

## Appendix for Band 17

### 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	23.79	PASS
		1	12	24.08	PASS
		1	24	24.14	PASS
		12	0	22.40	PASS
		12	6	22.81	PASS
		12	13	23.80	PASS
		25	0	22.99	PASS
	MCH	1	0	24.58	PASS
		1	12	24.80	PASS
		1	24	23.90	PASS
		12	0	24.09	PASS
		12	6	23.96	PASS
		12	13	23.51	PASS
		25	0	23.74	PASS
	HCH	1	0	24.24	PASS
		1	12	22.20	PASS
		1	24	22.38	PASS
		12	0	22.25	PASS
		12	6	21.42	PASS
		12	13	21.14	PASS
		25	0	21.60	PASS
16QAM	LCH	1	0	22.52	PASS
		1	12	22.95	PASS
		1	24	24.09	PASS
		12	0	21.58	PASS
		12	6	22.01	PASS
		12	13	22.94	PASS
		25	0	22.21	PASS
	MCH	1	0	24.15	PASS
		1	12	23.93	PASS
		1	24	23.27	PASS
		12	0	23.12	PASS
		12	6	23.02	PASS

		12	13	22.77	PASS
		25	0	23.01	PASS
	HCH	1	0	23.68	PASS
		1	12	21.72	PASS
		1	24	21.96	PASS
		12	0	21.61	PASS
		12	6	20.84	PASS
		12	13	20.59	PASS
		25	0	20.95	PASS

**Channel Bandwidth: 10 MHz**

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.97	PASS
		1	24	24.90	PASS
		1	49	21.90	PASS
		25	0	22.48	PASS
		25	12	23.07	PASS
		25	25	22.54	PASS
		50	0	22.50	PASS
	MCH	1	0	22.33	PASS
		1	24	23.75	PASS
		1	49	21.44	PASS
		25	0	22.93	PASS
		25	12	22.88	PASS
		25	25	21.76	PASS
		50	0	22.34	PASS
	HCH	1	0	23.07	PASS
		1	24	23.12	PASS
		1	49	21.46	PASS
		25	0	23.05	PASS
		25	12	22.37	PASS
		25	25	21.11	PASS
		50	0	22.21	PASS
16QAM	LCH	1	0	21.48	PASS
		1	24	23.56	PASS
		1	49	21.42	PASS
		25	0	21.73	PASS
		25	12	22.30	PASS
		25	25	21.84	PASS
		50	0	21.78	PASS
	MCH	1	0	21.86	PASS

		1	24	23.22	PASS
		1	49	21.01	PASS
		25	0	22.15	PASS
		25	12	22.15	PASS
		25	25	21.09	PASS
		50	0	21.61	PASS
	HCH	1	0	22.68	PASS
		1	24	22.74	PASS
		1	49	21.17	PASS
		25	0	22.30	PASS
		25	12	21.72	PASS
		25	25	20.52	PASS
		50	0	21.53	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	3.43	<13	PASS
		1	12	4.13	<13	PASS
		1	24	3.48	<13	PASS
		12	0	4.95	<13	PASS
		12	6	5.04	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.31	<13	PASS
	MCH	1	0	3.41	<13	PASS
		1	12	3.91	<13	PASS
		1	24	3.94	<13	PASS
		12	0	4.69	<13	PASS
		12	6	4.75	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.06	<13	PASS
	HCH	1	0	3.72	<13	PASS
		1	12	4.54	<13	PASS
		1	24	3.48	<13	PASS
		12	0	5.15	<13	PASS
		12	6	5.24	<13	PASS
		12	13	5.06	<13	PASS
		25	0	5.51	<13	PASS
16QAM	LCH	1	0	4.22	<13	PASS
		1	12	4.93	<13	PASS
		1	24	4.25	<13	PASS
		12	0	5.71	<13	PASS
		12	6	5.78	<13	PASS
		12	13	5.62	<13	PASS
		25	0	6	<13	PASS
	MCH	1	0	4.06	<13	PASS
		1	12	4.46	<13	PASS
		1	24	4.52	<13	PASS
		12	0	5.54	<13	PASS
		12	6	5.53	<13	PASS

		12	13	5.74	<13	PASS
		25	0	5.8	<13	PASS
	HCH	1	0	4.51	<13	PASS
		1	12	5.2	<13	PASS
		1	24	4.25	<13	PASS
		12	0	5.92	<13	PASS
		12	6	5.91	<13	PASS
		12	13	5.83	<13	PASS
		25	0	6.16	<13	PASS

### Channel Bandwidth: 10 MHz

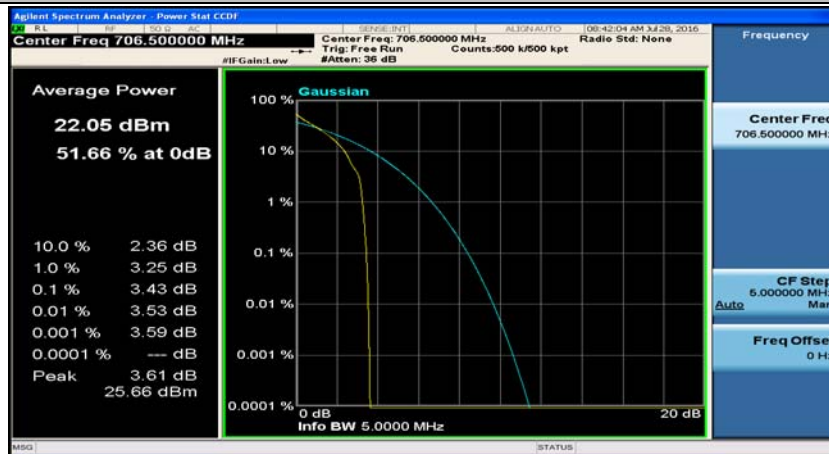
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.58	<13	PASS
		1	24	3.9	<13	PASS
		1	49	3.94	<13	PASS
		25	0	5.12	<13	PASS
		25	12	4.9	<13	PASS
		25	25	5.2	<13	PASS
		50	0	5	<13	PASS
	MCH	1	0	3.76	<13	PASS
		1	24	4	<13	PASS
		1	49	3.76	<13	PASS
		25	0	5	<13	PASS
		25	12	5.01	<13	PASS
		25	25	5.28	<13	PASS
		50	0	5.02	<13	PASS
	HCH	1	0	3.68	<13	PASS
		1	24	4.06	<13	PASS
		1	49	3.52	<13	PASS
		25	0	4.89	<13	PASS
		25	12	5.1	<13	PASS
		25	25	5.34	<13	PASS
		50	0	5.19	<13	PASS
16QAM	LCH	1	0	4.31	<13	PASS
		1	24	4.63	<13	PASS
		1	49	4.7	<13	PASS
		25	0	5.87	<13	PASS
		25	12	5.7	<13	PASS
		25	25	5.91	<13	PASS

	MCH	50	0	5.82	<13	PASS
		1	0	4.49	<13	PASS
		1	24	4.77	<13	PASS
		1	49	4.54	<13	PASS
		25	0	5.75	<13	PASS
		25	12	5.72	<13	PASS
		25	25	6	<13	PASS
		50	0	5.89	<13	PASS
	HCH	1	0	4.46	<13	PASS
		1	24	4.84	<13	PASS
		1	49	4.36	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.88	<13	PASS
		25	25	6.07	<13	PASS
		50	0	5.97	<13	PASS

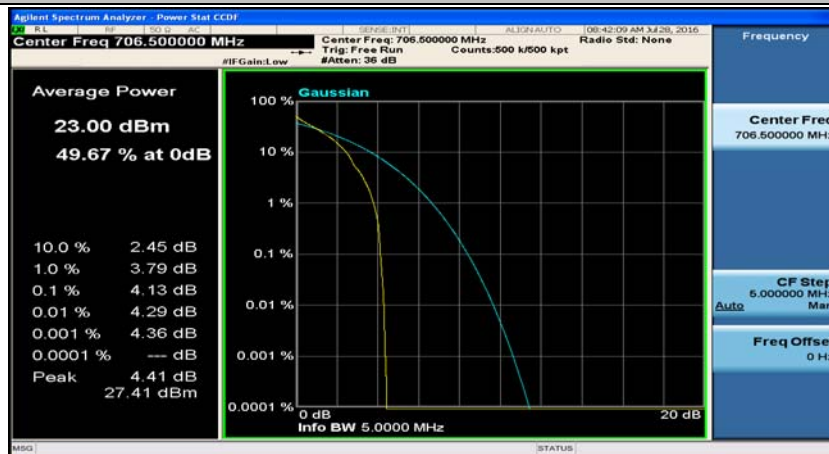
## Test Graphs

### 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

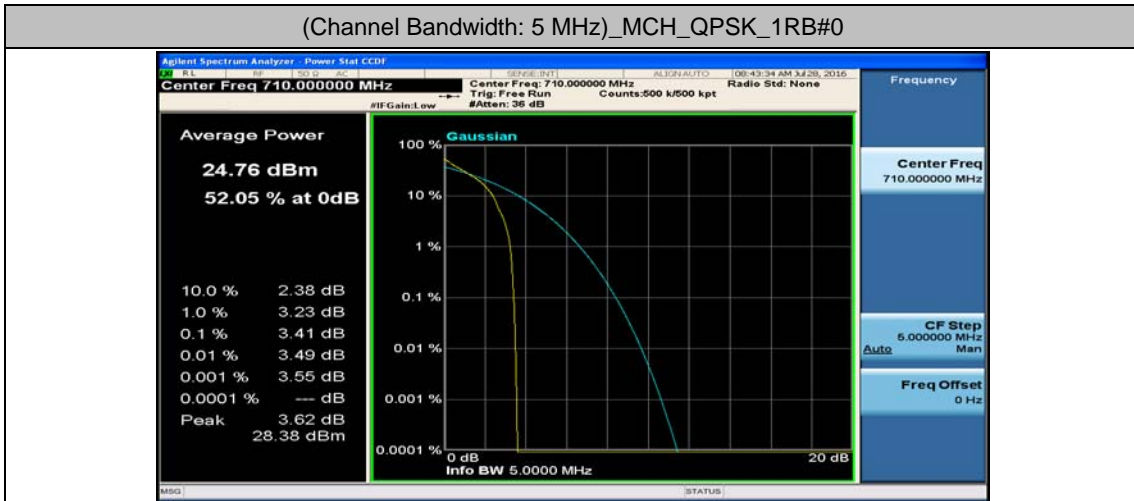


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0

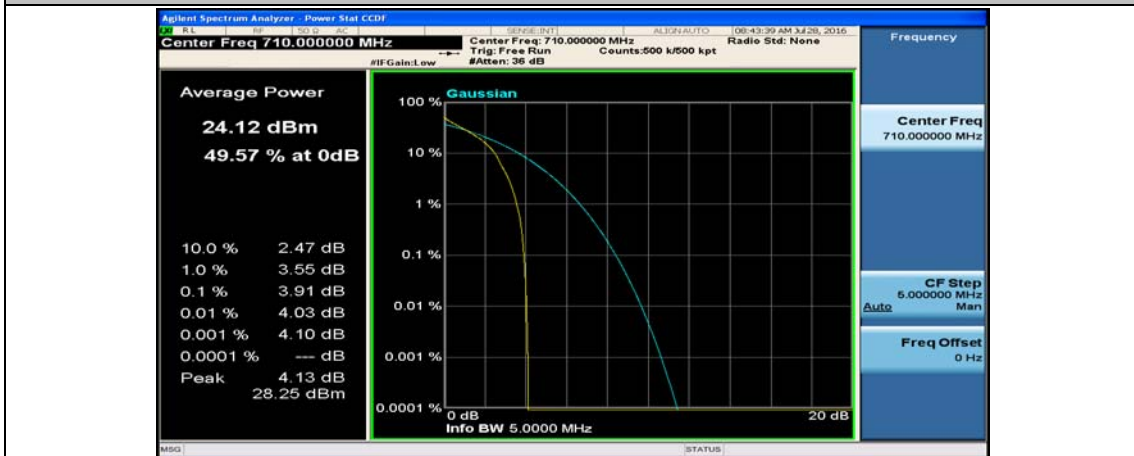




(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



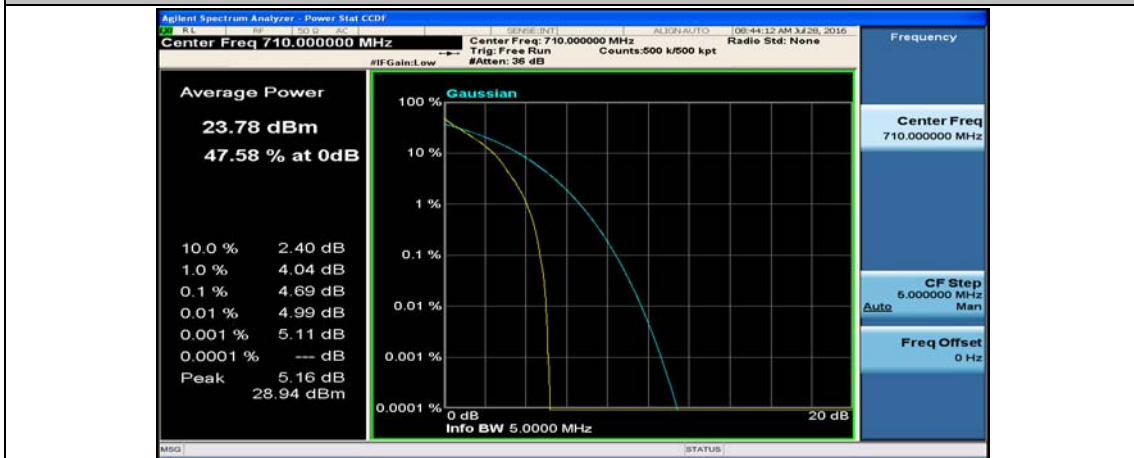
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



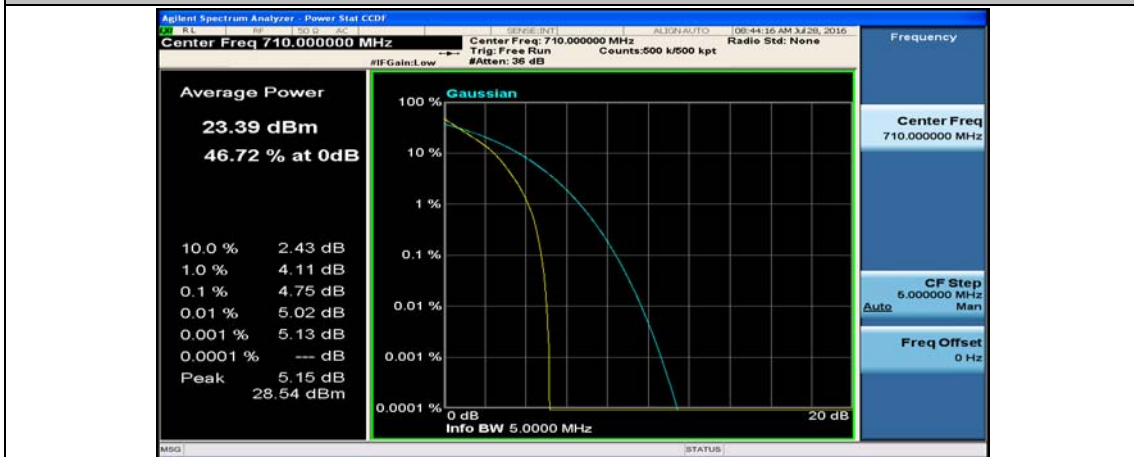
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0



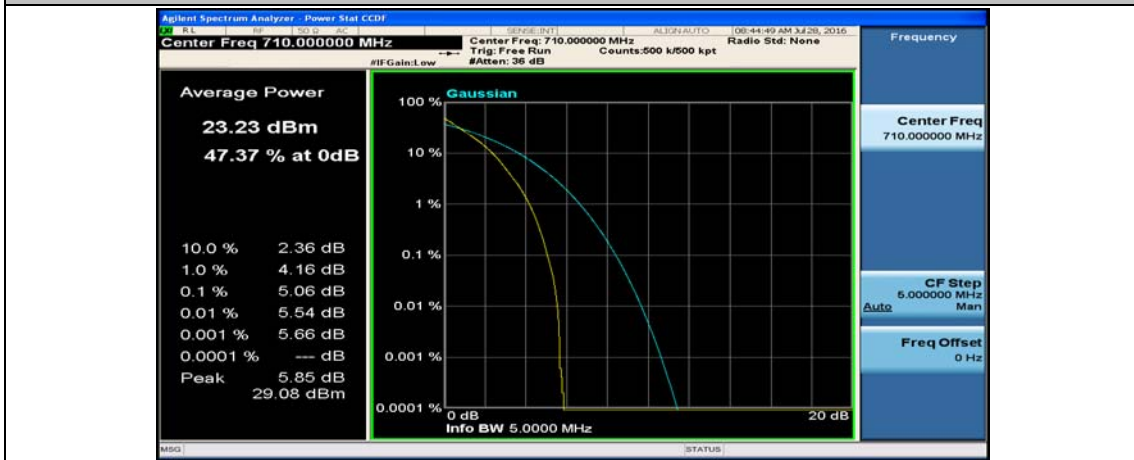
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#6



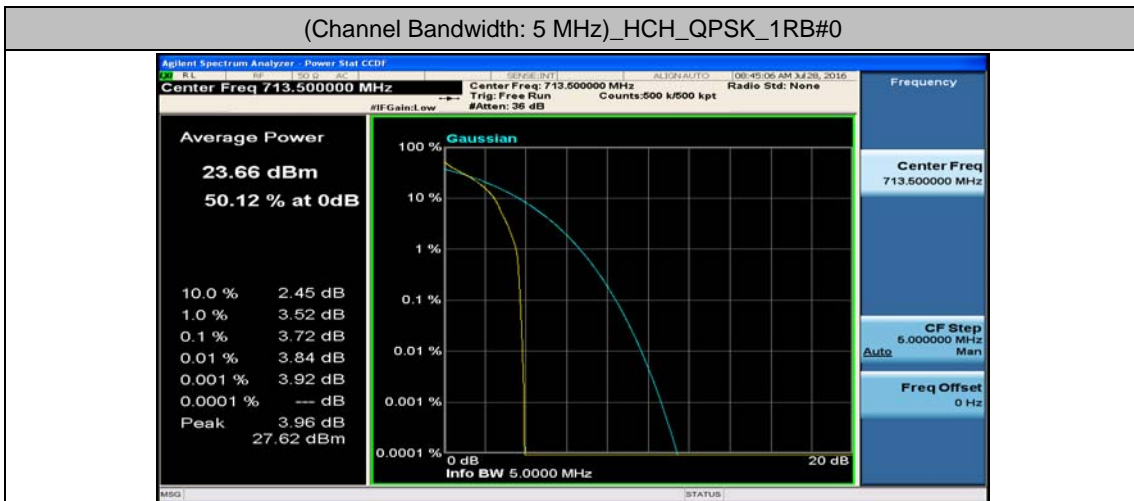
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13



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



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



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



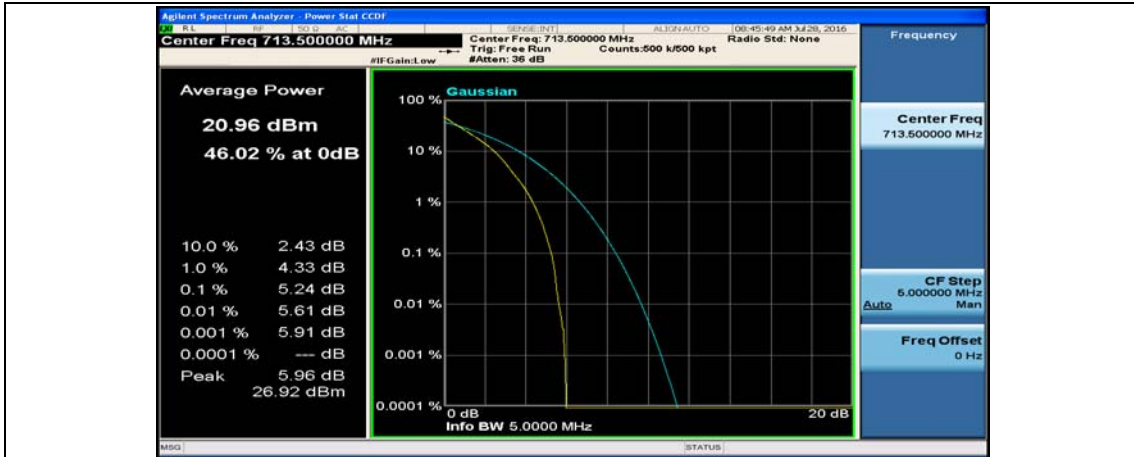
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



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



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



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

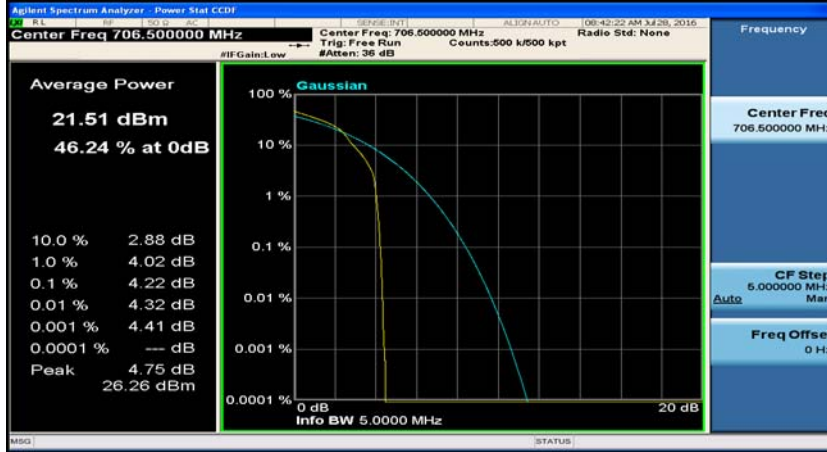


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0





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



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



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



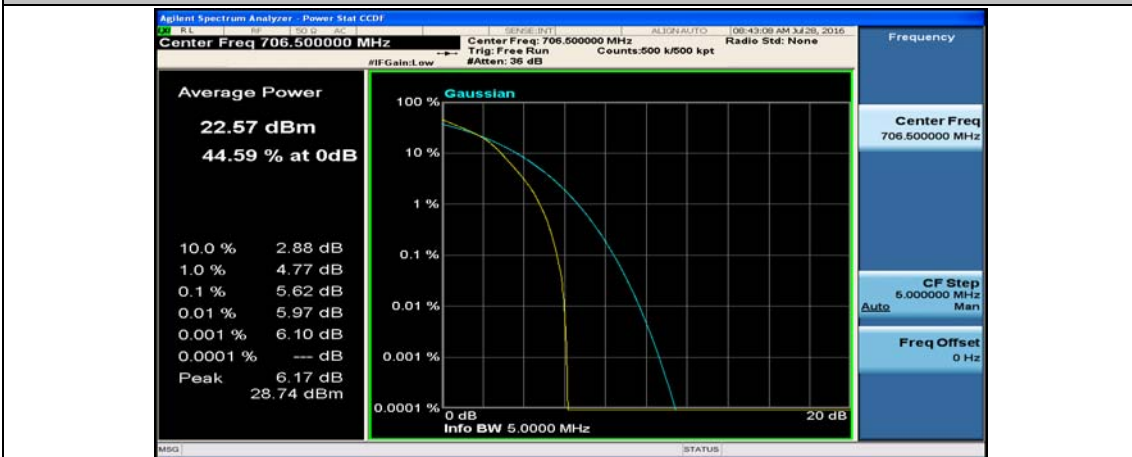
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



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



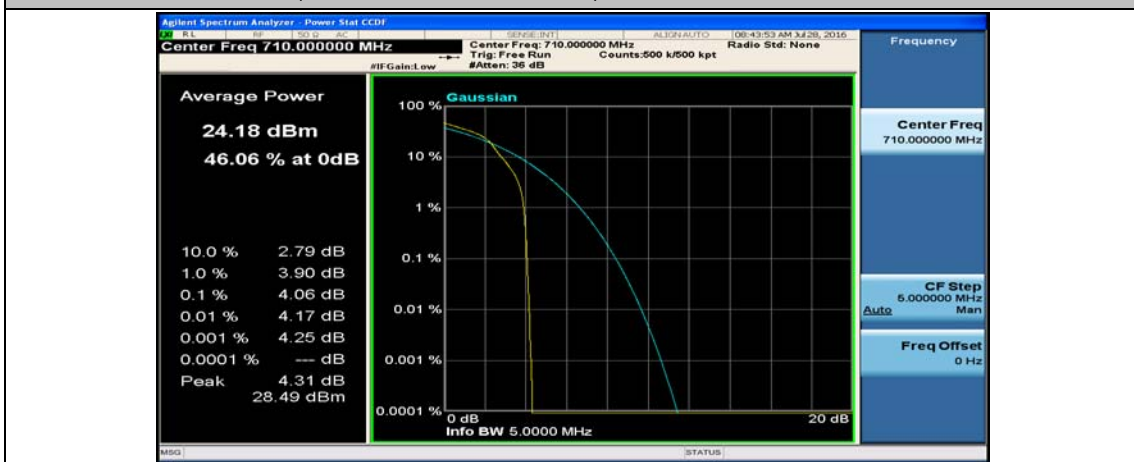
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13



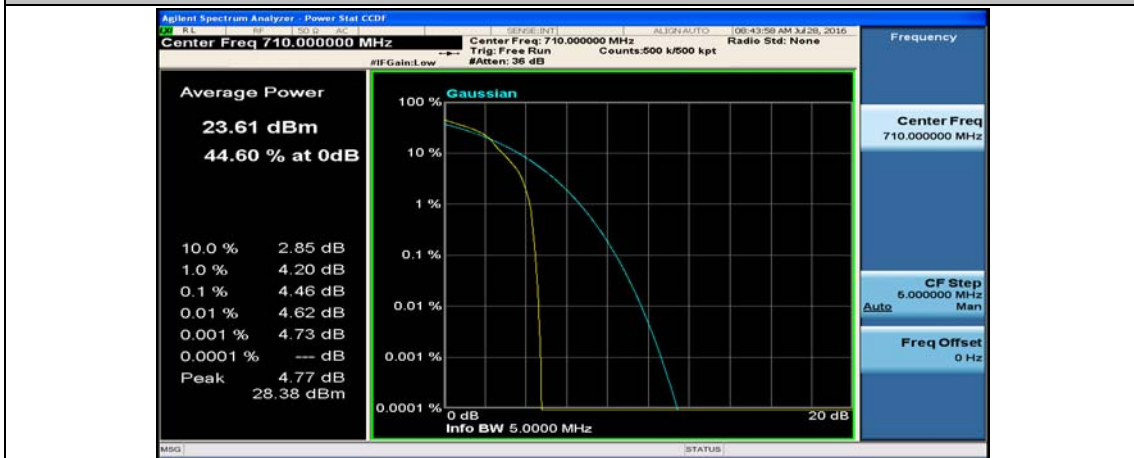
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



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



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



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

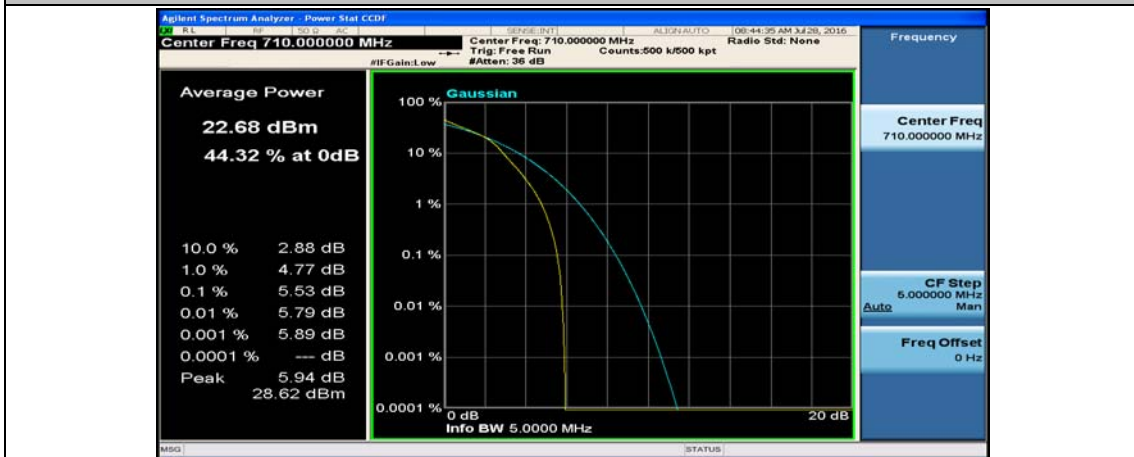




(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#0



(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



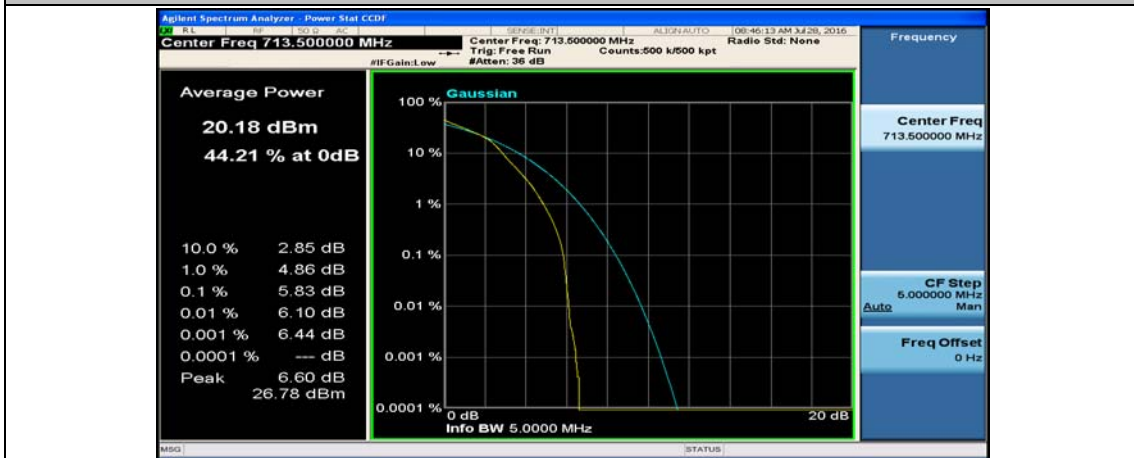
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



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



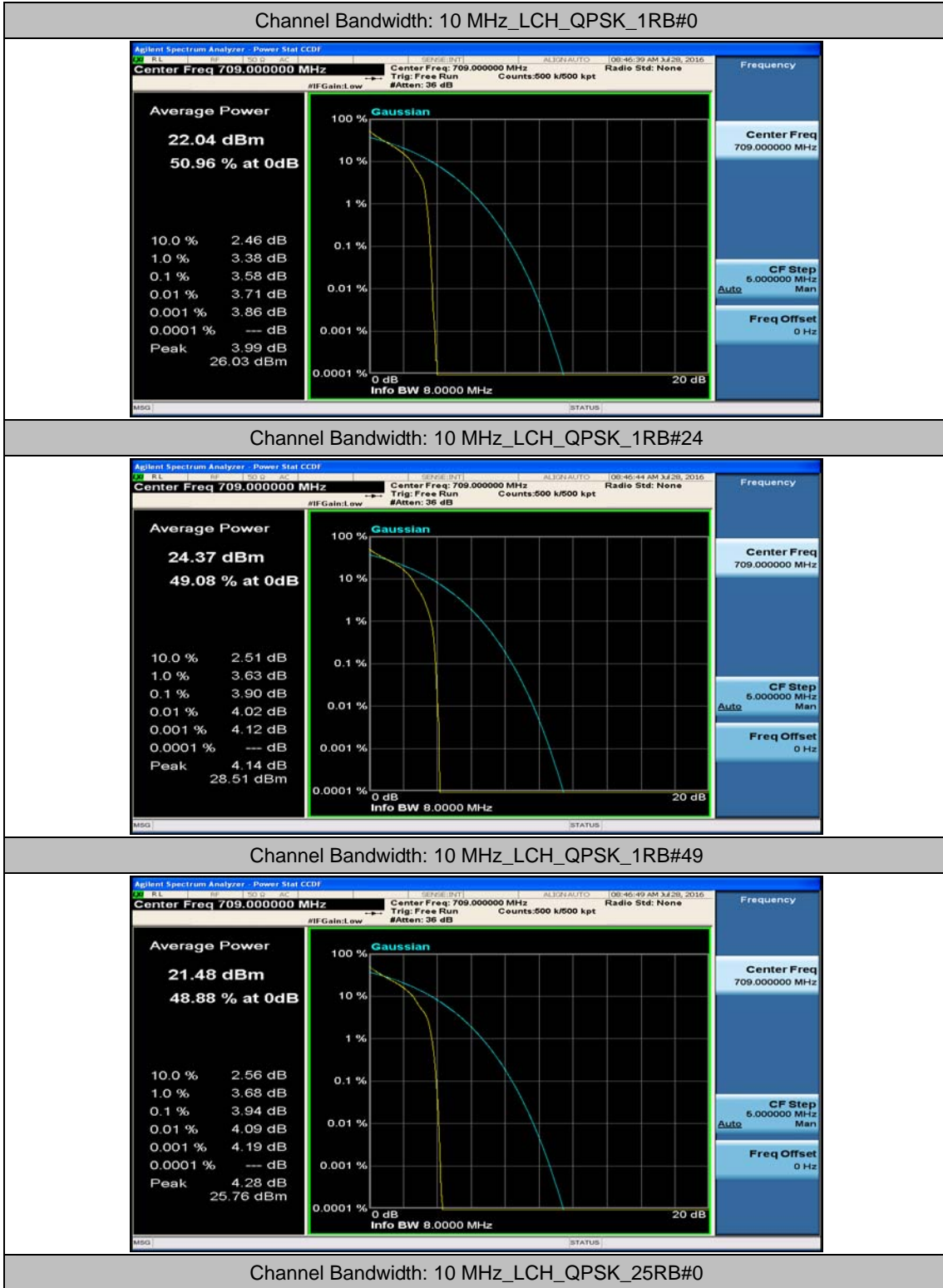
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13



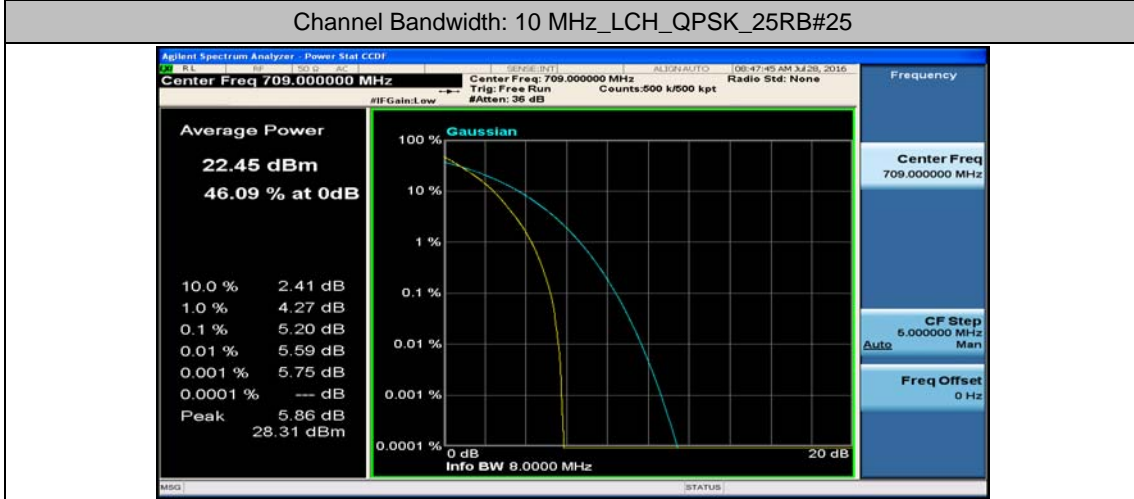
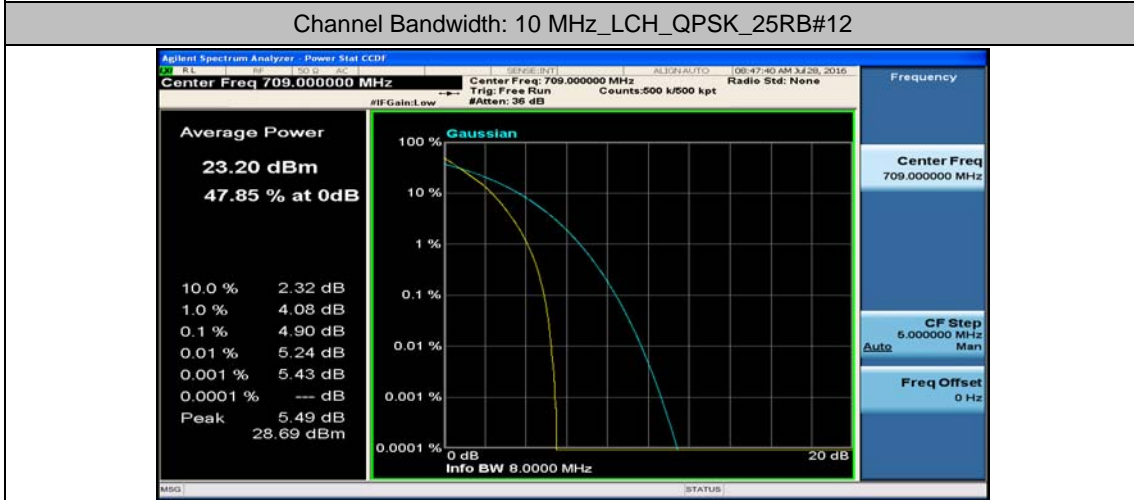
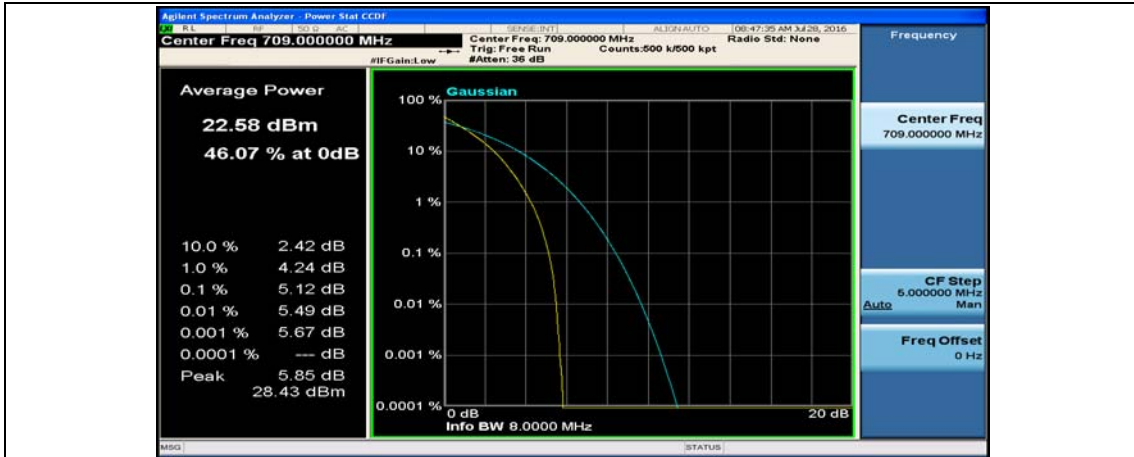
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



### Channel Bandwidth: 10 MHz

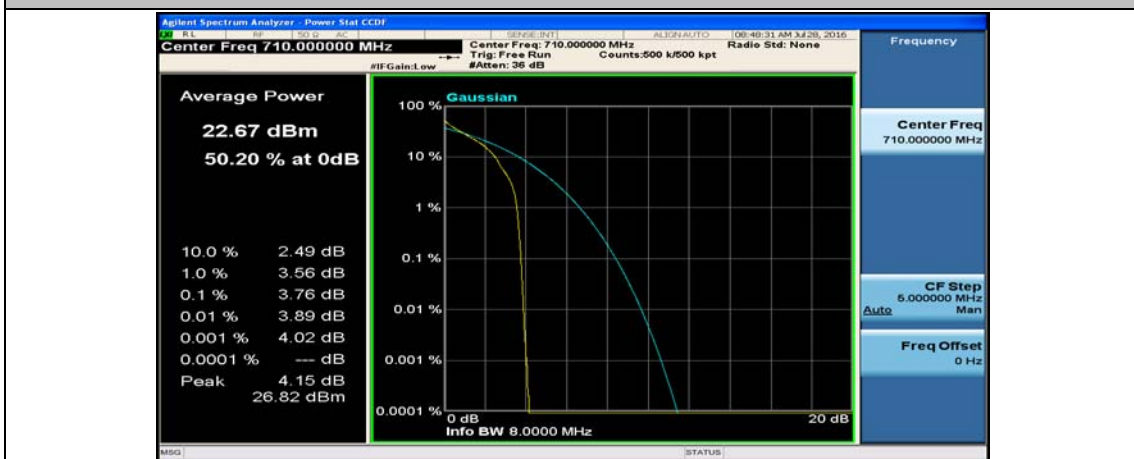




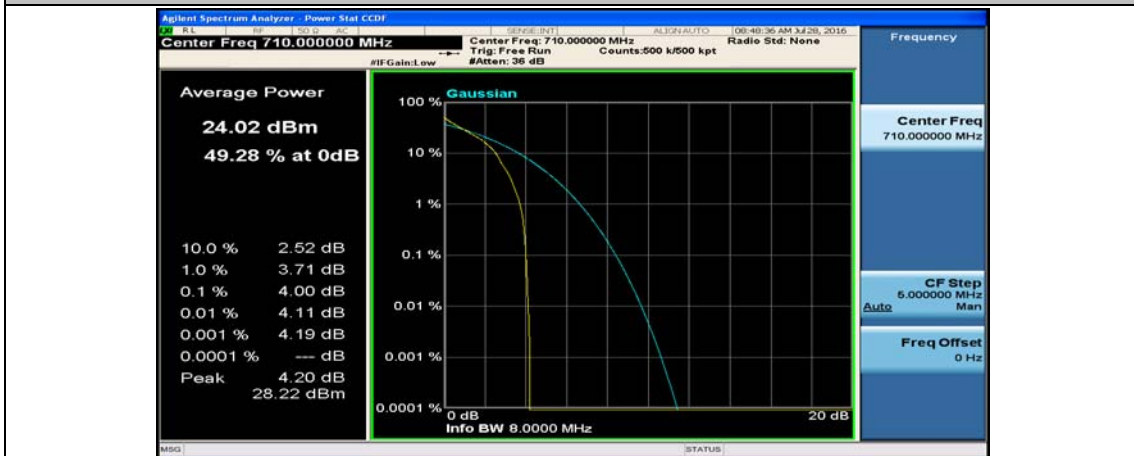




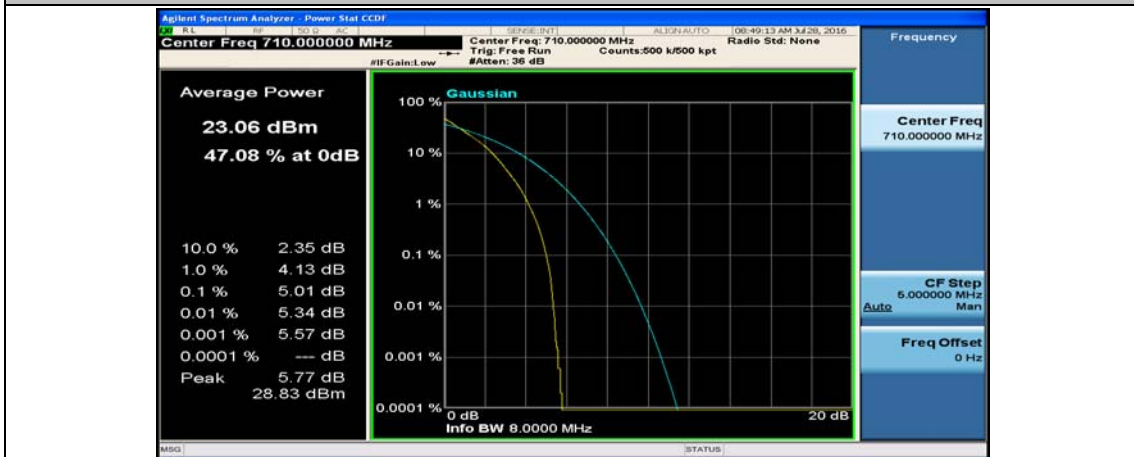
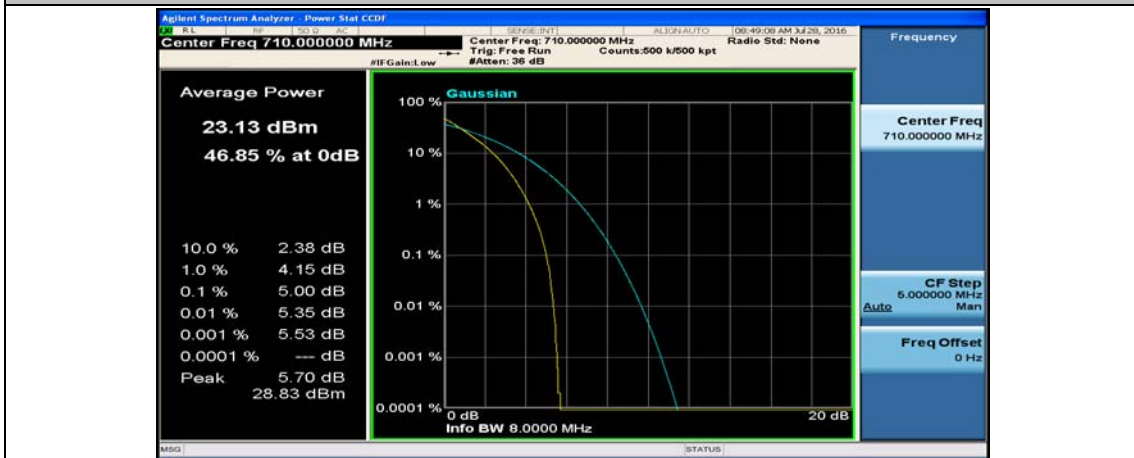
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



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



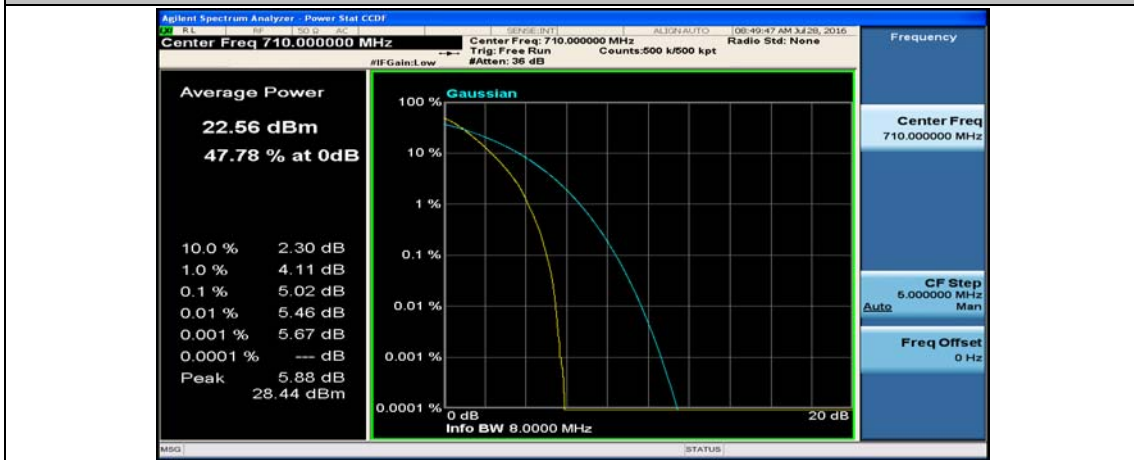
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49



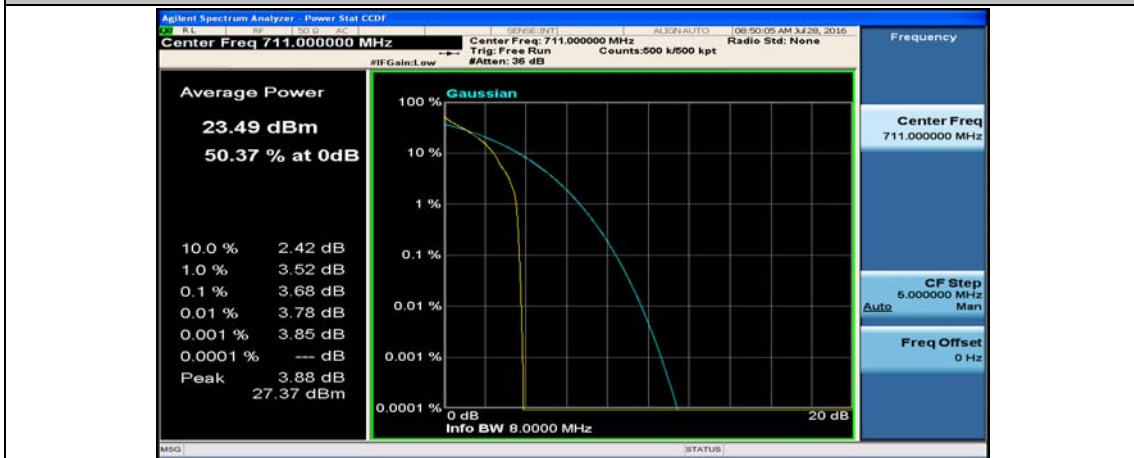




Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



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



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





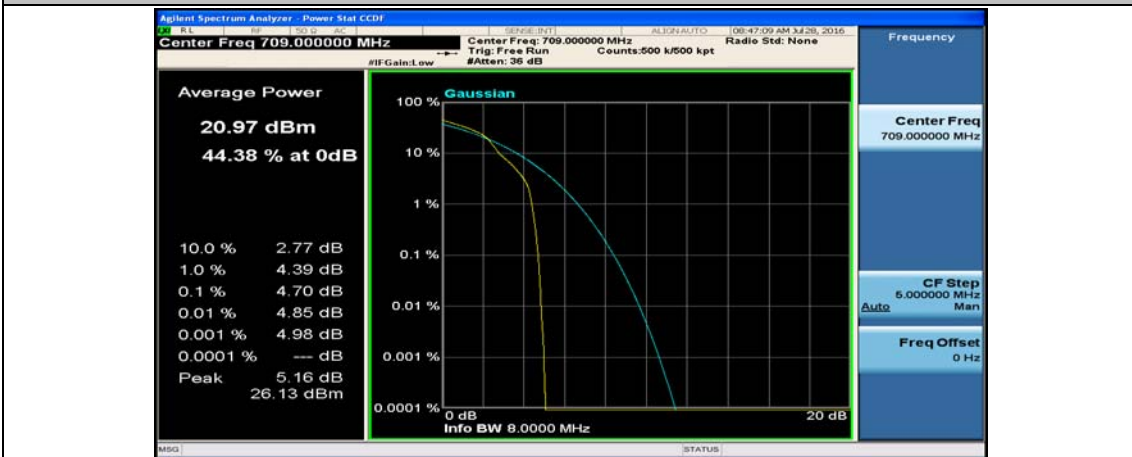
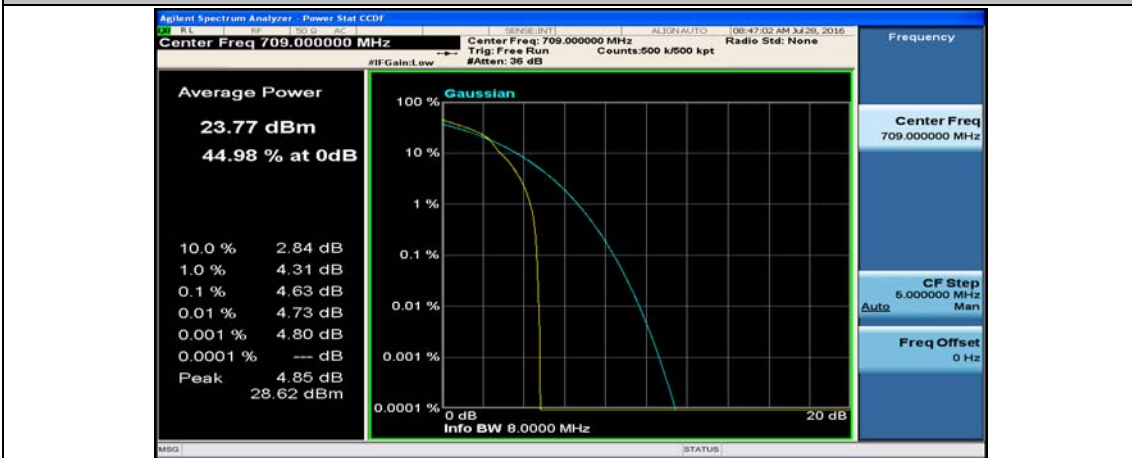
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_25RB#25



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



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





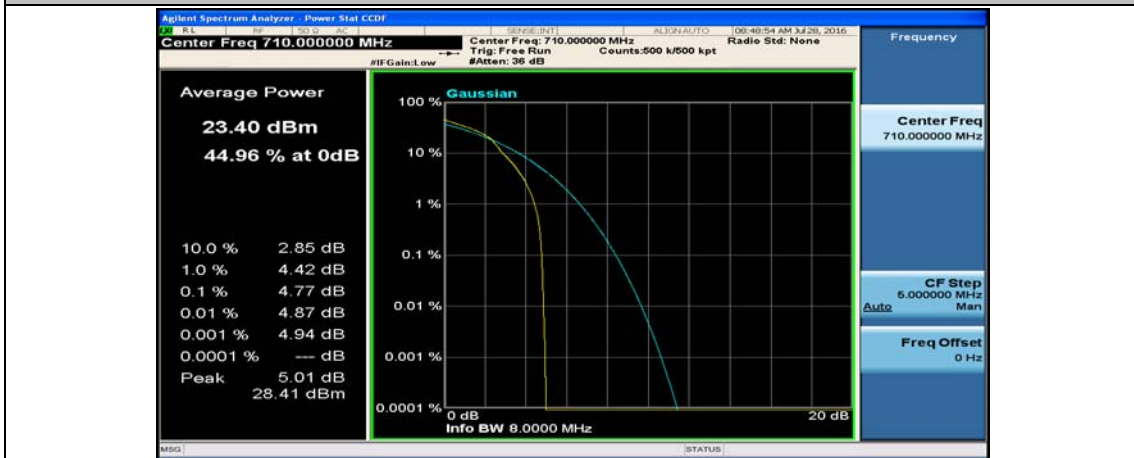




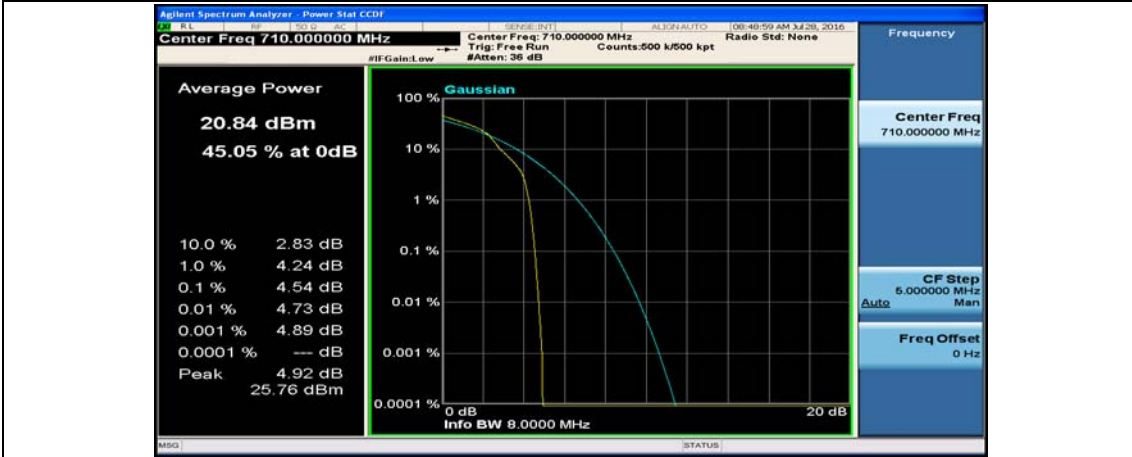
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



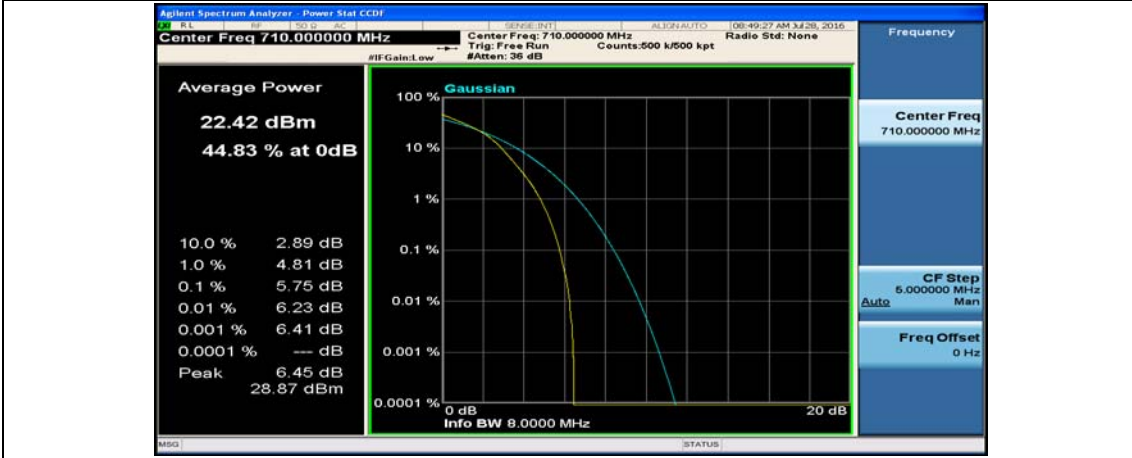
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



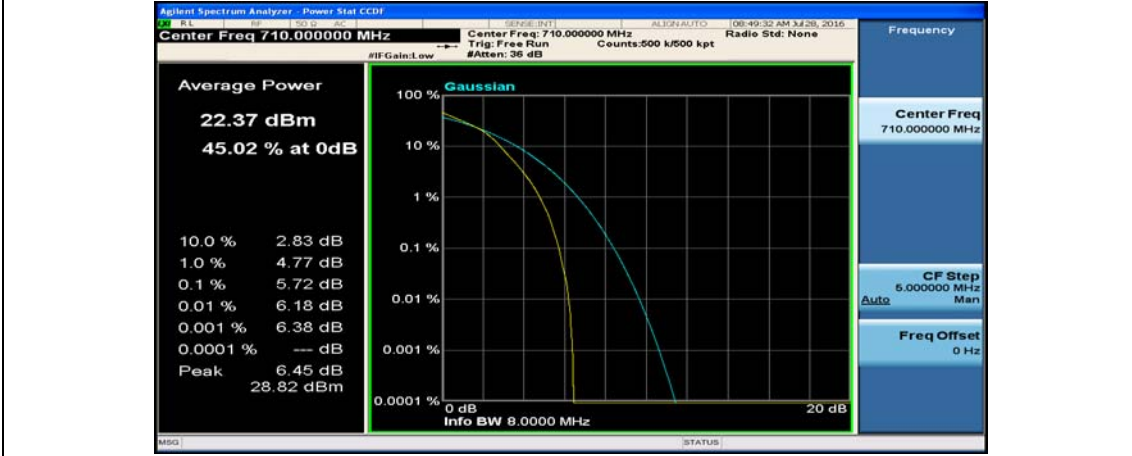
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49



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: 10 MHz\_MCH\_16QAM\_50RB#0

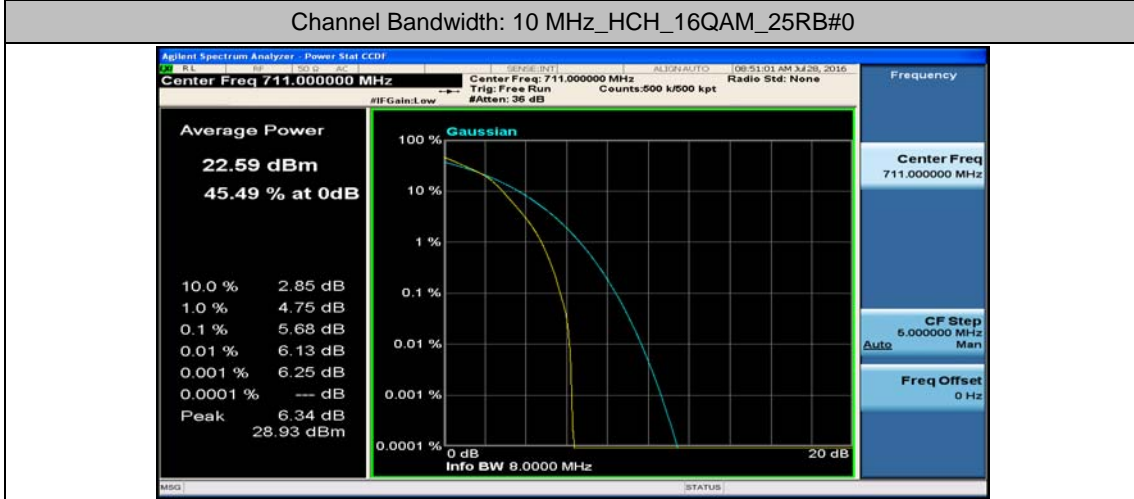
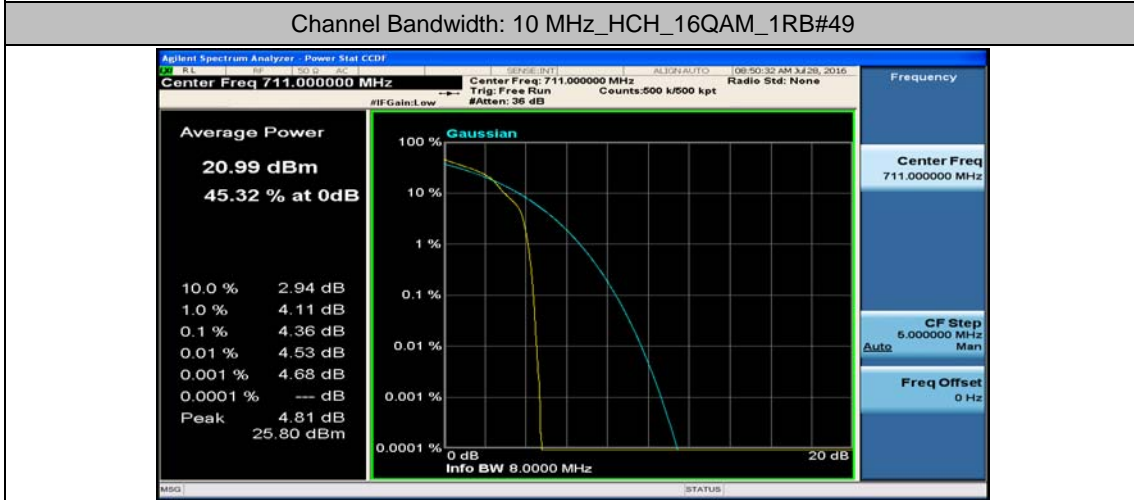


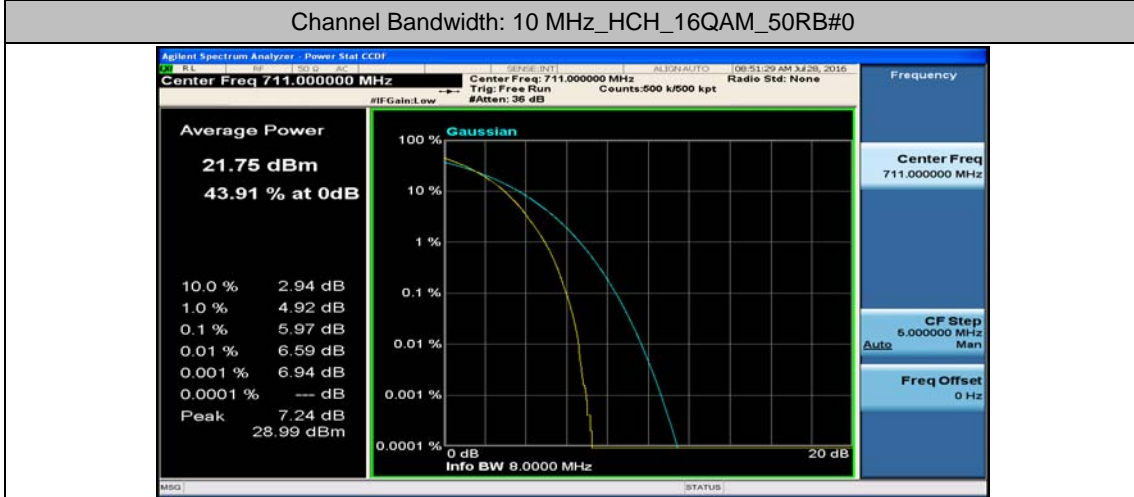
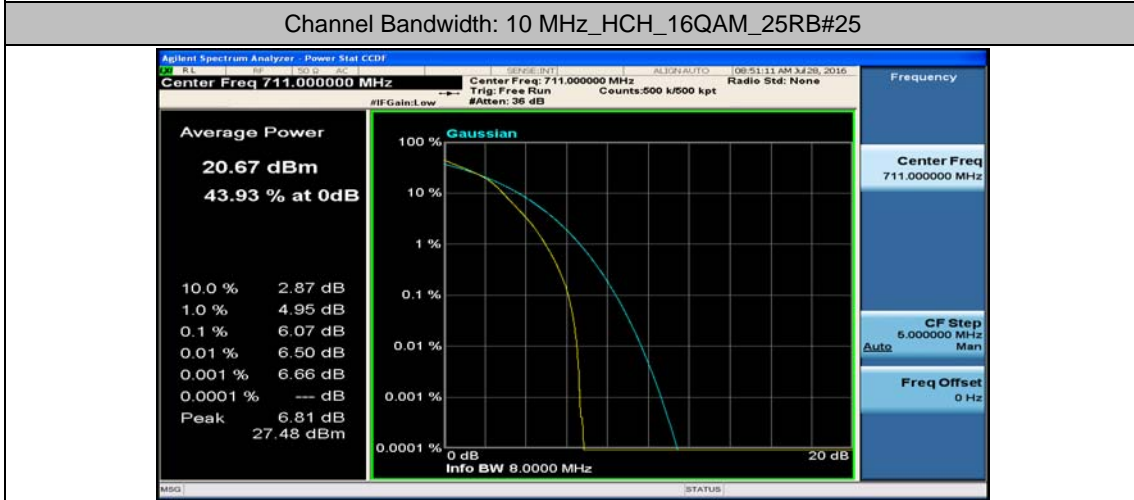
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



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







## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 5 MHz

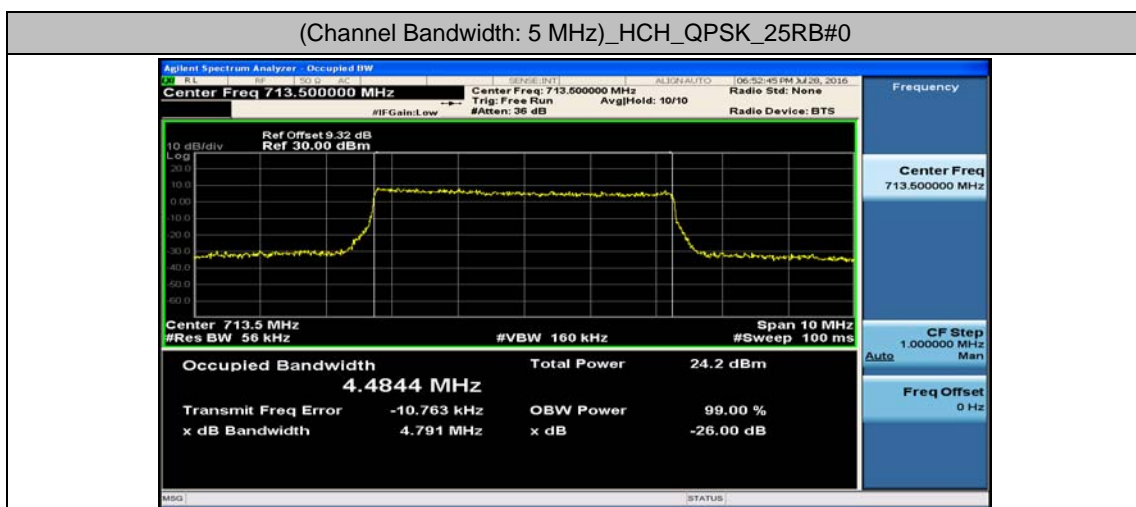
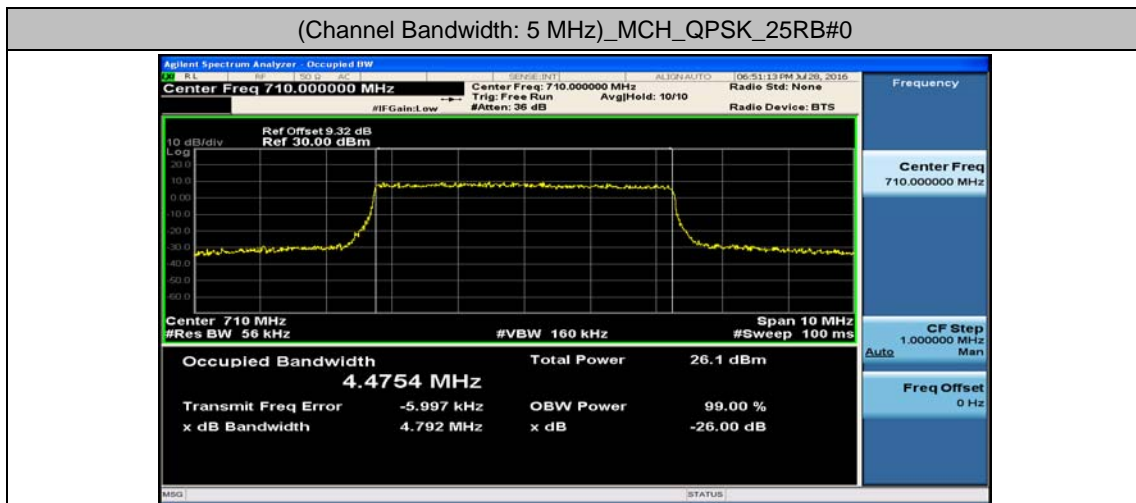
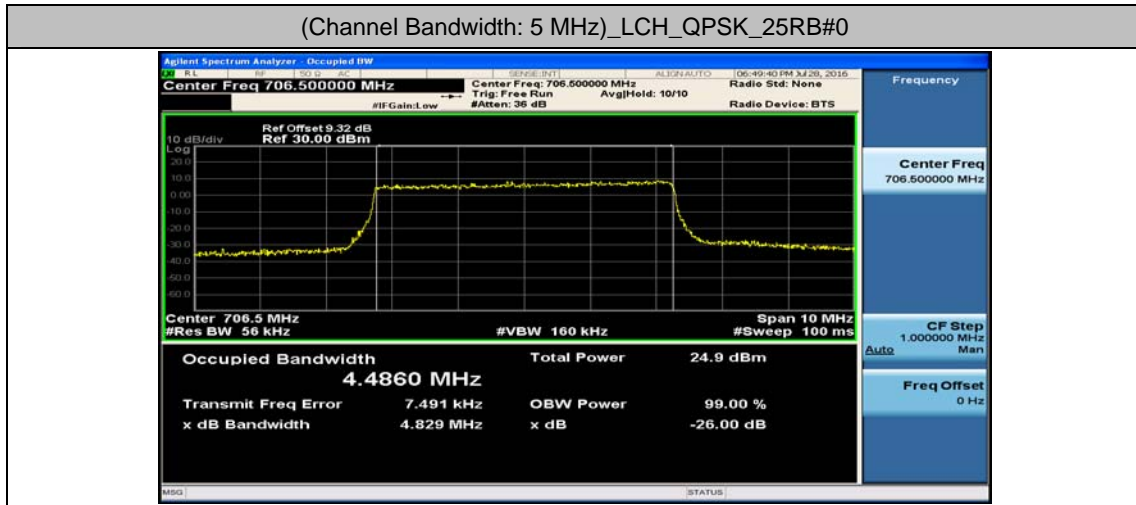
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4860	4.829	PASS
	MCH	25	0	4.4754	4.792	PASS
	HCH	25	0	4.4844	4.791	PASS
16QAM	LCH	25	0	4.4726	4.818	PASS
	MCH	25	0	4.4679	4.831	PASS
	HCH	25	0	4.4890	4.813	PASS

#### Channel Bandwidth: 10 MHz

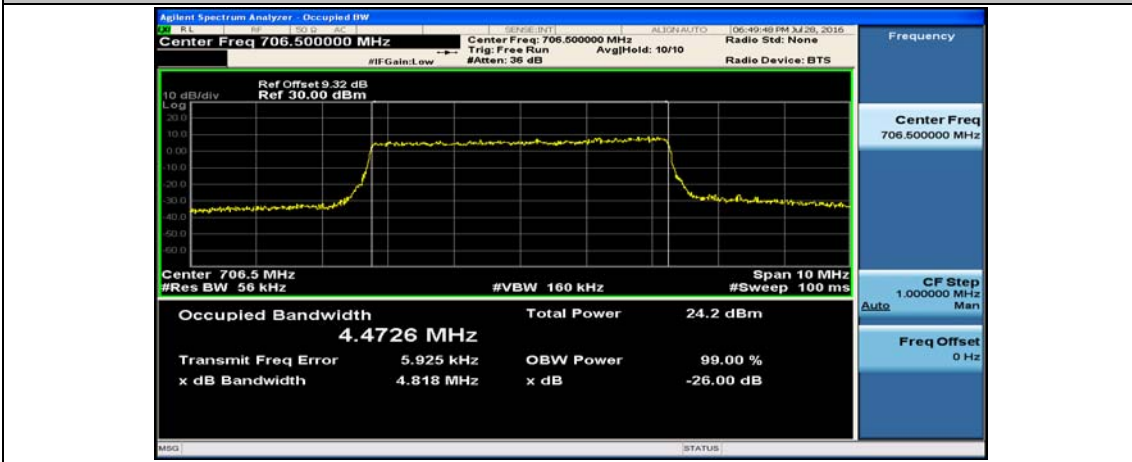
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9040	9.347	PASS
	MCH	50	0	8.9053	9.388	PASS
	HCH	50	0	8.9028	9.353	PASS
16QAM	LCH	50	0	8.8844	9.288	PASS
	MCH	50	0	8.9052	9.391	PASS
	HCH	50	0	8.9166	9.310	PASS

## Test Graphs

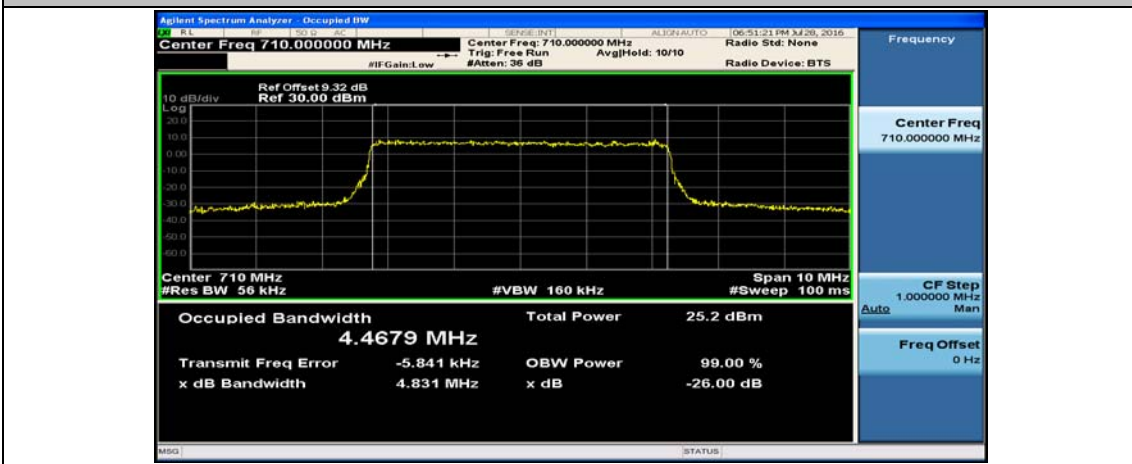
### Channel Bandwidth: 5 MHz



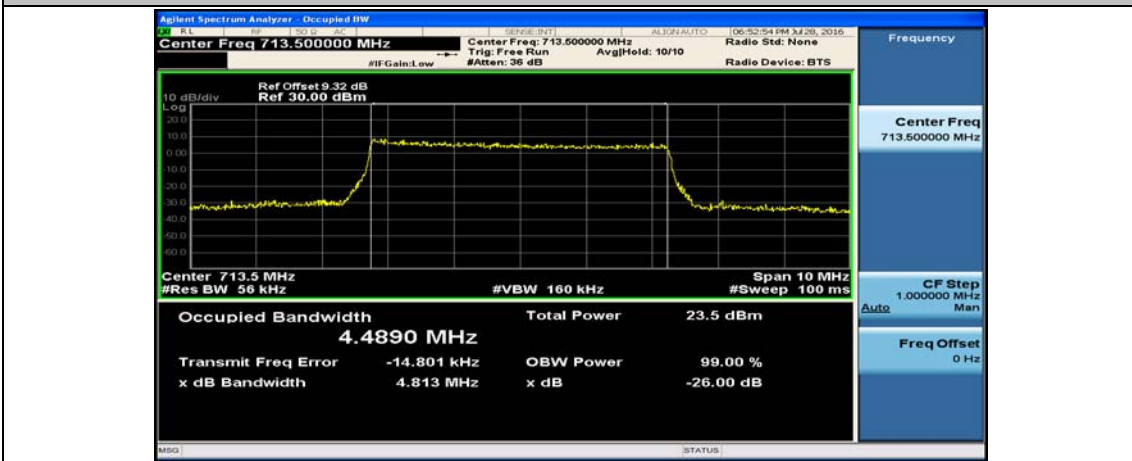
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



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

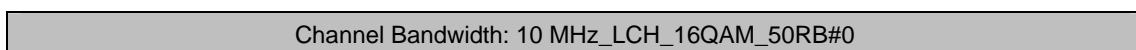
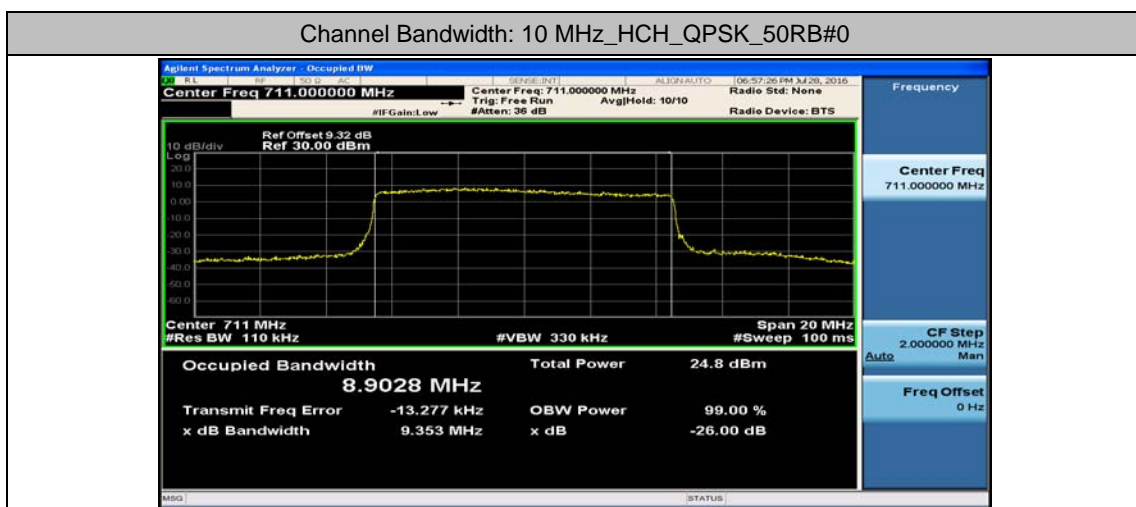
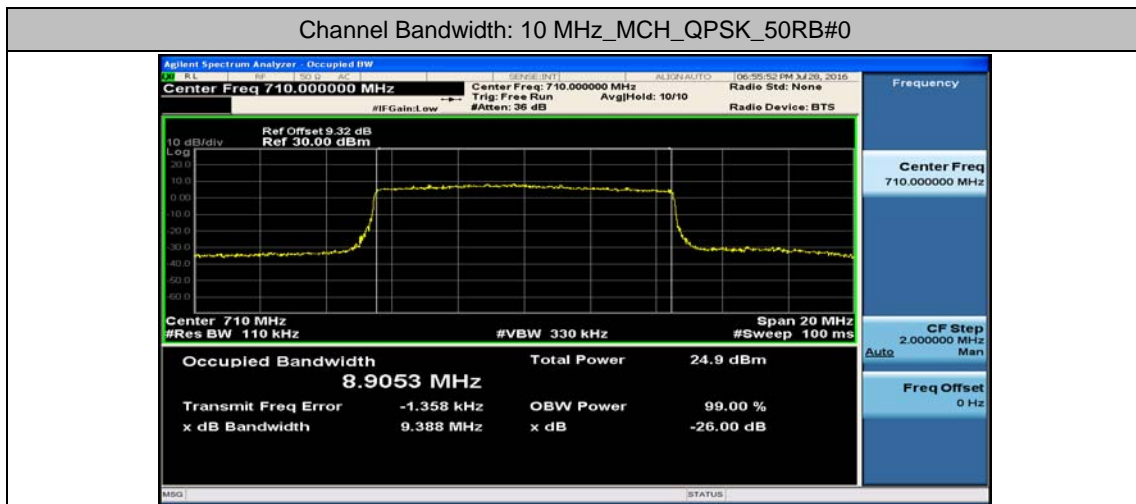
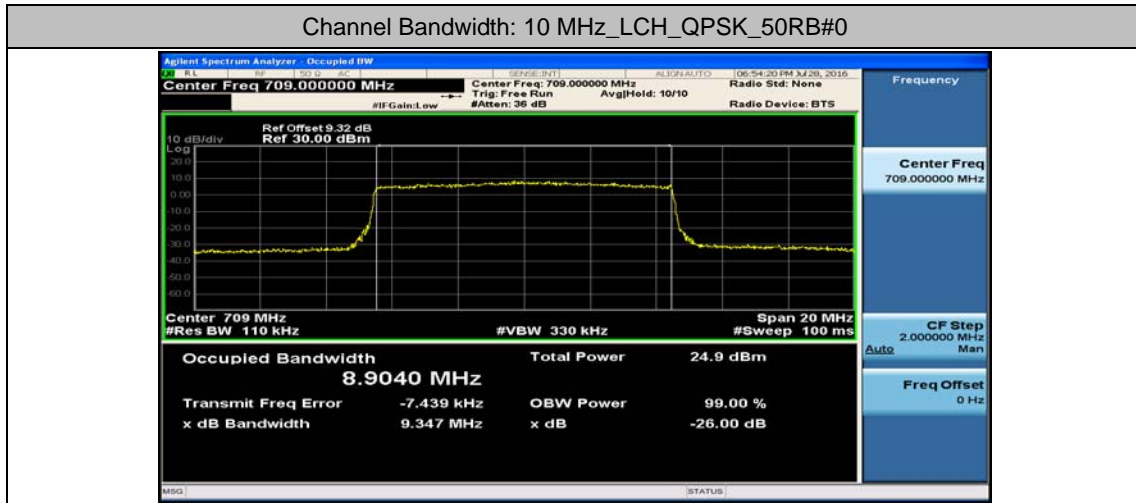


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

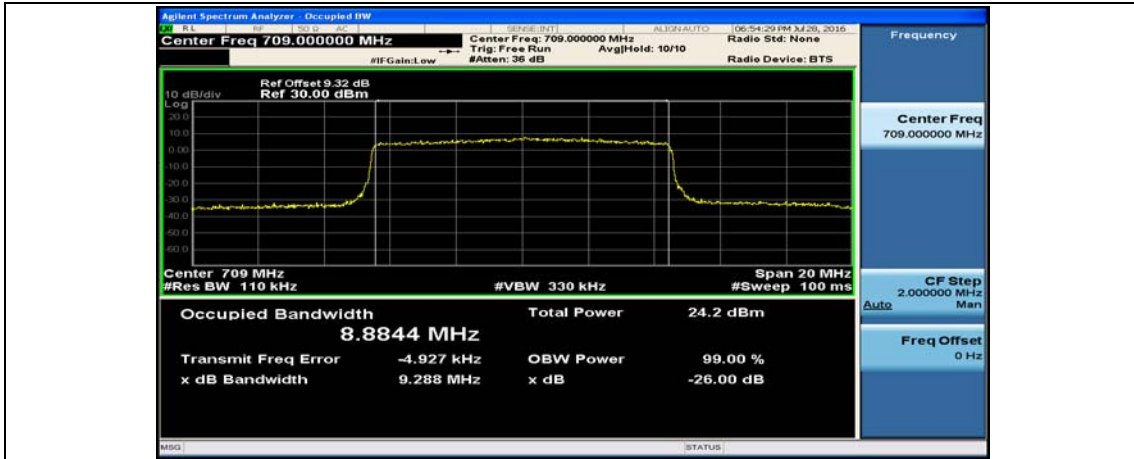




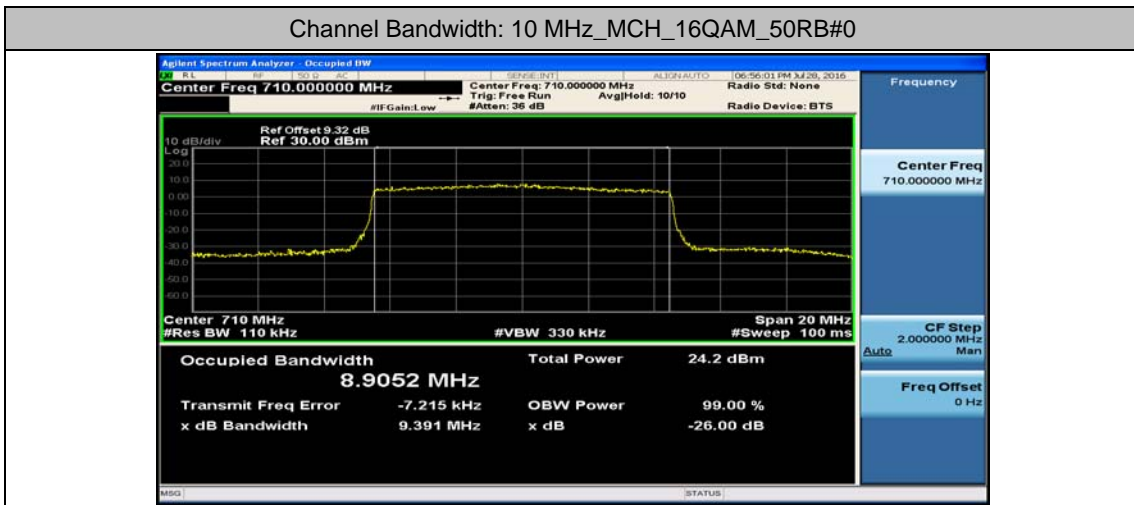
### Channel Bandwidth: 10 MHz



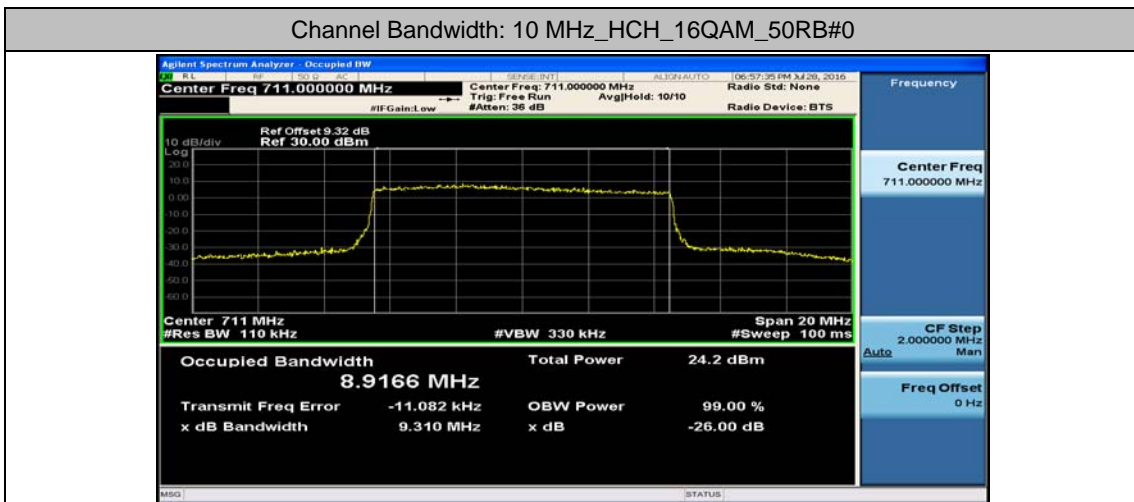




Channel Bandwidth: 10 MHz\_MCH\_16QAM\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

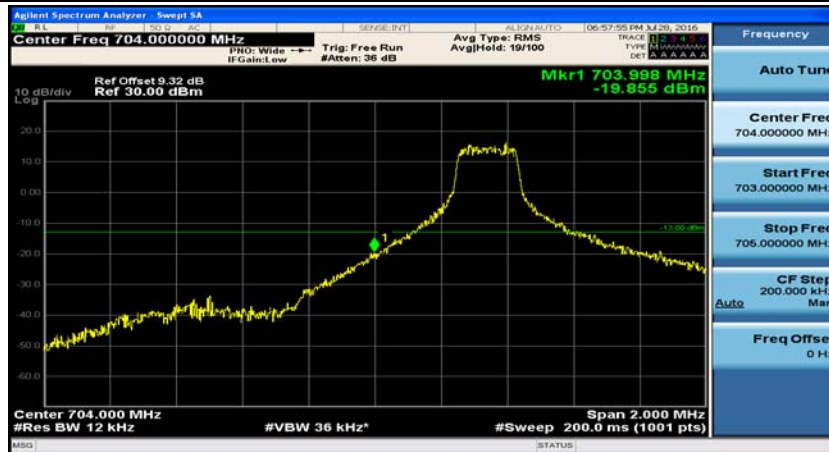


## Appendix D: Band Edge

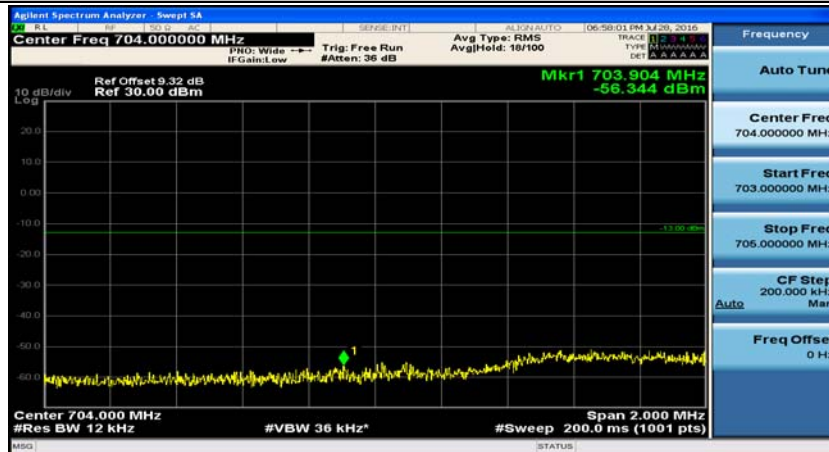
### Test Graphs

#### Channel Bandwidth: 5 MHz

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



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



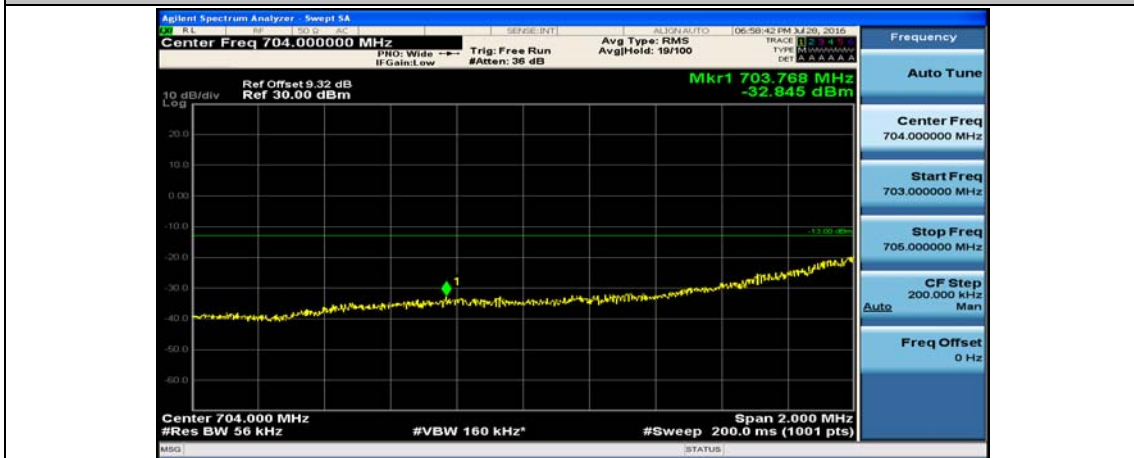
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



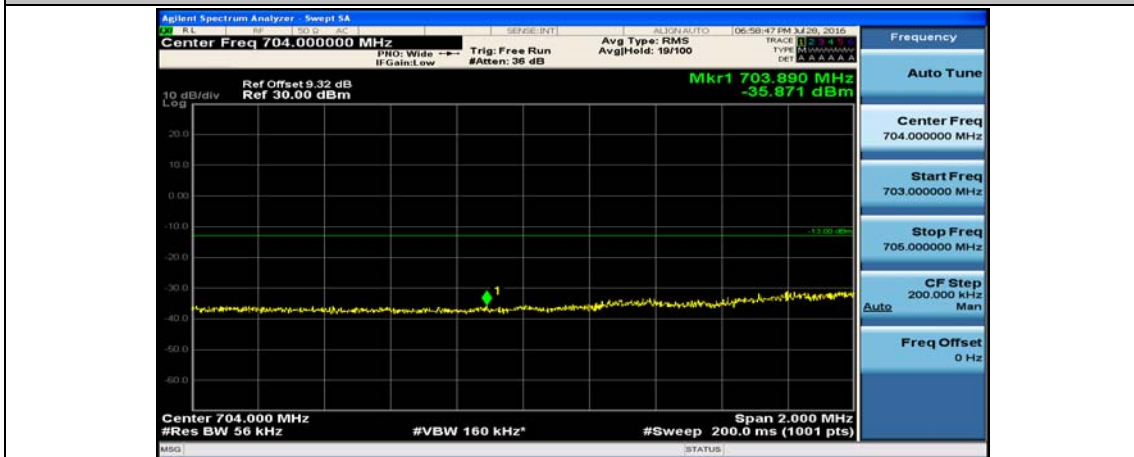
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



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



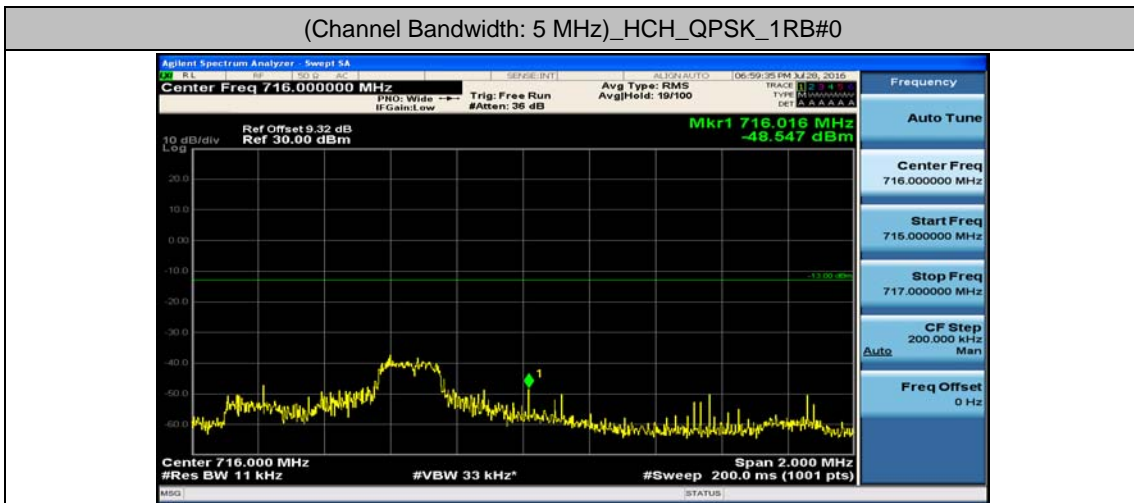
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



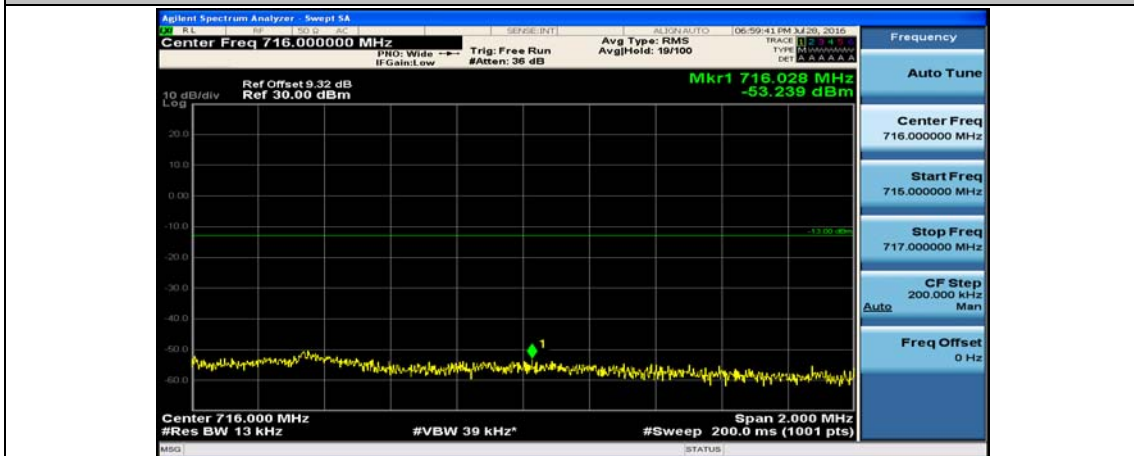
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



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



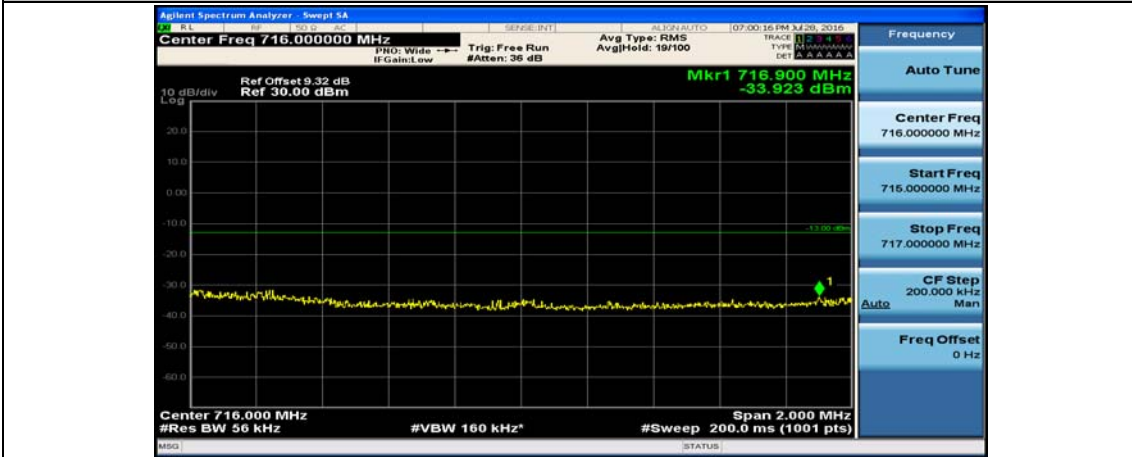
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



(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

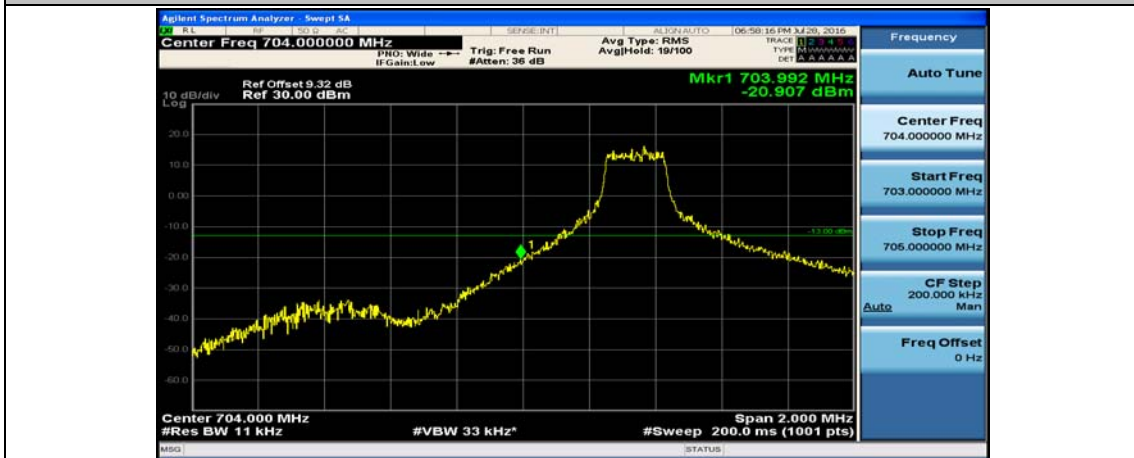




(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0

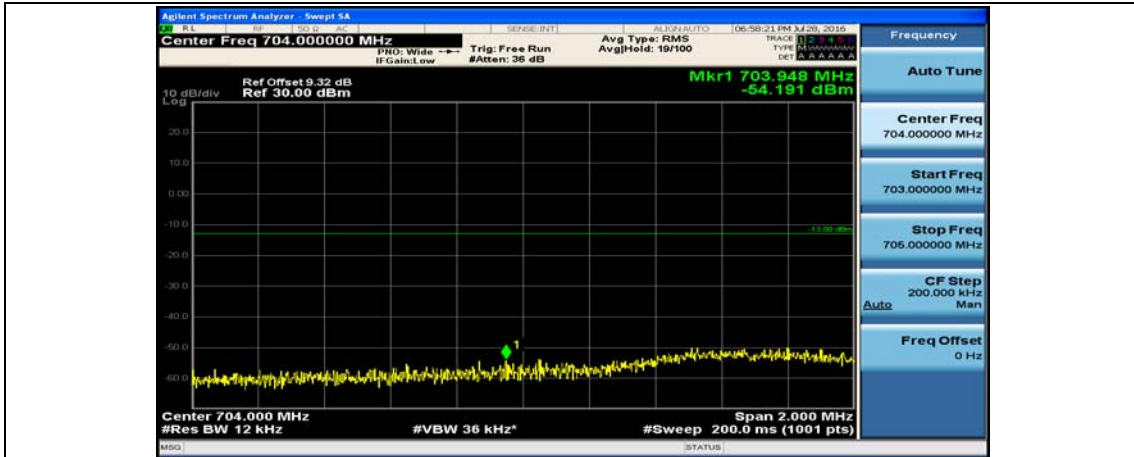


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0

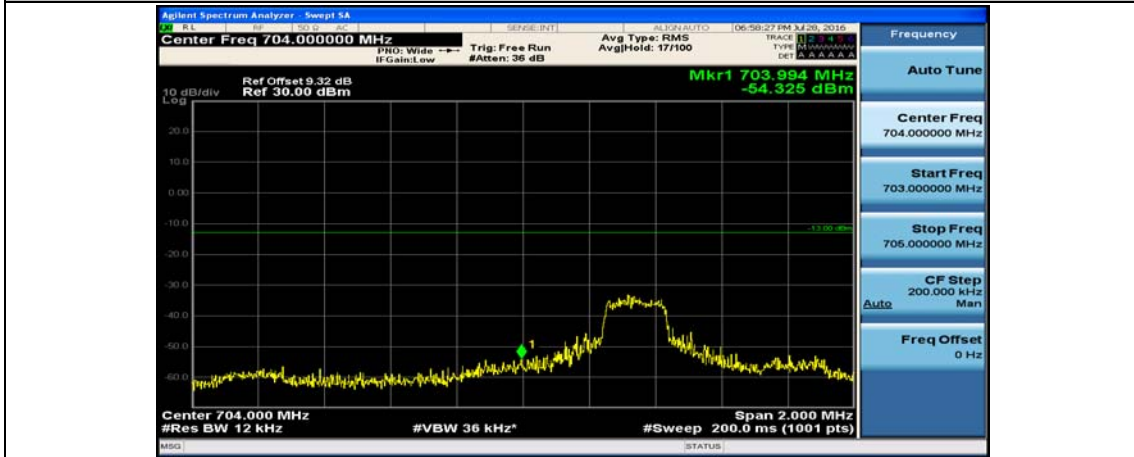


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12





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



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



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