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	5.72	<13	PASS
		1	3	5.67	<13	PASS
		1	5	5.55	<13	PASS
		3	0	5.8	<13	PASS
		3	2	5.85	<13	PASS
		3	3	5.79	<13	PASS
		6	0	6.18	<13	PASS
	MCH	1	0	5.99	<13	PASS
		1	3	6.03	<13	PASS
		1	5	6.04	<13	PASS
		3	0	6.61	<13	PASS
		3	2	6.63	<13	PASS
		3	3	6.67	<13	PASS
		6	0	6.93	<13	PASS
	HCH	1	0	4.87	<13	PASS
		1	3	4.8	<13	PASS
		1	5	4.74	<13	PASS
		3	0	5.25	<13	PASS
		3	2	5.26	<13	PASS
		3	3	5.21	<13	PASS
		6	0	5.95	<13	PASS
16QAM	LCH	1	0	6.59	<13	PASS
		1	3	6.37	<13	PASS
		1	5	6.42	<13	PASS
		3	0	6.72	<13	PASS
		3	2	6.61	<13	PASS
		3	3	6.64	<13	PASS
		6	0	7.03	<13	PASS
	MCH	1	0	7.03	<13	PASS
		1	3	7.05	<13	PASS
		1	5	7.25	<13	PASS
		3	0	7.64	<13	PASS
		3	2	7.61	<13	PASS
		3	3	7.6	<13	PASS

		6	0	7.7	<13	PASS
	HCH	1	0	5.64	<13	PASS
		1	3	5.56	<13	PASS
		1	5	5.63	<13	PASS
		3	0	5.98	<13	PASS
		3	2	5.86	<13	PASS
		3	3	6.01	<13	PASS
		6	0	6.78	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.67	<13	PASS
		1	7	5.42	<13	PASS
		1	14	5.49	<13	PASS
		8	0	6.12	<13	PASS
		8	4	5.99	<13	PASS
		8	7	5.94	<13	PASS
		15	0	5.99	<13	PASS
	MCH	1	0	6.32	<13	PASS
		1	7	6.3	<13	PASS
		1	14	6.31	<13	PASS
		8	0	6.93	<13	PASS
		8	4	6.99	<13	PASS
		8	7	6.92	<13	PASS
		15	0	6.99	<13	PASS
	HCH	1	0	5.36	<13	PASS
		1	7	4.89	<13	PASS
		1	14	4.7	<13	PASS
		8	0	6.26	<13	PASS
		8	4	6.1	<13	PASS
		8	7	6.07	<13	PASS
		15	0	6.27	<13	PASS
16QAM	LCH	1	0	6.5	<13	PASS
		1	7	6.41	<13	PASS
		1	14	6.36	<13	PASS
		8	0	6.57	<13	PASS
		8	4	6.6	<13	PASS
		8	7	6.48	<13	PASS
		15	0	6.8	<13	PASS

	MCH	1	0	7.25	<13	PASS
		1	7	7.26	<13	PASS
		1	14	7.08	<13	PASS
		8	0	7.53	<13	PASS
		8	4	7.54	<13	PASS
		8	7	7.67	<13	PASS
		15	0	8.01	<13	PASS
	HCH	1	0	6.11	<13	PASS
		1	7	5.78	<13	PASS
		1	14	5.6	<13	PASS
		8	0	6.96	<13	PASS
		8	4	6.73	<13	PASS
		8	7	6.69	<13	PASS
		15	0	7.08	<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	5.43	<13	PASS
		1	12	5.36	<13	PASS
		1	24	5.31	<13	PASS
		12	0	6.01	<13	PASS
		12	6	5.86	<13	PASS
		12	13	6	<13	PASS
		25	0	6.05	<13	PASS
	MCH	1	0	5.9	<13	PASS
		1	12	6.08	<13	PASS
		1	24	6.04	<13	PASS
		12	0	6.82	<13	PASS
		12	6	7.02	<13	PASS
		12	13	7.19	<13	PASS
		25	0	7.16	<13	PASS
	HCH	1	0	6.05	<13	PASS
		1	12	5.23	<13	PASS
		1	24	4.81	<13	PASS
		12	0	6.85	<13	PASS
		12	6	6.46	<13	PASS
		12	13	6.12	<13	PASS
		25	0	6.49	<13	PASS
16QAM	LCH	1	0	6.48	<13	PASS

		1	12	6.11	<13	PASS
		1	24	6.3	<13	PASS
		12	0	6.66	<13	PASS
		12	6	6.68	<13	PASS
		12	13	6.56	<13	PASS
		25	0	6.76	<13	PASS
	MCH	1	0	6.91	<13	PASS
		1	12	6.87	<13	PASS
		1	24	7.23	<13	PASS
		12	0	7.64	<13	PASS
		12	6	7.72	<13	PASS
		12	13	7.75	<13	PASS
		25	0	7.77	<13	PASS
	HCH	1	0	6.44	<13	PASS
		1	12	5.94	<13	PASS
		1	24	5.42	<13	PASS
		12	0	7.67	<13	PASS
		12	6	7.42	<13	PASS
		12	13	7.04	<13	PASS
		25	0	7.3	<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	5.53	<13	PASS
		1	24	5.47	<13	PASS
		1	49	6.12	<13	PASS
		25	0	6.02	<13	PASS
		25	12	6.13	<13	PASS
		25	25	6.46	<13	PASS
		50	0	6.18	<13	PASS
	MCH	1	0	5.86	<13	PASS
		1	24	6.38	<13	PASS
		1	49	6.41	<13	PASS
		25	0	6.82	<13	PASS
		25	12	7.02	<13	PASS
		25	25	7.24	<13	PASS
		50	0	7.09	<13	PASS
	HCH	1	0	6.22	<13	PASS
		1	24	6	<13	PASS

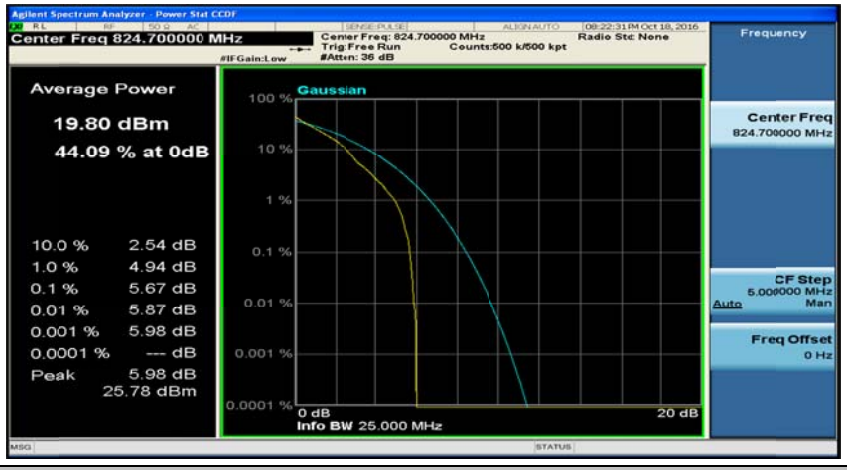
		1	49	4.71	<13	PASS
		25	0	7.22	<13	PASS
		25	12	7.05	<13	PASS
		25	25	6.47	<13	PASS
		50	0	6.91	<13	PASS
16QAM	LCH	1	0	6.5	<13	PASS
		1	24	6.41	<13	PASS
		1	49	7.1	<13	PASS
		25	0	6.78	<13	PASS
		25	12	6.88	<13	PASS
		25	25	7.21	<13	PASS
		50	0	6.73	<13	PASS
	MCH	1	0	6.79	<13	PASS
		1	24	7.04	<13	PASS
		1	49	7.27	<13	PASS
		25	0	7.63	<13	PASS
		25	12	7.88	<13	PASS
		25	25	8.04	<13	PASS
		50	0	7.65	<13	PASS
	HCH	1	0	7.1	<13	PASS
		1	24	6.72	<13	PASS
		1	49	5.62	<13	PASS
		25	0	8.03	<13	PASS
		25	12	7.82	<13	PASS
		25	25	7.31	<13	PASS
		50	0	7.55	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

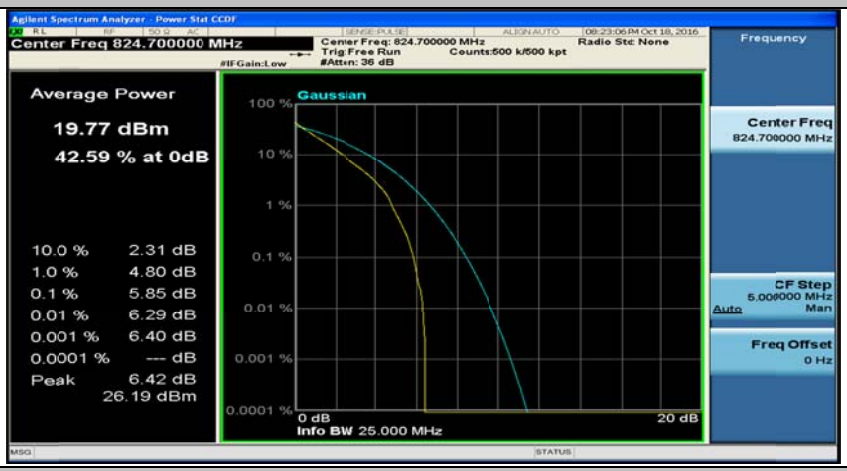
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

(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

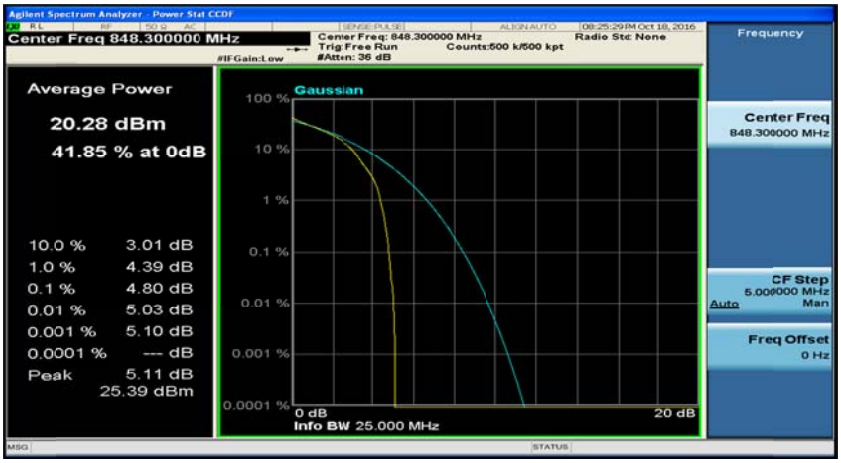
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(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

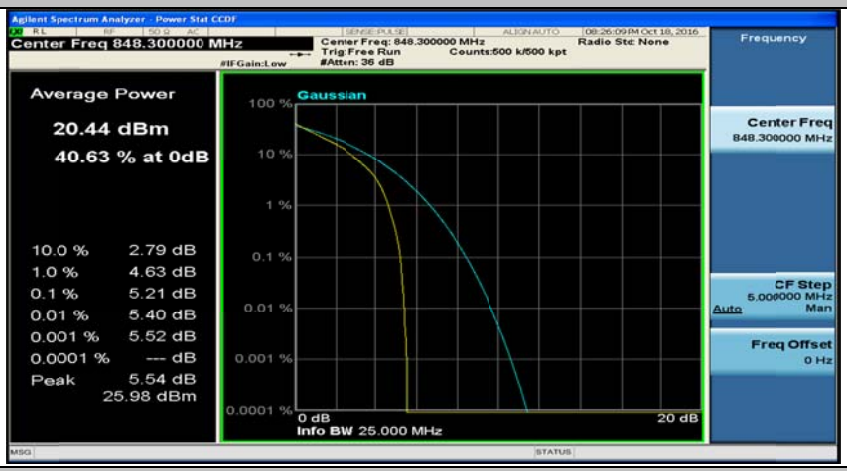


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

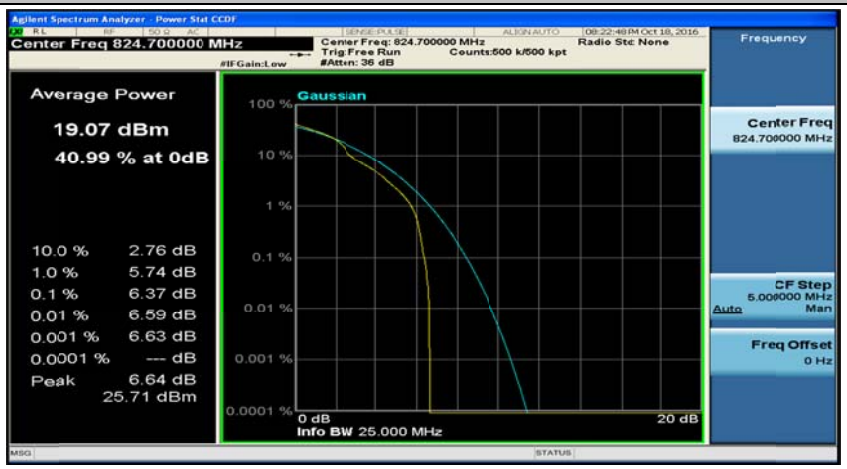
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



(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

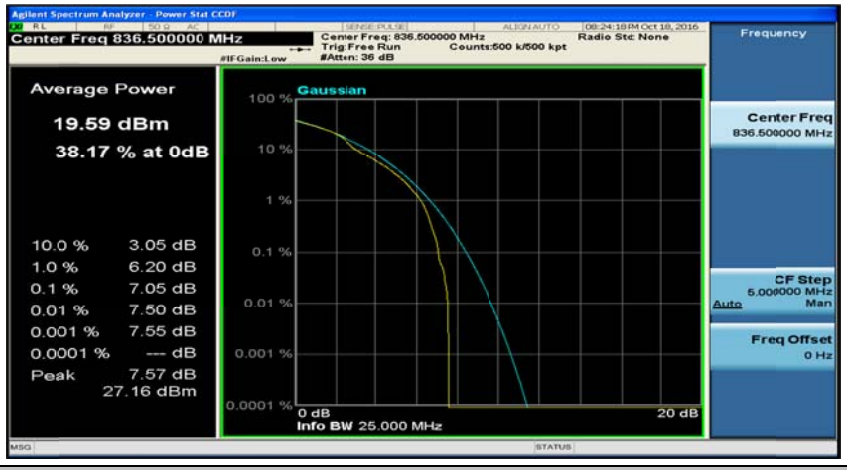
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

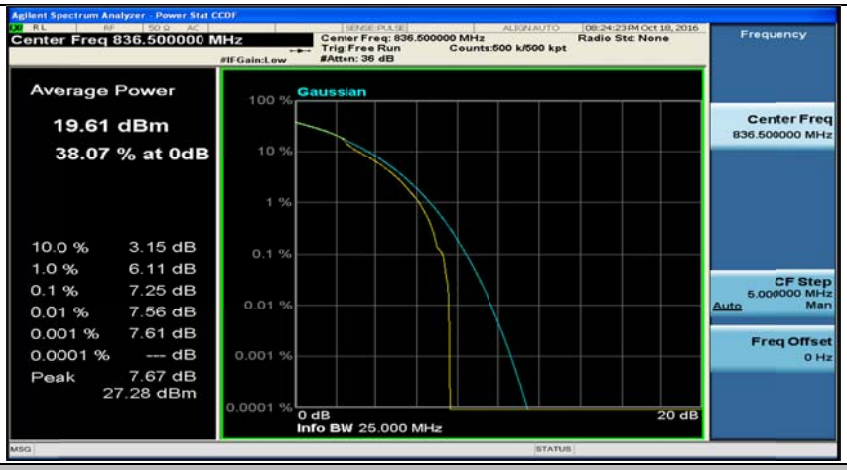
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

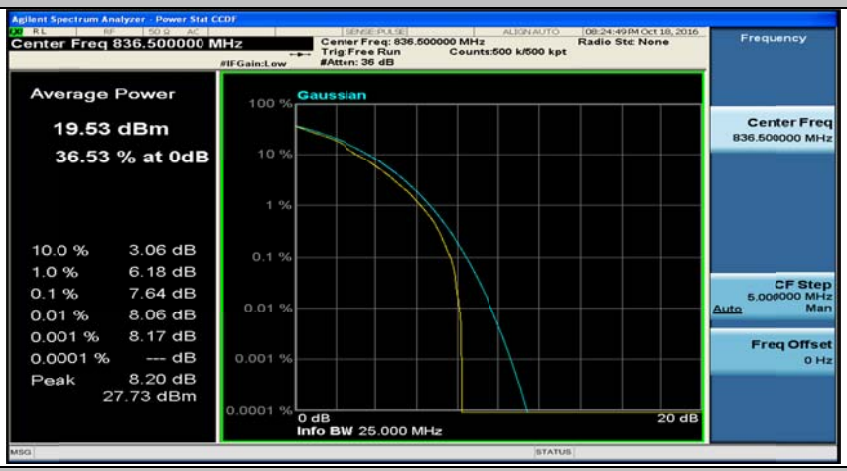
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



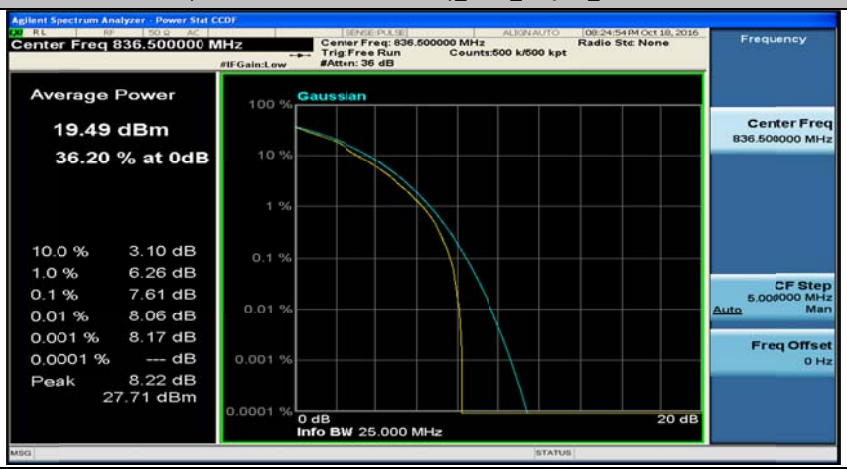
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



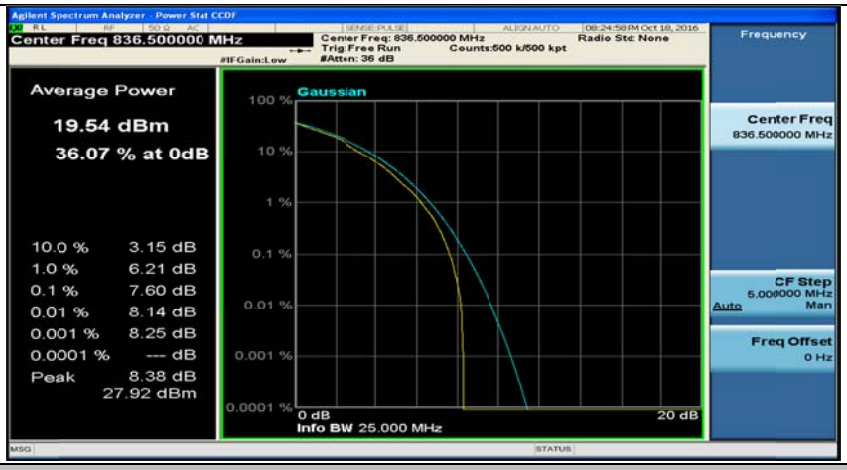
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



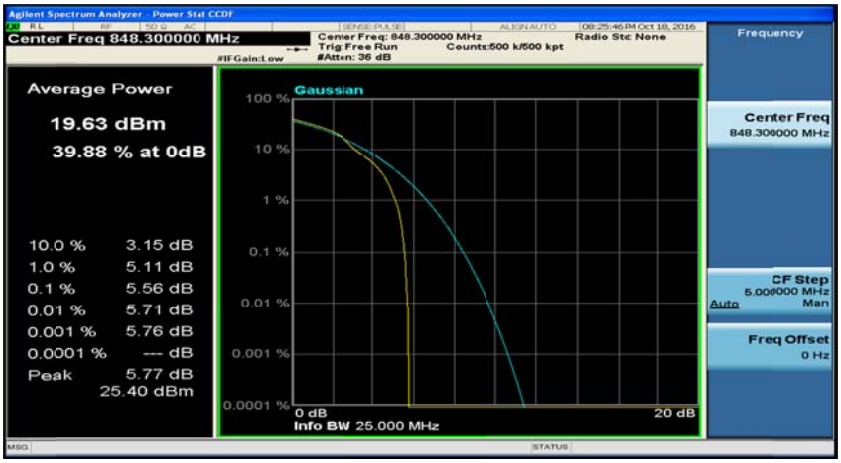
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(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

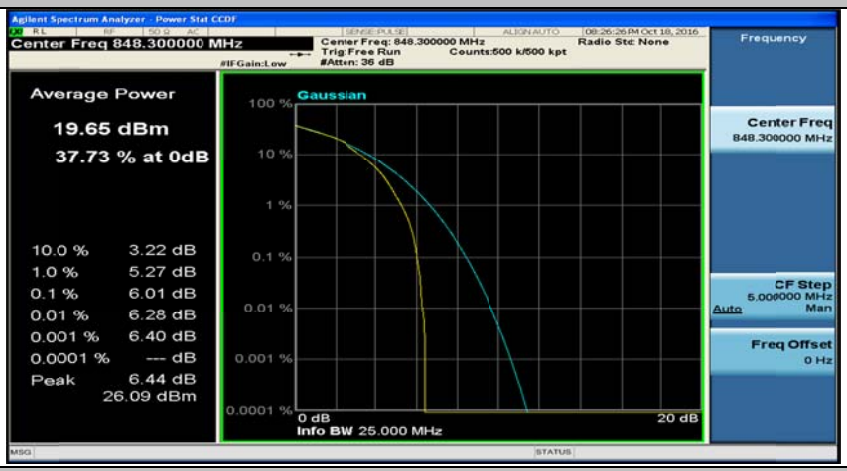


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

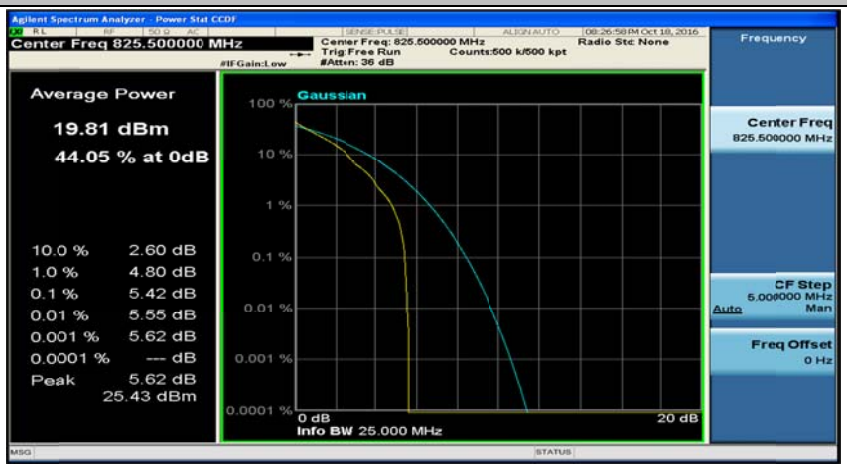


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

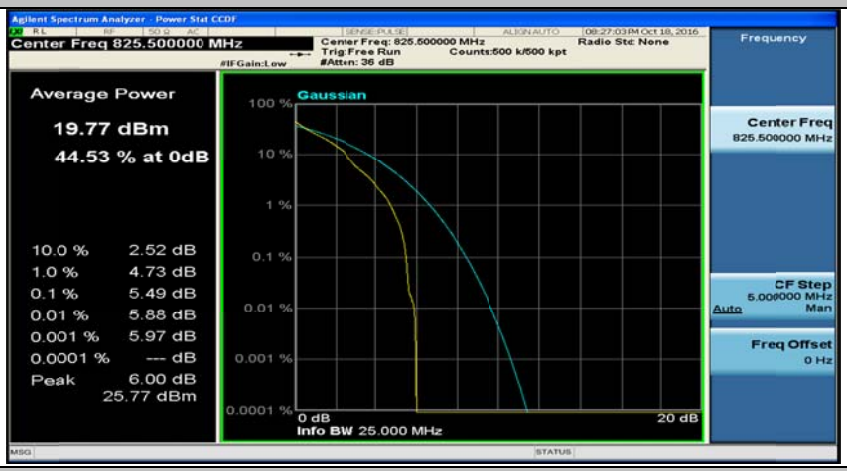
Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

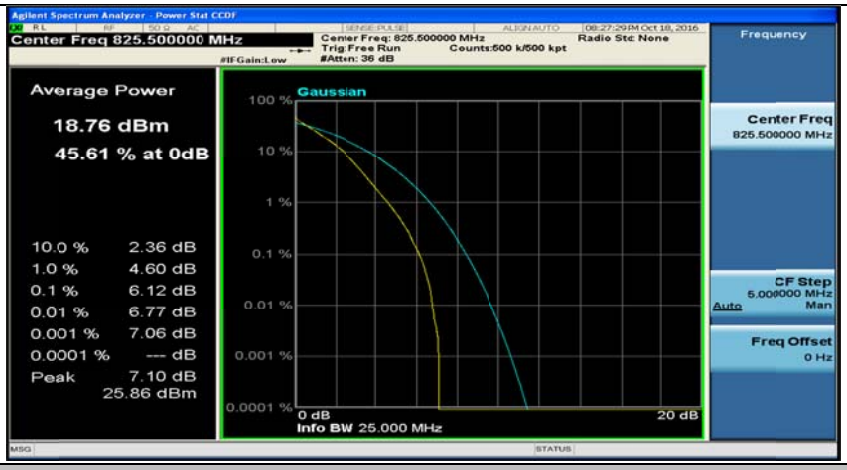
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



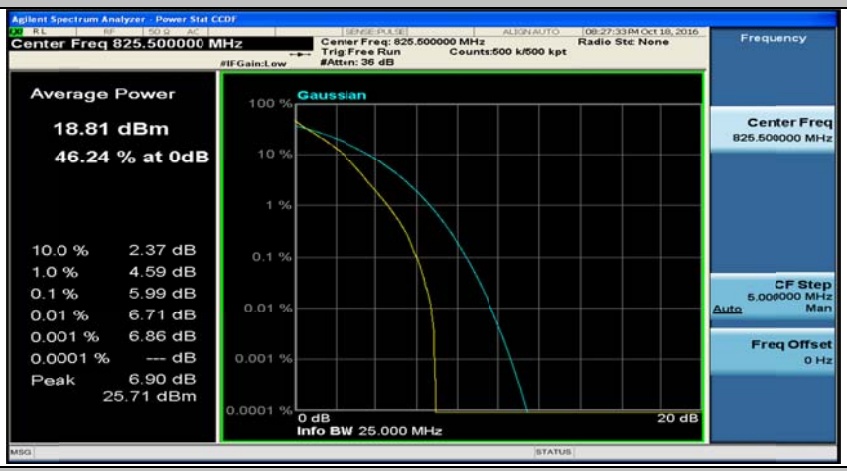
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

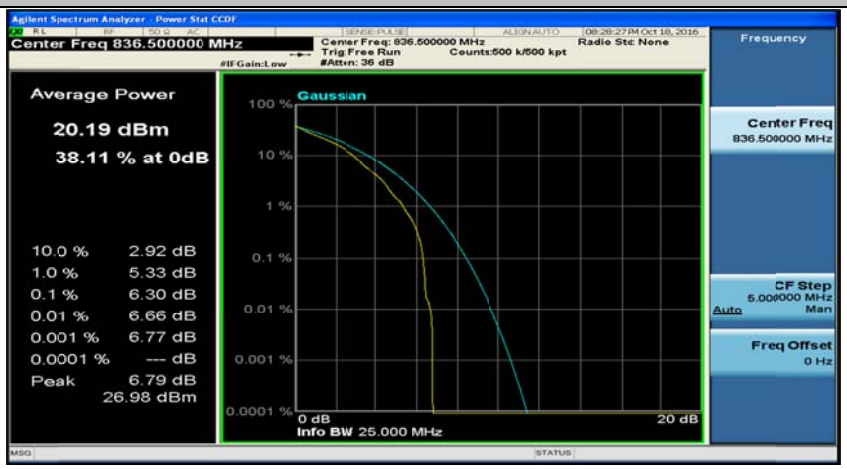


(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

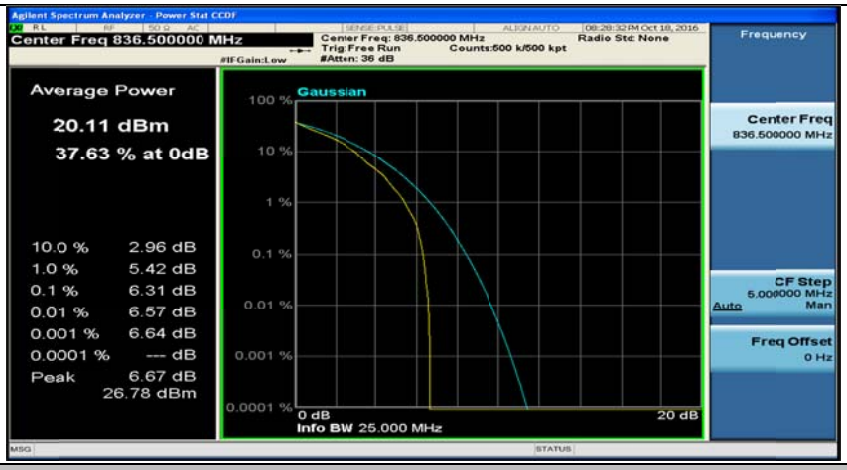
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(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

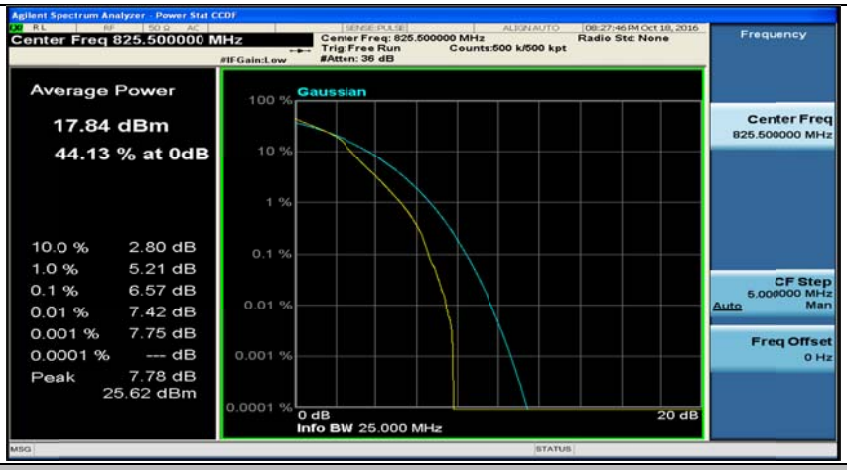
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

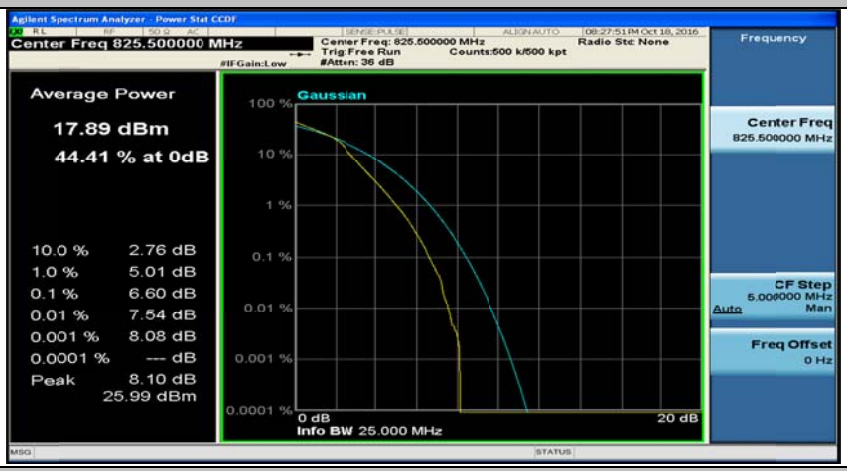
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

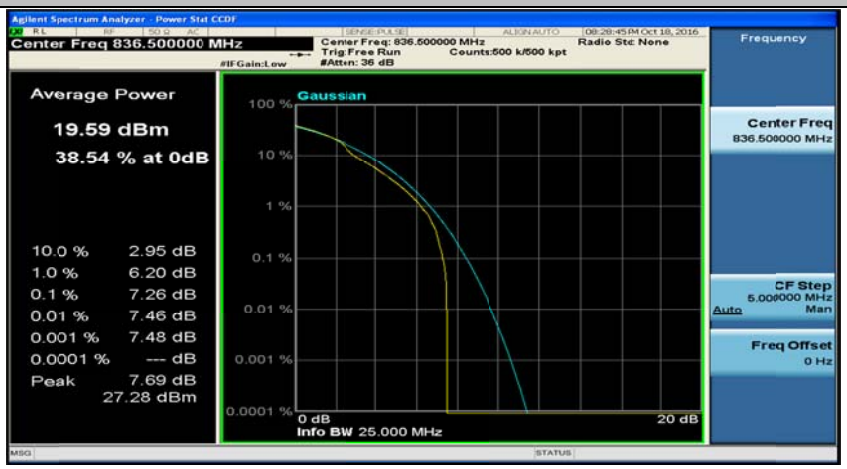


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

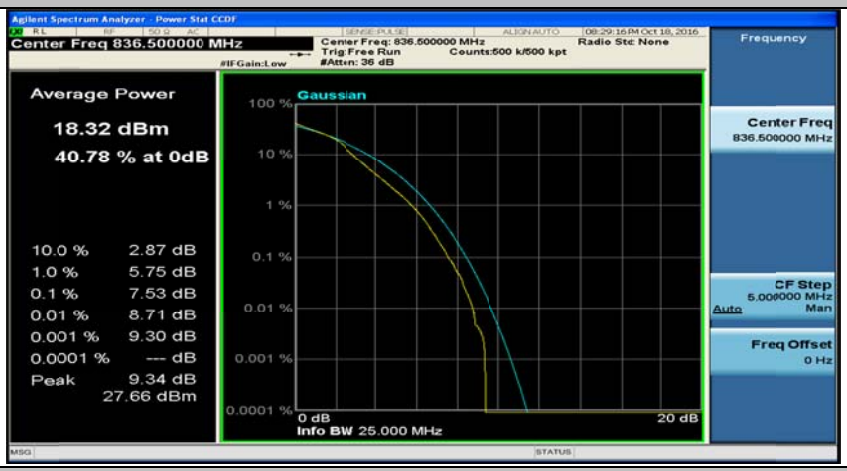
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

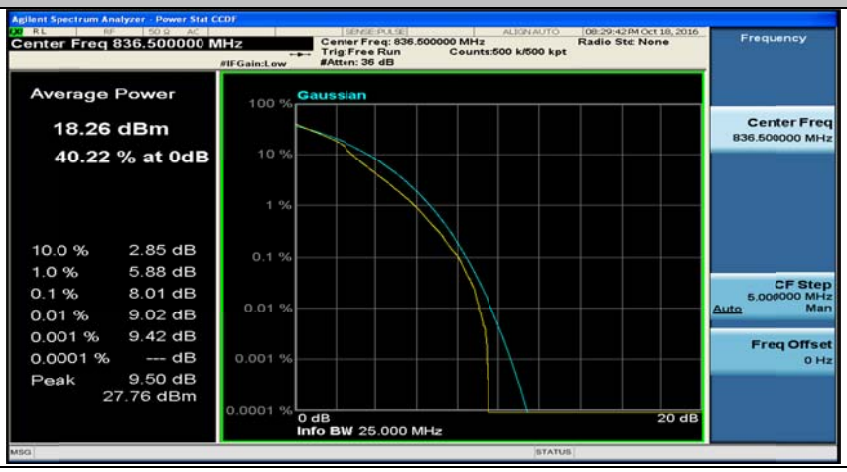
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



(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