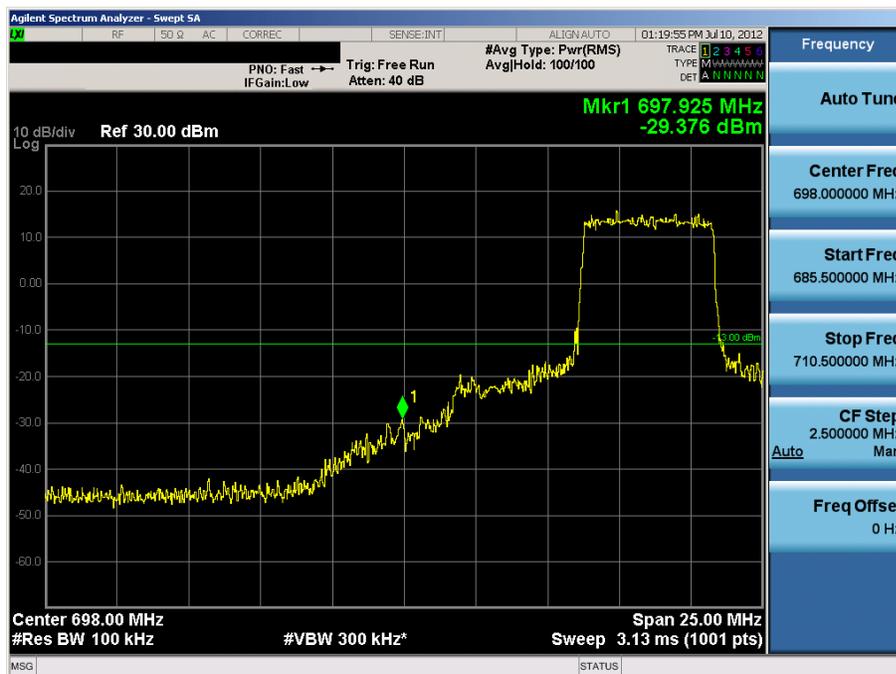


## 7.0 PLOT(S) OF EMISSIONS

Note: For all out-of-band spurious emissions, the RB sizes, offsets and modulations that produced the worst case emissions are indicated in the plot captions.

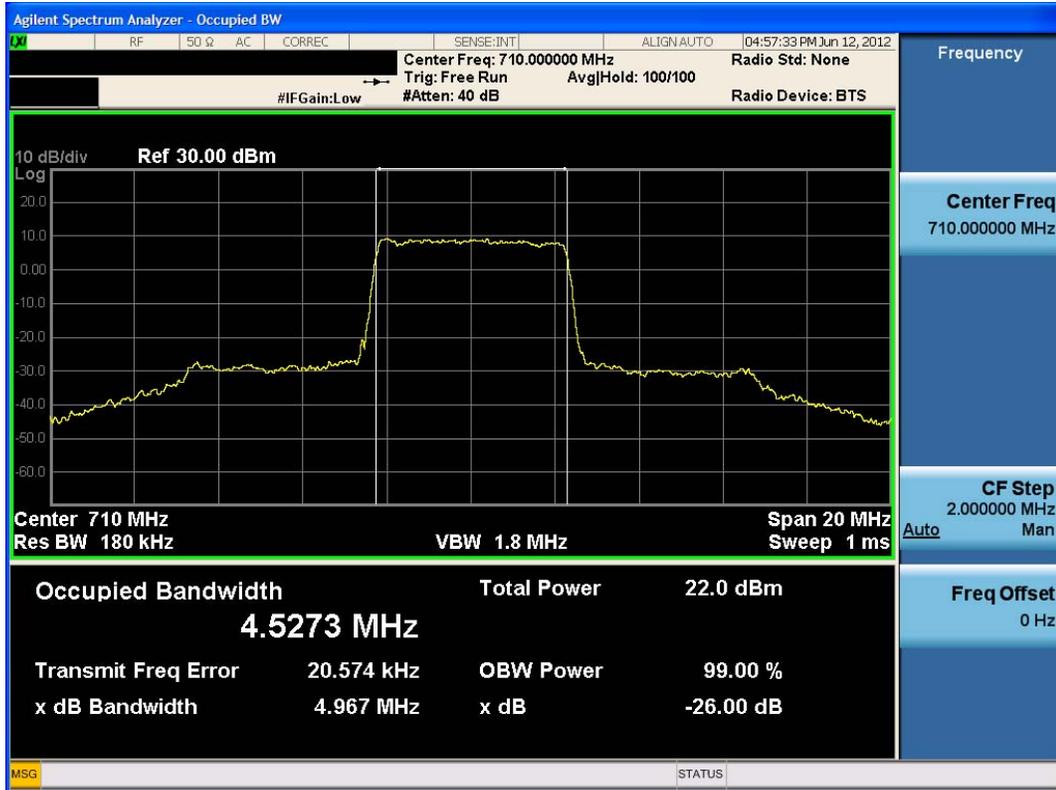


**Plot 7-1. Lower Band Edge Plot (QPSK – RB Size 25)**

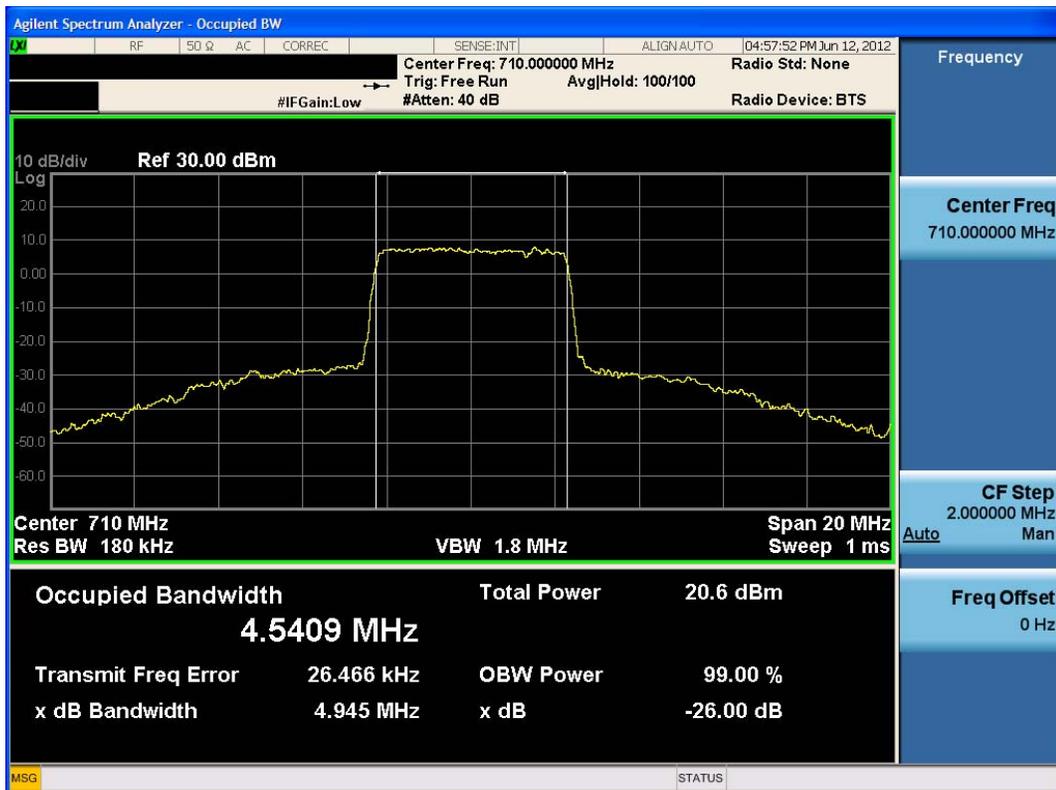


**Plot 7-2. Lower Band Edge Plot (QPSK – RB Size 25, Offset 0)**

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 24 of 50



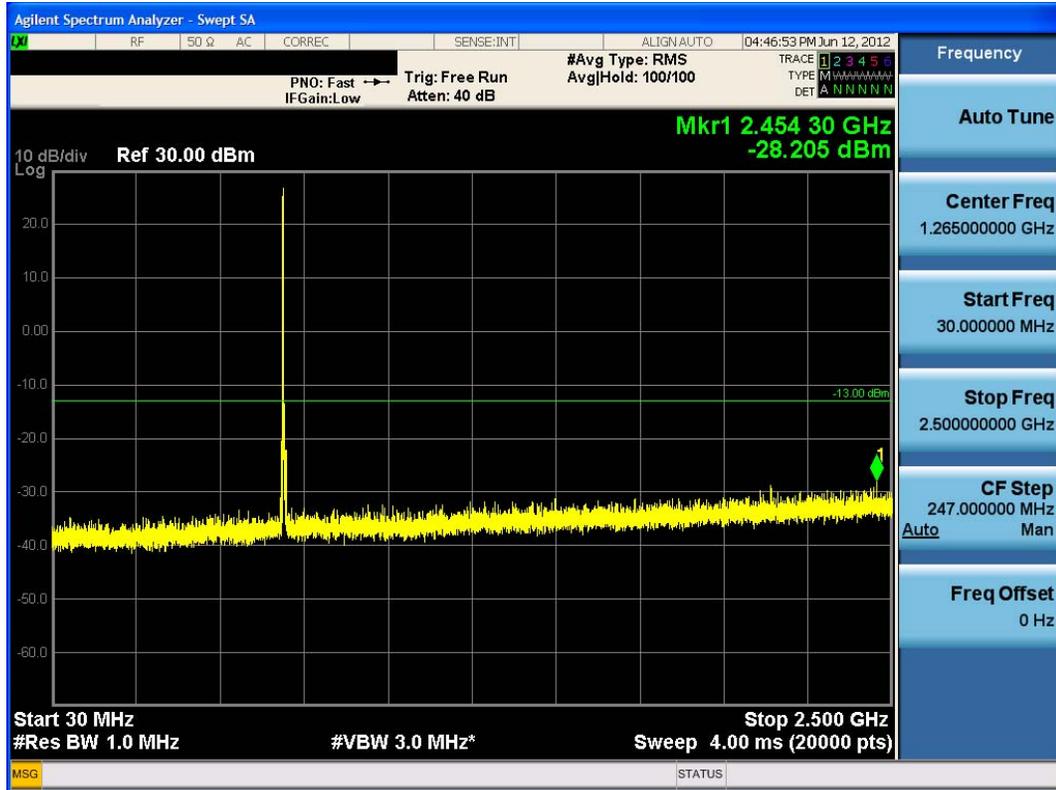
Plot 7-3. Occupied Bandwidth Plot (QPSK – RB Size 25)



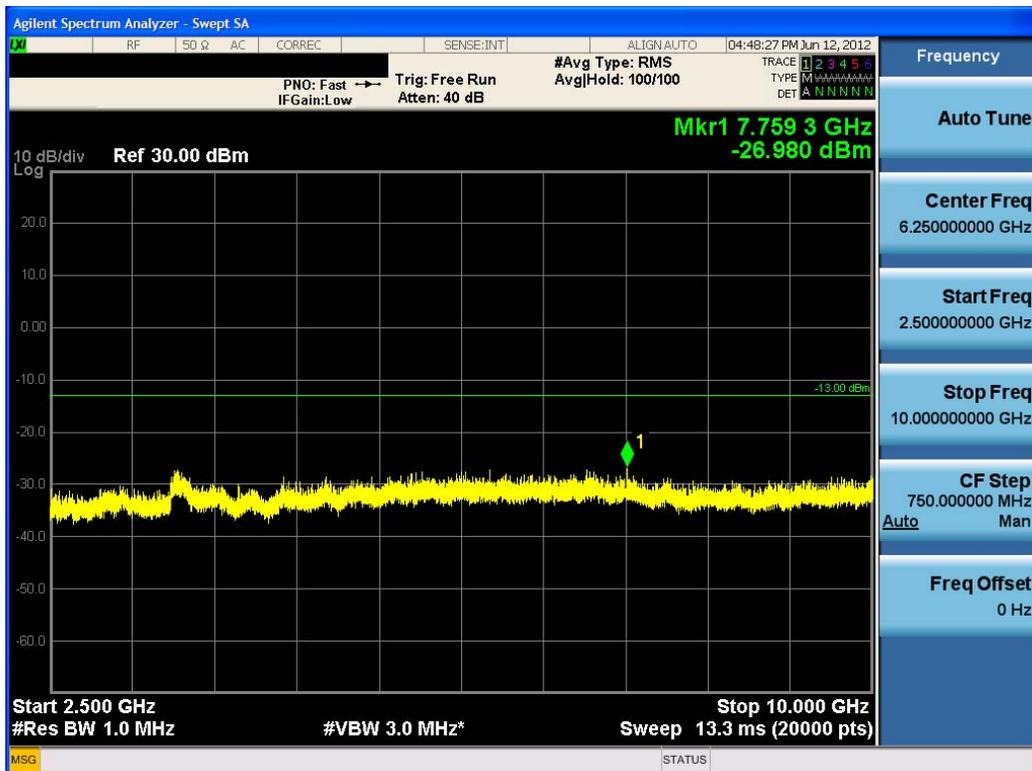
Plot 7-4. Occupied Bandwidth Plot (16-QAM – RB Size 25)

FCC ID: ZNFP870	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 25 of 50



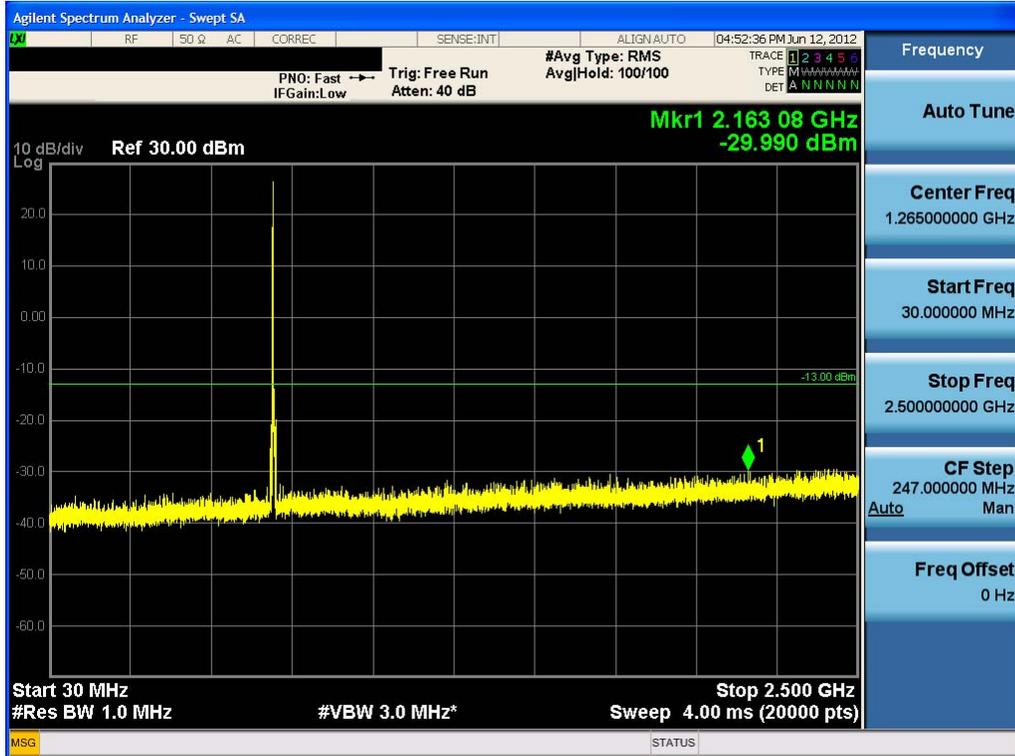


Plot 7-7. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

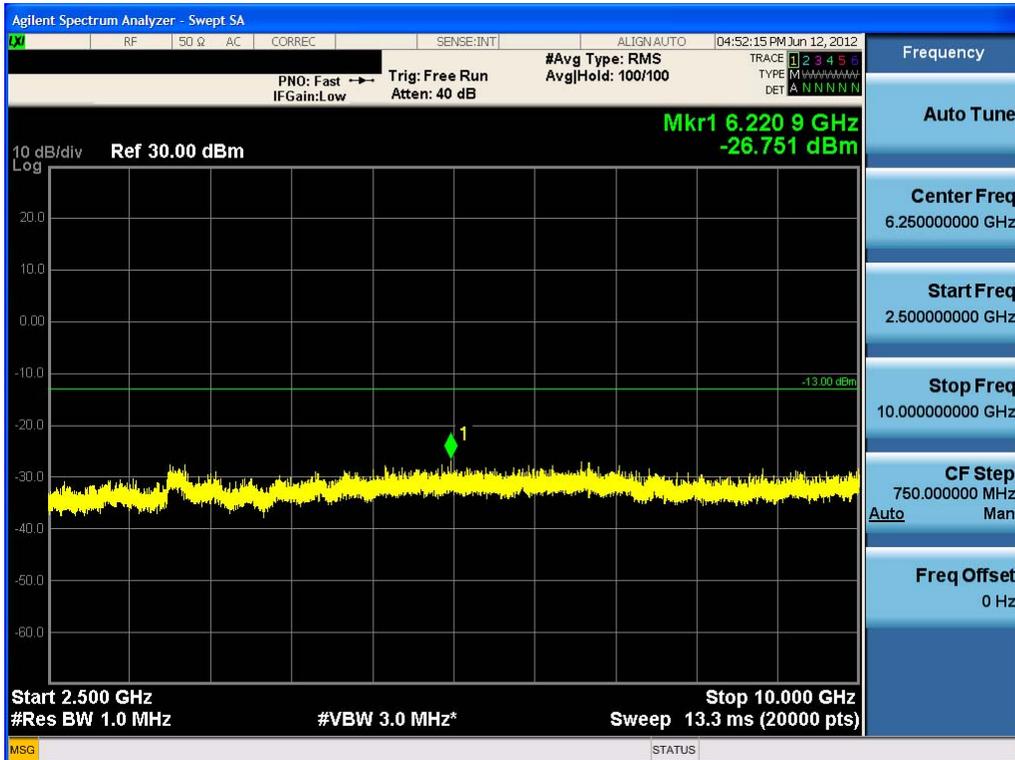


Plot 7-8. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFP870	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 27 of 50

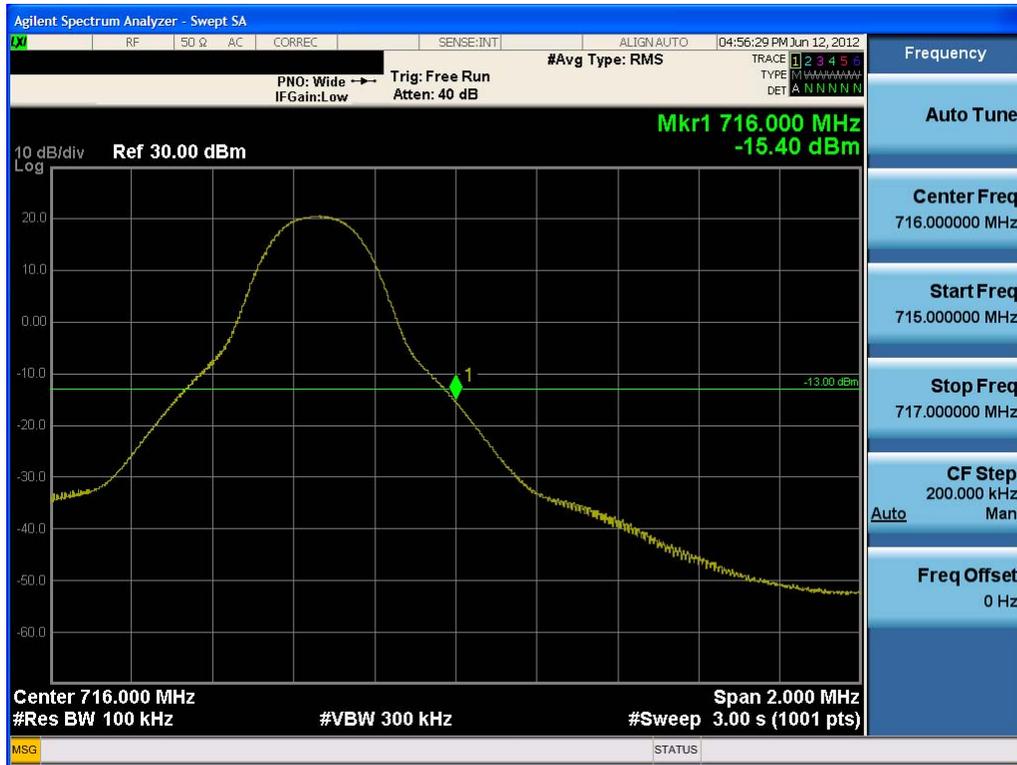


Plot 7-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

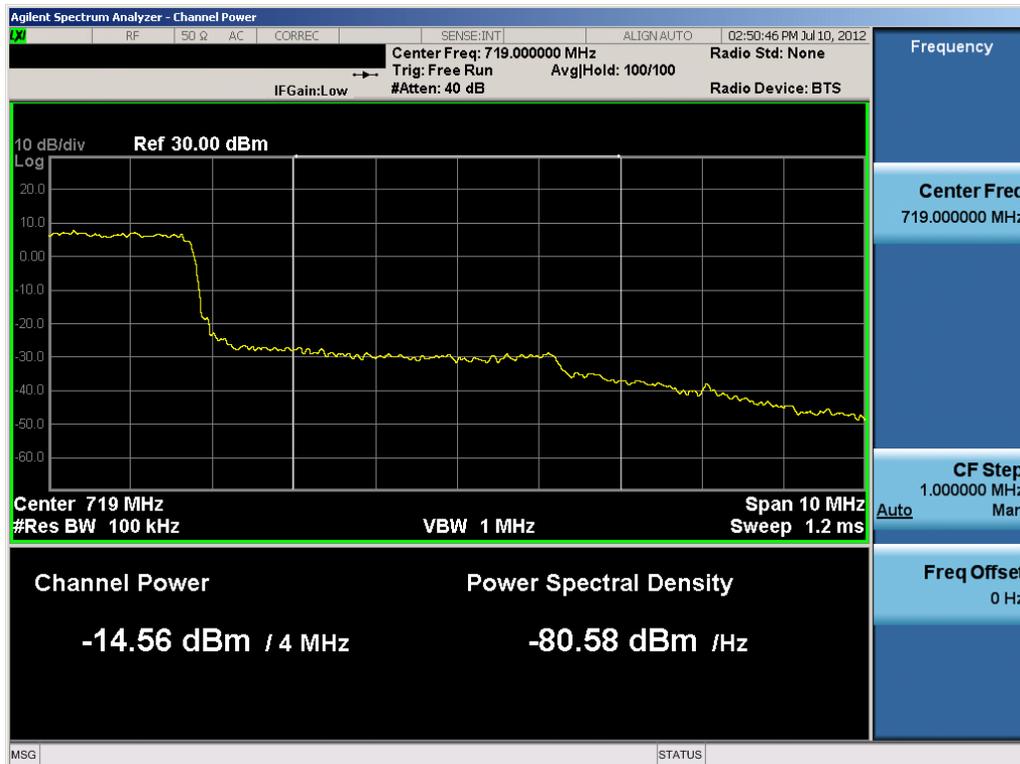


Plot 7-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 28 of 50



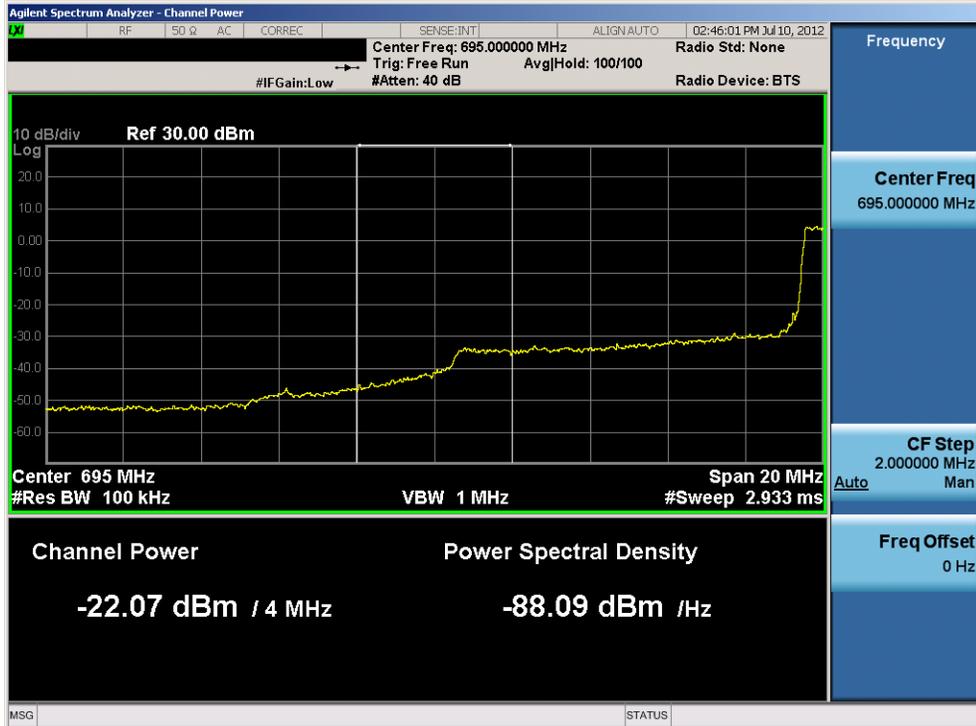
Plot 7-11. Upper Band Edge Plot (QPSK – RB Size 1, Offset 24)



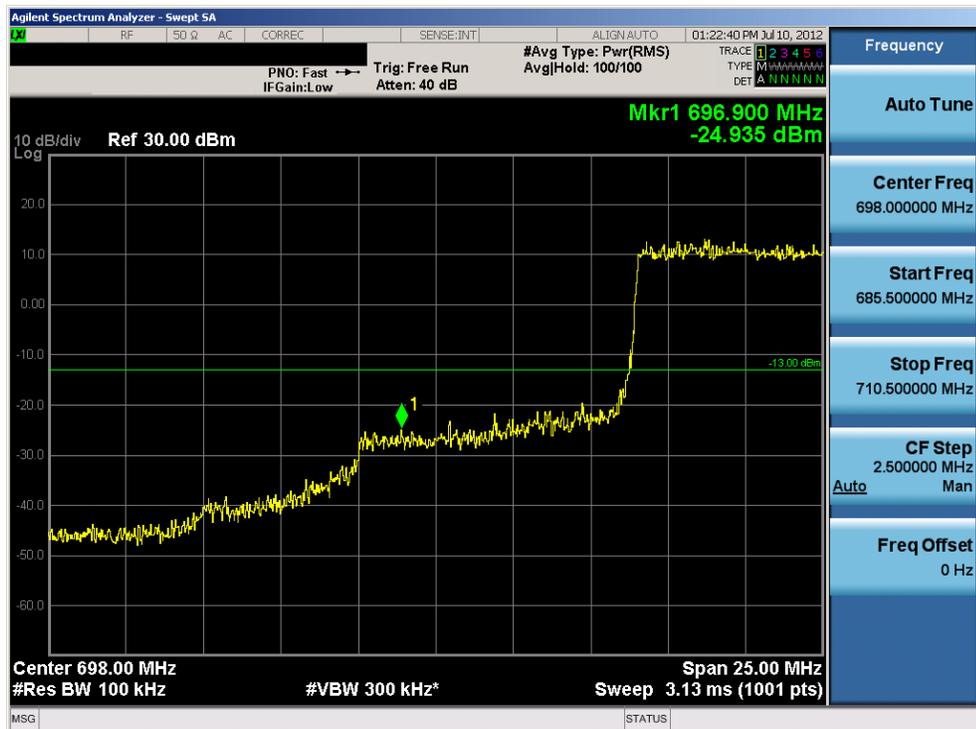
Plot 7-12. Upper Band Edge Plot (QPSK – RB Size 25)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 29 of 50

## BAND 17 – 10 MHz BW

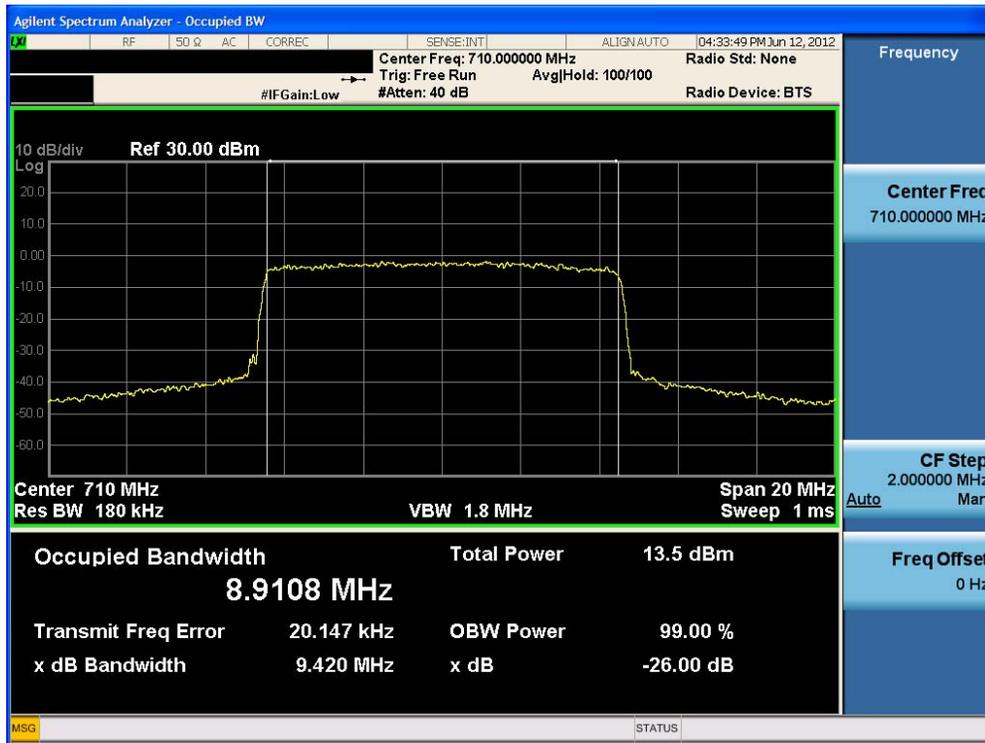


**Plot 7-13. Lower Band Edge Plot (QPSK – RB Size 50)**

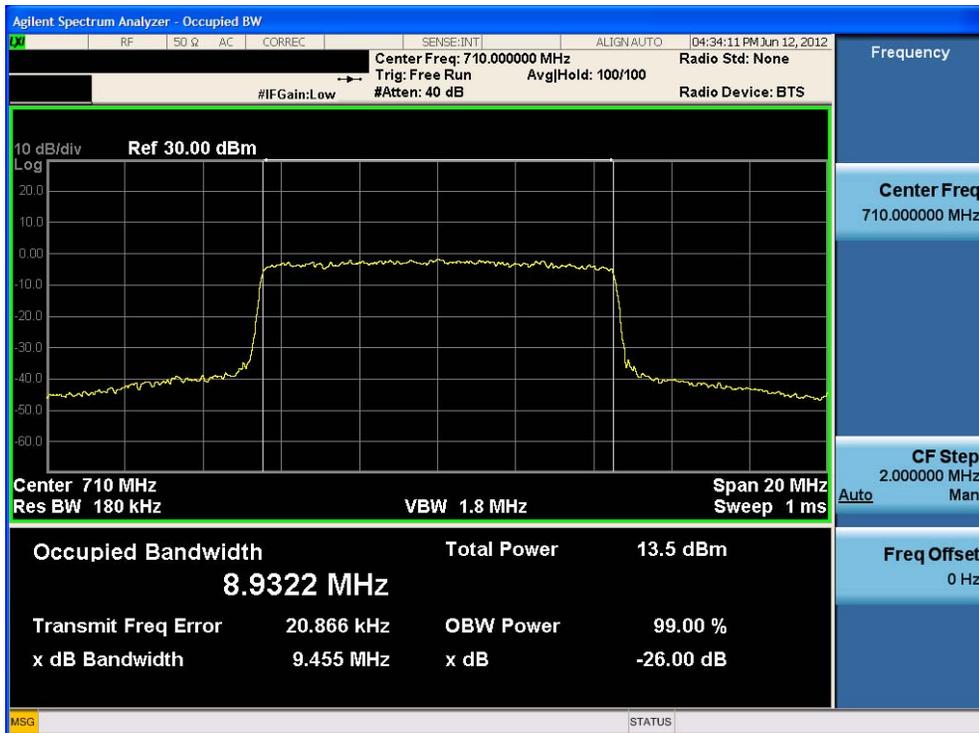


**Plot 7-14. Lower Band Edge Plot (QPSK – RB Size 25, RB Offset 0)**

FCC ID: ZNFP870		<b>FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)</b>		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 30 of 50

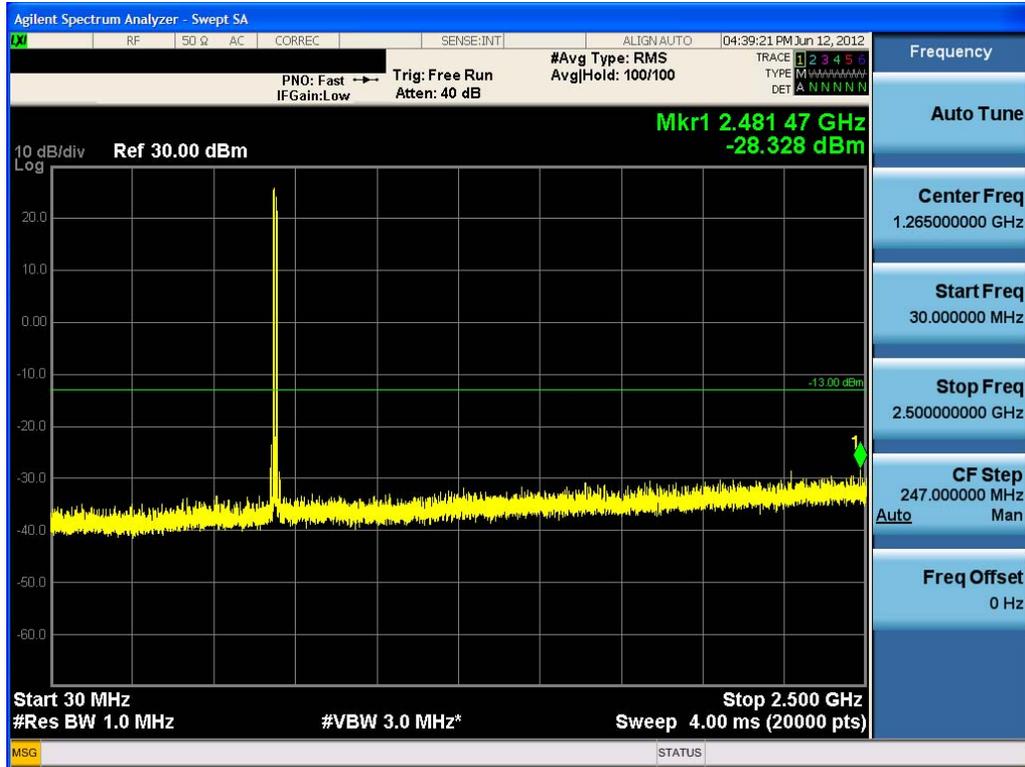


Plot 7-15. Occupied Bandwidth Plot (QPSK – RB Size 50)

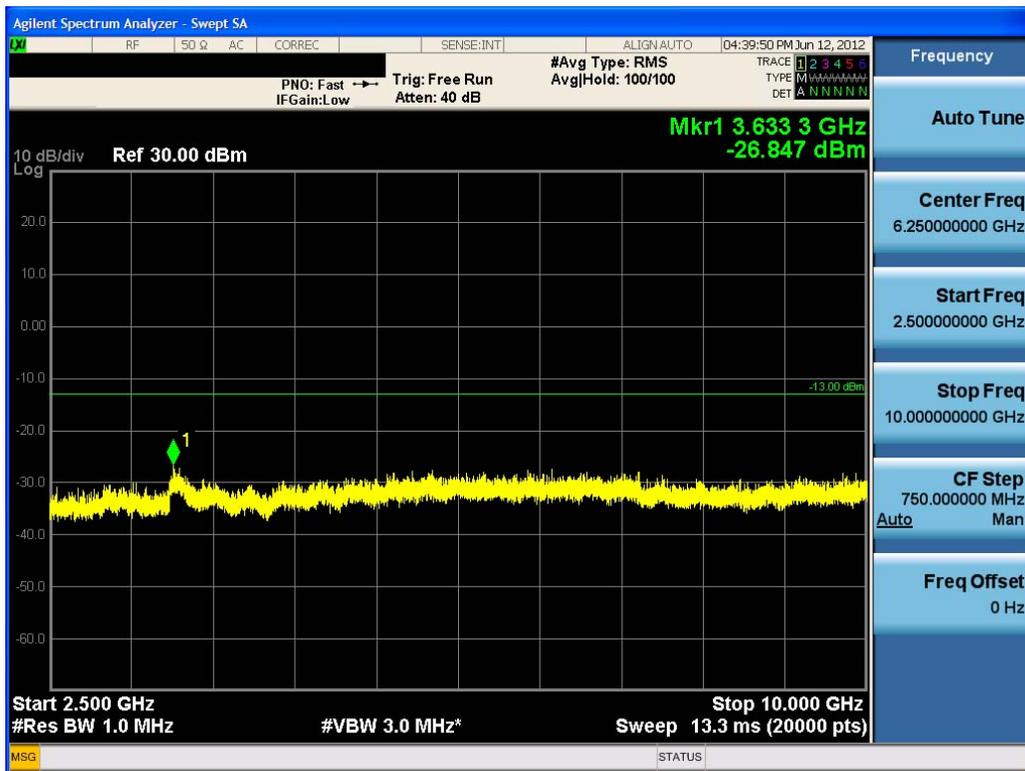


Plot 7-16. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 31 of 50



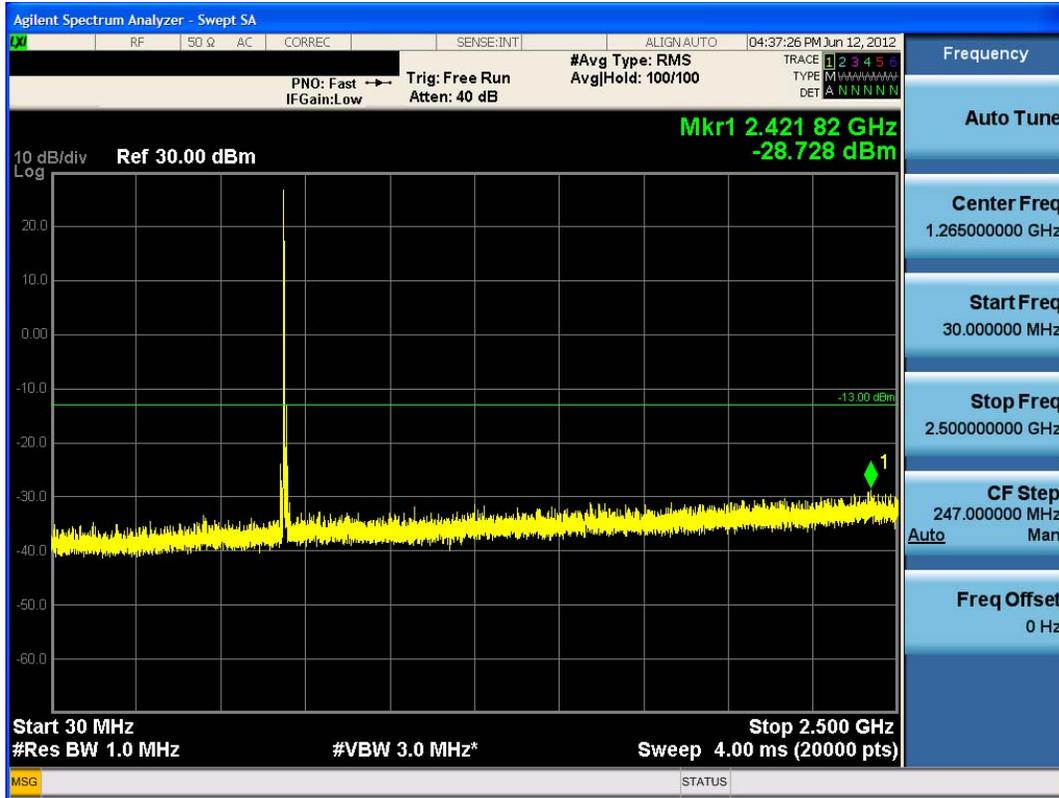
Plot 7-17. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)



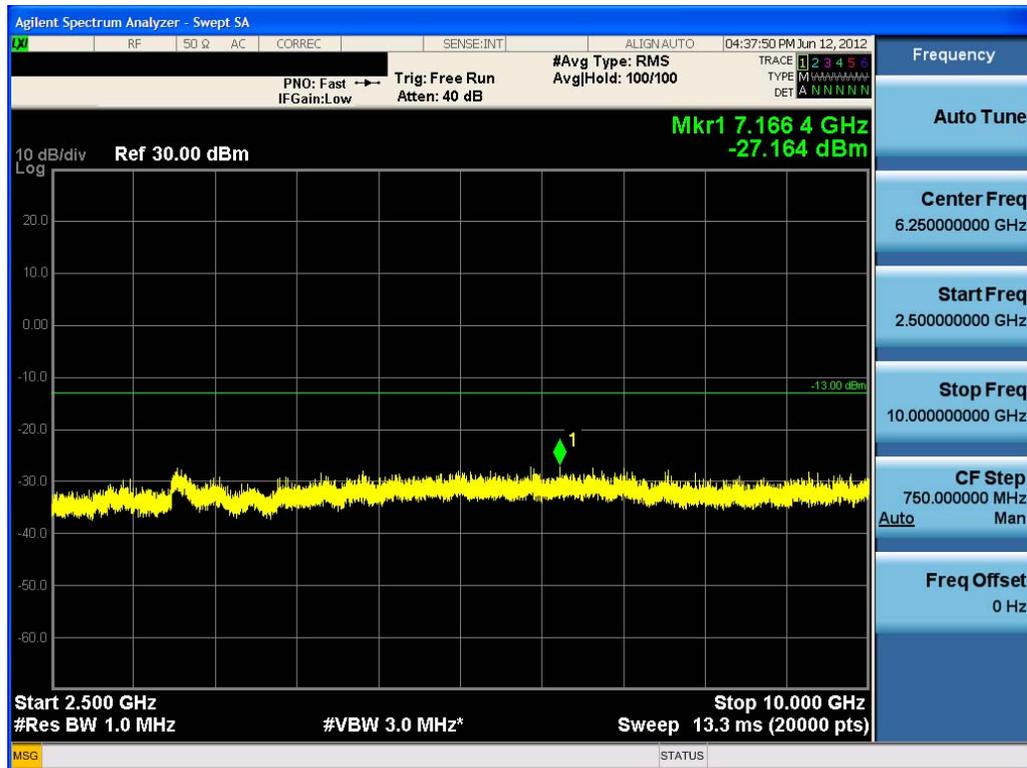
Plot 7-18. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 32 of 50



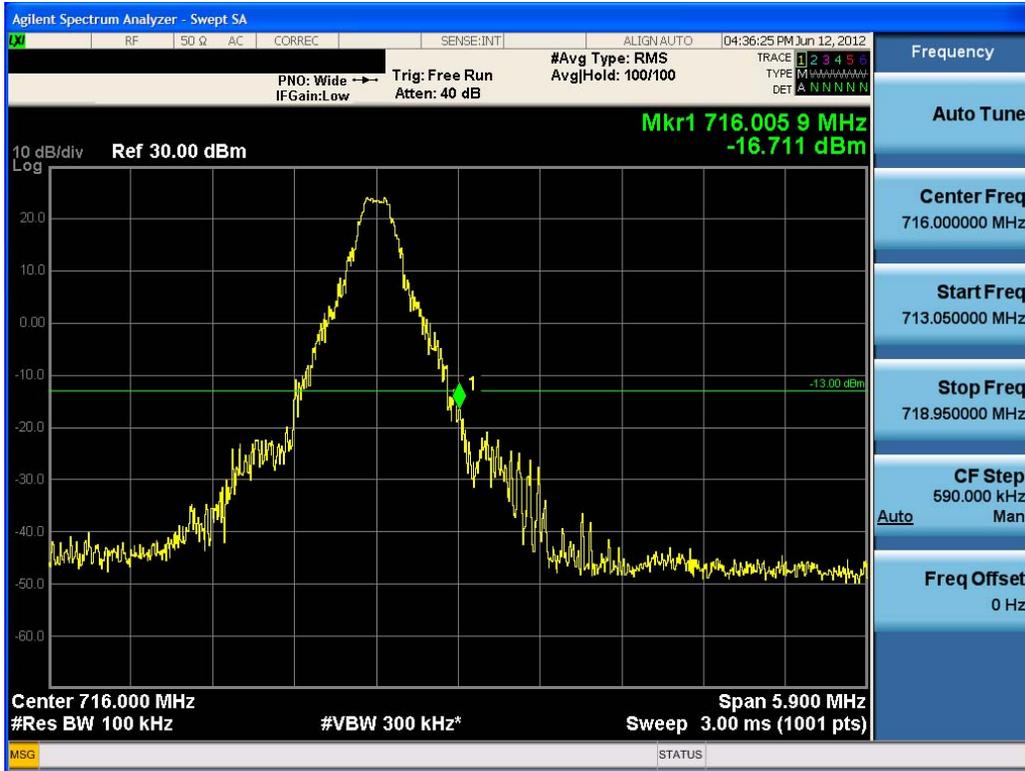


Plot 7-21. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

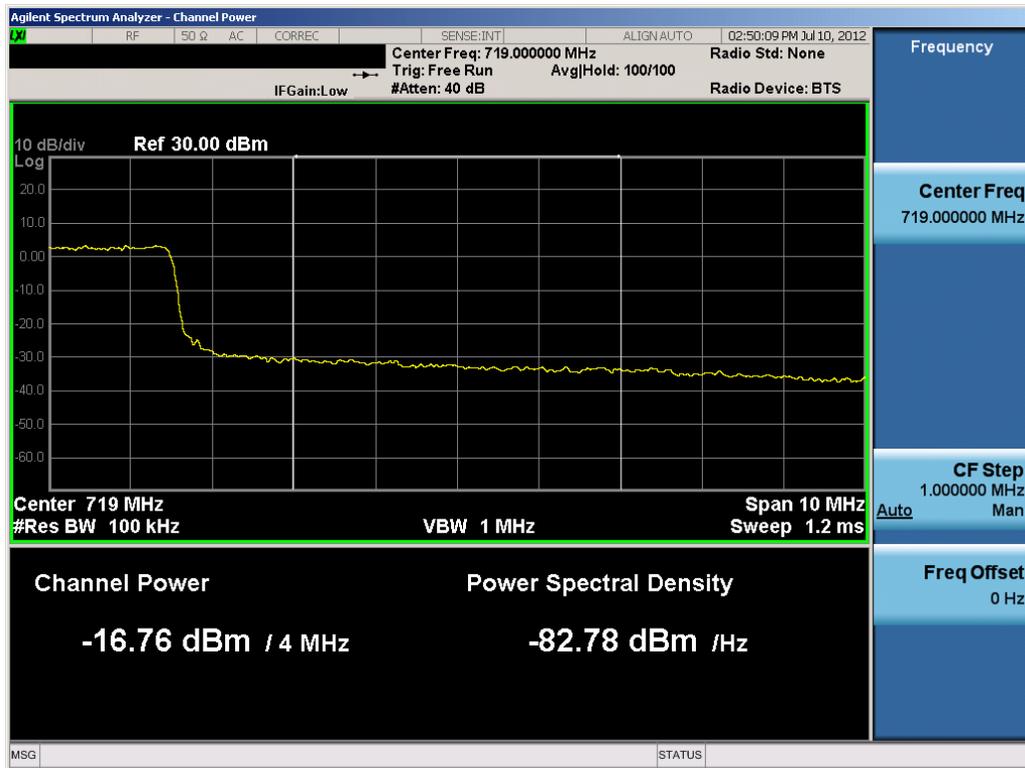


Plot 7-22. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 34 of 50



Plot 7-23. Upper Band Edge Plot (QPSK – RB Size 1, RB Offset 49)



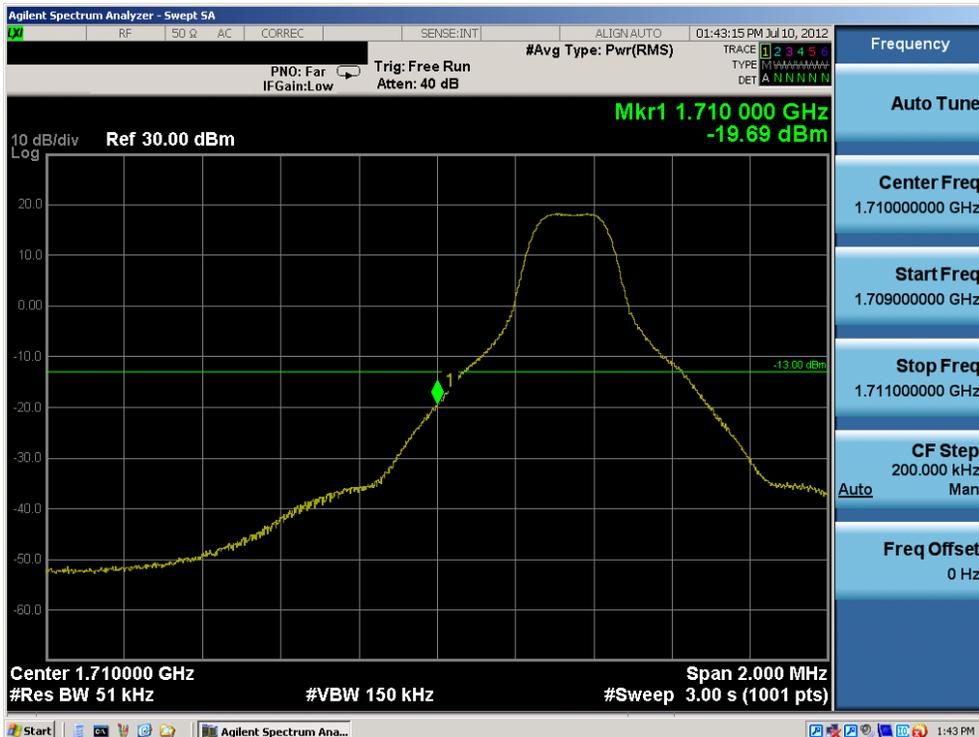
Plot 7-24. Upper Band Edge Plot (QPSK – RB Size 50)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 35 of 50

**BAND 4 – 5 MHz BW**

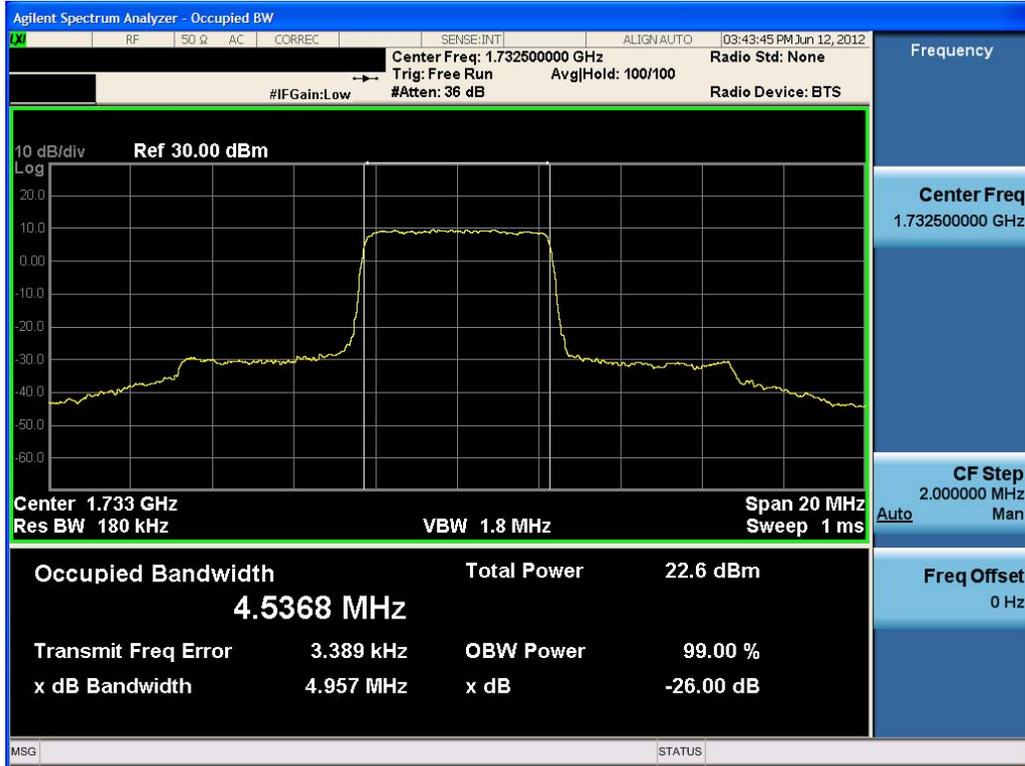


Plot 7-25. Lower Band Edge Plot (QPSK – RB Size 25)

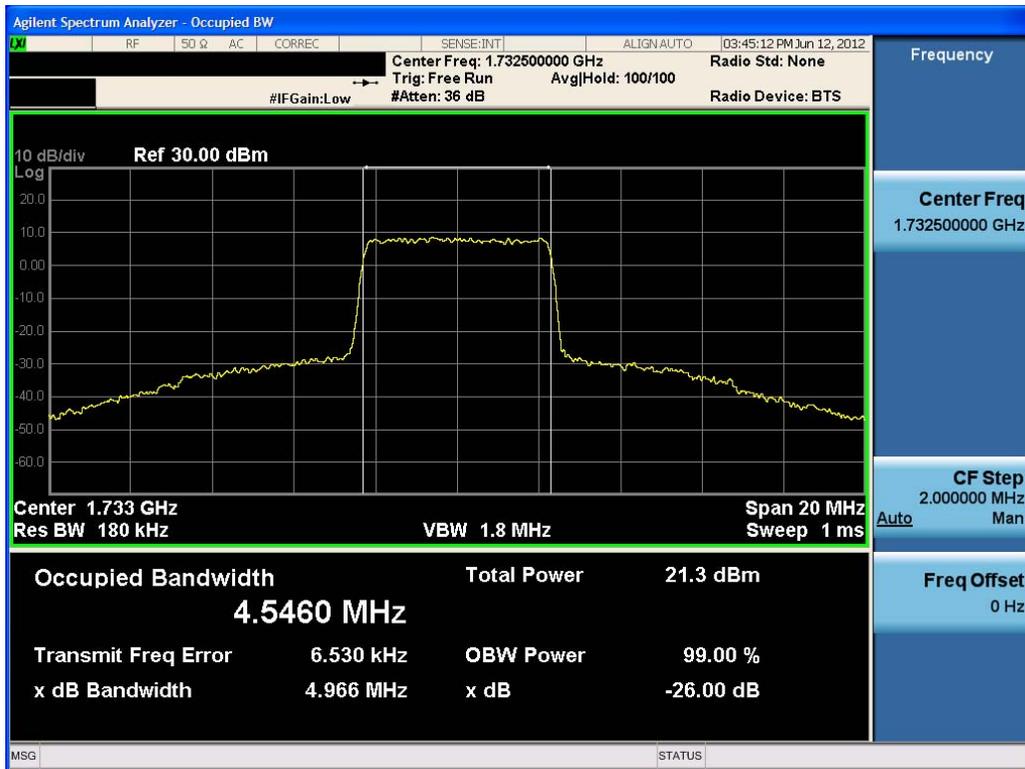


Plot 7-26. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 36 of 50

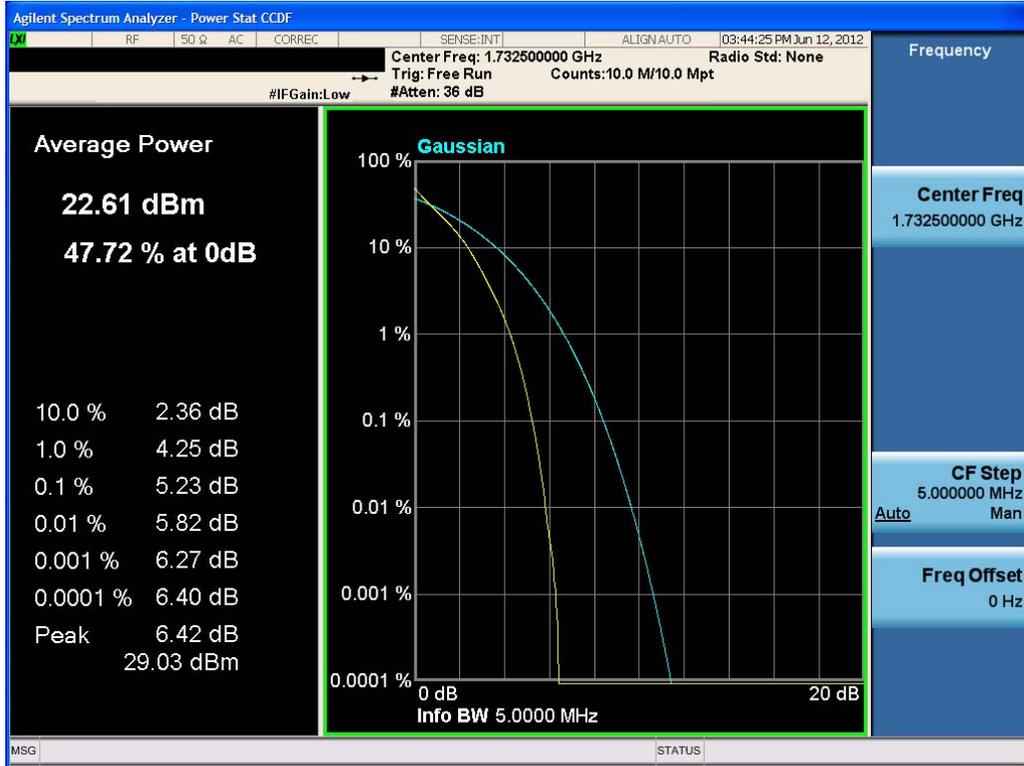


Plot 7-27. Occupied Bandwidth Plot (QPSK – RB Size 25)

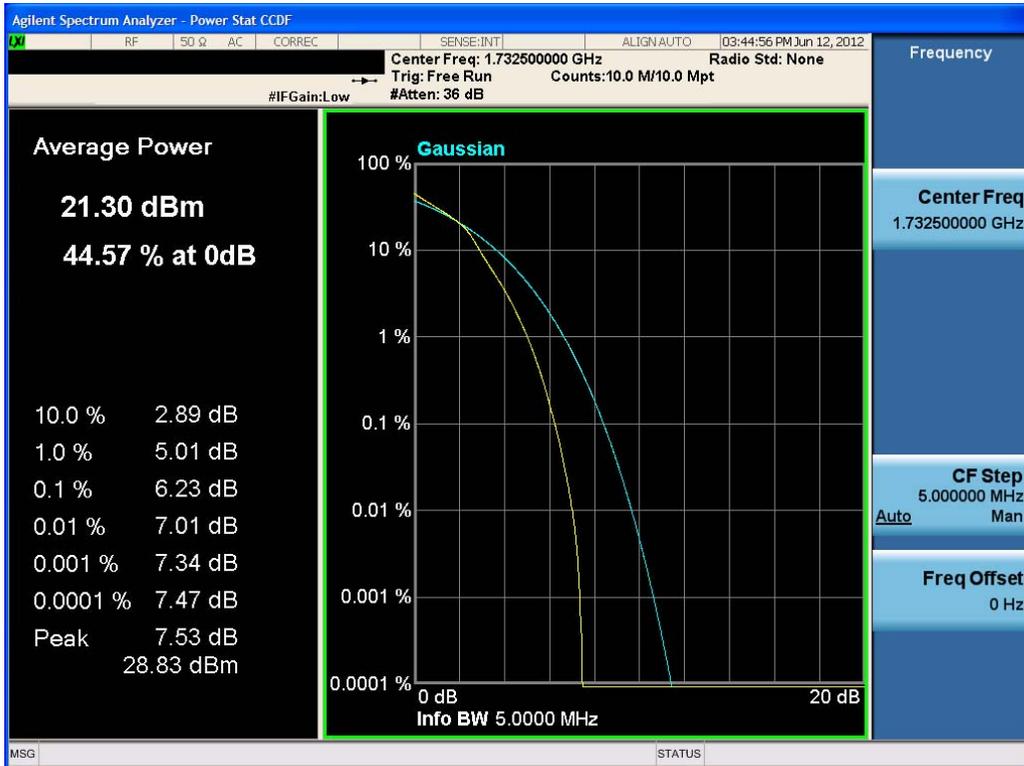


Plot 7-28. Occupied Bandwidth Plot (16-QAM – RB Size 25)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Plot 7-29. Peak to Average Ratio Plot (QPSK – RB Size 25)

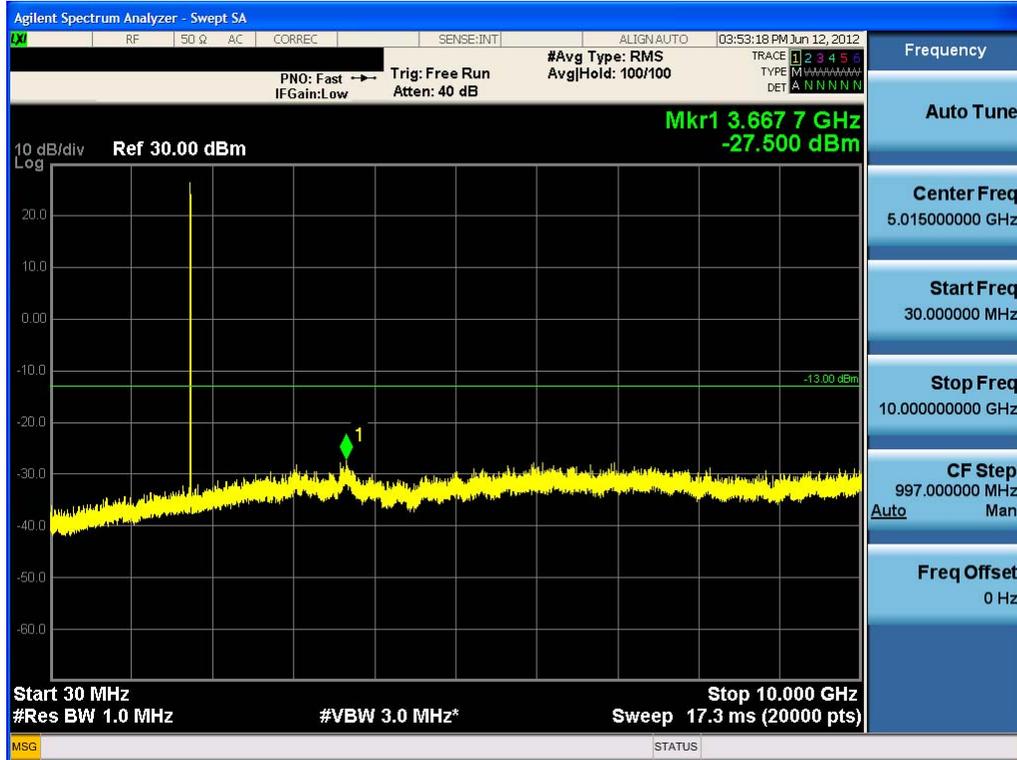


Plot 7-30. Peak to Average Ratio Plot (16QAM – RB Size 25)

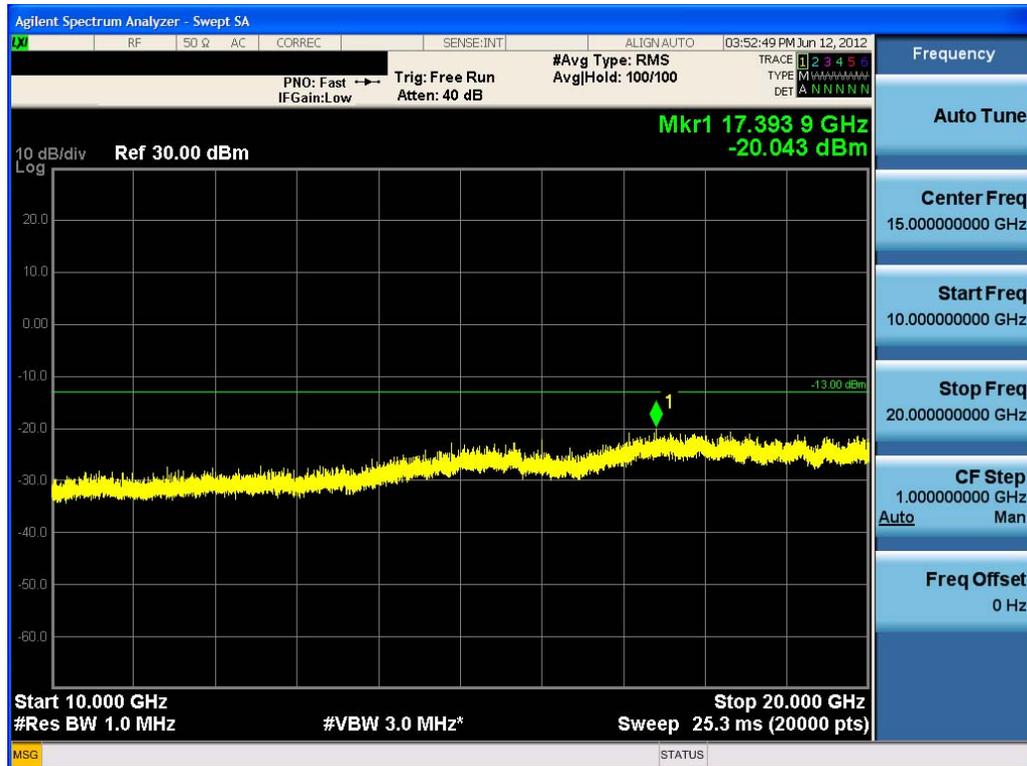
FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 38 of 50







Plot 7-35. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 24 – High Channel)

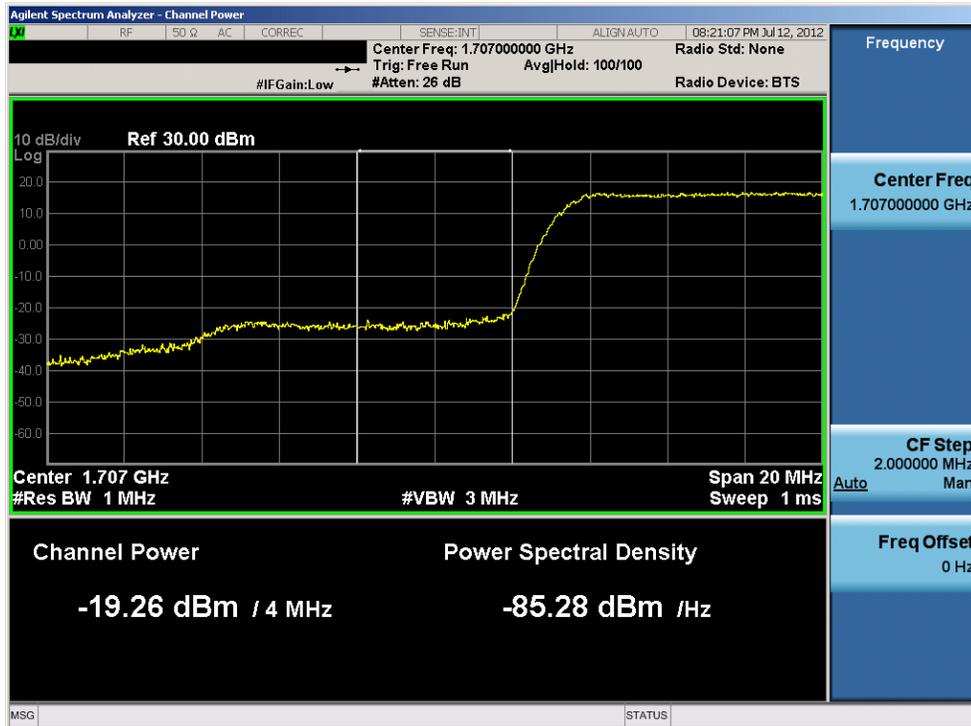


Plot 7-36. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 24 – High Channel)

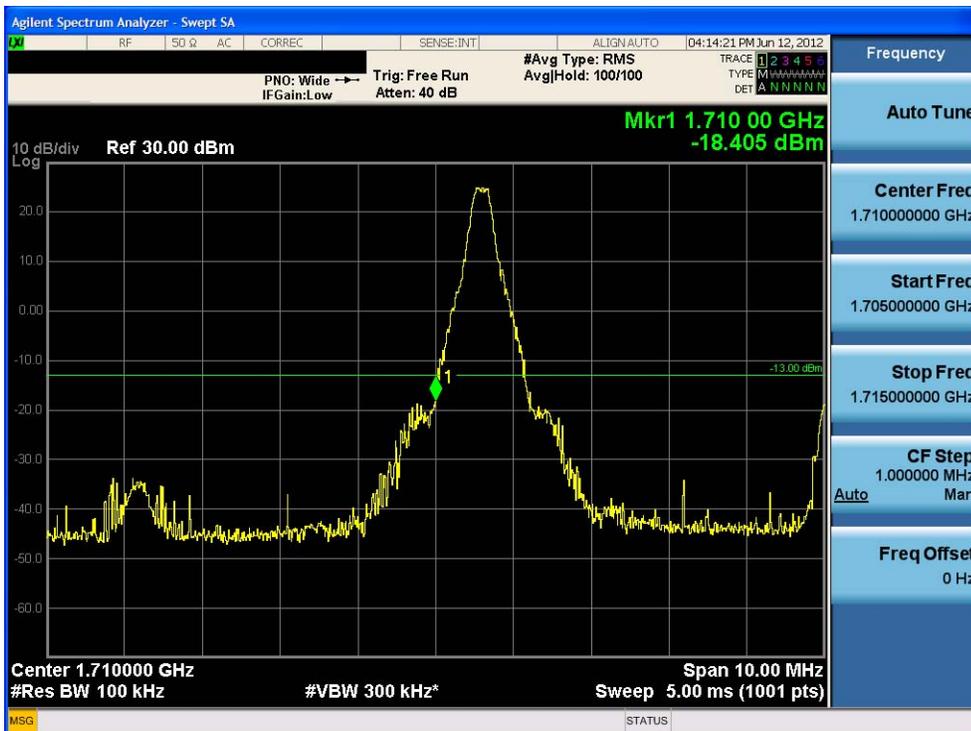
FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 41 of 50



## BAND 4 – 10 MHz BW

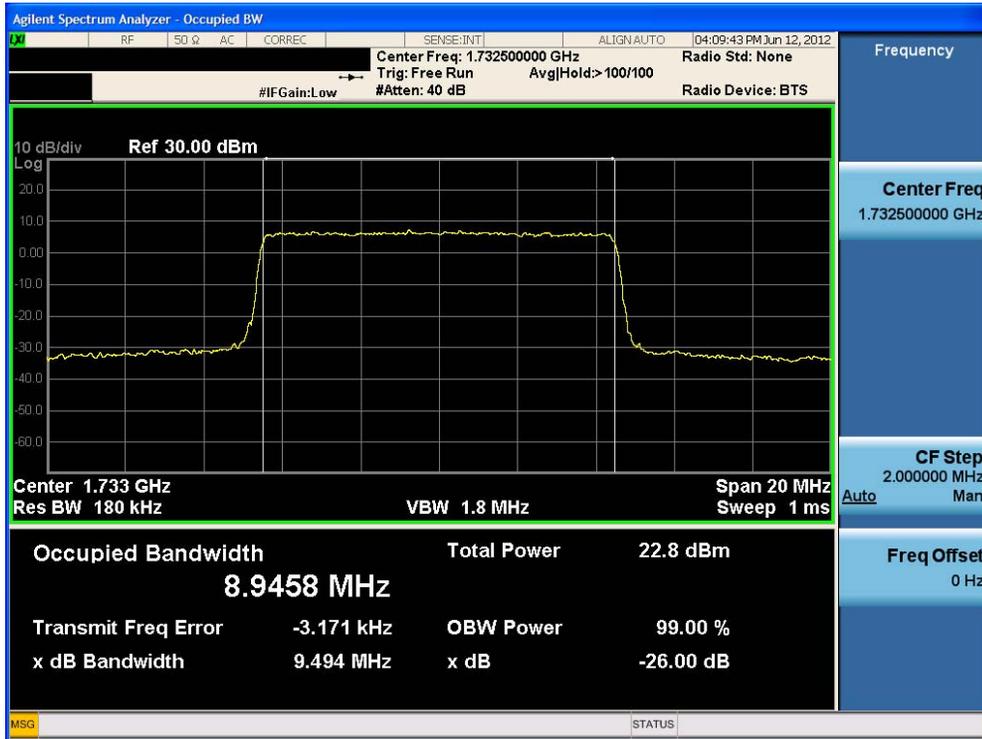


**Plot 7-39. Lower Band Edge Plot (QPSK – RB Size 50)**

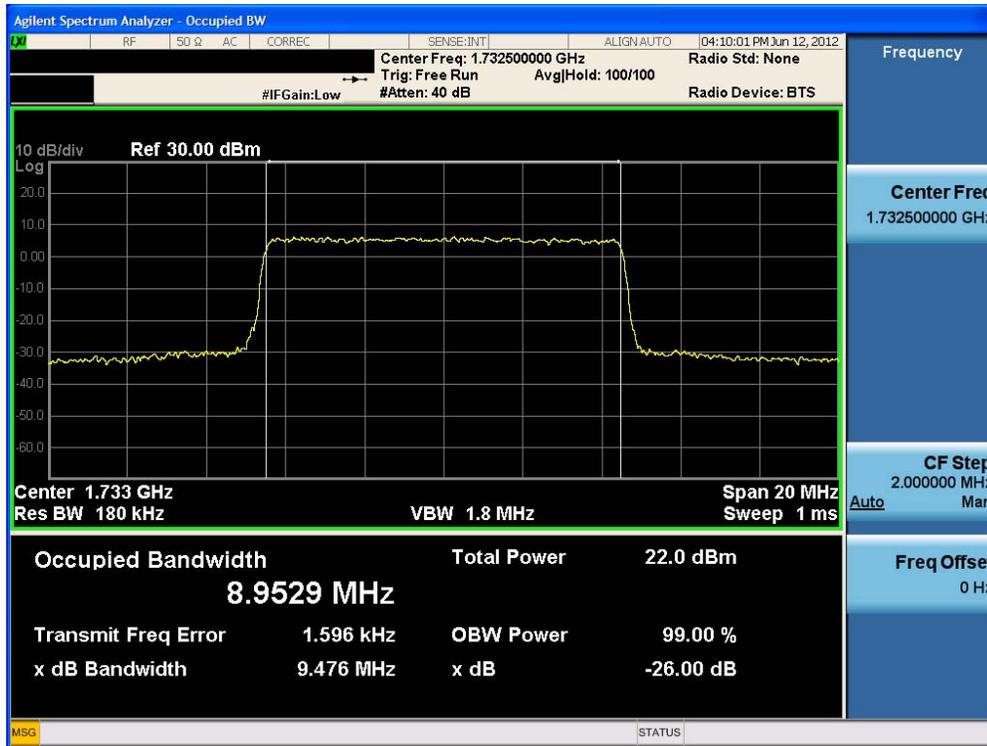


**Plot 7-40. Lower Band Edge Plot (QPSK – RB Size 1, RB Offset 0)**

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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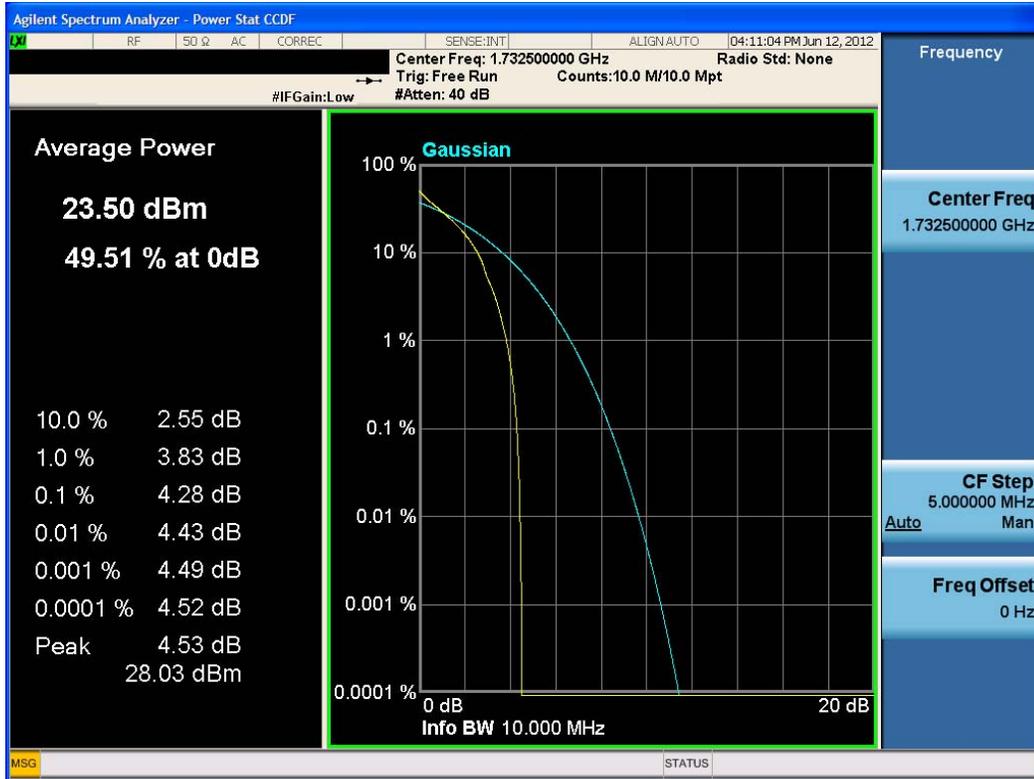


Plot 7-41. Occupied Bandwidth Plot (QPSK – RB Size 50)



Plot 7-42. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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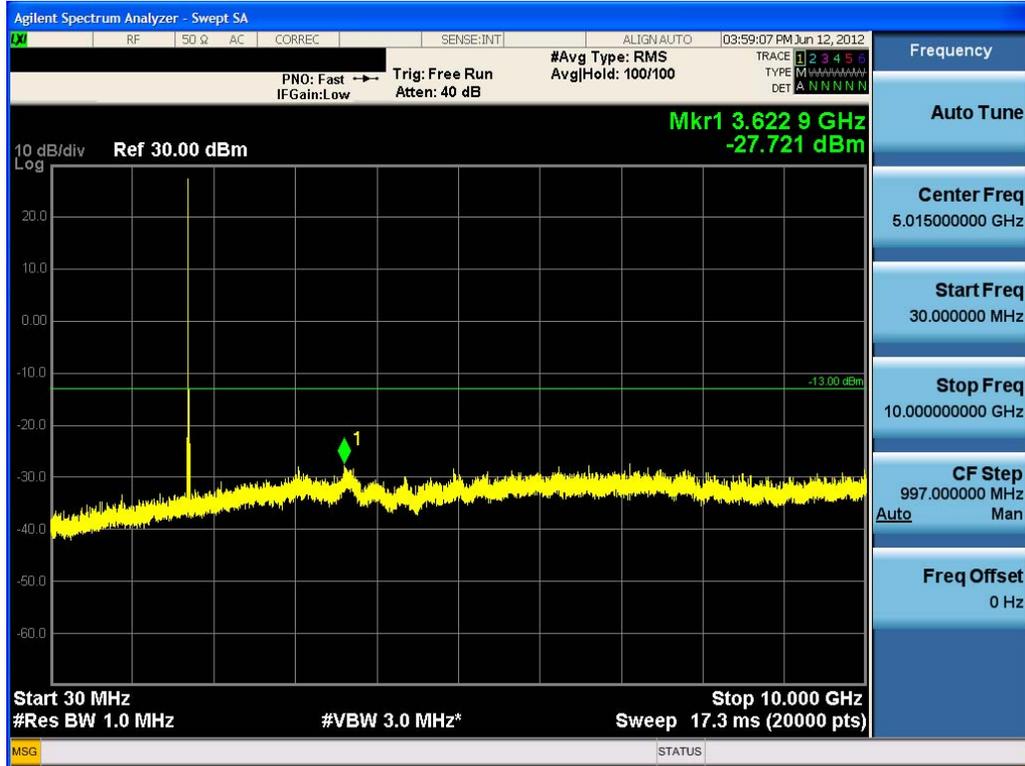


**Plot 7-43. Peak to Average Ratio Plot (QPSK – RB Size 50)**

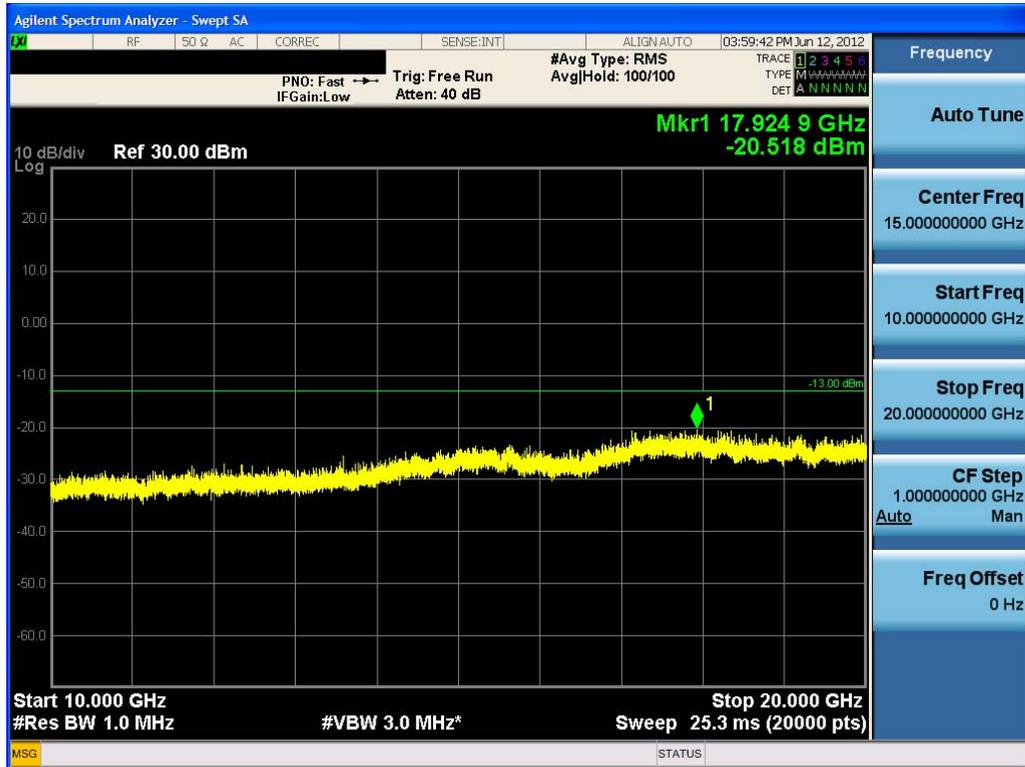


**Plot 7-44. Peak to Average Ratio Plot (16QAM – RB Size 50)**

FCC ID: ZNFP870	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 45 of 50

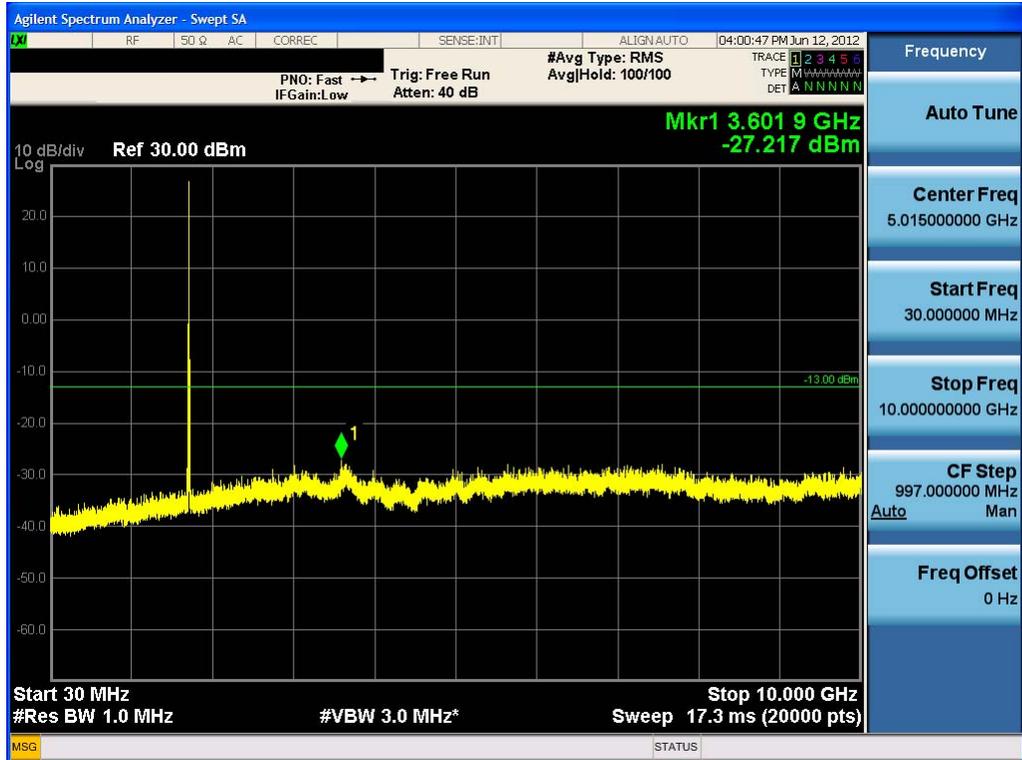


Plot 7-45. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

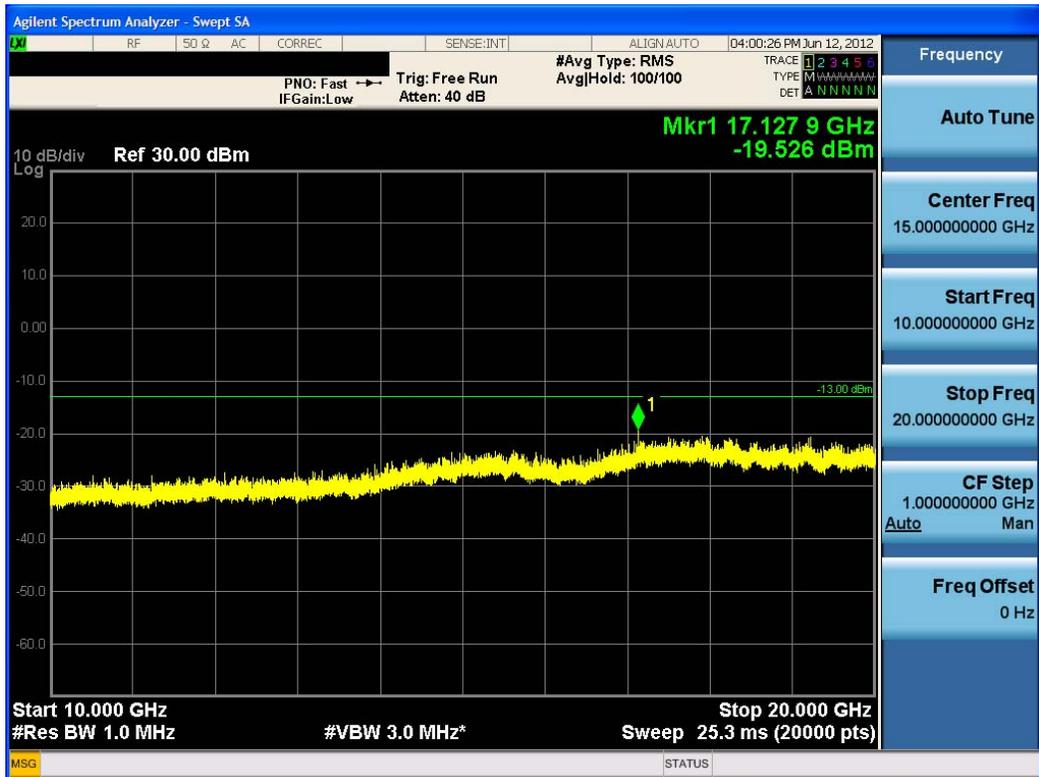


Plot 7-46. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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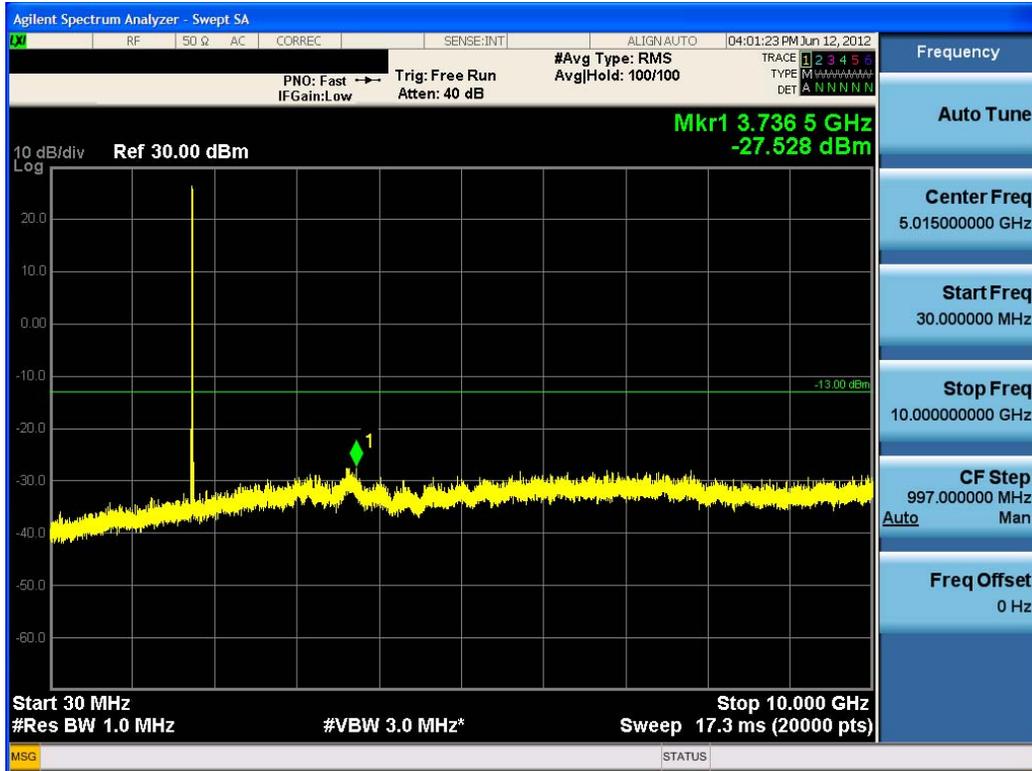


Plot 7-47. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

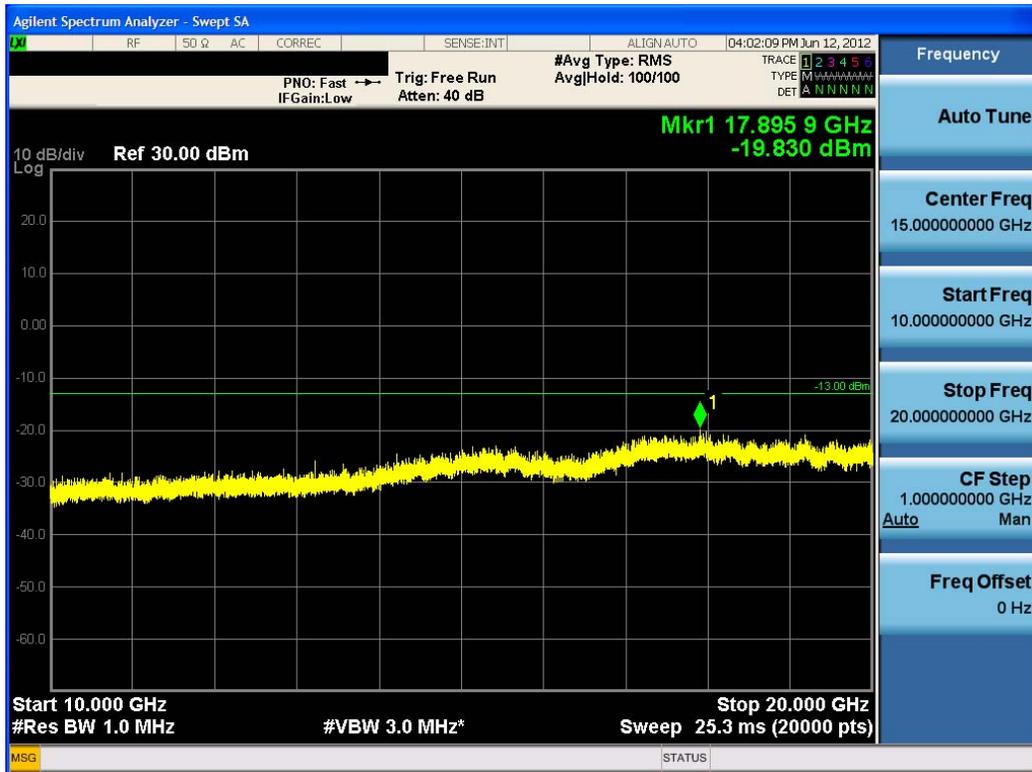


Plot 7-48. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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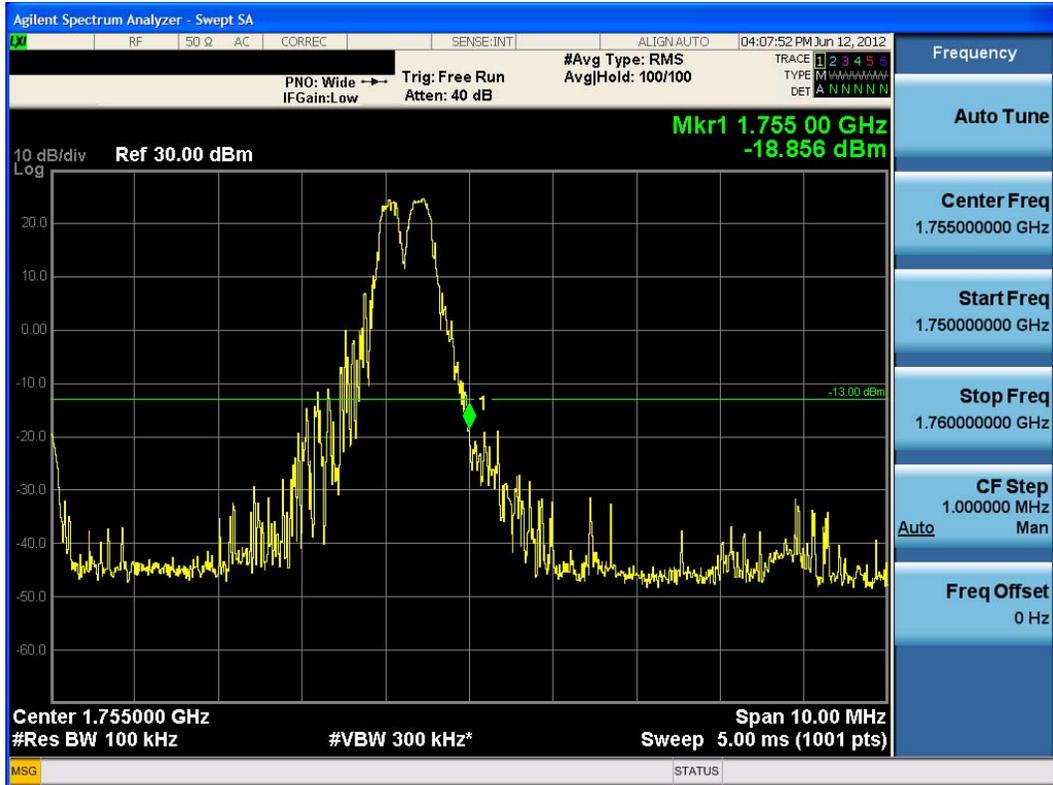


Plot 7-49. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



Plot 7-50. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Plot 7-51. Upper Band Edge Plot (QPSK – RB Size 1, RB Offset 49)



Plot 7-52. Upper Band Edge Plot (QPSK – RB Size 50)

FCC ID: ZNFP870		FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LGE Portable Handset FCC ID: ZNFP870** complies with all the requirements of Parts 2 and 27 of the FCC rules for LTE operation only.

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Test Report S/N: 0Y1206040776.ZNF	Test Dates: 6/12/12 - 7/12/12	EUT Type: Portable Handset		Page 50 of 50