

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.56	21.61	PASS
		1	3	23.52	21.57	PASS
		1	5	23.52	21.57	PASS
		3	0	23.61	21.66	PASS
		3	2	23.60	21.65	PASS
		3	3	23.63	21.68	PASS
		6	0	22.62	20.67	PASS
	MCH	1	0	23.62	21.67	PASS
		1	3	23.50	21.55	PASS
		1	5	23.53	21.58	PASS
		3	0	23.50	21.55	PASS
		3	2	23.50	21.55	PASS
		3	3	23.44	21.49	PASS
		6	0	22.47	20.52	PASS
	HCH	1	0	23.41	21.46	PASS
		1	3	23.44	21.49	PASS
		1	5	23.47	21.52	PASS
		3	0	23.43	21.48	PASS
		3	2	23.43	21.48	PASS
		3	3	23.47	21.52	PASS
		6	0	22.36	20.41	PASS
16QAM	LCH	1	0	22.49	20.54	PASS
		1	3	22.57	20.62	PASS
		1	5	22.54	20.59	PASS
		3	0	22.44	20.49	PASS
		3	2	22.45	20.50	PASS
		3	3	22.44	20.49	PASS
		6	0	21.84	19.89	PASS
	MCH	1	0	22.31	20.36	PASS
		1	3	22.44	20.49	PASS
		1	5	22.35	20.40	PASS
		3	0	22.35	20.40	PASS
		3	2	22.36	20.41	PASS

		3	3	22.36	20.41	PASS
		6	0	21.83	19.88	PASS
	HCH	1	0	22.67	20.72	PASS
		1	3	22.72	20.77	PASS
		1	5	22.76	20.81	PASS
		3	0	22.14	20.19	PASS
		3	2	22.17	20.22	PASS
		3	3	22.20	20.25	PASS
		6	0	21.65	19.70	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.50	21.55	PASS
		1	7	23.50	21.55	PASS
		1	14	23.55	21.60	PASS
		8	0	22.55	20.60	PASS
		8	4	22.55	20.60	PASS
		8	7	22.75	20.80	PASS
		15	0	22.49	20.54	PASS
	MCH	1	0	23.61	21.66	PASS
		1	7	23.50	21.55	PASS
		1	14	23.47	21.52	PASS
		8	0	22.37	20.42	PASS
		8	4	22.37	20.42	PASS
		8	7	22.42	20.47	PASS
		15	0	22.54	20.59	PASS
	HCH	1	0	23.47	21.52	PASS
		1	7	23.49	21.54	PASS
		1	14	23.52	21.57	PASS
		8	0	22.40	20.45	PASS
		8	4	22.40	20.45	PASS
		8	7	22.43	20.48	PASS
		15	0	22.33	20.38	PASS
16QAM	LCH	1	0	22.37	20.42	PASS
		1	7	22.25	20.30	PASS
		1	14	22.33	20.38	PASS
		8	0	21.77	19.82	PASS
		8	4	21.78	19.83	PASS
		8	7	21.73	19.78	PASS

	MCH	15	0	21.67	19.72	PASS
		1	0	22.12	20.17	PASS
		1	7	22.17	20.22	PASS
		1	14	22.13	20.18	PASS
		8	0	21.58	19.63	PASS
		8	4	21.60	19.65	PASS
		8	7	21.66	19.71	PASS
		15	0	21.45	19.50	PASS
	HCH	1	0	22.62	20.67	PASS
		1	7	22.64	20.69	PASS
		1	14	22.65	20.70	PASS
		8	0	21.49	19.54	PASS
		8	4	21.50	19.55	PASS
		8	7	21.51	19.56	PASS
		15	0	21.50	19.55	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.58	21.63	PASS
		1	12	23.55	21.60	PASS
		1	24	23.41	21.46	PASS
		12	0	22.49	20.54	PASS
		12	6	22.49	20.54	PASS
		12	13	22.54	20.59	PASS
		25	0	22.71	20.76	PASS
	MCH	1	0	23.45	21.50	PASS
		1	12	23.38	21.43	PASS
		1	24	23.41	21.46	PASS
		12	0	22.32	20.37	PASS
		12	6	22.32	20.37	PASS
		12	13	22.39	20.44	PASS
		25	0	22.58	20.63	PASS
	HCH	1	0	23.49	21.54	PASS
		1	12	23.57	21.62	PASS
		1	24	23.49	21.54	PASS
		12	0	22.40	20.45	PASS
		12	6	22.40	20.45	PASS
		12	13	22.48	20.53	PASS
		25	0	22.44	20.49	PASS

16QAM	LCH	1	0	22.03	20.08	PASS
		1	12	22.03	20.08	PASS
		1	24	22.00	20.05	PASS
		12	0	21.67	19.72	PASS
		12	6	21.60	19.65	PASS
		12	13	21.58	19.63	PASS
		25	0	21.66	19.71	PASS
	MCH	1	0	22.64	20.69	PASS
		1	12	22.64	20.69	PASS
		1	24	22.57	20.62	PASS
		12	0	21.58	19.63	PASS
		12	6	21.59	19.64	PASS
		12	13	21.62	19.67	PASS
		25	0	21.66	19.71	PASS
	HCH	1	0	22.21	20.26	PASS
		1	12	22.26	20.31	PASS
		1	24	22.15	20.20	PASS
		12	0	21.40	19.45	PASS
		12	6	21.41	19.46	PASS
		12	13	21.42	19.47	PASS
		25	0	21.52	19.57	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.55	21.60	PASS
		1	24	23.46	21.51	PASS
		1	49	23.38	21.43	PASS
		25	0	22.75	20.80	PASS
		25	12	22.75	20.80	PASS
		25	25	22.52	20.57	PASS
		50	0	22.51	20.56	PASS
	MCH	1	0	23.41	21.46	PASS
		1	24	23.33	21.38	PASS
		1	49	23.43	21.48	PASS
		25	0	22.50	20.55	PASS
		25	12	22.50	20.55	PASS
		25	25	22.46	20.51	PASS
		50	0	22.55	20.60	PASS
	HCH	1	0	23.59	21.64	PASS

		1	24	23.46	21.51	PASS
		1	49	23.41	21.46	PASS
		25	0	22.42	20.47	PASS
		25	12	22.42	20.47	PASS
		25	25	22.34	20.39	PASS
		50	0	22.36	20.41	PASS
16QAM	LCH	1	0	22.58	20.63	PASS
		1	24	22.62	20.67	PASS
		1	49	22.46	20.51	PASS
		25	0	21.60	19.65	PASS
		25	12	21.61	19.66	PASS
		25	25	21.56	19.61	PASS
		50	0	21.64	19.69	PASS
	MCH	1	0	22.46	20.51	PASS
		1	24	22.34	20.39	PASS
		1	49	22.34	20.39	PASS
		25	0	21.69	19.74	PASS
		25	12	21.68	19.73	PASS
		25	25	21.59	19.64	PASS
		50	0	21.66	19.71	PASS
	HCH	1	0	22.89	20.94	PASS
		1	24	22.90	20.95	PASS
		1	49	22.90	20.95	PASS
		25	0	21.60	19.65	PASS
		25	12	21.60	19.65	PASS
		25	25	21.62	19.67	PASS
		50	0	21.59	19.64	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.29	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.38	<13	PASS
		3	0	4.40	<13	PASS
		3	2	4.47	<13	PASS
		3	3	4.41	<13	PASS
		6	0	4.93	<13	PASS
	MCH	1	0	4.55	<13	PASS
		1	3	4.70	<13	PASS
		1	5	4.60	<13	PASS
		3	0	4.73	<13	PASS
		3	2	4.74	<13	PASS
		3	3	4.75	<13	PASS
		6	0	5.18	<13	PASS
	HCH	1	0	4.18	<13	PASS
		1	3	4.02	<13	PASS
		1	5	3.87	<13	PASS
		3	0	4.14	<13	PASS
		3	2	4.21	<13	PASS
		3	3	4.06	<13	PASS
		6	0	4.79	<13	PASS
16QAM	LCH	1	0	5.36	<13	PASS
		1	3	5.37	<13	PASS
		1	5	5.28	<13	PASS
		3	0	5.26	<13	PASS
		3	2	5.24	<13	PASS
		3	3	5.38	<13	PASS
		6	0	5.73	<13	PASS
	MCH	1	0	5.56	<13	PASS
		1	3	5.46	<13	PASS
		1	5	5.52	<13	PASS
		3	0	5.44	<13	PASS

		3	2	5.56	<13	PASS
		3	3	5.63	<13	PASS
		6	0	5.92	<13	PASS
	HCH	1	0	4.84	<13	PASS
		1	3	4.72	<13	PASS
		1	5	4.49	<13	PASS
		3	0	5.18	<13	PASS
		3	2	5.23	<13	PASS
		3	3	5.04	<13	PASS
		6	0	5.61	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.41	<13	PASS
		1	7	4.45	<13	PASS
		1	14	4.30	<13	PASS
		8	0	5.00	<13	PASS
		8	4	5.01	<13	PASS
		8	7	4.94	<13	PASS
		15	0	4.96	<13	PASS
	MCH	1	0	4.50	<13	PASS
		1	7	4.67	<13	PASS
		1	14	4.75	<13	PASS
		8	0	5.14	<13	PASS
		8	4	5.14	<13	PASS
		8	7	5.18	<13	PASS
		15	0	5.18	<13	PASS
	HCH	1	0	4.28	<13	PASS
		1	7	4.00	<13	PASS
		1	14	3.76	<13	PASS
		8	0	5.03	<13	PASS
		8	4	5.01	<13	PASS
		8	7	4.86	<13	PASS
		15	0	4.96	<13	PASS
16QAM	LCH	1	0	5.44	<13	PASS
		1	7	5.38	<13	PASS
		1	14	5.50	<13	PASS
		8	0	5.71	<13	PASS
		8	4	5.74	<13	PASS

		8	7	5.70	<13	PASS
		15	0	5.79	<13	PASS
	MCH	1	0	5.68	<13	PASS
		1	7	5.60	<13	PASS
		1	14	5.81	<13	PASS
		8	0	5.90	<13	PASS
		8	4	5.82	<13	PASS
		8	7	5.93	<13	PASS
		15	0	6.00	<13	PASS
	HCH	1	0	5.35	<13	PASS
		1	7	5.22	<13	PASS
		1	14	4.99	<13	PASS
		8	0	5.72	<13	PASS
		8	4	5.71	<13	PASS
		8	7	5.62	<13	PASS
		15	0	5.80	<13	PASS

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	4.60	<13	PASS
		1	12	4.47	<13	PASS
		1	24	4.66	<13	PASS
		12	0	4.90	<13	PASS
		12	6	4.90	<13	PASS
		12	13	4.87	<13	PASS
		25	0	4.95	<13	PASS
	MCH	1	0	4.67	<13	PASS
		1	12	4.80	<13	PASS
		1	24	5.05	<13	PASS
		12	0	5.01	<13	PASS
		12	6	5.04	<13	PASS
		12	13	5.18	<13	PASS
		25	0	5.15	<13	PASS
	HCH	1	0	4.81	<13	PASS
		1	12	4.50	<13	PASS
		1	24	4.14	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.20	<13	PASS
		12	13	5.03	<13	PASS

		25	0	5.08	<13	PASS
16QAM	LCH	1	0	5.37	<13	PASS
		1	12	5.48	<13	PASS
		1	24	5.27	<13	PASS
		12	0	5.73	<13	PASS
		12	6	5.72	<13	PASS
		12	13	5.77	<13	PASS
		25	0	5.68	<13	PASS
		25	0	5.68	<13	PASS
	MCH	1	0	5.55	<13	PASS
		1	12	5.61	<13	PASS
		1	24	5.83	<13	PASS
		12	0	5.87	<13	PASS
		12	6	5.82	<13	PASS
		12	13	5.93	<13	PASS
		25	0	5.87	<13	PASS
		25	0	5.87	<13	PASS
	HCH	1	0	5.44	<13	PASS
		1	12	5.18	<13	PASS
		1	24	4.79	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.84	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.81	<13	PASS
		25	0	5.81	<13	PASS

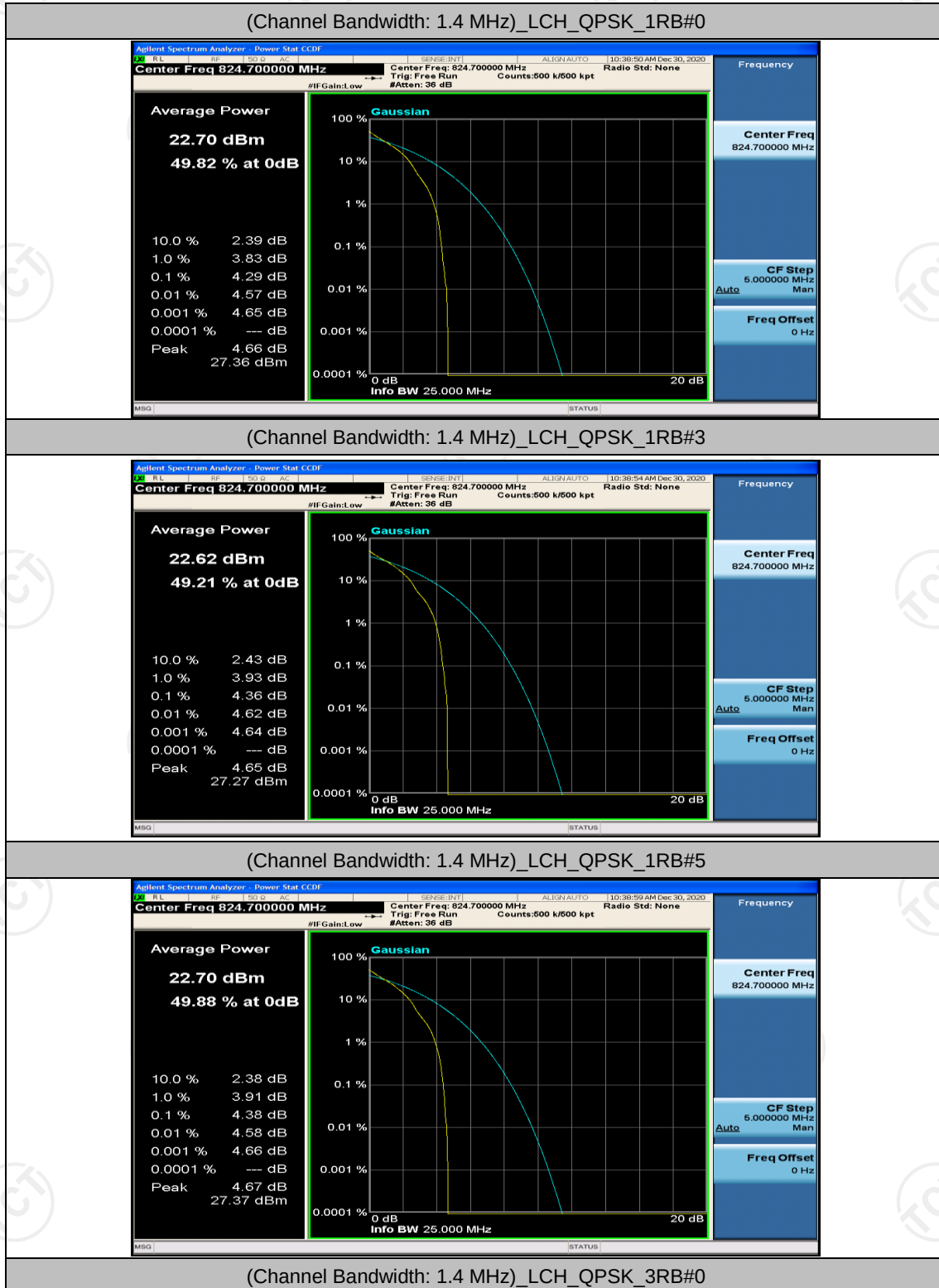
Channel Bandwidth: 10 MHz

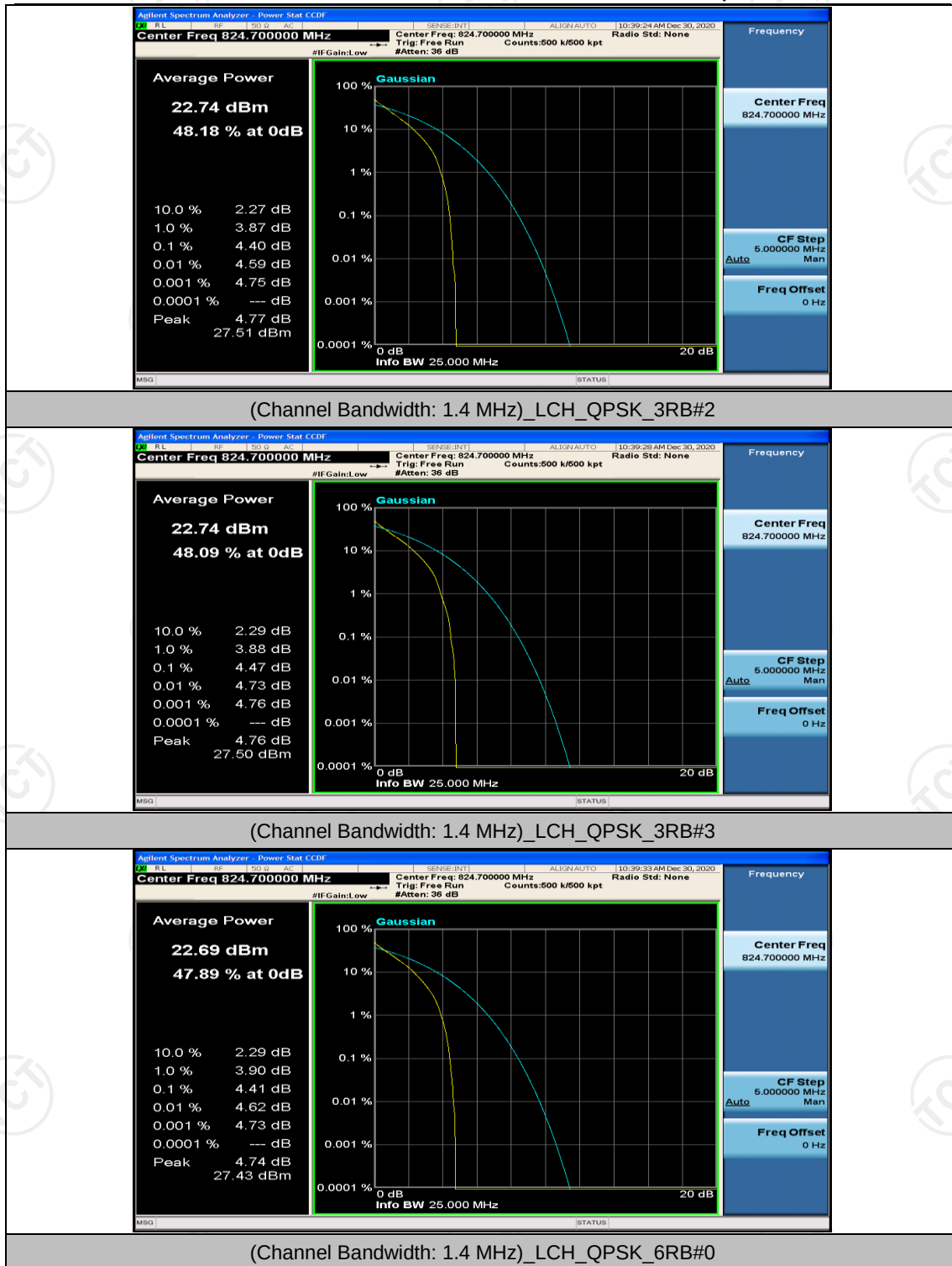
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.44	<13	PASS
		1	24	4.42	<13	PASS
		1	49	4.53	<13	PASS
		25	0	4.96	<13	PASS
		25	12	4.90	<13	PASS
		25	25	4.94	<13	PASS
		50	0	5.00	<13	PASS
		50	0	5.00	<13	PASS
	MCH	1	0	4.41	<13	PASS
		1	24	4.65	<13	PASS
		1	49	4.90	<13	PASS
		25	0	5.11	<13	PASS
		25	12	5.08	<13	PASS
		25	25	5.31	<13	PASS
		50	0	5.19	<13	PASS
		50	0	5.19	<13	PASS

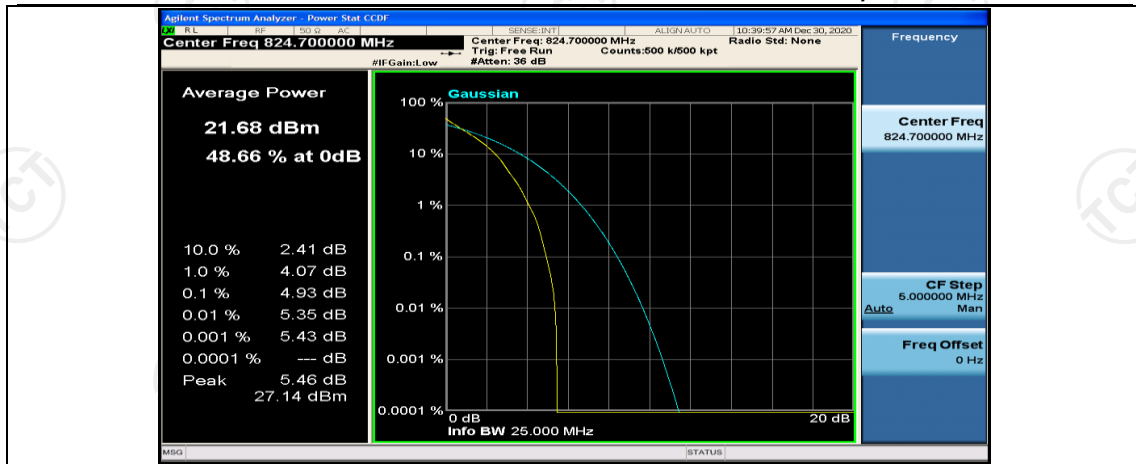
	HCH	1	0	4.82	<13	PASS
		1	24	4.70	<13	PASS
		1	49	4.00	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.35	<13	PASS
		25	25	5.09	<13	PASS
		50	0	5.25	<13	PASS
16QAM	LCH	1	0	5.40	<13	PASS
		1	24	5.25	<13	PASS
		1	49	5.40	<13	PASS
		25	0	5.78	<13	PASS
		25	12	5.78	<13	PASS
		25	25	5.78	<13	PASS
		50	0	5.72	<13	PASS
	MCH	1	0	5.40	<13	PASS
		1	24	5.56	<13	PASS
		1	49	5.83	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.90	<13	PASS
		25	25	6.11	<13	PASS
		50	0	5.88	<13	PASS
	HCH	1	0	5.48	<13	PASS
		1	24	5.43	<13	PASS
		1	49	5.04	<13	PASS
		25	0	6.02	<13	PASS
		25	12	6.02	<13	PASS
		25	25	5.90	<13	PASS
		50	0	5.94	<13	PASS

Test Graphs

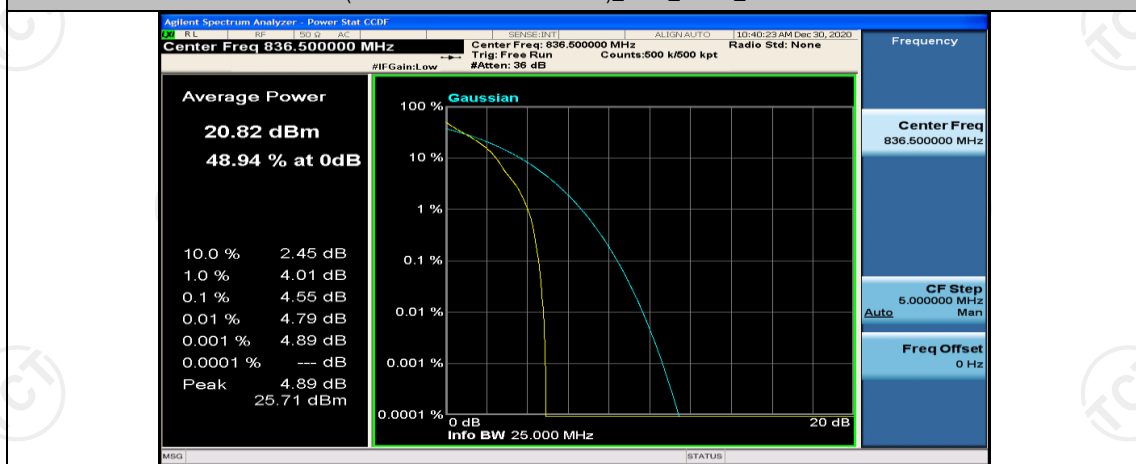
Channel Bandwidth: 1.4 MHz



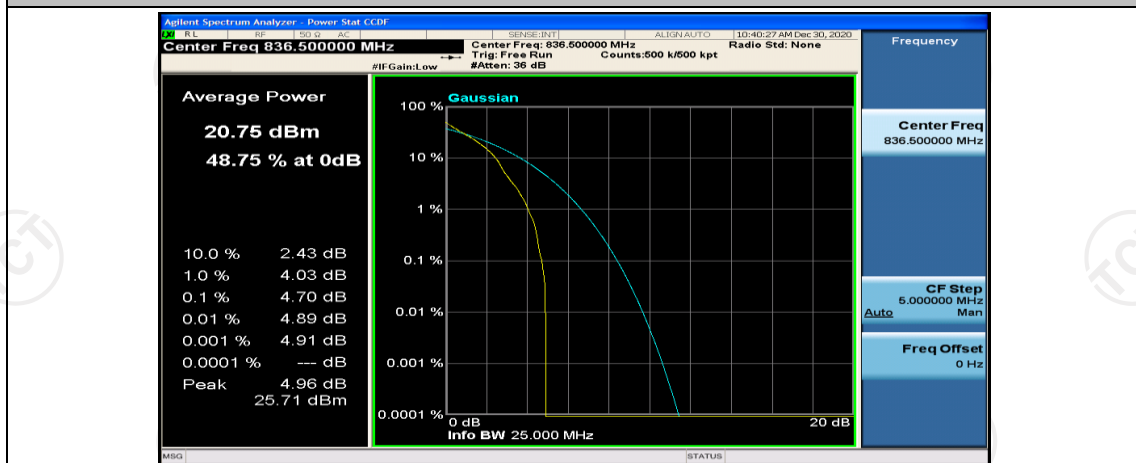




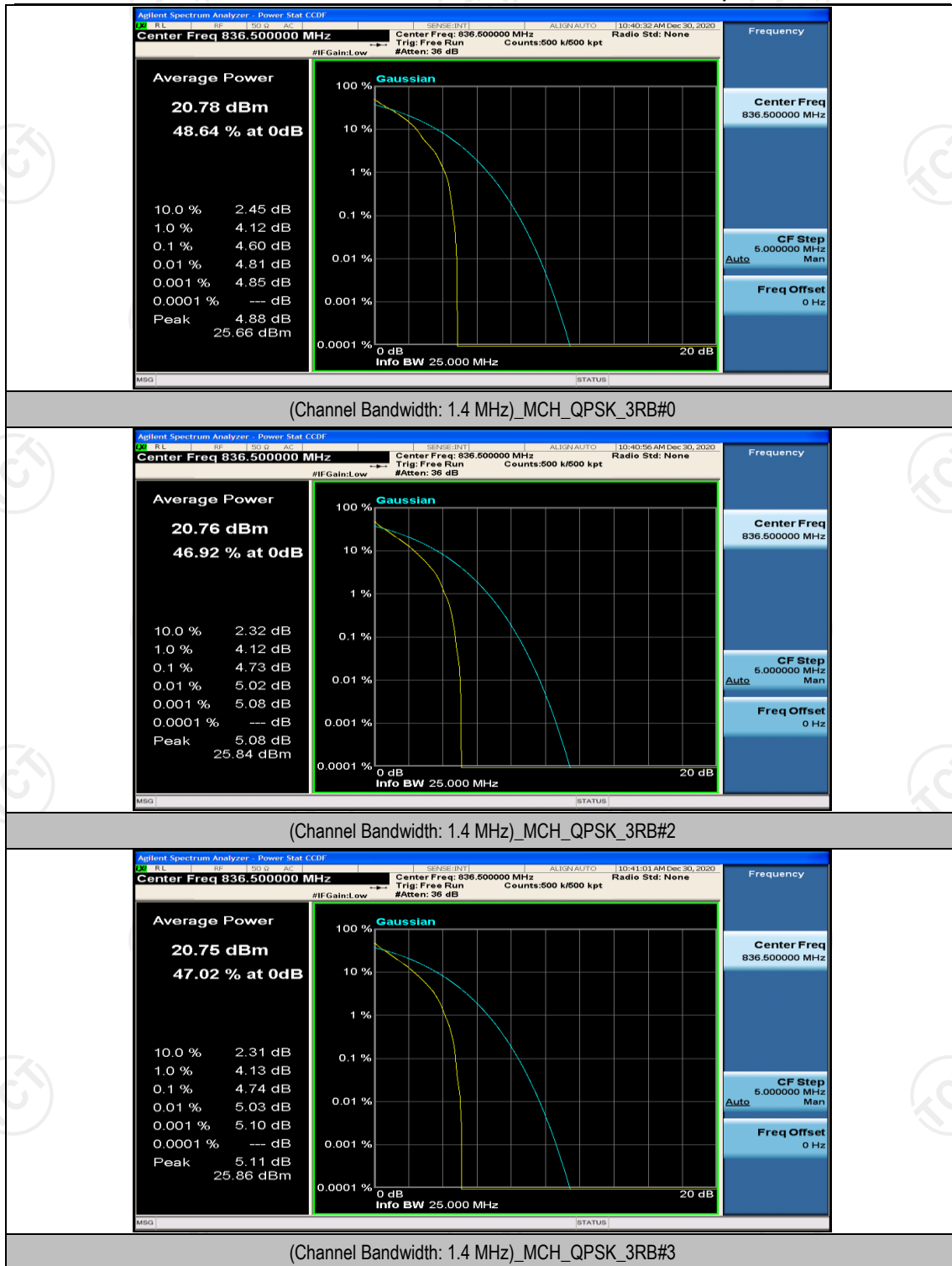
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

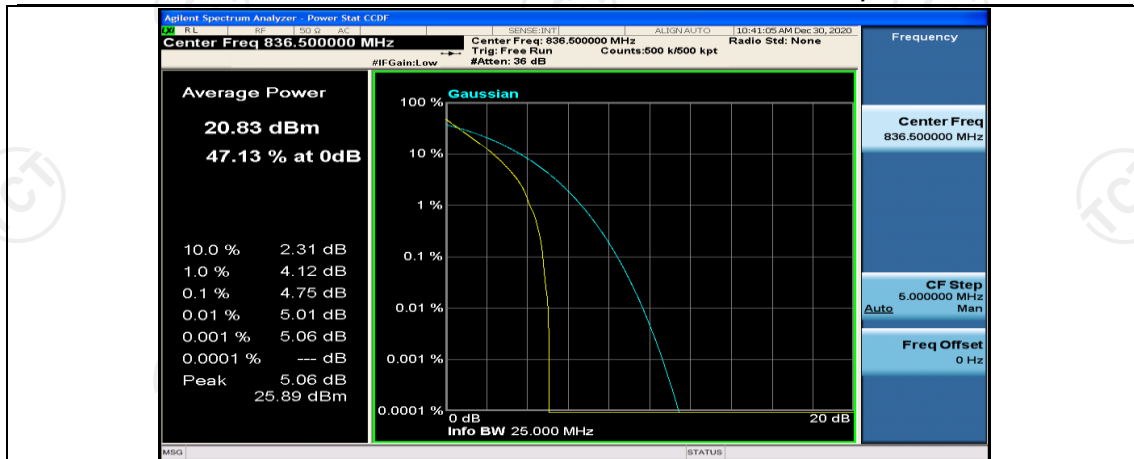


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

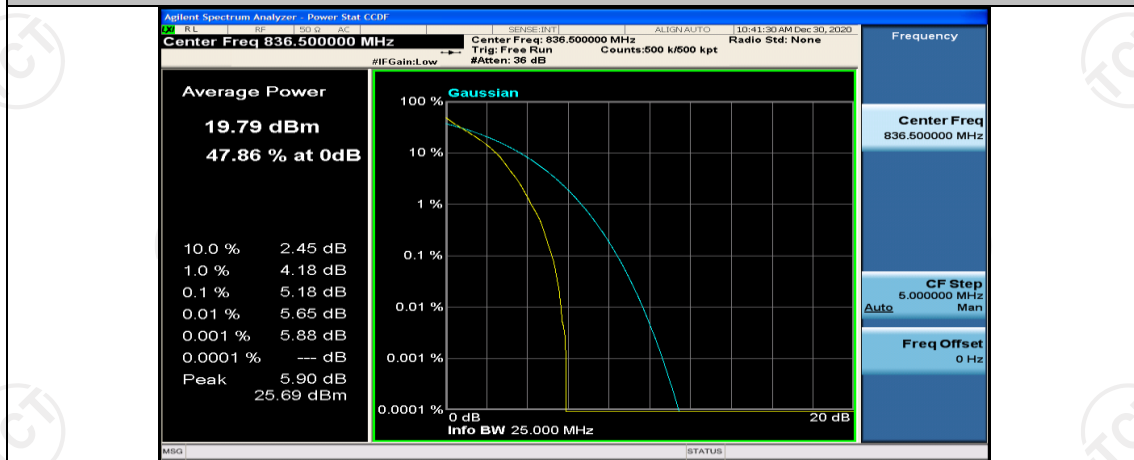


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

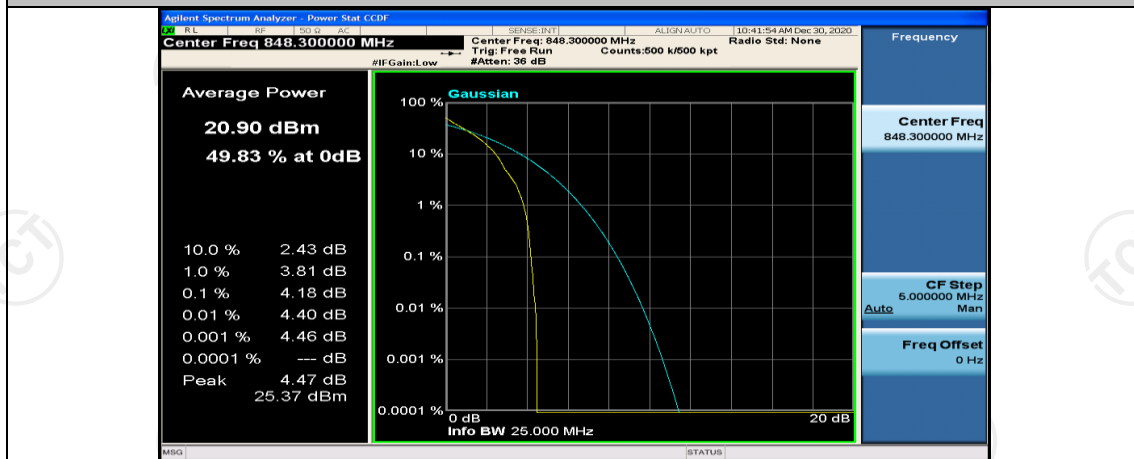




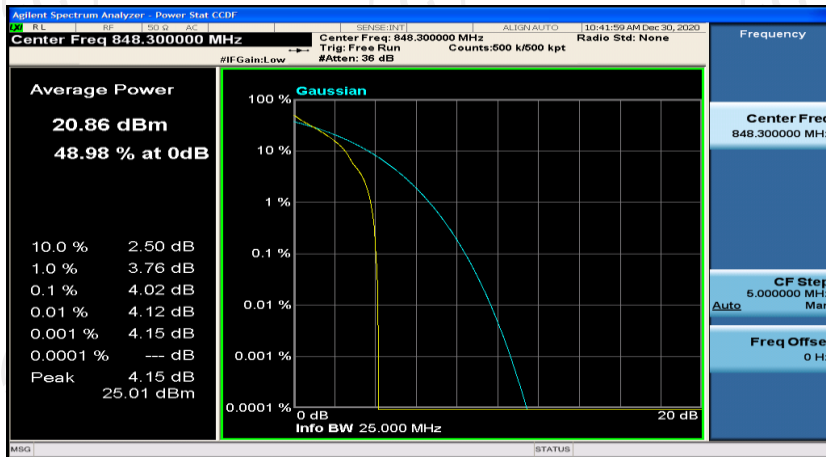
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



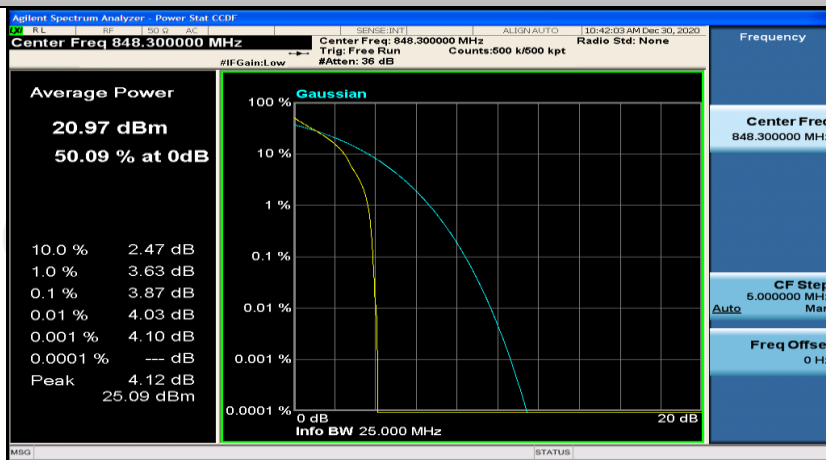
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



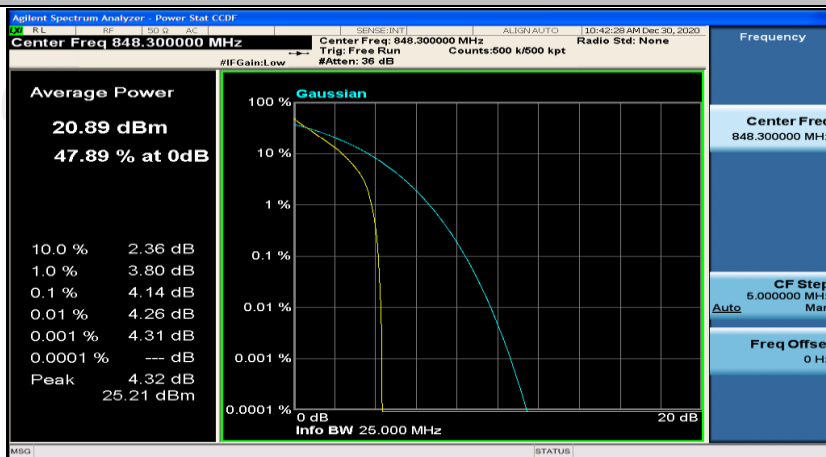
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



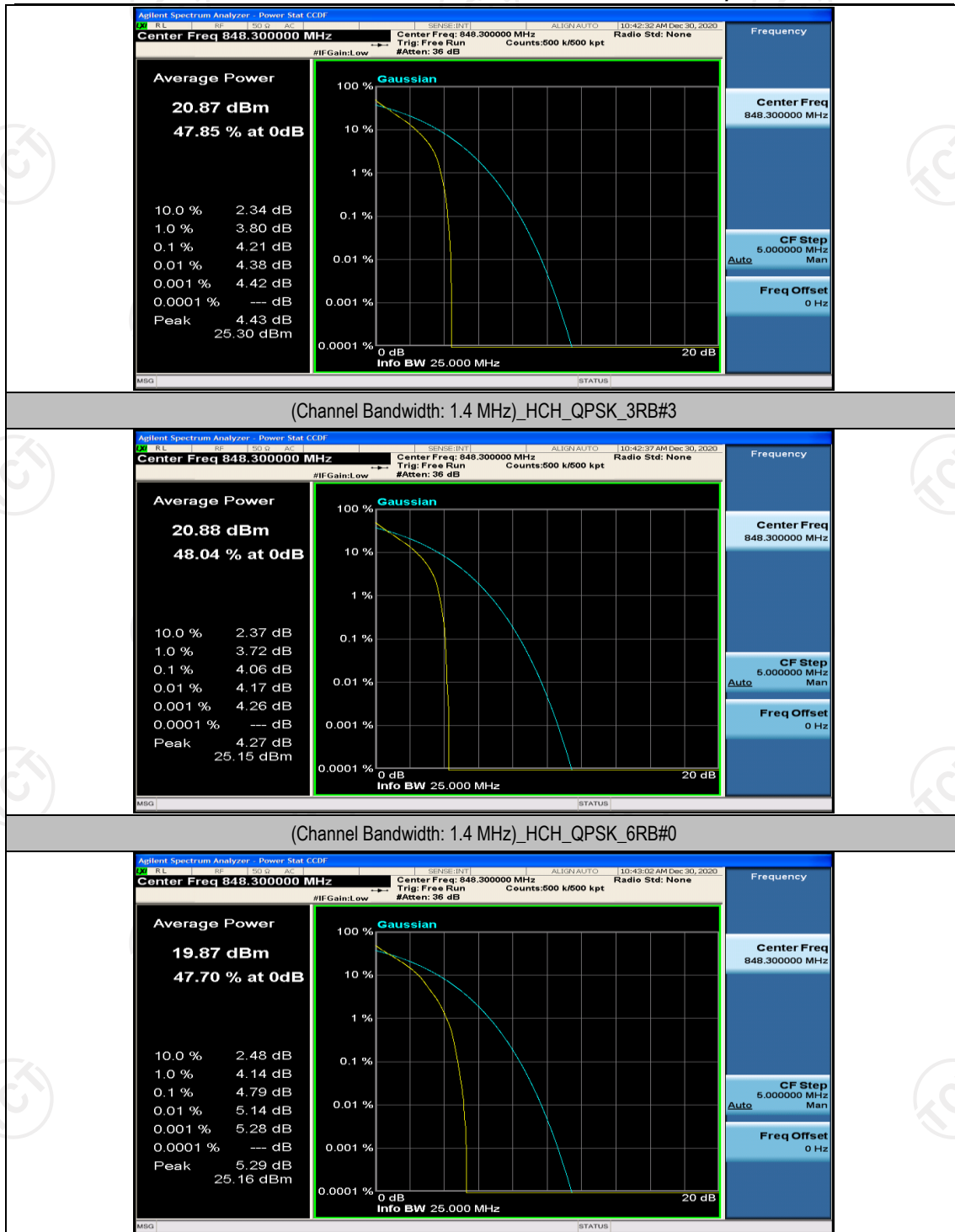
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



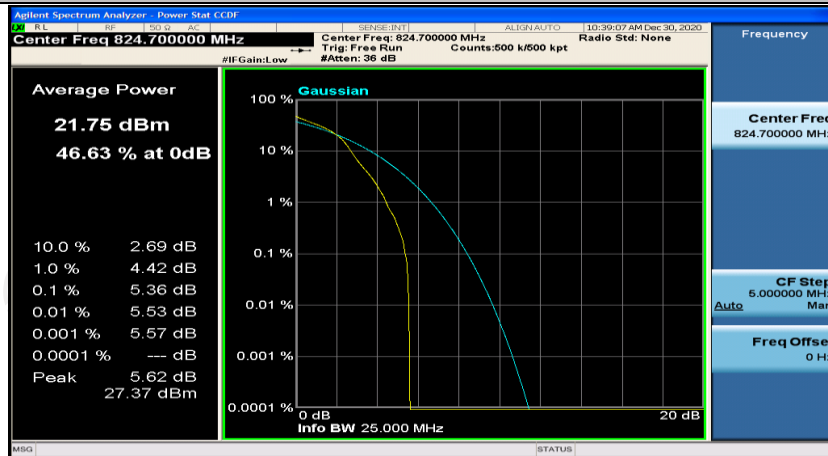
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



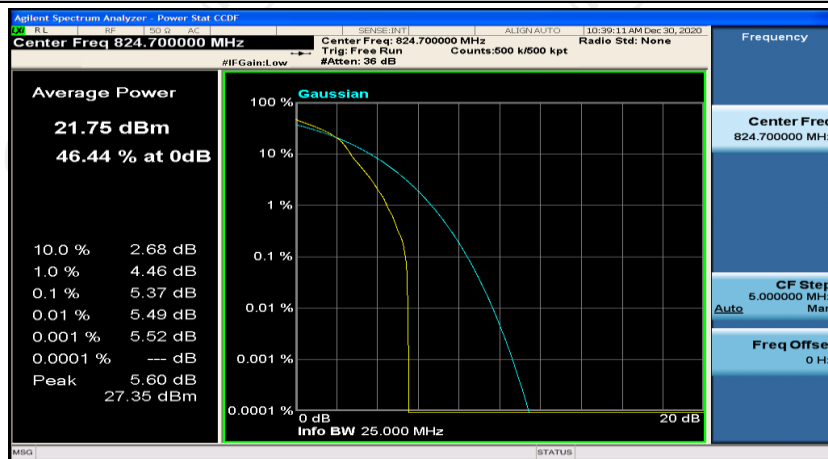
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



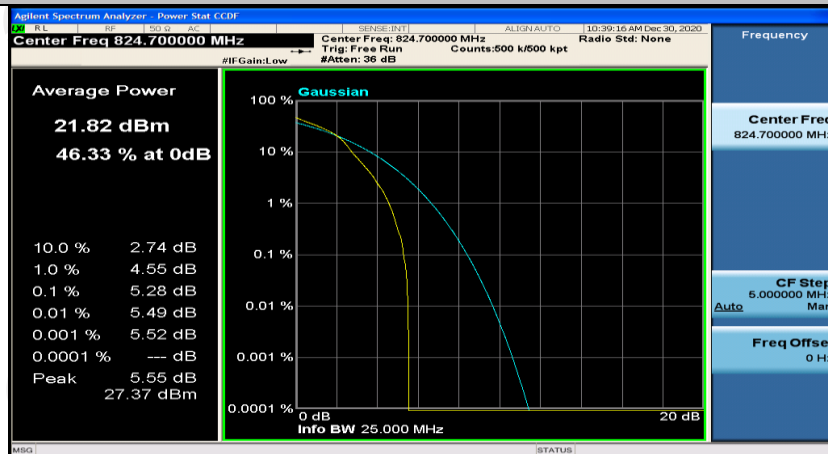
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



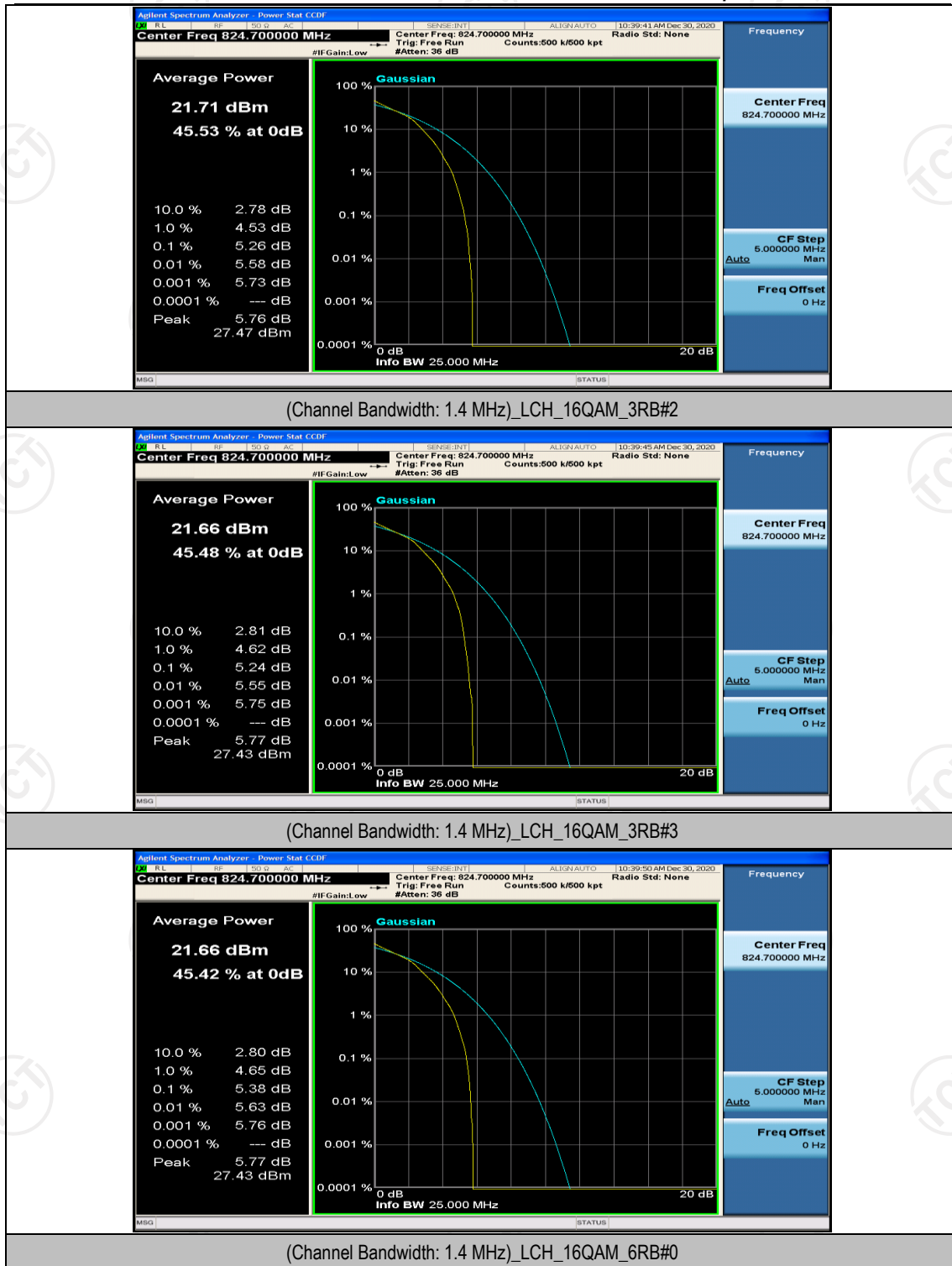
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

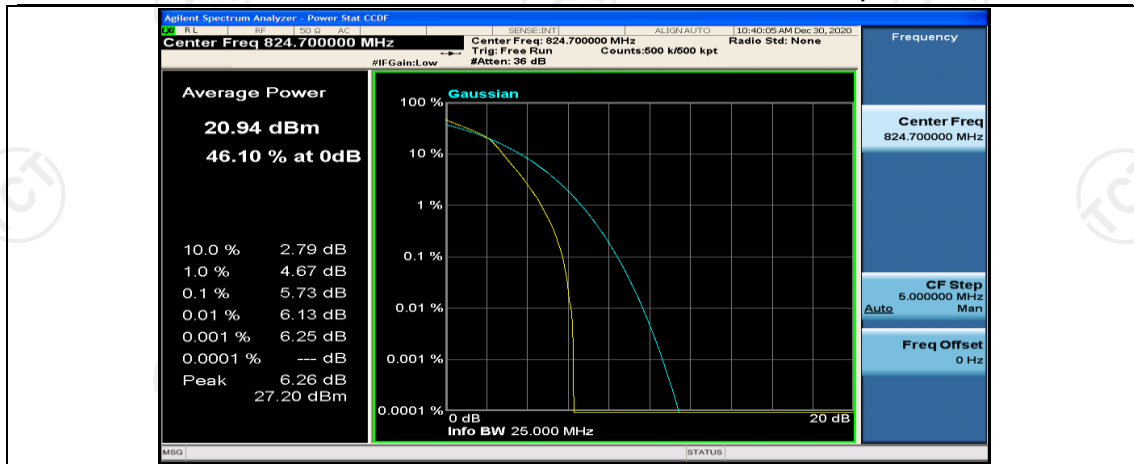


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

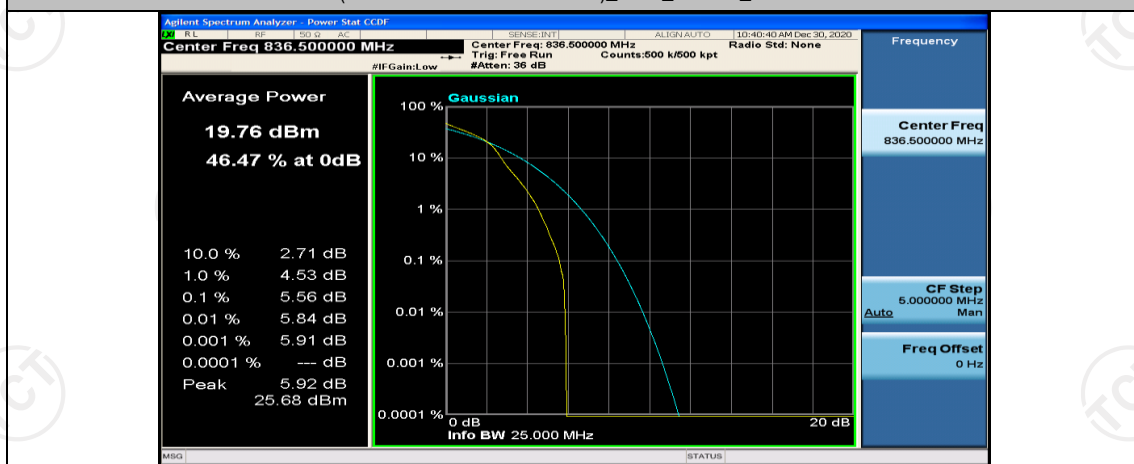


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

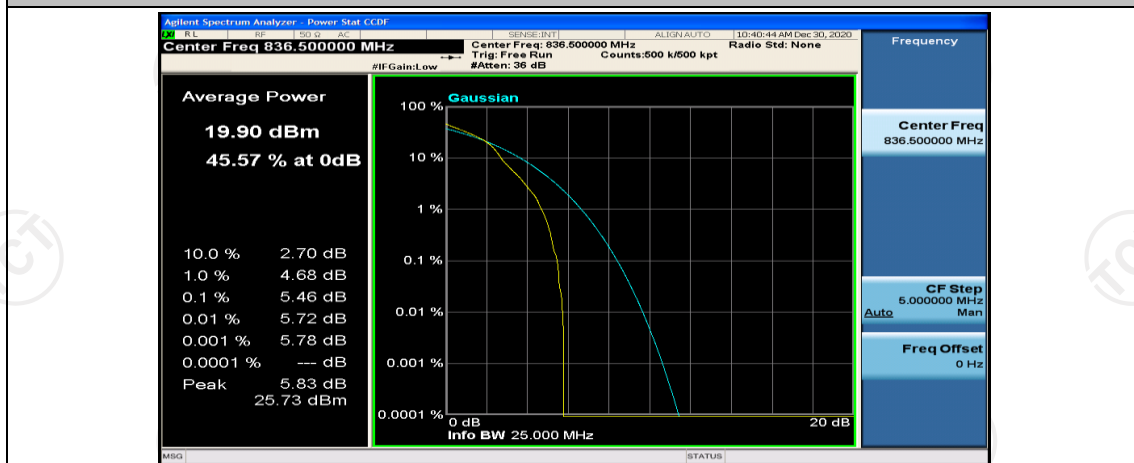




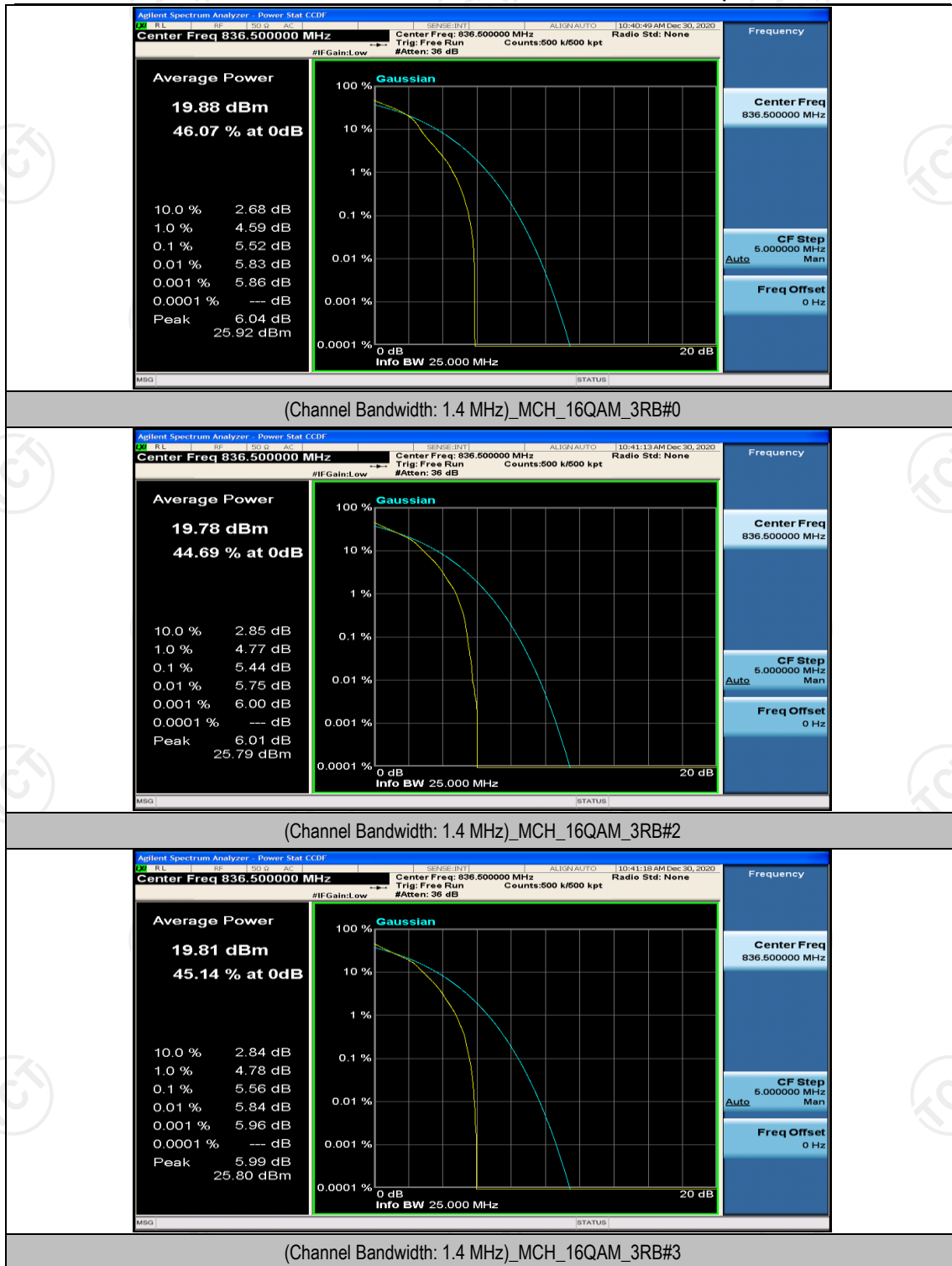
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

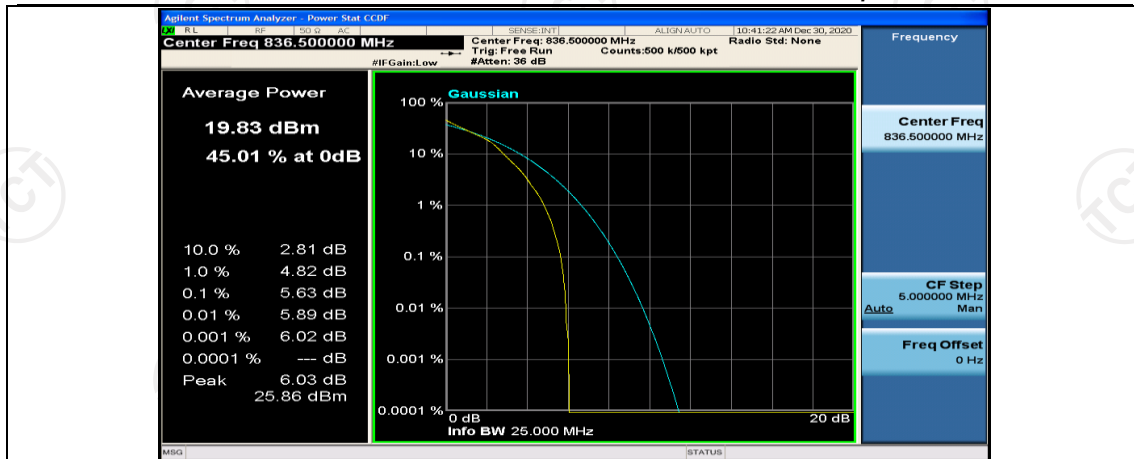


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

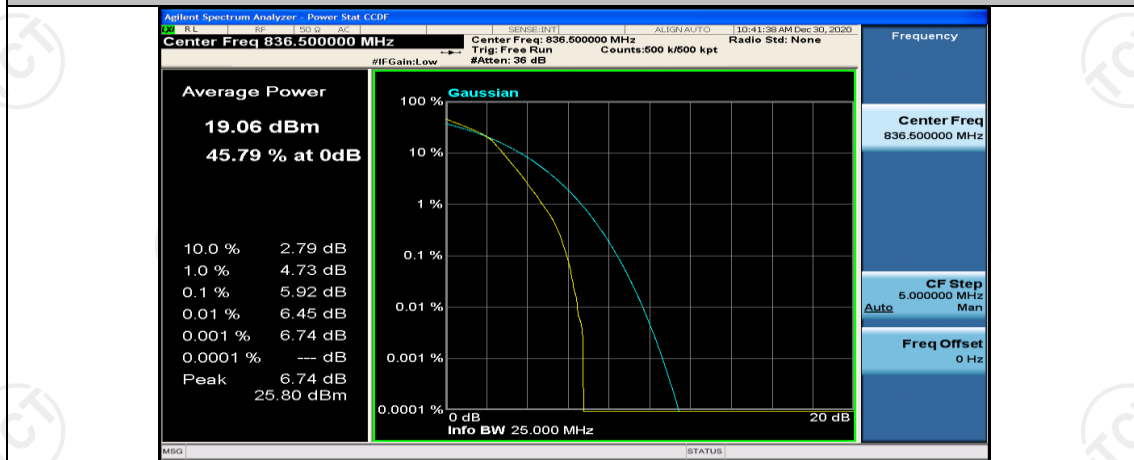


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

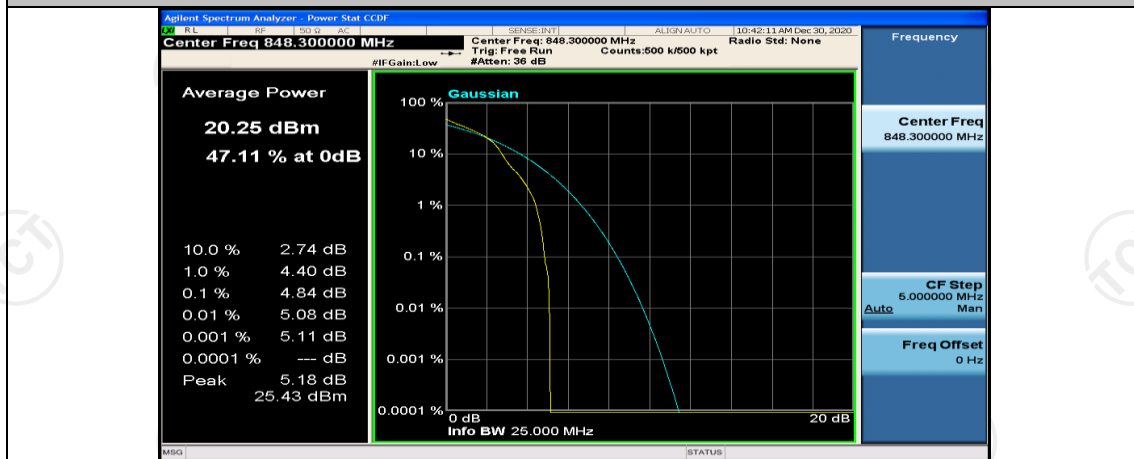




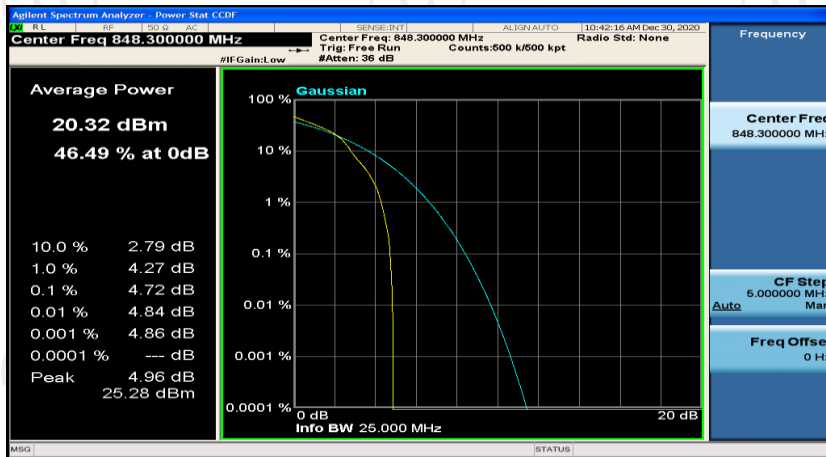
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



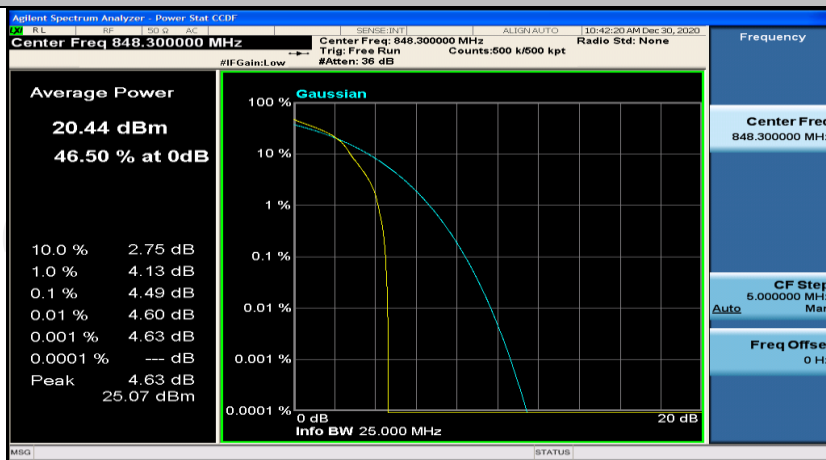
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



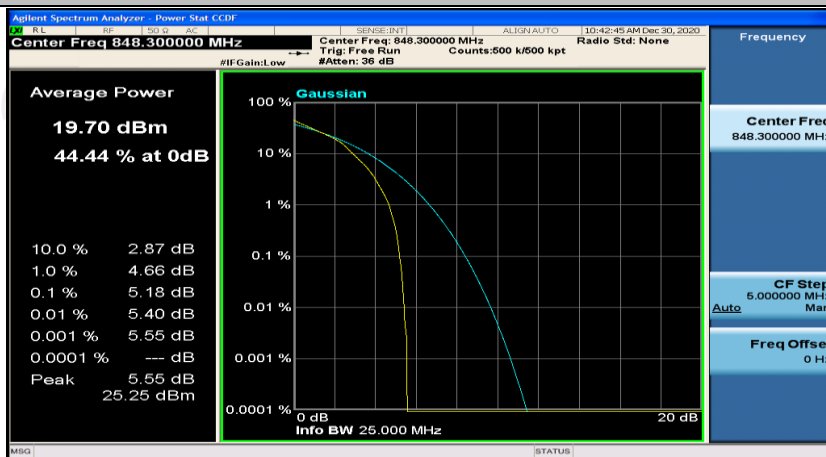
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



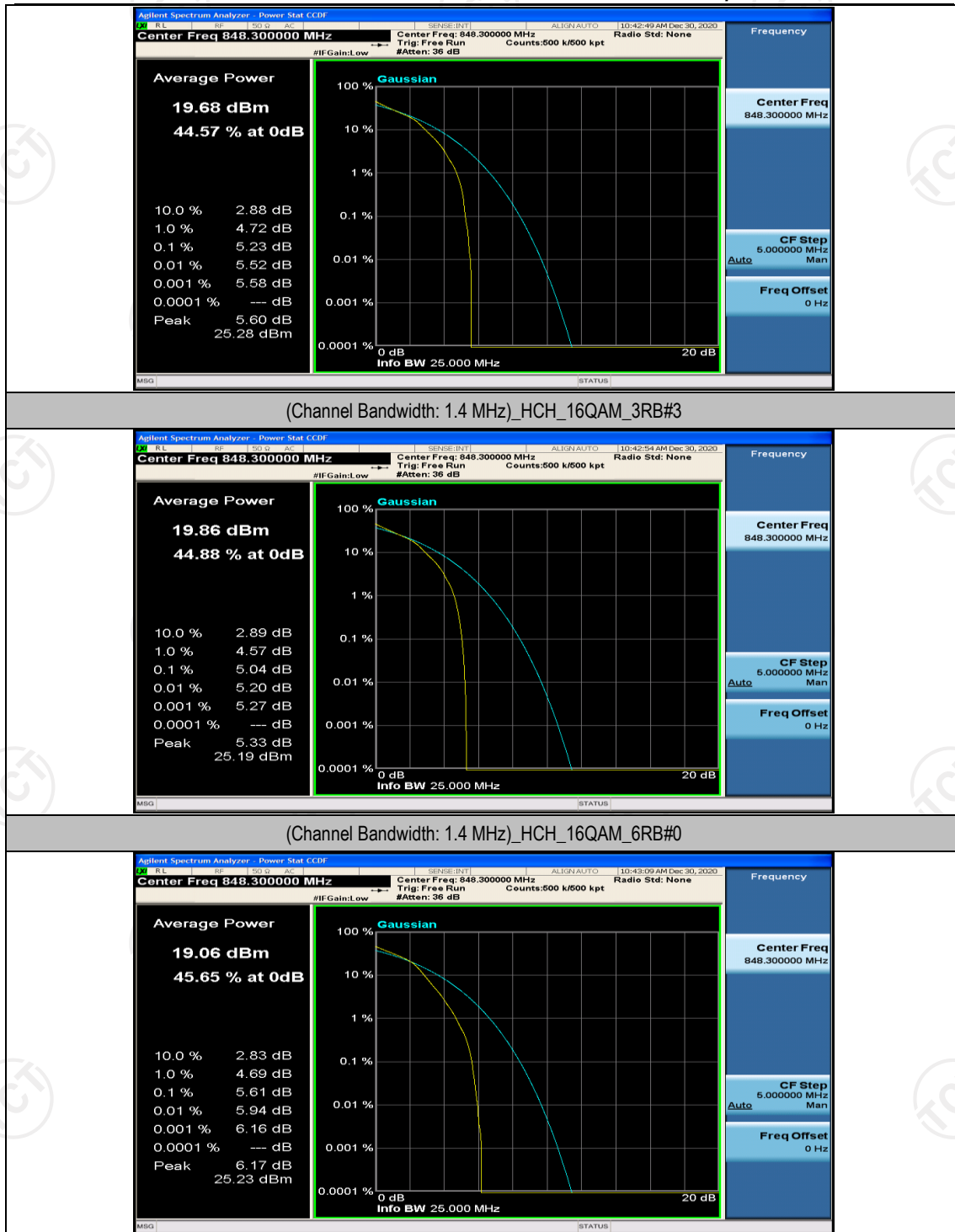
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

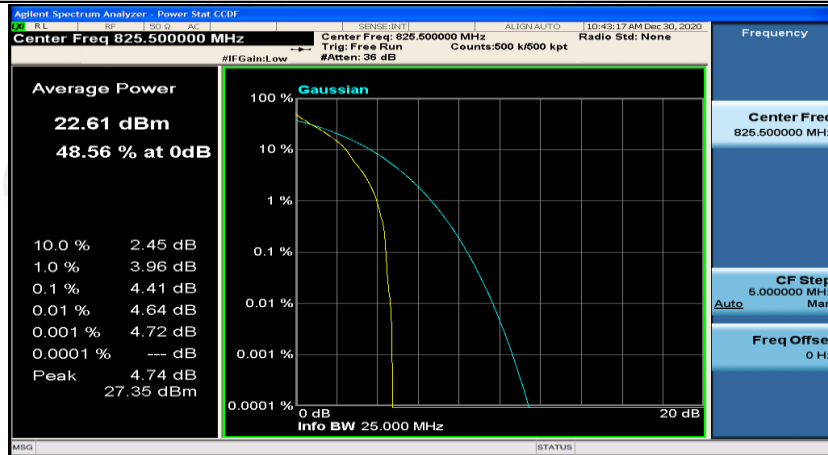


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

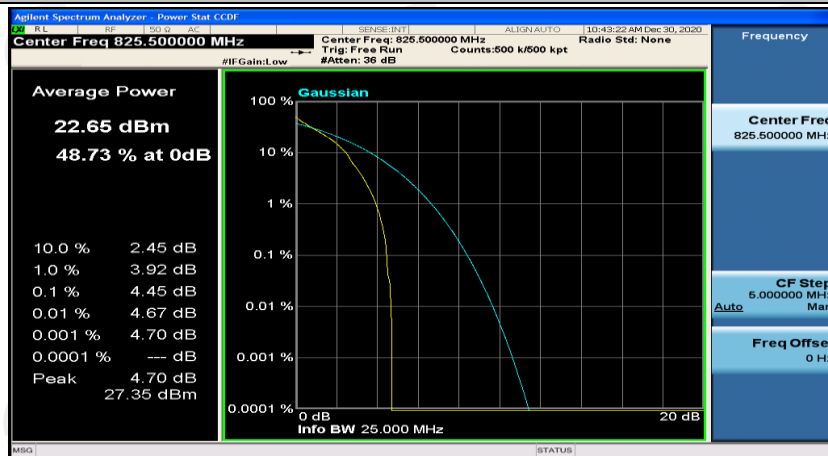


Channel Bandwidth: 3 MHz

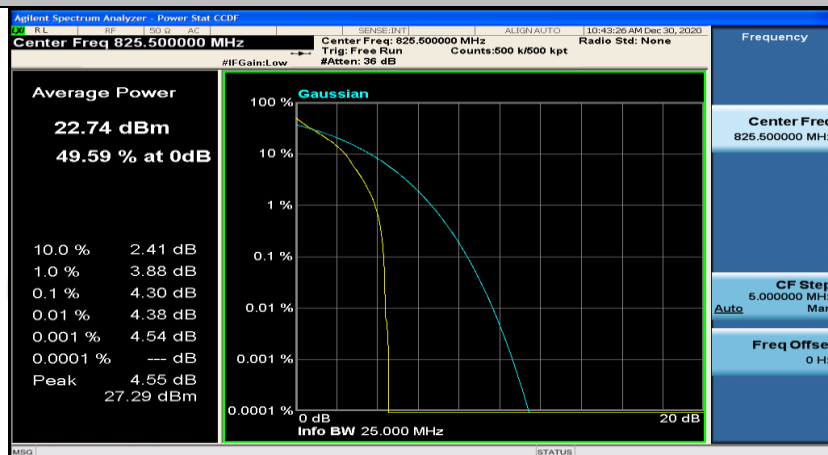
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



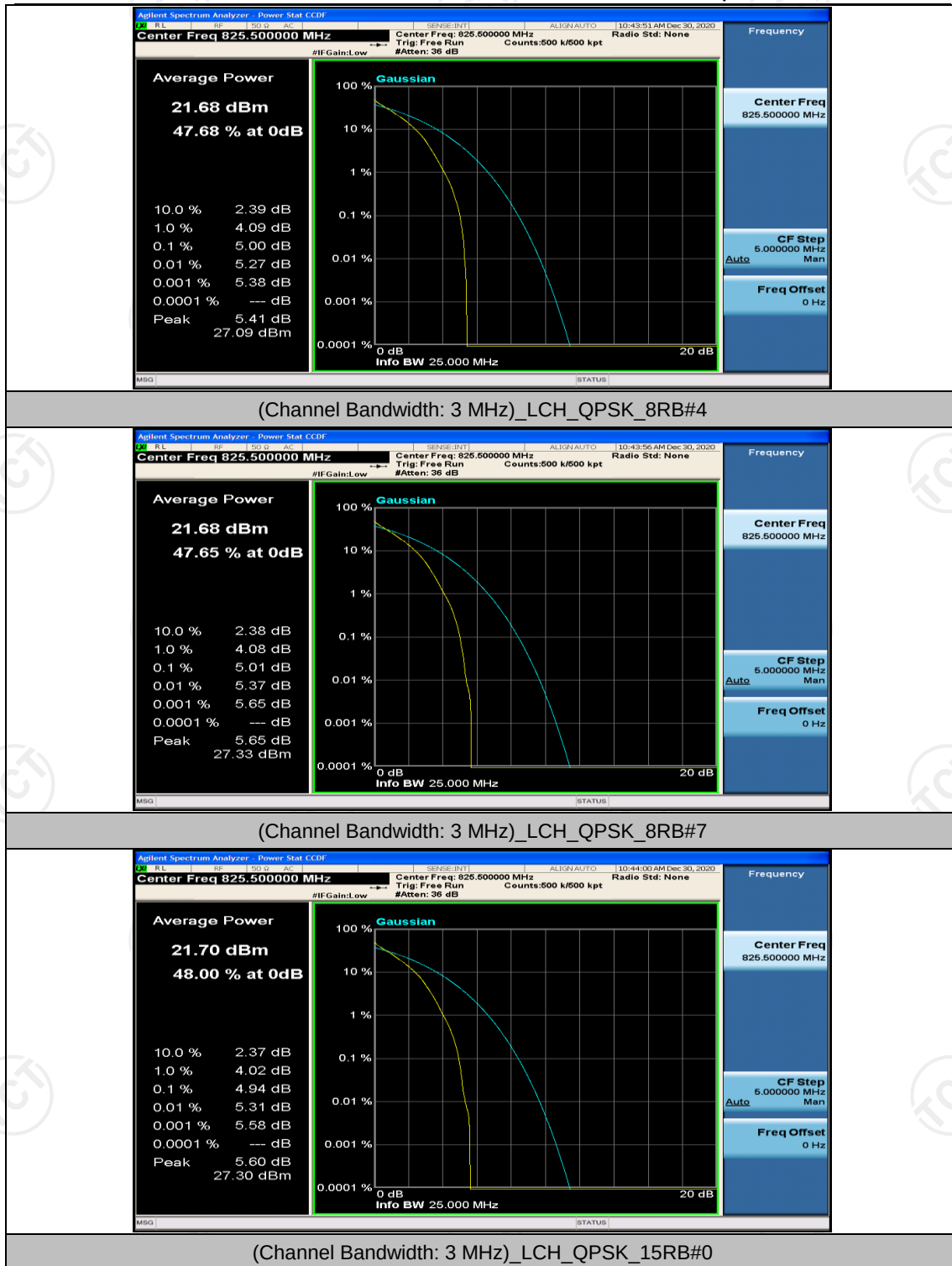
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

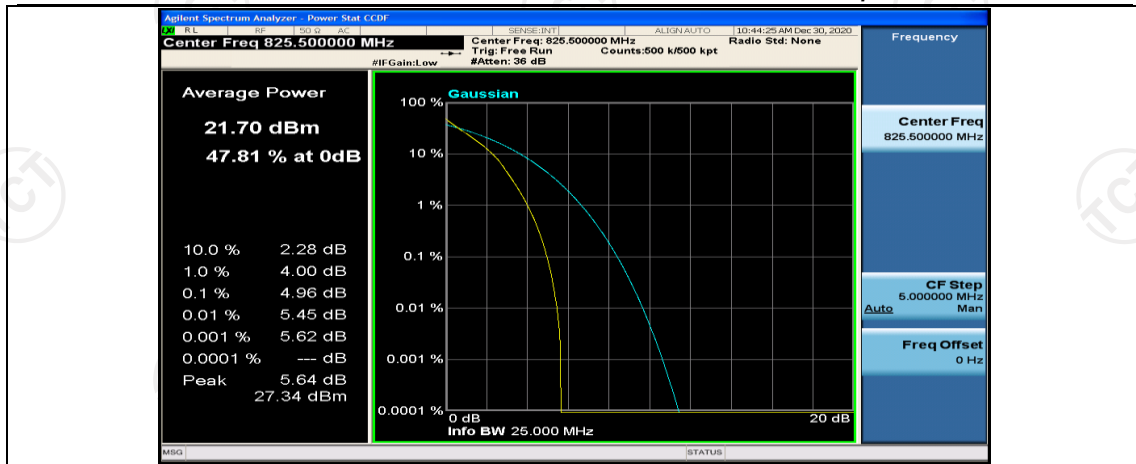


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

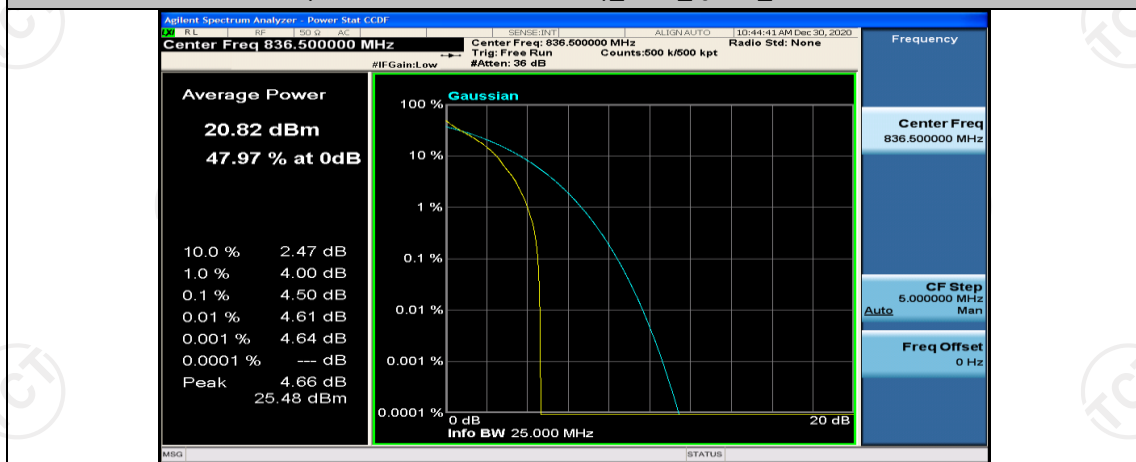


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

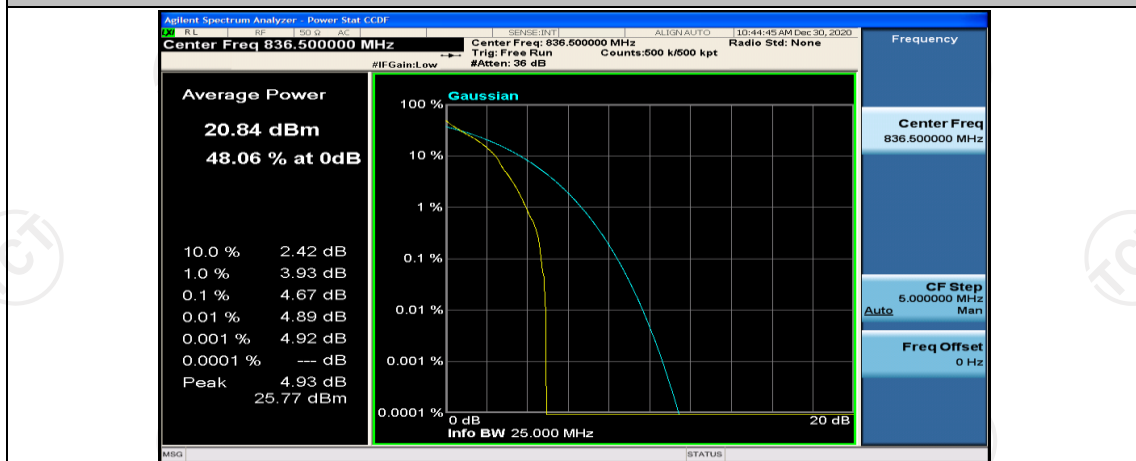




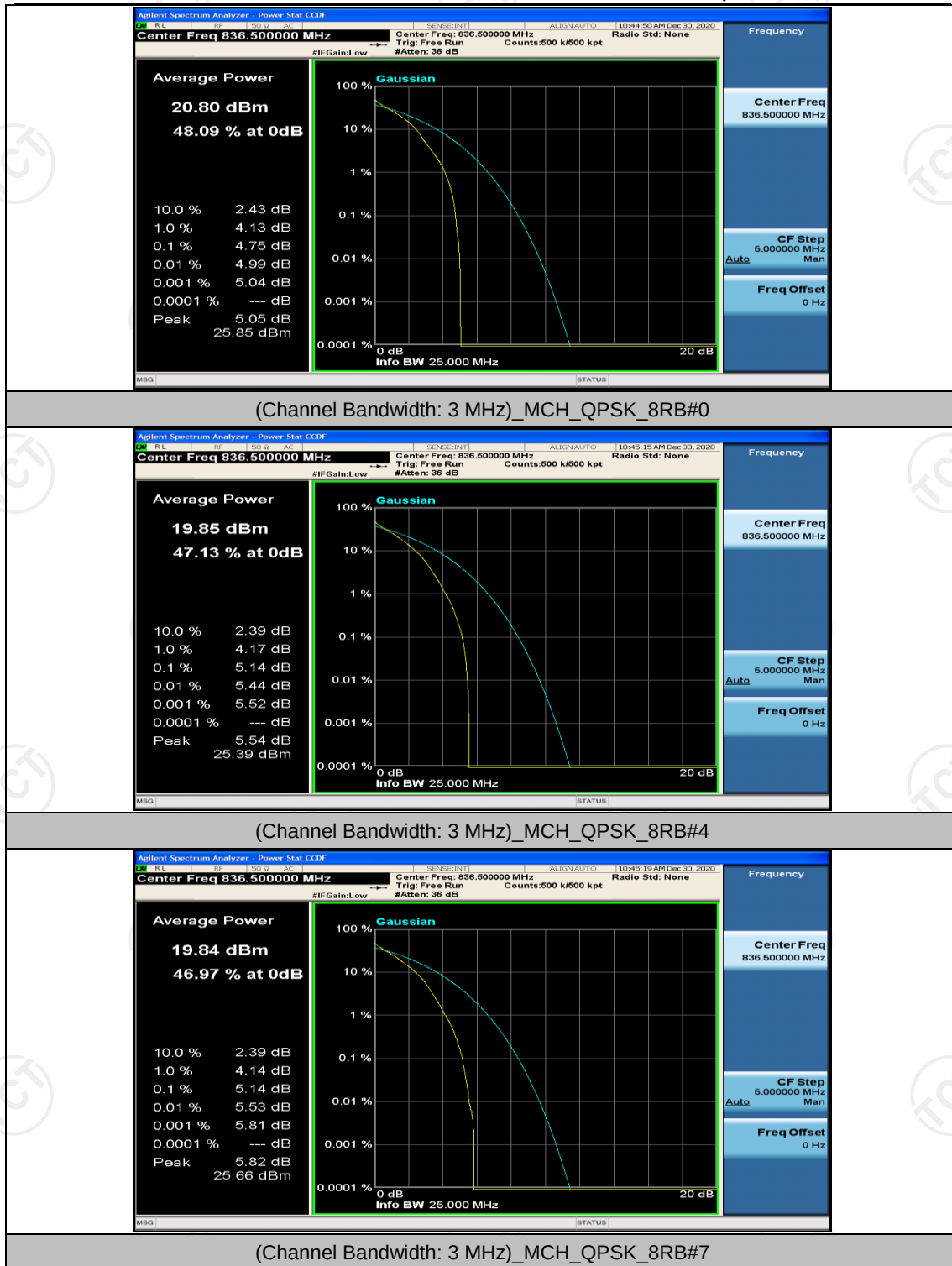
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

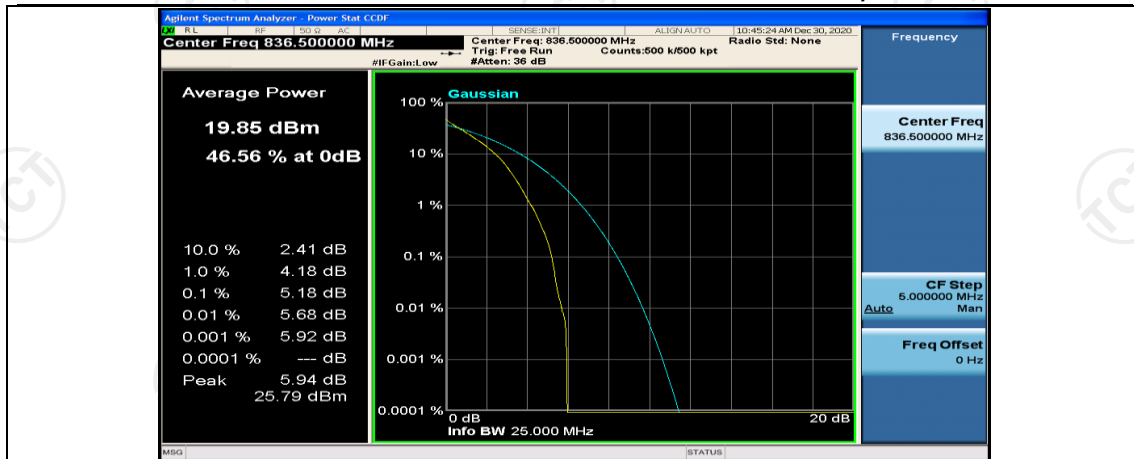


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

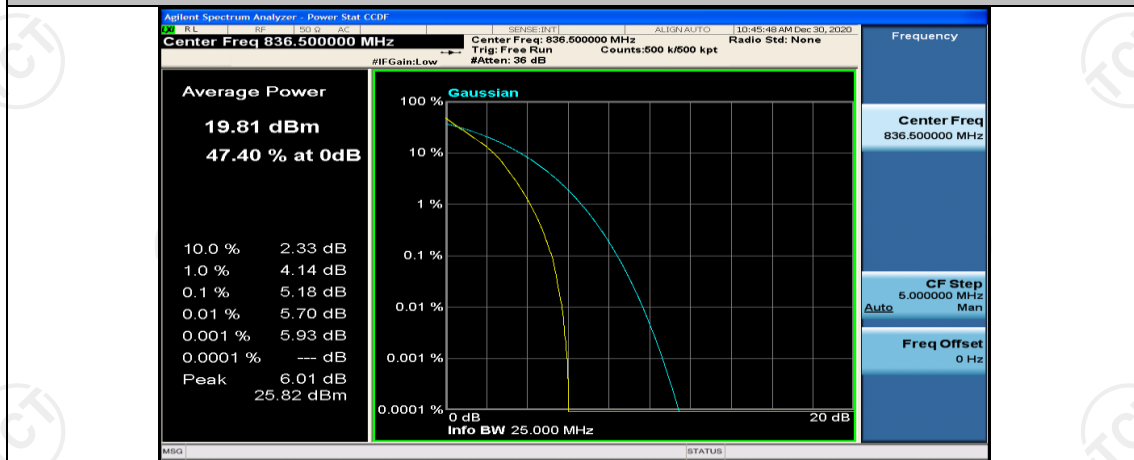


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

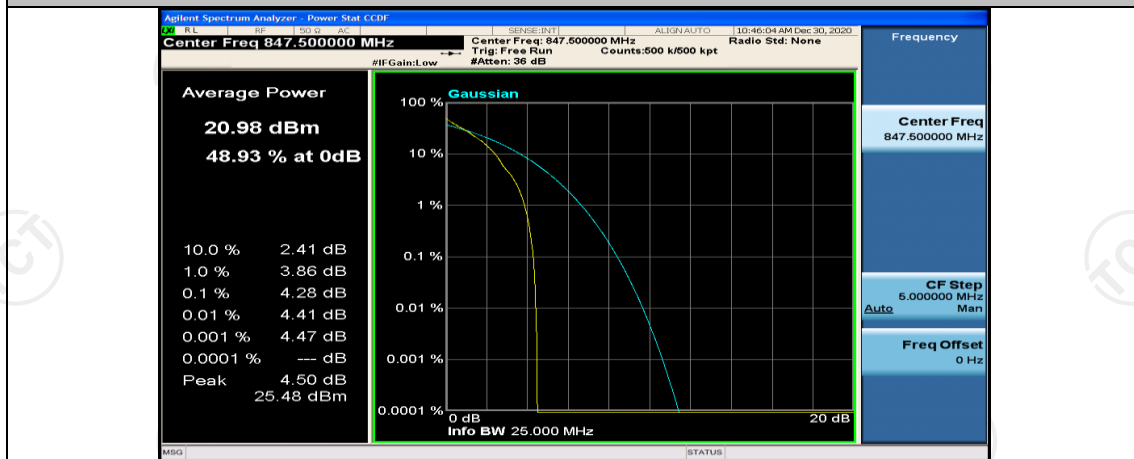




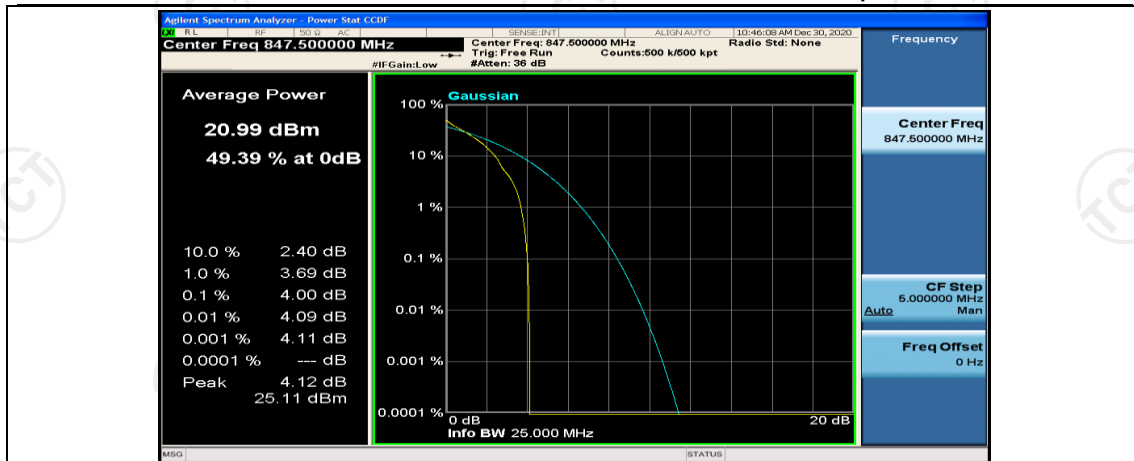
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



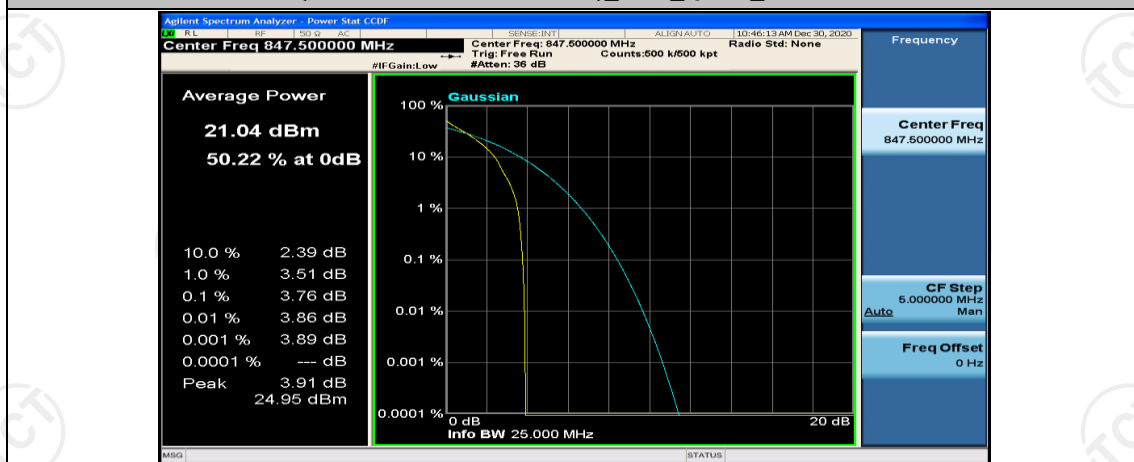
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



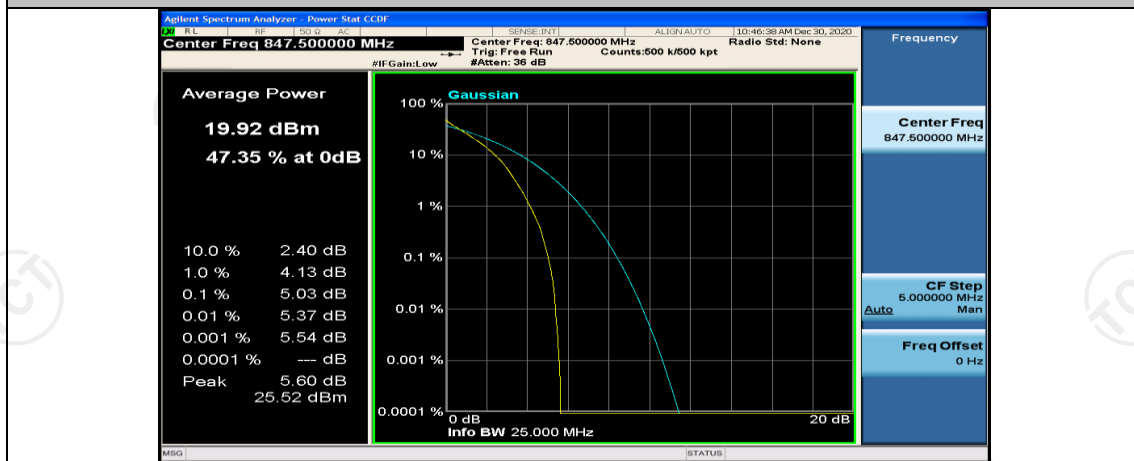
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



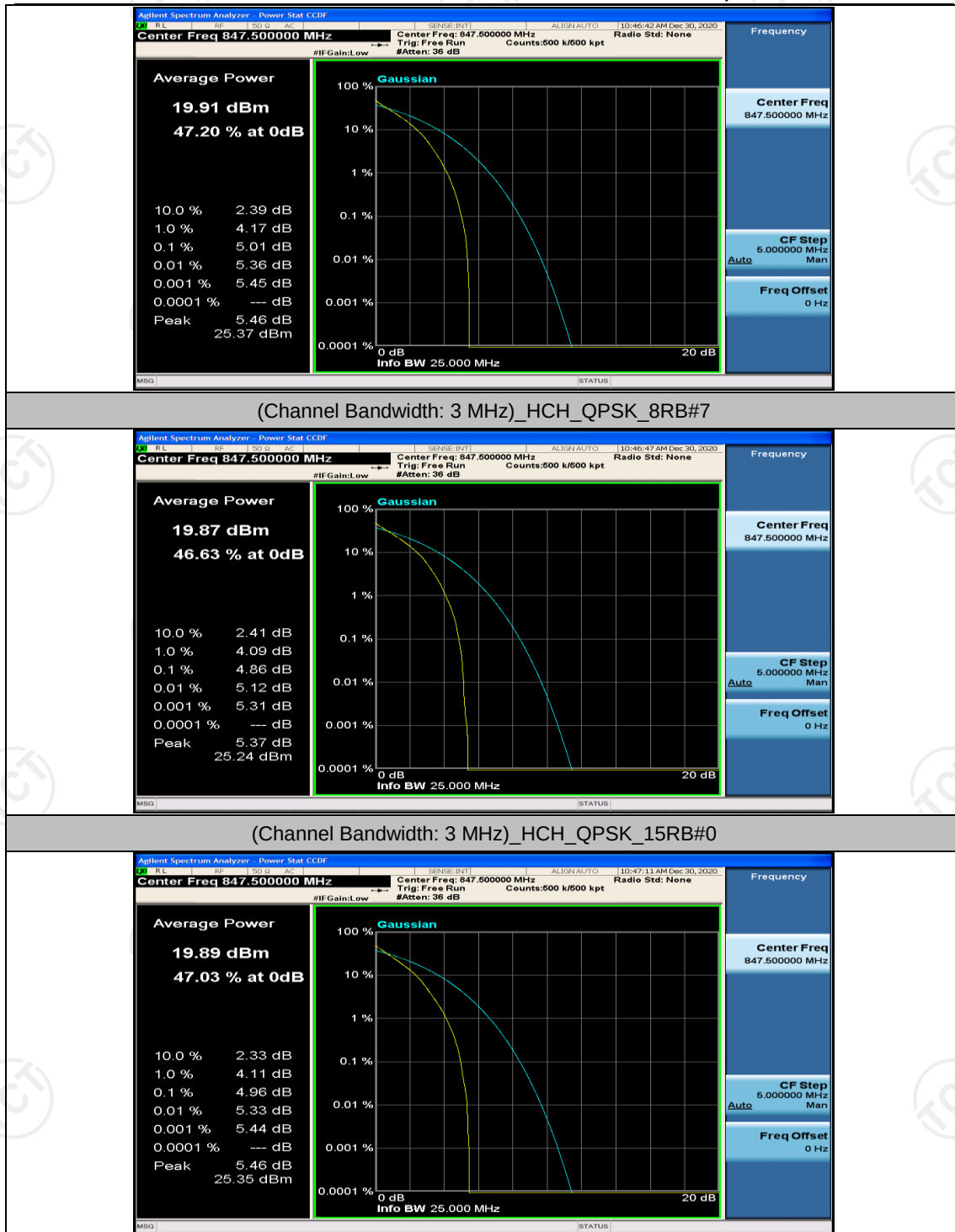
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



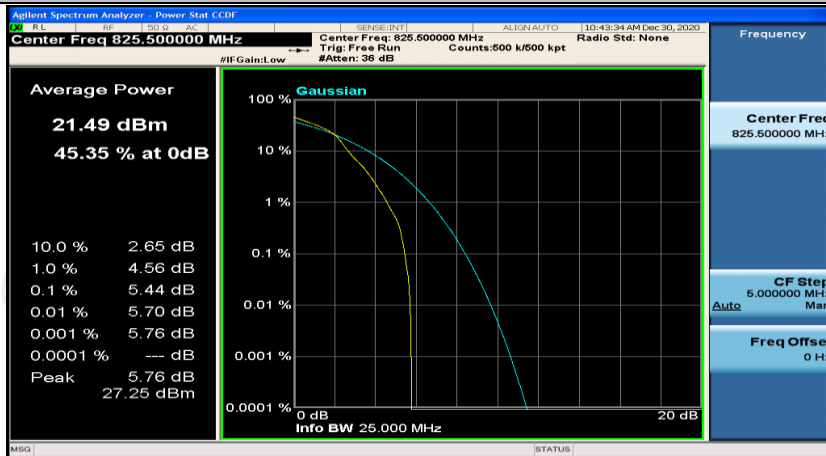
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



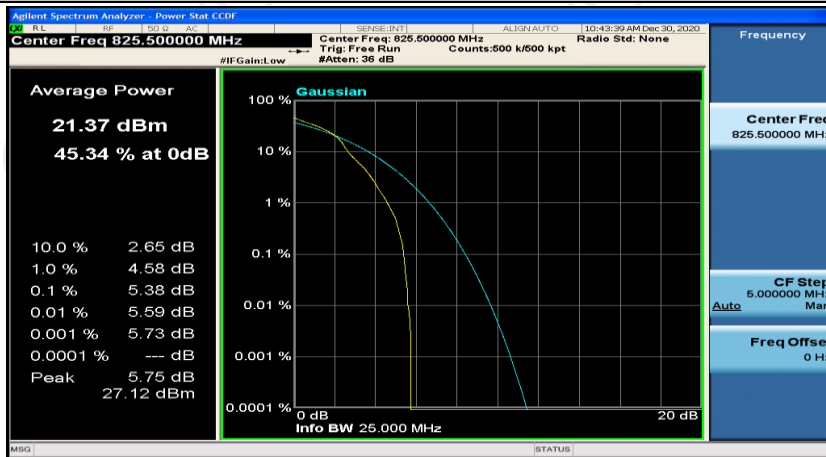
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



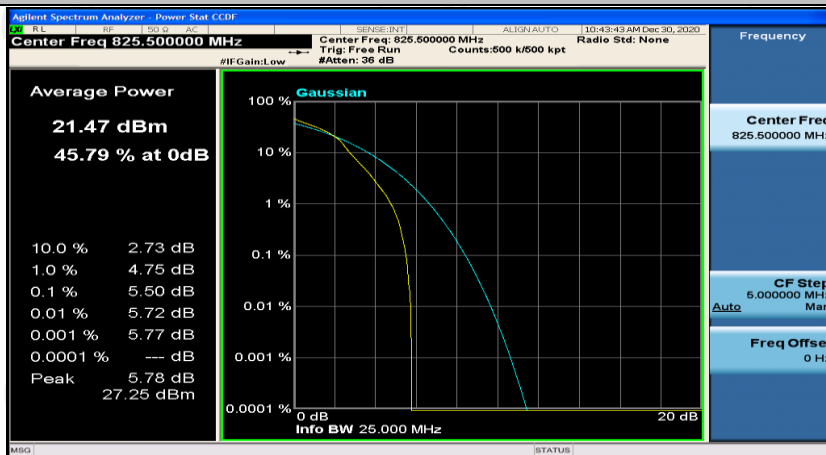
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



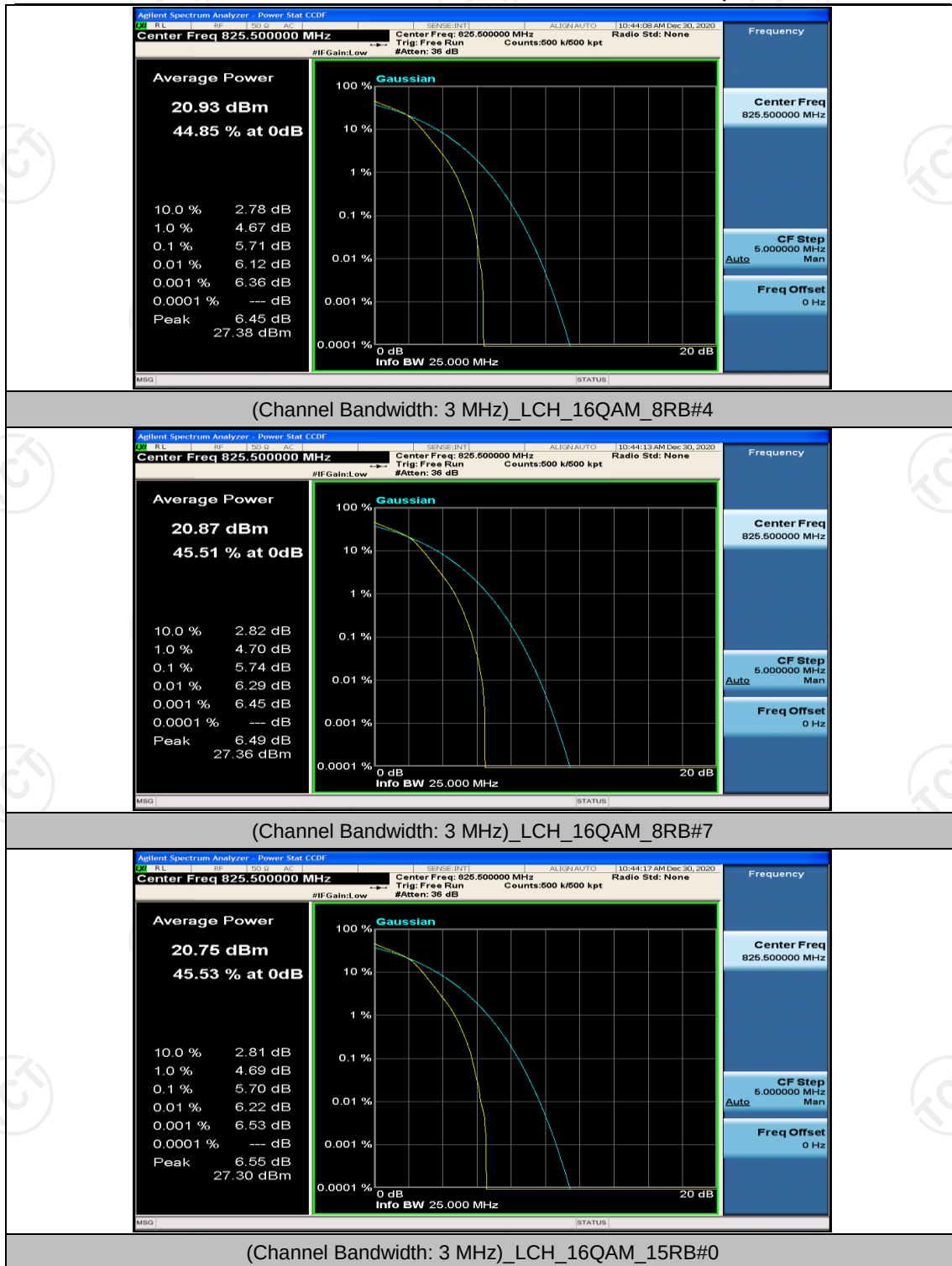
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

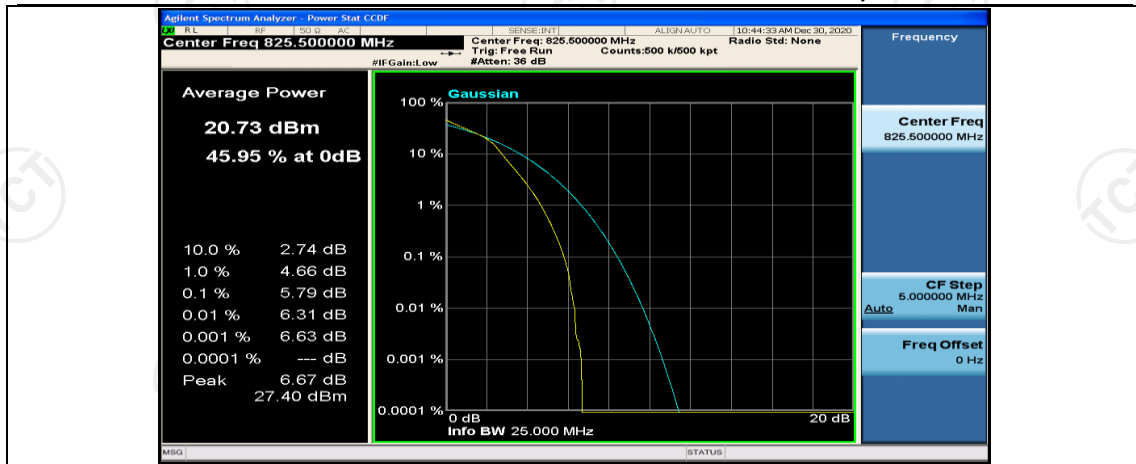


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

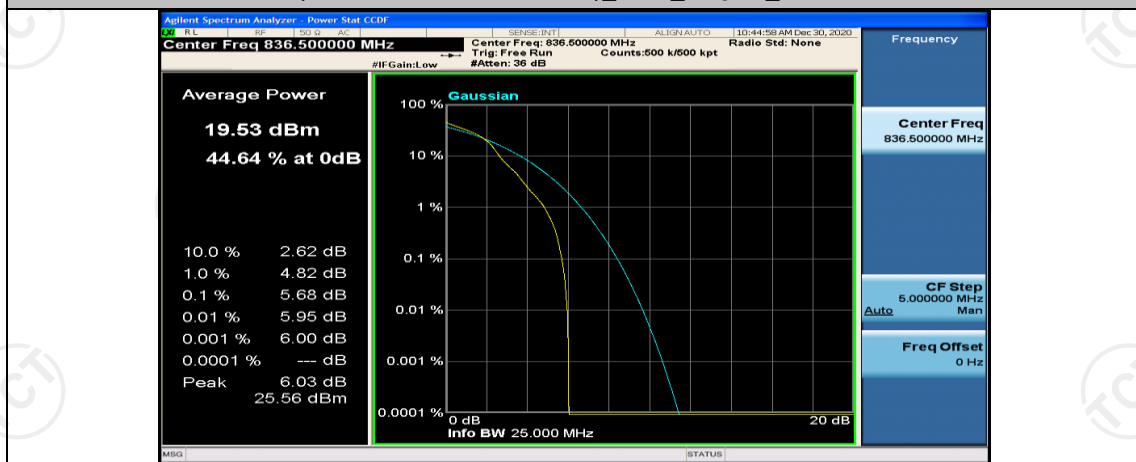


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

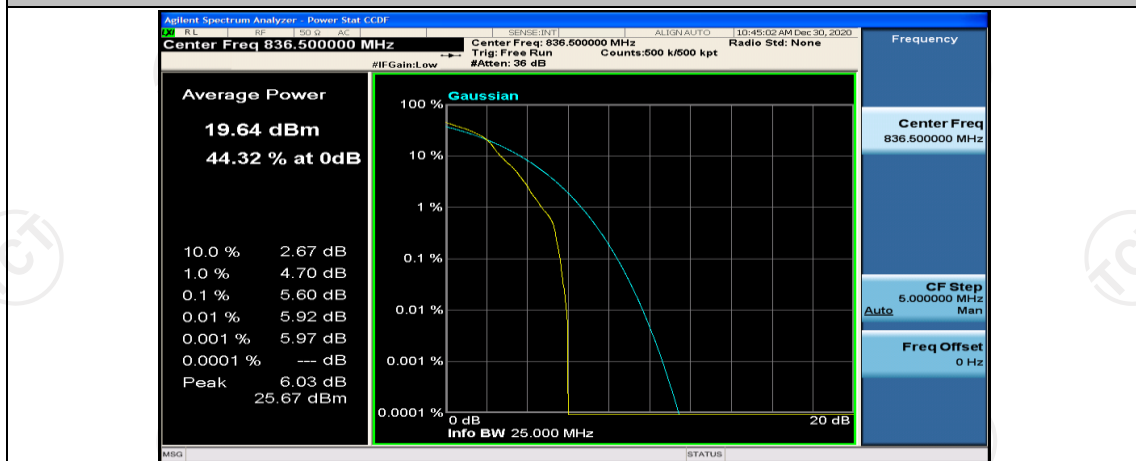




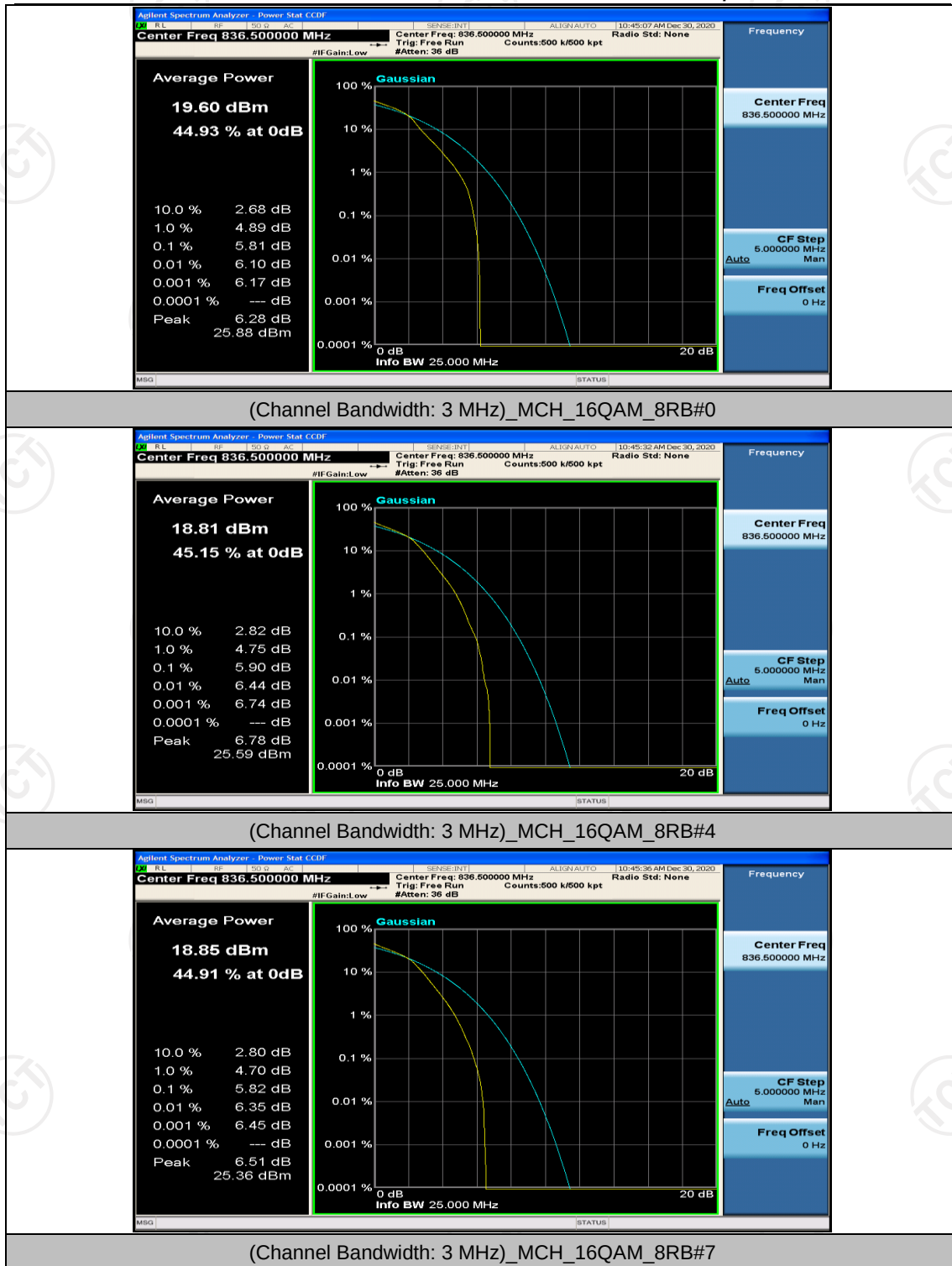
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

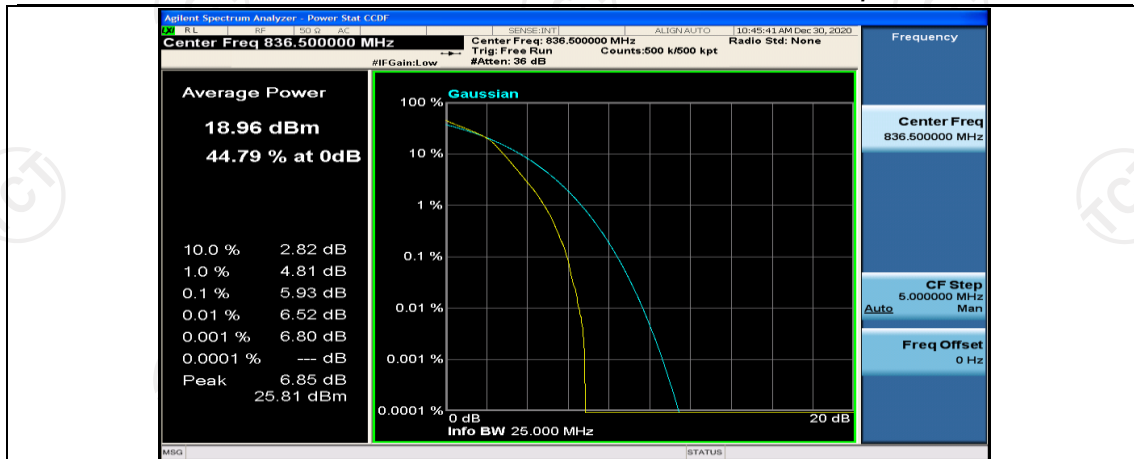


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

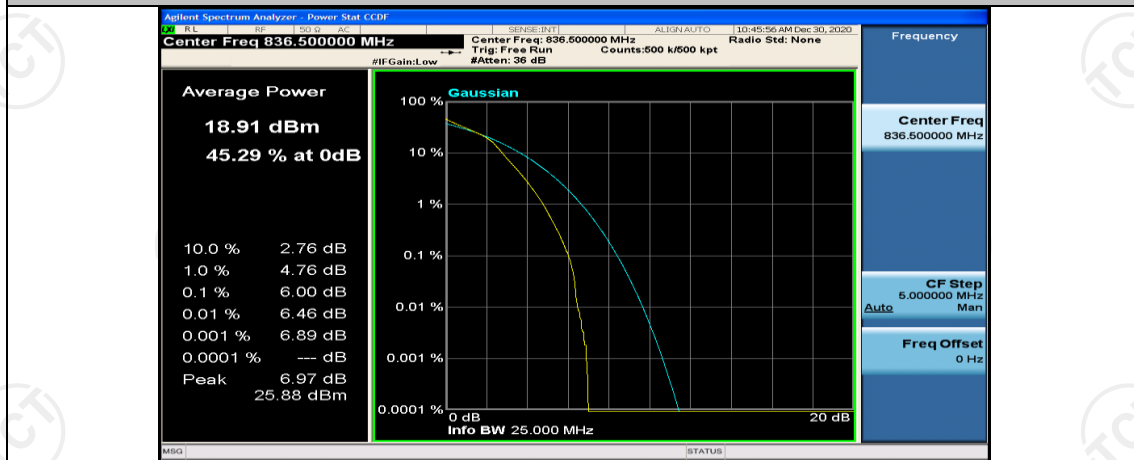


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

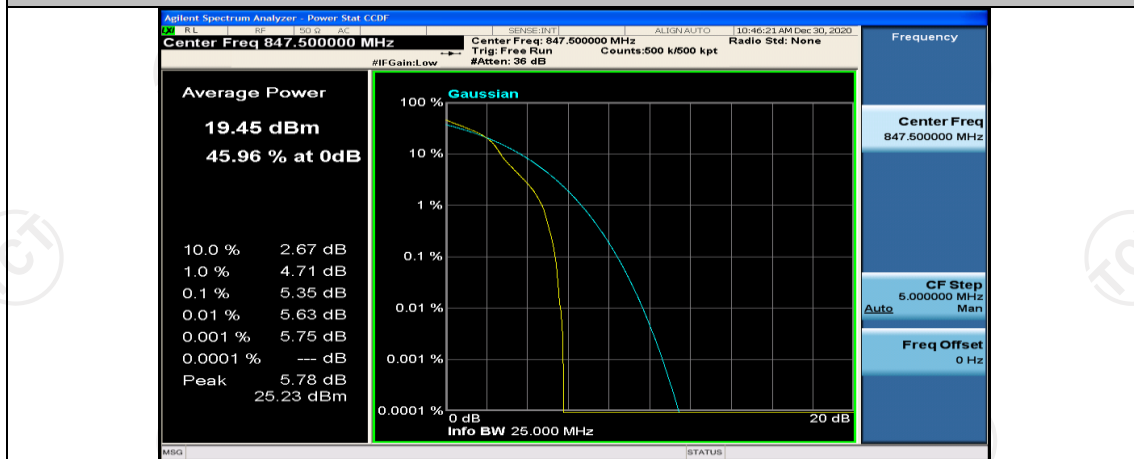




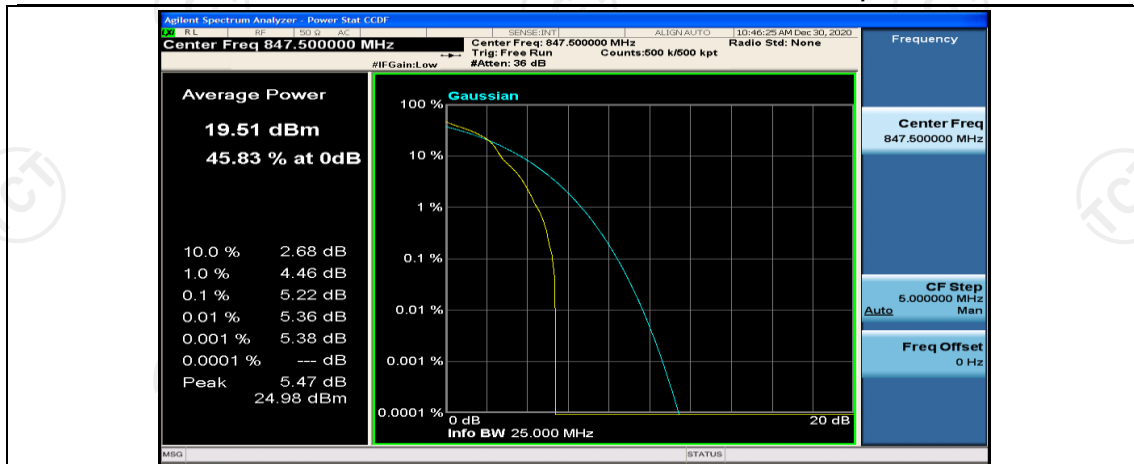
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



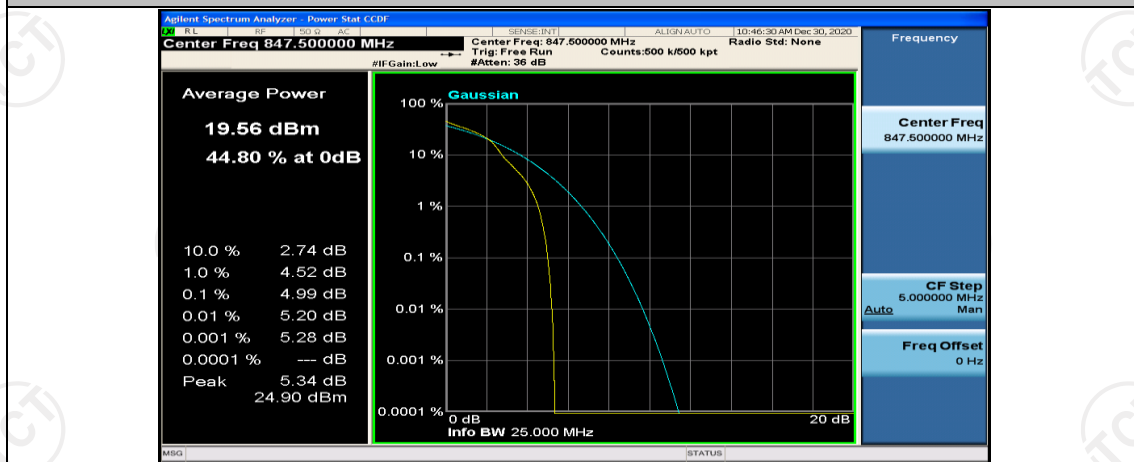
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



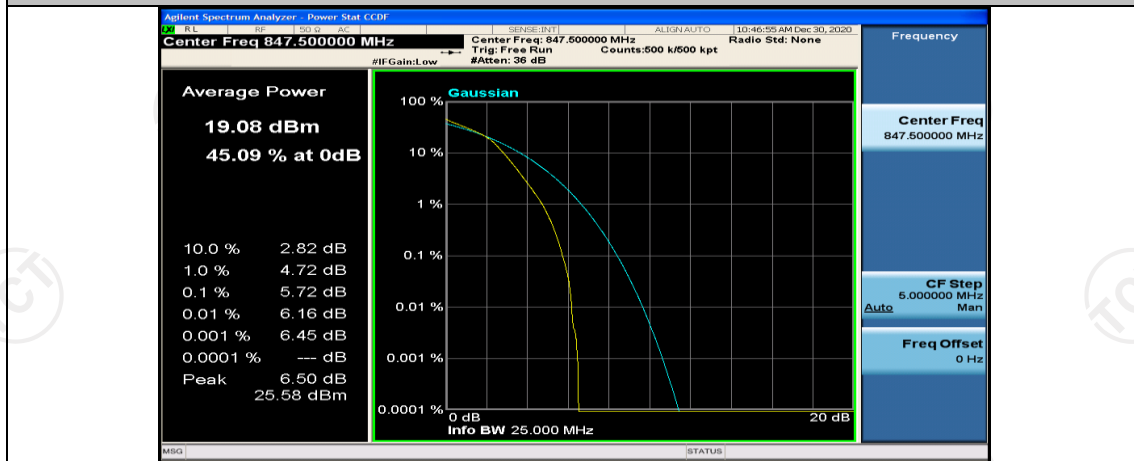
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



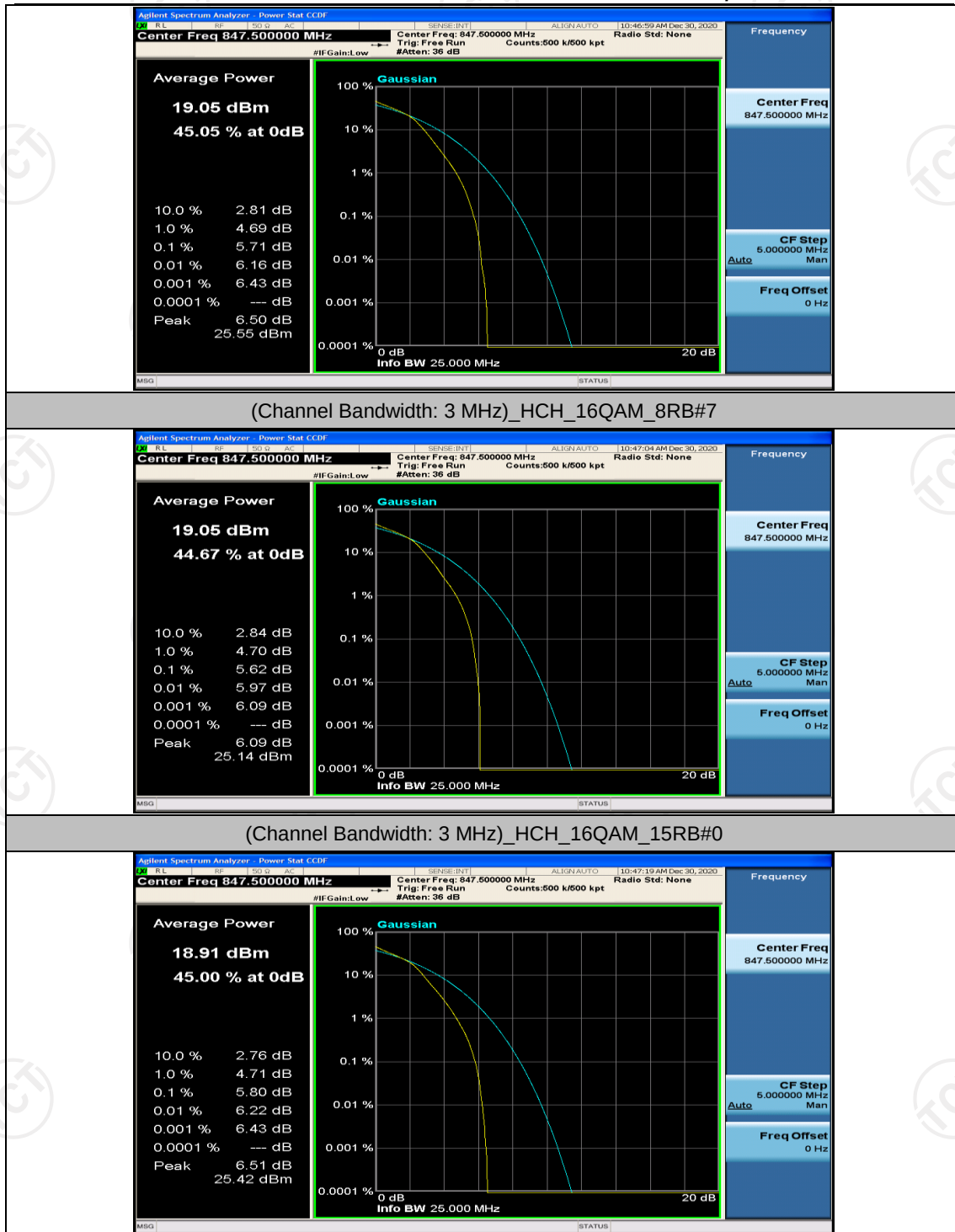
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



Channel Bandwidth: 5 MHz

