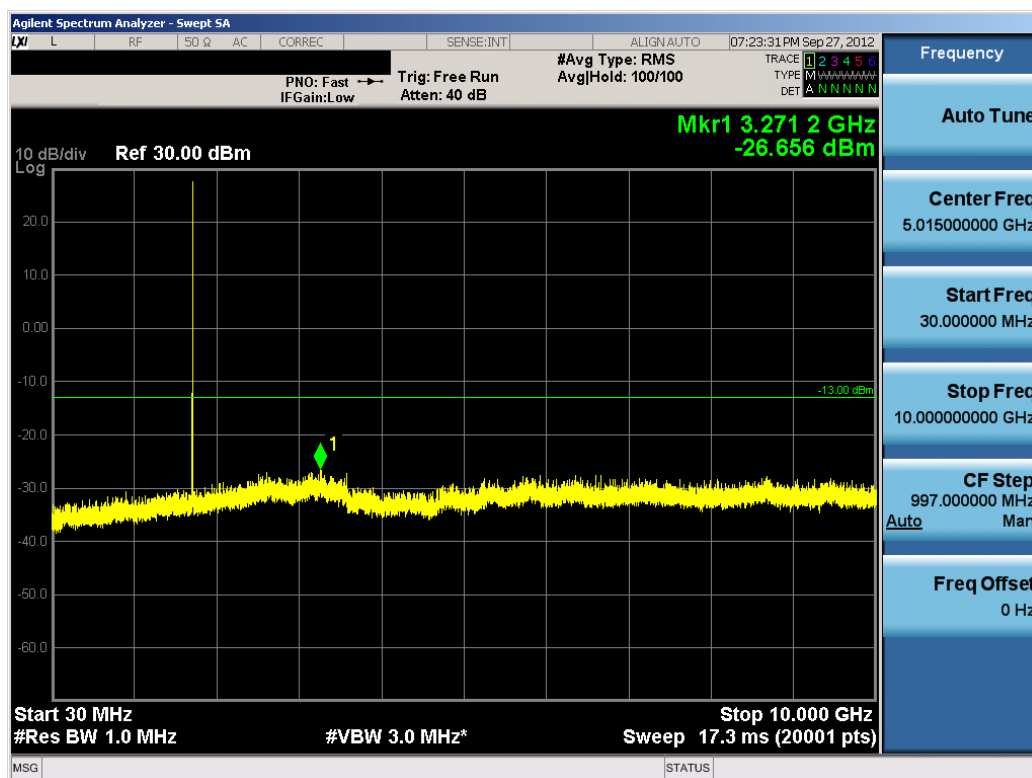
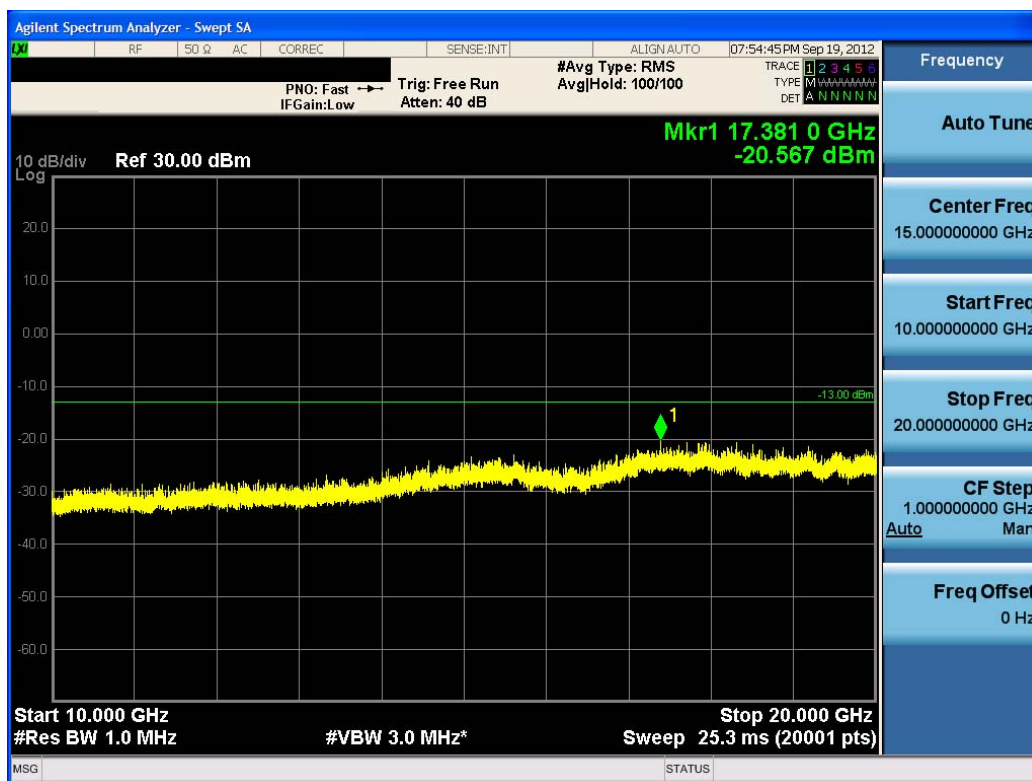


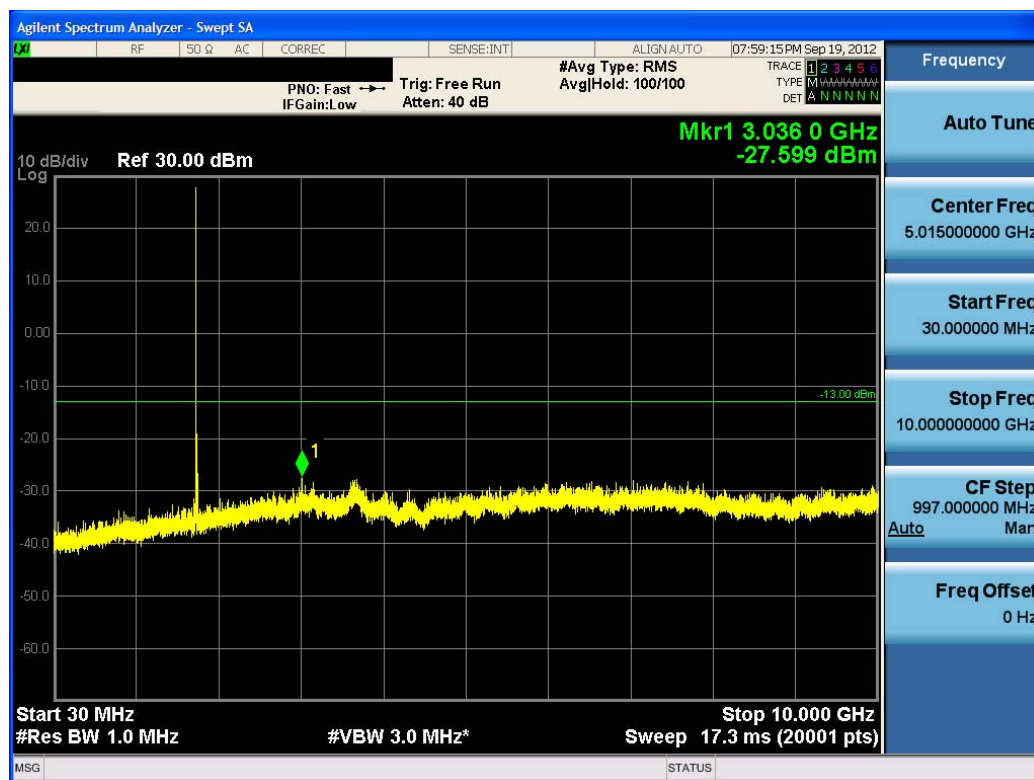


Plot 10-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



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

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 56 of 101





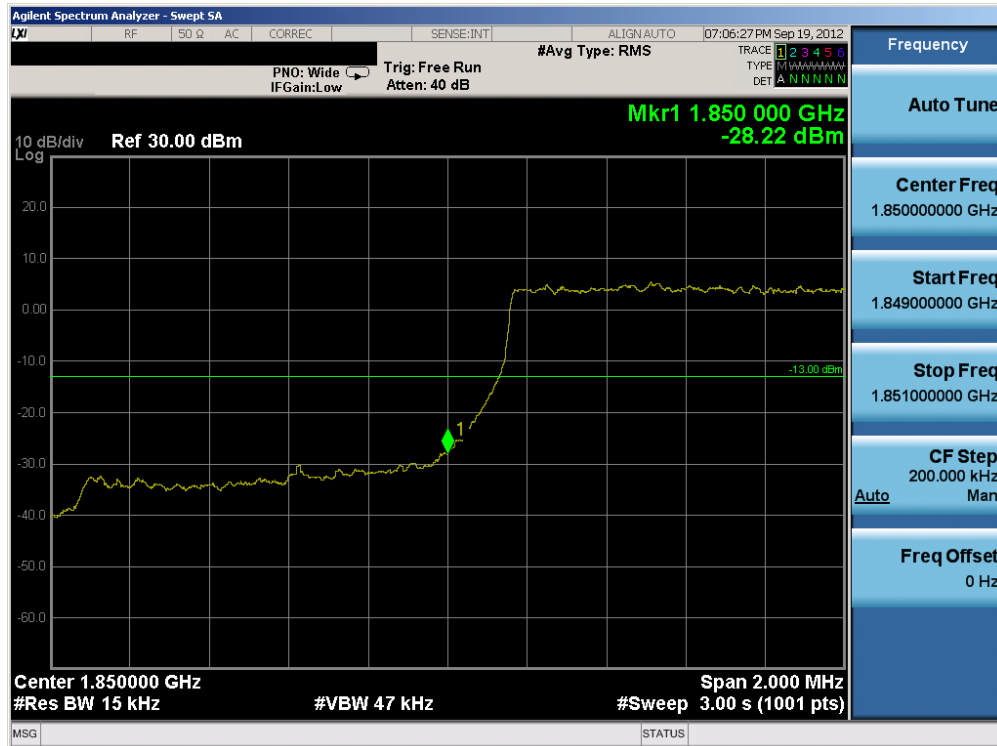
Plot 10-13. Upper Band Edge Plot (QPSK – RB Size 50)



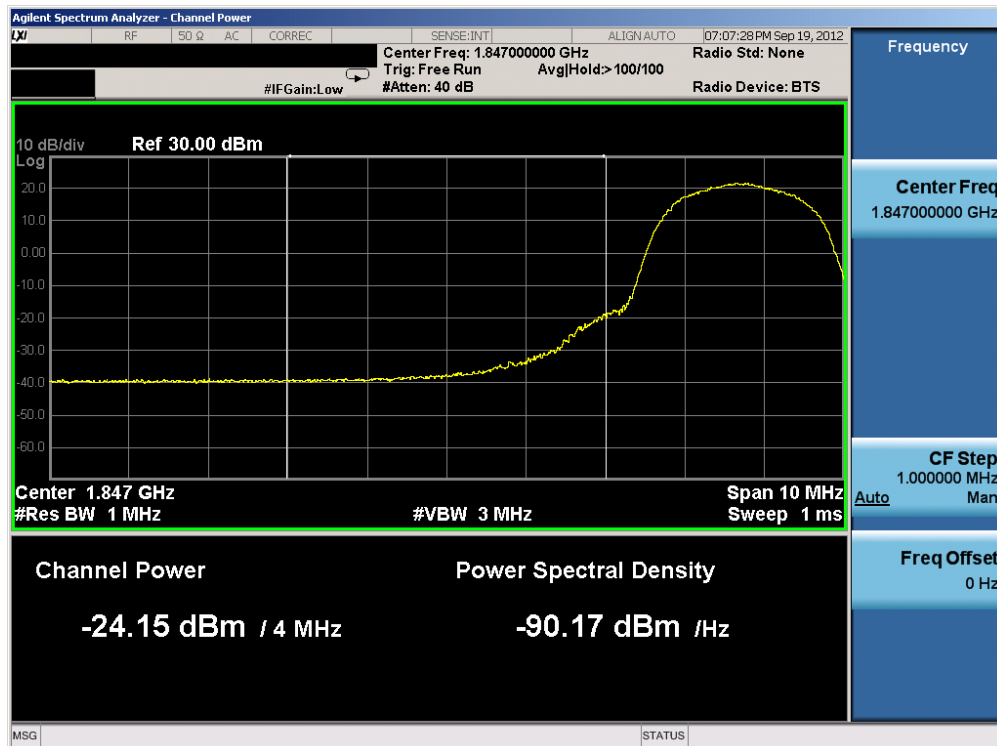
Plot 10-14. Upper Extended Band Edge Plot (QPSK – RB Size 50)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 58 of 101

11.0 BAND 2 – 1.4 MHz BW

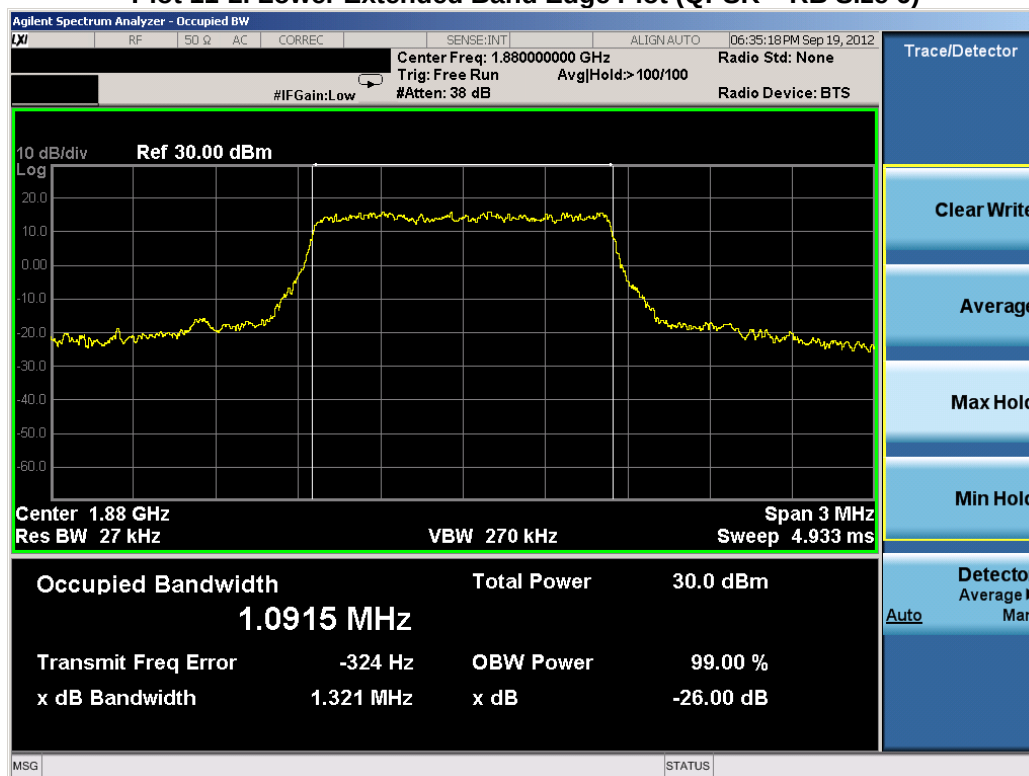


Plot 11-1. Lower Band Edge Plot (QPSK – RB Size 6)

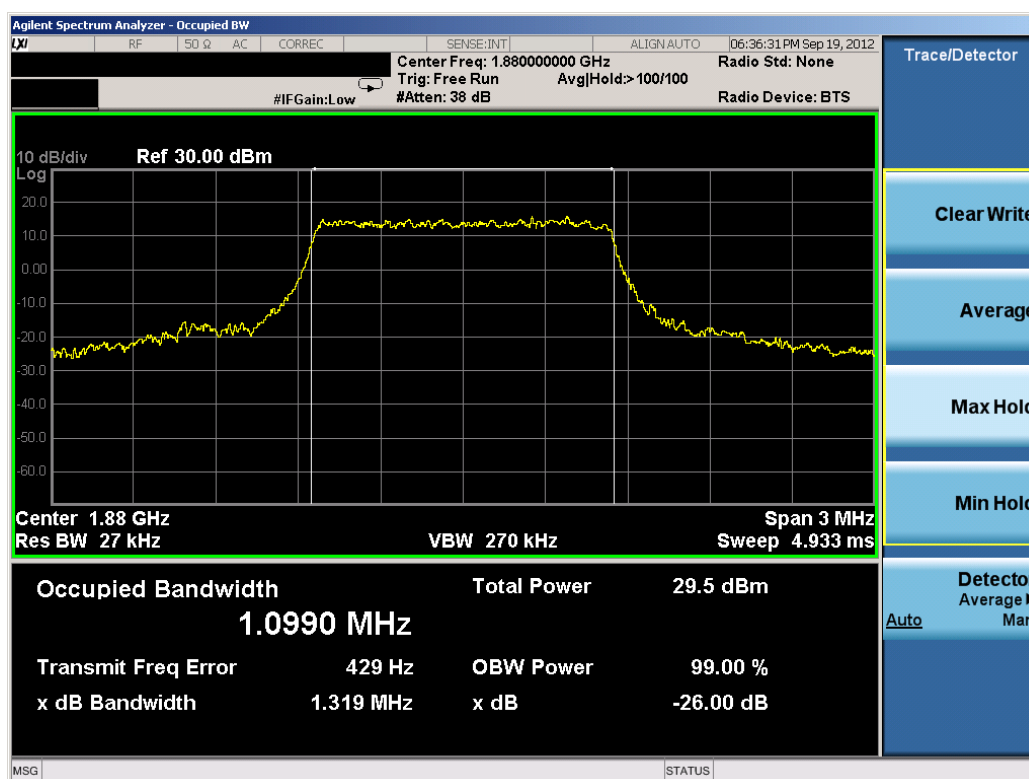


FCC ID: ZNFMS870			FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset			Page 59 of 101

Plot 11-2. Lower Extended Band Edge Plot (QPSK – RB Size 6)

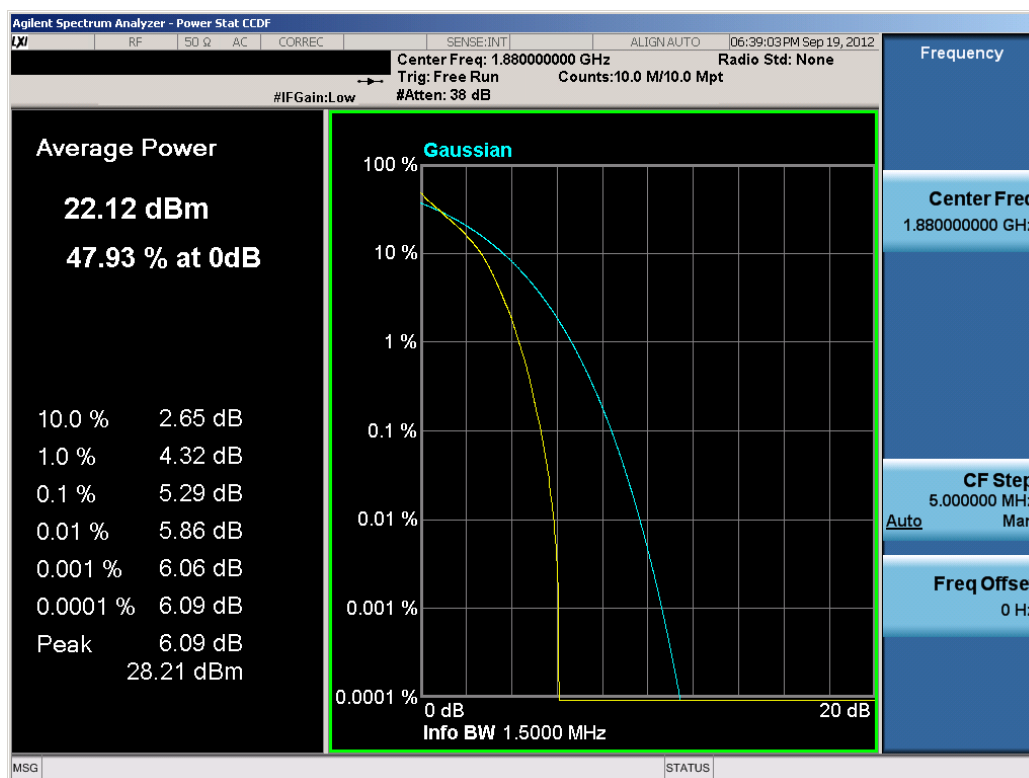


Plot 11-3. Occupied Bandwidth Plot (QPSK – RB Size 6)

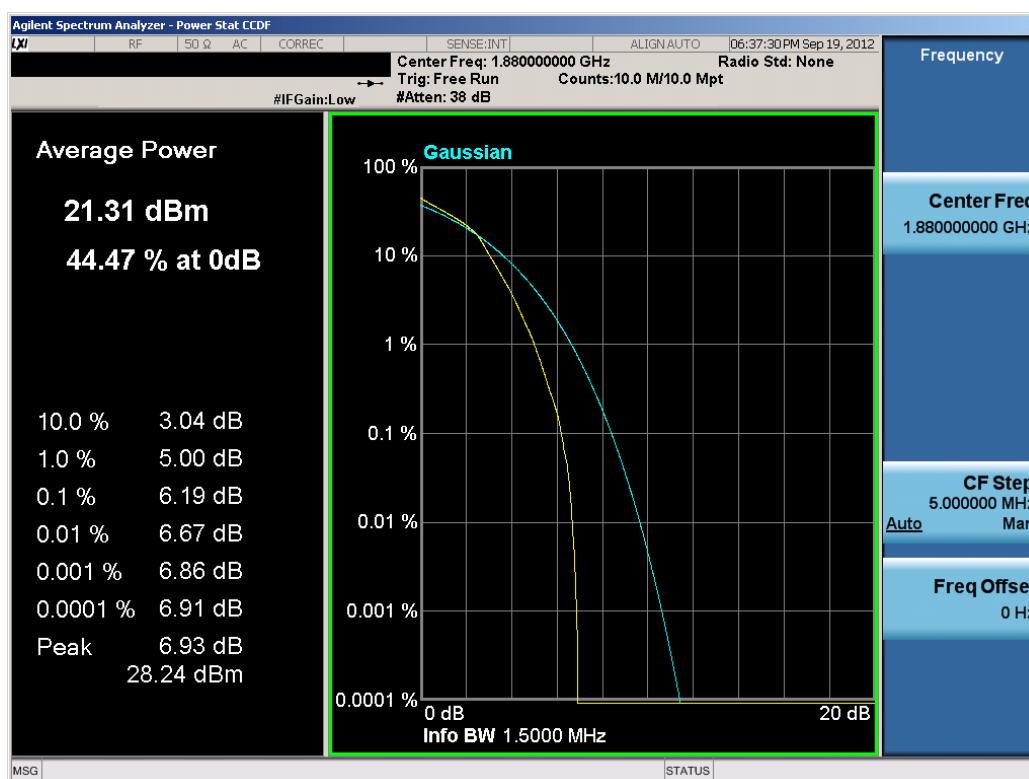


Plot 11-4. Occupied Bandwidth Plot (16-QAM – RB Size 6)

FCC ID: ZNFMS870	 FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 60 of 101

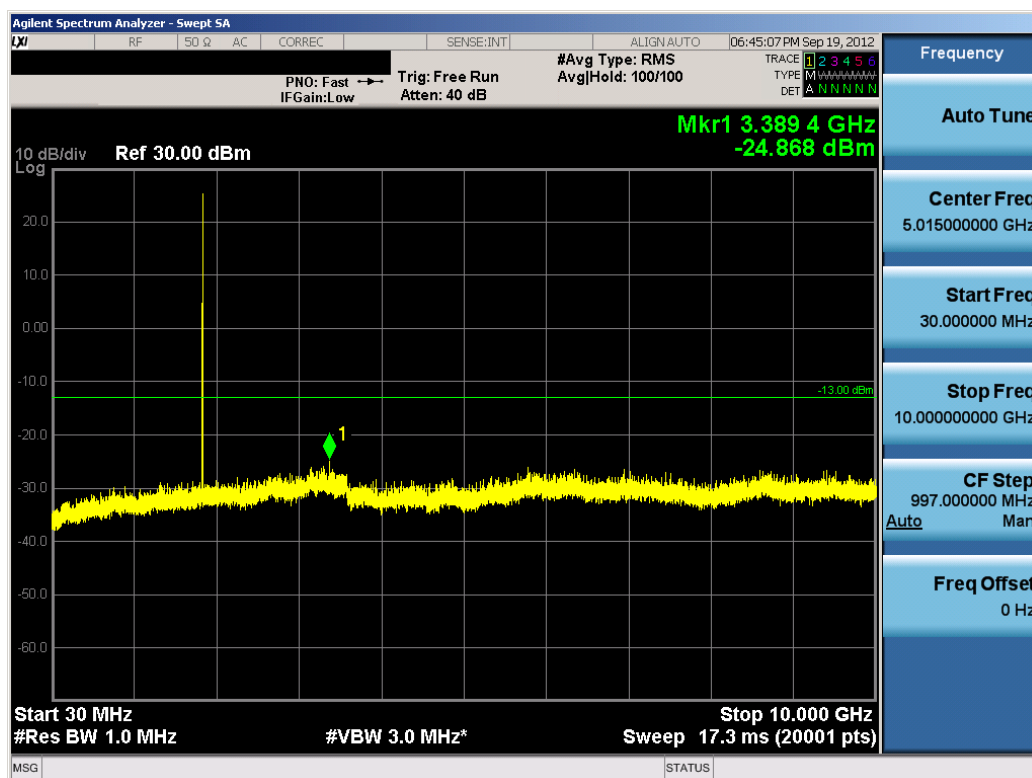


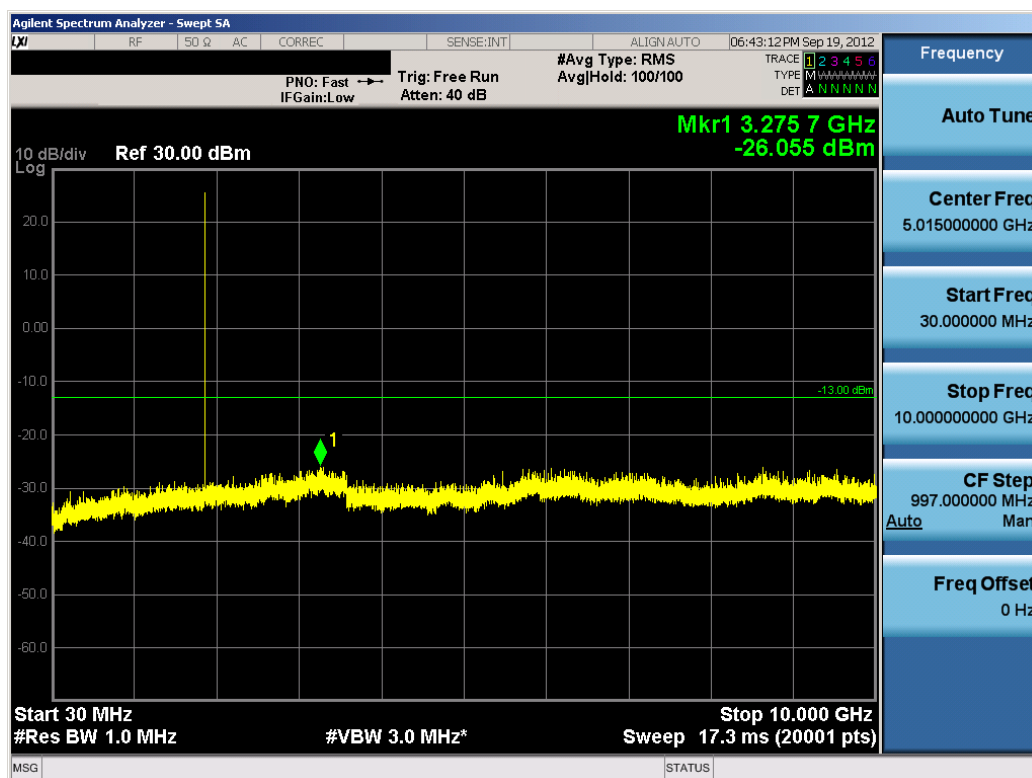
Plot 11-5. Peak to Average Ratio Plot (QPSK – RB Size 6)



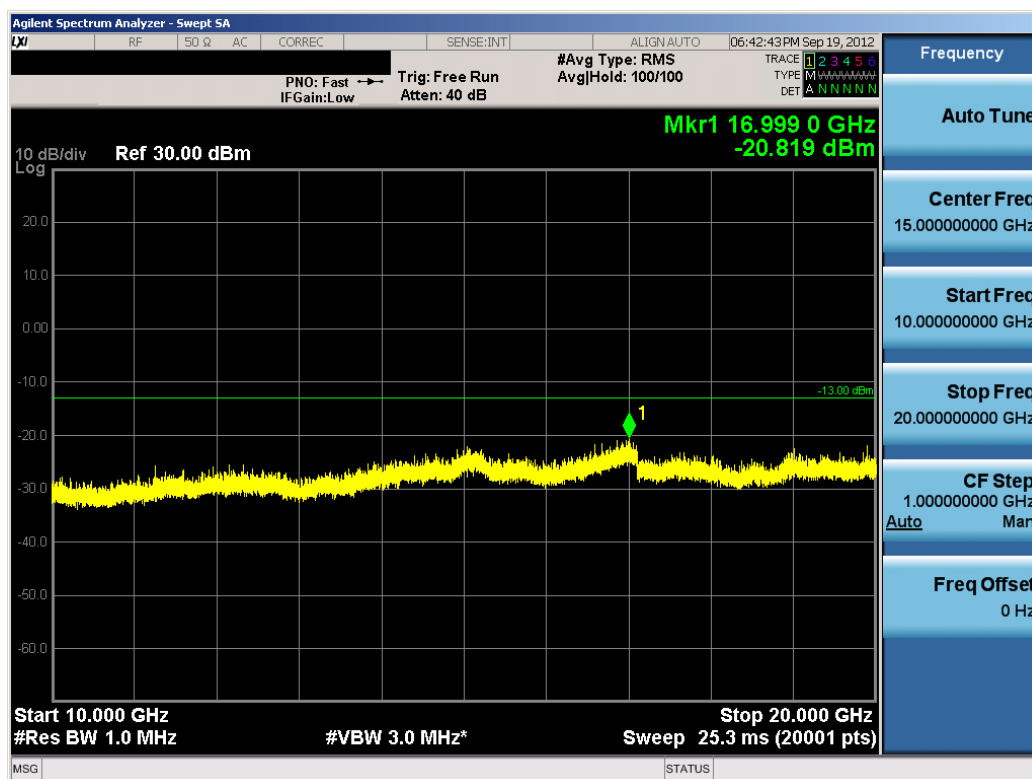
Plot 11-6. Peak to Average Ratio Plot (16QAM – RB Size 6)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 61 of 101



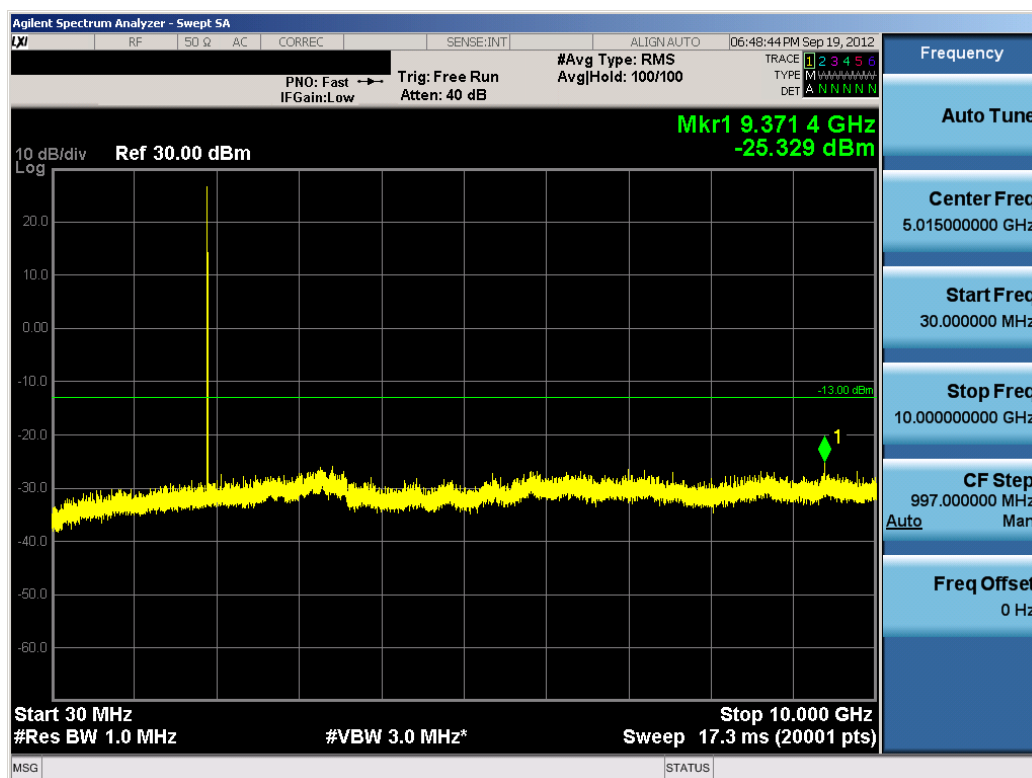


Plot 11-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

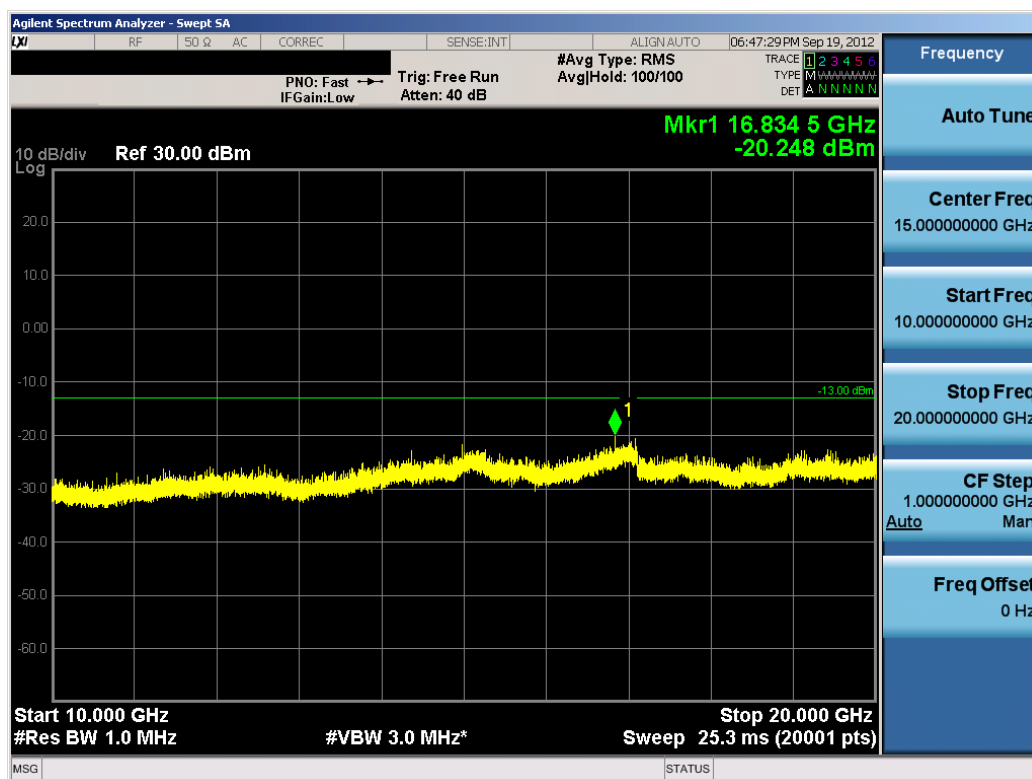


Plot 11-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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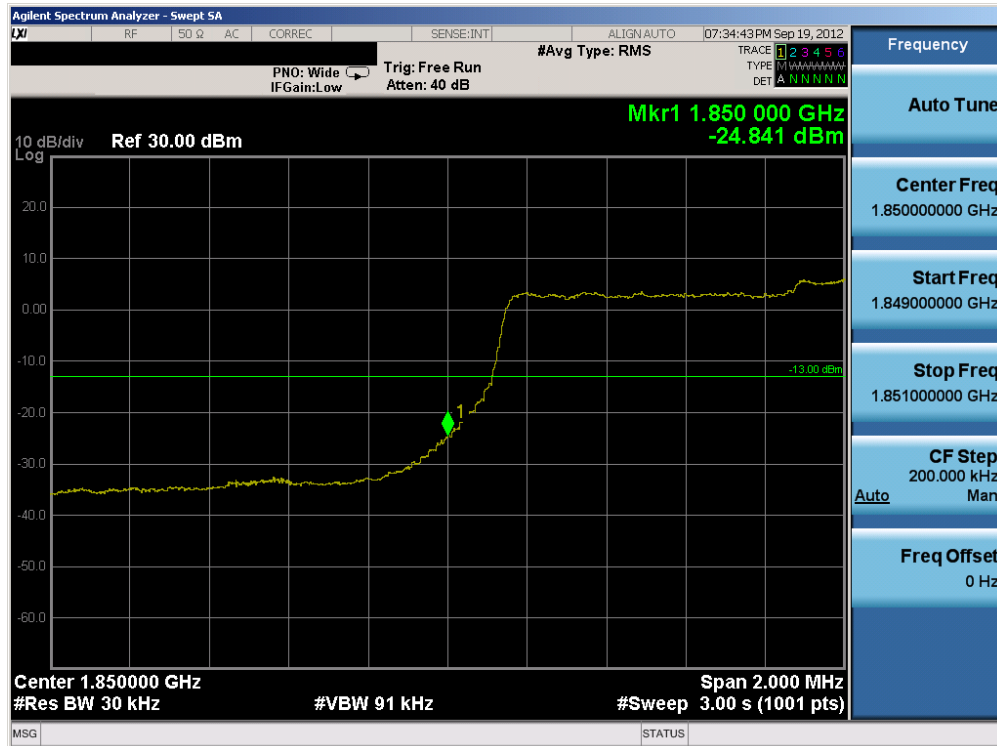
Plot 11-11. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



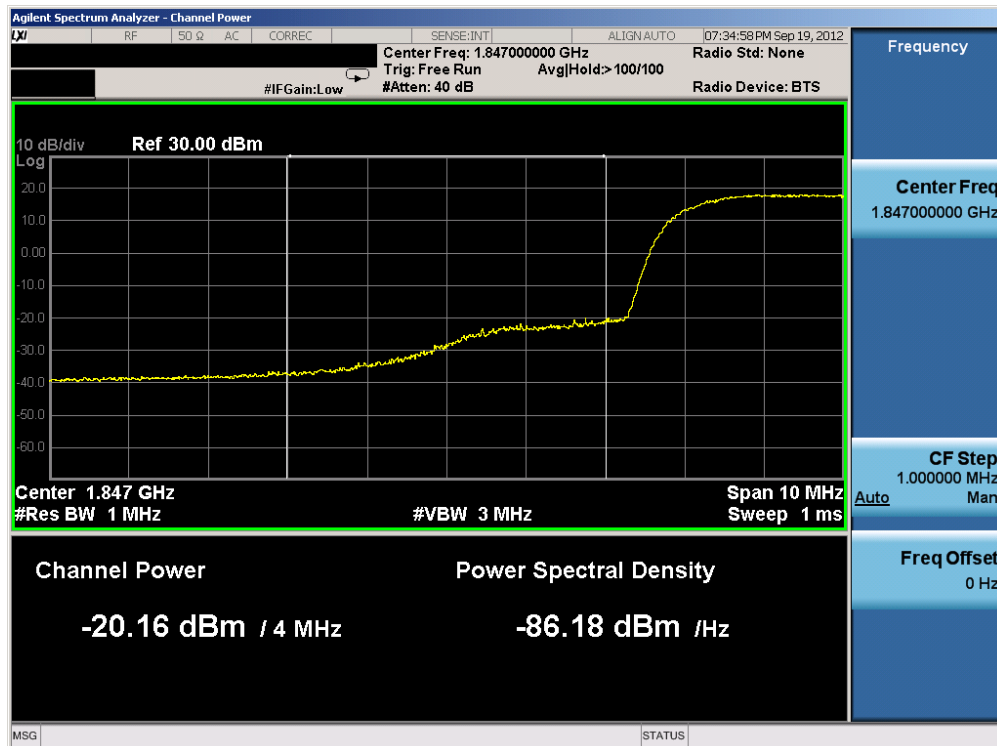
Plot 11-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 64 of 101

12.0 BAND 2 – 3 MHz BW

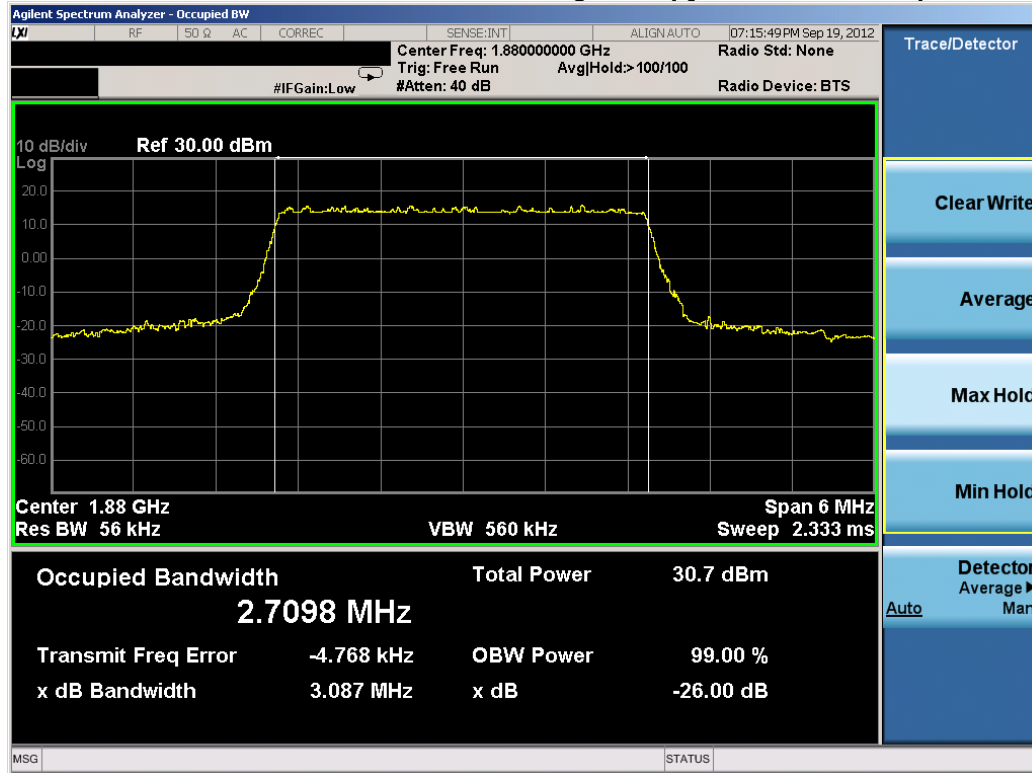


Plot 12-1. Lower Band Edge Plot (QPSK – RB Size 15)

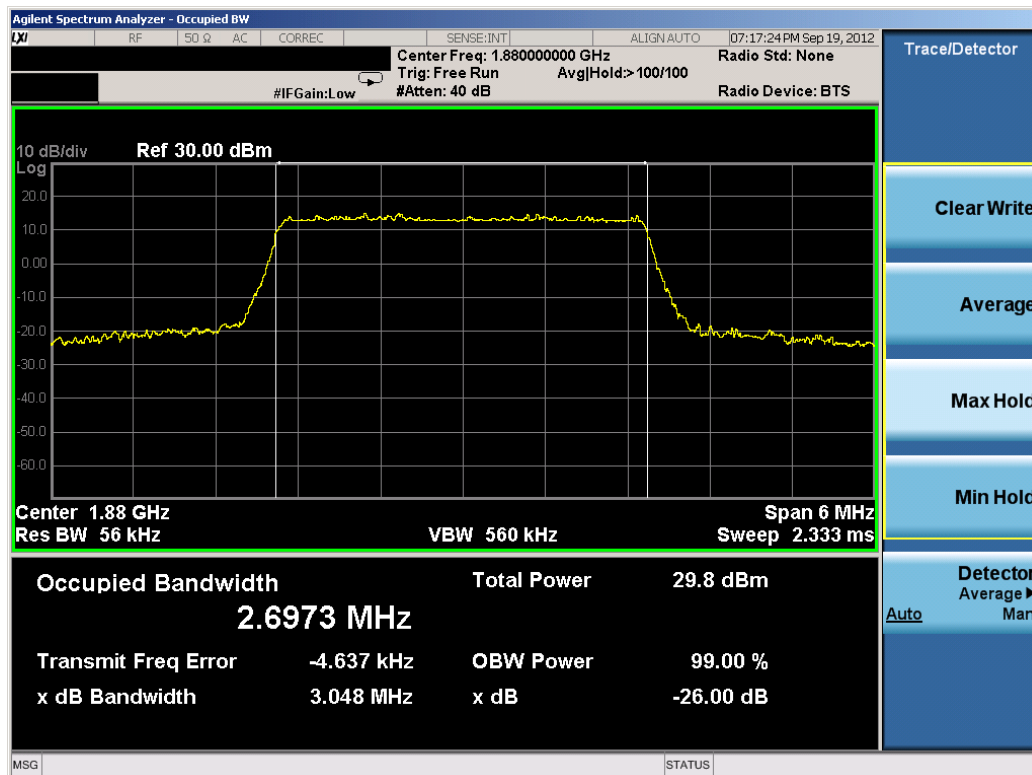


FCC ID: ZNFMS870			FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset			Page 66 of 101

Plot 12-2. Lower Extended Band Edge Plot (QPSK – RB Size 15)

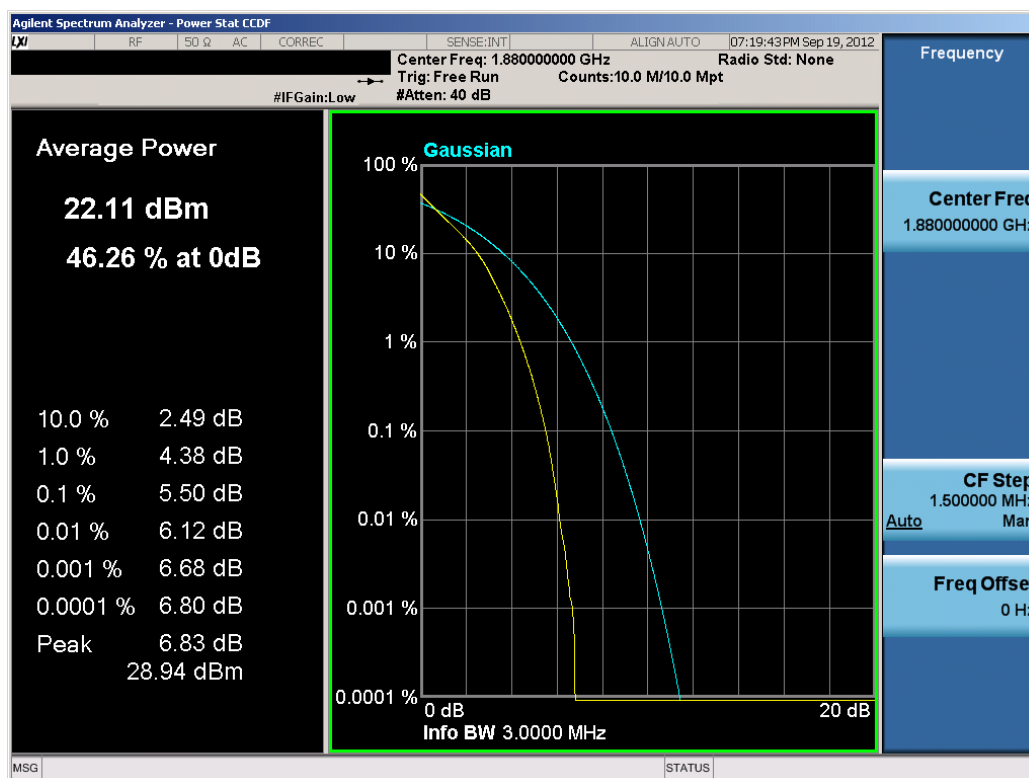


Plot 12-3. Occupied Bandwidth Plot (QPSK – RB Size 15)

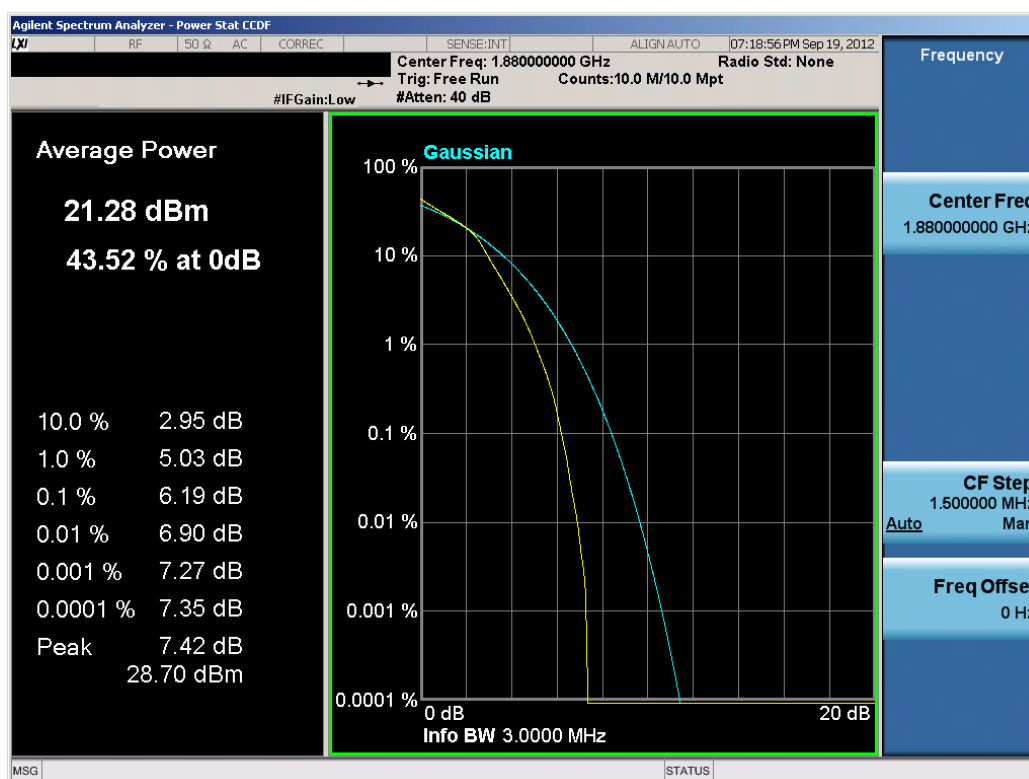


Plot 12-4. Occupied Bandwidth Plot (16-QAM – RB Size 15)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 67 of 101

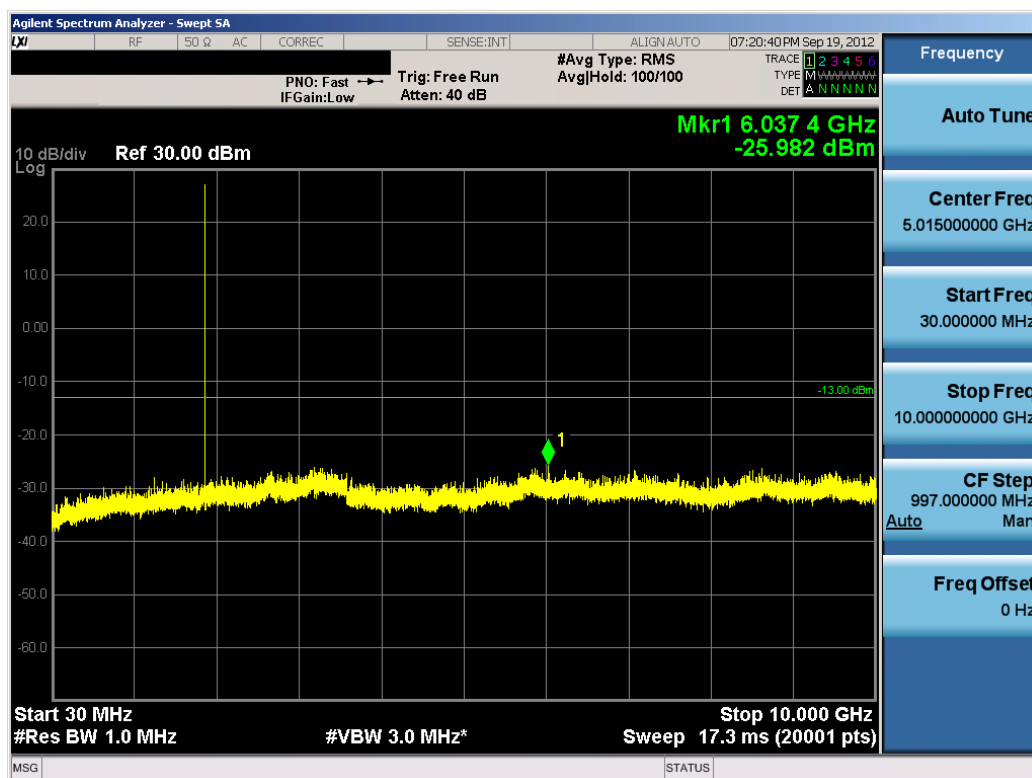


Plot 12-5. Peak to Average Ratio Plot (QPSK – RB Size 15)

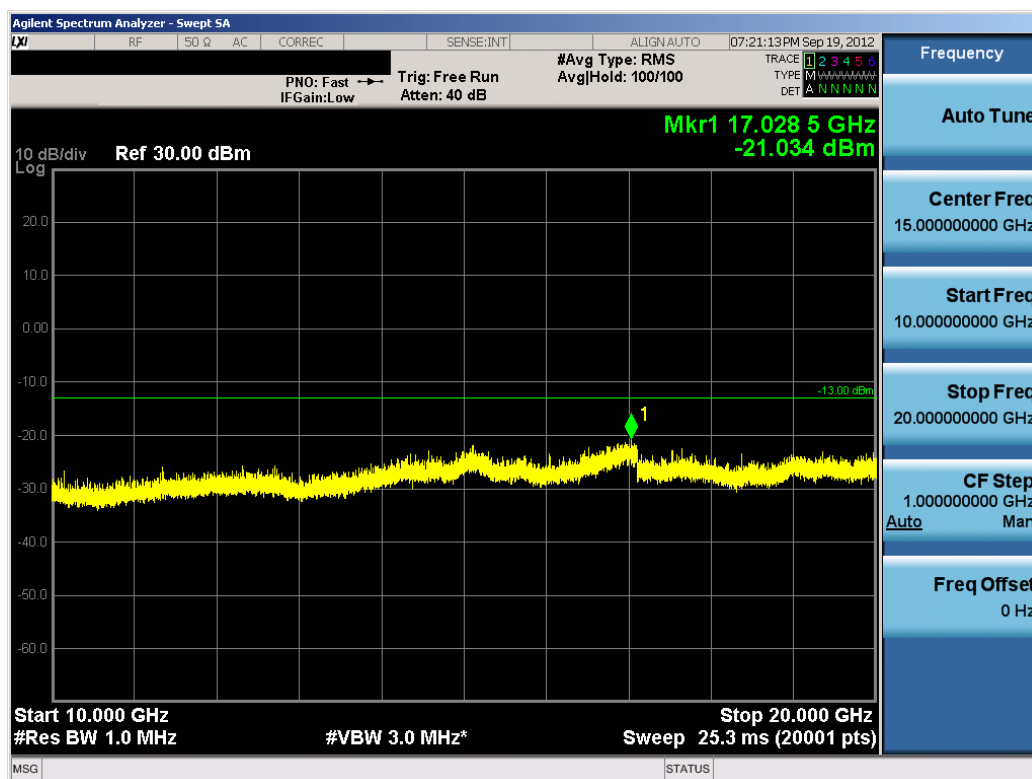


Plot 12-6. Peak to Average Ratio Plot (16QAM – RB Size 15)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 68 of 101

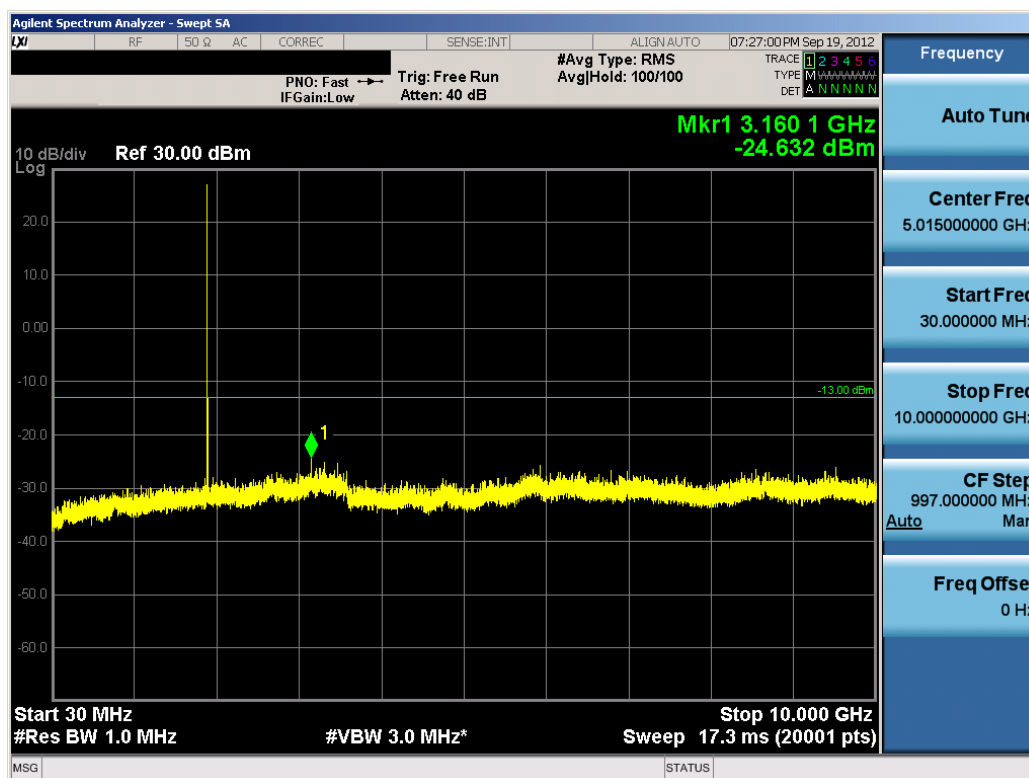


Plot 12-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



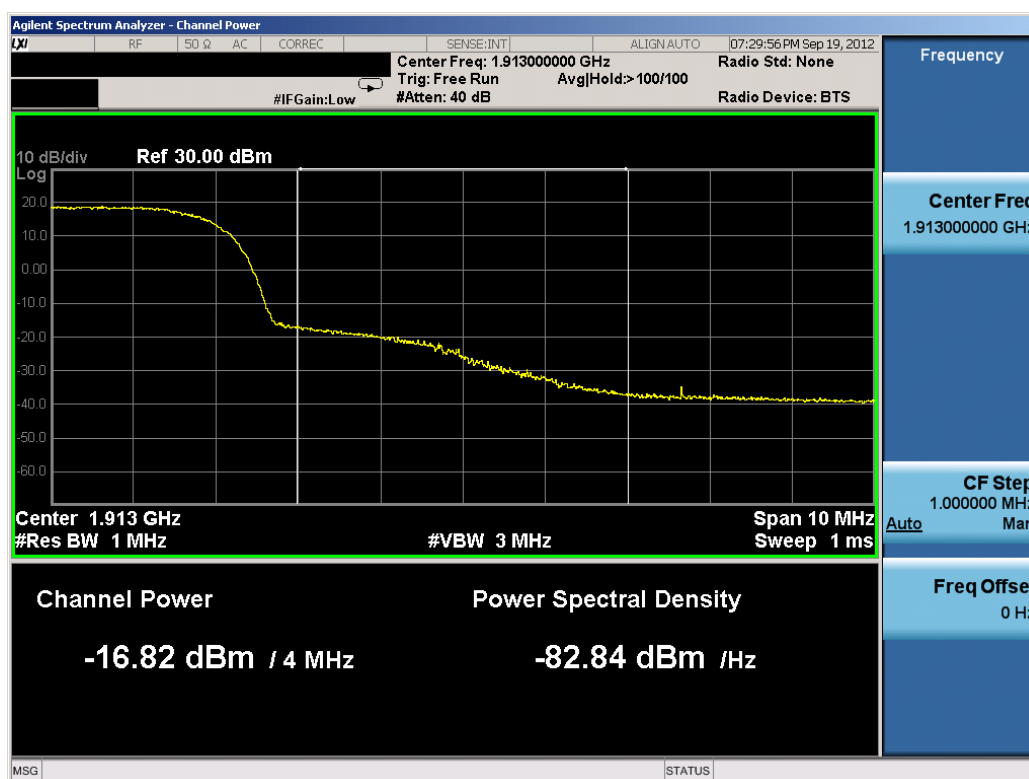
Plot 12-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 12-13. Upper Band Edge Plot (QPSK - RB Size 15)



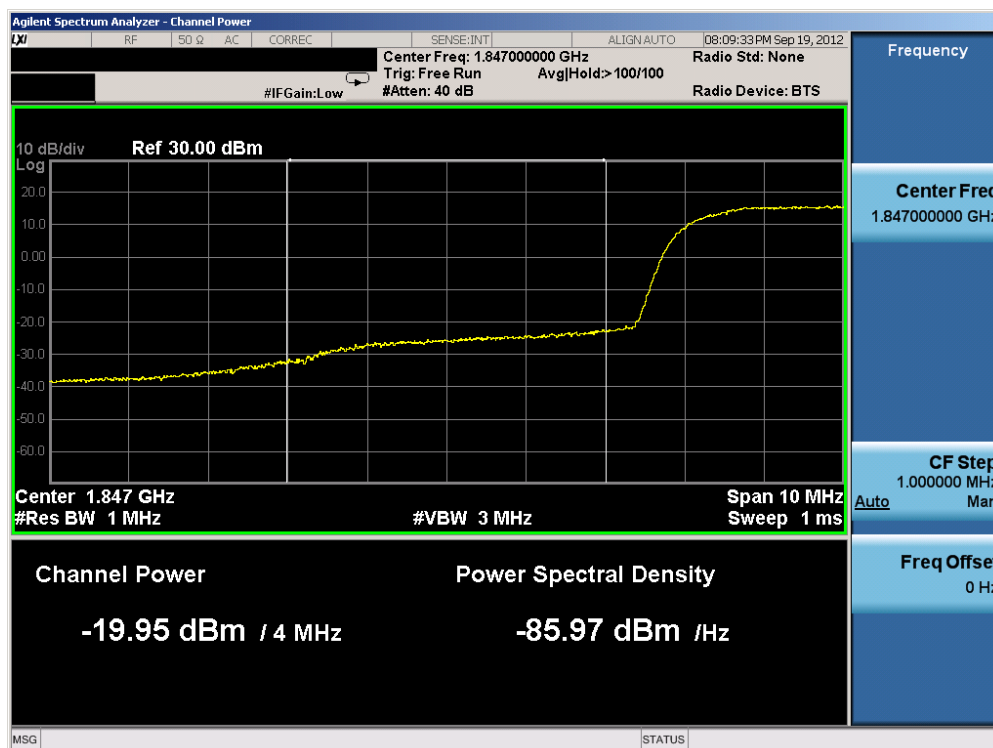
Plot 12-14. Upper Extended Band Edge Plot (QPSK - RB Size 15)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 72 of 101

13.0 BAND 2 – 5 MHz BW

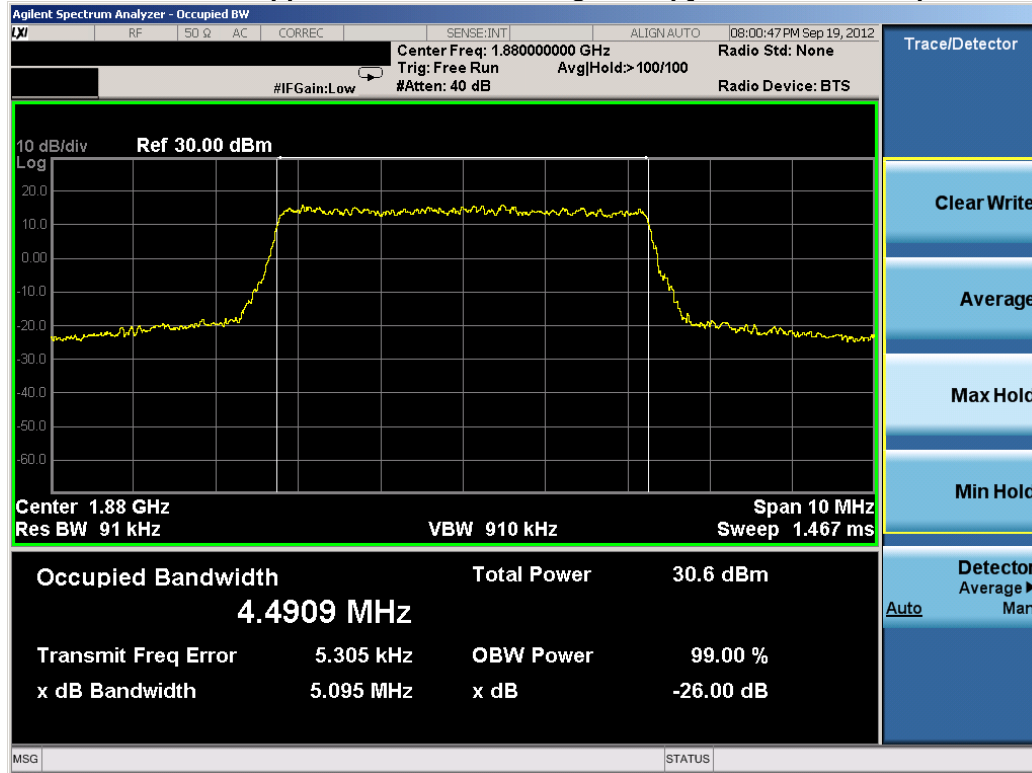


Plot 13-1. Lower Band Edge Plot (QPSK – RB Size 25)

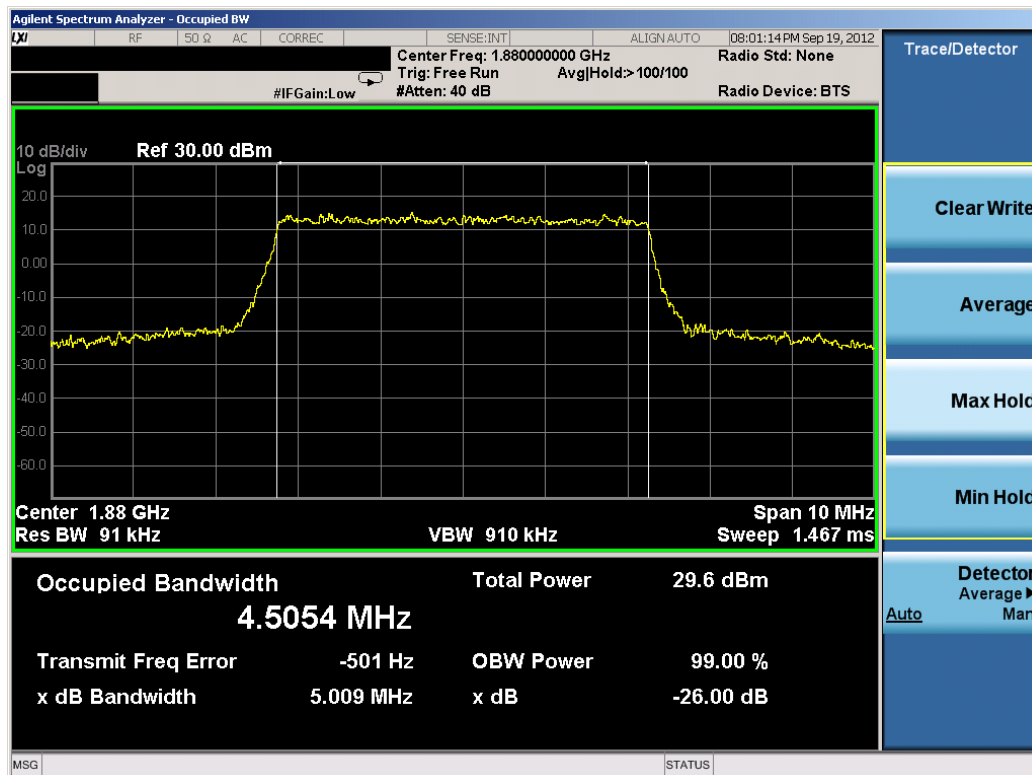


FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 73 of 101	

Plot 13-2. Upper Extended Band Edge Plot (QPSK – RB Size 25)

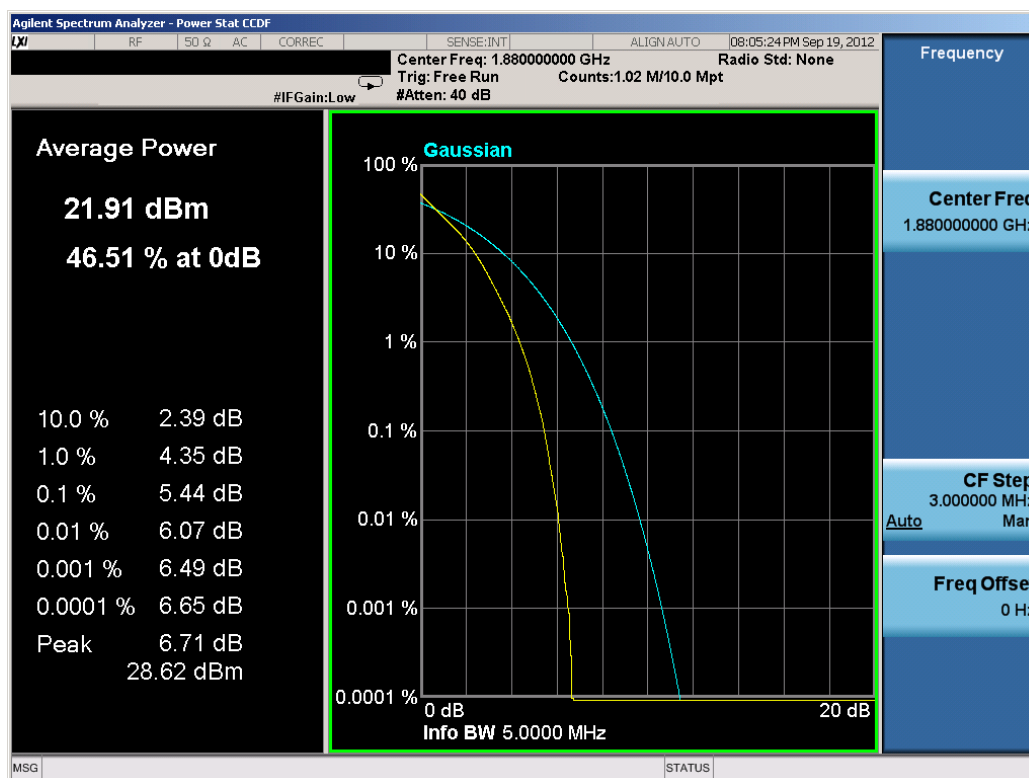


Plot 13-3. Occupied Bandwidth Plot (QPSK – RB Size 25)

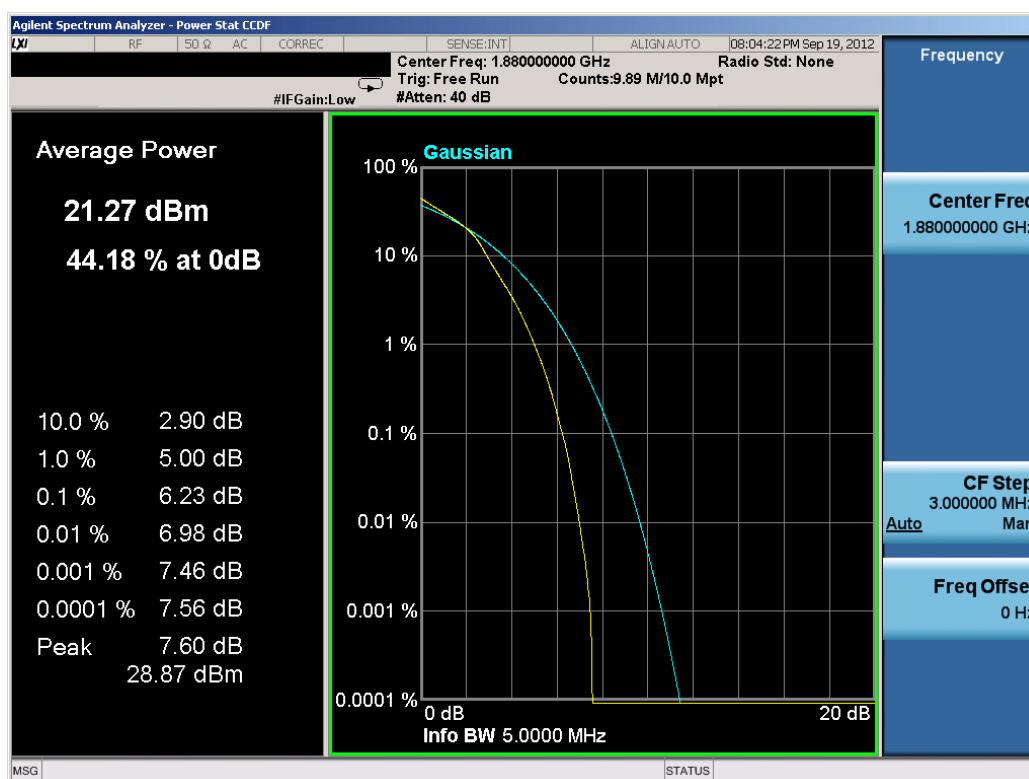


Plot 13-4. Occupied Bandwidth Plot (16-QAM – RB Size 25)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 74 of 101

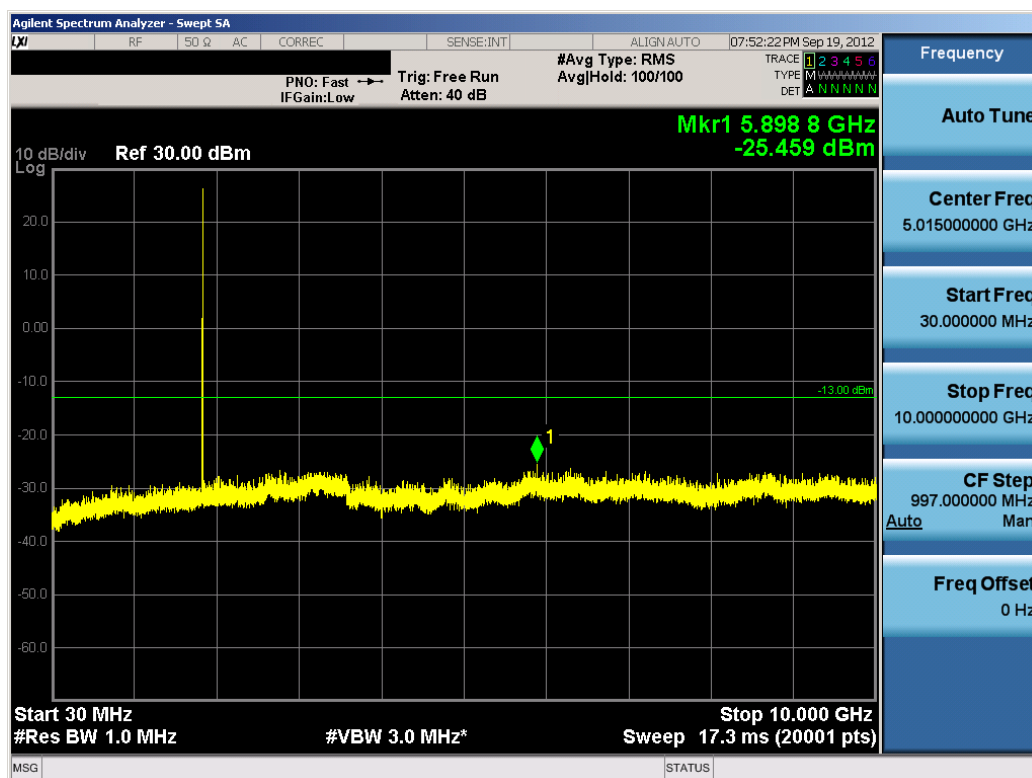


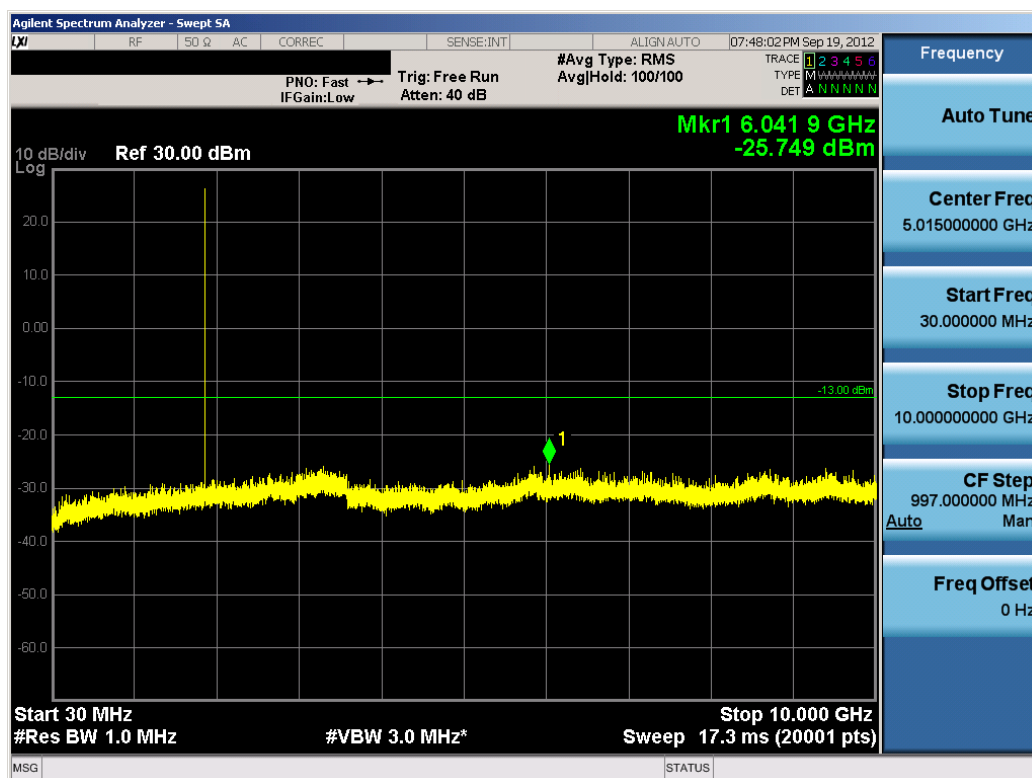
Plot 13-5. Peak to Average Ratio Plot (QPSK – RB Size 25)

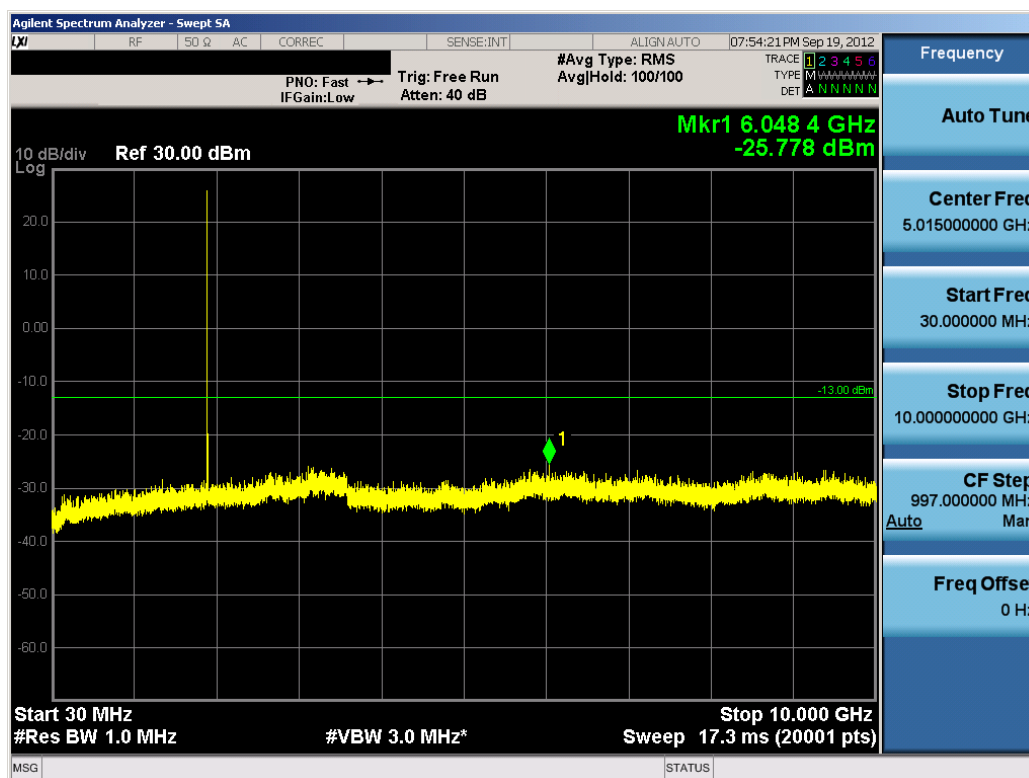


Plot 13-6. Peak to Average Ratio Plot (16QAM – RB Size 25)

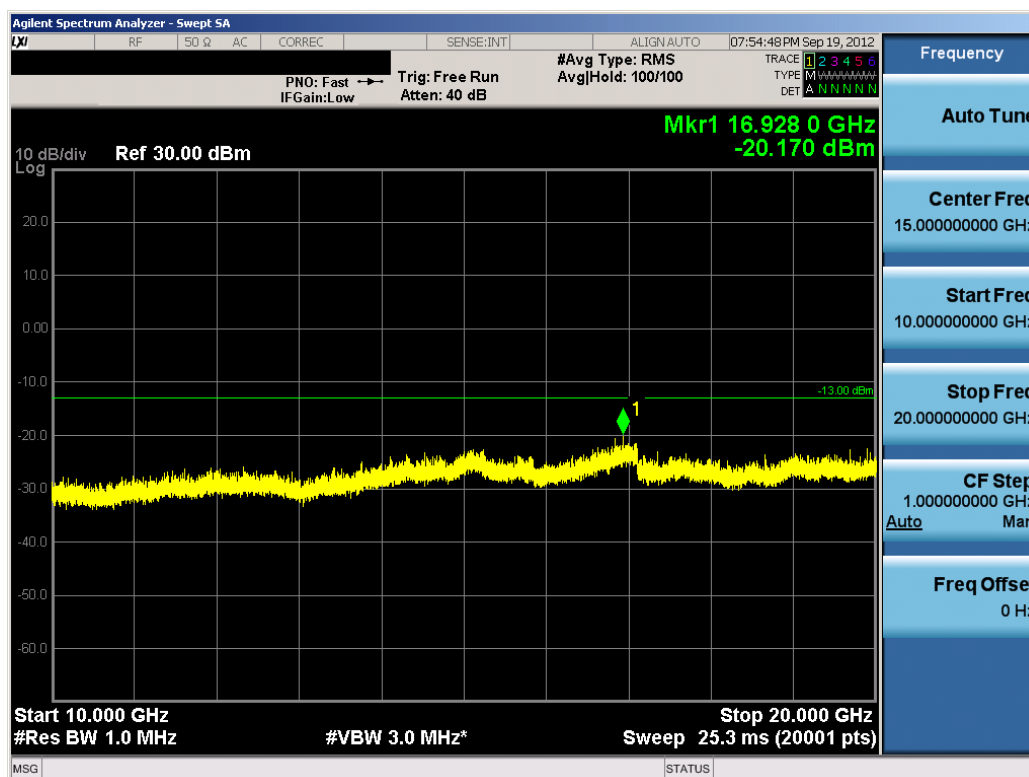
FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 75 of 101







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

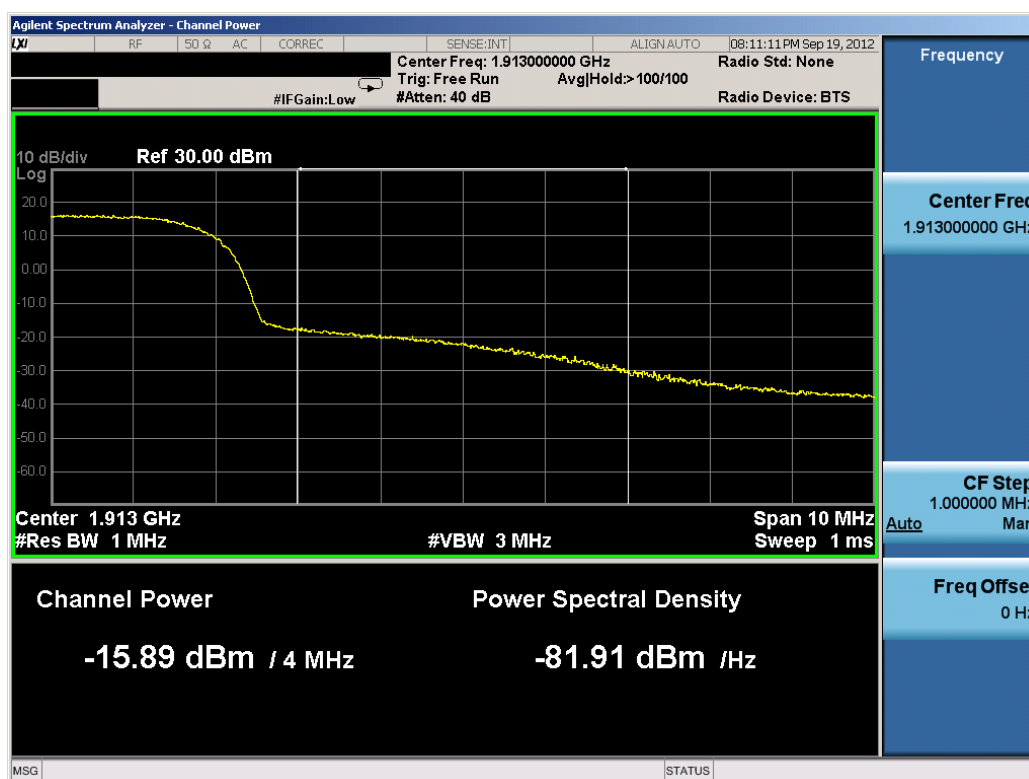


Plot 13-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 13-13. Upper Band Edge Plot (QPSK – RB Size 25)



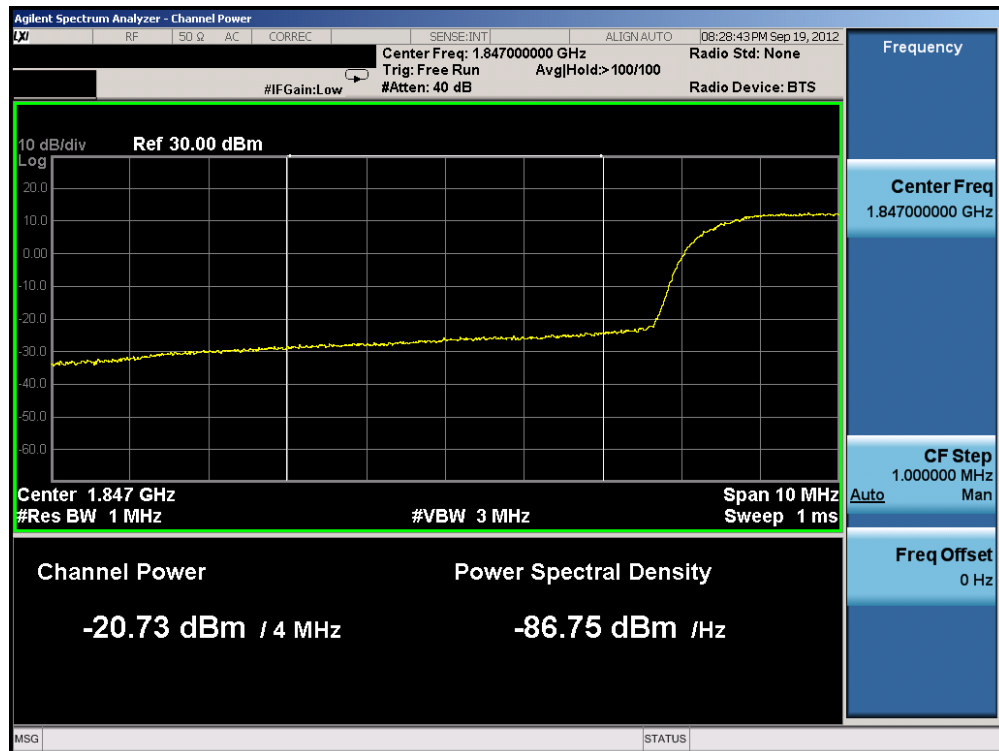
Plot 13-14. Upper Extended Band Edge Plot (QPSK – RB Size 25)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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14.0 BAND 2 – 10 MHz BW

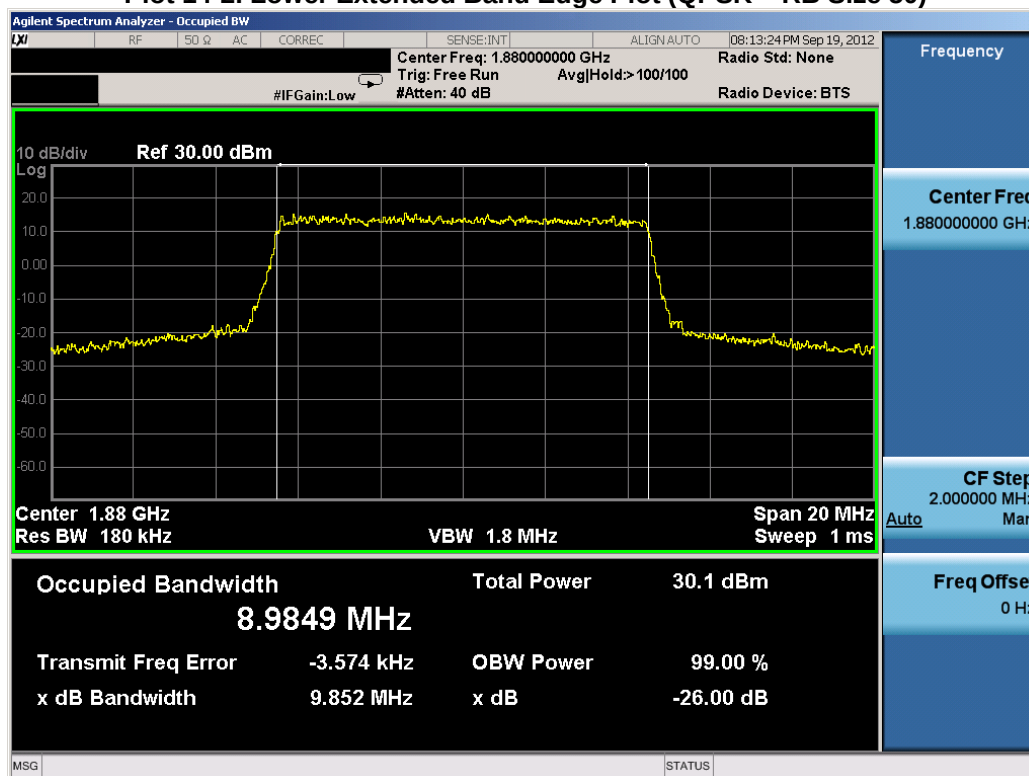


Plot 14-1. Lower Band Edge Plot (QPSK – RB Size 50)

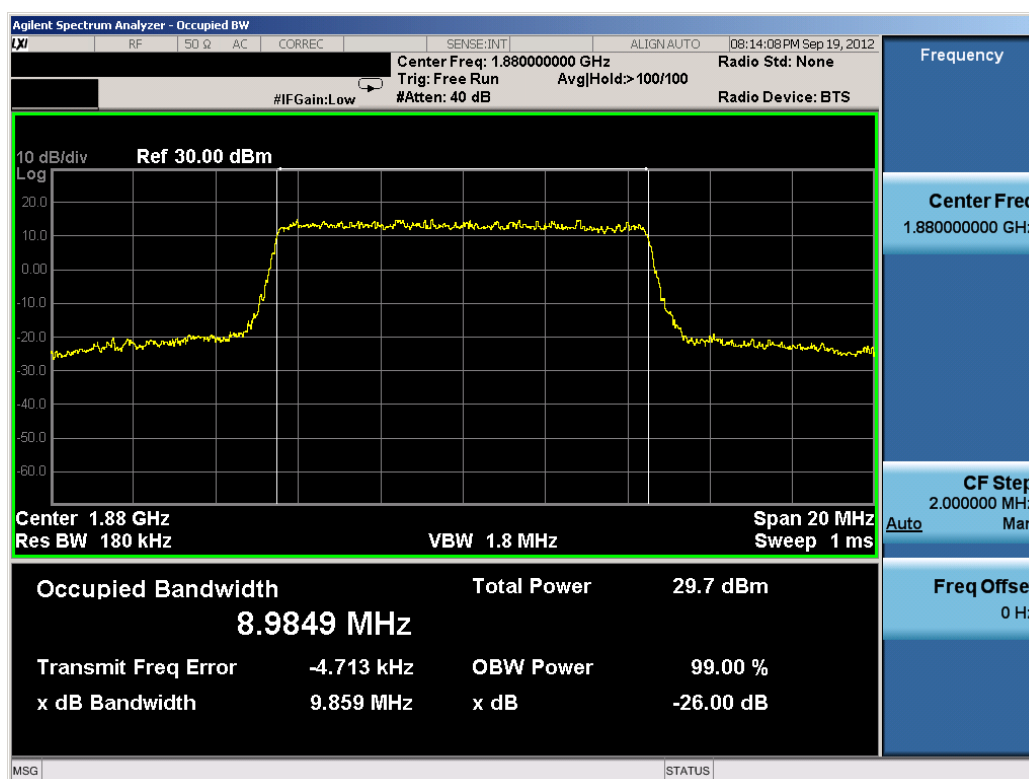


FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
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Plot 14-2. Lower Extended Band Edge Plot (QPSK – RB Size 50)

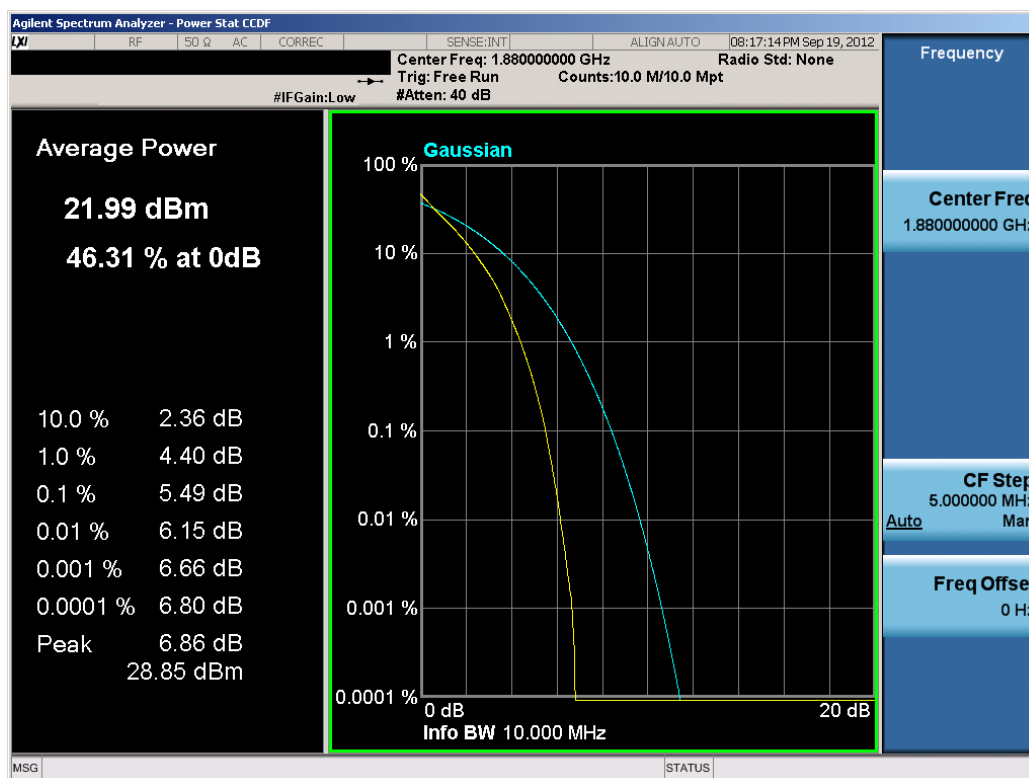


Plot 14-3. Occupied Bandwidth Plot (QPSK – RB Size 50)

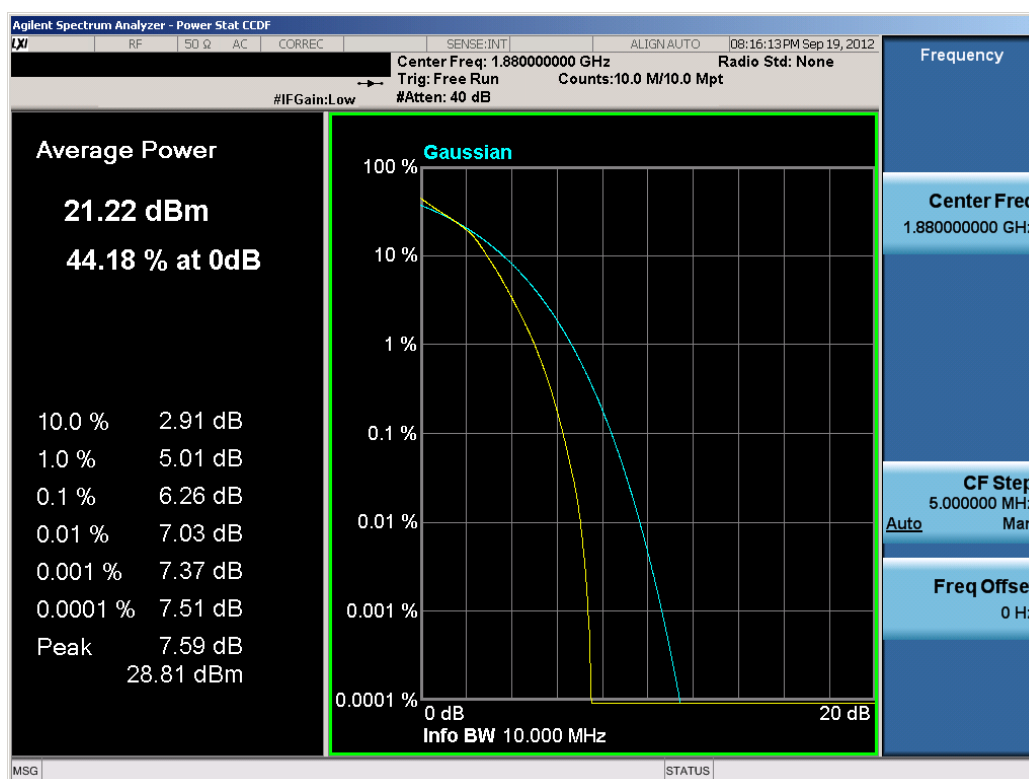


Plot 14-4. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 81 of 101	

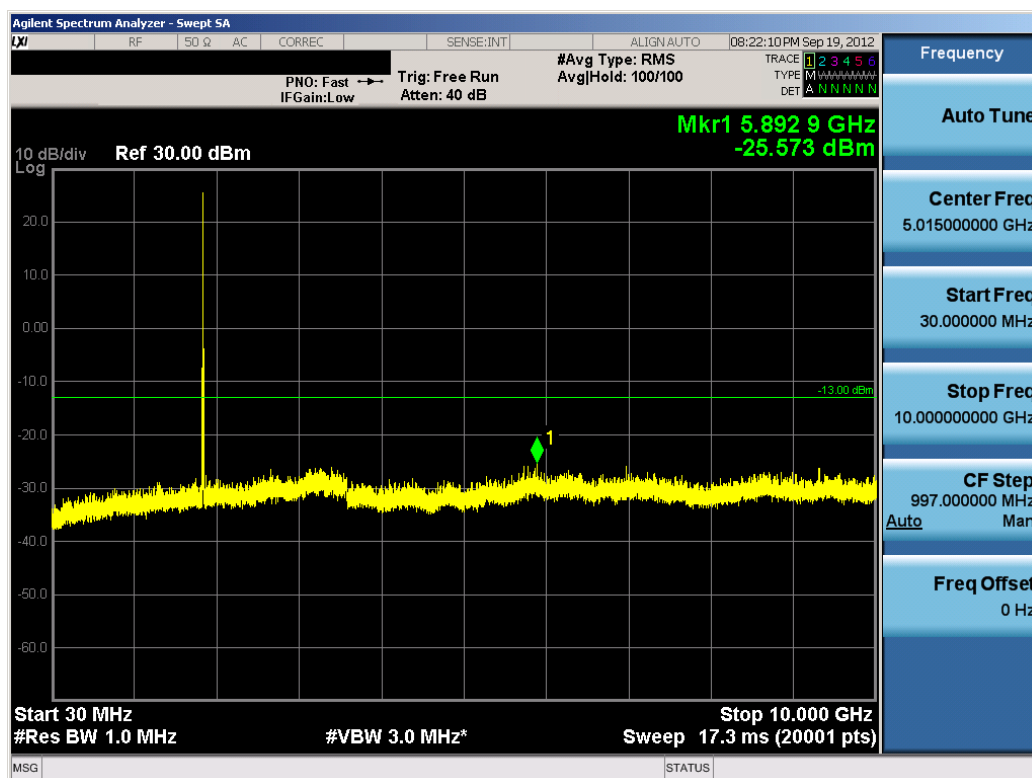


Plot 14-5. Peak to Average Ratio Plot (QPSK – RB Size 50)

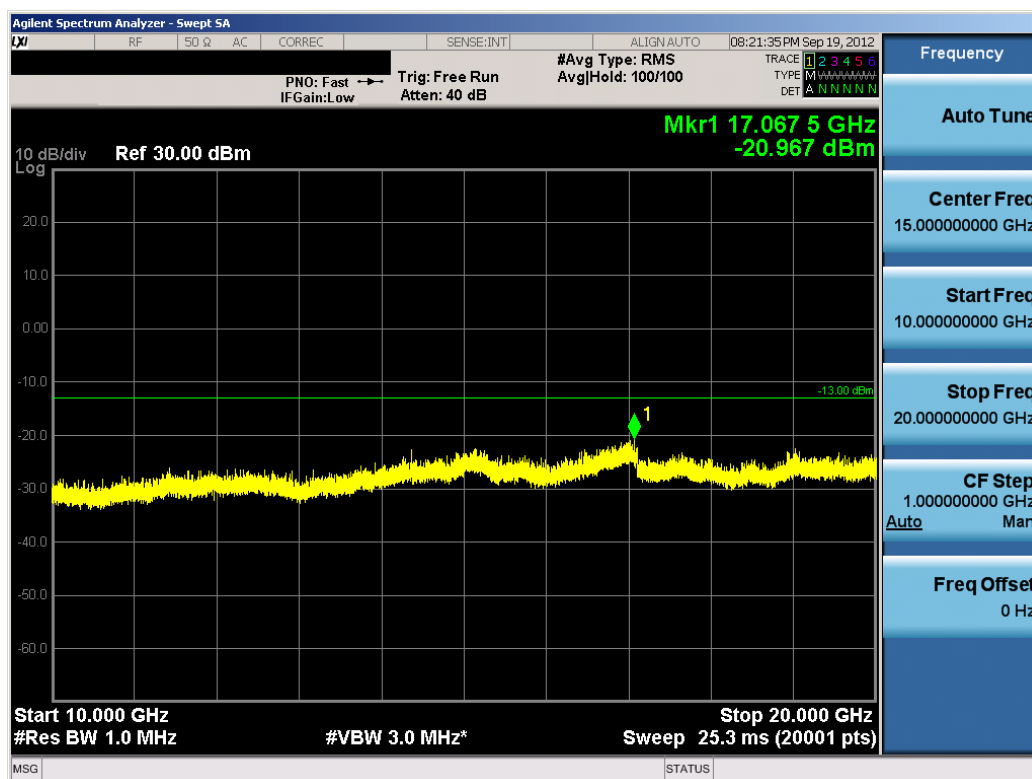


Plot 14-6. Peak to Average Ratio Plot (16QAM – RB Size 50)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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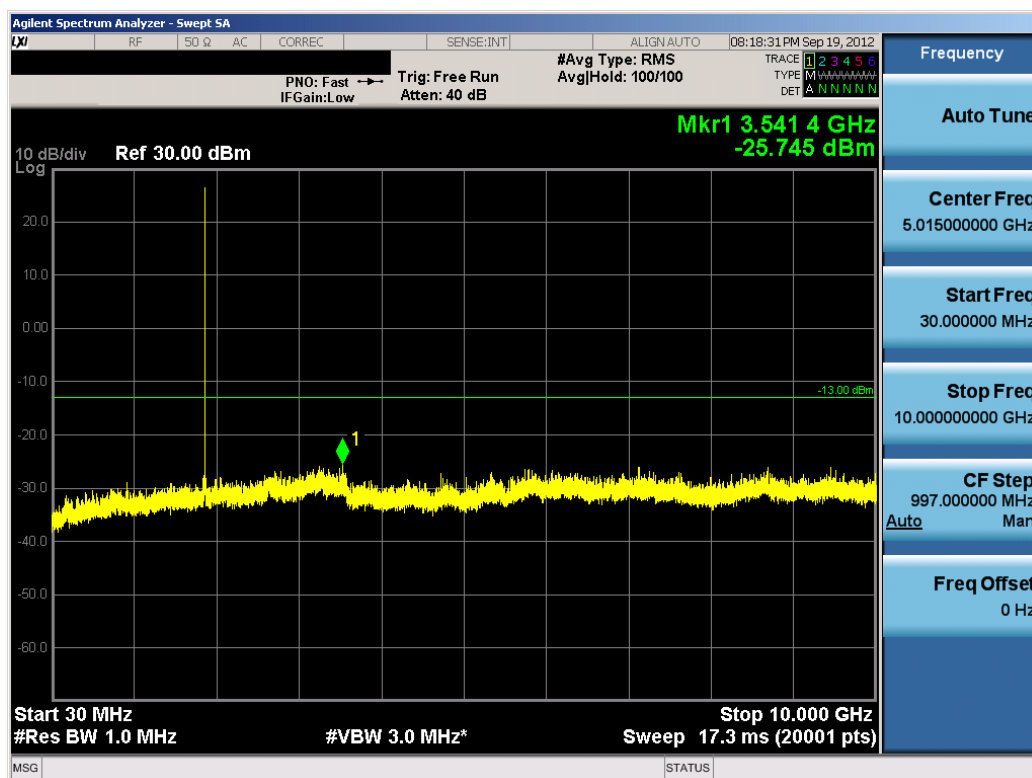


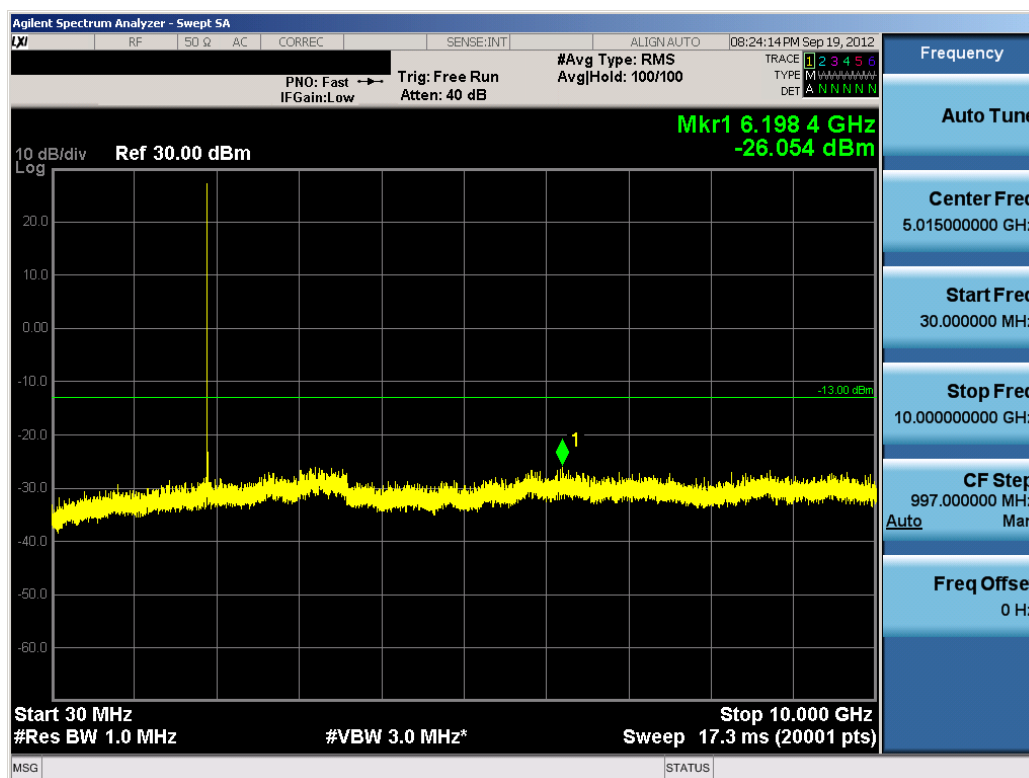
Plot 14-7. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

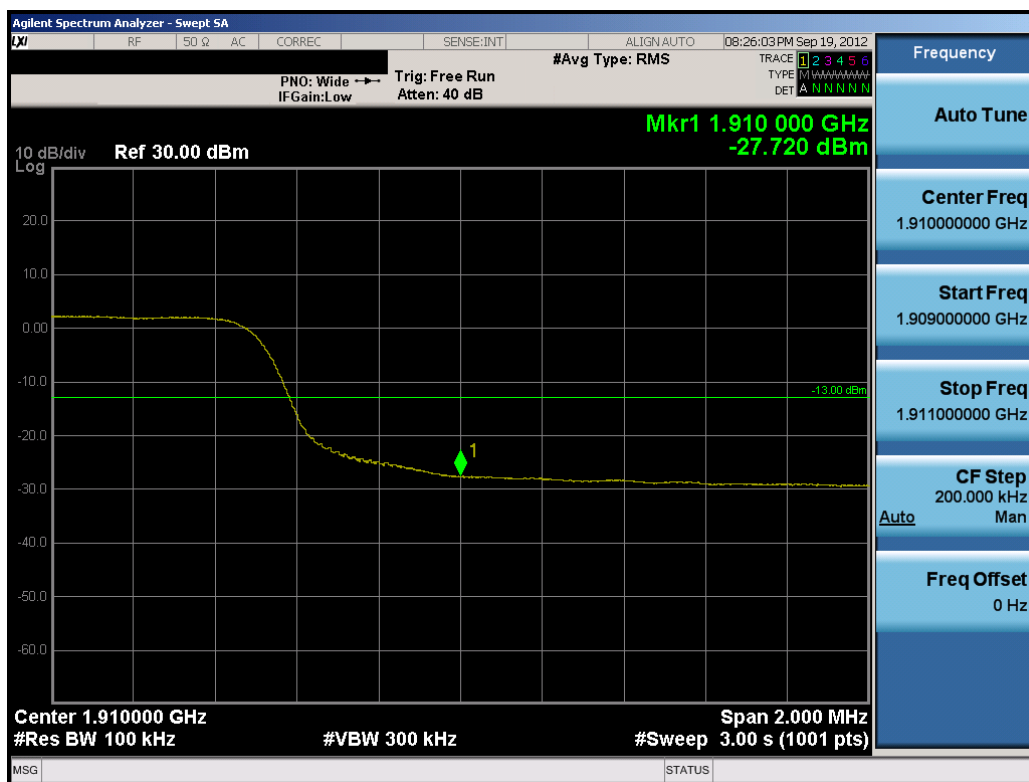


Plot 14-8. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

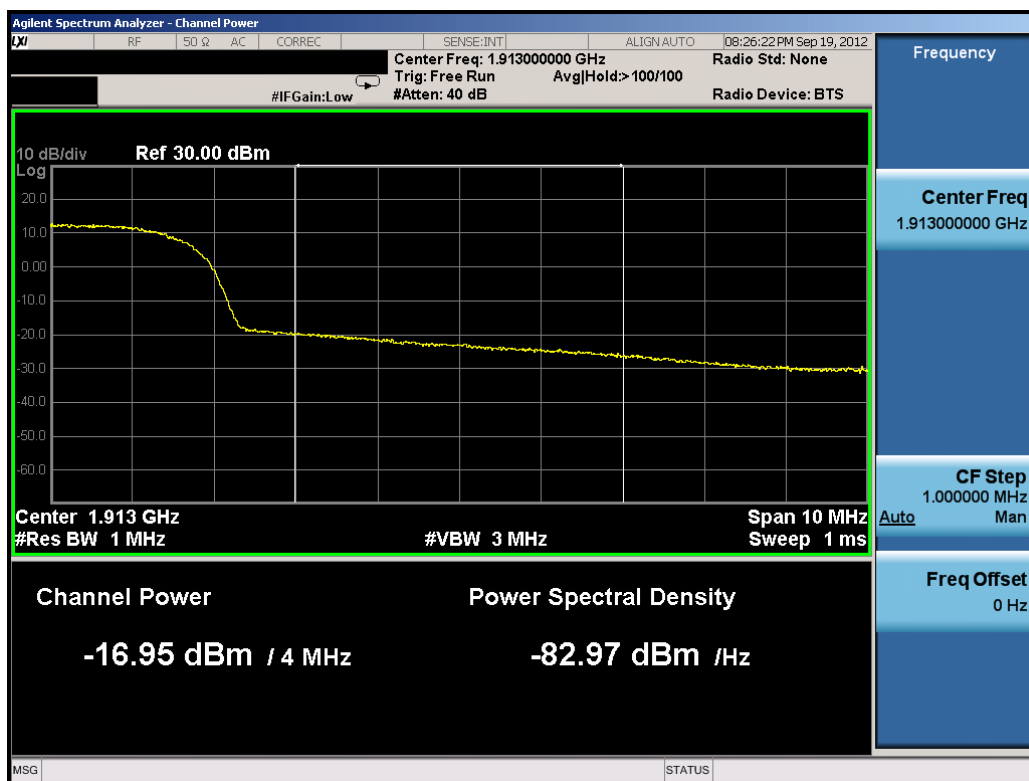
FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 14-13. Upper Band Edge Plot (QPSK - RB Size 50)



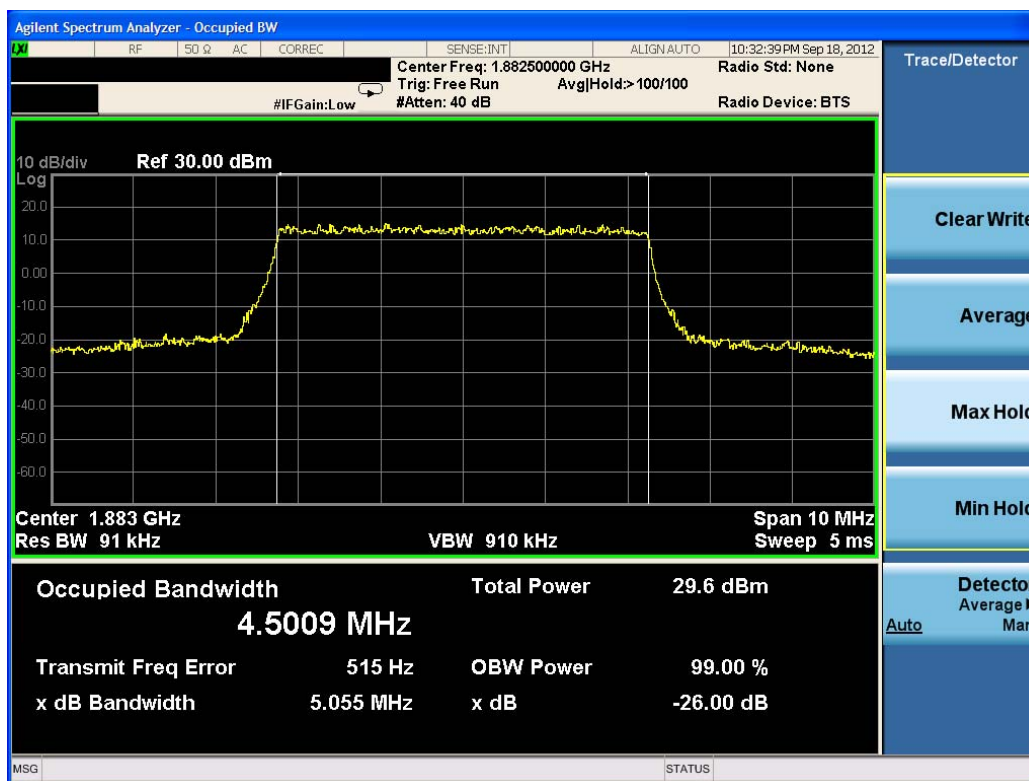
Plot 14-14. Upper Extended Band Edge Plot (QPSK - RB Size 50)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 15-2. Lower Extended Band Edge Plot (QPSK – RB Size 25)



Plot 15-3. Occupied Bandwidth Plot (QPSK – RB Size 25)



Plot 15-4. Occupied Bandwidth Plot (16-QAM – RB Size 25)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 88 of 101

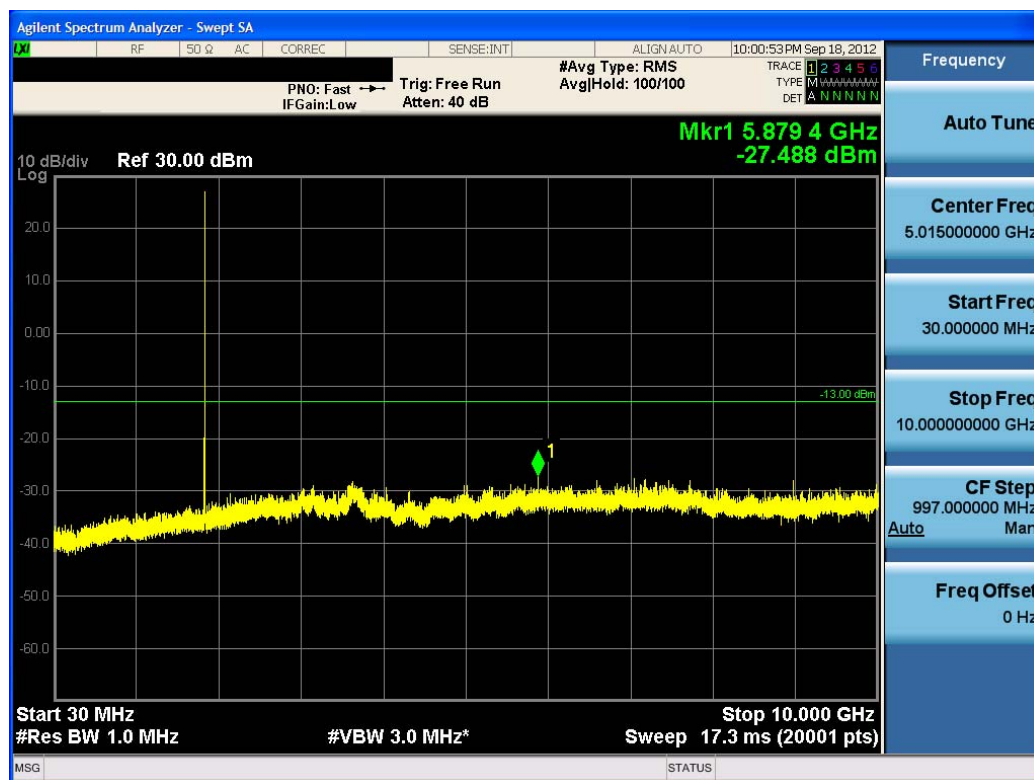


Plot 15-5. Peak to Average Ratio Plot (QPSK – RB Size 25)

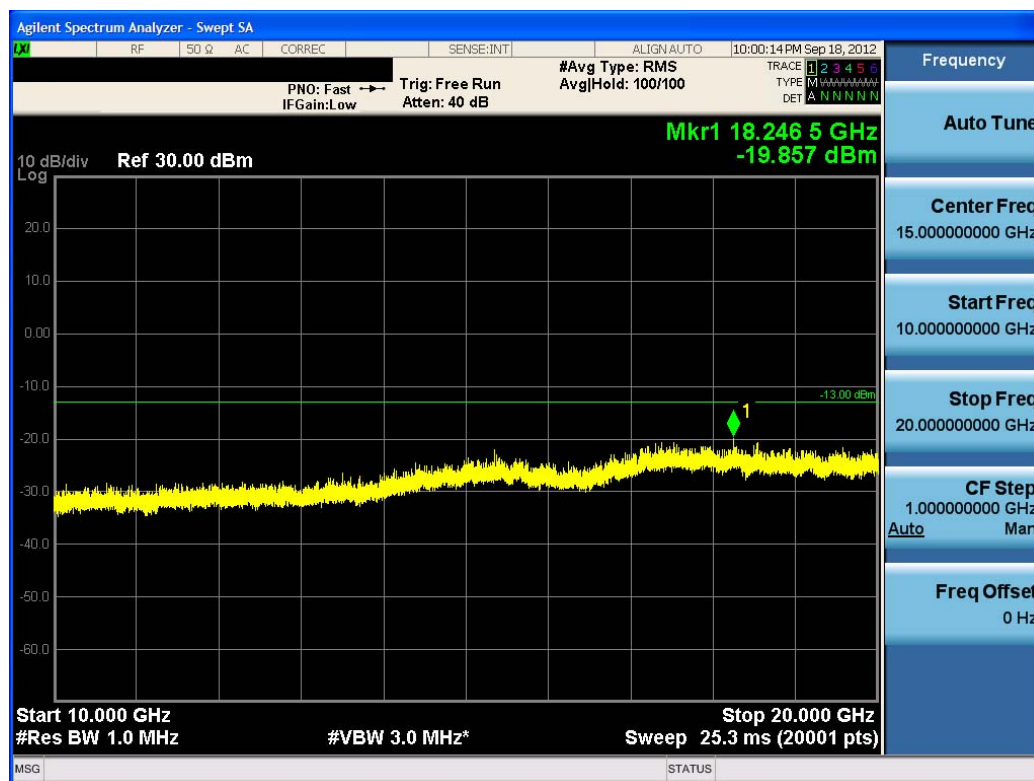


Plot 15-6. Peak to Average Ratio Plot (16QAM – RB Size 25)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset	Page 89 of 101

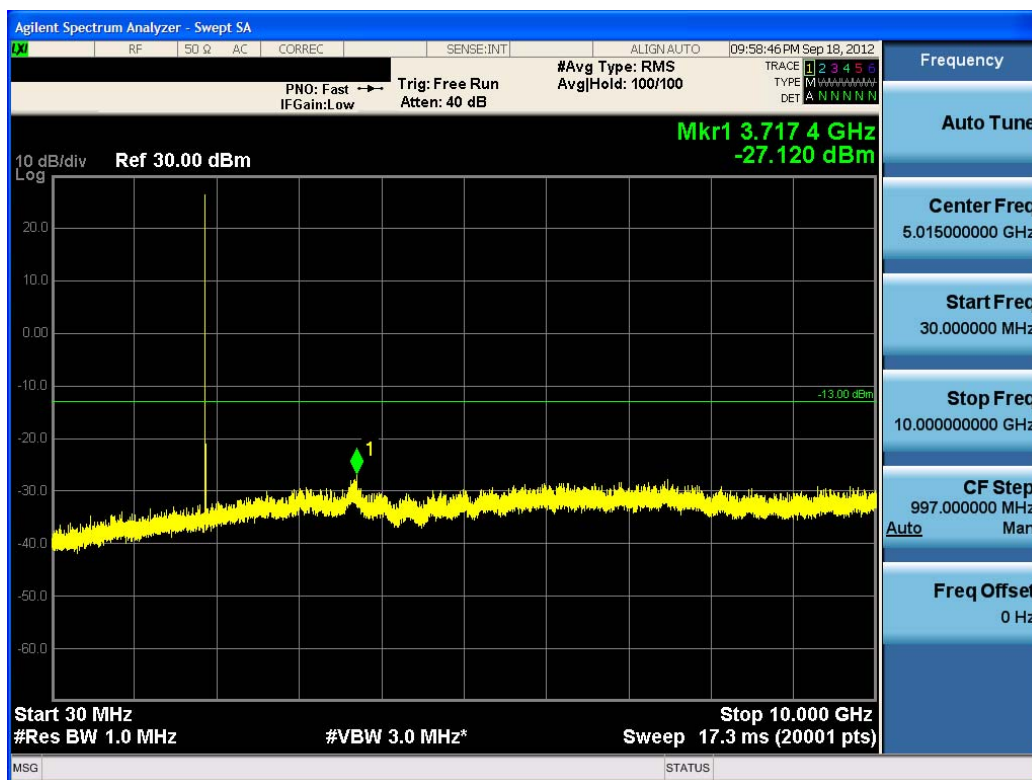


Plot 15-7. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

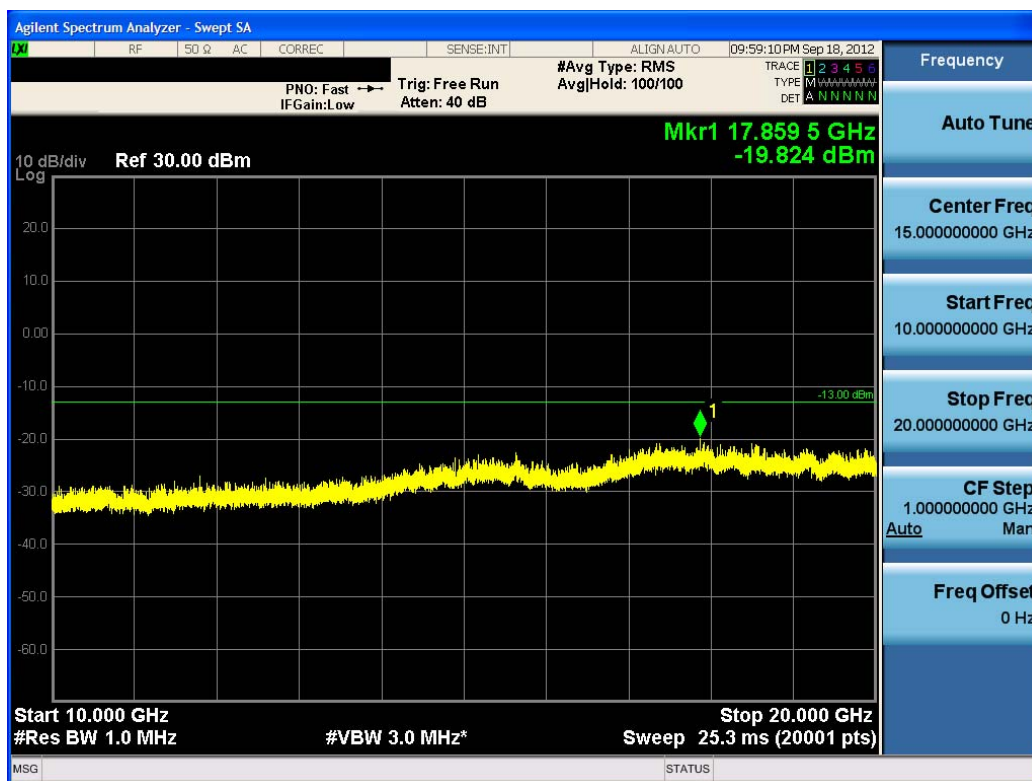


Plot 15-8. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: ZNFMS870	 FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)			Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 90 of 101

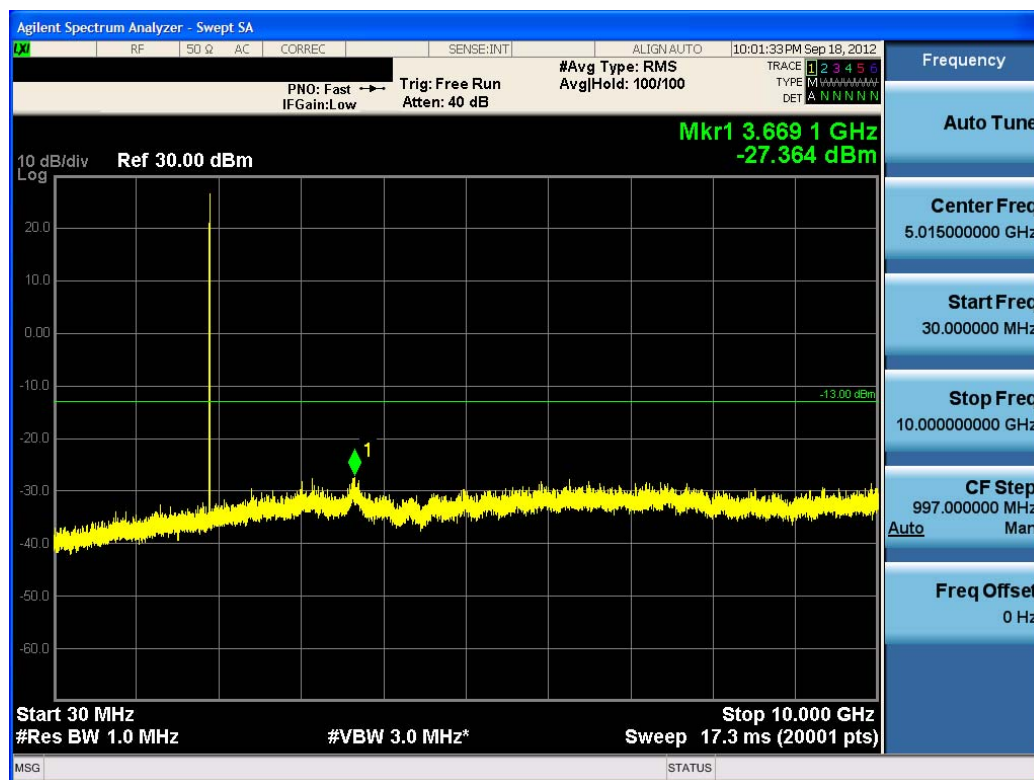


Plot 15-9. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)



Plot 15-10. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 15-13. Upper Band Edge Plot (QPSK – RB Size 25)



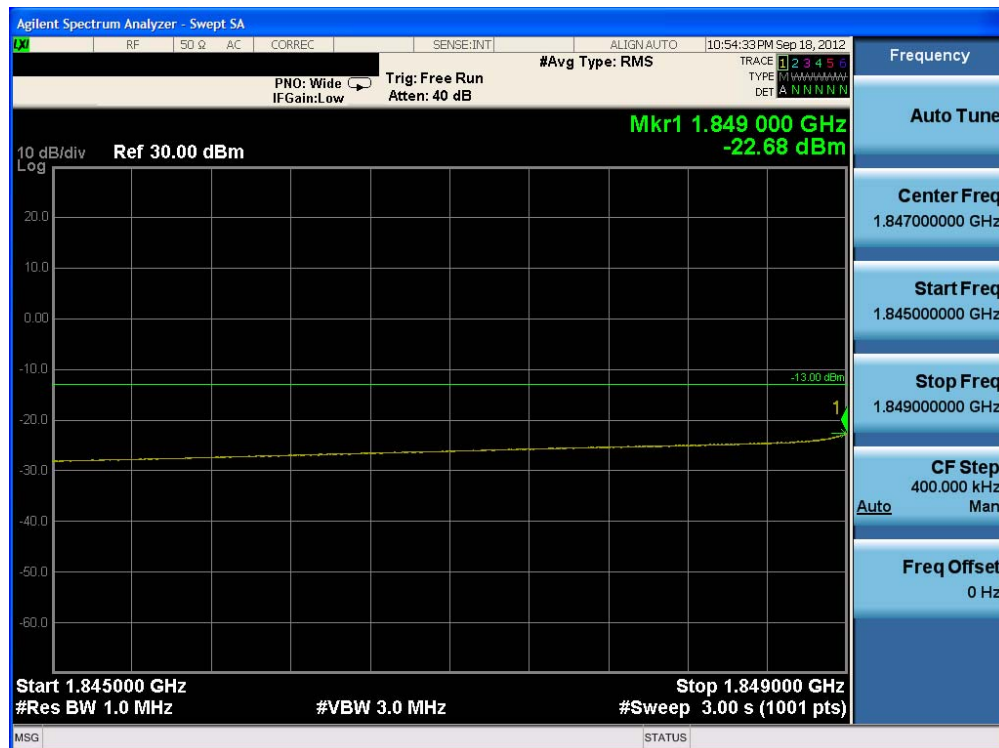
Plot 15-14. Upper Extended Band Edge Plot (QPSK – RB Size 50)

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16.0 BAND 25 – 10 MHZ BW



Plot 16-1. Lower Band Edge Plot (QPSK – RB Size 50)

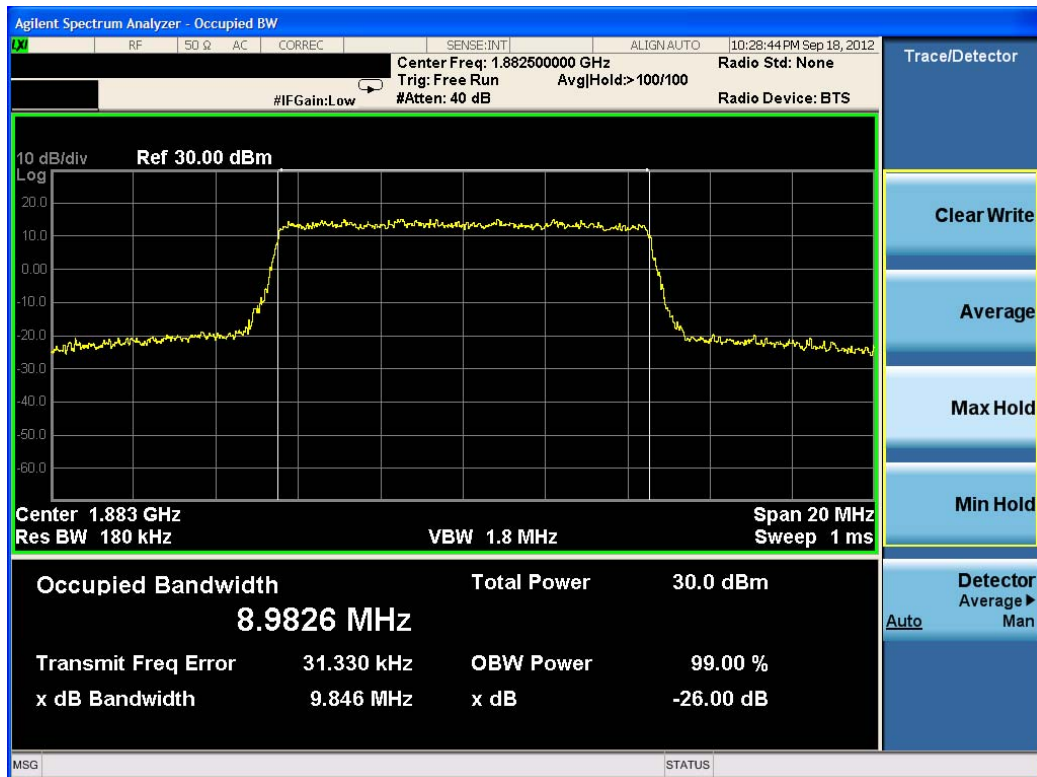


FCC ID: ZNFMS870	 FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION) 		Reviewed by: Quality Manager
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Plot 16-2. Lower Extended Band Edge Plot (QPSK – RB Size 50)



Plot 16-3. Occupied Bandwidth Plot (QPSK – RB Size 50)



Plot 16-4. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
Test Report S/N: 0Y1209241399.ZNF	Test Dates: 09/07/2012-09/27/2012	EUT Type: Portable Handset		Page 95 of 101

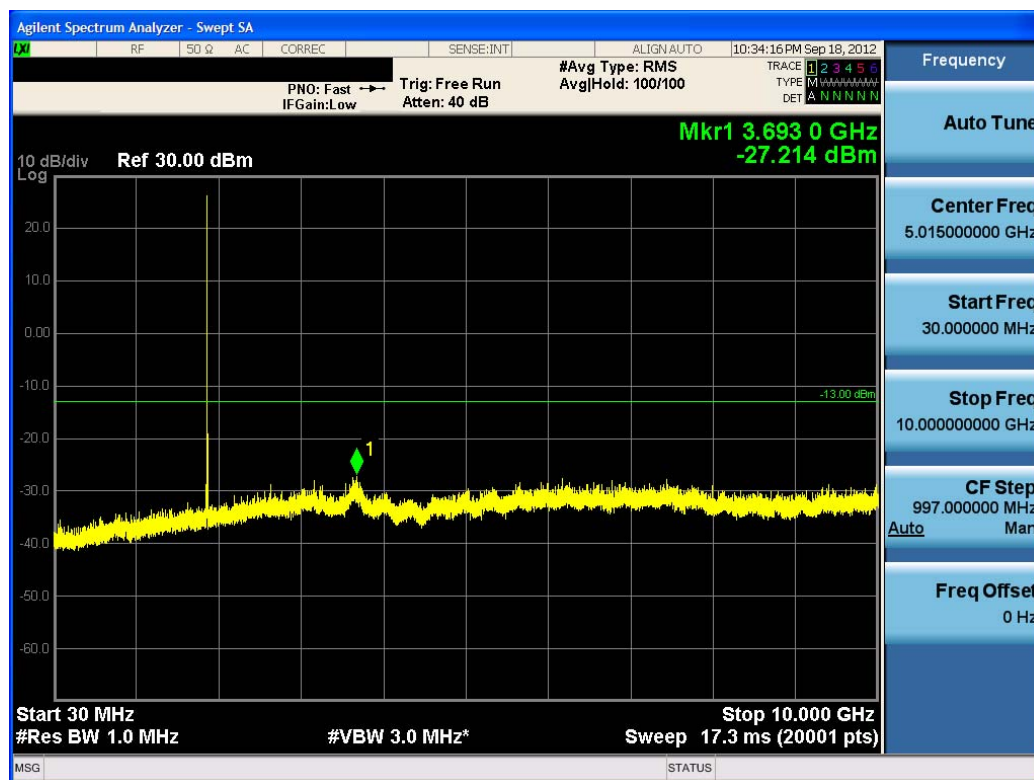


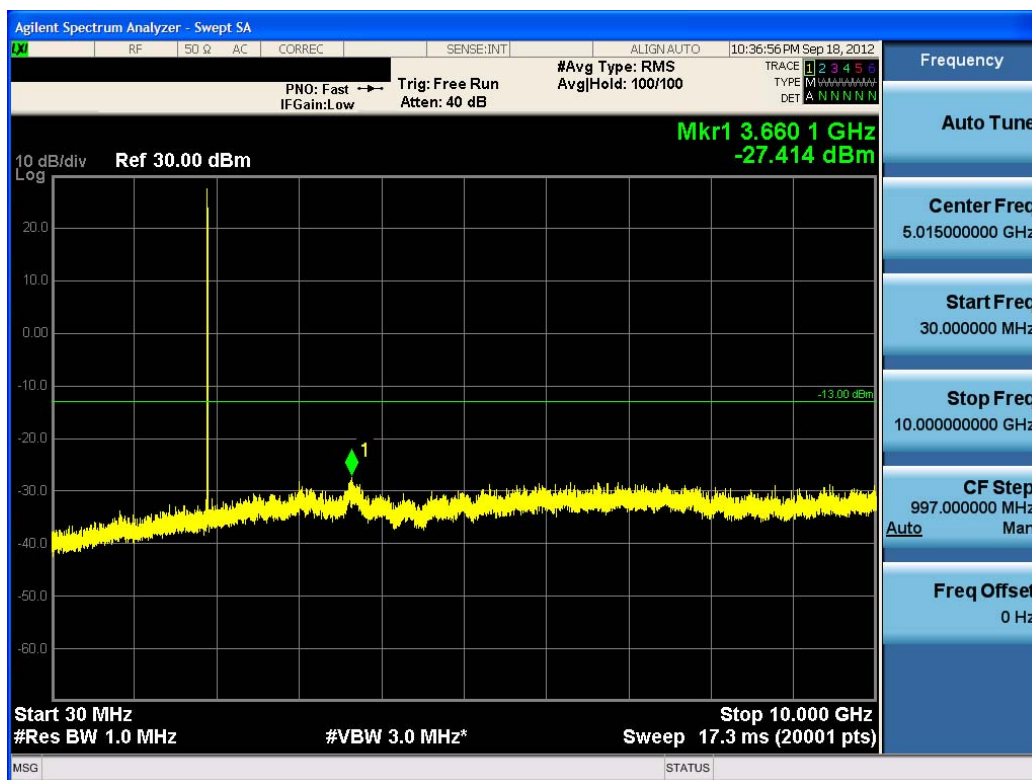
Plot 16-5. Peak to Average Ratio Plot (QPSK – RB Size 50)



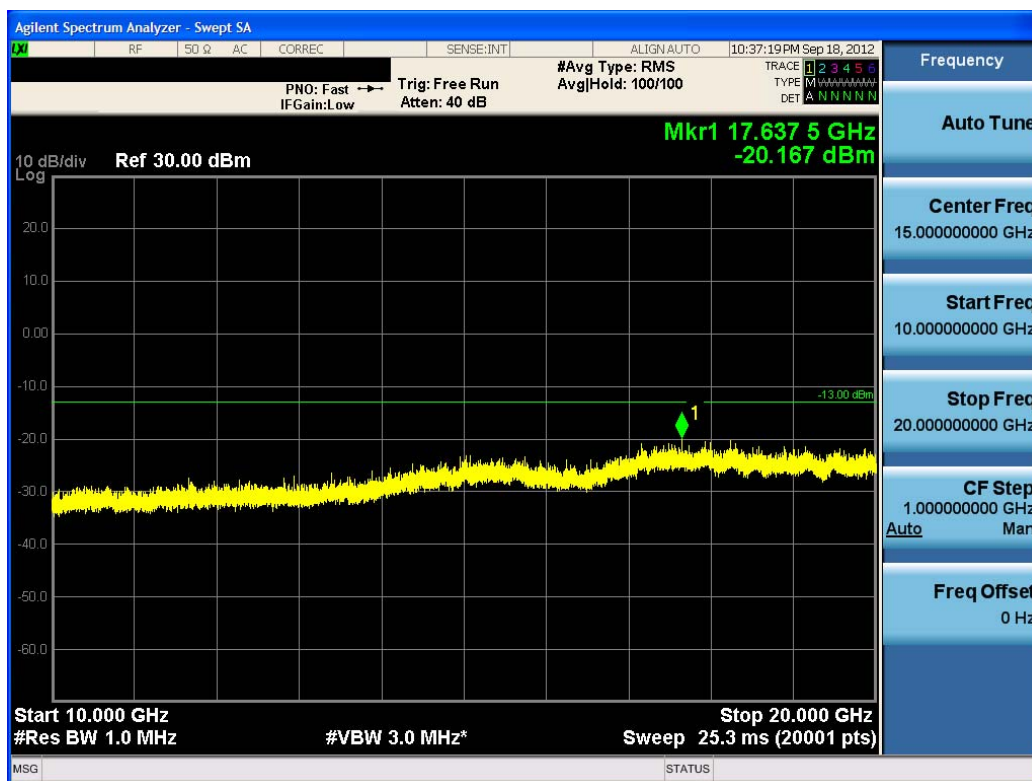
Plot 16-6. Peak to Average Ratio Plot (16QAM – RB Size 50)

FCC ID: ZNFMS870	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Plot 16-11. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

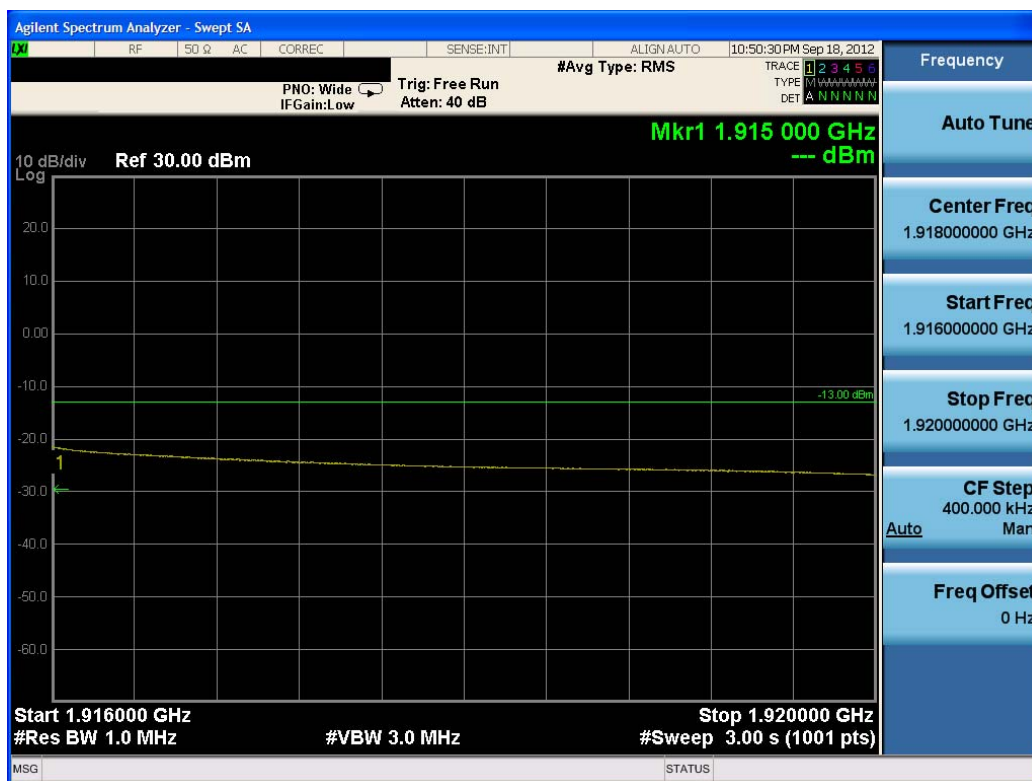


Plot 16-12. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFMS870	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	LG	Reviewed by: Quality Manager
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Plot 16-13. Upper Band Edge Plot (QPSK – RB Size 50)



Plot 16-14. Upper Extended Band Edge Plot (QPSK – RB Size 50)

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17.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LG Portable Handset FCC ID: ZNFMS870** complies with all the requirements of Parts 2, 24 and 27 of the FCC rules for LTE operation only.

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