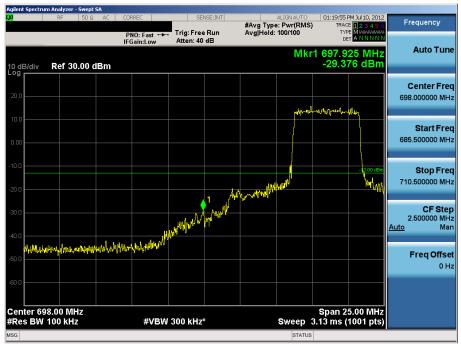


7.0 PLOT(S) OF EMISSIONS

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.



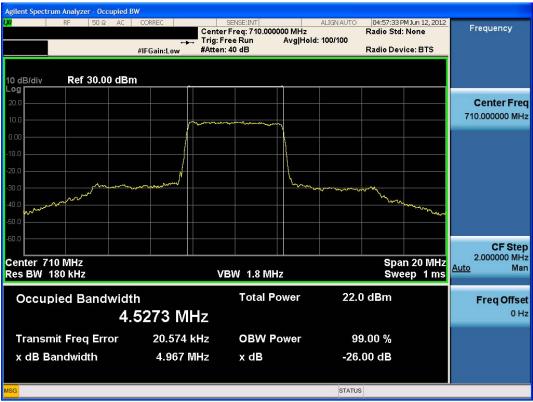
Plot 7-1. Lower Band Edge Plot (QPSK - RB Size 25)



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

FCC ID: ZNFP870	PETEST LEGISLES LABERATERS, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 24 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		raye 24 01 50





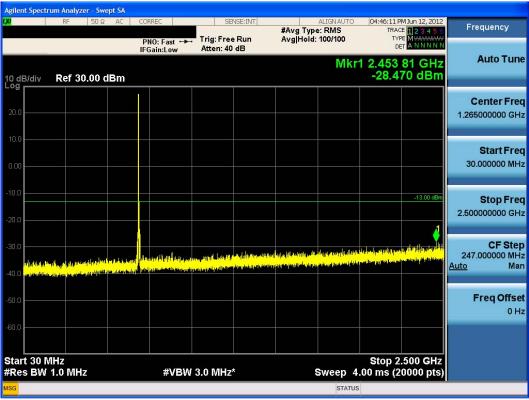
Plot 7-3. Occupied Bandwidth Plot (QPSK – RB Size 25)



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

FCC ID: ZNFP870	PCTEST (NE.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 25 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Fage 25 01 50





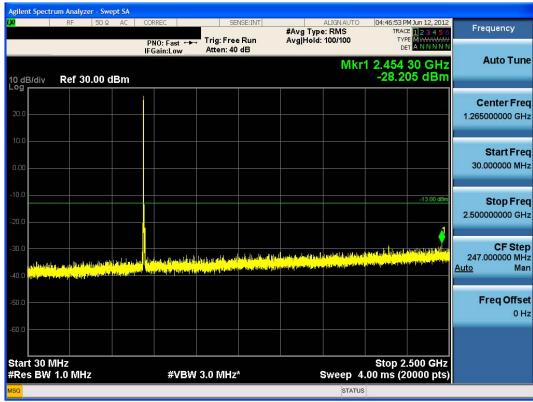
Plot 7-5. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)



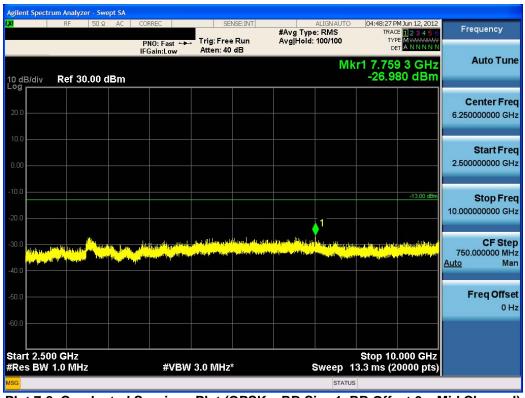
Plot 7-6. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFP870	PCTEST*	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	⊕ LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 26 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 26 01 50





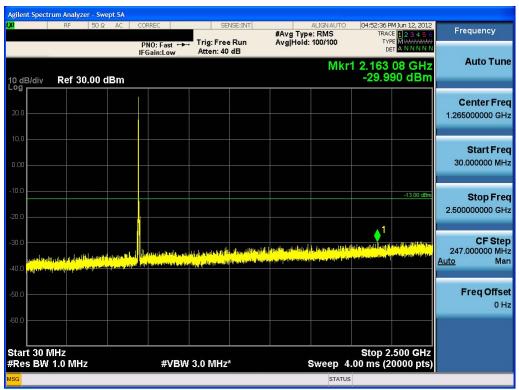
Plot 7-7. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



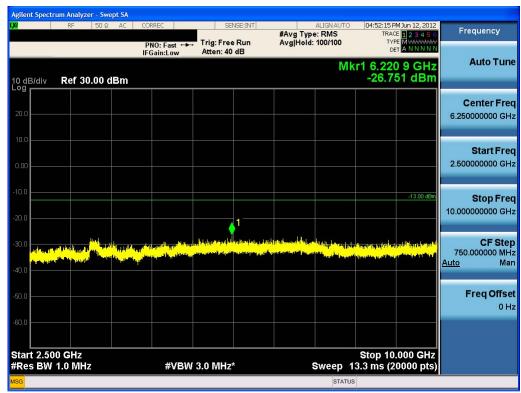
Plot 7-8. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFP870	PCTEST	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 27 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 27 01 30





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	PCTEST TESTINE LABILATERY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 28 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Fage 20 01 30





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

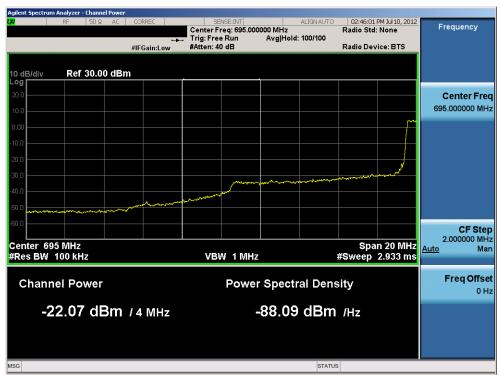


Plot 7-12. Upper Band Edge Plot (QPSK - RB Size 25)

FCC ID: ZNFP870	PETEST*	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 29 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 29 01 50
O COLO DOTEOTE : : :				



BAND 17 - 10 MHZ BW



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



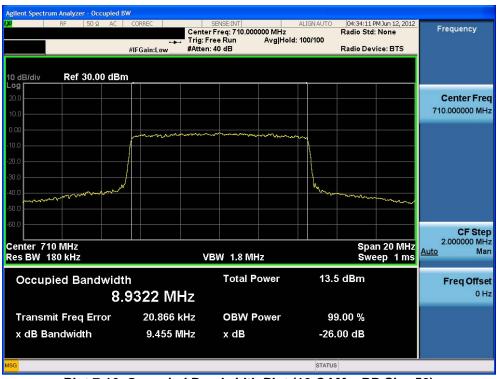
Plot 7-14. Lower Band Edge Plot (QPSK - RB Size 25, RB Offset 0)

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





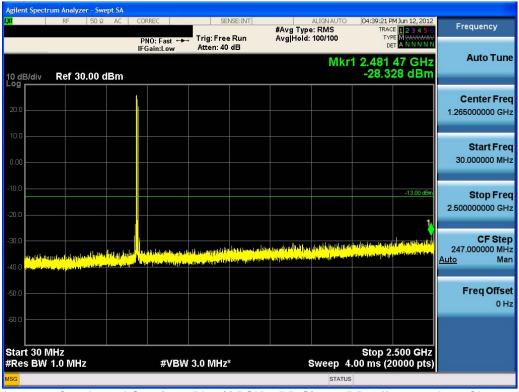
Plot 7-15. Occupied Bandwidth Plot (QPSK - RB Size 50)



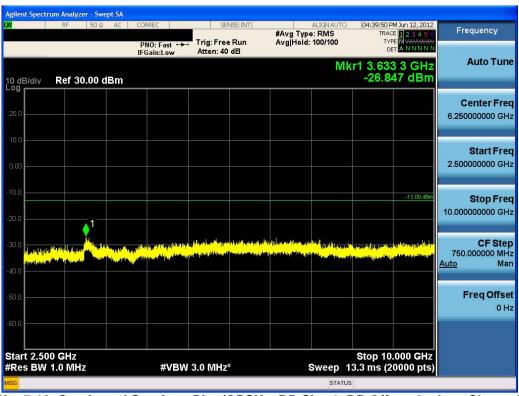
Plot 7-16. Occupied Bandwidth Plot (16-QAM - RB Size 50)

FCC ID: ZNFP870	PCTEST:	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 31 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 31 01 50





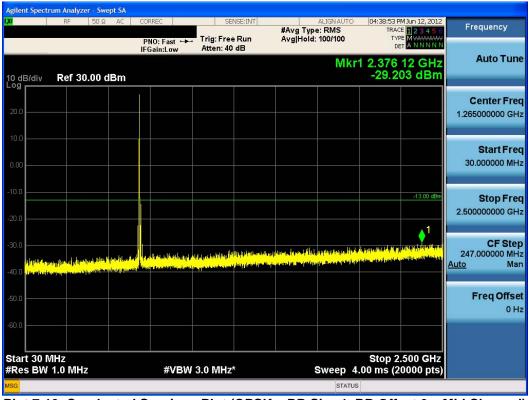
Plot 7-17. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)



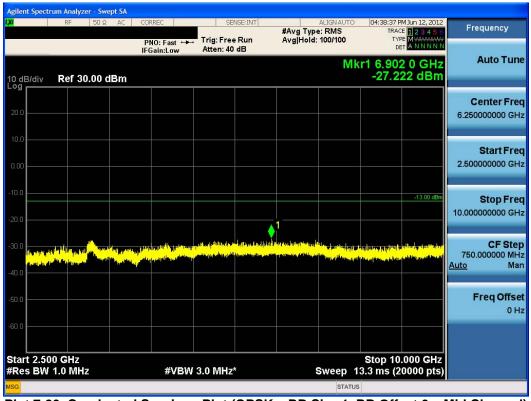
Plot 7-18. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFP870	ENCINEERING LABORATERY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 32 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 32 01 50
© 0040 DOTEOT Facilities	Labaratan, Isa			DEV/4.74V





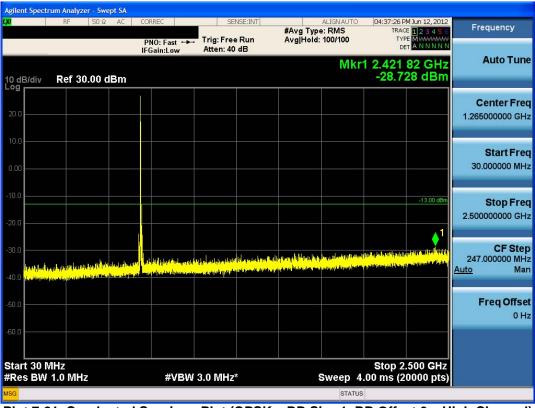
Plot 7-19. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Mid Channel)



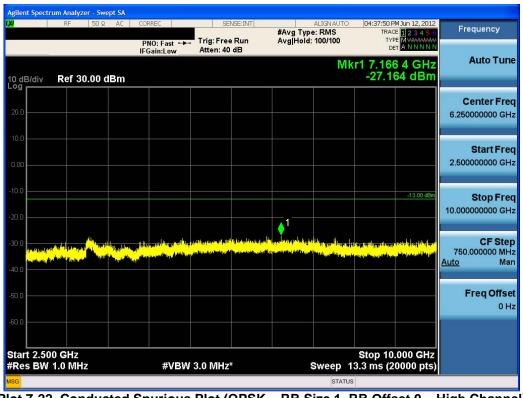
Plot 7-20. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFP870	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 33 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Page 33 01 50





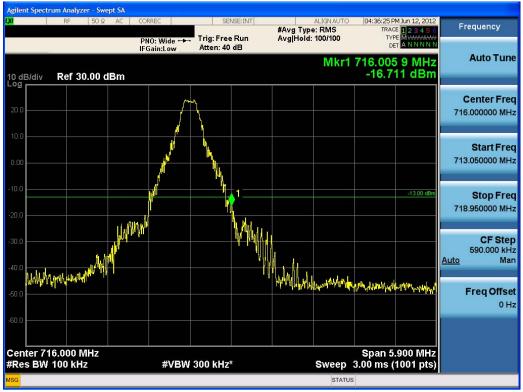
Plot 7-21. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - High Channel)



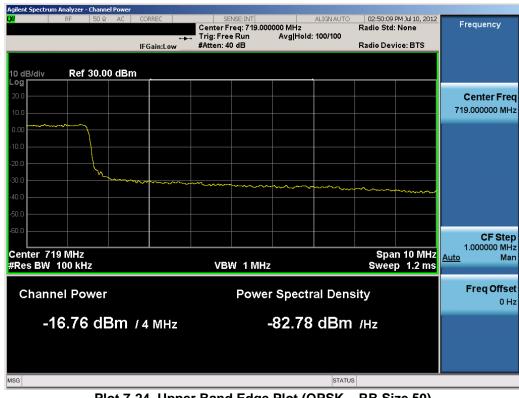
Plot 7-22. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFP870	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 34 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 34 01 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	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 35 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 35 01 50



BAND 4 - 5 MHZ BW



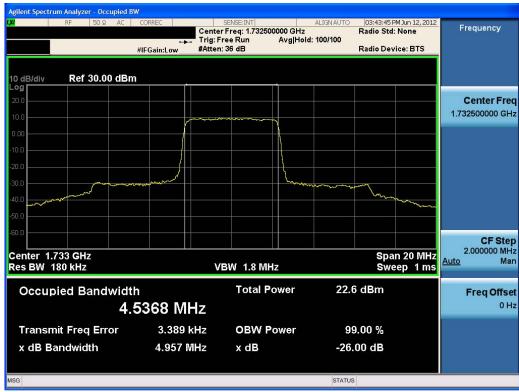
Plot 7-25. Lower Band Edge Plot (QPSK – RB Size 25)



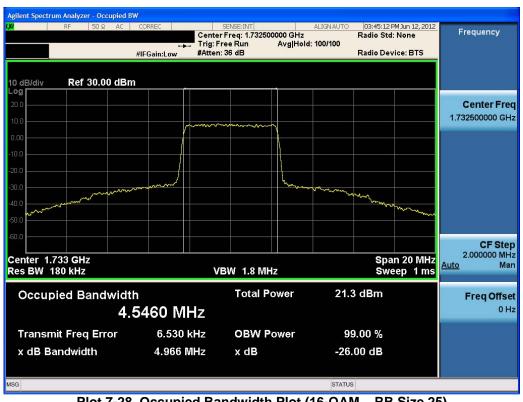
Plot 7-26. Lower Band Edge Plot (QPSK - RB Size 1, Offset 0)

FCC ID: ZNFP870	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 36 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Page 36 01 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	PCTEST*	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 37 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 37 of 50





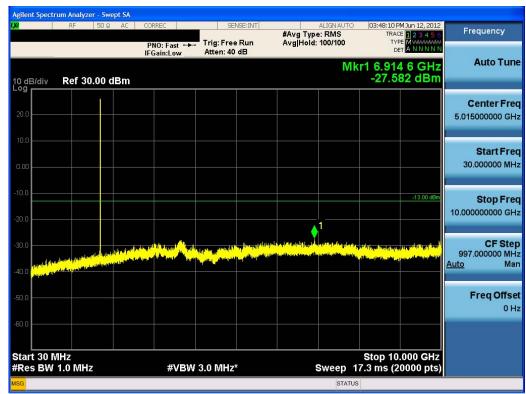
Plot 7-29. Peak to Average Ratio Plot (QPSK - RB Size 25)



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

FCC ID: ZNFP870	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 38 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 36 01 50





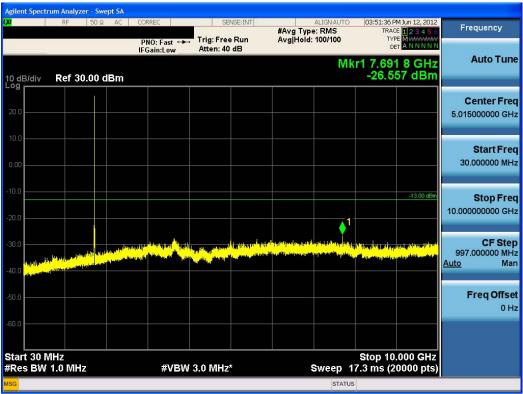
Plot 7-31. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-32. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFP870	PCTEST*	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 39 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 39 01 50





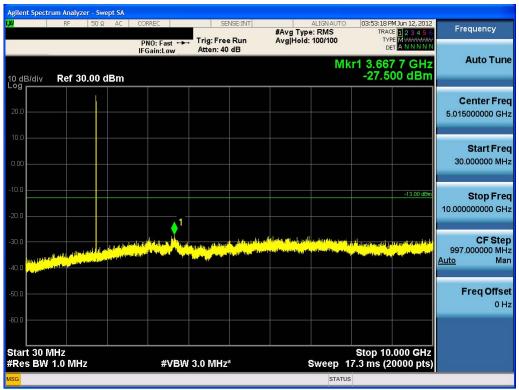
Plot 7-33. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Mid Channel)



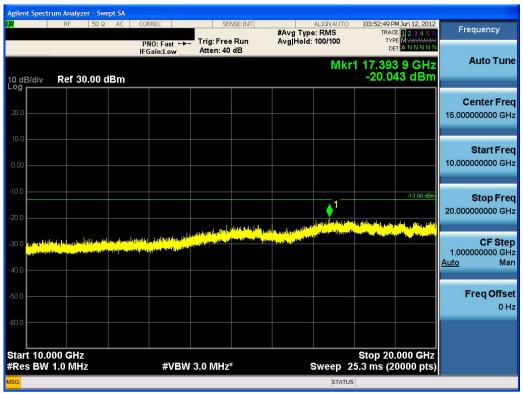
Plot 7-34. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 24 - Mid Channel)

FCC ID: ZNFP870	ENGINEERANG LABBATERS, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 40 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Page 40 of 50
O 0040 DOTEOT F	1 4 1	·	DEV. 4 = 4 V





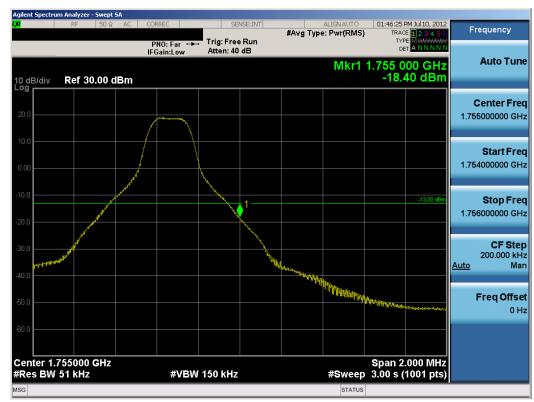
Plot 7-35. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 24 – High Channel)



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

FCC ID: ZNFP870	PCTEST LESSING LABBRATERY, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 41 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Faye 41 01 50





Plot 7-37. Upper Band Edge Plot (QPSK - RB Size 1, Offset 24)



Plot 7-38. Upper Band Edge Plot (QPSK - RB Size 25)

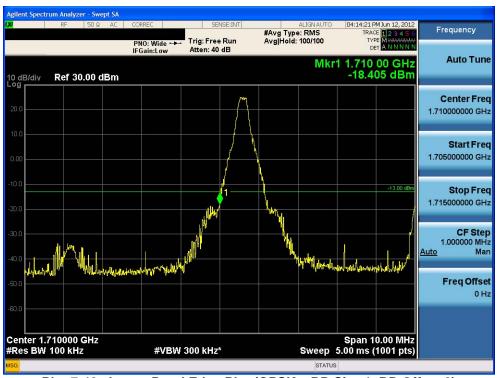
FCC ID: ZNFP870	PCTEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	<u>L</u> G	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 42 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 42 01 50



BAND 4 - 10 MHZ BW



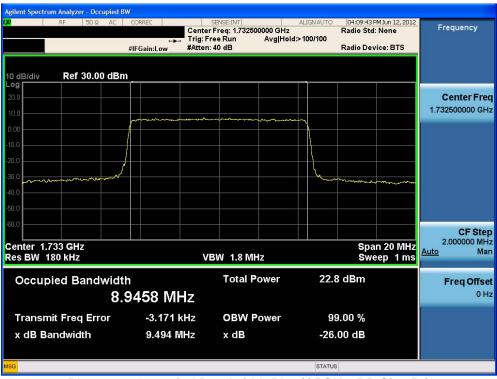
Plot 7-39. Lower Band Edge Plot (QPSK – RB Size 50)



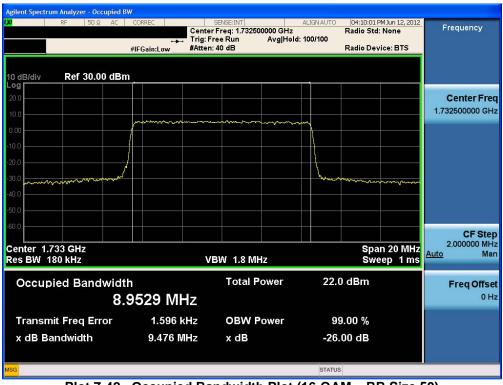
Plot 7-40. Lower Band Edge Plot (QPSK – RB Size 1, RB Offset 0)

FCC ID: ZNFP870	ENGINEERANG LABBATERS, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 43 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 43 01 50
C COLLO DOTEOTE : : !				DE\





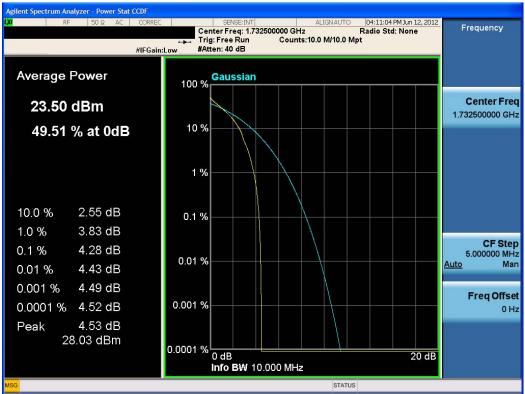
Plot 7-41. Occupied Bandwidth Plot (QPSK - RB Size 50)



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

FCC ID: ZNFP870	PETEST:	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 44 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 44 01 50
C COLLO DOTEOTE : : !				DE\





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	PETEST:	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 45 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 45 01 50
C COLLO DOTEOTE : : !				DE: / 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4



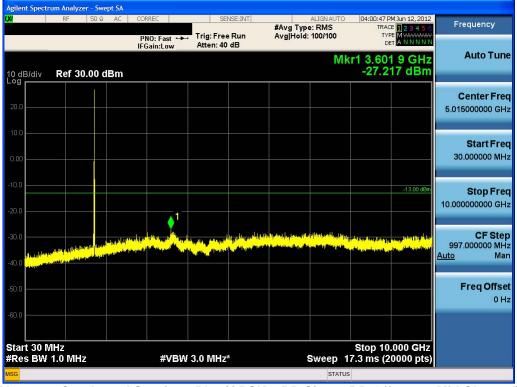


Plot 7-45. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - Low Channel)

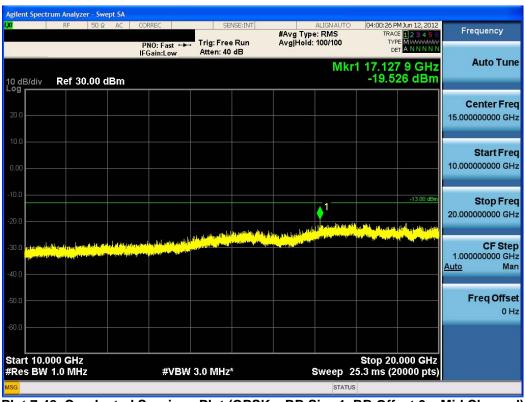


FCC ID: ZNFP870	PETEST'	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 46 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 46 01 50





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



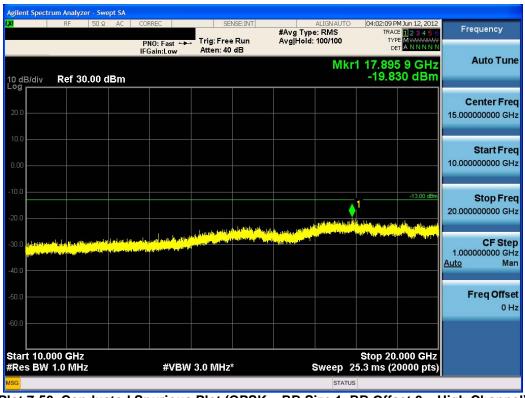
Plot 7-48. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFP870	ENGINEERING LABORATURE, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 47 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Page 47 01 50
@ 0040 DOTEOT Facilities	Laborates. Inc.			DEV/4.74V





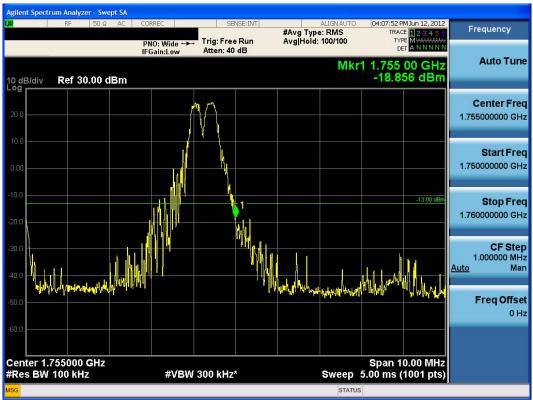
Plot 7-49. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - High Channel)



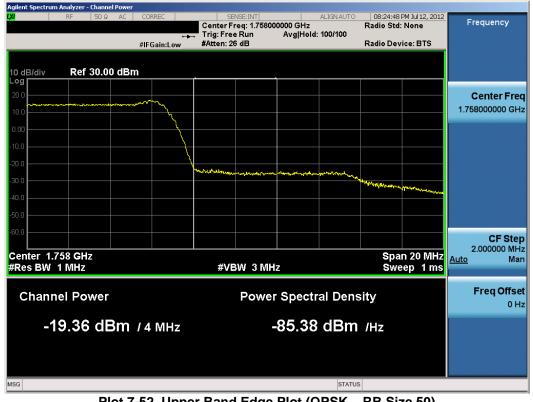
Plot 7-50. Conducted Spurious Plot (QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFP870	PETEST:	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	① LG	Reviewed by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 48 of 50	
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset		Fage 46 01 50	
8 0040 POTEOT Fundamental about and the					





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	PCTEST LABORATER, INC.	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 49 of 50	
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset			



CONCLUSION 8.0

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.

FCC ID: ZNFP870	PCTEST:	FCC Pt. 27 LTE MEASUREMENT REPORT (CERTIFICATION)	Reviewed by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 50 of 50
0Y1206040776.ZNF	6/12/12 - 7/12/12	Portable Handset	Fage 30 01 30