

## Appendix for Band 13

### 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	23.38	PASS
		1	12	23.4	PASS
		1	24	23.37	PASS
		12	0	22.33	PASS
		12	6	22.33	PASS
		12	13	22.36	PASS
		25	0	22.28	PASS
	MCH	1	0	23.4	PASS
		1	12	23.43	PASS
		1	24	23.42	PASS
		12	0	22.36	PASS
		12	6	22.28	PASS
		12	13	22.22	PASS
		25	0	22.33	PASS
	HCH	1	0	23.46	PASS
		1	12	23.38	PASS
		1	24	23.37	PASS
		12	0	22.24	PASS
		12	6	22.14	PASS
		12	13	22.38	PASS
		25	0	22.35	PASS
16QAM	LCH	1	0	22.16	PASS
		1	12	22.49	PASS
		1	24	22.25	PASS
		12	0	21.33	PASS
		12	6	21.3	PASS
		12	13	21.33	PASS
		25	0	21.25	PASS
	MCH	1	0	22.46	PASS
		1	12	22.22	PASS
		1	24	22.27	PASS
		12	0	21.43	PASS

		12	6	21.46	PASS
		12	13	21.32	PASS
		25	0	21.34	PASS
	HCH	1	0	22.16	PASS
		1	12	22.16	PASS
		1	24	22.23	PASS
		12	0	21.42	PASS
		12	6	21.39	PASS
		12	13	21.37	PASS
		25	0	21.38	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	23.48	PASS
		1	24	23.33	PASS
		1	49	23.31	PASS
		25	0	22.39	PASS
		25	12	22.33	PASS
		25	25	22.35	PASS
		50	0	22.34	PASS
16QAM	MCH	1	0	22.48	PASS
		1	24	22.25	PASS
		1	49	22.16	PASS
		25	0	21.26	PASS
		25	12	21.33	PASS
		25	25	21.37	PASS
		50	0	21.31	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	4.05	<13	PASS
		1	12	3.18	<13	PASS
		1	24	3.75	<13	PASS
		12	0	4.36	<13	PASS
		12	6	4.03	<13	PASS
		12	13	4.1	<13	PASS
		25	0	4.54	<13	PASS
	MCH	1	0	3.09	<13	PASS
		1	12	3.8	<13	PASS
		1	24	4.6	<13	PASS
		12	0	4.19	<13	PASS
		12	6	4.55	<13	PASS
		12	13	5.1	<13	PASS
		25	0	4.74	<13	PASS
	HCH	1	0	4.18	<13	PASS
		1	12	4.89	<13	PASS
		1	24	4.69	<13	PASS
		12	0	5.18	<13	PASS
		12	6	5.38	<13	PASS
		12	13	5.33	<13	PASS
		25	0	5.3	<13	PASS
16QAM	LCH	1	0	5.11	<13	PASS
		1	12	4.22	<13	PASS
		1	24	4.66	<13	PASS
		12	0	5.26	<13	PASS
		12	6	4.98	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.43	<13	PASS
	MCH	1	0	3.89	<13	PASS
		1	12	4.76	<13	PASS
		1	24	5.62	<13	PASS
		12	0	5.03	<13	PASS

		12	6	5.41	<13	PASS
		12	13	5.95	<13	PASS
		25	0	5.57	<13	PASS
	HCH	1	0	4.89	<13	PASS
		1	12	5.73	<13	PASS
		1	24	5.57	<13	PASS
		12	0	6.01	<13	PASS
		12	6	6.26	<13	PASS
		12	13	6.26	<13	PASS
		25	0	6.06	<13	PASS

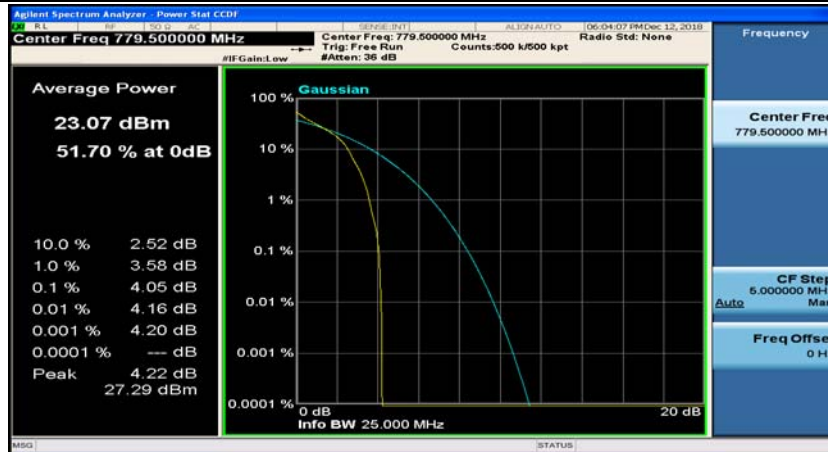
### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	3.9	<13	PASS
		1	24	3.8	<13	PASS
		1	49	4.48	<13	PASS
		25	0	4.45	<13	PASS
		25	12	4.69	<13	PASS
		25	25	5.25	<13	PASS
		50	0	5	<13	PASS
16QAM	MCH	1	0	4.95	<13	PASS
		1	24	4.64	<13	PASS
		1	49	5.34	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.56	<13	PASS
		25	25	6.11	<13	PASS
		50	0	5.79	<13	PASS

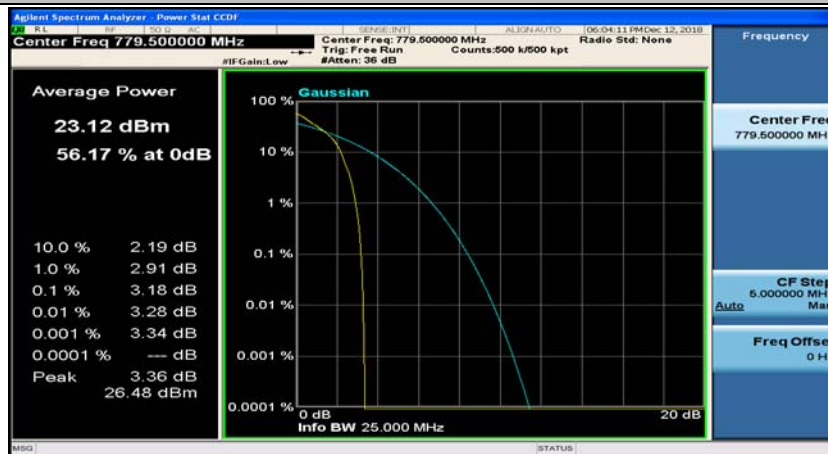
## Test Graphs

### Channel Bandwidth: 5 MHz

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



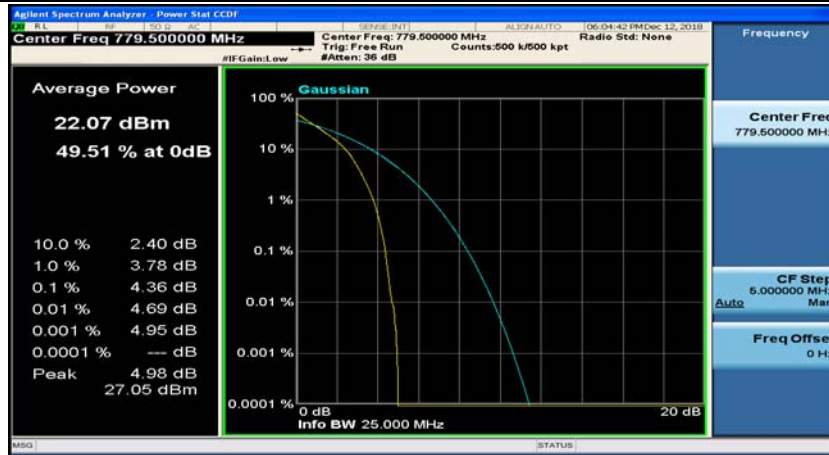
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12



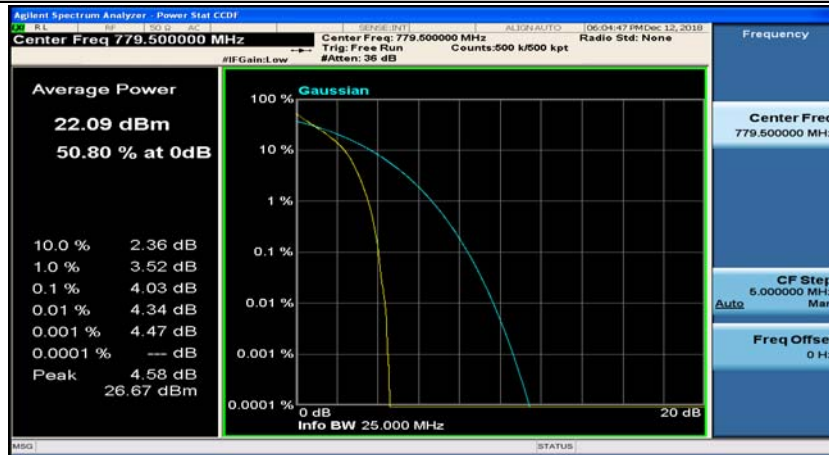
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



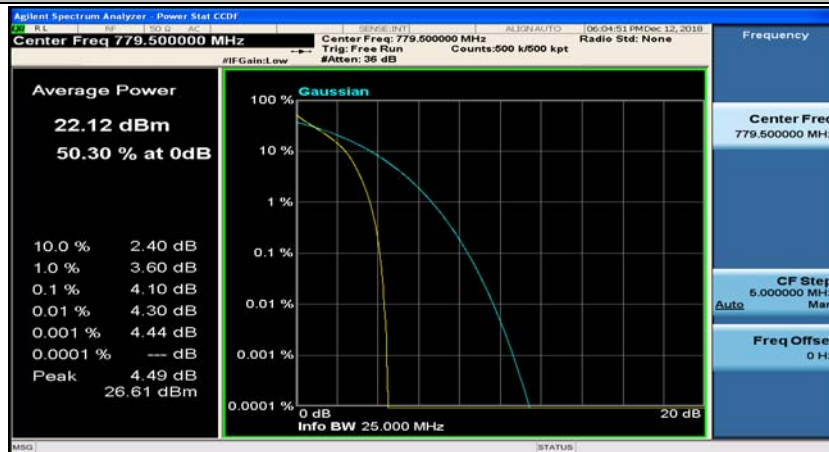
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



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



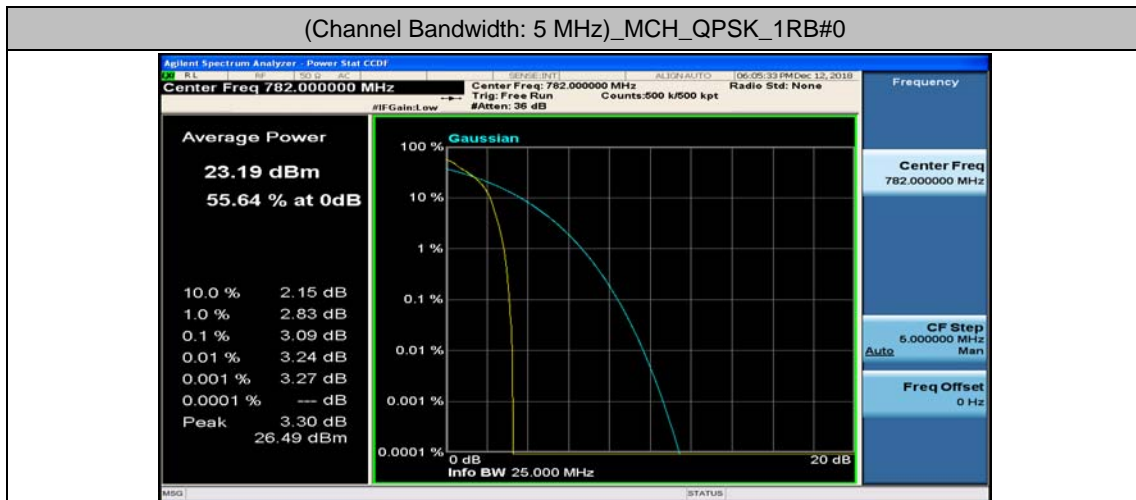
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



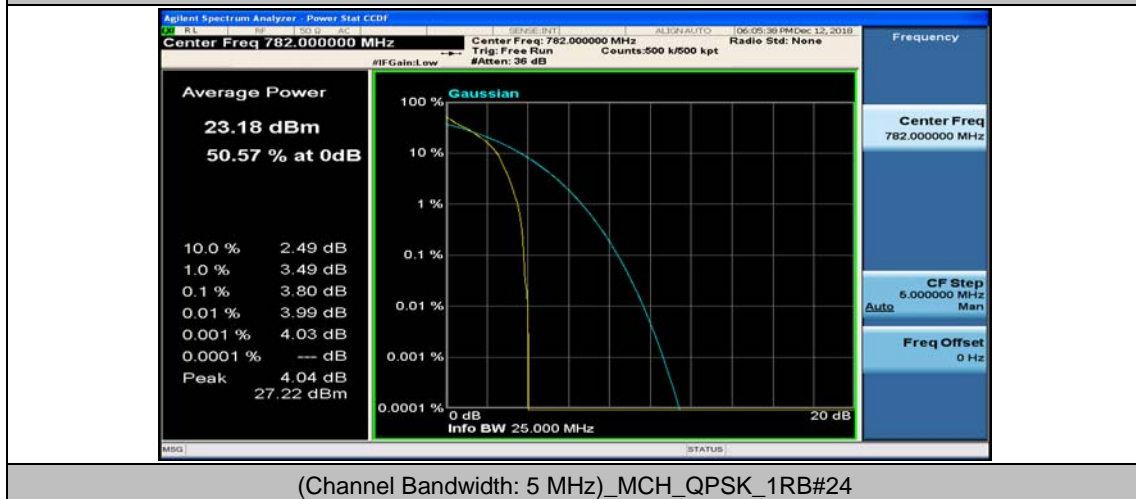
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



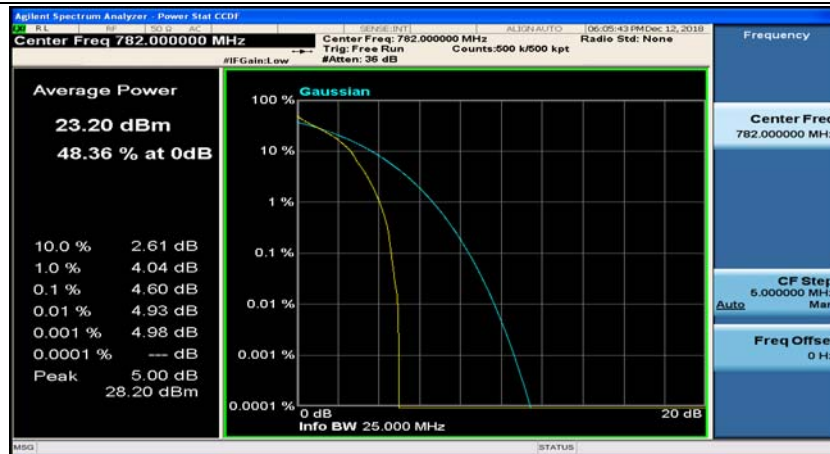
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



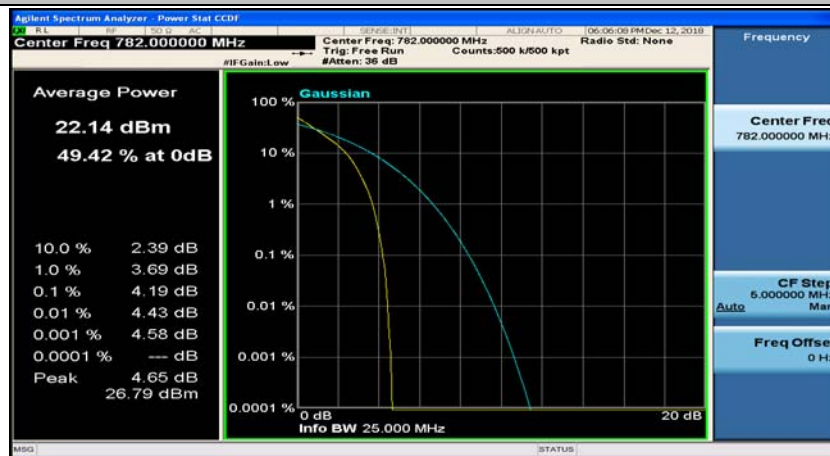
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



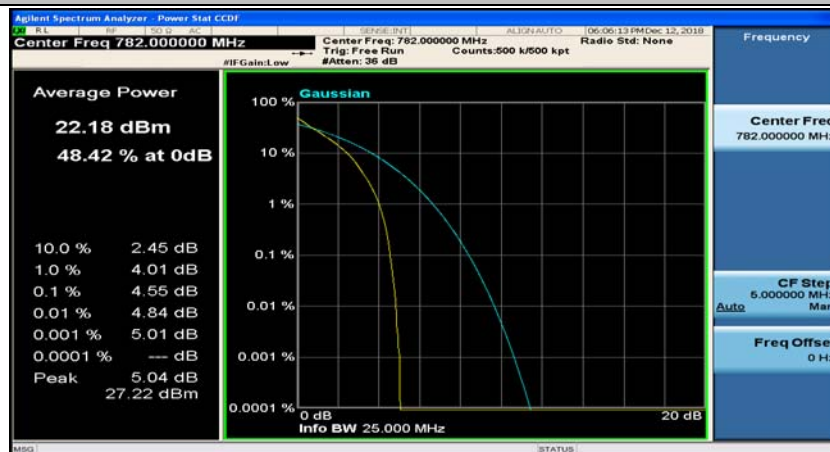
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



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



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

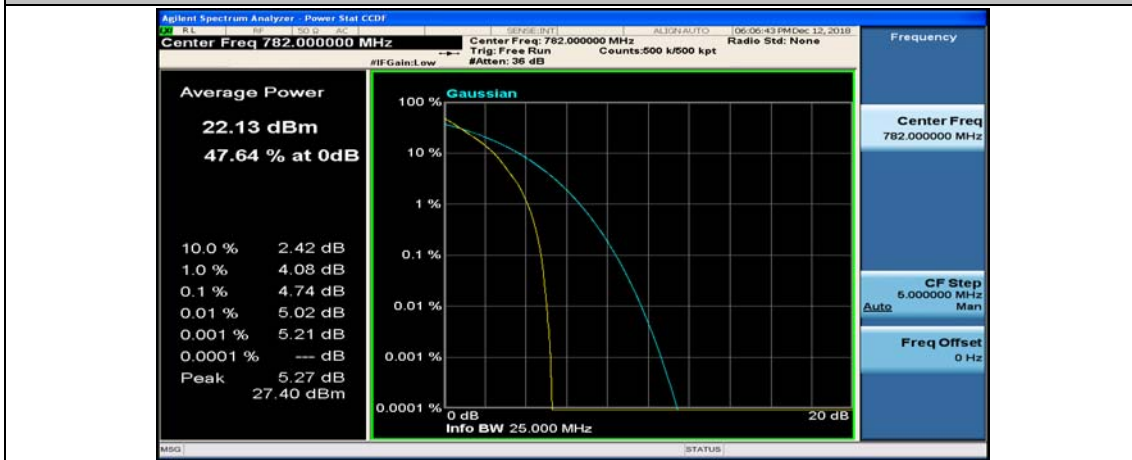


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13

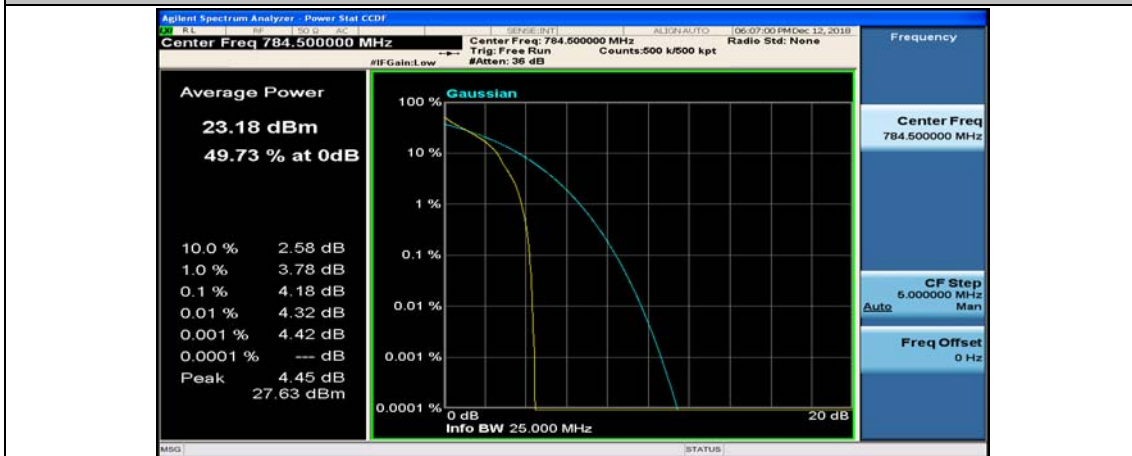




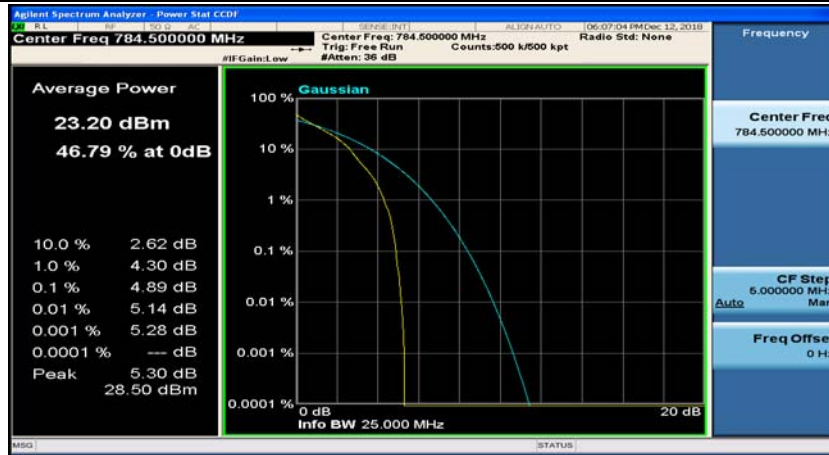
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



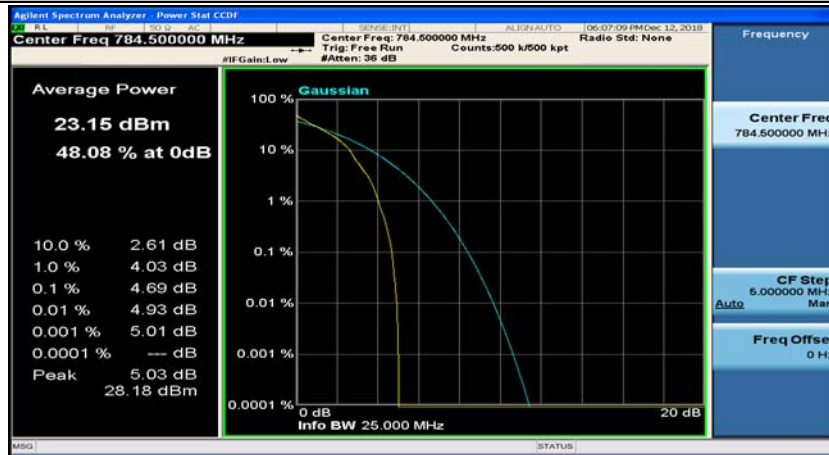
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



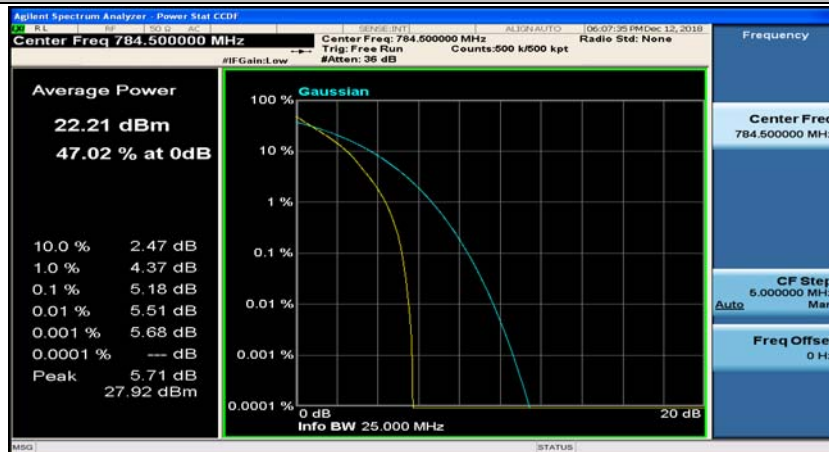
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



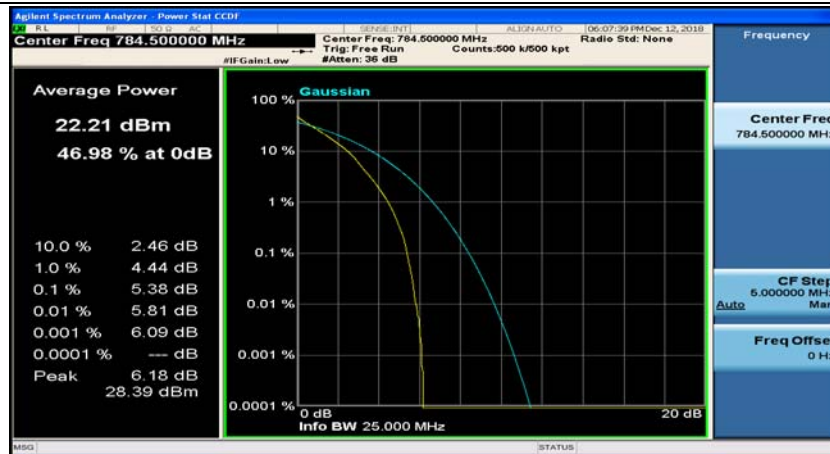
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



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



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



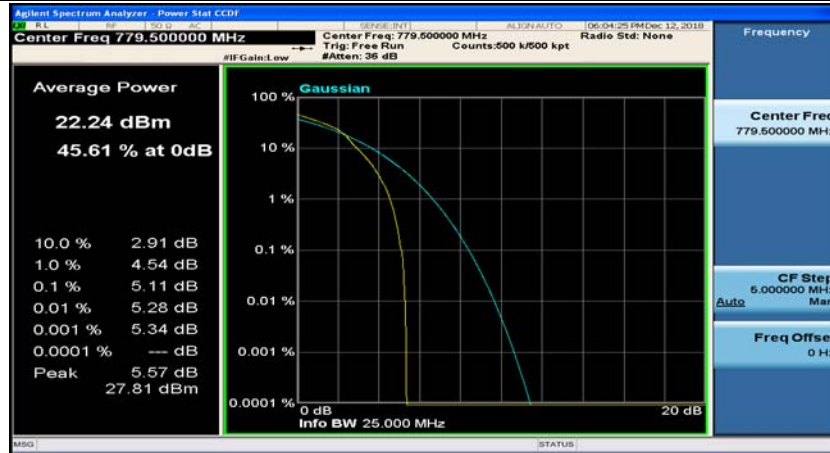
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#13



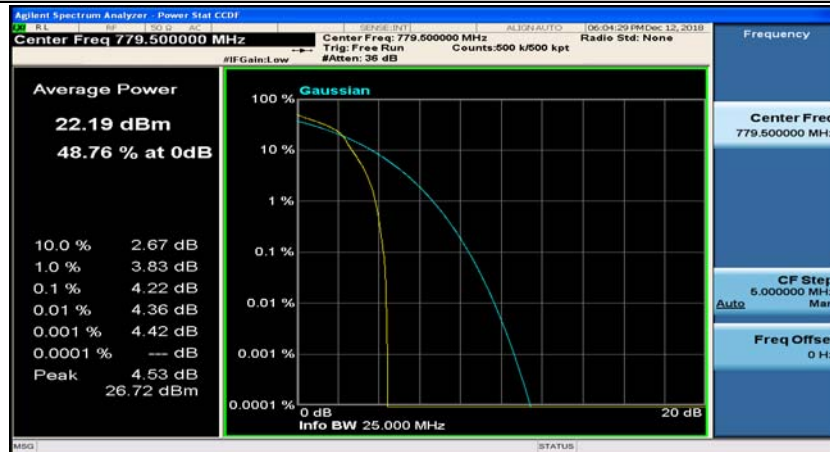
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



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



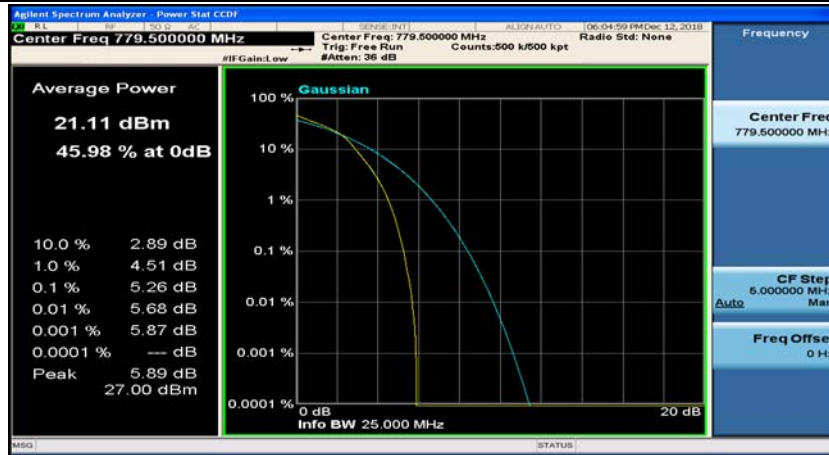
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



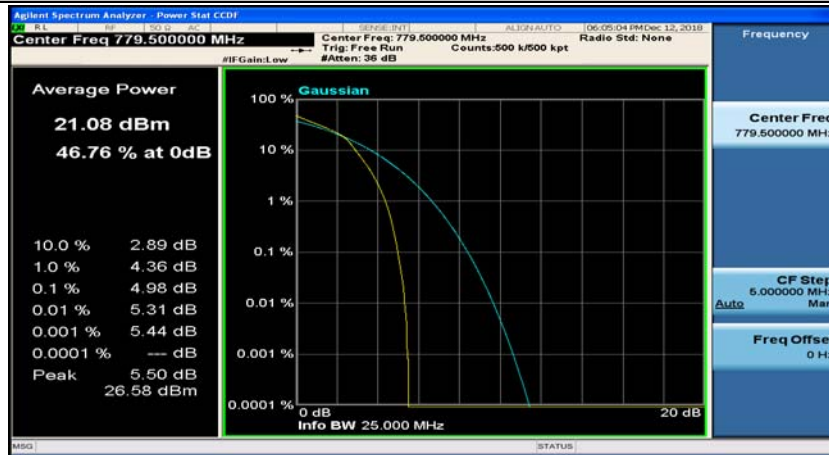
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



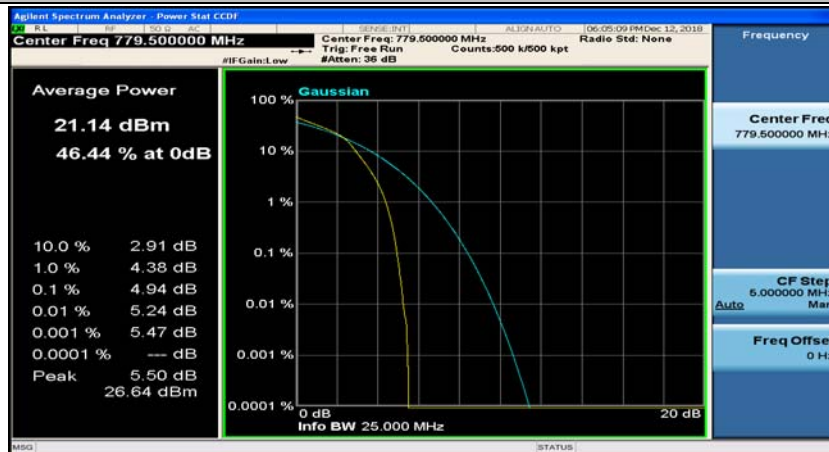
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0



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



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

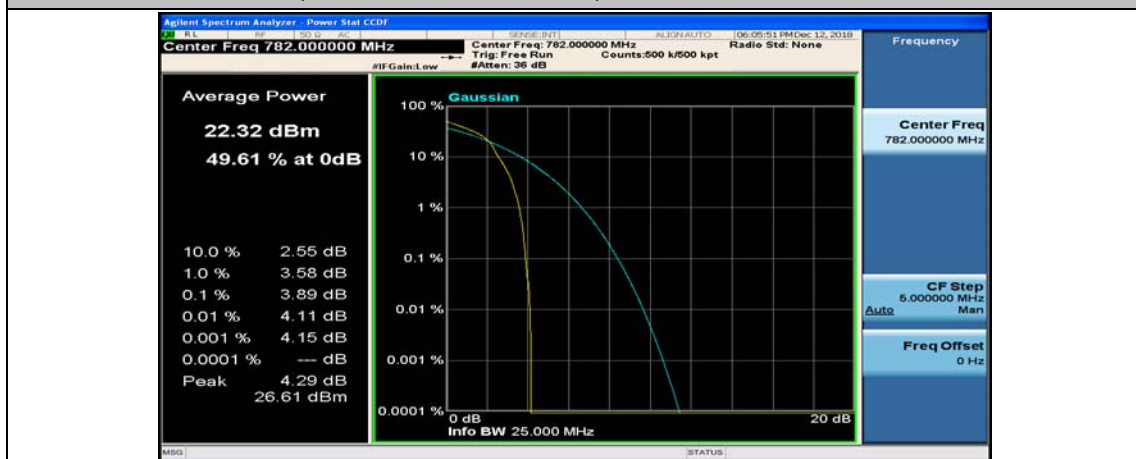


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0

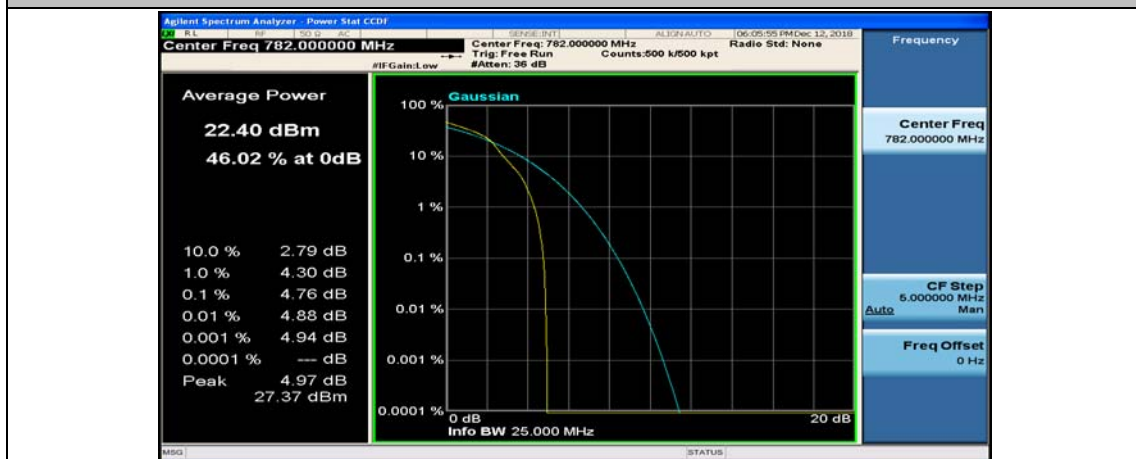




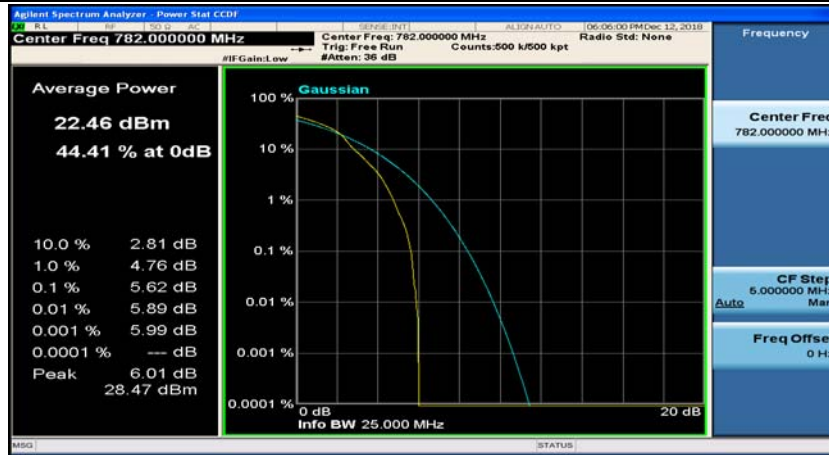
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



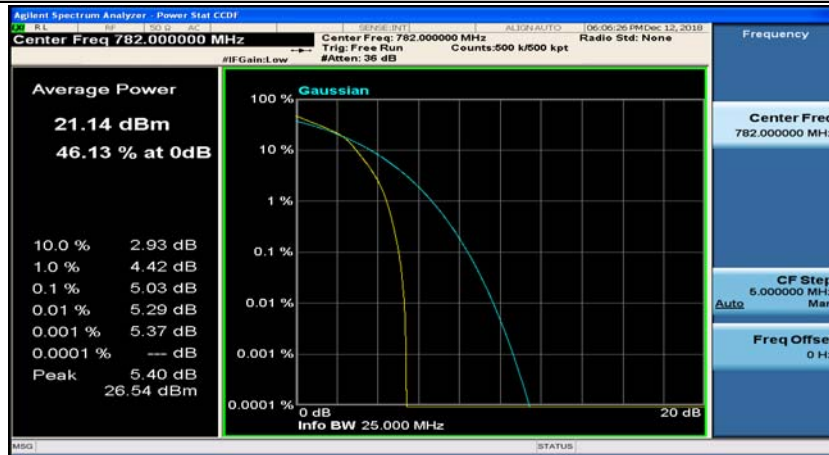
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



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



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



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



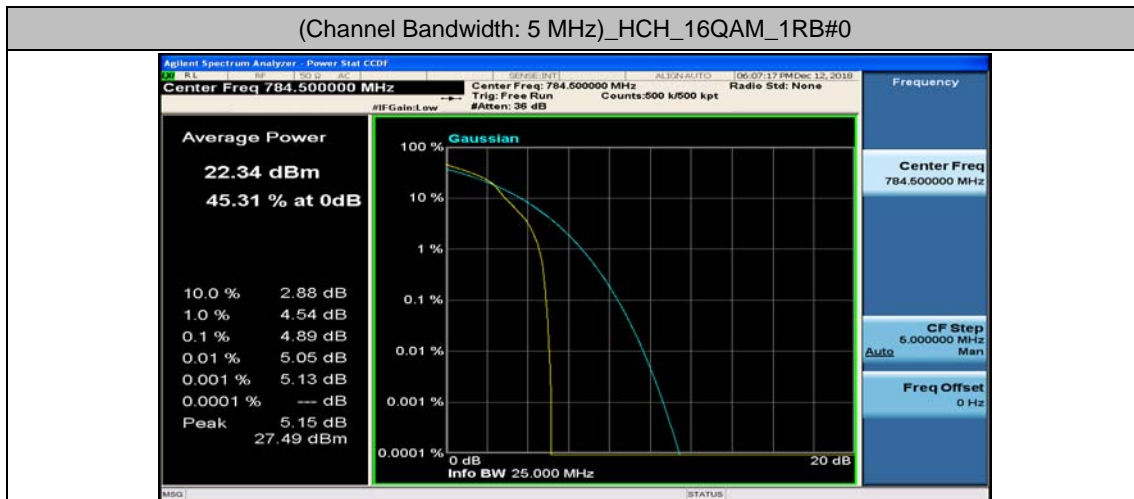
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#13



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

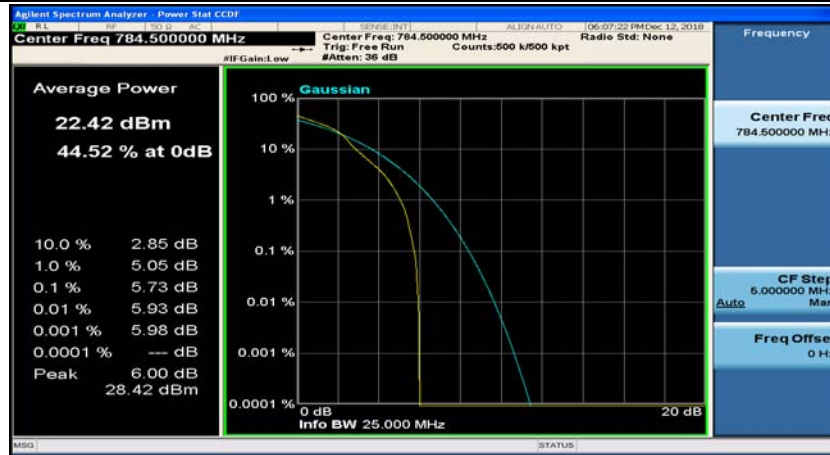


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0

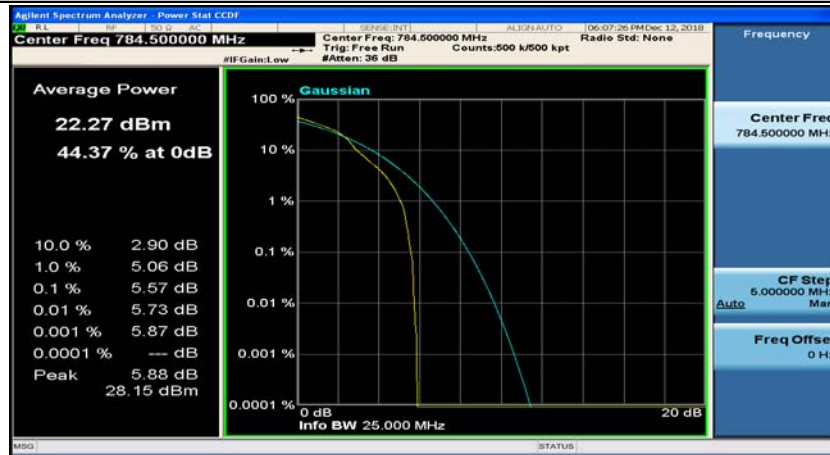


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

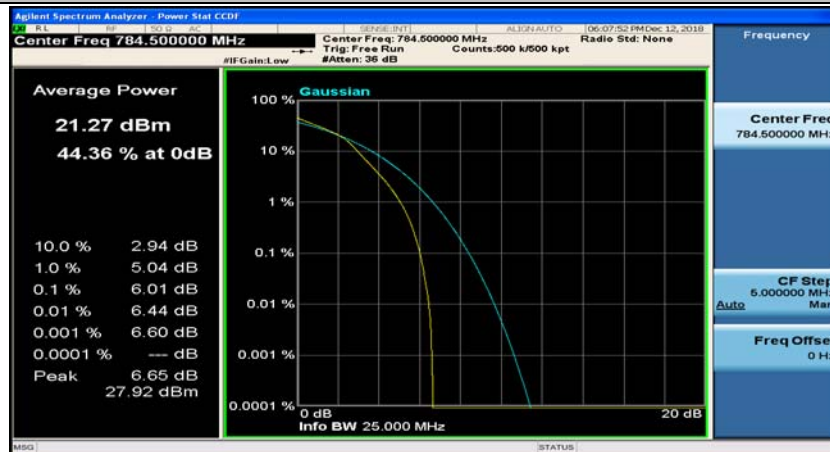




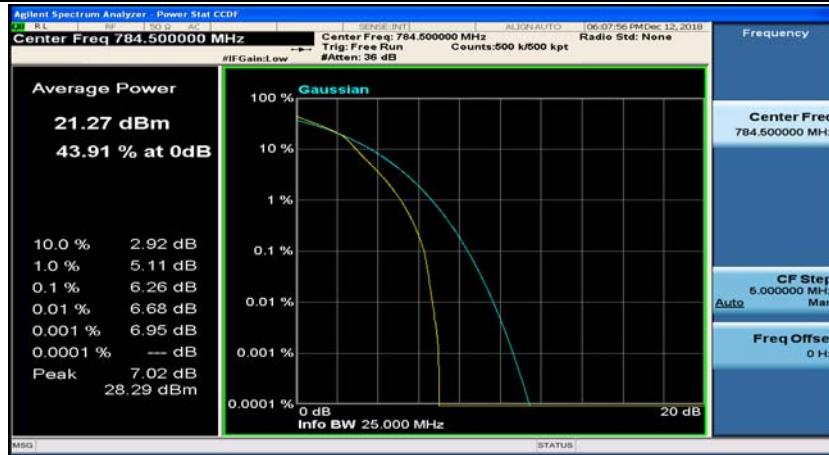
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



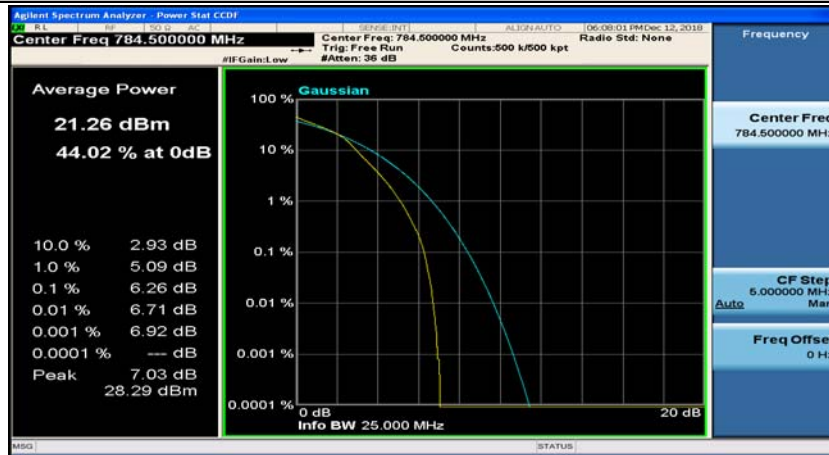
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



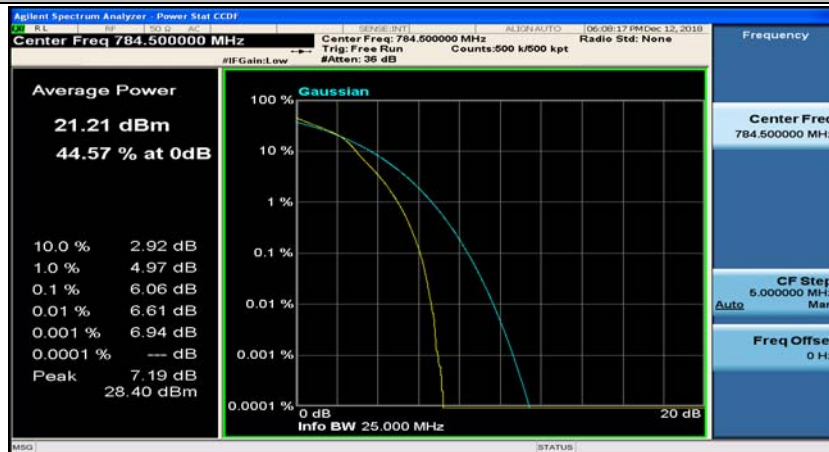
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6



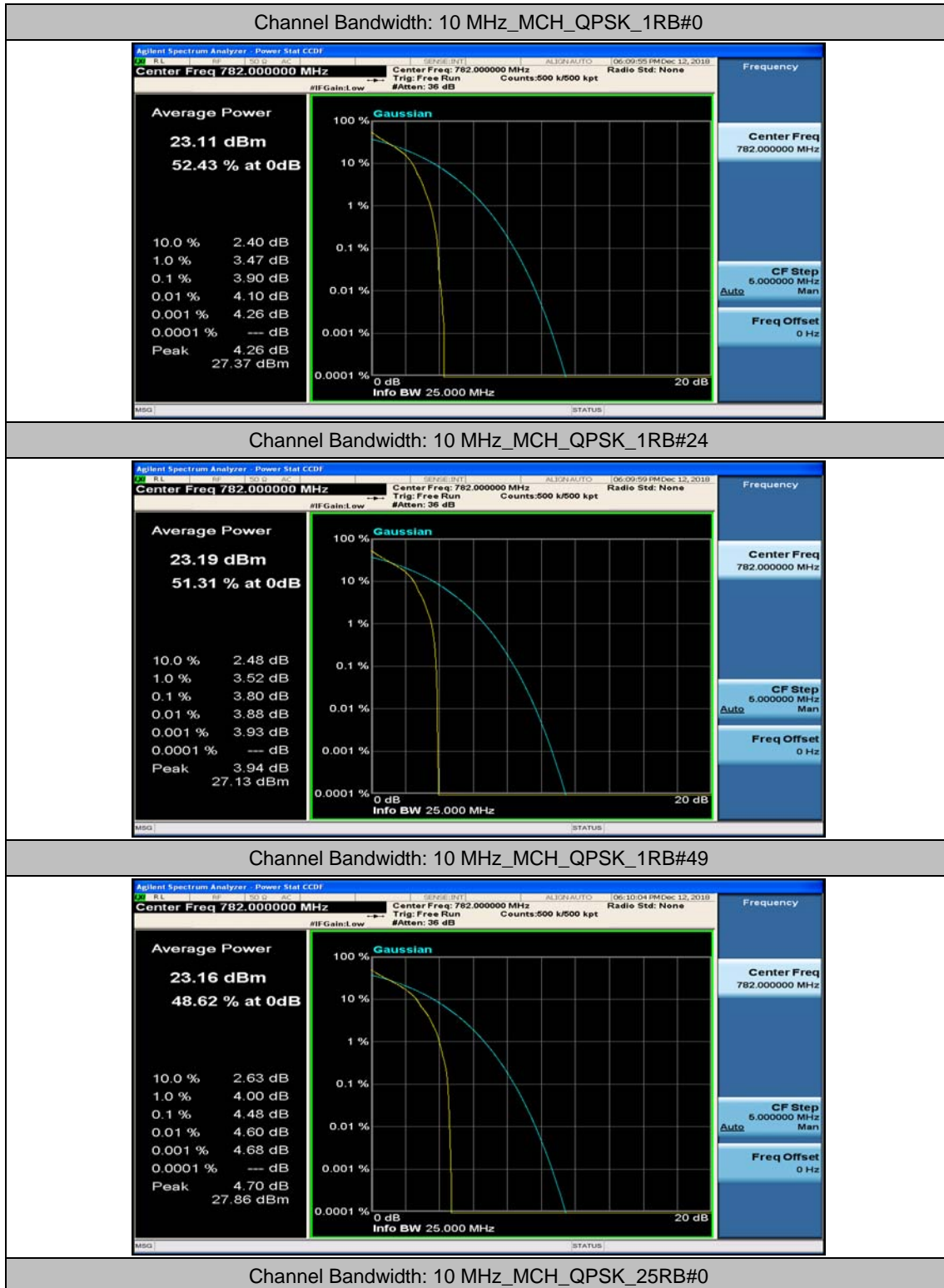
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#13

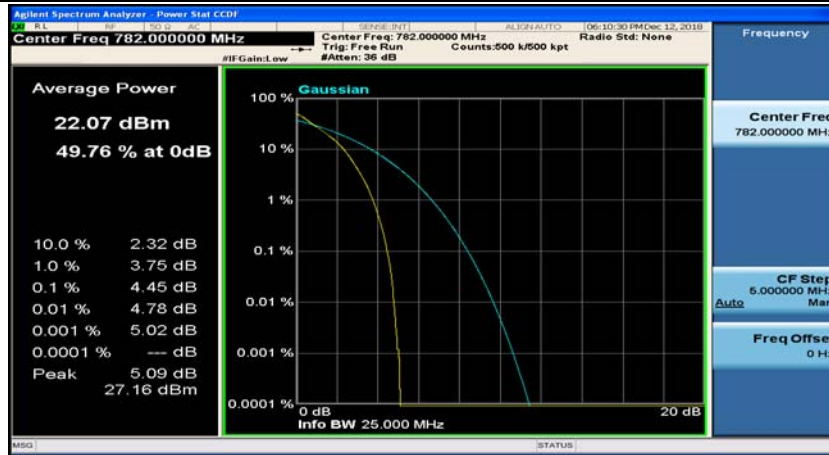


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

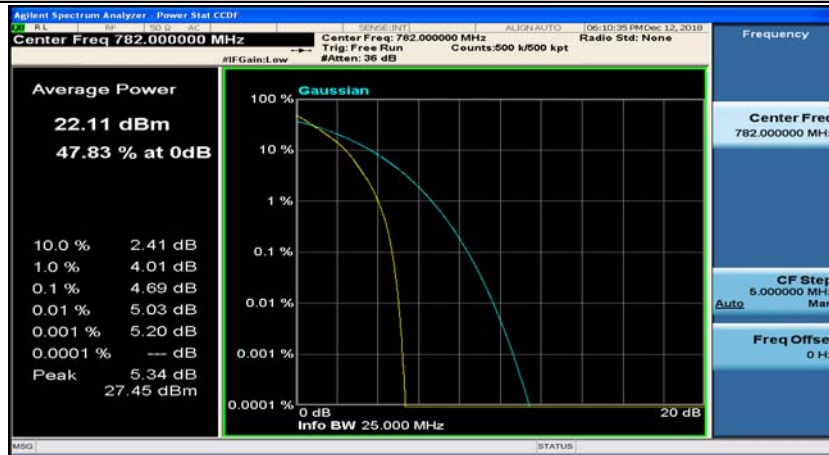


## Channel Bandwidth: 10 MHz

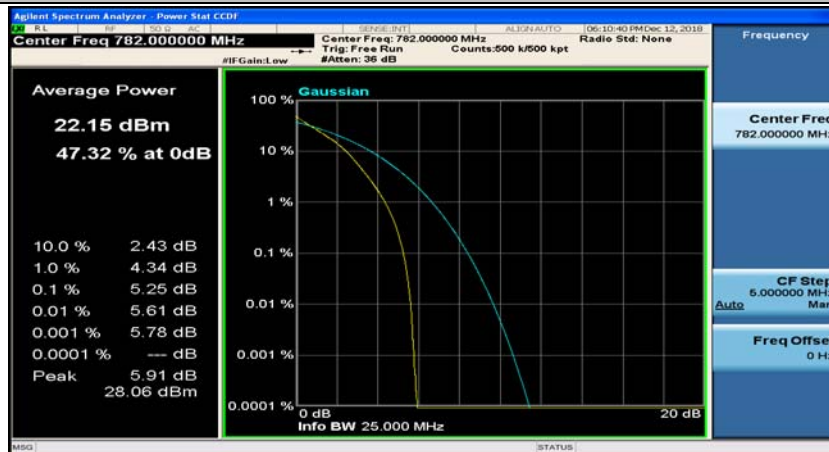




Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



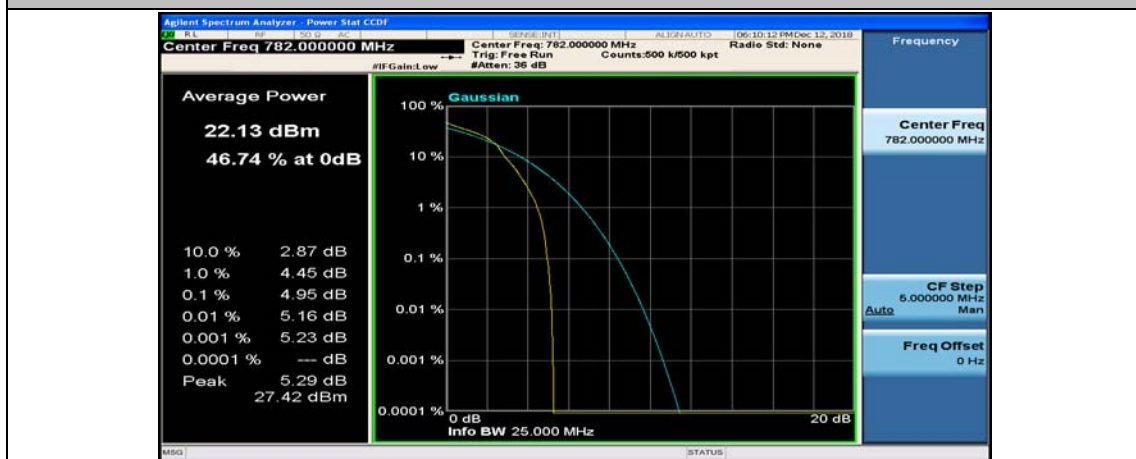
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



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



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

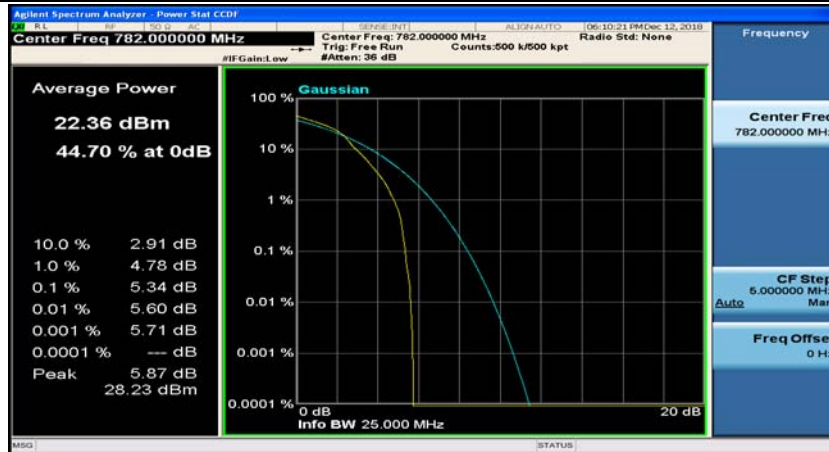


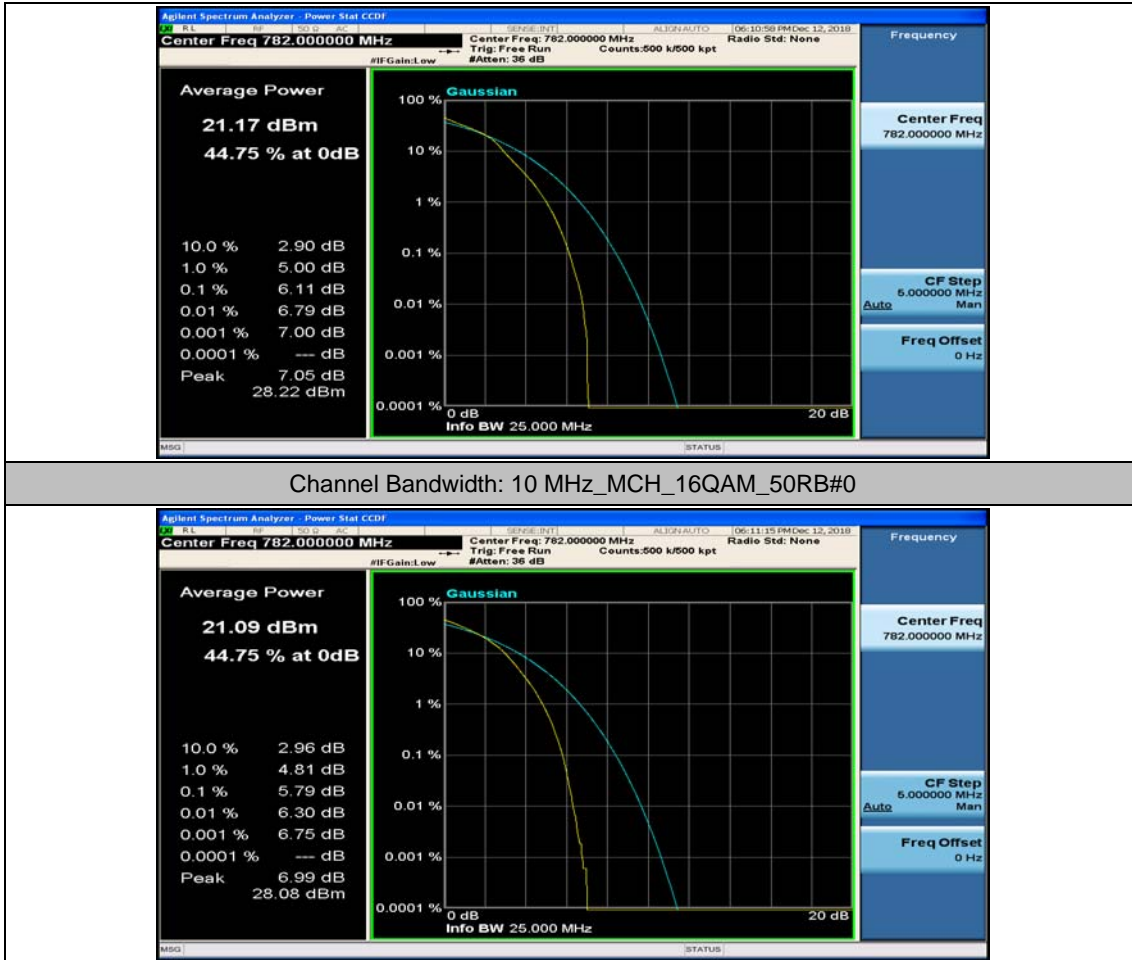
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



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







## 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	4.4756	4.809	PASS
	MCH	25	0	4.4813	4.785	PASS
	HCH	25	0	4.4906	4.831	PASS
16QAM	LCH	25	0	4.4699	4.800	PASS
	MCH	25	0	4.4820	4.840	PASS
	HCH	25	0	4.4882	4.859	PASS

#### Channel Bandwidth: 10 MHz

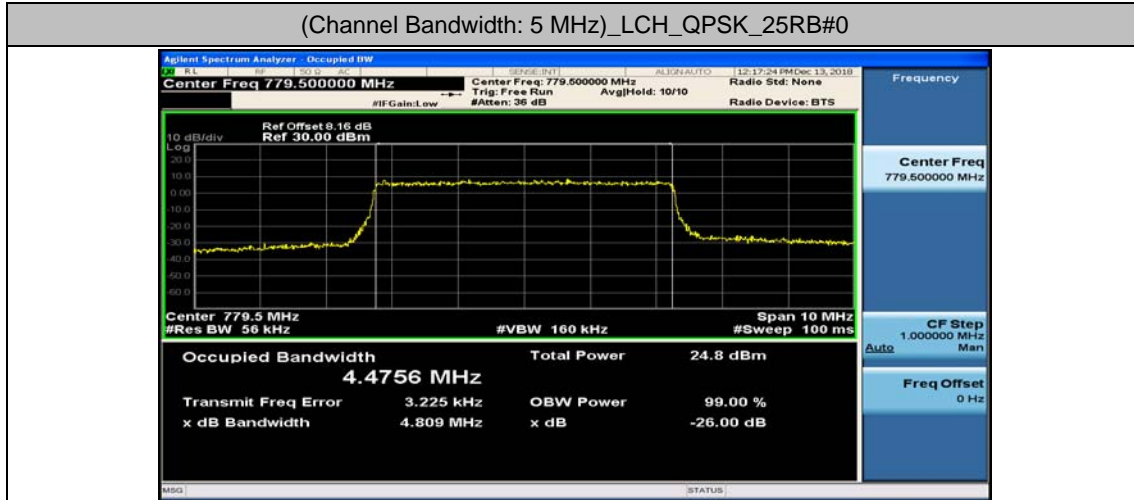
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9327	9.467	PASS
16QAM	MCH	50	0	8.9273	9.457	PASS



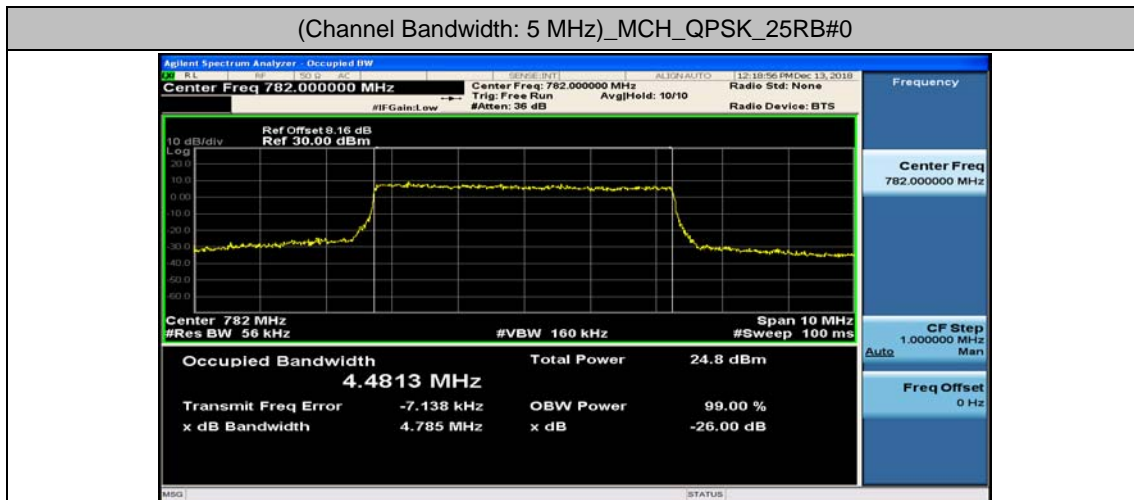
## Test Graphs

### Channel Bandwidth: 5 MHz

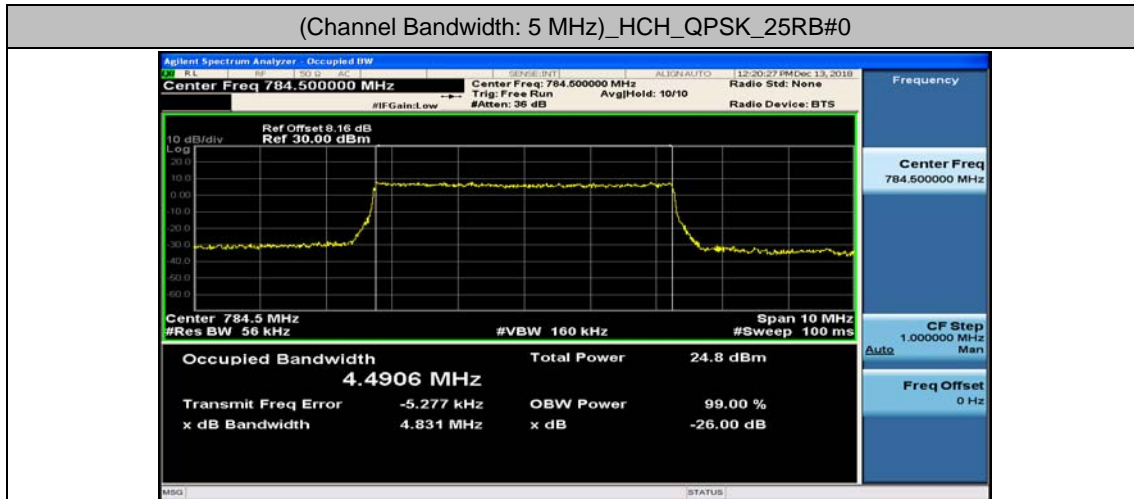
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



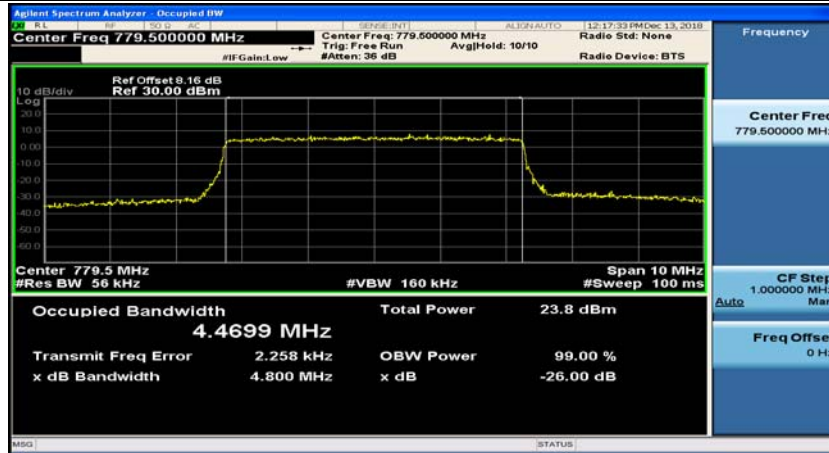
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



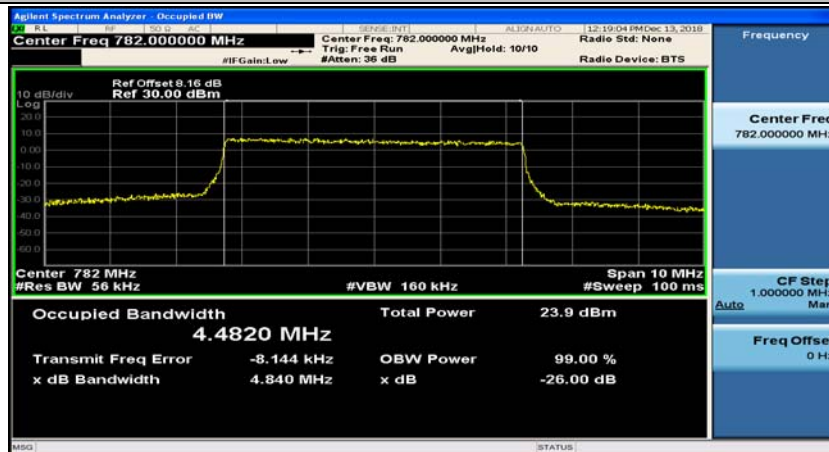
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



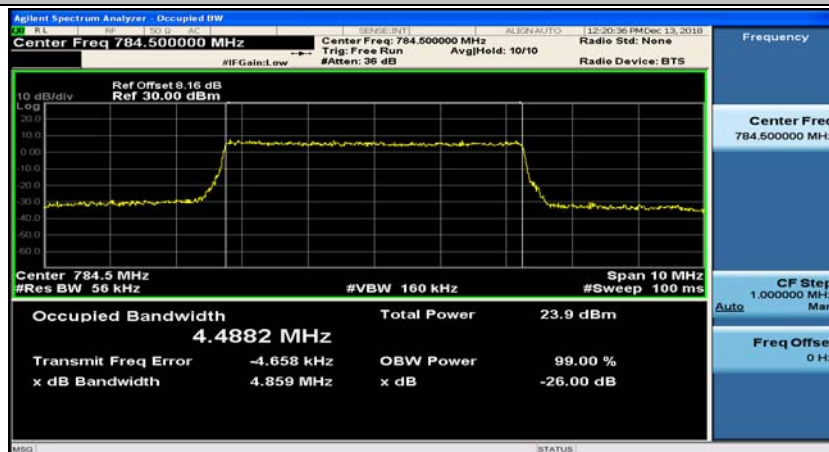
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



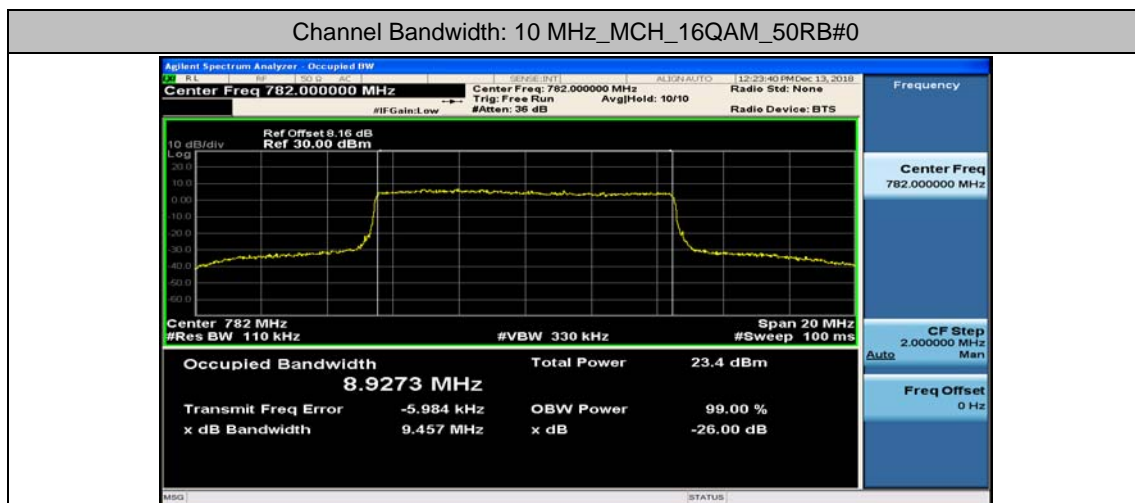
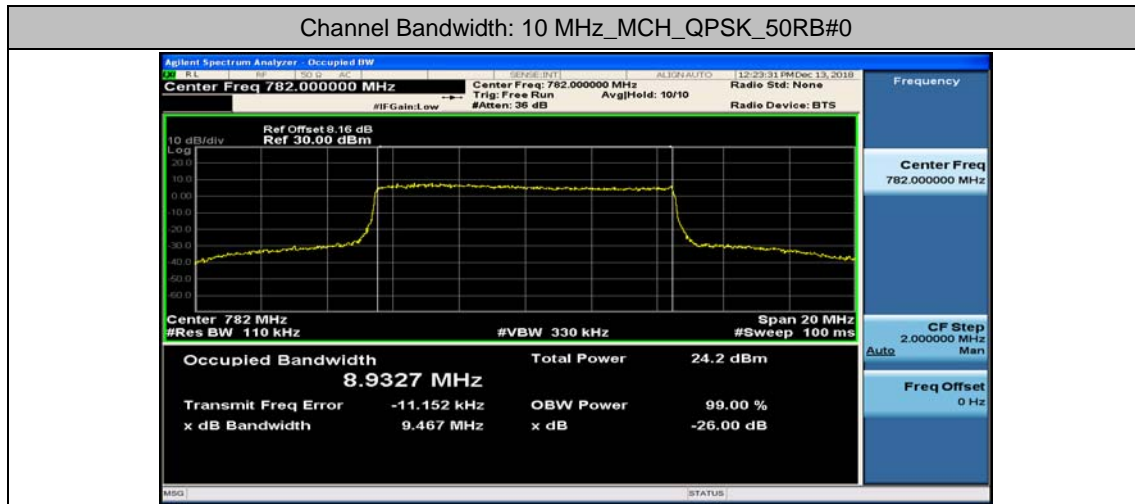
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



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



## Channel Bandwidth: 10 MHz

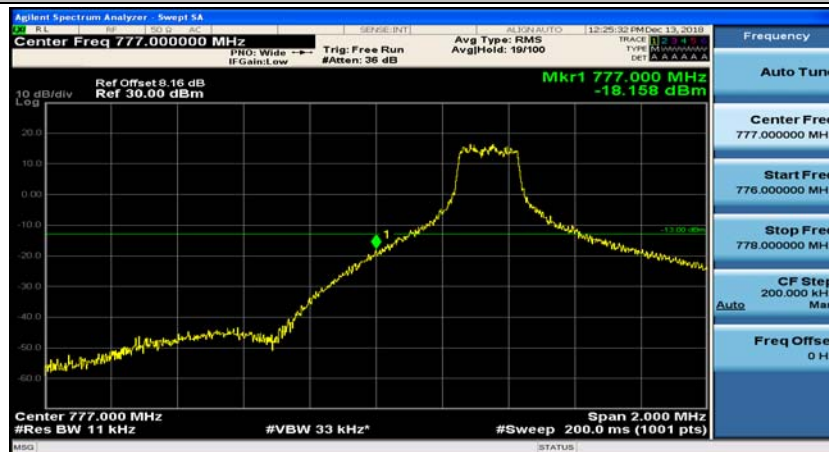


## Appendix D: Band Edge

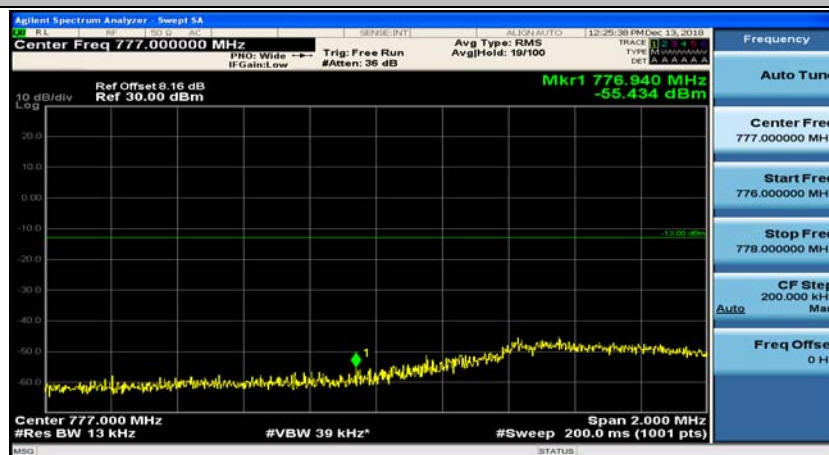
### Test Graphs

#### Channel Bandwidth: 5 MHz

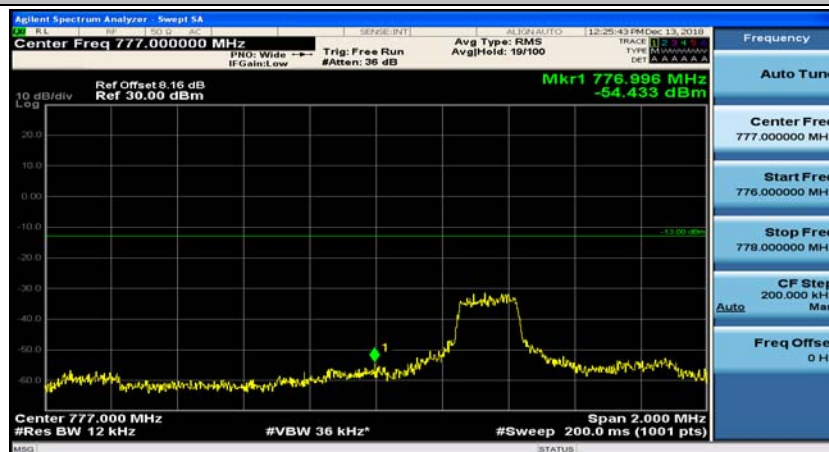
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



(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

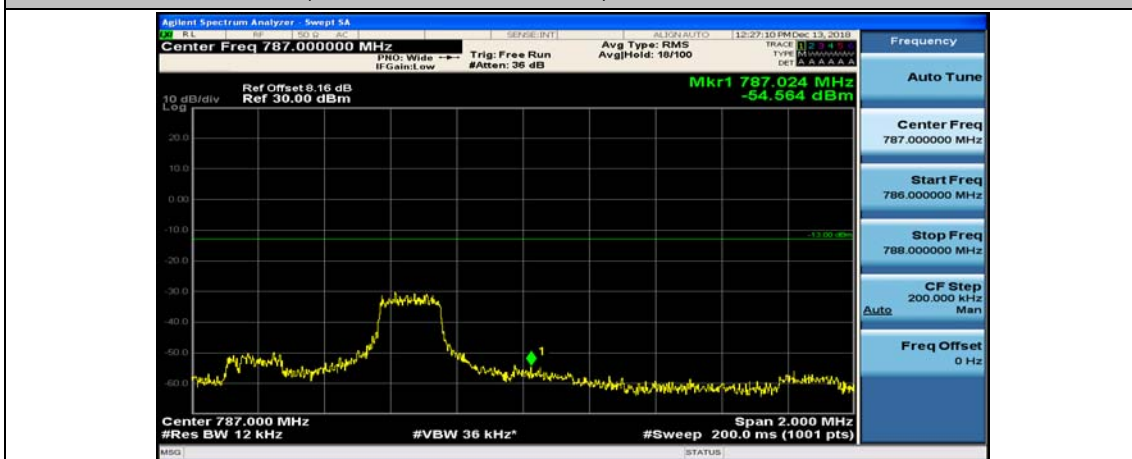


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0

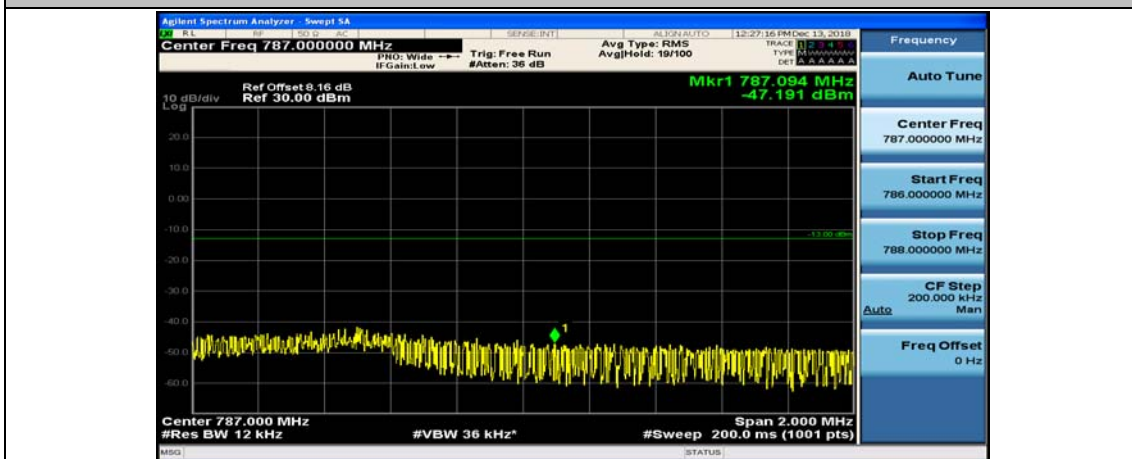




(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



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



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