

Appendix for Band 7

Product Name: Mobile Phone
Model No: KE5k

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	23.39	PASS
		1	12	23.62	PASS
		1	24	23.39	PASS
		12	0	22.37	PASS
		12	6	22.36	PASS
		12	13	22.34	PASS
		25	0	22.32	PASS
	MCH	1	0	23.89	PASS
		1	12	24.16	PASS
		1	24	23.94	PASS
		12	0	22.83	PASS
		12	6	22.91	PASS
		12	13	22.88	PASS
		25	0	22.85	PASS
	HCH	1	0	23.35	PASS
		1	12	23.29	PASS
		1	24	23.07	PASS
		12	0	22.22	PASS
		12	6	22.20	PASS
		12	13	22.07	PASS
		25	0	22.11	PASS
16QAM	LCH	1	0	22.51	PASS
		1	12	22.78	PASS
		1	24	22.54	PASS
		12	0	21.40	PASS
		12	6	21.41	PASS
		12	13	21.34	PASS
		25	0	21.41	PASS
	MCH	1	0	23.04	PASS
		1	12	23.31	PASS
		1	24	23.11	PASS
		12	0	22.00	PASS
		12	6	22.07	PASS

		12	13	21.96	PASS
		25	0	21.90	PASS
	HCH	1	0	22.47	PASS
		1	12	22.52	PASS
		1	24	22.12	PASS
		12	0	21.23	PASS
		12	6	21.24	PASS
		12	13	21.07	PASS
		25	0	21.24	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.36	PASS
		1	24	23.4	PASS
		1	49	23.39	PASS
		25	0	22.38	PASS
		25	12	22.33	PASS
		25	25	22.38	PASS
		50	0	22.34	PASS
	MCH	1	0	23.8	PASS
		1	24	23.96	PASS
		1	49	23.95	PASS
		25	0	22.87	PASS
		25	12	22.86	PASS
		25	25	22.93	PASS
		50	0	22.89	PASS
	HCH	1	0	23.58	PASS
		1	24	23.39	PASS
		1	49	23.02	PASS
		25	0	22.48	PASS
		25	12	22.26	PASS
		25	25	22.2	PASS
		50	0	22.29	PASS
16QAM	LCH	1	0	22.52	PASS
		1	24	22.59	PASS
		1	49	22.61	PASS
		25	0	21.41	PASS
		25	12	21.36	PASS
		25	25	21.4	PASS
		50	0	21.36	PASS

	MCH	1	0	22.62	PASS
		1	24	22.46	PASS
		1	49	22.68	PASS
		25	0	21.94	PASS
		25	12	21.92	PASS
		25	25	22.02	PASS
		50	0	21.97	PASS
	HCH	1	0	22.8	PASS
		1	24	22.61	PASS
		1	49	22.16	PASS
		25	0	21.56	PASS
		25	12	21.39	PASS
		25	25	21.27	PASS
		50	0	21.41	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.31	PASS
		1	37	23.45	PASS
		1	74	23.38	PASS
		37	0	22.49	PASS
		37	18	22.49	PASS
		37	38	22.48	PASS
		75	0	22.48	PASS
	MCH	1	0	23.78	PASS
		1	37	24.06	PASS
		1	74	23.89	PASS
		37	0	22.88	PASS
		37	18	22.95	PASS
		37	38	22.94	PASS
		75	0	22.98	PASS
	HCH	1	0	23.82	PASS
		1	37	23.62	PASS
		1	74	22.96	PASS
		37	0	22.79	PASS
		37	18	22.56	PASS
		37	38	22.30	PASS
		75	0	22.60	PASS
16QAM	LCH	1	0	22.51	PASS
		1	37	22.66	PASS

		1	74	22.59	PASS
		37	0	21.43	PASS
		37	18	21.41	PASS
		37	38	21.45	PASS
		75	0	21.46	PASS
	MCH	1	0	23.00	PASS
		1	37	23.31	PASS
		1	74	23.17	PASS
		37	0	21.91	PASS
		37	18	21.96	PASS
		37	38	22.01	PASS
		75	0	21.97	PASS
	HCH	1	0	22.98	PASS
		1	37	22.79	PASS
		1	74	22.13	PASS
		37	0	21.70	PASS
		37	18	21.55	PASS
		37	38	21.28	PASS
		75	0	21.59	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.30	PASS
		1	49	23.61	PASS
		1	99	23.45	PASS
		50	0	22.35	PASS
		50	25	22.37	PASS
		50	50	22.46	PASS
		100	0	22.40	PASS
	MCH	1	0	23.64	PASS
		1	49	24.26	PASS
		1	99	23.91	PASS
		50	0	22.79	PASS
		50	25	22.92	PASS
		50	50	22.89	PASS
		100	0	22.83	PASS
	HCH	1	0	23.74	PASS
		1	49	23.66	PASS
		1	99	22.76	PASS
		50	0	22.83	PASS

		50	25	22.64	PASS
		50	50	22.39	PASS
		100	0	22.58	PASS
16QAM	LCH	1	0	22.39	PASS
		1	49	22.74	PASS
		1	99	22.52	PASS
		50	0	21.37	PASS
		50	25	21.39	PASS
		50	50	21.49	PASS
		100	0	21.44	PASS
	MCH	1	0	22.89	PASS
		1	49	23.35	PASS
		1	99	23.18	PASS
		50	0	21.89	PASS
		50	25	22.00	PASS
		50	50	22.00	PASS
		100	0	21.90	PASS
	HCH	1	0	22.98	PASS
		1	49	22.93	PASS
		1	99	22.03	PASS
		50	0	21.90	PASS
		50	25	21.69	PASS
		50	50	21.44	PASS
		100	0	21.63	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	3.2	<13	PASS
		1	12	3.14	<13	PASS
		1	24	3.41	<13	PASS
		12	0	3.99	<13	PASS
		12	6	4.02	<13	PASS
		12	13	4.12	<13	PASS
		25	0	4.07	<13	PASS
	MCH	1	0	3.86	<13	PASS
		1	12	3.7	<13	PASS
		1	24	3.87	<13	PASS
		12	0	4.63	<13	PASS
		12	6	4.56	<13	PASS
		12	13	4.61	<13	PASS
		25	0	4.66	<13	PASS
	HCH	1	0	3.37	<13	PASS
		1	12	2.99	<13	PASS
		1	24	2.83	<13	PASS
		12	0	4.11	<13	PASS
		12	6	3.92	<13	PASS
		12	13	3.84	<13	PASS
		25	0	4.02	<13	PASS
16QAM	LCH	1	0	4.06	<13	PASS
		1	12	3.96	<13	PASS
		1	24	4.34	<13	PASS
		12	0	4.85	<13	PASS
		12	6	4.89	<13	PASS
		12	13	5.03	<13	PASS
		25	0	4.96	<13	PASS
	MCH	1	0	4.81	<13	PASS
		1	12	4.67	<13	PASS

		1	24	4.75	<13	PASS
		12	0	5.55	<13	PASS
		12	6	5.45	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.6	<13	PASS
	HCH	1	0	4.16	<13	PASS
		1	12	3.96	<13	PASS
		1	24	3.81	<13	PASS
		12	0	5.09	<13	PASS
		12	6	4.91	<13	PASS
		12	13	4.85	<13	PASS
		25	0	4.93	<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	3.1	<13	PASS
		1	24	3.31	<13	PASS
		1	49	3.55	<13	PASS
		25	0	4.1	<13	PASS
		25	12	4.26	<13	PASS
		25	25	4.42	<13	PASS
		50	0	4.42	<13	PASS
	MCH	1	0	3.69	<13	PASS
		1	24	3.64	<13	PASS
		1	49	3.71	<13	PASS
		25	0	4.68	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.62	<13	PASS
		50	0	4.8	<13	PASS
	HCH	1	0	3.53	<13	PASS
		1	24	3.31	<13	PASS
		1	49	2.88	<13	PASS
		25	0	4.4	<13	PASS
		25	12	4.29	<13	PASS
		25	25	4.03	<13	PASS
		50	0	4.33	<13	PASS
16QAM	LCH	1	0	4.09	<13	PASS
		1	24	4.25	<13	PASS
		1	49	4.51	<13	PASS

		25	0	5.03	<13	PASS
		25	12	5.18	<13	PASS
		25	25	5.29	<13	PASS
		50	0	5.29	<13	PASS
	MCH	1	0	4.6	<13	PASS
		1	24	4.59	<13	PASS
		1	49	4.69	<13	PASS
		25	0	5.59	<13	PASS
		25	12	5.58	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.65	<13	PASS
		50	0	5.65	<13	PASS
	HCH	1	0	4.56	<13	PASS
		1	24	4.35	<13	PASS
		1	49	3.89	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.27	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.27	<13	PASS
		50	0	5.27	<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	4.87	<13	PASS
		1	37	3.38	<13	PASS
		1	74	3.87	<13	PASS
		37	0	4.17	<13	PASS
		37	18	4.28	<13	PASS
		37	38	4.55	<13	PASS
		75	0	4.79	<13	PASS
	MCH	1	0	3.82	<13	PASS
		1	37	3.74	<13	PASS
		1	74	3.88	<13	PASS
		37	0	4.65	<13	PASS
		37	18	4.63	<13	PASS
		37	38	4.66	<13	PASS
		75	0	5.02	<13	PASS
	HCH	1	0	3.67	<13	PASS
		1	37	3.41	<13	PASS
		1	74	2.92	<13	PASS
		37	0	4.42	<13	PASS

		37	18	4.28	<13	PASS
		37	38	4.01	<13	PASS
		75	0	4.64	<13	PASS
16QAM	LCH	1	0	4.21	<13	PASS
		1	37	4.46	<13	PASS
		1	74	4.83	<13	PASS
		37	0	5.17	<13	PASS
		37	18	5.27	<13	PASS
		37	38	5.54	<13	PASS
		75	0	5.66	<13	PASS
	MCH	1	0	4.74	<13	PASS
		1	37	4.66	<13	PASS
		1	74	4.84	<13	PASS
		37	0	5.62	<13	PASS
		37	18	5.66	<13	PASS
		37	38	5.64	<13	PASS
		75	0	5.89	<13	PASS
	HCH	1	0	4.53	<13	PASS
		1	37	4.28	<13	PASS
		1	74	3.89	<13	PASS
		37	0	5.43	<13	PASS
		37	18	5.27	<13	PASS
		37	38	5.09	<13	PASS
		75	0	5.54	<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	3.24	<13	PASS
		1	49	3.49	<13	PASS
		1	99	3.86	<13	PASS
		50	0	4.46	<13	PASS
		50	25	4.55	<13	PASS
		50	50	4.8	<13	PASS
		100	0	4.99	<13	PASS
	MCH	1	0	3.83	<13	PASS
		1	49	3.7	<13	PASS
		1	99	3.94	<13	PASS
		50	0	4.8	<13	PASS
		50	25	4.76	<13	PASS

		50	50	4.86	<13	PASS
		100	0	5.12	<13	PASS
	HCH	1	0	3.76	<13	PASS
		1	49	3.43	<13	PASS
		1	99	3.07	<13	PASS
		50	0	4.63	<13	PASS
		50	25	4.48	<13	PASS
		50	50	4.37	<13	PASS
		100	0	4.91	<13	PASS
16QAM	LCH	1	0	4.23	<13	PASS
		1	49	4.14	<13	PASS
		1	99	4.78	<13	PASS
		50	0	5.29	<13	PASS
		50	25	5.42	<13	PASS
		50	50	5.68	<13	PASS
		100	0	5.76	<13	PASS
	MCH	1	0	4.67	<13	PASS
		1	49	4.59	<13	PASS
		1	99	4.76	<13	PASS
		50	0	5.68	<13	PASS
		50	25	5.62	<13	PASS
		50	50	5.74	<13	PASS
		100	0	5.94	<13	PASS
	HCH	1	0	4.64	<13	PASS
		1	49	4.52	<13	PASS
		1	99	4.09	<13	PASS
		50	0	5.5	<13	PASS
		50	25	5.41	<13	PASS
		50	50	5.29	<13	PASS
		100	0	5.74	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



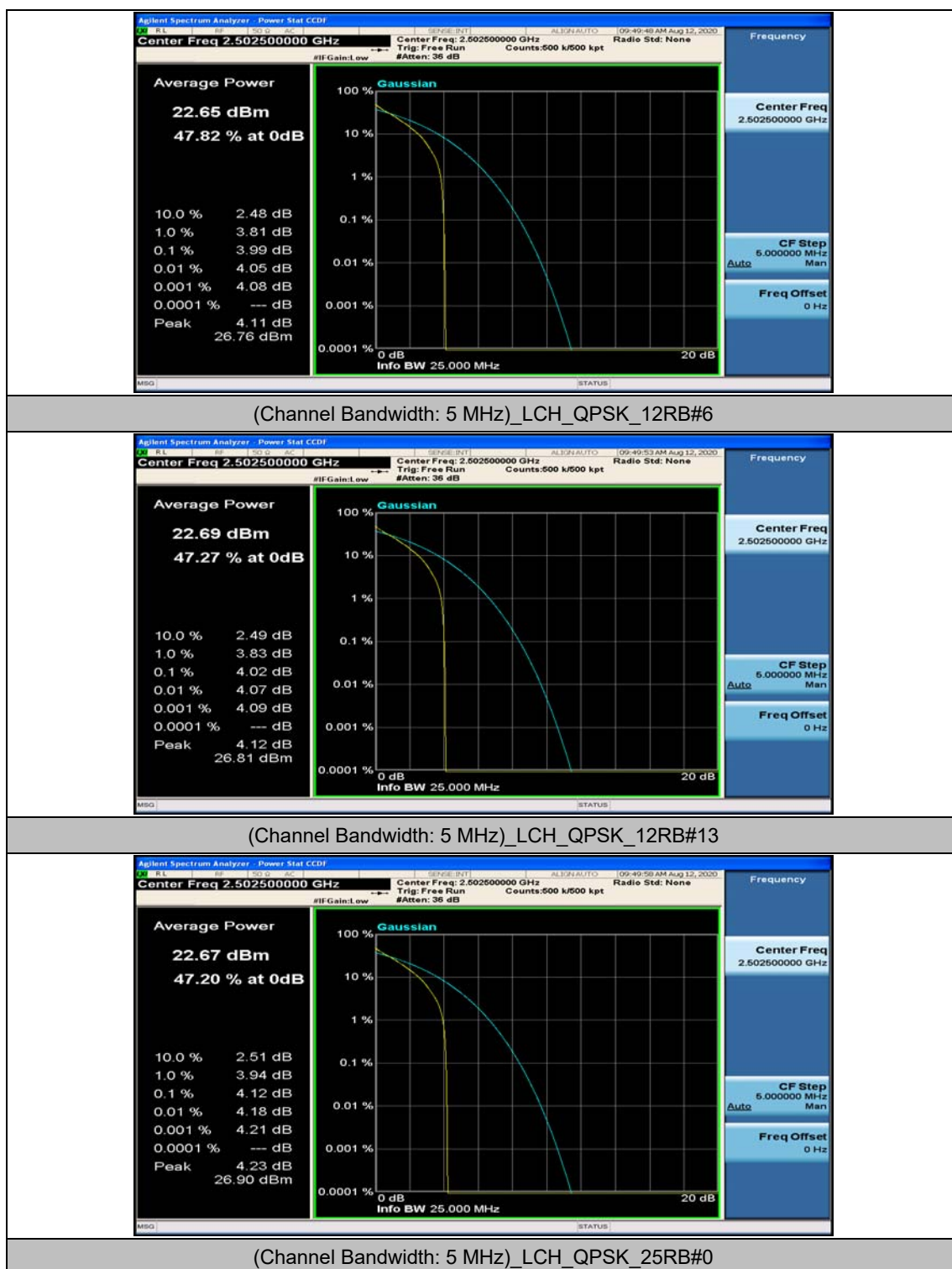
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

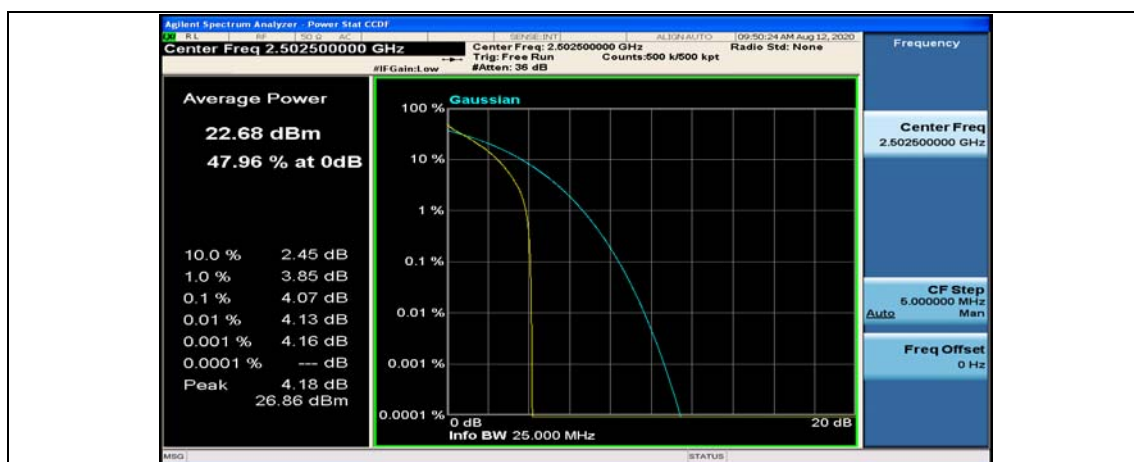


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

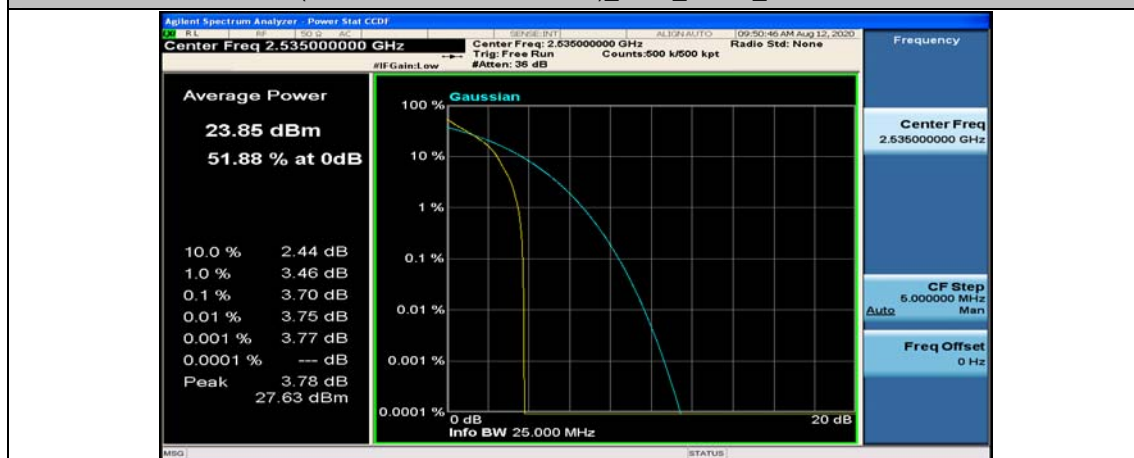




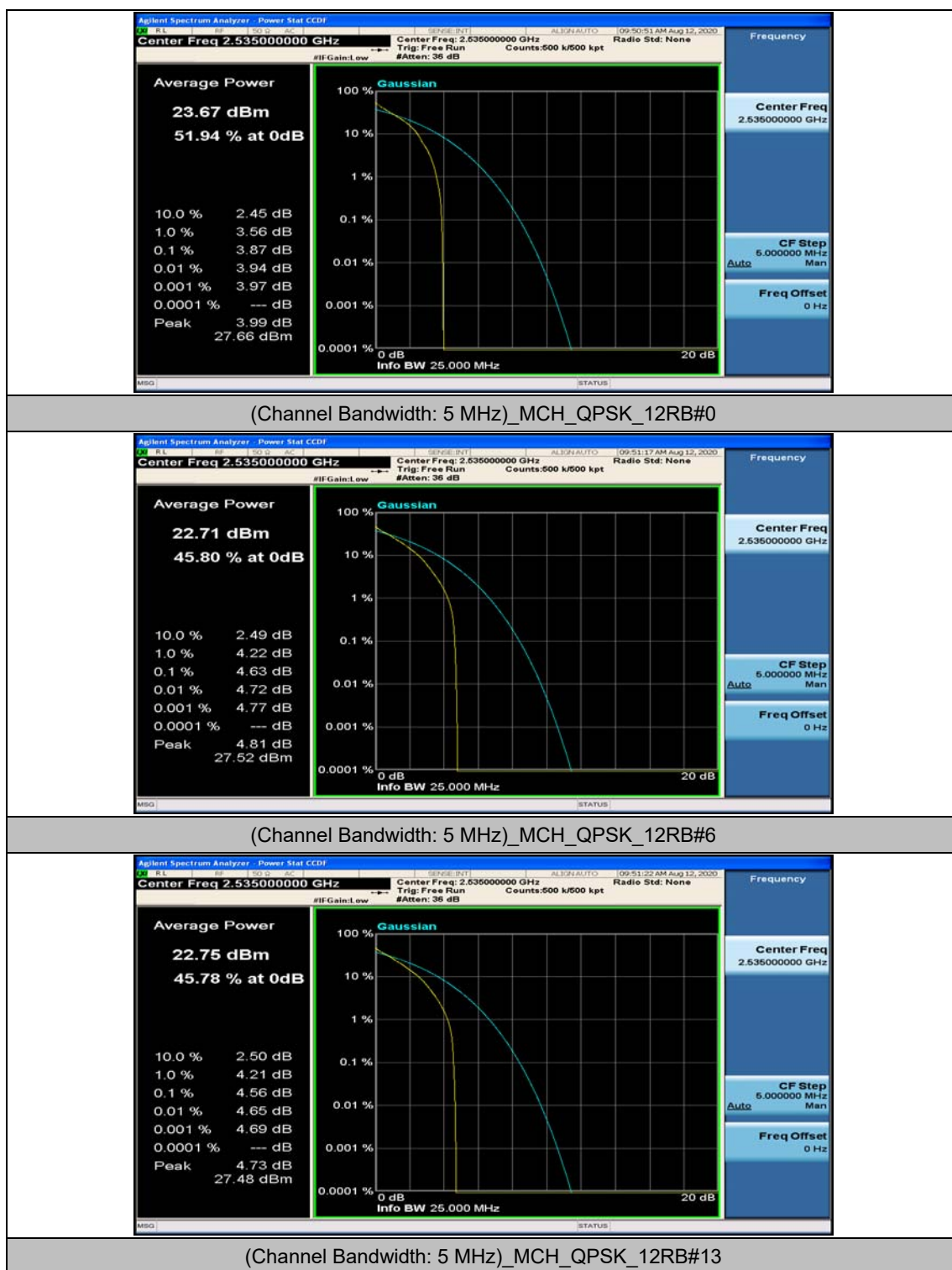
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

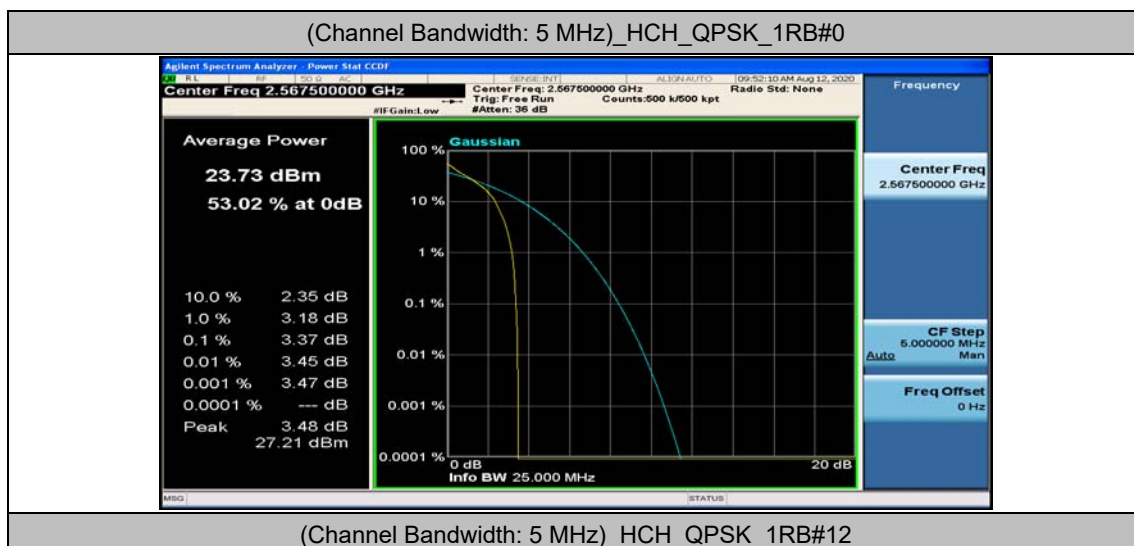
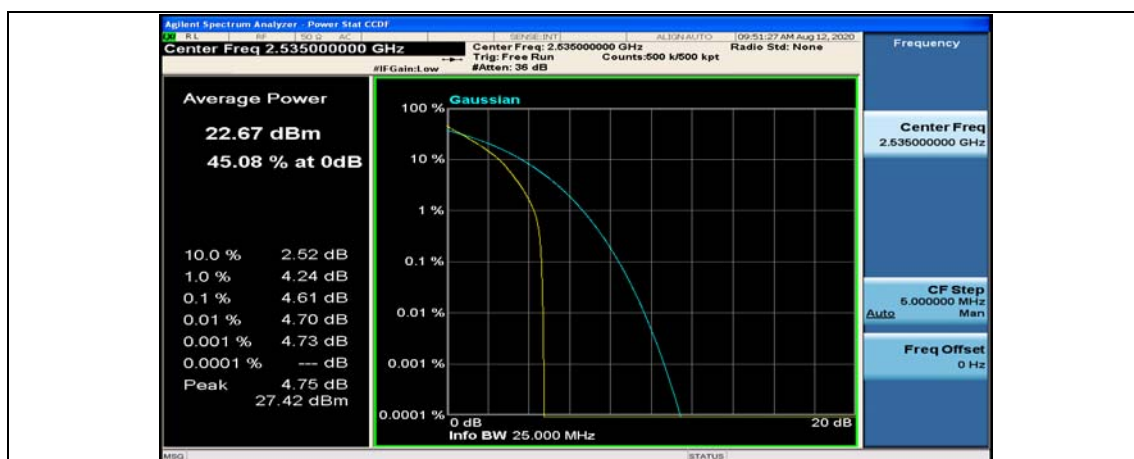


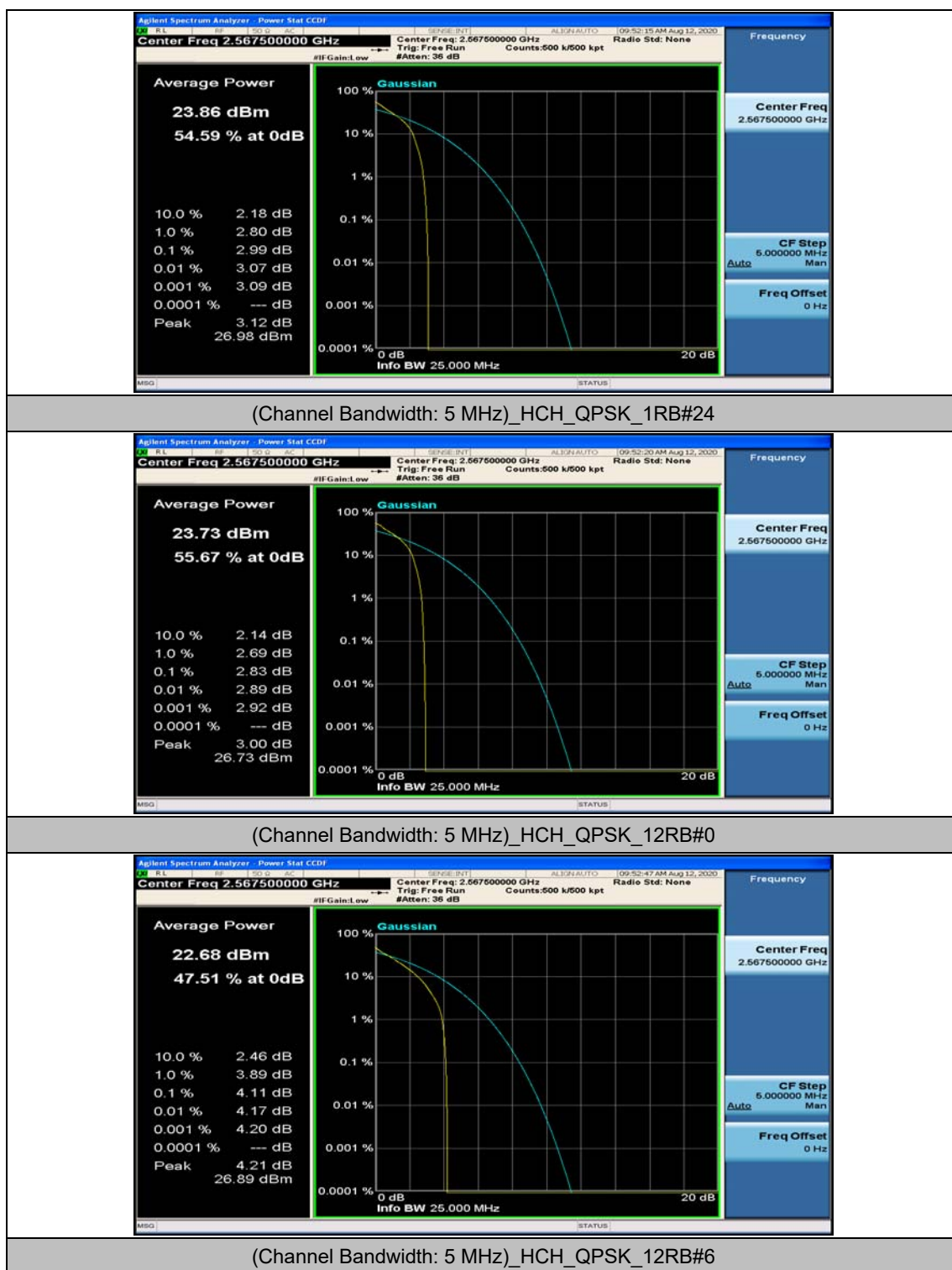
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

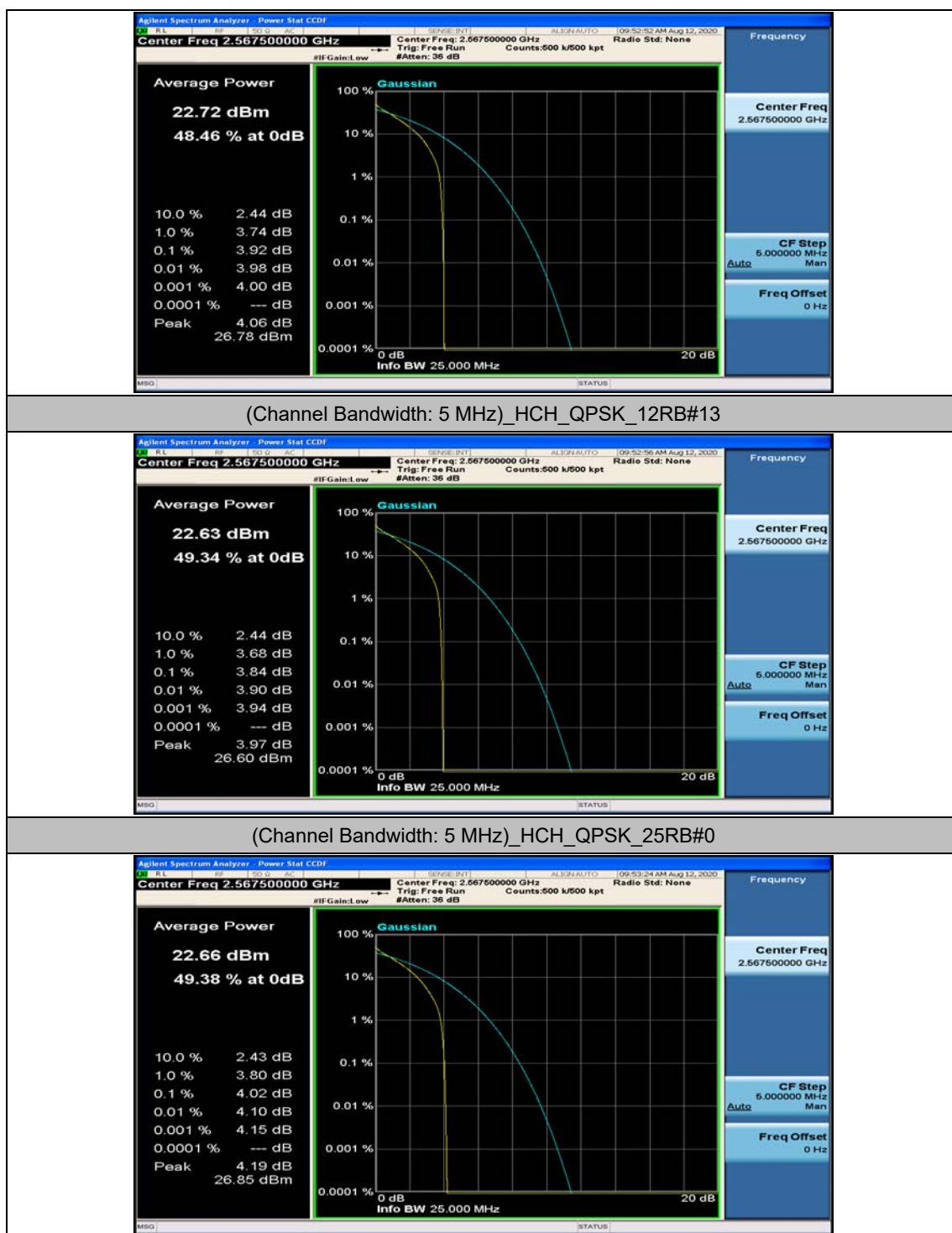


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

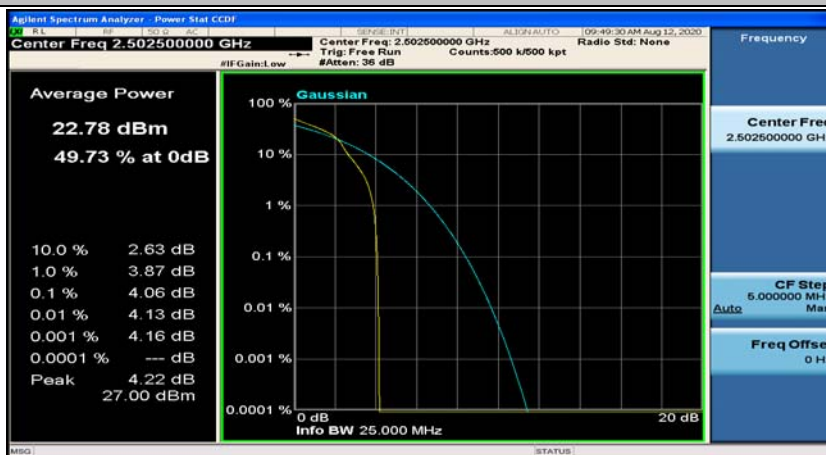








(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



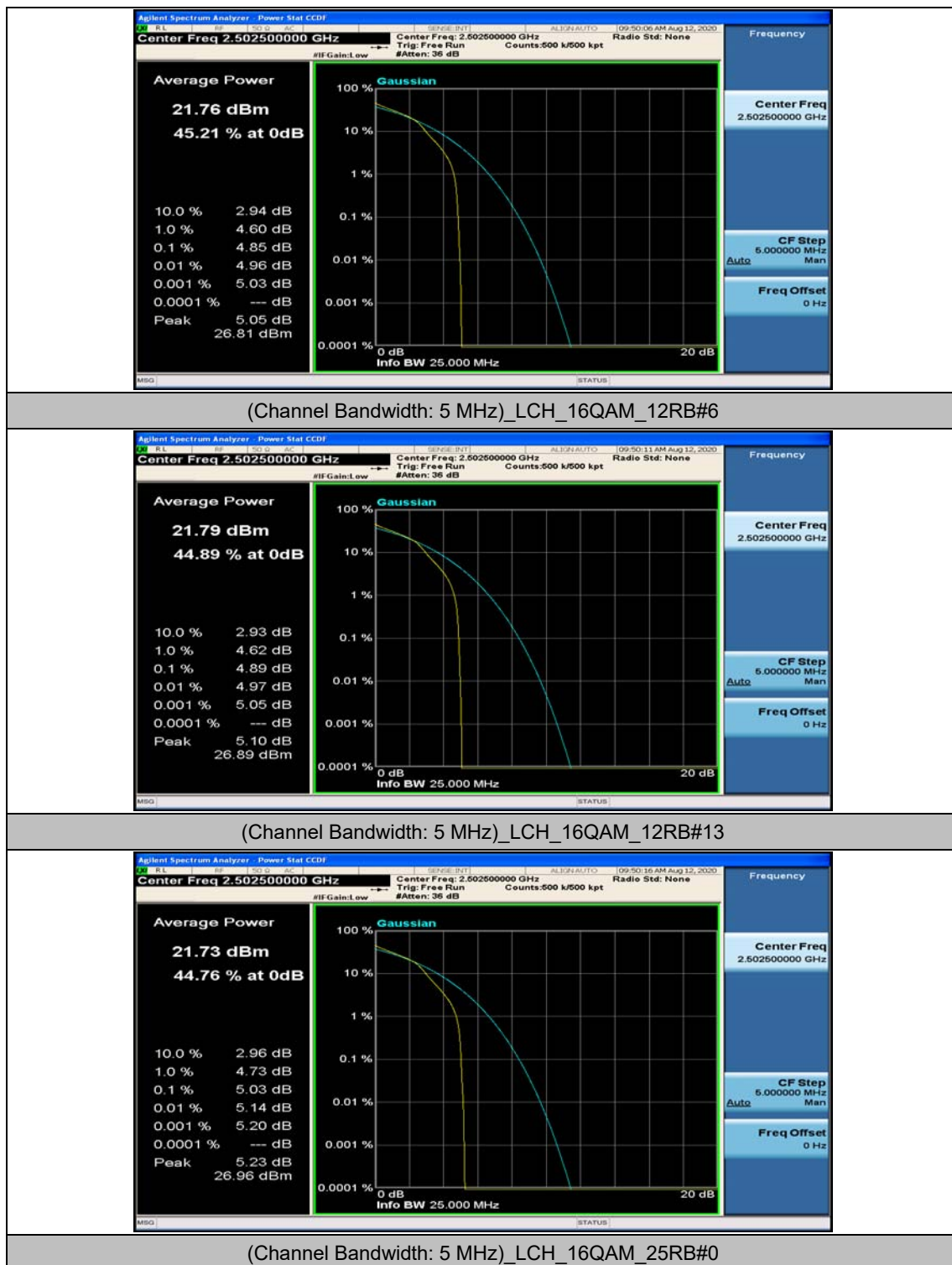
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

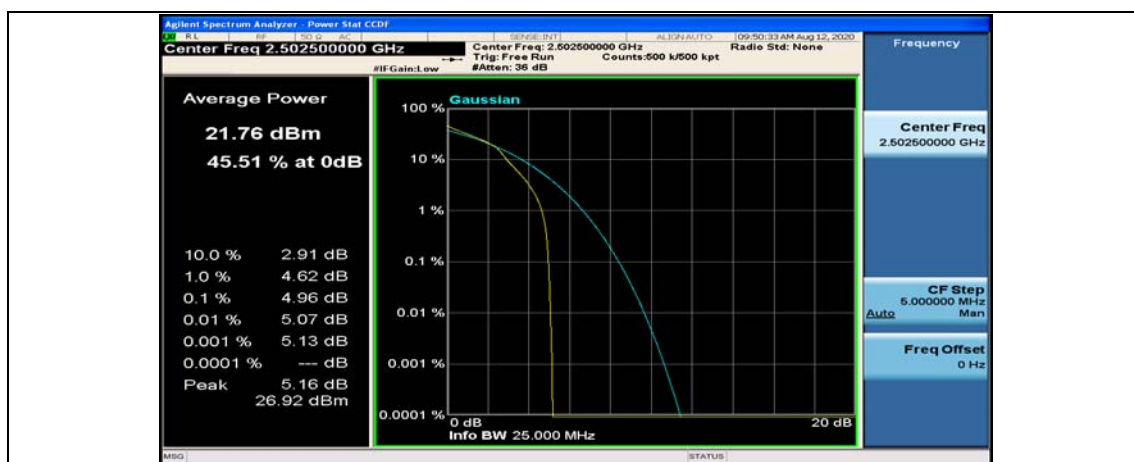


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0





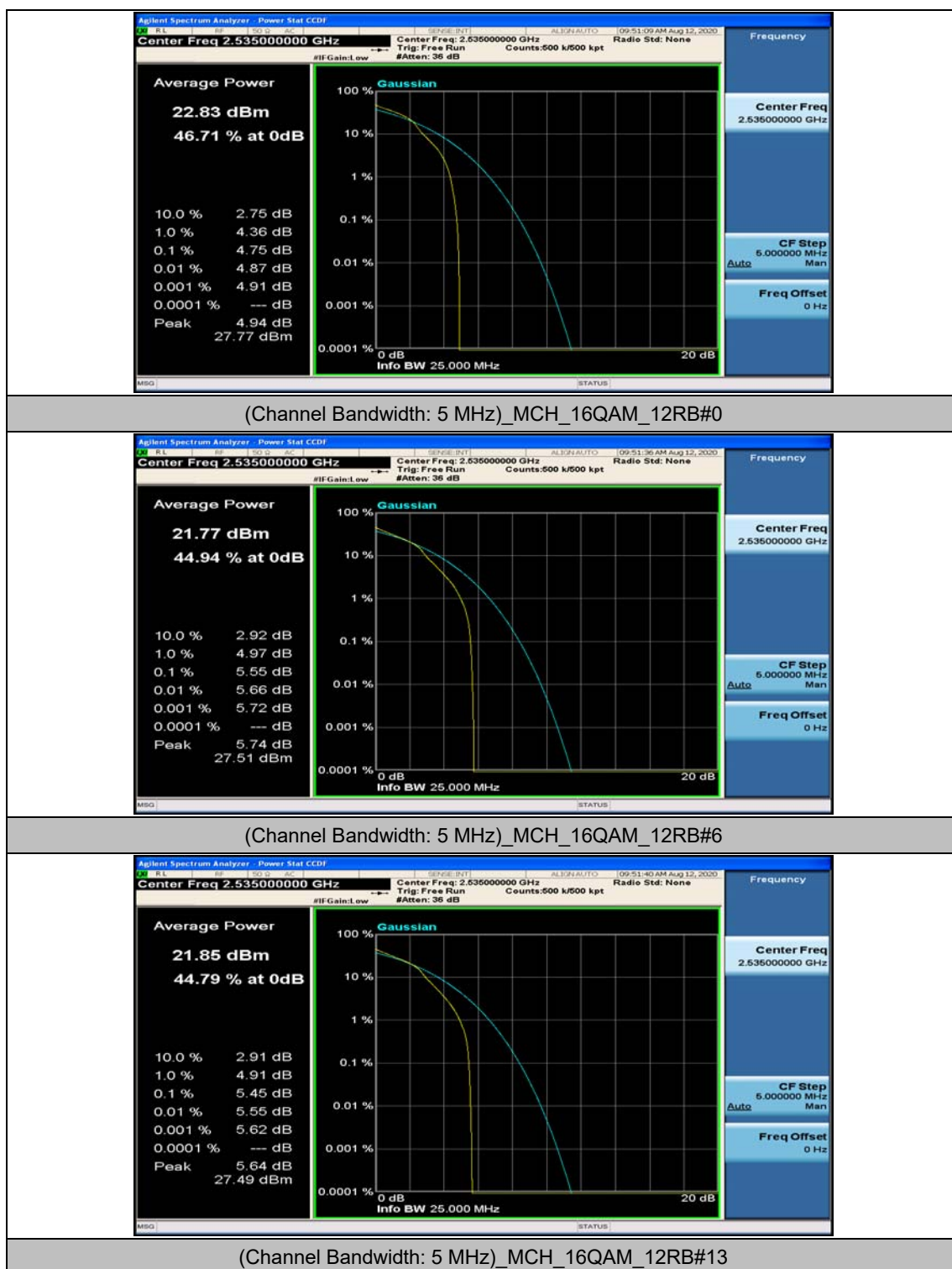
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

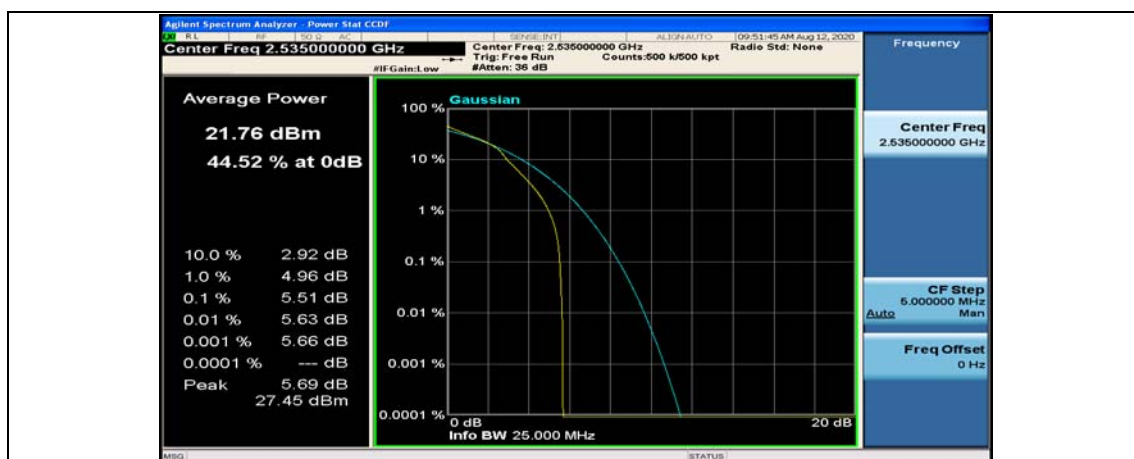


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

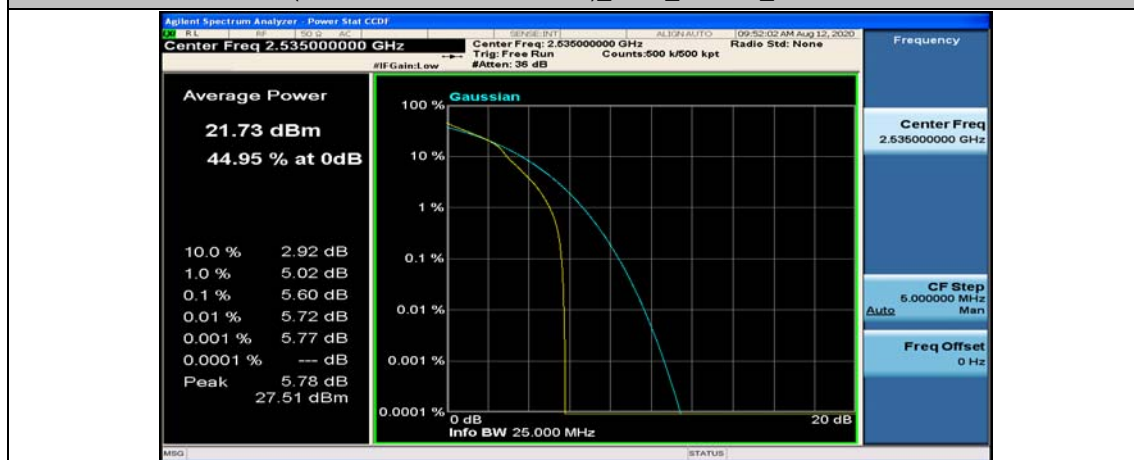


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24





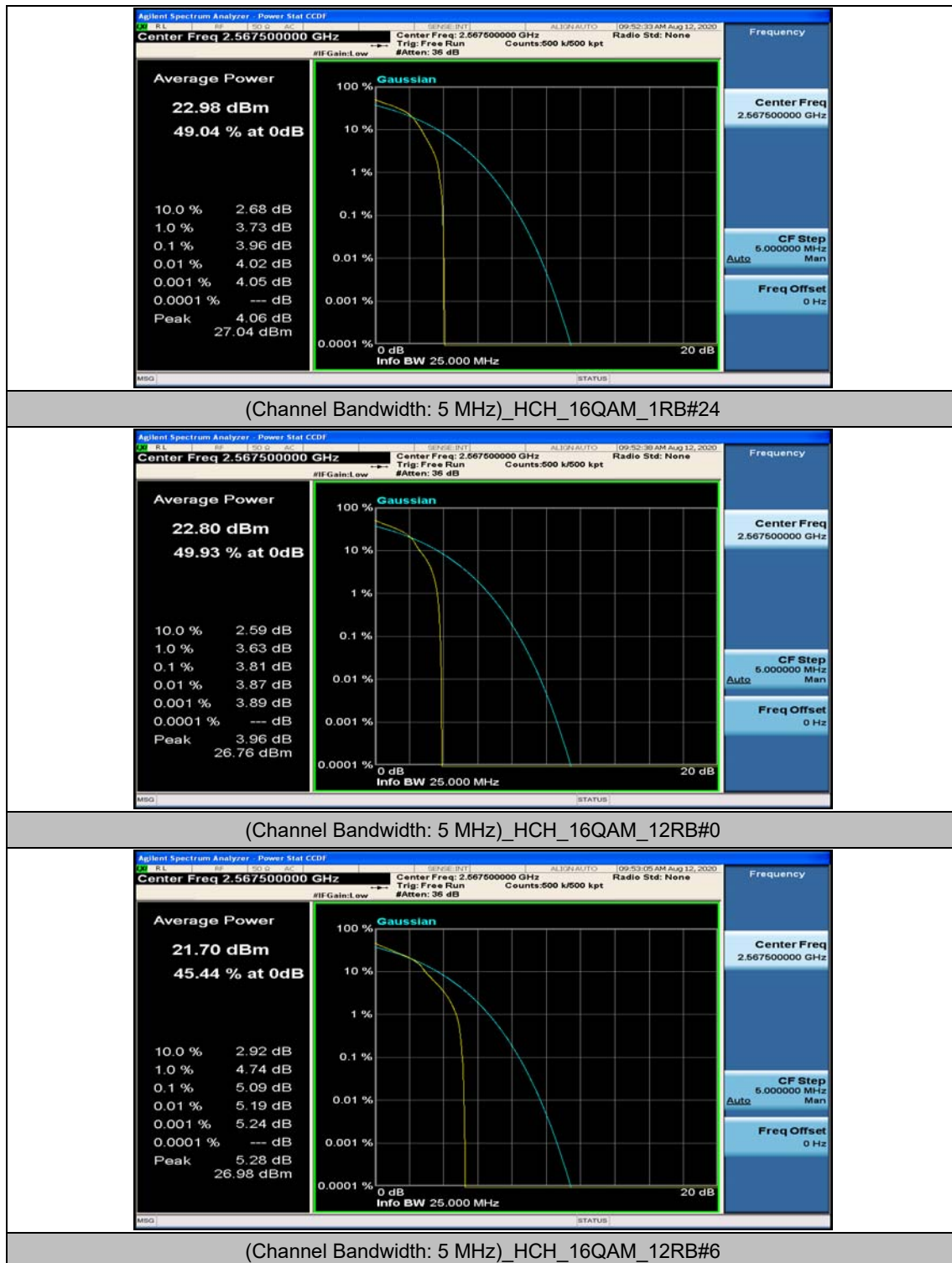
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

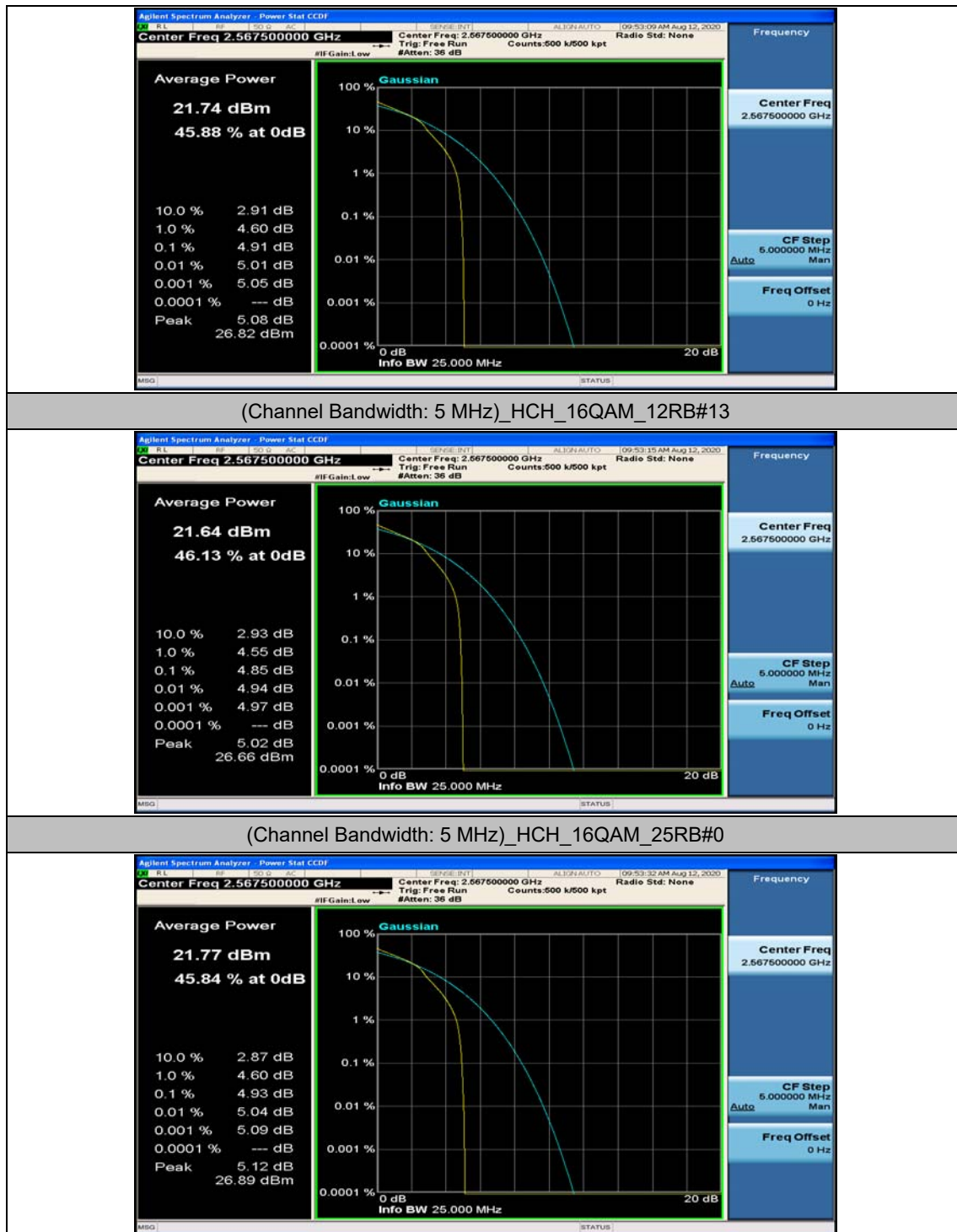


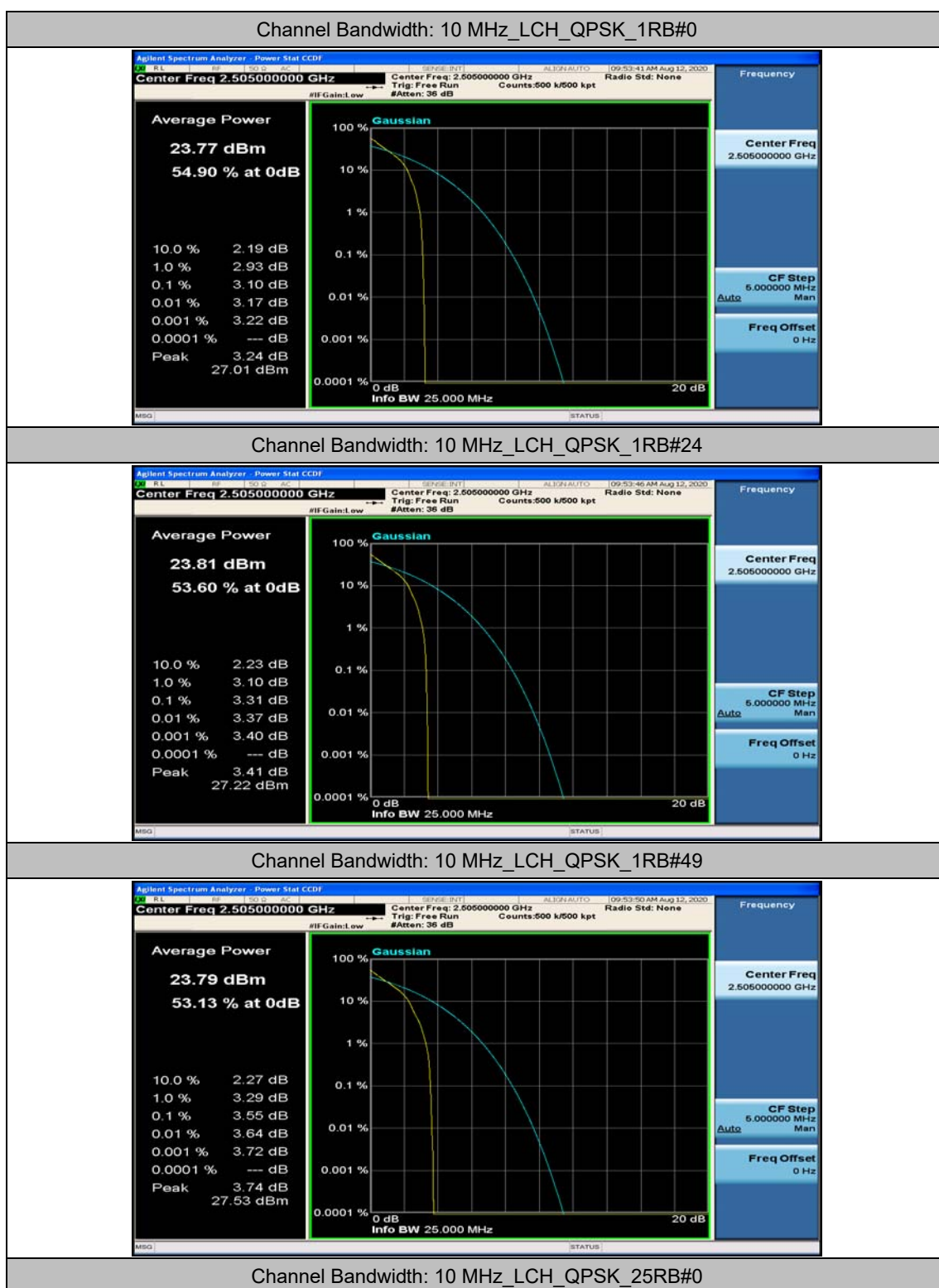
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

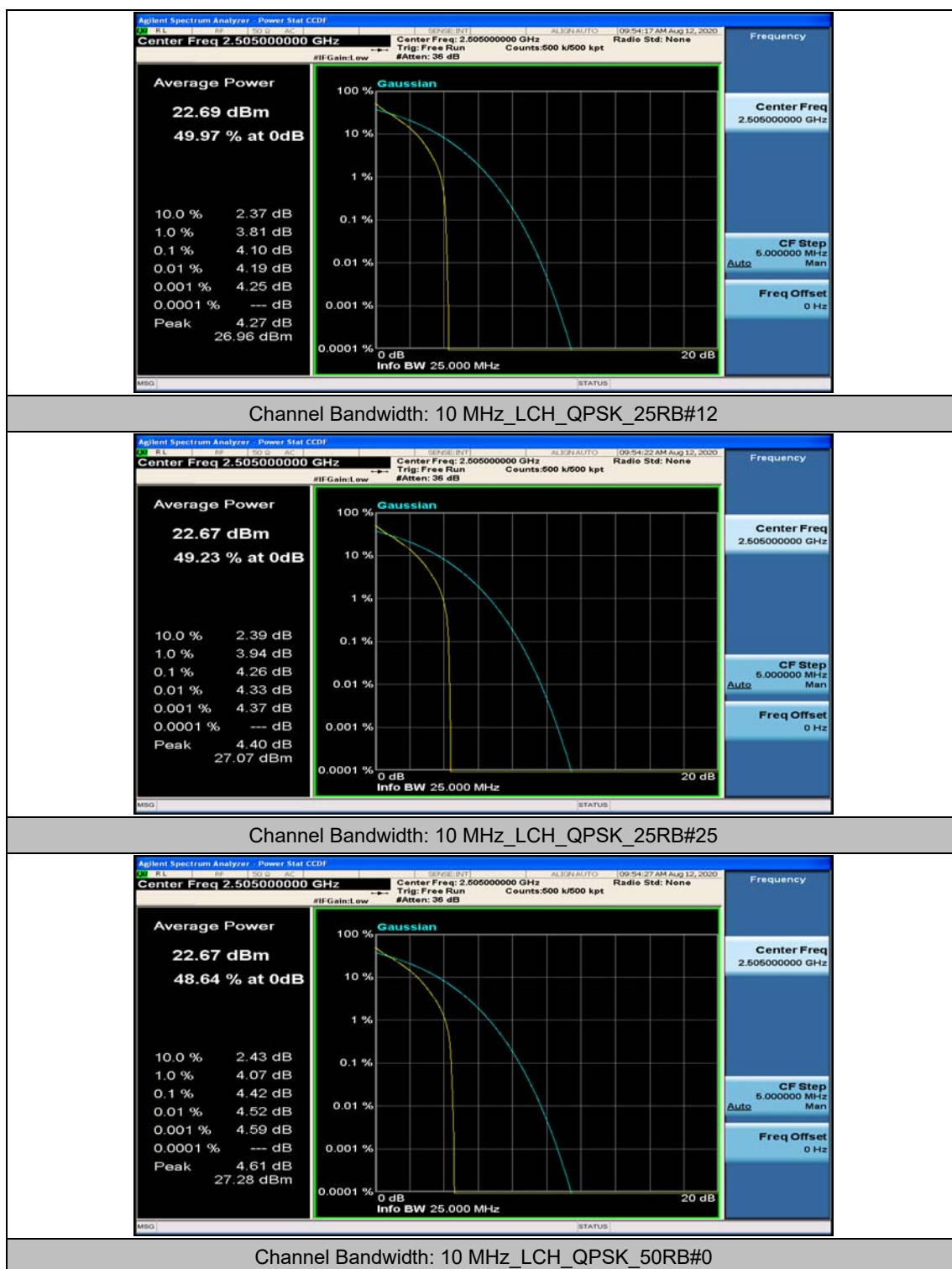


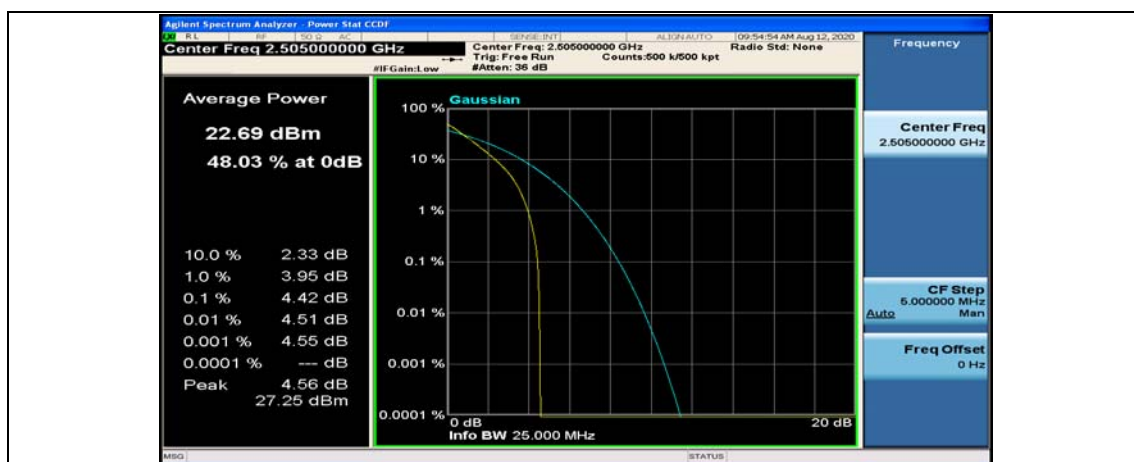
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12





Channel Bandwidth: 10 MHz

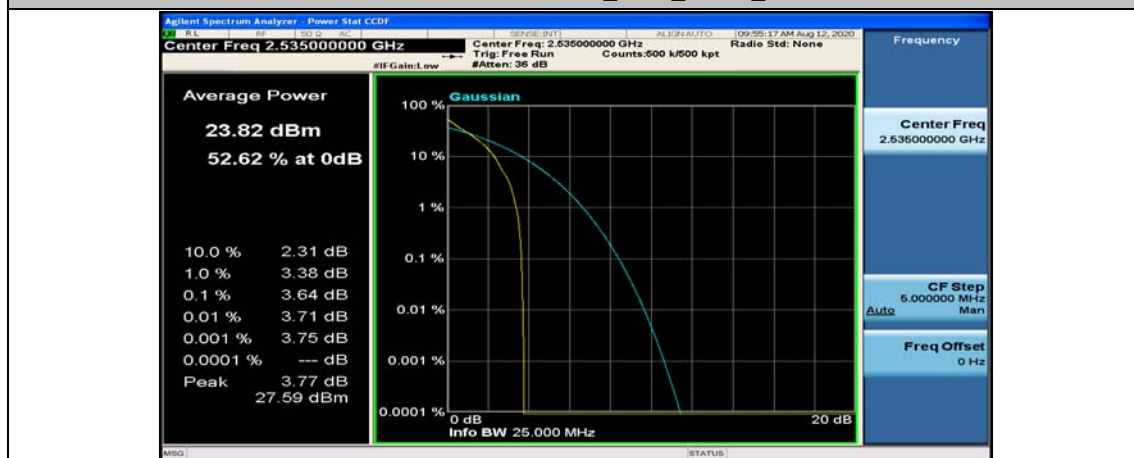




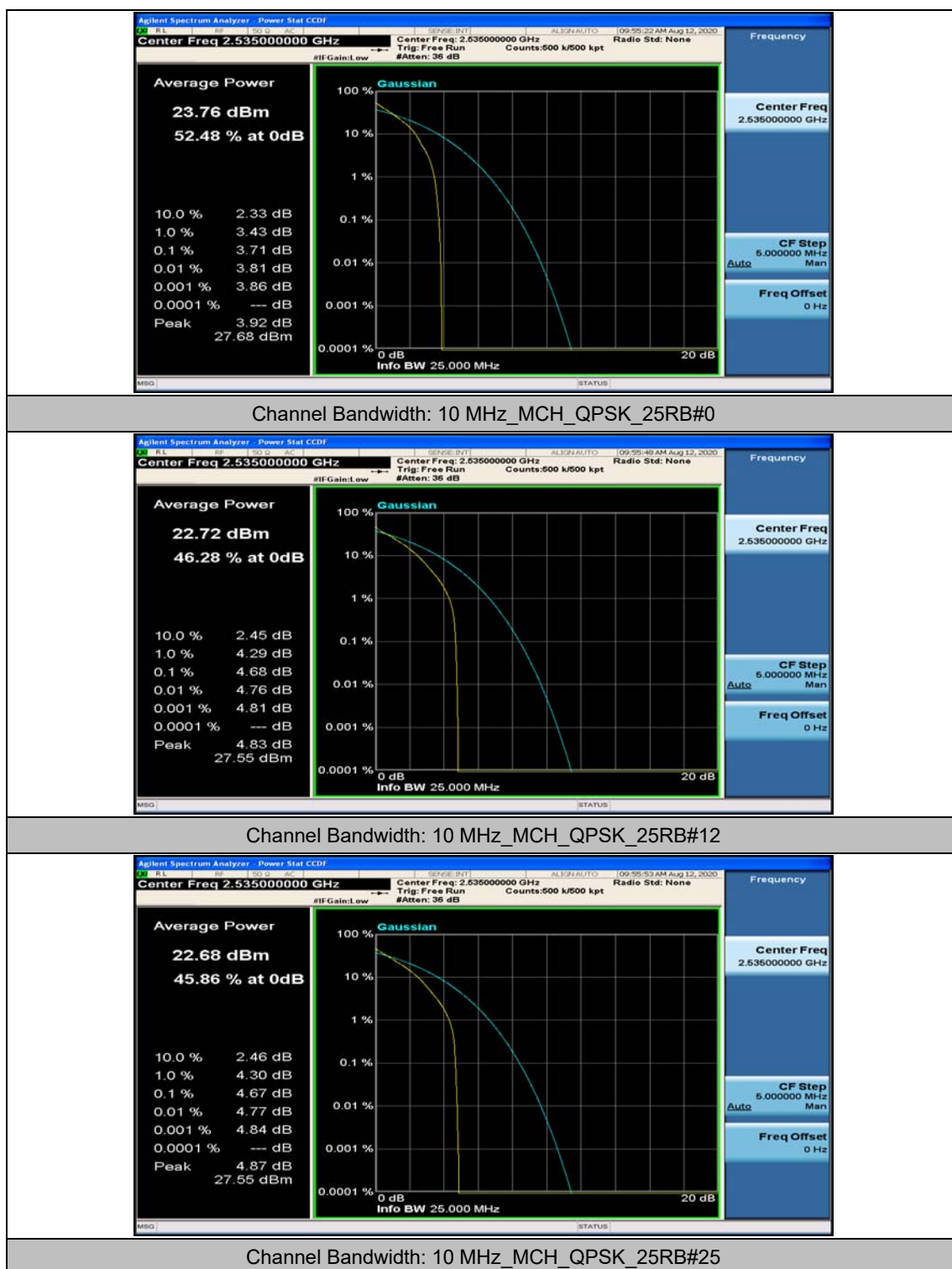
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

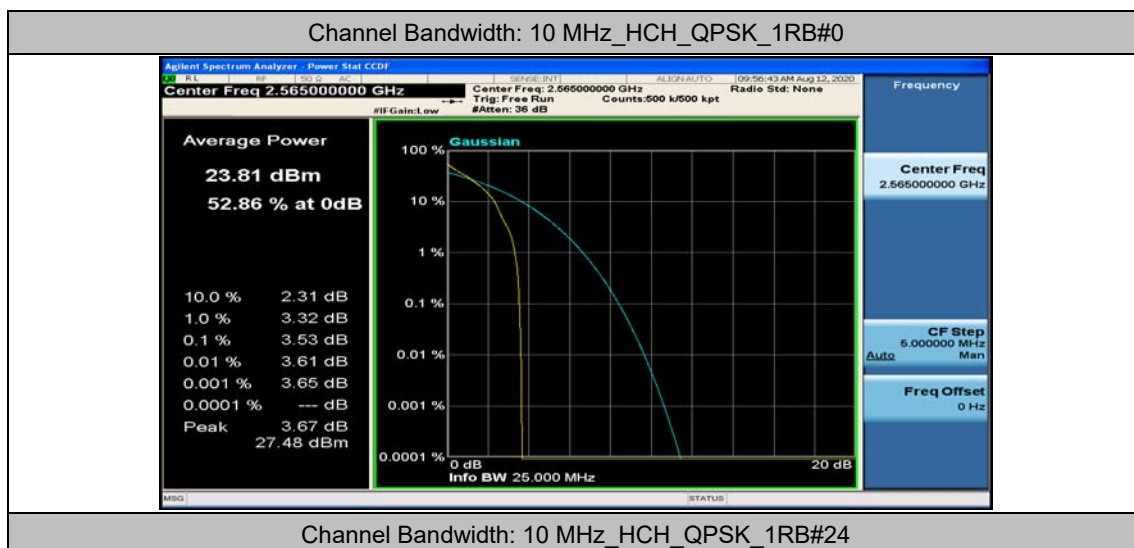
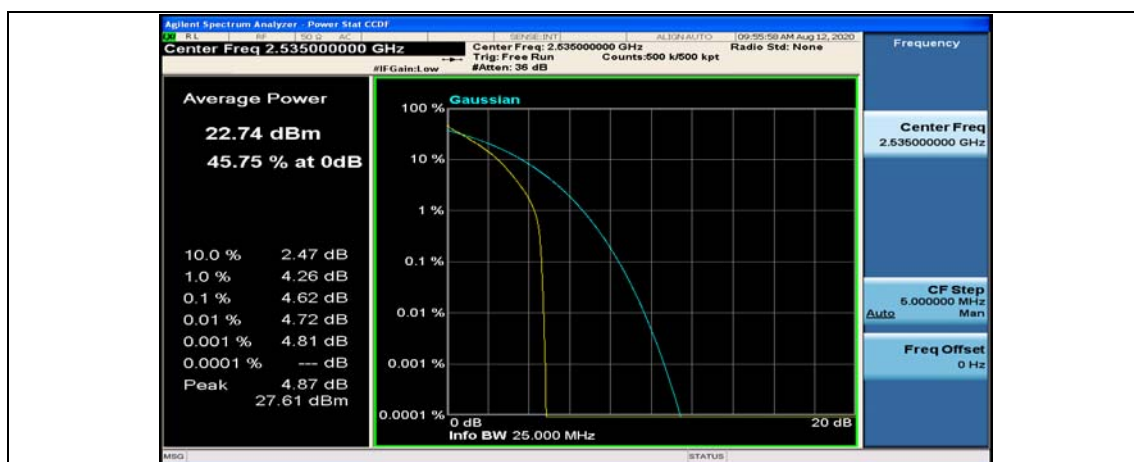


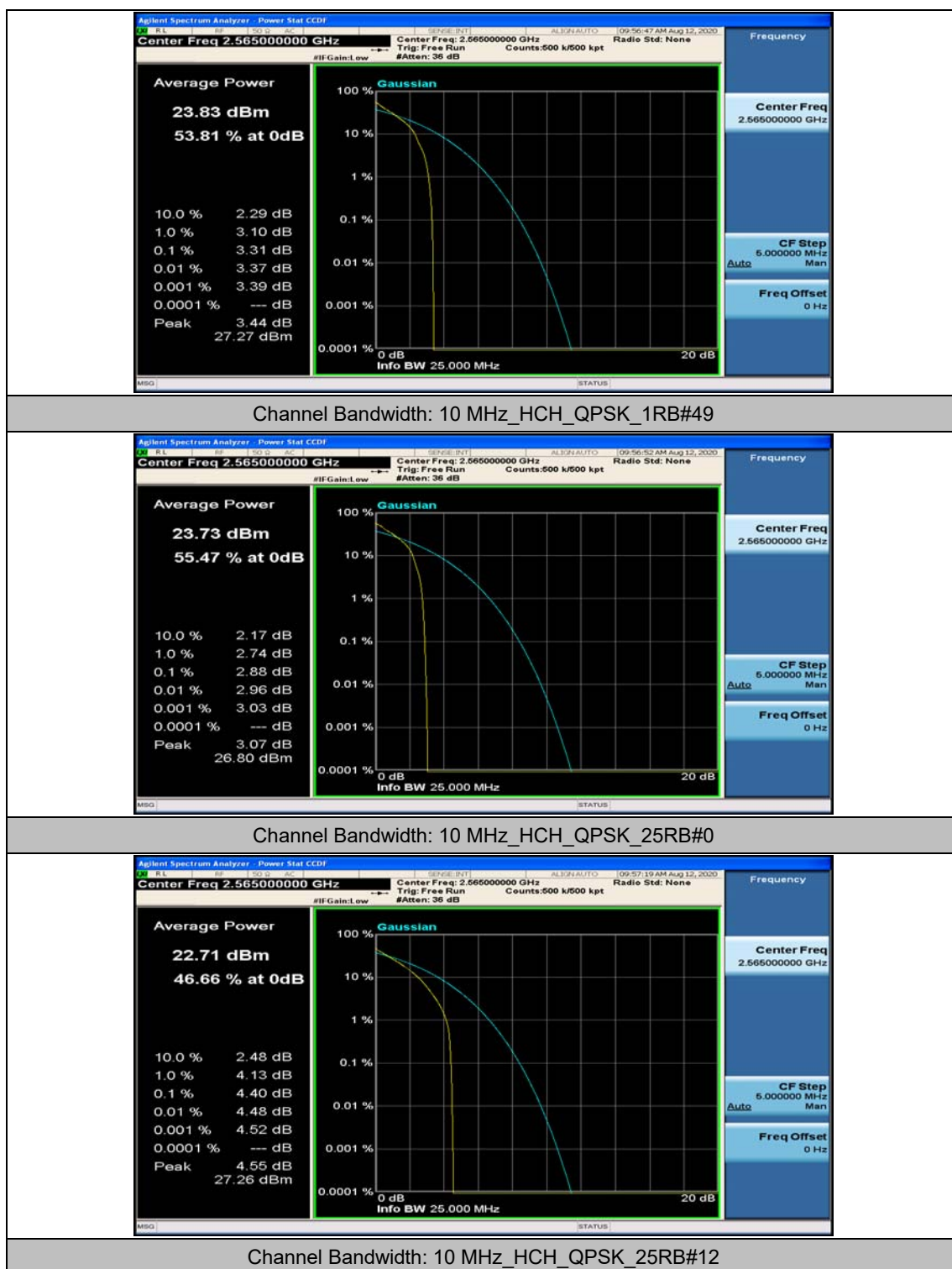
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

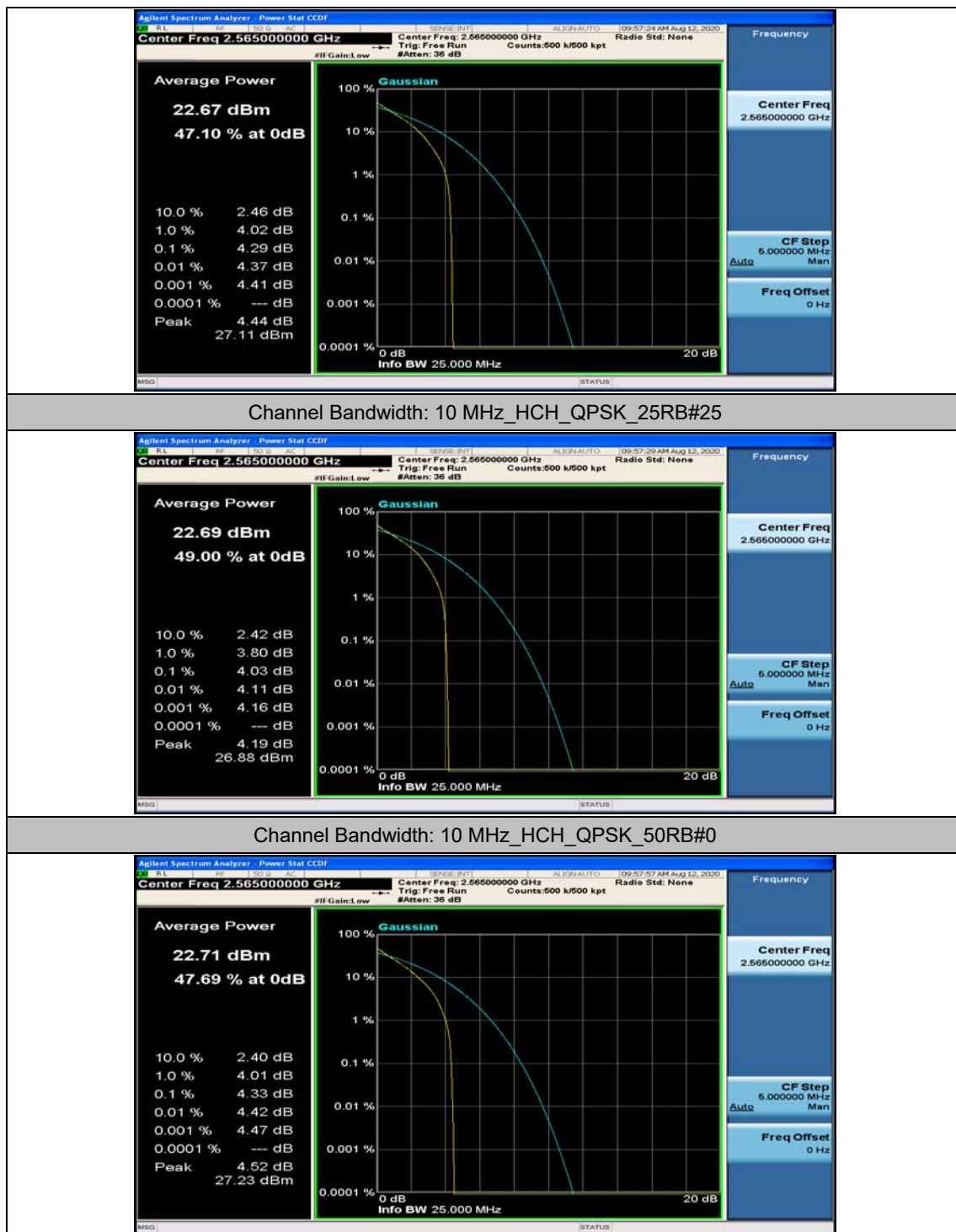


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49









Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



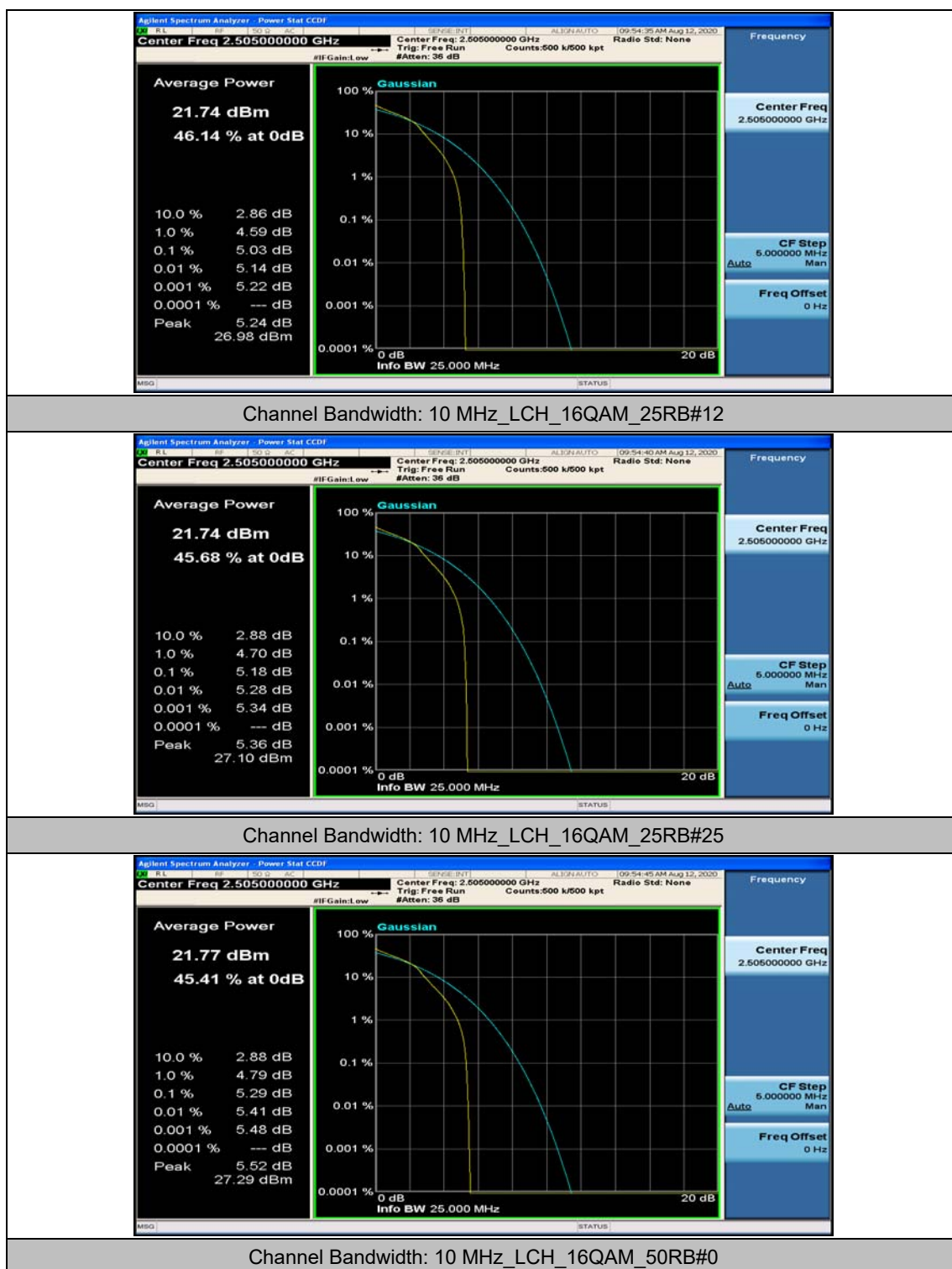
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

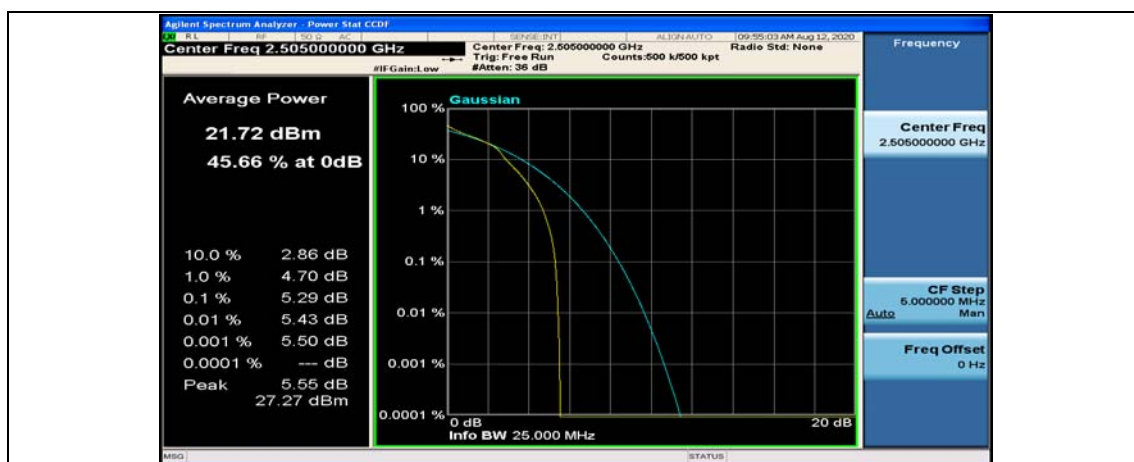


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





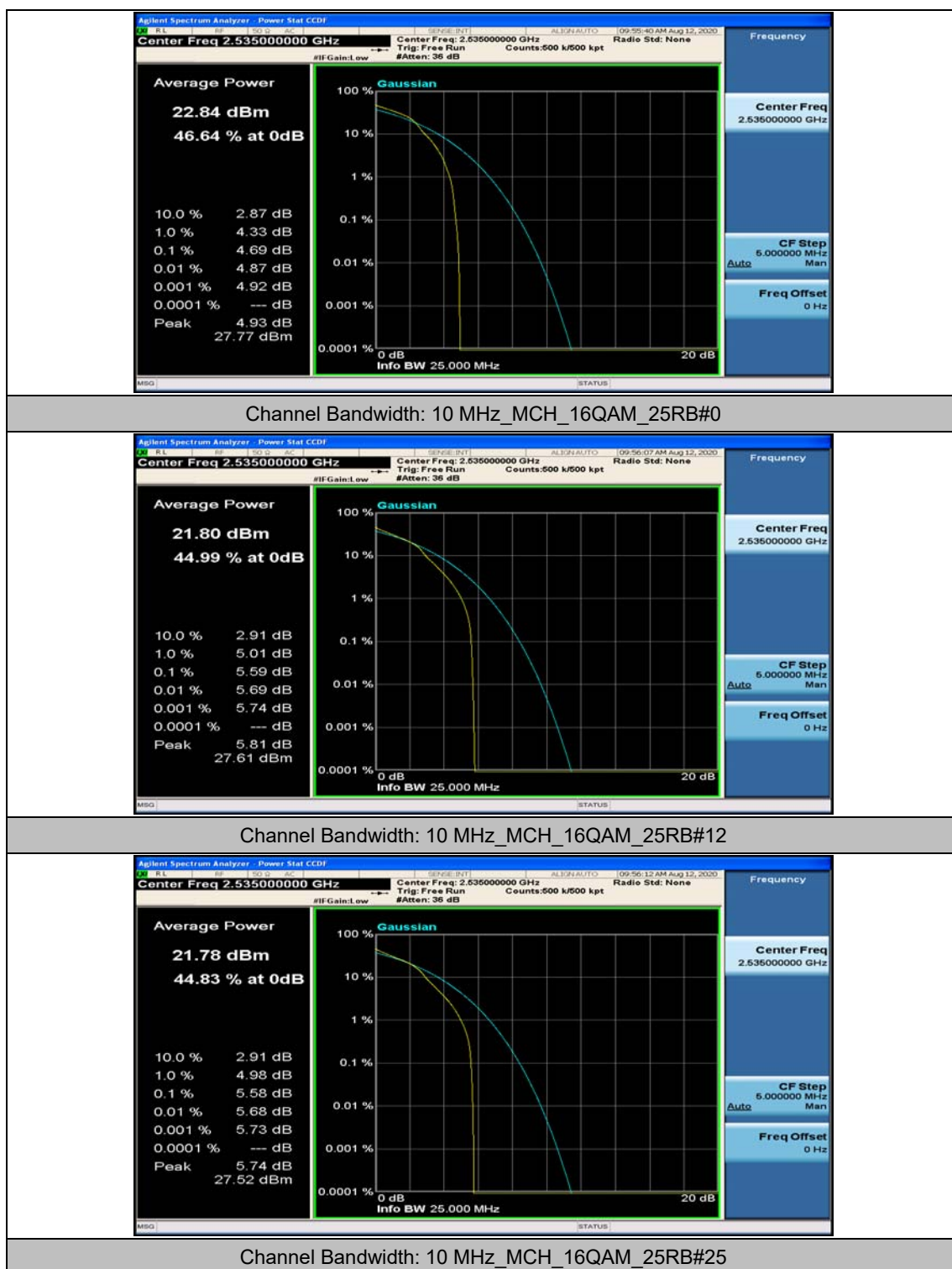
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

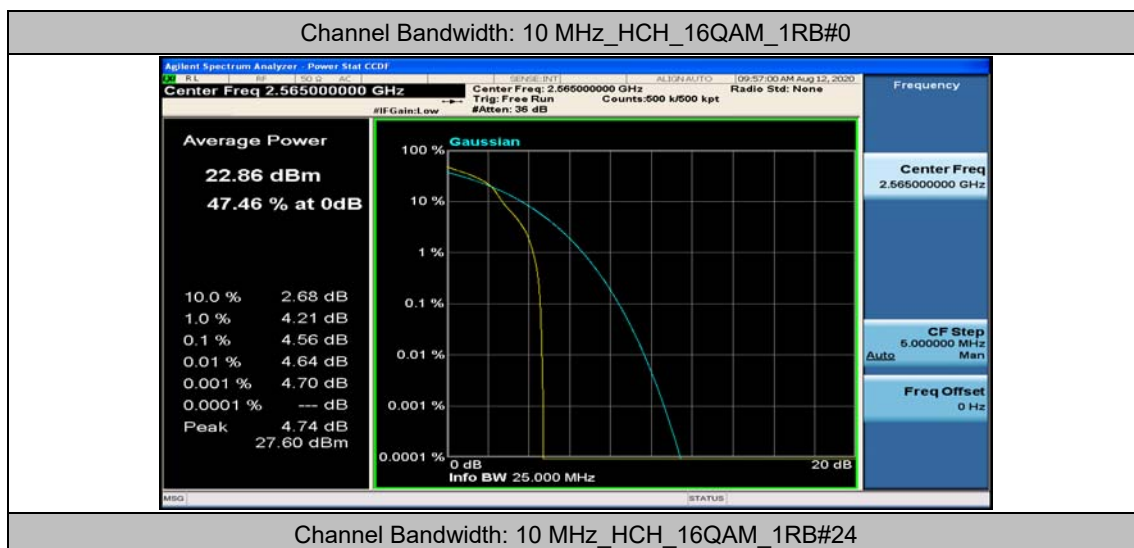
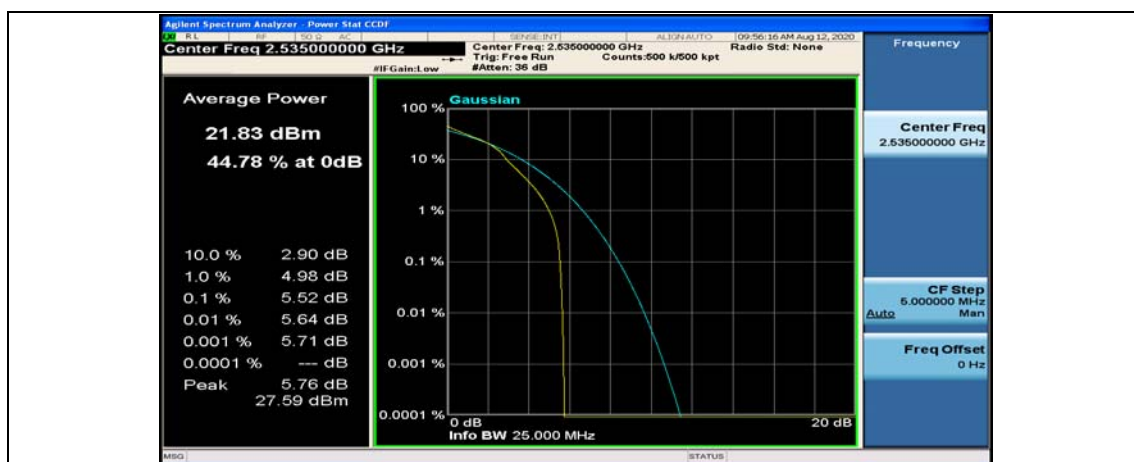


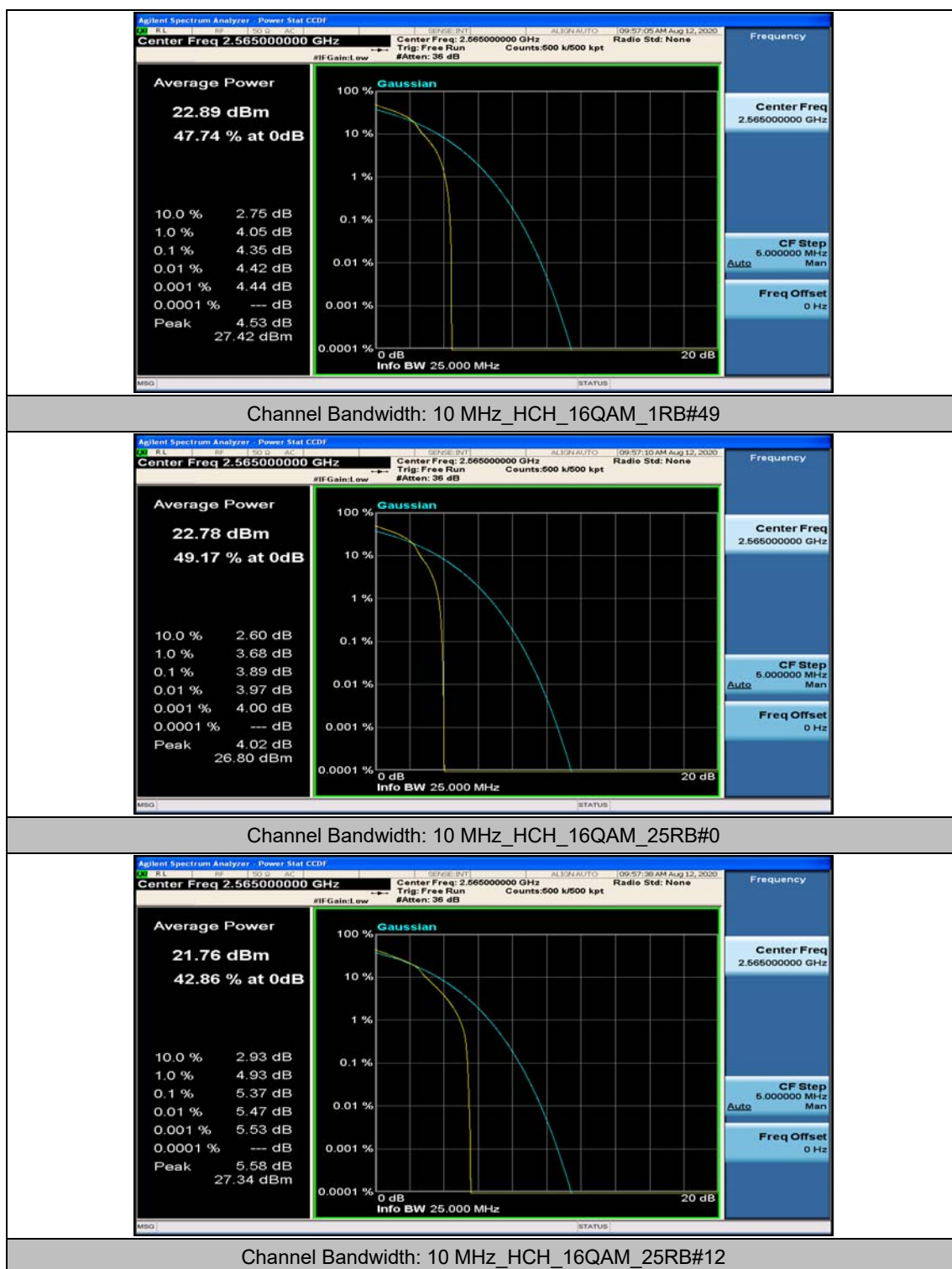
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

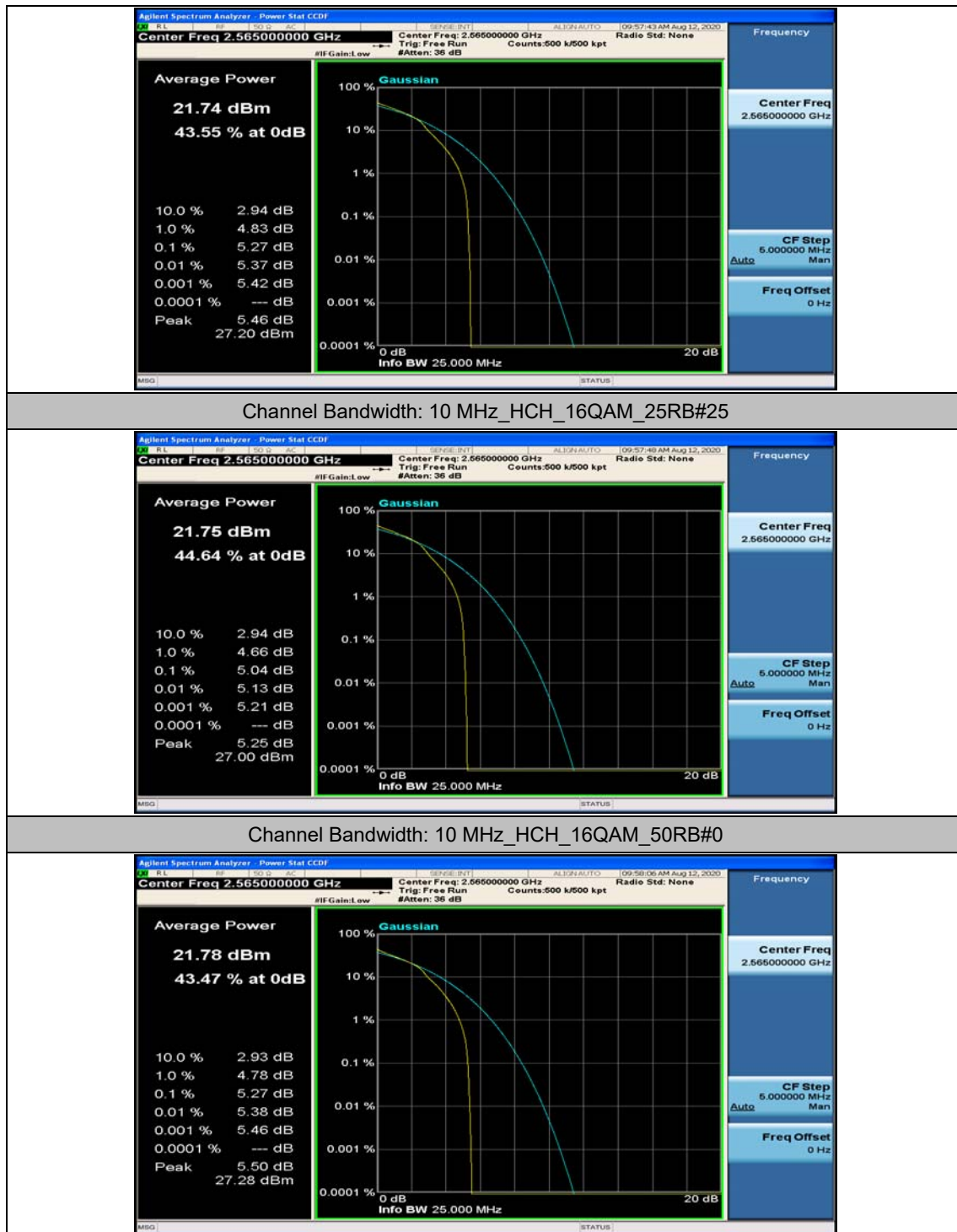


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



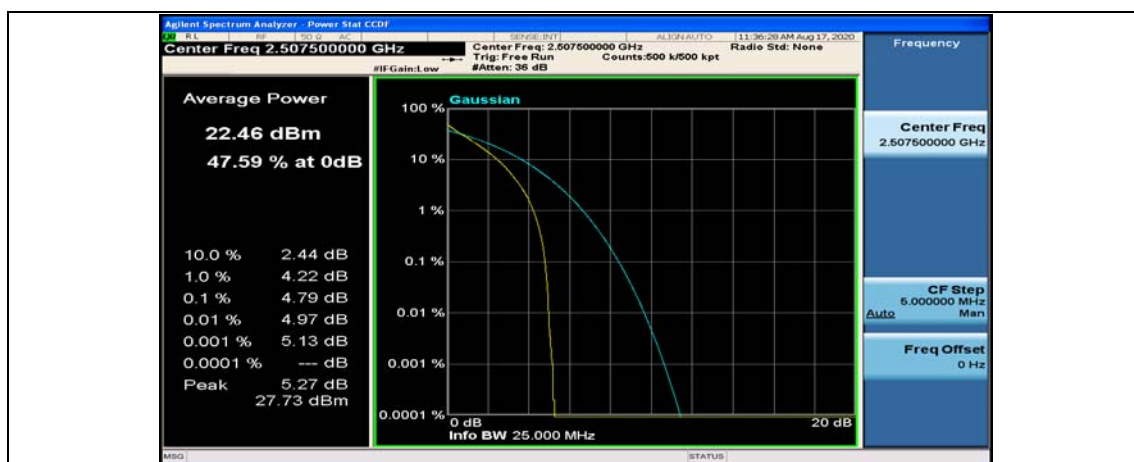
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37



(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74



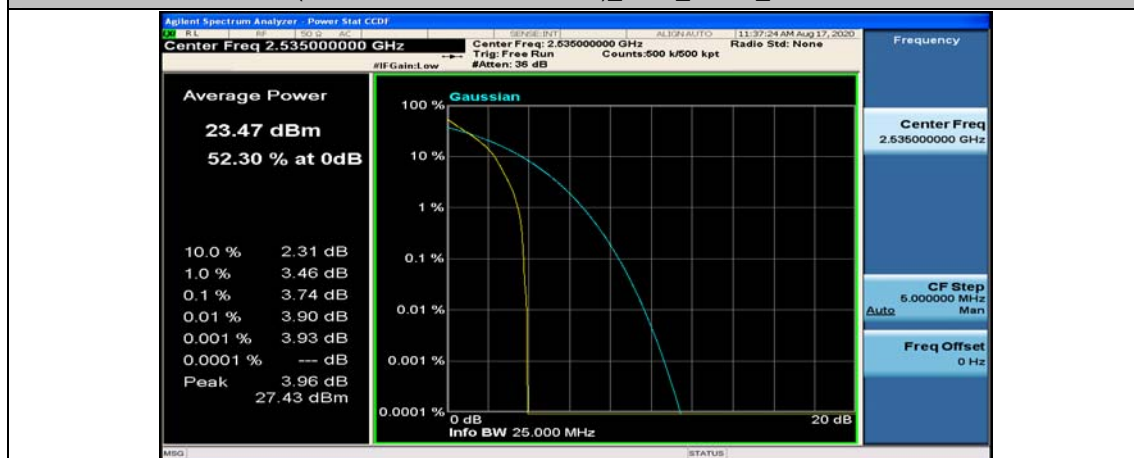
(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



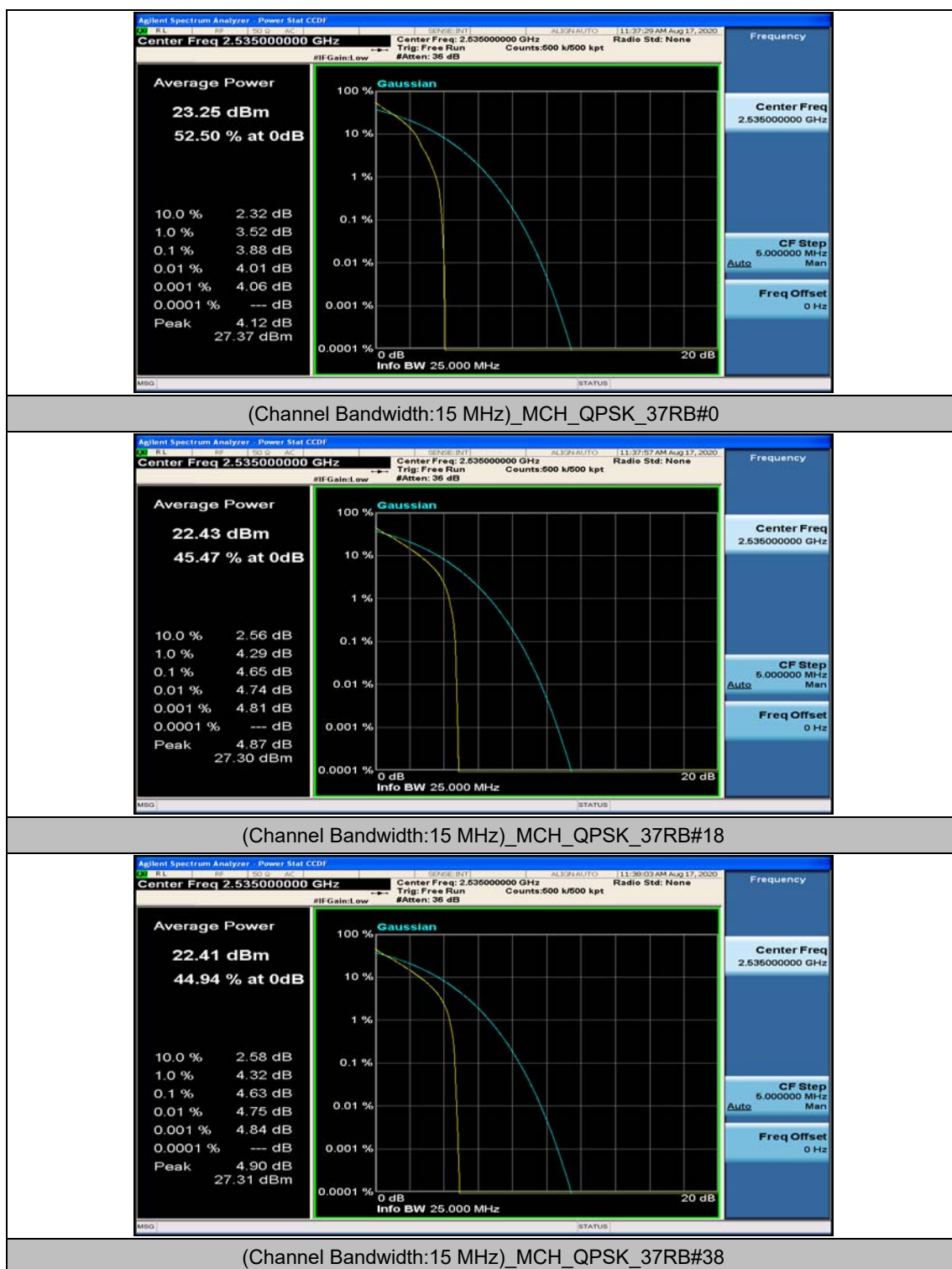
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

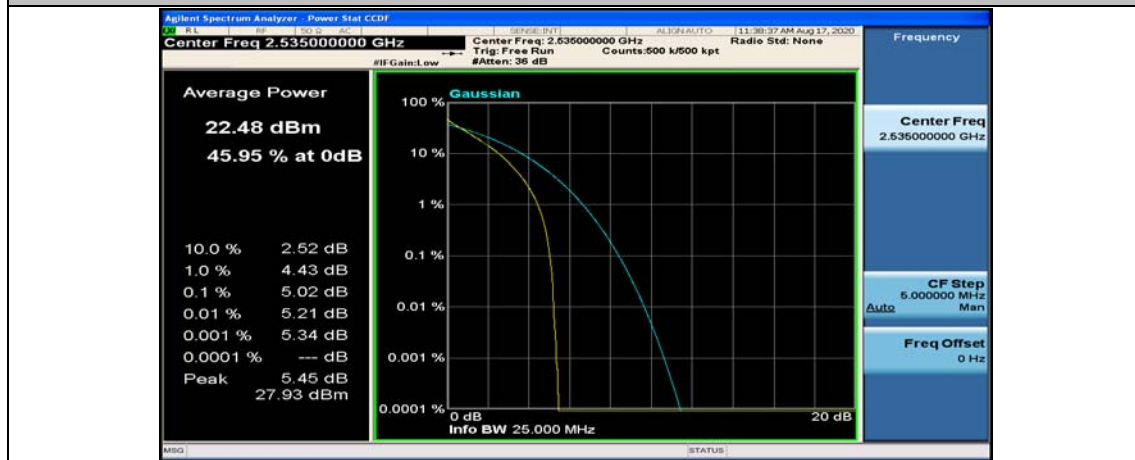


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74





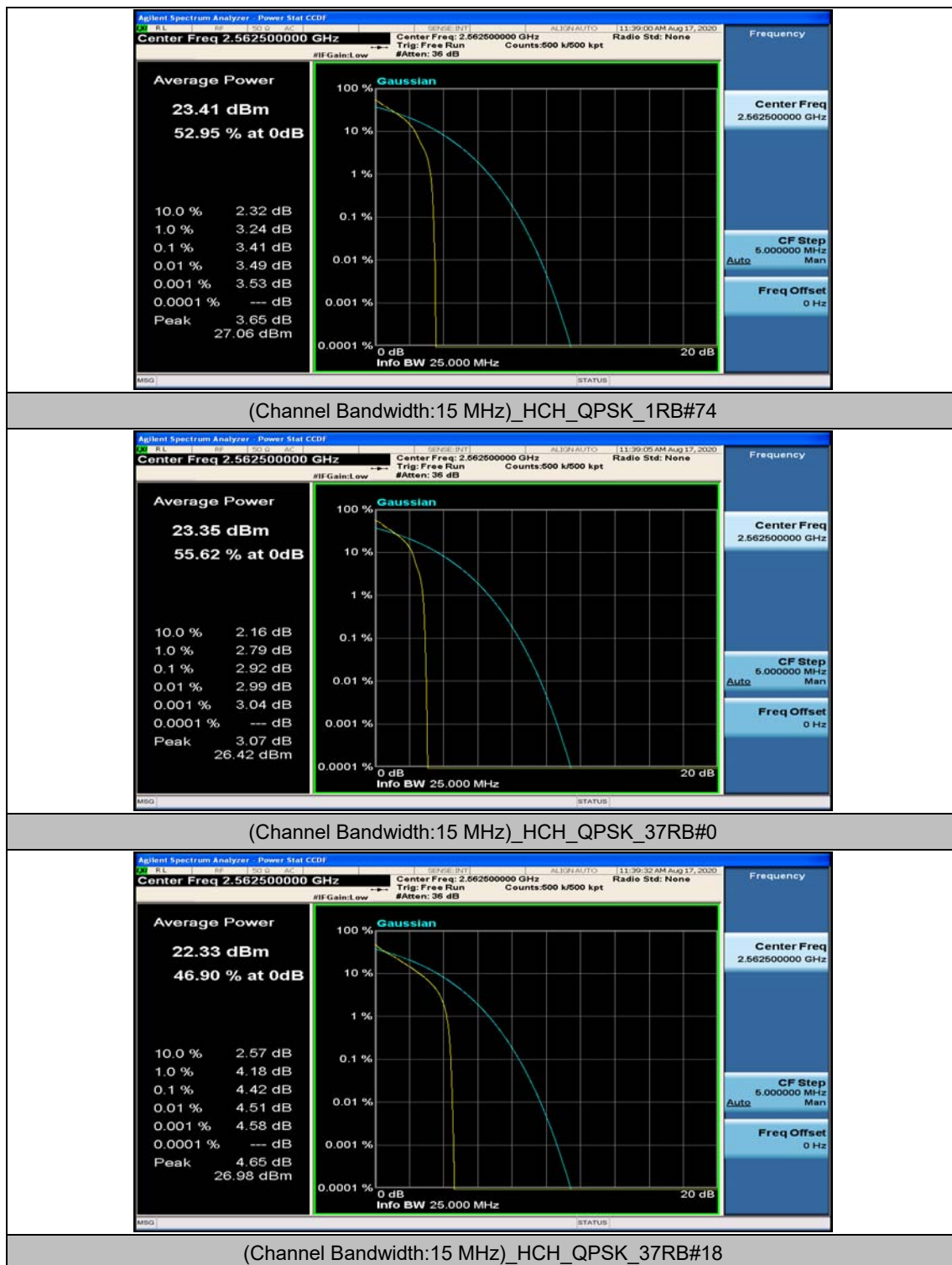
(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

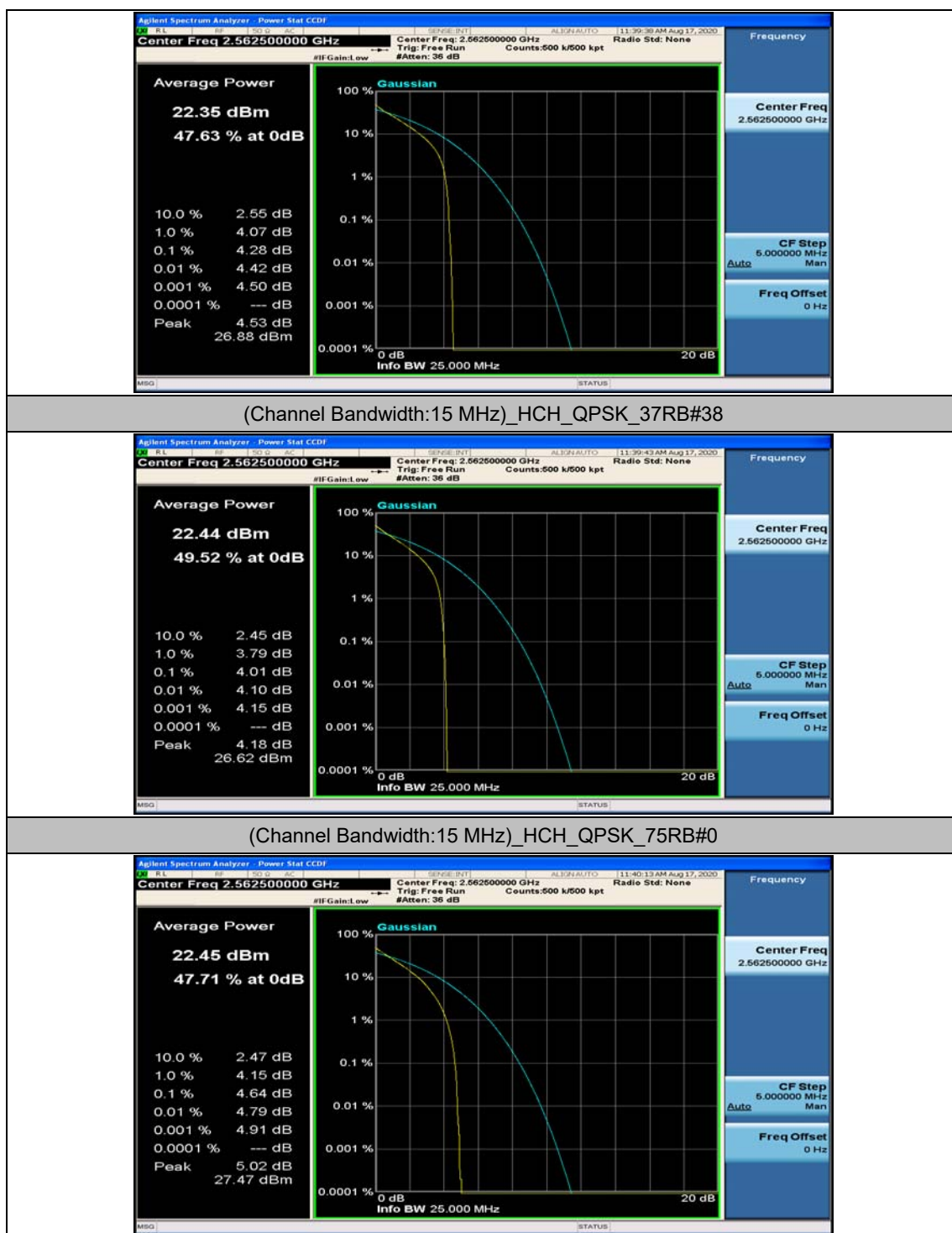


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

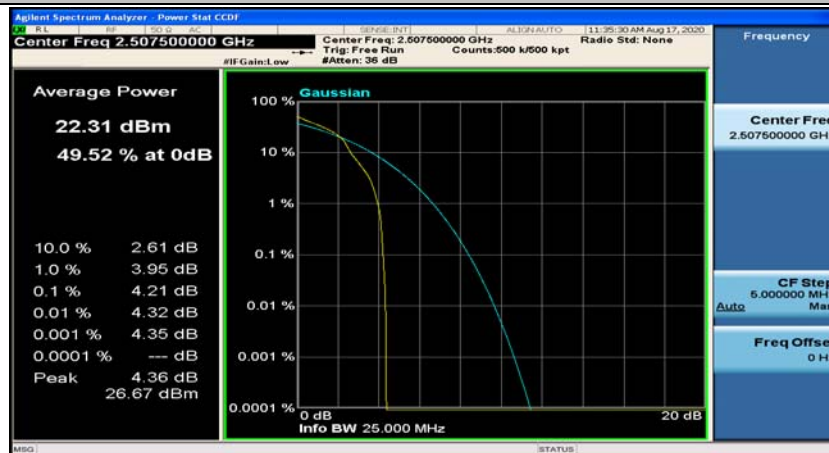


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

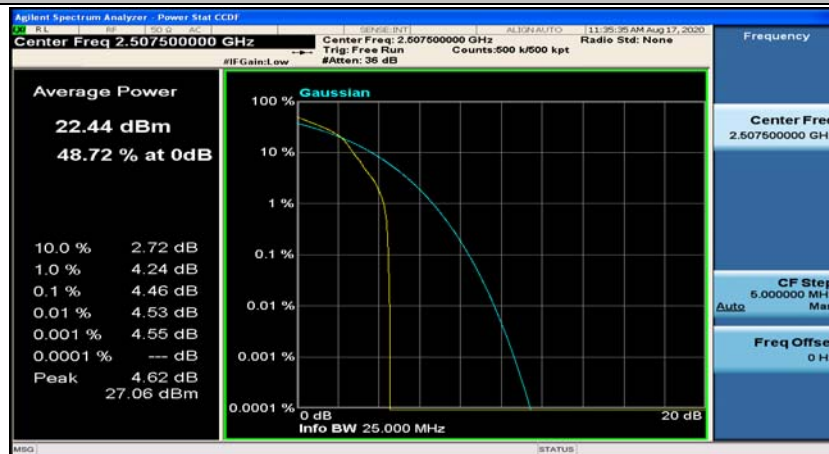




(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



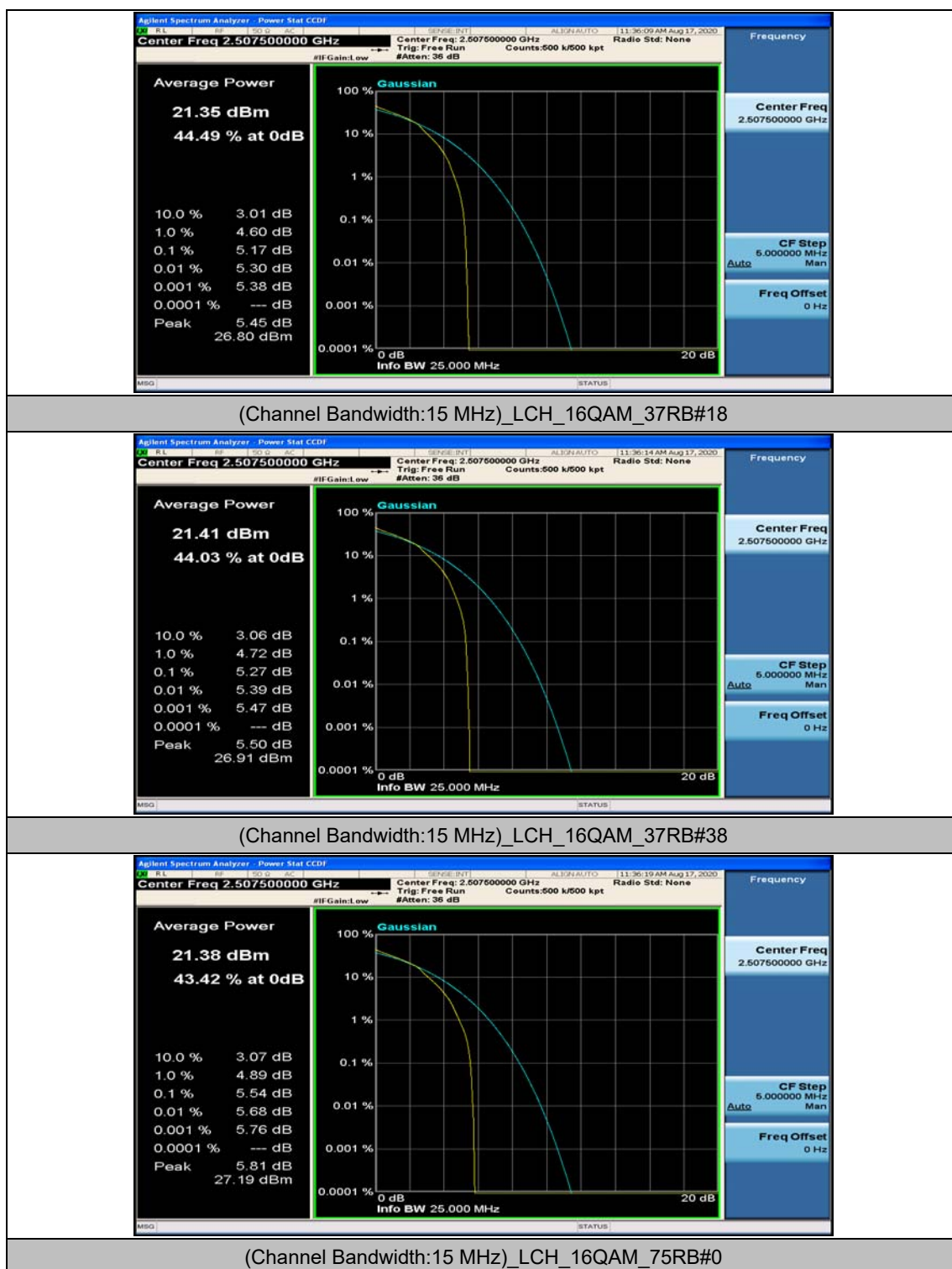
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

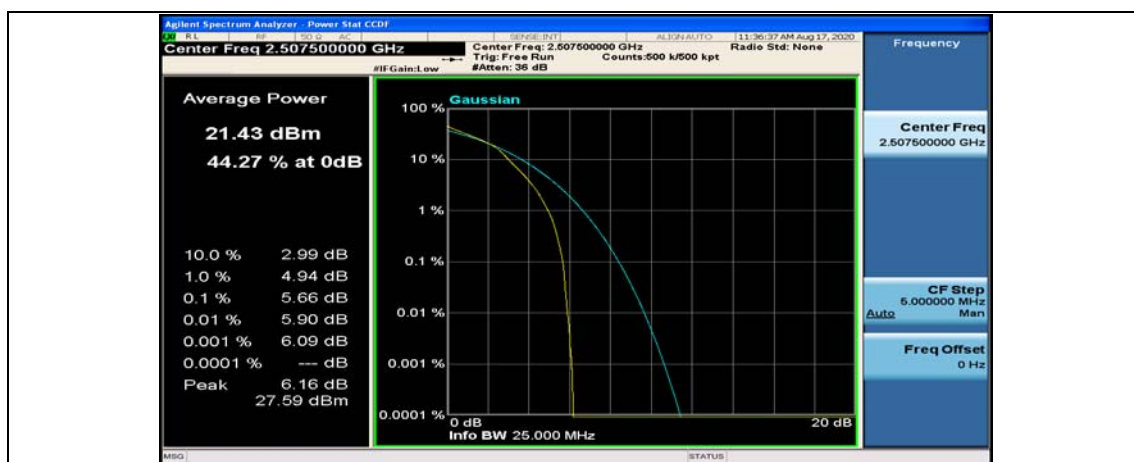


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74



(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0





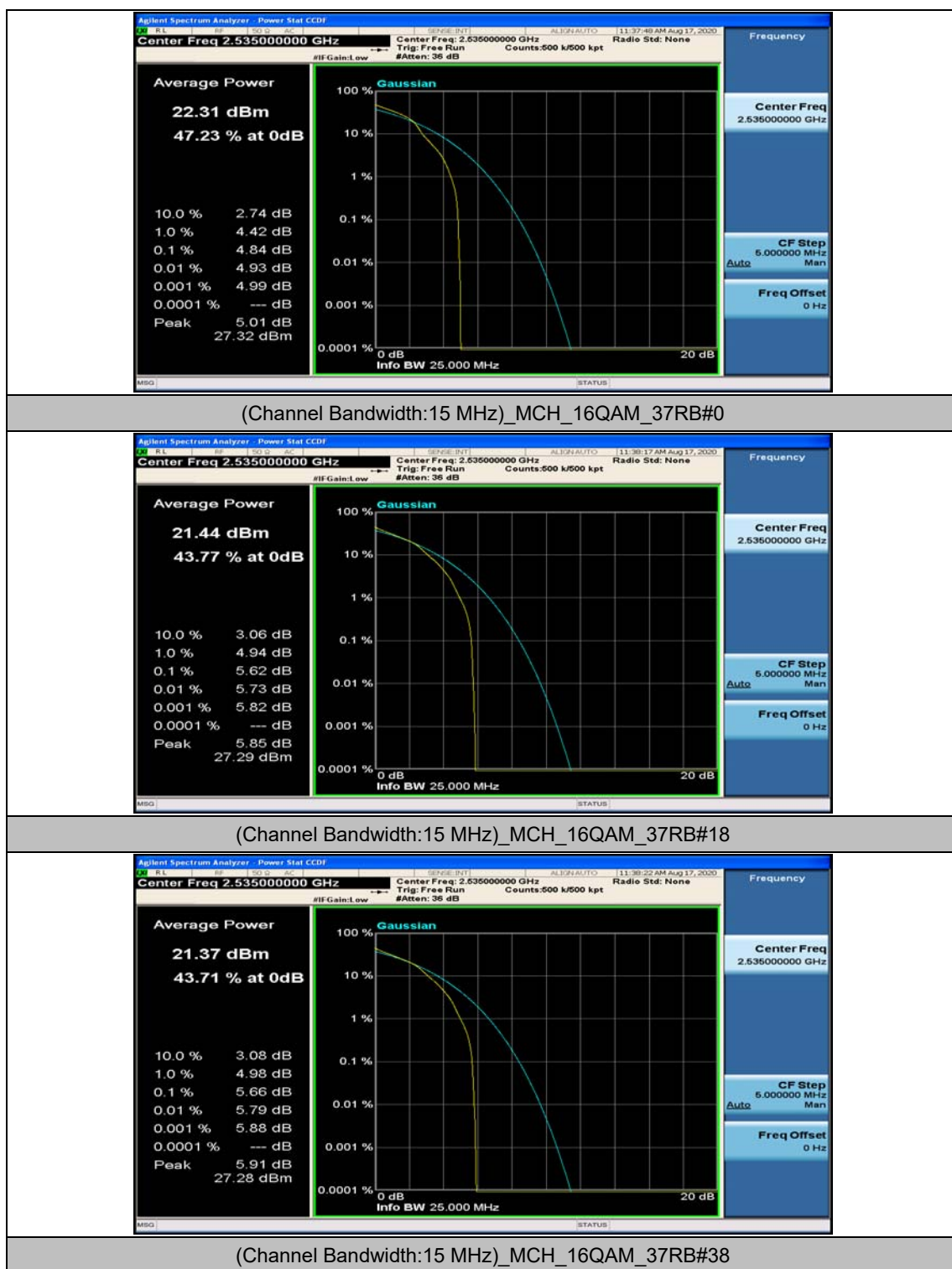
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

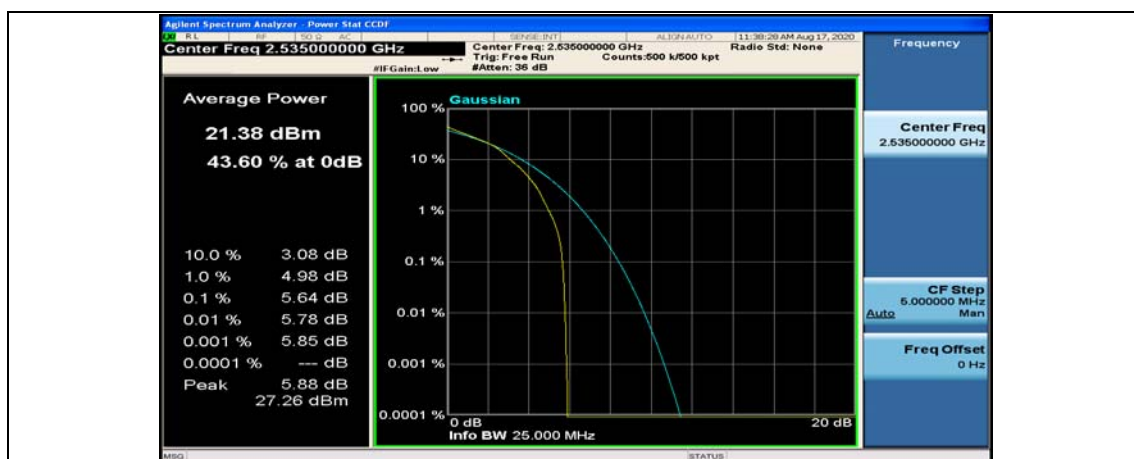


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

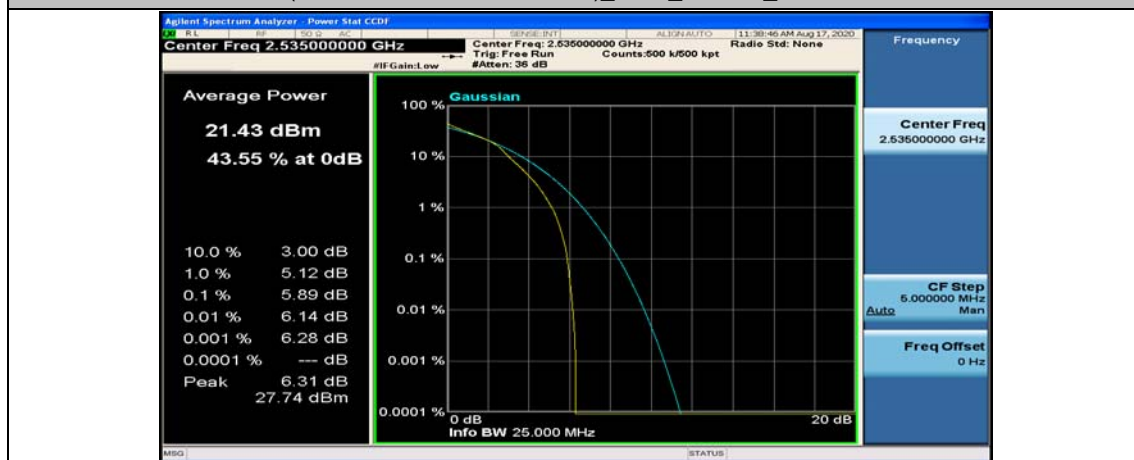


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74

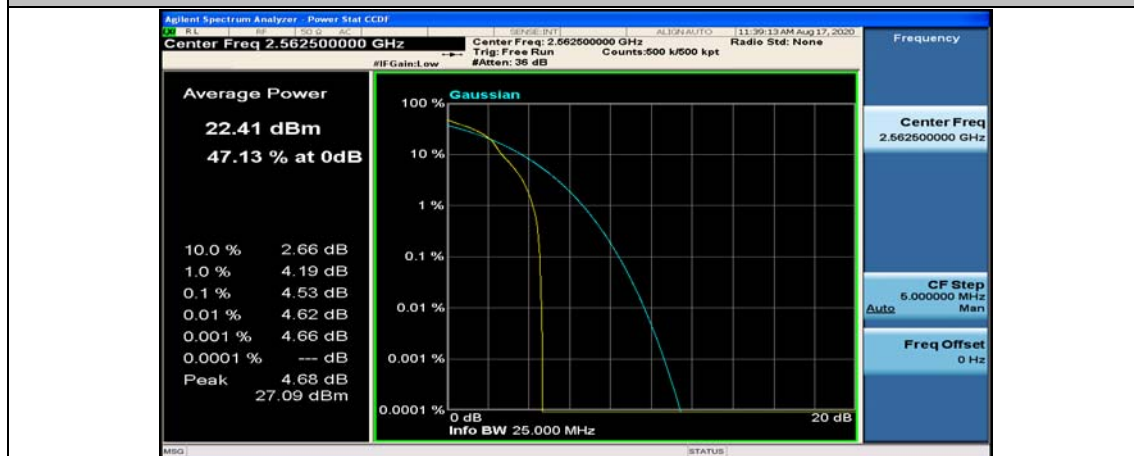




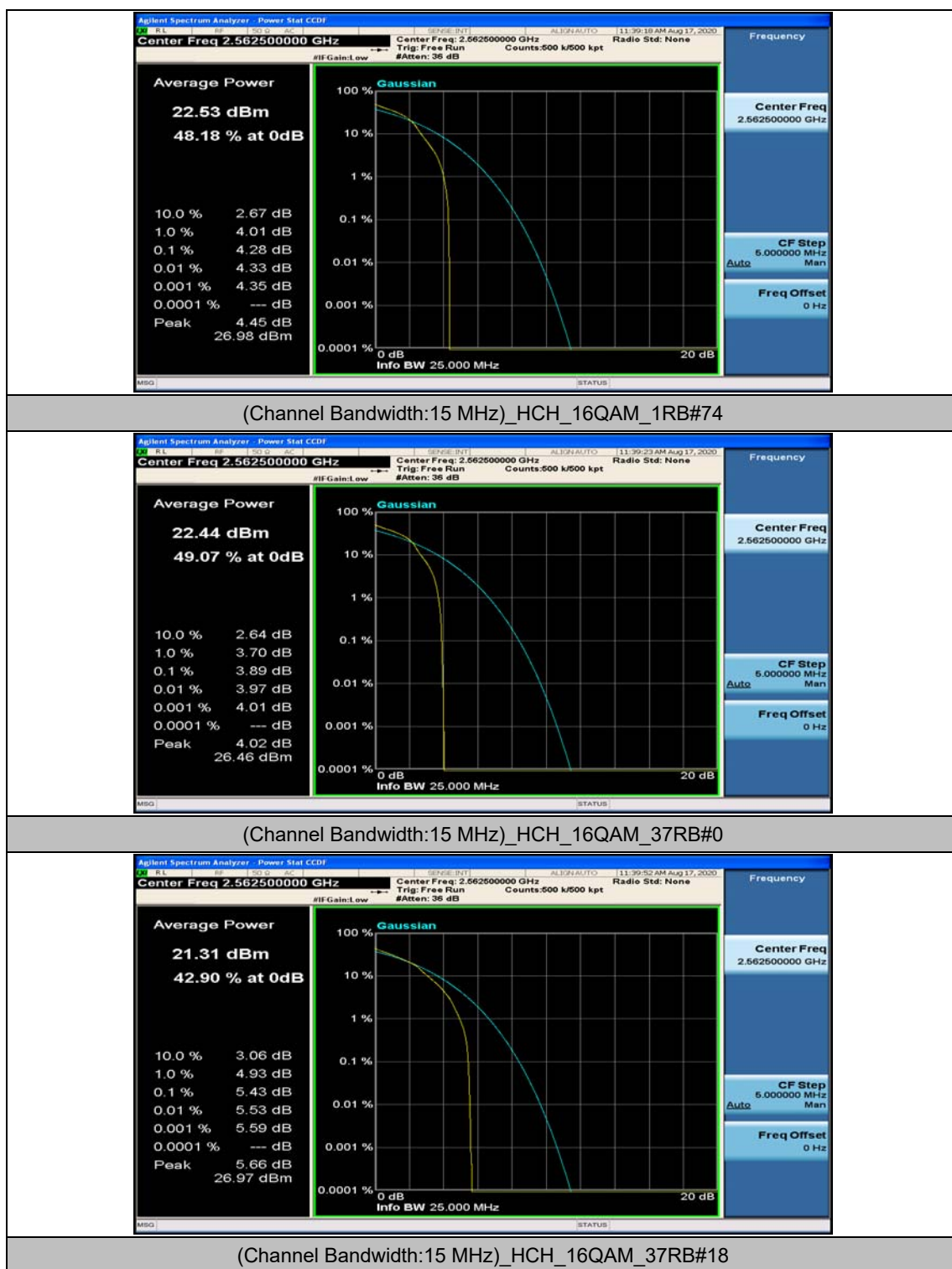
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

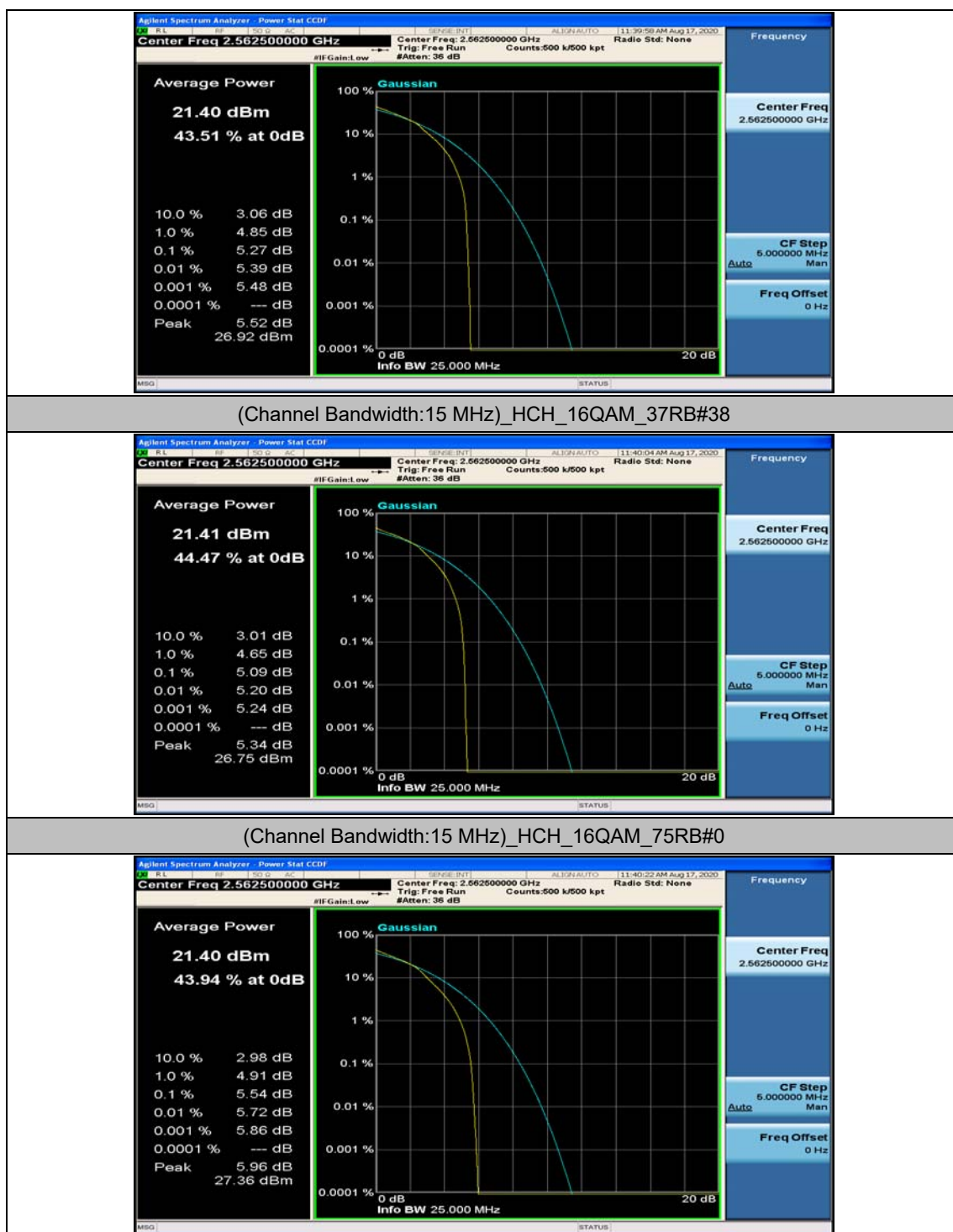


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



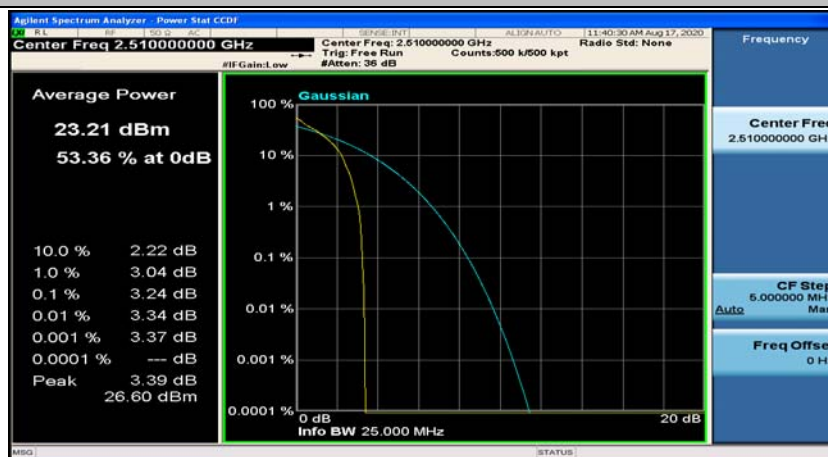
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37





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

