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	22.77	PASS
		1	3	22.93	PASS
		1	5	22.81	PASS
		3	0	22.34	PASS
		3	2	22.37	PASS
		3	3	22.34	PASS
		6	0	21.78	PASS
	MCH	1	0	22.84	PASS
		1	3	23.03	PASS
		1	5	22.91	PASS
		3	0	22.34	PASS
		3	2	22.33	PASS
		3	3	22.32	PASS
		6	0	21.84	PASS
	HCH	1	0	23.03	PASS
		1	3	23.17	PASS
		1	5	23.04	PASS
		3	0	22.14	PASS
		3	2	22.19	PASS
		3	3	22.16	PASS
		6	0	22.07	PASS
16QAM	LCH	1	0	22.06	PASS
		1	3	22.22	PASS
		1	5	22.05	PASS
		3	0	22.01	PASS
		3	2	21.99	PASS
		3	3	21.93	PASS
		6	0	20.78	PASS
	MCH	1	0	22.31	PASS
		1	3	22.44	PASS
		1	5	22.28	PASS
		3	0	21.95	PASS
		3	2	21.99	PASS

				3	3	21.97	PASS
		6	0	20.84	PASS
	HCH	1	0	22.33	PASS
		1	3	22.43	PASS
		1	5	22.36	PASS
		3	0	22.19	PASS
		3	2	22.21	PASS
		3	3	22.22	PASS
		6	0	21.14	PASS

Channel Bandwidth: 3 MHz

| Modulation | Channel | RB Configuration | | Average Power [dBm] | Verdict |
		Size	Offset		
QPSK	LCH	1	0	22.75	PASS
		1	7	23.06	PASS
		1	14	22.83	PASS
		8	0	21.77	PASS
		8	4	21.82	PASS
		8	7	21.79	PASS
		15	0	21.77	PASS
	MCH	1	0	22.87	PASS
		1	7	23.10	PASS
		1	14	22.83	PASS
		8	0	21.85	PASS
		8	4	21.89	PASS
		8	7	21.83	PASS
		15	0	21.79	PASS
	HCH	1	0	23.08	PASS
		1	7	23.17	PASS
		1	14	23.08	PASS
		8	0	22.00	PASS
		8	4	22.06	PASS
		8	7	21.98	PASS
		15	0	22.04	PASS
16QAM	LCH	1	0	22.06	PASS
		1	7	22.34	PASS
		1	14	22.18	PASS
		8	0	20.86	PASS
		8	4	20.93	PASS
		8	7	20.86	PASS
		15	0	20.77	PASS
	MCH	1	0	22.38	PASS

		1	7	22.47	PASS
		1	14	22.30	PASS
		8	0	20.90	PASS
		8	4	20.89	PASS
		8	7	20.85	PASS
		15	0	20.84	PASS
	HCH	1	0	22.41	PASS
		1	7	22.48	PASS
		1	14	22.39	PASS
		8	0	20.98	PASS
		8	4	21.06	PASS
		8	7	21.01	PASS
		15	0	21.03	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.73	PASS
		1	12	22.95	PASS
		1	24	22.83	PASS
		12	0	21.74	PASS
		12	6	21.88	PASS
		12	13	21.81	PASS
		25	0	21.81	PASS
	MCH	1	0	22.80	PASS
		1	12	22.91	PASS
		1	24	22.79	PASS
		12	0	21.87	PASS
		12	6	21.91	PASS
		12	13	21.82	PASS
		25	0	21.85	PASS
	HCH	1	0	22.97	PASS
		1	12	23.39	PASS
		1	24	23.06	PASS
		12	0	21.97	PASS
		12	6	22.05	PASS
		12	13	21.92	PASS
		25	0	22.00	PASS
16QAM	LCH	1	0	22.08	PASS
		1	12	22.40	PASS
		1	24	22.09	PASS
		12	0	20.89	PASS

12	6	20.94	PASS
12	13	20.91	PASS
25	0	20.86	PASS

MCH:

1	0	22.09	PASS
1	12	22.47	PASS
1	24	22.11	PASS
12	0	20.98	PASS
12	6	21.04	PASS
12	13	21.01	PASS
25	0	20.89	PASS

HCH:

1	0	22.22	PASS
1	12	22.39	PASS
1	24	22.20	PASS
12	0	20.96	PASS
12	6	21.05	PASS
12	13	20.95	PASS
25	0	21.06	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.80	PASS
		1	24	23.45	PASS
		1	49	22.85	PASS
		25	0	22.44	PASS
		25	12	22.46	PASS
		25	25	22.36	PASS
		50	0	22.31	PASS
	MCH	1	0	22.86	PASS
		1	24	23.35	PASS
		1	49	22.87	PASS
		25	0	21.93	PASS
		25	12	21.91	PASS
		25	25	21.89	PASS
		50	0	21.82	PASS
	HCH	1	0	22.92	PASS
		1	24	23.38	PASS
		1	49	23.07	PASS
		25	0	22.06	PASS
		25	12	22.05	PASS
		25	25	22.07	PASS
		50	0	22.05	PASS

16QAM	LCH	1	0	22.15	PASS
		1	24	22.33	PASS
		1	49	22.16	PASS
		25	0	20.99	PASS
		25	12	20.91	PASS
		25	25	20.97	PASS
		50	0	20.92	PASS
	MCH	1	0	22.37	PASS
		1	24	22.42	PASS
		1	49	22.35	PASS
		25	0	20.97	PASS
		25	12	20.99	PASS
		25	25	20.94	PASS
		50	0	20.96	PASS
	HCH	1	0	22.27	PASS
		1	24	22.31	PASS
		1	49	22.41	PASS
		25	0	21.14	PASS
		25	12	21.06	PASS
		25	25	21.13	PASS
		50	0	21.15	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	Limit	Verdict
		Size	Offset	(dB)	(dB)	
QPSK	LCH	1	0	5.05	<13	PASS
		1	3	5.12	<13	PASS
		1	5	5.29	<13	PASS
		3	0	5.4	<13	PASS
		3	2	5.38	<13	PASS
		3	3	5.42	<13	PASS
		6	0	5.65	<13	PASS
	MCH	1	0	5.51	<13	PASS
		1	3	5.52	<13	PASS
		1	5	5.6	<13	PASS
		3	0	5.65	<13	PASS
		3	2	5.61	<13	PASS
		3	3	5.7	<13	PASS
		6	0	5.77	<13	PASS
	HCH	1	0	5.5	<13	PASS
		1	3	5.26	<13	PASS
		1	5	5.17	<13	PASS
		3	0	5.38	<13	PASS
		3	2	5.33	<13	PASS
		3	3	5.31	<13	PASS
		6	0	5.69	<13	PASS
16QAM	LCH	1	0	6.46	<13	PASS
		1	3	6.38	<13	PASS
		1	5	6.39	<13	PASS
		3	0	6.44	<13	PASS
		3	2	6.44	<13	PASS
		3	3	6.45	<13	PASS
		6	0	6.54	<13	PASS
	MCH	1	0	6.56	<13	PASS
		1	3	6.61	<13	PASS
		1	5	6.59	<13	PASS
		3	0	6.49	<13	PASS

		3	2	6.42	<13	PASS
		3	3	6.39	<13	PASS
		6	0	6.79	<13	PASS
	HCH	1	0	6.3	<13	PASS
		1	3	6.12	<13	PASS
		1	5	6.3	<13	PASS
		3	0	6.47	<13	PASS
		3	2	6.34	<13	PASS
		3	3	6.39	<13	PASS
		6	0	6.69	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.42	<13	PASS
		1	7	5.41	<13	PASS
		1	14	5.49	<13	PASS
		8	0	5.79	<13	PASS
		8	4	5.8	<13	PASS
		8	7	5.82	<13	PASS
		15	0	5.74	<13	PASS
	MCH	1	0	5.25	<13	PASS
		1	7	5.3	<13	PASS
		1	14	5.29	<13	PASS
		8	0	5.85	<13	PASS
		8	4	5.76	<13	PASS
		8	7	5.85	<13	PASS
		15	0	5.95	<13	PASS
	HCH	1	0	5.42	<13	PASS
		1	7	5.29	<13	PASS
		1	14	5.25	<13	PASS
		8	0	5.8	<13	PASS
		8	4	5.74	<13	PASS
		8	7	5.77	<13	PASS
		15	0	5.65	<13	PASS
16QAM	LCH	1	0	6.44	<13	PASS
		1	7	6.32	<13	PASS
		1	14	6.63	<13	PASS
		8	0	6.52	<13	PASS
		8	4	6.47	<13	PASS

		8	7	6.42	<13	PASS
		15	0	6.7	<13	PASS
	MCH	1	0	6.41	<13	PASS
		1	7	6.15	<13	PASS
		1	14	6.11	<13	PASS
		8	0	6.53	<13	PASS
		8	4	6.49	<13	PASS
		8	7	6.46	<13	PASS
		15	0	6.59	<13	PASS
	HCH	1	0	6.39	<13	PASS
		1	7	6.26	<13	PASS
		1	14	6.45	<13	PASS
		8	0	6.82	<13	PASS
		8	4	6.8	<13	PASS
		8	7	6.78	<13	PASS
		15	0	6.48	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.83	<13	PASS
		1	12	5.7	<13	PASS
		1	24	5.91	<13	PASS
		12	0	5.85	<13	PASS
		12	6	5.8	<13	PASS
		12	13	5.86	<13	PASS
		25	0	5.82	<13	PASS
	MCH	1	0	5.6	<13	PASS
		1	12	5.46	<13	PASS
		1	24	5.62	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.66	<13	PASS
		12	13	5.74	<13	PASS
		25	0	5.8	<13	PASS
	HCH	1	0	5.56	<13	PASS
		1	12	5.3	<13	PASS
		1	24	5.18	<13	PASS
		12	0	5.73	<13	PASS
		12	6	5.77	<13	PASS
		12	13	5.8	<13	PASS

		25	0	5.77	<13	PASS

Modulation	Channel	Size	Offset			
16QAM	LCH	1	0	6.42	<13	PASS
		1	12	6.45	<13	PASS
		1	24	6.57	<13	PASS
		12	0	6.69	<13	PASS
		12	6	6.71	<13	PASS
		12	13	6.7	<13	PASS
		25	0	6.47	<13	PASS
	MCH	1	0	6.52	<13	PASS
		1	12	6.48	<13	PASS
		1	24	6.62	<13	PASS
		12	0	6.56	<13	PASS
		12	6	6.53	<13	PASS
		12	13	6.58	<13	PASS
		25	0	6.64	<13	PASS
	HCH	1	0	6.45	<13	PASS
		1	12	6.12	<13	PASS
		1	24	6.21	<13	PASS
		12	0	6.62	<13	PASS
		12	6	6.52	<13	PASS
		12	13	6.53	<13	PASS
		25	0	6.47	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.5	<13	PASS
		1	24	5.51	<13	PASS
		1	49	5.48	<13	PASS
		25	0	5.85	<13	PASS
		25	12	5.84	<13	PASS
		25	25	5.86	<13	PASS
		50	0	5.81	<13	PASS
	MCH	1	0	5.38	<13	PASS
		1	24	5.26	<13	PASS
		1	49	5.23	<13	PASS
		25	0	5.85	<13	PASS
		25	12	5.84	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.82	<13	PASS

		1	0	5.51	<13	PASS
		1	24	5.37	<13	PASS
		1	49	5.38	<13	PASS
	HCH	25	0	5.75	<13	PASS
		25	12	5.74	<13	PASS
		25	25	5.64	<13	PASS
		50	0	5.82	<13	PASS
16QAM	LCH	1	0	6.27	<13	PASS
		1	24	6.51	<13	PASS
		1	49	6.64	<13	PASS
		25	0	6.67	<13	PASS
		25	12	6.71	<13	PASS
		25	25	6.71	<13	PASS
		50	0	6.54	<13	PASS
	MCH	1	0	6.35	<13	PASS
		1	24	6.32	<13	PASS
		1	49	6.39	<13	PASS
		25	0	6.68	<13	PASS
		25	12	6.6	<13	PASS
		25	25	6.68	<13	PASS
		50	0	6.55	<13	PASS
	HCH	1	0	6.74	<13	PASS
		1	24	6.44	<13	PASS
		1	49	6.33	<13	PASS
		25	0	6.72	<13	PASS
		25	12	6.67	<13	PASS
		25	25	6.53	<13	PASS
		50	0	6.54	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz

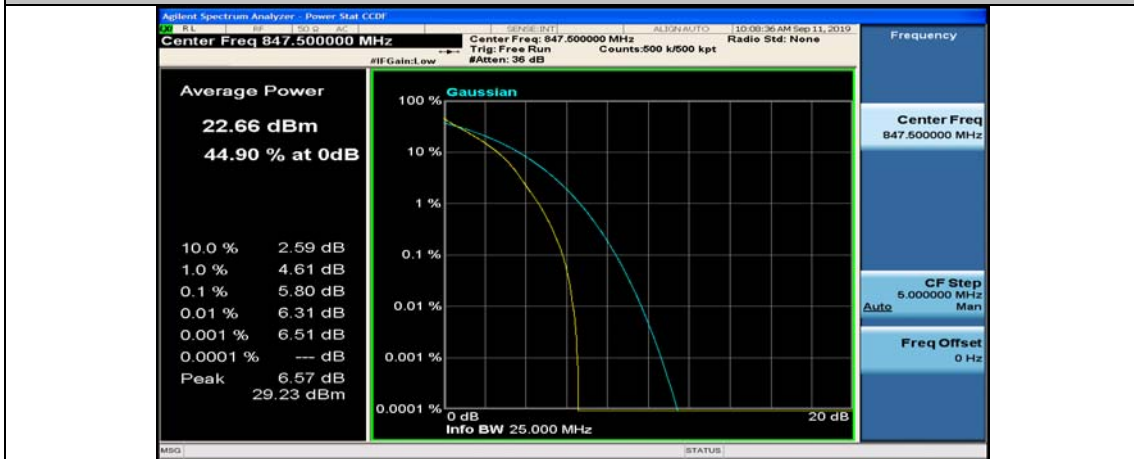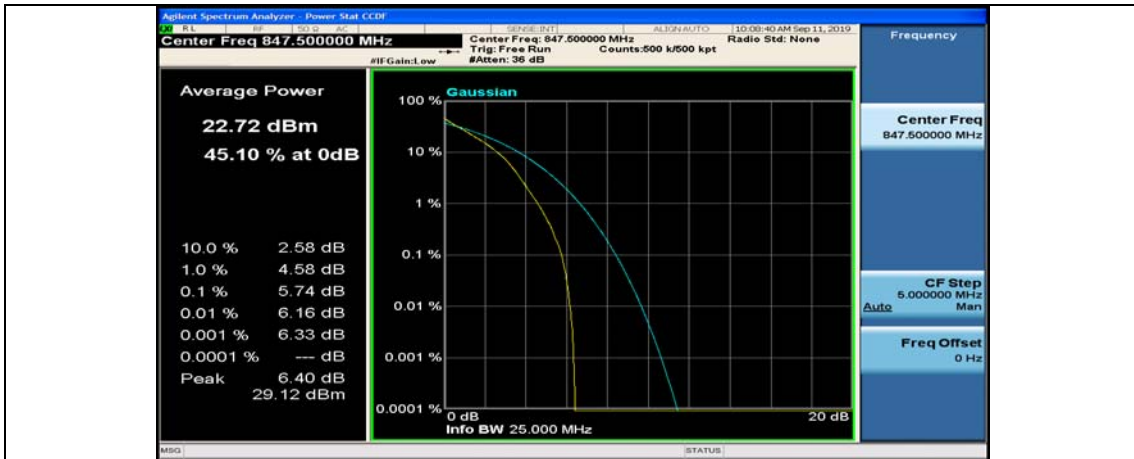| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0 |
|---|
| |
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3 |
| |
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5 |
| |
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0 |
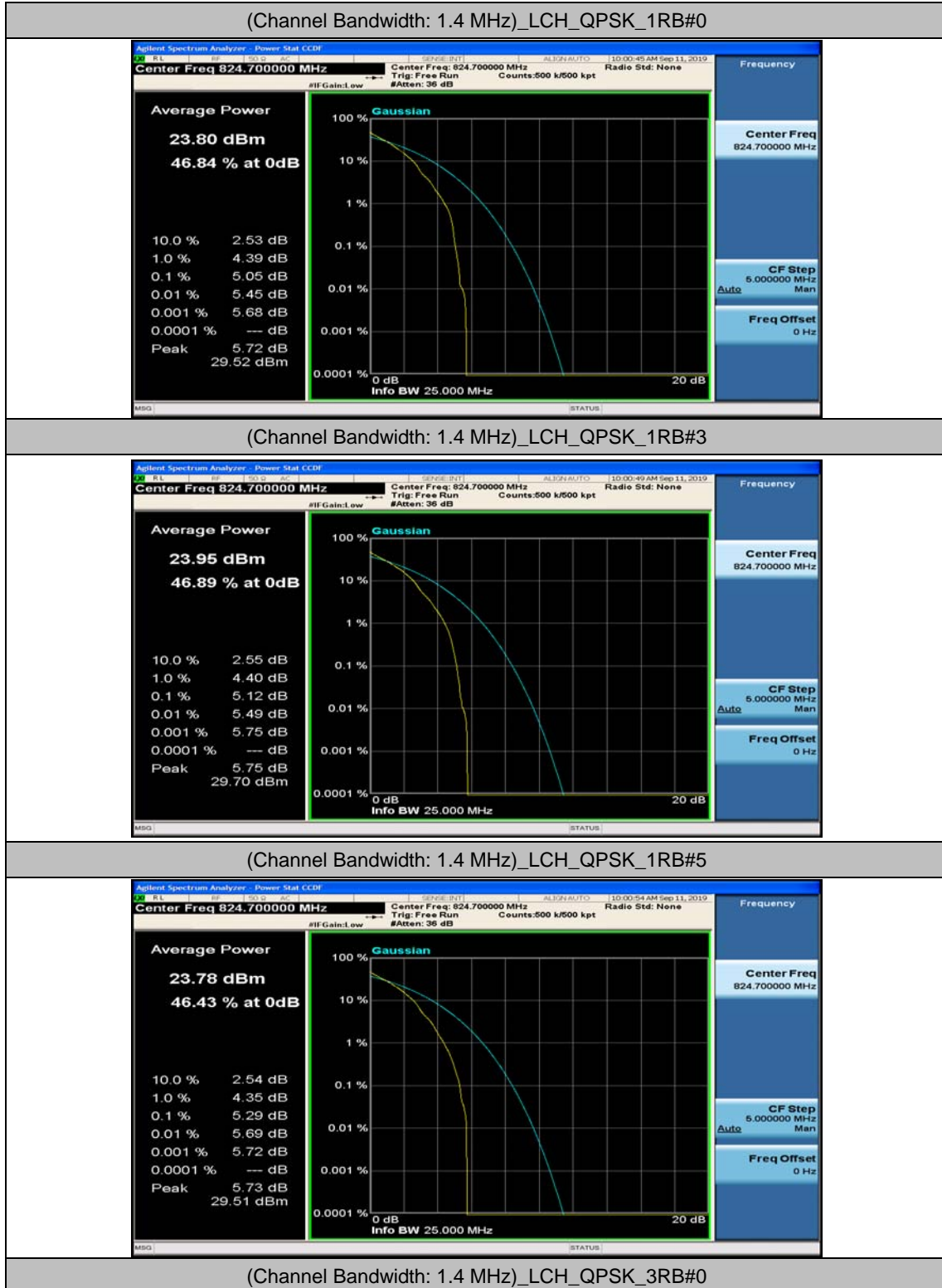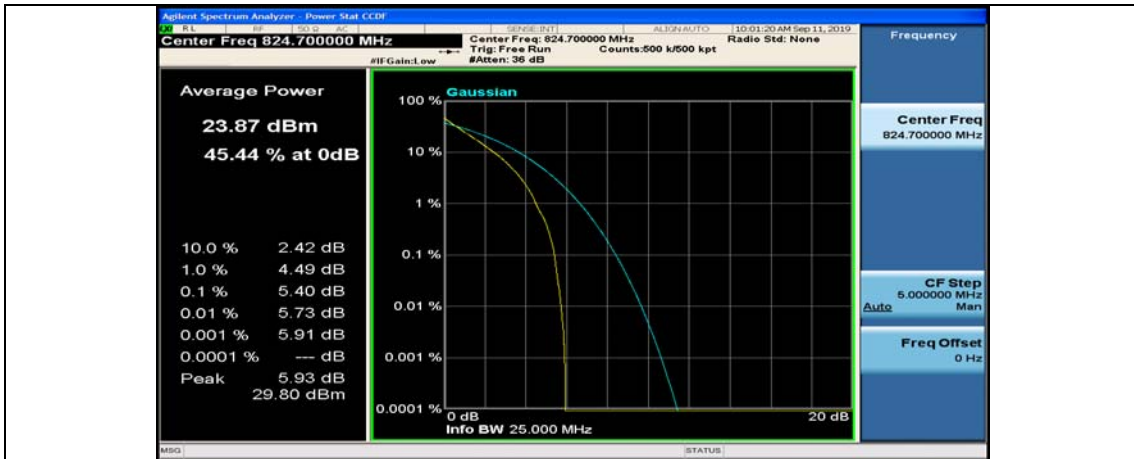
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2
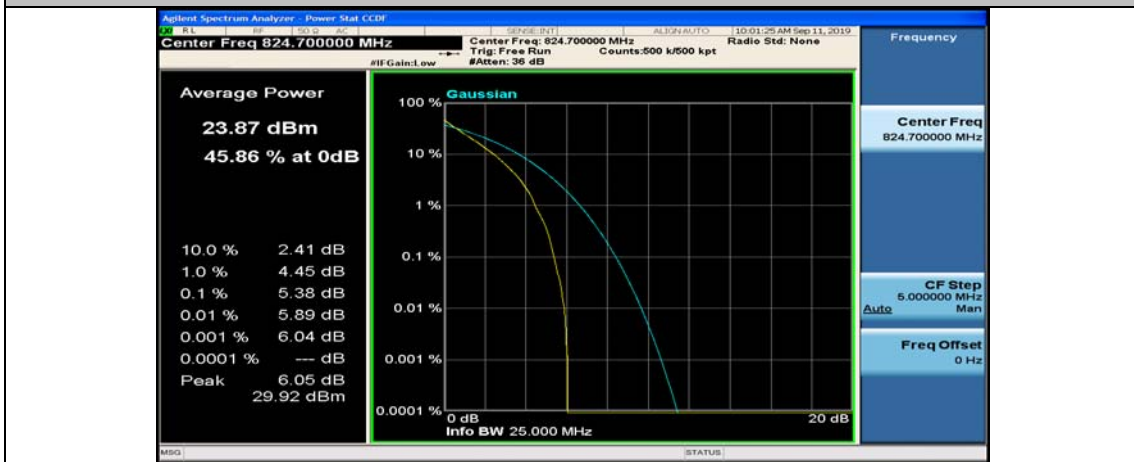
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3
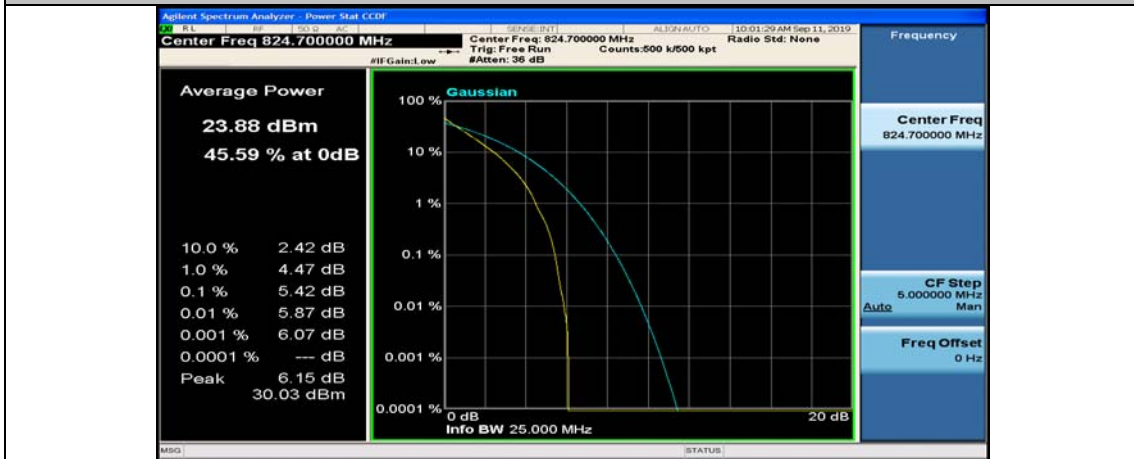
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0
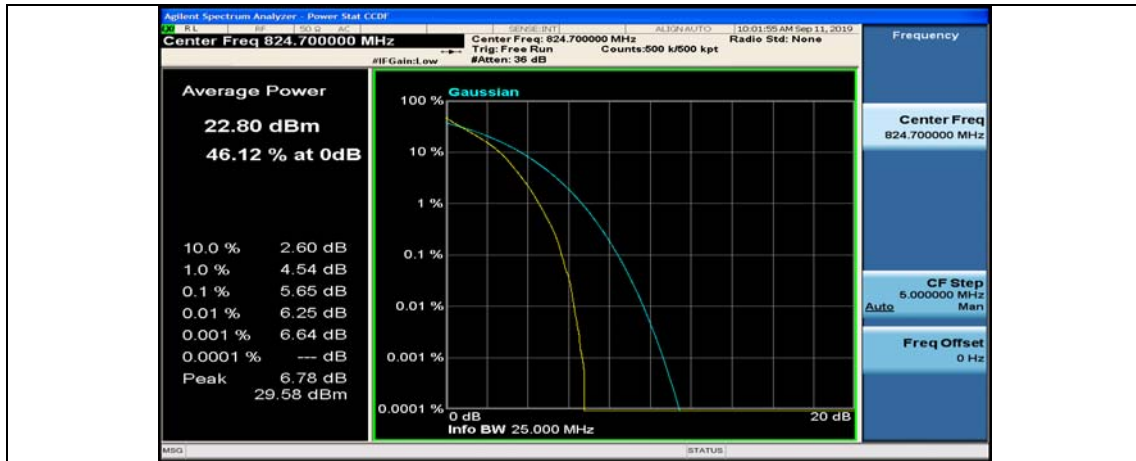
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5
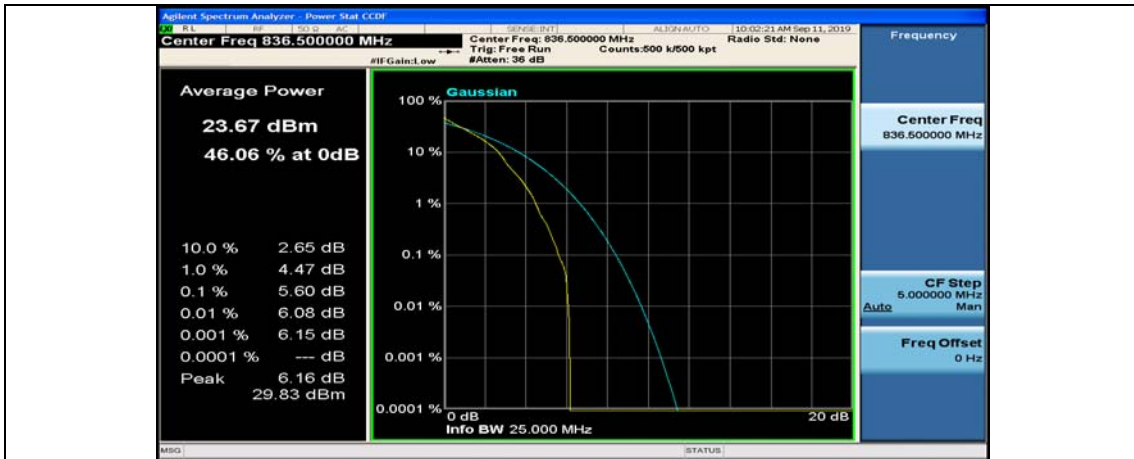
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0
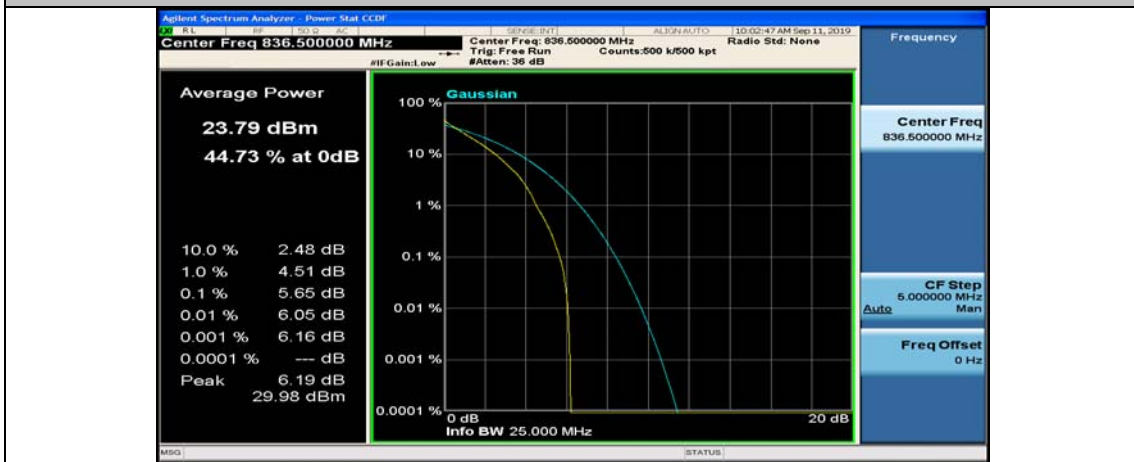
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2
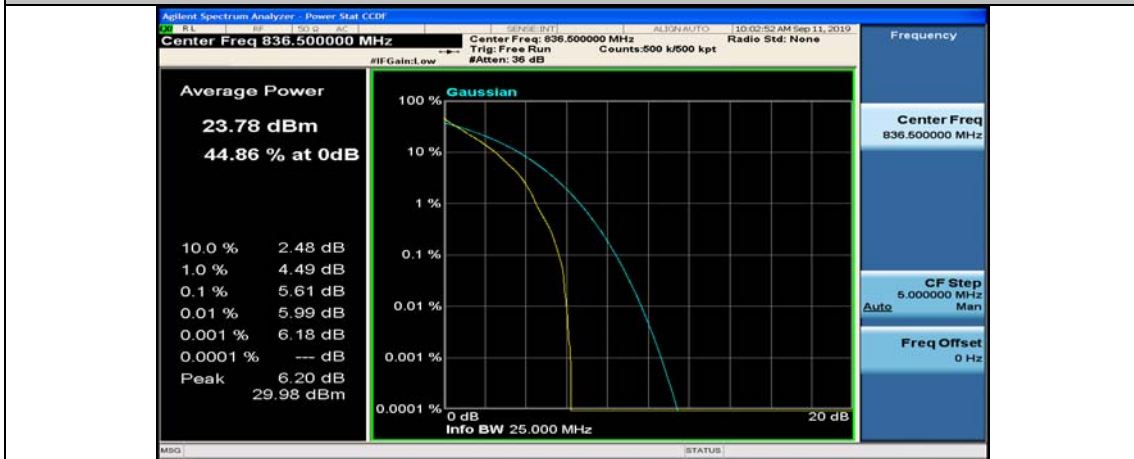
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3
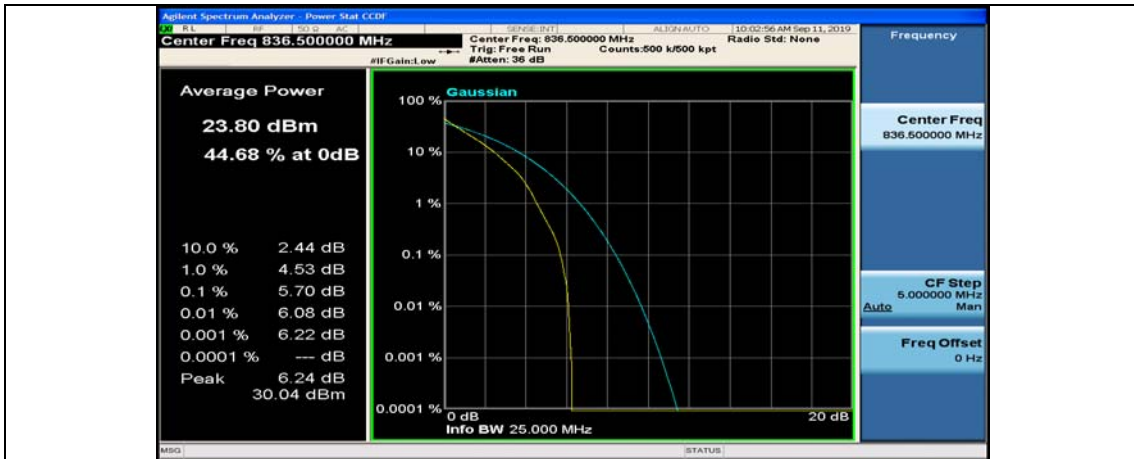
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0
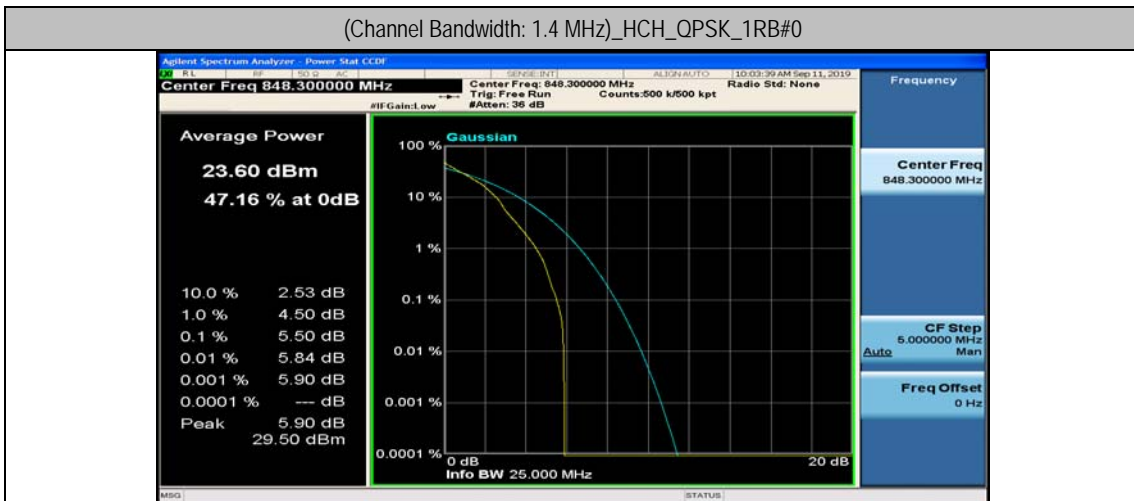
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5
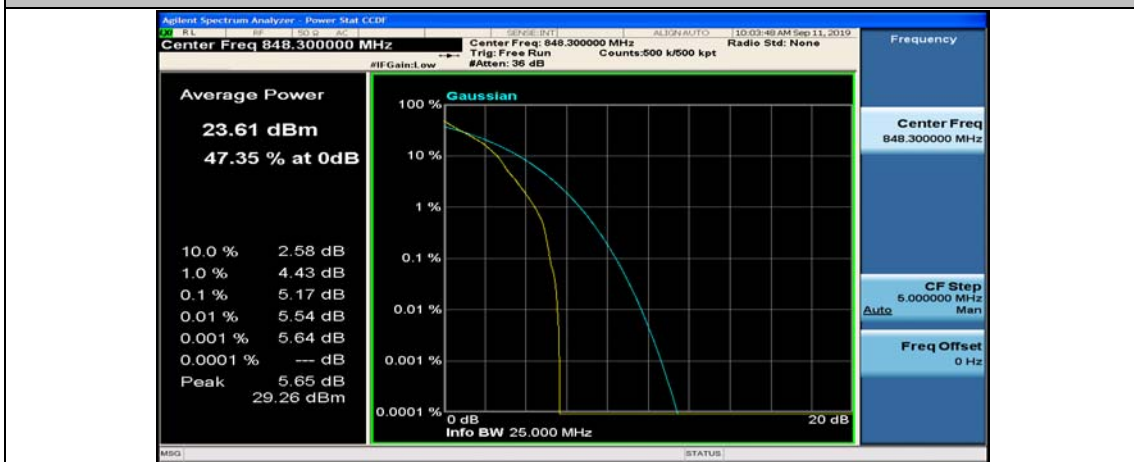
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0
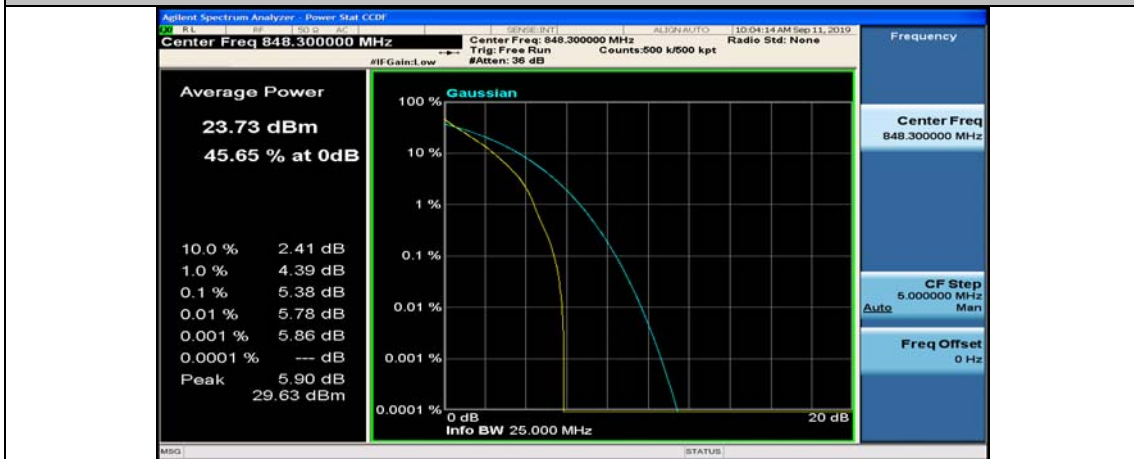
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2
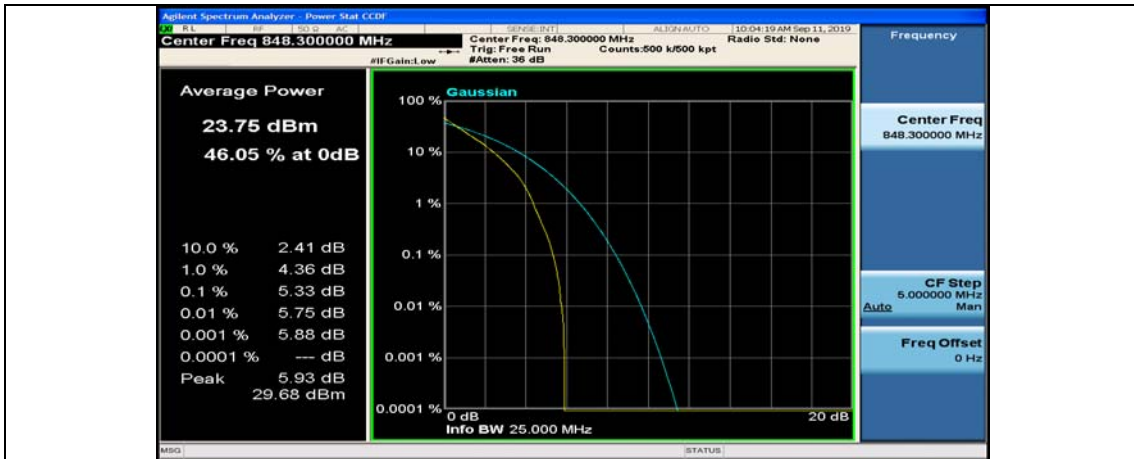
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0
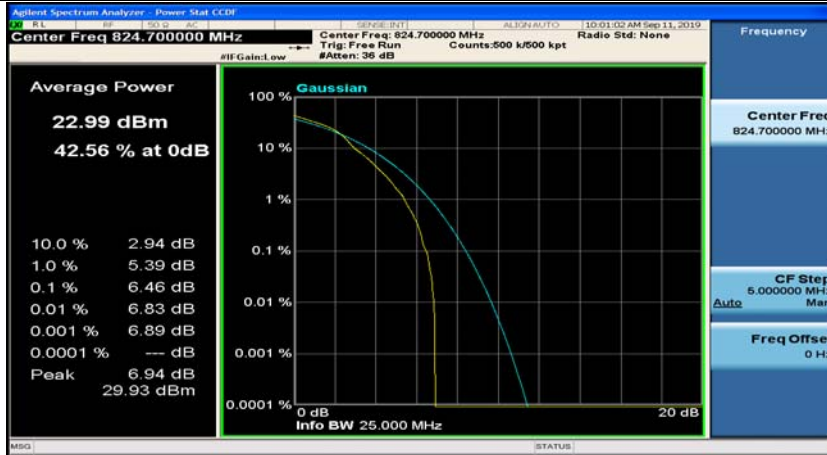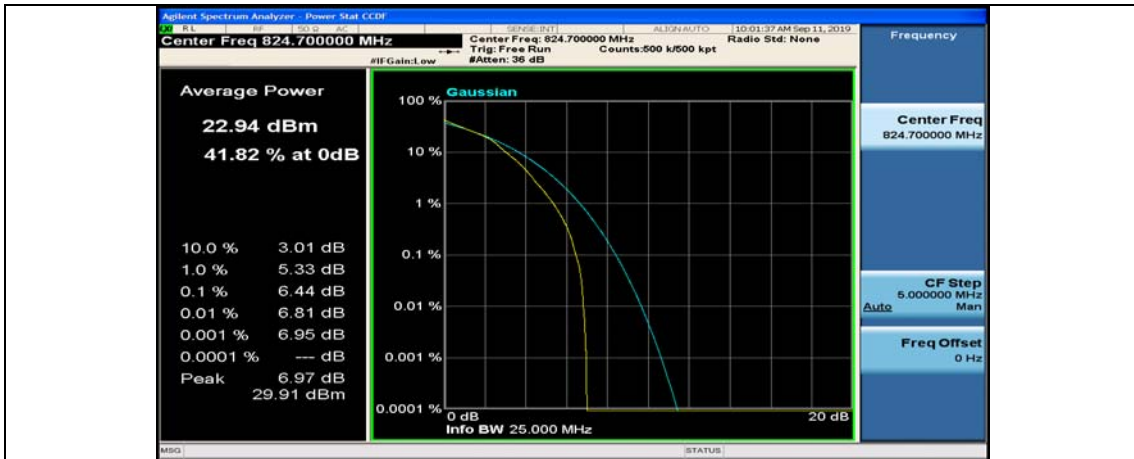
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2
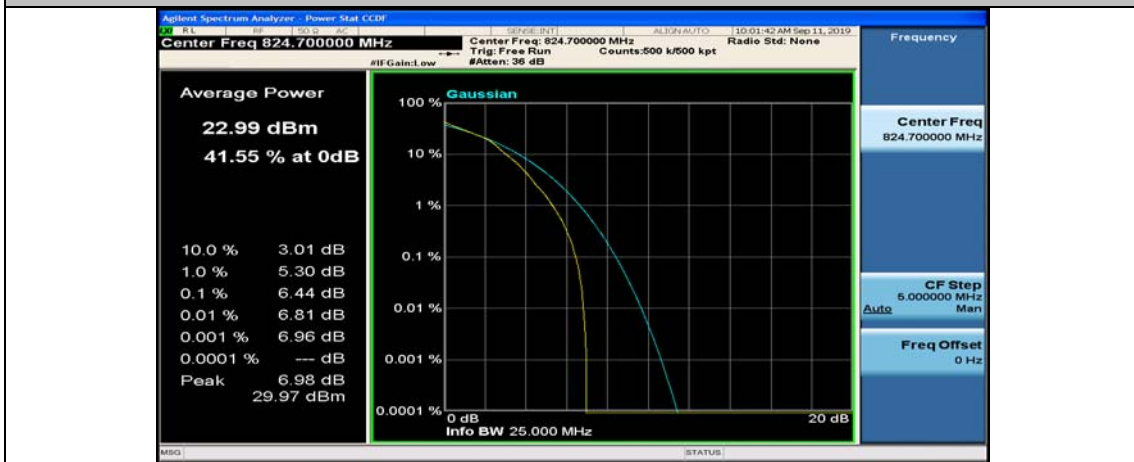
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3
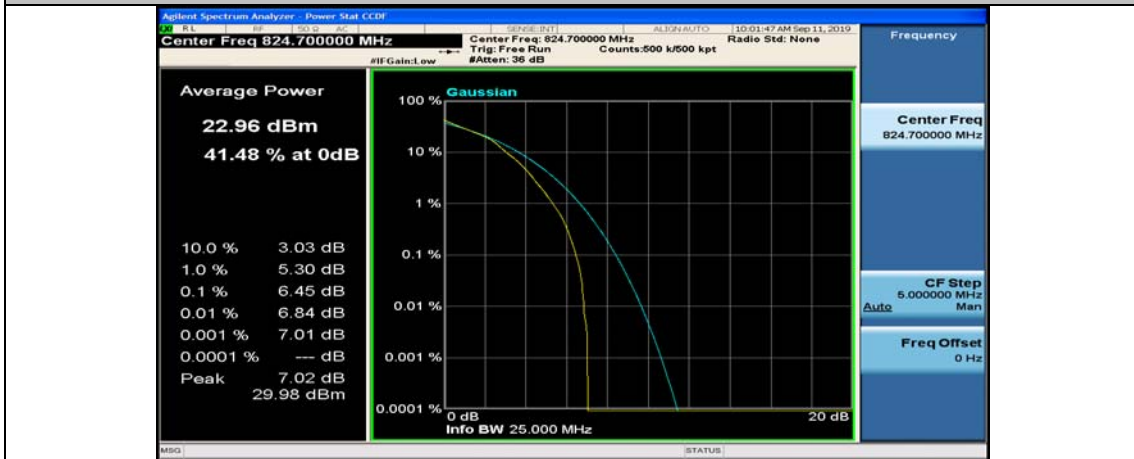

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0
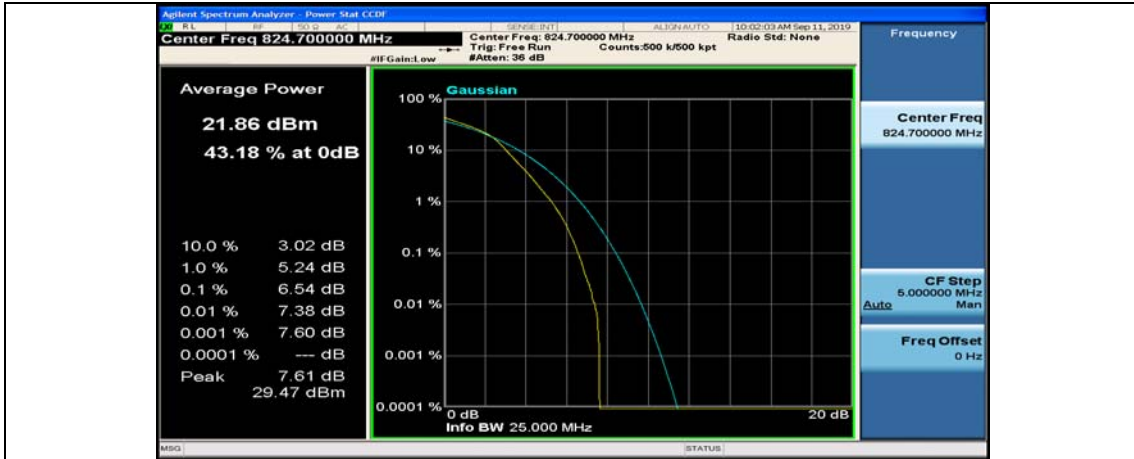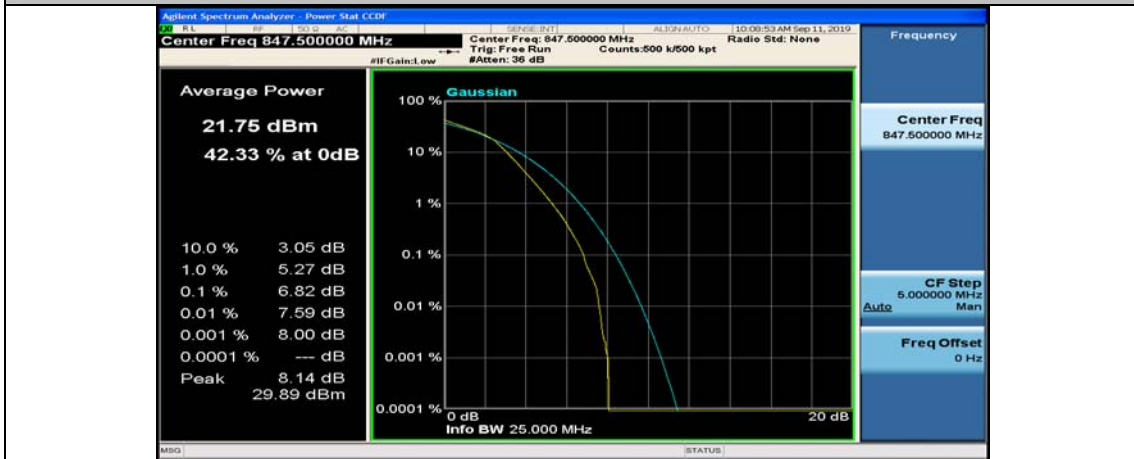
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0
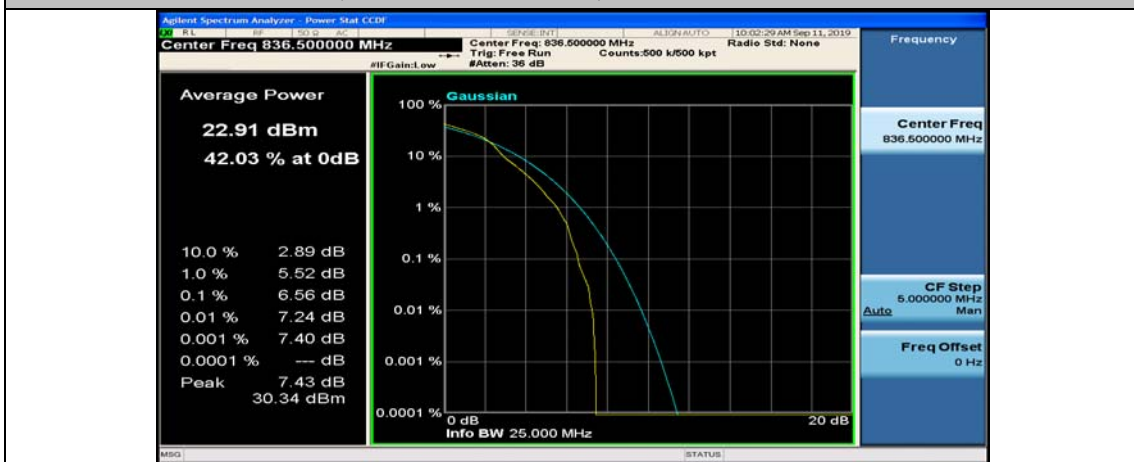
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

(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
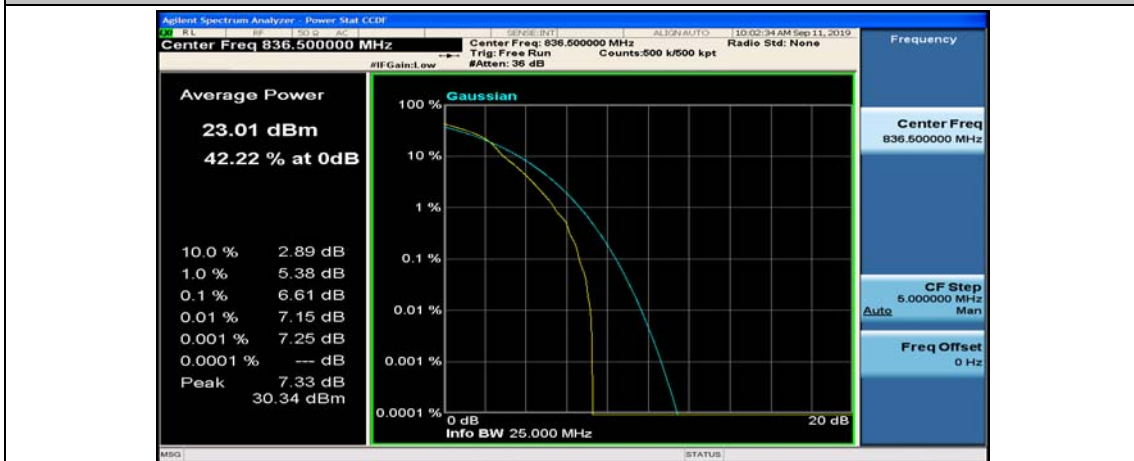
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3
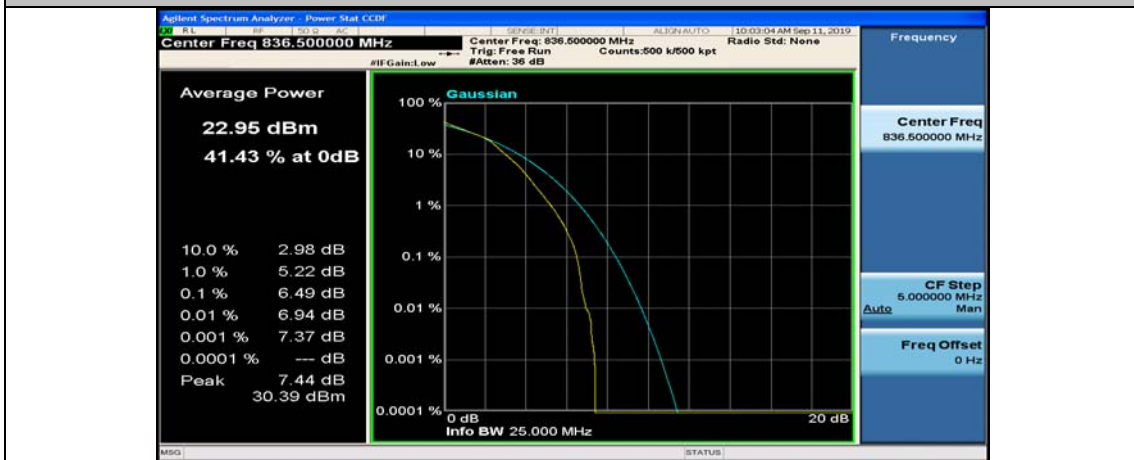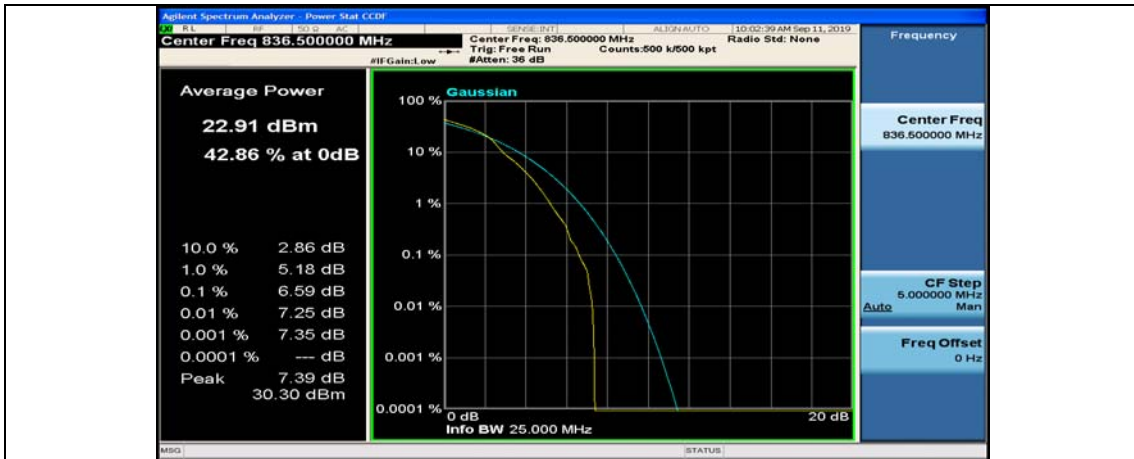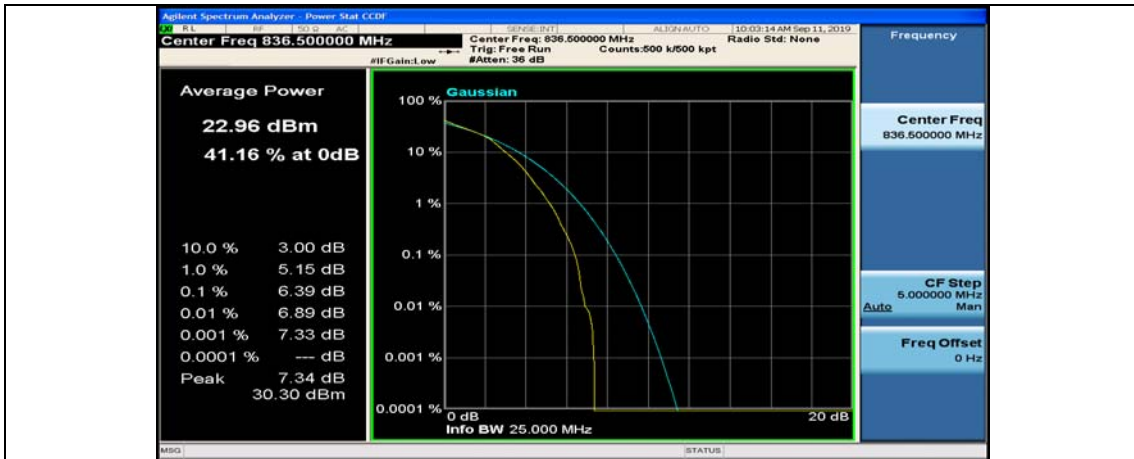
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0
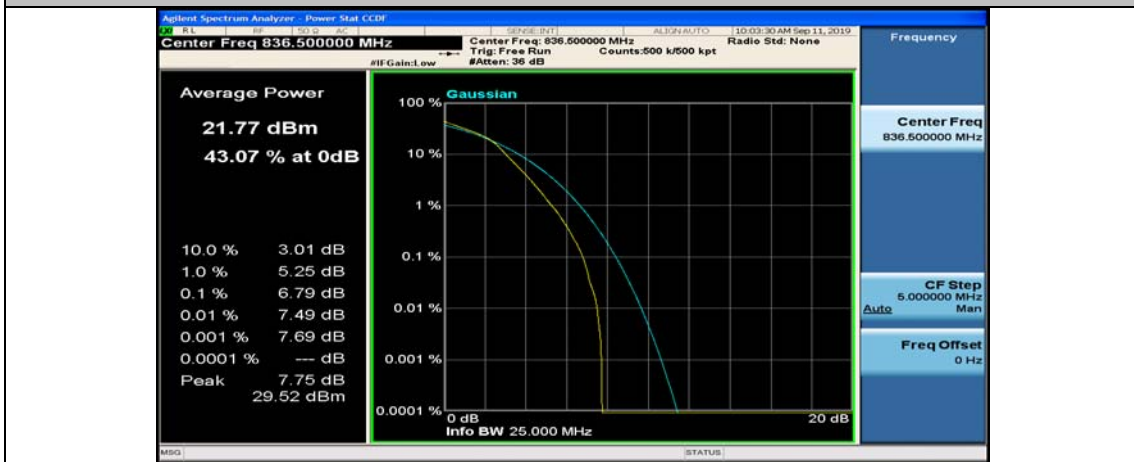
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0
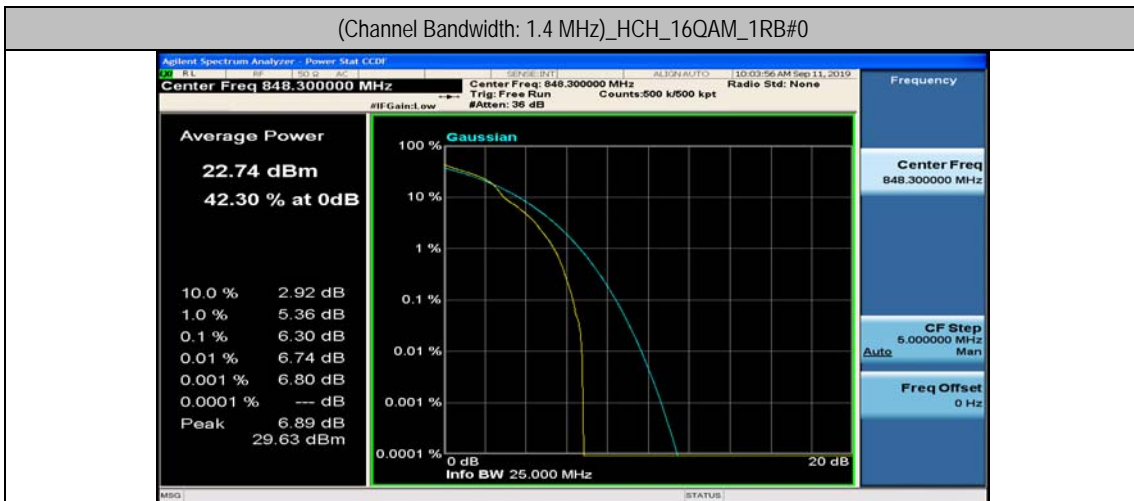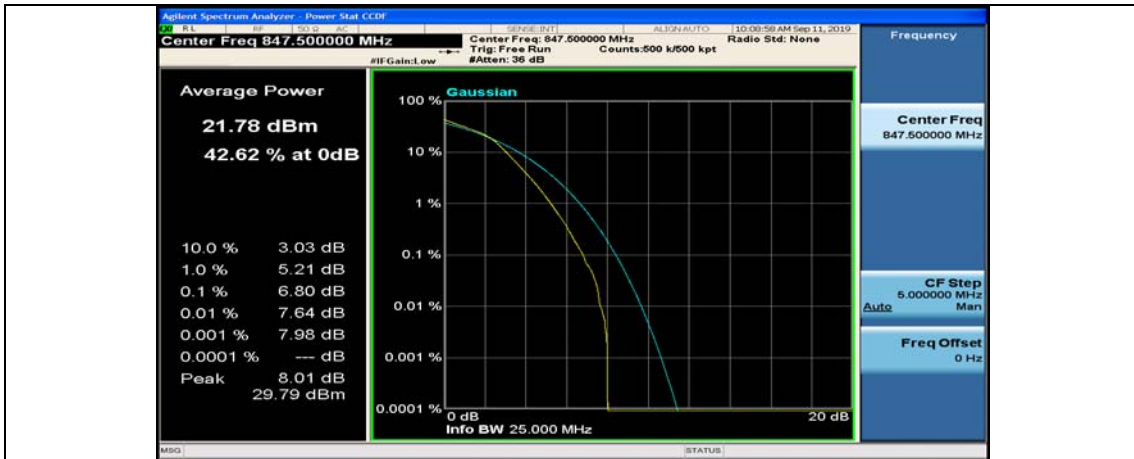

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5
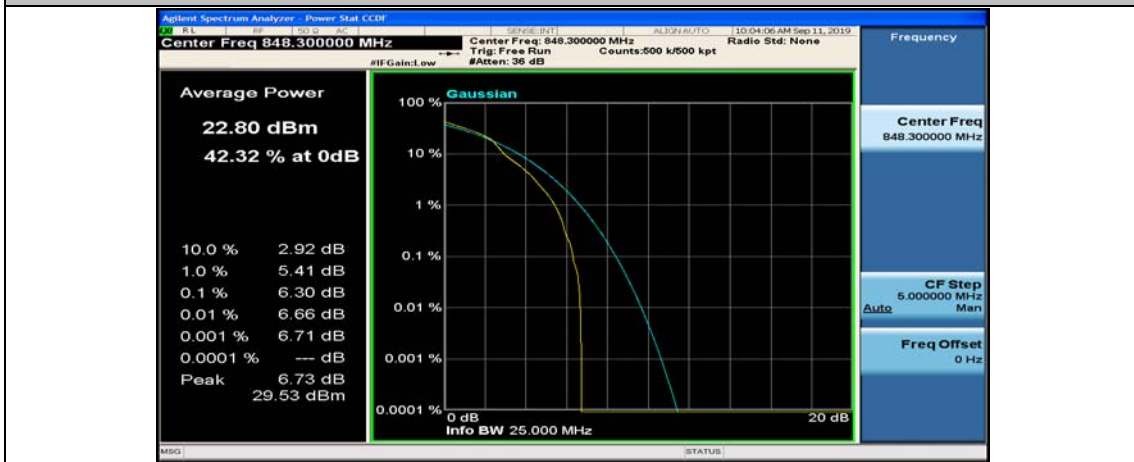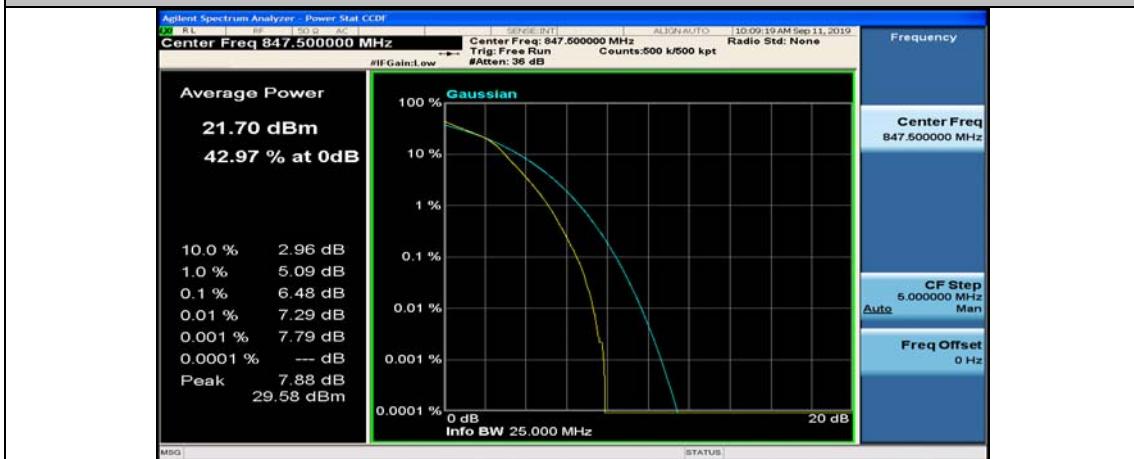

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0
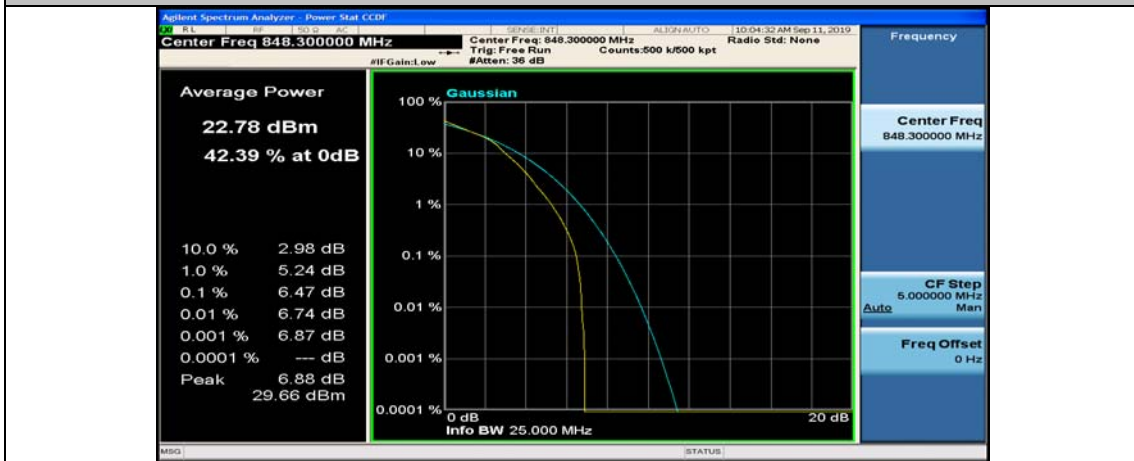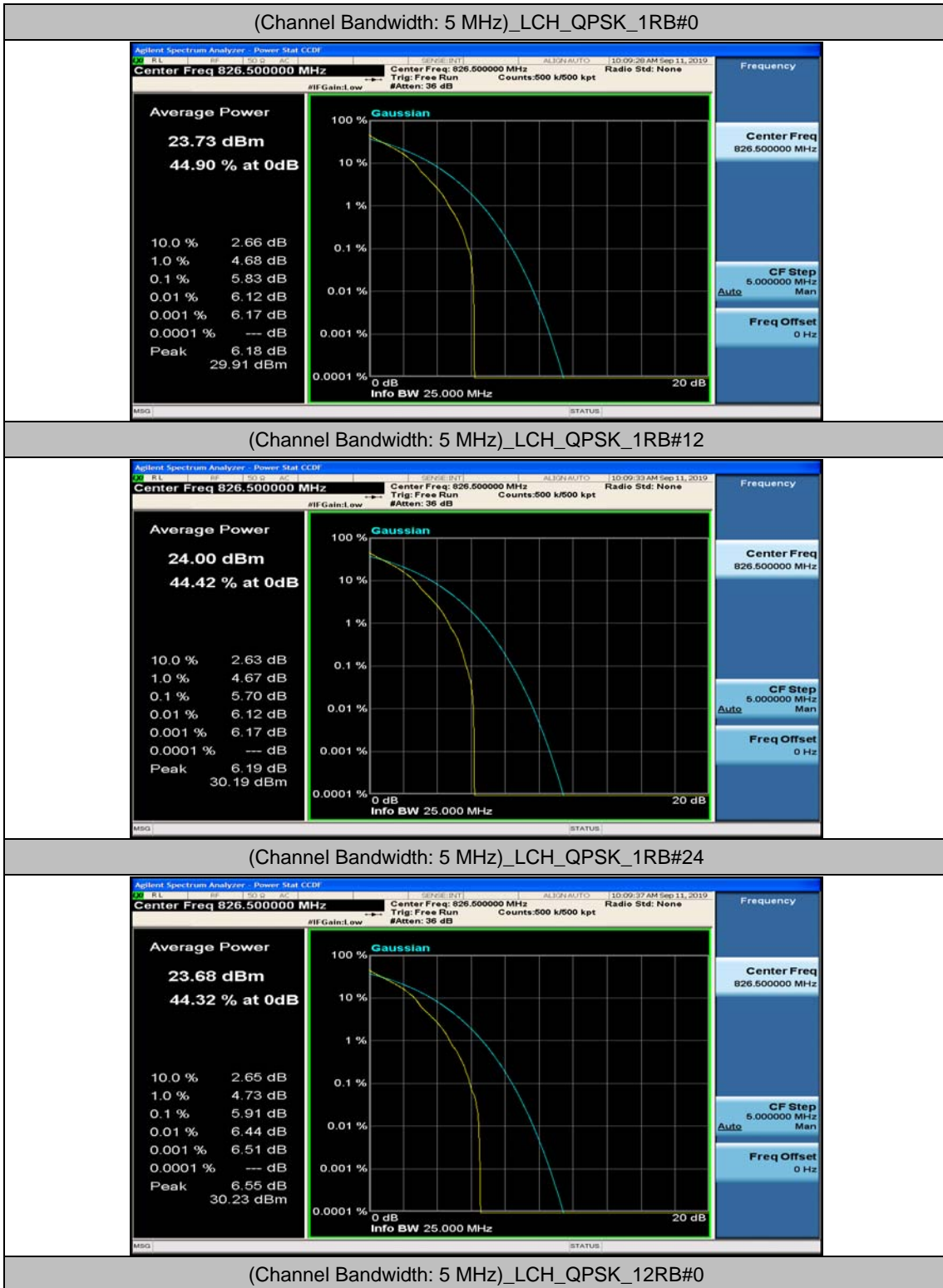

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2
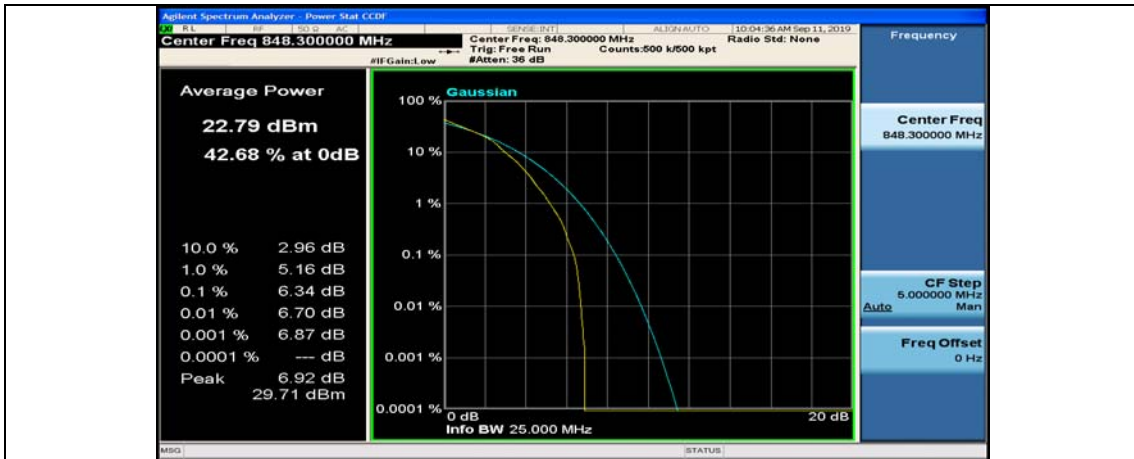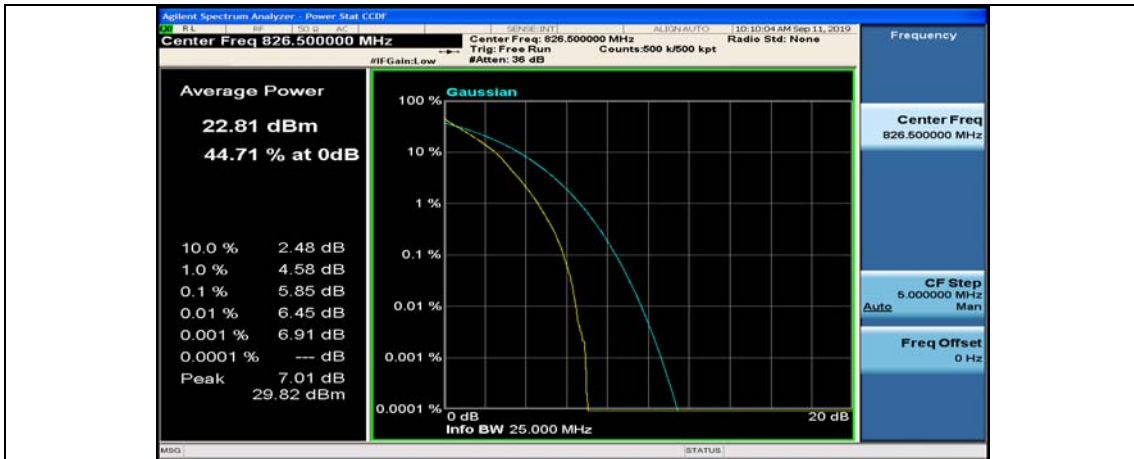
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3
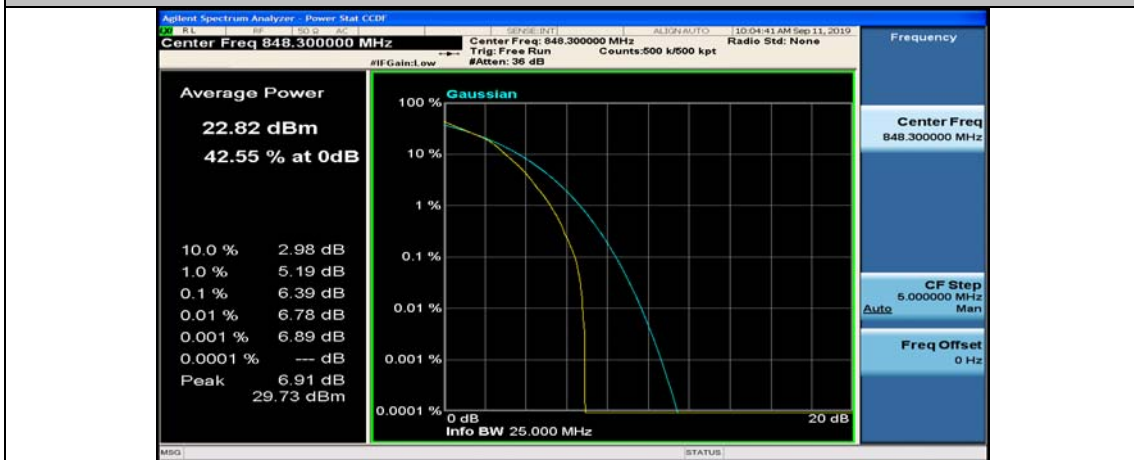
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

Channel Bandwidth: 3 MHz

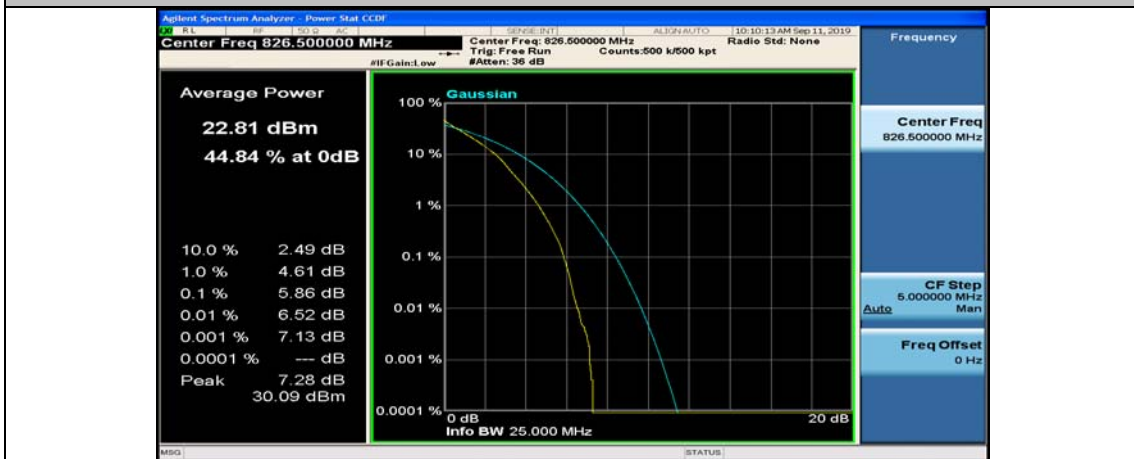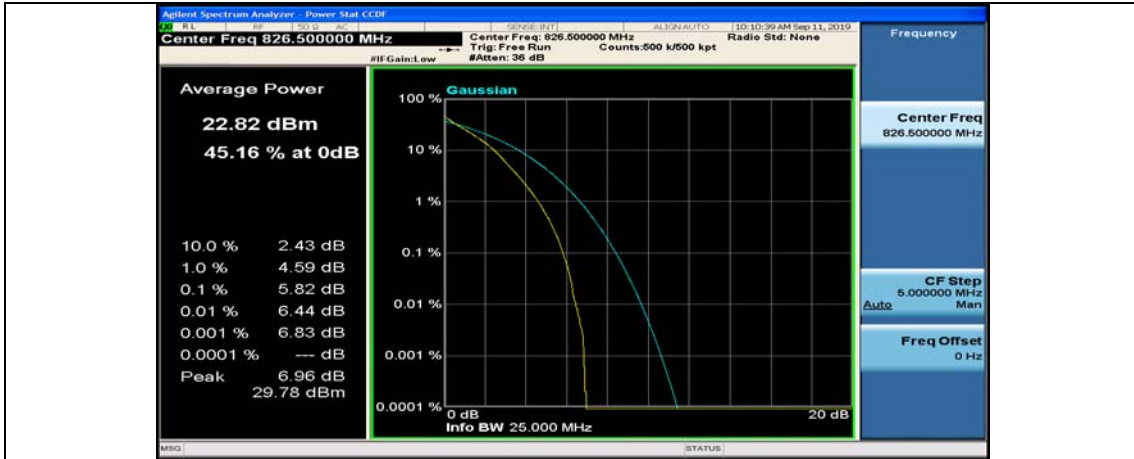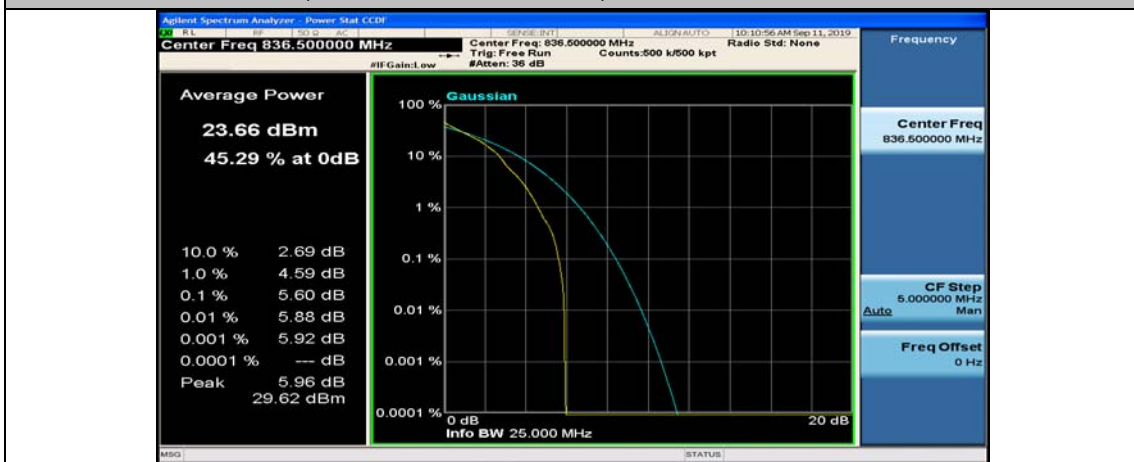| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0 |
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| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14 |
| |
| (Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0 |
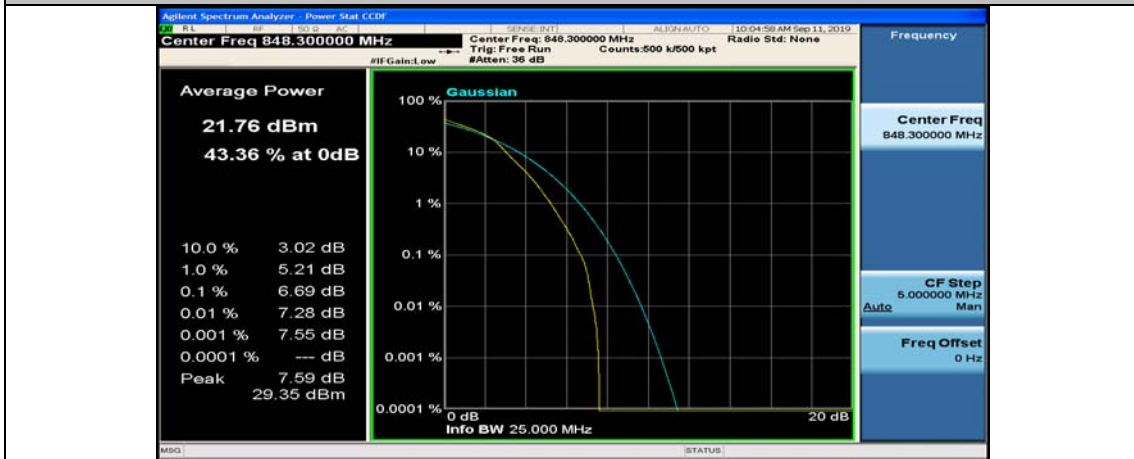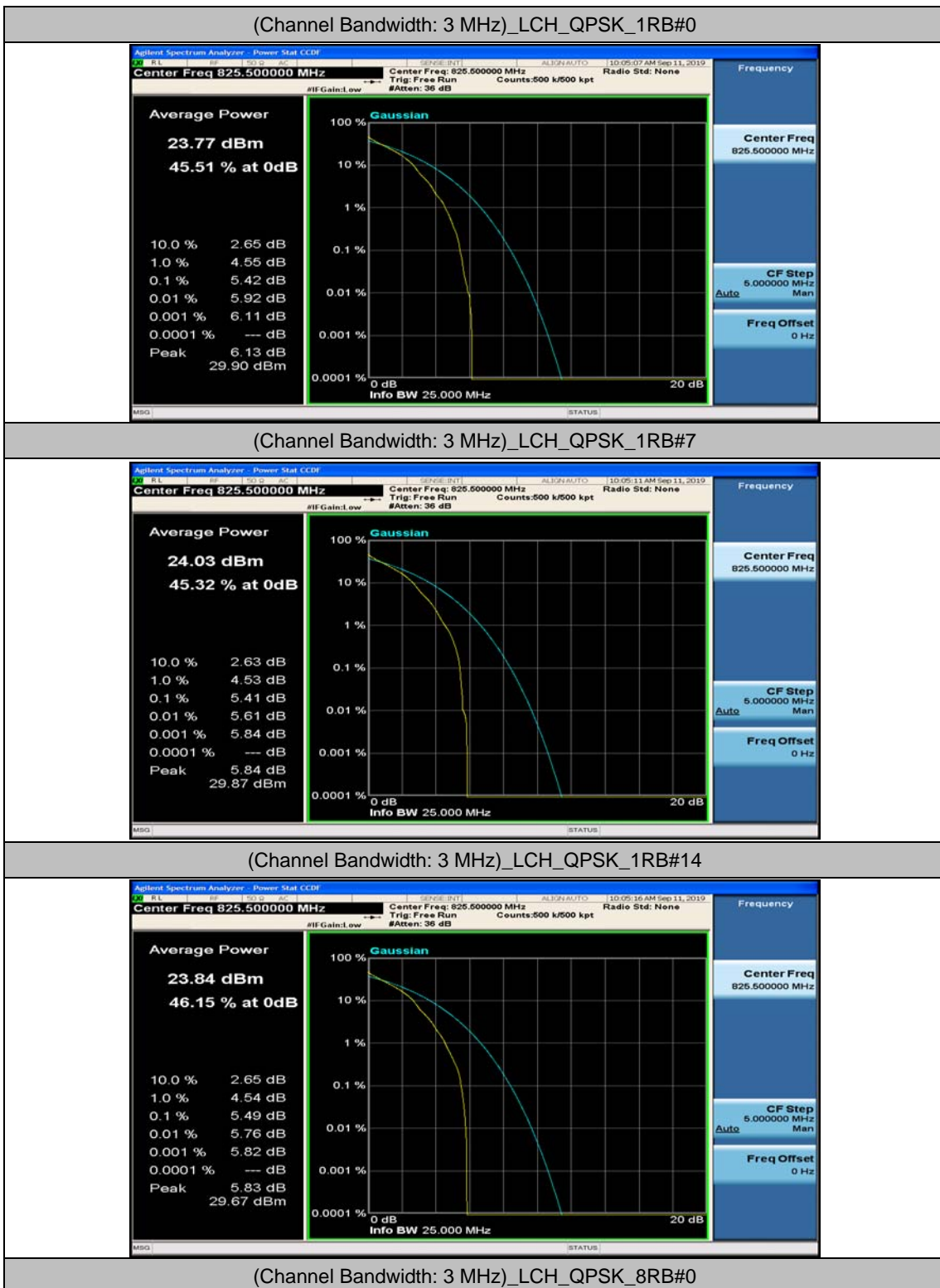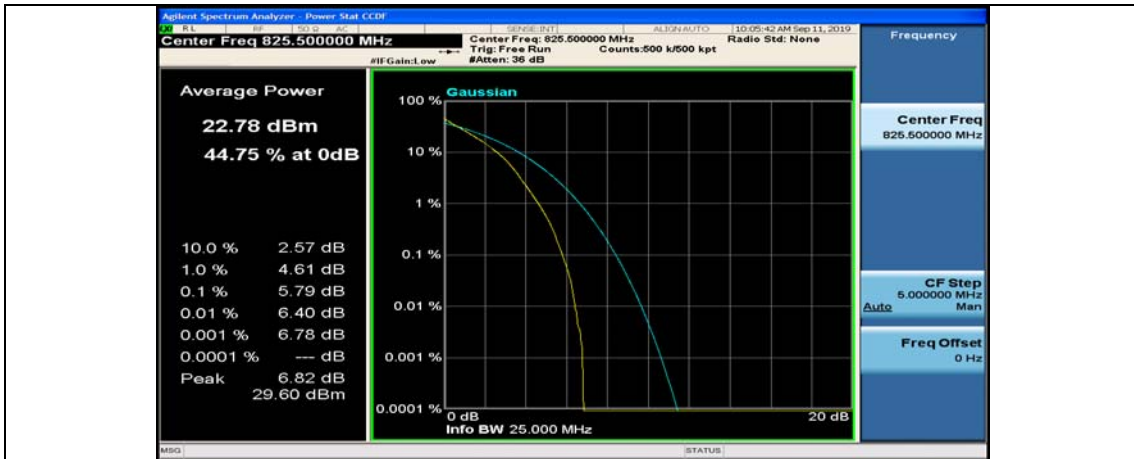
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4
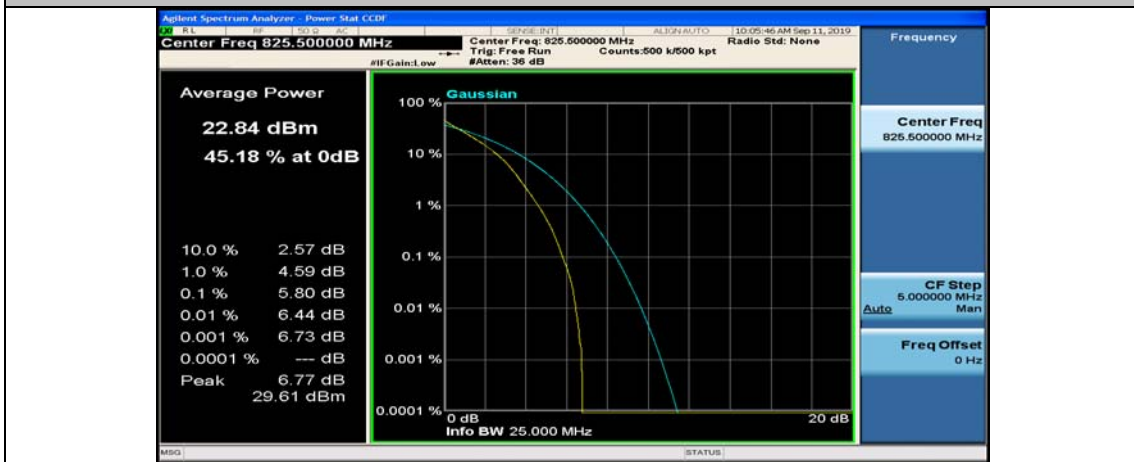
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0
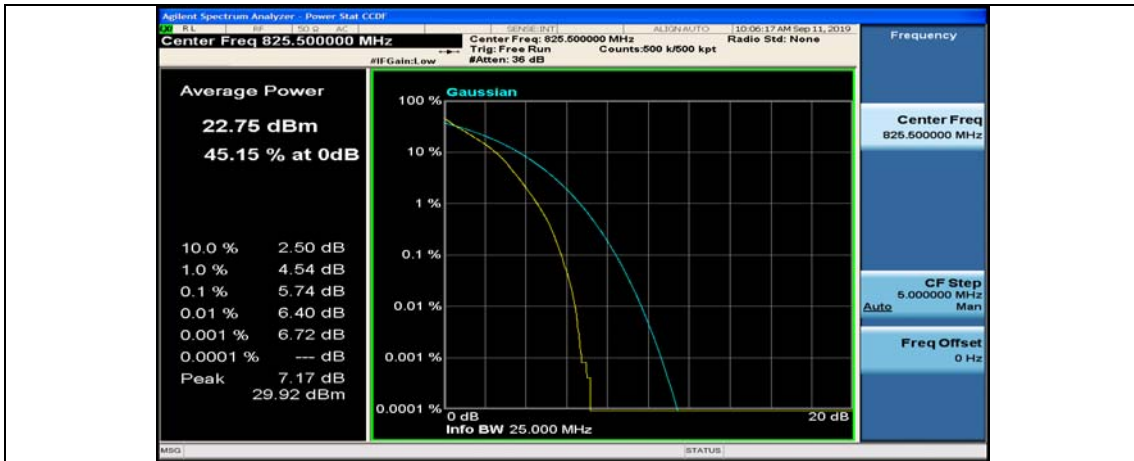
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14
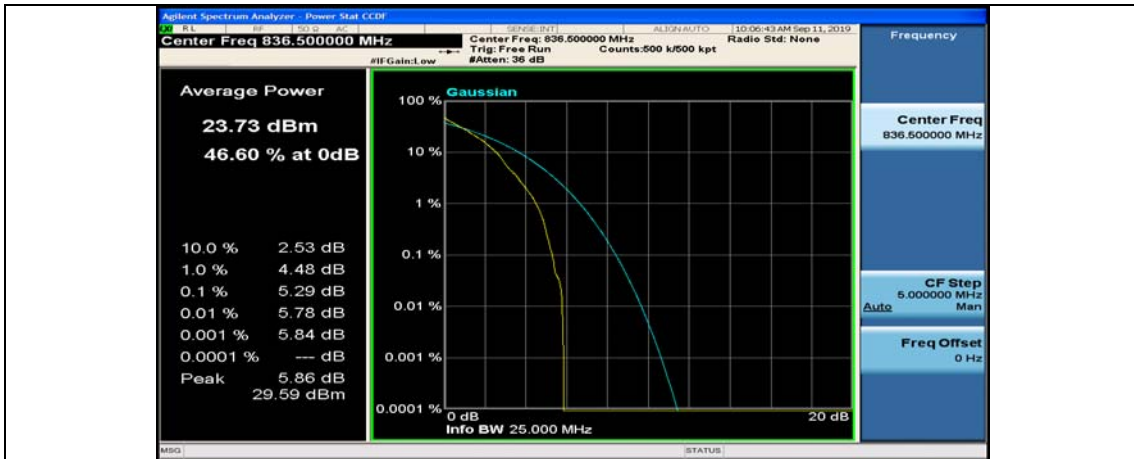
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4
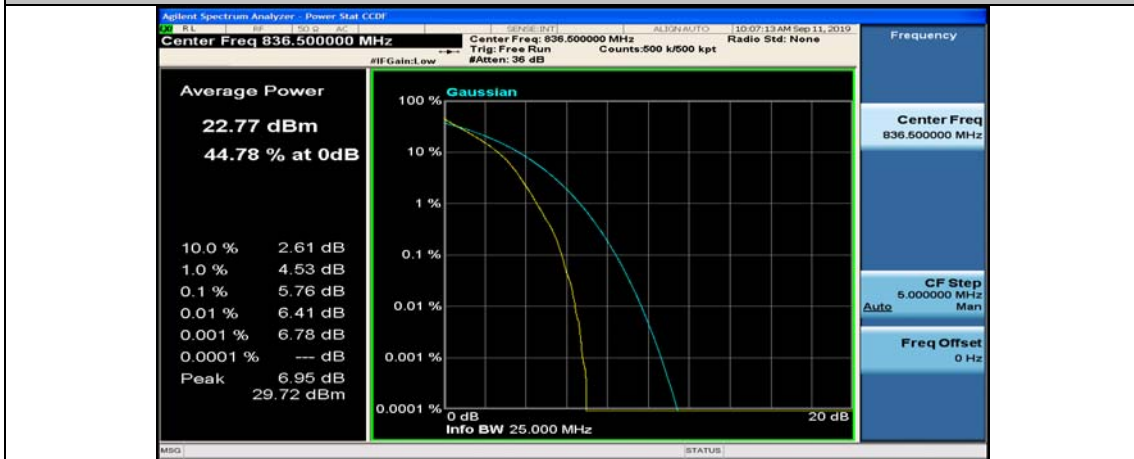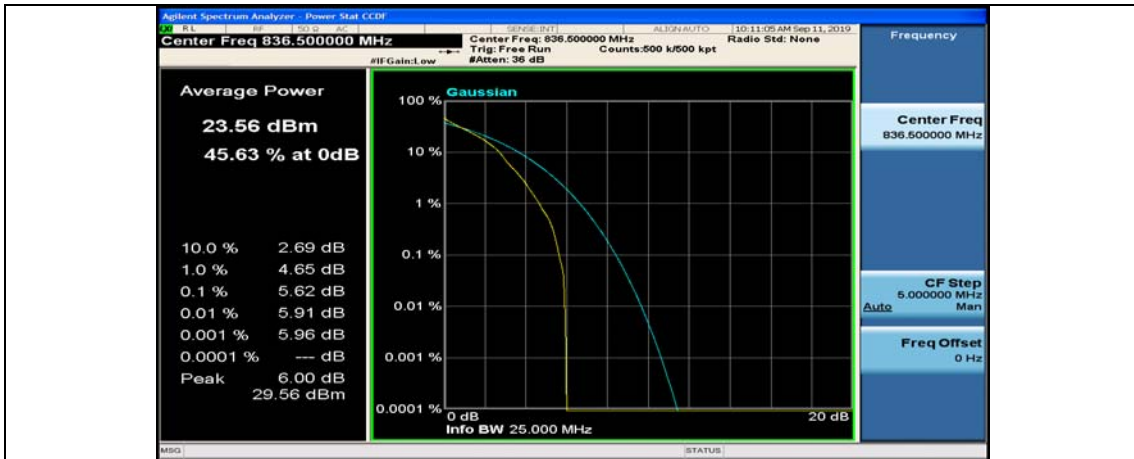

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7
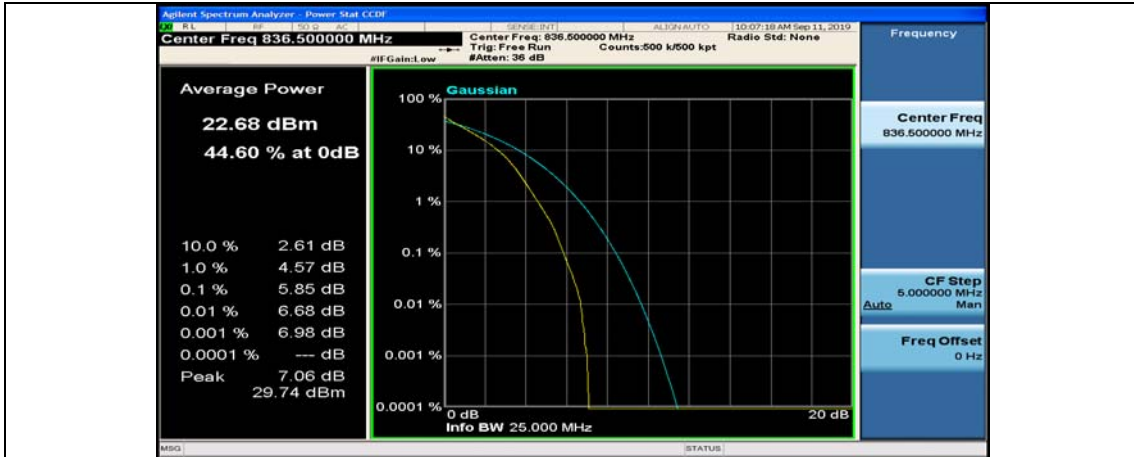
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0
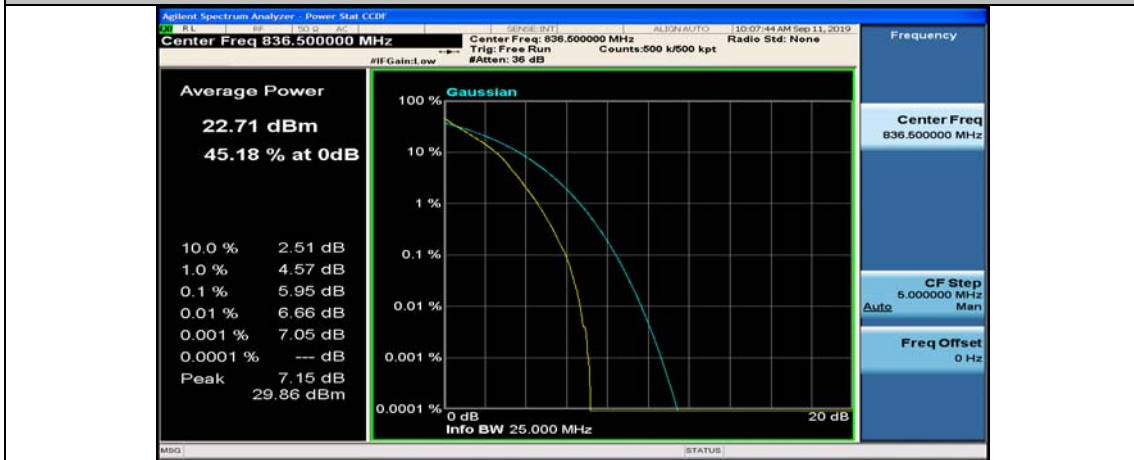
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0
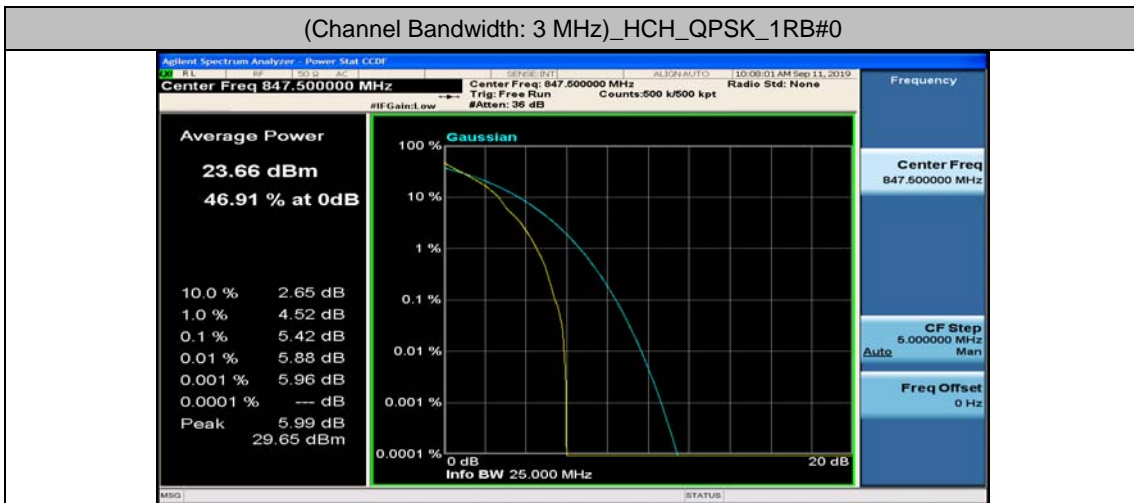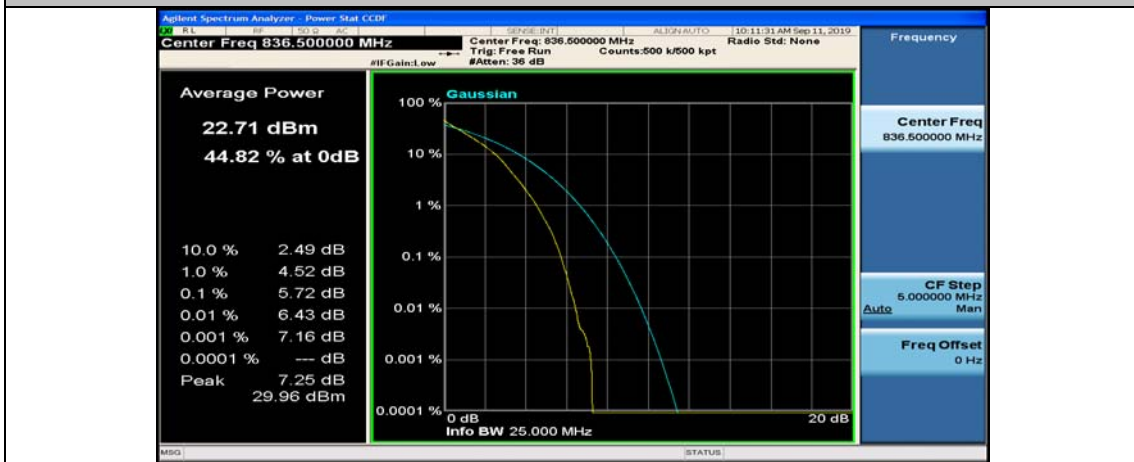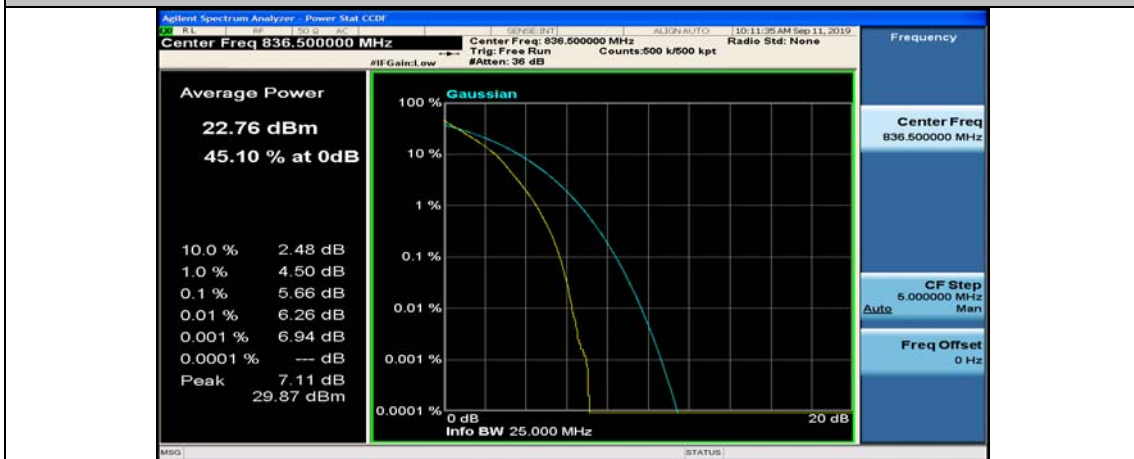

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7
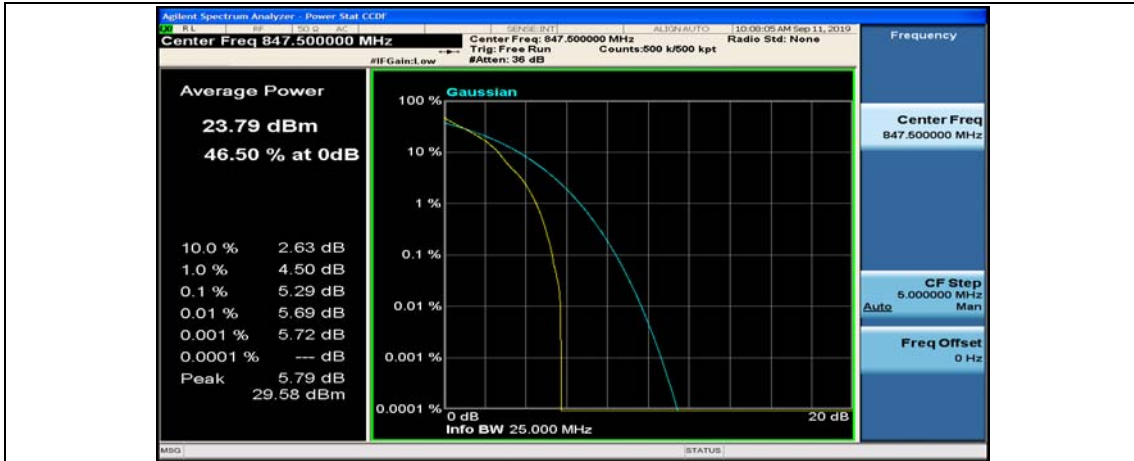
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0
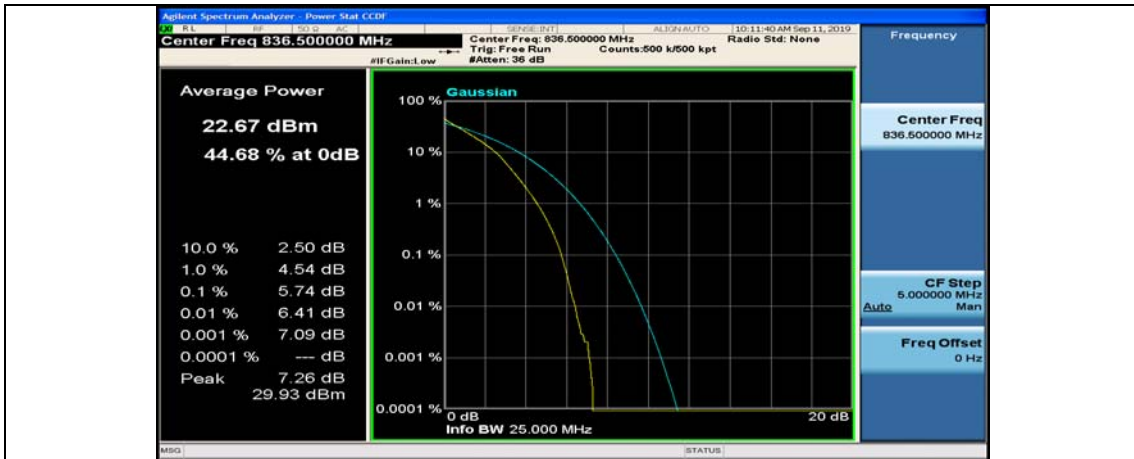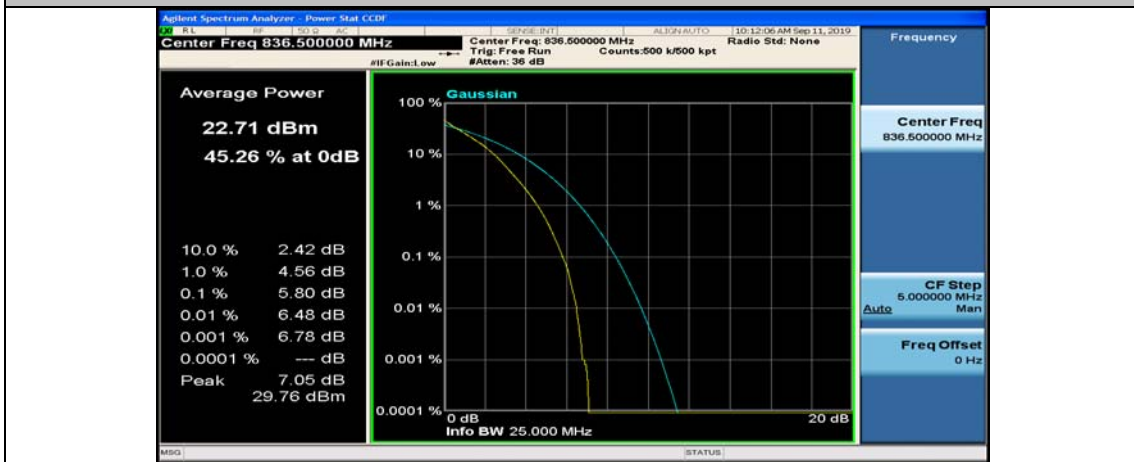

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0
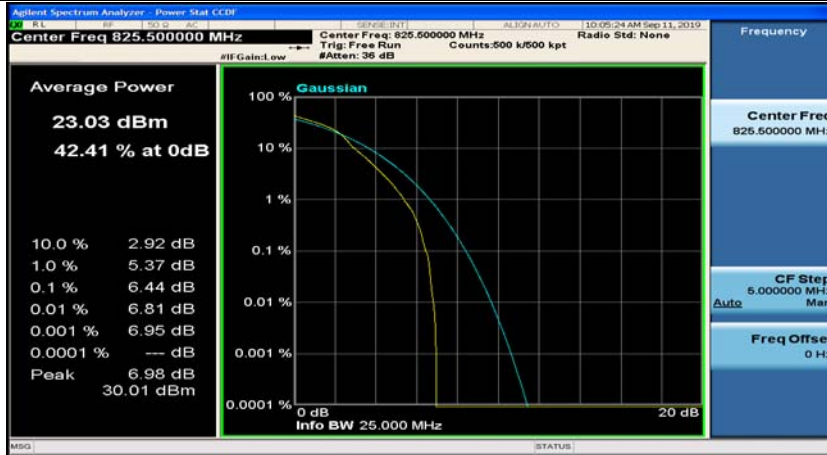
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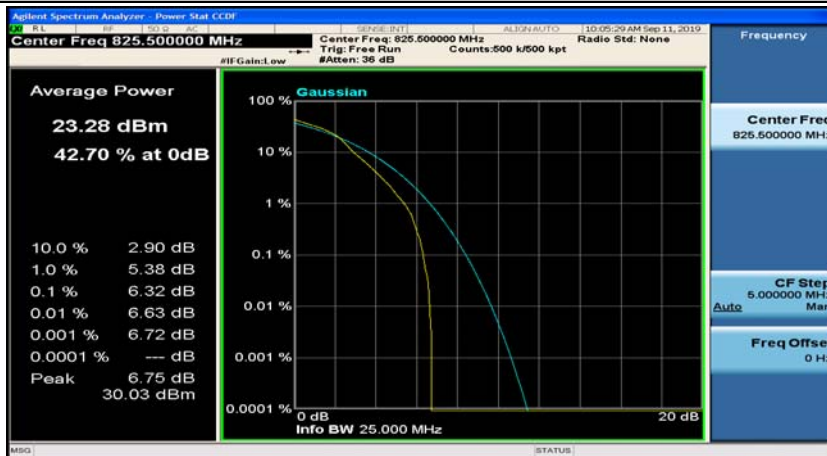
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0
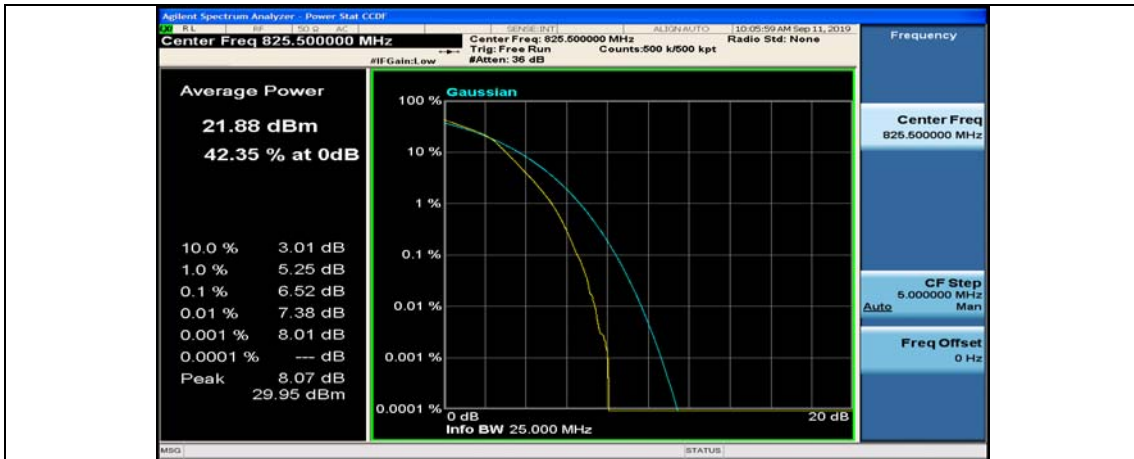
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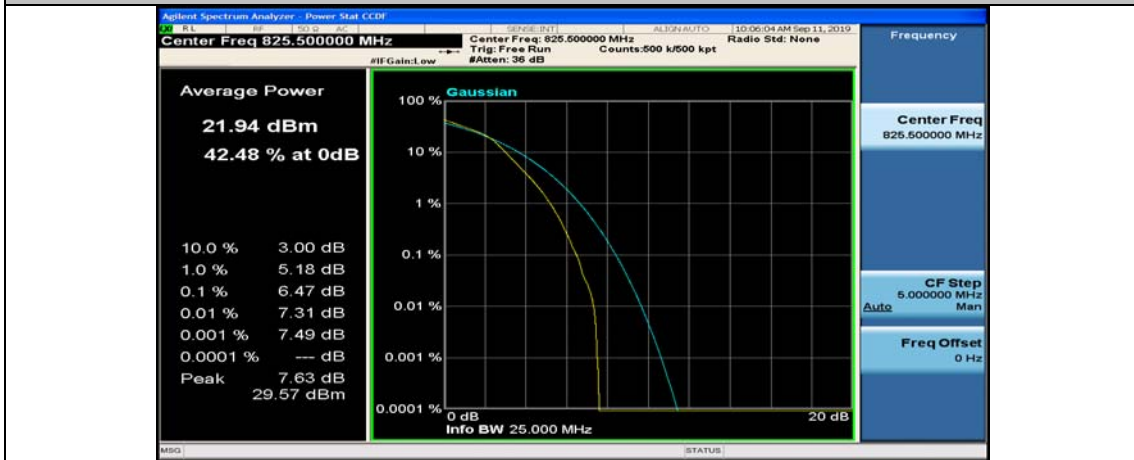
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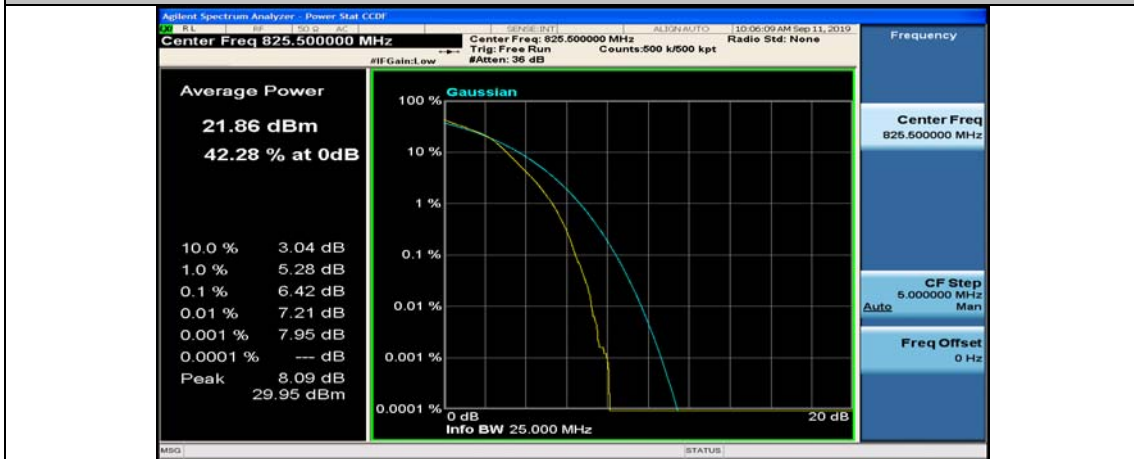
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(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14
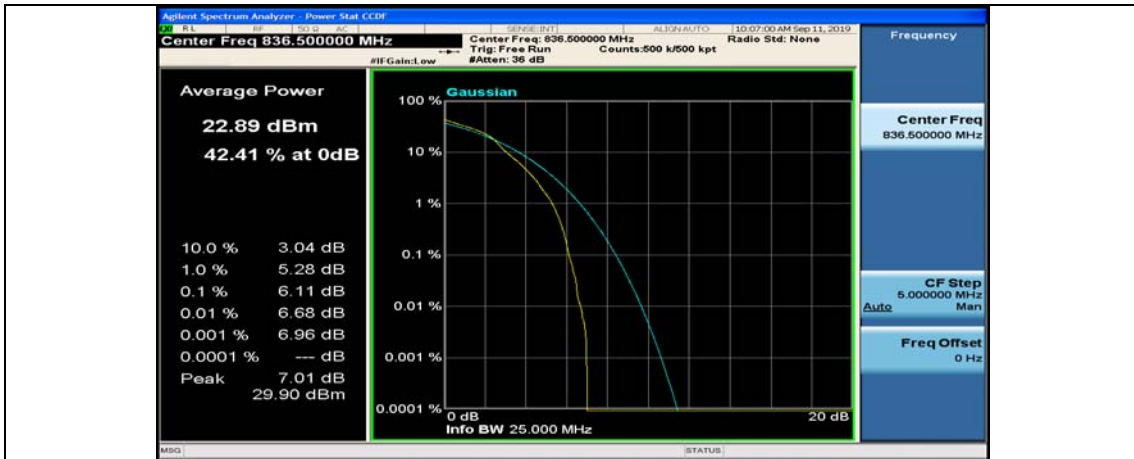
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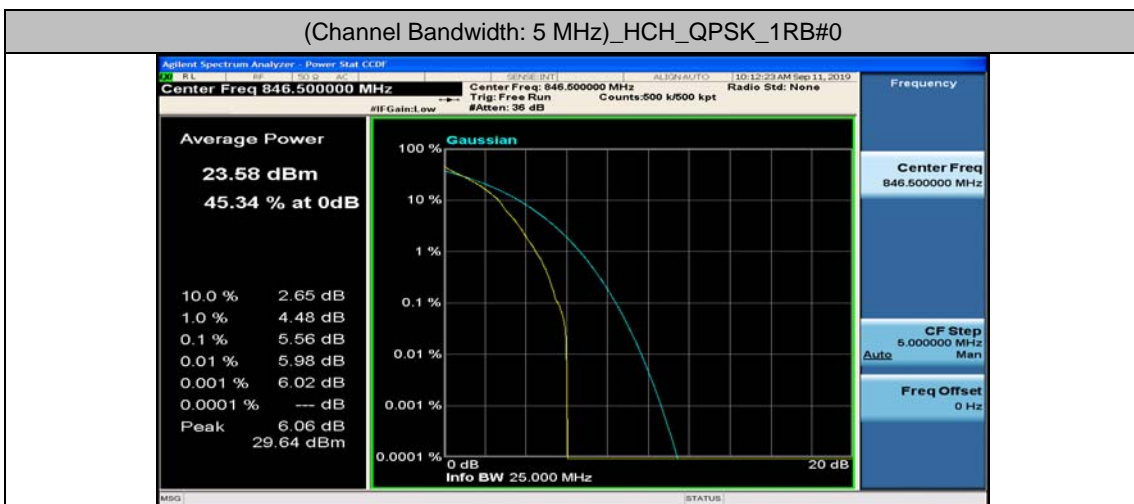(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4
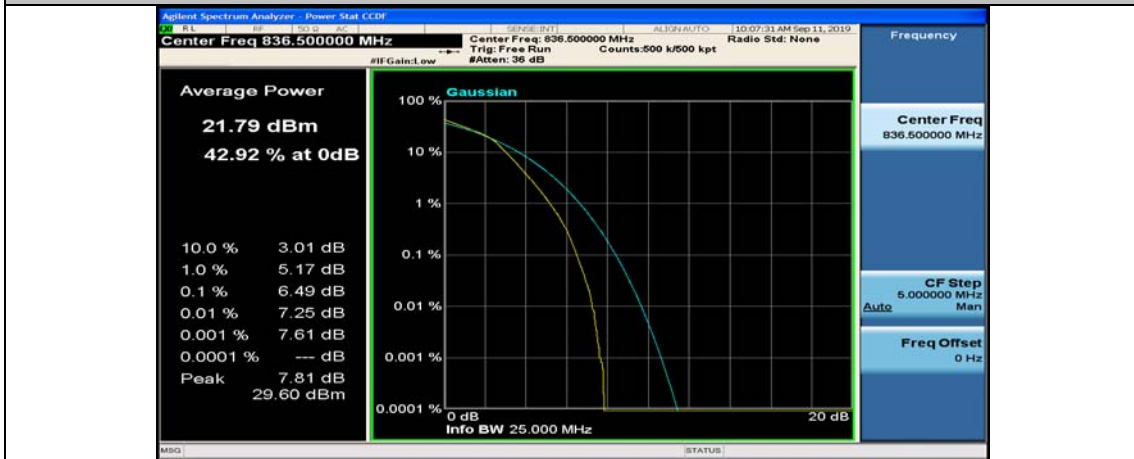
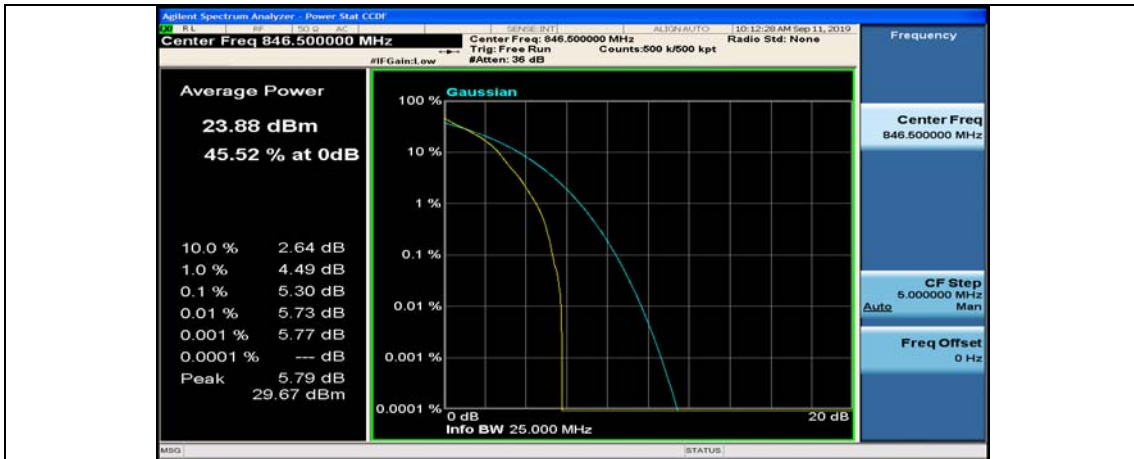(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7
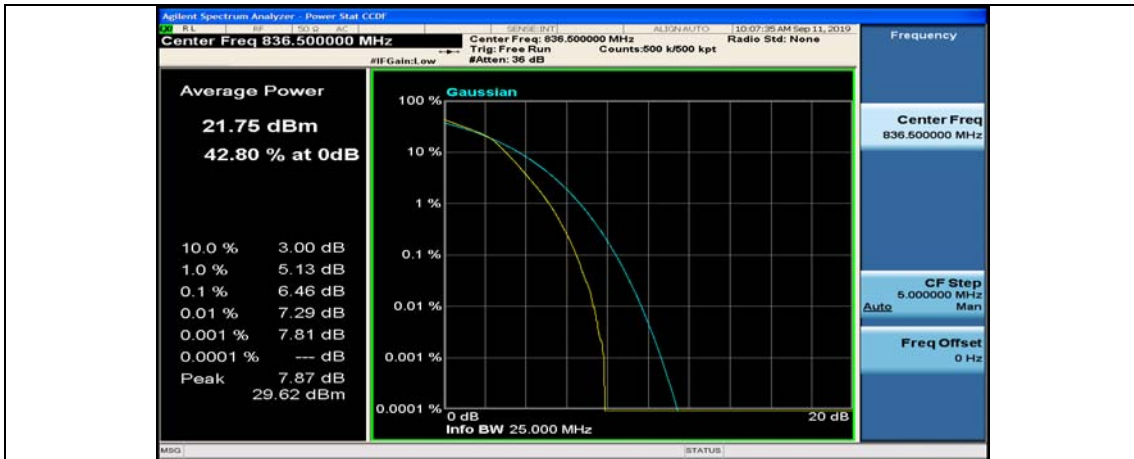
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

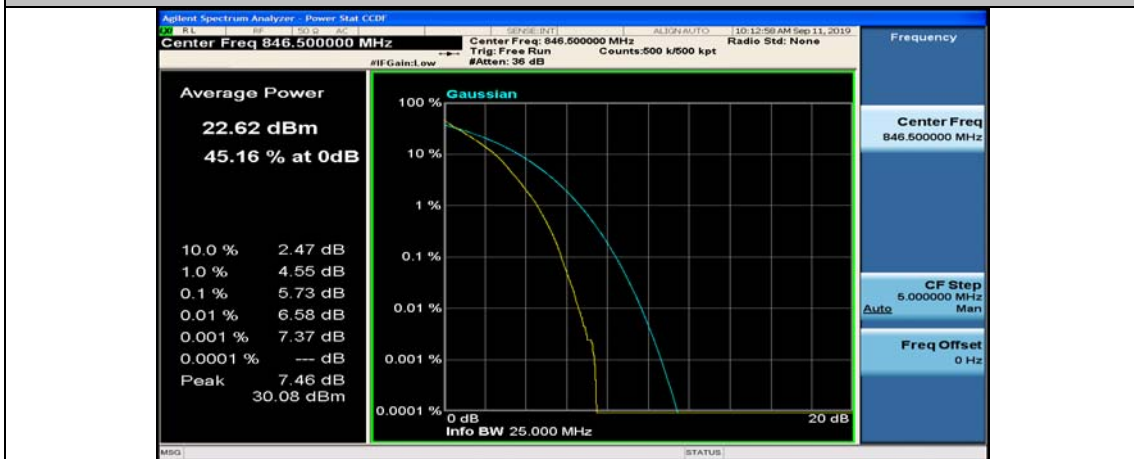(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0
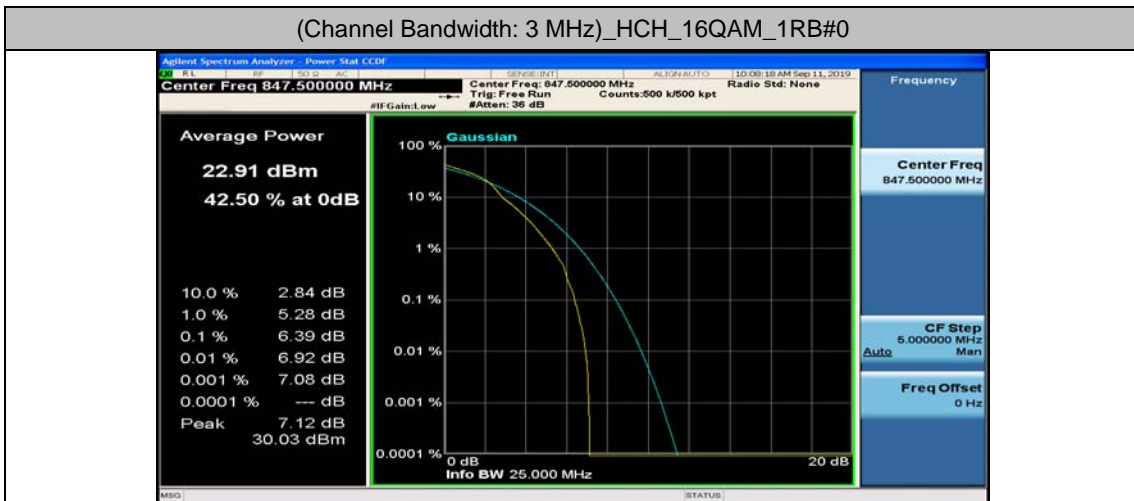
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7
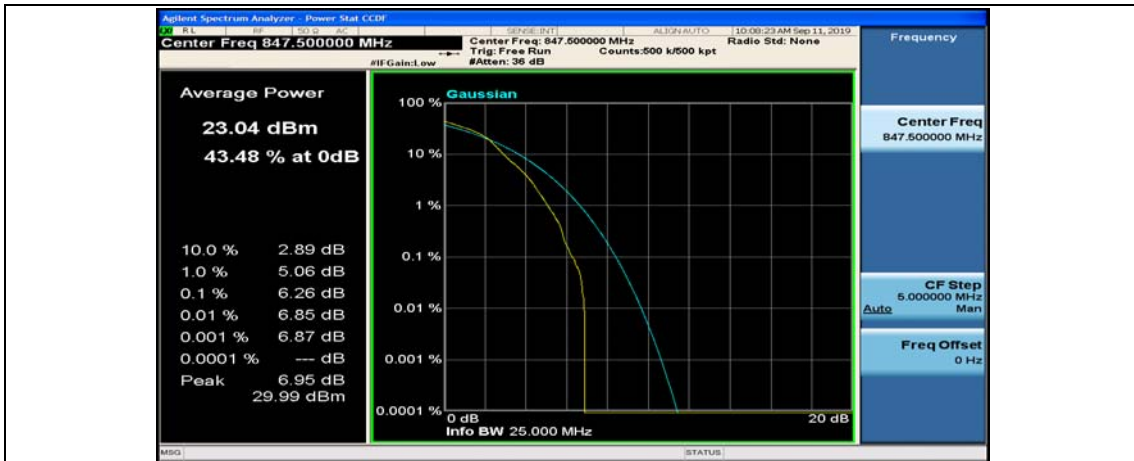
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

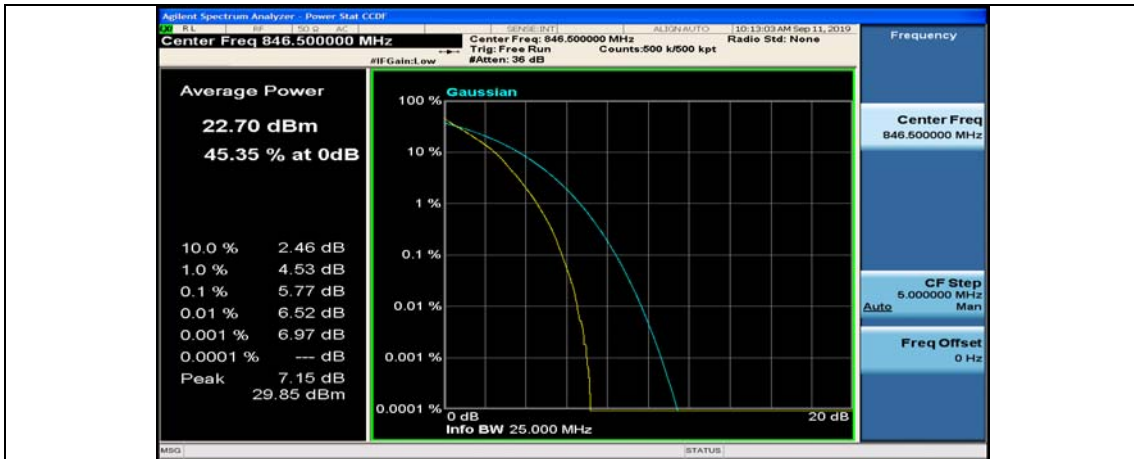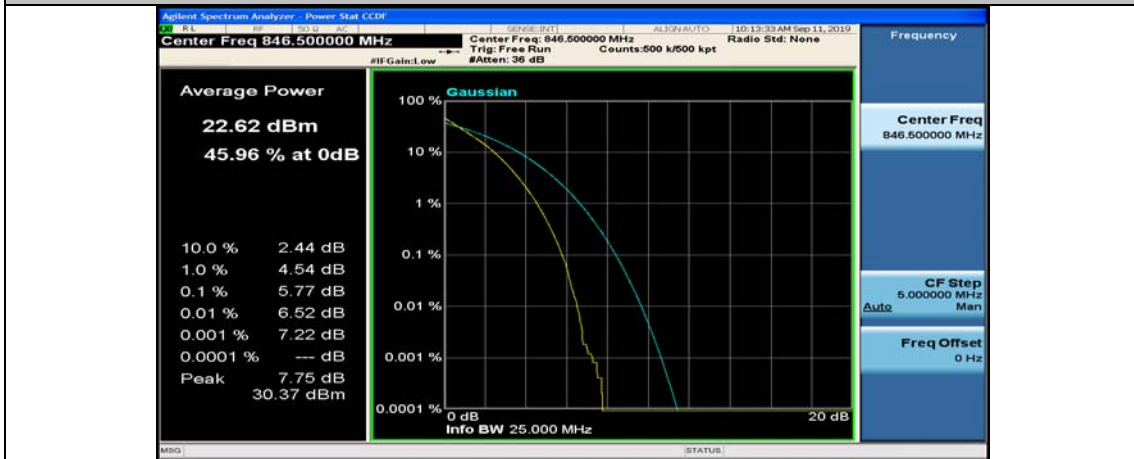| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0 |
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| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0 |

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

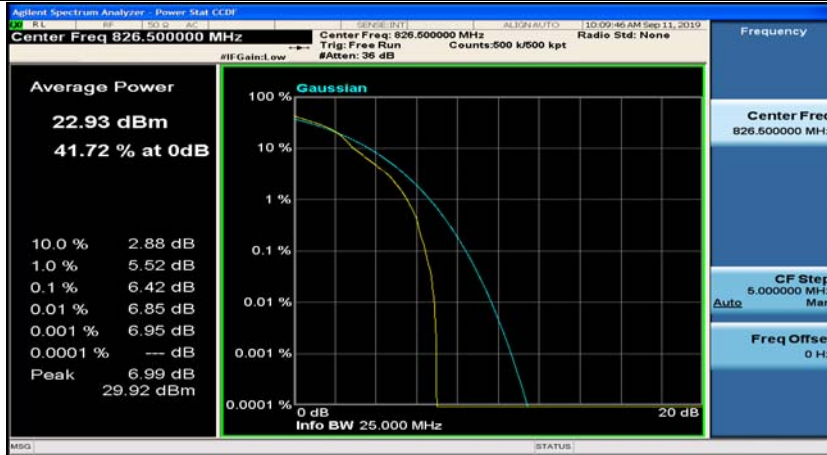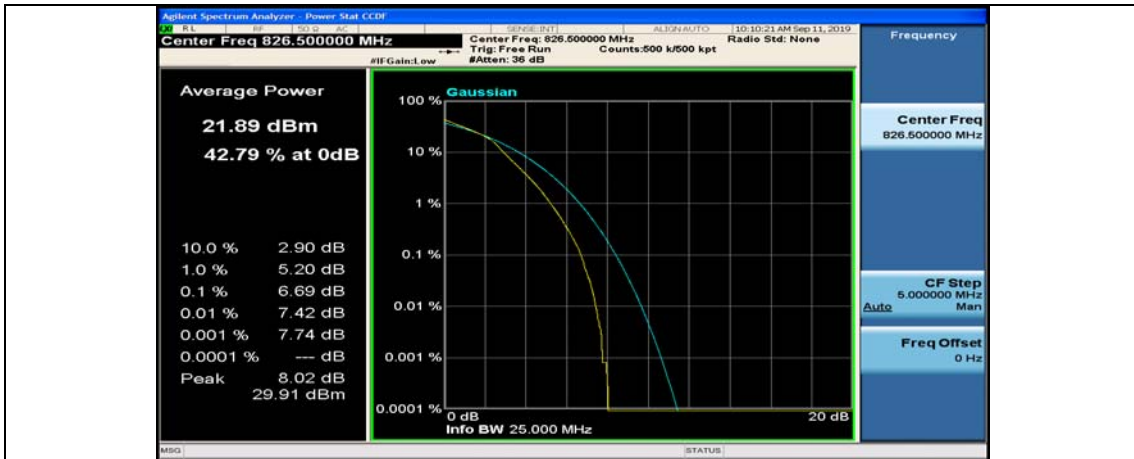| (Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0 |
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12
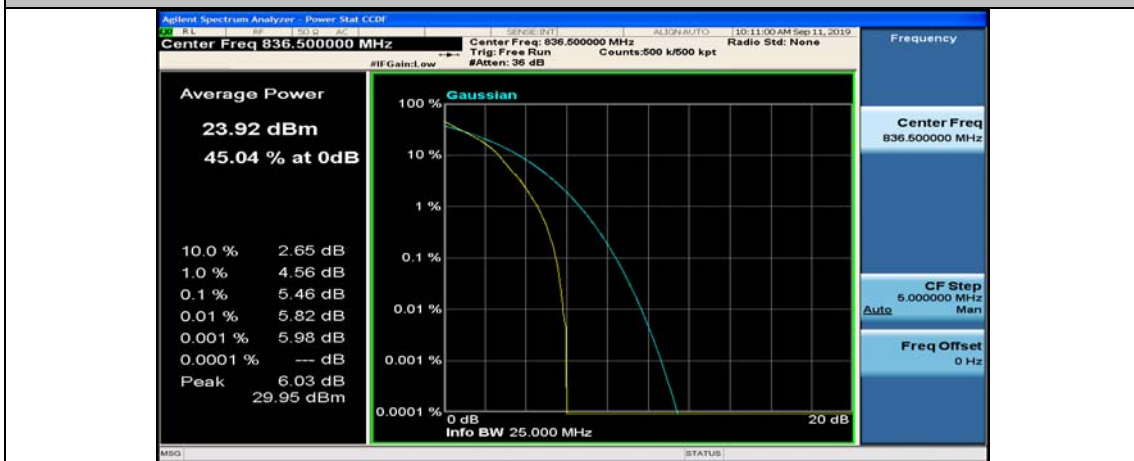
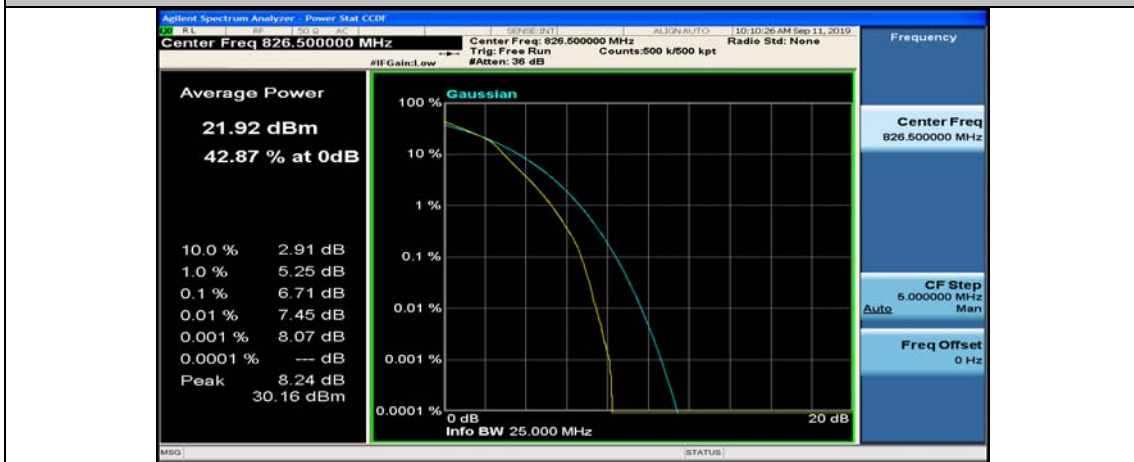| (Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24 |
|---|

(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

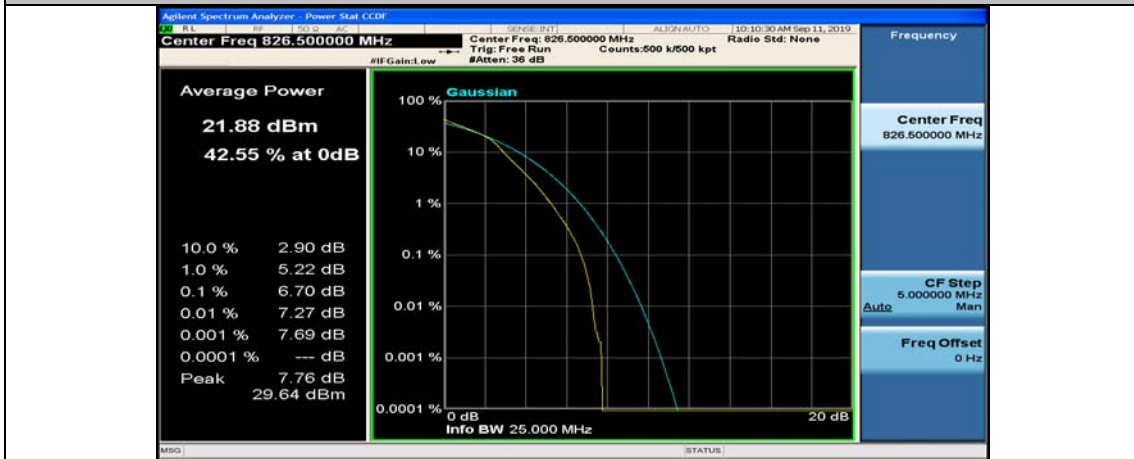| (Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12 |
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(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

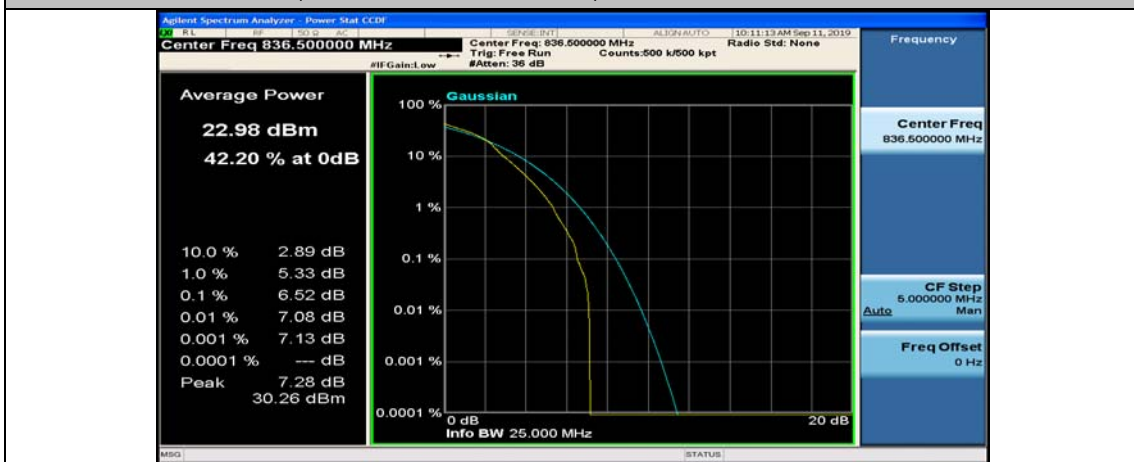| (Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0 |
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| (Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24 |
| |
| (Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0 |

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0
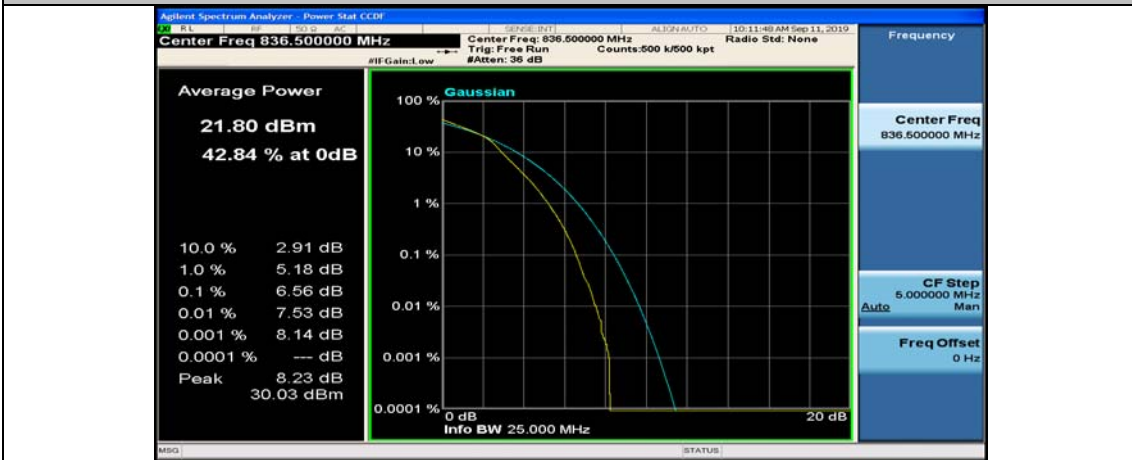
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12
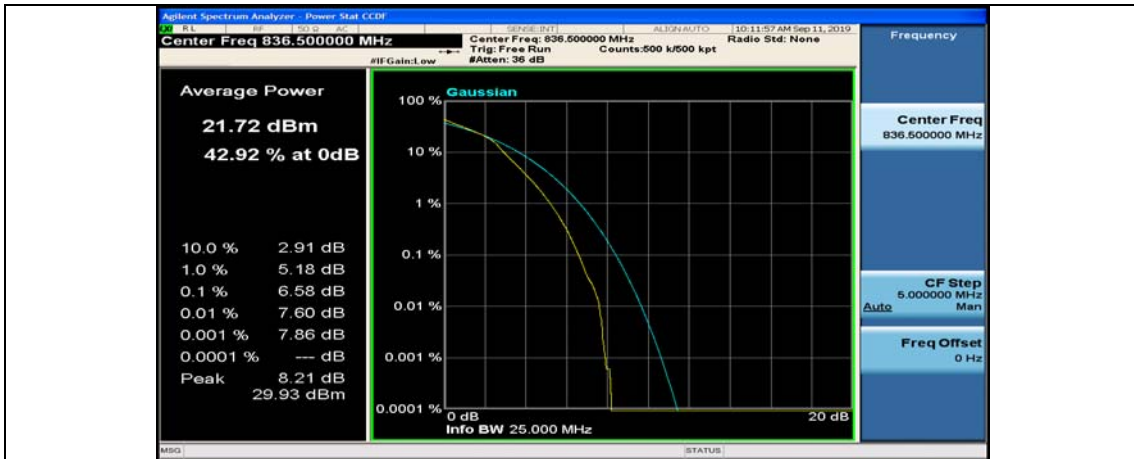

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

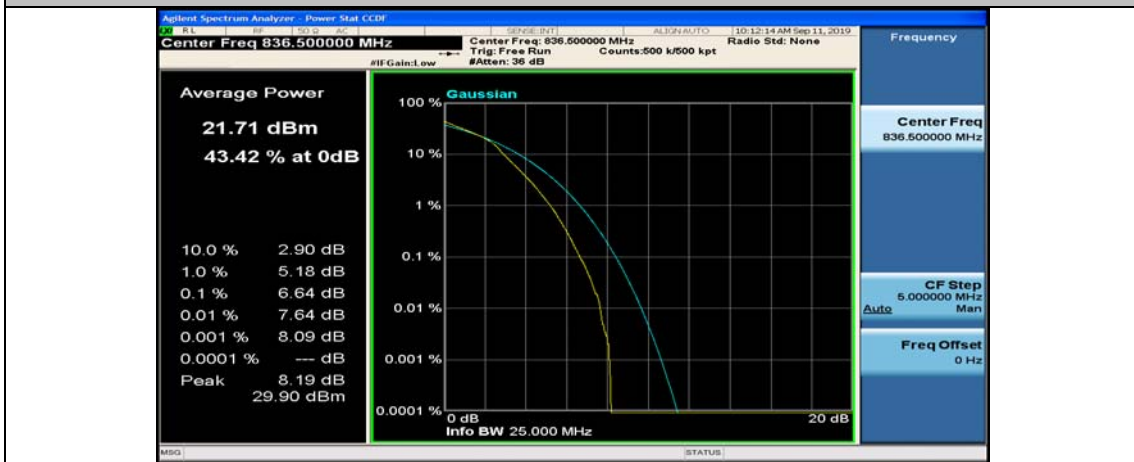(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

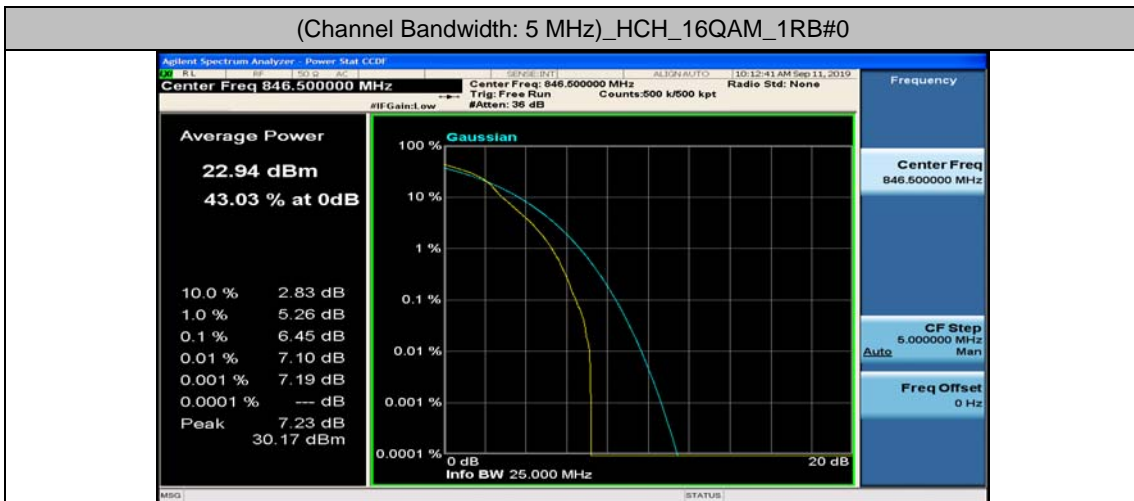(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(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