22.88	PASS
		50	50	22.75	PASS
		100	0	22.89	PASS
	MCH	1	0	24.03	PASS
		1	49	24.16	PASS
		1	99	24.29	PASS
		50	0	22.99	PASS
		50	25	23.09	PASS
		50	50	23.18	PASS

	HCH	100	0	23.07	PASS
		1	0	24.15	PASS
		1	49	23.71	PASS
		1	99	22.70	PASS
		50	0	22.78	PASS
		50	25	22.46	PASS
		50	50	22.20	PASS
		100	0	22.49	PASS
16QAM	LCH	1	0	23.30	PASS
		1	49	23.00	PASS
		1	99	22.75	PASS
		50	0	22.05	PASS
		50	25	21.89	PASS
		50	50	21.72	PASS
		100	0	21.89	PASS
	MCH	1	0	23.07	PASS
		1	49	23.45	PASS
		1	99	23.49	PASS
		50	0	22.07	PASS
		50	25	22.21	PASS
		50	50	22.26	PASS
		100	0	22.12	PASS
	HCH	1	0	23.05	PASS
		1	49	22.49	PASS
		1	99	21.92	PASS
		50	0	21.72	PASS
		50	25	21.41	PASS
		50	50	21.19	PASS
		100	0	21.46	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	2.97	<13	PASS
		1	12	3.47	<13	PASS
		1	24	3.51	<13	PASS
		12	0	4.32	<13	PASS
		12	6	4.44	<13	PASS
		12	13	4.56	<13	PASS
		25	0	4.54	<13	PASS
	MCH	1	0	2.98	<13	PASS
		1	12	3.4	<13	PASS
		1	24	3.67	<13	PASS
		12	0	4.21	<13	PASS
		12	6	4.21	<13	PASS
		12	13	4.73	<13	PASS
		25	0	4.54	<13	PASS
	HCH	1	0	2.55	<13	PASS
		1	12	3.06	<13	PASS
		1	24	3.08	<13	PASS
		12	0	3.96	<13	PASS
		12	6	4.13	<13	PASS
		12	13	4.24	<13	PASS
		25	0	4.22	<13	PASS
16QAM	LCH	1	0	3.94	<13	PASS
		1	12	4.22	<13	PASS
		1	24	4.38	<13	PASS
		12	0	5.2	<13	PASS
		12	6	5.45	<13	PASS
		12	13	5.45	<13	PASS
		25	0	5.39	<13	PASS
	MCH	1	0	4.11	<13	PASS
		1	12	4.25	<13	PASS
		1	24	4.72	<13	PASS

		12	0	5.08	<13	PASS
		12	6	5.29	<13	PASS
		12	13	5.46	<13	PASS
		25	0	5.44	<13	PASS
	HCH	1	0	3.43	<13	PASS
		1	12	3.88	<13	PASS
		1	24	3.99	<13	PASS
		12	0	4.8	<13	PASS
		12	6	5.25	<13	PASS
		12	13	5.39	<13	PASS
		25	0	5.34	<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	3.01	<13	PASS
		1	24	3.38	<13	PASS
		1	49	3.15	<13	PASS
		25	0	4.5	<13	PASS
		25	12	4.64	<13	PASS
		25	25	4.55	<13	PASS
		50	0	4.64	<13	PASS
	MCH	1	0	2.48	<13	PASS
		1	24	3.22	<13	PASS
		1	49	3.58	<13	PASS
		25	0	4.16	<13	PASS
		25	12	4.51	<13	PASS
		25	25	4.75	<13	PASS
		50	0	4.57	<13	PASS
	HCH	1	0	1.72	<13	PASS
		1	24	2.45	<13	PASS
		1	49	2.96	<13	PASS
		25	0	3.36	<13	PASS
		25	12	3.73	<13	PASS
		25	25	4.13	<13	PASS
		50	0	3.88	<13	PASS
16QAM	LCH	1	0	4	<13	PASS
		1	24	4.36	<13	PASS
		1	49	4.16	<13	PASS
		25	0	5.33	<13	PASS

		25	12	5.53	<13	PASS
		25	25	5.49	<13	PASS
		50	0	5.51	<13	PASS
	MCH	1	0	3.89	<13	PASS
		1	24	4.13	<13	PASS
		1	49	4.72	<13	PASS
		25	0	5.09	<13	PASS
		25	12	5.4	<13	PASS
		25	25	5.66	<13	PASS
		50	0	5.44	<13	PASS
	HCH	1	0	2.82	<13	PASS
		1	24	3.43	<13	PASS
		1	49	3.92	<13	PASS
		25	0	4.32	<13	PASS
		25	12	4.66	<13	PASS
		25	25	5.07	<13	PASS
		50	0	4.77	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.04	<13	PASS
		1	37	3.3	<13	PASS
		1	74	2.63	<13	PASS
		37	0	4.58	<13	PASS
		37	18	4.56	<13	PASS
		37	38	4.29	<13	PASS
		75	0	4.84	<13	PASS
	MCH	1	0	2.17	<13	PASS
		1	37	3.45	<13	PASS
		1	74	3.63	<13	PASS
		37	0	3.85	<13	PASS
		37	18	4.39	<13	PASS
		37	38	4.77	<13	PASS
		75	0	4.76	<13	PASS
	HCH	1	0	1.6	<13	PASS
		1	37	2.11	<13	PASS
		1	74	3.08	<13	PASS
		37	0	2.76	<13	PASS
		37	18	3.13	<13	PASS

16QAM		37	38	3.65	<13	PASS
		75	0	3.89	<13	PASS
	LCH	1	0	4.04	<13	PASS
		1	37	4.4	<13	PASS
		1	74	3.67	<13	PASS
		37	0	5.53	<13	PASS
		37	18	5.85	<13	PASS
		37	38	5.23	<13	PASS
		75	0	5.78	<13	PASS
	MCH	1	0	3.28	<13	PASS
		1	37	4.24	<13	PASS
		1	74	4.74	<13	PASS
		37	0	4.84	<13	PASS
		37	18	5.36	<13	PASS
		37	38	5.73	<13	PASS
		75	0	5.58	<13	PASS
	HCH	1	0	2.81	<13	PASS
		1	37	2.89	<13	PASS
		1	74	4.14	<13	PASS
		37	0	3.83	<13	PASS
		37	18	4.15	<13	PASS
		37	38	4.78	<13	PASS
		75	0	4.79	<13	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.04	<13	PASS
		1	49	3.16	<13	PASS
		1	99	1.97	<13	PASS
		50	0	4.77	<13	PASS
		50	25	4.49	<13	PASS
		50	50	4.14	<13	PASS
		100	0	4.84	<13	PASS
	MCH	1	0	1.87	<13	PASS
		1	49	3.3	<13	PASS
		1	99	3.29	<13	PASS
		50	0	4.3	<13	PASS
		50	25	4.7	<13	PASS
		50	50	4.96	<13	PASS

		100	0	4.86	<13	PASS
	HCH	1	0	2.1	<13	PASS
		1	49	1.77	<13	PASS
		1	99	3.19	<13	PASS
		50	0	3.42	<13	PASS
		50	25	3.21	<13	PASS
		50	50	3.88	<13	PASS
		100	0	4.28	<13	PASS
16QAM	LCH	1	0	3.98	<13	PASS
		1	49	4.05	<13	PASS
		1	99	2.86	<13	PASS
		50	0	5.63	<13	PASS
		50	25	5.56	<13	PASS
		50	50	5.2	<13	PASS
		100	0	5.73	<13	PASS
	MCH	1	0	3.06	<13	PASS
		1	49	4.38	<13	PASS
		1	99	4.26	<13	PASS
		50	0	4.85	<13	PASS
		50	25	5.43	<13	PASS
		50	50	5.78	<13	PASS
		100	0	5.64	<13	PASS
	HCH	1	0	3.3	<13	PASS
		1	49	2.93	<13	PASS
		1	99	4.09	<13	PASS
		50	0	4.24	<13	PASS
		50	25	4.18	<13	PASS
		50	50	4.78	<13	PASS
		100	0	5.07	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



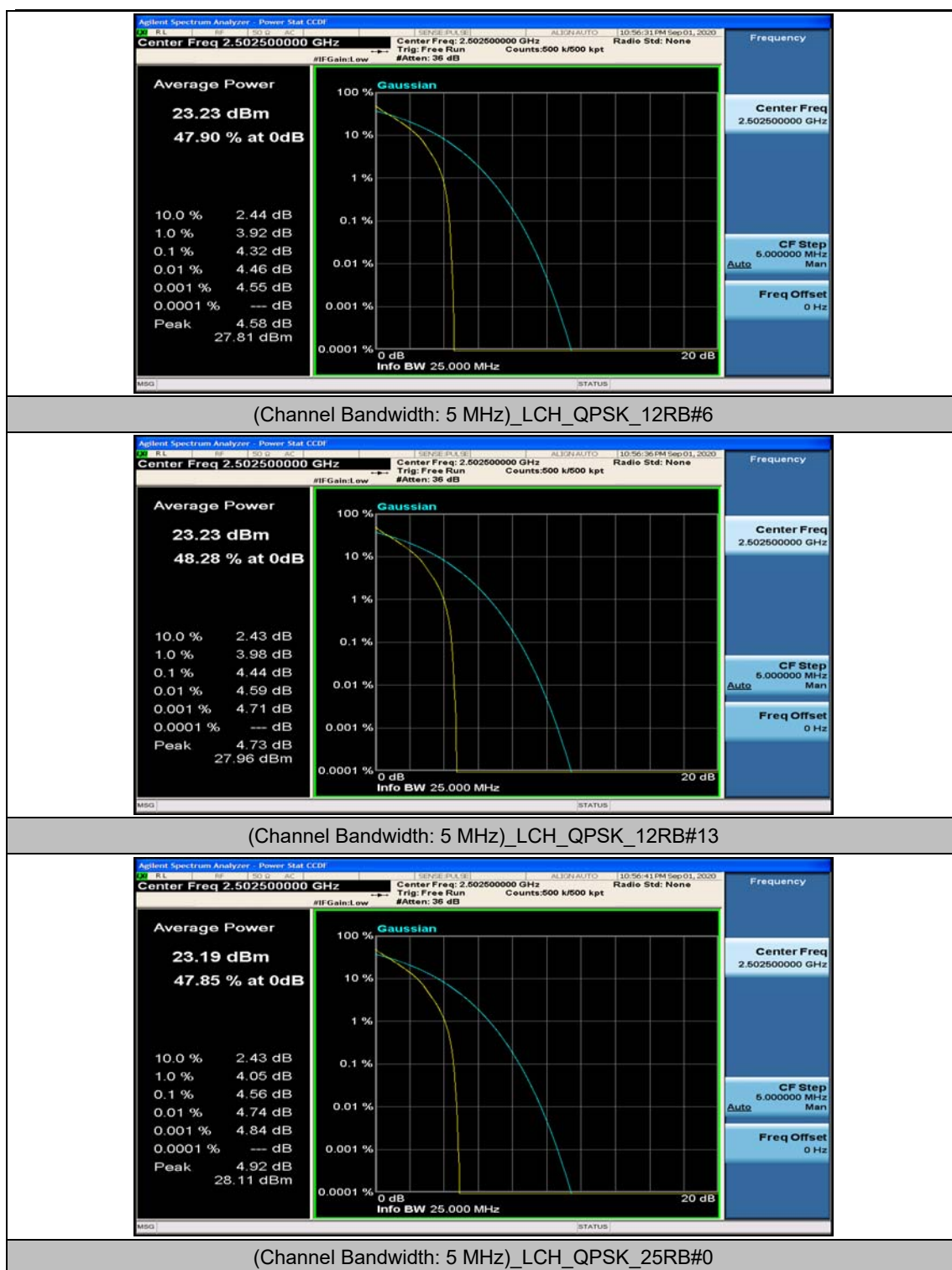
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

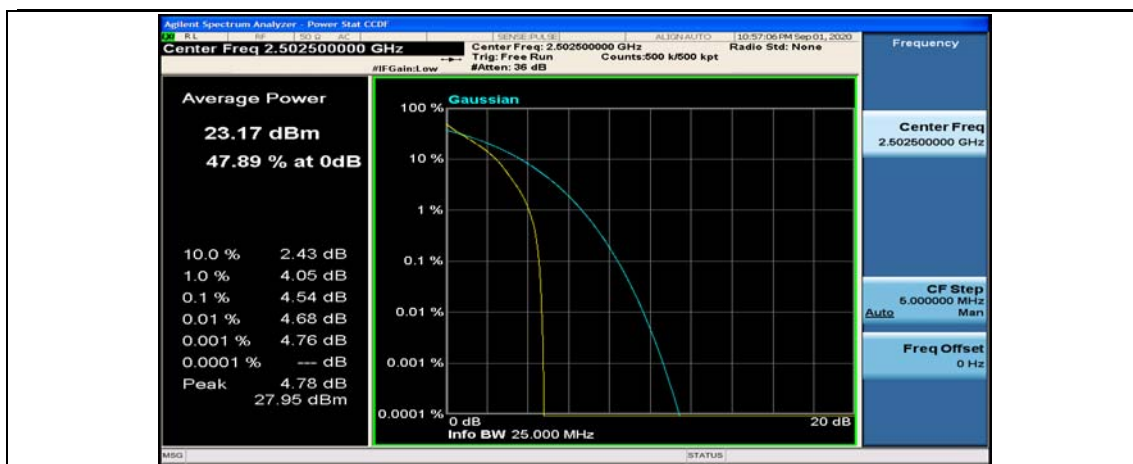


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

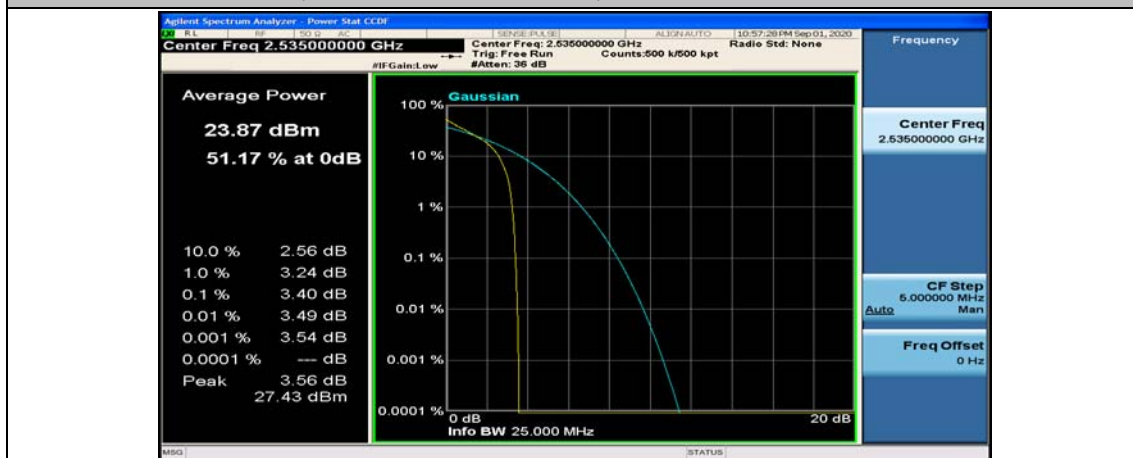




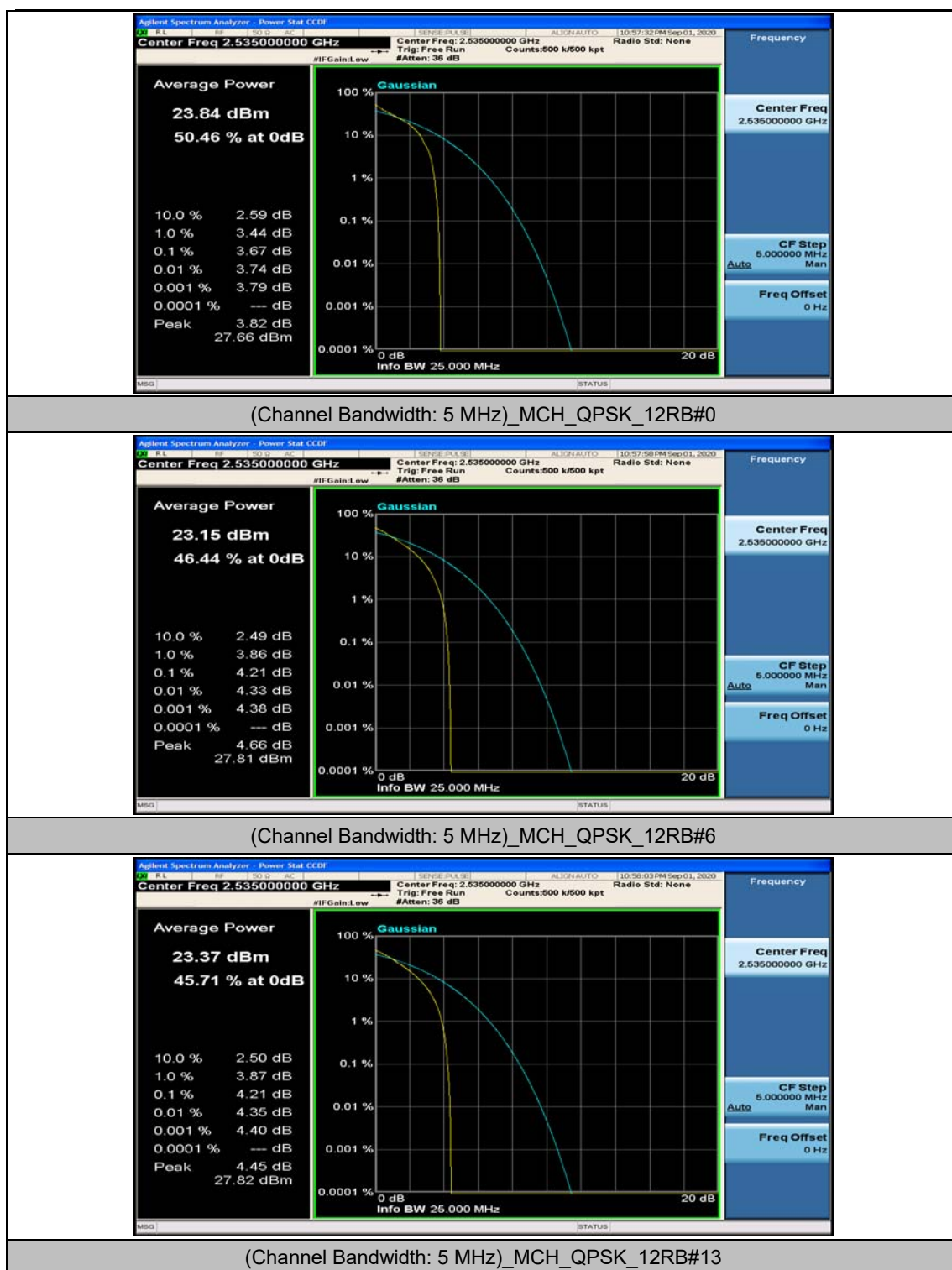
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

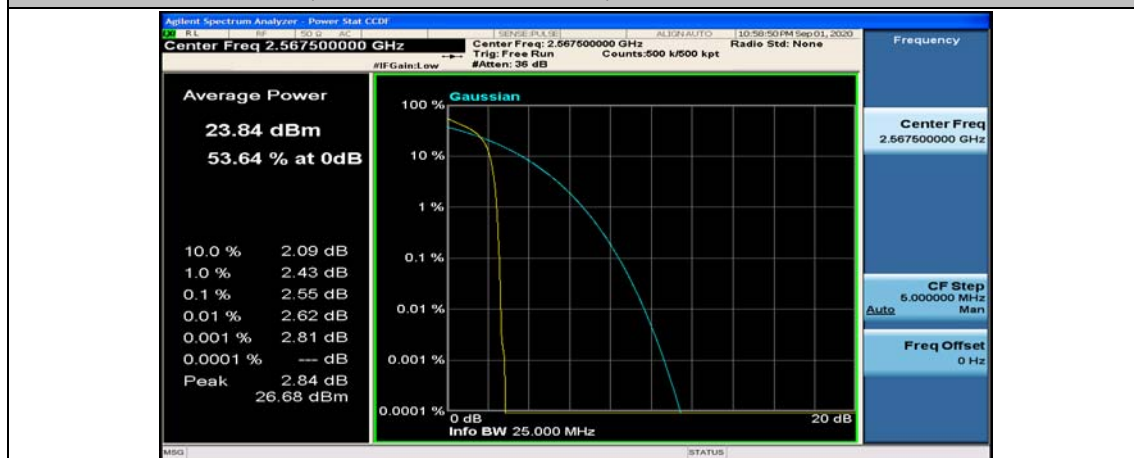




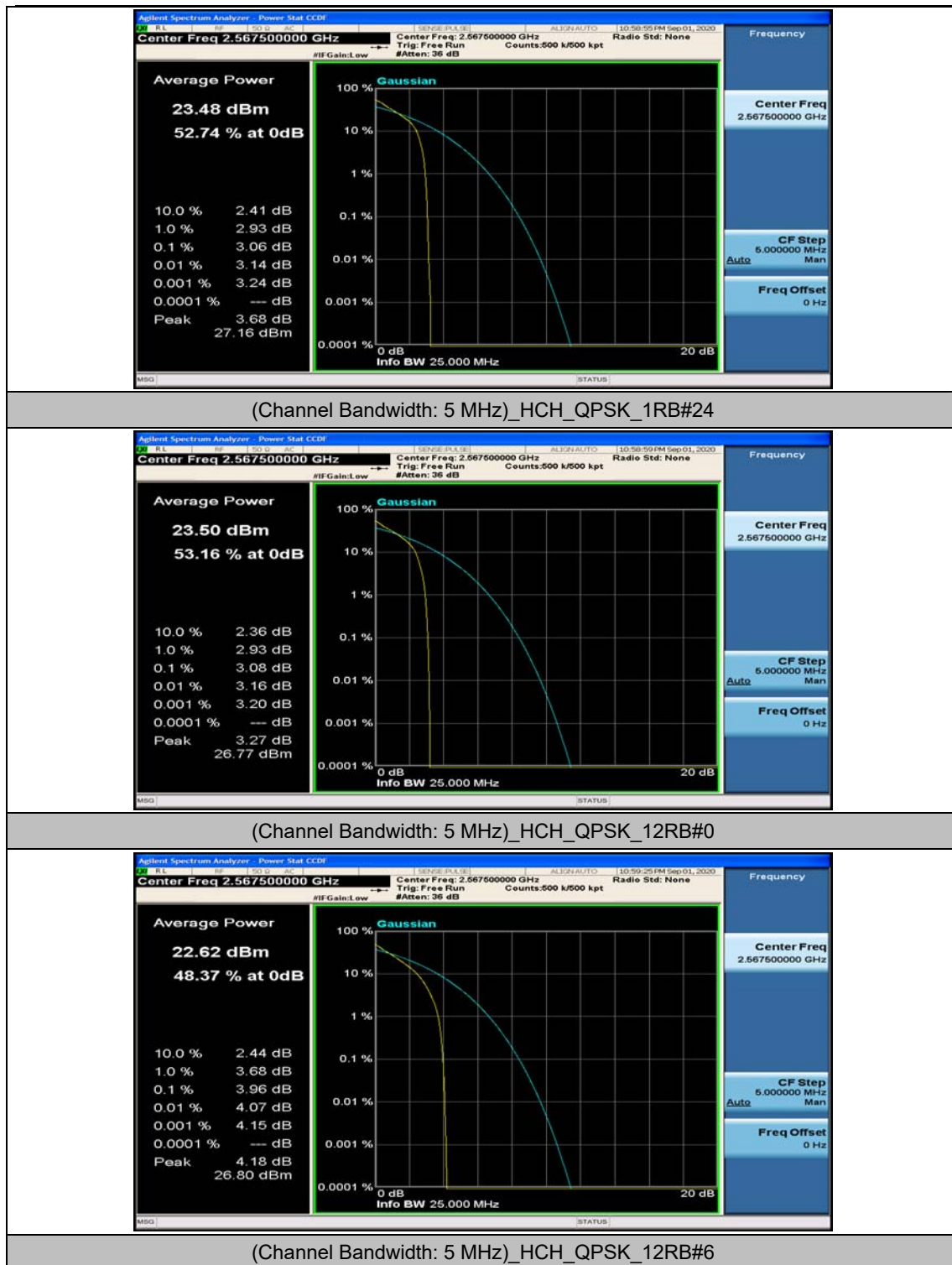
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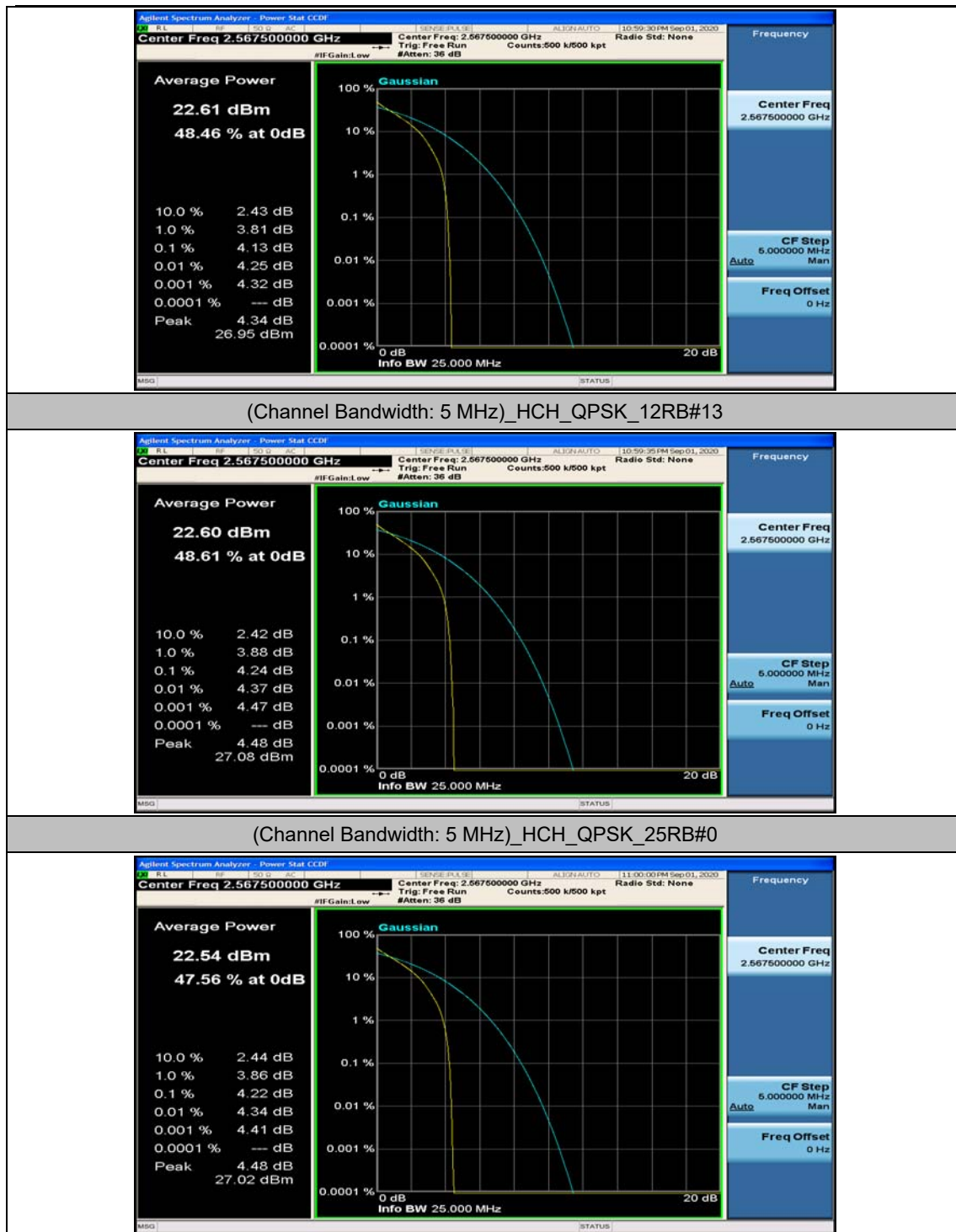


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

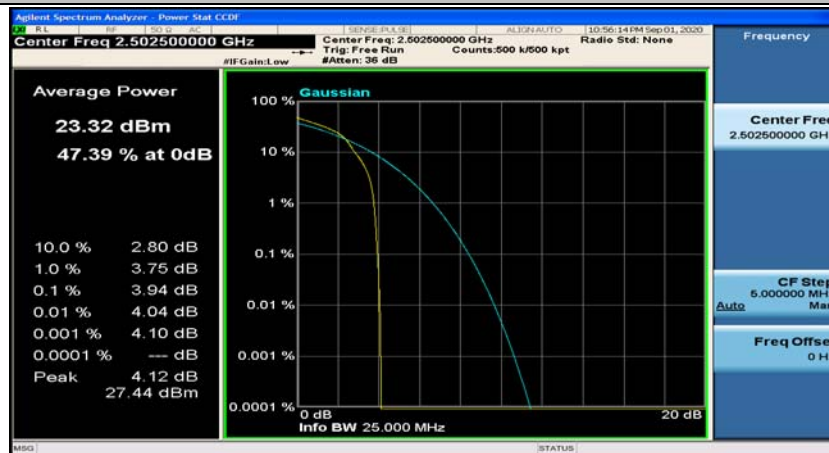


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12





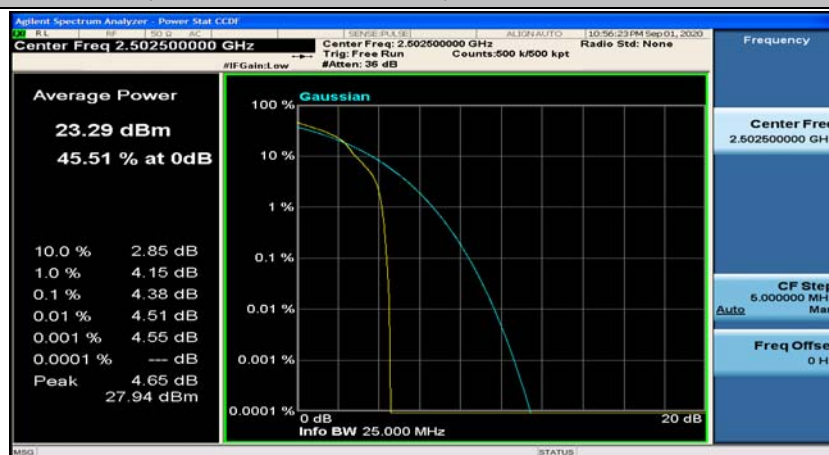
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



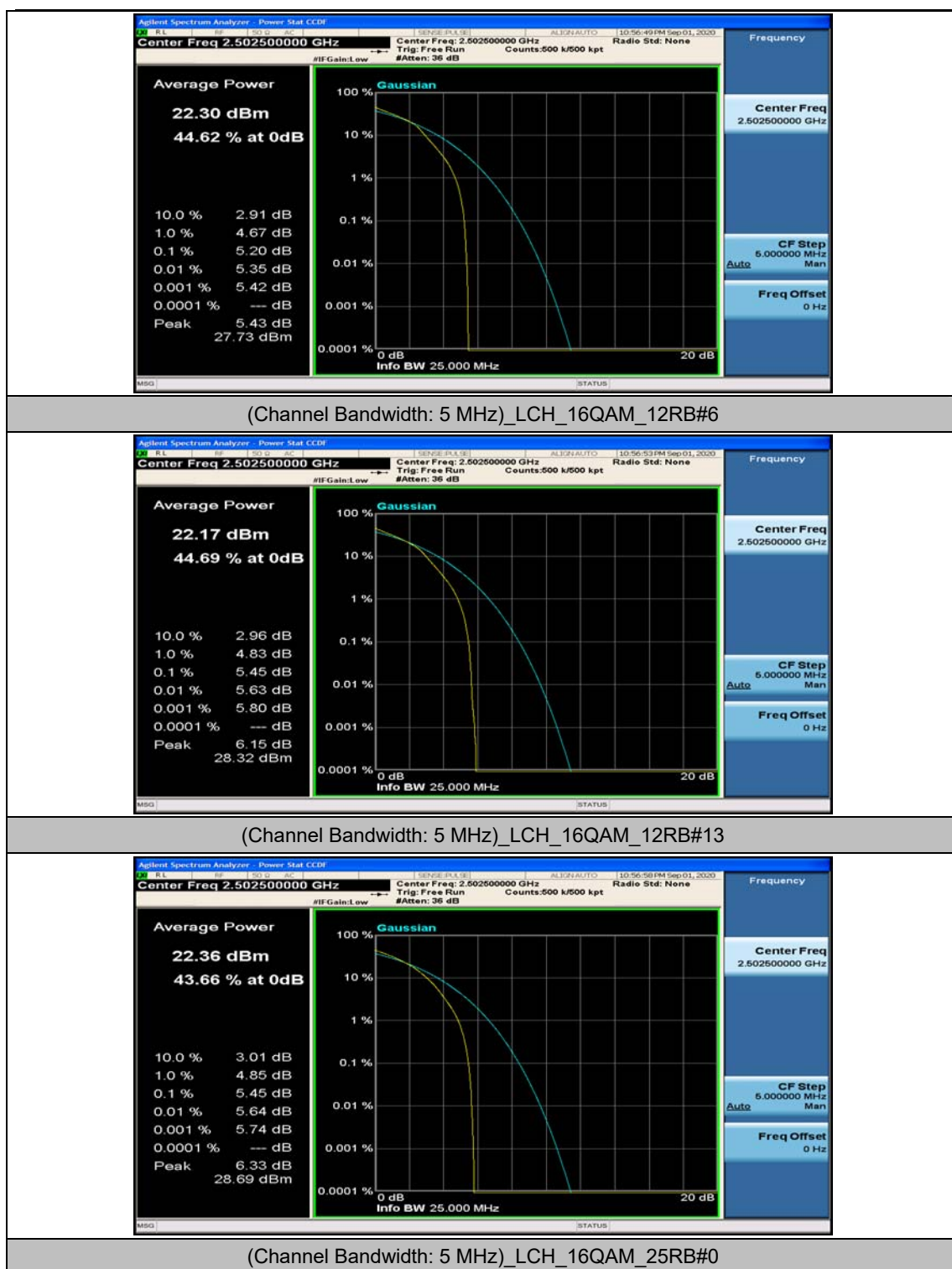
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

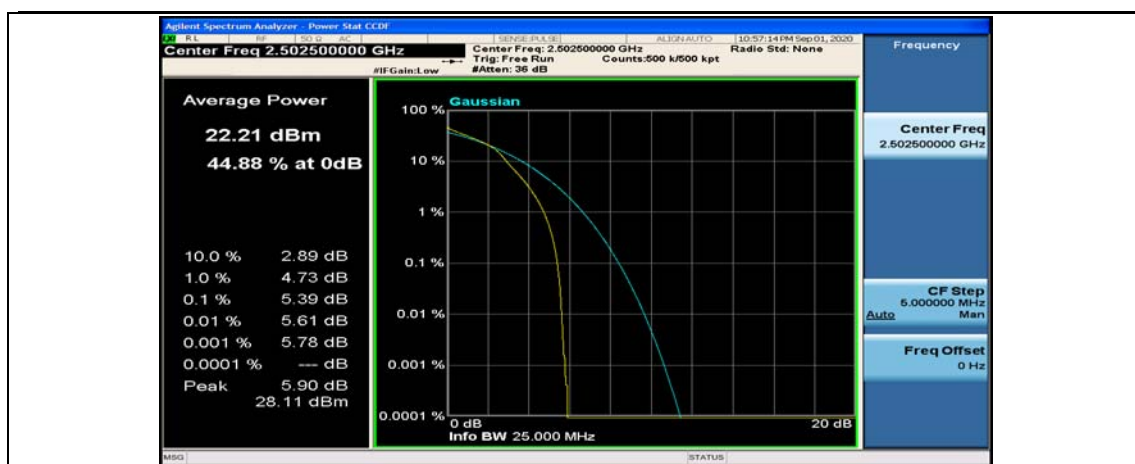


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0





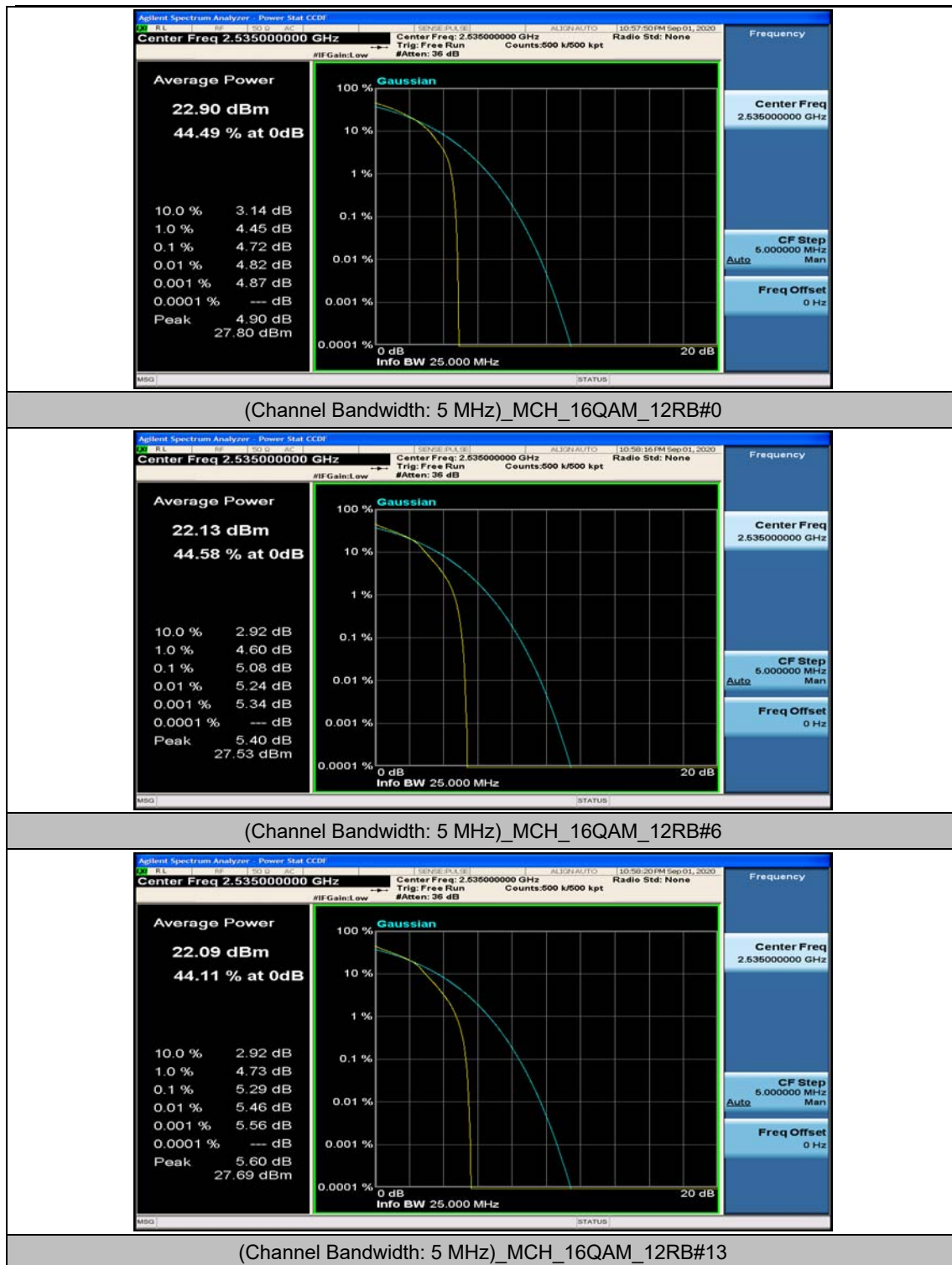
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24





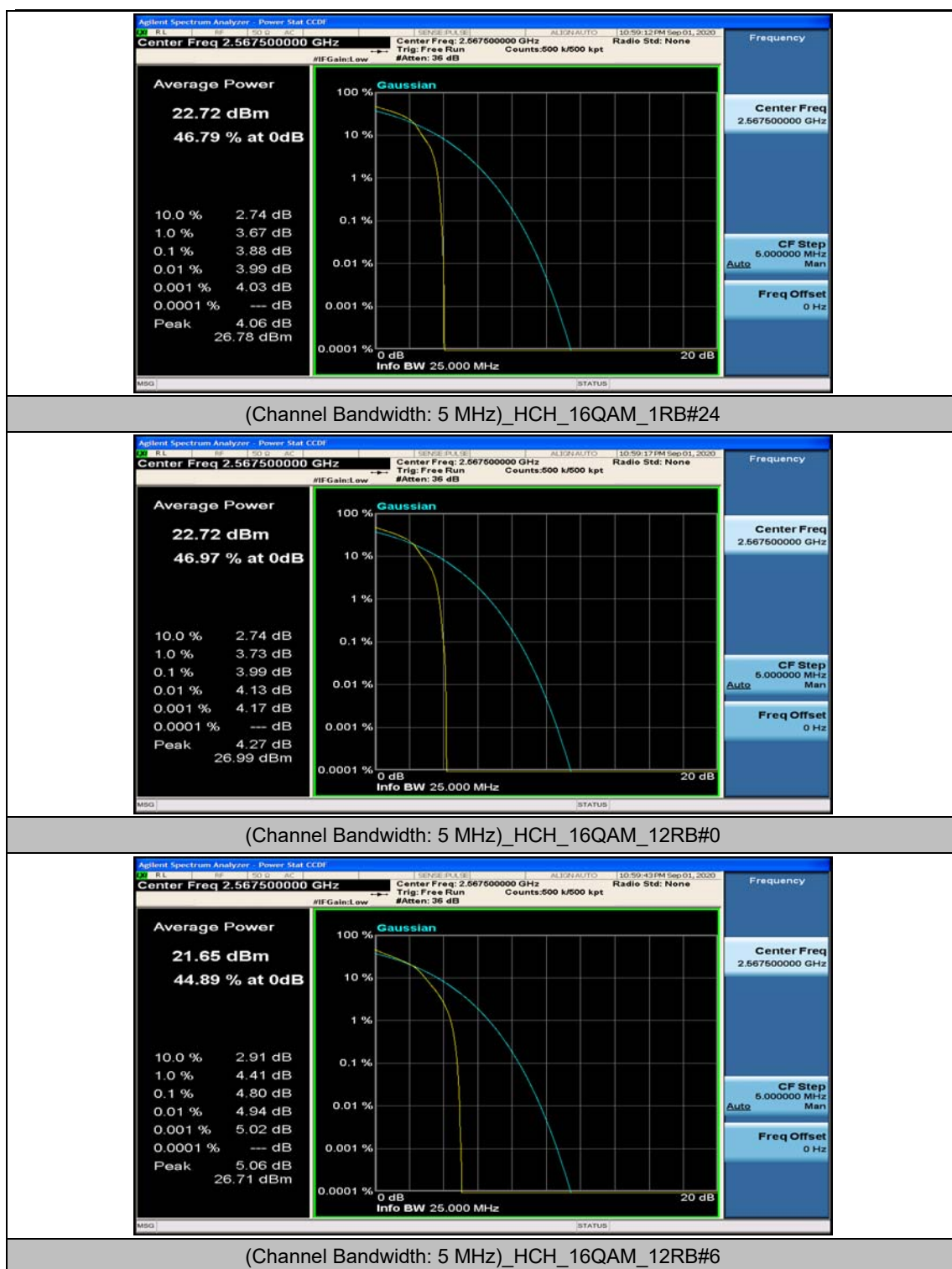
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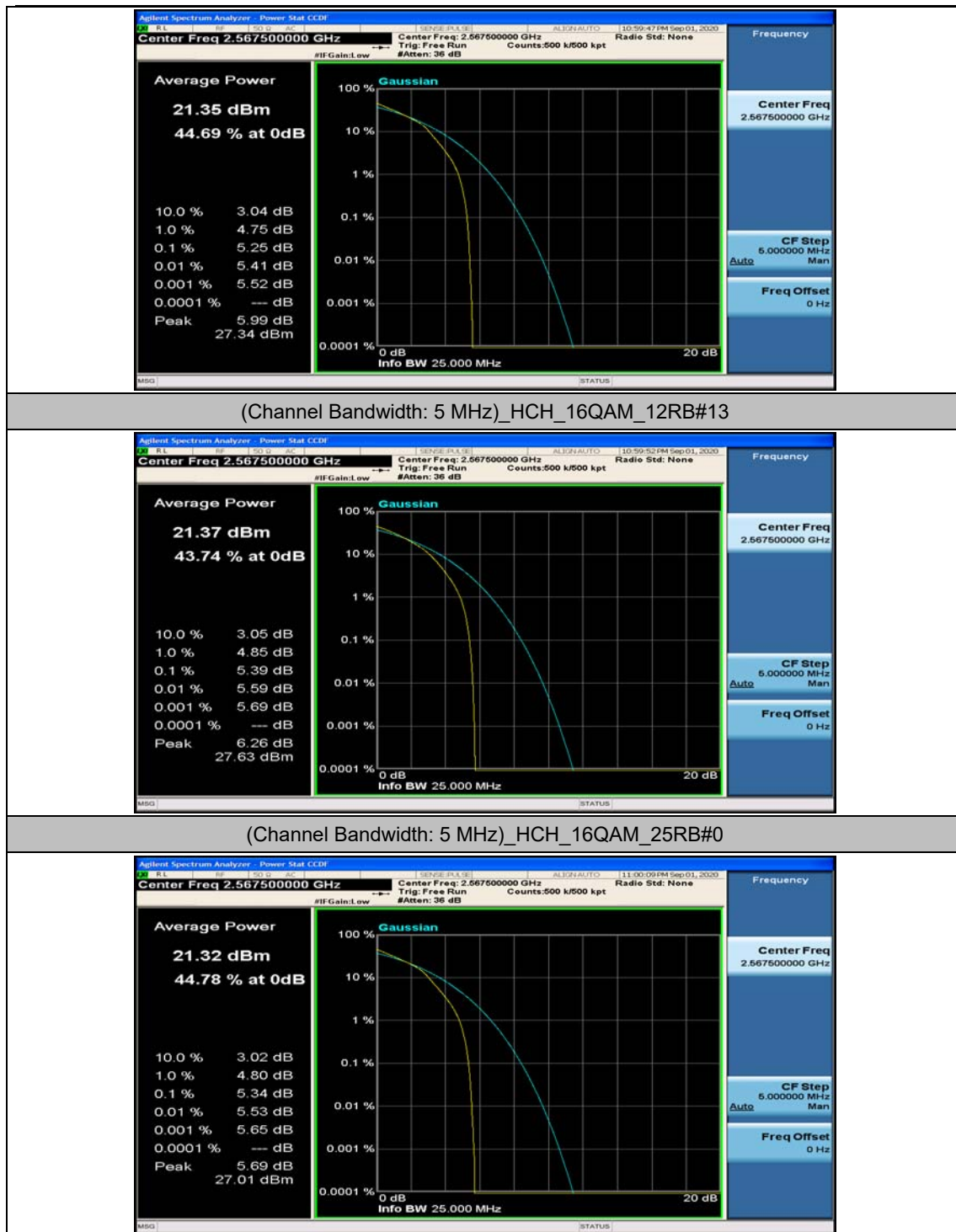


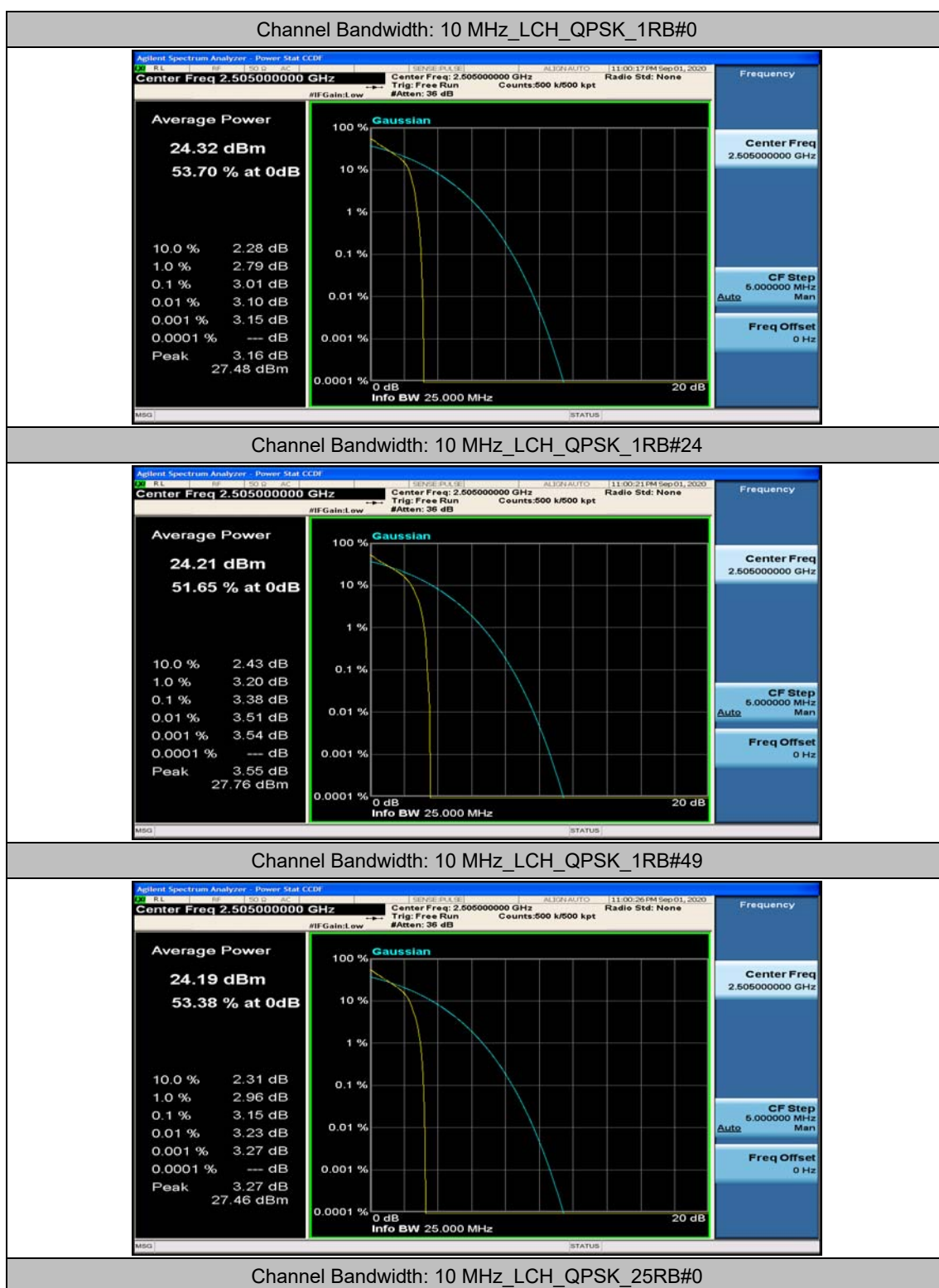
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

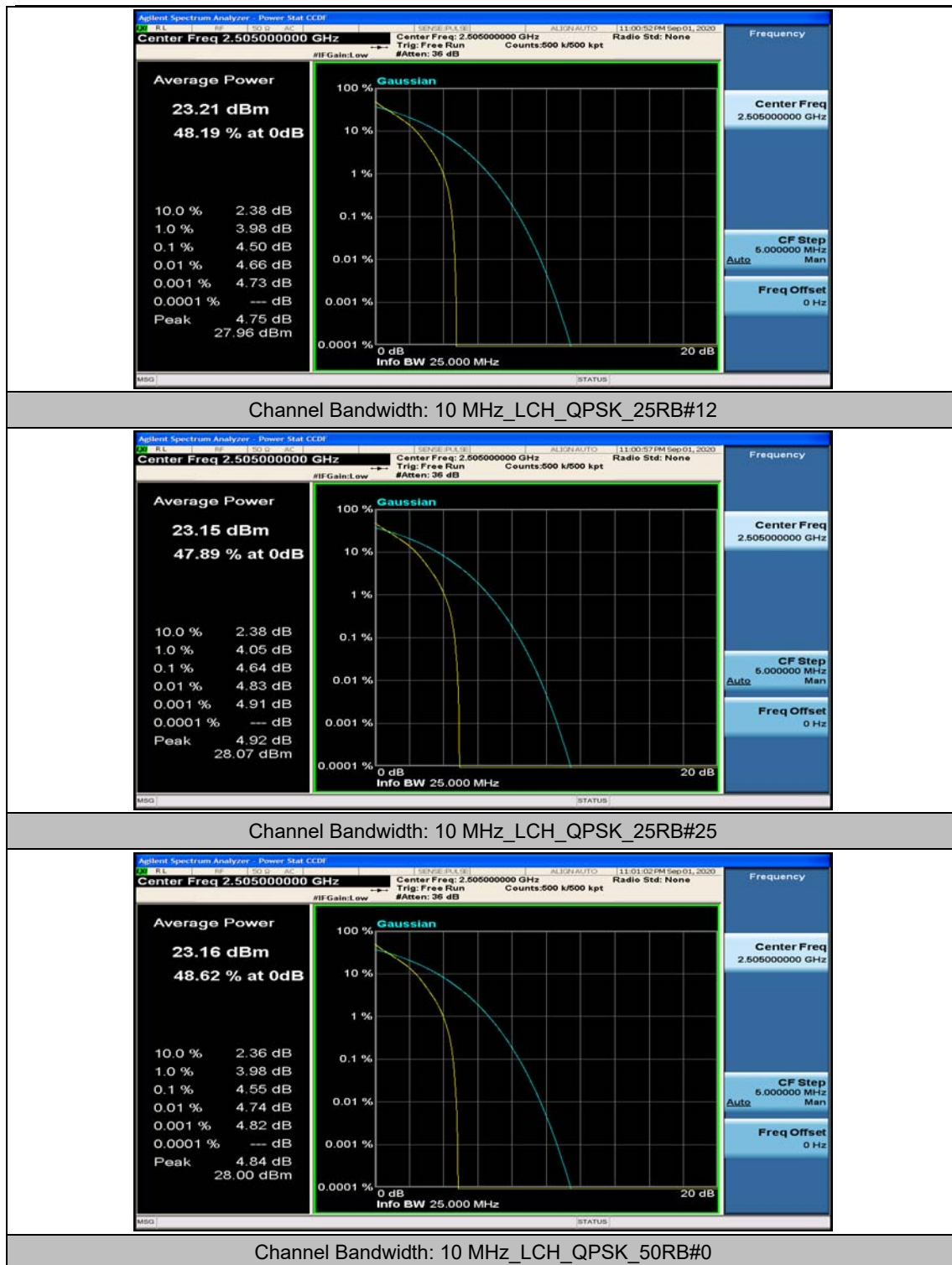


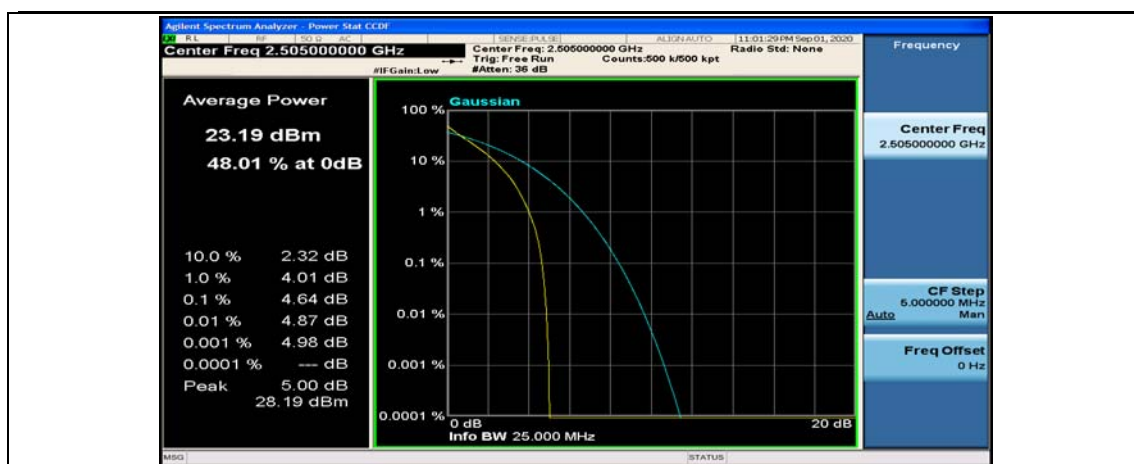
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12





Channel Bandwidth: 10 MHz





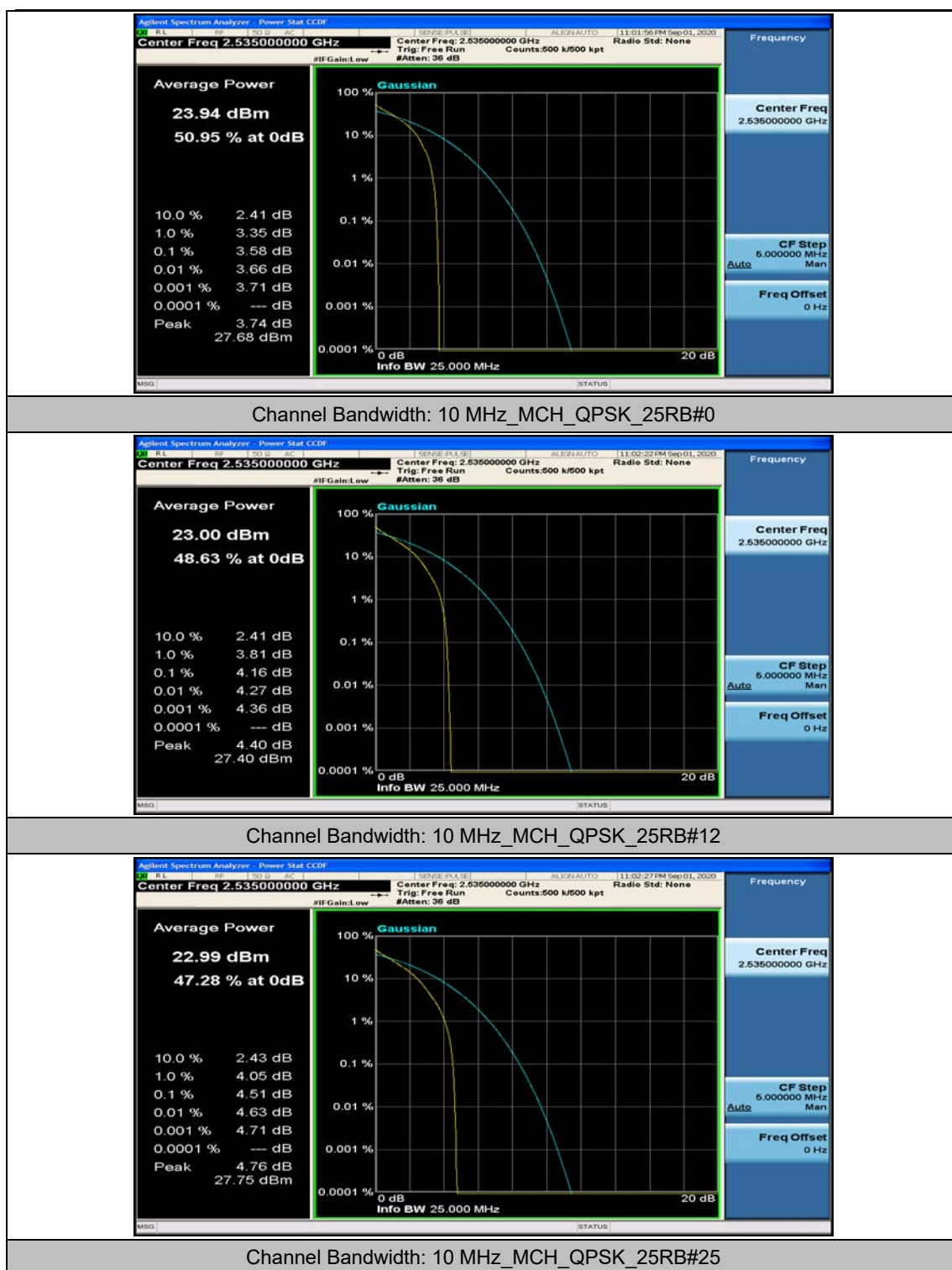
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

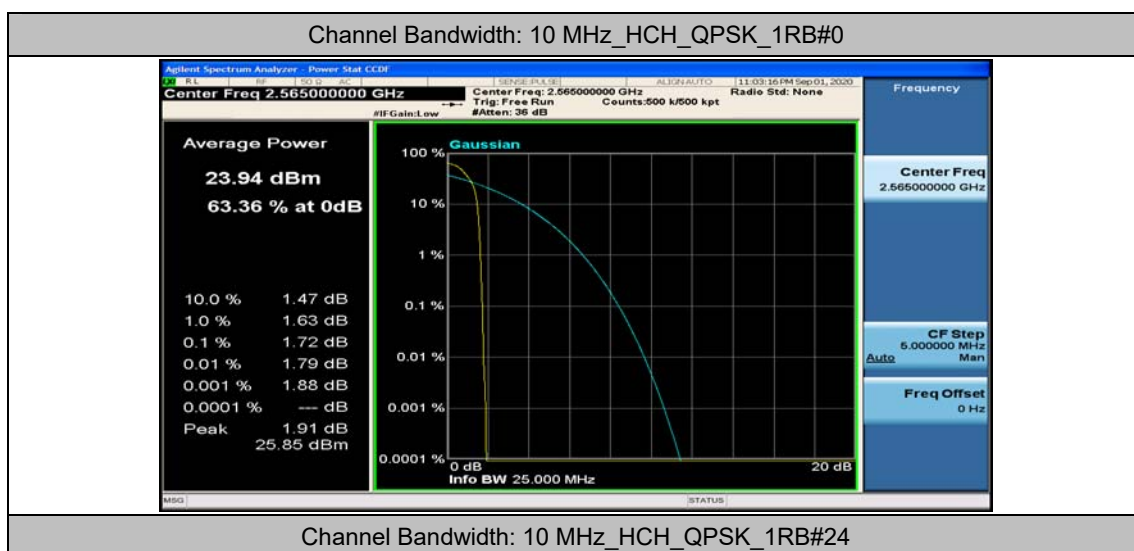


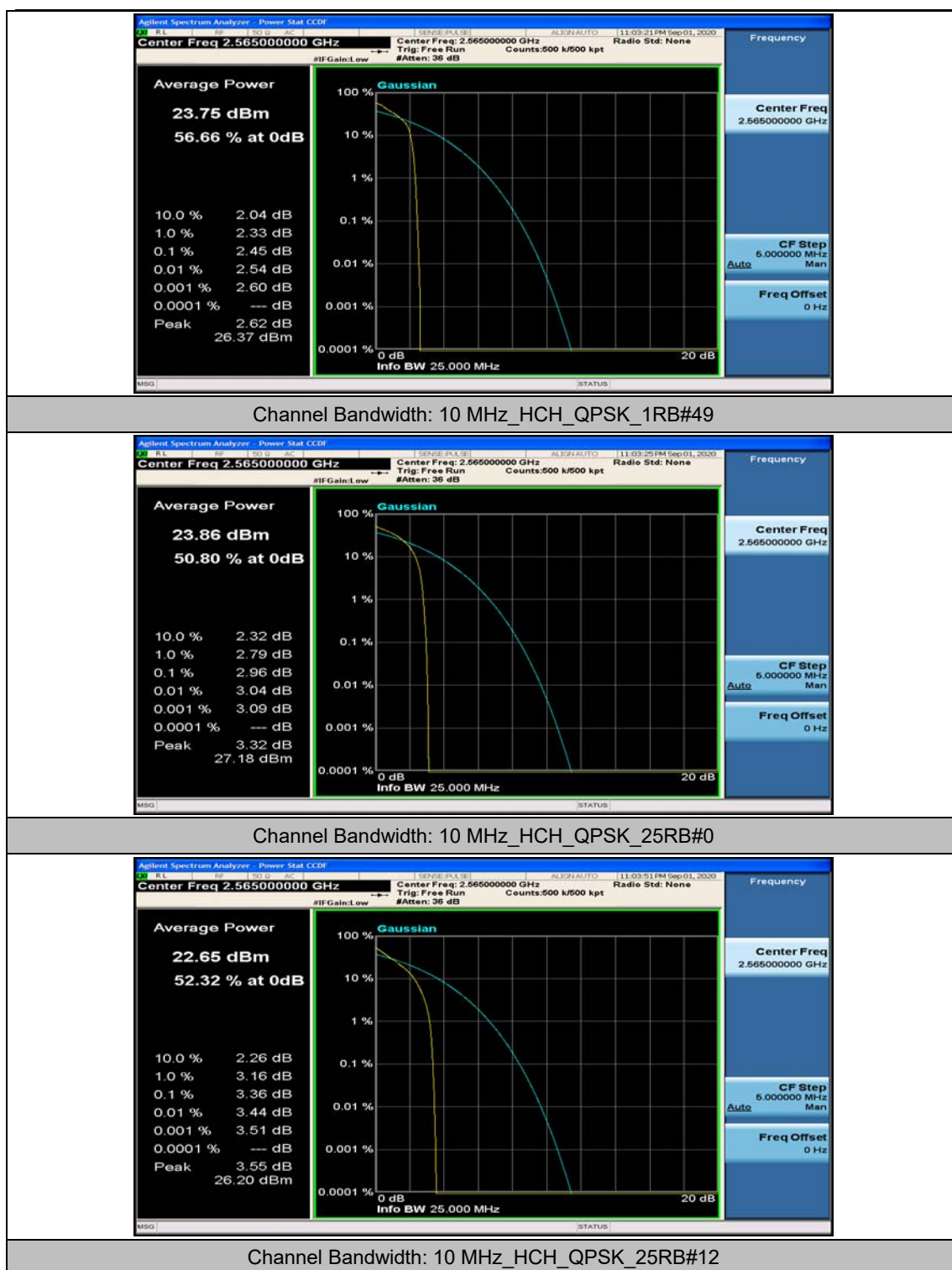
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

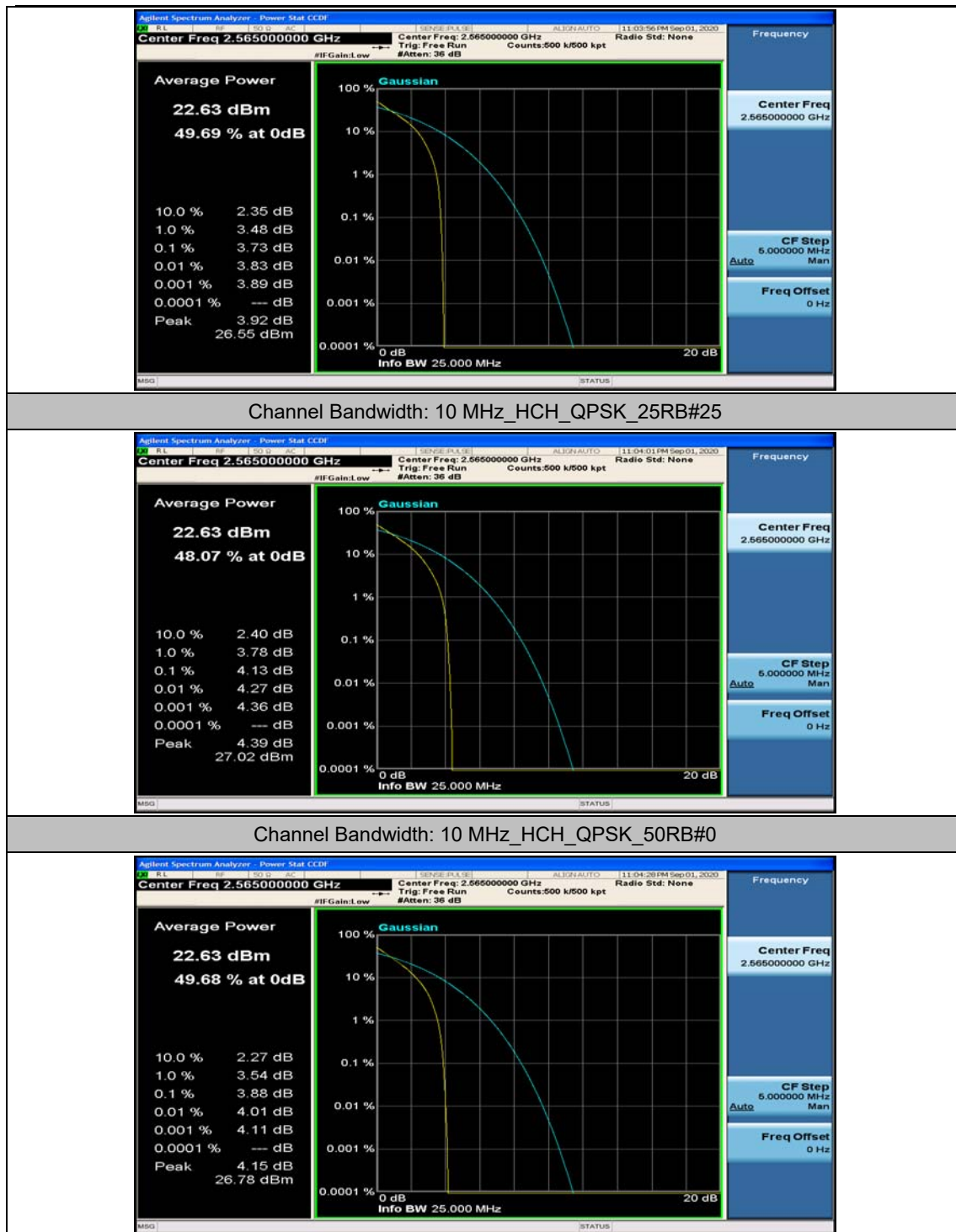


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

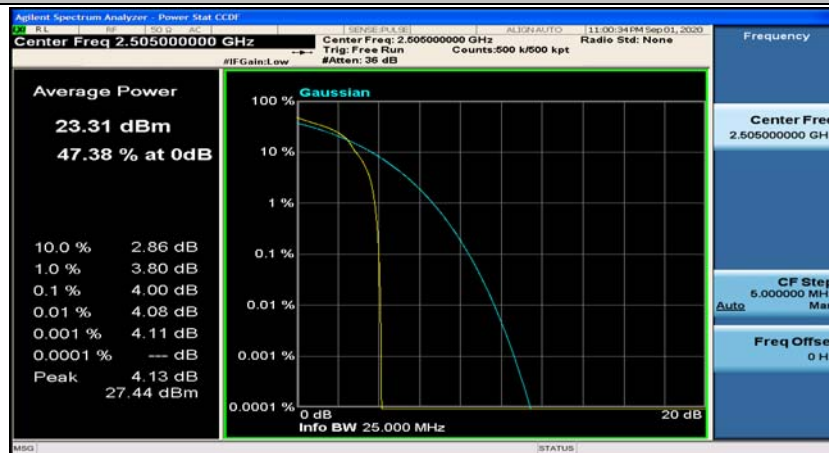








Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



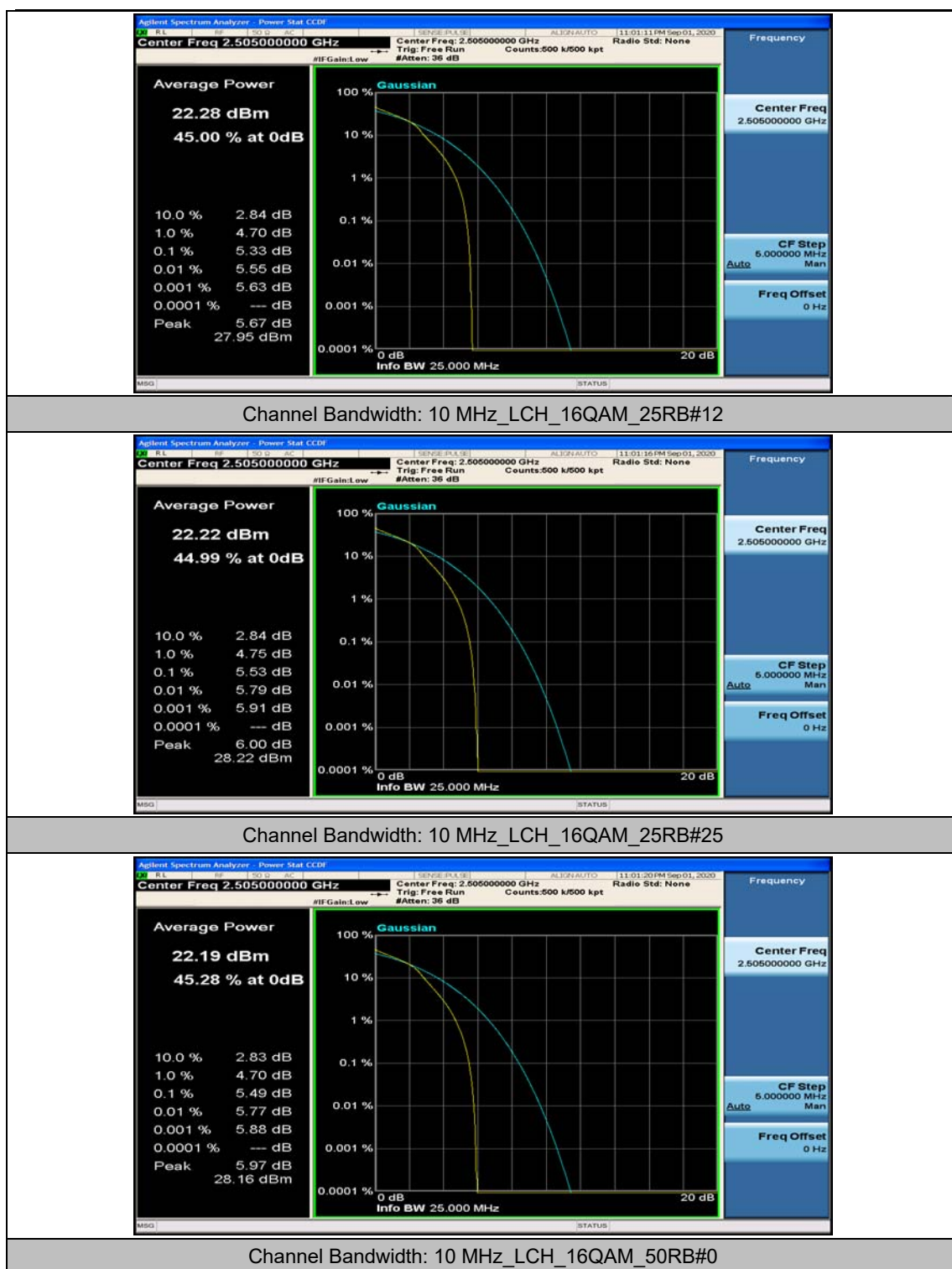
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

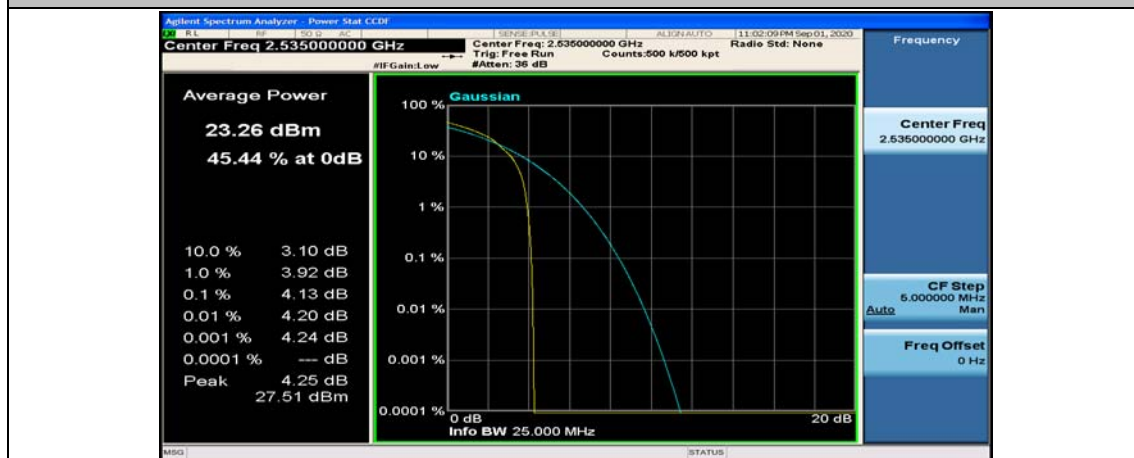




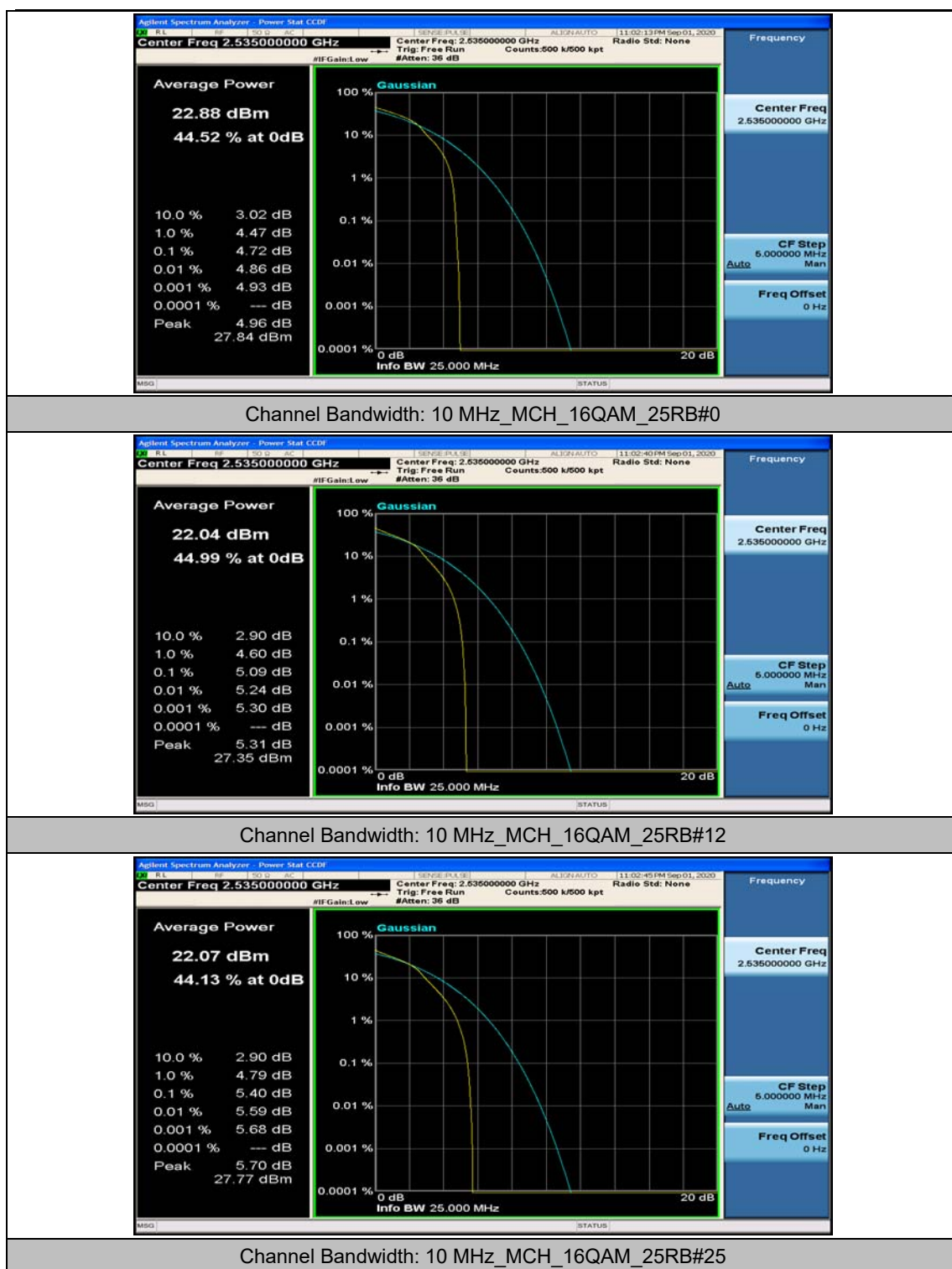
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

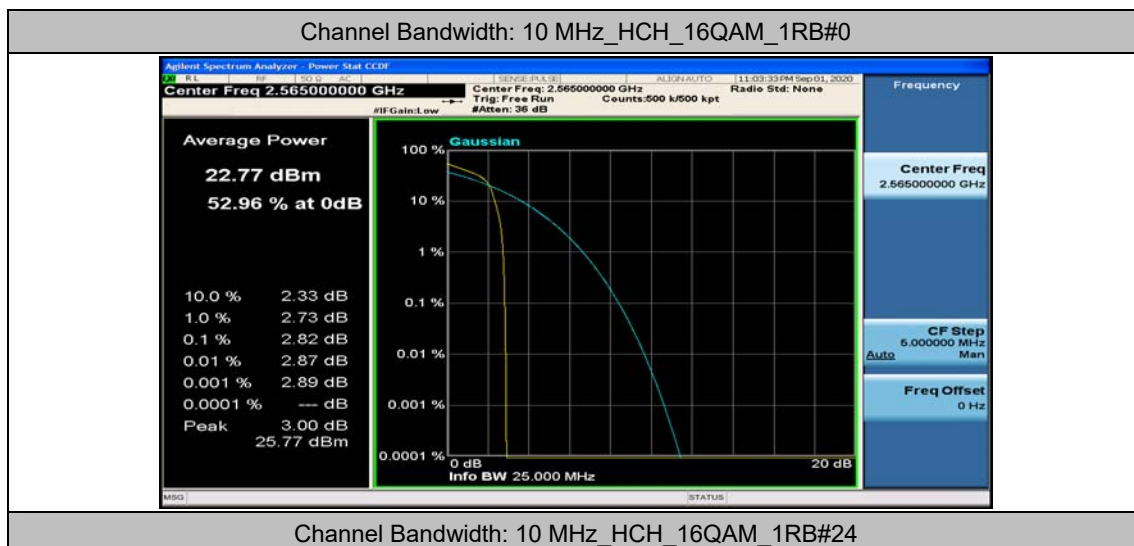


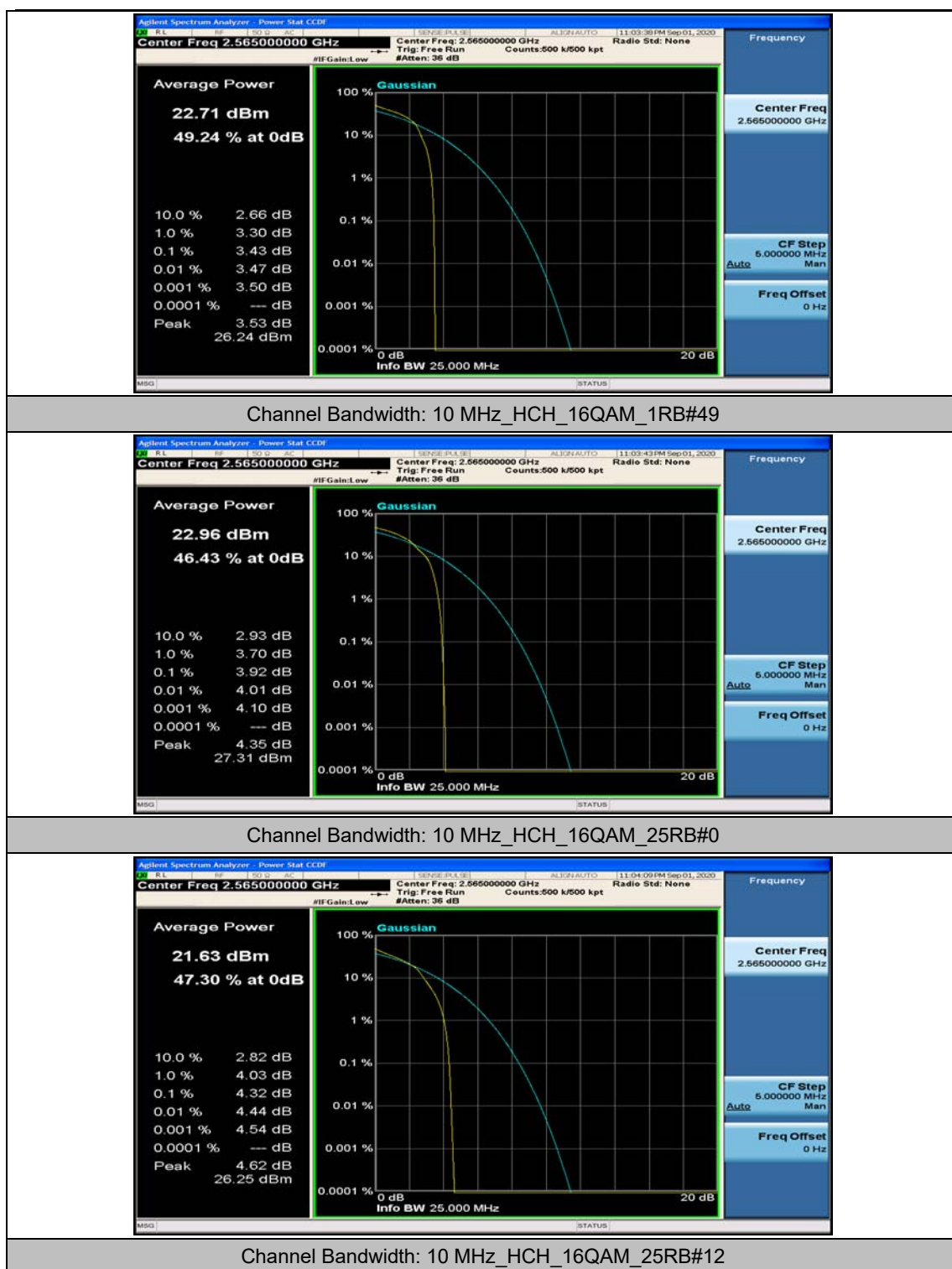
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

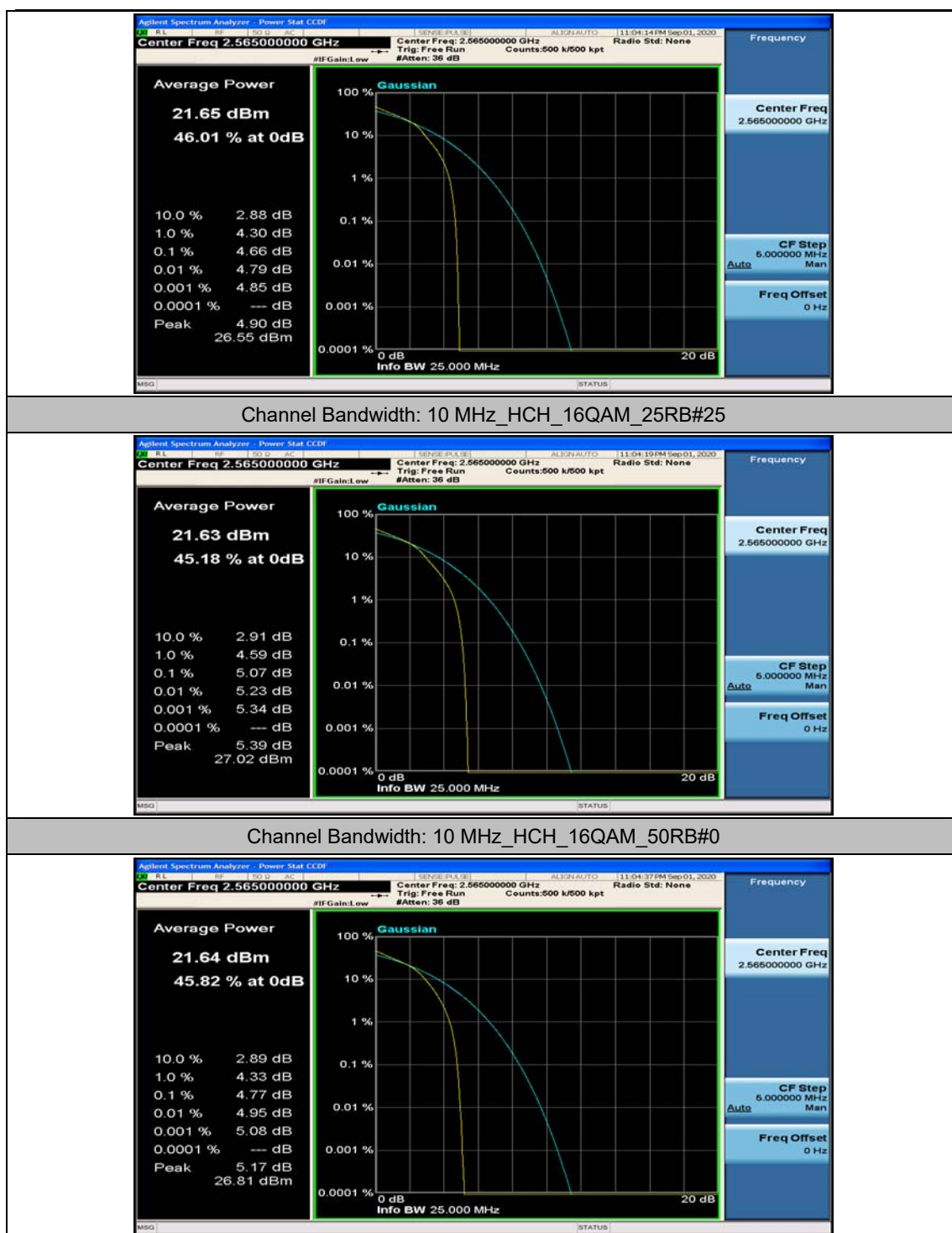


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49







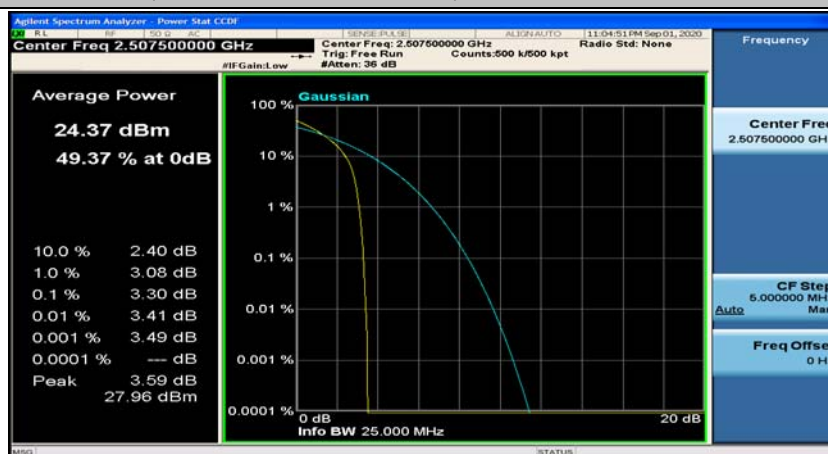


Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



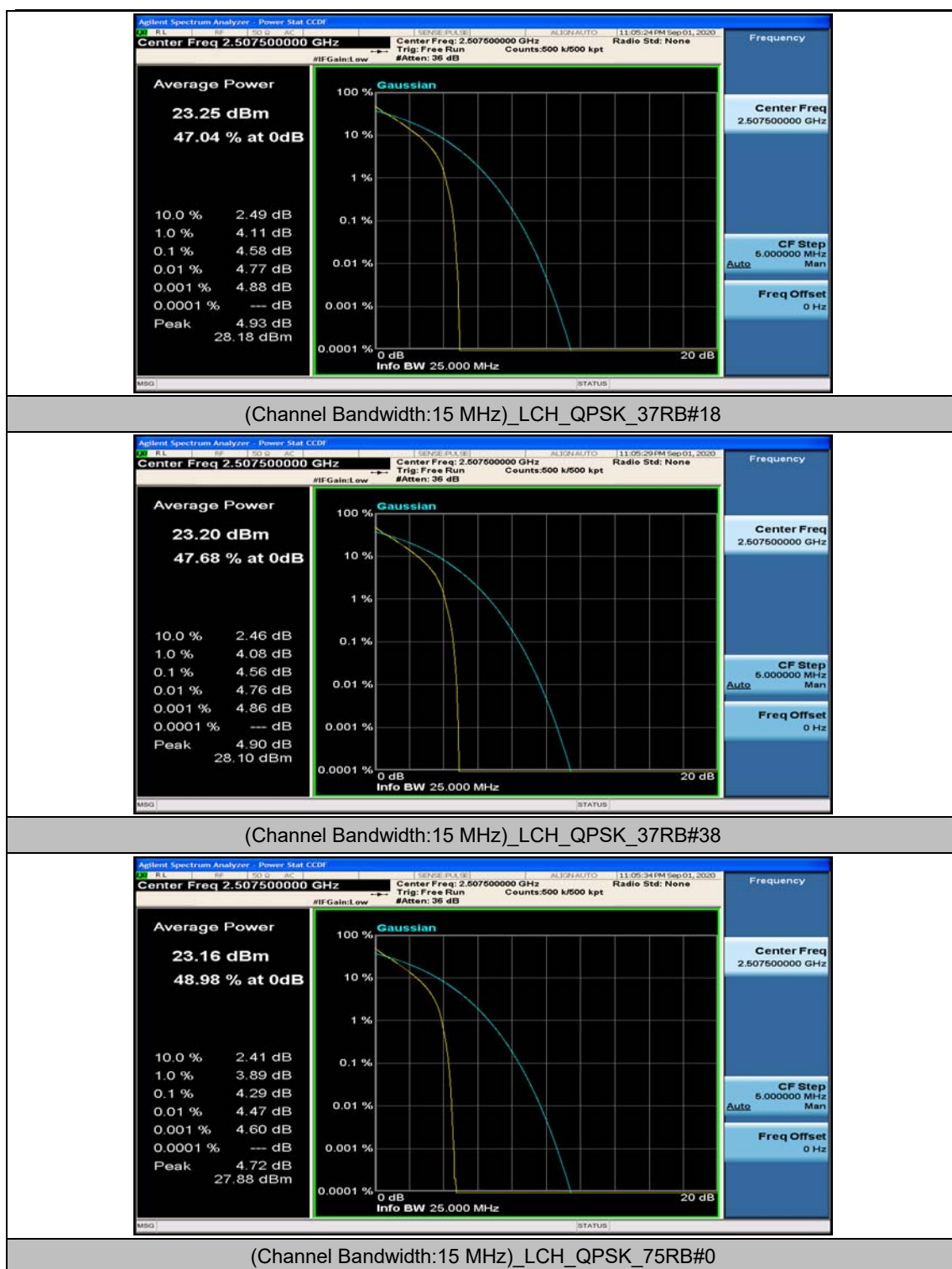
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

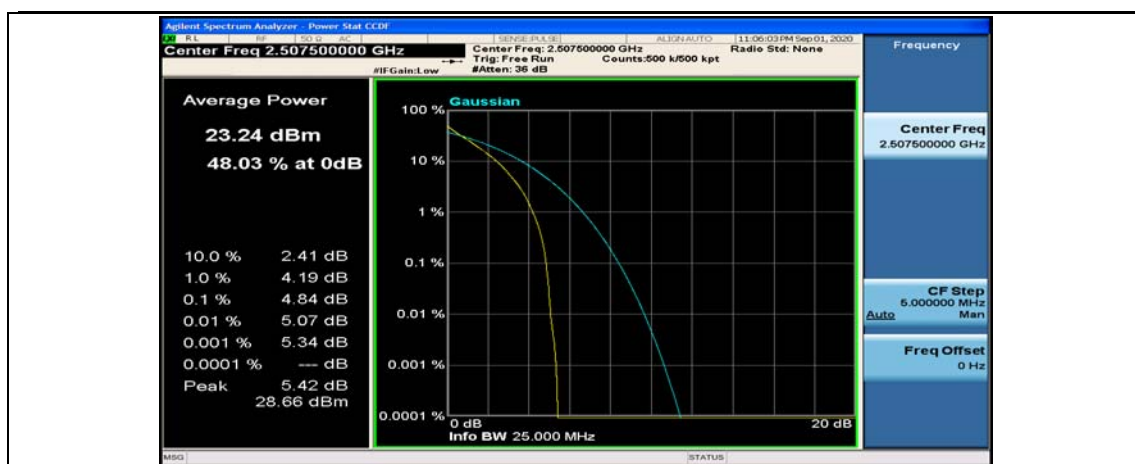


(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0





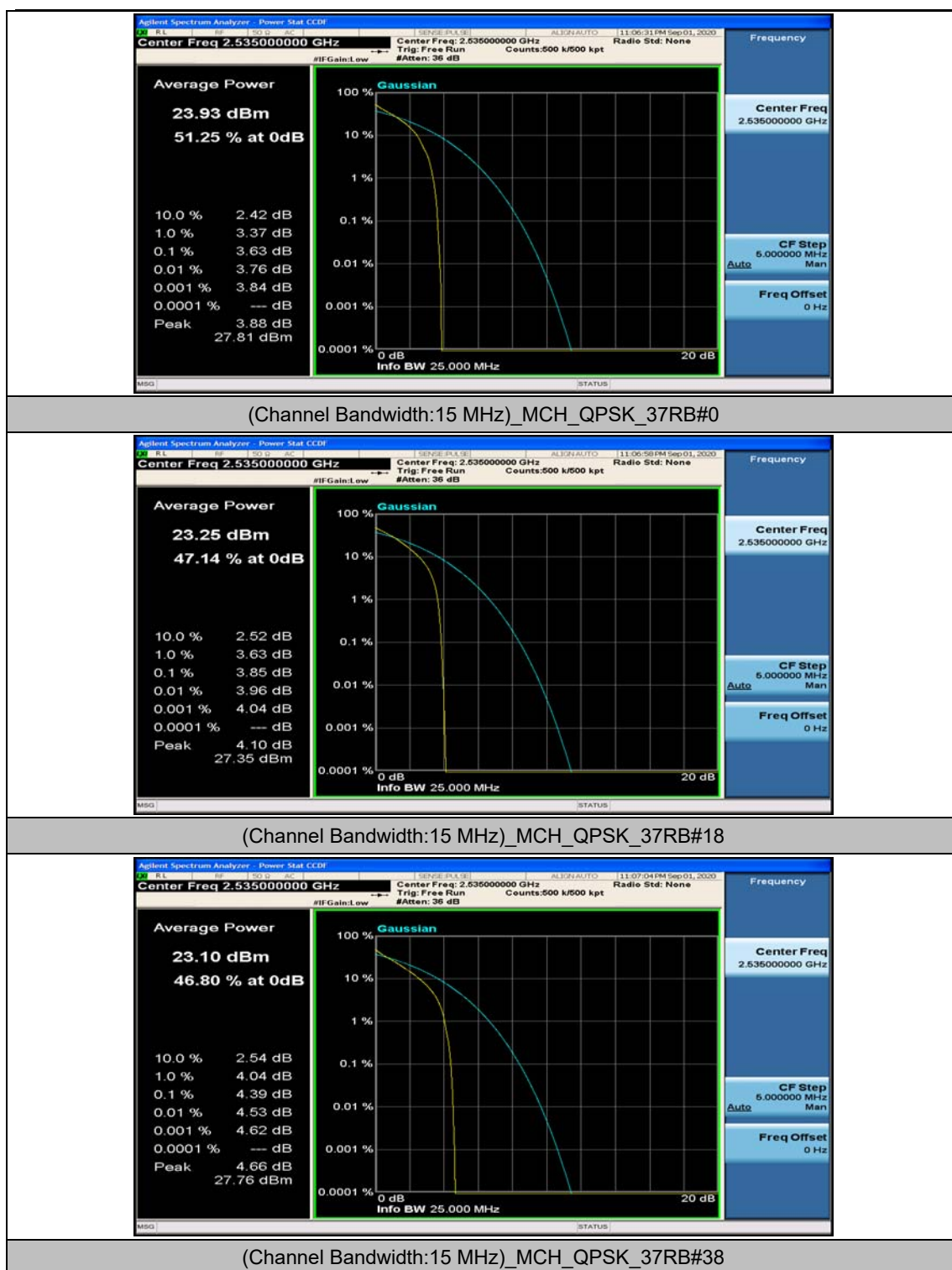
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74





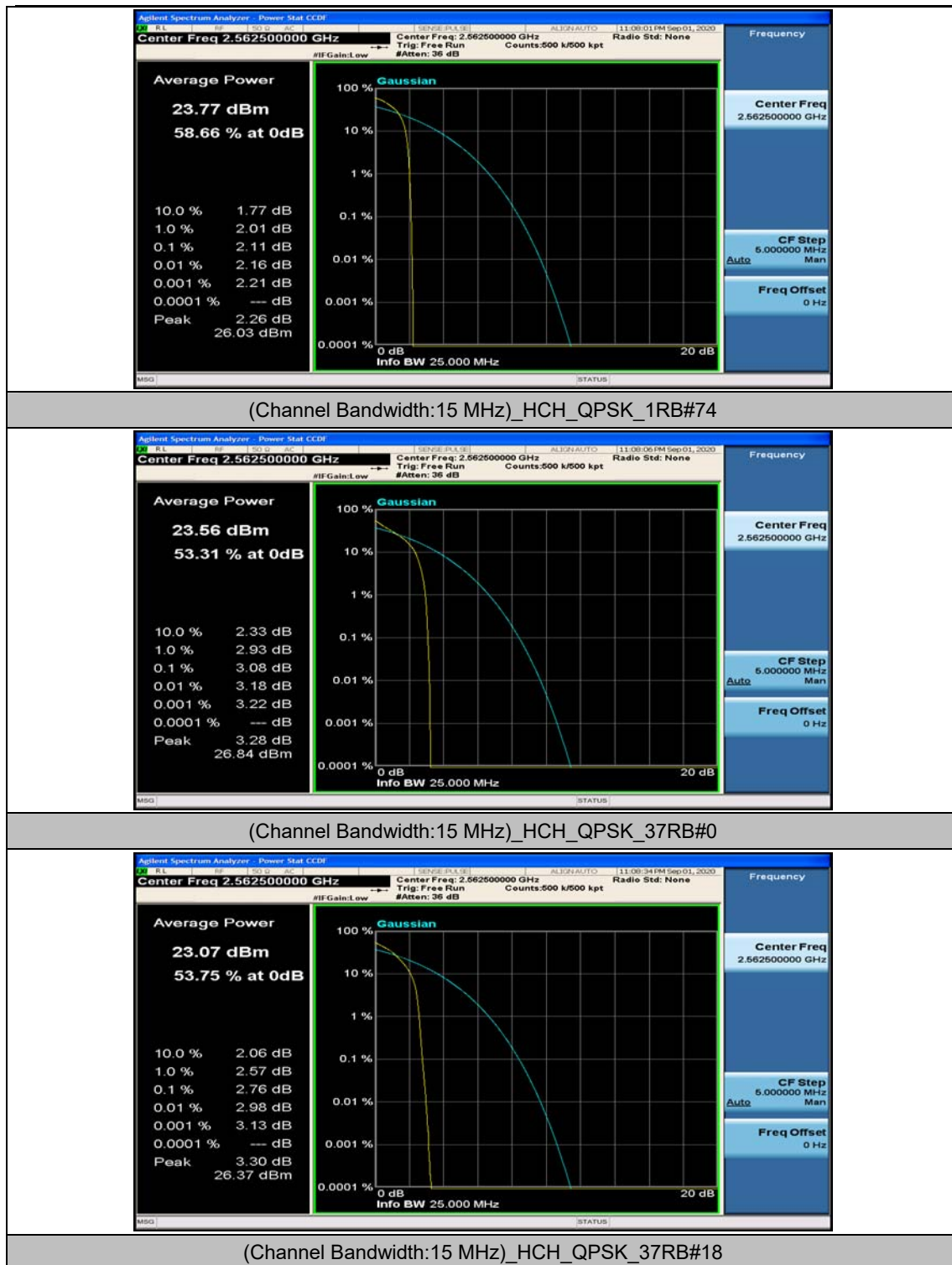
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

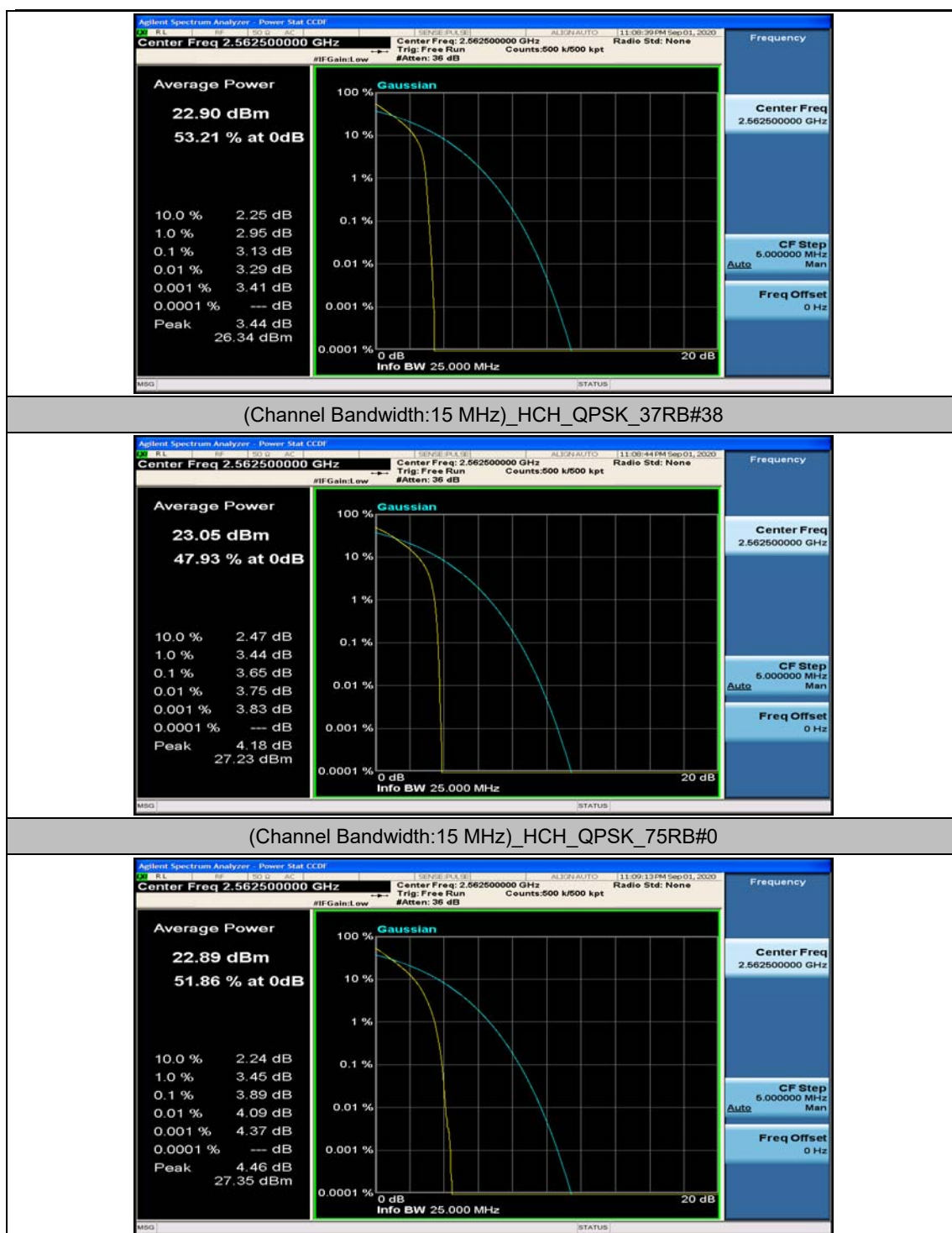


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

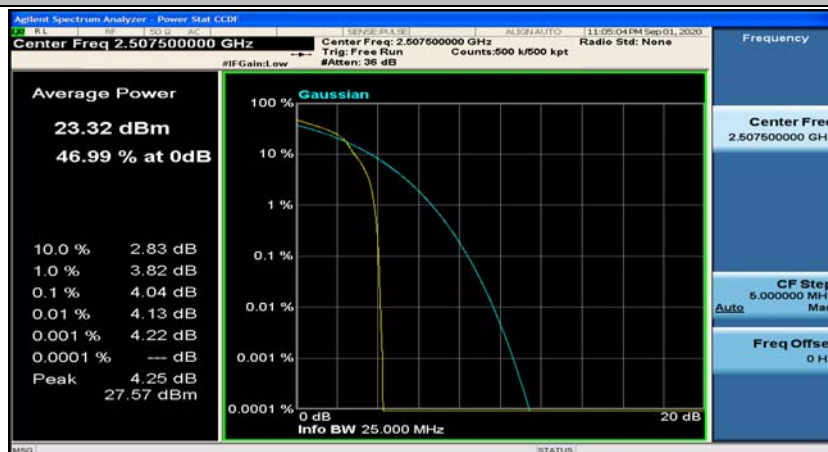


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37





(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



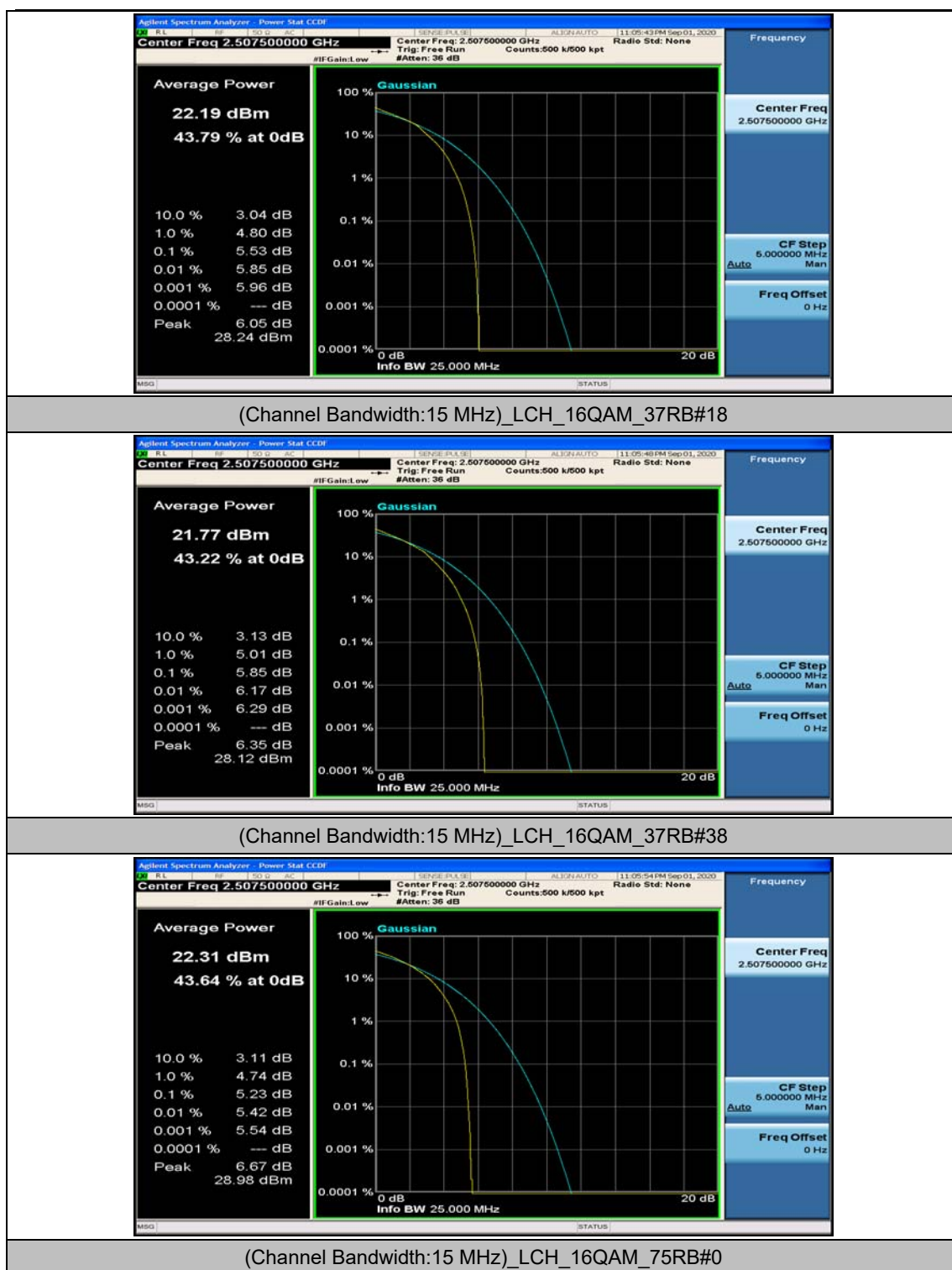
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0

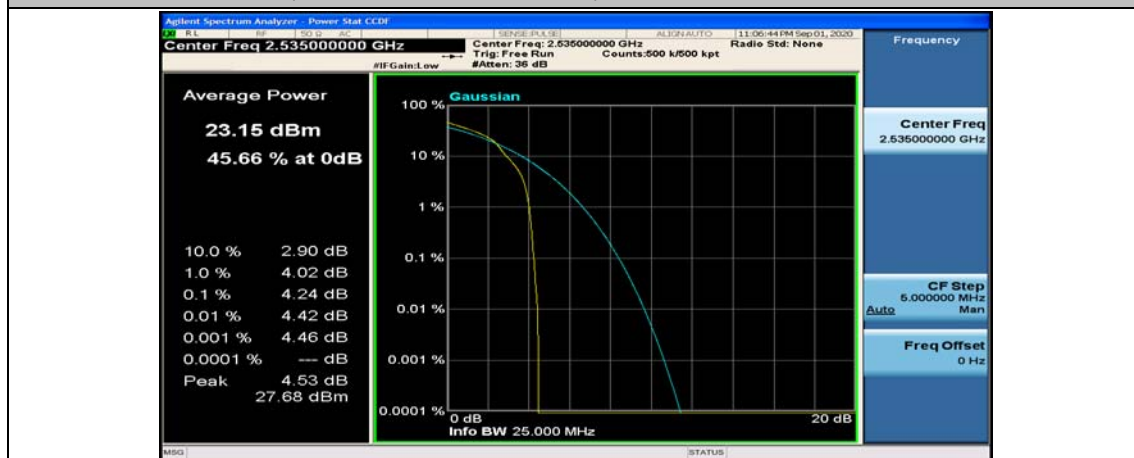




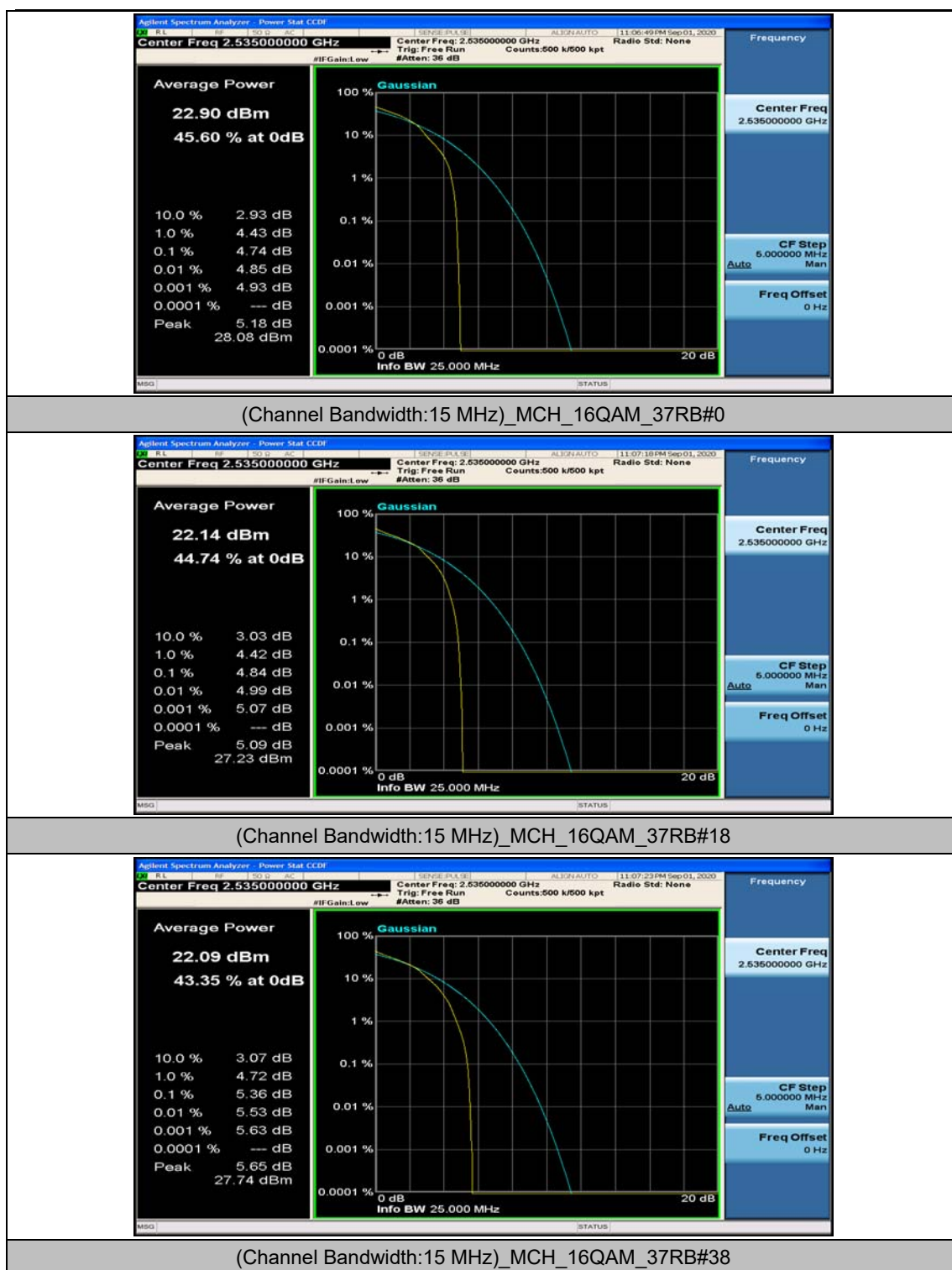
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

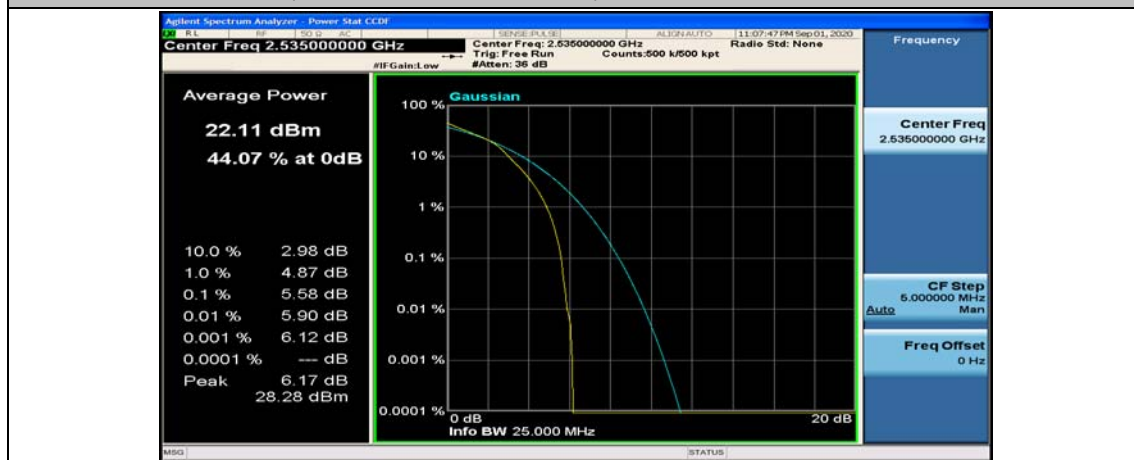


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74





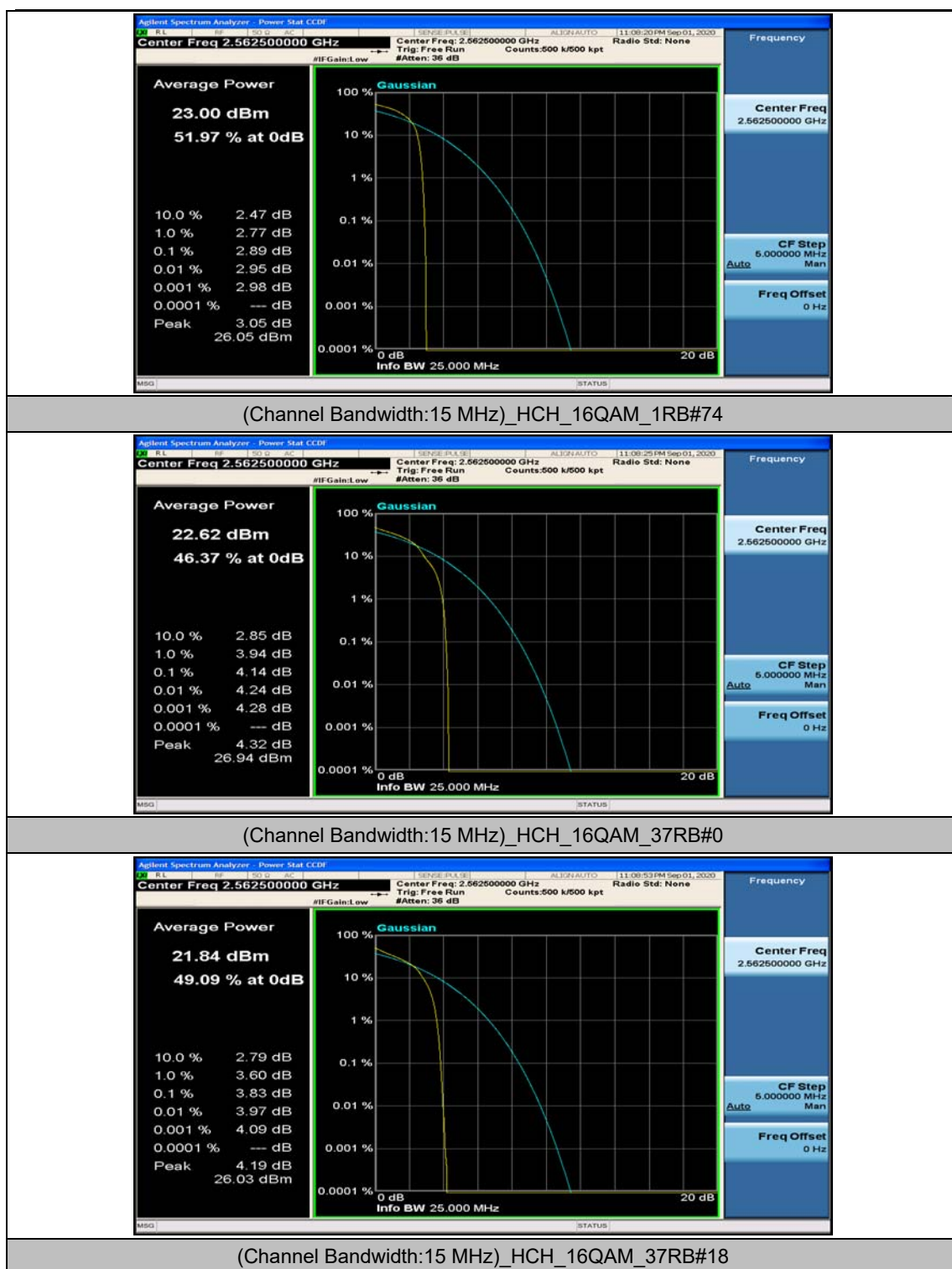
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

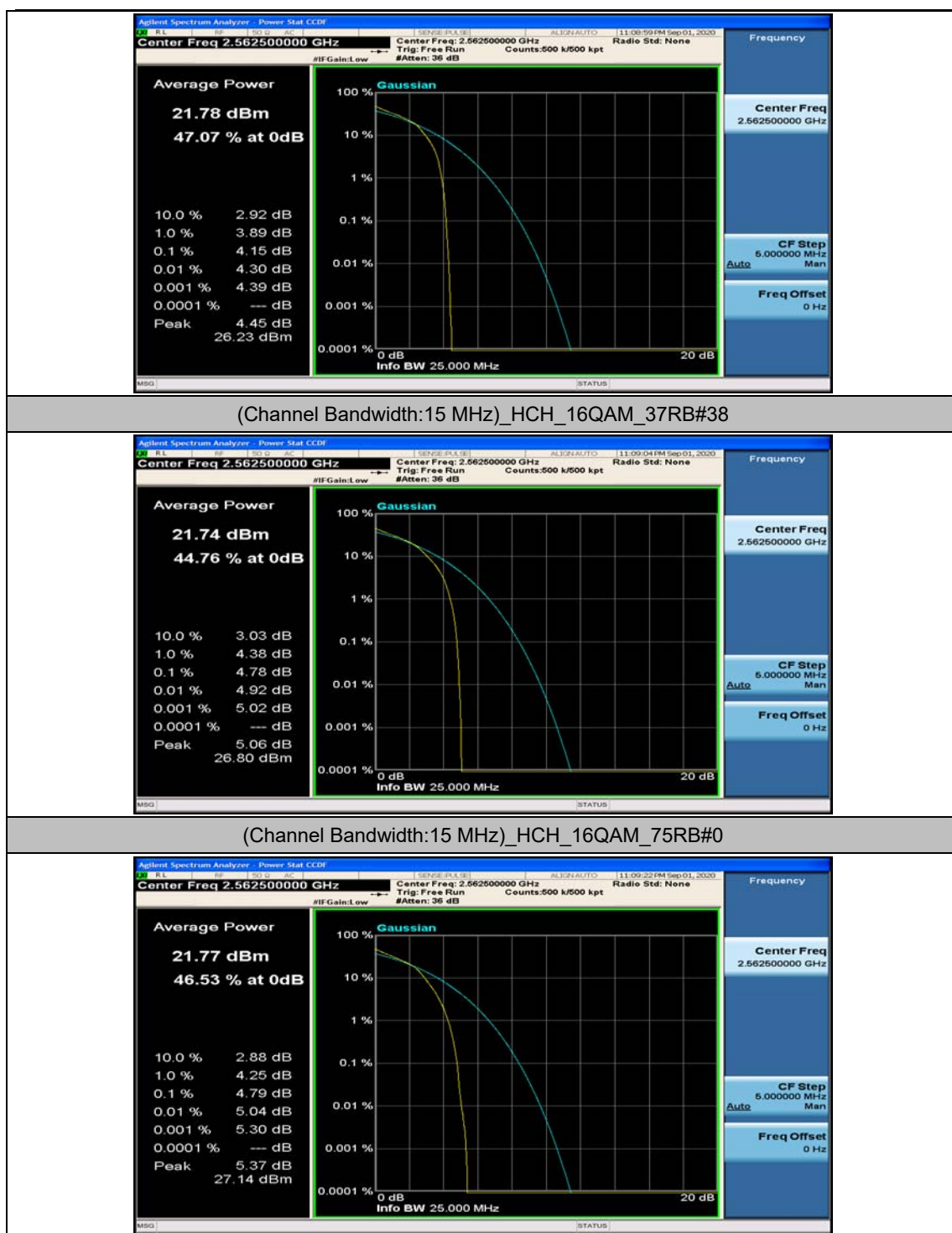


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37





Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



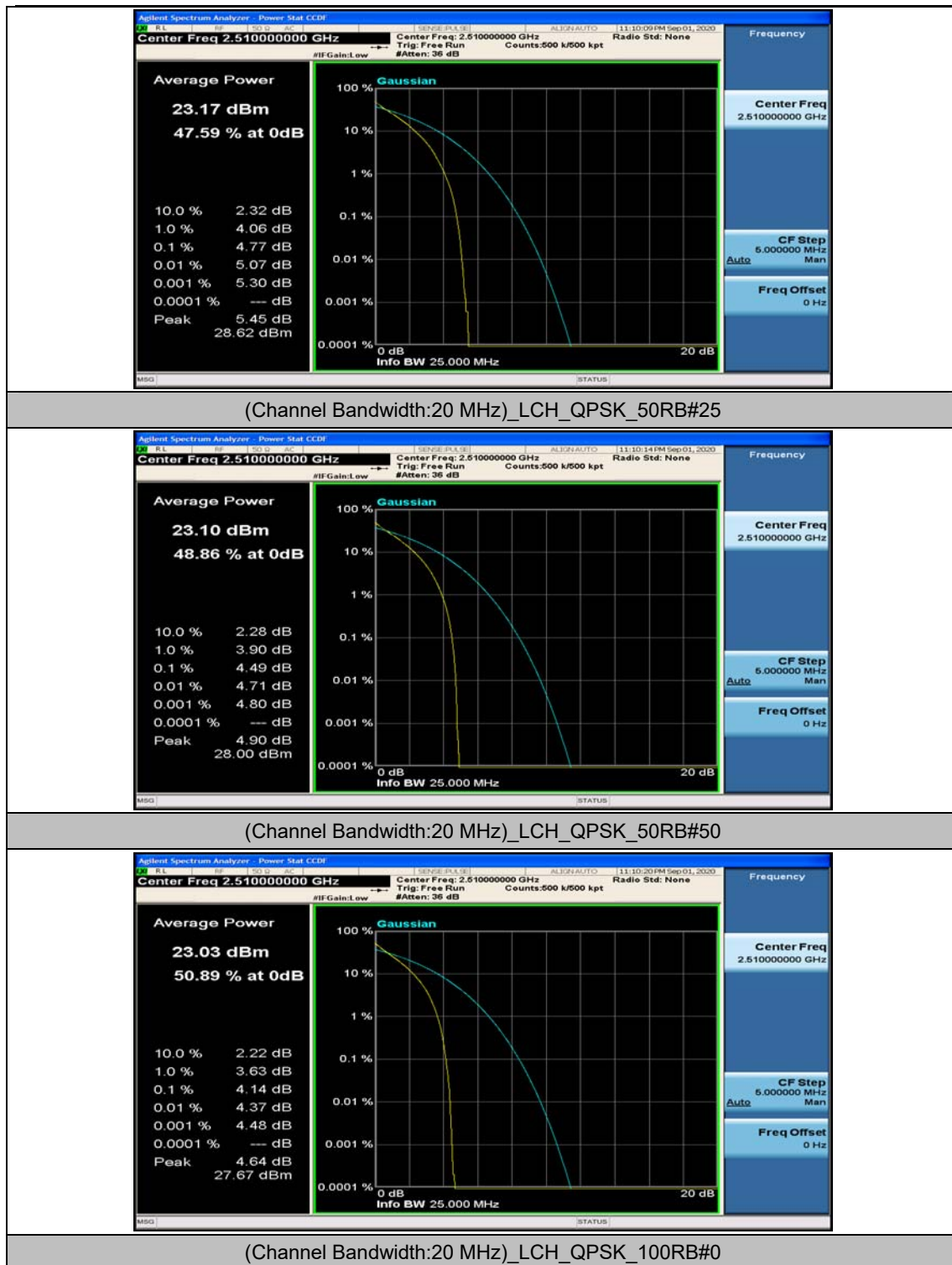
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0





(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99