A.2: 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	<13	PASS
		1	3	4.02	<13	PASS
		1	5	4.13	<13	PASS
		3	0	4.31	<13	PASS
		3	2	4.32	<13	PASS
		3	3	4.43	<13	PASS
		6	0	5.11	<13	PASS
	MCH	1	0	3.94	<13	PASS
		1	3	4.01	<13	PASS
		1	5	4.1	<13	PASS
		3	0	4.31	<13	PASS
		3	2	4.3	<13	PASS
		3	3	4.4	<13	PASS
		6	0	4.9	<13	PASS
	HCH	1	0	4.92	<13	PASS
		1	3	5.07	<13	PASS
		1	5	5.1	<13	PASS
		3	0	5.29	<13	PASS
		3	2	5.29	<13	PASS
		3	3	5.3	<13	PASS
		6	0	5.56	<13	PASS
16QAM	LCH	1	0	4.64	<13	PASS
		1	3	4.76	<13	PASS
		1	5	4.85	<13	PASS
		3	0	5.04	<13	PASS
		3	2	5.07	<13	PASS
		3	3	5.17	<13	PASS
		6	0	5.96	<13	PASS
	MCH	1	0	4.51	<13	PASS
		1	3	4.46	<13	PASS
		1	5	4.61	<13	PASS
		3	0	4.76	<13	PASS
		3	2	4.74	<13	PASS
		3	3	4.85	<13	PASS
		6	0	5.69	<13	PASS

	HCH	1	0	5.63	<13	PASS
		1	3	5.72	<13	PASS
		1	5	5.87	<13	PASS
		3	0	6.14	<13	PASS
		3	2	6.11	<13	PASS
		3	3	6.26	<13	PASS
		6	0	6.46	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.73	<13	PASS
		1	7	4.15	<13	PASS
		1	14	4.26	<13	PASS
		8	0	4.92	<13	PASS
		8	4	5.03	<13	PASS
		8	7	5.33	<13	PASS
		15	0	5.24	<13	PASS
	MCH	1	0	3.55	<13	PASS
		1	7	3.75	<13	PASS
		1	14	3.93	<13	PASS
		8	0	4.69	<13	PASS
		8	4	4.66	<13	PASS
		8	7	4.88	<13	PASS
		15	0	5.06	<13	PASS
	HCH	1	0	4.1	<13	PASS
		1	7	4.74	<13	PASS
		1	14	4.84	<13	PASS
		8	0	5.35	<13	PASS
		8	4	5.42	<13	PASS
		8	7	5.52	<13	PASS
		15	0	5.53	<13	PASS
16QAM	LCH	1	0	4.31	<13	PASS
		1	7	4.68	<13	PASS
		1	14	4.82	<13	PASS
		8	0	5.64	<13	PASS
		8	4	5.76	<13	PASS
		8	7	5.87	<13	PASS
		15	0	6.13	<13	PASS
	MCH	1	0	4.1	<13	PASS
		1	7	4.39	<13	PASS
		1	14	4.52	<13	PASS

		8	0	5.38	<13	PASS
		8	4	5.3	<13	PASS
		8	7	5.53	<13	PASS
		15	0	5.79	<13	PASS
	HCH	1	0	4.66	<13	PASS
		1	7	5.31	<13	PASS
		1	14	5.48	<13	PASS
		8	0	6.22	<13	PASS
		8	4	6.29	<13	PASS
		8	7	6.36	<13	PASS
		15	0	6.14	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.87	<13	PASS
		1	12	4.2	<13	PASS
		1	24	4.62	<13	PASS
		12	0	4.96	<13	PASS
		12	6	5.17	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	3.76	<13	PASS
		1	12	3.87	<13	PASS
		1	24	4.36	<13	PASS
		12	0	4.81	<13	PASS
		12	6	4.63	<13	PASS
		12	13	5.05	<13	PASS
		25	0	5.16	<13	PASS
	HCH	1	0	3.74	<13	PASS
		1	12	4.44	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.19	<13	PASS
		12	13	5.47	<13	PASS
		25	0	5.34	<13	PASS
16QAM	LCH	1	0	4.63	<13	PASS
		1	12	4.92	<13	PASS
		1	24	5.32	<13	PASS
		12	0	5.8	<13	PASS
		12	6	5.94	<13	PASS

		12	13	6.08	<13	PASS
		25	0	6.15	<13	PASS
	MCH	1	0	4.33	<13	PASS
		1	12	4.4	<13	PASS
		1	24	4.94	<13	PASS
		12	0	5.39	<13	PASS
		12	6	5.32	<13	PASS
		12	13	5.7	<13	PASS
		25	0	5.78	<13	PASS
	HCH	1	0	4.31	<13	PASS
		1	12	4.99	<13	PASS
		1	24	5.49	<13	PASS
		12	0	5.74	<13	PASS
		12	6	5.95	<13	PASS
		12	13	6.28	<13	PASS
		25	0	6.08	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.01	<13	PASS
		1	24	4.58	<13	PASS
		1	49	4.95	<13	PASS
		25	0	5.31	<13	PASS
		25	12	5.47	<13	PASS
		25	25	5.55	<13	PASS
		50	0	5.59	<13	PASS
	MCH	1	0	3.74	<13	PASS
		1	24	3.95	<13	PASS
		1	49	4.83	<13	PASS
		25	0	4.65	<13	PASS
		25	12	4.94	<13	PASS
		25	25	5.31	<13	PASS
		50	0	5.27	<13	PASS
	HCH	1	0	3.75	<13	PASS
		1	24	3.41	<13	PASS
		1	49	4.85	<13	PASS
		25	0	4.61	<13	PASS
		25	12	4.69	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.2	<13	PASS

16QAM	LCH	1	0	4.62	<13	PASS
		1	24	5.42	<13	PASS
		1	49	5.47	<13	PASS
		25	0	6.03	<13	PASS
		25	12	6.18	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.24	<13	PASS
	MCH	1	0	4.3	<13	PASS
		1	24	4.33	<13	PASS
		1	49	5.42	<13	PASS
		25	0	5.44	<13	PASS
		25	12	5.48	<13	PASS
		25	25	5.9	<13	PASS
		50	0	5.9	<13	PASS
	HCH	1	0	4.45	<13	PASS
		1	24	4.03	<13	PASS
		1	49	5.64	<13	PASS
		25	0	5.11	<13	PASS
		25	12	5.19	<13	PASS
		25	25	5.94	<13	PASS
		50	0	5.73	<13	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.94	<13	PASS
		1	37	4.72	<13	PASS
		1	74	4.87	<13	PASS
		37	0	4.73	<13	PASS
		37	18	5.06	<13	PASS
		37	38	4.66	<13	PASS
		75	0	4.89	<13	PASS
	MCH	1	0	4.88	<13	PASS
		1	37	4.43	<13	PASS
		1	74	4.95	<13	PASS
		37	0	4.83	<13	PASS
		37	18	5.06	<13	PASS
		37	38	4.93	<13	PASS
		75	0	4.99	<13	PASS
	HCH	1	0	4.96	<13	PASS
		1	37	4.66	<13	PASS

		1	74	5.84	<13	PASS
		37	0	4.73	<13	PASS
		37	18	4.94	<13	PASS
		37	38	4.94	<13	PASS
		75	0	4.98	<13	PASS
16QAM	LCH	1	0	6.69	<13	PASS
		1	37	5.4	<13	PASS
		1	74	6.13	<13	PASS
		37	0	5.95	<13	PASS
		37	18	5.87	<13	PASS
		37	38	5.87	<13	PASS
		75	0	6.14	<13	PASS
	MCH	1	0	6.37	<13	PASS
		1	37	5.72	<13	PASS
		1	74	6.14	<13	PASS
		37	0	6.12	<13	PASS
		37	18	6.02	<13	PASS
		37	38	6.22	<13	PASS
		75	0	6.35	<13	PASS
	HCH	1	0	5.85	<13	PASS
		1	37	5.7	<13	PASS
		1	74	6.72	<13	PASS
		37	0	5.94	<13	PASS
		37	18	5.87	<13	PASS
		37	38	6.16	<13	PASS
		75	0	6.28	<13	PASS

Channel Bandwidth: 20 MHz

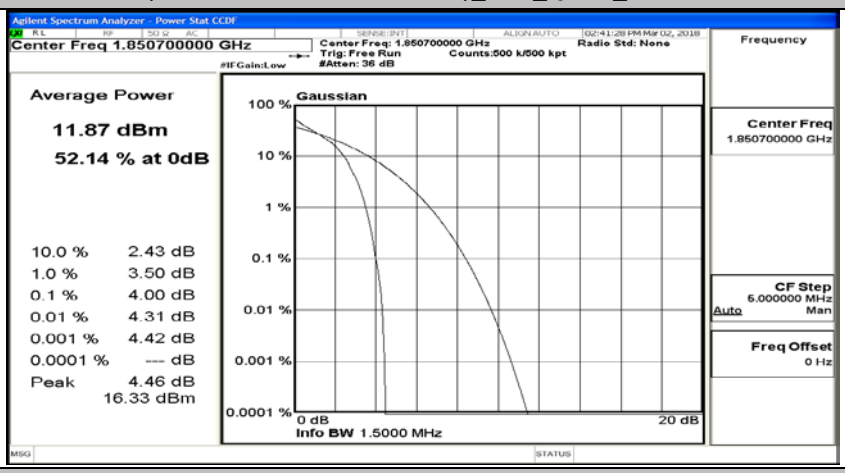
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	12.91	<13	PASS
		1	49	4.56	<13	PASS
		1	99	9	<13	PASS
		50	0	5.46	<13	PASS
		50	25	5.21	<13	PASS
		50	50	5.7	<13	PASS
		100	0	5.62	<13	PASS
	MCH	1	0	12.99	<13	PASS
		1	49	4.87	<13	PASS
		1	99	5.26	<13	PASS
		50	0	5.7	<13	PASS
		50	25	5.1	<13	PASS
		50	50	6	<13	PASS
		100	0	5.75	<13	PASS
	HCH	1	0	12.97	<13	PASS
		1	49	3.79	<13	PASS
		1	99	12.68	<13	PASS
		50	0	5.63	<13	PASS
		50	25	5.14	<13	PASS
		50	50	5.88	<13	PASS
		100	0	5.72	<13	PASS
16QAM	LCH	1	0	12.72	<13	PASS
		1	49	5.21	<13	PASS
		1	99	12.6	<13	PASS
		50	0	6.5	<13	PASS
		50	25	6	<13	PASS
		50	50	6.51	<13	PASS
		100	0	6.66	<13	PASS
	MCH	1	0	6.33	<13	PASS
		1	49	5.6	<13	PASS
		1	99	11.3	<13	PASS
		50	0	6.77	<13	PASS
		50	25	6	<13	PASS
		50	50	6.94	<13	PASS
		100	0	6.99	<13	PASS
	HCH	1	0	12.85	<13	PASS
		1	49	4.63	<13	PASS
		1	99	11.61	<13	PASS

		50	0	6.7	<13	PASS
		50	25	6.02	<13	PASS
		50	50	6.8	<13	PASS
		100	0	6.81	<13	PASS

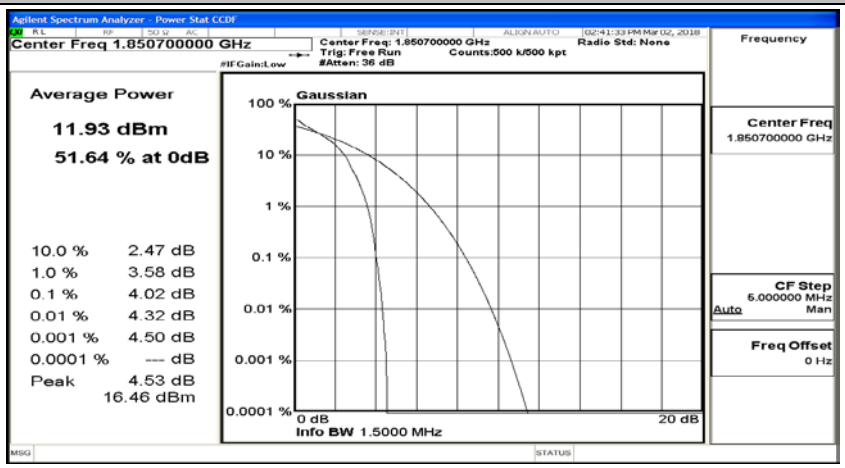
Test Graphs

Channel Bandwidth: 1.4 MHz

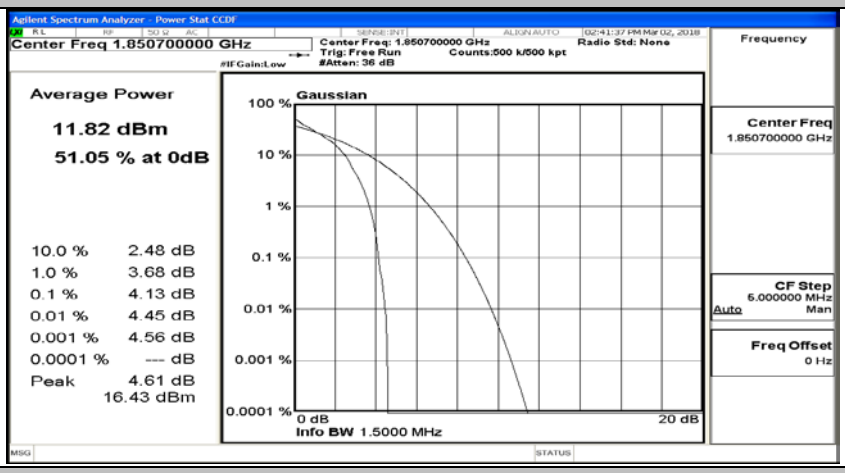
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



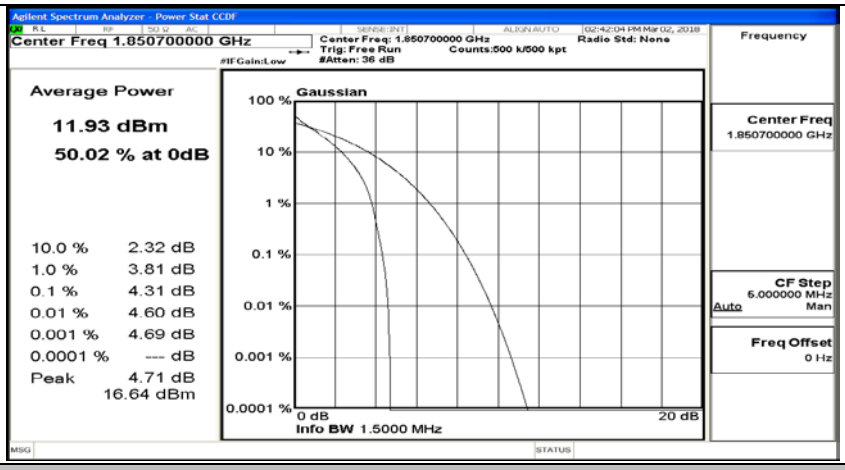
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



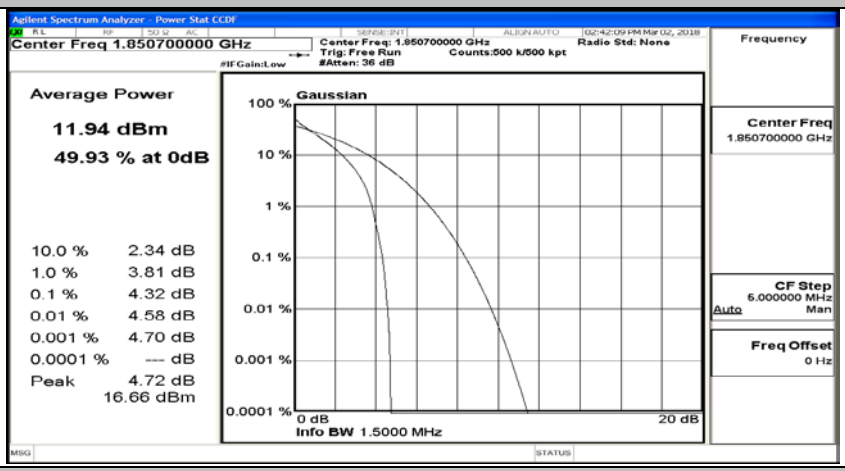
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



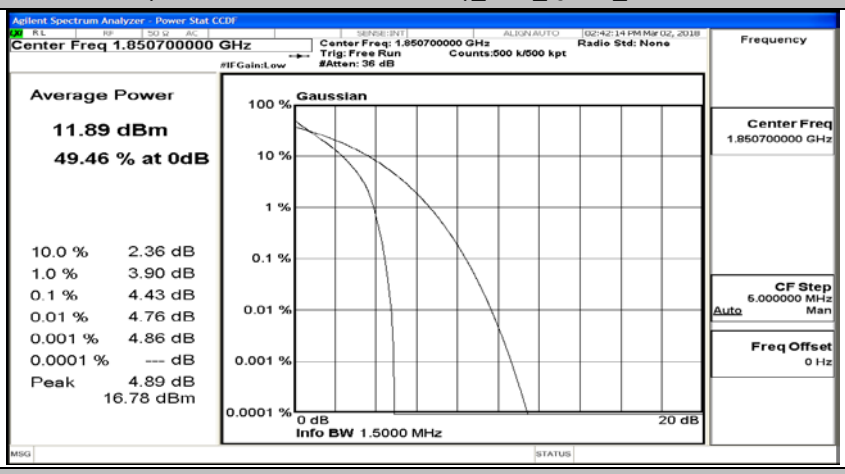
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



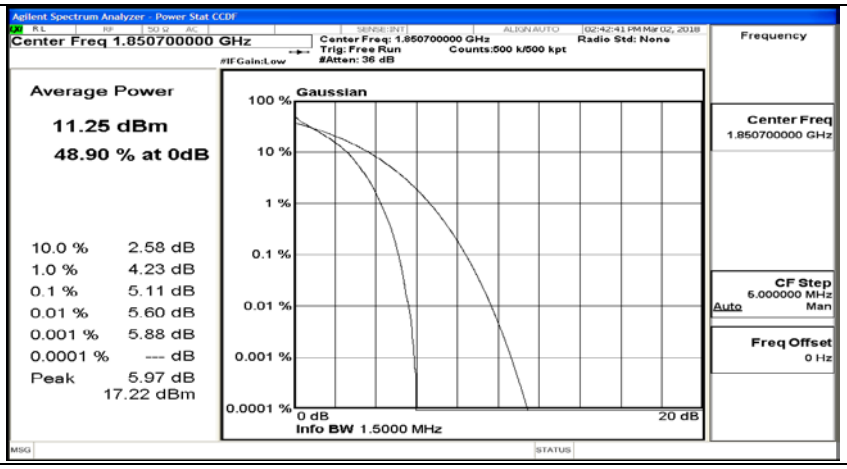
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



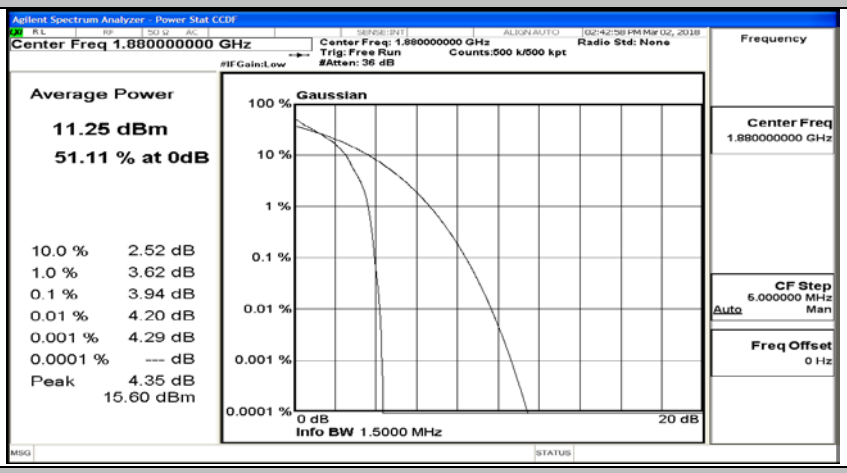
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



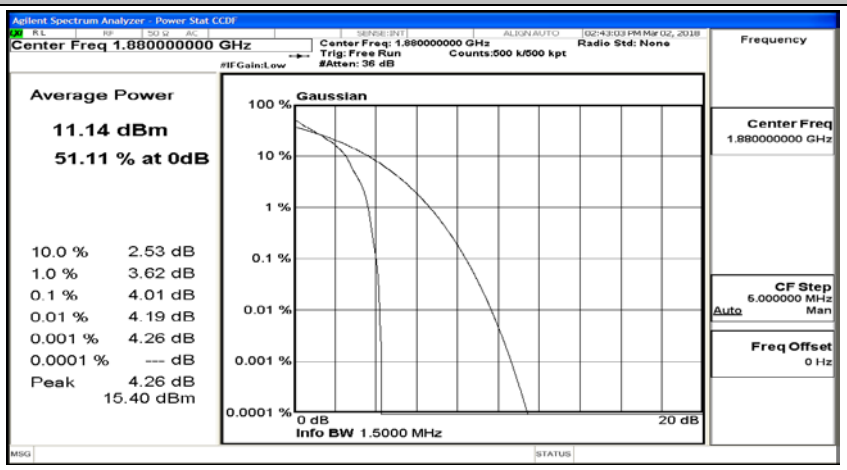
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



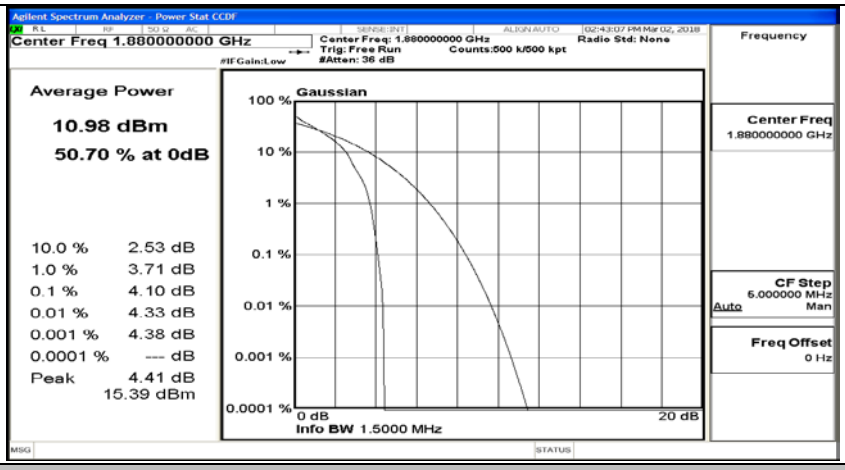
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



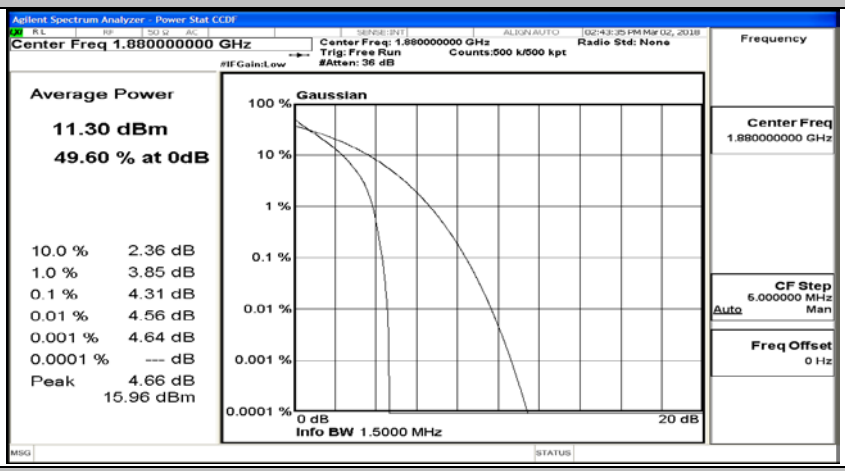
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



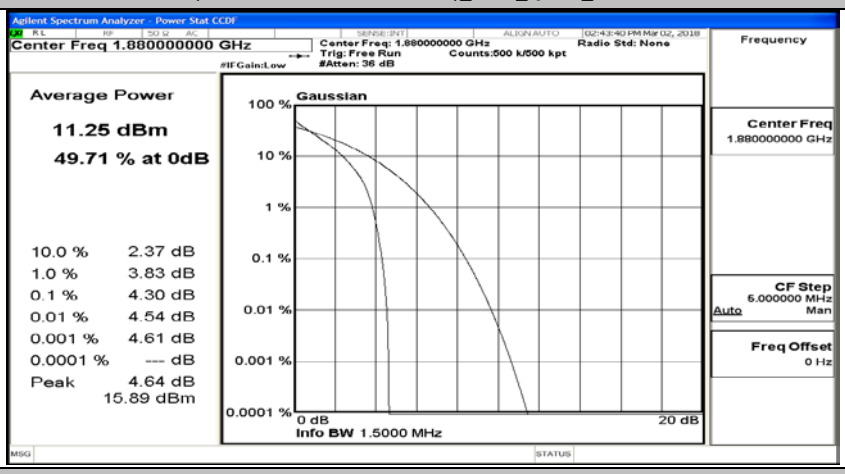
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



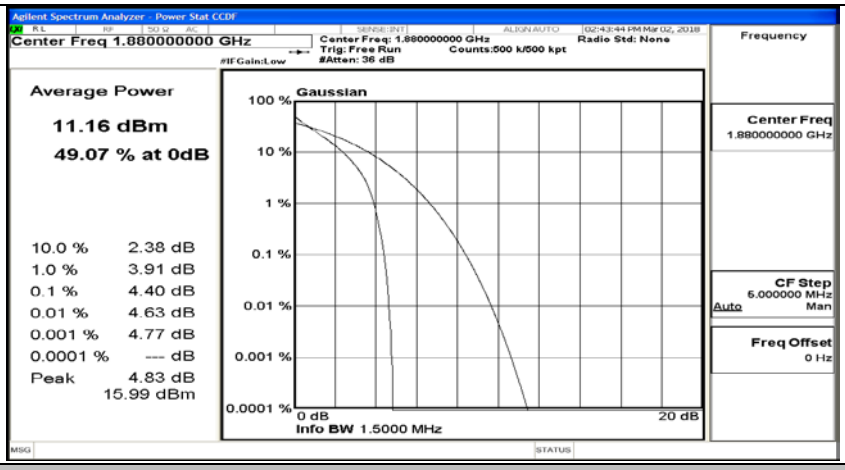
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



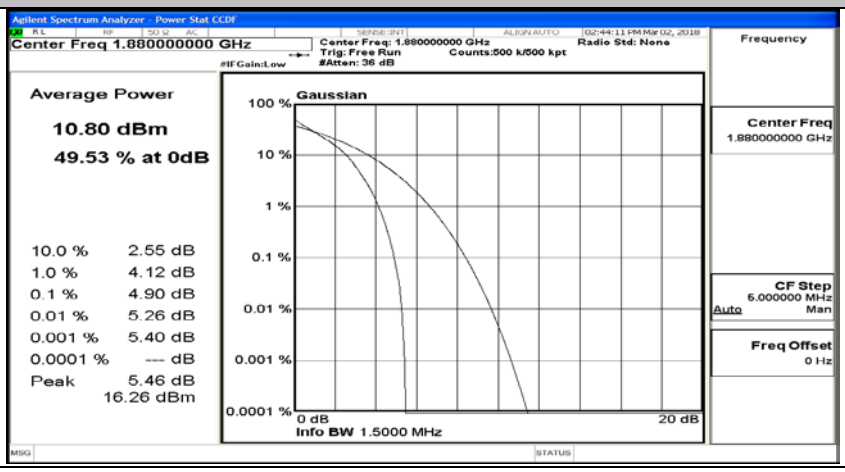
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



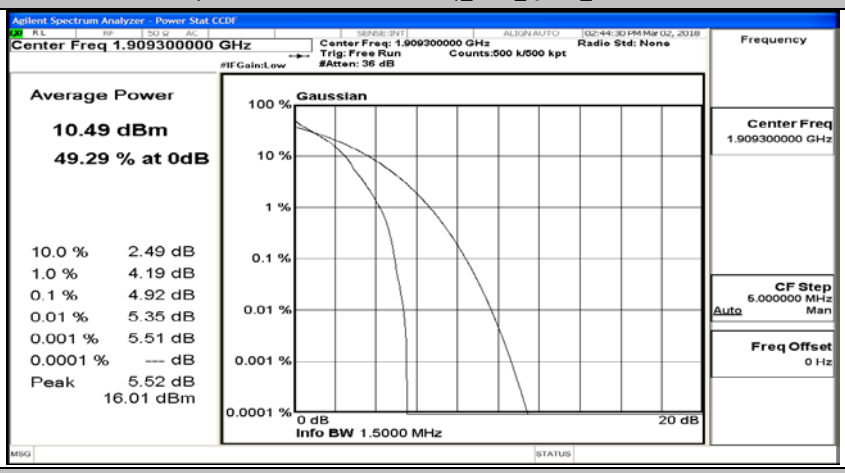
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



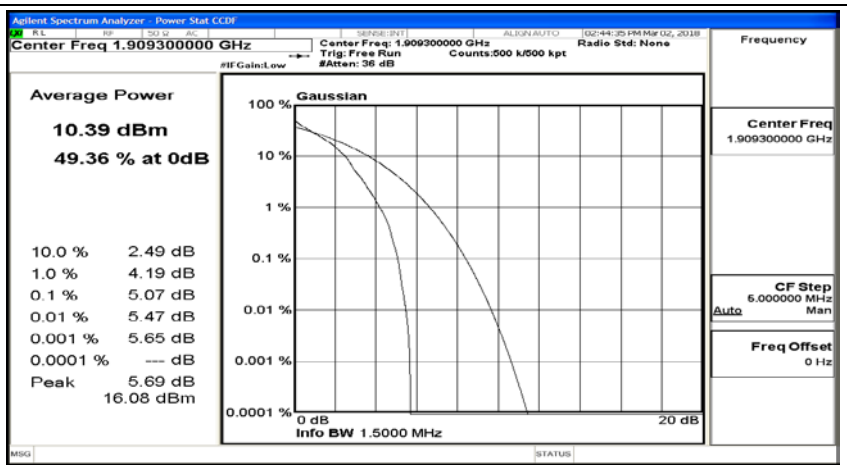
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



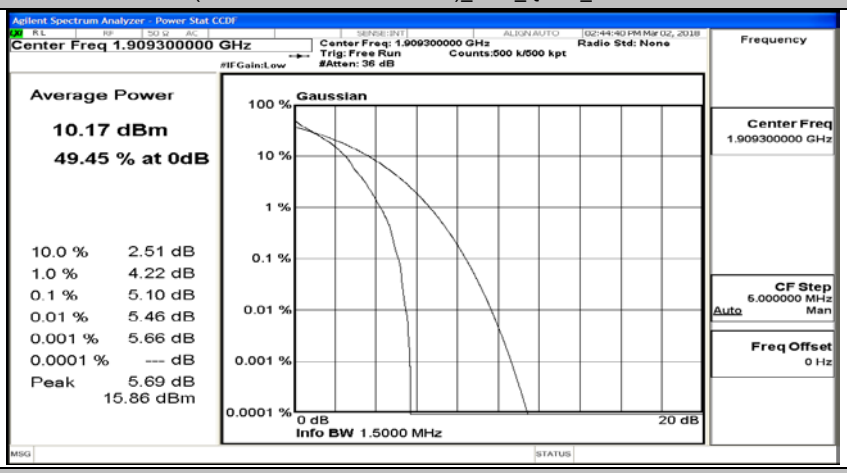
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



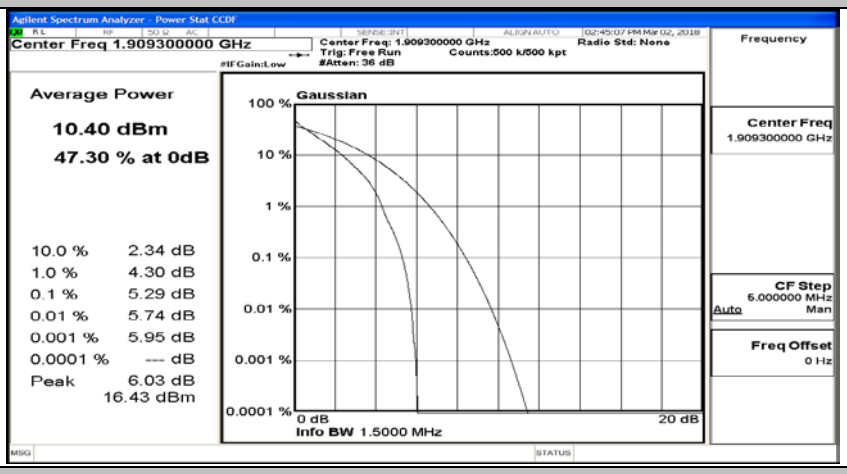
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



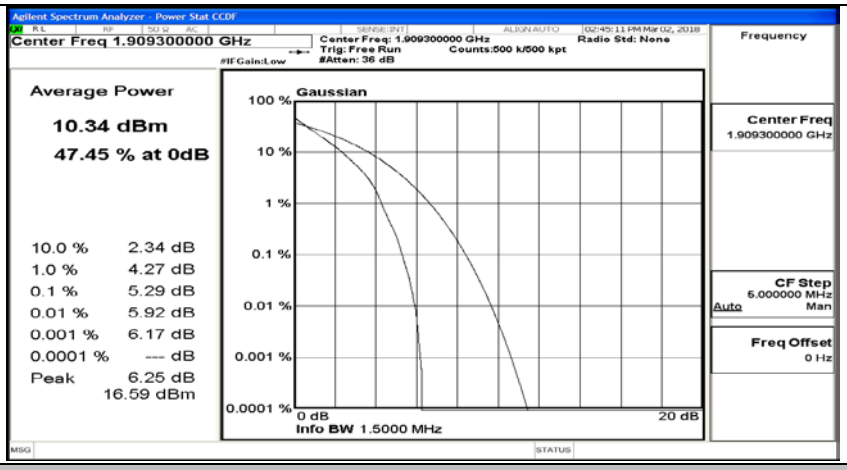
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



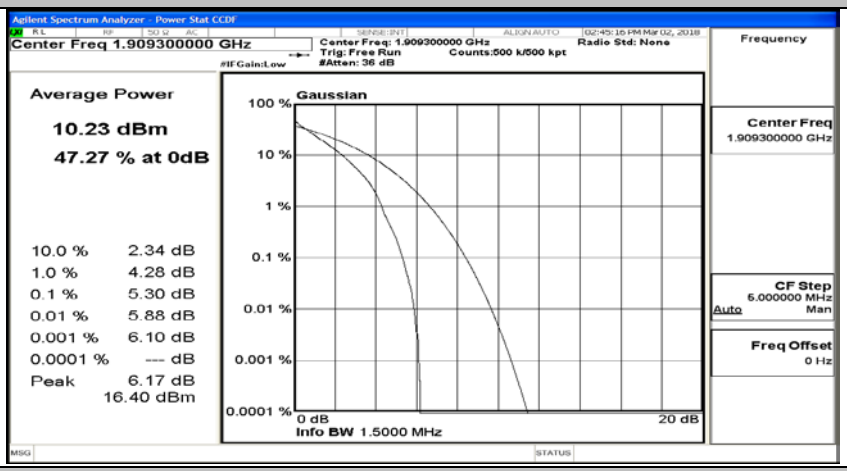
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



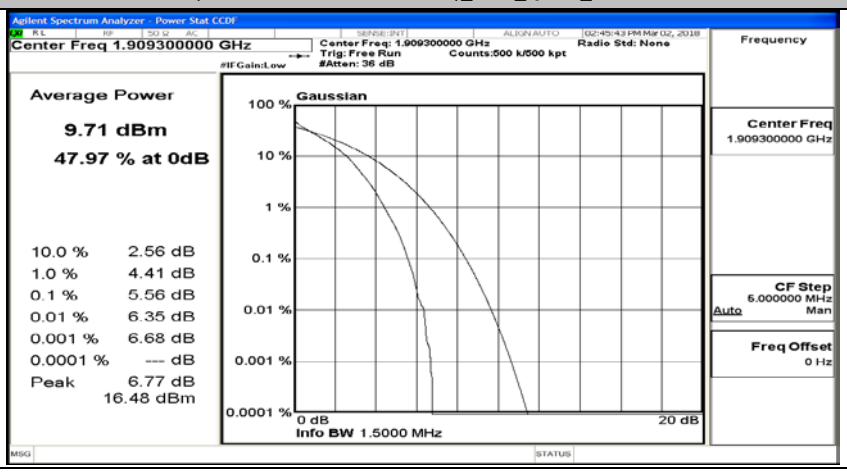
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



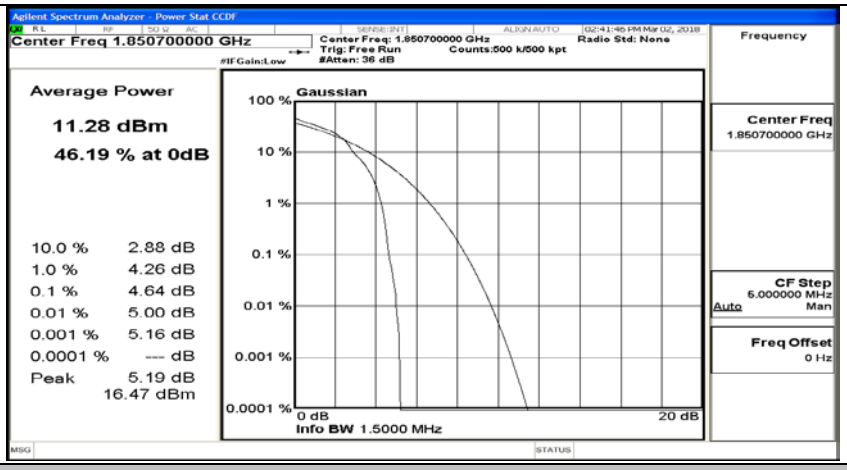
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



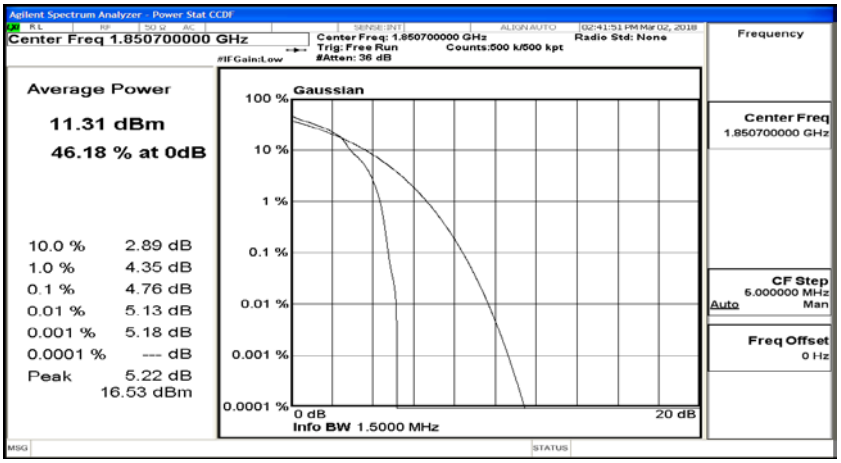
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



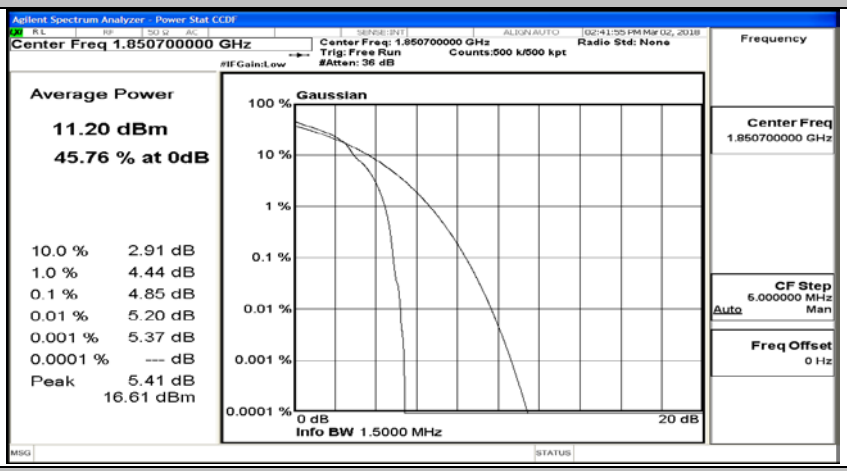
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



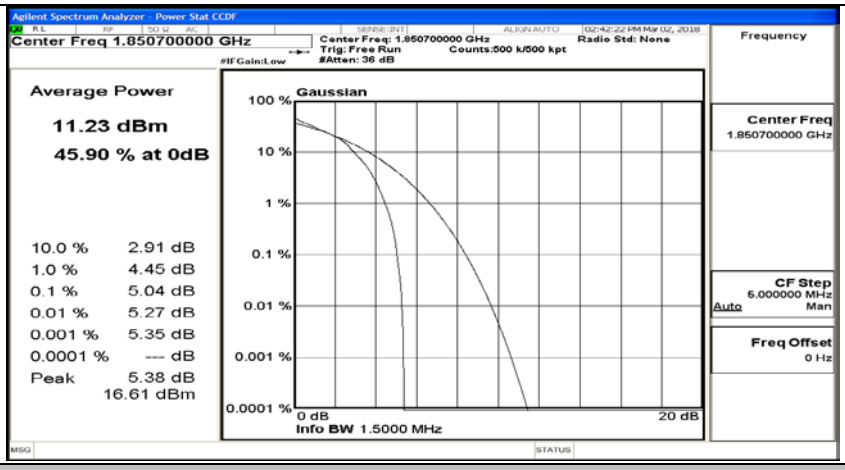
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



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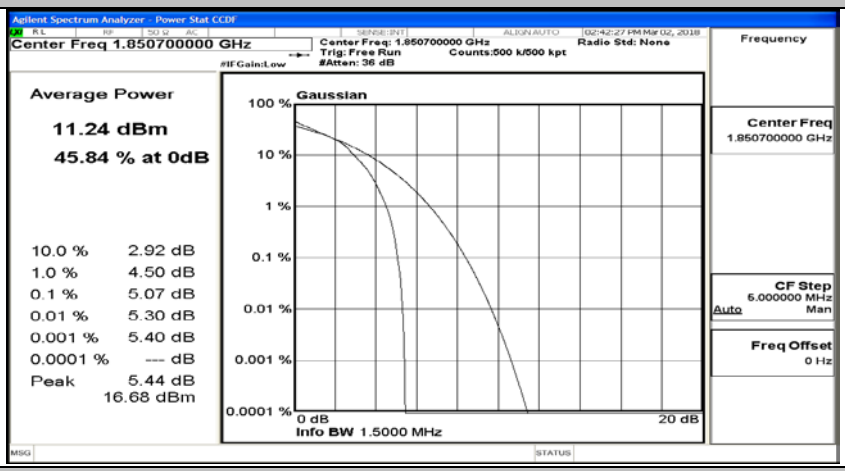
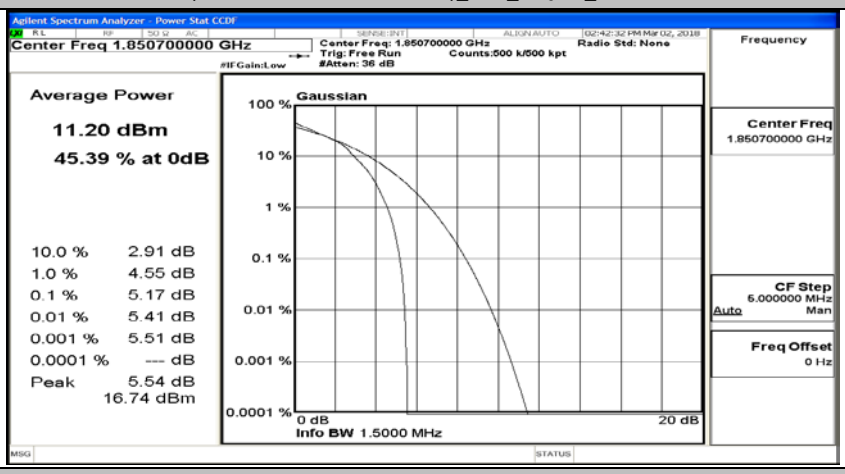


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



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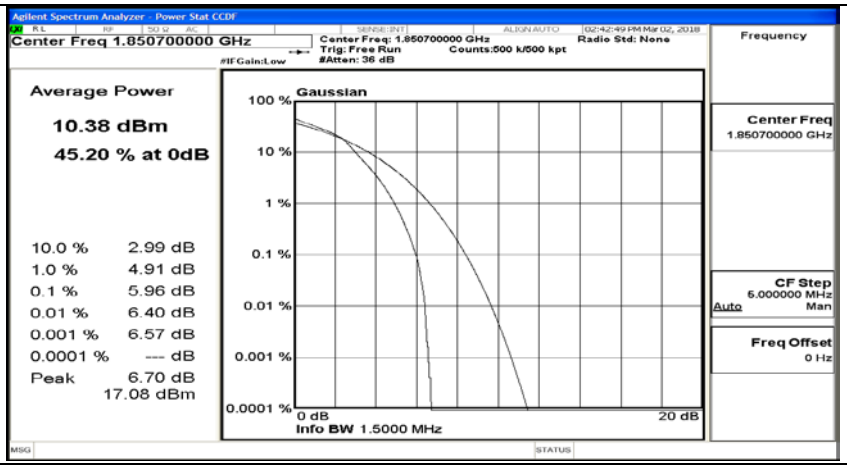
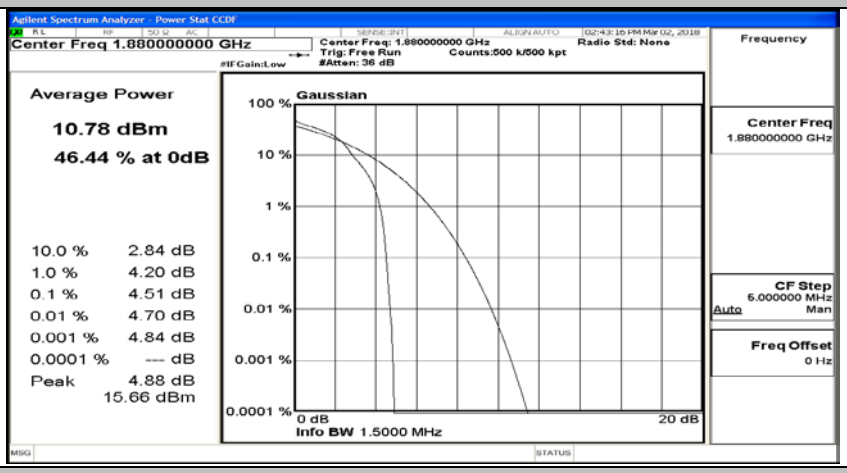
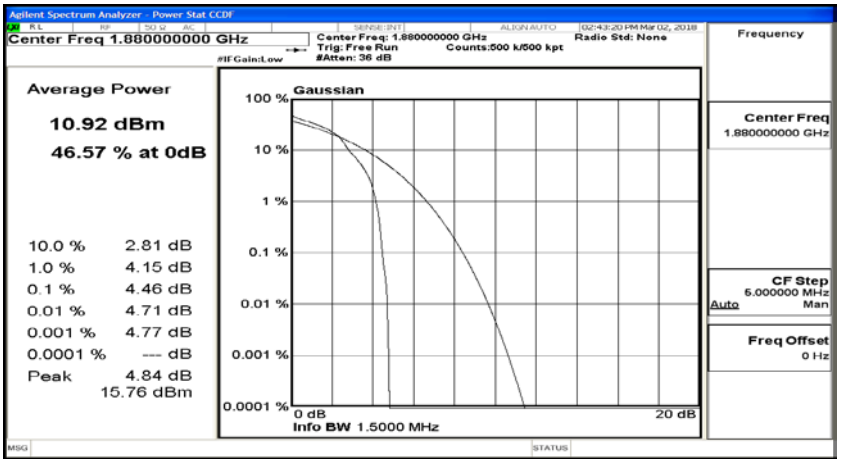


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



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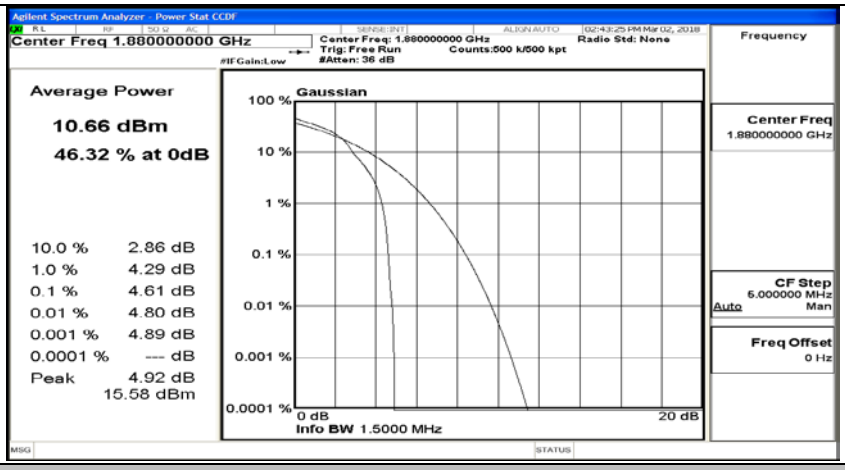
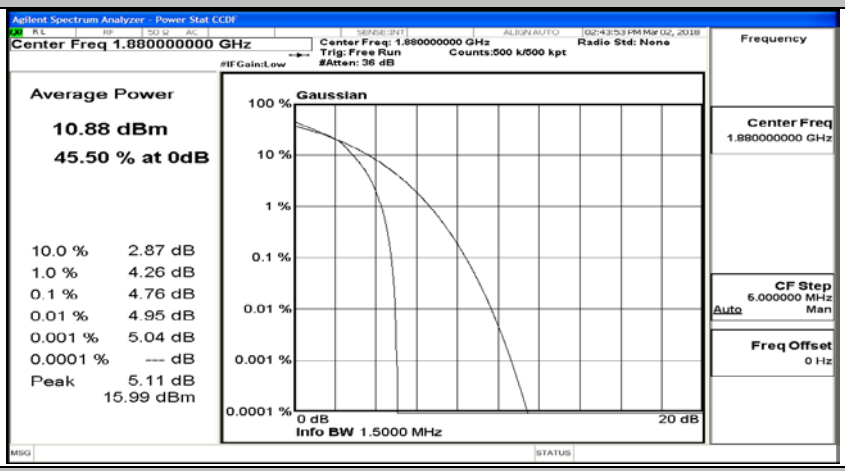
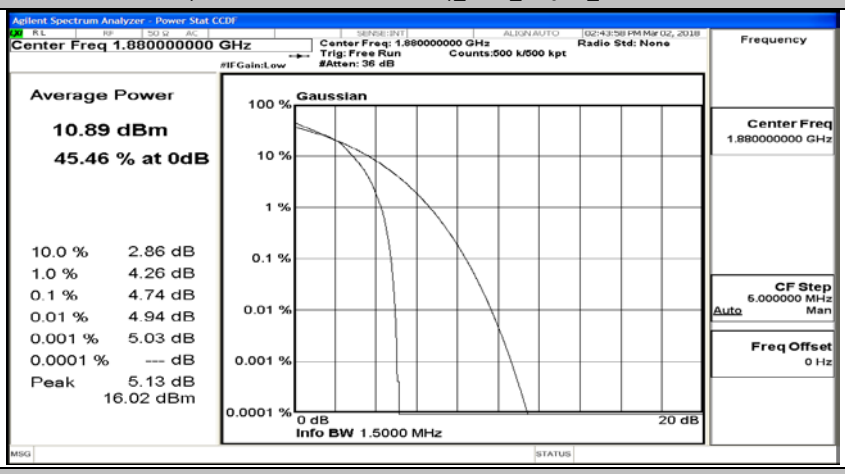


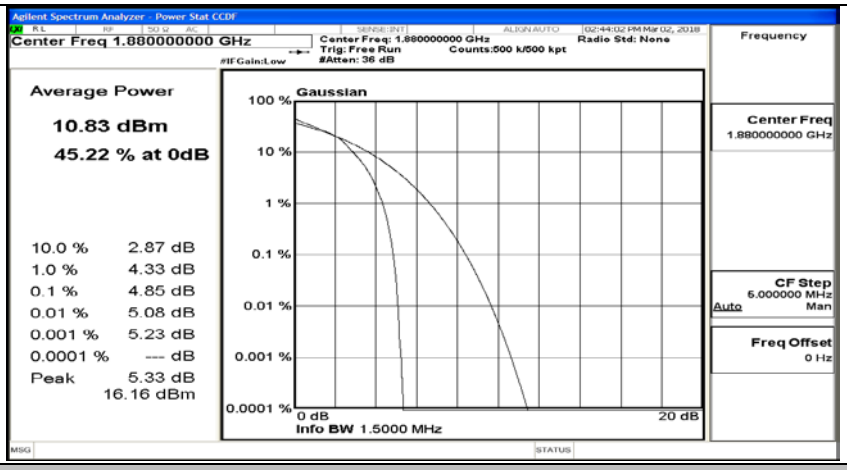
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



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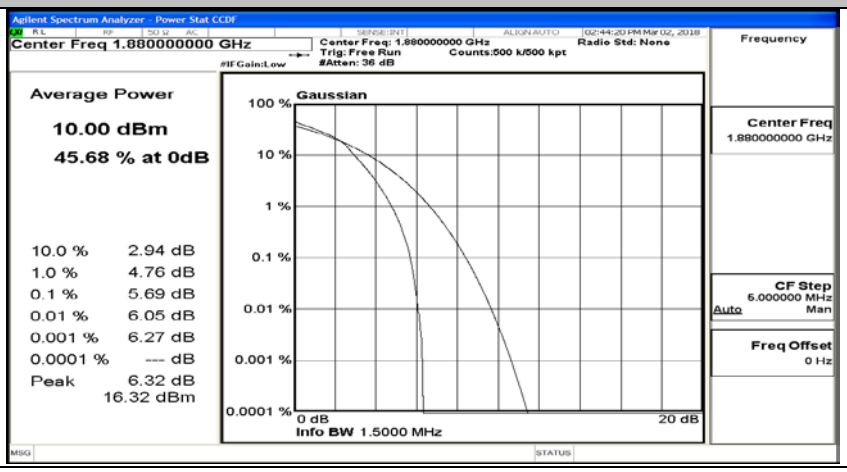
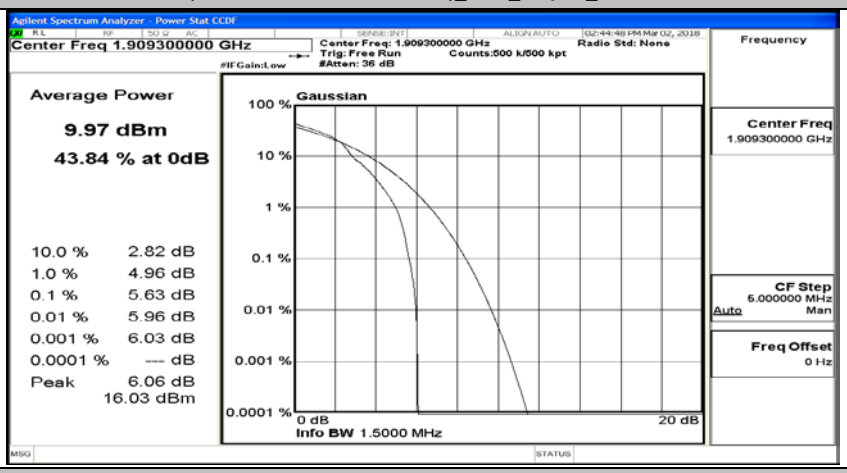
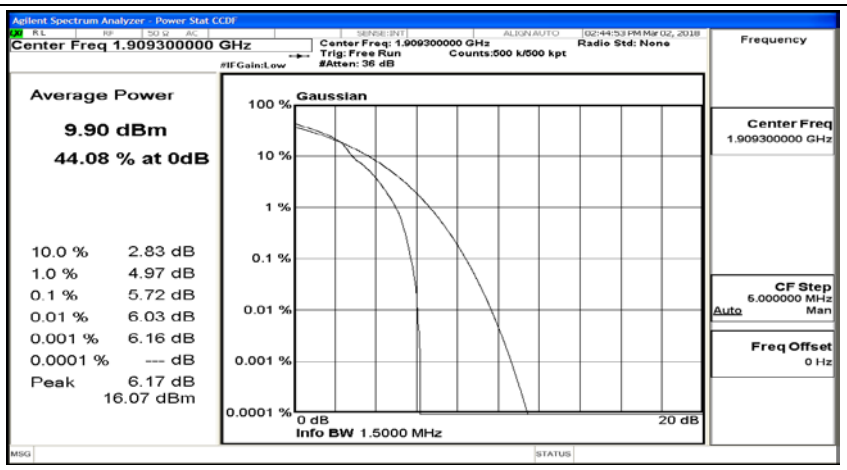


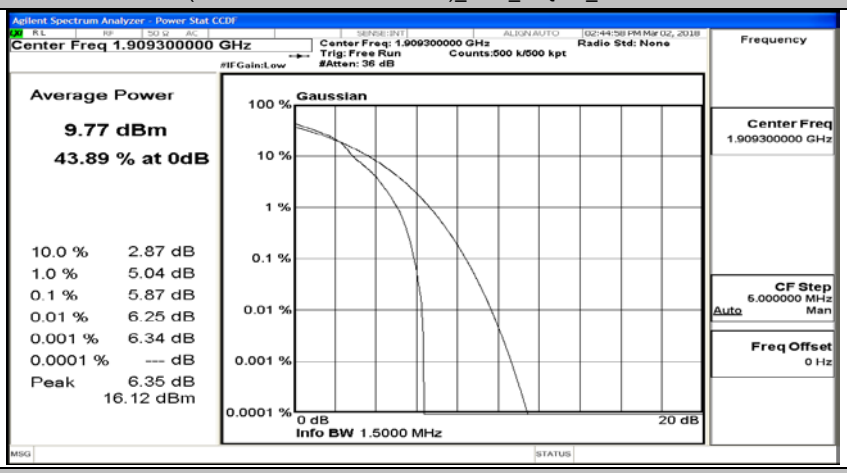
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



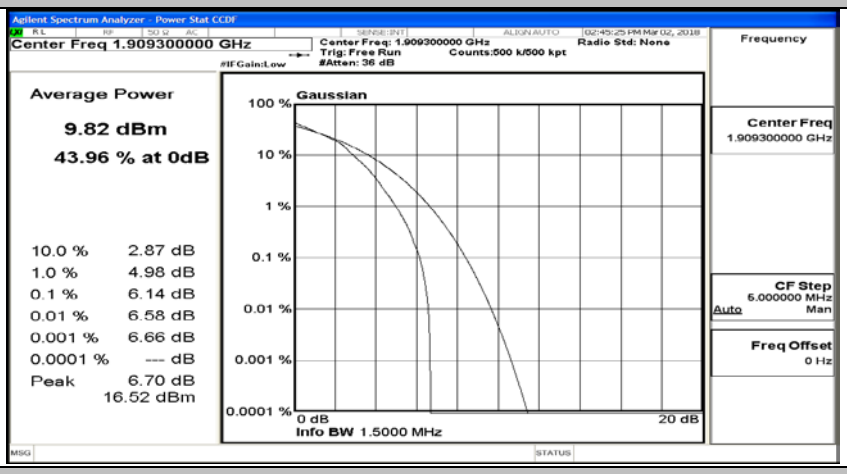
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



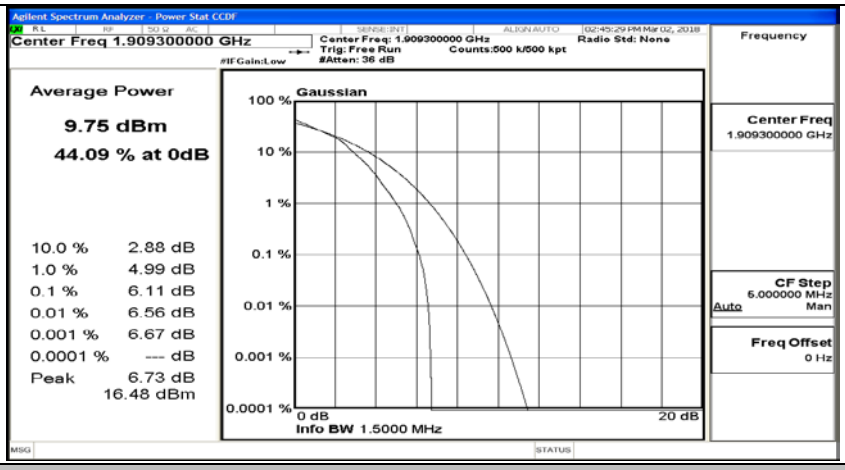
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



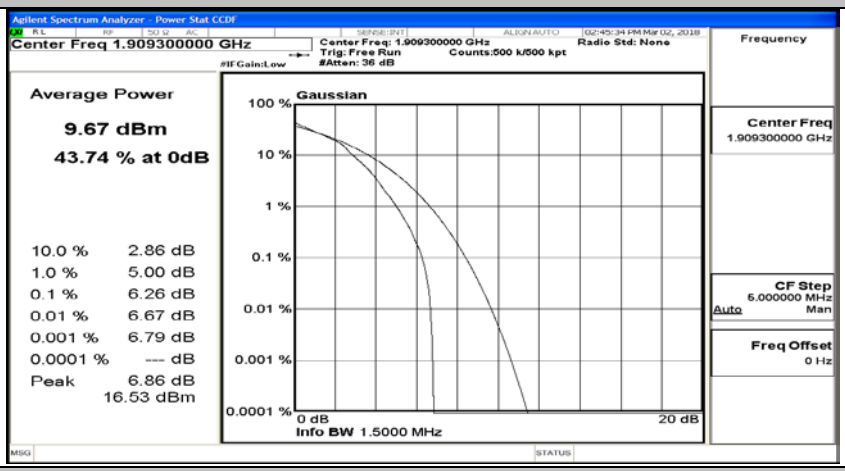
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



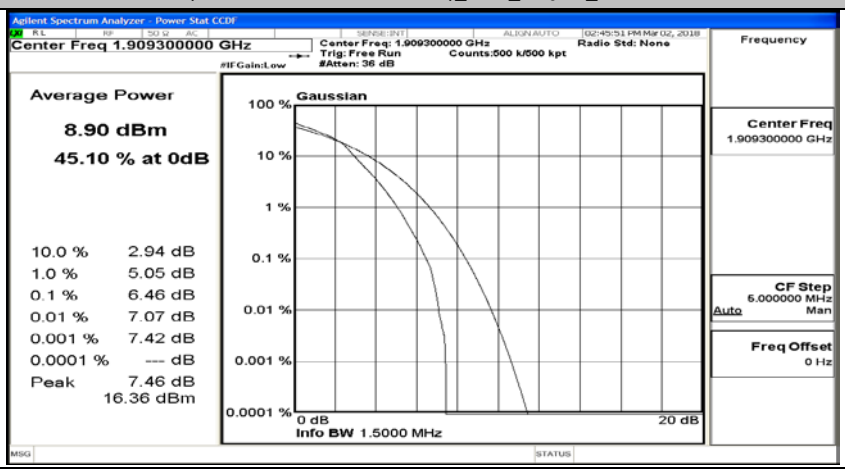
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

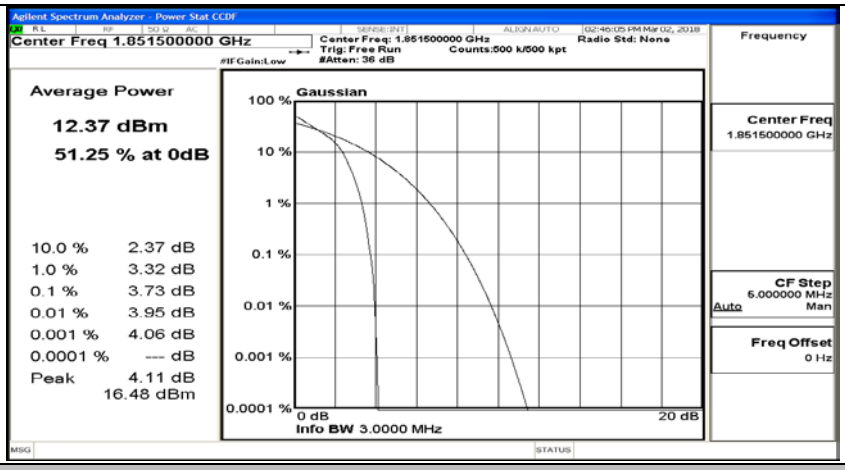


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

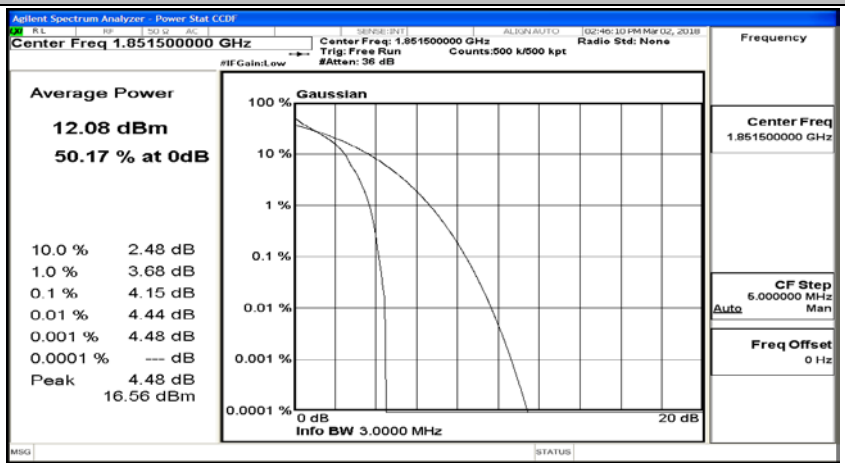


Channel Bandwidth: 3 MHz

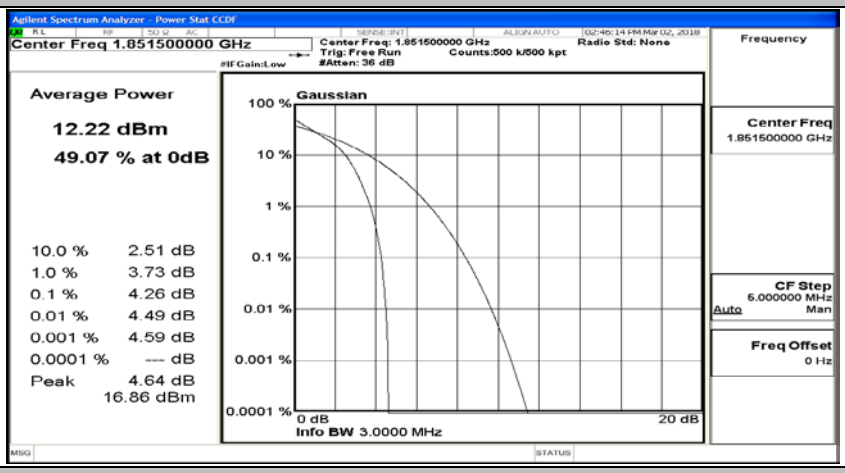
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



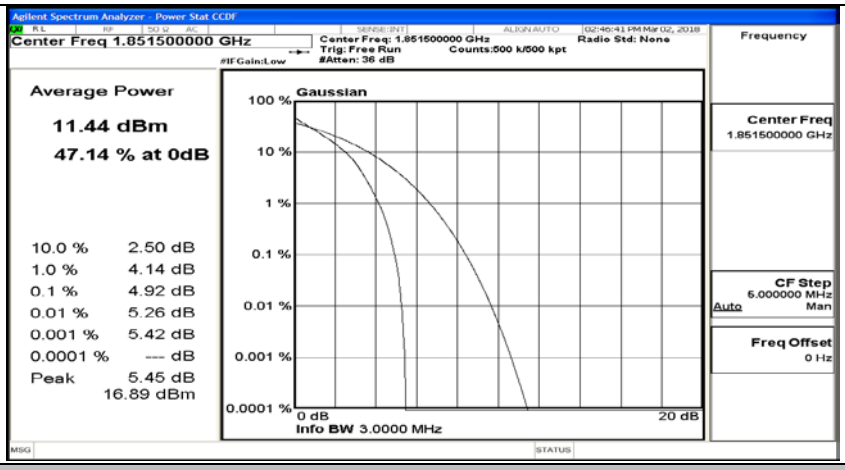
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



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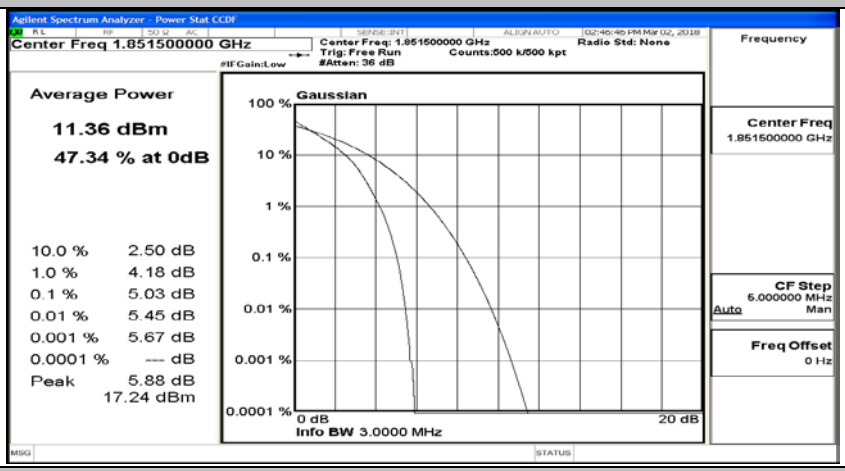

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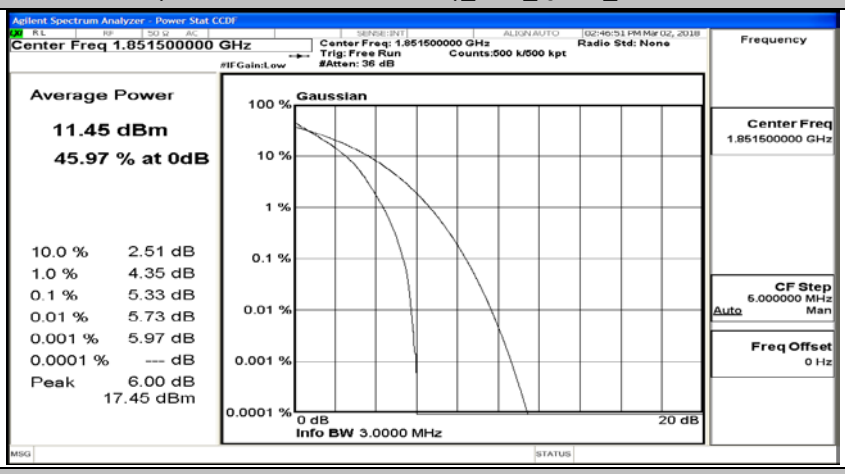
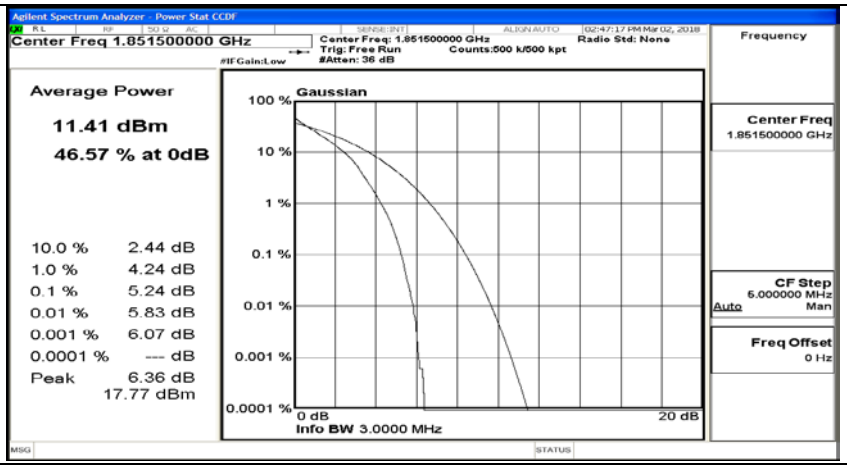
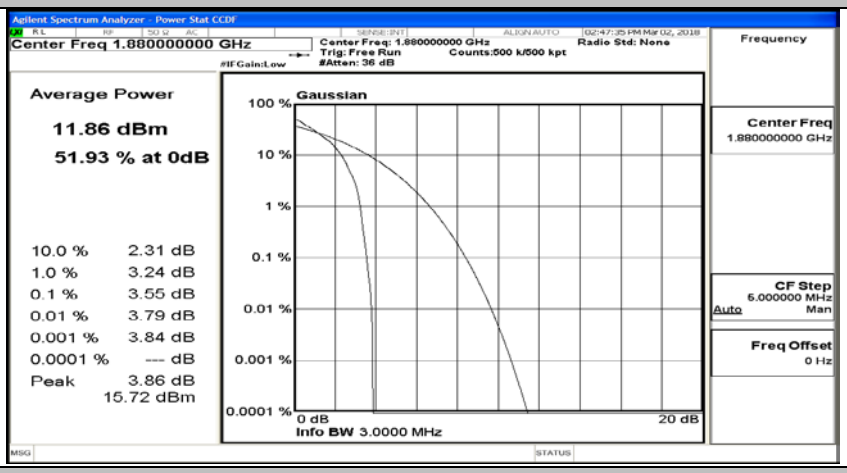


(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



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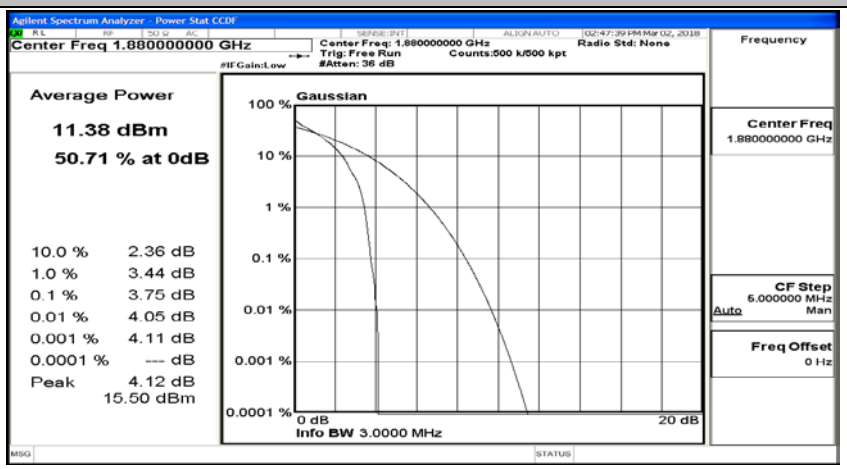

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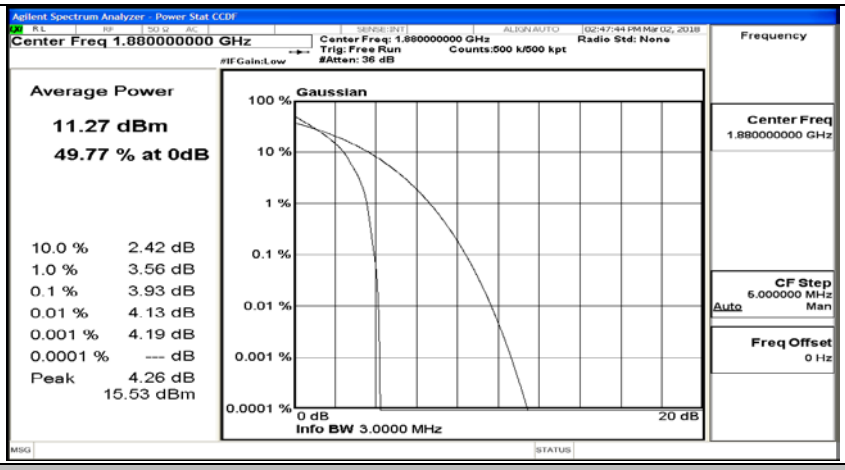

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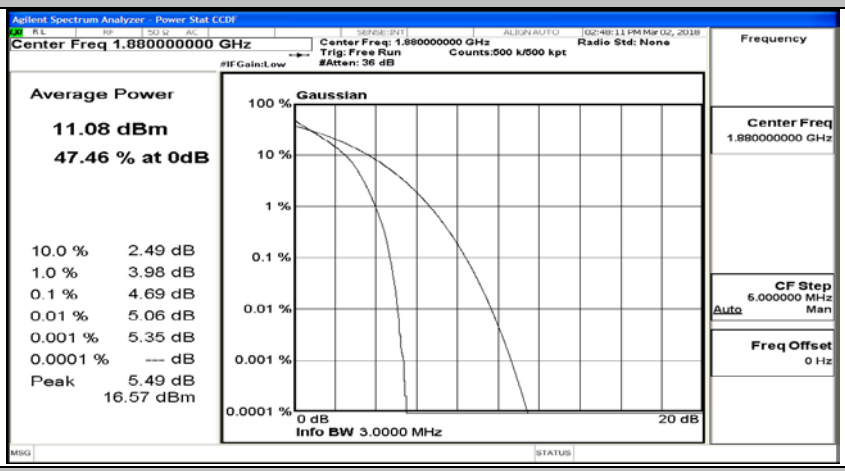
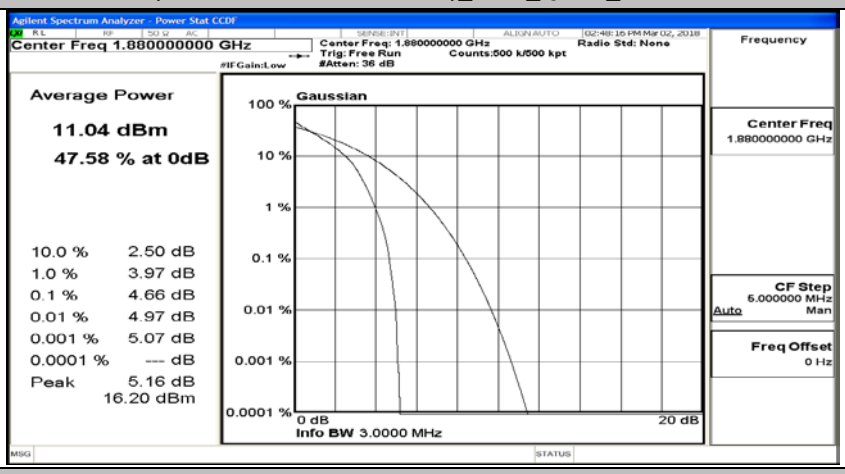
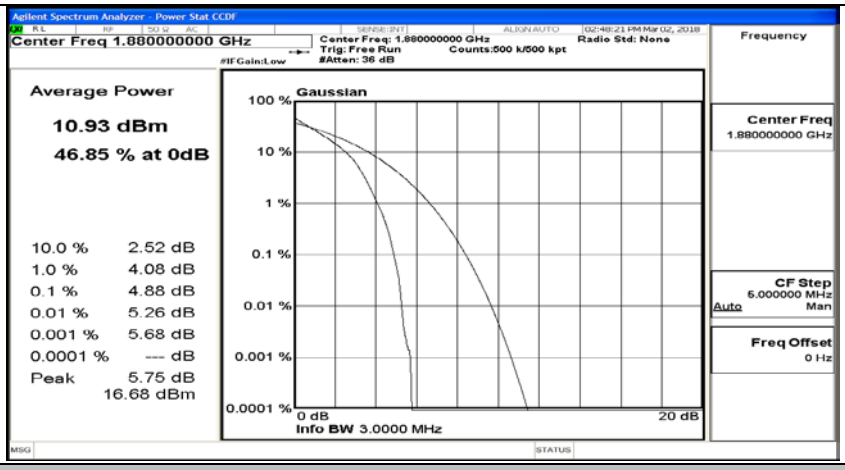


(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



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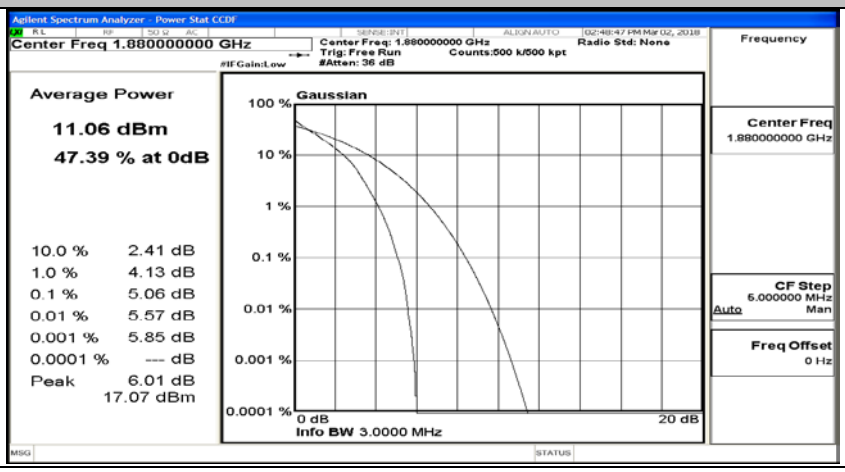

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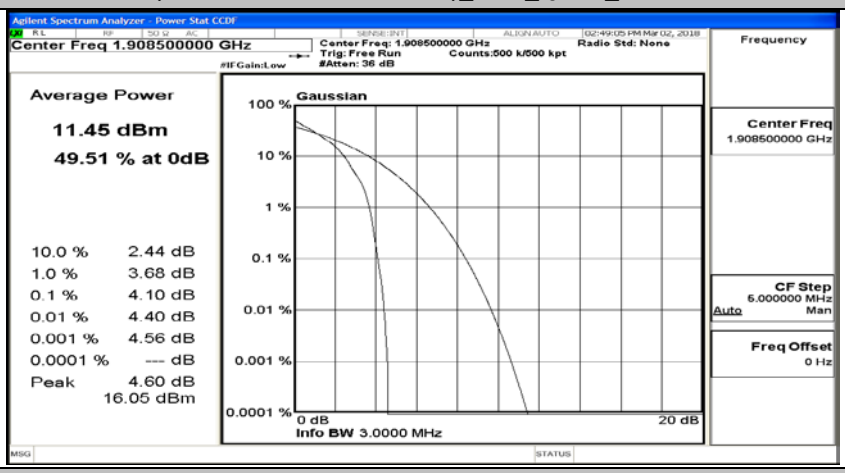
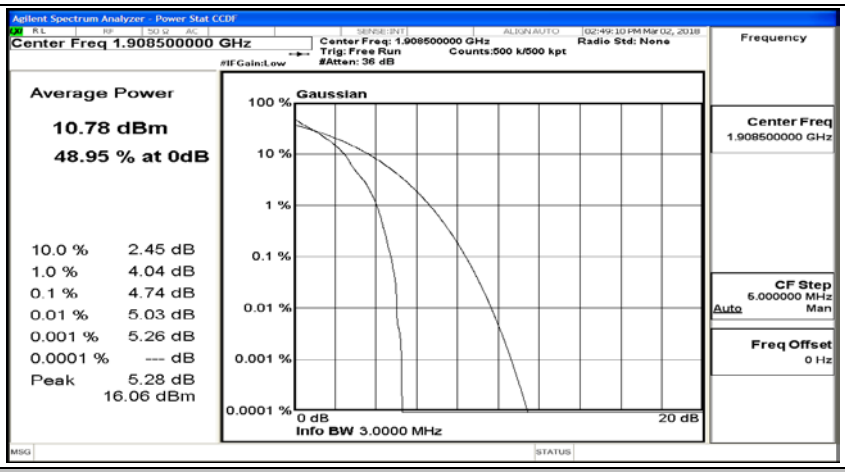


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



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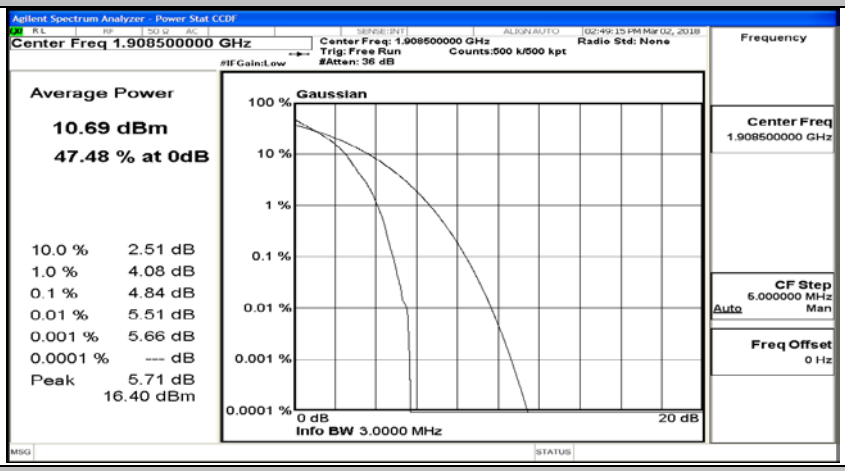
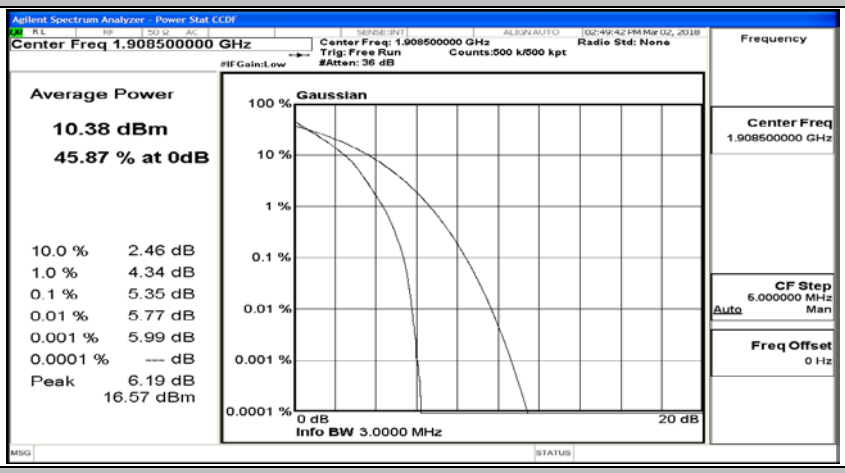


(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



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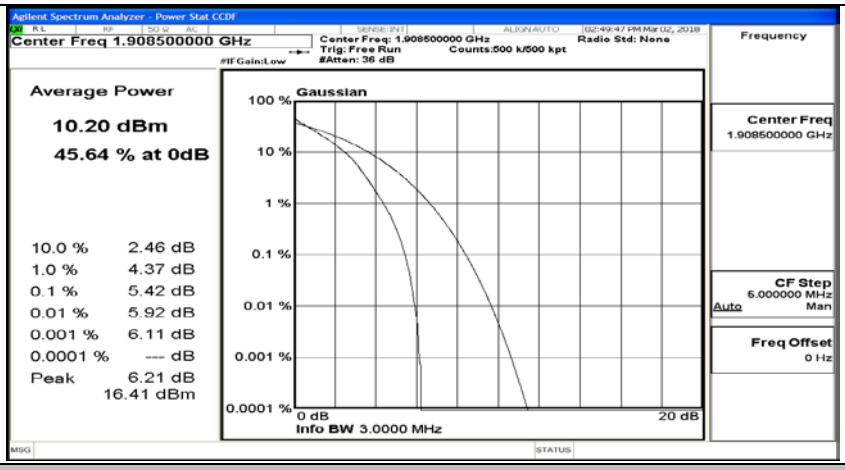
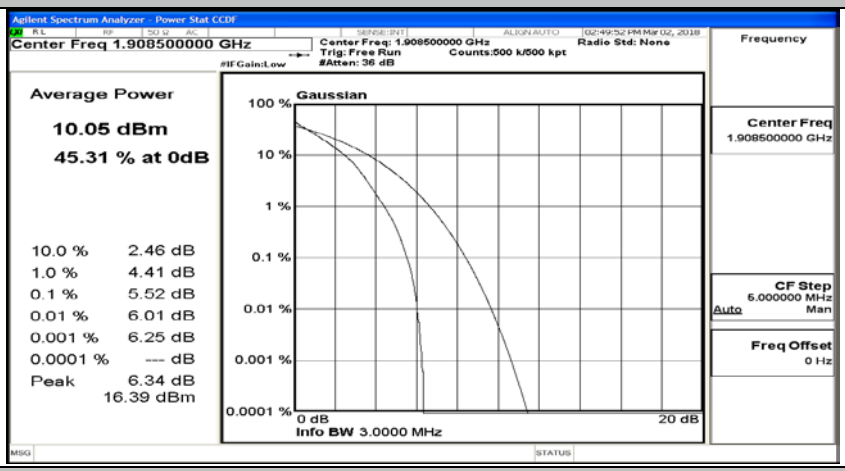
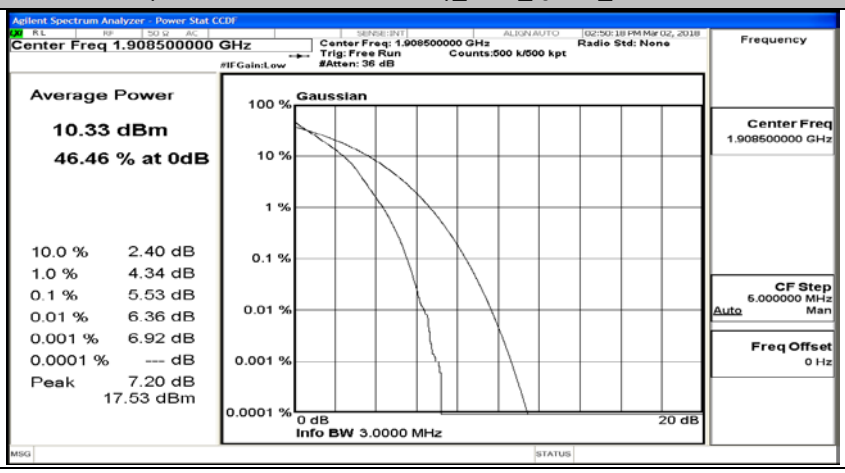


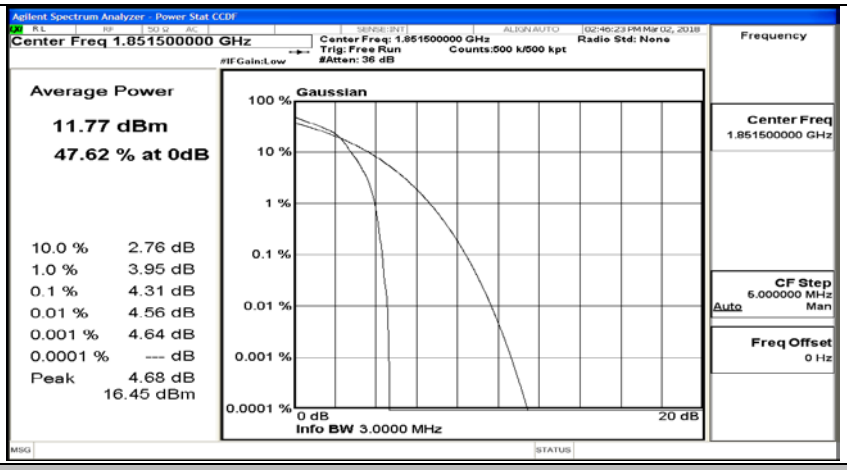
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



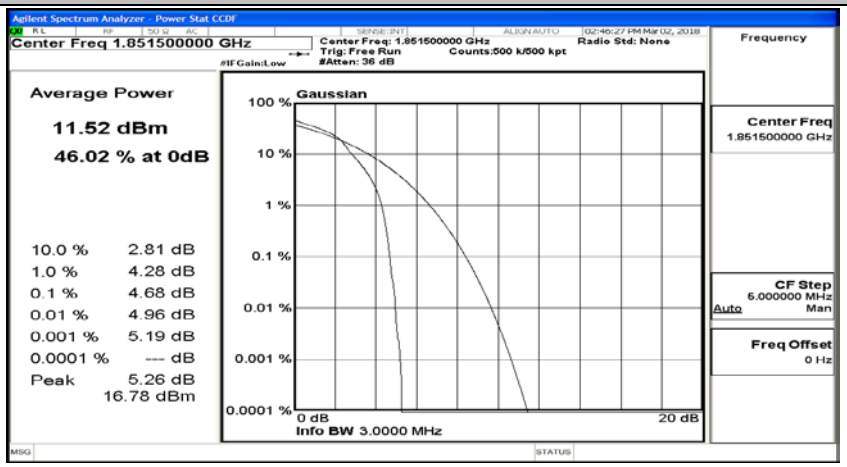
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



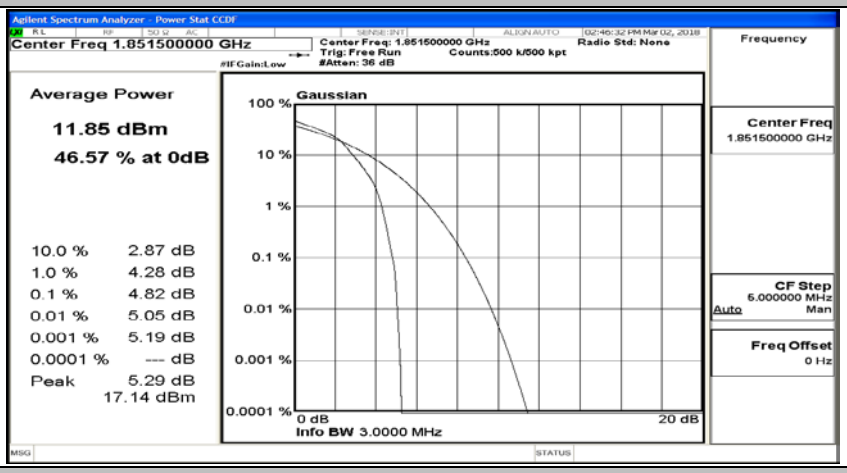
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



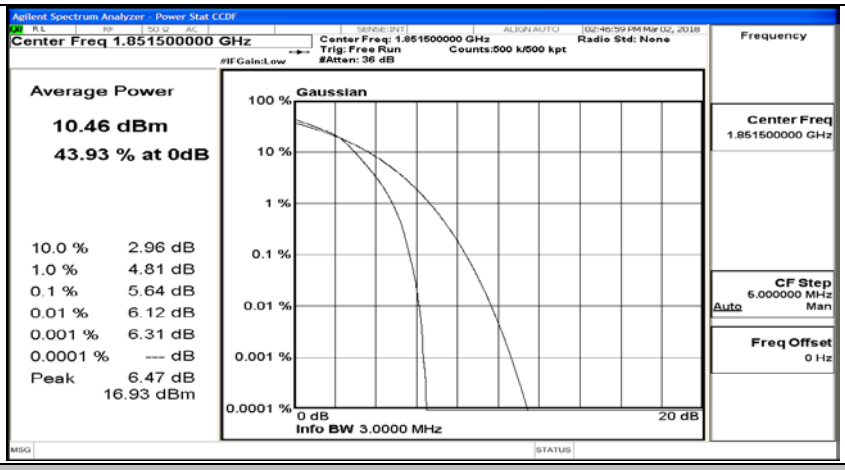
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



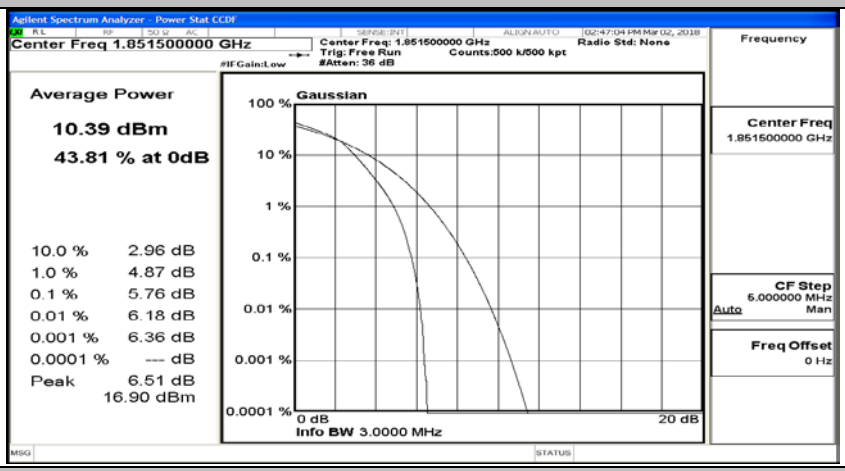
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



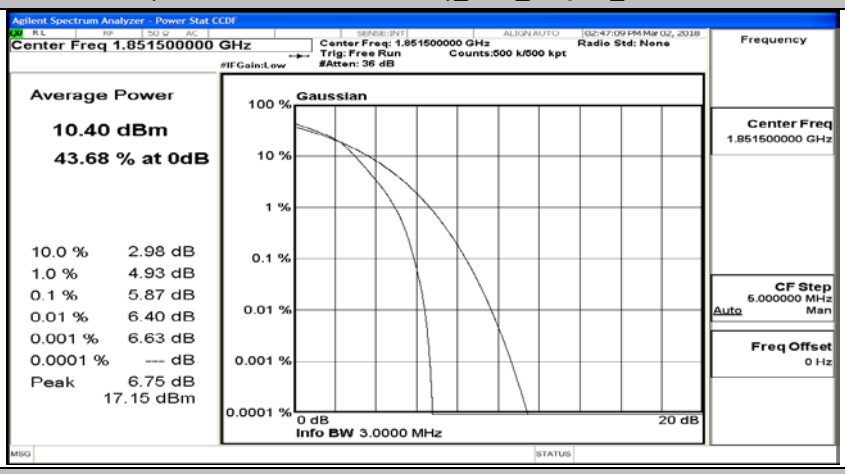
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



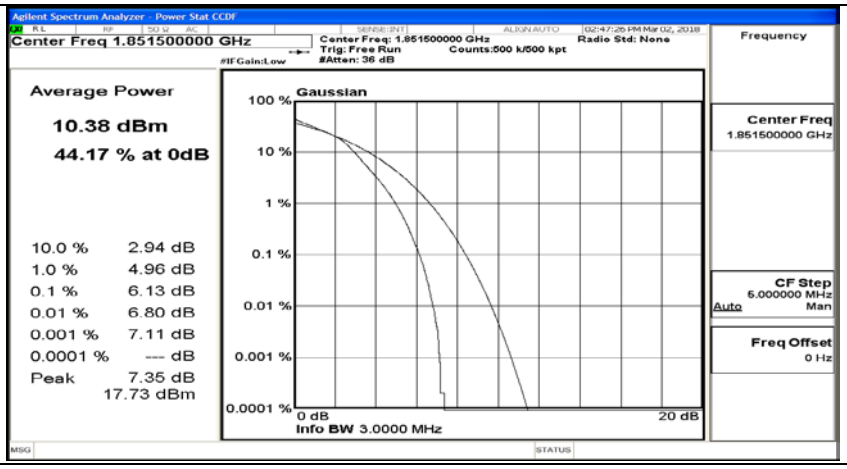
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



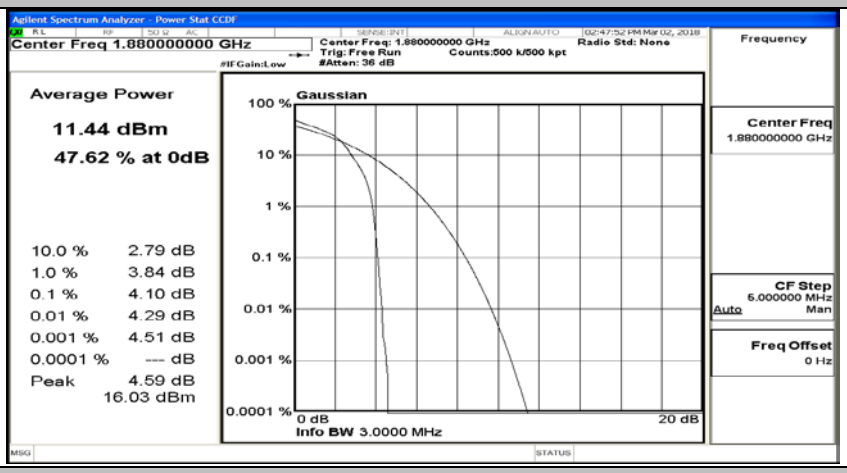
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



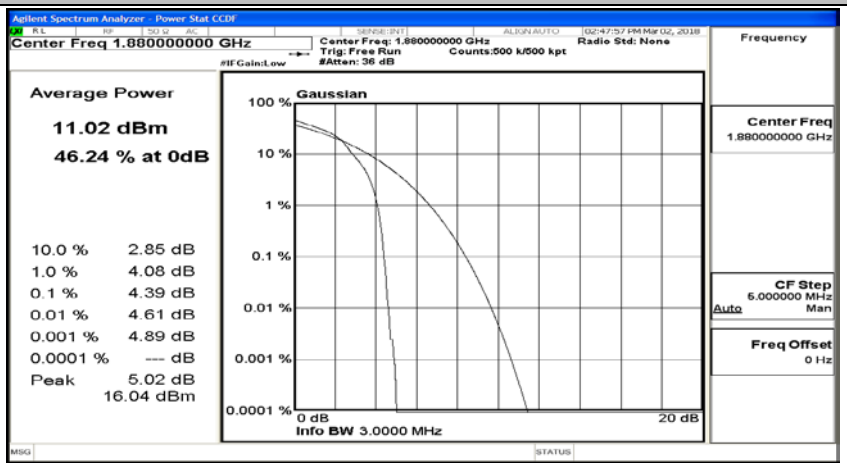
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



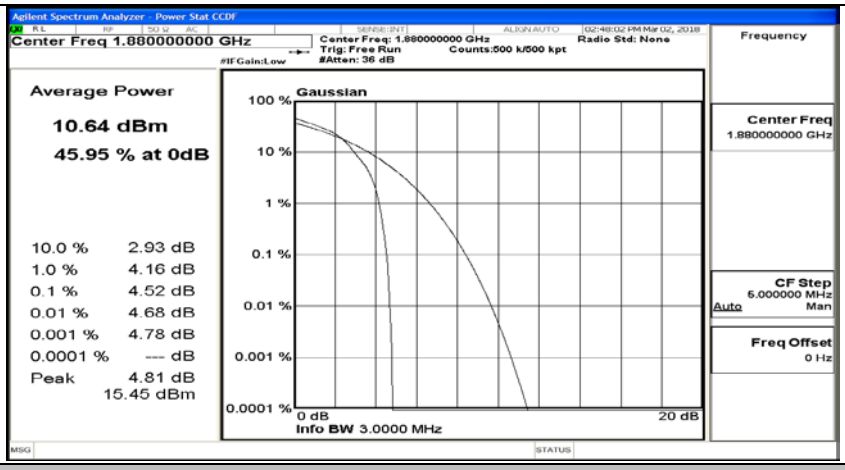
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



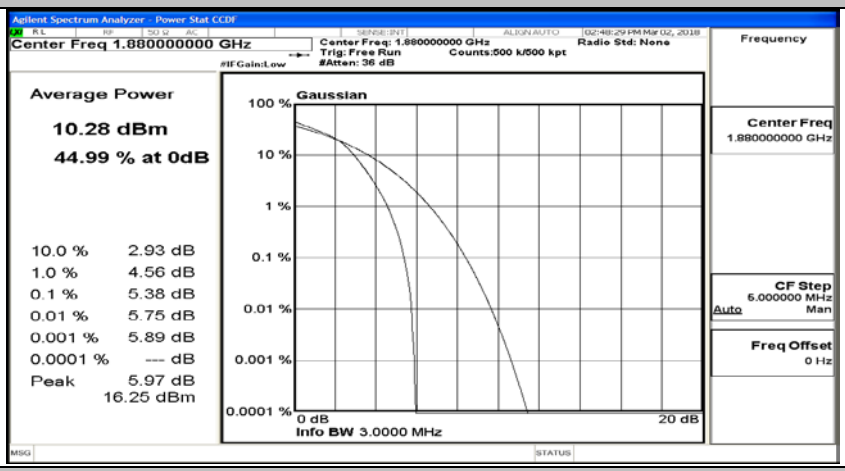
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



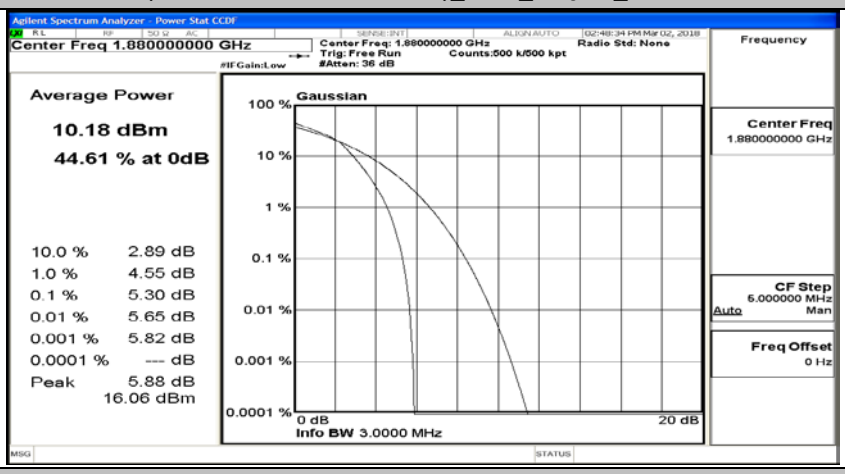
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



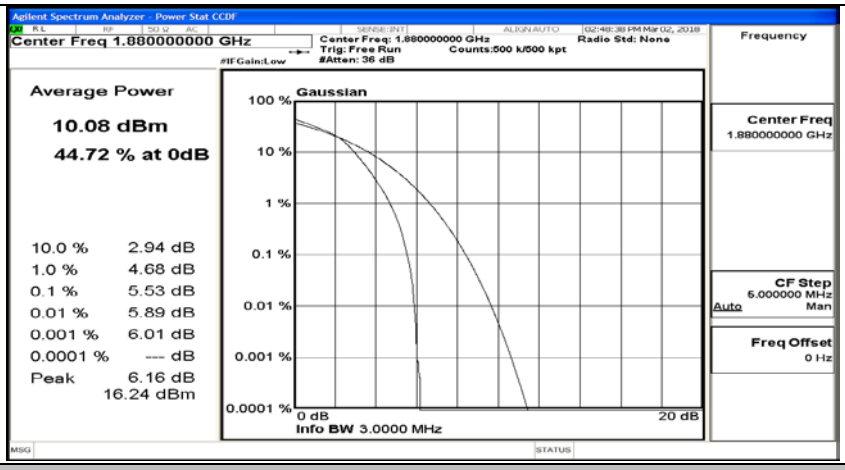
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



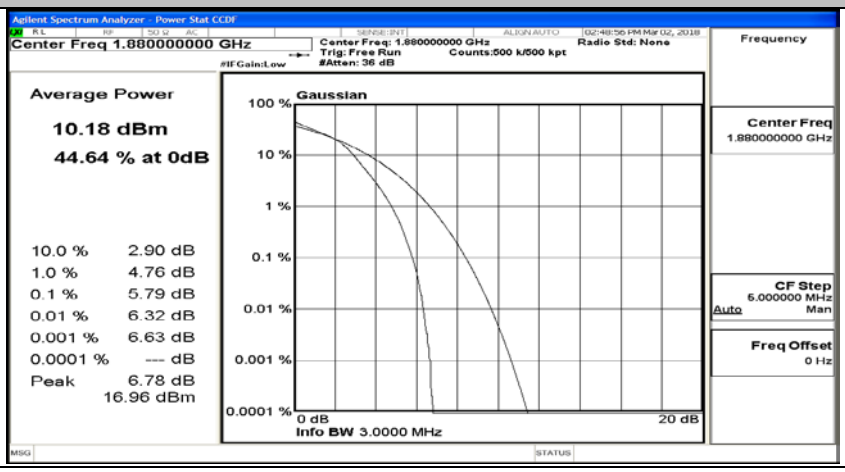
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



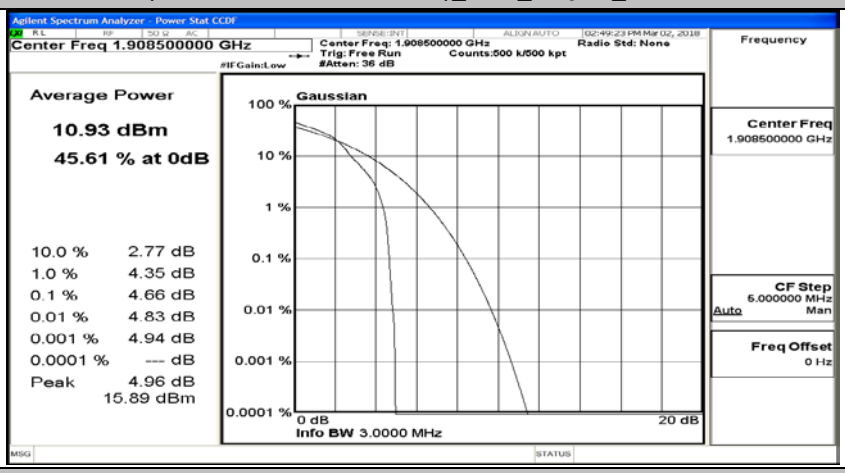
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



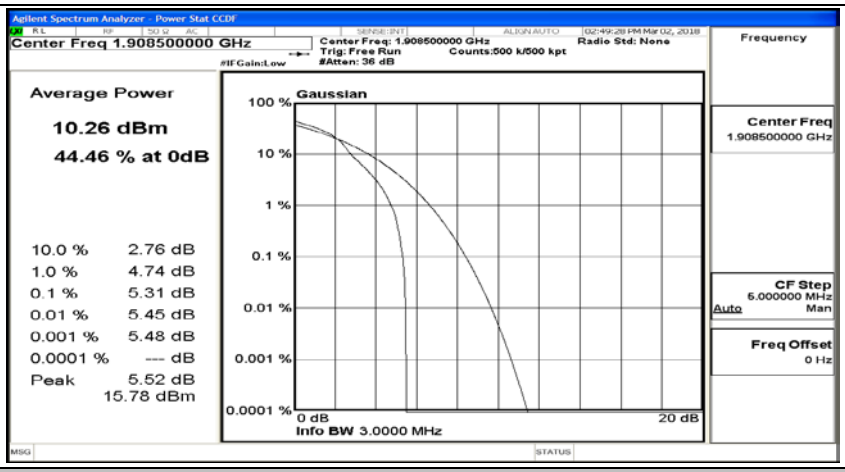
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



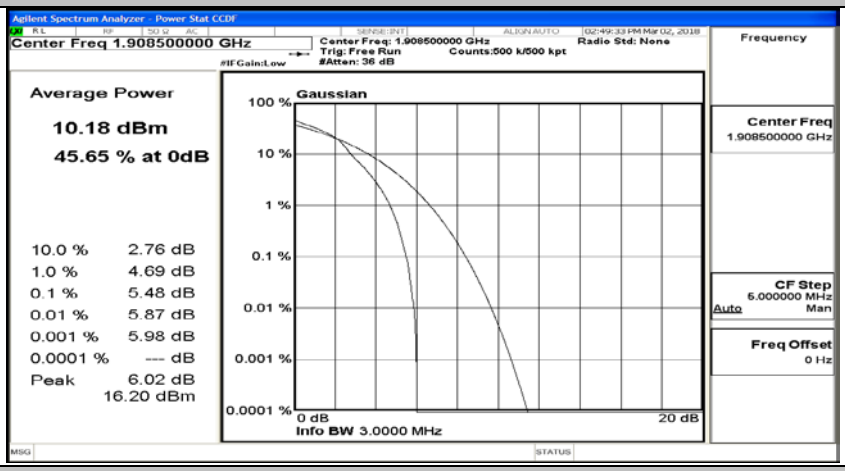
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



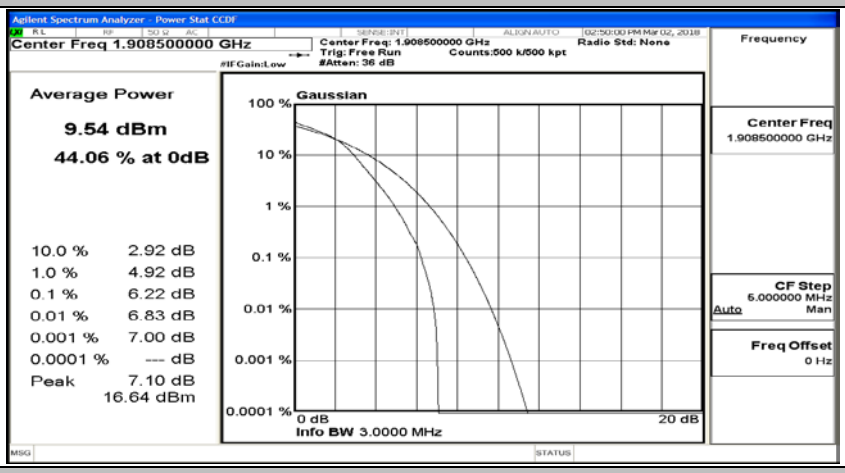
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



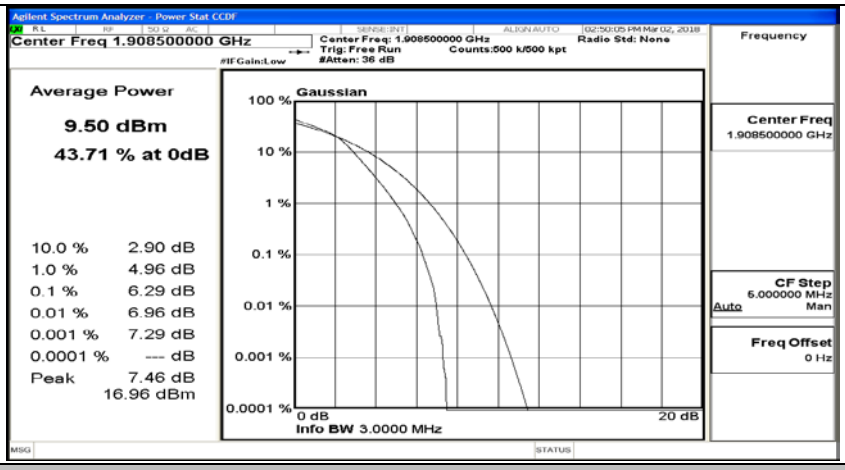
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



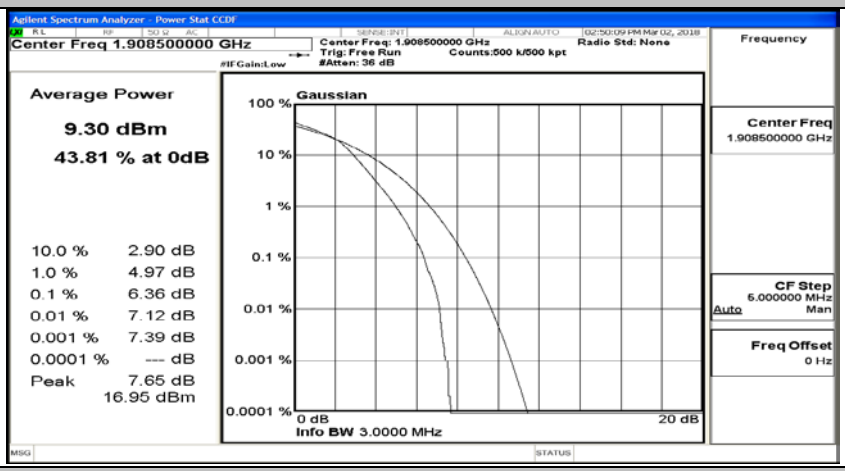
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



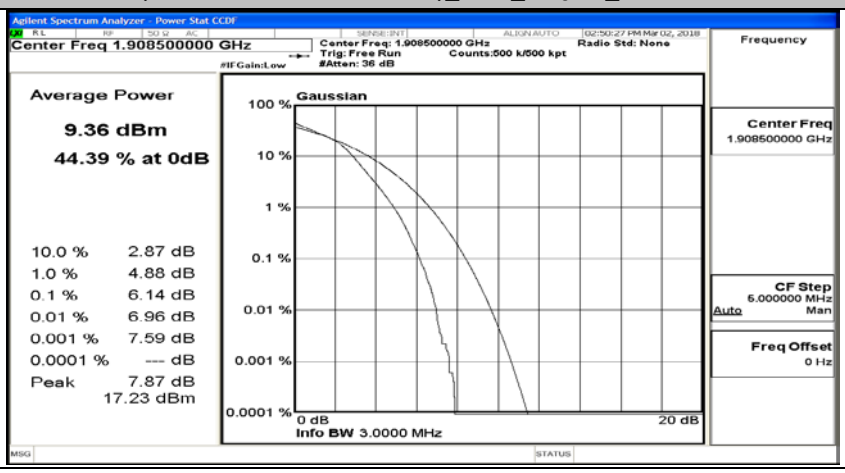
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

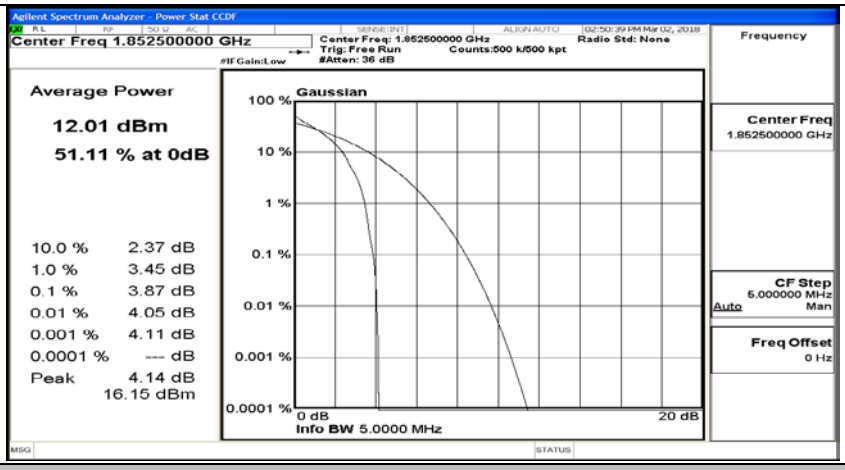


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

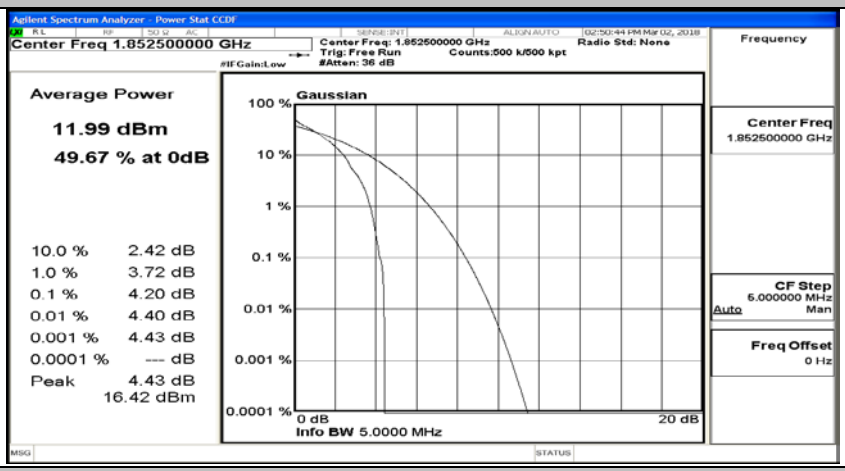


Channel Bandwidth: 5 MHz

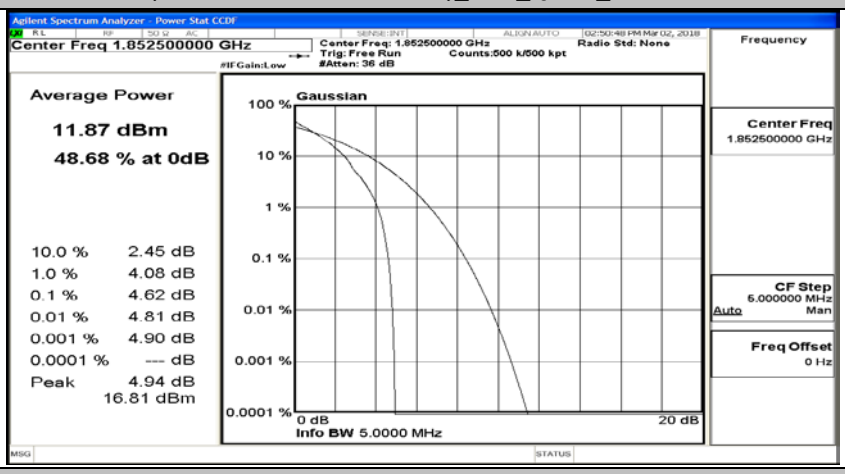
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



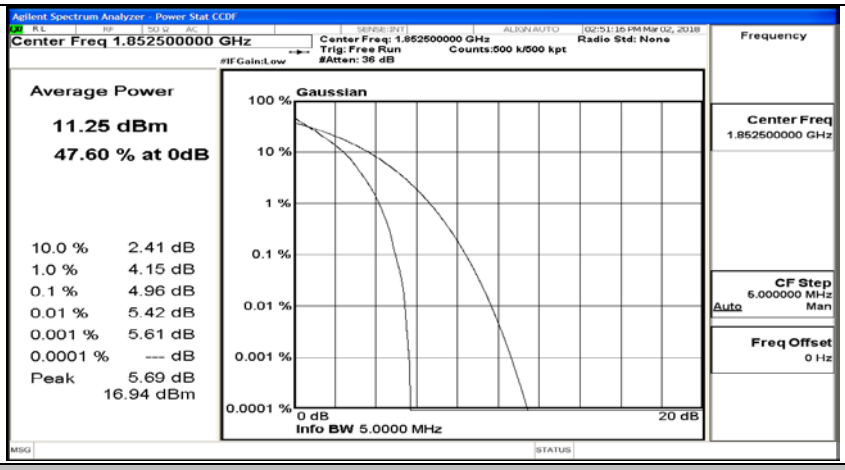
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



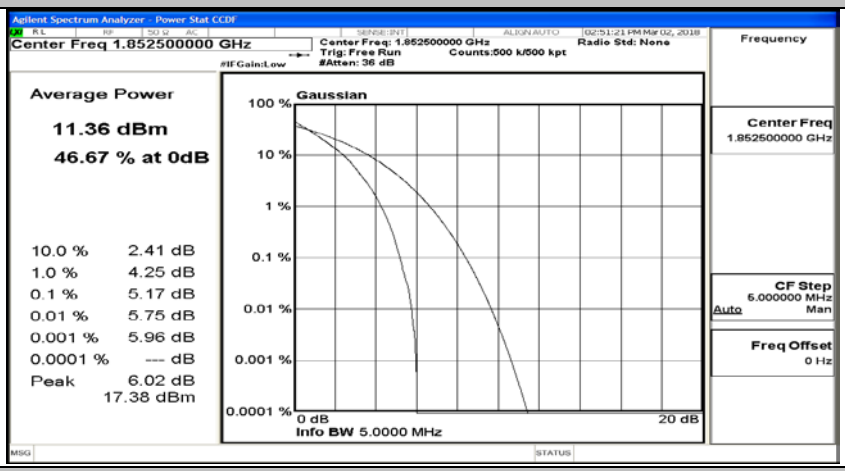
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



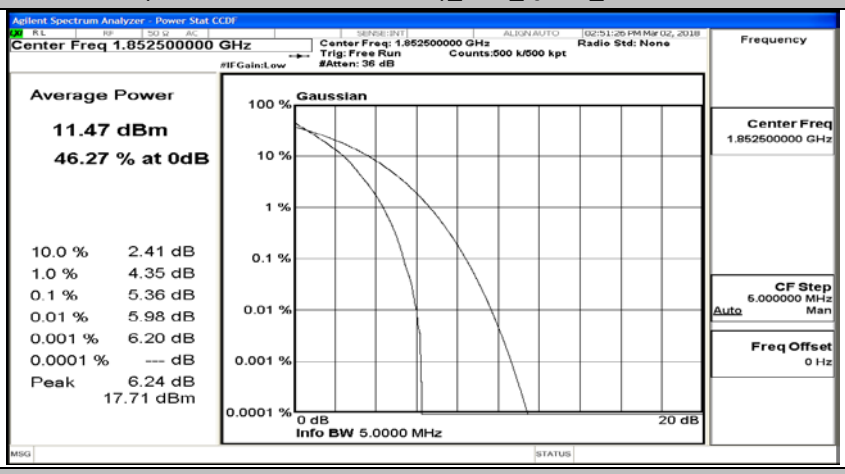
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



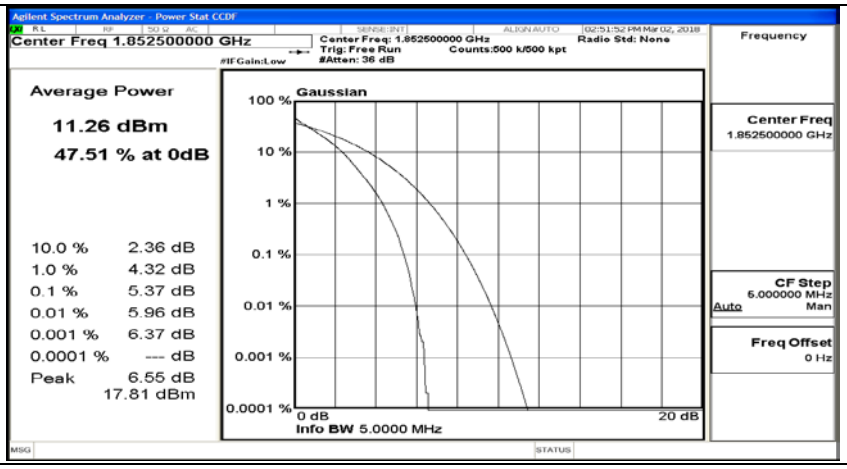
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



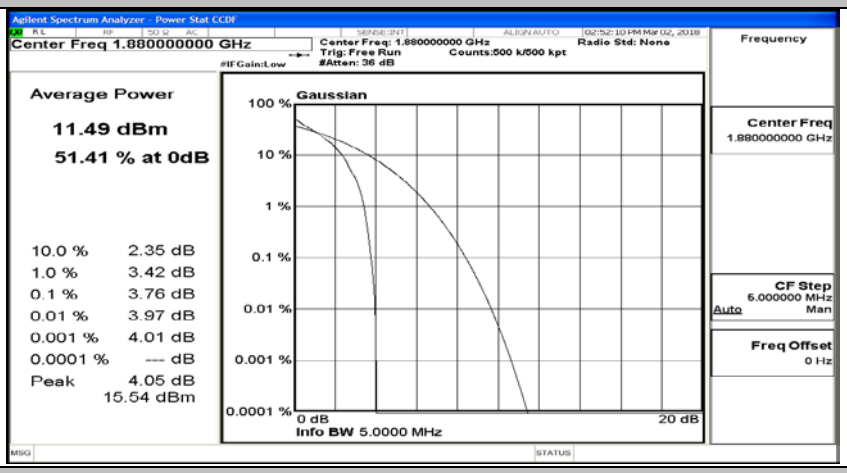
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



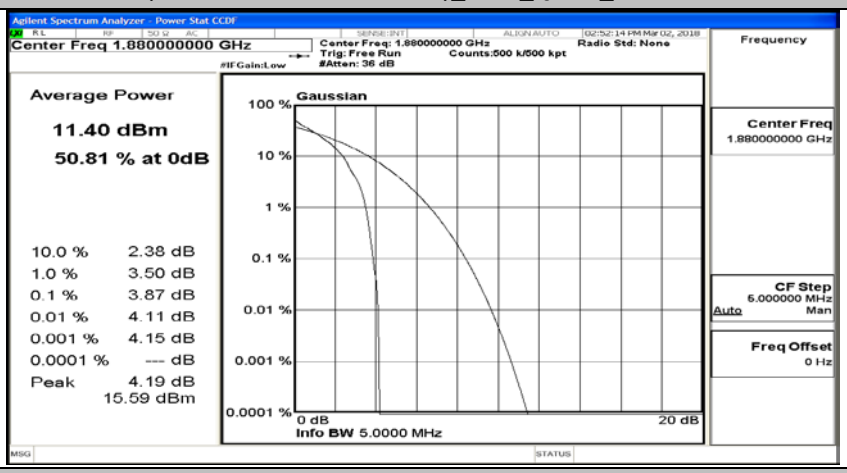
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



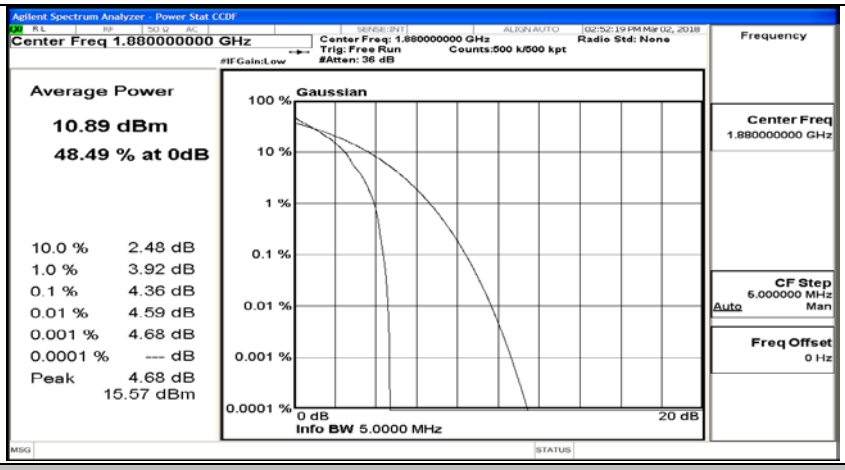
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



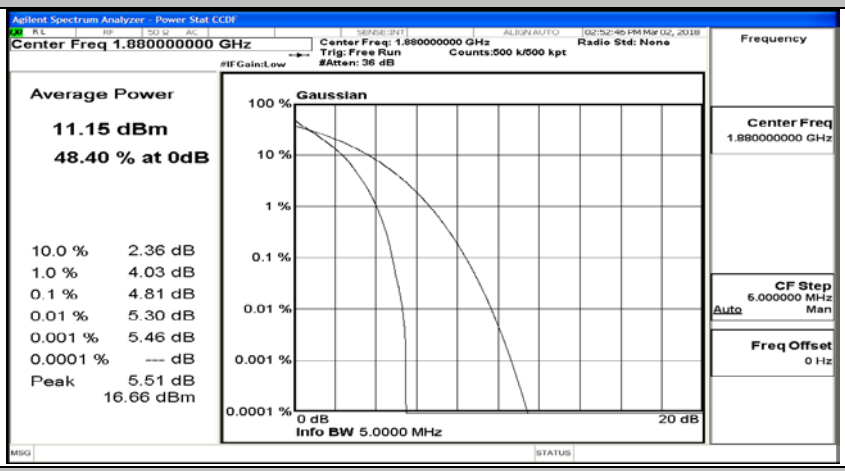
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



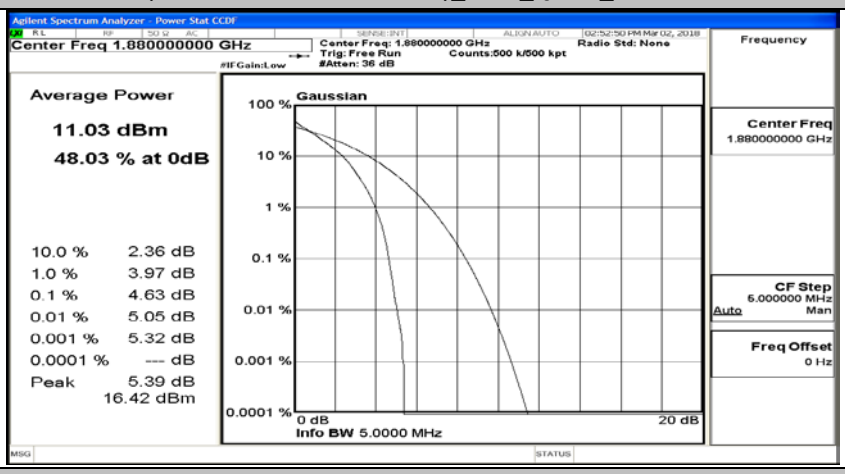
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13