

Appendix for Band 5

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.22	PASS
		1	3	22.07	PASS
		1	5	22.44	PASS
		3	0	22.51	PASS
		3	2	23.75	PASS
		3	3	23.67	PASS
		6	0	23.73	PASS
	MCH	1	0	23.74	PASS
		1	3	23.73	PASS
		1	5	22.47	PASS
		3	0	22.88	PASS
		3	2	23.34	PASS
		3	3	23.19	PASS
		6	0	23.68	PASS
	HCH	1	0	22.14	PASS
		1	3	22.64	PASS
		1	5	23.01	PASS
		3	0	22.48	PASS
		3	2	22.07	PASS
		3	3	23.78	PASS
		6	0	22.79	PASS
16QAM	LCH	1	0	23.5	PASS
		1	3	23.84	PASS
		1	5	23.18	PASS
		3	0	22.82	PASS
		3	2	22.33	PASS
		3	3	22.67	PASS
		6	0	22.66	PASS
	MCH	1	0	22.27	PASS
		1	3	23.48	PASS
		1	5	21.91	PASS
		3	0	22.89	PASS
		3	2	22.07	PASS

		3	3	23.35	PASS
		6	0	23.71	PASS
	HCH	1	0	22.72	PASS
		1	3	22.03	PASS
		1	5	23.29	PASS
		3	0	23.73	PASS
		3	2	22.17	PASS
		3	3	22.45	PASS
		6	0	23.04	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.47	PASS
		1	7	23.12	PASS
		1	14	23.13	PASS
		8	0	23.55	PASS
		8	4	22.66	PASS
		8	7	22.45	PASS
		15	0	23.55	PASS
	MCH	1	0	23.15	PASS
		1	7	22.73	PASS
		1	14	23.83	PASS
		8	0	22.21	PASS
		8	4	23.79	PASS
		8	7	23.04	PASS
		15	0	22.41	PASS
	HCH	1	0	23.71	PASS
		1	7	22.32	PASS
		1	14	23.62	PASS
		8	0	22.97	PASS
		8	4	21.99	PASS
		8	7	22.77	PASS
		15	0	22.18	PASS
16QAM	LCH	1	0	23.73	PASS
		1	7	23.37	PASS
		1	14	22.48	PASS
		8	0	23.03	PASS
		8	4	23.21	PASS
		8	7	22.89	PASS
		15	0	22.57	PASS
	MCH	1	0	23.13	PASS

		1	7	22.25	PASS
		1	14	23.25	PASS
		8	0	23.75	PASS
		8	4	23.35	PASS
		8	7	22.99	PASS
		15	0	23.37	PASS
	HCH	1	0	22.03	PASS
		1	7	22.62	PASS
		1	14	23.06	PASS
		8	0	23.02	PASS
		8	4	23.31	PASS
		8	7	22.68	PASS
		15	0	22.37	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.01	PASS
		1	12	23.53	PASS
		1	24	22.54	PASS
		12	0	22.15	PASS
		12	6	23.48	PASS
		12	13	22.81	PASS
		25	0	23.23	PASS
	MCH	1	0	23.47	PASS
		1	12	22.31	PASS
		1	24	23.04	PASS
		12	0	22.41	PASS
		12	6	22.44	PASS
		12	13	23.08	PASS
		25	0	21.98	PASS
	HCH	1	0	22.09	PASS
		1	12	22.19	PASS
		1	24	22.74	PASS
		12	0	22.41	PASS
		12	6	22.85	PASS
		12	13	22.26	PASS
		25	0	21.97	PASS
16QAM	LCH	1	0	23.27	PASS
		1	12	22.17	PASS
		1	24	22.78	PASS
		12	0	22.72	PASS

		12	6	23.37	PASS	
		12	13	21.95	PASS	
		25	0	23.07	PASS	
	MCH		1	0	23.48	PASS
			1	12	21.98	PASS
			1	24	22.37	PASS
			12	0	23.15	PASS
			12	6	22.68	PASS
			12	13	22.71	PASS
			25	0	23.76	PASS
	HCH		1	0	23.56	PASS
			1	12	22.64	PASS
			1	24	22.65	PASS
			12	0	22.64	PASS
			12	6	23.67	PASS
			12	13	22.45	PASS
			25	0	22.14	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict	
		Size	Offset			
QPSK	LCH	1	0	23.89	PASS	
		1	24	23.87	PASS	
		1	49	22.69	PASS	
		25	0	23.37	PASS	
		25	12	22.07	PASS	
		25	25	22.11	PASS	
		50	0	23.79	PASS	
	MCH		1	0	21.97	PASS
			1	24	23.63	PASS
			1	49	22.62	PASS
			25	0	22.13	PASS
			25	12	22.22	PASS
			25	25	22.43	PASS
			50	0	22.85	PASS
	HCH		1	0	23.61	PASS
			1	24	23.66	PASS
			1	49	22.69	PASS
			25	0	23.65	PASS
			25	12	23.61	PASS
			25	25	21.96	PASS
			50	0	22.52	PASS

16QAM	LCH	1	0	22.26	PASS
		1	24	23.84	PASS
		1	49	22.73	PASS
		25	0	22.86	PASS
		25	12	23.78	PASS
		25	25	22.34	PASS
		50	0	22.52	PASS
	MCH	1	0	23.54	PASS
		1	24	22.02	PASS
		1	49	23.11	PASS
		25	0	23.28	PASS
		25	12	23.53	PASS
		25	25	22.74	PASS
		50	0	23.57	PASS
	HCH	1	0	22.92	PASS
		1	24	23.21	PASS
		1	49	21.94	PASS
		25	0	23.76	PASS
		25	12	22.34	PASS
		25	25	23.07	PASS
		50	0	22.07	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.45	<13	PASS
		1	3	4.27	<13	PASS
		1	5	4.27	<13	PASS
		3	0	4.43	<13	PASS
		3	2	4.31	<13	PASS
		3	3	4.37	<13	PASS
		6	0	5.05	<13	PASS
	MCH	1	0	5.65	<13	PASS
		1	3	5.78	<13	PASS
		1	5	5.79	<13	PASS
		3	0	5.92	<13	PASS
		3	2	5.8	<13	PASS
		3	3	5.71	<13	PASS
		6	0	6.18	<13	PASS
	HCH	1	0	4.34	<13	PASS
		1	3	4.7	<13	PASS
		1	5	4.93	<13	PASS
		3	0	4.53	<13	PASS
		3	2	4.8	<13	PASS
		3	3	4.82	<13	PASS
		6	0	5.28	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	3	5.12	<13	PASS
		1	5	5.15	<13	PASS
		3	0	5.42	<13	PASS
		3	2	5.41	<13	PASS
		3	3	5.23	<13	PASS
		6	0	6.04	<13	PASS
	MCH	1	0	6.88	<13	PASS
		1	3	6.8	<13	PASS
		1	5	6.69	<13	PASS
		3	0	6.83	<13	PASS
		3	2	6.97	<13	PASS

		3	3	6.89	<13	PASS
		6	0	7.05	<13	PASS
	HCH	1	0	5.23	<13	PASS
		1	3	5.34	<13	PASS
		1	5	5.72	<13	PASS
		3	0	5.52	<13	PASS
		3	2	5.66	<13	PASS
		3	3	5.76	<13	PASS
		6	0	6.24	<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	4.35	<13	PASS
		1	7	4.08	<13	PASS
		1	14	4.14	<13	PASS
		8	0	4.98	<13	PASS
		8	4	4.89	<13	PASS
		8	7	4.81	<13	PASS
		15	0	4.88	<13	PASS
	MCH	1	0	5.75	<13	PASS
		1	7	5.81	<13	PASS
		1	14	5.57	<13	PASS
		8	0	6.03	<13	PASS
		8	4	6.12	<13	PASS
		8	7	6.18	<13	PASS
		15	0	6.04	<13	PASS
	HCH	1	0	3.92	<13	PASS
		1	7	4.26	<13	PASS
		1	14	4.89	<13	PASS
		8	0	4.82	<13	PASS
		8	4	5.13	<13	PASS
		8	7	5.25	<13	PASS
		15	0	5.04	<13	PASS
16QAM	LCH	1	0	5.07	<13	PASS
		1	7	4.91	<13	PASS
		1	14	5.15	<13	PASS
		8	0	5.74	<13	PASS
		8	4	5.66	<13	PASS
		8	7	5.62	<13	PASS

	MCH	15	0	5.88	<13	PASS
		1	0	6.95	<13	PASS
		1	7	6.84	<13	PASS
		1	14	6.4	<13	PASS
		8	0	6.73	<13	PASS
		8	4	6.73	<13	PASS
		8	7	6.71	<13	PASS
		15	0	6.98	<13	PASS
	HCH	1	0	4.83	<13	PASS
		1	7	5.19	<13	PASS
		1	14	5.72	<13	PASS
		8	0	5.59	<13	PASS
		8	4	5.83	<13	PASS
		8	7	5.98	<13	PASS
		15	0	5.92	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.18	<13	PASS
		1	12	3.83	<13	PASS
		1	24	4.17	<13	PASS
		12	0	4.88	<13	PASS
		12	6	4.75	<13	PASS
		12	13	4.81	<13	PASS
		25	0	4.91	<13	PASS
	MCH	1	0	5.28	<13	PASS
		1	12	5.54	<13	PASS
		1	24	5.2	<13	PASS
		12	0	6.03	<13	PASS
		12	6	5.98	<13	PASS
		12	13	6	<13	PASS
		25	0	6.04	<13	PASS
	HCH	1	0	3.68	<13	PASS
		1	12	3.88	<13	PASS
		1	24	4.47	<13	PASS
		12	0	4.55	<13	PASS
		12	6	4.66	<13	PASS
		12	13	5.02	<13	PASS
		25	0	4.87	<13	PASS

16QAM	LCH	1	0	5.08	<13	PASS
		1	12	4.7	<13	PASS
		1	24	5.02	<13	PASS
		12	0	5.69	<13	PASS
		12	6	5.65	<13	PASS
		12	13	5.65	<13	PASS
		25	0	5.72	<13	PASS
	MCH	1	0	6.29	<13	PASS
		1	12	6.12	<13	PASS
		1	24	6.07	<13	PASS
		12	0	6.77	<13	PASS
		12	6	6.81	<13	PASS
		12	13	6.69	<13	PASS
		25	0	6.78	<13	PASS
	HCH	1	0	4.62	<13	PASS
		1	12	4.71	<13	PASS
		1	24	5.44	<13	PASS
		12	0	5.47	<13	PASS
		12	6	5.52	<13	PASS
		12	13	5.87	<13	PASS
		25	0	5.7	<13	PASS

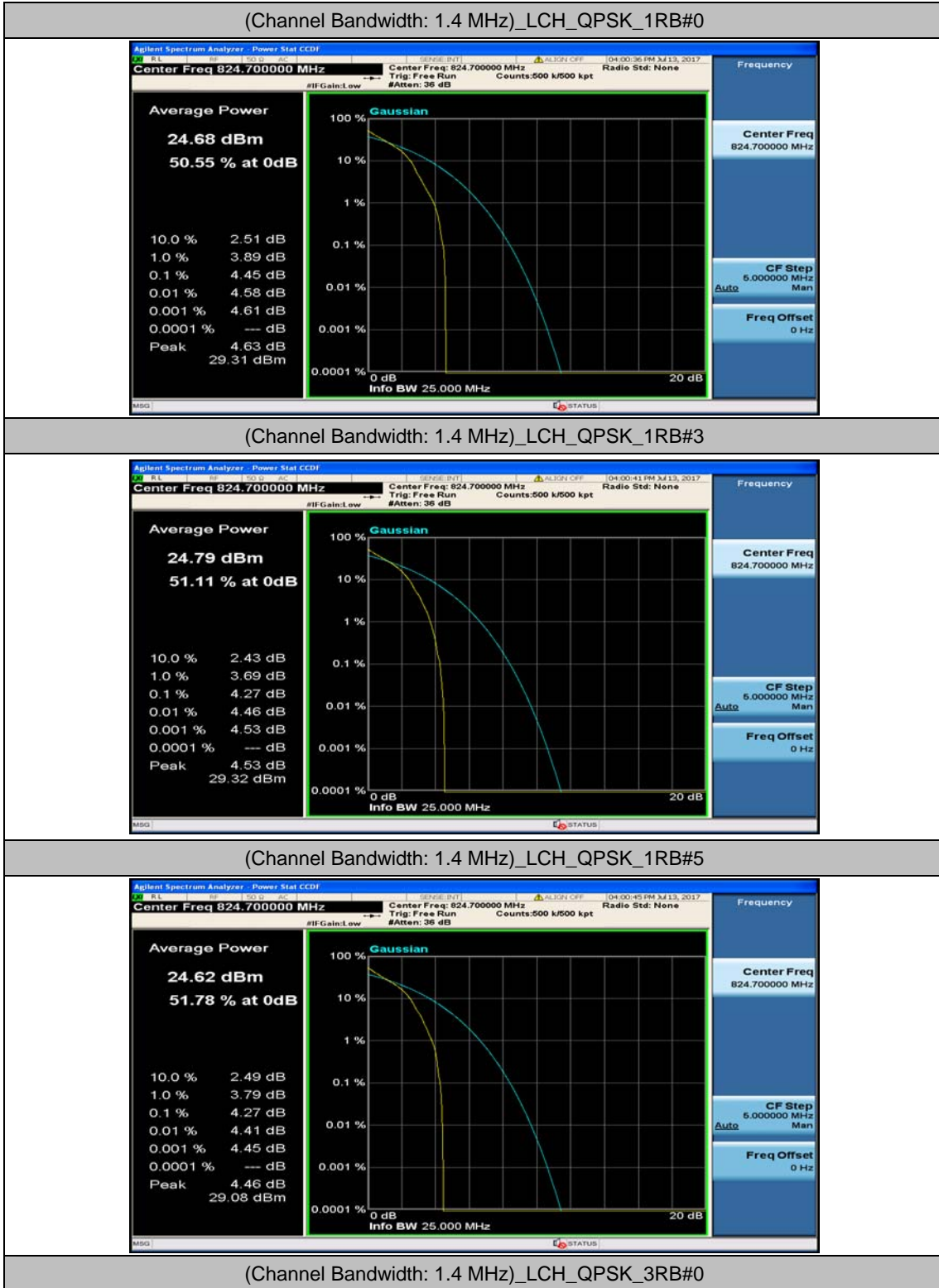
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.17	<13	PASS
		1	24	4.34	<13	PASS
		1	49	5.5	<13	PASS
		25	0	4.81	<13	PASS
		25	12	5.05	<13	PASS
		25	25	5.51	<13	PASS
		50	0	5.29	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	24	5.6	<13	PASS
		1	49	4.57	<13	PASS
		25	0	5.94	<13	PASS
		25	12	5.96	<13	PASS
		25	25	5.76	<13	PASS
		50	0	5.79	<13	PASS
	HCH	1	0	5.1	<13	PASS

		1	24	3.86	<13	PASS
		1	49	4.61	<13	PASS
		25	0	5.13	<13	PASS
		25	12	4.72	<13	PASS
		25	25	4.8	<13	PASS
		50	0	5.11	<13	PASS
16QAM	LCH	1	0	5.02	<13	PASS
		1	24	5.28	<13	PASS
		1	49	6.45	<13	PASS
		25	0	5.64	<13	PASS
		25	12	5.97	<13	PASS
		25	25	6.37	<13	PASS
		50	0	6.01	<13	PASS
	MCH	1	0	6.23	<13	PASS
		1	24	6.7	<13	PASS
		1	49	5.57	<13	PASS
		25	0	6.78	<13	PASS
		25	12	6.84	<13	PASS
		25	25	6.52	<13	PASS
		50	0	6.55	<13	PASS
	HCH	1	0	6	<13	PASS
		1	24	4.84	<13	PASS
		1	49	5.6	<13	PASS
		25	0	5.95	<13	PASS
		25	12	5.62	<13	PASS
		25	25	5.63	<13	PASS
		50	0	5.83	<13	PASS

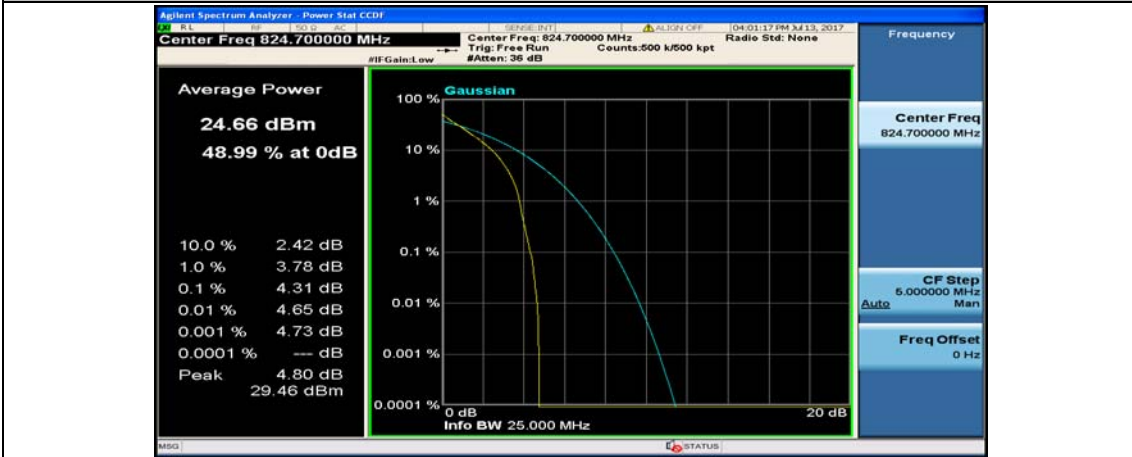
Test Graphs

Channel Bandwidth: 1.4 MHz





(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



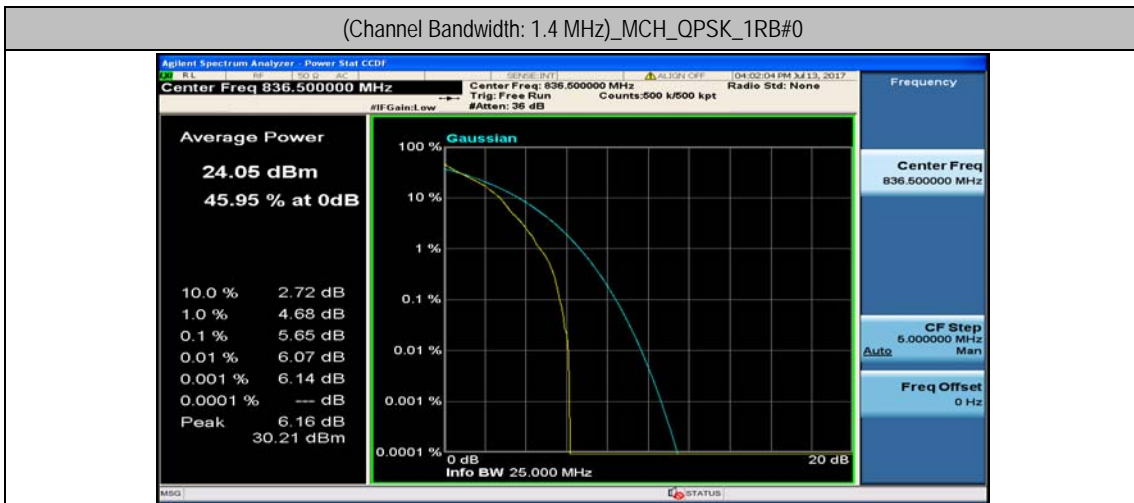
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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



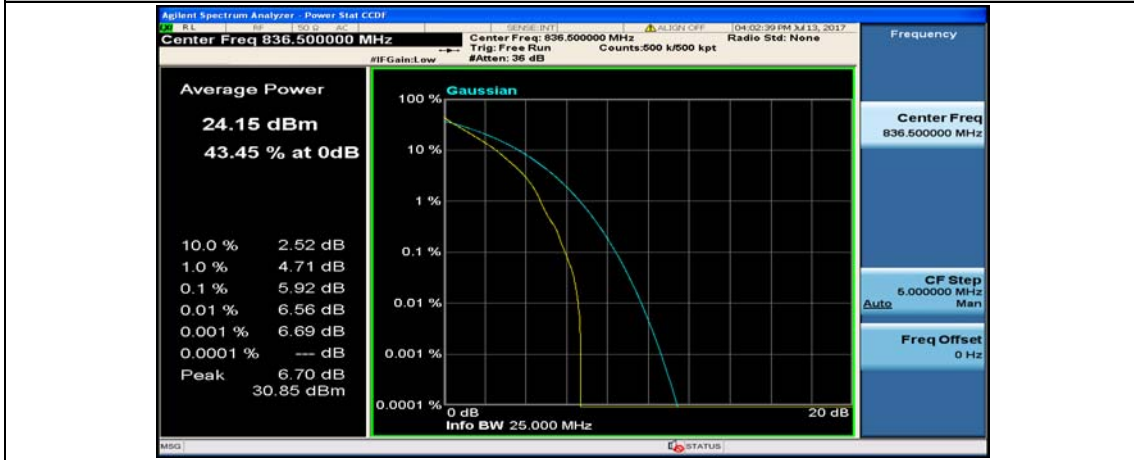
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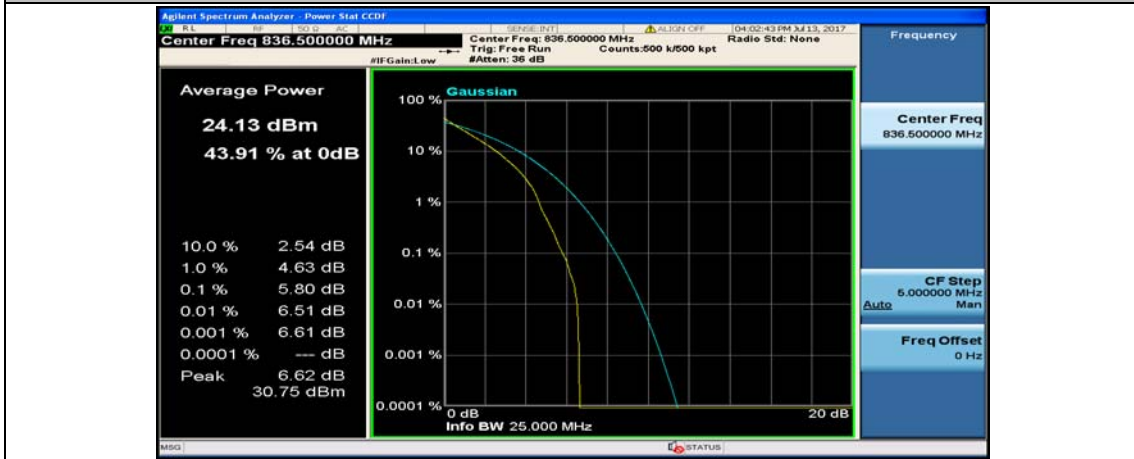
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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



(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)_LCH_16QAM_1RB#3



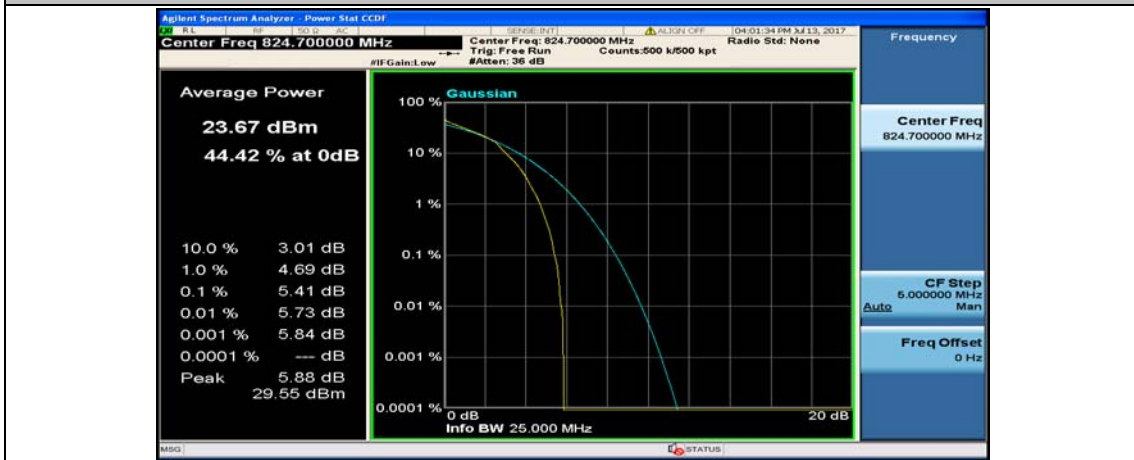
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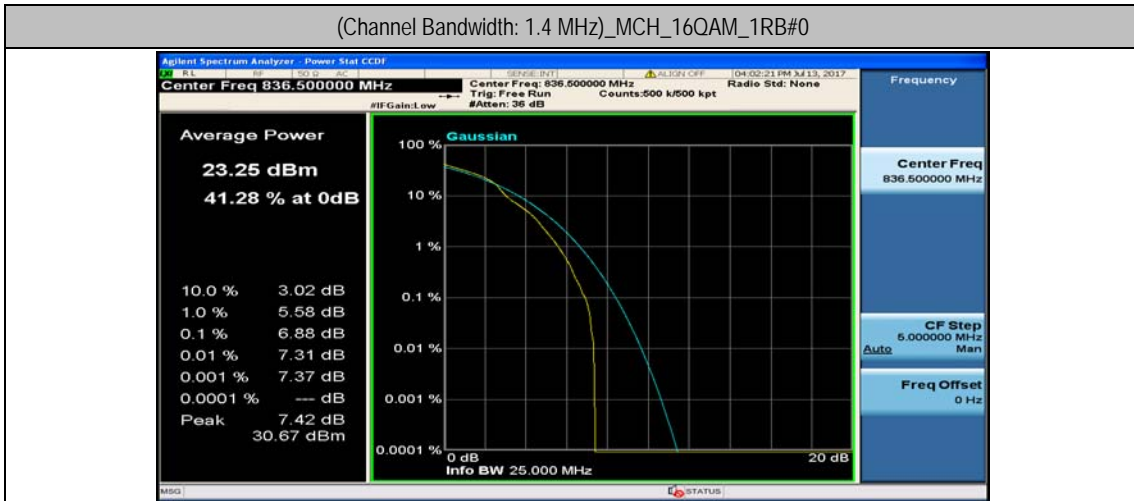
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



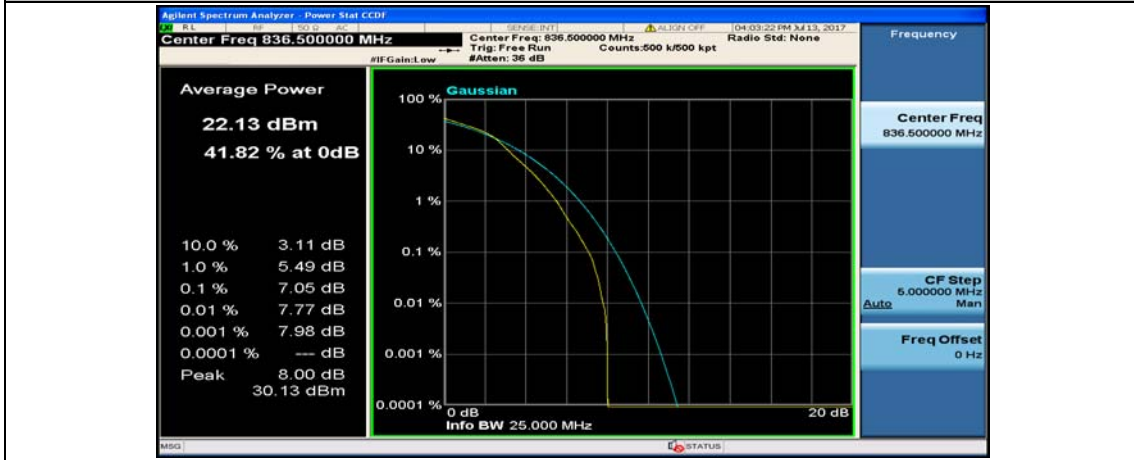
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



(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



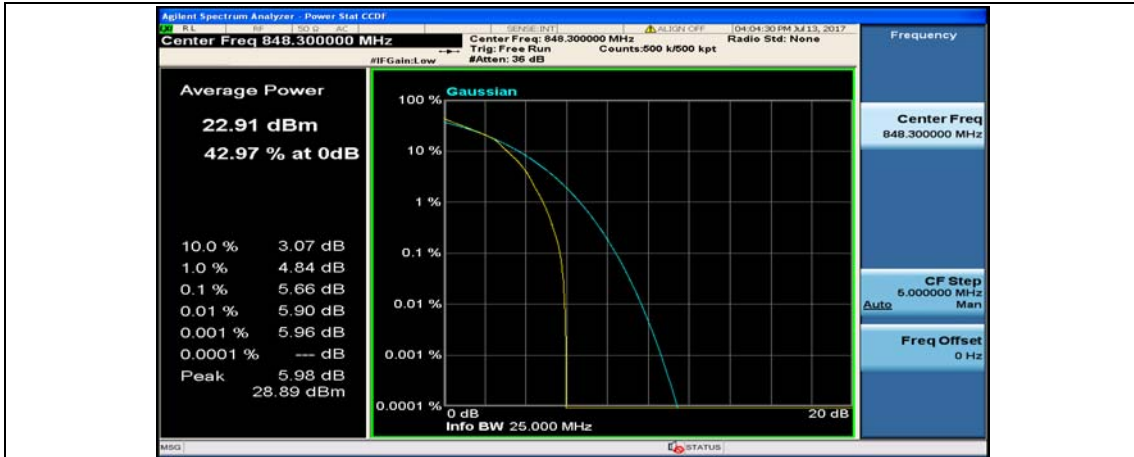
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



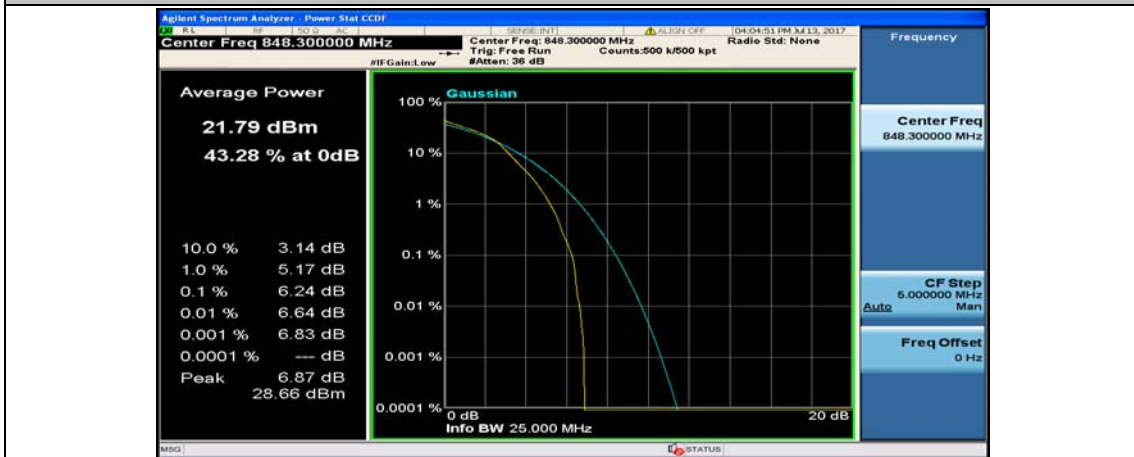
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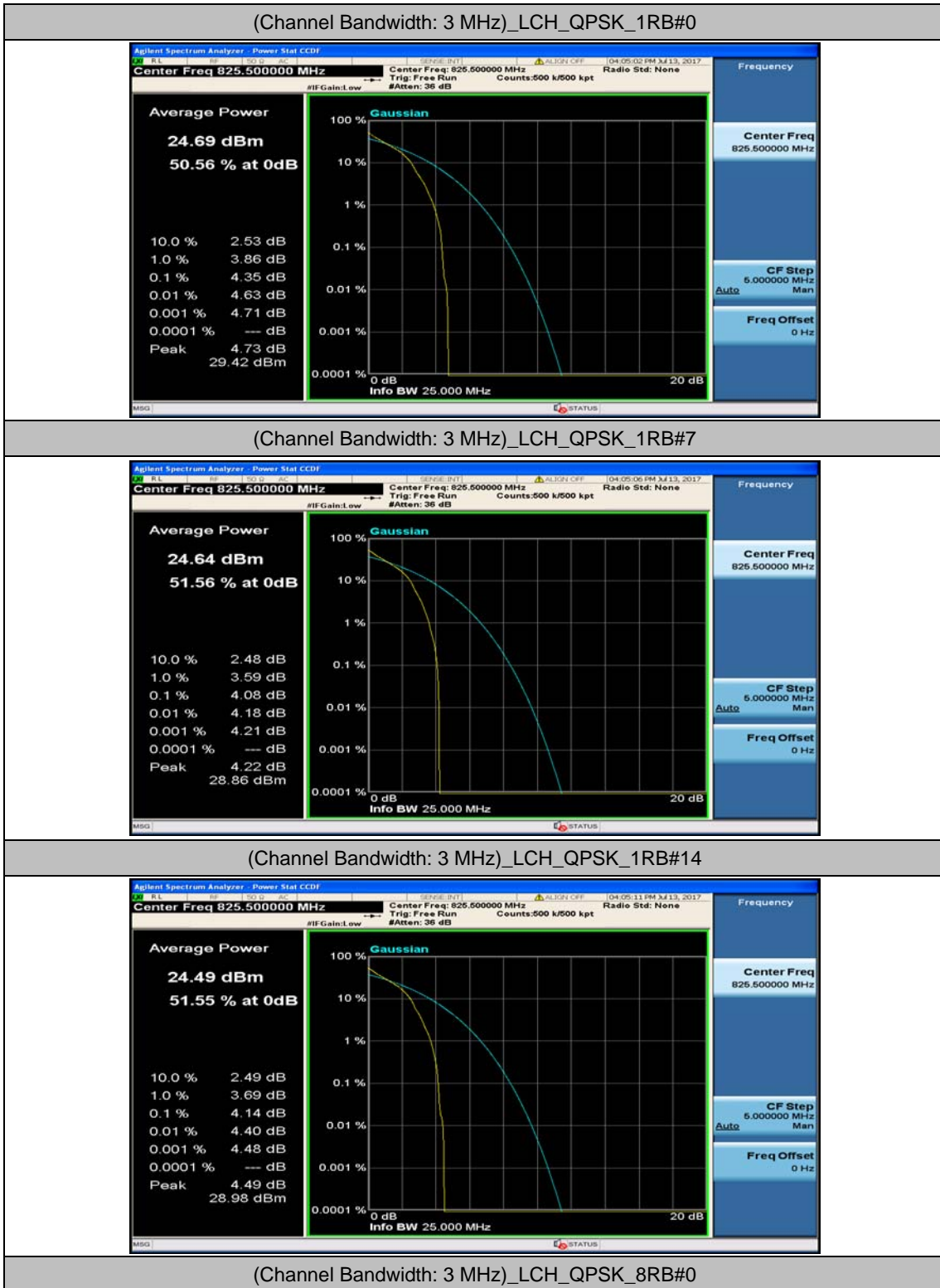
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(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



Channel Bandwidth: 3 MHz





(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



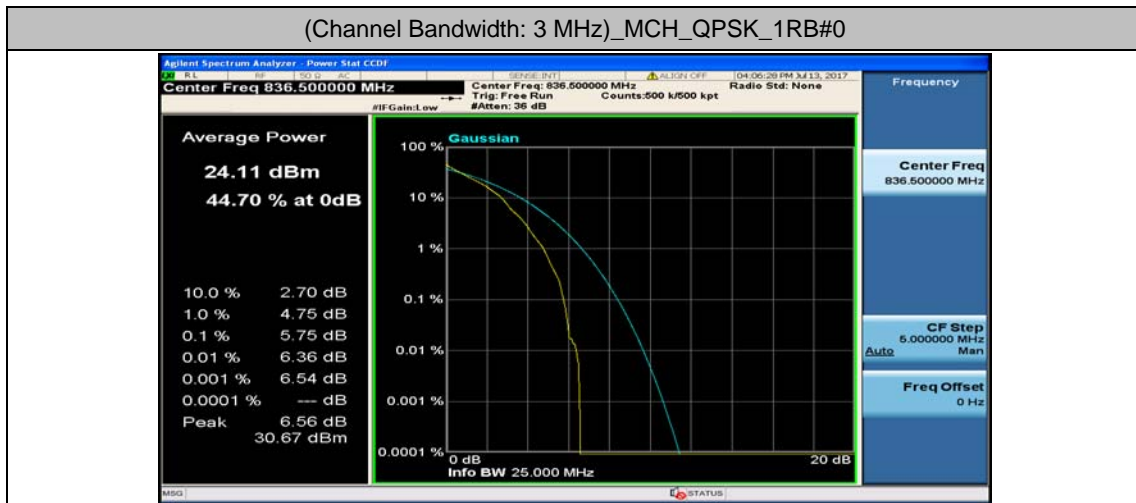
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(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(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



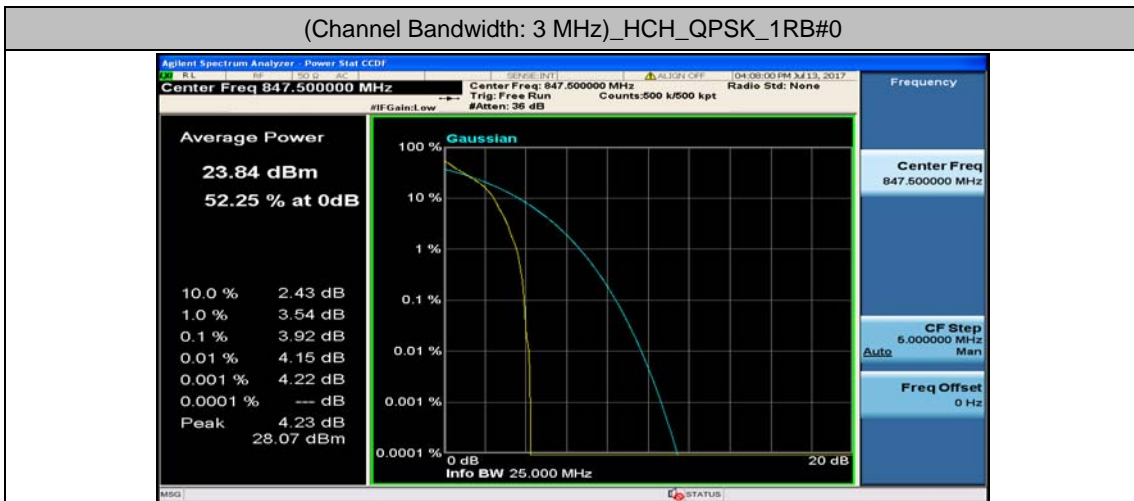
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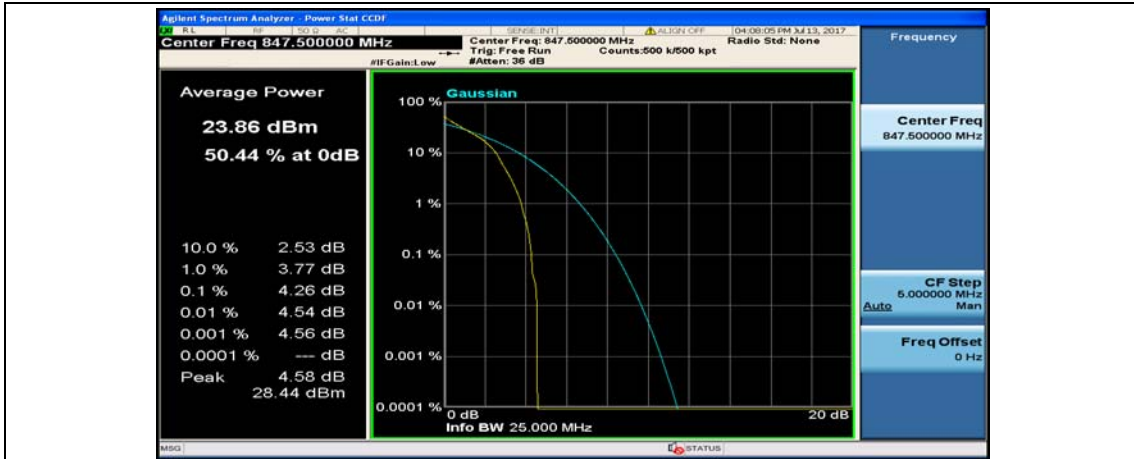
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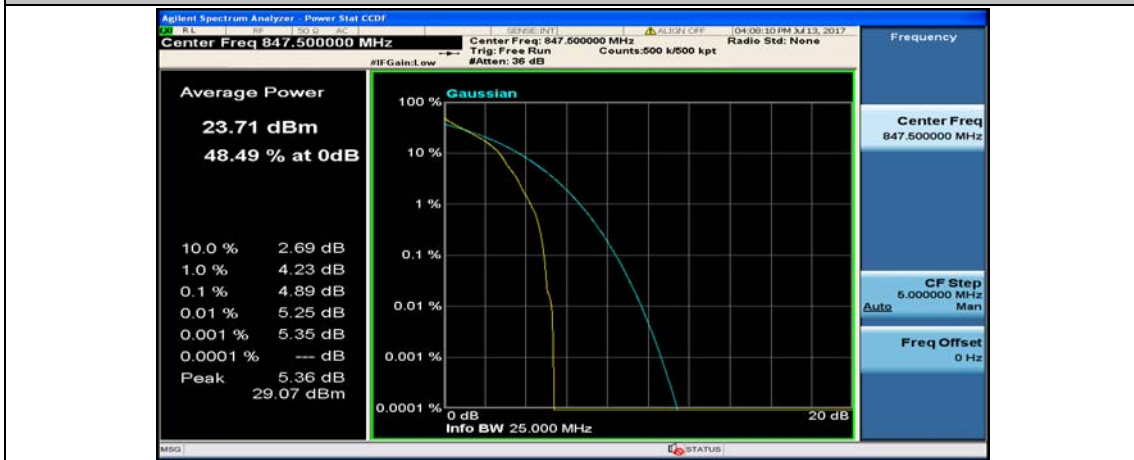
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



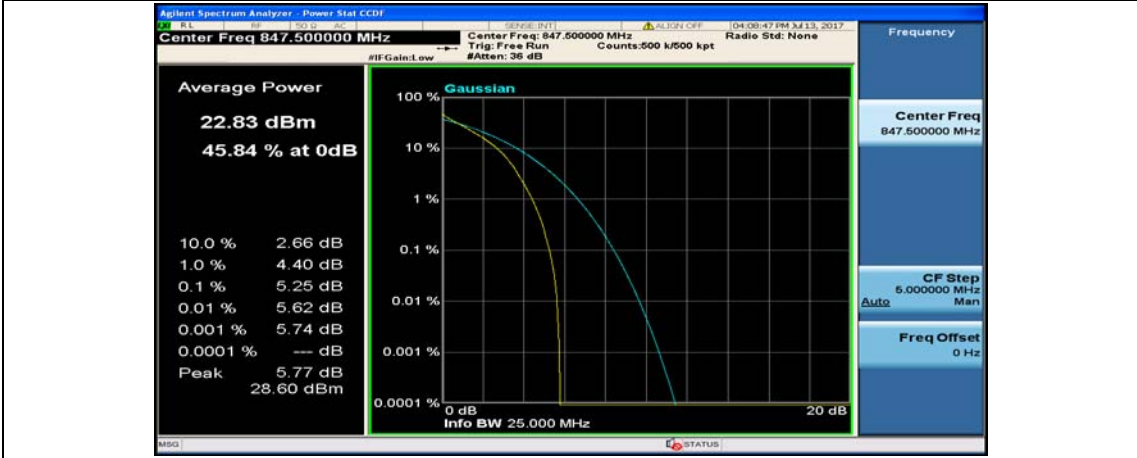
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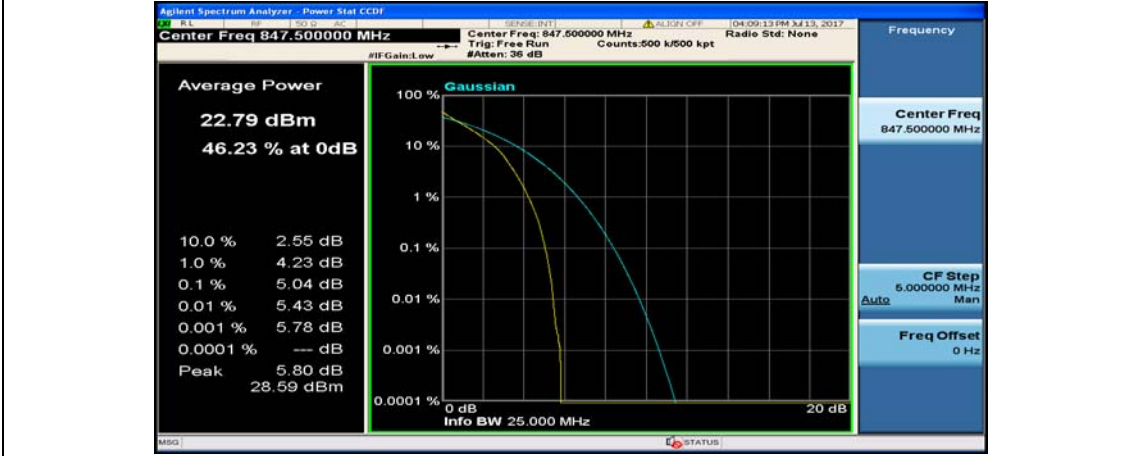
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(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



(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



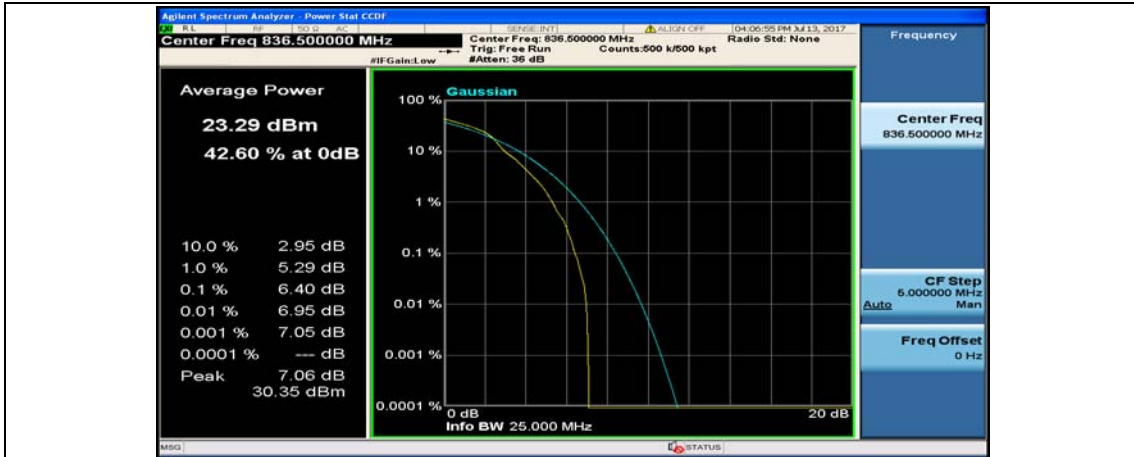
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



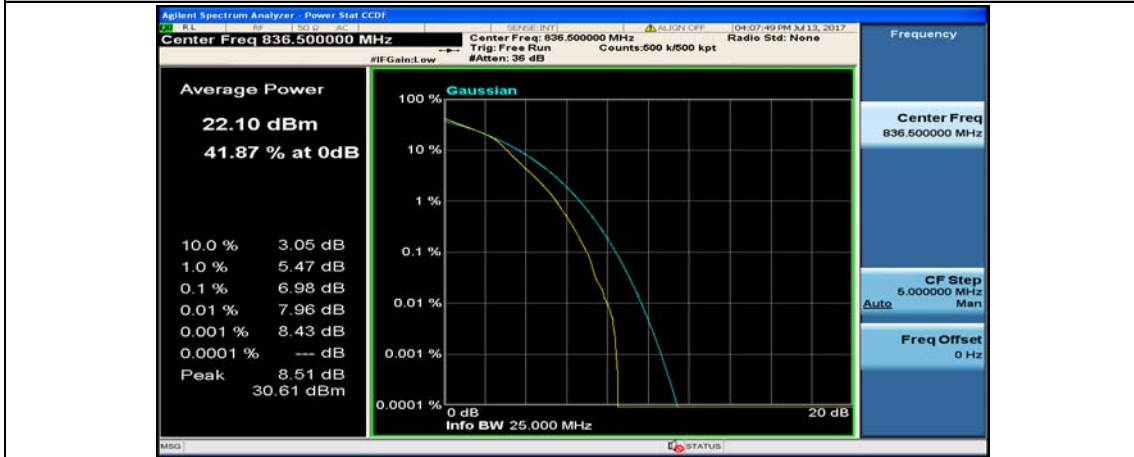
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



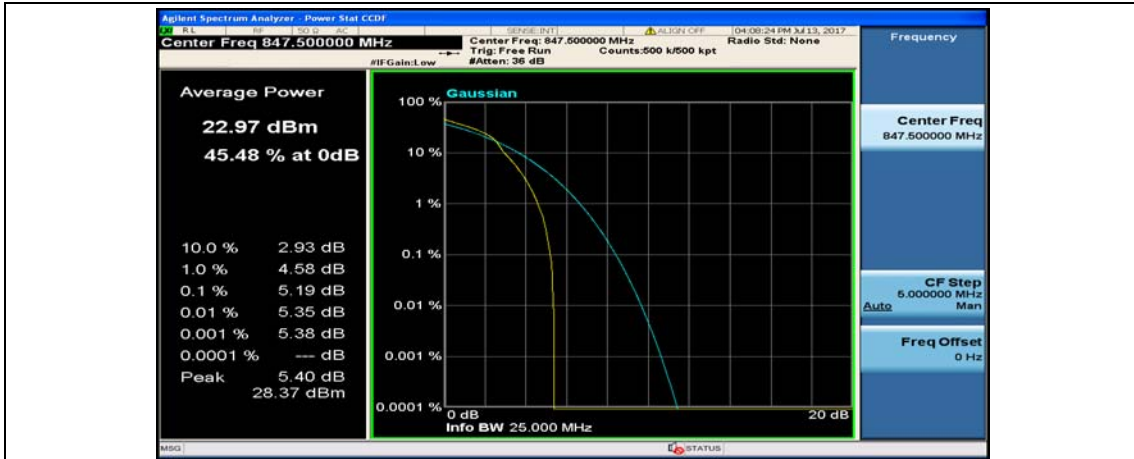
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



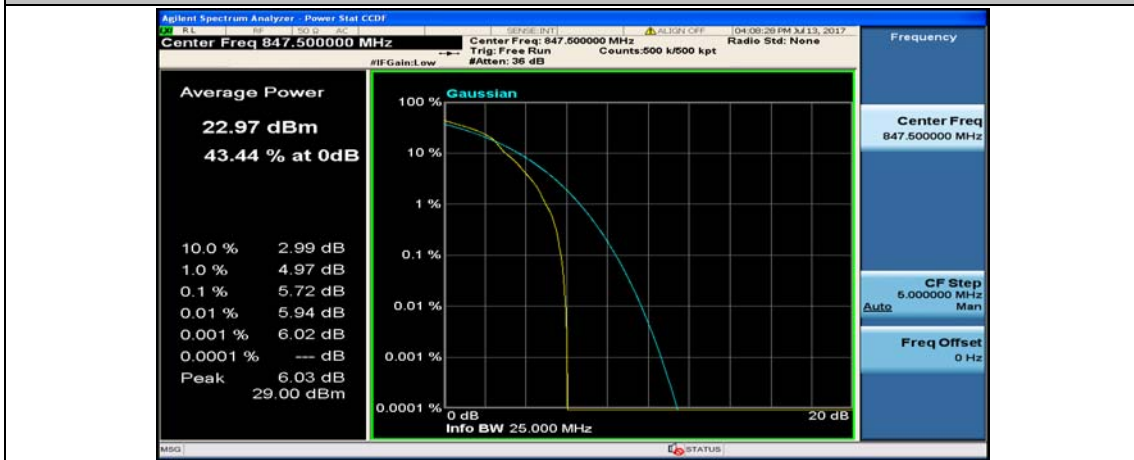
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(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



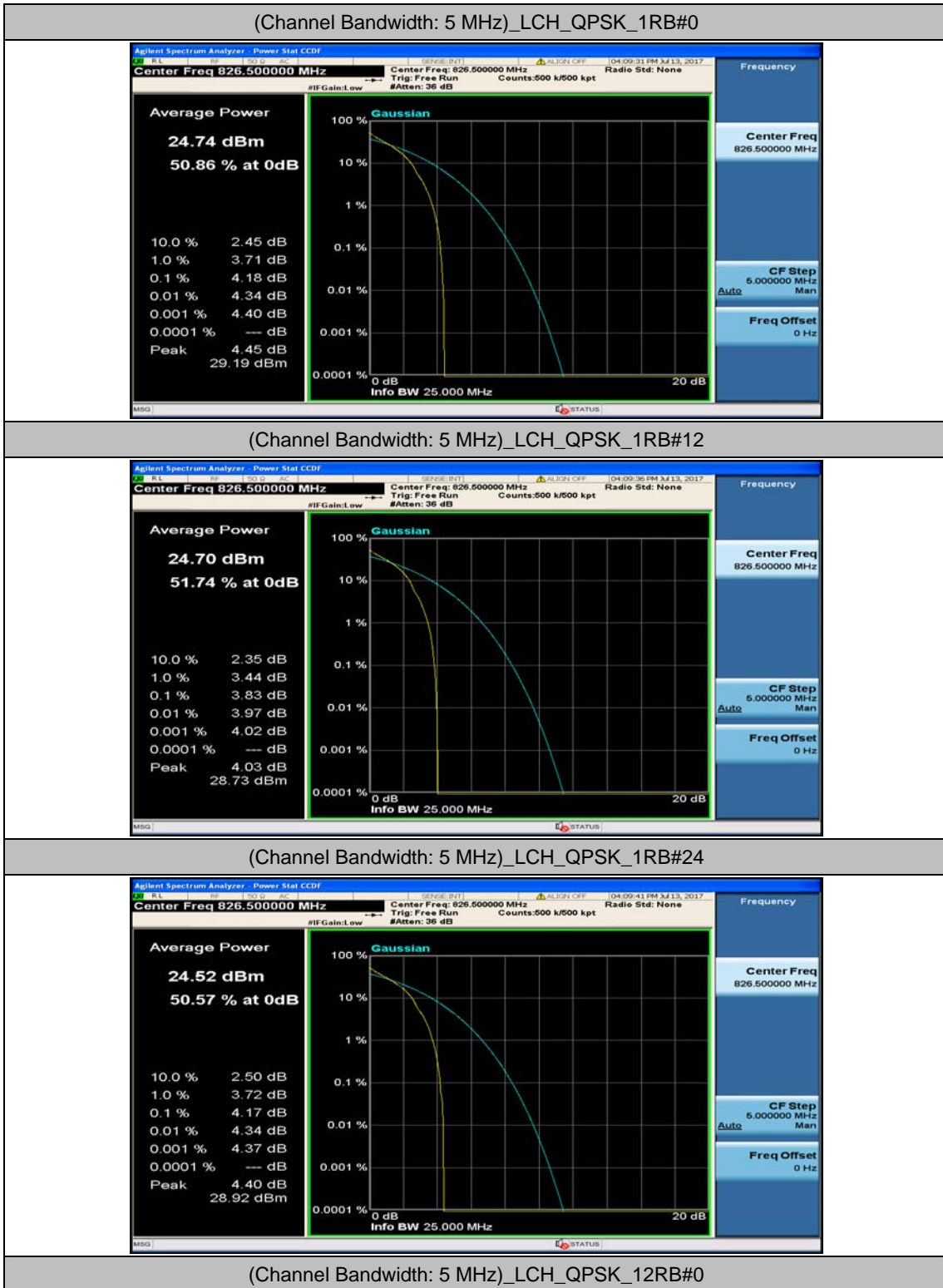
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



Channel Bandwidth: 5 MHz





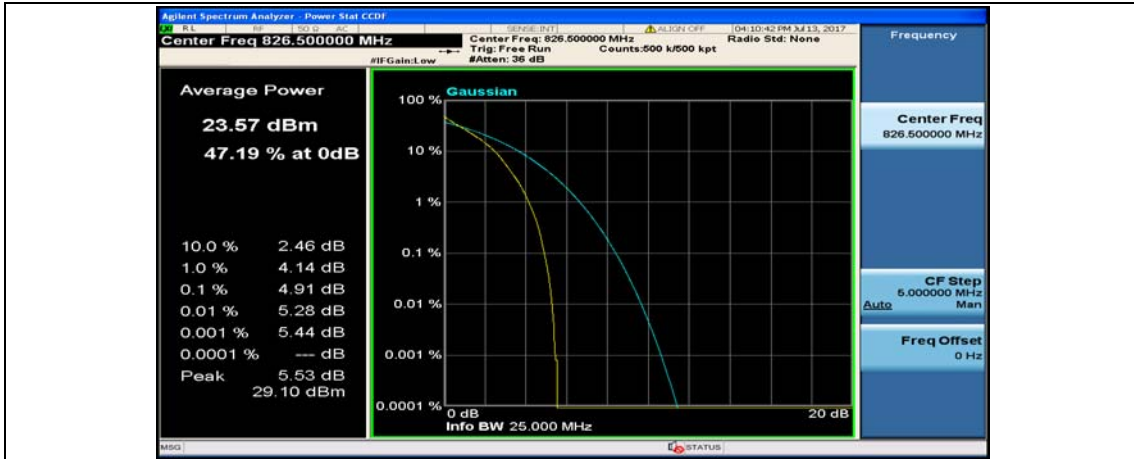
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



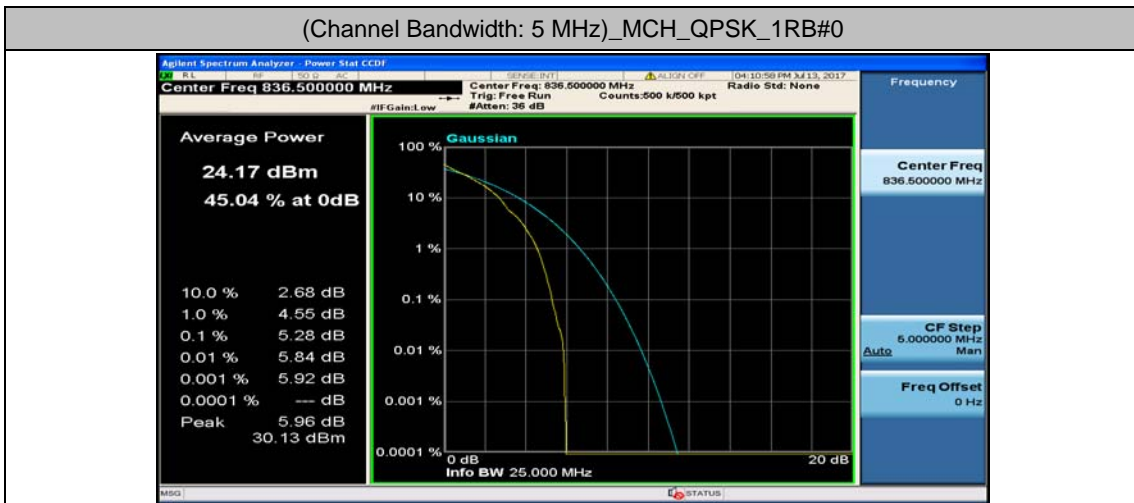
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



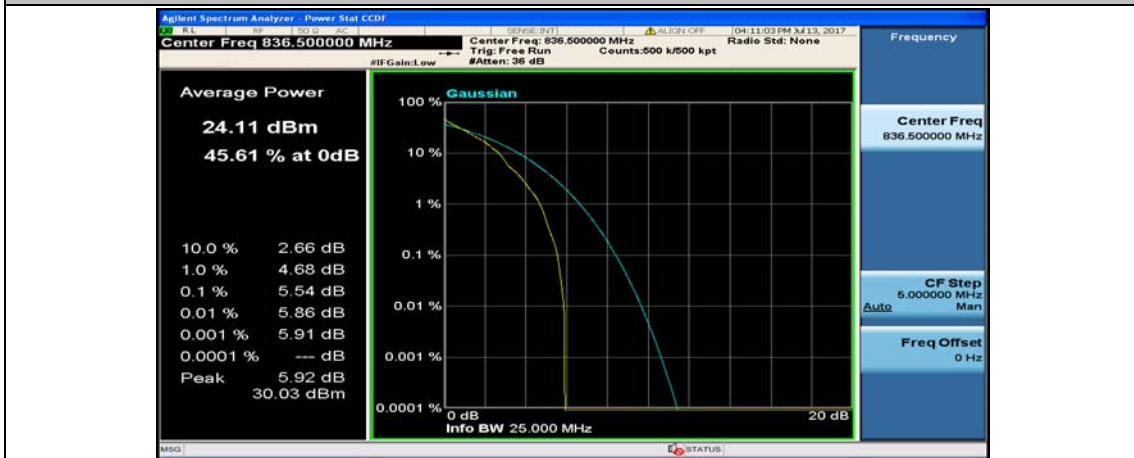
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(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



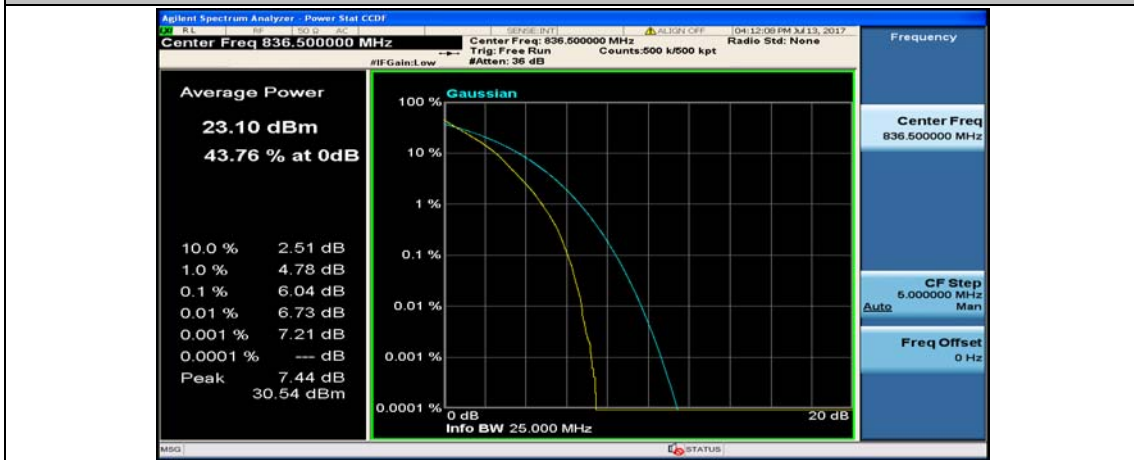
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



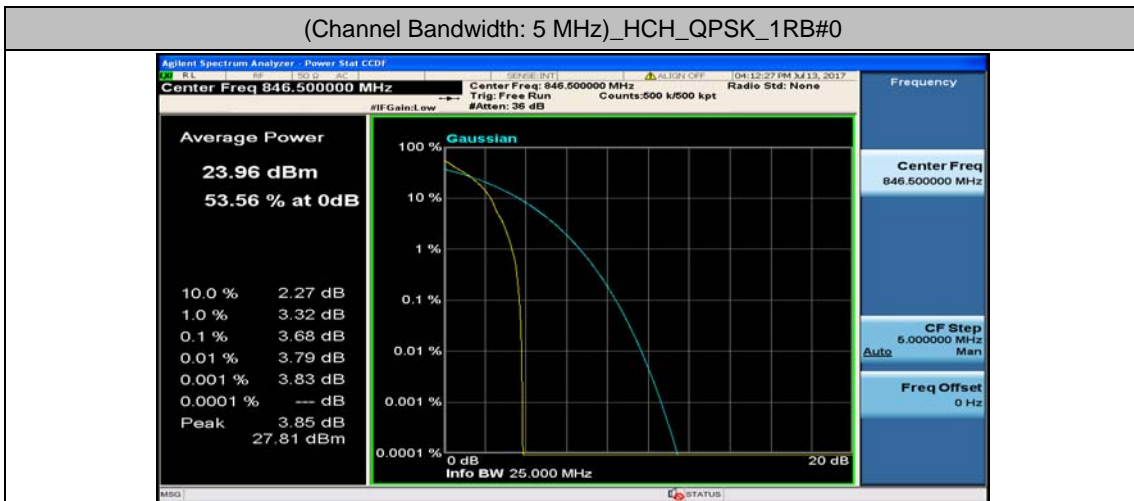
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



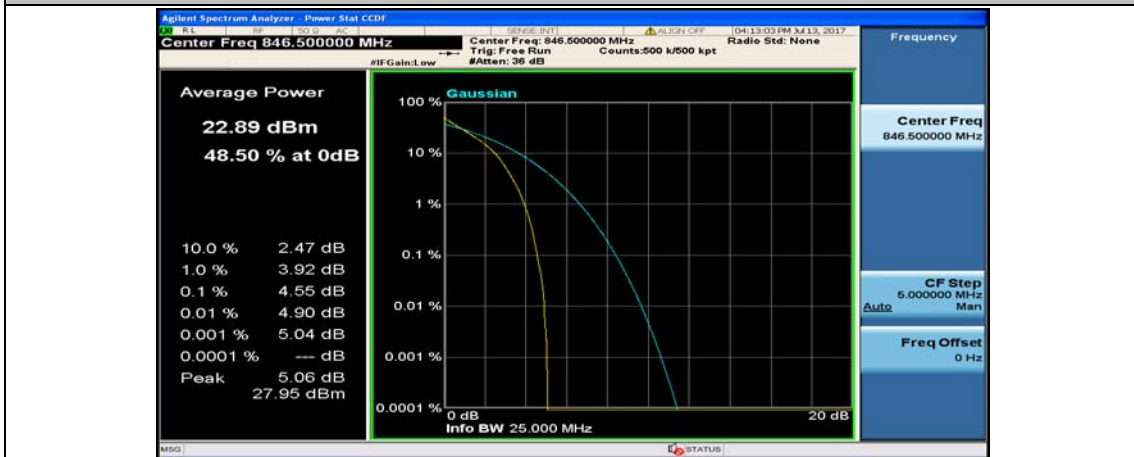
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



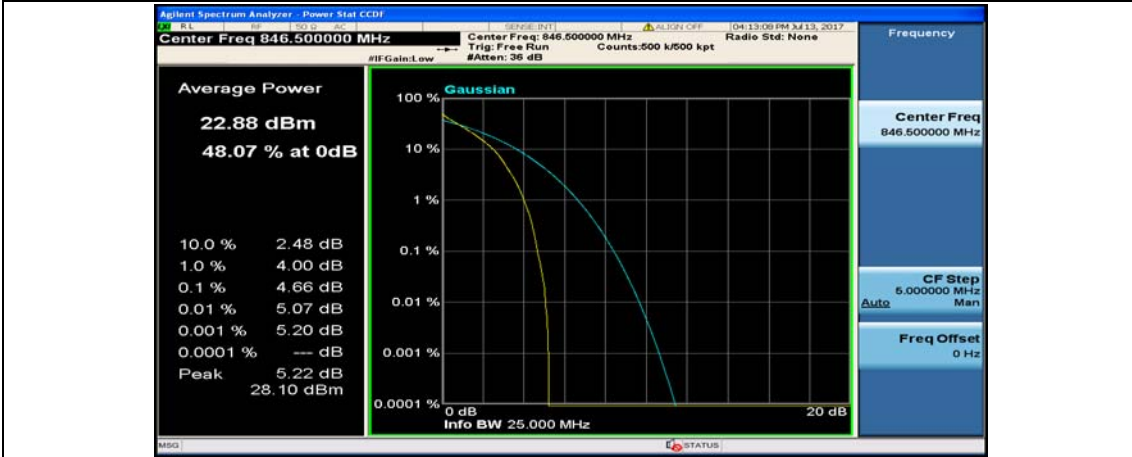
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



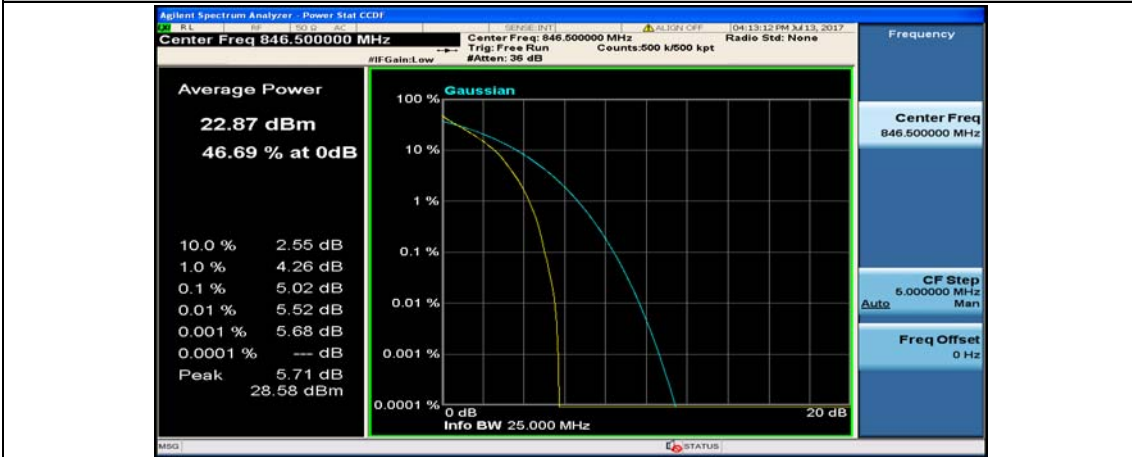
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



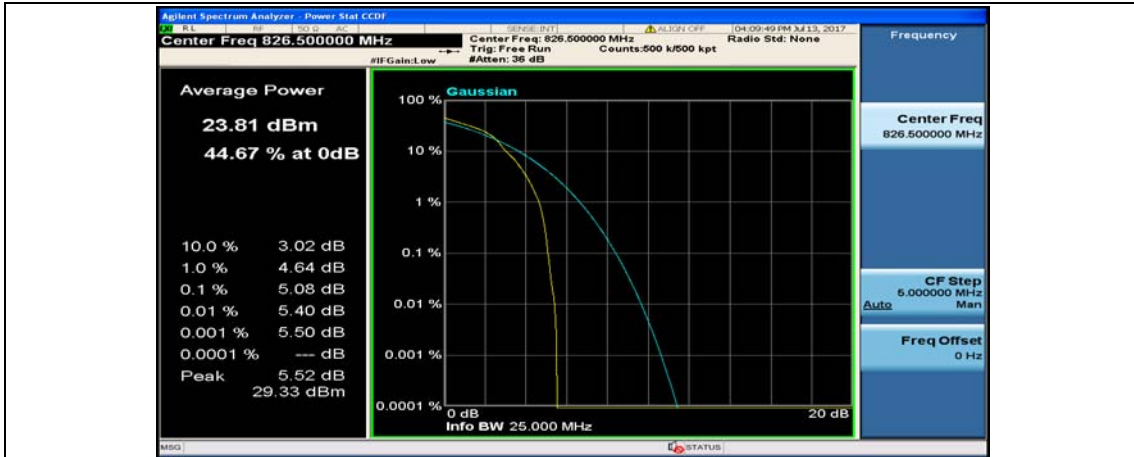
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



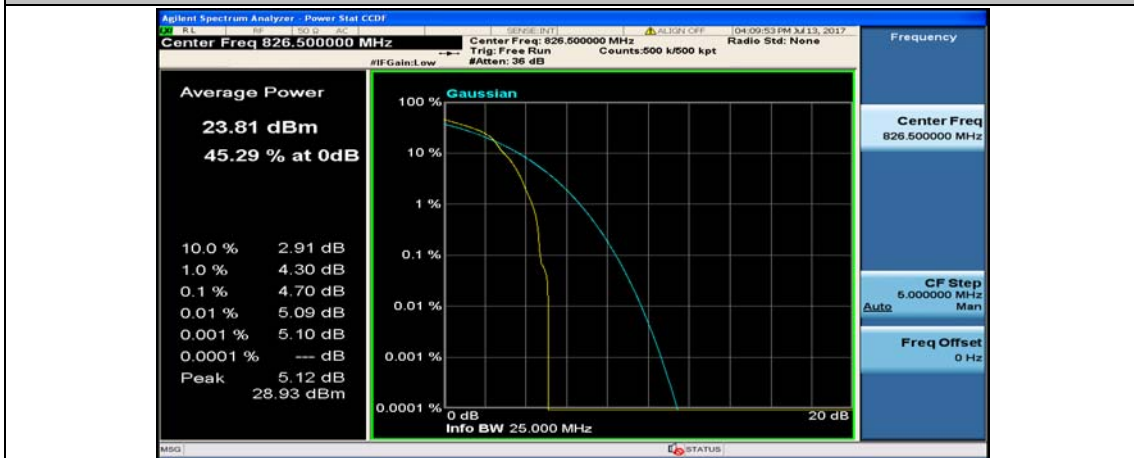
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(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



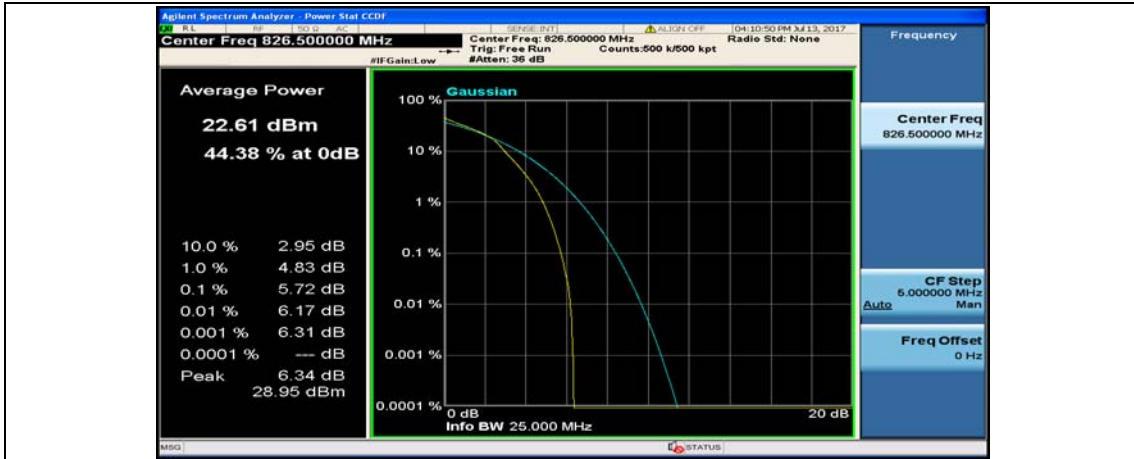
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



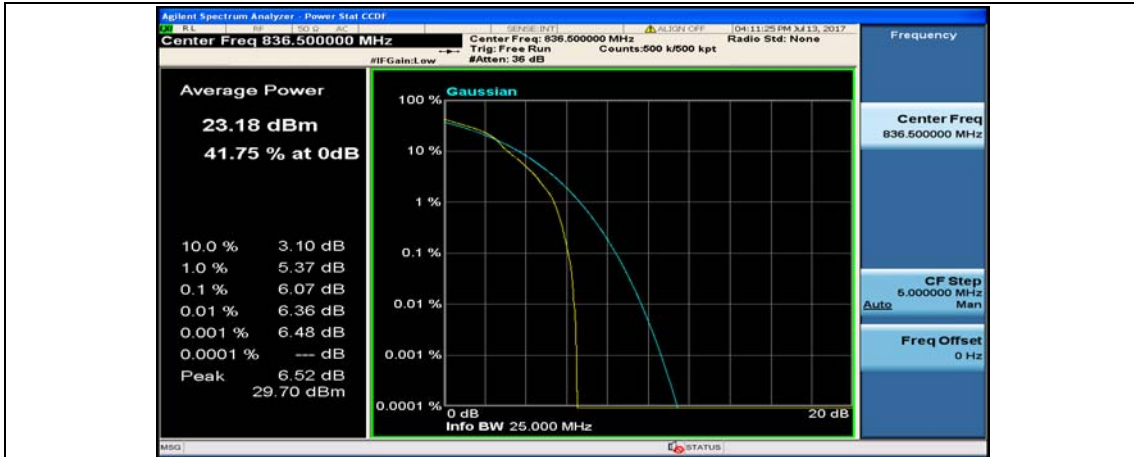
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(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



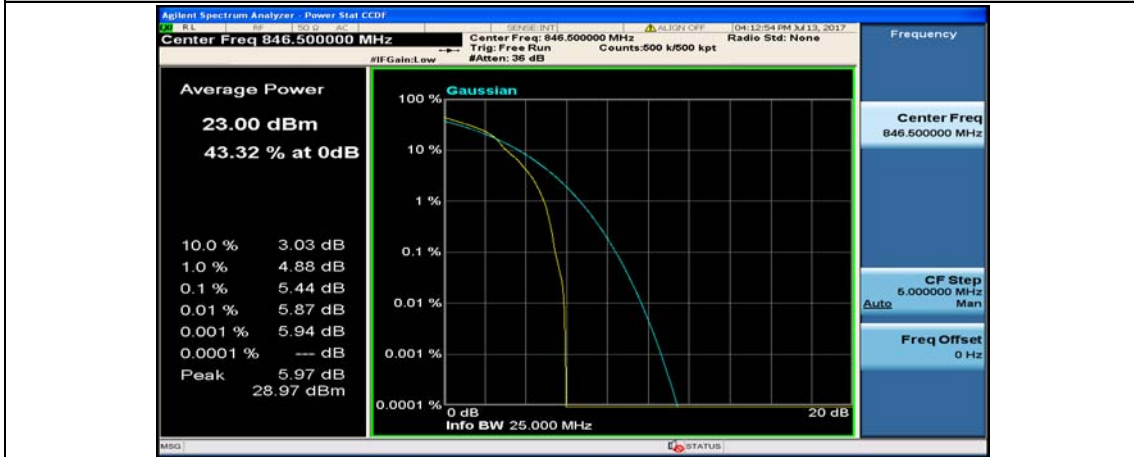
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



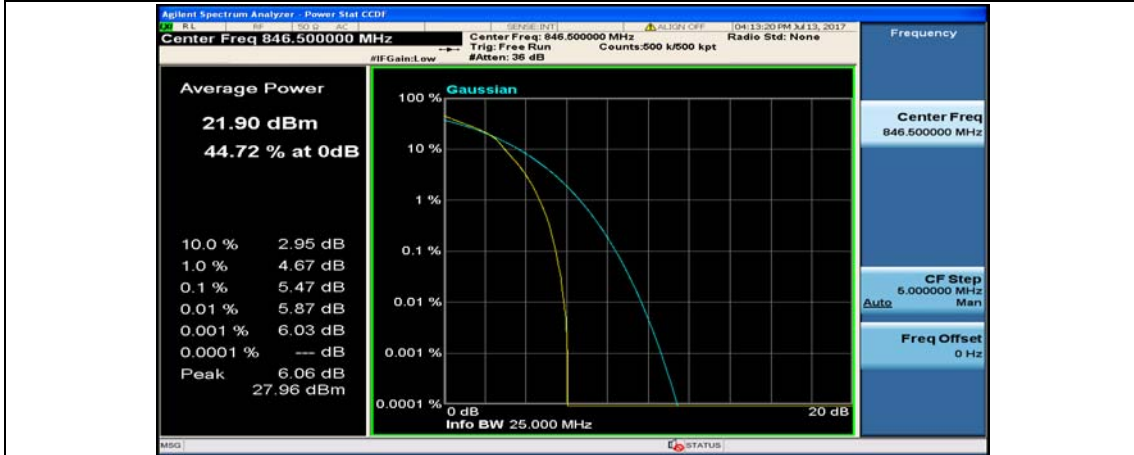
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(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

