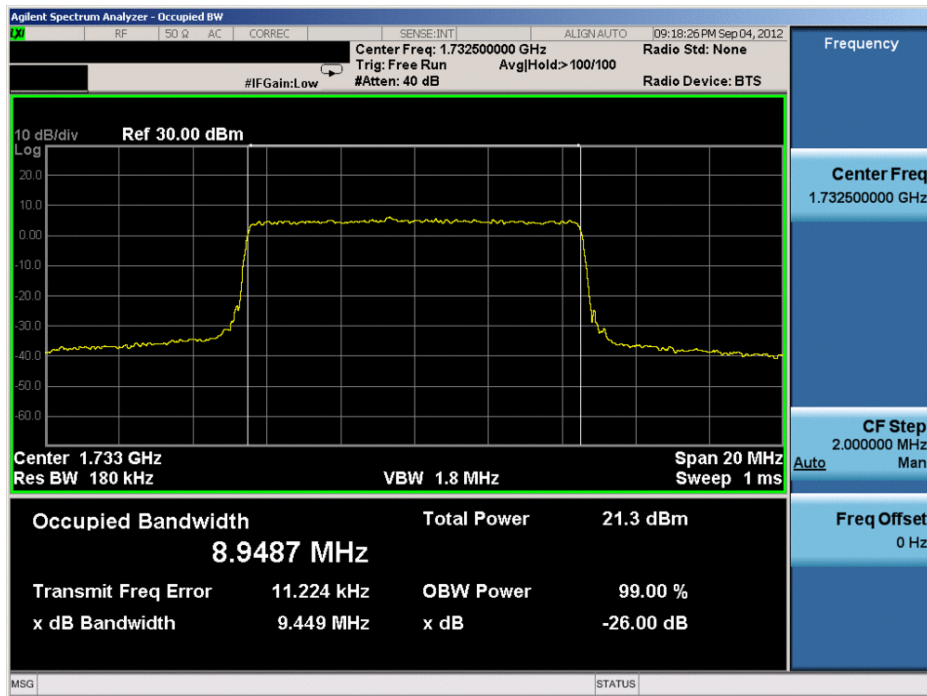
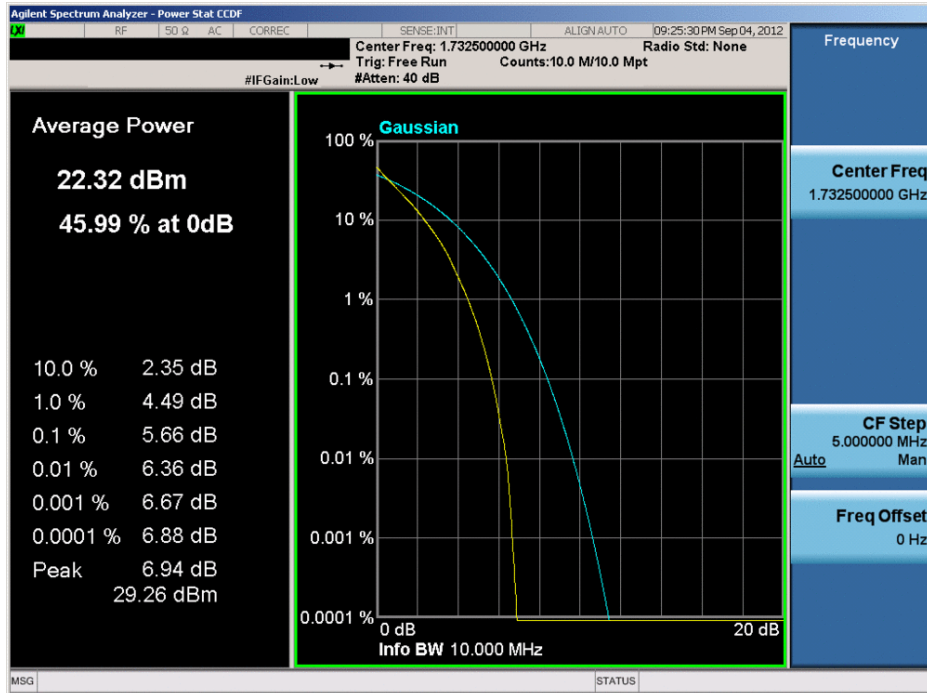


Plot 10-5. Occupied Bandwidth Plot (QPSK – RB Size 50)

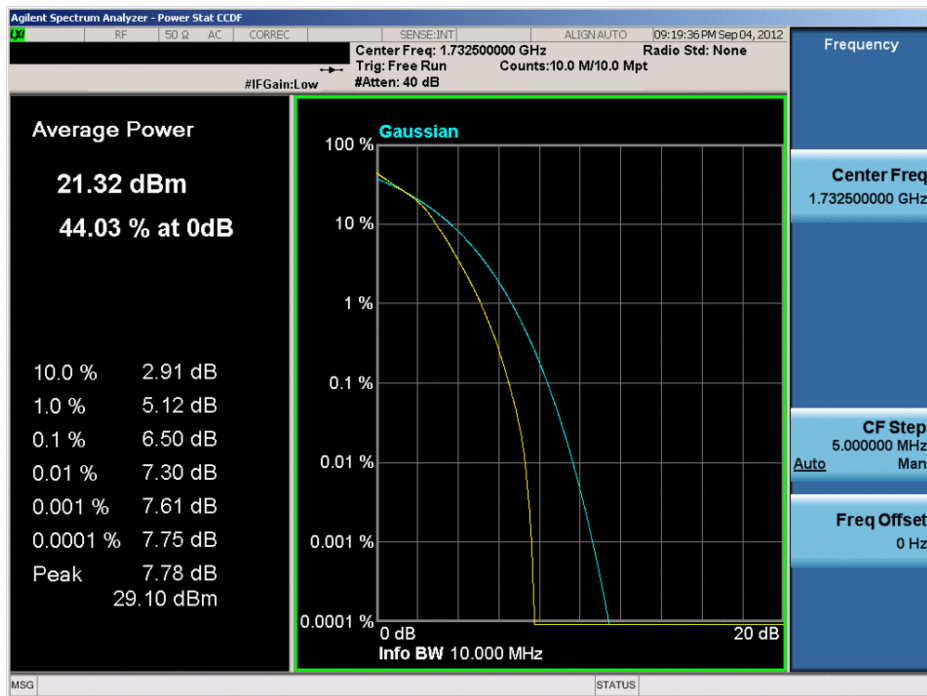


Plot 10-6. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 49 of 74

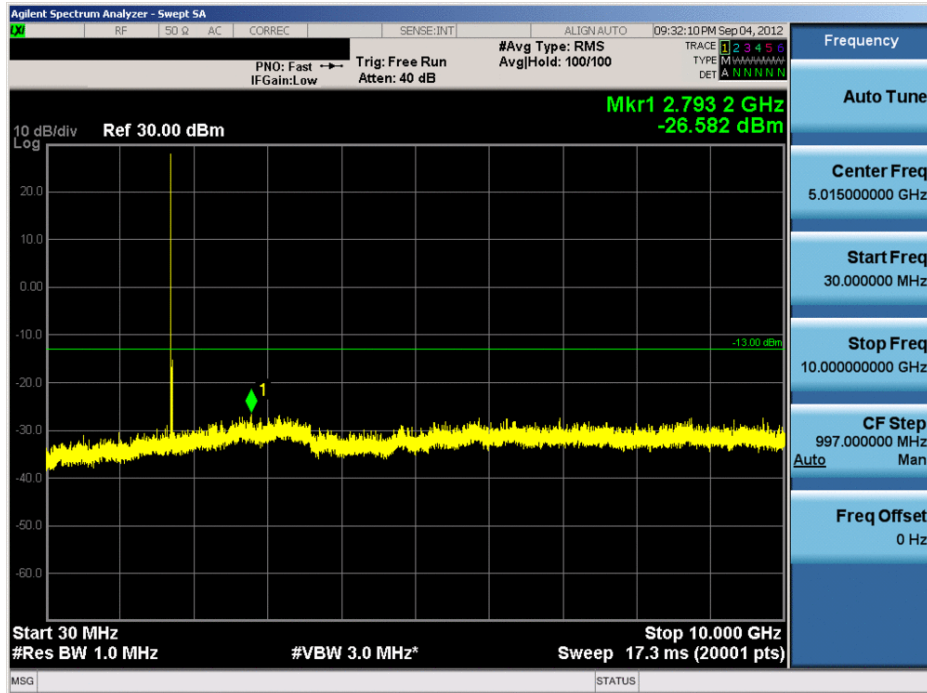


Plot 10-7. Peak to Average Ratio Plot (QPSK - RB Size 50)

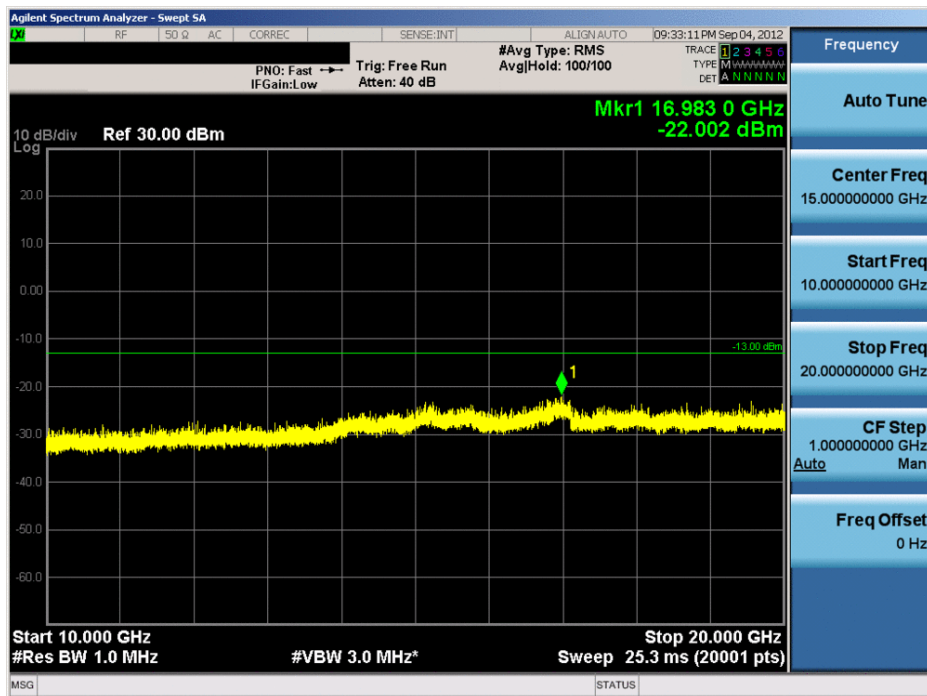


Plot 10-8. Peak to Average Ratio Plot (16QAM - RB Size 50)



FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 50 of 74

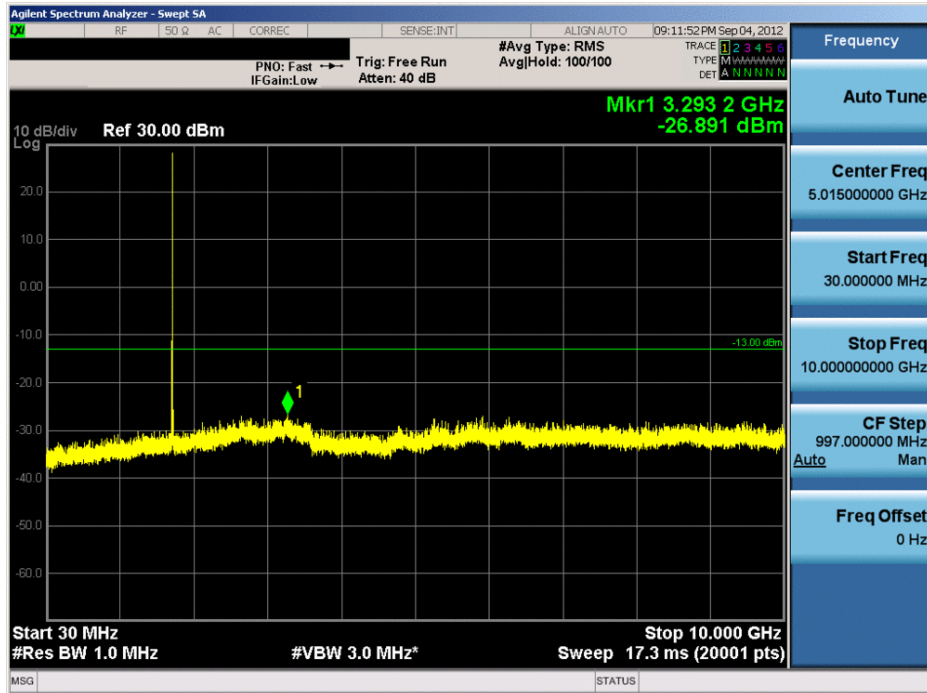


Plot 10-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

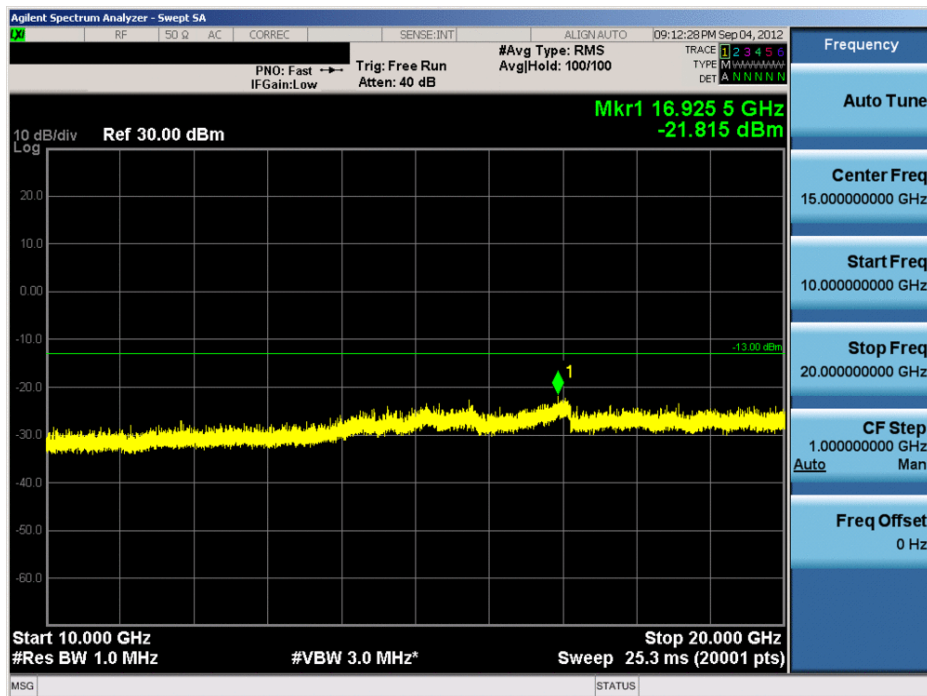


Plot 10-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 51 of 74

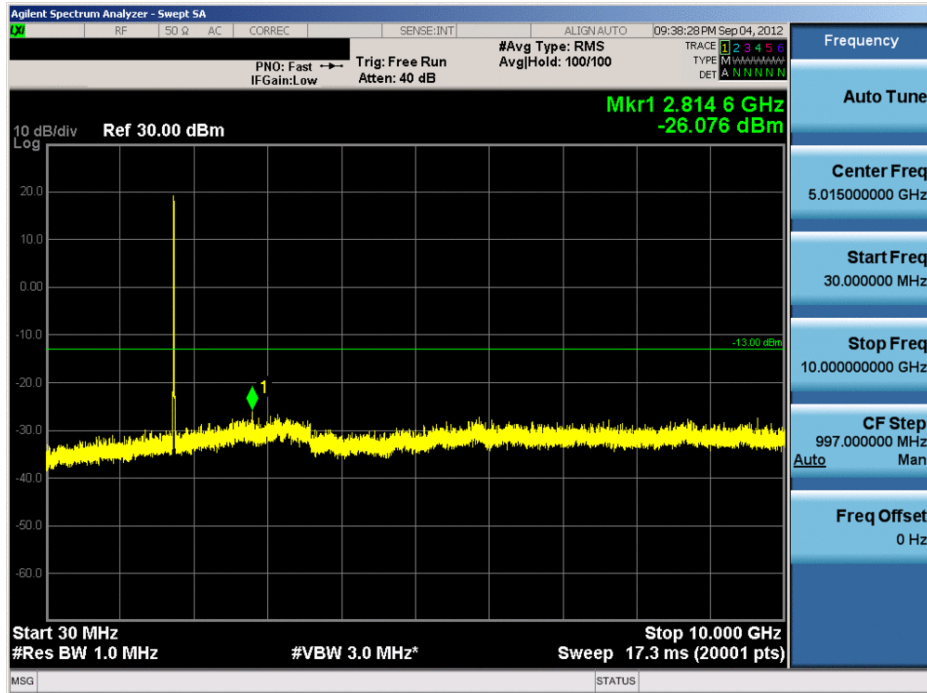


Plot 10-11. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

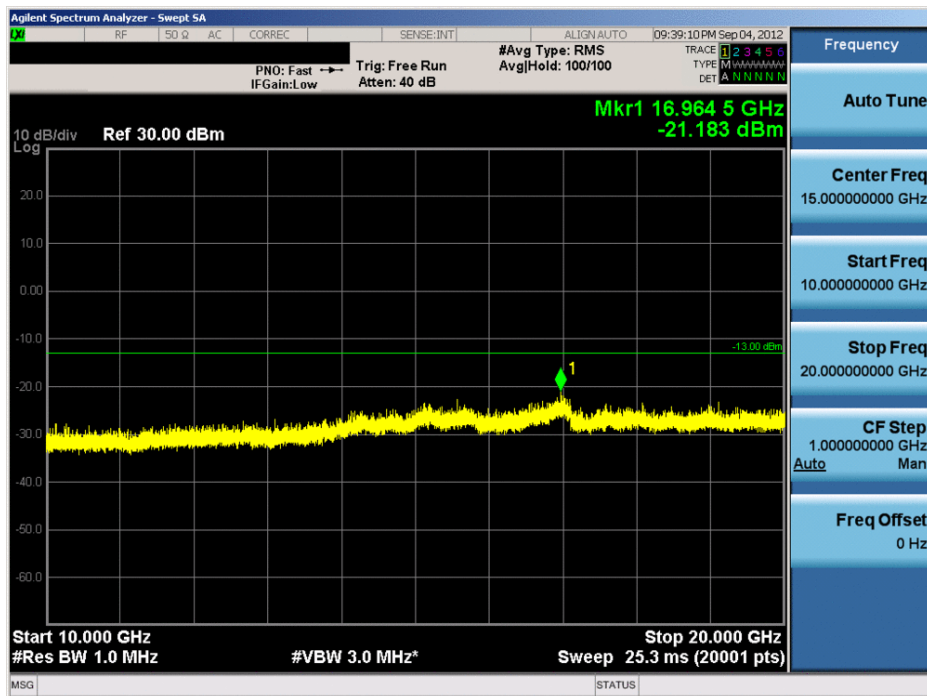


Plot 10-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 52 of 74

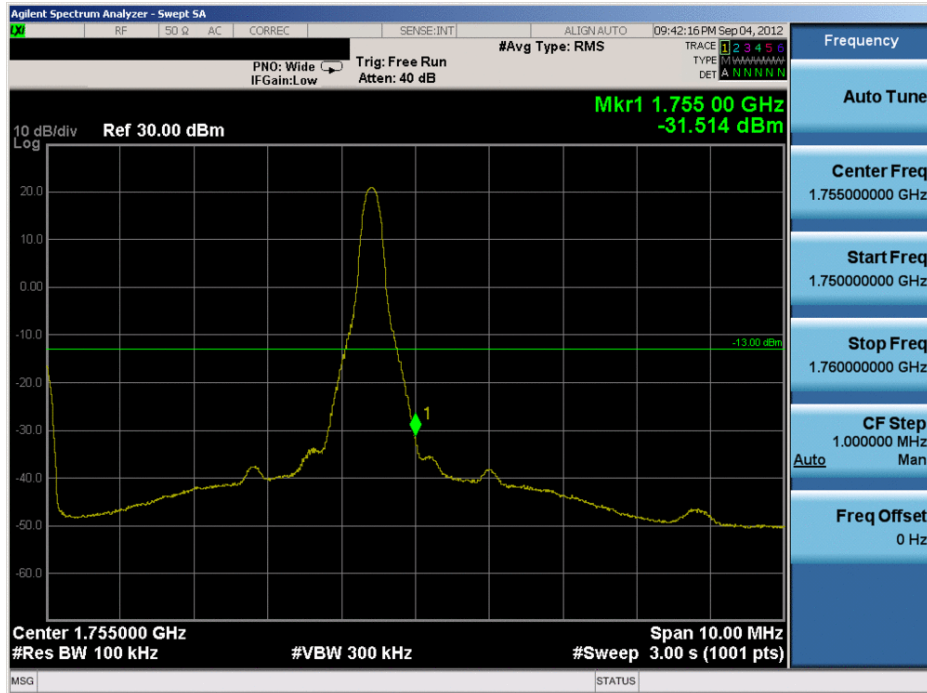


Plot 10-13. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



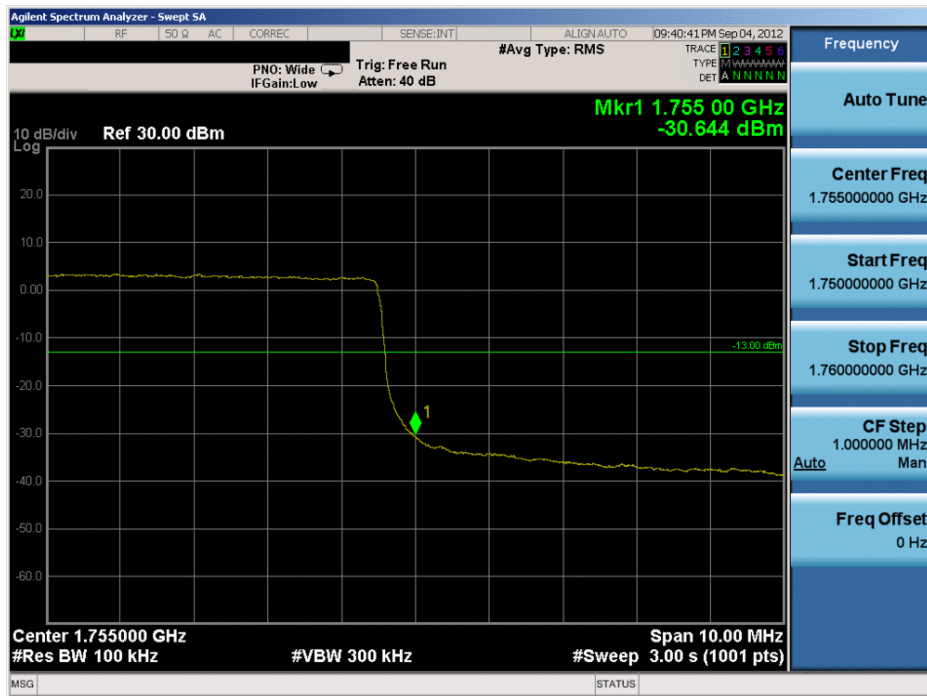
Plot 10-14. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 53 of 74



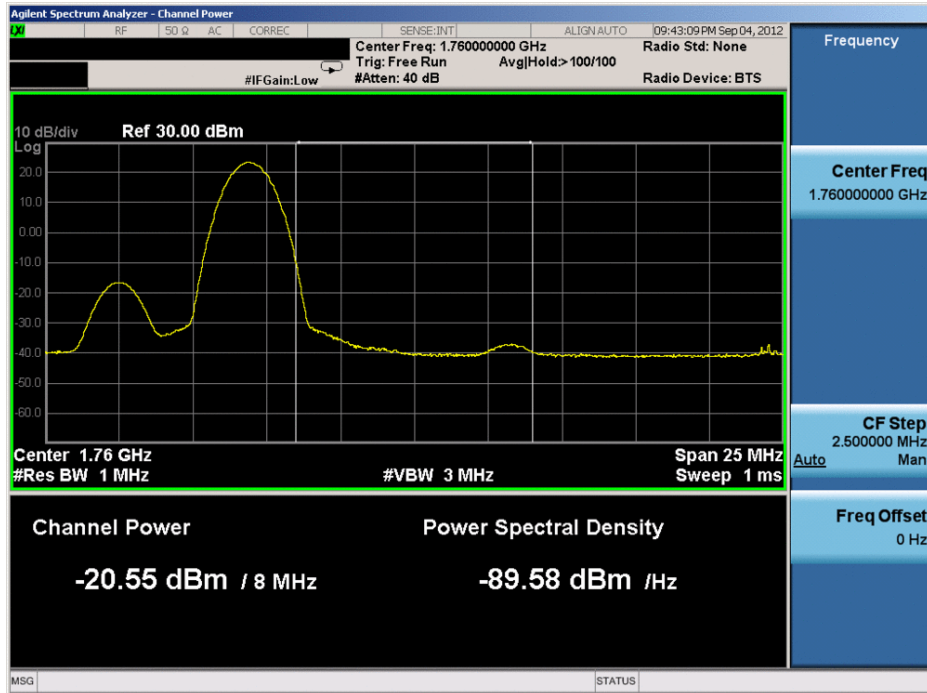
Plot 10-15. Upper Band Edge Plot (QPSK – RB Size 1, Offset 49)

Note: The Resolution Band Width use for this plot was at least 1% of the RB Size 1 Emission Band Width

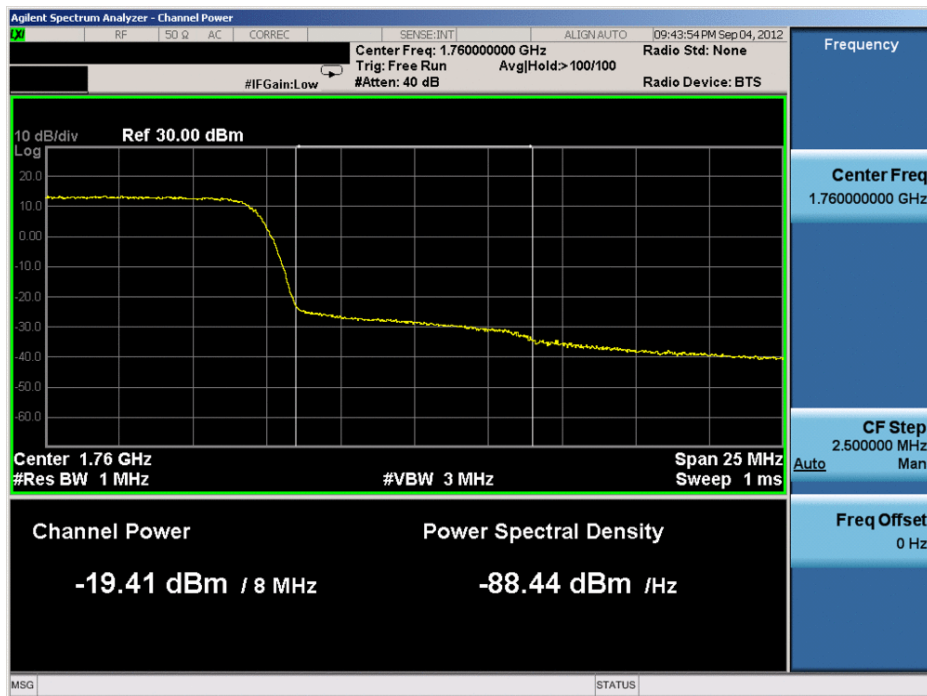


Plot 10-16. Upper Band Edge Plot (QPSK – RB Size 50)



FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 54 of 74



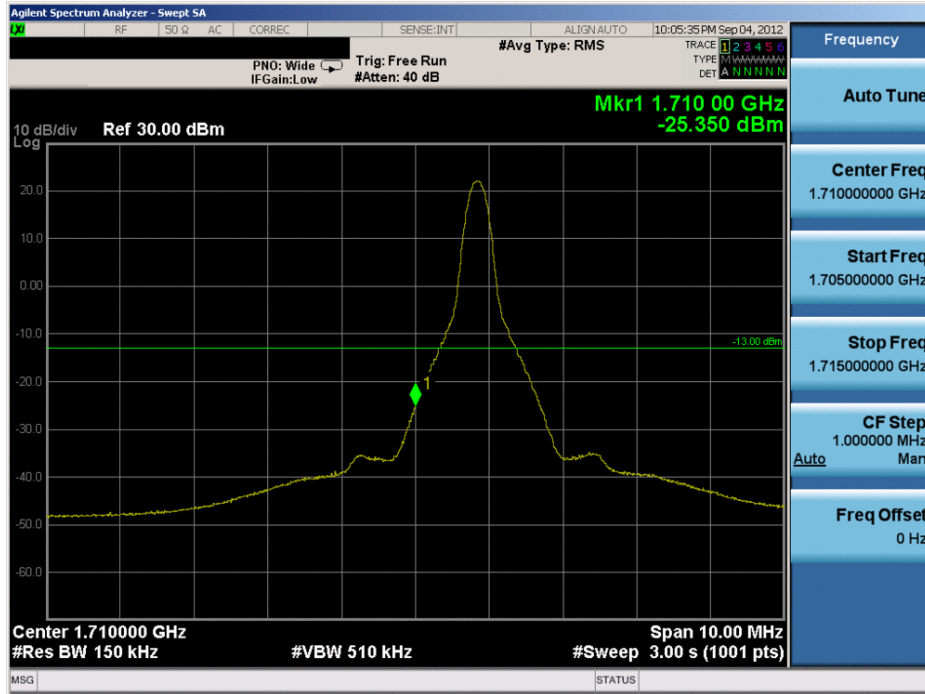
Plot 10-17. Upper Extended Band Edge Plot (QPSK – RB Size 1, Offset 49)



Plot 10-18. Upper Extended Band Edge Plot (QPSK – RB Size 50)

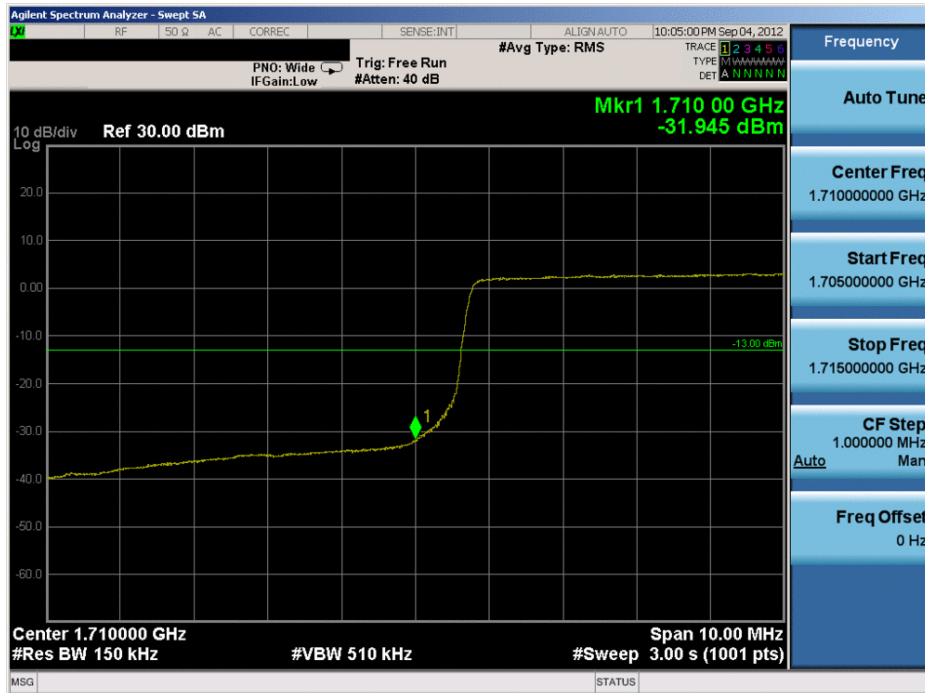
FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 55 of 74

11.0 PLOT(S) OF EMISSIONS – BAND 4 (15 MHz)



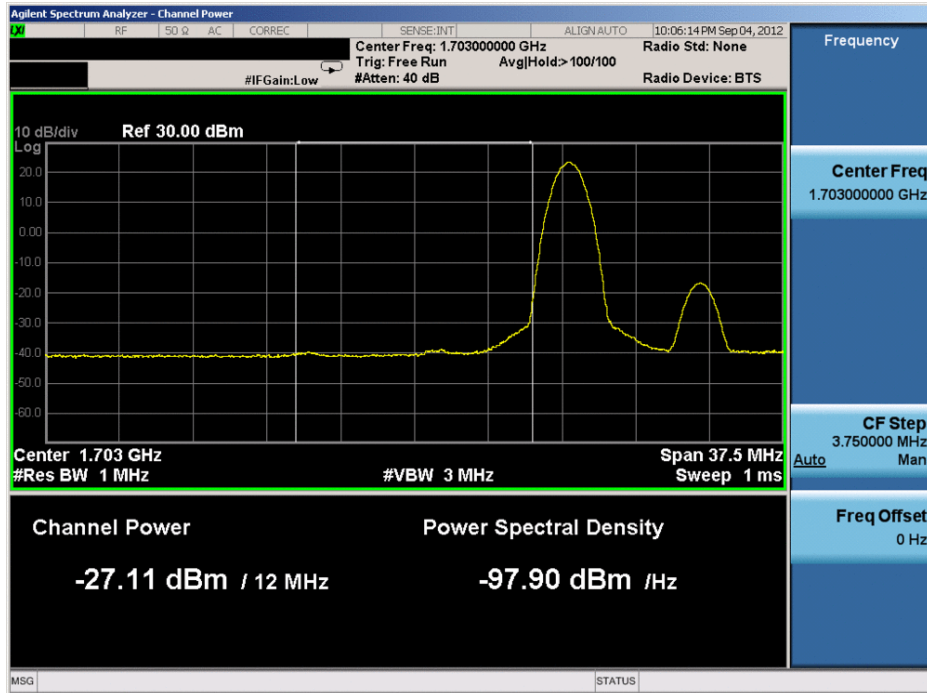
Plot 11-1. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

Note: The Resolution Band Width use for this plot was at least 1% of the RB Size 1 Emission Band Width

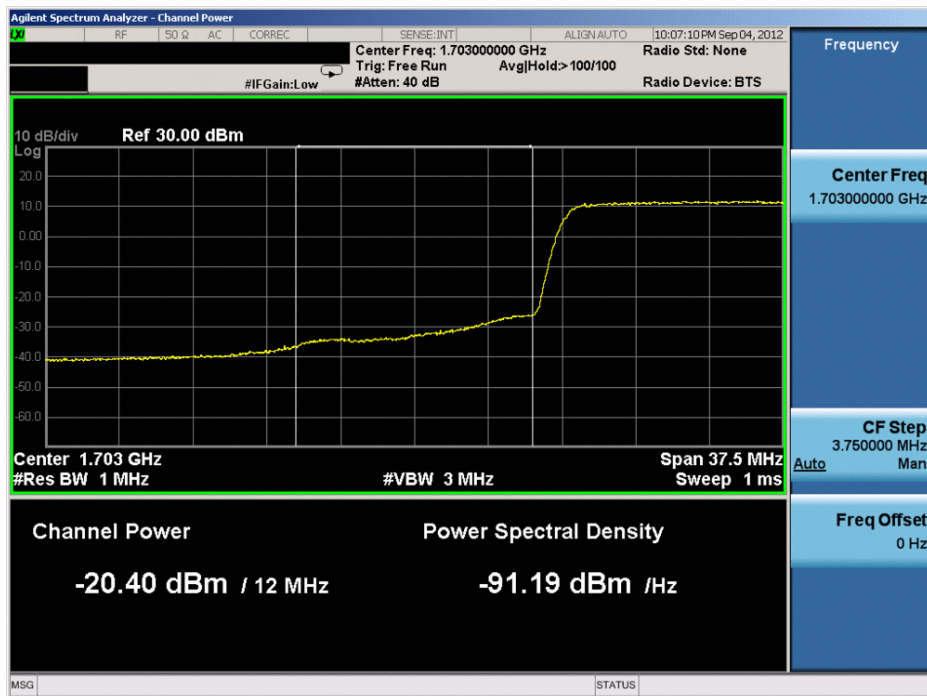


Plot 11-2. Lower Band Edge Plot (QPSK – RB Size 75)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 56 of 74

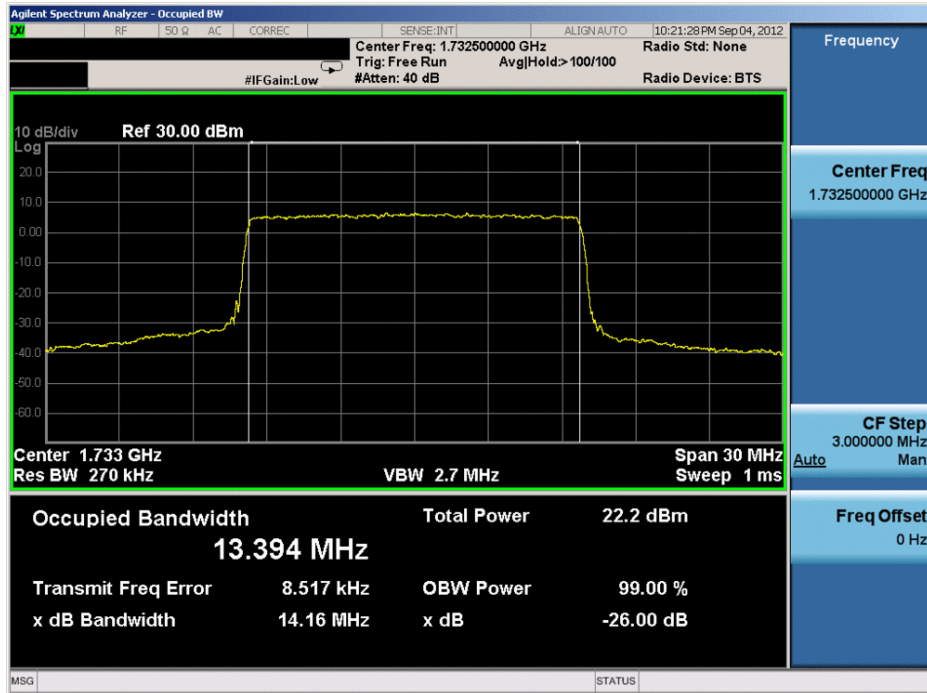


Plot 11-3. Lower Extended Band Edge Plot (QPSK – RB Size 1, Offset 0)

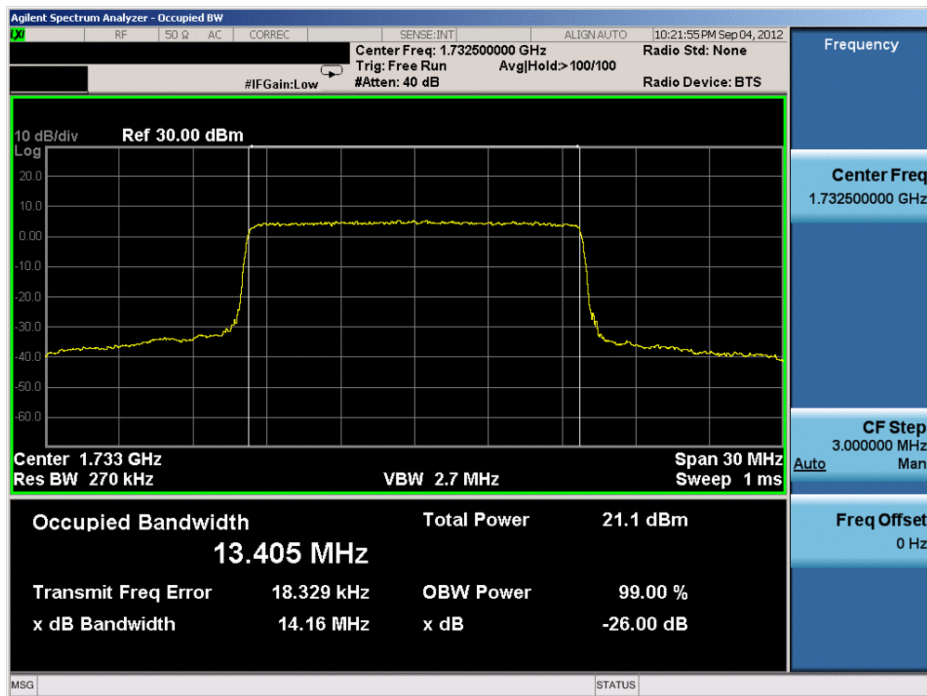


Plot 11-4. Lower Extended Band Edge Plot (QPSK – RB Size 75)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 57 of 74

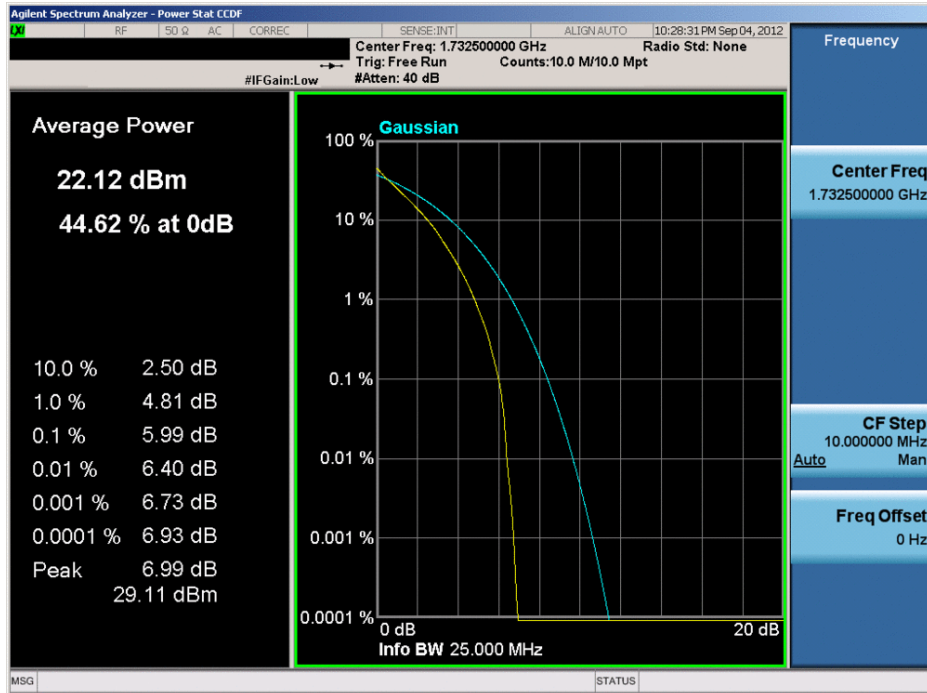


Plot 11-5. Occupied Bandwidth Plot (QPSK – RB Size 75)

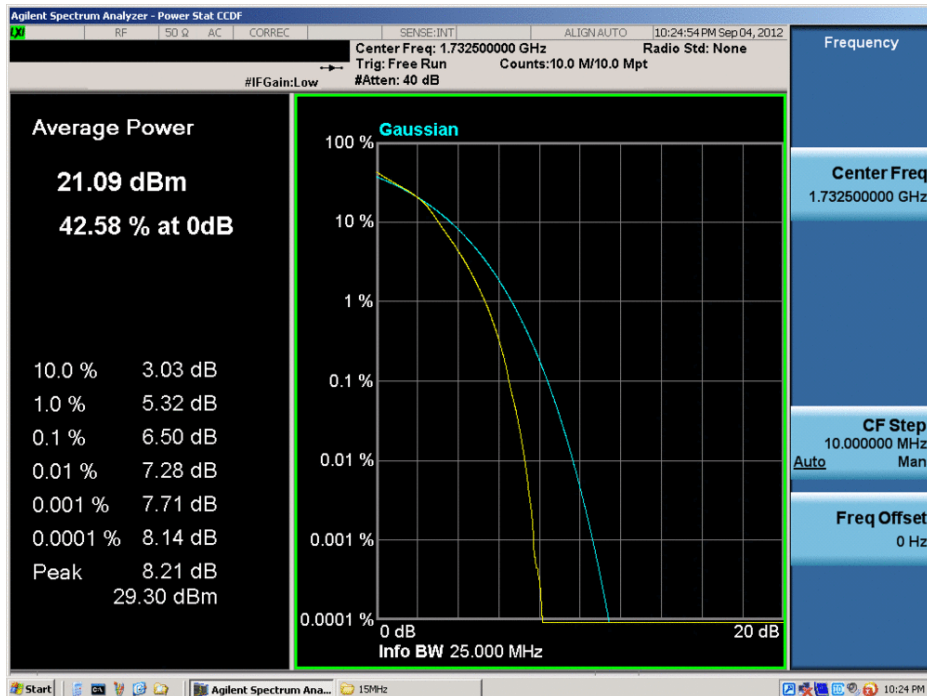


Plot 11-6. Occupied Bandwidth Plot (16-QAM – RB Size 75)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 58 of 74

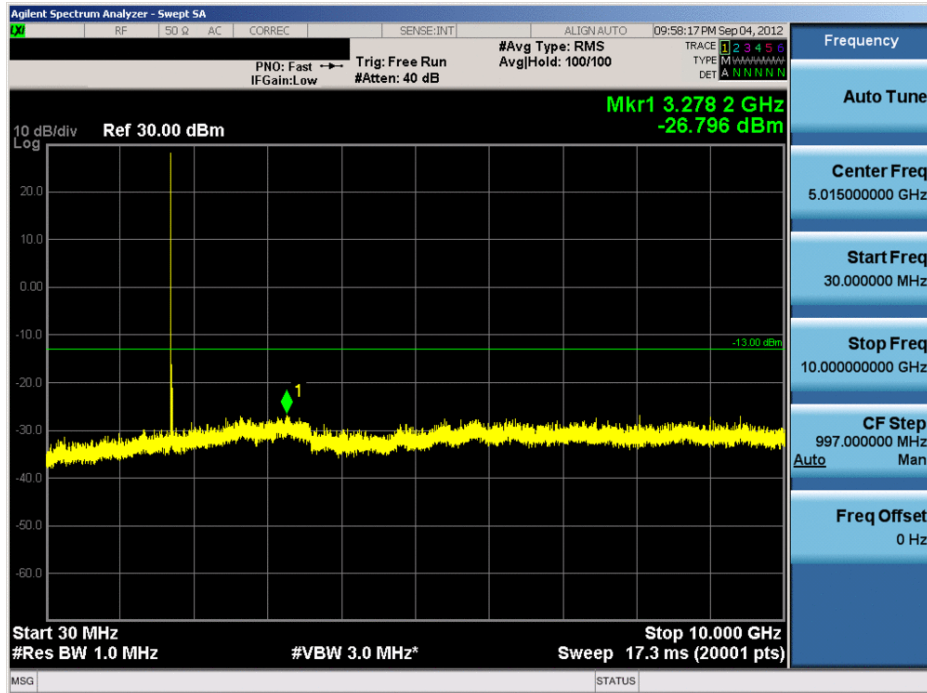


Plot 11-7. Peak to Average Ratio Plot (QPSK - RB Size 75)

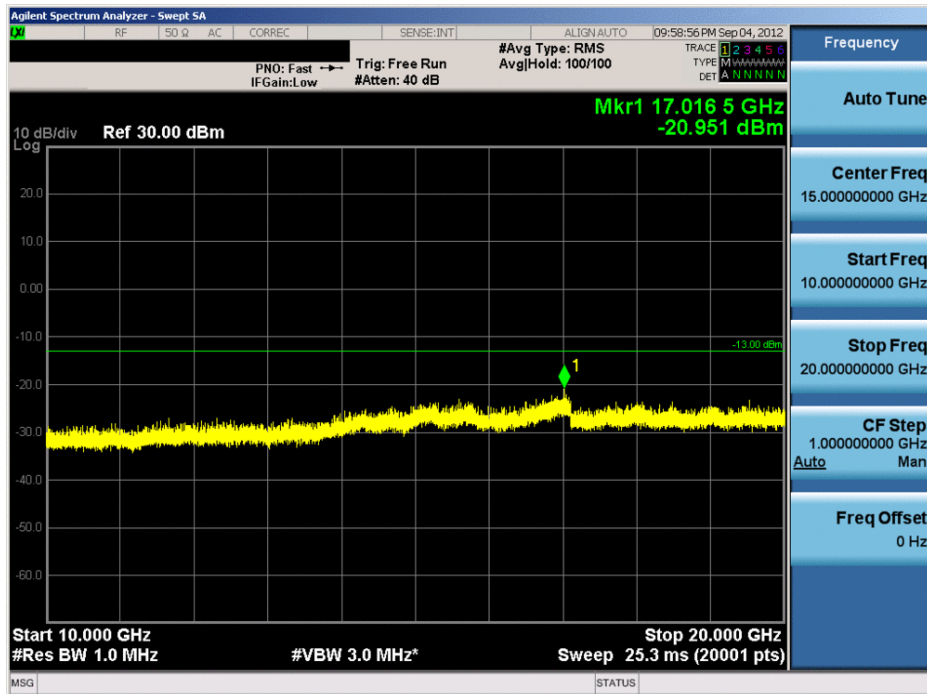


Plot 11-8. Peak to Average Ratio Plot (16QAM - RB Size 75)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 59 of 74

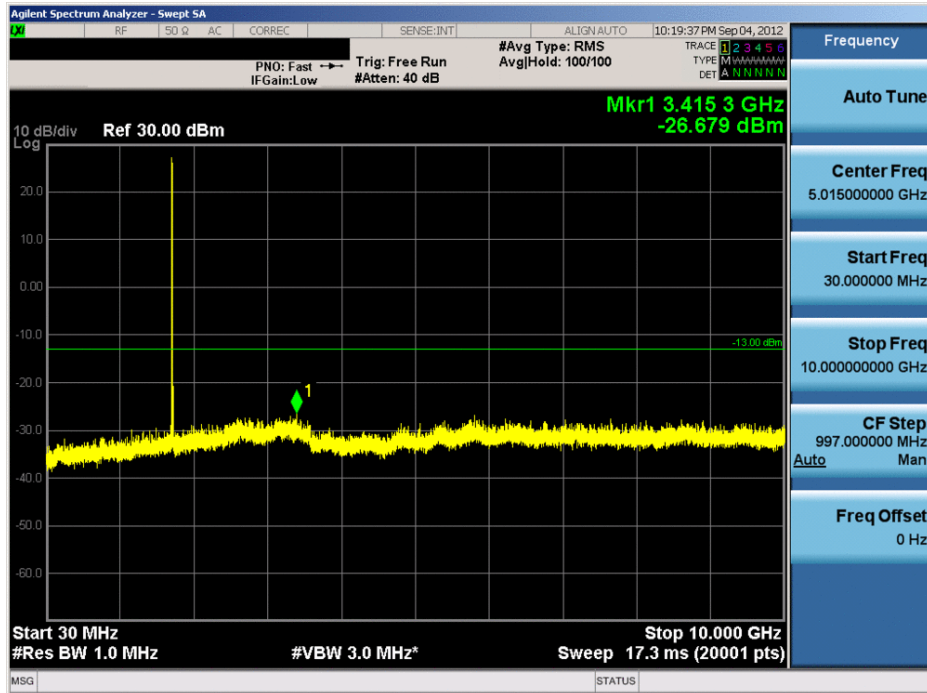


Plot 11-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

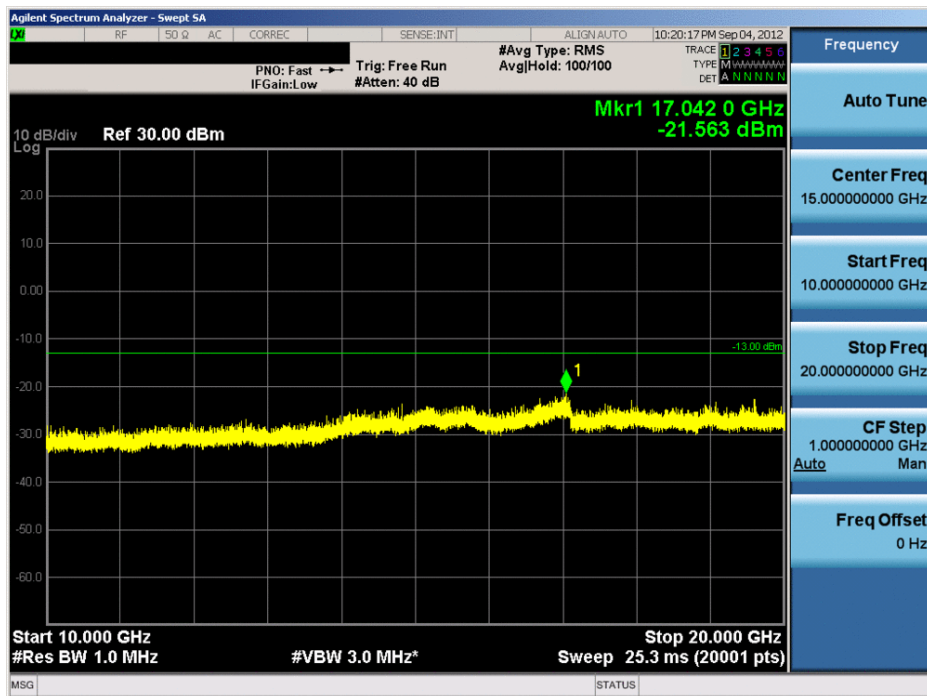


Plot 11-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)



FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 60 of 74

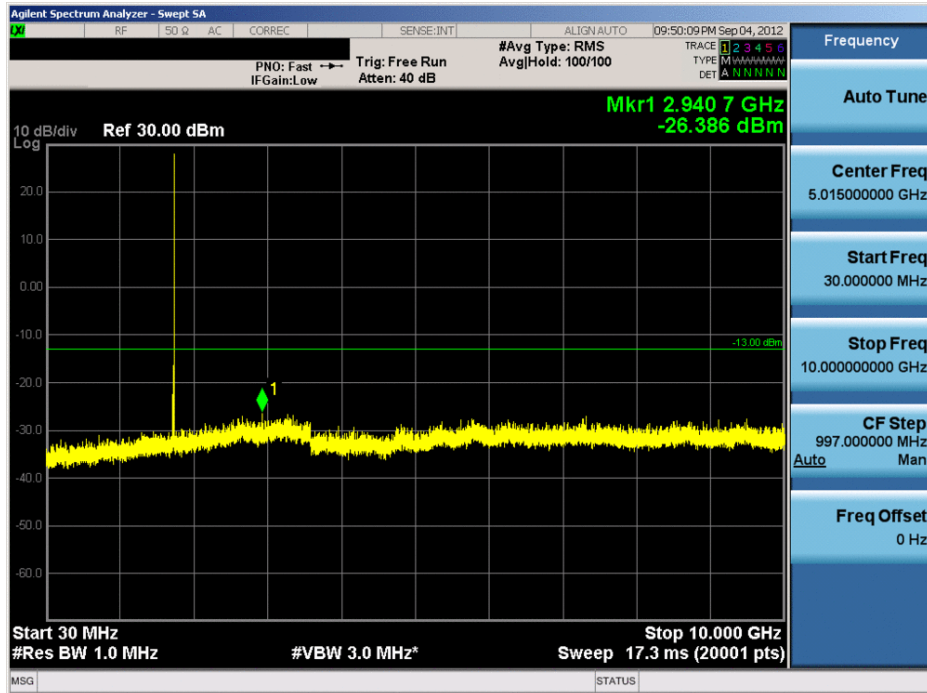


Plot 11-11. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

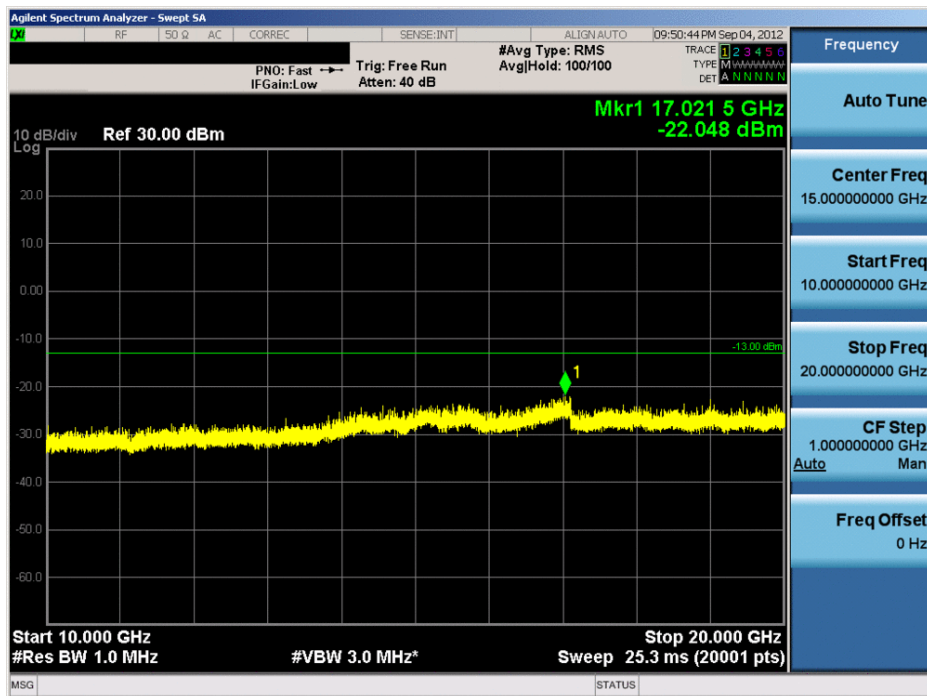


Plot 11-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 61 of 74

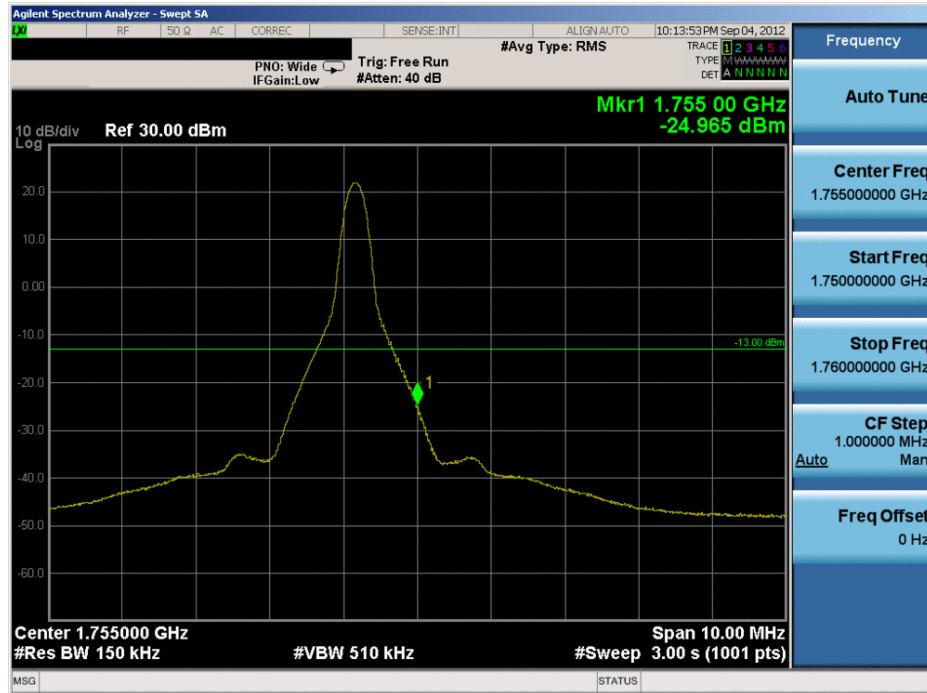


Plot 11-13. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



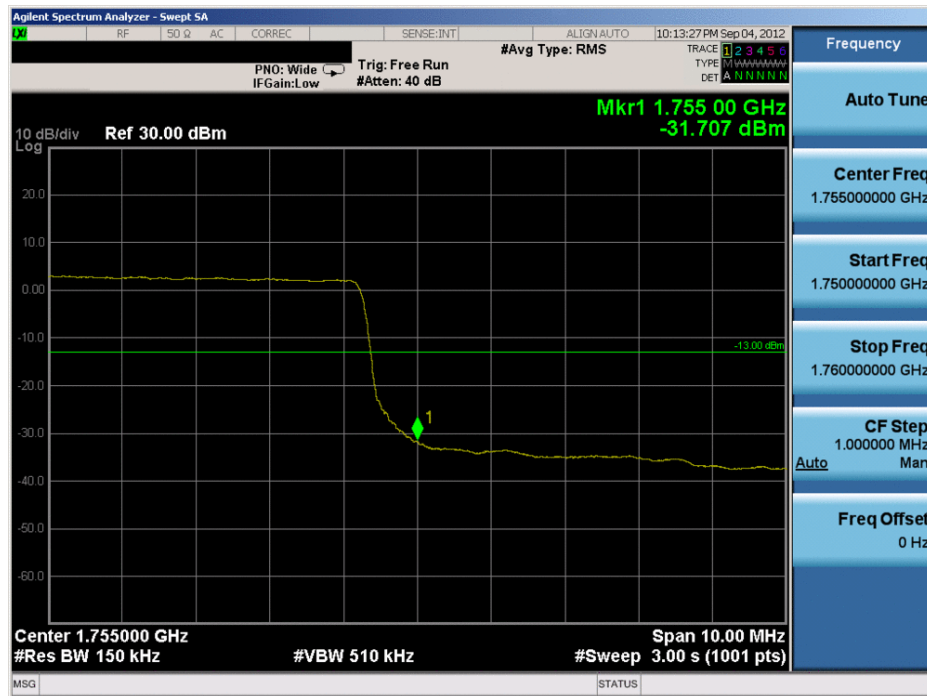
Plot 11-14. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 62 of 74



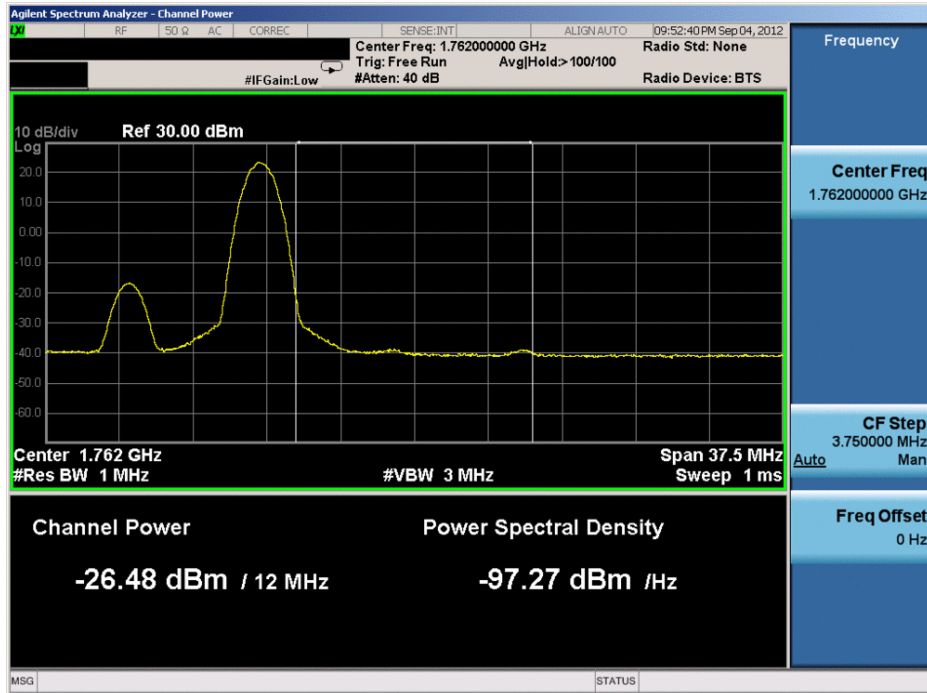
Plot 11-15. Upper Band Edge Plot (QPSK – RB Size 1, Offset 74)

Note: The Resolution Band Width use for this plot was at least 1% of the RB Size 1 Emission Band Width

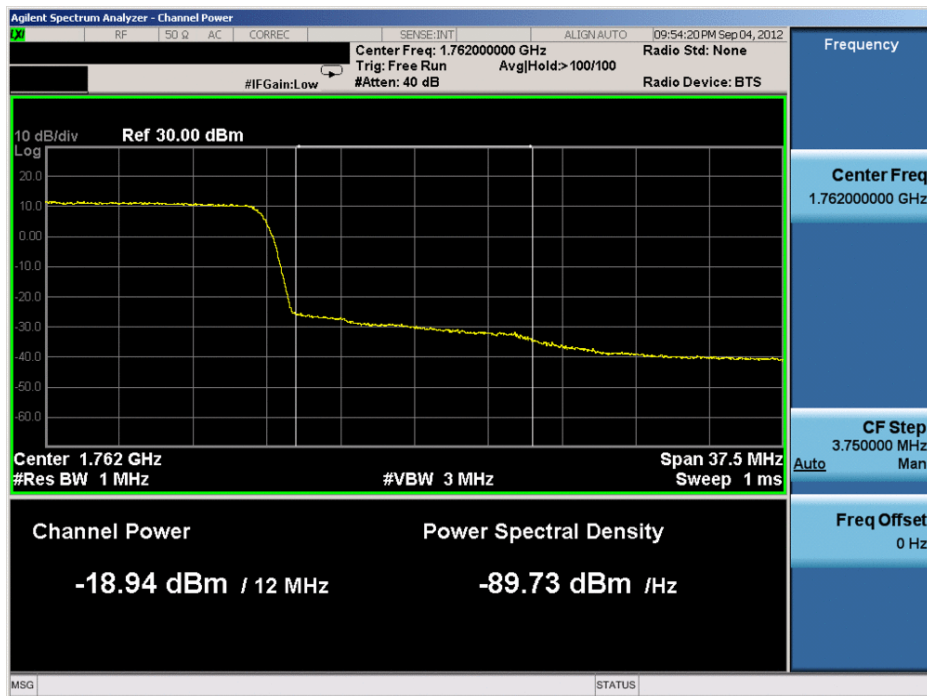


Plot 11-16. Upper Band Edge Plot (QPSK – RB Size 75)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 63 of 74



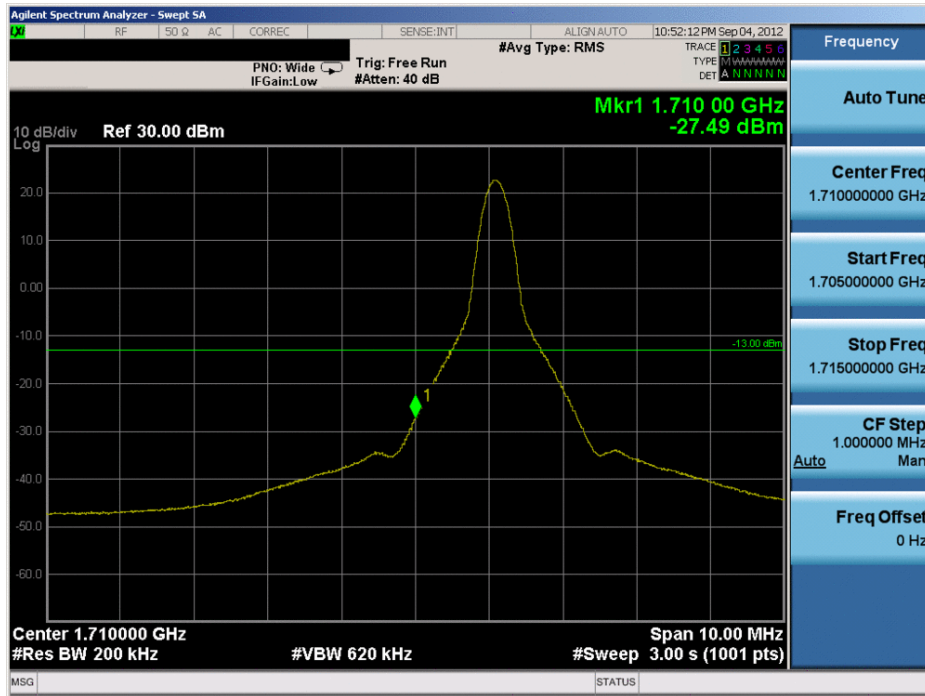
Plot 11-17. Upper Extended Band Edge Plot (QPSK – RB Size 1, Offset 74)



Plot 11-18. Upper Extended Band Edge Plot (QPSK – RB Size 75)

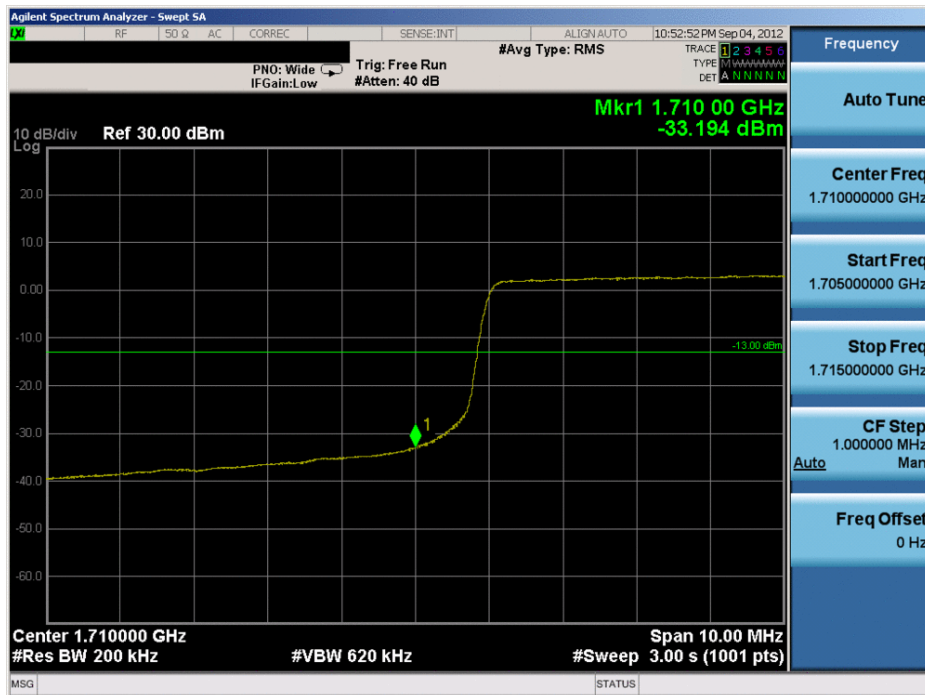
FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 64 of 74

12.0 PLOT(S) OF EMISSIONS – BAND 4 (20 MHz)



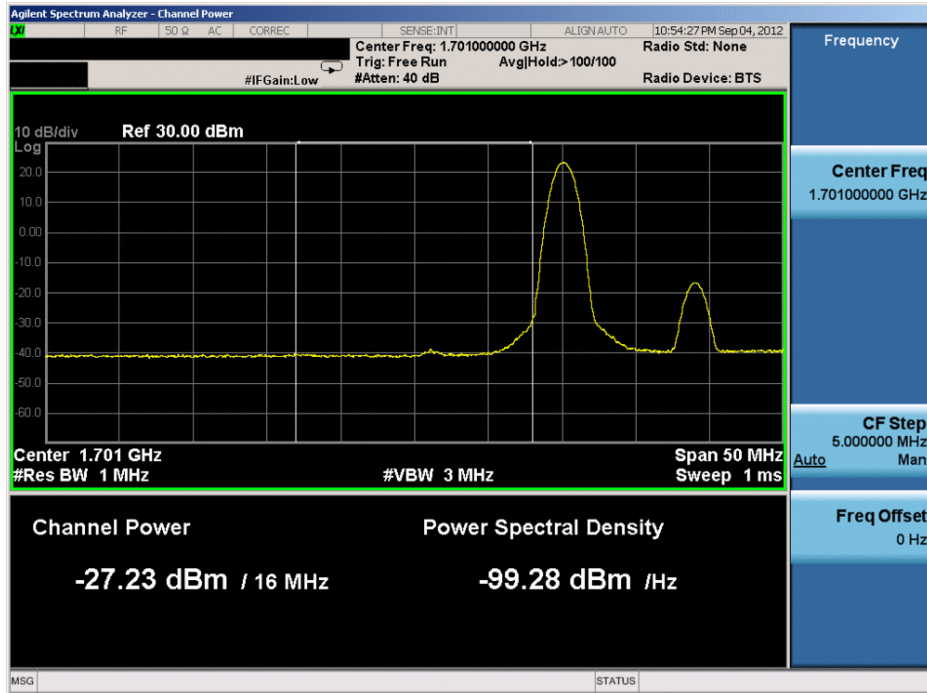
Plot 12-1. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

Note: The Resolution Band Width use for this plot was at least 1% of the RB Size 1 Emission Band Width

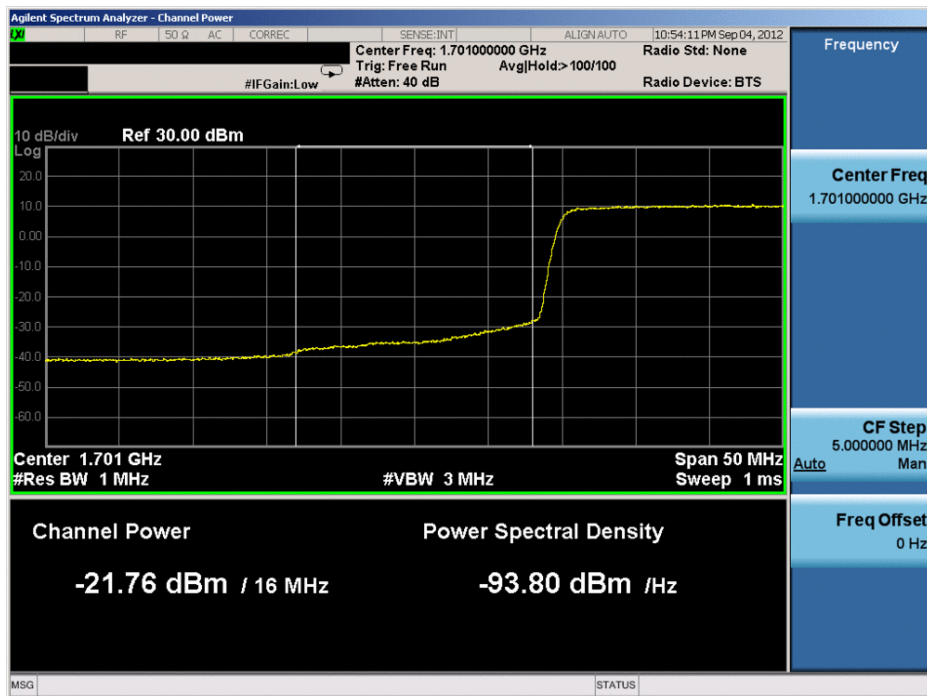


Plot 12-2. Lower Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 65 of 74

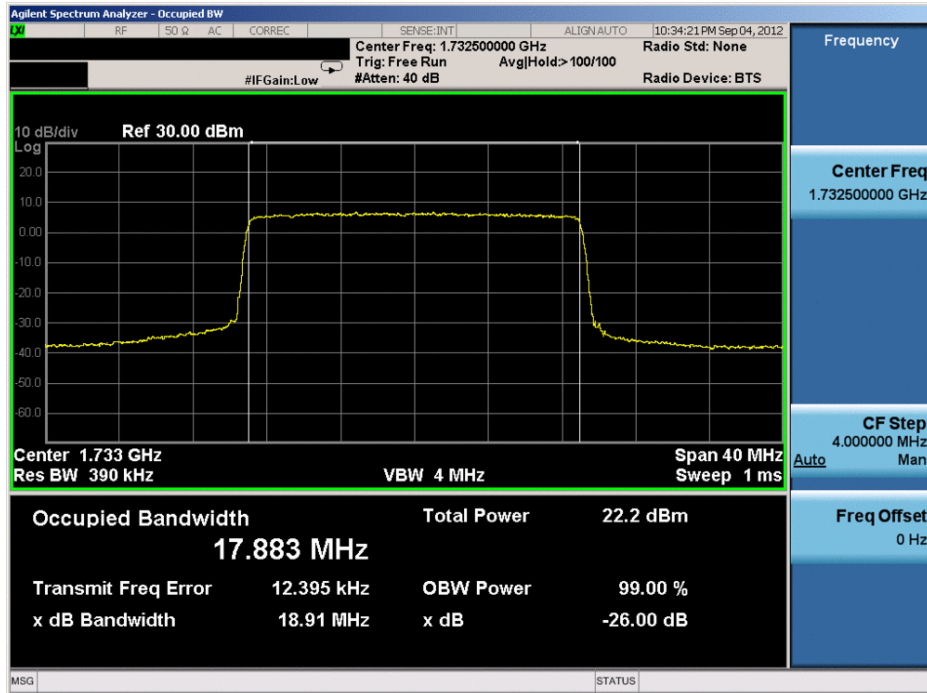


Plot 12-3. Lower Extended Band Edge Plot (QPSK – RB Size 1, Offset 0)

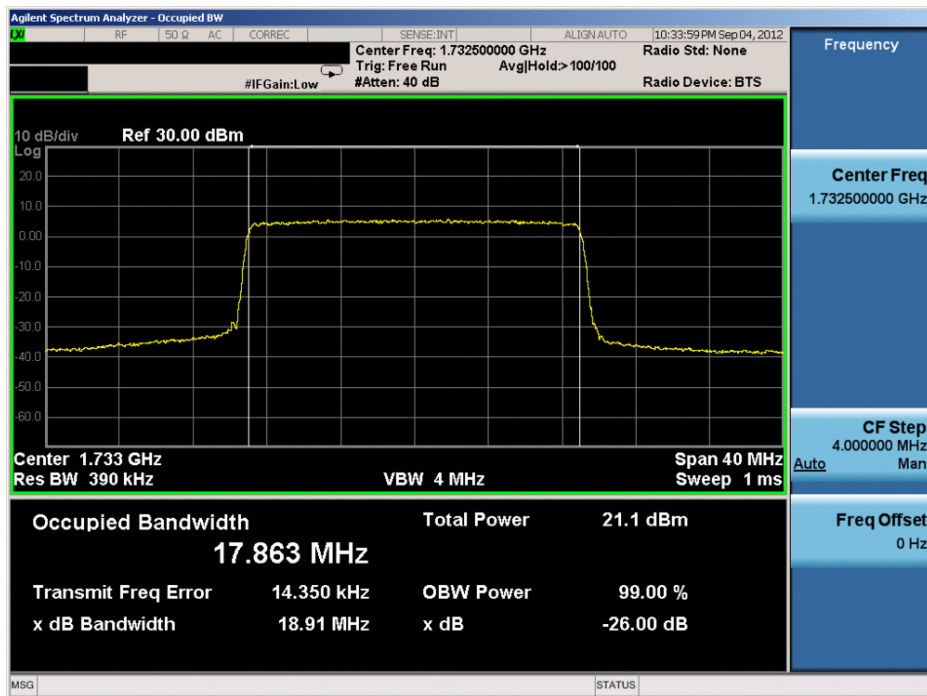


Plot 12-4. Lower Extended Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 66 of 74

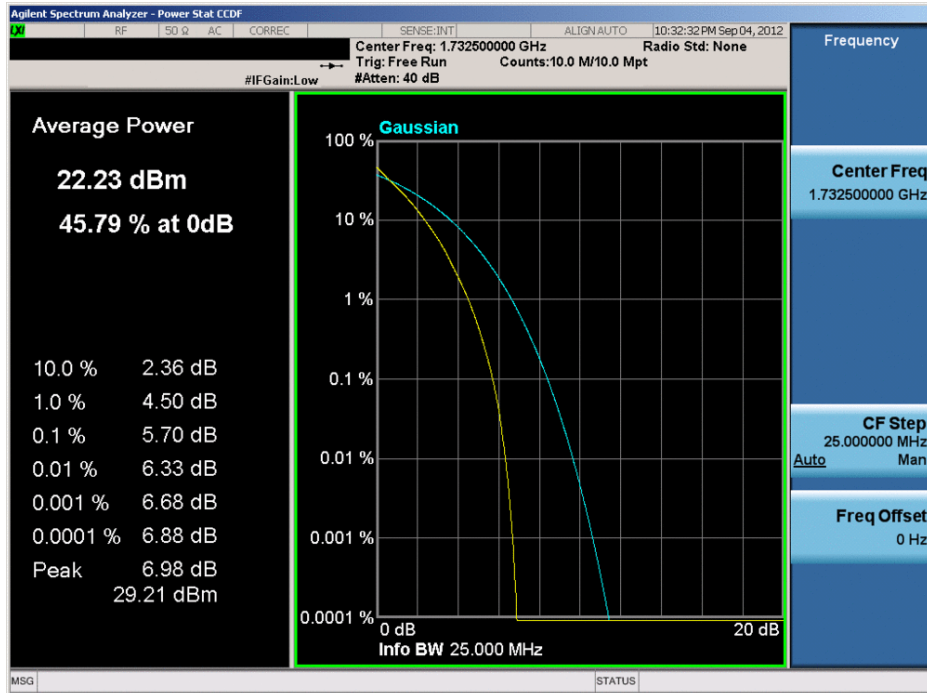


Plot 12-5. Occupied Bandwidth Plot (QPSK – RB Size 100)

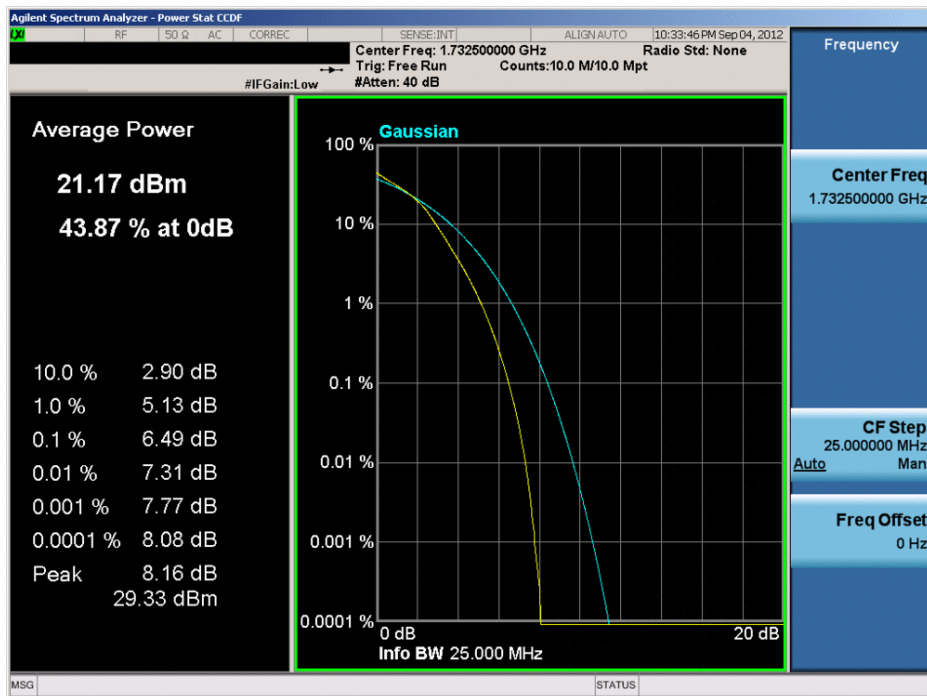


Plot 12-6. Occupied Bandwidth Plot (16-QAM – RB Size 100)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 67 of 74

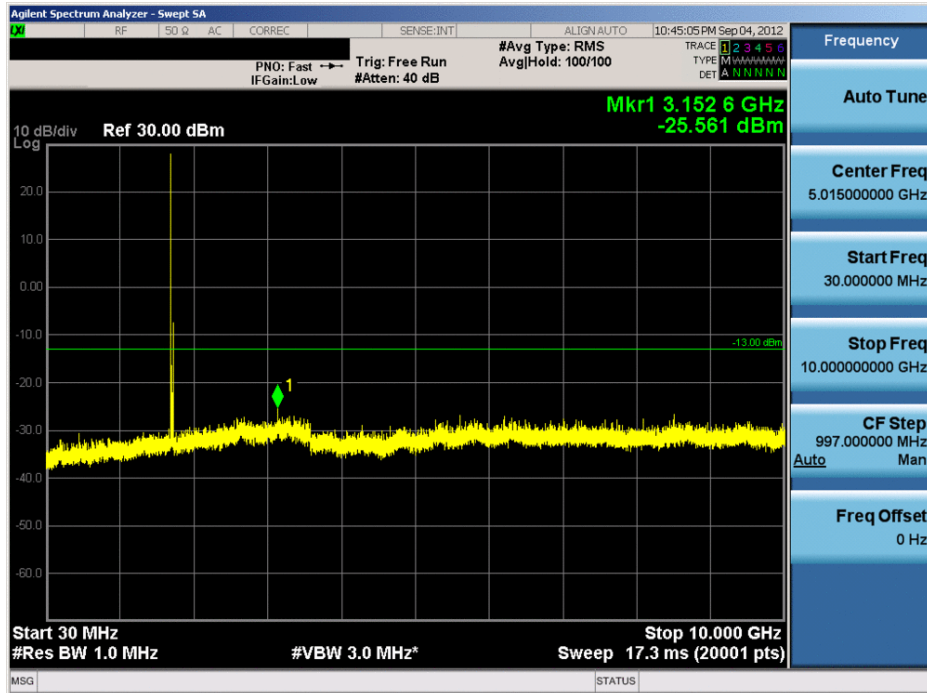


Plot 12-7. Peak to Average Ratio Plot (QPSK - RB Size 100)

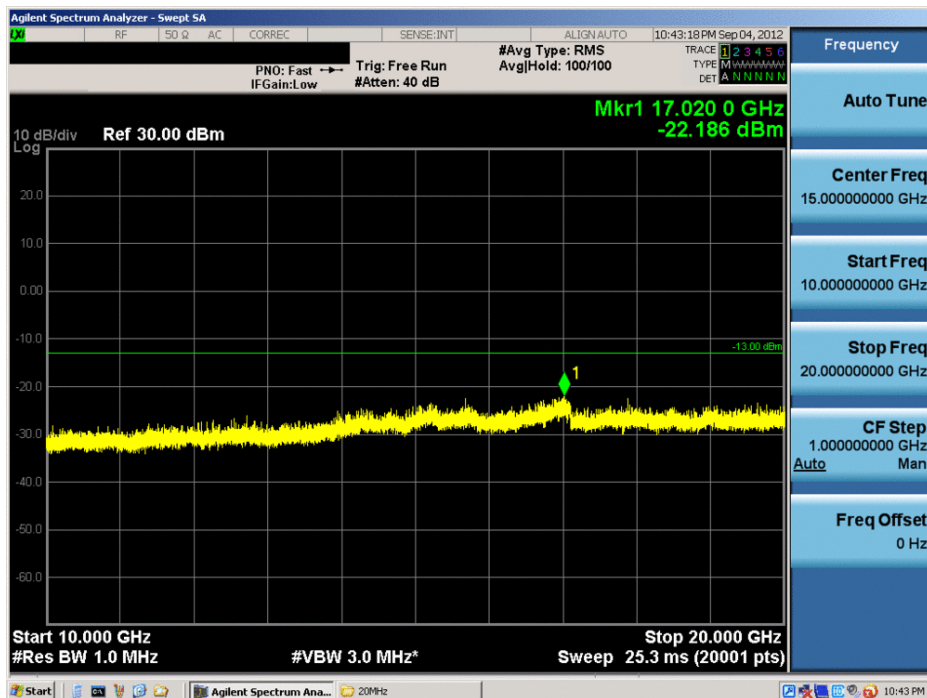


Plot 12-8. Peak to Average Ratio Plot (16QAM - RB Size 100)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 68 of 74

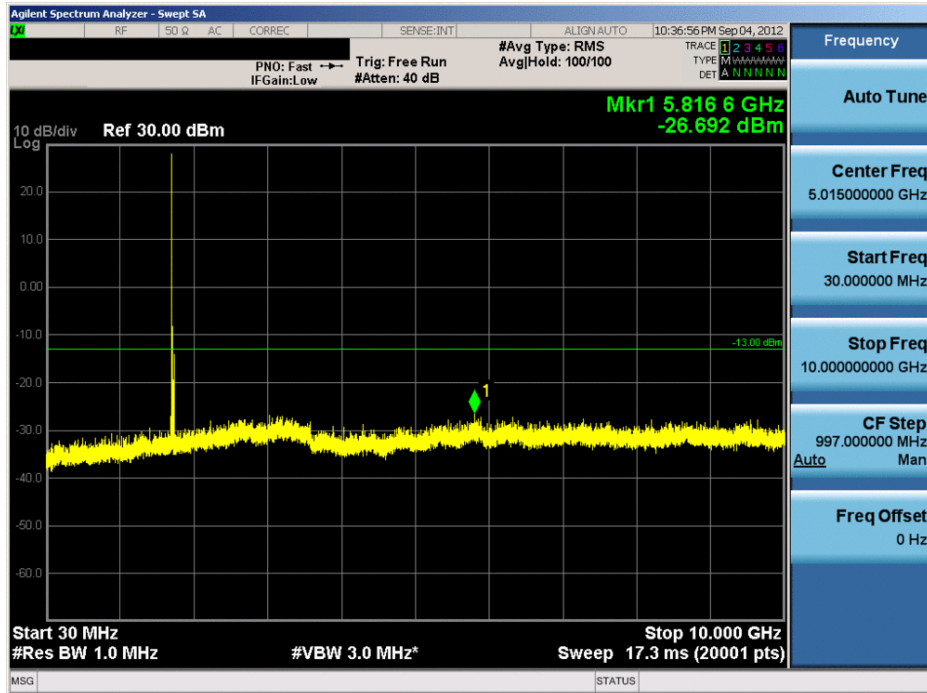


Plot 12-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

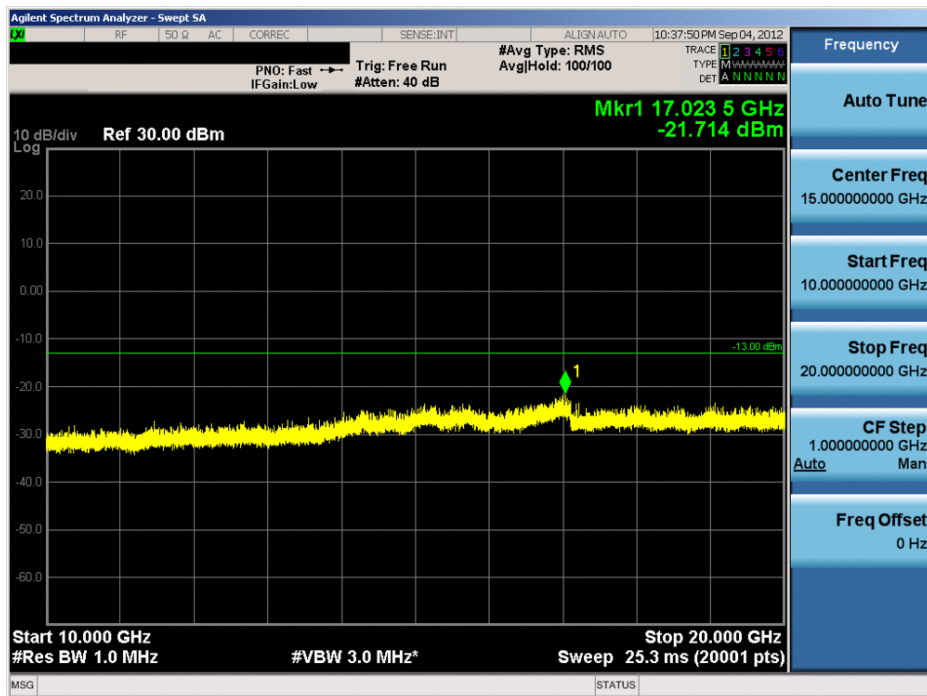


Plot 12-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 69 of 74

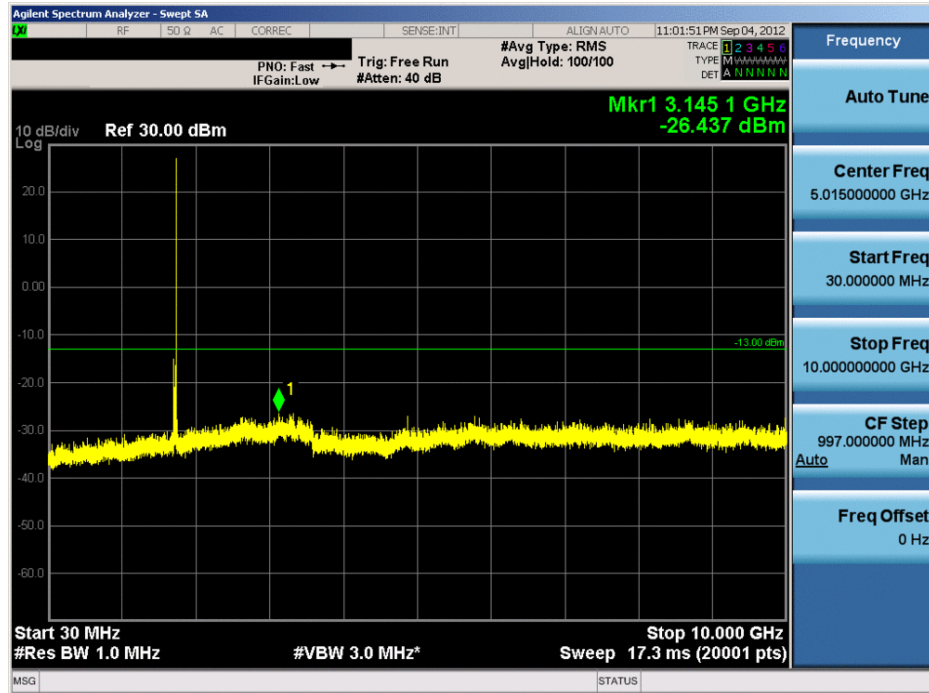


Plot 12-11. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

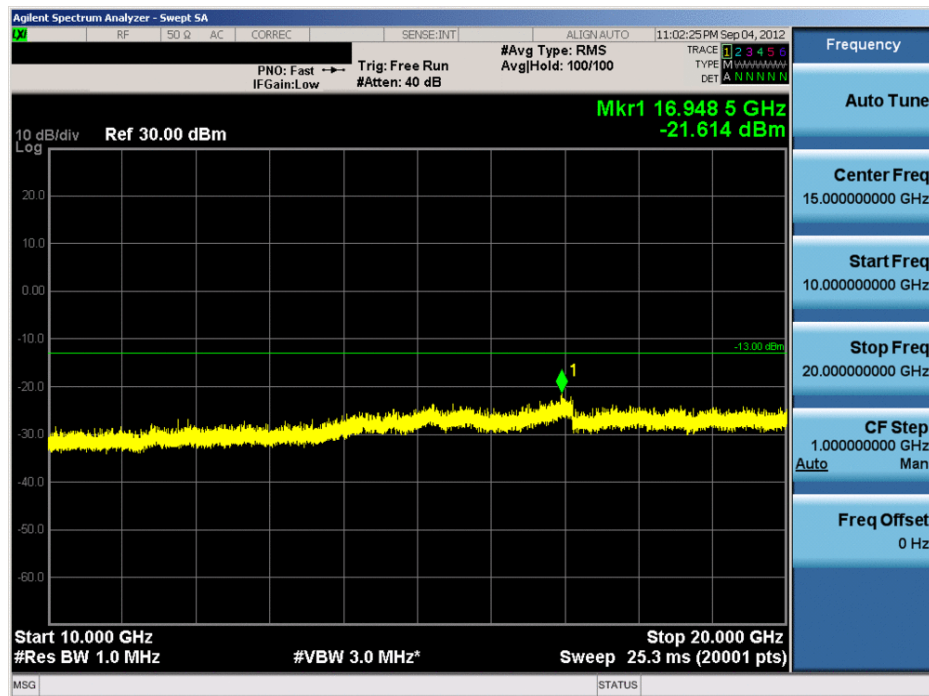


Plot 12-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 70 of 74

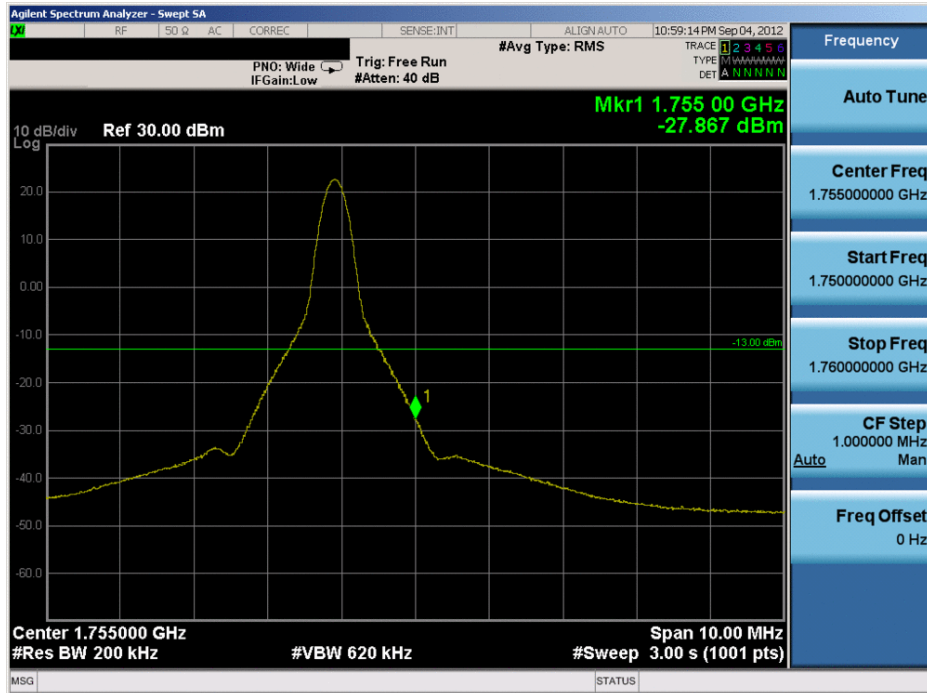


Plot 12-13. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



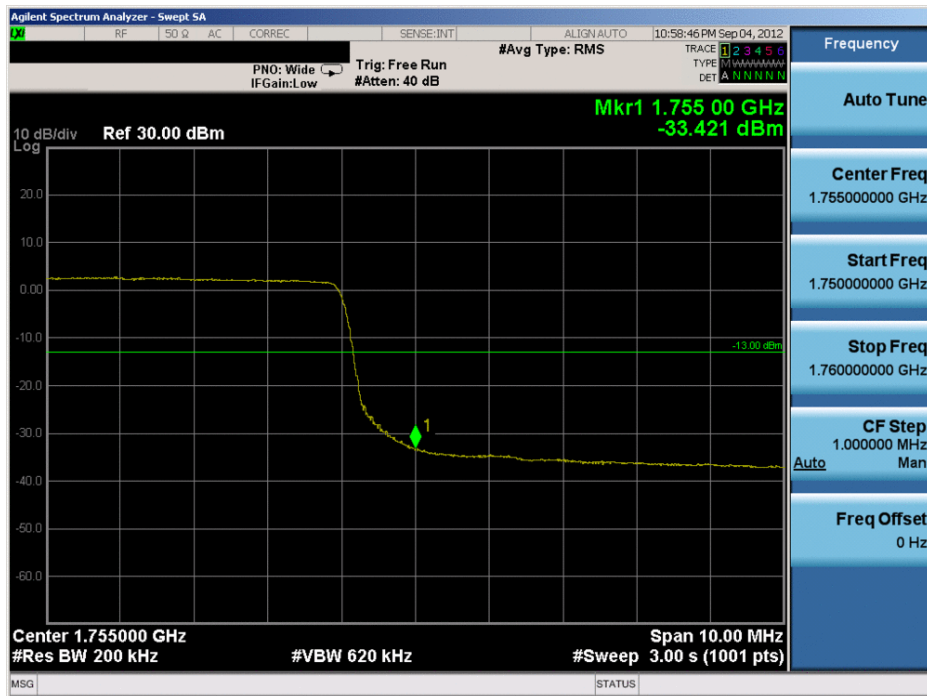
Plot 12-14. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208241208.A3L	Test Dates: 09/04/2012-09/18/2012	EUT Type: Portable Handset		Page 71 of 74



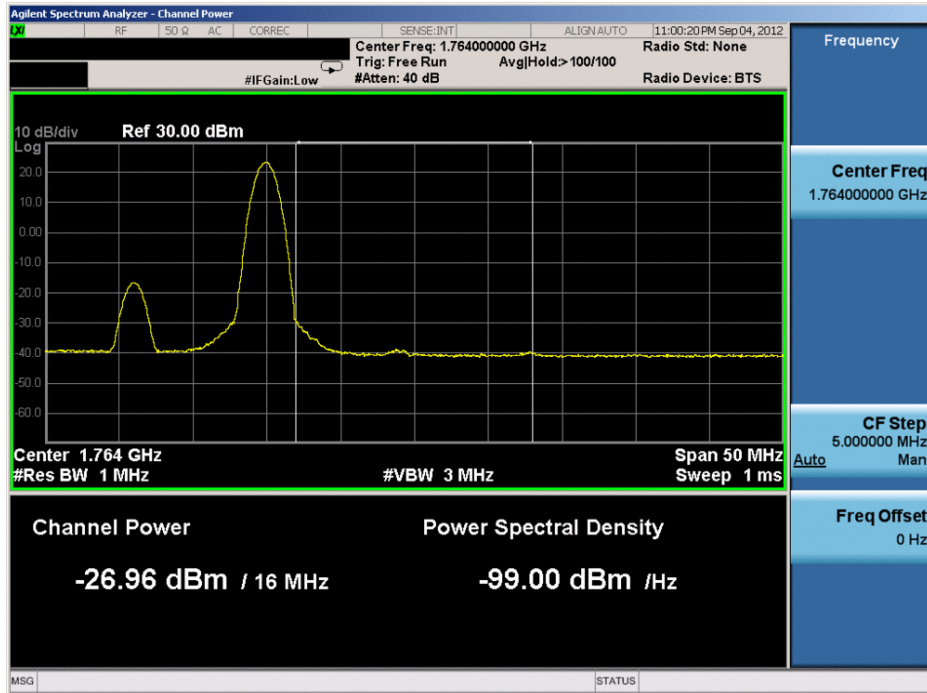
Plot 12-15. Upper Band Edge Plot (QPSK – RB Size 1, Offset 99)

Note: The Resolution Band Width use for this plot was at least 1% of the RB Size 1 Emission Band Width

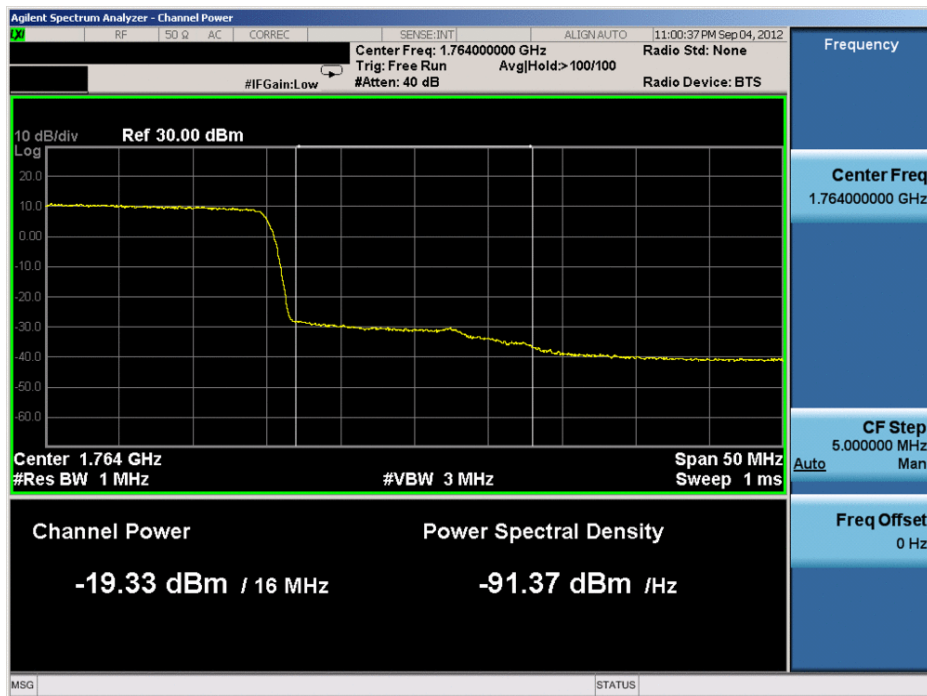


Plot 12-16. Upper Band Edge Plot (QPSK – RB Size 100)



FCC ID: A3LSGHT889	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
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Plot 12-17. Upper Extended Band Edge Plot (QPSK – RB Size 1, Offset 99)





Plot 12-18. Upper Extended Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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13.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSGHT889** complies with all the requirements of Parts 2, 22, 24 and 27 of the FCC rules for LTE operation only.

FCC ID: A3LSGHT889		FCC Pt. 22-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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