

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	23.98	PASS
		1	3	24.05	PASS
		1	5	23.95	PASS
		3	0	23.61	PASS
		3	2	23.56	PASS
		3	3	23.64	PASS
		6	0	22.71	PASS
	MCH	1	0	24.63	PASS
		1	3	24.63	PASS
		1	5	24.66	PASS
		3	0	23.7	PASS
		3	2	23.68	PASS
		3	3	23.71	PASS
		6	0	22.7	PASS
	HCH	1	0	24.84	PASS
		1	3	24.79	PASS
		1	5	24.78	PASS
		3	0	23.49	PASS
		3	2	23.53	PASS
		3	3	23.41	PASS
		6	0	23.27	PASS
16QAM	LCH	1	0	23.42	PASS
		1	3	23.47	PASS
		1	5	23.34	PASS
		3	0	23.25	PASS
		3	2	23.24	PASS
		3	3	23.28	PASS
		6	0	22.16	PASS
	MCH	1	0	23.88	PASS
		1	3	23.97	PASS
		1	5	23.95	PASS

		3	0	23.37	PASS
		3	2	23.32	PASS
		3	3	23.37	PASS
		6	0	22.68	PASS
	HCH	1	0	23.03	PASS
		1	3	23.06	PASS
		1	5	23.99	PASS
		3	0	23.42	PASS
		3	2	23.46	PASS
		3	3	23.48	PASS
		6	0	22.37	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.06	PASS
		1	7	24.02	PASS
		1	14	23.99	PASS
		8	0	23.23	PASS
		8	4	23.23	PASS
		8	7	23.26	PASS
		15	0	23.22	PASS
	MCH	1	0	24.56	PASS
		1	7	24.68	PASS
		1	14	24.71	PASS
		8	0	23.68	PASS
		8	4	23.72	PASS
		8	7	23.76	PASS
		15	0	23.66	PASS
	HCH	1	0	24.83	PASS
		1	7	24.82	PASS
		1	14	24.68	PASS
		8	0	23.46	PASS
		8	4	23.42	PASS
		8	7	23.4	PASS
		15	0	23.48	PASS
16QAM	LCH	1	0	23.37	PASS
		1	7	23.36	PASS
		1	14	23.28	PASS
		8	0	22.35	PASS
		8	4	22.35	PASS
		8	7	22.34	PASS

	MCH	15	0	22.27	PASS
		1	0	23.91	PASS
		1	7	23.08	PASS
		1	14	23.11	PASS
		8	0	22.7	PASS
		8	4	22.71	PASS
		8	7	22.77	PASS
		15	0	22.68	PASS
	HCH	1	0	23.01	PASS
		1	7	23.05	PASS
		1	14	23.92	PASS
		8	0	22.85	PASS
		8	4	22.87	PASS
		8	7	22.84	PASS
		15	0	22.87	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	24.13	PASS
		1	12	23.55	PASS
		1	24	24.12	PASS
		12	0	22.65	PASS
		12	6	22.6	PASS
		12	13	22.88	PASS
		25	0	22.69	PASS
	MCH	1	0	24.62	PASS
		1	12	24.72	PASS
		1	24	24.22	PASS
		12	0	23.17	PASS
		12	6	23.23	PASS
		12	13	23	PASS
		25	0	23.16	PASS
	HCH	1	0	24.91	PASS
		1	12	24.93	PASS
		1	24	24.48	PASS
		12	0	22.98	PASS
		12	6	22.93	PASS
		12	13	22.91	PASS
		25	0	22.87	PASS
16QAM	LCH	1	0	23.4	PASS
		1	12	22.87	PASS

		1	24	23.39	PASS
		12	0	21.83	PASS
		12	6	21.79	PASS
		12	13	22.05	PASS
		25	0	21.8	PASS
	MCH	1	0	23.81	PASS
		1	12	23.02	PASS
		1	24	23.59	PASS
		12	0	22.78	PASS
		12	6	22.85	PASS
		12	13	22.7	PASS
		25	0	22.69	PASS
	HCH	1	0	23.08	PASS
		1	12	23.05	PASS
		1	24	23.79	PASS
		12	0	22.46	PASS
		12	6	22.41	PASS
		12	13	22.39	PASS
		25	0	22.41	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.72	PASS
		1	24	23.76	PASS
		1	49	24.43	PASS
		25	0	22.85	PASS
		25	12	23.11	PASS
		25	25	23.46	PASS
		50	0	23.37	PASS
	MCH	1	0	24.43	PASS
		1	24	24.99	PASS
		1	49	23.38	PASS
		25	0	23.88	PASS
		25	12	23.68	PASS
		25	25	23.01	PASS
		50	0	23.66	PASS
	HCH	1	0	23.89	PASS
		1	24	24.89	PASS
		1	49	24	PASS
		25	0	23.01	PASS
		25	12	23.56	PASS

		25	25	23.87	PASS
		50	0	23.51	PASS
16QAM	LCH	1	0	23.11	PASS
		1	24	23.18	PASS
		1	49	23.67	PASS
		25	0	21.96	PASS
		25	12	22.21	PASS
		25	25	22.41	PASS
		50	0	22.37	PASS
		MCH	1	0	23.71
	1		24	23.08	PASS
	1		49	22.9	PASS
	25		0	22.58	PASS
	25		12	22.72	PASS
	25		25	22.05	PASS
	50		0	22.72	PASS
	HCH	1	0	23.21	PASS
		1	24	23.81	PASS
		1	49	23.33	PASS
		25	0	22.11	PASS
		25	12	22.63	PASS
		25	25	22.85	PASS
		50	0	22.59	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	4.53	<13	PASS
		1	3	4.44	<13	PASS
		1	5	4.12	<13	PASS
		3	0	5	<13	PASS
		3	2	4.89	<13	PASS
		3	3	4.88	<13	PASS
		6	0	5.62	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	3	4.42	<13	PASS
		1	5	4.43	<13	PASS
		3	0	4.76	<13	PASS
		3	2	4.91	<13	PASS
		3	3	4.88	<13	PASS
		6	0	5.34	<13	PASS
	HCH	1	0	3.49	<13	PASS
		1	3	3.7	<13	PASS
		1	5	3.77	<13	PASS
		3	0	3.91	<13	PASS
		3	2	4.18	<13	PASS
		3	3	4.23	<13	PASS
		6	0	4.86	<13	PASS
16QAM	LCH	1	0	5.23	<13	PASS
		1	3	5.15	<13	PASS
		1	5	5.13	<13	PASS
		3	0	5.94	<13	PASS
		3	2	5.74	<13	PASS
		3	3	5.7	<13	PASS
		6	0	6.5	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	3	5.05	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.38	<13	PASS

		3	2	5.58	<13	PASS
		3	3	5.6	<13	PASS
		6	0	6.31	<13	PASS
	HCH	1	0	4.45	<13	PASS
		1	3	4.7	<13	PASS
		1	5	4.66	<13	PASS
		3	0	4.79	<13	PASS
		3	2	5.04	<13	PASS
		3	3	5.12	<13	PASS
		6	0	5.67	<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	4.47	<13	PASS
		1	7	4.28	<13	PASS
		1	14	3.82	<13	PASS
		8	0	5.62	<13	PASS
		8	4	5.4	<13	PASS
		8	7	5.21	<13	PASS
		15	0	5.47	<13	PASS
	MCH	1	0	4.01	<13	PASS
		1	7	4.3	<13	PASS
		1	14	4.82	<13	PASS
		8	0	5.22	<13	PASS
		8	4	5.31	<13	PASS
		8	7	5.56	<13	PASS
		15	0	5.43	<13	PASS
	HCH	1	0	3.19	<13	PASS
		1	7	3.56	<13	PASS
		1	14	4.01	<13	PASS
		8	0	4.48	<13	PASS
		8	4	4.61	<13	PASS
		8	7	4.84	<13	PASS
		15	0	4.59	<13	PASS
16QAM	LCH	1	0	5.32	<13	PASS
		1	7	4.91	<13	PASS
		1	14	4.56	<13	PASS
		8	0	6.25	<13	PASS
		8	4	6.06	<13	PASS

		8	7	5.9	<13	PASS
		15	0	6.41	<13	PASS
	MCH	1	0	4.87	<13	PASS
		1	7	5.22	<13	PASS
		1	14	5.54	<13	PASS
		8	0	5.8	<13	PASS
		8	4	5.93	<13	PASS
		8	7	6.12	<13	PASS
		15	0	6.14	<13	PASS
		HCH	1	0	4.04	<13
	1		7	4.37	<13	PASS
	1		14	4.81	<13	PASS
	8		0	5.4	<13	PASS
	8		4	5.59	<13	PASS
	8		7	5.71	<13	PASS
	15		0	5.47	<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	4.53	<13	PASS
		1	12	4.23	<13	PASS
		1	24	3.33	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.54	<13	PASS
		12	13	5.03	<13	PASS
		25	0	5.48	<13	PASS
	MCH	1	0	3.76	<13	PASS
		1	12	4.84	<13	PASS
		1	24	5.23	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.57	<13	PASS
		12	13	5.94	<13	PASS
		25	0	5.53	<13	PASS
	HCH	1	0	3.08	<13	PASS
		1	12	3.4	<13	PASS
		1	24	4.2	<13	PASS
		12	0	4.37	<13	PASS
		12	6	4.68	<13	PASS
		12	13	5.12	<13	PASS

		25	0	4.84	<13	PASS
16QAM	LCH	1	0	5.16	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.03	<13	PASS
		12	0	6.55	<13	PASS
		12	6	6.22	<13	PASS
		12	13	5.88	<13	PASS
		25	0	6.18	<13	PASS
	MCH	1	0	4.81	<13	PASS
		1	12	5.95	<13	PASS
		1	24	6.23	<13	PASS
		12	0	5.95	<13	PASS
		12	6	6.31	<13	PASS
		12	13	6.72	<13	PASS
		25	0	6.45	<13	PASS
	HCH	1	0	3.91	<13	PASS
		1	12	4.25	<13	PASS
		1	24	4.93	<13	PASS
		12	0	5.2	<13	PASS
		12	6	5.42	<13	PASS
		12	13	5.89	<13	PASS
		25	0	5.66	<13	PASS

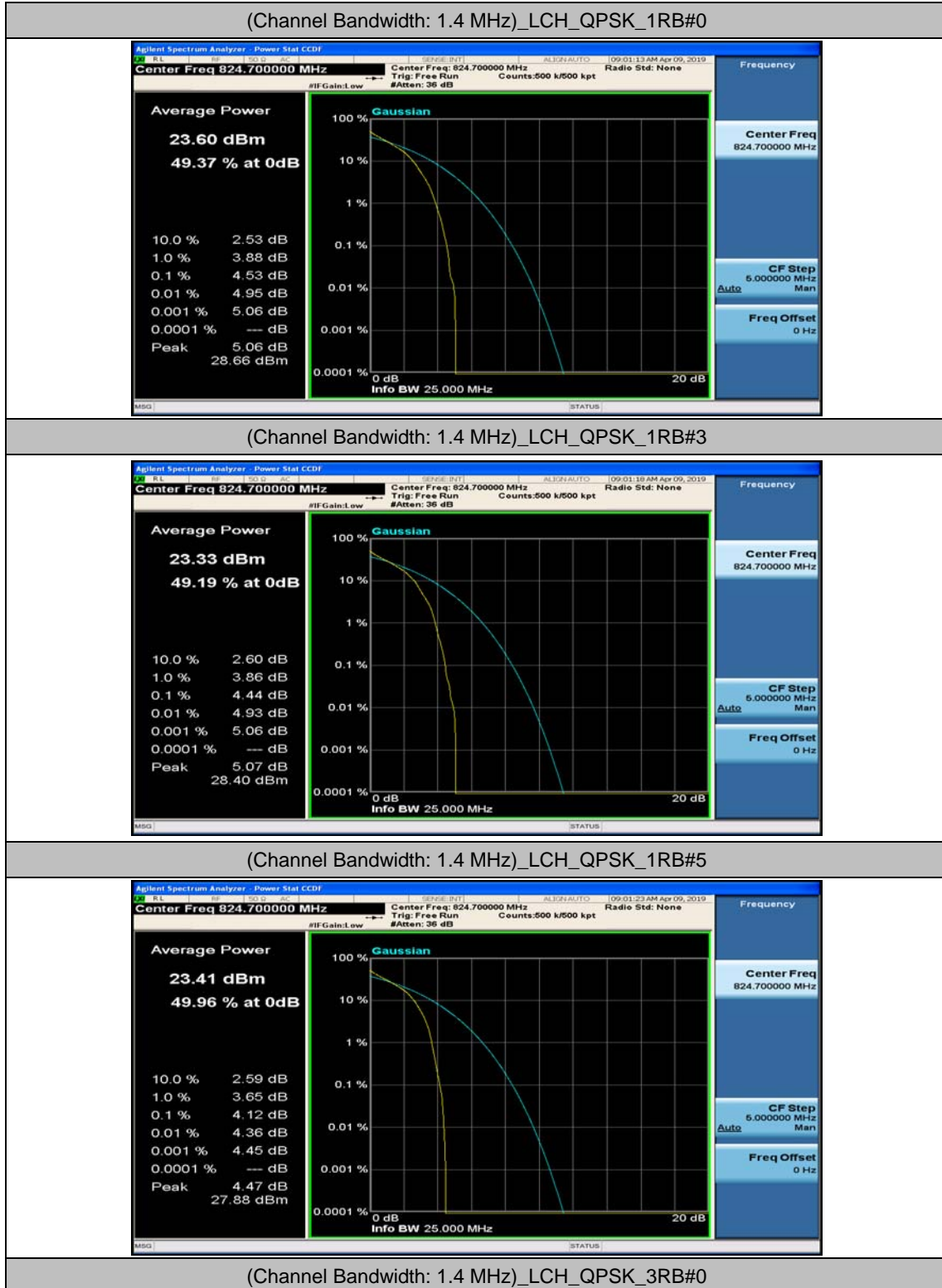
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.52	<13	PASS
		1	24	3.43	<13	PASS
		1	49	3.53	<13	PASS
		25	0	5.25	<13	PASS
		25	12	4.59	<13	PASS
		25	25	4.12	<13	PASS
		50	0	4.88	<13	PASS
	MCH	1	0	3.01	<13	PASS
		1	24	4.62	<13	PASS
		1	49	4.87	<13	PASS
		25	0	4.86	<13	PASS
		25	12	5.52	<13	PASS
		25	25	5.9	<13	PASS
		50	0	5.21	<13	PASS

	HCH	1	0	5.15	<13	PASS
		1	24	3.52	<13	PASS
		1	49	4.29	<13	PASS
		25	0	5.54	<13	PASS
		25	12	4.89	<13	PASS
		25	25	4.8	<13	PASS
		50	0	5.41	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	24	4.14	<13	PASS
		1	49	4.47	<13	PASS
		25	0	5.97	<13	PASS
		25	12	5.36	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.62	<13	PASS
	MCH	1	0	4.14	<13	PASS
		1	24	5.53	<13	PASS
		1	49	5.8	<13	PASS
		25	0	5.79	<13	PASS
		25	12	6.34	<13	PASS
		25	25	6.76	<13	PASS
		50	0	6.08	<13	PASS
	HCH	1	0	5.94	<13	PASS
		1	24	4.26	<13	PASS
		1	49	5.11	<13	PASS
		25	0	6.52	<13	PASS
		25	12	5.8	<13	PASS
		25	25	5.67	<13	PASS
		50	0	6.21	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz





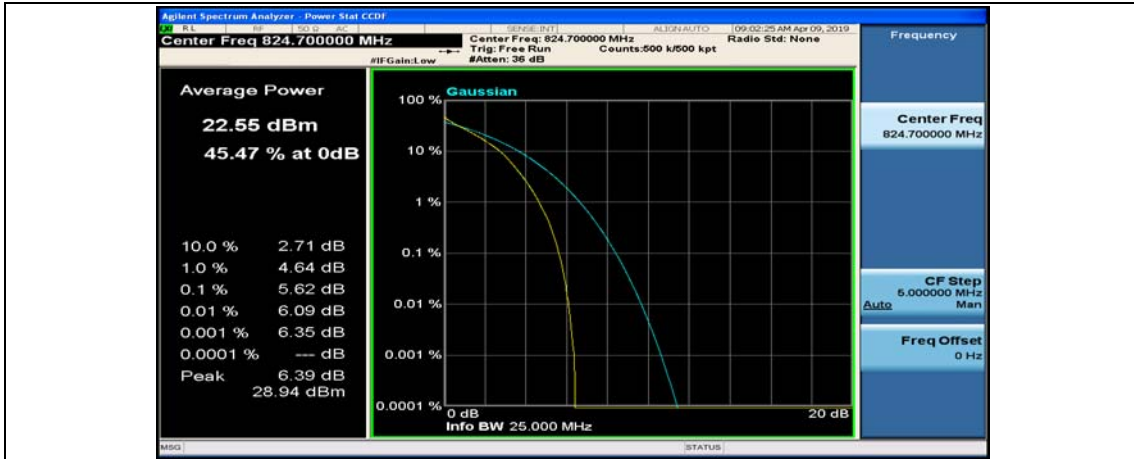
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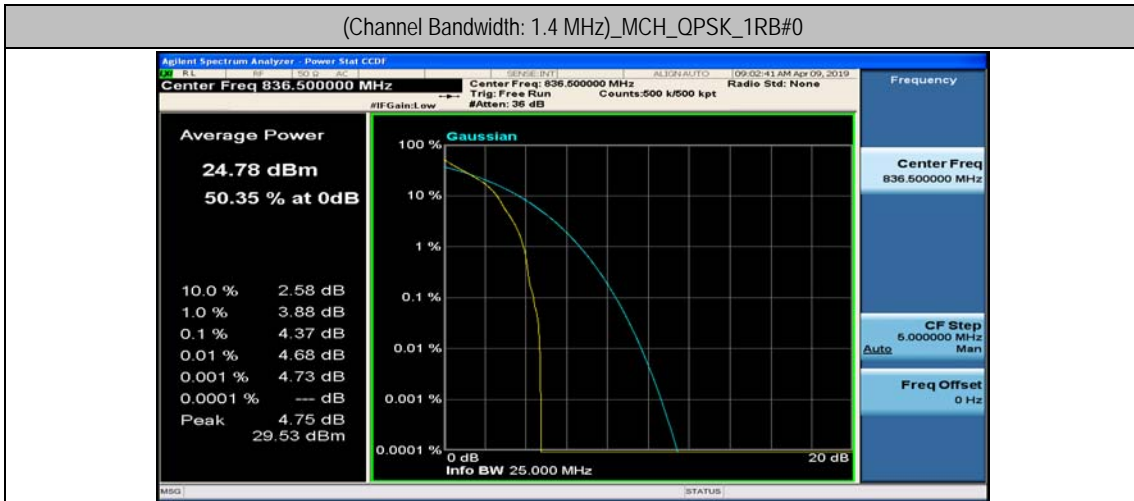
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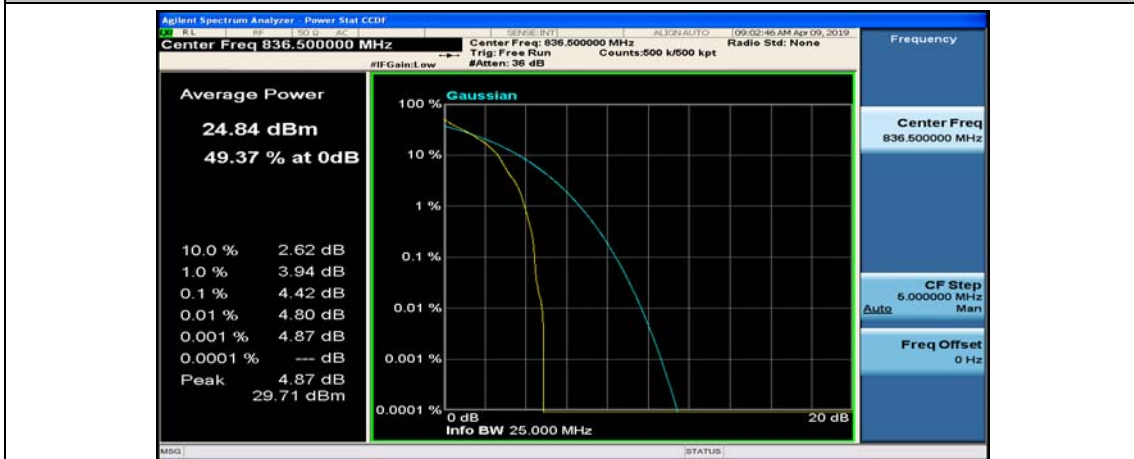
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(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



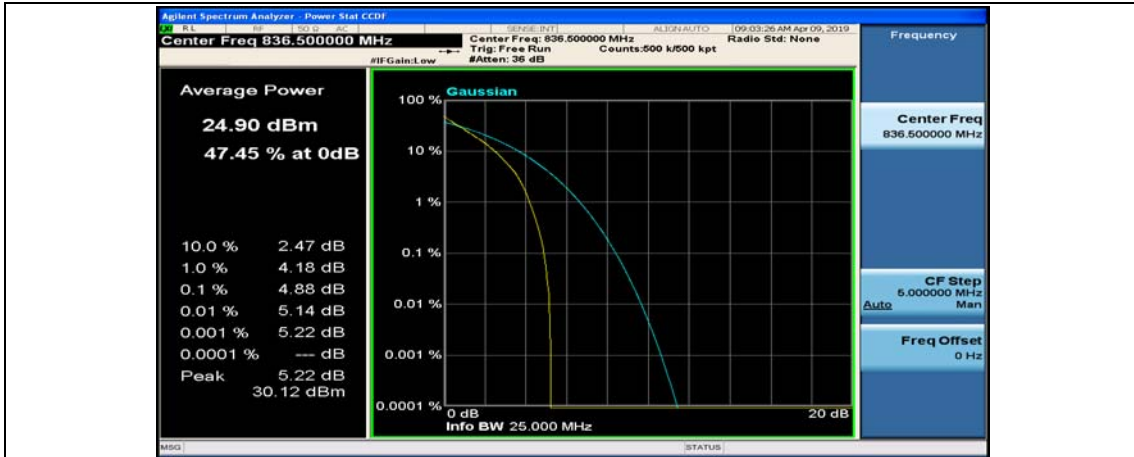
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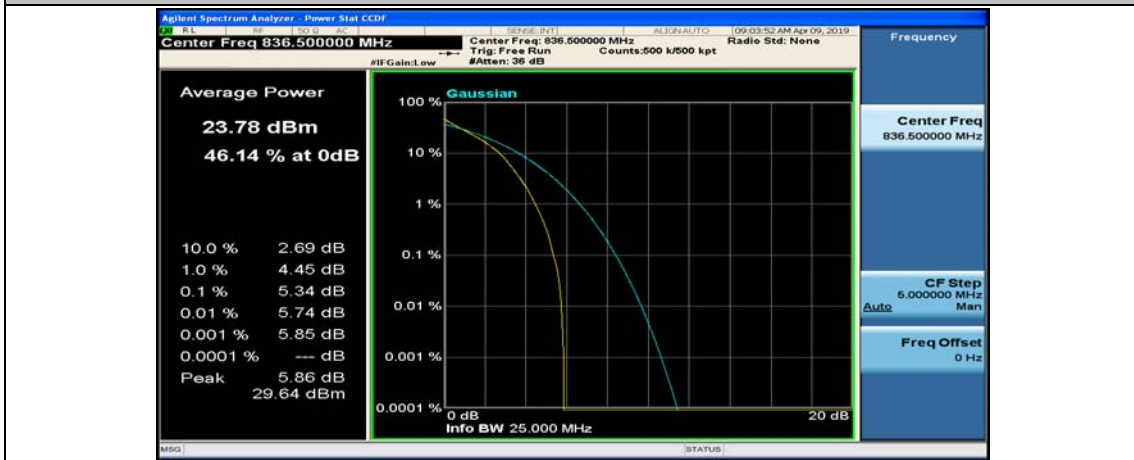
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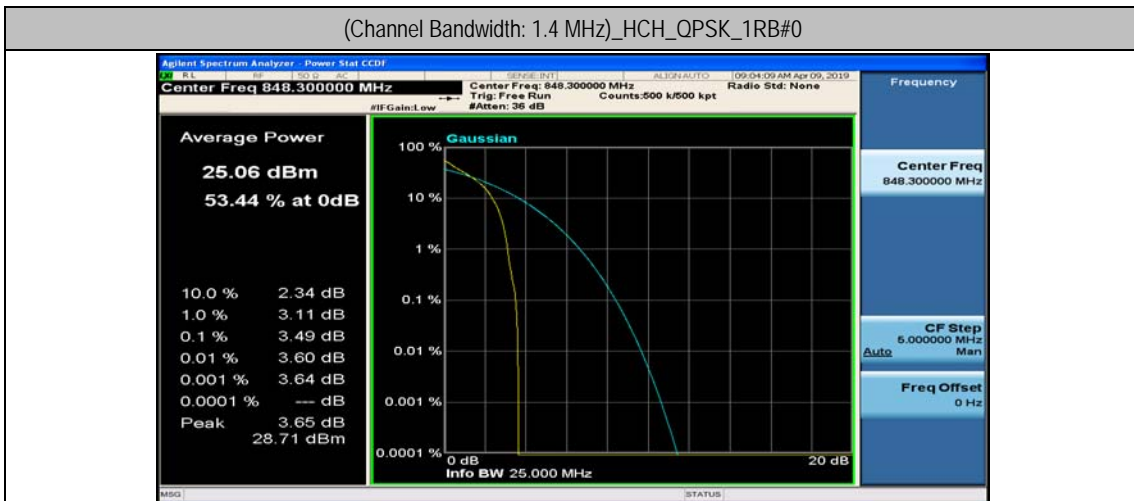
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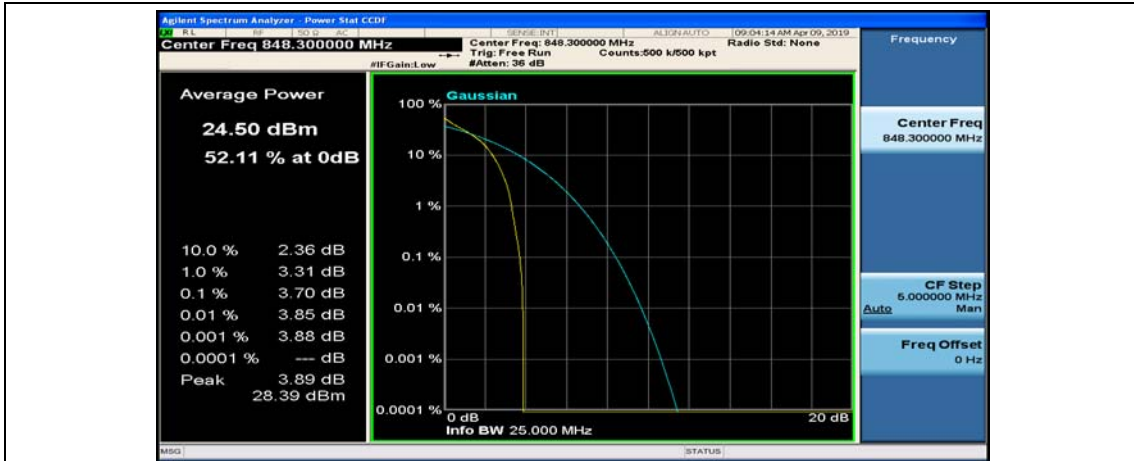
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(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(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#0



(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



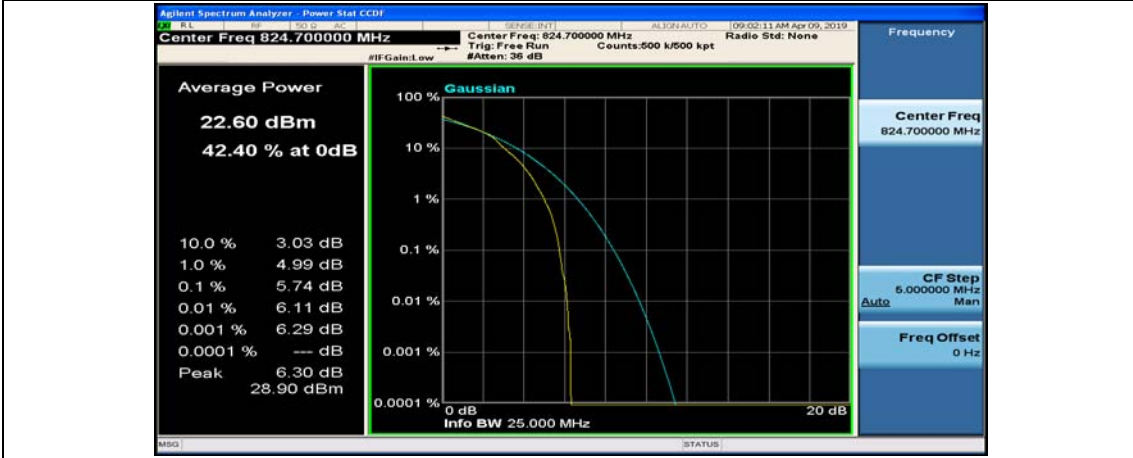
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(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



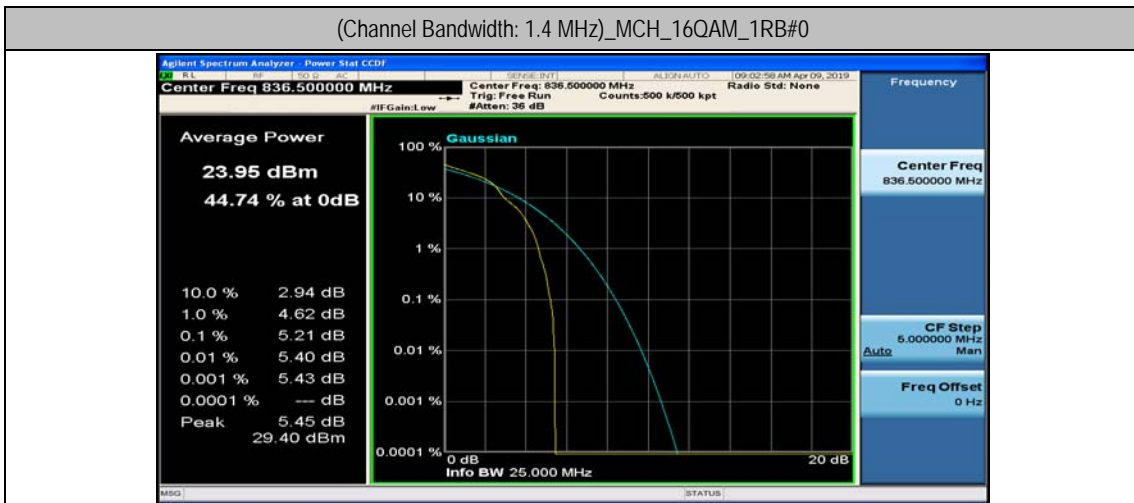
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



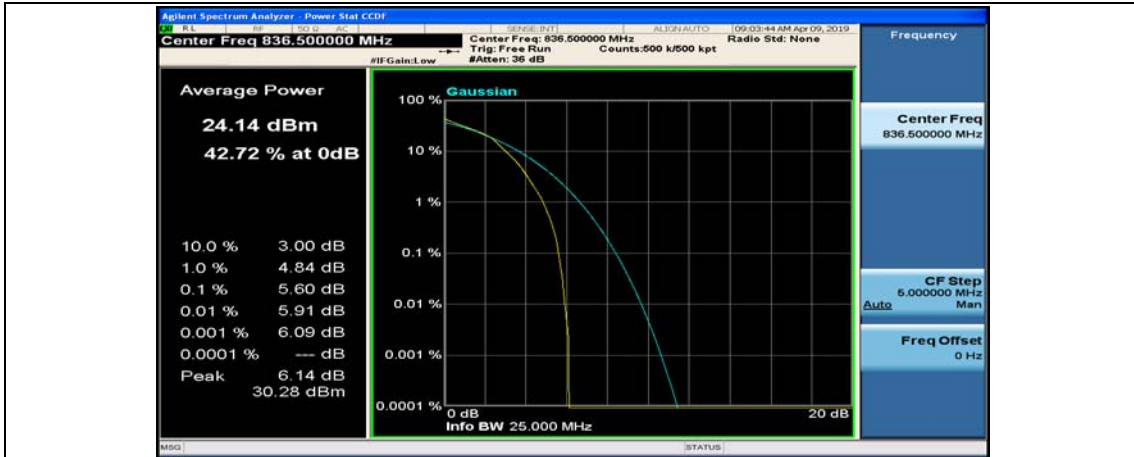
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



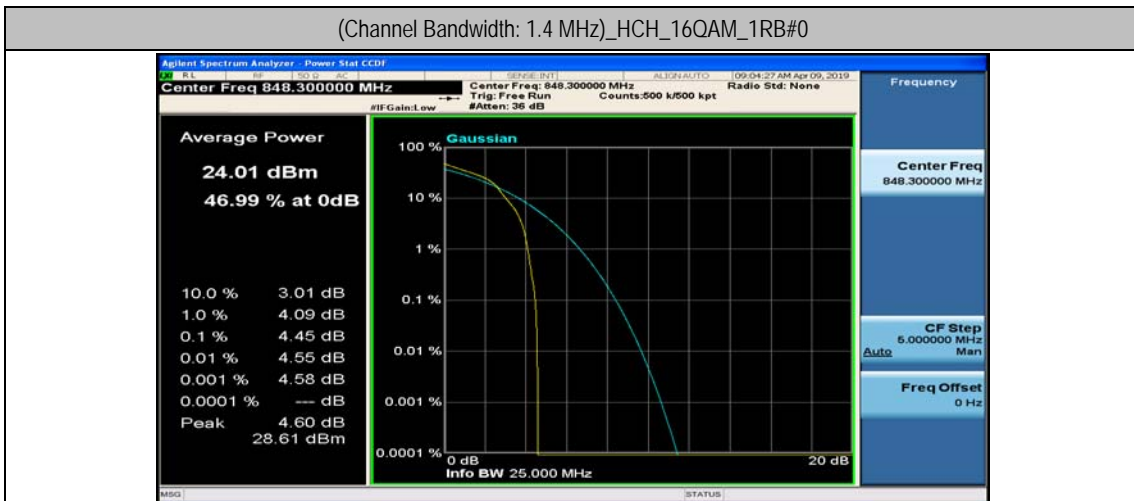
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(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(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



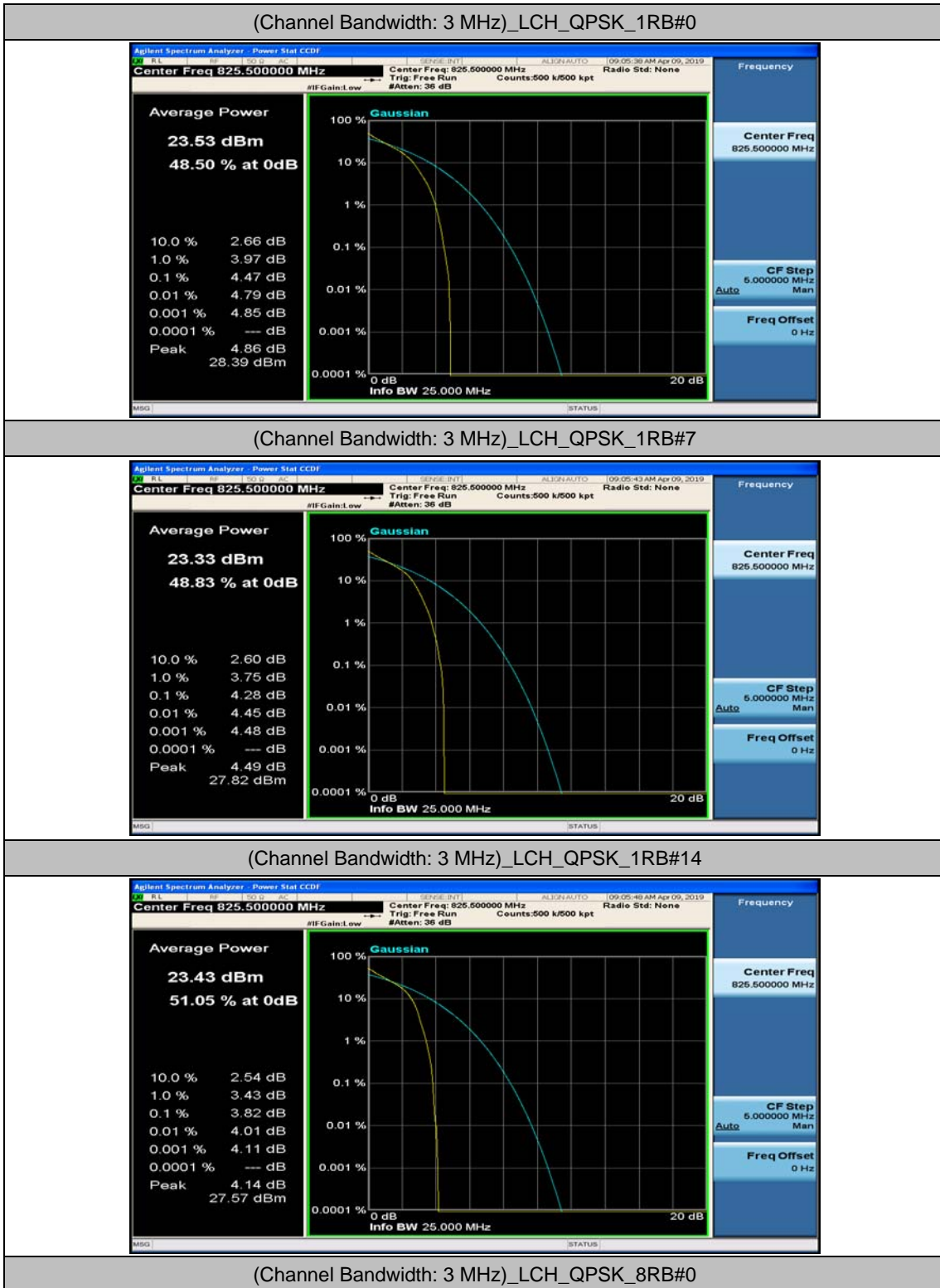
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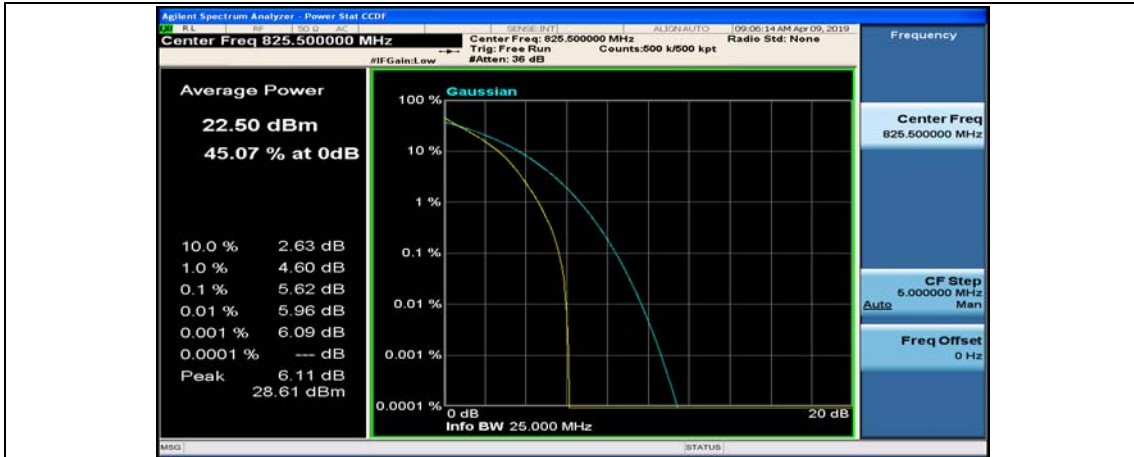


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

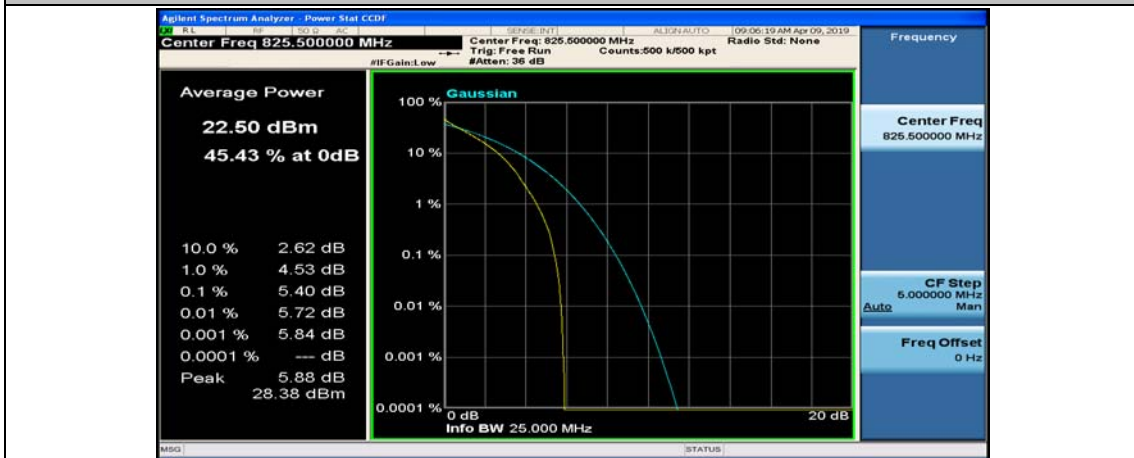


Channel Bandwidth: 3 MHz





(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



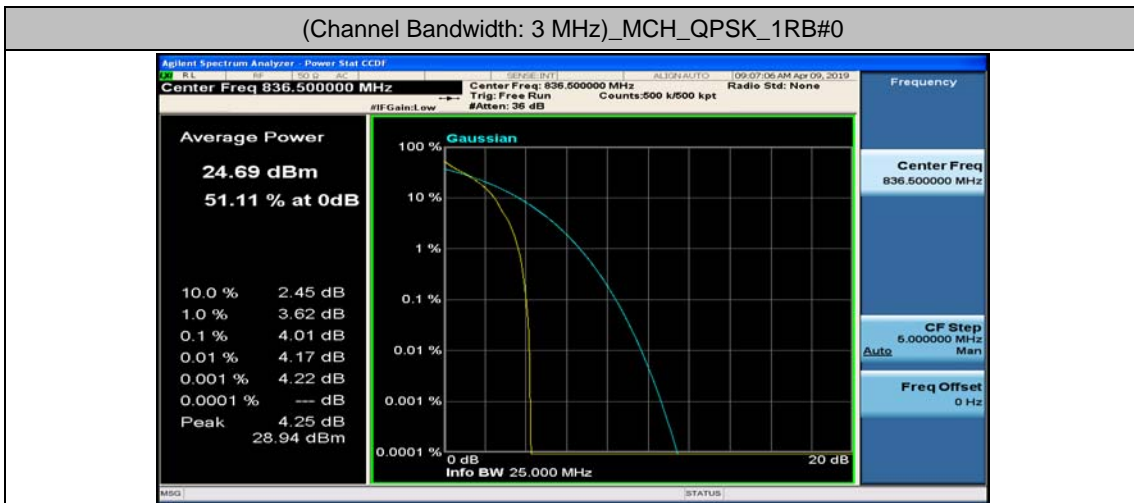
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



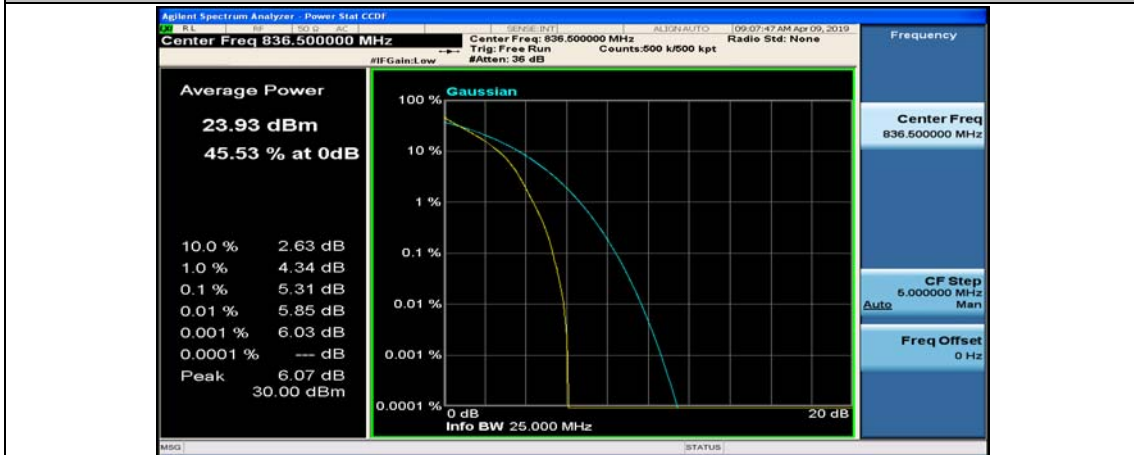
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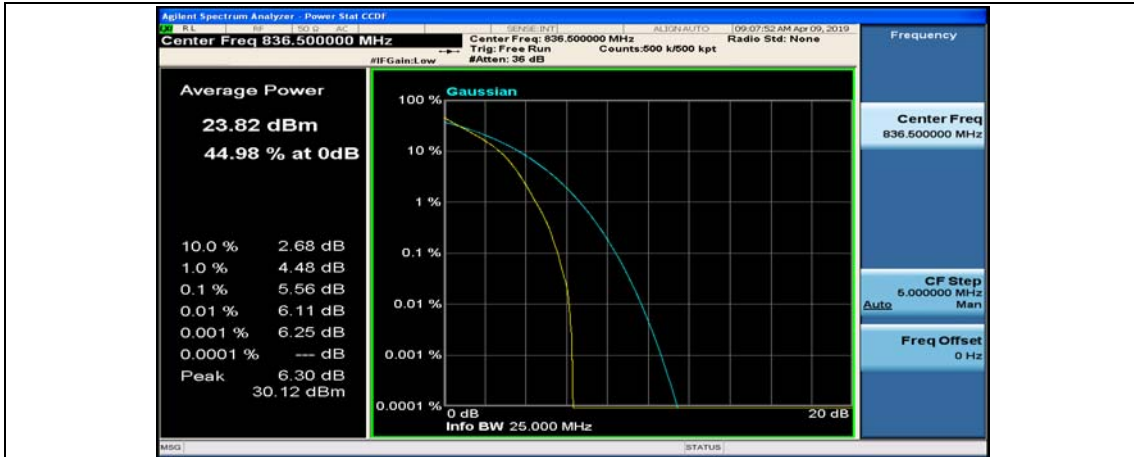
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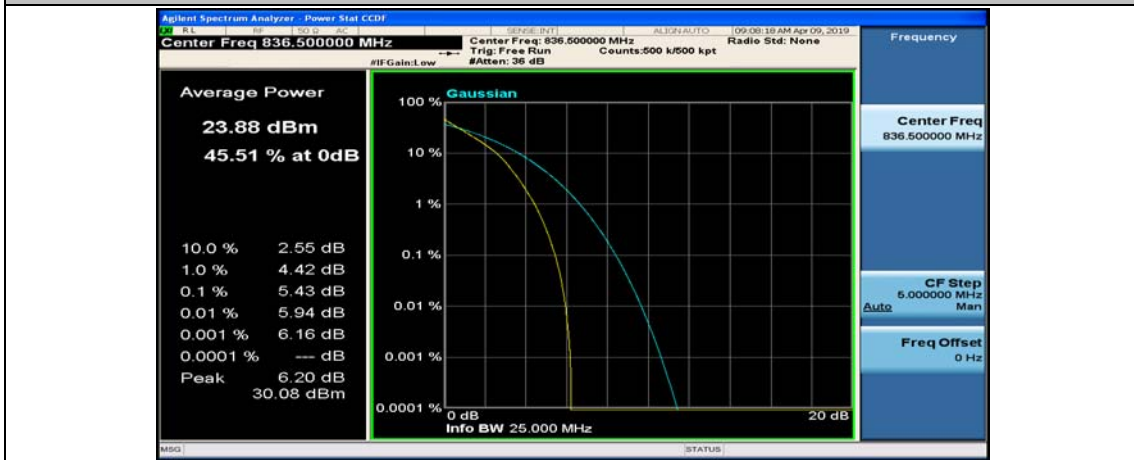
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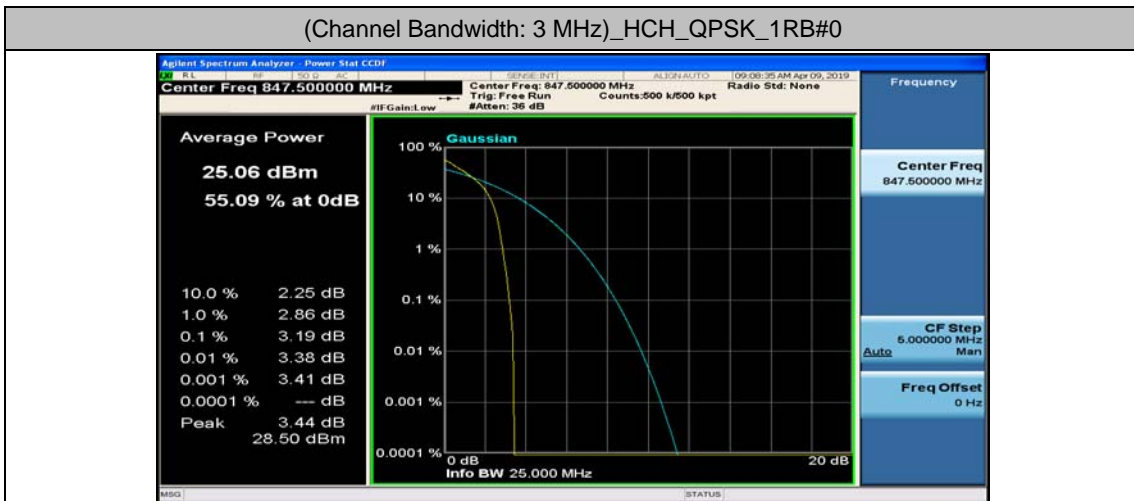
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(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



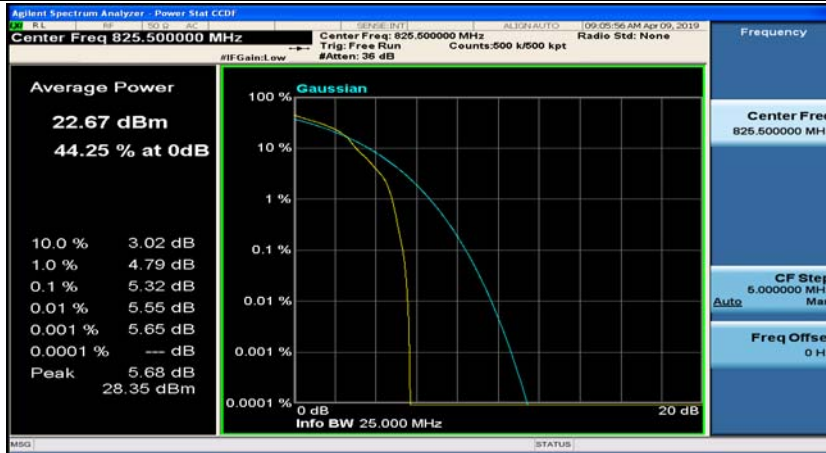
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



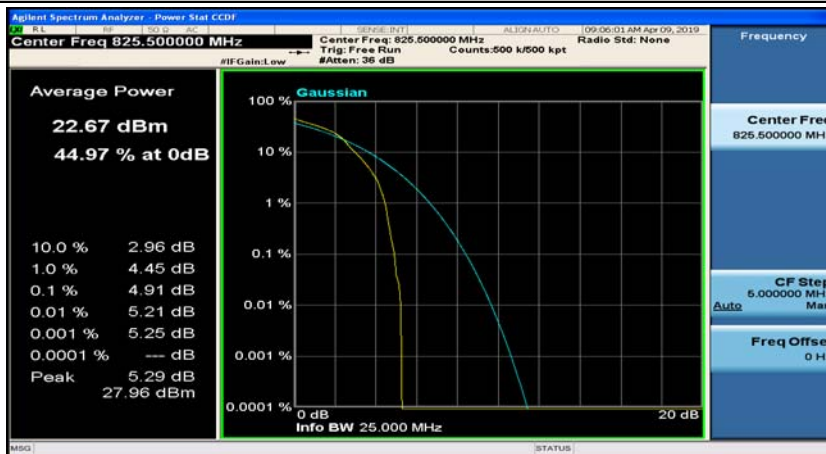
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



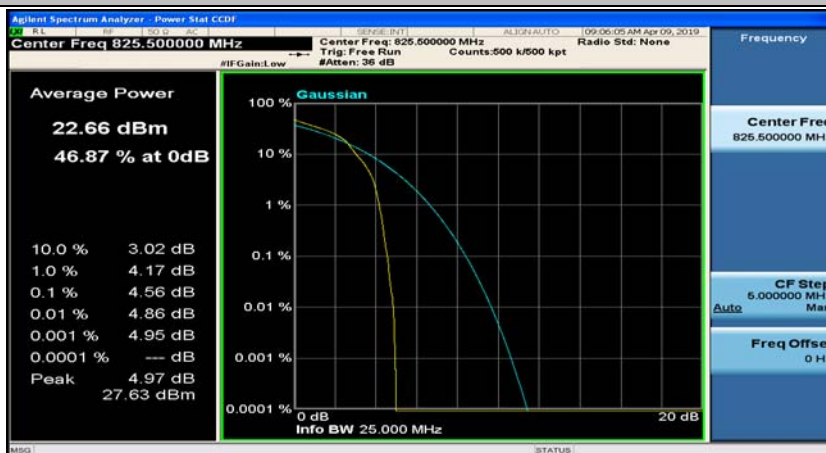
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



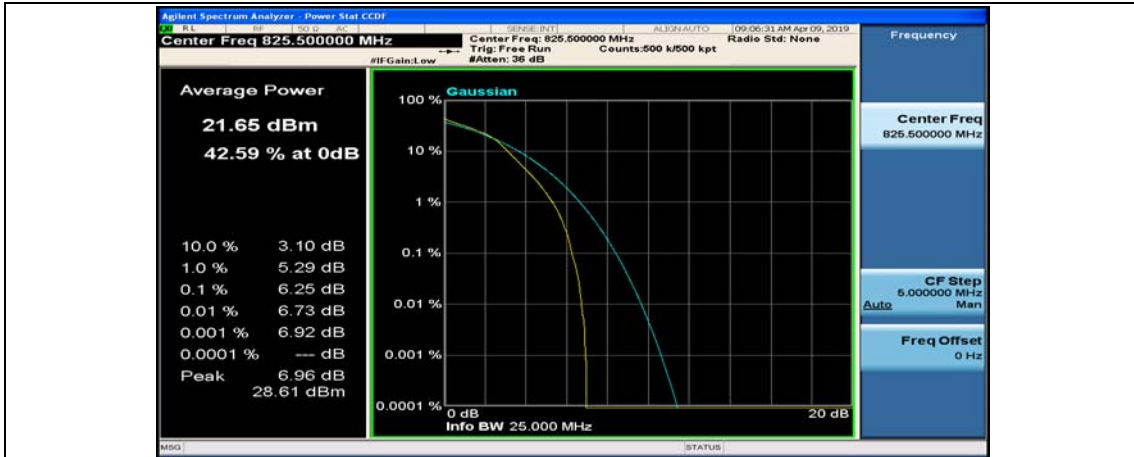
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



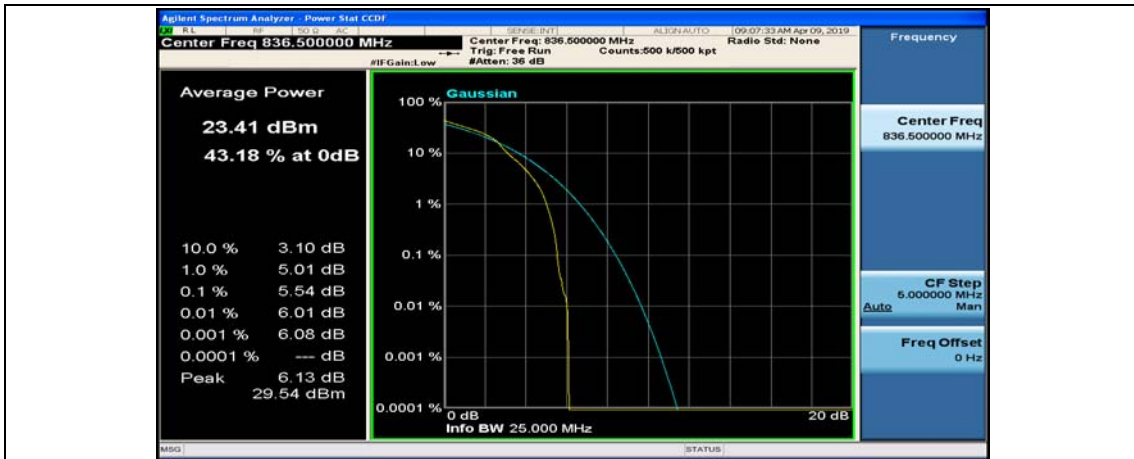
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



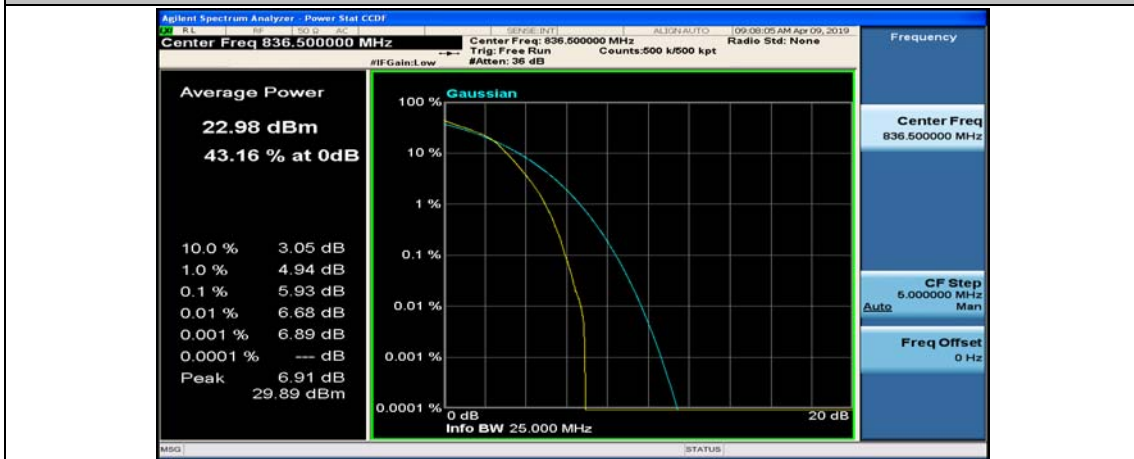
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



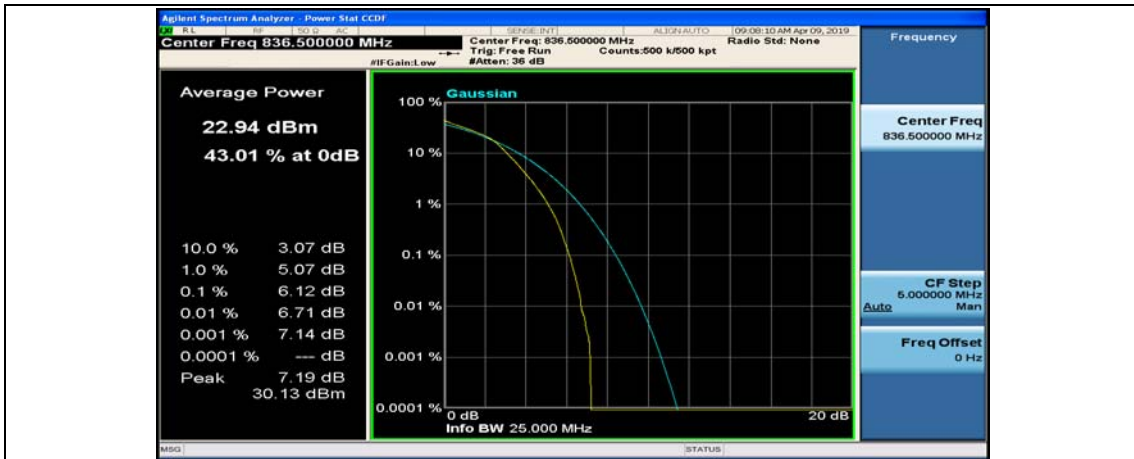
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



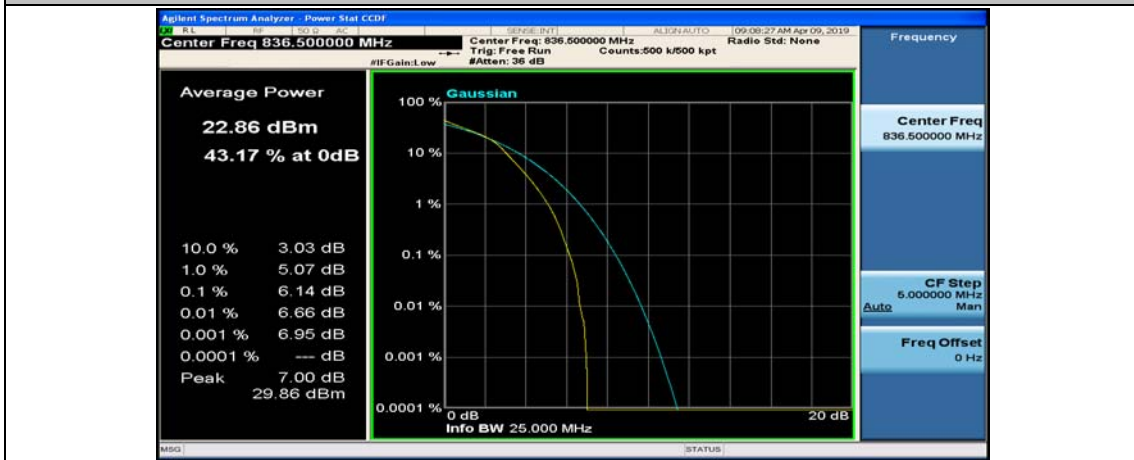
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



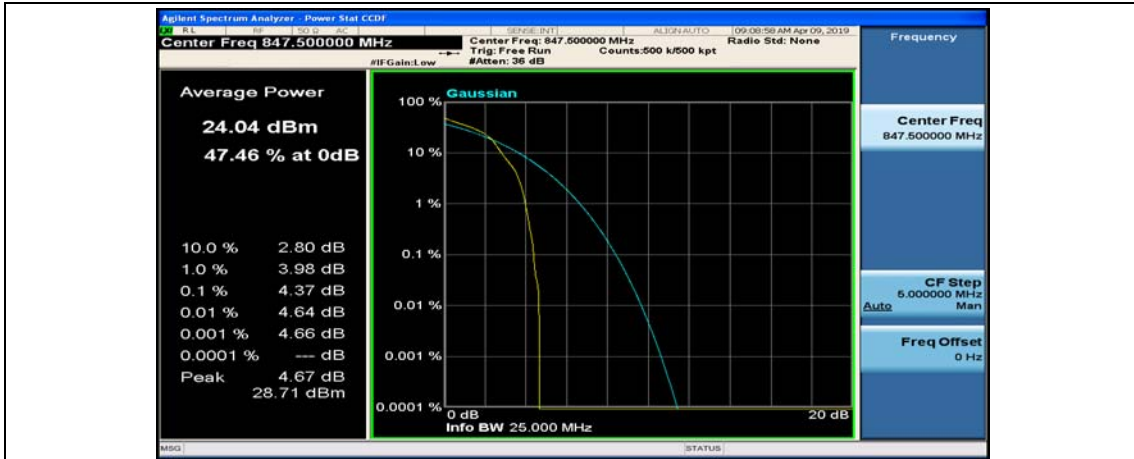
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



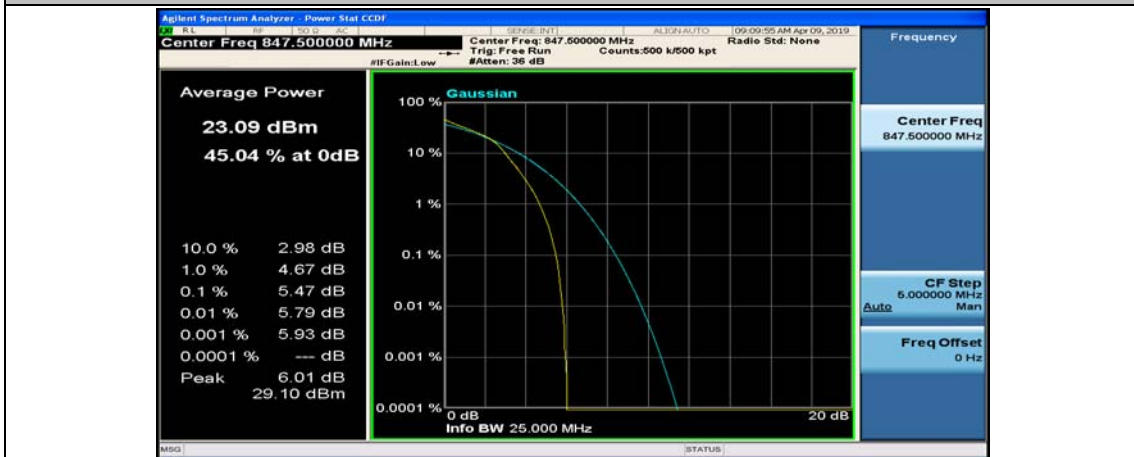
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



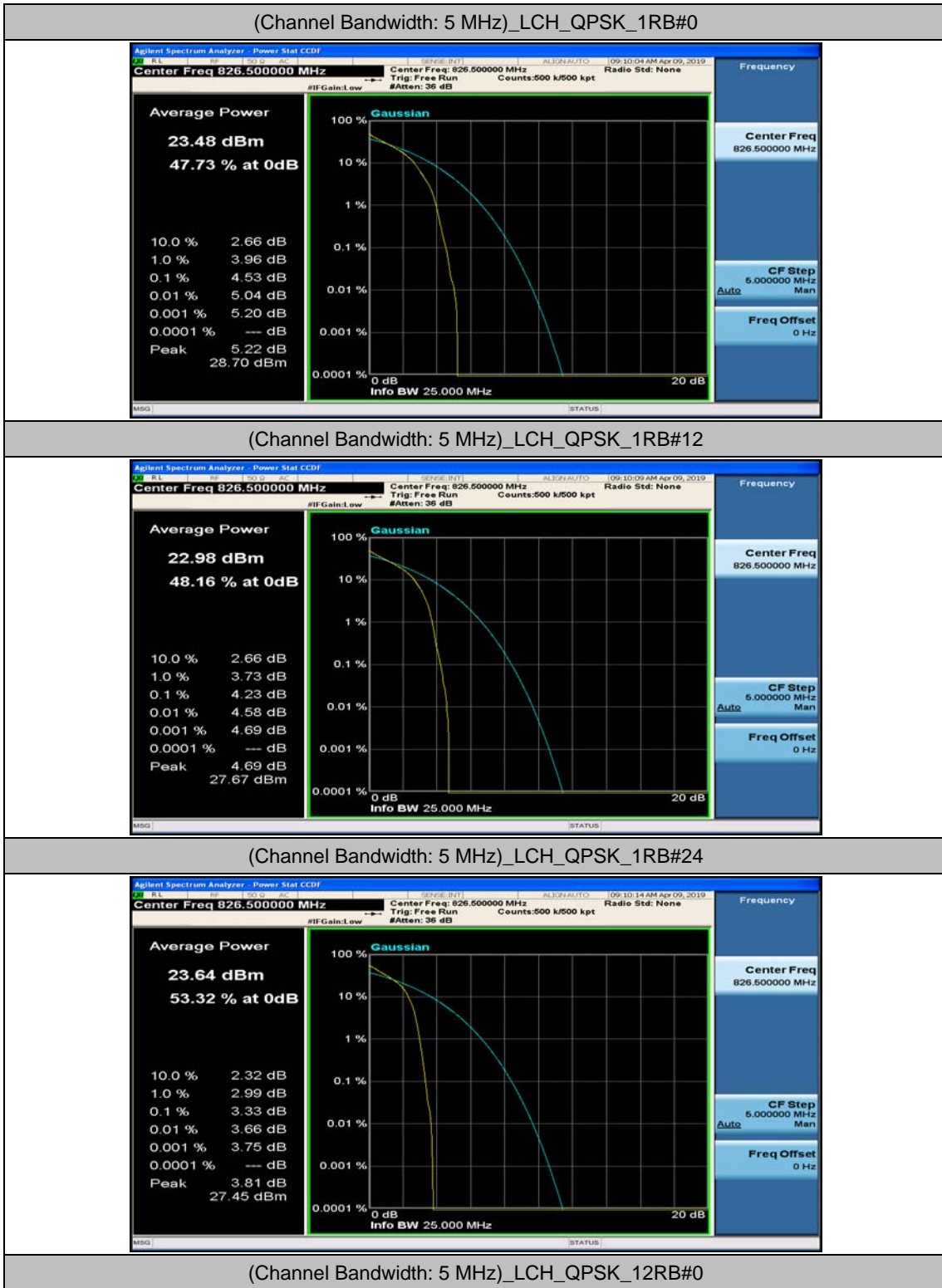
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(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



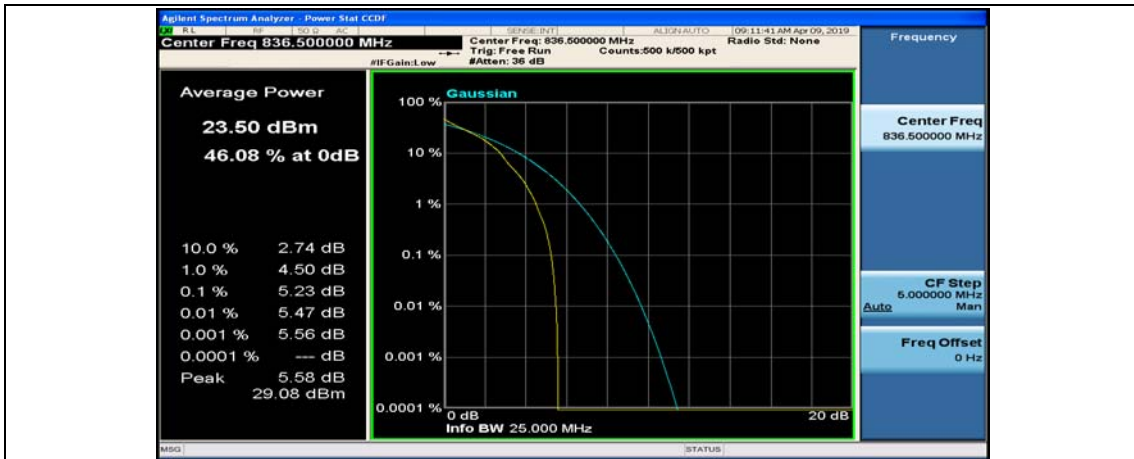
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(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



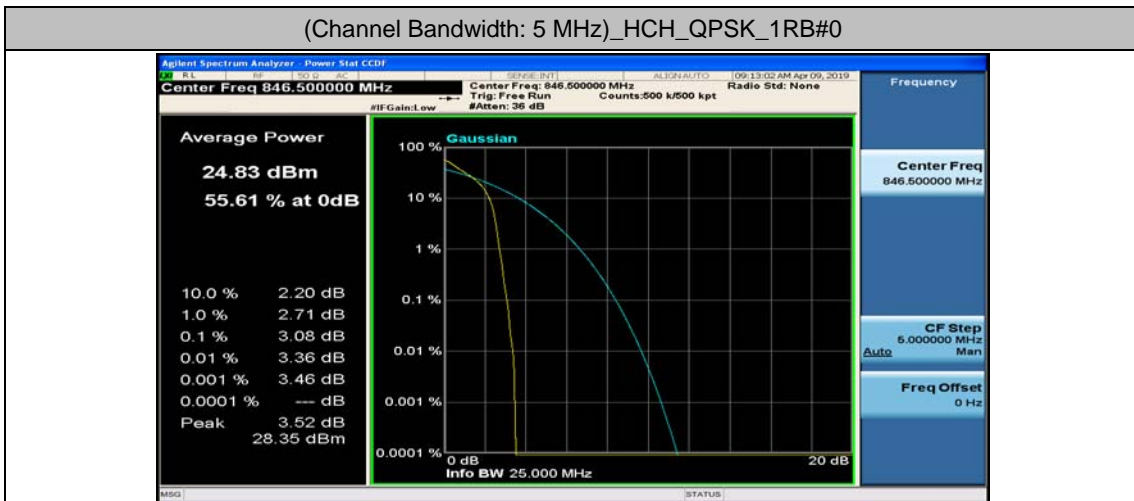
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(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



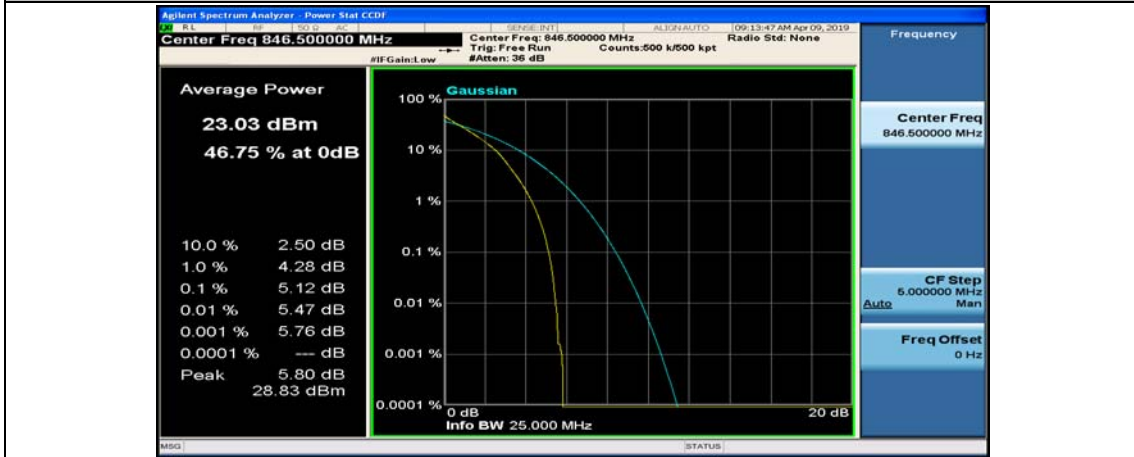
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



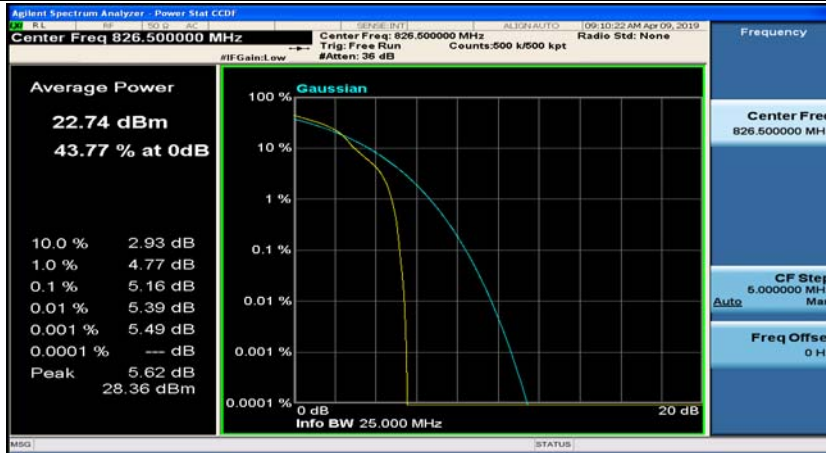
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



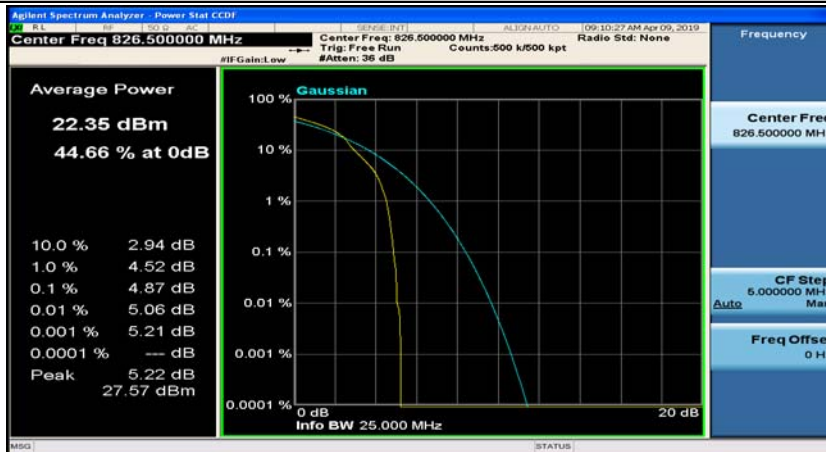
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



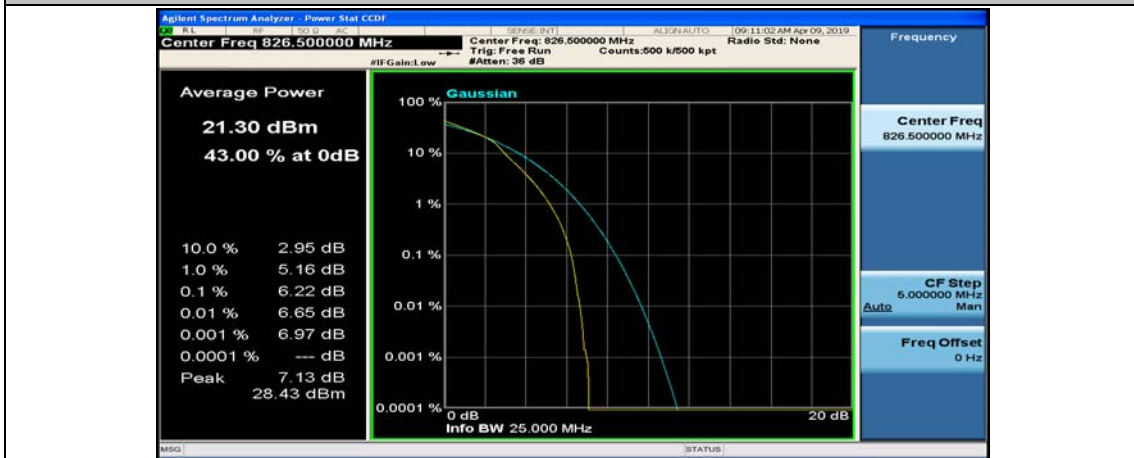
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



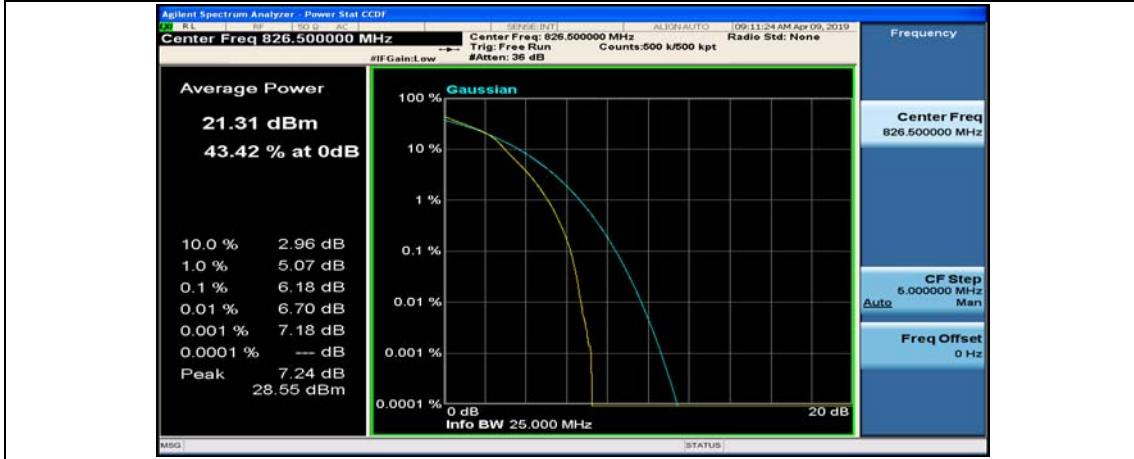
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



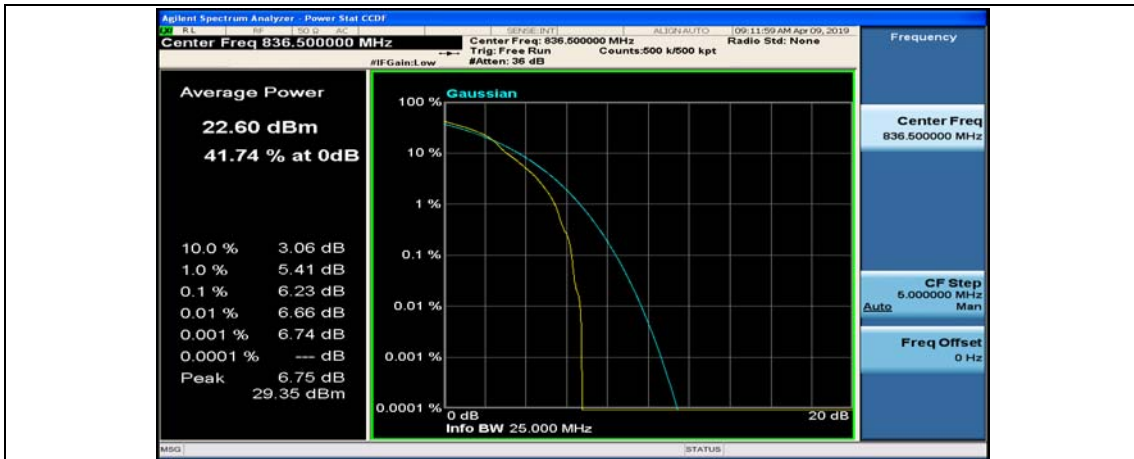
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(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