

## 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	22.42	PASS
		1	3	22.37	PASS
		1	5	22.43	PASS
		3	0	22.42	PASS
		3	2	22.50	PASS
		3	3	22.41	PASS
		6	0	21.29	PASS
	MCH	1	0	22.60	PASS
		1	3	22.52	PASS
		1	5	22.59	PASS
		3	0	22.56	PASS
		3	2	22.54	PASS
		3	3	22.49	PASS
		6	0	21.53	PASS
	HCH	1	0	22.56	PASS
		1	3	22.43	PASS
		1	5	22.45	PASS
		3	0	22.51	PASS
		3	2	22.51	PASS
		3	3	22.41	PASS
		6	0	21.47	PASS
16QAM	LCH	1	0	22.38	PASS
		1	3	22.34	PASS
		1	5	22.39	PASS
		3	0	21.53	PASS
		3	2	21.46	PASS
		3	3	21.46	PASS
		6	0	20.58	PASS
	MCH	1	0	22.03	PASS
		1	3	22.02	PASS
		1	5	22.04	PASS

		3	0	21.28	PASS
		3	2	21.29	PASS
		3	3	21.21	PASS
		6	0	20.36	PASS
	HCH	1	0	21.56	PASS
		1	3	21.54	PASS
		1	5	21.55	PASS
		3	0	21.22	PASS
		3	2	21.31	PASS
		3	3	21.25	PASS
		6	0	20.91	PASS

### Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.34	PASS
		1	7	22.39	PASS
		1	14	22.29	PASS
		8	0	21.22	PASS
		8	4	21.28	PASS
		8	7	21.26	PASS
		15	0	21.27	PASS
	MCH	1	0	22.67	PASS
		1	7	22.60	PASS
		1	14	22.57	PASS
		8	0	21.49	PASS
		8	4	21.47	PASS
		8	7	21.54	PASS
		15	0	21.58	PASS
	HCH	1	0	22.66	PASS
		1	7	22.65	PASS
		1	14	22.51	PASS
		8	0	21.53	PASS
		8	4	21.42	PASS
		8	7	21.52	PASS
		15	0	21.43	PASS
16QAM	LCH	1	0	22.12	PASS
		1	7	22.19	PASS
		1	14	22.11	PASS
		8	0	20.64	PASS
		8	4	20.65	PASS

		8	7	20.37	PASS
		15	0	20.72	PASS
	MCH	1	0	22.75	PASS
		1	7	22.73	PASS
		1	14	22.68	PASS
		8	0	20.51	PASS
		8	4	20.47	PASS
		8	7	20.46	PASS
		15	0	20.52	PASS
	HCH	1	0	22.04	PASS
		1	7	22.02	PASS
		1	14	21.99	PASS
		8	0	20.93	PASS
		8	4	20.99	PASS
		8	7	21.01	PASS
15		0	20.93	PASS	

**Channel Bandwidth: 5 MHz**

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.36	PASS
		1	12	22.37	PASS
		1	24	22.46	PASS
		12	0	21.43	PASS
		12	6	21.29	PASS
		12	13	21.20	PASS
		25	0	21.30	PASS
	MCH	1	0	22.52	PASS
		1	12	22.43	PASS
		1	24	22.43	PASS
		12	0	21.56	PASS
		12	6	21.56	PASS
		12	13	21.42	PASS
		25	0	21.50	PASS
	HCH	1	0	22.61	PASS
		1	12	22.67	PASS
		1	24	22.54	PASS
		12	0	21.43	PASS
		12	6	21.42	PASS
		12	13	21.60	PASS
		25	0	21.53	PASS

16QAM	LCH	1	0	21.26	PASS
		1	12	21.21	PASS
		1	24	21.28	PASS
		12	0	20.69	PASS
		12	6	20.44	PASS
		12	13	20.41	PASS
		25	0	20.50	PASS
	MCH	1	0	22.10	PASS
		1	12	22.01	PASS
		1	24	21.99	PASS
		12	0	20.59	PASS
		12	6	20.62	PASS
		12	13	20.55	PASS
		25	0	20.74	PASS
	HCH	1	0	21.17	PASS
		1	12	21.11	PASS
		1	24	20.98	PASS
		12	0	20.86	PASS
		12	6	20.79	PASS
		12	13	20.79	PASS
		25	0	20.98	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.31	PASS
		1	24	22.34	PASS
		1	49	22.39	PASS
		25	0	21.27	PASS
		25	12	21.43	PASS
		25	25	21.52	PASS
		50	0	21.22	PASS
	MCH	1	0	22.51	PASS
		1	24	22.59	PASS
		1	49	22.49	PASS
		25	0	21.56	PASS
		25	12	21.52	PASS
		25	25	21.48	PASS
		50	0	21.69	PASS
	HCH	1	0	22.80	PASS
		1	24	22.69	PASS

		1	49	22.62	PASS
		25	0	21.62	PASS
		25	12	21.59	PASS
		25	25	21.43	PASS
		50	0	21.66	PASS
16QAM	LCH	1	0	22.01	PASS
		1	24	22.12	PASS
		1	49	22.16	PASS
		25	0	20.40	PASS
		25	12	20.55	PASS
		25	25	20.40	PASS
		50	0	20.54	PASS
	MCH	1	0	21.99	PASS
		1	24	22.04	PASS
		1	49	21.94	PASS
		25	0	20.63	PASS
		25	12	20.58	PASS
		25	25	20.87	PASS
		50	0	20.62	PASS
	HCH	1	0	21.61	PASS
		1	24	21.68	PASS
		1	49	21.57	PASS
		25	0	20.53	PASS
		25	12	20.65	PASS
		25	25	20.93	PASS
		50	0	20.69	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	4.8	<13	PASS
		1	3	4.75	<13	PASS
		1	5	4.91	<13	PASS
		3	0	4.94	<13	PASS
		3	2	4.95	<13	PASS
		3	3	5.01	<13	PASS
		6	0	5.17	<13	PASS
	MCH	1	0	5.25	<13	PASS
		1	3	5.01	<13	PASS
		1	5	5.1	<13	PASS
		3	0	5.07	<13	PASS
		3	2	5.08	<13	PASS
		3	3	5.28	<13	PASS
		6	0	5.44	<13	PASS
	HCH	1	0	4.55	<13	PASS
		1	3	4.51	<13	PASS
		1	5	4.64	<13	PASS
		3	0	4.63	<13	PASS
		3	2	4.63	<13	PASS
		3	3	4.75	<13	PASS
		6	0	5.19	<13	PASS
16QAM	LCH	1	0	5.95	<13	PASS
		1	3	5.85	<13	PASS
		1	5	5.92	<13	PASS
		3	0	5.88	<13	PASS
		3	2	5.96	<13	PASS
		3	3	5.99	<13	PASS
		6	0	5.96	<13	PASS
	MCH	1	0	5.58	<13	PASS
		1	3	5.69	<13	PASS
		1	5	5.72	<13	PASS

		3	0	6.13	<13	PASS
		3	2	6.12	<13	PASS
		3	3	6.02	<13	PASS
		6	0	6.41	<13	PASS
	HCH	1	0	5.49	<13	PASS
		1	3	5.43	<13	PASS
		1	5	5.55	<13	PASS
		3	0	5.85	<13	PASS
		3	2	5.77	<13	PASS
		3	3	5.86	<13	PASS
		6	0	6.05	<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	4.9	<13	PASS
		1	7	4.9	<13	PASS
		1	14	5.06	<13	PASS
		8	0	5.39	<13	PASS
		8	4	5.44	<13	PASS
		8	7	5.51	<13	PASS
		15	0	5.33	<13	PASS
	MCH	1	0	4.88	<13	PASS
		1	7	4.75	<13	PASS
		1	14	4.93	<13	PASS
		8	0	5.37	<13	PASS
		8	4	5.43	<13	PASS
		8	7	5.41	<13	PASS
		15	0	5.51	<13	PASS
	HCH	1	0	4.67	<13	PASS
		1	7	4.49	<13	PASS
		1	14	4.75	<13	PASS
		8	0	5.22	<13	PASS
		8	4	5.32	<13	PASS
		8	7	5.31	<13	PASS
		15	0	5.22	<13	PASS
16QAM	LCH	1	0	5.54	<13	PASS
		1	7	5.57	<13	PASS
		1	14	5.9	<13	PASS
		8	0	5.92	<13	PASS

		8	4	6.06	<13	PASS
		8	7	6.25	<13	PASS
		15	0	6.23	<13	PASS
	MCH	1	0	5.5	<13	PASS
		1	7	5.5	<13	PASS
		1	14	5.51	<13	PASS
		8	0	6.22	<13	PASS
		8	4	6.17	<13	PASS
		8	7	6.08	<13	PASS
		15	0	6.37	<13	PASS
	HCH	1	0	5.51	<13	PASS
		1	7	5.3	<13	PASS
		1	14	5.51	<13	PASS
		8	0	6.02	<13	PASS
		8	4	6.02	<13	PASS
8		7	6	<13	PASS	
15		0	5.89	<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	5.07	<13	PASS
		1	12	5.23	<13	PASS
		1	24	5.29	<13	PASS
		12	0	5.35	<13	PASS
		12	6	5.37	<13	PASS
		12	13	5.4	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	12	5.16	<13	PASS
		1	24	5.25	<13	PASS
		12	0	5.34	<13	PASS
		12	6	5.37	<13	PASS
		12	13	5.33	<13	PASS
		25	0	5.4	<13	PASS
	HCH	1	0	4.71	<13	PASS
		1	12	4.66	<13	PASS
		1	24	4.72	<13	PASS
		12	0	5.26	<13	PASS
		12	6	5.3	<13	PASS



		12	13	5.18	<13	PASS
		25	0	5.25	<13	PASS
16QAM	LCH	1	0	5.93	<13	PASS
		1	12	5.94	<13	PASS
		1	24	6.06	<13	PASS
		12	0	6.04	<13	PASS
		12	6	6.24	<13	PASS
		12	13	6.28	<13	PASS
		25	0	6.01	<13	PASS
		MCH	1	0	5.97	<13
	1		12	5.89	<13	PASS
	1		24	6.03	<13	PASS
	12		0	6.16	<13	PASS
	12		6	6.18	<13	PASS
	12		13	6.08	<13	PASS
	25		0	6.19	<13	PASS
	HCH	1	0	6.03	<13	PASS
		1	12	5.65	<13	PASS
		1	24	6	<13	PASS
		12	0	6.04	<13	PASS
		12	6	5.87	<13	PASS
		12	13	6.03	<13	PASS
		25	0	5.86	<13	PASS

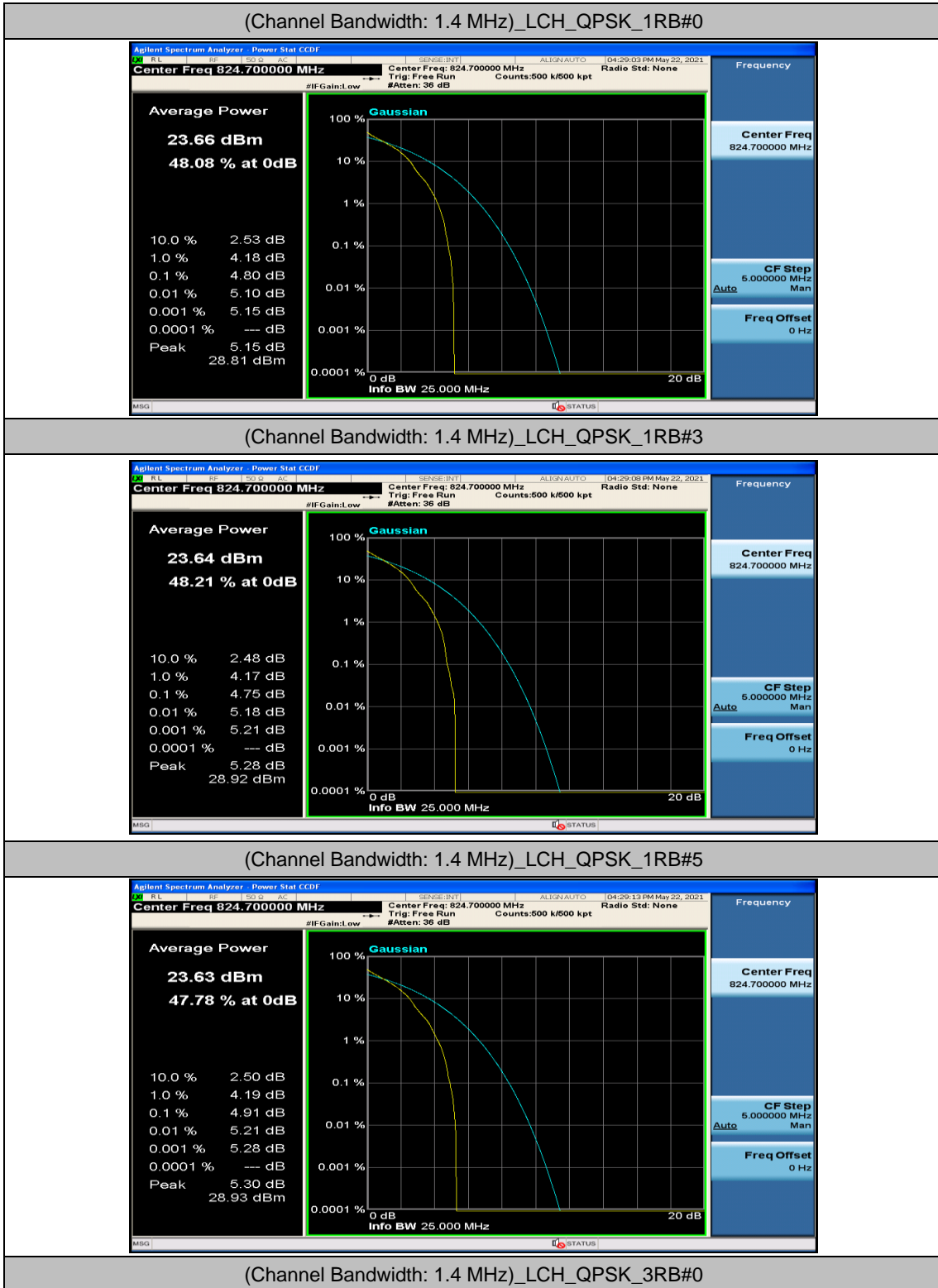
### Channel Bandwidth: 10 MHz

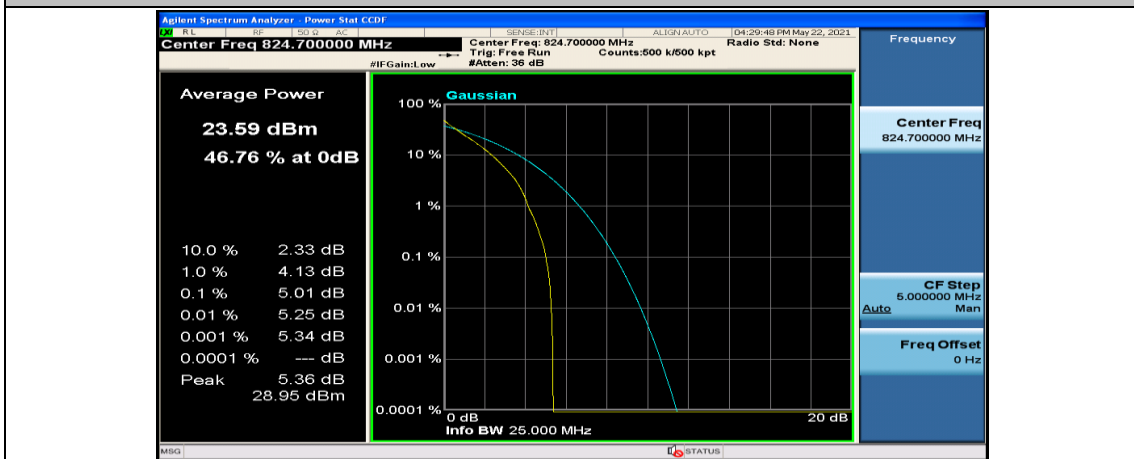
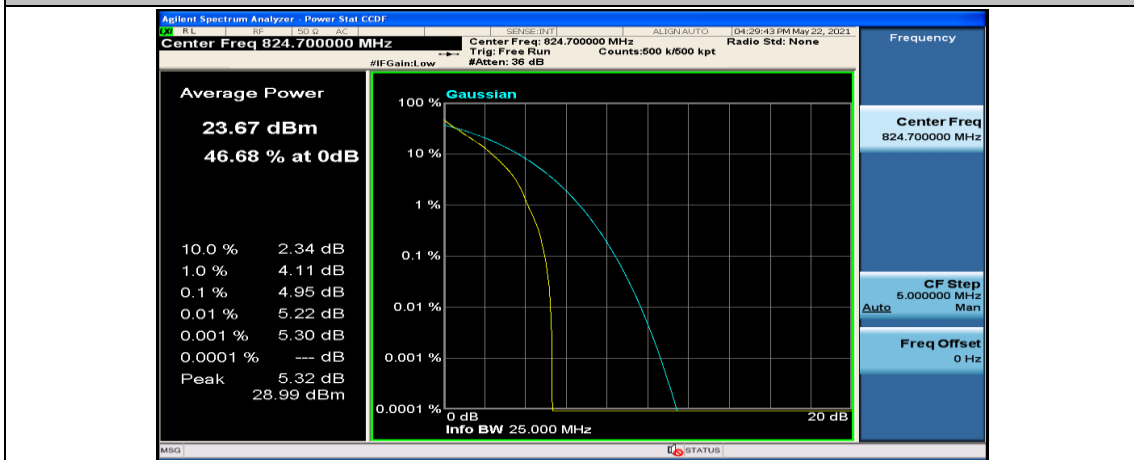
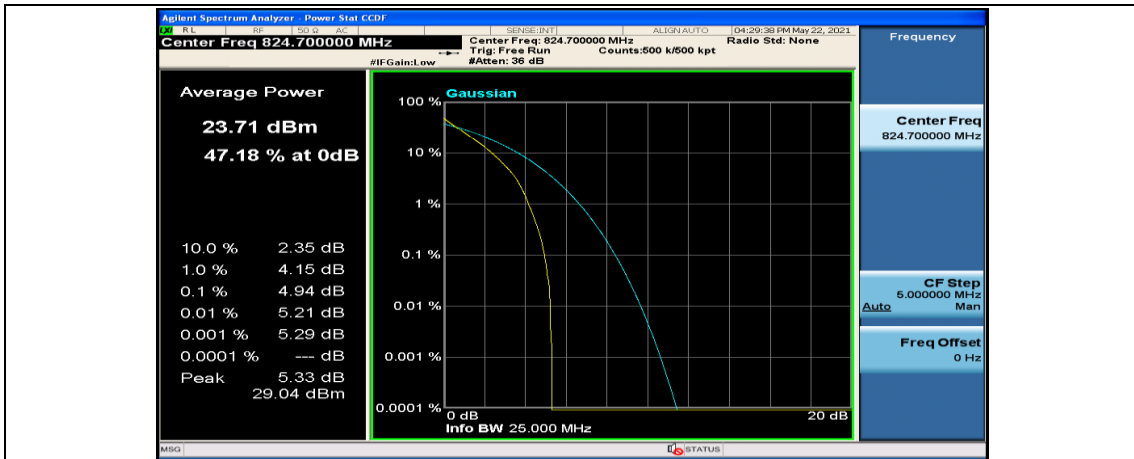
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.87	<13	PASS
		1	24	5.17	<13	PASS
		1	49	5.17	<13	PASS
		25	0	5.36	<13	PASS
		25	12	5.44	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.4	<13	PASS
	MCH	1	0	4.84	<13	PASS
		1	24	4.96	<13	PASS
		1	49	4.89	<13	PASS
		25	0	5.42	<13	PASS
		25	12	5.41	<13	PASS
		25	25	5.47	<13	PASS

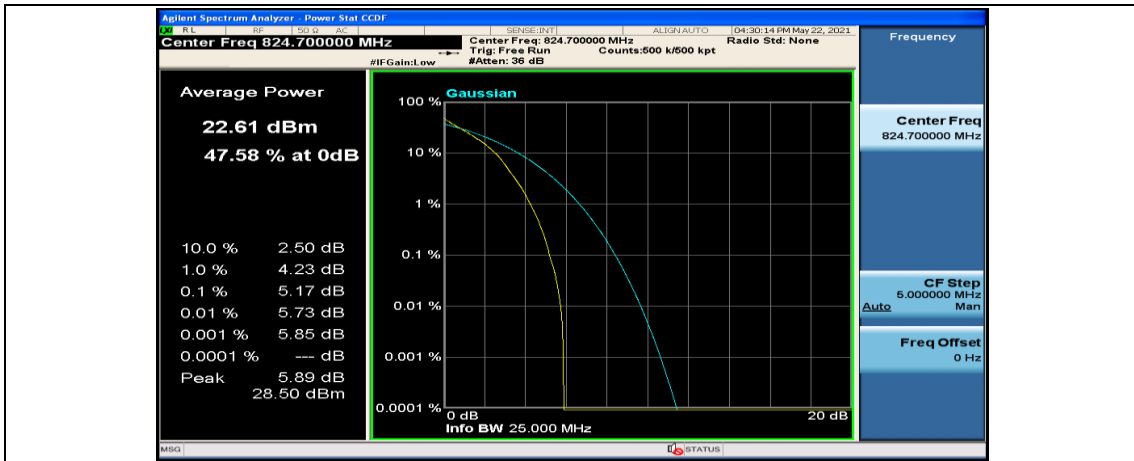
		50	0	5.47	<13	PASS
	HCH	1	0	5.14	<13	PASS
		1	24	4.78	<13	PASS
		1	49	4.6	<13	PASS
		25	0	5.38	<13	PASS
		25	12	5.28	<13	PASS
		25	25	5.19	<13	PASS
		50	0	5.29	<13	PASS
16QAM	LCH	1	0	5.66	<13	PASS
		1	24	5.96	<13	PASS
		1	49	5.79	<13	PASS
		25	0	6.21	<13	PASS
		25	12	6.2	<13	PASS
		25	25	6.3	<13	PASS
		50	0	6.1	<13	PASS
	MCH	1	0	5.82	<13	PASS
		1	24	5.78	<13	PASS
		1	49	5.91	<13	PASS
		25	0	6.26	<13	PASS
		25	12	6.21	<13	PASS
		25	25	6.17	<13	PASS
		50	0	6.15	<13	PASS
	HCH	1	0	6.57	<13	PASS
		1	24	5.95	<13	PASS
		1	49	5.79	<13	PASS
		25	0	6.17	<13	PASS
		25	12	6.17	<13	PASS
		25	25	5.97	<13	PASS
		50	0	6.07	<13	PASS

## Test Graphs

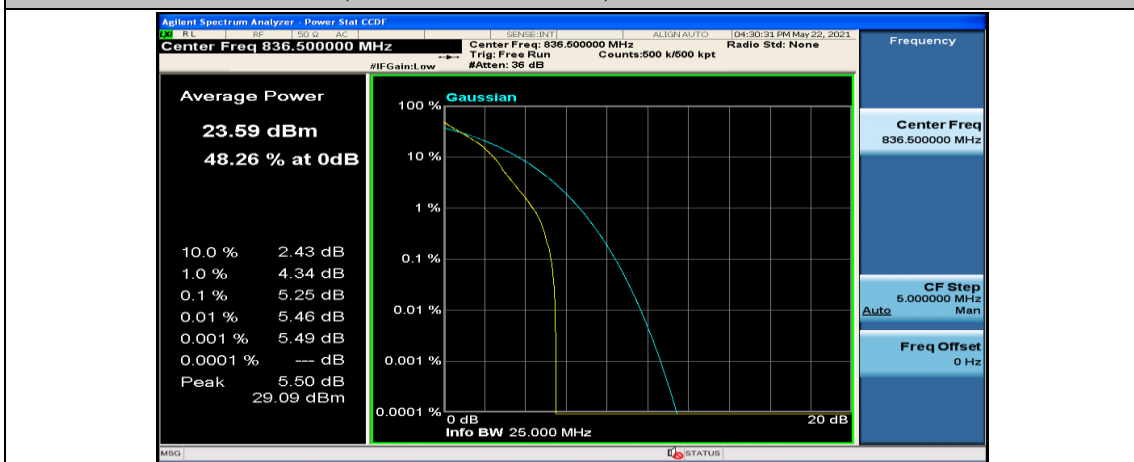
### Channel Bandwidth: 1.4 MHz



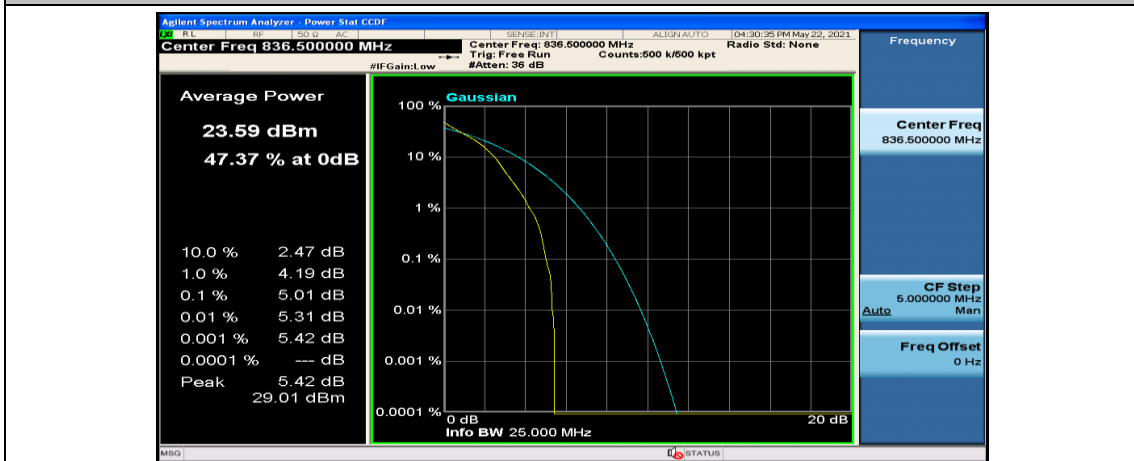




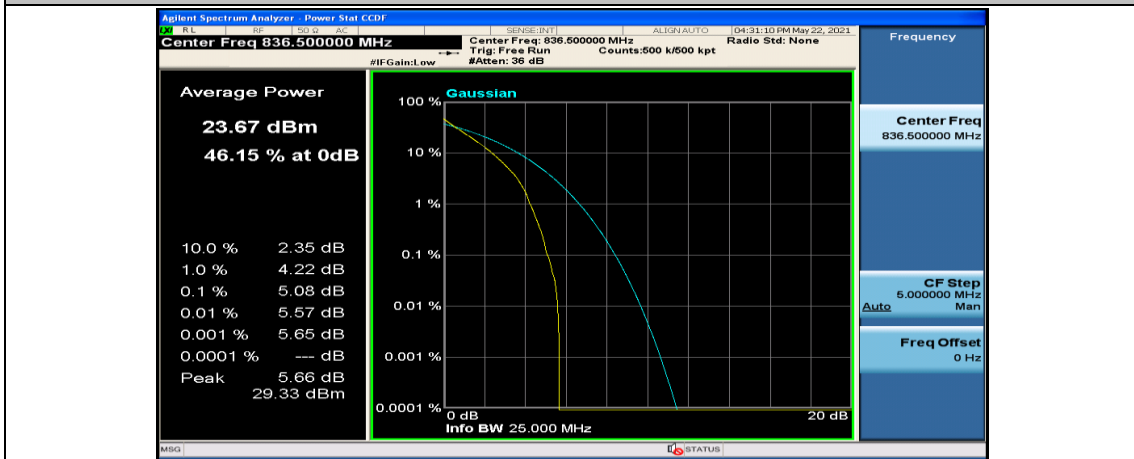
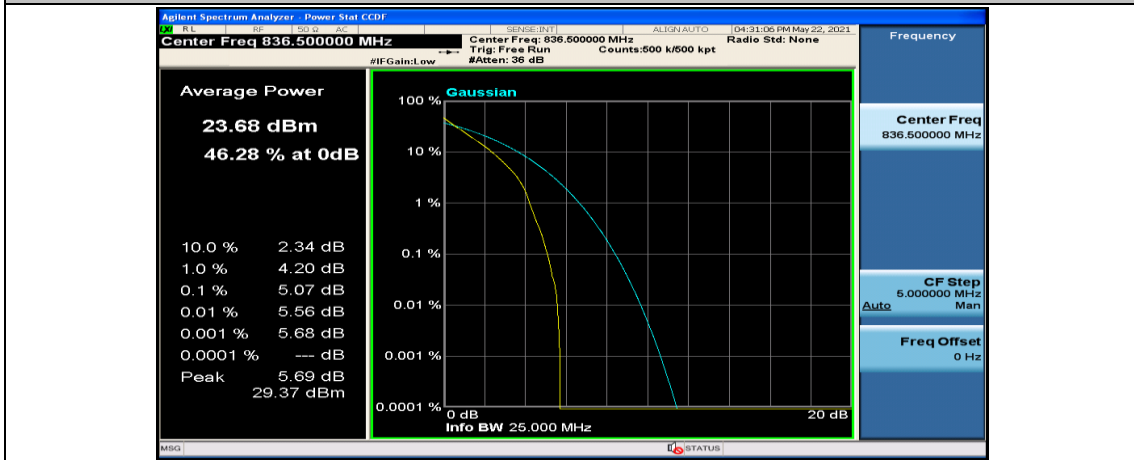
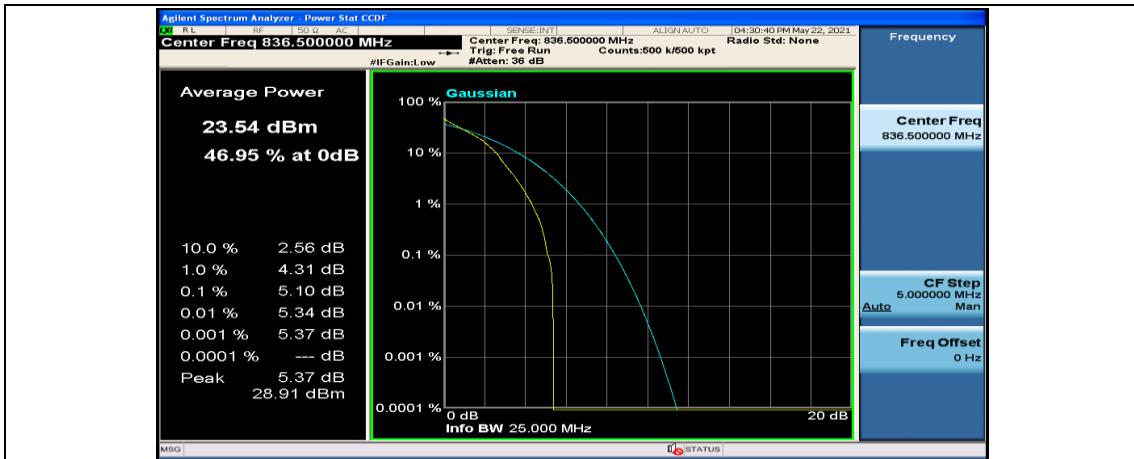
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#0

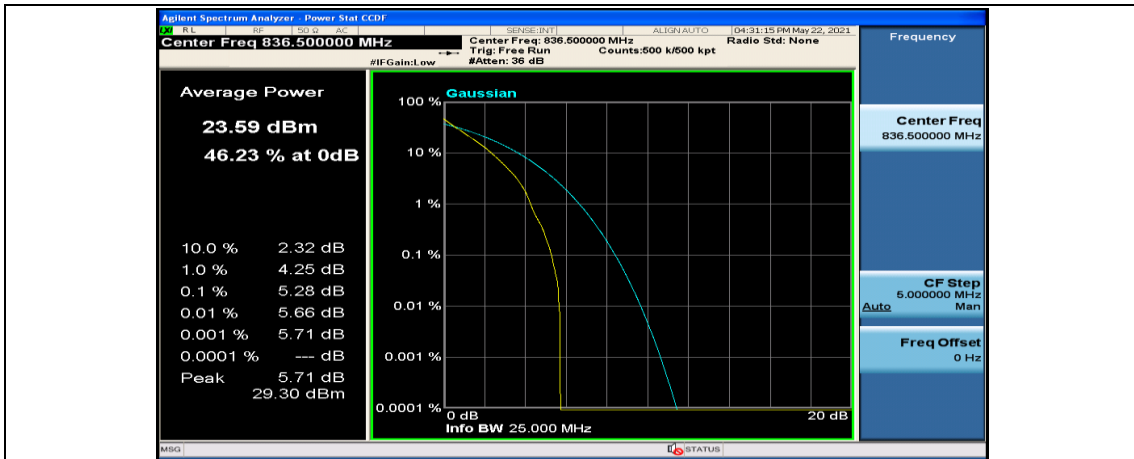


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#3

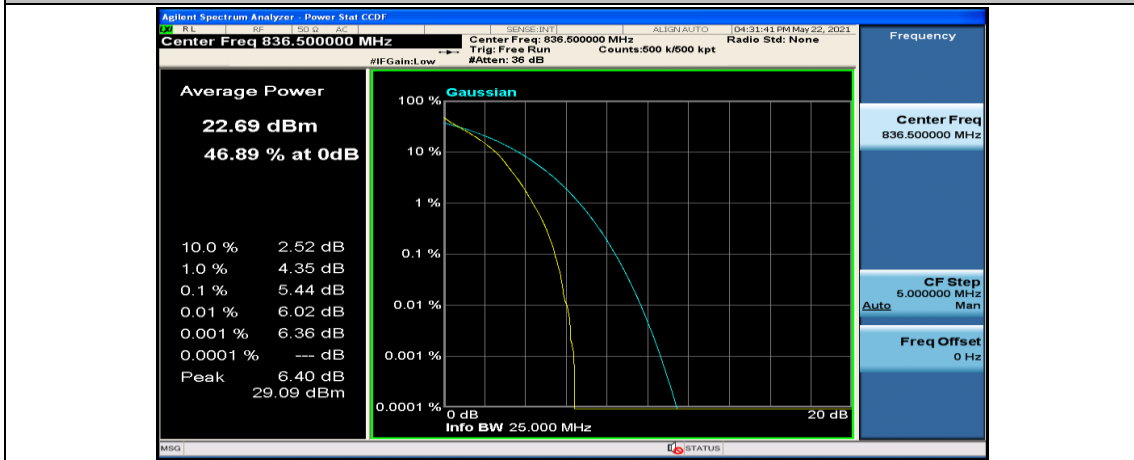


(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5

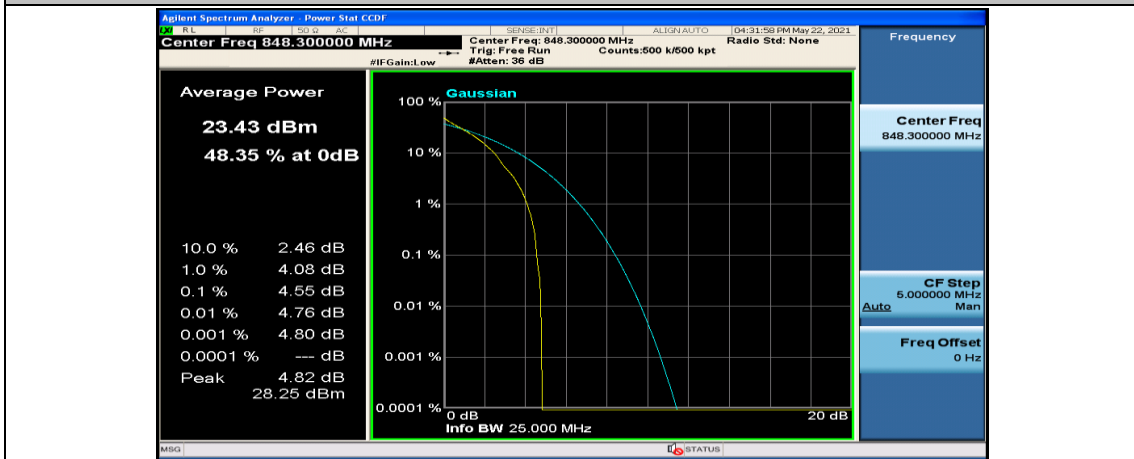




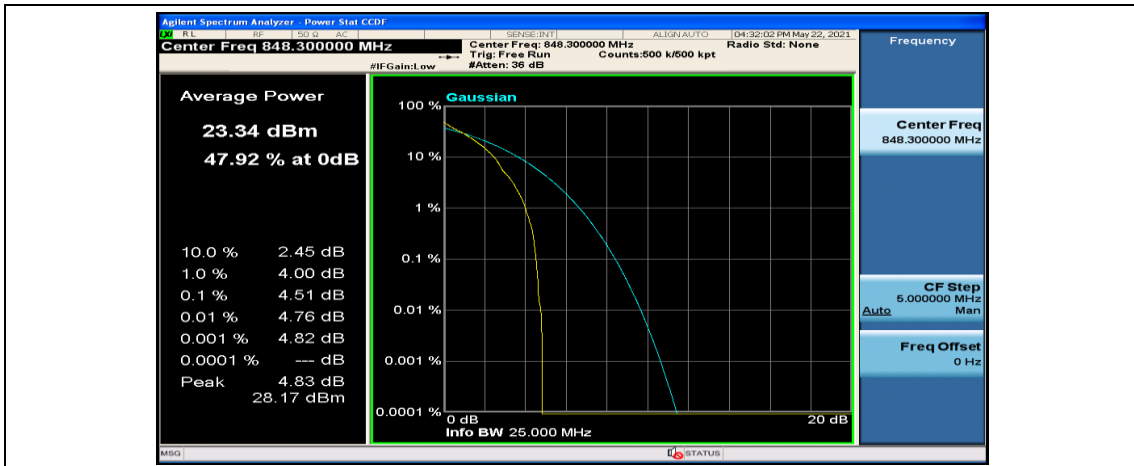
(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_6RB#0



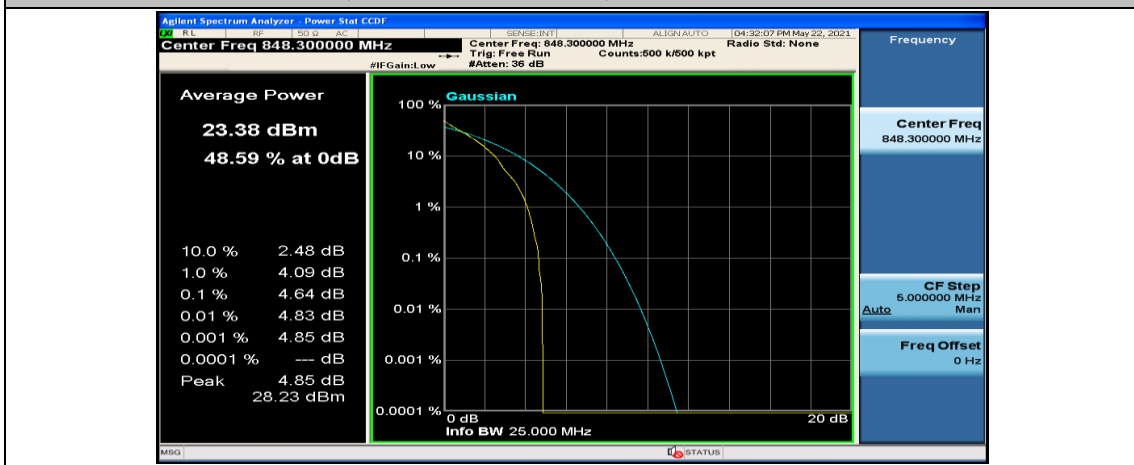
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#0



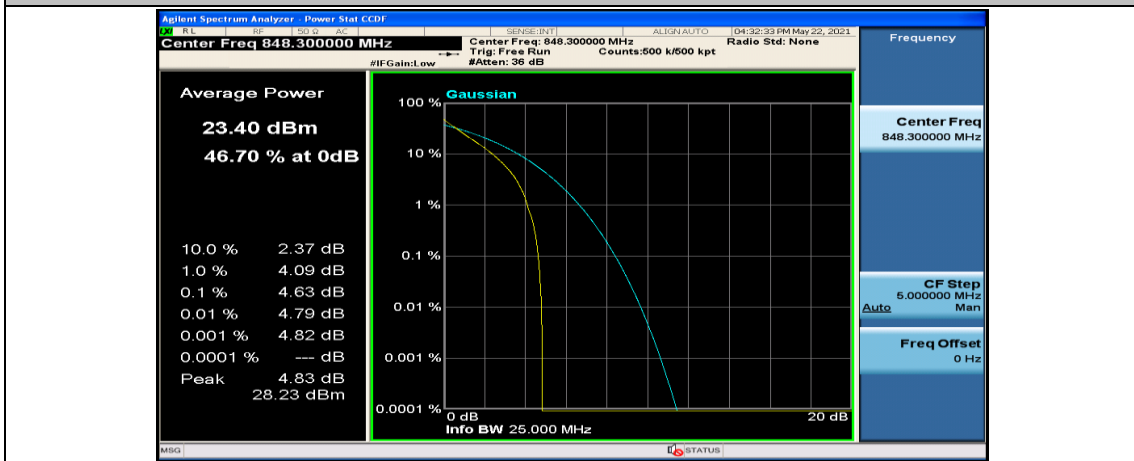
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#3



(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_1RB#5

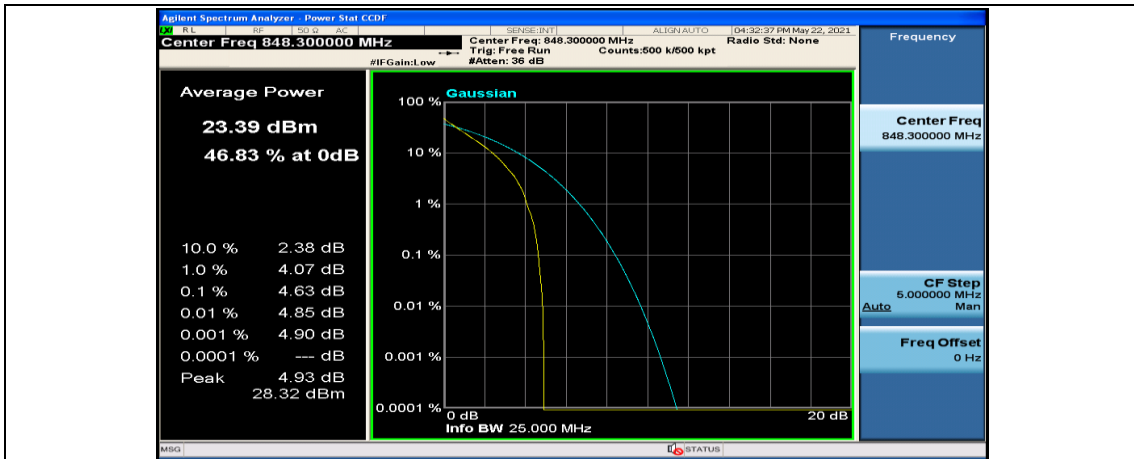


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_3RB#0

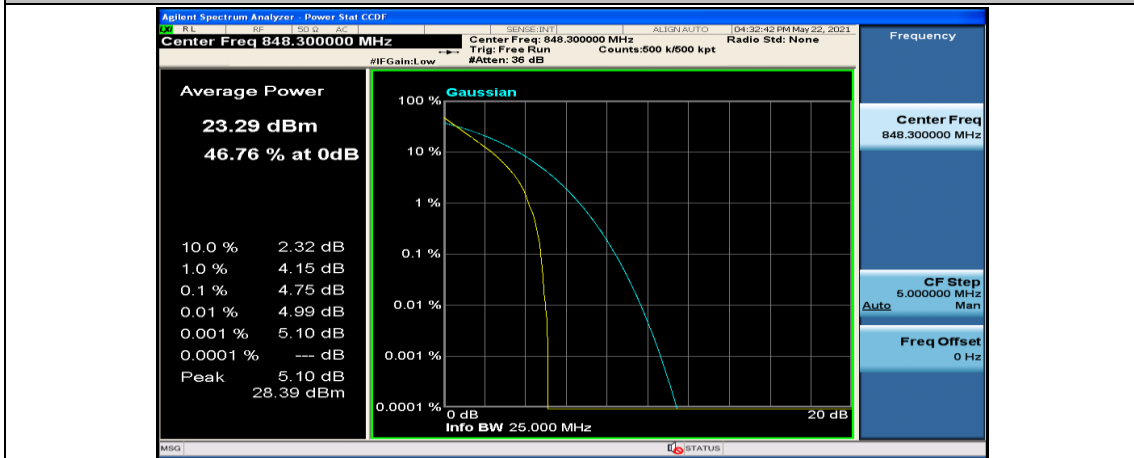


(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_3RB#2

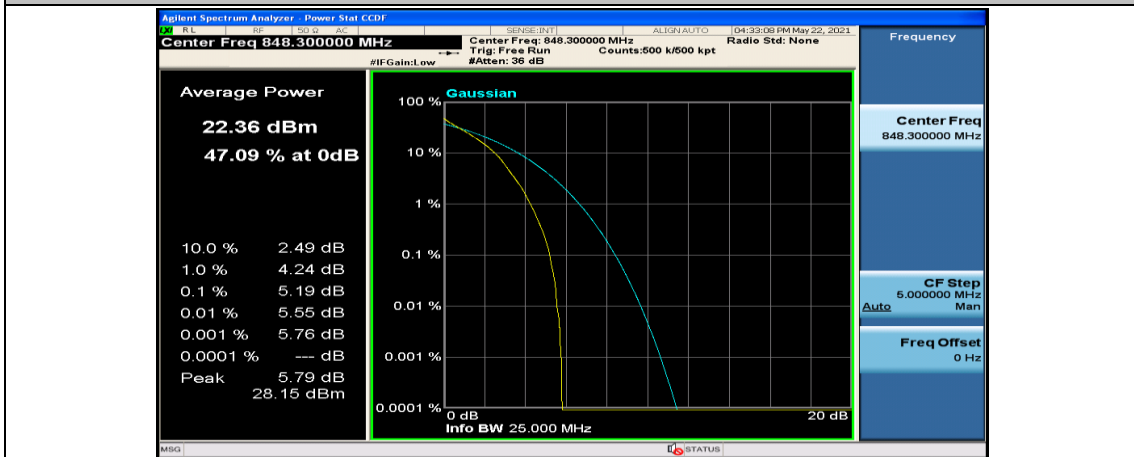


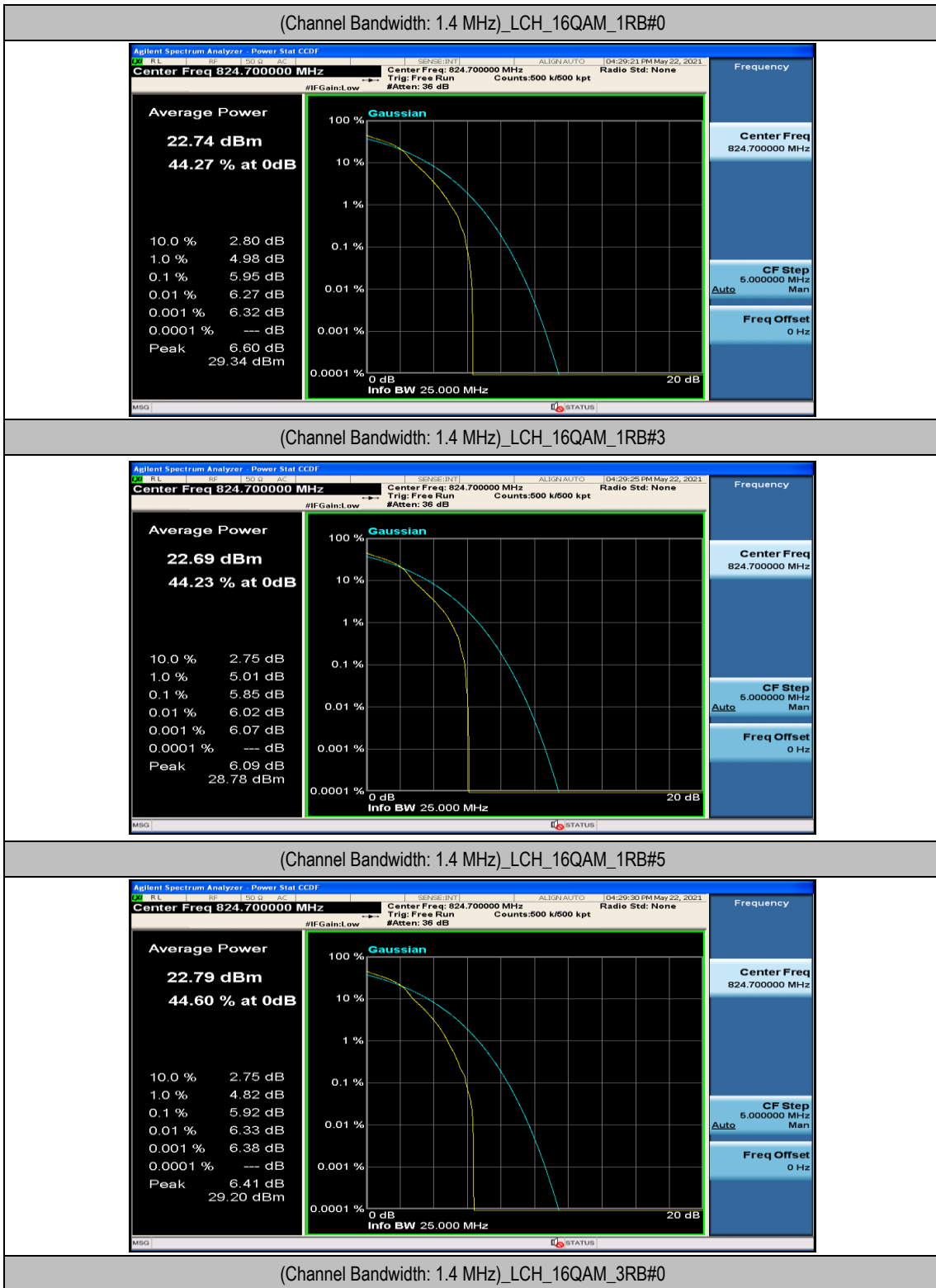


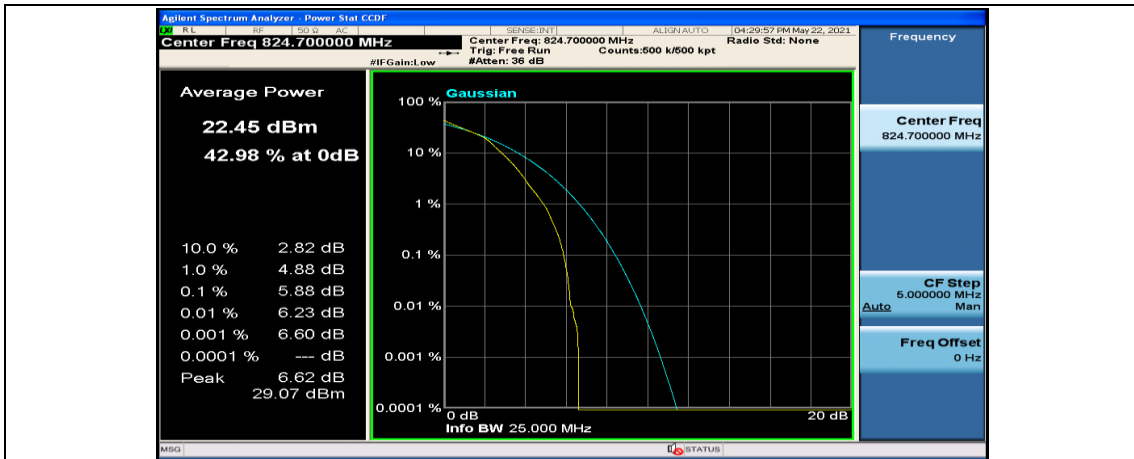
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_3RB#3



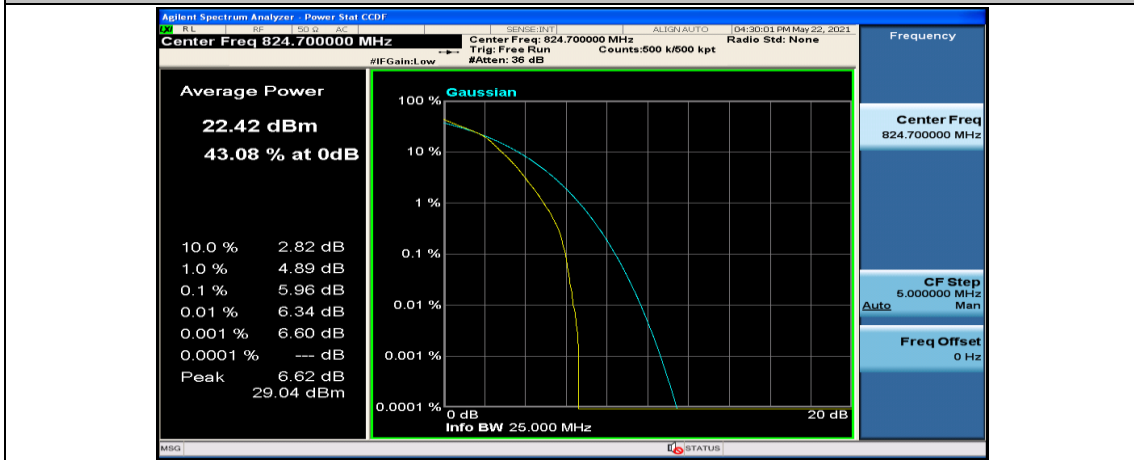
(Channel Bandwidth: 1.4 MHz)\_HCH\_QPSK\_6RB#0



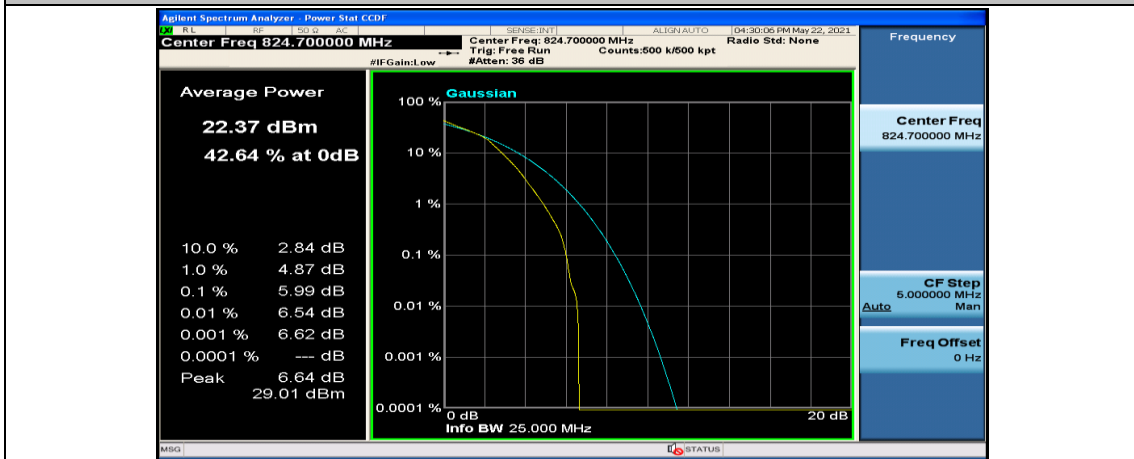




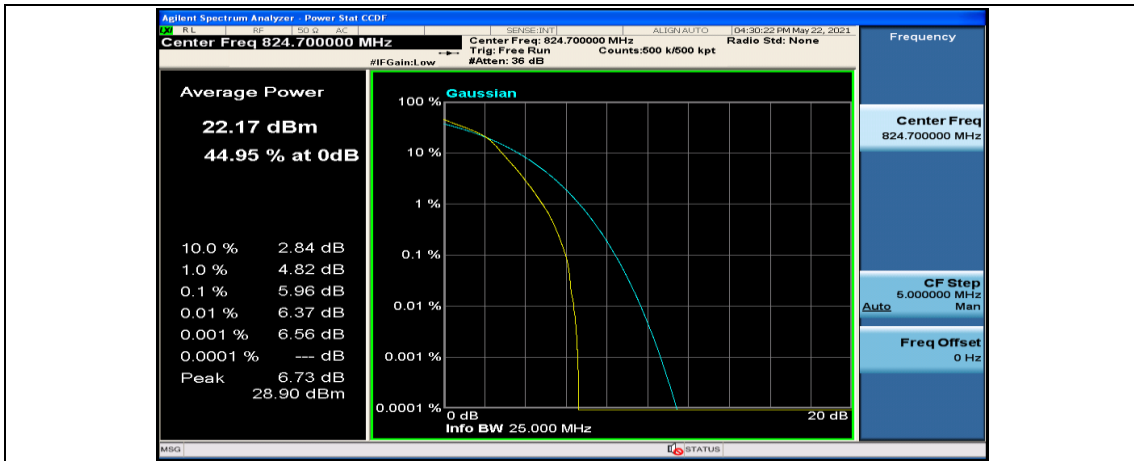
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#2



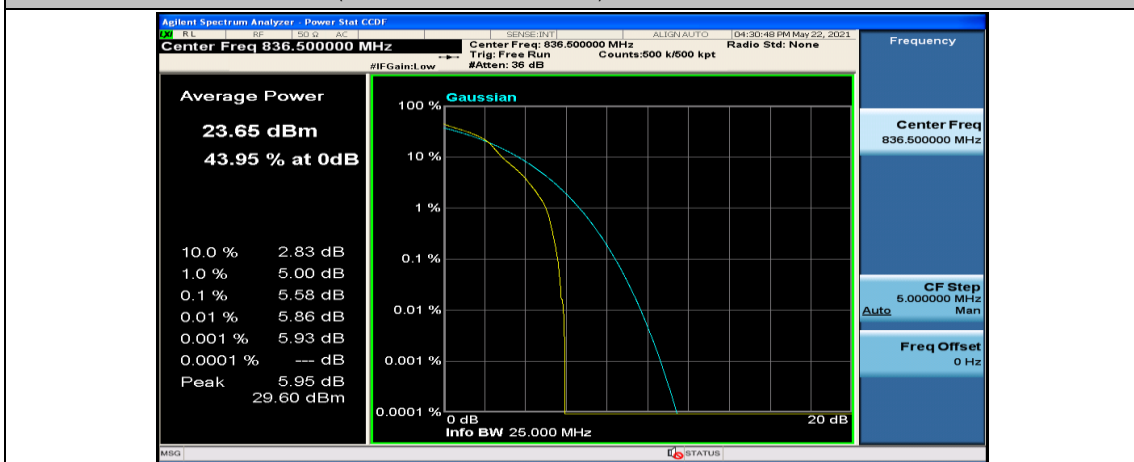
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_3RB#3



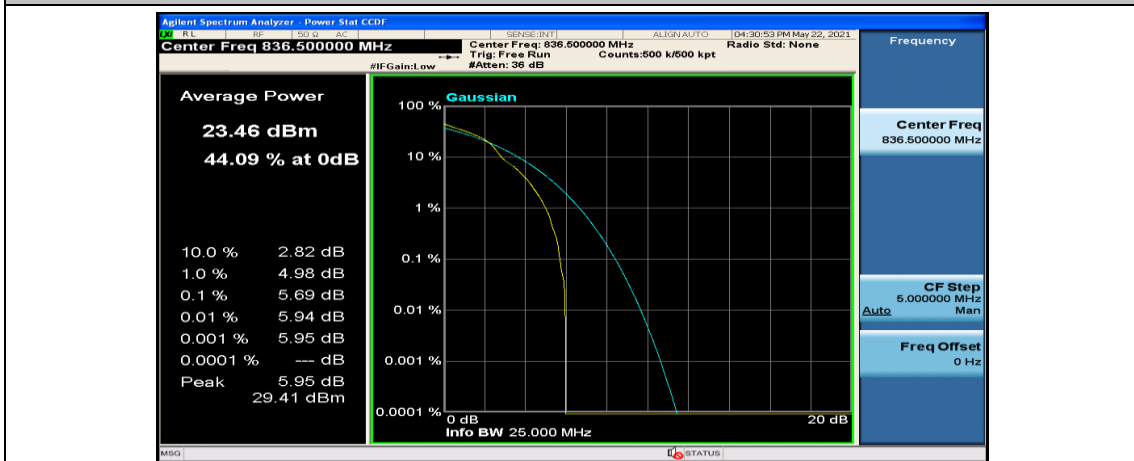
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_6RB#0



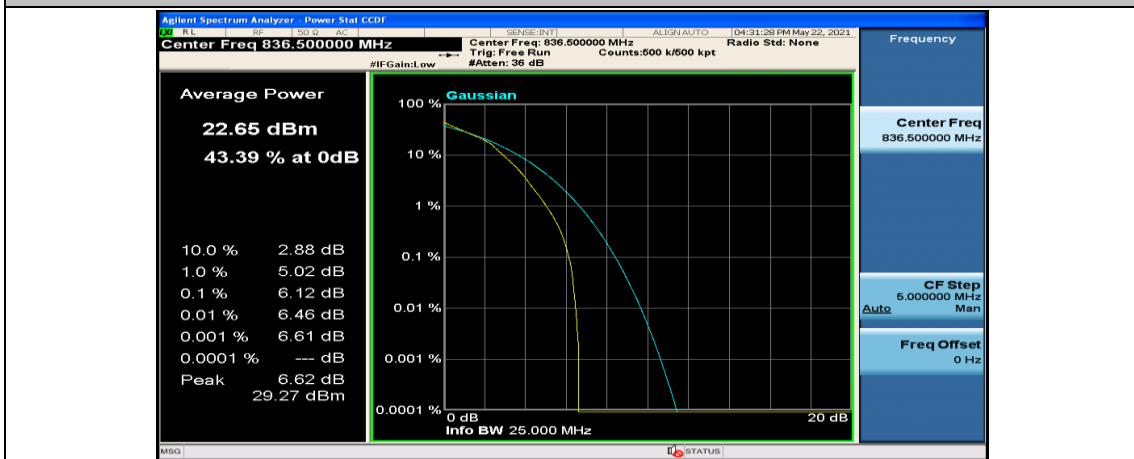
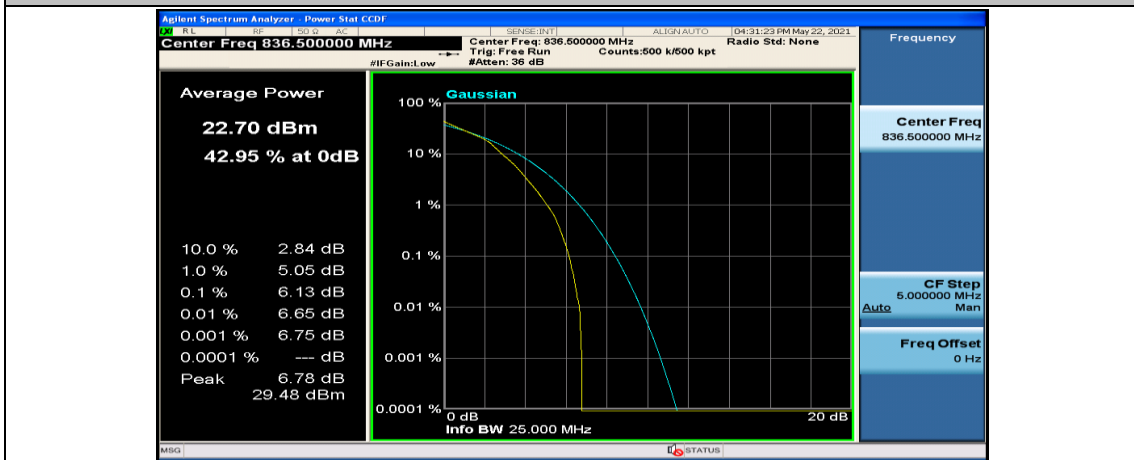
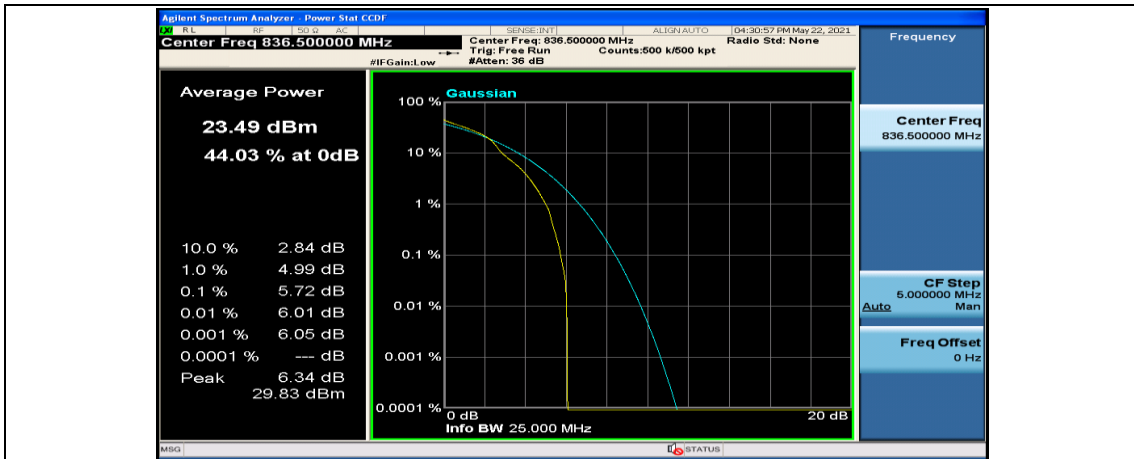
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#0

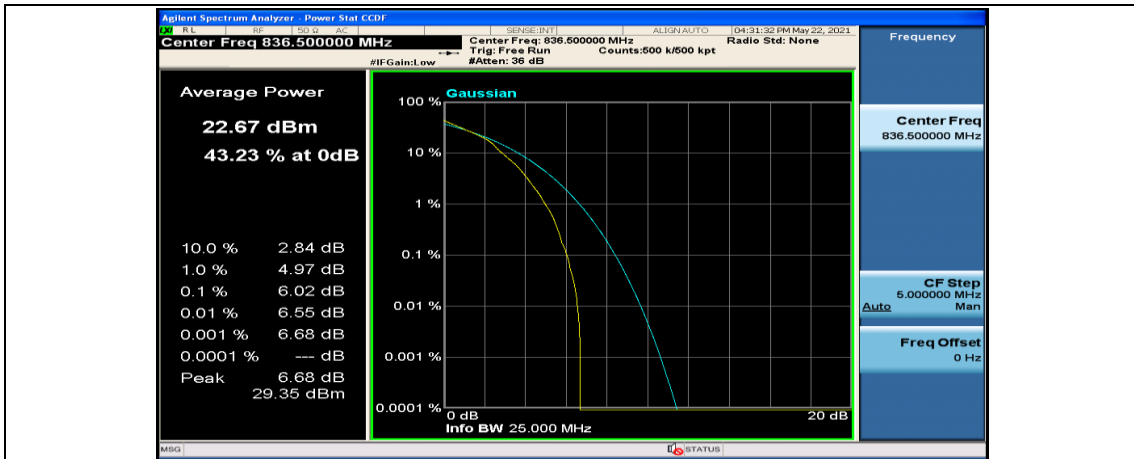


(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#3

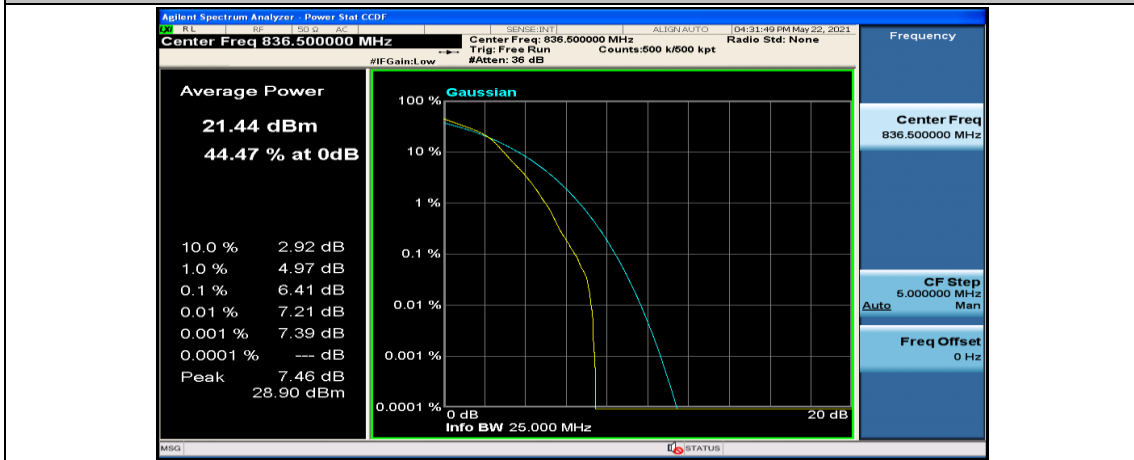


(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_1RB#5

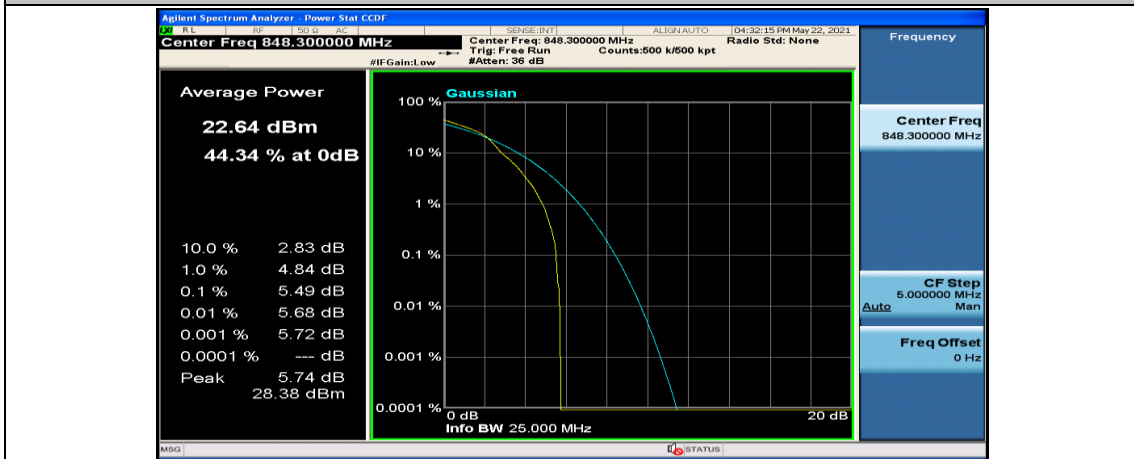




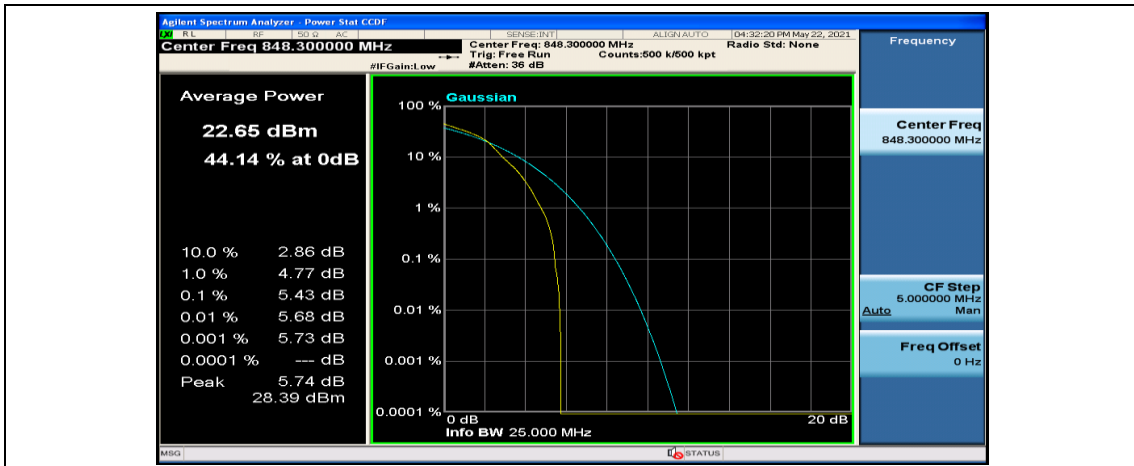
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_6RB#0



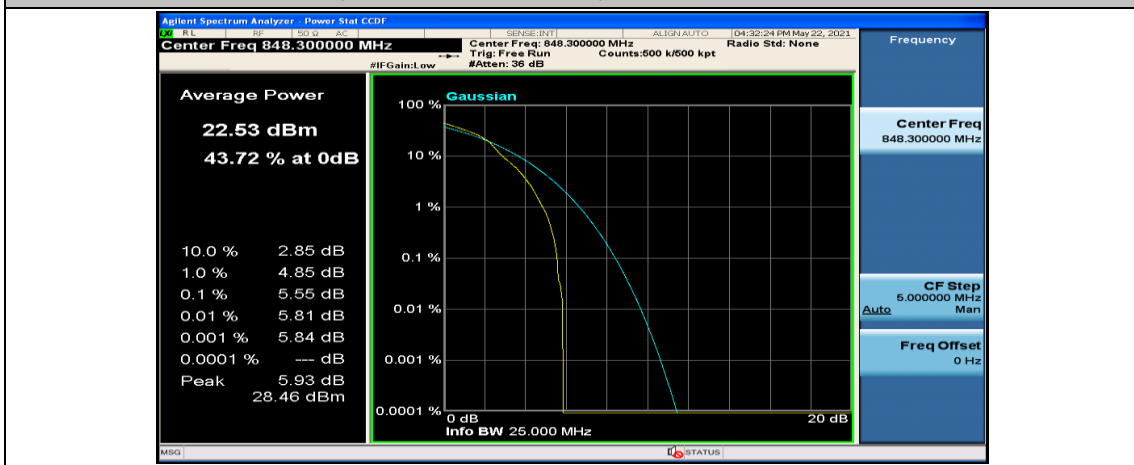
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#0



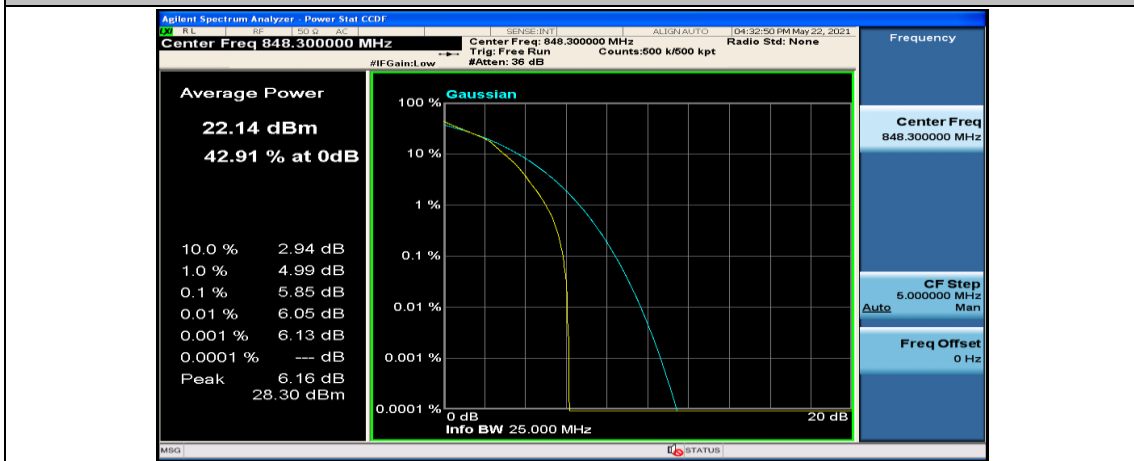
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#3



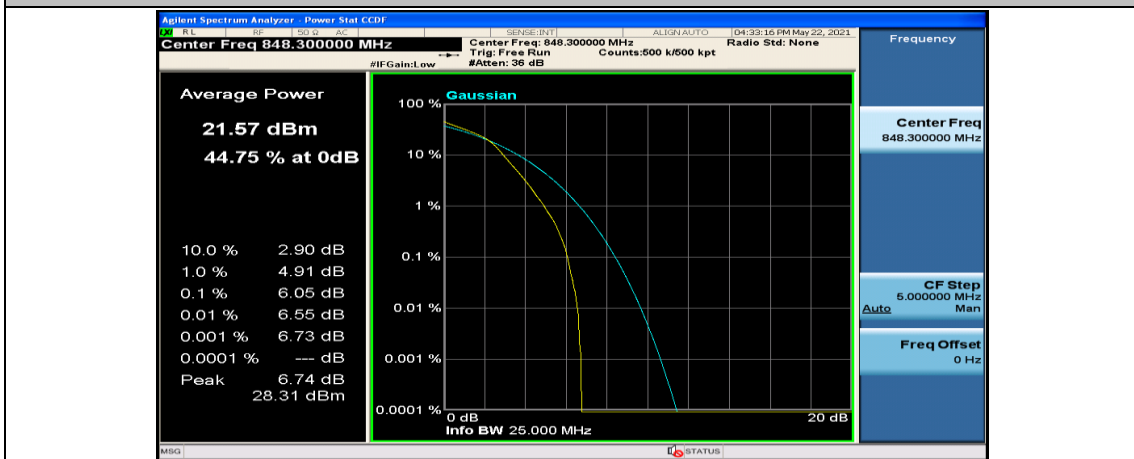
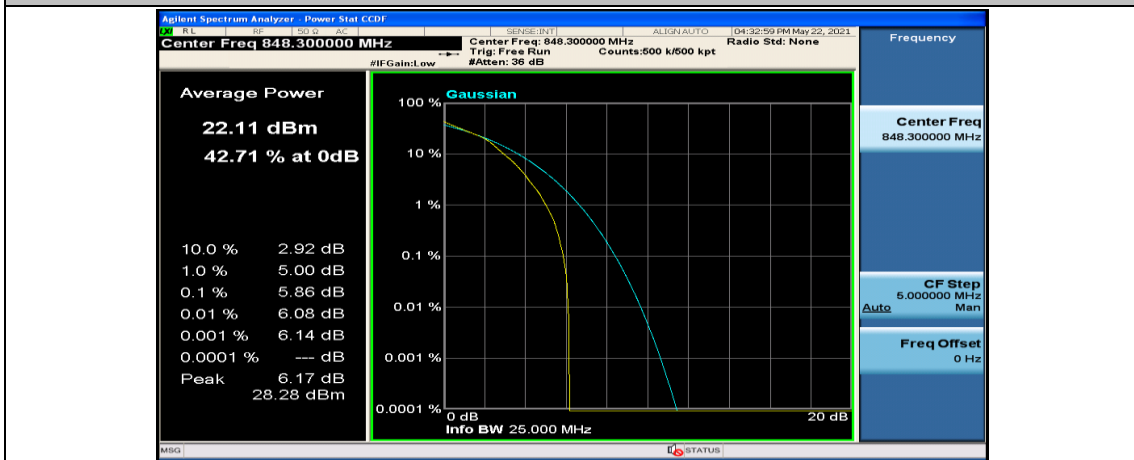
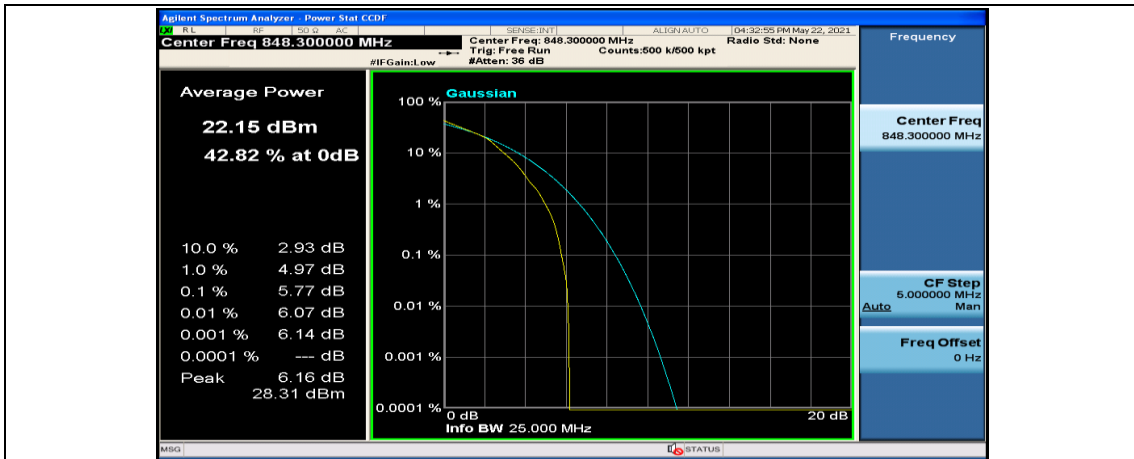
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_1RB#5



(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_3RB#0

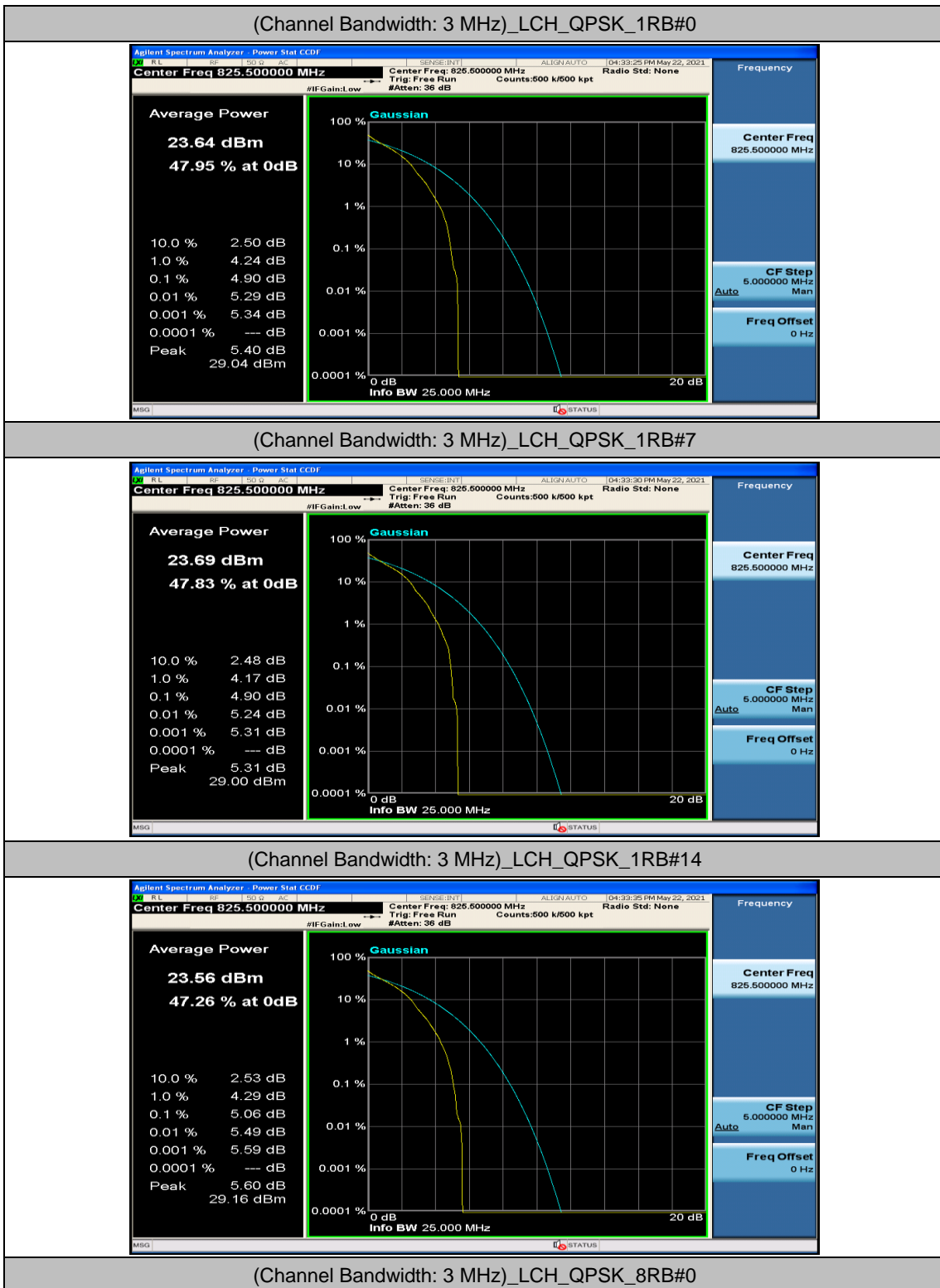


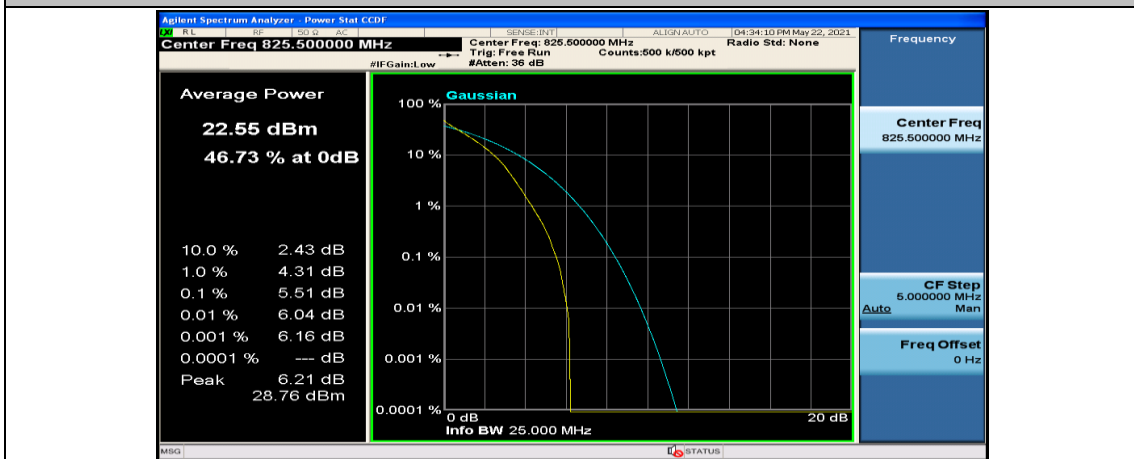
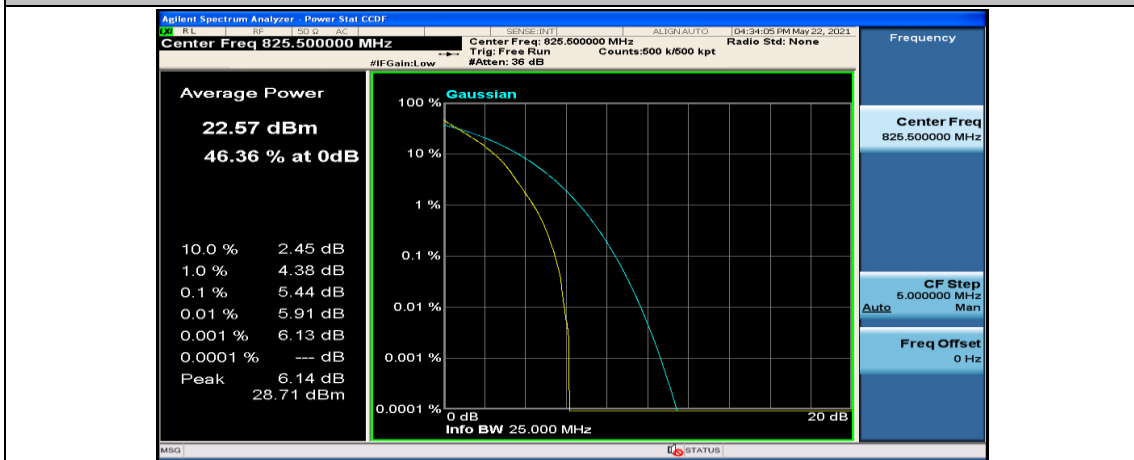
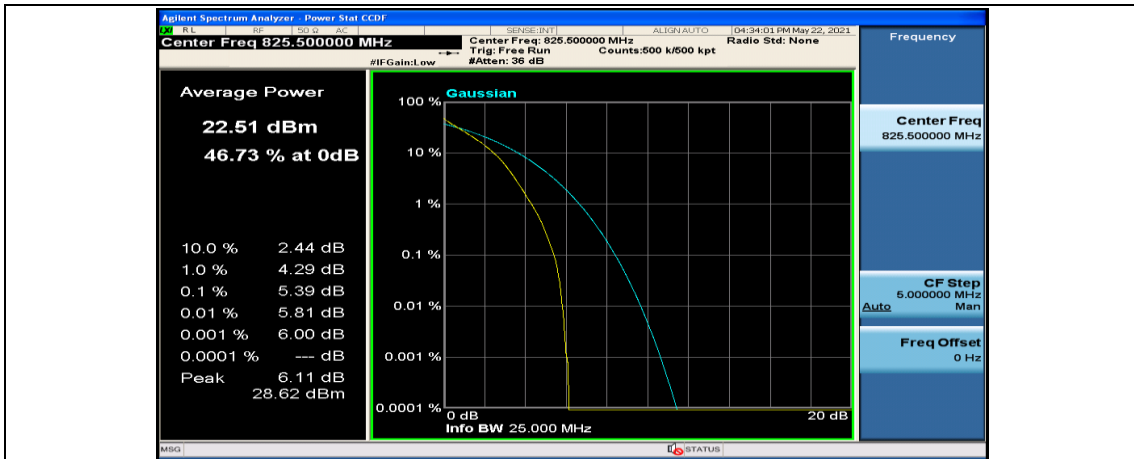
(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_3RB#2

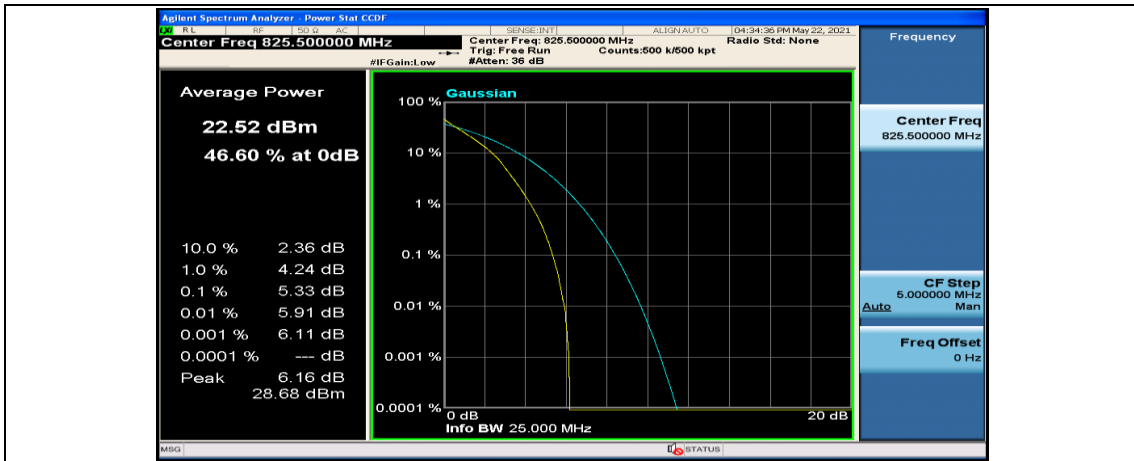




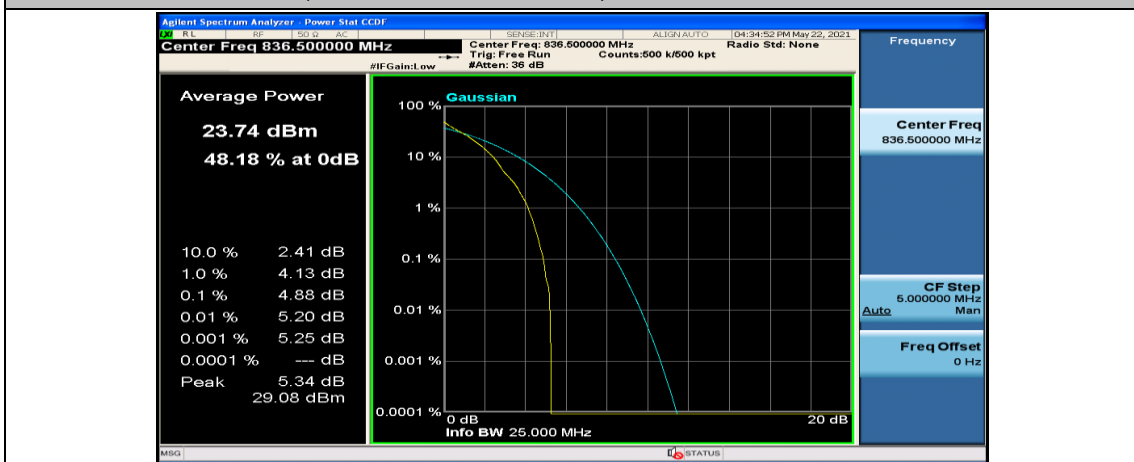
### Channel Bandwidth: 3 MHz



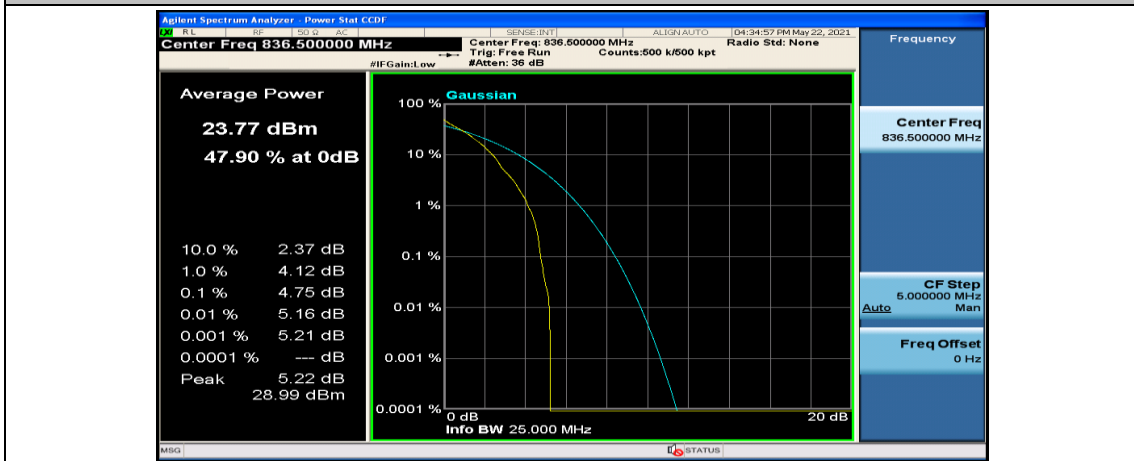




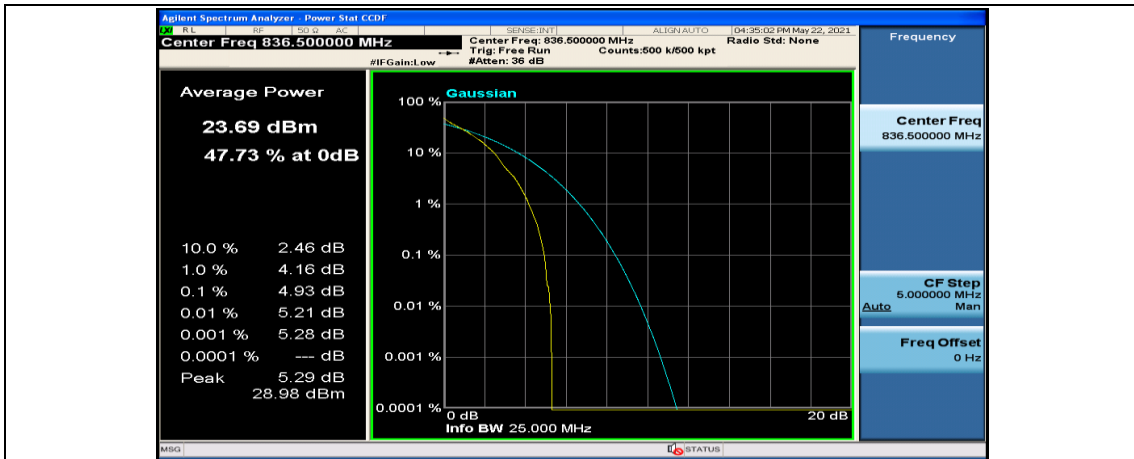
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#0



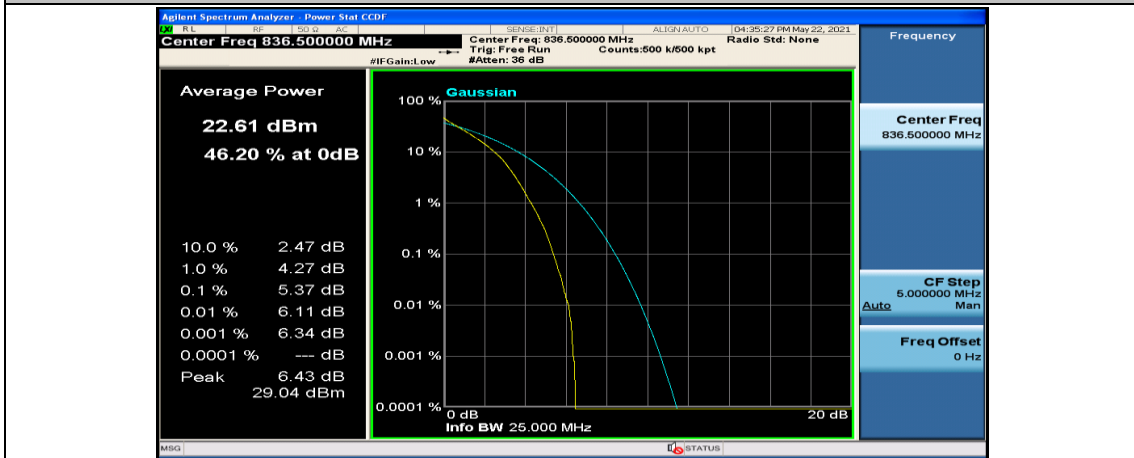
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#7



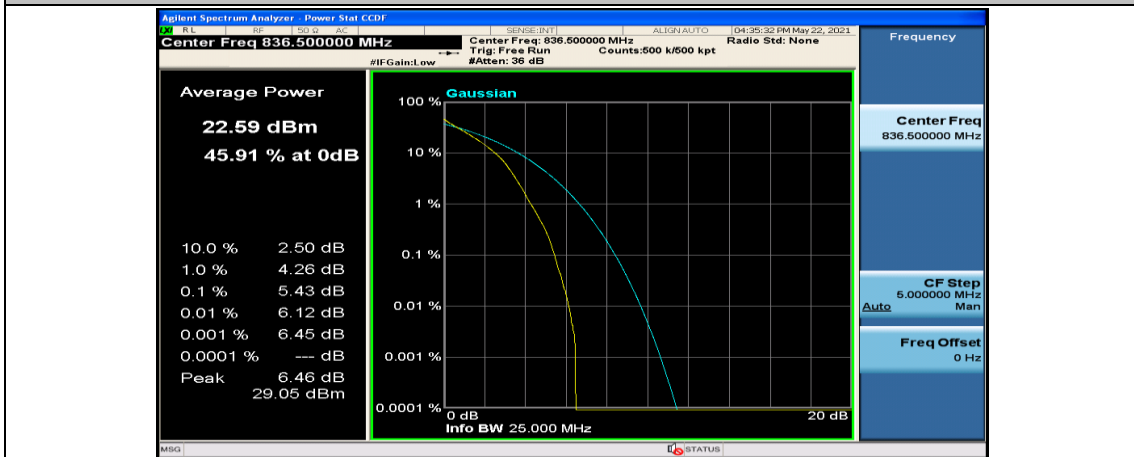
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14



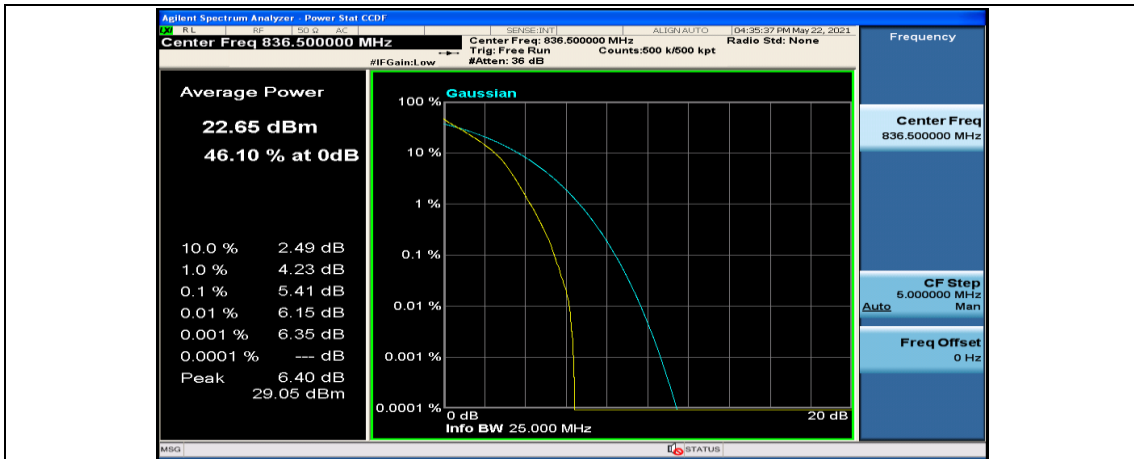
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#0



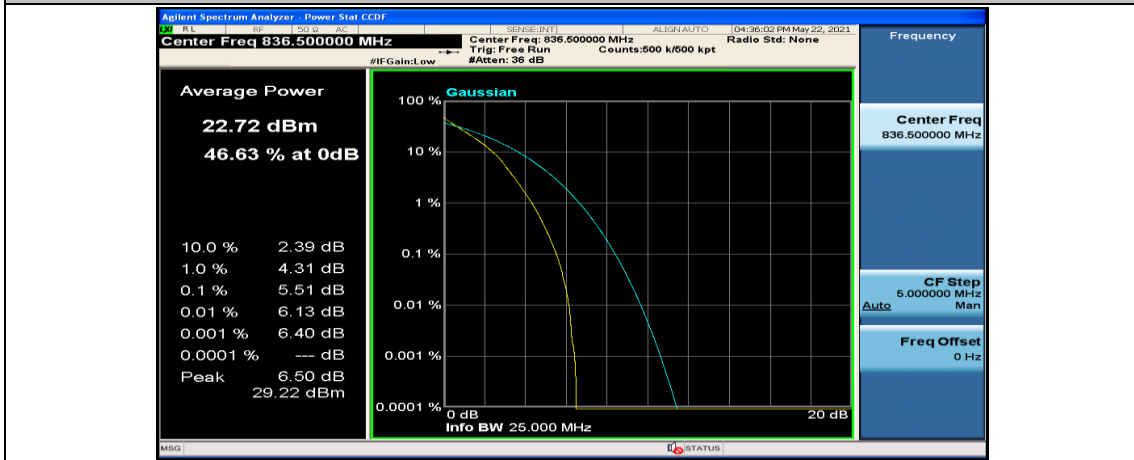
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#4



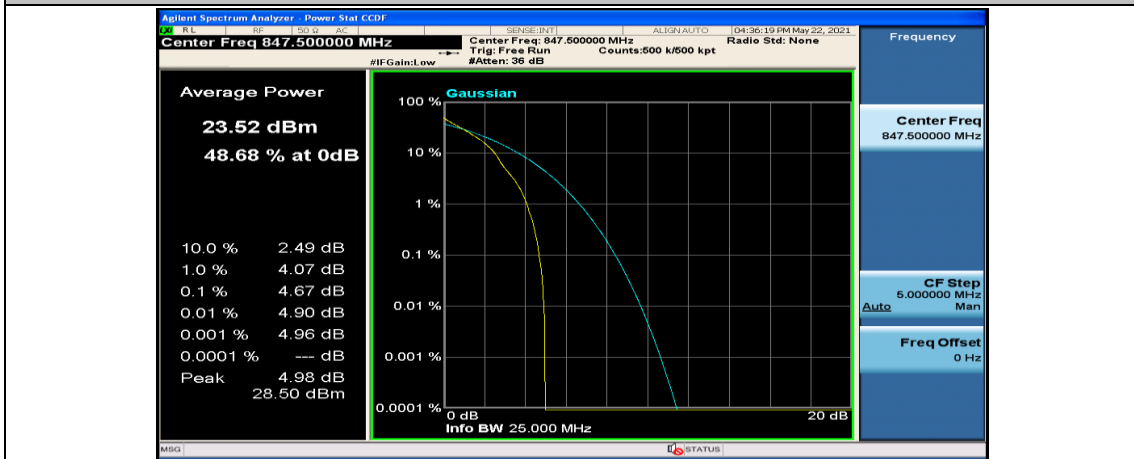
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_8RB#7



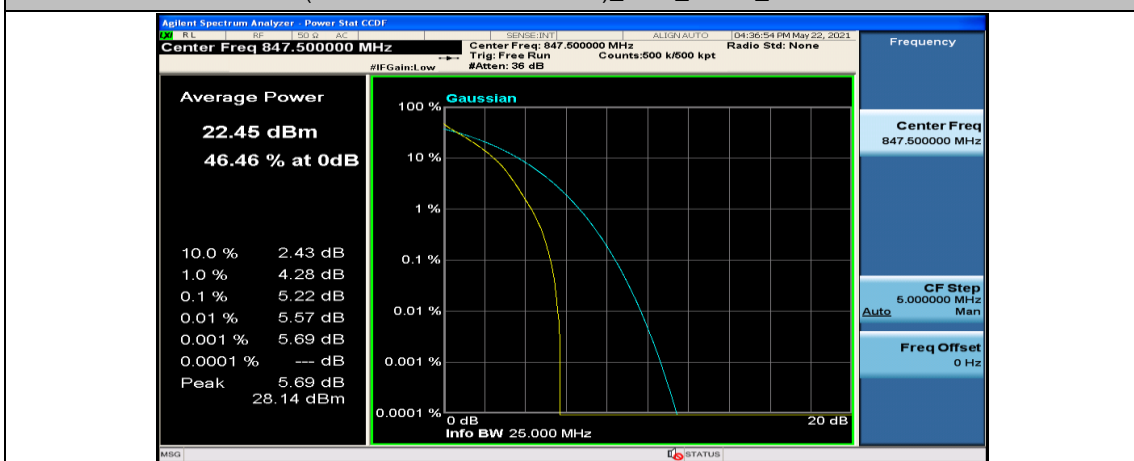
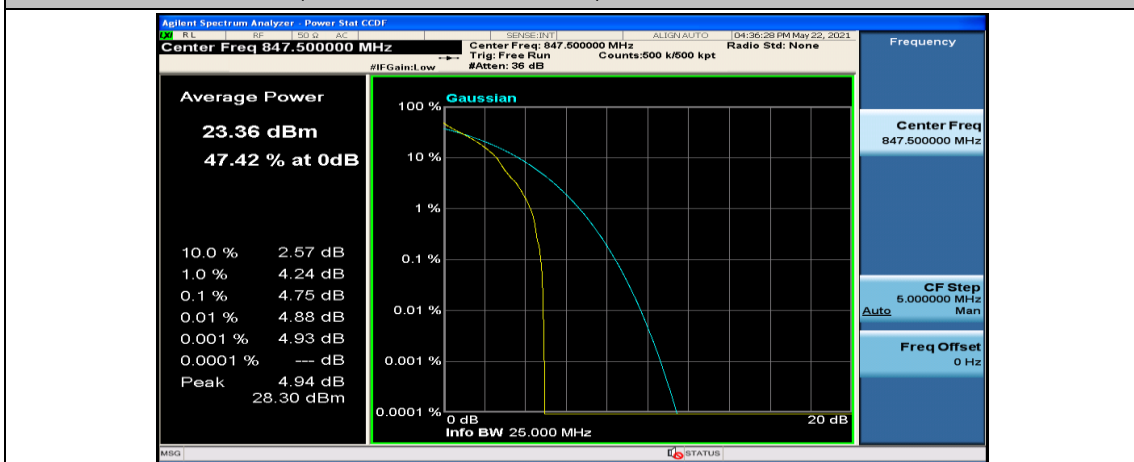
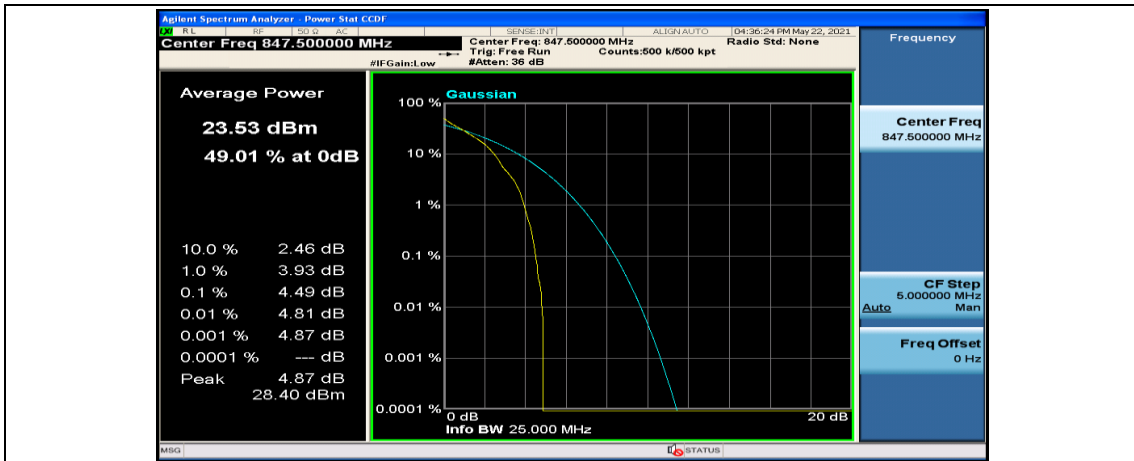
(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_15RB#0

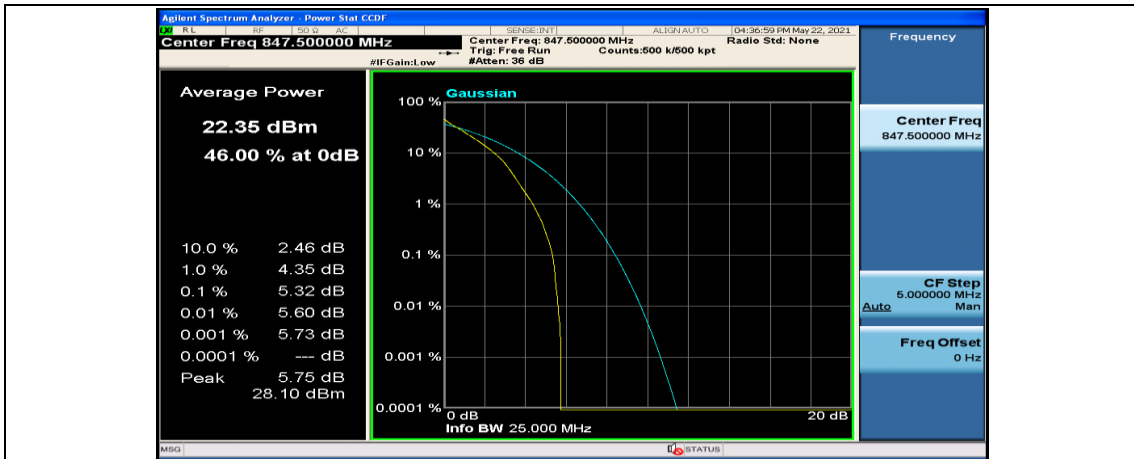


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#0

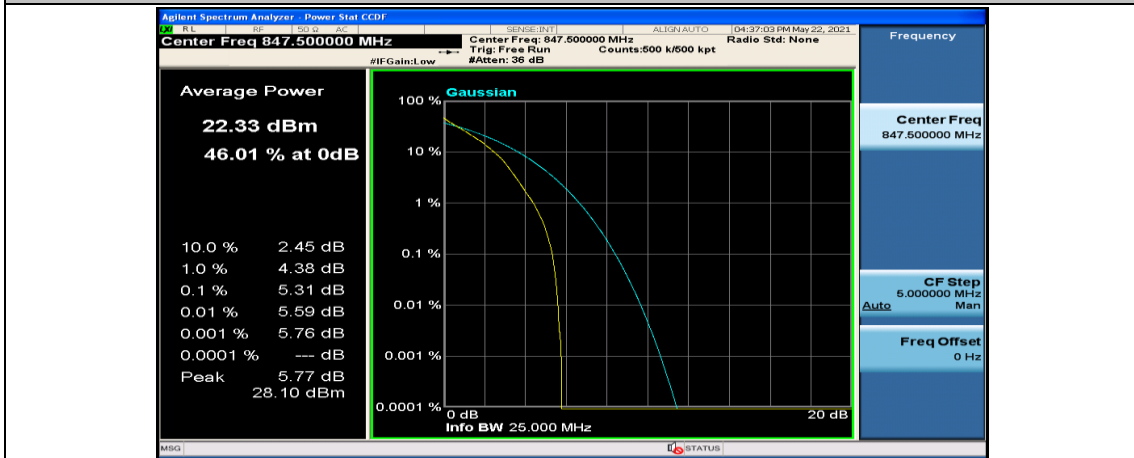


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_1RB#7

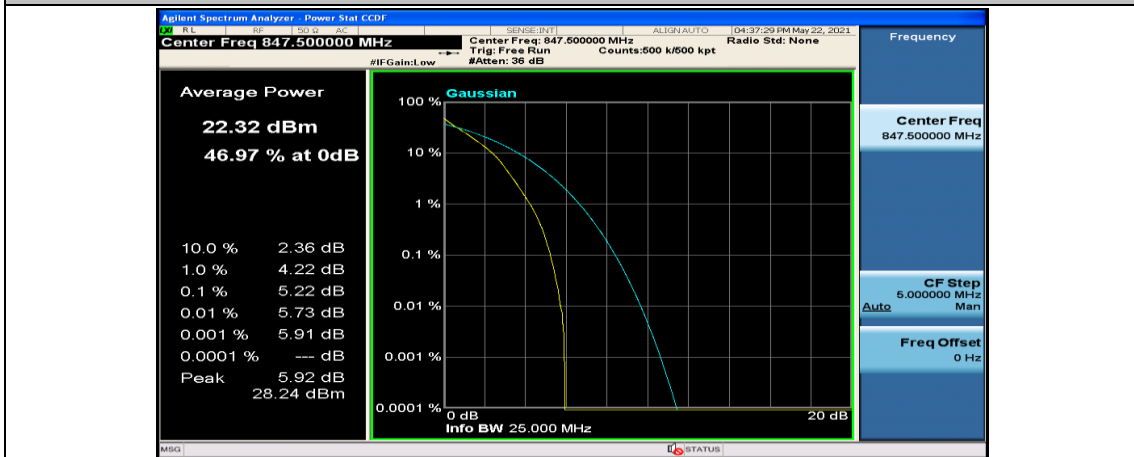


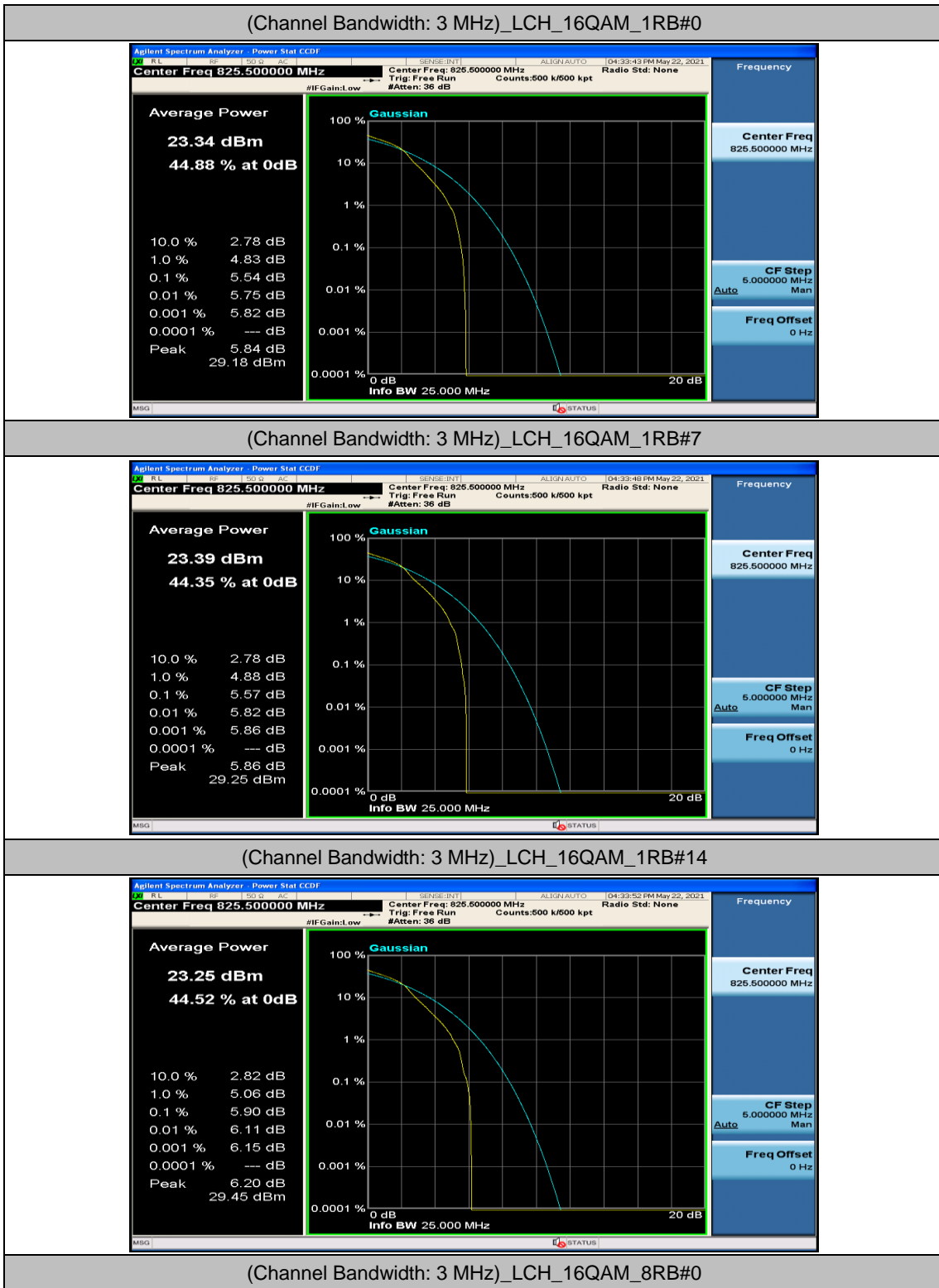


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_8RB#7

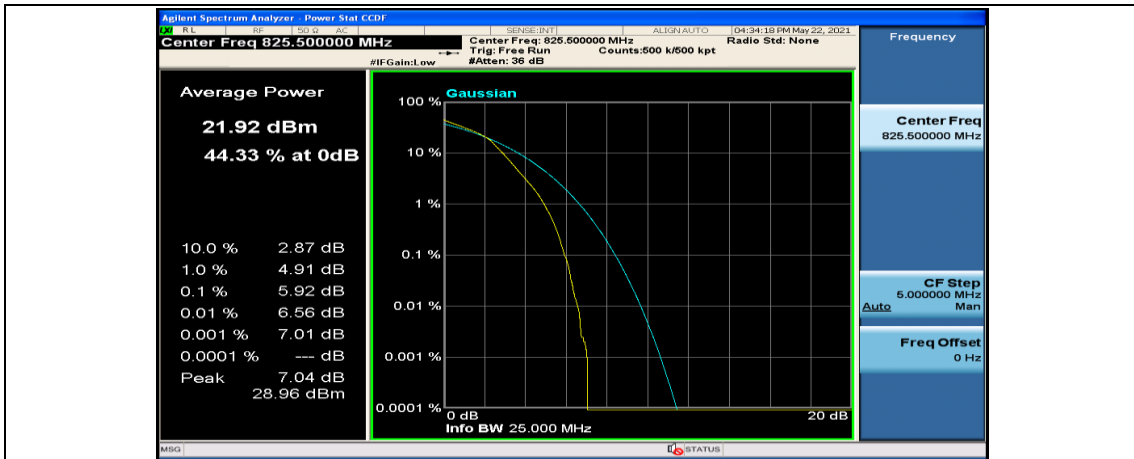


(Channel Bandwidth: 3 MHz)\_HCH\_QPSK\_15RB#0

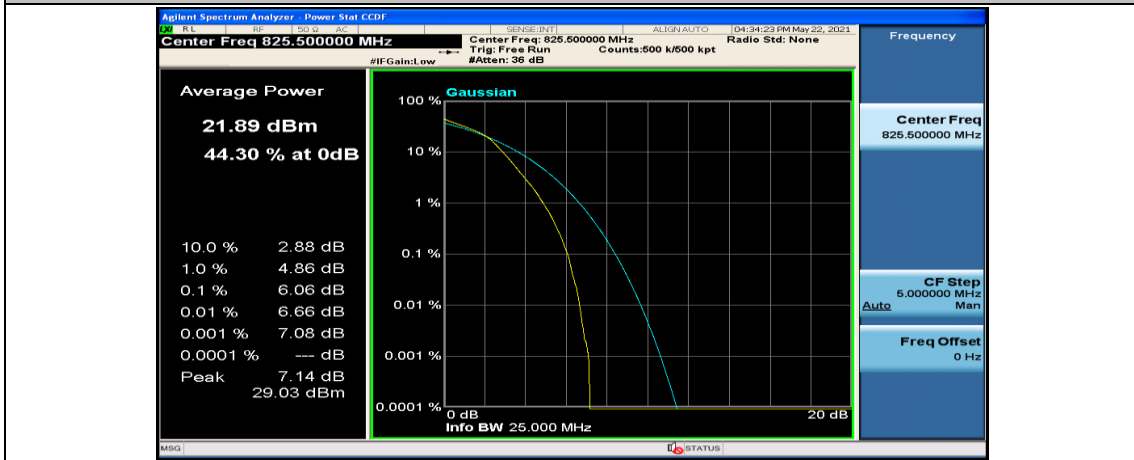




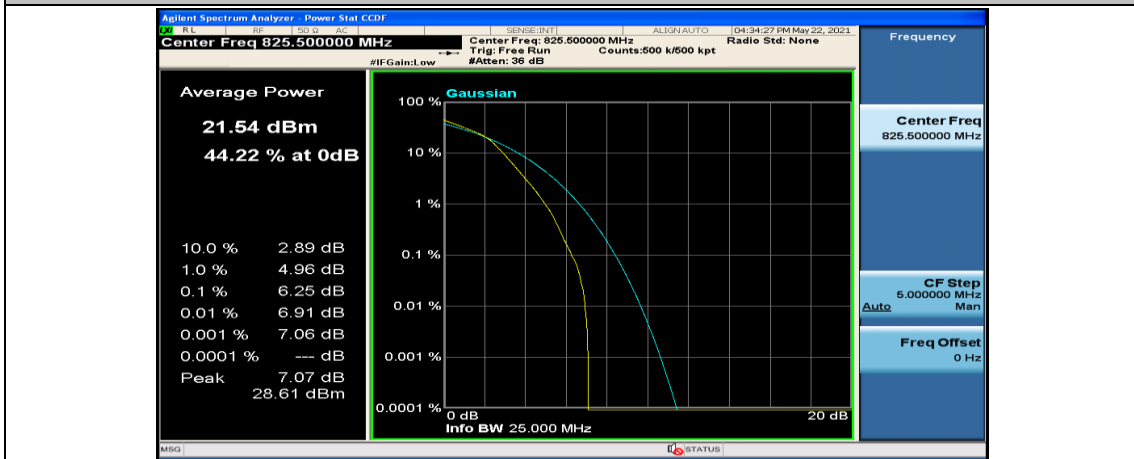




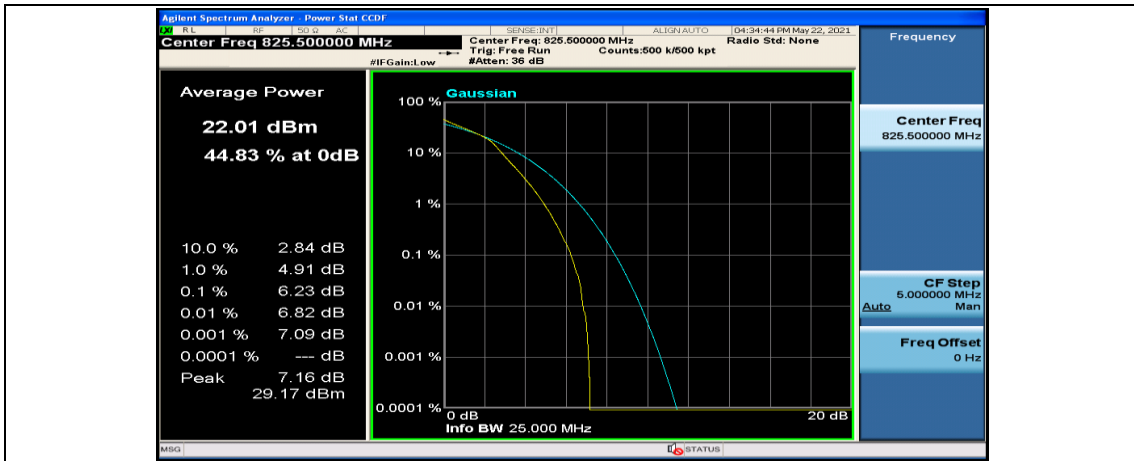
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_8RB#4



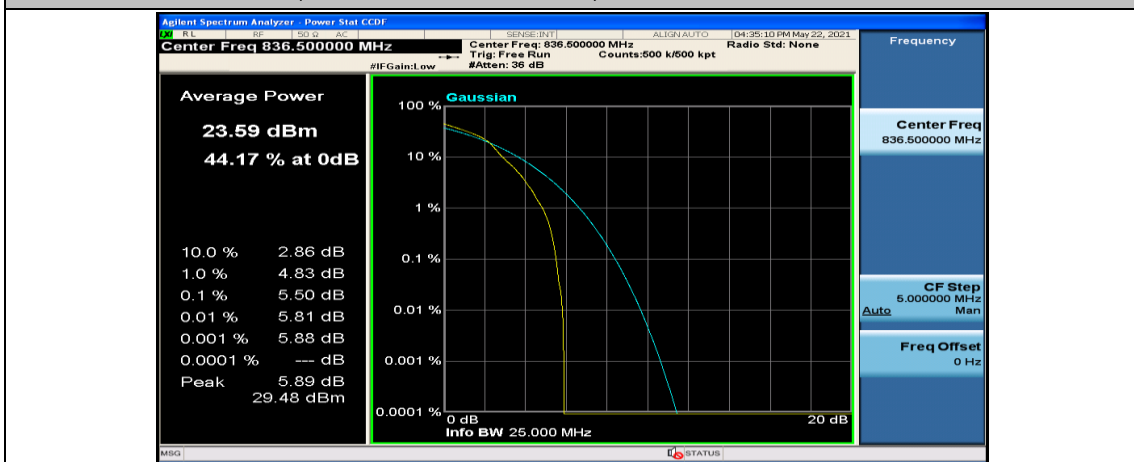
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_8RB#7



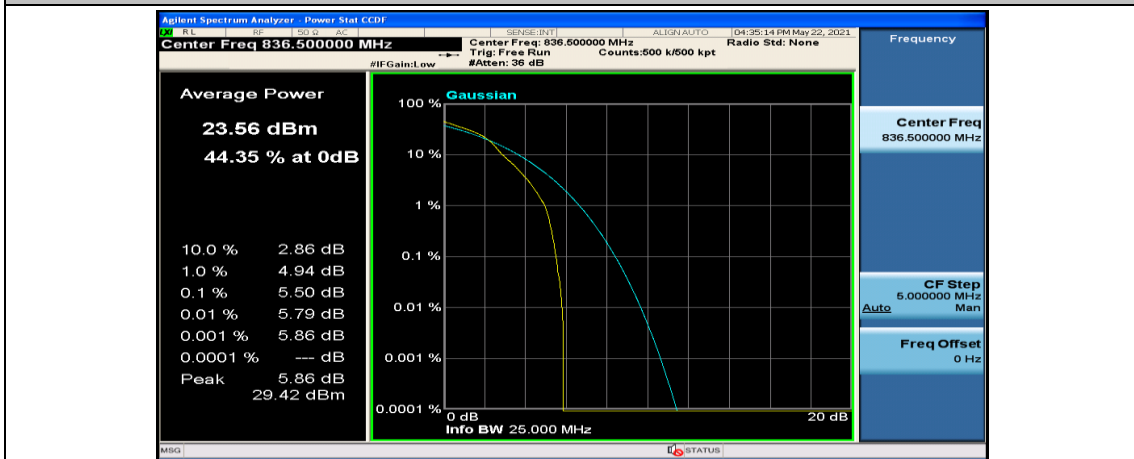
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_15RB#0



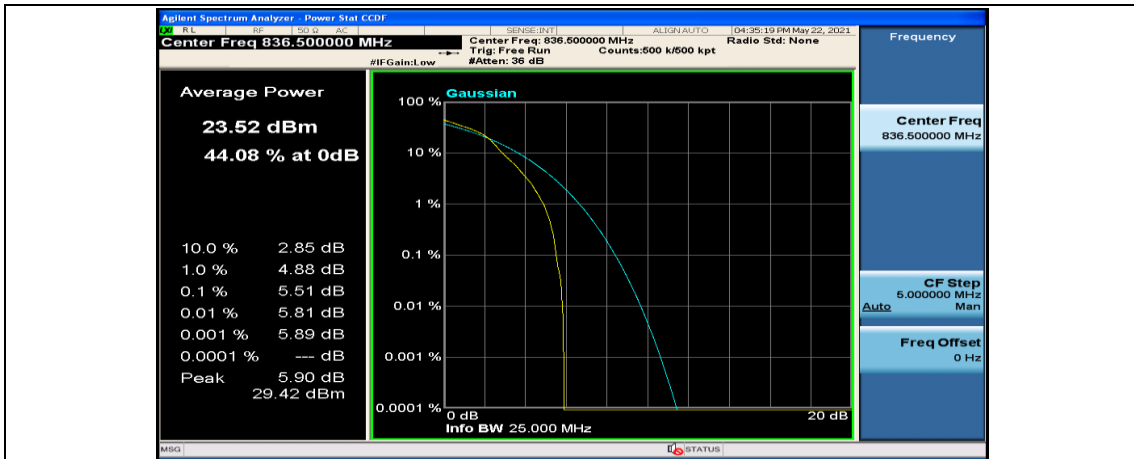
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#0



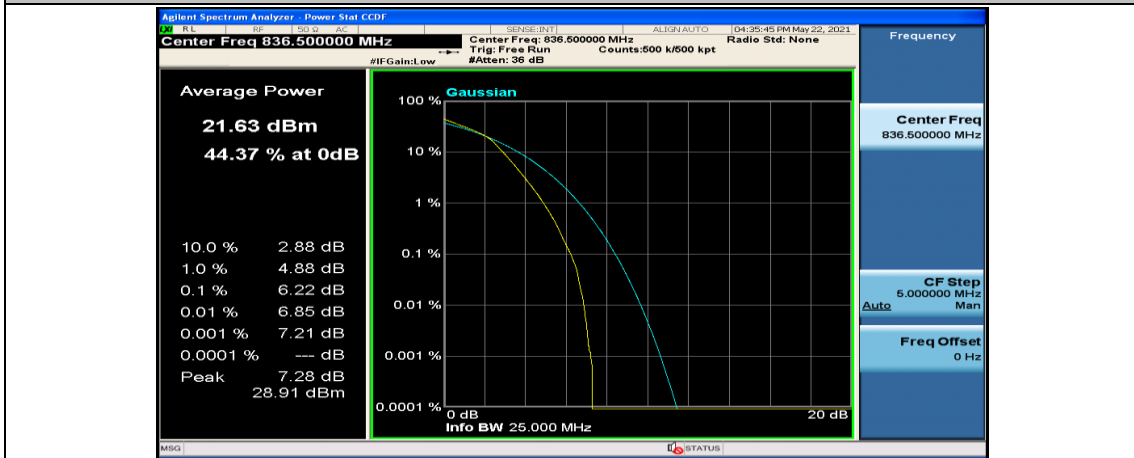
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#7



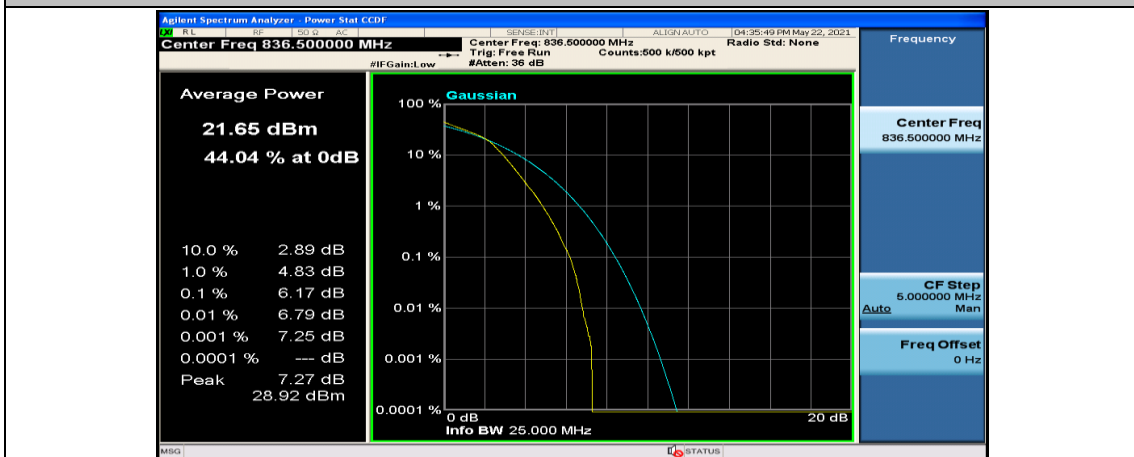
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_1RB#14



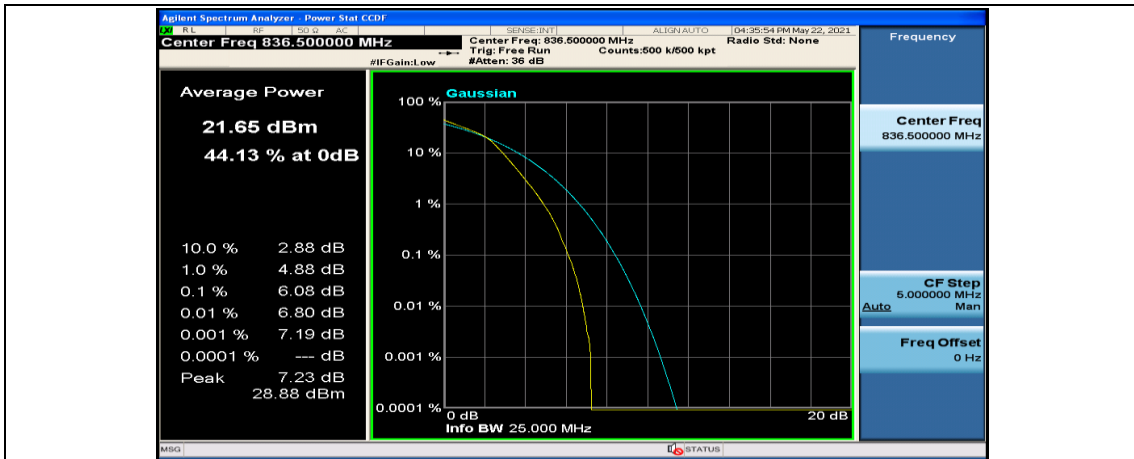
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#0



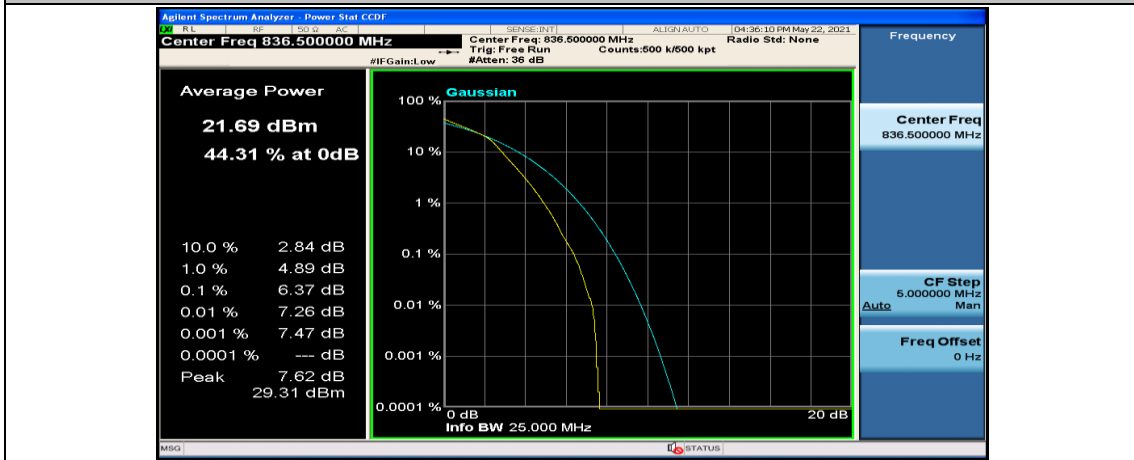
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#4



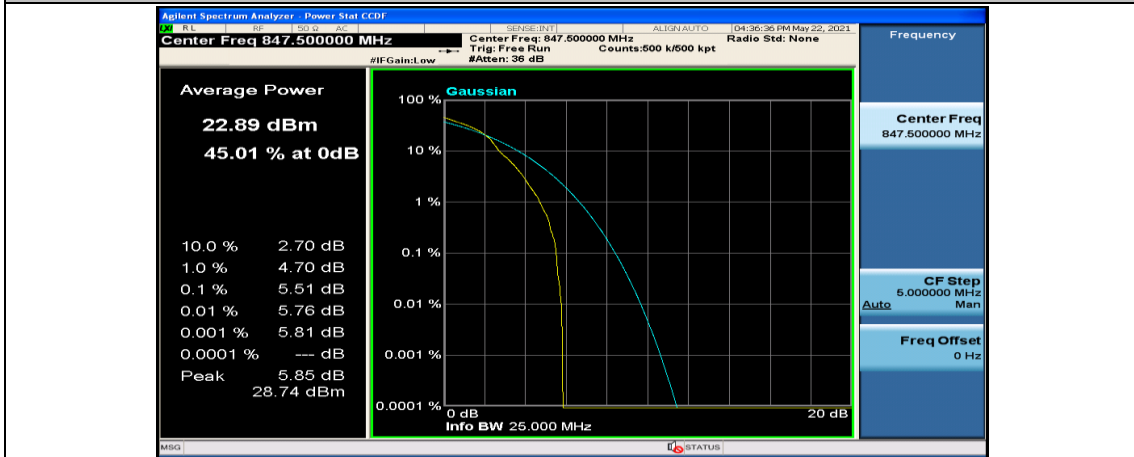
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_8RB#7



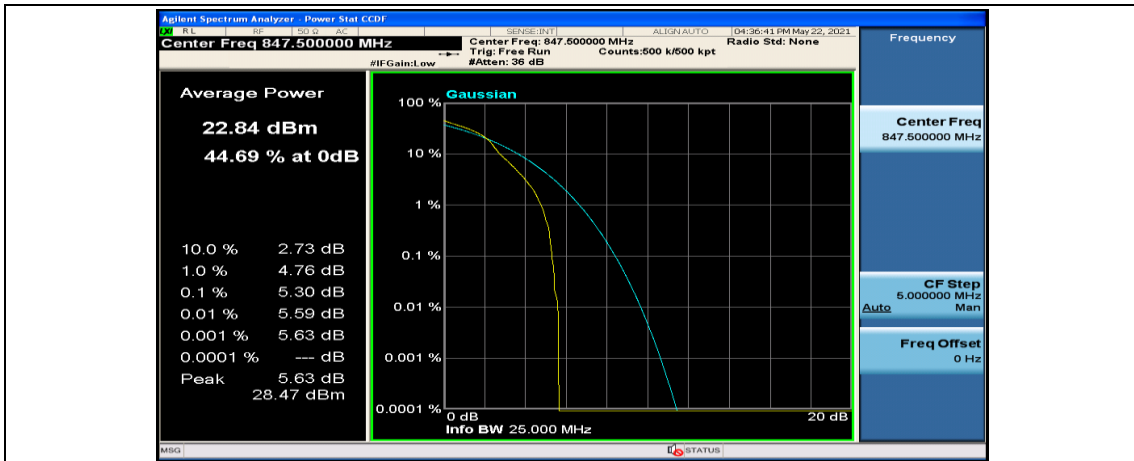
(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_15RB#0



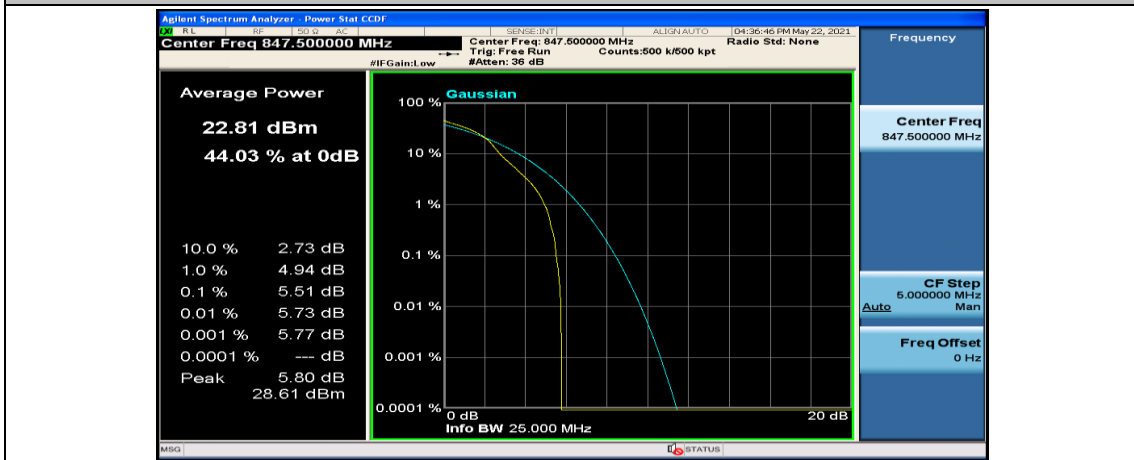
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#0



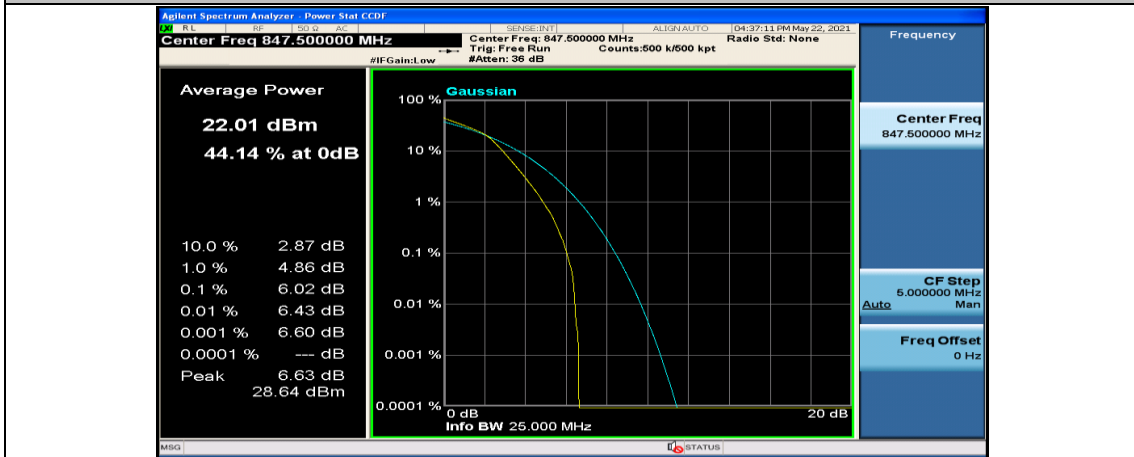
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#7



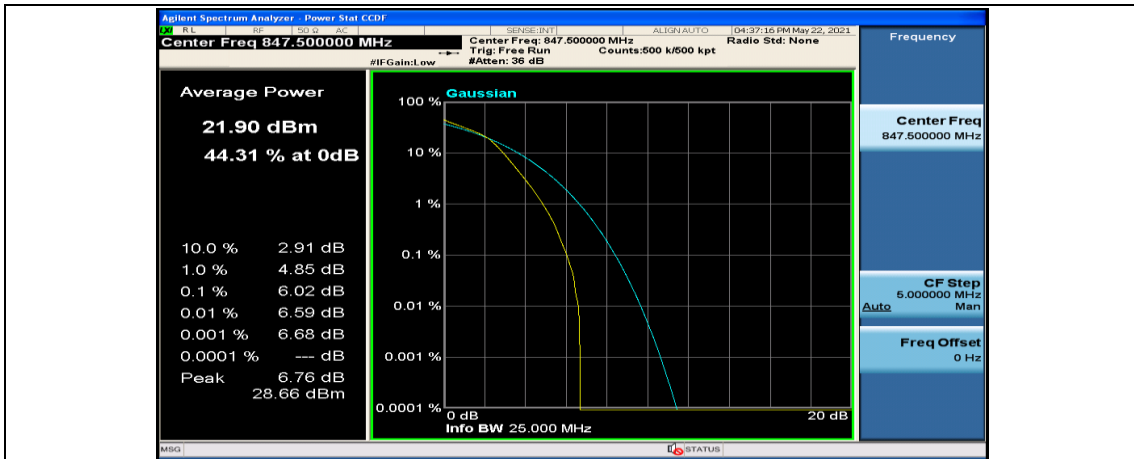
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_1RB#14



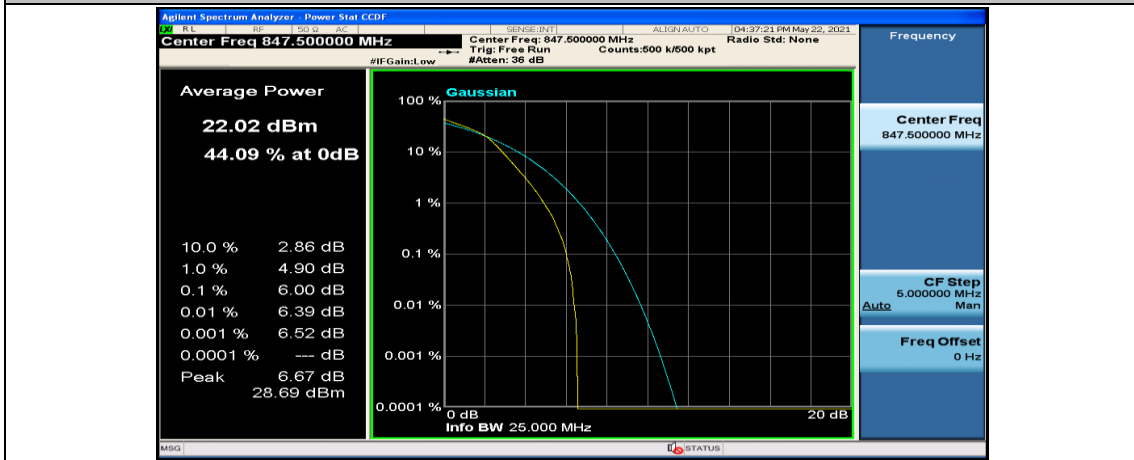
(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#0



(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#4



(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_8RB#7



(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_15RB#0

