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	4.84	<13	PASS
		1	3	4.98	<13	PASS
		1	5	4.84	<13	PASS
		3	0	5.32	<13	PASS
		3	2	5.34	<13	PASS
		3	3	5.45	<13	PASS
		6	0	5.78	<13	PASS
	MCH	1	0	4.18	<13	PASS
		1	3	4.28	<13	PASS
		1	5	4.19	<13	PASS
		3	0	4.63	<13	PASS
		3	2	4.64	<13	PASS
		3	3	4.67	<13	PASS
		6	0	5.26	<13	PASS
	HCH	1	0	4.58	<13	PASS
		1	3	4.58	<13	PASS
		1	5	4.47	<13	PASS
		3	0	5.12	<13	PASS
		3	2	5.12	<13	PASS
		3	3	5.09	<13	PASS
		6	0	5.5	<13	PASS
16QAM	LCH	1	0	5.95	<13	PASS
		1	3	5.85	<13	PASS
		1	5	5.79	<13	PASS
		3	0	6.29	<13	PASS
		3	2	6.3	<13	PASS
		3	3	6.27	<13	PASS
		6	0	6.63	<13	PASS
	MCH	1	0	5.42	<13	PASS
		1	3	5.3	<13	PASS
		1	5	5.14	<13	PASS
		3	0	5.45	<13	PASS
		3	2	5.43	<13	PASS
		3	3	5.46	<13	PASS
		6	0	6.01	<13	PASS
	HCH	1	0	5.5	<13	PASS
		1	3	5.54	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.71	<13	PASS

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		3	2	5.74	<13	PASS
		3	3	5.74	<13	PASS
		6	0	6.27	<13	PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.02	<13	PASS
		1	7	5.23	<13	PASS
		1	14	5.09	<13	PASS
		8	0	5.94	<13	PASS
		8	4	5.98	<13	PASS
		8	7	5.75	<13	PASS
		15	0	5.94	<13	PASS
	MCH	1	0	4.26	<13	PASS
		1	7	4.48	<13	PASS
		1	14	4.58	<13	PASS
		8	0	5.36	<13	PASS
		8	4	5.43	<13	PASS
		8	7	5.47	<13	PASS
		15	0	5.46	<13	PASS
	HCH	1	0	4.49	<13	PASS
		1	7	4.58	<13	PASS
		1	14	4.49	<13	PASS
		8	0	5.51	<13	PASS
		8	4	5.48	<13	PASS
		8	7	5.5	<13	PASS
		15	0	5.6	<13	PASS
16QAM	LCH	1	0	6.03	<13	PASS
		1	7	6.3	<13	PASS
		1	14	5.83	<13	PASS
		8	0	6.67	<13	PASS
		8	4	6.46	<13	PASS
		8	7	6.44	<13	PASS
		15	0	6.76	<13	PASS
	MCH	1	0	5.32	<13	PASS
		1	7	5.48	<13	PASS
		1	14	5.44	<13	PASS
		8	0	5.98	<13	PASS
		8	4	6.08	<13	PASS
		8	7	5.98	<13	PASS
		15	0	6.28	<13	PASS
	HCH	1	0	5.39	<13	PASS
		1	7	5.53	<13	PASS

		1	14	5.34	<13	PASS
		8	0	6.28	<13	PASS
		8	4	6.09	<13	PASS
		8	7	6	<13	PASS
		15	0	6.32	<13	PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.86	<13	PASS
		1	12	5.18	<13	PASS
		1	24	4.88	<13	PASS
		12	0	5.94	<13	PASS
		12	6	5.91	<13	PASS
		12	13	5.82	<13	PASS
		25	0	5.96	<13	PASS
	MCH	1	0	4.28	<13	PASS
		1	12	4.65	<13	PASS
		1	24	4.72	<13	PASS
		12	0	5.54	<13	PASS
		12	6	5.54	<13	PASS
		12	13	5.67	<13	PASS
		25	0	5.65	<13	PASS
	HCH	1	0	4.15	<13	PASS
		1	12	4.81	<13	PASS
		1	24	4.62	<13	PASS
		12	0	5.43	<13	PASS
		12	6	5.57	<13	PASS
		12	13	5.67	<13	PASS
		25	0	5.57	<13	PASS
16QAM	LCH	1	0	5.99	<13	PASS
		1	12	6.08	<13	PASS
		1	24	5.72	<13	PASS
		12	0	6.65	<13	PASS
		12	6	6.65	<13	PASS
		12	13	6.67	<13	PASS
		25	0	6.71	<13	PASS
	MCH	1	0	5.33	<13	PASS
		1	12	5.57	<13	PASS
		1	24	5.49	<13	PASS
		12	0	6.28	<13	PASS
		12	6	6.4	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.4	<13	PASS

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	HCH	1	0	4.94	<13	PASS
		1	12	5.5	<13	PASS
		1	24	5.22	<13	PASS
		12	0	6.22	<13	PASS
		12	6	6.46	<13	PASS
		12	13	6.57	<13	PASS
		25	0	6.31	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.39	<13	PASS
		1	24	5.12	<13	PASS
		1	49	4.25	<13	PASS
		25	0	5.94	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.35	<13	PASS
		50	0	5.68	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	24	4.76	<13	PASS
		1	49	5.35	<13	PASS
		25	0	5.49	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.73	<13	PASS
		50	0	5.58	<13	PASS
	HCH	1	0	3.27	<13	PASS
		1	24	4.12	<13	PASS
		1	49	4.81	<13	PASS
		25	0	4.39	<13	PASS
		25	12	4.93	<13	PASS
		25	25	5.5	<13	PASS
		50	0	5	<13	PASS
16QAM	LCH	1	0	6.36	<13	PASS
		1	24	6.07	<13	PASS
		1	49	5.14	<13	PASS
		25	0	6.71	<13	PASS
		25	12	6.58	<13	PASS
		25	25	6.23	<13	PASS
		50	0	6.34	<13	PASS
	MCH	1	0	5.47	<13	PASS
		1	24	5.58	<13	PASS
		1	49	6.19	<13	PASS
		25	0	6.28	<13	PASS
		25	12	6.37	<13	PASS

		25	25	6.49	<13	PASS
		50	0	6.33	<13	PASS
	HCH	1	0	4.23	<13	PASS
		1	24	5.08	<13	PASS
		1	49	5.86	<13	PASS
		25	0	5.11	<13	PASS
		25	12	5.57	<13	PASS
		25	25	6.16	<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	5.19	<13	PASS
		1	37	4.67	<13	PASS
		1	74	3.53	<13	PASS
		37	0	5.8	<13	PASS
		37	18	5.3	<13	PASS
		37	38	4.6	<13	PASS
		75	0	5.53	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	37	4.71	<13	PASS
		1	74	5.21	<13	PASS
		37	0	5.34	<13	PASS
		37	18	5.57	<13	PASS
		37	38	5.7	<13	PASS
		75	0	5.89	<13	PASS
	HCH	1	0	4.23	<13	PASS
		1	37	3.72	<13	PASS
		1	74	4.87	<13	PASS
		37	0	4.39	<13	PASS
		37	18	4.39	<13	PASS
		37	38	5.14	<13	PASS
		75	0	5.23	<13	PASS
16QAM	LCH	1	0	6.21	<13	PASS
		1	37	5.6	<13	PASS
		1	74	4.32	<13	PASS
		37	0	6.55	<13	PASS
		37	18	6.12	<13	PASS
		37	38	5.43	<13	PASS
		75	0	6.12	<13	PASS
	MCH	1	0	5.13	<13	PASS
		1	37	5.67	<13	PASS
		1	74	6.1	<13	PASS

		37	0	6.13	<13	PASS
		37	18	6.31	<13	PASS
		37	38	6.48	<13	PASS
		75	0	6.42	<13	PASS
	HCH	1	0	5.2	<13	PASS
		1	37	4.5	<13	PASS
		1	74	5.77	<13	PASS
		37	0	5.23	<13	PASS
		37	18	5.08	<13	PASS
		37	38	5.86	<13	PASS
		75	0	5.76	<13	PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.18	<13	PASS
		1	49	3.93	<13	PASS
		1	99	3.74	<13	PASS
		50	0	5.56	<13	PASS
		50	25	4.89	<13	PASS
		50	50	4.47	<13	PASS
		100	0	5.16	<13	PASS
	MCH	1	0	3.85	<13	PASS
		1	49	4.64	<13	PASS
		1	99	5.35	<13	PASS
		50	0	5.27	<13	PASS
		50	25	5.61	<13	PASS
		50	50	5.79	<13	PASS
		100	0	5.69	<13	PASS
	HCH	1	0	5.43	<13	PASS
		1	49	3.44	<13	PASS
		1	99	5.08	<13	PASS
		50	0	5.25	<13	PASS
		50	25	4.66	<13	PASS
		50	50	4.99	<13	PASS
		100	0	5.16	<13	PASS
16QAM	LCH	1	0	5.8	<13	PASS
		1	49	4.83	<13	PASS
		1	99	4.47	<13	PASS
		50	0	6.28	<13	PASS
		50	25	5.6	<13	PASS
		50	50	5.17	<13	PASS
		100	0	5.92	<13	PASS
	MCH	1	0	4.73	<13	PASS

		1	49	5.62	<13	PASS
		1	99	6.26	<13	PASS
		50	0	6.08	<13	PASS
		50	25	6.37	<13	PASS
		50	50	6.5	<13	PASS
		100	0	6.43	<13	PASS
	HCH	1	0	6.17	<13	PASS
		1	49	4.18	<13	PASS
		1	99	5.71	<13	PASS
		50	0	5.98	<13	PASS
		50	25	5.29	<13	PASS
		50	50	5.56	<13	PASS
		100	0	5.88	<13	PASS

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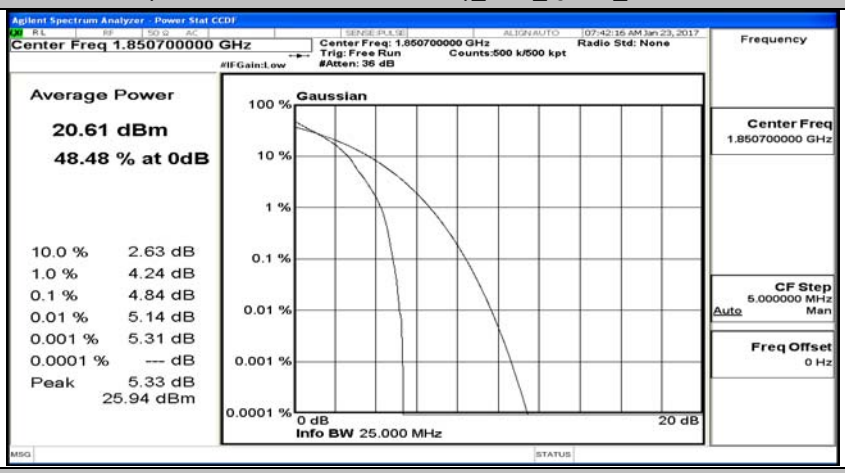
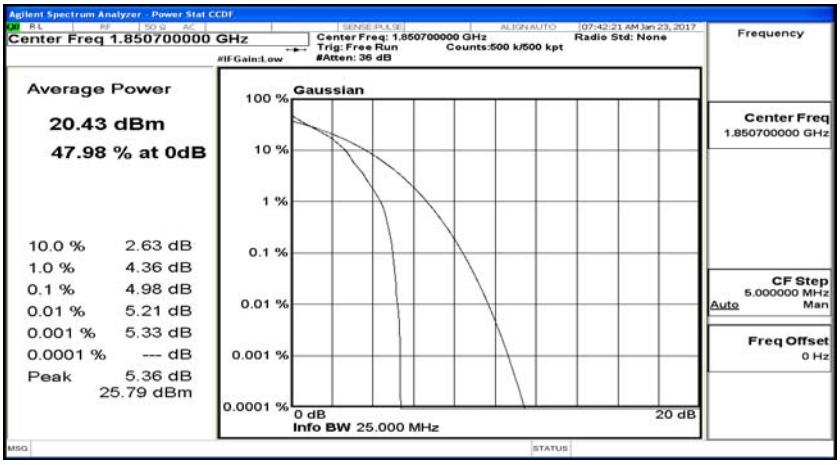
Test Graphs

Channel Bandwidth: 1.4 MHz

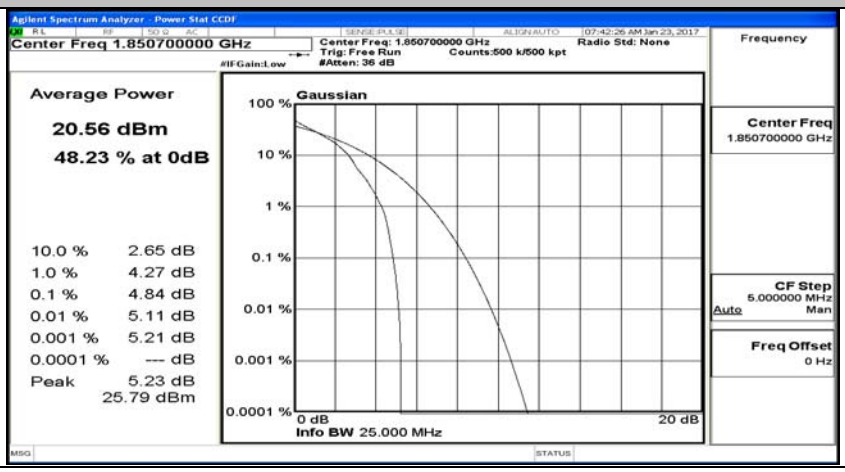
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



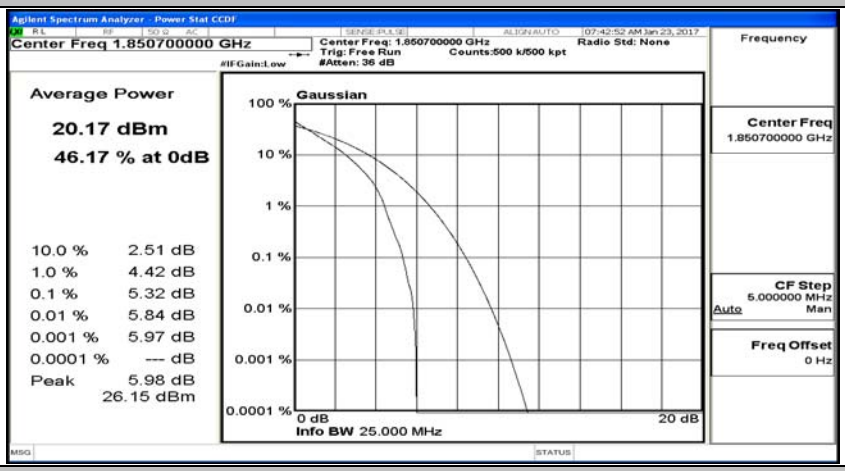
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



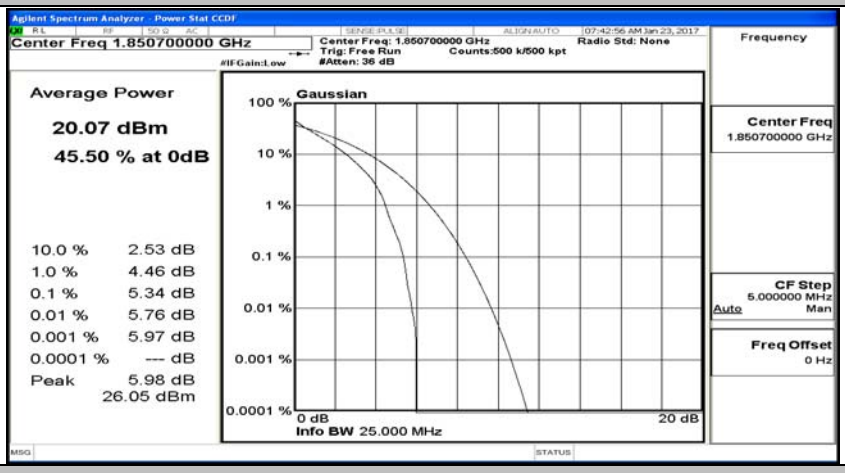
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



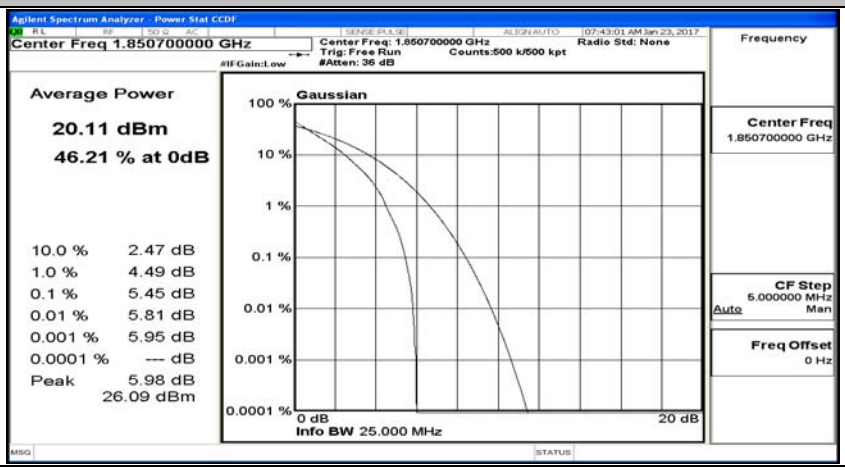
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



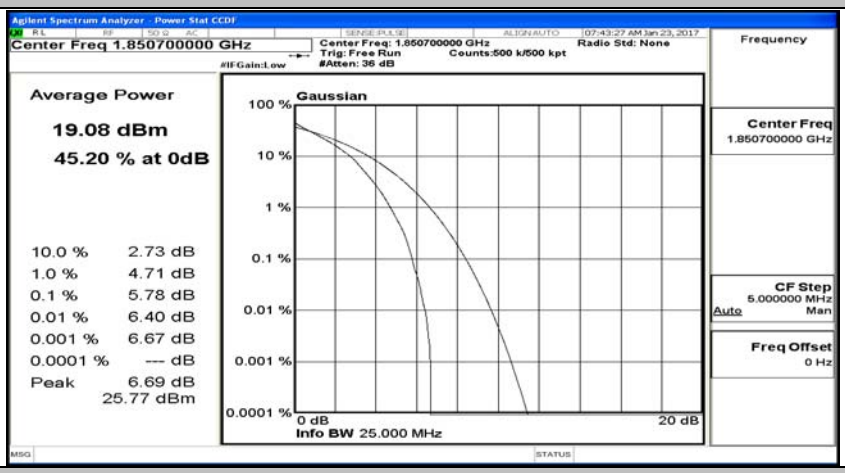
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



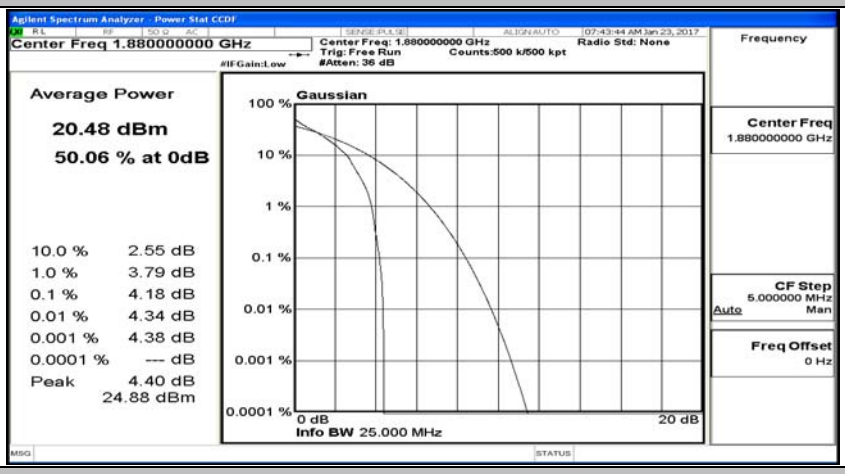
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



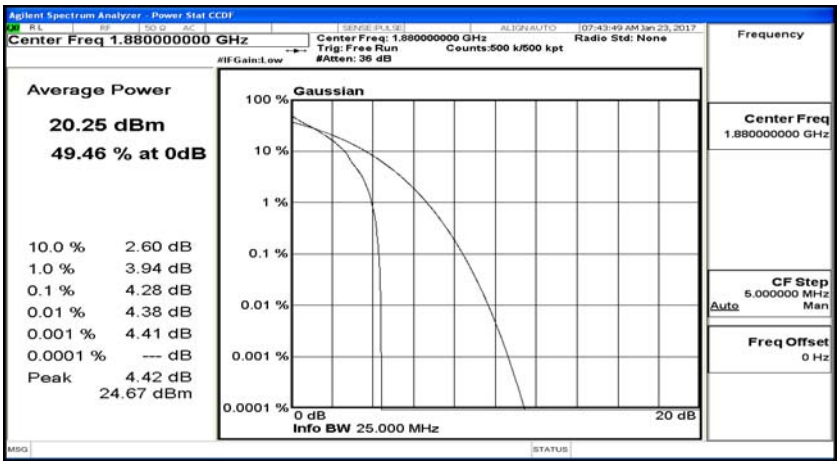
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



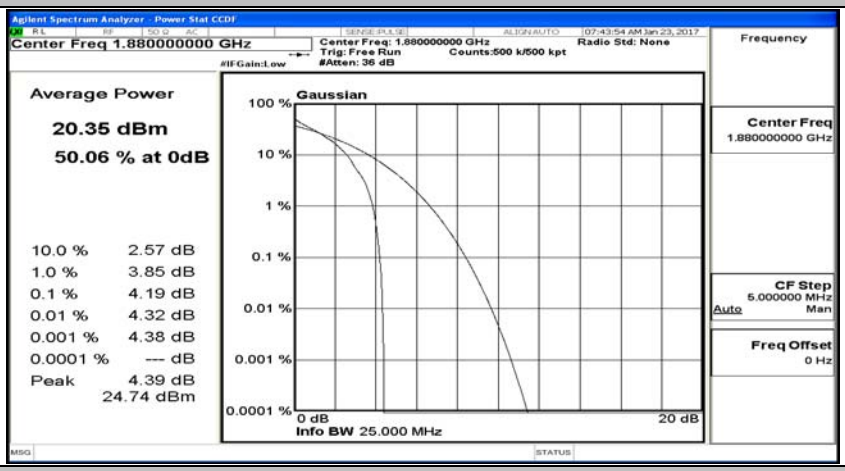
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



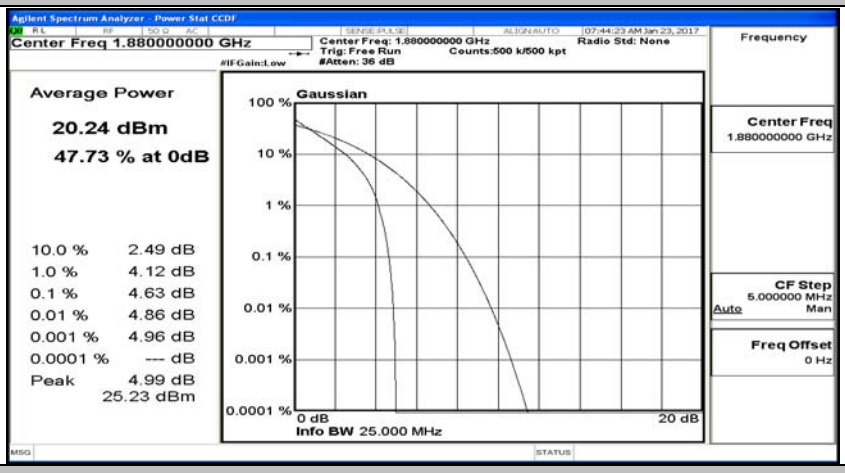
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



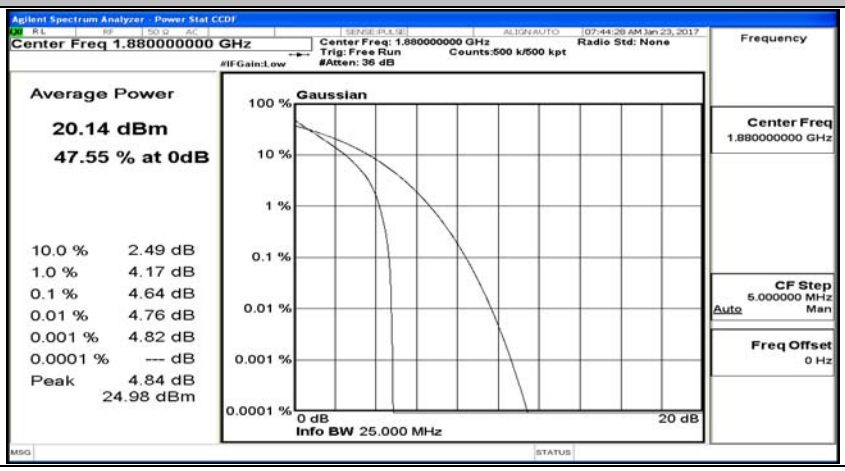
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



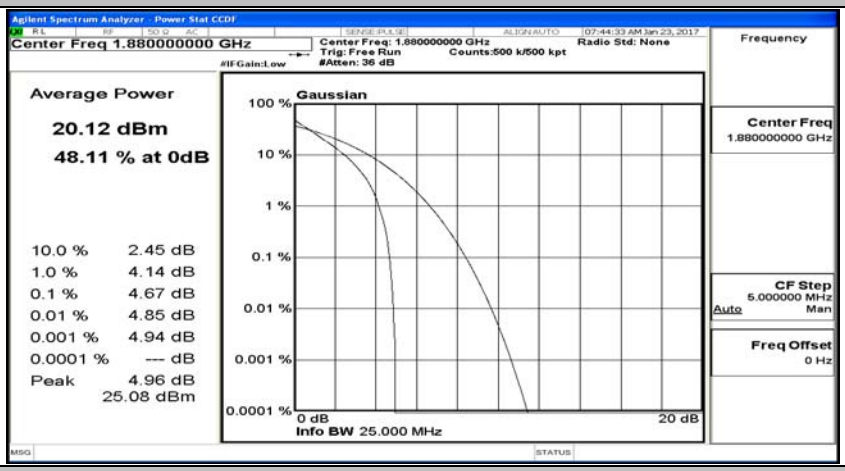
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



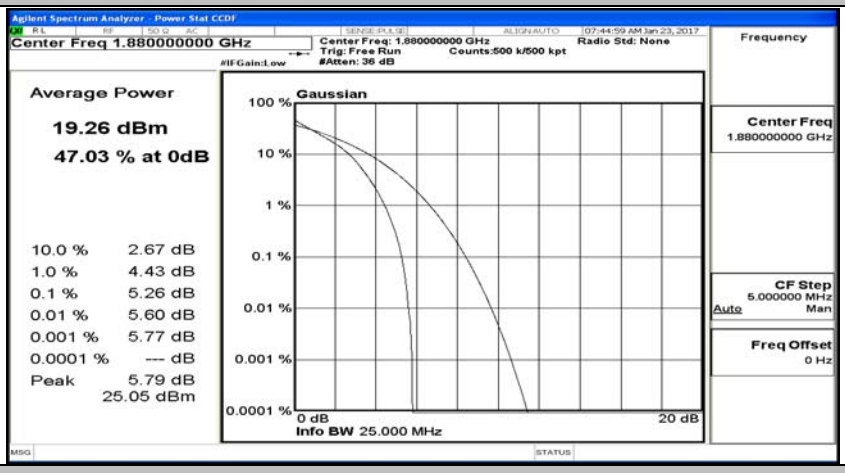
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



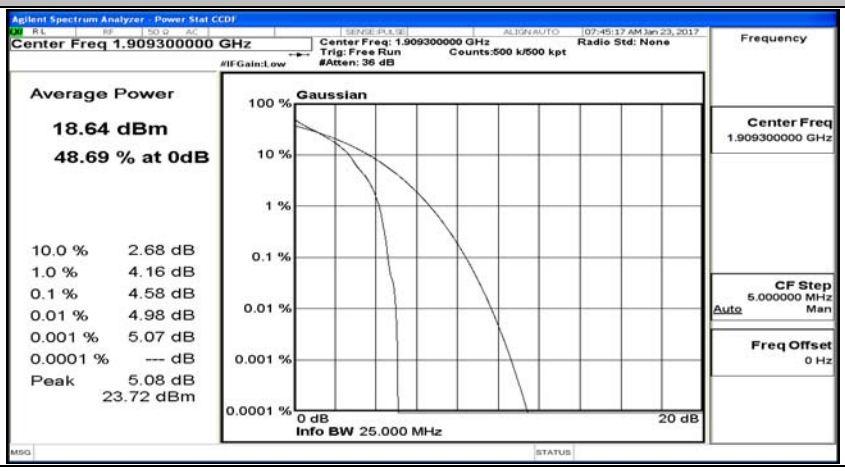
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



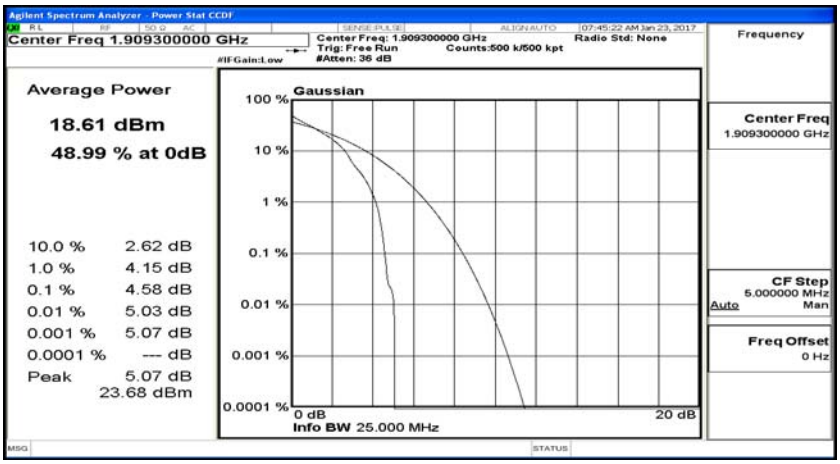
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



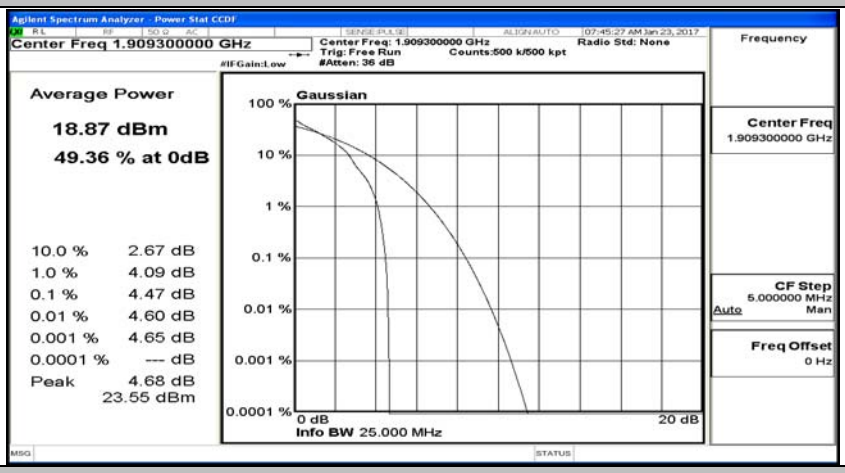
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



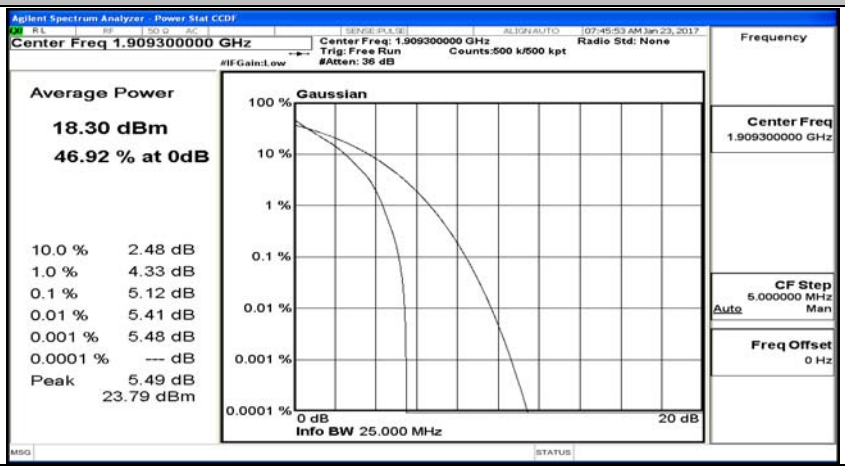
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



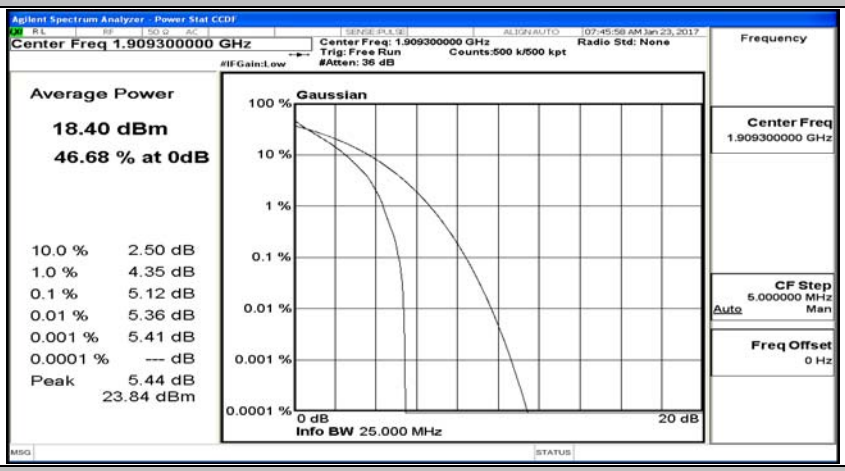
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



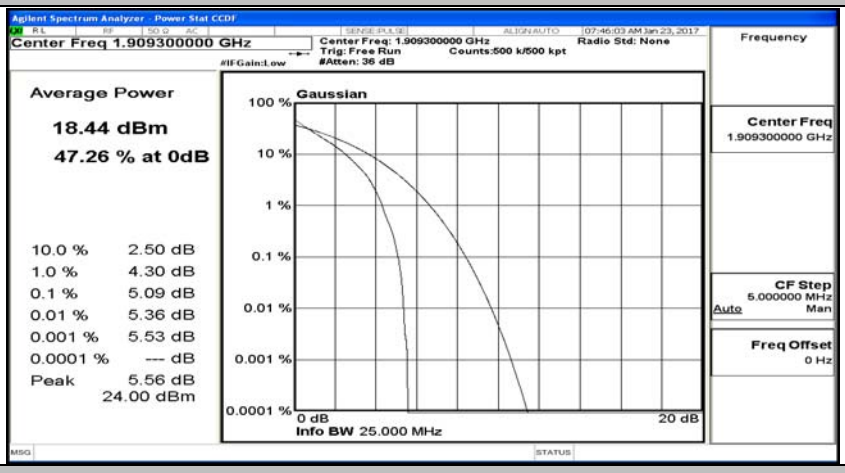
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



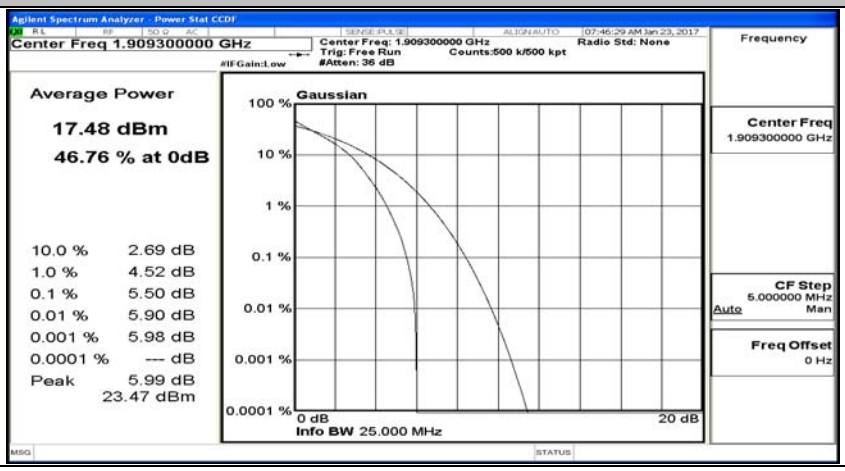
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



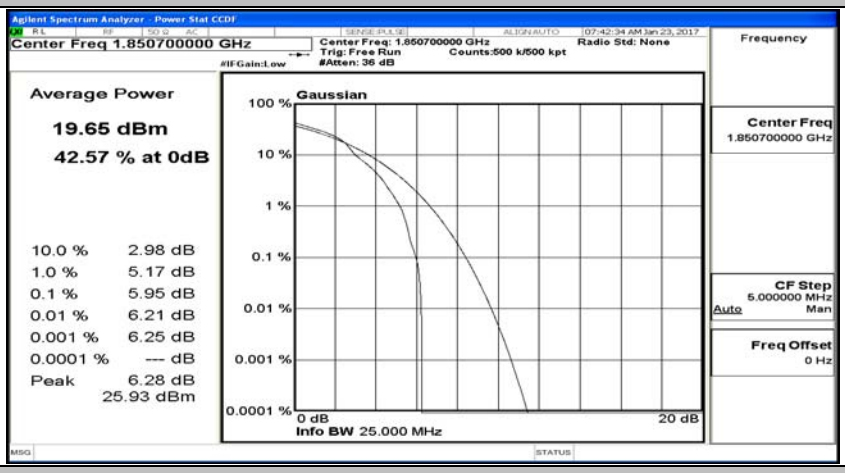
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



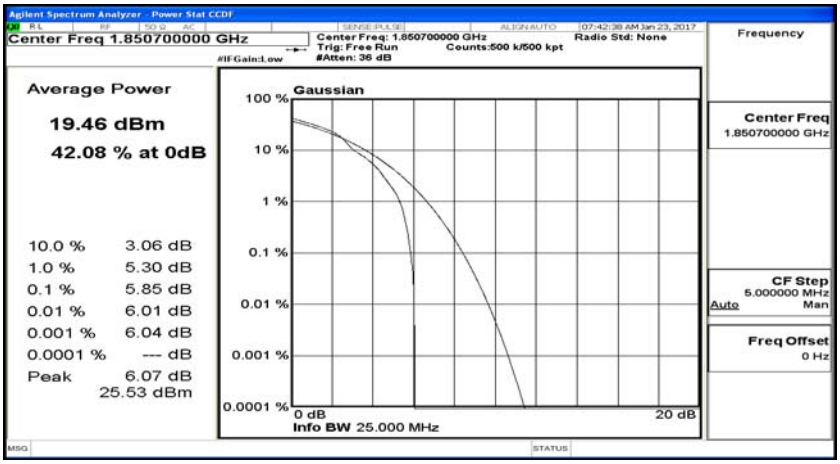
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



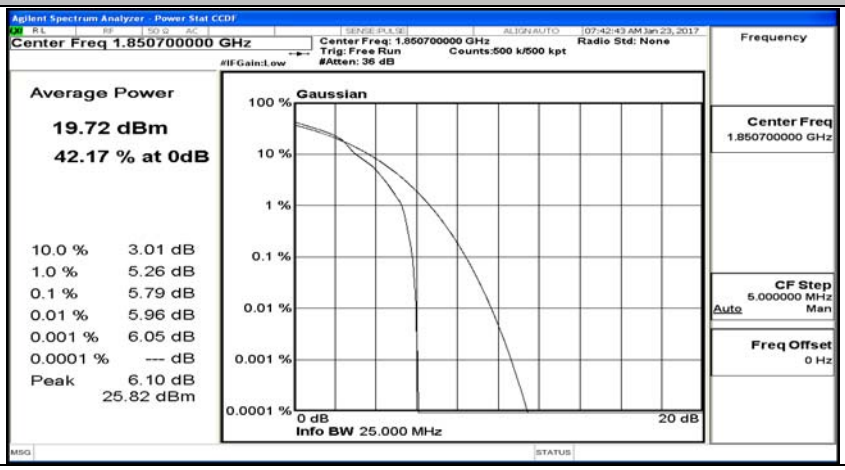
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



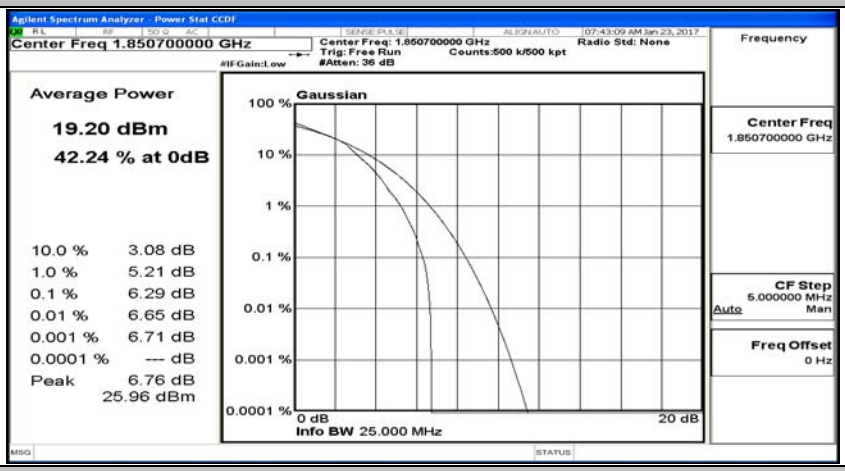
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



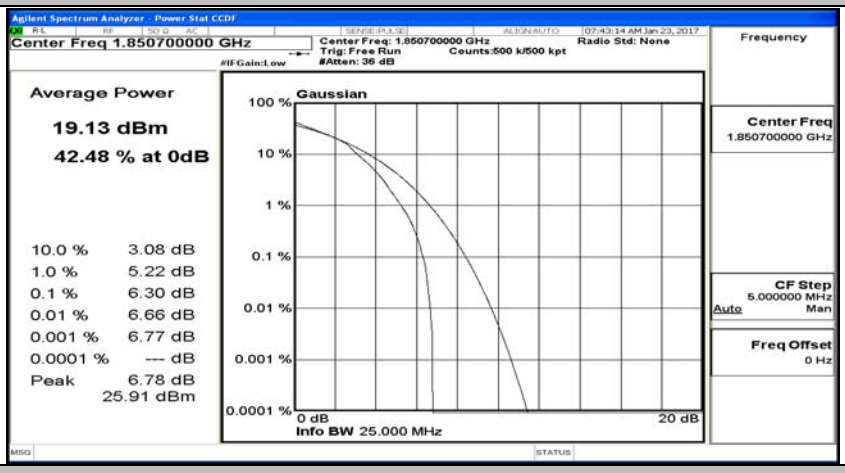
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



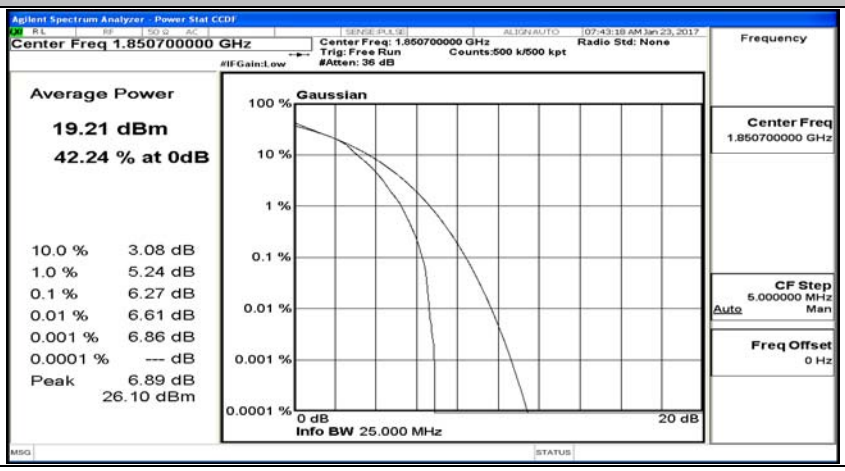
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



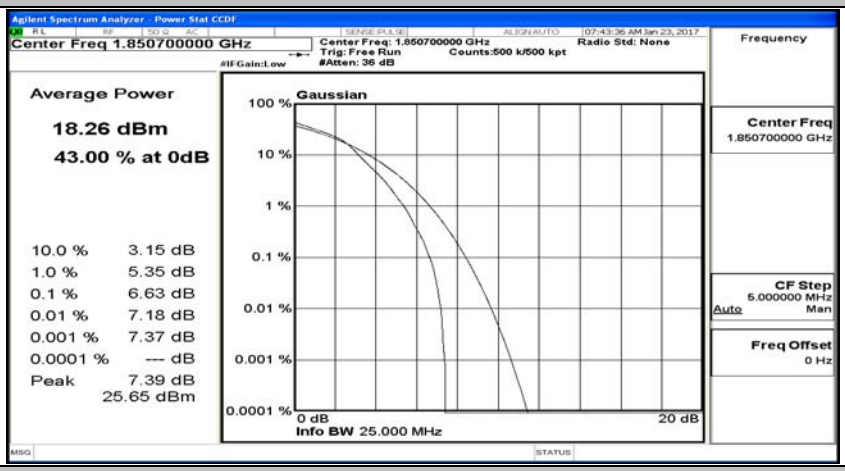
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



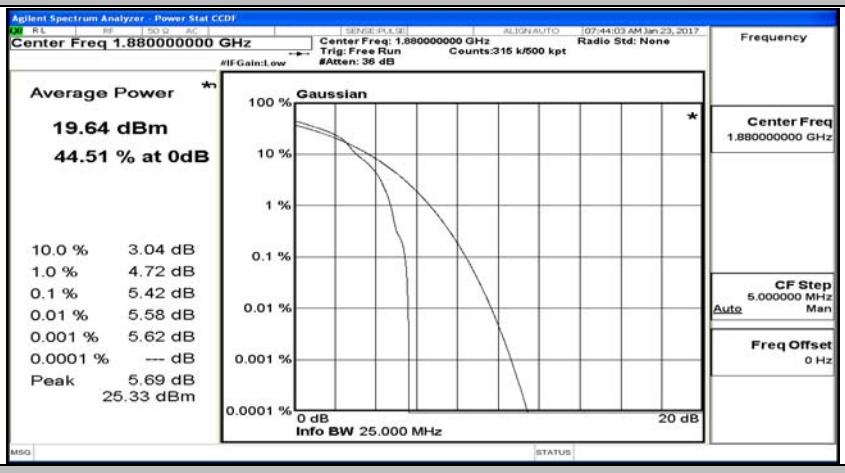
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



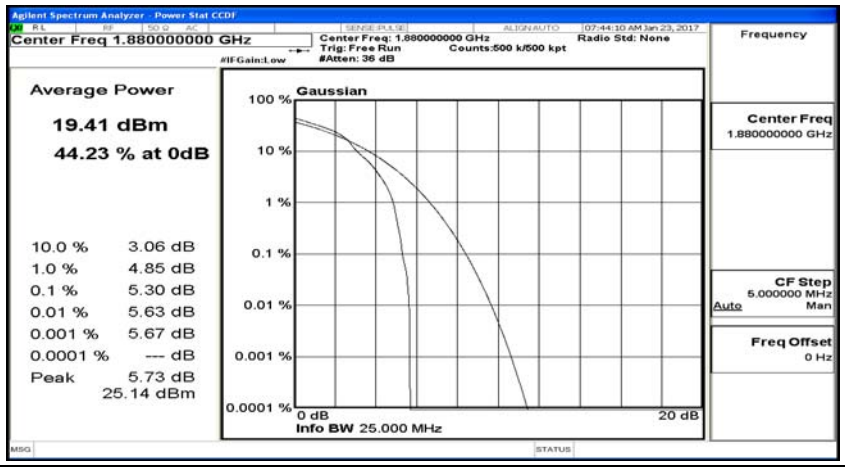
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



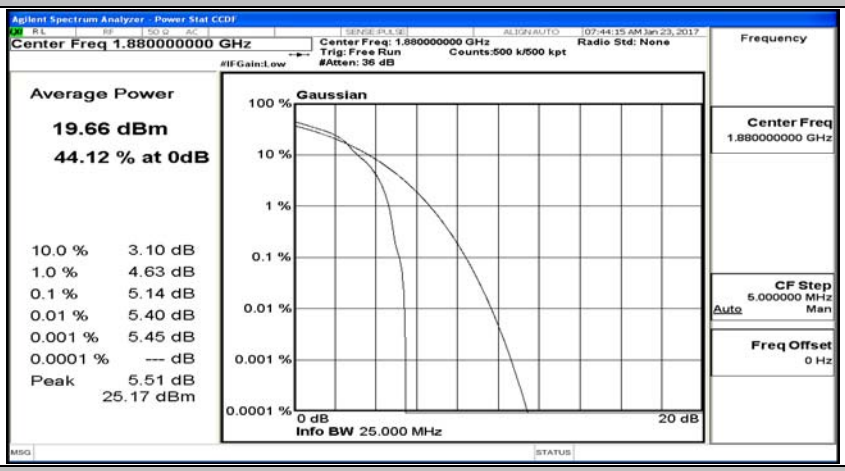
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



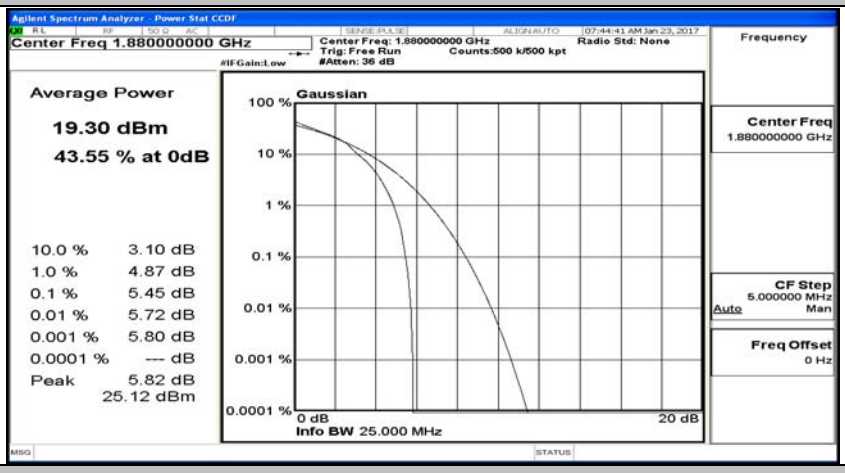
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



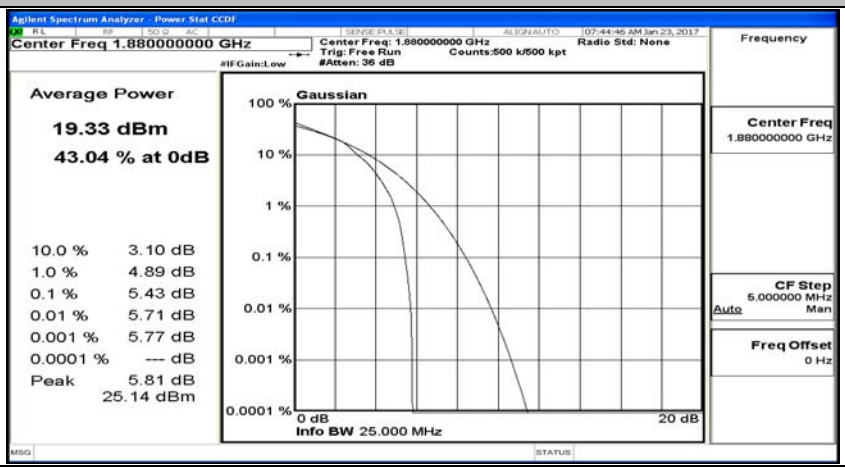
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



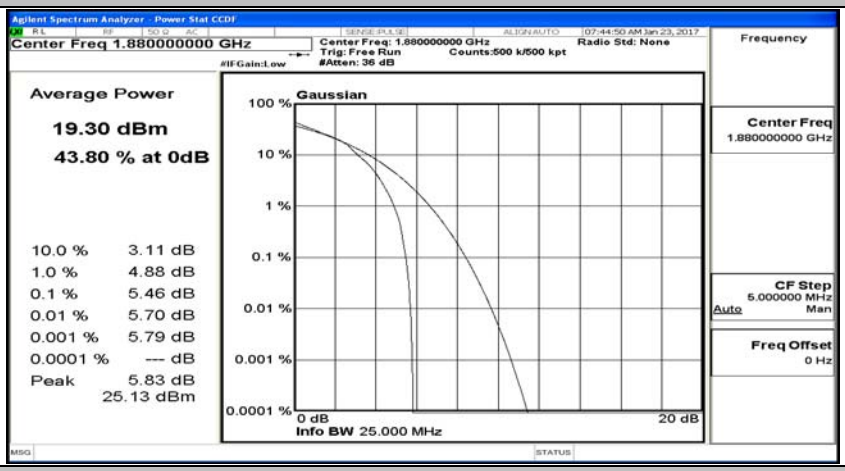
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



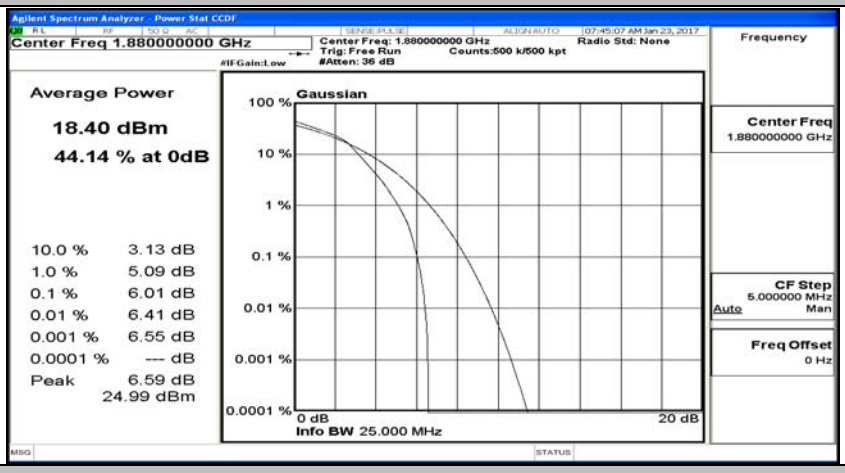
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



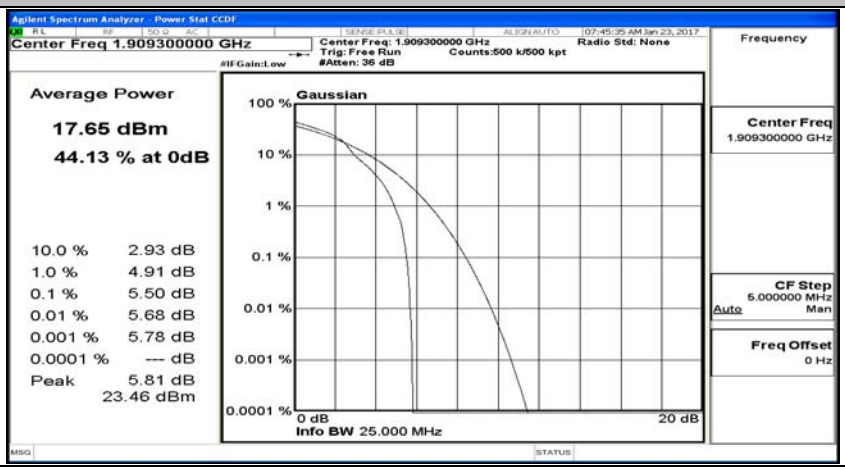
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



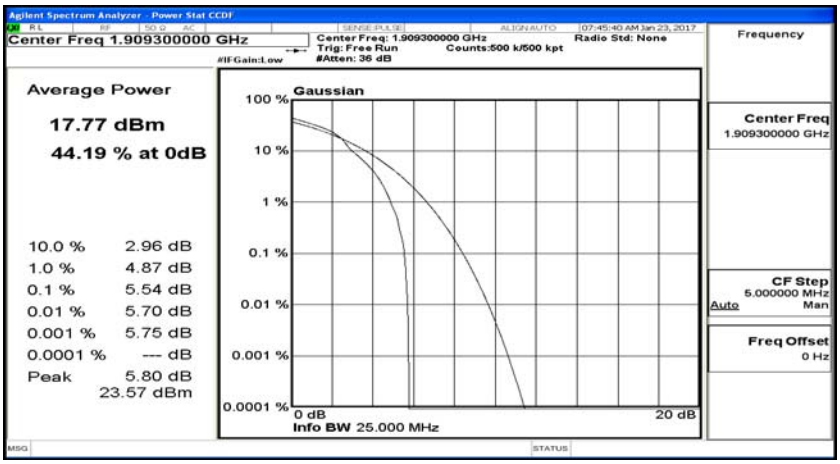
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



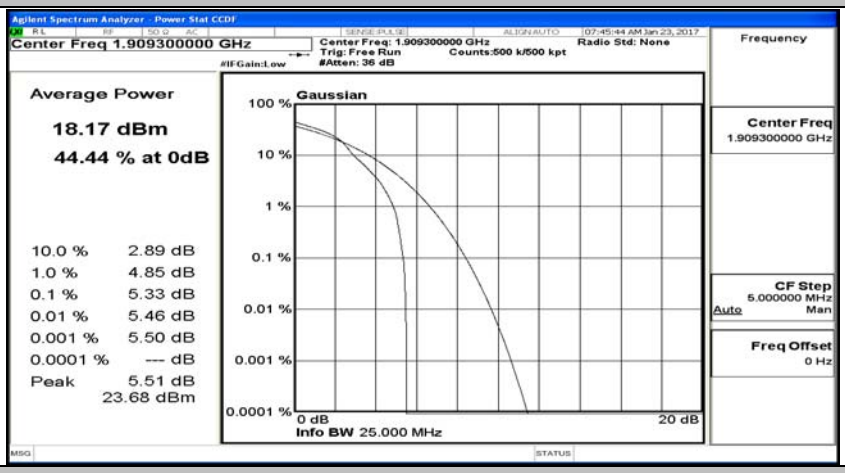
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



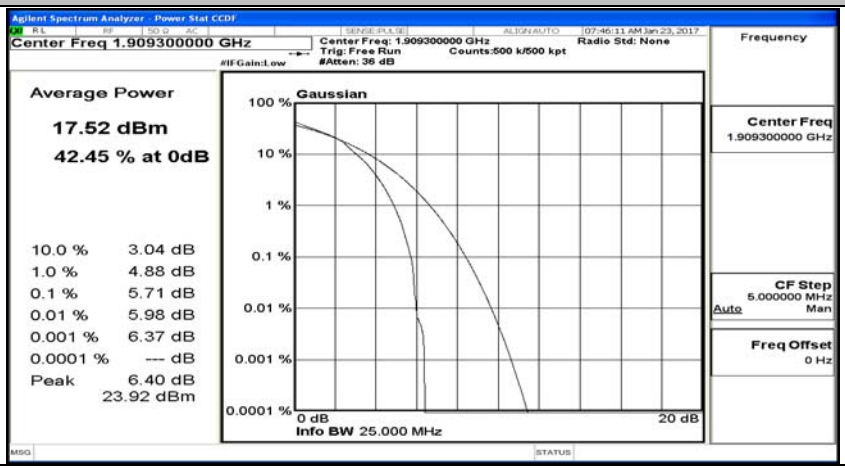
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



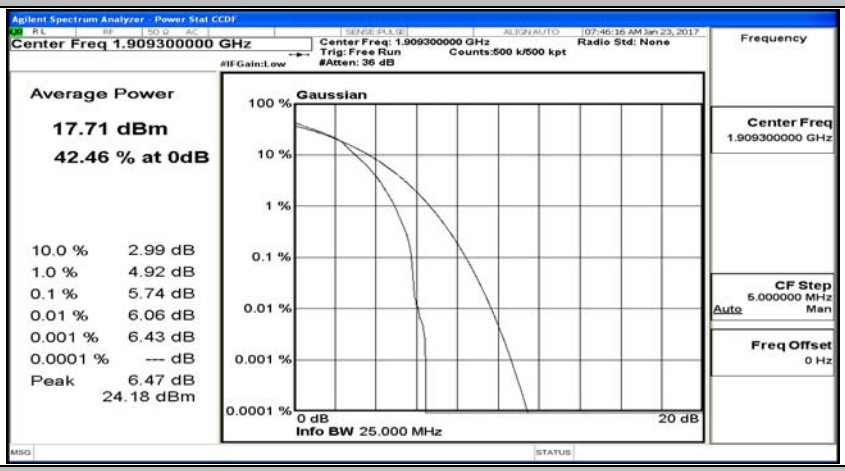
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



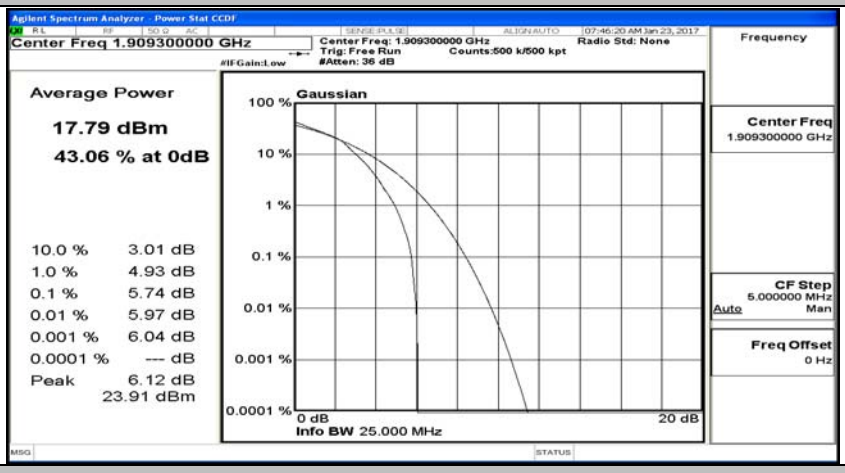
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3



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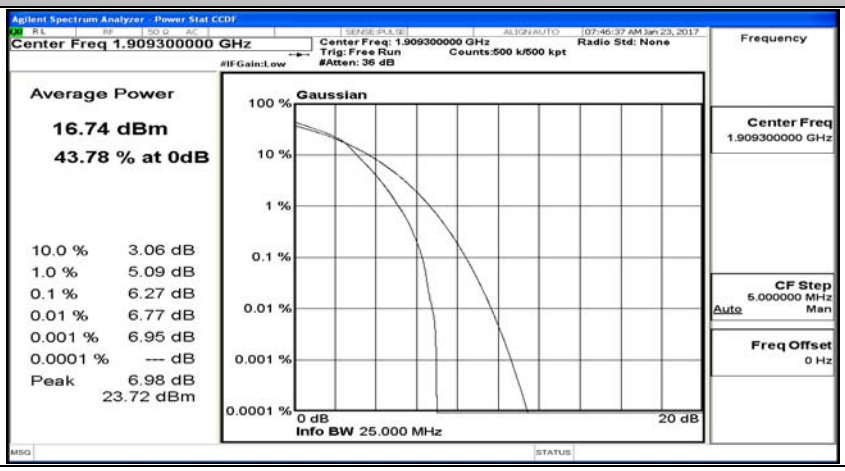
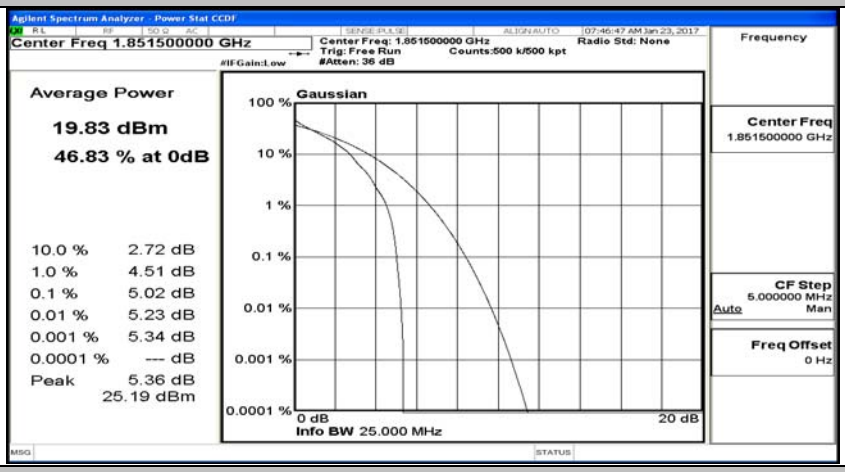
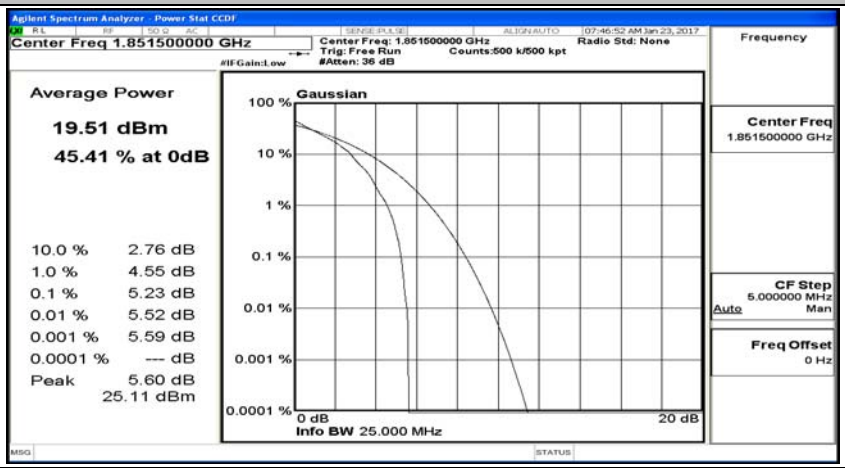


Channel Bandwidth: 3 MHz

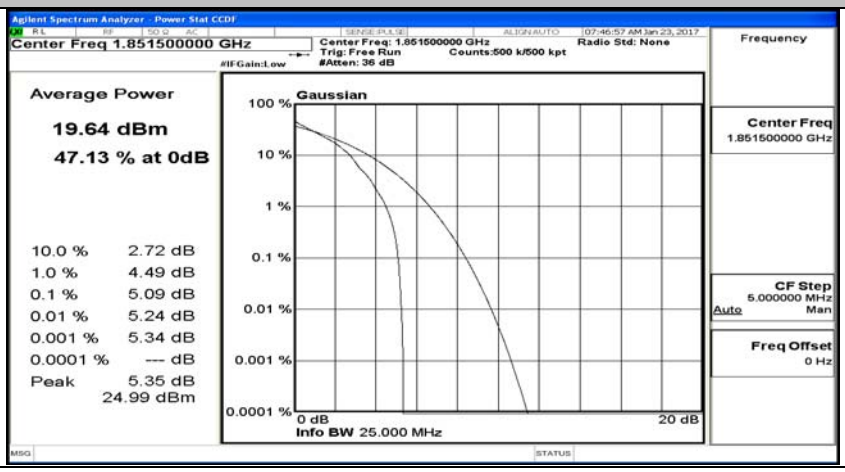
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



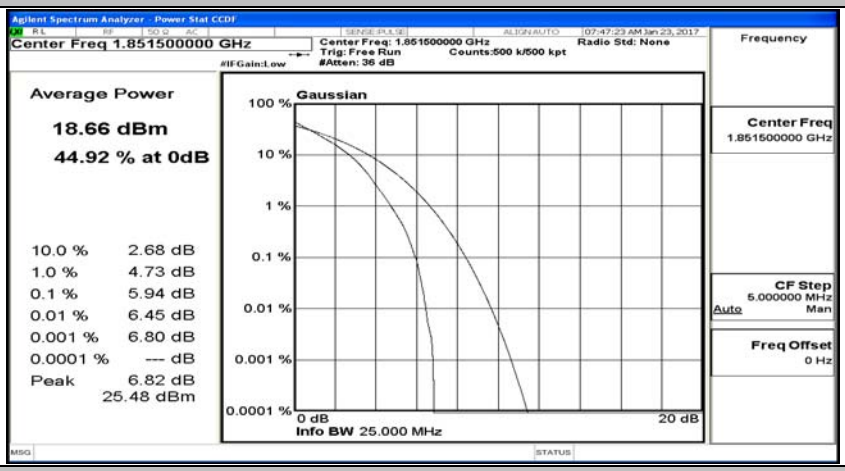
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



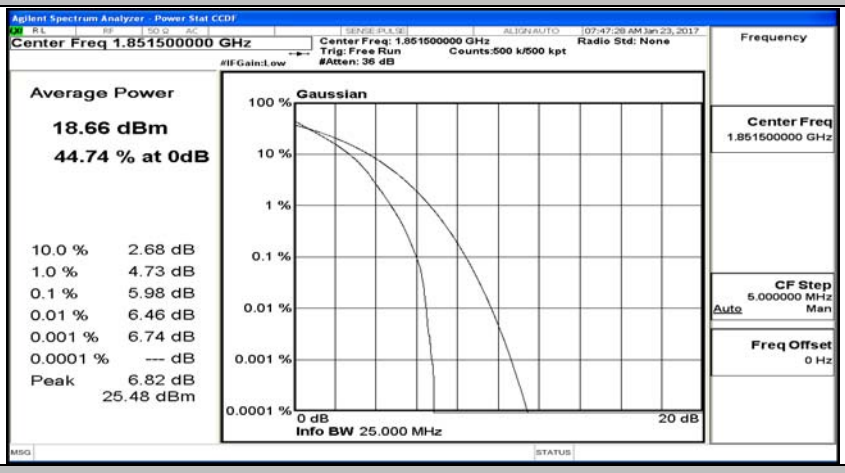
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



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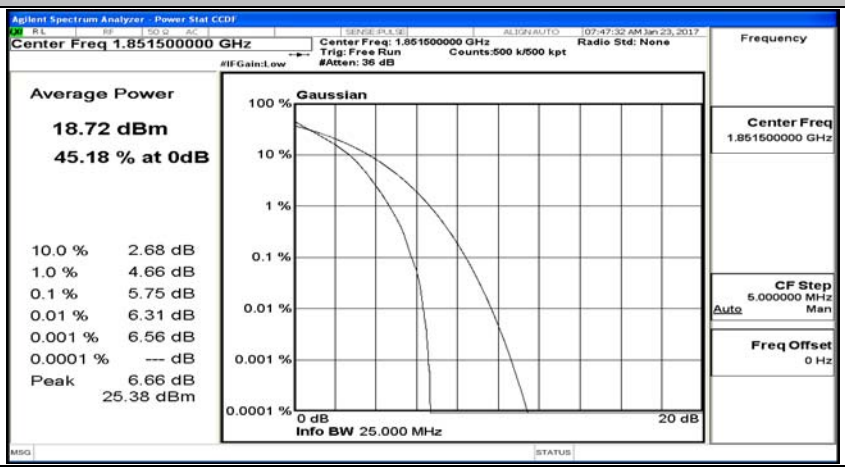
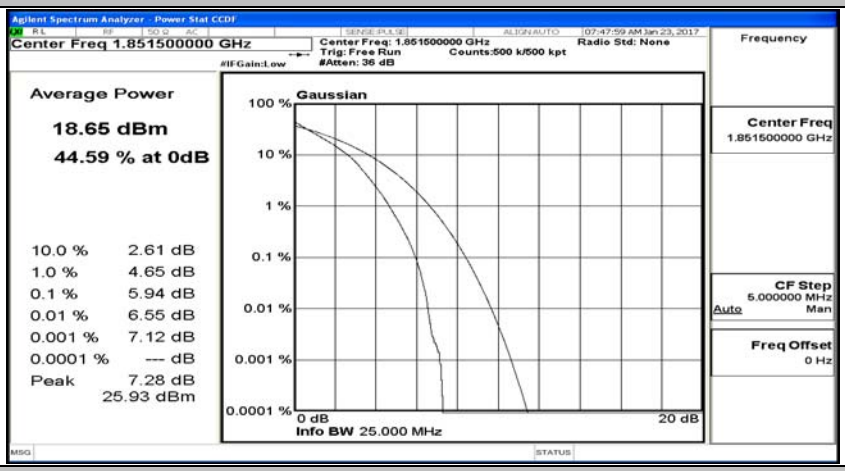
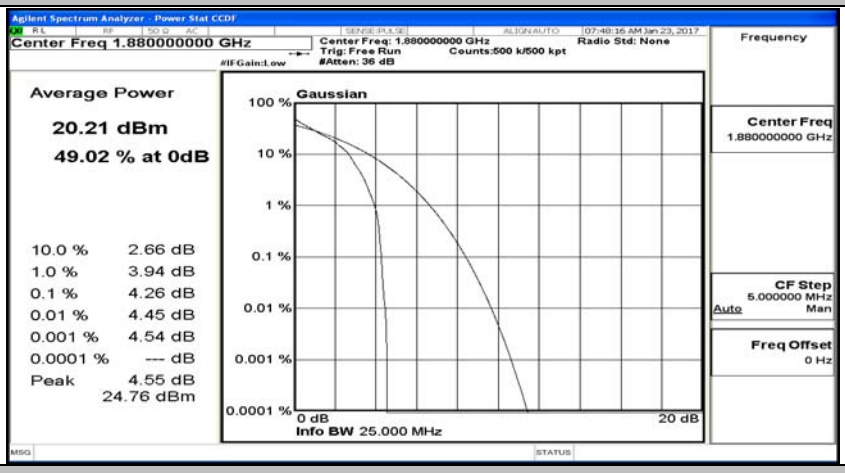


(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



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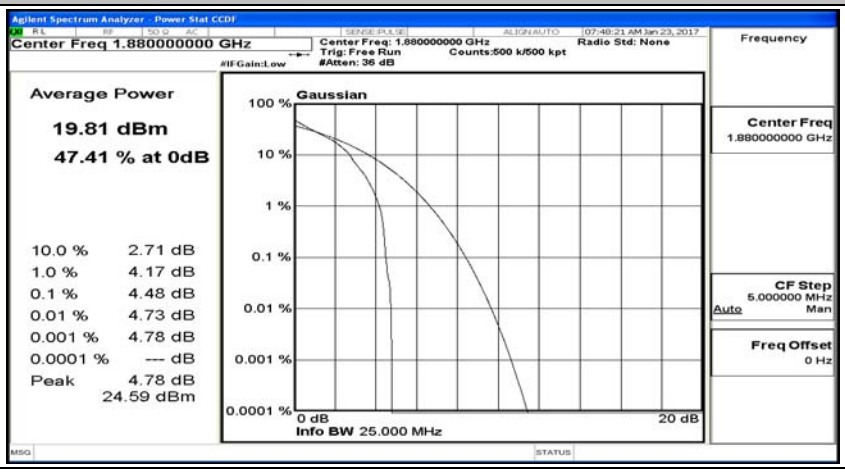

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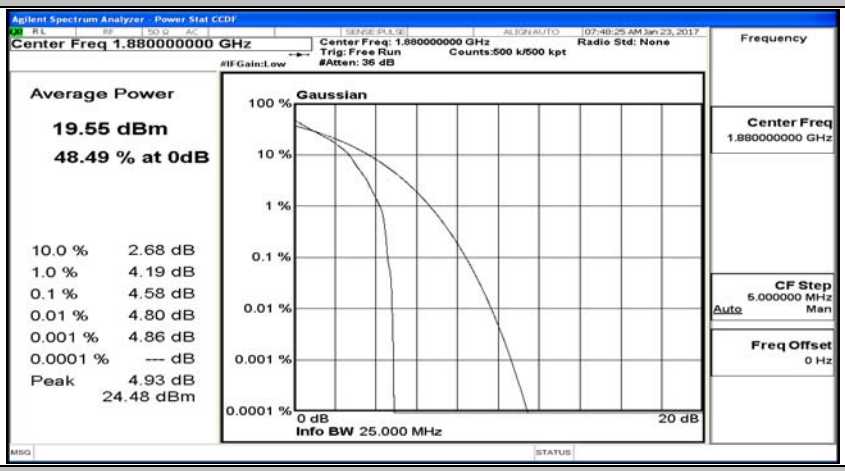

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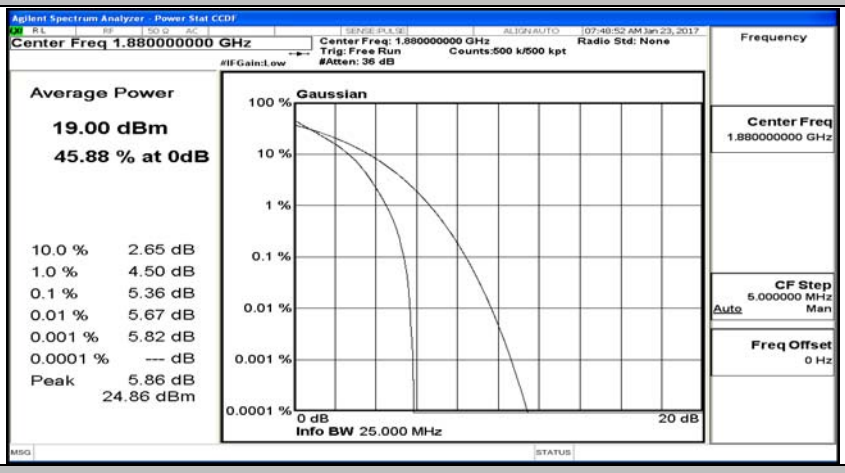
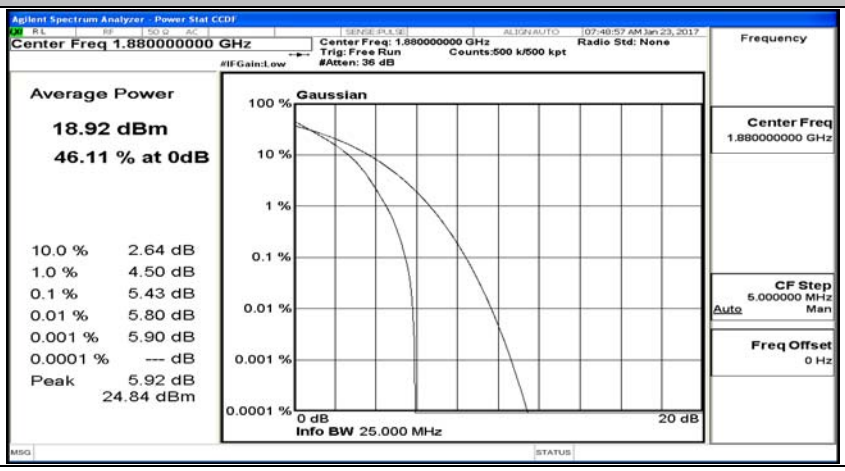


(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



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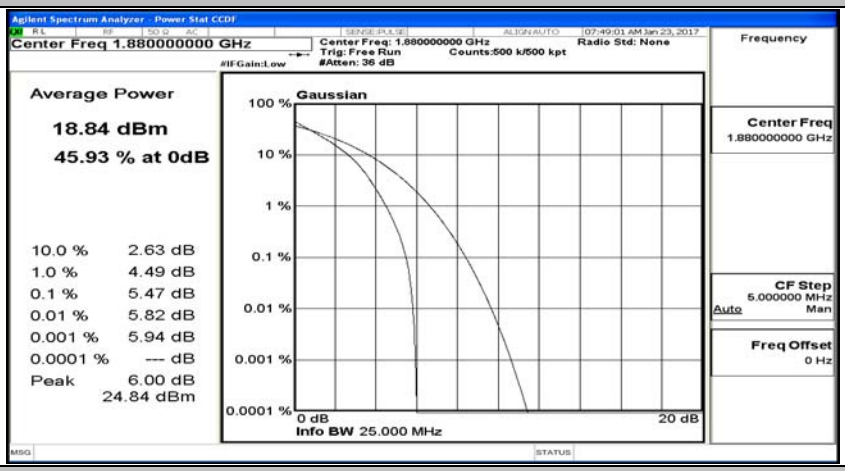

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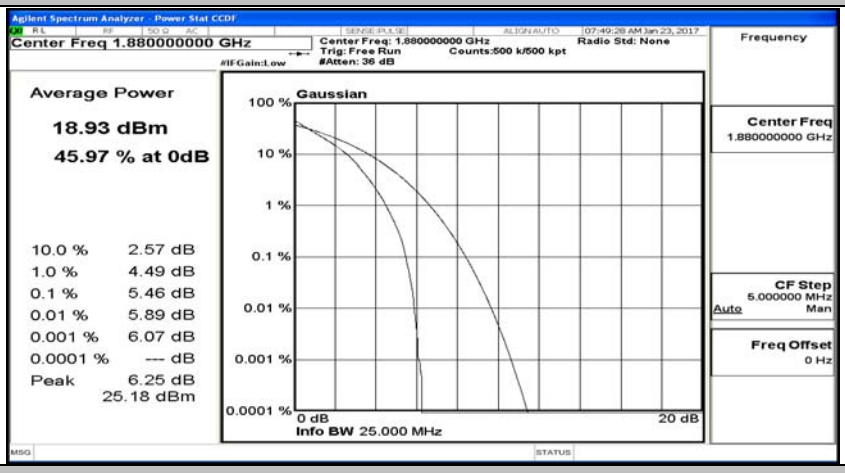

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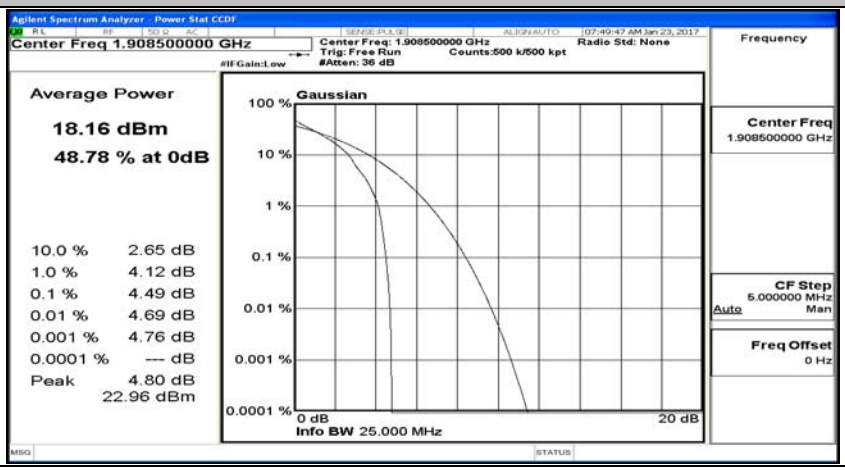
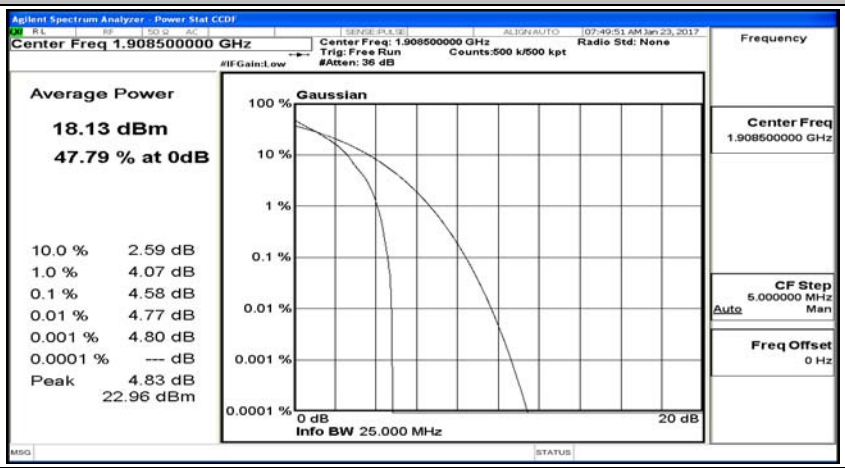
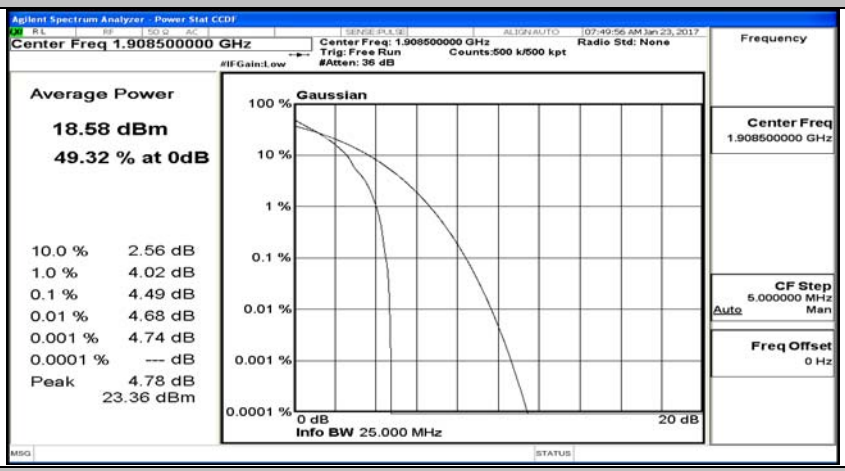


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



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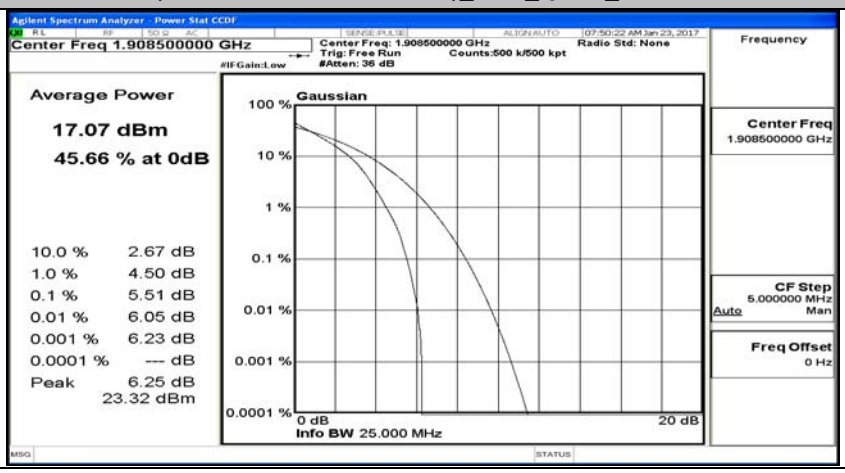

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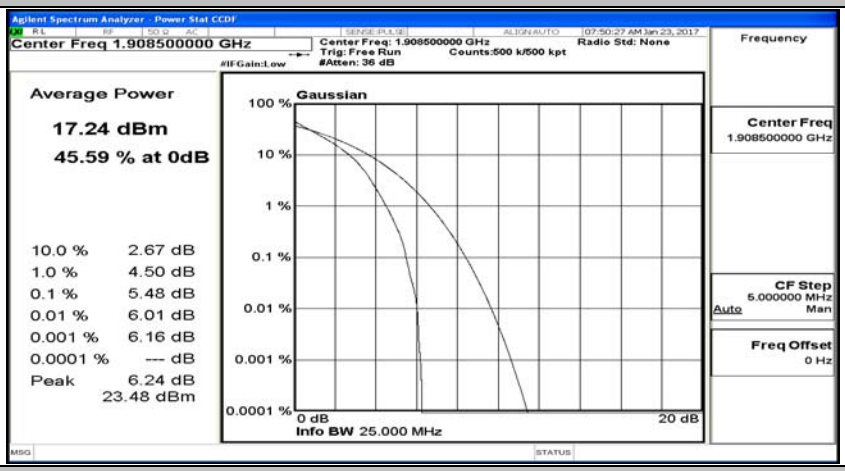
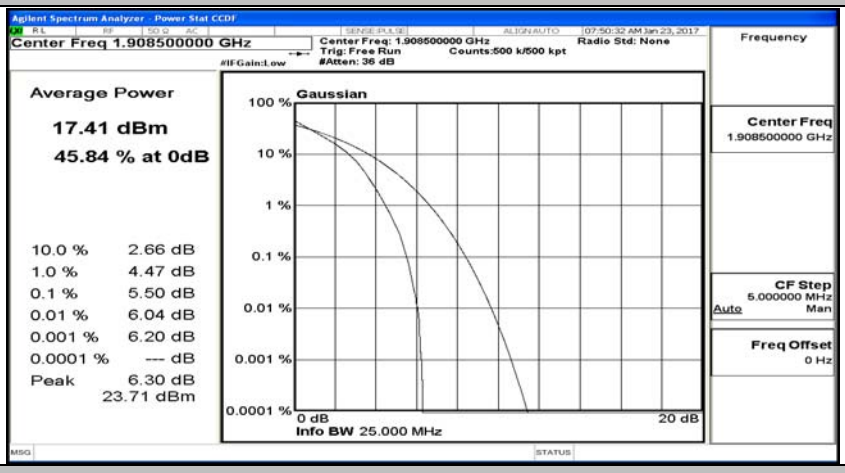
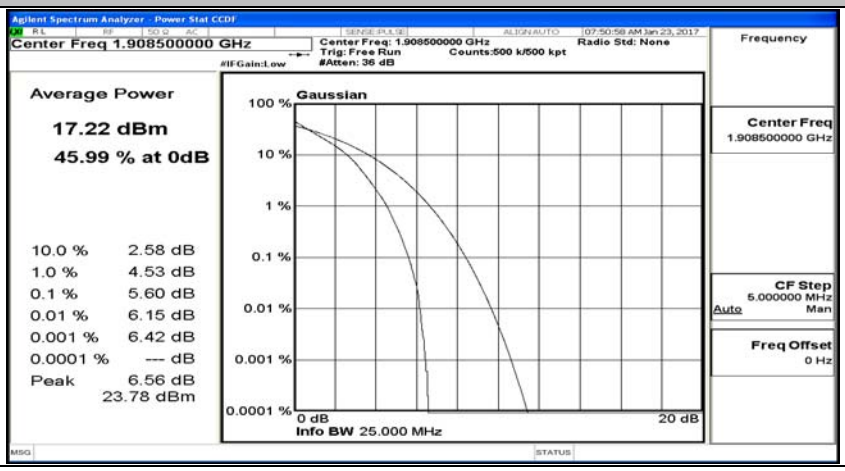


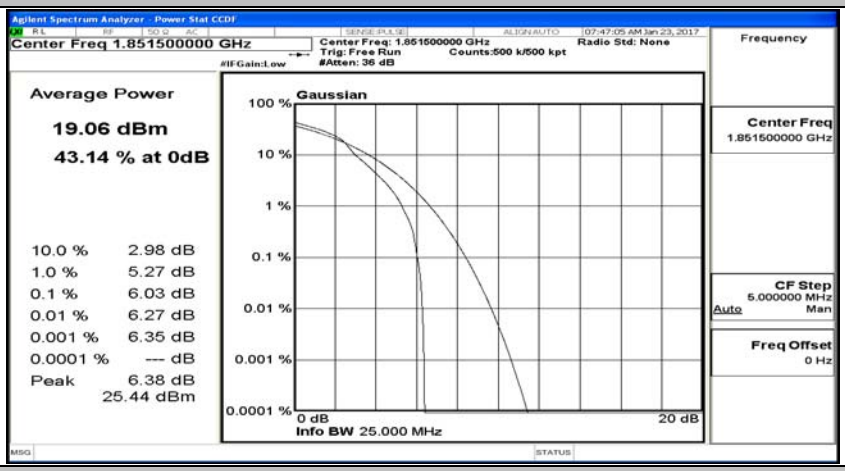
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



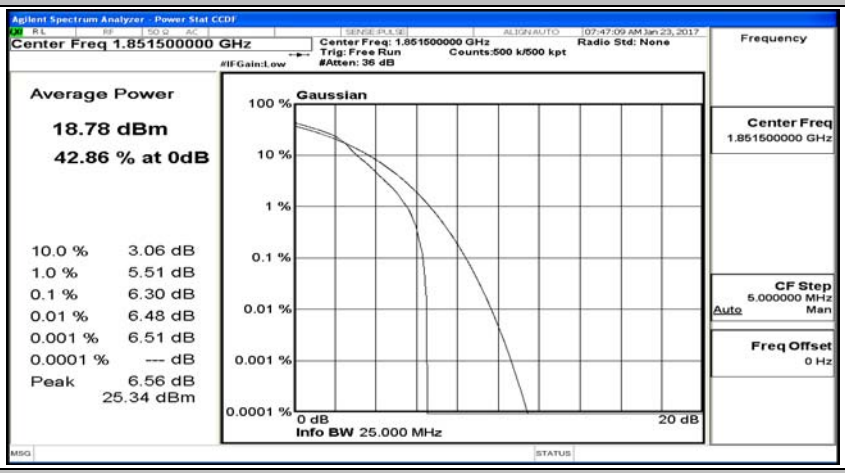
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



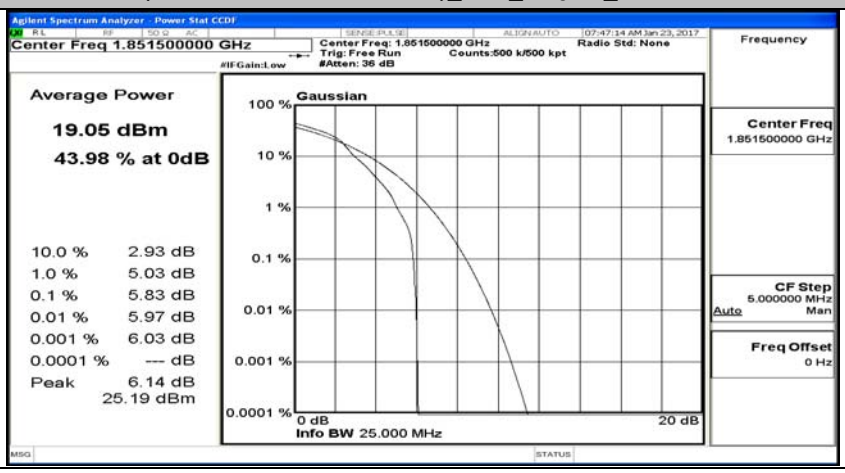
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



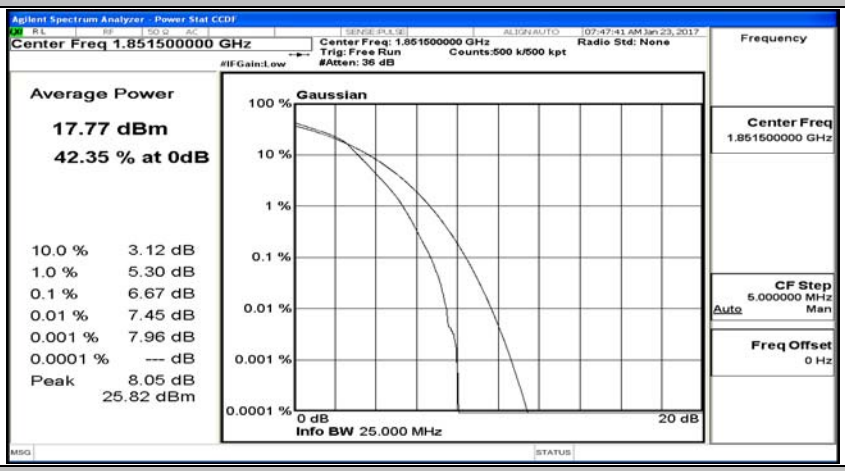
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



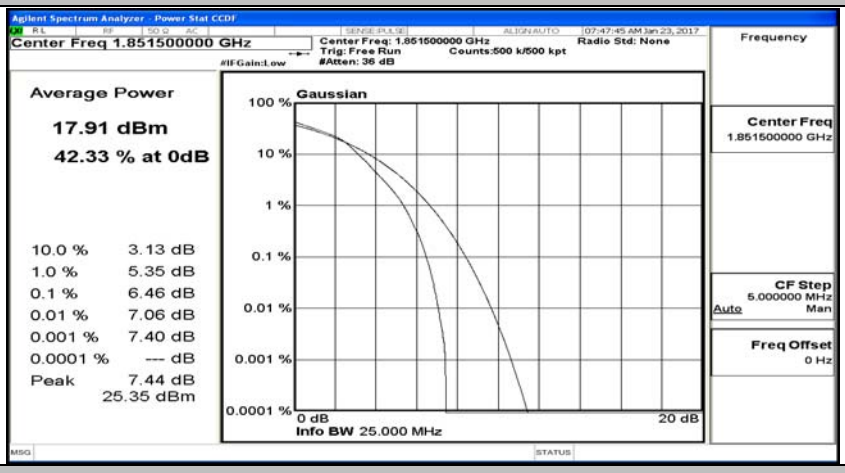
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



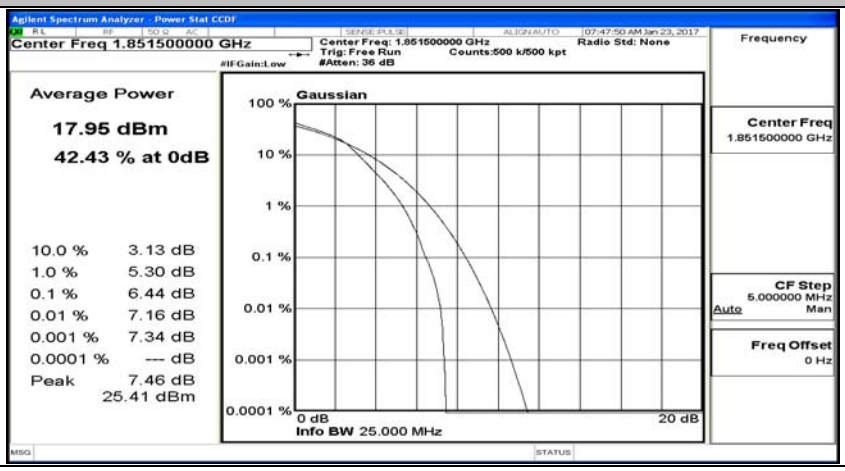
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



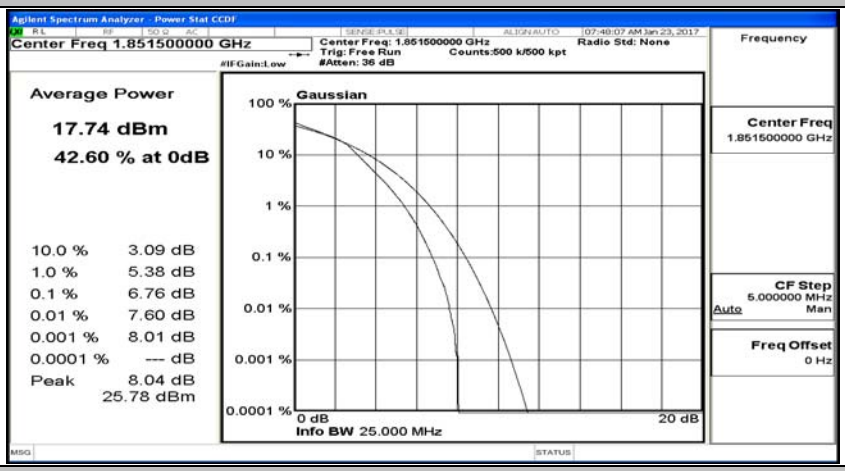
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



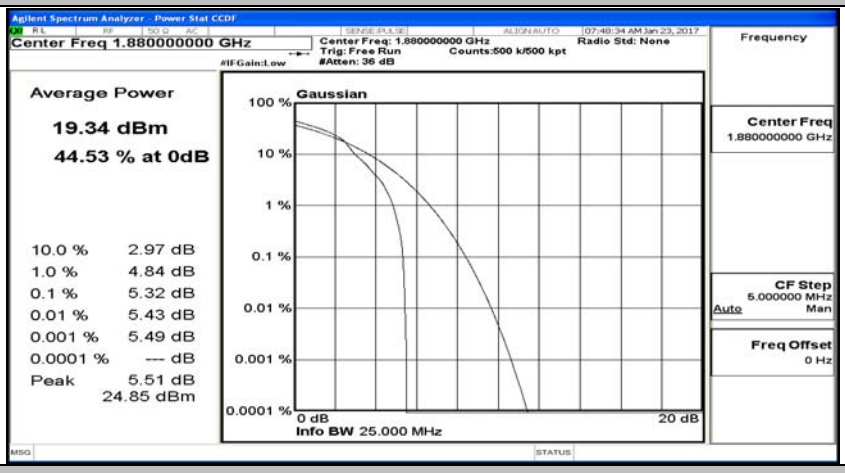
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



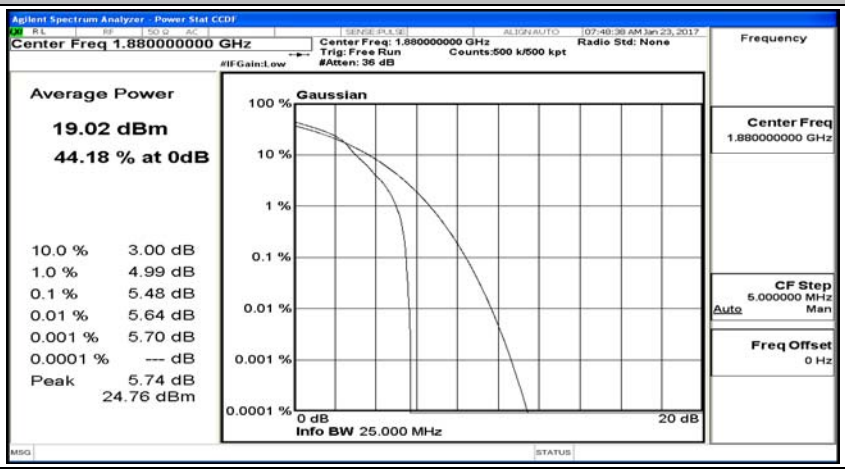
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



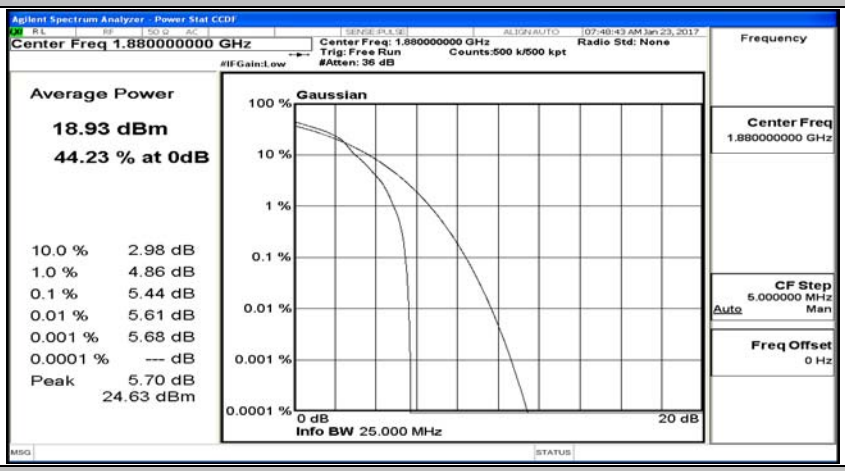
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



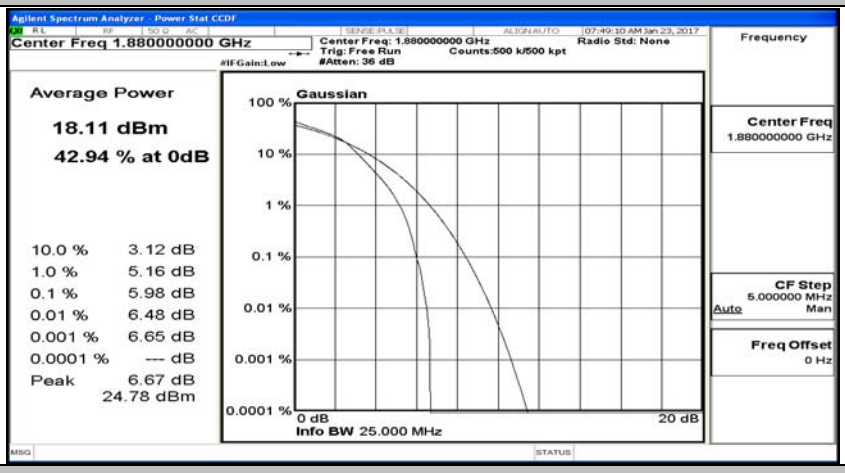
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



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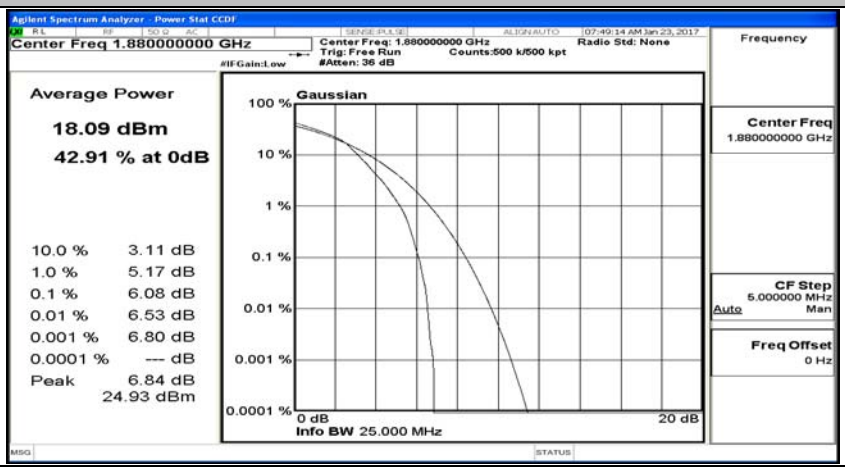
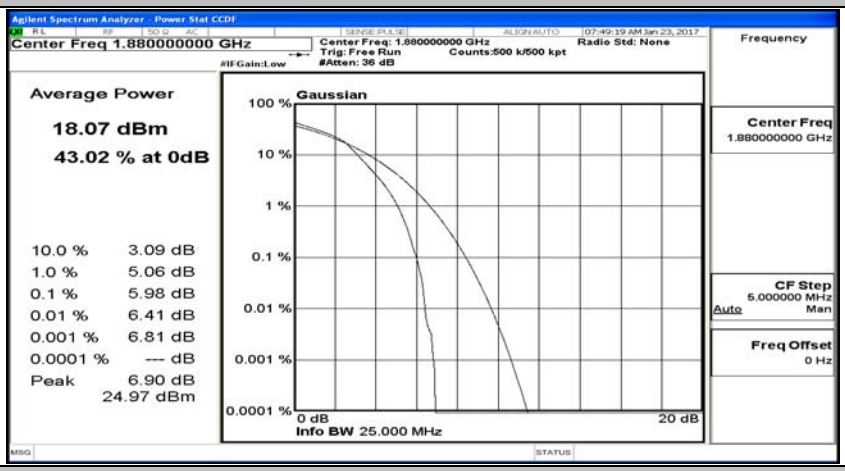
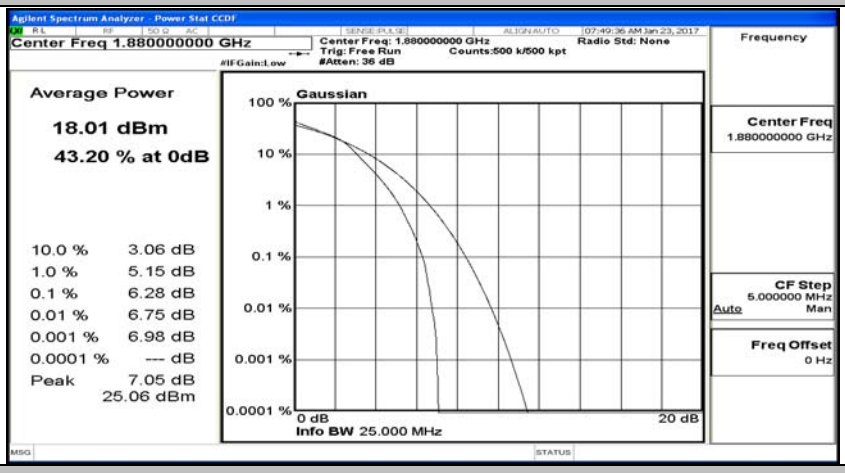


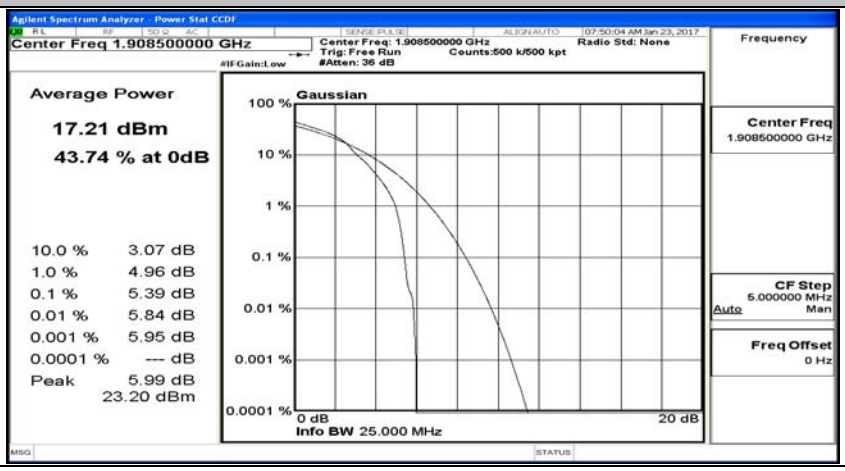
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



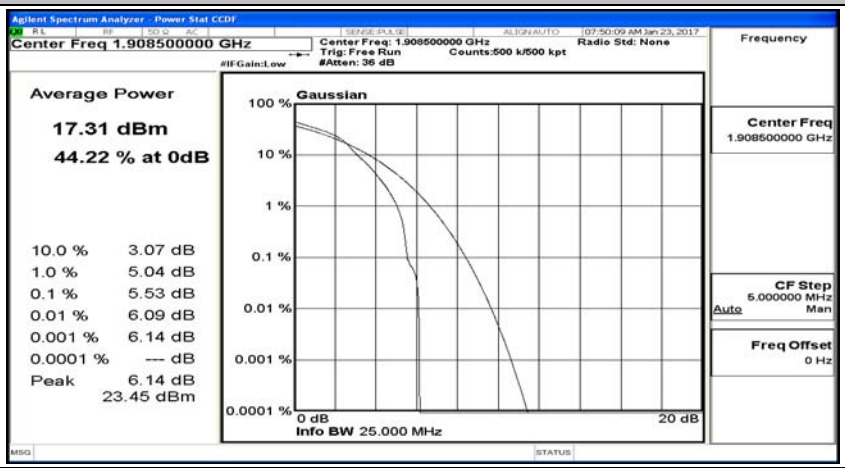
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



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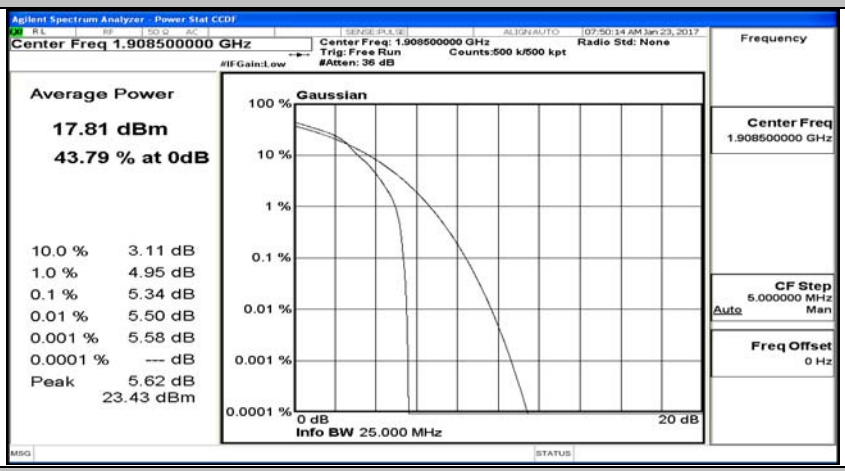
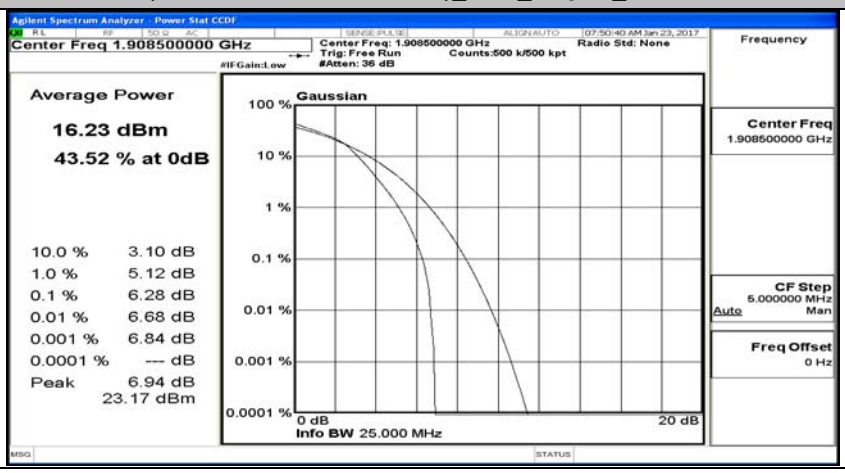
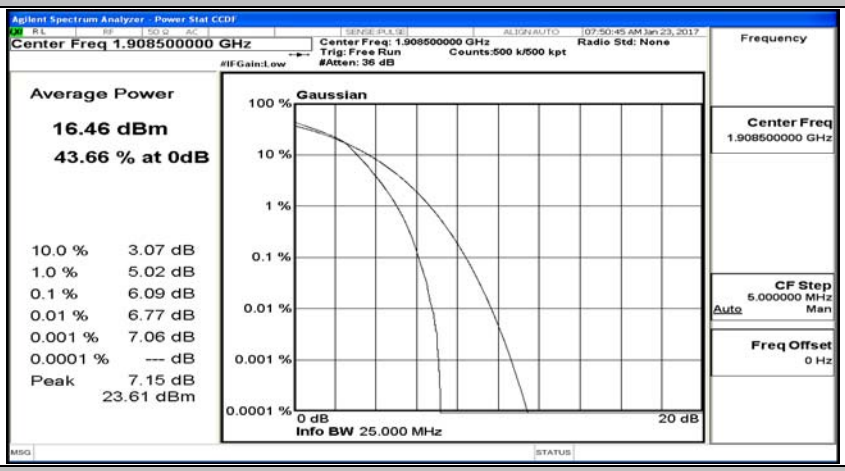


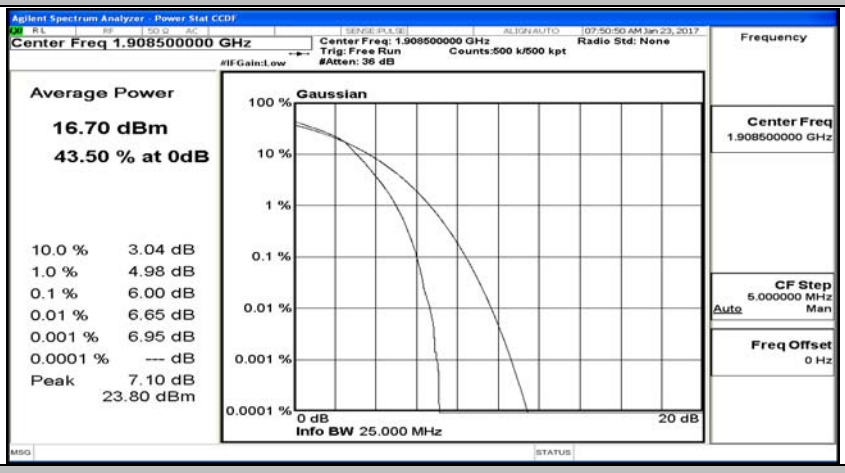
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



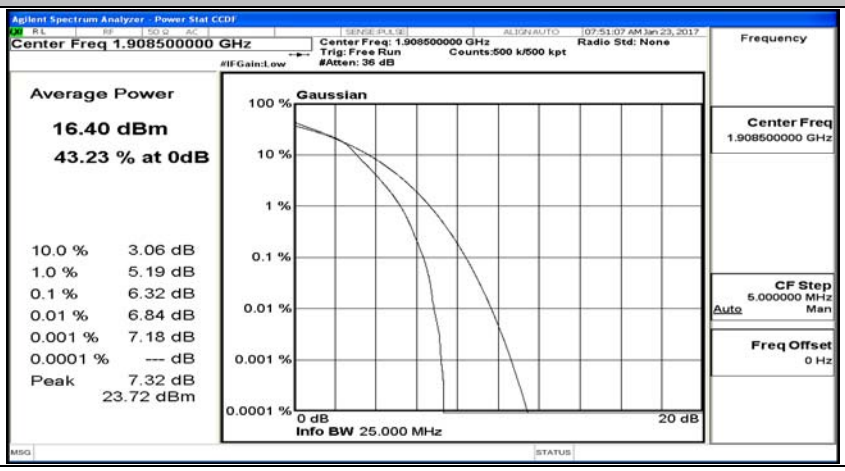
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

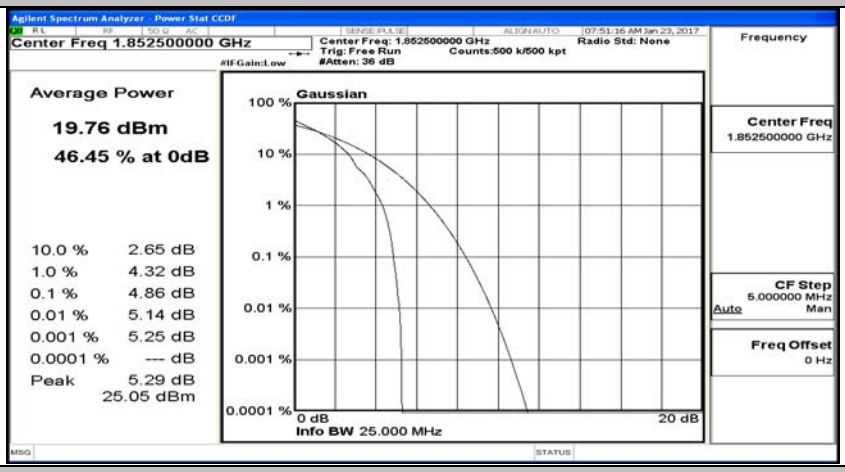


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

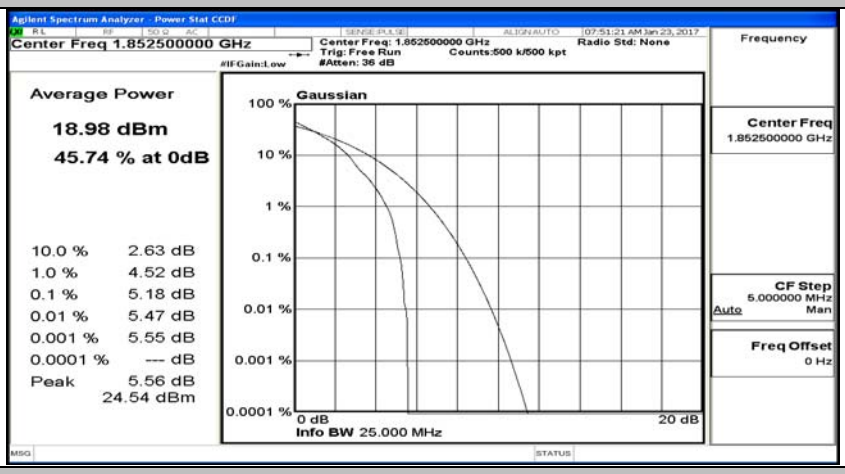


Channel Bandwidth: 5 MHz

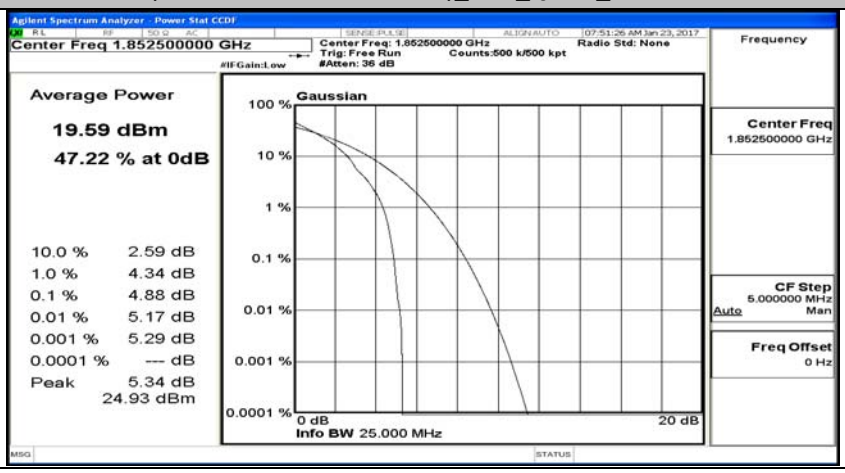
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



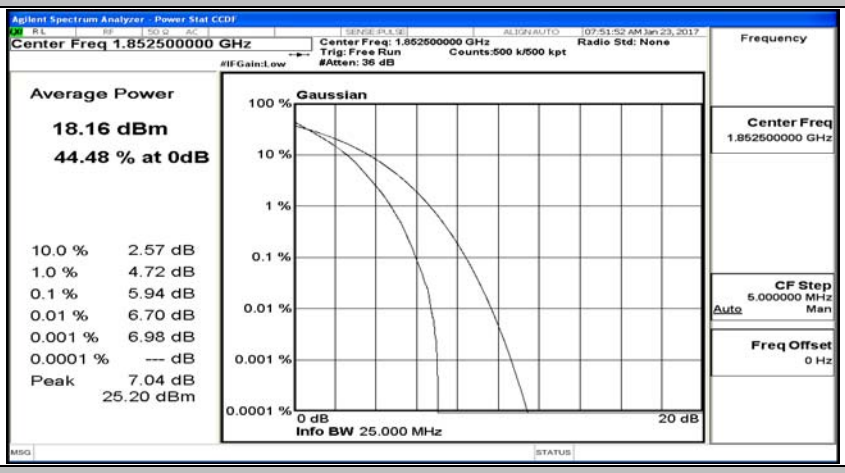
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



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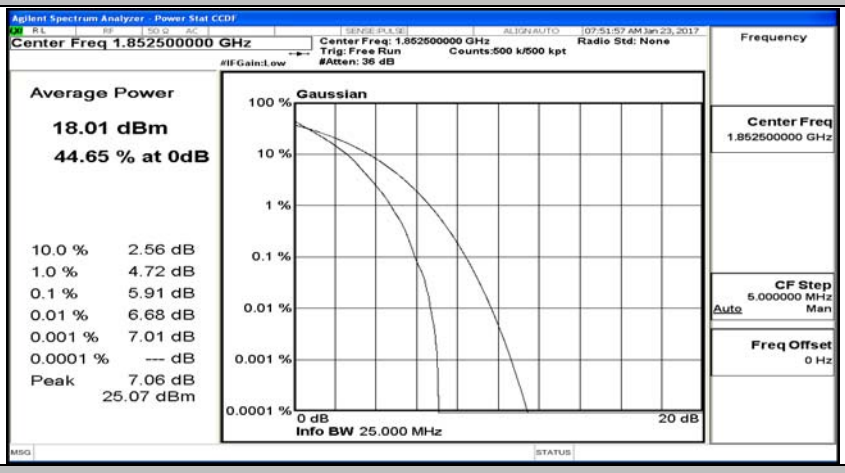
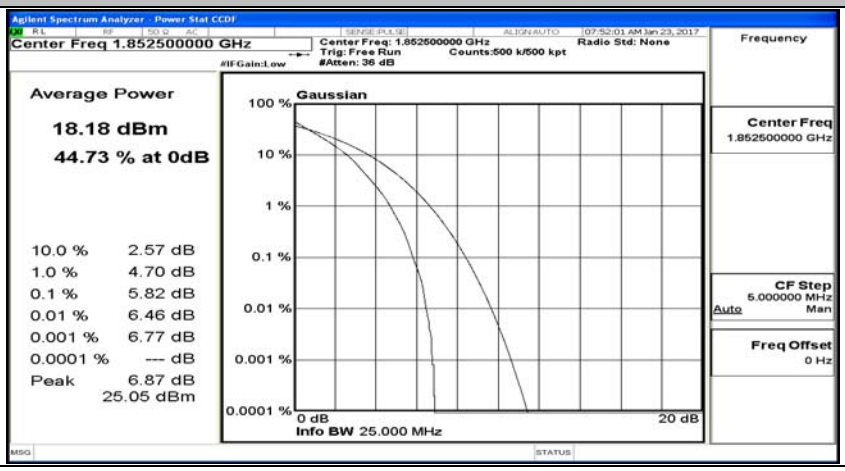
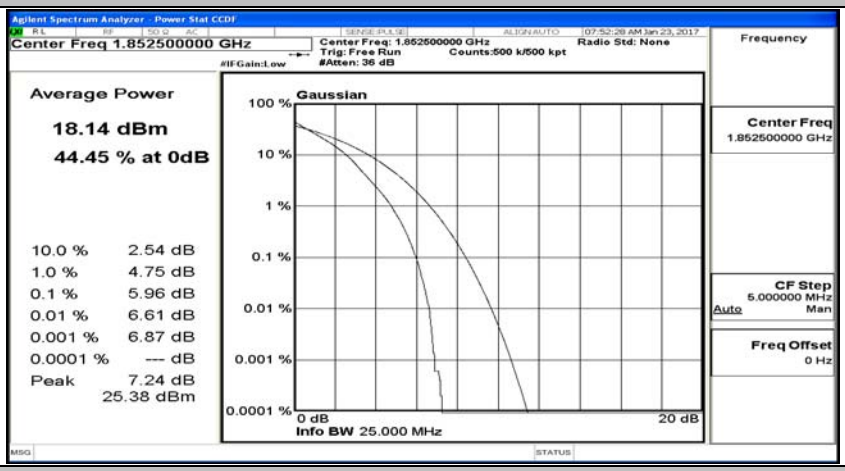


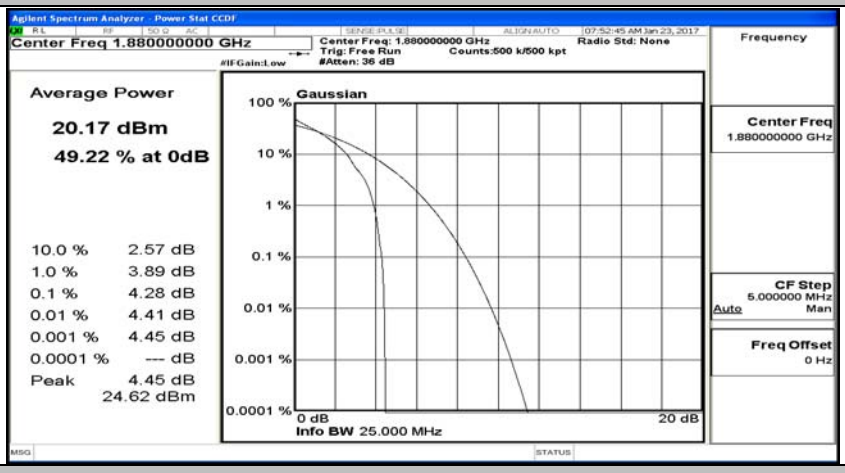
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



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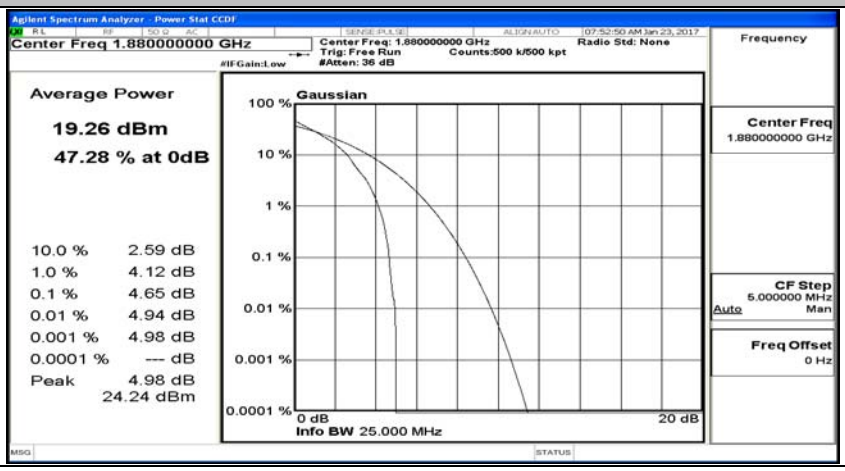

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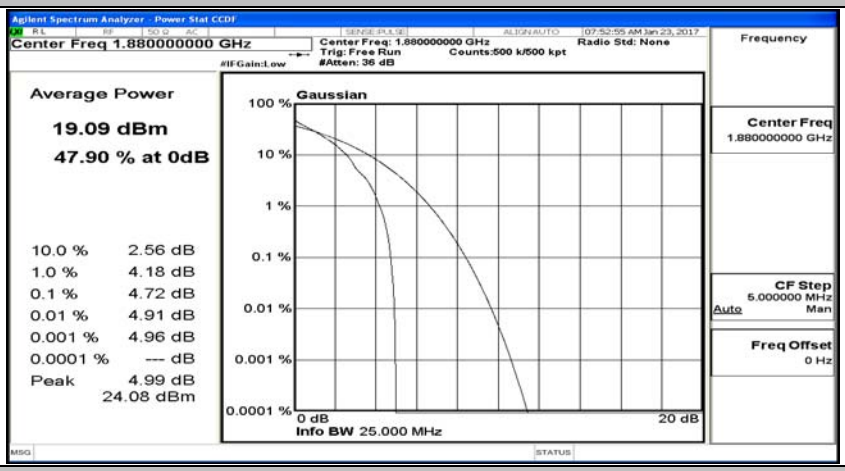

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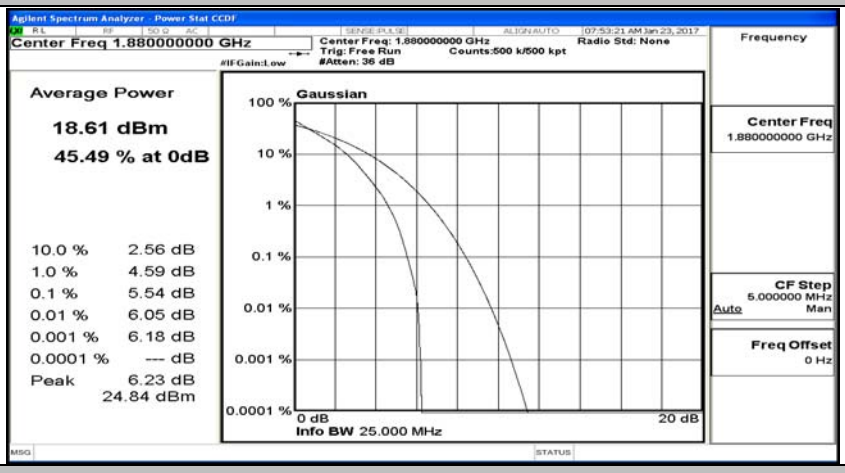
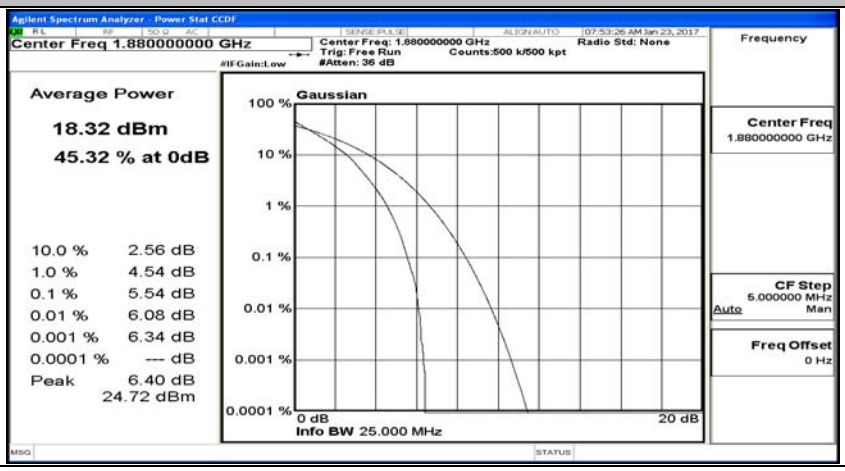


(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



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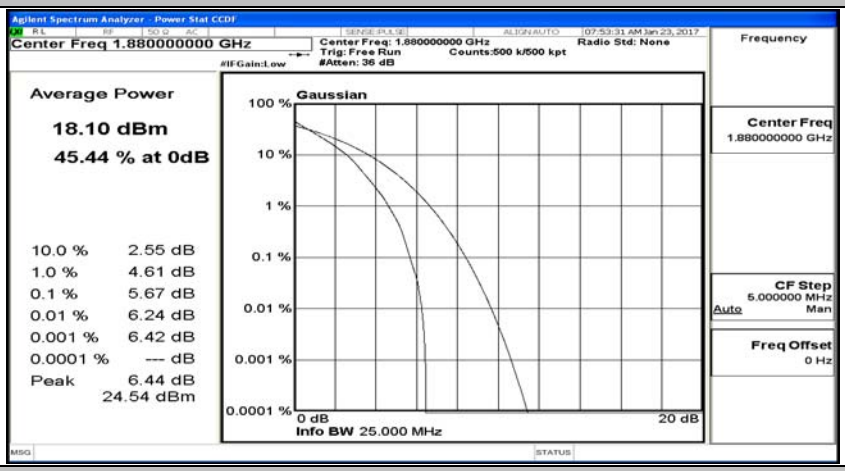

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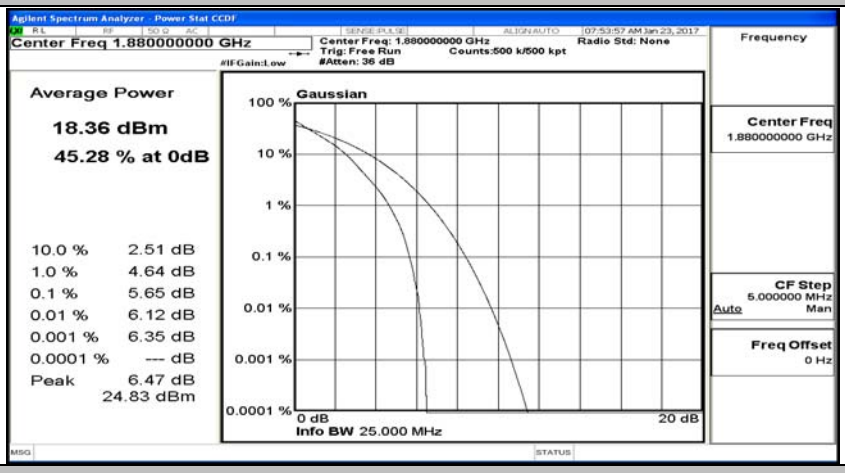

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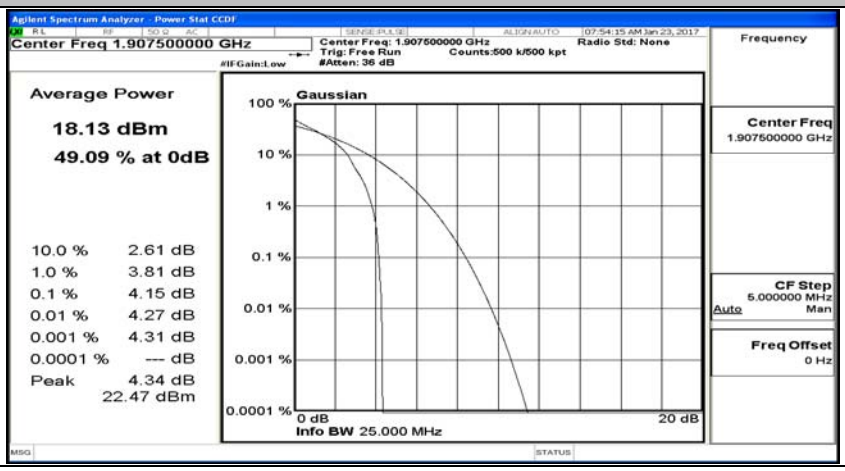
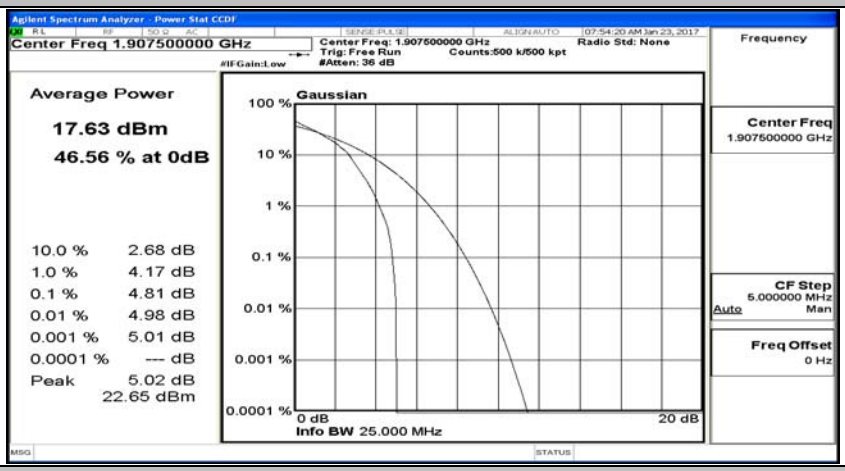


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



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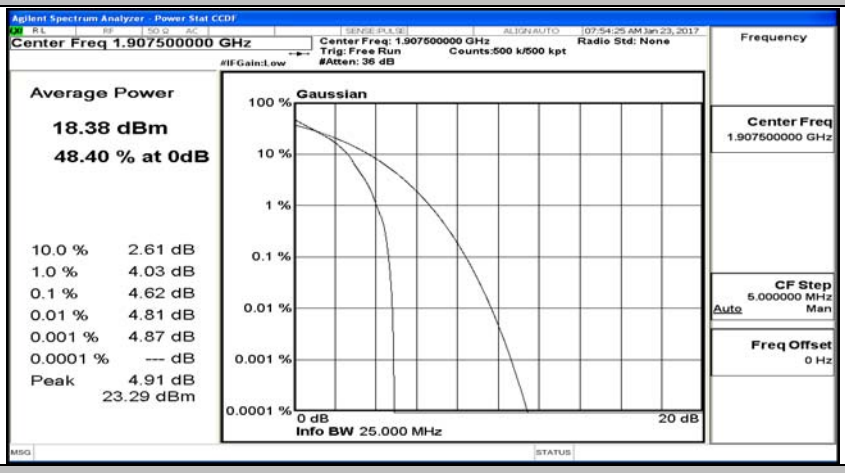

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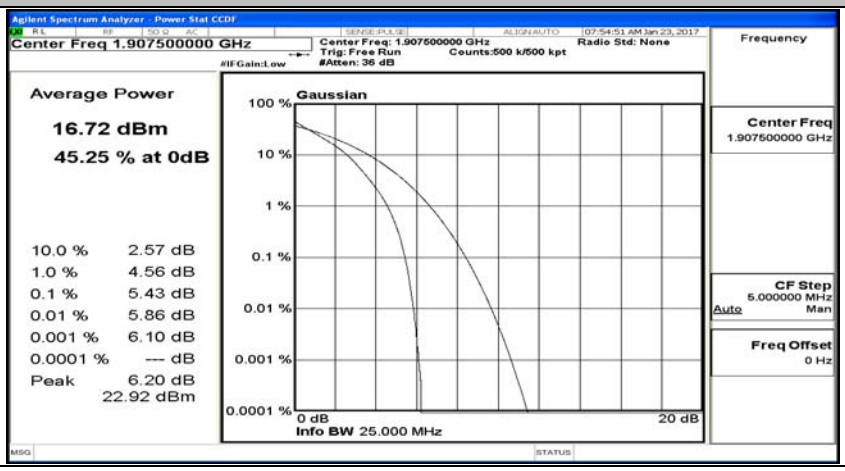
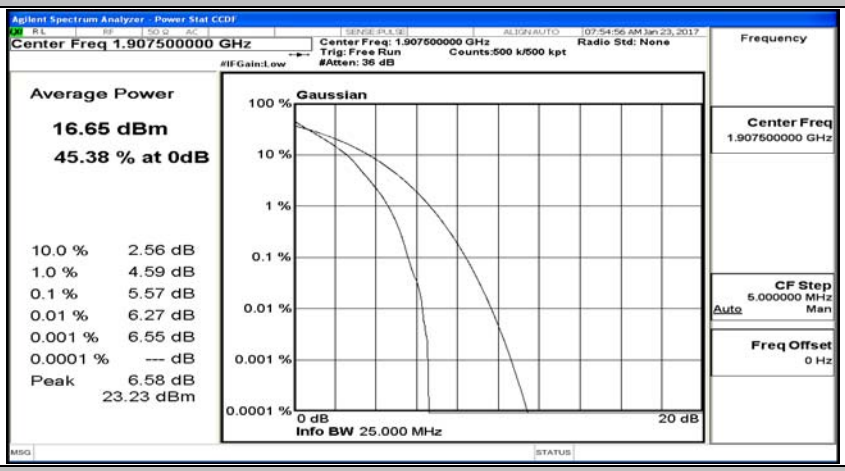


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



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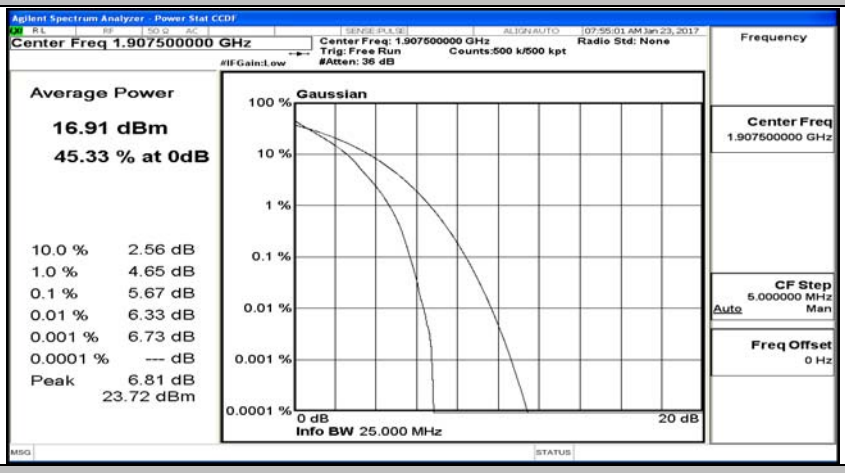

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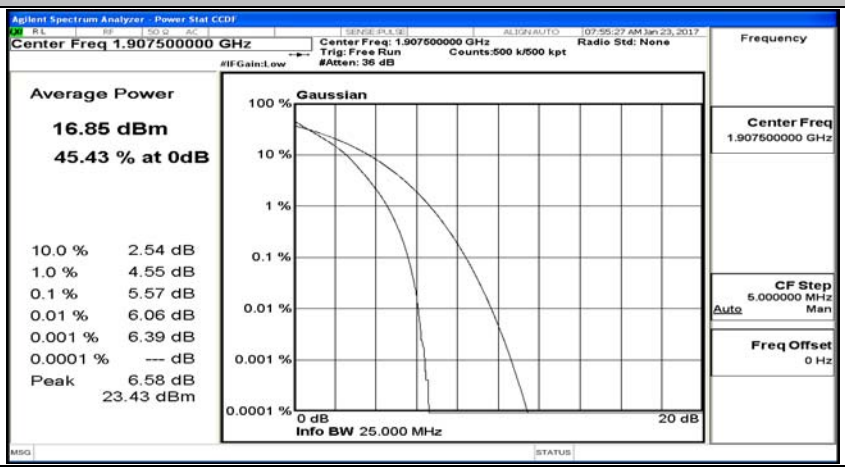

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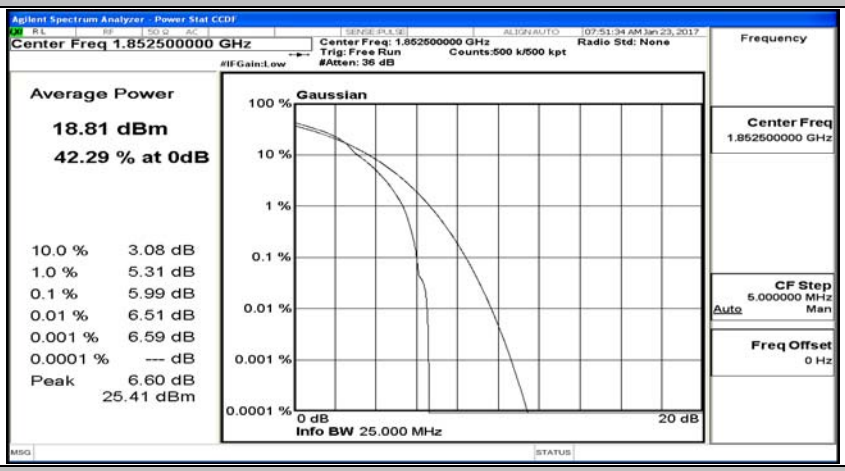

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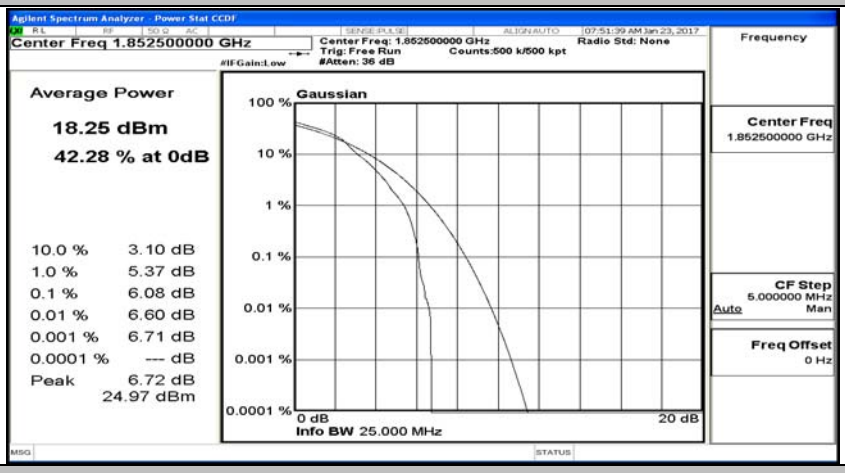

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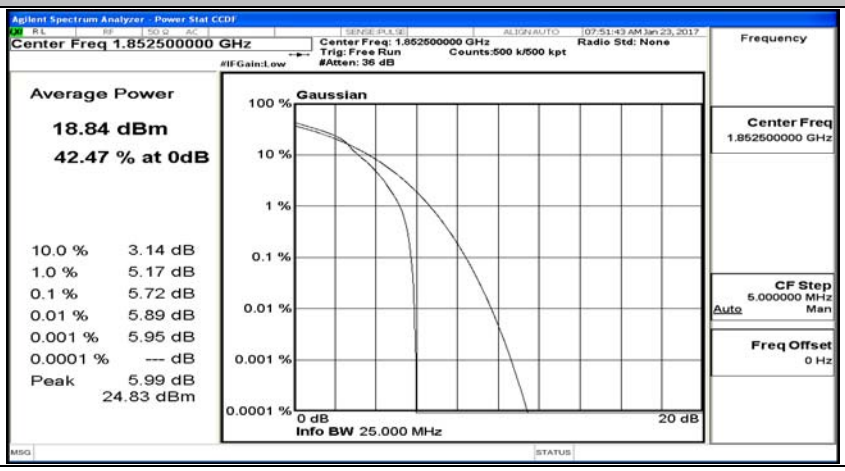

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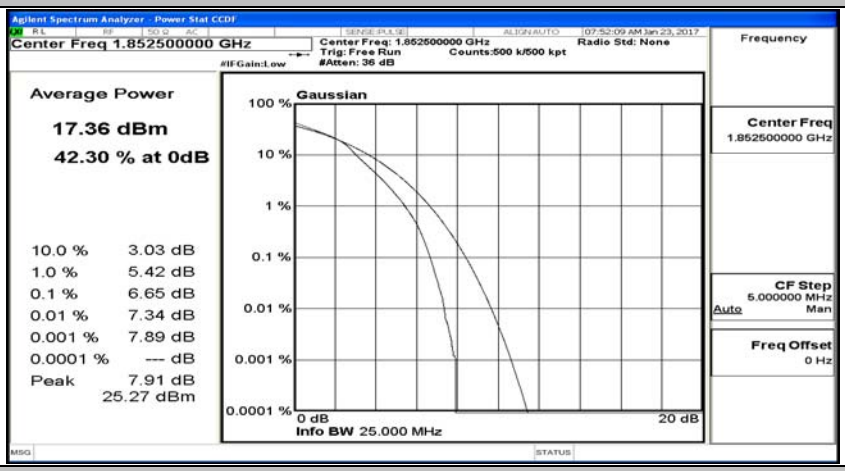
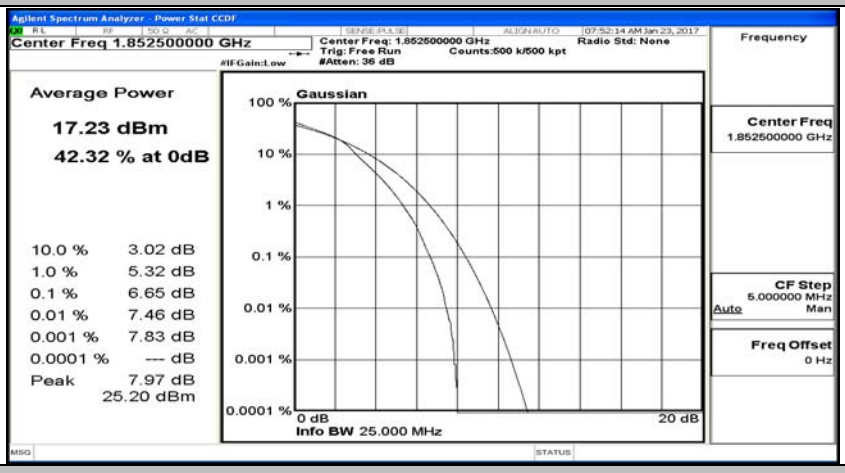
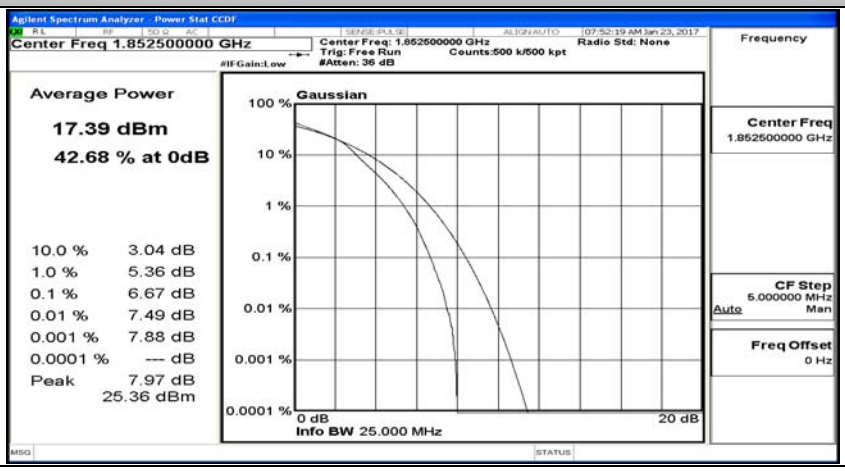


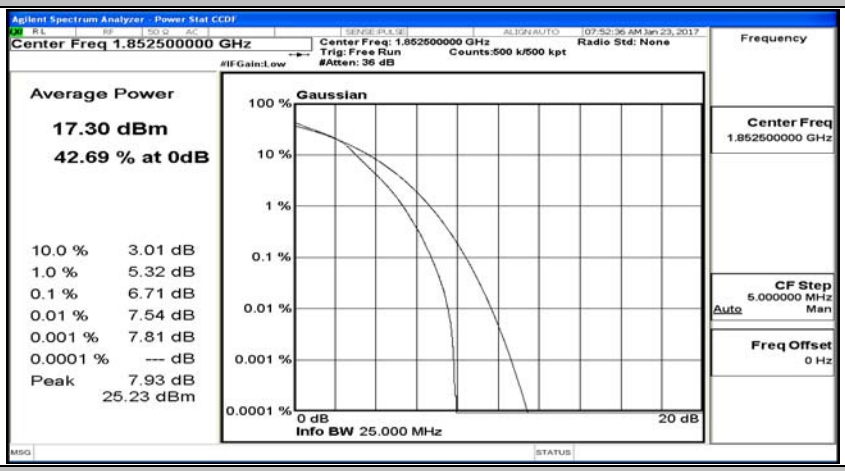
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



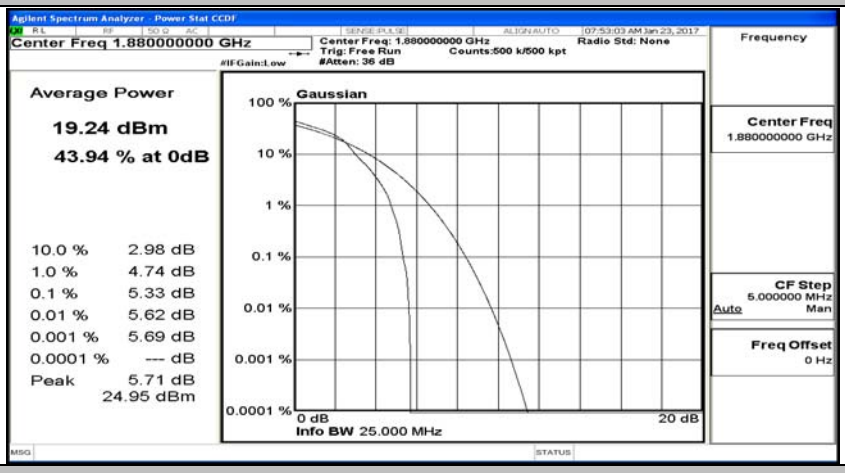
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



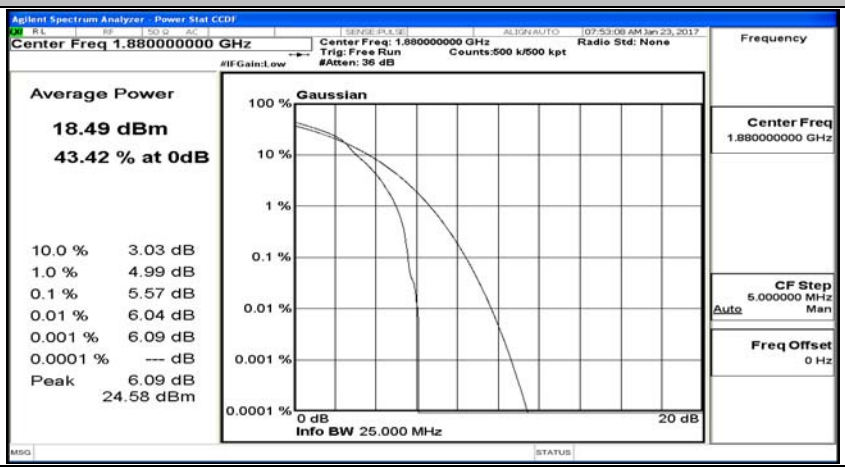
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



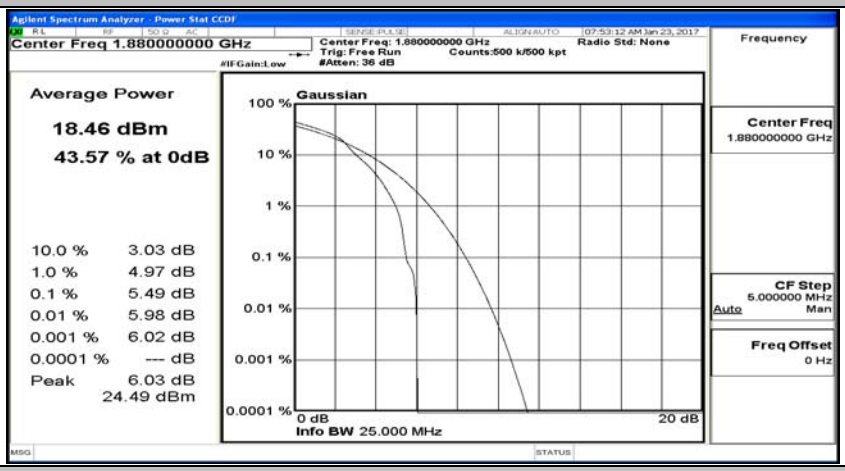
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



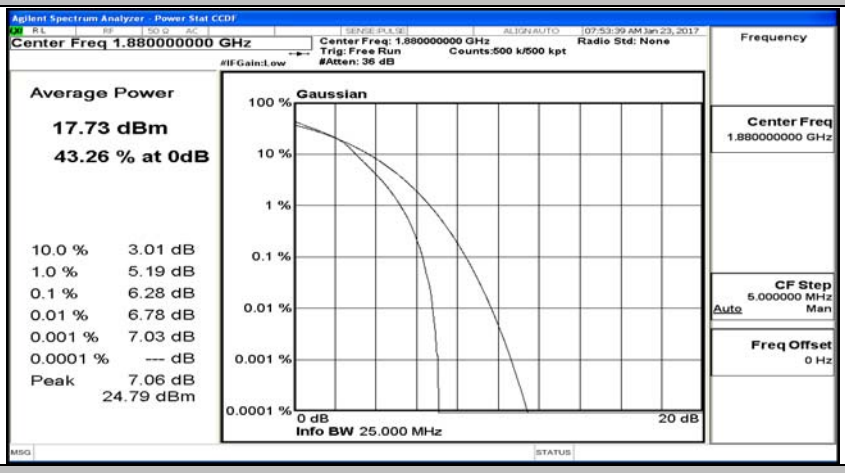
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



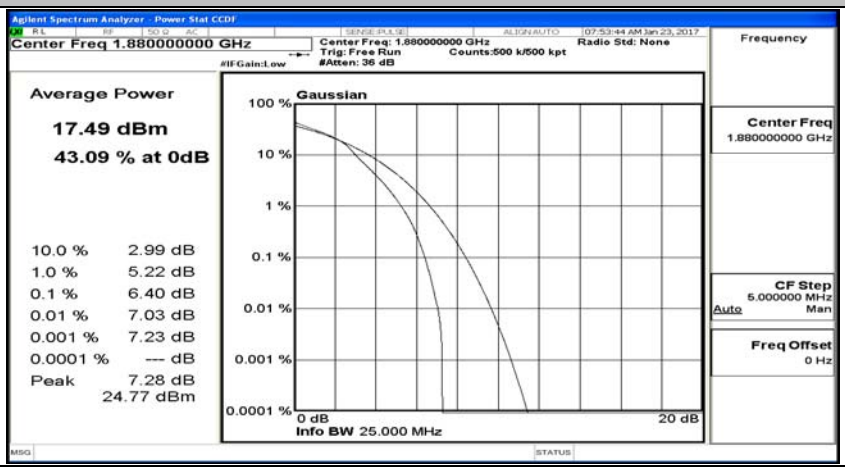
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



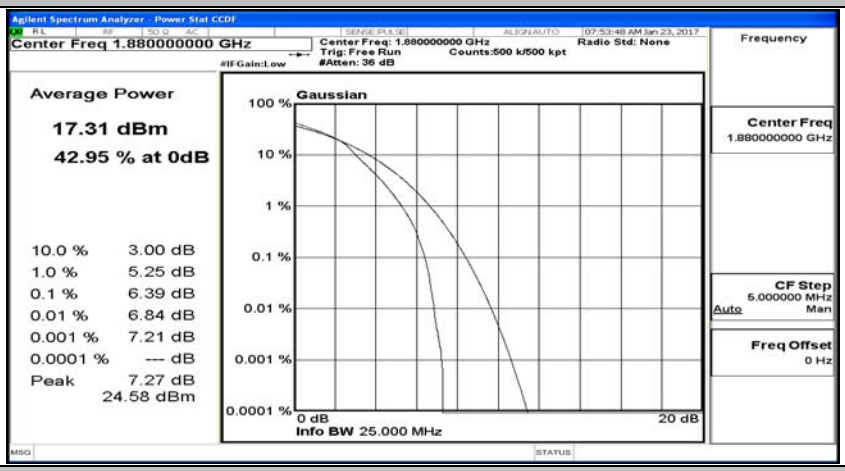
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



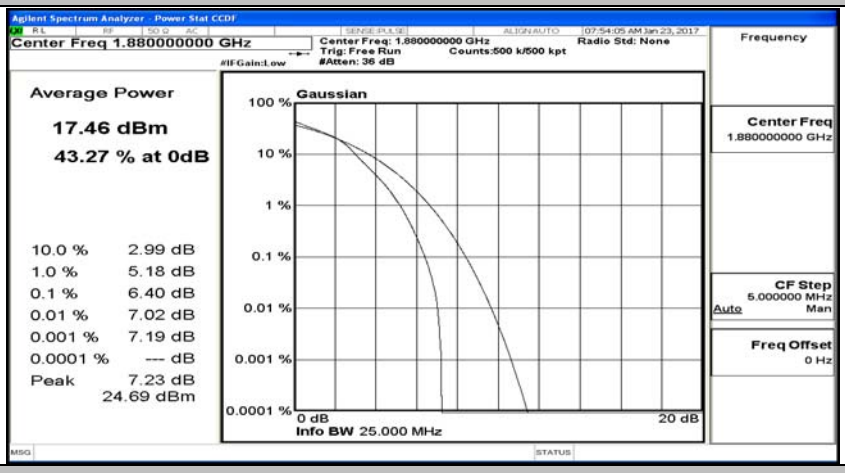
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



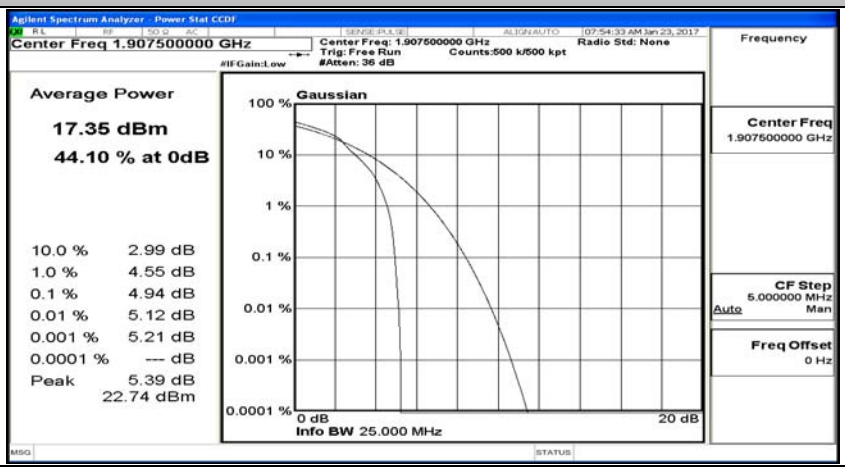
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



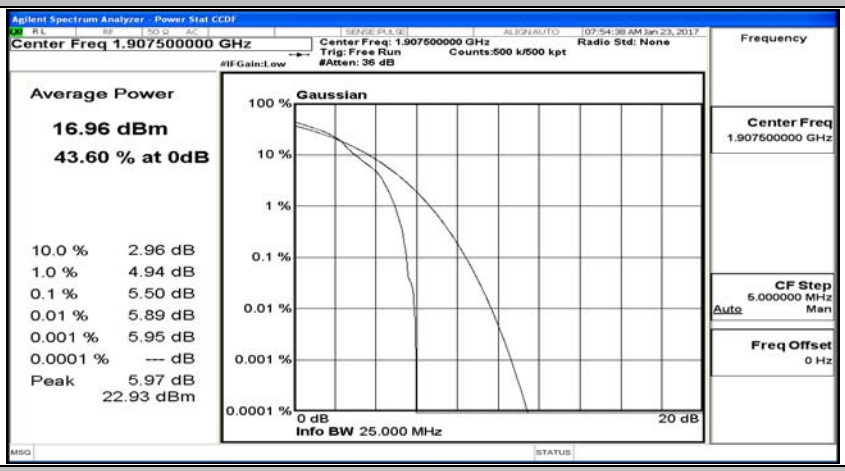
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



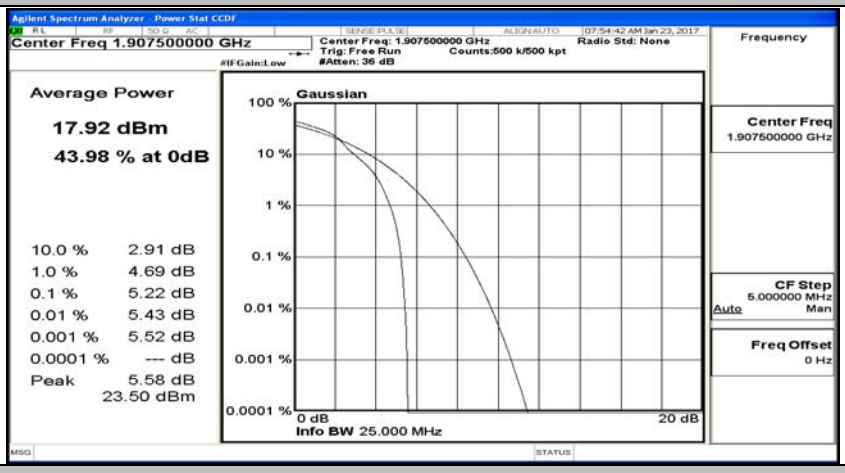
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



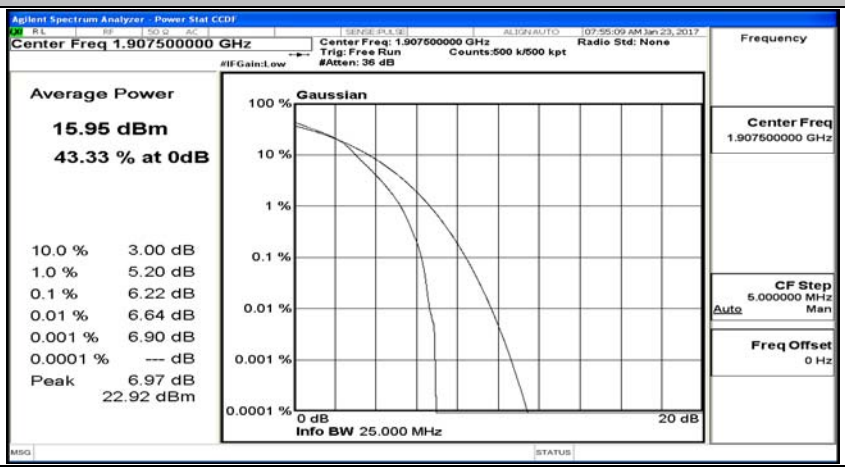
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



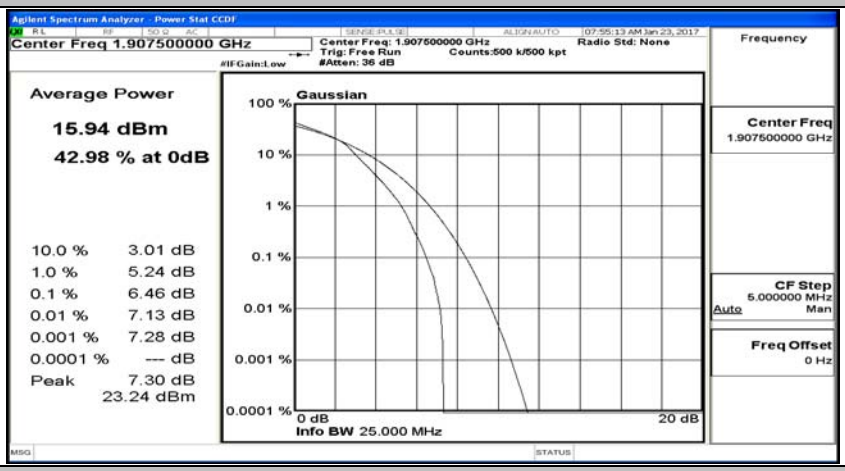
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



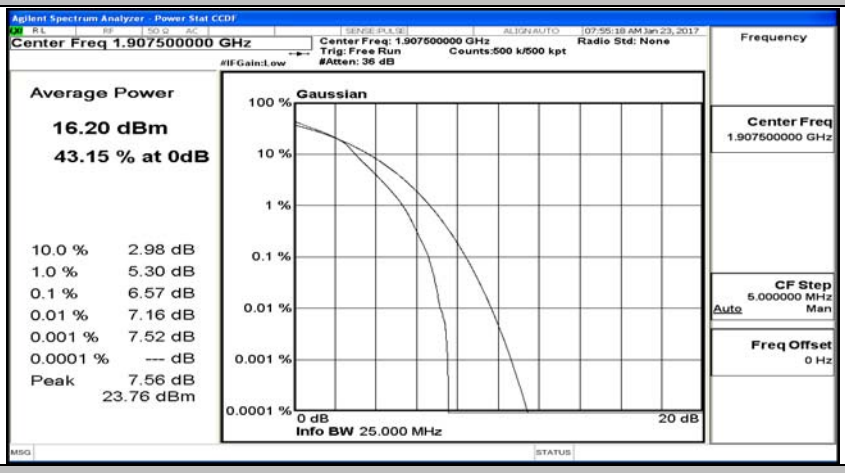
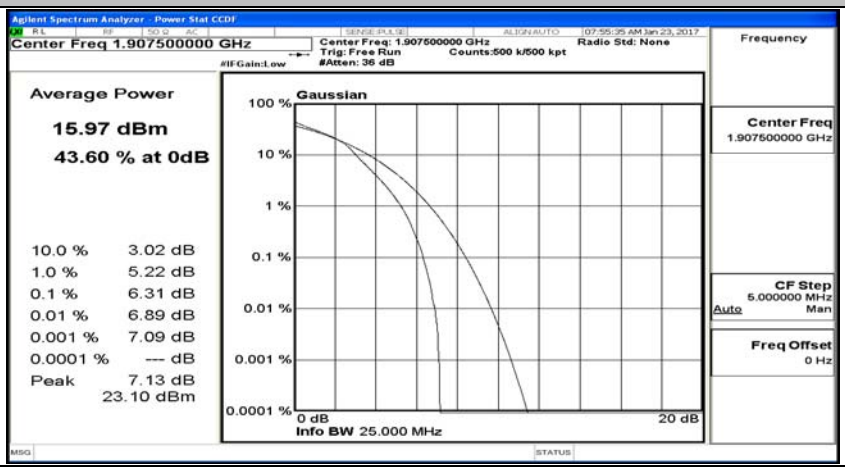
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0