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	23.38	PASS
		1	3	23.44	PASS
		1	5	23.43	PASS
		3	0	22.65	PASS
		3	2	22.65	PASS
		3	3	22.61	PASS
		6	0	22.32	PASS
	MCH	1	0	23.47	PASS
		1	3	23.15	PASS
		1	5	23.14	PASS
		3	0	23.01	PASS
		3	2	23.11	PASS
		3	3	23.14	PASS
		6	0	22.48	PASS
	HCH	1	0	23.2	PASS
		1	3	23.46	PASS
		1	5	23.01	PASS
		3	0	22.21	PASS
		3	2	22.39	PASS
		3	3	22.24	PASS
		6	0	22.23	PASS
16QAM	LCH	1	0	21.65	PASS
		1	3	22.31	PASS
		1	5	22.22	PASS
		3	0	22.05	PASS
		3	2	22.02	PASS
		3	3	22.17	PASS
		6	0	21.05	PASS
	MCH	1	0	22.49	PASS
		1	3	22.47	PASS
		1	5	22.46	PASS
		3	0	22.04	PASS

		3	2	22.15	PASS
		3	3	22.17	PASS
		6	0	20.65	PASS
	HCH	1	0	22.12	PASS
		1	3	22.08	PASS
		1	5	22.31	PASS
		3	0	21.91	PASS
		3	2	22.09	PASS
		3	3	22.03	PASS
		6	0	21.08	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.25	PASS
		1	7	23.41	PASS
		1	14	23.35	PASS
		8	0	22.32	PASS
		8	4	22.41	PASS
		8	7	22.25	PASS
		15	0	22.32	PASS
	MCH	1	0	23.45	PASS
		1	7	23.02	PASS
		1	14	23.11	PASS
		8	0	22.38	PASS
		8	4	22.21	PASS
		8	7	22.01	PASS
		15	0	22.41	PASS
	HCH	1	0	23.32	PASS
		1	7	23.21	PASS
		1	14	23.42	PASS
		8	0	22.26	PASS
		8	4	22.45	PASS
		8	7	22.49	PASS
		15	0	22.26	PASS
16QAM	LCH	1	0	22.35	PASS
		1	7	22.42	PASS
		1	14	22.2	PASS
		8	0	21.05	PASS
		8	4	21.11	PASS
		8	7	21.24	PASS
		15	0	21.11	PASS

	MCH	1	0	21.98	PASS
		1	7	22.36	PASS
		1	14	22.14	PASS
		8	0	21.26	PASS
		8	4	21.08	PASS
		8	7	21.25	PASS
		15	0	21.35	PASS
	HCH	1	0	22.18	PASS
		1	7	22.3	PASS
		1	14	22.43	PASS
		8	0	21.15	PASS
		8	4	21.32	PASS
		8	7	21.23	PASS
		15	0	21.28	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.42	PASS
		1	12	23.1	PASS
		1	24	23.23	PASS
		12	0	21.65	PASS
		12	6	22.05	PASS
		12	13	22.33	PASS
		25	0	21.65	PASS
	MCH	1	0	23.39	PASS
		1	12	23.14	PASS
		1	24	23.01	PASS
		12	0	22.52	PASS
		12	6	22.7	PASS
		12	13	22.54	PASS
		25	0	22.45	PASS
	HCH	1	0	23.38	PASS
		1	12	23.21	PASS
		1	24	23.47	PASS
		12	0	22.31	PASS
		12	6	22.26	PASS
		12	13	22.38	PASS
		25	0	22.22	PASS
16QAM	LCH	1	0	22.54	PASS
		1	12	21.87	PASS
		1	24	21.7	PASS

		12	0	21.63	PASS
		12	6	21.37	PASS
		12	13	21.34	PASS
		25	0	21.74	PASS
	MCH	1	0	22.07	PASS
		1	12	22.94	PASS
		1	24	22.41	PASS
		12	0	21.3	PASS
		12	6	21.7	PASS
		12	13	21.55	PASS
		25	0	21.52	PASS
	HCH	1	0	22.22	PASS
		1	12	21.67	PASS
		1	24	22.15	PASS
		12	0	21.31	PASS
		12	6	21.22	PASS
		12	13	21.24	PASS
		25	0	21.38	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.39	PASS
		1	24	23.34	PASS
		1	49	23.98	PASS
		25	0	22.56	PASS
		25	12	22.38	PASS
		25	25	22.66	PASS
		50	0	22.54	PASS
	MCH	1	0	23.38	PASS
		1	24	24.18	PASS
		1	49	22.97	PASS
		25	0	22.54	PASS
		25	12	23.28	PASS
		25	25	22.6	PASS
		50	0	22.45	PASS
	HCH	1	0	23.5	PASS
		1	24	23.91	PASS
		1	49	23.05	PASS
		25	0	22.57	PASS
		25	12	22.47	PASS
		25	25	22.14	PASS

		50	0	22.48	PASS
16QAM	LCH	1	0	22.62	PASS
		1	24	22.32	PASS
		1	49	23.17	PASS
		25	0	21.34	PASS
		25	12	21.37	PASS
		25	25	21.58	PASS
		50	0	21.41	PASS
	MCH	1	0	22.82	PASS
		1	24	23.14	PASS
		1	49	22.22	PASS
		25	0	21.35	PASS
		25	12	21.7	PASS
		25	25	21.48	PASS
		50	0	21.48	PASS
	HCH	1	0	22.19	PASS
		1	24	22.58	PASS
		1	49	21.58	PASS
		25	0	21.53	PASS
		25	12	21.36	PASS
		25	25	21.15	PASS
		50	0	21.5	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	4.4	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.46	<13	PASS
		3	0	4.58	<13	PASS
		3	2	4.54	<13	PASS
		3	3	4.59	<13	PASS
		6	0	5.06	<13	PASS
	MCH	1	0	4.67	<13	PASS
		1	3	4.37	<13	PASS
		1	5	4.53	<13	PASS
		3	0	4.76	<13	PASS
		3	2	4.63	<13	PASS
		3	3	4.73	<13	PASS
		6	0	5.09	<13	PASS
	HCH	1	0	4.38	<13	PASS
		1	3	4.24	<13	PASS
		1	5	4.34	<13	PASS
		3	0	4.52	<13	PASS
		3	2	4.49	<13	PASS
		3	3	4.55	<13	PASS
		6	0	5.01	<13	PASS
16QAM	LCH	1	0	5.28	<13	PASS
		1	3	5.23	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.56	<13	PASS
		3	2	5.46	<13	PASS
		3	3	5.58	<13	PASS
		6	0	5.97	<13	PASS
	MCH	1	0	5.39	<13	PASS
		1	3	5.3	<13	PASS
		1	5	5.36	<13	PASS
		3	0	5.55	<13	PASS

		3	2	5.5	<13	PASS
		3	3	5.57	<13	PASS
		6	0	6.07	<13	PASS
	HCH	1	0	5.22	<13	PASS
		1	3	5.19	<13	PASS
		1	5	5.25	<13	PASS
		3	0	5.55	<13	PASS
		3	2	5.48	<13	PASS
		3	3	5.6	<13	PASS
		6	0	5.96	<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	4.45	<13	PASS
		1	7	4.34	<13	PASS
		1	14	4.45	<13	PASS
		8	0	4.81	<13	PASS
		8	4	4.75	<13	PASS
		8	7	4.84	<13	PASS
		15	0	5.14	<13	PASS
	MCH	1	0	4.48	<13	PASS
		1	7	4.44	<13	PASS
		1	14	4.54	<13	PASS
		8	0	4.9	<13	PASS
		8	4	4.86	<13	PASS
		8	7	4.94	<13	PASS
		15	0	5.17	<13	PASS
	HCH	1	0	4.37	<13	PASS
		1	7	4.19	<13	PASS
		1	14	4.4	<13	PASS
		8	0	4.73	<13	PASS
		8	4	4.71	<13	PASS
		8	7	4.82	<13	PASS
		15	0	5.07	<13	PASS
16QAM	LCH	1	0	5.12	<13	PASS
		1	7	5.11	<13	PASS
		1	14	5.36	<13	PASS
		8	0	5.79	<13	PASS
		8	4	5.73	<13	PASS

		8	7	5.79	<13	PASS
		15	0	6.07	<13	PASS
	MCH	1	0	5.36	<13	PASS
		1	7	5.35	<13	PASS
		1	14	5.39	<13	PASS
		8	0	5.82	<13	PASS
		8	4	5.78	<13	PASS
		8	7	5.88	<13	PASS
		15	0	6.04	<13	PASS
	HCH	1	0	5.18	<13	PASS
		1	7	5.03	<13	PASS
		1	14	5.34	<13	PASS
		8	0	5.66	<13	PASS
		8	4	5.58	<13	PASS
		8	7	5.79	<13	PASS
		15	0	5.91	<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	4.41	<13	PASS
		1	12	4.34	<13	PASS
		1	24	4.39	<13	PASS
		12	0	4.78	<13	PASS
		12	6	4.71	<13	PASS
		12	13	4.77	<13	PASS
		25	0	5.08	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	12	4.35	<13	PASS
		1	24	4.44	<13	PASS
		12	0	4.79	<13	PASS
		12	6	4.73	<13	PASS
		12	13	4.83	<13	PASS
		25	0	5.08	<13	PASS
	HCH	1	0	4.48	<13	PASS
		1	12	4.22	<13	PASS
		1	24	4.38	<13	PASS
		12	0	4.71	<13	PASS
		12	6	4.59	<13	PASS
		12	13	4.8	<13	PASS

		25	0	5.19	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	12	5.2	<13	PASS
		1	24	5.24	<13	PASS
		12	0	5.74	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.71	<13	PASS
		25	0	5.9	<13	PASS
	MCH	1	0	5.3	<13	PASS
		1	12	5.33	<13	PASS
		1	24	5.43	<13	PASS
		12	0	5.76	<13	PASS
		12	6	5.7	<13	PASS
		12	13	5.75	<13	PASS
		25	0	6	<13	PASS
	HCH	1	0	5.14	<13	PASS
		1	12	5.01	<13	PASS
		1	24	5.22	<13	PASS
		12	0	5.7	<13	PASS
		12	6	5.52	<13	PASS
		12	13	5.65	<13	PASS
		25	0	5.98	<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	4.35	<13	PASS
		1	24	4.32	<13	PASS
		1	49	4.42	<13	PASS
		25	0	4.81	<13	PASS
		25	12	4.68	<13	PASS
		25	25	4.79	<13	PASS
		50	0	5.02	<13	PASS
	MCH	1	0	4.28	<13	PASS
		1	24	4.38	<13	PASS
		1	49	4.33	<13	PASS
		25	0	4.78	<13	PASS
		25	12	4.73	<13	PASS
		25	25	4.76	<13	PASS
		50	0	5.05	<13	PASS

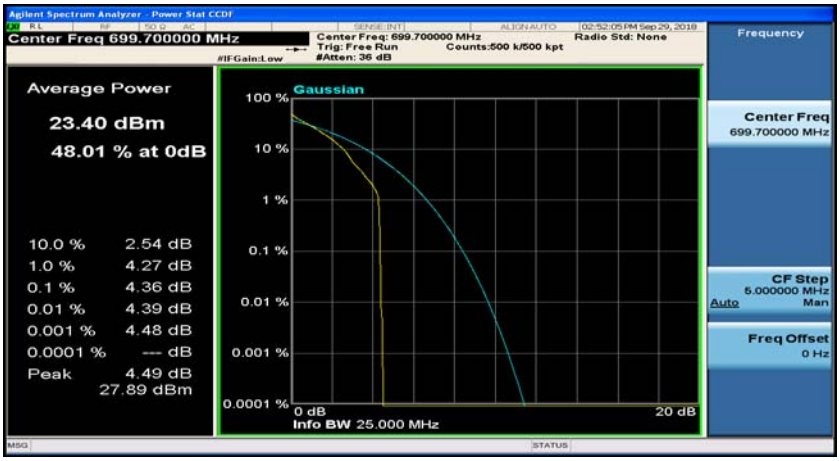
	HCH	1	0	4.39	<13	PASS
		1	24	4.28	<13	PASS
		1	49	4.34	<13	PASS
		25	0	4.8	<13	PASS
		25	12	4.69	<13	PASS
		25	25	4.83	<13	PASS
		50	0	5.24	<13	PASS
16QAM	LCH	1	0	5.16	<13	PASS
		1	24	5.06	<13	PASS
		1	49	5.24	<13	PASS
		25	0	5.76	<13	PASS
		25	12	5.65	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.87	<13	PASS
	MCH	1	0	5.16	<13	PASS
		1	24	5.22	<13	PASS
		1	49	5.21	<13	PASS
		25	0	5.73	<13	PASS
		25	12	5.7	<13	PASS
		25	25	5.78	<13	PASS
		50	0	5.93	<13	PASS
	HCH	1	0	5.41	<13	PASS
		1	24	5.25	<13	PASS
		1	49	5.41	<13	PASS
		25	0	5.76	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.73	<13	PASS
		50	0	6.09	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

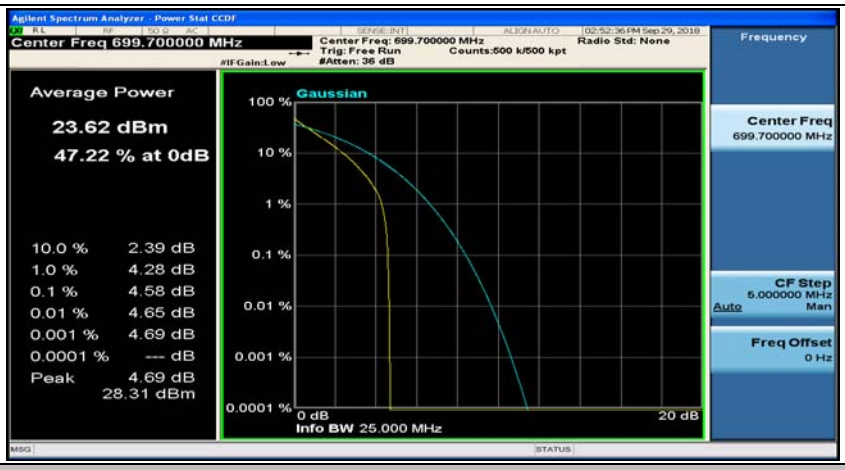
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

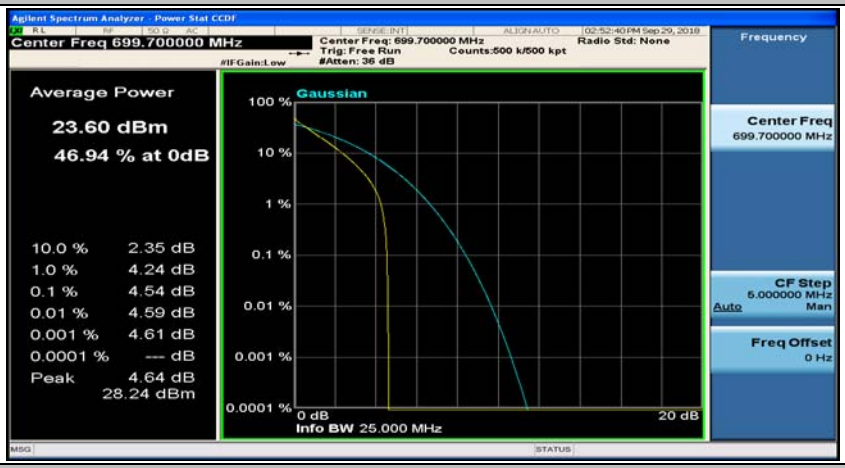


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

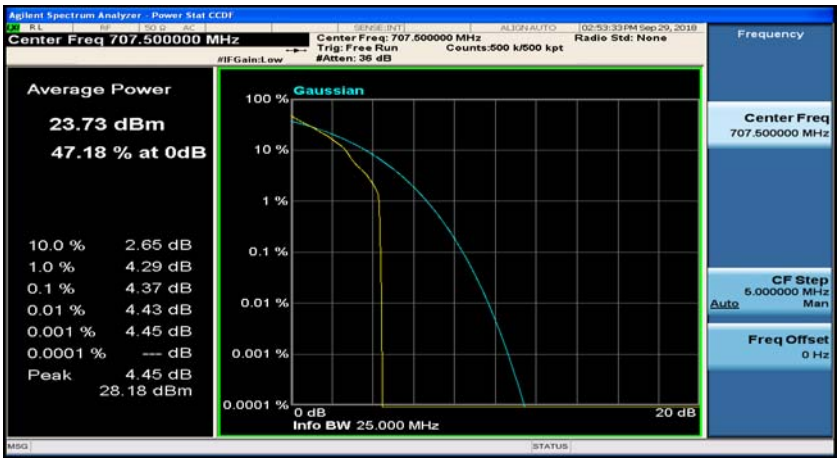


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

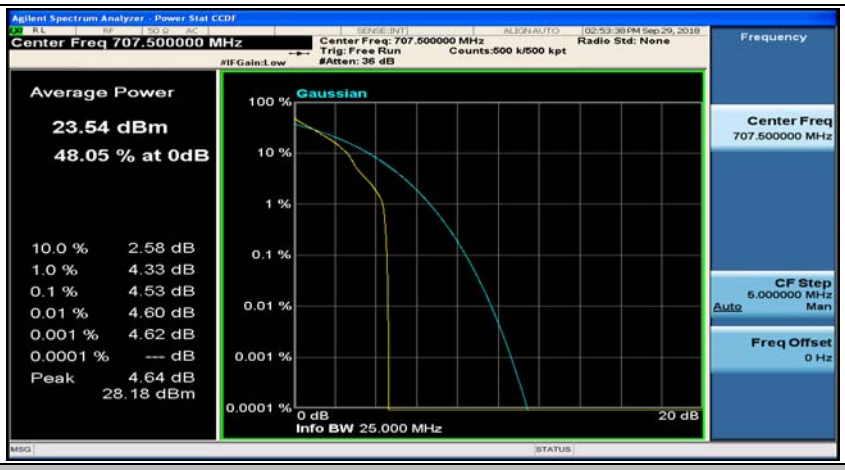
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(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

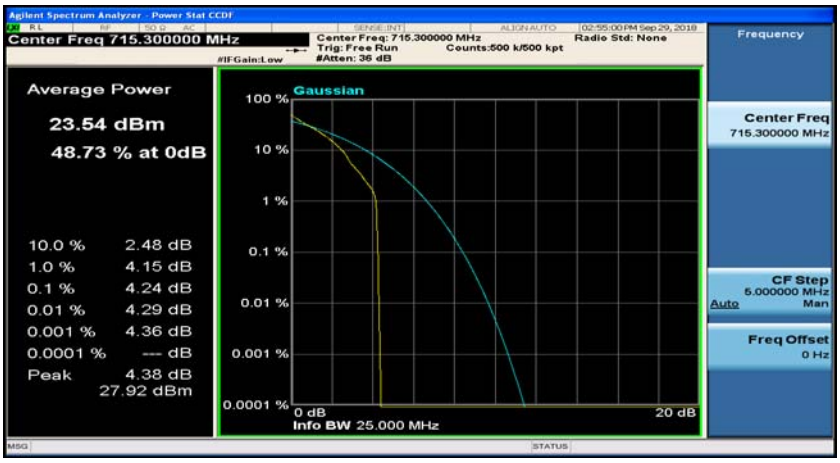
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

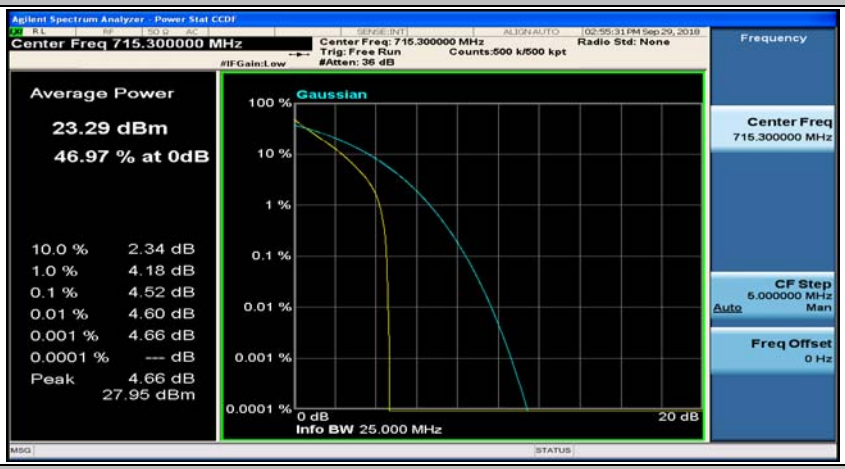
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

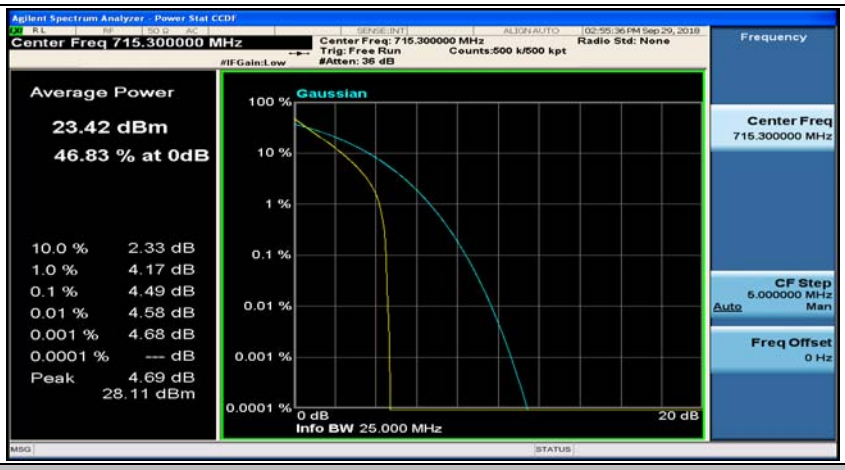


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

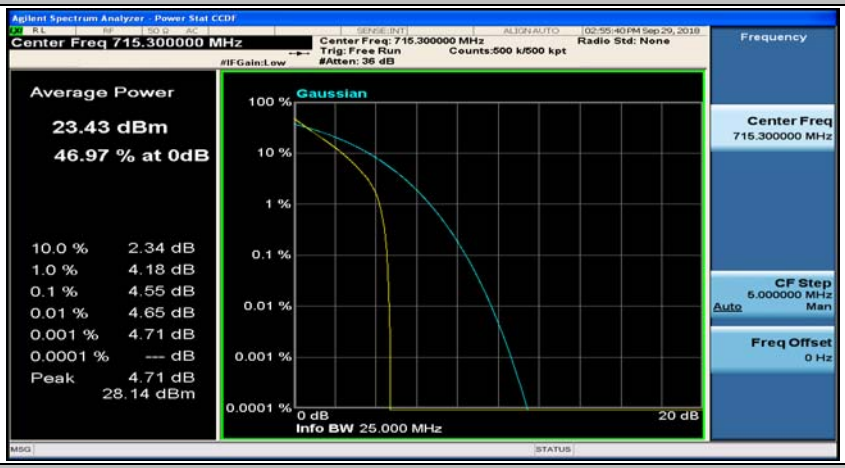
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



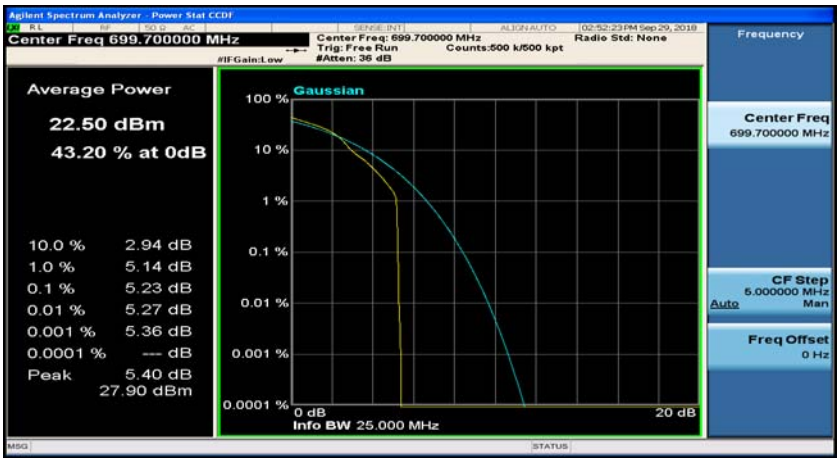
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

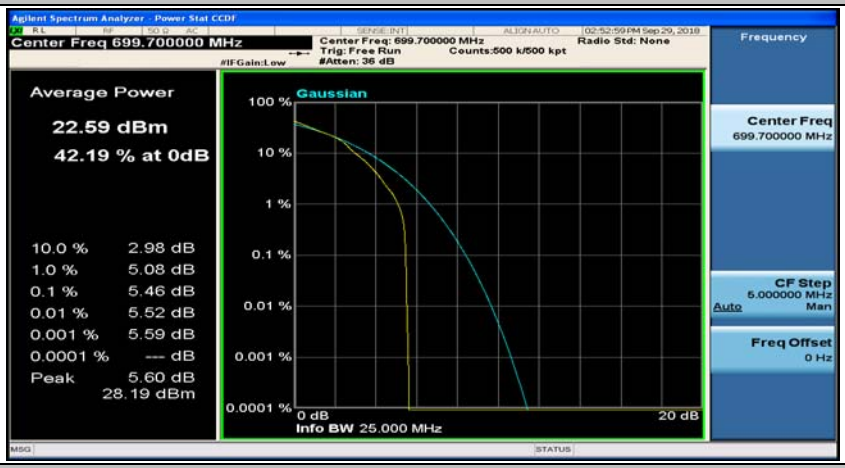
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0

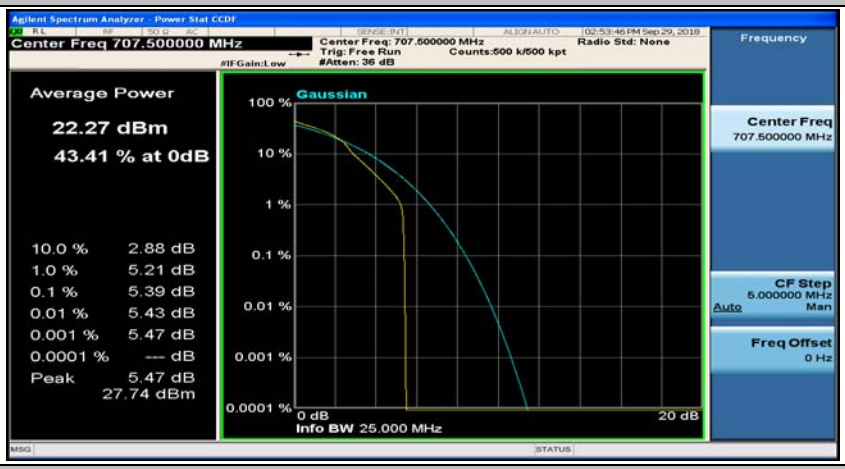
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



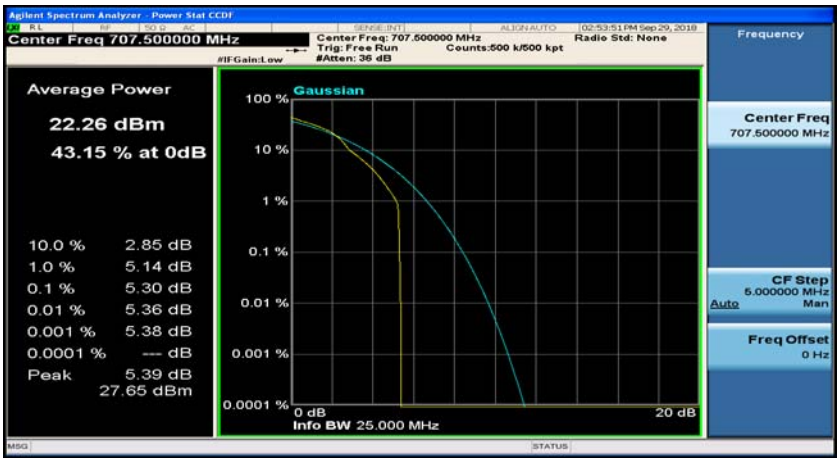
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(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

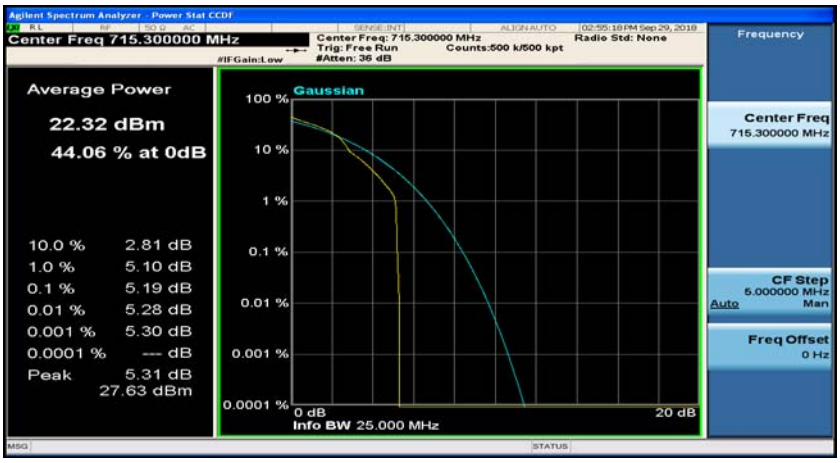
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

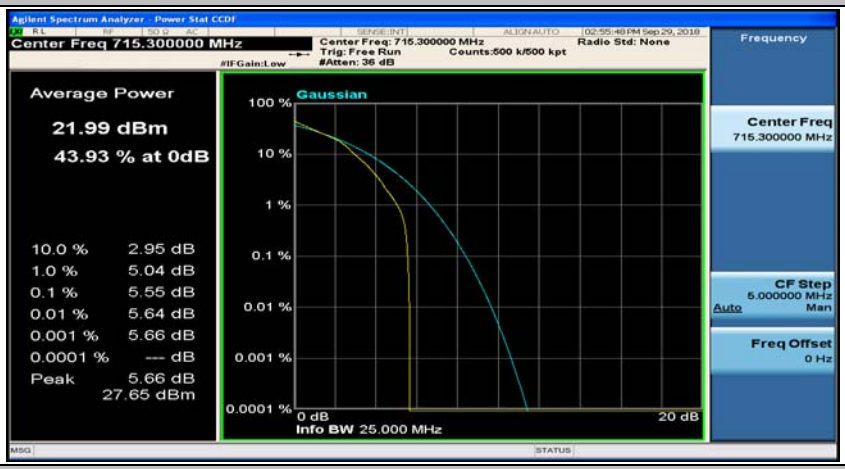
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

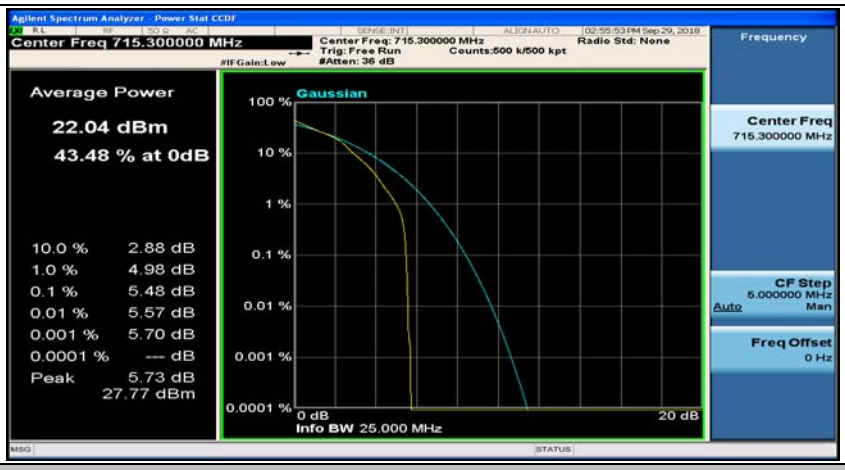


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



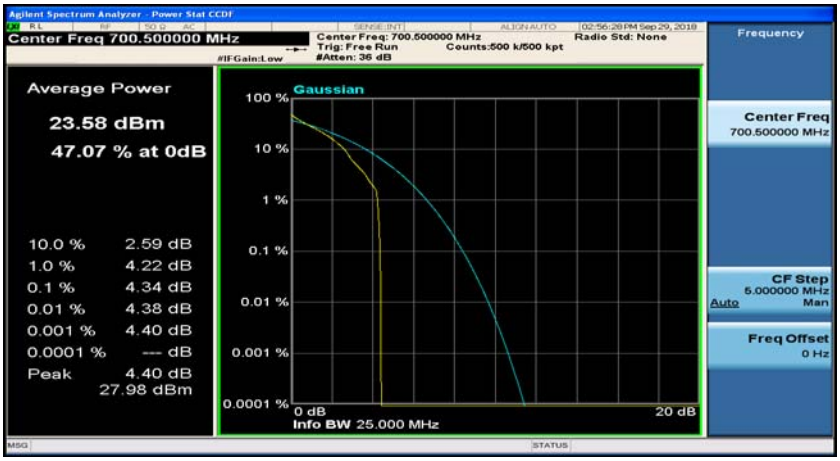
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

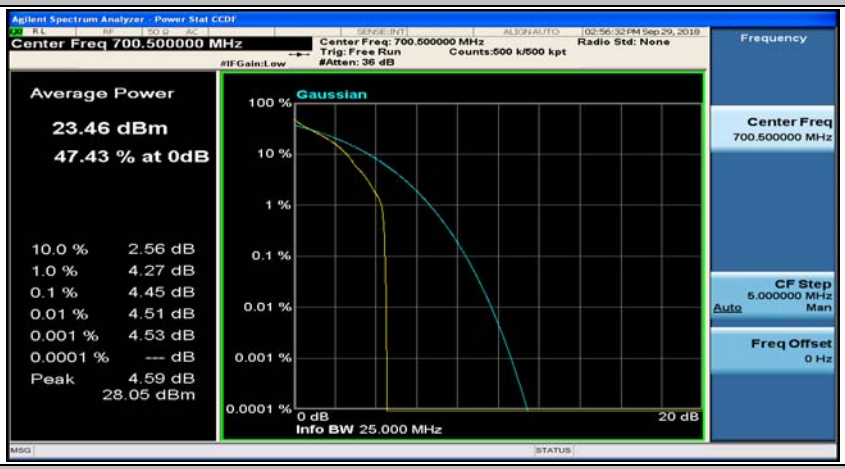
Channel Bandwidth: 3 MHz

(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

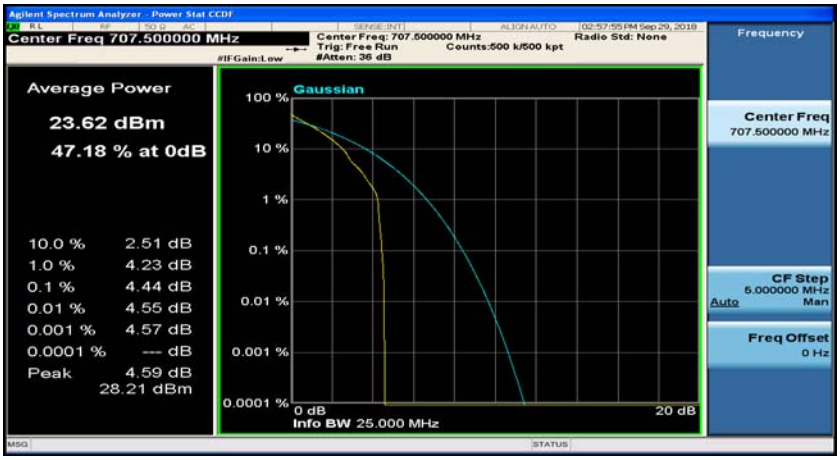
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

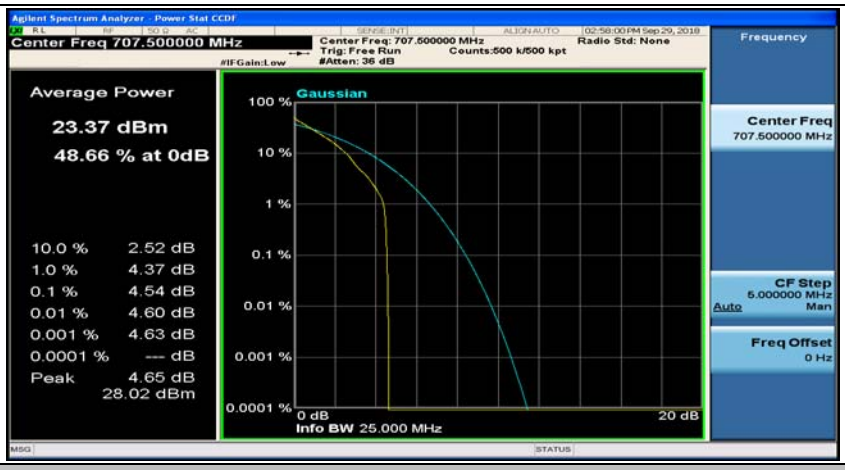
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(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

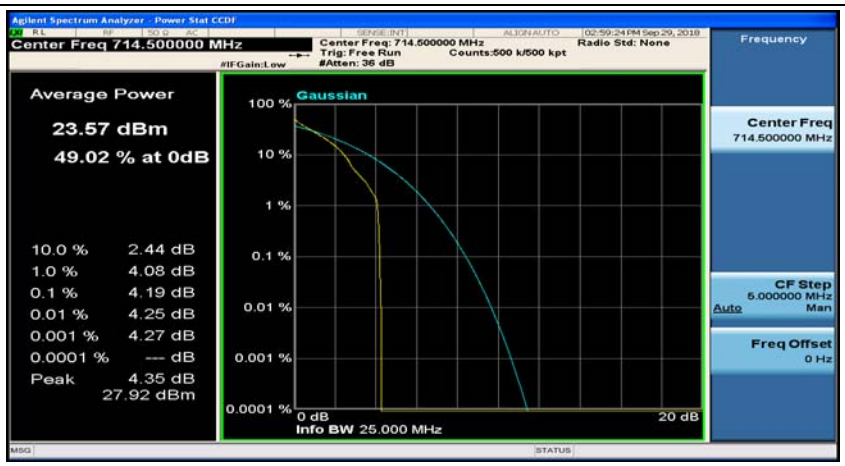
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

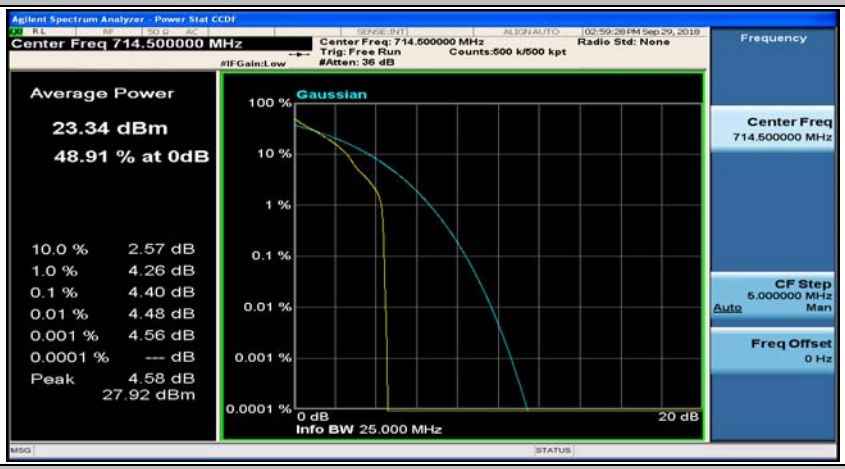
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(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

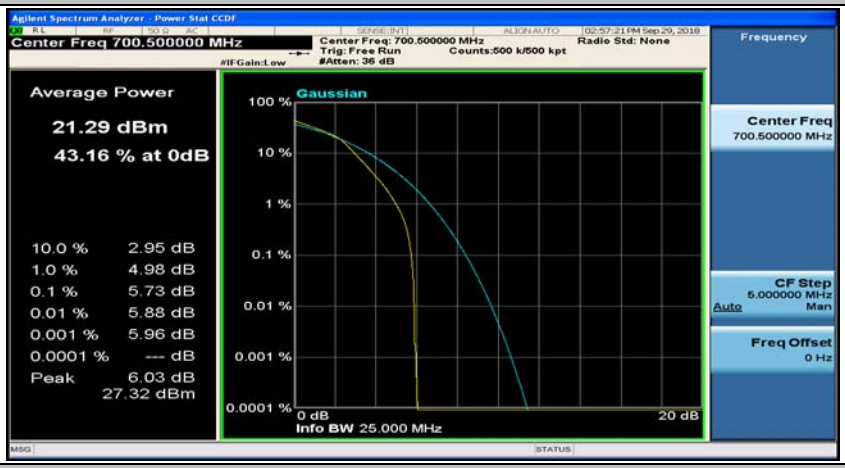
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

(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

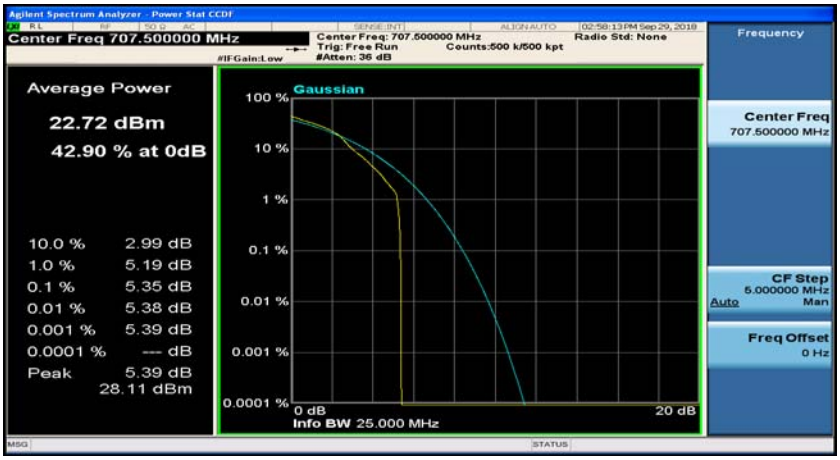


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

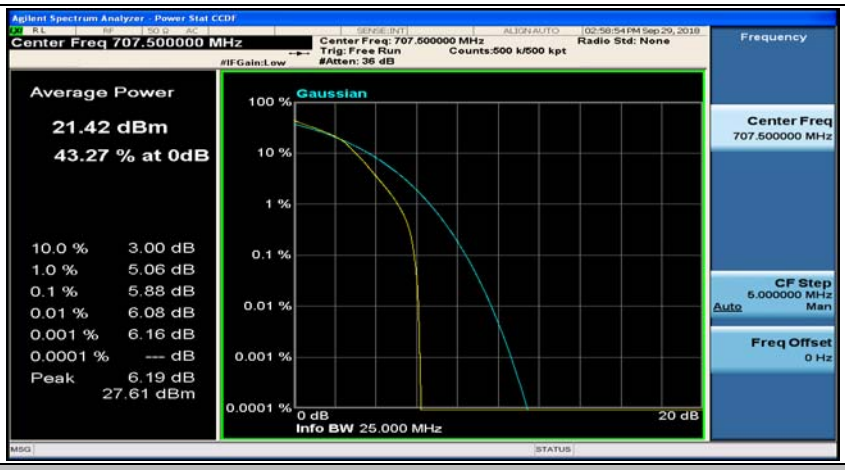


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

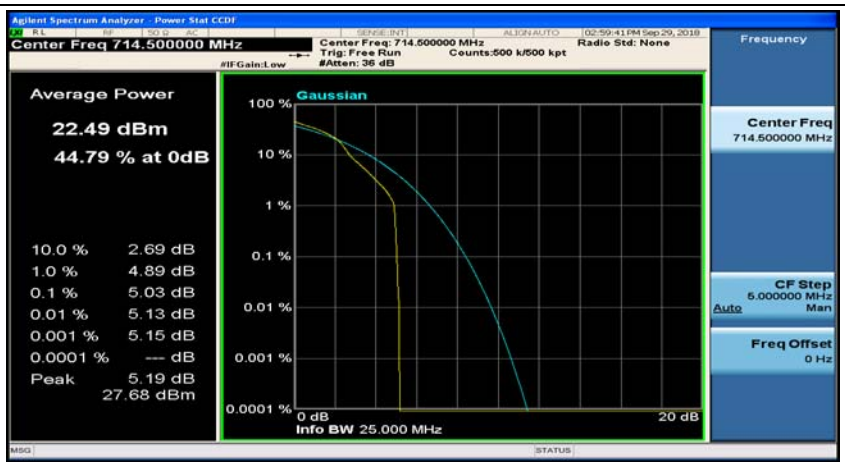
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



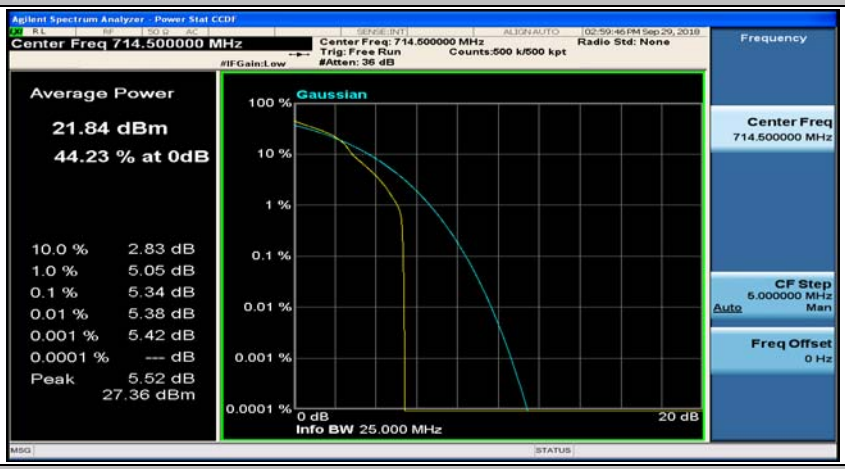
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

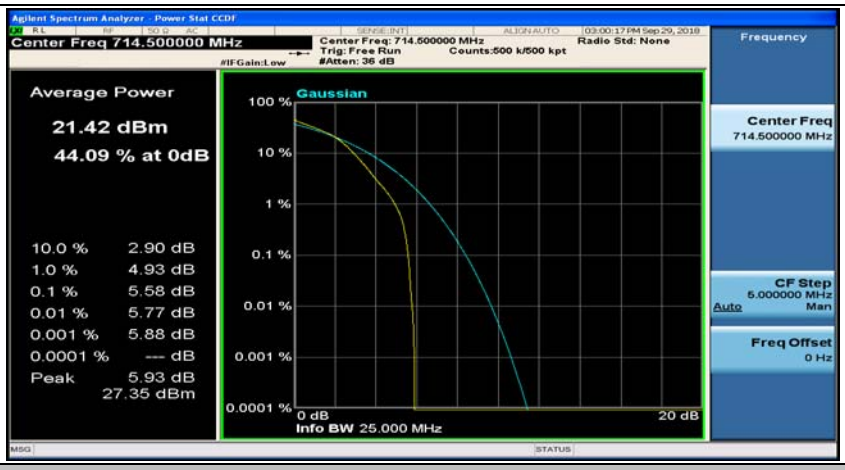


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

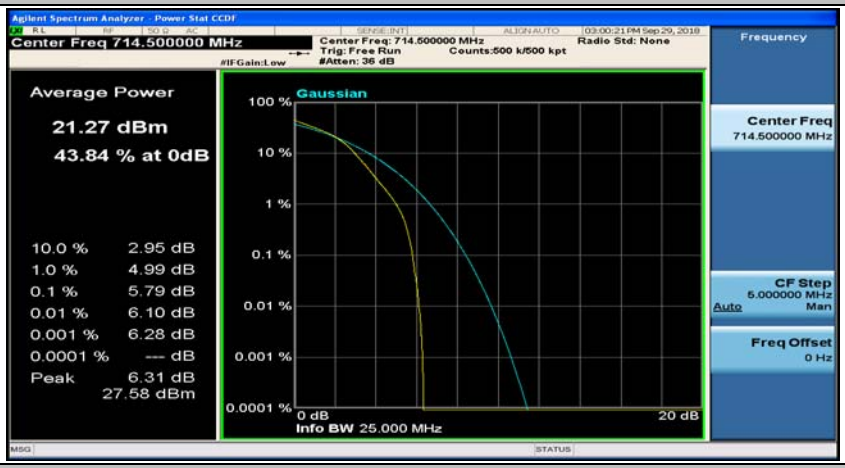


(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

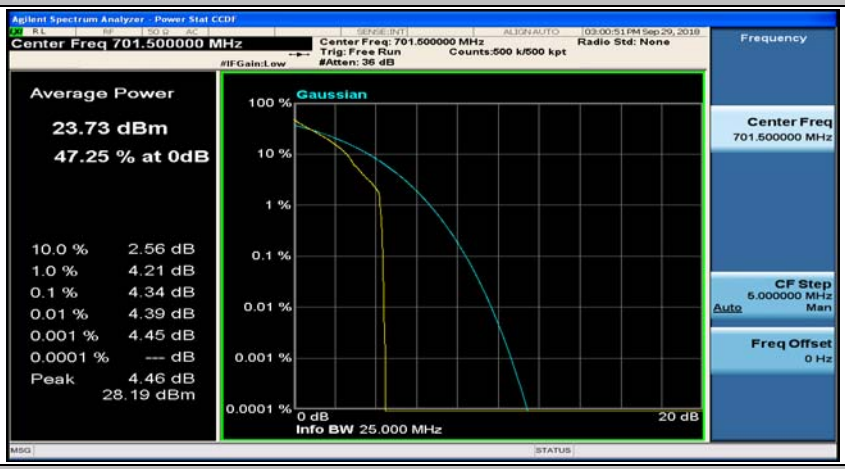


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

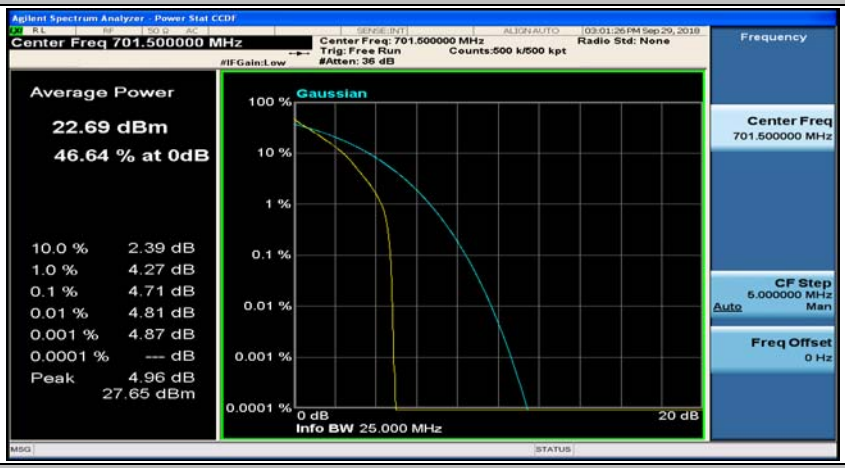
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



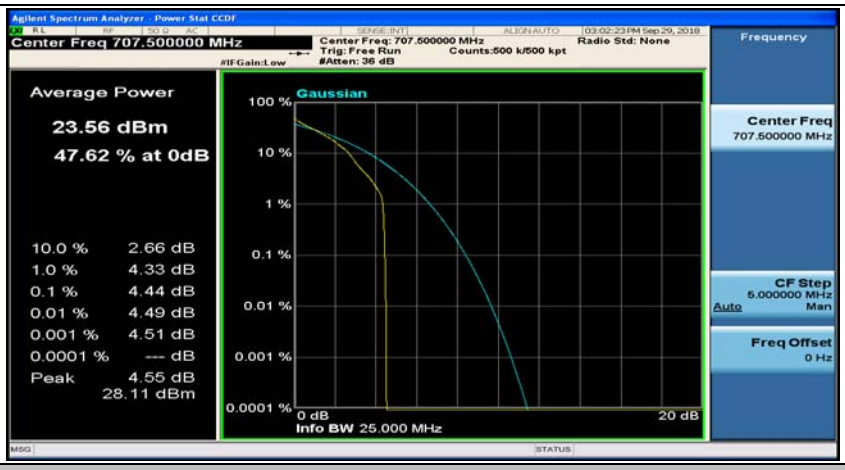
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(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

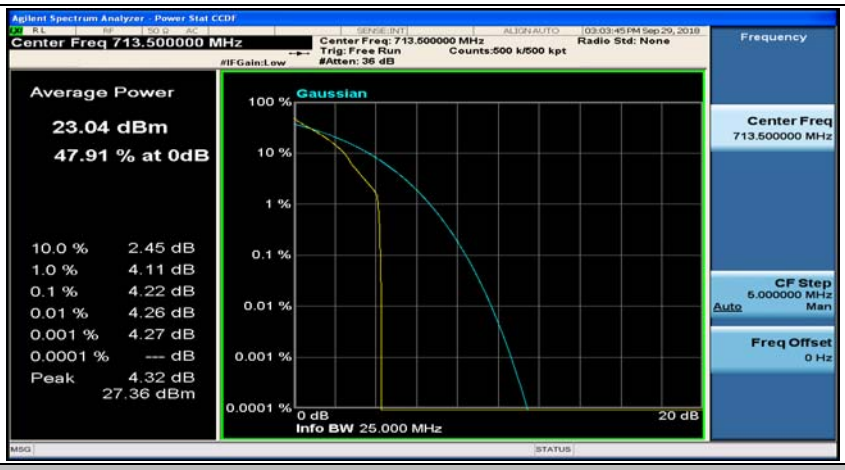
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

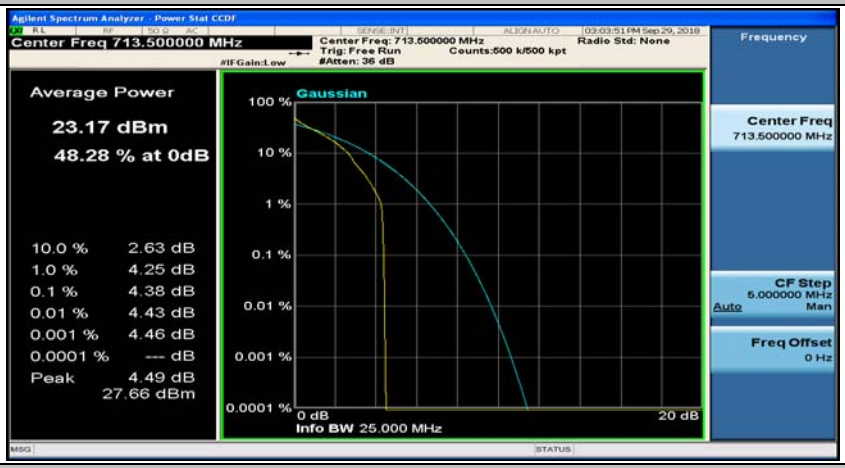
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

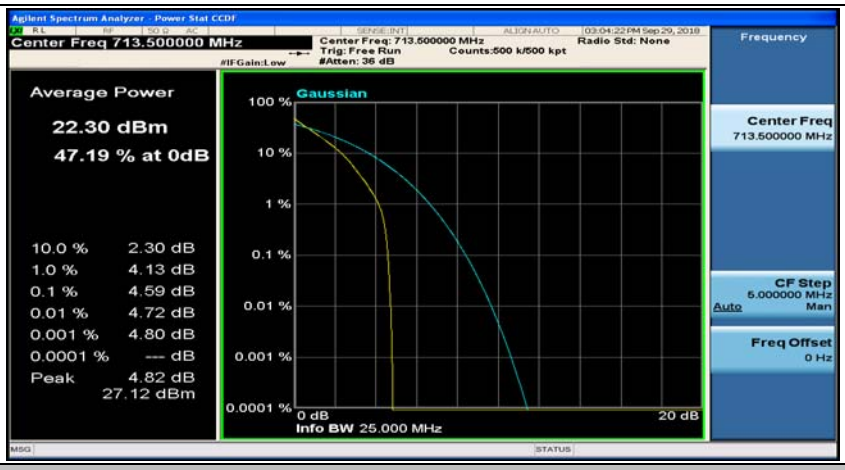


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

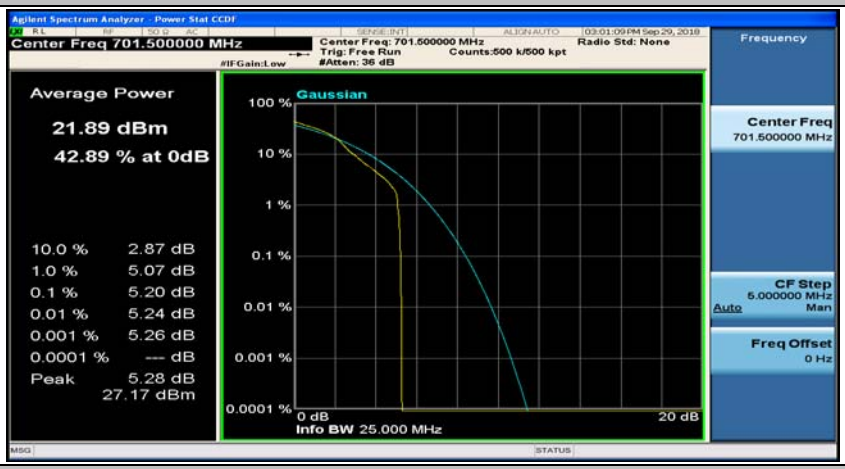


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

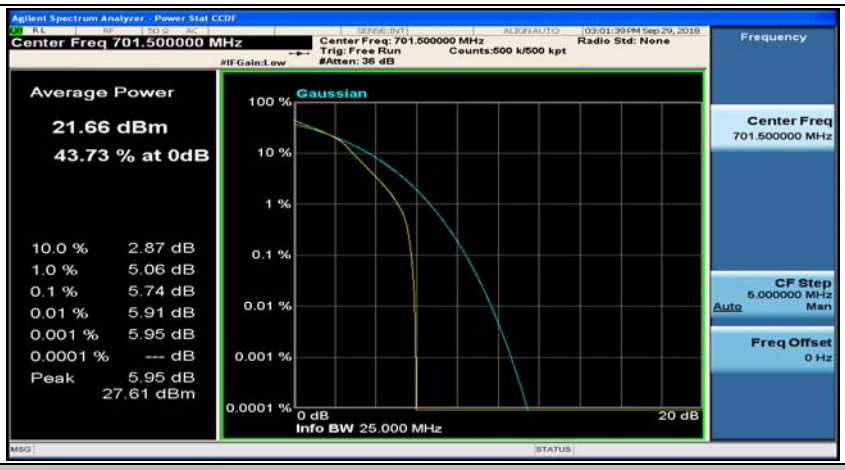
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

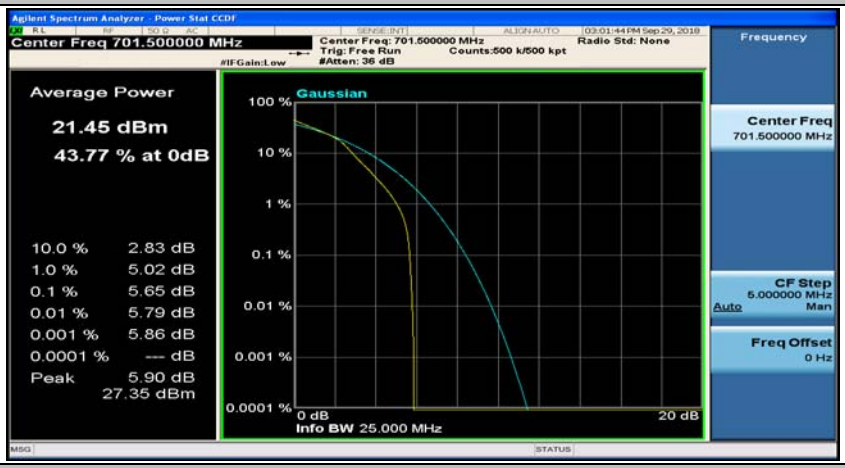


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



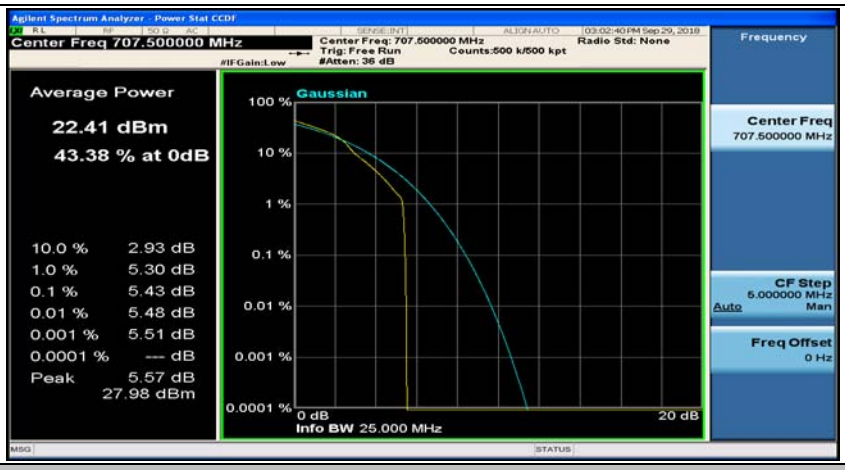
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

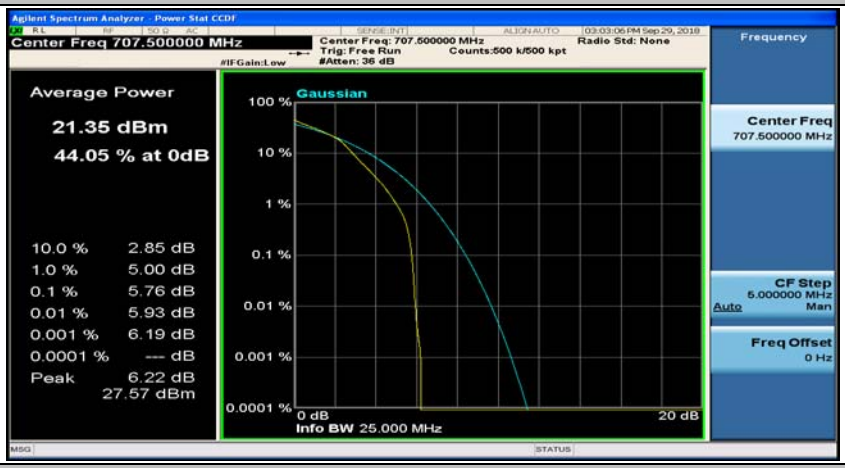
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

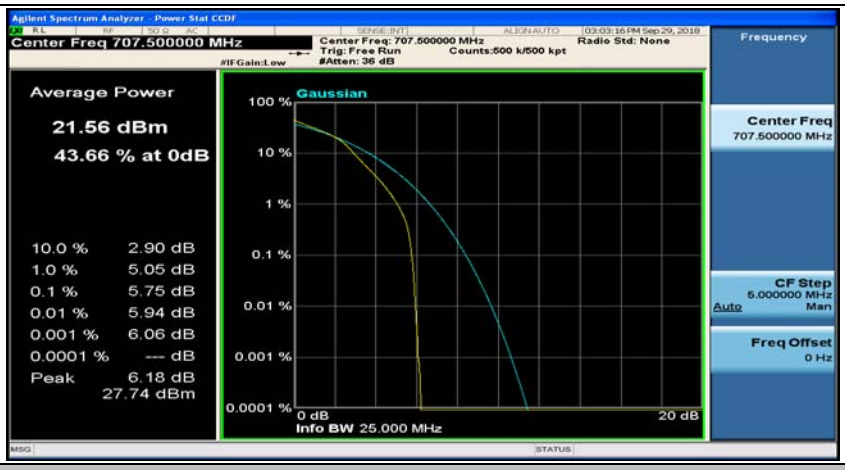


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(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