A.2: Peak-to-Average Ratio

Channel Bandwidth 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.46	<13	PASS
		1	3	3.43	<13	PASS
		1	5	3.53	<13	PASS
		3	0	3.48	<13	PASS
		3	2	3.55	<13	PASS
		3	3	3.57	<13	PASS
		6	0	4.19	<13	PASS
	MCH	1	0	3.04	<13	PASS
		1	3	2.95	<13	PASS
		1	5	3.04	<13	PASS
		3	0	3.14	<13	PASS
		3	2	3.16	<13	PASS
		3	3	3.17	<13	PASS
		6	0	3.81	<13	PASS
	HCH	1	0	4.27	<13	PASS
		1	3	4.24	<13	PASS
		1	5	4.92	<13	PASS
		3	0	5.02	<13	PASS
		3	2	5.09	<13	PASS
		3	3	5.1	<13	PASS
		6	0	5.63	<13	PASS
16QAM	LCH	1	0	4.29	<13	PASS
		1	3	4.33	<13	PASS
		1	5	4.29	<13	PASS
		3	0	4.28	<13	PASS
		3	2	4.39	<13	PASS
		3	3	4.37	<13	PASS
		6	0	5.09	<13	PASS
	MCH	1	0	3.93	<13	PASS
		1	3	3.97	<13	PASS
		1	5	3.94	<13	PASS
		3	0	4.05	<13	PASS
		3	2	4.05	<13	PASS
		3	3	4.11	<13	PASS
		6	0	4.87	<13	PASS
	HCH	1	0	5.63	<13	PASS
		1	3	5.46	<13	PASS
		1	5	5.69	<13	PASS
		3	0	5.78	<13	PASS

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		3	2	5.76	<13	PASS
		3	3	5.79	<13	PASS
		6	0	6.47	<13	PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.38	<13	PASS
		1	7	3.55	<13	PASS
		1	14	4.01	<13	PASS
		8	0	4.25	<13	PASS
		8	4	4.41	<13	PASS
		8	7	4.44	<13	PASS
		15	0	4.37	<13	PASS
	MCH	1	0	3.25	<13	PASS
		1	7	2.97	<13	PASS
		1	14	3.28	<13	PASS
		8	0	3.91	<13	PASS
		8	4	3.83	<13	PASS
		8	7	3.88	<13	PASS
		15	0	3.96	<13	PASS
	HCH	1	0	3.83	<13	PASS
		1	7	4.09	<13	PASS
		1	14	4.16	<13	PASS
		8	0	4.86	<13	PASS
		8	4	5.02	<13	PASS
		8	7	5.21	<13	PASS
		15	0	5	<13	PASS
16QAM	LCH	1	0	4.28	<13	PASS
		1	7	4.51	<13	PASS
		1	14	4.83	<13	PASS
		8	0	5.03	<13	PASS
		8	4	5.19	<13	PASS
		8	7	5.23	<13	PASS
		15	0	5.25	<13	PASS
	MCH	1	0	4.14	<13	PASS
		1	7	3.94	<13	PASS
		1	14	4.15	<13	PASS
		8	0	4.82	<13	PASS
		8	4	4.73	<13	PASS
		8	7	4.78	<13	PASS
		15	0	4.94	<13	PASS
	HCH	1	0	4.69	<13	PASS
		1	7	4.87	<13	PASS

		1	14	5.1	<13	PASS
		8	0	5.64	<13	PASS
		8	4	5.81	<13	PASS
		8	7	5.91	<13	PASS
		15	0	5.8	<13	PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.32	<13	PASS
		1	12	3.62	<13	PASS
		1	24	4.37	<13	PASS
		12	0	4.32	<13	PASS
		12	6	4.58	<13	PASS
		12	13	4.95	<13	PASS
		25	0	4.65	<13	PASS
	MCH	1	0	3.2	<13	PASS
		1	12	2.94	<13	PASS
		1	24	3.21	<13	PASS
		12	0	3.99	<13	PASS
		12	6	3.92	<13	PASS
		12	13	4	<13	PASS
		25	0	4.08	<13	PASS
	HCH	1	0	3.55	<13	PASS
		1	12	3.88	<13	PASS
		1	24	4.32	<13	PASS
		12	0	4.56	<13	PASS
		12	6	4.77	<13	PASS
		12	13	5.08	<13	PASS
		25	0	4.78	<13	PASS
16QAM	LCH	1	0	4.25	<13	PASS
		1	12	4.59	<13	PASS
		1	24	5.27	<13	PASS
		12	0	5.19	<13	PASS
		12	6	5.37	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.48	<13	PASS
	MCH	1	0	4.22	<13	PASS
		1	12	3.92	<13	PASS
		1	24	4.17	<13	PASS
		12	0	4.94	<13	PASS
		12	6	4.86	<13	PASS
		12	13	4.9	<13	PASS
		25	0	4.94	<13	PASS

	HCH	1	0	4.29	<13	PASS
		1	12	4.55	<13	PASS
		1	24	5	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.71	<13	PASS
		12	13	6.01	<13	PASS
		25	0	5.64	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.38	<13	PASS
		1	24	4.57	<13	PASS
		1	49	5.32	<13	PASS
		25	0	4.69	<13	PASS
		25	12	5.34	<13	PASS
		25	25	5.86	<13	PASS
		50	0	5.34	<13	PASS
	MCH	1	0	3.25	<13	PASS
		1	24	2.91	<13	PASS
		1	49	3.62	<13	PASS
		25	0	4.08	<13	PASS
		25	12	4.07	<13	PASS
		25	25	4.1	<13	PASS
		50	0	4.13	<13	PASS
	HCH	1	0	3.94	<13	PASS
		1	24	3.26	<13	PASS
		1	49	4.17	<13	PASS
		25	0	4.52	<13	PASS
		25	12	4.39	<13	PASS
		25	25	4.81	<13	PASS
		50	0	4.83	<13	PASS
16QAM	LCH	1	0	4.32	<13	PASS
		1	24	5.43	<13	PASS
		1	49	6.32	<13	PASS
		25	0	5.54	<13	PASS
		25	12	6.14	<13	PASS
		25	25	6.66	<13	PASS
		50	0	6.04	<13	PASS
	MCH	1	0	4.19	<13	PASS
		1	24	3.9	<13	PASS
		1	49	4.63	<13	PASS
		25	0	5.01	<13	PASS
		25	12	4.99	<13	PASS

		25	25	5.05	<13	PASS
		50	0	5.01	<13	PASS
	HCH	1	0	4.81	<13	PASS
		1	24	4.21	<13	PASS
		1	49	4.97	<13	PASS
		25	0	5.45	<13	PASS
		25	12	5.26	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.56	<13	PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.37	<13	PASS
		1	37	5.22	<13	PASS
		1	74	5.69	<13	PASS
		37	0	5.06	<13	PASS
		37	18	5.8	<13	PASS
		37	38	6.37	<13	PASS
		75	0	6.14	<13	PASS
	MCH	1	0	3.63	<13	PASS
		1	37	3.17	<13	PASS
		1	74	4.14	<13	PASS
		37	0	4.06	<13	PASS
		37	18	3.97	<13	PASS
		37	38	4.16	<13	PASS
		75	0	4.62	<13	PASS
	HCH	1	0	5.16	<13	PASS
		1	37	4.06	<13	PASS
		1	74	4.89	<13	PASS
		37	0	5.76	<13	PASS
		37	18	5.22	<13	PASS
		37	38	5.01	<13	PASS
		75	0	5.87	<13	PASS
16QAM	LCH	1	0	4.4	<13	PASS
		1	37	5.87	<13	PASS
		1	74	6.58	<13	PASS
		37	0	5.9	<13	PASS
		37	18	6.6	<13	PASS
		37	38	7.02	<13	PASS
		75	0	6.61	<13	PASS
	MCH	1	0	4.38	<13	PASS
		1	37	4	<13	PASS
		1	74	4.93	<13	PASS

		37	0	5.08	<13	PASS
		37	18	4.9	<13	PASS
		37	38	5.08	<13	PASS
		75	0	5.35	<13	PASS
	HCH	1	0	6.58	<13	PASS
		1	37	4.92	<13	PASS
		1	74	5.71	<13	PASS
		37	0	6.64	<13	PASS
		37	18	6.04	<13	PASS
		37	38	5.57	<13	PASS
		75	0	6.4	<13	PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.41	<13	PASS
		1	49	5.59	<13	PASS
		1	99	4.84	<13	PASS
		50	0	5.75	<13	PASS
		50	25	6.3	<13	PASS
		50	50	6.11	<13	PASS
		100	0	5.94	<13	PASS
	MCH	1	0	4.44	<13	PASS
		1	49	3.61	<13	PASS
		1	99	5.03	<13	PASS
		50	0	4.57	<13	PASS
		50	25	4.15	<13	PASS
		50	50	4.57	<13	PASS
		100	0	4.92	<13	PASS
	HCH	1	0	5.14	<13	PASS
		1	49	4.81	<13	PASS
		1	99	4.96	<13	PASS
		50	0	6.05	<13	PASS
		50	25	5.65	<13	PASS
		50	50	5.3	<13	PASS
		100	0	5.88	<13	PASS
16QAM	LCH	1	0	4.82	<13	PASS
		1	49	6.37	<13	PASS
		1	99	5.66	<13	PASS
		50	0	6.52	<13	PASS
		50	25	7.21	<13	PASS
		50	50	6.84	<13	PASS
		100	0	6.68	<13	PASS
	MCH	1	0	5.45	<13	PASS

		1	49	4.4	<13	PASS
		1	99	5.37	<13	PASS
		50	0	5.32	<13	PASS
		50	25	5	<13	PASS
		50	50	5.37	<13	PASS
		100	0	5.66	<13	PASS
	HCH	1	0	6.39	<13	PASS
		1	49	5.53	<13	PASS
		1	99	5.63	<13	PASS
		50	0	6.86	<13	PASS
		50	25	6.4	<13	PASS
		50	50	6.07	<13	PASS
		100	0	6.57	<13	PASS

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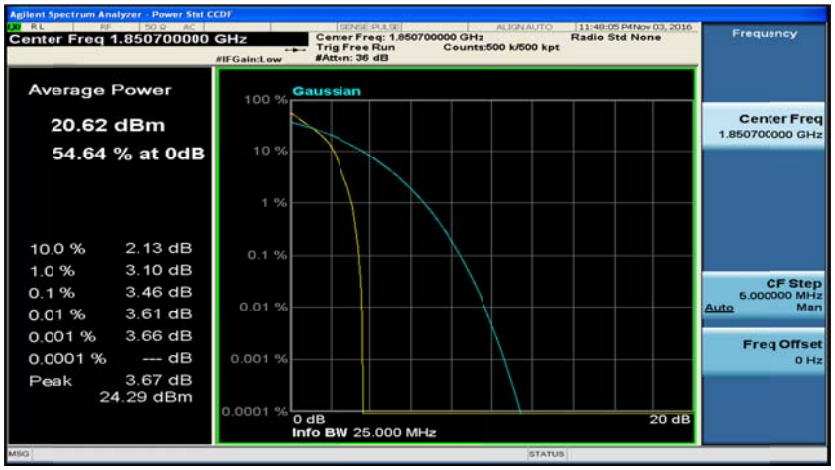
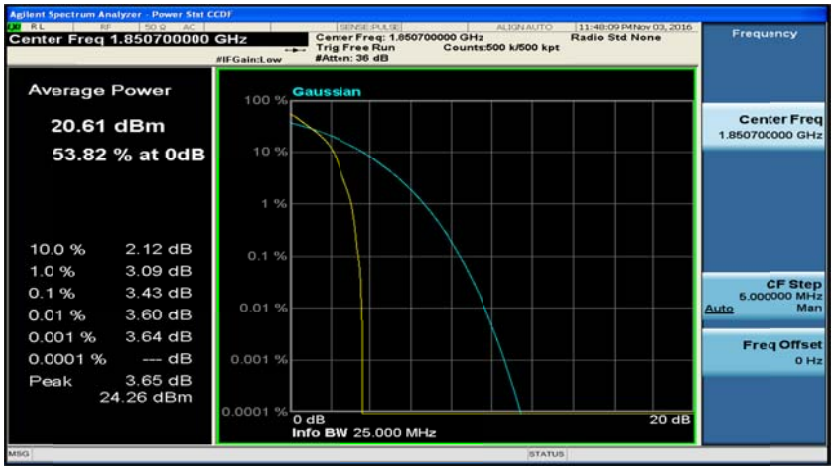
Test Graphs

Channel Bandwidth: 1.4 MHz

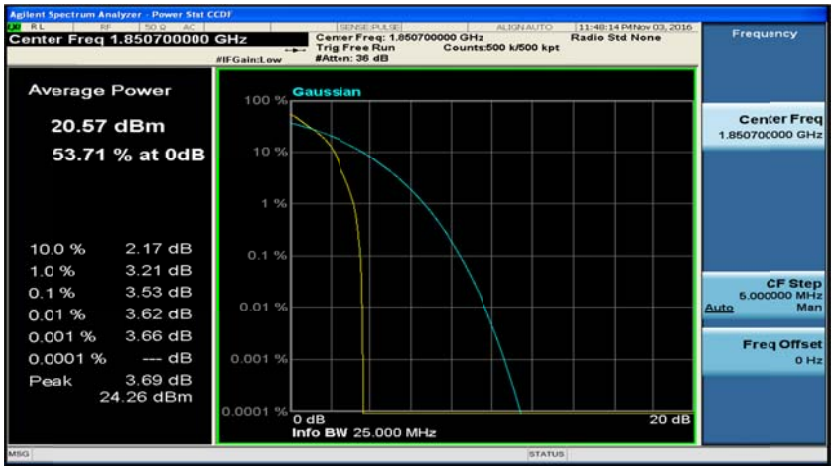
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3

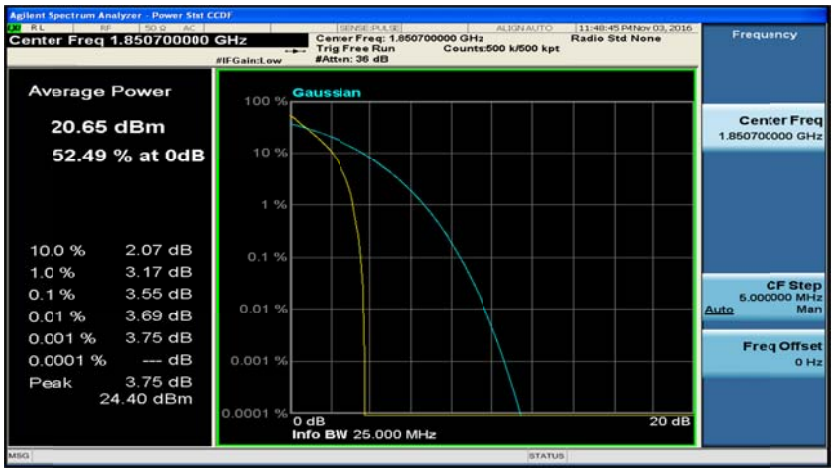


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

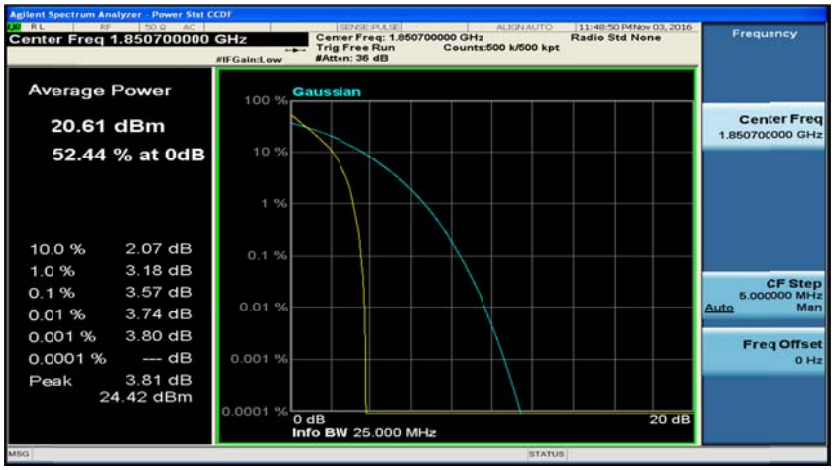


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0

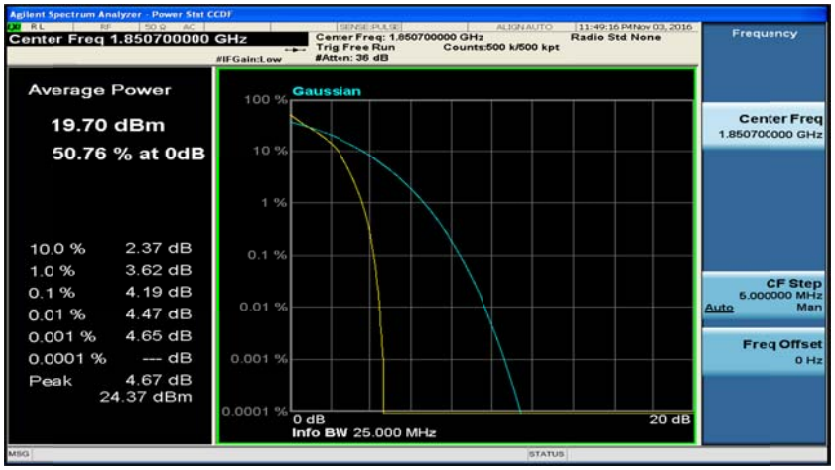
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



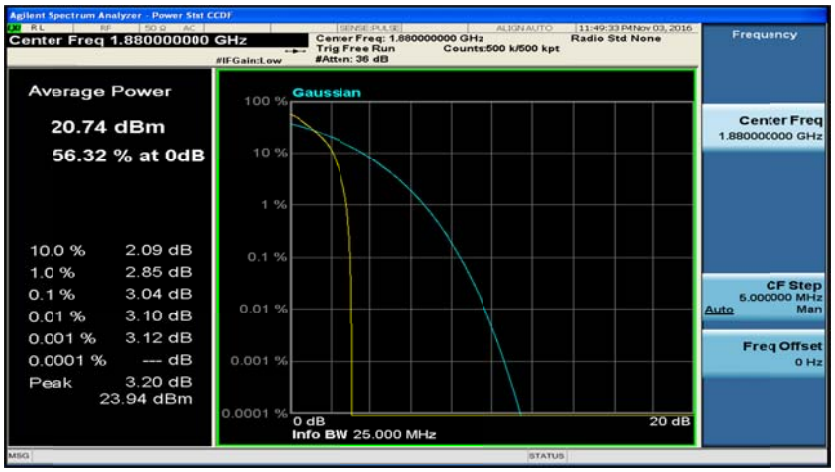
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



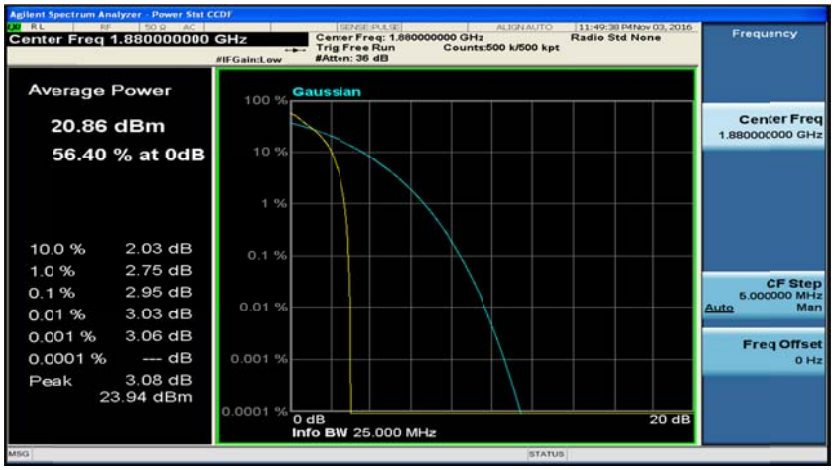
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



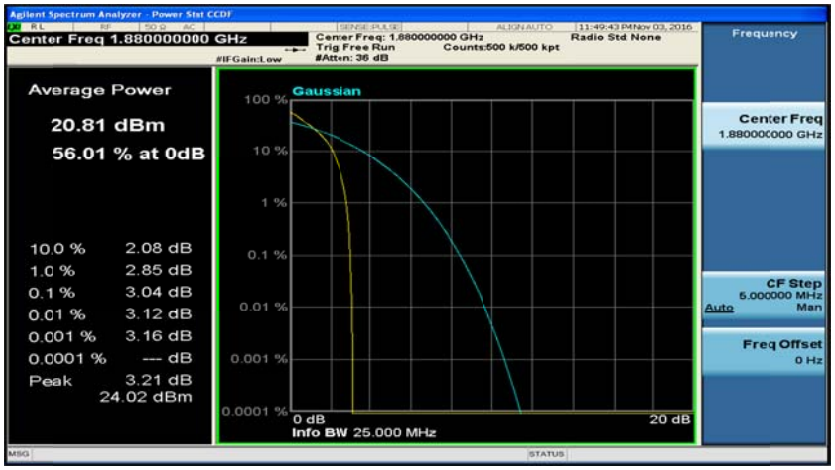
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



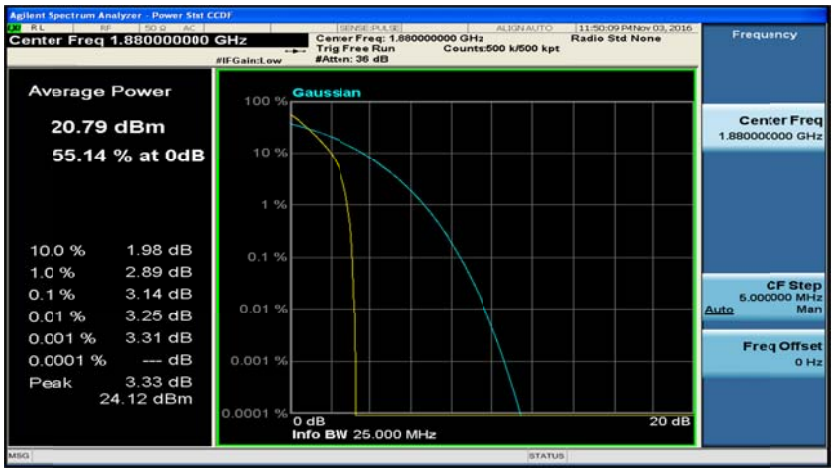
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



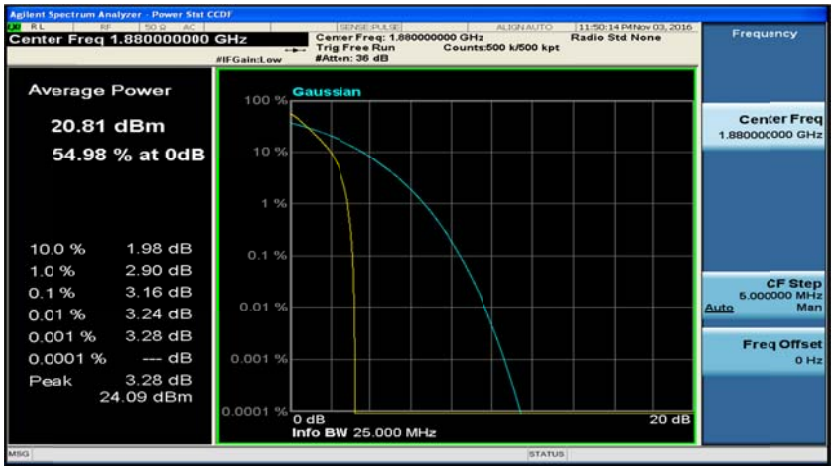
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



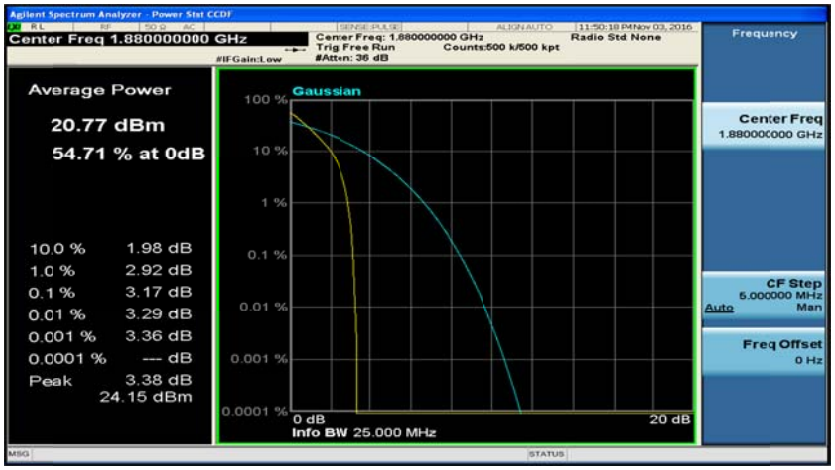
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



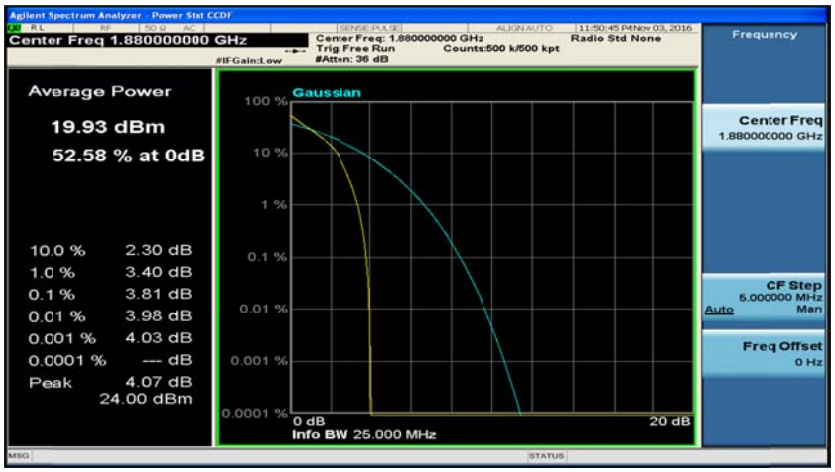
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



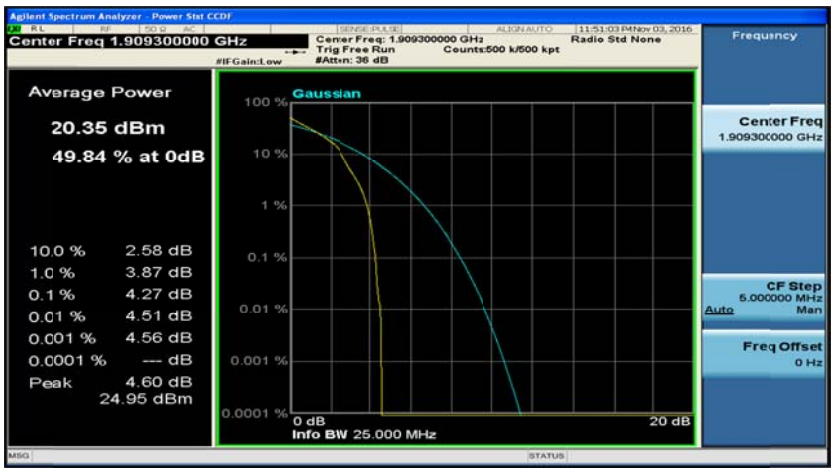
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



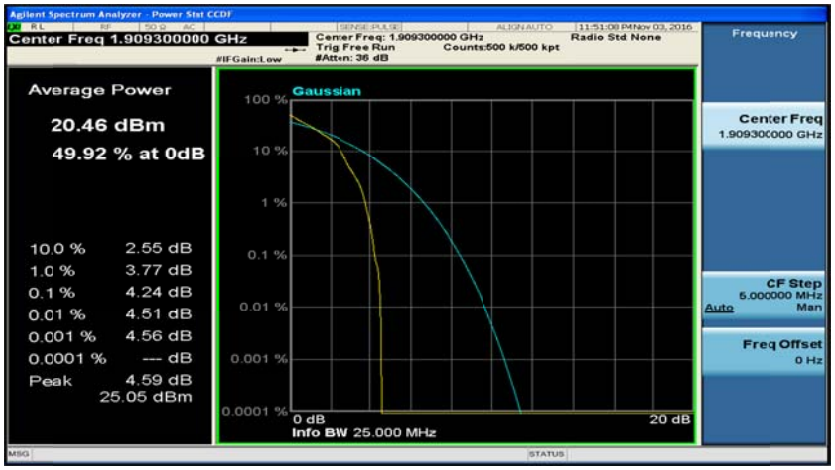
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



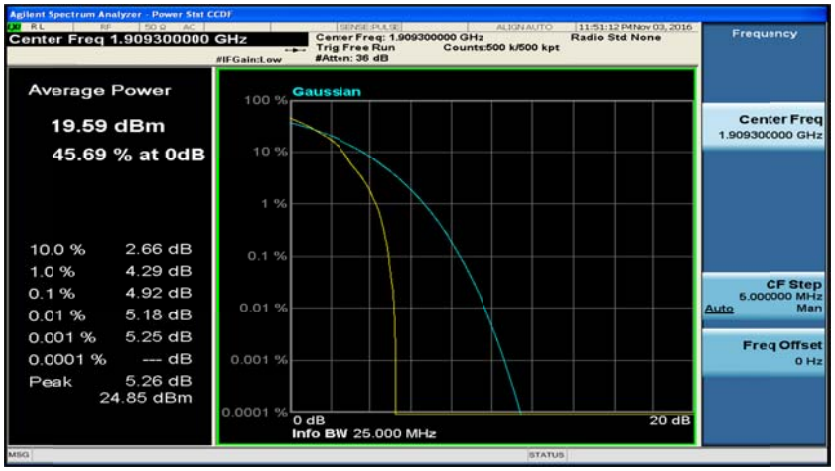
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



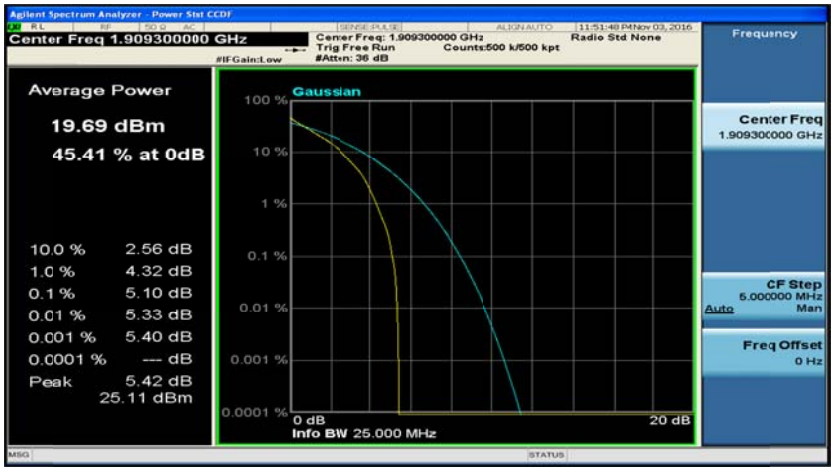
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



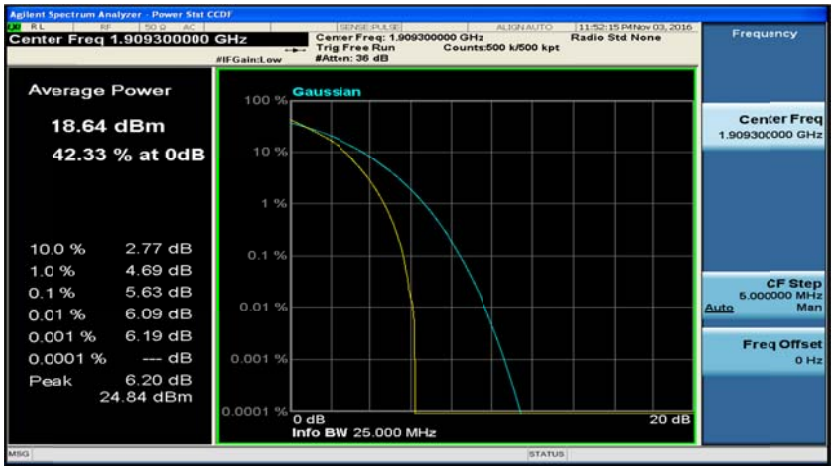
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

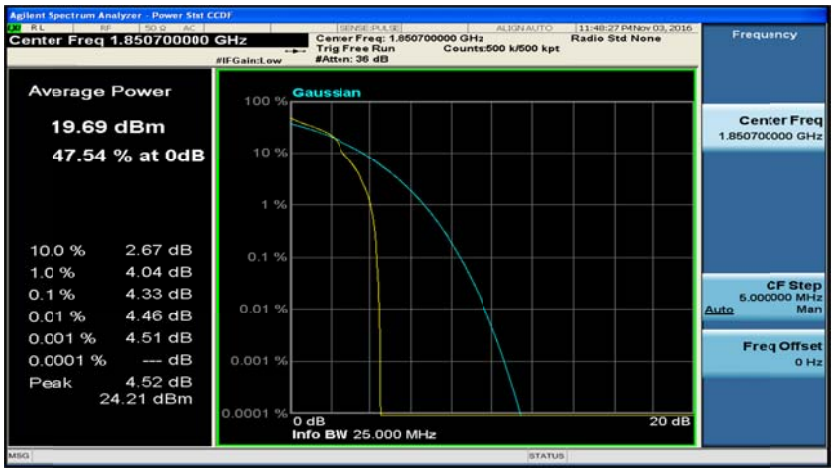


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

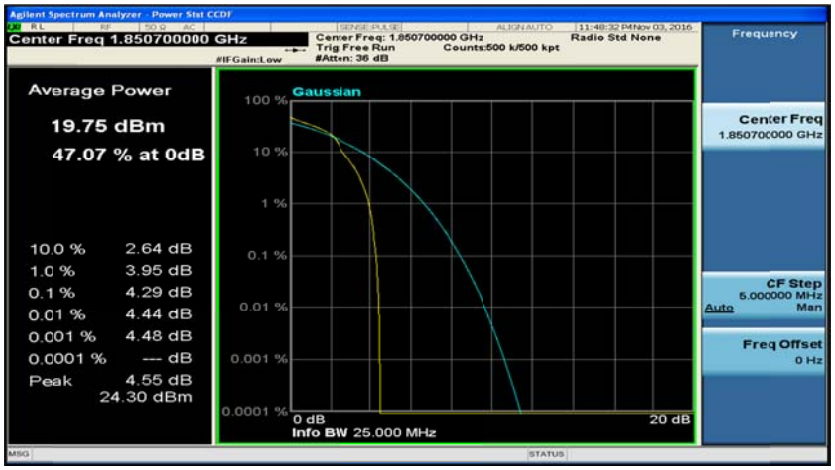


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

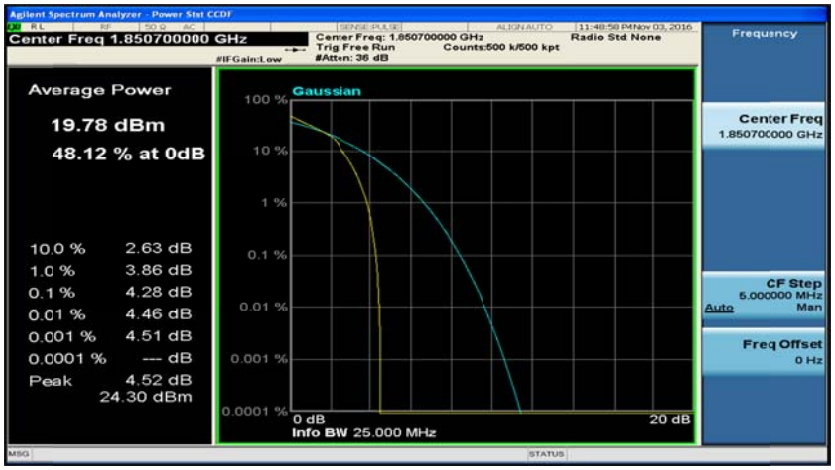
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



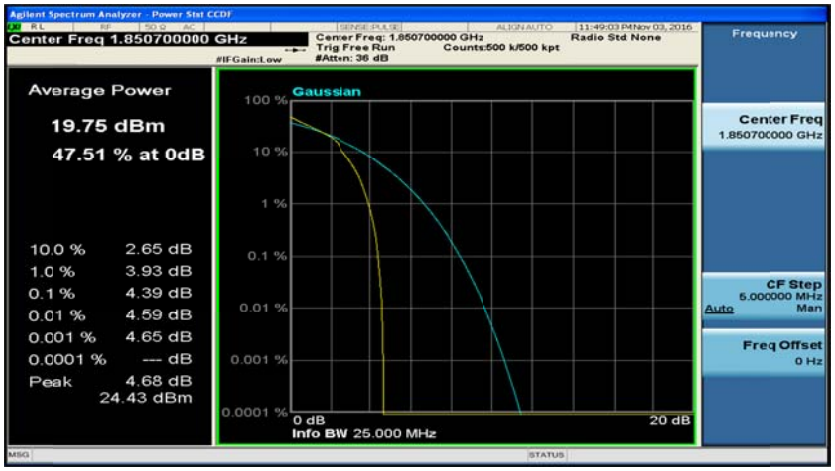
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



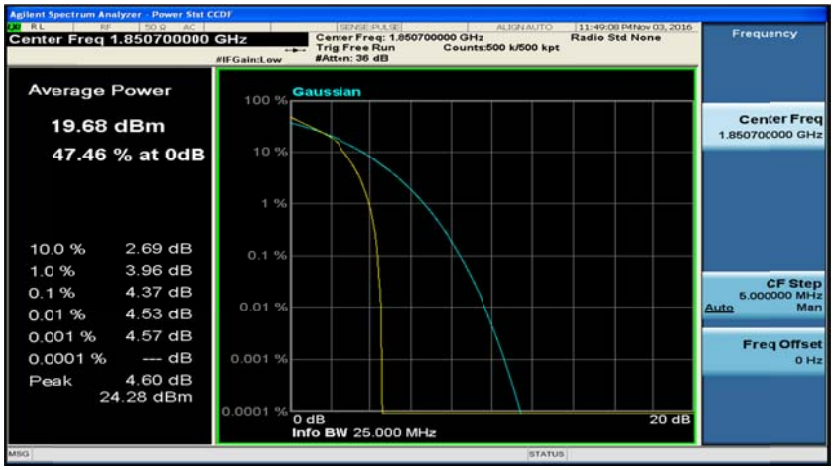
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

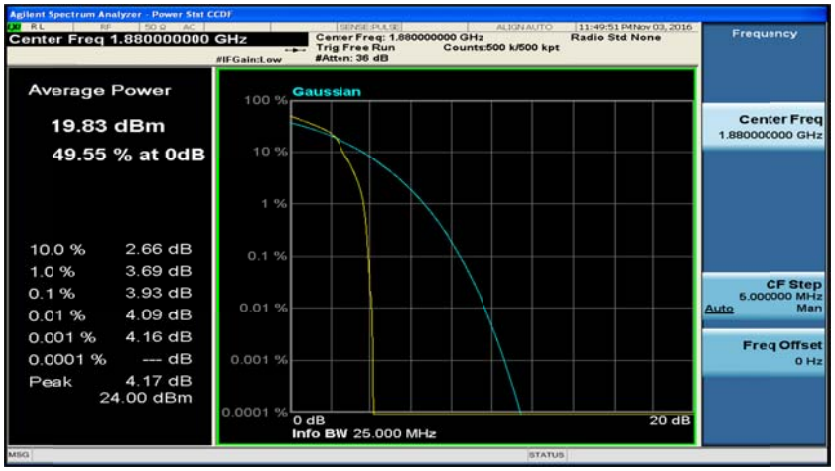


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

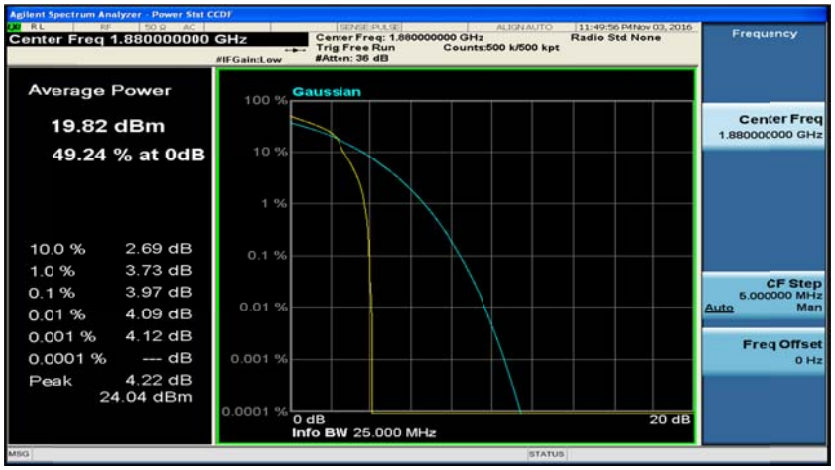


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

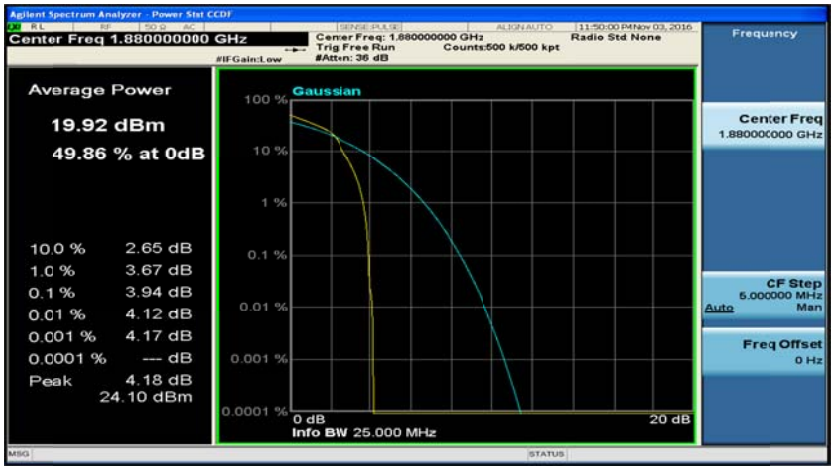
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



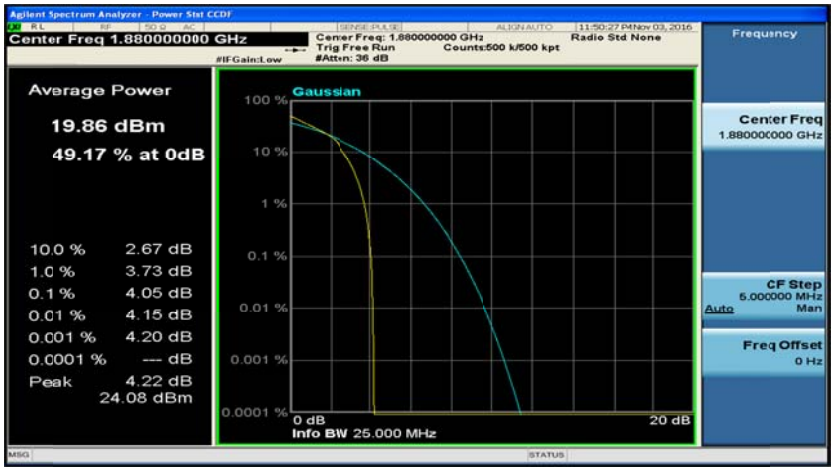
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



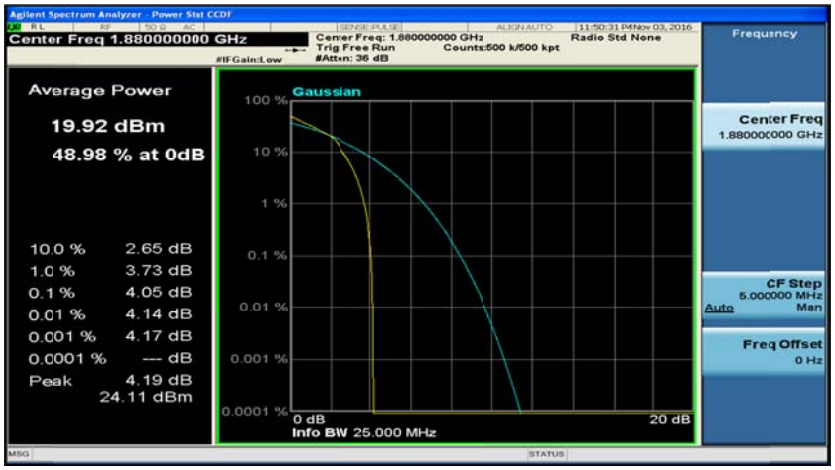
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



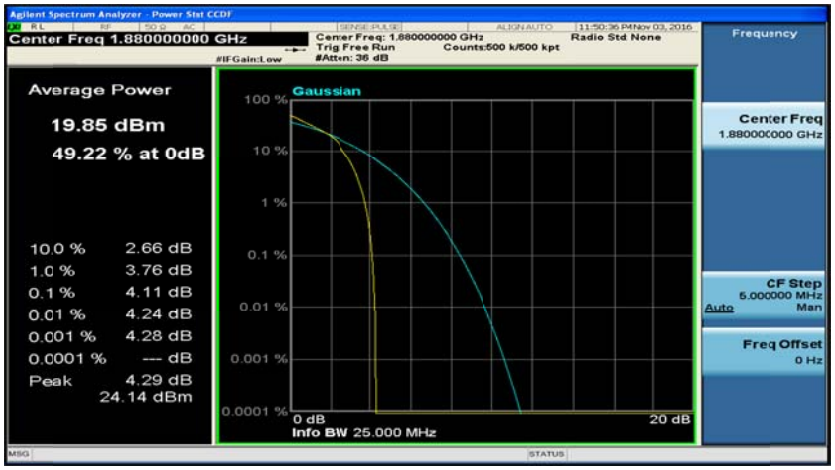
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



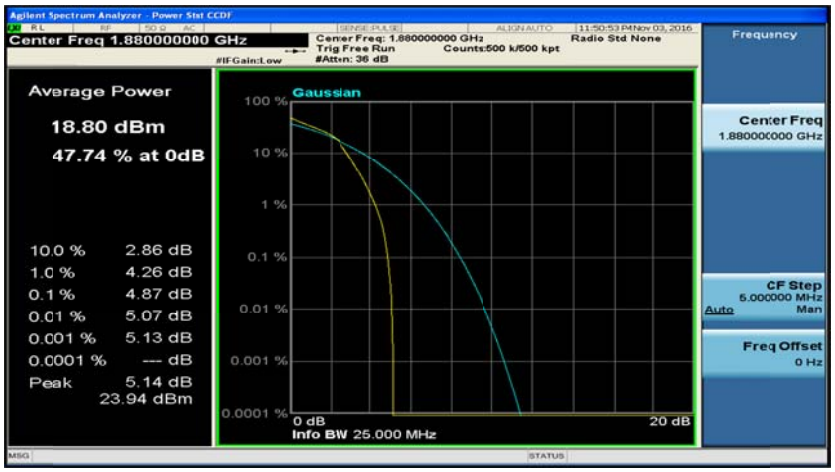
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



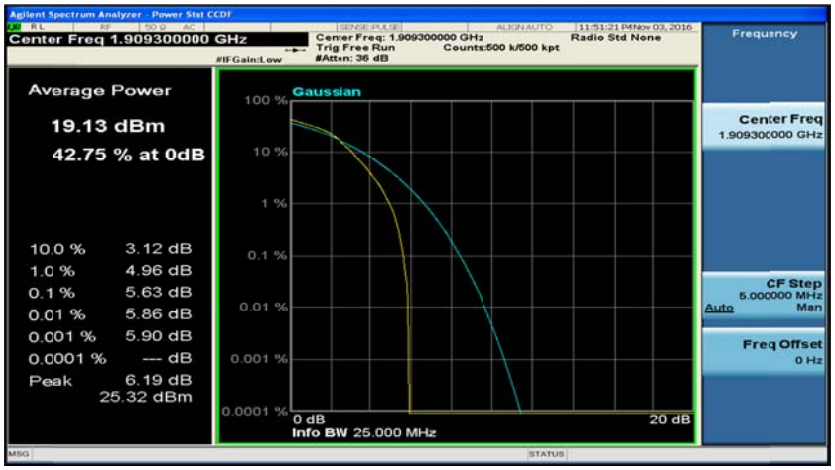
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



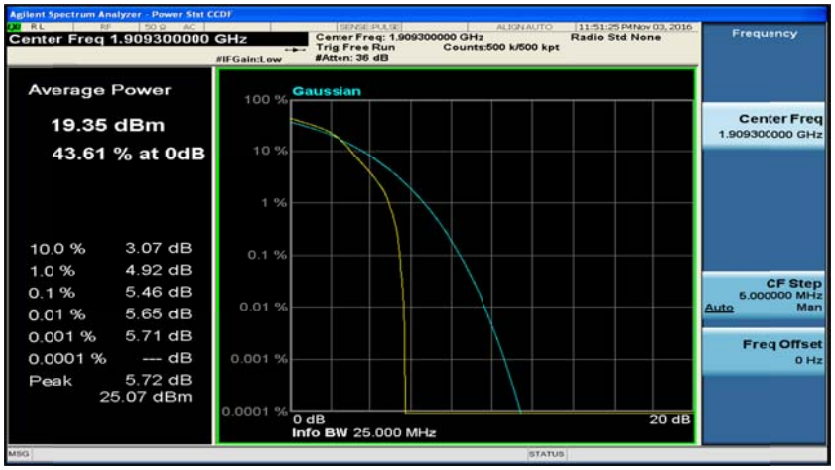
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



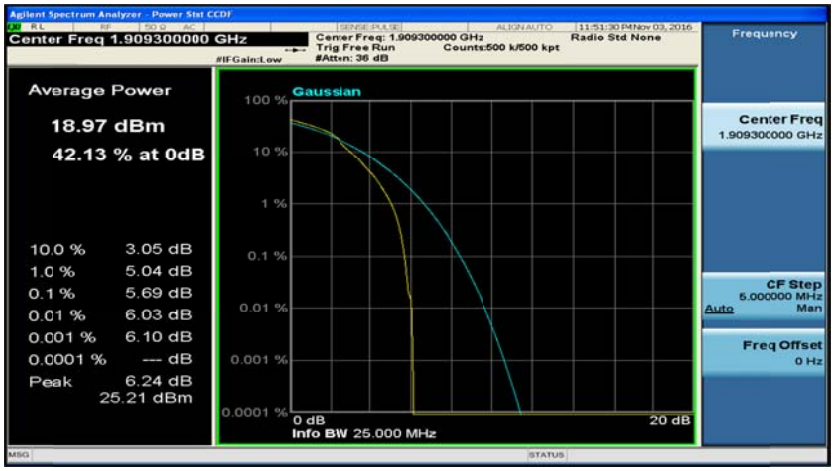
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



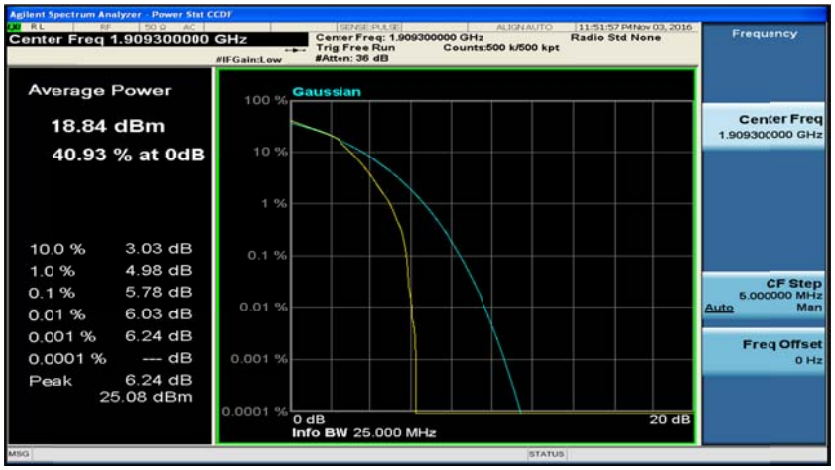
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

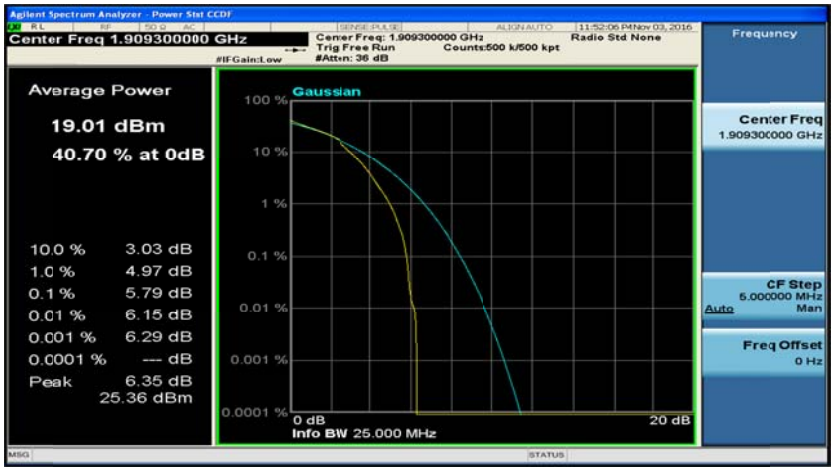


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

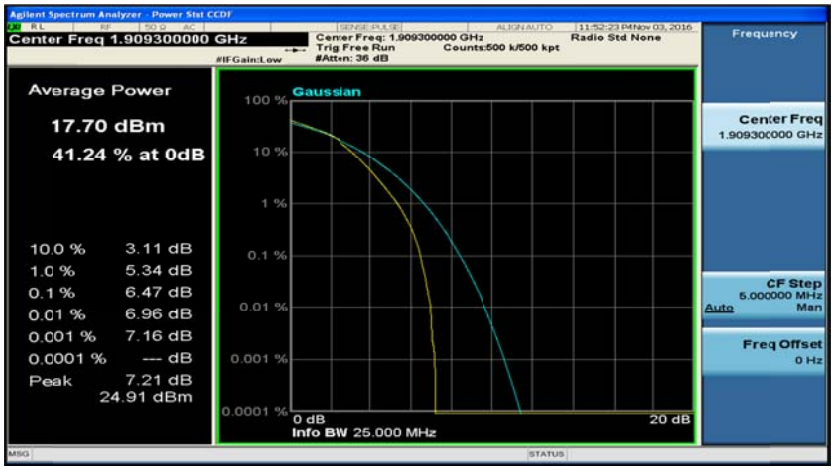


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

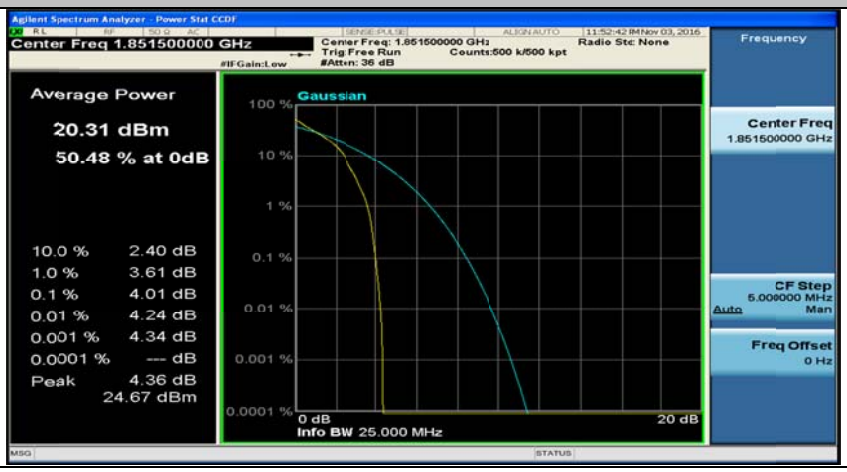


Channel Bandwidth: 3 MHz

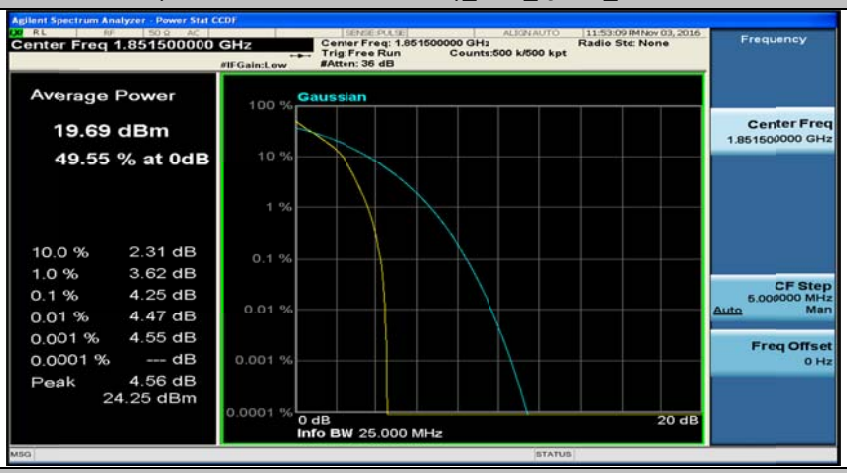
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7

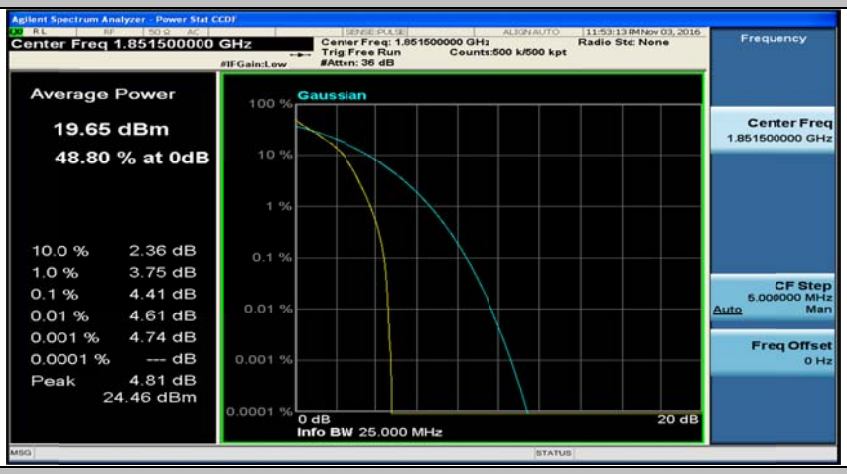
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



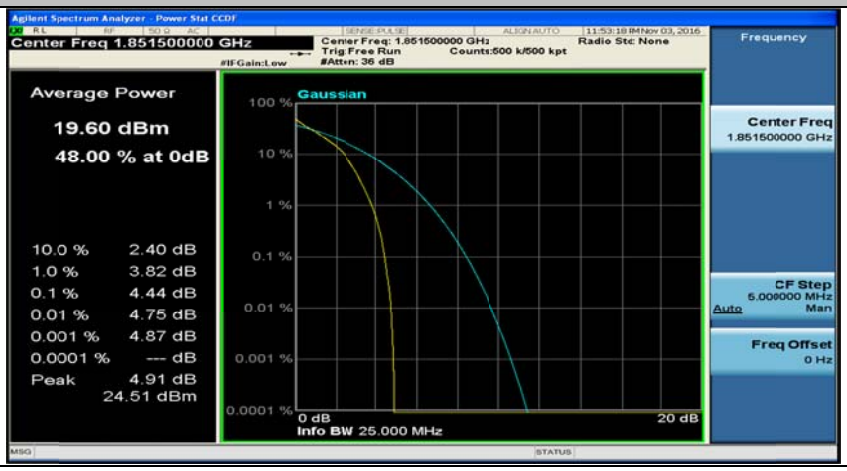
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



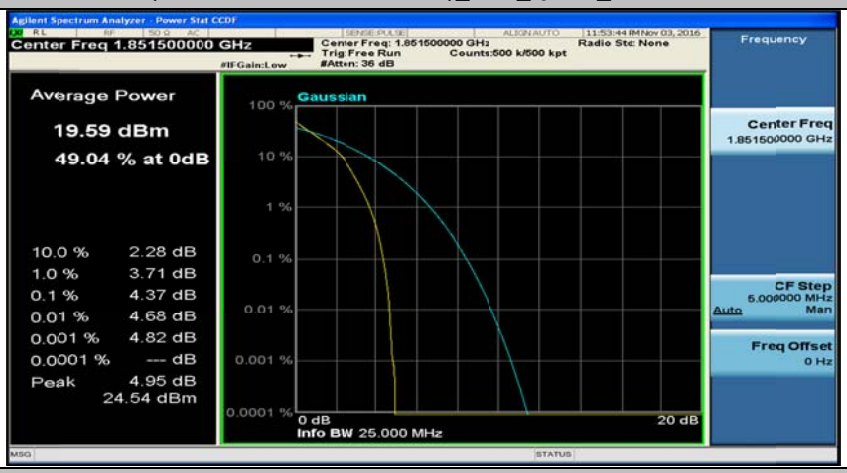
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



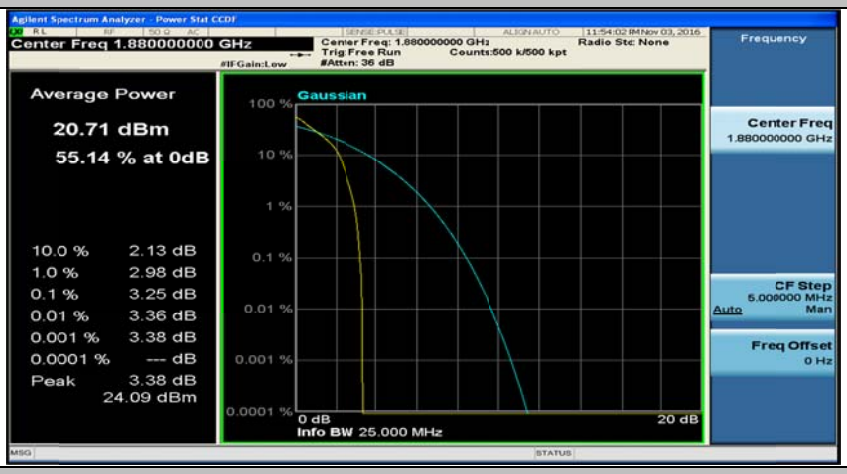
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

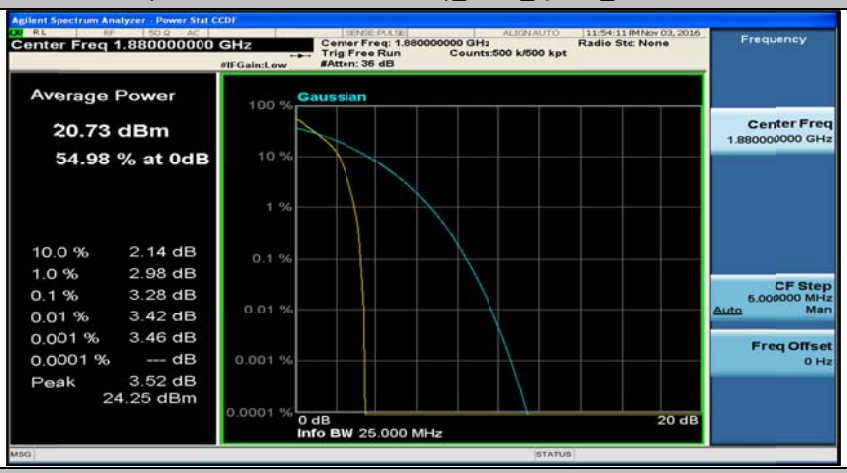


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

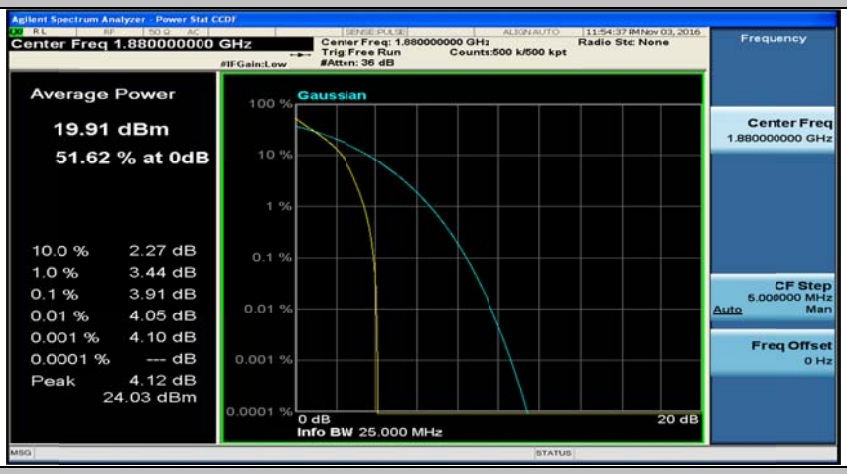


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

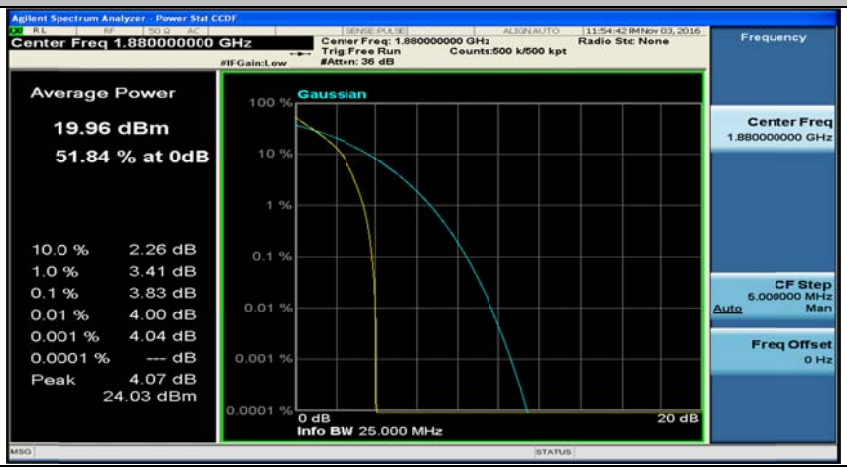
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



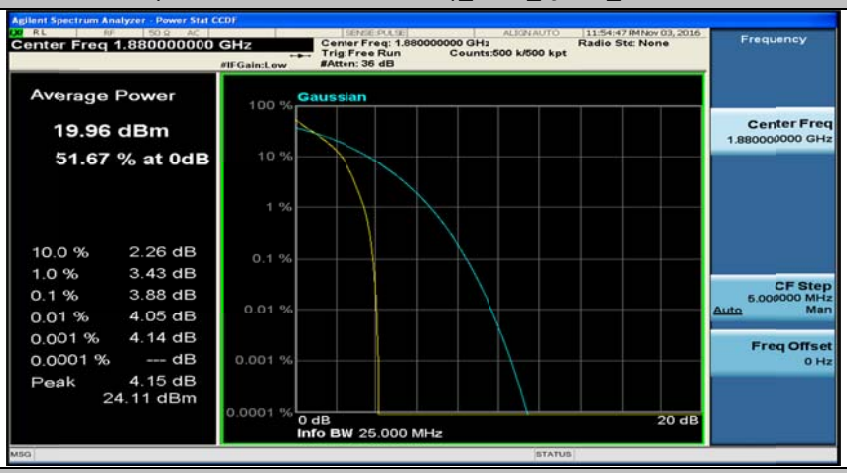
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



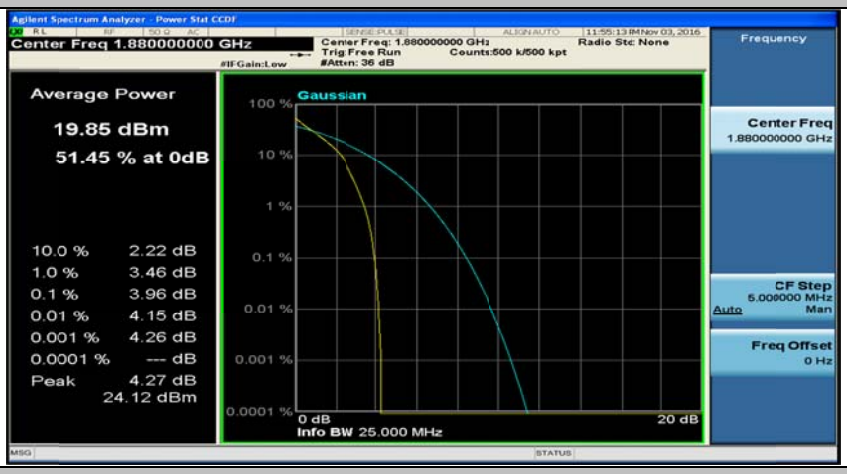
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



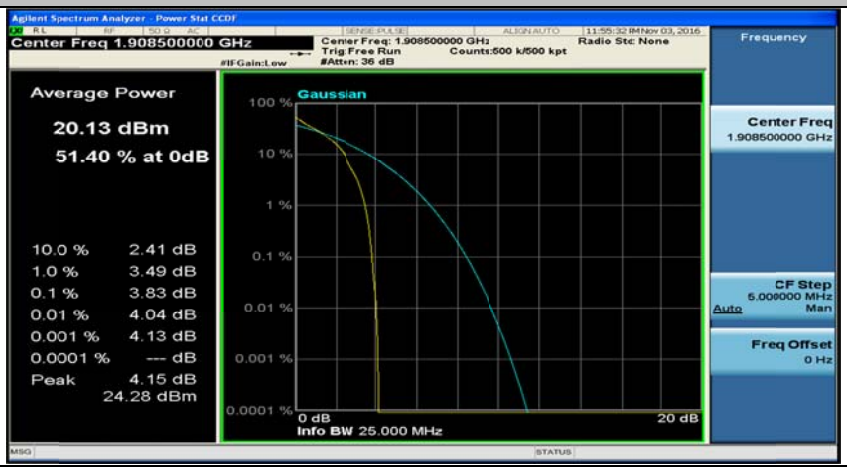
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

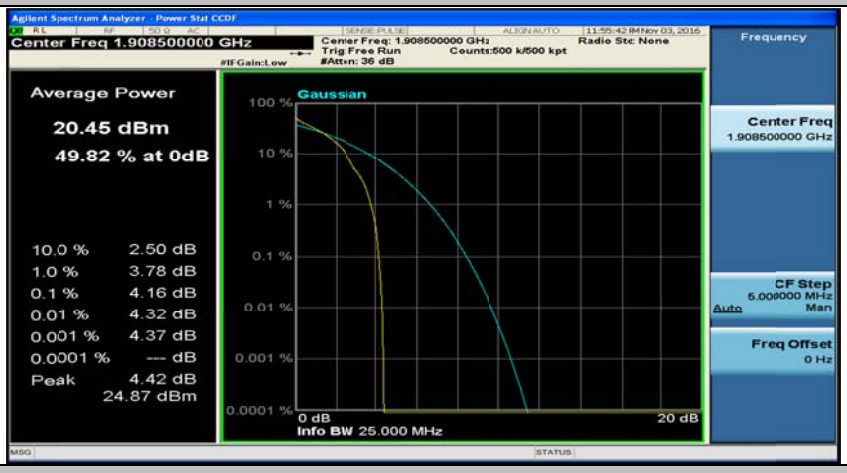


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

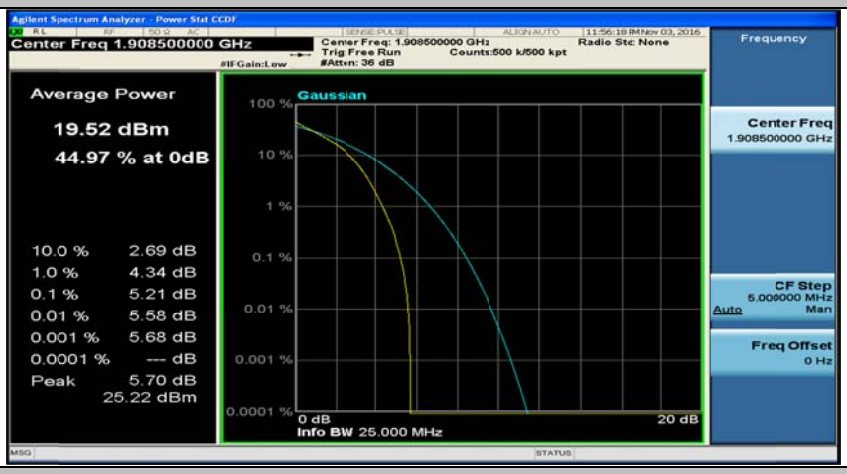
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



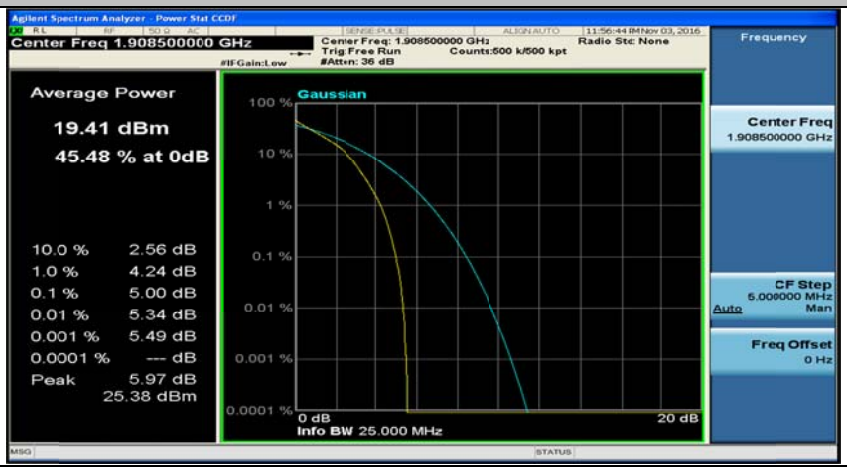
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

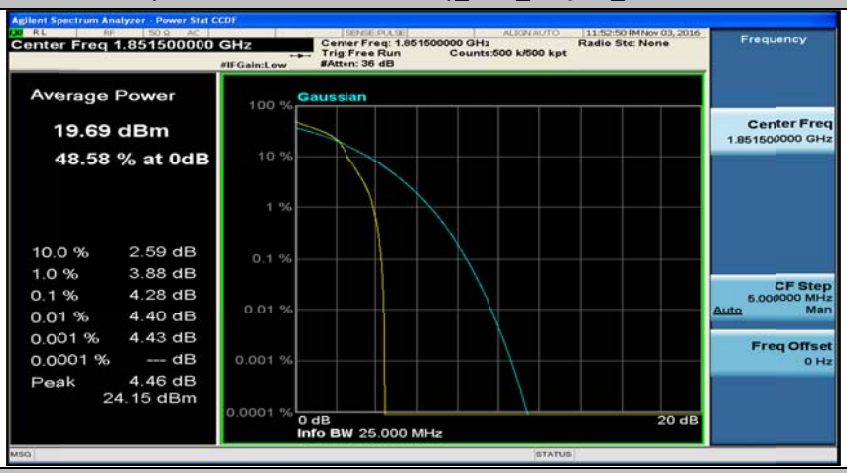
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



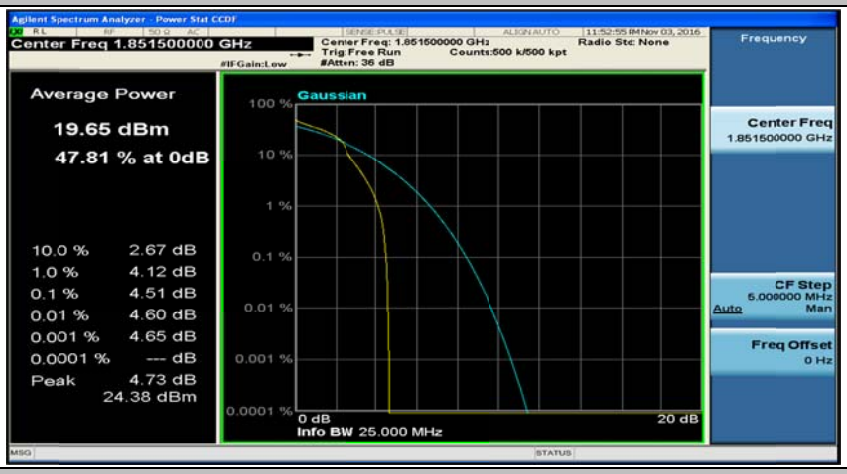
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



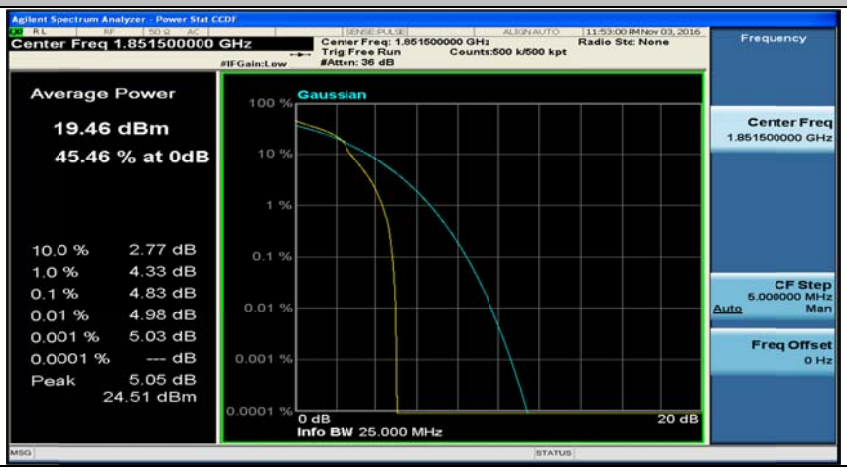
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

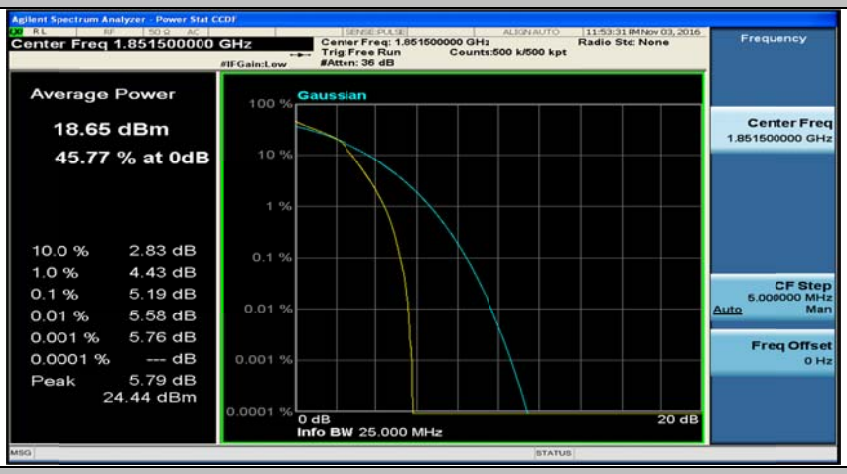


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



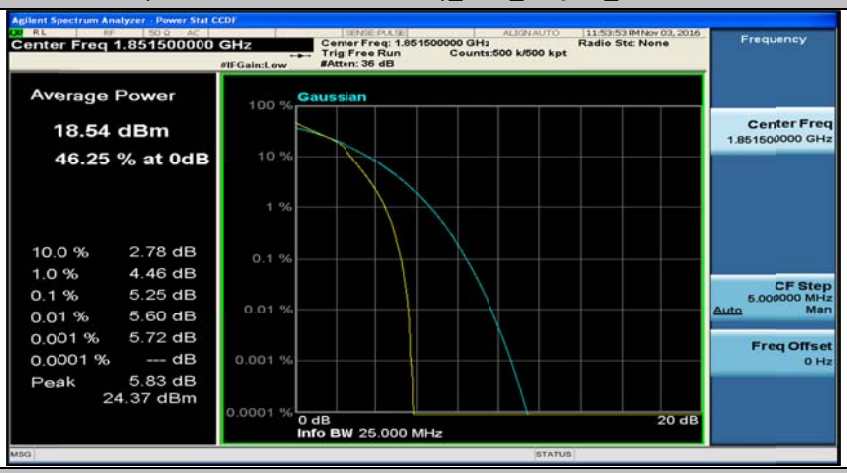
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

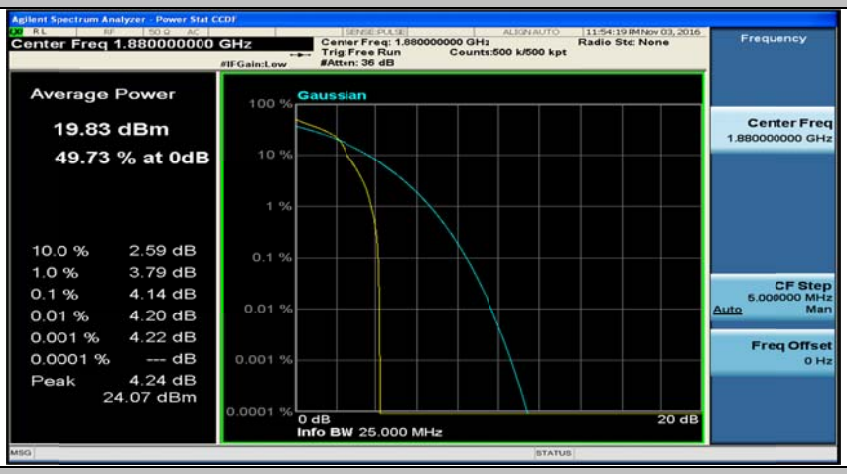


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

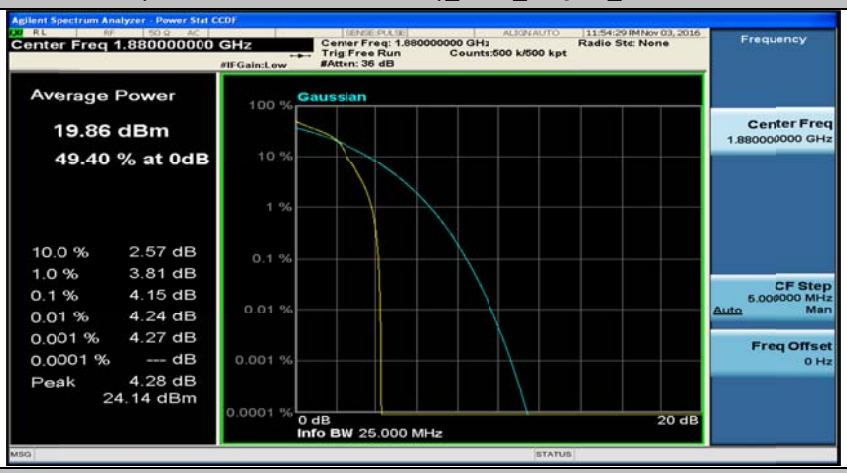


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

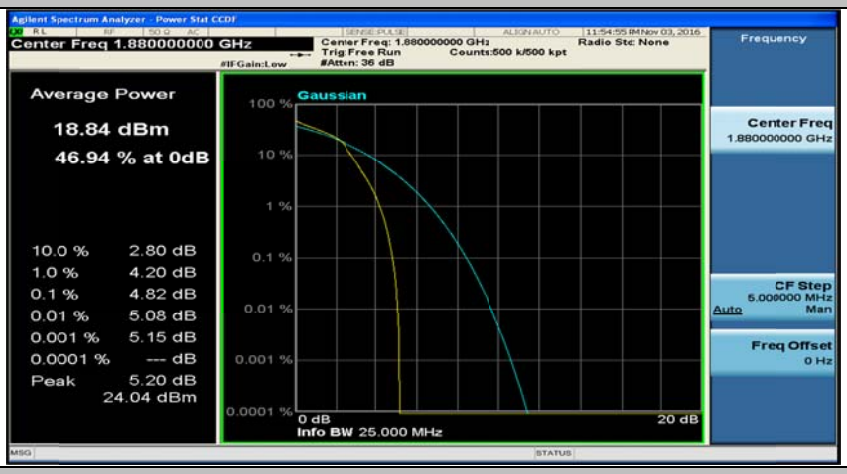


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

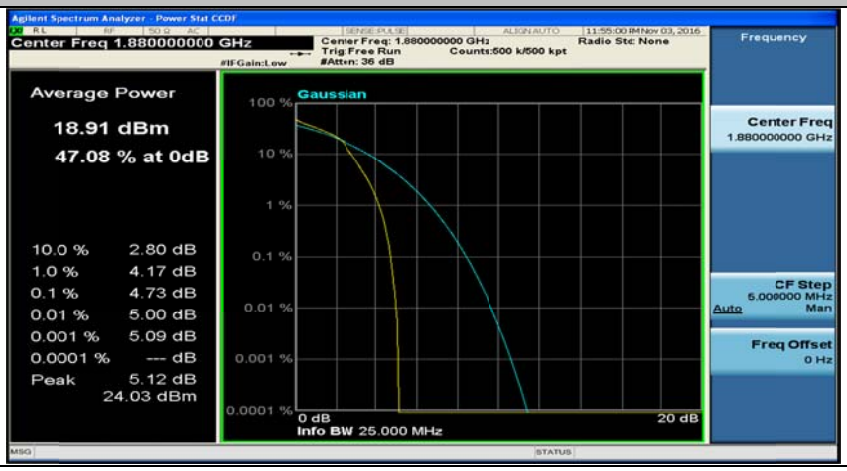
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



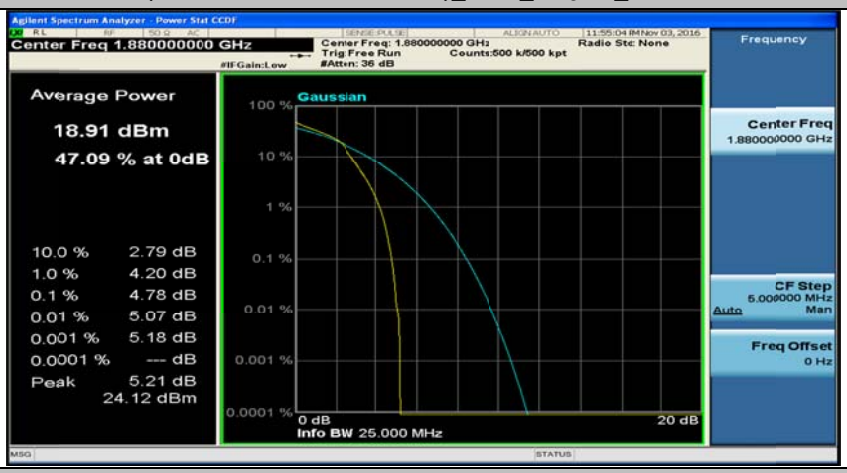
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



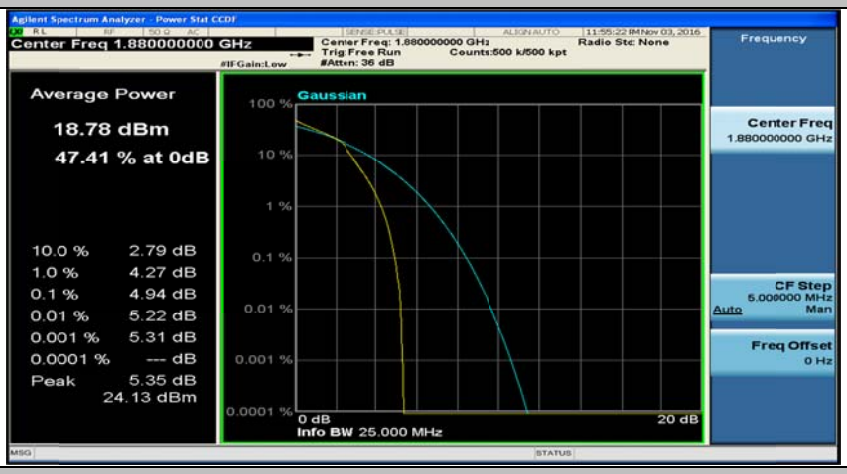
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



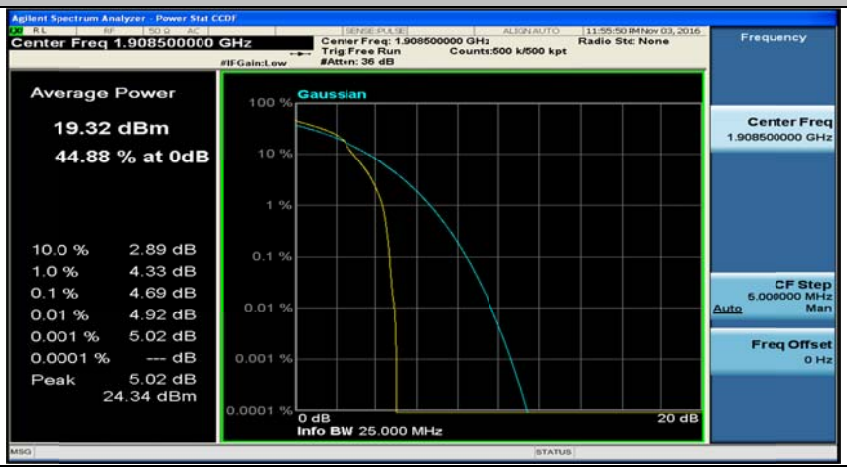
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

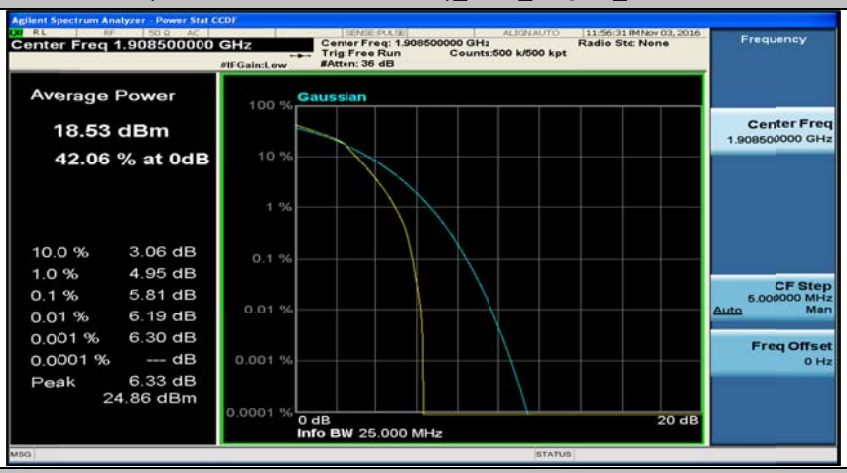


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

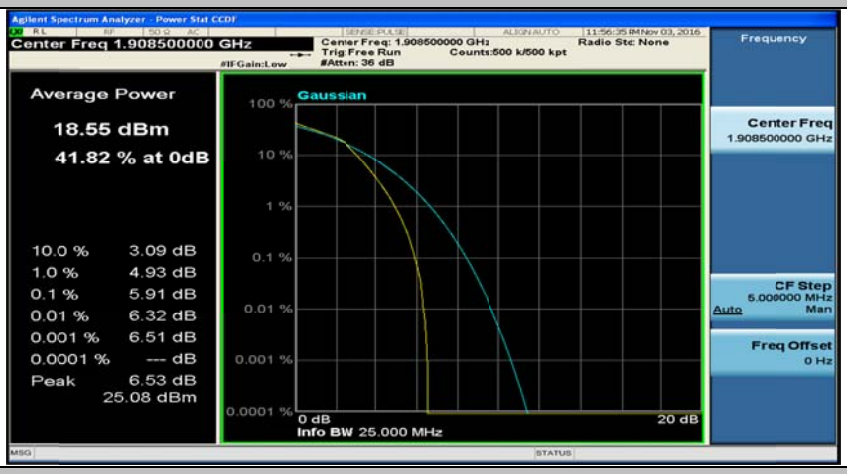
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

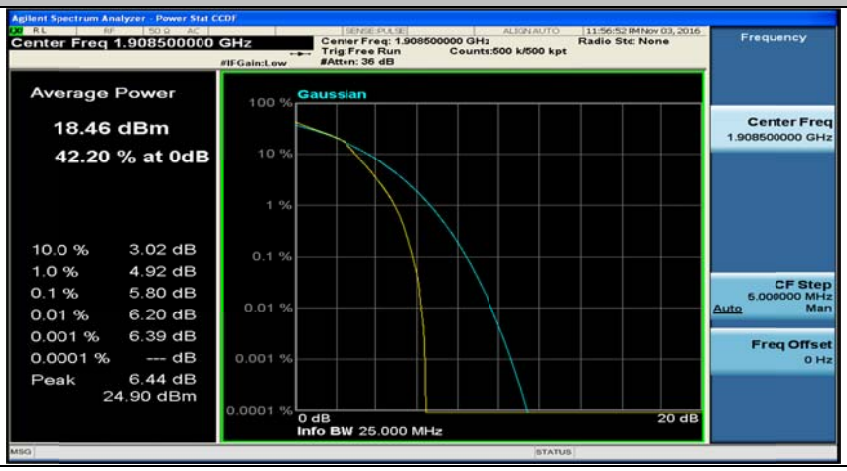
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



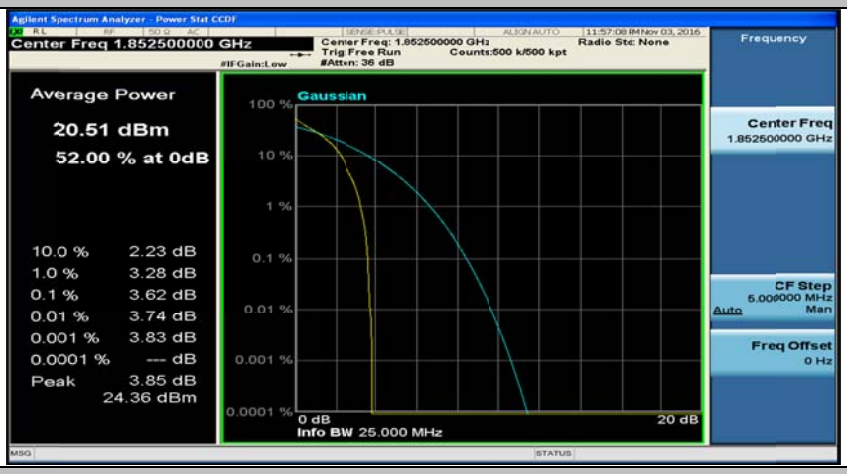
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



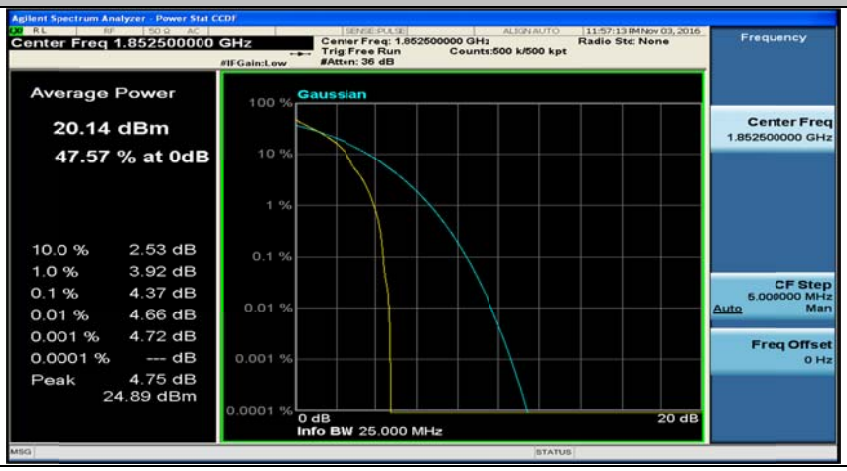
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

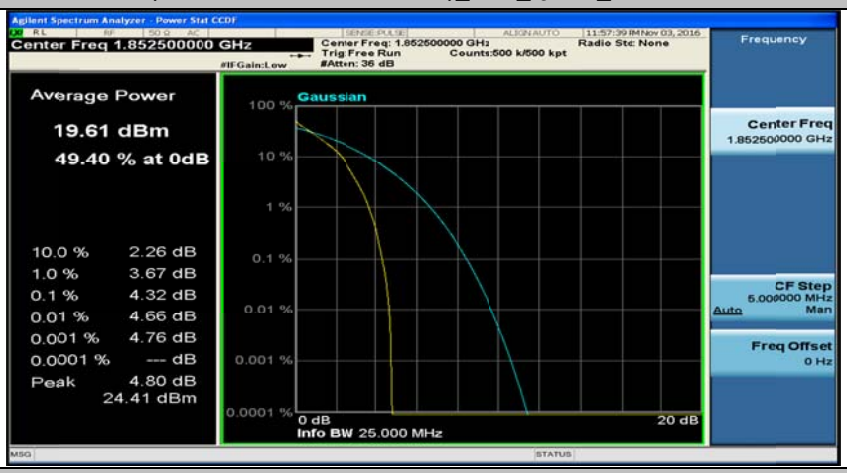
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



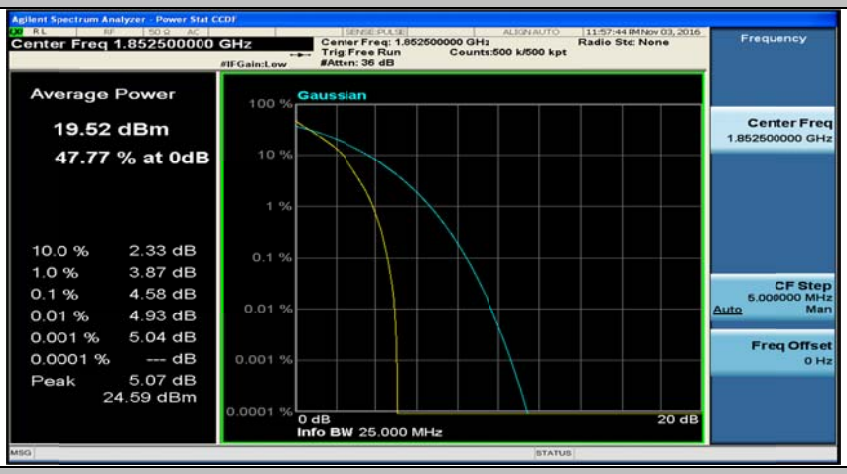
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



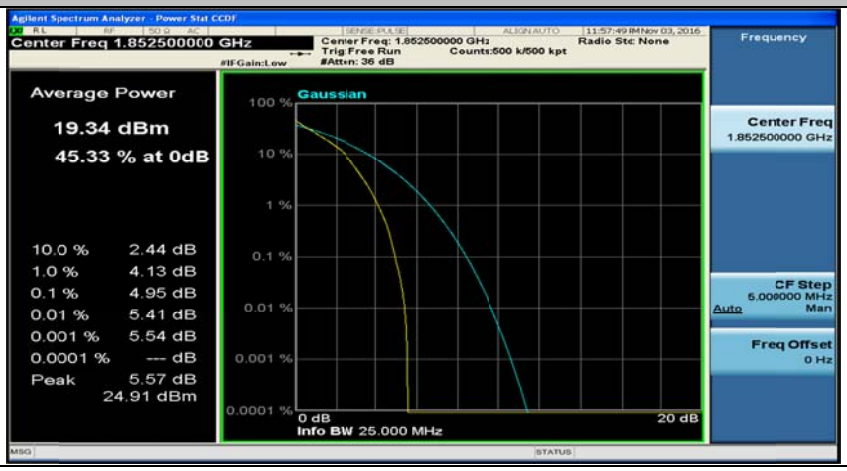
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



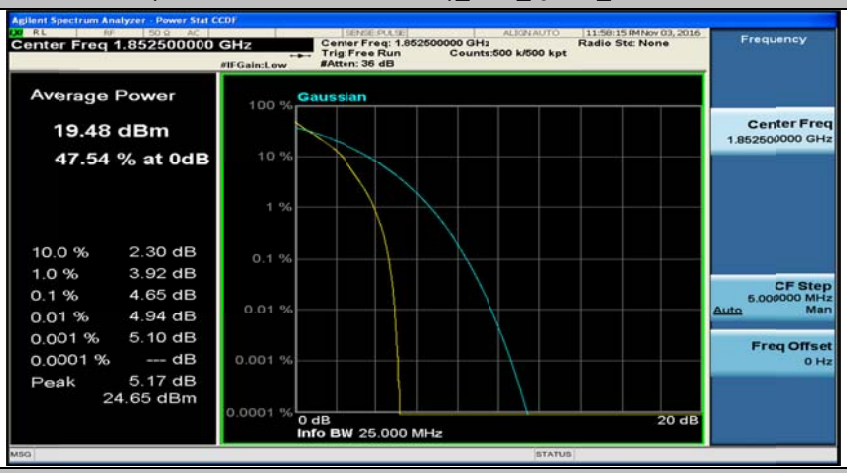
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



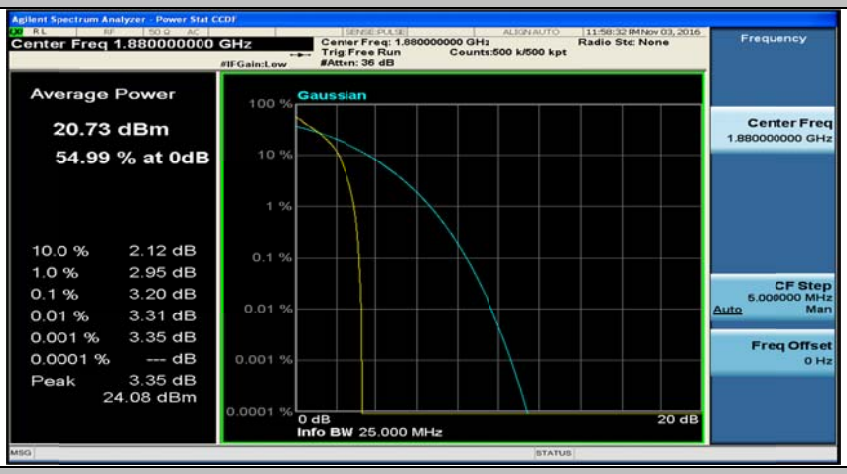
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



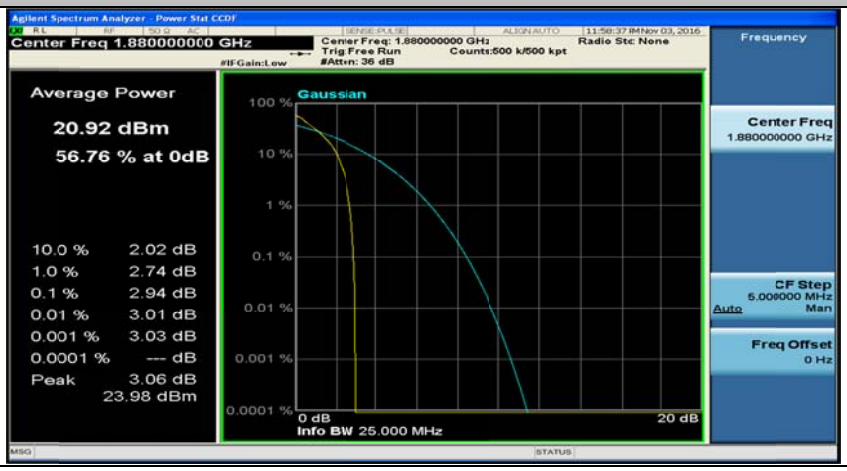
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



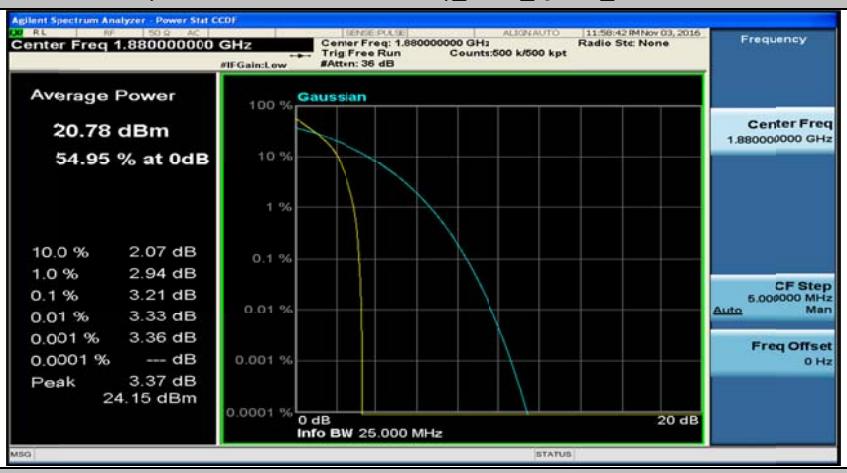
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



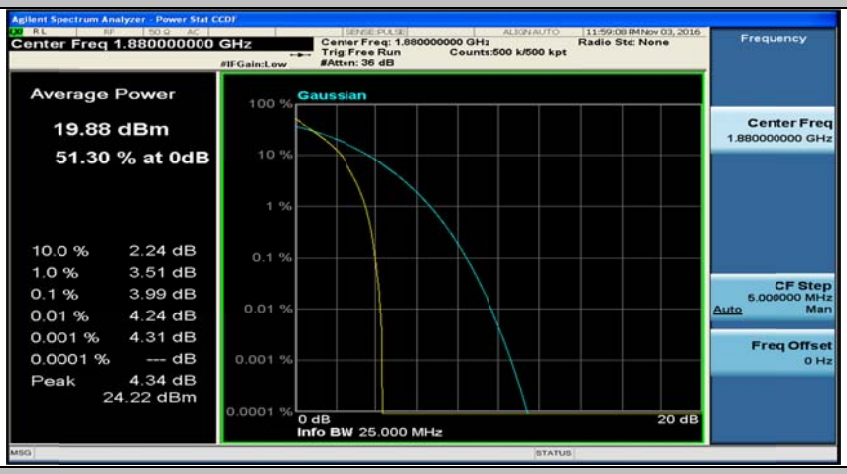
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



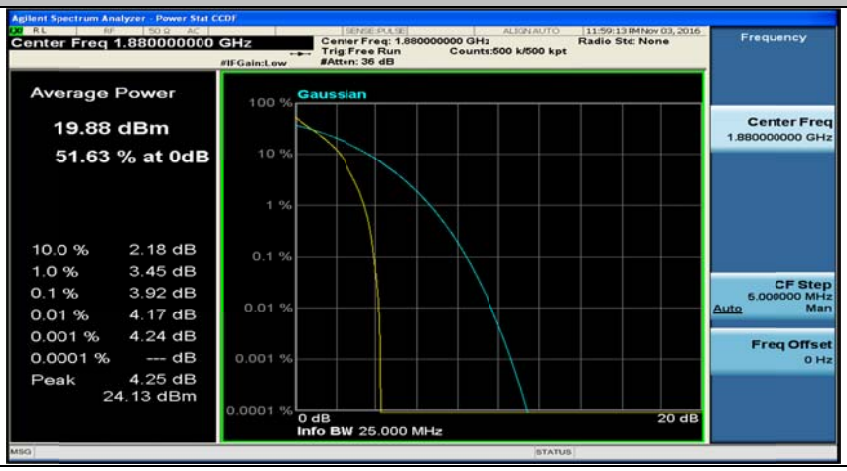
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



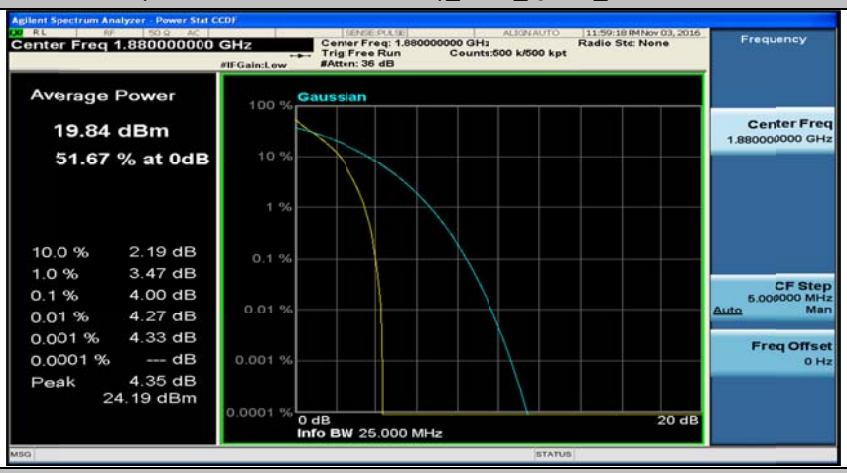
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



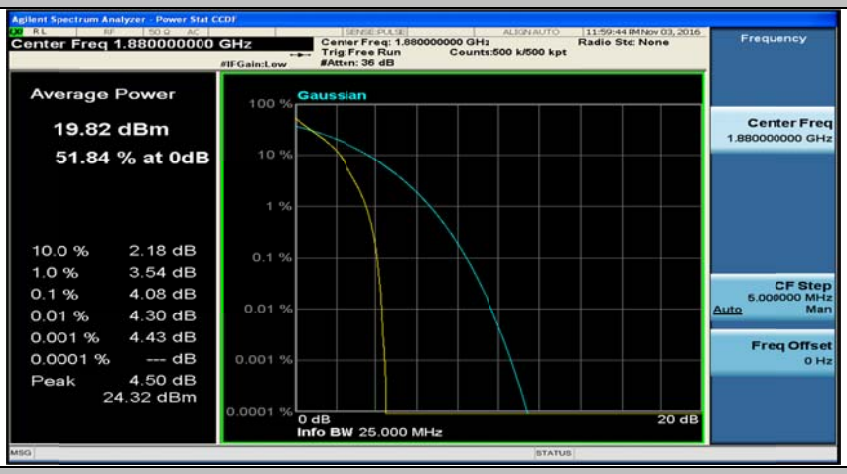
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



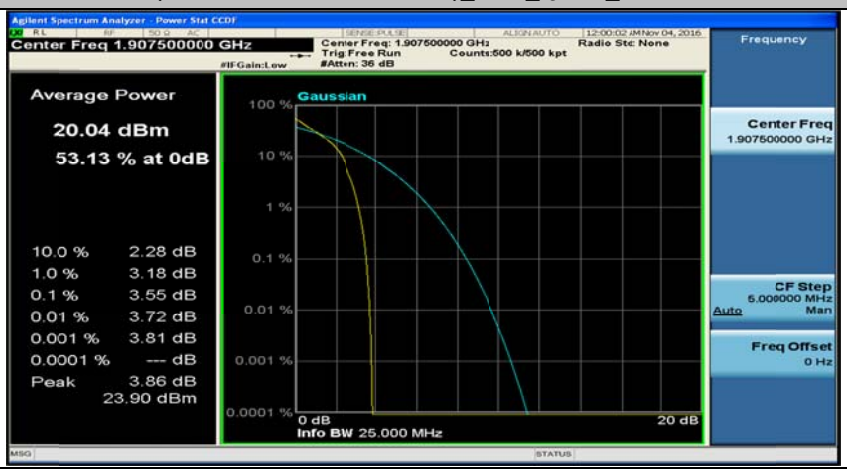
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



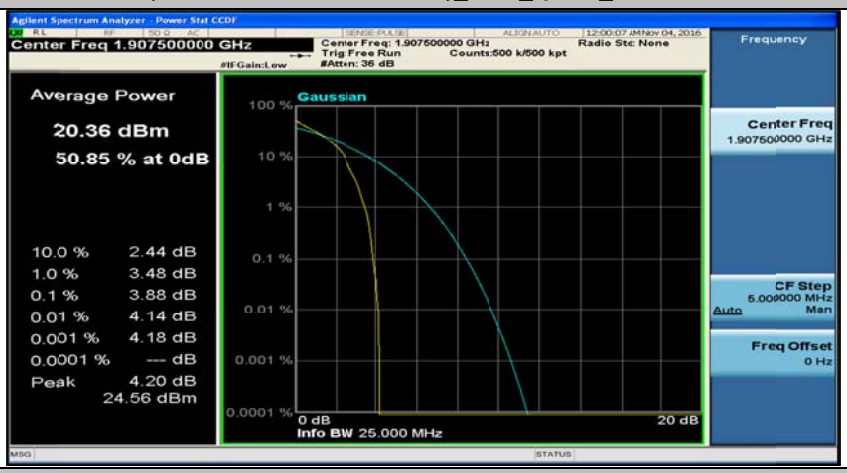
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



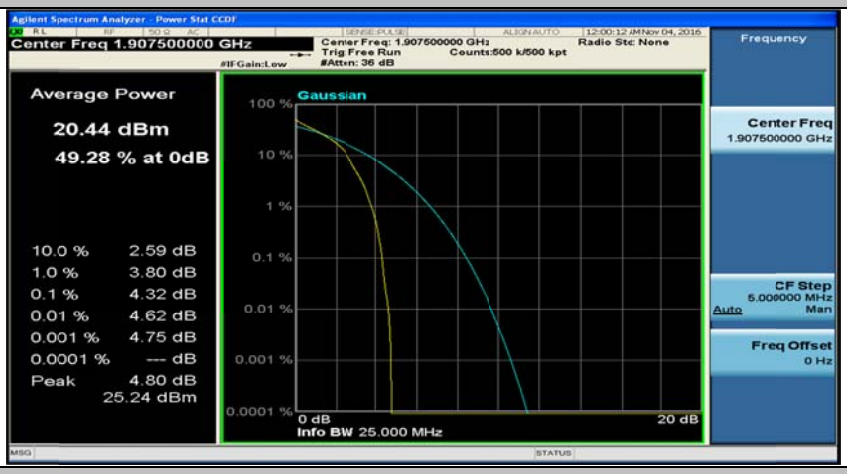
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



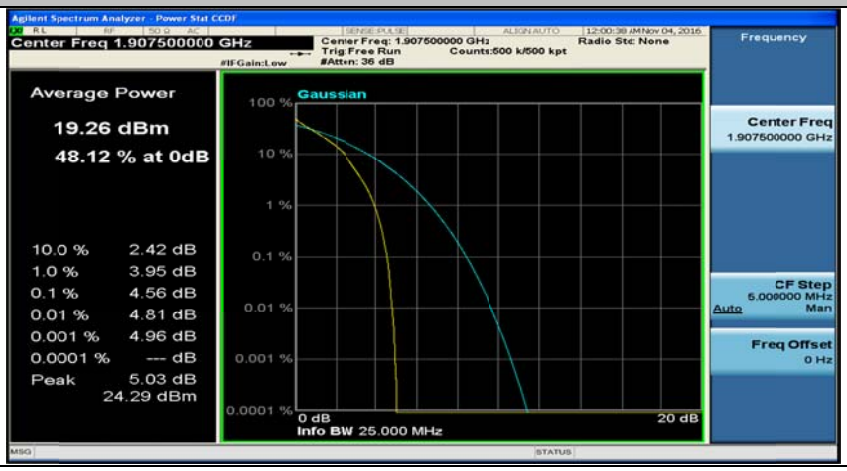
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

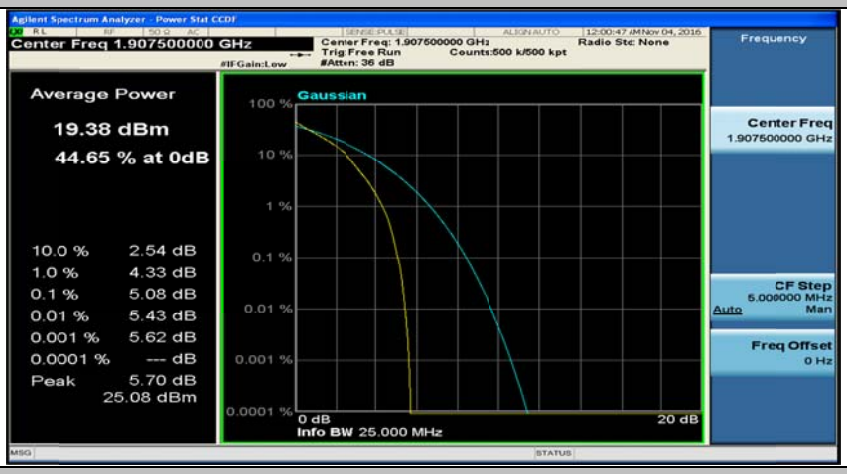


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

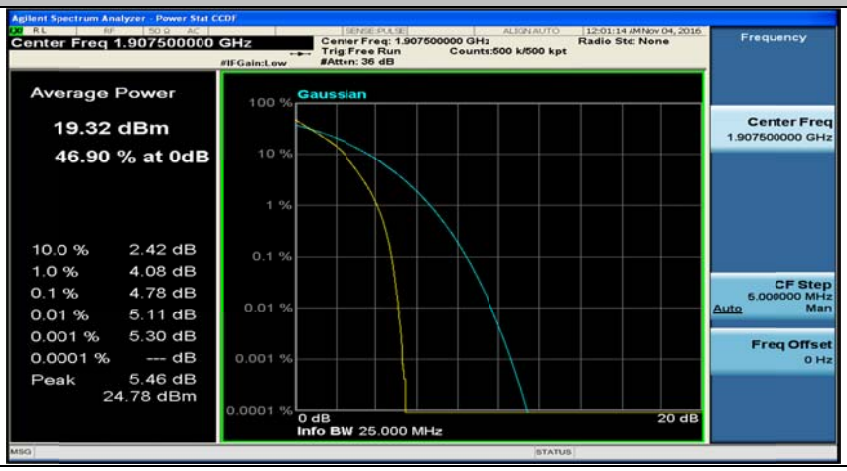


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

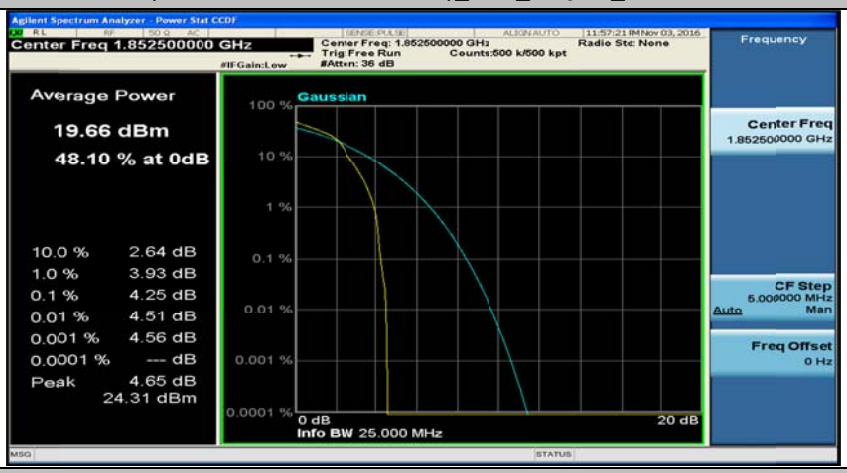
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



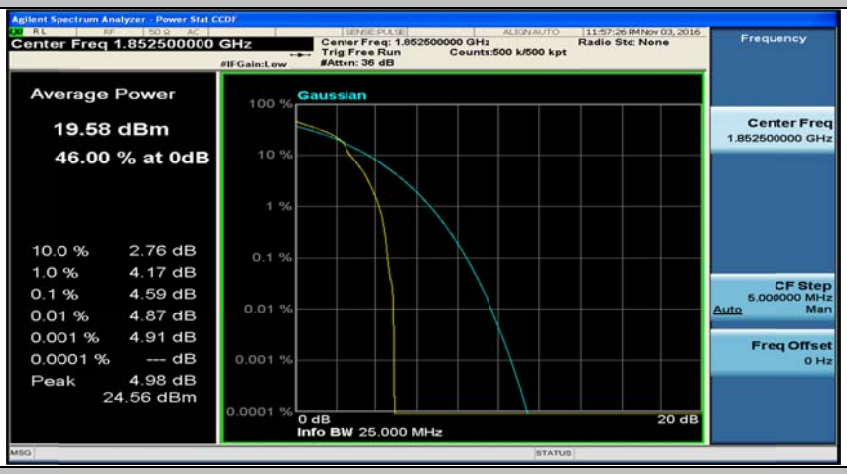
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



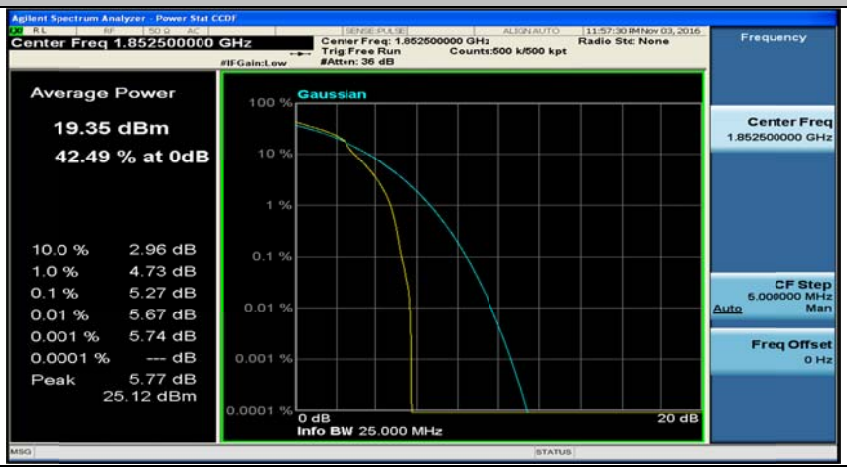
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



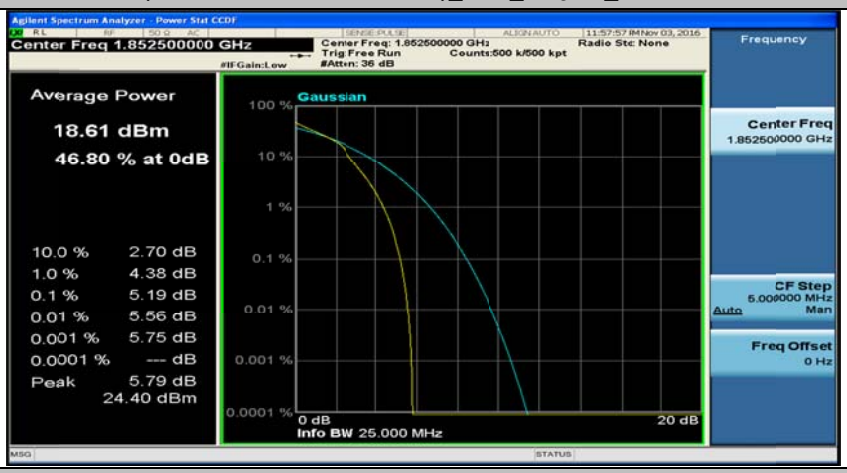
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

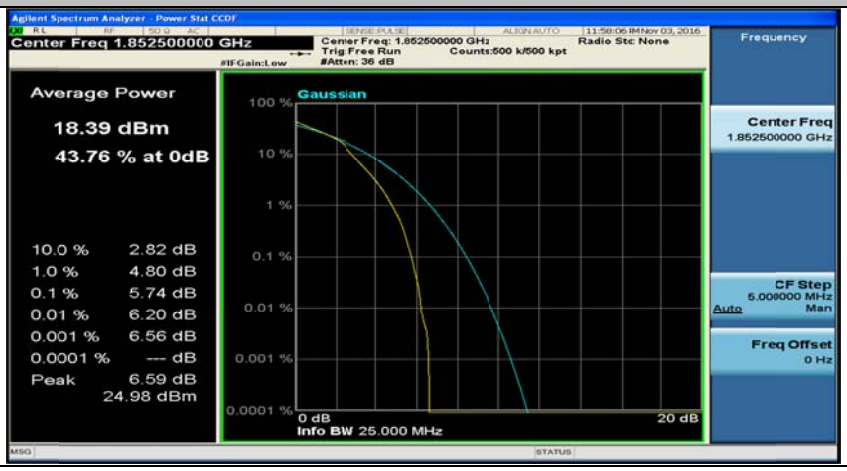


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

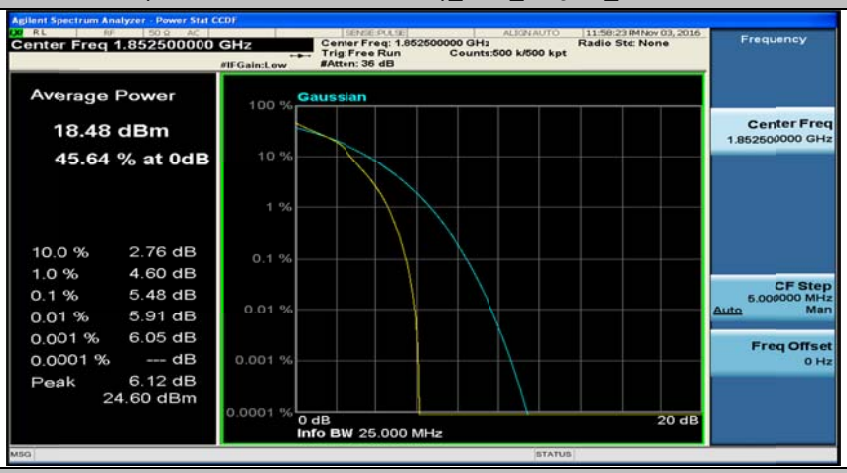


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



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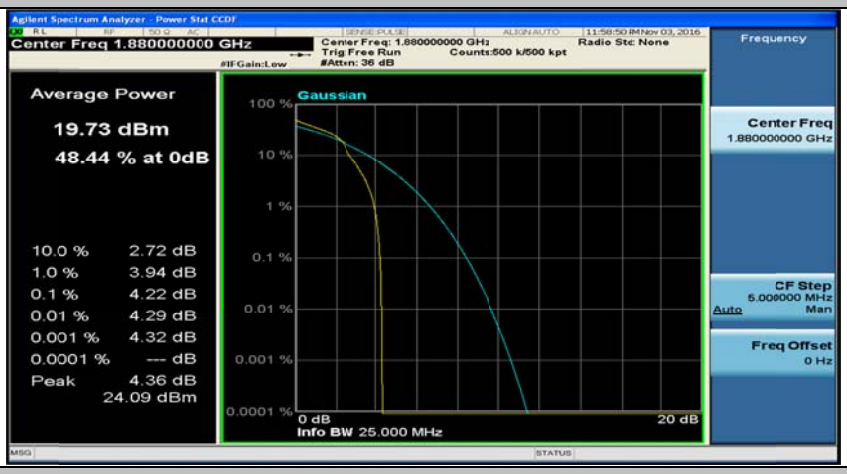
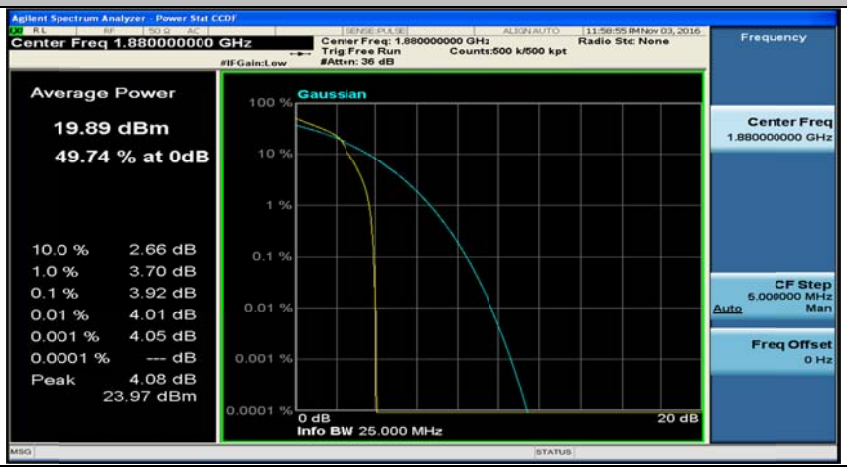
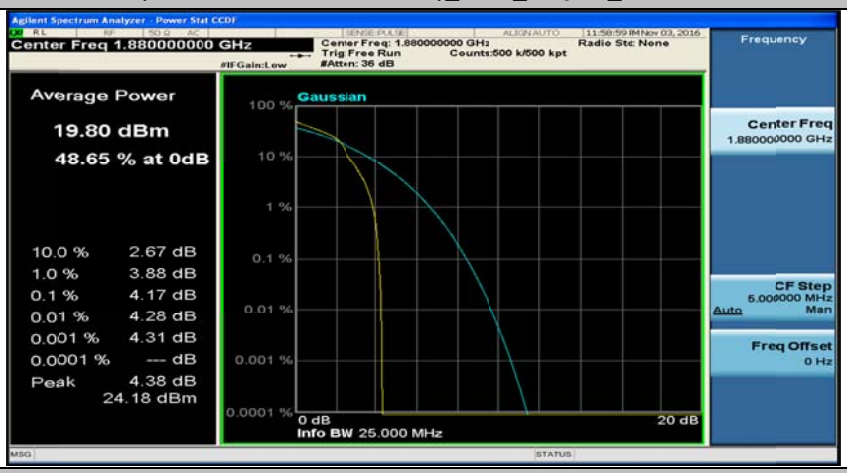


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



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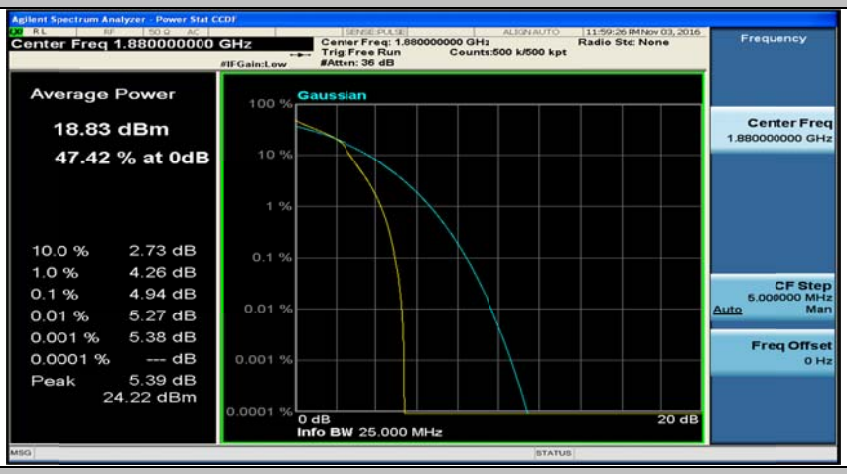
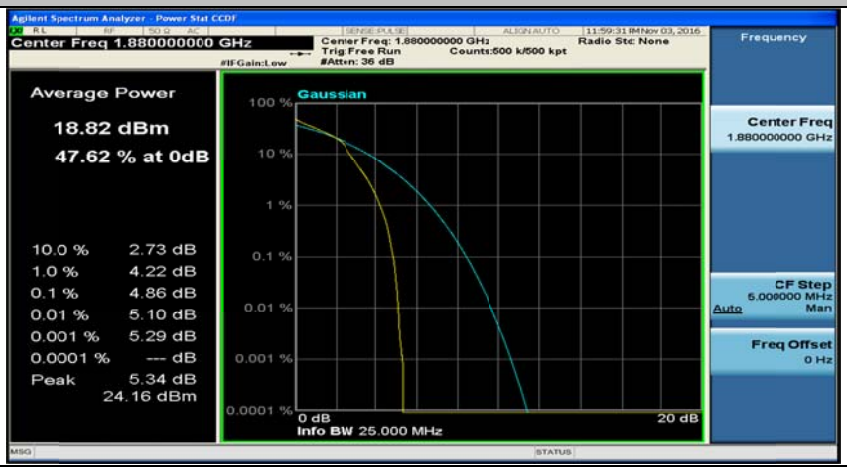
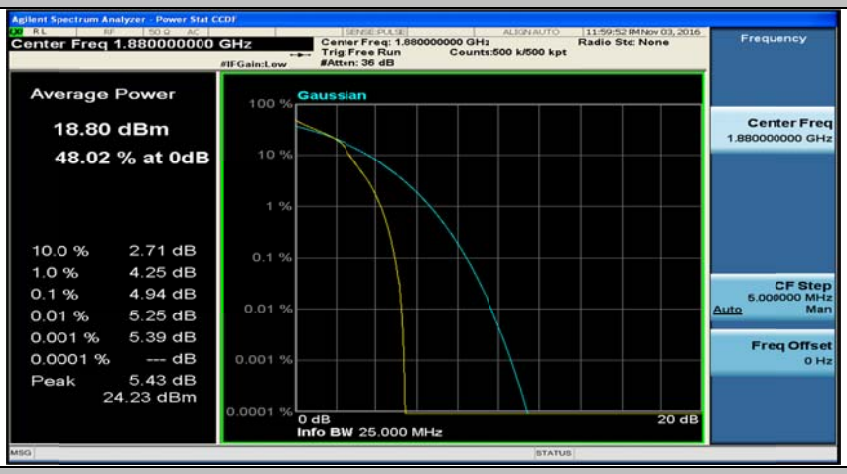


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

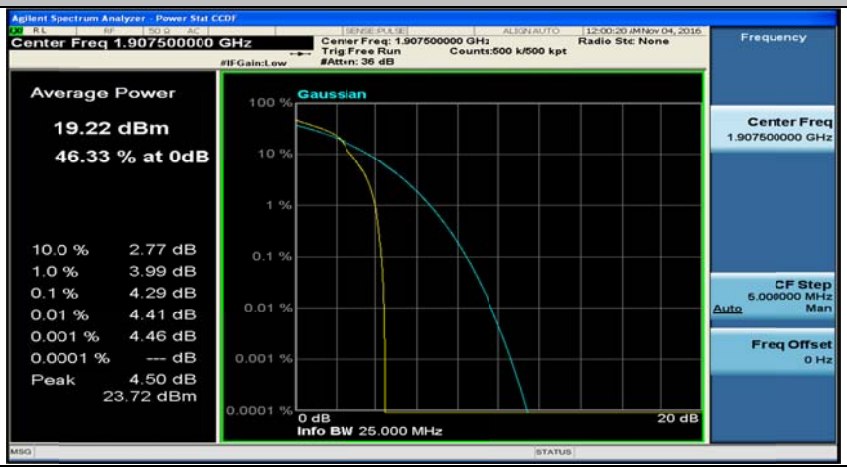


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

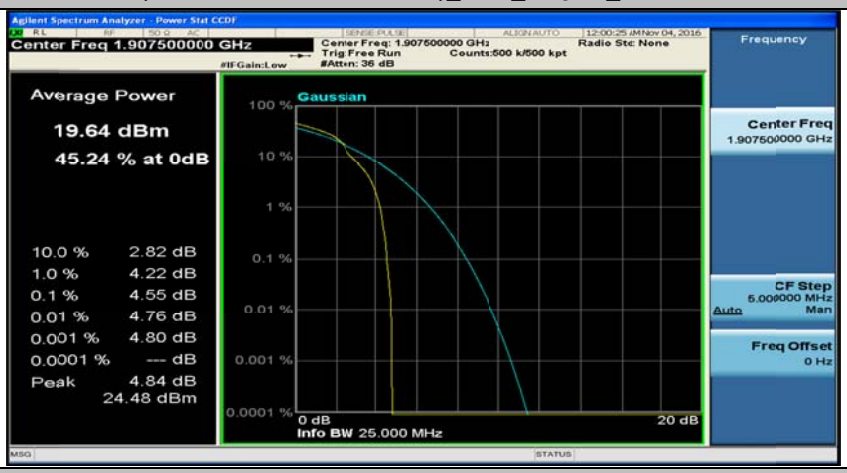
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



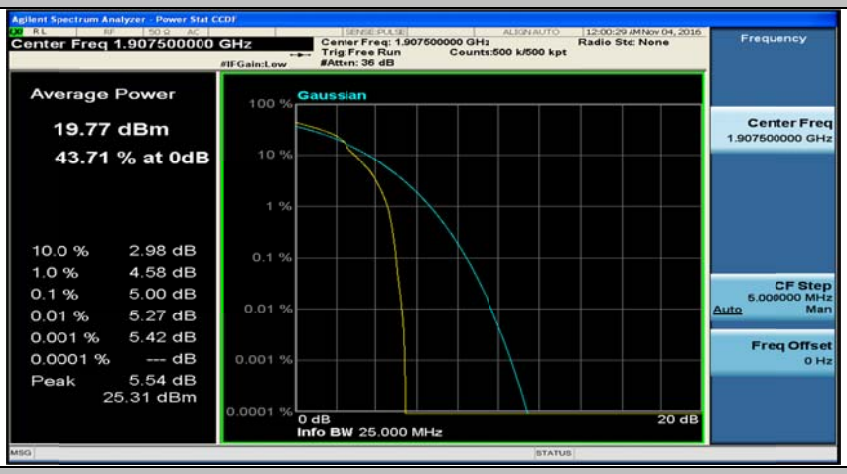
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



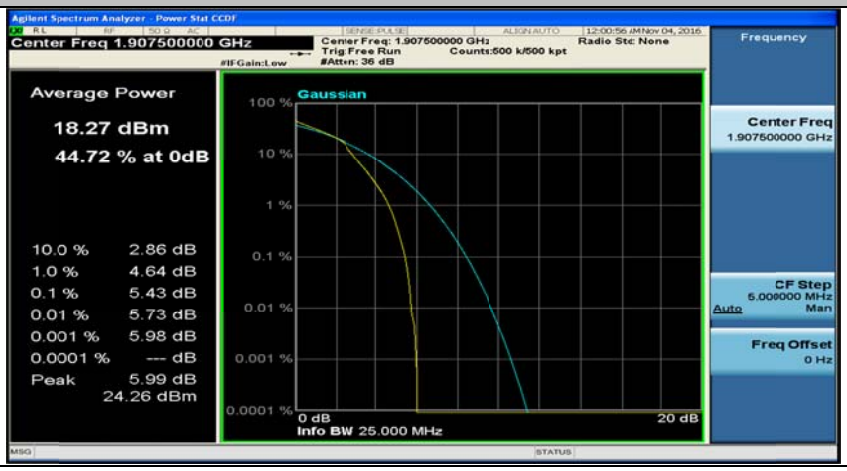
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

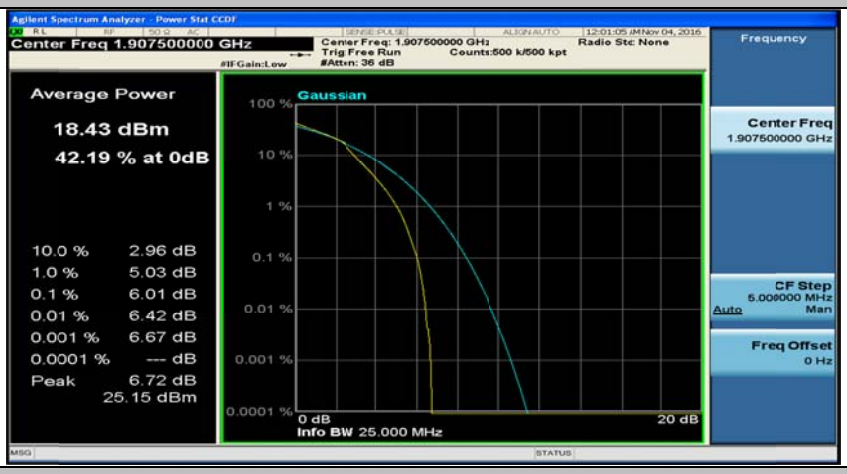
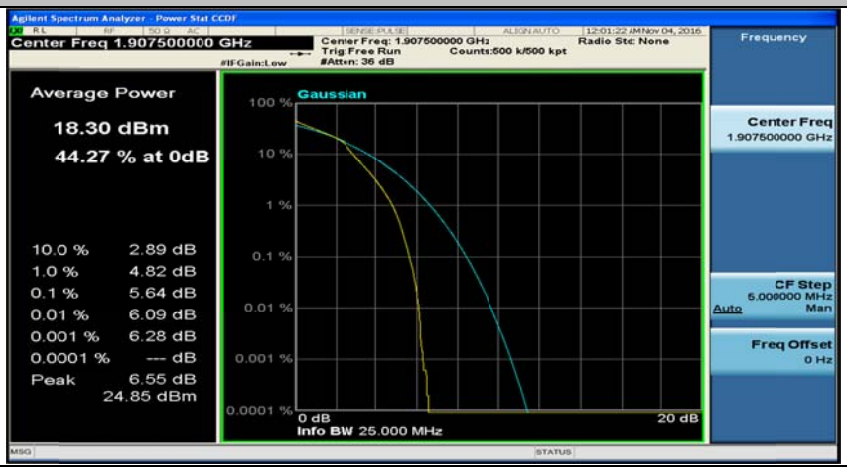


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13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