

A.2: Peak-to-Average Ratio

Modulation	Channel	Channel Bandwidth 1.4 MHz				
		RB Configuration	Peak-to-Average Ratio (dB)	Limit (dB)	Verdict	
QPSK	LCH	1	0	2.77	<13	PASS
		1	3	2.9	<13	PASS
		1	5	2.79	<13	PASS
		3	0	2.9	<13	PASS
		3	2	2.86	<13	PASS
		3	3	2.89	<13	PASS
		6	0	4.01	<13	PASS
	MCH	1	0	3.85	<13	PASS
		1	3	3.97	<13	PASS
		1	5	3.83	<13	PASS
		3	0	4.12	<13	PASS
		3	2	4.11	<13	PASS
		3	3	4.12	<13	PASS
		6	0	5.1	<13	PASS
	HCH	1	0	3.58	<13	PASS
		1	3	3.59	<13	PASS
		1	5	3.35	<13	PASS
		3	0	3.74	<13	PASS
		3	2	3.64	<13	PASS
		3	3	3.61	<13	PASS
		6	0	4.81	<13	PASS
16QAM	LCH	1	0	3.58	<13	PASS
		1	3	3.7	<13	PASS
		1	5	3.61	<13	PASS
		3	0	3.7	<13	PASS
		3	2	3.71	<13	PASS
		3	3	3.69	<13	PASS
		6	0	4.71	<13	PASS
	MCH	1	0	4.79	<13	PASS
		1	3	4.9	<13	PASS
		1	5	4.79	<13	PASS
		3	0	5.02	<13	PASS
		3	2	5.02	<13	PASS
		3	3	5.05	<13	PASS
		6	0	5.92	<13	PASS
	HCH	1	0	4.53	<13	PASS
		1	3	4.52	<13	PASS
		1	5	4.3	<13	PASS

		3	0	4.56	<13	PASS
		3	2	4.5	<13	PASS
		3	3	4.44	<13	PASS
		6	0	5.61	<13	PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.79	<13	PASS
		1	7	2.89	<13	PASS
		1	14	2.85	<13	PASS
		8	0	3.77	<13	PASS
		8	4	3.59	<13	PASS
		8	7	3.74	<13	PASS
		15	0	4.28	<13	PASS
	MCH	1	0	3.99	<13	PASS
		1	7	4.04	<13	PASS
		1	14	3.89	<13	PASS
		8	0	5.04	<13	PASS
		8	4	5.04	<13	PASS
		8	7	5.02	<13	PASS
		15	0	5.29	<13	PASS
	HCH	1	0	3.8	<13	PASS
		1	7	3.72	<13	PASS
		1	14	3.32	<13	PASS
		8	0	4.93	<13	PASS
		8	4	4.83	<13	PASS
		8	7	4.71	<13	PASS
		15	0	5.17	<13	PASS
16QAM	LCH	1	0	3.5	<13	PASS
		1	7	3.64	<13	PASS
		1	14	3.59	<13	PASS
		8	0	4.42	<13	PASS
		8	4	4.31	<13	PASS
		8	7	4.45	<13	PASS
		15	0	5.02	<13	PASS
	MCH	1	0	4.87	<13	PASS
		1	7	4.93	<13	PASS
		1	14	4.79	<13	PASS
		8	0	5.72	<13	PASS
		8	4	5.72	<13	PASS
		8	7	5.7	<13	PASS
		15	0	6.14	<13	PASS

	HCH	1	0	4.74	<13	PASS
		1	7	4.64	<13	PASS
		1	14	4.29	<13	PASS
		8	0	5.71	<13	PASS
		8	4	5.58	<13	PASS
		8	7	5.51	<13	PASS
		15	0	5.99	<13	PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.85	<13	PASS
		1	12	3.12	<13	PASS
		1	24	3	<13	PASS
		12	0	3.99	<13	PASS
		12	6	3.9	<13	PASS
		12	13	4.02	<13	PASS
		25	0	4.54	<13	PASS
	MCH	1	0	3.98	<13	PASS
		1	12	4.31	<13	PASS
		1	24	3.88	<13	PASS
		12	0	5.32	<13	PASS
		12	6	5.25	<13	PASS
		12	13	5.19	<13	PASS
		25	0	5.51	<13	PASS
	HCH	1	0	4.15	<13	PASS
		1	12	4.4	<13	PASS
		1	24	3.63	<13	PASS
		12	0	5.31	<13	PASS
		12	6	5.32	<13	PASS
		12	13	5.16	<13	PASS
		25	0	5.5	<13	PASS
16QAM	LCH	1	0	3.68	<13	PASS
		1	12	3.96	<13	PASS
		1	24	3.78	<13	PASS
		12	0	4.76	<13	PASS
		12	6	4.68	<13	PASS
		12	13	4.75	<13	PASS
		25	0	5.19	<13	PASS
	MCH	1	0	4.95	<13	PASS
		1	12	5.21	<13	PASS
		1	24	4.82	<13	PASS
		12	0	6.15	<13	PASS

		12	6	6.11	<13	PASS
		12	13	6.03	<13	PASS
		25	0	6.23	<13	PASS
HCH	HCH	1	0	4.85	<13	PASS
		1	12	5.07	<13	PASS
		1	24	4.4	<13	PASS
		12	0	6.27	<13	PASS
		12	6	6.24	<13	PASS
		12	13	6.09	<13	PASS
		25	0	6.35	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.23	<13	PASS
		1	24	3.23	<13	PASS
		1	49	3.62	<13	PASS
		25	0	4.3	<13	PASS
		25	12	4.18	<13	PASS
		25	25	4.47	<13	PASS
		50	0	4.82	<13	PASS
	MCH	1	0	4.47	<13	PASS
		1	24	4.37	<13	PASS
		1	49	4.3	<13	PASS
		25	0	5.45	<13	PASS
		25	12	5.43	<13	PASS
		25	25	5.35	<13	PASS
		50	0	5.51	<13	PASS
16QAM	LCH	1	0	3.71	<13	PASS
		1	24	4.24	<13	PASS
		1	49	4.02	<13	PASS
		25	0	5.2	<13	PASS
		25	12	5.42	<13	PASS
		25	25	5.39	<13	PASS
		50	0	5.53	<13	PASS
	MCH	1	0	4.03	<13	PASS
		1	24	4.01	<13	PASS
		1	49	4.39	<13	PASS
		25	0	5.06	<13	PASS
		25	12	4.89	<13	PASS
		25	25	5.23	<13	PASS
		50	0	5.48	<13	PASS

		1	24	5.22	<13	PASS
		1	49	5.14	<13	PASS
		25	0	6.32	<13	PASS
		25	12	6.23	<13	PASS
		25	25	6.11	<13	PASS
		50	0	6.21	<13	PASS
	HCH	1	0	4.63	<13	PASS
		1	24	5.12	<13	PASS
		1	49	4.99	<13	PASS
		25	0	5.99	<13	PASS
		25	12	6.18	<13	PASS
		25	25	6.22	<13	PASS
		50	0	6.27	<13	PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.78	<13	PASS
		1	37	3.38	<13	PASS
		1	74	10.01	<13	PASS
		37	0	4.34	<13	PASS
		37	18	4.62	<13	PASS
		37	38	4.6	<13	PASS
		75	0	4.87	<13	PASS
	MCH	1	0	7.96	<13	PASS
		1	37	4.46	<13	PASS
		1	74	9.69	<13	PASS
		37	0	4.74	<13	PASS
		37	18	5.51	<13	PASS
		37	38	4.86	<13	PASS
		75	0	4.96	<13	PASS
	HCH	1	0	8.4	<13	PASS
		1	37	4.22	<13	PASS
		1	74	9.38	<13	PASS
		37	0	4.46	<13	PASS
		37	18	5.26	<13	PASS
		37	38	4.88	<13	PASS
		75	0	5.04	<13	PASS
16QAM	LCH	1	0	8.44	<13	PASS
		1	37	4.21	<13	PASS
		1	74	10.25	<13	PASS
		37	0	5.45	<13	PASS
		37	18	5.34	<13	PASS

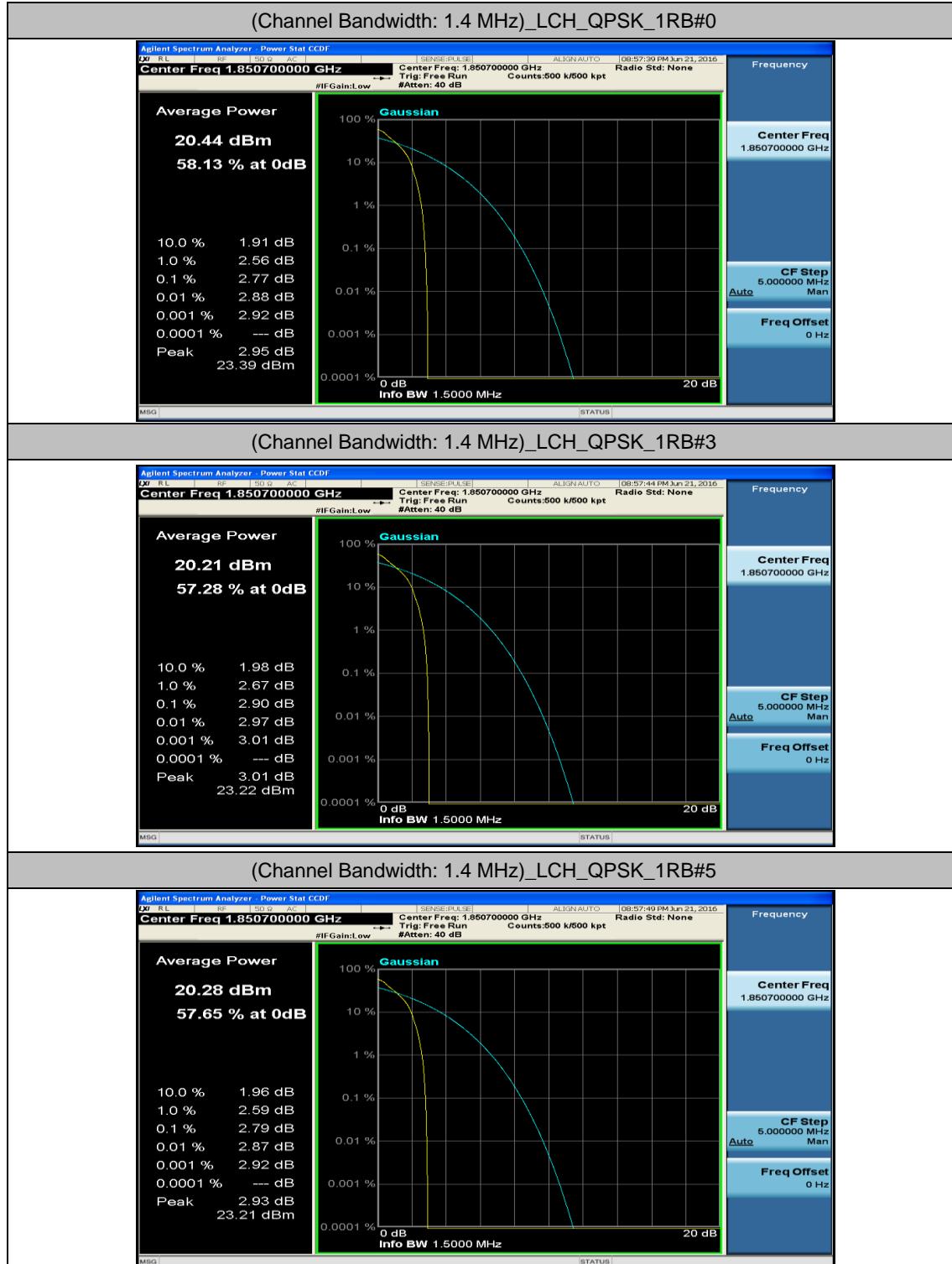
		37	38	5.71	<13	PASS
		75	0	5.98	<13	PASS
MCH		1	0	8.38	<13	PASS
		1	37	5.4	<13	PASS
		1	74	10.33	<13	PASS
		37	0	6	<13	PASS
		37	18	6.21	<13	PASS
		37	38	6.07	<13	PASS
		75	0	6.34	<13	PASS
		1	0	8.01	<13	PASS
HCH		1	37	5.1	<13	PASS
		1	74	10.12	<13	PASS
		37	0	5.69	<13	PASS
		37	18	6.02	<13	PASS
		37	38	6.16	<13	PASS
		75	0	6.23	<13	PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.46	<13	PASS
		1	49	3.49	<13	PASS
		1	99	8.8	<13	PASS
		50	0	5.34	<13	PASS
		50	25	5.05	<13	PASS
		50	50	5.69	<13	PASS
		100	0	5.69	<13	PASS
	MCH	1	0	8.74	<13	PASS
		1	49	4.38	<13	PASS
		1	99	8.39	<13	PASS
		50	0	5.51	<13	PASS
		50	25	5.52	<13	PASS
		50	50	5.9	<13	PASS
		100	0	5.66	<13	PASS
	HCH	1	0	8.46	<13	PASS
		1	49	3.78	<13	PASS
		1	99	8.7	<13	PASS
		50	0	5.27	<13	PASS
		50	25	5.25	<13	PASS
		50	50	5.81	<13	PASS
		100	0	5.71	<13	PASS
16QAM	LCH	1	0	8.55	<13	PASS
		1	49	4.29	<13	PASS

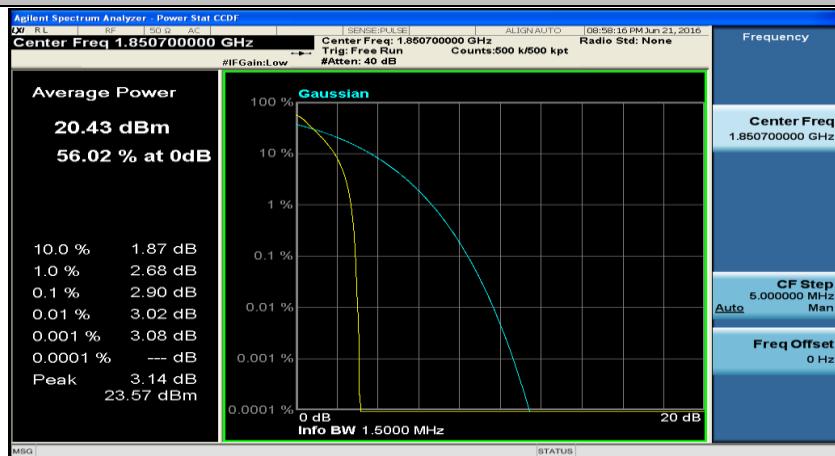
		1	99	8.68	<13	PASS
		50	0	6.29	<13	PASS
		50	25	5.76	<13	PASS
		50	50	6.53	<13	PASS
		100	0	6.62	<13	PASS
	MCH	1	0	8.75	<13	PASS
		1	49	5.23	<13	PASS
		1	99	8.59	<13	PASS
		50	0	6.59	<13	PASS
		50	25	6.25	<13	PASS
		50	50	6.71	<13	PASS
		100	0	6.83	<13	PASS
	HCH	1	0	8.6	<13	PASS
		1	49	4.5	<13	PASS
		1	99	8.66	<13	PASS
		50	0	6.31	<13	PASS
		50	25	5.91	<13	PASS
		50	50	6.61	<13	PASS
		100	0	6.59	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz



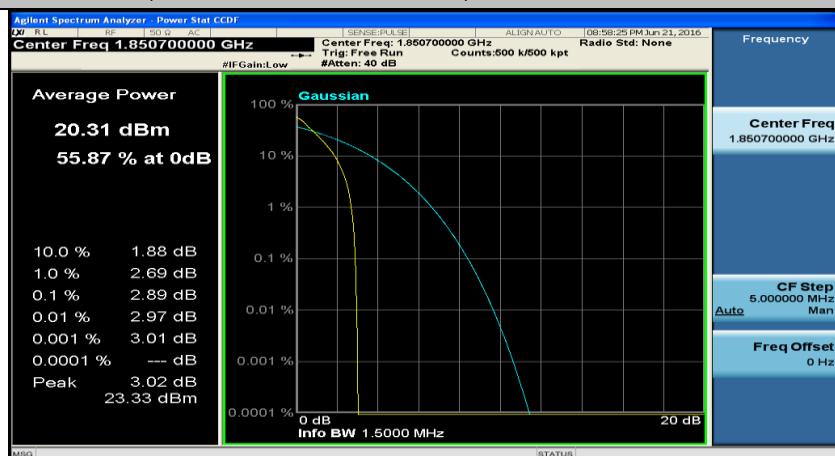
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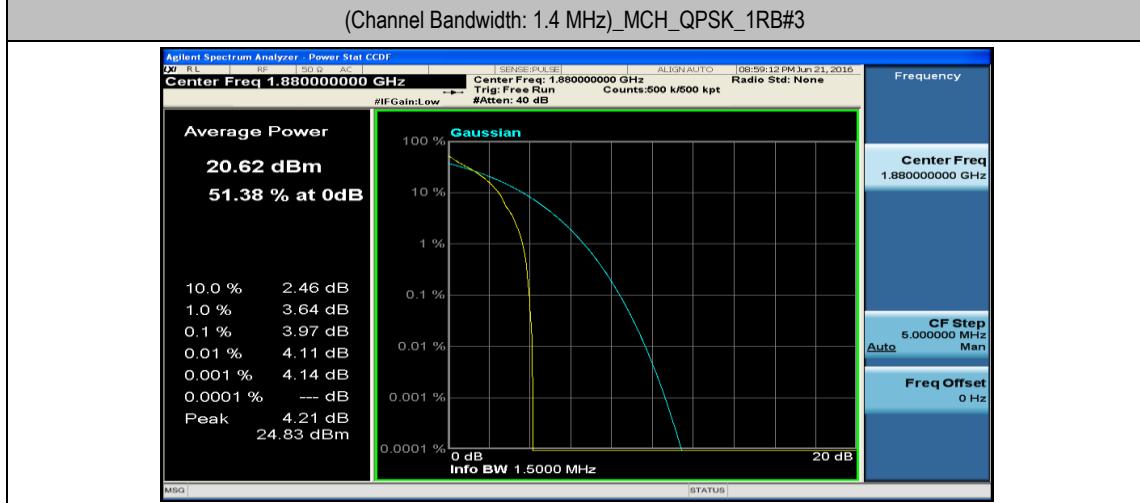
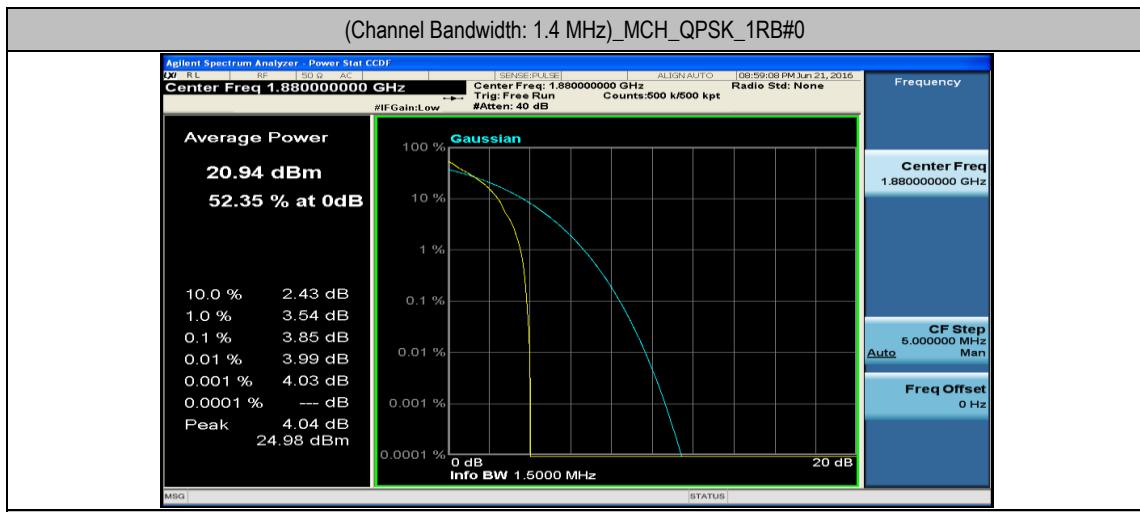
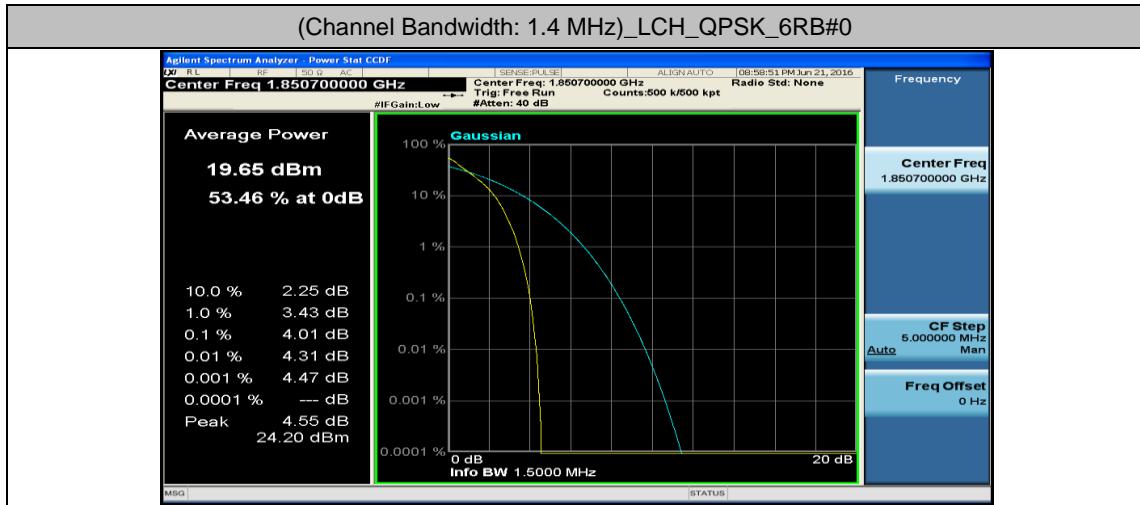


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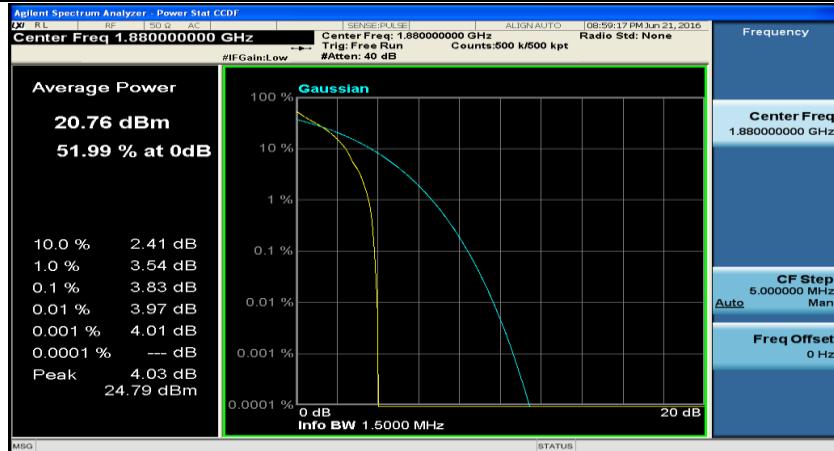


(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3





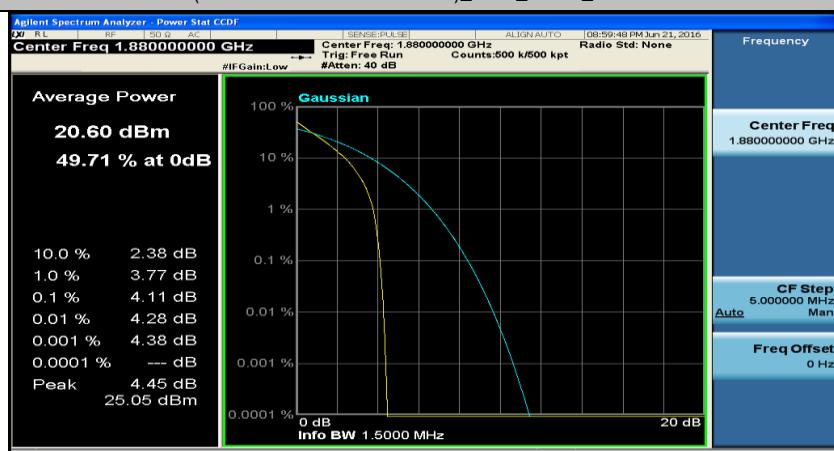
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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



(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



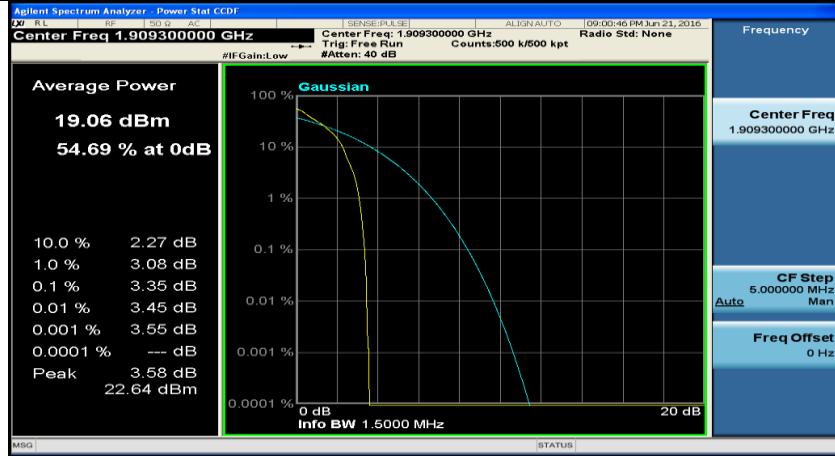
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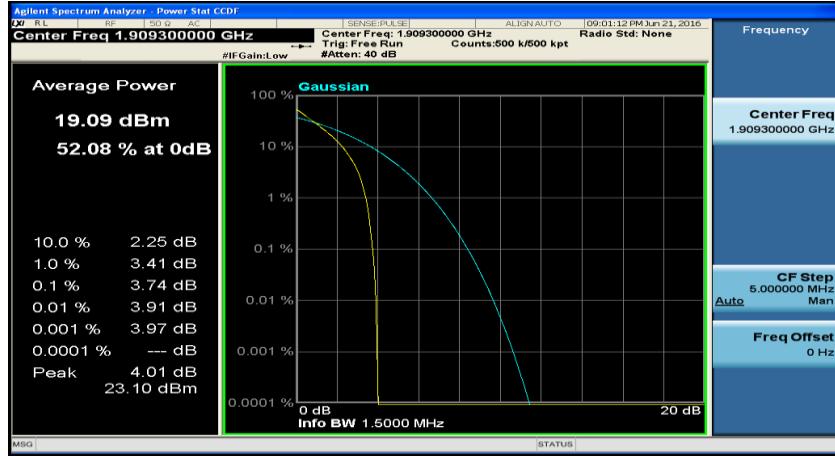
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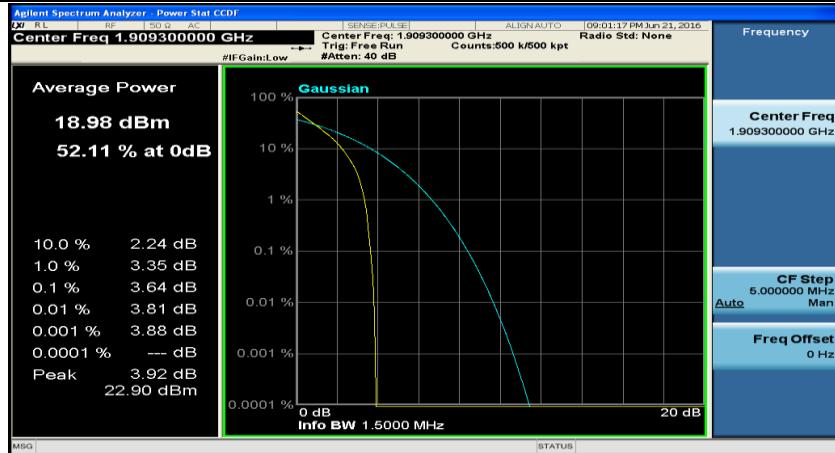
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



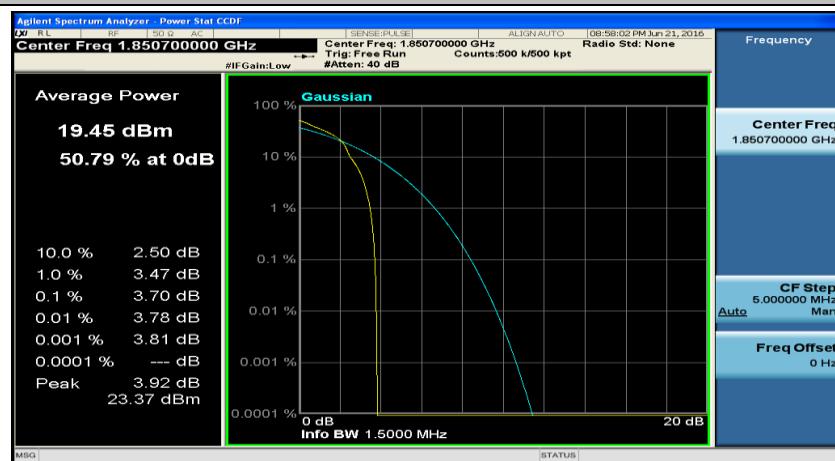
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(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



(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



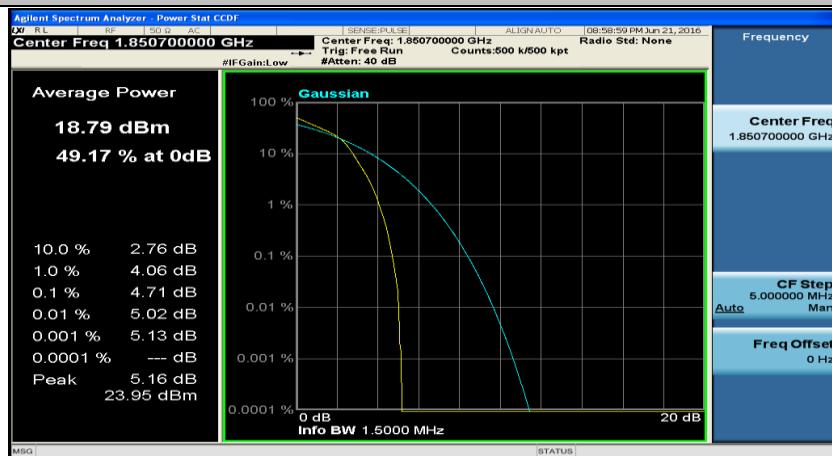
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(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



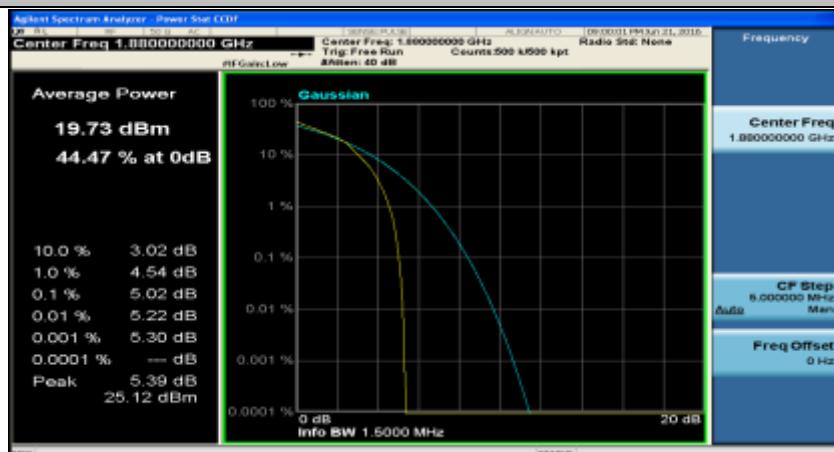
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



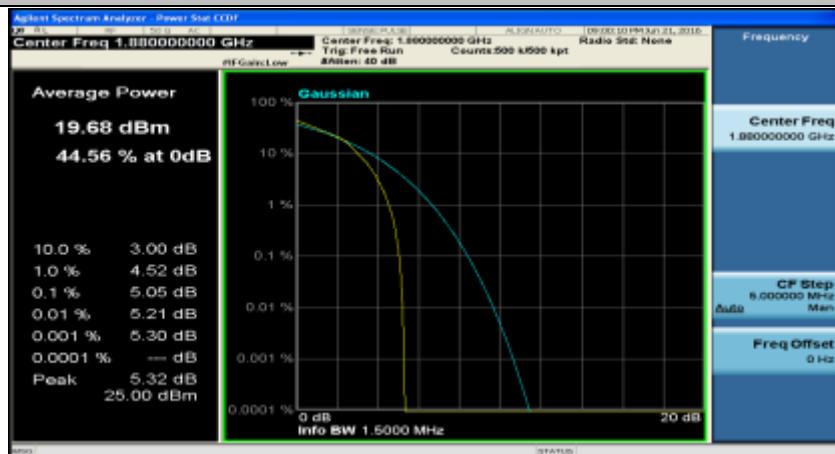
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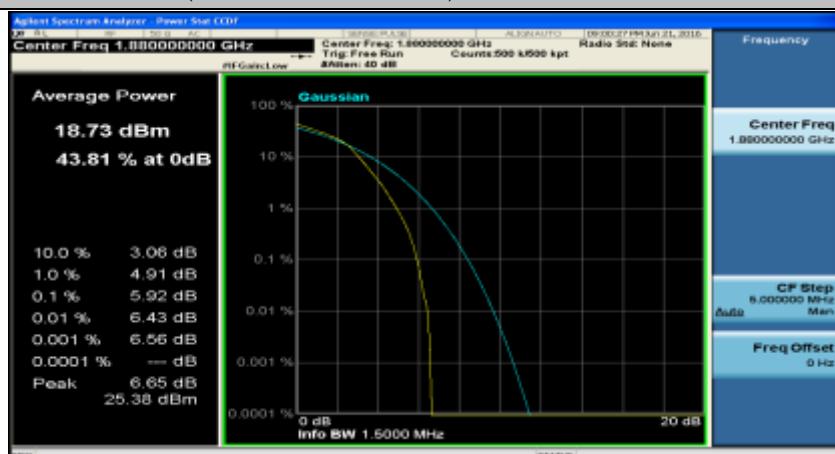
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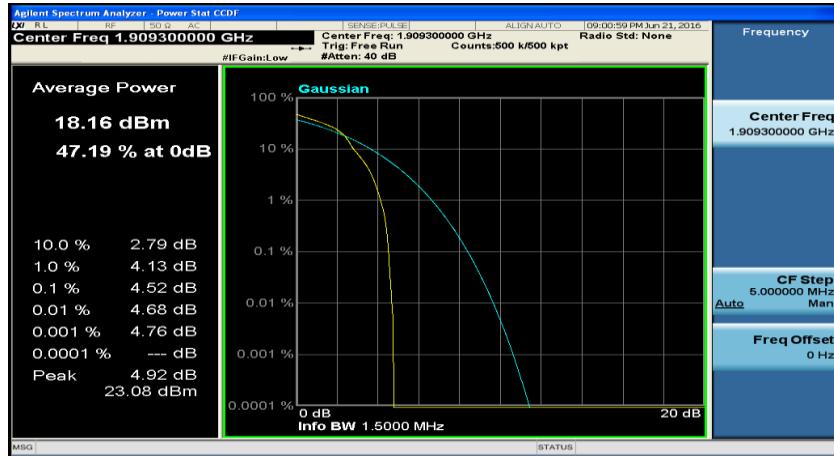
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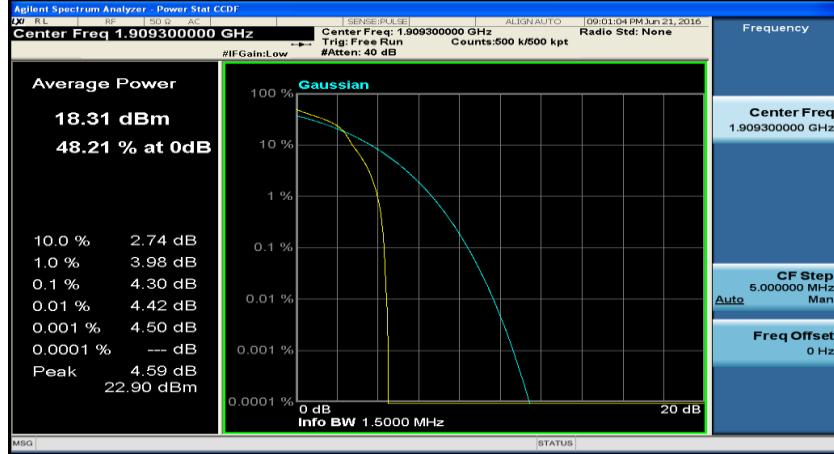
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



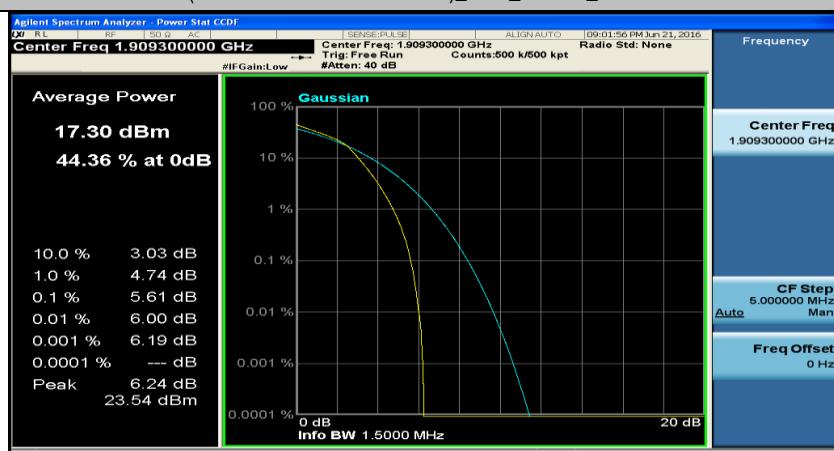
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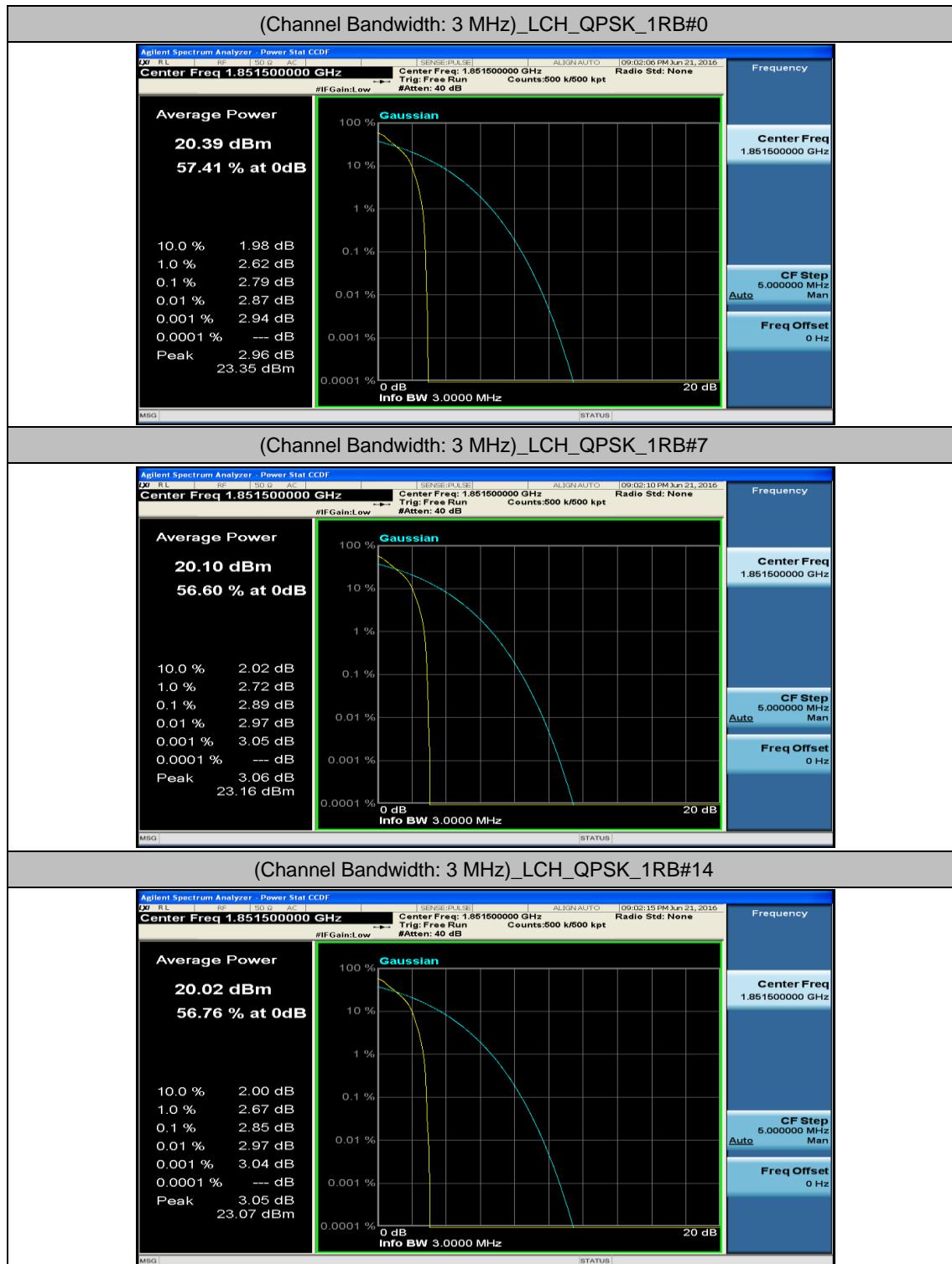
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



Channel Bandwidth: 3 MHz



(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



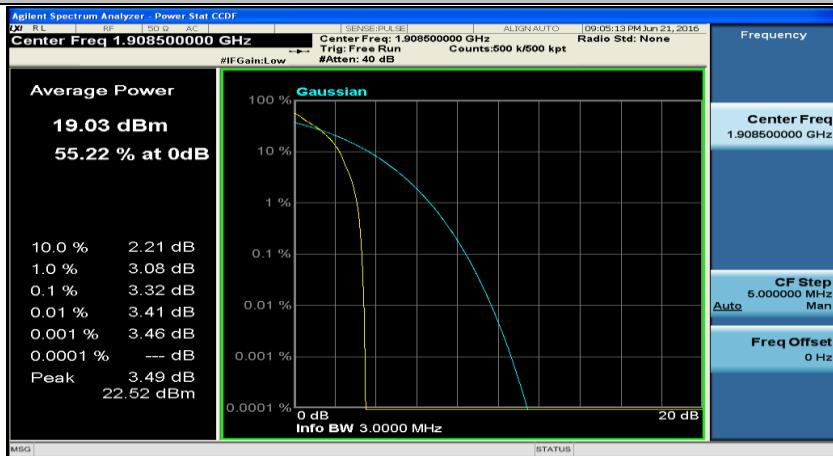
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



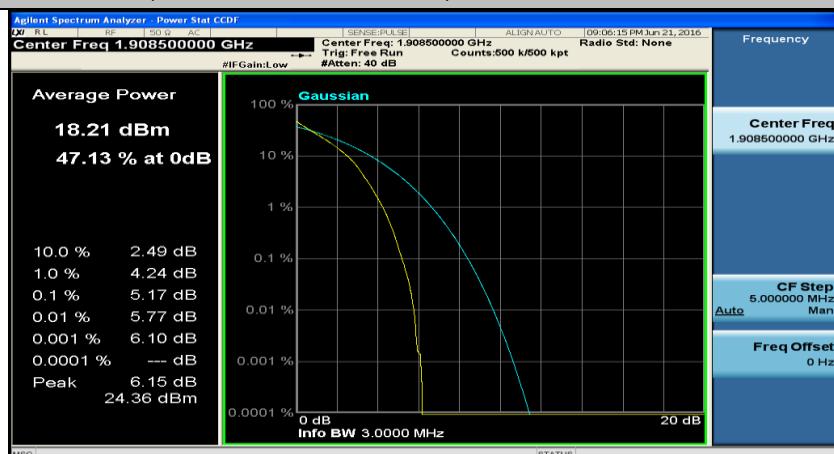
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



(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



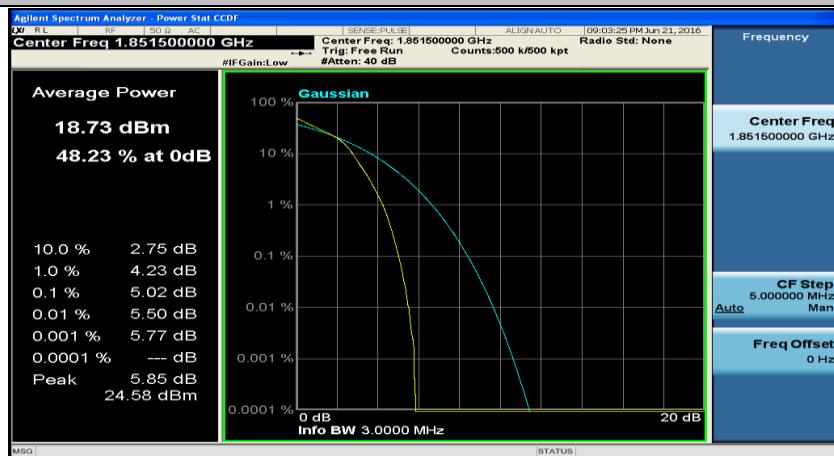
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(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



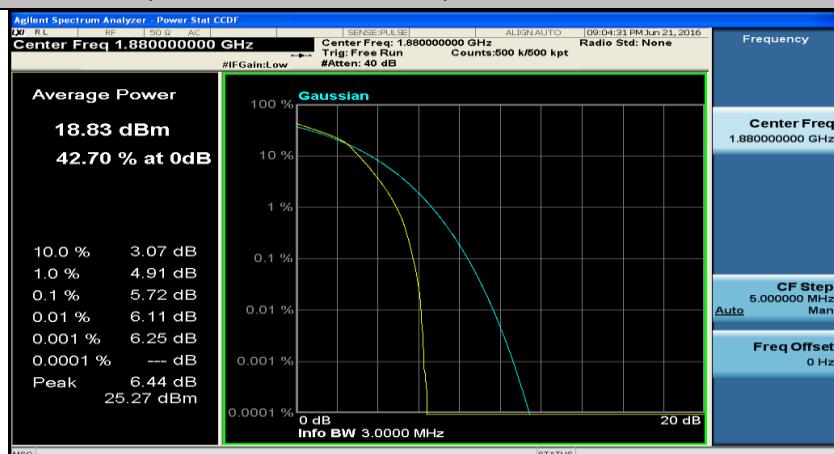
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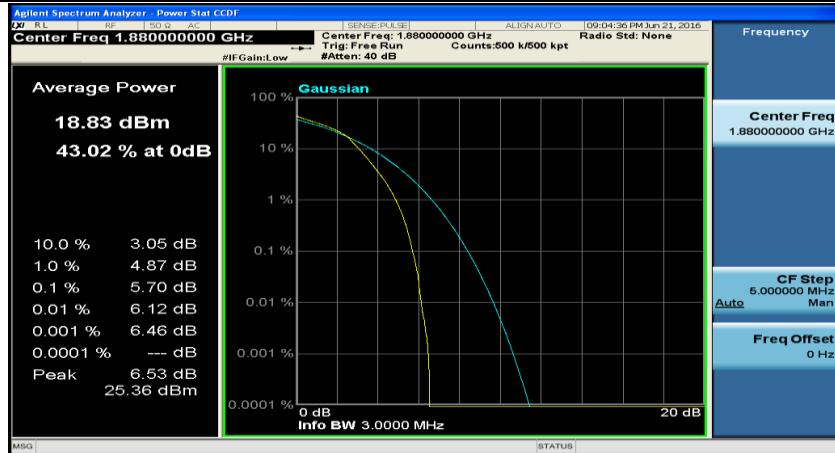
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



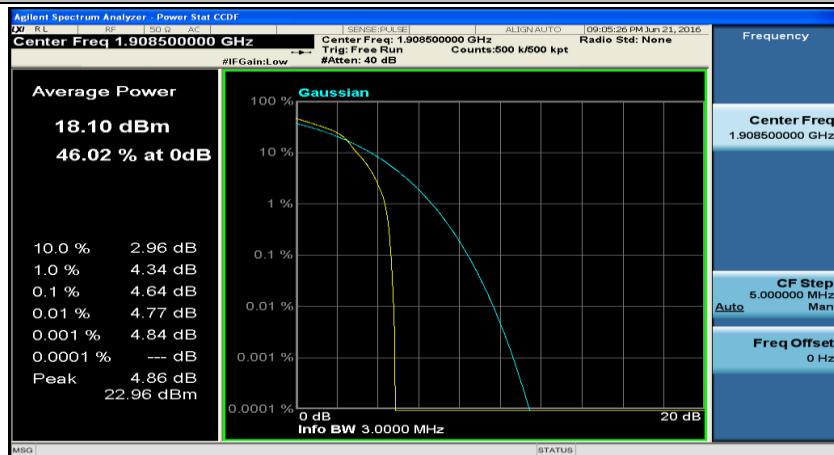
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(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(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



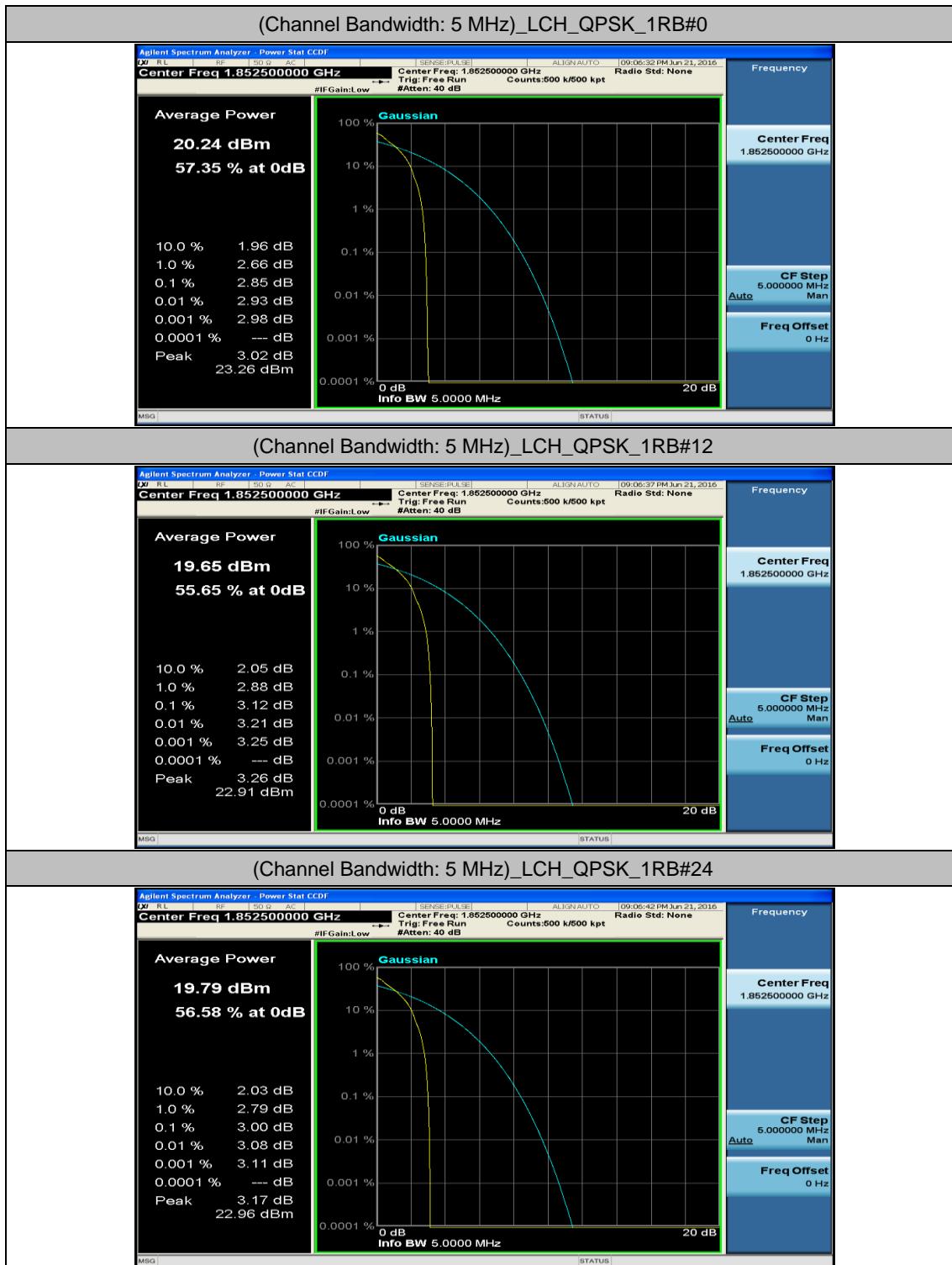
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



Channel Bandwidth: 5 MHz



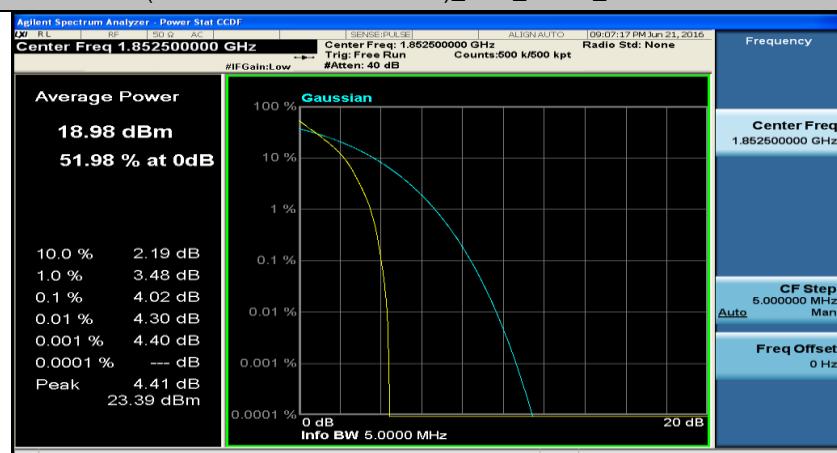
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



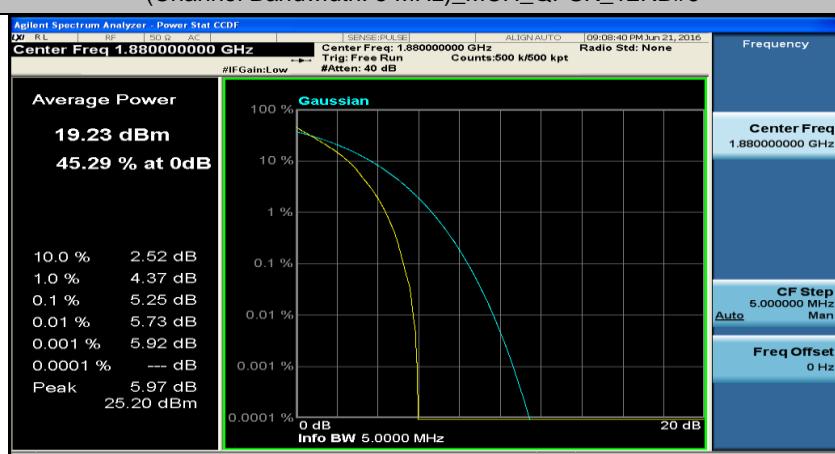
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



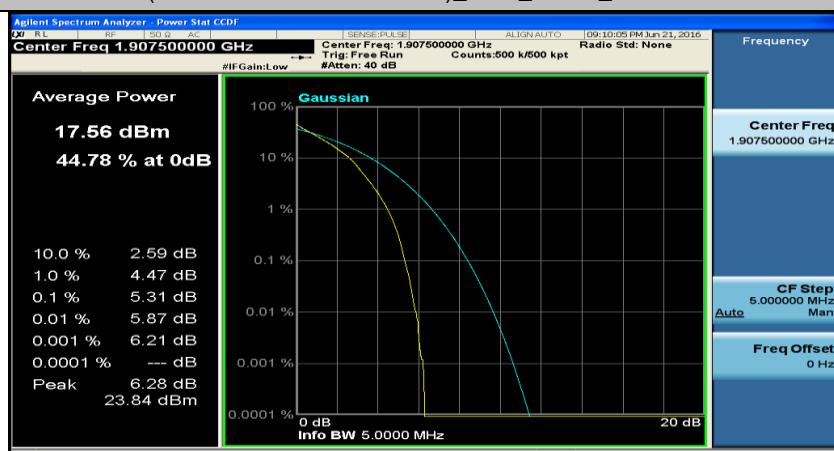
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



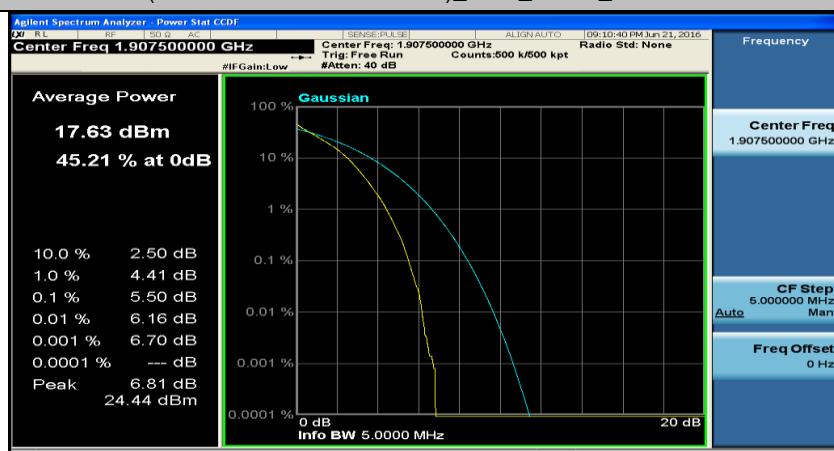
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



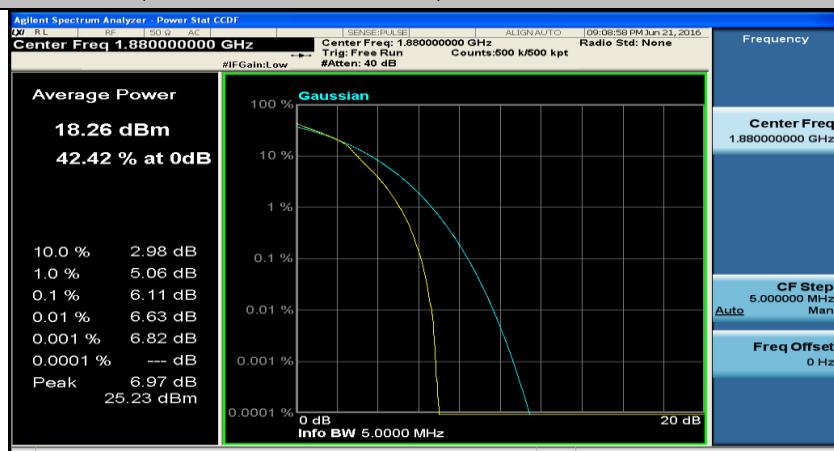
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(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

