Appendix for Band 12

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	22.6	PASS
		1	3	22.62	PASS
		1	5	22.58	PASS
		3	0	22.52	PASS
		3	2	22.49	PASS
		3	3	22.47	PASS
		6	0	21.68	PASS
	MCH	1	0	22.68	PASS
		1	3	22.75	PASS
		1	5	22.66	PASS
		3	0	22.73	PASS
		3	2	22.69	PASS
		3	3	22.74	PASS
		6	0	21.32	PASS
	HCH	1	0	22.82	PASS
		1	3	22.84	PASS
		1	5	22.73	PASS
		3	0	22.83	PASS
		3	2	22.79	PASS
		3	3	22.74	PASS
		6	0	21.36	PASS
16QAM	LCH	1	0	21.32	PASS
		1	3	21.65	PASS
		1	5	21.47	PASS
		3	0	21.36	PASS
		3	2	21.47	PASS
		3	3	21.3	PASS
		6	0	20.98	PASS
	MCH	1	0	21.02	PASS
		1	3	21.32	PASS
		1	5	21.41	PASS
		3	0	21.32	PASS

		3	2	21.32	PASS
		3	3	21.32	PASS
		6	0	20.98	PASS
	HCH	1	0	20.46	PASS
		1	3	20.79	PASS
		1	5	20.79	PASS
		3	0	20.98	PASS
		3	2	20.79	PASS
		3	3	20.97	PASS
		6	0	20.94	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.4	PASS
		1	7	22.5	PASS
		1	14	22.4	PASS
		8	0	21.65	PASS
		8	4	21.68	PASS
		8	7	21.63	PASS
		15	0	21.52	PASS
	MCH	1	0	22.63	PASS
		1	7	22.73	PASS
		1	14	22.65	PASS
		8	0	21.81	PASS
		8	4	21.65	PASS
		8	7	21.66	PASS
		15	0	21.67	PASS
	HCH	1	0	22.84	PASS
		1	7	22.88	PASS
		1	14	22.71	PASS
		8	0	21.65	PASS
		8	4	21.45	PASS
		8	7	21.89	PASS
		15	0	21.78	PASS
16QAM	LCH	1	0	21.59	PASS
		1	7	21.62	PASS
		1	14	21.54	PASS
		8	0	20.89	PASS
		8	4	20.9	PASS
		8	7	20.98	PASS
		15	0	20.98	PASS

	MCH	1	0	20.65	PASS
		1	7	20.79	PASS
		1	14	20.69	PASS
		8	0	20.72	PASS
		8	4	20.7	PASS
		8	7	20.98	PASS
		15	0	20.68	PASS
	HCH	1	0	21.88	PASS
		1	7	21	PASS
		1	14	21.83	PASS
		8	0	20.81	PASS
		8	4	20.8	PASS
		8	7	20.78	PASS
		15	0	20.81	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.91	PASS
		1	12	22.6	PASS
		1	24	22.55	PASS
		12	0	21.98	PASS
		12	6	21.58	PASS
		12	13	21.57	PASS
		25	0	21.25	PASS
	MCH	1	0	22.73	PASS
		1	12	22.8	PASS
		1	24	22.75	PASS
		12	0	21.76	PASS
		12	6	21.78	PASS
		12	13	21.82	PASS
		25	0	21.98	PASS
	HCH	1	0	22.89	PASS
		1	12	22.93	PASS
		1	24	22.79	PASS
		12	0	21.85	PASS
		12	6	21.84	PASS
		12	13	21.84	PASS
		25	0	21.78	PASS
16QAM	LCH	1	0	21.72	PASS
		1	12	21.72	PASS
		1	24	21.7	PASS

		12	0	20.58	PASS
		12	6	20.55	PASS
		12	13	20.56	PASS
		25	0	20.68	PASS
	MCH	1	0	21.86	PASS
		1	12	21.98	PASS
		1	24	21.68	PASS
		12	0	20.79	PASS
		12	6	20.78	PASS
		12	13	20.88	PASS
		25	0	20.72	PASS
	HCH	1	0	21.74	PASS
		1	12	21	PASS
		1	24	21.85	PASS
		12	0	20.8	PASS
		12	6	20.73	PASS
		12	13	20.78	PASS
		25	0	20.7	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.95	PASS
		1	24	22.52	PASS
		1	49	22.63	PASS
		25	0	21.51	PASS
		25	12	21.51	PASS
		25	25	21.7	PASS
		50	0	21.83	PASS
	MCH	1	0	22.61	PASS
		1	24	22.69	PASS
		1	49	22.85	PASS
		25	0	21.67	PASS
		25	12	21.75	PASS
		25	25	21.59	PASS
		50	0	21.74	PASS
	HCH	1	0	22.73	PASS
		1	24	22.78	PASS
		1	49	22.75	PASS
		25	0	21.75	PASS
		25	12	21.76	PASS
		25	25	21.78	PASS

		50	0	21.74	PASS
16QAM	LCH	1	0	21.68	PASS
		1	24	21.72	PASS
		1	49	21.83	PASS
		25	0	20.98	PASS
		25	12	20.58	PASS
		25	25	20.69	PASS
		50	0	20.65	PASS
	MCH	1	0	21.81	PASS
		1	24	21.69	PASS
		1	49	21.35	PASS
		25	0	20.71	PASS
		25	12	20.64	PASS
		25	25	20.79	PASS
		50	0	20.65	PASS
	HCH	1	0	21.89	PASS
		1	24	21.82	PASS
		1	49	21.86	PASS
		25	0	20.74	PASS
		25	12	20.72	PASS
		25	25	20.76	PASS
		50	0	20.8	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	2.8	<13	PASS
		1	3	2.66	<13	PASS
		1	5	2.68	<13	PASS
		3	0	2.98	<13	PASS
		3	2	2.92	<13	PASS
		3	3	2.87	<13	PASS
		6	0	3.83	<13	PASS
	MCH	1	0	3.13	<13	PASS
		1	3	3.2	<13	PASS
		1	5	3.29	<13	PASS
		3	0	3.29	<13	PASS
		3	2	3.36	<13	PASS
		3	3	3.37	<13	PASS
		6	0	4.25	<13	PASS
	HCH	1	0	2.54	<13	PASS
		1	3	2.53	<13	PASS
		1	5	2.55	<13	PASS
		3	0	2.75	<13	PASS
		3	2	2.77	<13	PASS
		3	3	2.8	<13	PASS
		6	0	3.72	<13	PASS
16QAM	LCH	1	0	3.93	<13	PASS
		1	3	3.84	<13	PASS
		1	5	3.72	<13	PASS
		3	0	4	<13	PASS
		3	2	3.94	<13	PASS
		3	3	3.89	<13	PASS
		6	0	4.82	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	3	4.06	<13	PASS
		1	5	4.23	<13	PASS
		3	0	4.12	<13	PASS

		3	2	4.2	<13	PASS
		3	3	4.11	<13	PASS
		6	0	5.16	<13	PASS
	HCH	1	0	3.65	<13	PASS
		1	3	3.6	<13	PASS
		1	5	3.69	<13	PASS
		3	0	3.69	<13	PASS
		3	2	3.73	<13	PASS
		3	3	3.7	<13	PASS
		6	0	4.68	<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	2.91	<13	PASS
		1	7	2.72	<13	PASS
		1	14	2.69	<13	PASS
		8	0	3.8	<13	PASS
		8	4	3.75	<13	PASS
		8	7	3.72	<13	PASS
		15	0	3.89	<13	PASS
	MCH	1	0	3.13	<13	PASS
		1	7	3.11	<13	PASS
		1	14	3.21	<13	PASS
		8	0	4.2	<13	PASS
		8	4	4.24	<13	PASS
		8	7	4.32	<13	PASS
		15	0	4.43	<13	PASS
	HCH	1	0	2.41	<13	PASS
		1	7	2.48	<13	PASS
		1	14	2.69	<13	PASS
		8	0	3.47	<13	PASS
		8	4	3.61	<13	PASS
		8	7	3.69	<13	PASS
		15	0	3.72	<13	PASS
16QAM	LCH	1	0	3.83	<13	PASS
		1	7	3.74	<13	PASS
		1	14	3.66	<13	PASS
		8	0	4.72	<13	PASS
		8	4	4.68	<13	PASS

		8	7	4.64	<13	PASS
		15	0	4.94	<13	PASS
	MCH	1	0	4.13	<13	PASS
		1	7	4.15	<13	PASS
		1	14	4.15	<13	PASS
		8	0	5.05	<13	PASS
		8	4	5.12	<13	PASS
		8	7	5.2	<13	PASS
		15	0	5.29	<13	PASS
	HCH	1	0	3.42	<13	PASS
		1	7	3.5	<13	PASS
		1	14	3.67	<13	PASS
		8	0	4.5	<13	PASS
		8	4	4.62	<13	PASS
		8	7	4.67	<13	PASS
		15	0	4.68	<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	2.91	<13	PASS
		1	12	2.66	<13	PASS
		1	24	2.98	<13	PASS
		12	0	3.84	<13	PASS
		12	6	3.74	<13	PASS
		12	13	3.86	<13	PASS
		25	0	4	<13	PASS
	MCH	1	0	3.08	<13	PASS
		1	12	3.22	<13	PASS
		1	24	3.02	<13	PASS
		12	0	4.22	<13	PASS
		12	6	4.28	<13	PASS
		12	13	4.23	<13	PASS
		25	0	4.37	<13	PASS
	HCH	1	0	2.62	<13	PASS
		1	12	2.36	<13	PASS
		1	24	2.64	<13	PASS
		12	0	3.58	<13	PASS
		12	6	3.62	<13	PASS
		12	13	3.81	<13	PASS

		25	0	3.96	<13	PASS
16QAM	LCH	1	0	3.8	<13	PASS
		1	12	3.72	<13	PASS
		1	24	3.89	<13	PASS
		12	0	4.78	<13	PASS
		12	6	4.75	<13	PASS
		12	13	4.81	<13	PASS
		25	0	4.89	<13	PASS
	MCH	1	0	4.15	<13	PASS
		1	12	4.21	<13	PASS
		1	24	4.06	<13	PASS
		12	0	5.11	<13	PASS
		12	6	5.18	<13	PASS
		12	13	5.15	<13	PASS
		25	0	5.33	<13	PASS
	HCH	1	0	3.43	<13	PASS
		1	12	3.3	<13	PASS
		1	24	3.69	<13	PASS
		12	0	4.53	<13	PASS
		12	6	4.53	<13	PASS
		12	13	4.7	<13	PASS
		25	0	4.8	<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	2.81	<13	PASS
		1	24	2.85	<13	PASS
		1	49	3.28	<13	PASS
		25	0	3.95	<13	PASS
		25	12	4.04	<13	PASS
		25	25	4.36	<13	PASS
		50	0	4.37	<13	PASS
	MCH	1	0	2.64	<13	PASS
		1	24	3.12	<13	PASS
		1	49	2.38	<13	PASS
		25	0	4.17	<13	PASS
		25	12	4.38	<13	PASS
		25	25	4.09	<13	PASS
		50	0	4.33	<13	PASS

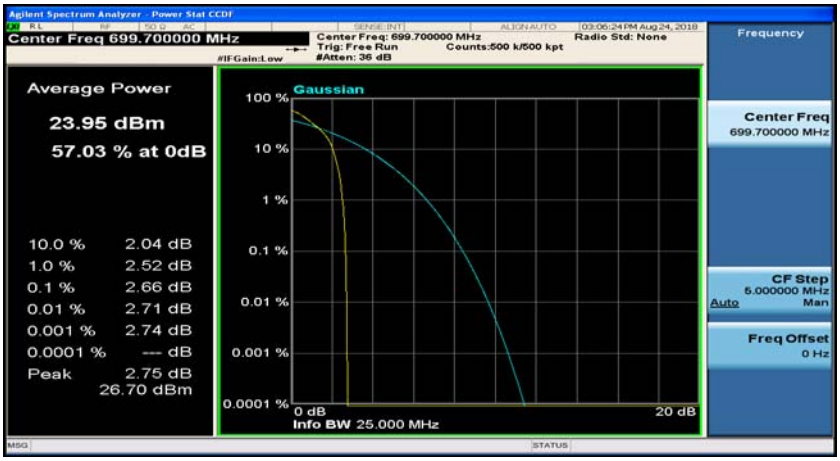
	HCH	1	0	3.06	<13	PASS
		1	24	2.65	<13	PASS
		1	49	2.6	<13	PASS
		25	0	4.2	<13	PASS
		25	12	3.94	<13	PASS
		25	25	3.91	<13	PASS
		50	0	4.29	<13	PASS
16QAM	LCH	1	0	3.74	<13	PASS
		1	24	3.75	<13	PASS
		1	49	4.17	<13	PASS
		25	0	4.9	<13	PASS
		25	12	4.98	<13	PASS
		25	25	5.23	<13	PASS
		50	0	5.21	<13	PASS
	MCH	1	0	3.69	<13	PASS
		1	24	4.03	<13	PASS
		1	49	3.49	<13	PASS
		25	0	5.09	<13	PASS
		25	12	5.3	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.23	<13	PASS
	HCH	1	0	4.07	<13	PASS
		1	24	3.77	<13	PASS
		1	49	3.63	<13	PASS
		25	0	5.18	<13	PASS
		25	12	4.91	<13	PASS
		25	25	4.82	<13	PASS
		50	0	5.2	<13	PASS

Test Graphs

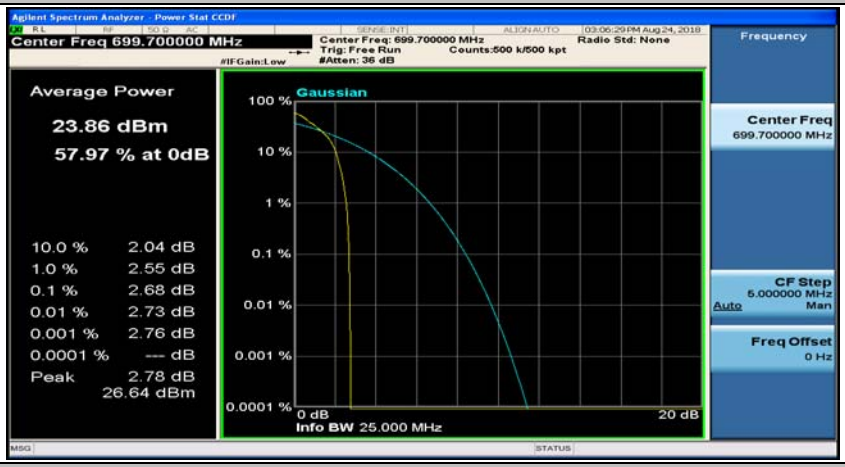
Channel Bandwidth: 1.4 MHz

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

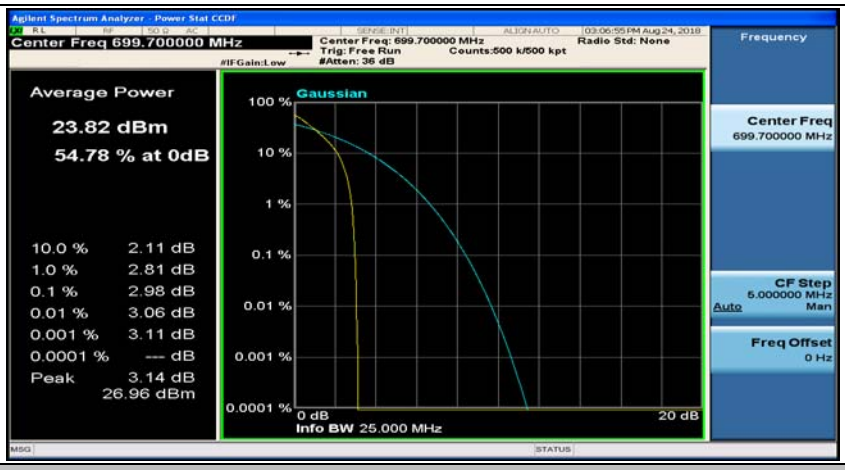
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



(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

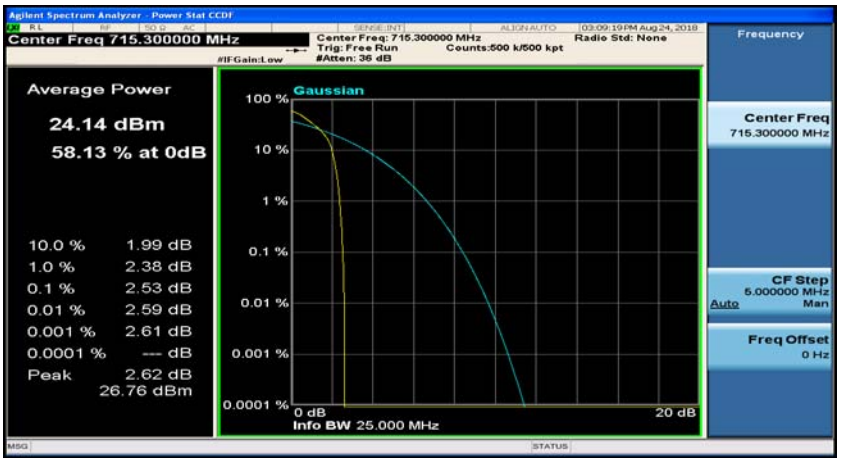
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

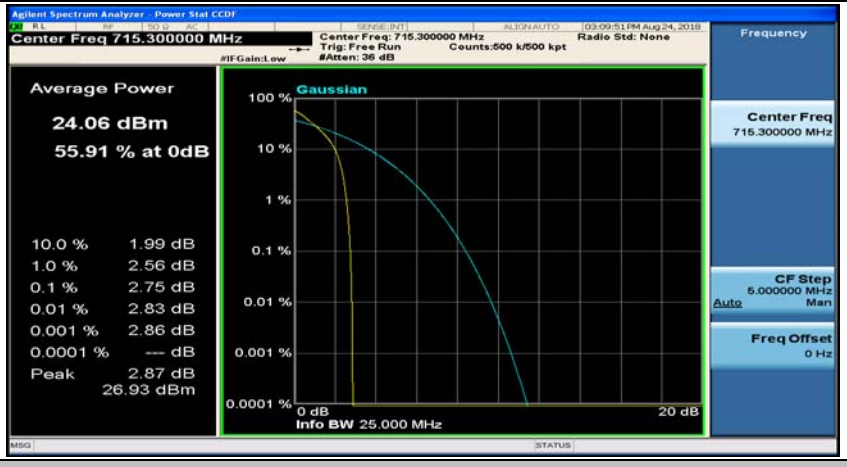
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

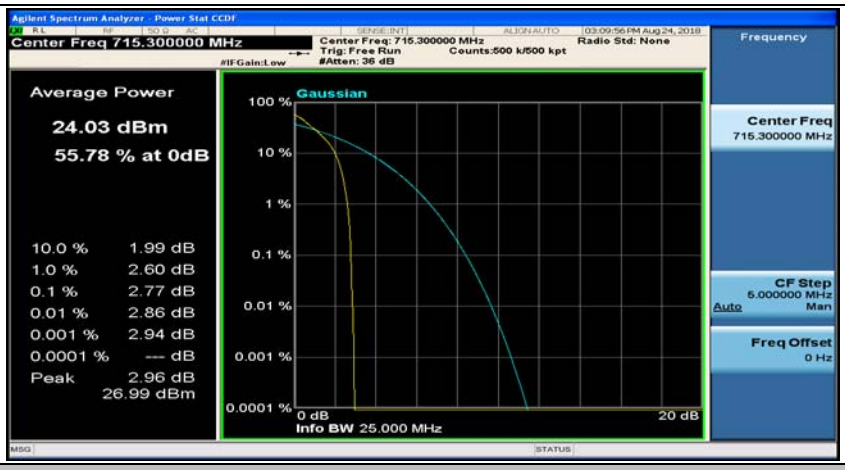


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

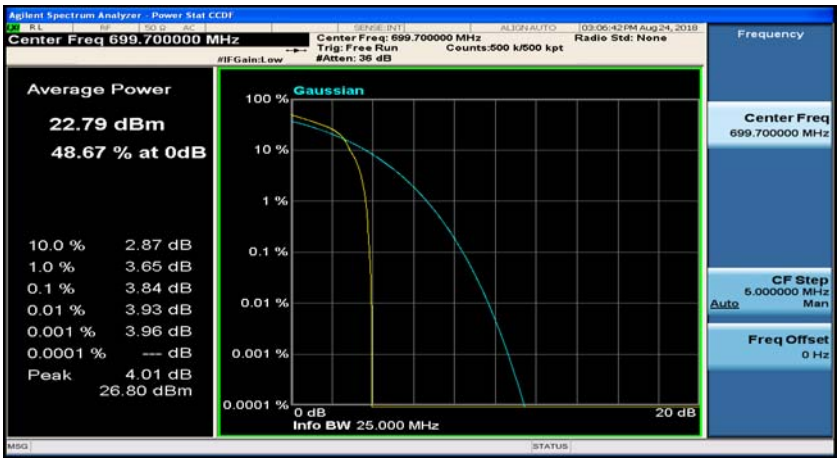


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

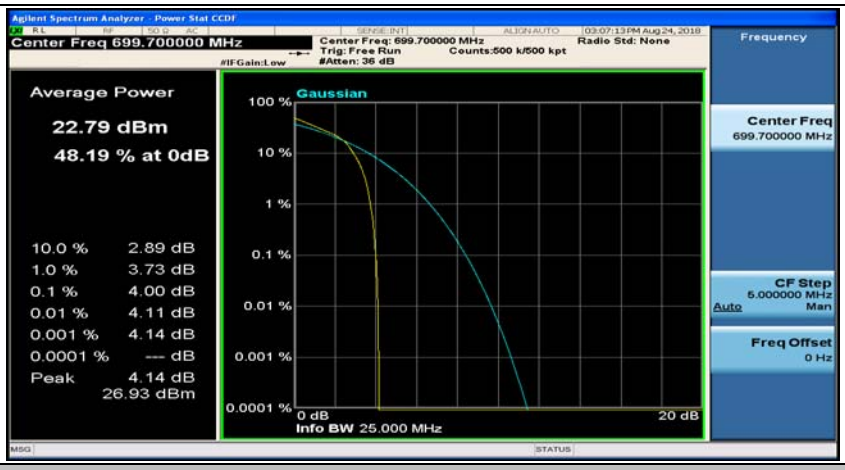
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

(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



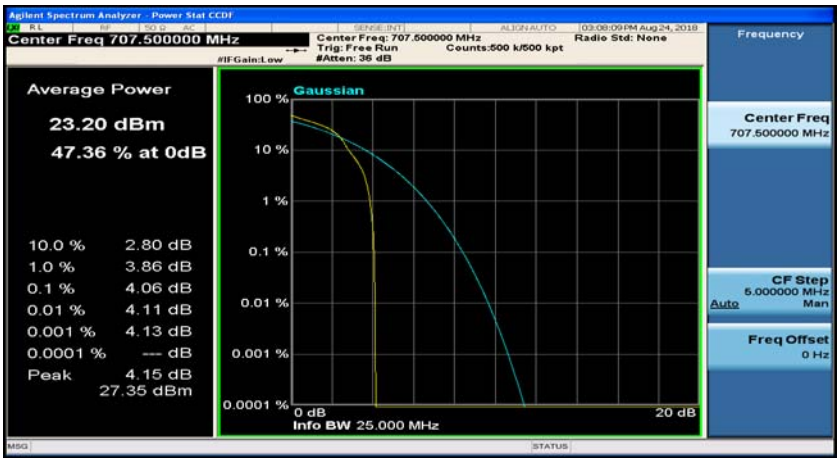
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(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

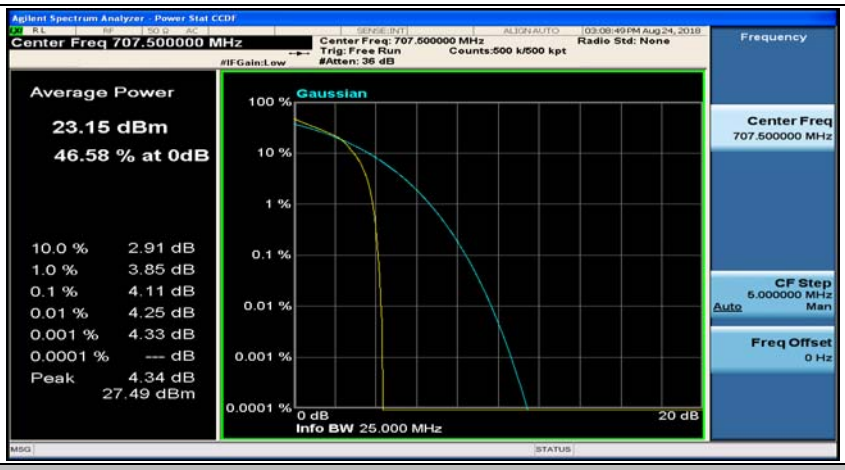


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

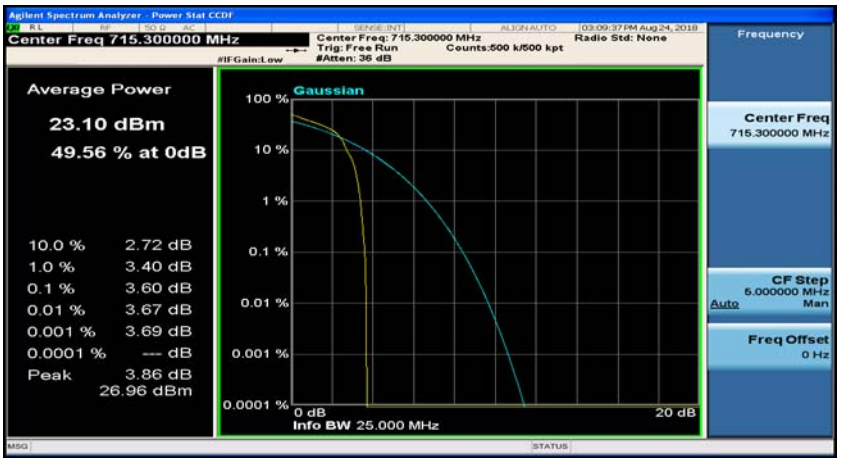
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(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

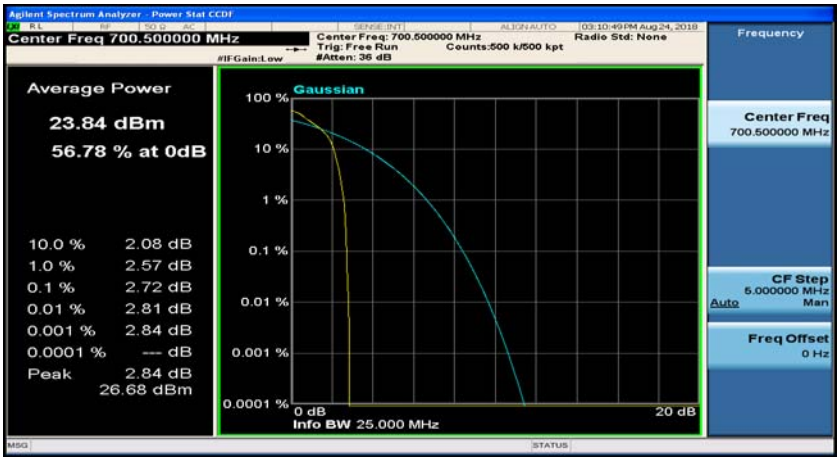
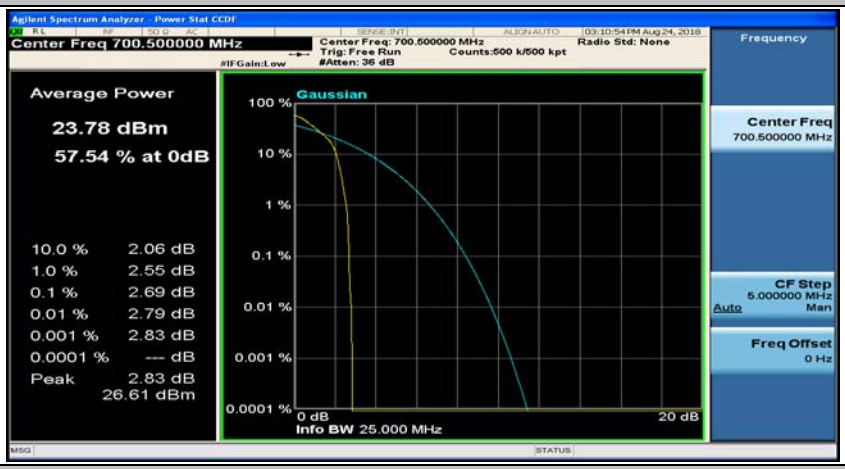
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(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

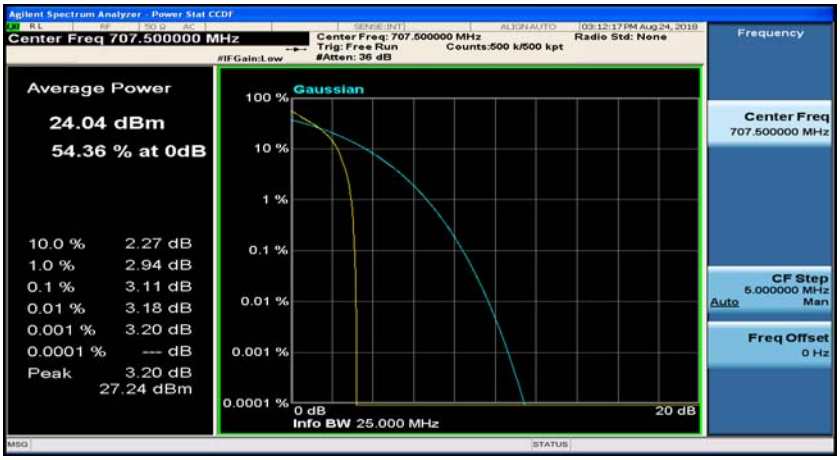
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(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

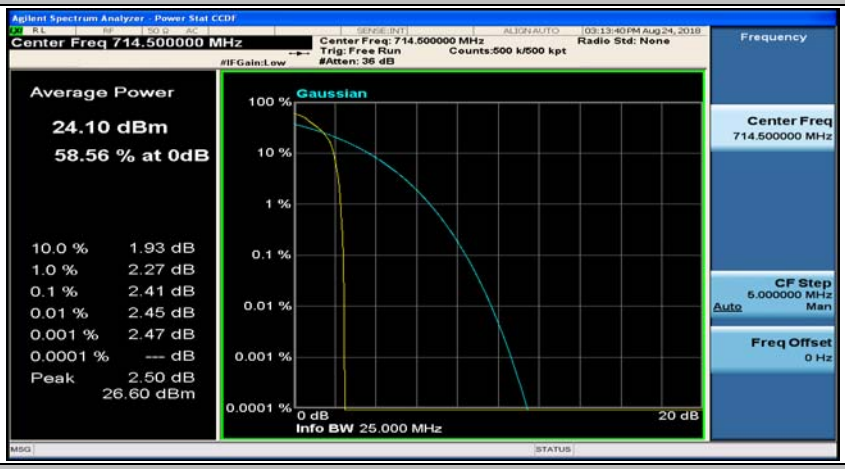
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

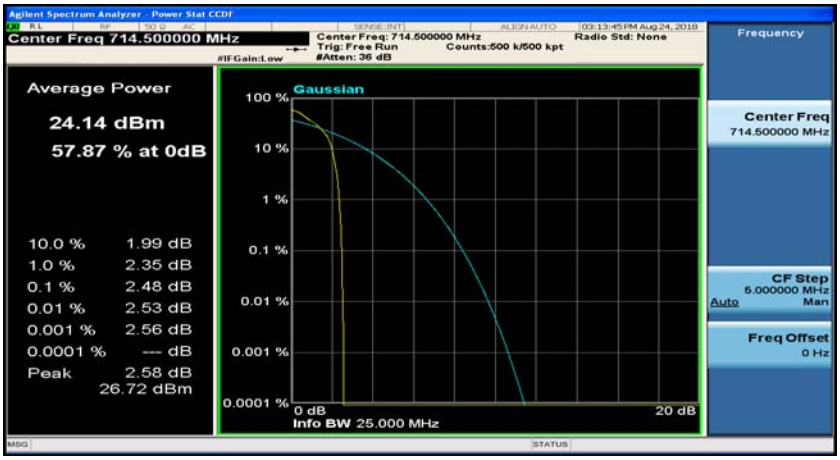
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

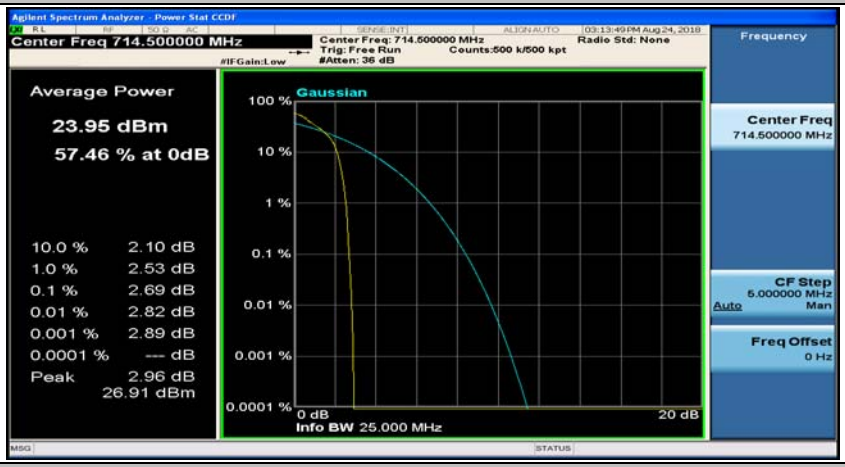
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(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

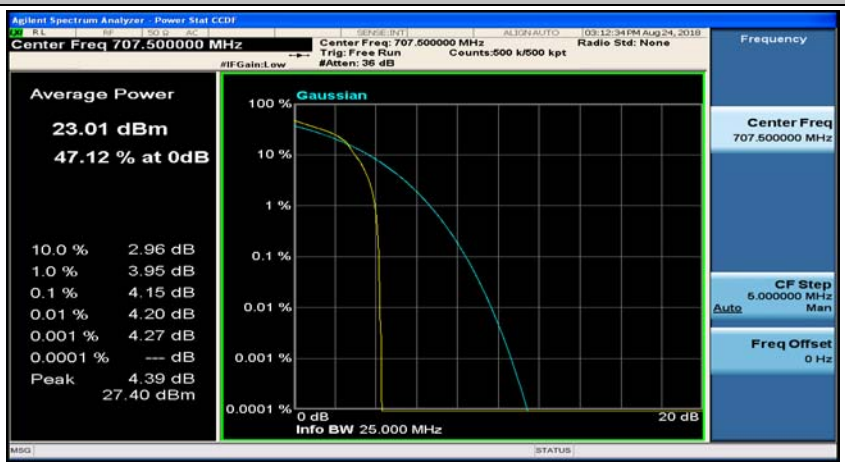
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

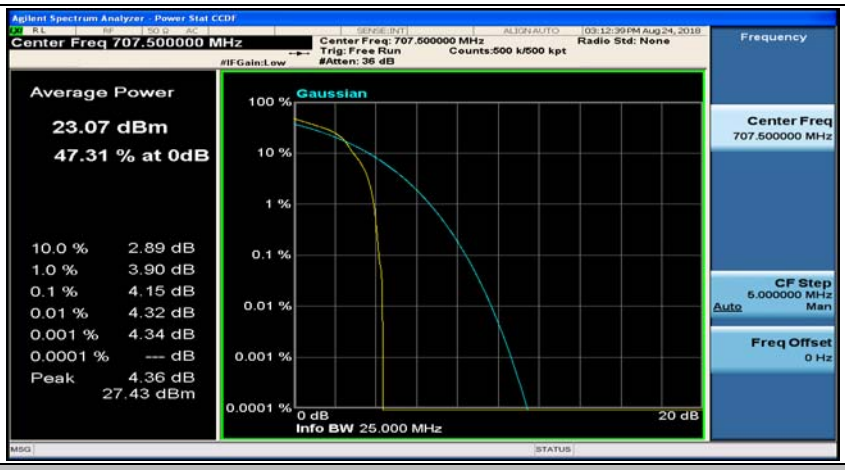
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(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

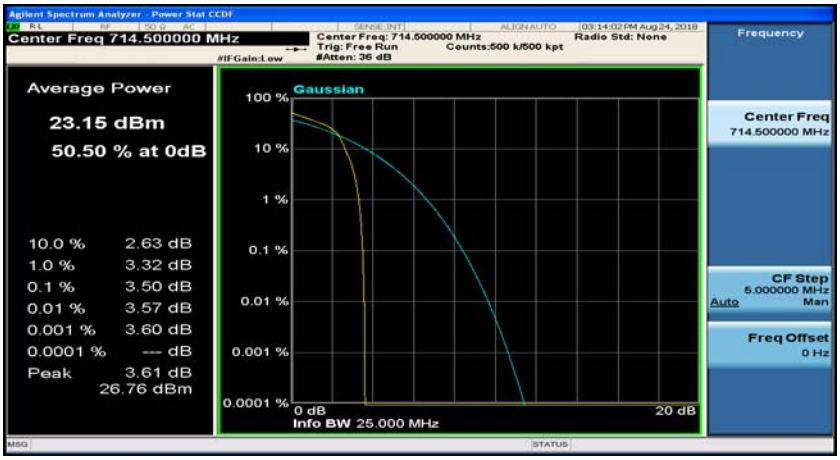
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

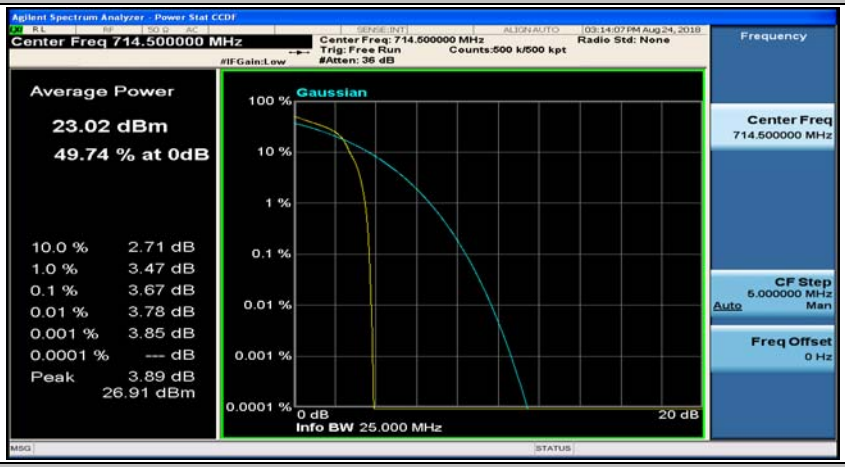
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

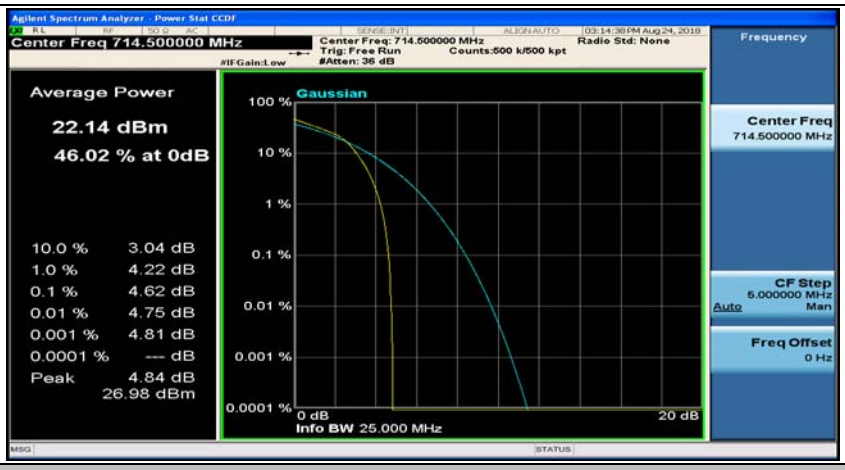


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



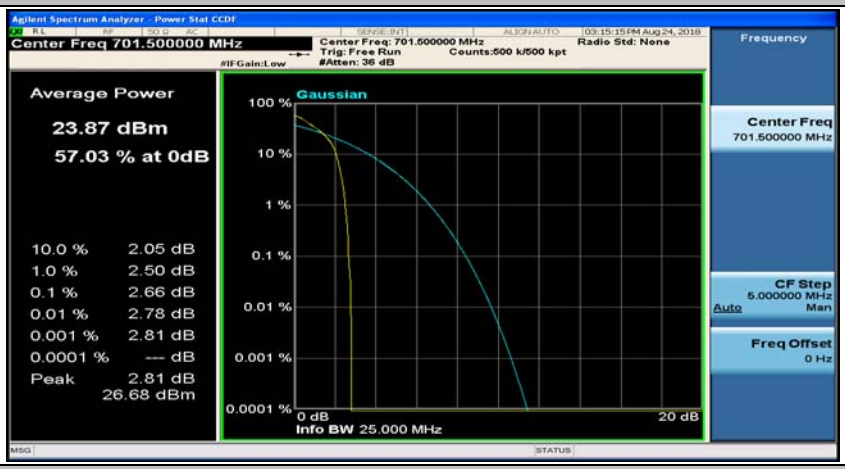
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

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

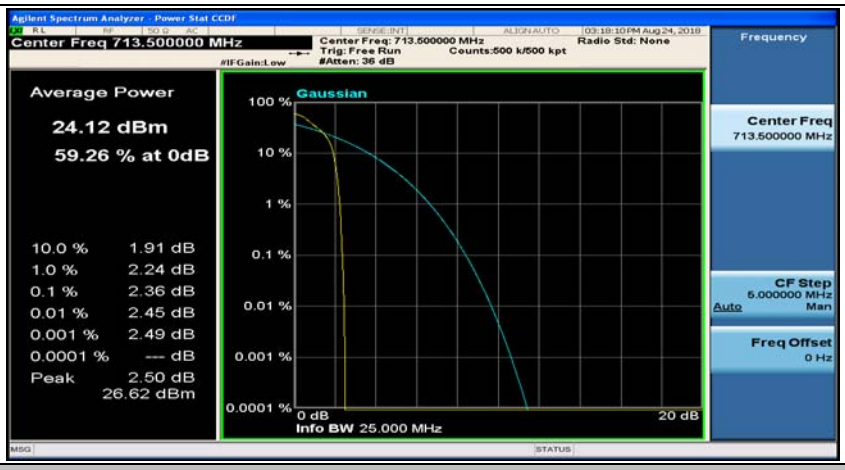
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(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#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