

## Appendix E: Test Data For E-UTRA Band 17

### E.1: RF Output Power

Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.21		PASS
		1	12	22.43		PASS
		1	24	22.34		PASS
		12	0	21.51		PASS
		12	6	21.54		PASS
		12	13	21.49		PASS
		25	0	21.50		PASS
	MCH	1	0	22.59		PASS
		1	12	22.64		PASS
		1	24	22.35		PASS
		12	0	21.57		PASS
		12	6	21.53		PASS
		12	13	21.63		PASS
		25	0	21.48		PASS
16QAM	LCH	1	0	22.36		PASS
		1	12	22.29		PASS
		1	24	22.00		PASS
		12	0	21.48		PASS
		12	6	21.41		PASS
		12	13	21.26		PASS
		25	0	21.35		PASS
	MCH	1	0	21.78		PASS
		1	12	21.90		PASS
		1	24	21.73		PASS
		12	0	20.73		PASS
		12	6	20.69		PASS
		12	13	20.70		PASS
		25	0	20.56		PASS
	HCH	1	0	21.55		PASS
		1	12	21.65		PASS
		1	24	21.42		PASS
		12	0	20.66		PASS
		12	6	20.70		PASS
		12	13	20.66		PASS
		25	0	20.62		PASS
	HCH	1	0	21.61		PASS
		1	12	21.57		PASS

		1	24	21.16		PASS
		12	0	20.63		PASS
		12	6	20.52		PASS
		12	13	20.42		PASS
		25	0	20.52		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.47		PASS
		1	24	22.51		PASS
		1	49	22.19		PASS
		25	0	21.48		PASS
		25	12	21.57		PASS
		25	25	21.56		PASS
		50	0	21.45		PASS
	MCH	1	0	22.44		PASS
		1	24	22.51		PASS
		1	49	22.10		PASS
		25	0	21.48		PASS
		25	12	21.58		PASS
		25	25	21.45		PASS
		50	0	21.48		PASS
16QAM	LCH	1	0	22.62		PASS
		1	24	22.46		PASS
		1	49	22.02		PASS
		25	0	21.55		PASS
		25	12	21.54		PASS
		25	25	21.42		PASS
		50	0	21.45		PASS
	MCH	1	0	21.80		PASS
		1	24	21.88		PASS
		1	49	21.62		PASS
		25	0	20.58		PASS
		25	12	20.61		PASS
		25	25	20.66		PASS
		50	0	20.47		PASS

HCH	1	0	21.99		PASS
	1	24	21.95		PASS
	1	49	21.41		PASS
	25	0	20.63		PASS
	25	12	20.64		PASS
	25	25	20.55		PASS
	50	0	20.61		PASS

## E.2: Peak-to-Average Ratio

Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	-1000	<13	PASS
		1	12	3.59	<13	PASS
		1	24	3.73	<13	PASS
		12	0	5.03	<13	PASS
		12	6	4.82	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.32	<13	PASS
	MCH	1	0	3.72	<13	PASS
		1	12	3.93	<13	PASS
		1	24	4.11	<13	PASS
		12	0	5.12	<13	PASS
		12	6	5.28	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.59	<13	PASS
16QAM	LCH	1	0	4.03	<13	PASS
		1	12	3.8	<13	PASS
		1	24	3.49	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.21	<13	PASS
		12	13	4.83	<13	PASS
		25	0	5.41	<13	PASS
	MCH	1	0	5.04	<13	PASS
		1	12	4.8	<13	PASS
		1	24	4.96	<13	PASS
		12	0	5.79	<13	PASS
		12	6	5.67	<13	PASS
		12	13	5.73	<13	PASS
		25	0	6.1	<13	PASS
	HCH	1	0	4.67	<13	PASS
		1	12	4.84	<13	PASS
		1	24	5.17	<13	PASS
		12	0	6	<13	PASS
		12	6	6.19	<13	PASS
		12	13	6.36	<13	PASS
		25	0	6.37	<13	PASS
	HCH	1	0	5.21	<13	PASS
		1	12	5.04	<13	PASS
		1	24	4.7	<13	PASS

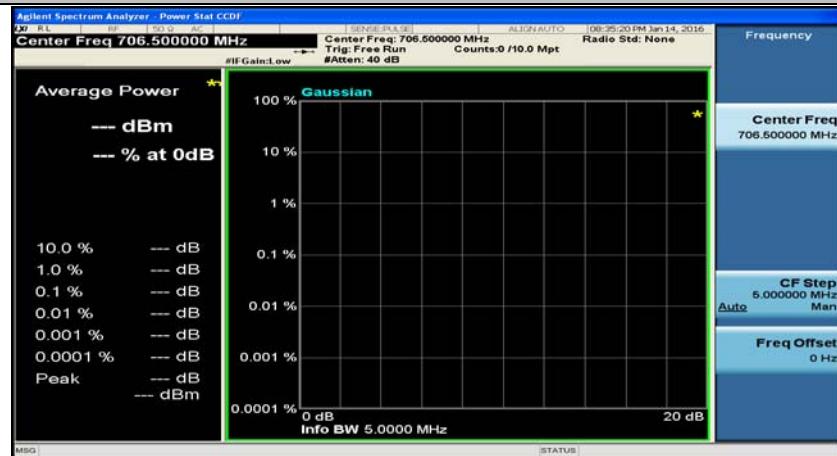
		12	0	6.31	<13	PASS
		12	6	6.05	<13	PASS
		12	13	5.65	<13	PASS
		25	0	6.19	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.79	<13	PASS
		1	24	3.83	<13	PASS
		1	49	3.83	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.3	<13	PASS
		25	25	5.46	<13	PASS
		50	0	5.57	<13	PASS
	MCH	1	0	3.7	<13	PASS
		1	24	3.88	<13	PASS
		1	49	3.51	<13	PASS
		25	0	5.2	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.55	<13	PASS
16QAM	LCH	1	0	3.63	<13	PASS
		1	24	3.96	<13	PASS
		1	49	3.38	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.5	<13	PASS
		25	25	5.26	<13	PASS
		50	0	5.5	<13	PASS
	MCH	1	0	4.94	<13	PASS
		1	24	4.92	<13	PASS
		1	49	4.99	<13	PASS
		25	0	5.99	<13	PASS
		25	12	6.09	<13	PASS
		25	25	6.31	<13	PASS
		50	0	6.26	<13	PASS

HCH	1	0	4.73	<13	PASS
	1	24	5.22	<13	PASS
	1	49	4.52	<13	PASS
	25	0	6.08	<13	PASS
	25	12	6.28	<13	PASS
	25	25	6.1	<13	PASS
	50	0	6.26	<13	PASS

## Test Graphs

(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

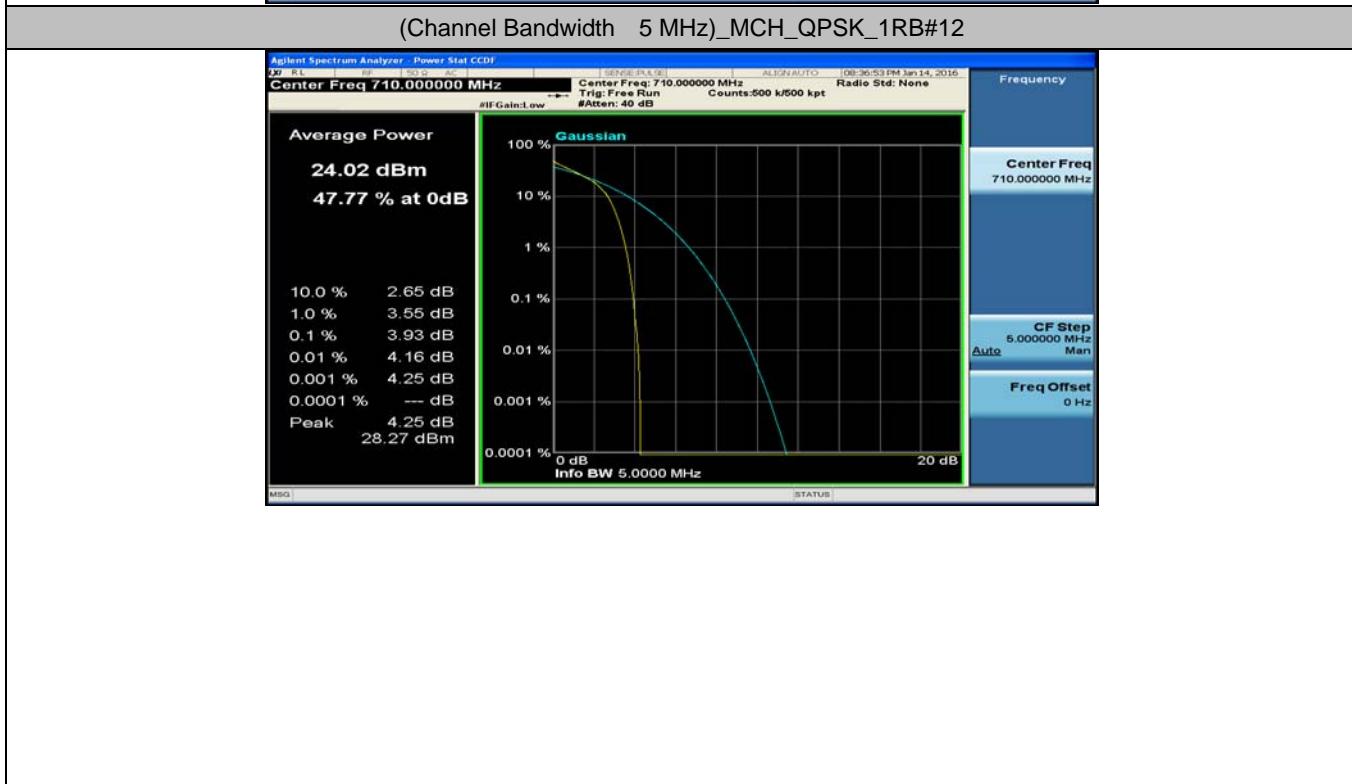
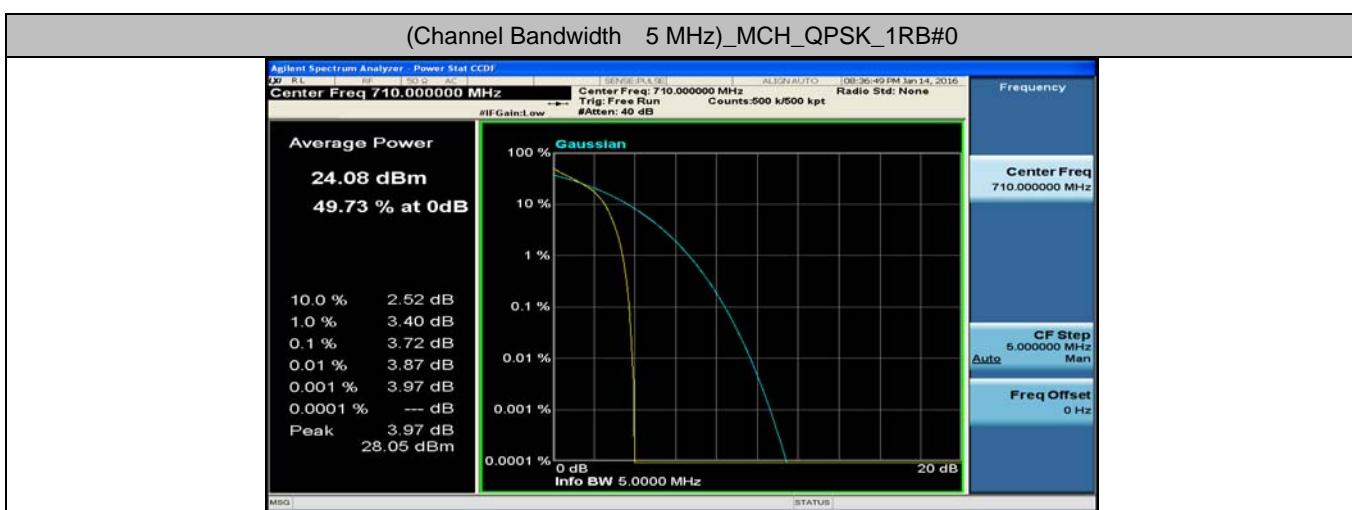
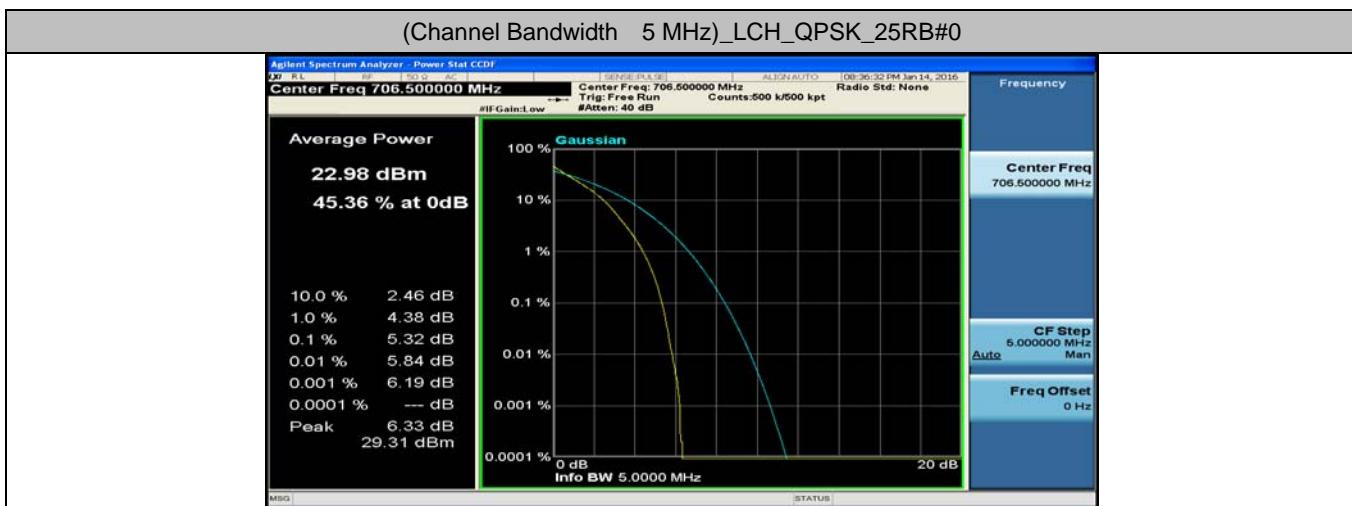


## (Channel Bandwidth 5 MHz)\_LCH\_QPSK\_12RB#6

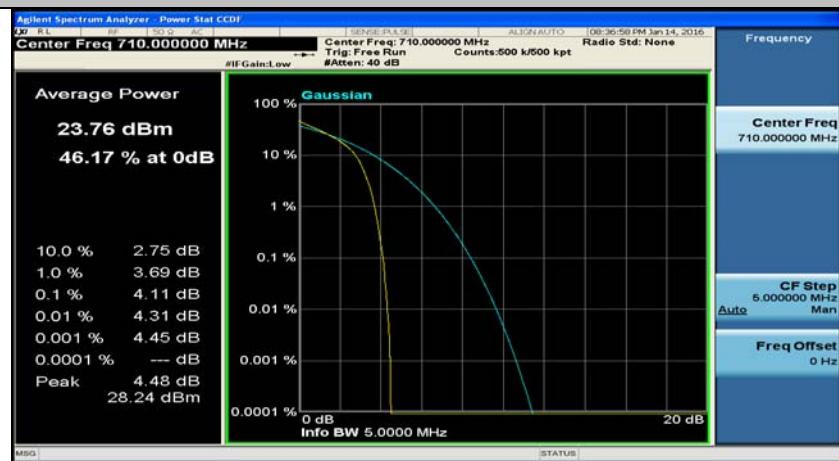


## (Channel Bandwidth 5 MHz)\_LCH\_QPSK\_12RB#13

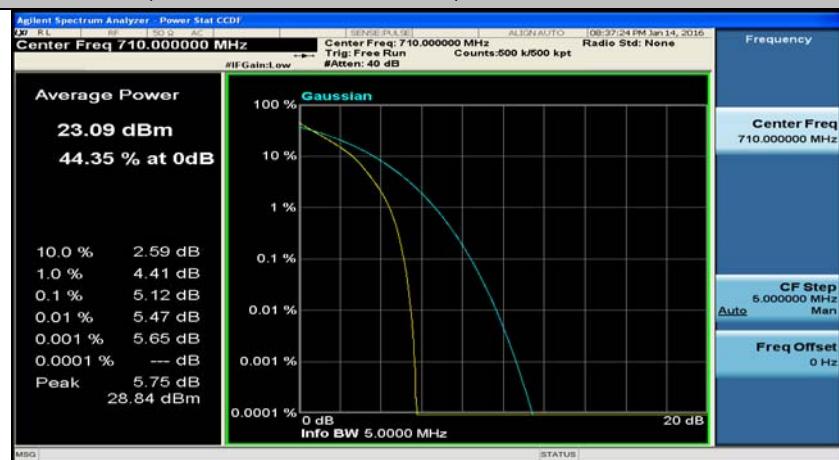




## (Channel Bandwidth 5 MHz)\_MCH\_QPSK\_1RB#24



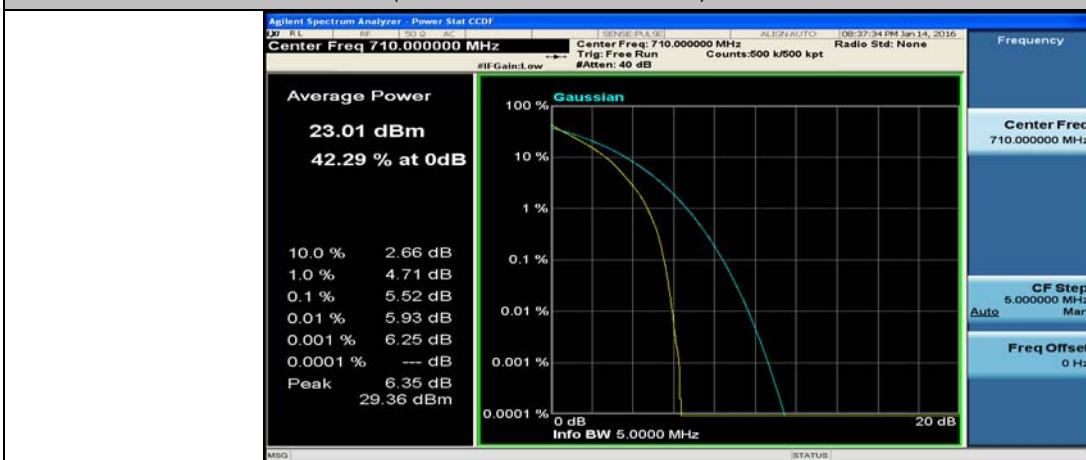
## (Channel Bandwidth 5 MHz)\_MCH\_QPSK\_12RB#0



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



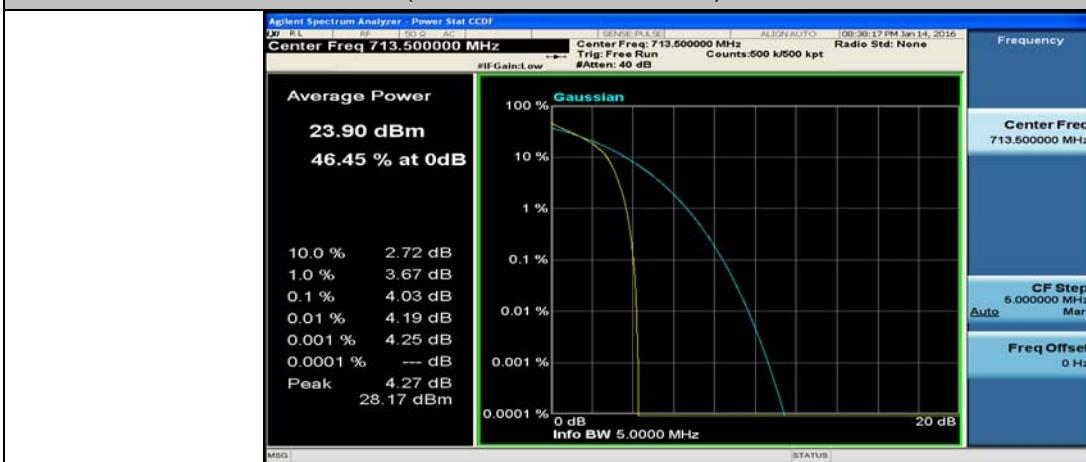
## (Channel Bandwidth 5 MHz)\_MCH\_QPSK\_12RB#13



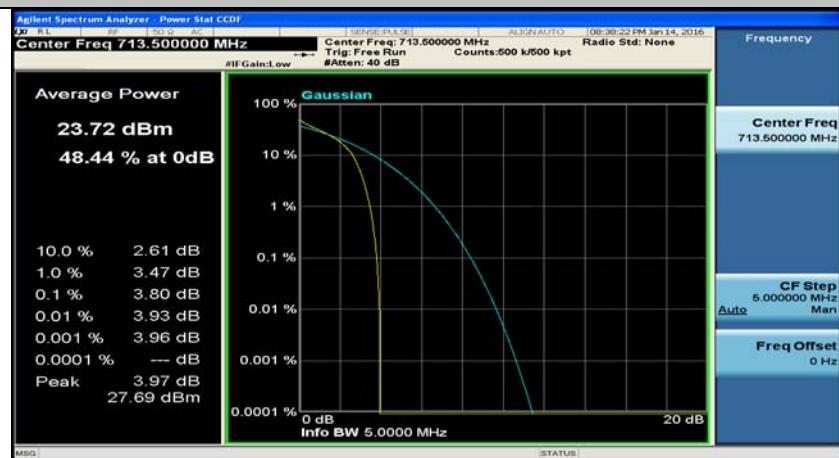
## (Channel Bandwidth 5 MHz)\_MCH\_QPSK\_25RB#0



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



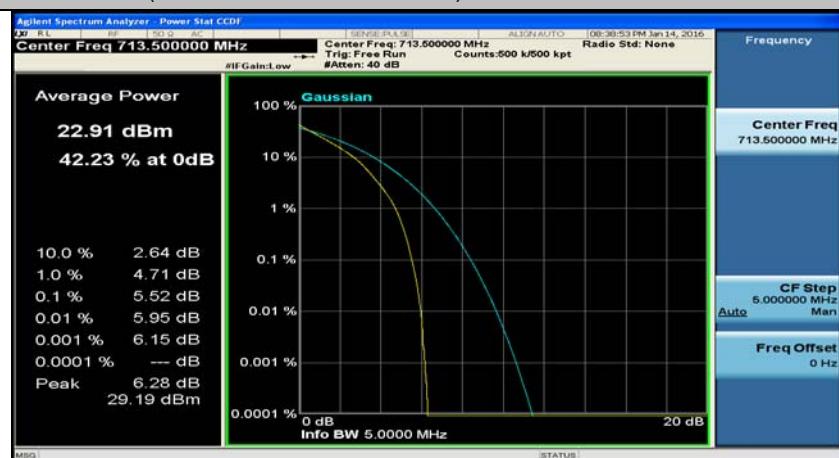
## (Channel Bandwidth 5 MHz)\_HCH\_QPSK\_1RB#12



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



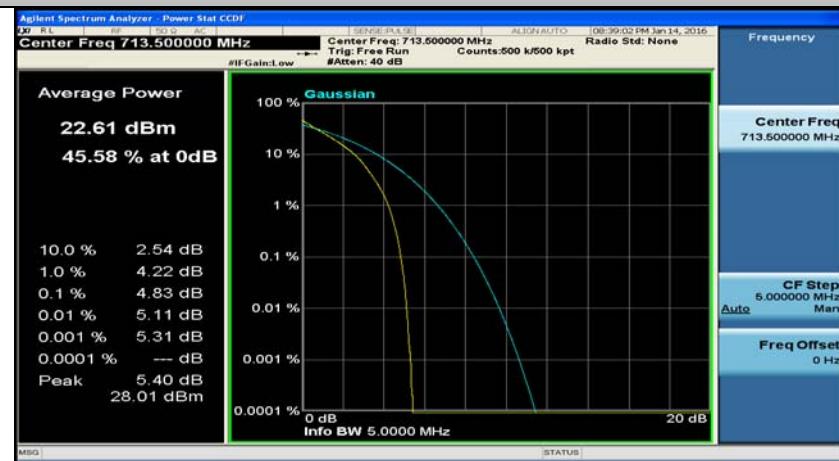
## (Channel Bandwidth 5 MHz)\_HCH\_QPSK\_12RB#0



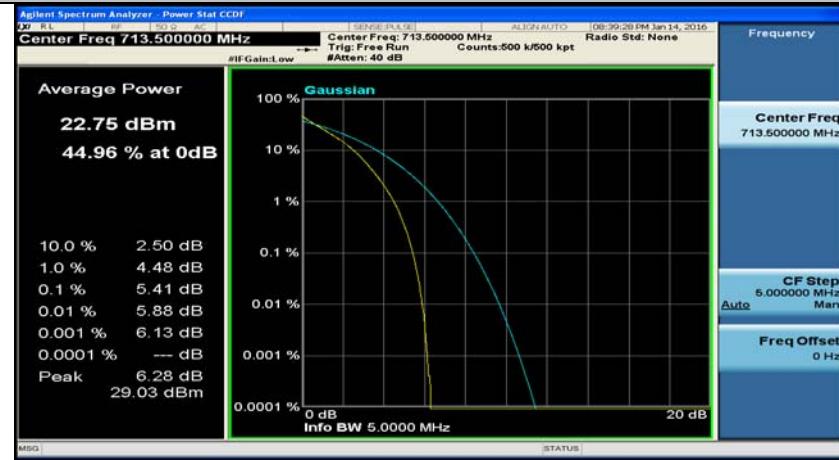
## (Channel Bandwidth 5 MHz)\_HCH\_QPSK\_12RB#6



## (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

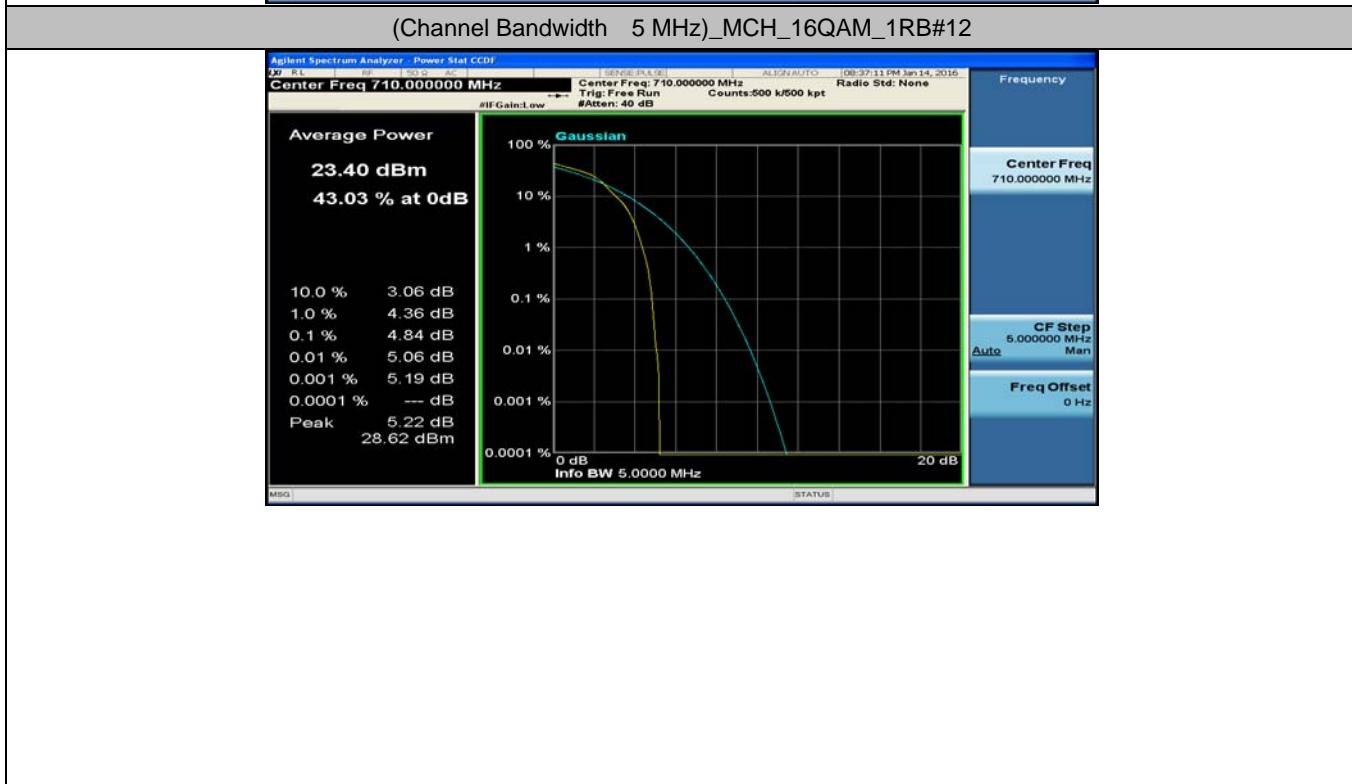
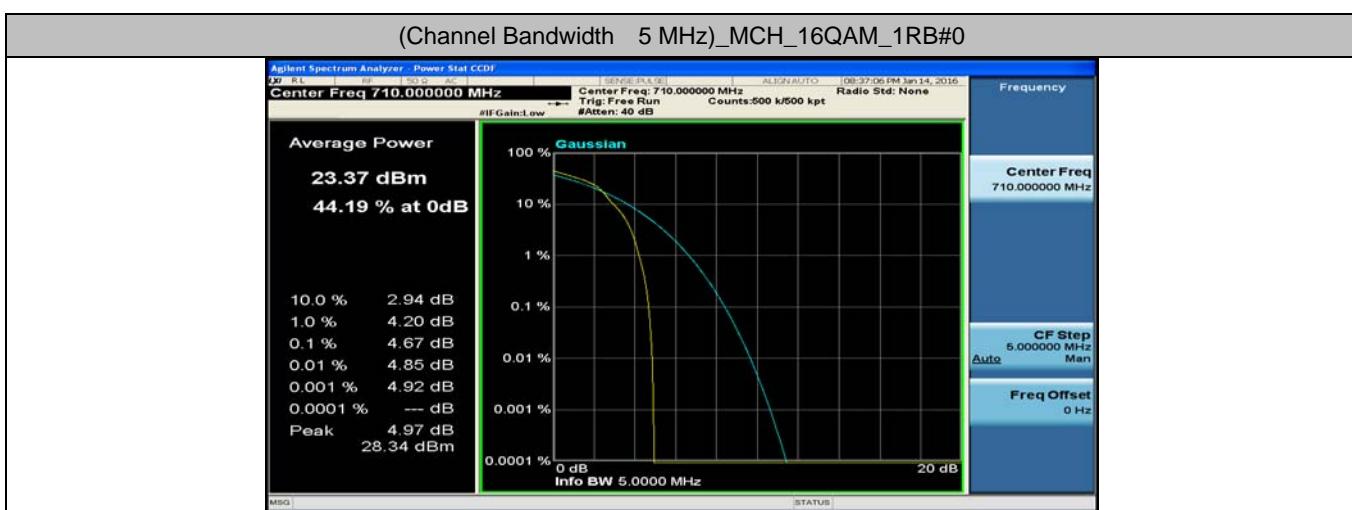
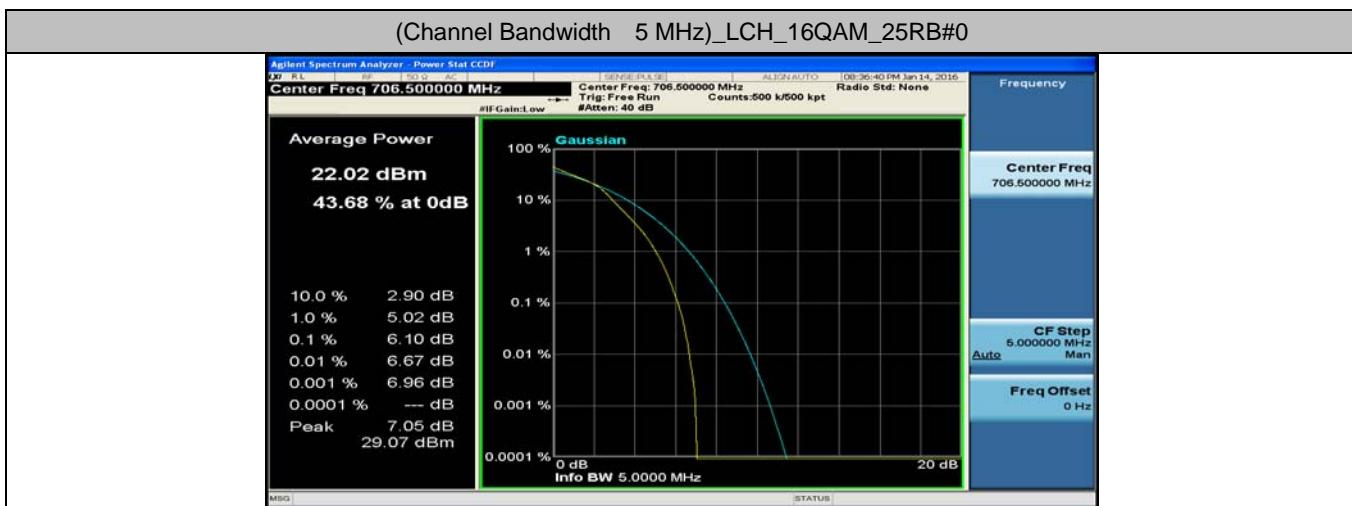


## (Channel Bandwidth 5 MHz)\_LCH\_16QAM\_12RB#6

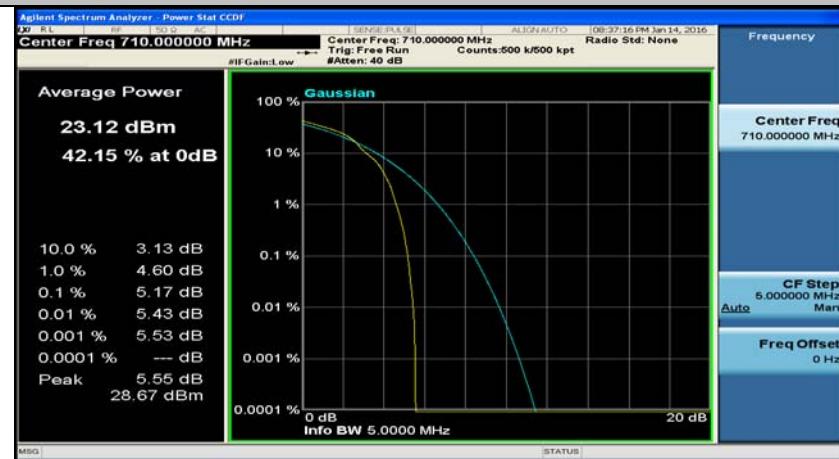


## (Channel Bandwidth 5 MHz)\_LCH\_16QAM\_12RB#13





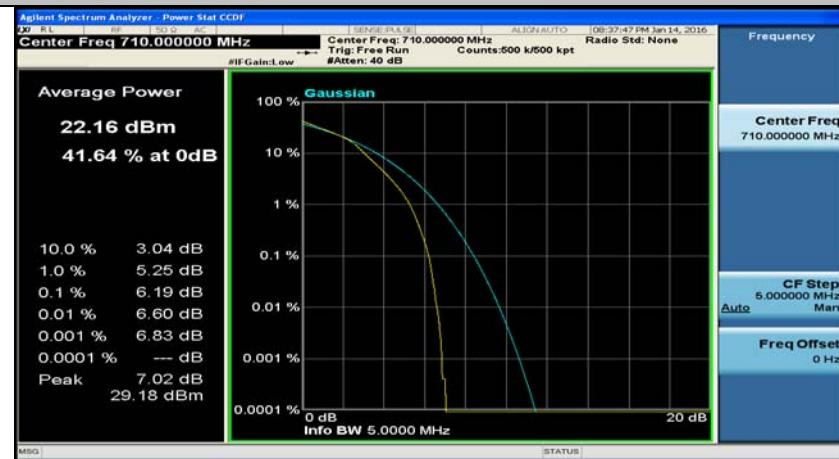
## (Channel Bandwidth 5 MHz)\_MCH\_16QAM\_1RB#24

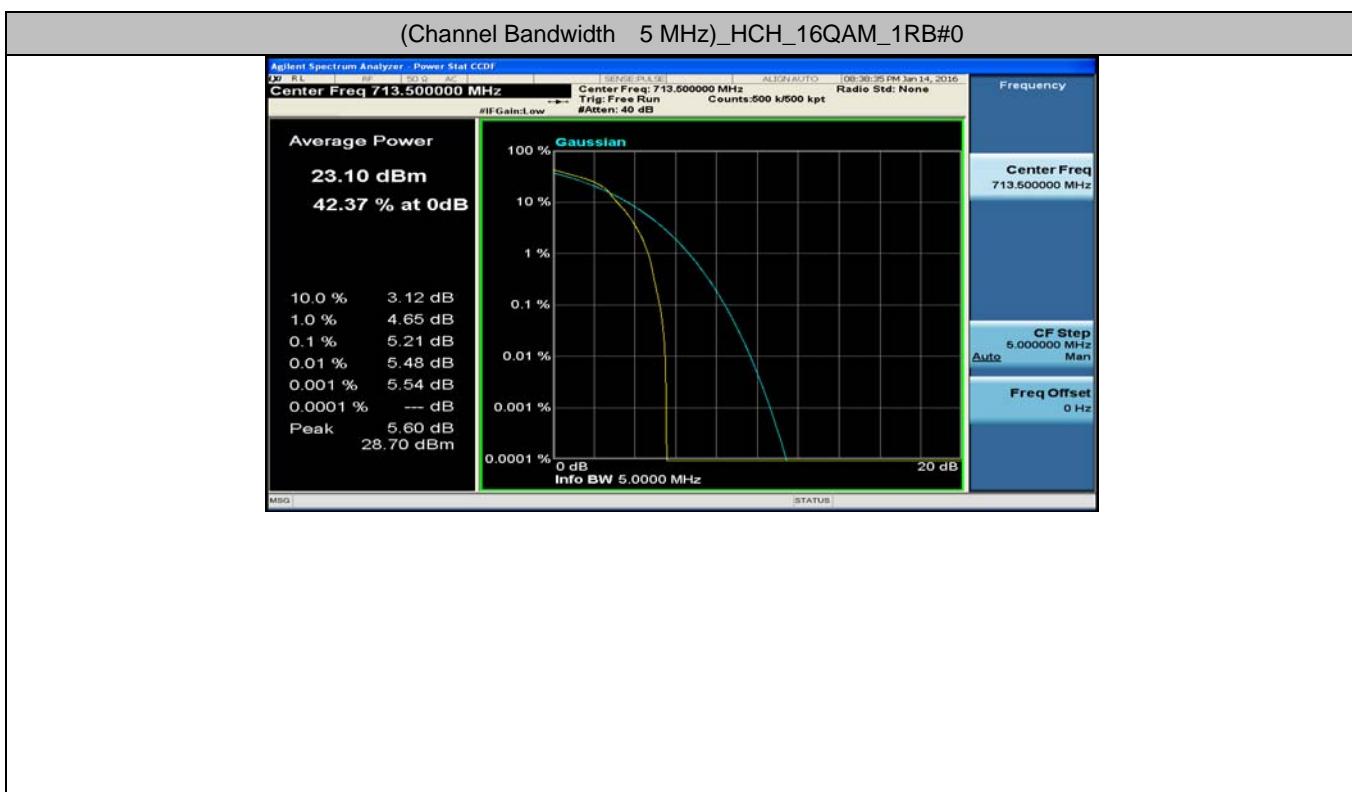
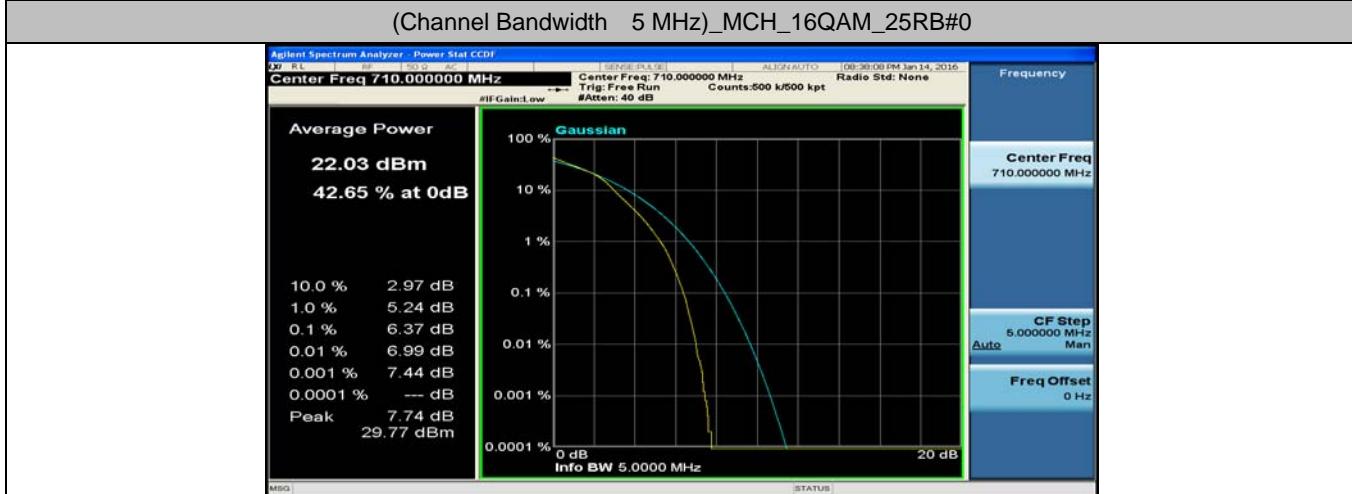
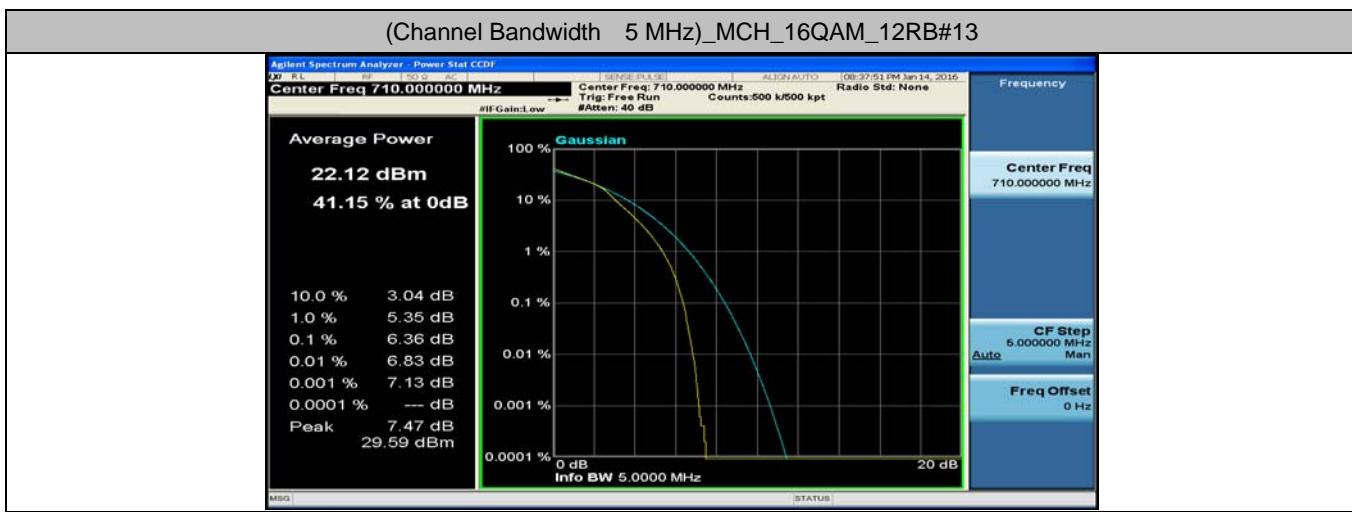


## (Channel Bandwidth 5 MHz)\_MCH\_16QAM\_12RB#0

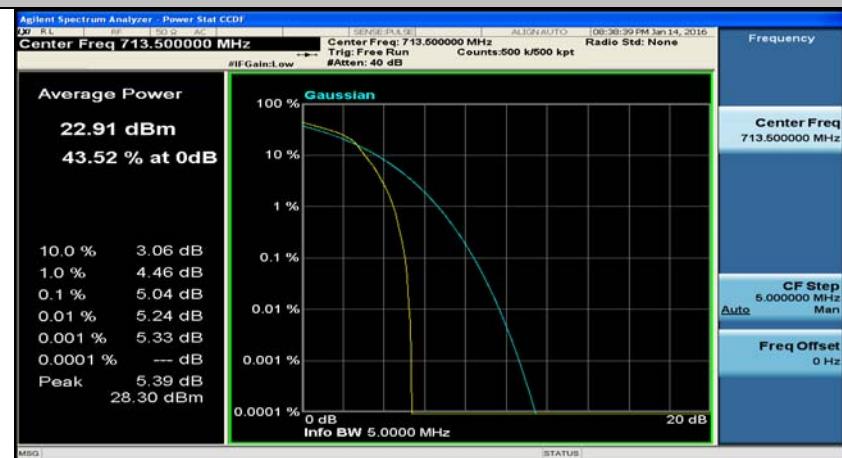


## (Channel Bandwidth 5 MHz)\_MCH\_16QAM\_12RB#6

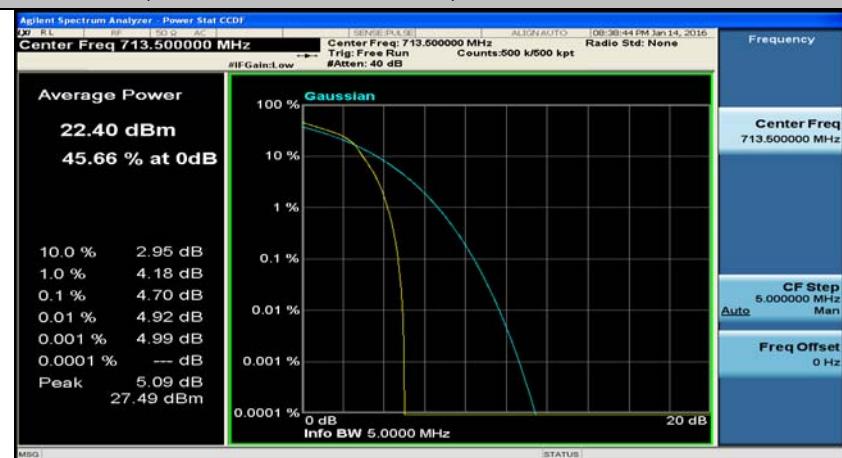




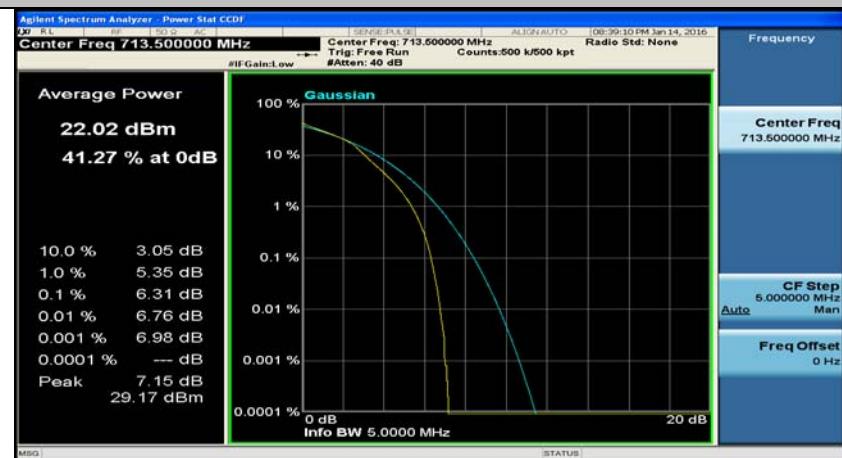
## (Channel Bandwidth 5 MHz)\_HCH\_16QAM\_1RB#12



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



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



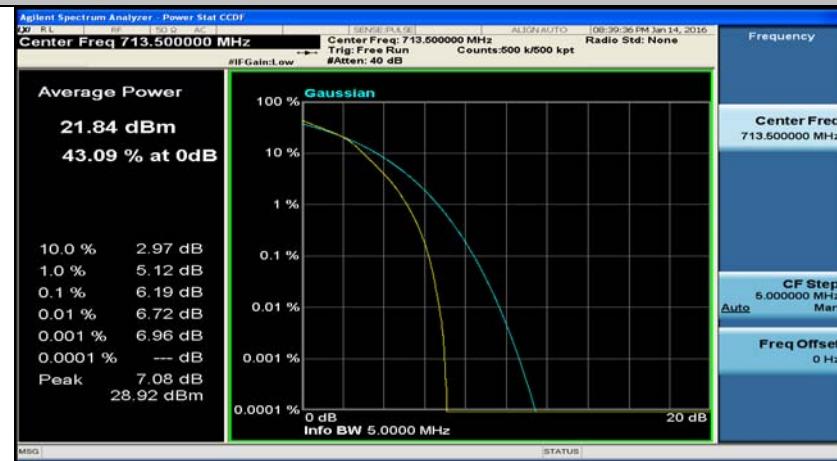
## (Channel Bandwidth 5 MHz)\_HCH\_16QAM\_12RB#6



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



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



## Channel Bandwidth 10 MHz\_LCH\_QPSK\_1RB#0



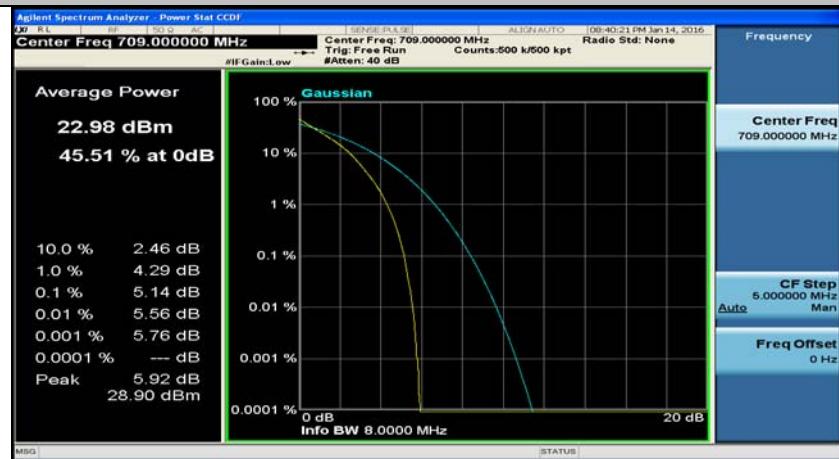
## Channel Bandwidth 10 MHz\_LCH\_QPSK\_1RB#24



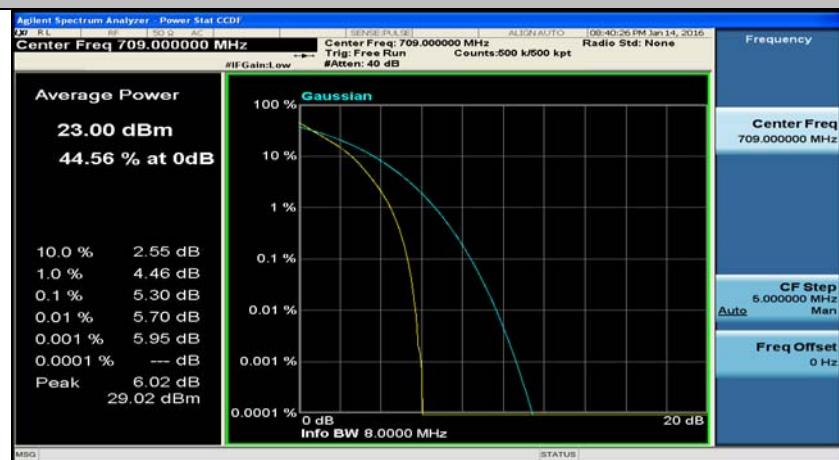
## Channel Bandwidth 10 MHz\_LCH\_QPSK\_1RB#49



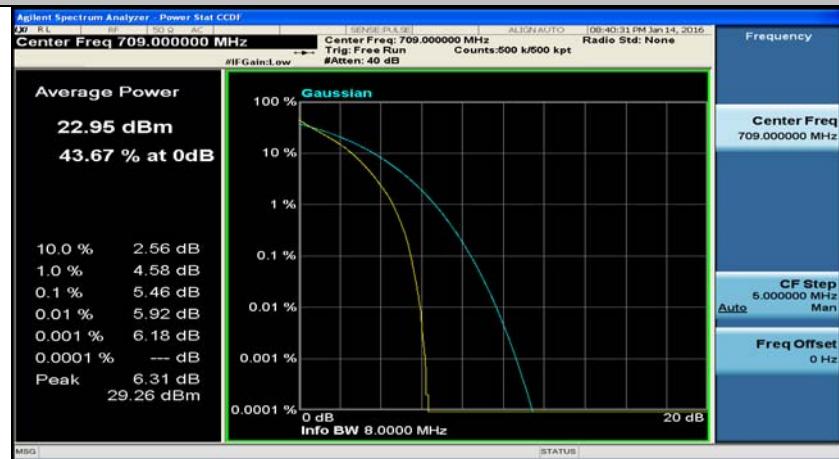
## Channel Bandwidth 10 MHz\_LCH\_QPSK\_25RB#0

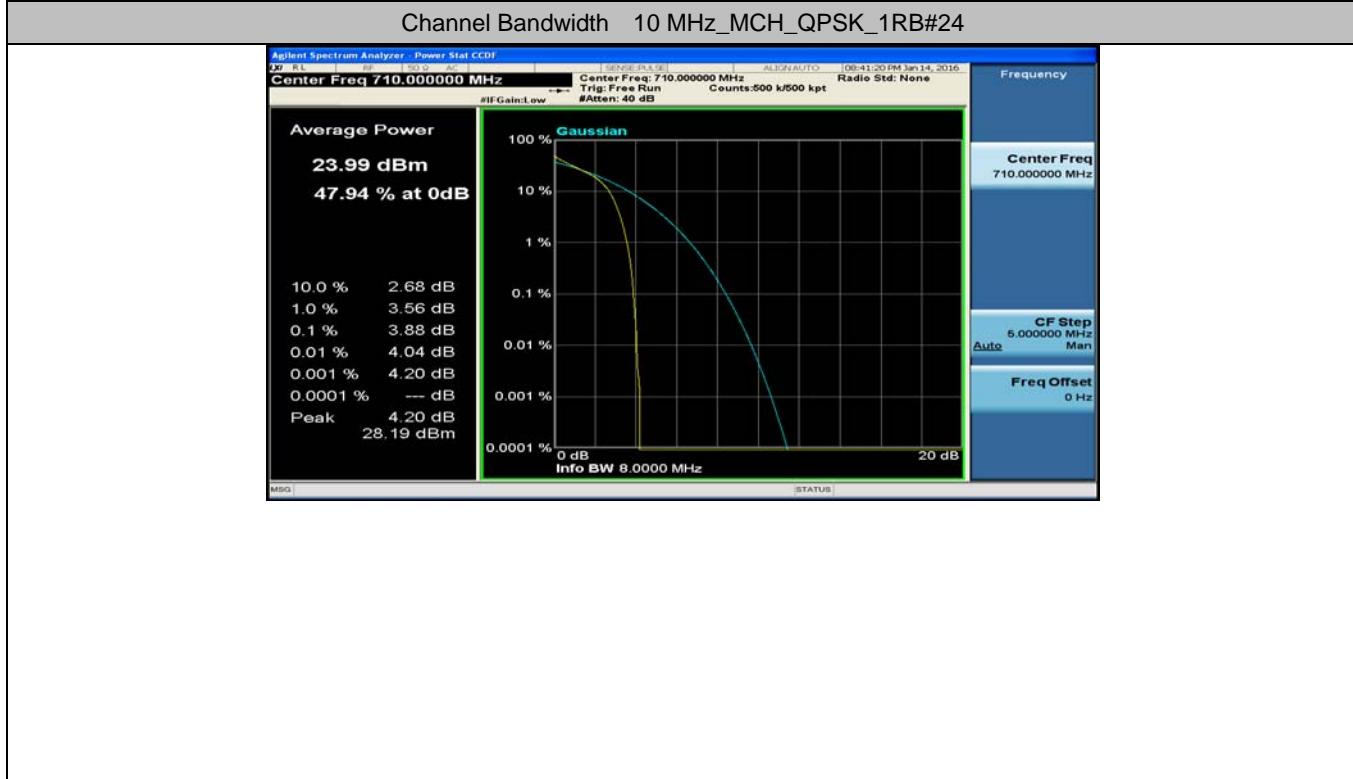
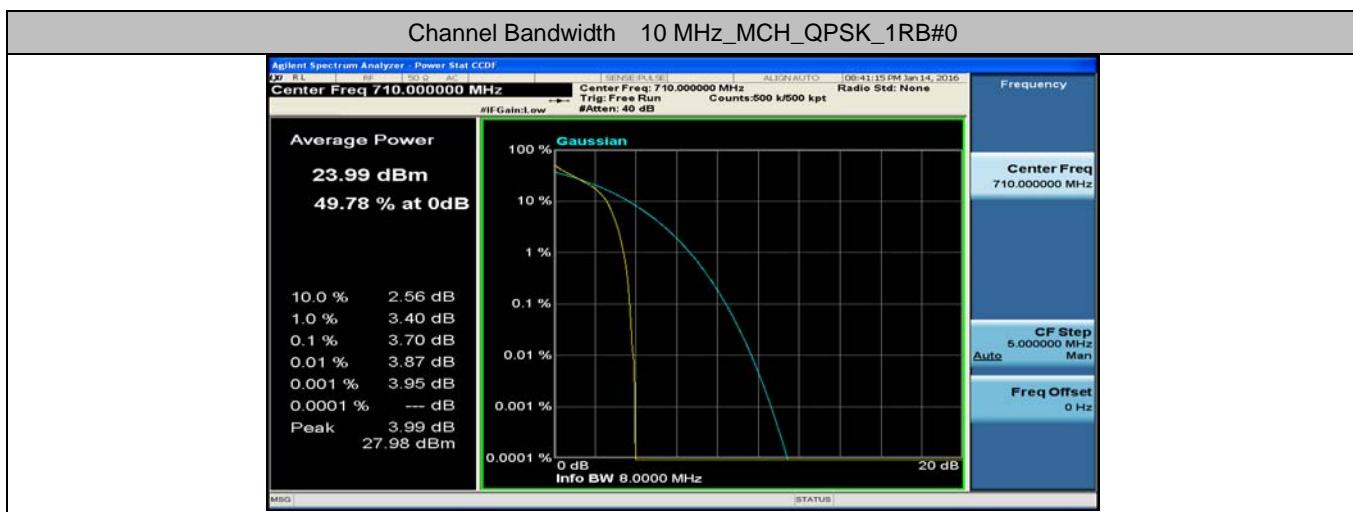
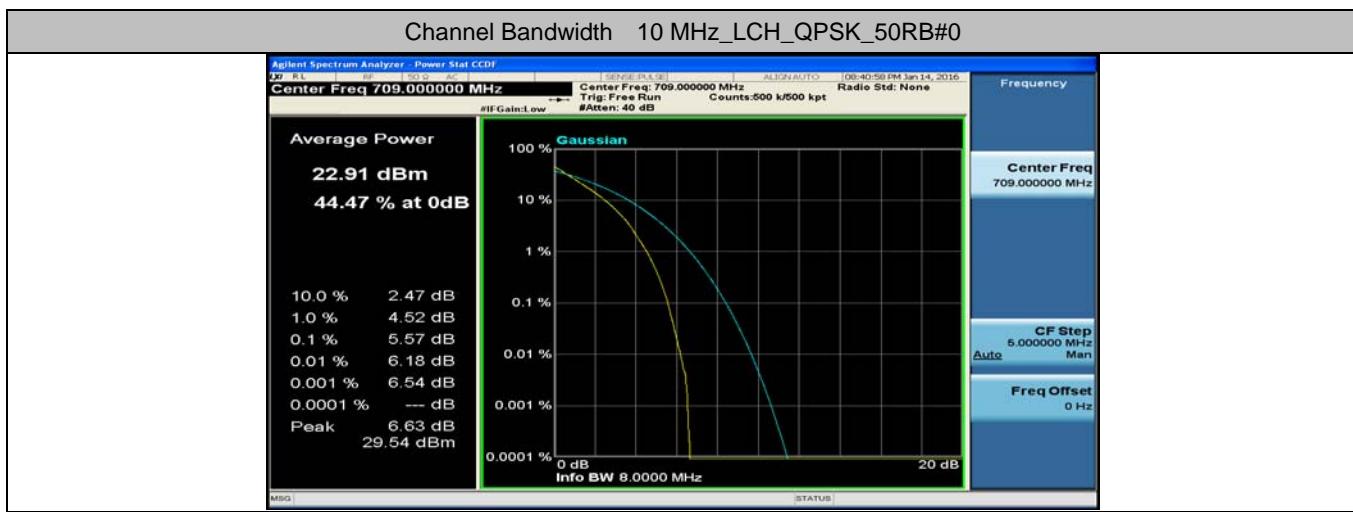


## Channel Bandwidth 10 MHz\_LCH\_QPSK\_25RB#12



## Channel Bandwidth 10 MHz\_LCH\_QPSK\_25RB#25





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



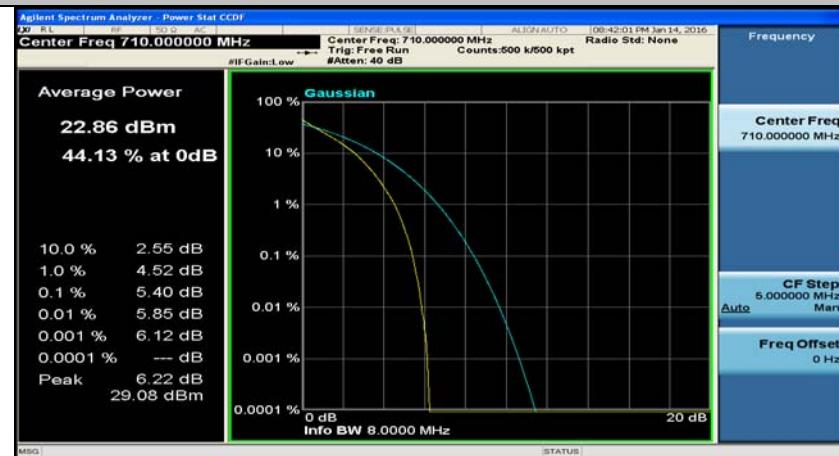
## Channel Bandwidth 10 MHz\_MCH\_QPSK\_25RB#0



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



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



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



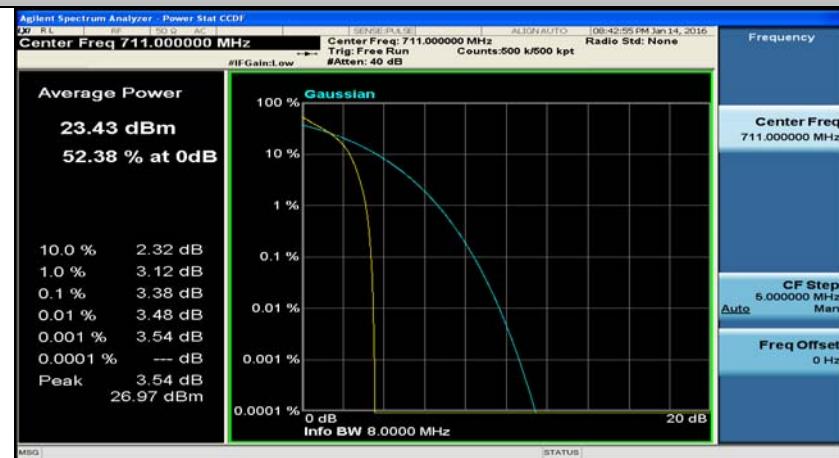
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_1RB#0



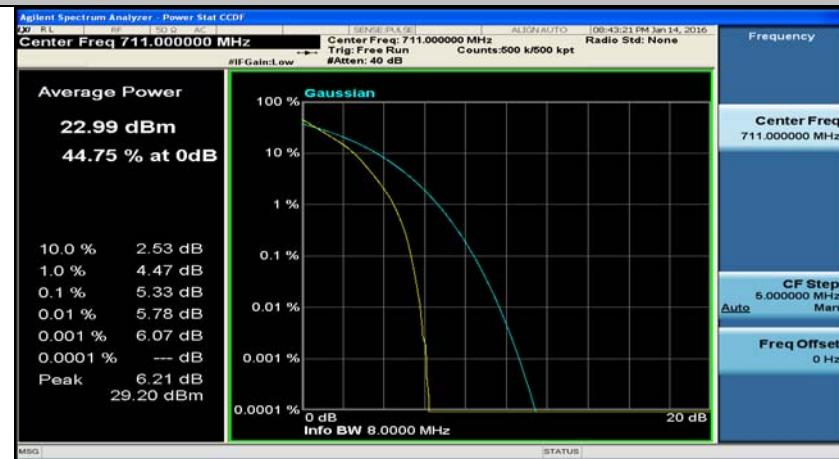
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_1RB#24



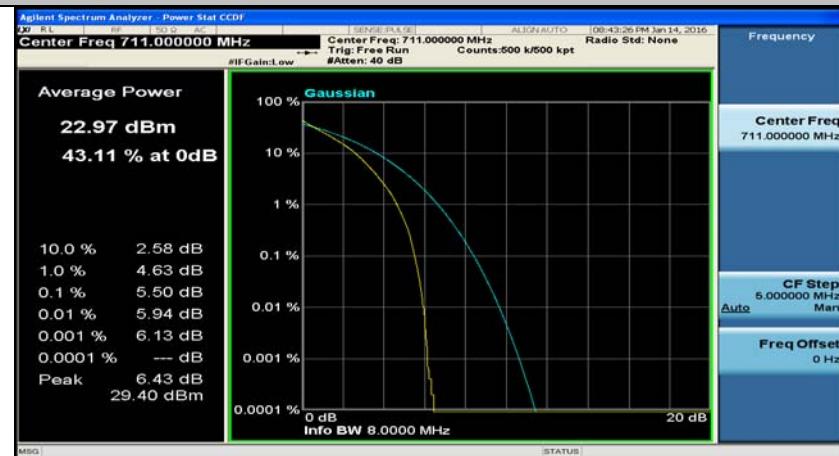
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_1RB#49



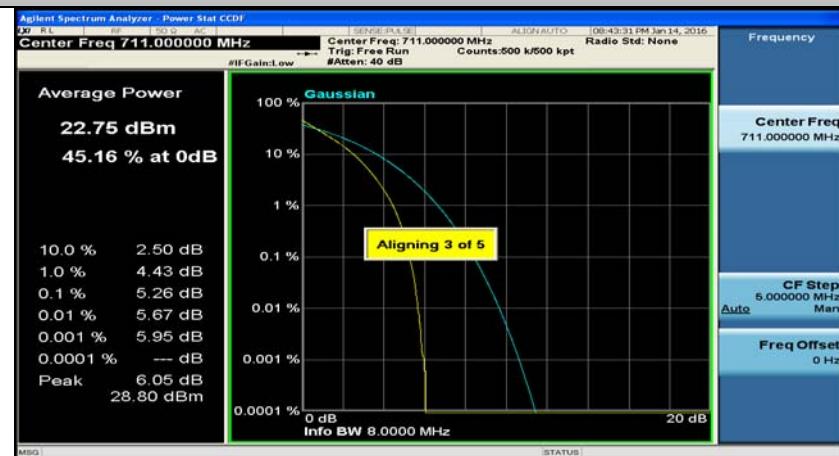
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_25RB#0



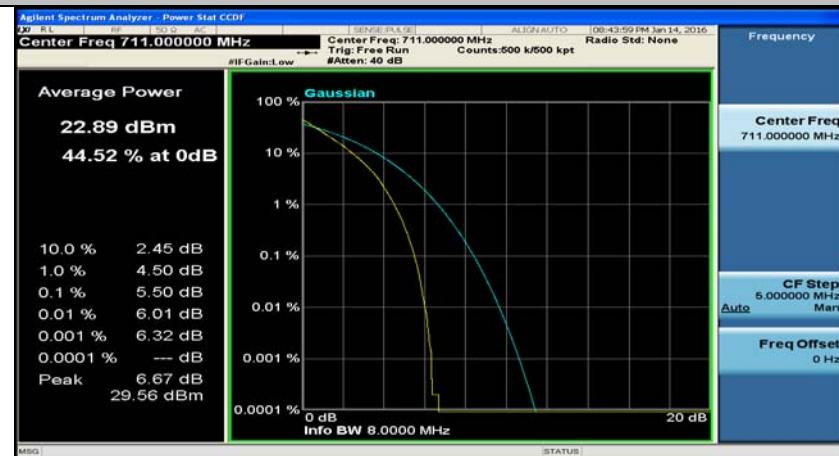
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_25RB#12



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



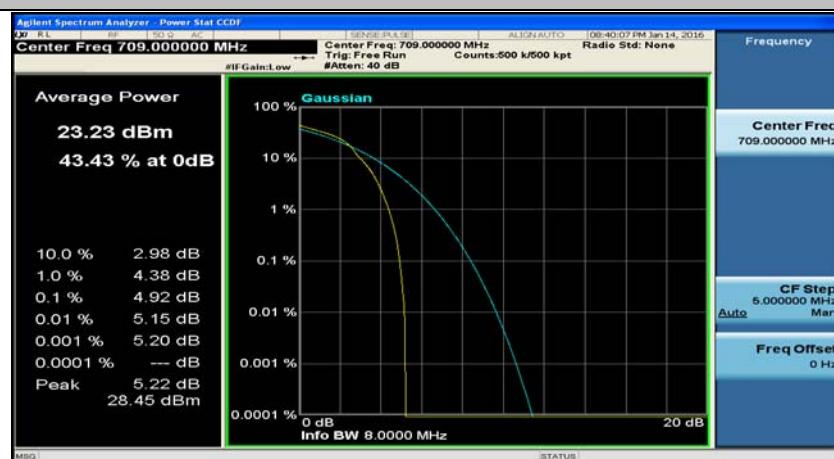
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_50RB#0



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



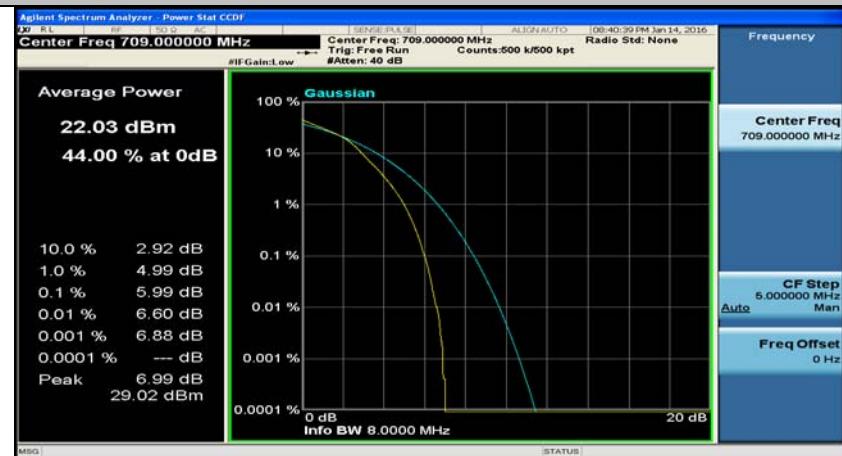
## Channel Bandwidth 10 MHz\_LCH\_16QAM\_1RB#24



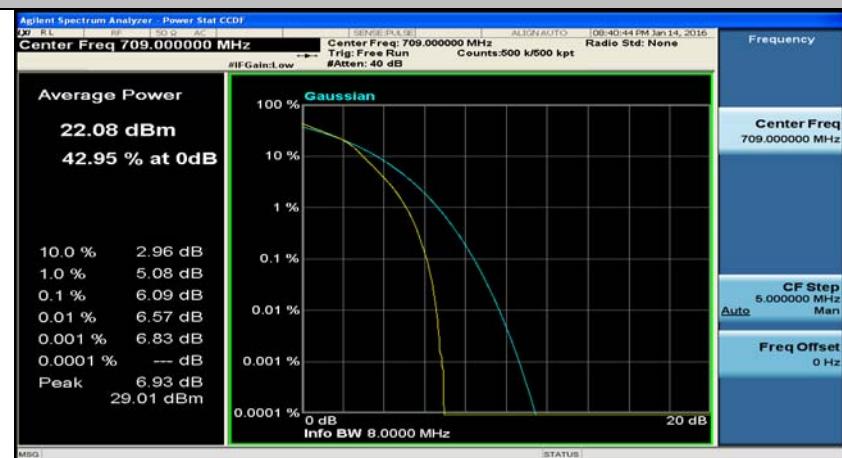
## Channel Bandwidth 10 MHz\_LCH\_16QAM\_1RB#49



## Channel Bandwidth 10 MHz\_LCH\_16QAM\_25RB#0

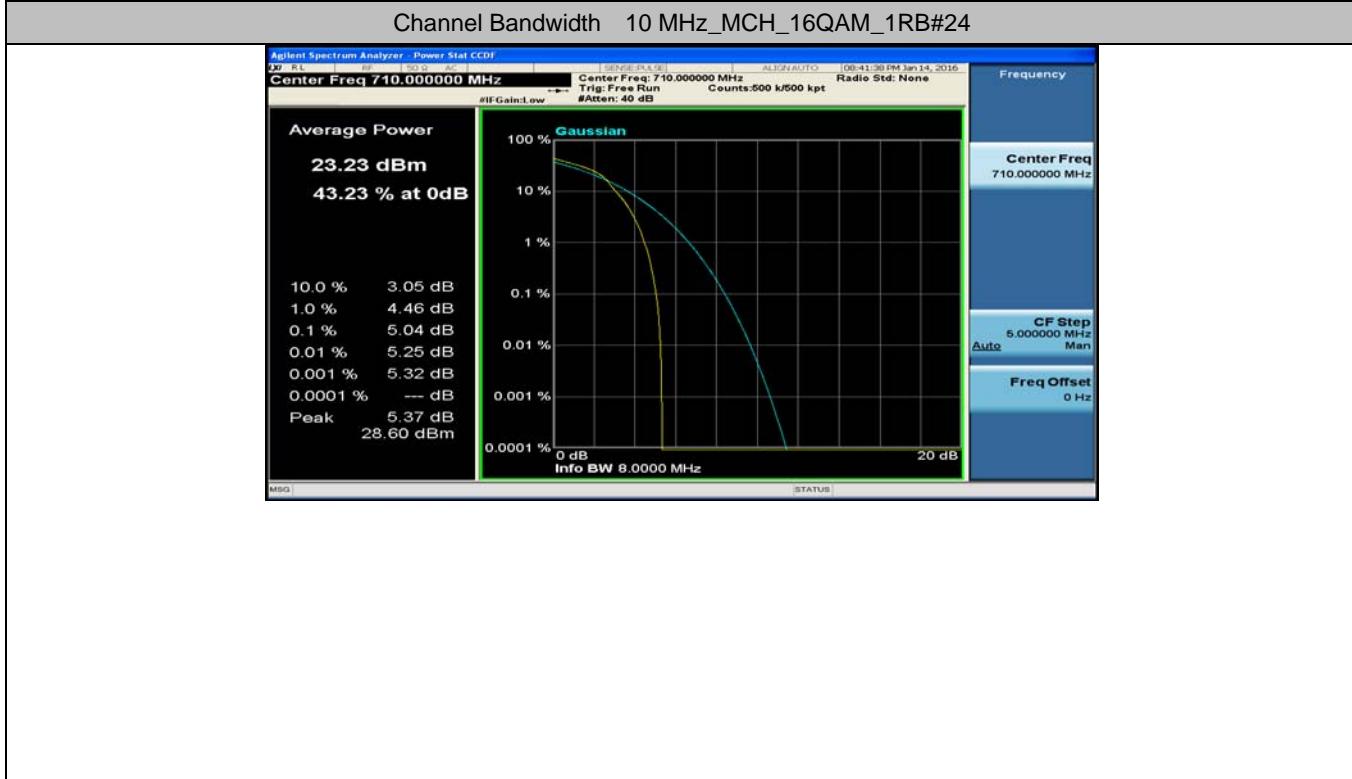
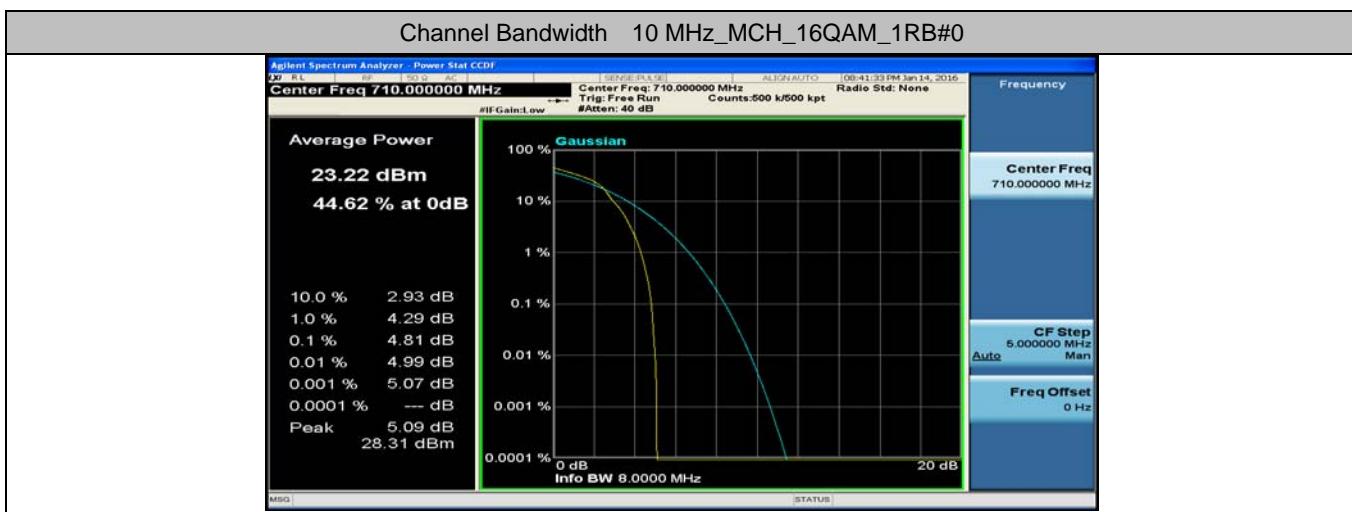
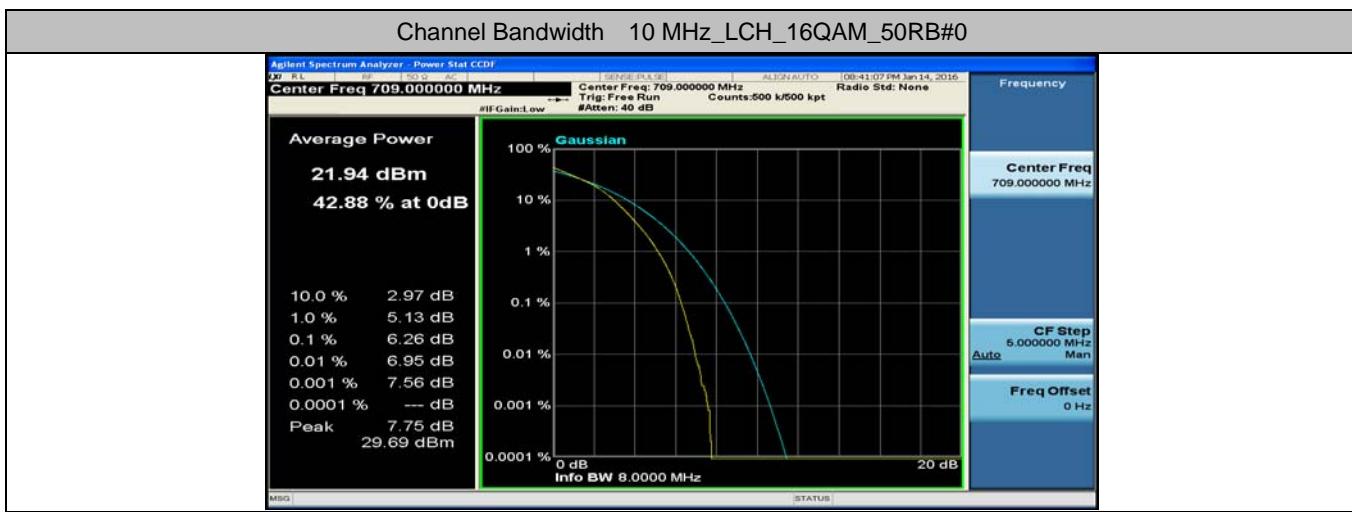


## Channel Bandwidth 10 MHz\_LCH\_16QAM\_25RB#12



## Channel Bandwidth 10 MHz\_LCH\_16QAM\_25RB#25

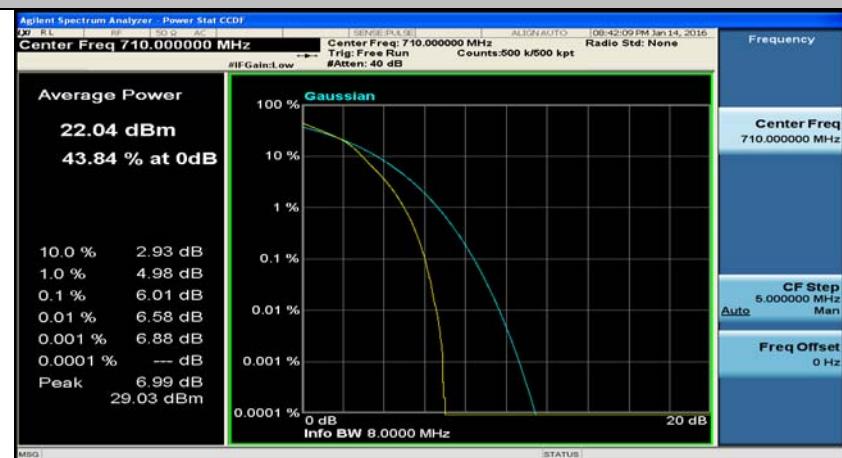




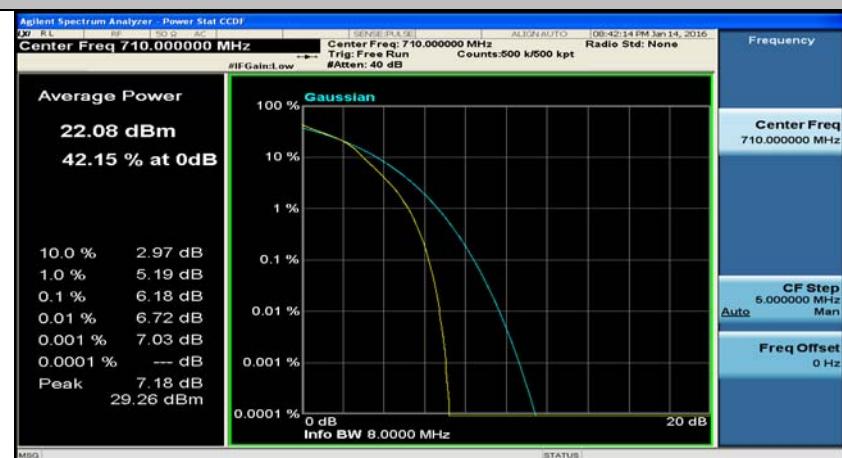
## Channel Bandwidth 10 MHz\_MCH\_16QAM\_1RB#49

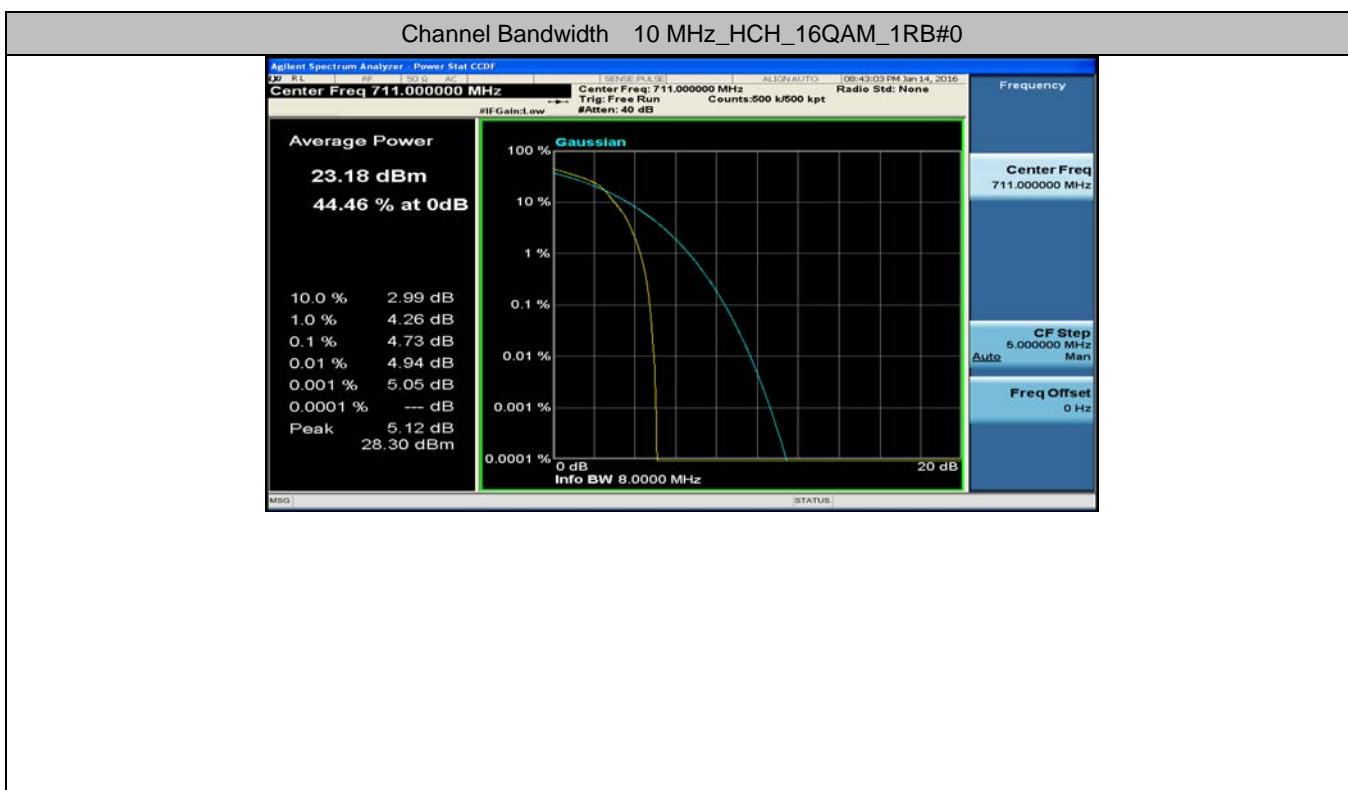
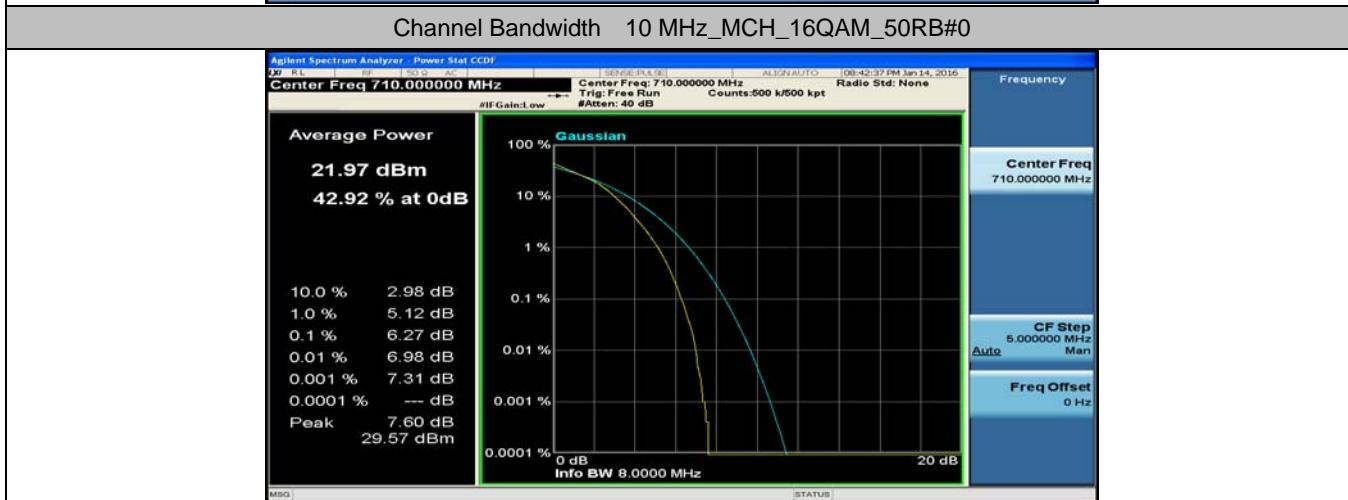
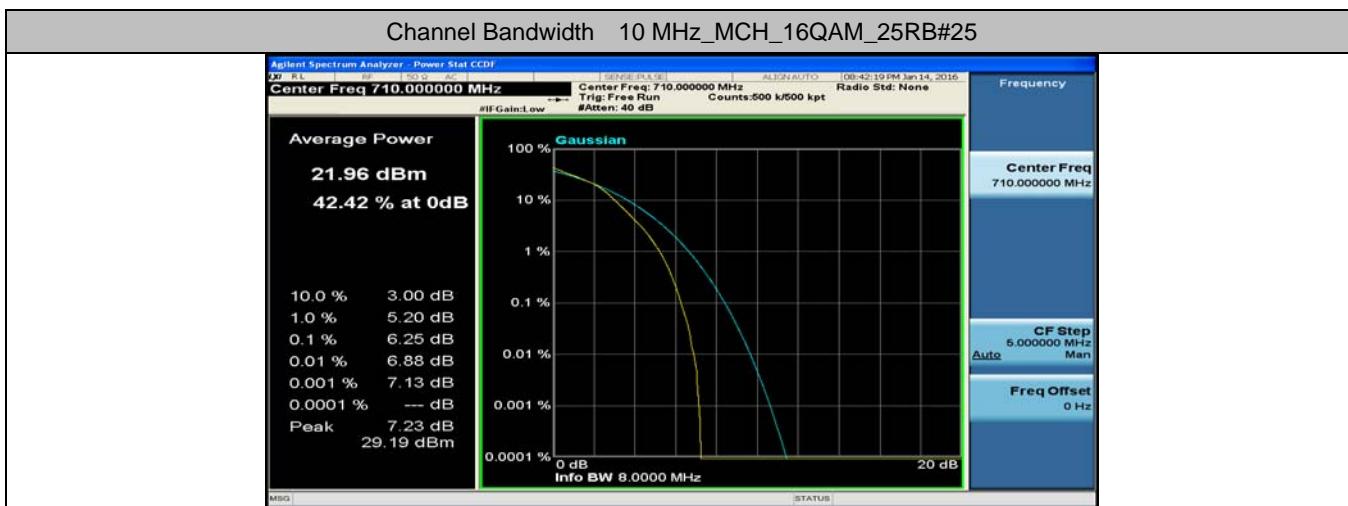


## Channel Bandwidth 10 MHz\_MCH\_16QAM\_25RB#0

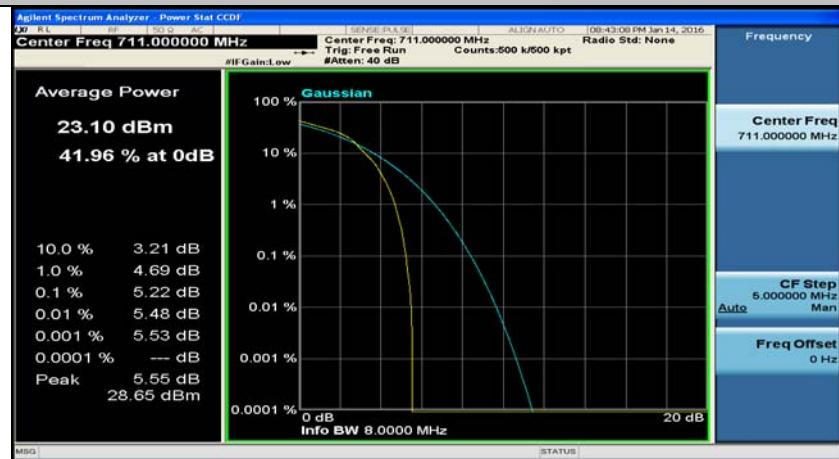


## Channel Bandwidth 10 MHz\_MCH\_16QAM\_25RB#12

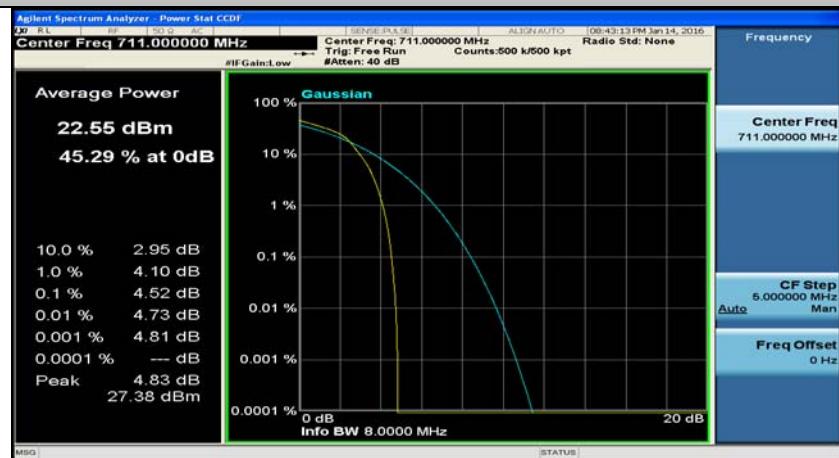




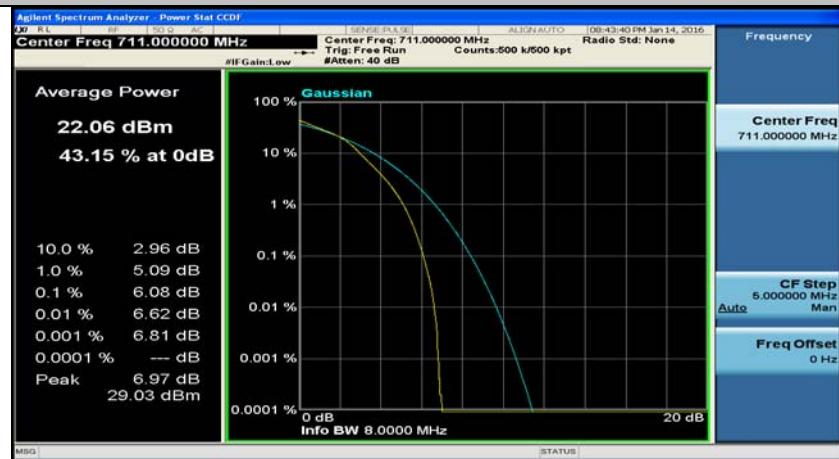
## Channel Bandwidth 10 MHz\_HCH\_16QAM\_1RB#24



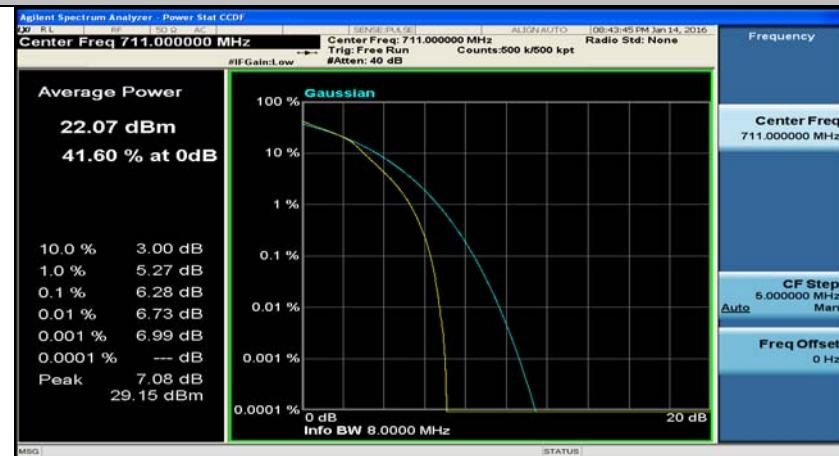
## Channel Bandwidth 10 MHz\_HCH\_16QAM\_1RB#49



## Channel Bandwidth 10 MHz\_HCH\_16QAM\_25RB#0



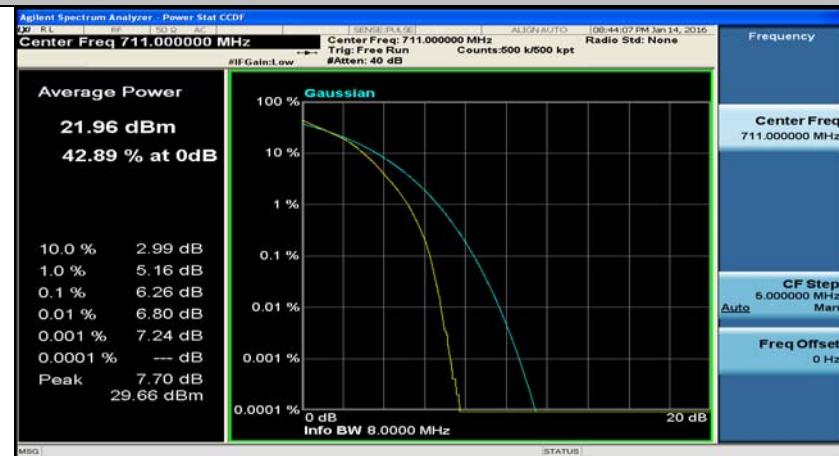
## Channel Bandwidth 10 MHz\_HCH\_16QAM\_25RB#12



## Channel Bandwidth 10 MHz\_HCH\_16QAM\_25RB#25



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

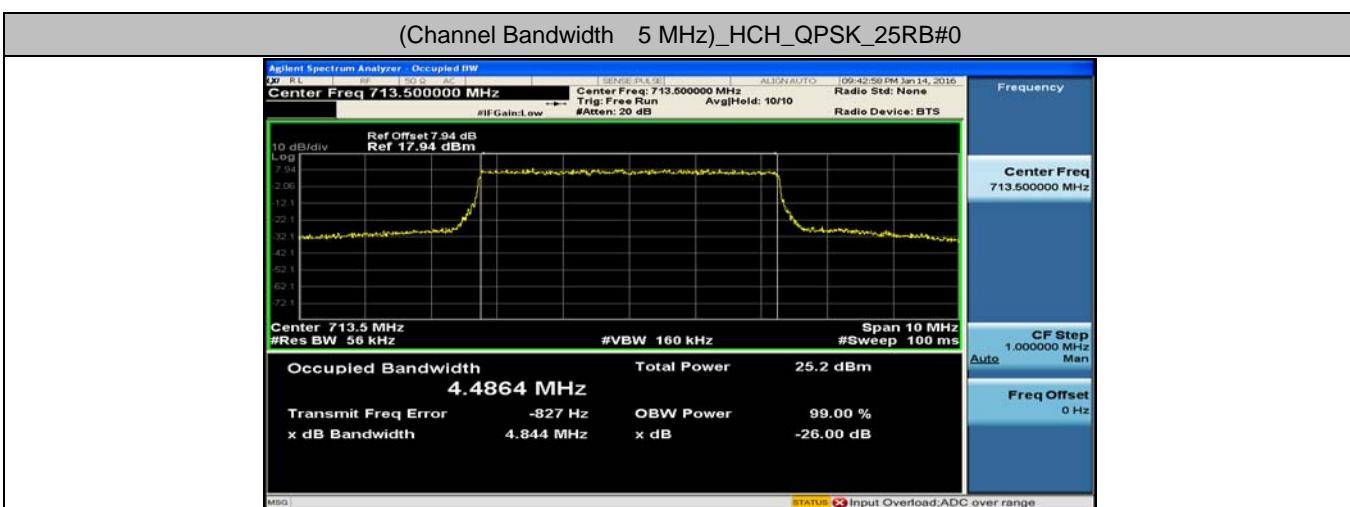
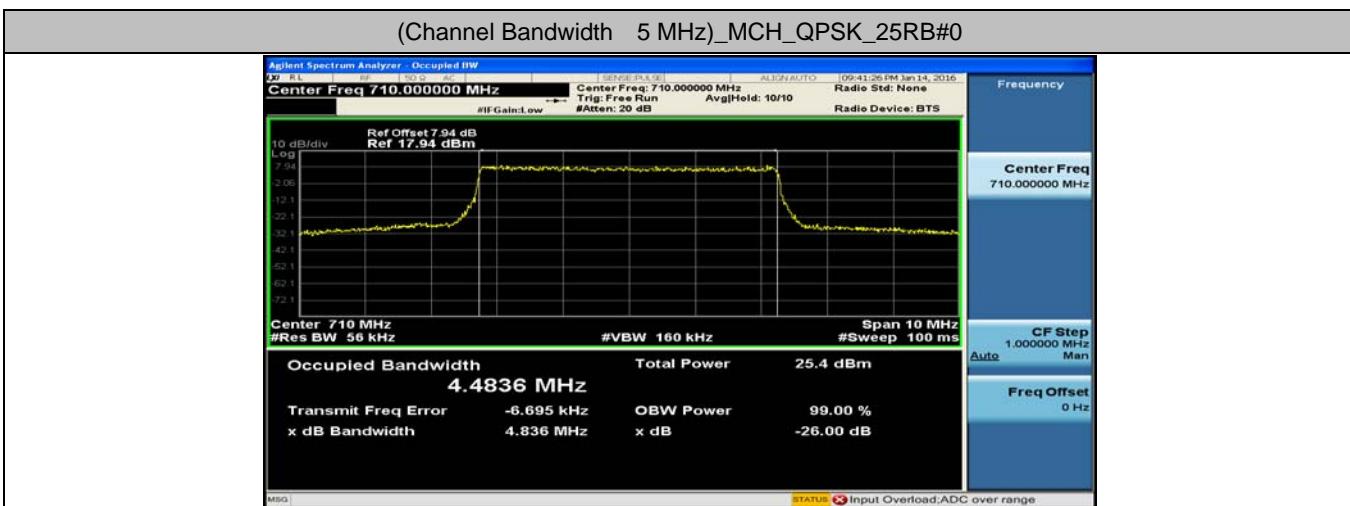
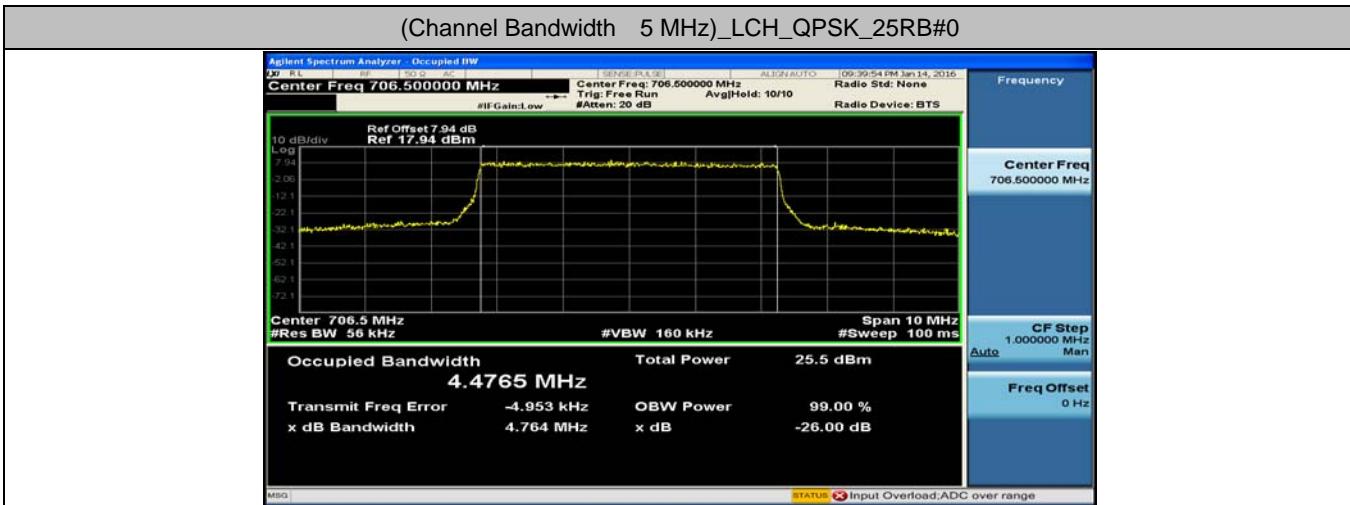


### E.3: 26dB Bandwidth and Occupied Bandwidth

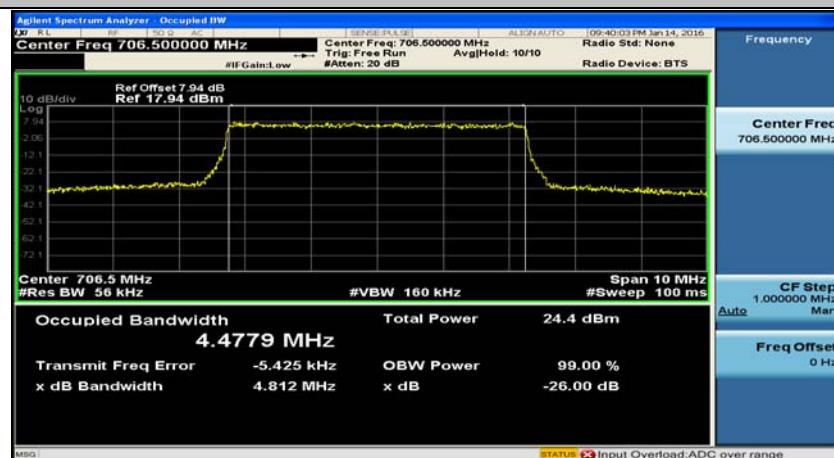
Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4765	4.764	PASS
	MCH	25	0	4.4836	4.836	PASS
	HCH	25	0	4.4864	4.844	PASS
16QAM	LCH	25	0	4.4779	4.812	PASS
	MCH	25	0	4.4898	4.797	PASS
	HCH	25	0	4.4762	4.798	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9544	9.478	PASS
	MCH	50	0	8.9500	9.482	PASS
	HCH	50	0	8.9449	9.430	PASS
16QAM	LCH	50	0	8.9473	9.373	PASS
	MCH	50	0	8.9515	9.448	PASS
	HCH	50	0	8.9498	9.449	PASS

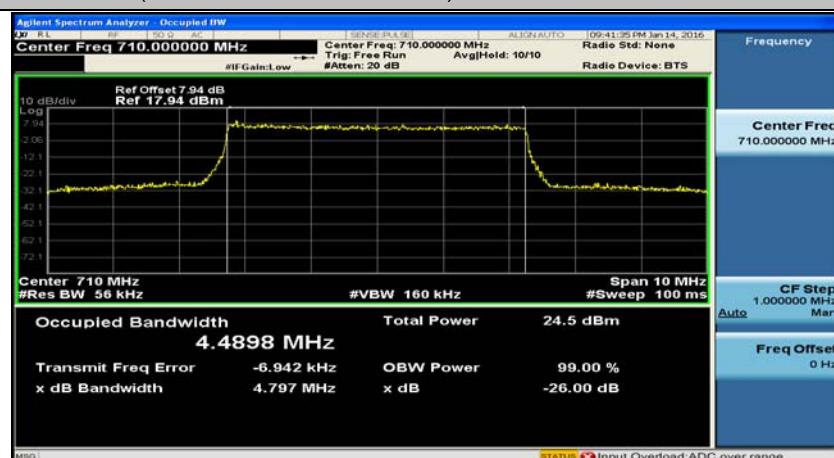
## Test Graphs



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



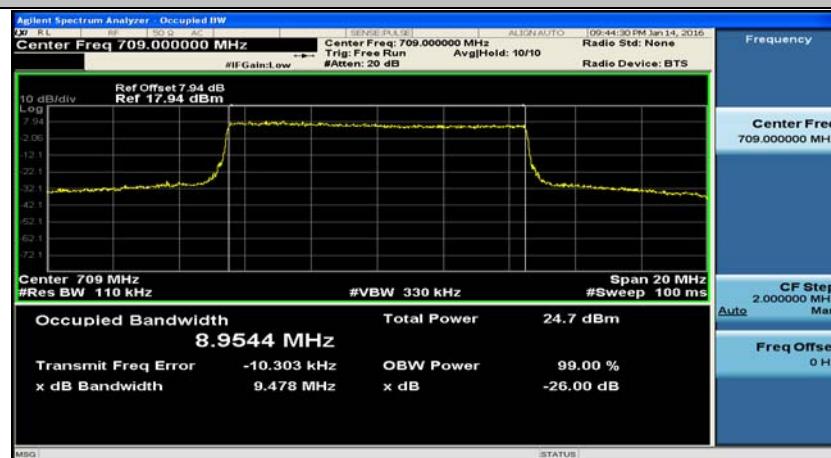
## (Channel Bandwidth 5 MHz)\_MCH\_16QAM\_25RB#0



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



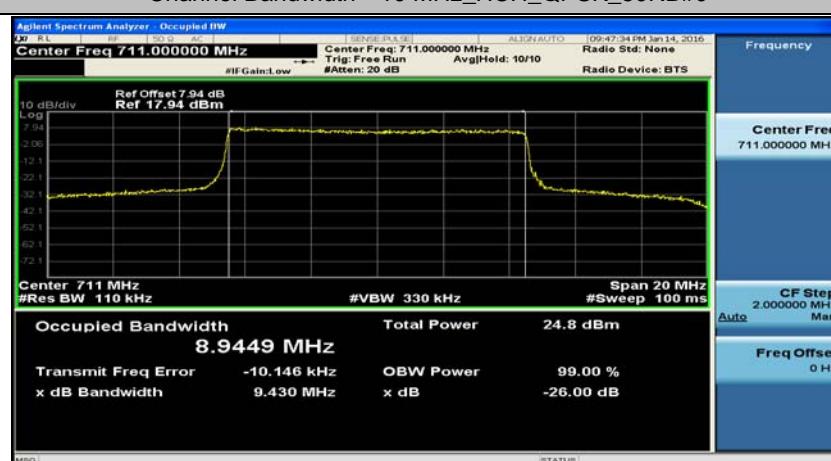
## Channel Bandwidth 10 MHz\_LCH\_QPSK\_50RB#0

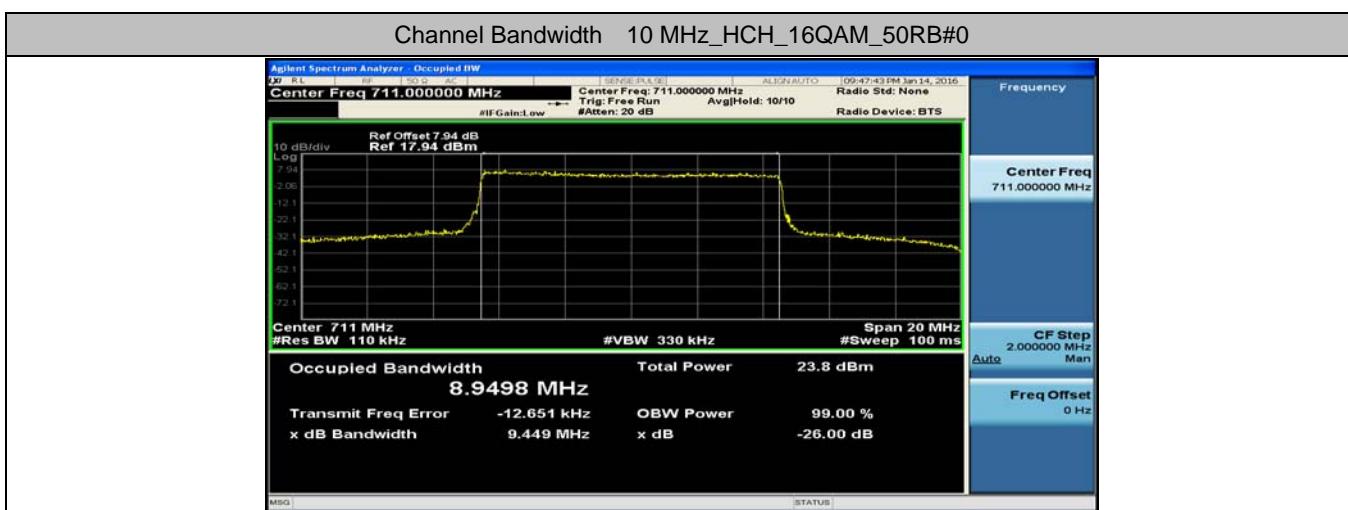
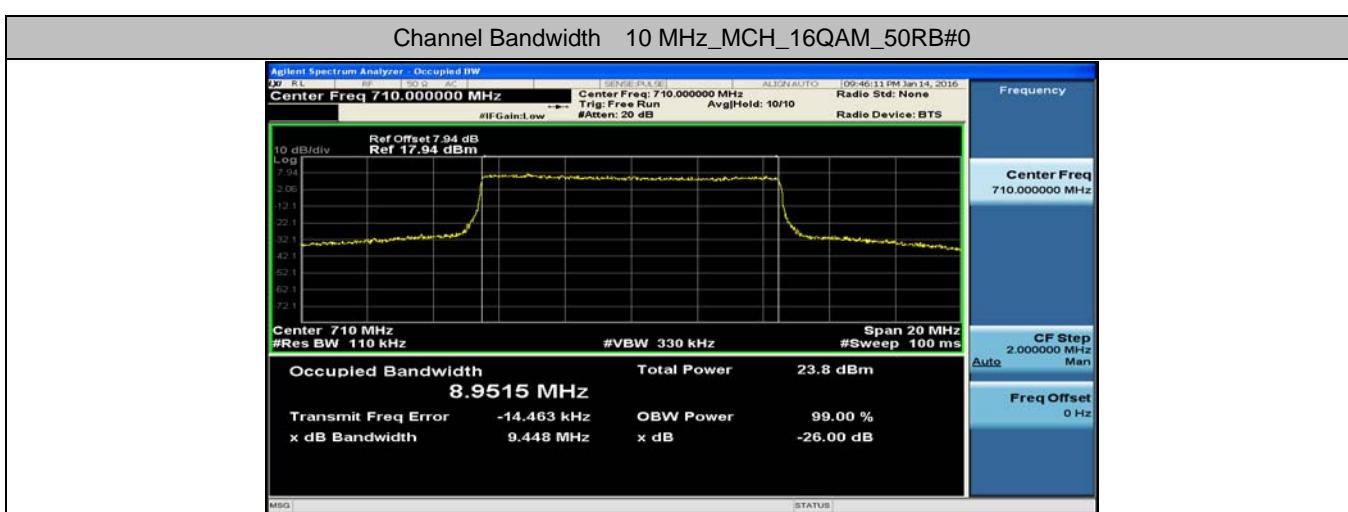
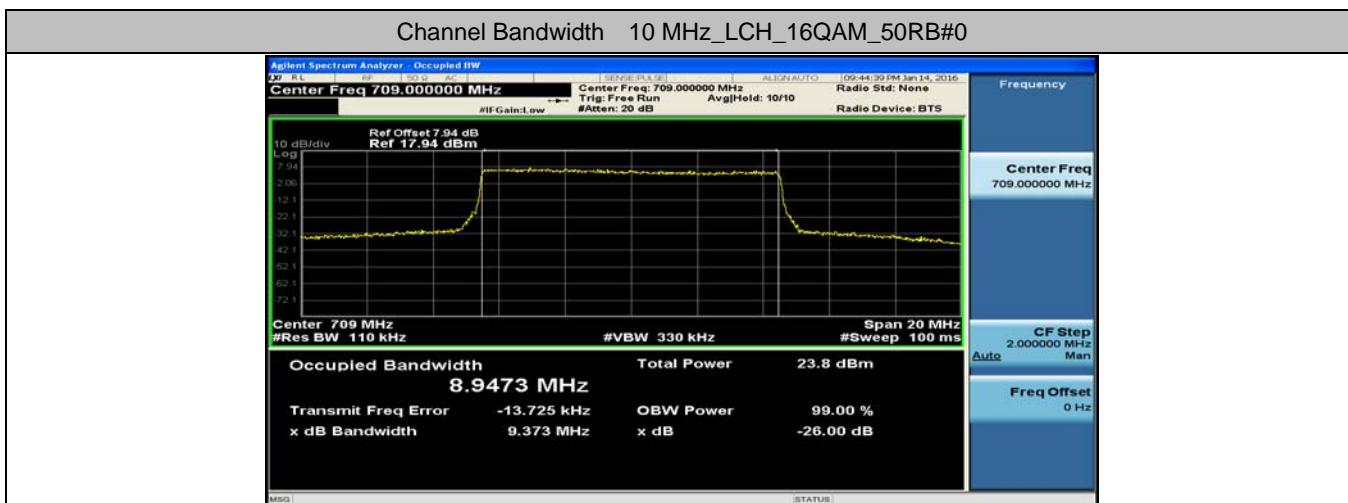


## Channel Bandwidth 10 MHz\_MCH\_QPSK\_50RB#0



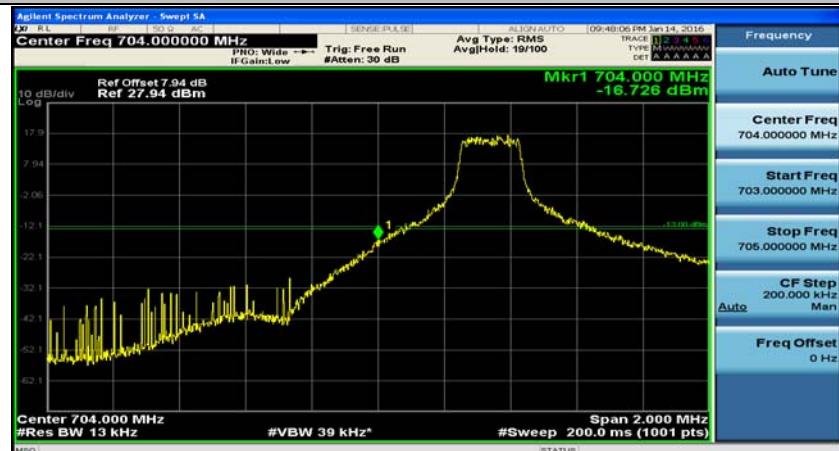
## Channel Bandwidth 10 MHz\_HCH\_QPSK\_50RB#0



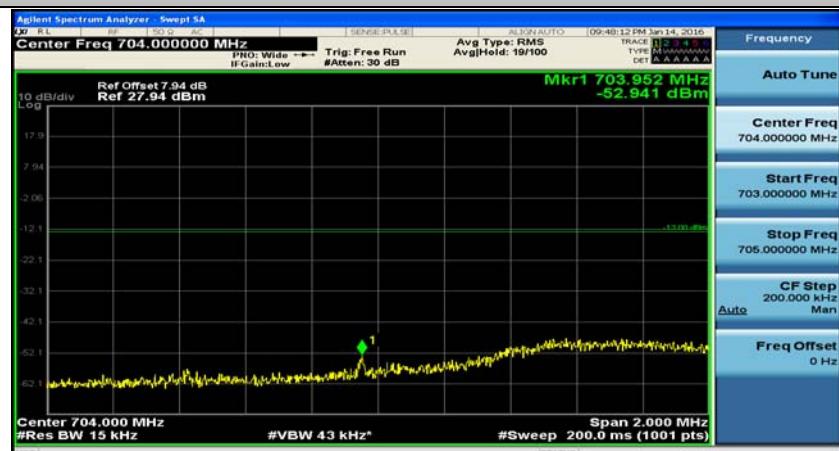


## E.4: Band Edge

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



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



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



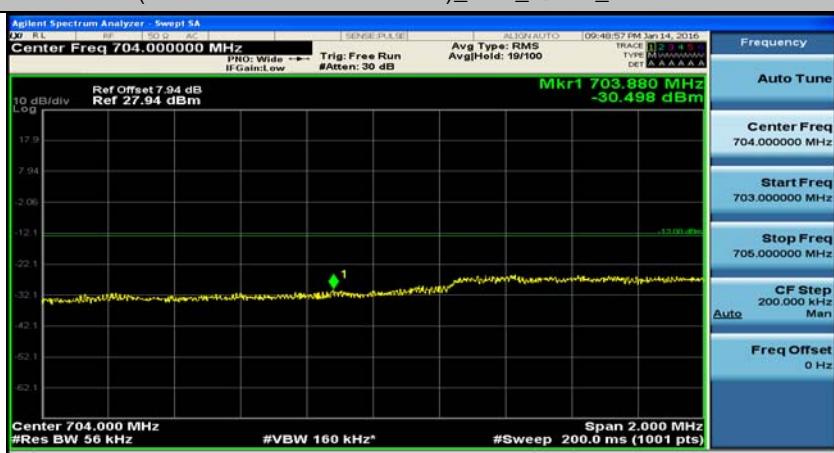
## (Channel Bandwidth 5 MHz)\_LCH\_QPSK\_12RB#0



## (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



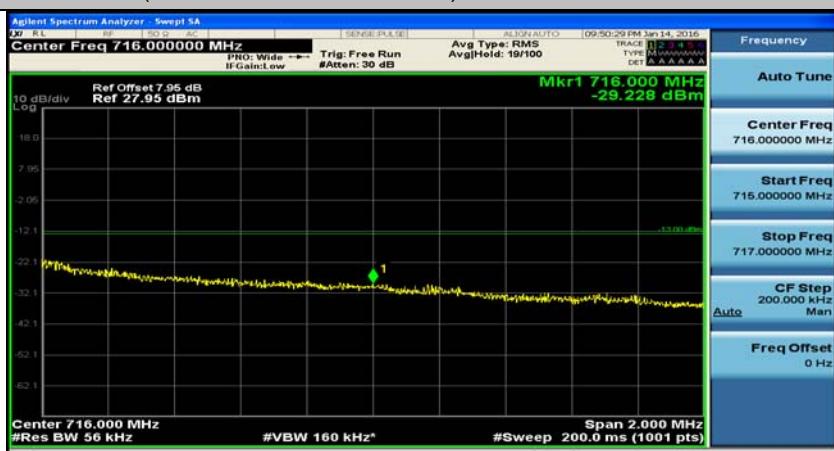
## (Channel Bandwidth 5 MHz)\_HCH\_QPSK\_1RB#24



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



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



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



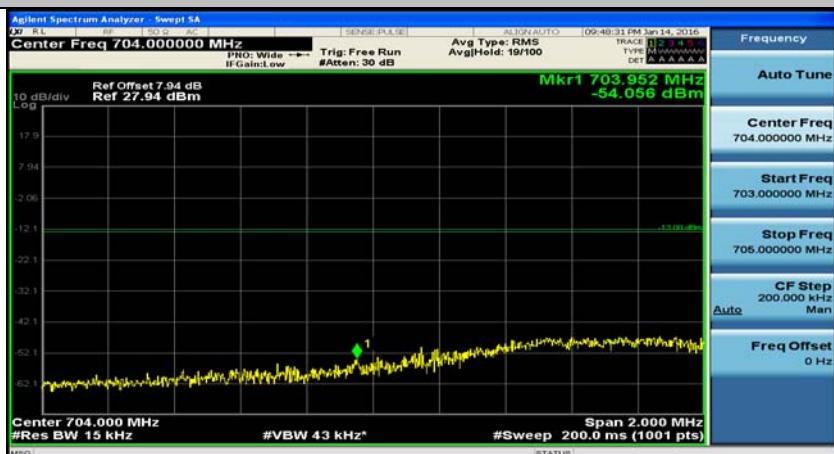
## (Channel Bandwidth 5 MHz)\_HCH\_QPSK\_25RB#0



## (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

