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	25.29	PASS
		1	3	25.4	PASS
		1	5	25.29	PASS
		3	0	24.21	PASS
		3	2	24.14	PASS
		3	3	24.2	PASS
		6	0	23.3	PASS
	MCH	1	0	24.97	PASS
		1	3	25.07	PASS
		1	5	24.93	PASS
		3	0	24.05	PASS
		3	2	24	PASS
		3	3	24.04	PASS
		6	0	23.07	PASS
	HCH	1	0	24.54	PASS
		1	3	24.69	PASS
		1	5	24.52	PASS
		3	0	23.57	PASS
		3	2	23.59	PASS
		3	3	23.55	PASS
		6	0	22.67	PASS
16QAM	LCH	1	0	24.42	PASS
		1	3	24.08	PASS
		1	5	24.46	PASS
		3	0	23.42	PASS
		3	2	23.4	PASS
		3	3	23.39	PASS
		6	0	23.18	PASS
	MCH	1	0	24.36	PASS
		1	3	24.47	PASS
		1	5	24.31	PASS

		3	0	23.09	PASS
		3	2	23.11	PASS
		3	3	23.06	PASS
		6	0	23	PASS
	HCH	1	0	23.73	PASS
		1	3	23.87	PASS
		1	5	23.71	PASS
		3	0	23.76	PASS
		3	2	23.73	PASS
		3	3	23.7	PASS
		6	0	22.57	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	25.18	PASS
		1	7	25.41	PASS
		1	14	25.18	PASS
		8	0	24.27	PASS
		8	4	24.28	PASS
		8	7	24.21	PASS
		15	0	23.2	PASS
	MCH	1	0	25.04	PASS
		1	7	25.16	PASS
		1	14	24.77	PASS
		8	0	23.77	PASS
		8	4	23.84	PASS
		8	7	23.6	PASS
		15	0	23.53	PASS
	HCH	1	0	24.51	PASS
		1	7	24.76	PASS
		1	14	24.35	PASS
		8	0	23.41	PASS
		8	4	23.62	PASS
		8	7	23.42	PASS
		15	0	23.56	PASS
16QAM	LCH	1	0	24.4	PASS
		1	7	24.35	PASS
		1	14	24.41	PASS
		8	0	23.25	PASS
		8	4	23.3	PASS
		8	7	23.24	PASS

		15	0	23.1	PASS
	MCH	1	0	24.13	PASS
		1	7	24.31	PASS
		1	14	23.95	PASS
		8	0	22.62	PASS
		8	4	22.75	PASS
		8	7	22.63	PASS
		15	0	22.48	PASS
	HCH	1	0	23.59	PASS
		1	7	23.93	PASS
		1	14	23.63	PASS
		8	0	22.68	PASS
		8	4	22.72	PASS
		8	7	22.62	PASS
		15	0	22.49	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	25.19	PASS
		1	12	25.32	PASS
		1	24	24.83	PASS
		12	0	23.65	PASS
		12	6	23.81	PASS
		12	13	23.8	PASS
		25	0	23.56	PASS
	MCH	1	0	24.59	PASS
		1	12	24.73	PASS
		1	24	24.35	PASS
		12	0	23.55	PASS
		12	6	23.55	PASS
		12	13	23.39	PASS
		25	0	23.51	PASS
	HCH	1	0	24.17	PASS
		1	12	24.42	PASS
		1	24	24.02	PASS
		12	0	23.3	PASS
		12	6	23.43	PASS
		12	13	23.39	PASS
		25	0	23.49	PASS
16QAM	LCH	1	0	23.97	PASS
		1	12	24.09	PASS

		1	24	23.9	PASS
		12	0	22.73	PASS
		12	6	22.89	PASS
		12	13	23.04	PASS
		25	0	22.72	PASS
	MCH	1	0	23.76	PASS
		1	12	24.22	PASS
		1	24	23.52	PASS
		12	0	22.67	PASS
		12	6	22.68	PASS
		12	13	22.54	PASS
		25	0	22.52	PASS
	HCH	1	0	23.42	PASS
		1	12	23.68	PASS
		1	24	23.34	PASS
		12	0	22.5	PASS
		12	6	22.67	PASS
		12	13	22.51	PASS
		25	0	22.57	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	25.42	PASS
		1	24	25.03	PASS
		1	49	24.69	PASS
		25	0	24.35	PASS
		25	12	23.99	PASS
		25	25	23.68	PASS
		50	0	23.93	PASS
	MCH	1	0	25.34	PASS
		1	24	24.65	PASS
		1	49	24.27	PASS
		25	0	23.71	PASS
		25	12	23.48	PASS
		25	25	23.55	PASS
		50	0	23.58	PASS
	HCH	1	0	24.92	PASS
		1	24	24.27	PASS
		1	49	23.99	PASS
		25	0	23.81	PASS
		25	12	23.19	PASS

		25	25	23.04	PASS
		50	0	23.15	PASS
16QAM	LCH	1	0	23.9	PASS
		1	24	24.06	PASS
		1	49	23.89	PASS
		25	0	22.73	PASS
		25	12	22.74	PASS
		25	25	22.72	PASS
		50	0	22.65	PASS
	MCH	1	0	24.01	PASS
		1	24	24	PASS
		1	49	23.59	PASS
		25	0	22.74	PASS
		25	12	22.59	PASS
		25	25	22.55	PASS
		50	0	22.61	PASS
	HCH	1	0	23.59	PASS
		1	24	23.52	PASS
		1	49	23.25	PASS
		25	0	22.23	PASS
		25	12	22.24	PASS
		25	25	22.2	PASS
		50	0	22.34	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	4.33	<13	PASS
		1	3	4.44	<13	PASS
		1	5	4.42	<13	PASS
		3	0	4.47	<13	PASS
		3	2	4.48	<13	PASS
		3	3	4.51	<13	PASS
		6	0	5.08	<13	PASS
	MCH	1	0	4.41	<13	PASS
		1	3	4.16	<13	PASS
		1	5	4.19	<13	PASS
		3	0	4.46	<13	PASS
		3	2	4.38	<13	PASS
		3	3	4.36	<13	PASS
		6	0	5.05	<13	PASS
	HCH	1	0	4.33	<13	PASS
		1	3	3.9	<13	PASS
		1	5	3.97	<13	PASS
		3	0	4.29	<13	PASS
		3	2	4.17	<13	PASS
		3	3	4.05	<13	PASS
		6	0	4.96	<13	PASS
16QAM	LCH	1	0	5.37	<13	PASS
		1	3	5.33	<13	PASS
		1	5	5.38	<13	PASS
		3	0	5.42	<13	PASS
		3	2	5.55	<13	PASS
		3	3	5.55	<13	PASS
		6	0	6	<13	PASS
	MCH	1	0	5.24	<13	PASS
		1	3	5.17	<13	PASS
		1	5	5.27	<13	PASS
		3	0	5.43	<13	PASS

		3	2	5.31	<13	PASS
		3	3	5.31	<13	PASS
		6	0	5.99	<13	PASS
	HCH	1	0	5.26	<13	PASS
		1	3	4.98	<13	PASS
		1	5	5.1	<13	PASS
		3	0	5.31	<13	PASS
		3	2	5.23	<13	PASS
		3	3	5.15	<13	PASS
		6	0	5.95	<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	4.35	<13	PASS
		1	7	4.37	<13	PASS
		1	14	4.3	<13	PASS
		8	0	5.1	<13	PASS
		8	4	5.11	<13	PASS
		8	7	5.13	<13	PASS
		15	0	5.09	<13	PASS
	MCH	1	0	4.3	<13	PASS
		1	7	4.09	<13	PASS
		1	14	3.94	<13	PASS
		8	0	5.23	<13	PASS
		8	4	5.12	<13	PASS
		8	7	5.08	<13	PASS
		15	0	5.13	<13	PASS
	HCH	1	0	4.44	<13	PASS
		1	7	4.31	<13	PASS
		1	14	3.84	<13	PASS
		8	0	5.23	<13	PASS
		8	4	5.1	<13	PASS
		8	7	5.1	<13	PASS
		15	0	5.09	<13	PASS
16QAM	LCH	1	0	5.27	<13	PASS
		1	7	5.19	<13	PASS
		1	14	5.15	<13	PASS
		8	0	5.87	<13	PASS
		8	4	5.86	<13	PASS

		8	7	5.86	<13	PASS
		15	0	6.08	<13	PASS
	MCH	1	0	5.23	<13	PASS
		1	7	5.12	<13	PASS
		1	14	4.96	<13	PASS
		8	0	5.96	<13	PASS
		8	4	5.81	<13	PASS
		8	7	5.93	<13	PASS
		15	0	5.94	<13	PASS
	HCH	1	0	5.31	<13	PASS
		1	7	5.18	<13	PASS
		1	14	4.93	<13	PASS
		8	0	6.04	<13	PASS
		8	4	5.95	<13	PASS
		8	7	5.85	<13	PASS
		15	0	5.98	<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	4.59	<13	PASS
		1	12	4.24	<13	PASS
		1	24	4.62	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.12	<13	PASS
		12	13	5.13	<13	PASS
		25	0	5.1	<13	PASS
	MCH	1	0	4.49	<13	PASS
		1	12	4.16	<13	PASS
		1	24	4.05	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.09	<13	PASS
		12	13	4.97	<13	PASS
		25	0	5.07	<13	PASS
	HCH	1	0	4.48	<13	PASS
		1	12	4.54	<13	PASS
		1	24	4.1	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.21	<13	PASS
		12	13	5.17	<13	PASS

		25	0	5.08	<13	PASS
16QAM	LCH	1	0	5.39	<13	PASS
		1	12	5.06	<13	PASS
		1	24	5.32	<13	PASS
		12	0	6.11	<13	PASS
		12	6	5.99	<13	PASS
		12	13	6.04	<13	PASS
		25	0	5.93	<13	PASS
	MCH	1	0	5.46	<13	PASS
		1	12	5.2	<13	PASS
		1	24	5.04	<13	PASS
		12	0	6.1	<13	PASS
		12	6	5.96	<13	PASS
		12	13	5.83	<13	PASS
		25	0	6.01	<13	PASS
	HCH	1	0	5.15	<13	PASS
		1	12	5.32	<13	PASS
		1	24	4.93	<13	PASS
		12	0	6.09	<13	PASS
		12	6	6.11	<13	PASS
		12	13	6.06	<13	PASS
		25	0	5.94	<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	4.39	<13	PASS
		1	24	4.3	<13	PASS
		1	49	4.53	<13	PASS
		25	0	5.11	<13	PASS
		25	12	5.06	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.21	<13	PASS
	MCH	1	0	4.4	<13	PASS
		1	24	4.08	<13	PASS
		1	49	3.79	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.07	<13	PASS
		25	25	4.84	<13	PASS
		50	0	5.08	<13	PASS

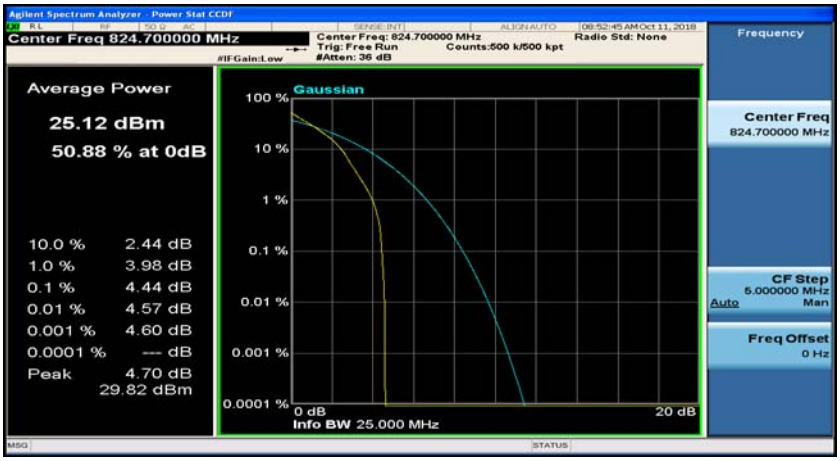
	HCH	1	0	3.96	<13	PASS
		1	24	4.09	<13	PASS
		1	49	4	<13	PASS
		25	0	4.87	<13	PASS
		25	12	4.89	<13	PASS
		25	25	5.11	<13	PASS
		50	0	4.97	<13	PASS
16QAM	LCH	1	0	5.21	<13	PASS
		1	24	5.22	<13	PASS
		1	49	5.46	<13	PASS
		25	0	5.9	<13	PASS
		25	12	5.94	<13	PASS
		25	25	6.05	<13	PASS
		50	0	5.99	<13	PASS
	MCH	1	0	5.26	<13	PASS
		1	24	5.06	<13	PASS
		1	49	4.89	<13	PASS
		25	0	6.04	<13	PASS
		25	12	6.03	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.91	<13	PASS
	HCH	1	0	4.84	<13	PASS
		1	24	4.99	<13	PASS
		1	49	5.02	<13	PASS
		25	0	5.83	<13	PASS
		25	12	5.85	<13	PASS
		25	25	5.93	<13	PASS
		50	0	5.89	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

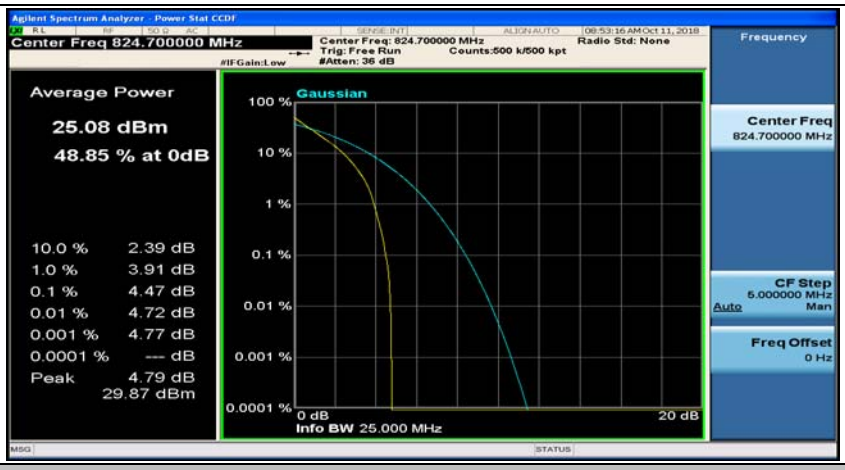
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(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



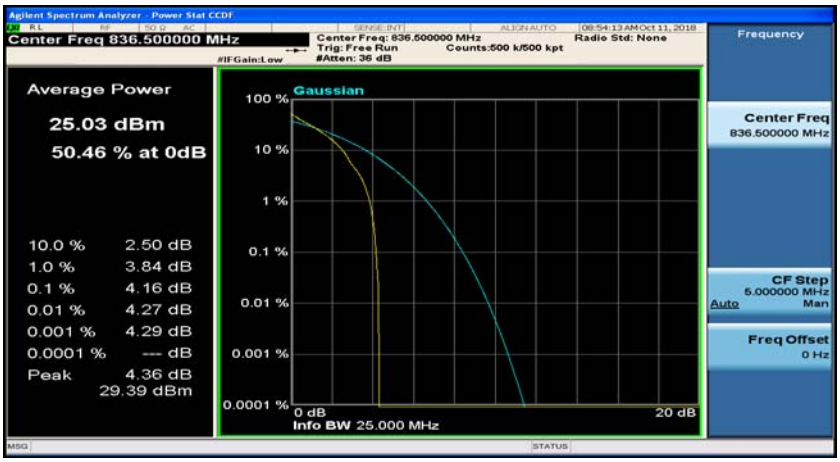
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(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

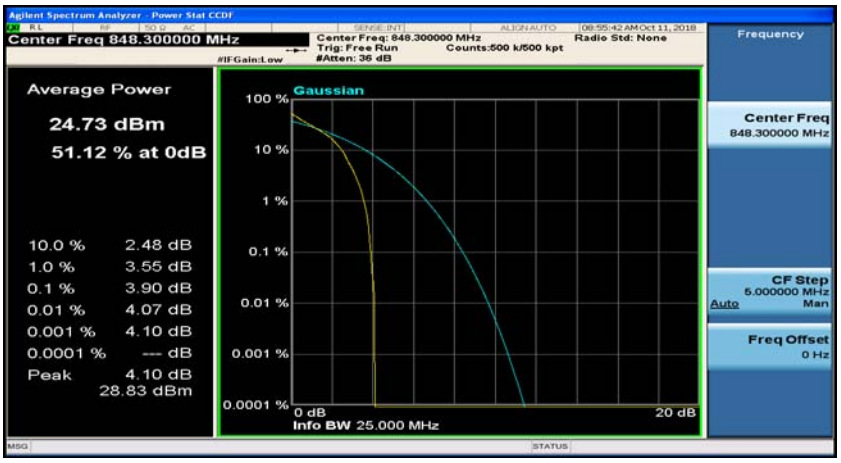
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

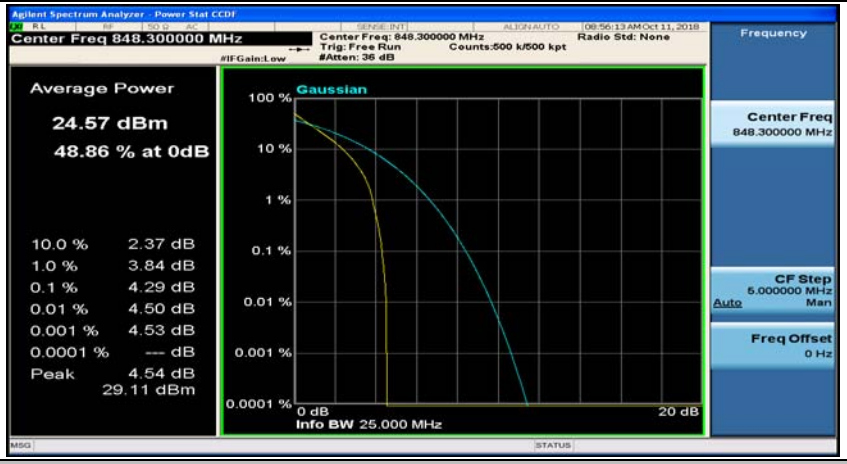
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

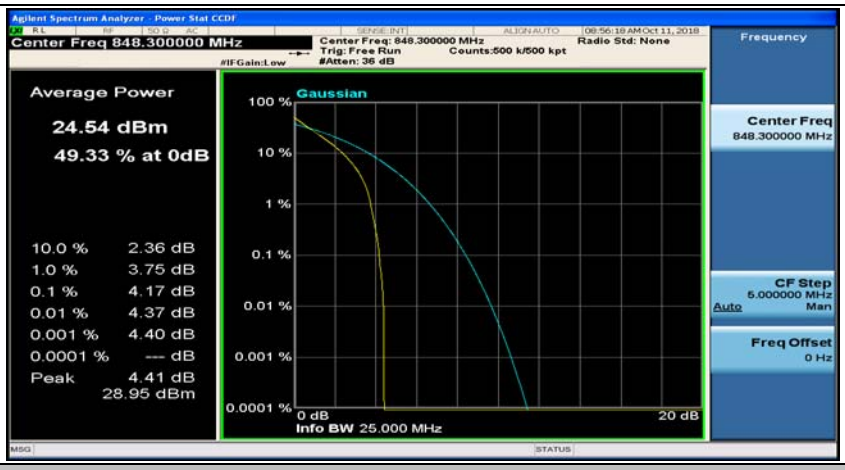


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

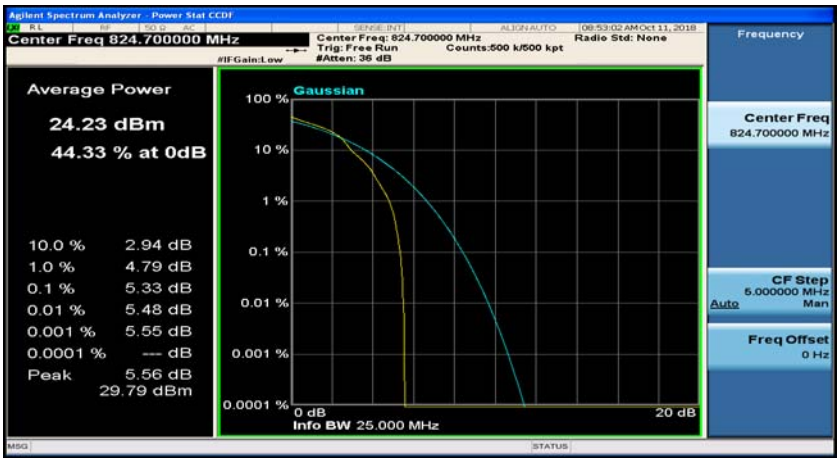


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

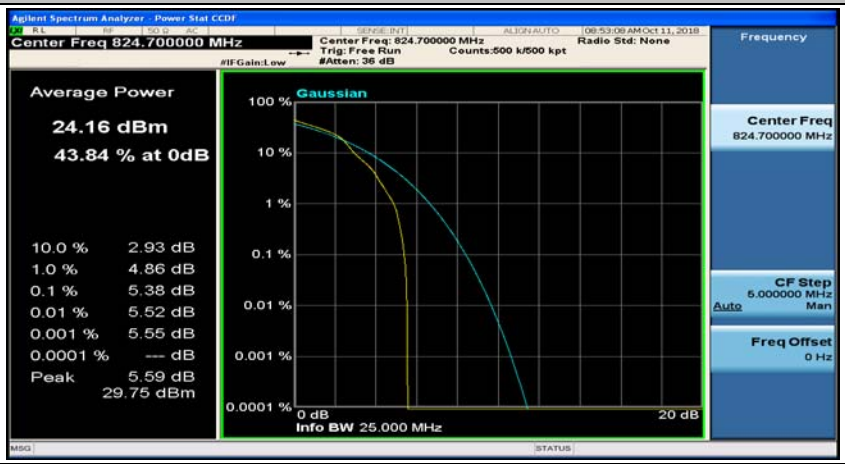
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

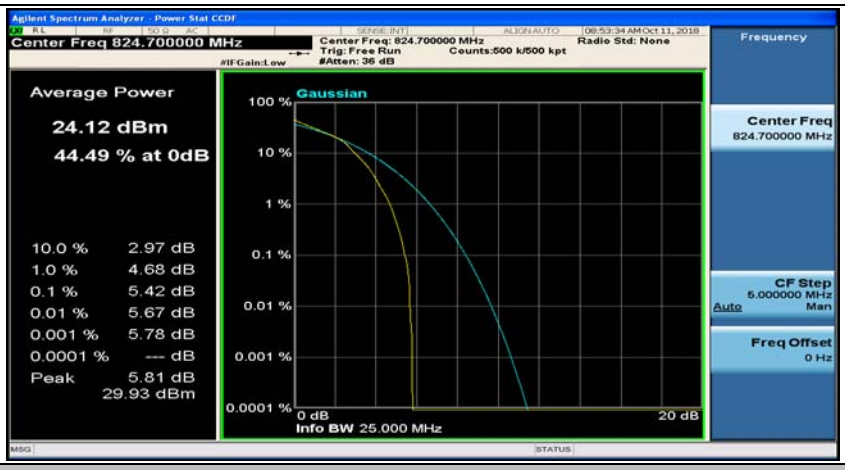
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(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

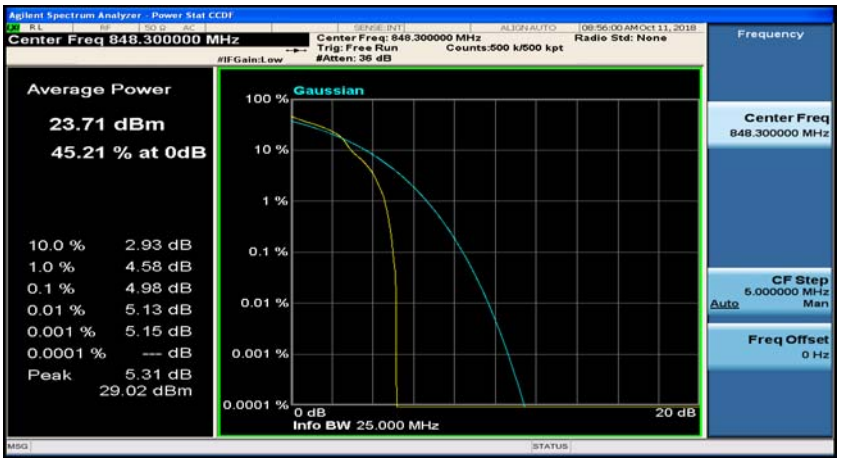
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

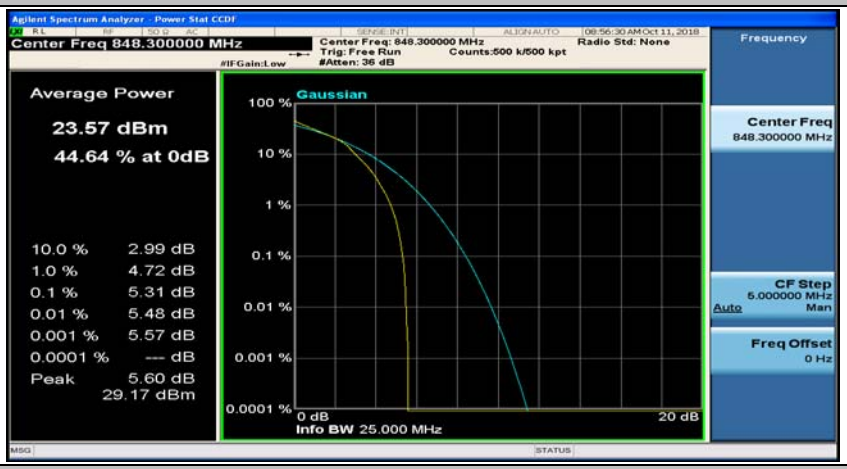
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

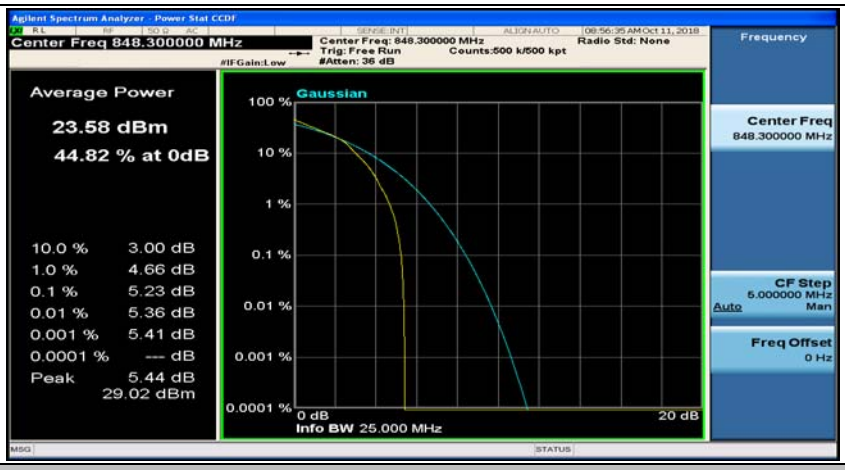


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

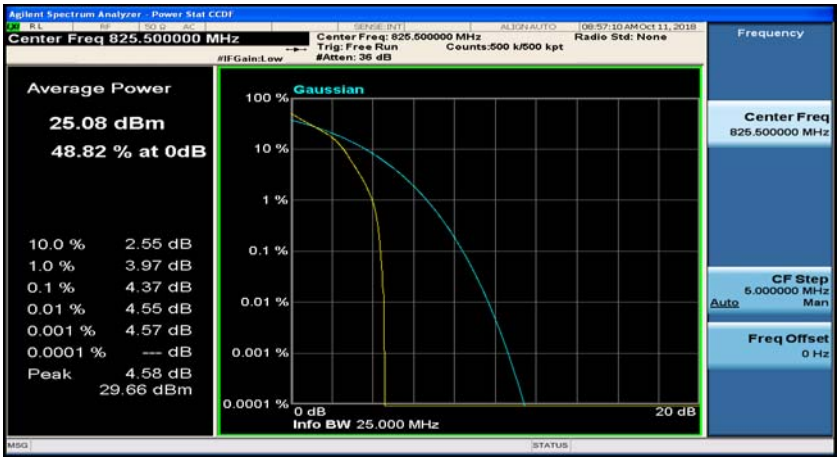


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(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

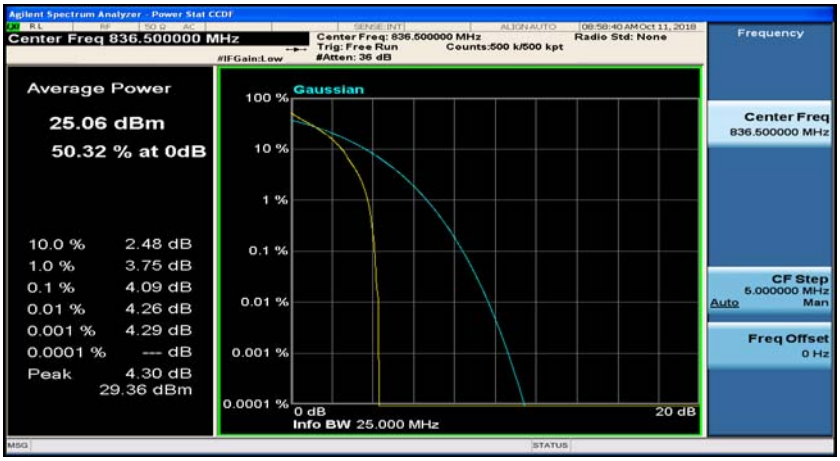

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(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

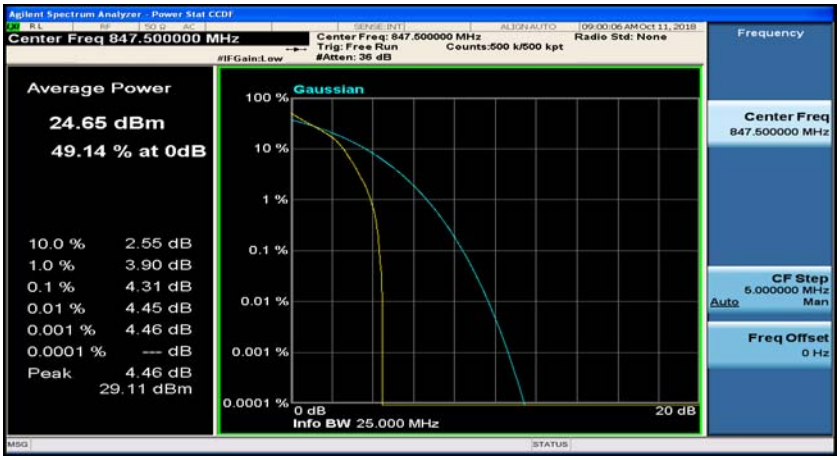
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

(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

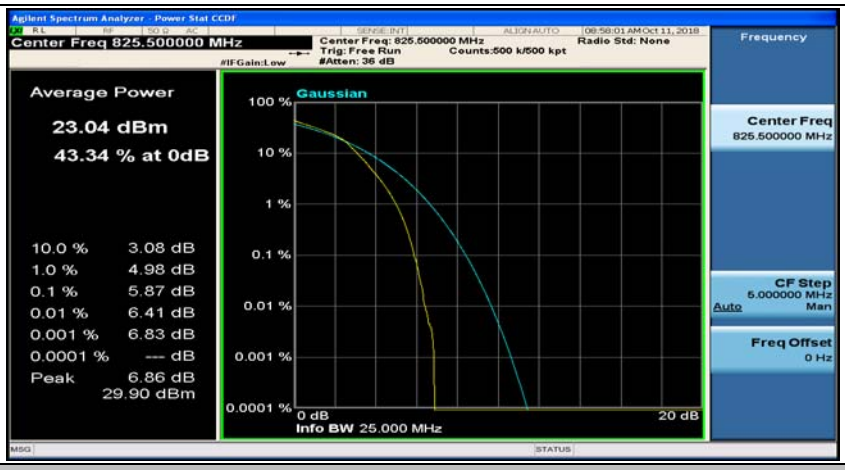
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(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



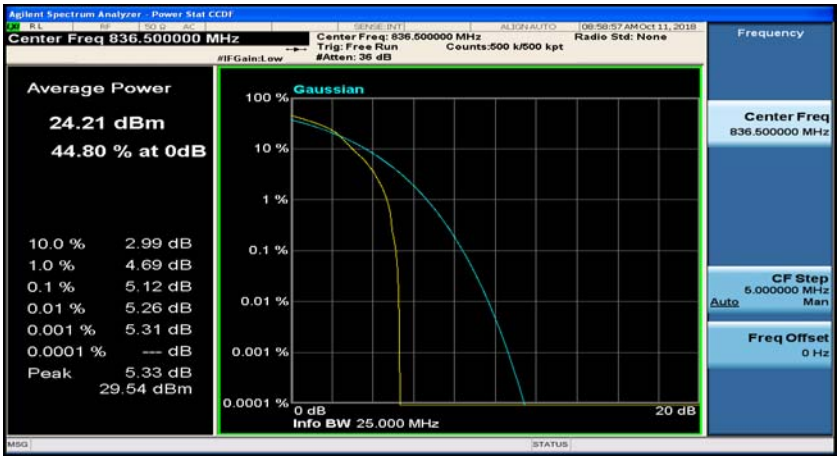
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(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

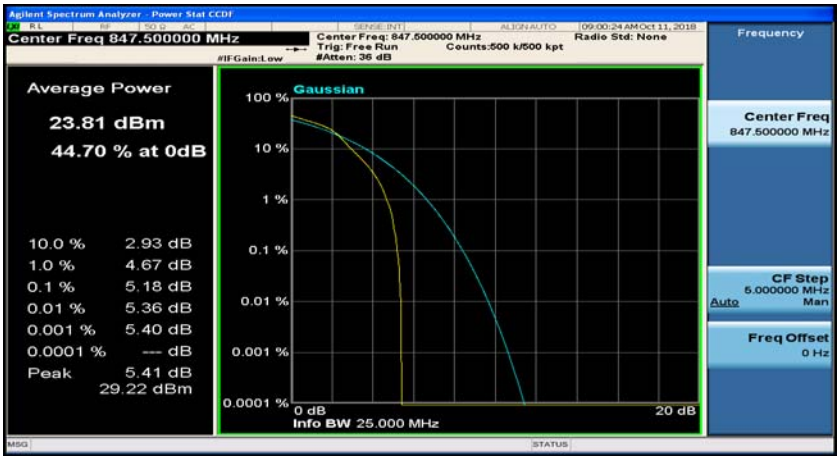
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

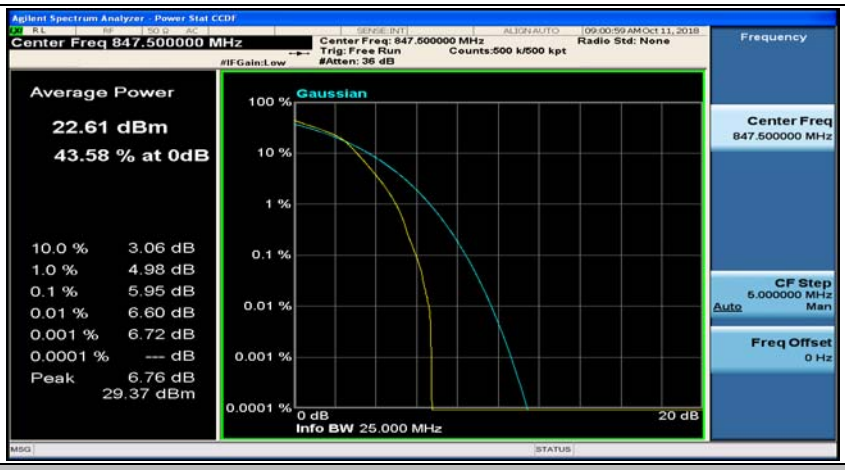
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



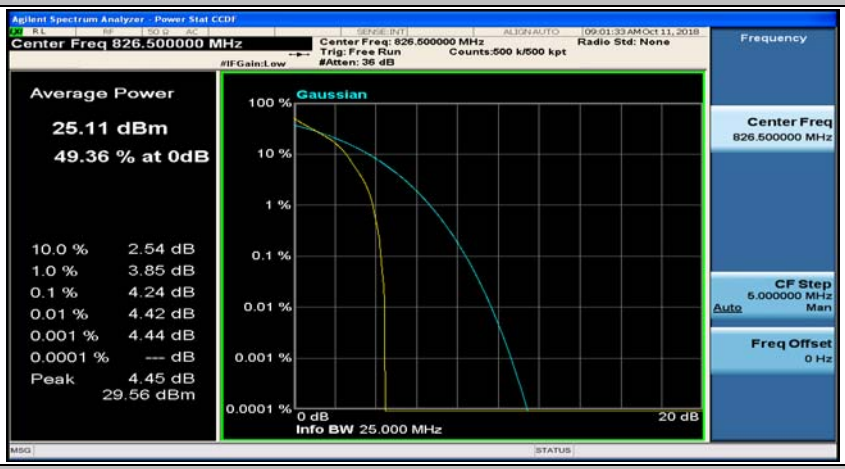
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(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_12RB#0

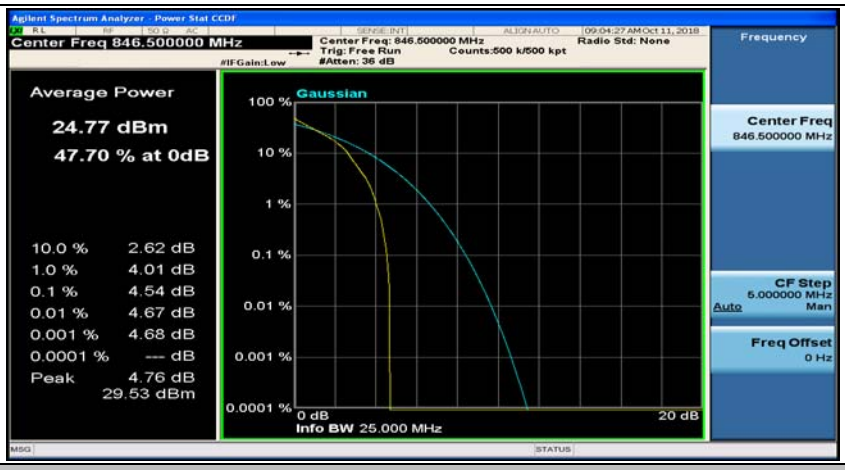
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

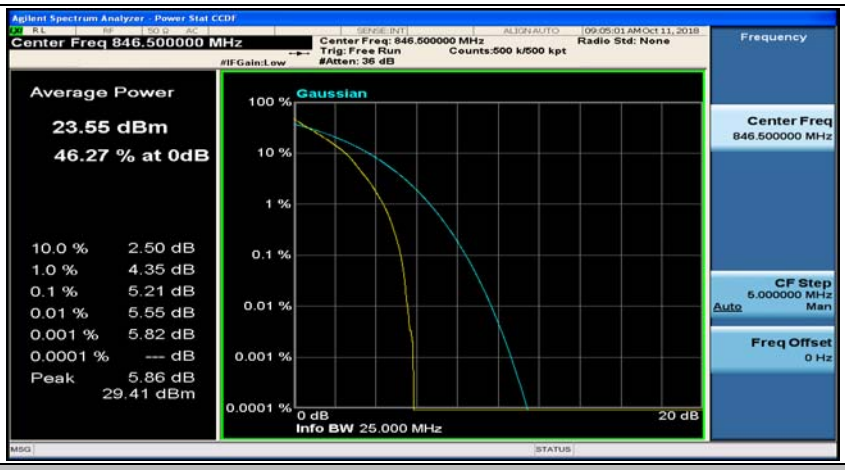
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(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

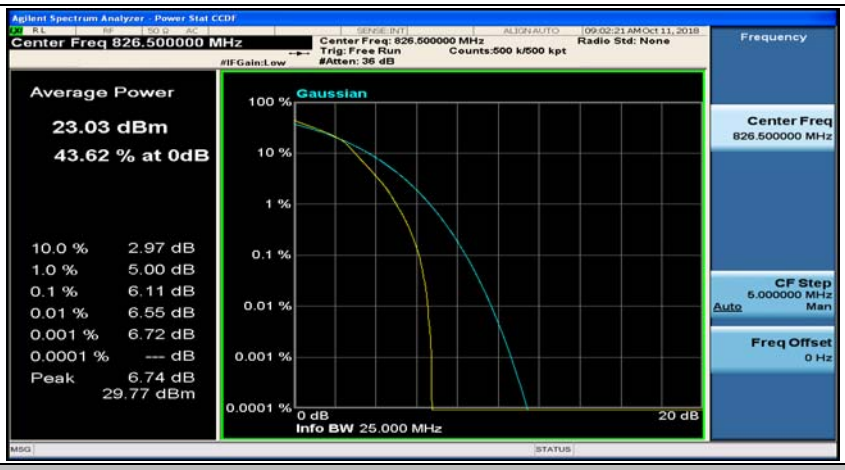
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(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

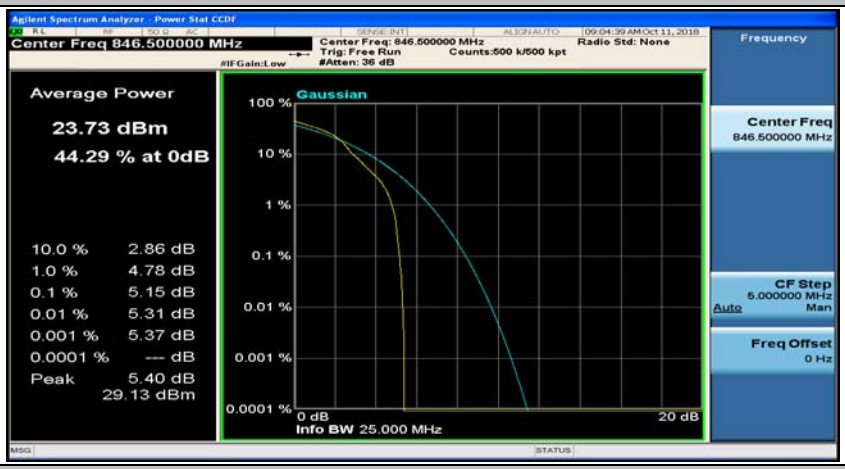
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#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