

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	23.81	22.69	PASS
		1	3	23.90	22.78	PASS
		1	5	23.80	22.68	PASS
		3	0	23.88	22.76	PASS
		3	2	23.86	22.74	PASS
		3	3	23.86	22.74	PASS
		6	0	22.86	21.74	PASS
	MCH	1	0	23.83	22.71	PASS
		1	3	23.95	22.83	PASS
		1	5	23.80	22.68	PASS
		3	0	23.90	22.78	PASS
		3	2	23.88	22.76	PASS
		3	3	23.92	22.80	PASS
		6	0	22.88	21.76	PASS
	HCH	1	0	23.75	22.63	PASS
		1	3	23.89	22.77	PASS
		1	5	23.69	22.57	PASS
		3	0	23.41	22.29	PASS
		3	2	23.44	22.32	PASS
		3	3	23.45	22.33	PASS
		6	0	22.42	21.30	PASS
16QAM	LCH	1	0	22.85	21.73	PASS
		1	3	23.09	21.97	PASS
		1	5	22.87	21.75	PASS
		3	0	22.75	21.63	PASS
		3	2	22.77	21.65	PASS
		3	3	22.72	21.60	PASS
		6	0	21.85	20.73	PASS
	MCH	1	0	22.92	21.80	PASS
		1	3	22.97	21.85	PASS
		1	5	22.90	21.78	PASS
		3	0	22.78	21.66	PASS
		3	2	22.78	21.66	PASS

		3	3	22.76	21.64	PASS
		6	0	21.73	20.61	PASS
	HCH	1	0	22.35	21.23	PASS
		1	3	22.42	21.30	PASS
		1	5	22.48	21.36	PASS
		3	0	22.29	21.17	PASS
		3	2	22.27	21.15	PASS
		3	3	22.25	21.13	PASS
		6	0	21.54	20.42	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	23.85	22.73	PASS
		1	7	23.76	22.64	PASS
		1	14	23.82	22.70	PASS
		8	0	22.83	21.71	PASS
		8	4	22.80	21.68	PASS
		8	7	22.82	21.70	PASS
		15	0	22.81	21.69	PASS
	MCH	1	0	23.87	22.75	PASS
		1	7	23.89	22.77	PASS
		1	14	23.85	22.73	PASS
		8	0	22.87	21.75	PASS
		8	4	22.86	21.74	PASS
		8	7	22.86	21.74	PASS
		15	0	22.87	21.75	PASS
	HCH	1	0	23.82	22.70	PASS
		1	7	23.76	22.64	PASS
		1	14	23.69	22.57	PASS
		8	0	22.55	21.43	PASS
		8	4	22.71	21.59	PASS
		8	7	22.76	21.64	PASS
		15	0	22.60	21.48	PASS
16QAM	LCH	1	0	23.00	21.88	PASS
		1	7	22.98	21.86	PASS
		1	14	22.85	21.73	PASS
		8	0	21.82	20.70	PASS
		8	4	21.84	20.72	PASS
		8	7	21.80	20.68	PASS

	MCH	15	0	21.78	20.66	PASS
		1	0	23.01	21.89	PASS
		1	7	22.98	21.86	PASS
		1	14	22.96	21.84	PASS
		8	0	21.84	20.72	PASS
		8	4	21.84	20.72	PASS
		8	7	21.79	20.67	PASS
		15	0	21.77	20.65	PASS
	HCH	1	0	22.55	21.43	PASS
		1	7	22.48	21.36	PASS
		1	14	22.45	21.33	PASS
		8	0	21.67	20.55	PASS
		8	4	21.72	20.60	PASS
		8	7	21.71	20.59	PASS
		15	0	21.53	20.41	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	23.82	22.70	PASS
		1	12	23.90	22.78	PASS
		1	24	23.75	22.63	PASS
		12	0	22.77	21.65	PASS
		12	6	22.78	21.66	PASS
		12	13	22.74	21.62	PASS
		25	0	22.81	21.69	PASS
	MCH	1	0	23.84	22.72	PASS
		1	12	23.93	22.81	PASS
		1	24	23.79	22.67	PASS
		12	0	22.91	21.79	PASS
		12	6	22.89	21.77	PASS
		12	13	22.81	21.69	PASS
		25	0	22.91	21.79	PASS
	HCH	1	0	23.87	22.75	PASS
		1	12	23.88	22.76	PASS
		1	24	23.73	22.61	PASS
		12	0	22.64	21.52	PASS
		12	6	22.84	21.72	PASS
		12	13	22.68	21.56	PASS
		25	0	22.87	21.75	PASS

16QAM	LCH	1	0	22.79	21.88	PASS
		1	12	22.85	21.86	PASS
		1	24	22.73	21.73	PASS
		12	0	21.73	20.70	PASS
		12	6	21.73	20.72	PASS
		12	13	21.78	20.68	PASS
		25	0	21.78	20.66	PASS
	MCH	1	0	23.02	21.89	PASS
		1	12	23.07	21.86	PASS
		1	24	22.96	21.84	PASS
		12	0	21.90	20.72	PASS
		12	6	21.93	20.72	PASS
		12	13	21.88	20.67	PASS
		25	0	21.86	20.65	PASS
	HCH	1	0	22.77	21.43	PASS
		1	12	22.71	21.36	PASS
		1	24	22.72	21.33	PASS
		12	0	21.78	20.55	PASS
		12	6	21.88	20.60	PASS
		12	13	21.86	20.59	PASS
		25	0	21.78	20.41	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	23.83	22.71	PASS
		1	24	23.92	22.80	PASS
		1	49	23.78	22.66	PASS
		25	0	22.81	21.69	PASS
		25	12	22.78	21.66	PASS
		25	25	22.73	21.61	PASS
		50	0	22.72	21.60	PASS
	MCH	1	0	23.84	22.72	PASS
		1	24	23.98	22.86	PASS
		1	49	23.83	22.71	PASS
		25	0	23.04	21.92	PASS
		25	12	23.05	21.93	PASS
		25	25	22.93	21.81	PASS
		50	0	22.94	21.82	PASS
	HCH	1	0	23.92	22.80	PASS

		1	24	24.01	22.89	PASS
		1	49	23.79	22.67	PASS
		25	0	22.91	21.79	PASS
		25	12	22.90	21.78	PASS
		25	25	22.77	21.65	PASS
		50	0	22.88	21.76	PASS
16QAM	LCH	1	0	22.99	21.87	PASS
		1	24	22.98	21.86	PASS
		1	49	22.92	21.80	PASS
		25	0	21.74	20.62	PASS
		25	12	21.72	20.60	PASS
		25	25	21.70	20.58	PASS
		50	0	21.69	20.57	PASS
	MCH	1	0	22.96	21.84	PASS
		1	24	23.10	21.98	PASS
		1	49	22.98	21.86	PASS
		25	0	22.00	20.88	PASS
		25	12	22.02	20.90	PASS
		25	25	21.91	20.79	PASS
		50	0	21.95	20.83	PASS
	HCH	1	0	22.74	21.62	PASS
		1	24	22.80	21.68	PASS
		1	49	22.78	21.66	PASS
		25	0	21.82	20.70	PASS
		25	12	21.92	20.80	PASS
		25	25	21.81	20.69	PASS
		50	0	21.84	20.72	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	4.89	<13	PASS
		1	3	4.66	<13	PASS
		1	5	4.73	<13	PASS
		3	0	4.92	<13	PASS
		3	2	5.02	<13	PASS
		3	3	4.93	<13	PASS
		6	0	5.35	<13	PASS
	MCH	1	0	4.1	<13	PASS
		1	3	3.81	<13	PASS
		1	5	4.07	<13	PASS
		3	0	4.09	<13	PASS
		3	2	4.06	<13	PASS
		3	3	4.05	<13	PASS
		6	0	4.77	<13	PASS
	HCH	1	0	4.01	<13	PASS
		1	3	3.73	<13	PASS
		1	5	4	<13	PASS
		3	0	4.3	<13	PASS
		3	2	4.28	<13	PASS
		3	3	4.4	<13	PASS
		6	0	4.83	<13	PASS
16QAM	LCH	1	0	5.71	<13	PASS
		1	3	5.72	<13	PASS
		1	5	5.75	<13	PASS
		3	0	5.72	<13	PASS
		3	2	5.74	<13	PASS
		3	3	5.62	<13	PASS
		6	0	6.06	<13	PASS
	MCH	1	0	4.95	<13	PASS
		1	3	4.84	<13	PASS
		1	5	5.01	<13	PASS

		3	0	4.87	<13	PASS
		3	2	4.83	<13	PASS
		3	3	4.84	<13	PASS
		6	0	5.6	<13	PASS
	HCH	1	0	4.94	<13	PASS
		1	3	4.81	<13	PASS
		1	5	4.91	<13	PASS
		3	0	5.2	<13	PASS
		3	2	5.23	<13	PASS
		3	3	5.08	<13	PASS
		6	0	5.7	<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	4.61	<13	PASS
		1	7	4.69	<13	PASS
		1	14	4.62	<13	PASS
		8	0	5.35	<13	PASS
		8	4	5.41	<13	PASS
		8	7	5.38	<13	PASS
		15	0	5.38	<13	PASS
	MCH	1	0	4	<13	PASS
		1	7	3.84	<13	PASS
		1	14	3.99	<13	PASS
		8	0	4.81	<13	PASS
		8	4	4.83	<13	PASS
		8	7	4.81	<13	PASS
		15	0	4.84	<13	PASS
	HCH	1	0	4.03	<13	PASS
		1	7	3.9	<13	PASS
		1	14	3.81	<13	PASS
		8	0	4.91	<13	PASS
		8	4	4.83	<13	PASS
		8	7	4.83	<13	PASS
		15	0	4.82	<13	PASS
16QAM	LCH	1	0	5.47	<13	PASS
		1	7	5.6	<13	PASS
		1	14	5.59	<13	PASS
		8	0	6.31	<13	PASS

		8	4	6.19	<13	PASS
		8	7	6.22	<13	PASS
		15	0	6.23	<13	PASS
	MCH	1	0	4.85	<13	PASS
		1	7	4.86	<13	PASS
		1	14	4.84	<13	PASS
		8	0	5.7	<13	PASS
		8	4	5.65	<13	PASS
		8	7	5.73	<13	PASS
		15	0	5.71	<13	PASS
	HCH	1	0	4.85	<13	PASS
		1	7	4.73	<13	PASS
		1	14	4.78	<13	PASS
		8	0	5.71	<13	PASS
		8	4	5.71	<13	PASS
		8	7	5.64	<13	PASS
		15	0	5.7	<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	4.93	<13	PASS
		1	12	4.73	<13	PASS
		1	24	4.67	<13	PASS
		12	0	5.35	<13	PASS
		12	6	5.31	<13	PASS
		12	13	5.23	<13	PASS
		25	0	5.36	<13	PASS
	MCH	1	0	4.21	<13	PASS
		1	12	3.99	<13	PASS
		1	24	4.39	<13	PASS
		12	0	4.81	<13	PASS
		12	6	4.8	<13	PASS
		12	13	4.9	<13	PASS
		25	0	4.89	<13	PASS
	HCH	1	0	4.43	<13	PASS
		1	12	4.05	<13	PASS
		1	24	4.02	<13	PASS
		12	0	5.12	<13	PASS
		12	6	5.07	<13	PASS

16QAM	LCH	12	13	4.99	<13	PASS
		25	0	4.96	<13	PASS
		1	0	5.7	<13	PASS
		1	12	5.51	<13	PASS
		1	24	5.49	<13	PASS
		12	0	6.13	<13	PASS
		12	6	6.12	<13	PASS
		12	13	6.01	<13	PASS
		25	0	6.07	<13	PASS
	MCH	1	0	4.92	<13	PASS
		1	12	4.83	<13	PASS
		1	24	5.08	<13	PASS
		12	0	5.71	<13	PASS
		12	6	5.64	<13	PASS
		12	13	5.72	<13	PASS
		25	0	5.74	<13	PASS
	HCH	1	0	4.99	<13	PASS
		1	12	4.73	<13	PASS
		1	24	4.9	<13	PASS
		12	0	5.8	<13	PASS
		12	6	5.84	<13	PASS
		12	13	5.72	<13	PASS
		25	0	5.86	<13	PASS

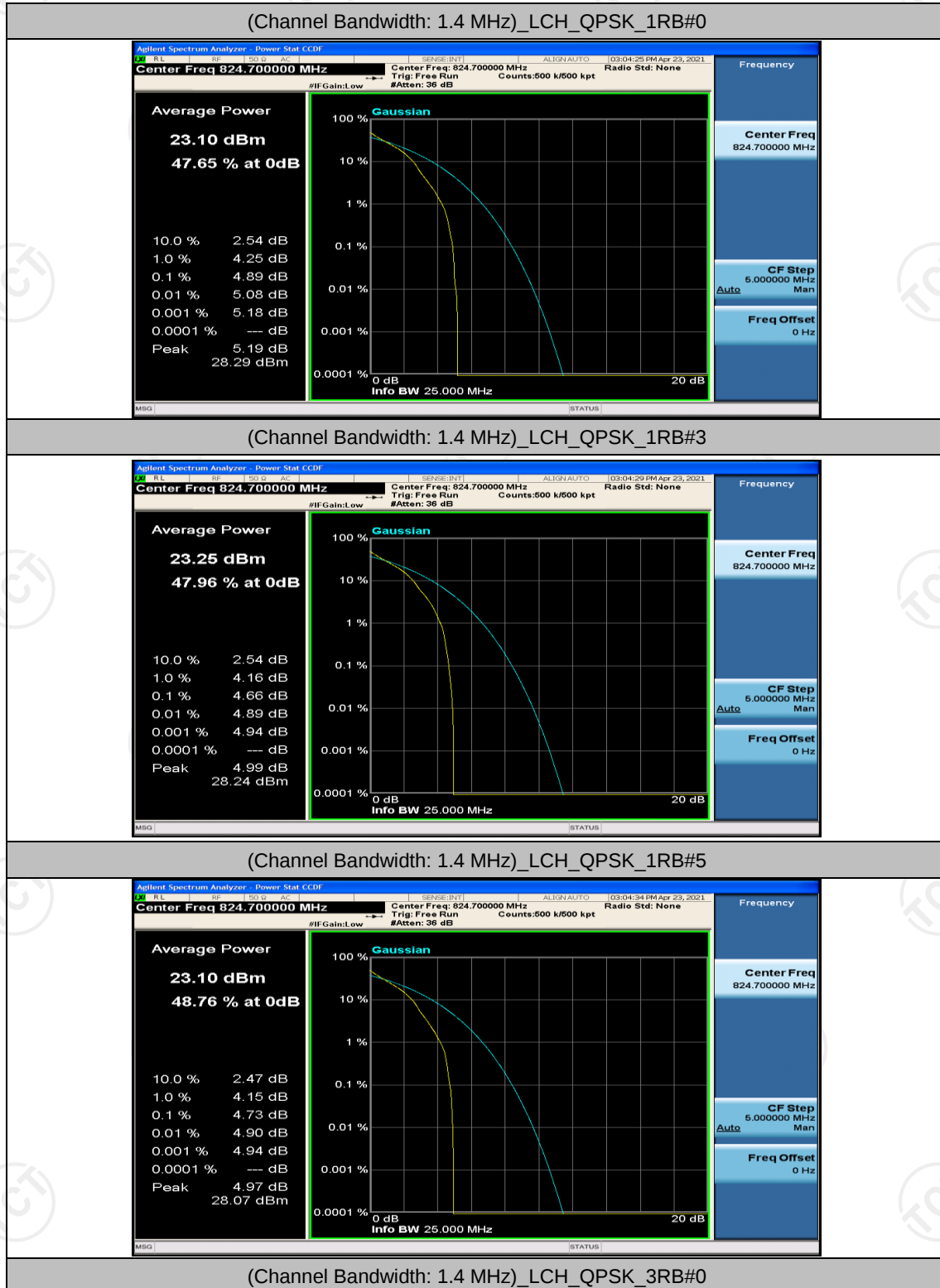
Channel Bandwidth: 10 MHz

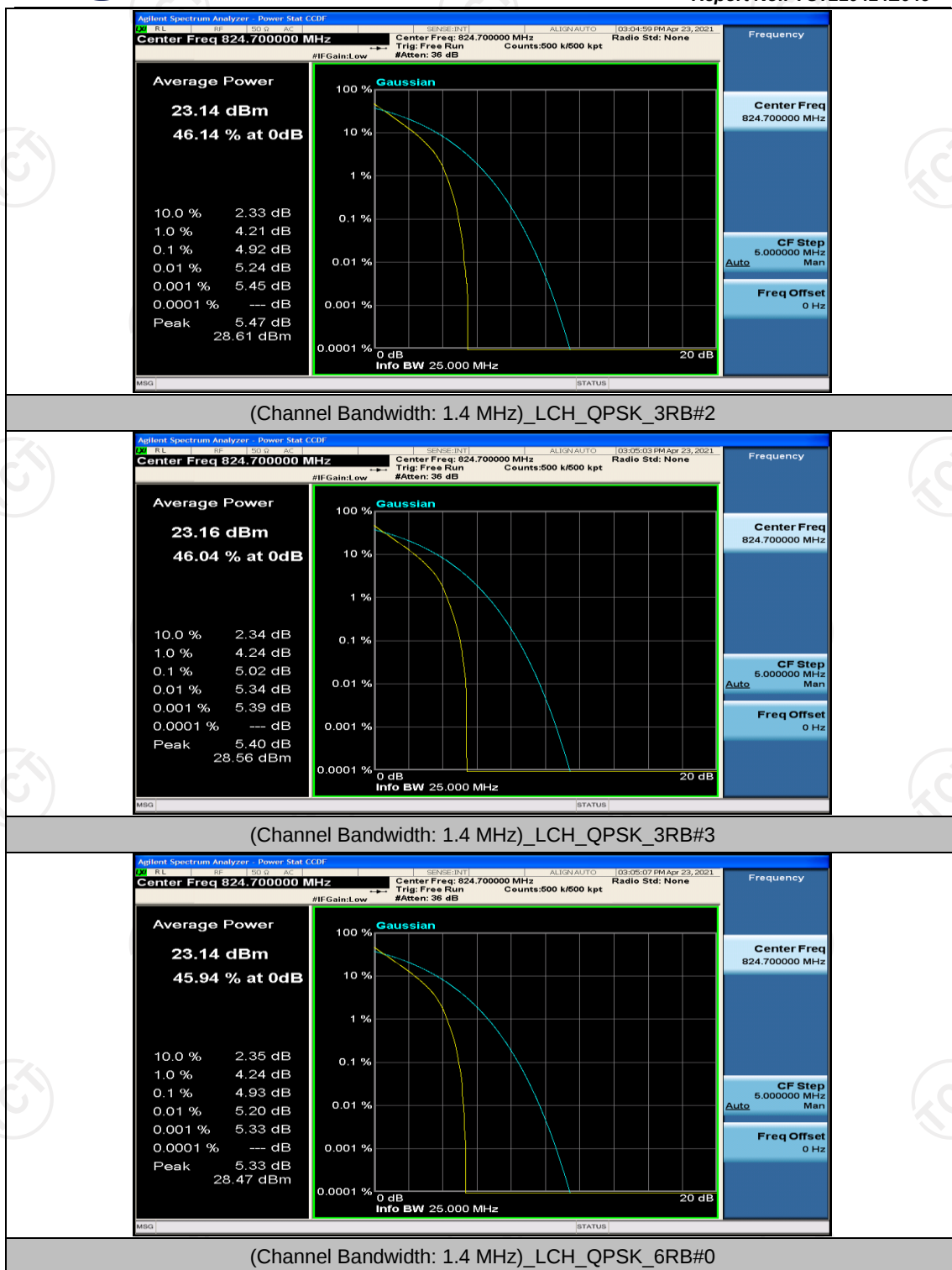
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.62	<13	PASS
		1	24	4.25	<13	PASS
		1	49	3.92	<13	PASS
		25	0	5.35	<13	PASS
		25	12	5.35	<13	PASS
		25	25	5	<13	PASS
		50	0	5.14	<13	PASS
	MCH	1	0	4.14	<13	PASS
		1	24	3.86	<13	PASS
		1	49	4.45	<13	PASS
		25	0	4.76	<13	PASS
		25	12	4.71	<13	PASS
		25	25	4.99	<13	PASS

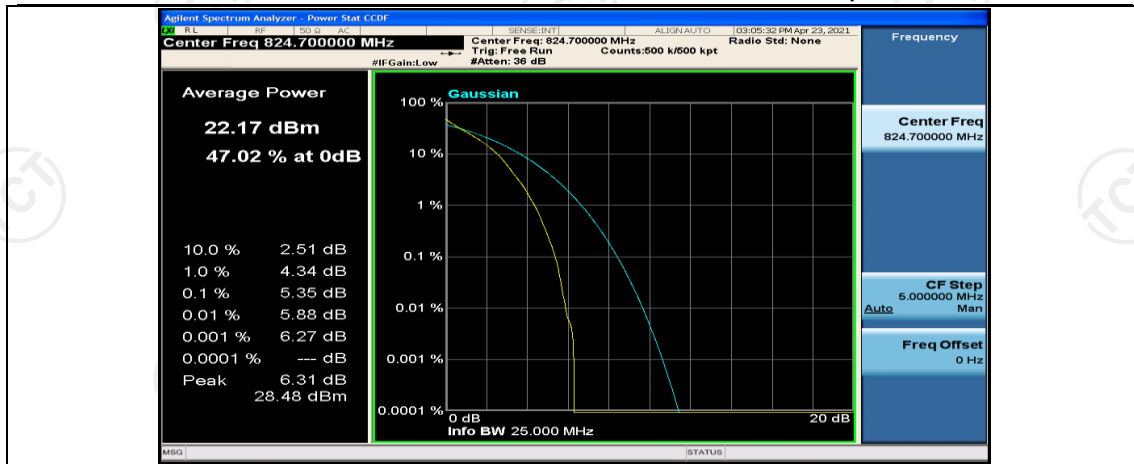
	HCH	50	0	4.98	<13	PASS
		1	0	4.12	<13	PASS
		1	24	4.04	<13	PASS
		1	49	3.98	<13	PASS
		25	0	5.23	<13	PASS
		25	12	5.23	<13	PASS
		25	25	5.12	<13	PASS
		50	0	5.14	<13	PASS
16QAM	LCH	1	0	5.71	<13	PASS
		1	24	5.2	<13	PASS
		1	49	4.94	<13	PASS
		25	0	6.19	<13	PASS
		25	12	6.18	<13	PASS
		25	25	5.98	<13	PASS
		50	0	5.99	<13	PASS
		50	0	5.99	<13	PASS
	MCH	1	0	4.99	<13	PASS
		1	24	4.7	<13	PASS
		1	49	5.36	<13	PASS
		25	0	5.64	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.87	<13	PASS
		50	0	5.81	<13	PASS
		50	0	5.81	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	24	5.04	<13	PASS
		1	49	4.72	<13	PASS
		25	0	6.07	<13	PASS
		25	12	6.1	<13	PASS
		25	25	5.95	<13	PASS
		50	0	6.02	<13	PASS
		50	0	6.02	<13	PASS

Test Graphs

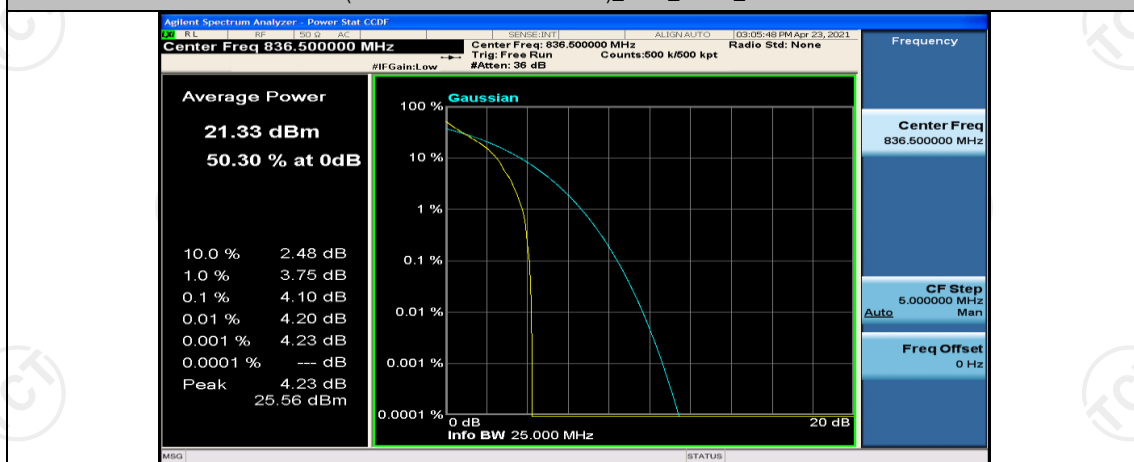
Channel Bandwidth: 1.4 MHz



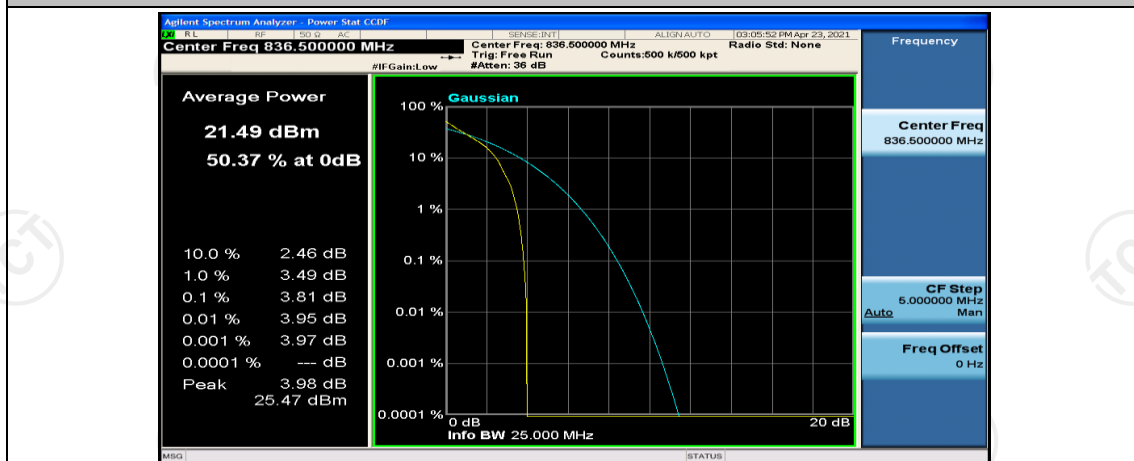




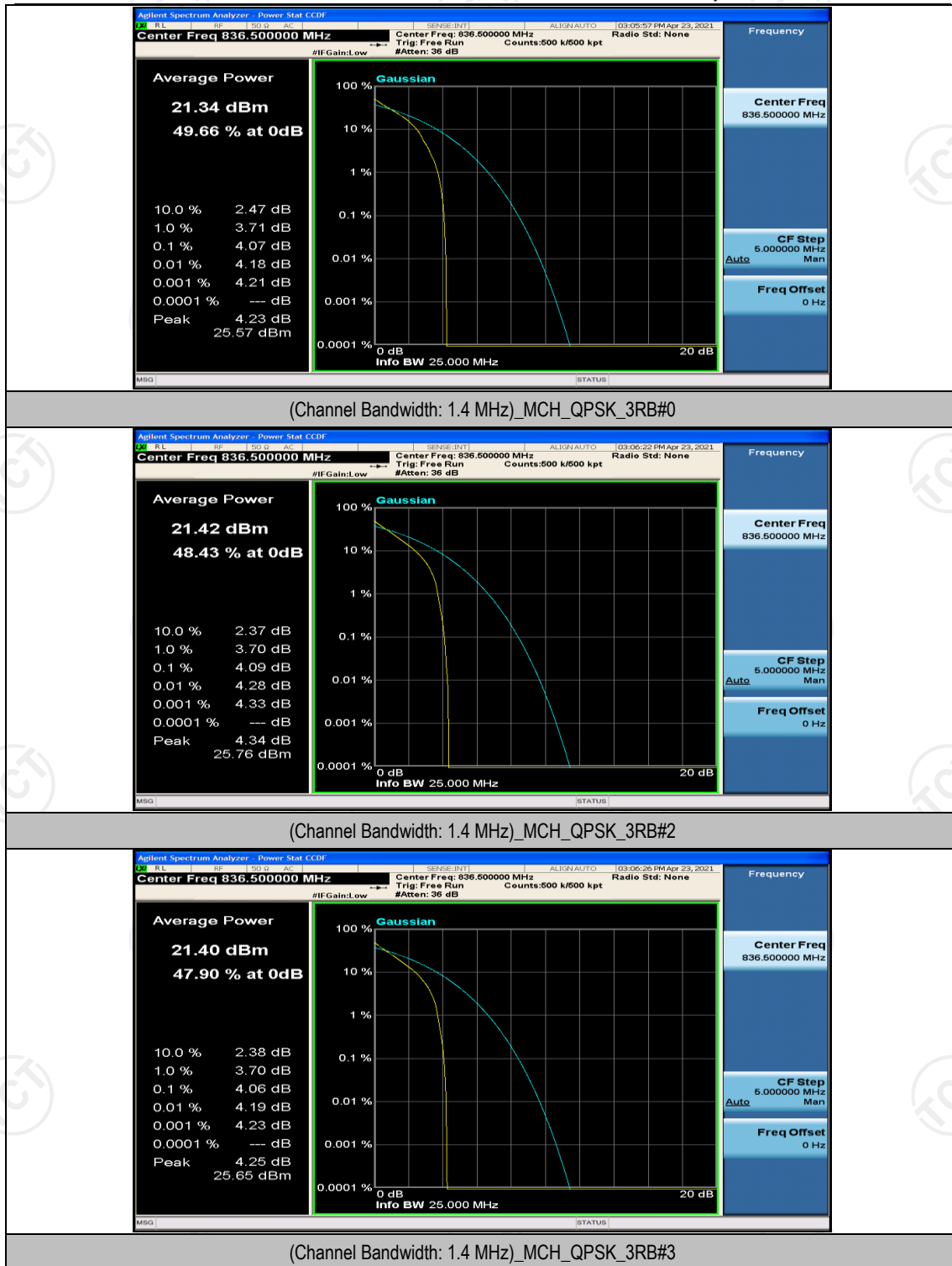
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

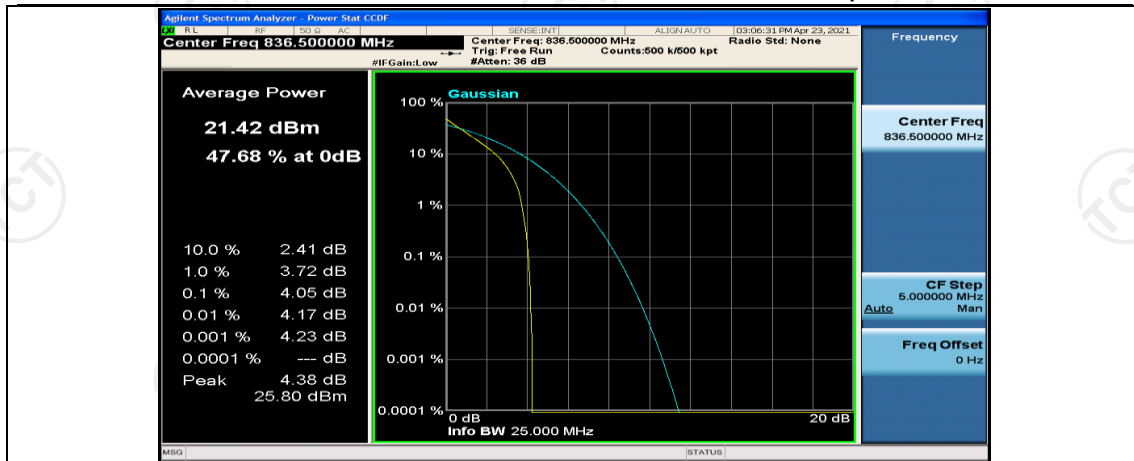


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

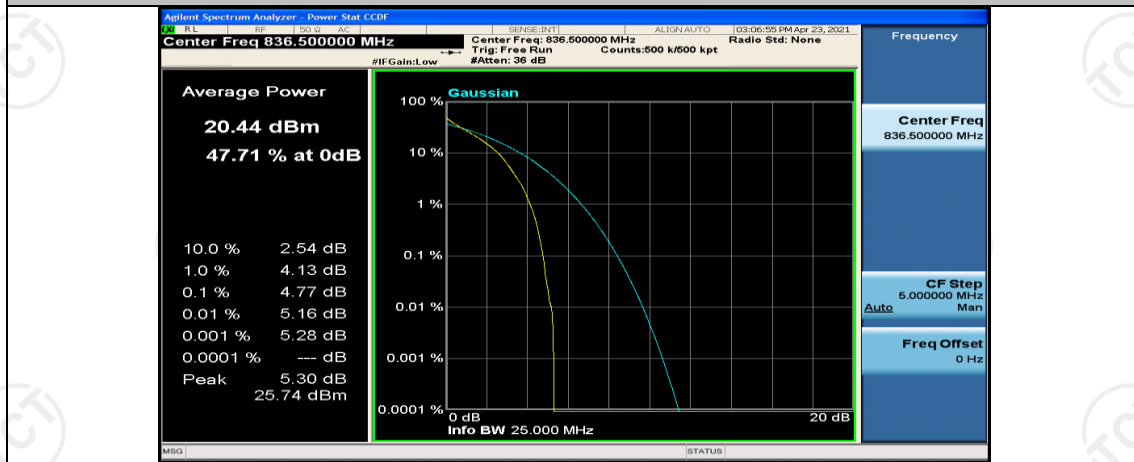


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

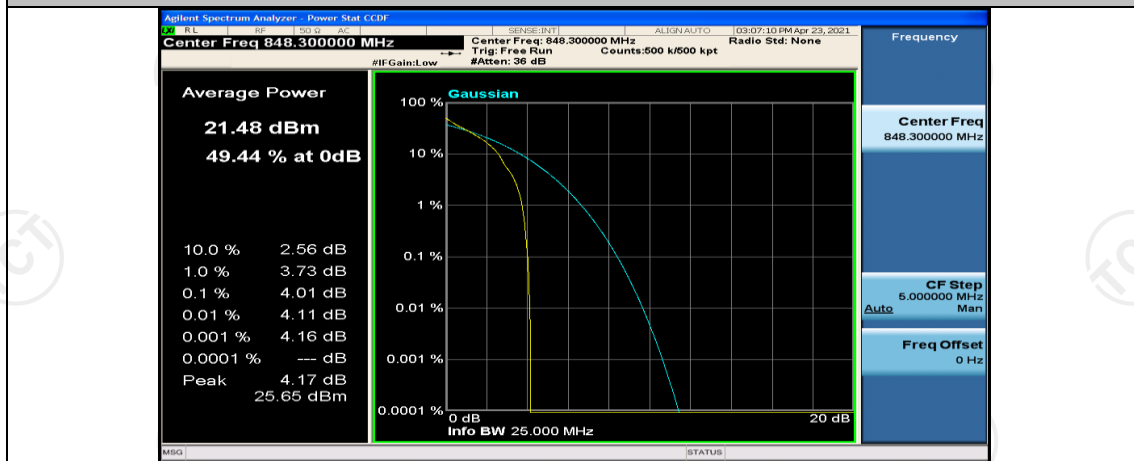




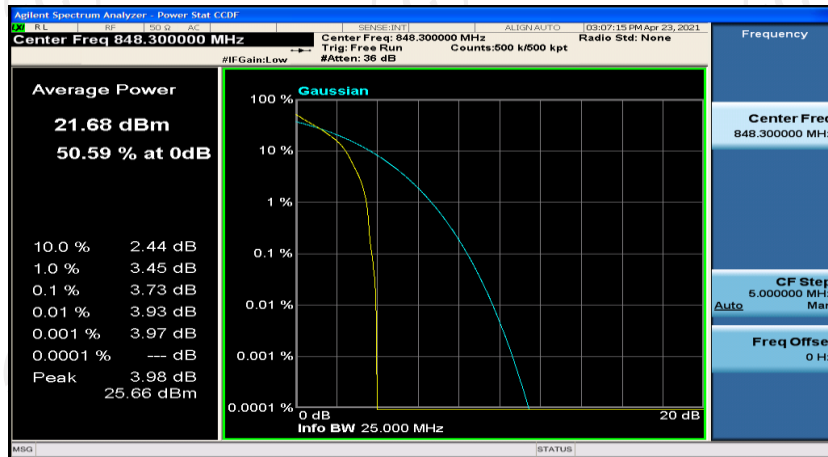
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



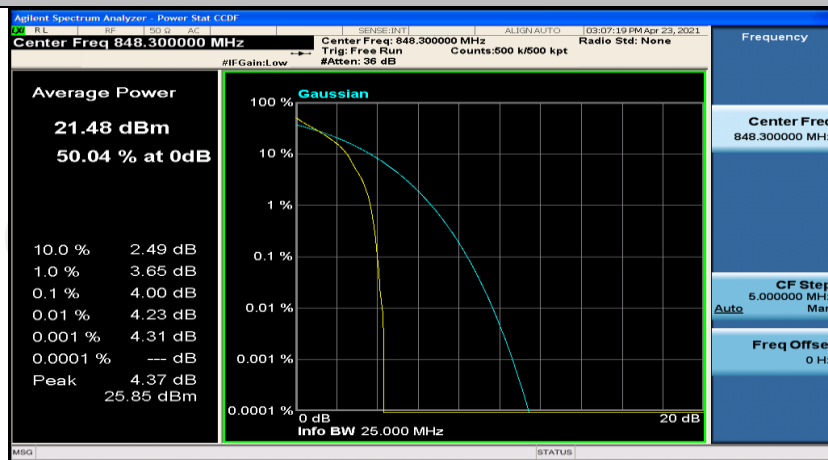
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



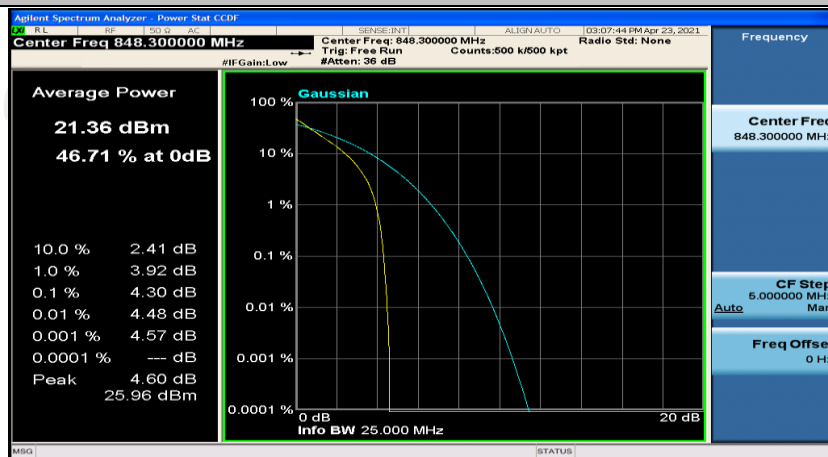
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



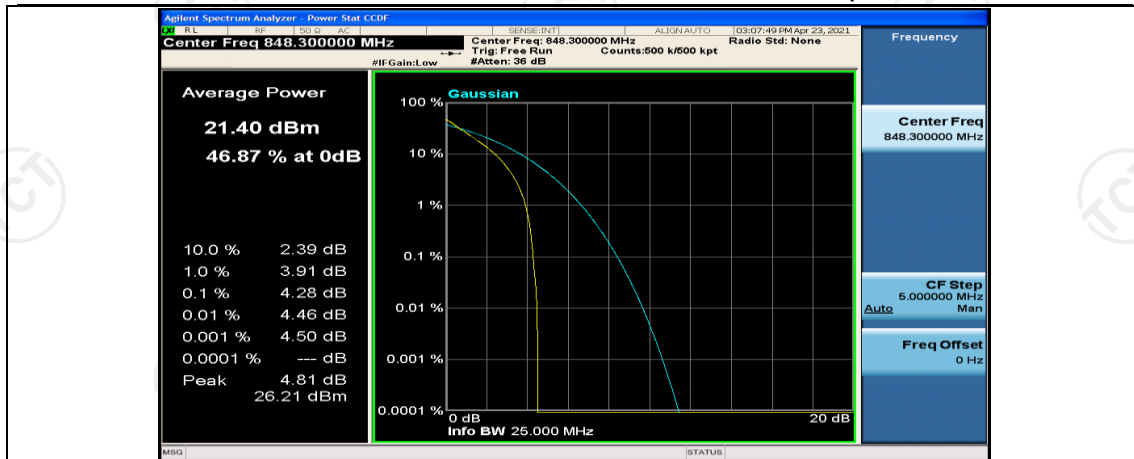
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



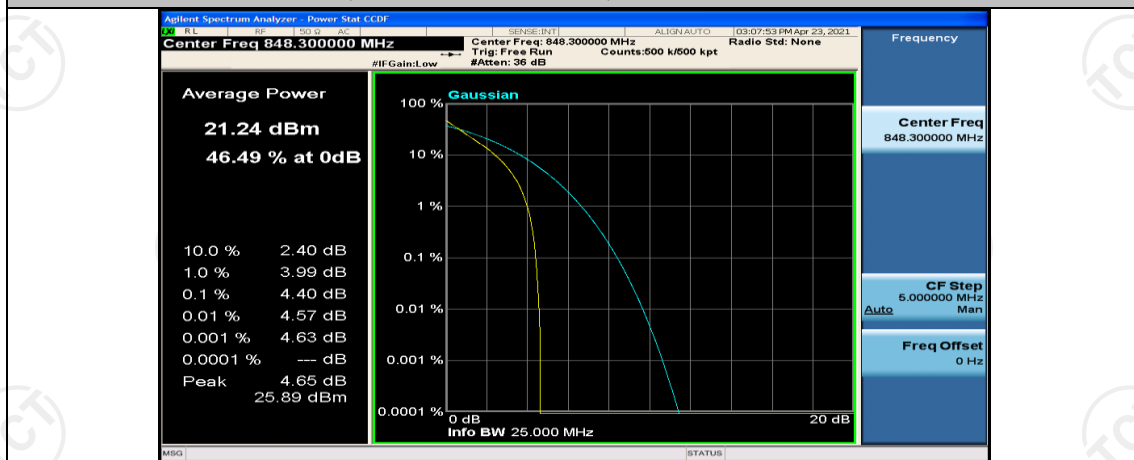
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



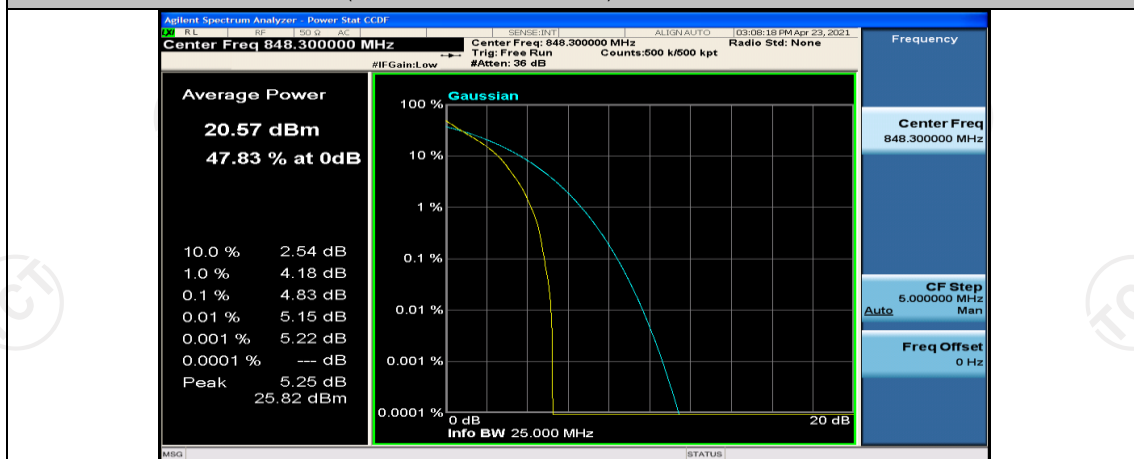
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



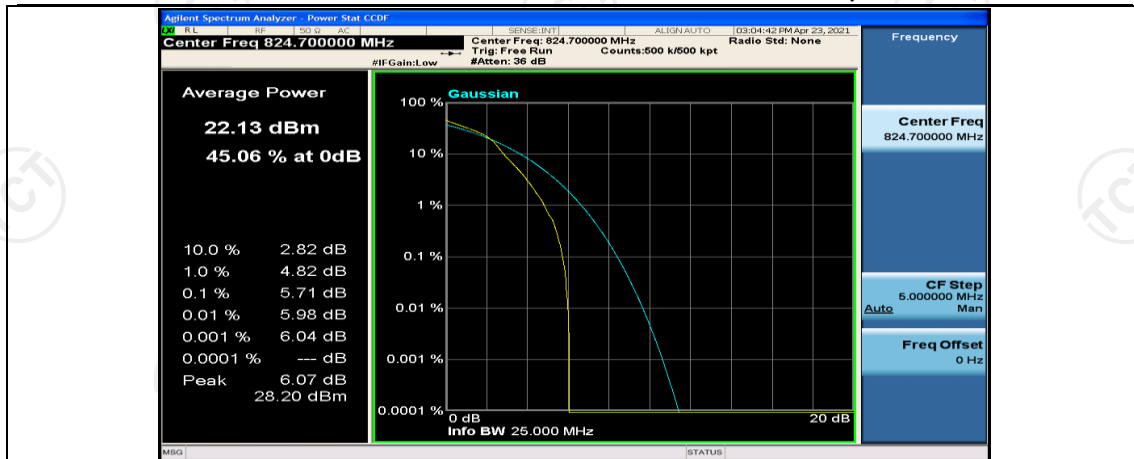
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



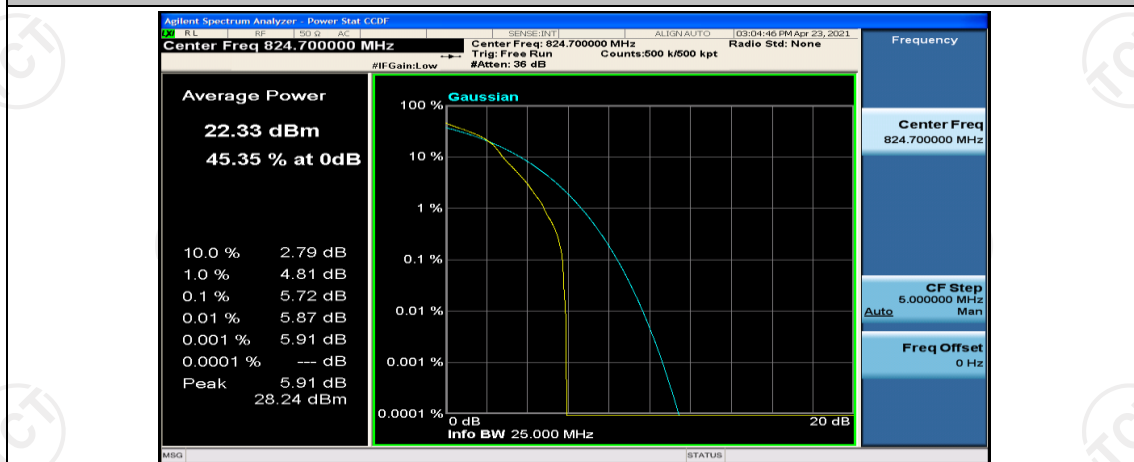
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



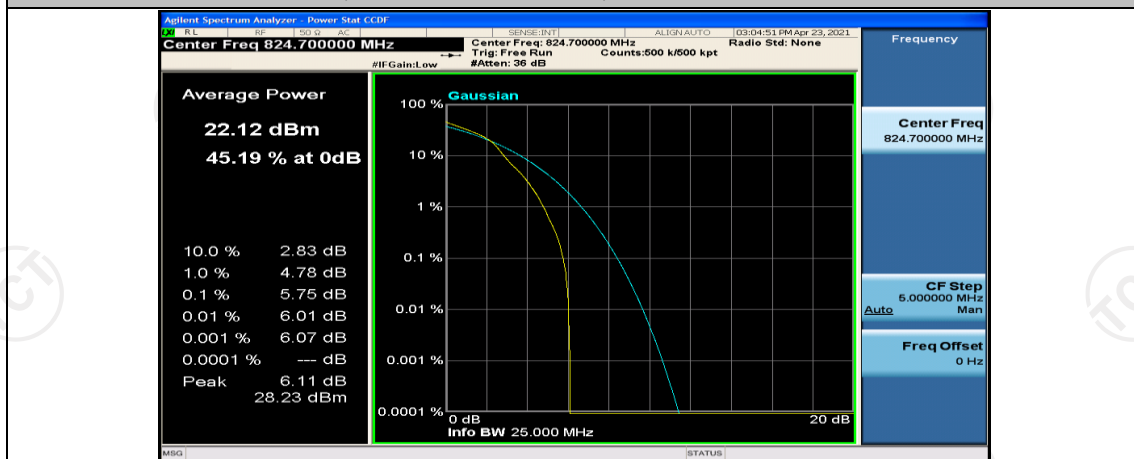
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



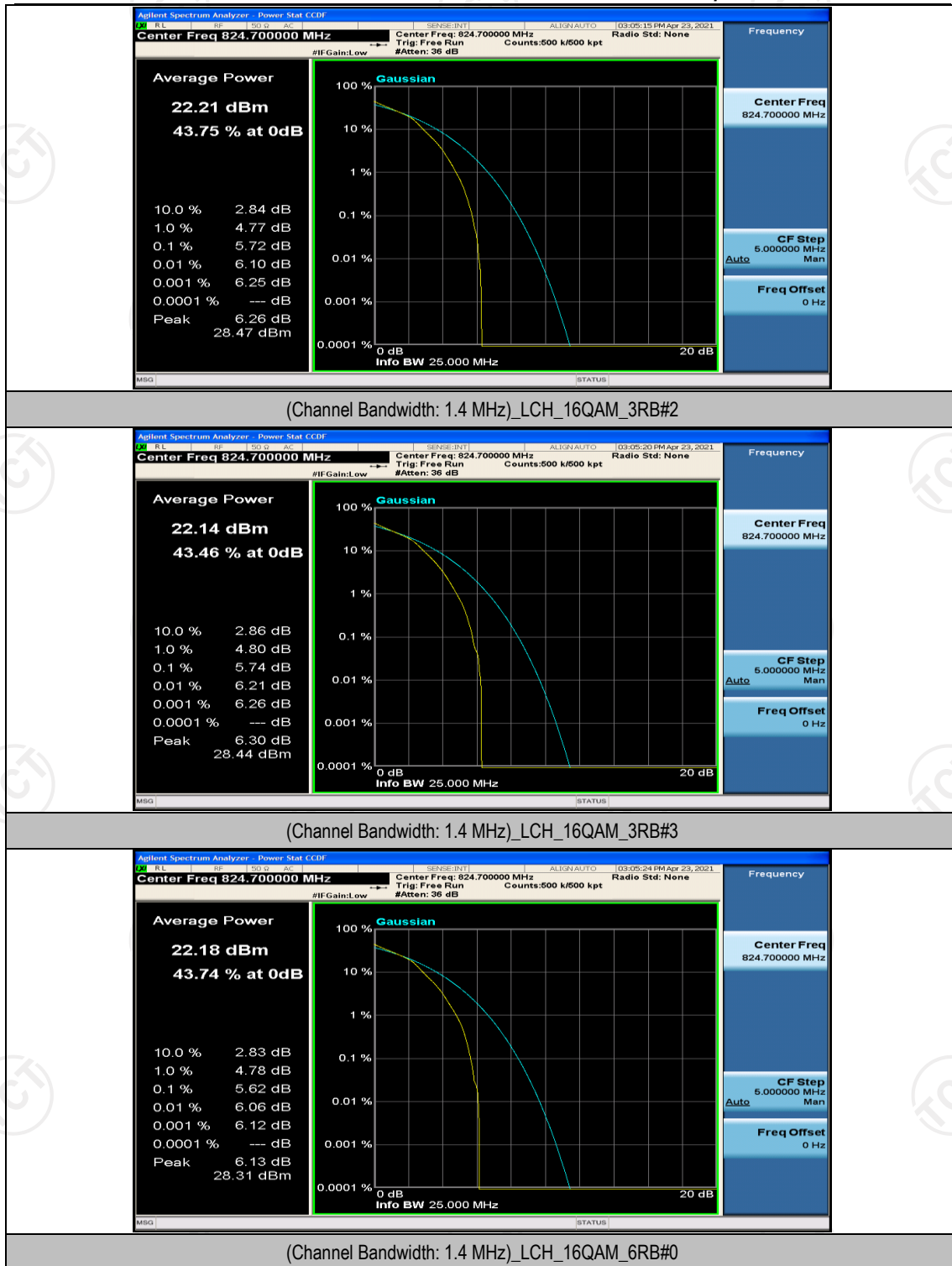
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

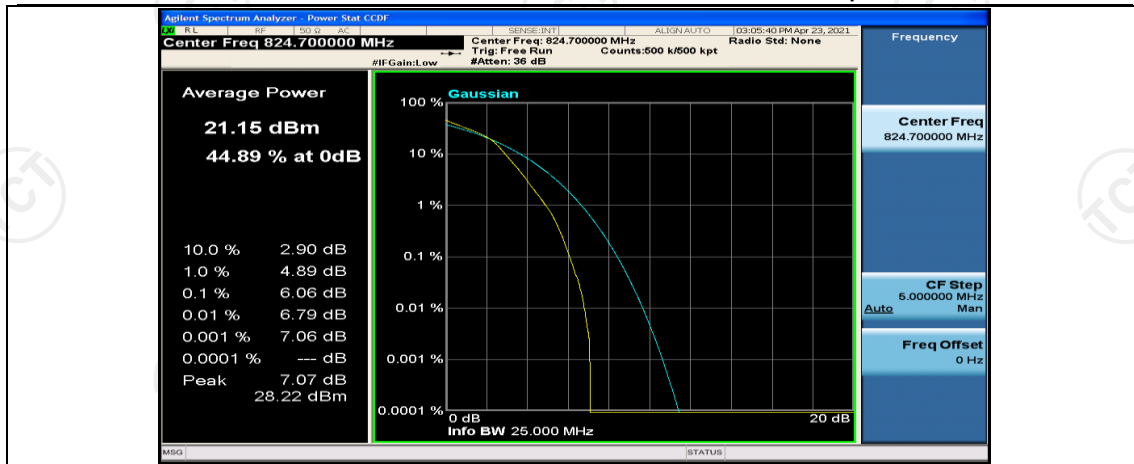


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

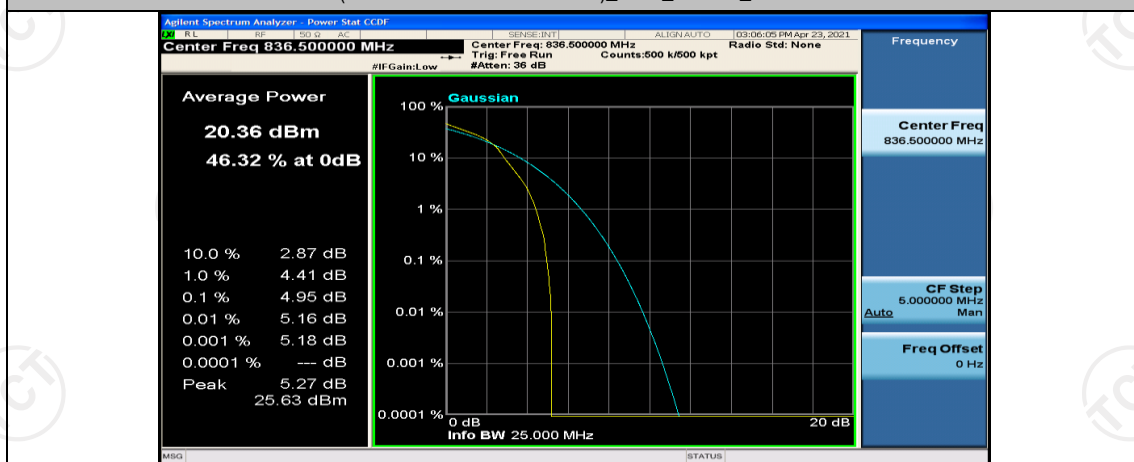


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

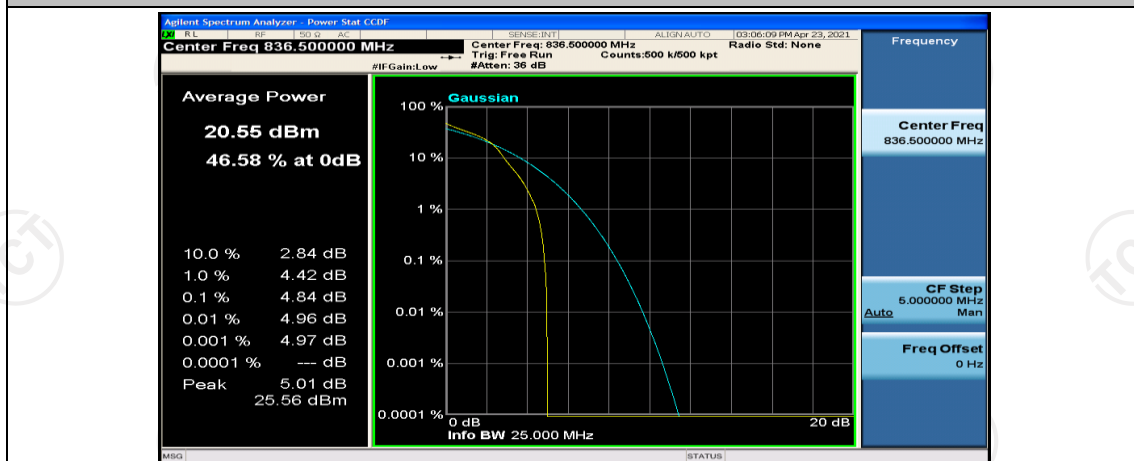




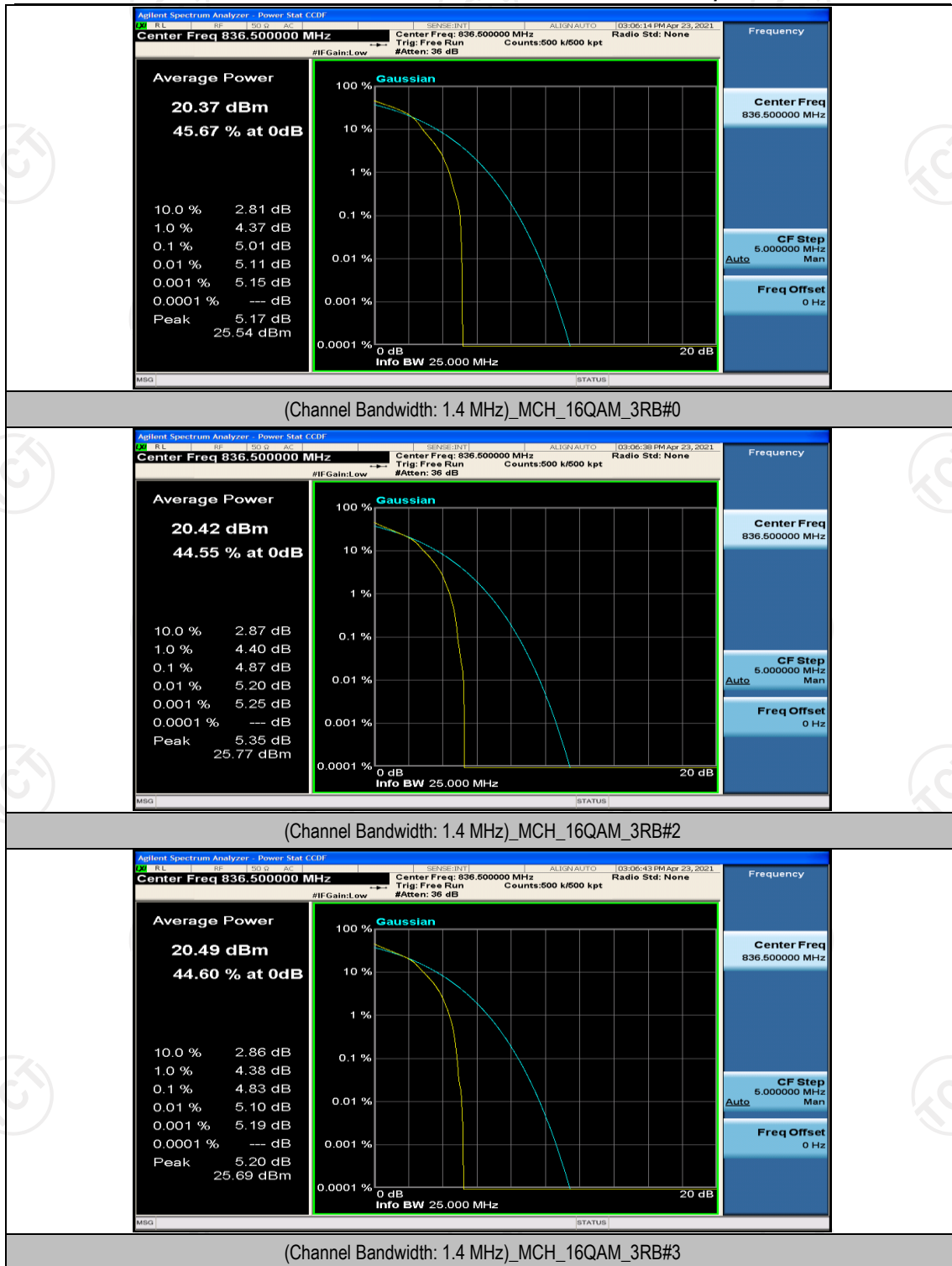
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

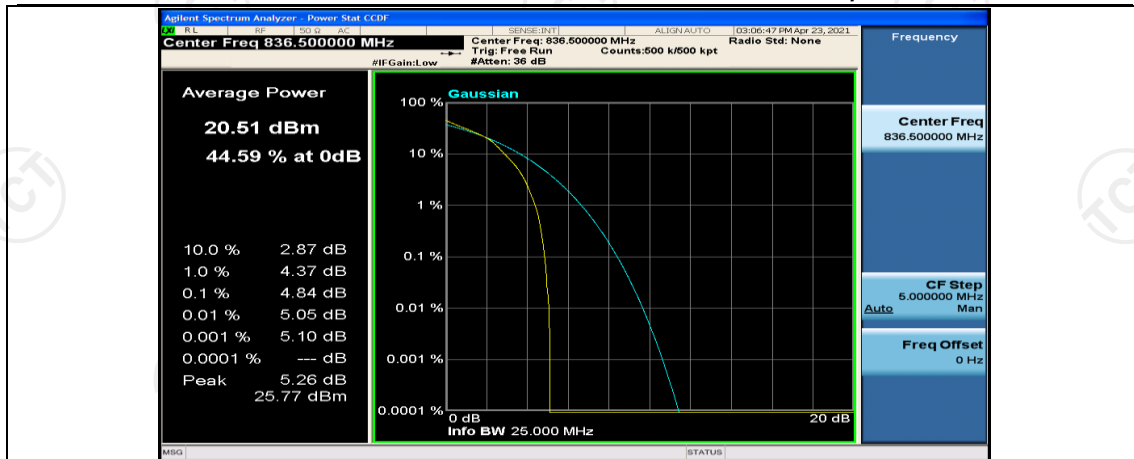


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

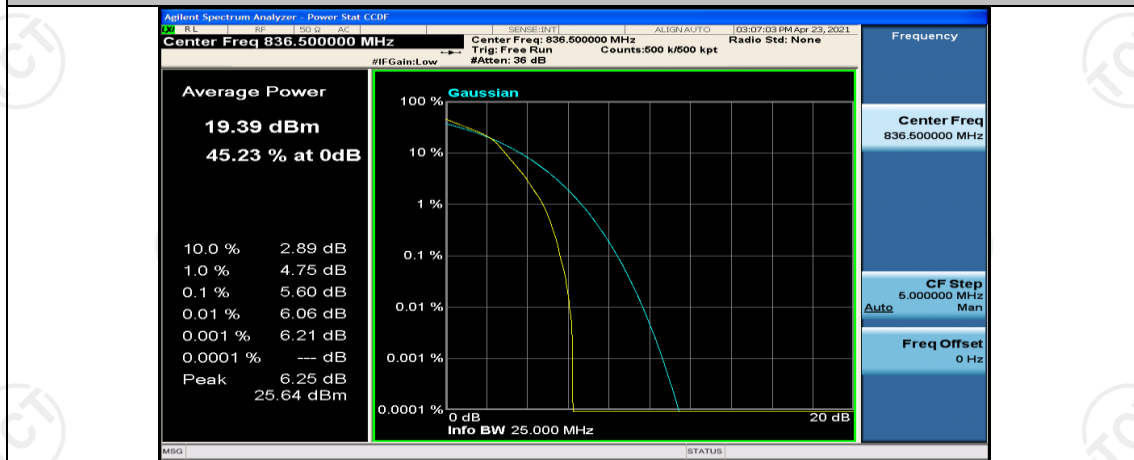


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

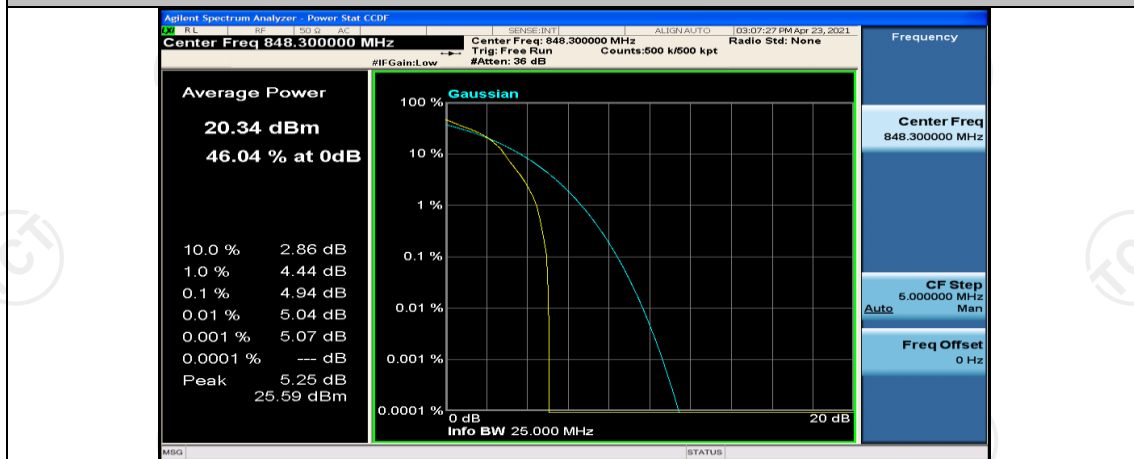




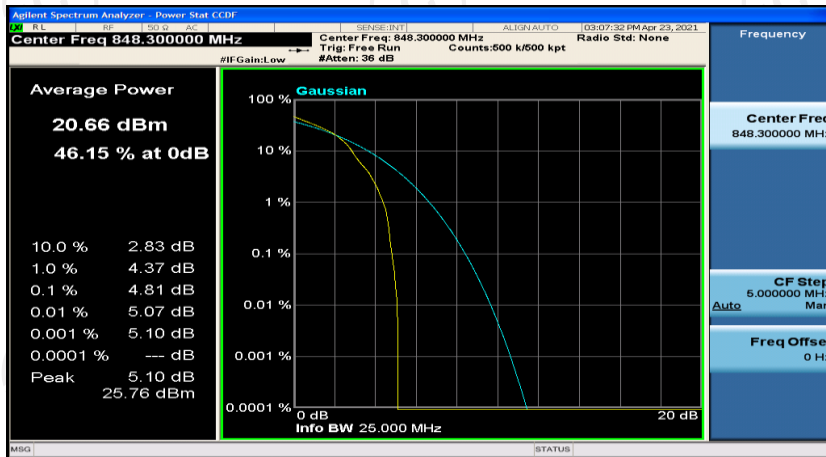
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



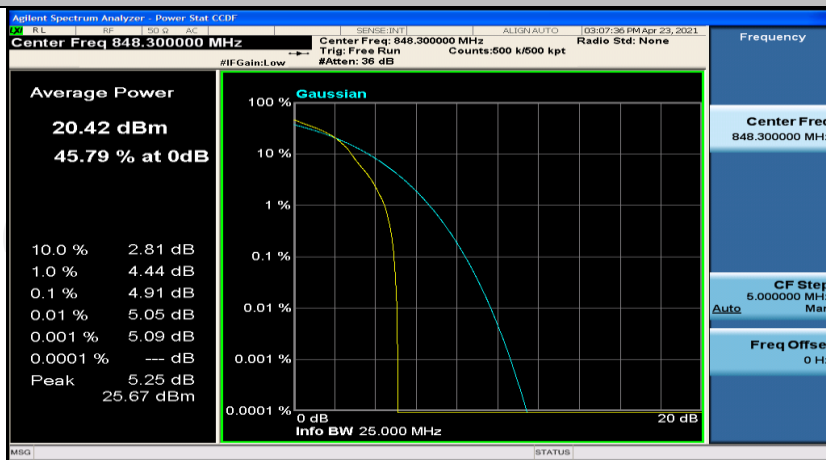
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



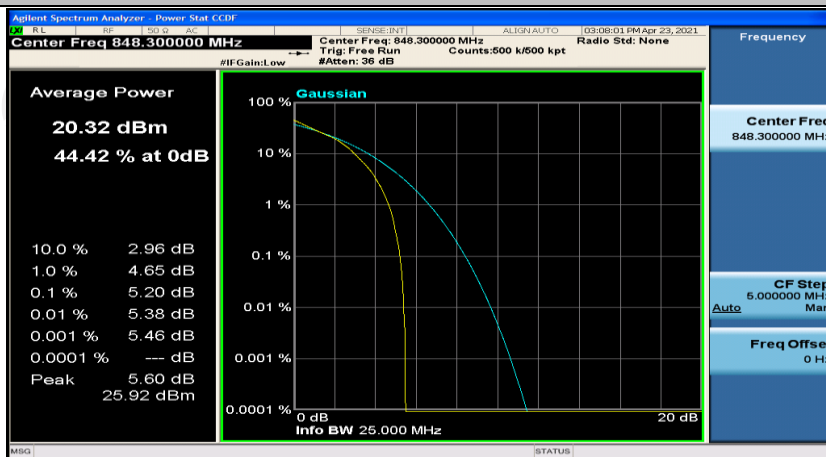
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



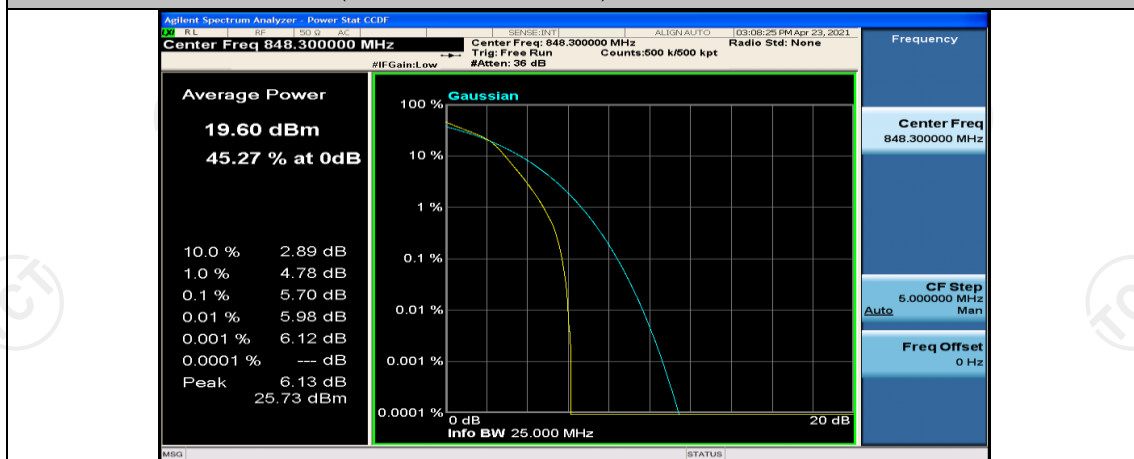
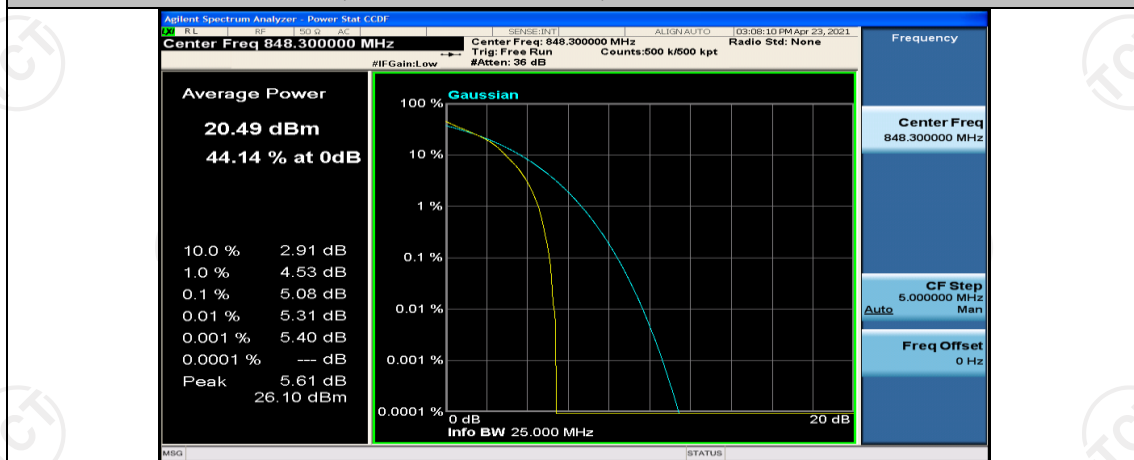
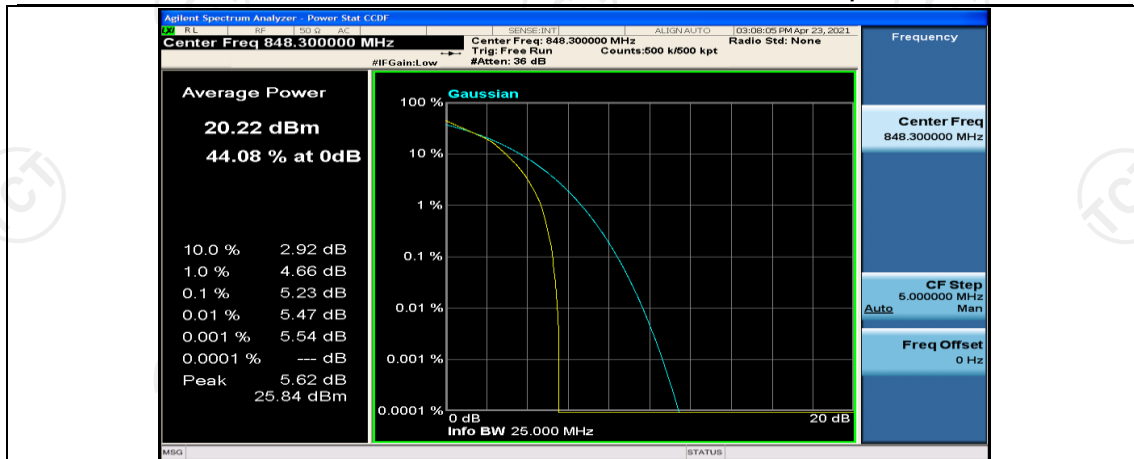
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

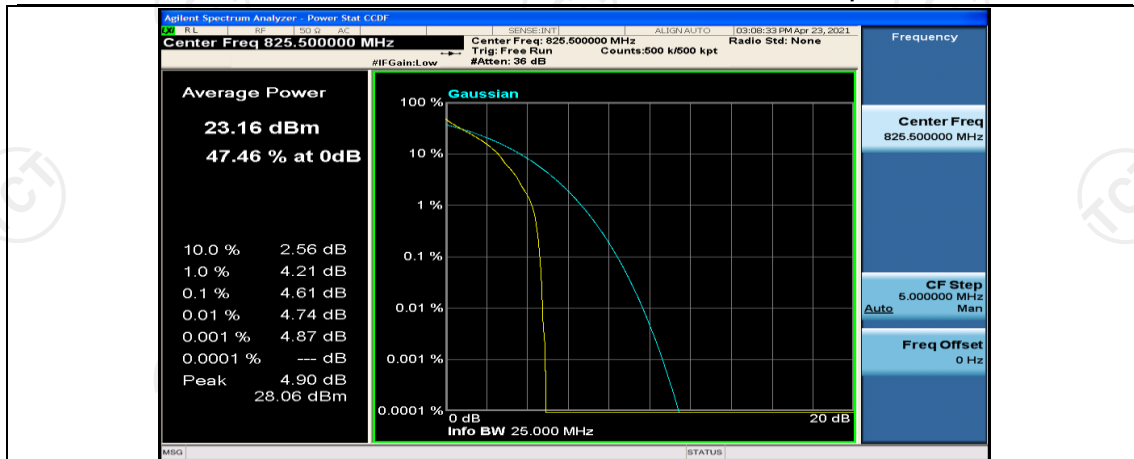


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

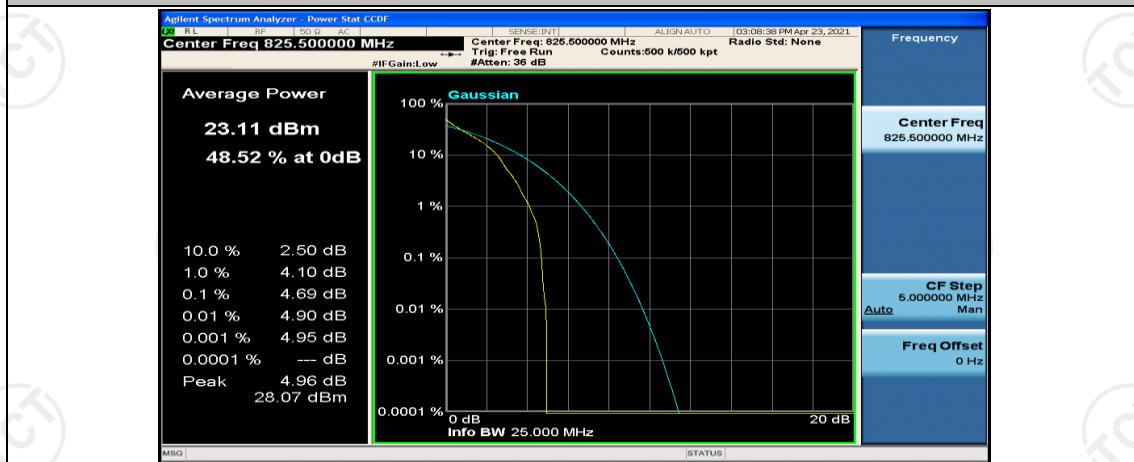


Channel Bandwidth: 3 MHz

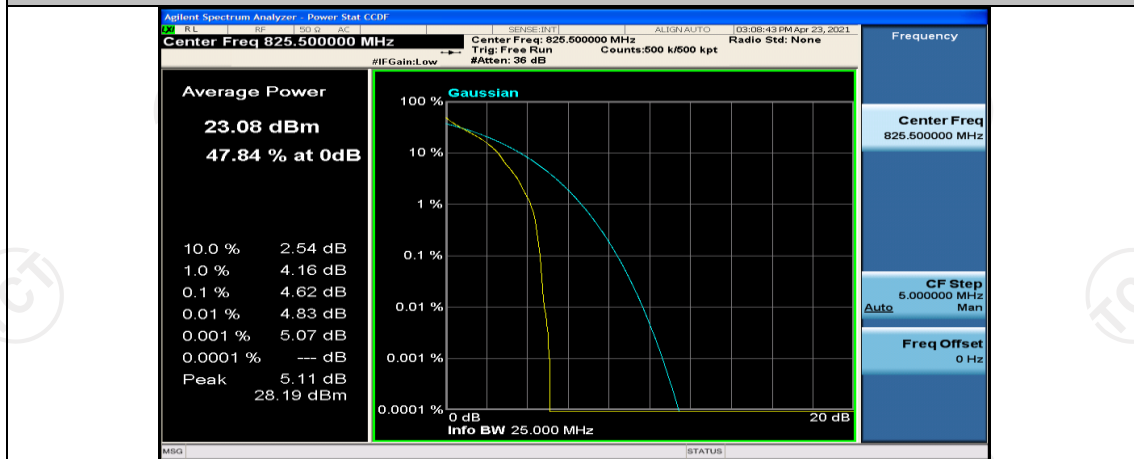
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



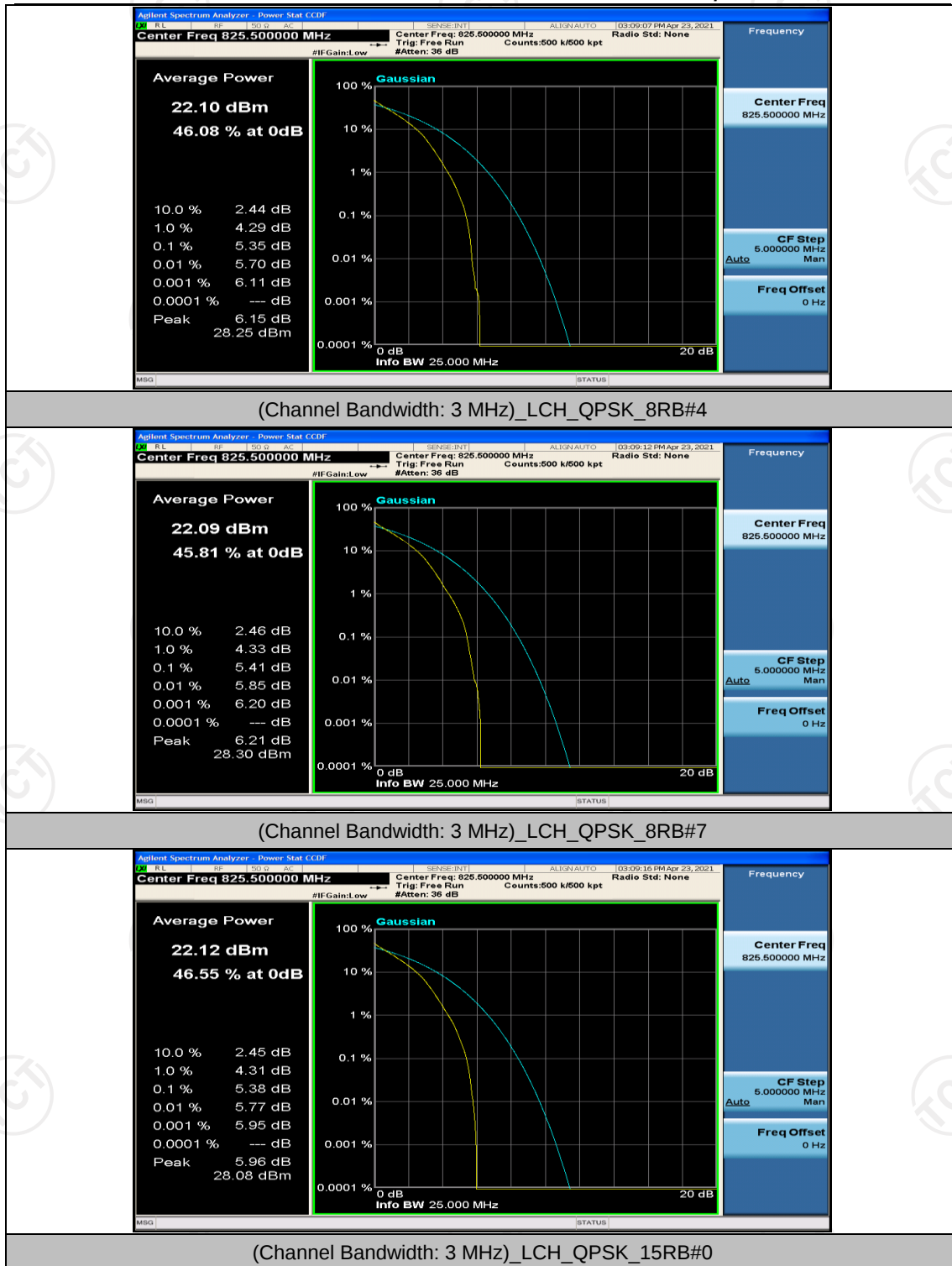
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14

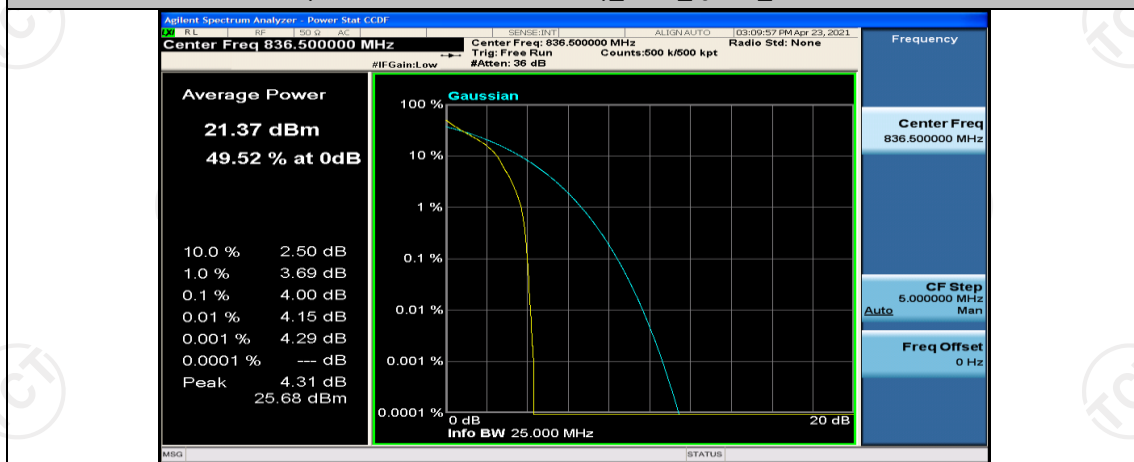


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

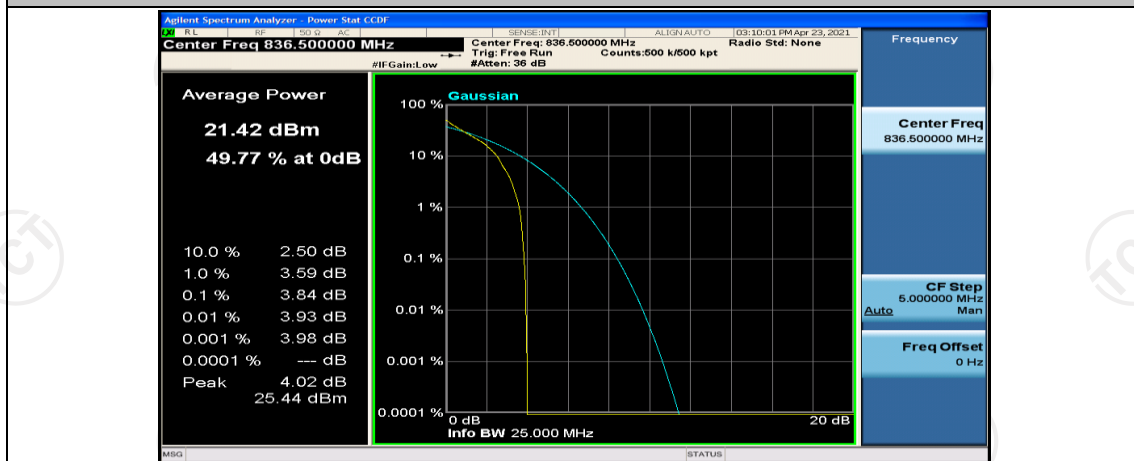




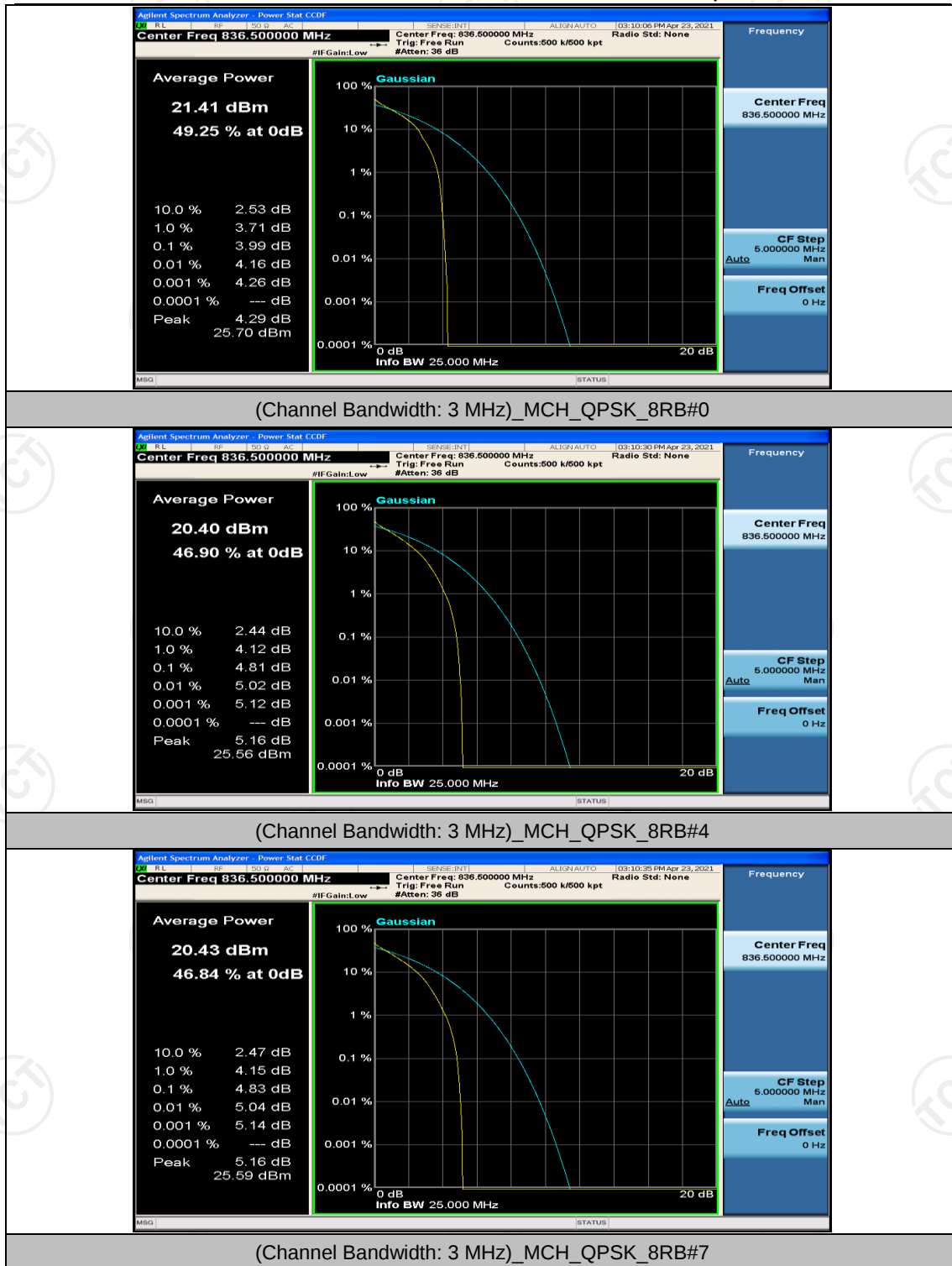
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

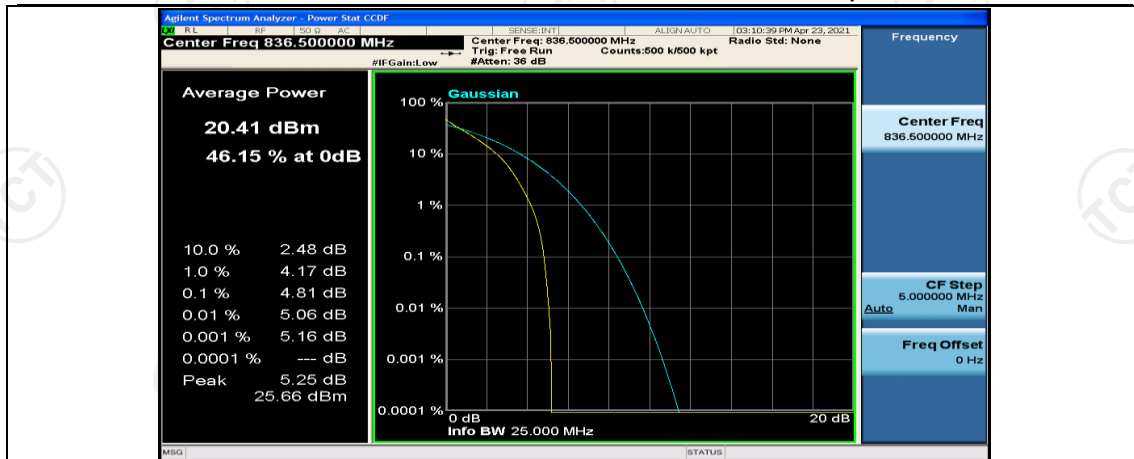


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

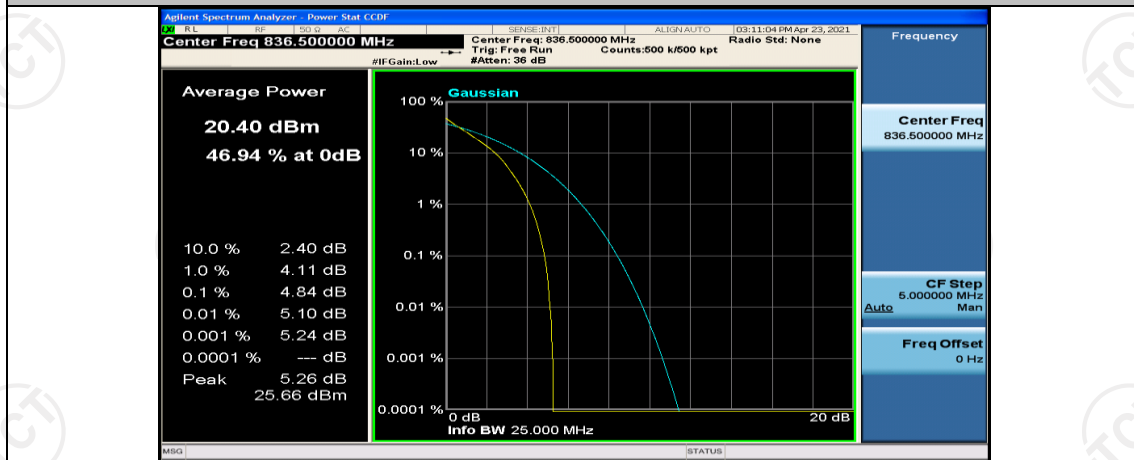


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

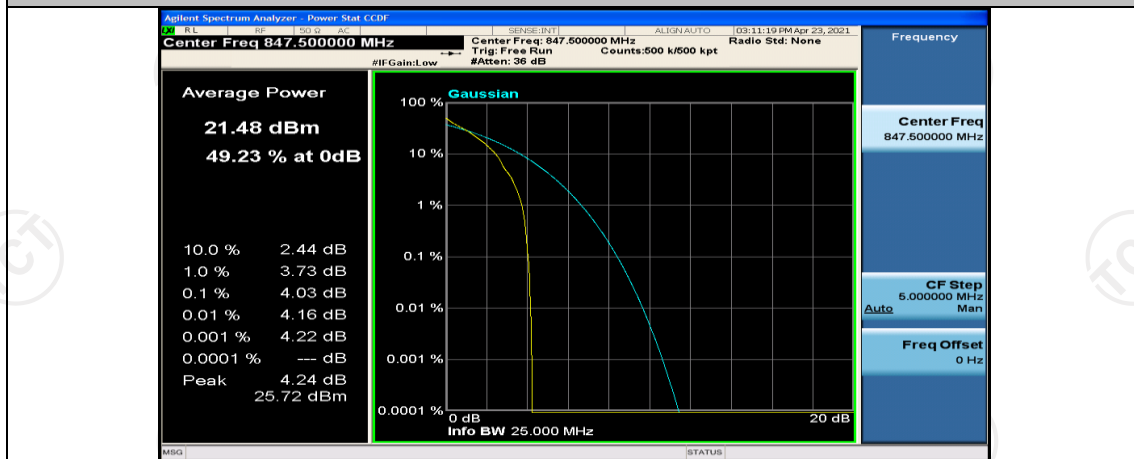




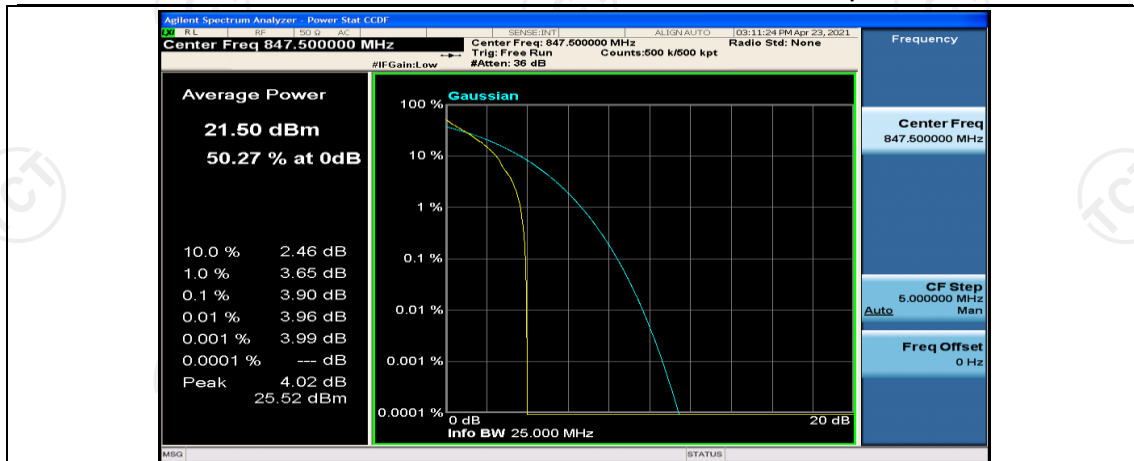
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



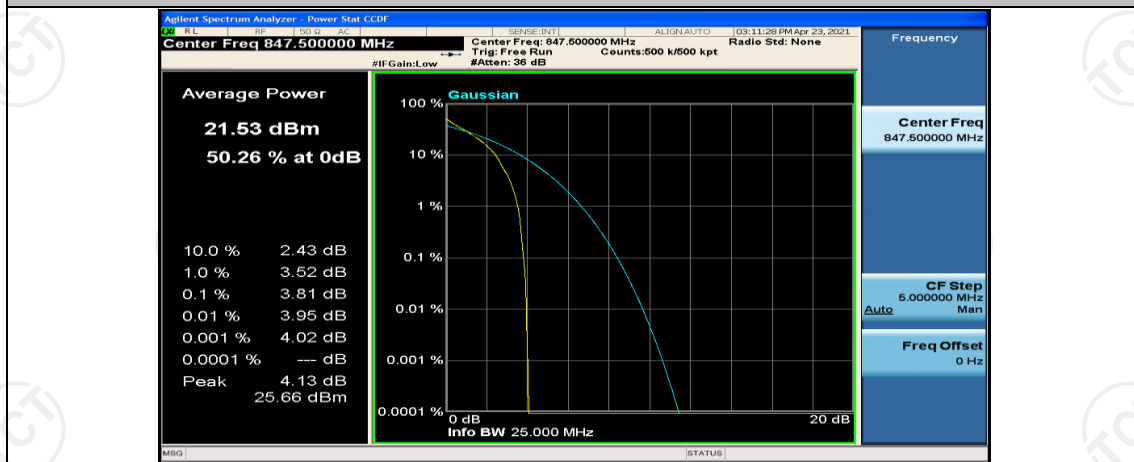
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



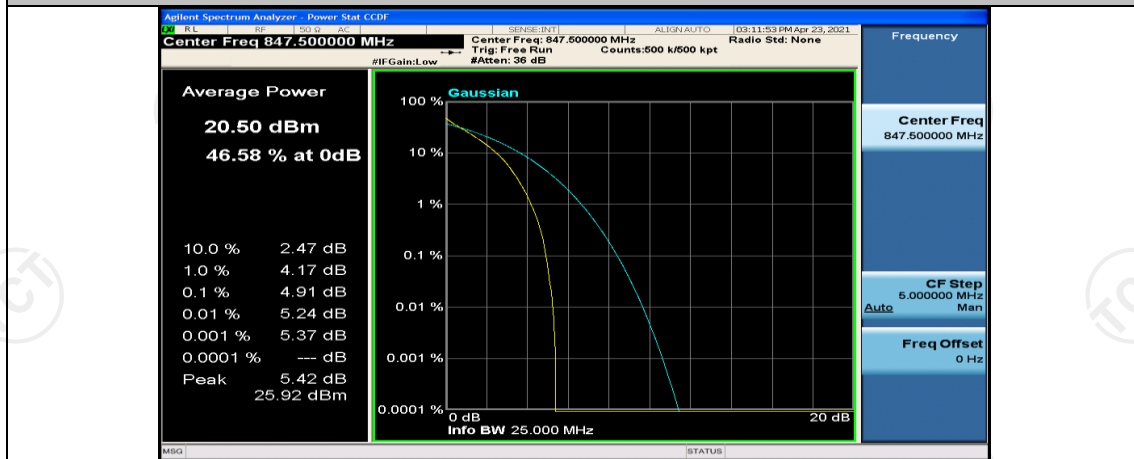
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



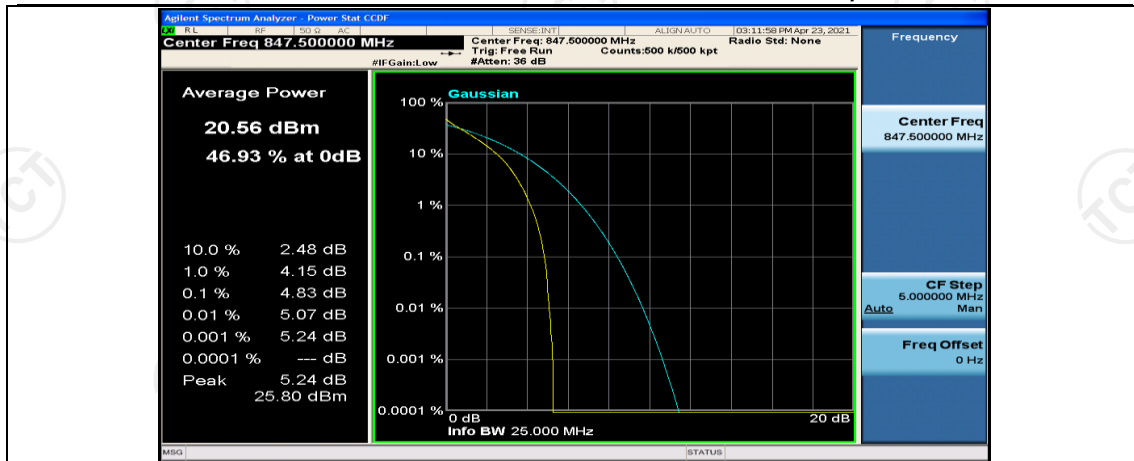
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



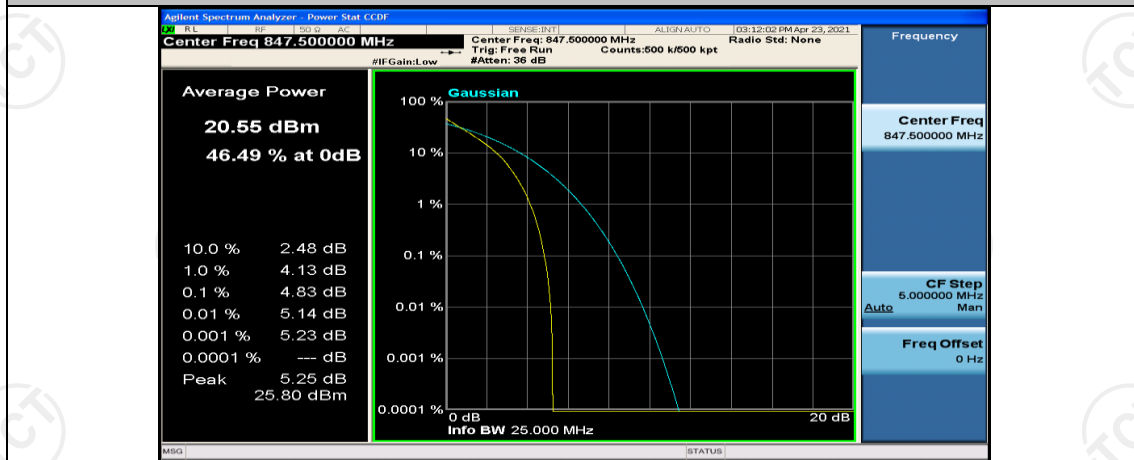
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



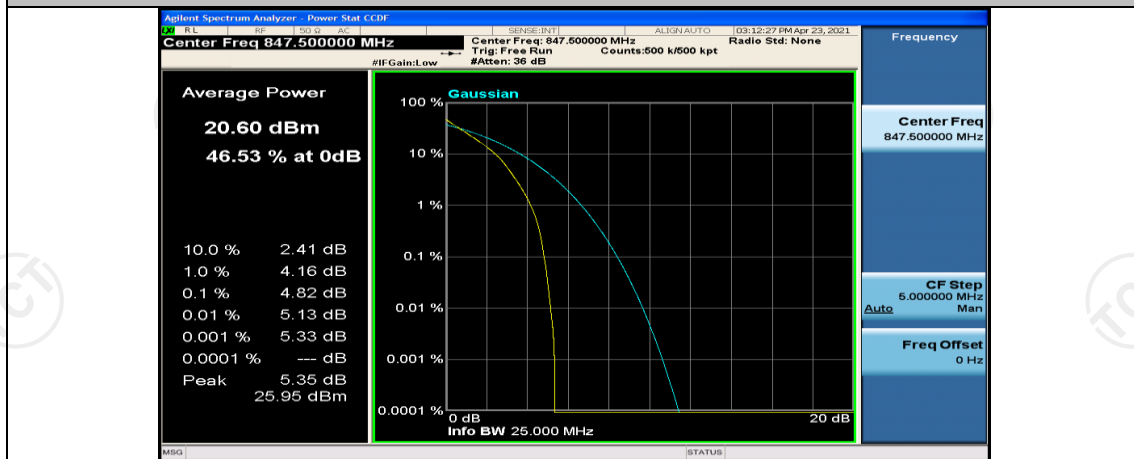
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



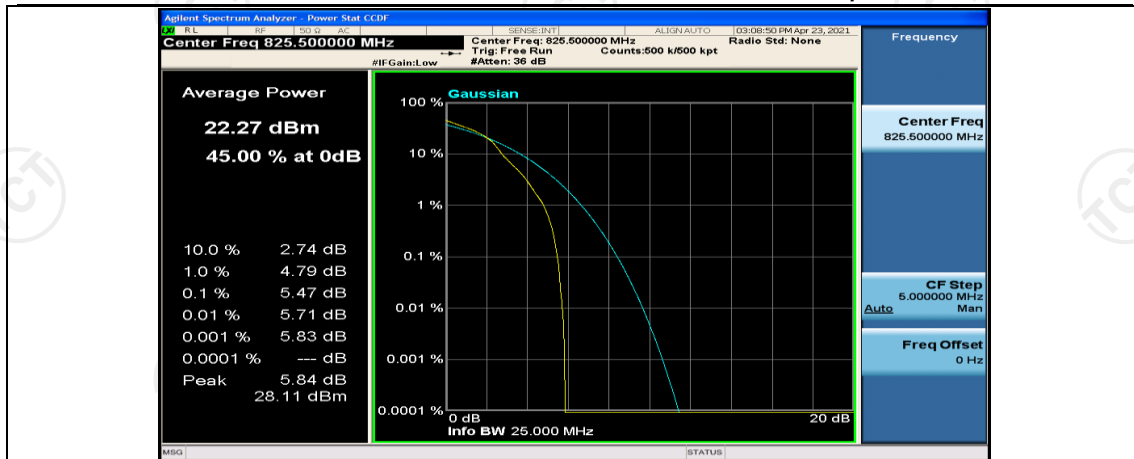
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



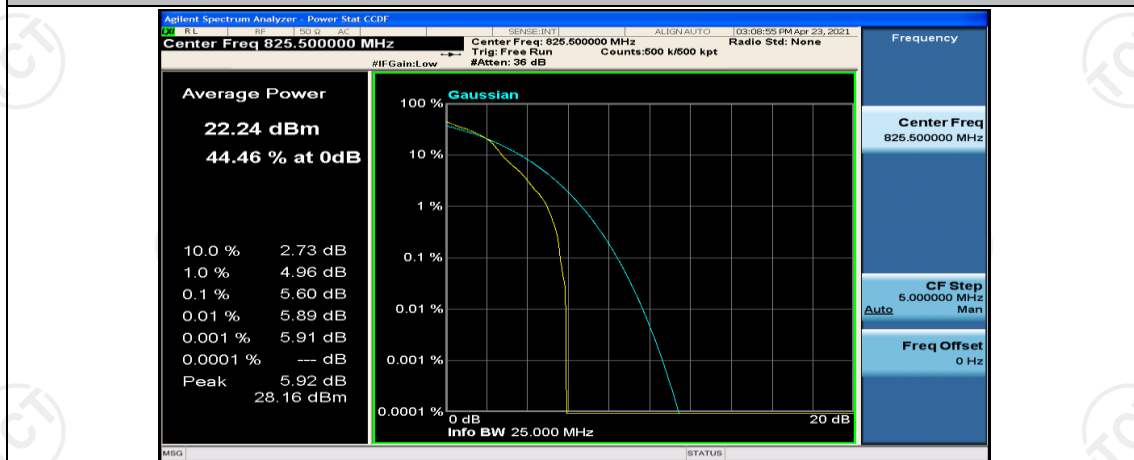
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



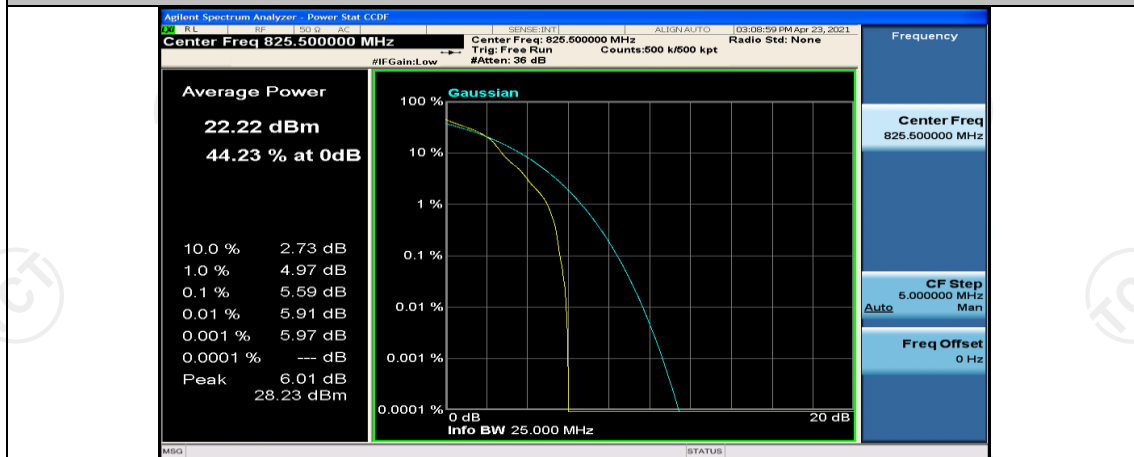
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



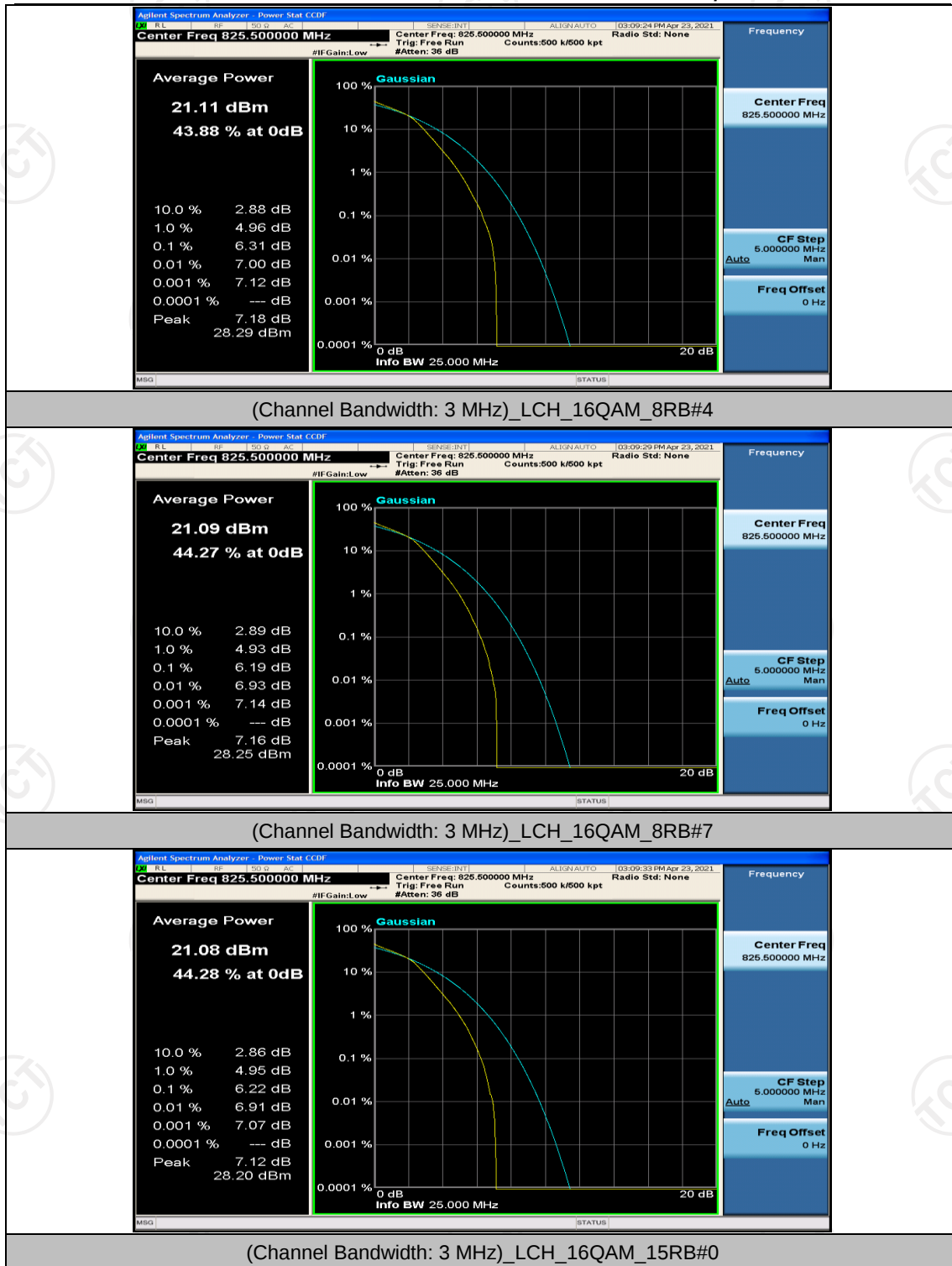
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

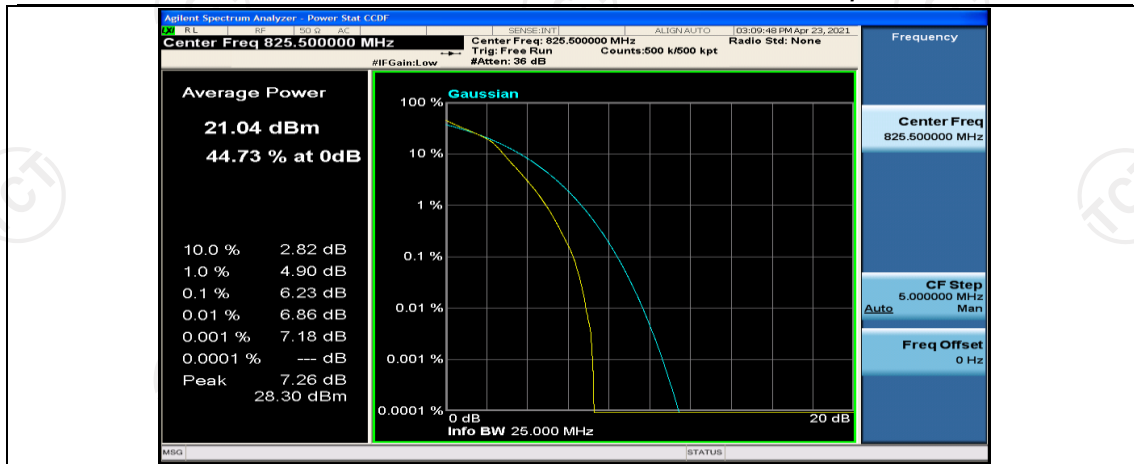


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

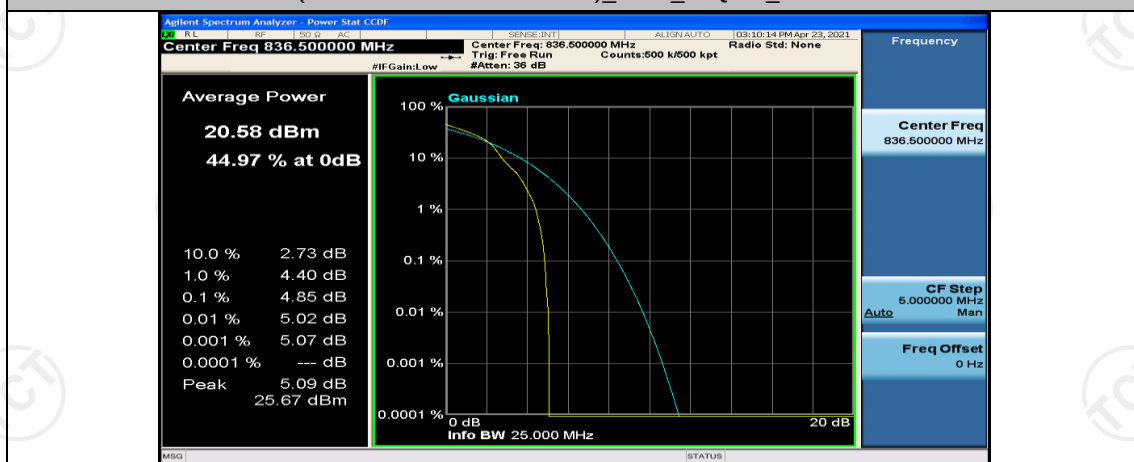


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

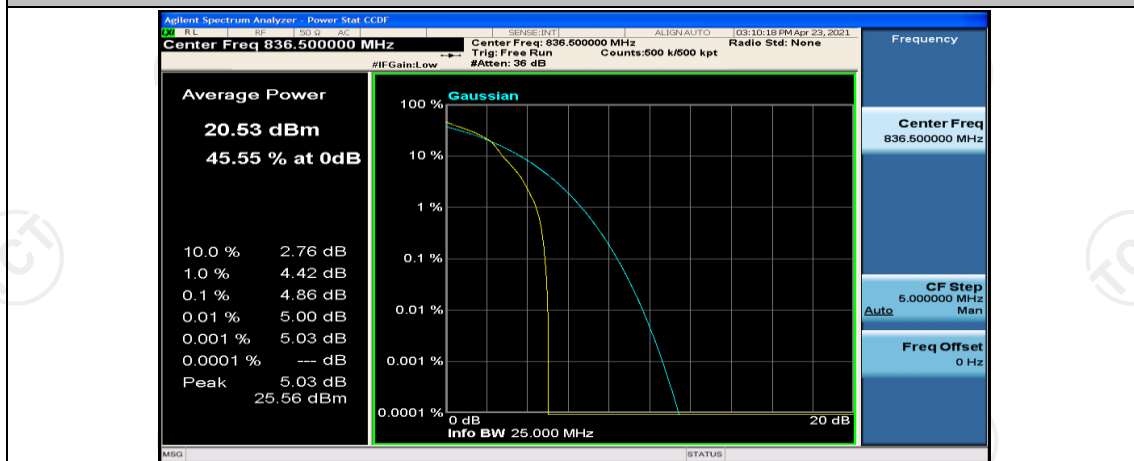




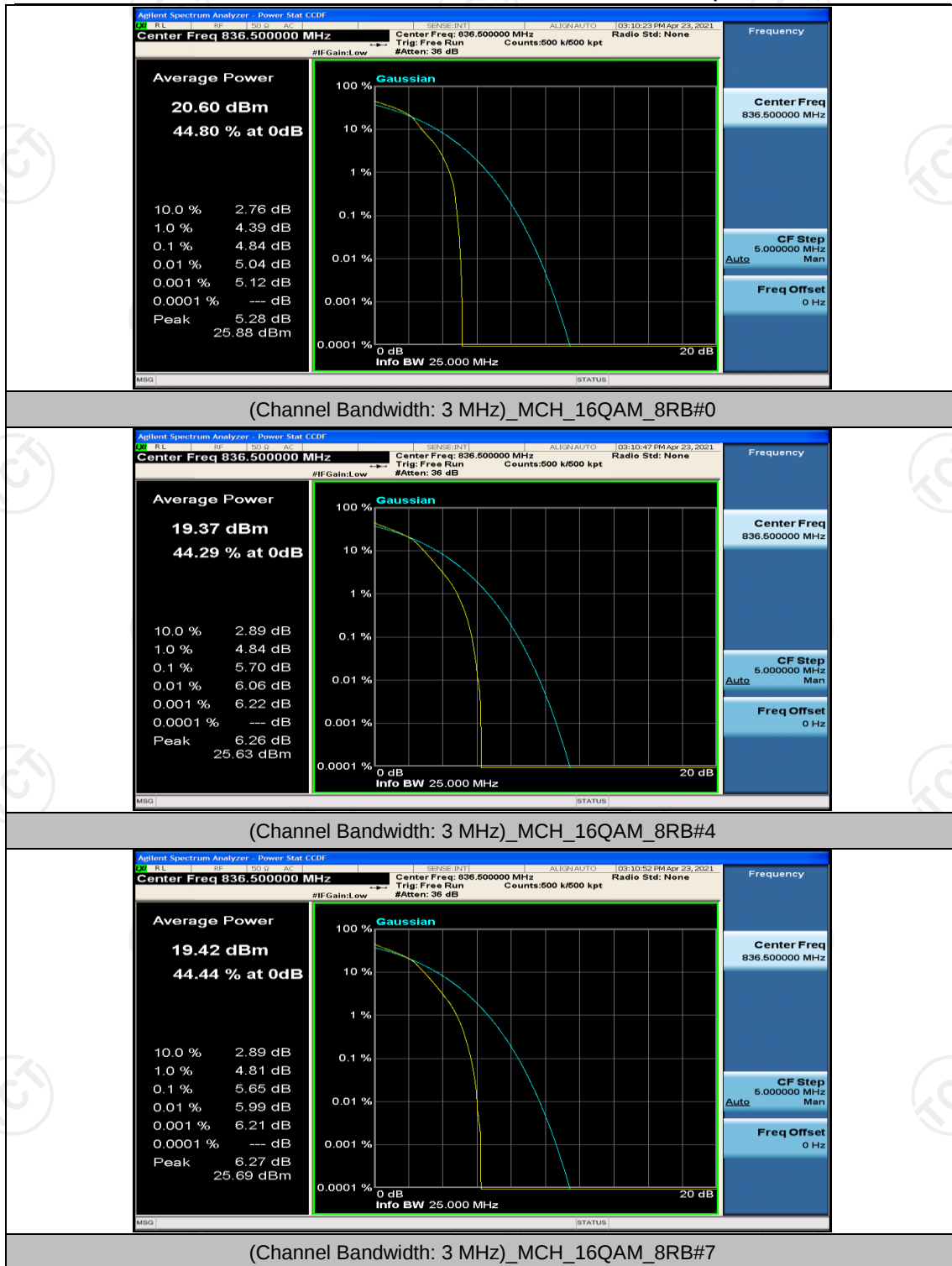
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

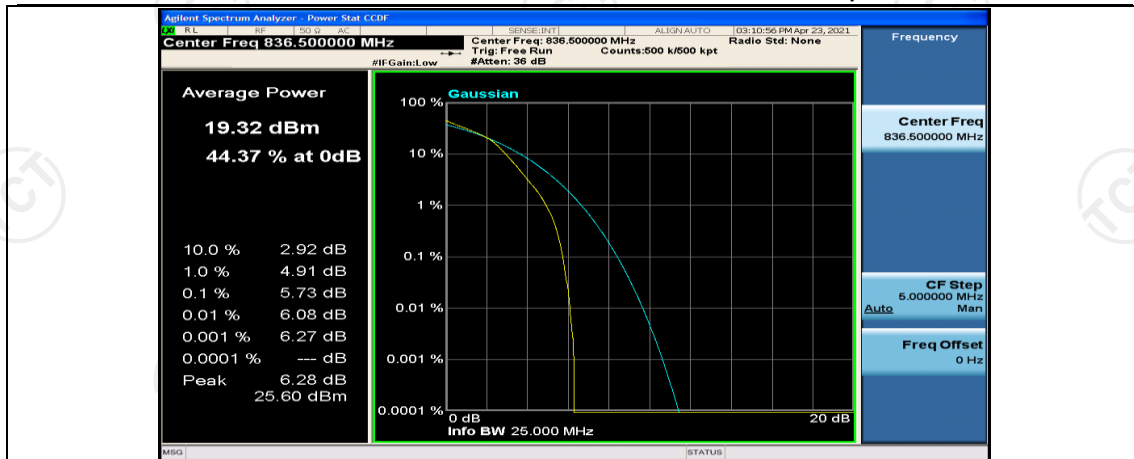


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

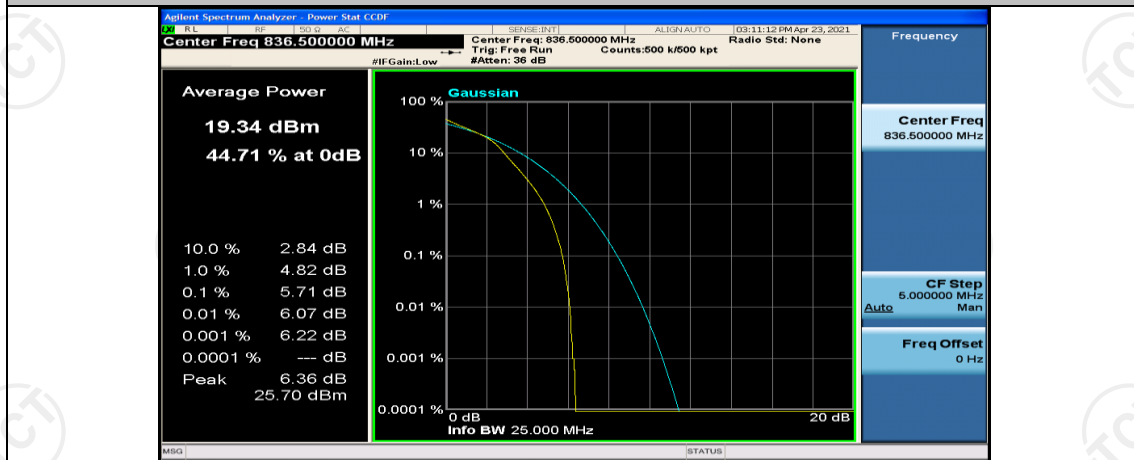


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

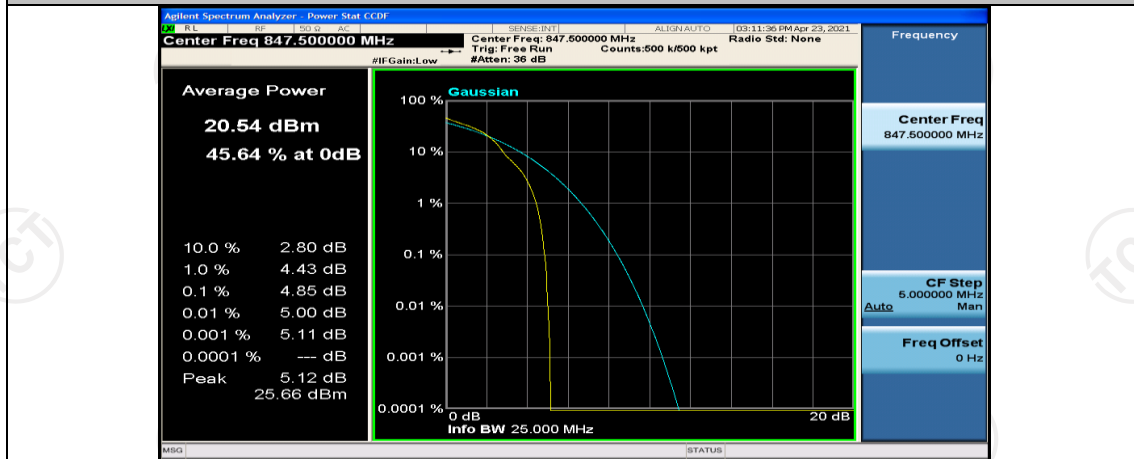




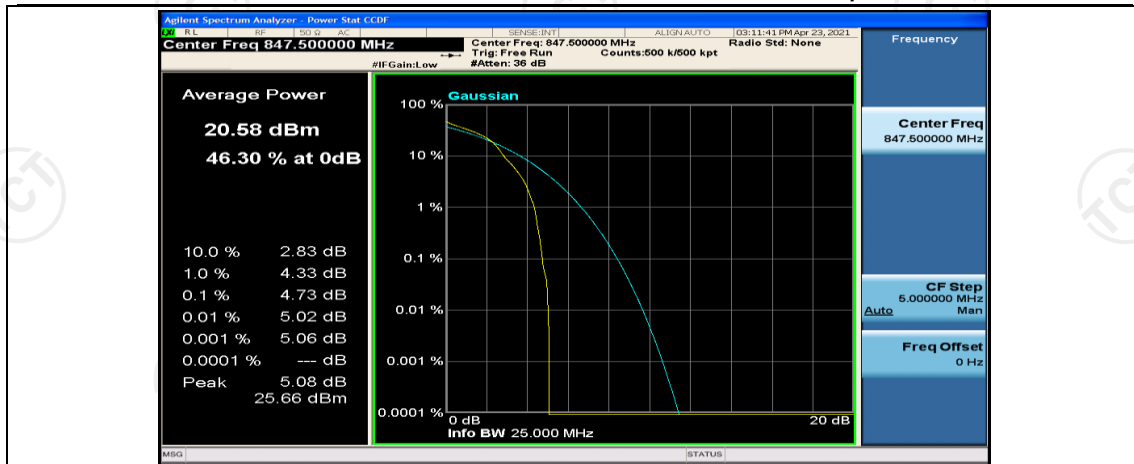
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



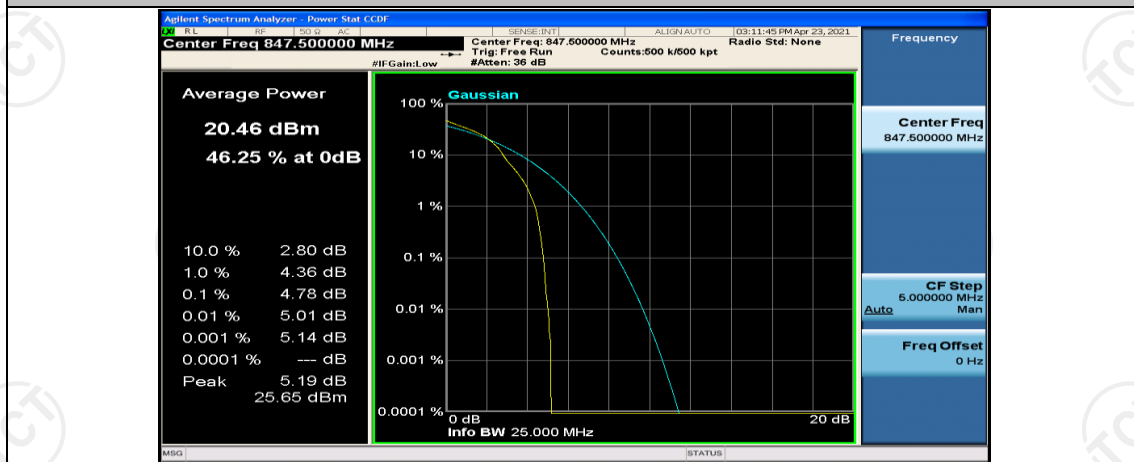
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



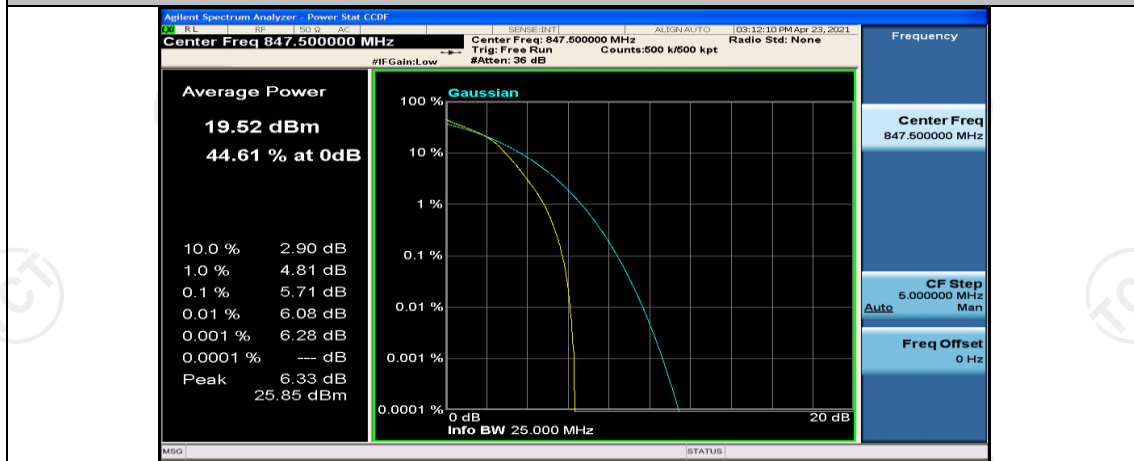
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



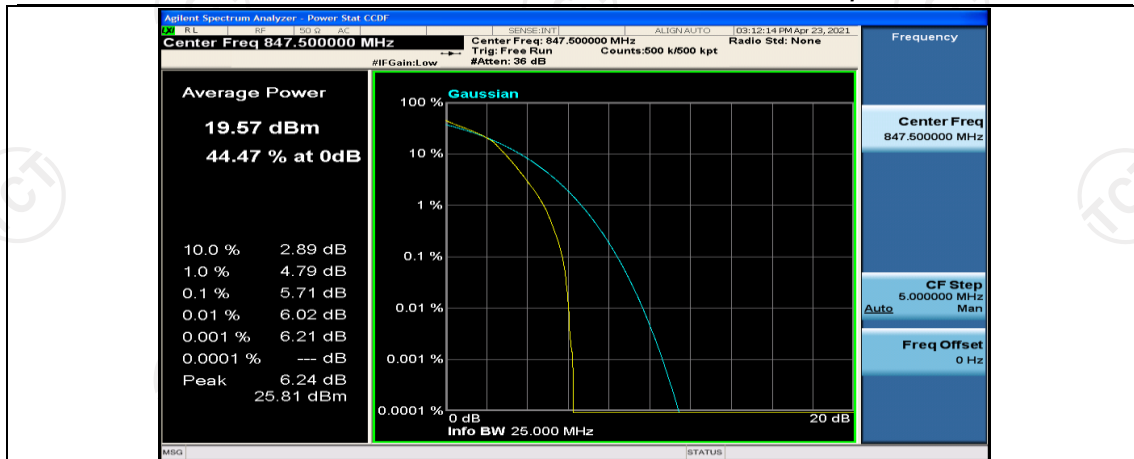
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



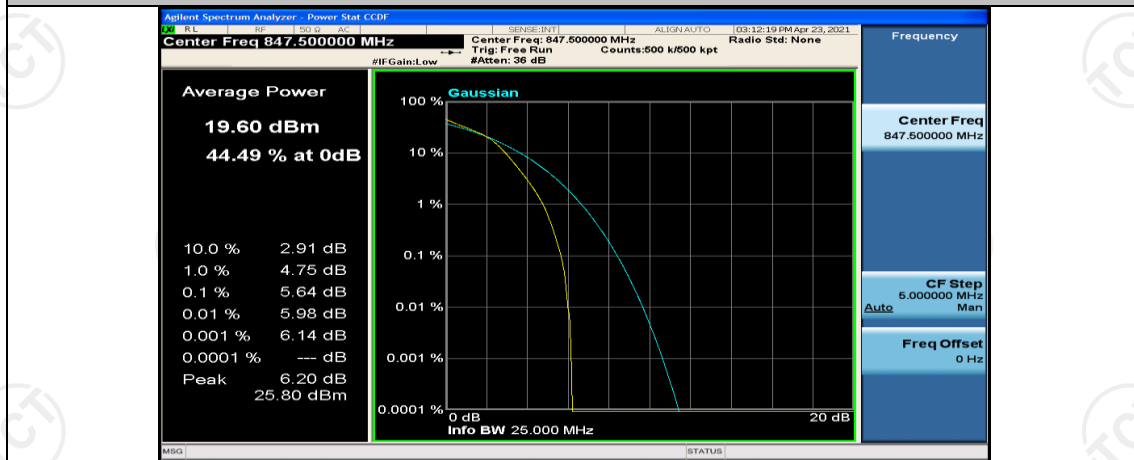
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



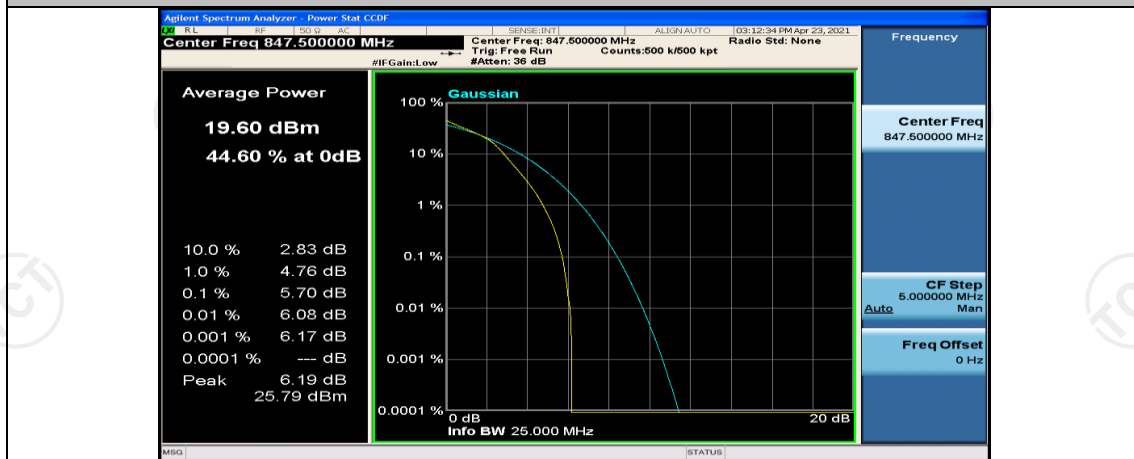
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

