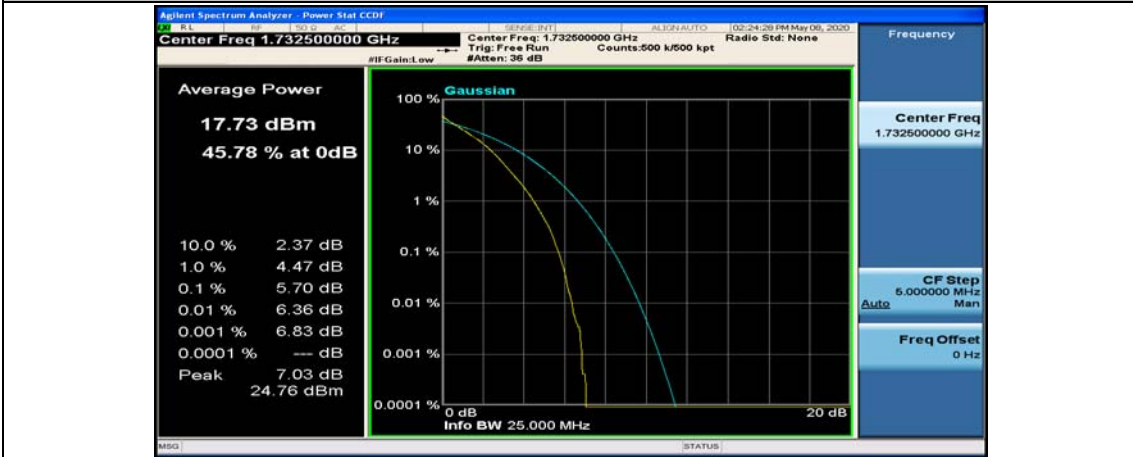




Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#0



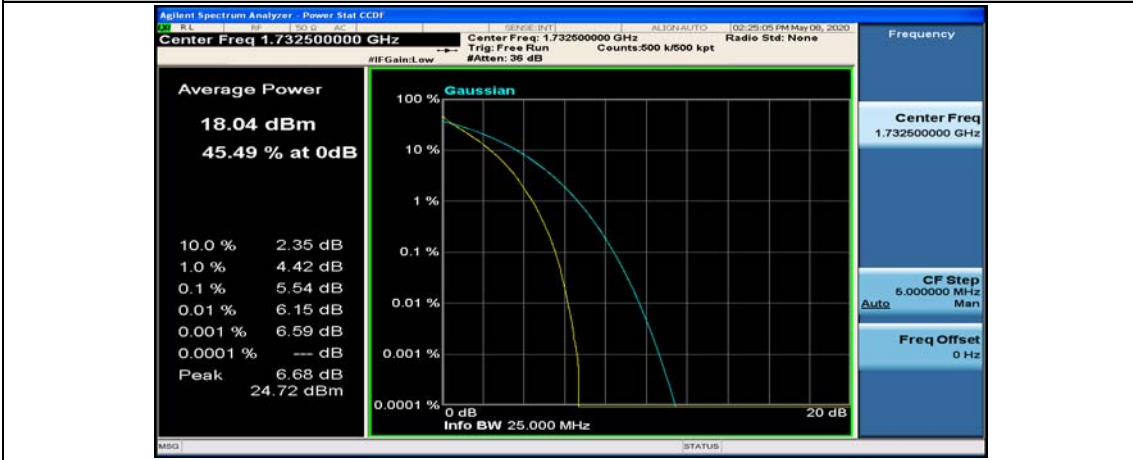
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#12



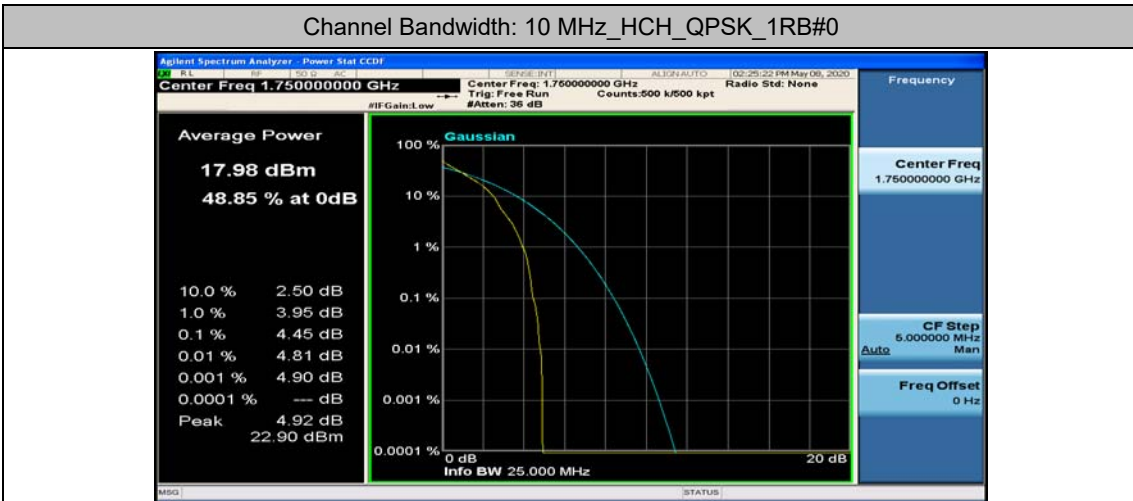
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_25RB#25



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







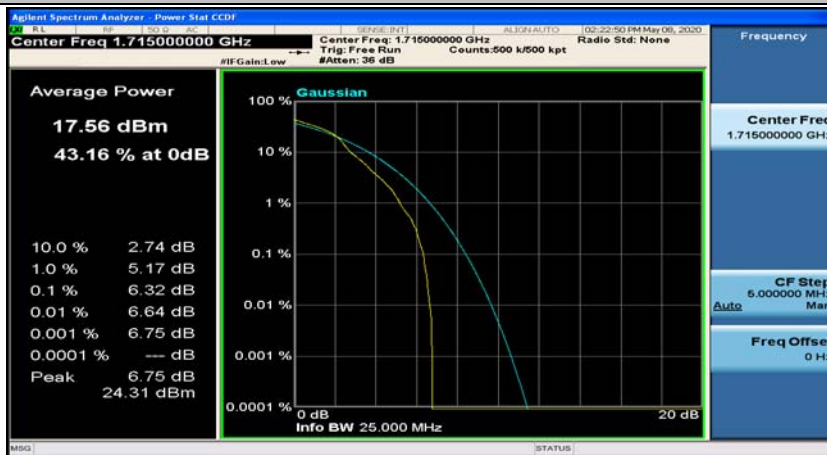
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



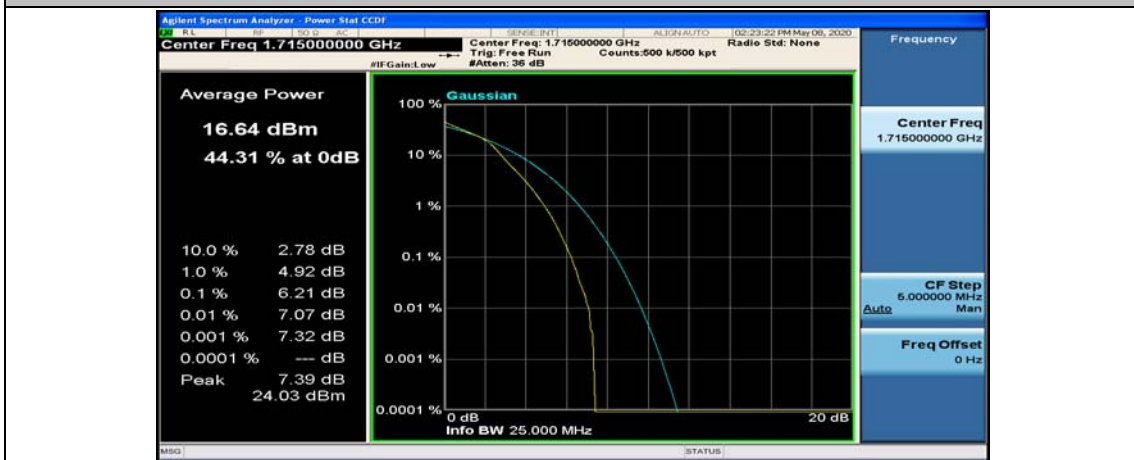
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24

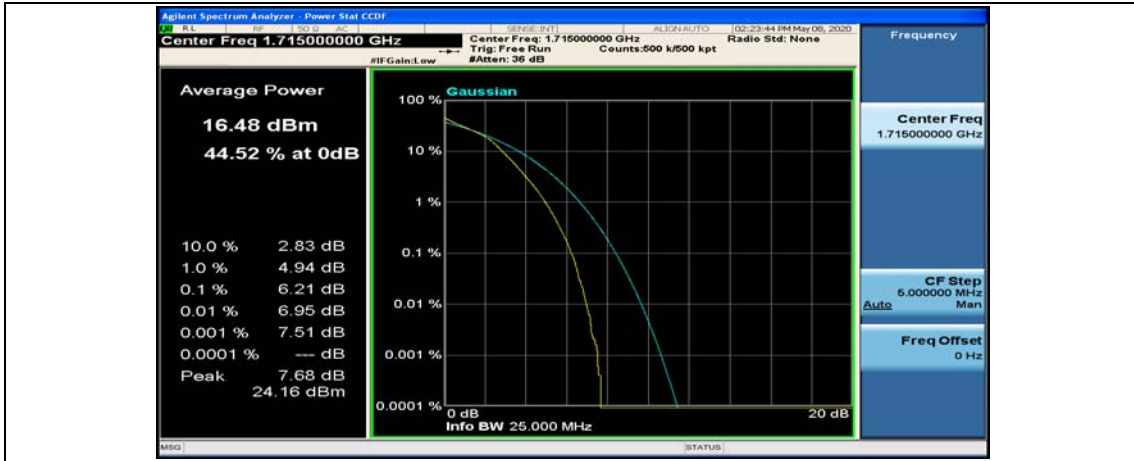


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49

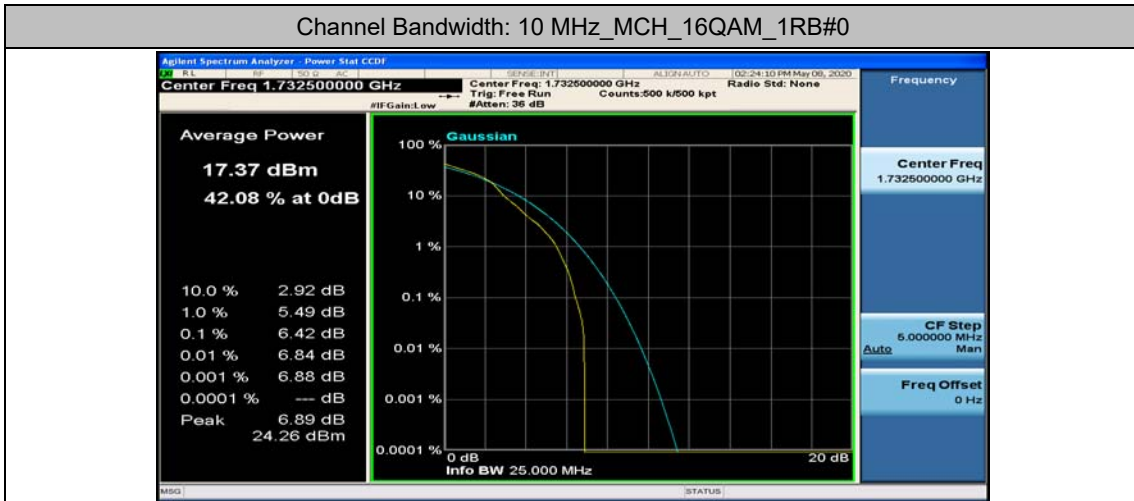


Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0

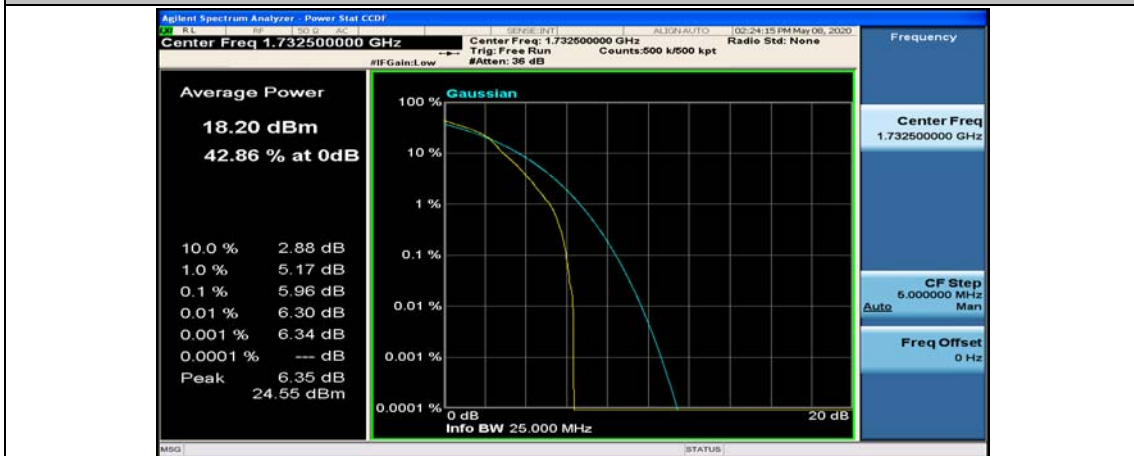




Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



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

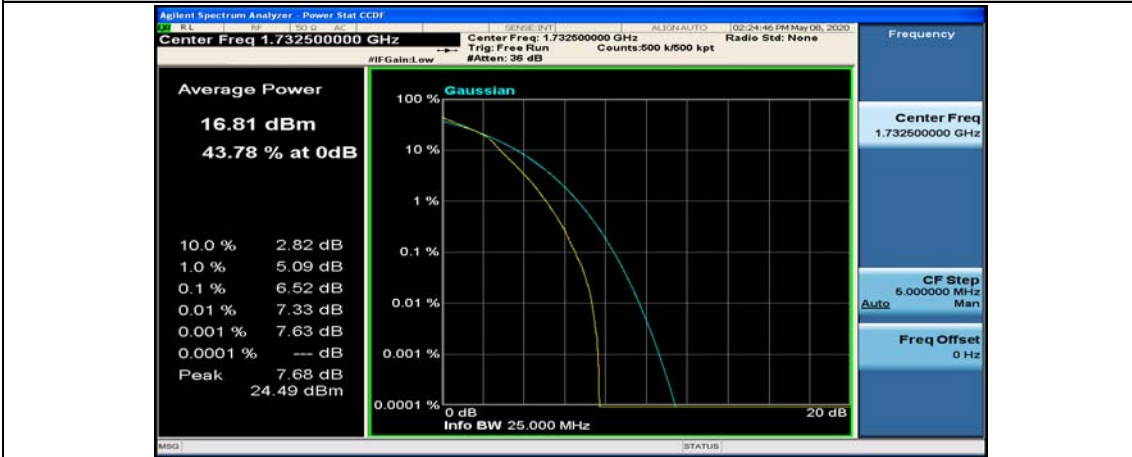


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49





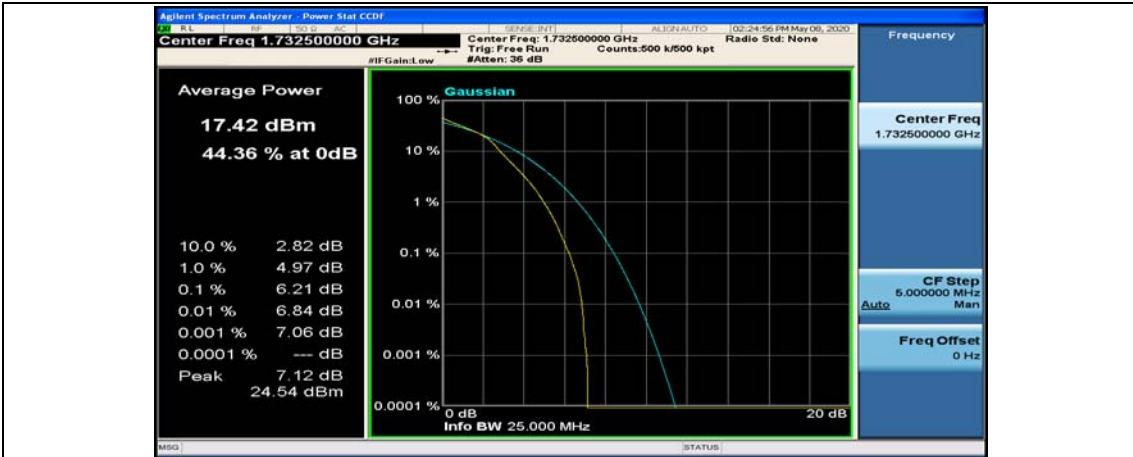
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#0



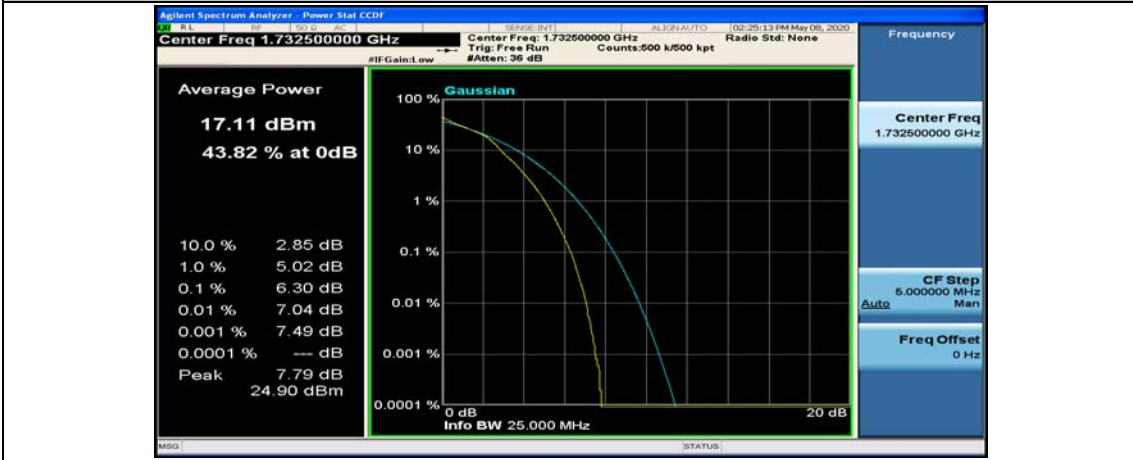
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_25RB#12



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



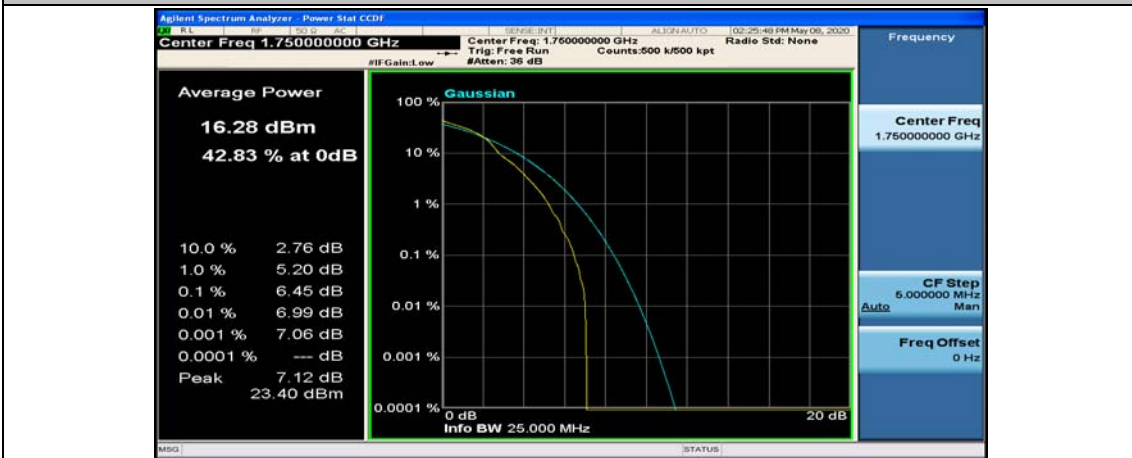
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_50RB#0

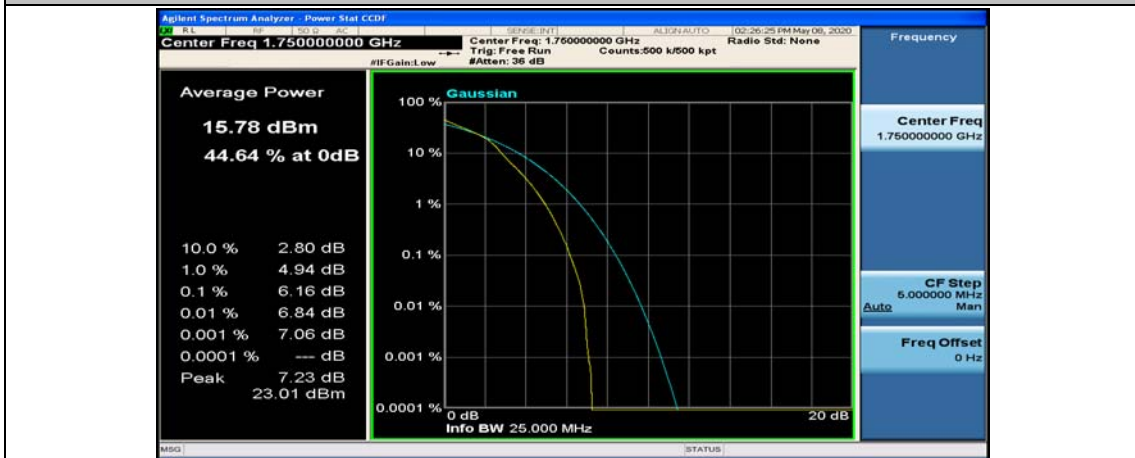


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0

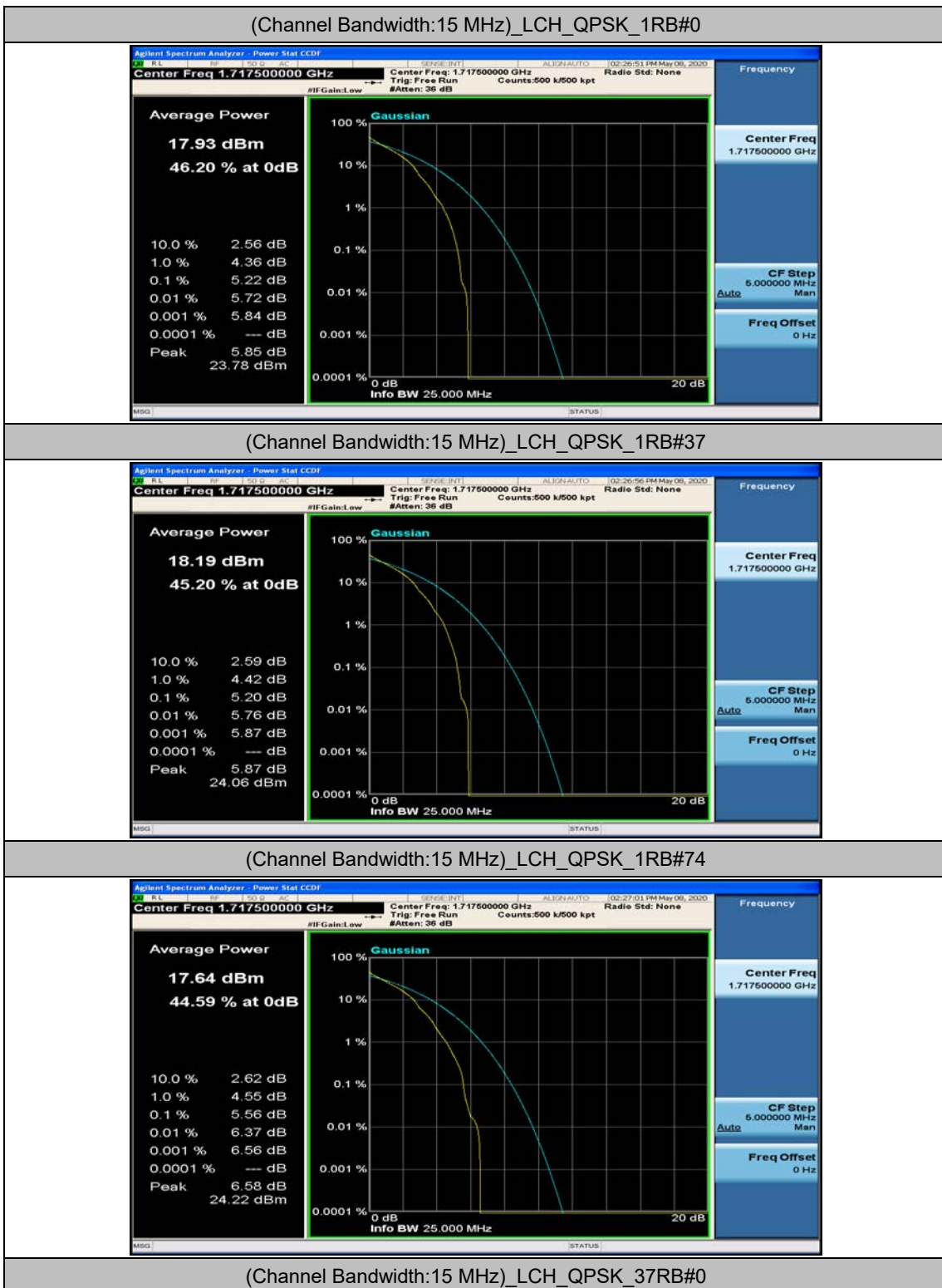


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24

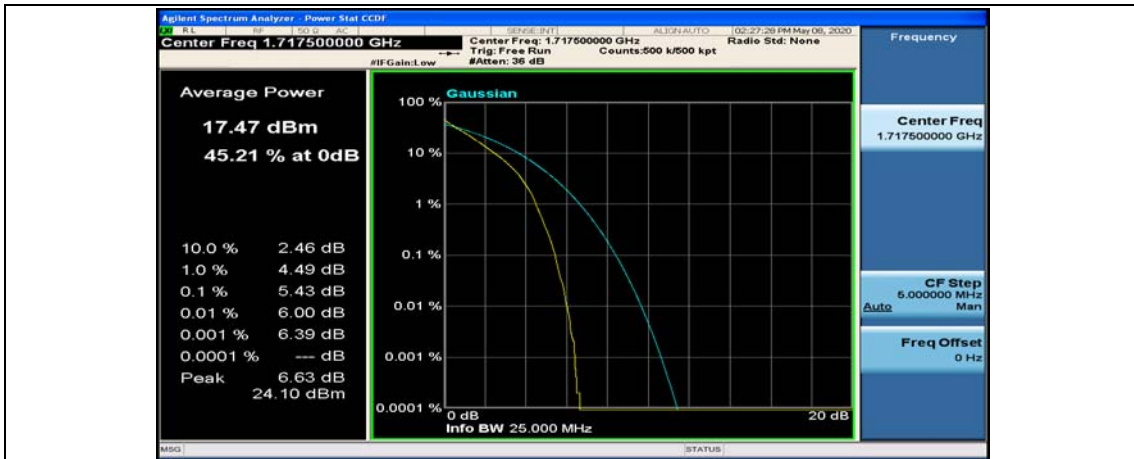




**Channel Bandwidth: 15 MHz**



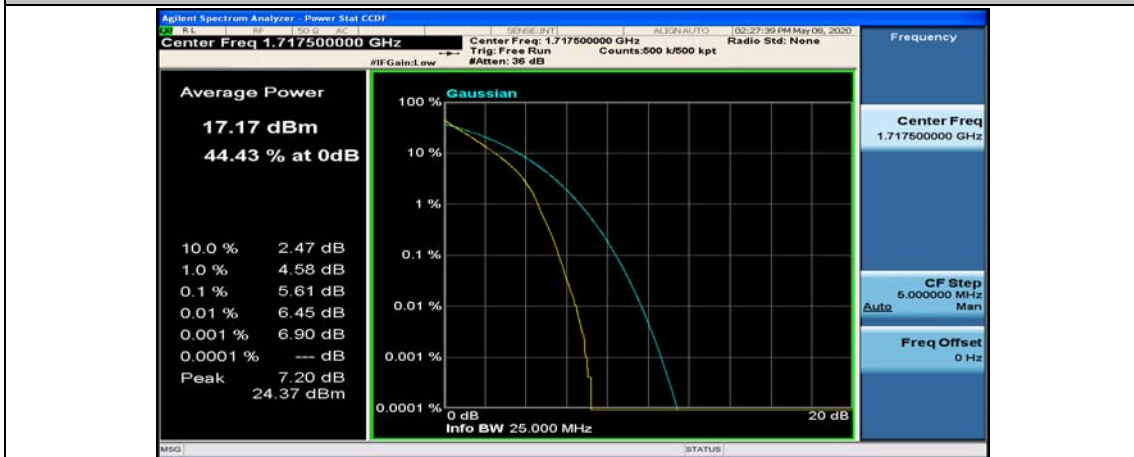




(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_37RB#18



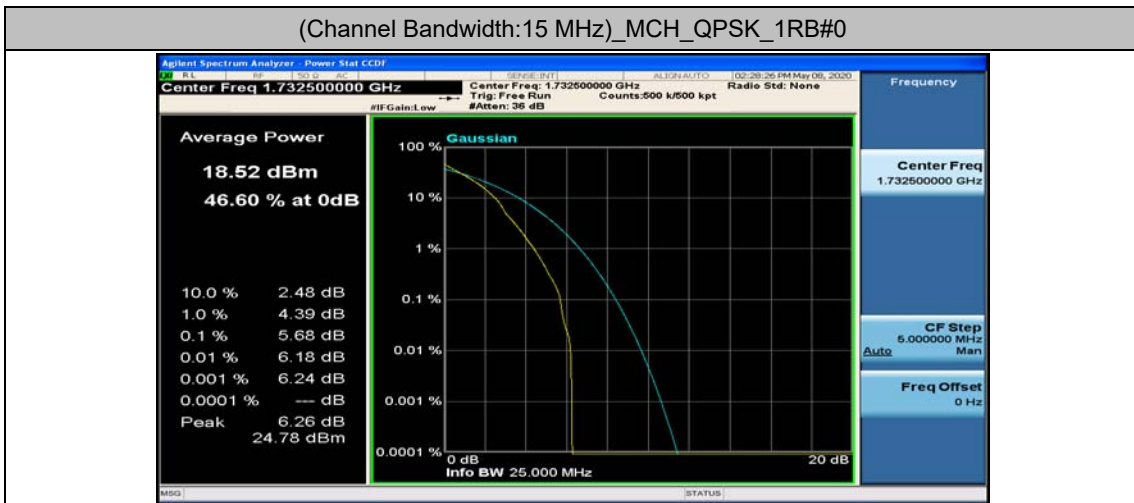
(Channel Bandwidth:15 MHz)\_LCH\_QPSK\_37RB#38



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



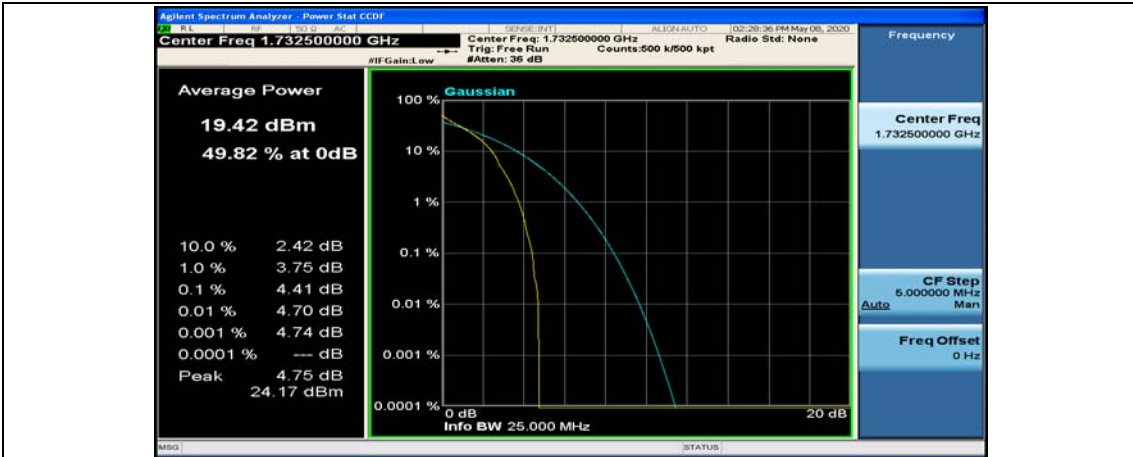
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#0



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



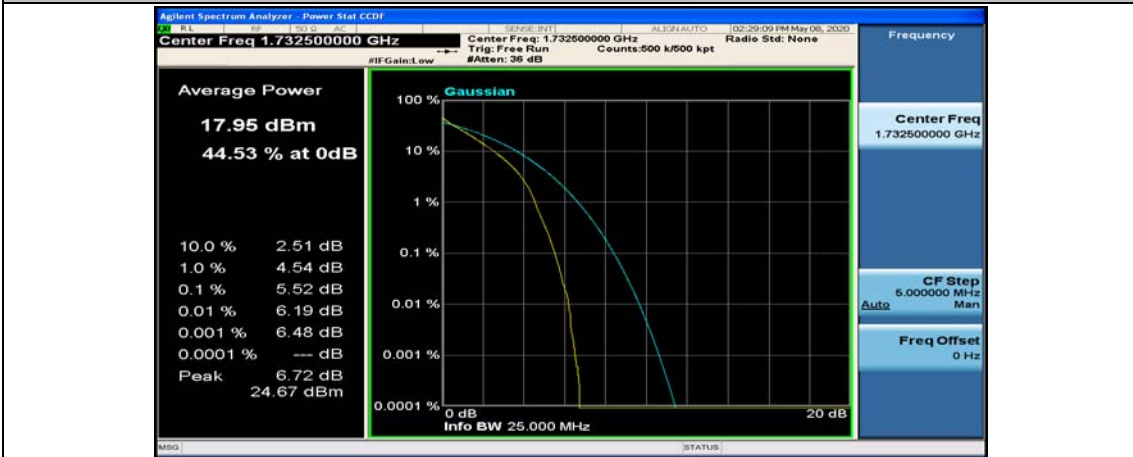
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#74



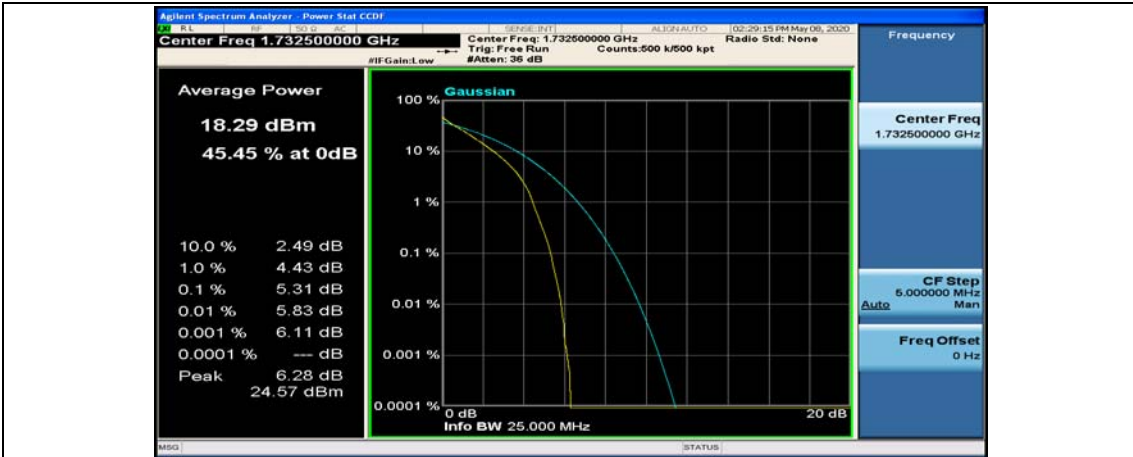
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#0



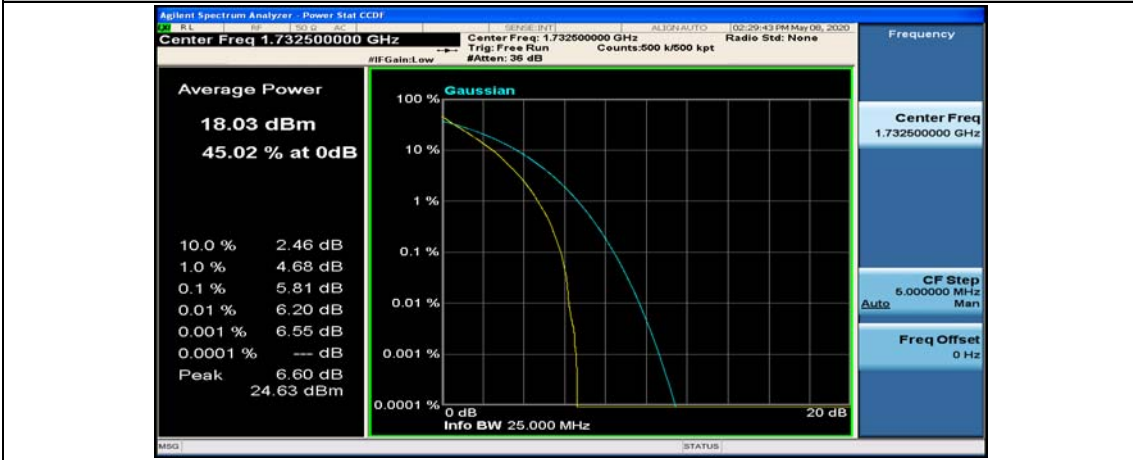
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_37RB#18



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



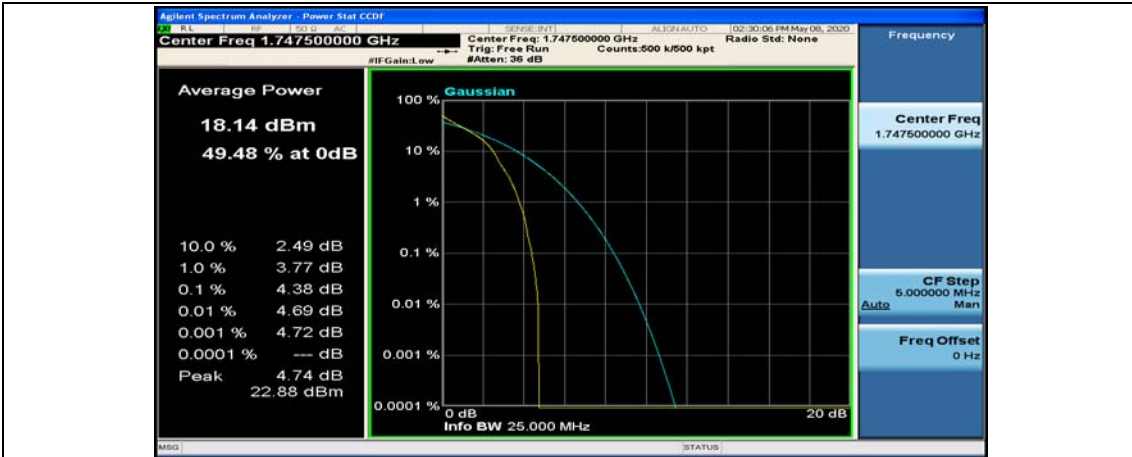
(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_75RB#0



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



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



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

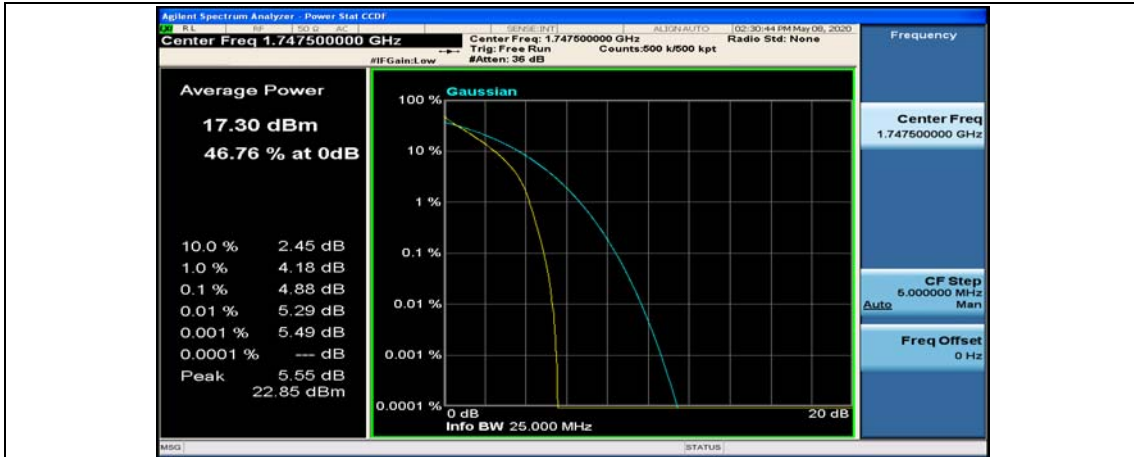


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_37RB#0



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





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

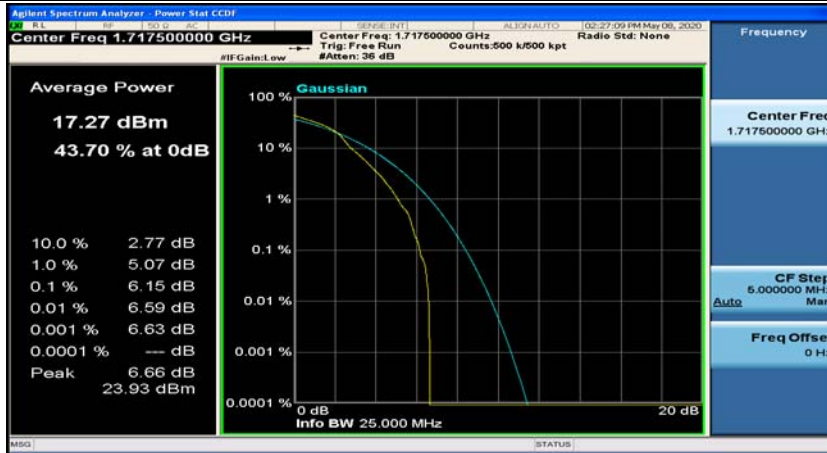


(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_75RB#0

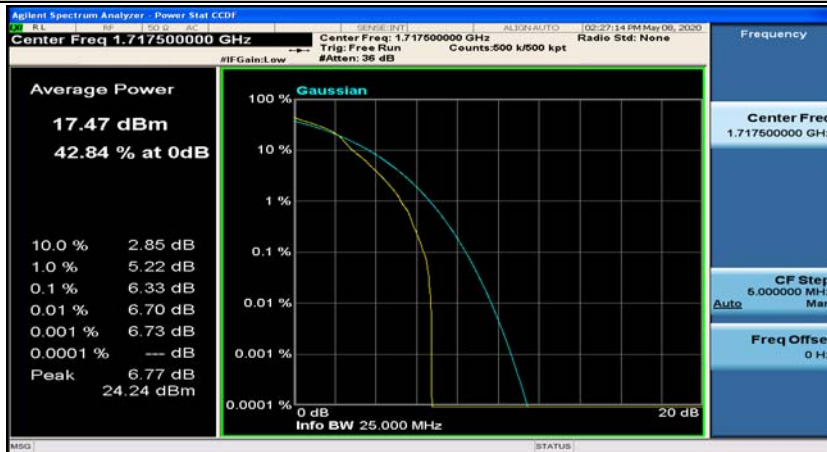




(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0



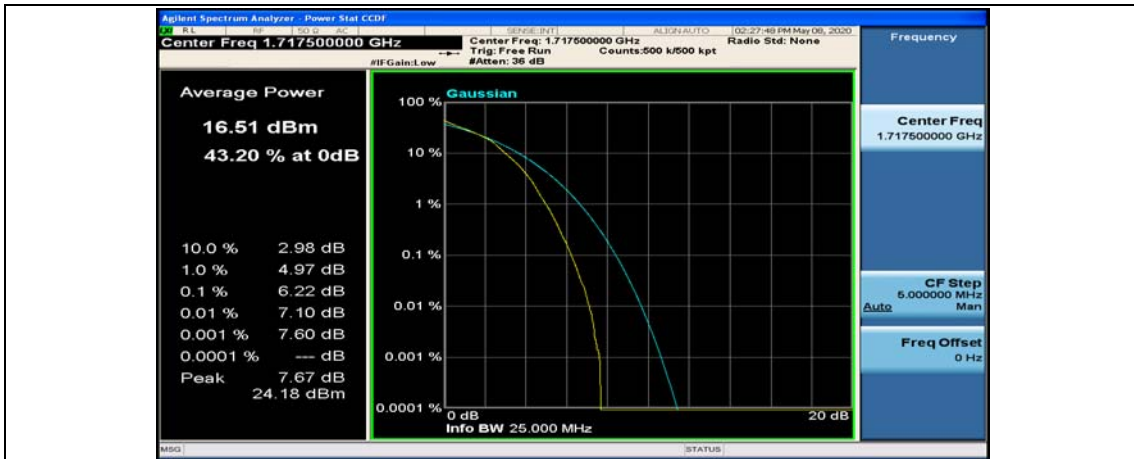
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37



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



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



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



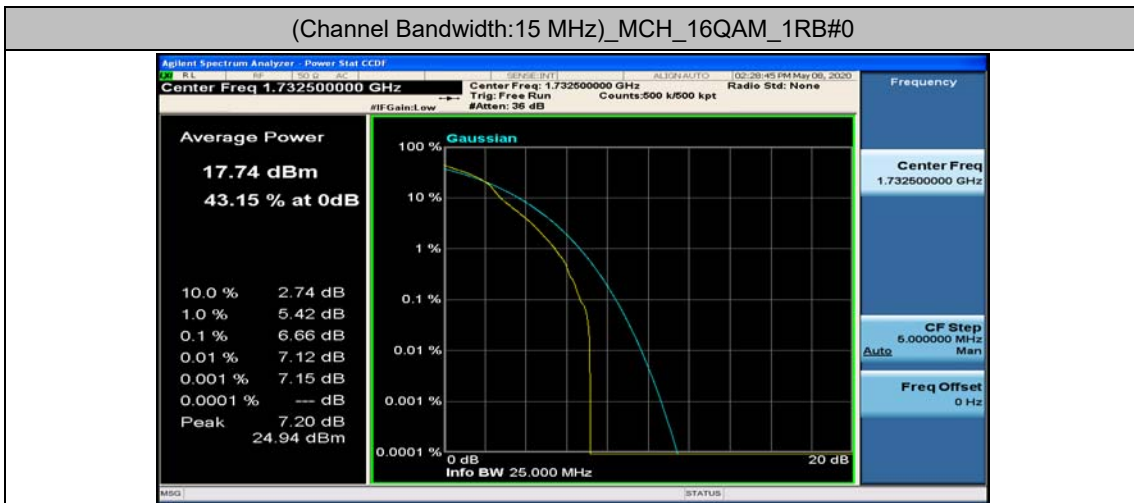
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_37RB#38



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



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



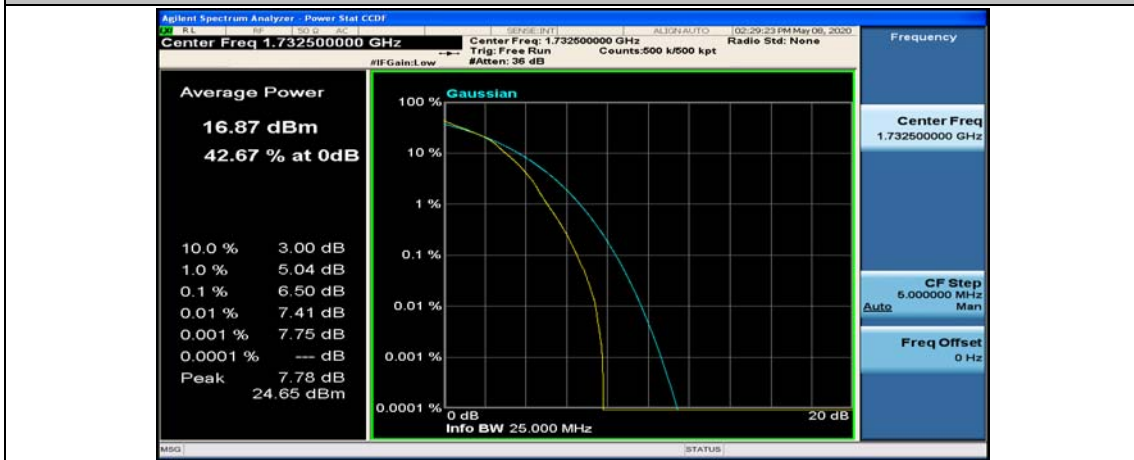
(Channel Bandwidth: 15 MHz)\_MCH\_16QAM\_1RB#37



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



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

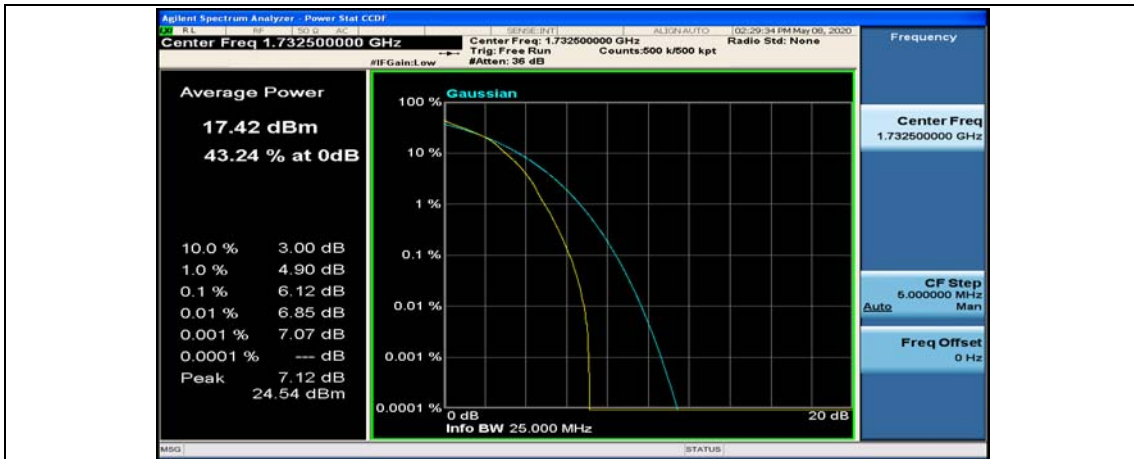


(Channel Bandwidth: 15 MHz)\_MCH\_16QAM\_37RB#18

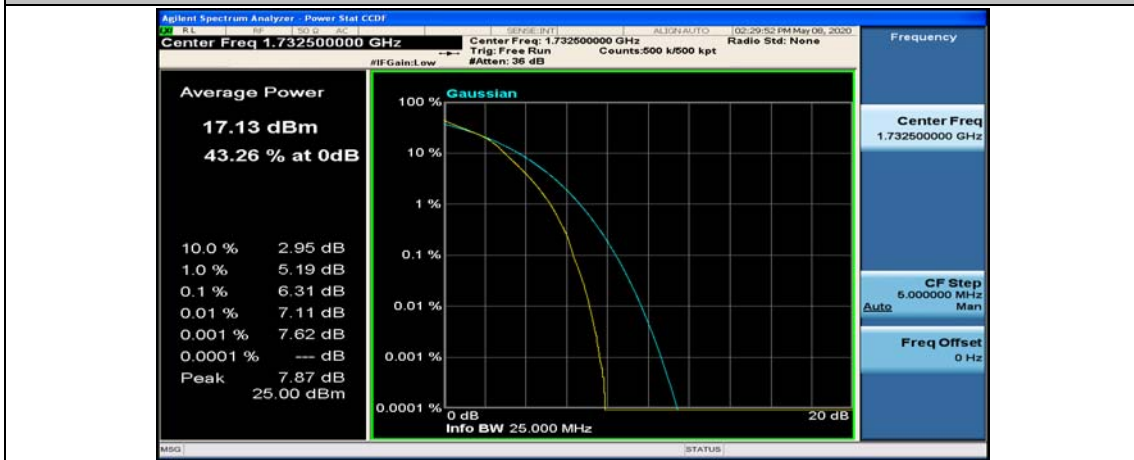


(Channel Bandwidth: 15 MHz)\_MCH\_16QAM\_37RB#38





(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



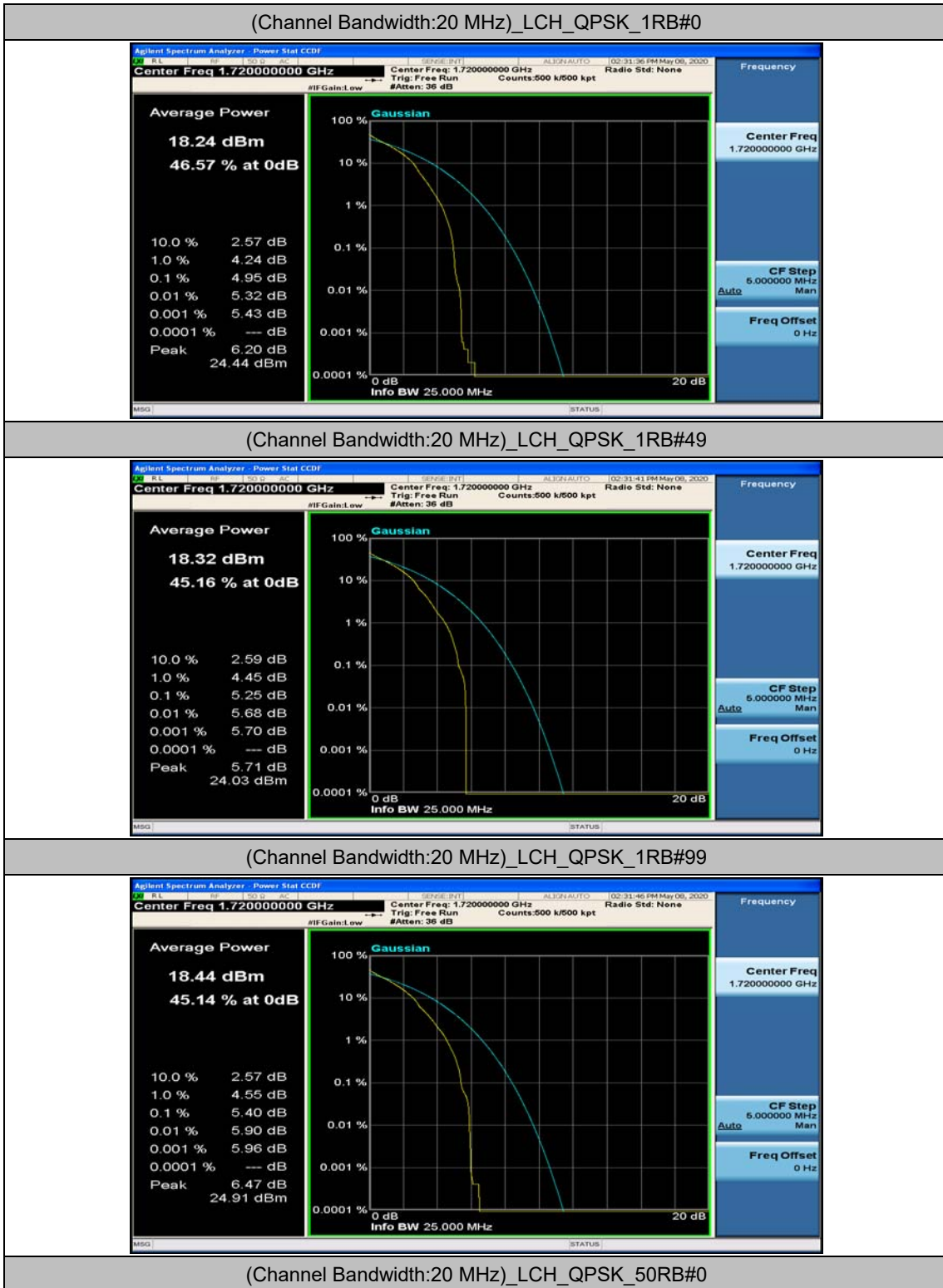
(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_37RB#38

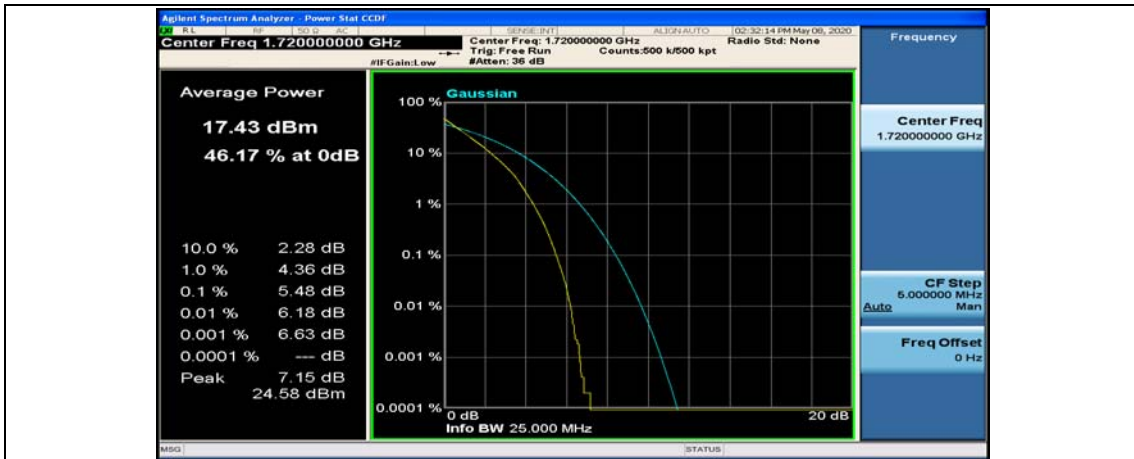


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_75RB#0

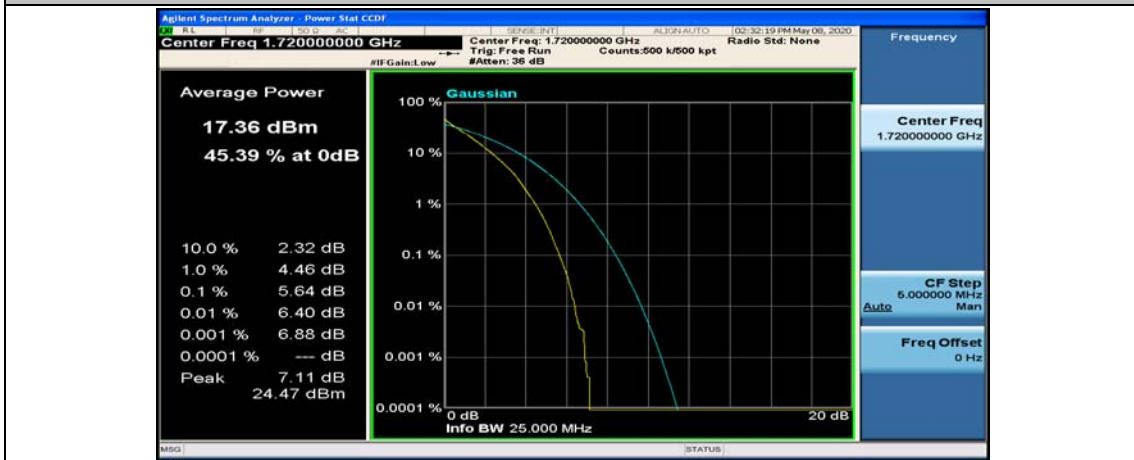


**Channel Bandwidth: 20 MHz**





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



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

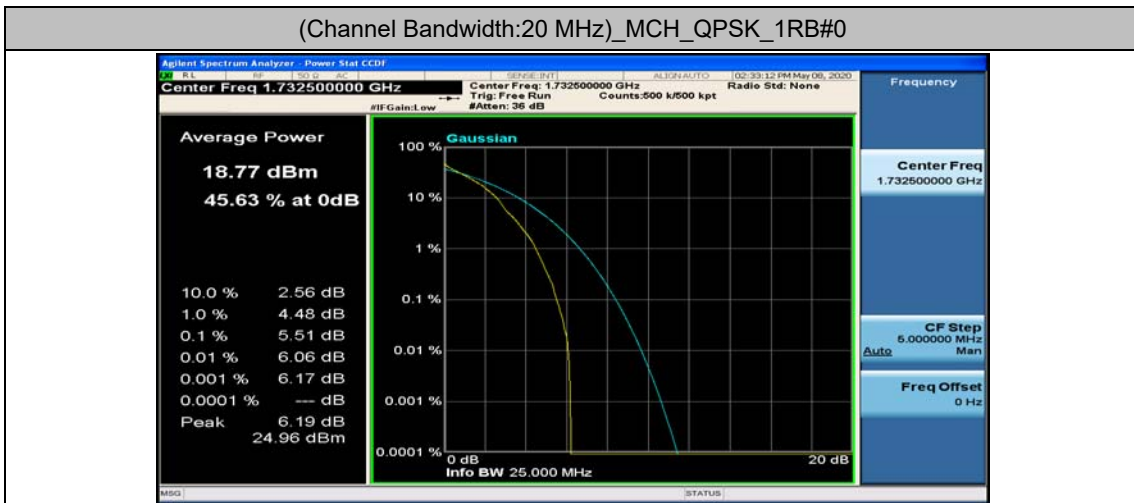


(Channel Bandwidth:20 MHz)\_LCH\_QPSK\_100RB#0

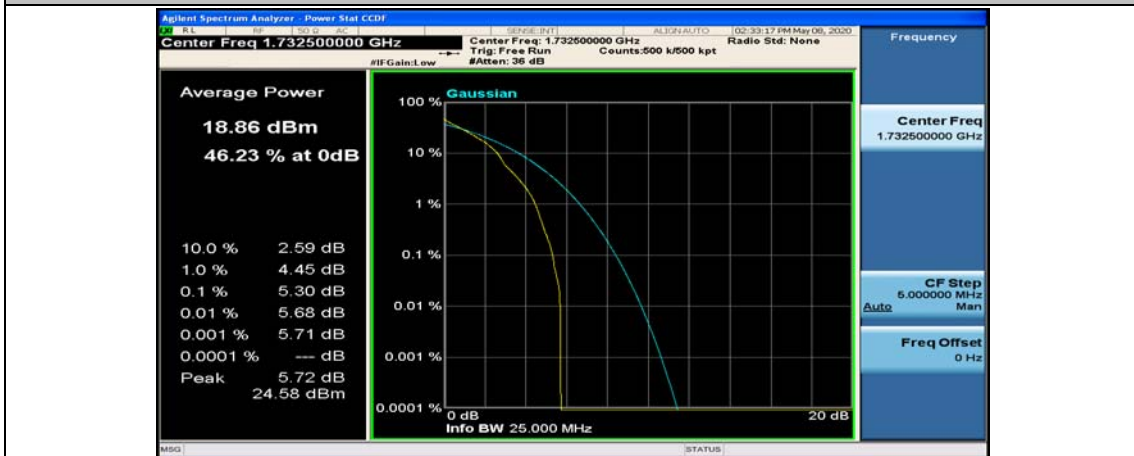




(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



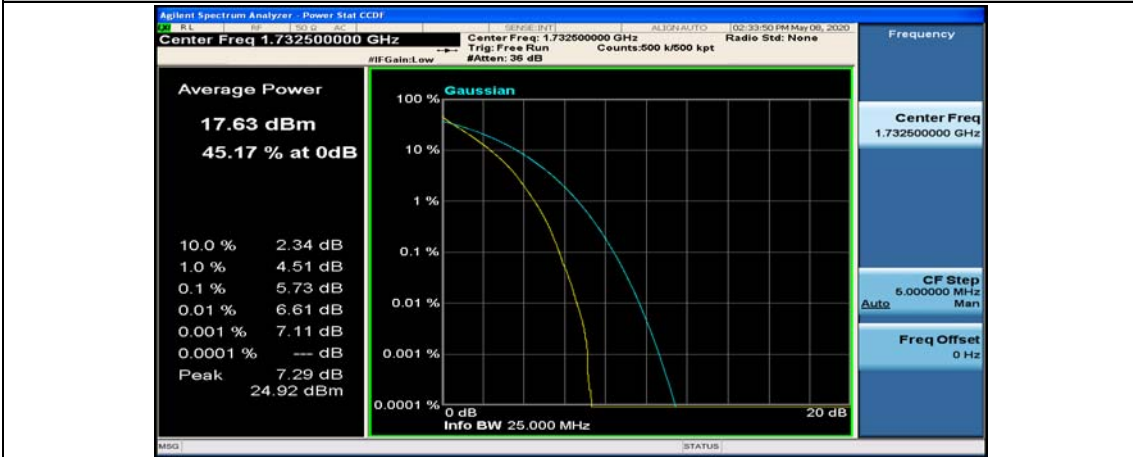
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#99



(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_50RB#0



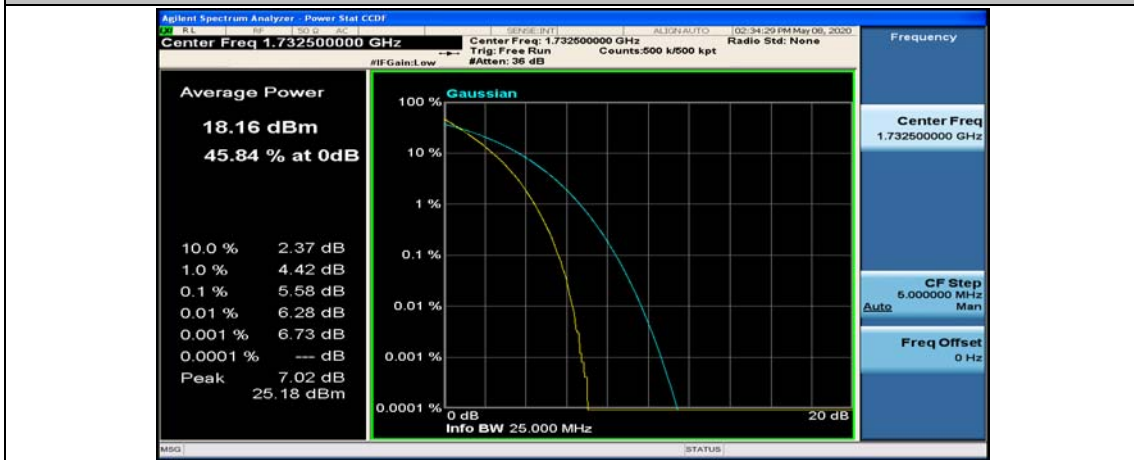
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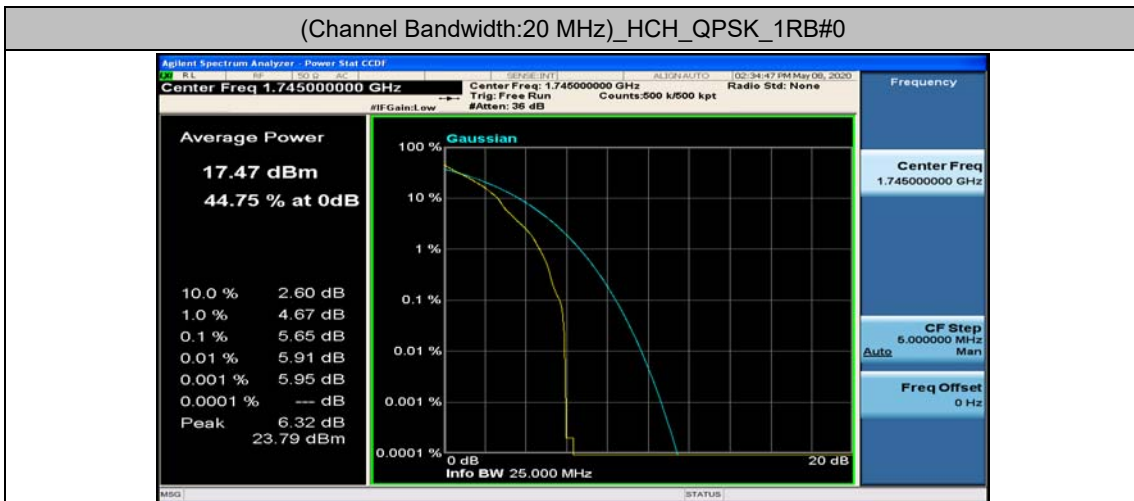
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_50RB#50



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



(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0



(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49



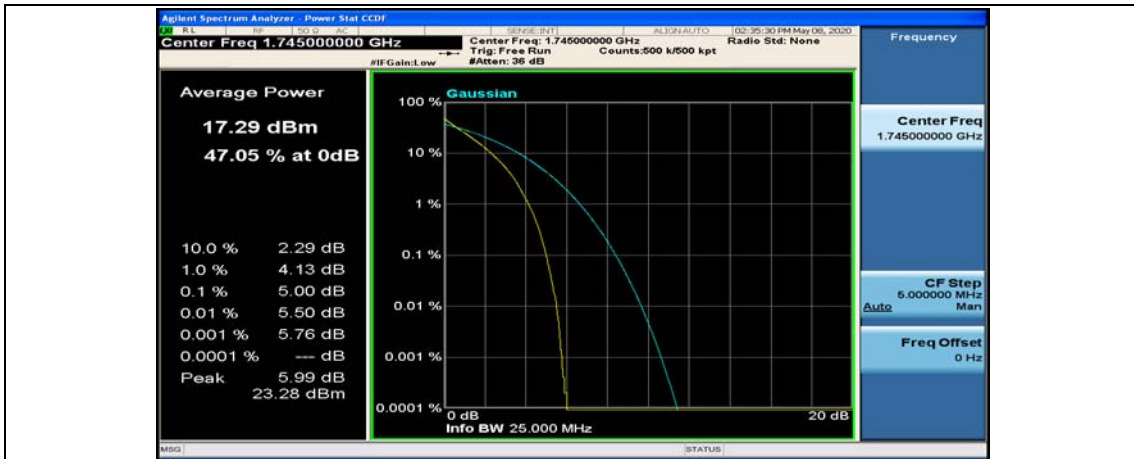
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#99



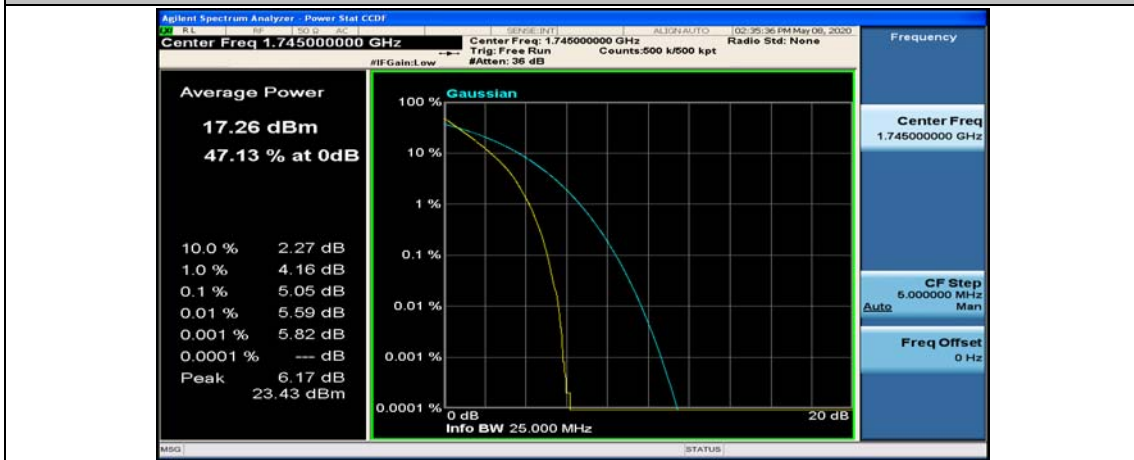
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_50RB#0



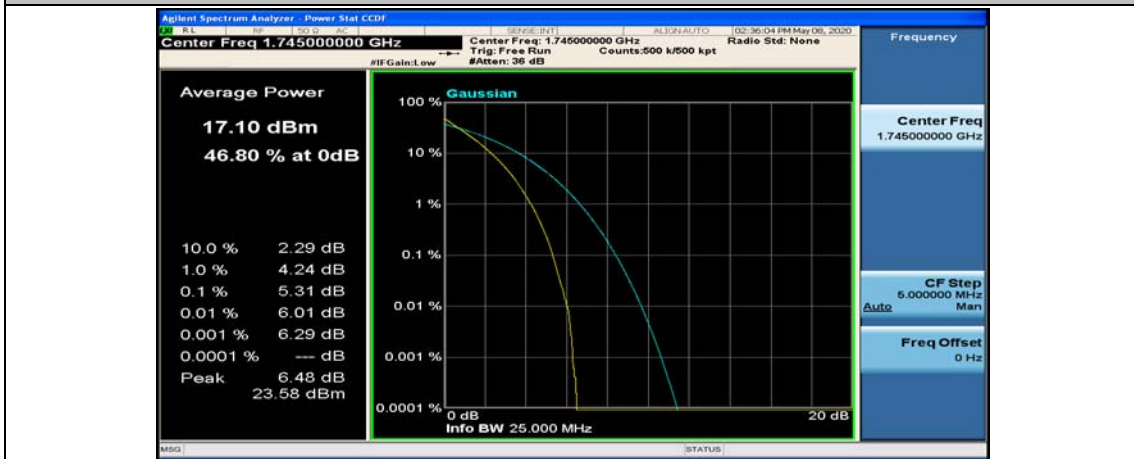
(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_50RB#25



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



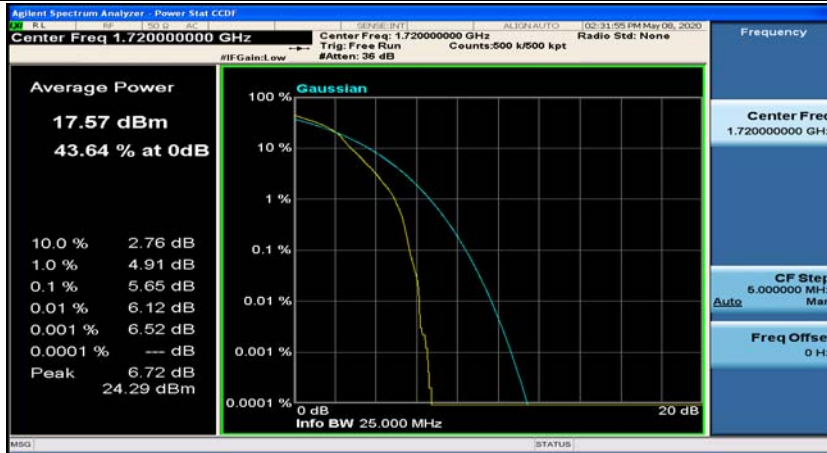
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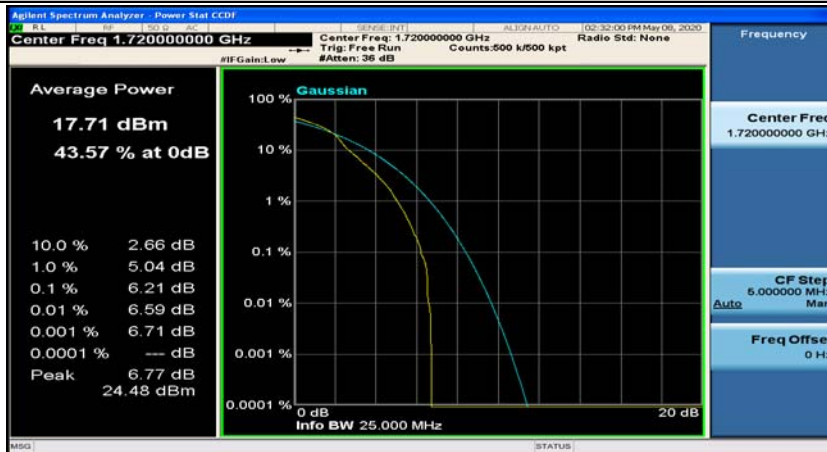




(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#99



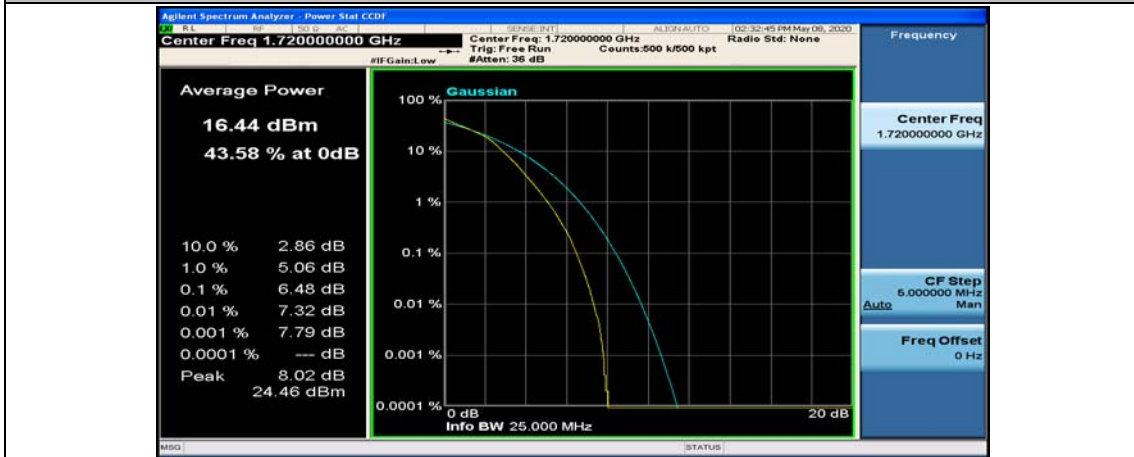
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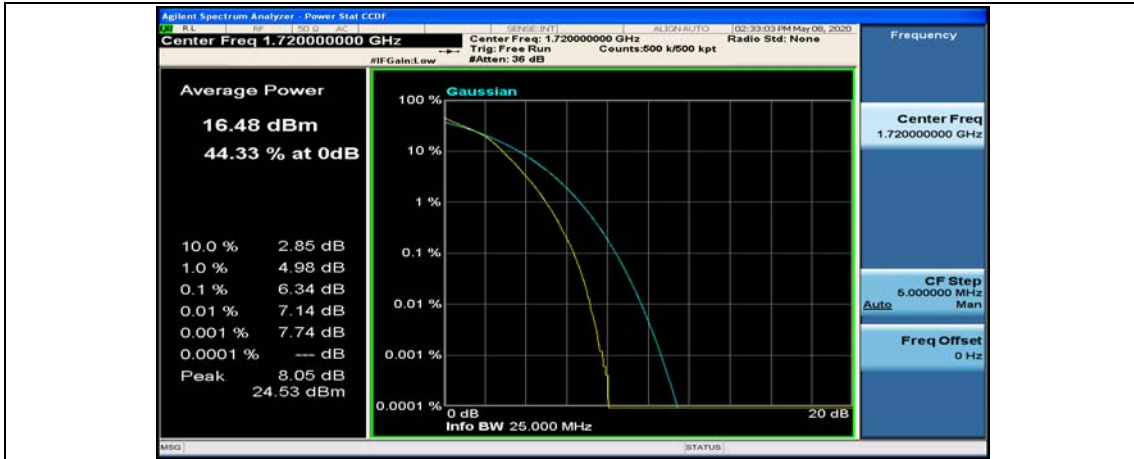
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_50RB#25



(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_50RB#50



(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_100RB#0



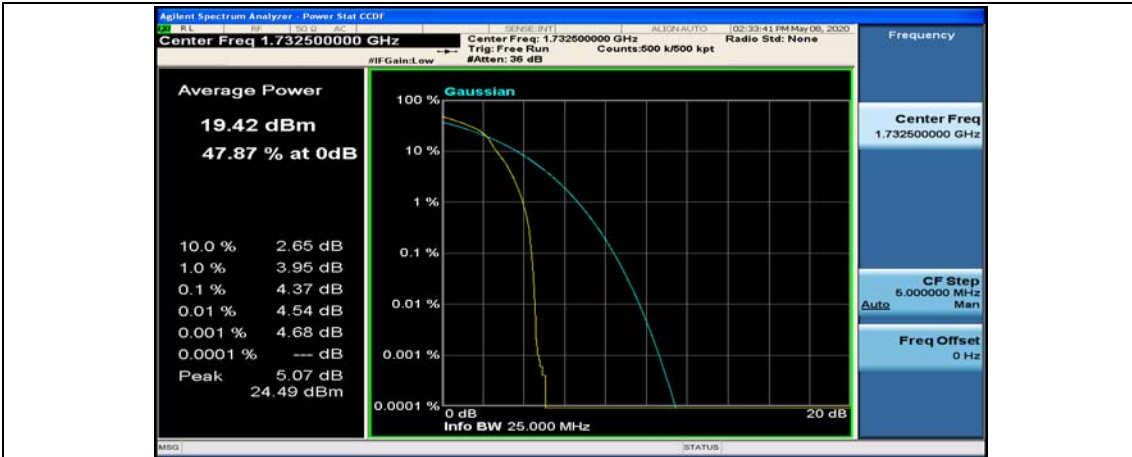
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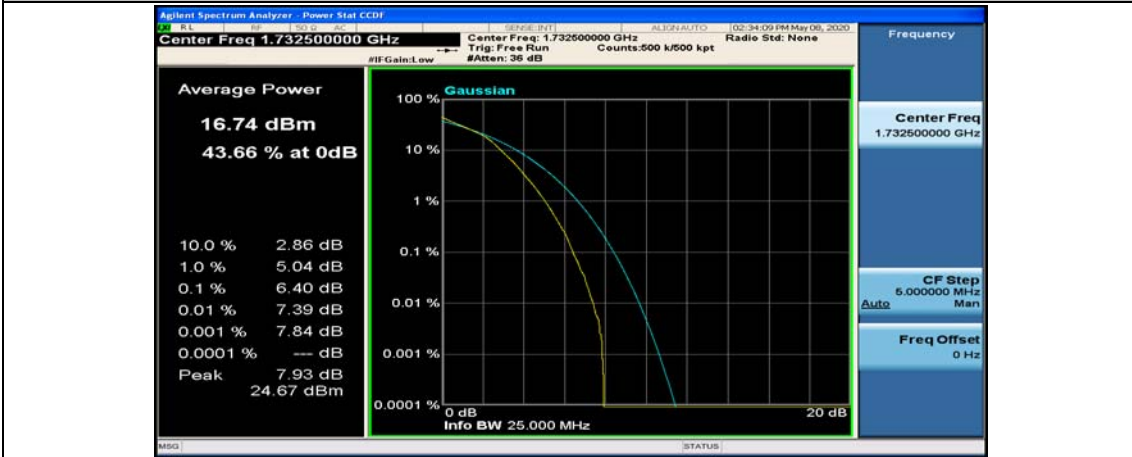
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(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#99



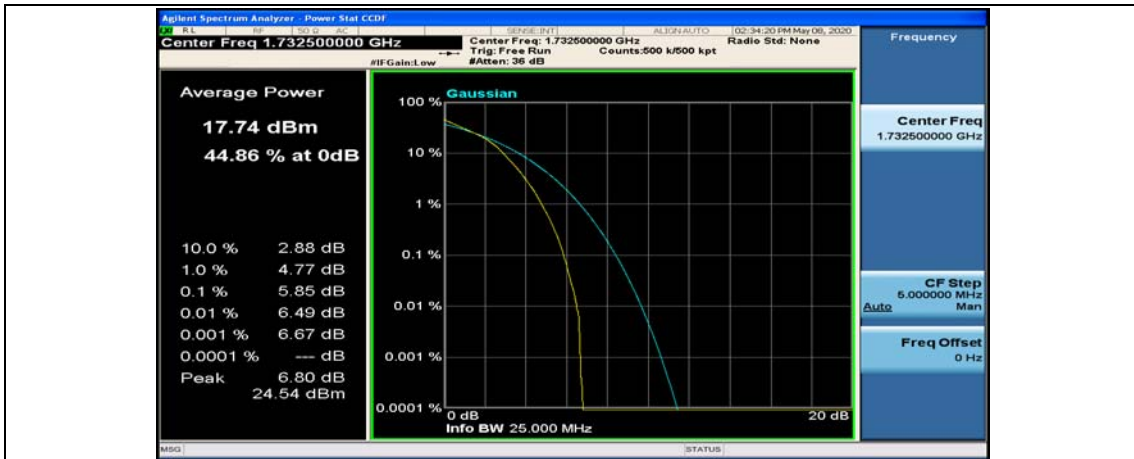
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_50RB#0



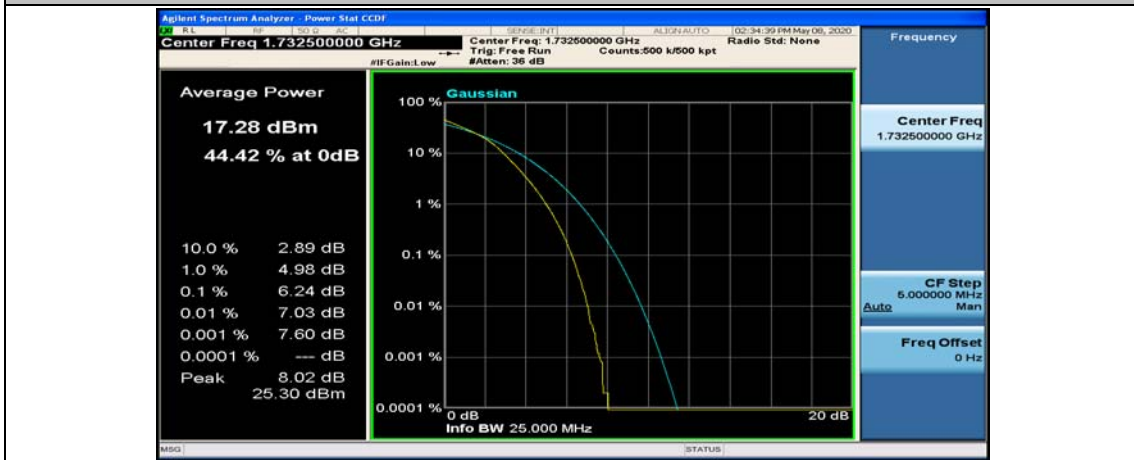
(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_50RB#25



(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_50RB#50



(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_100RB#0

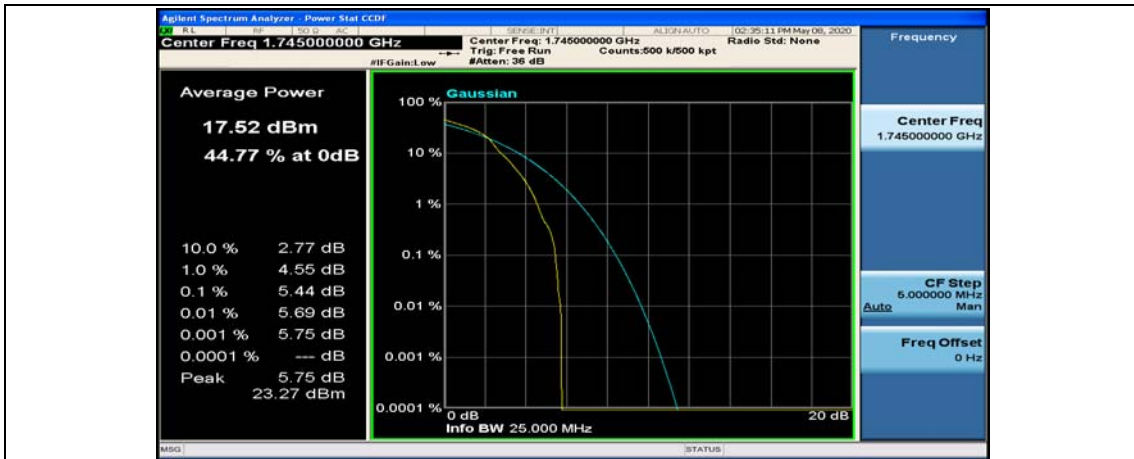


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0

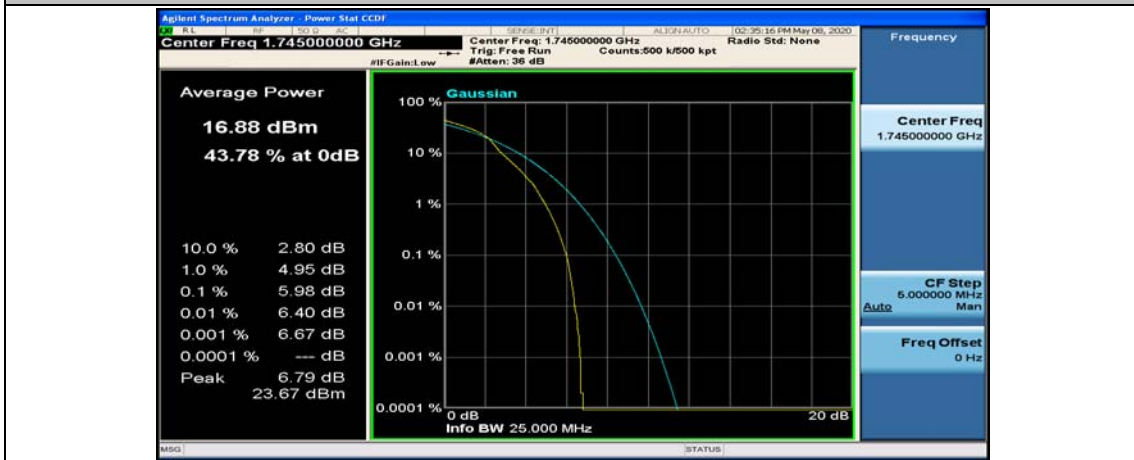


(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#49





(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#99



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_50RB#0



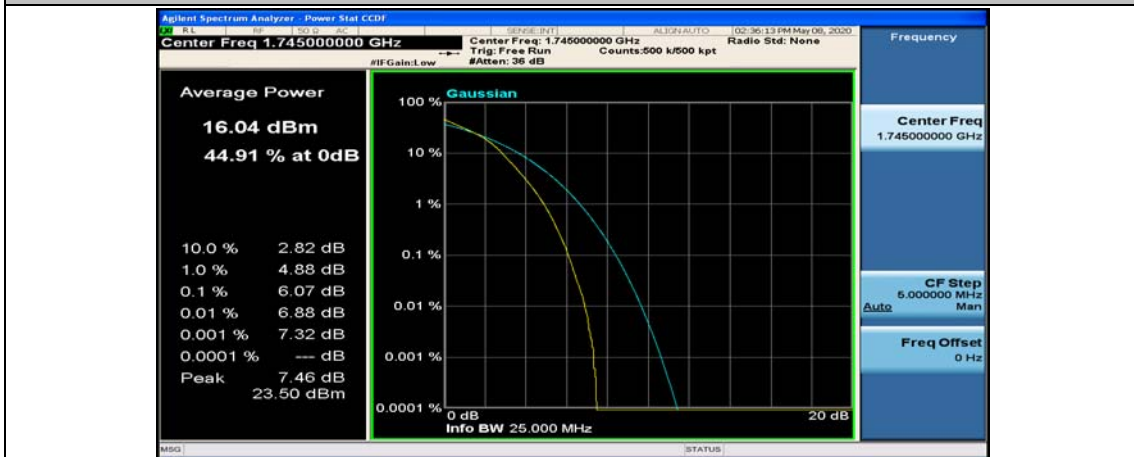
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_50RB#25



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_50RB#0



(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_100RB#0





## Appendix C: 26dB Bandwidth and Occupied Bandwidth

### Test Result

#### Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0763	1.224	PASS
	MCH	6	0	1.0778	1.209	PASS
	HCH	6	0	1.0762	1.237	PASS
16QAM	LCH	6	0	1.0781	1.206	PASS
	MCH	6	0	1.0779	1.234	PASS
	HCH	6	0	1.0803	1.217	PASS

#### Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6862	3.017	PASS
	MCH	15	0	2.6869	2.953	PASS
	HCH	15	0	2.6844	2.932	PASS
16QAM	LCH	15	0	2.6857	2.952	PASS
	MCH	15	0	2.6865	2.974	PASS
	HCH	15	0	2.6860	2.997	PASS

#### 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	4.4647	4.905	PASS
	MCH	25	0	4.4698	4.828	PASS
	HCH	25	0	4.4773	4.805	PASS
16QAM	LCH	25	0	4.4748	4.839	PASS
	MCH	25	0	4.4701	4.826	PASS
	HCH	25	0	4.4724	4.830	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	8.9253	9.520	PASS
	MCH	50	0	8.9349	9.567	PASS
	HCH	50	0	8.9336	9.551	PASS
16QAM	LCH	50	0	8.9195	9.444	PASS
	MCH	50	0	8.9513	9.484	PASS
	HCH	50	0	8.9224	9.637	PASS

**Channel Bandwidth: 15 MHz**

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.383	14.12	PASS
	MCH	75	0	13.388	14.14	PASS
	HCH	75	0	13.391	14.34	PASS
16QAM	LCH	75	0	13.390	14.07	PASS
	MCH	75	0	13.426	17.89	PASS
	HCH	75	0	13.386	14.22	PASS

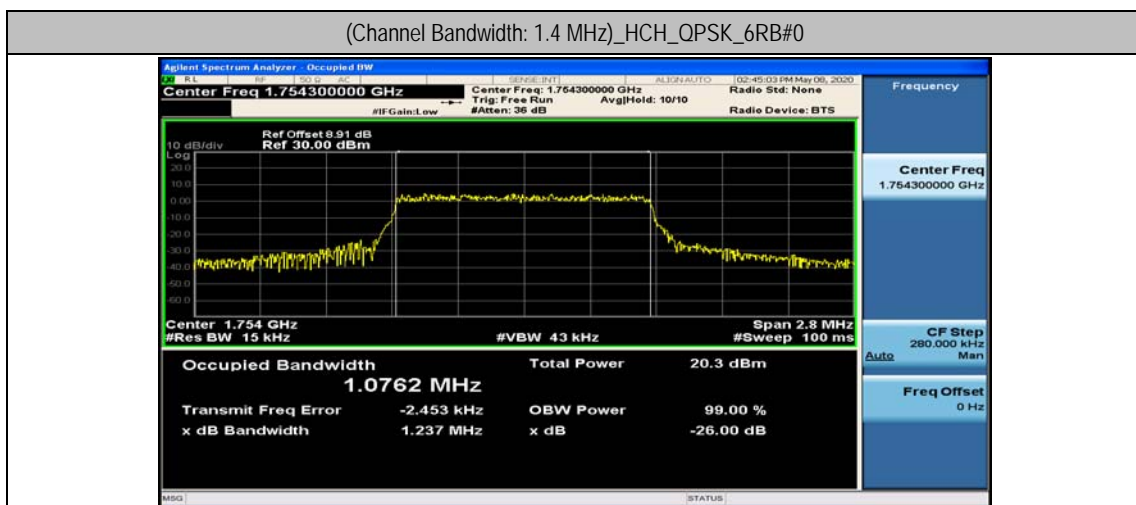
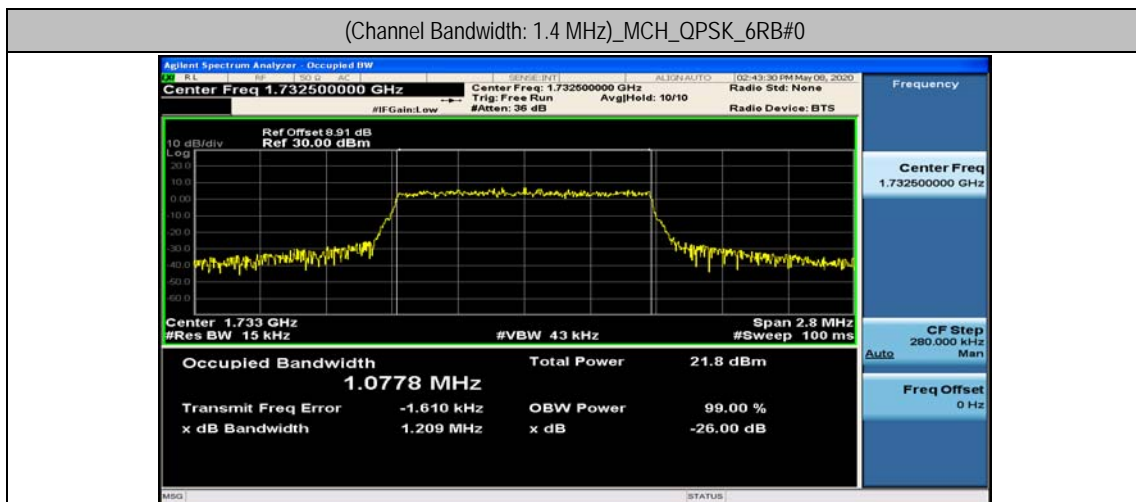
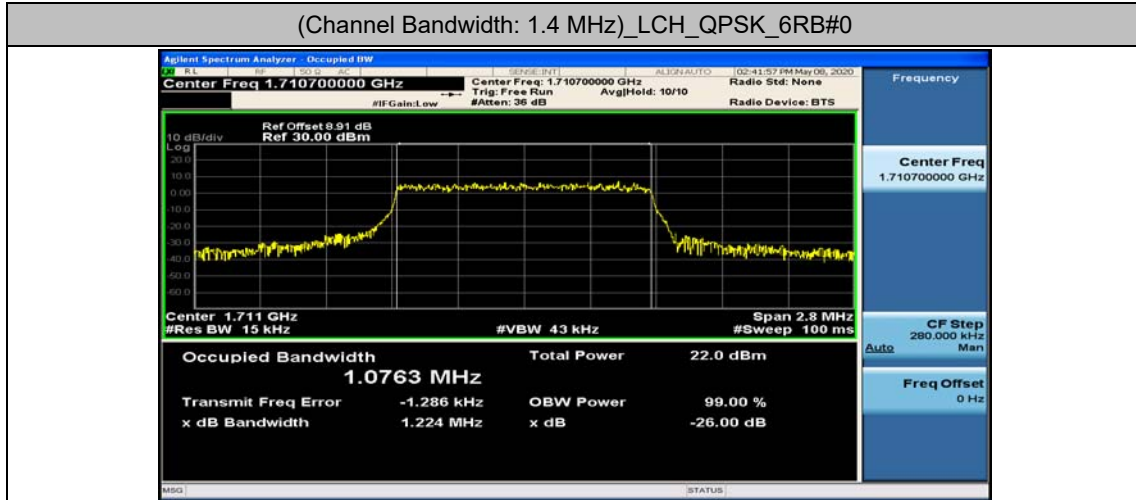
**Channel Bandwidth: 20 MHz**

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.847	18.76	PASS
	MCH	100	0	17.884	18.79	PASS
	HCH	100	0	17.880	18.67	PASS
16QAM	LCH	100	0	17.842	18.66	PASS
	MCH	100	0	17.876	18.81	PASS
	HCH	100	0	17.860	18.69	PASS



## Test Graphs

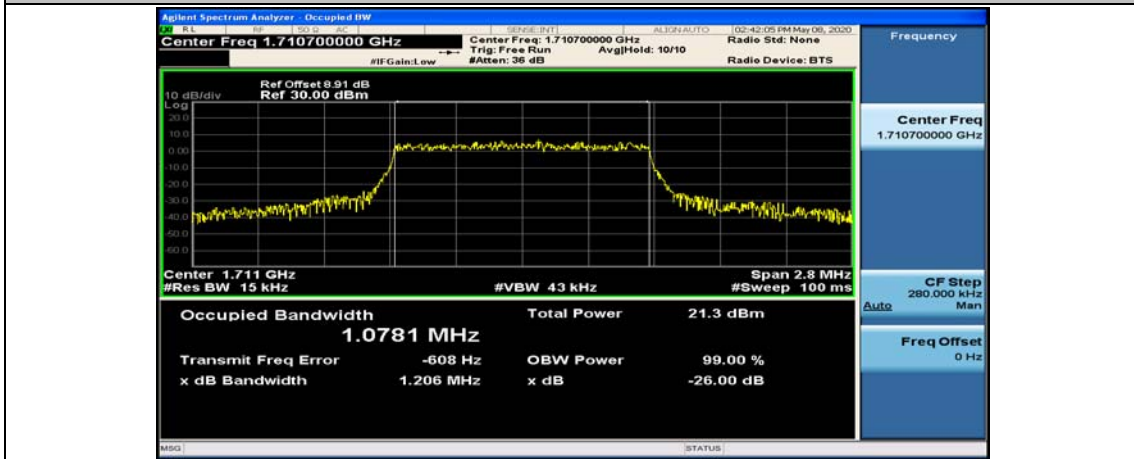
### Channel Bandwidth: 1.4 MHz



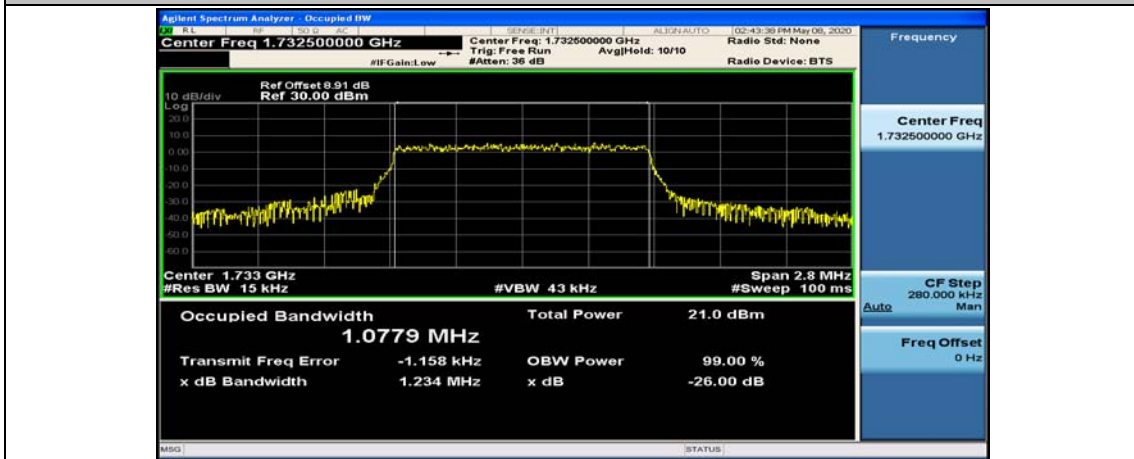




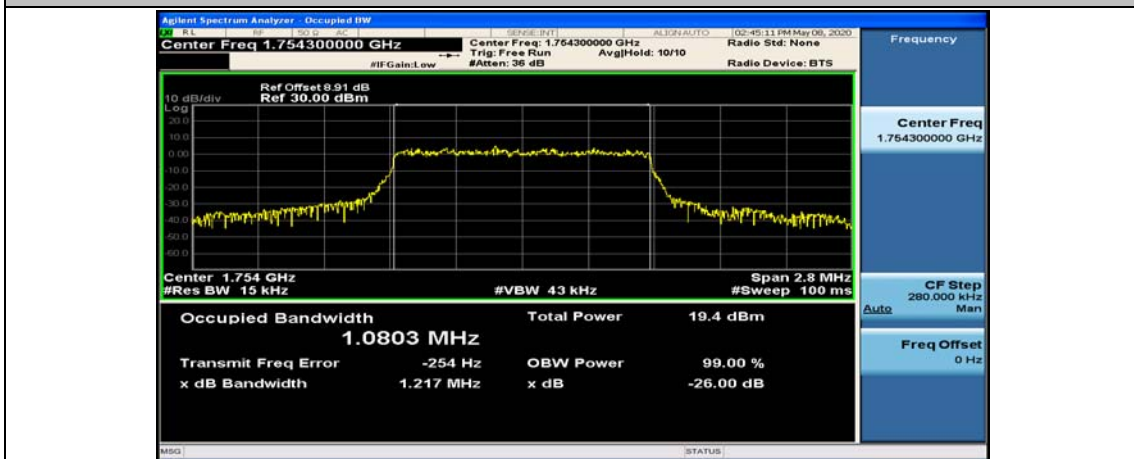
(Channel Bandwidth: 1.4 MHz)\_LCH\_16QAM\_6RB#0



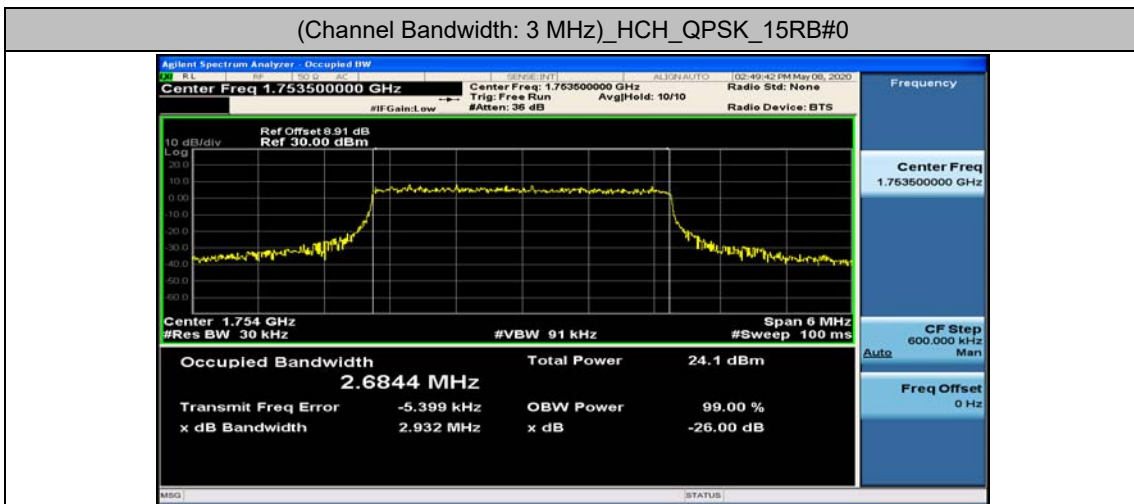
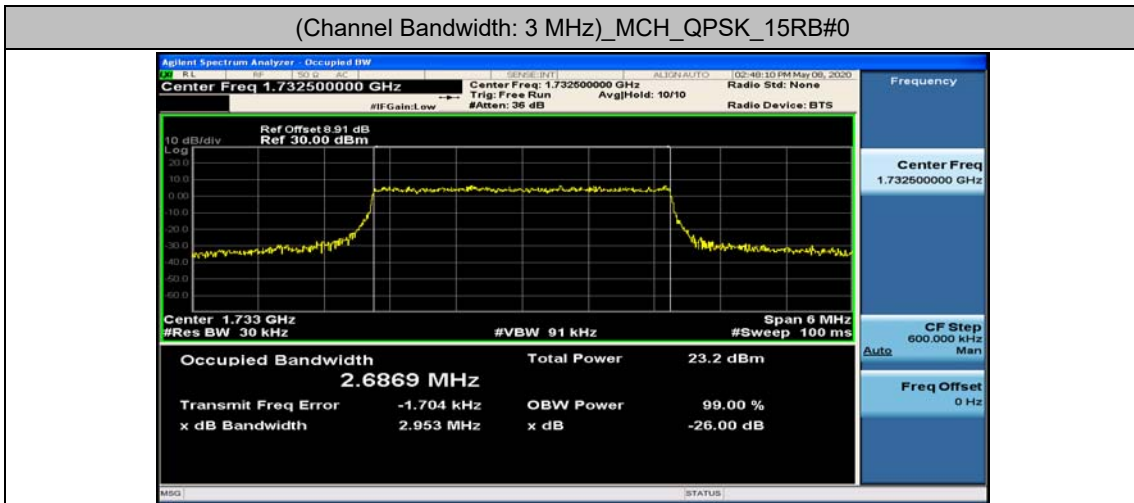
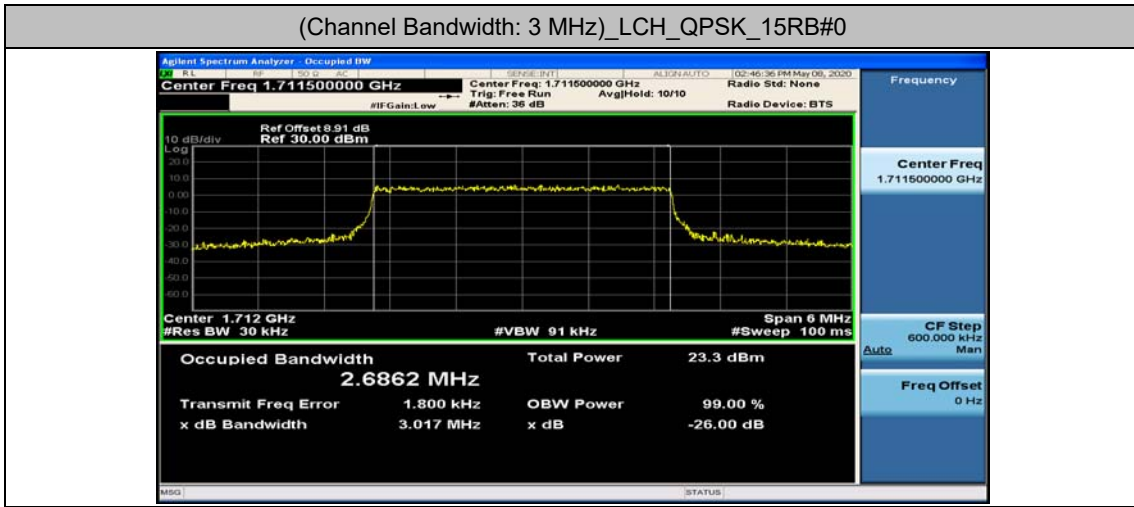
(Channel Bandwidth: 1.4 MHz)\_MCH\_16QAM\_6RB#0



(Channel Bandwidth: 1.4 MHz)\_HCH\_16QAM\_6RB#0

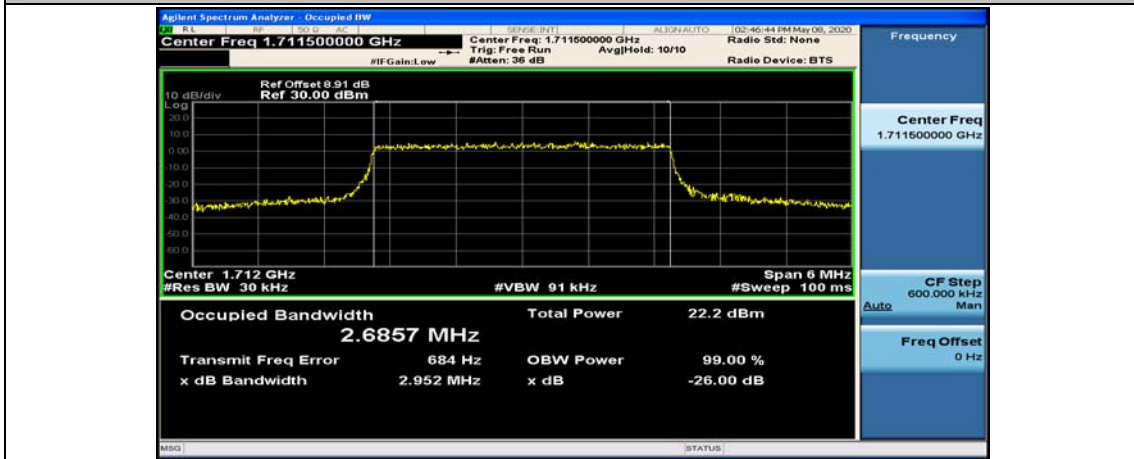


### Channel Bandwidth: 3 MHz

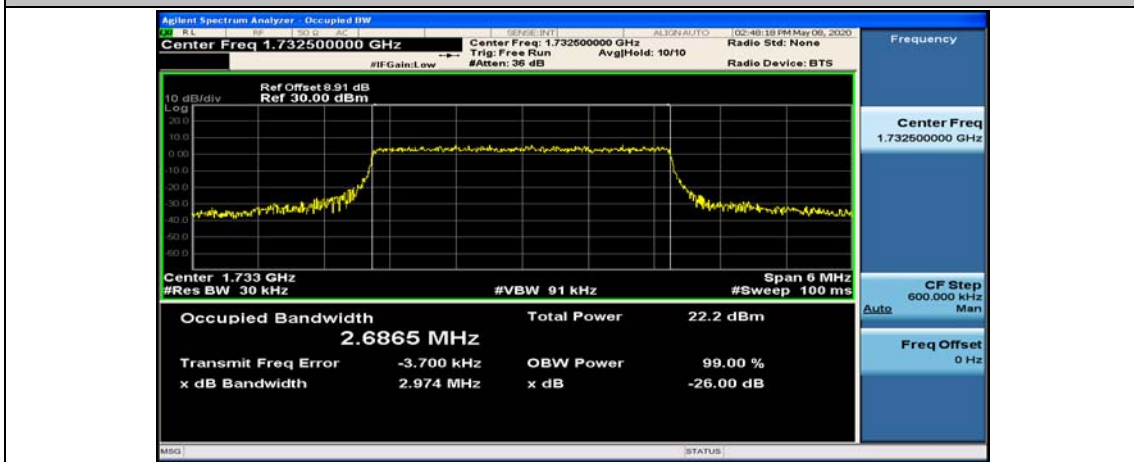




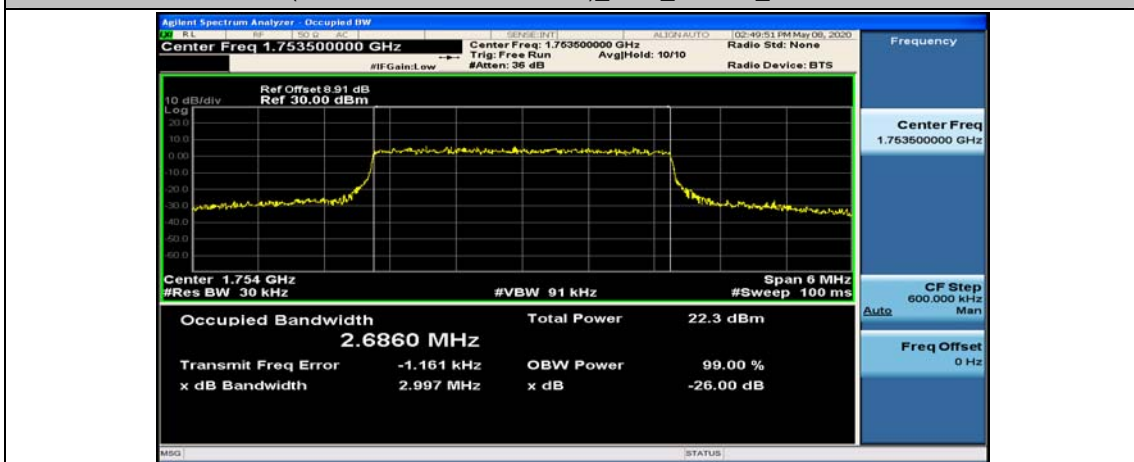
(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_15RB#0



(Channel Bandwidth: 3 MHz)\_MCH\_16QAM\_15RB#0



(Channel Bandwidth: 3 MHz)\_HCH\_16QAM\_15RB#0





**Channel Bandwidth: 5 MHz**

