

Appendix for Band 5

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.3	PASS
		1	3	23.25	PASS
		1	5	23.26	PASS
		3	0	22.32	PASS
		3	2	22.28	PASS
		3	3	22.29	PASS
		6	0	22.34	PASS
	MCH	1	0	23.27	PASS
		1	3	23.25	PASS
		1	5	23.27	PASS
		3	0	22.32	PASS
		3	2	22.24	PASS
		3	3	22.3	PASS
		6	0	22.28	PASS
	HCH	1	0	23.45	PASS
		1	3	23.41	PASS
		1	5	23.41	PASS
		3	0	22.44	PASS
		3	2	22.42	PASS
		3	3	22.4	PASS
		6	0	22.5	PASS
16QAM	LCH	1	0	22.44	PASS
		1	3	22.49	PASS
		1	5	22.44	PASS
		3	0	22.43	PASS
		3	2	22.35	PASS
		3	3	22.36	PASS
		6	0	21.26	PASS
	MCH	1	0	22.61	PASS
		1	3	22.63	PASS
		1	5	22.61	PASS

		3	0	22.28	PASS
		3	2	22.25	PASS
		3	3	22.28	PASS
		6	0	21.22	PASS
	HCH	1	0	22.57	PASS
		1	3	22.62	PASS
		1	5	22.56	PASS
		3	0	22.54	PASS
		3	2	22.47	PASS
		3	3	22.47	PASS
		6	0	21.4	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.25	PASS
		1	7	23.26	PASS
		1	14	23.22	PASS
		8	0	22.36	PASS
		8	4	22.35	PASS
		8	7	22.35	PASS
		15	0	22.34	PASS
	MCH	1	0	23.27	PASS
		1	7	23.3	PASS
		1	14	23.29	PASS
		8	0	22.35	PASS
		8	4	22.34	PASS
		8	7	22.37	PASS
		15	0	22.33	PASS
	HCH	1	0	23.36	PASS
		1	7	23.4	PASS
		1	14	23.33	PASS
		8	0	22.52	PASS
		8	4	22.5	PASS
		8	7	22.47	PASS
		15	0	22.47	PASS
16QAM	LCH	1	0	22.46	PASS
		1	7	22.48	PASS
		1	14	22.43	PASS
		8	0	21.39	PASS
		8	4	21.39	PASS
		8	7	21.36	PASS

	MCH	15	0	21.28	PASS
		1	0	22.6	PASS
		1	7	22.62	PASS
		1	14	22.63	PASS
		8	0	21.32	PASS
		8	4	21.3	PASS
		8	7	21.33	PASS
		15	0	21.31	PASS
	HCH	1	0	22.61	PASS
		1	7	22.63	PASS
		1	14	22.56	PASS
		8	0	21.54	PASS
		8	4	21.54	PASS
		8	7	21.48	PASS
		15	0	21.4	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.44	PASS
		1	12	23.4	PASS
		1	24	23.46	PASS
		12	0	22.4	PASS
		12	6	22.39	PASS
		12	13	22.41	PASS
		25	0	22.36	PASS
	MCH	1	0	23.61	PASS
		1	12	23.2	PASS
		1	24	23.35	PASS
		12	0	22.38	PASS
		12	6	22.39	PASS
		12	13	22.51	PASS
		25	0	22.34	PASS
	HCH	1	0	23.65	PASS
		1	12	23.42	PASS
		1	24	23.42	PASS
		12	0	22.56	PASS
		12	6	22.51	PASS
		12	13	22.48	PASS
		25	0	22.46	PASS
16QAM	LCH	1	0	22.6	PASS
		1	12	22.59	PASS

		1	24	22.57	PASS
		12	0	21.42	PASS
		12	6	21.39	PASS
		12	13	21.44	PASS
		25	0	21.34	PASS
	MCH	1	0	22.57	PASS
		1	12	22.59	PASS
		1	24	22.79	PASS
		12	0	21.7	PASS
		12	6	21.47	PASS
		12	13	21.49	PASS
		25	0	21.36	PASS
	HCH	1	0	22.79	PASS
		1	12	22.7	PASS
		1	24	22.61	PASS
		12	0	21.59	PASS
		12	6	21.54	PASS
		12	13	21.51	PASS
		25	0	21.45	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.27	PASS
		1	24	23.24	PASS
		1	49	23.22	PASS
		25	0	22.28	PASS
		25	12	22.28	PASS
		25	25	22.27	PASS
		50	0	22.28	PASS
	MCH	1	0	23.4	PASS
		1	24	23.43	PASS
		1	49	23.34	PASS
		25	0	22.46	PASS
		25	12	22.49	PASS
		25	25	22.59	PASS
		50	0	22.47	PASS
	HCH	1	0	23.67	PASS
		1	24	23.28	PASS
		1	49	23.39	PASS
		25	0	22.61	PASS
		25	12	22.73	PASS

		25	25	22.36	PASS
		50	0	22.73	PASS
16QAM	LCH	1	0	22.5	PASS
		1	24	22.49	PASS
		1	49	22.47	PASS
		25	0	21.27	PASS
		25	12	21.27	PASS
		25	25	21.17	PASS
		50	0	21.17	PASS
		MCH	1	0	22.64
	1		24	22.65	PASS
	1		49	22.77	PASS
	25		0	21.34	PASS
	25		12	21.35	PASS
	25		25	21.38	PASS
	50		0	21.36	PASS
	HCH	1	0	22.65	PASS
		1	24	22.67	PASS
		1	49	22.59	PASS
		25	0	21.48	PASS
		25	12	21.49	PASS
		25	25	21.45	PASS
		50	0	21.74	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	3.72	<13	PASS
		1	3	3.97	<13	PASS
		1	5	3.91	<13	PASS
		3	0	3.8	<13	PASS
		3	2	3.87	<13	PASS
		3	3	3.87	<13	PASS
		6	0	4.73	<13	PASS
	MCH	1	0	3.88	<13	PASS
		1	3	3.97	<13	PASS
		1	5	3.95	<13	PASS
		3	0	4.09	<13	PASS
		3	2	4.09	<13	PASS
		3	3	4.1	<13	PASS
		6	0	4.9	<13	PASS
	HCH	1	0	3.8	<13	PASS
		1	3	3.83	<13	PASS
		1	5	3.66	<13	PASS
		3	0	3.7	<13	PASS
		3	2	3.79	<13	PASS
		3	3	3.71	<13	PASS
		6	0	4.55	<13	PASS
16QAM	LCH	1	0	4.68	<13	PASS
		1	3	4.8	<13	PASS
		1	5	4.72	<13	PASS
		3	0	4.79	<13	PASS
		3	2	4.84	<13	PASS
		3	3	4.91	<13	PASS
		6	0	5.59	<13	PASS
	MCH	1	0	4.92	<13	PASS
		1	3	4.95	<13	PASS
		1	5	5.03	<13	PASS
		3	0	5.01	<13	PASS

		3	2	5.05	<13	PASS
		3	3	5.06	<13	PASS
		6	0	5.84	<13	PASS
	HCH	1	0	4.76	<13	PASS
		1	3	4.71	<13	PASS
		1	5	4.69	<13	PASS
		3	0	4.81	<13	PASS
		3	2	4.8	<13	PASS
		3	3	4.74	<13	PASS
		6	0	5.49	<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	3.83	<13	PASS
		1	7	3.88	<13	PASS
		1	14	3.98	<13	PASS
		8	0	4.71	<13	PASS
		8	4	4.79	<13	PASS
		8	7	4.83	<13	PASS
		15	0	4.81	<13	PASS
	MCH	1	0	4.01	<13	PASS
		1	7	3.92	<13	PASS
		1	14	4.09	<13	PASS
		8	0	4.89	<13	PASS
		8	4	4.82	<13	PASS
		8	7	4.88	<13	PASS
		15	0	4.98	<13	PASS
	HCH	1	0	4.04	<13	PASS
		1	7	3.83	<13	PASS
		1	14	3.7	<13	PASS
		8	0	4.7	<13	PASS
		8	4	4.69	<13	PASS
		8	7	4.64	<13	PASS
		15	0	4.7	<13	PASS
16QAM	LCH	1	0	4.71	<13	PASS
		1	7	4.85	<13	PASS
		1	14	4.75	<13	PASS
		8	0	5.5	<13	PASS
		8	4	5.54	<13	PASS

		8	7	5.57	<13	PASS
		15	0	5.71	<13	PASS
	MCH	1	0	4.86	<13	PASS
		1	7	4.85	<13	PASS
		1	14	4.99	<13	PASS
		8	0	5.72	<13	PASS
		8	4	5.72	<13	PASS
		8	7	5.62	<13	PASS
		15	0	5.81	<13	PASS
		HCH	1	0	4.72	<13
	1		7	4.85	<13	PASS
	1		14	4.66	<13	PASS
	8		0	5.52	<13	PASS
	8		4	5.44	<13	PASS
	8		7	5.39	<13	PASS
	15		0	5.57	<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	3.86	<13	PASS
		1	12	4.04	<13	PASS
		1	24	4.08	<13	PASS
		12	0	4.75	<13	PASS
		12	6	4.79	<13	PASS
		12	13	4.85	<13	PASS
		25	0	4.9	<13	PASS
	MCH	1	0	3.97	<13	PASS
		1	12	4.07	<13	PASS
		1	24	4.2	<13	PASS
		12	0	4.86	<13	PASS
		12	6	4.83	<13	PASS
		12	13	4.91	<13	PASS
		25	0	4.97	<13	PASS
	HCH	1	0	4.18	<13	PASS
		1	12	3.96	<13	PASS
		1	24	3.87	<13	PASS
		12	0	4.82	<13	PASS
		12	6	4.77	<13	PASS
		12	13	4.67	<13	PASS

		25	0	4.83	<13	PASS
16QAM	LCH	1	0	4.65	<13	PASS
		1	12	4.81	<13	PASS
		1	24	4.86	<13	PASS
		12	0	5.63	<13	PASS
		12	6	5.73	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.68	<13	PASS
	MCH	1	0	4.98	<13	PASS
		1	12	5.04	<13	PASS
		1	24	5.13	<13	PASS
		12	0	5.64	<13	PASS
		12	6	5.66	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.81	<13	PASS
	HCH	1	0	4.88	<13	PASS
		1	12	4.69	<13	PASS
		1	24	4.6	<13	PASS
		12	0	5.73	<13	PASS
		12	6	5.66	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.64	<13	PASS

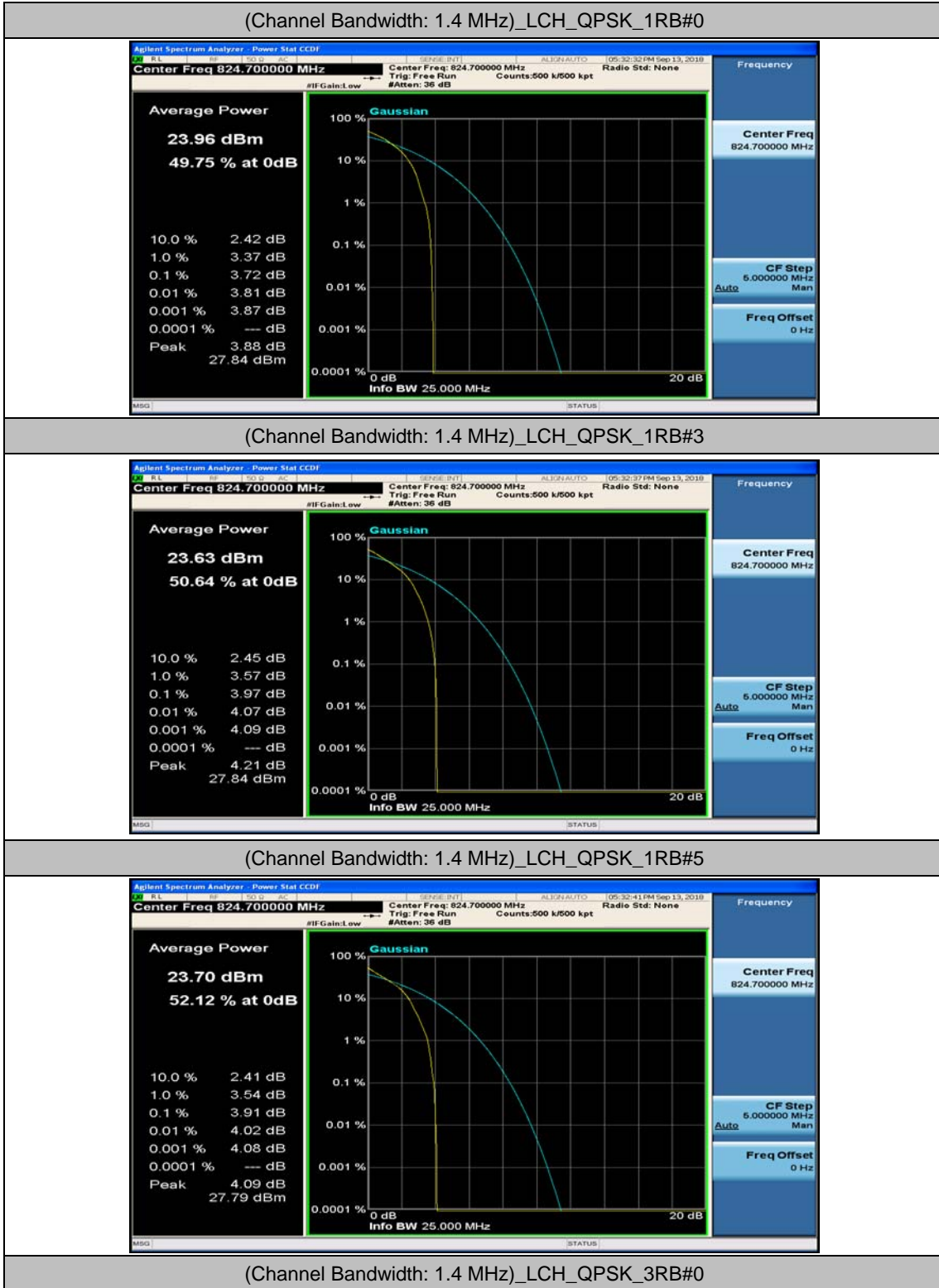
Channel Bandwidth: 10 MHz

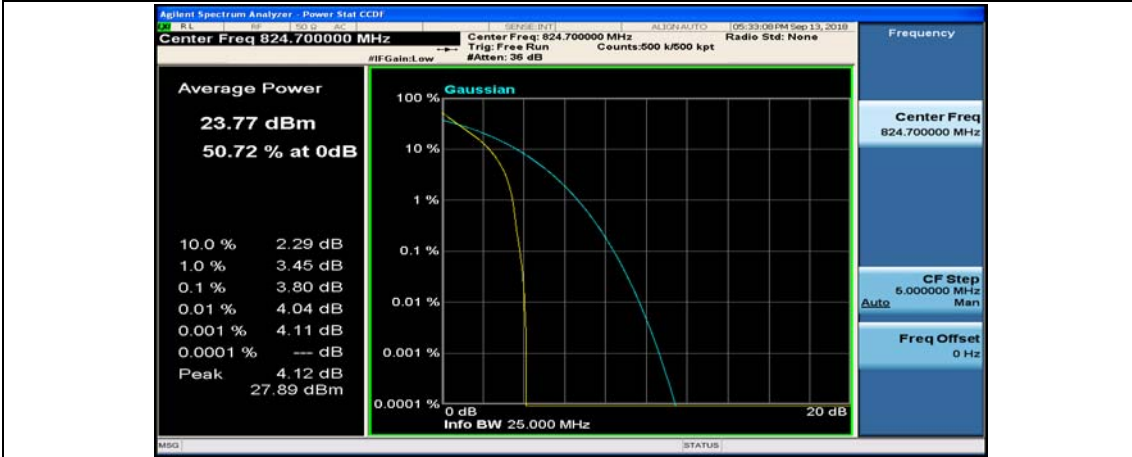
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.78	<13	PASS
		1	24	3.93	<13	PASS
		1	49	3.99	<13	PASS
		25	0	4.88	<13	PASS
		25	12	4.88	<13	PASS
		25	25	4.91	<13	PASS
		50	0	4.96	<13	PASS
	MCH	1	0	3.85	<13	PASS
		1	24	3.89	<13	PASS
		1	49	3.94	<13	PASS
		25	0	4.93	<13	PASS
		25	12	4.97	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.08	<13	PASS

	HCH	1	0	4.1	<13	PASS
		1	24	3.99	<13	PASS
		1	49	3.69	<13	PASS
		25	0	5.34	<13	PASS
		25	12	5.18	<13	PASS
		25	25	4.76	<13	PASS
		50	0	5.02	<13	PASS
16QAM	LCH	1	0	4.64	<13	PASS
		1	24	4.82	<13	PASS
		1	49	4.82	<13	PASS
		25	0	5.67	<13	PASS
		25	12	5.71	<13	PASS
		25	25	5.74	<13	PASS
		50	0	5.76	<13	PASS
	MCH	1	0	4.82	<13	PASS
		1	24	4.83	<13	PASS
		1	49	4.91	<13	PASS
		25	0	5.75	<13	PASS
		25	12	5.84	<13	PASS
		25	25	5.93	<13	PASS
		50	0	5.85	<13	PASS
	HCH	1	0	4.99	<13	PASS
		1	24	5.01	<13	PASS
		1	49	4.56	<13	PASS
		25	0	5.94	<13	PASS
		25	12	6.09	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.8	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz





(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



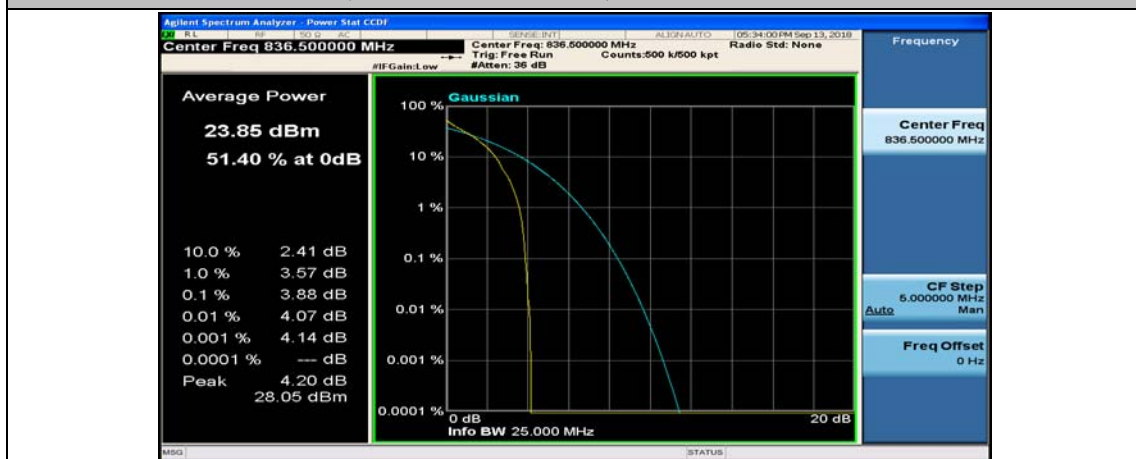
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



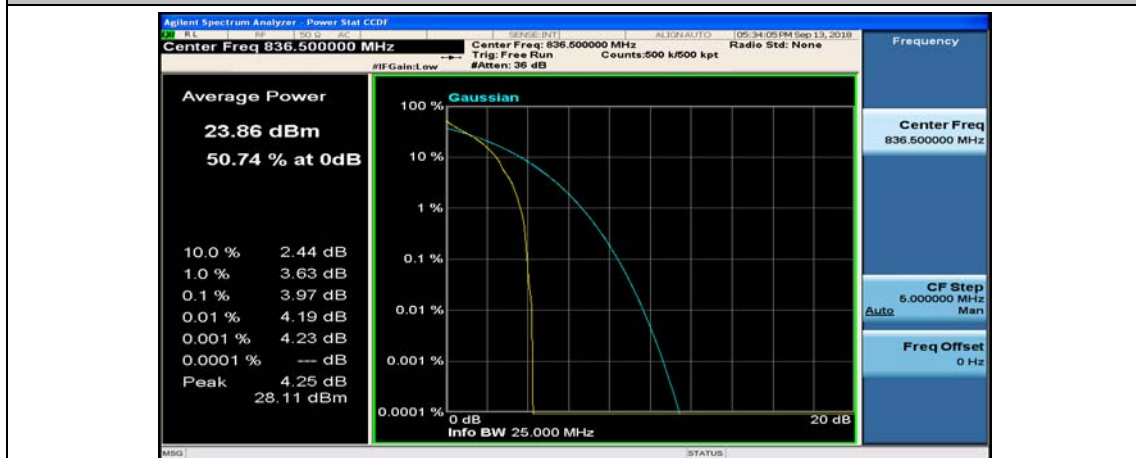
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



(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_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



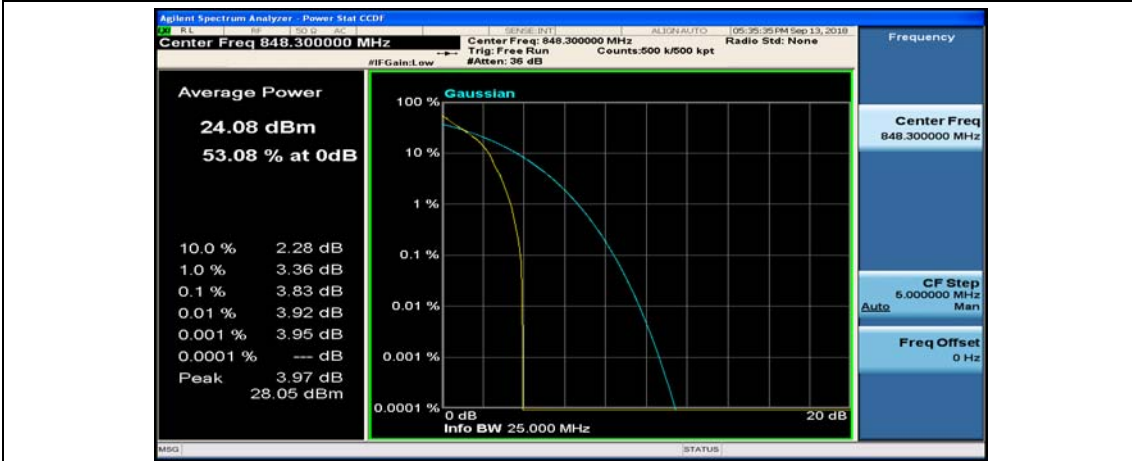
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



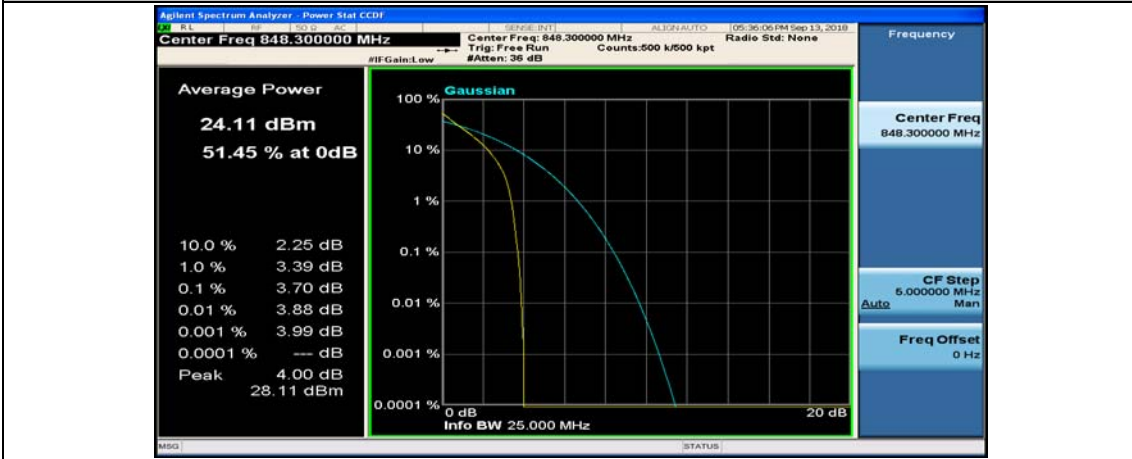
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



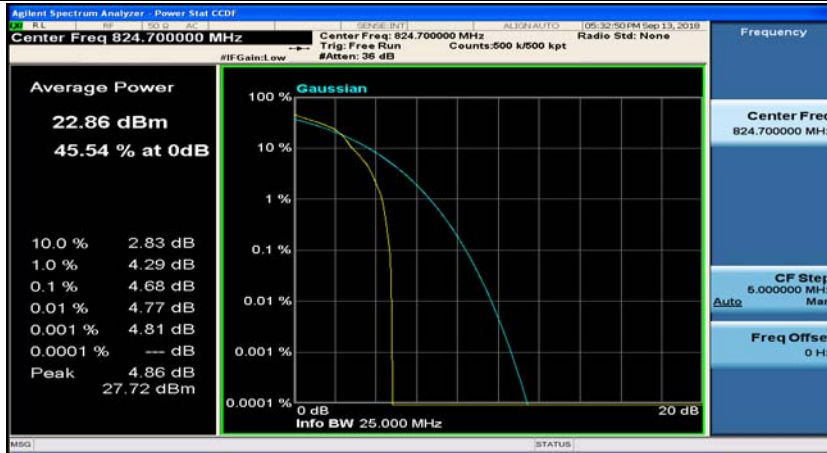
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



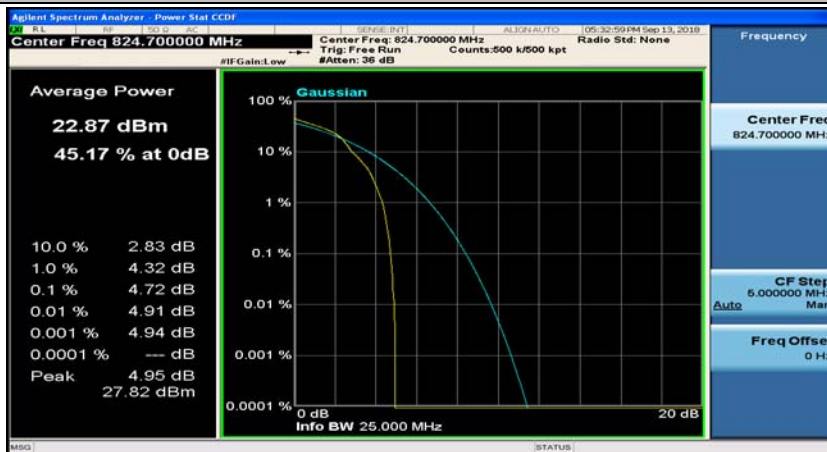
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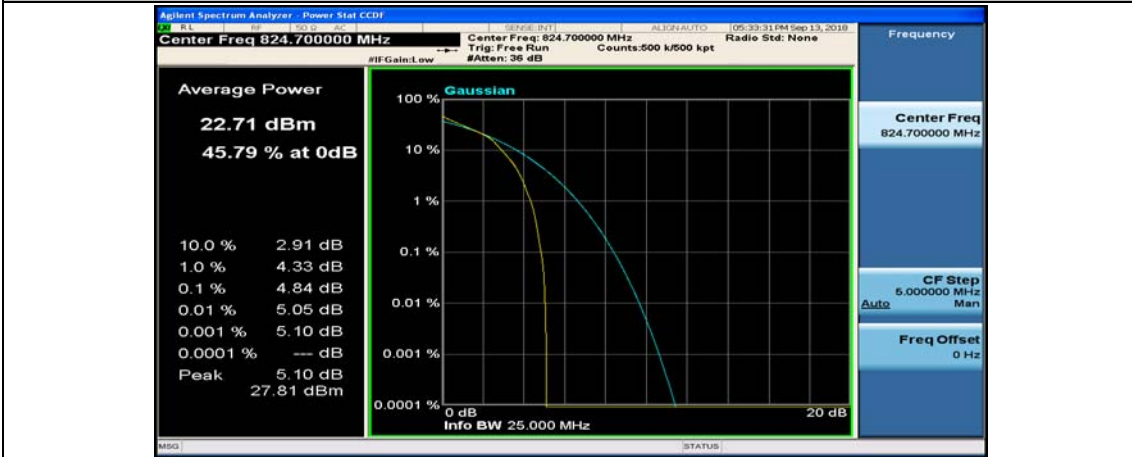
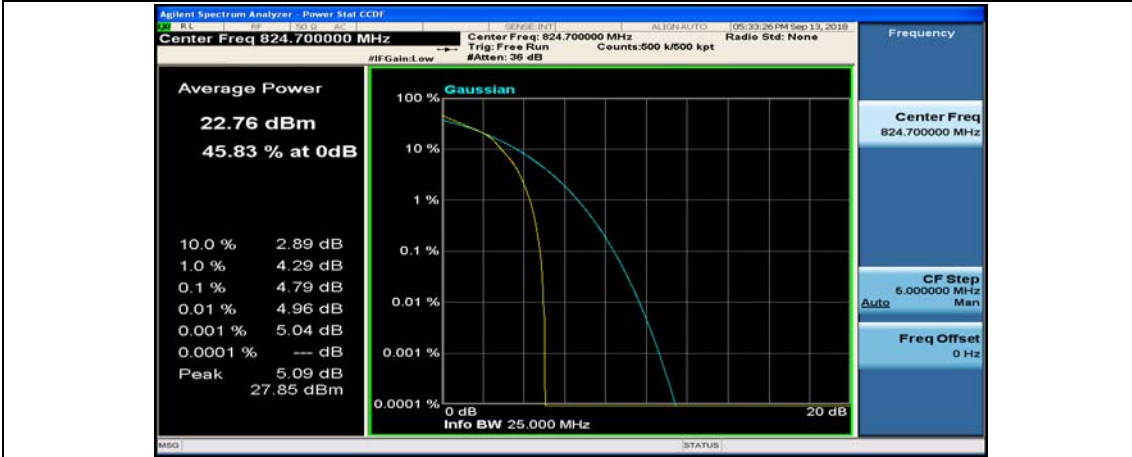
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(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

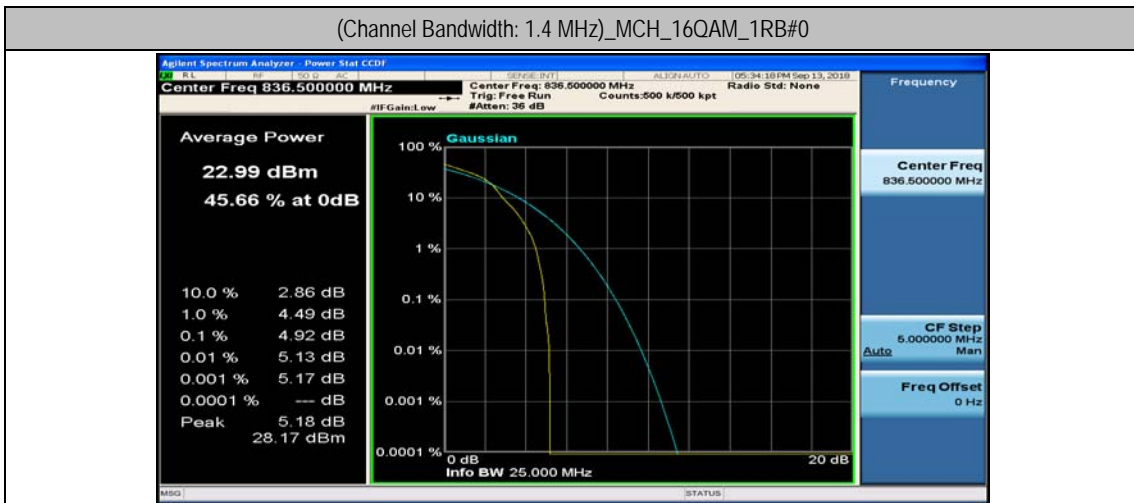


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

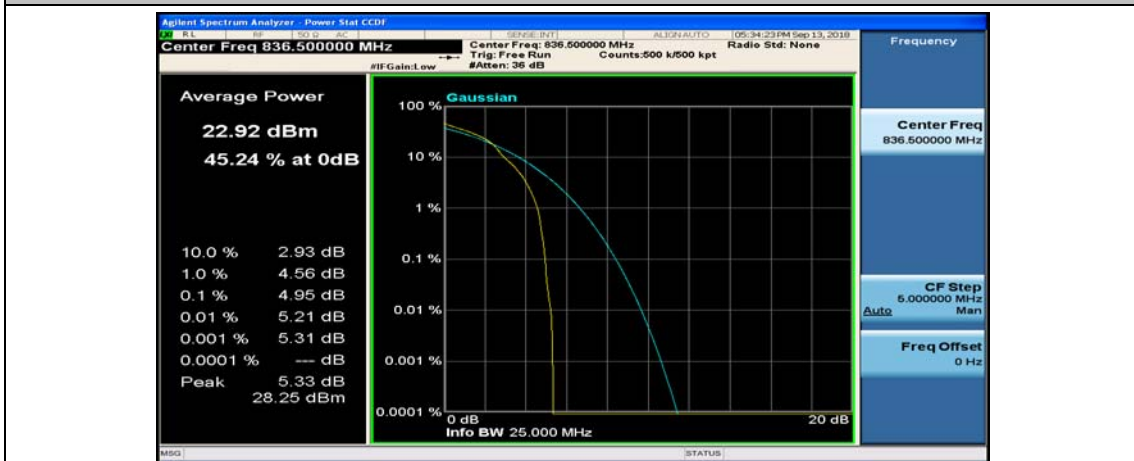




(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(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_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



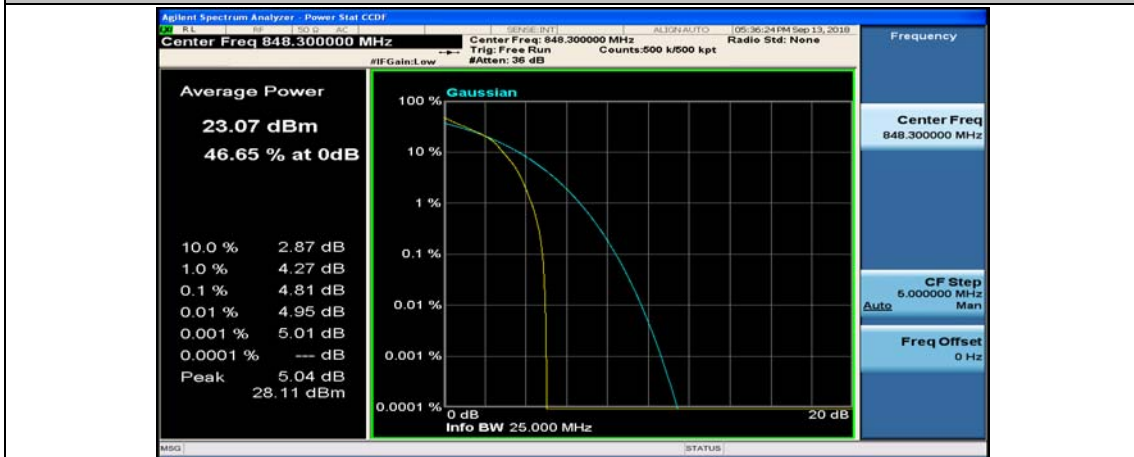
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(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



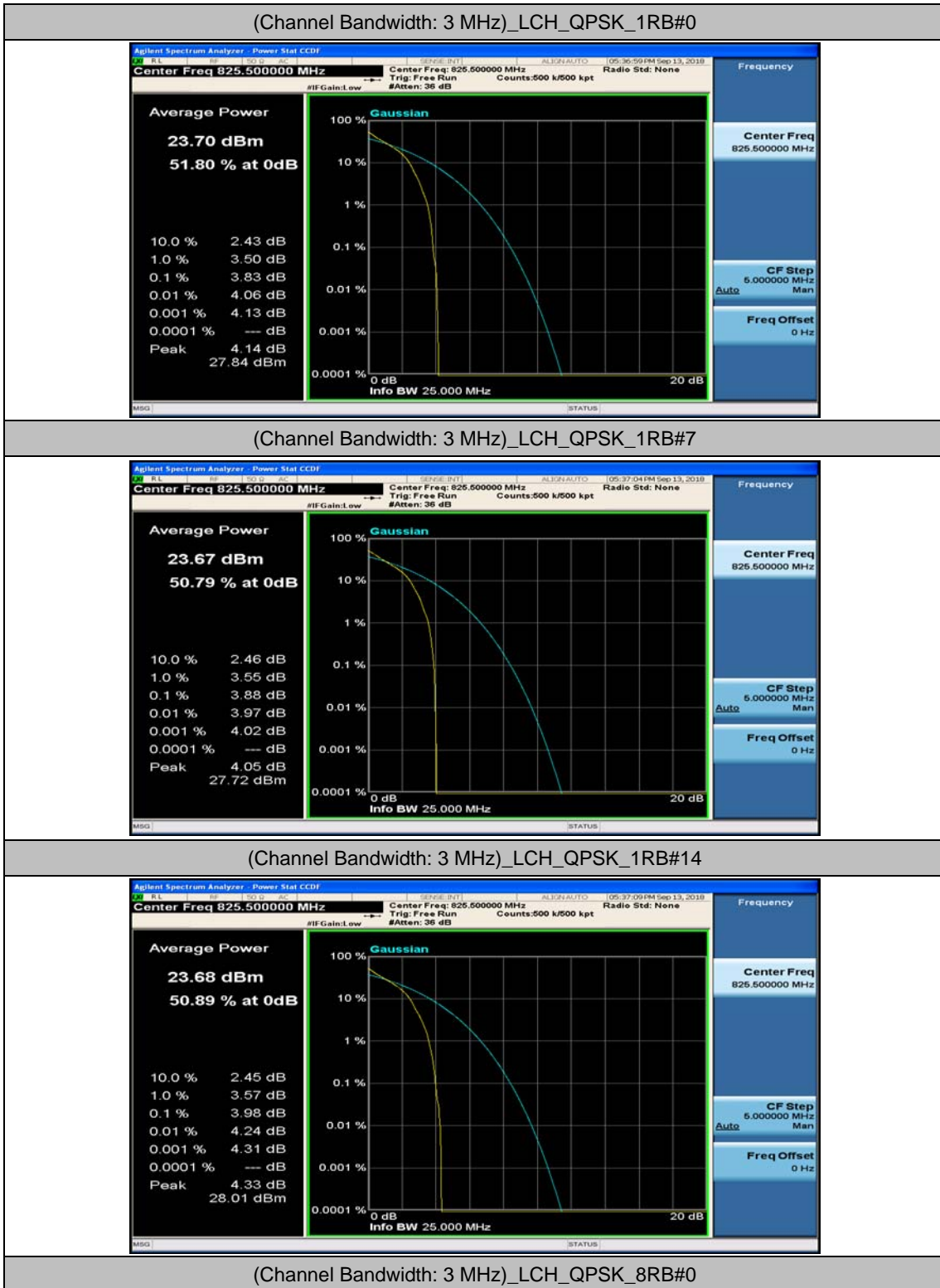
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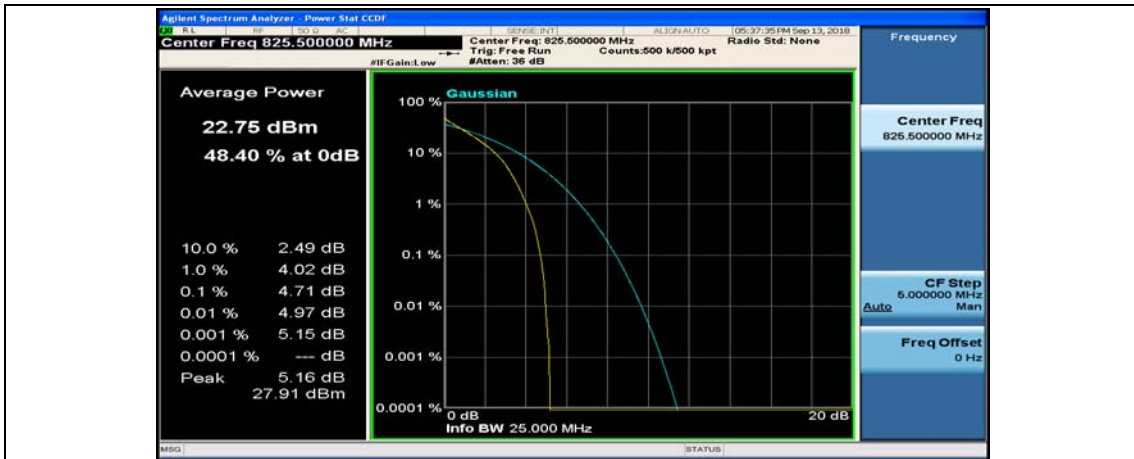


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

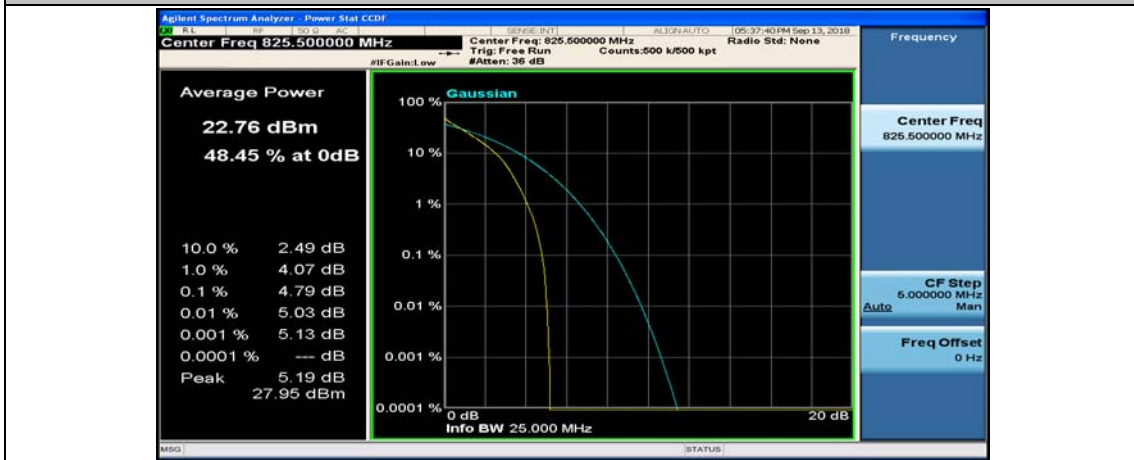


Channel Bandwidth: 3 MHz





(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



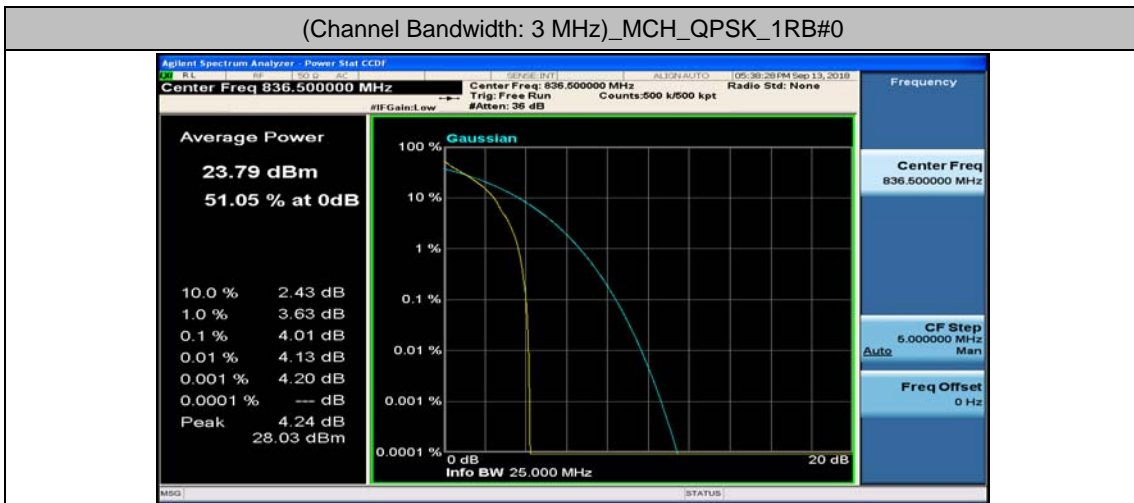
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#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



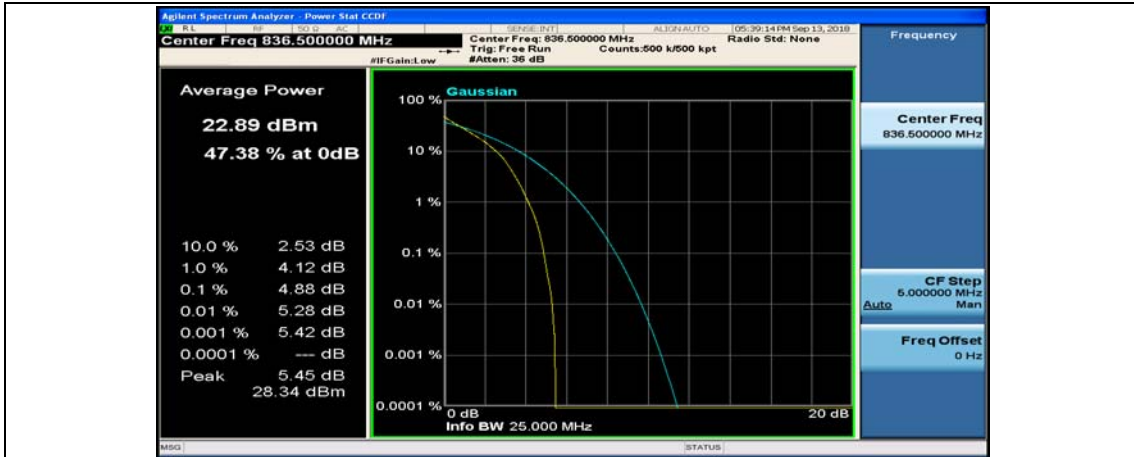
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



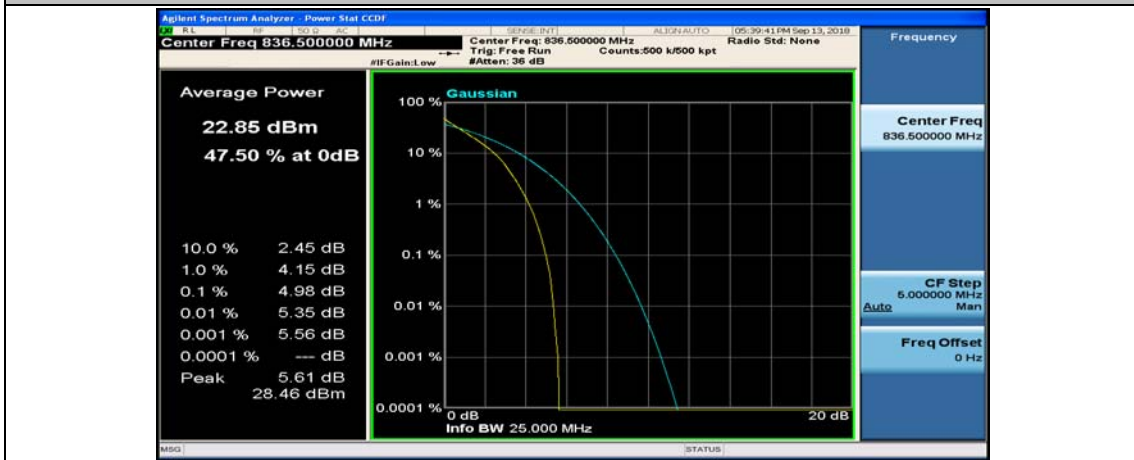
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



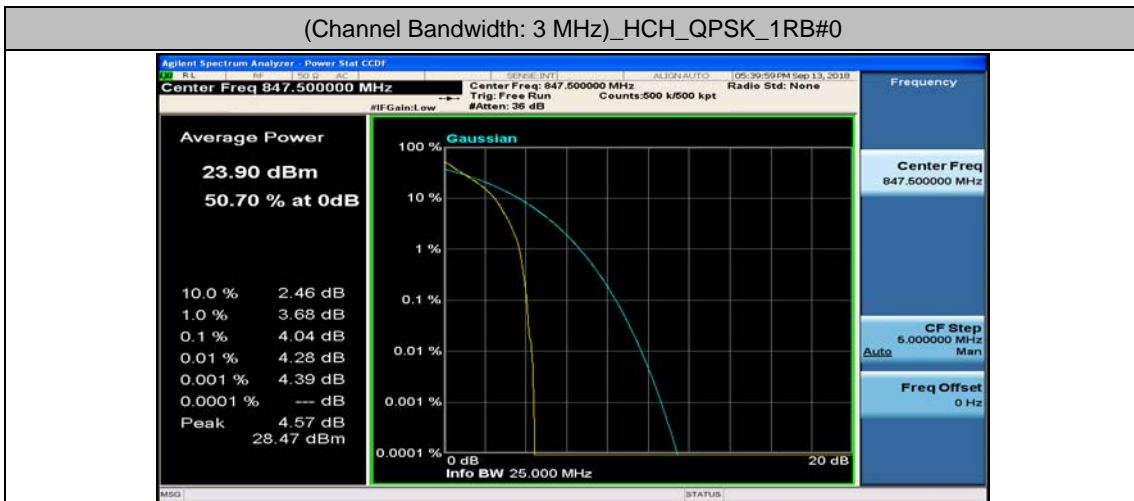
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



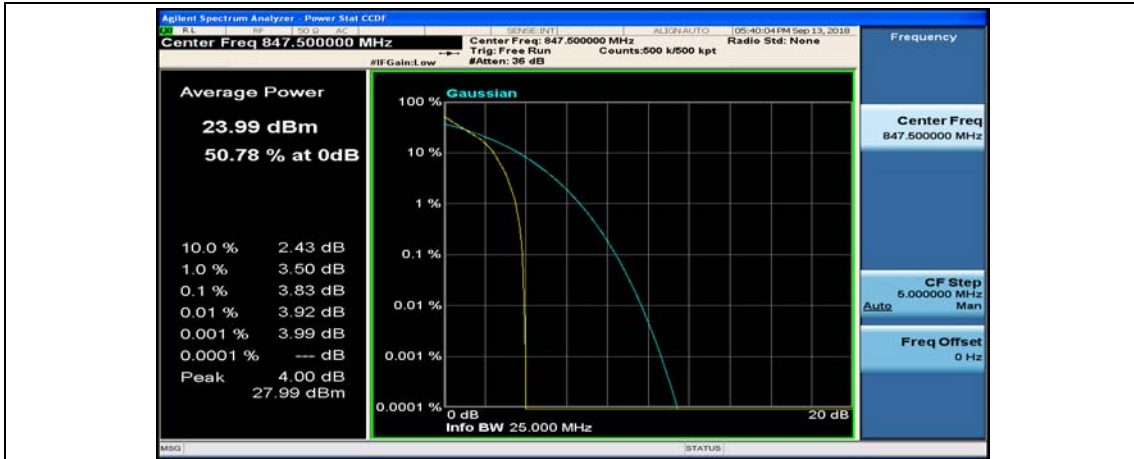
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



(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



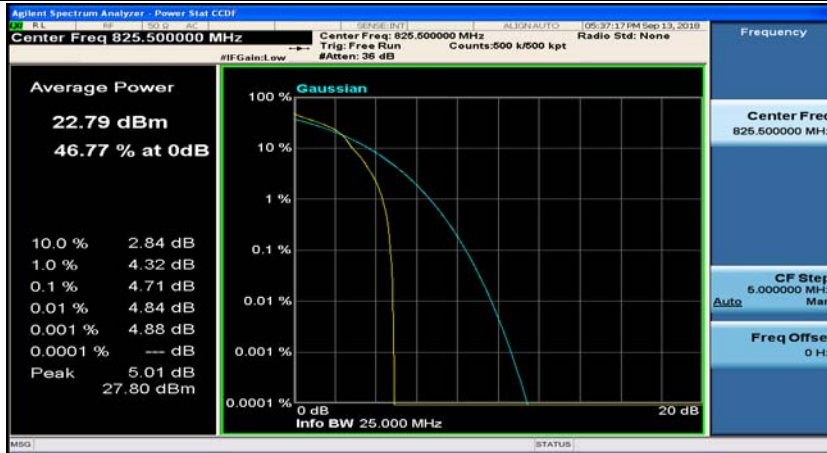
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



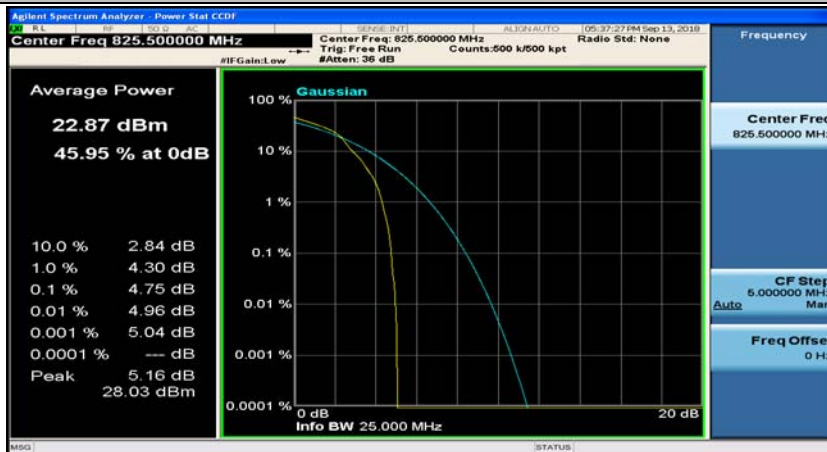
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



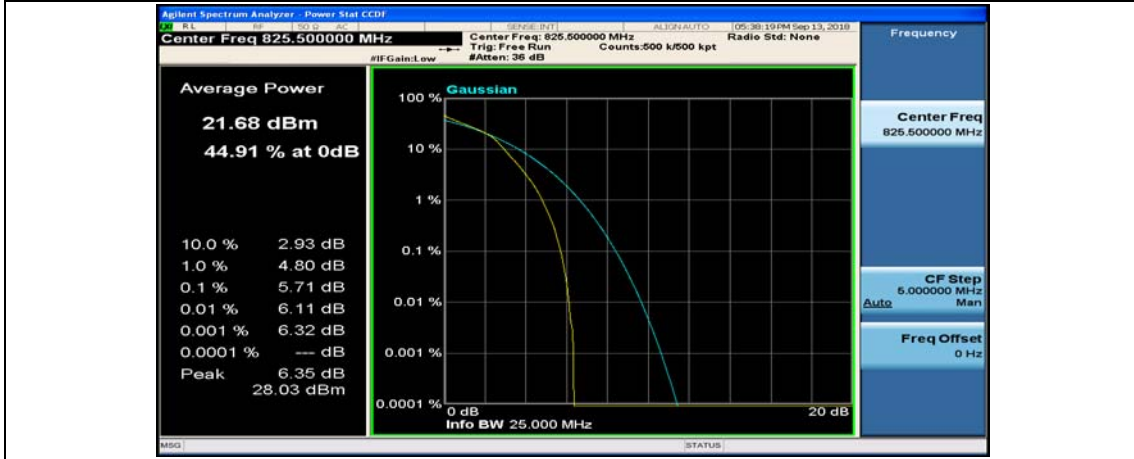
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



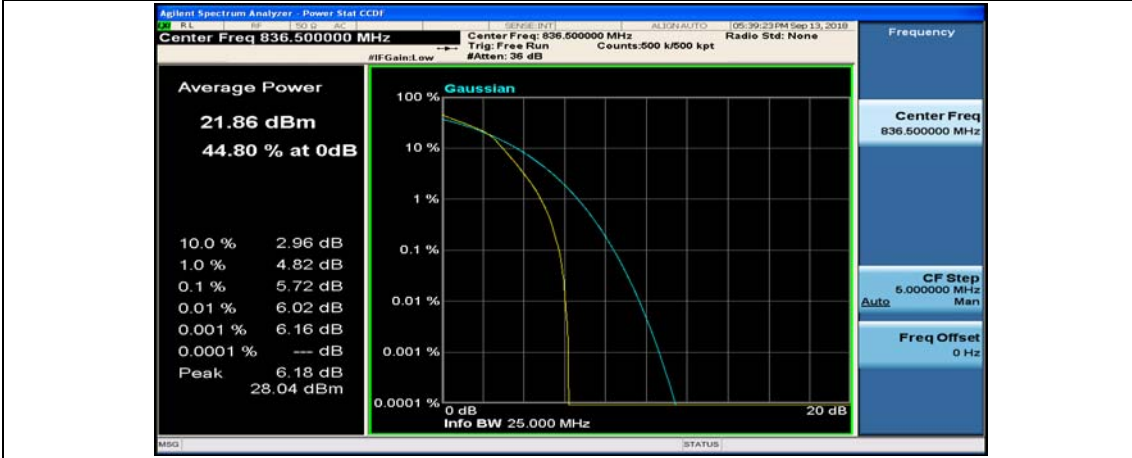
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



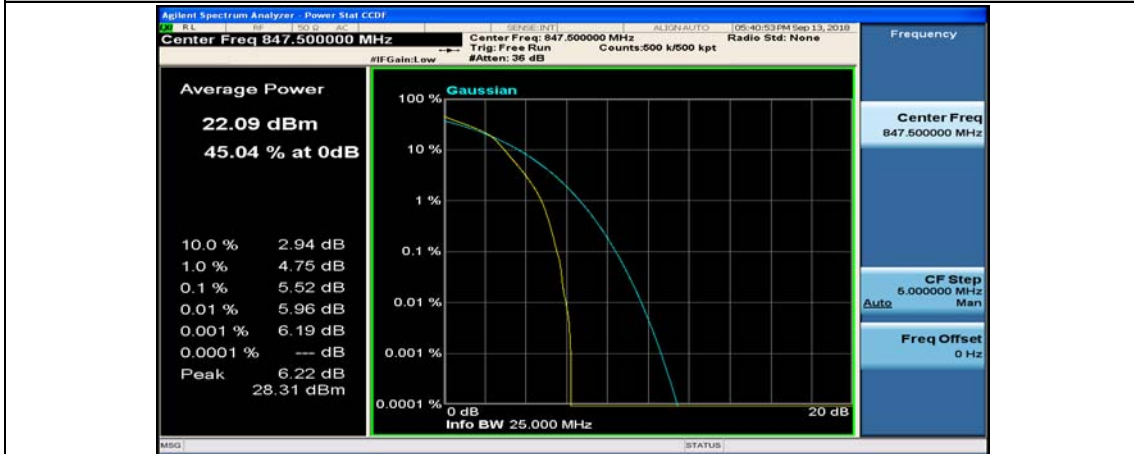
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



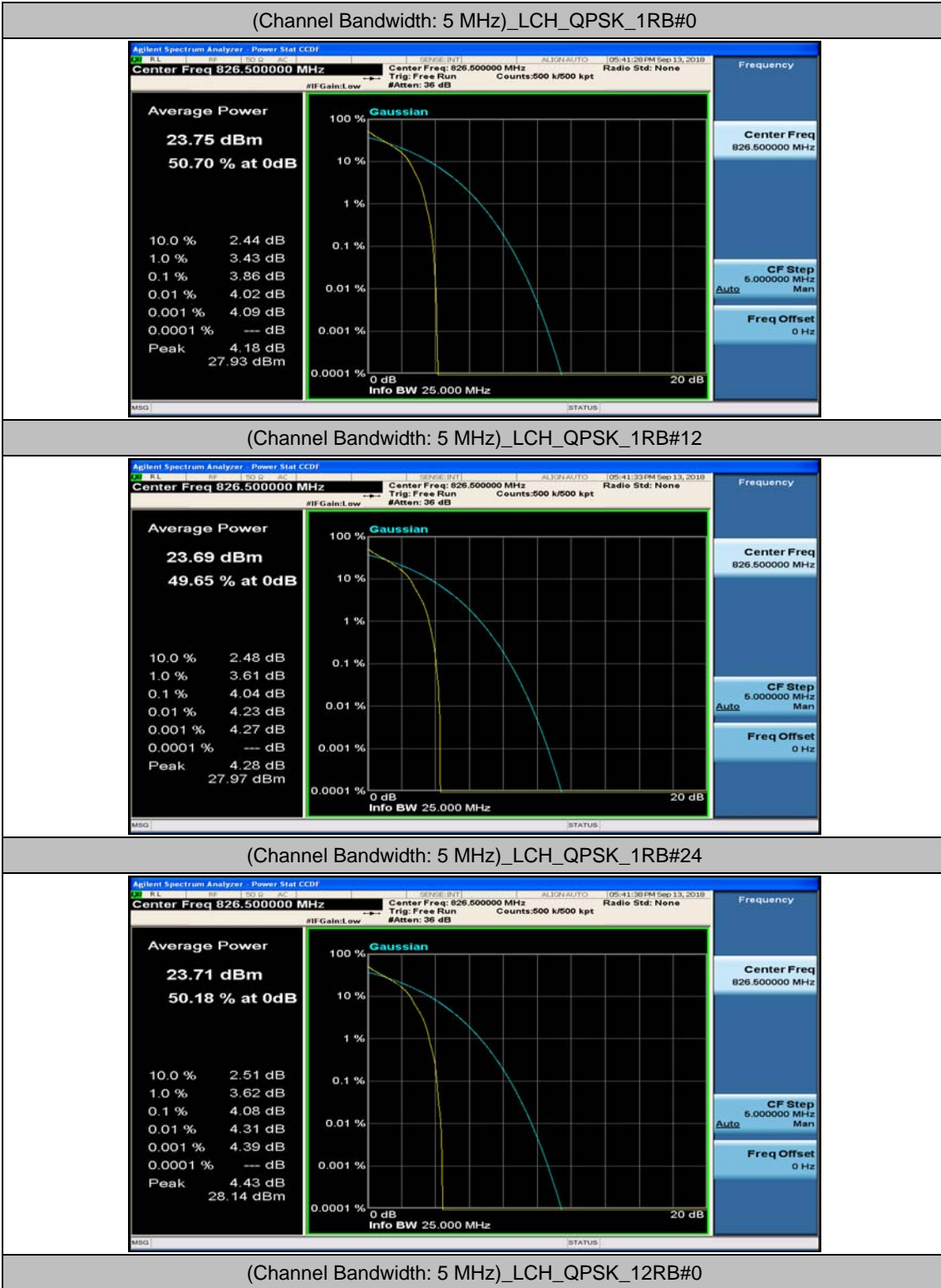
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



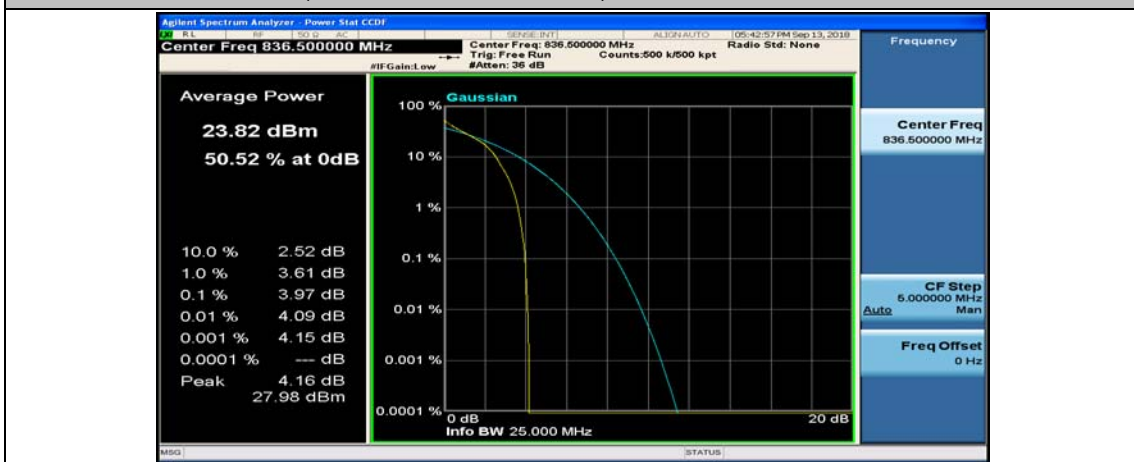
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(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_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



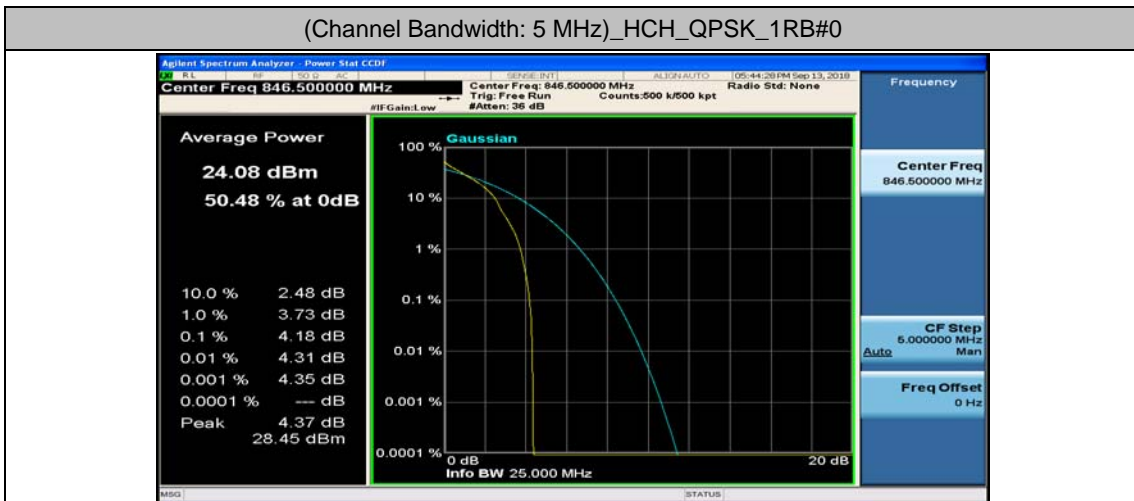
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(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_1RB#24



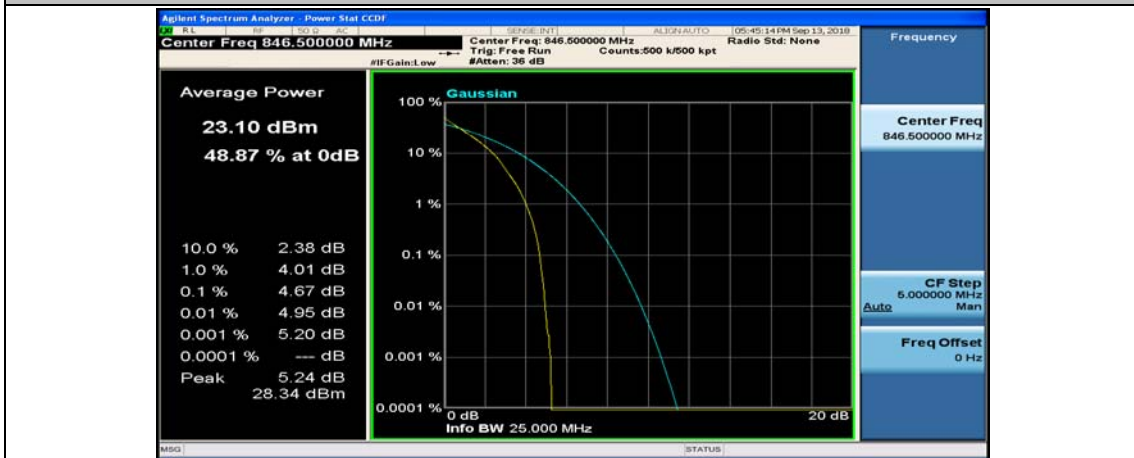
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



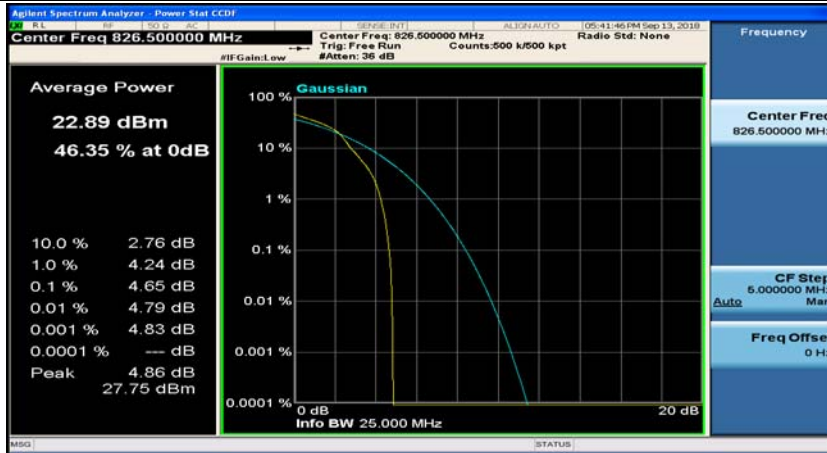
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



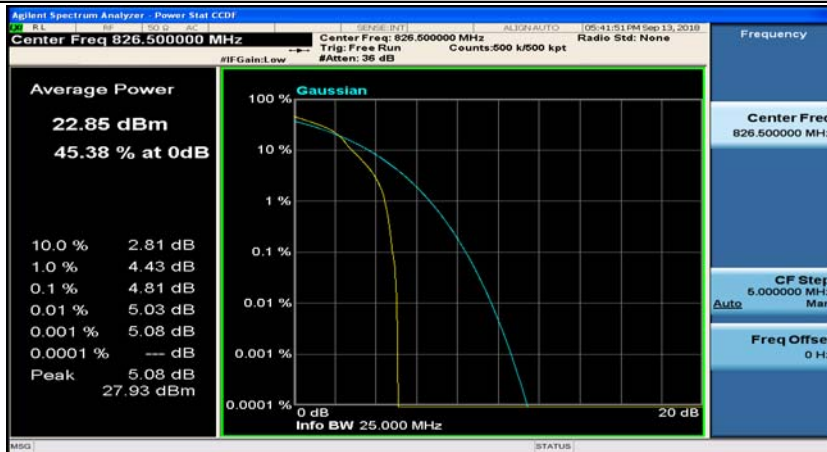
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



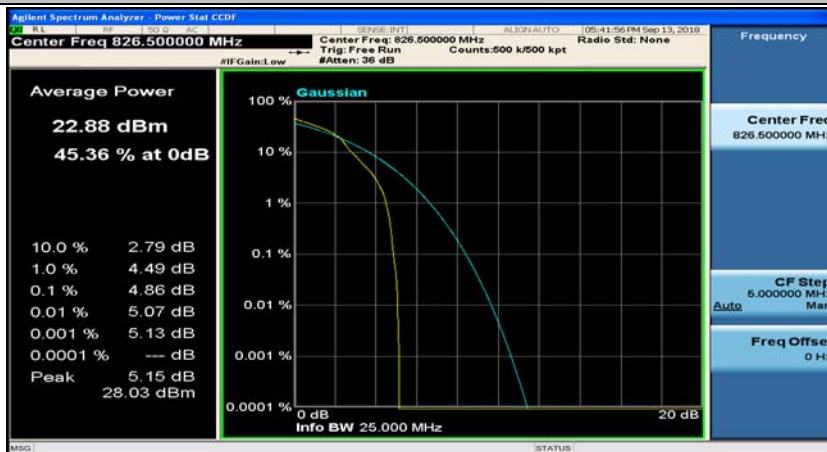
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



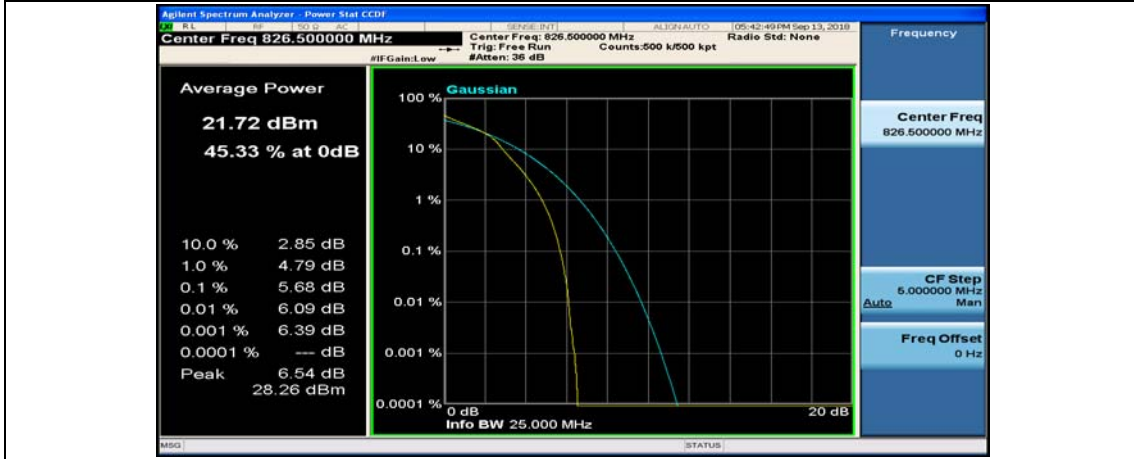
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



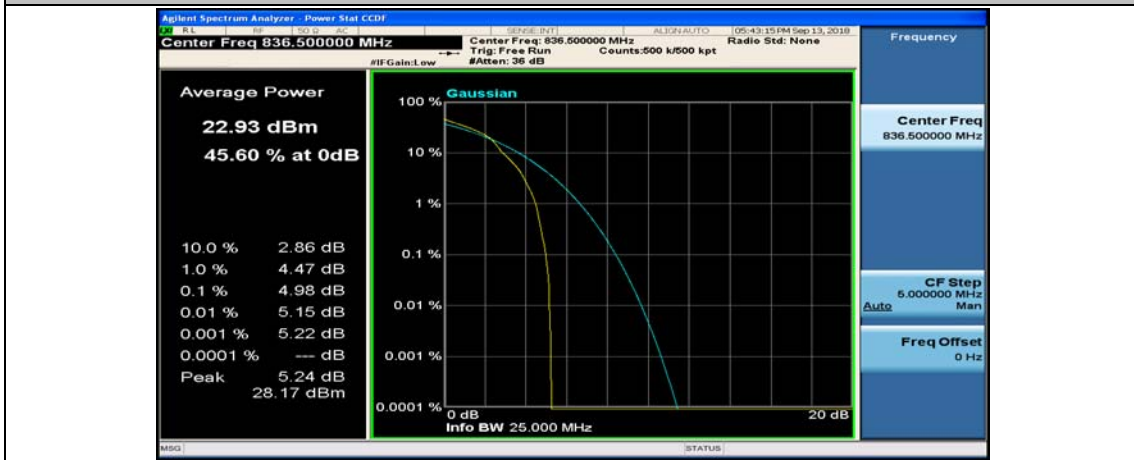
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



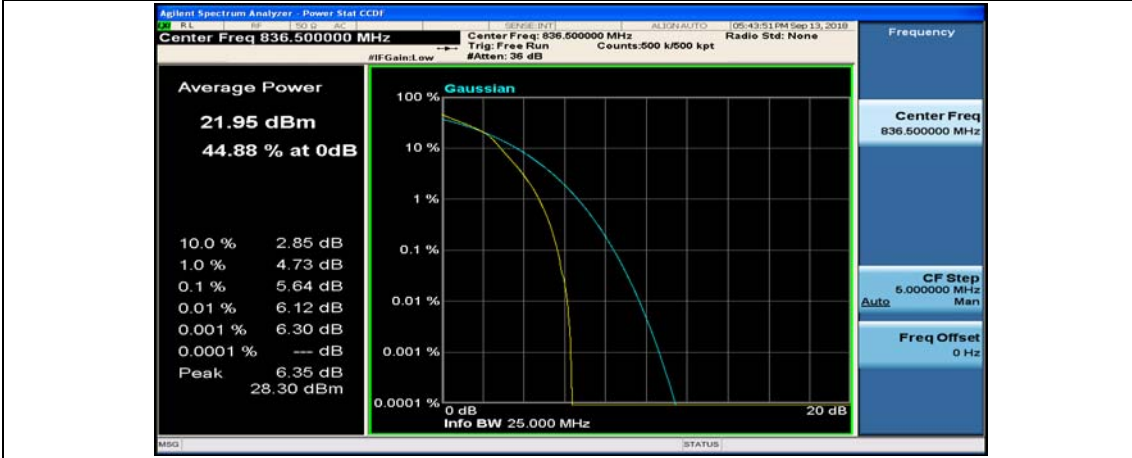
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



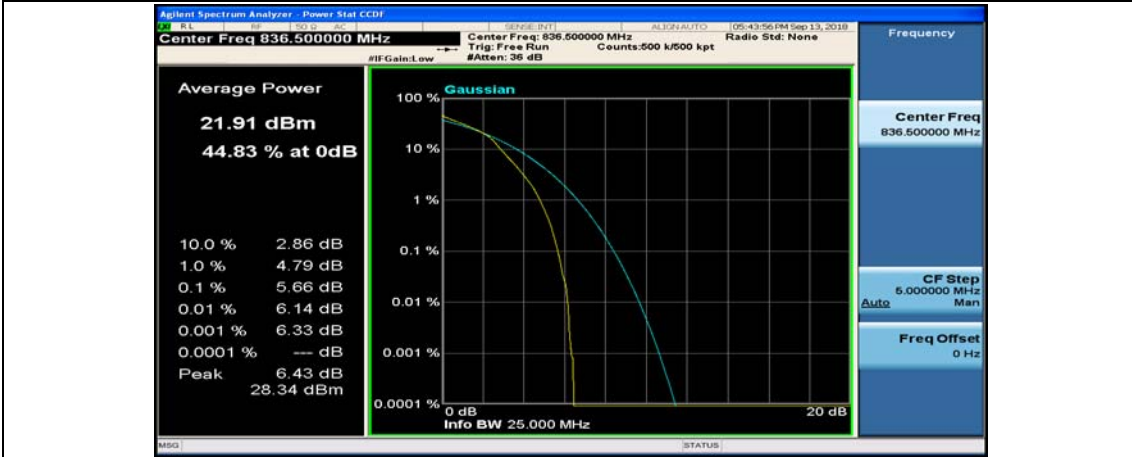
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



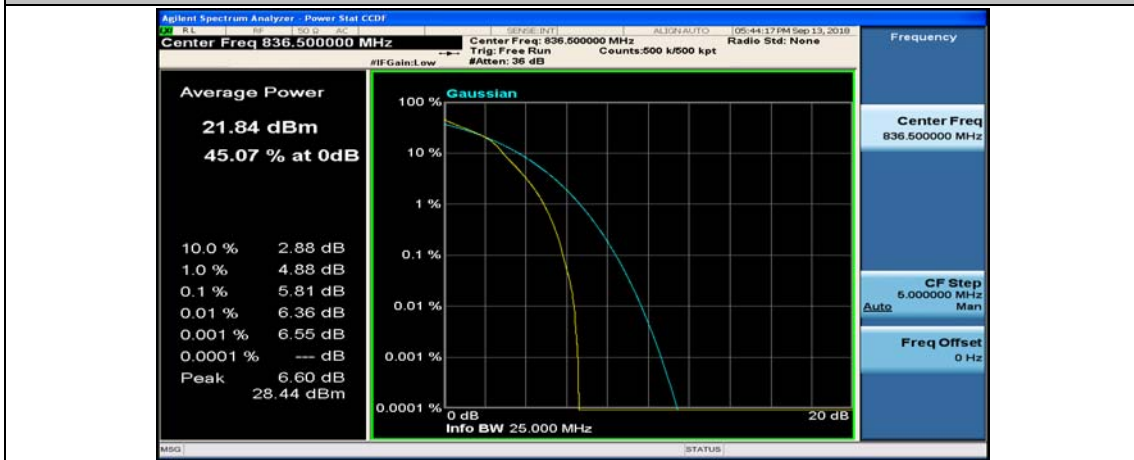
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



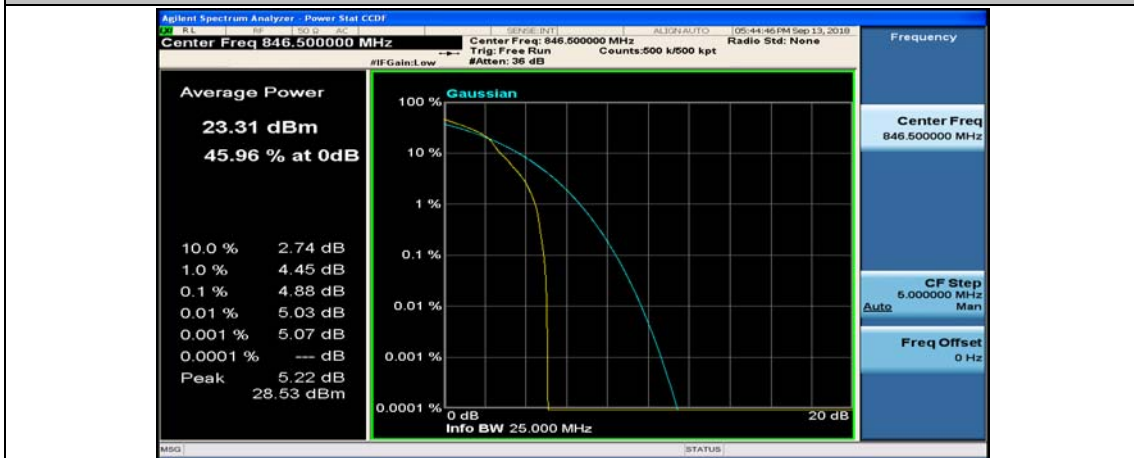
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12