

[WiMax only_4FA]

6.4.5. Test Data at Output Port 1

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.977	40.926
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.978	40.927
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.965	40.923
16QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.979	40.924
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.974	40.928
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.963	40.920
64QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.978	40.925
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.979	40.927
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.965	40.918

6.4.6. Test Data at Output Port 2

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.978	40.930
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.969	40.926
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.968	40.925
16QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.975	40.930
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.968	40.924
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.964	40.921
64QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.978	40.931
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.969	40.928
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.964	40.923

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 103 of 303

6.4.7. Test Data at Output Port 3

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.976	40.930
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.976	40.927
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.970	40.924
16QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.991	40.928
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.977	40.928
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.969	40.923
64QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.975	40.929
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.974	40.925
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.969	40.924

6.4.8. Test Data at Output Port 4

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.974	40.932
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.980	40.929
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.968	40.924
16QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.970	40.929
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.976	40.928
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.967	40.923
64QAM	2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	38.967	40.930
	2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	38.979	40.930
	2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	38.965	40.926

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 104 of 303

[WiMax_2FA Power Boosting mode]

6.4.9. Test Data at Output Port 1

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2513.5 (2508.5 & 2518.5)	19.105	20.116
	2635.5 (2630.5 & 2640.5)	19.106	20.120
	2678.5 (2673.5 & 2683.5)	19.108	20.118
16QAM	2513.5 (2508.5 & 2518.5)	19.104	20.115
	2635.5 (2630.5 & 2640.5)	19.105	20.118
	2678.5 (2673.5 & 2683.5)	19.106	20.120
64QAM	2513.5 (2508.5 & 2518.5)	19.104	20.115
	2635.5 (2630.5 & 2640.5)	19.104	20.120
	2678.5 (2673.5 & 2683.5)	19.108	20.118

6.4.10. Test Data at Output Port 2

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2513.5 (2508.5 & 2518.5)	19.105	20.117
	2635.5 (2630.5 & 2640.5)	19.106	20.117
	2678.5 (2673.5 & 2683.5)	19.105	20.119
16QAM	2513.5 (2508.5 & 2518.5)	19.104	20.114
	2635.5 (2630.5 & 2640.5)	19.104	20.116
	2678.5 (2673.5 & 2683.5)	19.104	20.118
64QAM	2513.5 (2508.5 & 2518.5)	19.105	20.115
	2635.5 (2630.5 & 2640.5)	19.105	20.117
	2678.5 (2673.5 & 2683.5)	19.105	20.117

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 105 of 303

6.4.11. Test Data at Output Port 3

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2513.5 (2508.5 & 2518.5)	19.106	20.118
	2635.5 (2630.5 & 2640.5)	19.106	20.119
	2678.5 (2673.5 & 2683.5)	19.112	20.119
16QAM	2513.5 (2508.5 & 2518.5)	19.104	20.115
	2635.5 (2630.5 & 2640.5)	19.106	20.115
	2678.5 (2673.5 & 2683.5)	19.109	20.116
64QAM	2513.5 (2508.5 & 2518.5)	19.105	20.116
	2635.5 (2630.5 & 2640.5)	19.105	20.115
	2678.5 (2673.5 & 2683.5)	19.111	20.118

6.4.12. Test Data at Output Port 4

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2513.5 (2508.5 & 2518.5)	19.107	20.118
	2635.5 (2630.5 & 2640.5)	19.103	20.119
	2678.5 (2673.5 & 2683.5)	19.101	20.117
16QAM	2513.5 (2508.5 & 2518.5)	19.106	20.116
	2635.5 (2630.5 & 2640.5)	19.102	20.117
	2678.5 (2673.5 & 2683.5)	19.100	20.116
64QAM	2513.5 (2508.5 & 2518.5)	19.106	20.116
	2635.5 (2630.5 & 2640.5)	19.102	20.117
	2678.5 (2673.5 & 2683.5)	19.100	20.116

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 106 of 303

[TD-LTE Power Boosting mode]

6.4.13. Test Data at Output Port 1

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2506	17.877	18.883
	2592	17.873	18.914
	2680	17.882	18.915
16QAM	2506	17.890	18.890
	2592	17.887	18.902
	2680	17.898	18.898
64QAM	2506	17.923	18.973
	2592	17.927	18.971
	2680	17.929	18.985

6.4.14. Test Data at Output Port 2

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2506	17.863	18.893
	2592	17.874	18.914
	2680	17.879	18.915
16QAM	2506	17.882	18.921
	2592	17.883	18.879
	2680	17.884	18.897
64QAM	2506	17.925	18.964
	2592	17.927	18.976
	2680	17.925	18.984

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 107 of 303

6.4.15. Test Data at Output Port 3

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2506	17.867	18.895
	2592	17.865	18.873
	2680	17.875	18.910
16QAM	2506	17.892	18.896
	2592	17.887	18.887
	2680	17.888	18.923
64QAM	2506	17.924	18.983
	2592	17.925	18.965
	2680	17.932	18.993

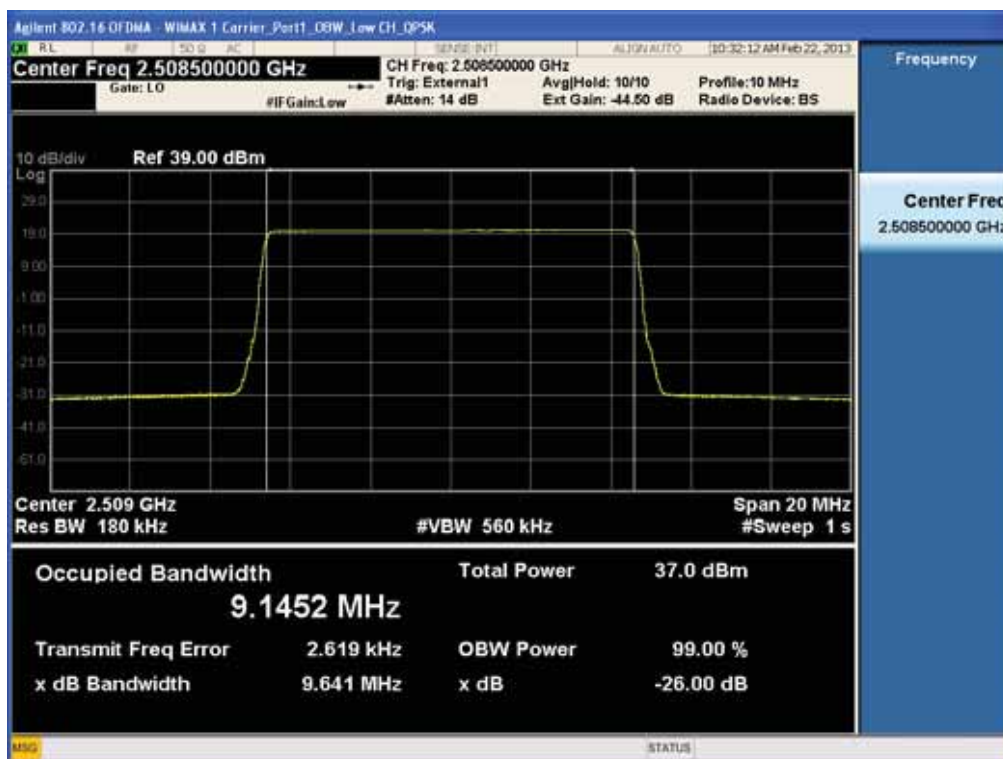
6.4.16. Test Data at Output Port 4

Modulation	Frequency	Measured Bandwidth	
		99 %	26 dB
QPSK	2506	17.880	18.876
	2592	17.880	18.896
	2680	17.870	18.910
16QAM	2506	17.876	18.895
	2592	17.883	18.909
	2680	17.886	18.896
64QAM	2506	17.927	18.984
	2592	17.888	18.891
	2680	17.921	18.987

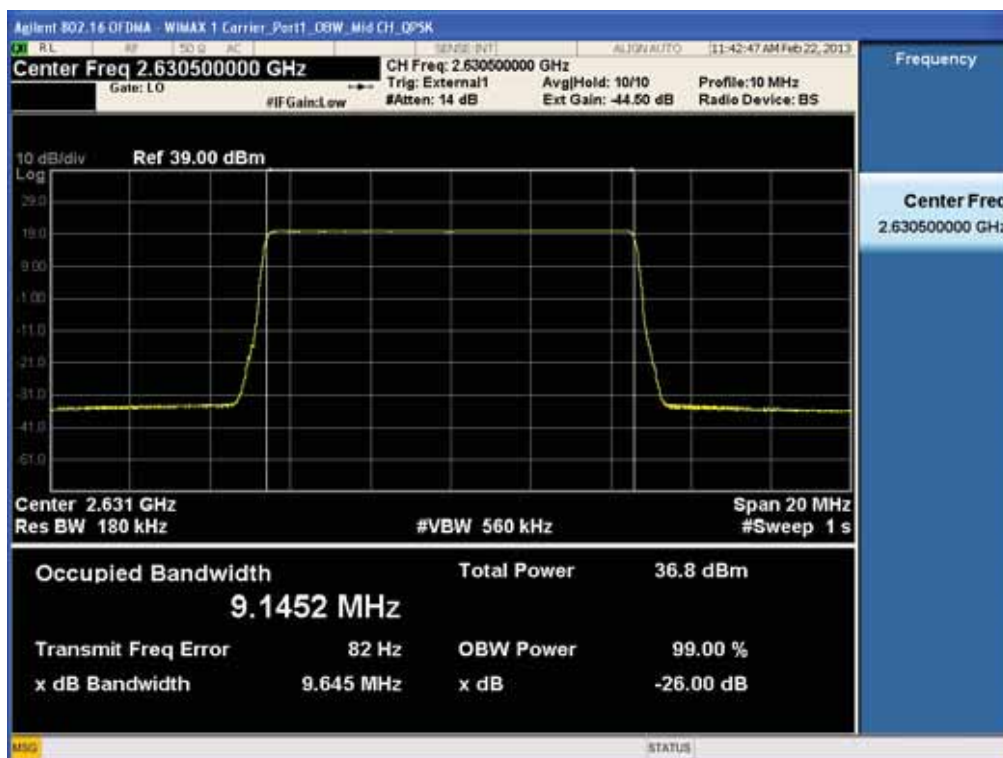
[WiMax only_1FA]

6.4.17. Plot Data for Output Port 1 (Occupied Bandwidth)

(QPSK Low Channel)

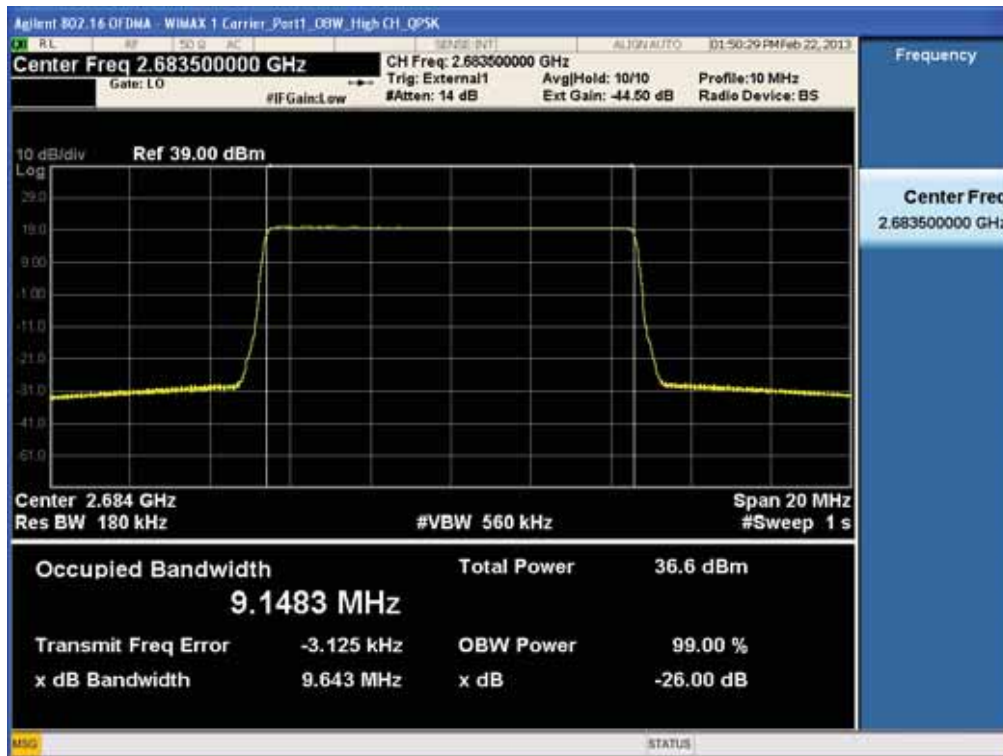


(QPSK Middle Channel)

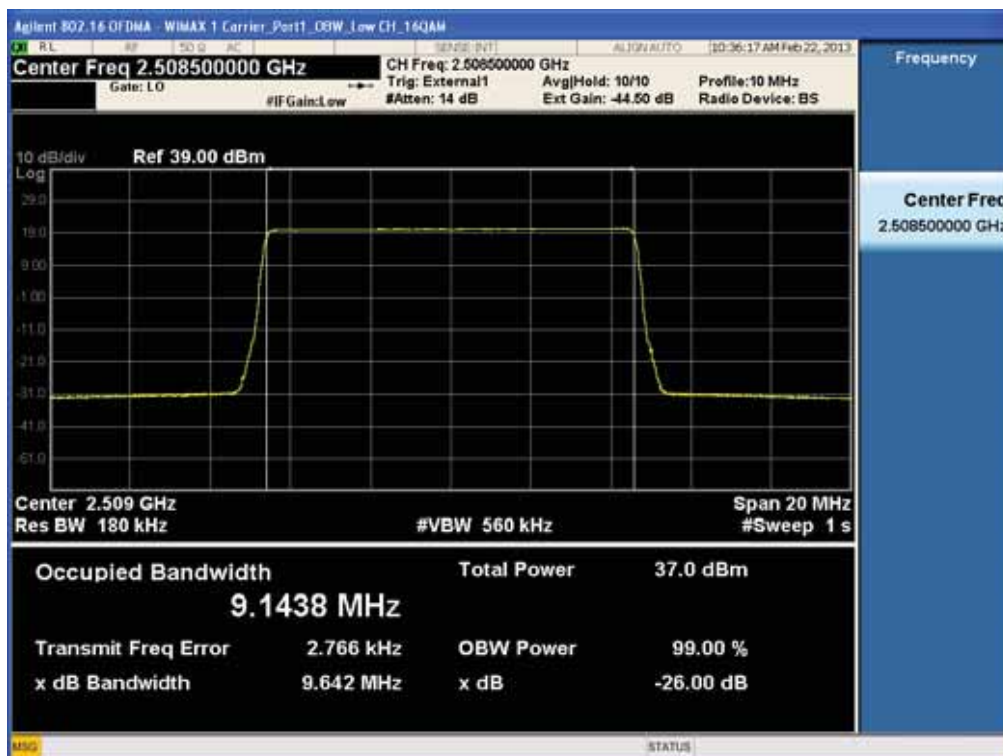


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 109 of 303

(QPSK High Channel)

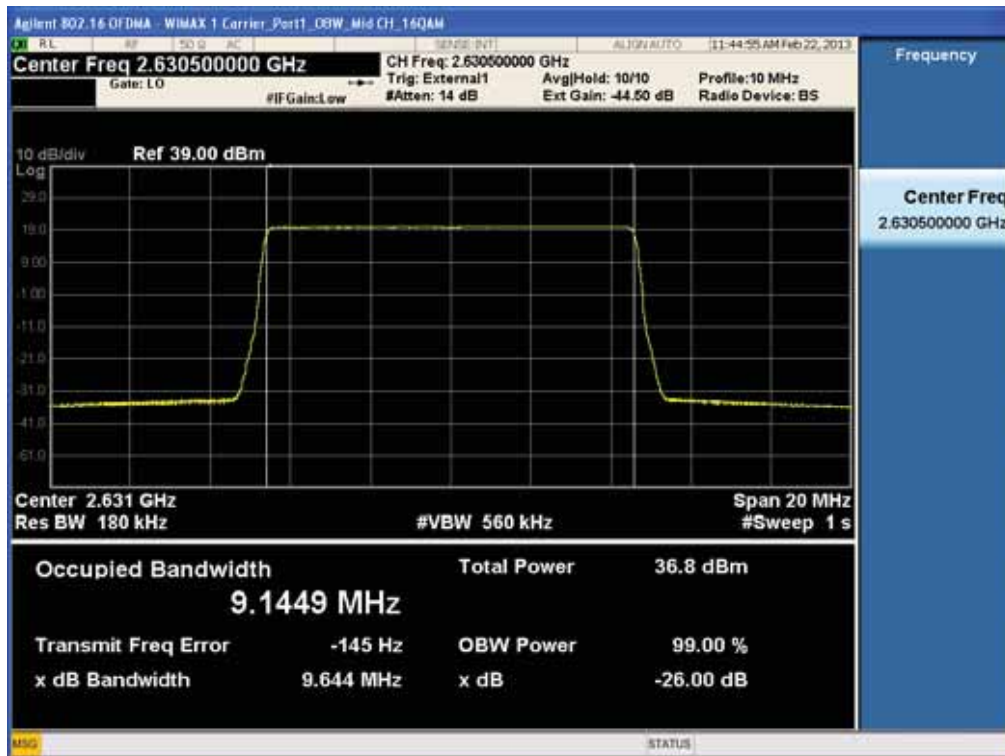


(16QAM Low Channel)

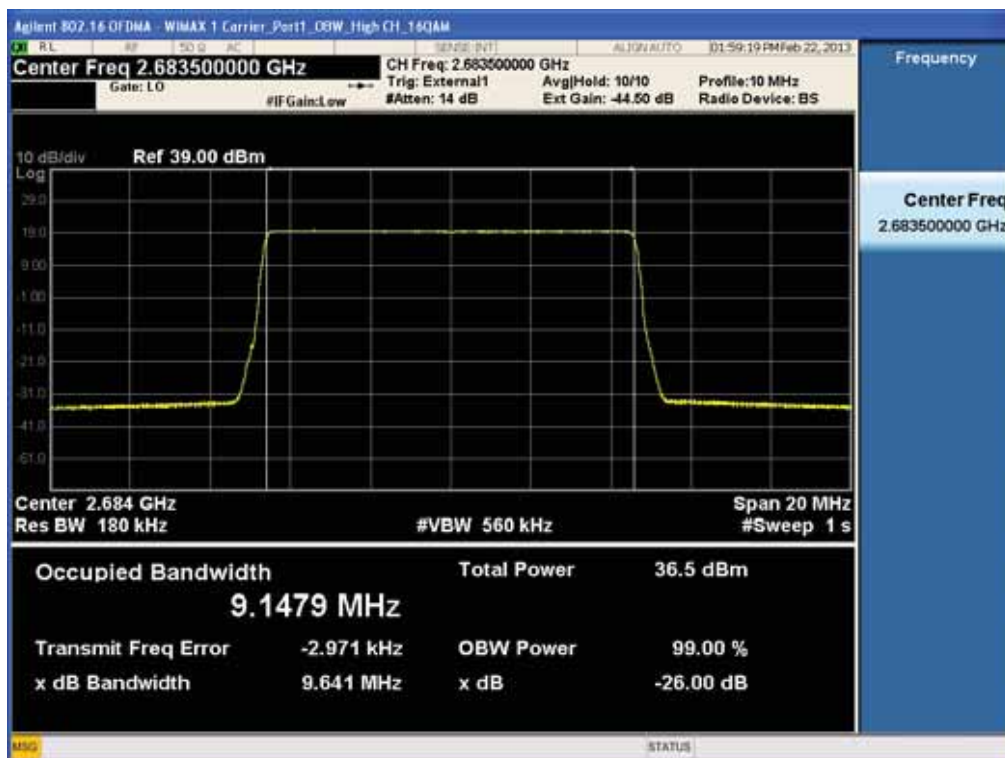


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 110 of 303

(16QAM Middle Channel)

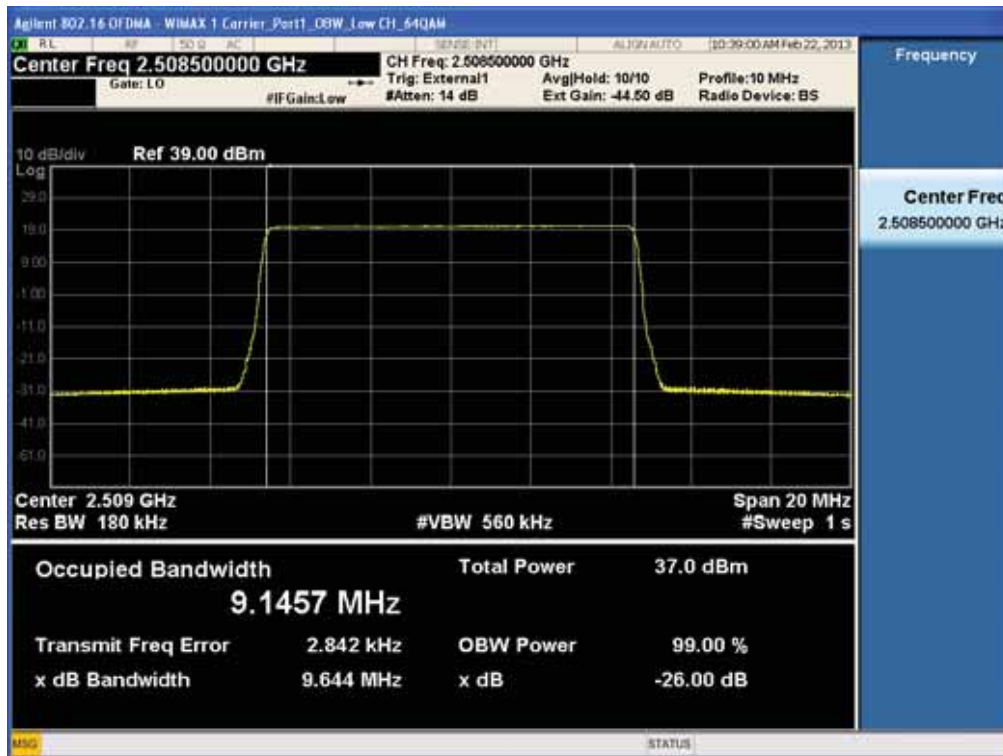


(16QAM High Channel)

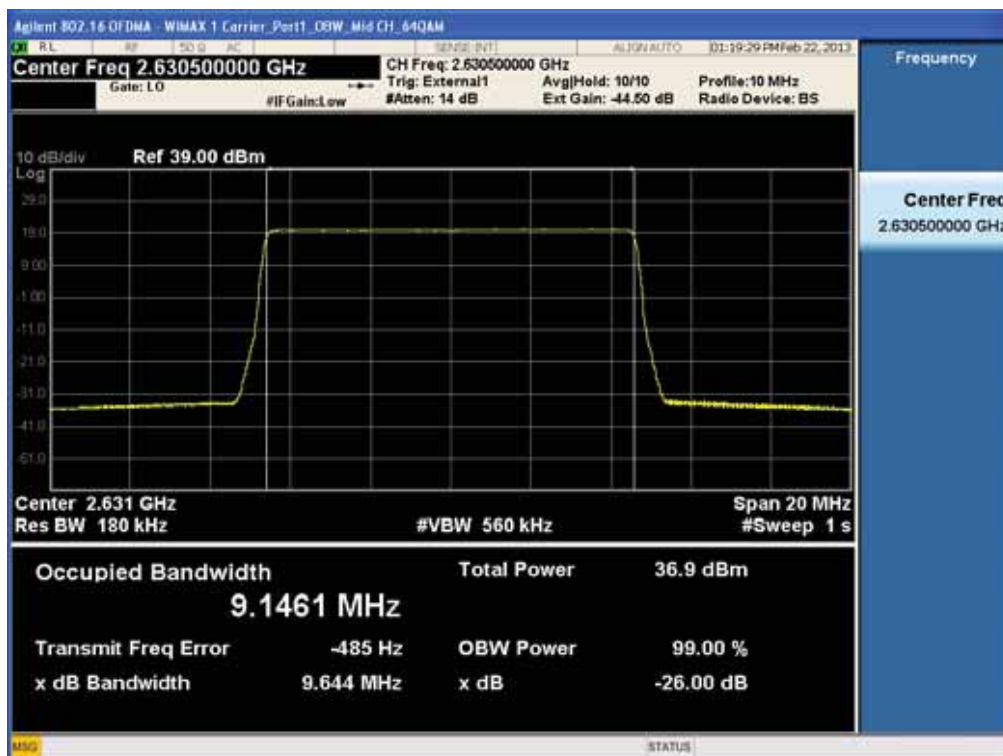


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 111 of 303

(64QAM Low Channel)

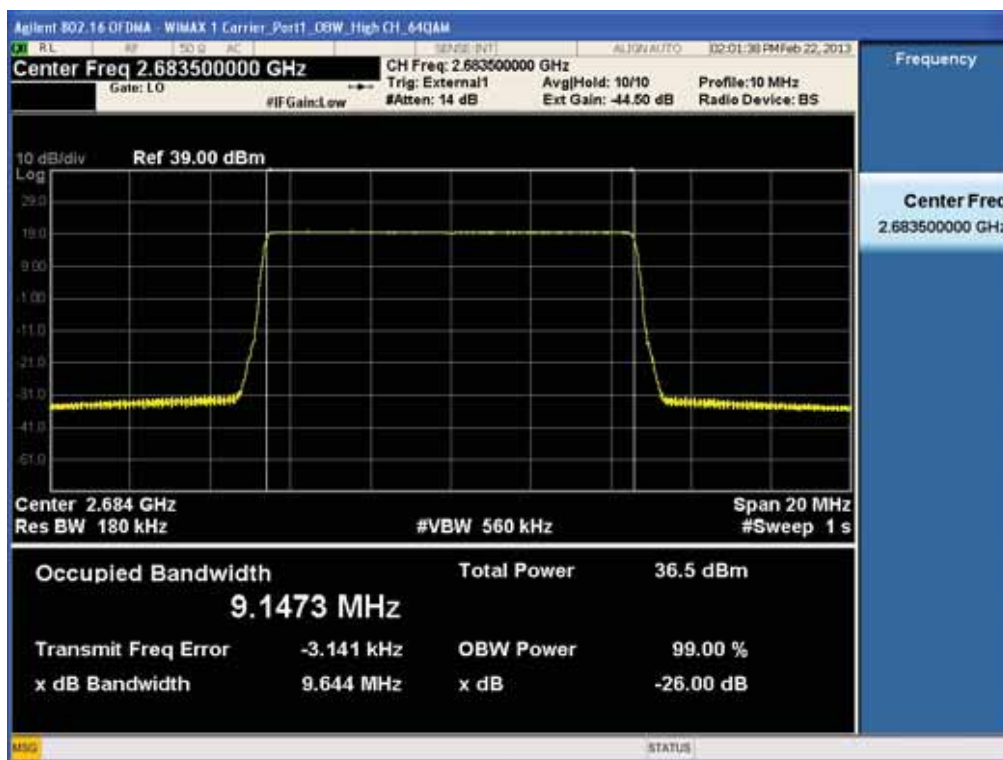


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 112 of 303

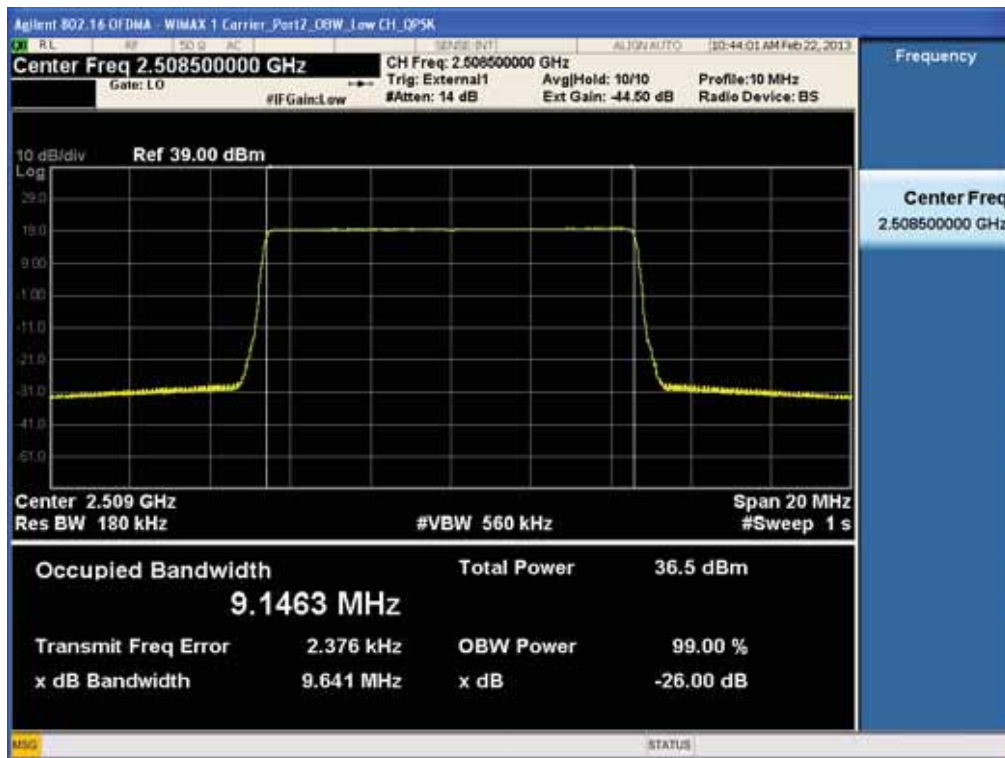
(64QAM High Channel)



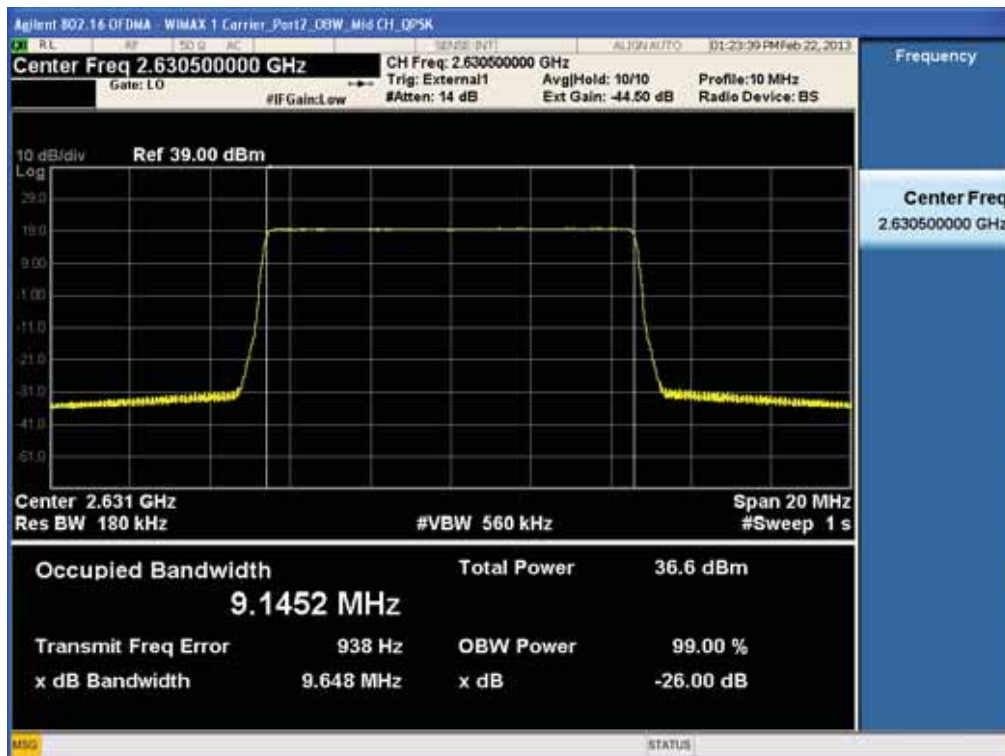
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 113 of 303

6.4.18. Plot Data for Output Port 2 (Occupied Bandwidth)

(QPSK Low Channel)

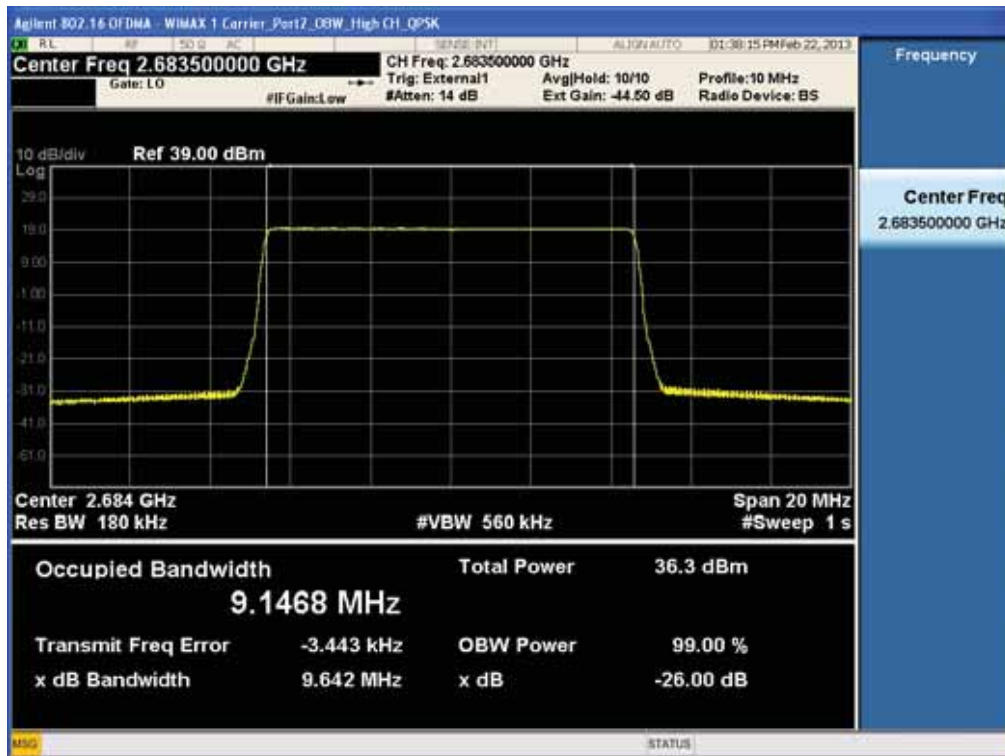


(QPSK Middle Channel)

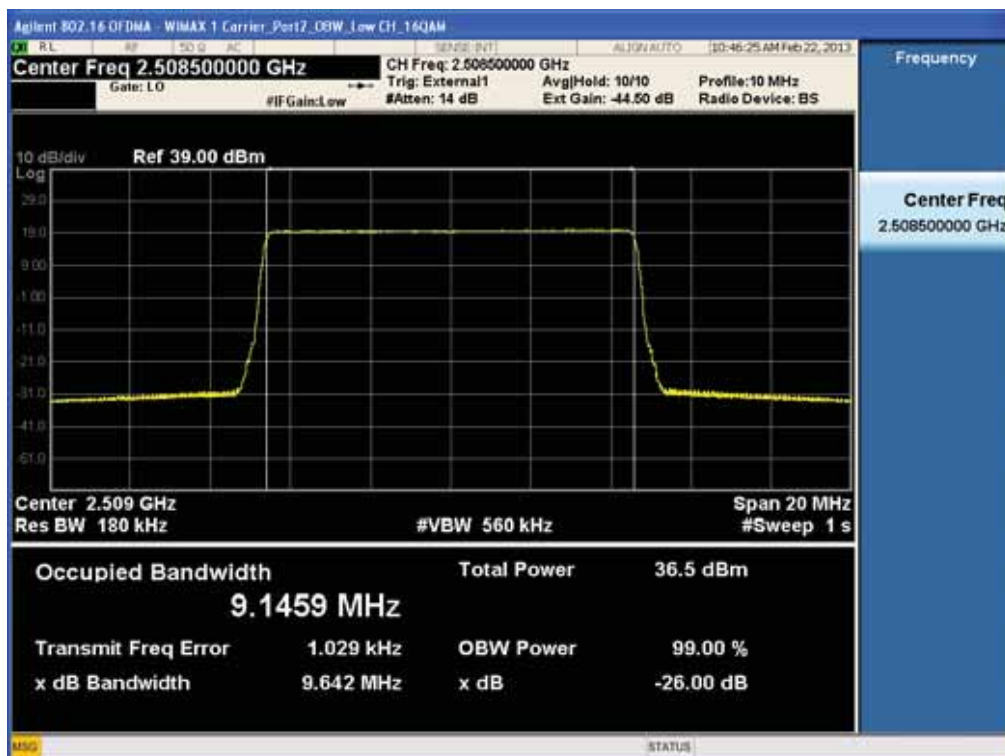


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 114 of 303

(QPSK High Channel)

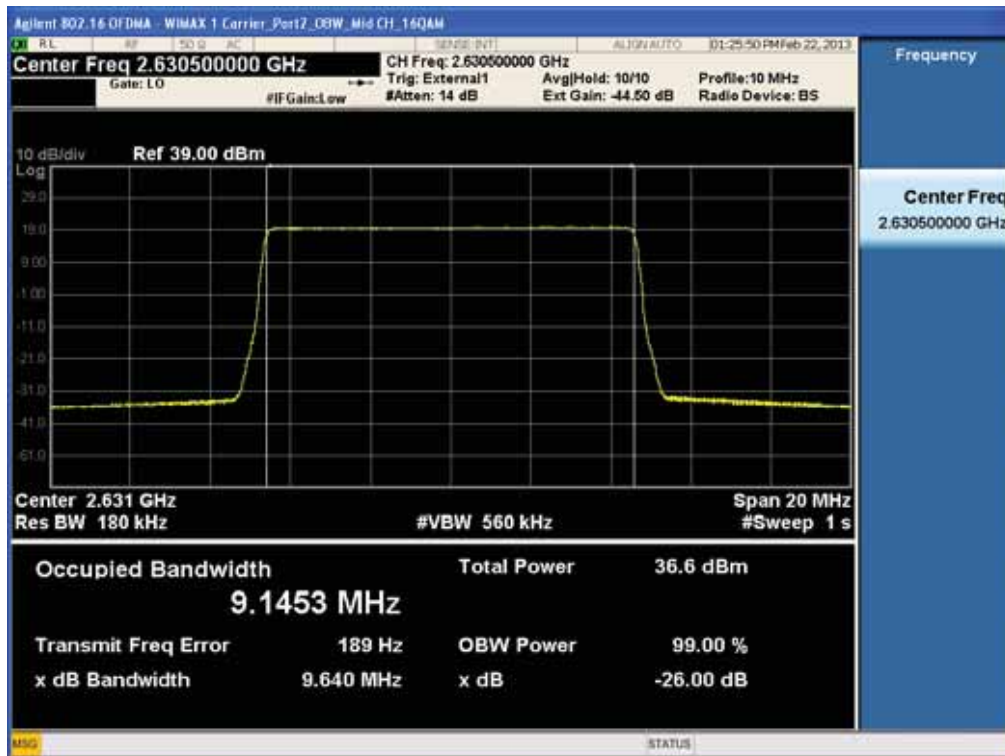


(16QAM Low Channel)

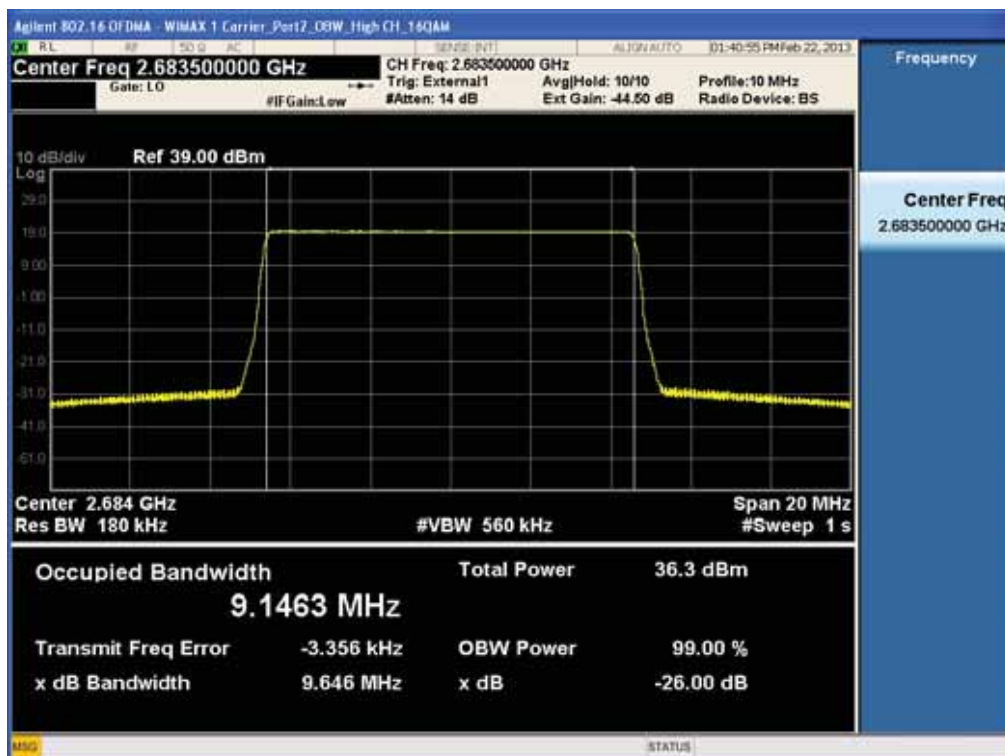


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 115 of 303

(16QAM Middle Channel)

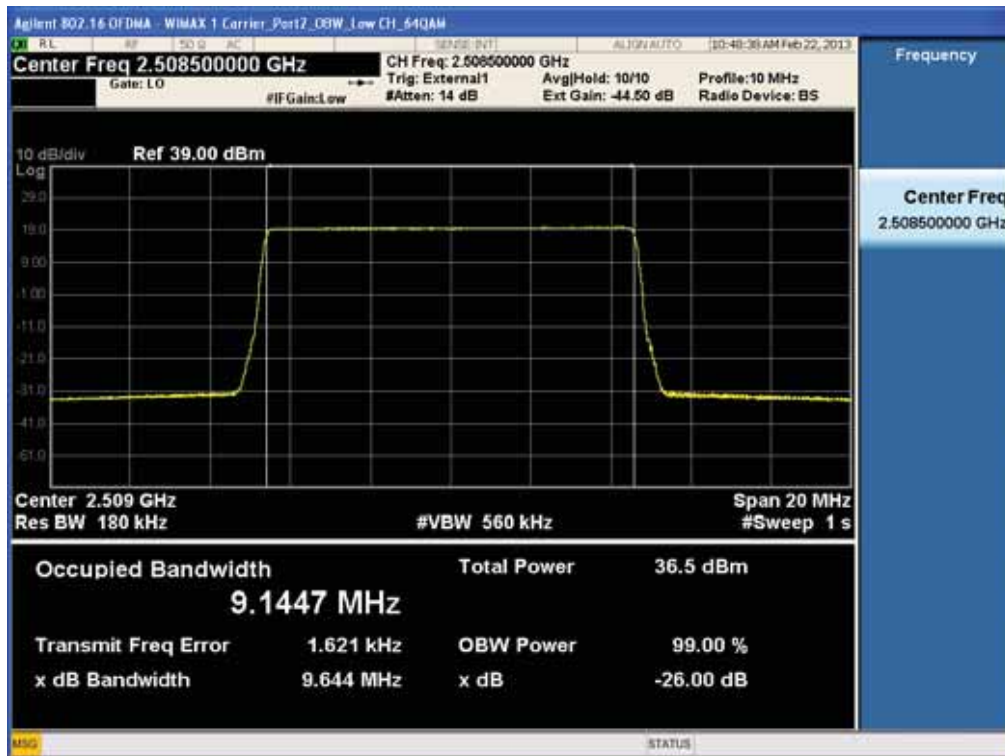


(16QAM High Channel)

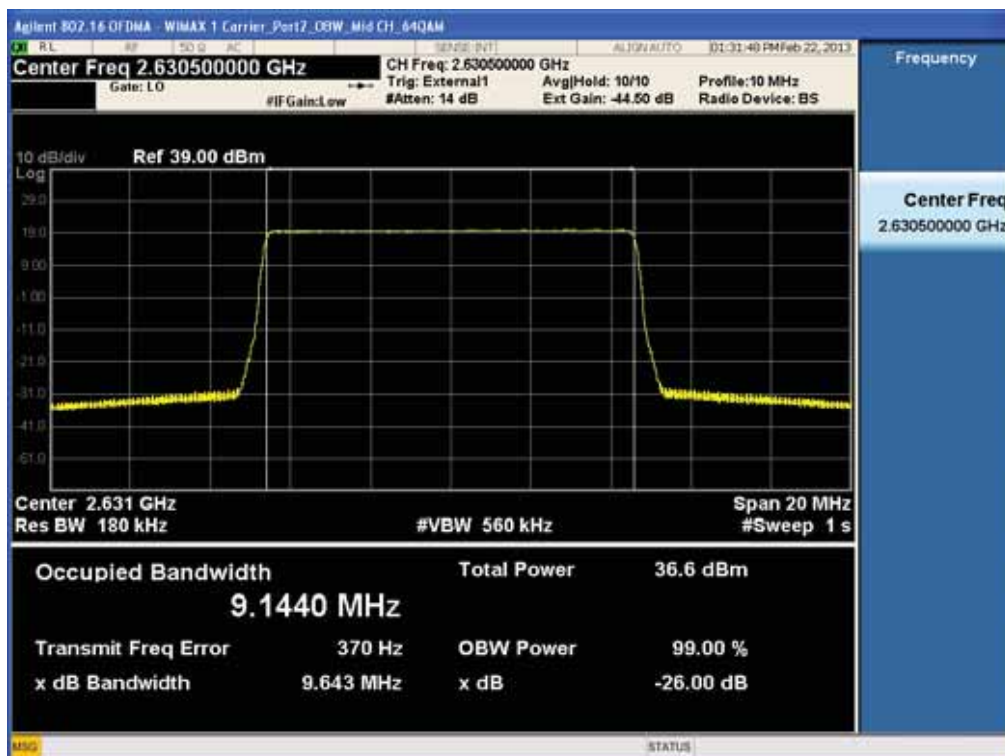


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 116 of 303

(64QAM Low Channel)

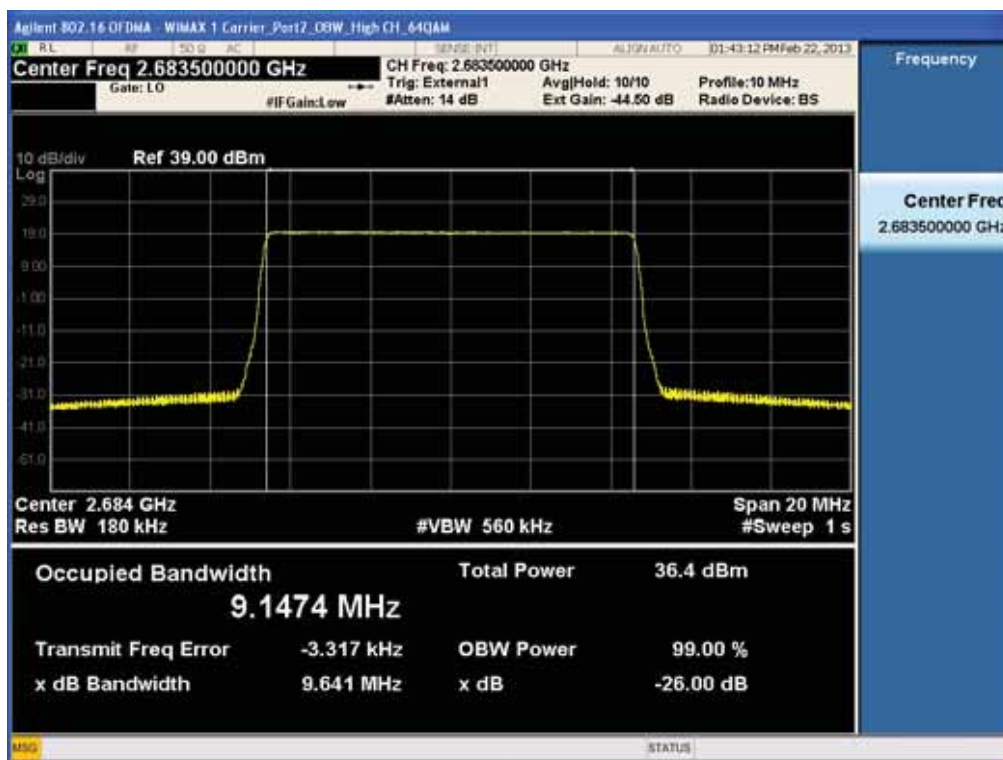


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 117 of 303

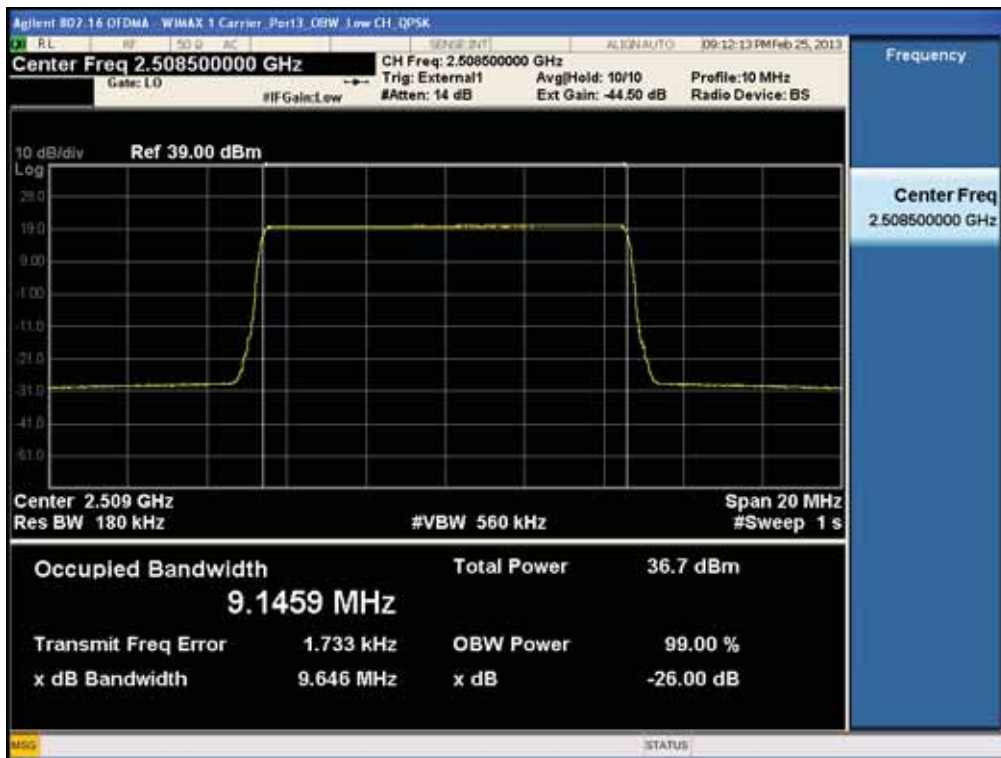
(64QAM High Channel)



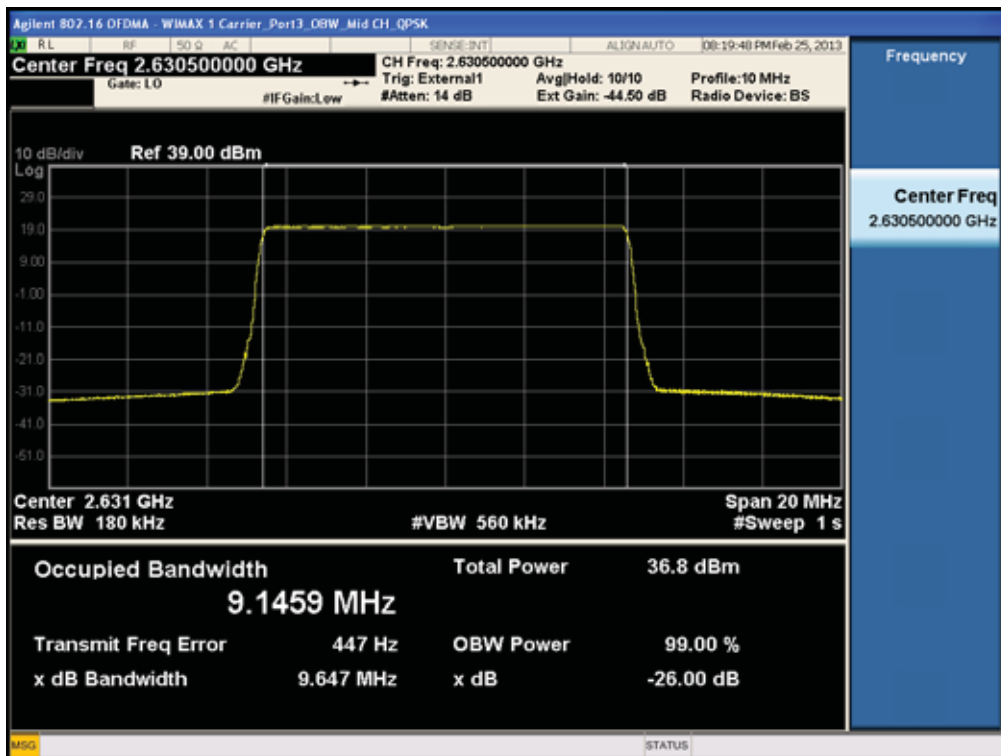
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 118 of 303

6.4.19. Plot Data for Output Port 3 (Occupied Bandwidth)

(QPSK Low Channel)

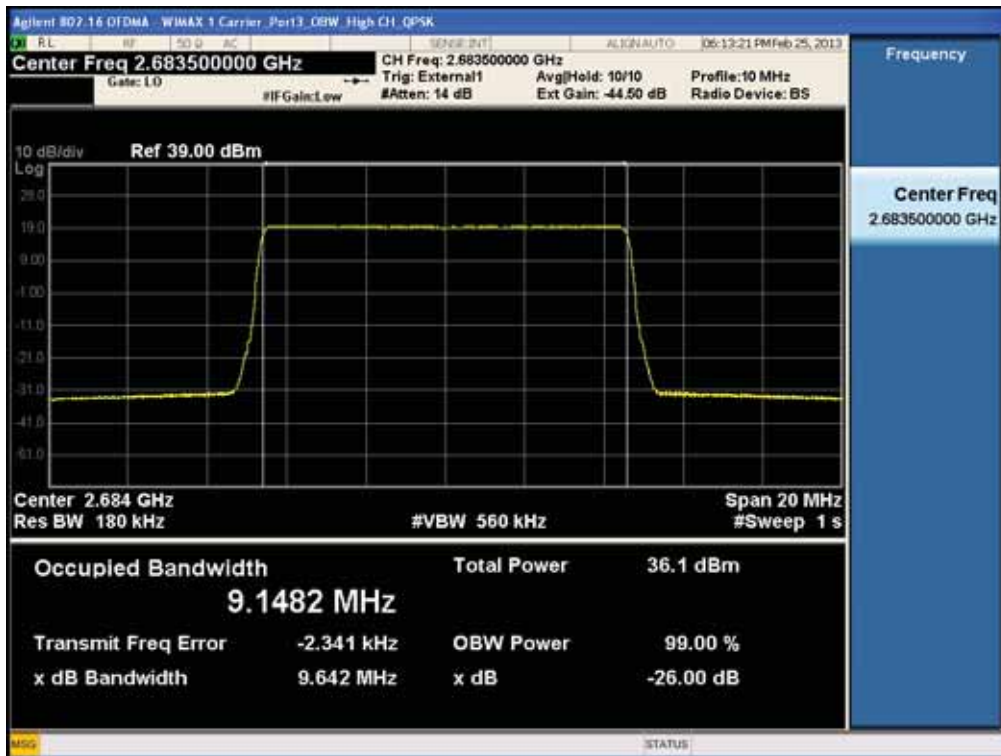


(QPSK Middle Channel)

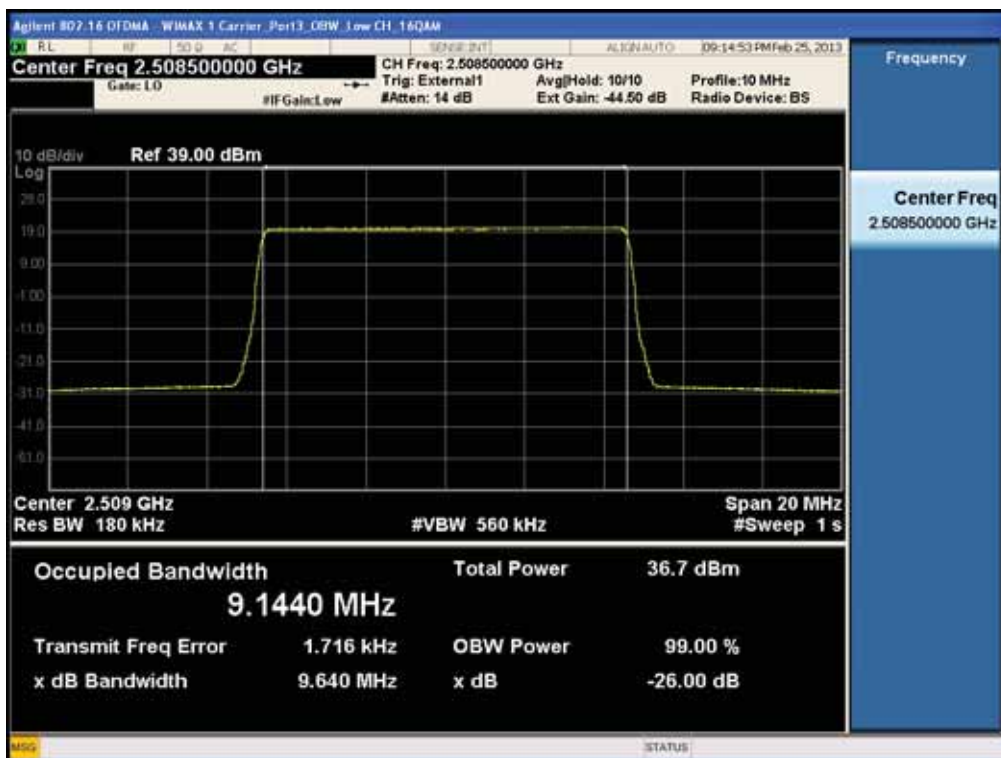


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 119 of 303

(QPSK High Channel)

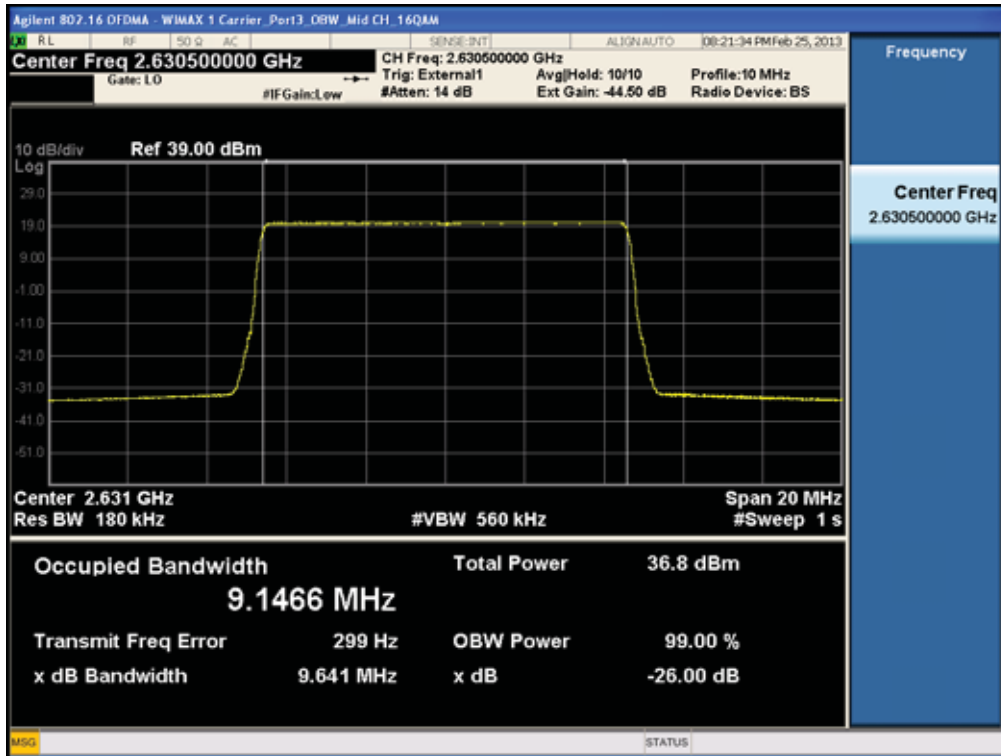


(16QAM Low Channel)

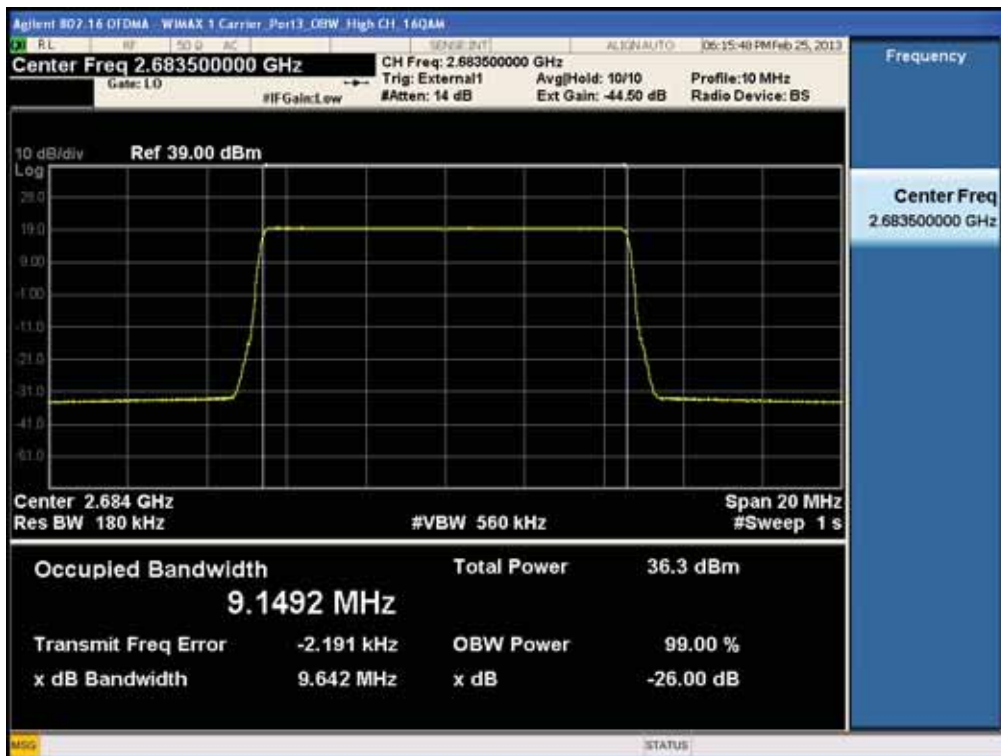


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 120 of 303

(16QAM Middle Channel)

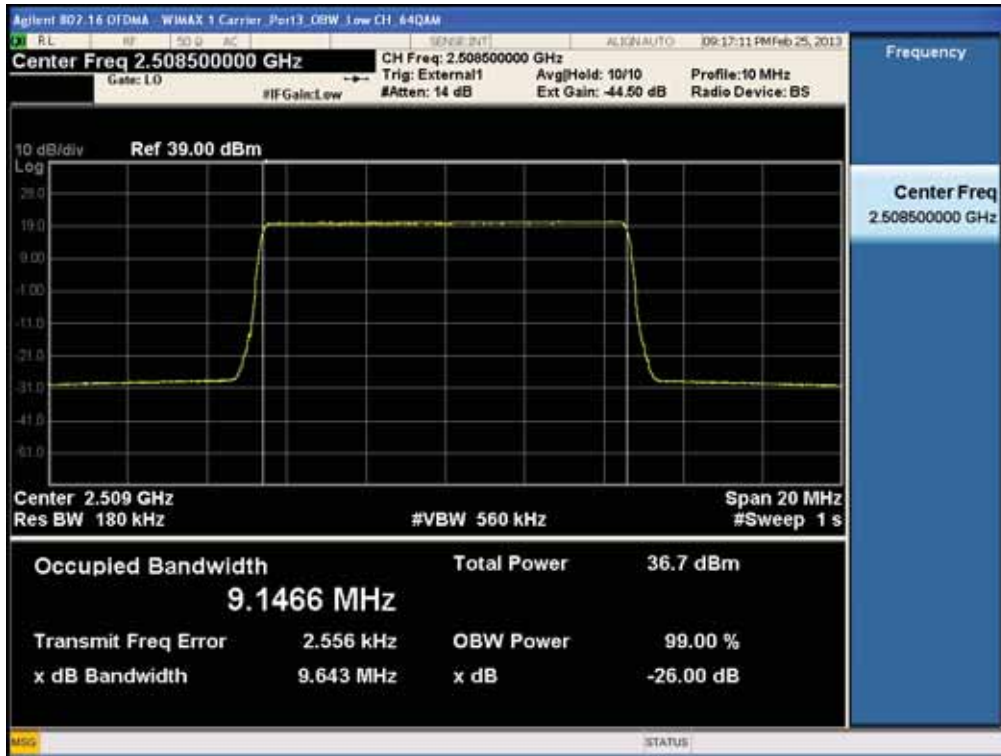


(16QAM High Channel)

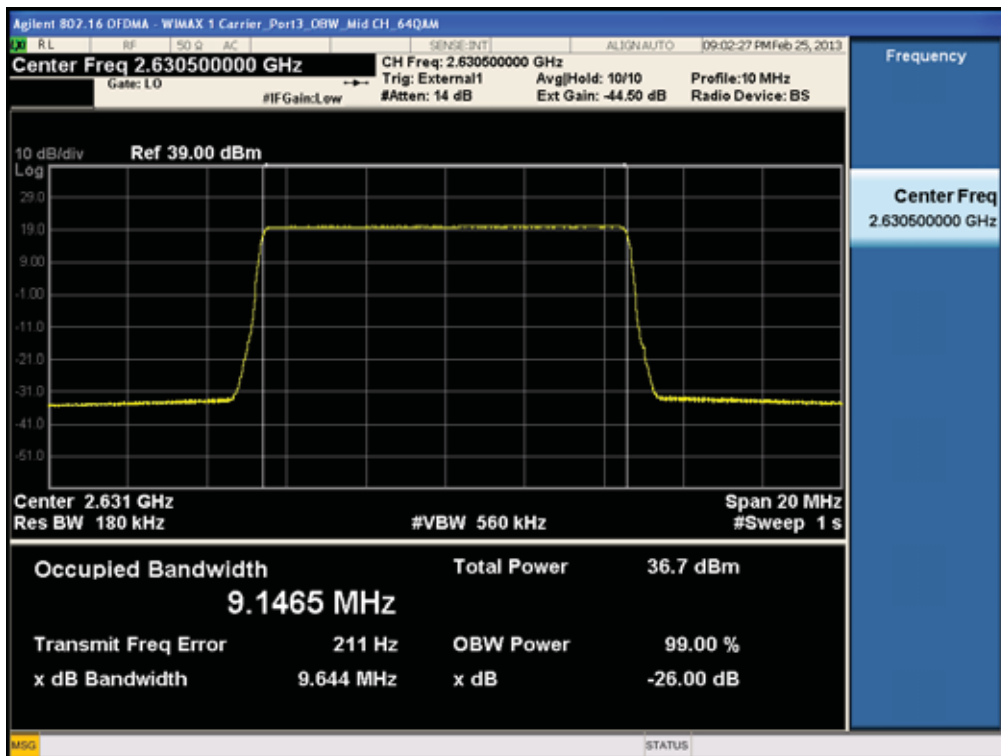


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 121 of 303

(64QAM Low Channel)

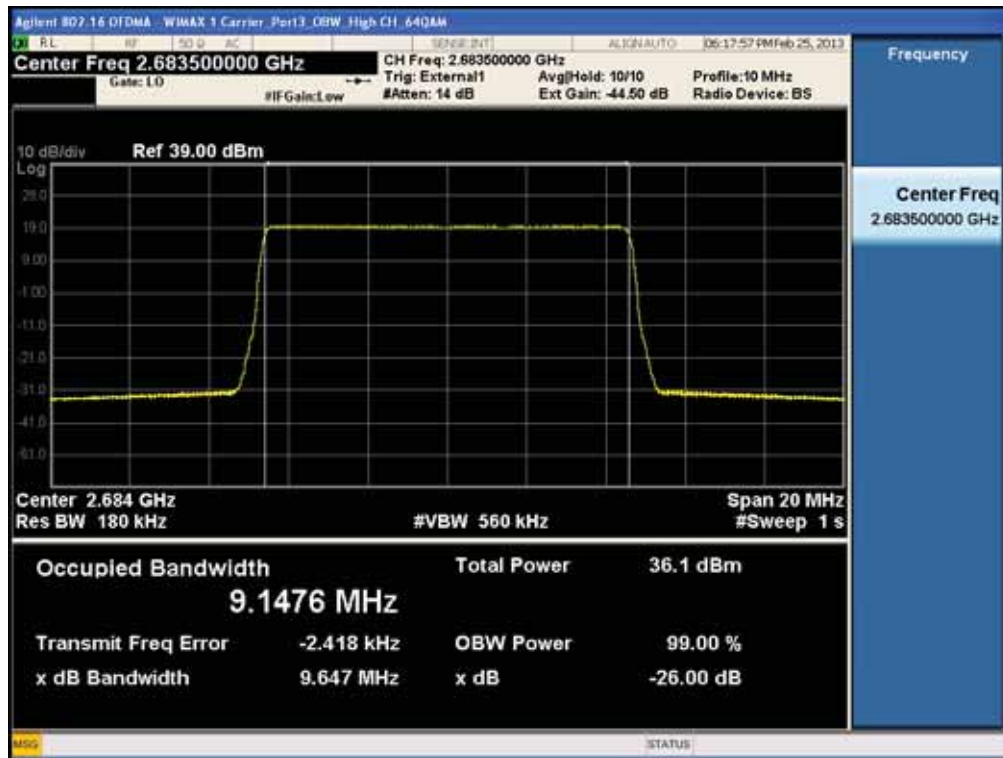


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 122 of 303

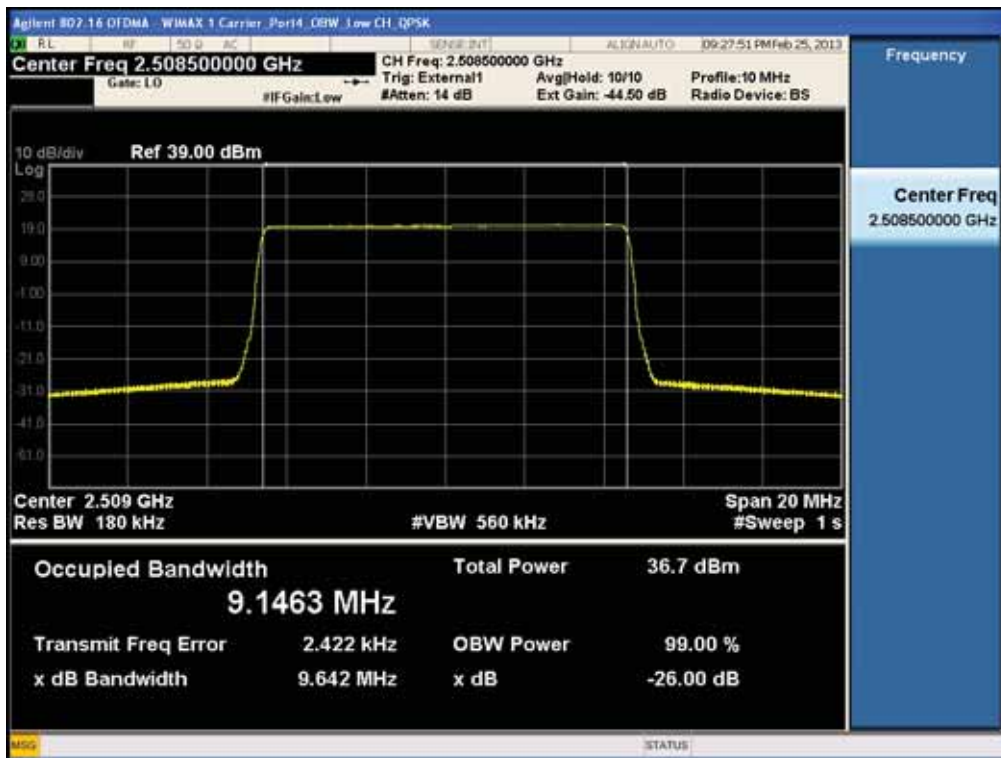
(64QAM High Channel)



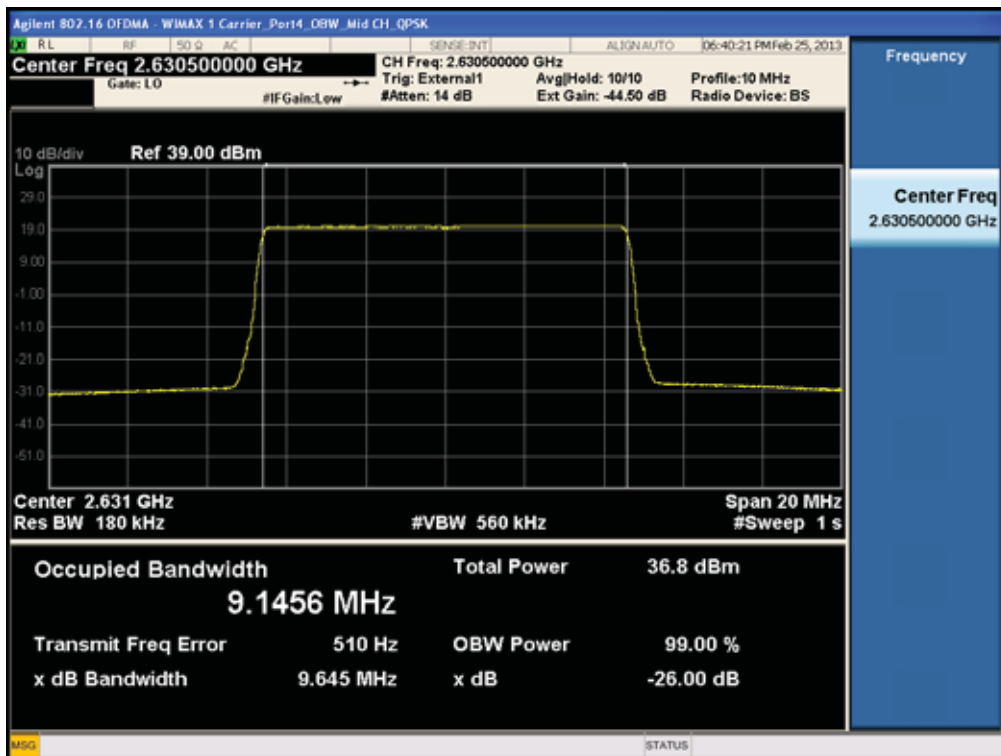
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 123 of 303

6.4.20. Plot Data for Output Port 4 (Occupied Bandwidth)

(QPSK Low Channel)

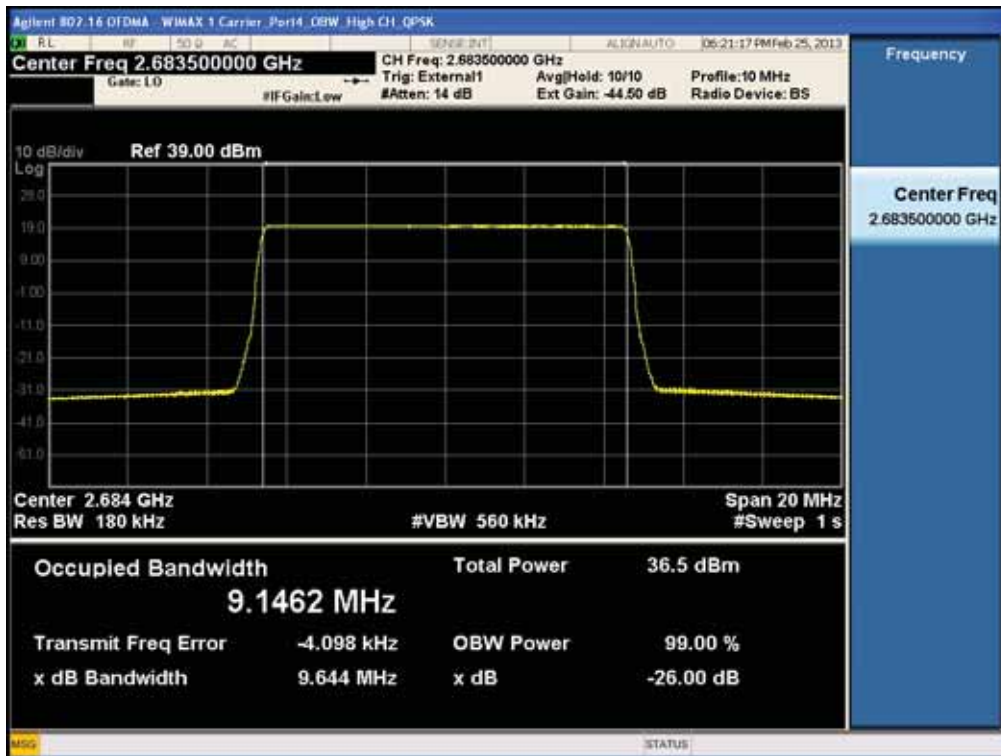


(QPSK Middle Channel)

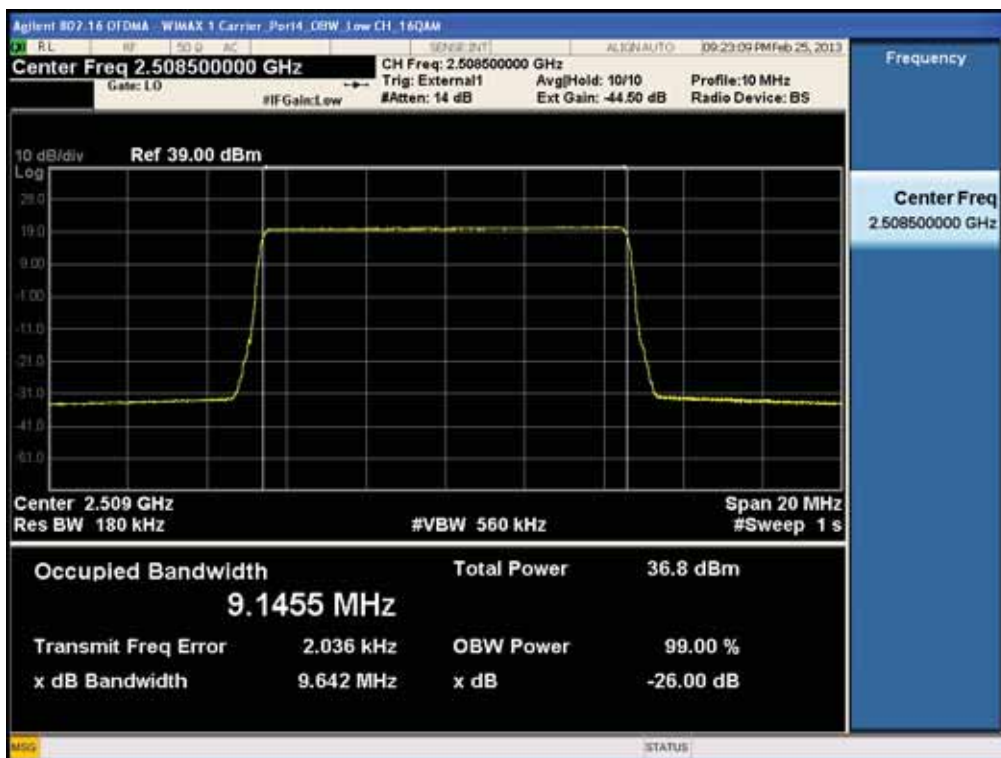


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 124 of 303

(QPSK High Channel)

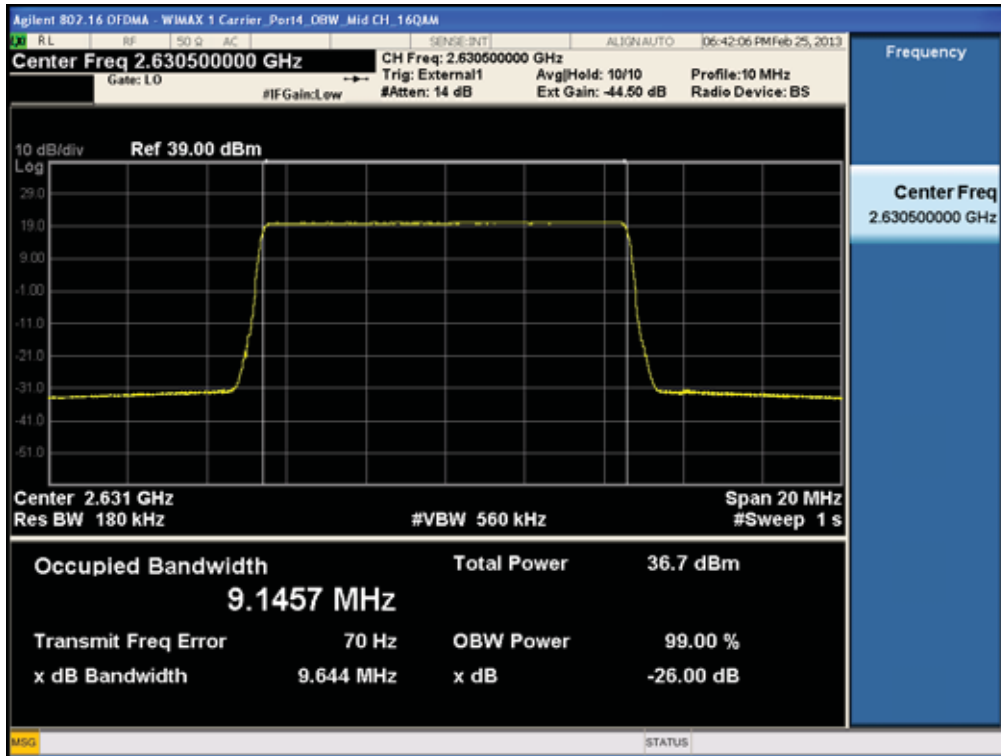


(16QAM Low Channel)

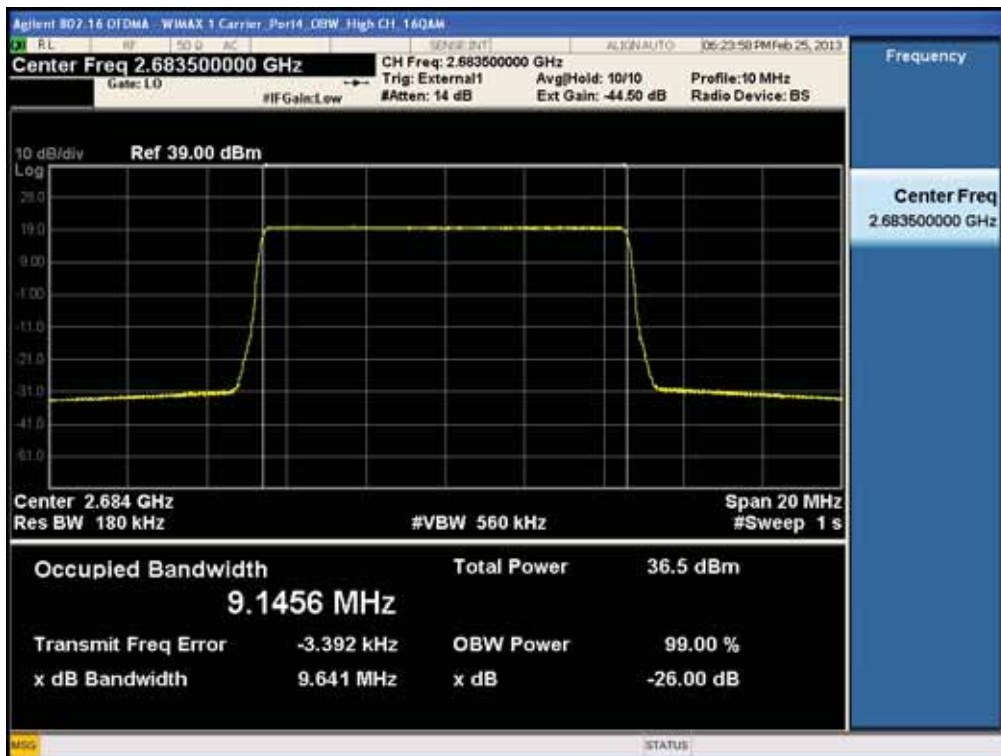


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 125 of 303

(16QAM Middle Channel)

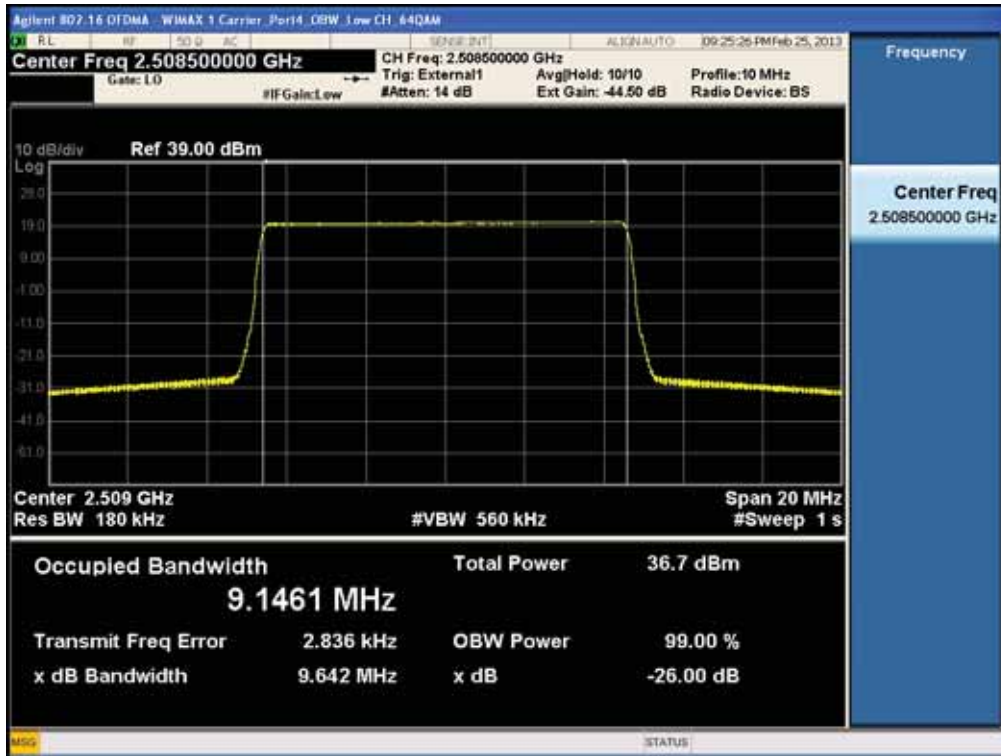


(16QAM High Channel)

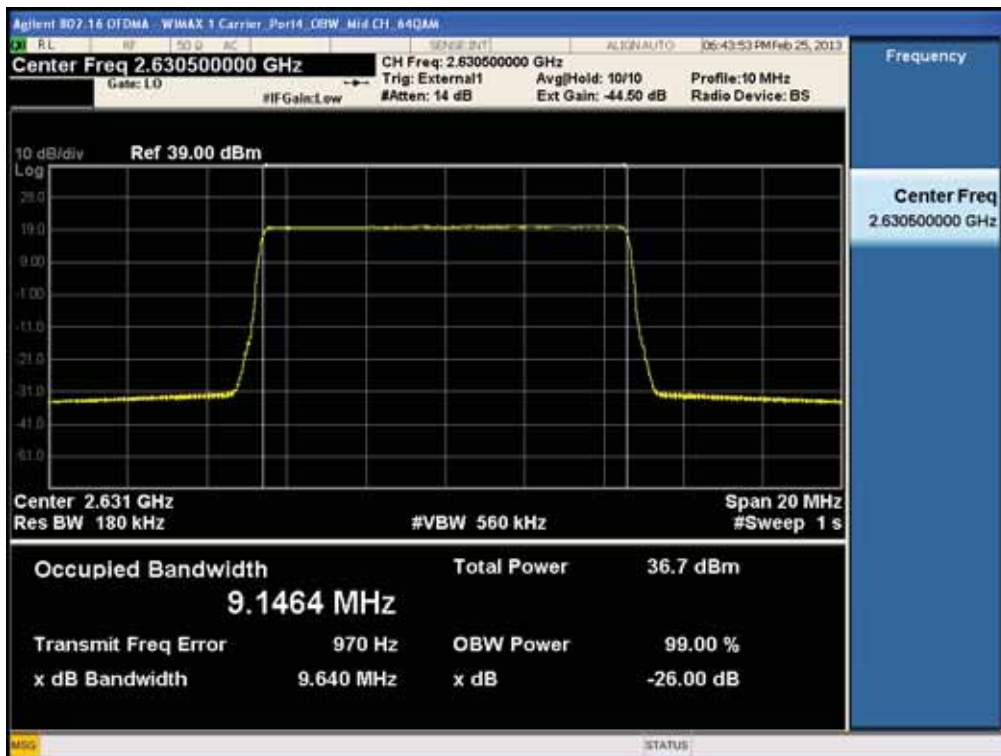


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 126 of 303

(64QAM Low Channel)

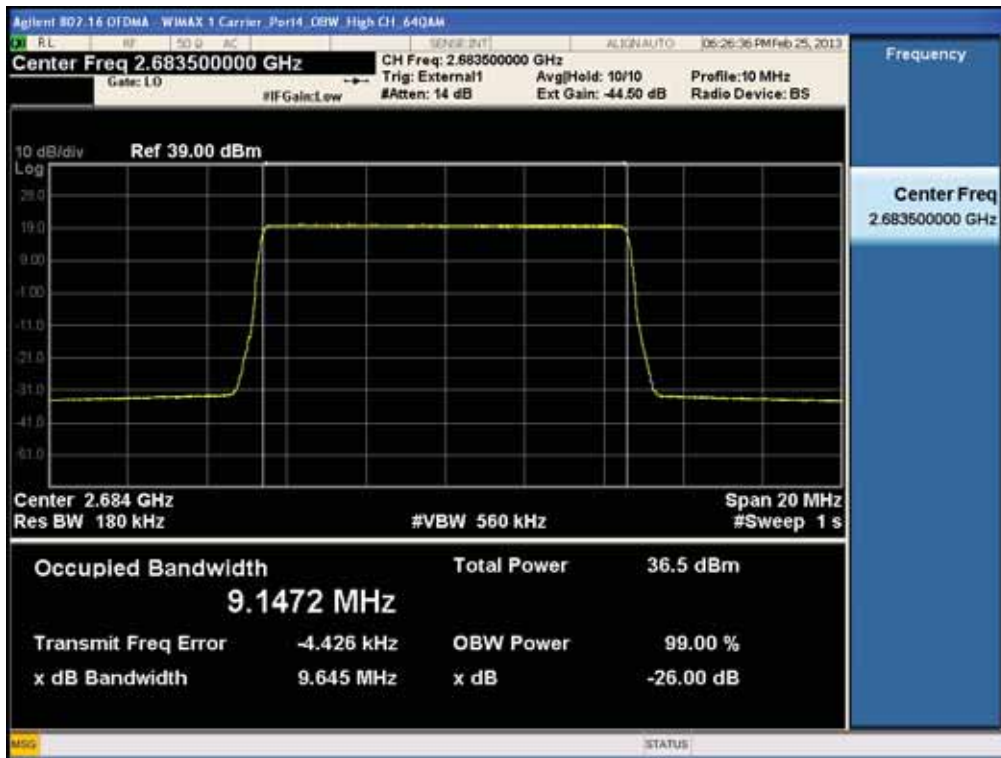


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 127 of 303

(64QAM High Channel)

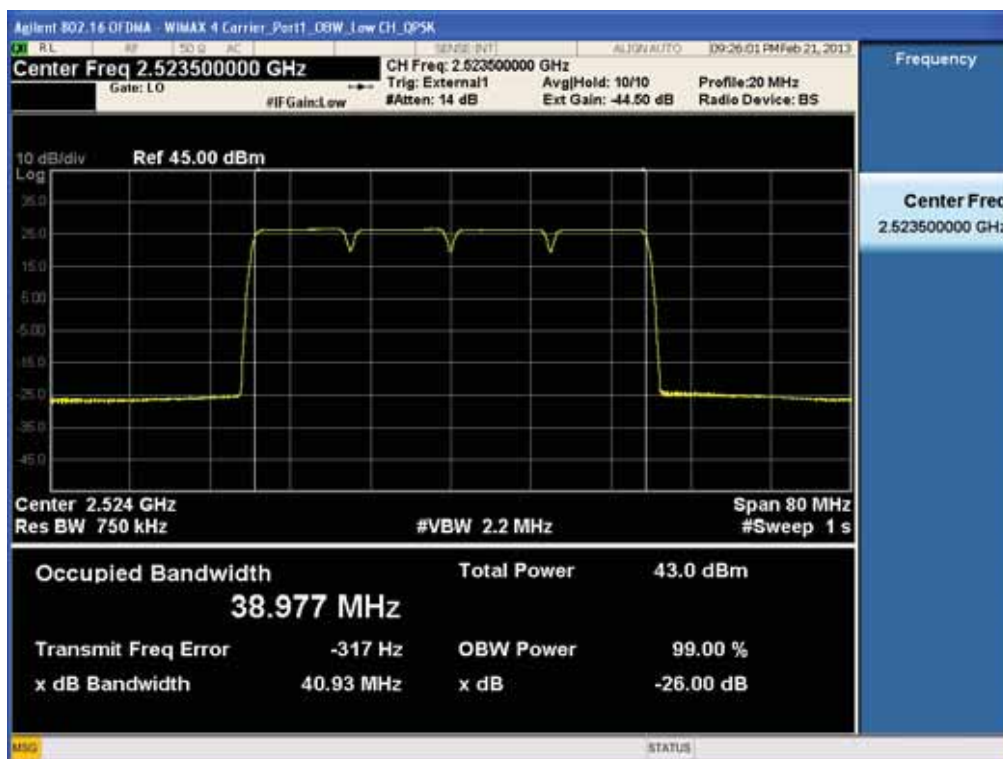


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 128 of 303

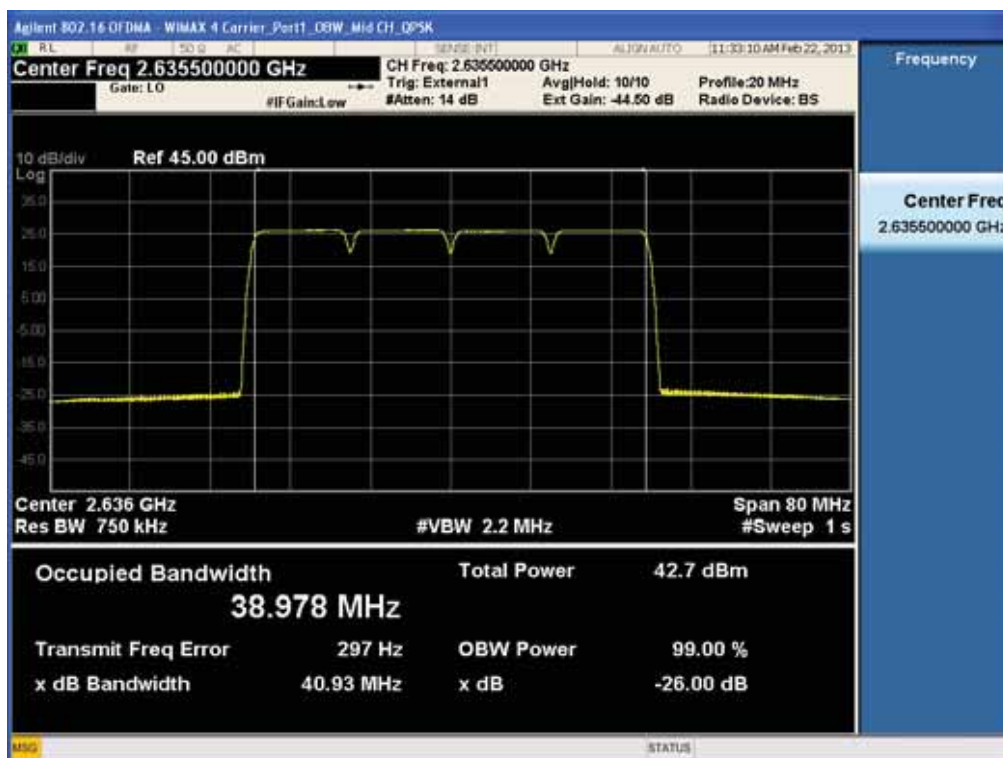
[WiMax only_4FA]

6.4.21. Plot Data for Output Port 1 (Occupied Bandwidth)

(QPSK Low Channel)

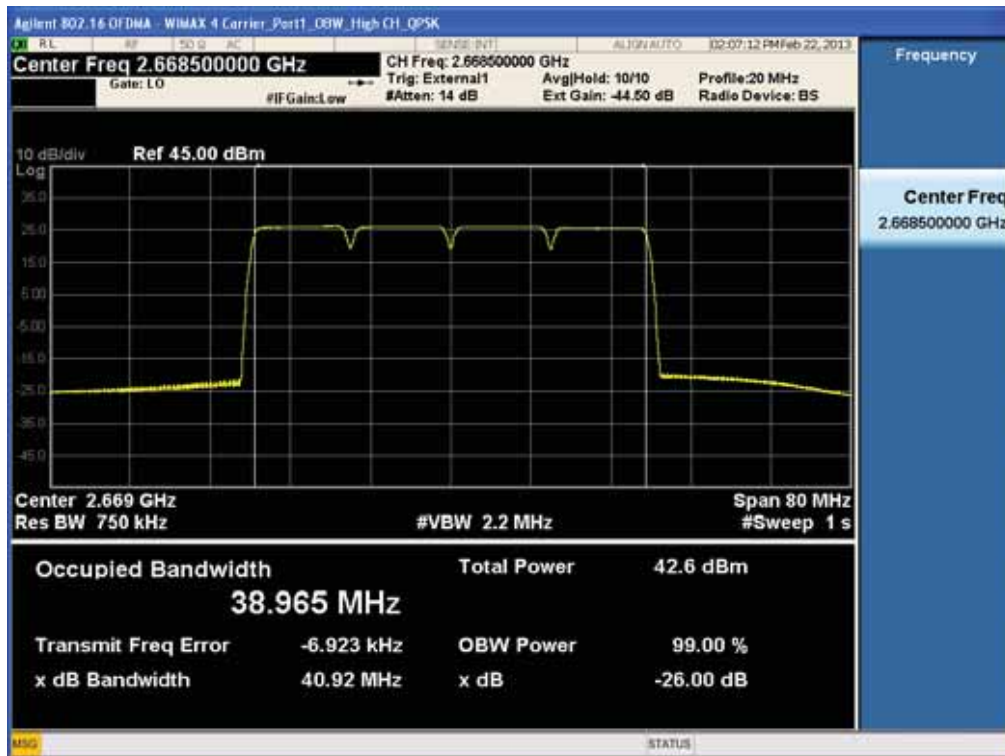


(QPSK Middle Channel)

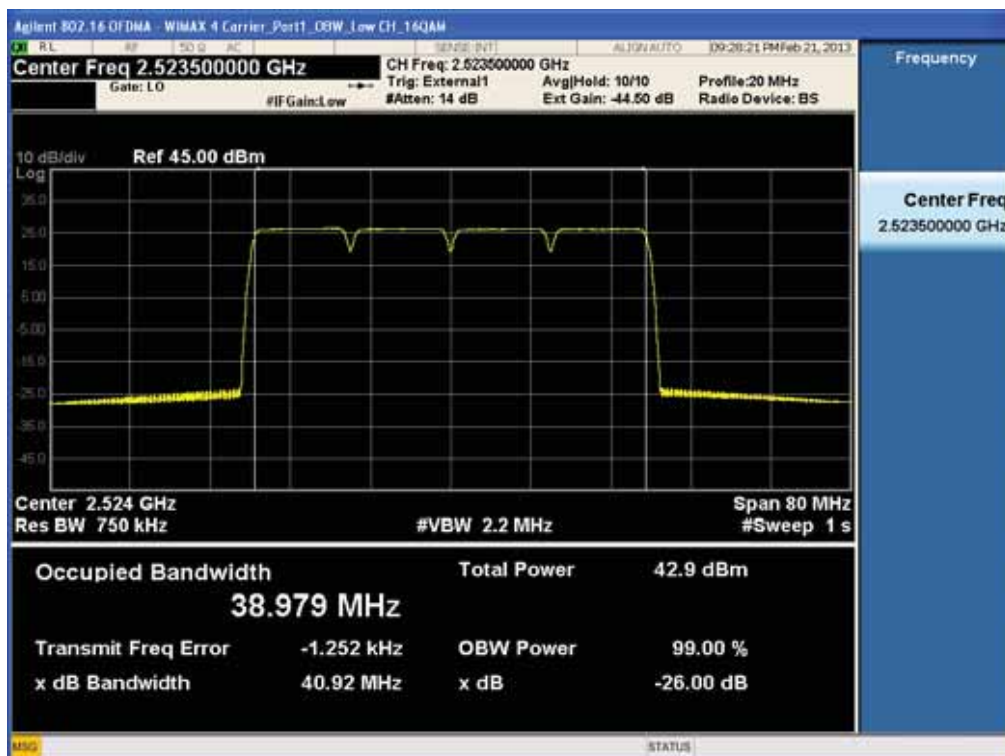


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 129 of 303

(QPSK High Channel)

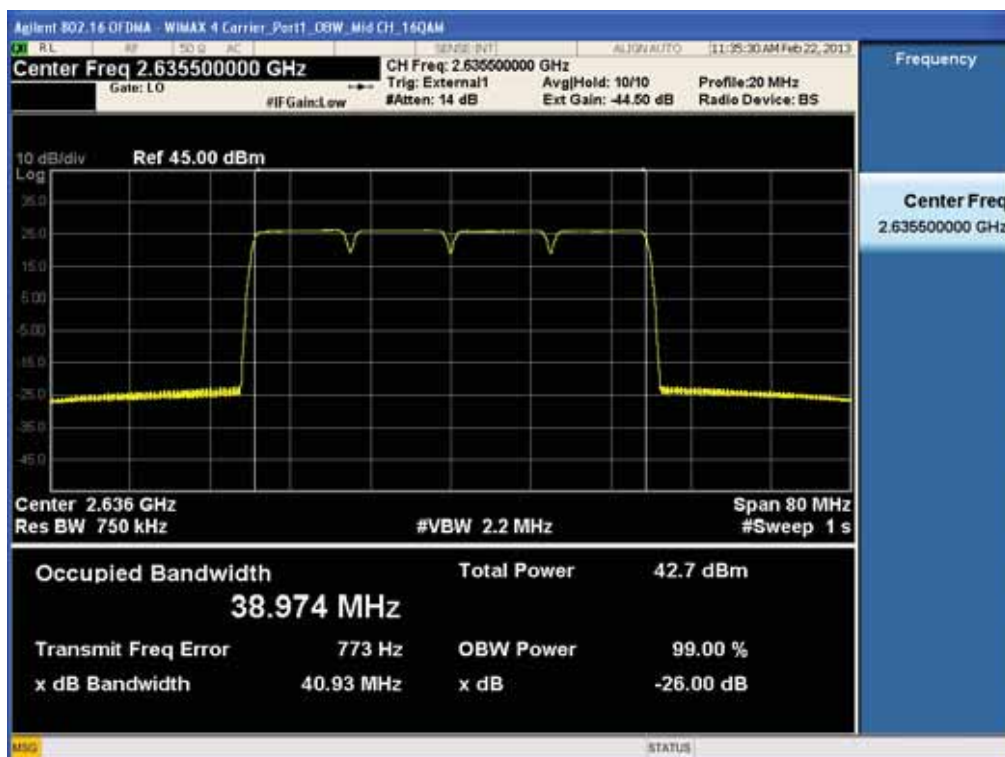


(16QAM Low Channel)

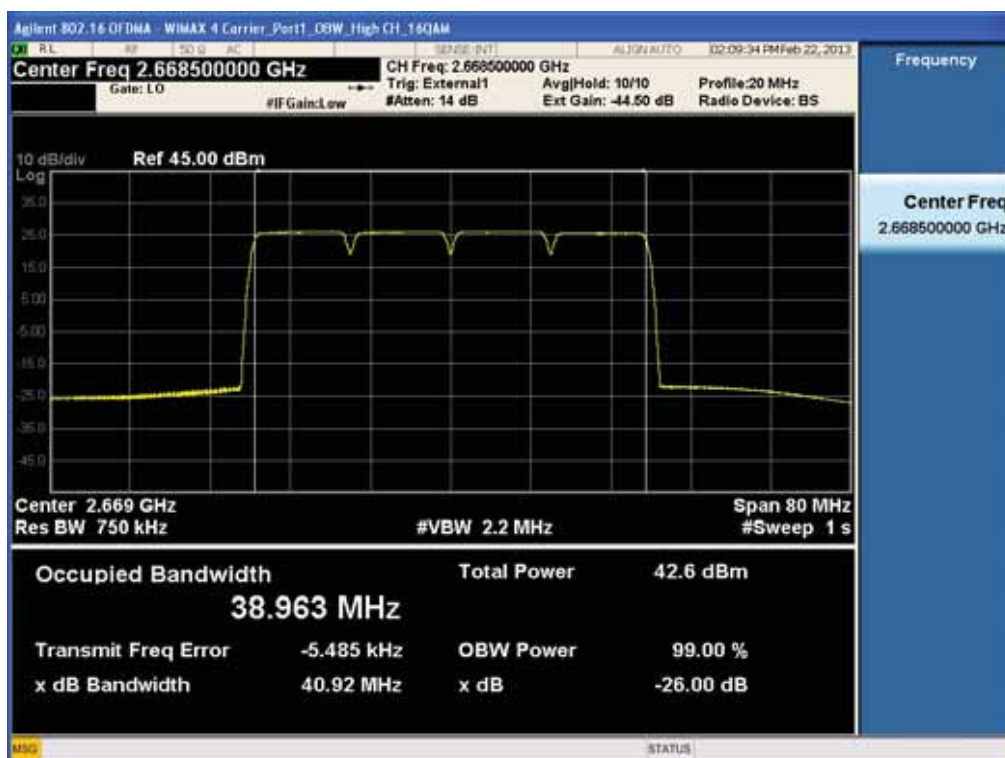


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 130 of 303

(16QAM Middle Channel)

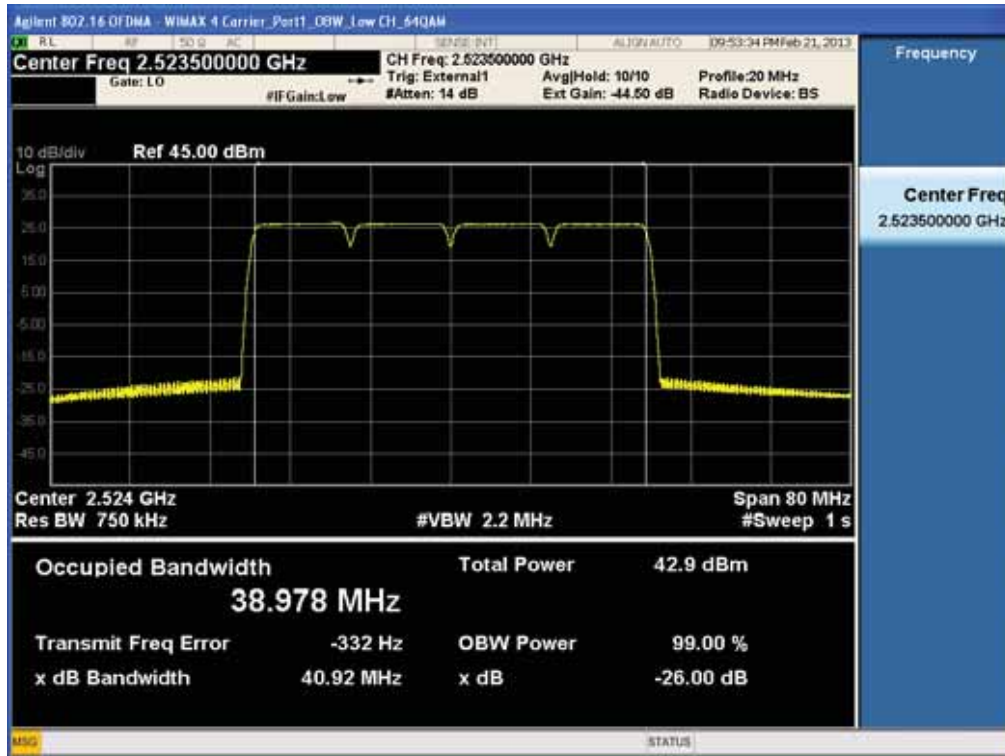


(16QAM High Channel)

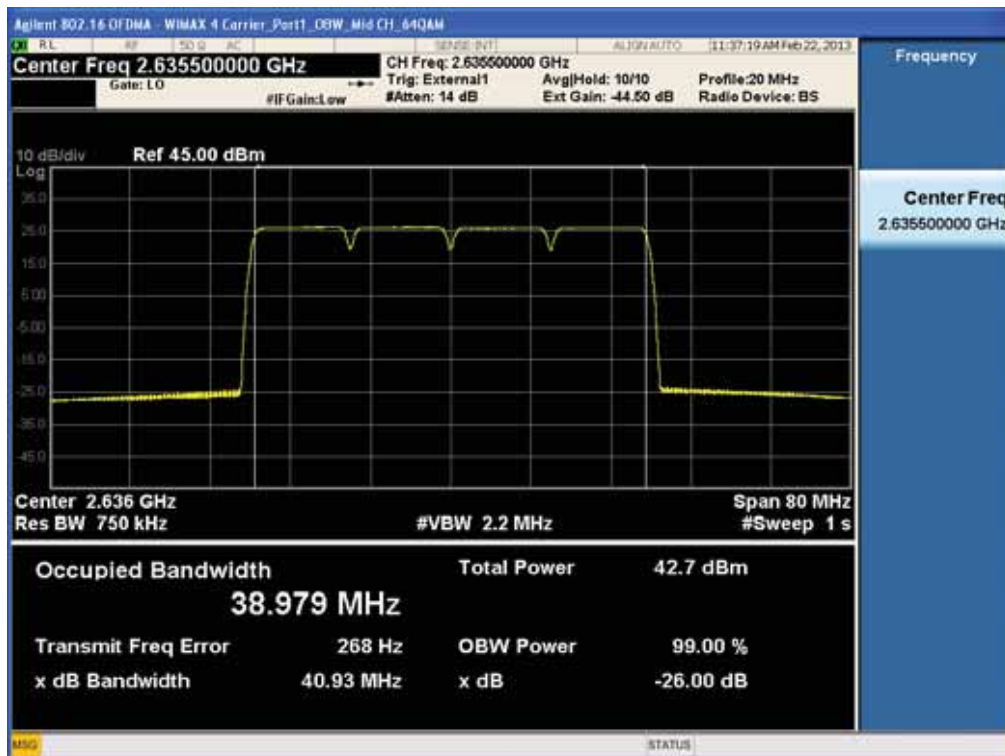


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 131 of 303

(64QAM Low Channel)

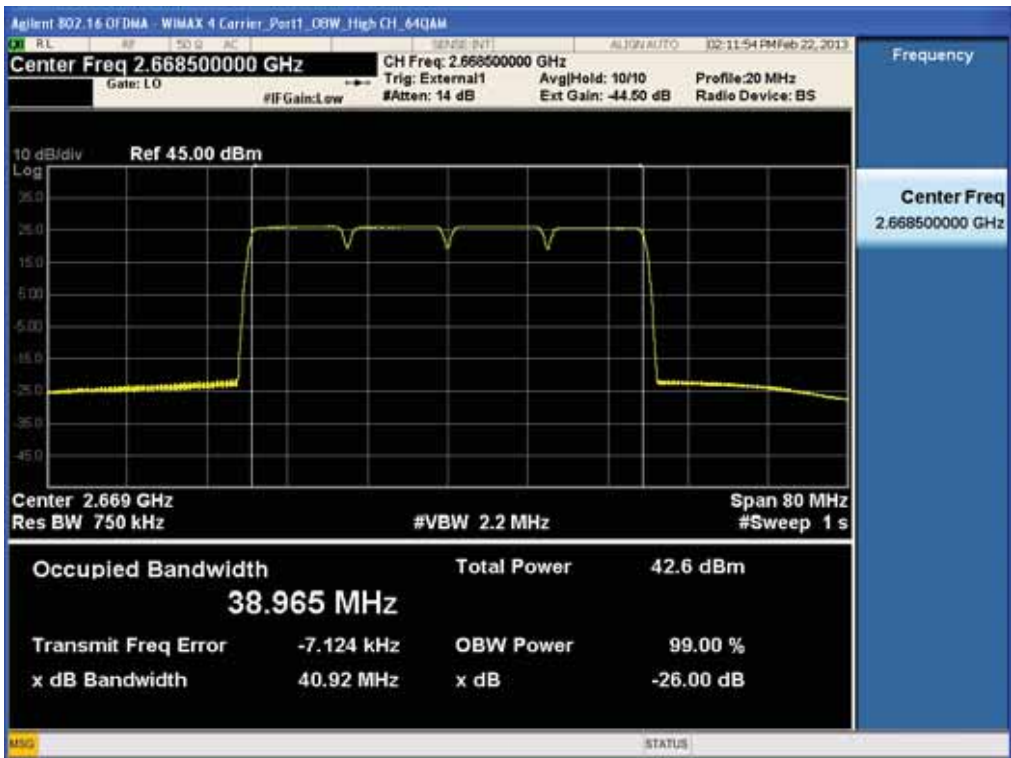


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 132 of 303

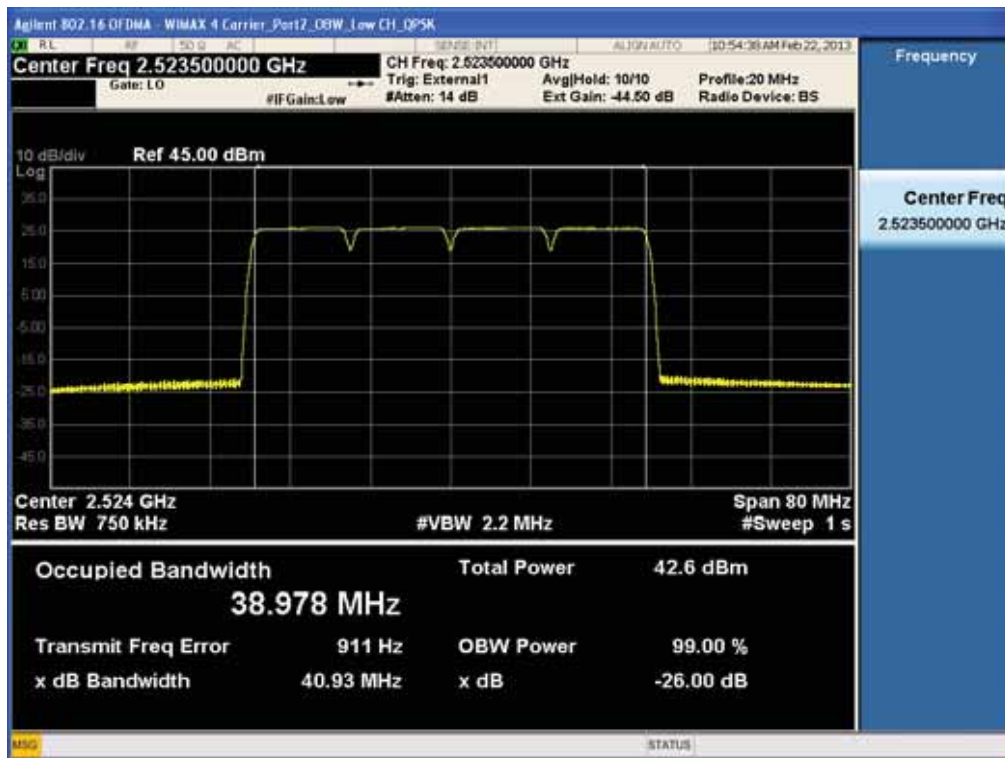
(64QAM High Channel)



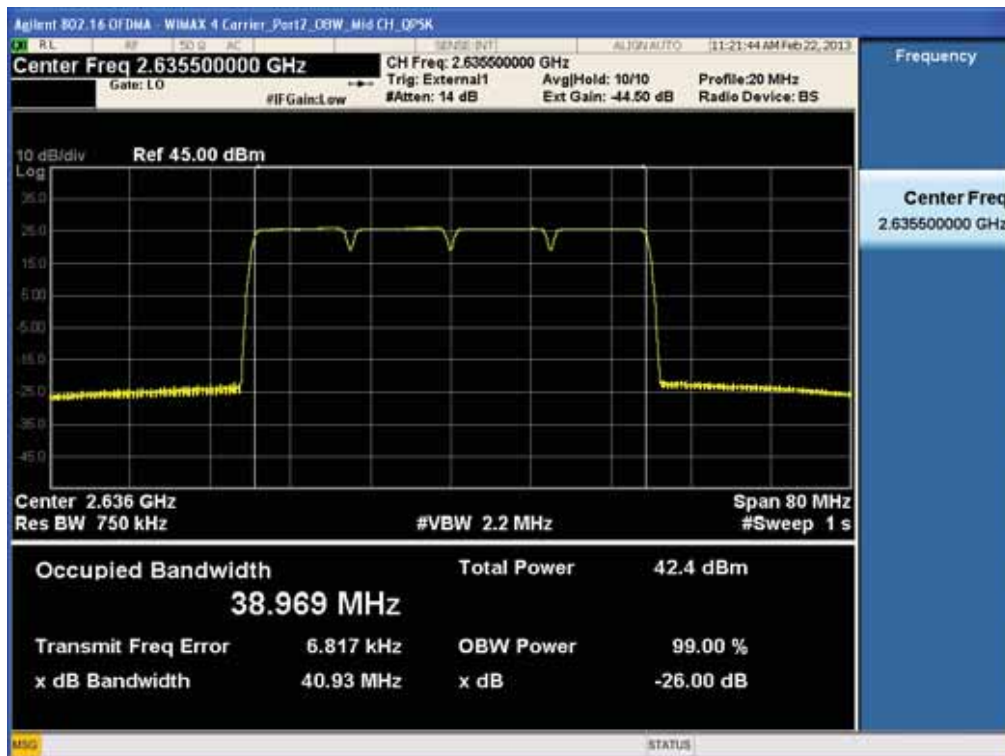
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 133 of 303

6.4.22. Plot Data for Output Port 2 (Occupied Bandwidth)

(QPSK Low Channel)

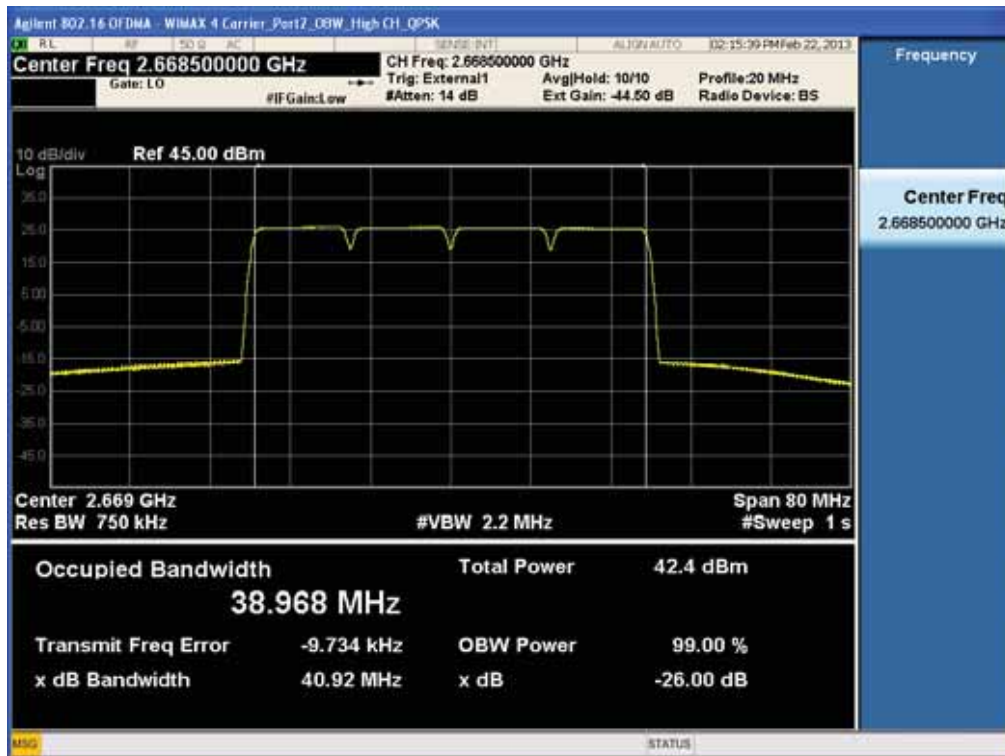


(QPSK Middle Channel)

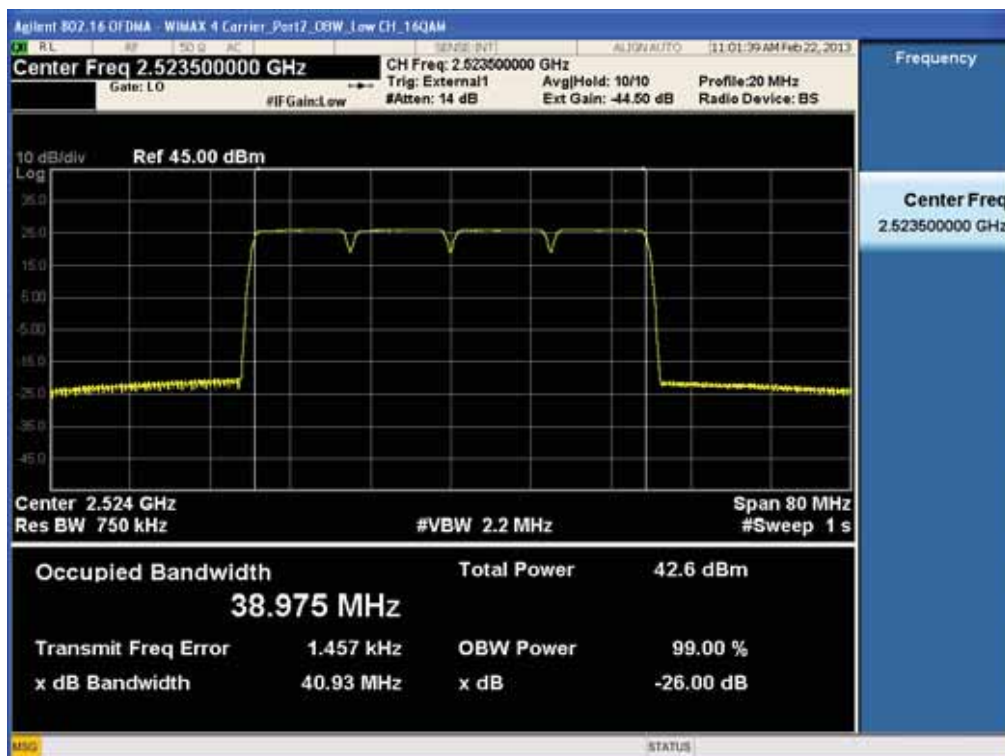


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 134 of 303

(QPSK High Channel)

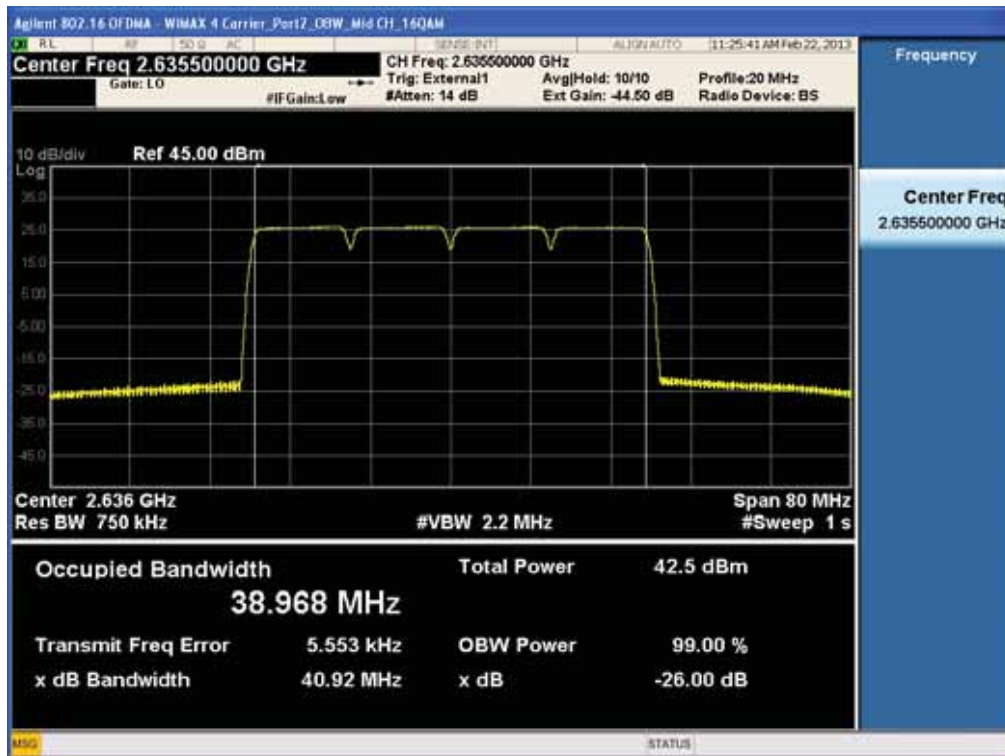


(16QAM Low Channel)

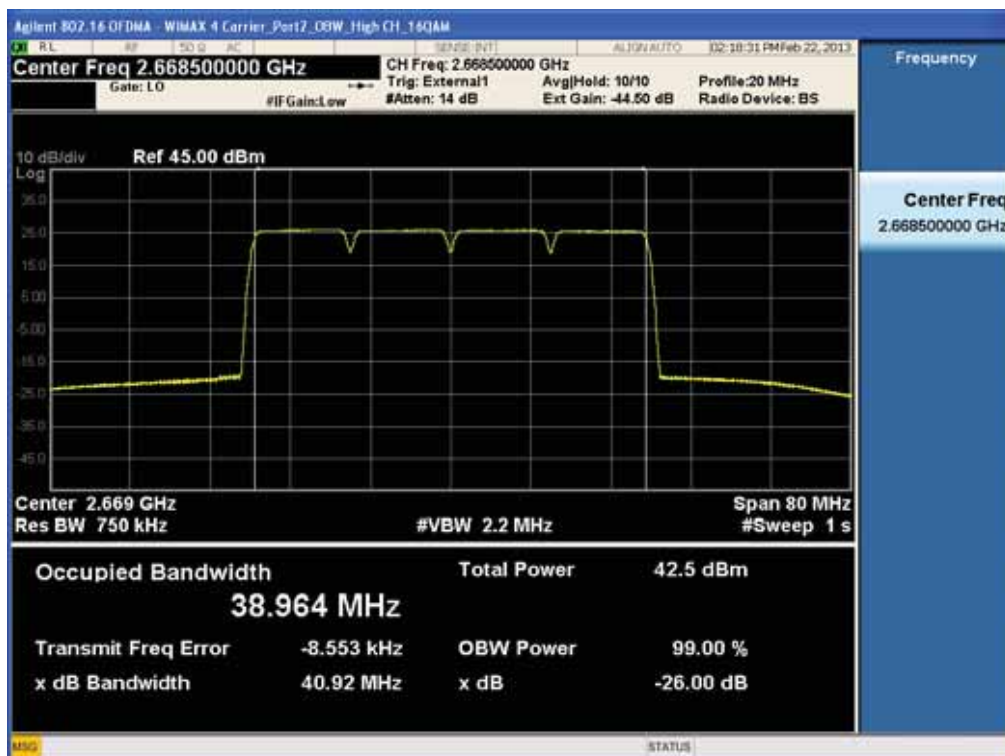


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 135 of 303

(16QAM Middle Channel)

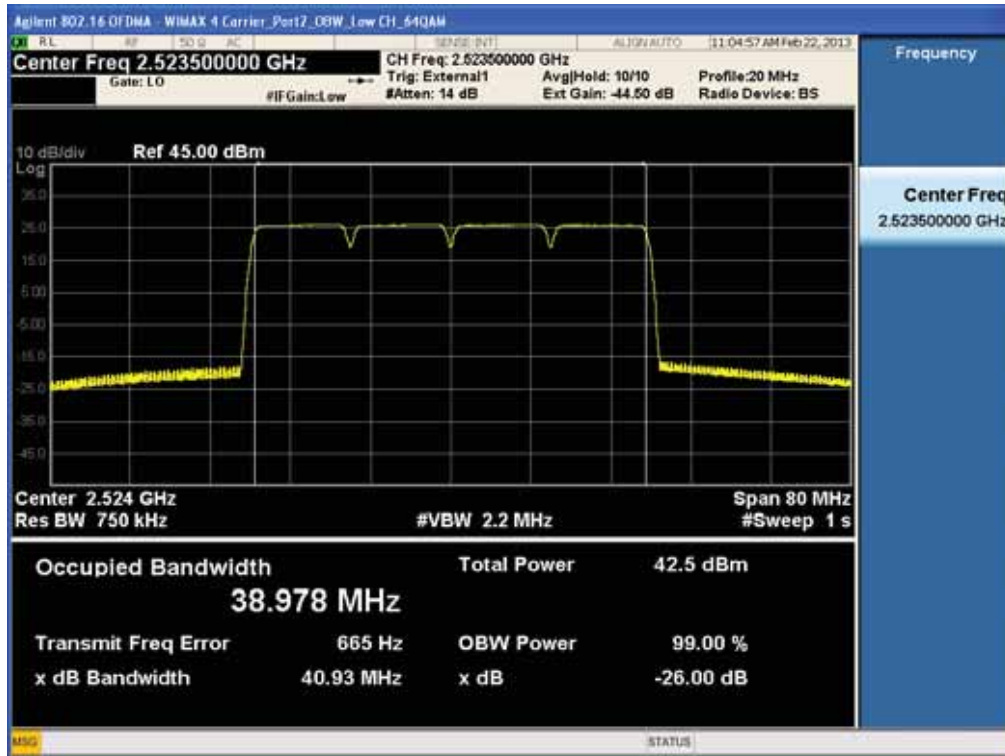


(16QAM High Channel)

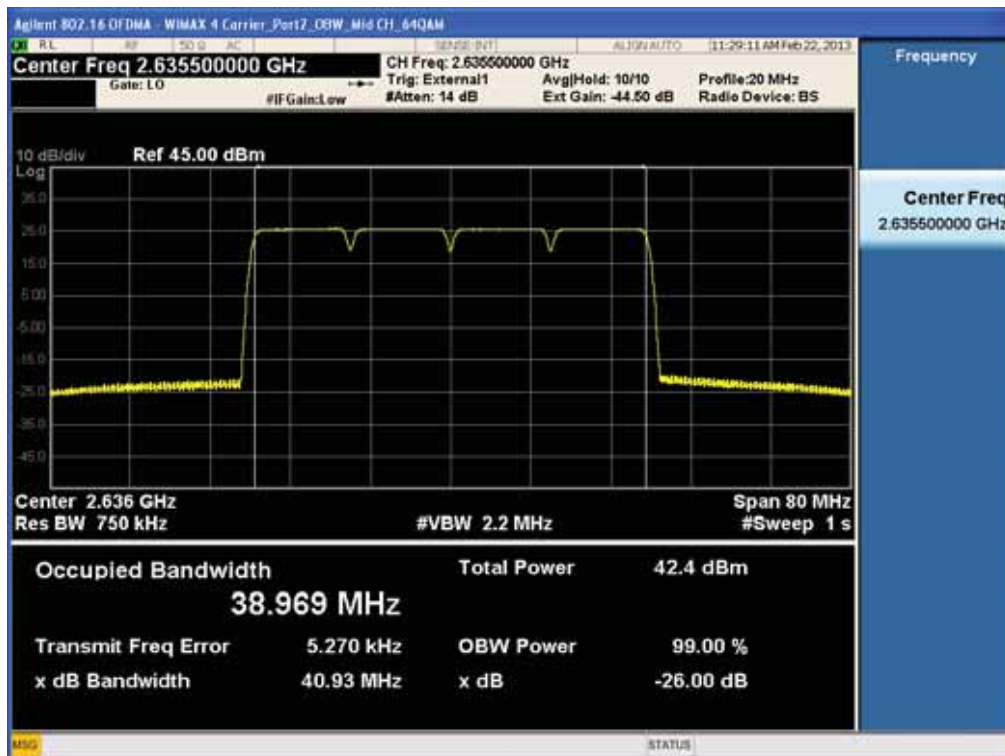


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 136 of 303

(64QAM Low Channel)

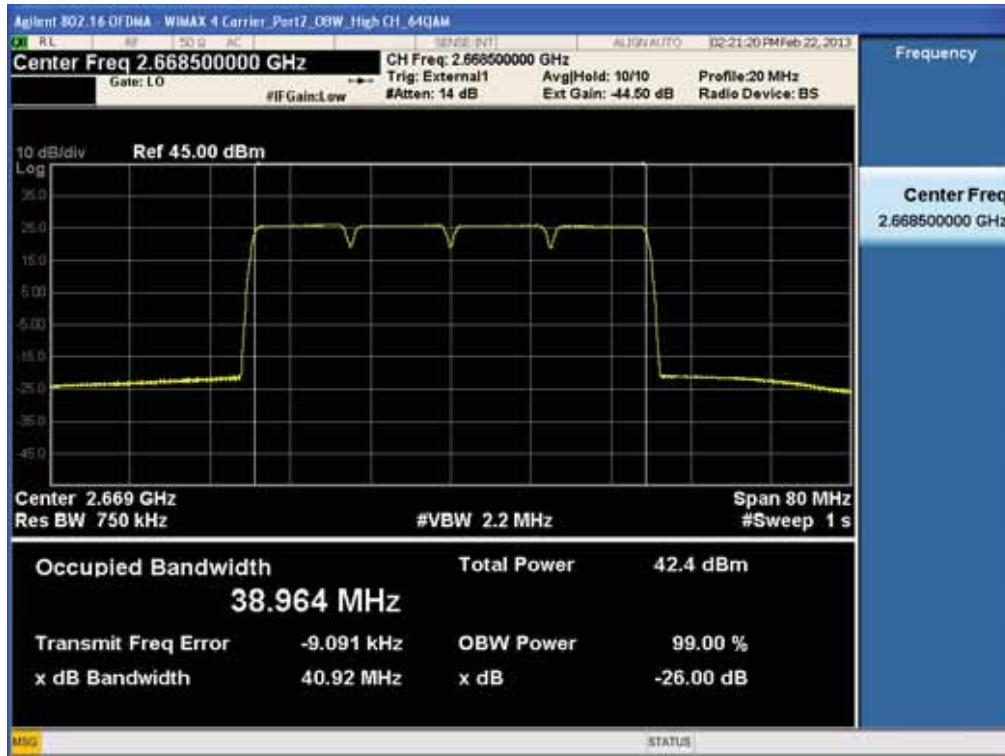


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 137 of 303

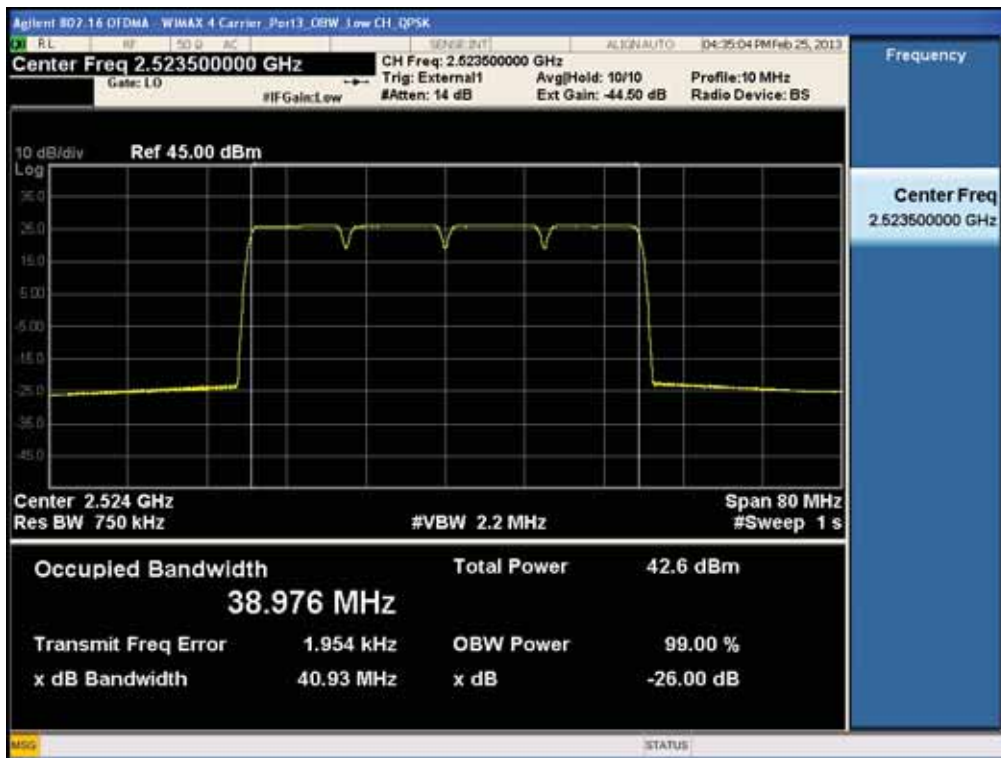
(64QAM High Channel)



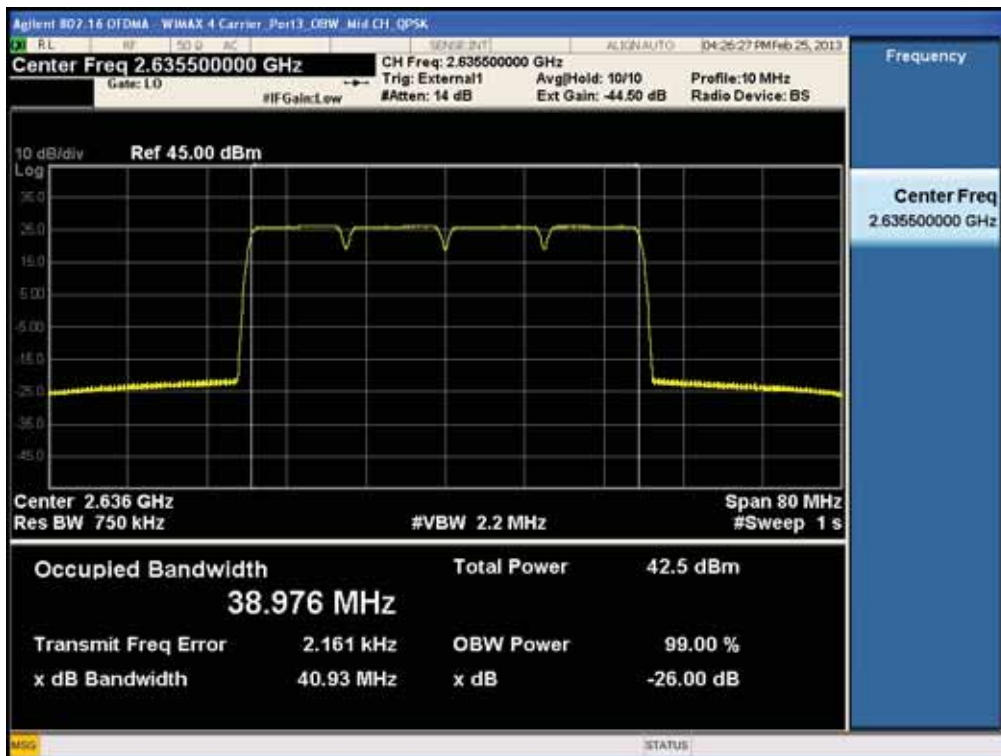
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 138 of 303

6.4.23. Plot Data for Output Port 3 (Occupied Bandwidth)

(QPSK Low Channel)

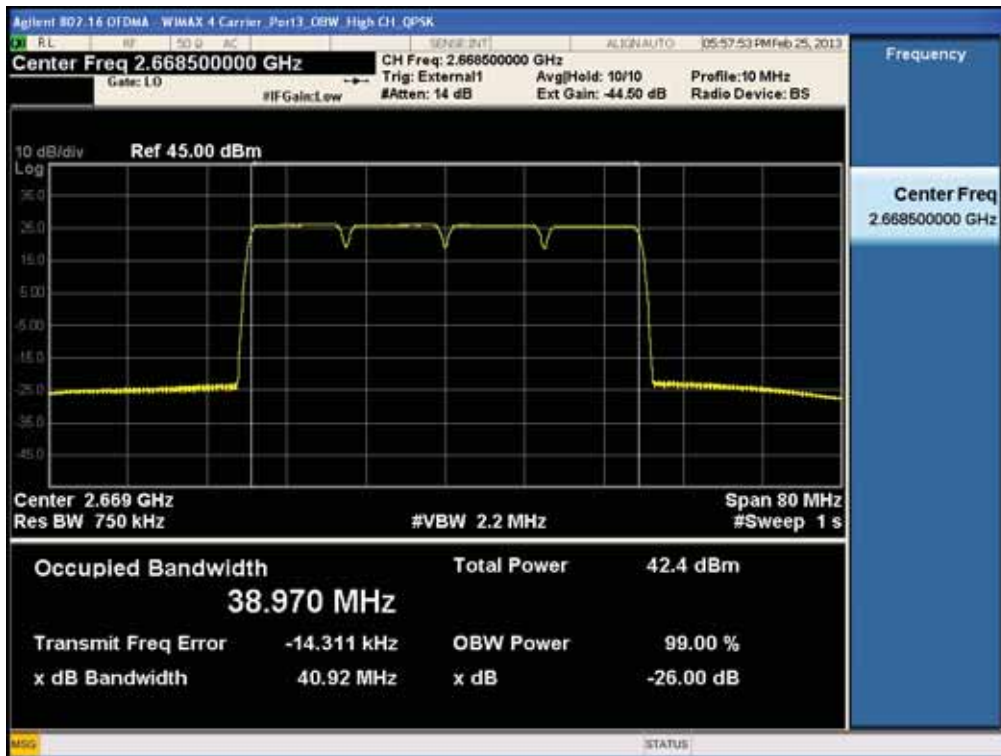


(QPSK Middle Channel)

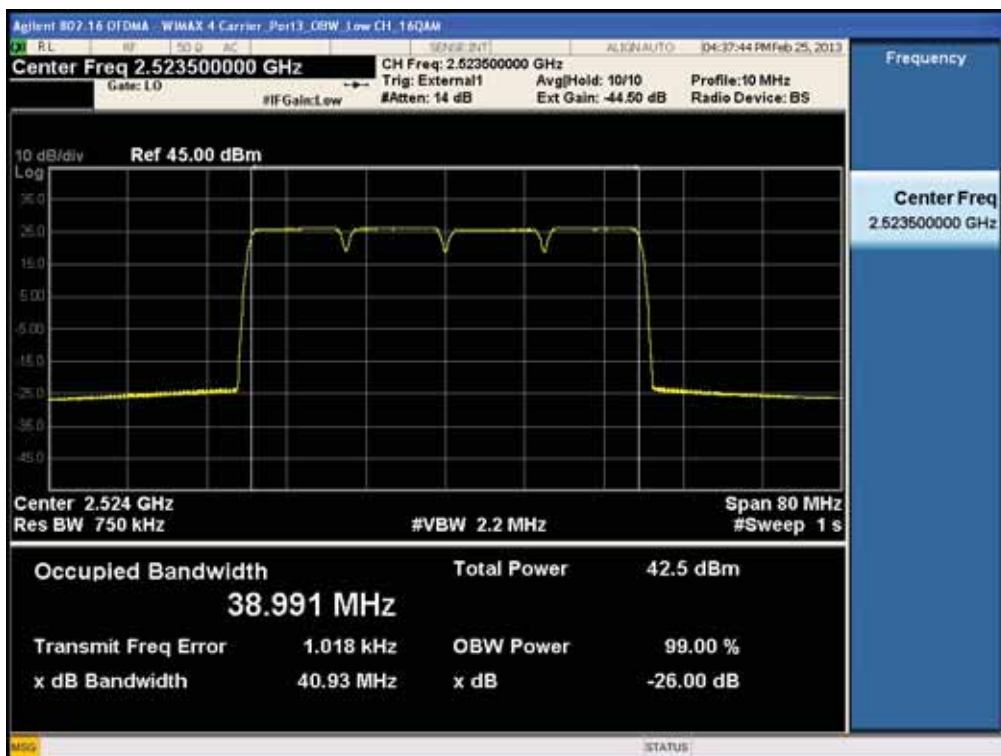


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 139 of 303

(QPSK High Channel)

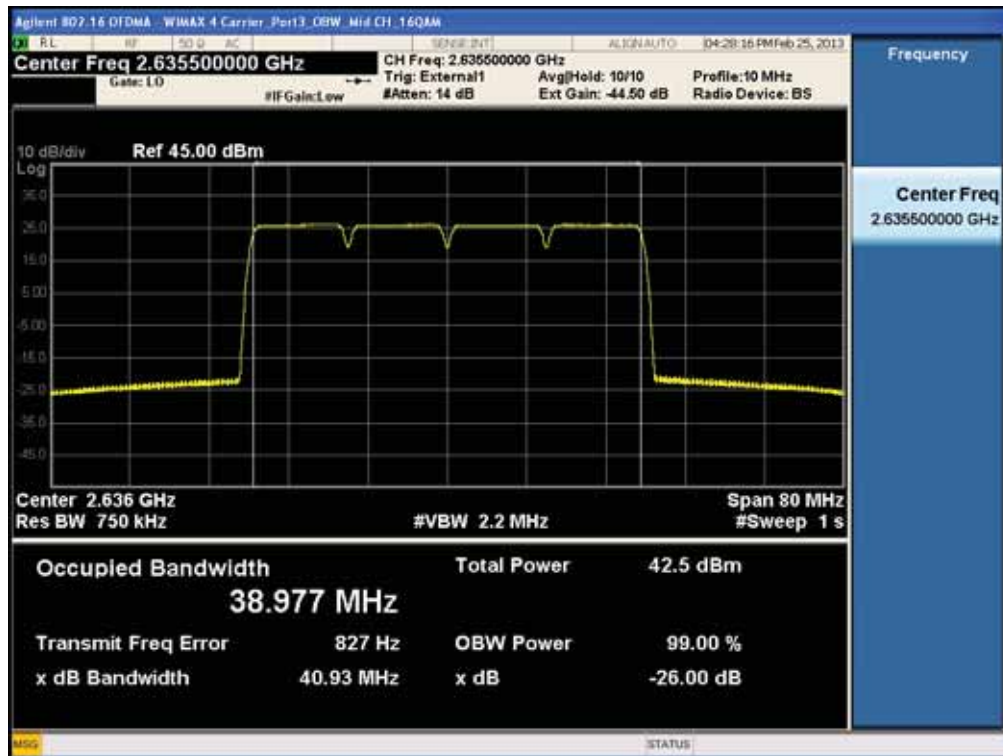


(16QAM Low Channel)

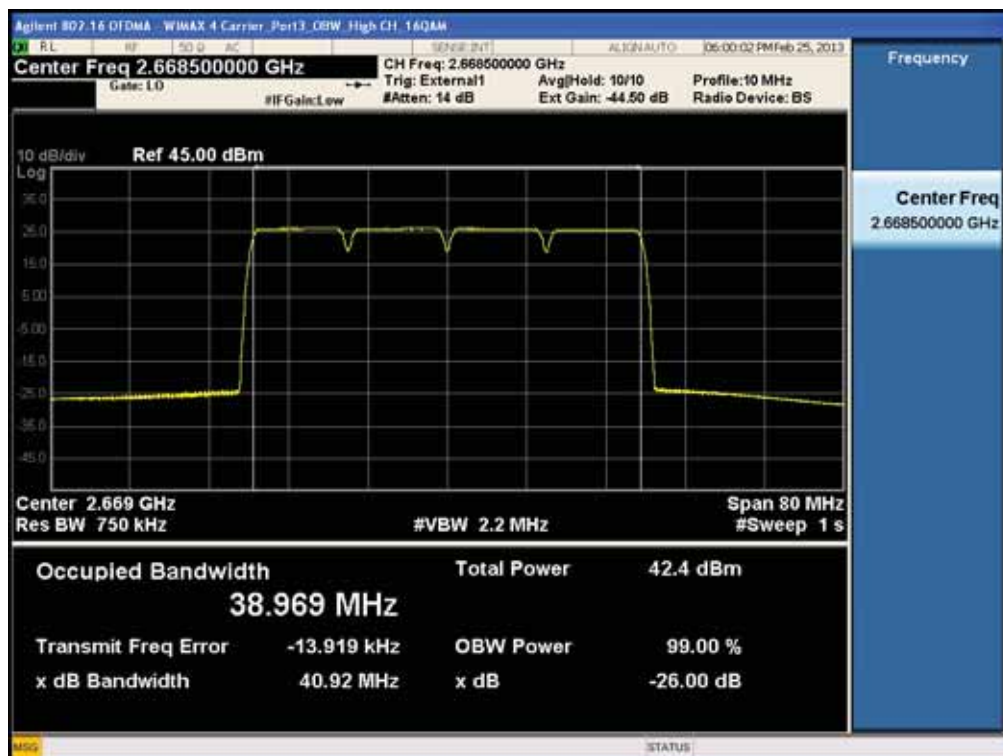


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 140 of 303

(16QAM Middle Channel)

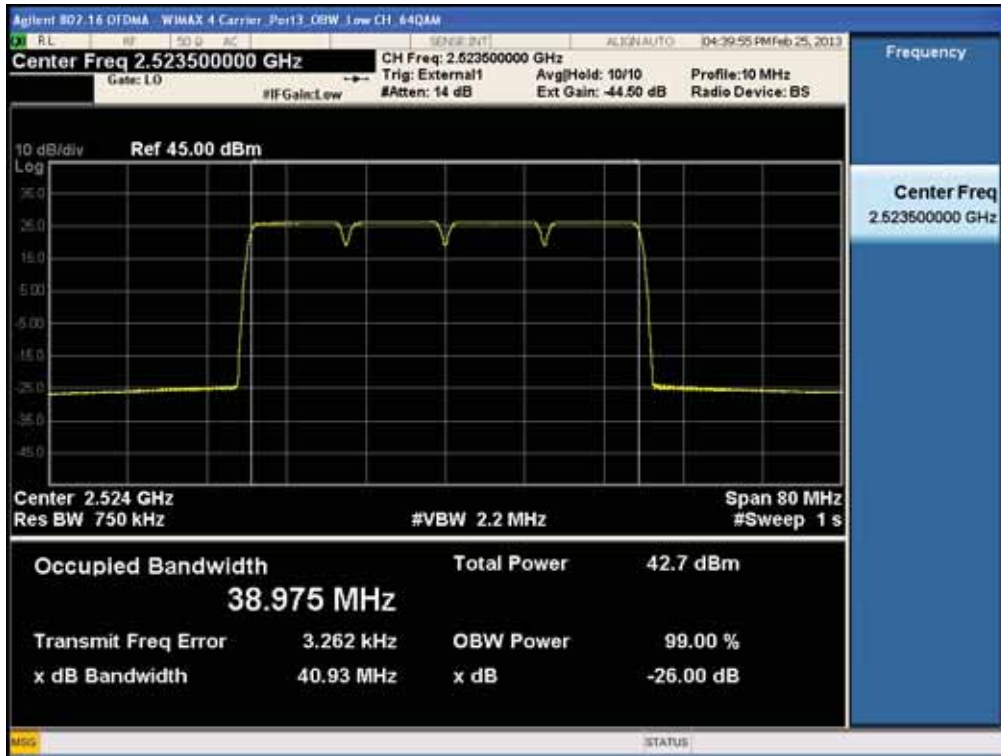


(16QAM High Channel)

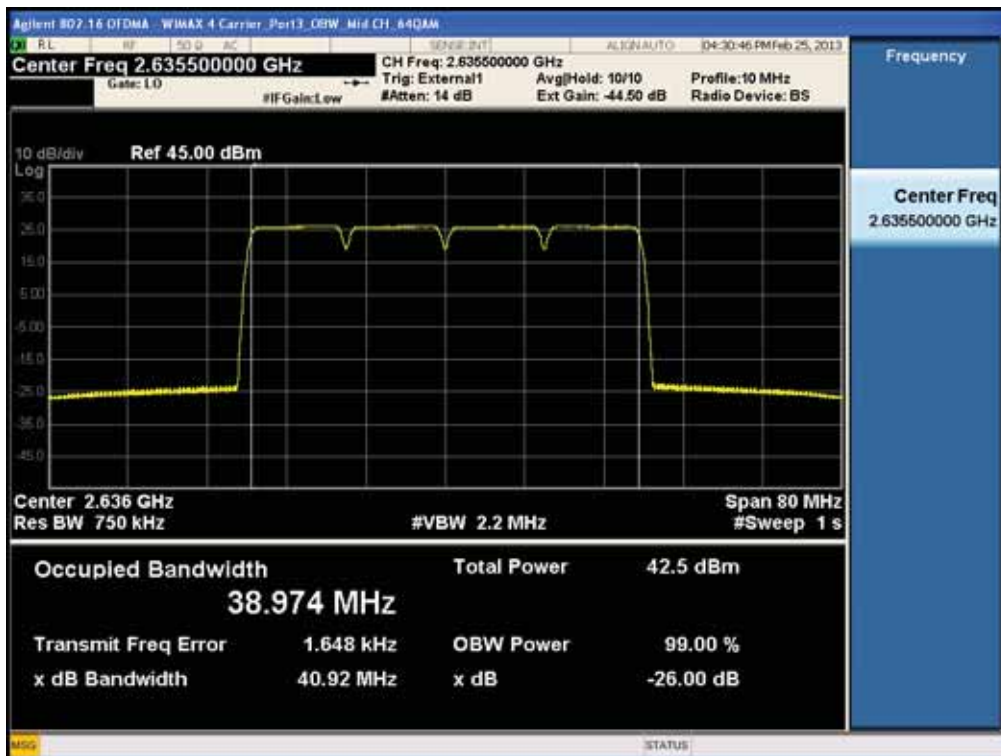


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 141 of 303

(64QAM Low Channel)

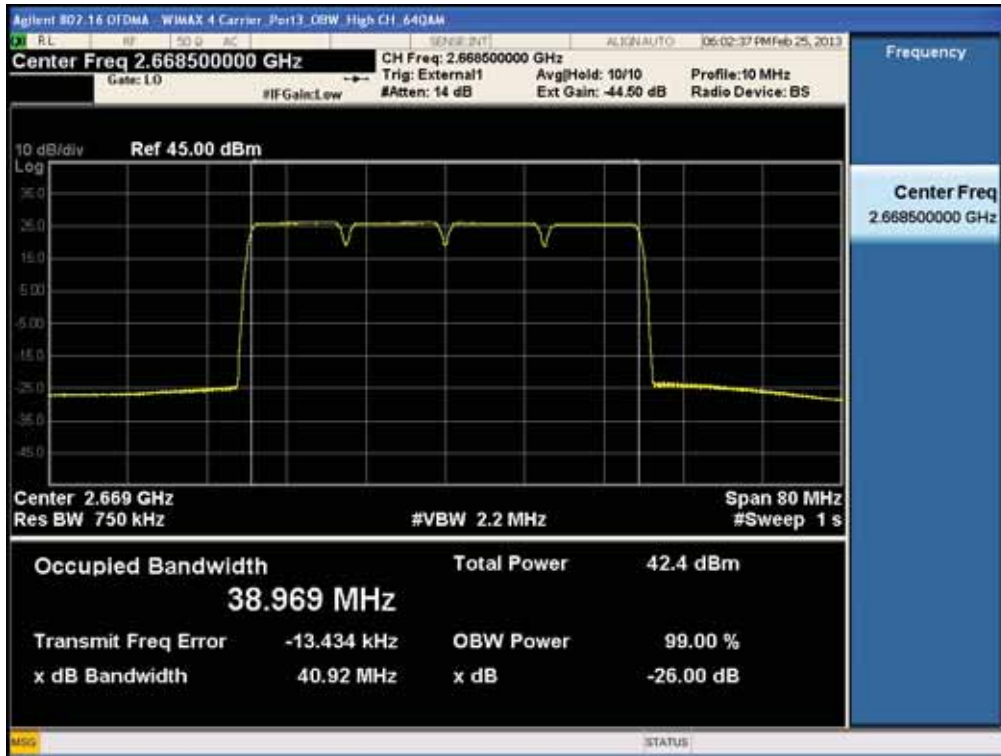


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 142 of 303

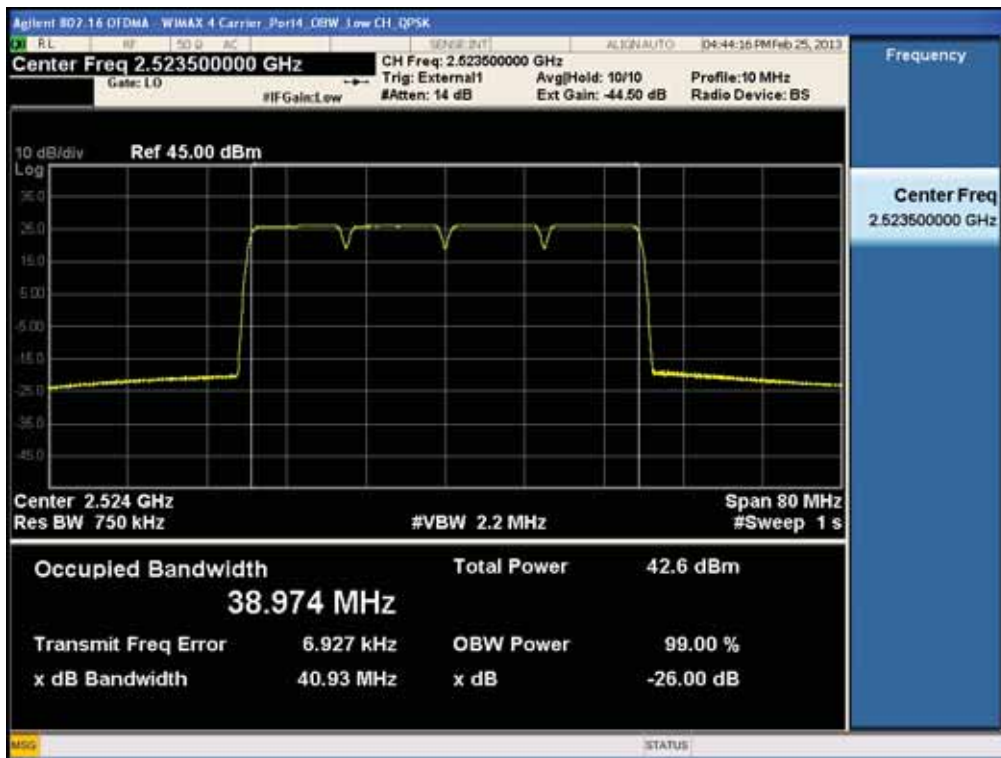
(64QAM High Channel)



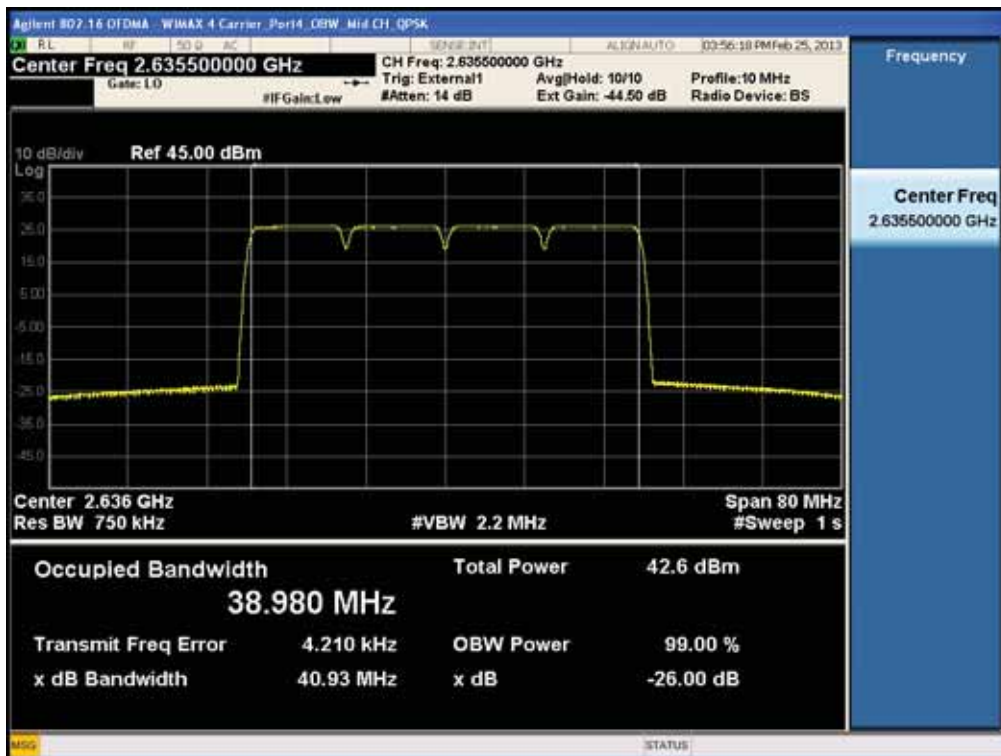
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 143 of 303

6.4.24. Plot Data for Output Port 4 (Occupied Bandwidth)

(QPSK Low Channel)

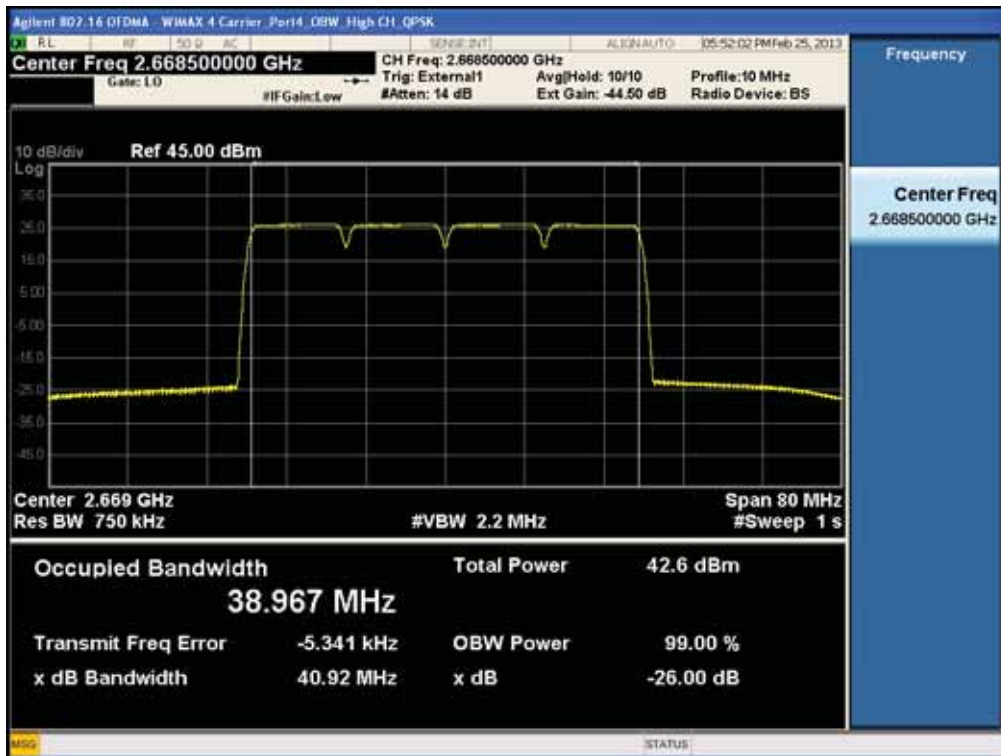


(QPSK Middle Channel)

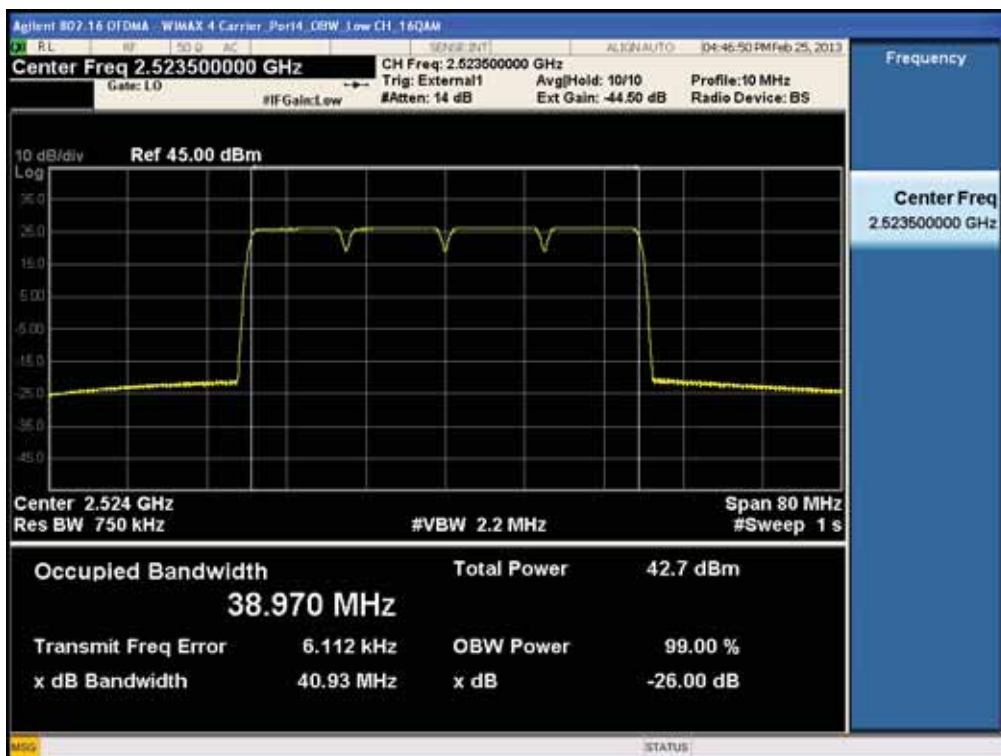


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 144 of 303

(QPSK High Channel)

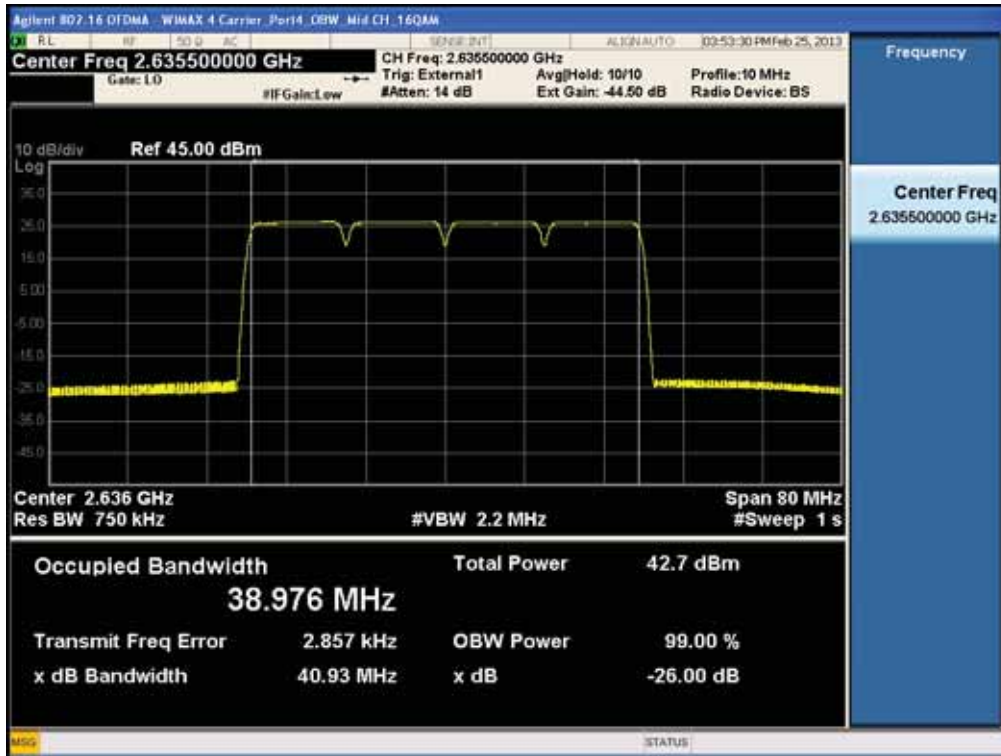


(16QAM Low Channel)

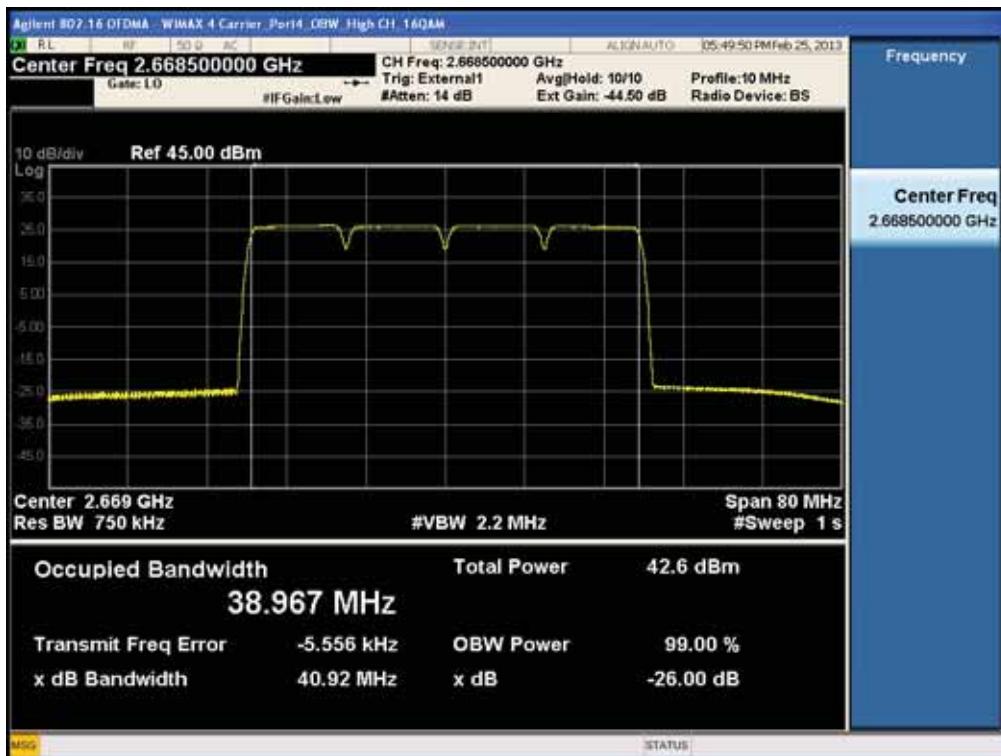


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 145 of 303

(16QAM Middle Channel)

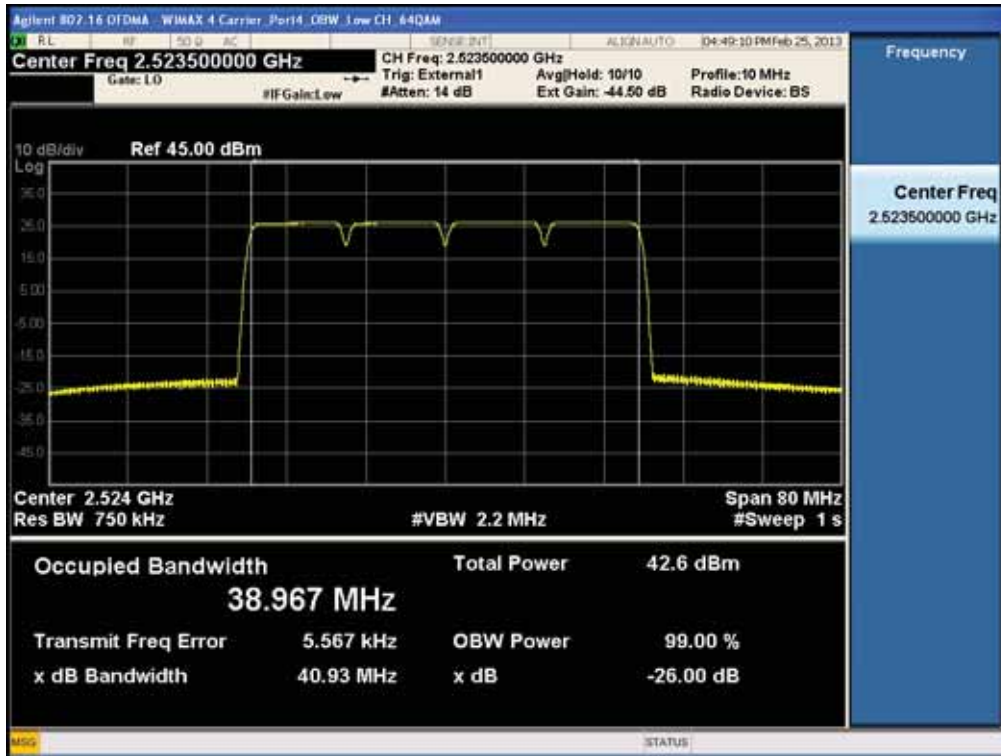


(16QAM High Channel)

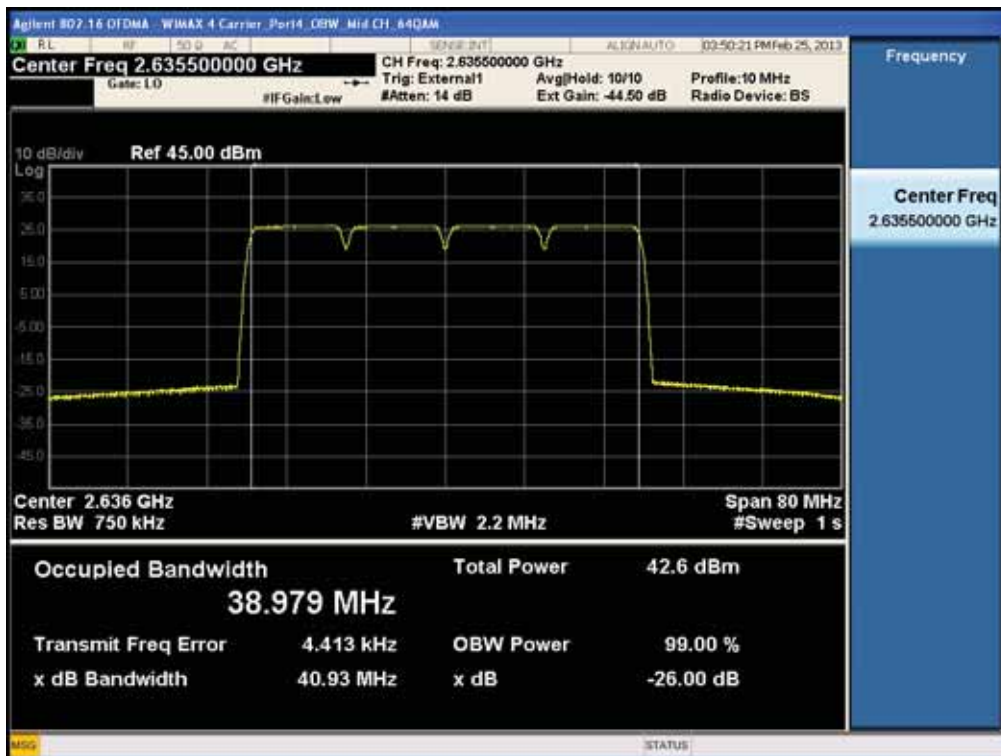


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 146 of 303

(64QAM Low Channel)

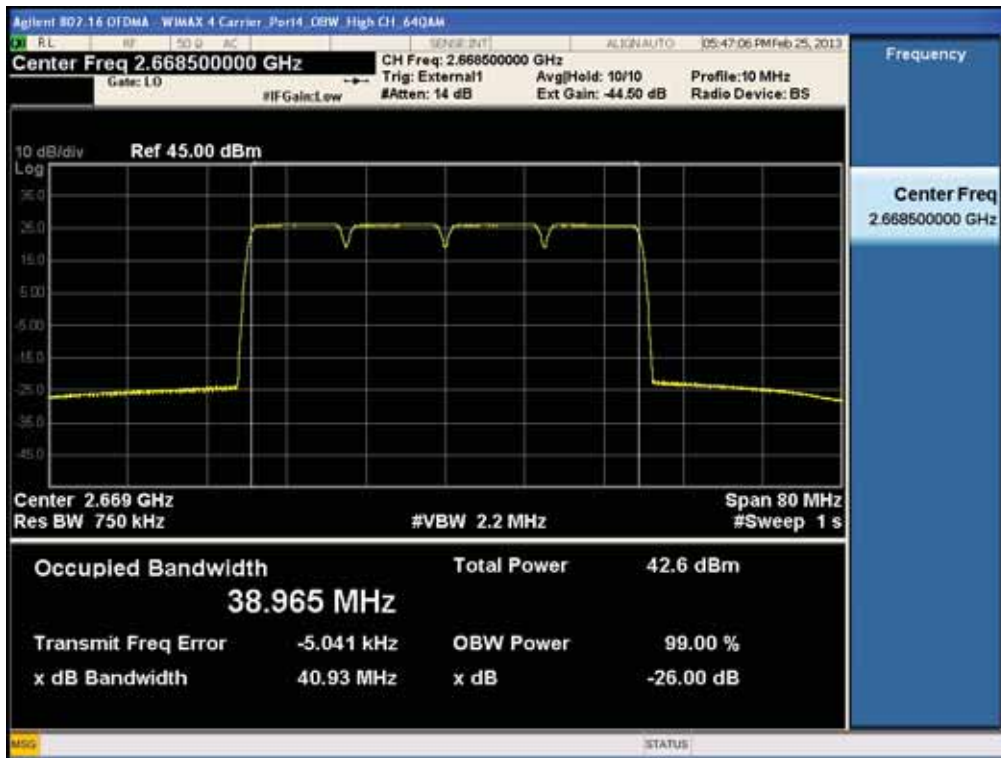


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 147 of 303

(64QAM High Channel)

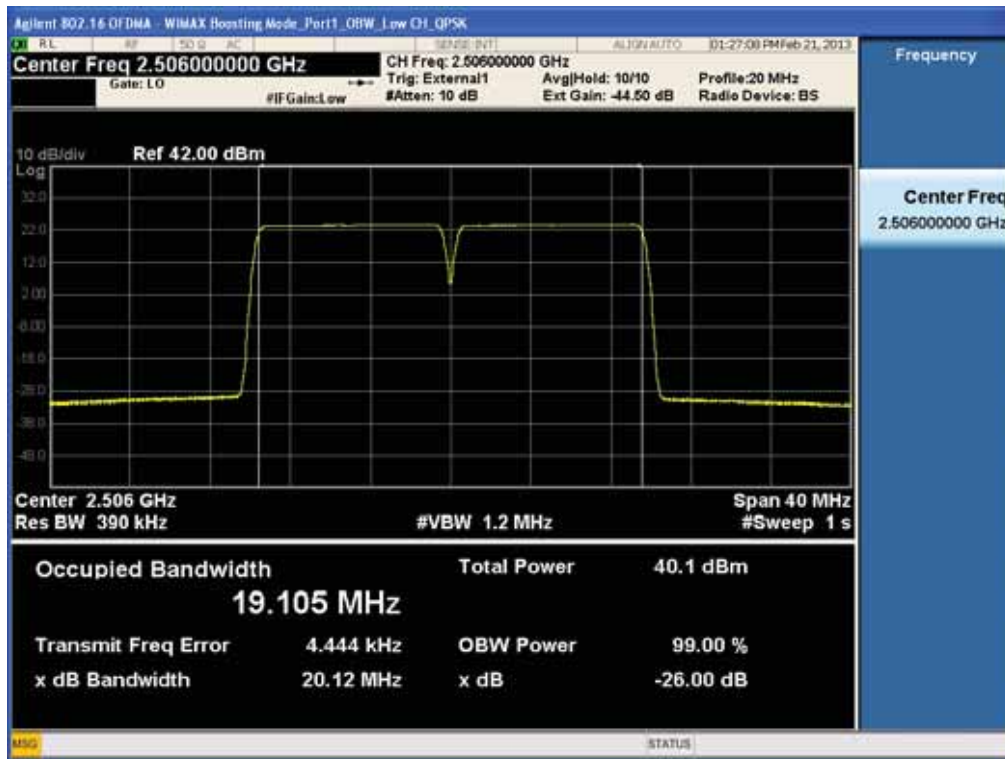


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 148 of 303

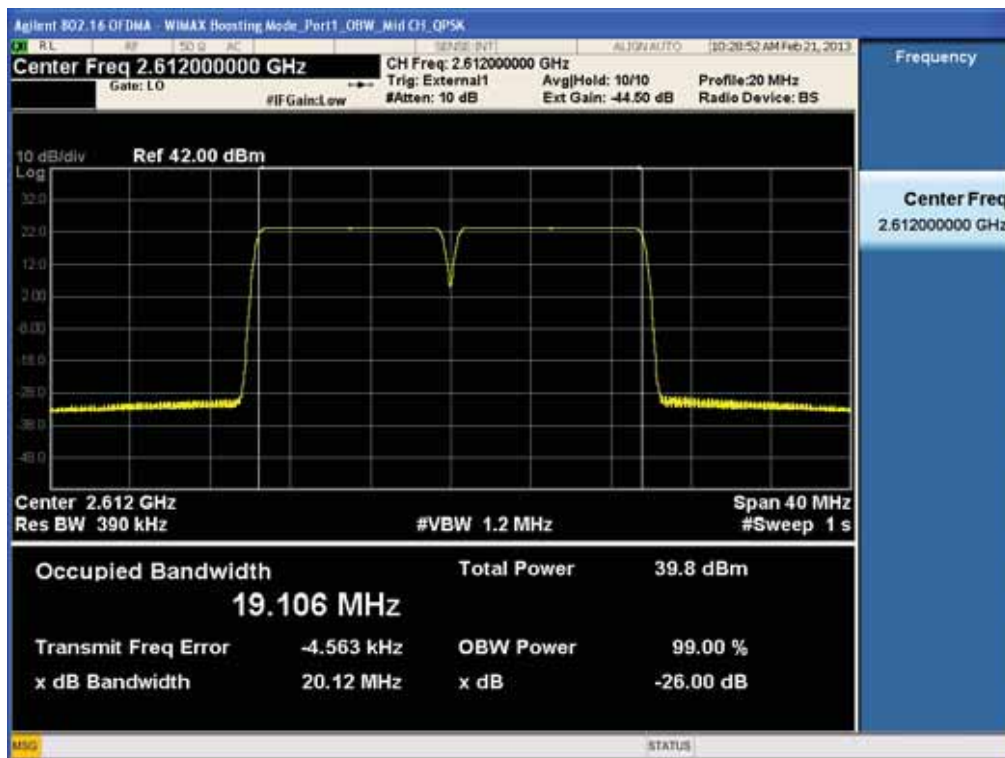
[WiMax_2FA Power Boosting mode]

6.4.25. Plot Data for Output Port 1 (Occupied Bandwidth)

(QPSK Low Channel)

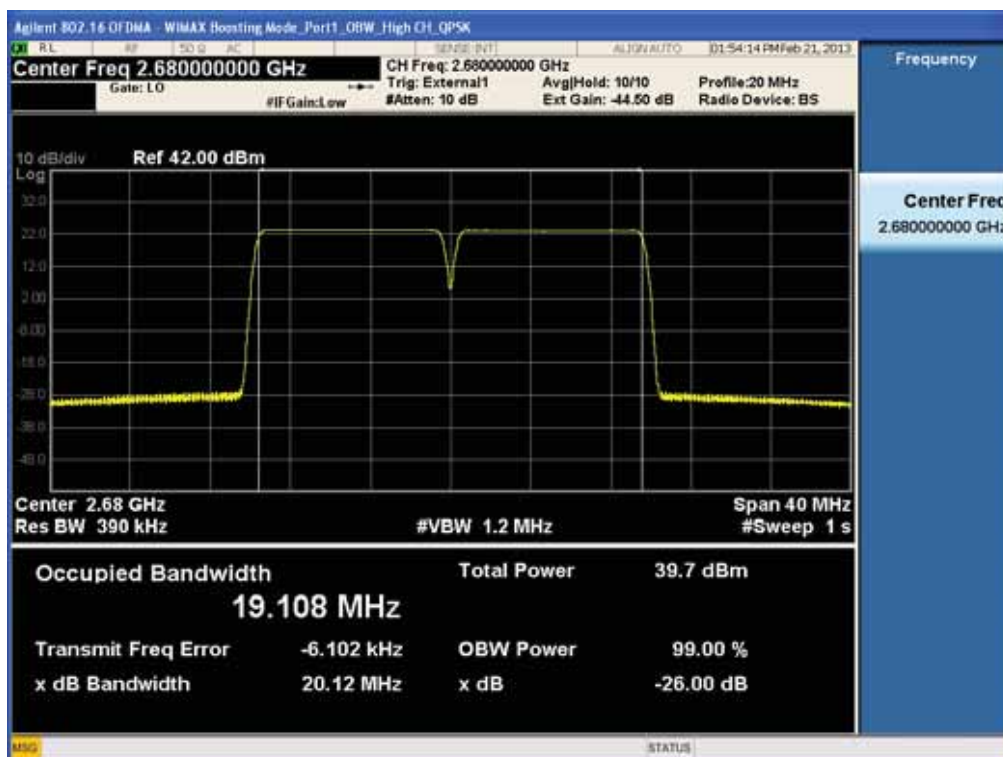


(QPSK Middle Channel)

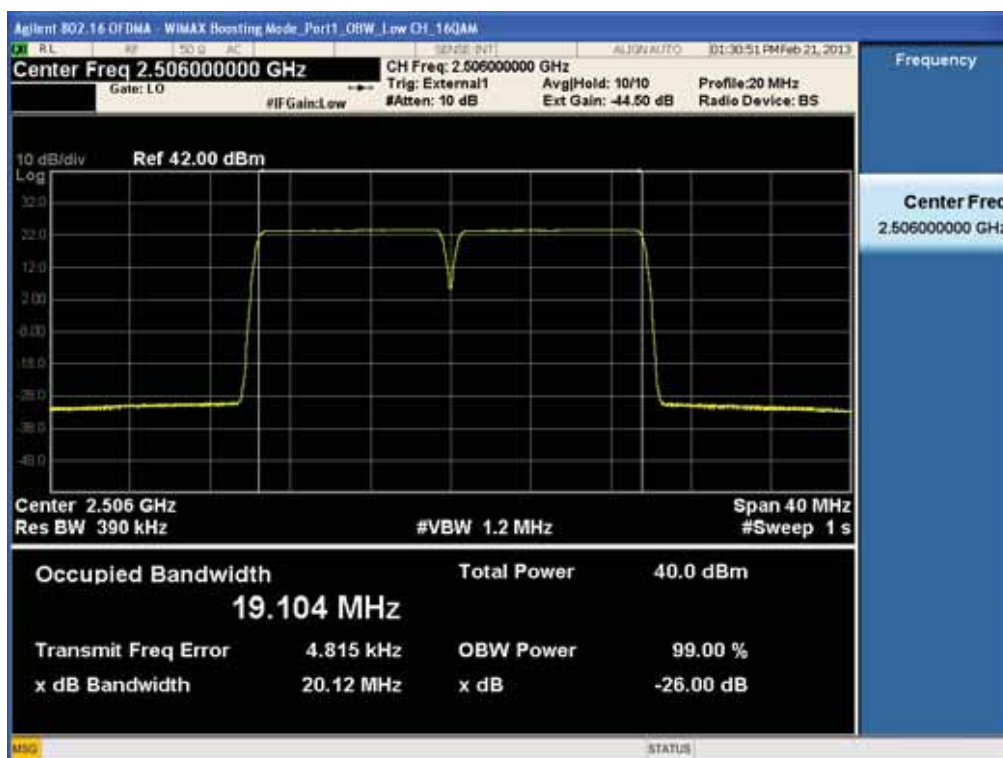


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 149 of 303

(QPSK High Channel)

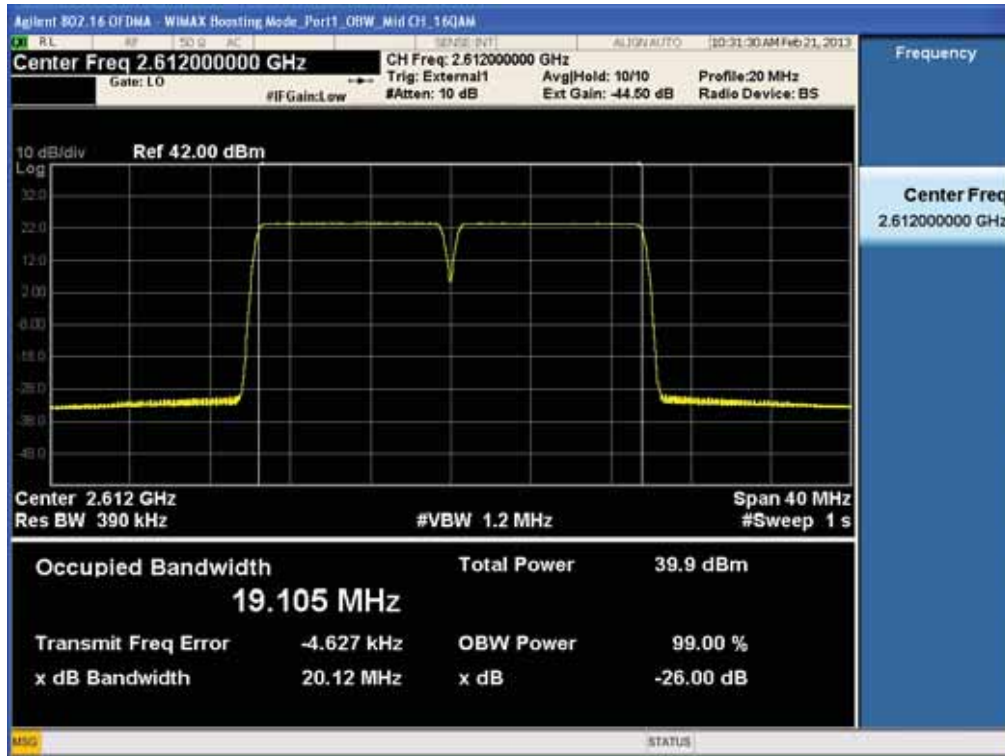


(16QAM Low Channel)

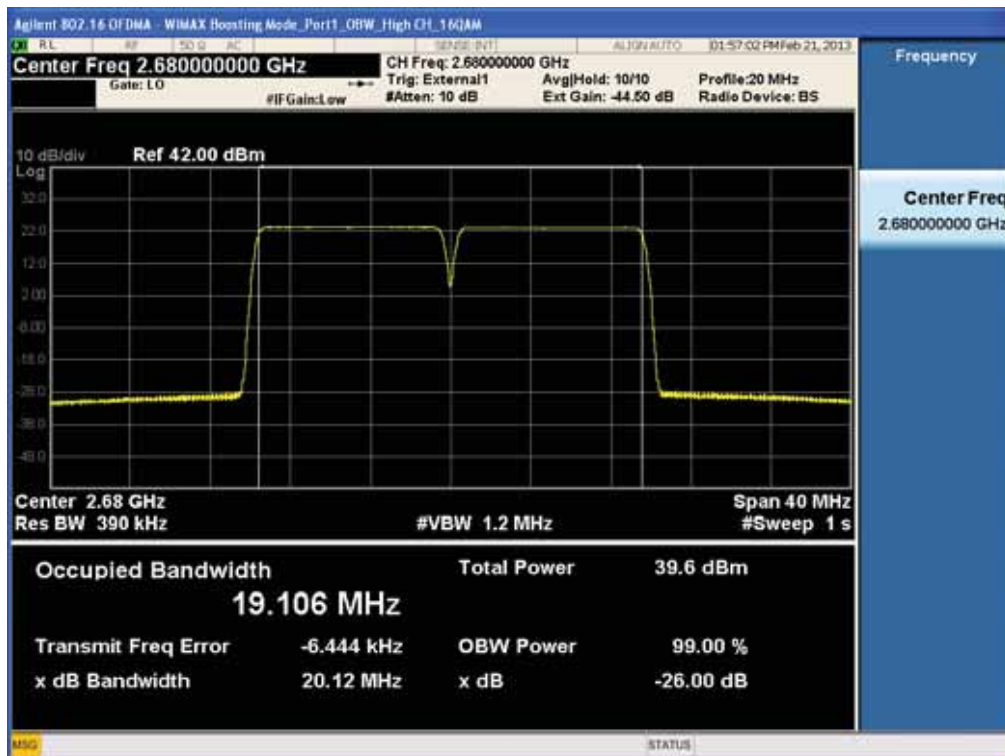


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 150 of 303

(16QAM Middle Channel)

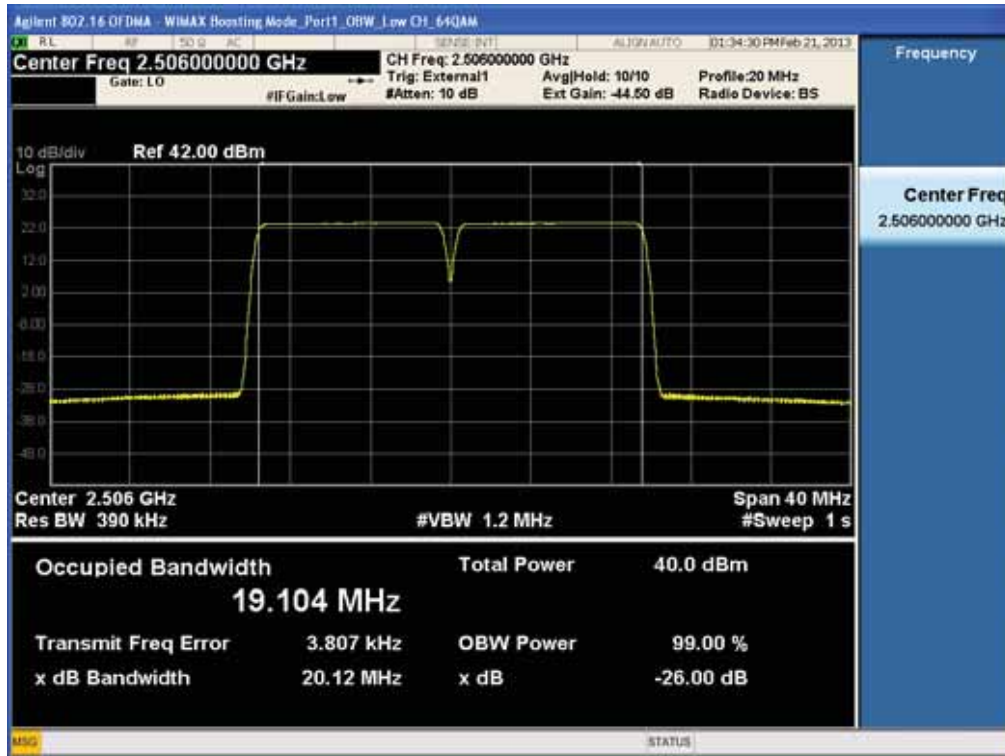


(16QAM High Channel)

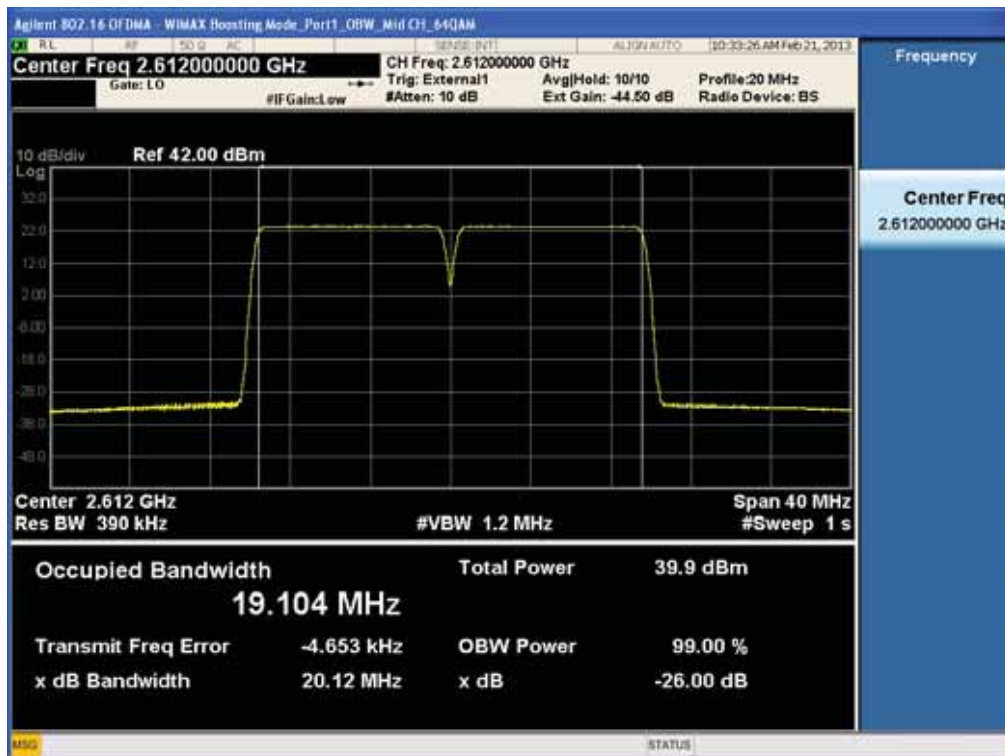


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 151 of 303

(64QAM Low Channel)

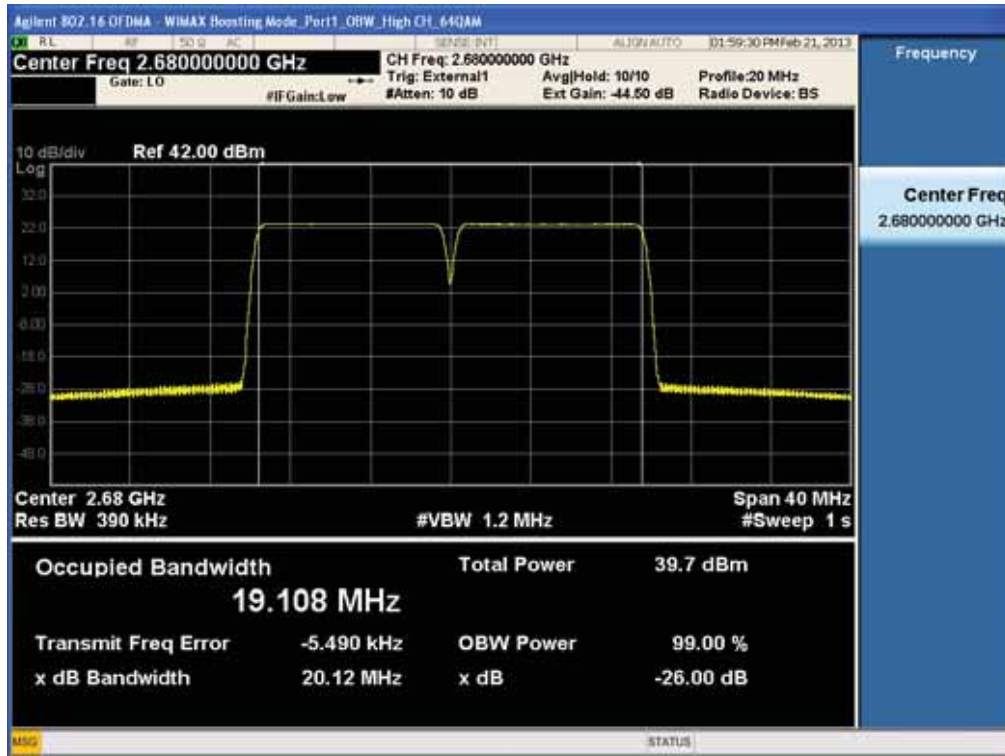


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 152 of 303

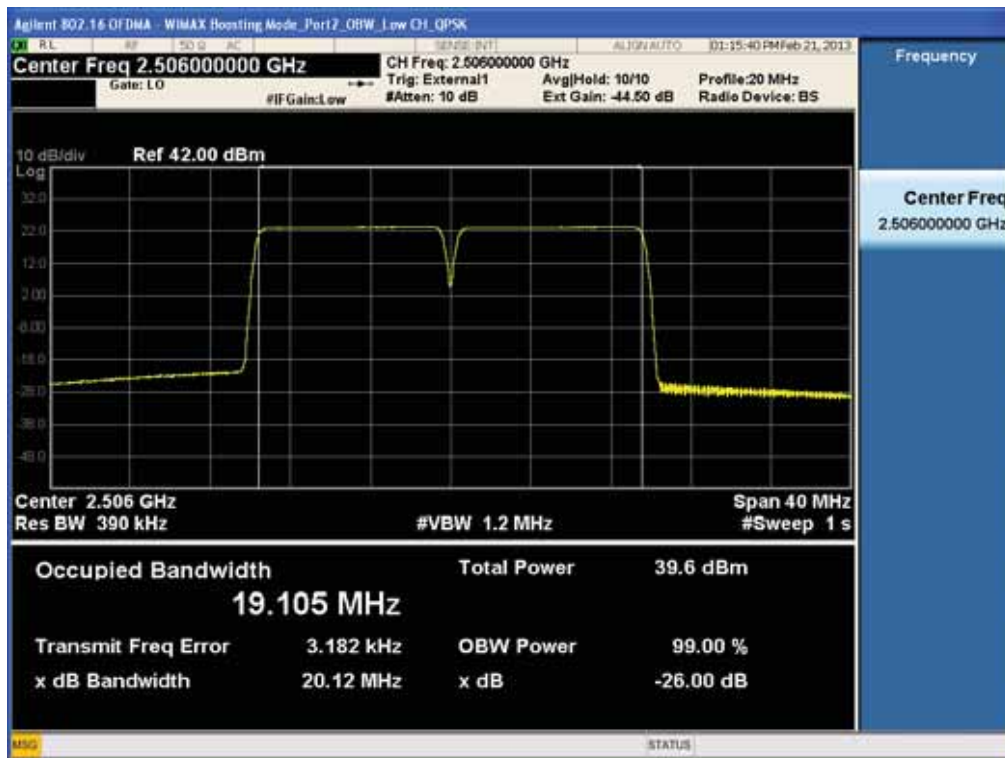
(64QAM High Channel)



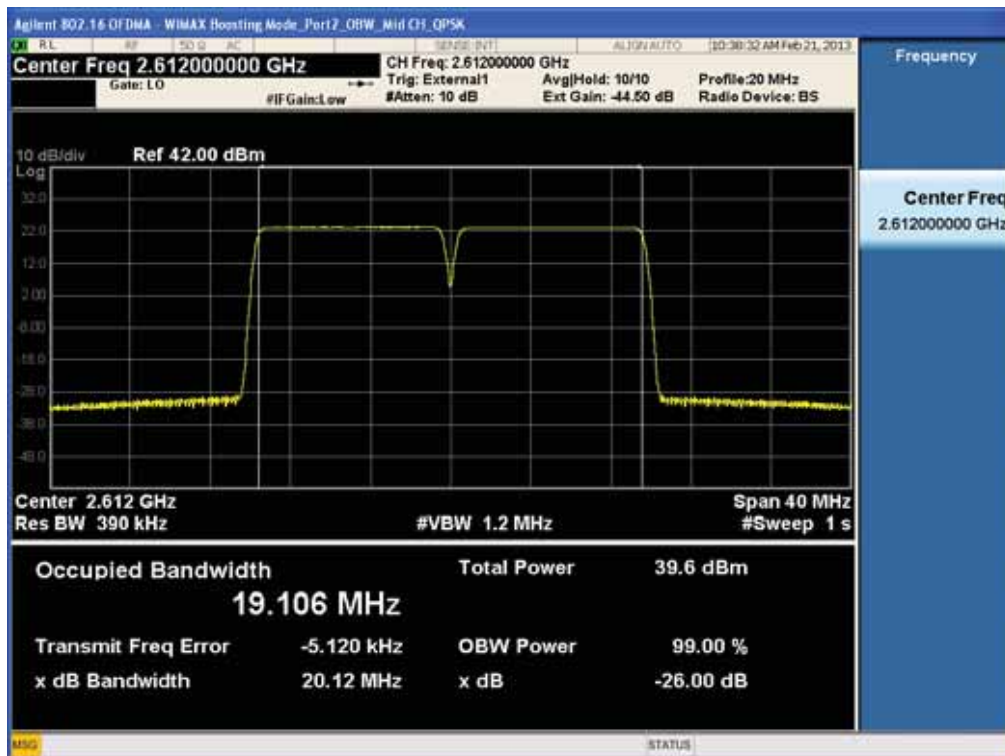
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 153 of 303

6.4.26. Plot Data for Output Port 2 (Occupied Bandwidth)

(QPSK Low Channel)

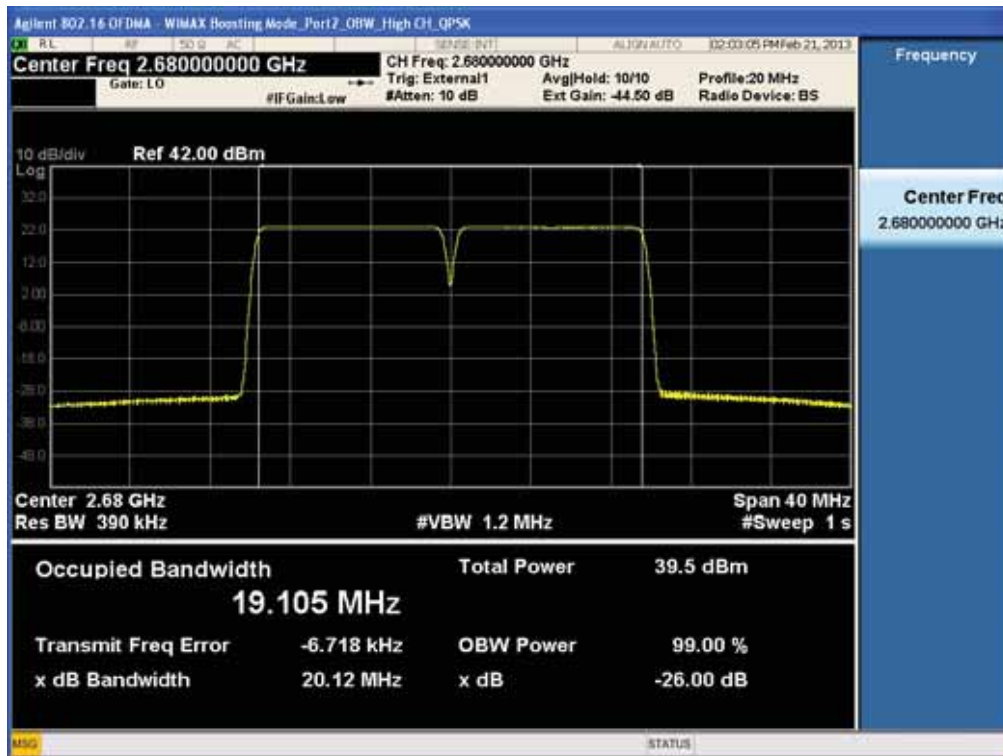


(QPSK Middle Channel)

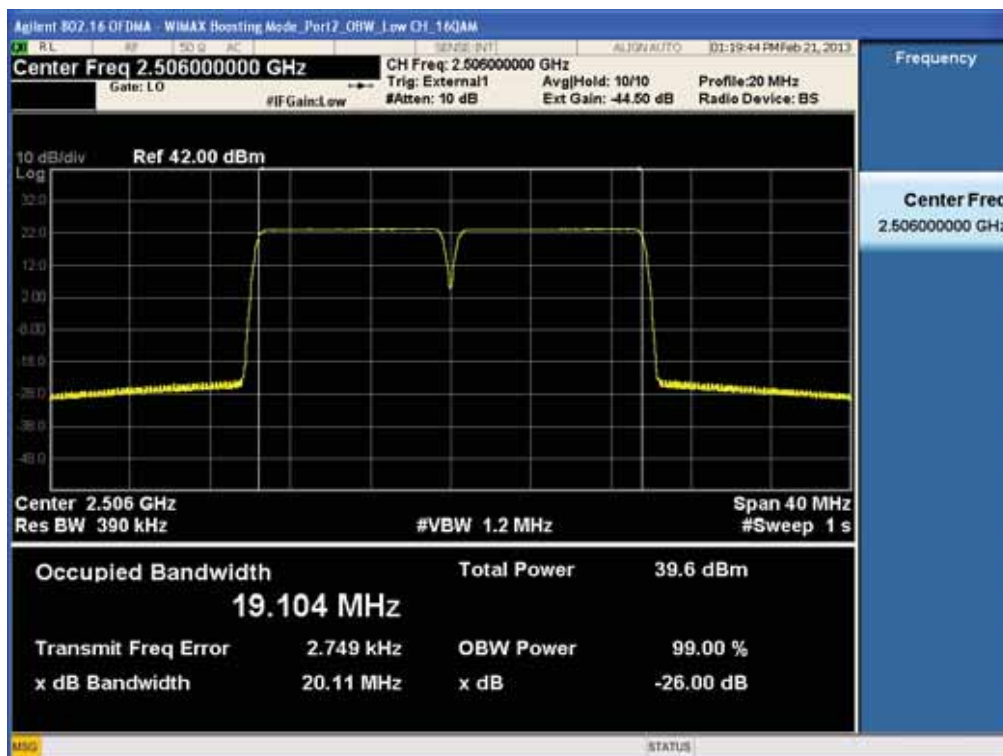


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 154 of 303

(QPSK High Channel)

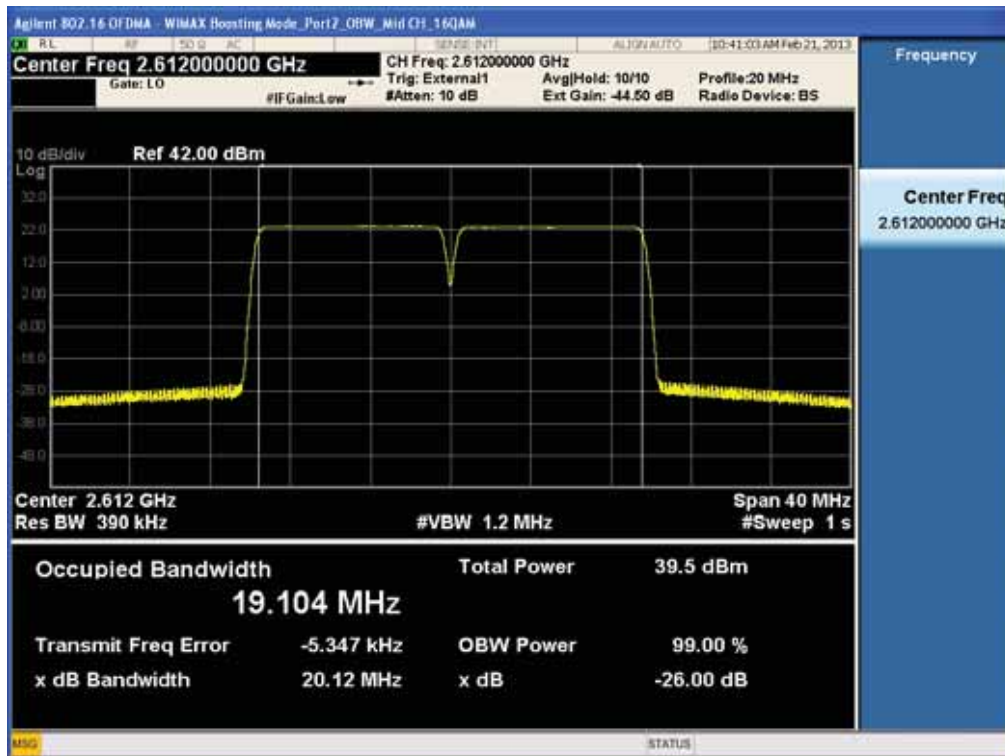


(16QAM Low Channel)

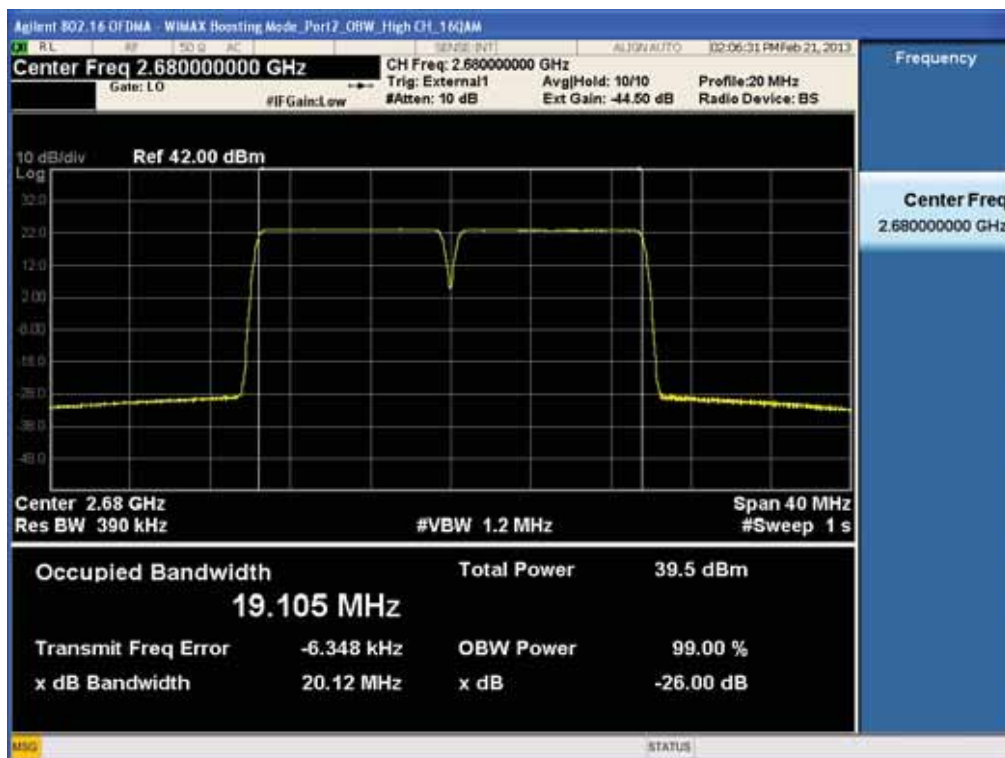


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 155 of 303

(16QAM Middle Channel)

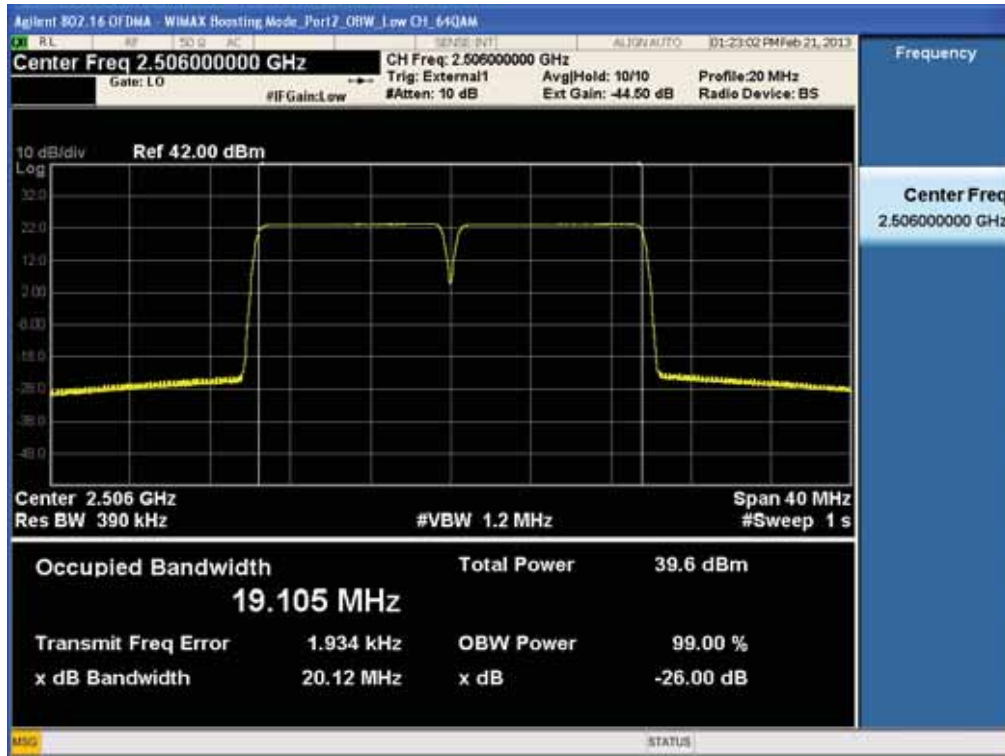


(16QAM High Channel)

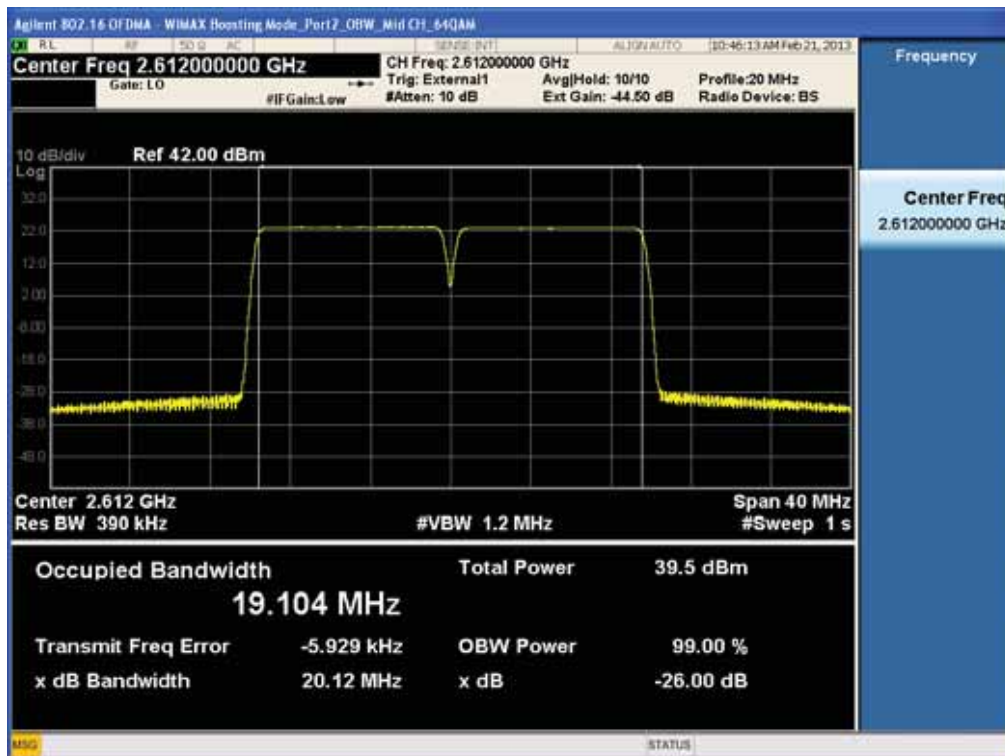


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 156 of 303

(64QAM Low Channel)

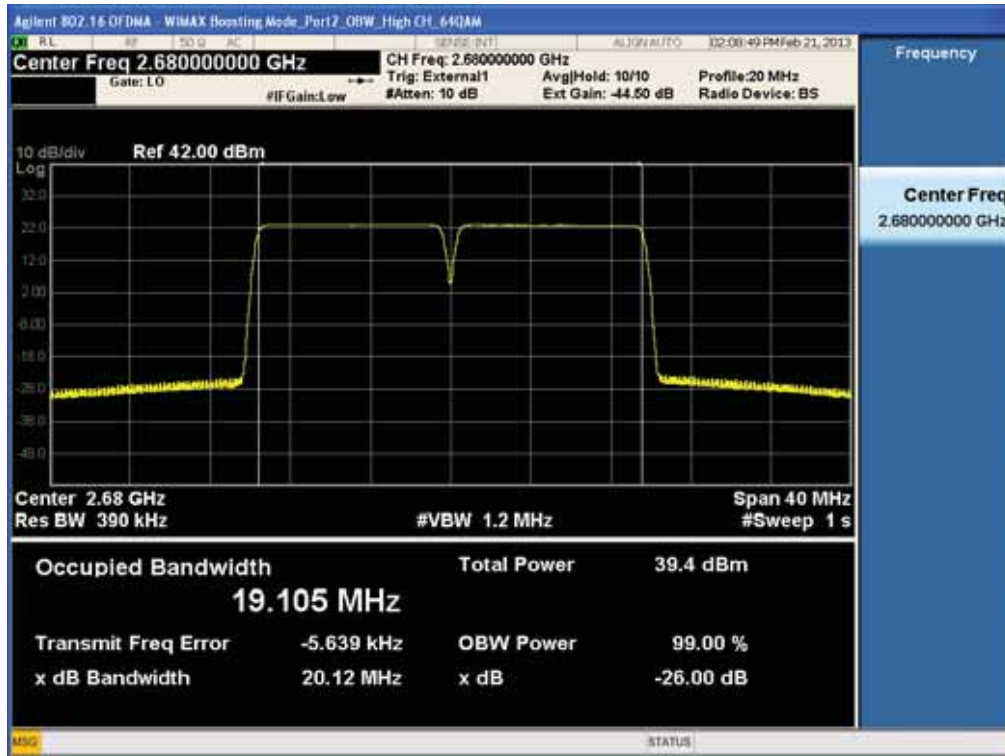


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 157 of 303

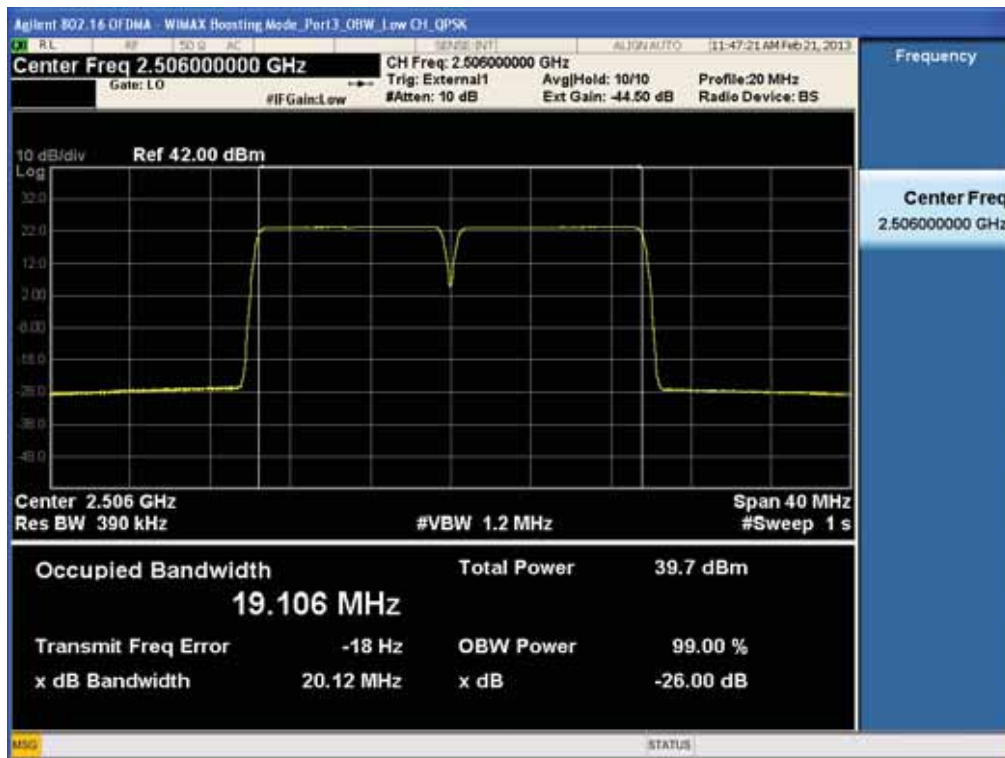
(64QAM High Channel)



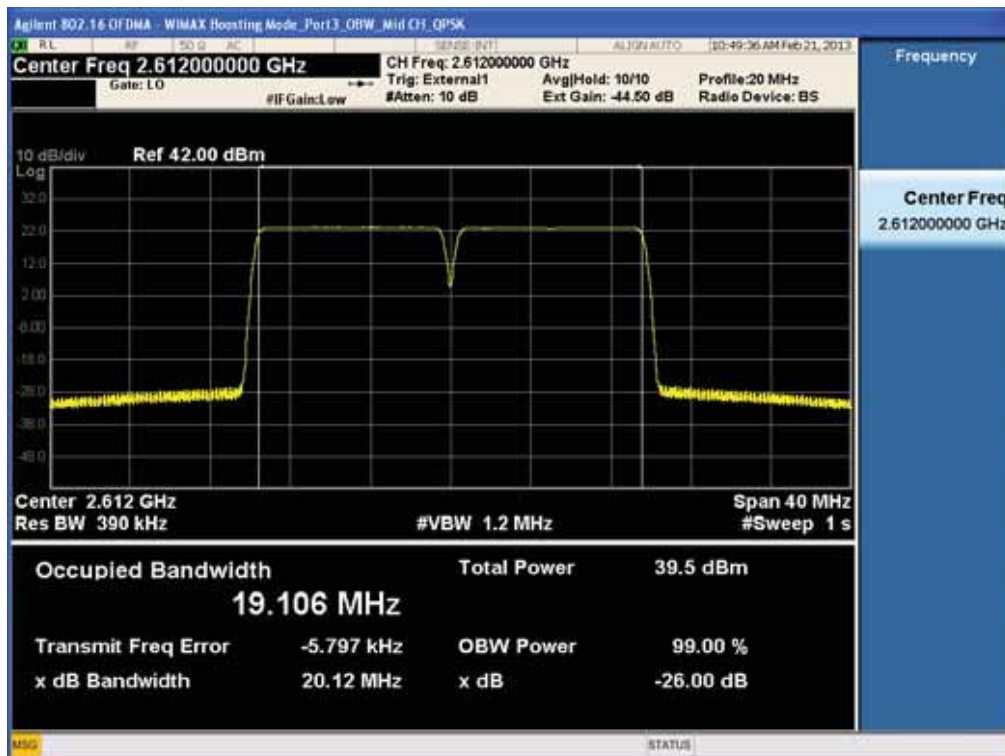
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 158 of 303

6.4.27. Plot Data for Output Port 3 (Occupied Bandwidth)

(QPSK Low Channel)

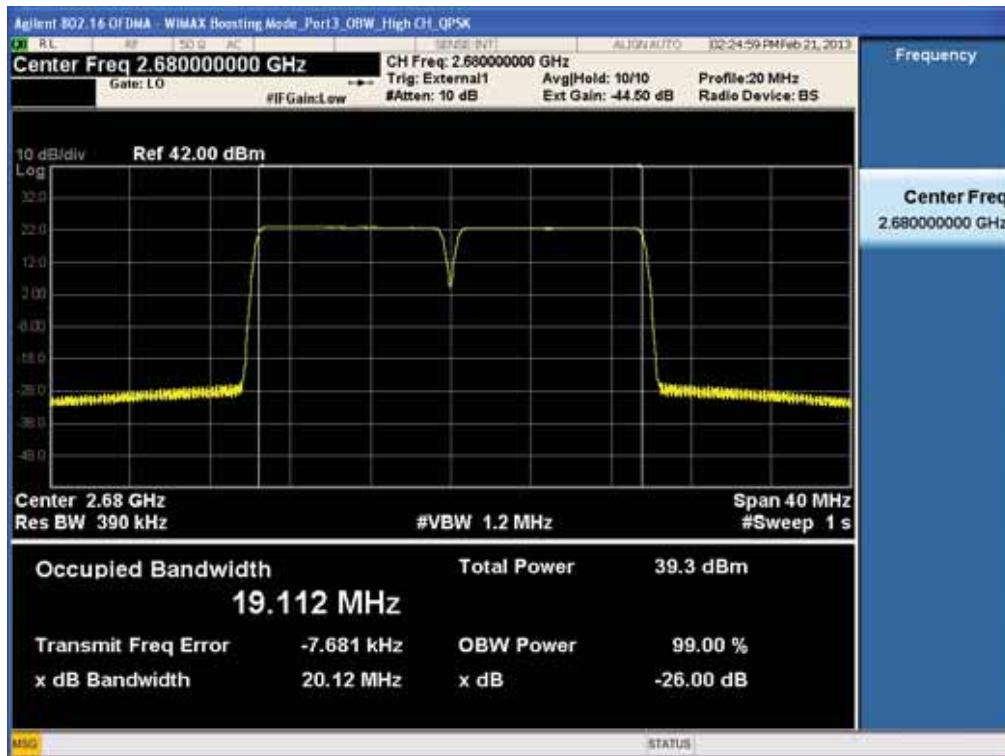


(QPSK Middle Channel)

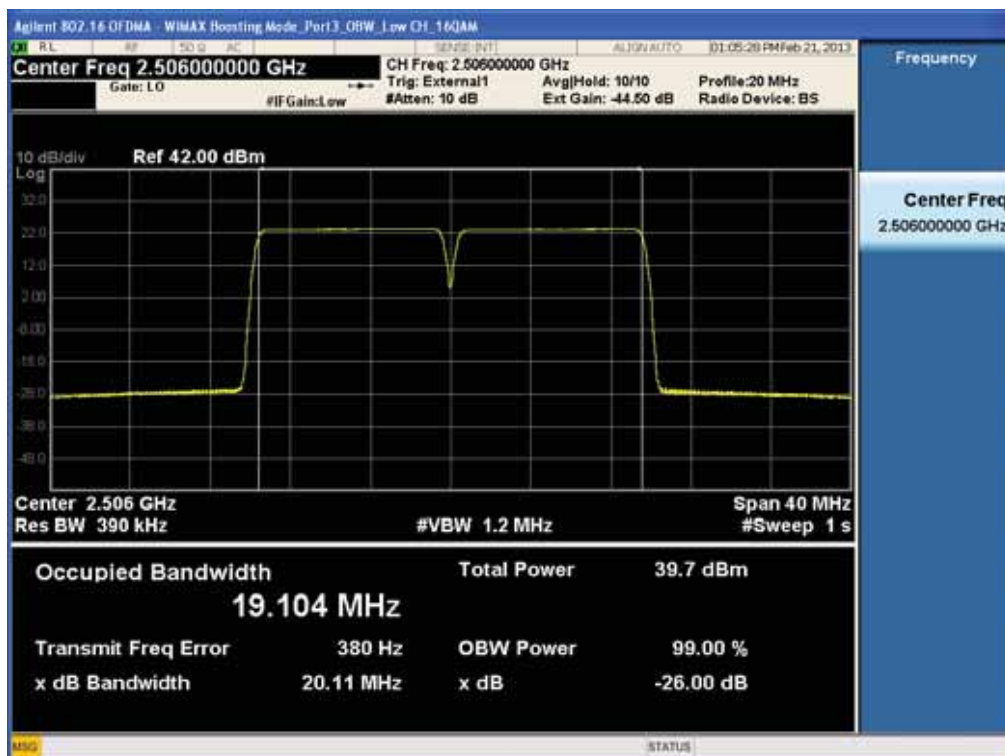


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 159 of 303

(QPSK High Channel)

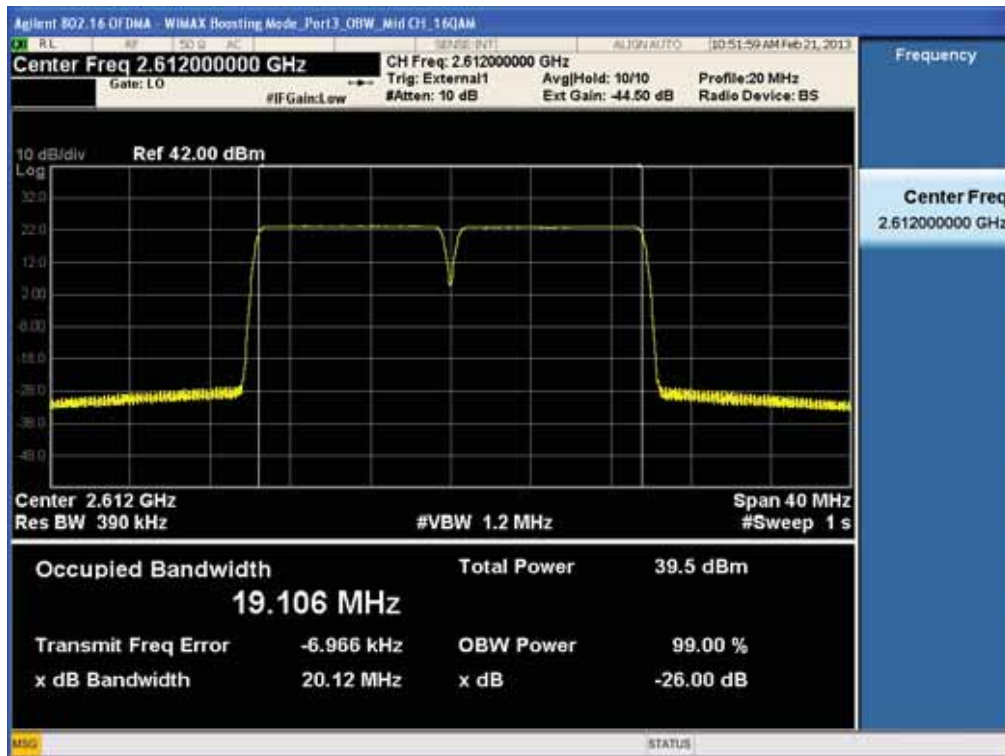


(16QAM Low Channel)

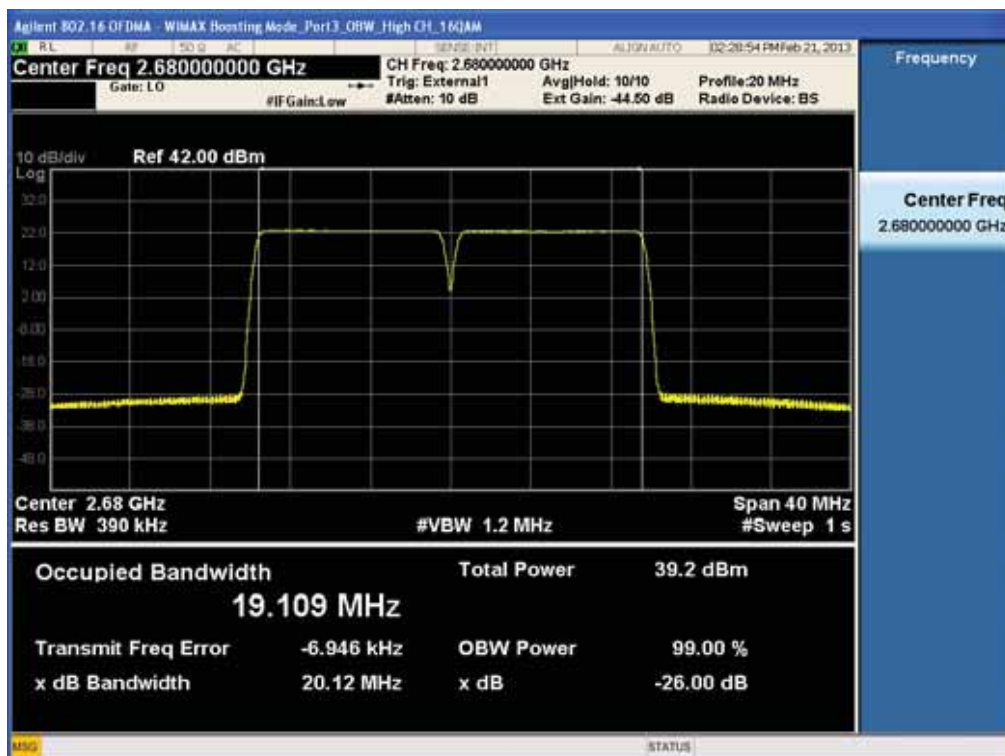


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 160 of 303

(16QAM Middle Channel)

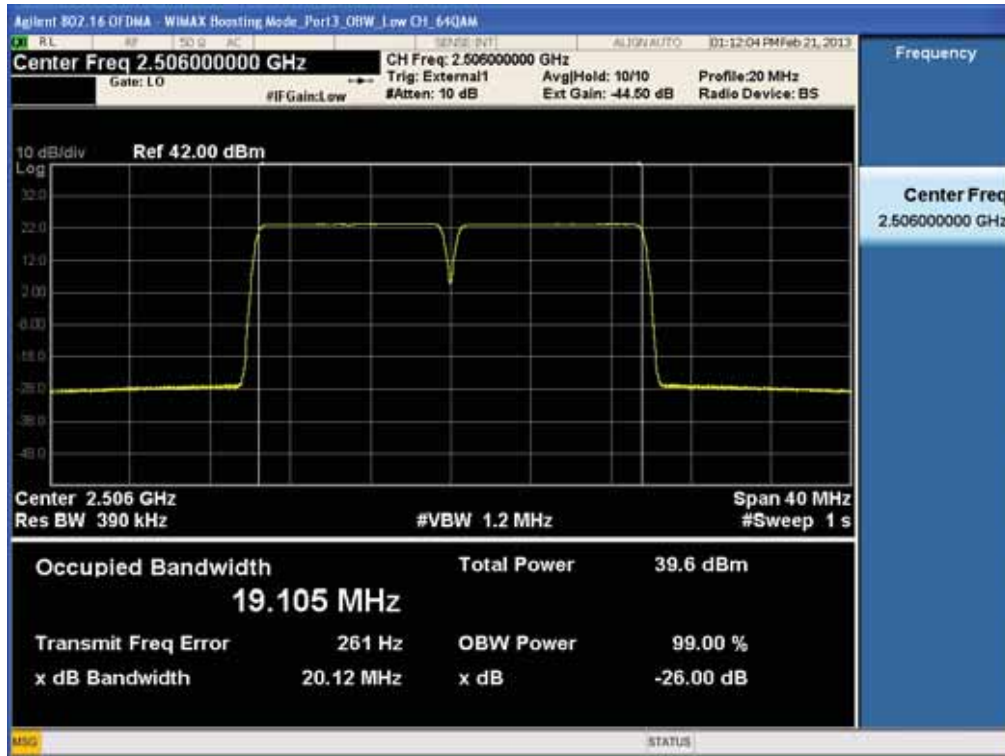


(16QAM High Channel)

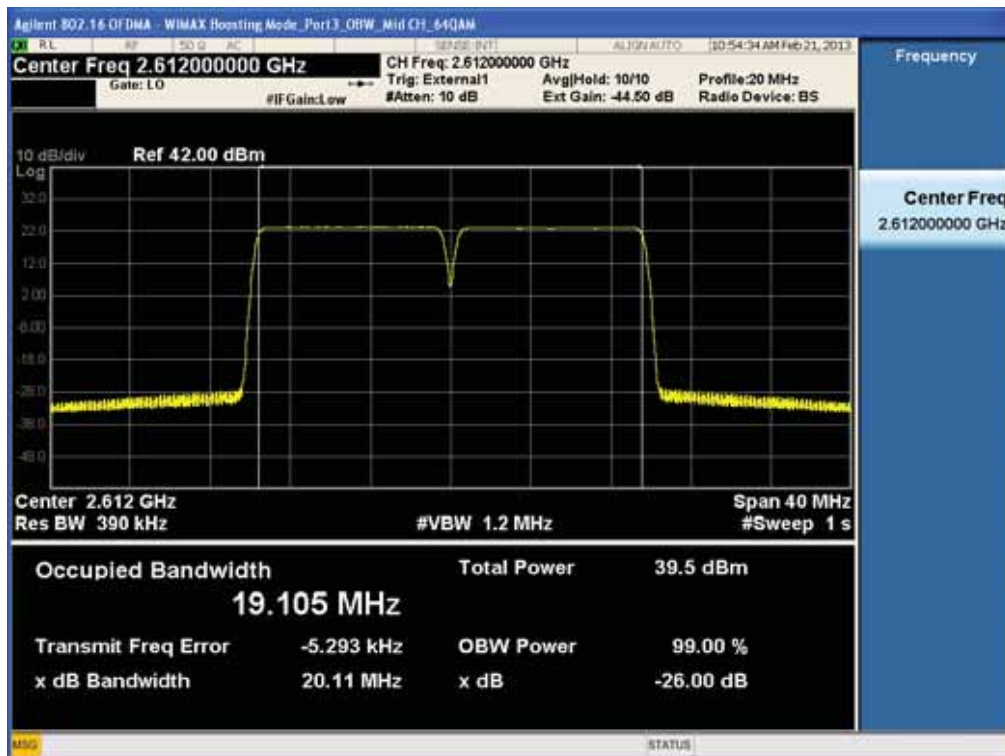


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 161 of 303

(64QAM Low Channel)

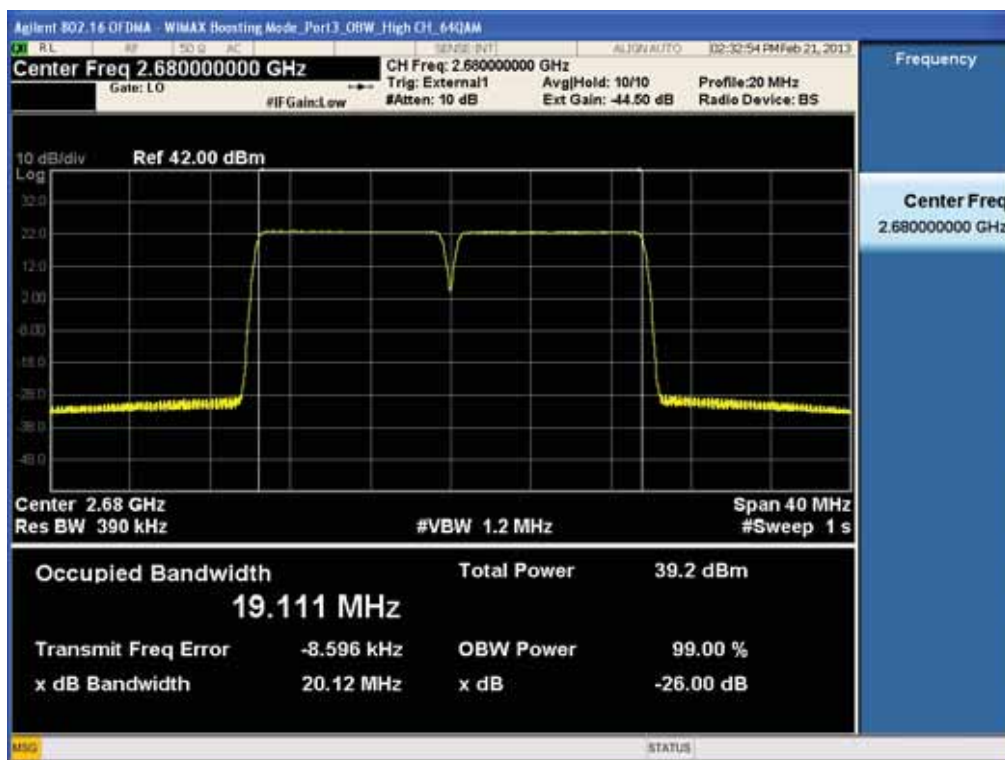


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 162 of 303

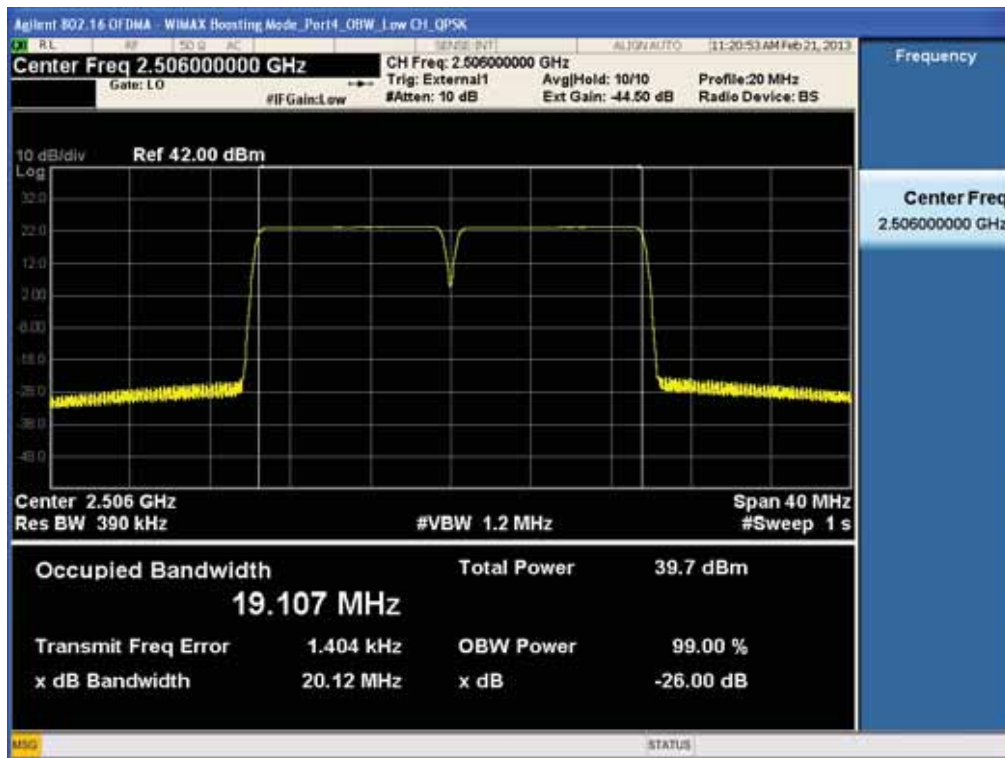
(64QAM High Channel)



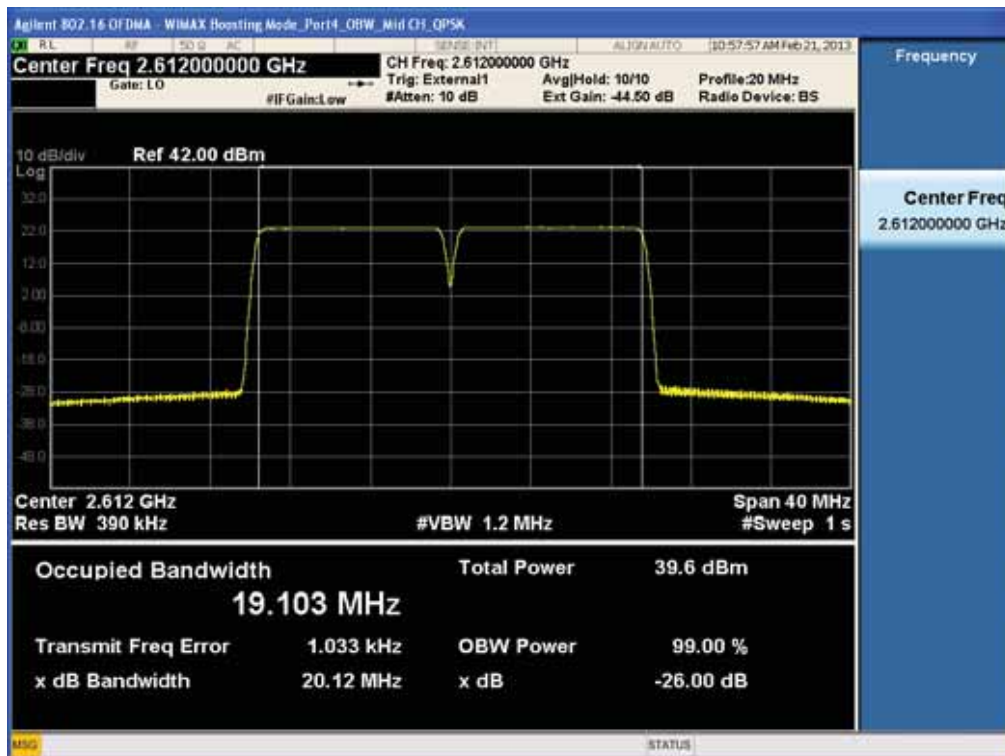
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 163 of 303

6.4.28. Plot Data for Output Port 4 (Occupied Bandwidth)

(QPSK Low Channel)

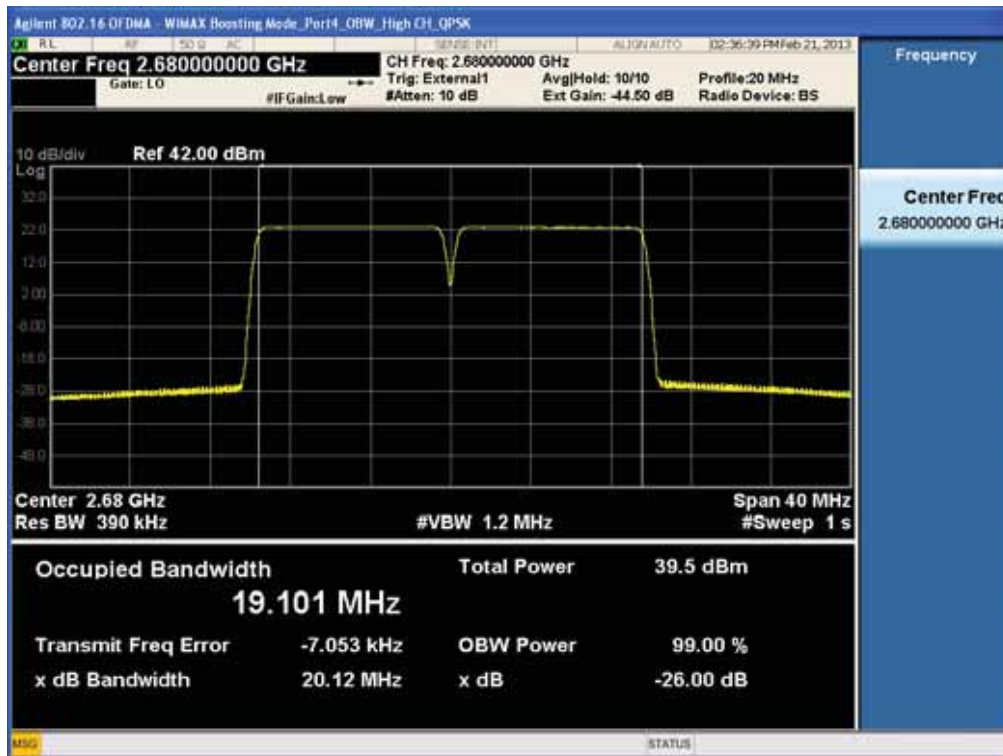


(QPSK Middle Channel)

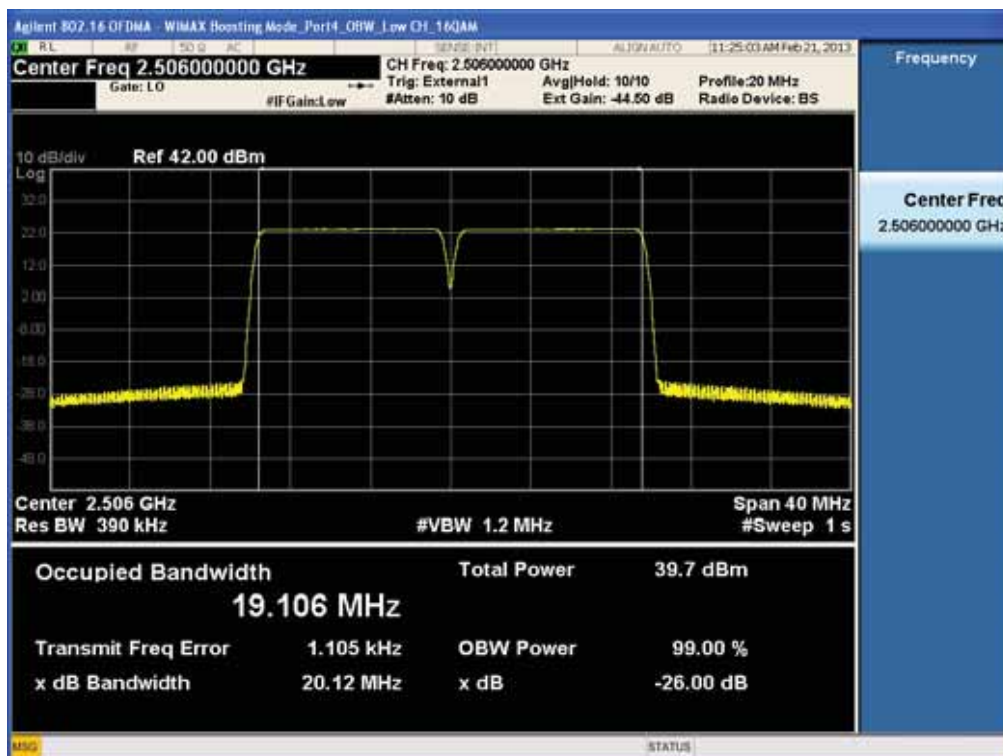


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 164 of 303

(QPSK High Channel)

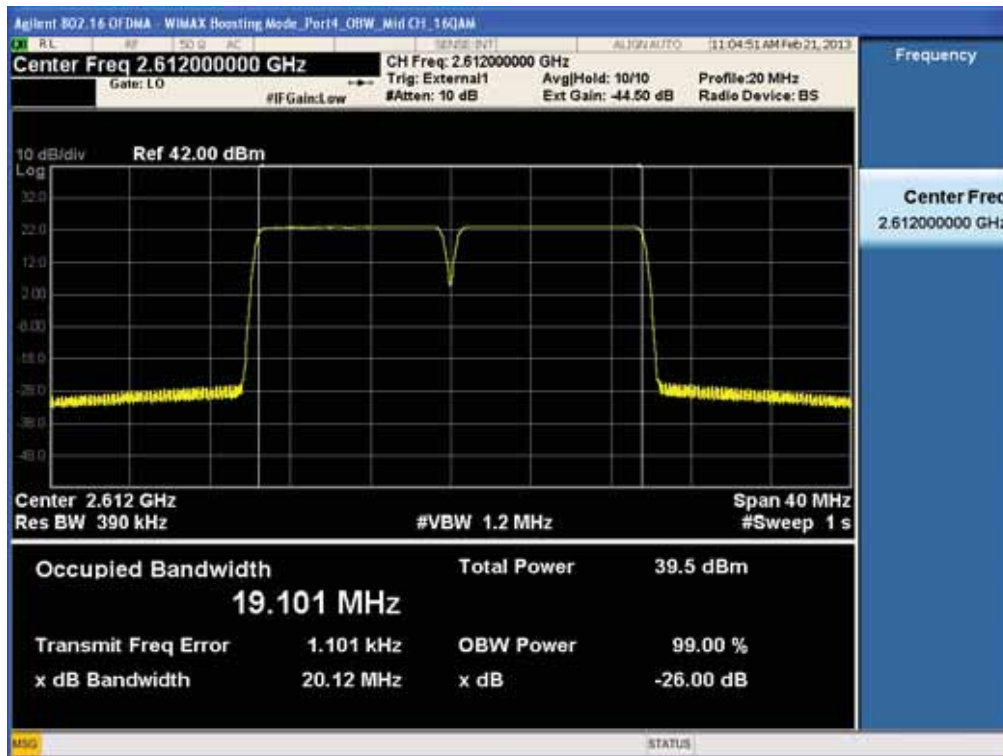


(16QAM Low Channel)

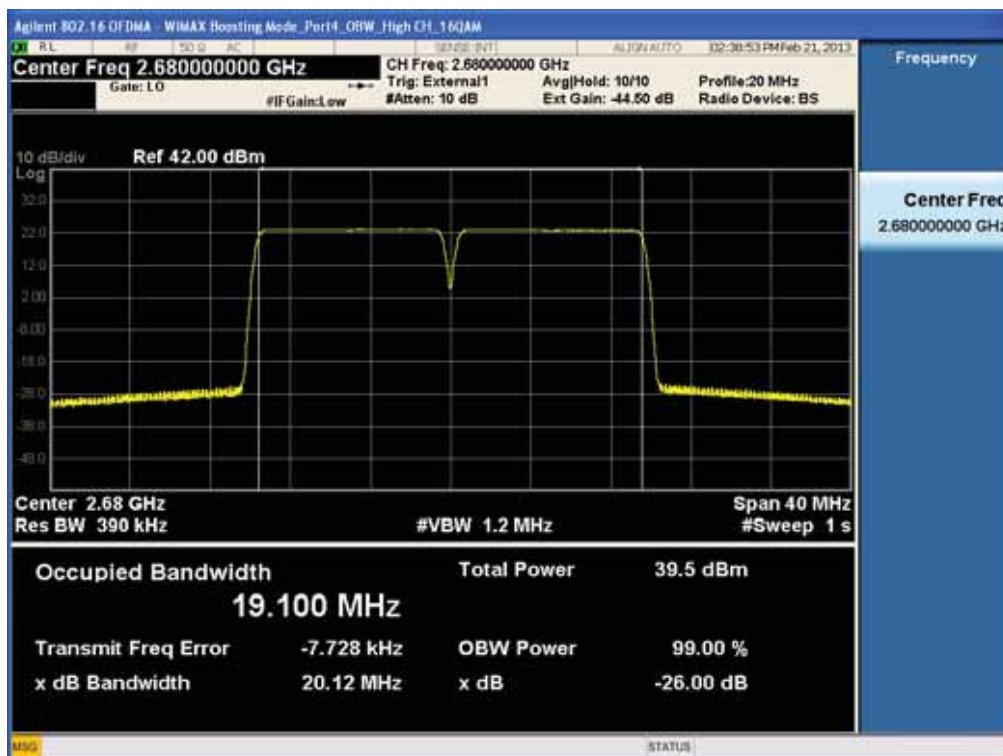


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 165 of 303

(16QAM Middle Channel)

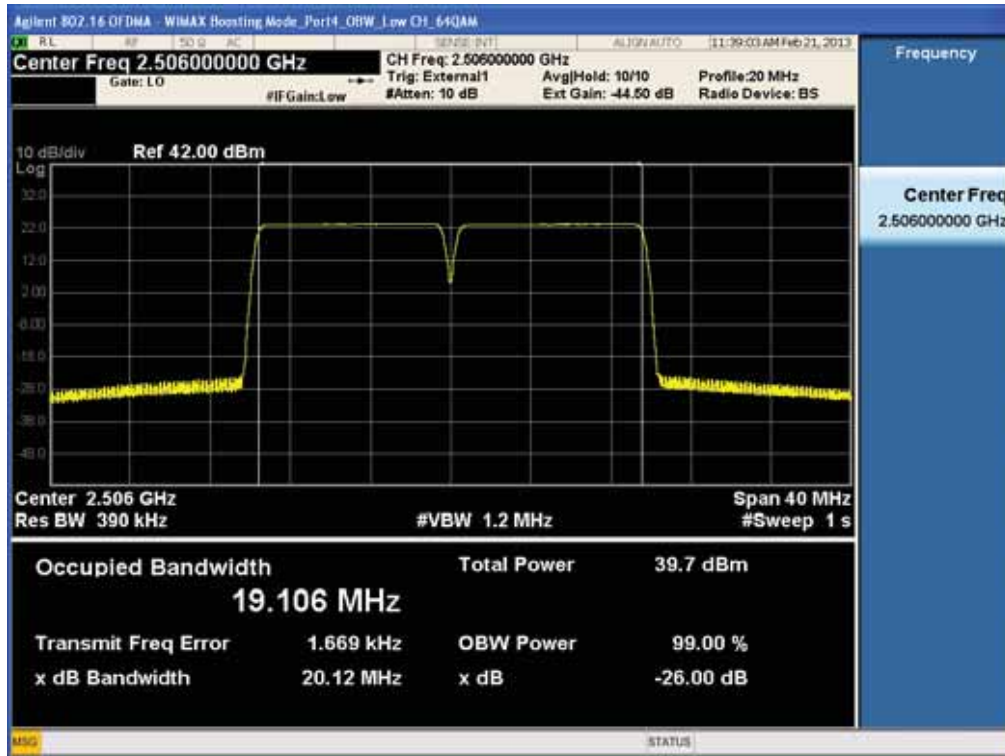


(16QAM High Channel)

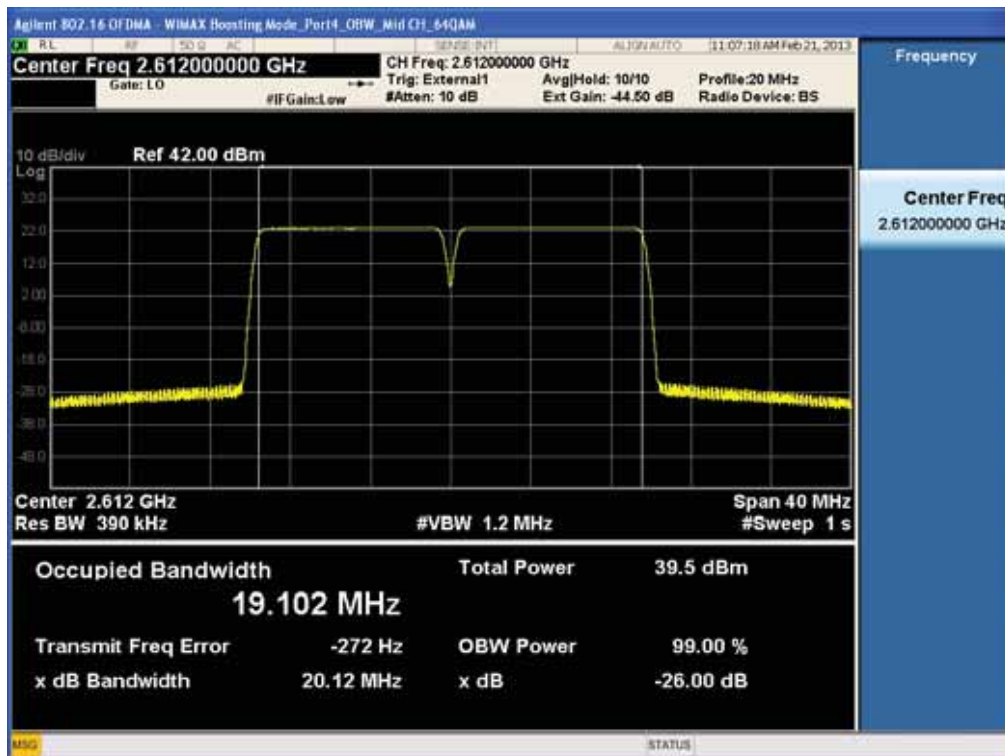


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 166 of 303

(64QAM Low Channel)

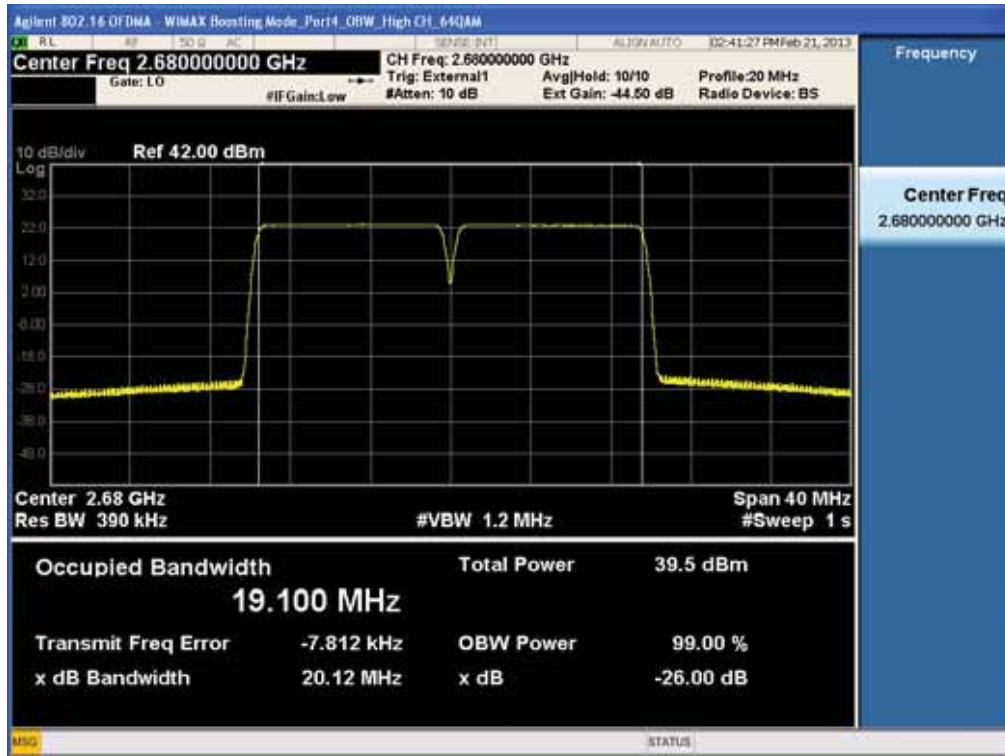


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 167 of 303

(64QAM High Channel)

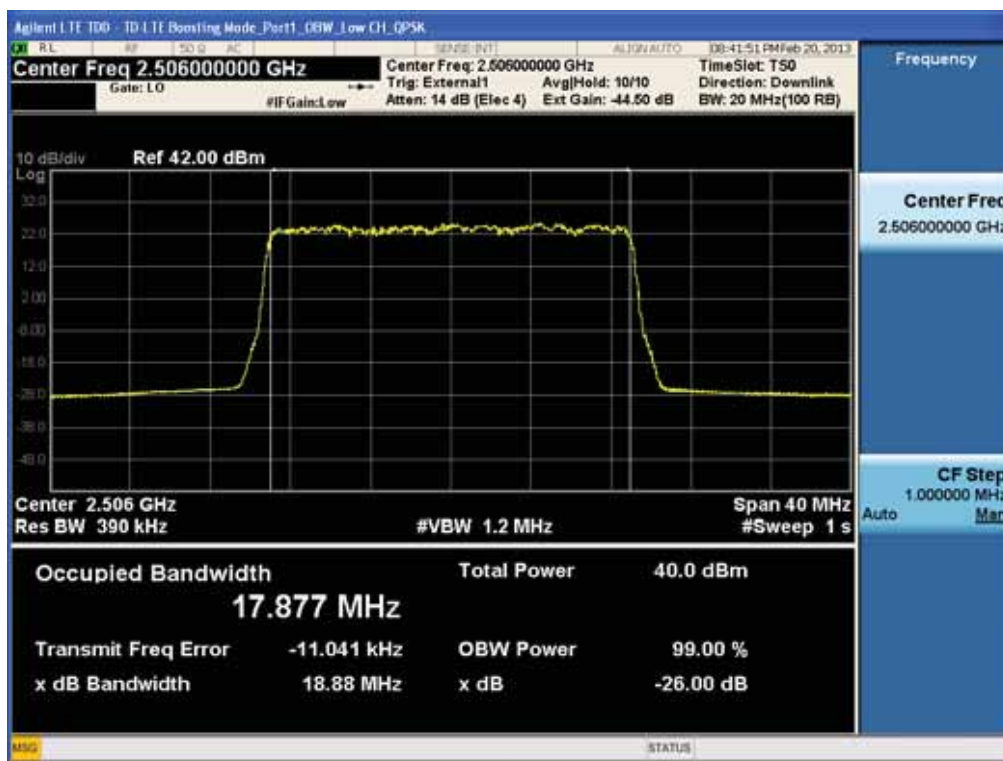


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 168 of 303

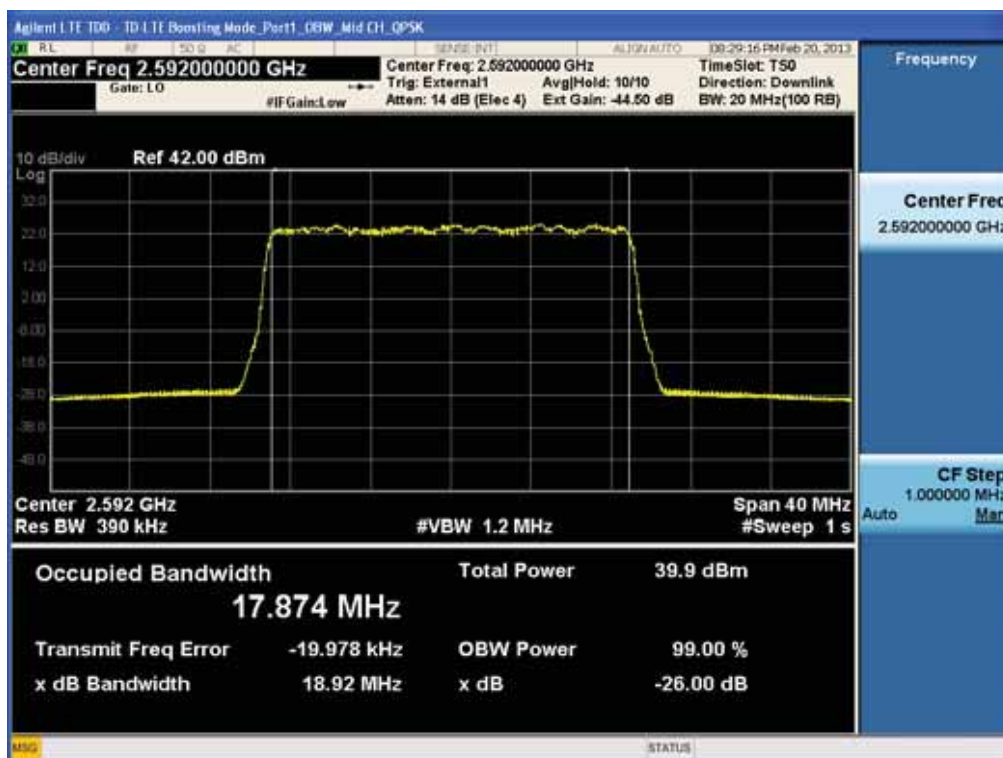
[TD-LTE Power Boosting mode]

6.4.29. Plot Data for Output Port 1 (Occupied Bandwidth)

(QPSK Low Channel)

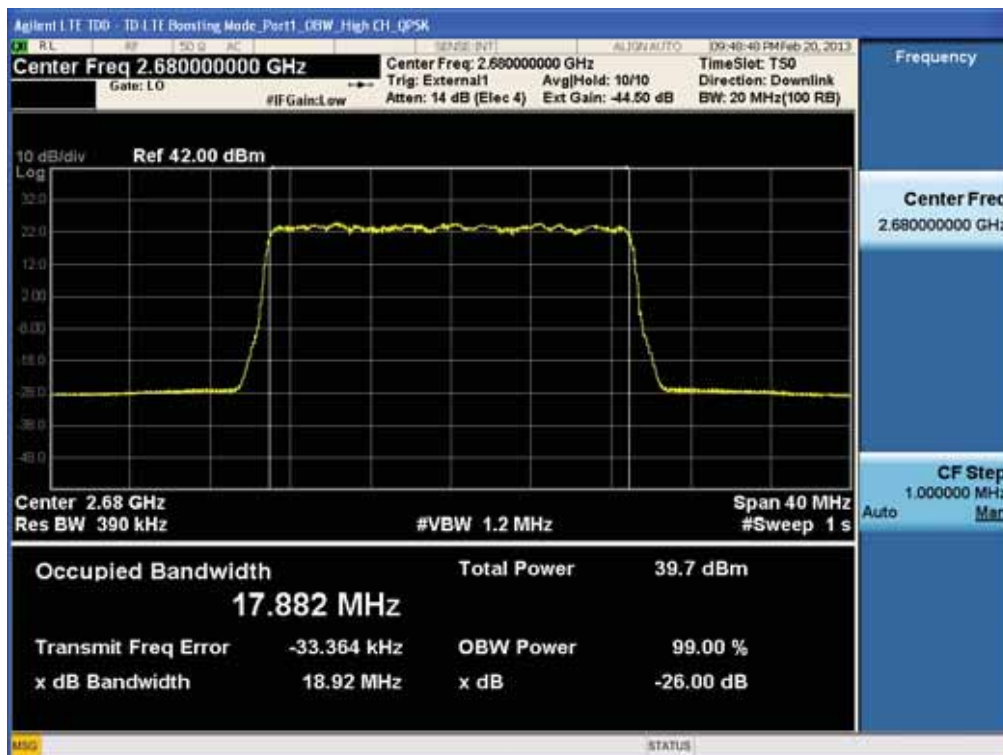


(QPSK Middle Channel)

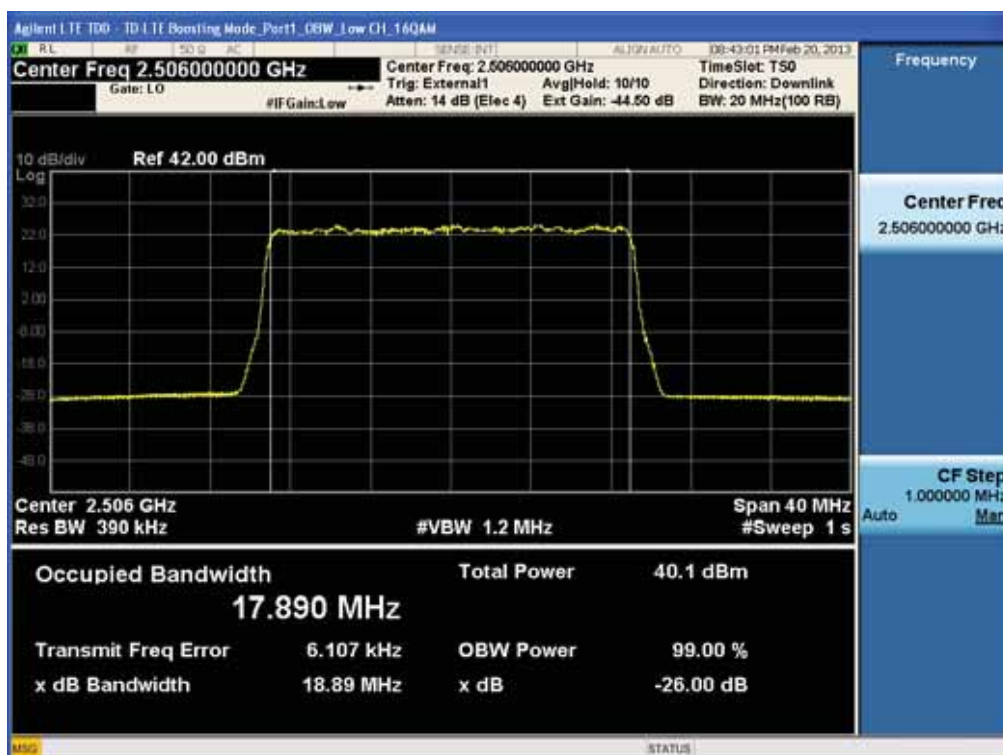


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 169 of 303

(QPSK High Channel)

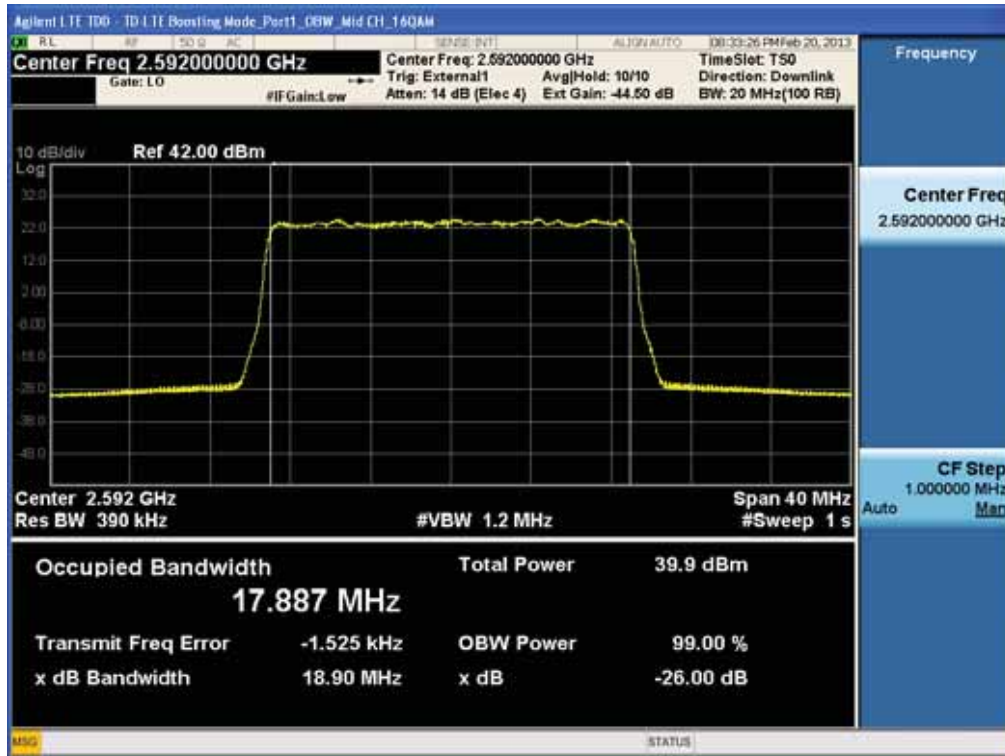


(16QAM Low Channel)

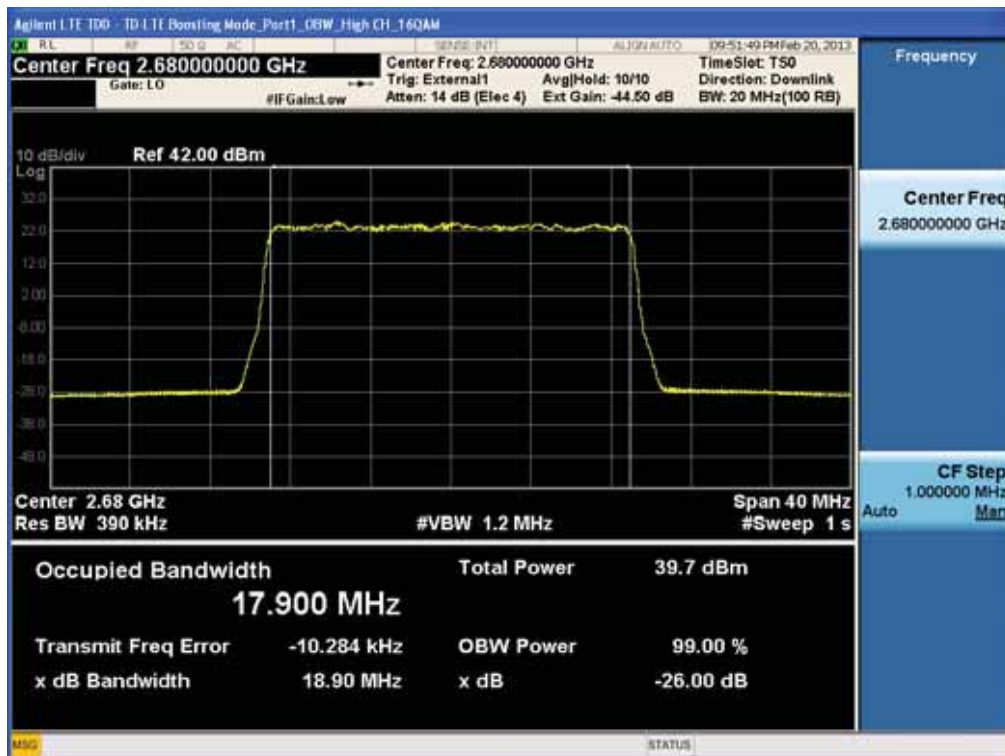


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH/Remote Radio Head)	FCC ID: A3I SL S-RD106Q	Page 170 of 303

(16QAM Middle Channel)

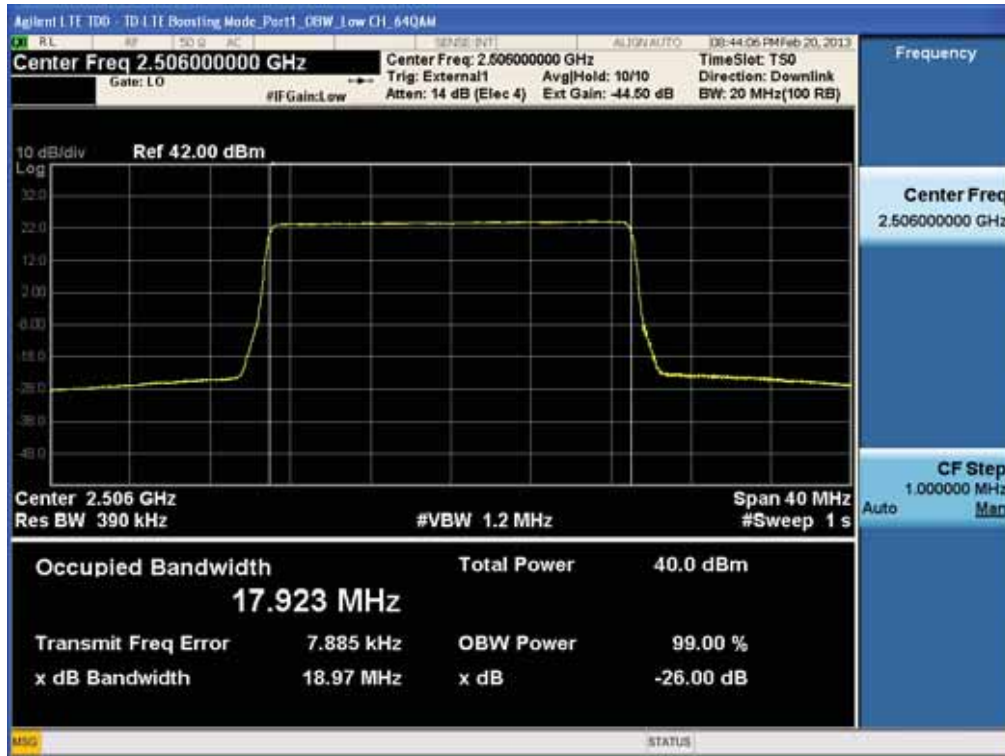


(16QAM High Channel)

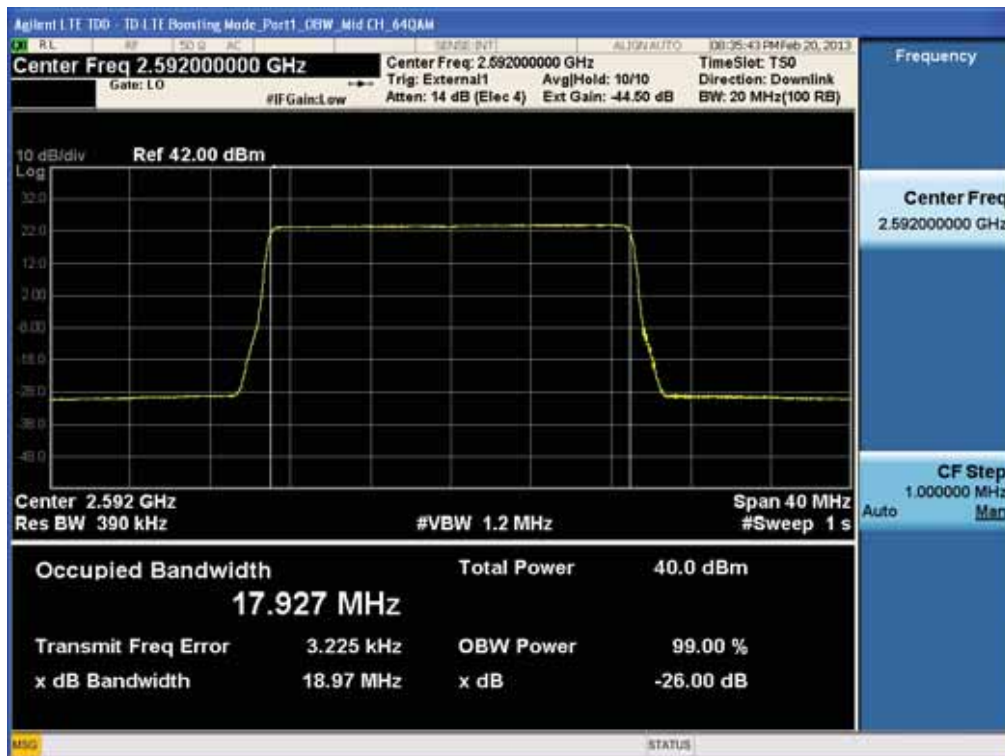


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 171 of 303

(64QAM Low Channel)

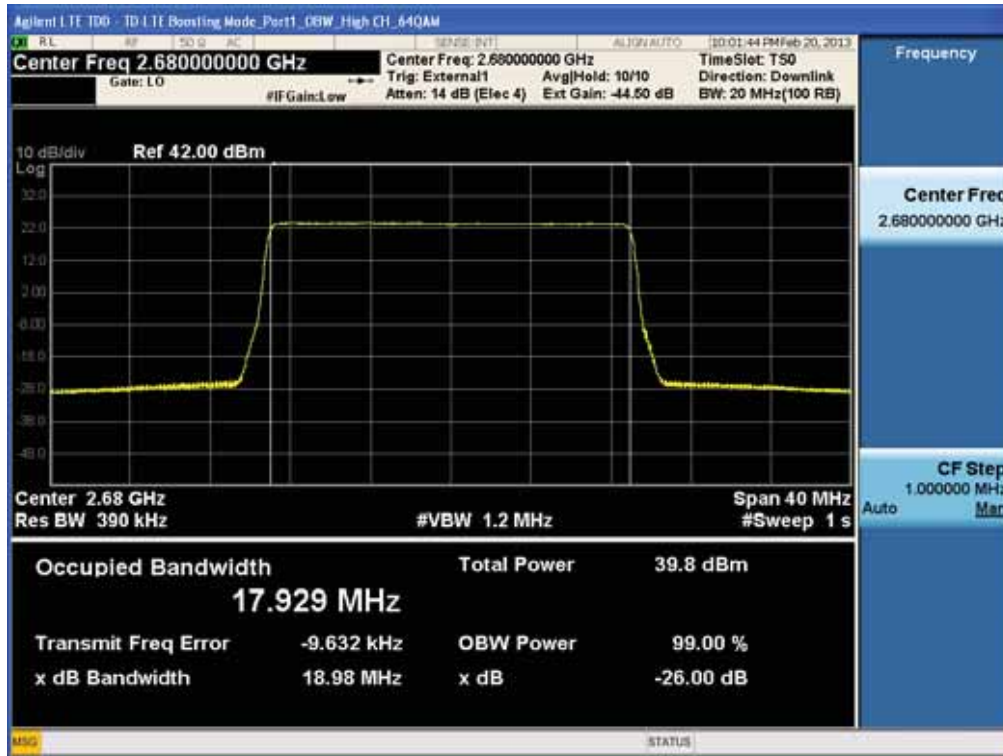


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 172 of 303

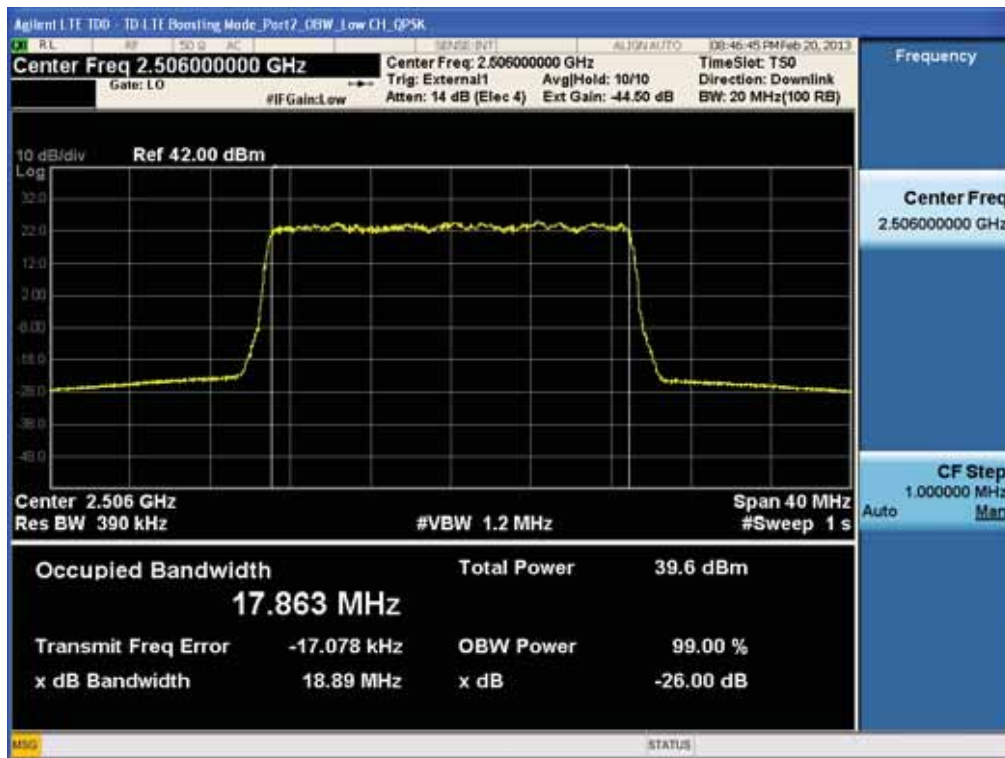
(64QAM High Channel)



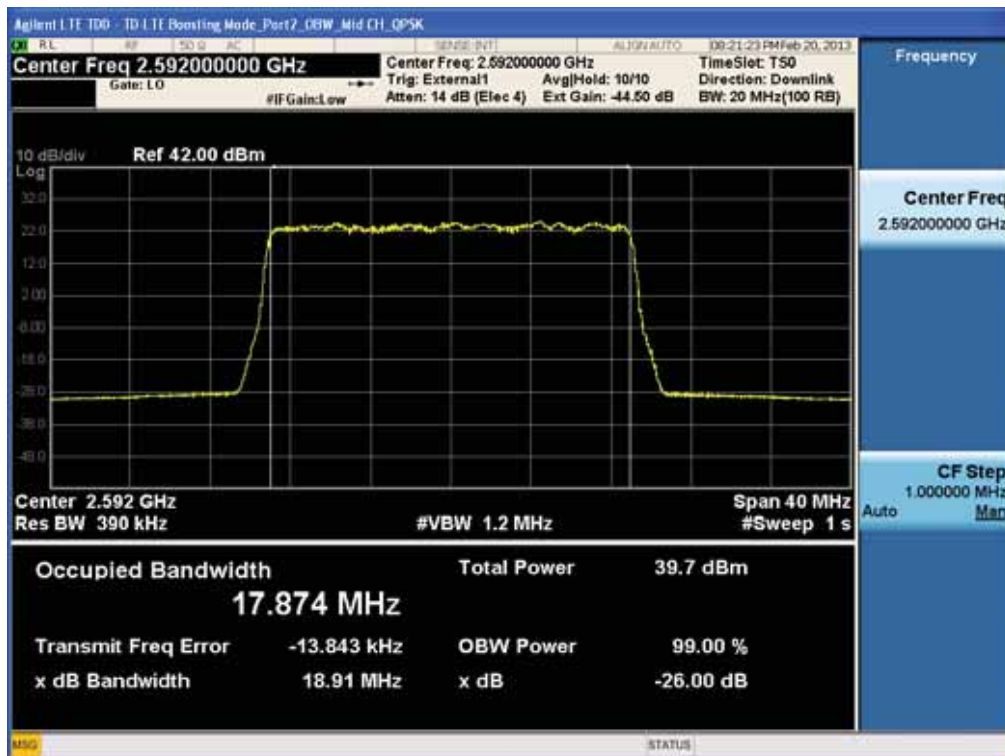
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 173 of 303

6.4.30. Plot Data for Output Port 2 (Occupied Bandwidth)

(QPSK Low Channel)

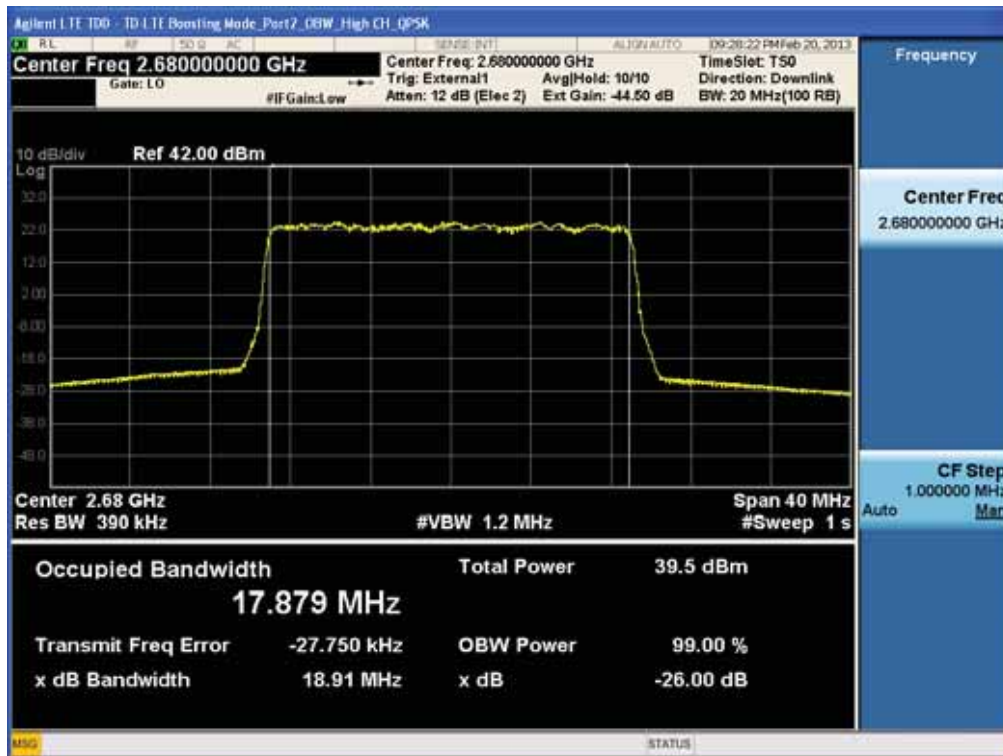


(QPSK Middle Channel)

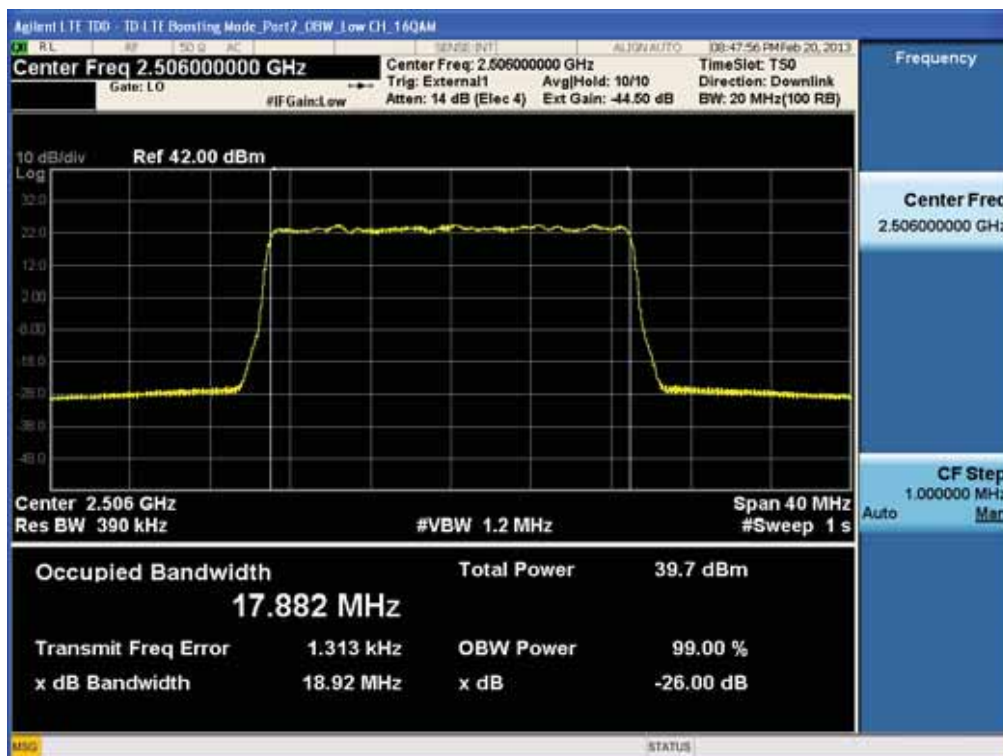


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 174 of 303

(QPSK High Channel)

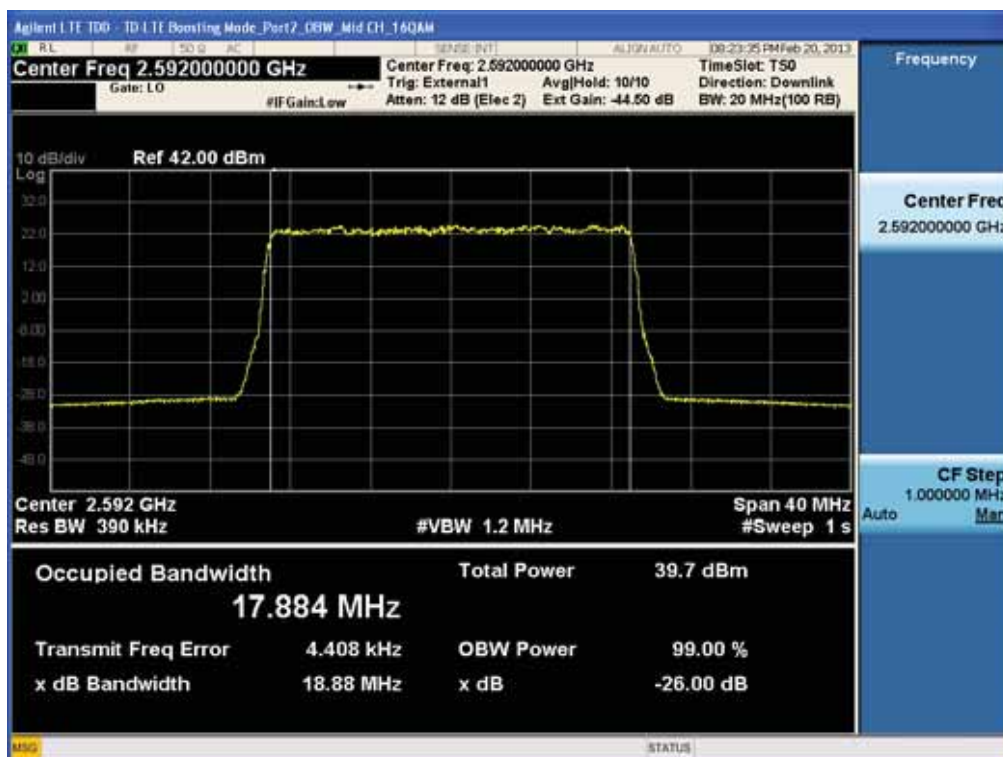


(16QAM Low Channel)

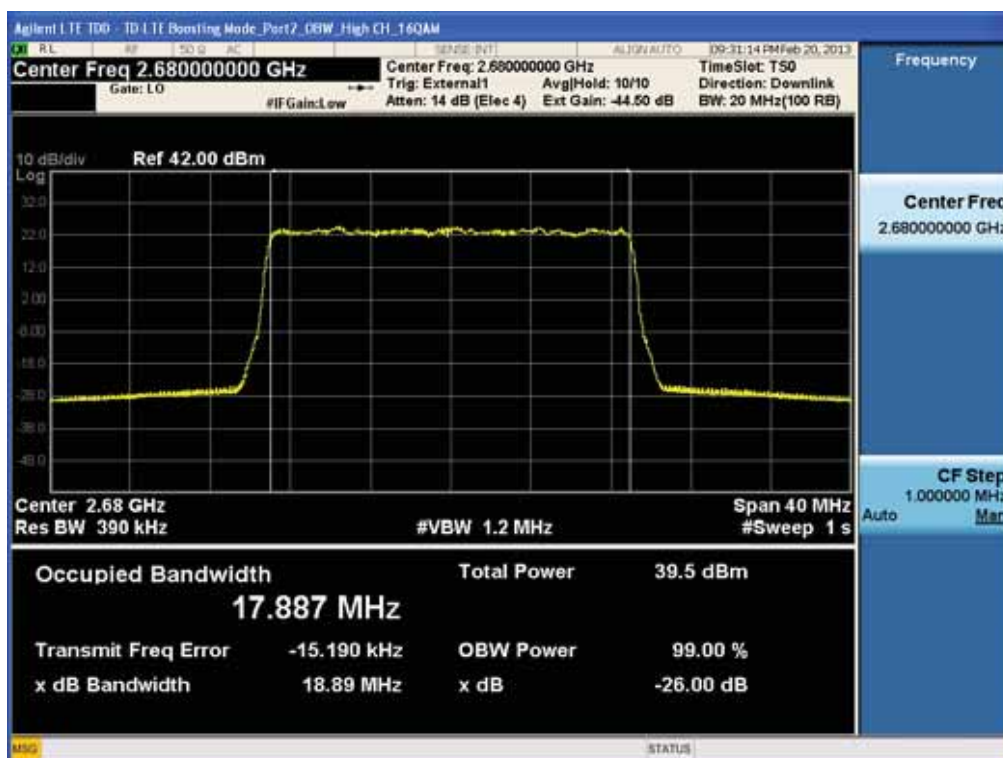


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 175 of 303

(16QAM Middle Channel)

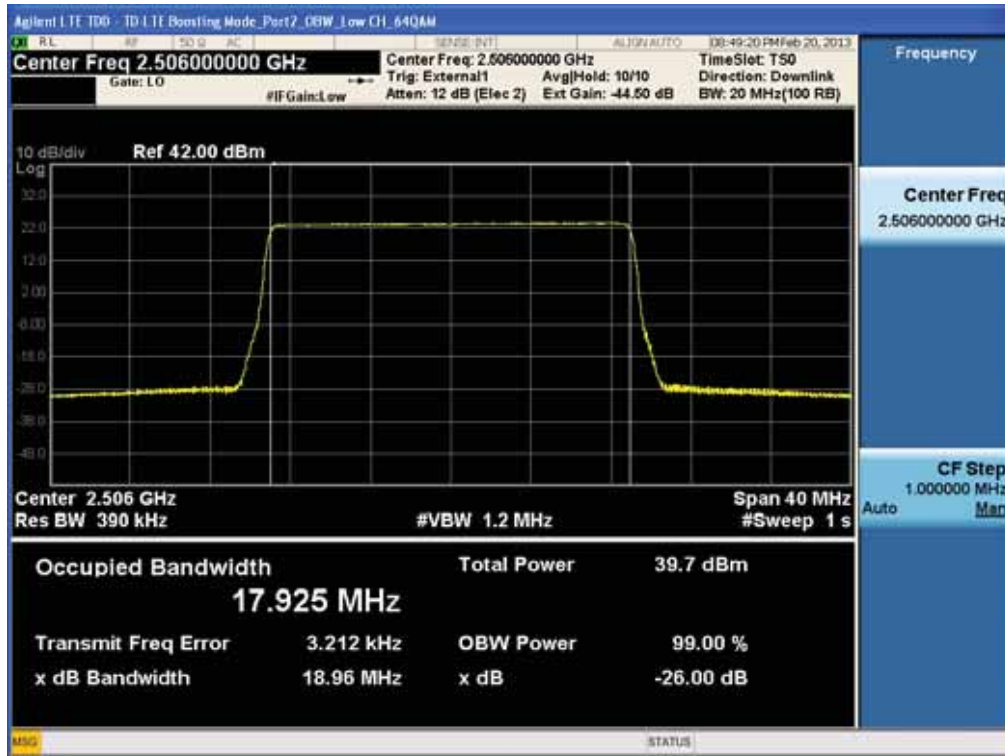


(16QAM High Channel)

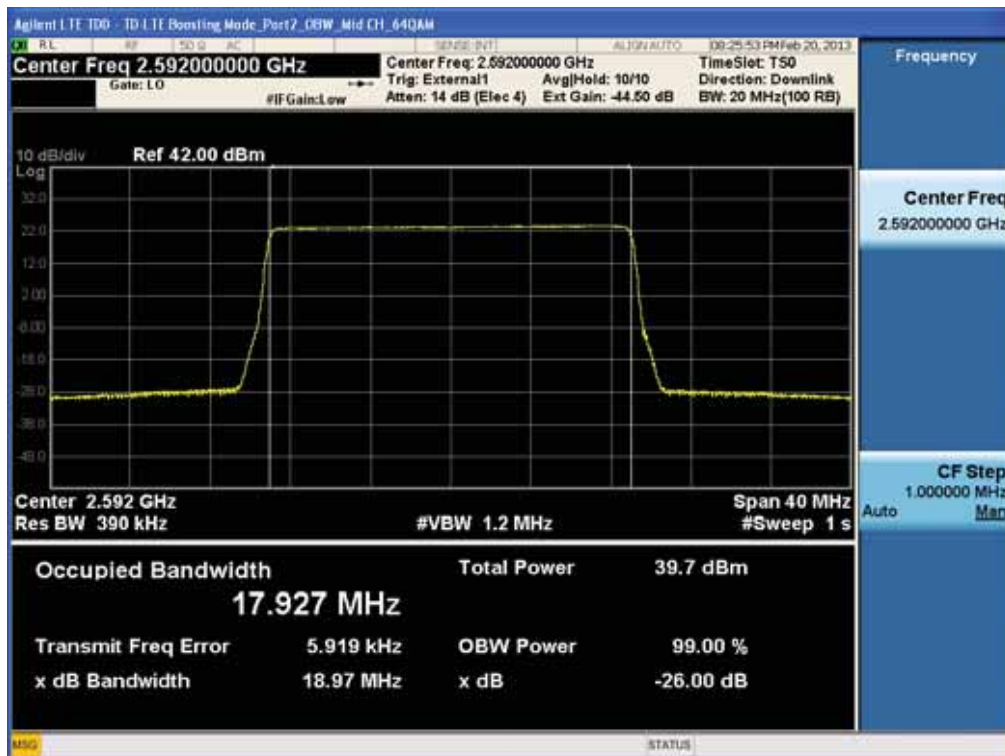


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 176 of 303

(64QAM Low Channel)

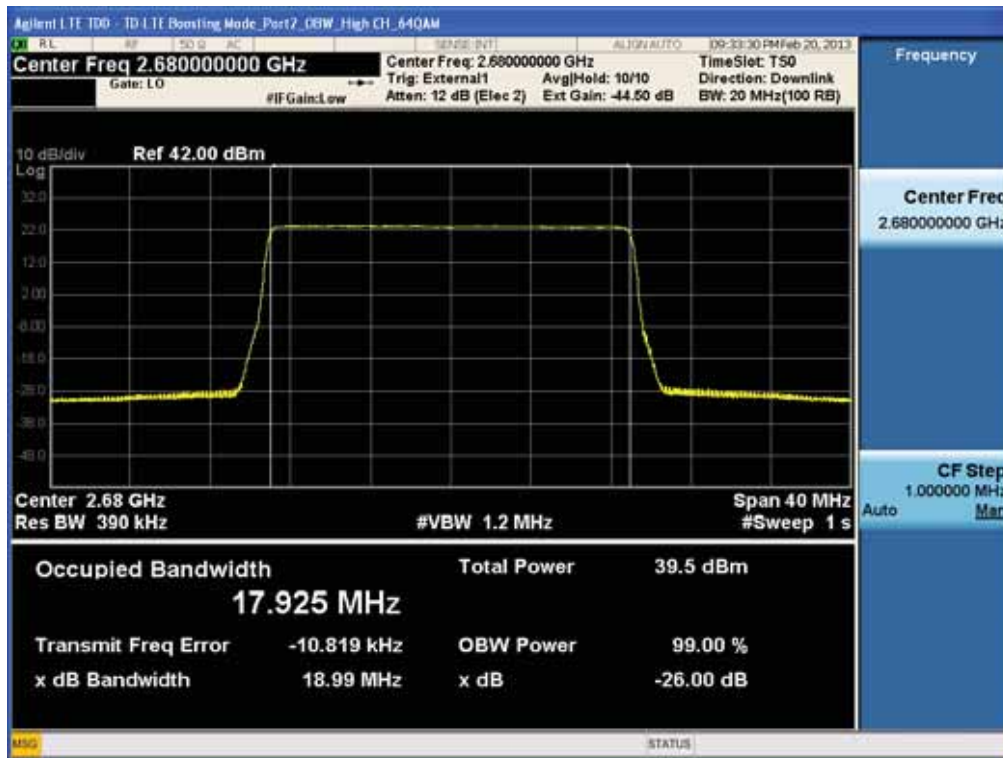


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 177 of 303

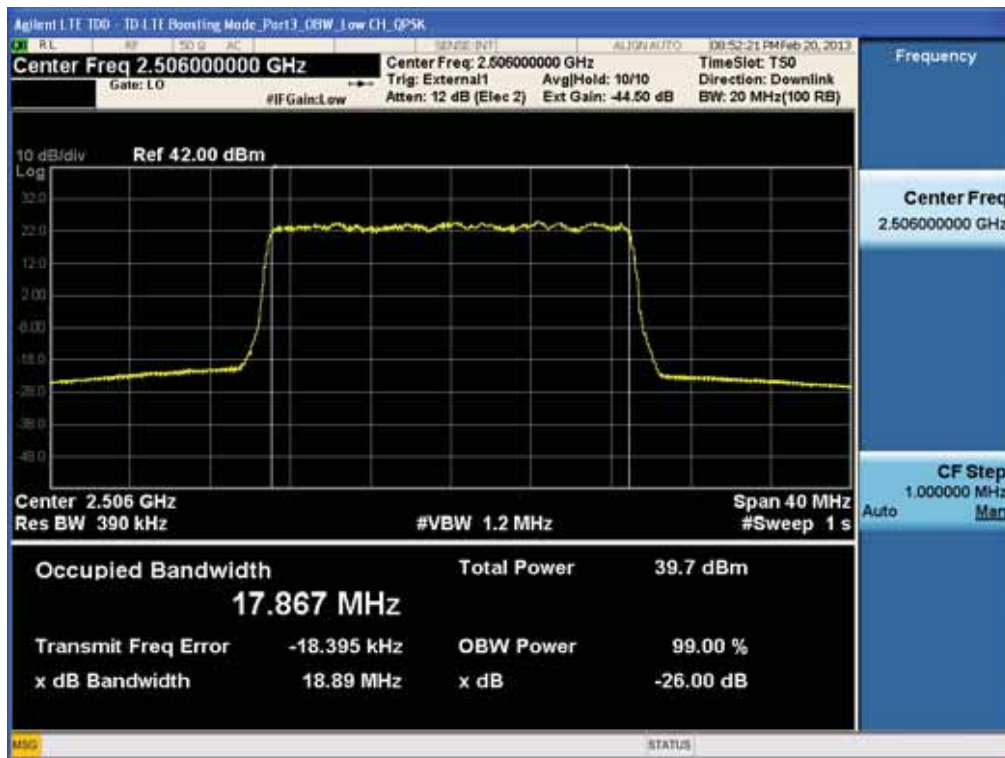
(64QAM High Channel)



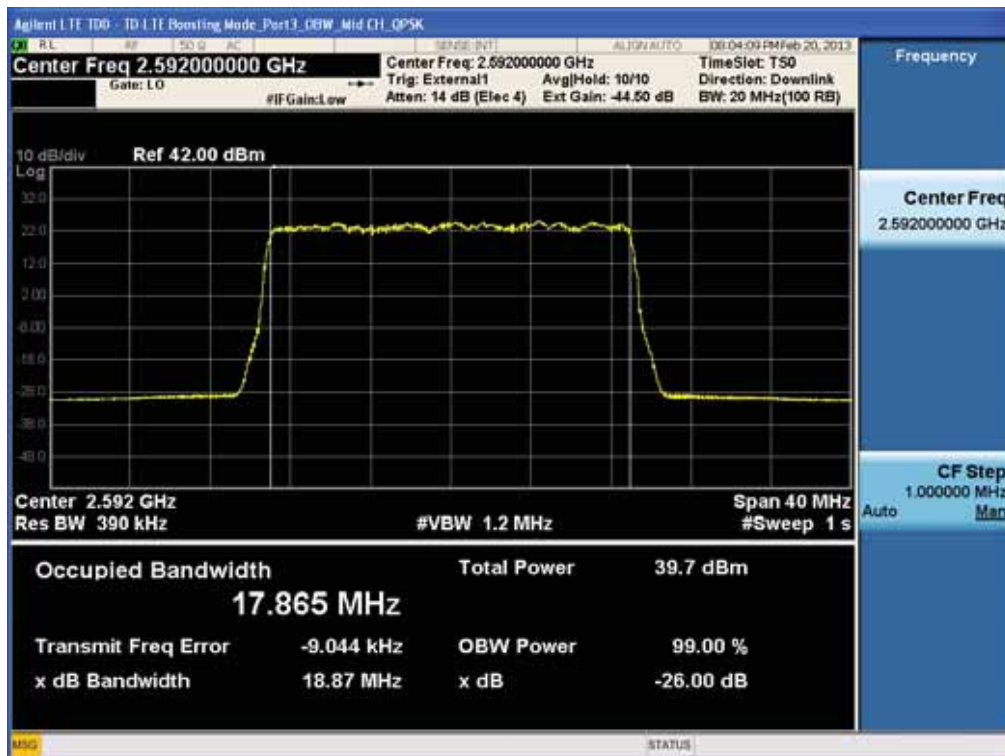
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 178 of 303

6.4.31. Plot Data for Output Port 3 (Occupied Bandwidth)

(QPSK Low Channel)

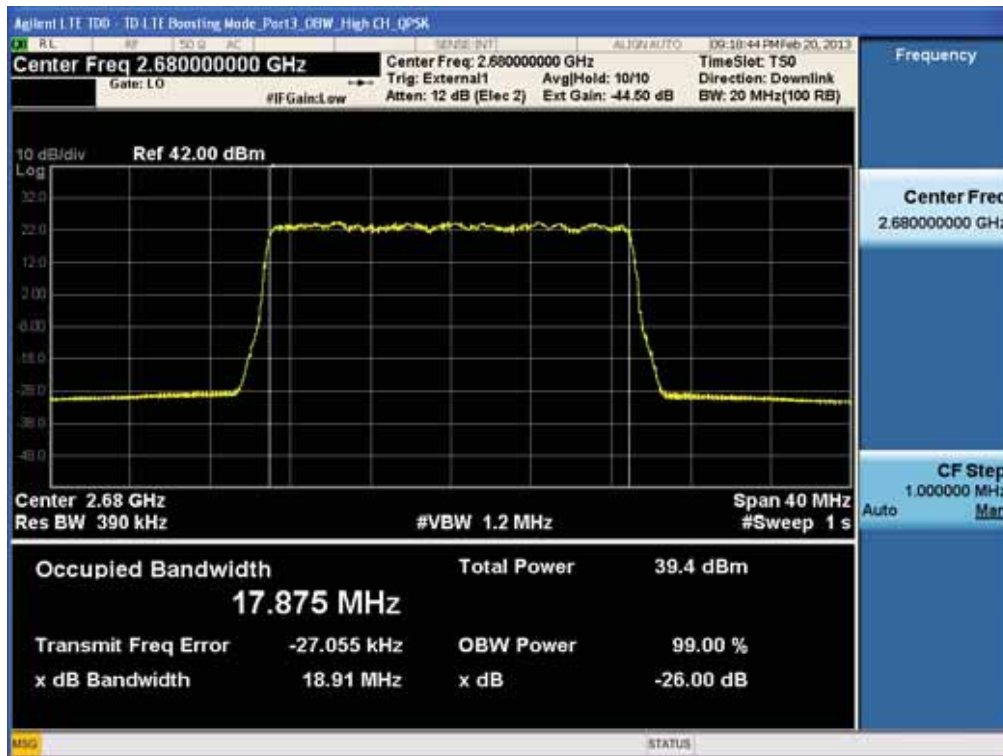


(QPSK Middle Channel)

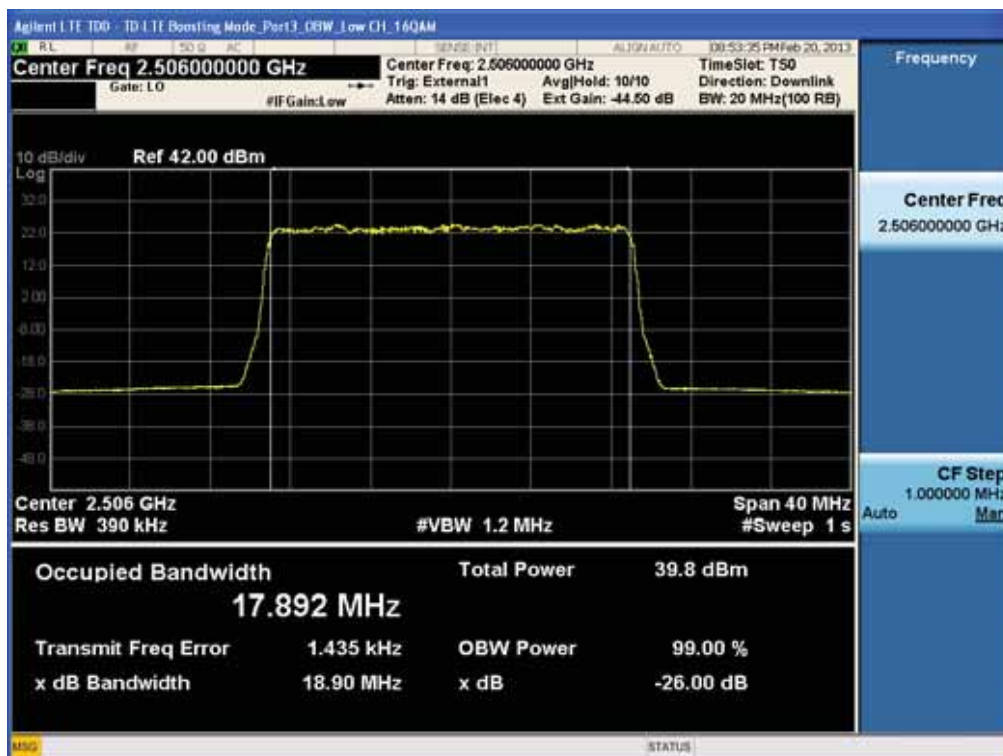


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 179 of 303

(QPSK High Channel)

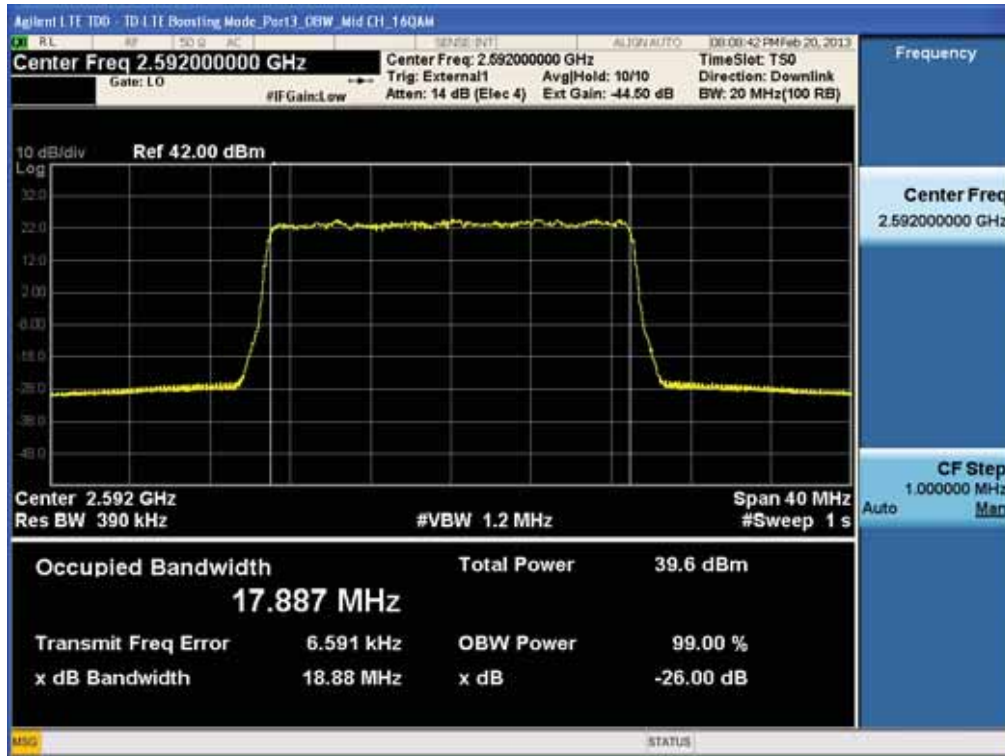


(16QAM Low Channel)

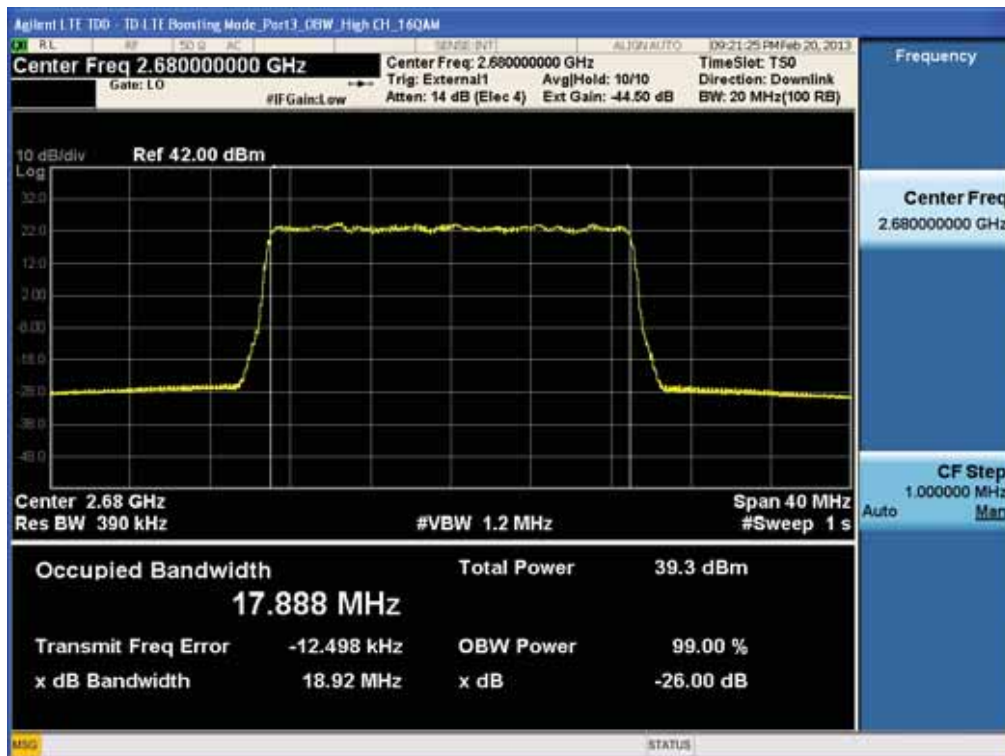


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 180 of 303

(16QAM Middle Channel)

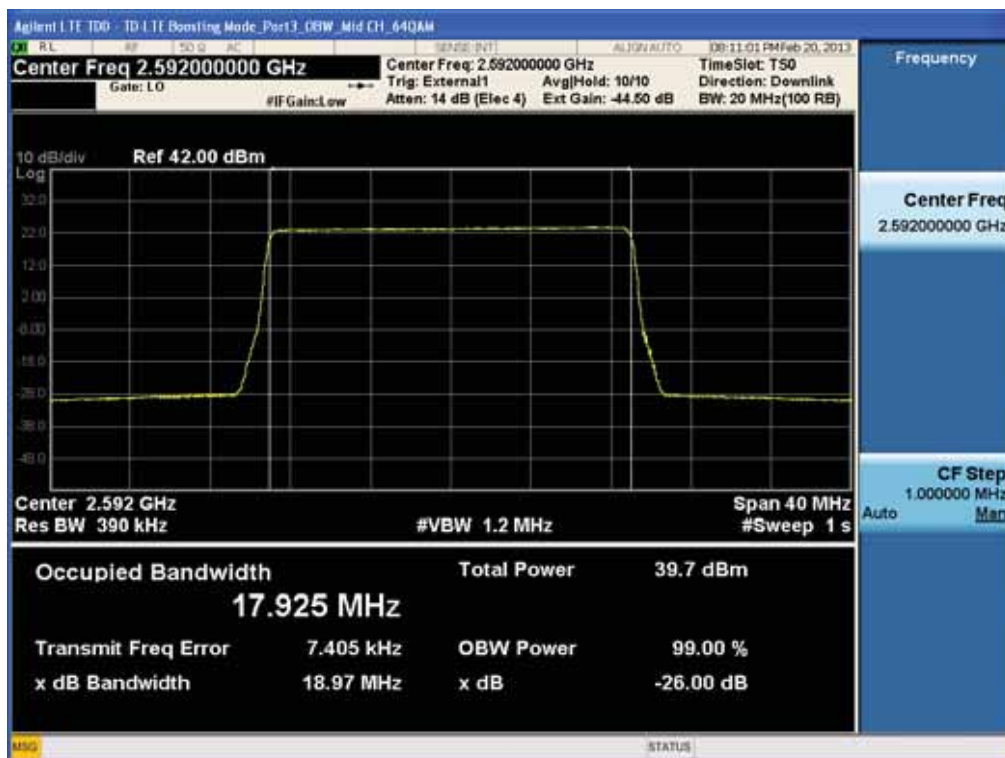


(16QAM High Channel)



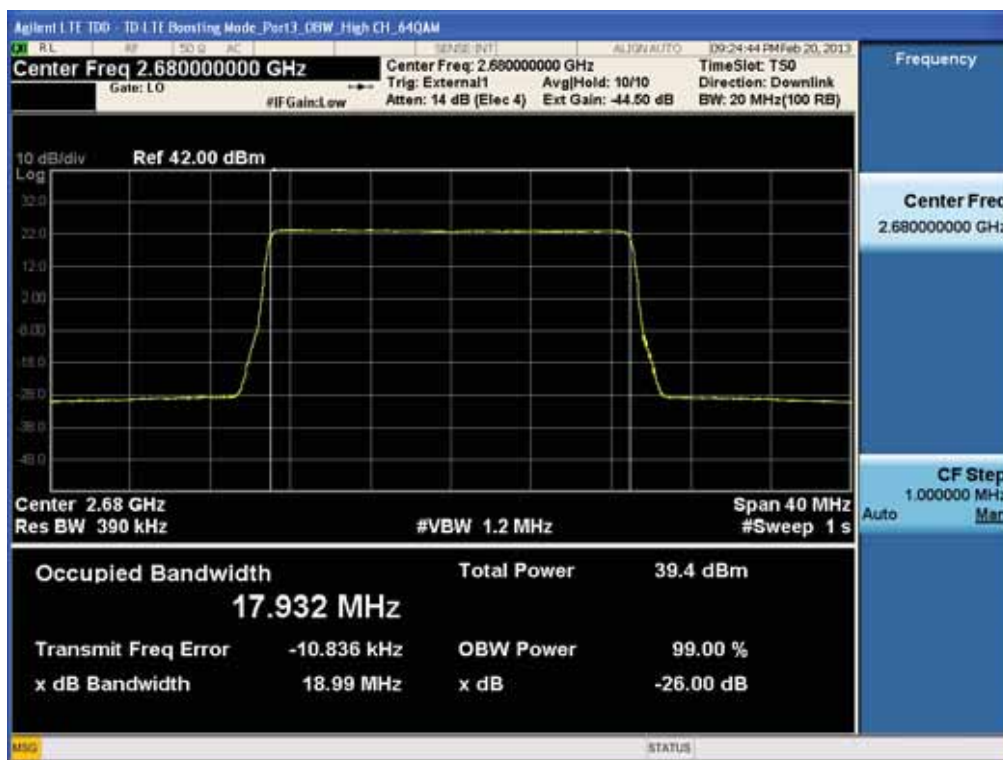
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 181 of 303

(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH/Remote Radio Head)	FCC ID: A31 SI S-RD106Q	Page 182 of 303

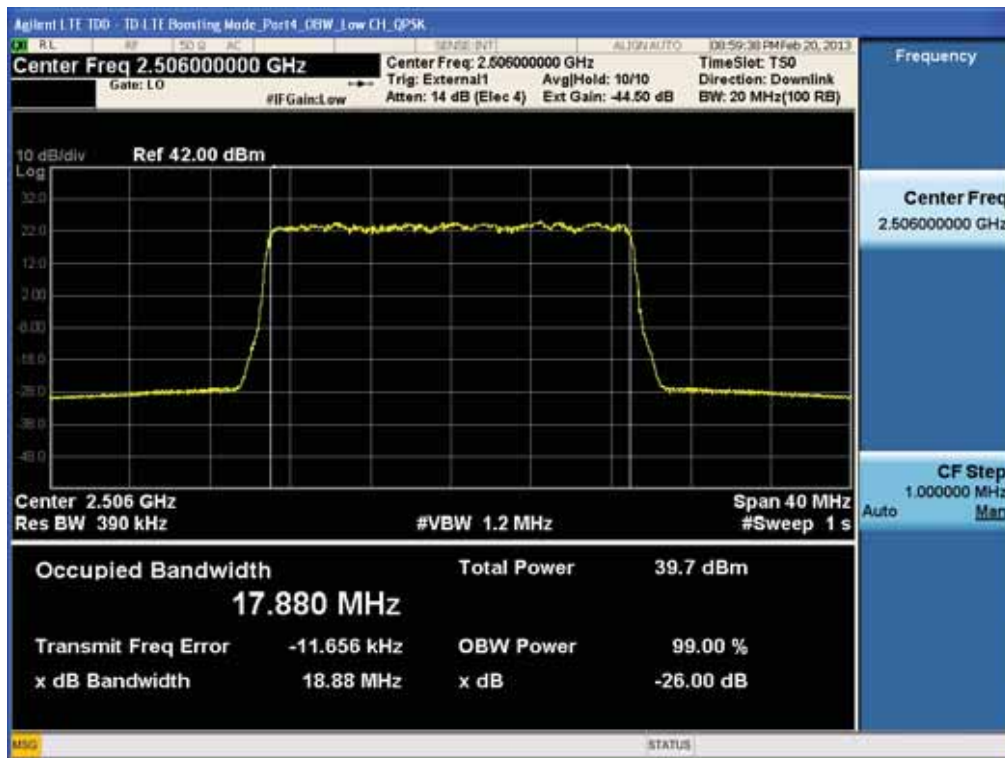
(64QAM High Channel)



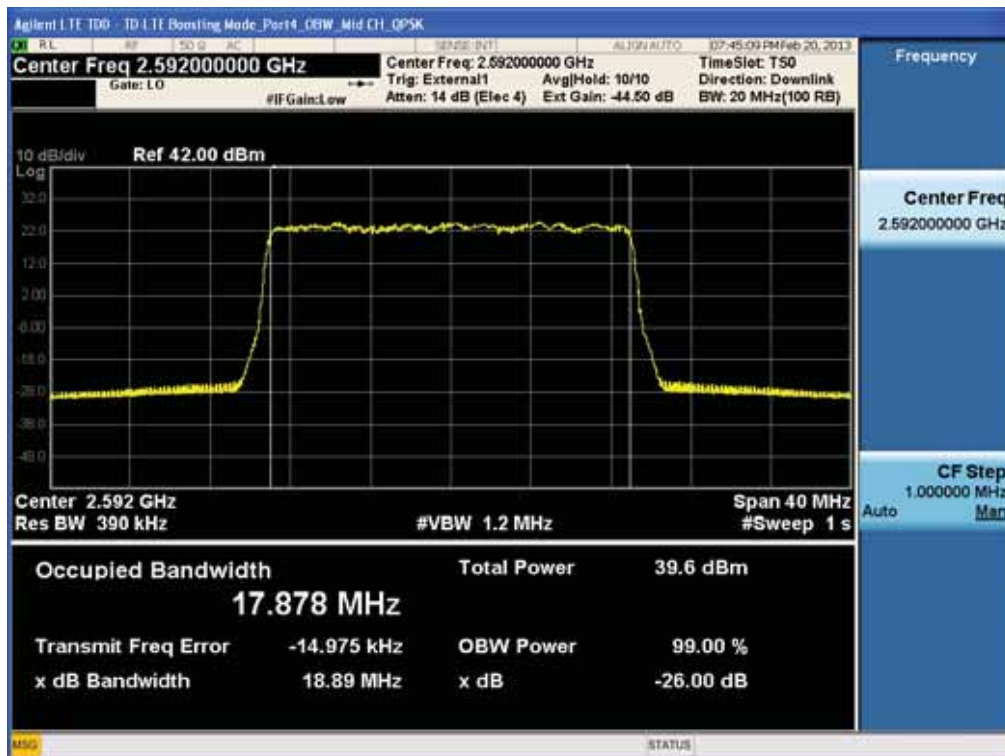
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 183 of 303

5.4.32. Plot Data for Output Port 4 (Occupied Bandwidth)

(QPSK Low Channel)

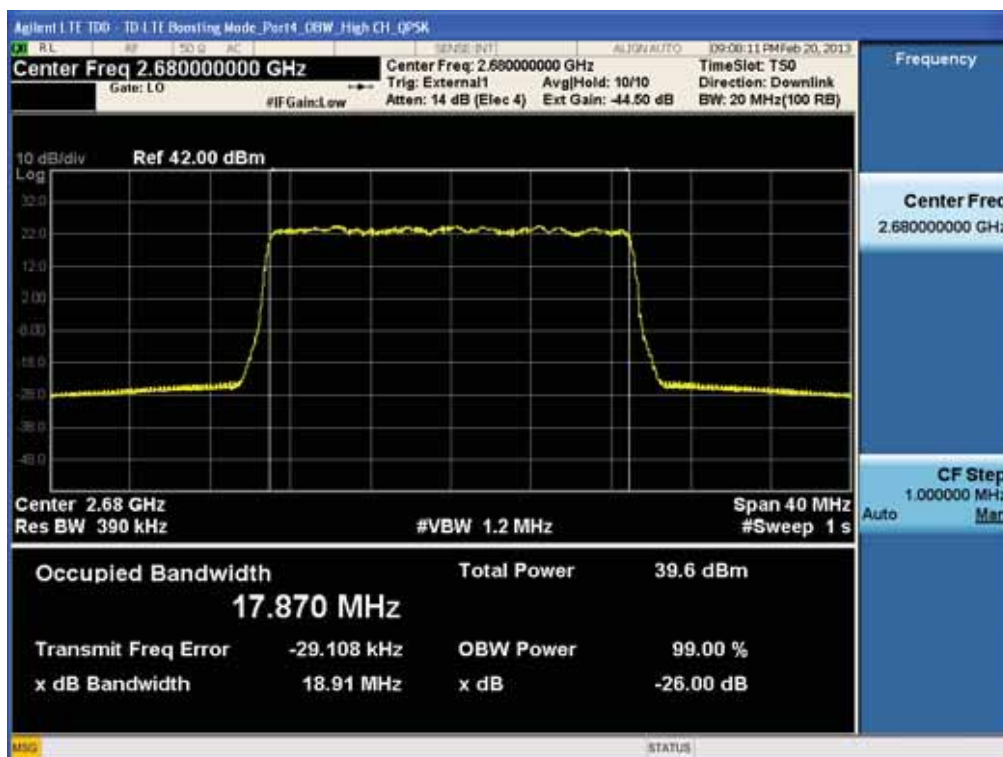


(QPSK Middle Channel)

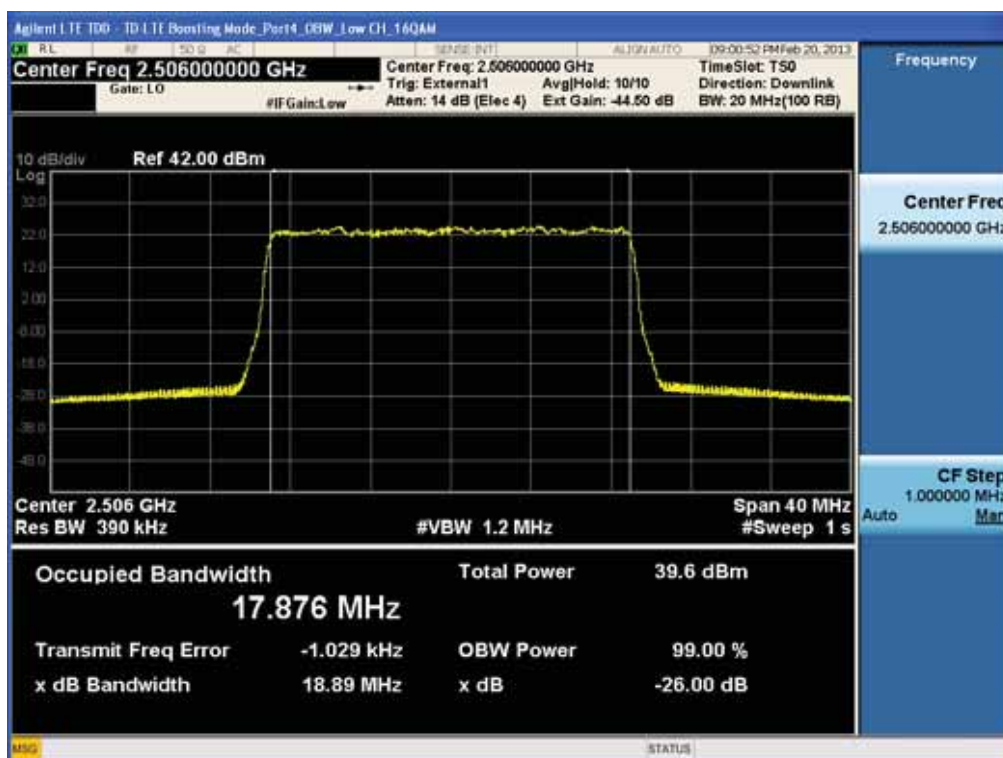


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 184 of 303

(QPSK High Channel)

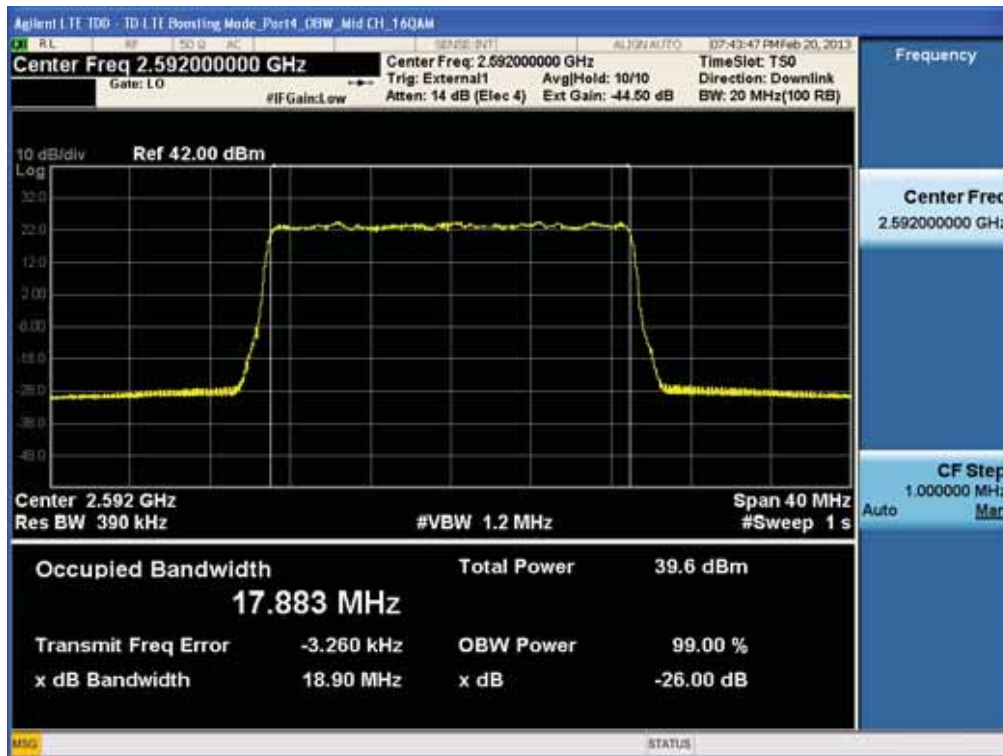


(16QAM Low Channel)

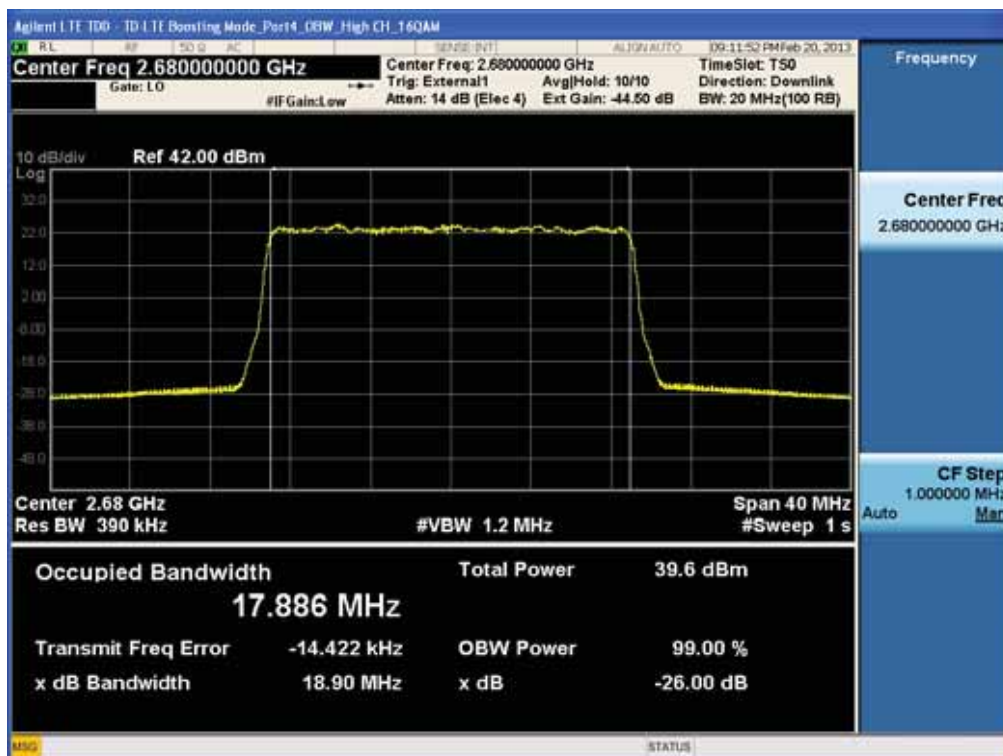


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302ER26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3I SI S-RD106Q	Page 185 of 303

(16QAM Middle Channel)

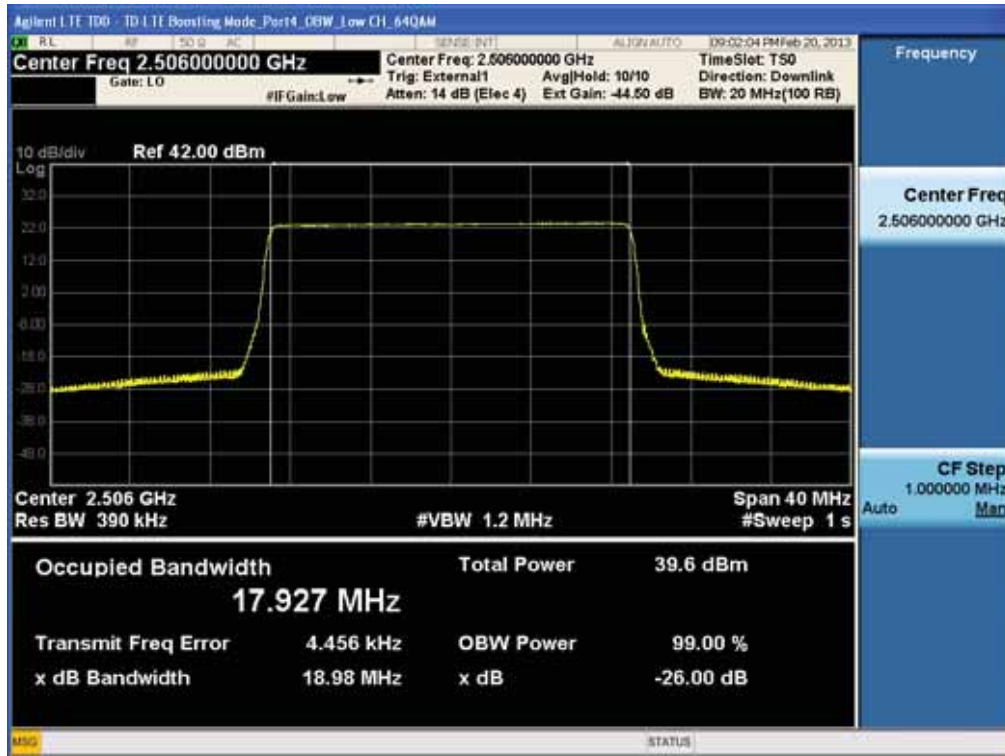


(16QAM High Channel)

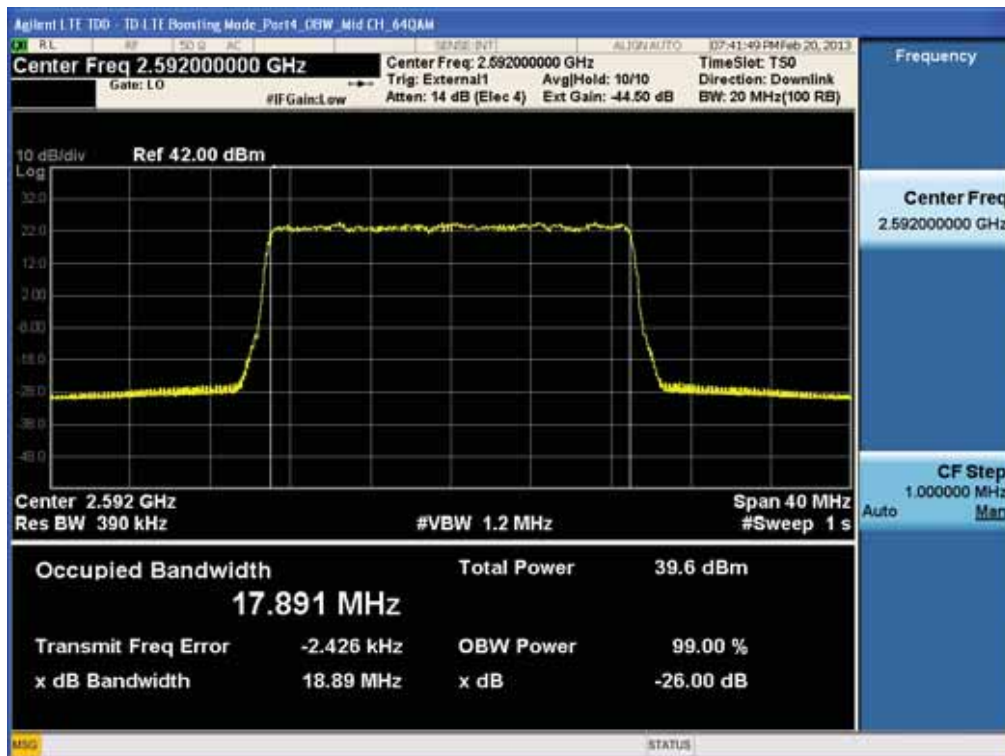


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 186 of 303

(64QAM Low Channel)

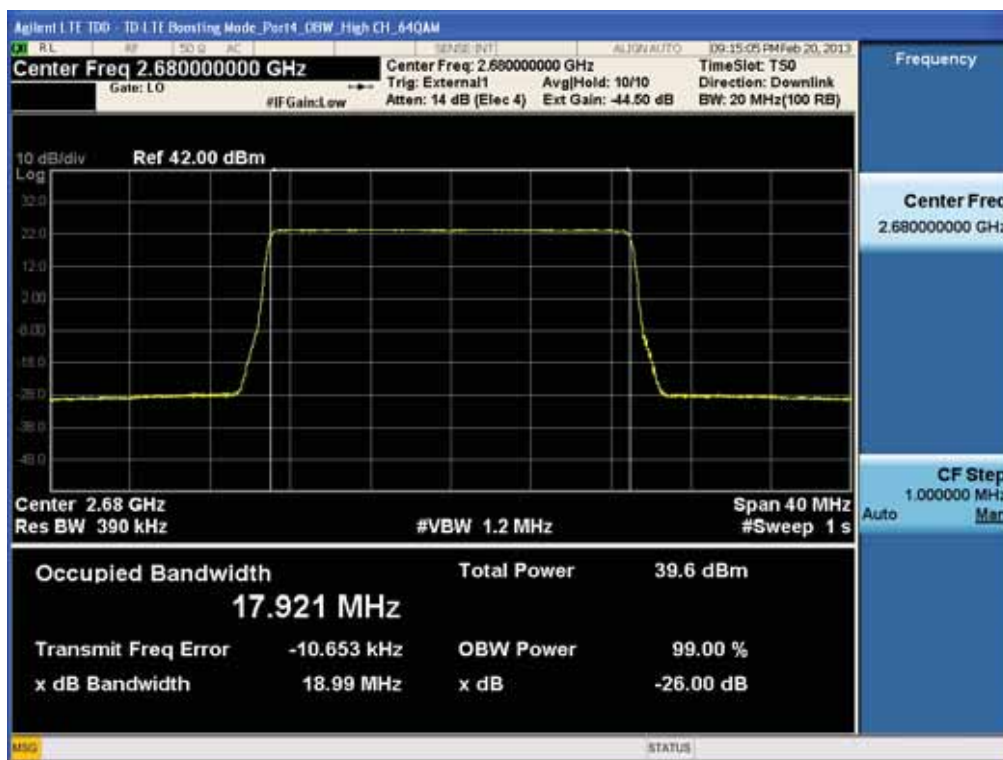


(64QAM Middle Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 187 of 303

(64QAM High Channel)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 188 of 303

7. SPURIOUS EMISSION AT ANTENNA TERMINAL

7.1. Applicable Standard

CFR 47§2.1051, §27.53

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in §2.1051

§27.53(m) For BRS and EBS stations, the power of any emissions outside the licensee's frequency bands of operation shall be attenuated below the transmitter power (P) measured in watts in accordance with the standards below. If a licensee has multiple contiguous channels, out-of-band emissions shall be measured from the upper and lower edges of the contiguous channels.

(2) For digital base stations, the attenuation shall be not less than $43 + 10 \log (P)$ dB, unless a documented interference complaint is received from an adjacent channel licensee with an overlapping Geographic Service Area. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS No. 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Provided that a documented interference complaint cannot be mutually resolved between the parties prior to the applicable deadline, then the following additional attenuation requirements shall apply:

7.2. Test Equipment List and Details

Manufacturer	Model / Equipment	Serial No.	Calibration Due
Agilent	N9020A /Signal Analyzer	US46220219	05/02/2013
Agilent	6674A / DC Power Supply	3501A00901	05/02/2013
WEINSCHEL	67-30-33 / Attenuator	BU5347	11/07/2013
WEINSCHEL	67-30-33 / Attenuator	BR0530	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	11787	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	5701	11/07/2013

7.3. Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 189 of 303

7.4. Test Result

: Pass

※ Spurious emission at antenna terminal has been performed for all test cases.

The results were written for 'WiMax only_4FA' and 'WiMax_2FA + TD-LTE Power Boosting mode' because they are worst case.

[WiMax only_4FA]

7.4.1. Test Data at Output Port 1

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-41.627	-41.944	-41.760
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-41.695	-41.214	-41.266
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-41.546	-41.183	-41.217

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-24.322	-24.515	-24.448
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-24.229	-24.312	-24.319
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-25.034	-24.848	-25.029

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-25.480	-25.936	-25.979
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-22.945	-23.282	-23.642

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 190 of 303

7.4.2. Test Data at Output Port 2

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-41.517	-41.435	-41.100
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-41.800	-47.270	-40.453
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-41.794	-41.747	-41.479

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-24.335	-24.580	-24.222
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-24.377	-24.107	-24.225
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-24.757	-24.872	-24.408

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-22.748	-21.628	-23.952
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-20.471	-21.499	-21.777

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 191 of 303

7.4.3. Test Data at Output Port 3

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-41.526	-41.444	-41.438
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-40.949	-41.084	-41.344
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-40.583	-41.052	-41.725

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-24.929	-24.924	-24.844
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-24.597	-25.116	-24.638
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-24.860	-24.819	-24.951

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-25.130	-25.771	-25.898
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-22.682	-24.083	-23.807

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 192 of 303

7.4.4. Test Data at Output Port 4

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-40.827	-41.497	-41.563
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-40.918	-41.638	-41.295
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-41.398	-40.322	-41.365

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-24.797	-24.846	-24.608
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-25.091	-24.785	-24.935
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-24.740	-25.004	-24.897

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-21.978	-24.298	-24.338
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-23.865	-23.690	-23.128

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 193 of 303

7.4.5. Measure and sum data (4 ports)

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-35.342	-35.554	-35.438
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-35.301	-36.182	-35.053
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-35.285	-35.025	-35.422

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-18.567	-18.692	-18.504
2635.5 (2620.5 & 2630.5 & 2640.5 & 2650.5)	-18.541	-18.542	-18.500
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-18.826	-18.865	-18.794

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2523.5 (2508.5 & 2518.5 & 2528.5 & 2538.5)	-17.556	-18.017	-18.927
2668.5 (2653.5 & 2663.5 & 2673.5 & 2683.5)	-16.281	-16.999	-16.991

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 194 of 303

[WiMax_2FA + TD-LTE Power Boosting mode]

7.4.6. Test Data at Output Port 1

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-41.774	-41.999	-41.755
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-41.762	-41.582	-41.541
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-41.945	-41.519	-41.596

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-24.778	-24.780	-24.239
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-24.444	-24.275	-24.195
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-24.535	-24.570	-24.443

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-20.797	-20.225	-19.877
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-19.439	-21.189	-20.221

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 195 of 303

7.4.7. Test Data at Output Port 2

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-41.712	-41.943	-41.913
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-41.853	-41.696	-41.377
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-41.660	-41.752	-41.422

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-24.587	-24.393	-24.481
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-24.411	-23.497	-24.478
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-23.821	-24.481	-23.934

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-19.477	-20.831	-19.201
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-19.861	-19.906	-20.376

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 196 of 303

7.4.8. Test Data at Output Port 3

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-41.969	-40.871	-41.473
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-41.686	-40.712	-40.549
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-41.922	-41.635	-41.926

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-24.627	-24.627	-24.482
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-24.545	-24.639	-24.398
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-24.391	-24.397	-24.377

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-20.285	-20.702	-19.479
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-21.074	-20.702	-20.755

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 197 of 303

7.4.9. Test Data at Output Port 4

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-41.034	-41.419	-41.236
2592.0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-41.573	-41.458	-41.385
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-41.563	-41.818	-41.594

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-25.441	-24.672	-24.542
2592.0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-24.309	-22.905	-24.479
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-23.648	-24.837	-24.352

Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-20.223	-19.632	-19.022
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-20.479	-20.482	-21.274

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 198 of 303

7.4.10. Measure and sum data (4 ports)

30 MHz ~ 1 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-35.587	-35.513	-35.566
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-35.697	-35.324	-35.174
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-35.749	-35.659	-35.610

1 GHz ~ 26.5 GHz

Frequency (MHz)	Spurious emission (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-18.824	-18.595	-18.414
2592. 0(TD-LTE) & 2607.0 & 2617.0(WiMax)	-18.406	-17.756	-18.365
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-18.062	-18.548	-18.251

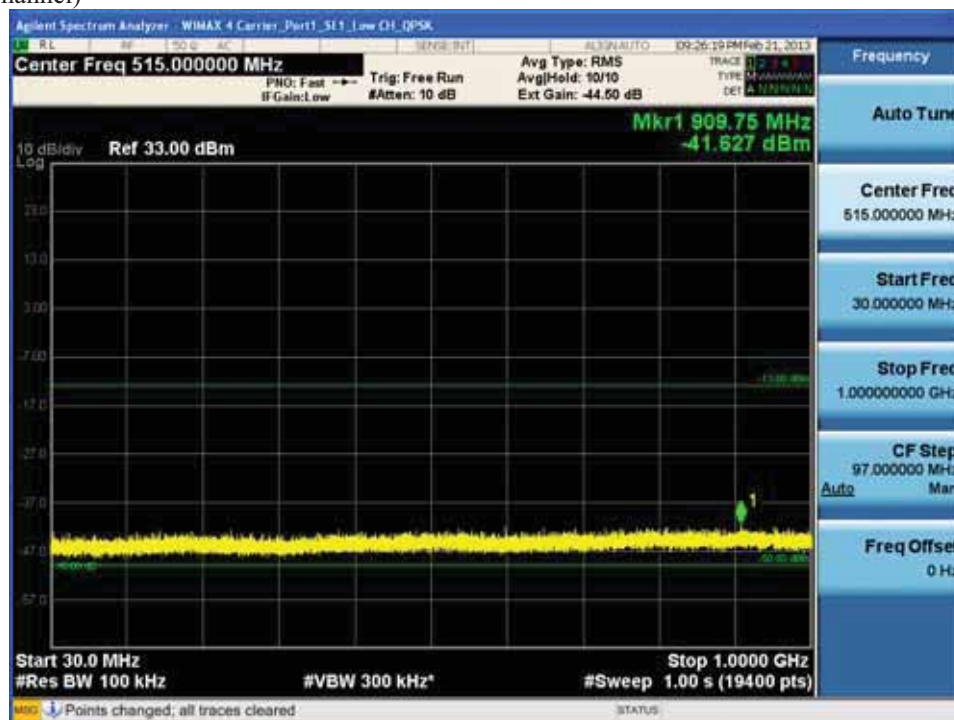
Band edge

Frequency (MHz)	Band edge (dBm)		
	QPSK	16QAM	64QAM
2506.0(TD-LTE) & 2521.0 & 2531.0(WiMax)	-14.149	-14.301	-13.362
2655.0 & 2665.0(WiMax) & 2680.0(TD-LTE)	-14.149	-14.525	-14.617

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 199 of 303

[WiMax only_4FA]

7.4.11. Plot Data at Output Port 1 (QPSK Low Channel)



(30 MHz ~ 1 GHz)

(QPSK Low Channel)



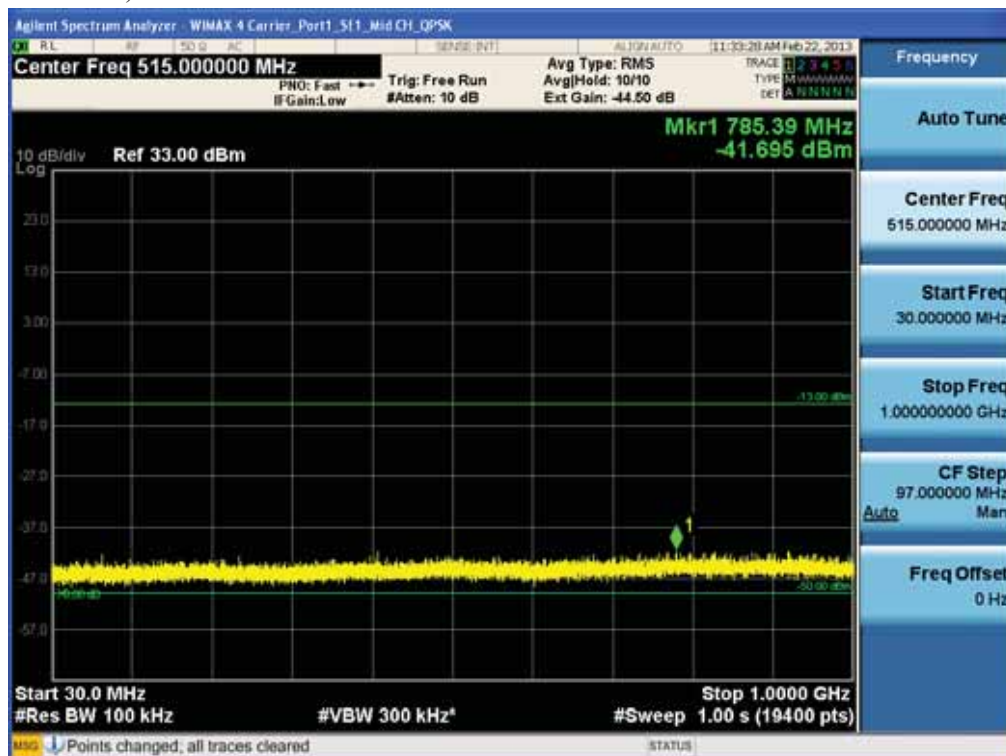
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 200 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

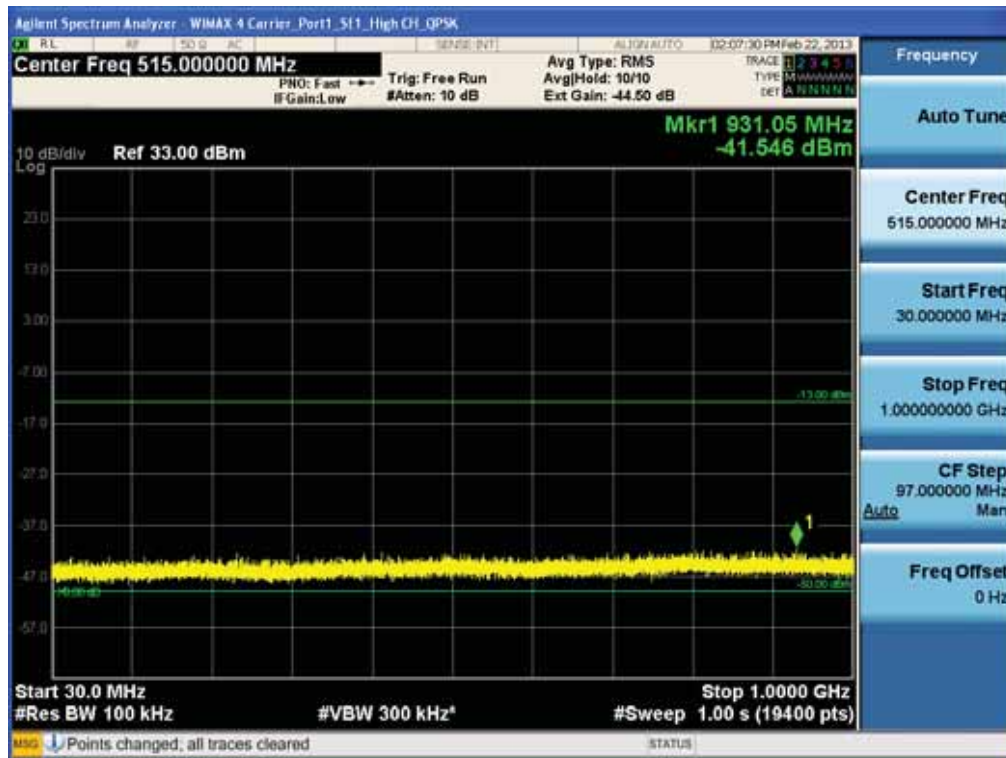
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 201 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

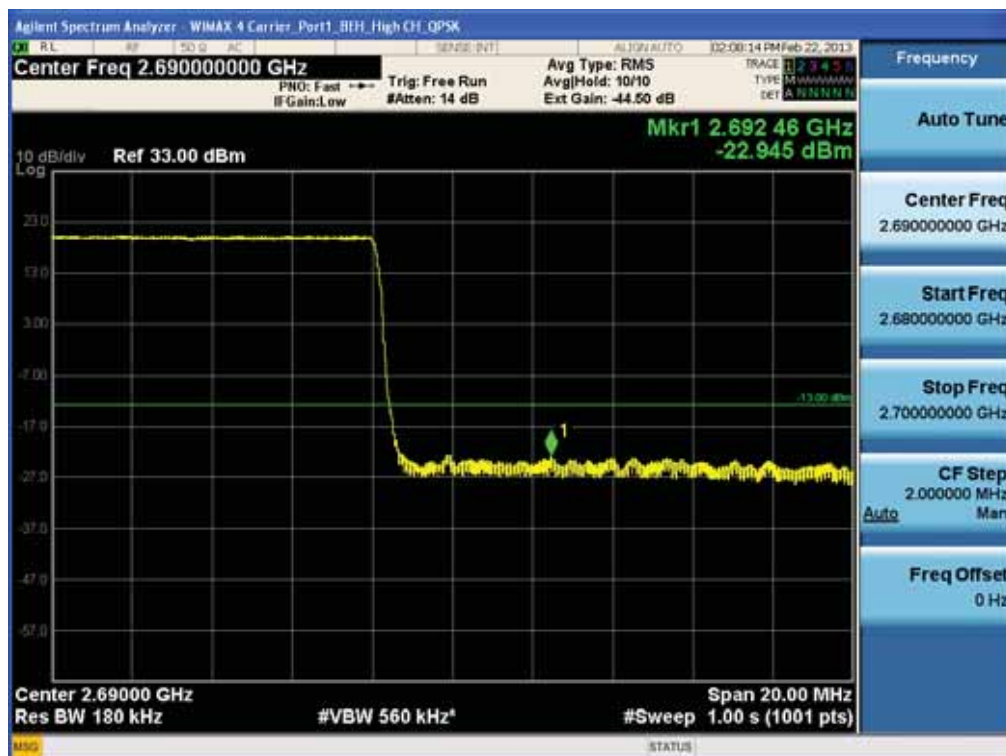
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 202 of 303

(QPSK High Channel)



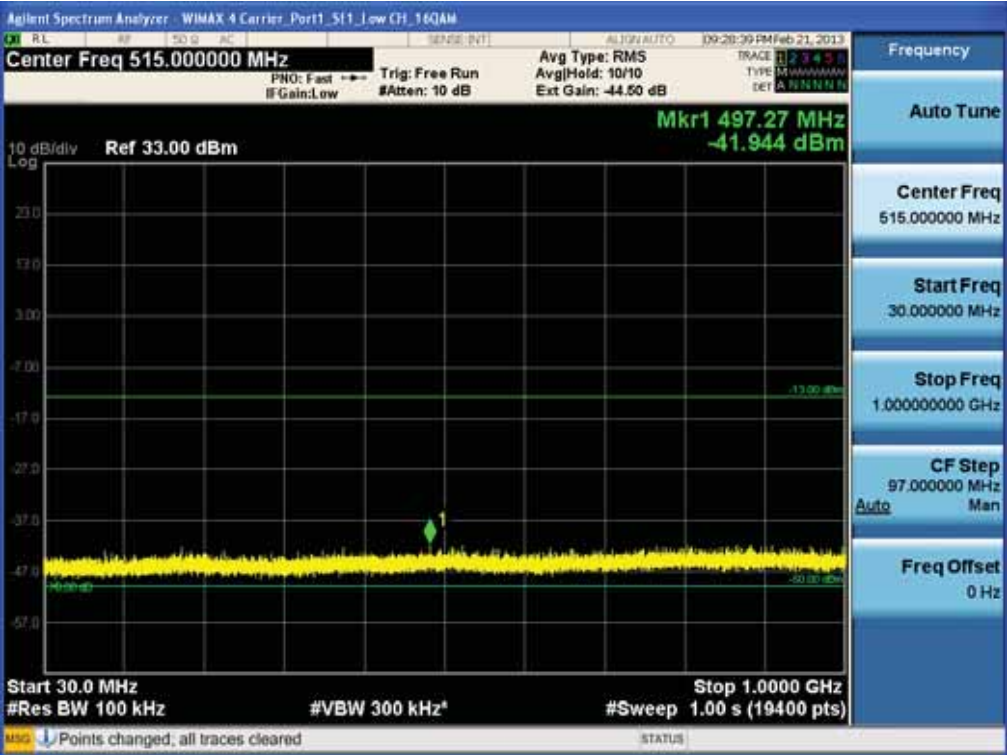
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 203 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

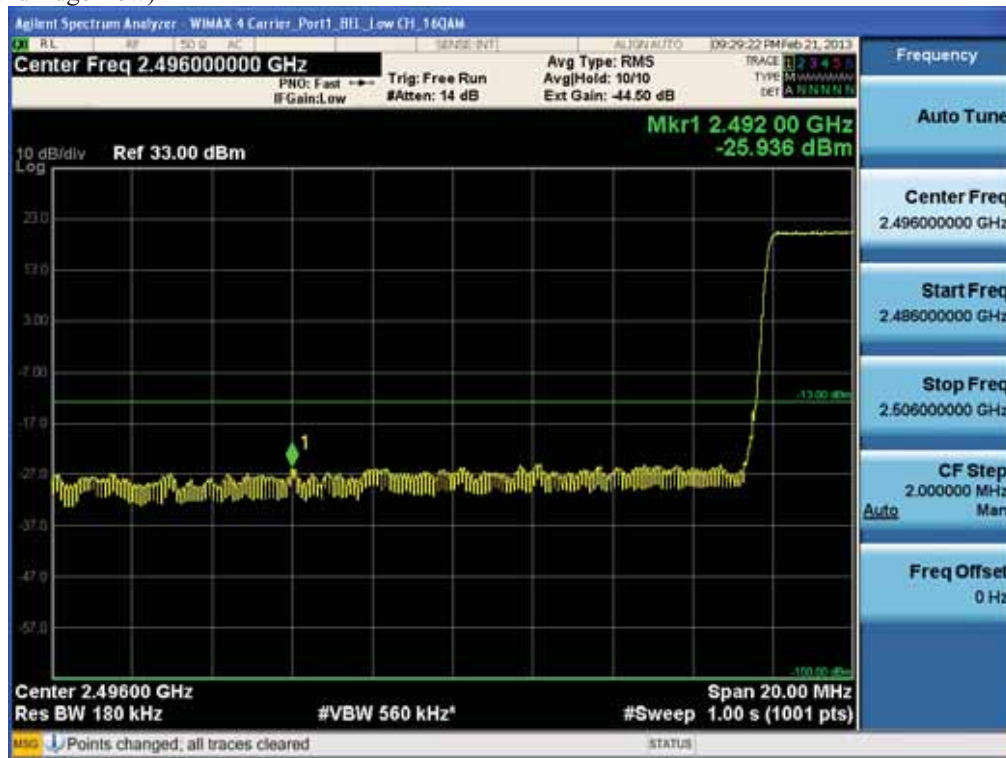
(16QAM Low Channel)



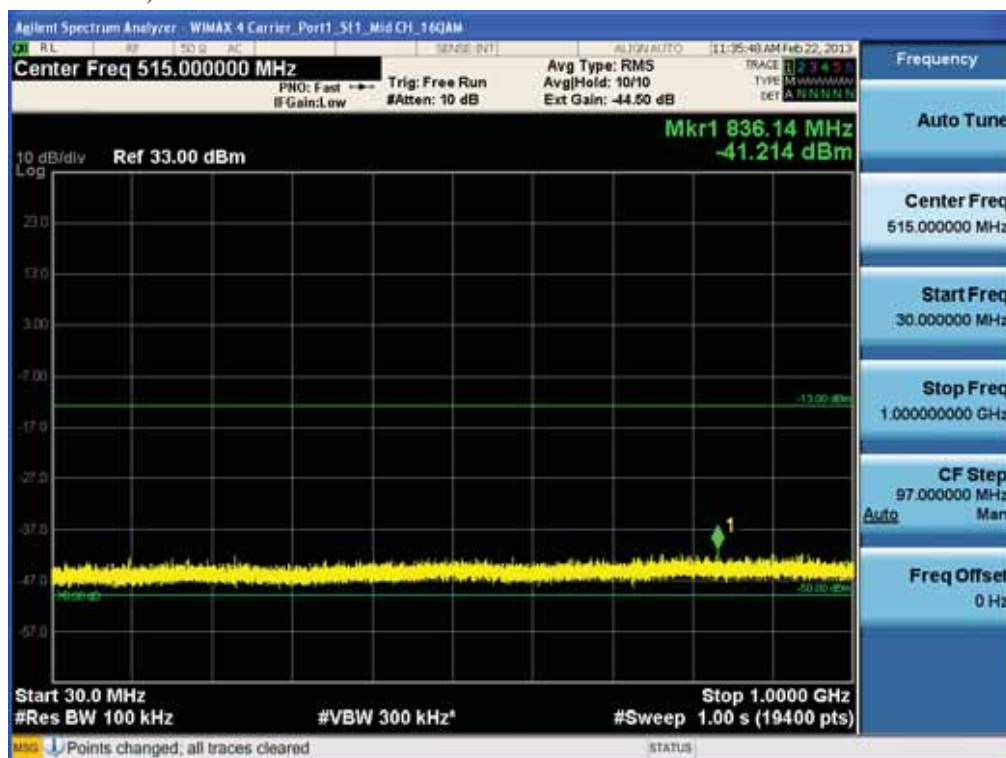
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 204 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

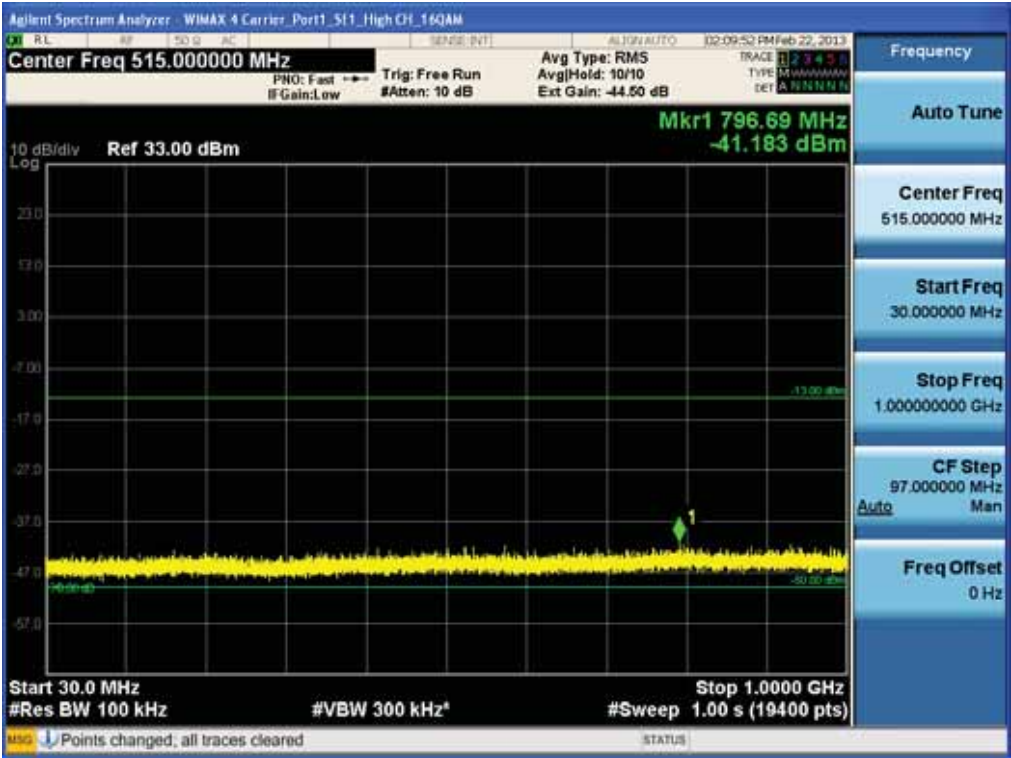
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 205 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 206 of 303