

## 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	23.04	PASS
		1	12	23.38	PASS
		1	24	22.98	PASS
		12	0	22.08	PASS
		12	6	22.10	PASS
		12	13	21.98	PASS
		25	0	22.10	PASS
	MCH	1	0	22.99	PASS
		1	12	23.26	PASS
		1	24	22.98	PASS
		12	0	22.11	PASS
		12	6	22.03	PASS
		12	13	22.02	PASS
		25	0	22.11	PASS
	HCH	1	0	22.99	PASS
		1	12	23.27	PASS
		1	24	22.90	PASS
		12	0	21.95	PASS
		12	6	22.03	PASS
		12	13	22.02	PASS
		25	0	22.02	PASS
16QAM	LCH	1	0	22.32	PASS
		1	12	22.64	PASS
		1	24	22.32	PASS
		12	0	21.16	PASS
		12	6	21.23	PASS
		12	13	21.08	PASS
		25	0	21.10	PASS
	MCH	1	0	22.26	PASS
		1	12	22.62	PASS
		1	24	22.23	PASS
		12	0	21.31	PASS

		12	6	21.27	PASS
		12	13	21.21	PASS
		25	0	21.17	PASS
	HCH	1	0	22.22	PASS
		1	12	22.33	PASS
		1	24	22.04	PASS
		12	0	20.99	PASS
		12	6	21.07	PASS
		12	13	20.95	PASS
		25	0	21.06	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.42	PASS
		1	24	23.18	PASS
		1	49	22.94	PASS
		25	0	22.20	PASS
		25	12	22.13	PASS
		25	25	22.14	PASS
		50	0	22.18	PASS
	MCH	1	0	22.99	PASS
		1	24	23.20	PASS
		1	49	22.91	PASS
		25	0	22.22	PASS
		25	12	22.09	PASS
		25	25	22.11	PASS
		50	0	22.17	PASS
	HCH	1	0	23.11	PASS
		1	24	23.21	PASS
		1	49	22.93	PASS
		25	0	22.30	PASS
		25	12	22.10	PASS
		25	25	22.12	PASS
		50	0	22.18	PASS
16QAM	LCH	1	0	22.34	PASS
		1	24	22.47	PASS
		1	49	22.20	PASS
		25	0	21.25	PASS
		25	12	21.14	PASS
		25	25	21.14	PASS

	MCH	50	0	21.18	PASS
		1	0	22.42	PASS
		1	24	22.63	PASS
		1	49	22.32	PASS
		25	0	21.27	PASS
		25	12	21.15	PASS
		25	25	21.17	PASS
		50	0	21.24	PASS
	HCH	1	0	22.40	PASS
		1	24	22.49	PASS
		1	49	22.15	PASS
		25	0	21.30	PASS
		25	12	21.11	PASS
		25	25	21.13	PASS
		50	0	21.20	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	4.86	<13	PASS
		1	12	4.61	<13	PASS
		1	24	4.8	<13	PASS
		12	0	5.36	<13	PASS
		12	6	5.33	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.42	<13	PASS
	MCH	1	0	4.75	<13	PASS
		1	12	4.67	<13	PASS
		1	24	4.88	<13	PASS
		12	0	5.4	<13	PASS
		12	6	5.41	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.53	<13	PASS
	HCH	1	0	5.2	<13	PASS
		1	12	4.77	<13	PASS
		1	24	4.22	<13	PASS
		12	0	5.61	<13	PASS
		12	6	5.5	<13	PASS
		12	13	5.25	<13	PASS
		25	0	5.49	<13	PASS
16QAM	LCH	1	0	5.75	<13	PASS
		1	12	5.36	<13	PASS
		1	24	5.71	<13	PASS
		12	0	6.2	<13	PASS
		12	6	6.14	<13	PASS
		12	13	6.26	<13	PASS
		25	0	6.32	<13	PASS
	MCH	1	0	5.54	<13	PASS
		1	12	5.53	<13	PASS
		1	24	5.97	<13	PASS
		12	0	6.34	<13	PASS
		12	6	6.32	<13	PASS

		12	13	6.53	<13	PASS
		25	0	6.35	<13	PASS
	HCH	1	0	5.93	<13	PASS
		1	12	5.64	<13	PASS
		1	24	5.03	<13	PASS
		12	0	6.53	<13	PASS
		12	6	6.42	<13	PASS
		12	13	6.14	<13	PASS
		25	0	6.24	<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	4.73	<13	PASS
		1	24	4.71	<13	PASS
		1	49	4.95	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.52	<13	PASS
		25	25	5.5	<13	PASS
		50	0	5.54	<13	PASS
	MCH	1	0	4.49	<13	PASS
		1	24	4.63	<13	PASS
		1	49	4.52	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.52	<13	PASS
		25	25	5.48	<13	PASS
		50	0	5.58	<13	PASS
	HCH	1	0	4.63	<13	PASS
		1	24	4.72	<13	PASS
		1	49	4.11	<13	PASS
		25	0	5.32	<13	PASS
		25	12	5.49	<13	PASS
		25	25	5.36	<13	PASS
		50	0	5.5	<13	PASS
16QAM	LCH	1	0	5.63	<13	PASS
		1	24	5.61	<13	PASS
		1	49	5.8	<13	PASS
		25	0	6.23	<13	PASS
		25	12	6.35	<13	PASS
		25	25	6.44	<13	PASS

		50	0	6.34	<13	PASS
	MCH	1	0	5.53	<13	PASS
		1	24	5.52	<13	PASS
		1	49	5.42	<13	PASS
		25	0	6.29	<13	PASS
		25	12	6.4	<13	PASS
		25	25	6.38	<13	PASS
		50	0	6.39	<13	PASS
	HCH	1	0	5.74	<13	PASS
		1	24	5.76	<13	PASS
		1	49	5.1	<13	PASS
		25	0	6.25	<13	PASS
		25	12	6.4	<13	PASS
		25	25	6.32	<13	PASS
		50	0	6.31	<13	PASS

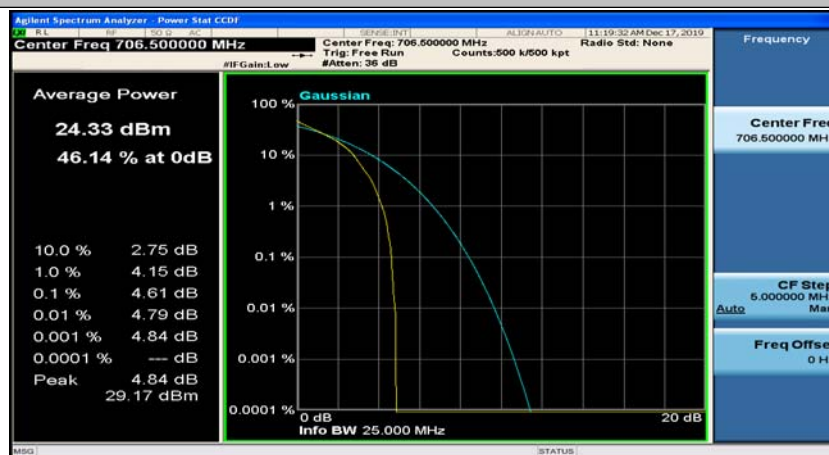
## Test Graphs

### Channel Bandwidth: 5 MHz

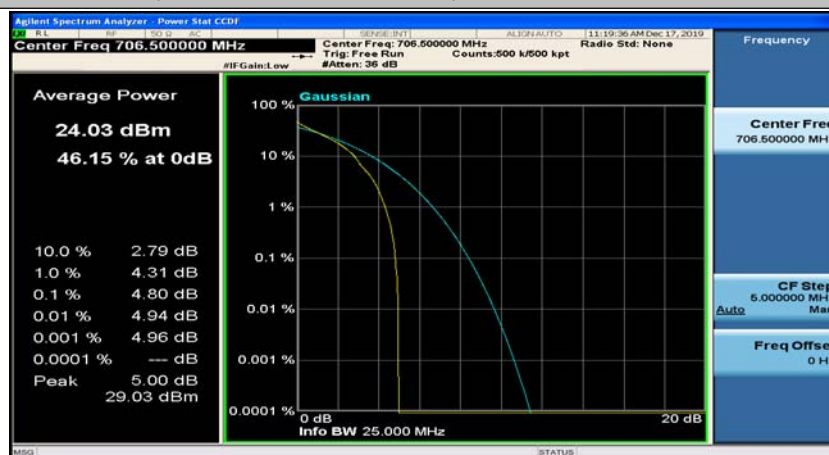
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



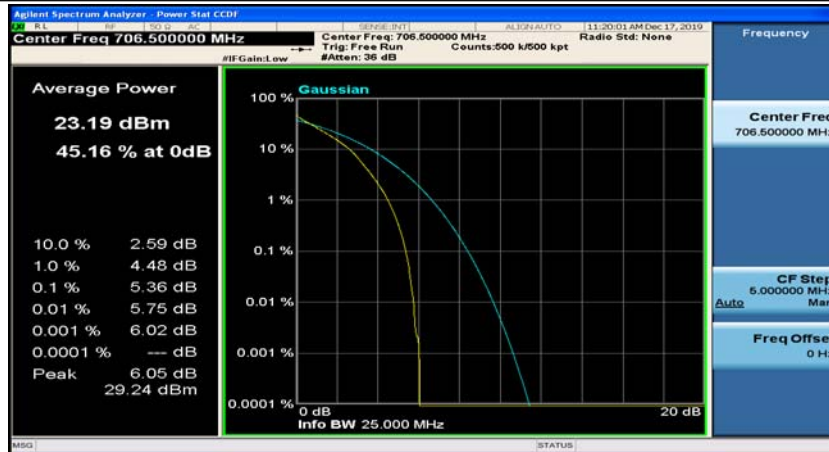
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12



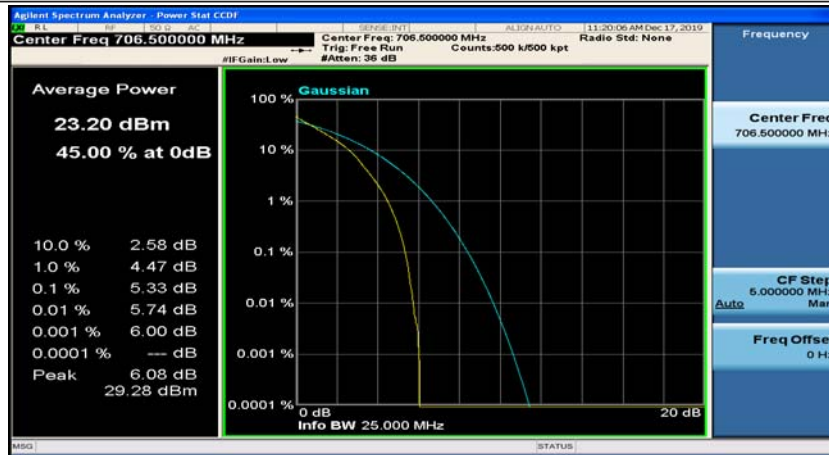
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24



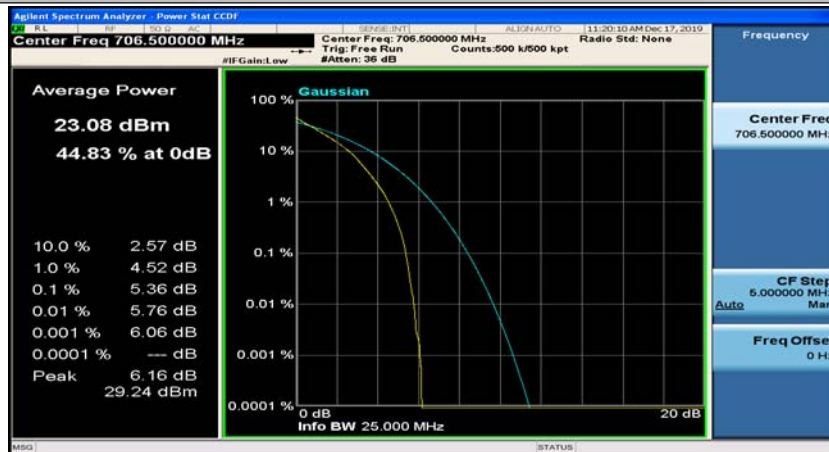
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



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



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

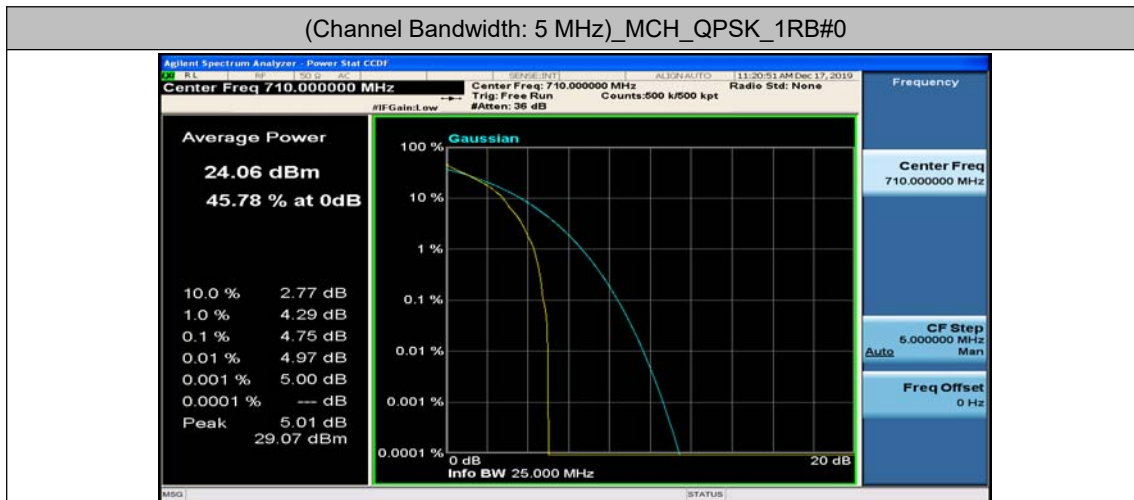


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0

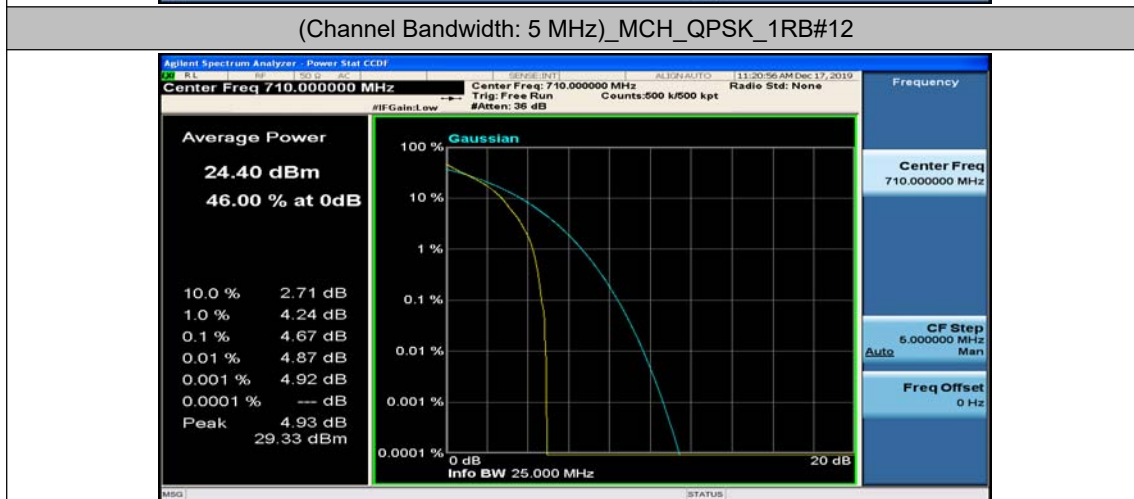




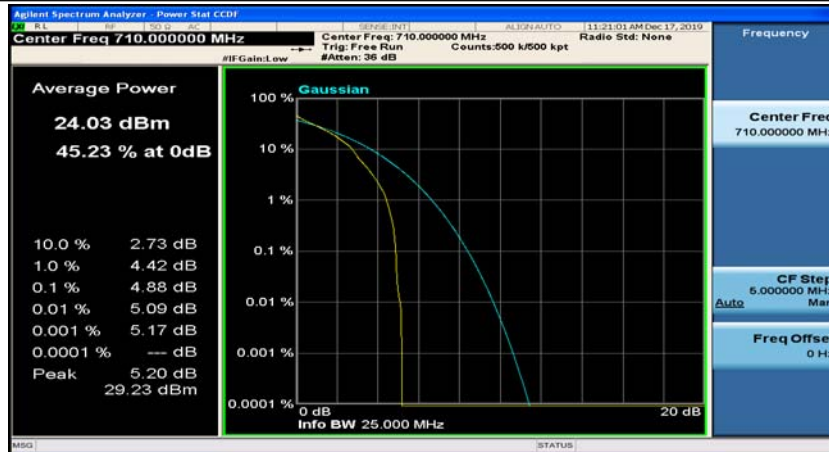
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



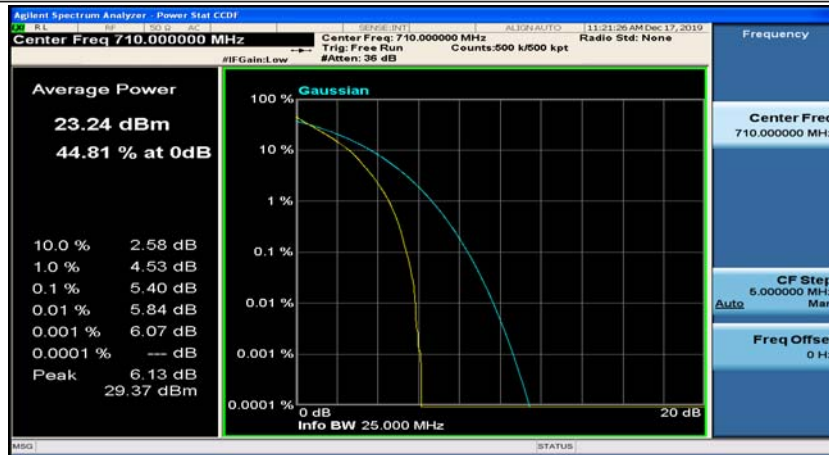
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12



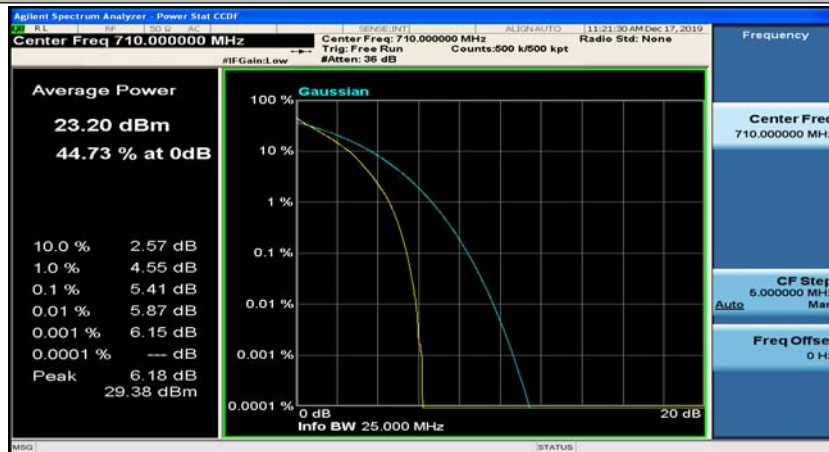
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#24



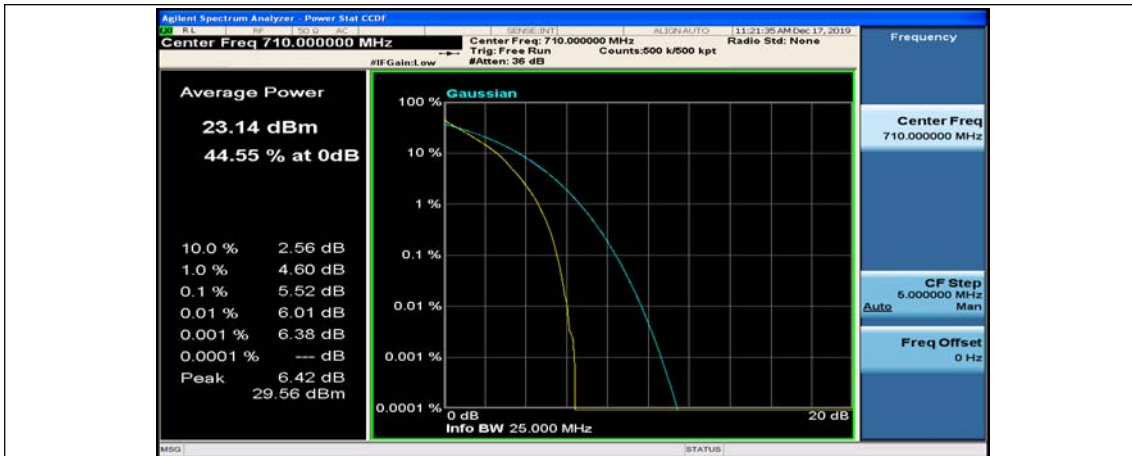
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#0



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



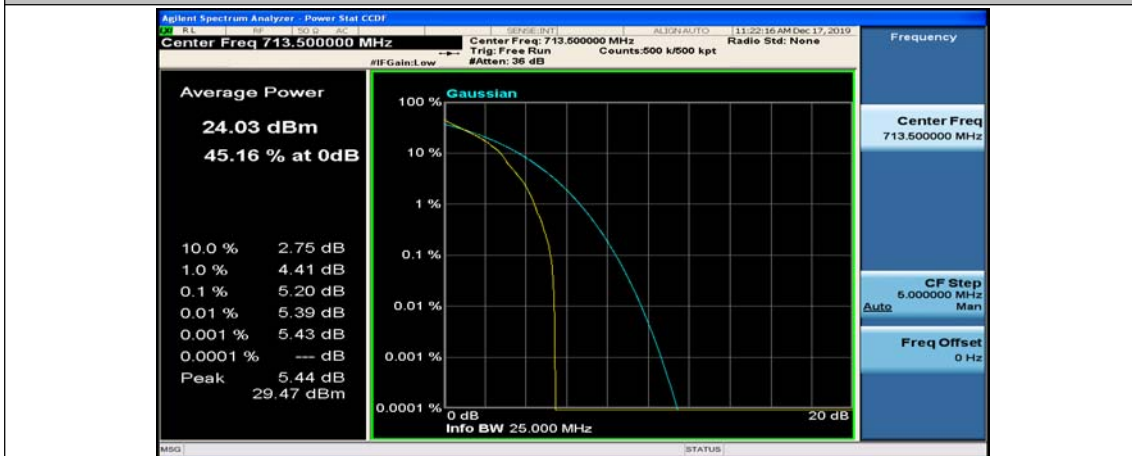
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_12RB#13



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



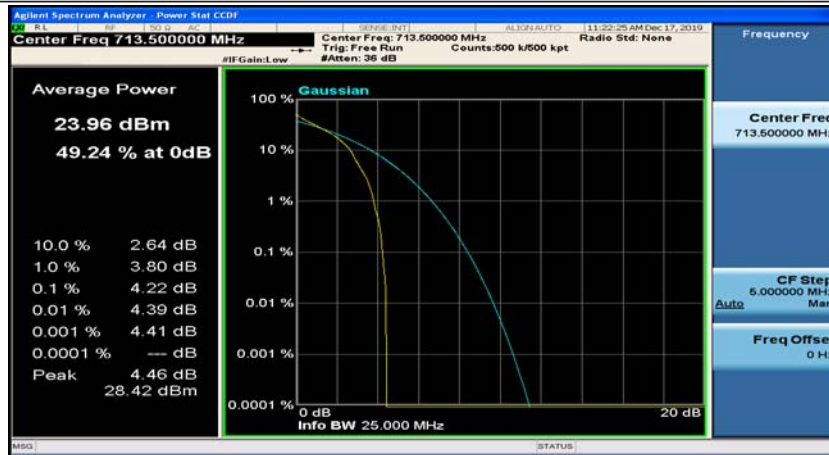
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



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



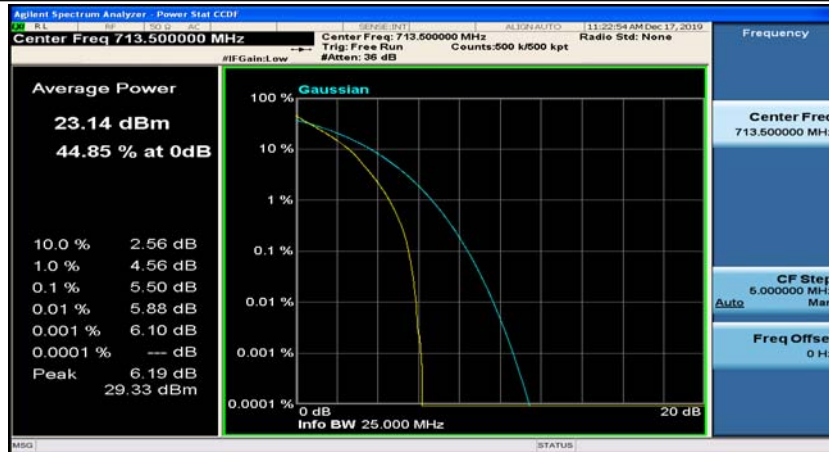
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



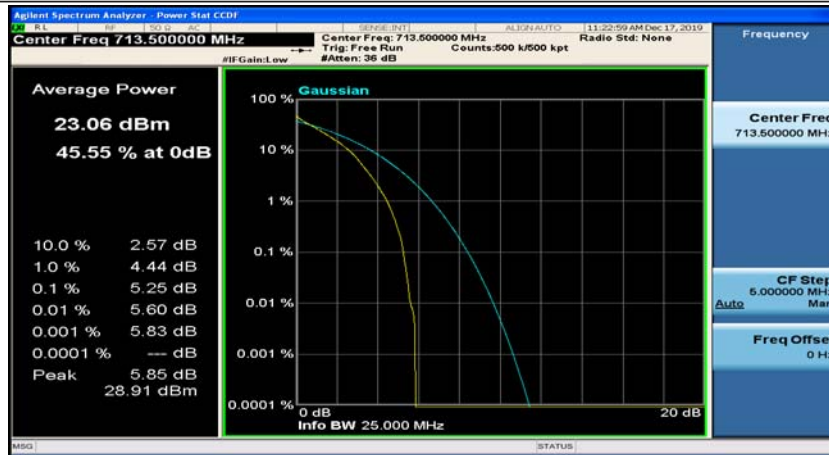
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#0



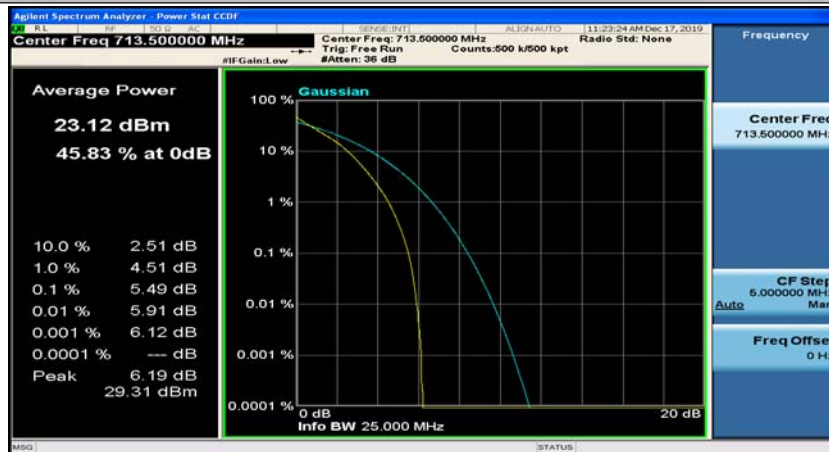
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



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

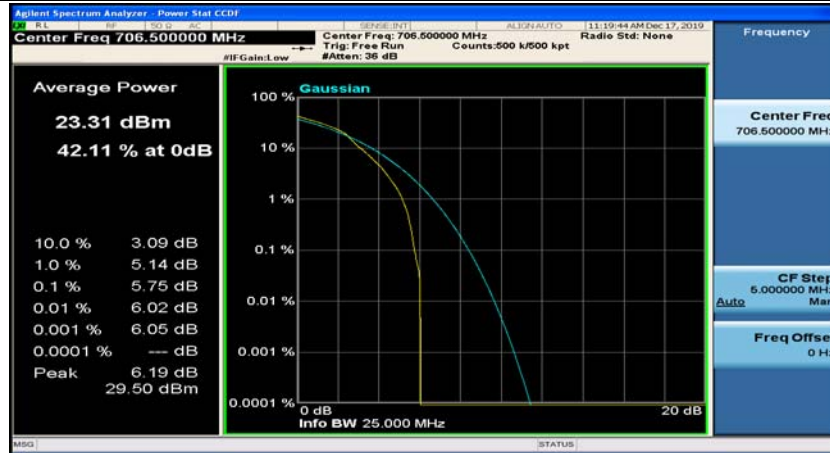


(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0





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



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



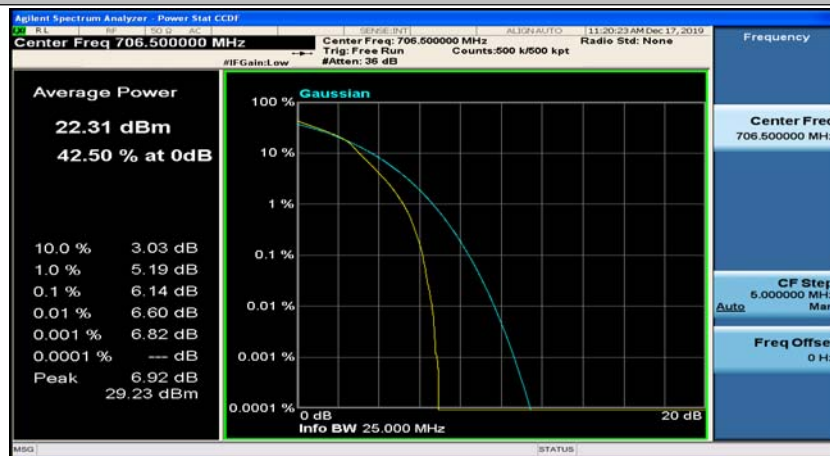
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#24



(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

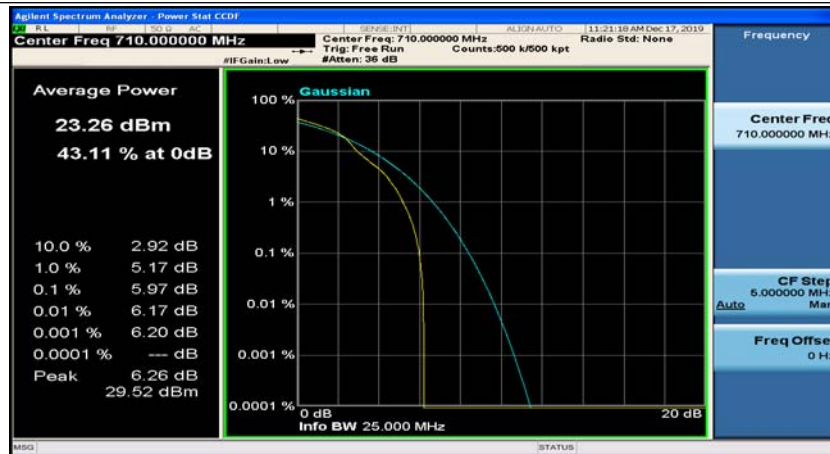


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



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

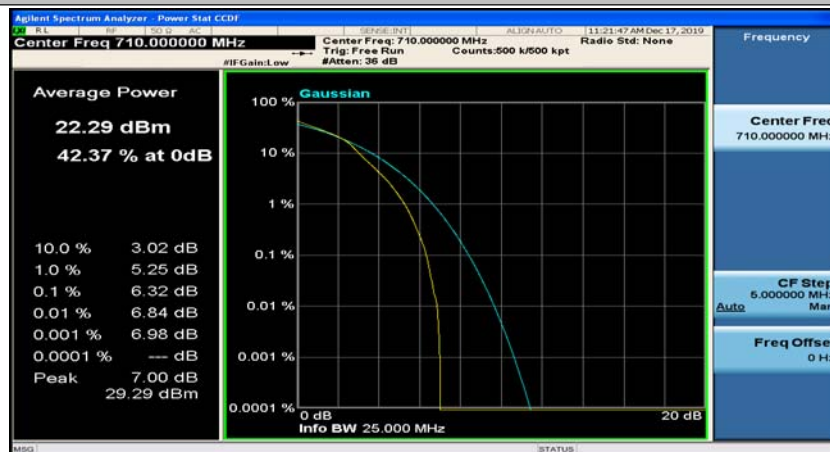




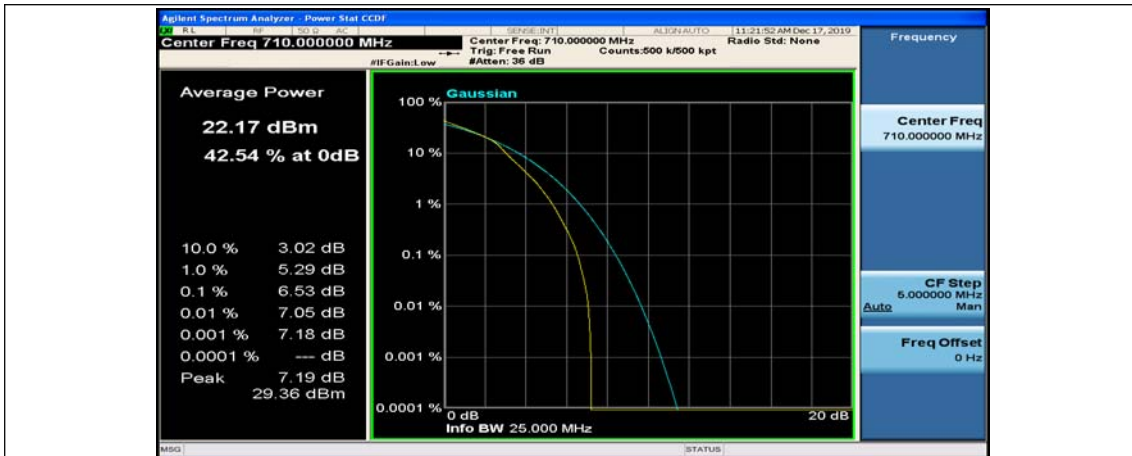
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_12RB#0



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



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



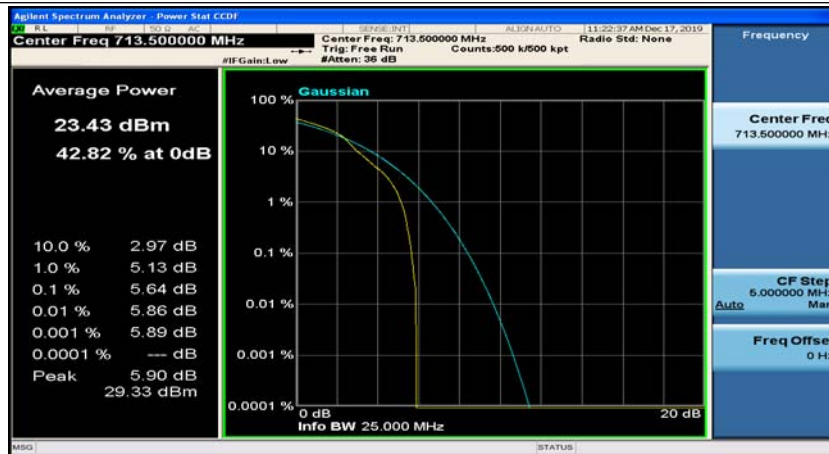
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_25RB#0



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



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



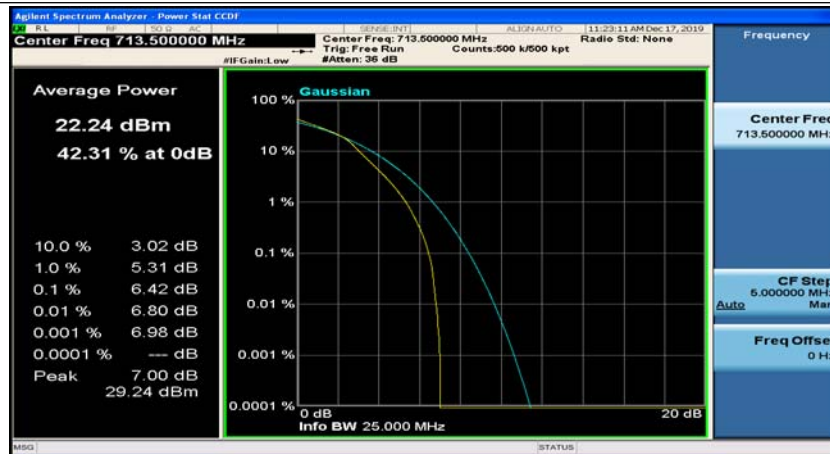
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#24



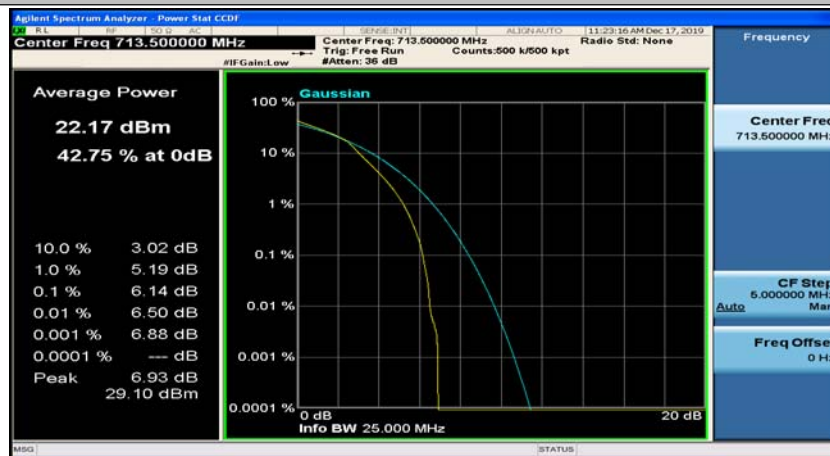
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#0



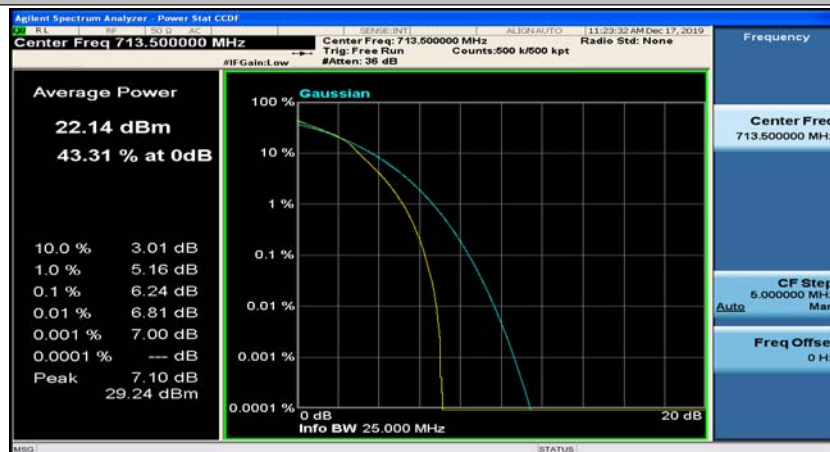
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_12RB#6



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

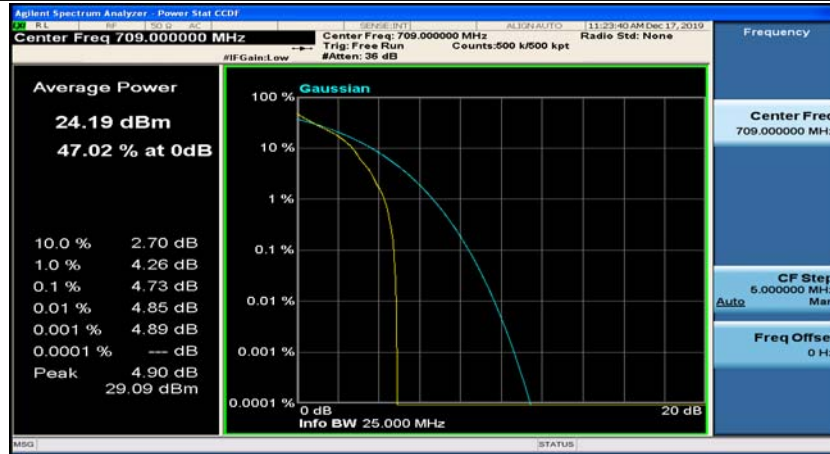


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



## Channel Bandwidth: 10 MHz

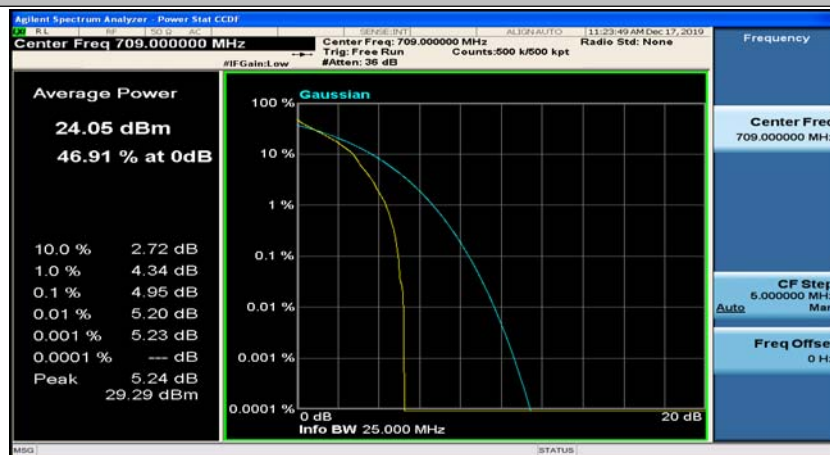
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#0



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

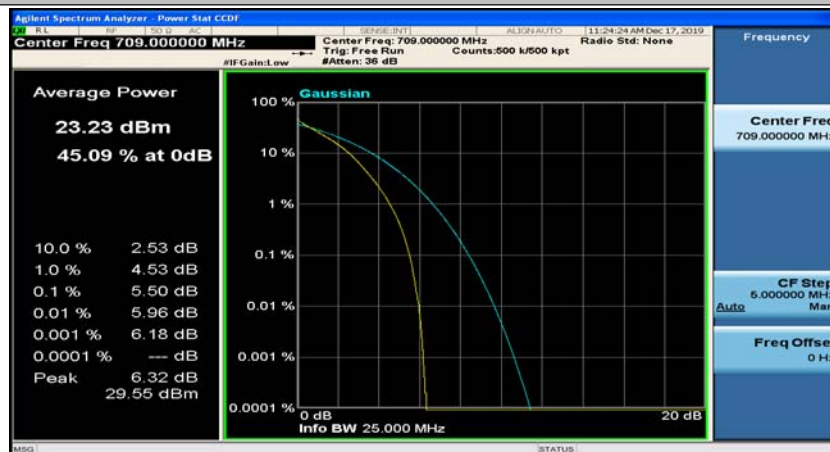
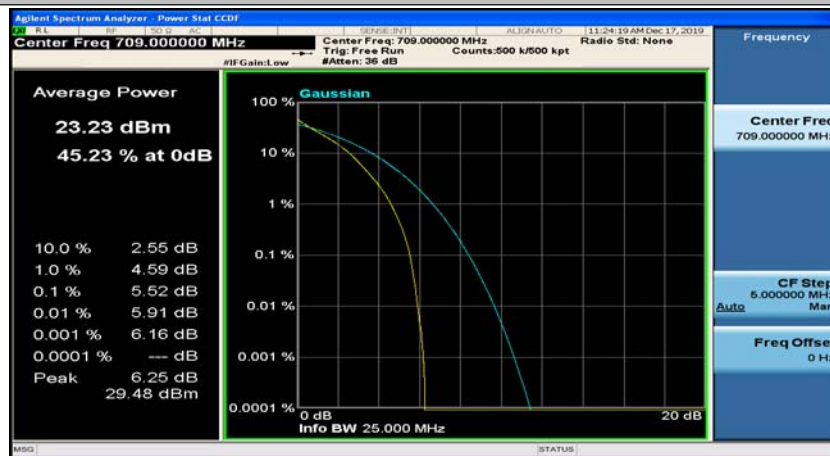
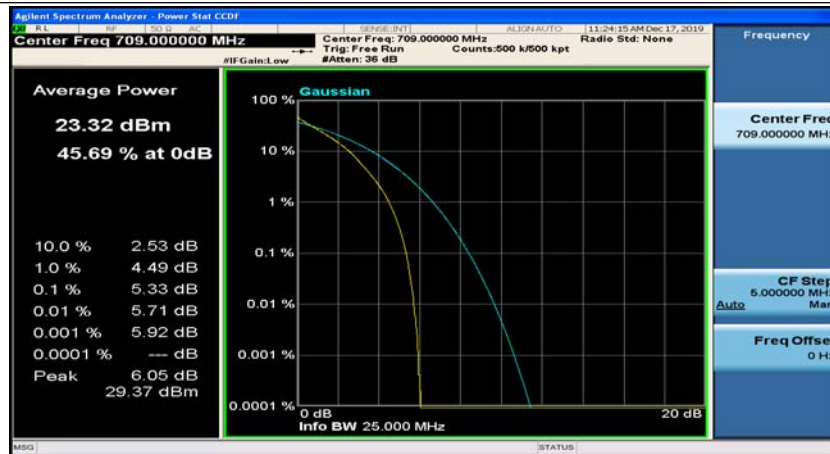


Channel Bandwidth: 10 MHz\_LCH\_QPSK\_1RB#49



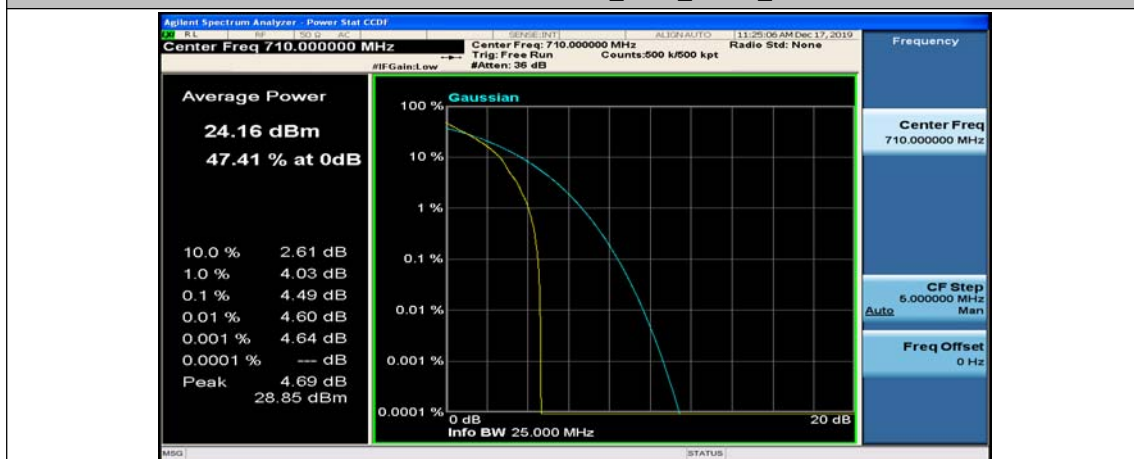
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_25RB#0



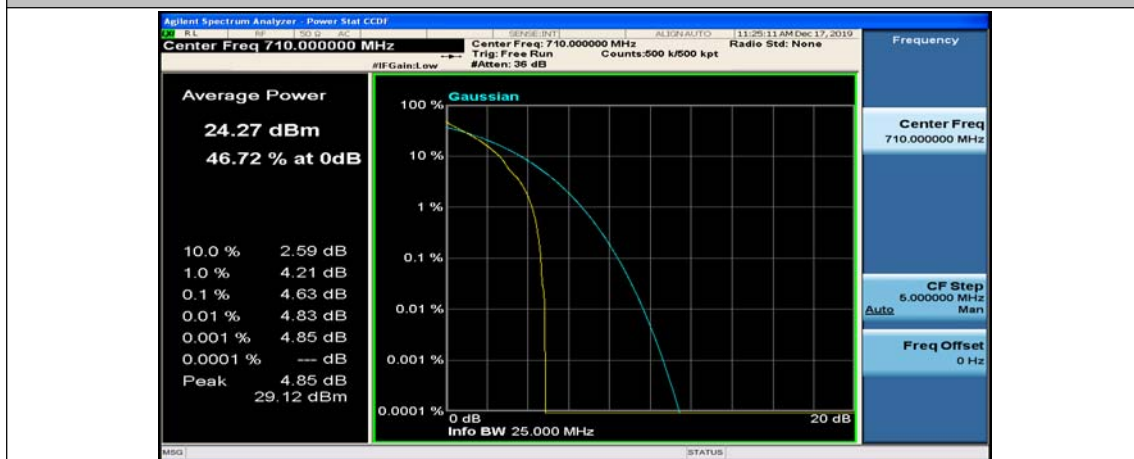




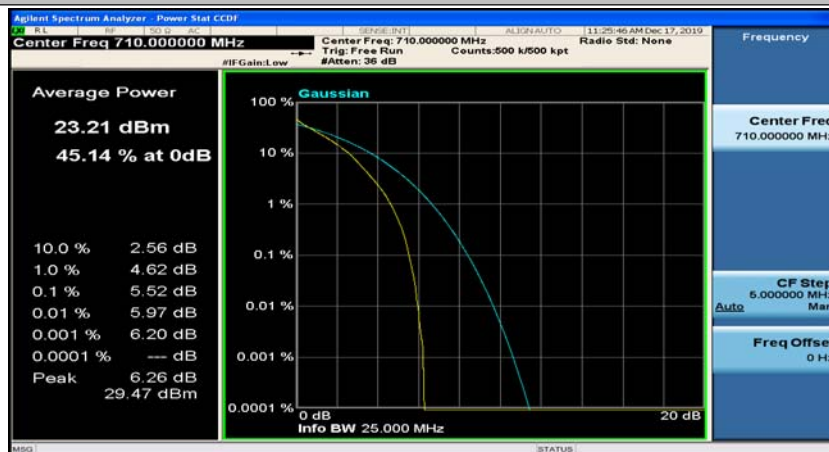
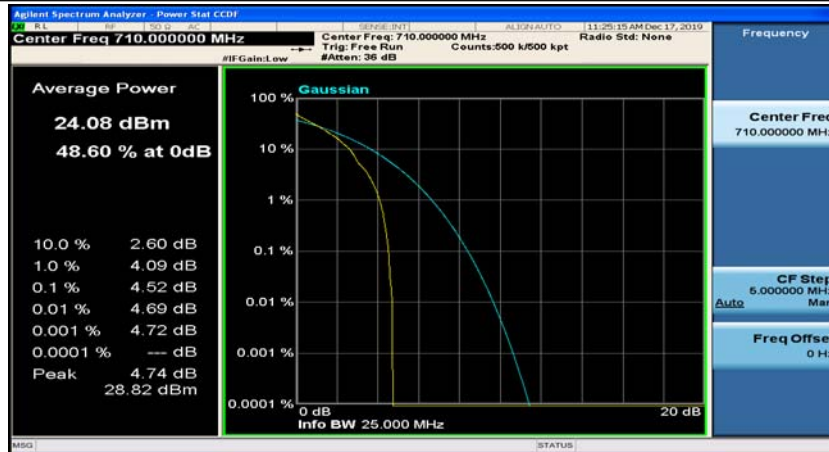
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



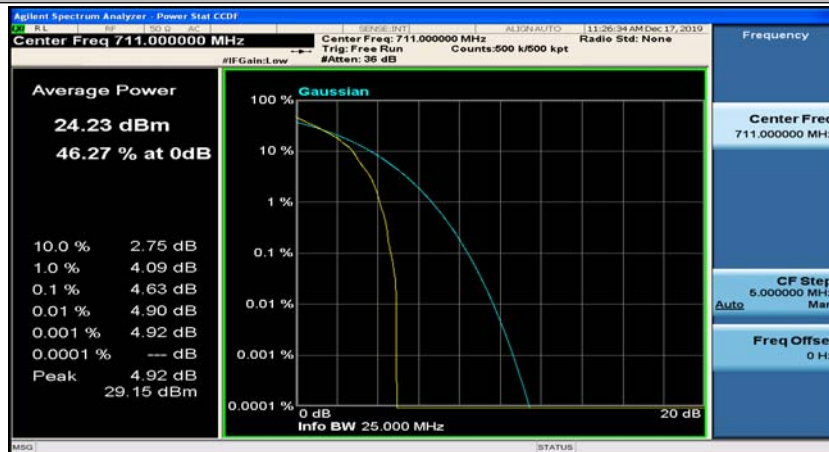
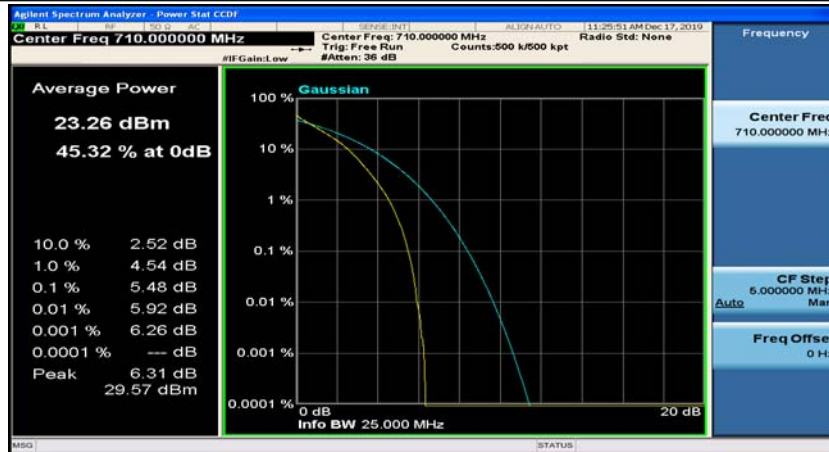
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#24



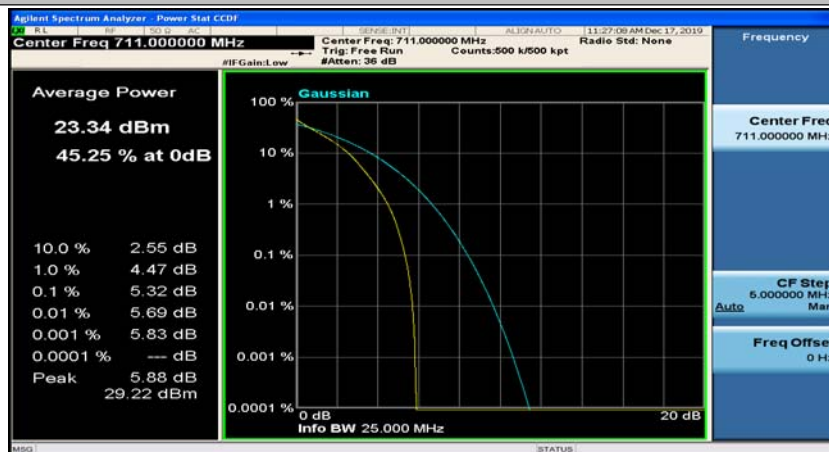
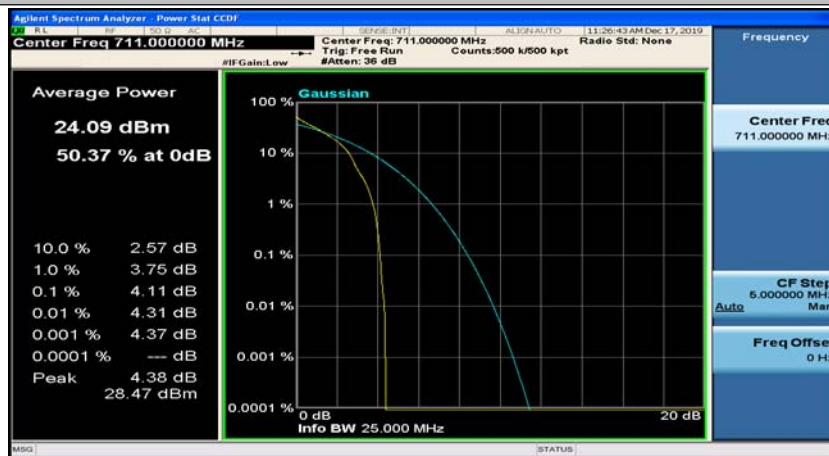
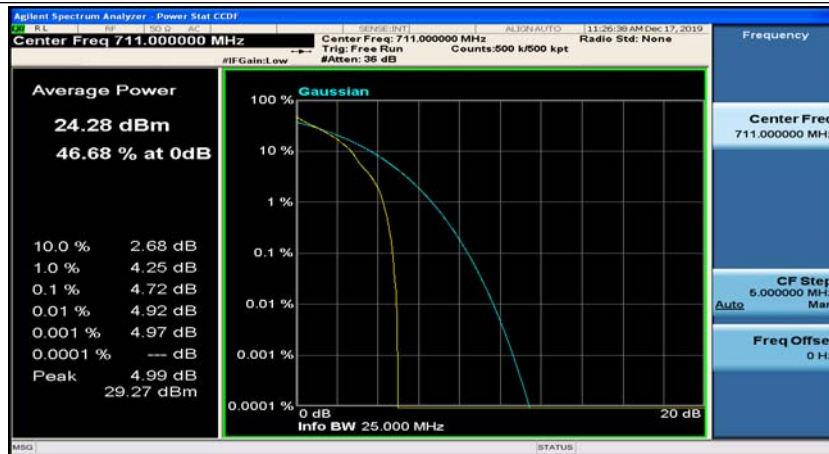
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49

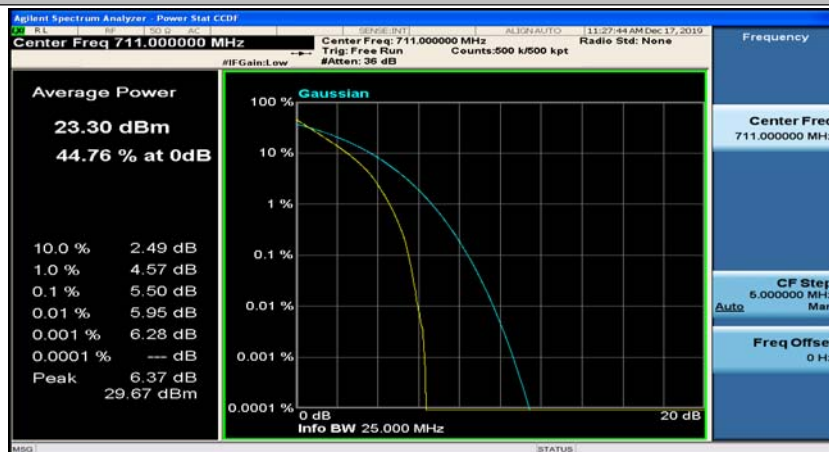
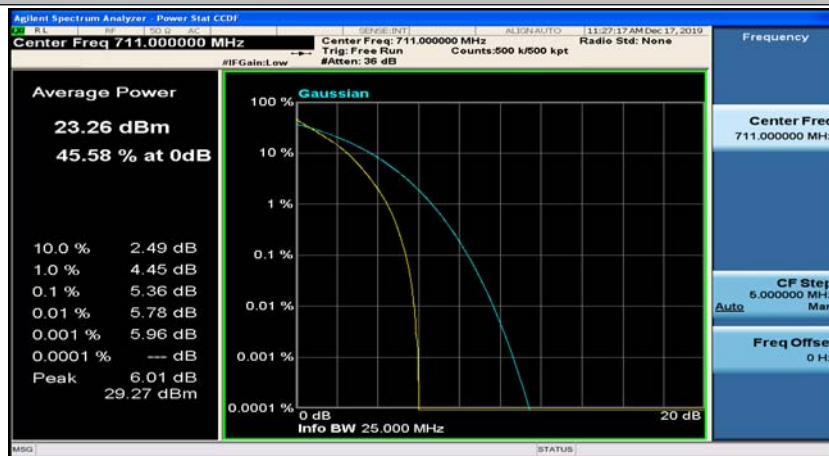
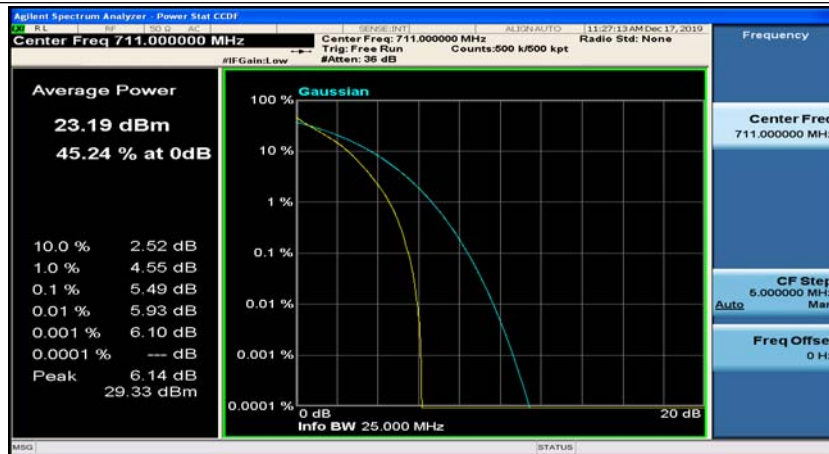




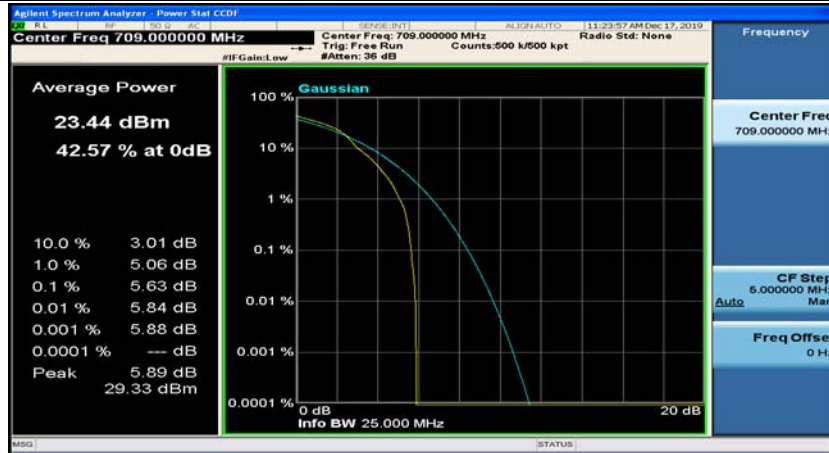


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24

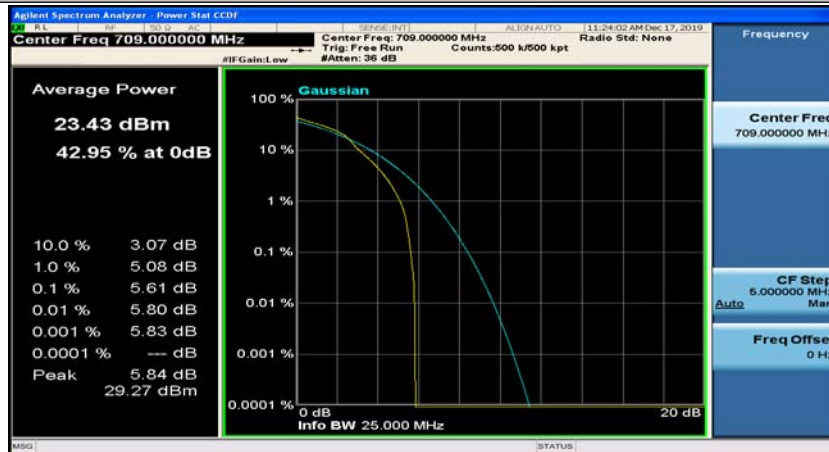




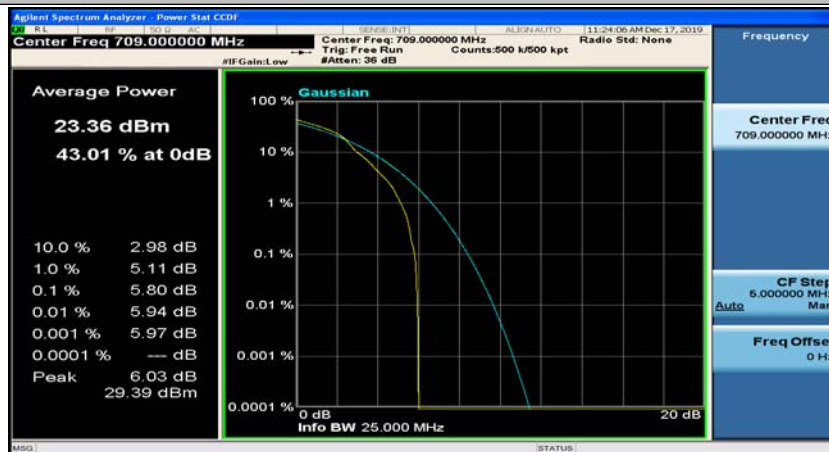
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



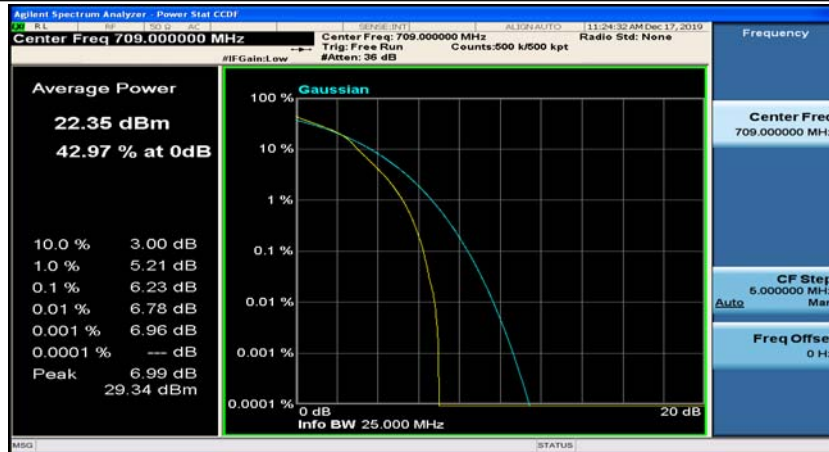
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



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



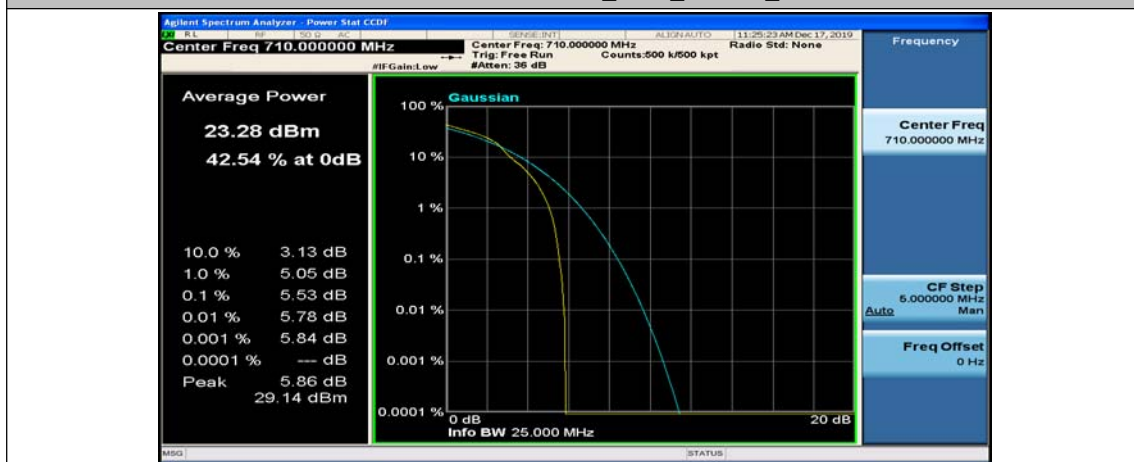
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0







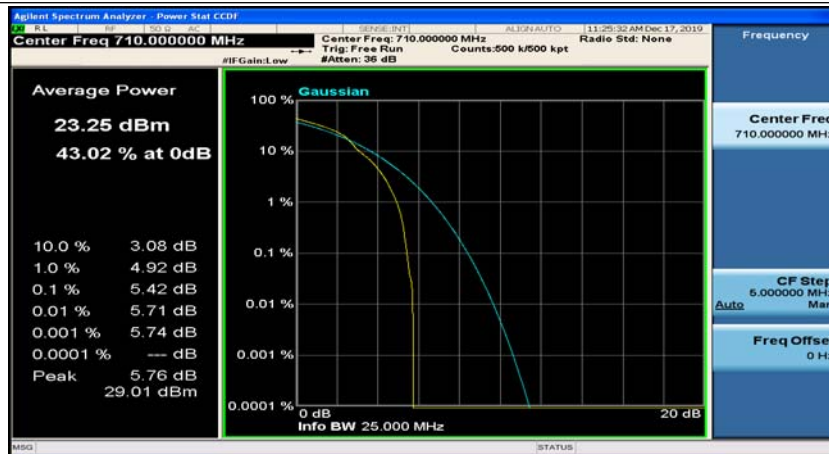
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0

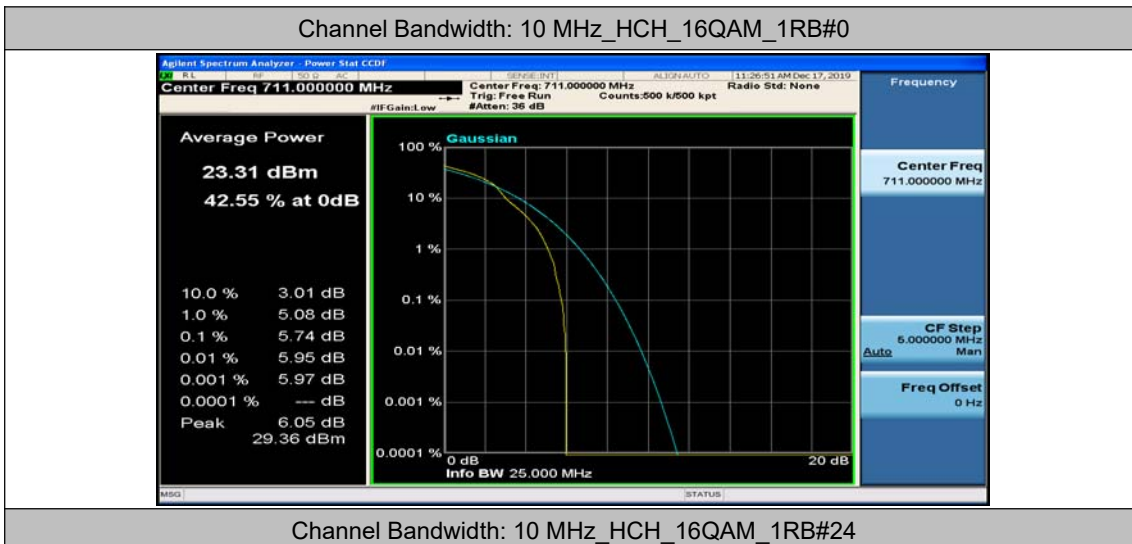
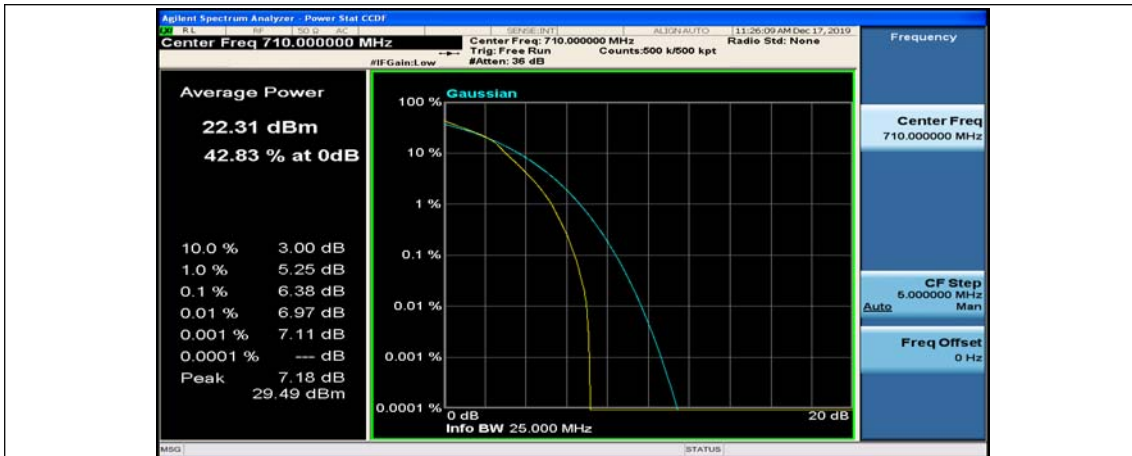


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



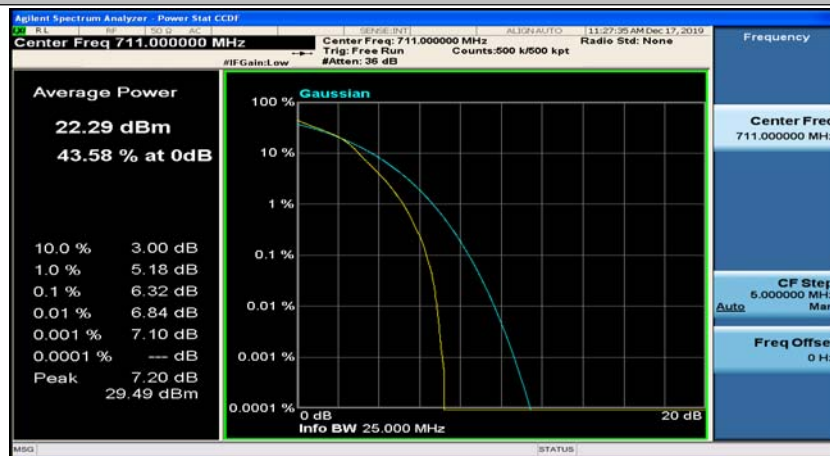
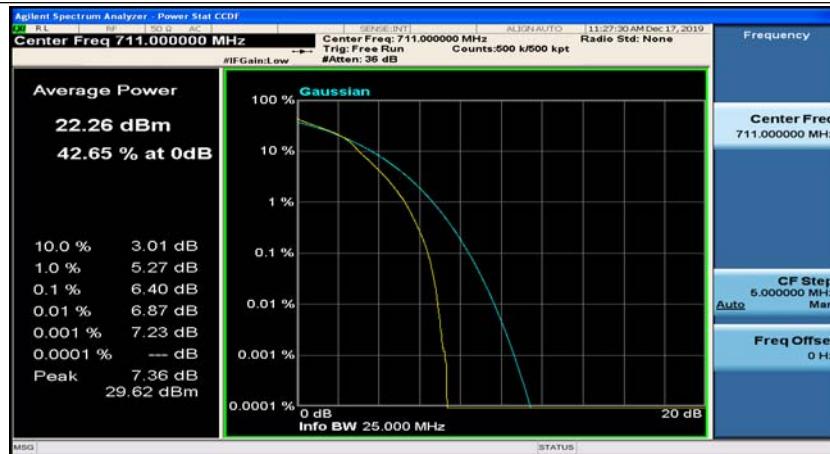
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49











## 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	4.4713	4.832	PASS
	MCH	25	0	4.4886	4.783	PASS
	HCH	25	0	4.4818	4.891	PASS
16QAM	LCH	25	0	4.4758	4.827	PASS
	MCH	25	0	4.4836	4.848	PASS
	HCH	25	0	4.4743	4.851	PASS

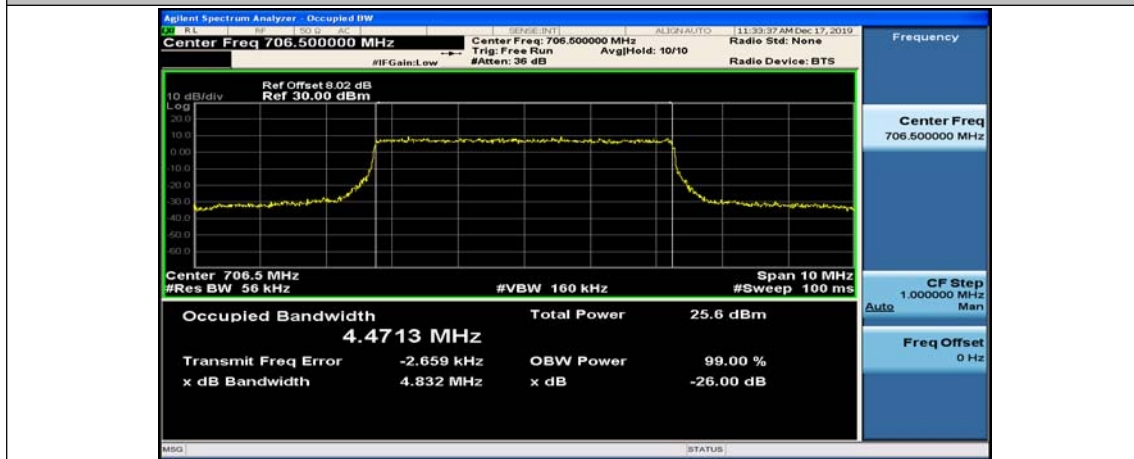
#### Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9578	9.466	PASS
	MCH	50	0	8.9509	9.480	PASS
	HCH	50	0	8.9536	9.556	PASS
16QAM	LCH	50	0	8.9519	9.522	PASS
	MCH	50	0	8.9618	9.553	PASS
	HCH	50	0	8.9485	9.562	PASS

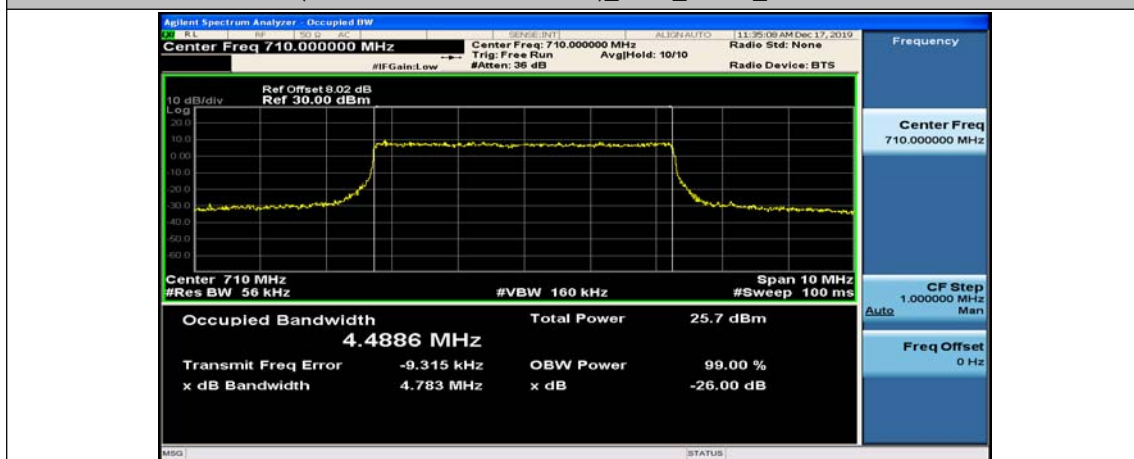
## Test Graphs

### Channel Bandwidth: 5 MHz

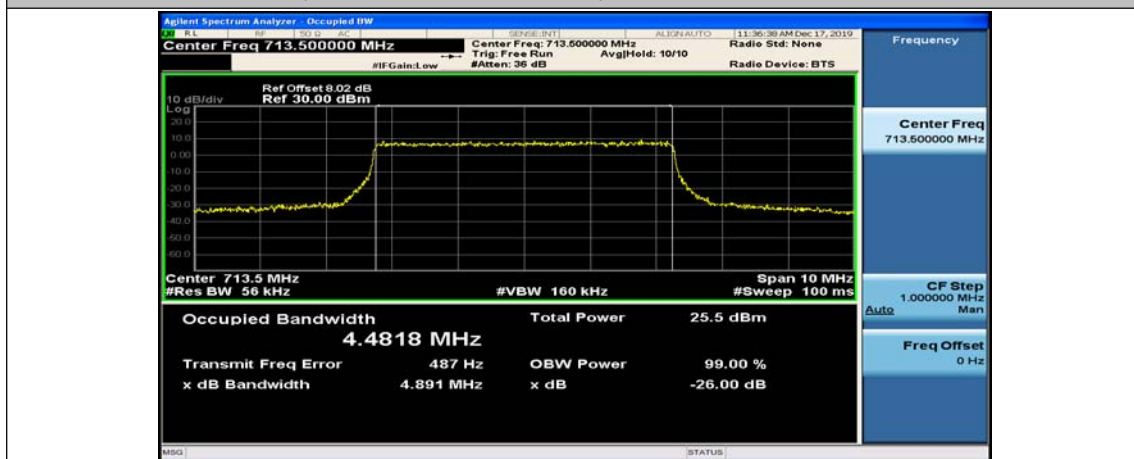
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



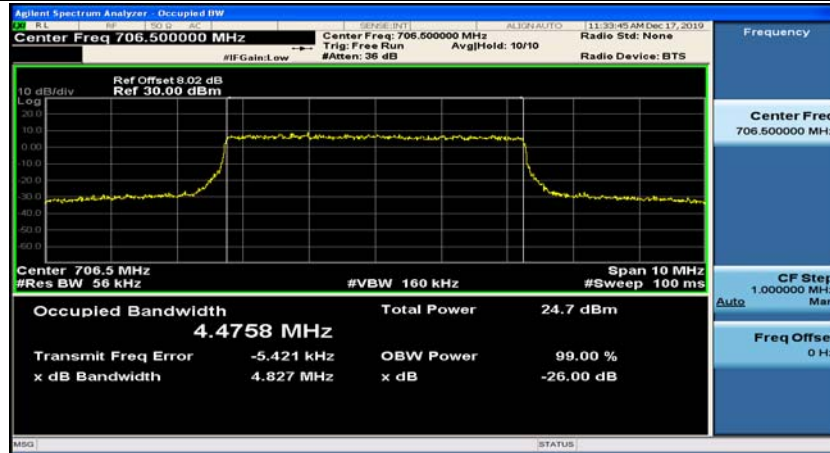
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_25RB#0



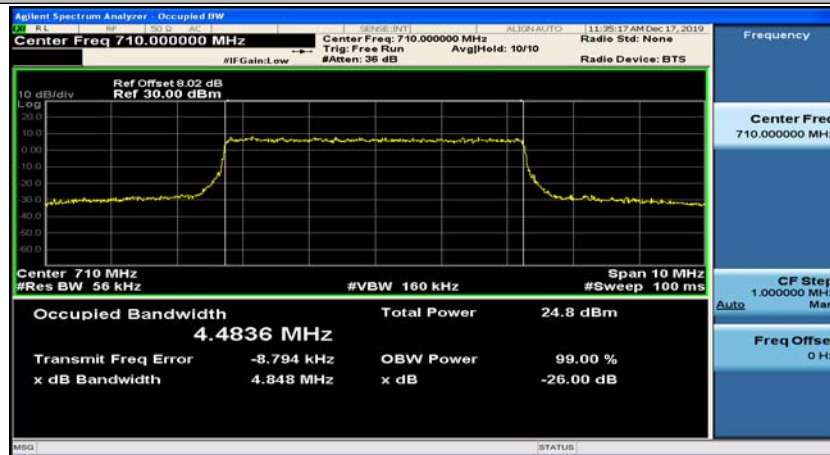
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



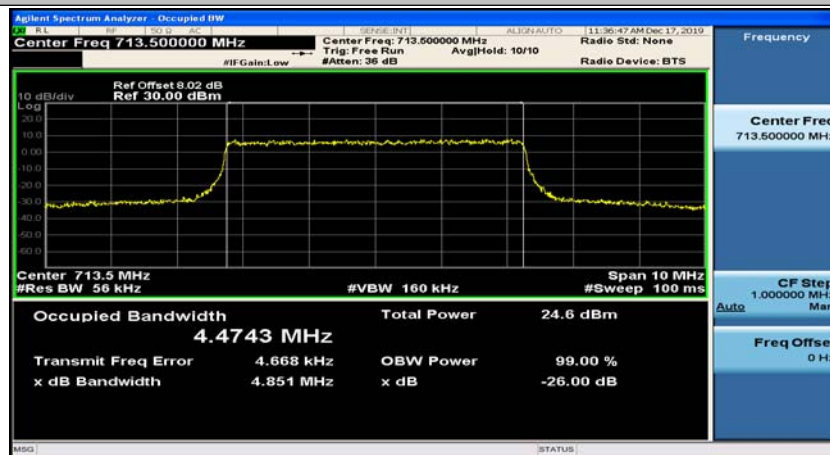
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0



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



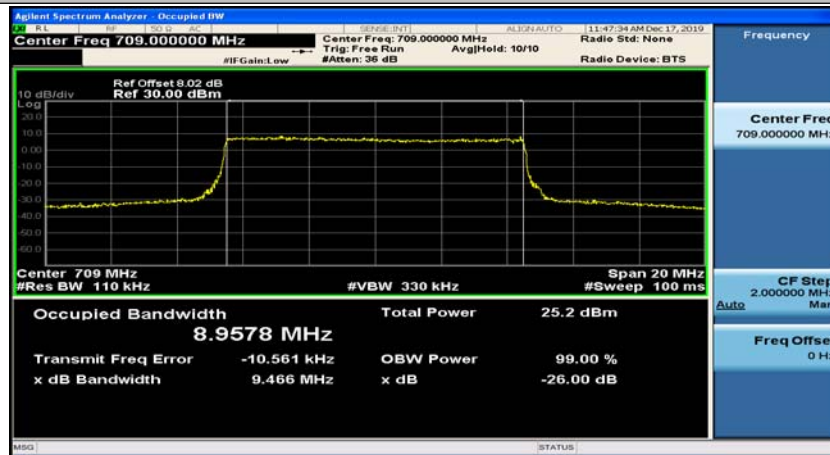
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0



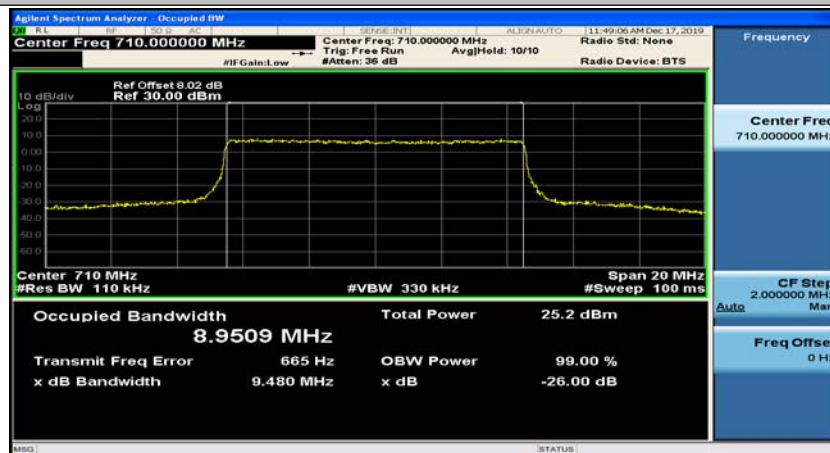


## Channel Bandwidth: 10 MHz

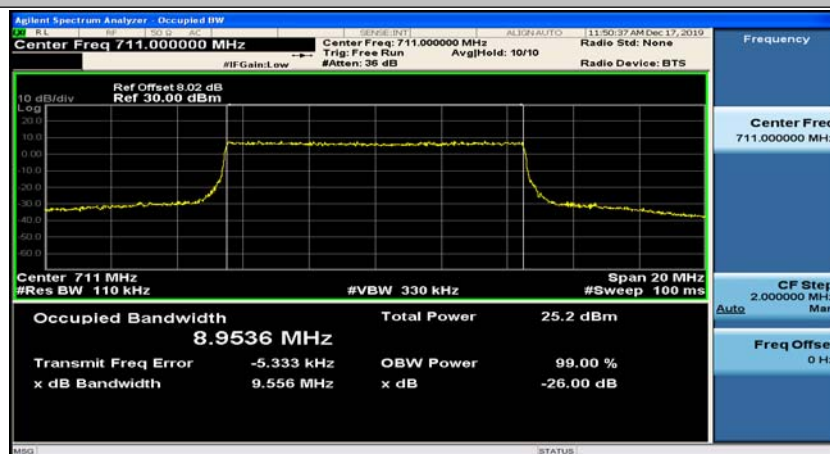
Channel Bandwidth: 10 MHz\_LCH\_QPSK\_50RB#0



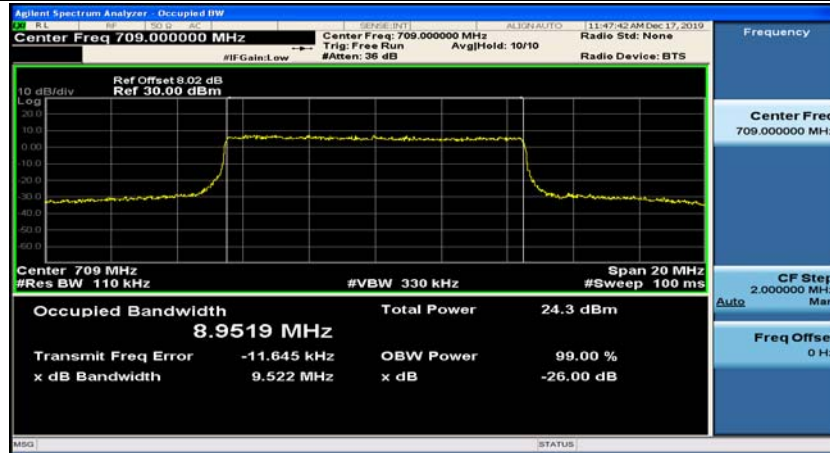
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_50RB#0



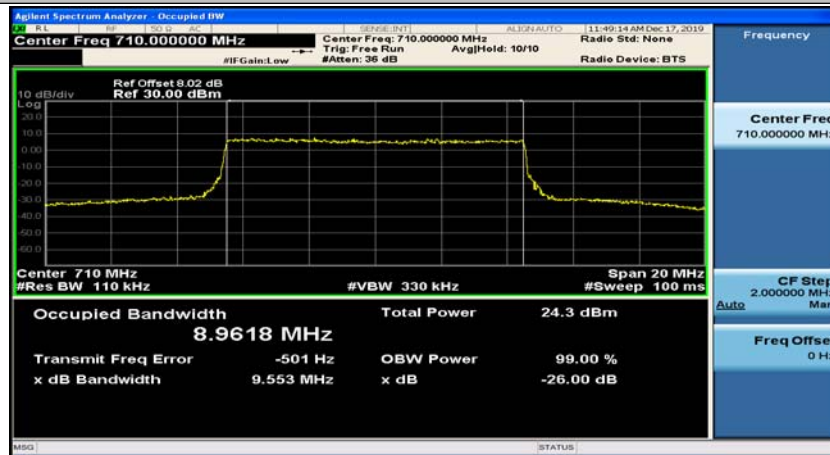
Channel Bandwidth: 10 MHz\_HCH\_QPSK\_50RB#0



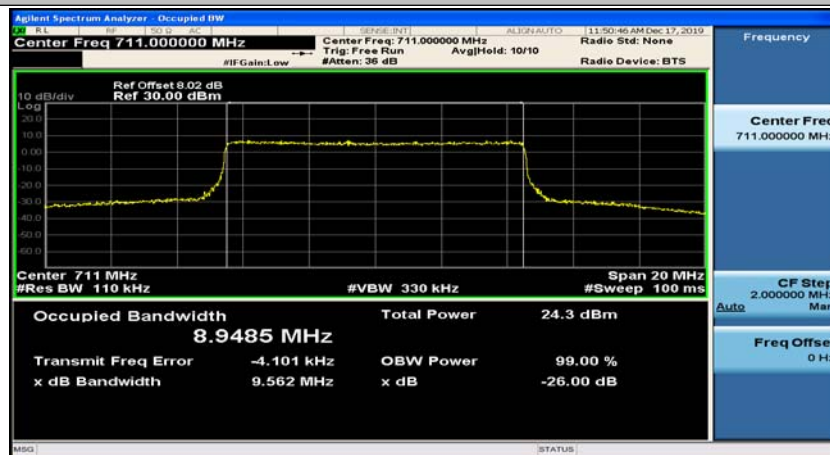
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



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



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

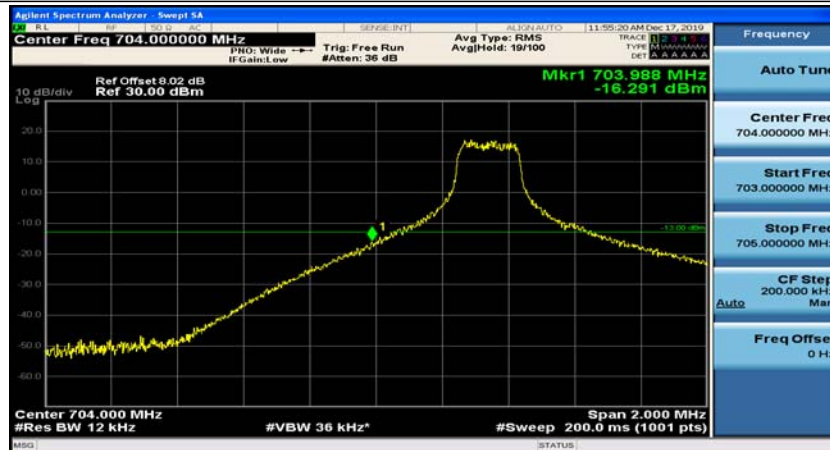


## Appendix D: Band Edge

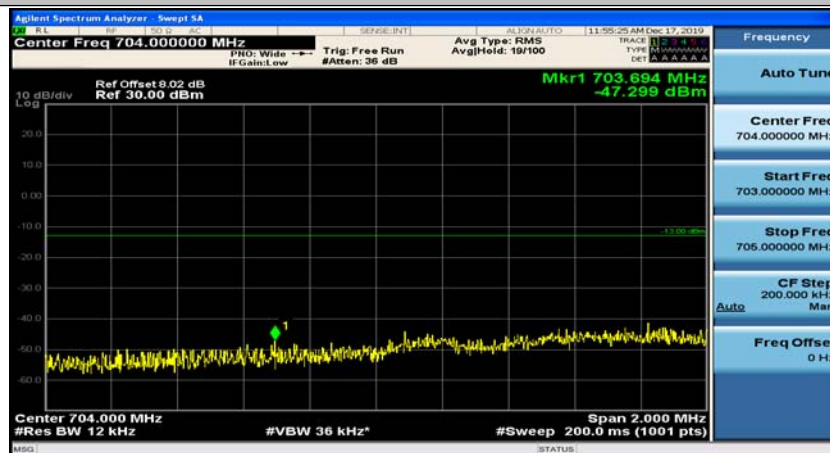
### Test Graphs

#### Channel Bandwidth: 5 MHz

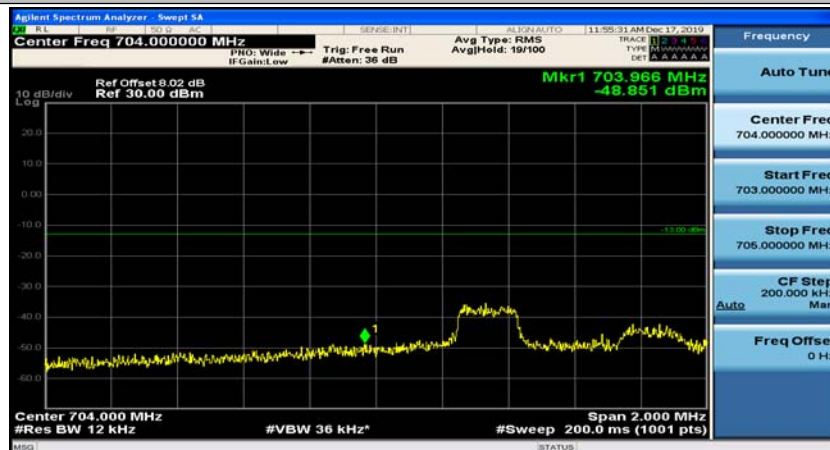
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0



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

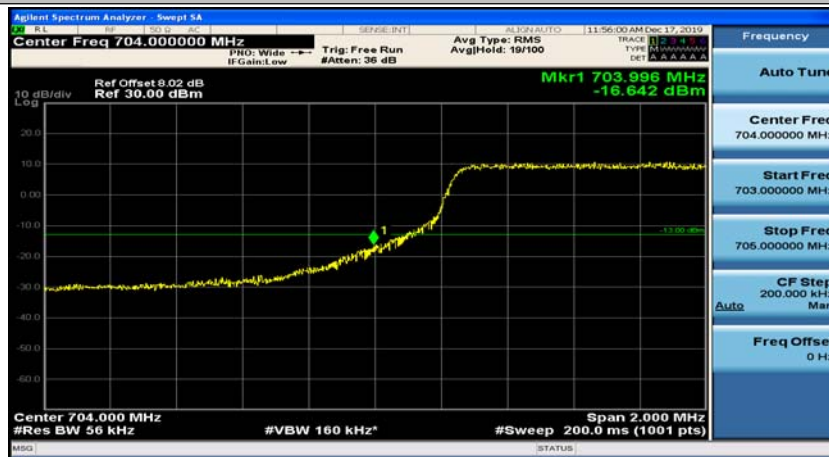


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#24

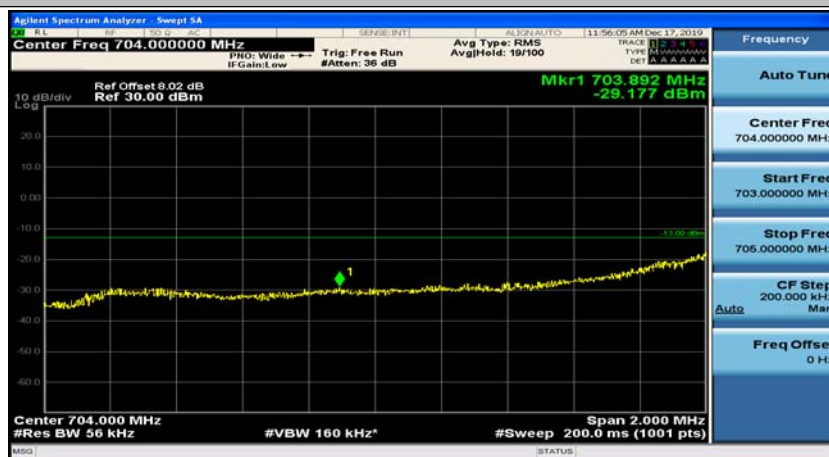




(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#0



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



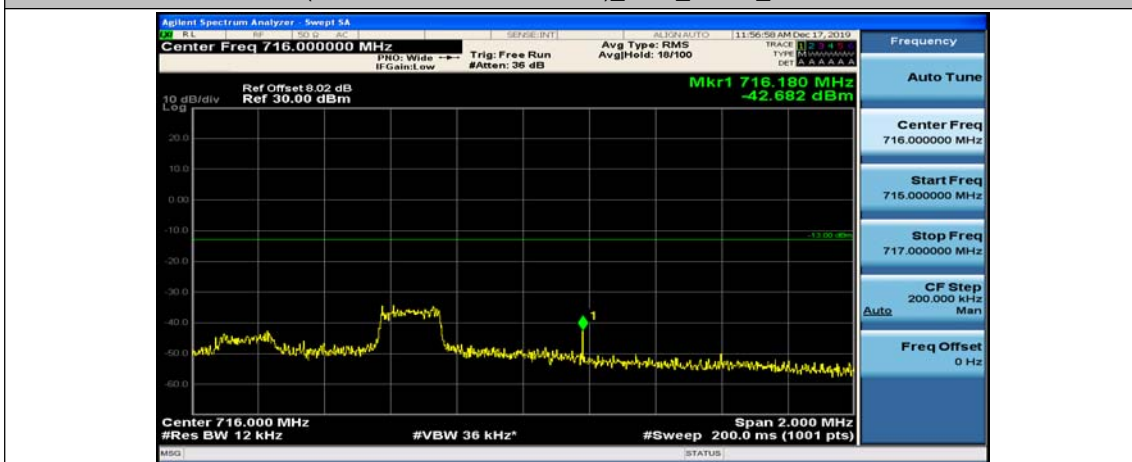
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_12RB#13



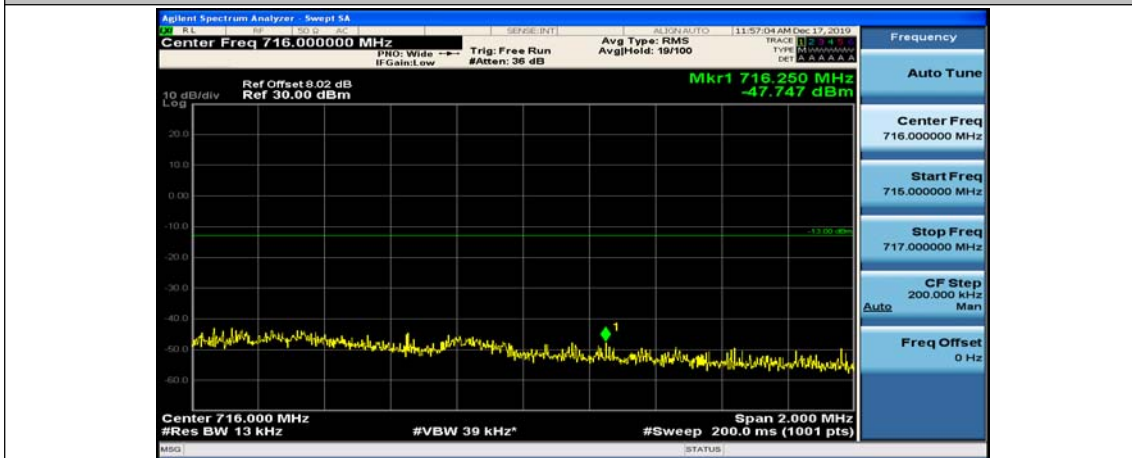
(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_25RB#0



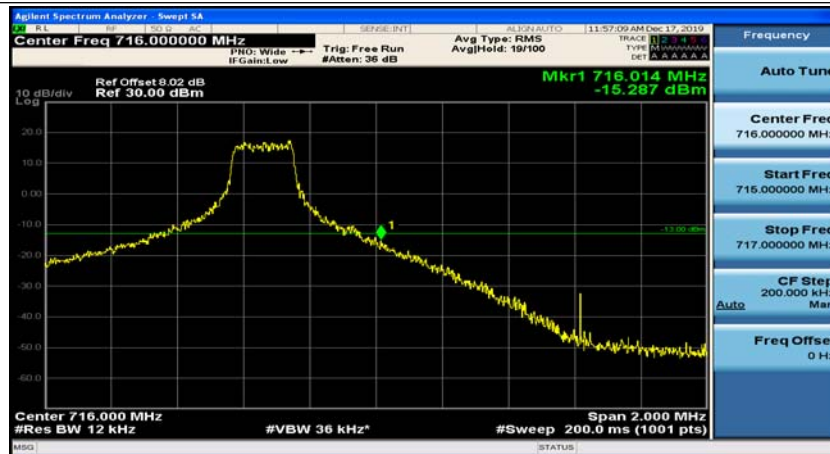
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



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



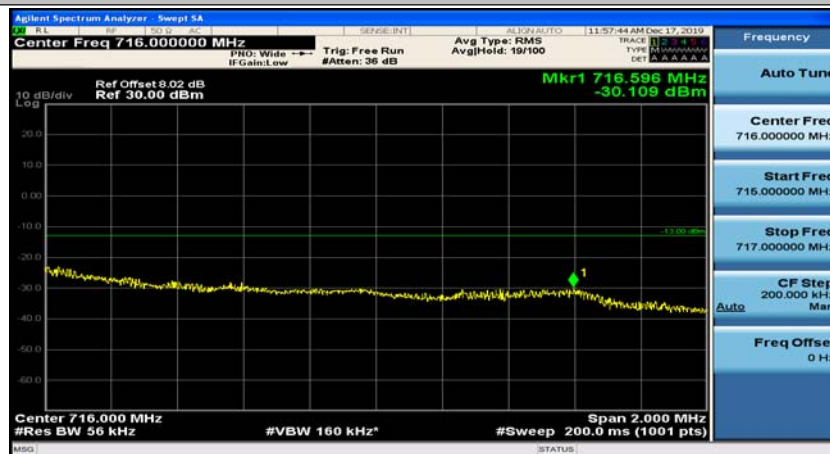
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#24



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



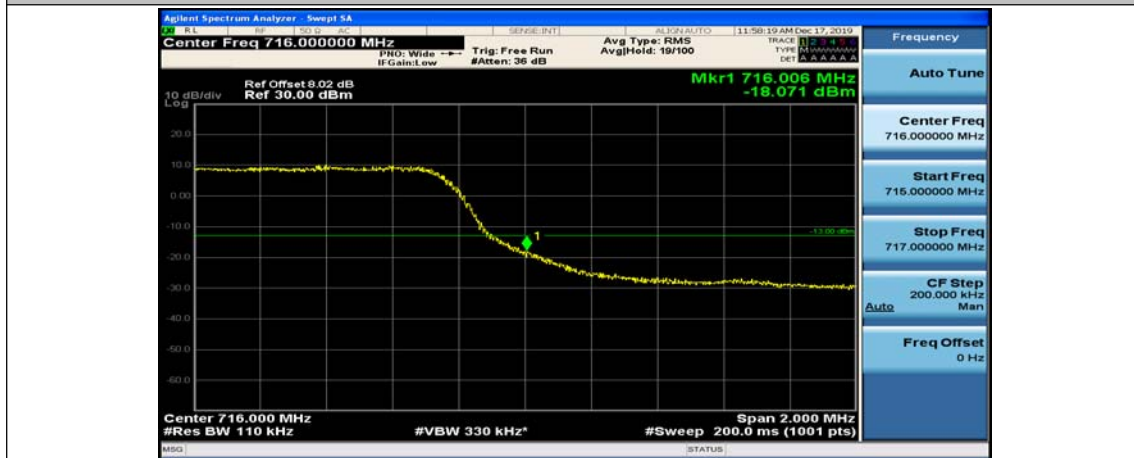
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_12RB#6



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



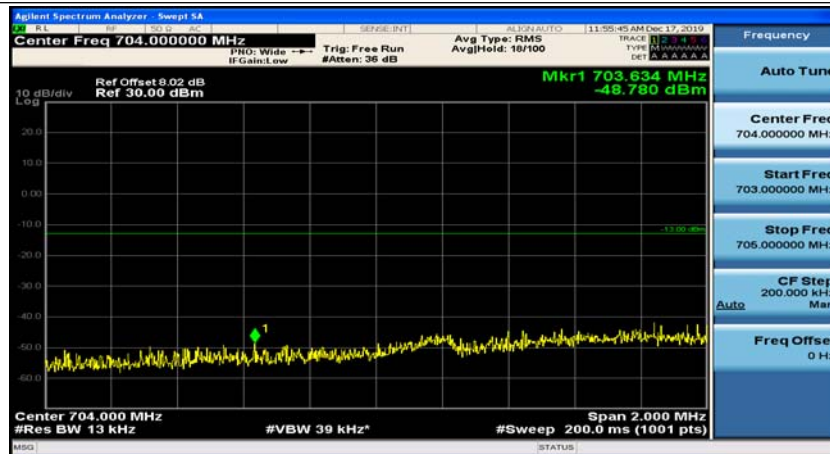
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_25RB#0



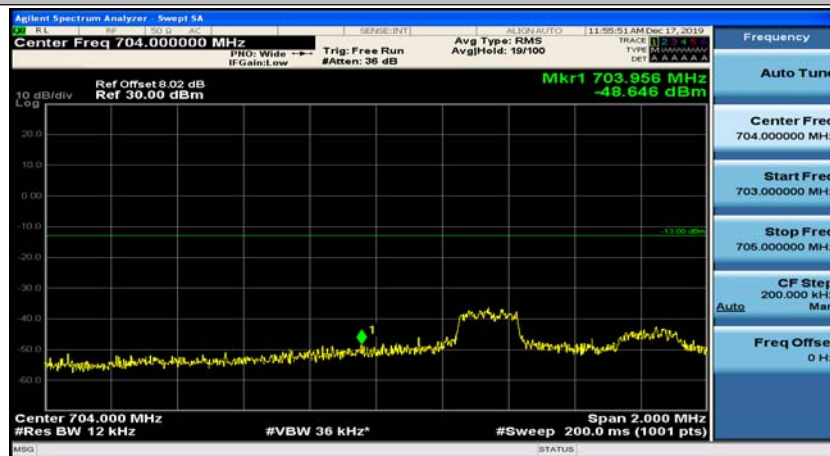
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



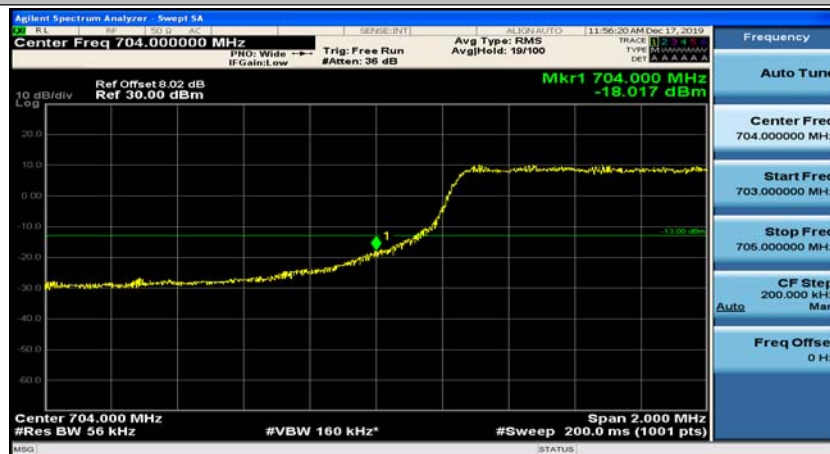
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



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

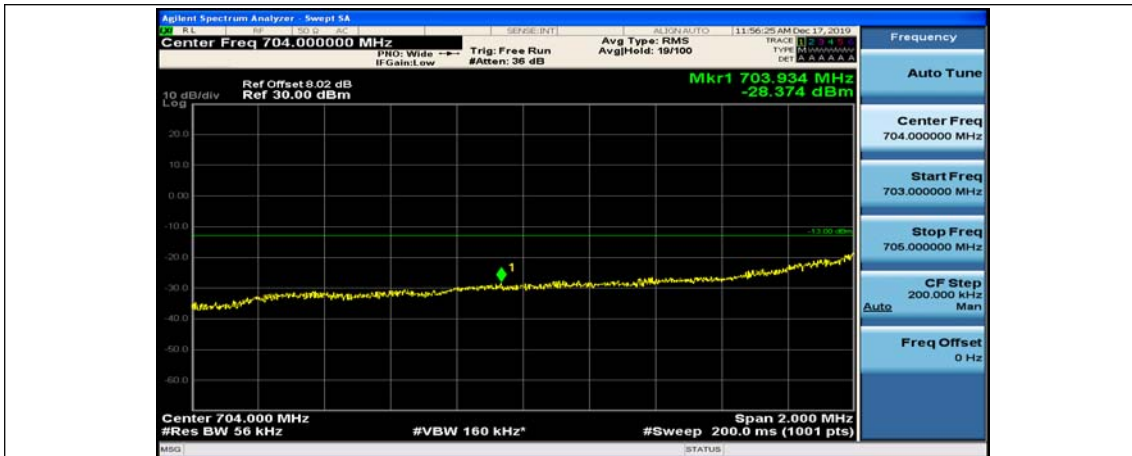


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#0

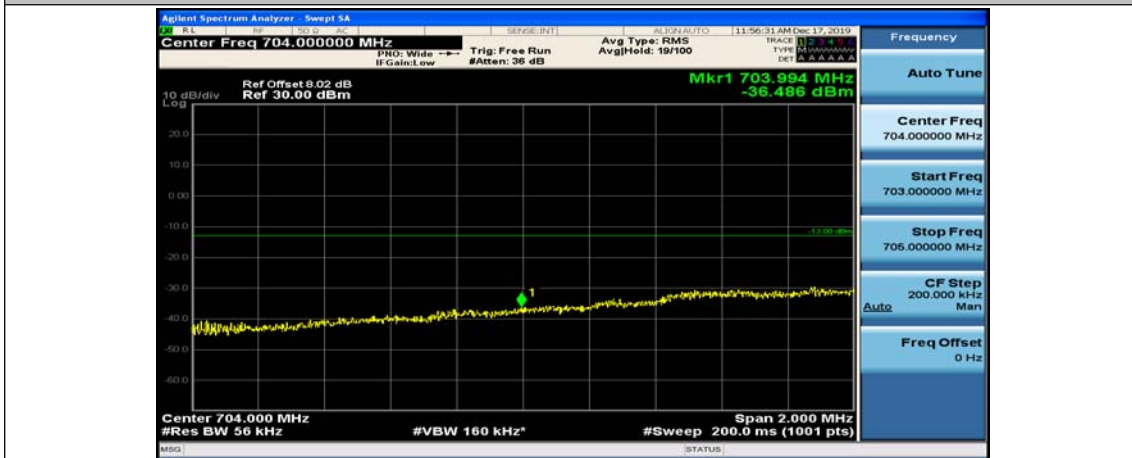


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#6

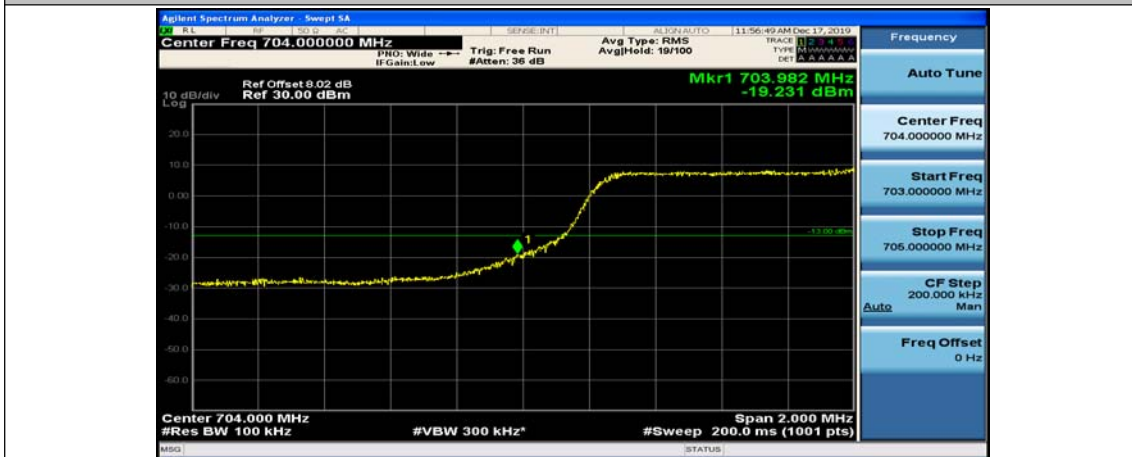




(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_12RB#13

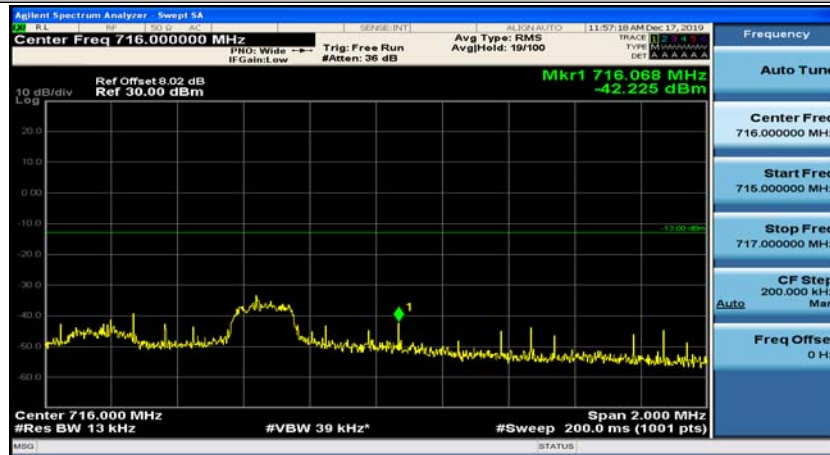


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_25RB#0

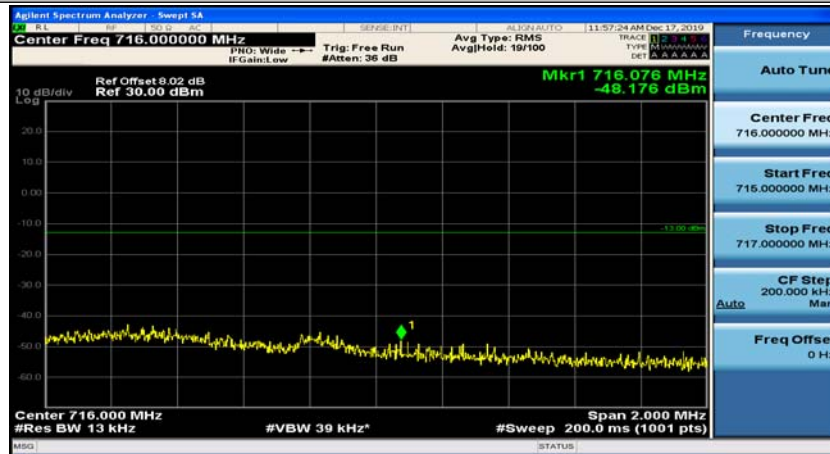




(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



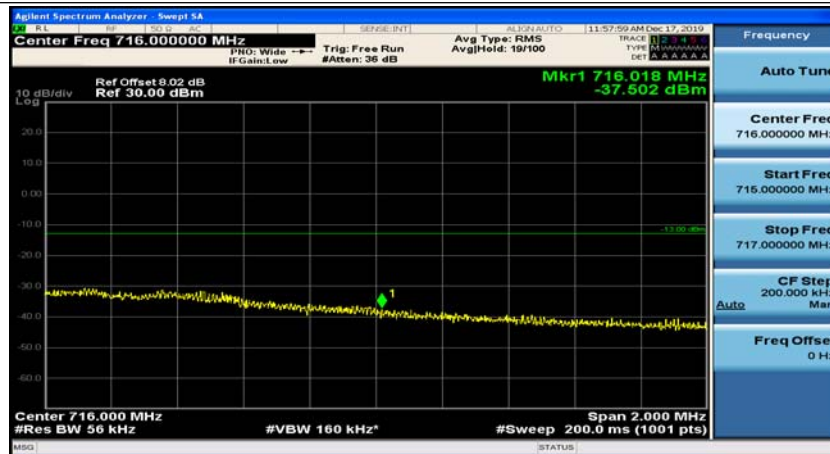
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12



(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

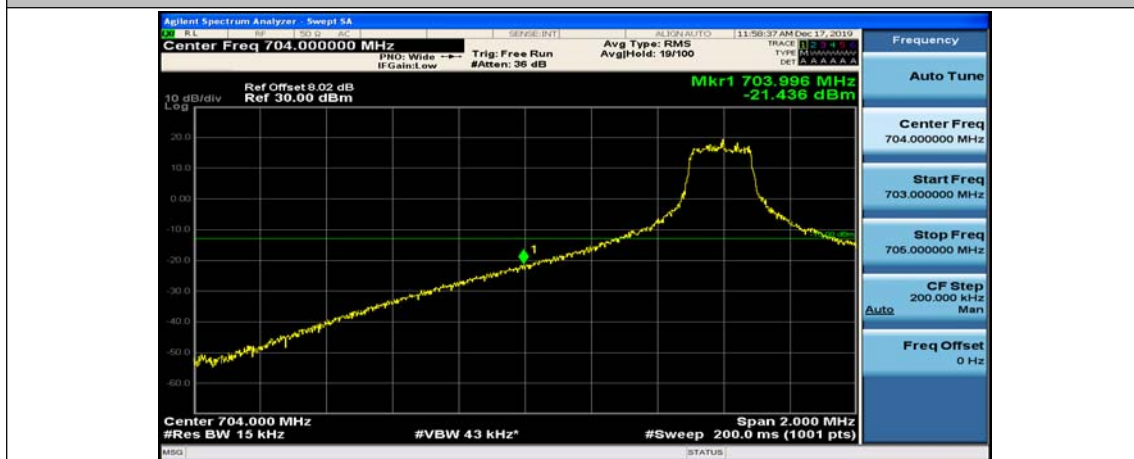


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_25RB#0

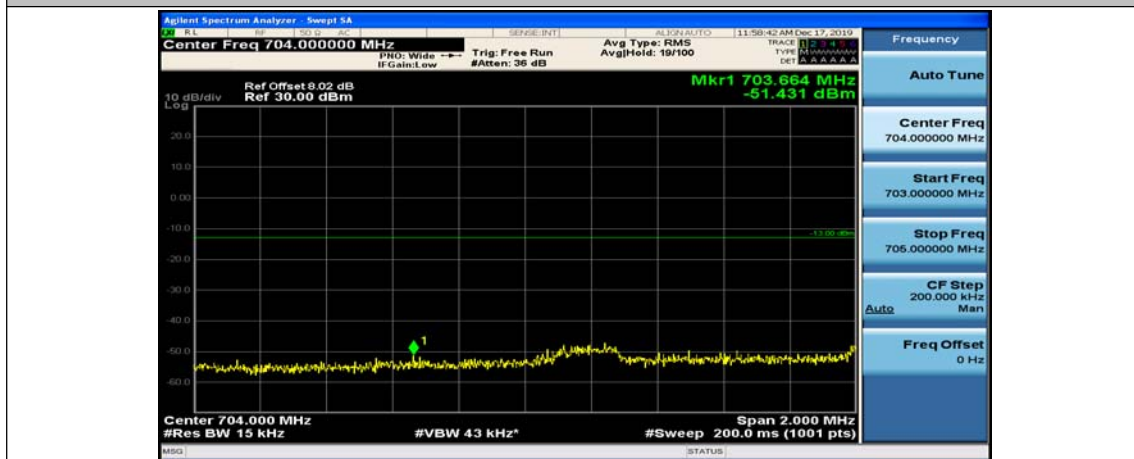


## Channel Bandwidth: 10 MHz

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



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



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