

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	22.77	23.57	PASS
		1	12	22.87	23.67	PASS
		1	24	22.75	23.55	PASS
		12	0	21.86	22.66	PASS
		12	6	21.84	22.64	PASS
		12	13	21.89	22.69	PASS
		25	0	21.89	22.69	PASS
	MCH	1	0	22.96	23.76	PASS
		1	12	23.06	23.86	PASS
		1	24	22.99	23.79	PASS
		12	0	22.00	22.80	PASS
		12	6	22.02	22.82	PASS
		12	13	22.05	22.85	PASS
		25	0	22.05	22.85	PASS
	HCH	1	0	23.09	23.89	PASS
		1	12	23.24	24.04	PASS
		1	24	23.13	23.93	PASS
		12	0	22.05	22.85	PASS
		12	6	22.09	22.89	PASS
		12	13	22.04	22.84	PASS
		25	0	22.07	22.87	PASS
16QAM	LCH	1	0	21.78	22.58	PASS
		1	12	21.89	22.69	PASS
		1	24	21.80	22.60	PASS
		12	0	20.89	21.69	PASS
		12	6	20.87	21.67	PASS
		12	13	20.91	21.71	PASS
		25	0	20.93	21.73	PASS
	MCH	1	0	22.20	23.00	PASS
		1	12	22.30	23.10	PASS
		1	24	22.24	23.04	PASS
		12	0	21.09	21.89	PASS

		12	6	21.10	21.90	PASS
		12	13	21.12	21.92	PASS
		25	0	21.09	21.89	PASS
	HCH	1	0	21.96	22.76	PASS
		1	12	22.05	22.85	PASS
		1	24	21.97	22.77	PASS
		12	0	21.10	21.90	PASS
		12	6	21.08	21.88	PASS
		12	13	21.05	21.85	PASS
		25	0	21.16	21.96	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	22.92	23.72	PASS
		1	24	23.15	23.95	PASS
		1	49	22.88	23.68	PASS
		25	0	21.99	22.79	PASS
		25	12	21.97	22.77	PASS
		25	25	21.97	22.77	PASS
		50	0	21.97	22.77	PASS
	MCH	1	0	23.11	23.91	PASS
		1	24	23.37	24.17	PASS
		1	49	23.16	23.96	PASS
		25	0	22.12	22.92	PASS
		25	12	22.12	22.92	PASS
		25	25	22.16	22.96	PASS
		50	0	22.15	22.95	PASS
	HCH	1	0	23.16	23.96	PASS
		1	24	23.46	24.26	PASS
		1	49	23.19	23.99	PASS
		25	0	22.18	22.98	PASS
		25	12	22.18	22.98	PASS
		25	25	22.07	22.87	PASS
		50	0	22.09	22.89	PASS
16QAM	LCH	1	0	22.09	22.89	PASS
		1	24	22.28	23.08	PASS
		1	49	22.05	22.85	PASS
		25	0	20.99	21.79	PASS

		25	12	21.00	21.80	PASS
		25	25	20.98	21.78	PASS
		50	0	21.00	21.80	PASS
	MCH	1	0	22.22	23.02	PASS
		1	24	22.45	23.25	PASS
		1	49	22.24	23.04	PASS
		25	0	21.18	21.98	PASS
		25	12	21.17	21.97	PASS
		25	25	21.24	22.04	PASS
		50	0	21.19	21.99	PASS
	HCH	1	0	21.94	22.74	PASS
		1	24	22.15	22.95	PASS
		1	49	21.96	22.76	PASS
		25	0	21.22	22.02	PASS
		25	12	21.24	22.04	PASS
		25	25	21.13	21.93	PASS
		50	0	21.14	21.94	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.86	23.66	PASS
		1	37	22.91	23.71	PASS
		1	74	22.79	23.59	PASS
		37	0	22.05	22.85	PASS
		37	18	22.04	22.84	PASS
		37	38	22.05	22.85	PASS
		75	0	22.04	22.84	PASS
	MCH	1	0	23.02	23.82	PASS
		1	37	23.19	23.99	PASS
		1	74	23.10	23.90	PASS
		37	0	22.19	22.99	PASS
		37	18	22.23	23.03	PASS
		37	38	22.21	23.01	PASS
		75	0	22.22	23.02	PASS
	HCH	1	0	23.07	23.87	PASS
		1	37	23.19	23.99	PASS
		1	74	23.11	23.91	PASS
		37	0	22.30	23.10	PASS

16QAM		37	18	22.32	23.12	PASS
		37	38	22.31	23.11	PASS
		75	0	22.31	23.11	PASS
	LCH	1	0	22.00	22.80	PASS
		1	37	22.05	22.85	PASS
		1	74	21.97	22.77	PASS
		37	0	22.04	22.84	PASS
		37	18	22.05	22.85	PASS
		37	38	22.04	22.84	PASS
		75	0	20.99	21.79	PASS
	MCH	1	0	22.18	22.98	PASS
		1	37	22.31	23.11	PASS
		1	74	22.26	23.06	PASS
		37	0	22.22	23.02	PASS
		37	18	22.21	23.01	PASS
		37	38	22.21	23.01	PASS
		75	0	21.20	22.00	PASS
	HCH	1	0	21.89	22.69	PASS
		1	37	21.93	22.73	PASS
		1	74	21.87	22.67	PASS
		37	0	22.30	23.10	PASS
		37	18	22.30	23.10	PASS
		37	38	22.32	23.12	PASS
		75	0	21.22	22.02	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.71	23.51	PASS
		1	49	23.16	23.96	PASS
		1	99	22.69	23.49	PASS
		50	0	21.91	22.71	PASS
		50	25	21.91	22.71	PASS
		50	50	21.90	22.70	PASS
		100	0	21.88	22.68	PASS
	MCH	1	0	22.87	23.67	PASS
		1	49	23.40	24.20	PASS
		1	99	22.97	23.77	PASS
		50	0	22.08	22.88	PASS

		50	25	22.07	22.87	PASS
		50	50	22.13	22.93	PASS
		100	0	22.10	22.90	PASS
	HCH	1	0	22.88	23.68	PASS
		1	49	23.38	24.18	PASS
		1	99	22.92	23.72	PASS
		50	0	22.10	22.90	PASS
		50	25	22.09	22.89	PASS
		50	50	21.99	22.79	PASS
		100	0	22.04	22.84	PASS
16QAM	LCH	1	0	21.76	22.56	PASS
		1	49	22.18	22.98	PASS
		1	99	21.75	22.55	PASS
		50	0	20.94	21.74	PASS
		50	25	20.93	21.73	PASS
		50	50	20.92	21.72	PASS
		100	0	20.91	21.71	PASS
	MCH	1	0	22.11	22.91	PASS
		1	49	22.63	23.43	PASS
		1	99	22.21	23.01	PASS
		50	0	21.14	21.94	PASS
		50	25	21.14	21.94	PASS
		50	50	21.17	21.97	PASS
		100	0	21.16	21.96	PASS
	HCH	1	0	21.82	22.62	PASS
		1	49	22.23	23.03	PASS
		1	99	21.78	22.58	PASS
		50	0	21.19	21.99	PASS
		50	25	21.17	21.97	PASS
		50	50	21.09	21.89	PASS
		100	0	21.12	21.92	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	7.24	<13	PASS
		1	12	7.79	<13	PASS
		1	24	8.72	<13	PASS
		12	0	8.55	<13	PASS
		12	6	9.47	<13	PASS
		12	13	9.25	<13	PASS
		25	0	7.64	<13	PASS
	MCH	1	0	7.14	<13	PASS
		1	12	6.31	<13	PASS
		1	24	9.18	<13	PASS
		12	0	8.32	<13	PASS
		12	6	10.35	<13	PASS
		12	13	9.89	<13	PASS
		25	0	7.23	<13	PASS
	HCH	1	0	6.87	<13	PASS
		1	12	6.07	<13	PASS
		1	24	6.1	<13	PASS
		12	0	8.19	<13	PASS
		12	6	7.11	<13	PASS
		12	13	9.23	<13	PASS
		25	0	8.46	<13	PASS
16QAM	LCH	1	0	7.99	<13	PASS
		1	12	8.78	<13	PASS
		1	24	9.38	<13	PASS
		12	0	10	<13	PASS
		12	6	9.73	<13	PASS
		12	13	8.87	<13	PASS
		25	0	8.22	<13	PASS
	MCH	1	0	6.86	<13	PASS
		1	12	6.99	<13	PASS

		1	24	8.66	<13	PASS
		12	0	9.64	<13	PASS
		12	6	8.8	<13	PASS
		12	13	10.89	<13	PASS
		25	0	9.34	<13	PASS
	HCH	1	0	8.17	<13	PASS
		1	12	8.16	<13	PASS
		1	24	7.23	<13	PASS
		12	0	8.78	<13	PASS
		12	6	7.76	<13	PASS
		12	13	9.35	<13	PASS
		25	0	6.79	<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	9.97	<13	PASS
		1	24	6.79	<13	PASS
		1	49	6.82	<13	PASS
		25	0	9.53	<13	PASS
		25	12	9.49	<13	PASS
		25	25	9.78	<13	PASS
		50	0	10.19	<13	PASS
	MCH	1	0	6.72	<13	PASS
		1	24	6.87	<13	PASS
		1	49	6.83	<13	PASS
		25	0	8.82	<13	PASS
		25	12	8.95	<13	PASS
		25	25	8.03	<13	PASS
		50	0	10.97	<13	PASS
	HCH	1	0	7.73	<13	PASS
		1	24	5.48	<13	PASS
		1	49	5.35	<13	PASS
		25	0	6.98	<13	PASS
		25	12	9.37	<13	PASS
		25	25	9.19	<13	PASS
		50	0	7.84	<13	PASS
16QAM	LCH	1	0	8.93	<13	PASS
		1	24	8.38	<13	PASS

		1	49	7.8	<13	PASS
		25	0	9.08	<13	PASS
		25	12	10.87	<13	PASS
		25	25	10.18	<13	PASS
		50	0	10.91	<13	PASS
	MCH	1	0	8.57	<13	PASS
		1	24	8.77	<13	PASS
		1	49	7.75	<13	PASS
		25	0	8.87	<13	PASS
		25	12	9.86	<13	PASS
		25	25	12.86	<13	PASS
		50	0	9.3	<13	PASS
	HCH	1	0	7.82	<13	PASS
		1	24	8.8	<13	PASS
		1	49	8.83	<13	PASS
		25	0	6.8	<13	PASS
		25	12	8.69	<13	PASS
		25	25	8.95	<13	PASS
		50	0	7.56	<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	8.34	<13	PASS
		1	37	7.05	<13	PASS
		1	74	9.26	<13	PASS
		37	0	9.53	<13	PASS
		37	18	10.08	<13	PASS
		37	38	8.61	<13	PASS
		75	0	9.71	<13	PASS
	MCH	1	0	7.48	<13	PASS
		1	37	7.62	<13	PASS
		1	74	6.21	<13	PASS
		37	0	11.32	<13	PASS
		37	18	9.71	<13	PASS
		37	38	7.89	<13	PASS
		75	0	8.92	<13	PASS
	HCH	1	0	6	<13	PASS
		1	37	8.46	<13	PASS

16QAM		1	74	8.36	<13	PASS
		37	0	7.8	<13	PASS
		37	18	7.85	<13	PASS
		37	38	7.96	<13	PASS
		75	0	10.13	<13	PASS
	LCH	1	0	9.27	<13	PASS
		1	37	9.22	<13	PASS
		1	74	10.84	<13	PASS
		37	0	8.99	<13	PASS
		37	18	8.39	<13	PASS
		37	38	8.01	<13	PASS
		75	0	9.8	<13	PASS
	MCH	1	0	7.74	<13	PASS
		1	37	10.41	<13	PASS
		1	74	8.87	<13	PASS
		37	0	11.21	<13	PASS
		37	18	9.51	<13	PASS
		37	38	9.11	<13	PASS
		75	0	8.67	<13	PASS
	HCH	1	0	11.38	<13	PASS
		1	37	8.95	<13	PASS
		1	74	7.17	<13	PASS
		37	0	6.87	<13	PASS
		37	18	6.77	<13	PASS
		37	38	8.58	<13	PASS
		75	0	10.16	<13	PASS

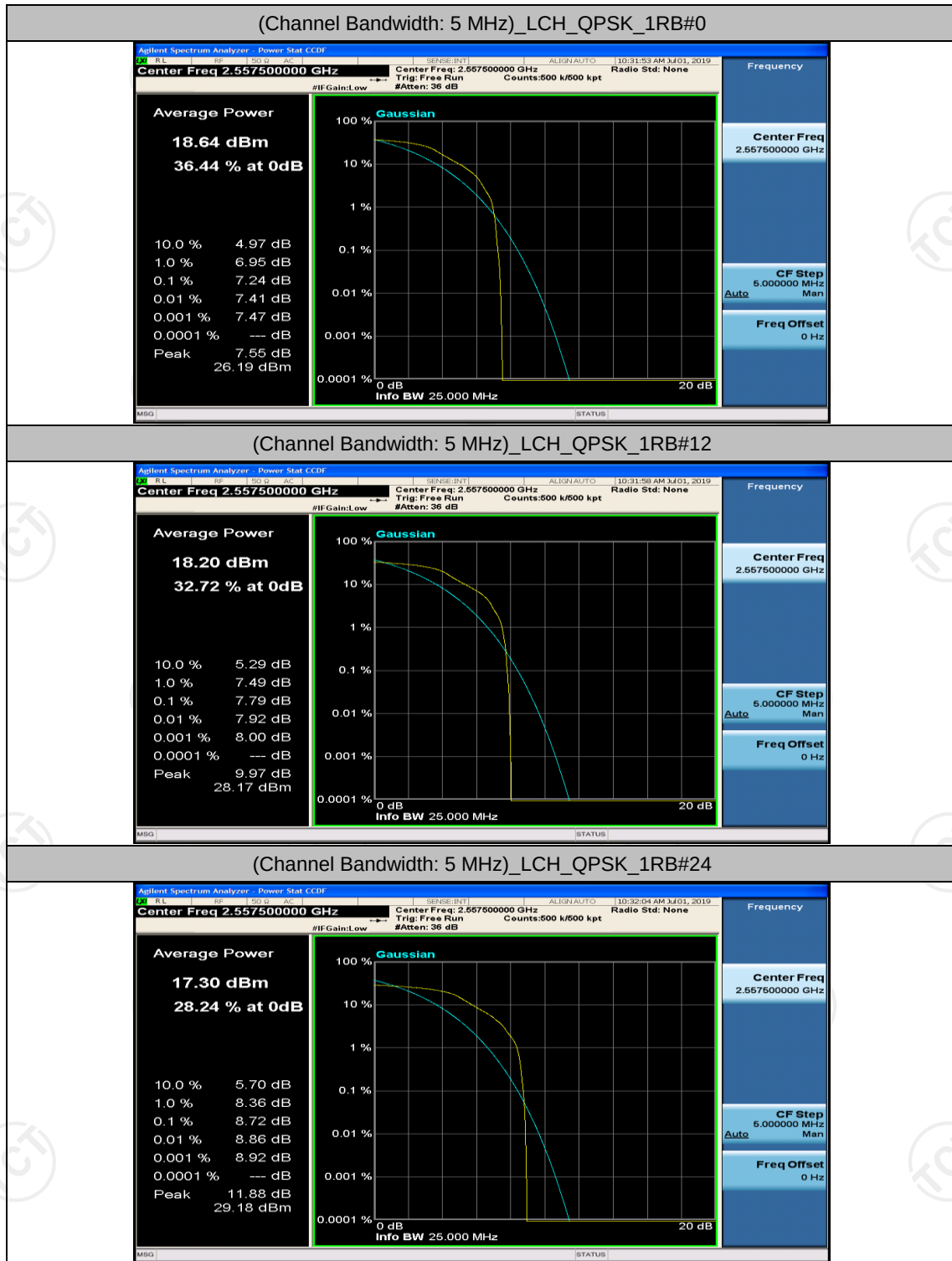
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.37	<13	PASS
		1	49	7.26	<13	PASS
		1	99	11.12	<13	PASS
		50	0	8.29	<13	PASS
		50	25	9.44	<13	PASS
		50	50	7.68	<13	PASS
		100	0	8.42	<13	PASS
	MCH	1	0	8.01	<13	PASS
		1	49	8	<13	PASS

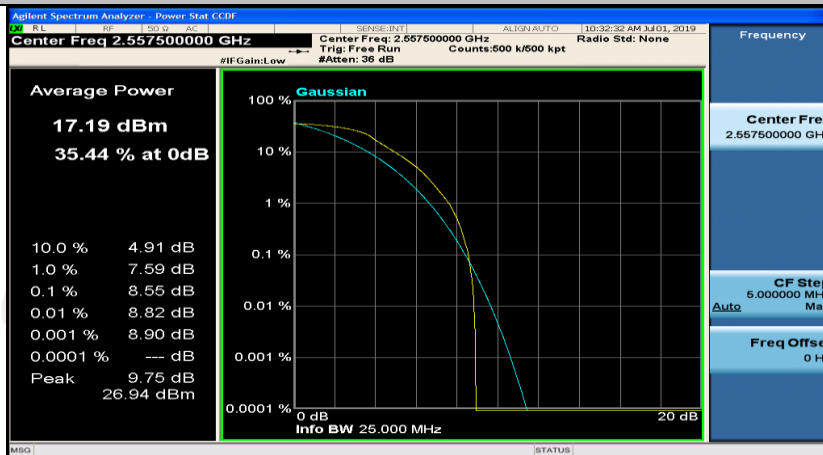
		1	99	6.58	<13	PASS	
		50	0	8.59	<13	PASS	
		50	25	10.74	<13	PASS	
		50	50	8.41	<13	PASS	
		100	0	11.29	<13	PASS	
	HCH	1	0	6.52	<13	PASS	
		1	49	6.15	<13	PASS	
		1	99	10.69	<13	PASS	
		50	0	7.08	<13	PASS	
		50	25	7.71	<13	PASS	
		50	50	8.39	<13	PASS	
		100	0	8.53	<13	PASS	
	16QAM	LCH	1	0	8.13	<13	PASS
			1	49	11.91	<13	PASS
1			99	9.53	<13	PASS	
50			0	10.02	<13	PASS	
50			25	9.26	<13	PASS	
50			50	8.76	<13	PASS	
100			0	9.51	<13	PASS	
MCH		1	0	8.8	<13	PASS	
		1	49	10.22	<13	PASS	
		1	99	7.81	<13	PASS	
		50	0	10.72	<13	PASS	
		50	25	8.21	<13	PASS	
		50	50	9.86	<13	PASS	
		100	0	9.19	<13	PASS	
HCH		1	0	9.43	<13	PASS	
		1	49	9.51	<13	PASS	
		1	99	9.9	<13	PASS	
		50	0	7.84	<13	PASS	
		50	25	7.98	<13	PASS	
		50	50	8.77	<13	PASS	
		100	0	8.37	<13	PASS	

Test Graphs

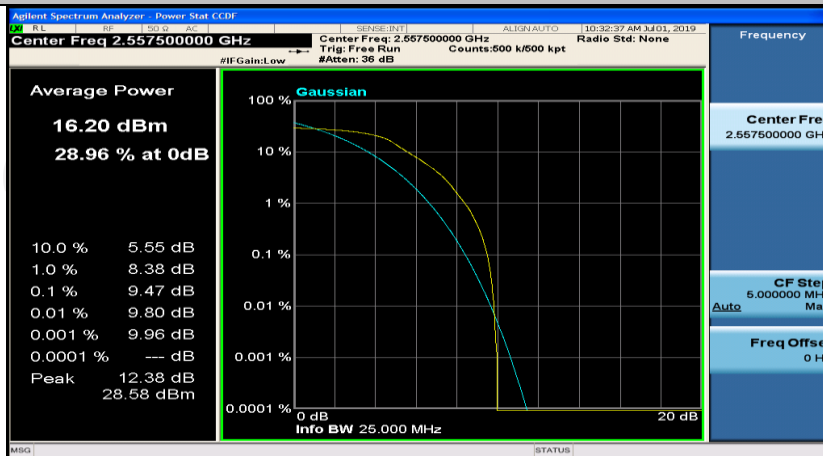
Channel Bandwidth: 5 MHz



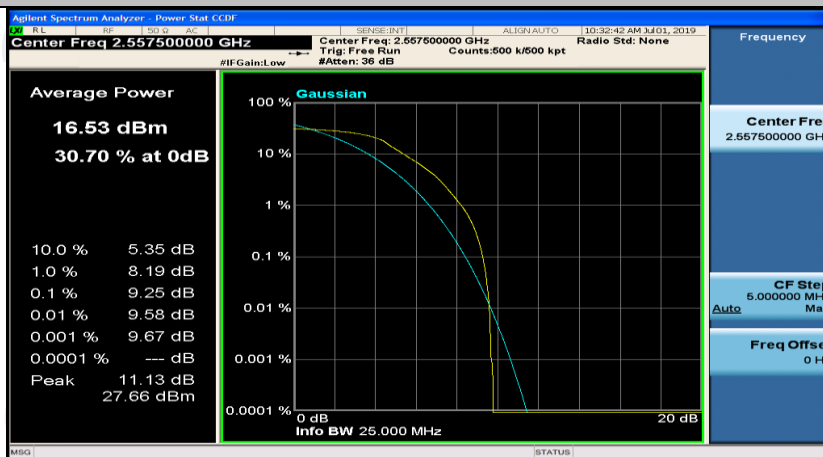
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



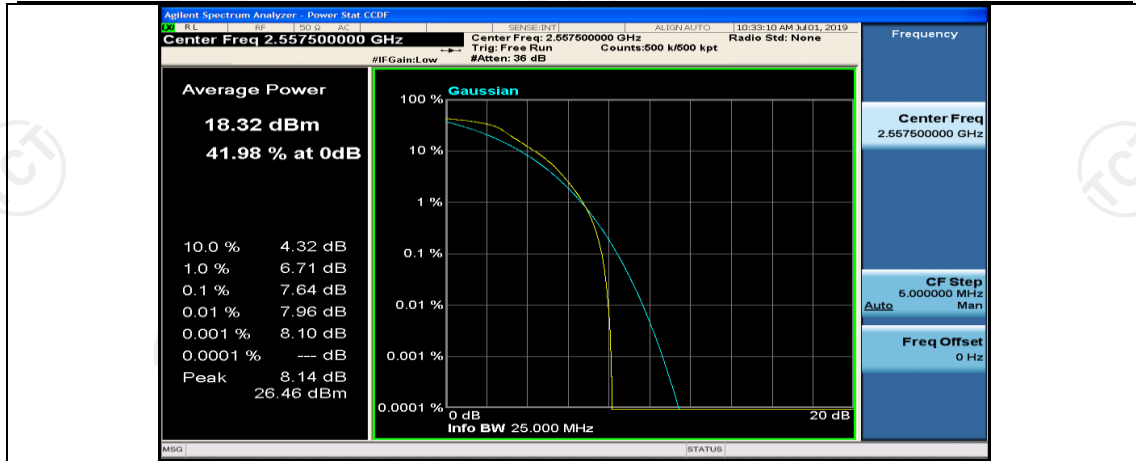
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



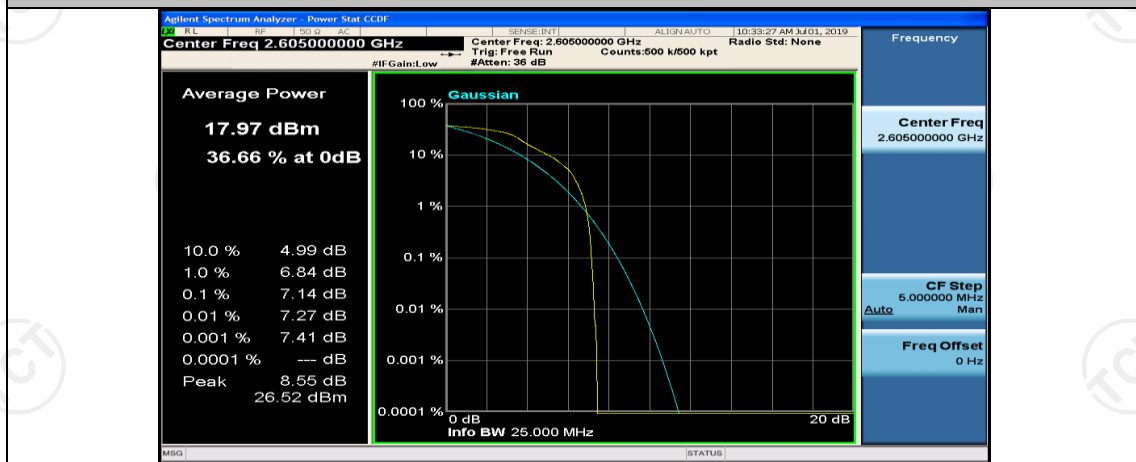
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



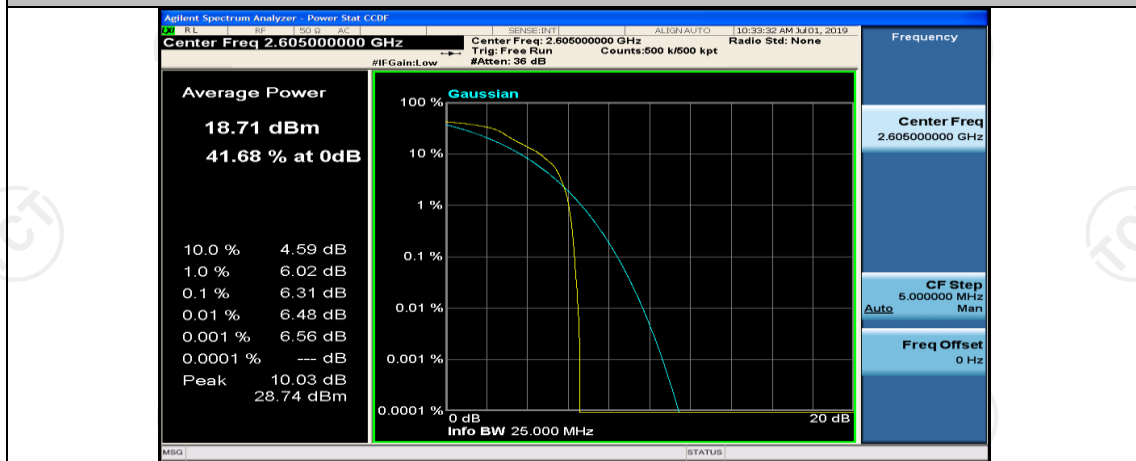
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



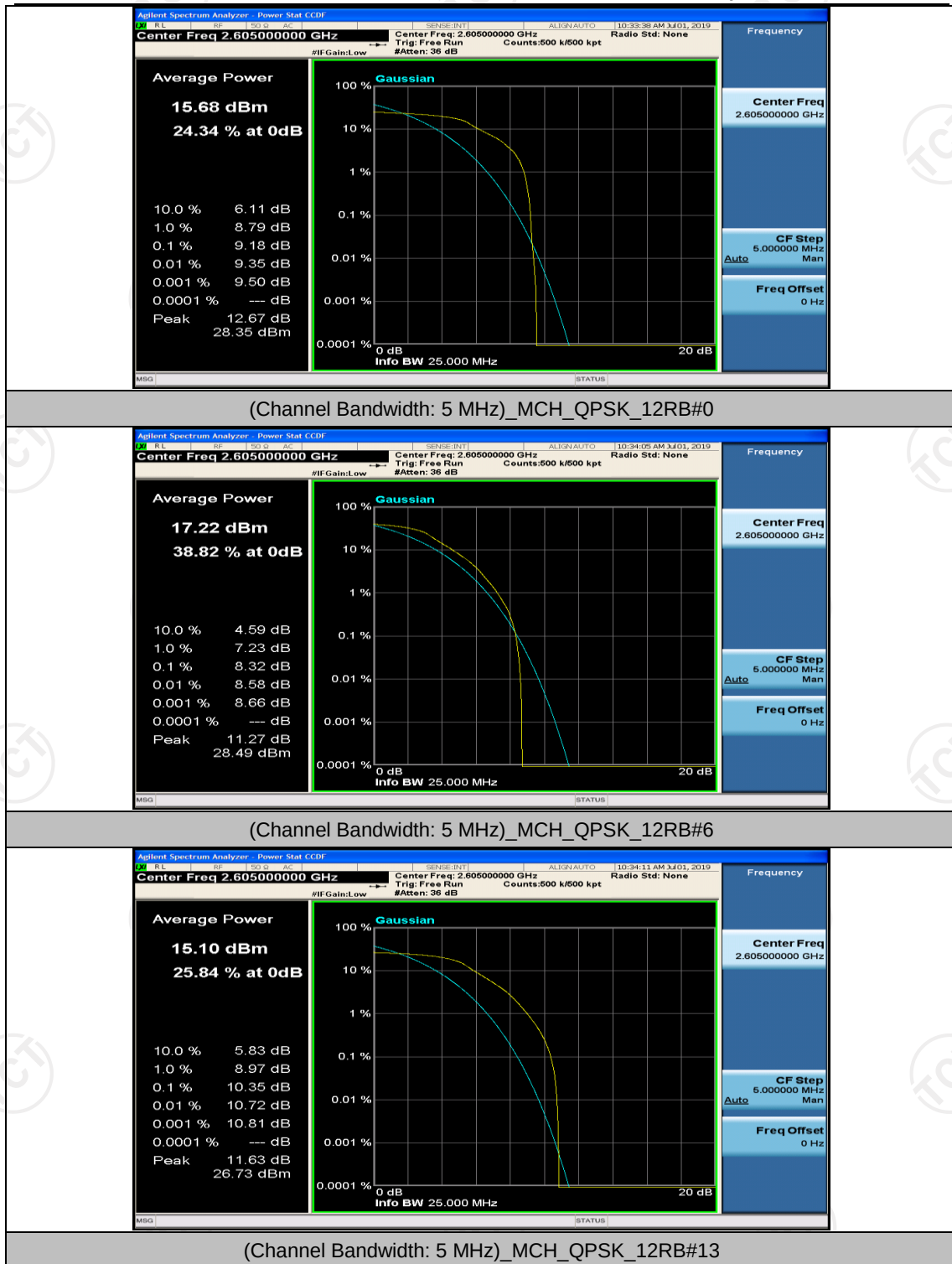
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

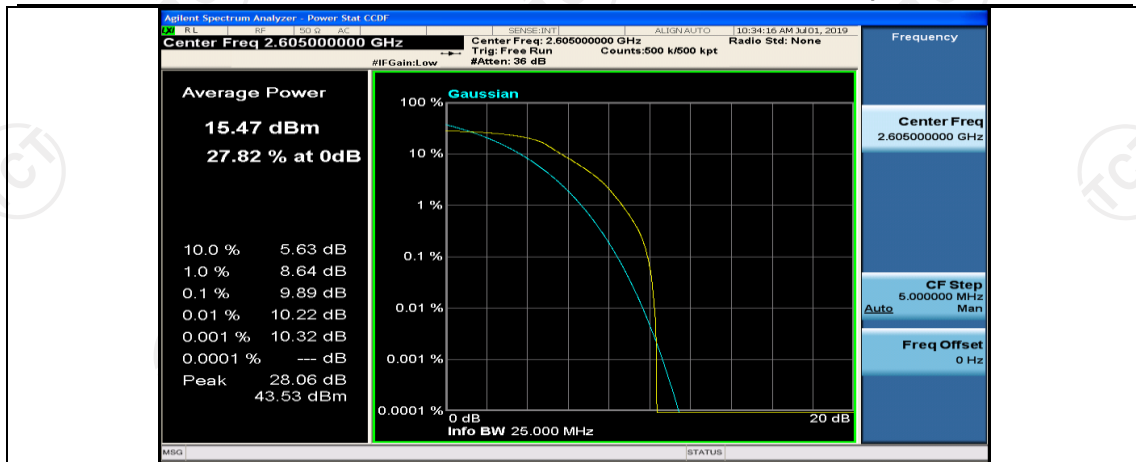


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

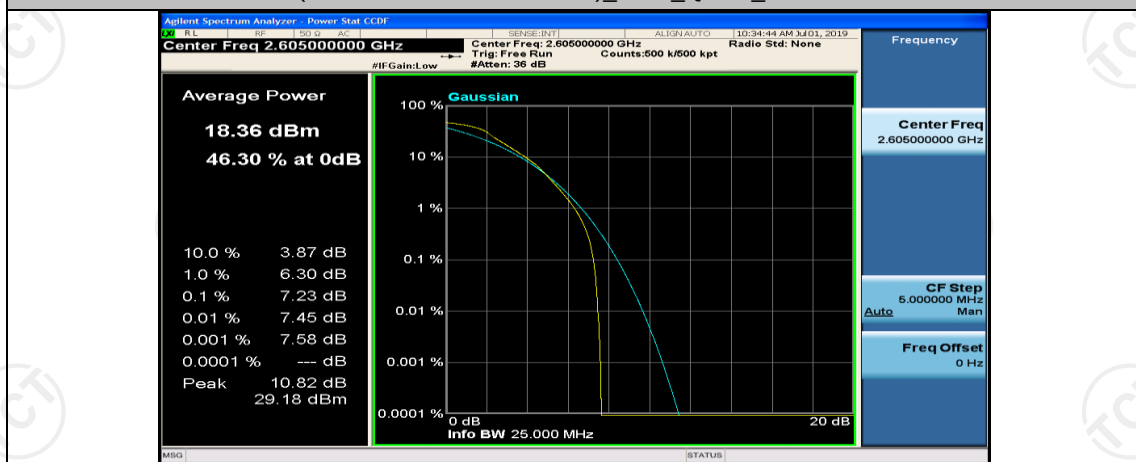


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

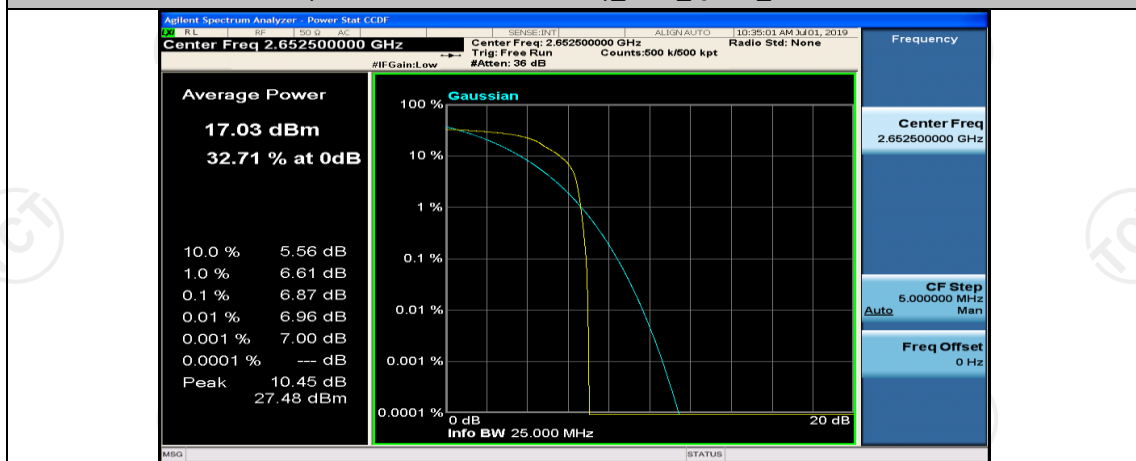




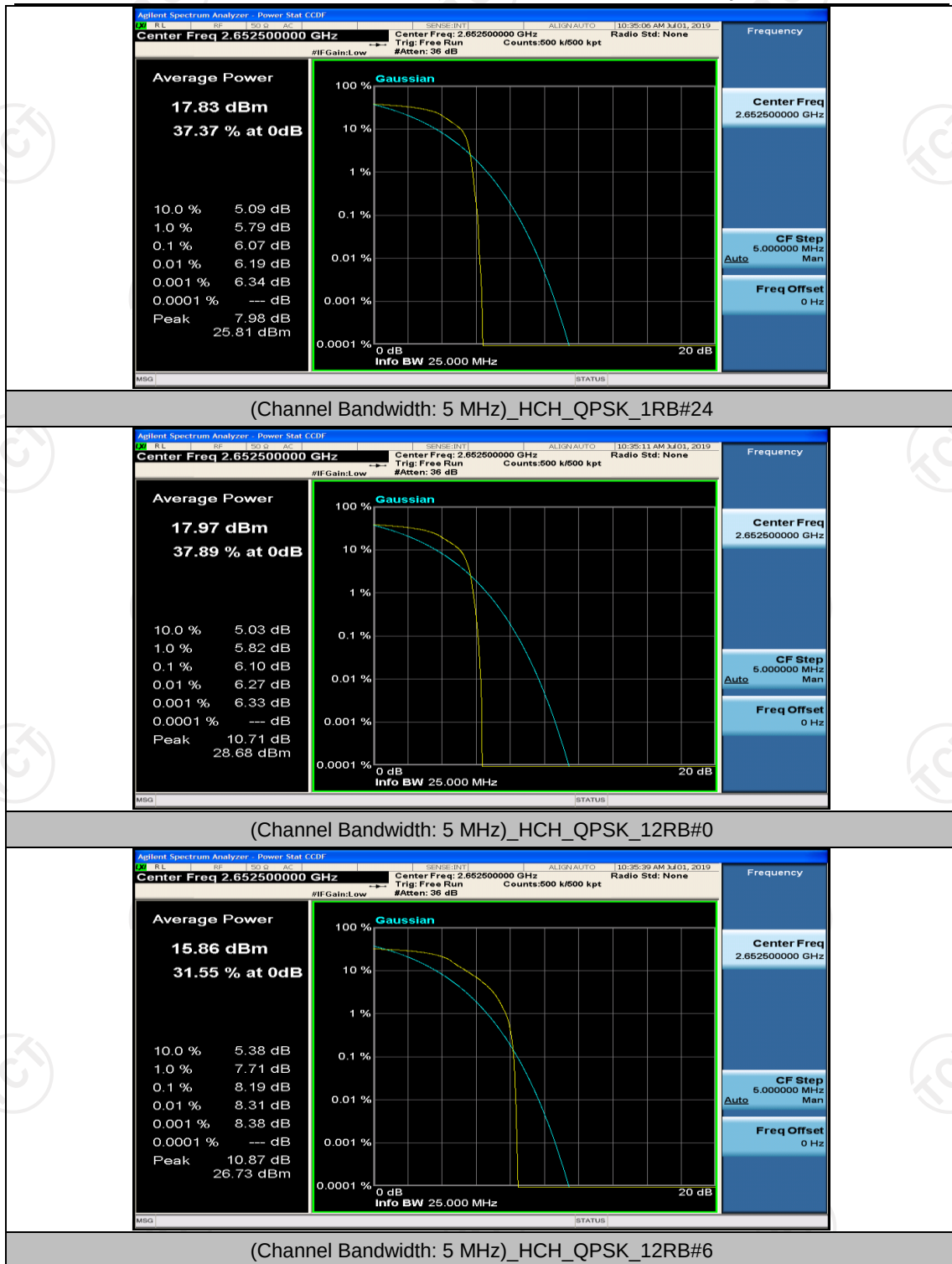
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

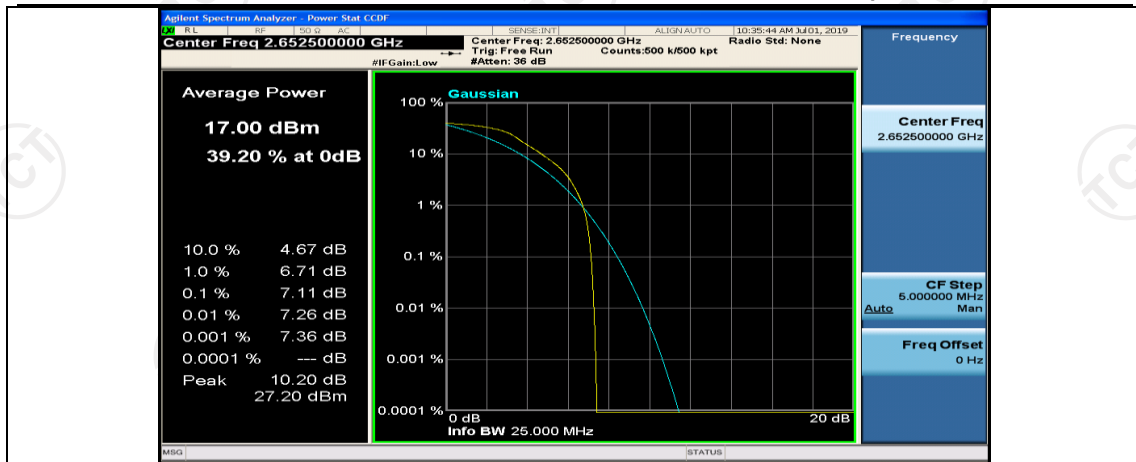


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

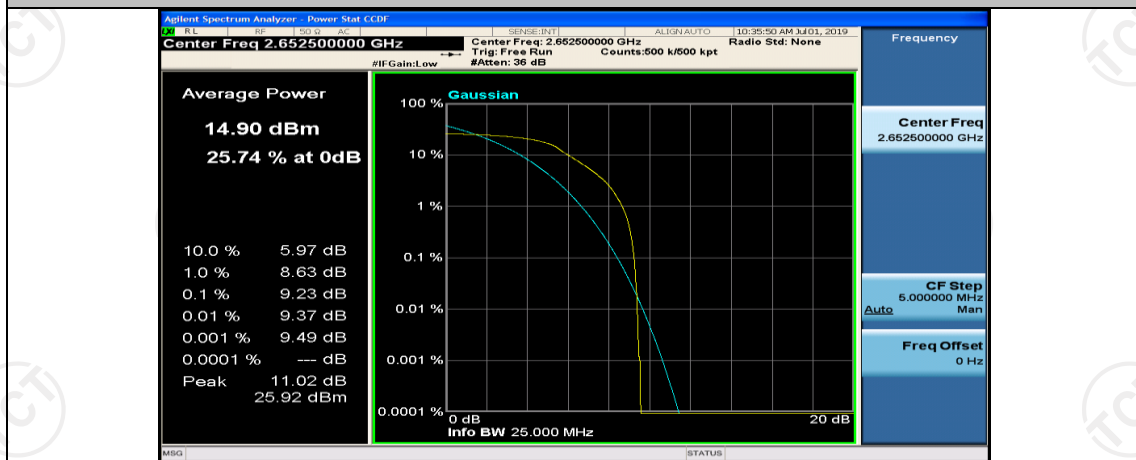


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

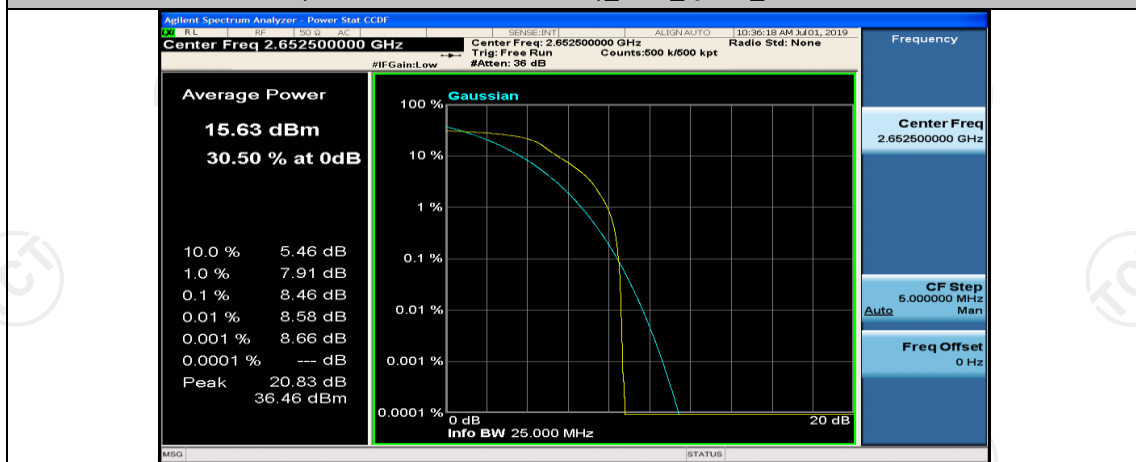




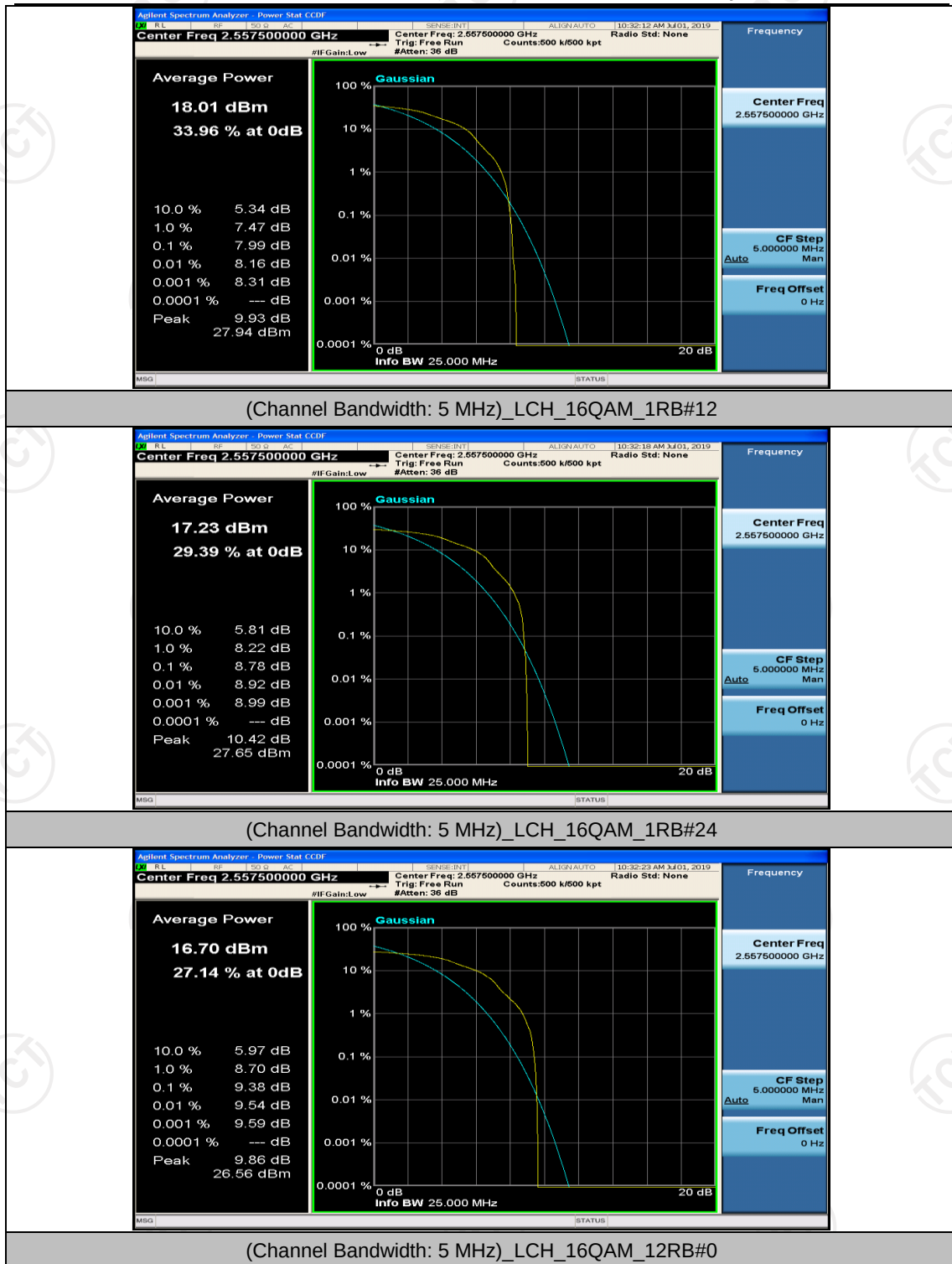
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

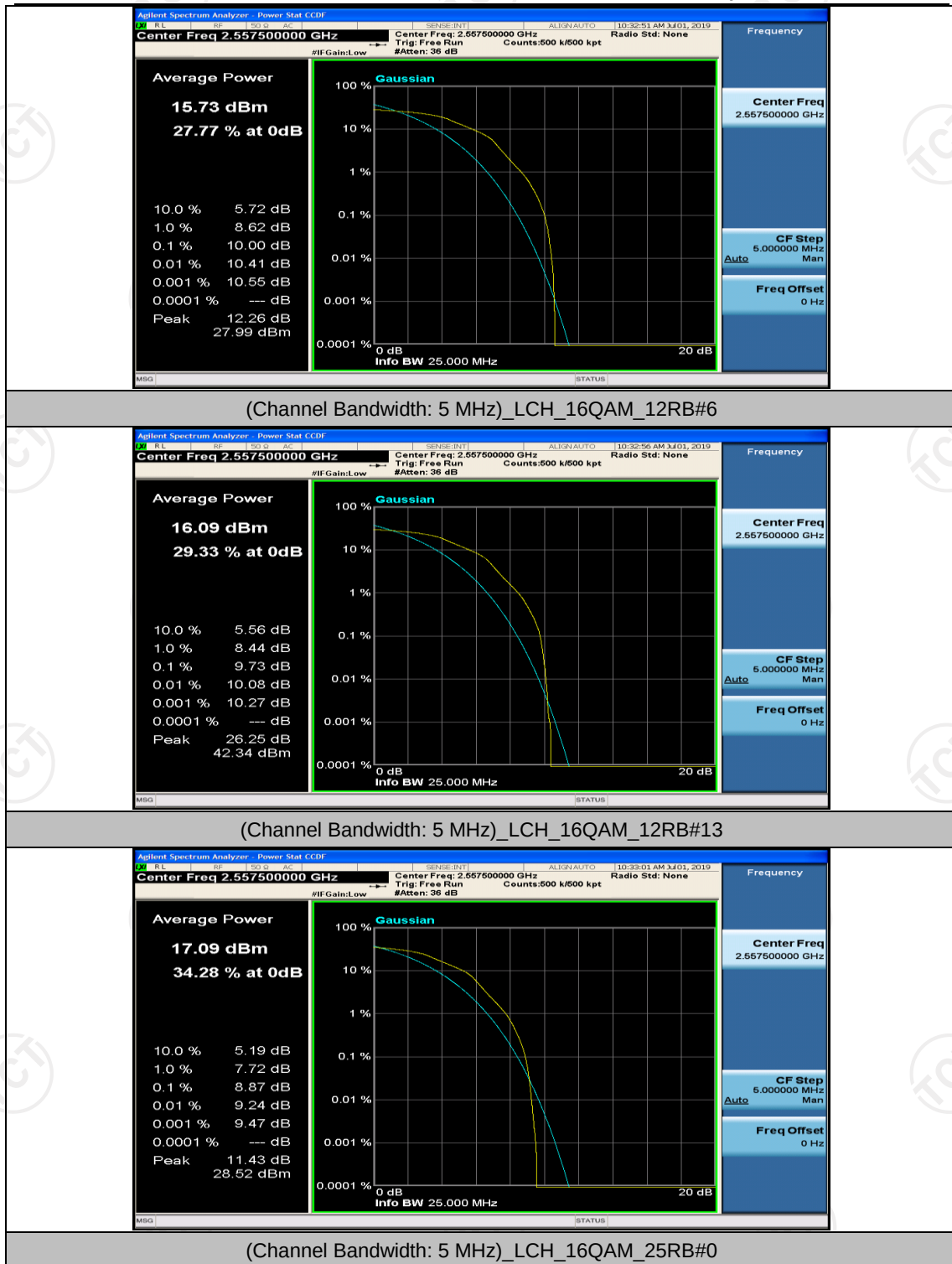


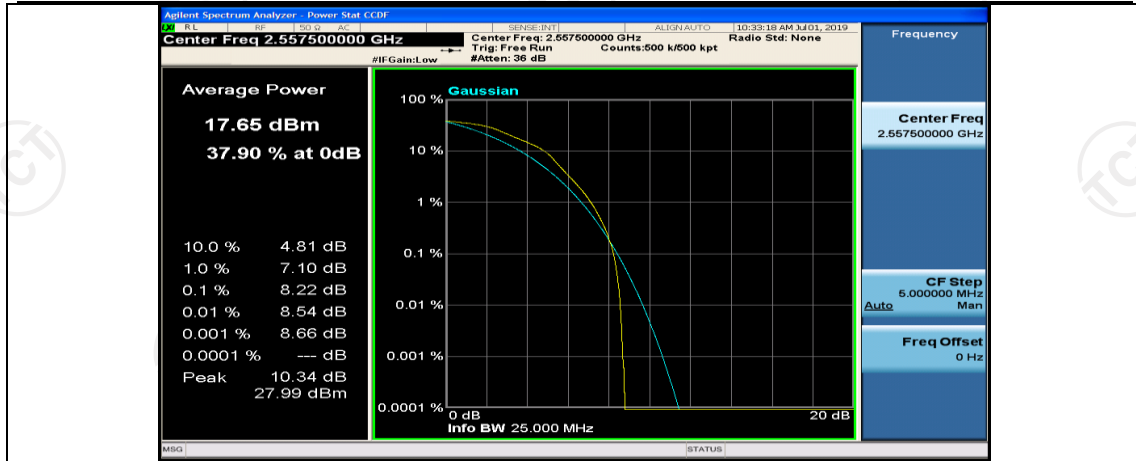
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



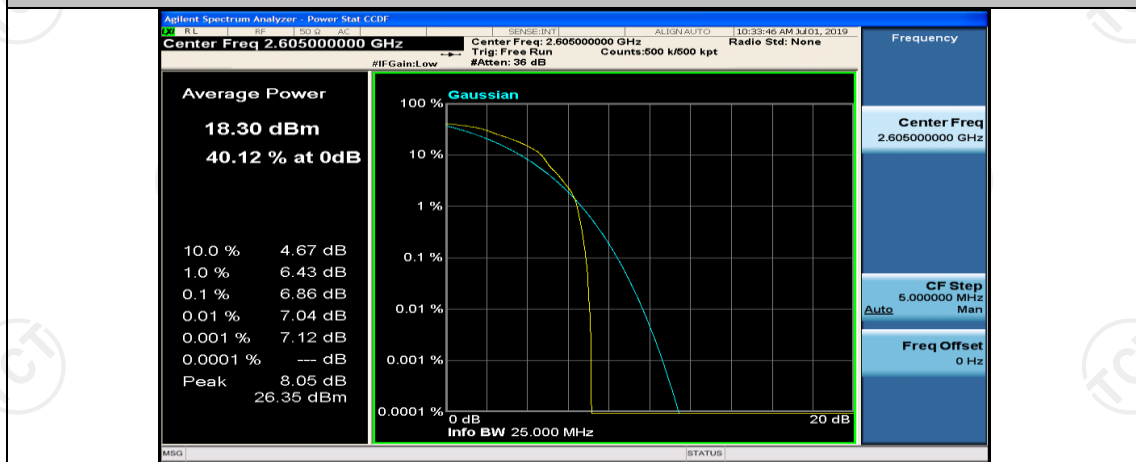
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



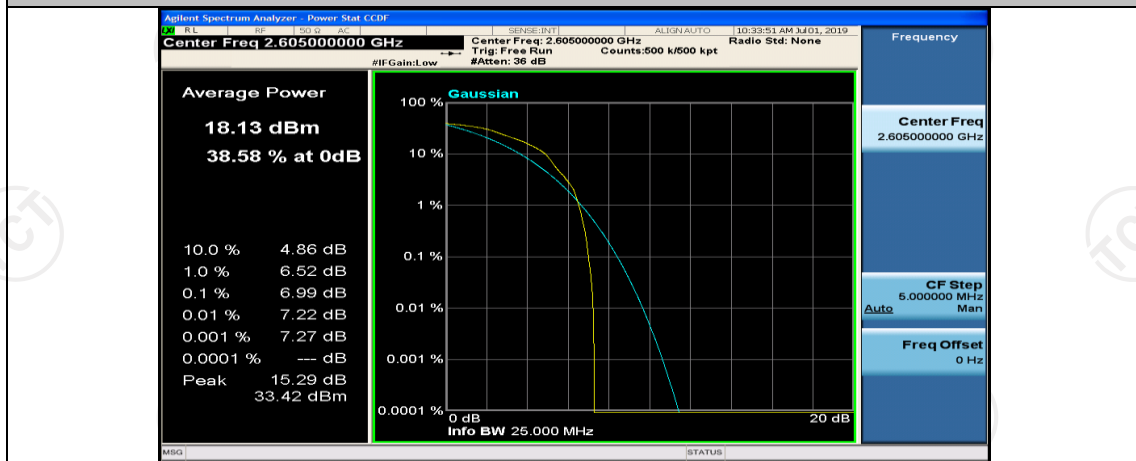




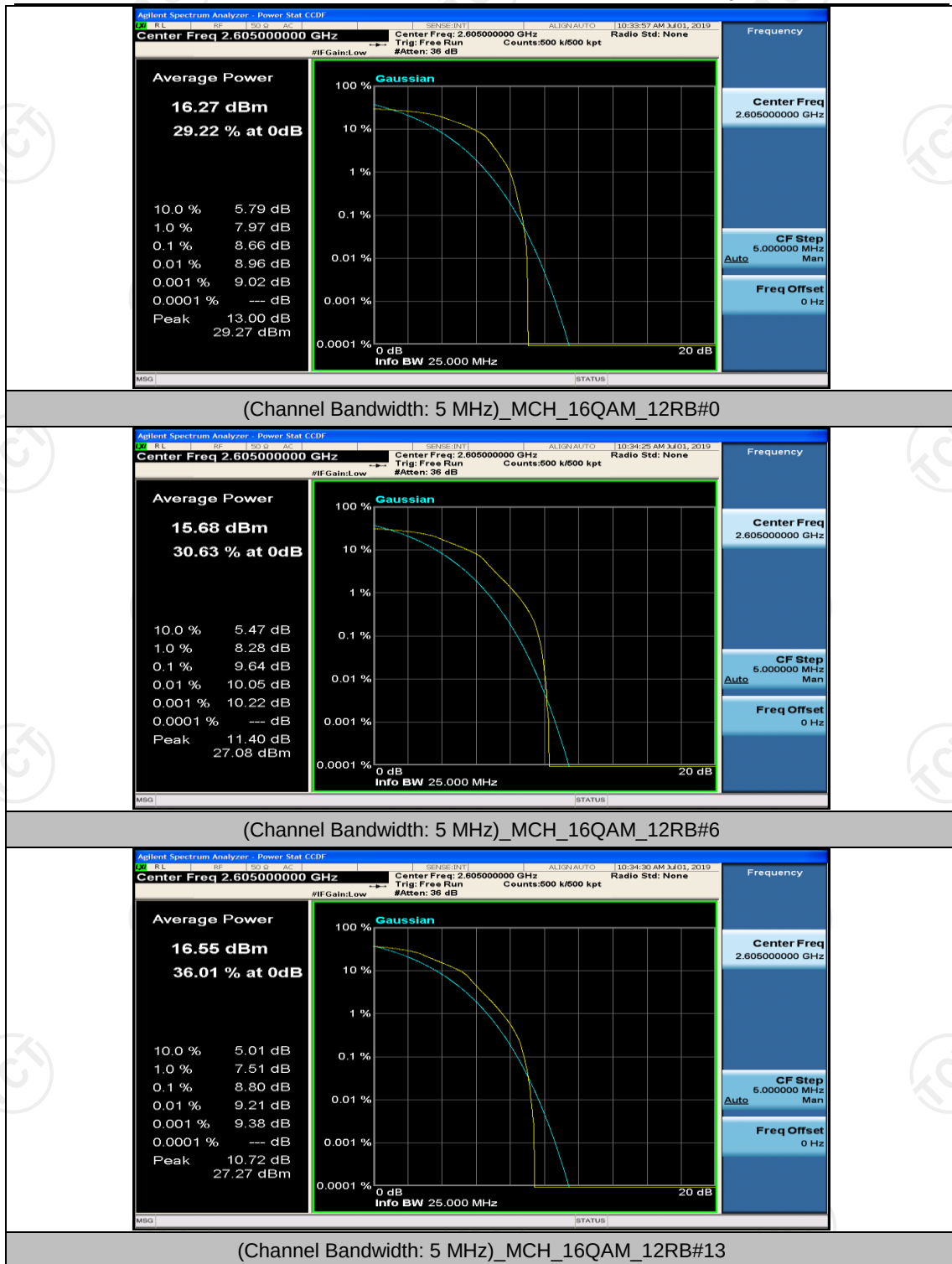
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

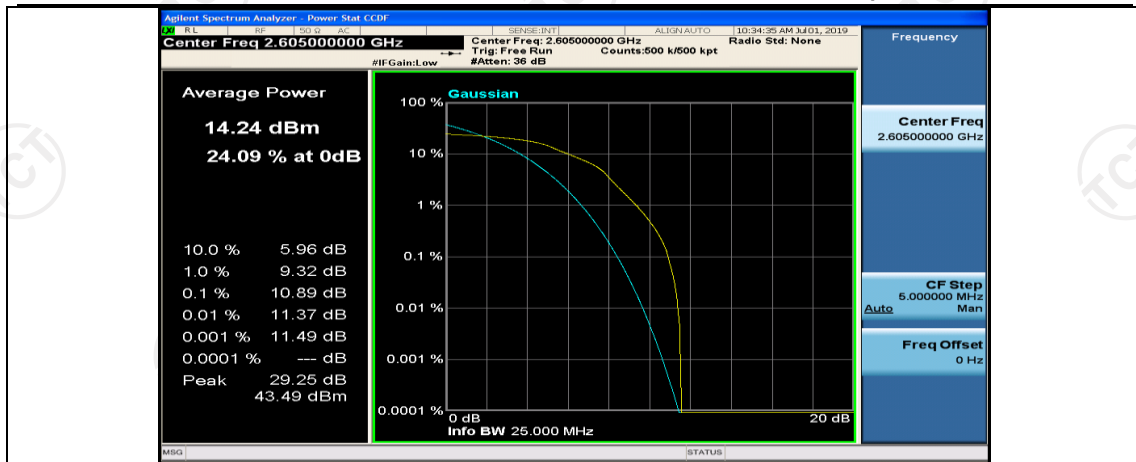


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

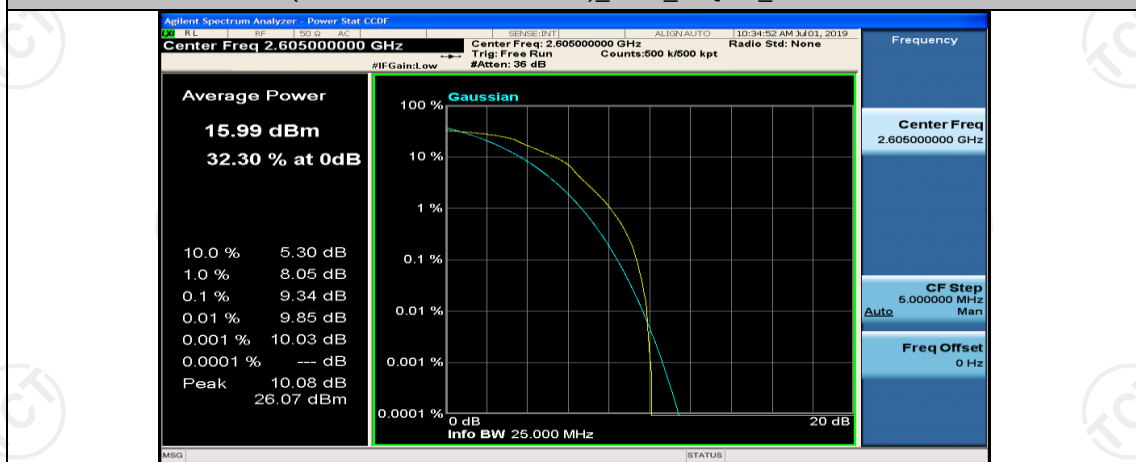


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

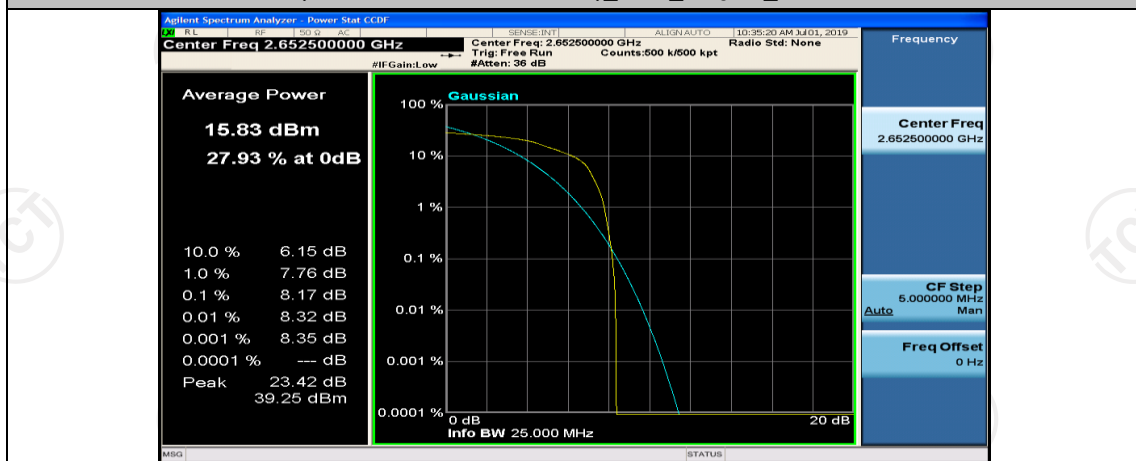




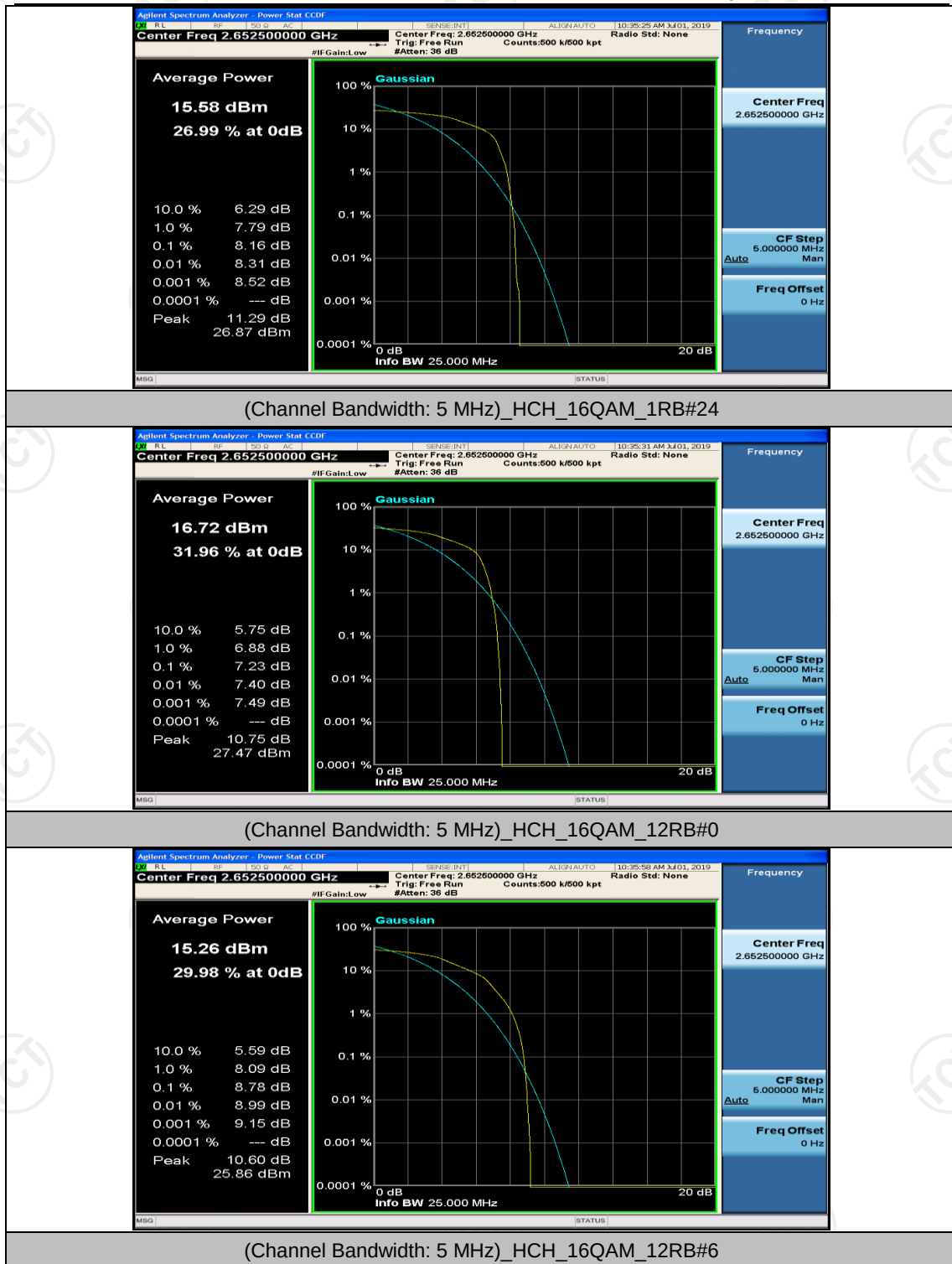
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

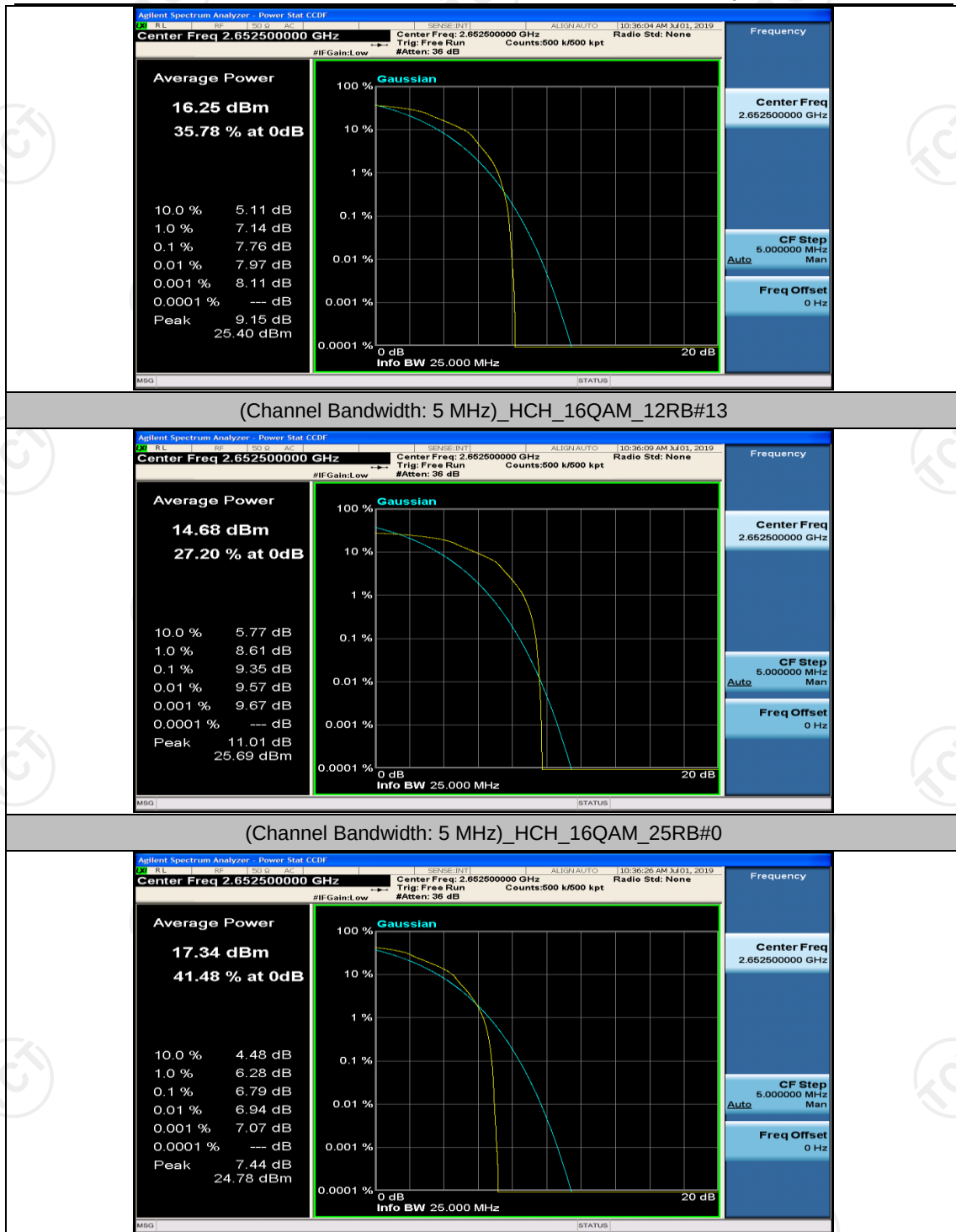


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



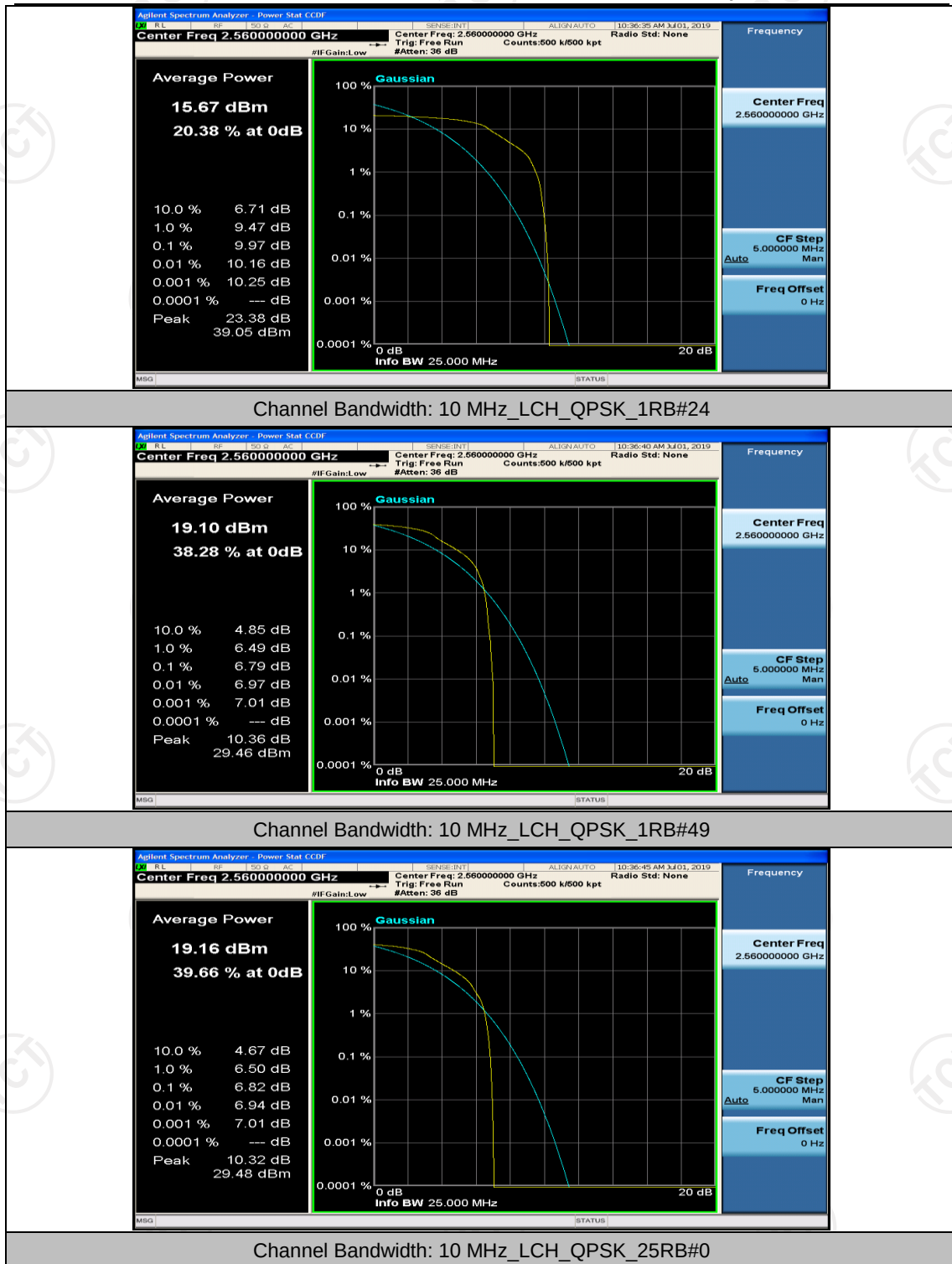
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

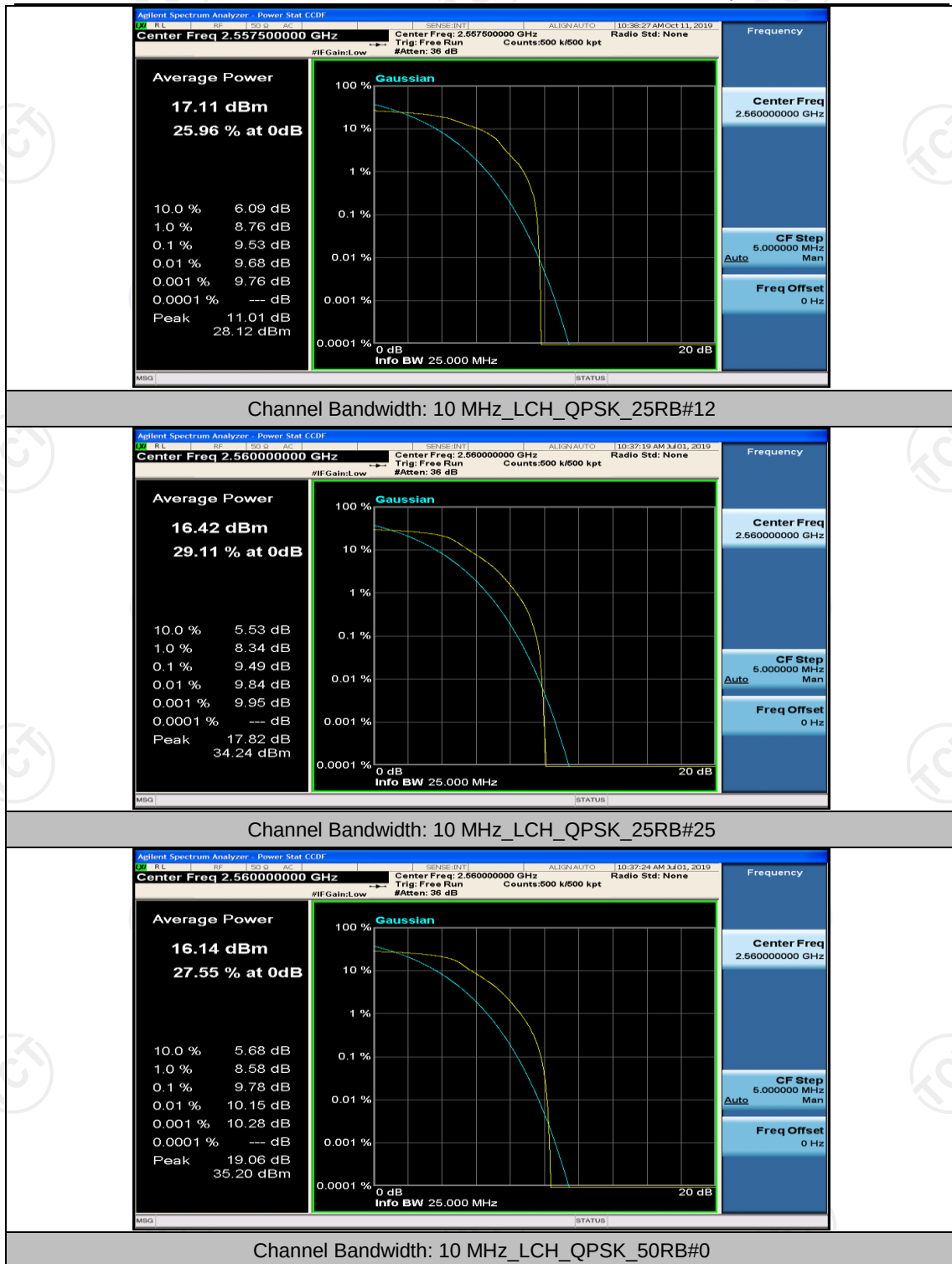


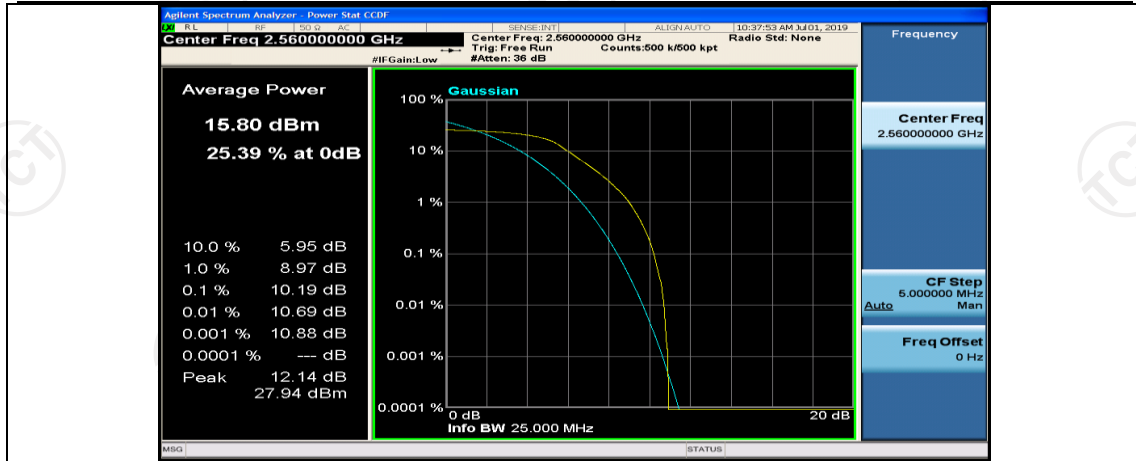


Channel Bandwidth: 10 MHz

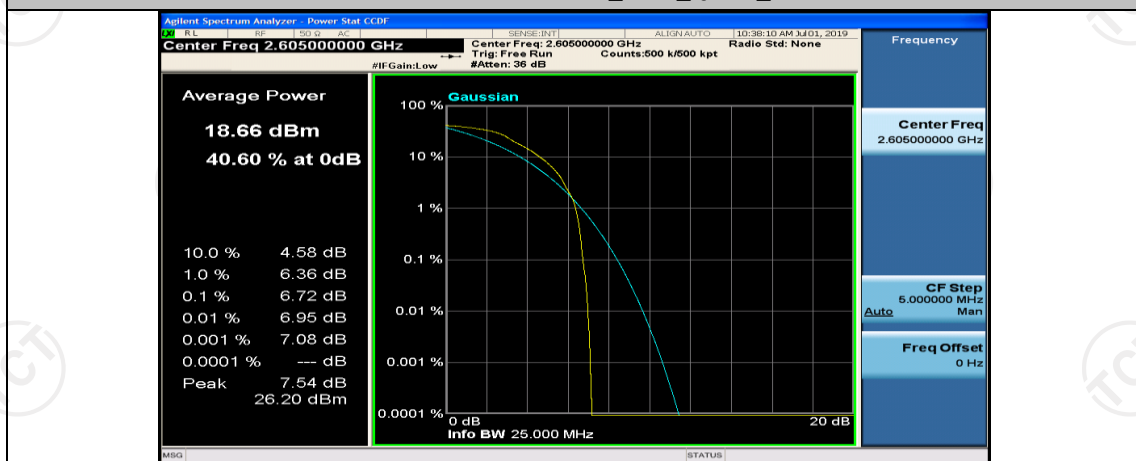
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



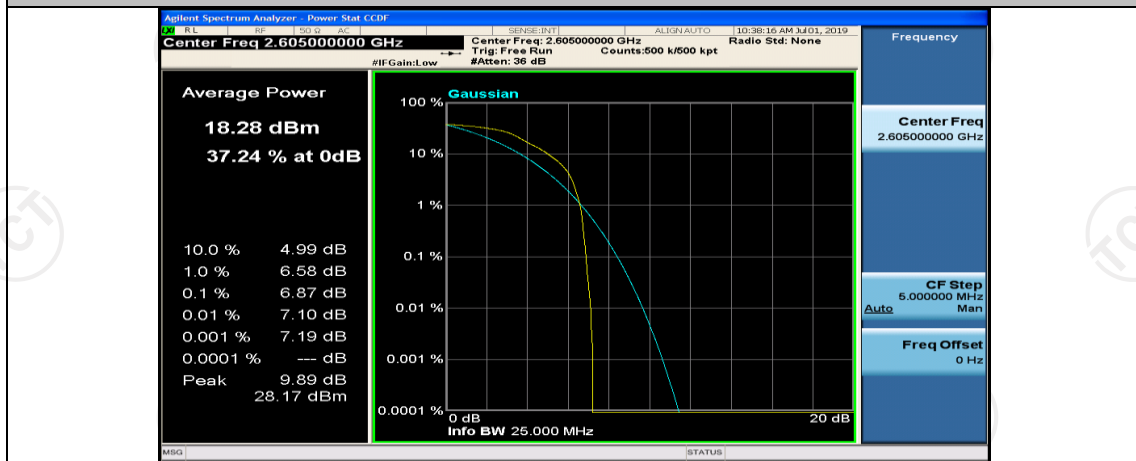




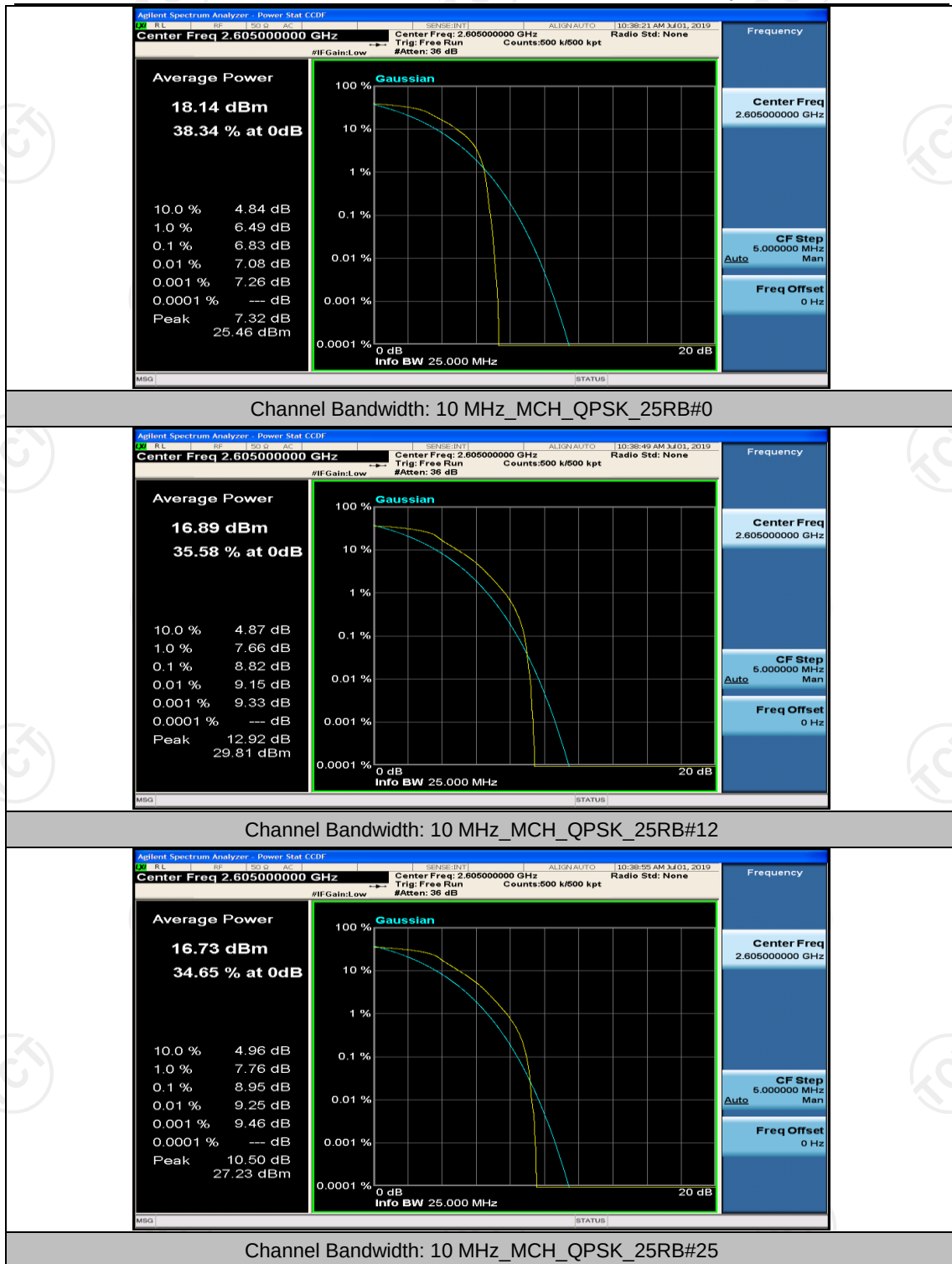
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

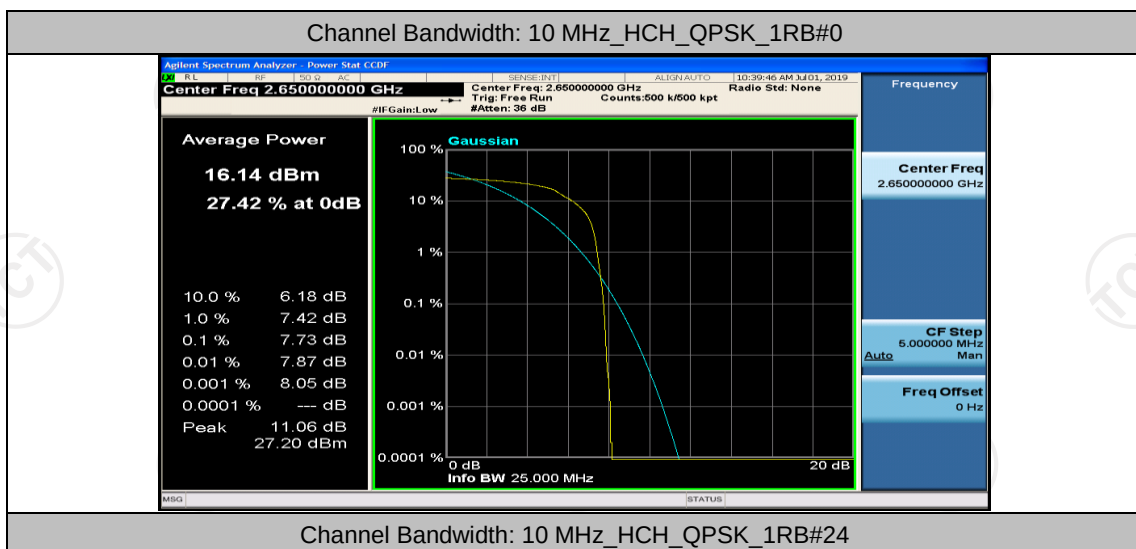
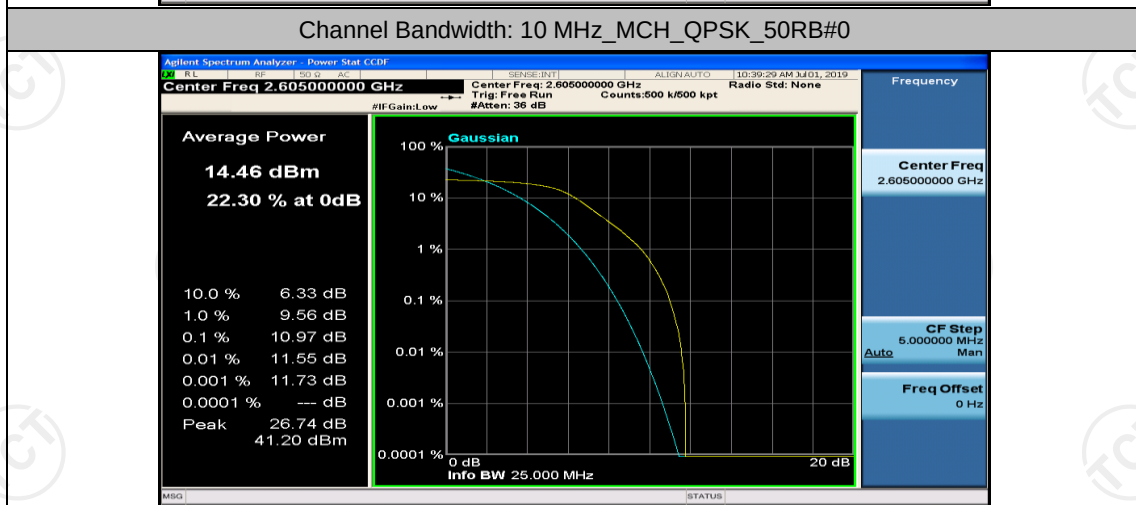
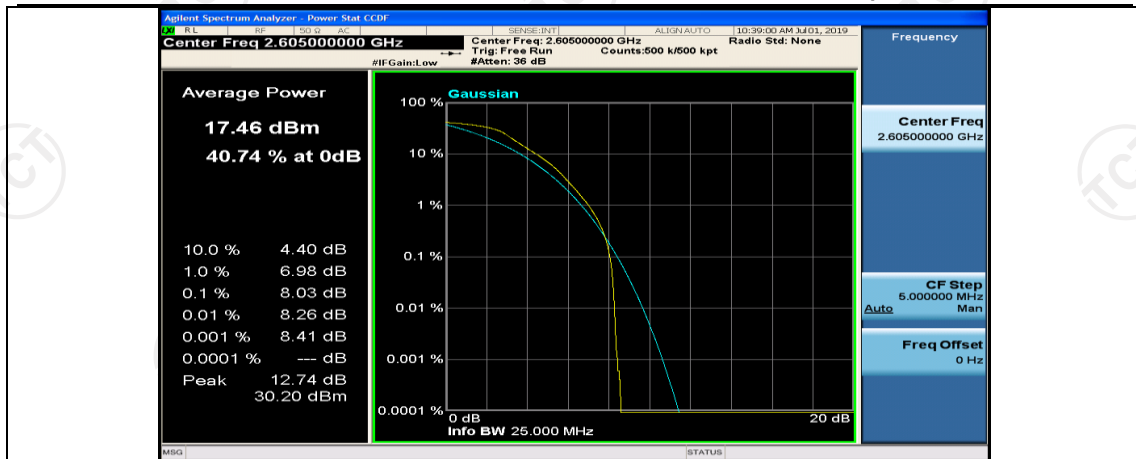


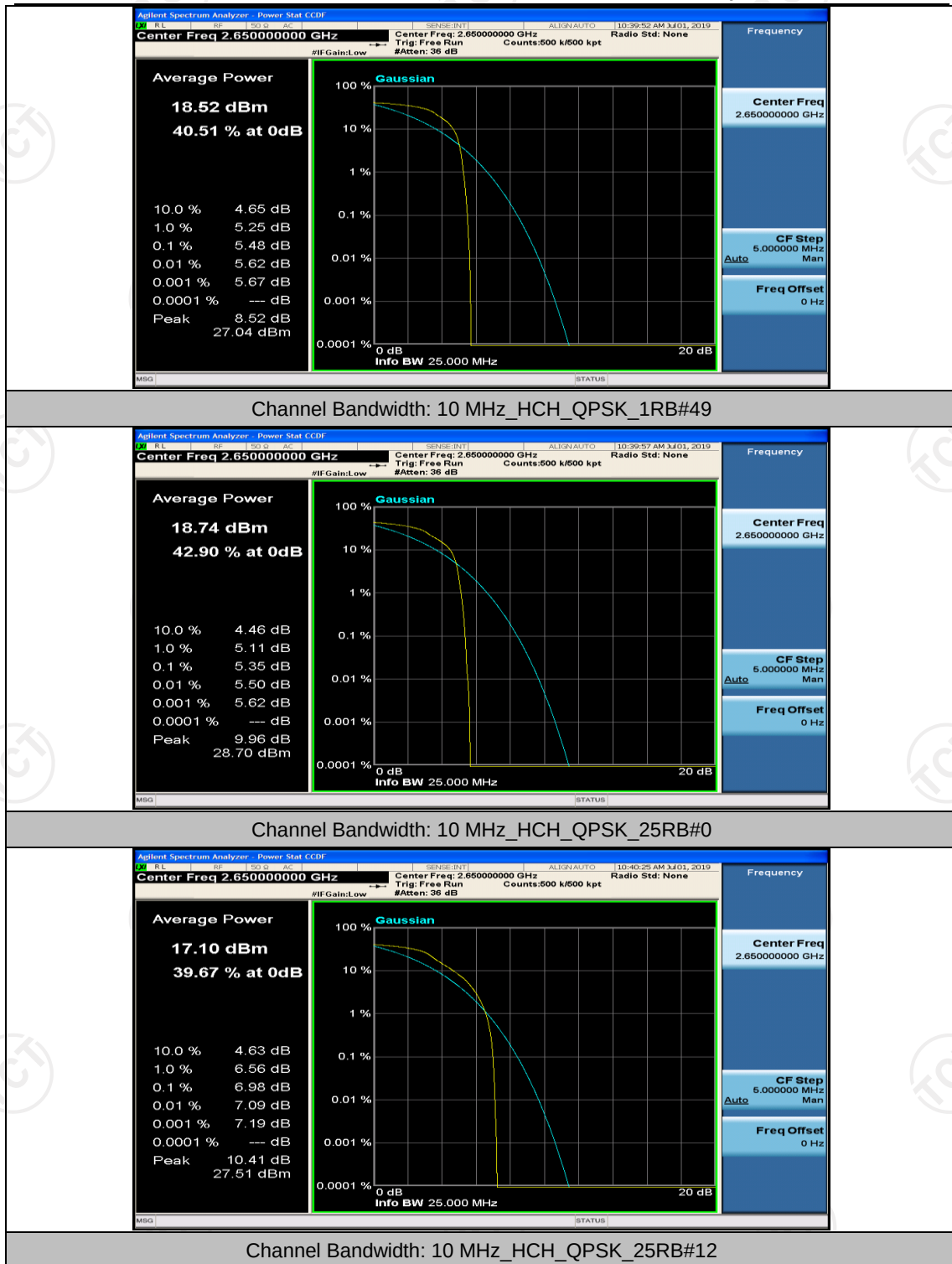
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

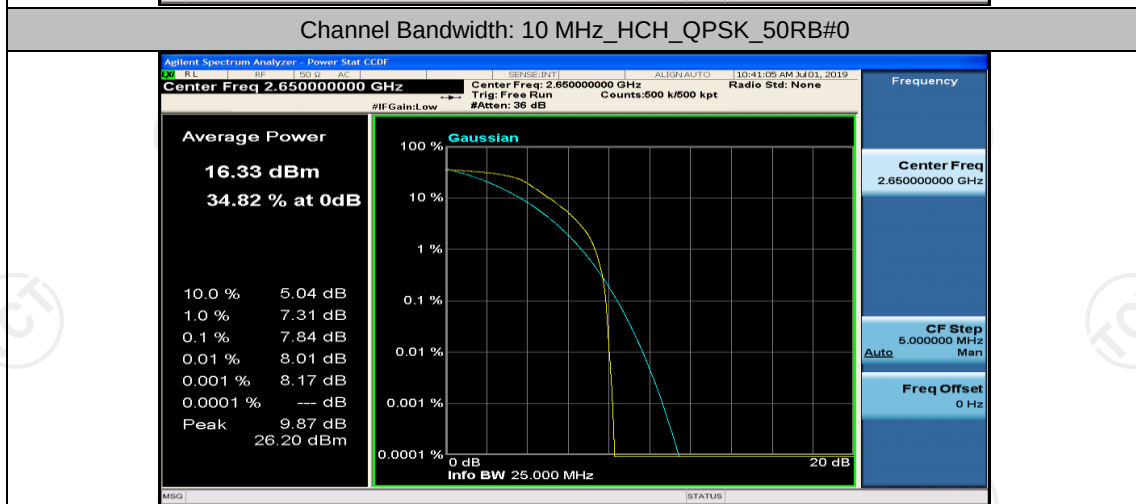
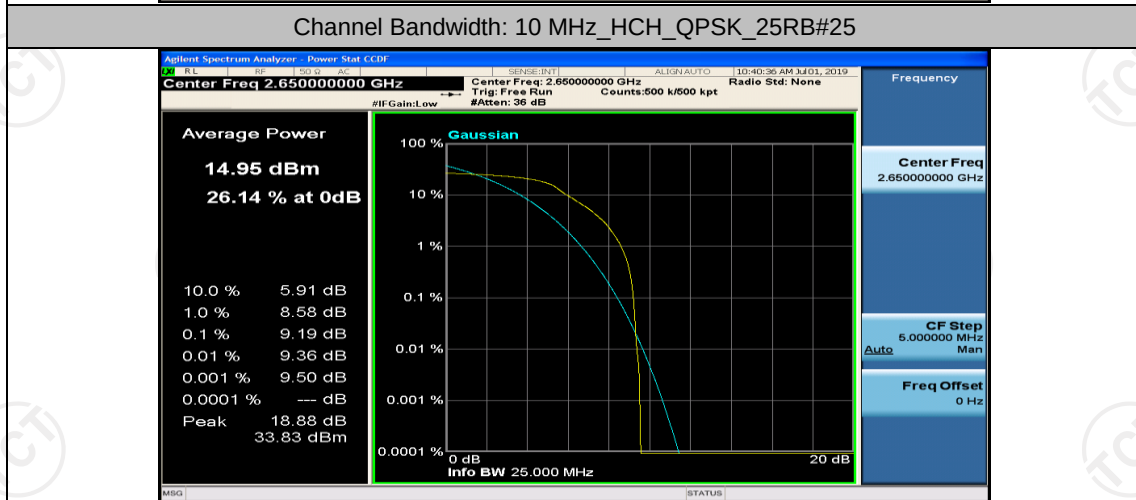
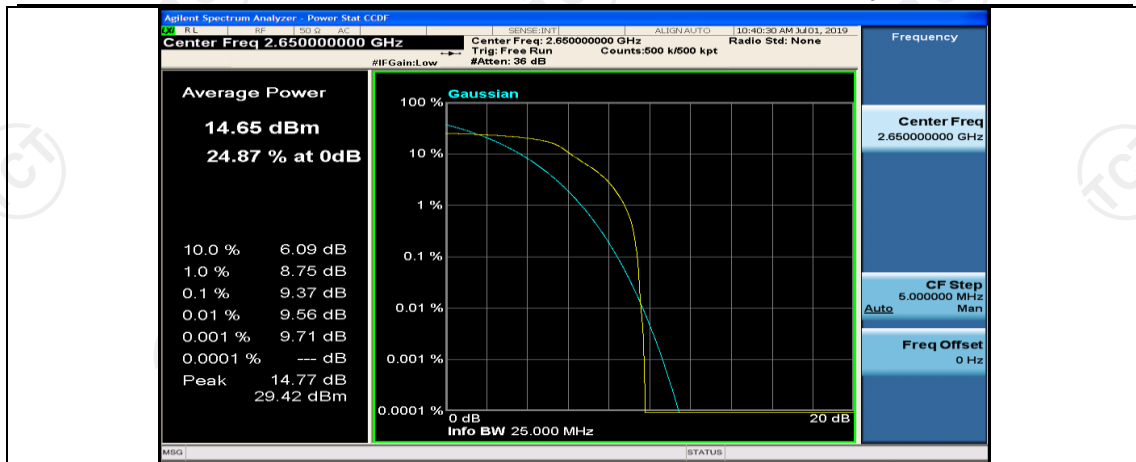


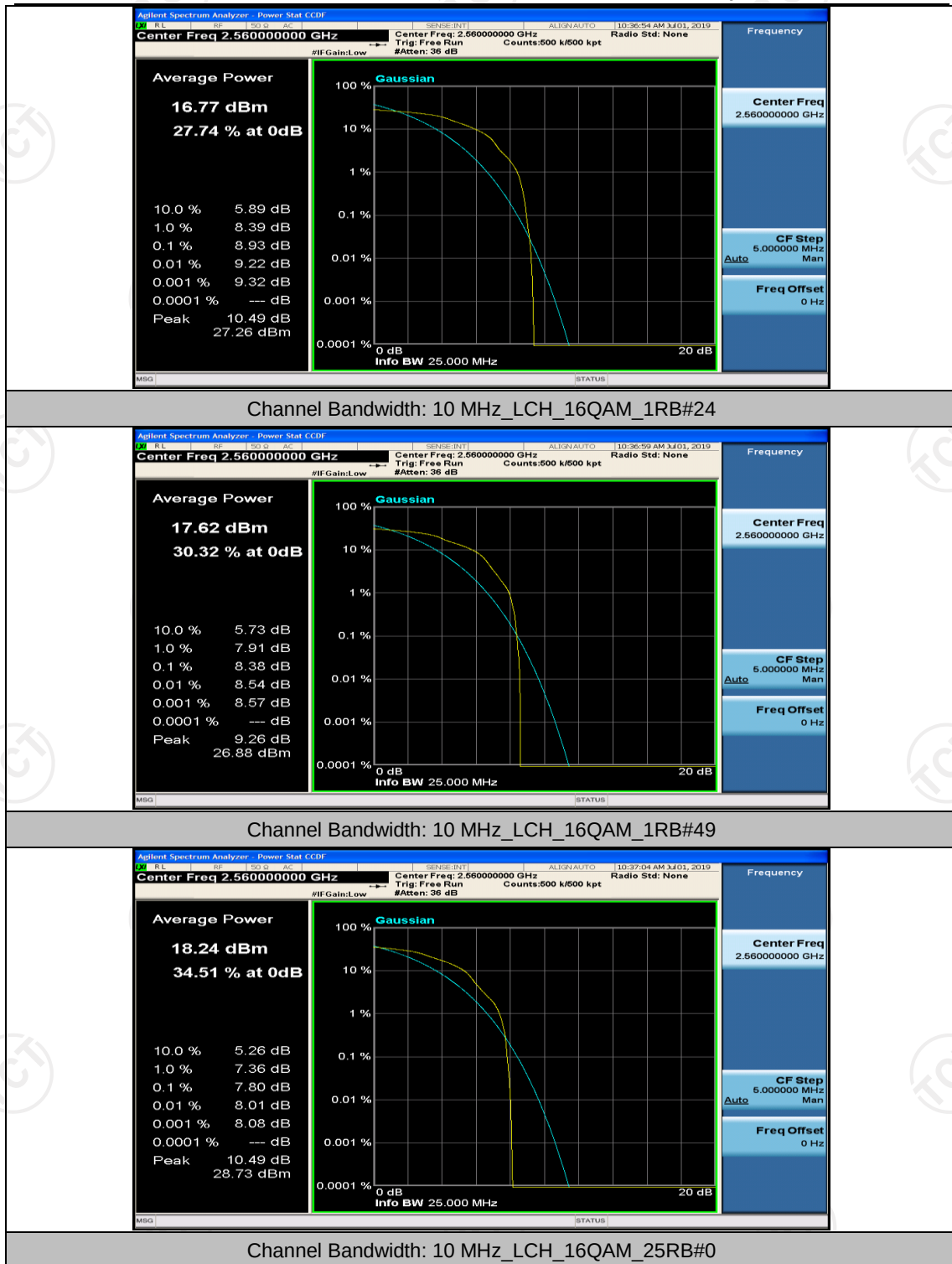
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

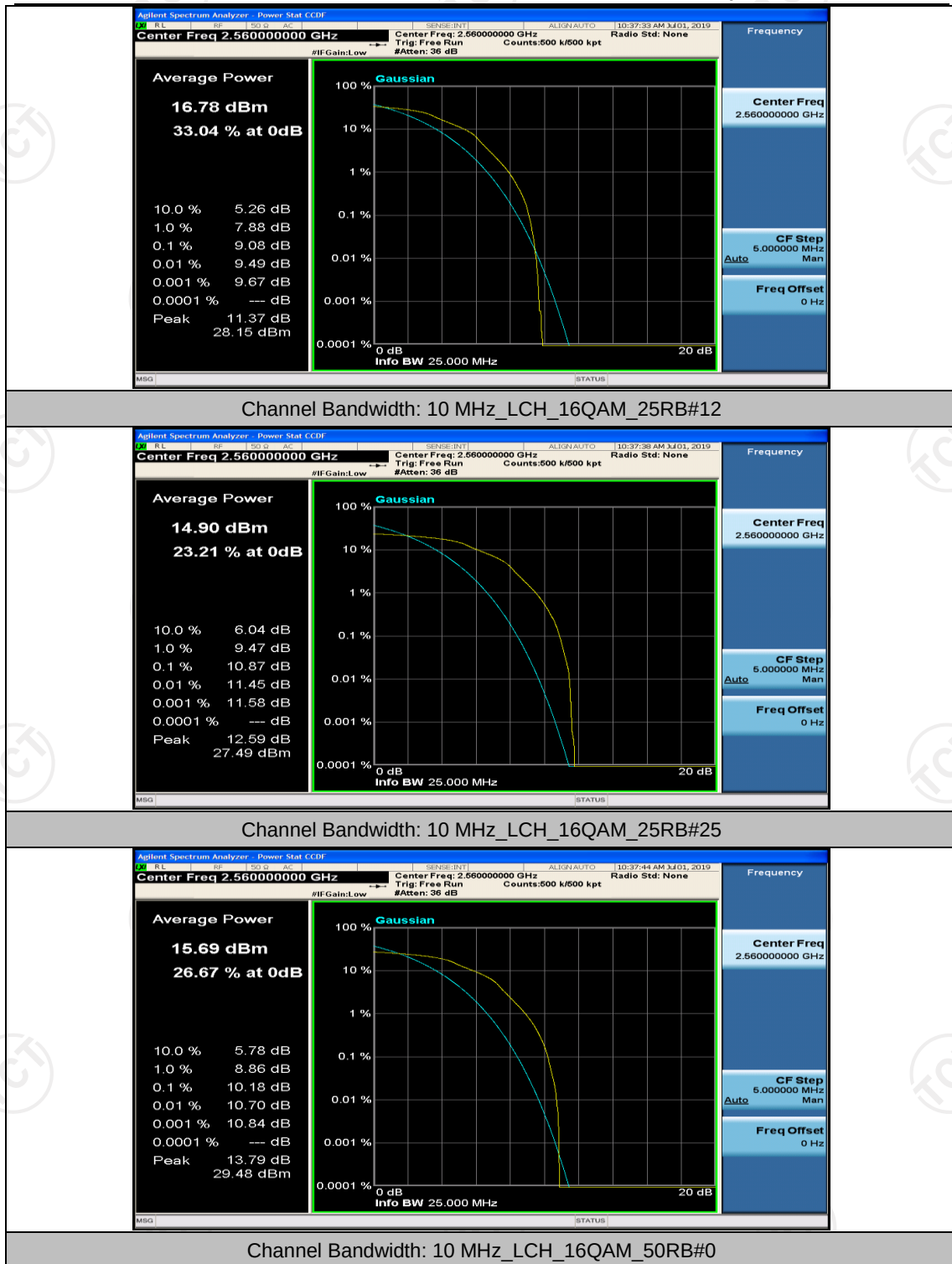


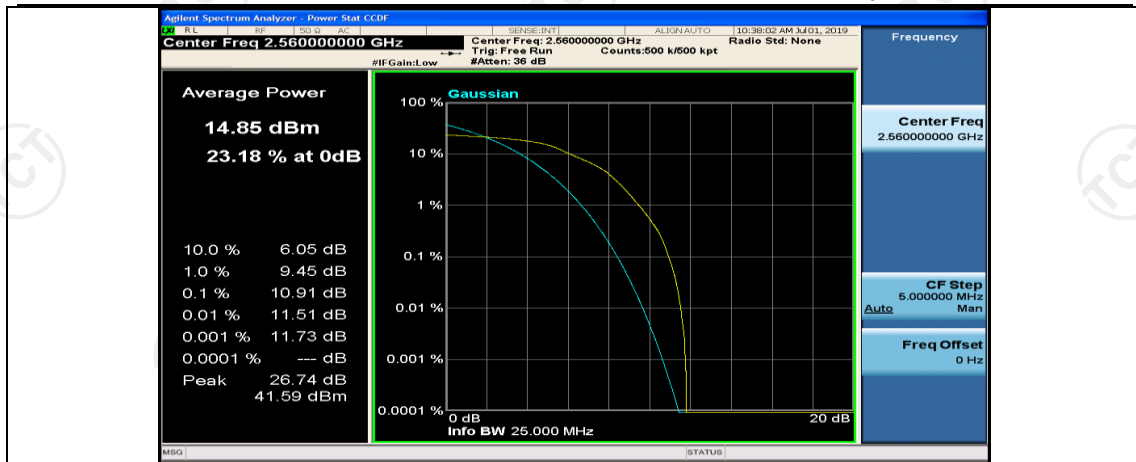




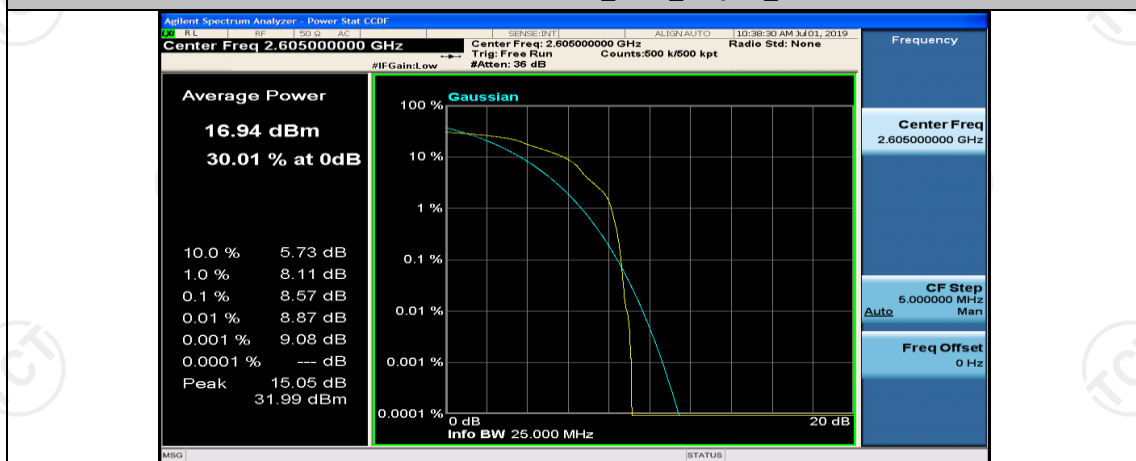




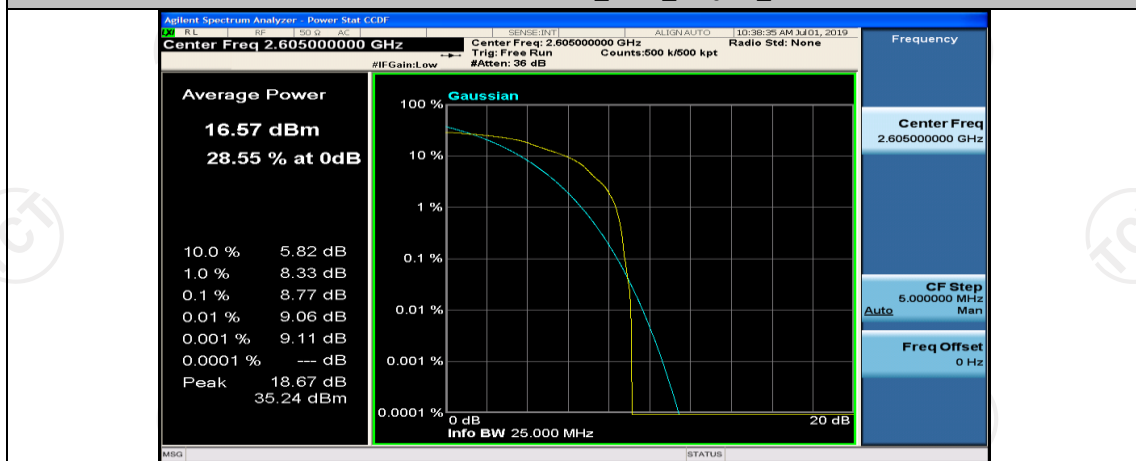




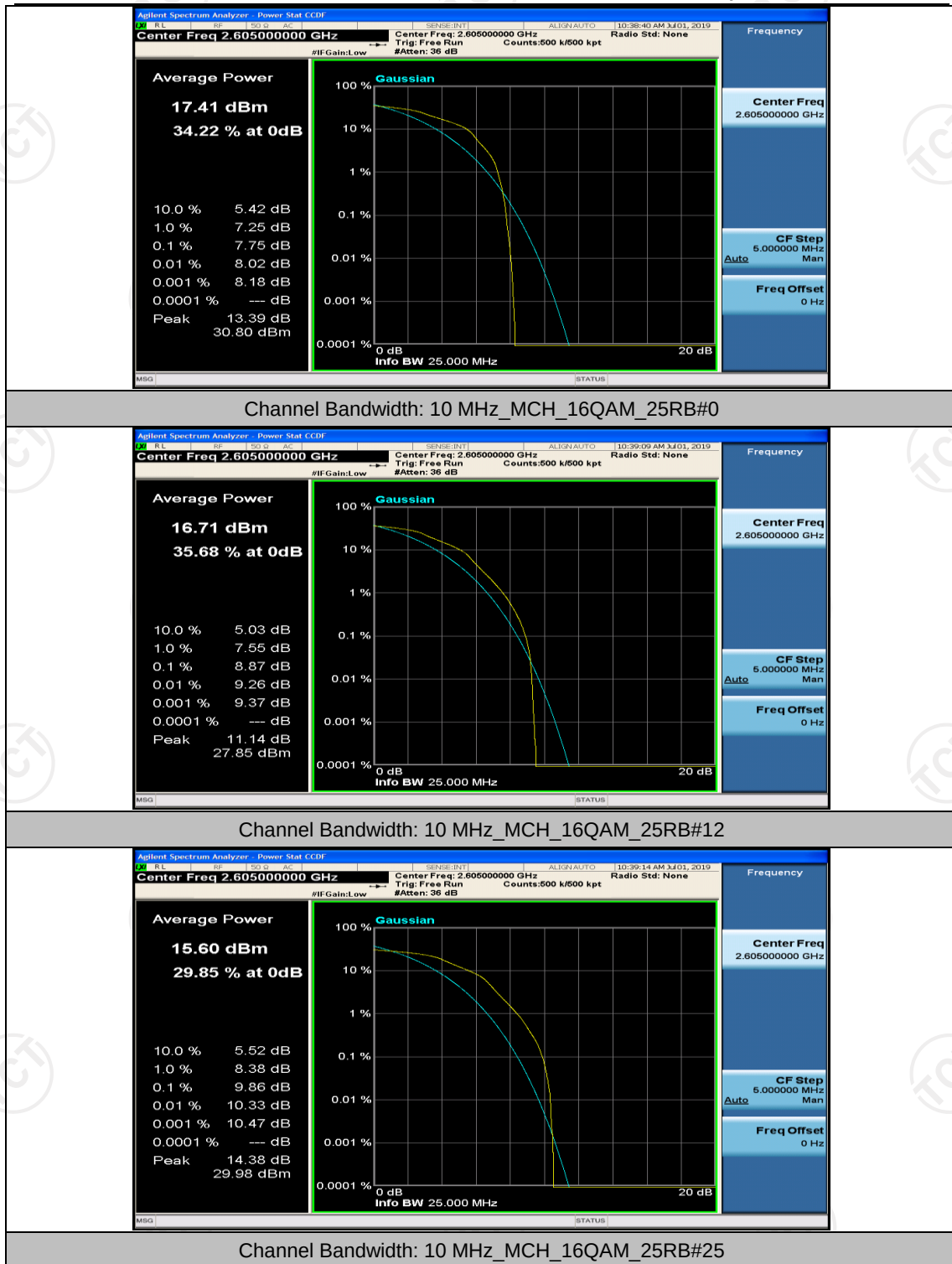
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

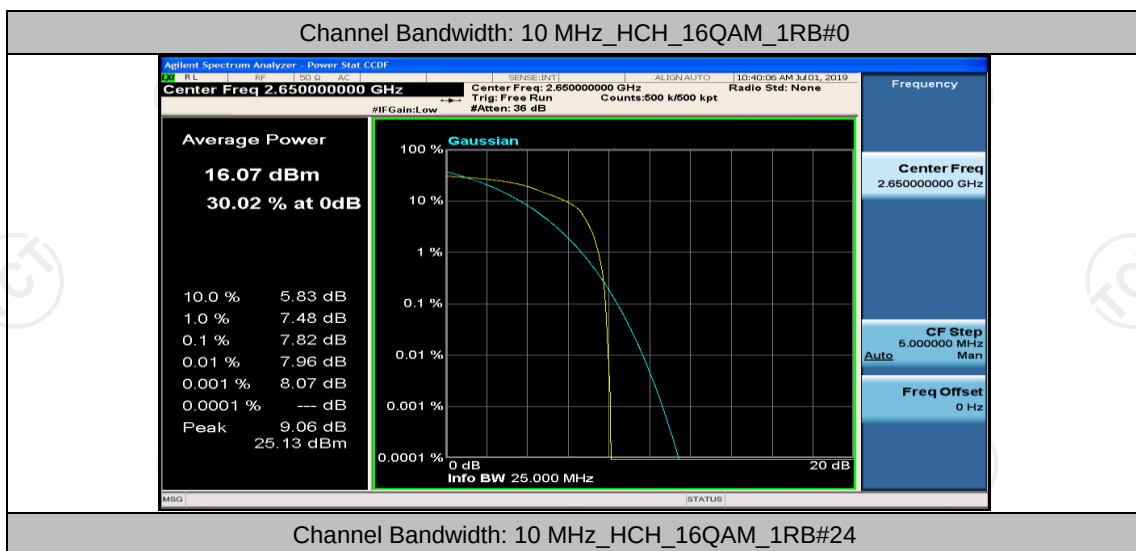
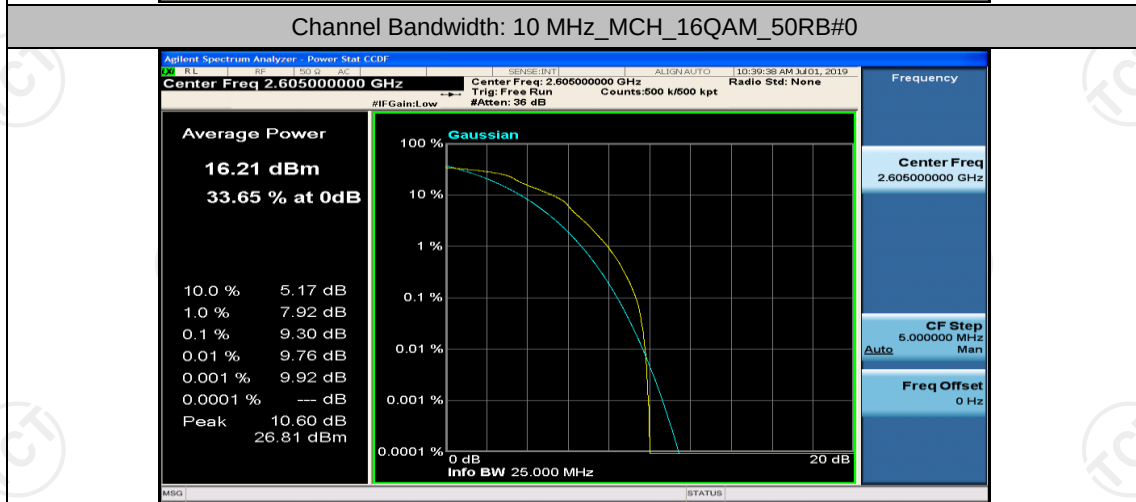
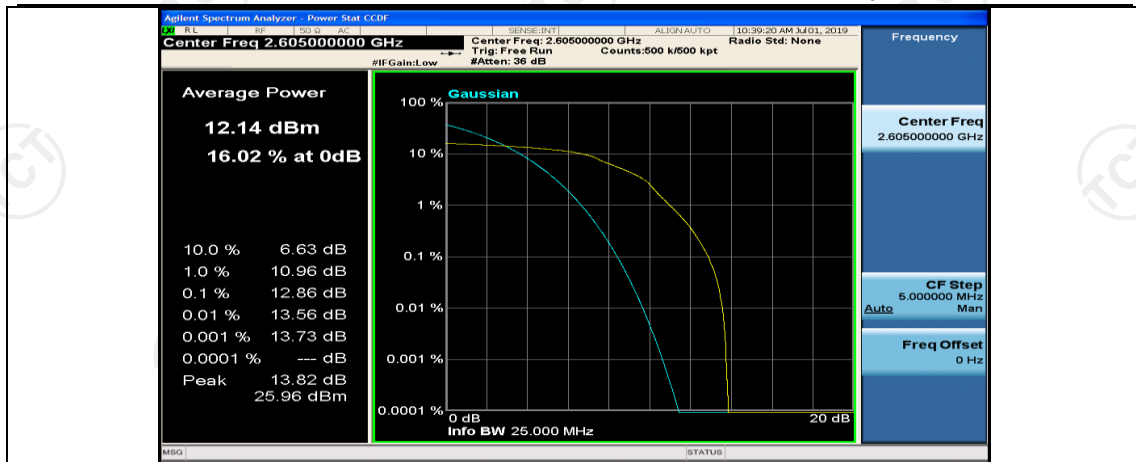


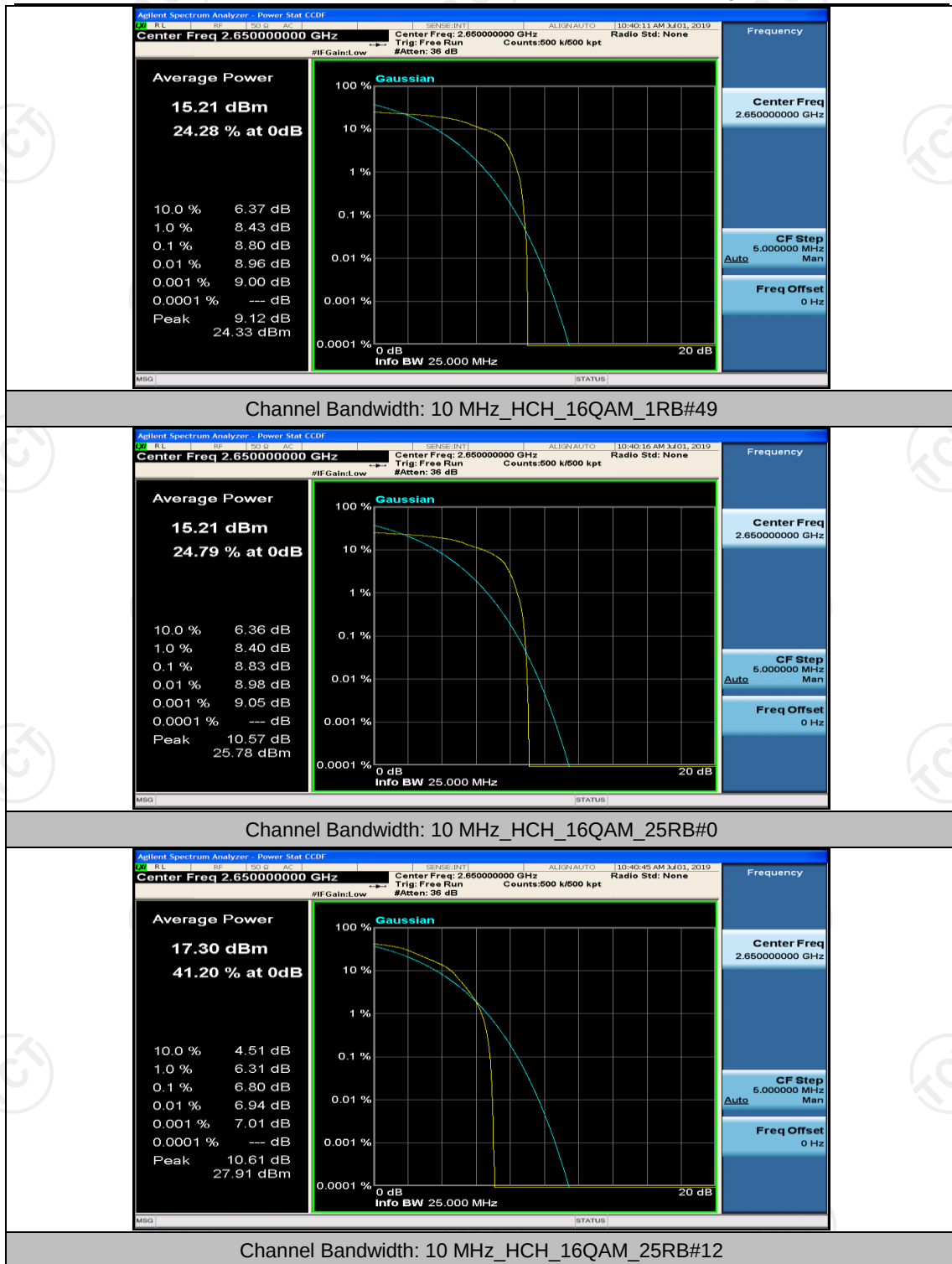
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

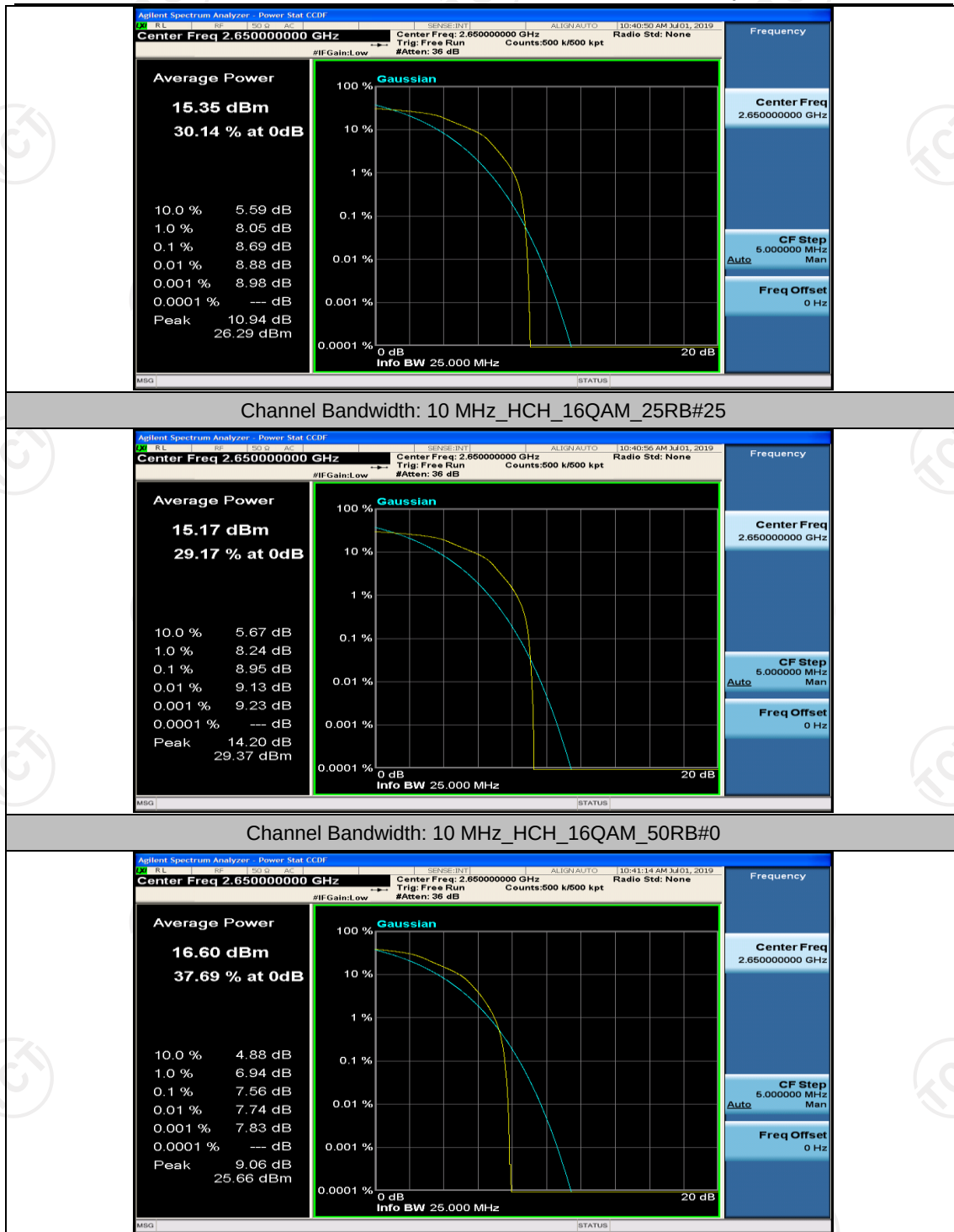


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

