

## Appendix for Band 7

### Appendix A: Average Power Output Data

#### Test Result

#### Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.37	PASS
		1	12	22.37	PASS
		1	24	22.09	PASS
		12	0	21.70	PASS
		12	6	21.68	PASS
		12	13	21.65	PASS
		25	0	21.69	PASS
	MCH	1	0	21.69	PASS
		1	12	21.82	PASS
		1	24	21.81	PASS
		12	0	20.78	PASS
		12	6	20.79	PASS
		12	13	20.83	PASS
		25	0	20.83	PASS
	HCH	1	0	22.89	PASS
		1	12	23.09	PASS
		1	24	23.21	PASS
		12	0	21.91	PASS
		12	6	21.95	PASS
		12	13	22.00	PASS
		25	0	21.91	PASS
16QAM	LCH	1	0	21.71	PASS
		1	12	21.76	PASS
		1	24	21.81	PASS
		12	0	20.99	PASS
		12	6	20.96	PASS
		12	13	20.91	PASS
		25	0	20.79	PASS
	MCH	1	0	21.04	PASS
		1	12	21.24	PASS
		1	24	21.18	PASS
		12	0	20.04	PASS

		12	6	20.06	PASS
		12	13	20.08	PASS
		25	0	19.90	PASS
	HCH	1	0	21.73	PASS
		1	12	21.96	PASS
		1	24	21.89	PASS
		12	0	20.98	PASS
		12	6	21.01	PASS
		12	13	21.03	PASS
		25	0	20.97	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.81	PASS
		1	24	22.54	PASS
		1	49	22.23	PASS
		25	0	21.71	PASS
		25	12	21.59	PASS
		25	25	21.40	PASS
		50	0	21.55	PASS
	MCH	1	0	21.70	PASS
		1	24	21.78	PASS
		1	49	21.87	PASS
		25	0	20.73	PASS
		25	12	20.78	PASS
		25	25	20.83	PASS
		50	0	20.82	PASS
	HCH	1	0	22.66	PASS
		1	24	22.96	PASS
		1	49	22.79	PASS
		25	0	21.78	PASS
		25	12	21.90	PASS
		25	25	22.03	PASS
		50	0	21.91	PASS
16QAM	LCH	1	0	22.01	PASS
		1	24	21.80	PASS
		1	49	21.47	PASS
		25	0	20.77	PASS
		25	12	20.61	PASS
		25	25	20.44	PASS
		50	0	20.59	PASS

	MCH	1	0	20.88	PASS
		1	24	21.02	PASS
		1	49	21.08	PASS
		25	0	19.82	PASS
		25	12	19.86	PASS
		25	25	19.92	PASS
		50	0	19.92	PASS
	HCH	1	0	21.94	PASS
		1	24	22.20	PASS
		1	49	22.29	PASS
		25	0	20.83	PASS
		25	12	20.98	PASS
		25	25	21.05	PASS
		50	0	21.02	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.01	PASS
		1	37	22.56	PASS
		1	74	22.04	PASS
		37	0	21.86	PASS
		37	18	21.61	PASS
		37	38	21.41	PASS
		75	0	21.60	PASS
	MCH	1	0	21.78	PASS
		1	37	21.85	PASS
		1	74	22.01	PASS
		37	0	20.84	PASS
		37	18	20.84	PASS
		37	38	20.91	PASS
		75	0	20.89	PASS
	HCH	1	0	22.72	PASS
		1	37	23.05	PASS
		1	74	22.95	PASS
		37	0	21.89	PASS
		37	18	22.07	PASS
		37	38	22.08	PASS
		75	0	22.12	PASS
16QAM	LCH	1	0	22.14	PASS
		1	37	21.82	PASS
		1	74	21.23	PASS

		37	0	20.81	PASS
		37	18	20.58	PASS
		37	38	20.34	PASS
		75	0	20.58	PASS
	MCH	1	0	20.94	PASS
		1	37	21.13	PASS
		1	74	21.14	PASS
		37	0	19.83	PASS
		37	18	19.86	PASS
		37	38	19.94	PASS
		75	0	19.91	PASS
		HCH	1	0	21.72
	1		37	22.18	PASS
	1		74	22.34	PASS
	37		0	20.86	PASS
	37		18	21.03	PASS
	37		38	21.19	PASS
	75		0	21.05	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.16	PASS
		1	49	22.49	PASS
		1	99	22.09	PASS
		50	0	21.73	PASS
		50	25	21.36	PASS
		50	50	21.10	PASS
		100	0	21.40	PASS
	MCH	1	0	21.98	PASS
		1	49	21.94	PASS
		1	99	22.31	PASS
		50	0	20.86	PASS
		50	25	20.89	PASS
		50	50	21.00	PASS
		100	0	20.91	PASS
	HCH	1	0	22.49	PASS
		1	49	22.94	PASS
		1	99	23.22	PASS
		50	0	21.60	PASS
		50	25	21.89	PASS
		50	50	22.09	PASS

		100	0	21.86	PASS
16QAM	LCH	1	0	22.28	PASS
		1	49	21.60	PASS
		1	99	21.12	PASS
		50	0	20.73	PASS
		50	25	20.36	PASS
		50	50	20.11	PASS
		100	0	20.42	PASS
	MCH	1	0	21.03	PASS
		1	49	21.08	PASS
		1	99	21.27	PASS
		50	0	19.93	PASS
		50	25	19.95	PASS
		50	50	20.07	PASS
		100	0	19.98	PASS
	HCH	1	0	21.65	PASS
		1	49	22.08	PASS
		1	99	22.53	PASS
		50	0	20.65	PASS
		50	25	20.96	PASS
		50	50	21.18	PASS
		100	0	20.88	PASS

## Appendix B: Peak-to-Average Ratio

### Test Result

#### 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	3.28	<13	PASS
		1	12	3.45	<13	PASS
		1	24	3.61	<13	PASS
		12	0	4.86	<13	PASS
		12	6	4.92	<13	PASS
		12	13	5.06	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	3.9	<13	PASS
		1	12	3.99	<13	PASS
		1	24	4.07	<13	PASS
		12	0	5.39	<13	PASS
		12	6	5.4	<13	PASS
		12	13	5.53	<13	PASS
		25	0	5.73	<13	PASS
	HCH	1	0	3.05	<13	PASS
		1	12	2.43	<13	PASS
		1	24	2.29	<13	PASS
		12	0	4.35	<13	PASS
		12	6	3.96	<13	PASS
		12	13	3.72	<13	PASS
		25	0	4.66	<13	PASS
16QAM	LCH	1	0	4.43	<13	PASS
		1	12	4.55	<13	PASS
		1	24	4.75	<13	PASS
		12	0	5.66	<13	PASS
		12	6	5.71	<13	PASS
		12	13	5.87	<13	PASS
		25	0	6.08	<13	PASS
	MCH	1	0	4.8	<13	PASS
		1	12	4.85	<13	PASS
		1	24	5.03	<13	PASS
		12	0	6.29	<13	PASS
		12	6	6.27	<13	PASS

		12	13	6.35	<13	PASS
		25	0	6.48	<13	PASS
	HCH	1	0	4.31	<13	PASS
		1	12	3.77	<13	PASS
		1	24	3.27	<13	PASS
		12	0	5.27	<13	PASS
		12	6	4.98	<13	PASS
		12	13	4.8	<13	PASS
		25	0	5.54	<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	3.41	<13	PASS
		1	24	3.69	<13	PASS
		1	49	3.63	<13	PASS
		25	0	5.22	<13	PASS
		25	12	5.27	<13	PASS
		25	25	5.25	<13	PASS
		50	0	5.38	<13	PASS
	MCH	1	0	3.68	<13	PASS
		1	24	4.04	<13	PASS
		1	49	3.99	<13	PASS
		25	0	5.49	<13	PASS
		25	12	5.62	<13	PASS
		25	25	5.57	<13	PASS
		50	0	5.65	<13	PASS
	HCH	1	0	3.23	<13	PASS
		1	24	2.97	<13	PASS
		1	49	2.44	<13	PASS
		25	0	4.93	<13	PASS
		25	12	4.74	<13	PASS
		25	25	4.39	<13	PASS
		50	0	5.02	<13	PASS
16QAM	LCH	1	0	4.5	<13	PASS
		1	24	4.87	<13	PASS
		1	49	4.77	<13	PASS
		25	0	6	<13	PASS
		25	12	6.07	<13	PASS
		25	25	6.06	<13	PASS

	MCH	50	0	6.13	<13	PASS
		1	0	4.82	<13	PASS
		1	24	5.2	<13	PASS
		1	49	5.19	<13	PASS
		25	0	6.29	<13	PASS
		25	12	6.44	<13	PASS
		25	25	6.45	<13	PASS
		50	0	6.37	<13	PASS
	HCH	1	0	4.37	<13	PASS
		1	24	4.26	<13	PASS
		1	49	3.33	<13	PASS
		25	0	5.78	<13	PASS
		25	12	5.65	<13	PASS
		25	25	5.39	<13	PASS
		50	0	5.83	<13	PASS

### Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	10.52	<13	PASS
		1	37	3.61	<13	PASS
		1	74	10.12	<13	PASS
		37	0	4.74	<13	PASS
		37	18	5.27	<13	PASS
		37	38	4.68	<13	PASS
		75	0	4.9	<13	PASS
	MCH	1	0	10.18	<13	PASS
		1	37	4.03	<13	PASS
		1	74	9.39	<13	PASS
		37	0	4.92	<13	PASS
		37	18	5.61	<13	PASS
		37	38	4.98	<13	PASS
		75	0	5.09	<13	PASS
	HCH	1	0	9.94	<13	PASS
		1	37	3.3	<13	PASS
		1	74	10.07	<13	PASS
		37	0	4.74	<13	PASS
		37	18	4.89	<13	PASS
		37	38	4.61	<13	PASS
		75	0	4.99	<13	PASS



16QAM	LCH	1	0	9.81	<13	PASS
		1	37	4.79	<13	PASS
		1	74	9.44	<13	PASS
		37	0	5.96	<13	PASS
		37	18	6.08	<13	PASS
		37	38	5.86	<13	PASS
		75	0	6.19	<13	PASS
	MCH	1	0	9.45	<13	PASS
		1	37	5.17	<13	PASS
		1	74	8.99	<13	PASS
		37	0	6.18	<13	PASS
		37	18	6.43	<13	PASS
		37	38	6.24	<13	PASS
		75	0	6.44	<13	PASS
	HCH	1	0	9.8	<13	PASS
		1	37	4.49	<13	PASS
		1	74	9.96	<13	PASS
		37	0	5.97	<13	PASS
		37	18	5.82	<13	PASS
		37	38	5.97	<13	PASS
		75	0	6.28	<13	PASS

### Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	7.15	<13	PASS
		1	49	3.44	<13	PASS
		1	99	7.05	<13	PASS
		50	0	5.45	<13	PASS
		50	25	5.27	<13	PASS
		50	50	5.71	<13	PASS
		100	0	5.64	<13	PASS
	MCH	1	0	7.35	<13	PASS
		1	49	3.92	<13	PASS
		1	99	7.2	<13	PASS
		50	0	5.76	<13	PASS
		50	25	5.58	<13	PASS
		50	50	5.98	<13	PASS
		100	0	5.77	<13	PASS
	HCH	1	0	7.81	<13	PASS

		1	49	3.23	<13	PASS
		1	99	7.98	<13	PASS
		50	0	6.1	<13	PASS
		50	25	5.38	<13	PASS
		50	50	6.67	<13	PASS
		100	0	5.88	<13	PASS
16QAM	LCH	1	0	7.73	<13	PASS
		1	49	4.6	<13	PASS
		1	99	7.65	<13	PASS
		50	0	6.43	<13	PASS
		50	25	6.05	<13	PASS
		50	50	6.5	<13	PASS
		100	0	6.67	<13	PASS
	MCH	1	0	8.14	<13	PASS
		1	49	5.04	<13	PASS
		1	99	7.91	<13	PASS
		50	0	6.81	<13	PASS
		50	25	6.41	<13	PASS
		50	50	6.79	<13	PASS
		100	0	6.95	<13	PASS
	HCH	1	0	8.16	<13	PASS
		1	49	4.18	<13	PASS
		1	99	9.13	<13	PASS
		50	0	6.89	<13	PASS
		50	25	5.91	<13	PASS
		50	50	6.81	<13	PASS
		100	0	6.87	<13	PASS

## Test Graphs

### Channel Bandwidth: 5 MHz

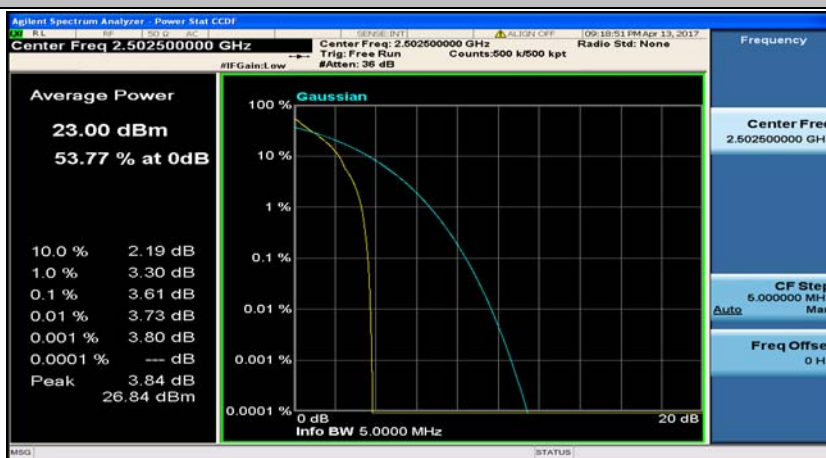
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



(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



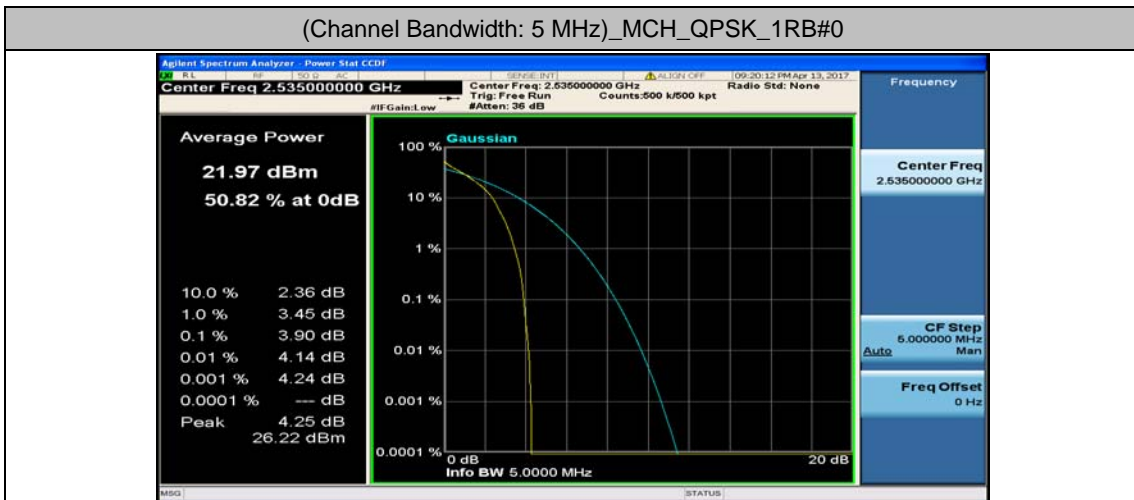
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



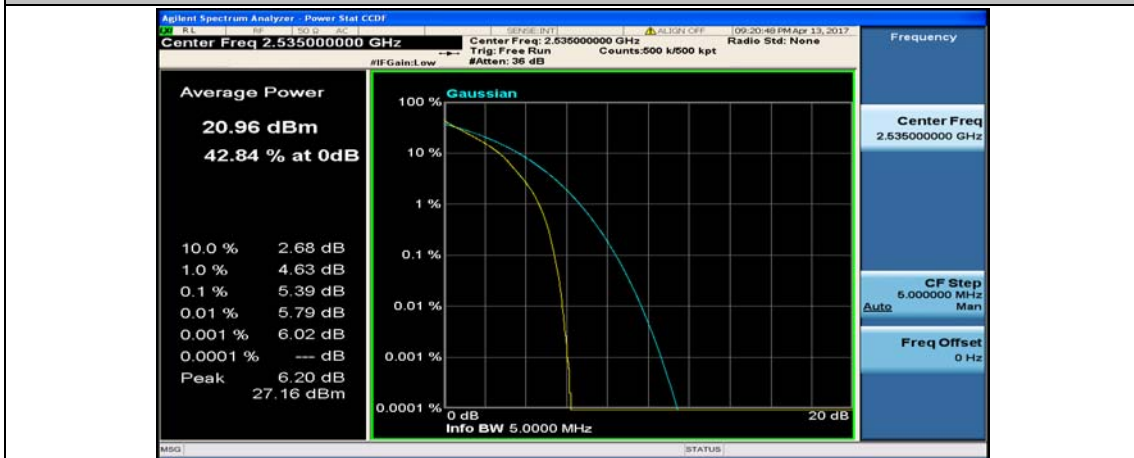
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



(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



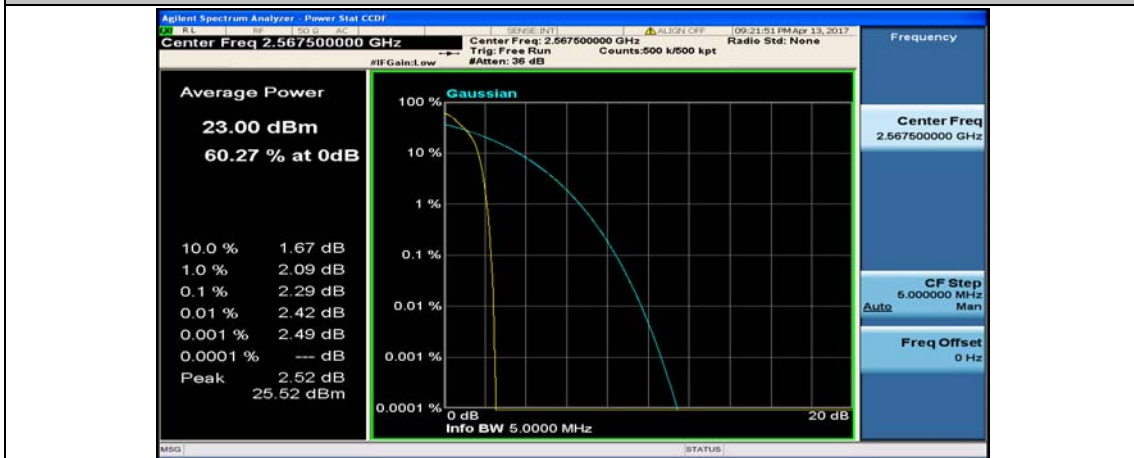
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(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



(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



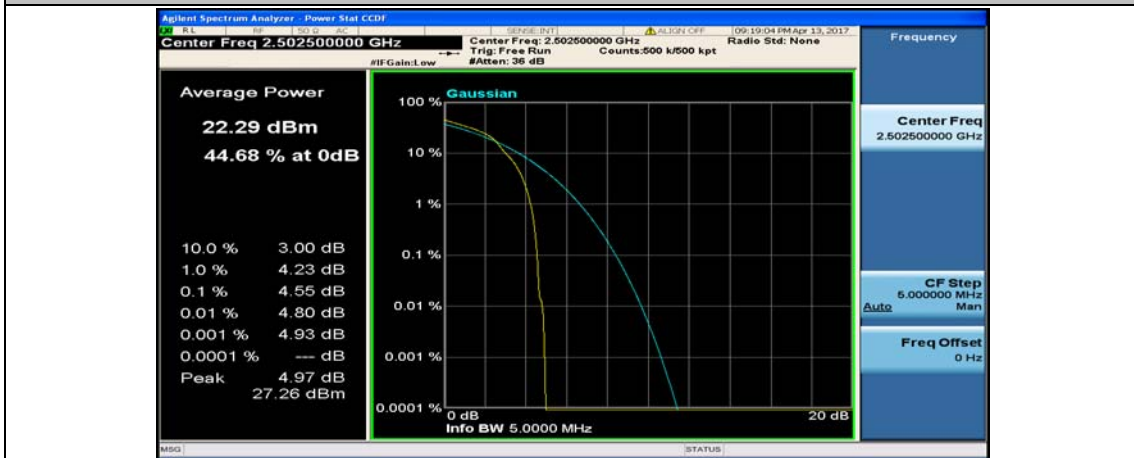
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



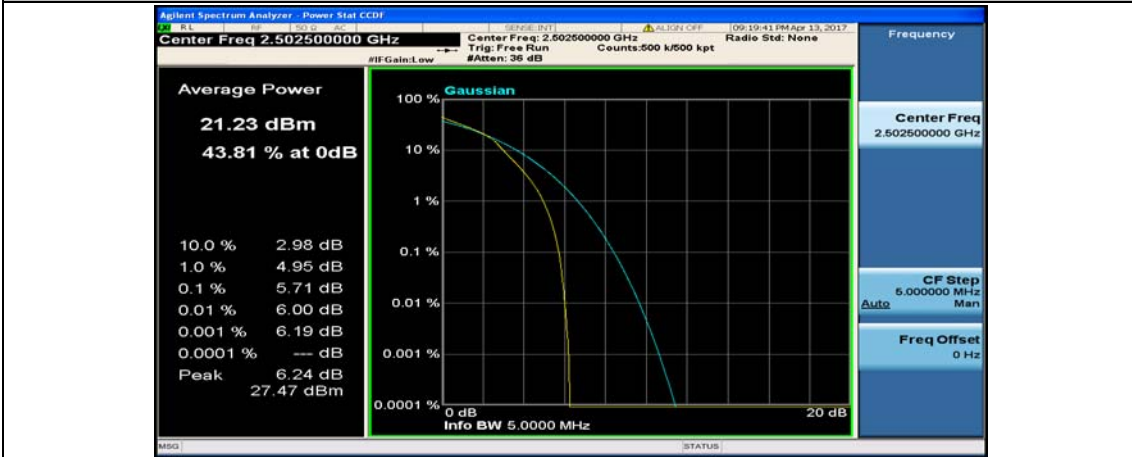
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6



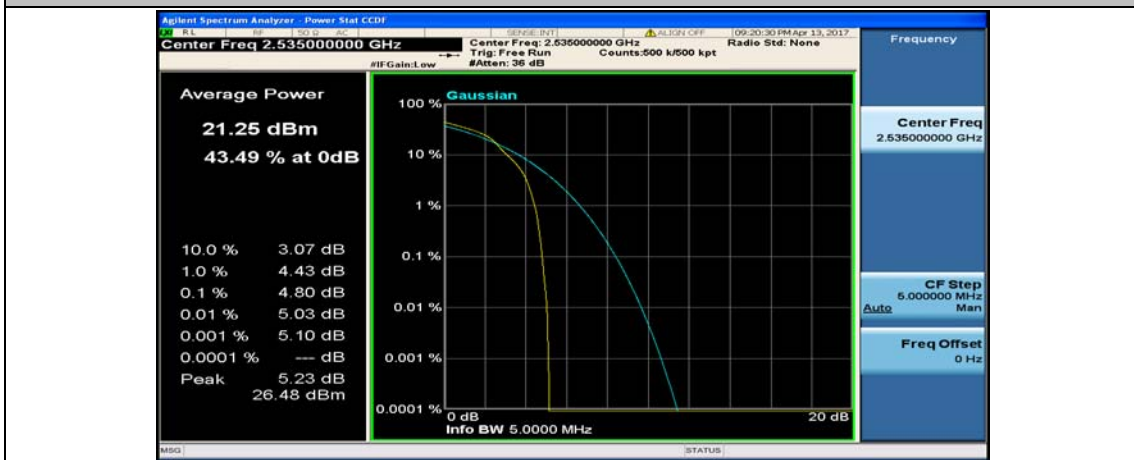
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



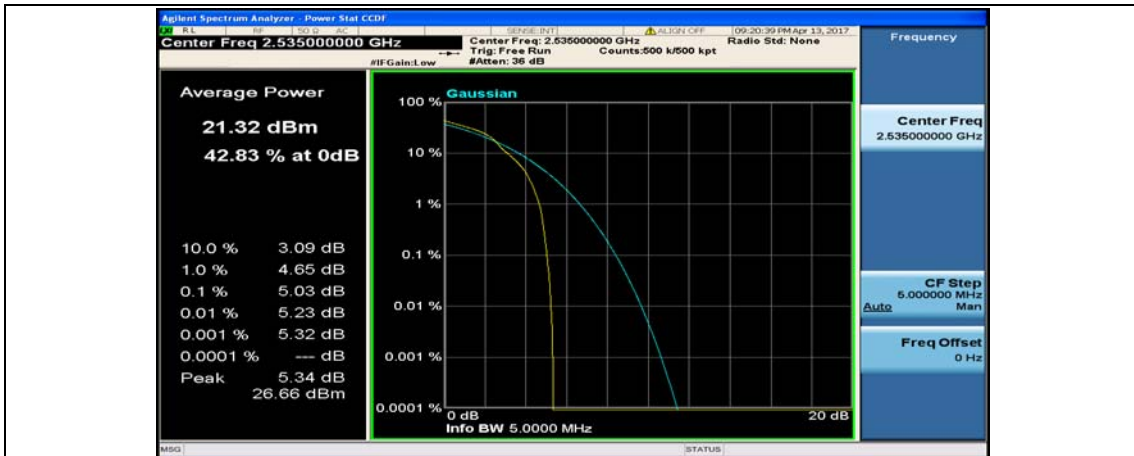
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



(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



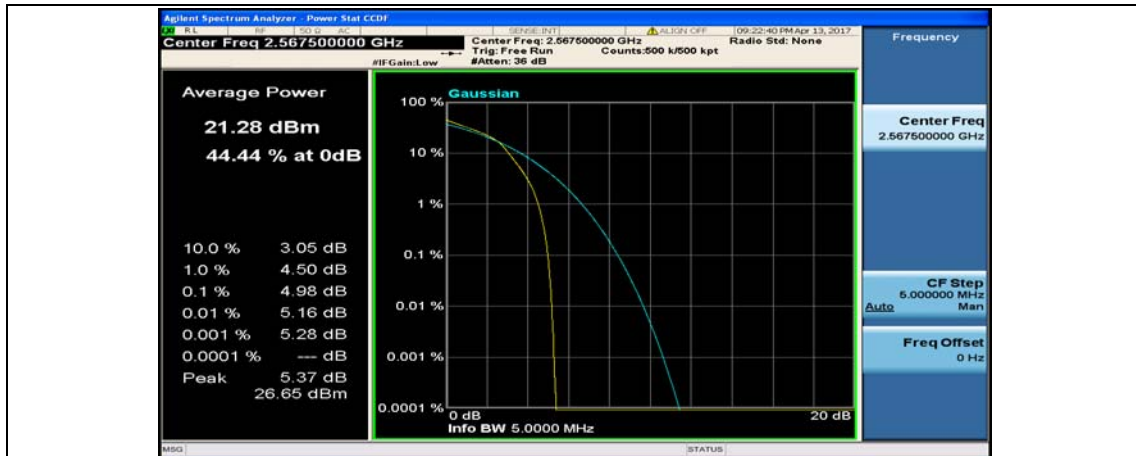
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



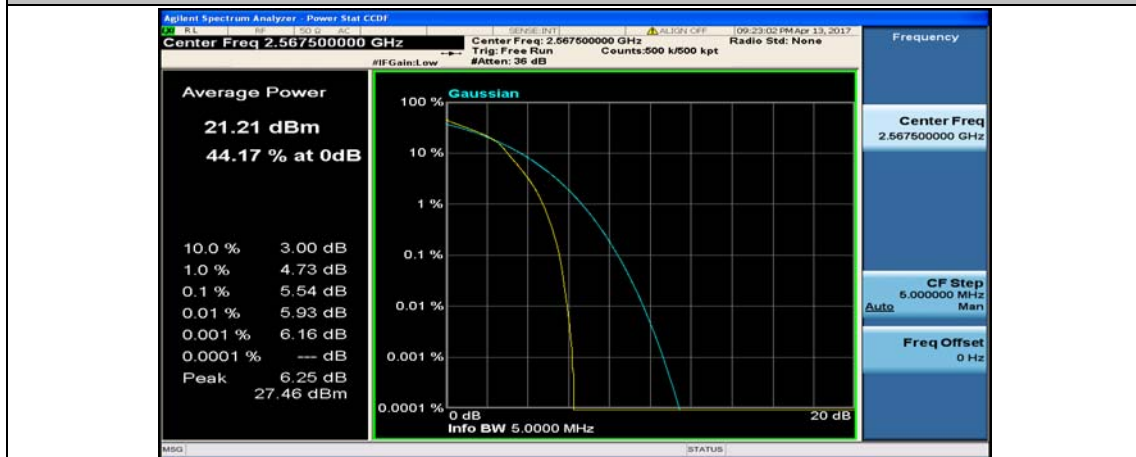
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6



(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13

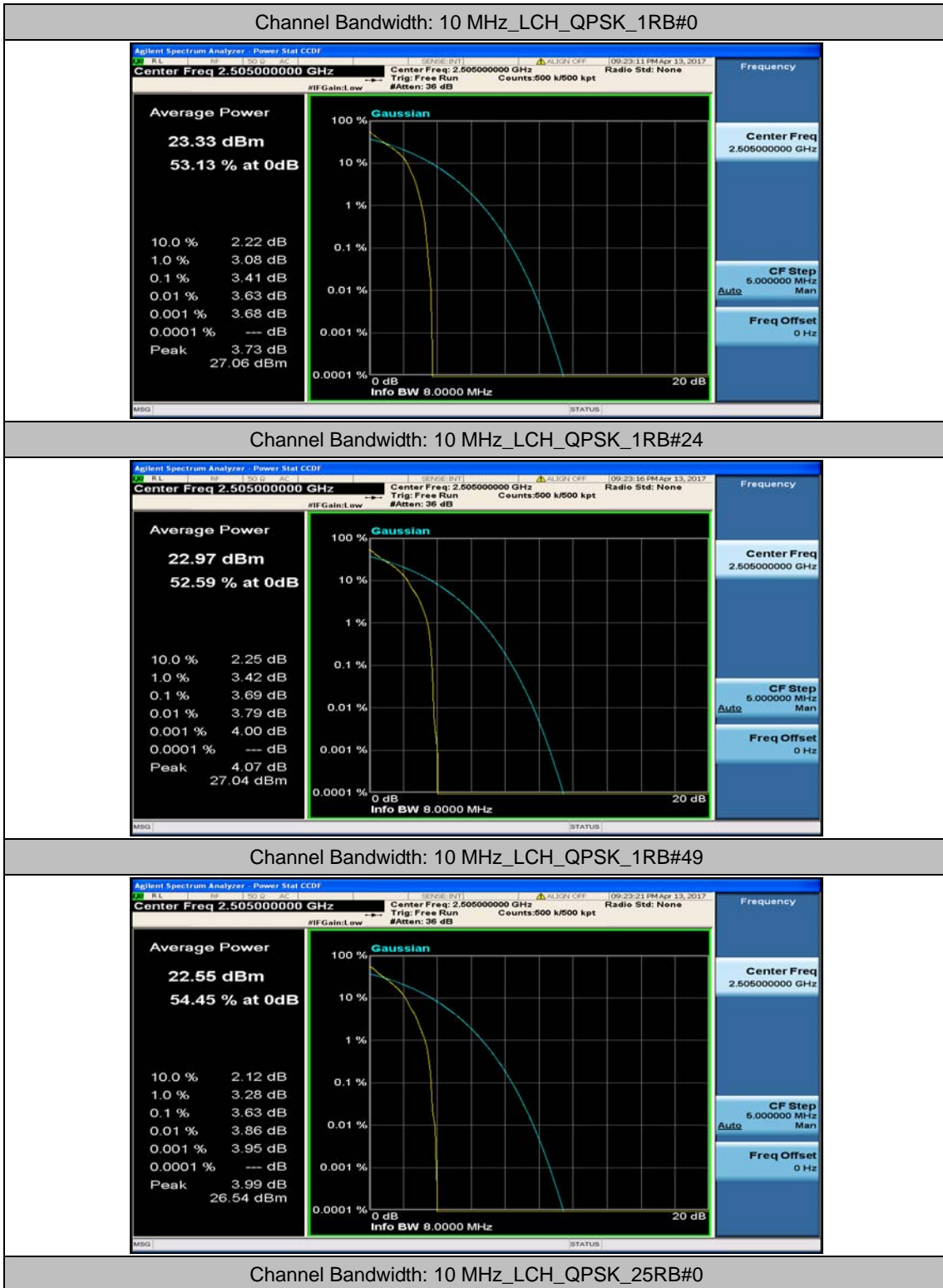


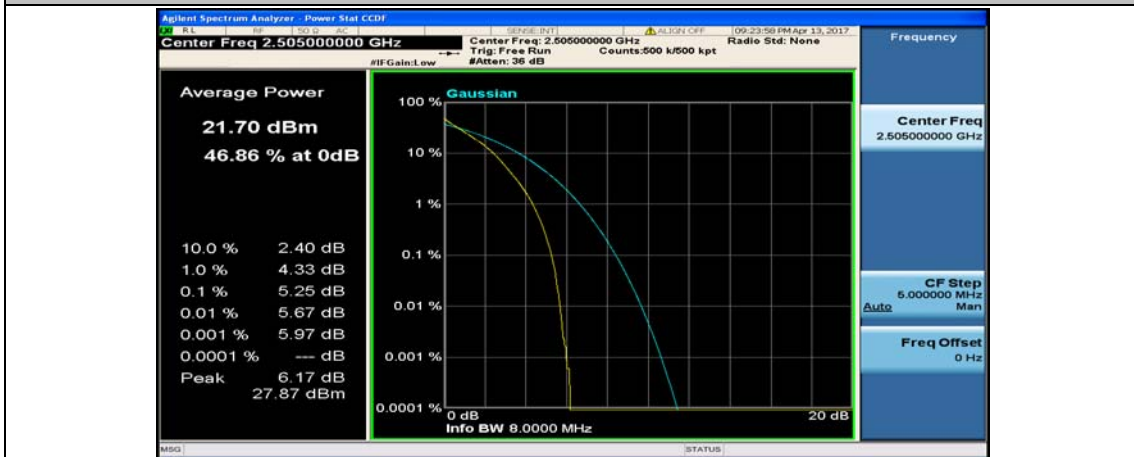
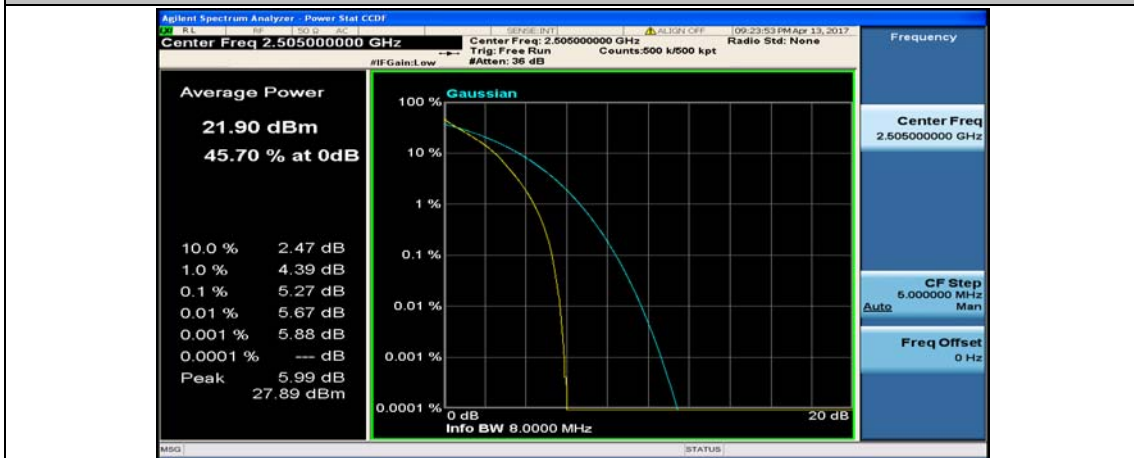
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0





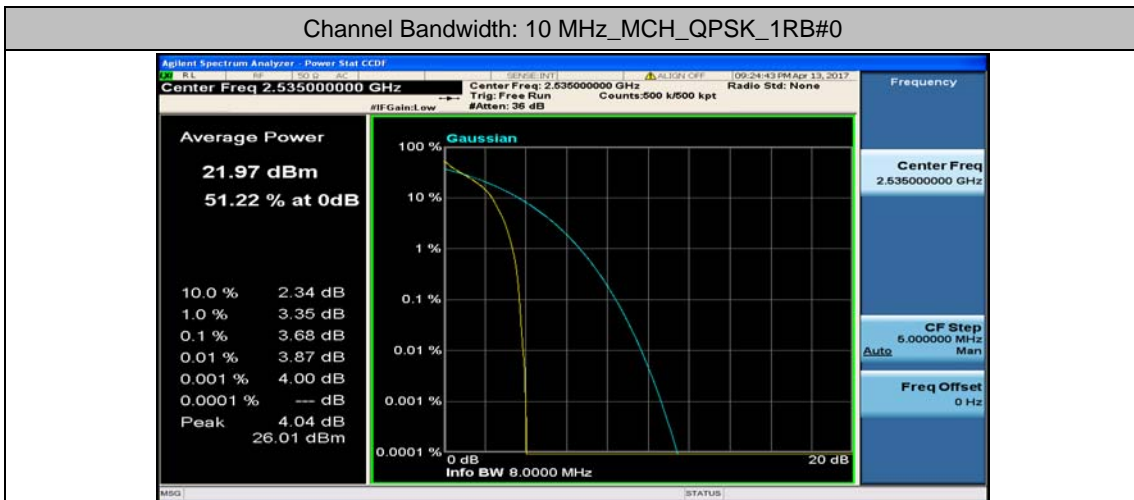
### Channel Bandwidth: 10 MHz



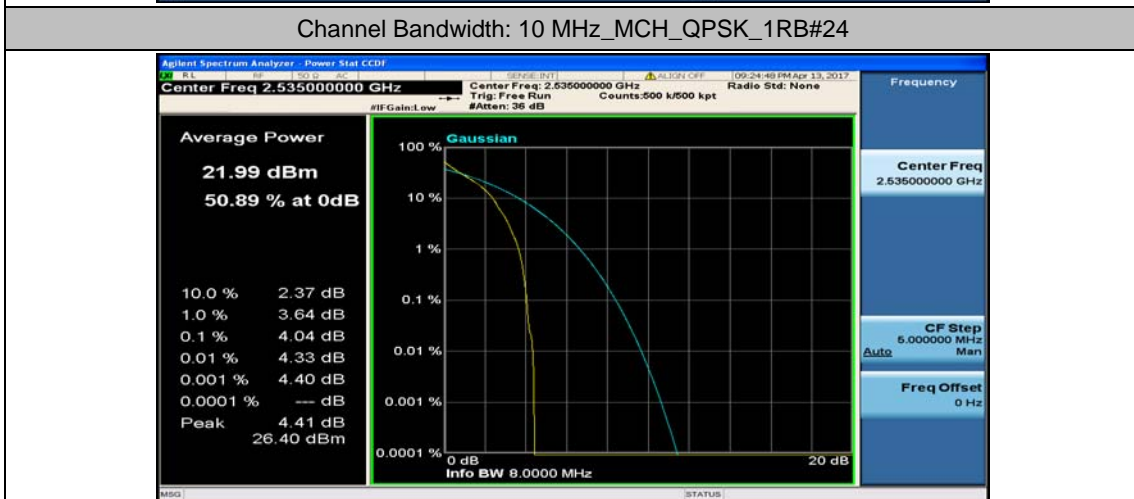




Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#24



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#0



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0



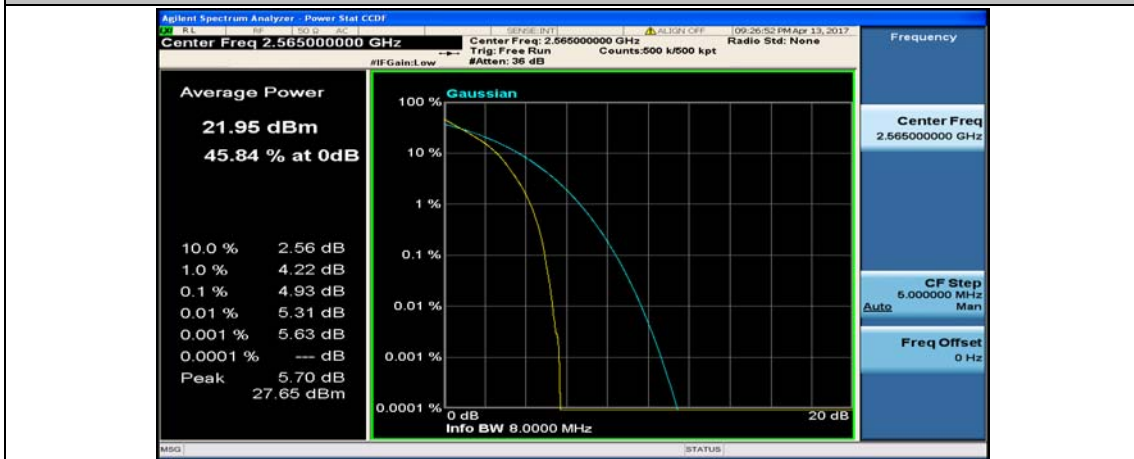
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#49



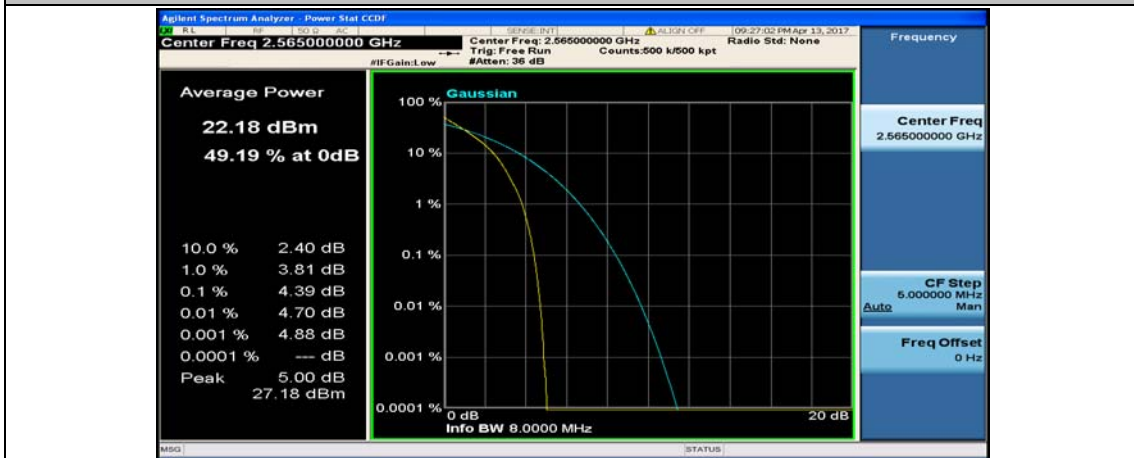
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#0



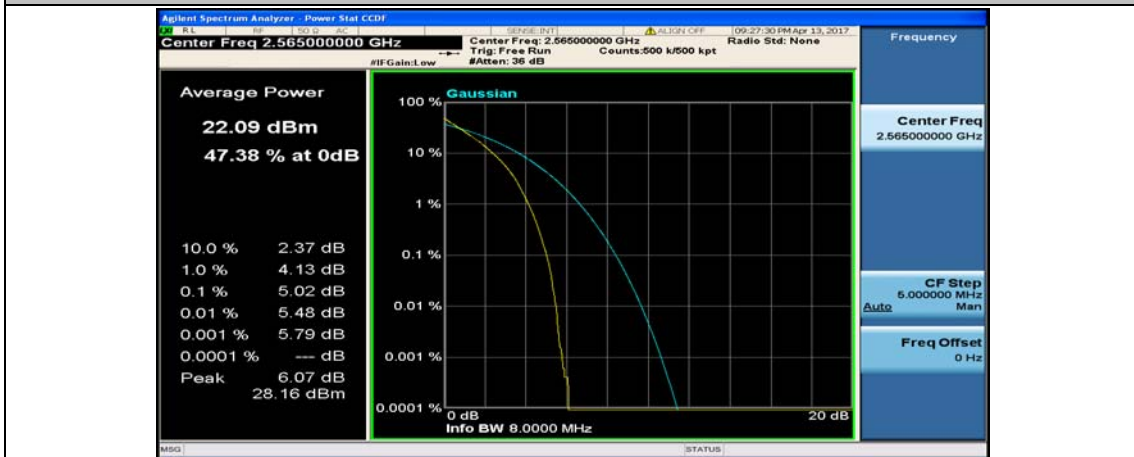
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#12



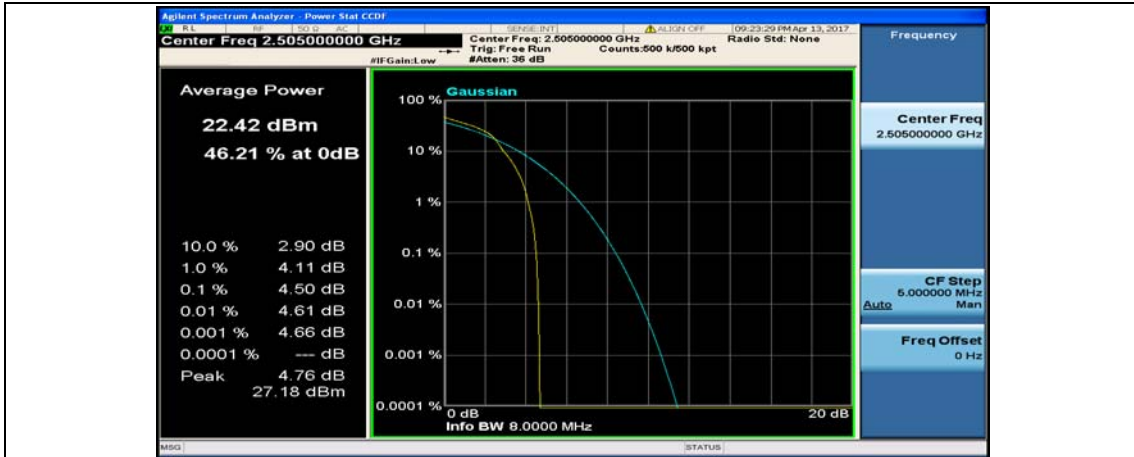
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#25



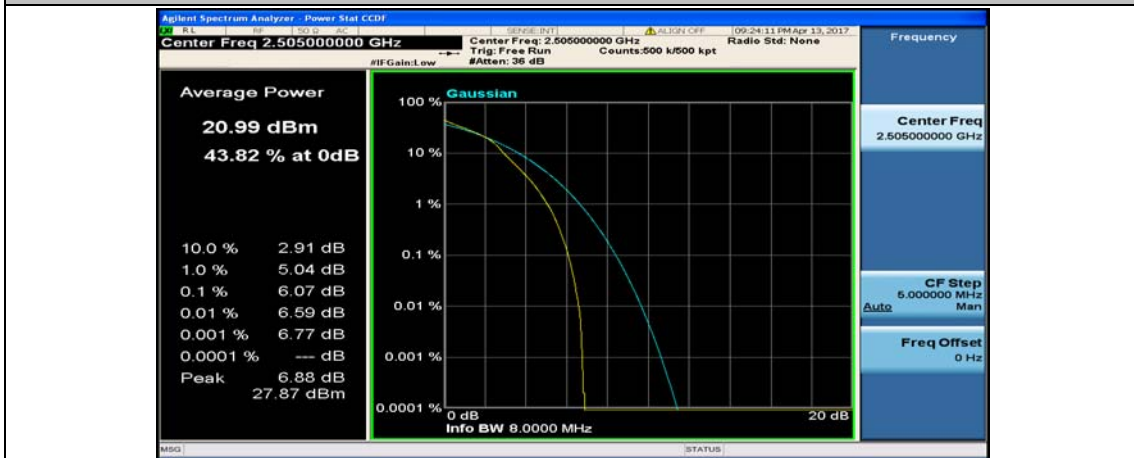
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0

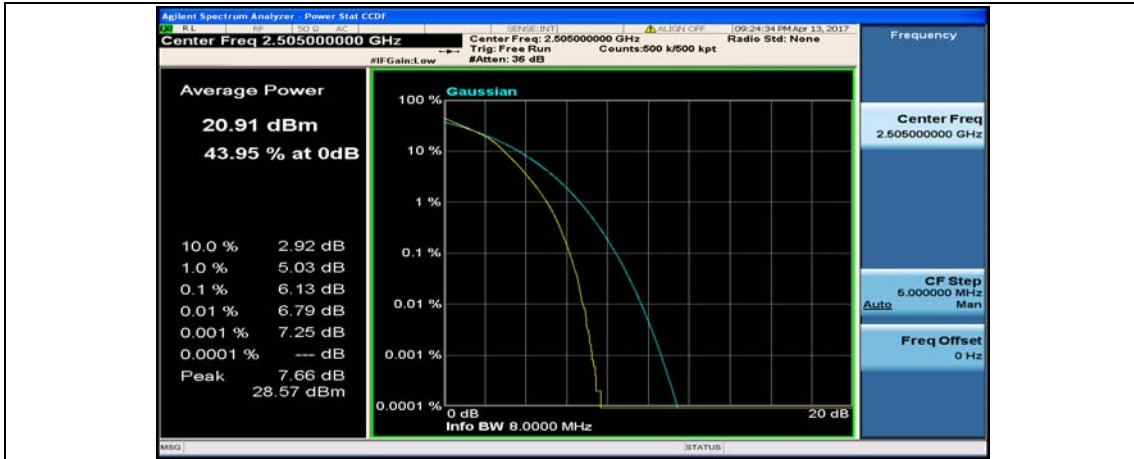


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0

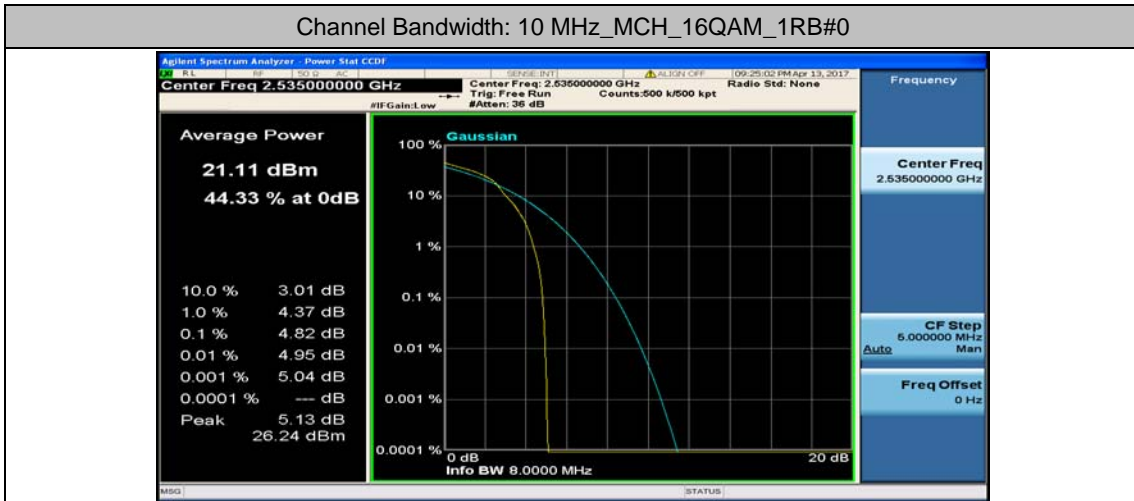








Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



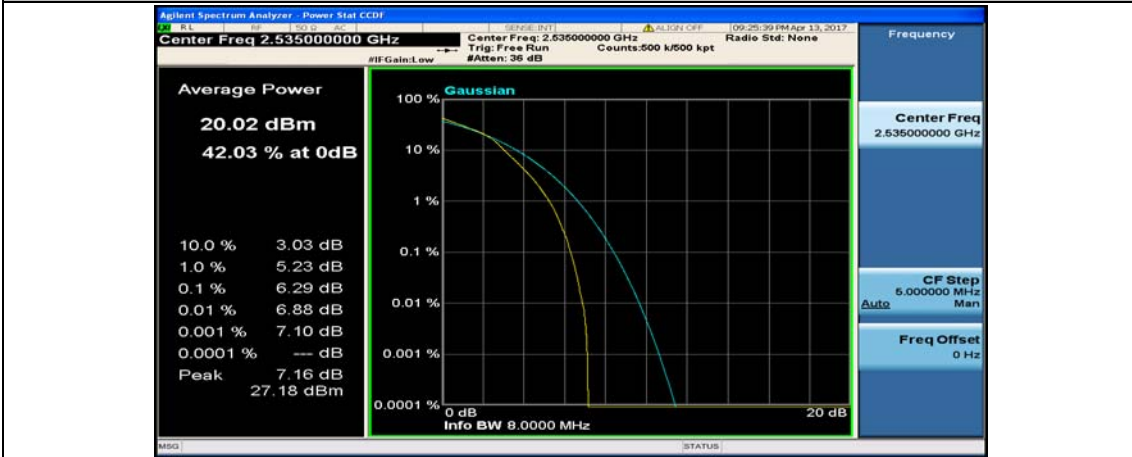
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49



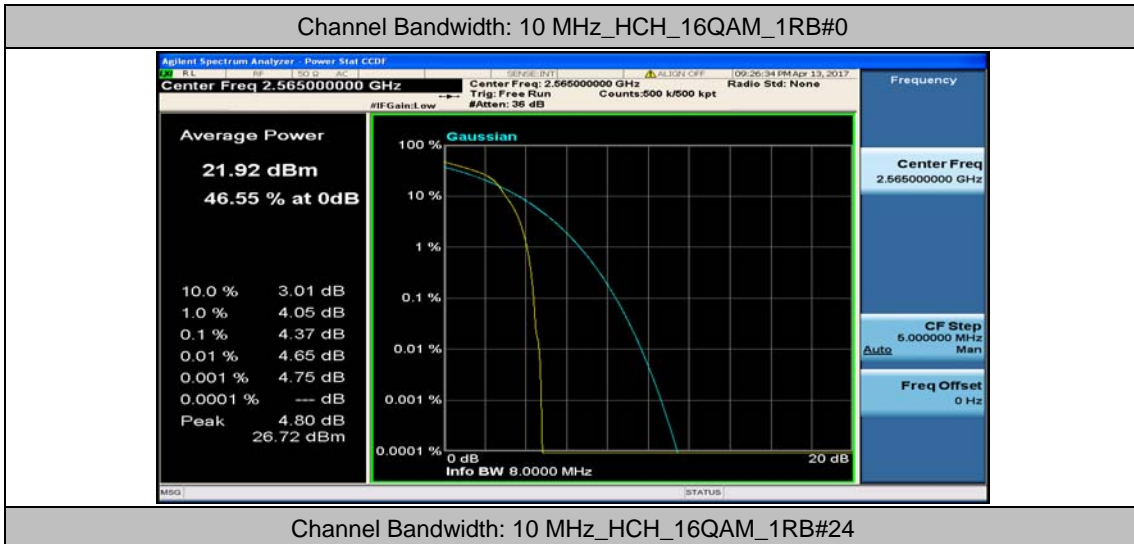
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#0



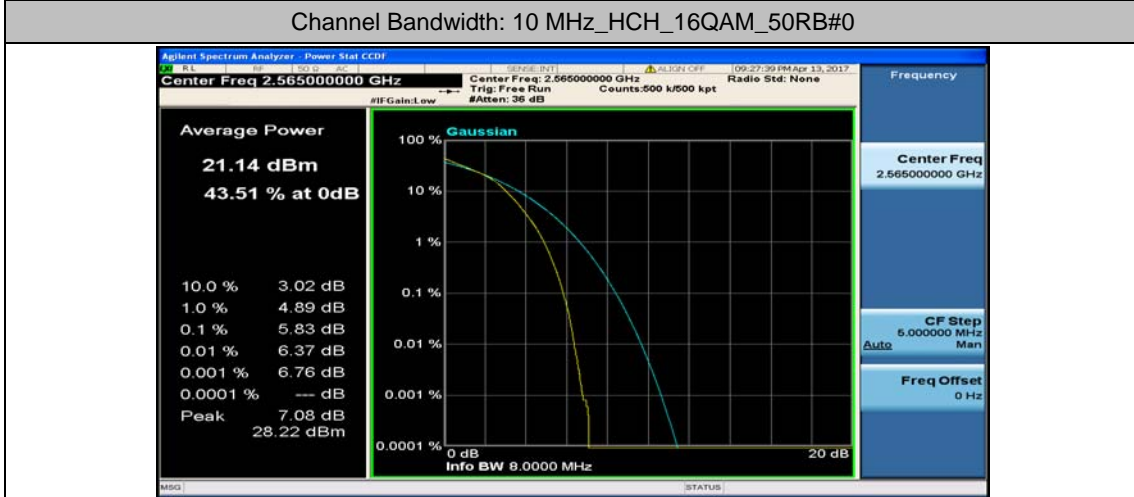
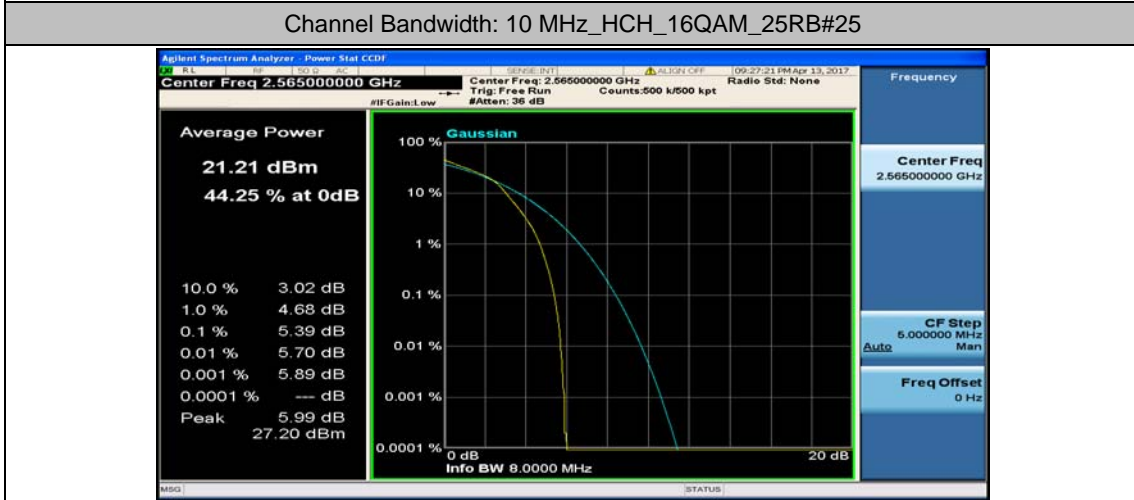
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#12



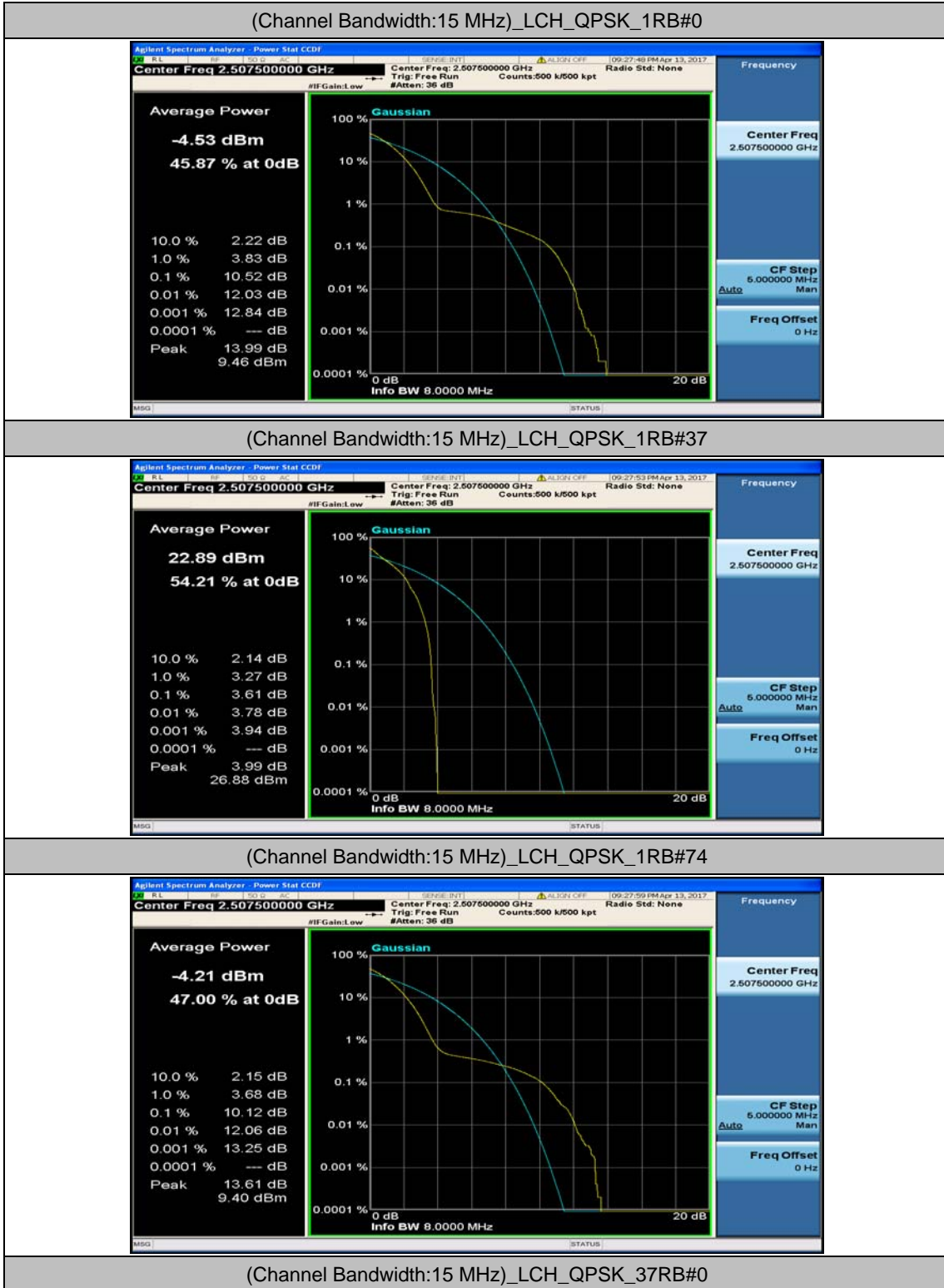
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#25

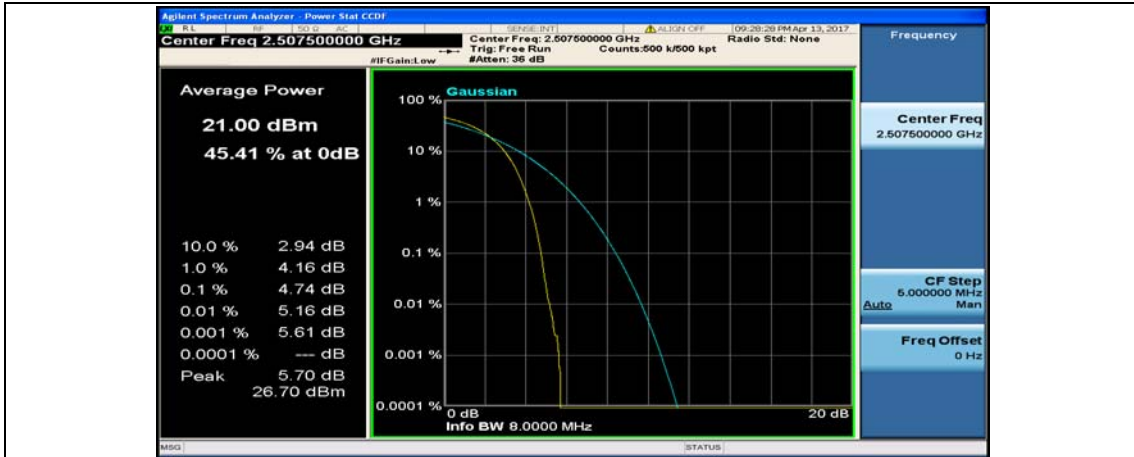






### Channel Bandwidth: 15 MHz

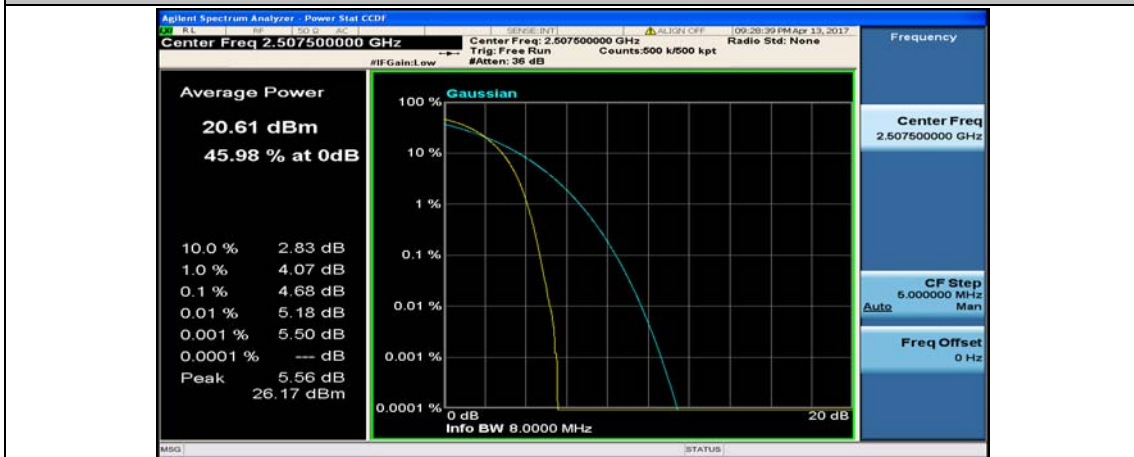




(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_37RB#18



(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_37RB#38



(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_75RB#0





(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0



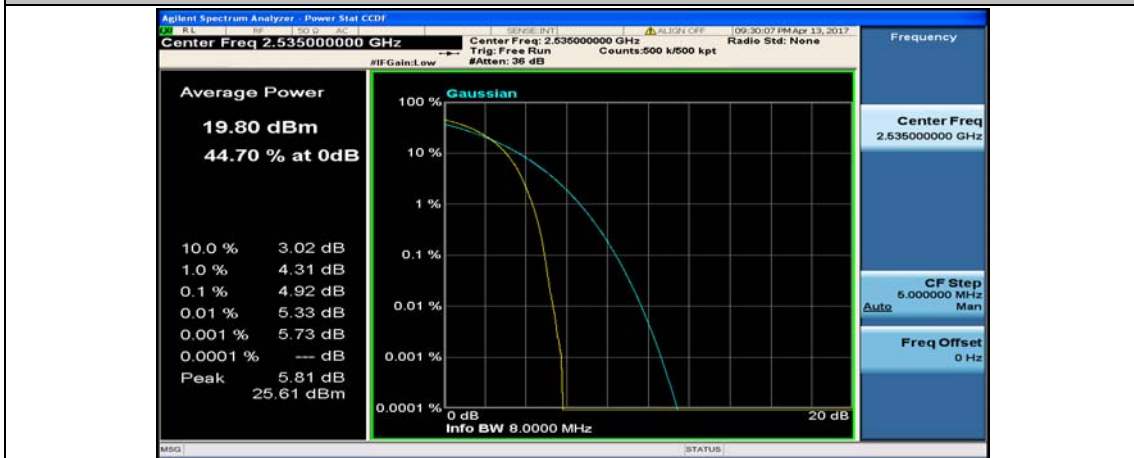
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#37



(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#74



(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#0



(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#18



(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#38



(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_75RB#0



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#0



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#37



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#74



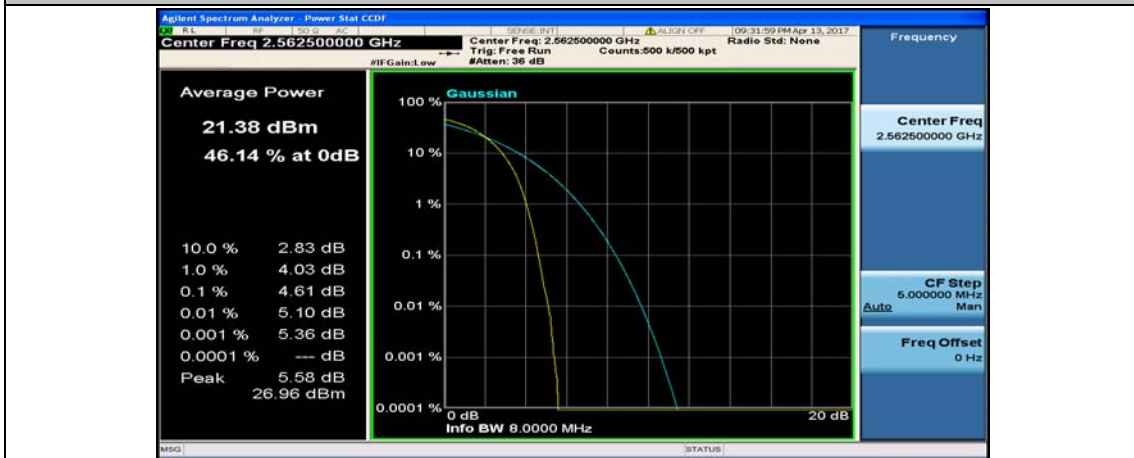
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#0



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#18



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#38



(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_75RB#0



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0



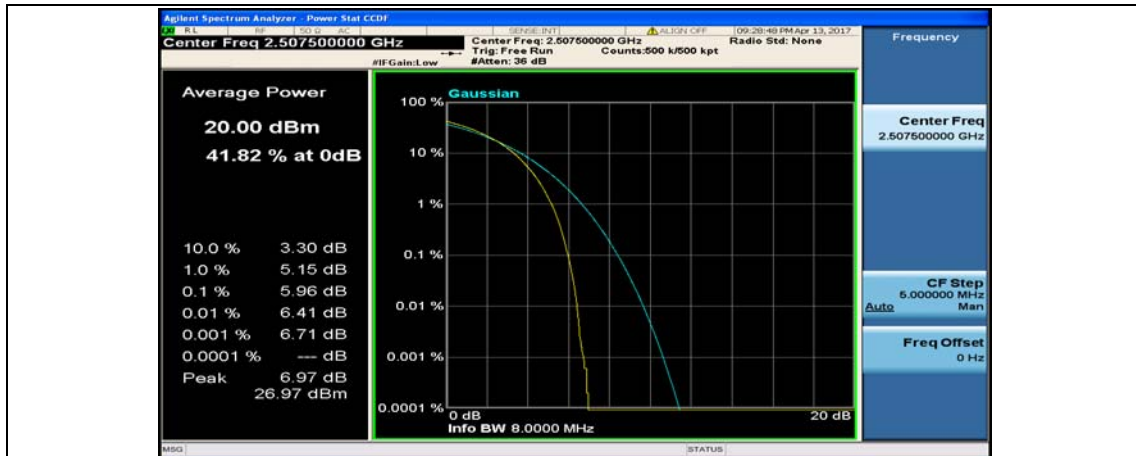
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#74



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#0



(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#18



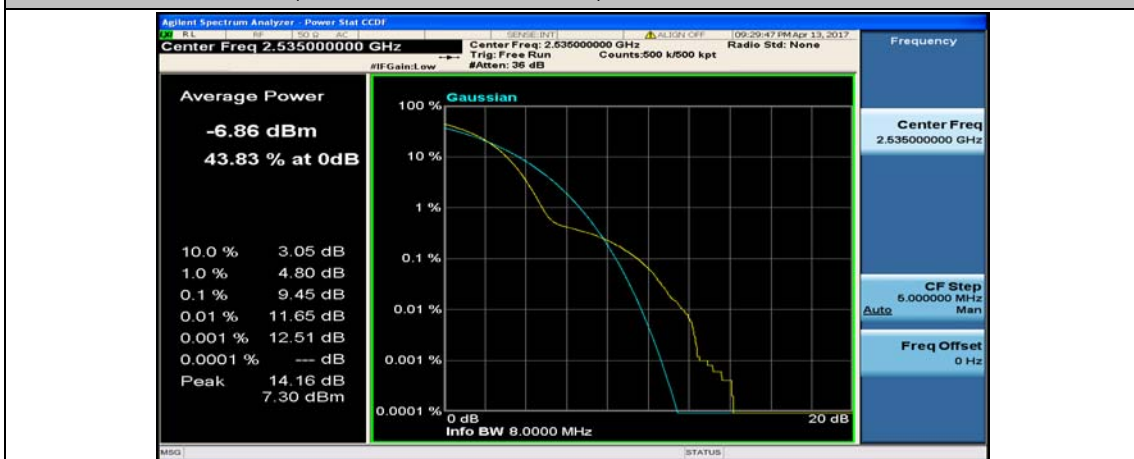
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#38



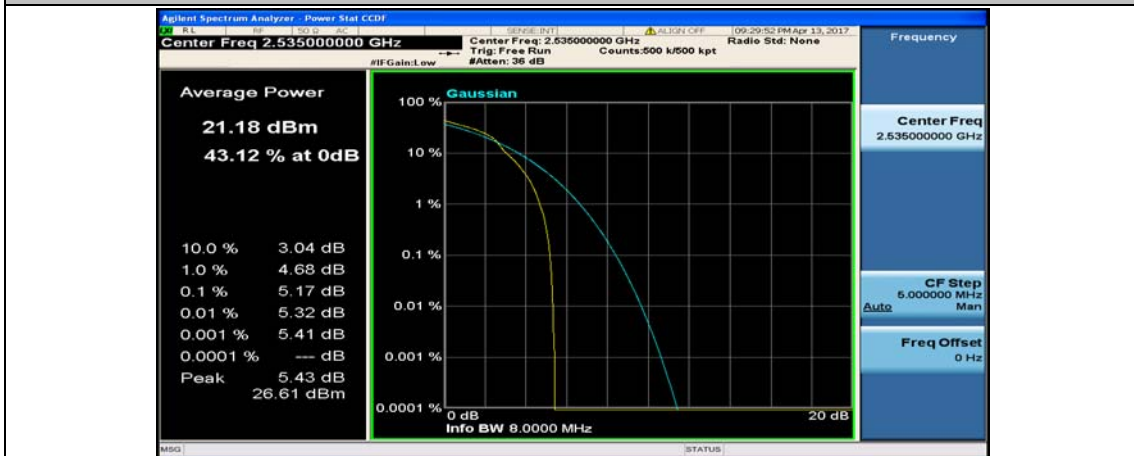
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_75RB#0



(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#0



(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#37



(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_1RB#74





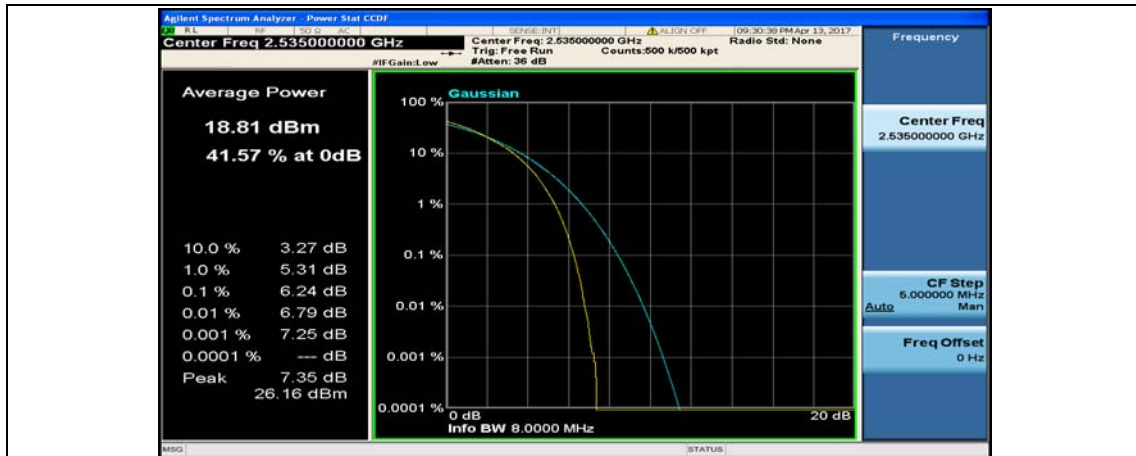
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_37RB#0



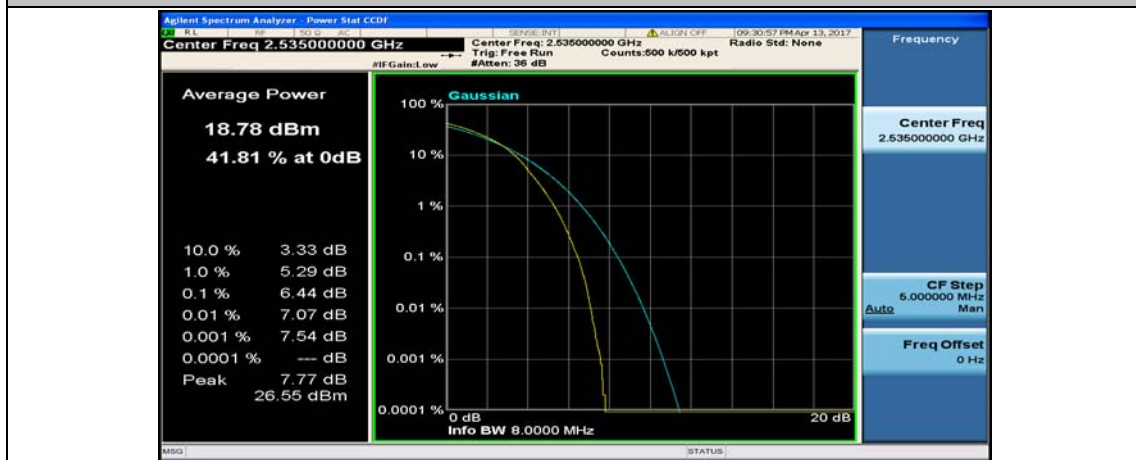
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_37RB#18



(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_37RB#38



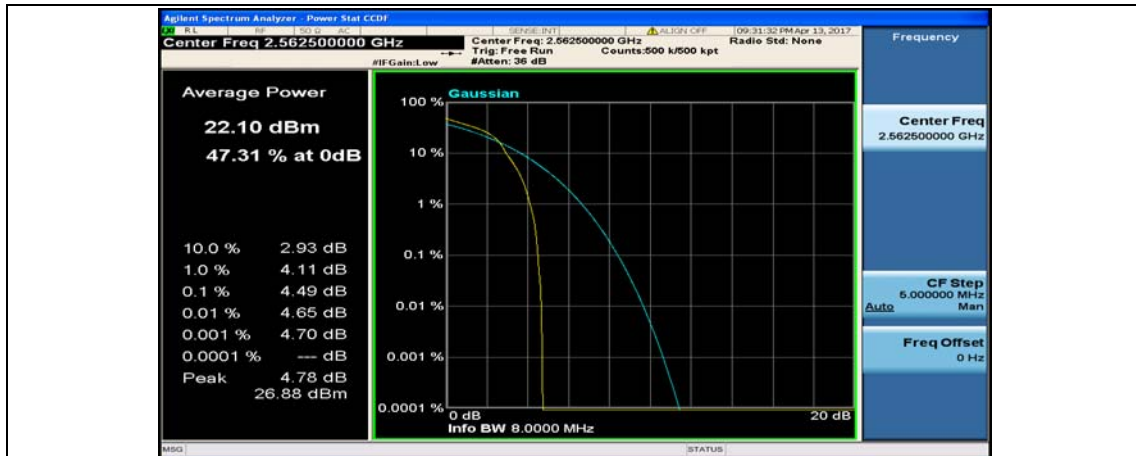
(Channel Bandwidth:15 MHz)\_MCH\_16QAM\_75RB#0



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#74



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_37RB#0



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_37RB#18



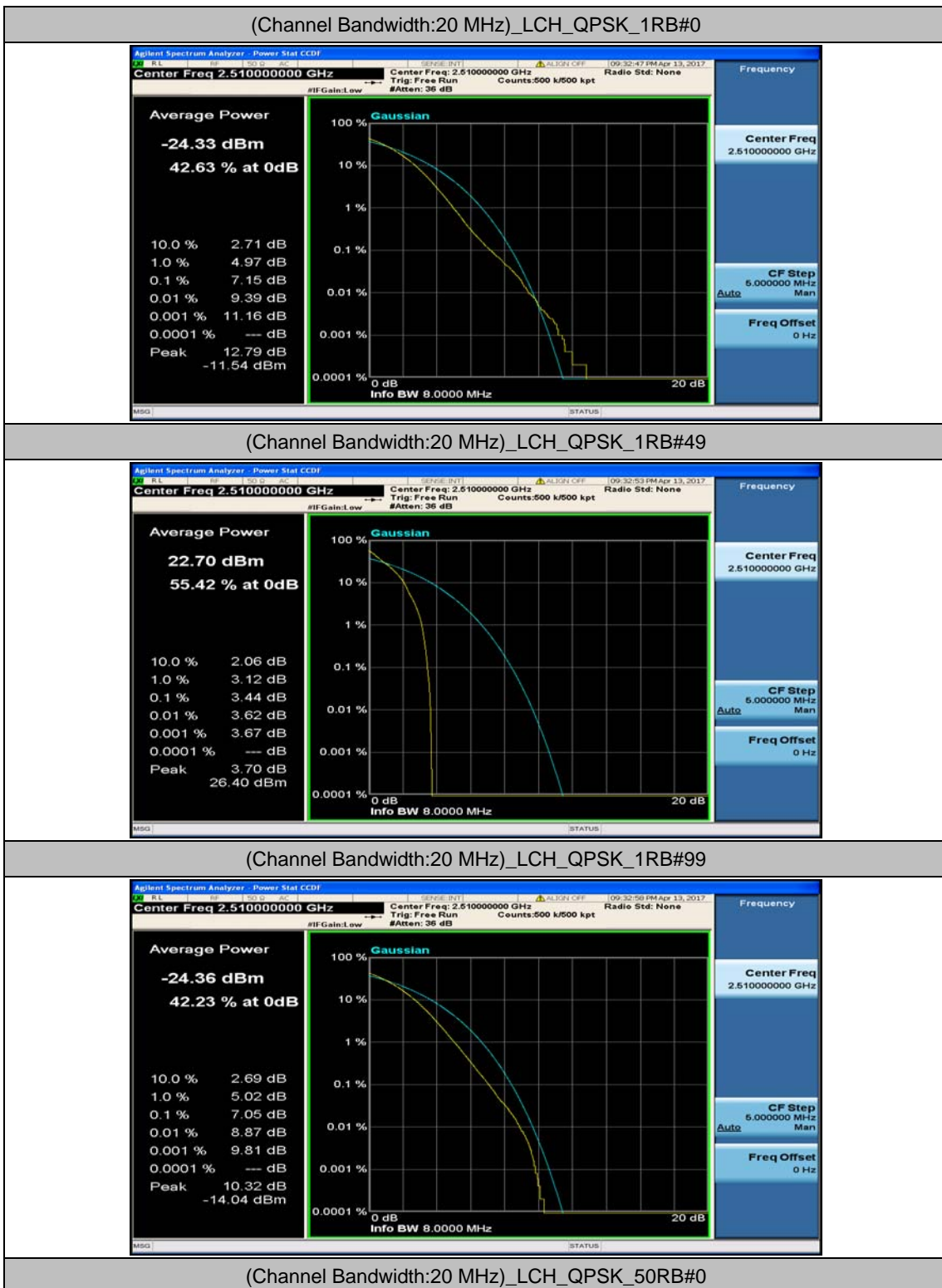
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_37RB#38



(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_75RB#0



### Channel Bandwidth: 20 MHz





(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_50RB#25



(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_50RB#50



(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_100RB#0