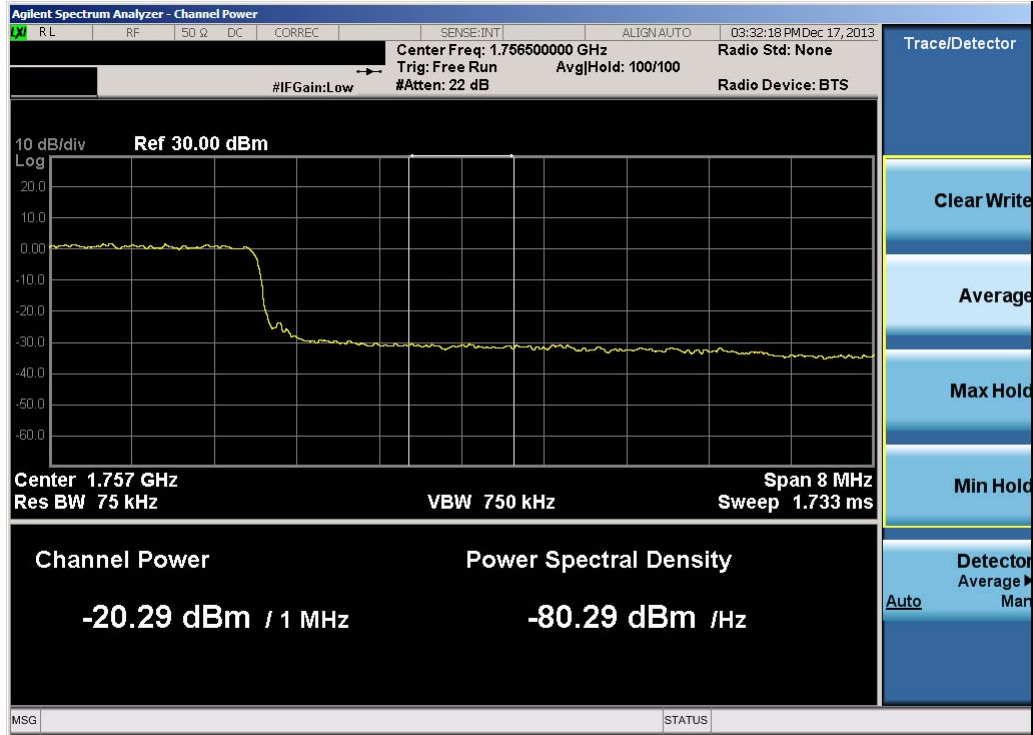


Plot 9-34. Conducted Spurious Plot (10.0MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

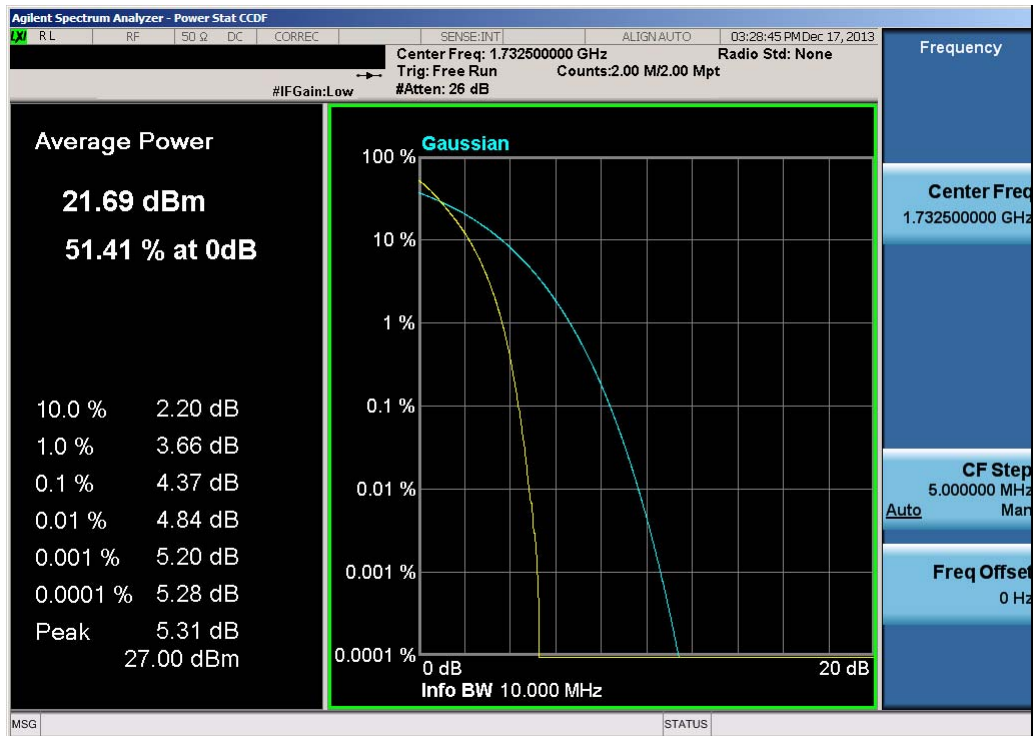


Plot 9-35. Upper Band Edge Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 75 of 114

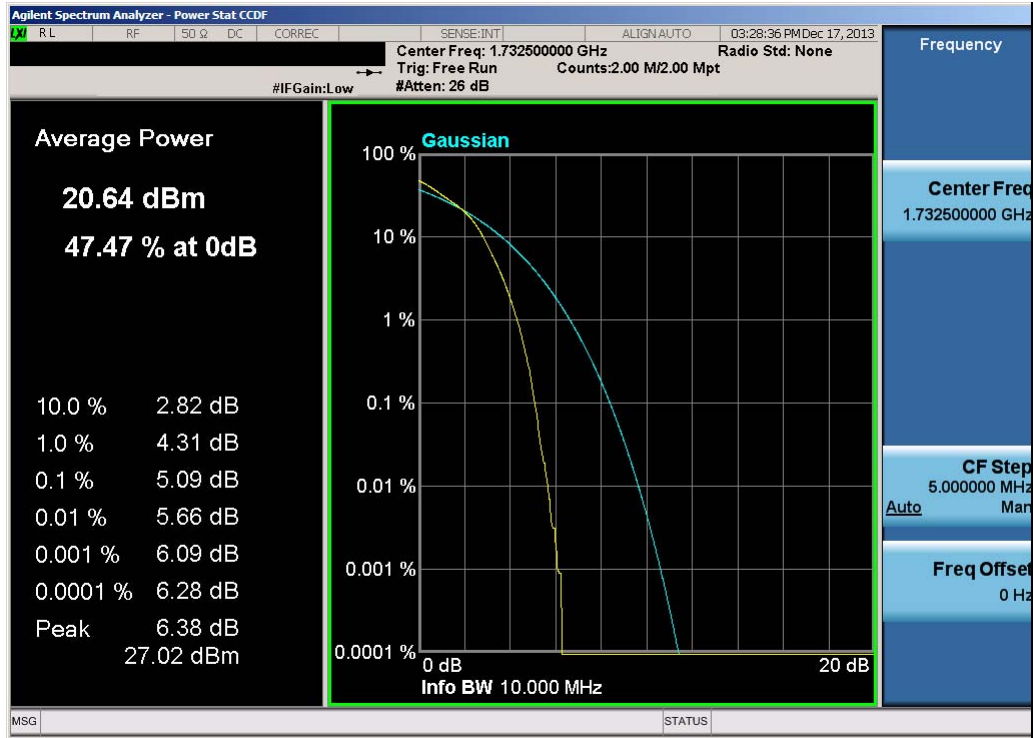


Plot 9-36. Upper Extended Band Edge Plot (10.0MHz QPSK – RB Size 50)

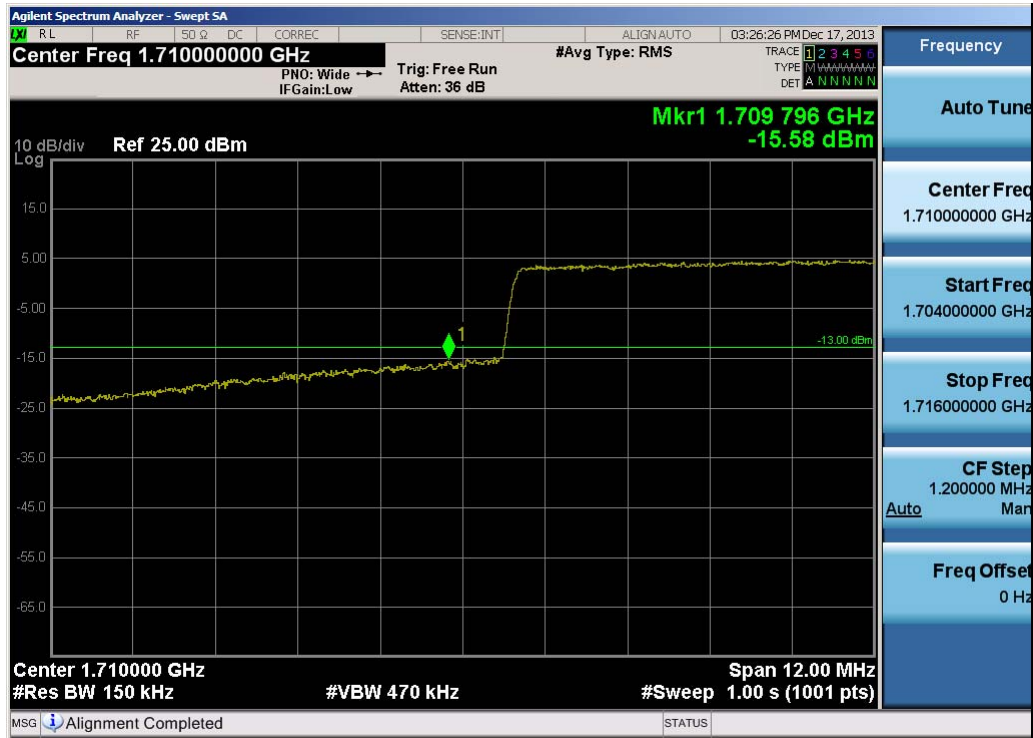


Plot 9-37. PAR Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 76 of 114

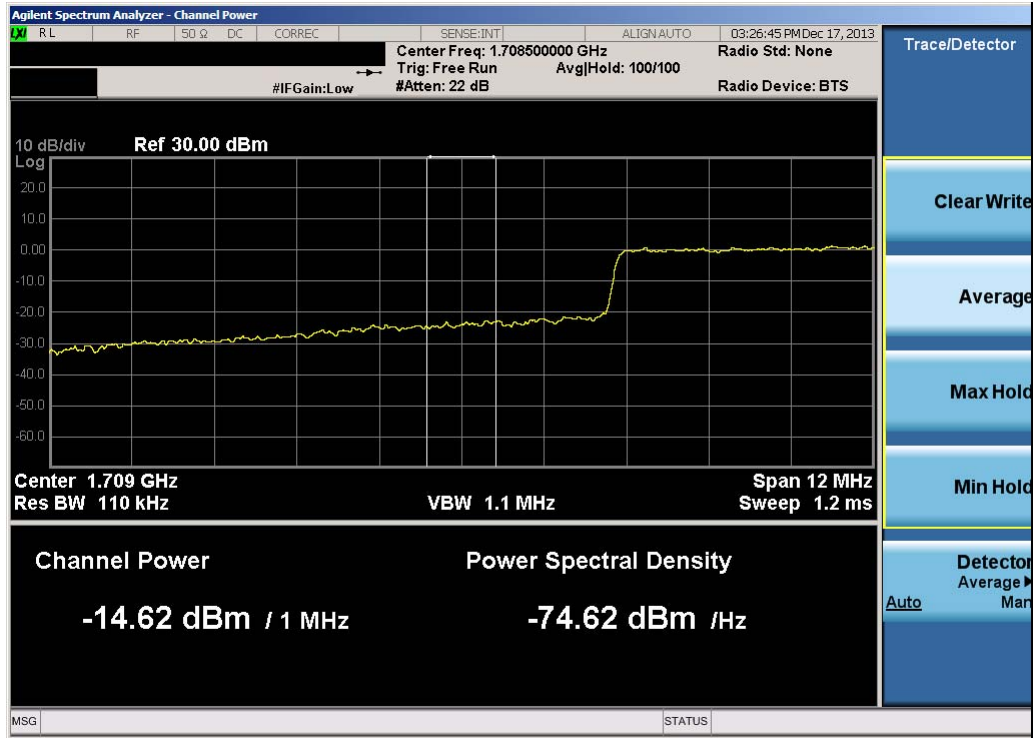


Plot 9-38. PAR Plot (10.0MHz 16-QAM – RB Size 50)



Plot 9-39. Lower Band Edge Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 77 of 114

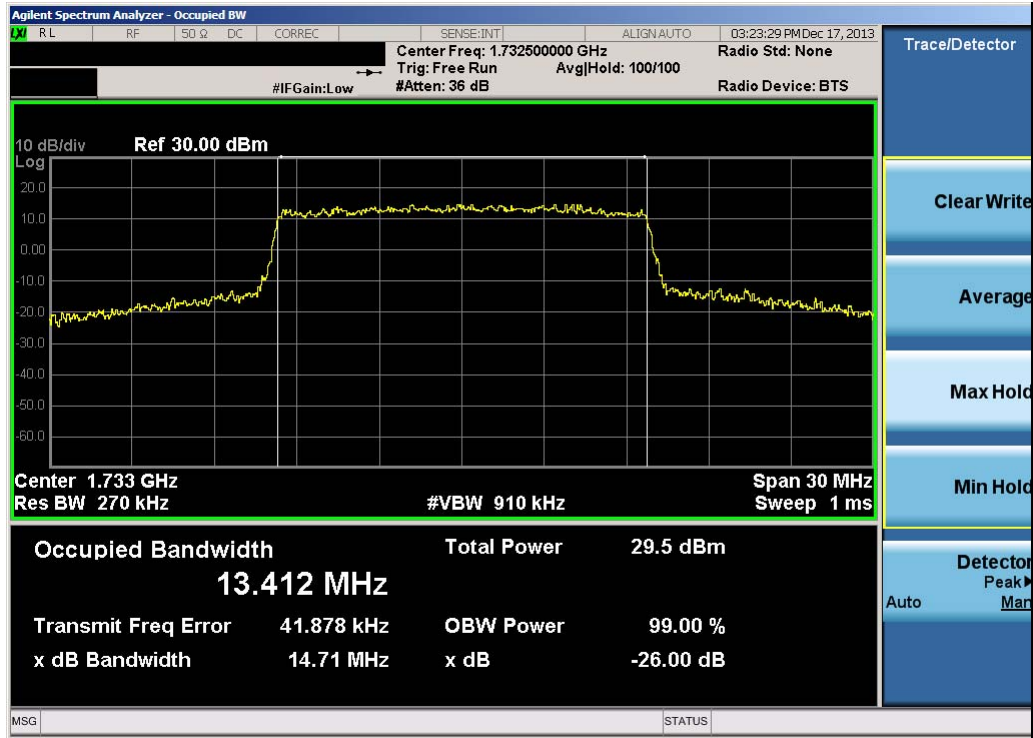


Plot 9-40. Lower Extended Band Edge Plot (15.0MHz QPSK – RB Size 75)

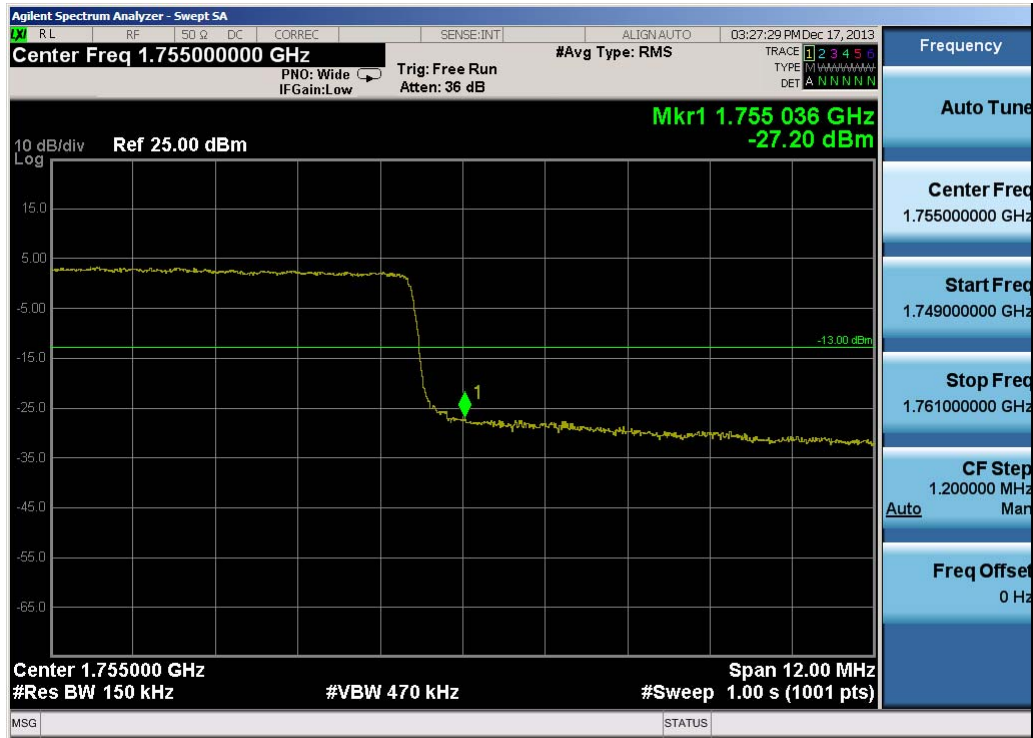


Plot 9-41. Occupied Bandwidth Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 78 of 114

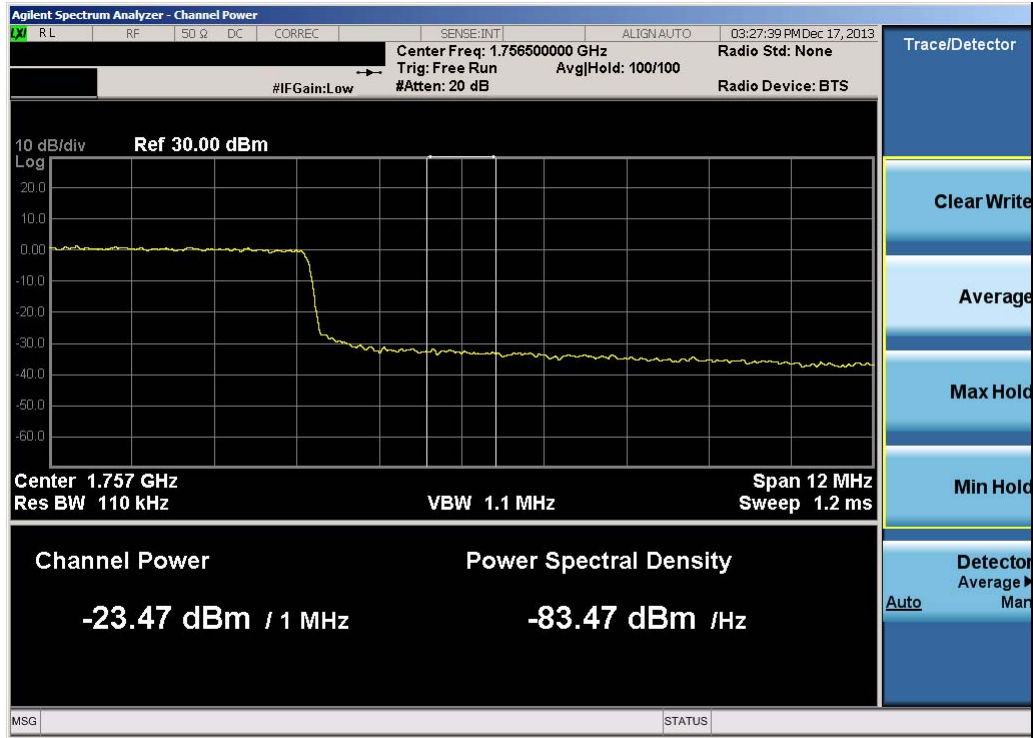


Plot 9-42. Occupied Bandwidth Plot (15.0MHz 16-QAM – RB Size 75)

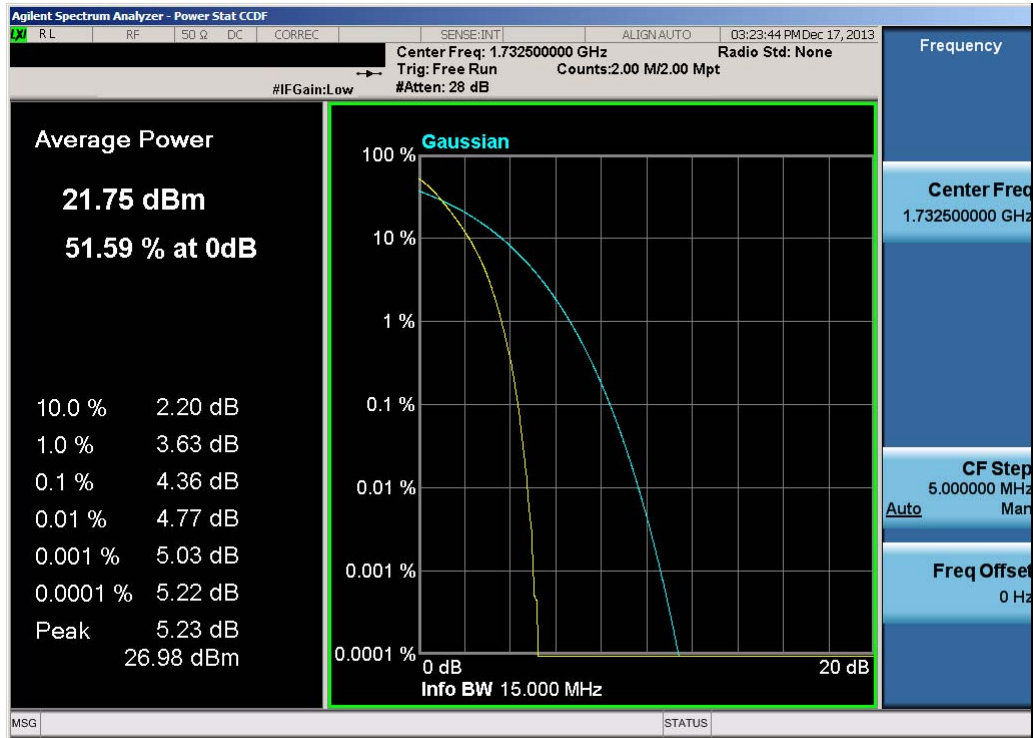


Plot 9-43. Upper Band Edge Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 79 of 114

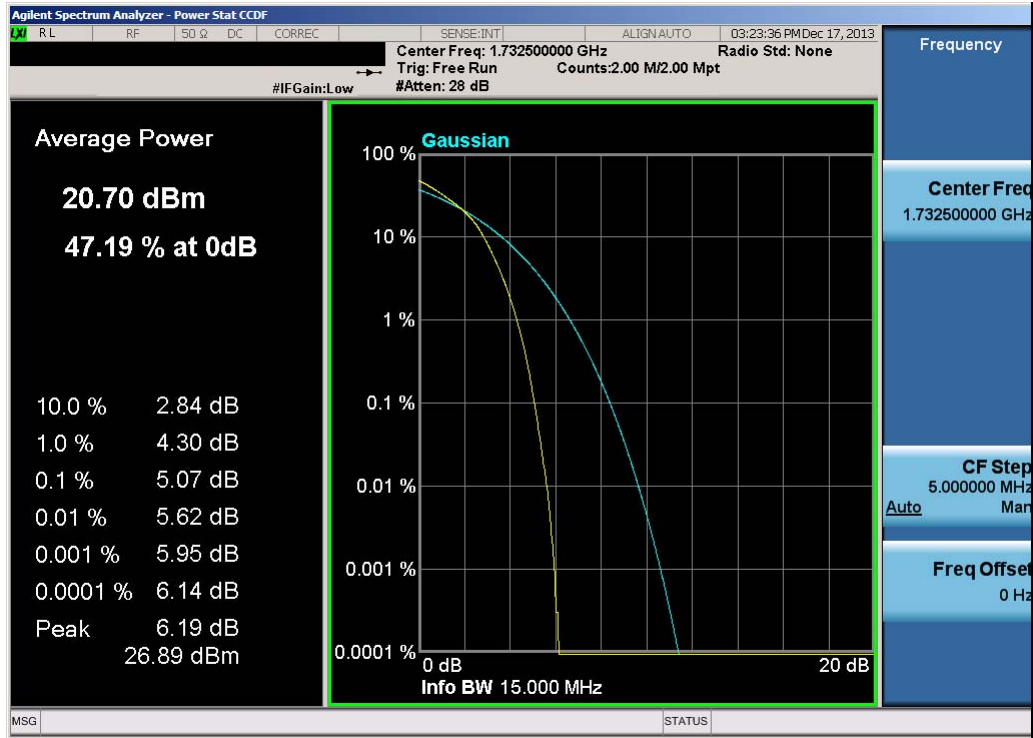


Plot 9-44. Upper Extended Band Edge Plot (15.0MHz QPSK – RB Size 75)

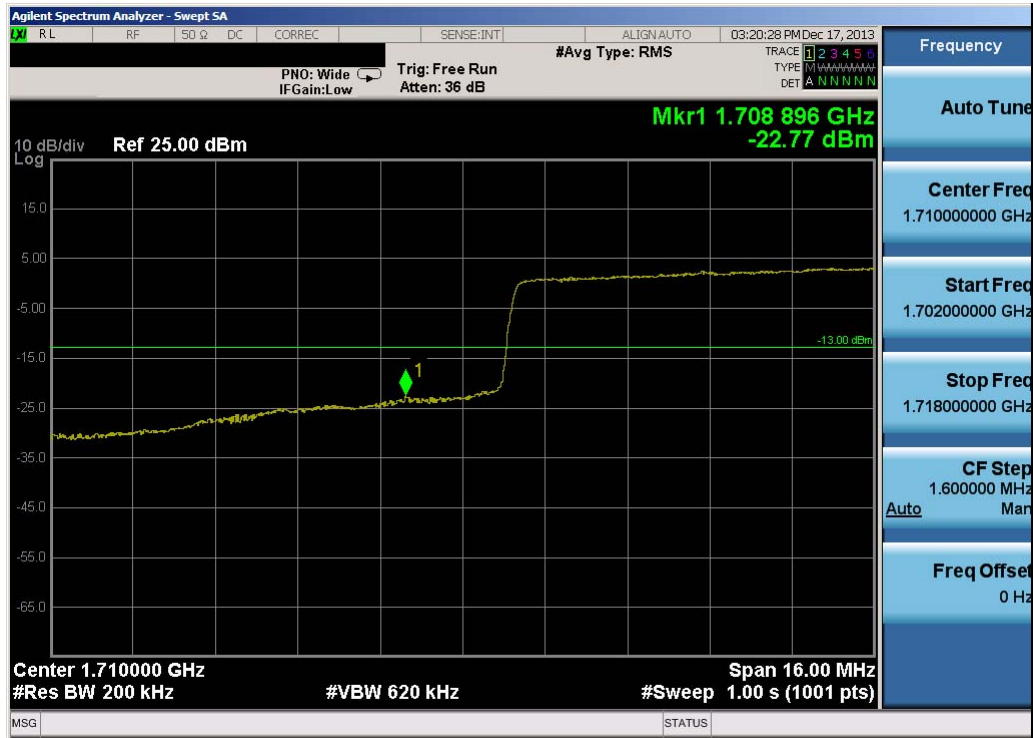


Plot 9-45. PAR Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 80 of 114

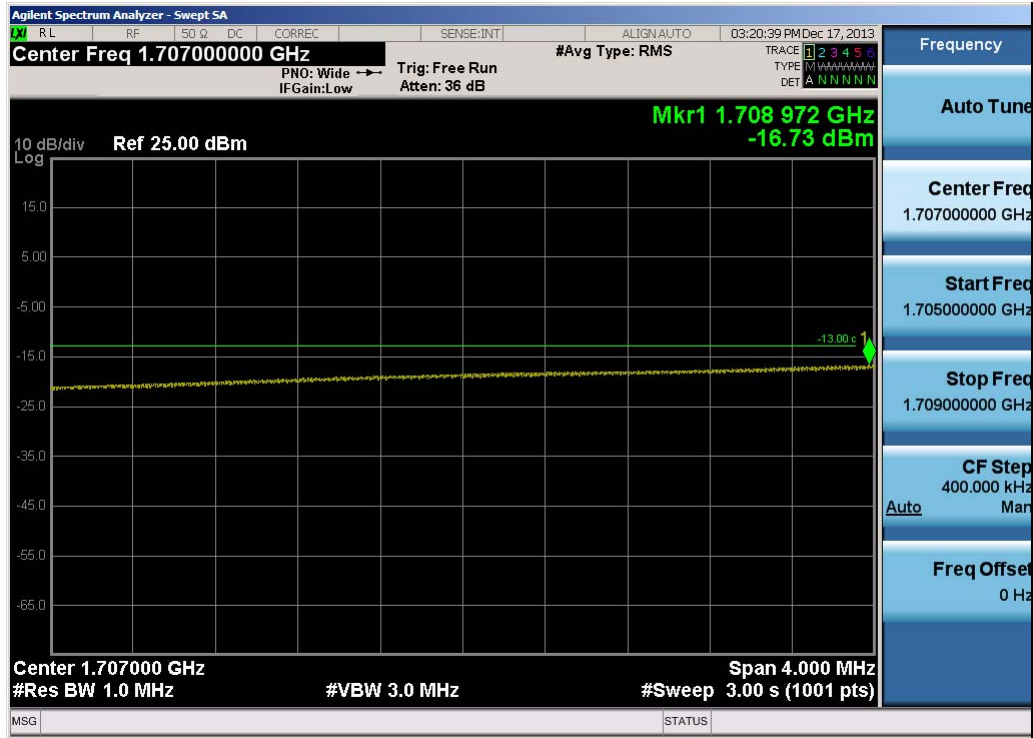


Plot 9-46. PAR Plot (15.0MHz 16-QAM – RB Size 75)

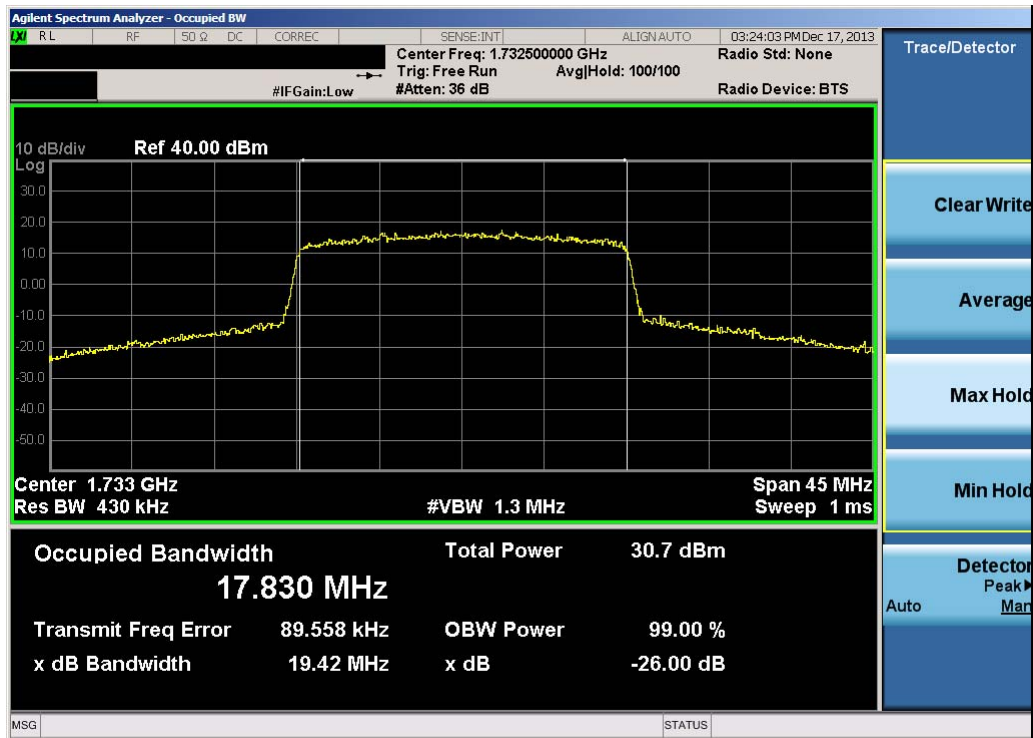


Plot 9-47. Lower Band Edge Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 81 of 114

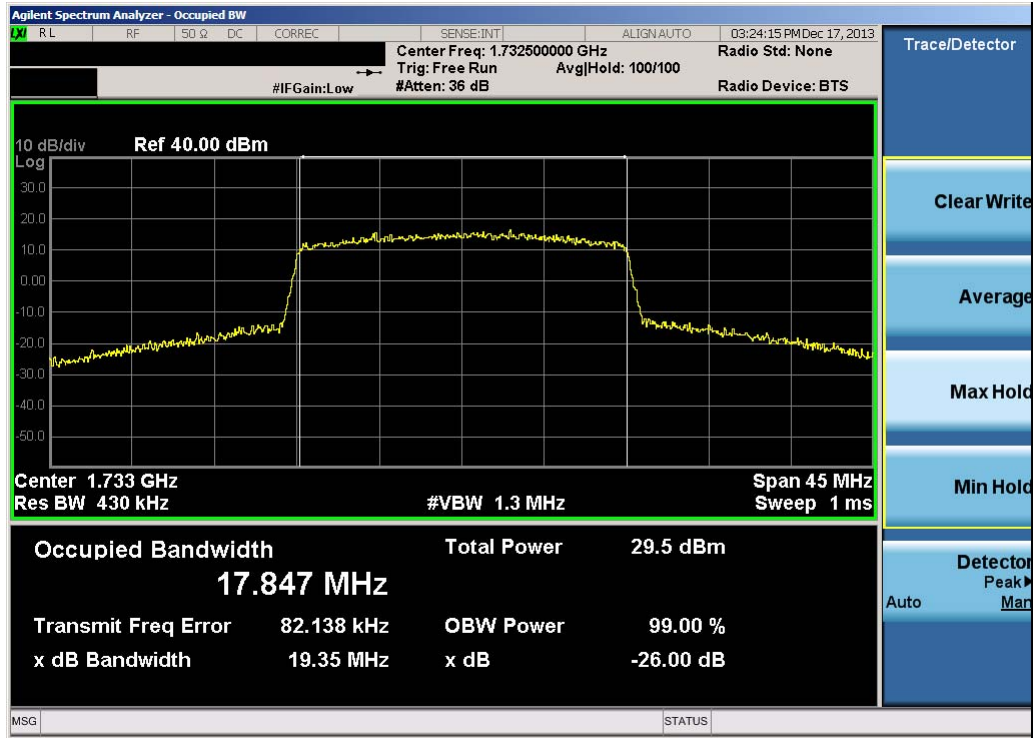


Plot 9-48. Lower Extended Band Edge Plot (20.0MHz QPSK – RB Size 100)

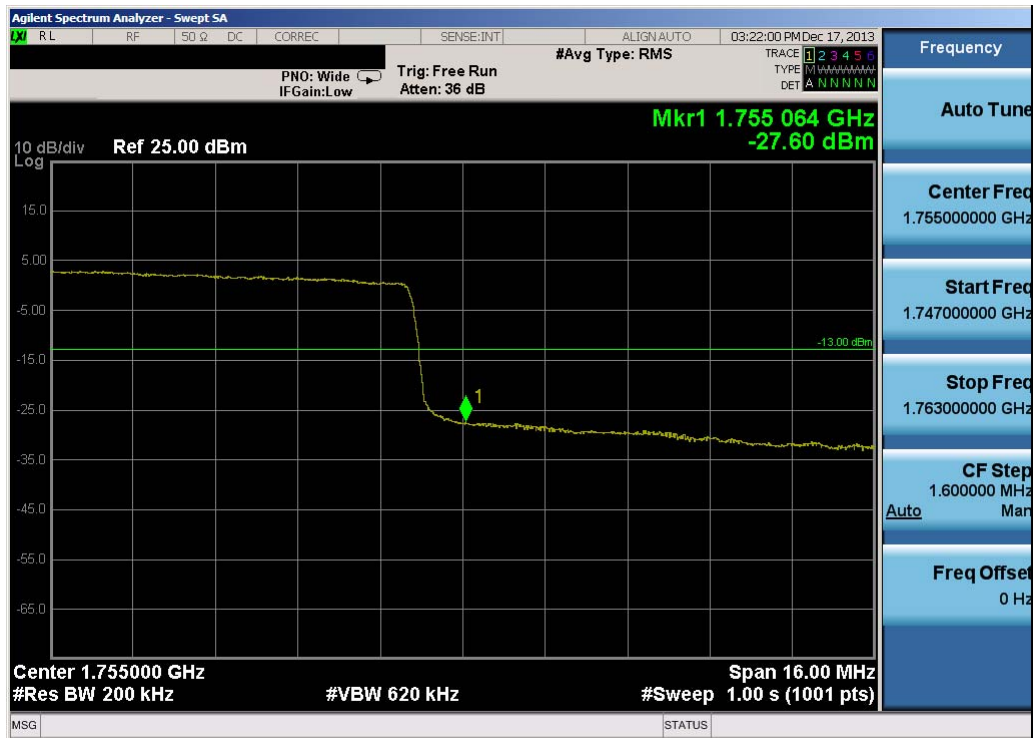


Plot 9-49. Occupied Bandwidth Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 82 of 114

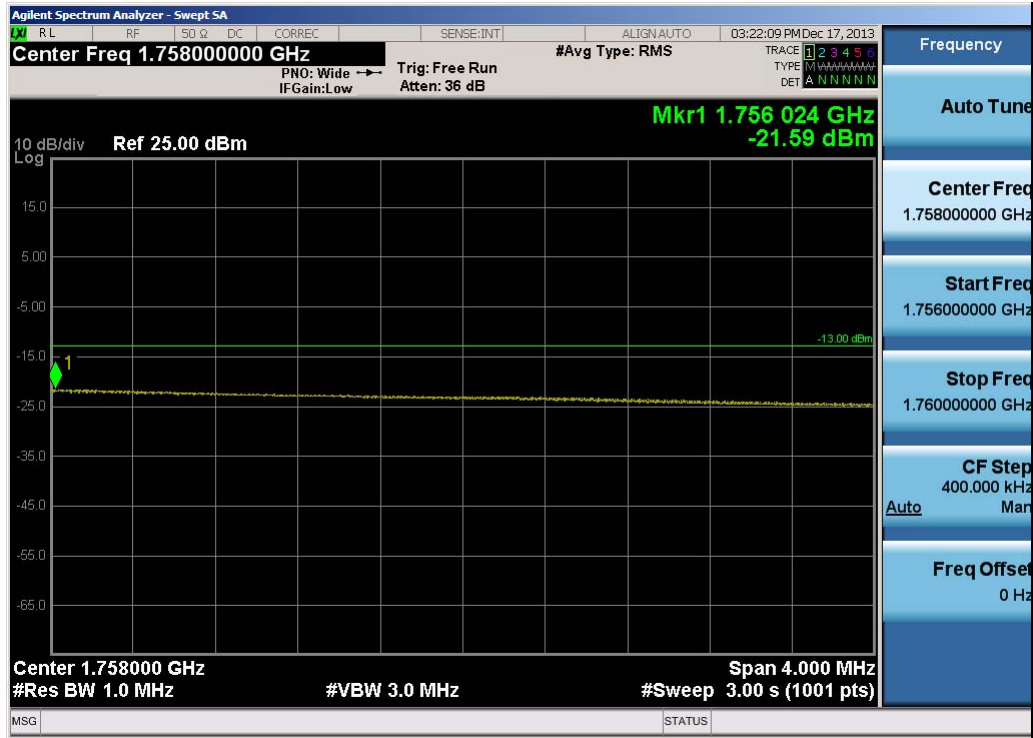


Plot 9-50. Occupied Bandwidth Plot (20.0MHz 16-QAM – RB Size 100)

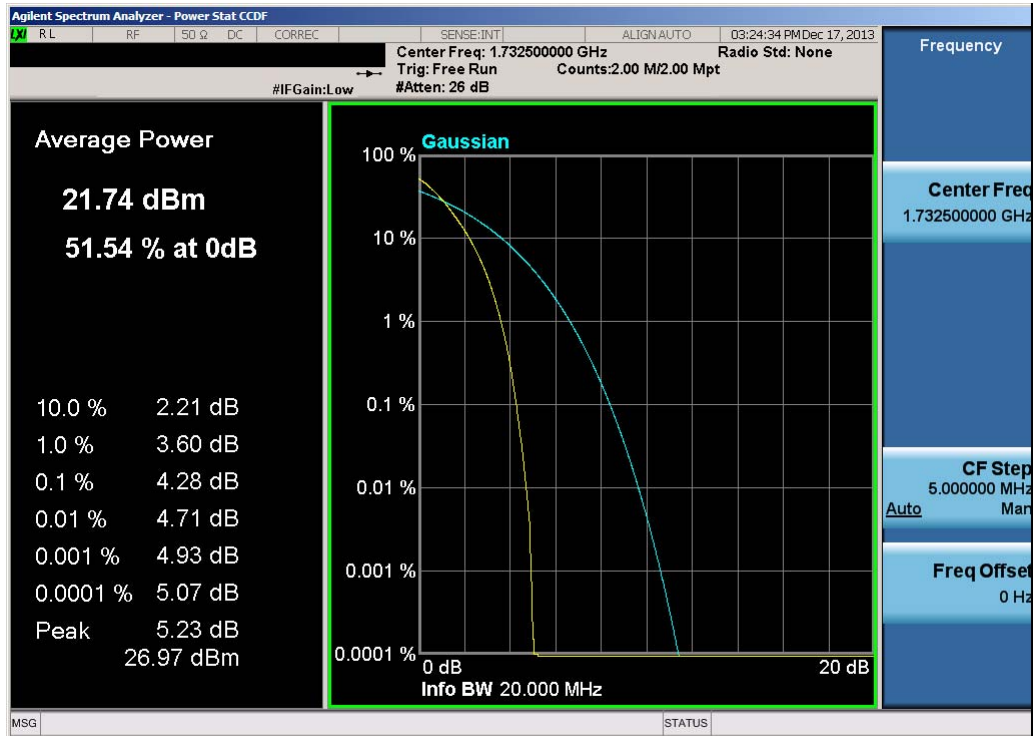


Plot 9-51. Upper Band Edge Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 83 of 114

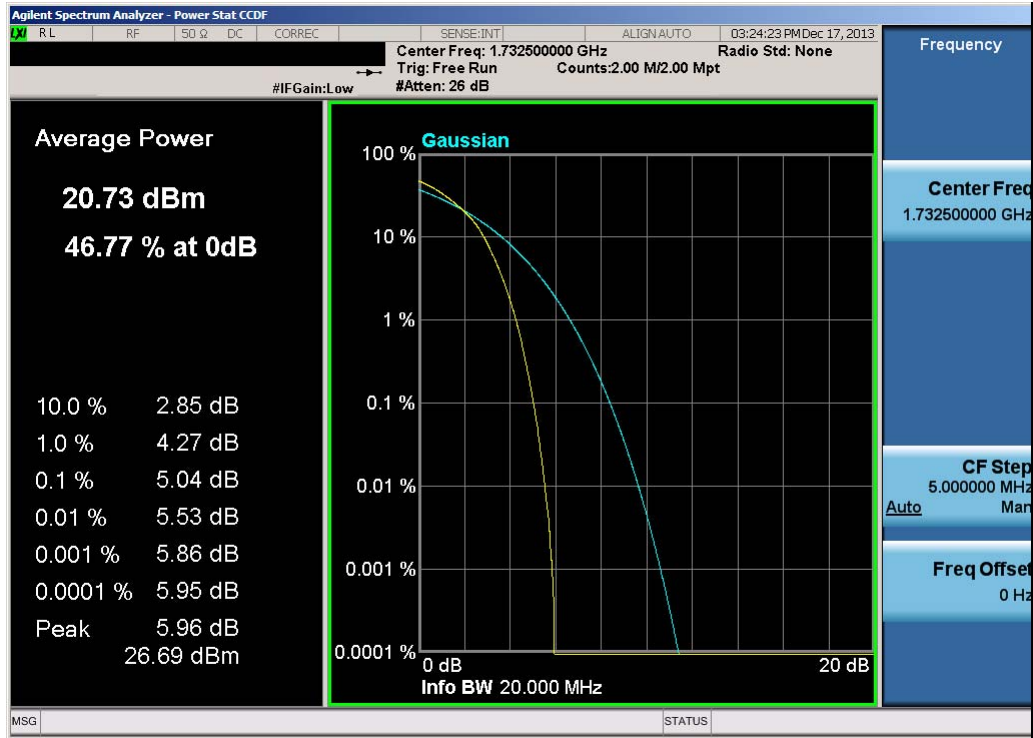


Plot 9-52. Upper Extended Band Edge Plot (20.0MHz QPSK – RB Size 100)



Plot 9-53. PAR Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 84 of 114



Plot 9-54. PAR Plot (20.0MHz 16-QAM - RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 85 of 114

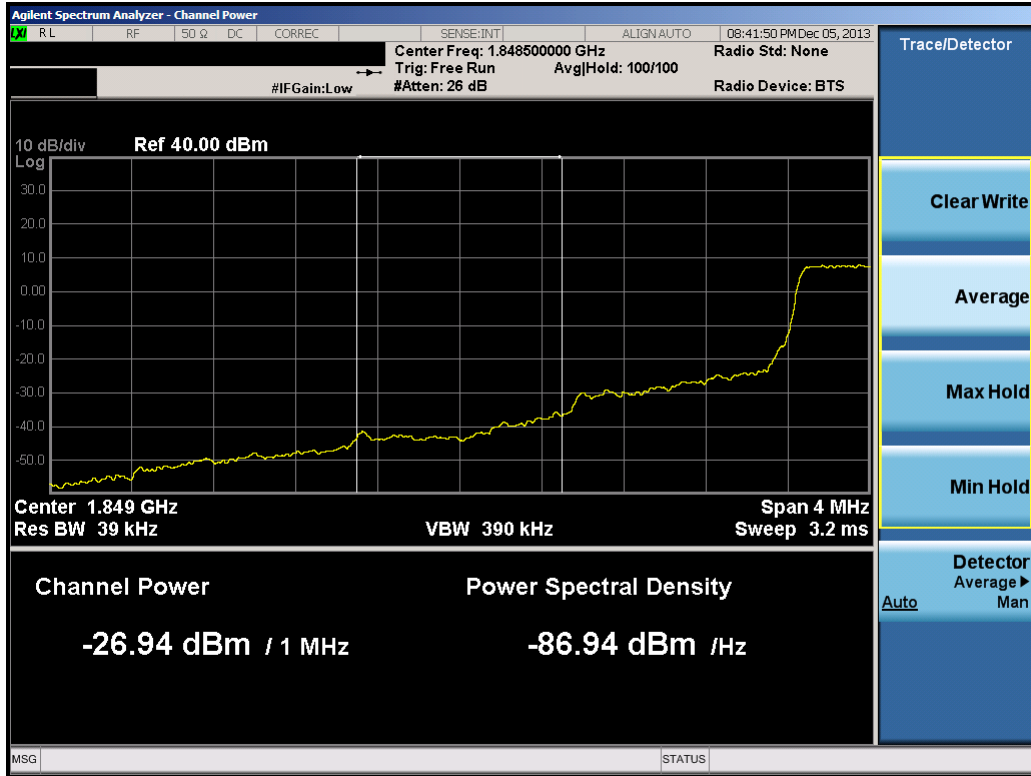
10.0 BAND 2 PLOTS OF EMISSIONS

Note: All bandwidths, RB configurations, and modulations were investigated. The worst case test results are reported below.

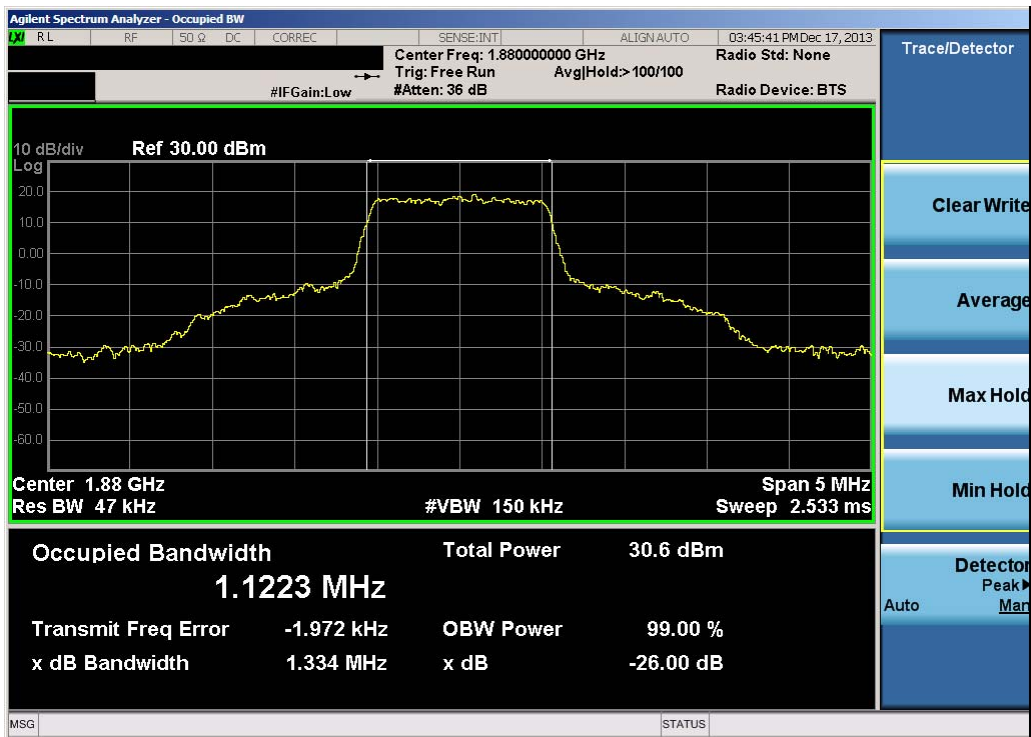


Plot 10-1. Lower Band Edge Plot (1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 86 of 114



Plot 10-2. Lower Extended Band Edge Plot (1.4MHz QPSK – RB Size 6)

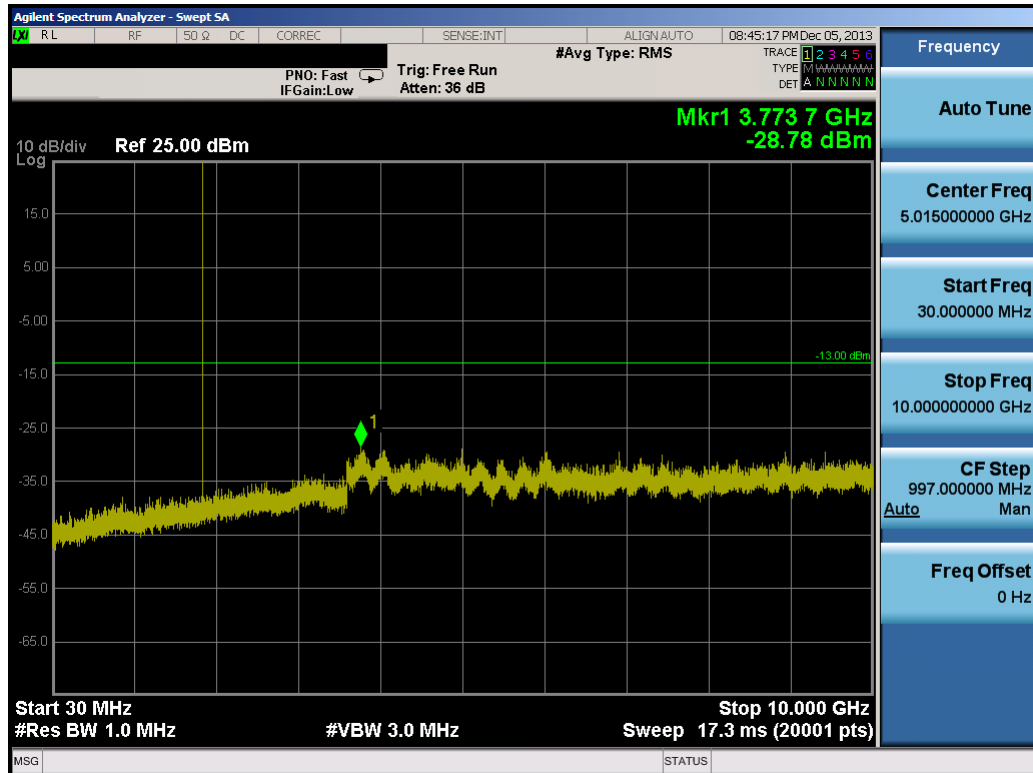


Plot 10-3. Occupied Bandwidth Plot (1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 87 of 114

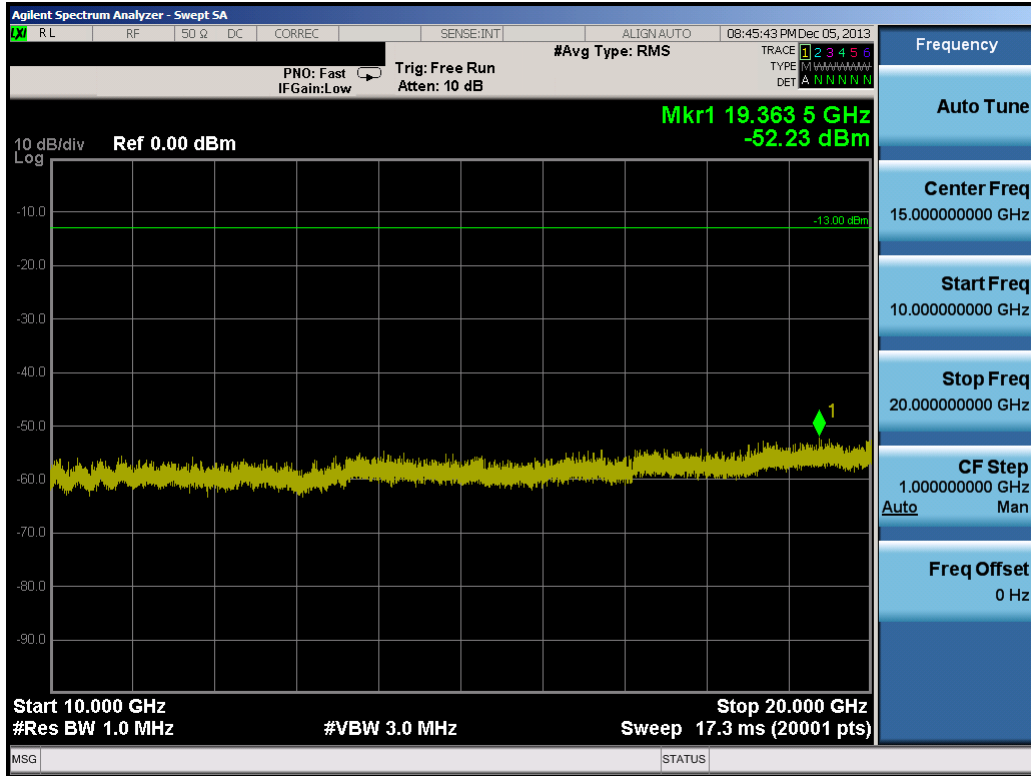


Plot 10-4. Occupied Bandwidth Plot (1.4MHz 16-QAM – RB Size 6)

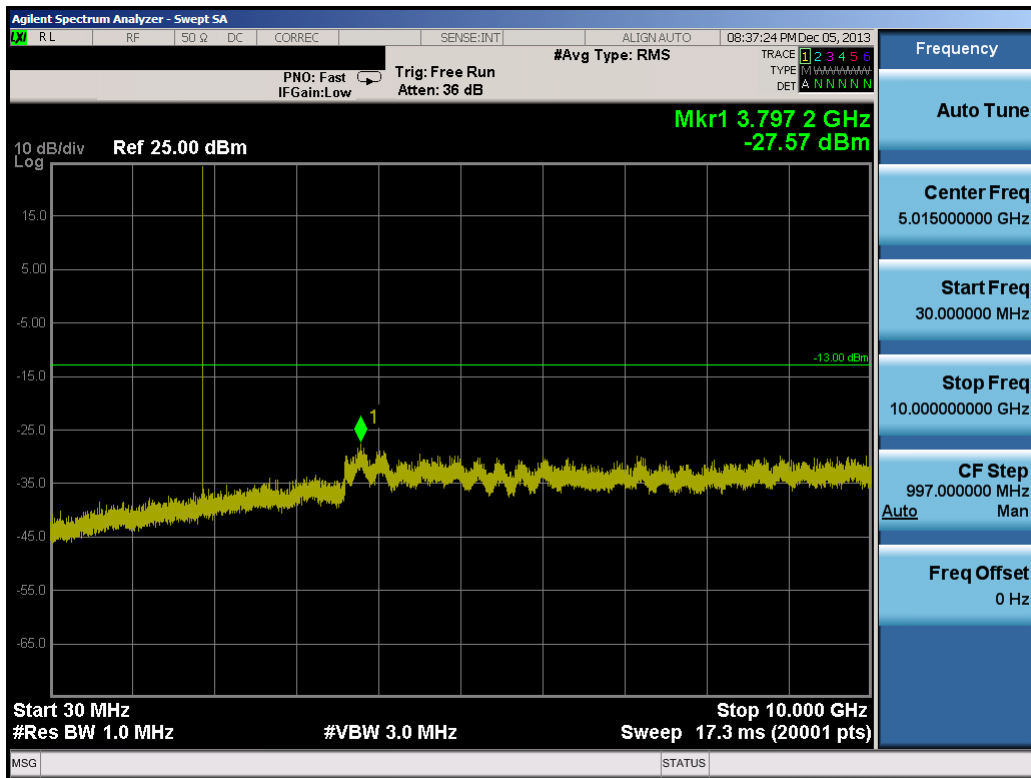


Plot 10-5. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 88 of 114

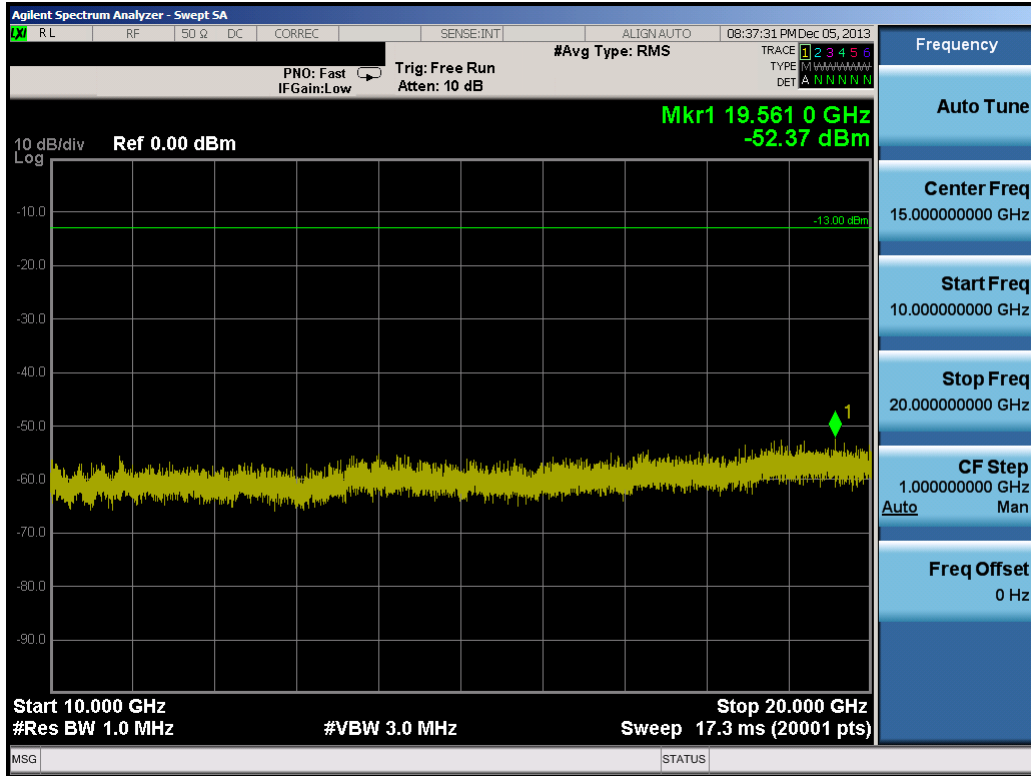


Plot 10-6. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

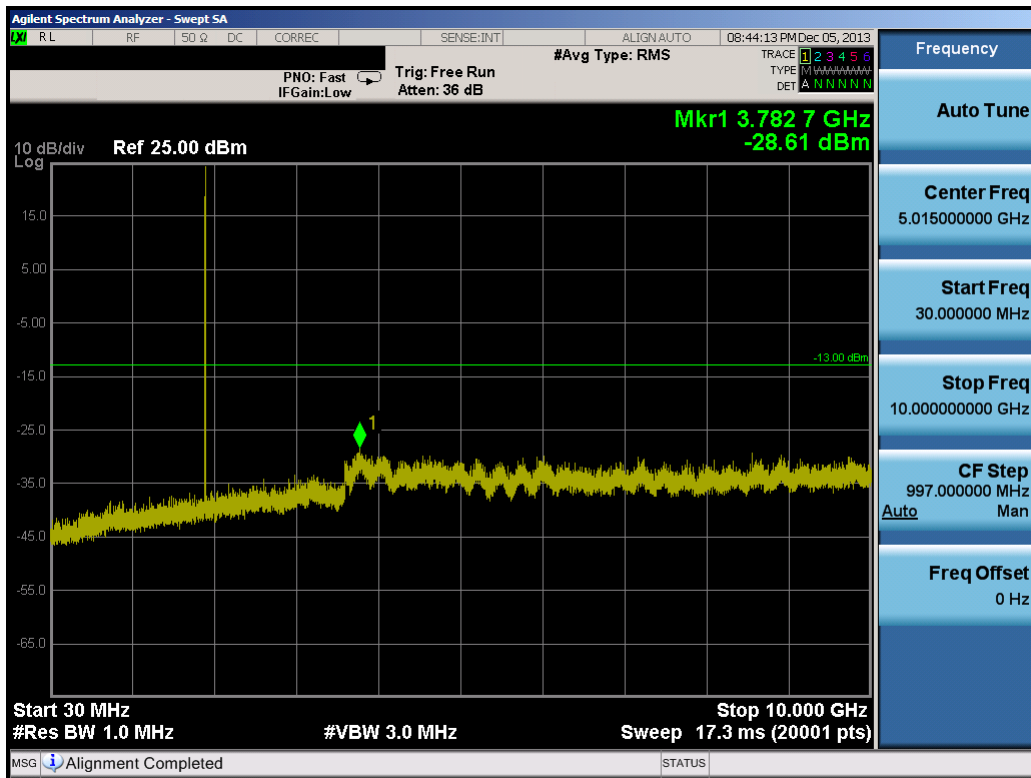


Plot 10-7. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 89 of 114

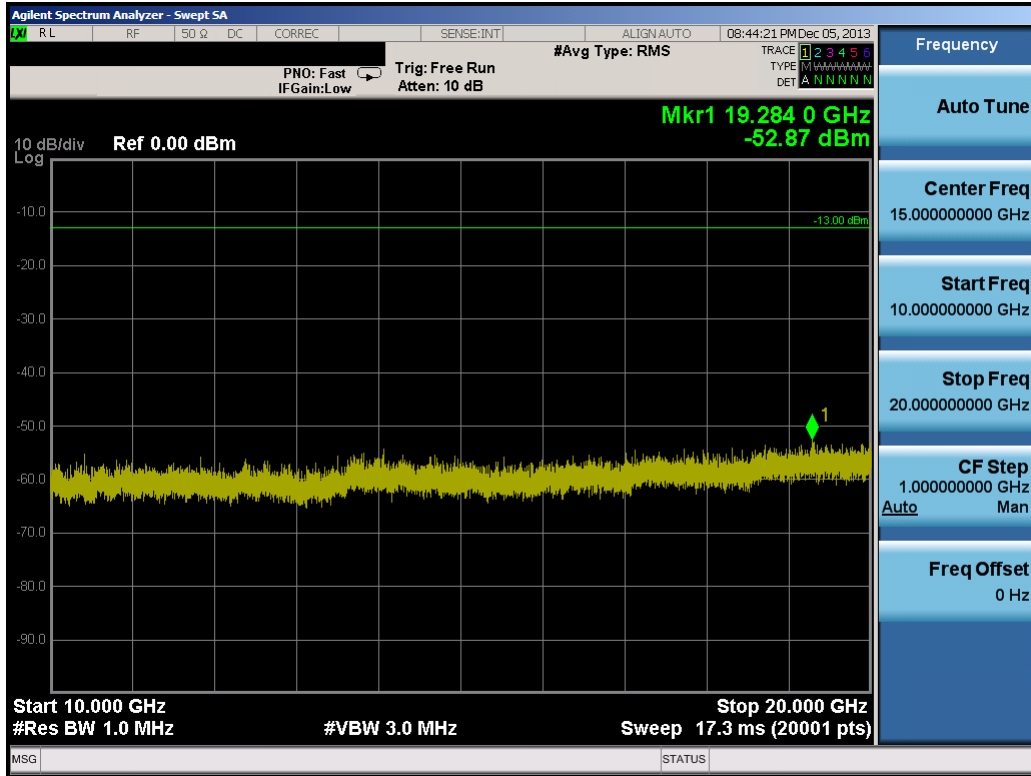


Plot 10-8. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – Mid Channel)



Plot 10-9. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 90 of 114

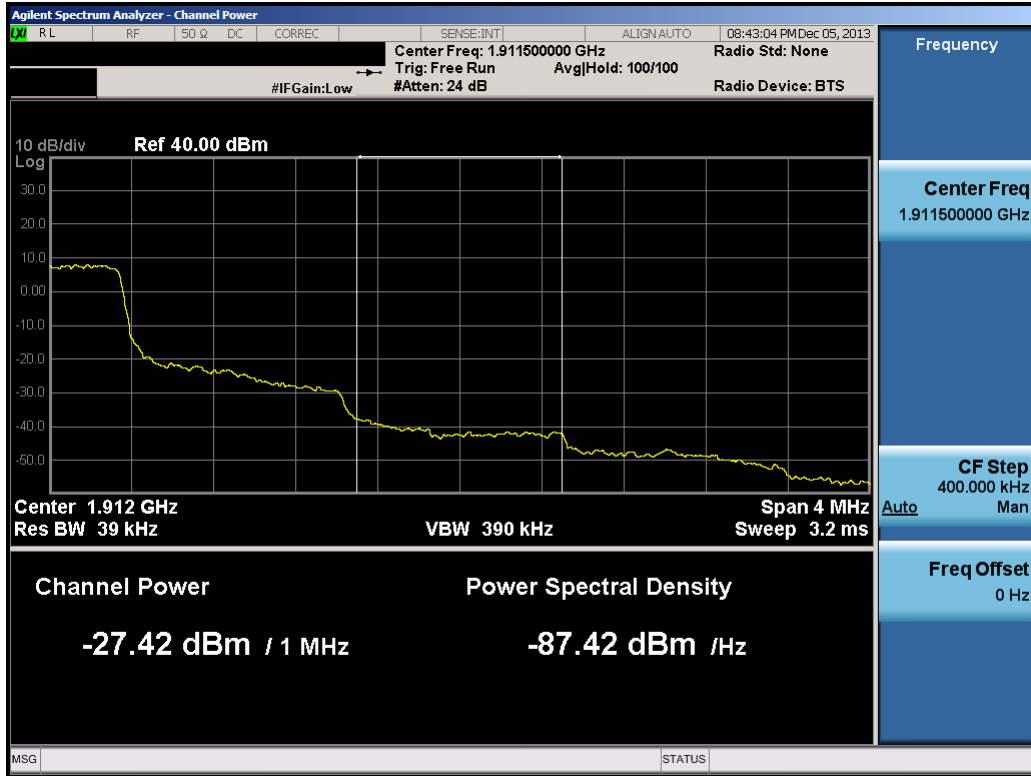


Plot 10-10. Conducted Spurious Plot (1.4MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

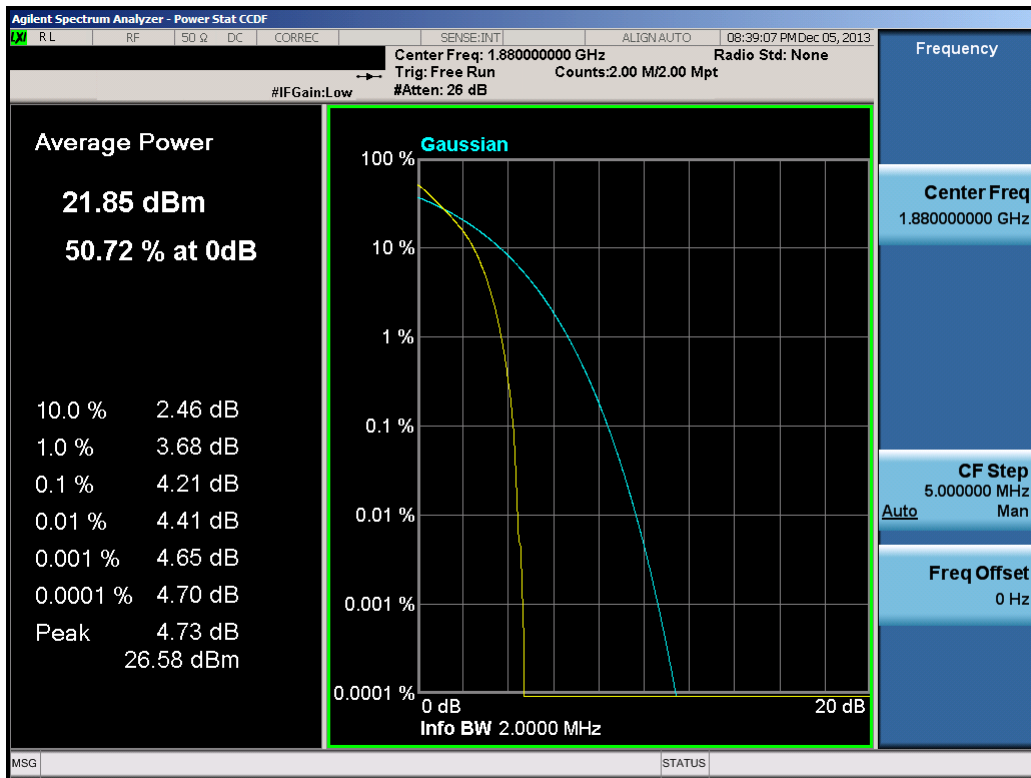


Plot 10-11. Upper Band Edge Plot (1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 91 of 114

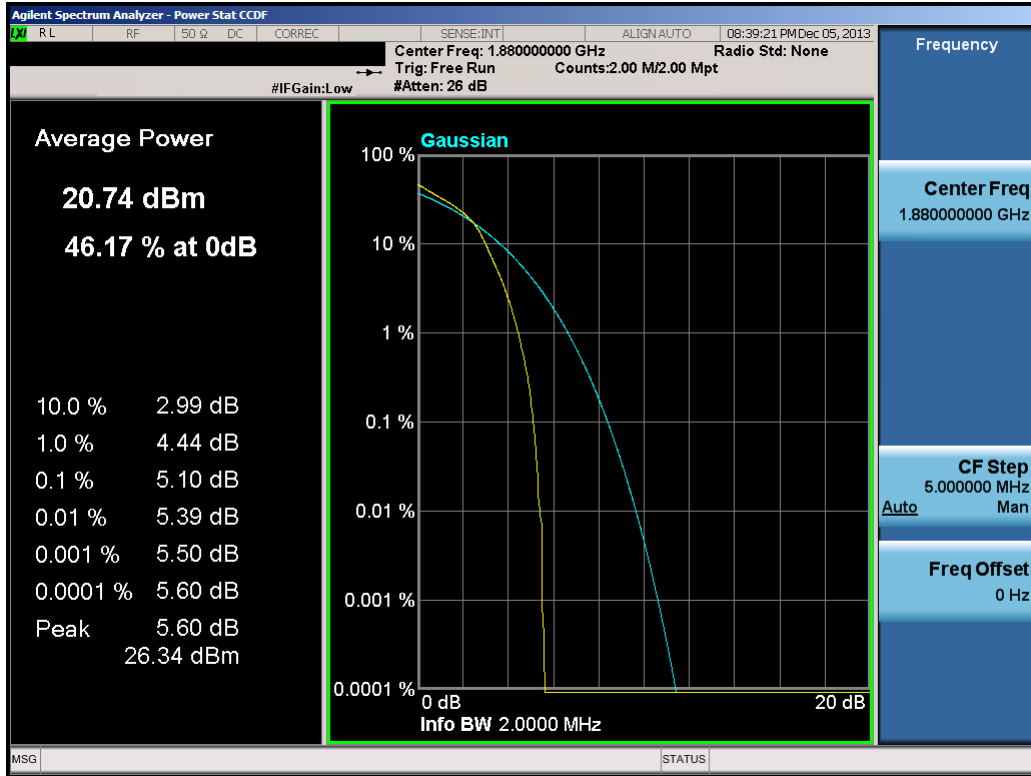


Plot 10-12. Upper Extended Band Edge Plot (1.4MHz QPSK – RB Size 6)

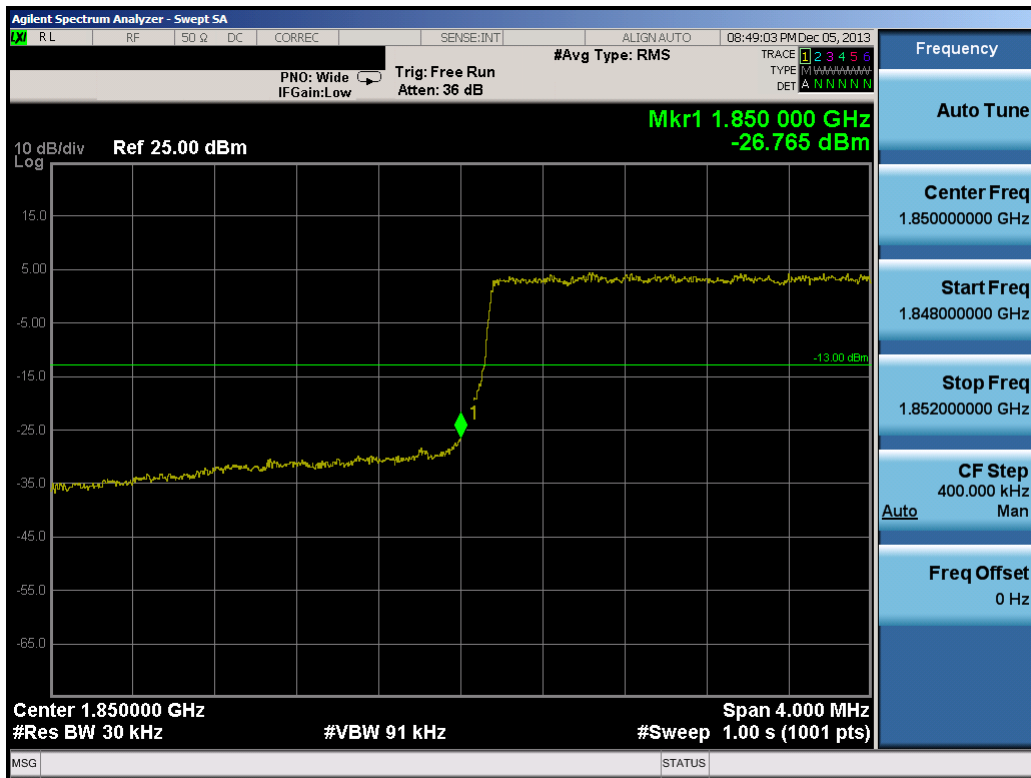


Plot 10-13. PAR Plot (1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 92 of 114

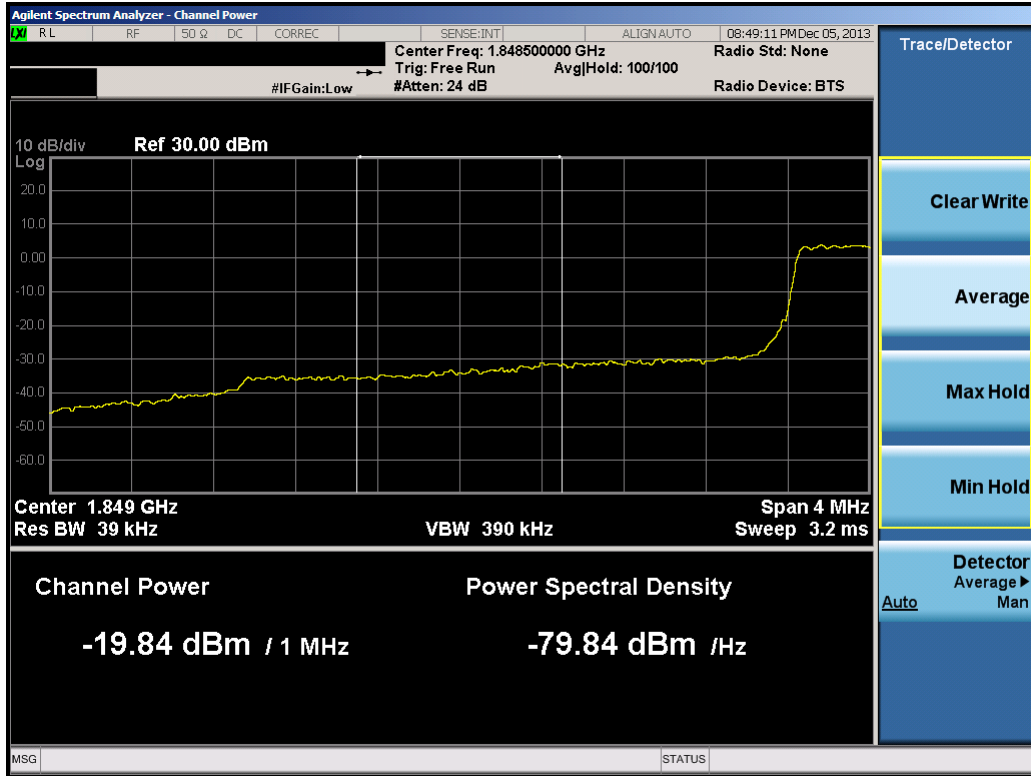


Plot 10-14. PAR Plot (1.4MHz 16-QAM – RB Size 6)

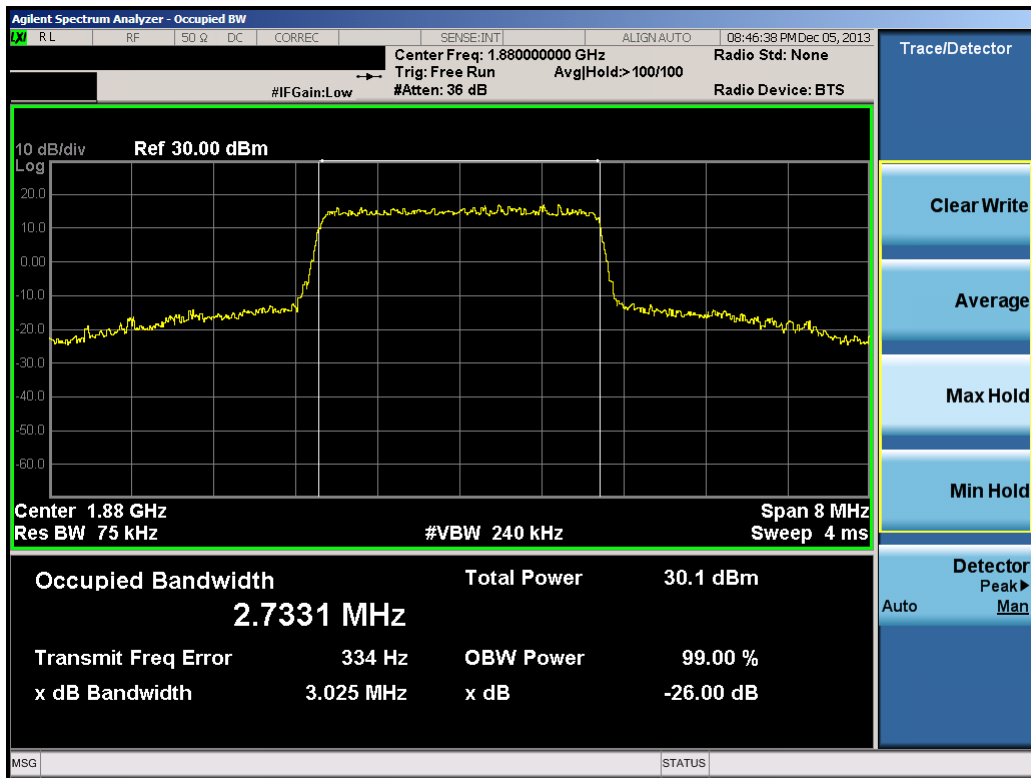


Plot 10-15. Lower Band Edge Plot (3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 93 of 114

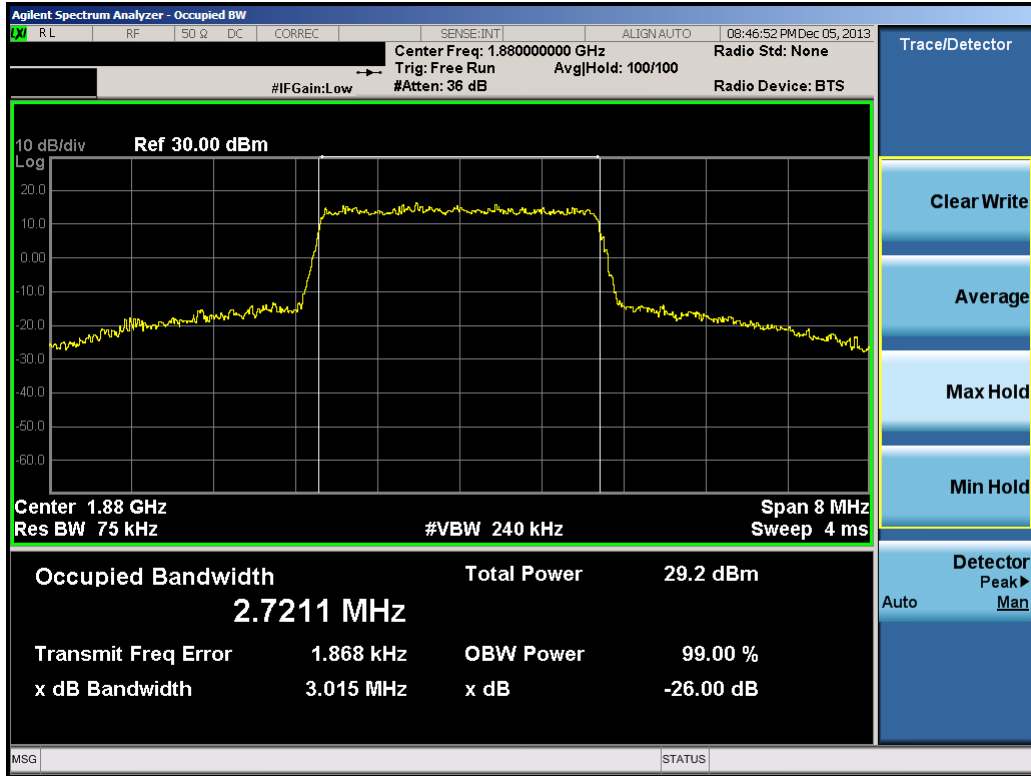


Plot 10-16. Lower Extended Band Edge Plot (3.0MHz QPSK – RB Size 15)

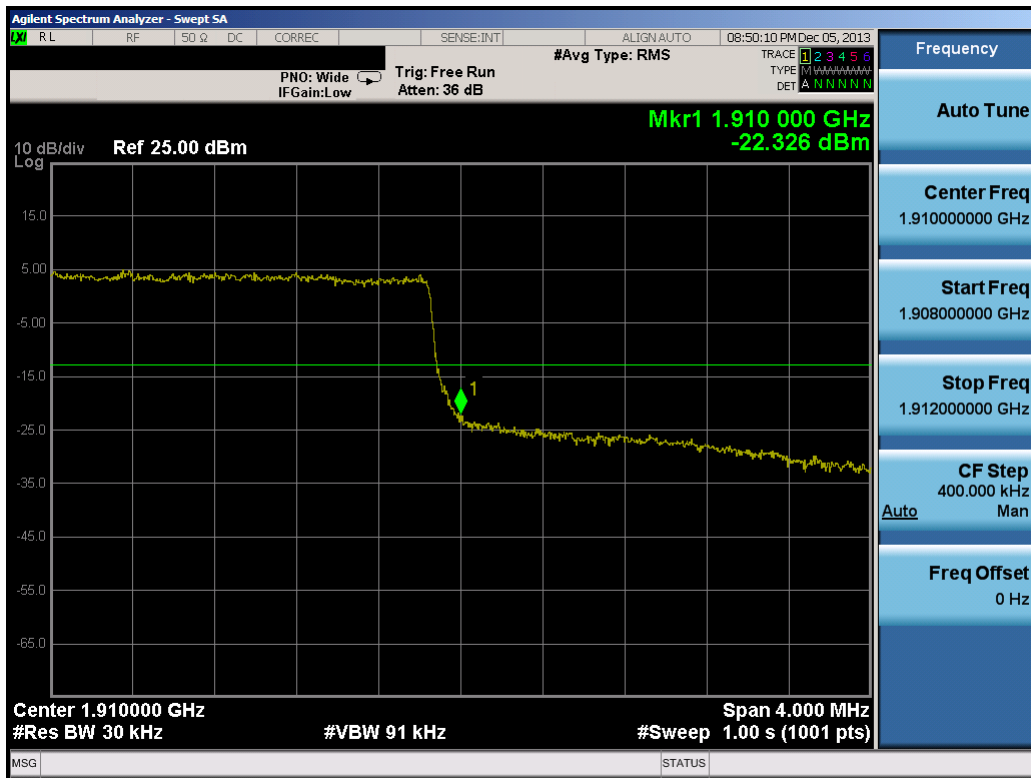


Plot 10-17. Occupied Bandwidth Plot (3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 94 of 114

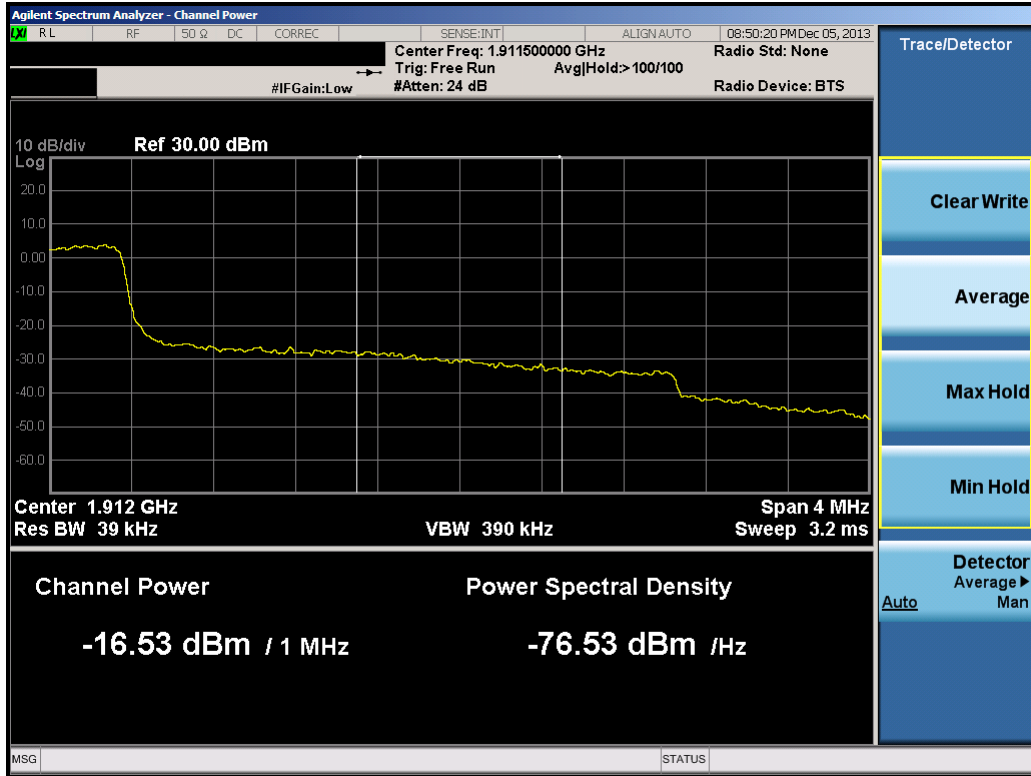


Plot 10-18. Occupied Bandwidth Plot (3.0MHz 16-QAM – RB Size 15)

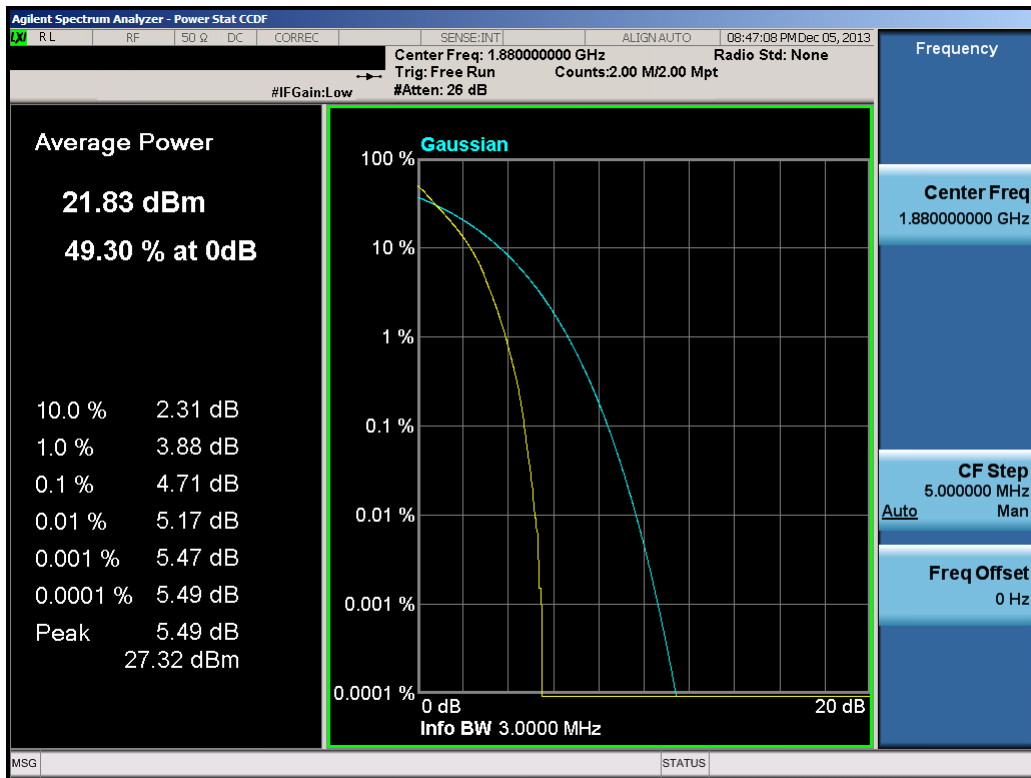


Plot 10-19. Upper Band Edge Plot (3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 95 of 114

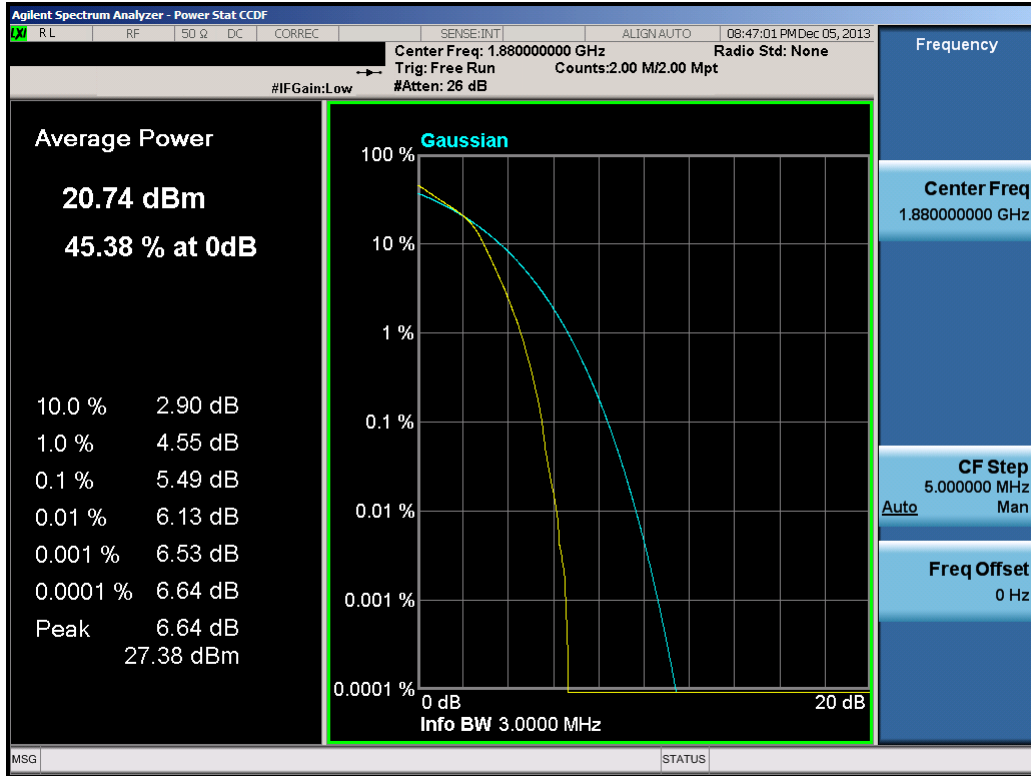


Plot 10-20. Upper Extended Band Edge Plot (3.0MHz QPSK – RB Size 15)

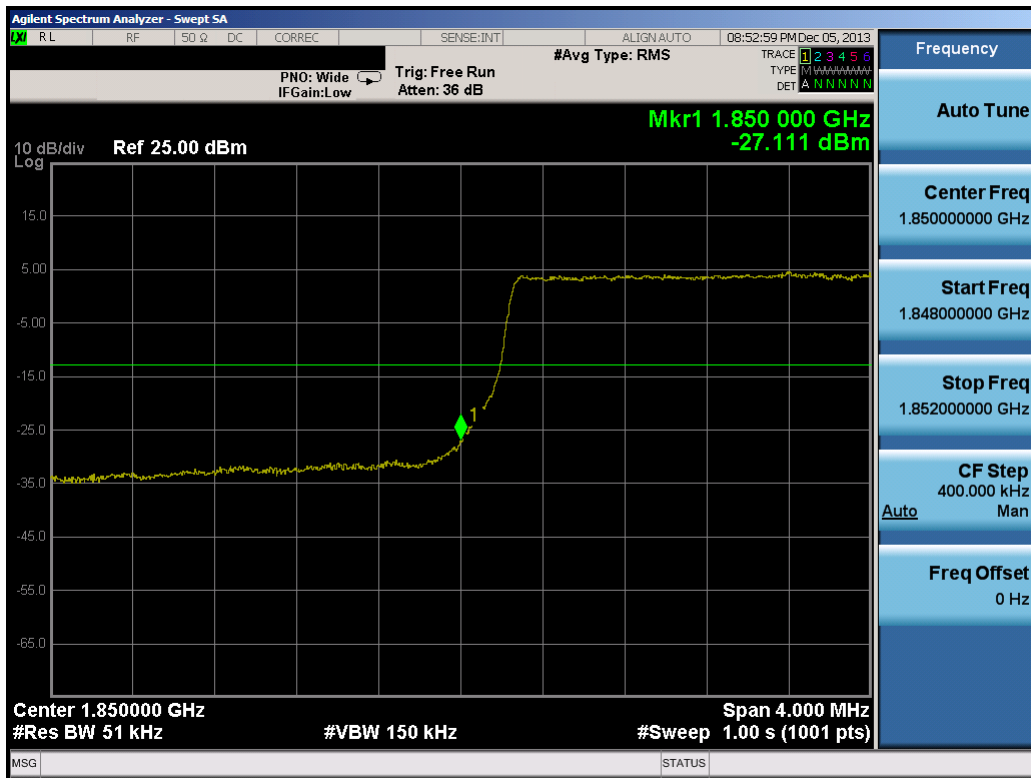


Plot 10-21. PAR Plot (3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 96 of 114

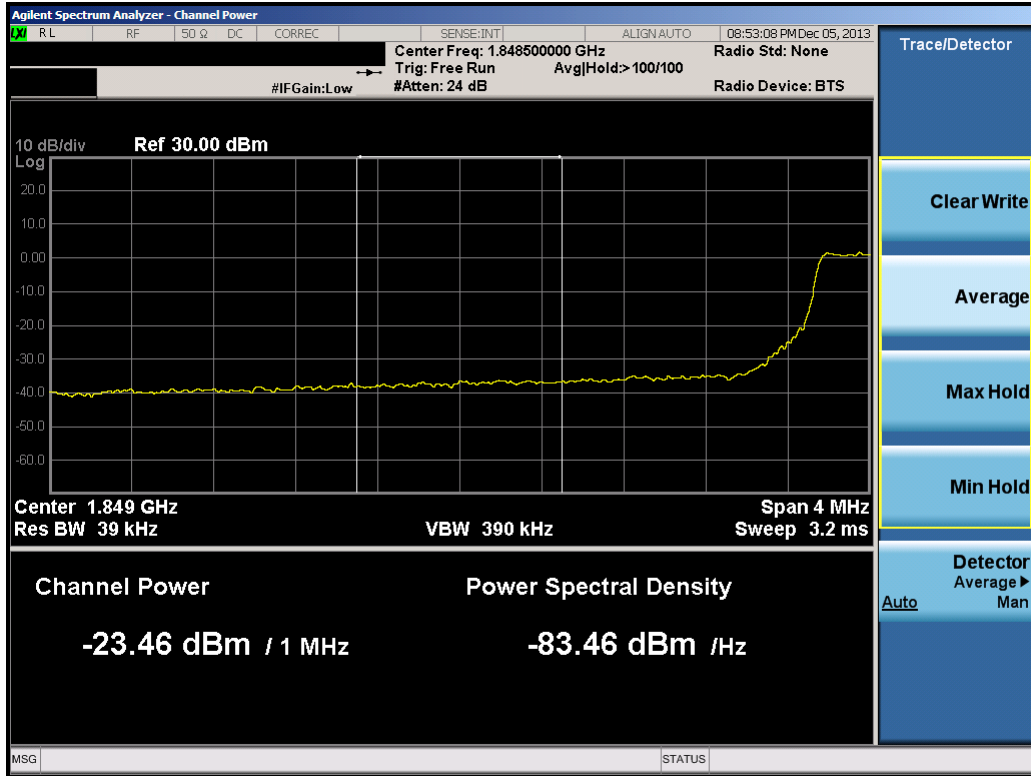


Plot 10-22. PAR Plot (3.0MHz 16-QAM – RB Size 15)

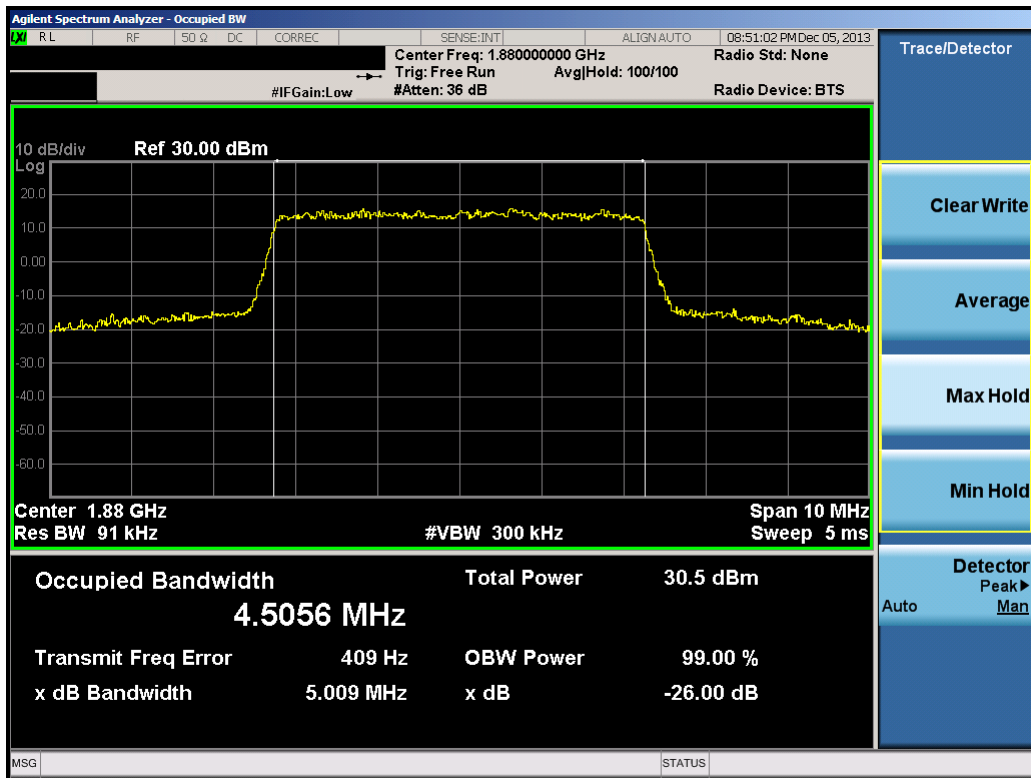


Plot 10-23. Lower Band Edge Plot (5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 97 of 114

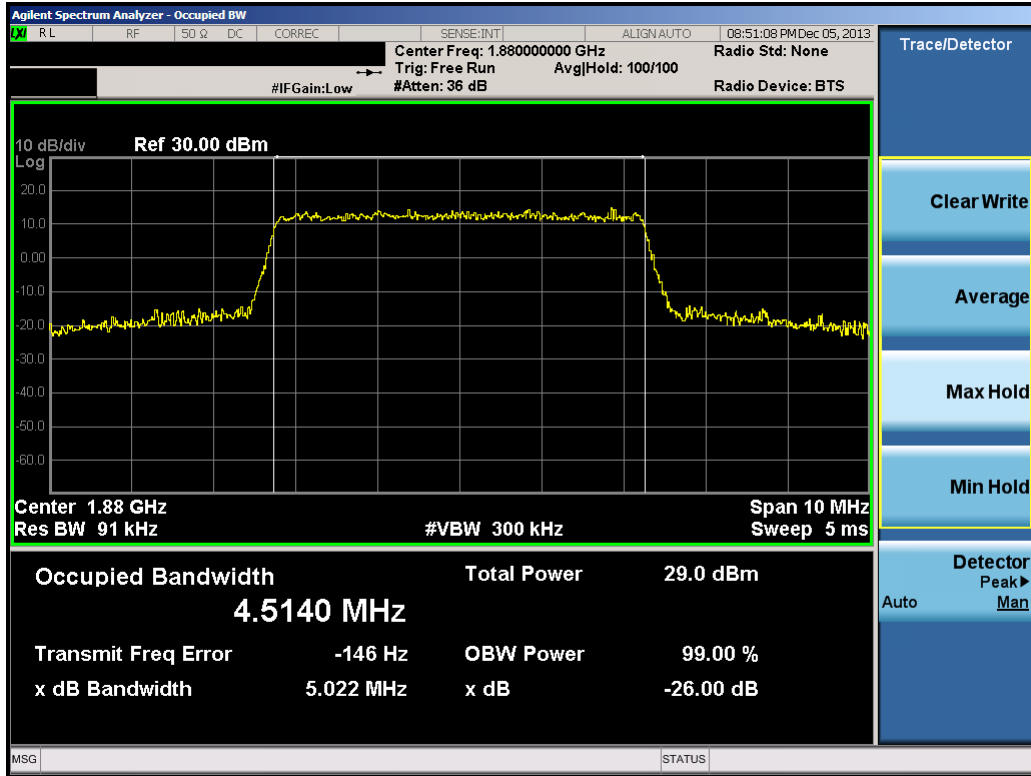


Plot 10-24. Lower Extended Band Edge Plot (5.0MHz QPSK – RB Size 25)



Plot 10-25. Occupied Bandwidth Plot (5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 98 of 114

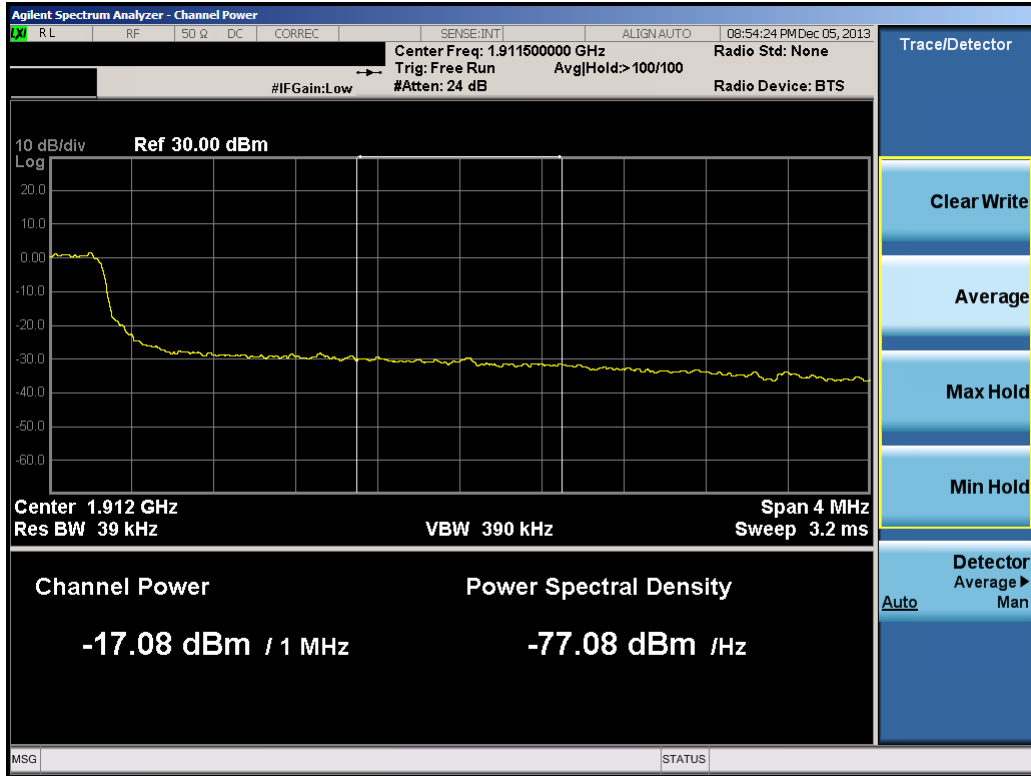


Plot 10-26. Occupied Bandwidth Plot (5.0MHz 16-QAM – RB Size 25)

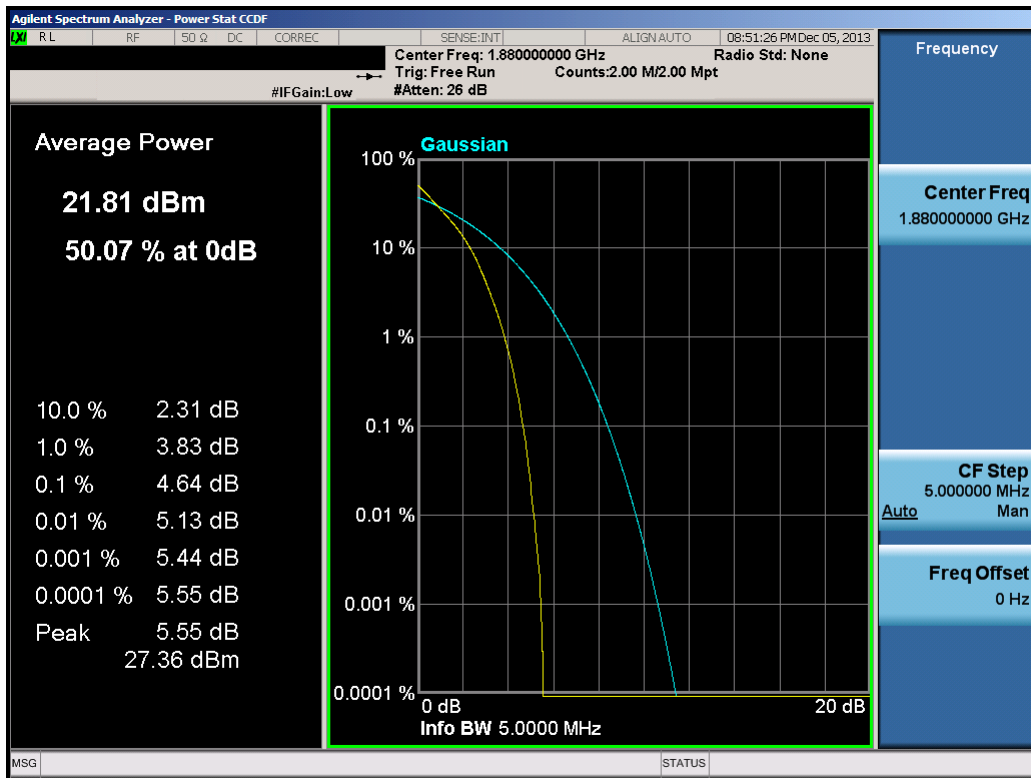


Plot 10-27. Upper Band Edge Plot (5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 99 of 114

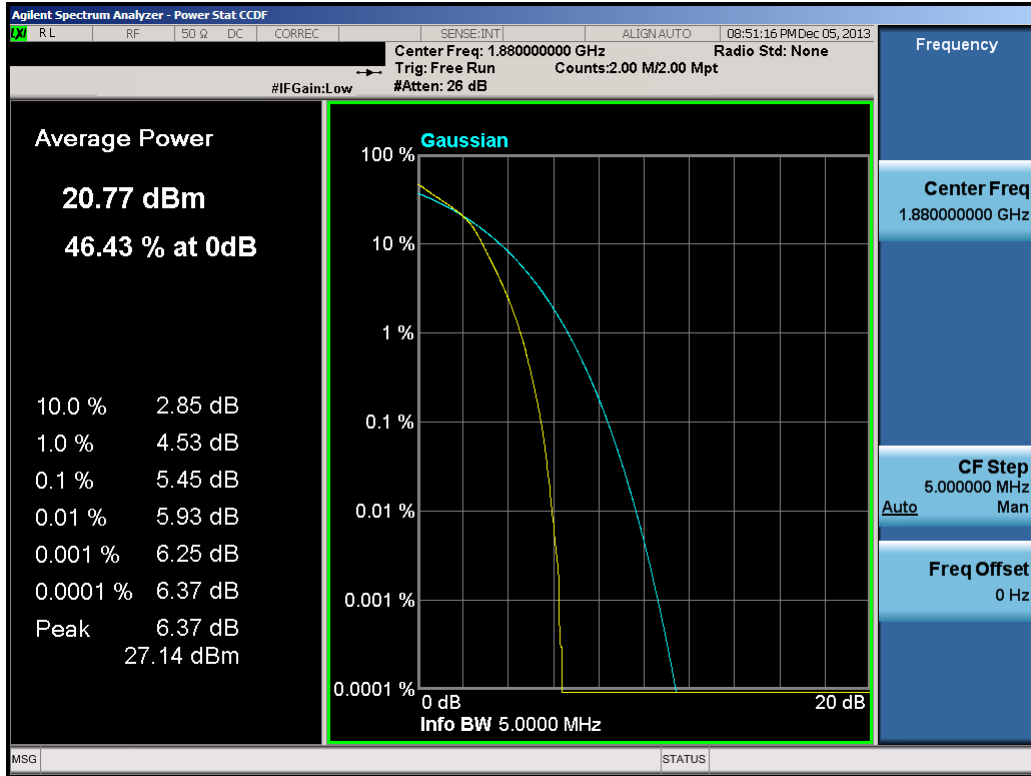


Plot 10-28. Upper Extended Band Edge Plot (5.0MHz QPSK – RB Size 25)

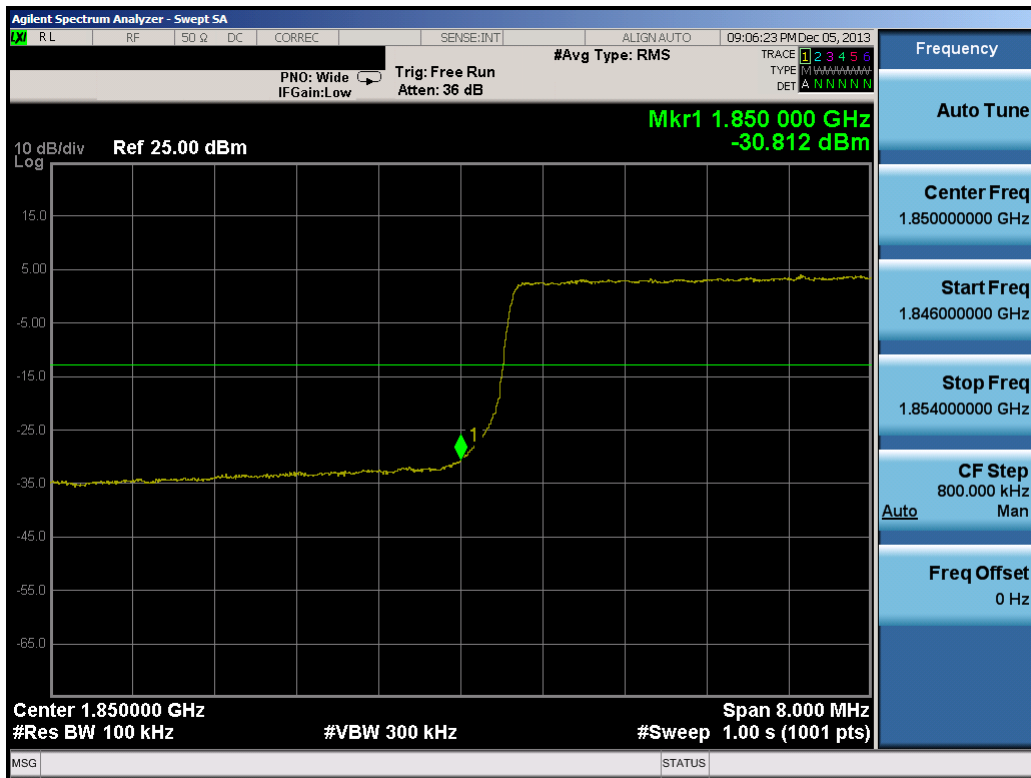


Plot 10-29. PAR Plot (5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 100 of 114

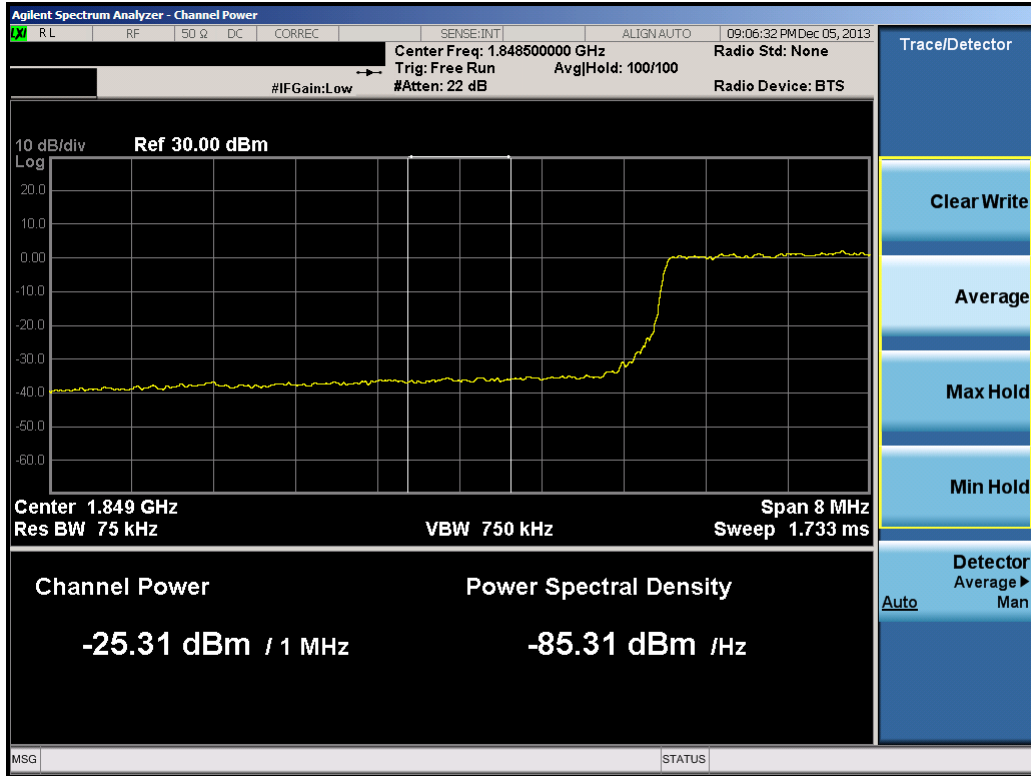


Plot 10-30. PAR Plot (5.0MHz 16-QAM – RB Size 25)

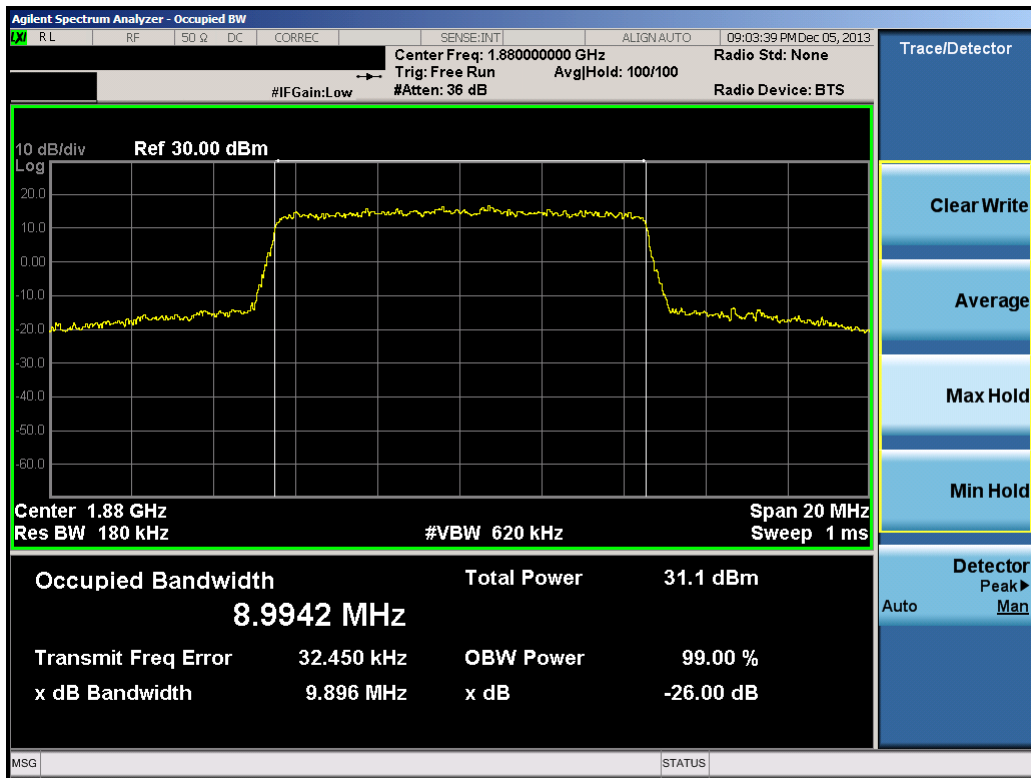


Plot 10-31. Lower Band Edge Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 101 of 114

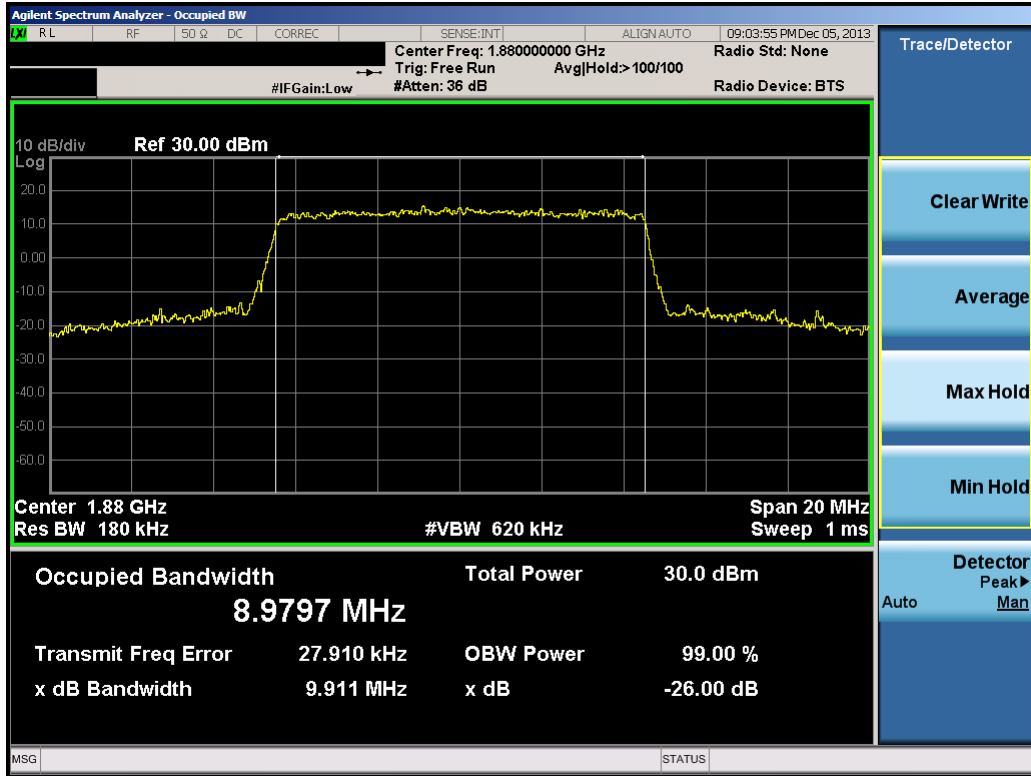


Plot 10-32. Lower Extended Band Edge Plot (10.0MHz QPSK – RB Size 50)

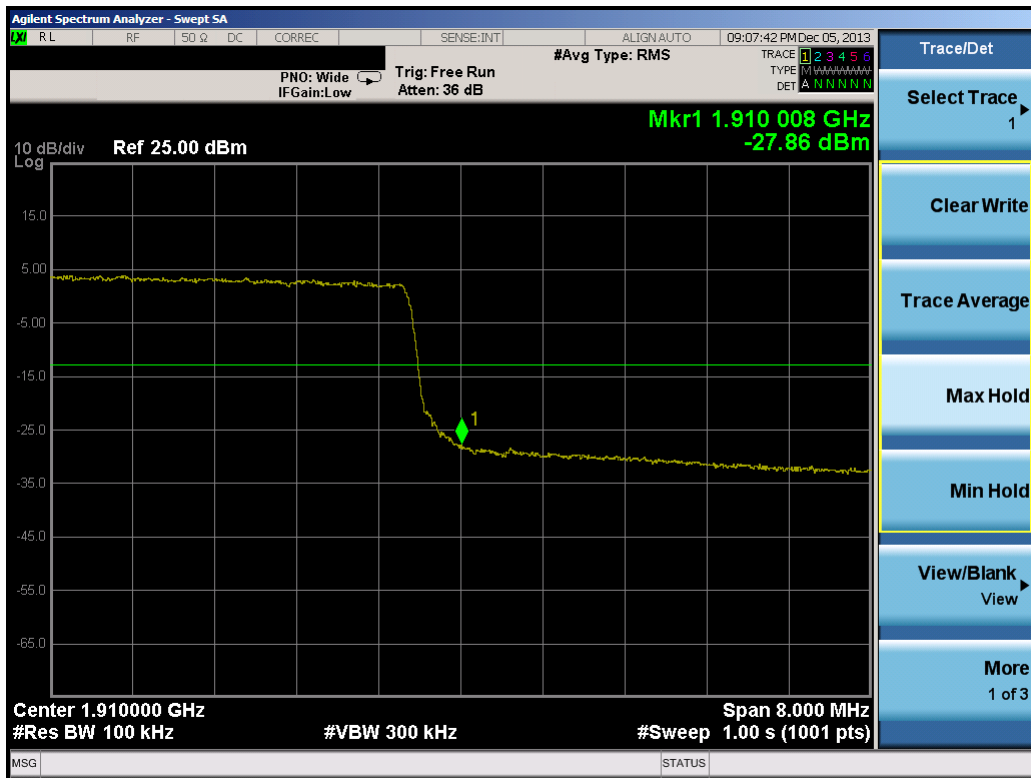


Plot 10-33. Occupied Bandwidth Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 102 of 114

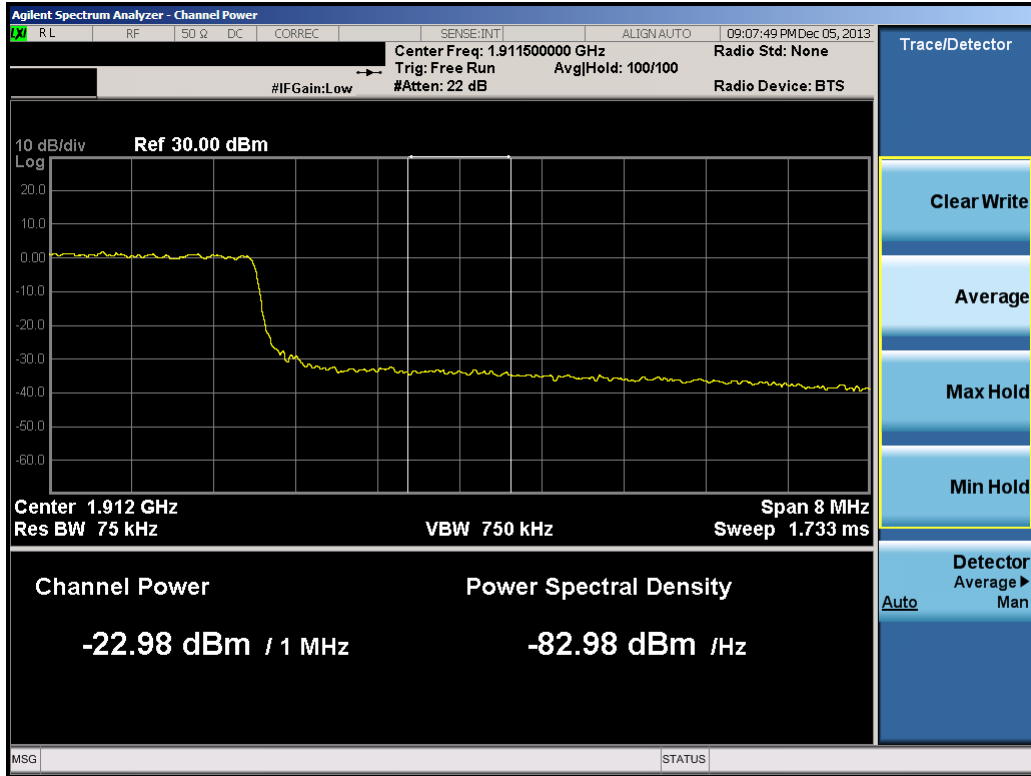


Plot 10-34. Occupied Bandwidth Plot (10.0MHz 16-QAM – RB Size 50)

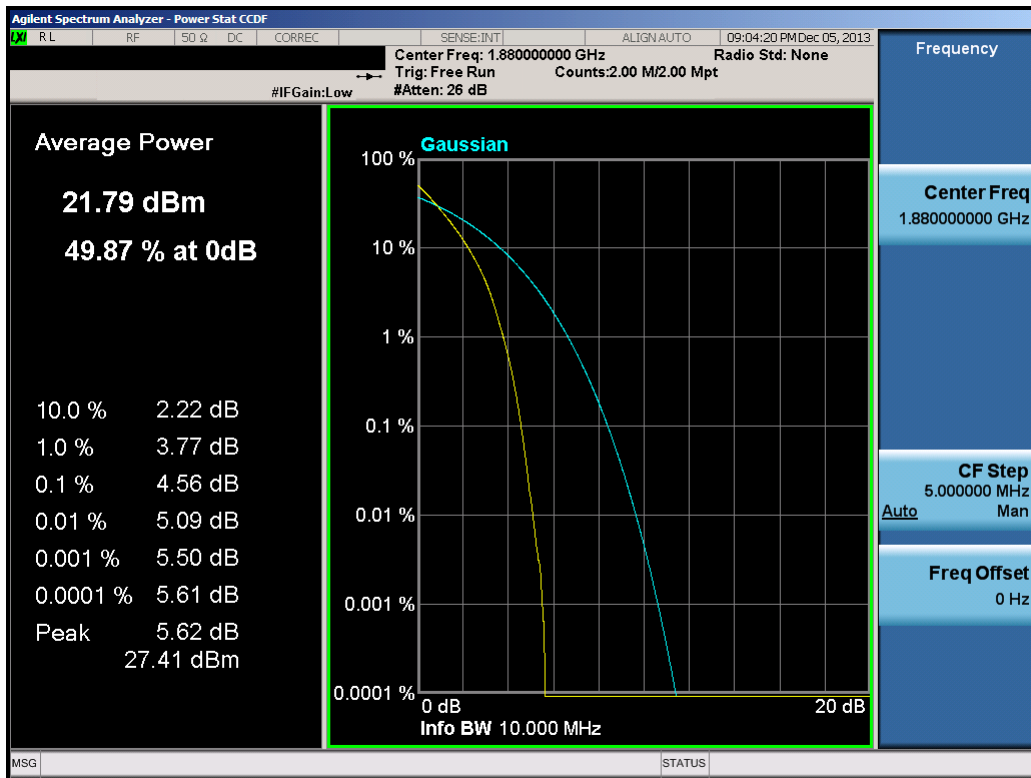


Plot 10-35. Upper Band Edge Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 103 of 114

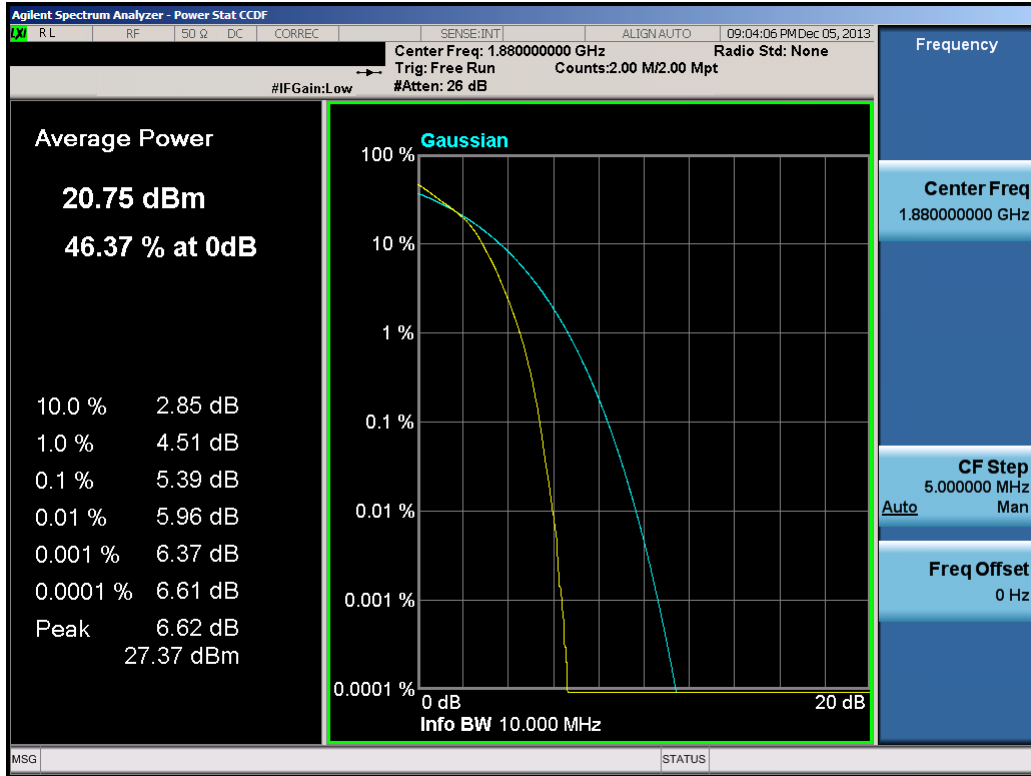


Plot 10-36. Upper Extended Band Edge Plot (10.0MHz QPSK – RB Size 50)

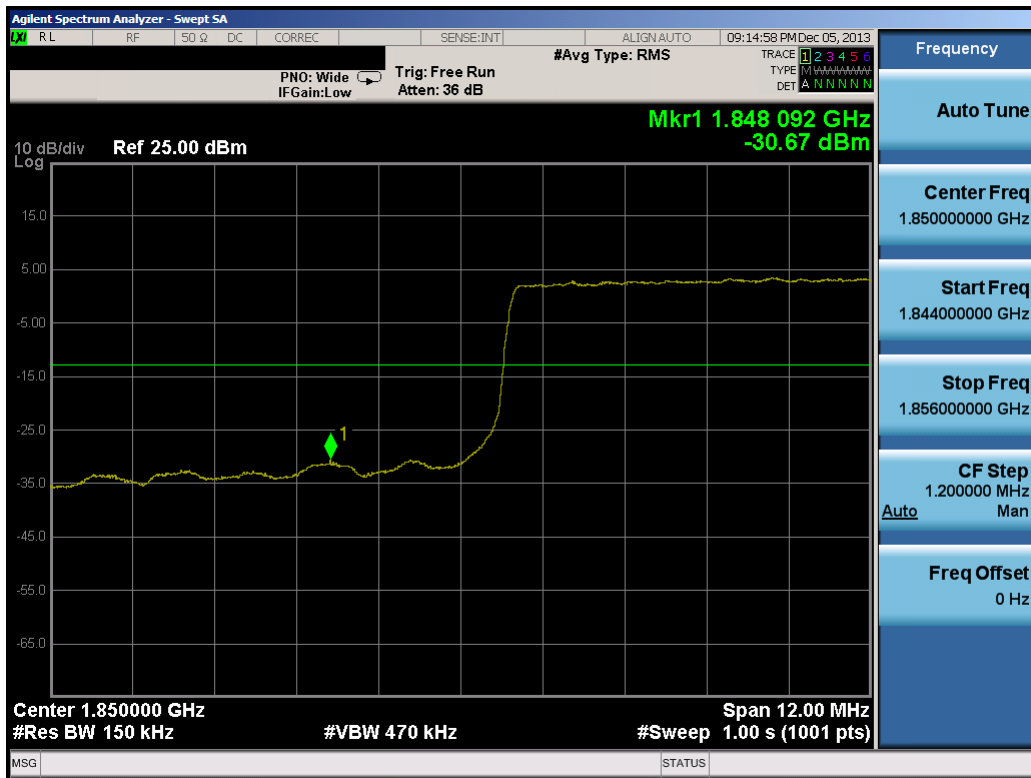


Plot 10-37. PAR Plot (10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 104 of 114

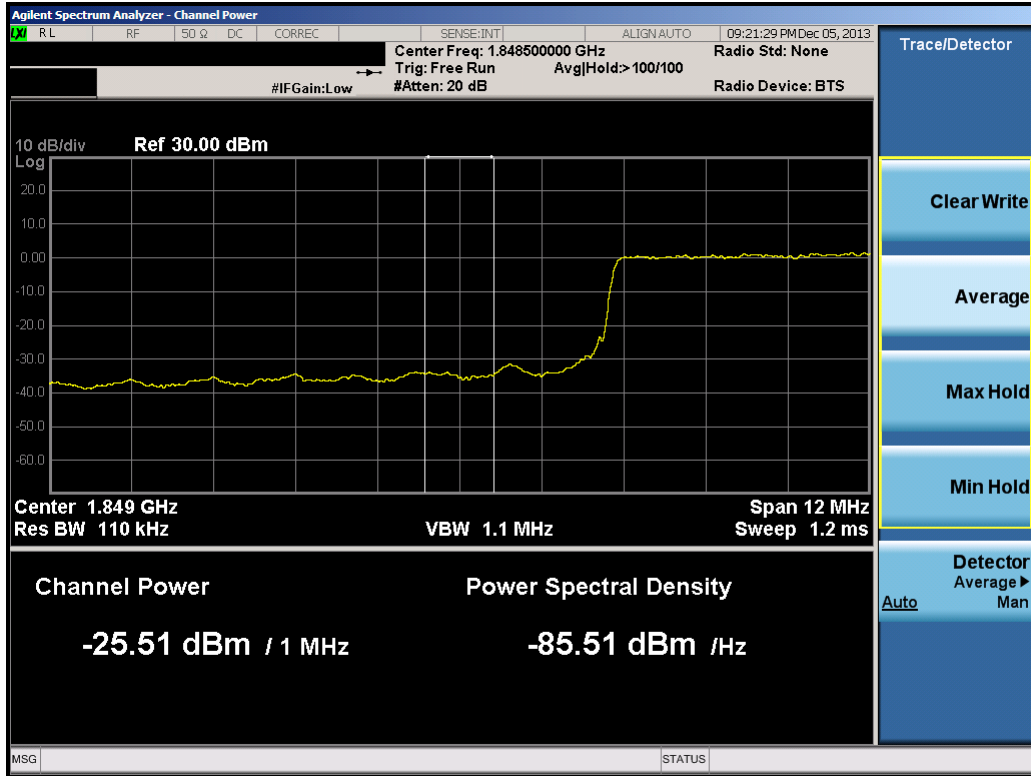


Plot 10-38. PAR Plot (10.0MHz 16-QAM – RB Size 50)

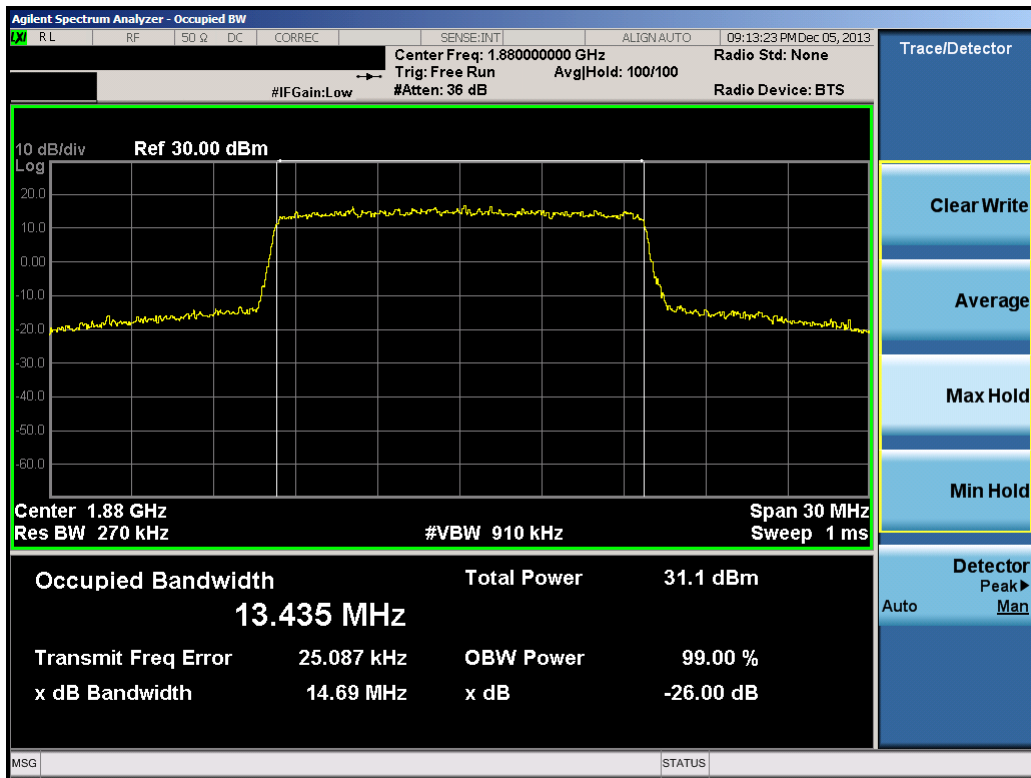


Plot 10-39. Lower Band Edge Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 105 of 114

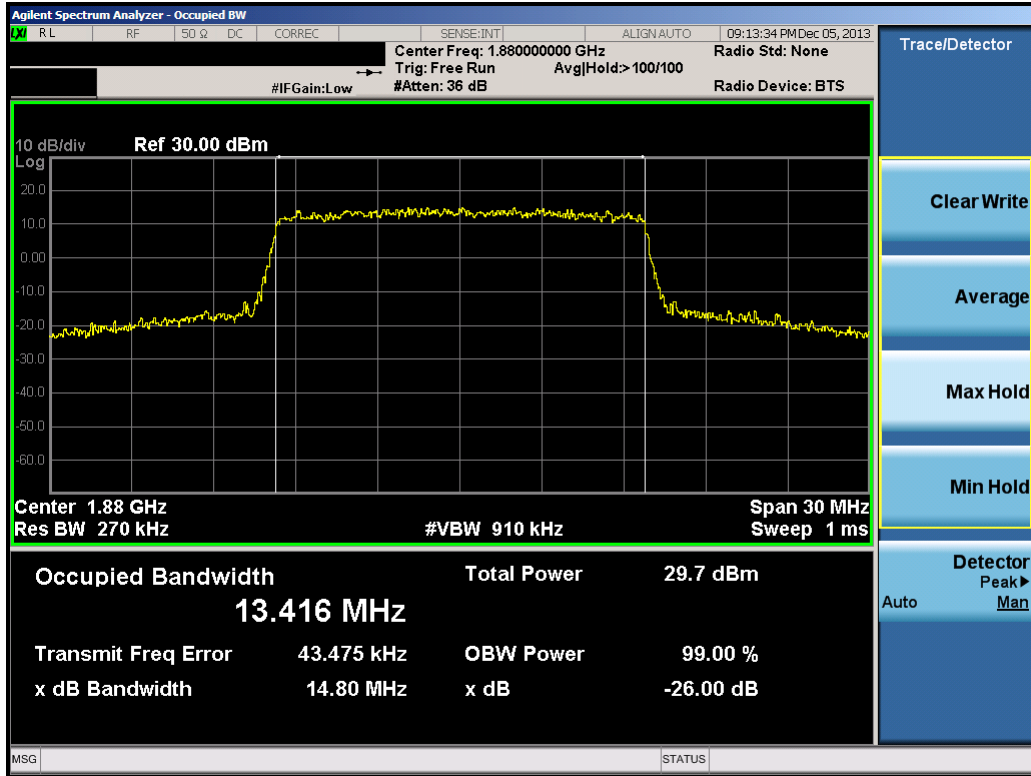


Plot 10-40. Lower Extended Band Edge Plot (15.0MHz QPSK – RB Size 75)

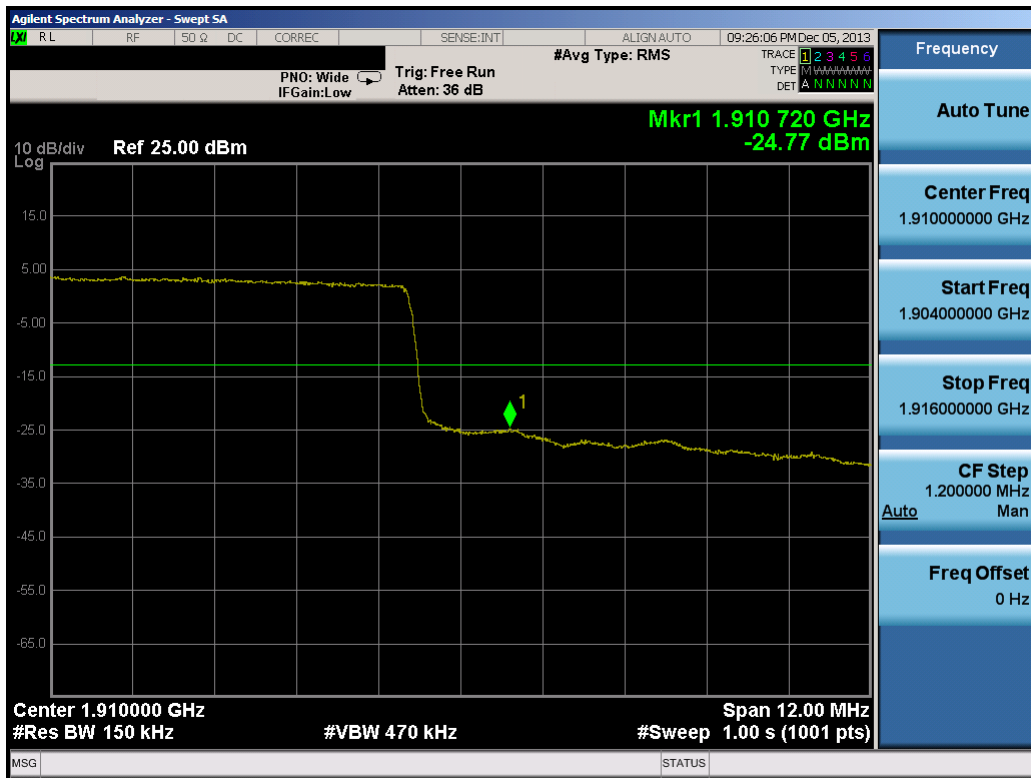


Plot 10-41. Occupied Bandwidth Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 106 of 114



Plot 10-42. Occupied Bandwidth Plot (15.0MHz 16-QAM – RB Size 75)

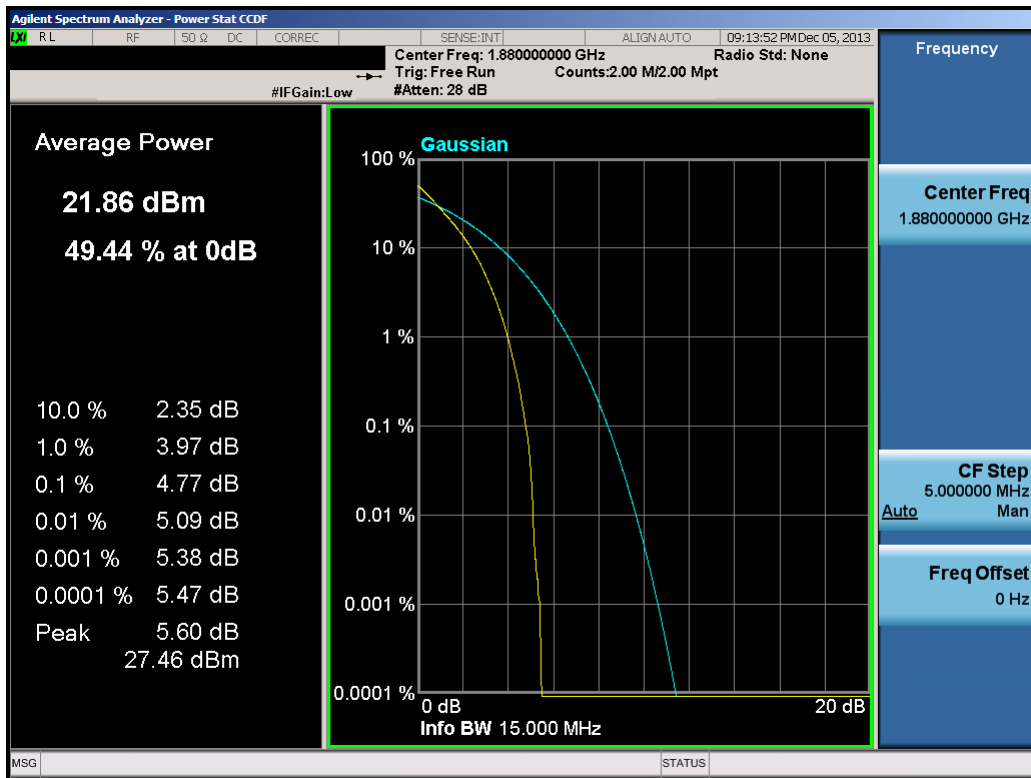


Plot 10-43. Upper Band Edge Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 107 of 114

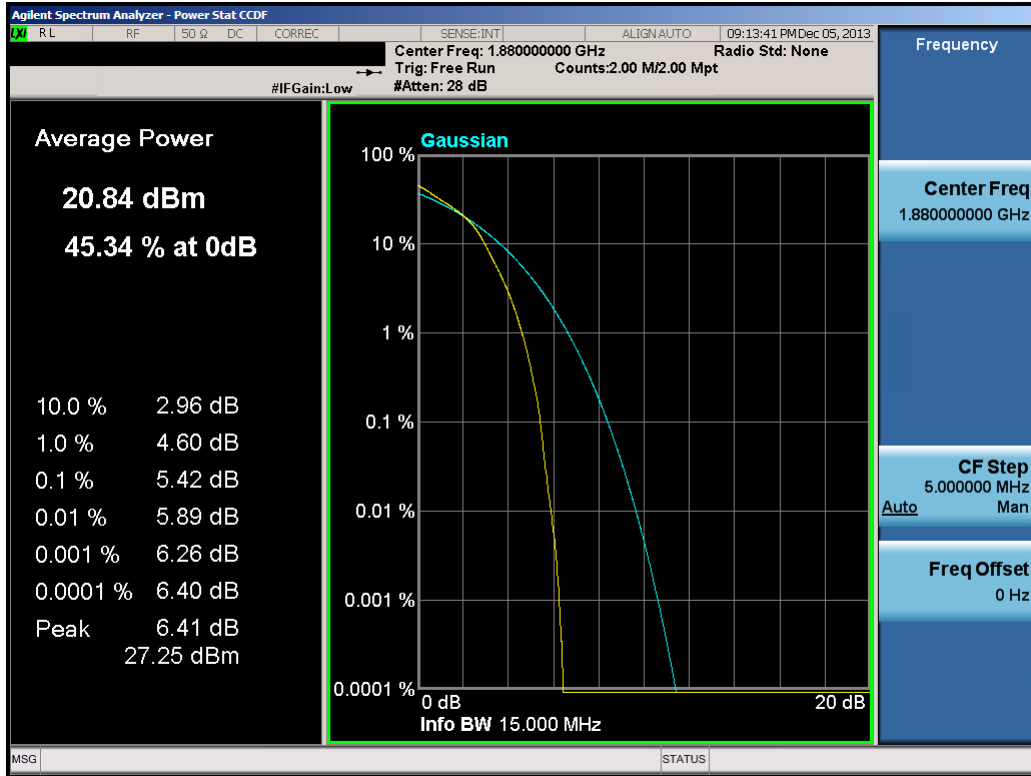


Plot 10-44. Upper Extended Band Edge Plot (15.0MHz QPSK – RB Size 75)

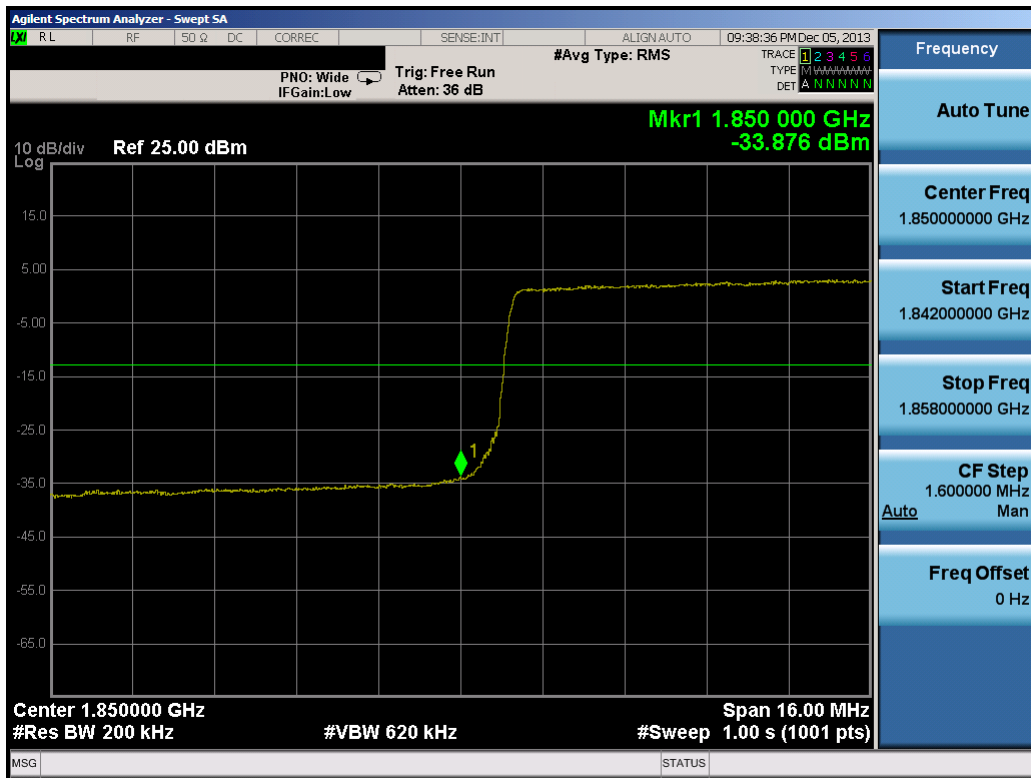


Plot 10-45. PAR Plot (15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 108 of 114

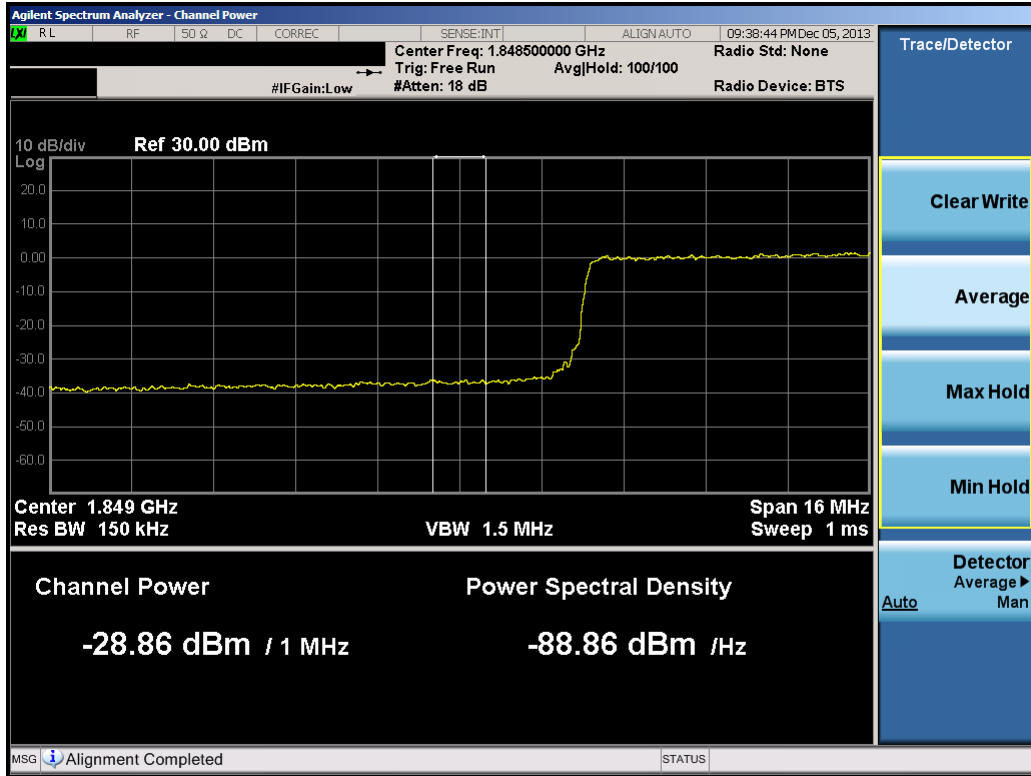


Plot 10-46. PAR Plot (15.0MHz 16-QAM – RB Size 75)

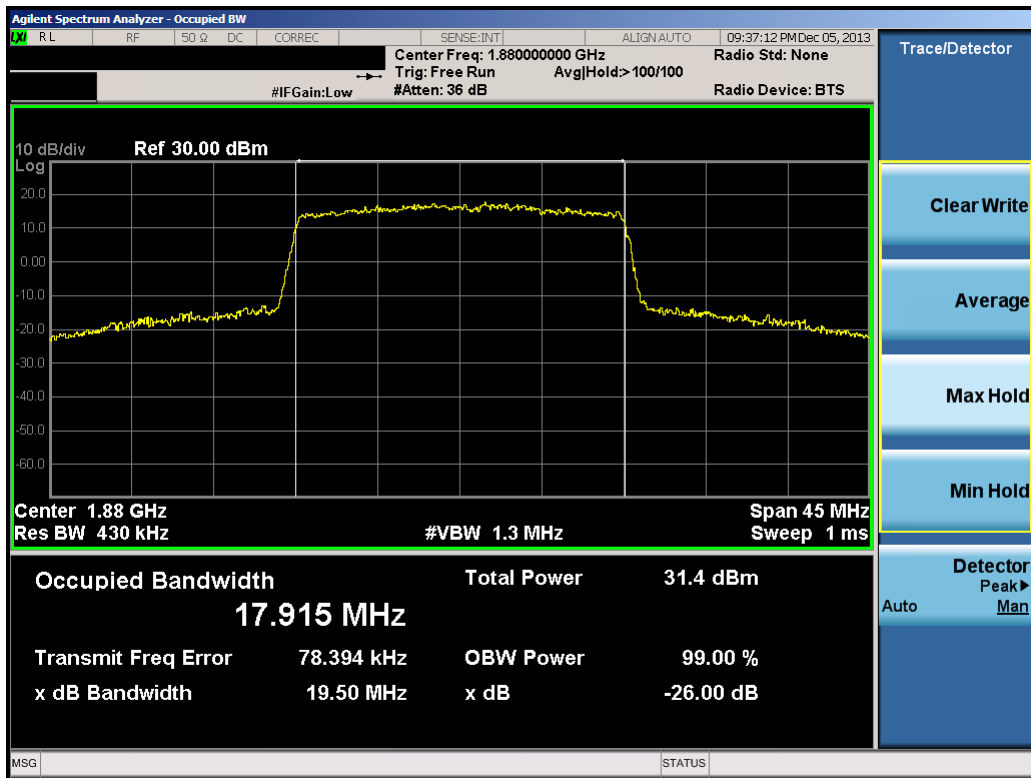


Plot 10-47. Lower Band Edge Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 109 of 114

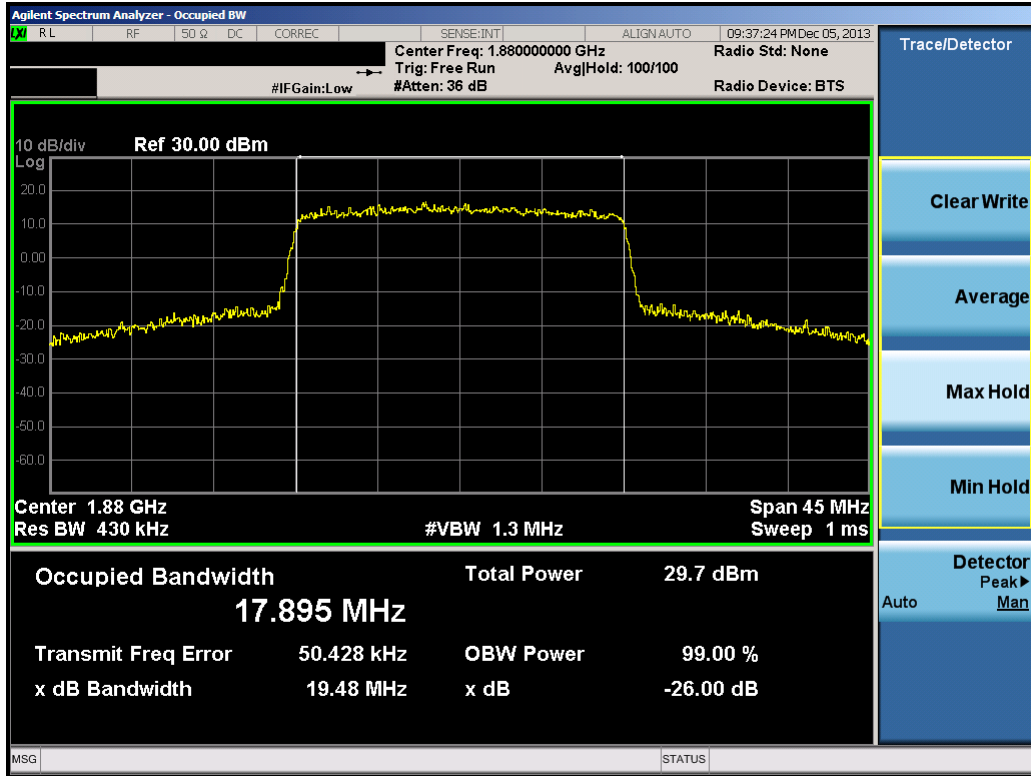


Plot 10-48. Lower Extended Band Edge Plot (20.0MHz QPSK – RB Size 100)

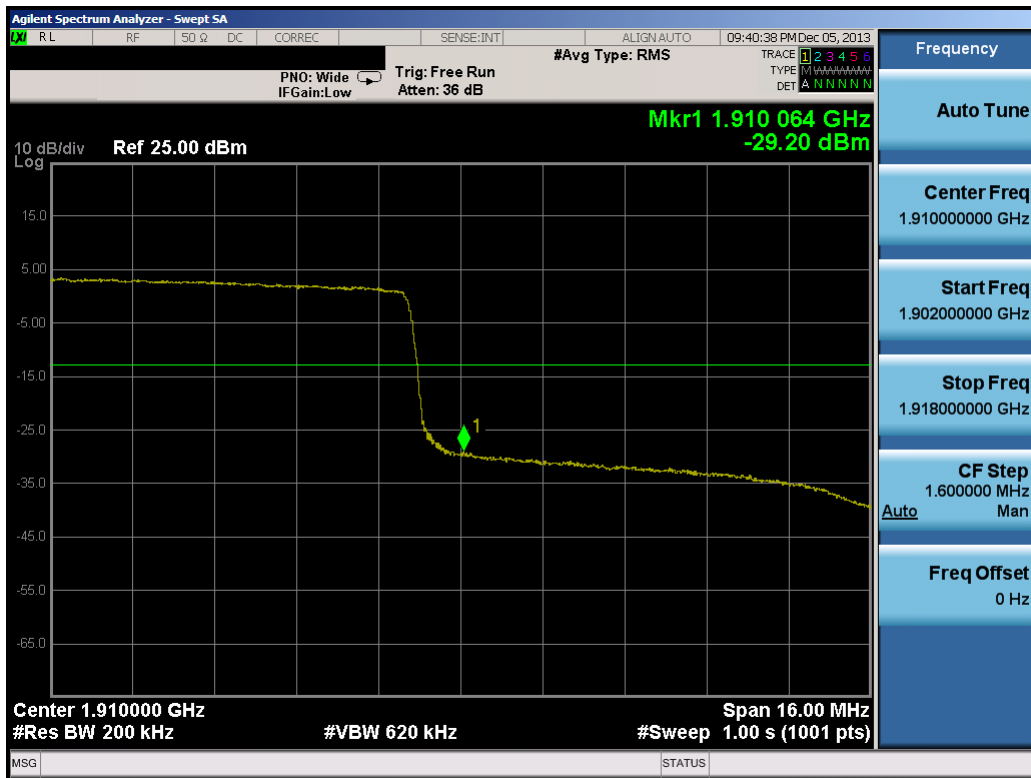


Plot 10-49. Occupied Bandwidth Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 110 of 114



Plot 10-50. Occupied Bandwidth Plot (20.0MHz 16-QAM – RB Size 100)

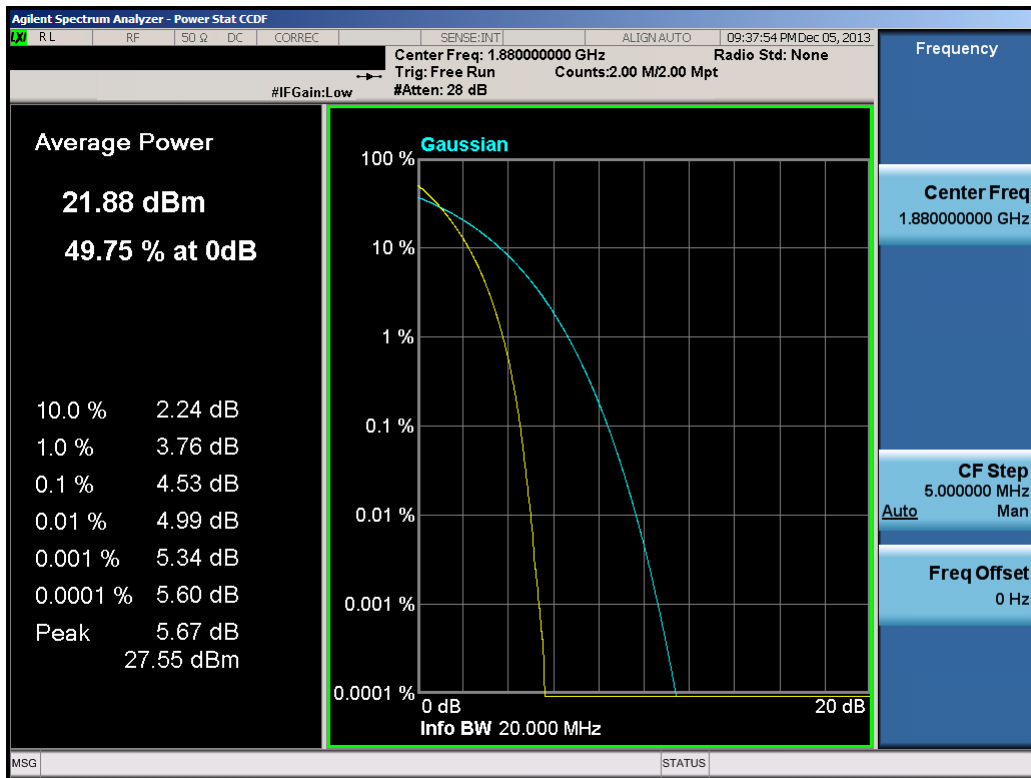


Plot 10-51. Upper Band Edge Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 111 of 114

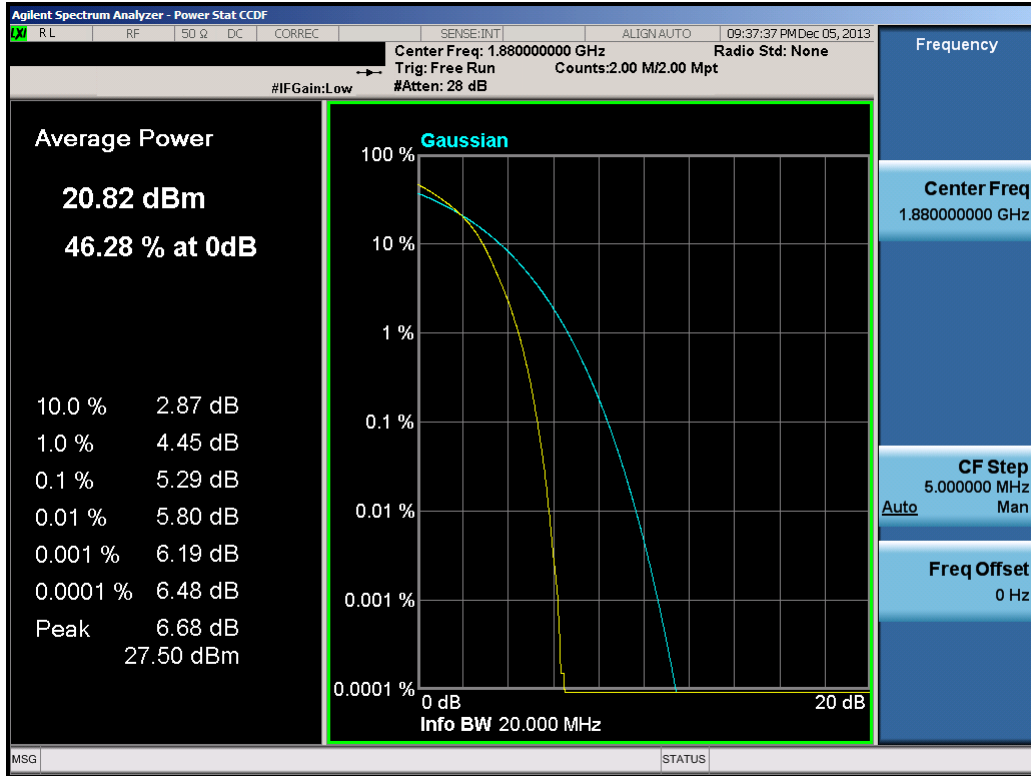


Plot 10-52. Upper Extended Band Edge Plot (20.0MHz QPSK – RB Size 100)



Plot 10-53. PAR Plot (20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMG7105L	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 112 of 114





Plot 10-54. PAR Plot (20.0MHz 16-QAM – RB Size 100)

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset		Page 113 of 114

11.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMG7105L** complies with all the requirements of Parts 2, 22, 24, 27 of the FCC rules for LTE operation only.

FCC ID: A3LSMG7105L		FCC Pt. 22, 24 & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1312042423.A3L	Test Dates: 12/5 - 12/17/2013	EUT Type: Portable Handset	Page 114 of 114	