

Appendix C: 26dB Bandwidth and Occupied Bandwidth LTE Band 4 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	1.0779	1.222	PASS
	MCH	6	0	1.0761	1.206	PASS
	HCH	6	0	1.0778	1.223	PASS
16QAM	LCH	6	0	1.0801	1.235	PASS
	MCH	6	0	1.0805	1.236	PASS
	HCH	6	0	1.0765	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	2.6830	2.873	PASS
	MCH	15	0	2.6805	2.873	PASS
	HCH	15	0	2.6829	2.875	PASS
16QAM	LCH	15	0	2.6866	2.872	PASS
	MCH	15	0	2.6849	2.861	PASS
	HCH	15	0	2.6863	2.884	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	4.4859	4.802	PASS
	MCH	25	0	4.4779	4.835	PASS
	HCH	25	0	4.4751	4.840	PASS
16QAM	LCH	25	0	4.4791	4.843	PASS
	MCH	25	0	4.4822	4.838	PASS
	HCH	25	0	4.4872	4.773	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	8.9411	9.506	PASS
	MCH	50	0	8.9349	9.479	PASS
	HCH	50	0	8.9347	9.460	PASS
16QAM	LCH	50	0	8.9390	9.454	PASS
	MCH	50	0	8.9438	9.429	PASS
	HCH	50	0	8.9340	9.453	PASS

Channel Bandwidth: 15 MHz

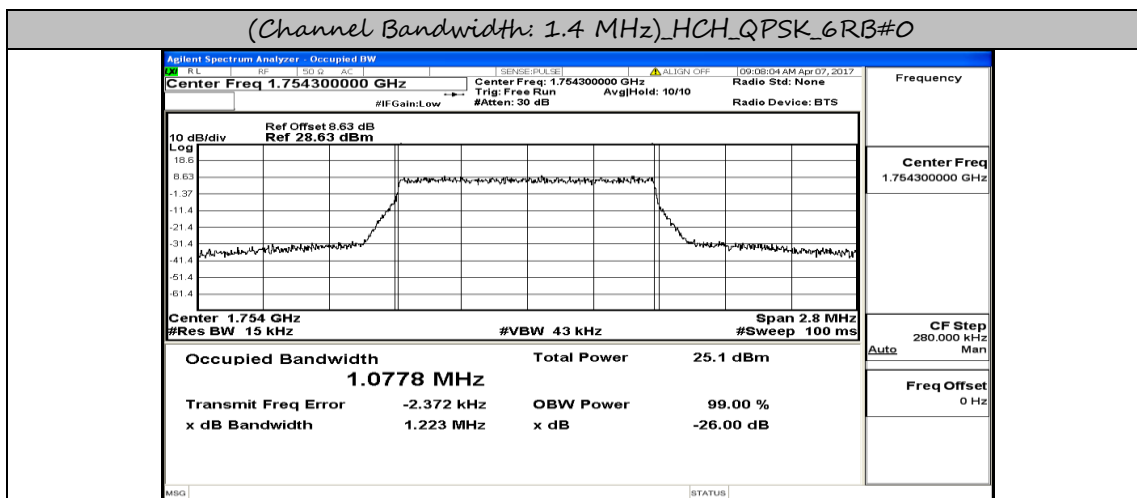
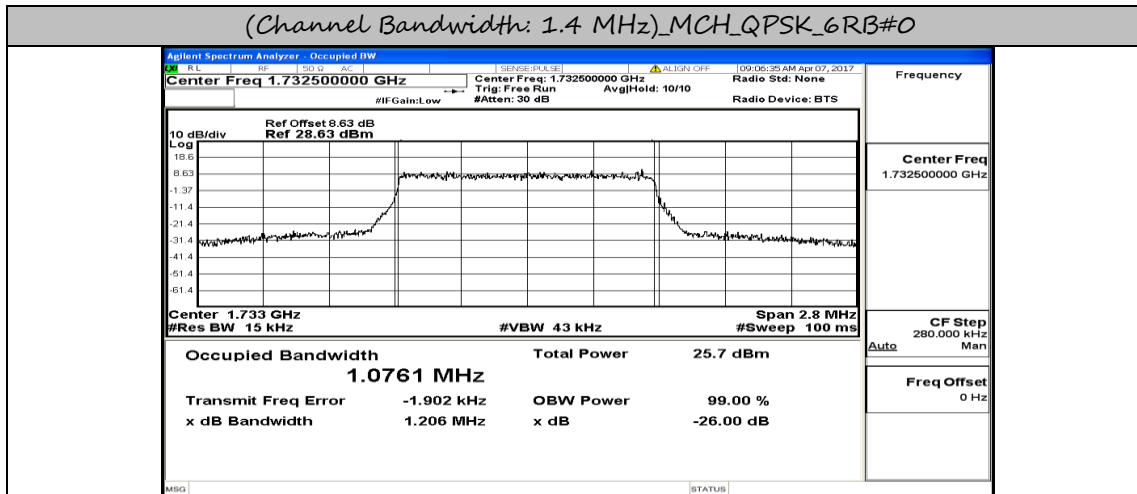
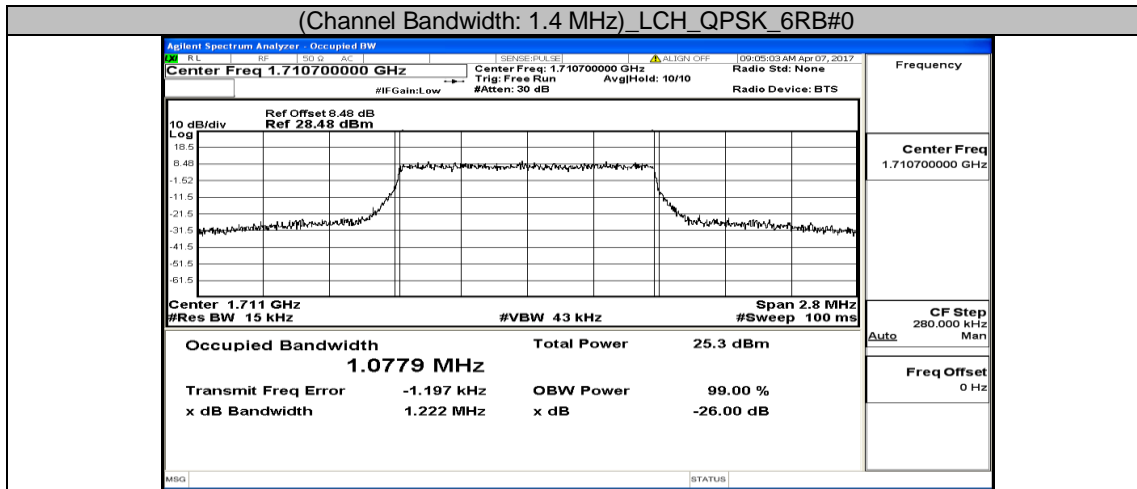
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.424	14.07	PASS
	MCH	75	0	13.413	14.16	PASS
	HCH	75	0	13.417	14.04	PASS
16QAM	LCH	75	0	13.413	14.07	PASS
	MCH	75	0	13.414	14.14	PASS
	MCH	75	0	13.416	14.11	PASS

Channel Bandwidth: 20 MHz

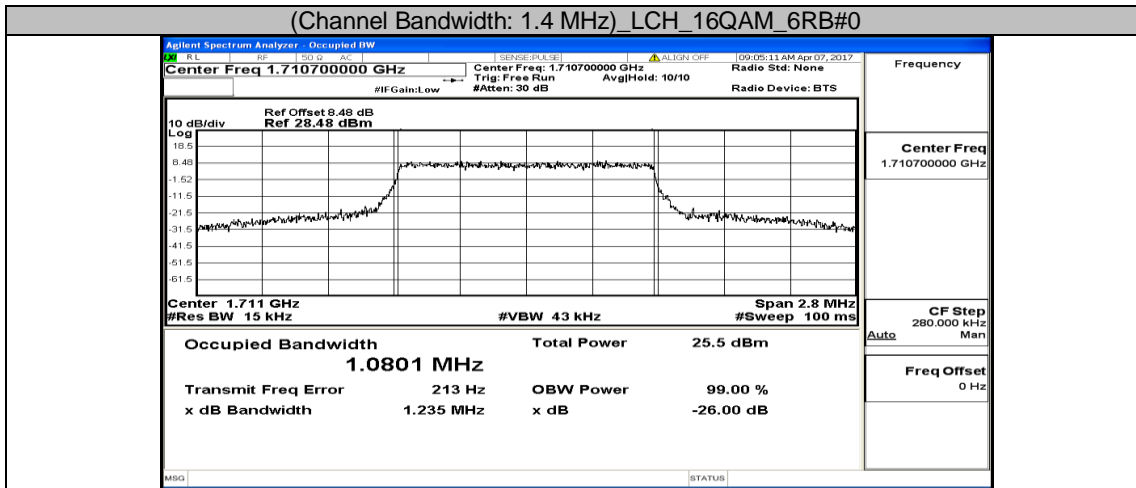
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.879	18.62	PASS
	MCH	100	0	17.861	18.64	PASS
	HCH	100	0	17.862	18.63	PASS
16QAM	LCH	100	0	17.876	18.59	PASS
	MCH	100	0	17.863	18.60	PASS
	HCH	100	0	17.864	18.59	PASS

Test Graphs

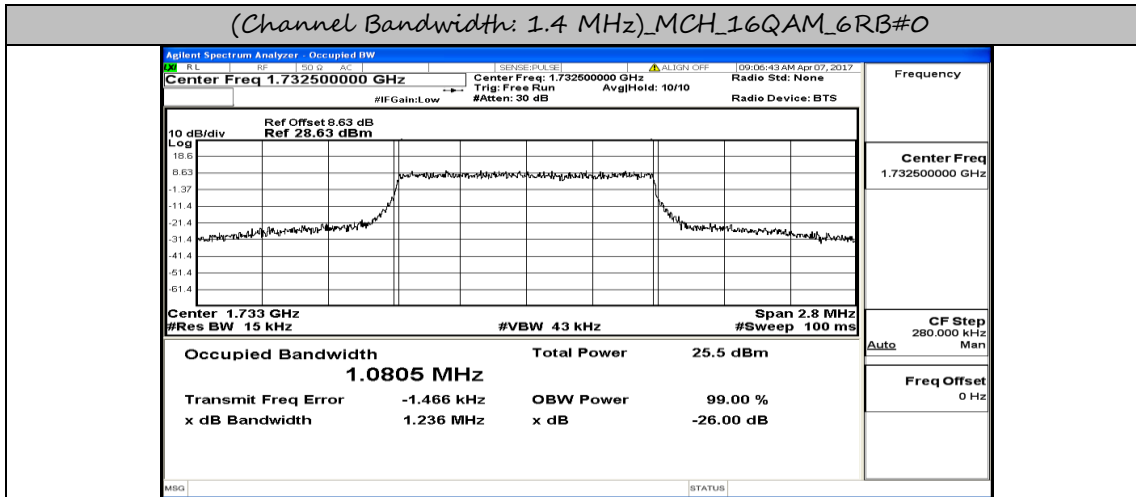
Channel Bandwidth: 1.4 MHz



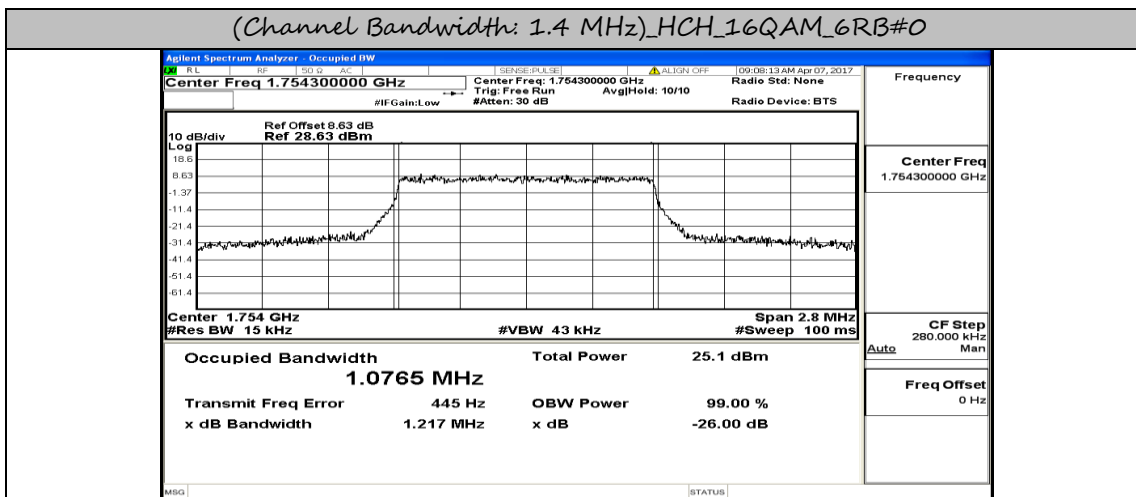
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



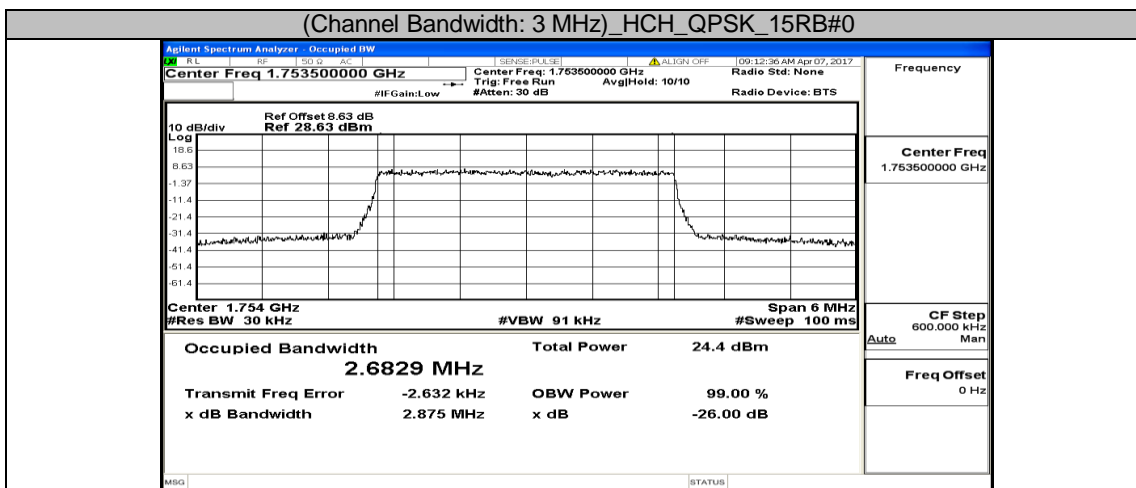
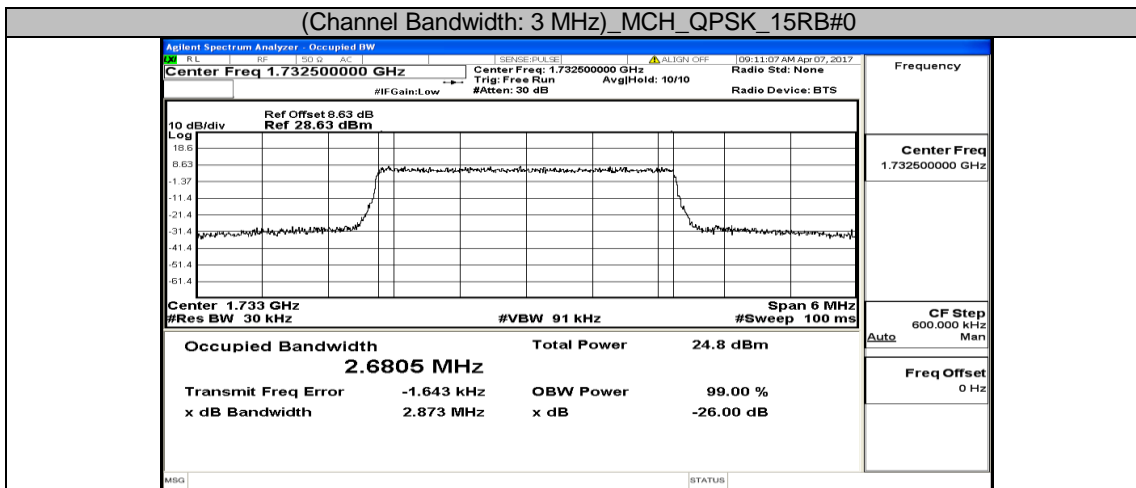
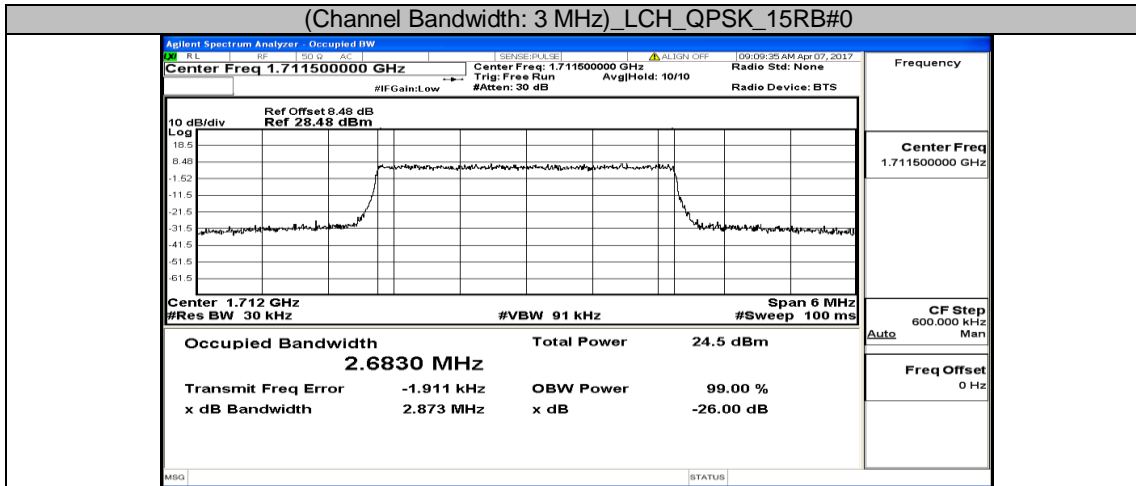
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



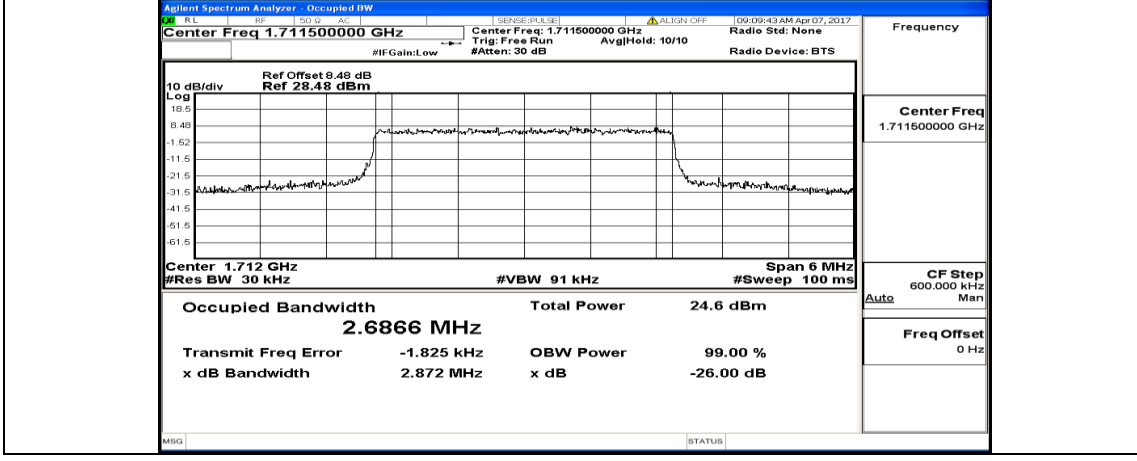
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



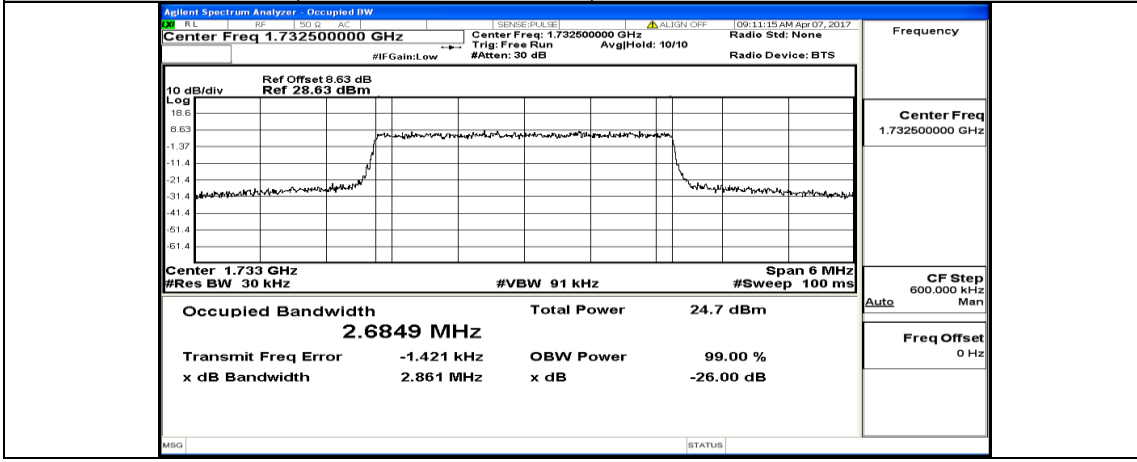
Channel Bandwidth: 3 MHz



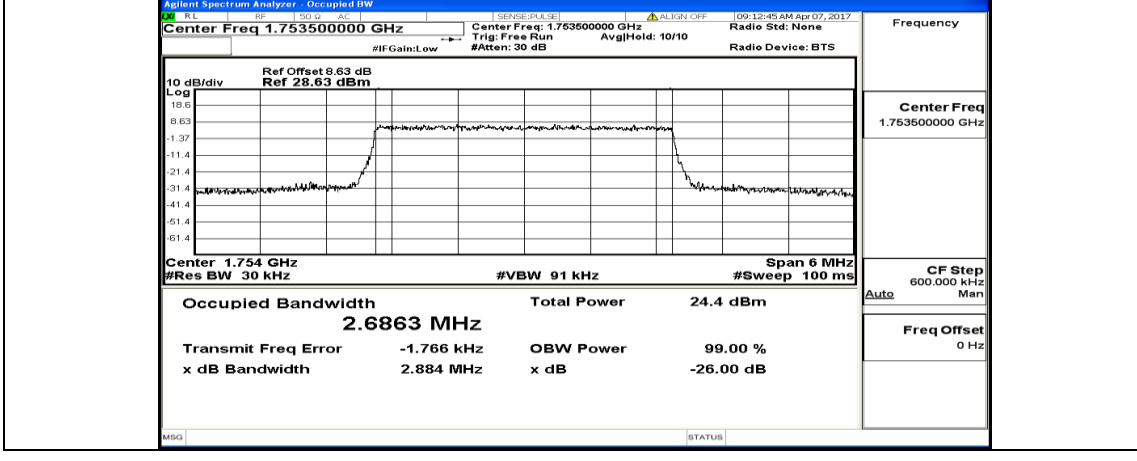
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



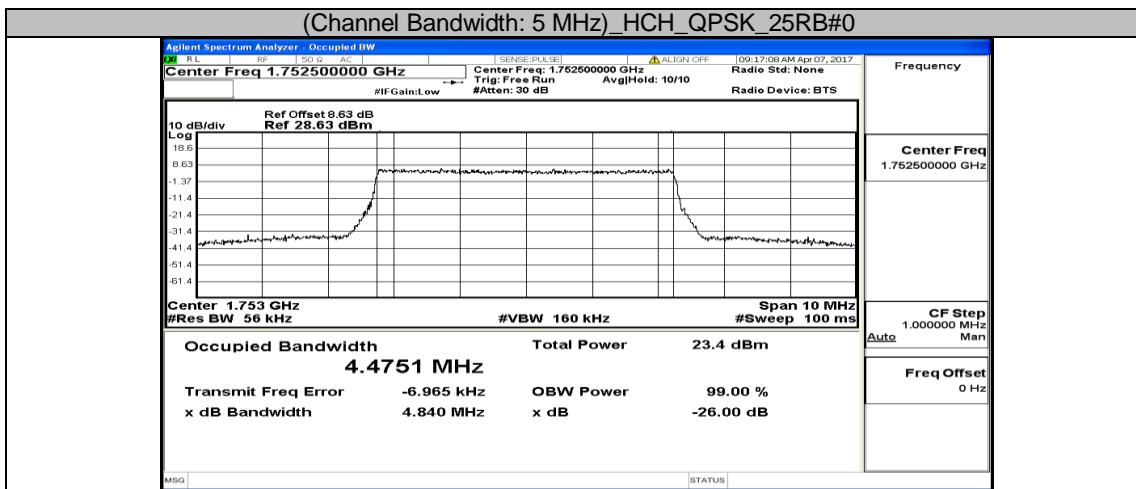
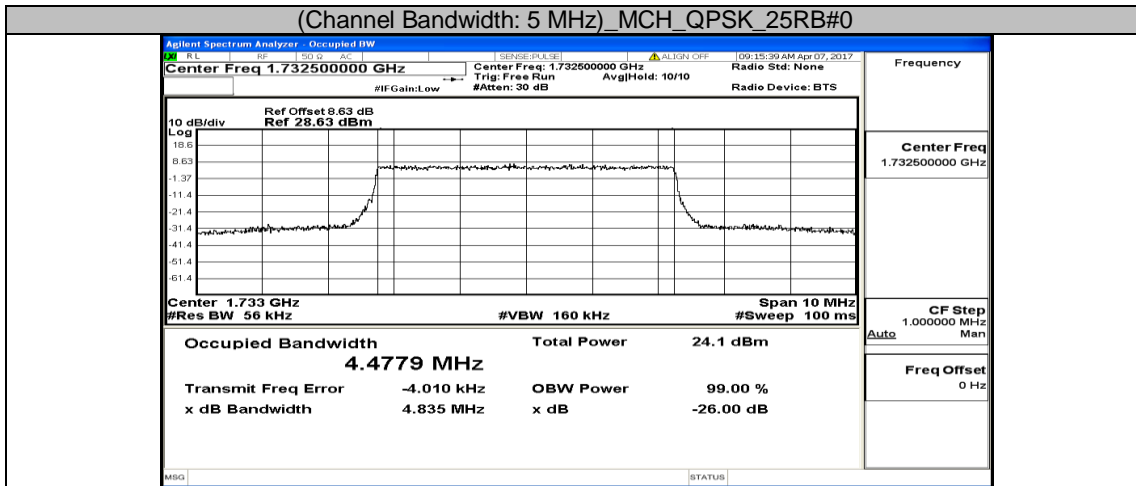
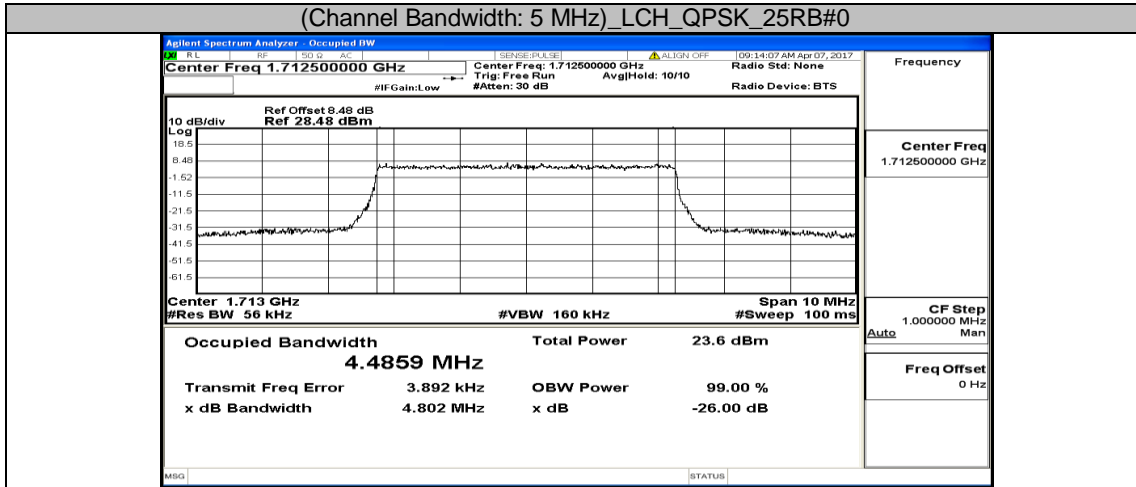
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



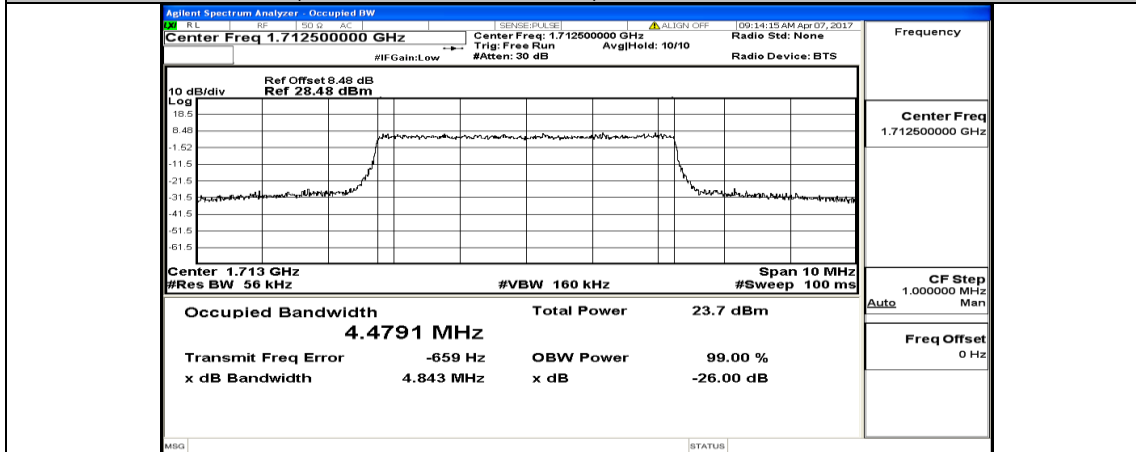
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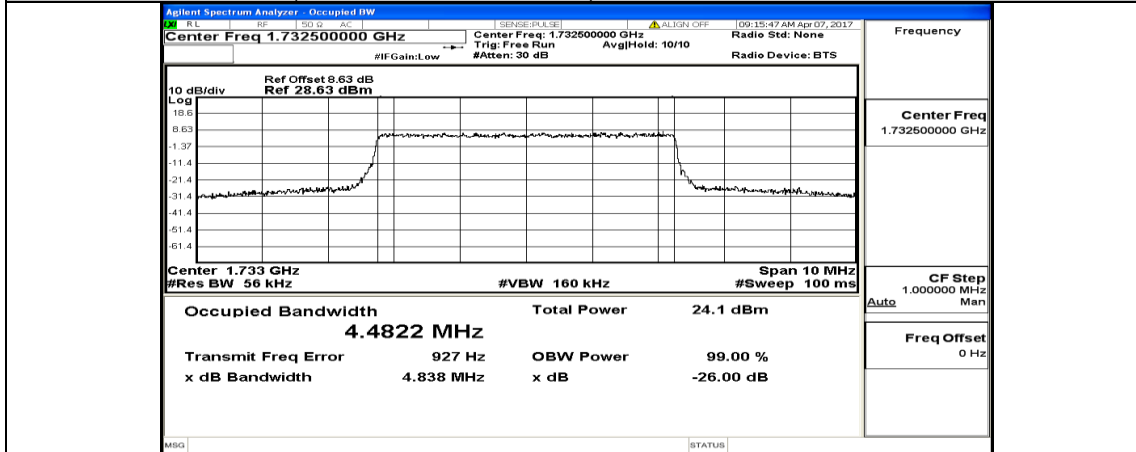
Channel Bandwidth: 5 MHz



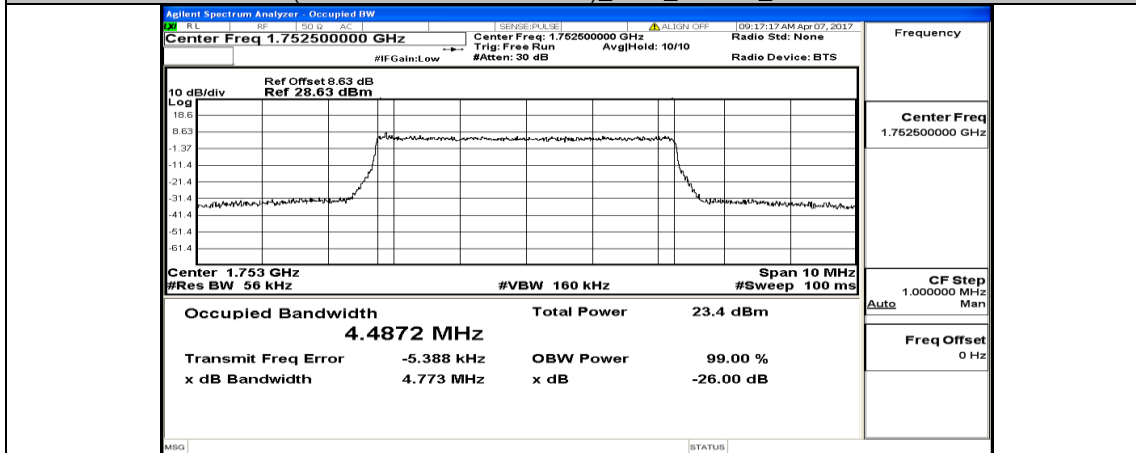
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



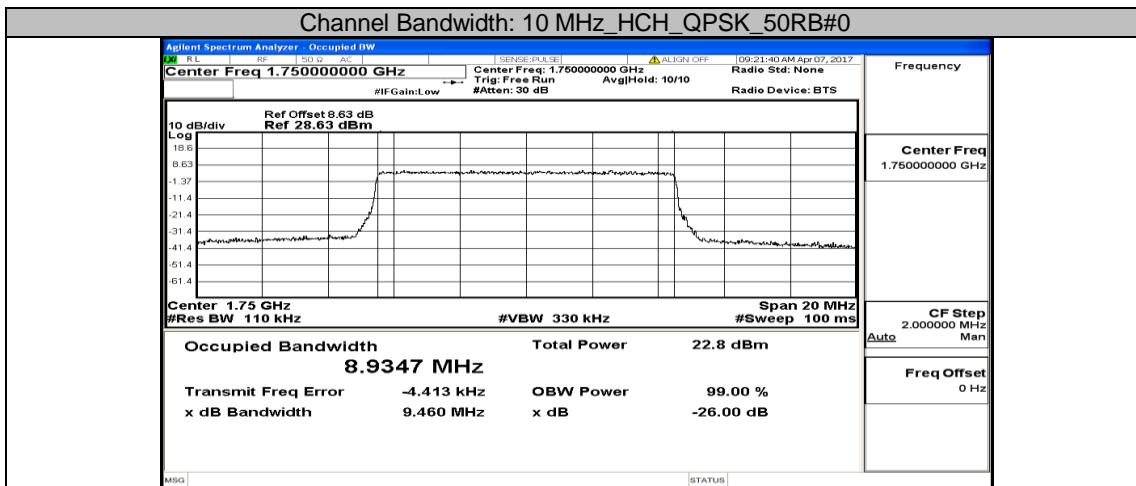
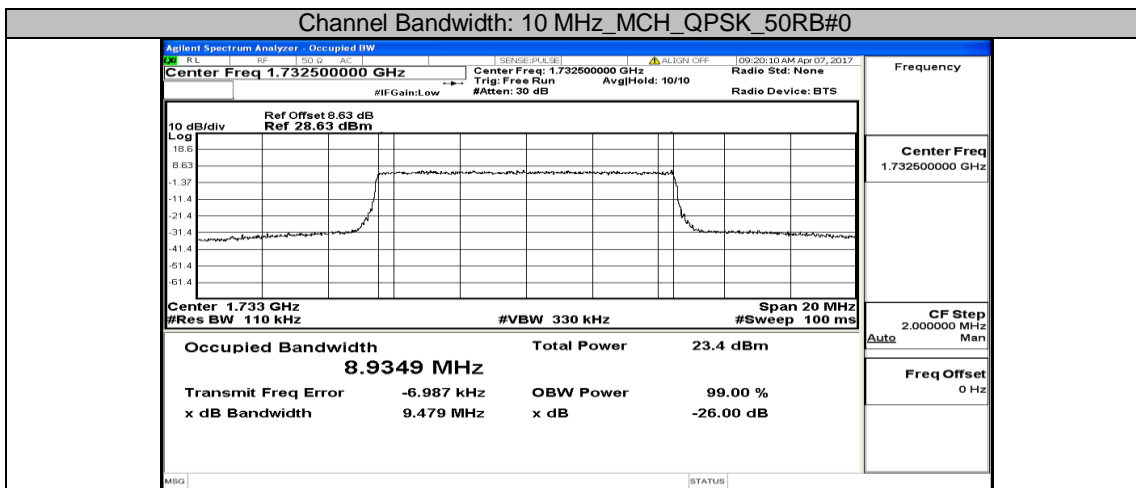
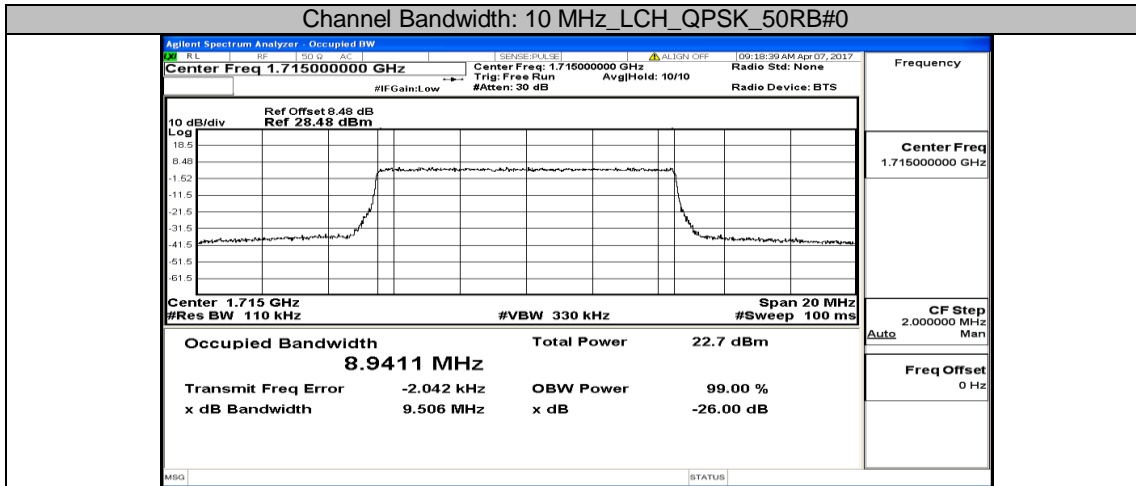
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



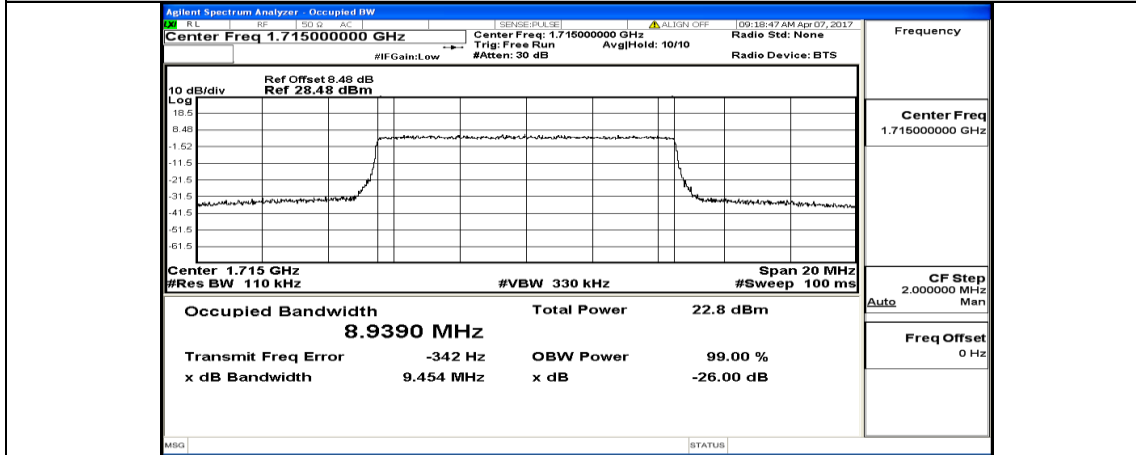
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



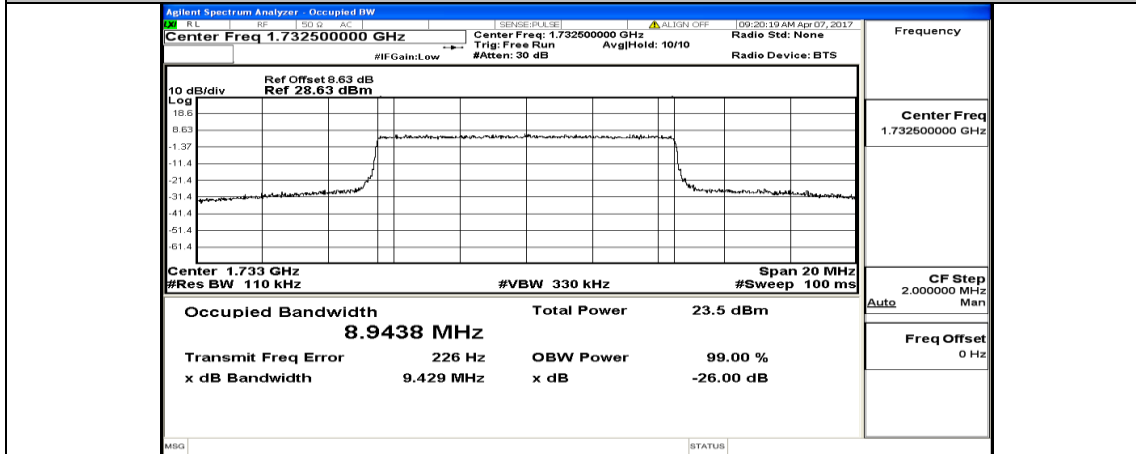
Channel Bandwidth: 10 MHz



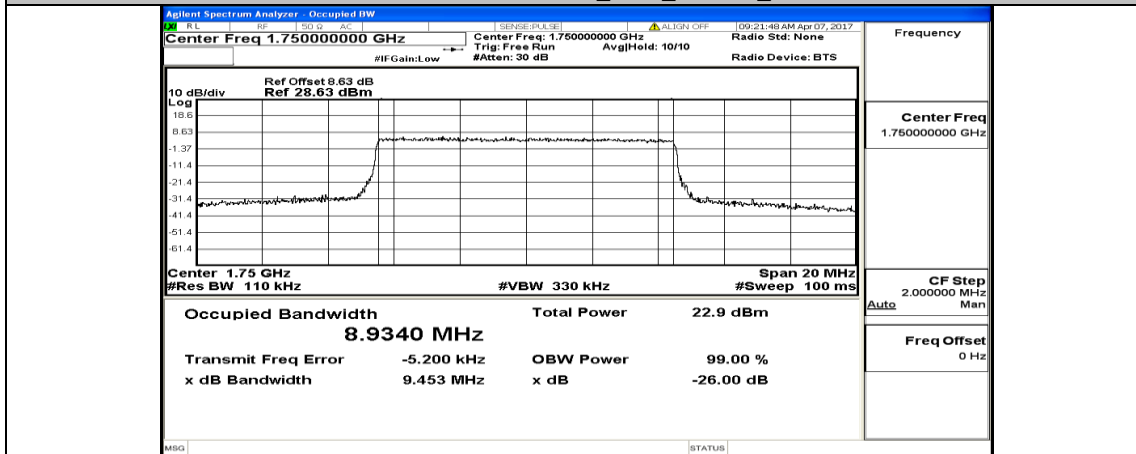
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



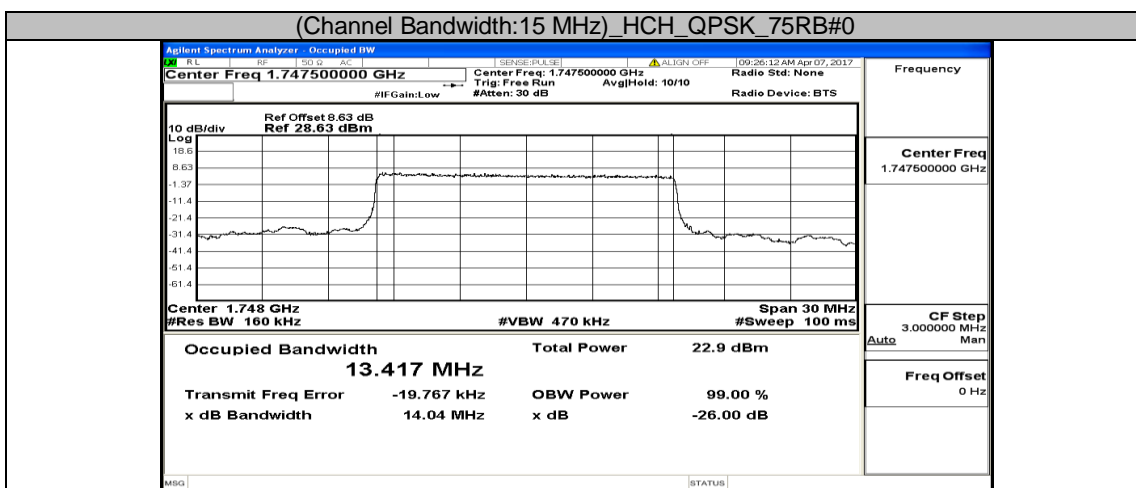
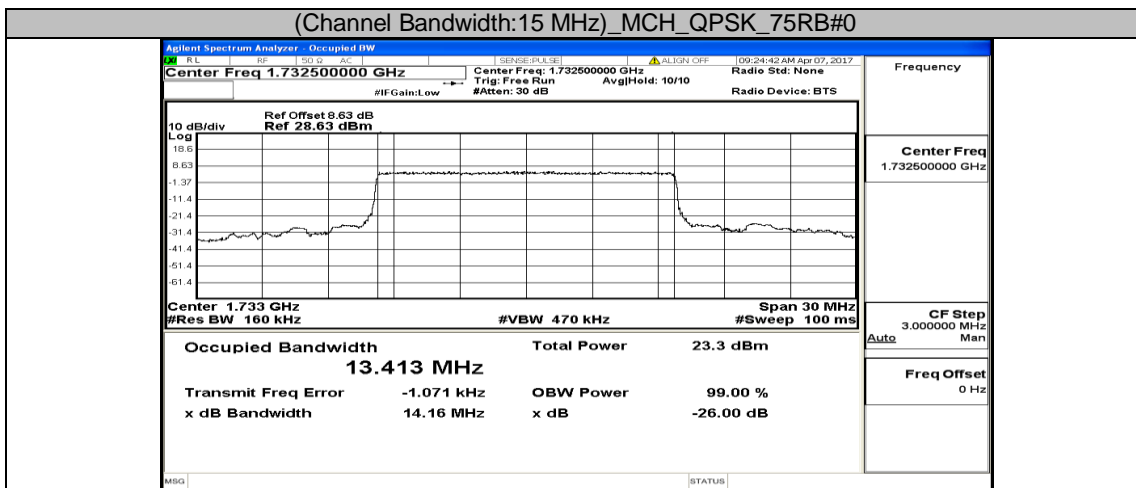
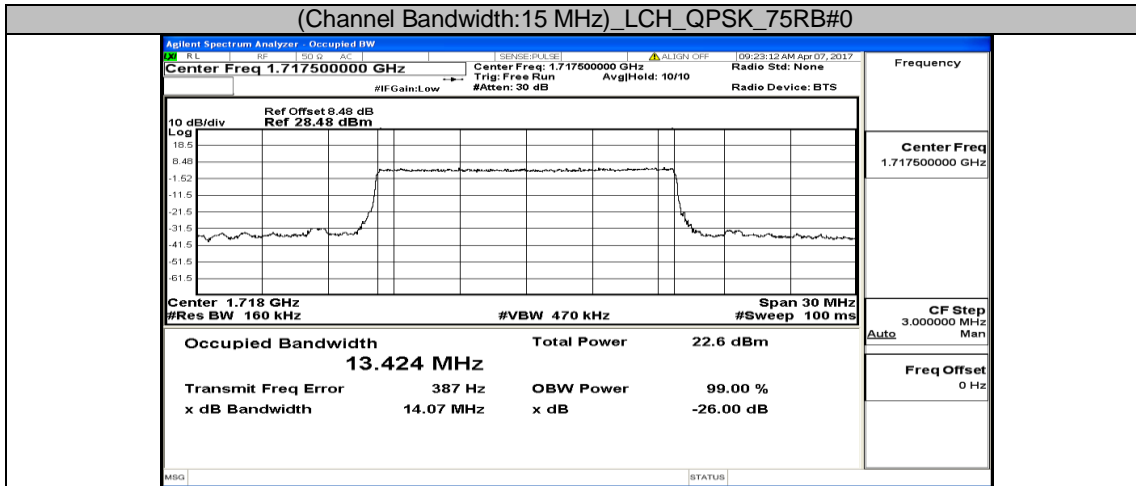
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



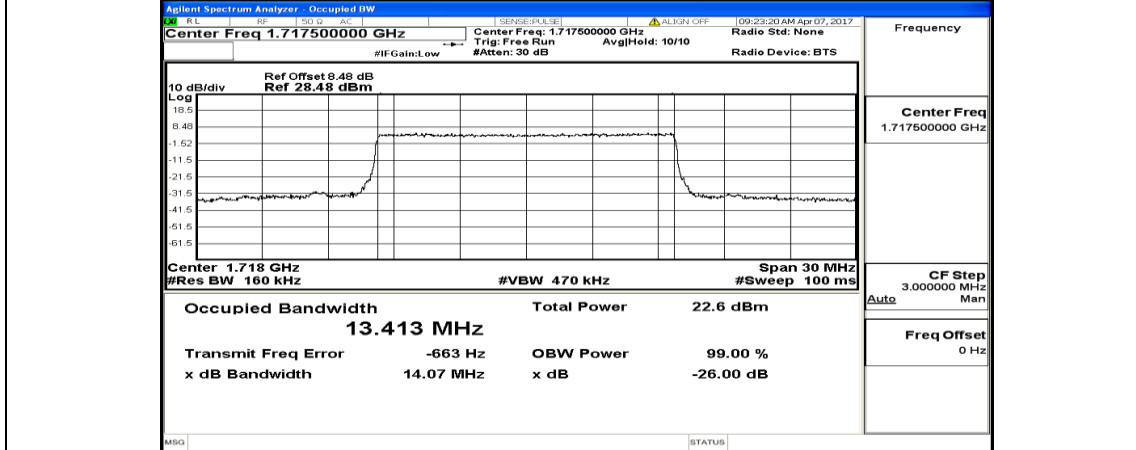
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



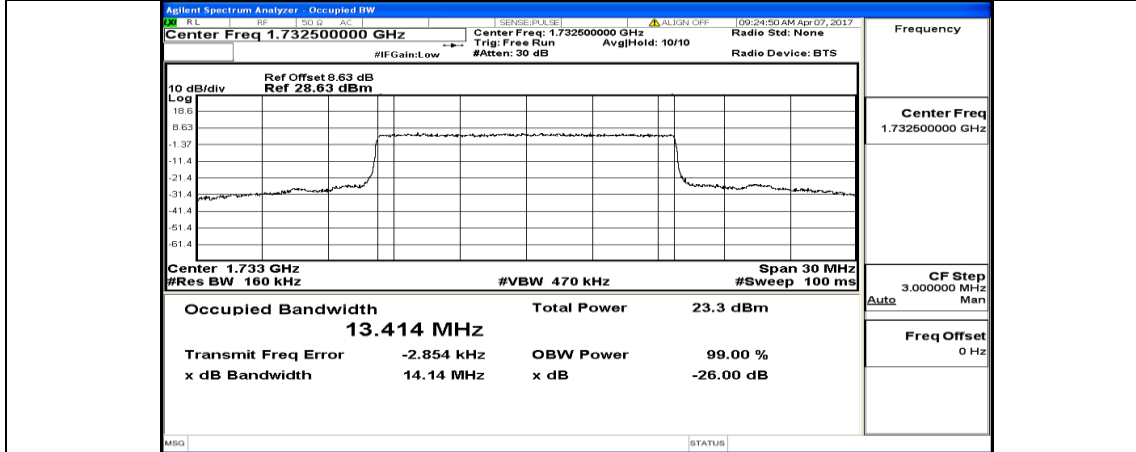
Channel Bandwidth: 15 MHz



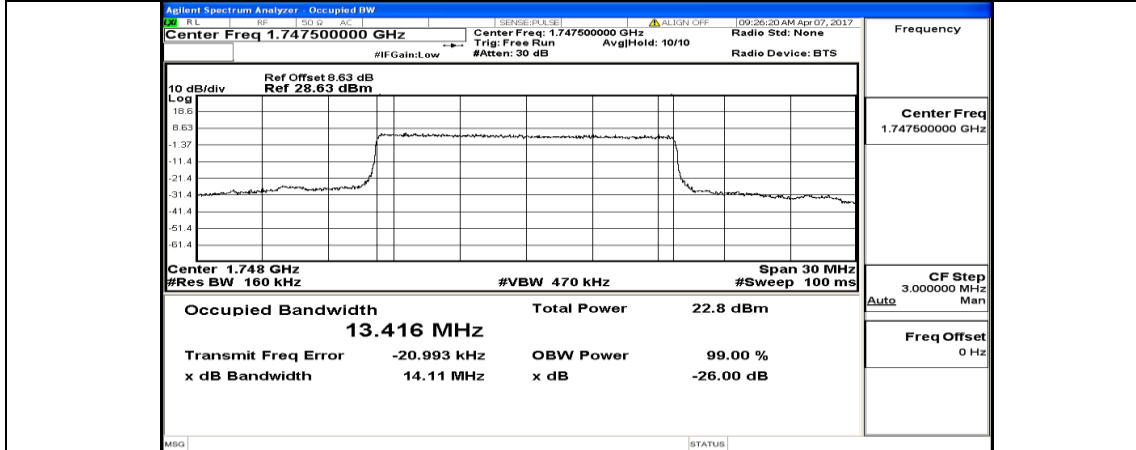
(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0



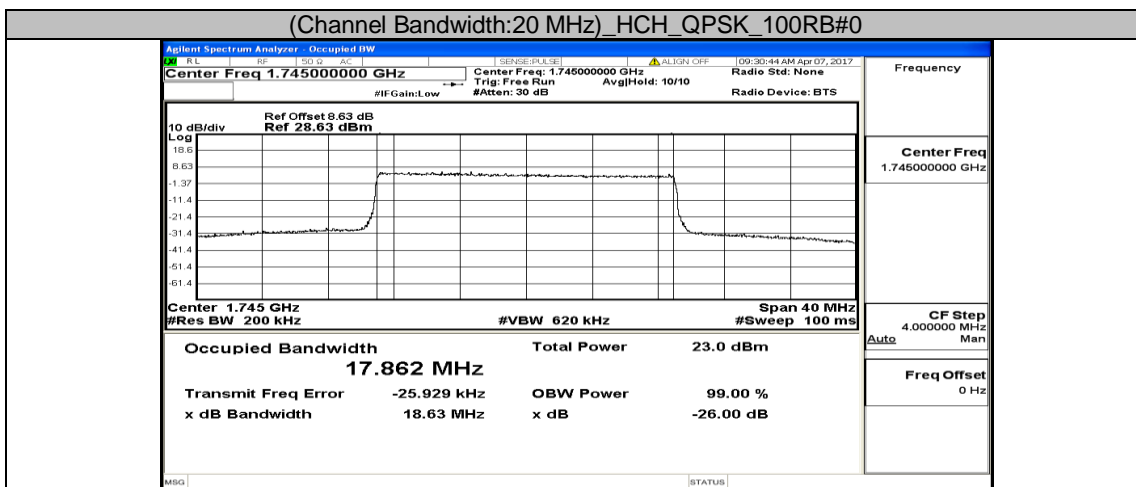
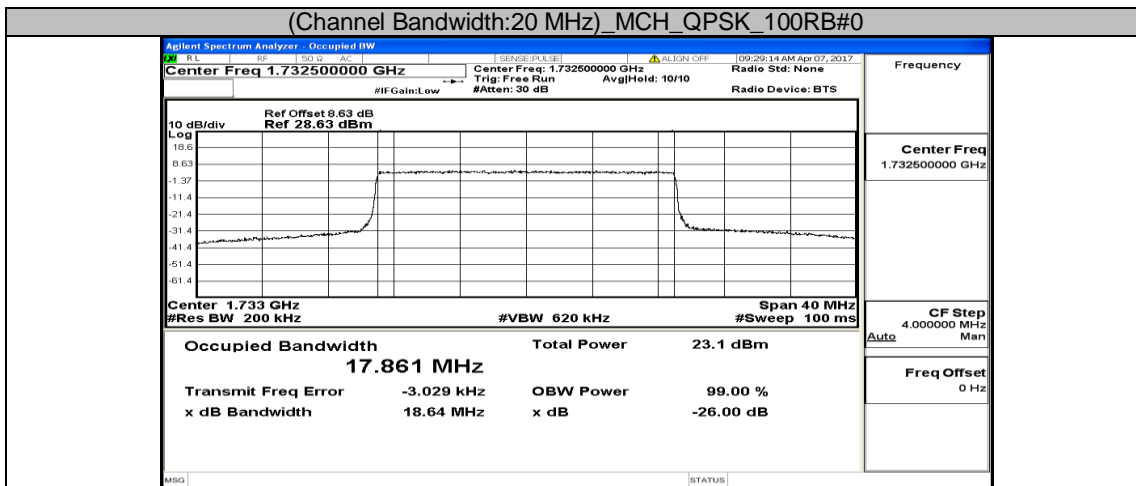
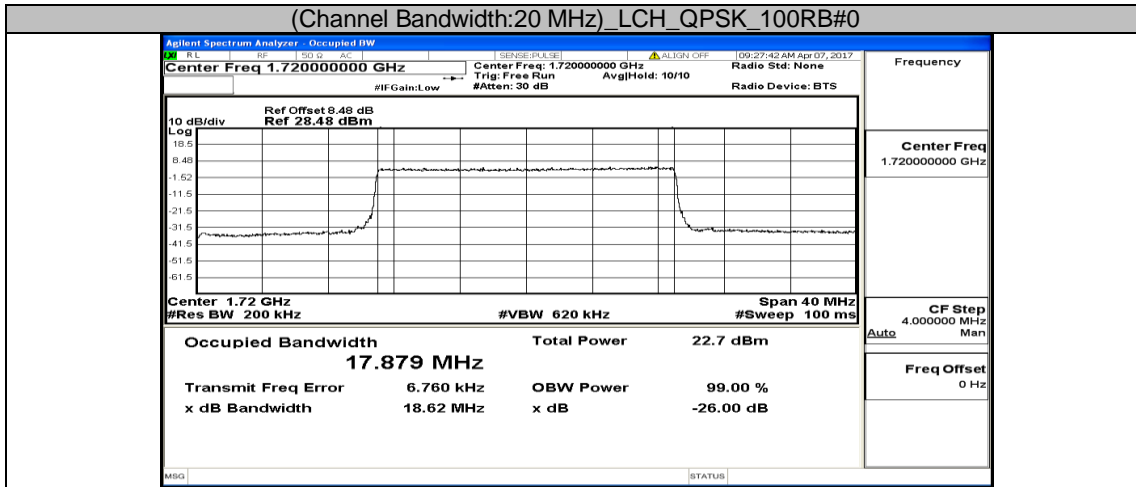
(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0



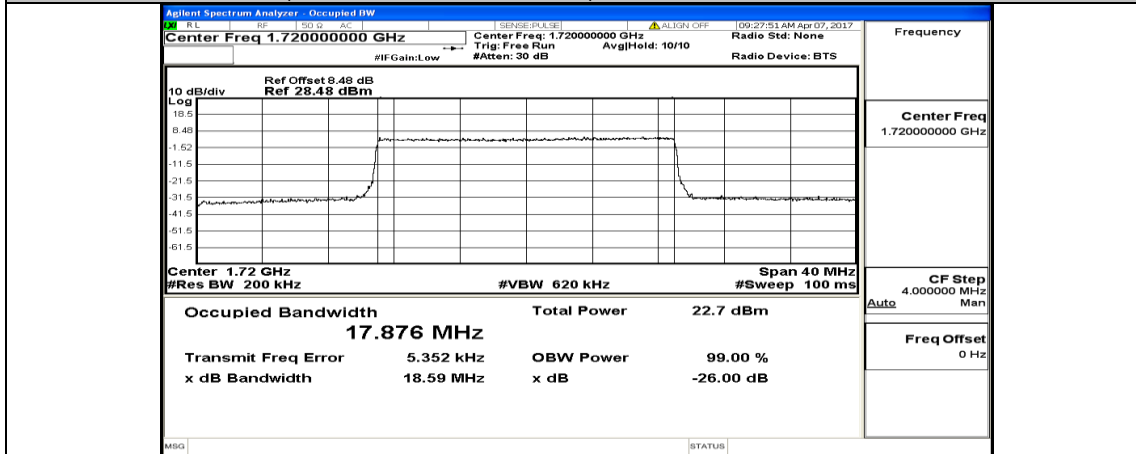
(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0



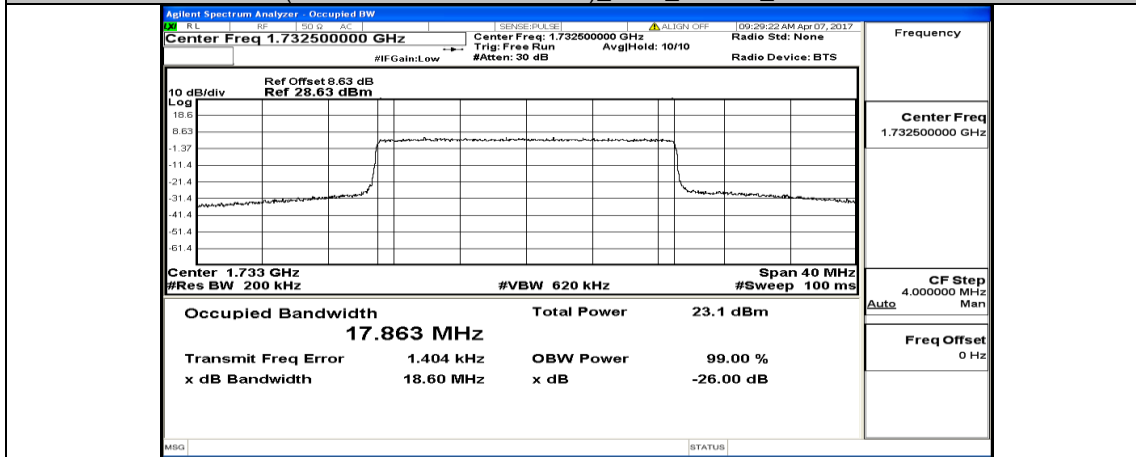
Channel Bandwidth: 20 MHz



(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

