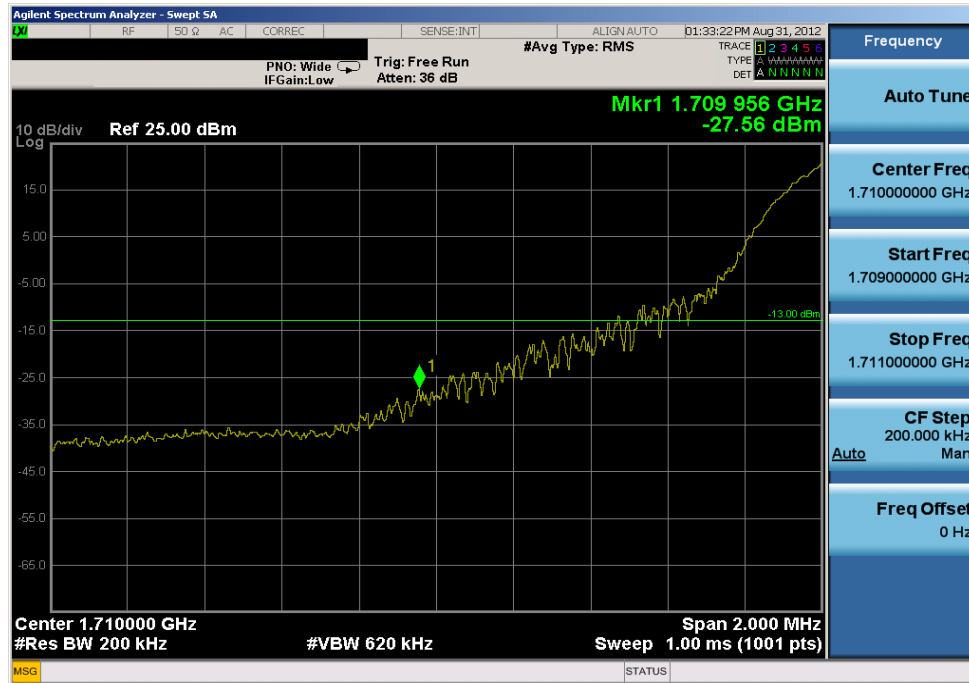
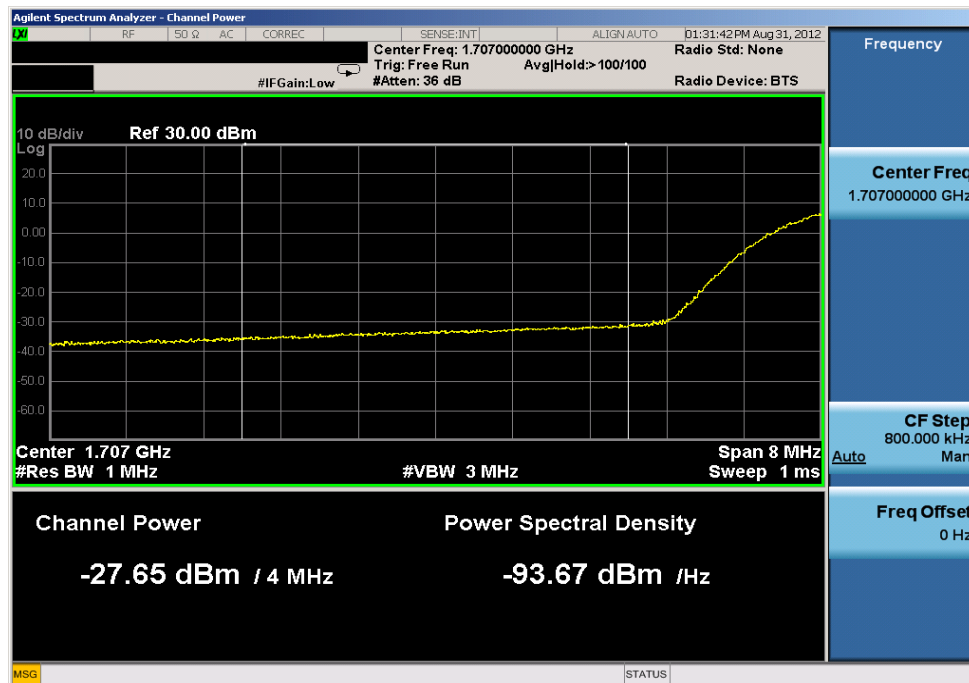


BAND 4 – 20 MHz BW

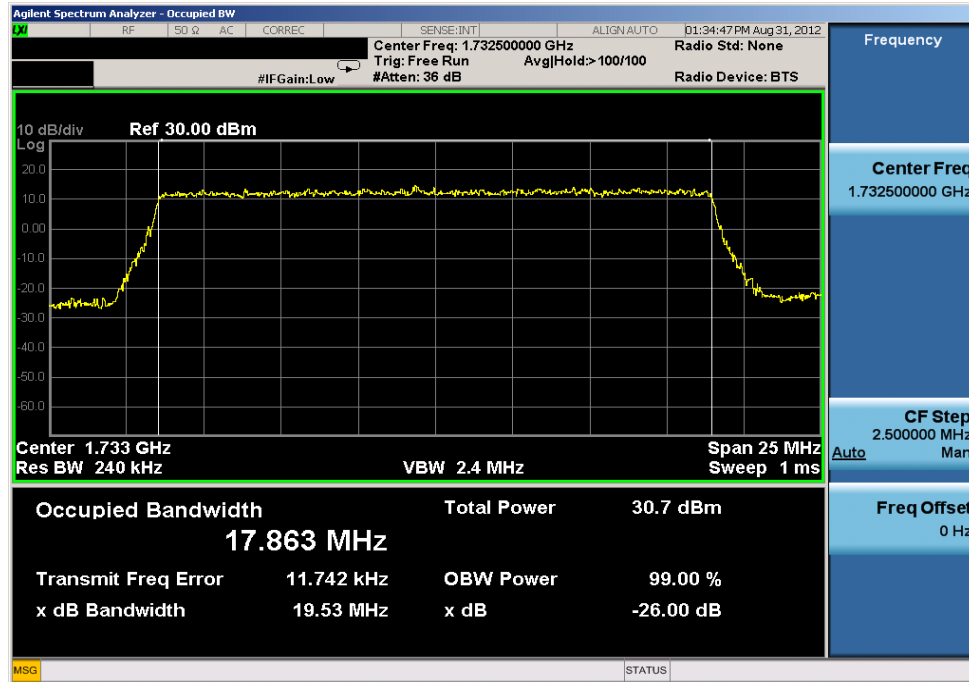


Plot 7-91. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

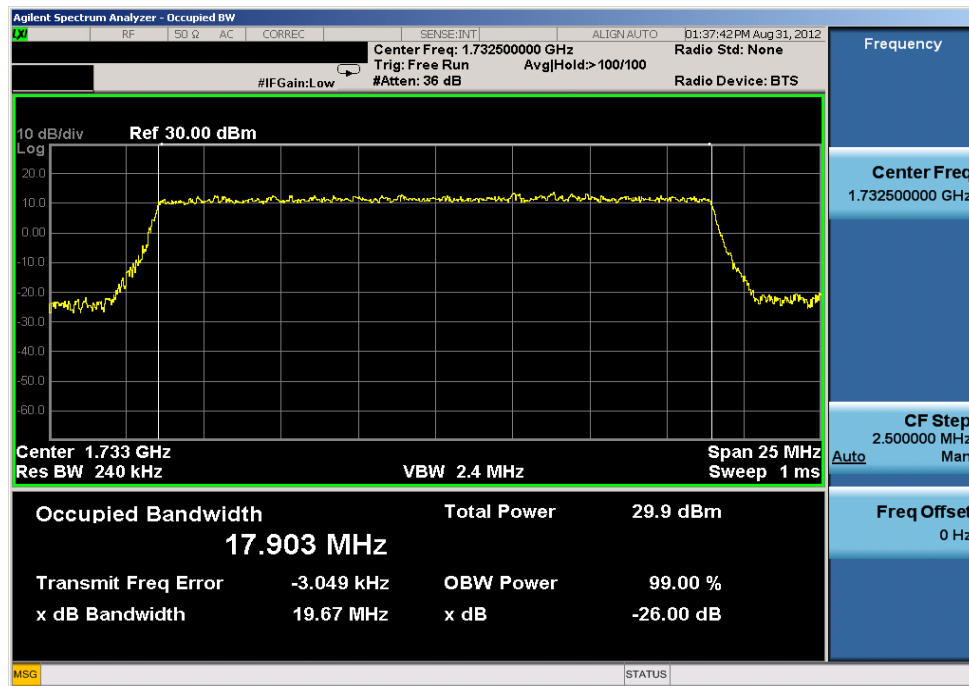


Plot 7-92. Lower Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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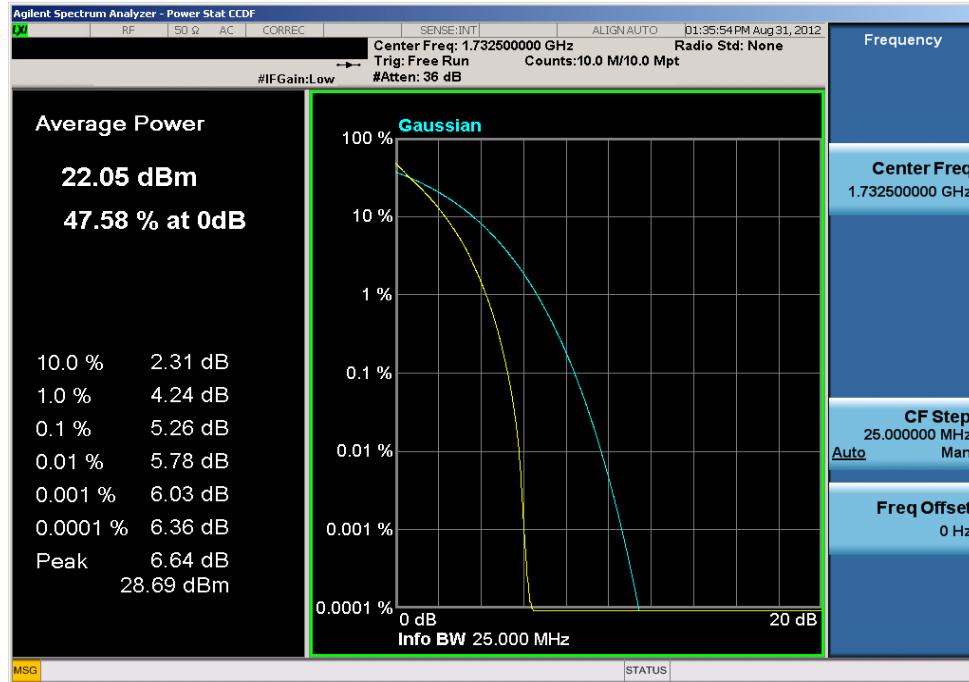


Plot 7-93. Occupied Bandwidth Plot (QPSK – RB Size 100)

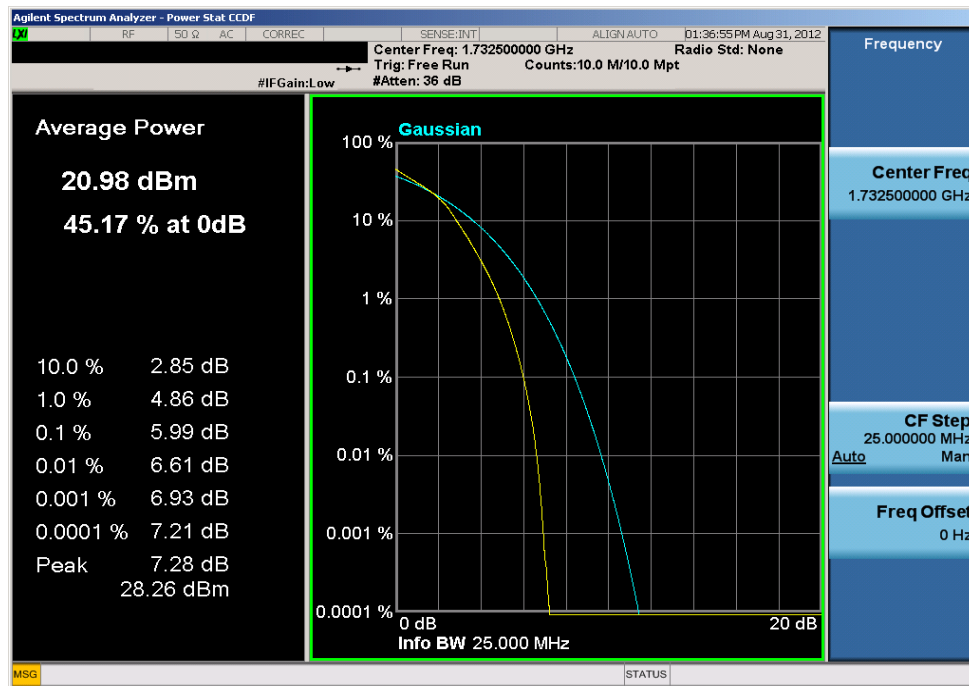


Plot 7-94. Occupied Bandwidth Plot (16-QAM – RB Size 100)

FCC ID: A3LSGHI317	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 83 of 117

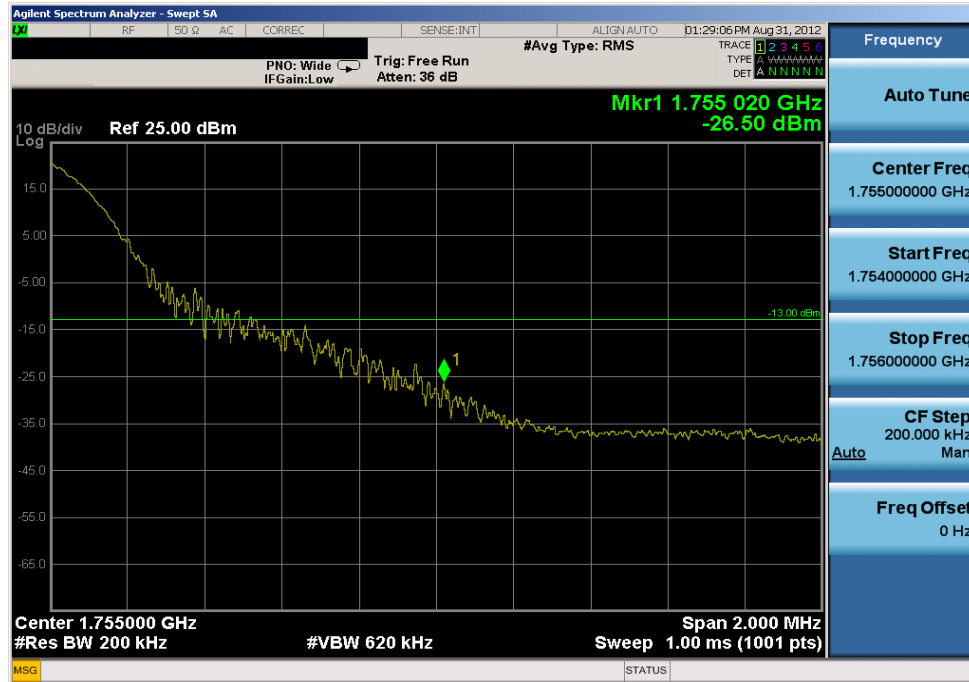


Plot 7-95. Peak to Average Ratio Plot (QPSK - RB Size 100)

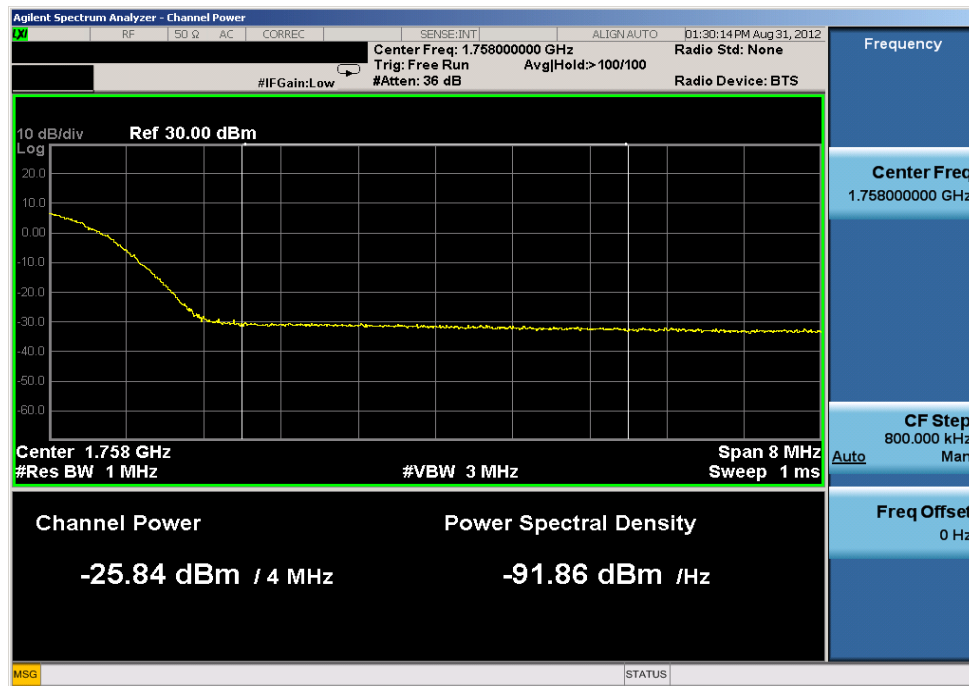


Plot 7-96. Peak to Average Ratio Plot (16QAM - RB Size 100)

FCC ID: A3LSGHI317	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 84 of 117



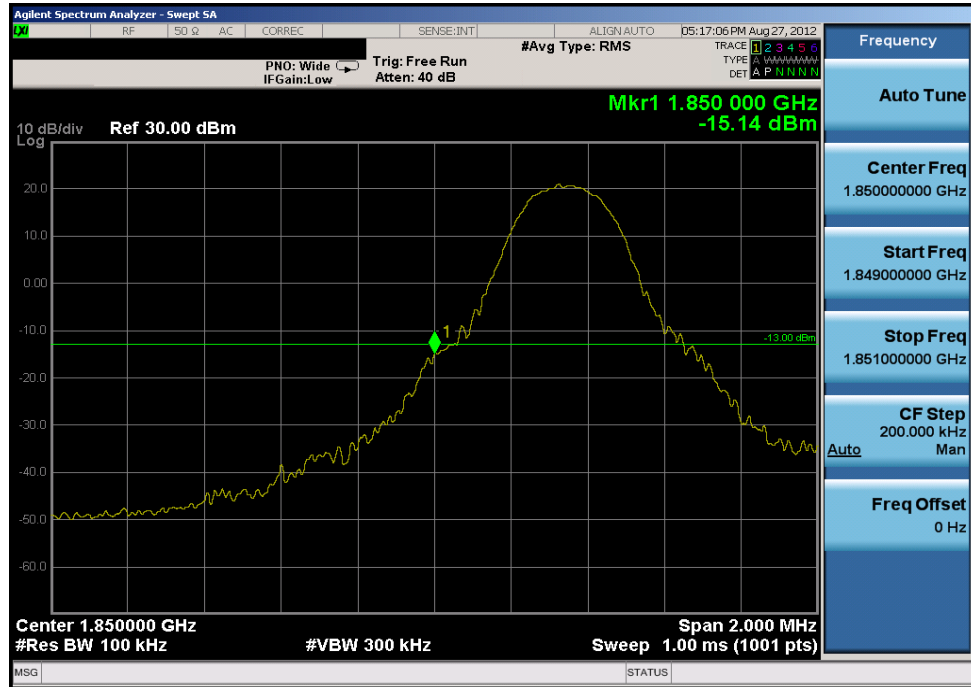
Plot 7-103. Upper Band Edge Plot (QPSK – RB Size 1, Offset 99)



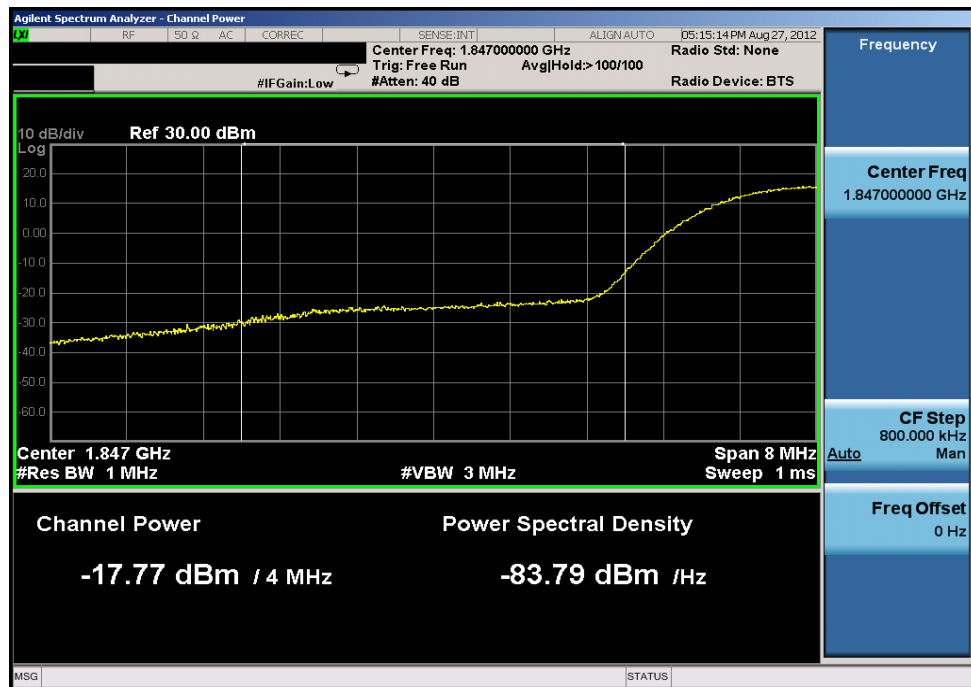
Plot 7-104. Upper Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 88 of 117

BAND 2 – 5 MHz BW

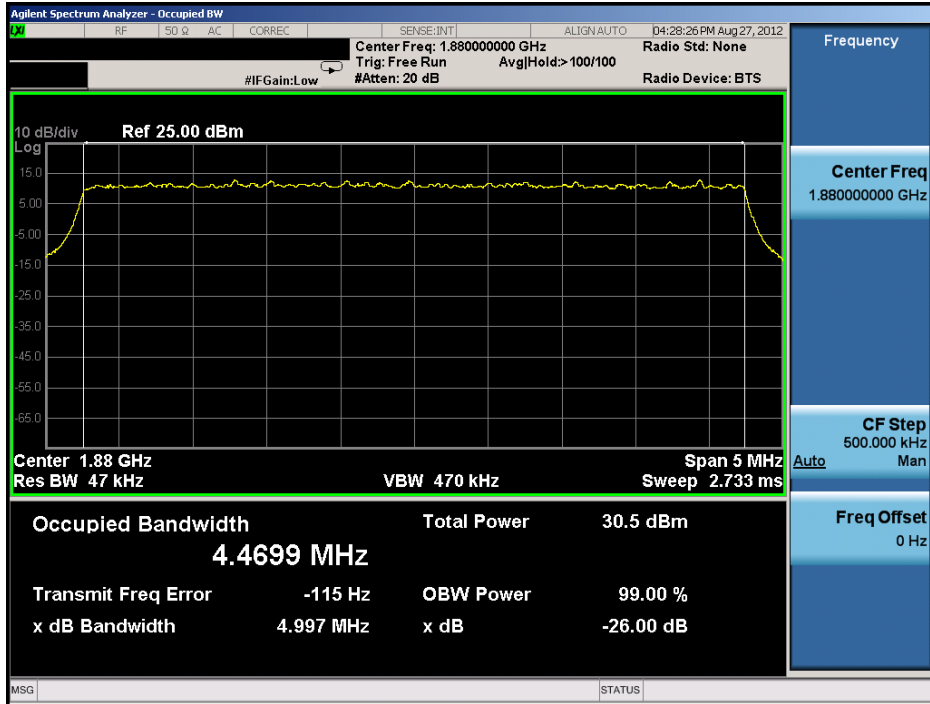


Plot 7-105. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

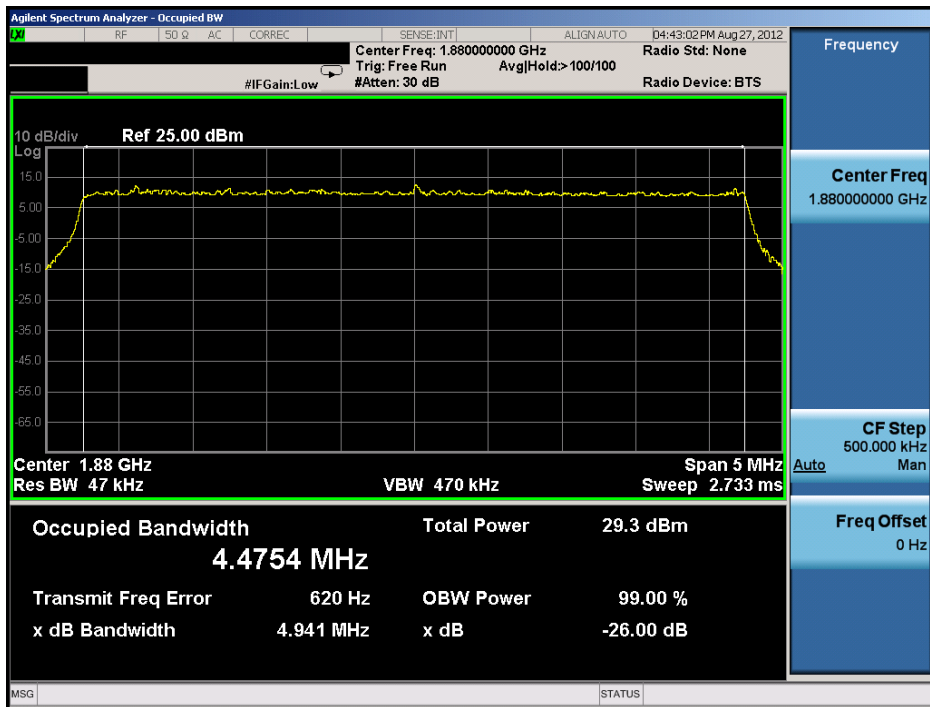


Plot 7-106. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 89 of 117

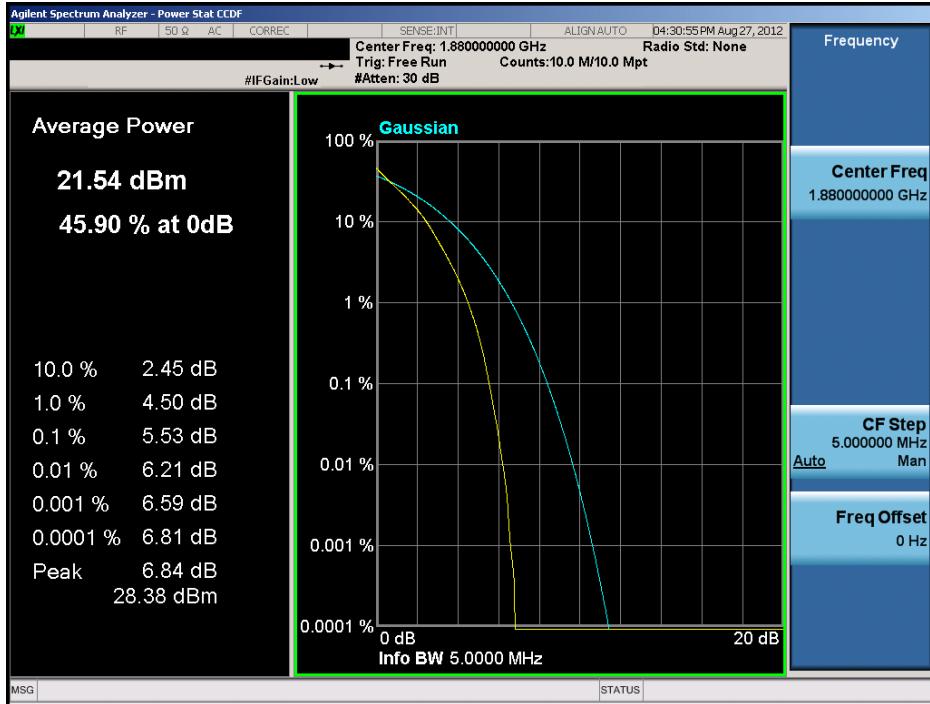


Plot 7-107. Occupied Bandwidth Plot (QPSK – RB Size 25)

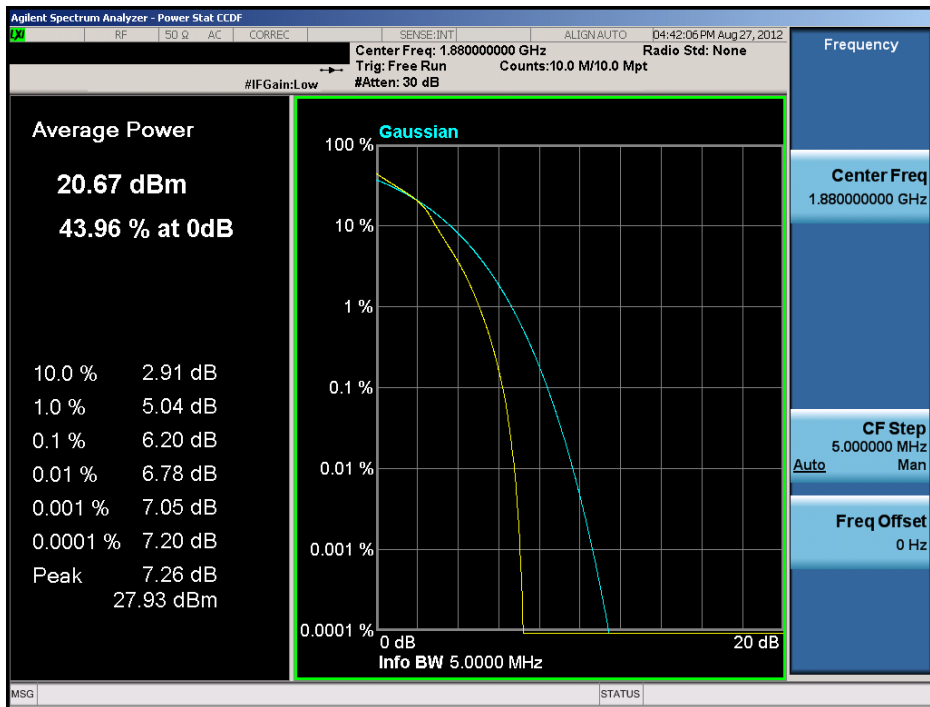


Plot 7-108. Occupied Bandwidth Plot (16-QAM – RB Size 25)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 90 of 117

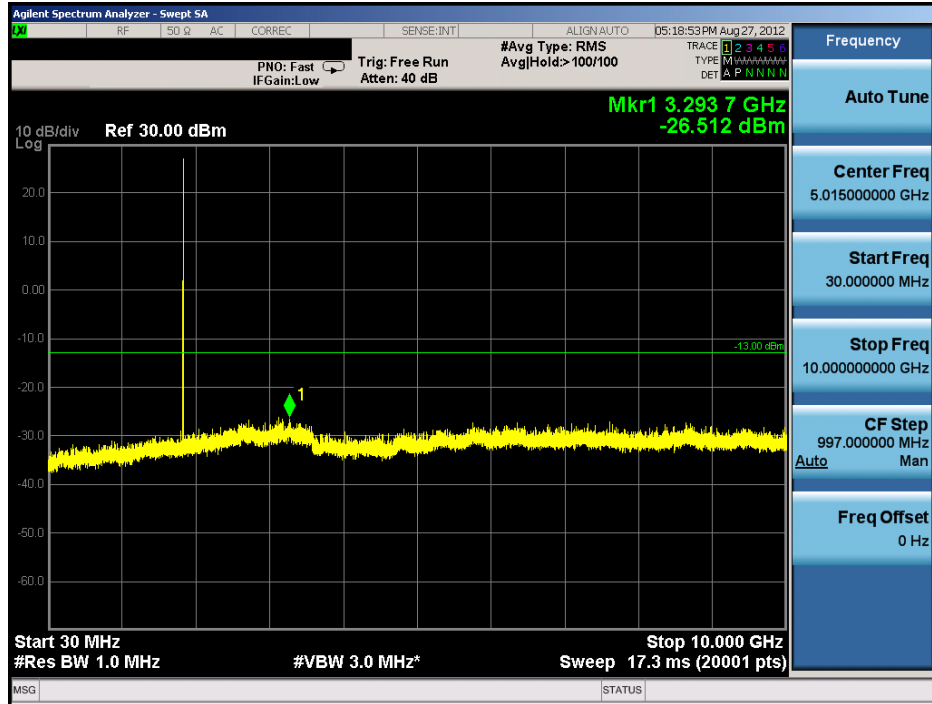


Plot 7-109. Peak to Average Ratio Plot (QPSK – RB Size 25)

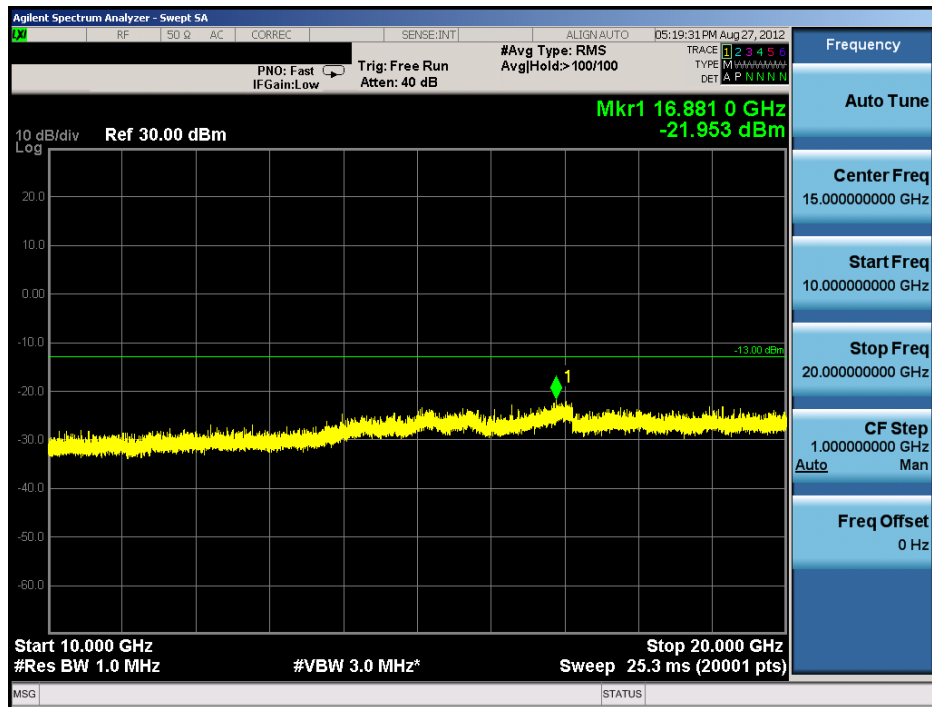


Plot 7-110. Peak to Average Ratio Plot (16QAM – RB Size 25)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 91 of 117

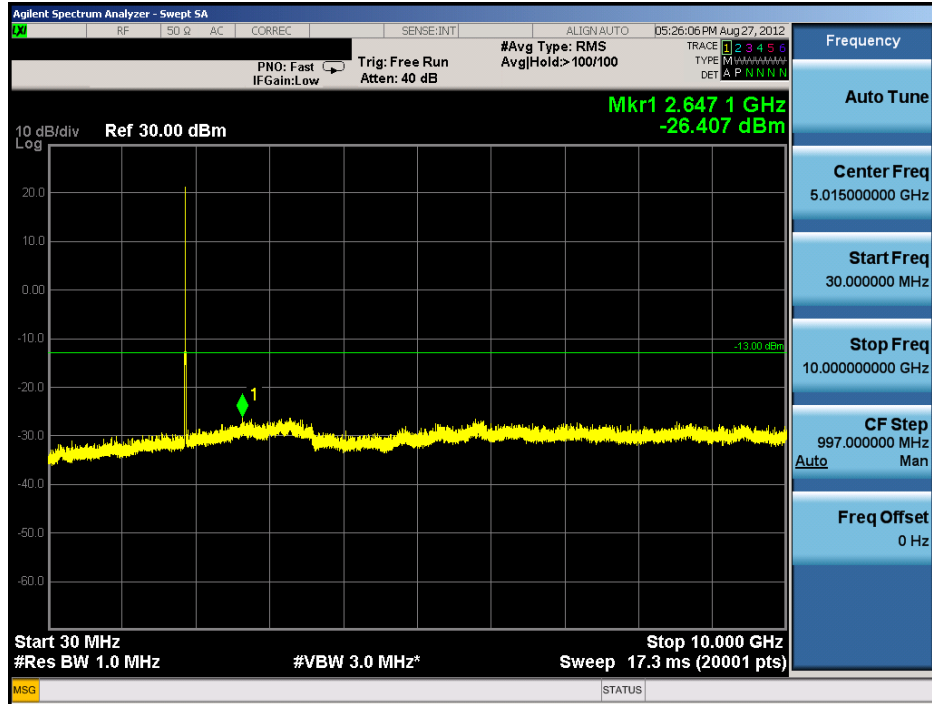


Plot 7-111. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

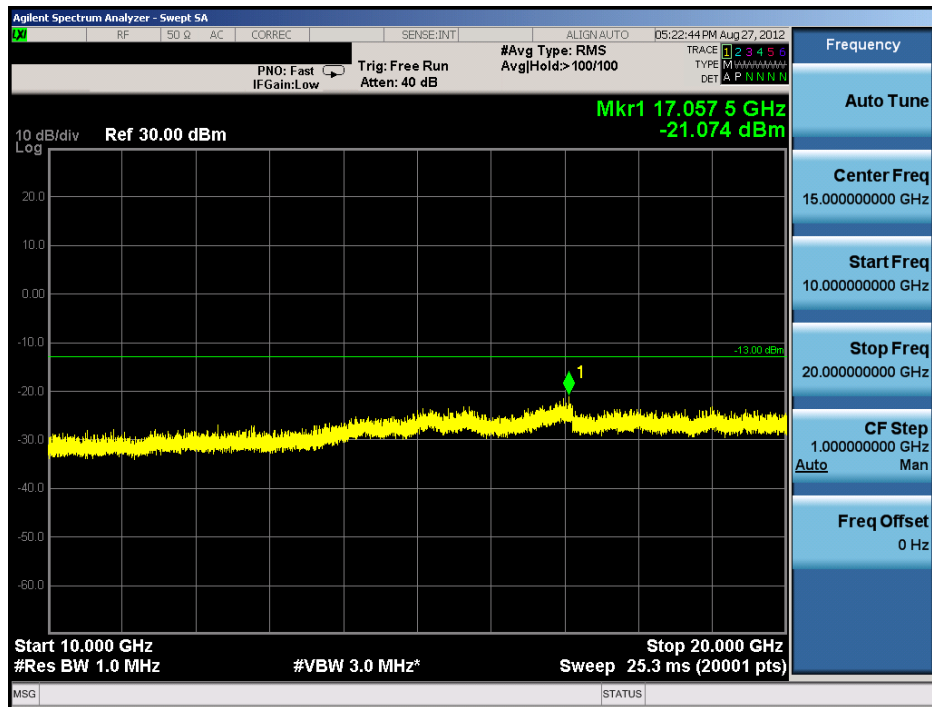


Plot 7-112. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 92 of 117

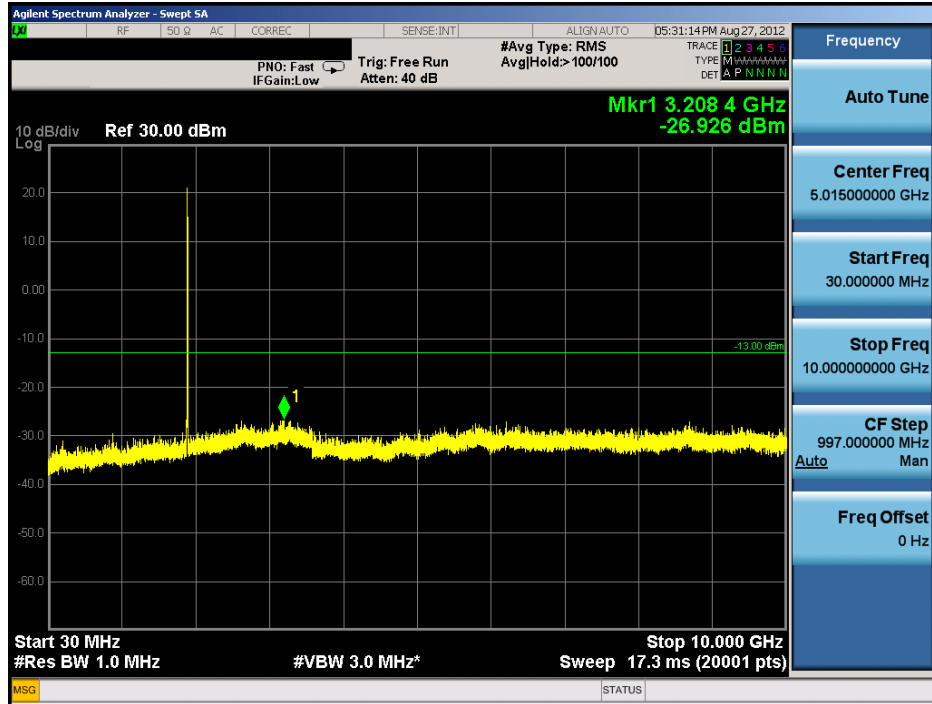


Plot 7-113. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

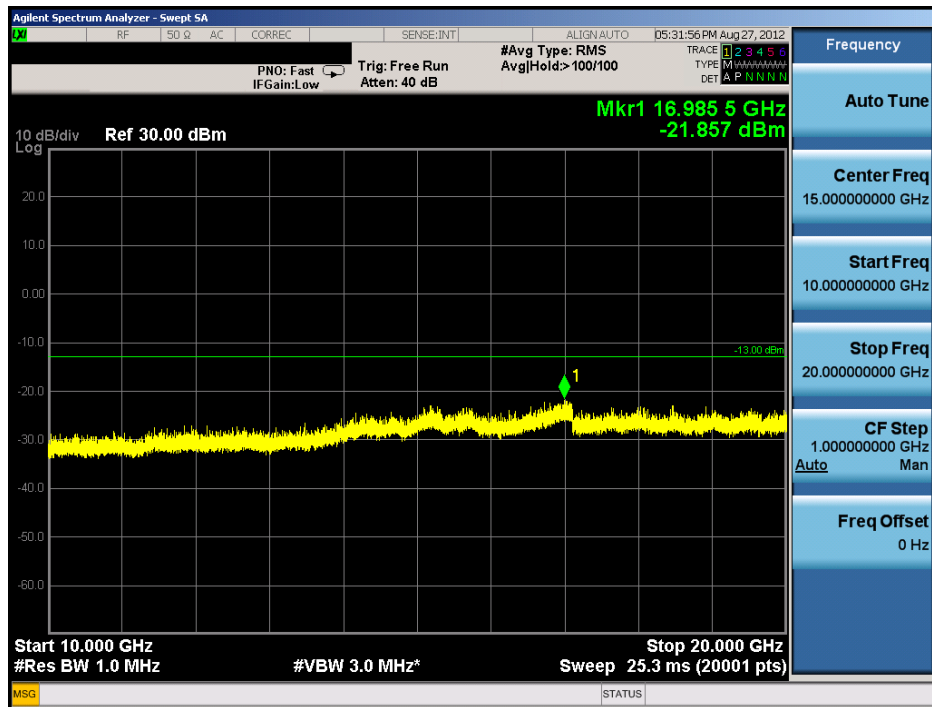


Plot 7-114. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 93 of 117



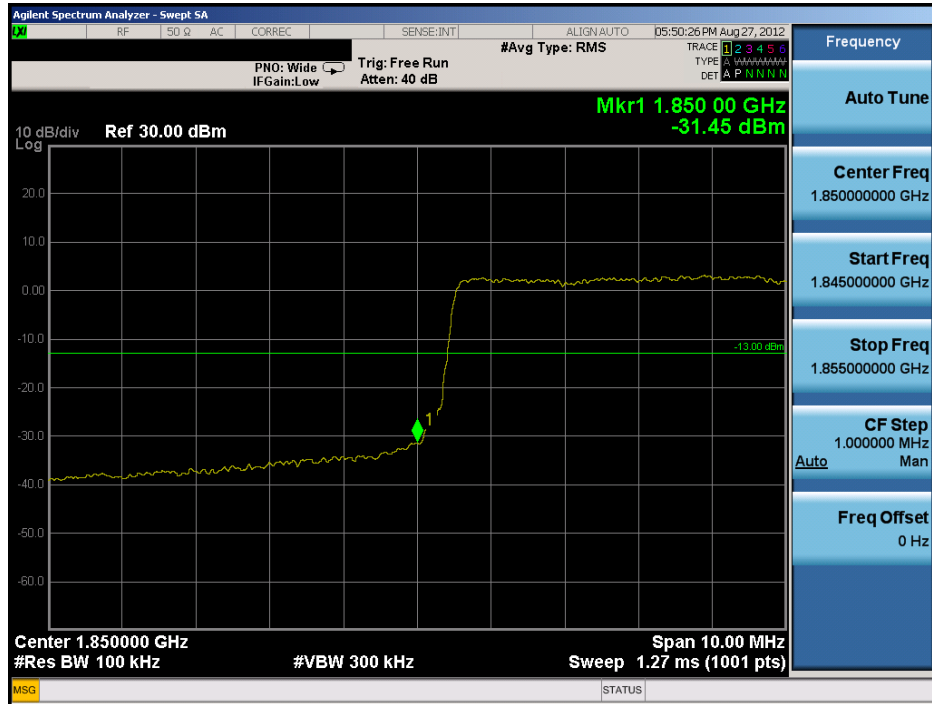
Plot 7-115. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)



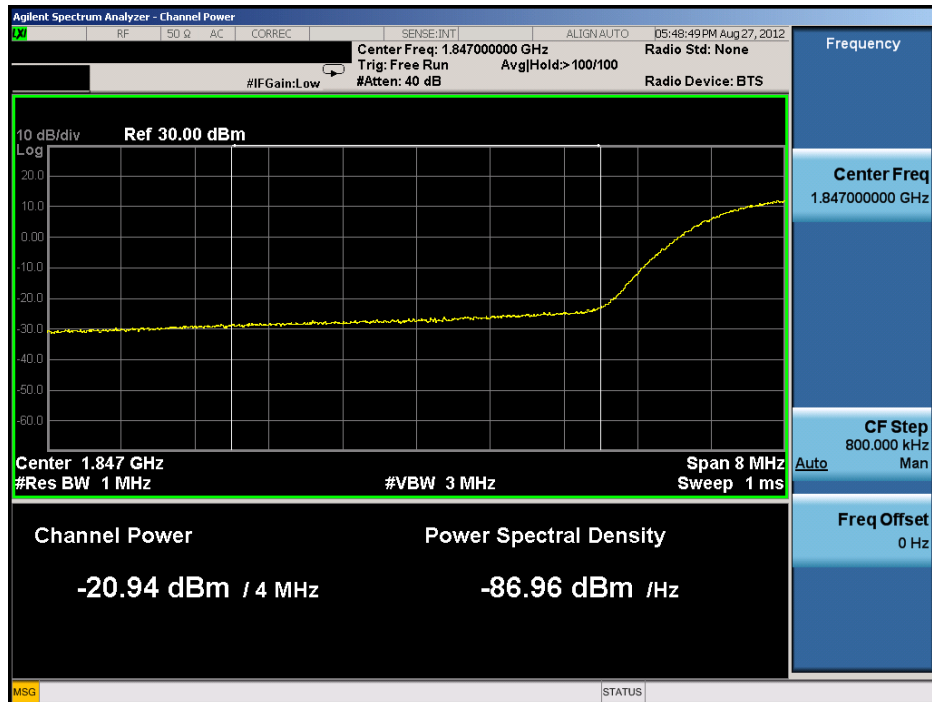
Plot 7-116. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 94 of 117

BAND 2 – 10 MHZ BW

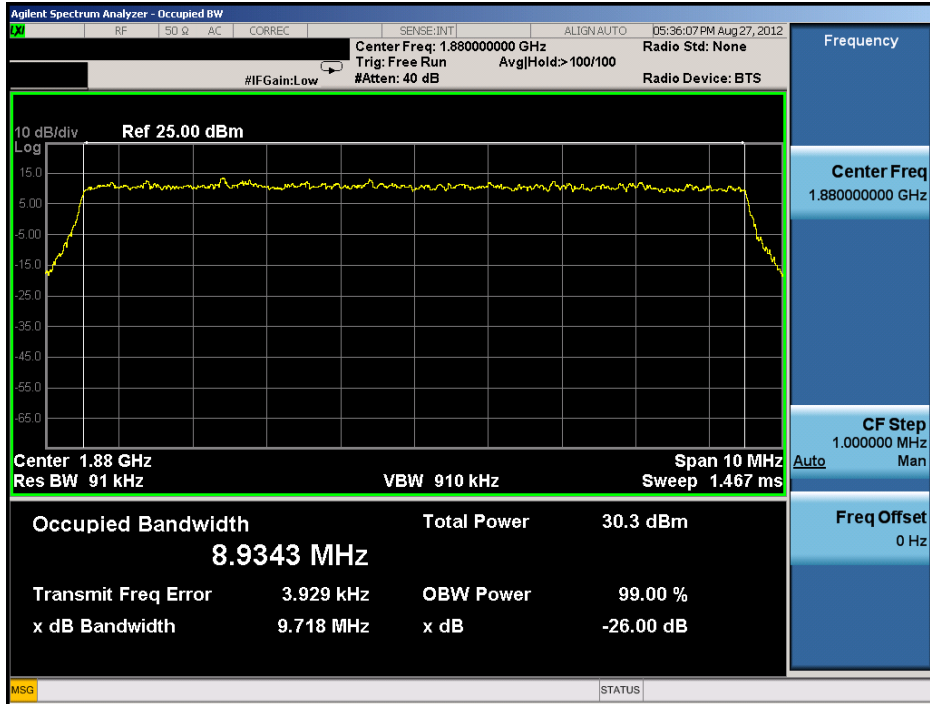


Plot 7-119. Lower Band Edge Plot (QPSK – RB Size 50)

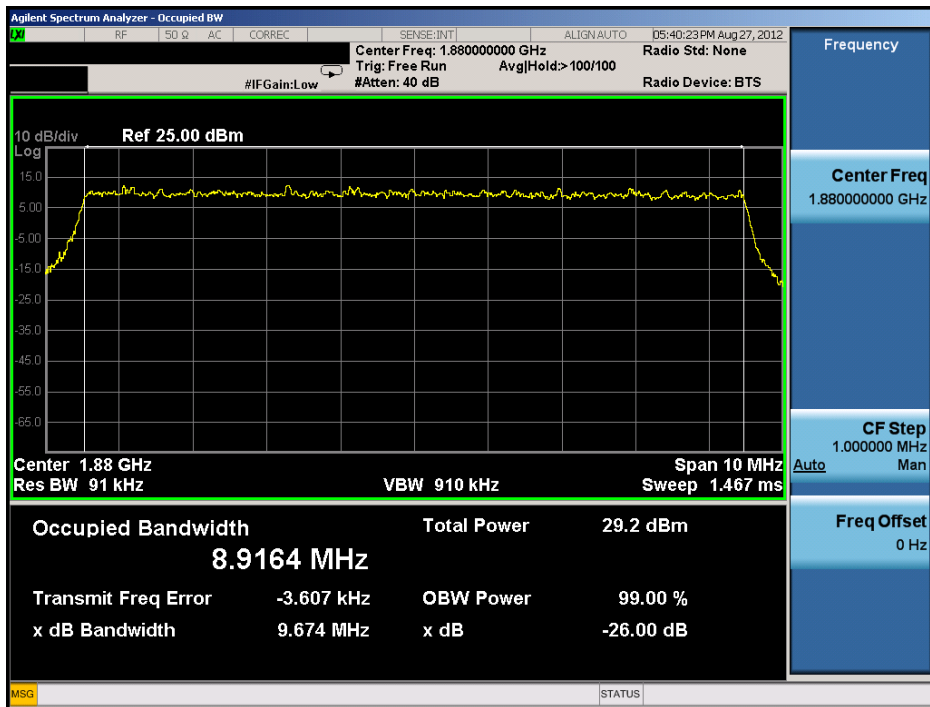


Plot 7-120. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

FCC ID: A3LSGHI317	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 96 of 117

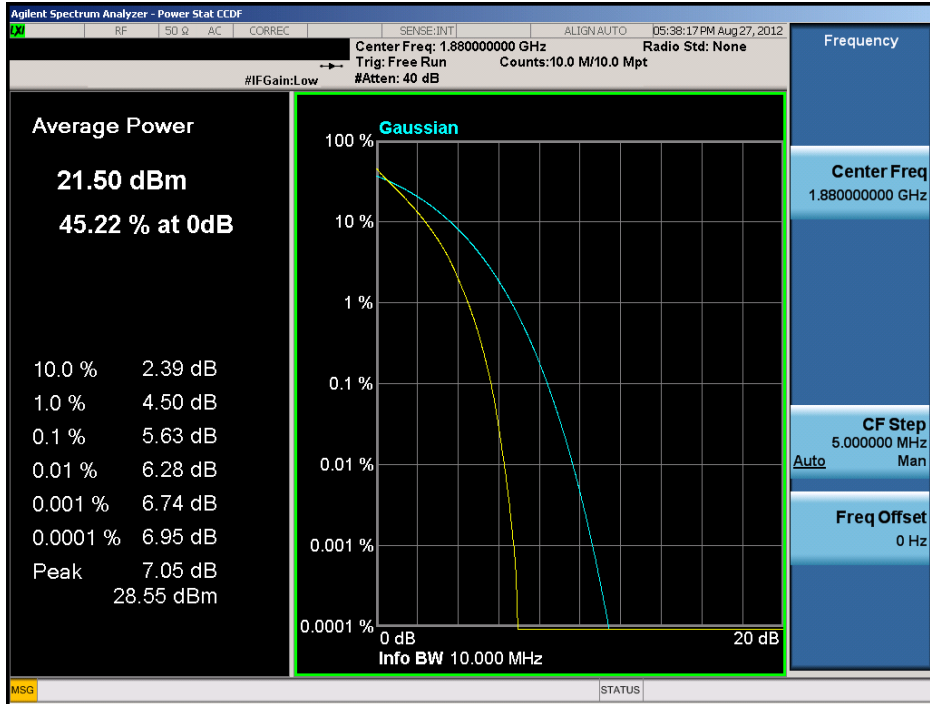


Plot 7-121. Occupied Bandwidth Plot (QPSK – RB Size 50)

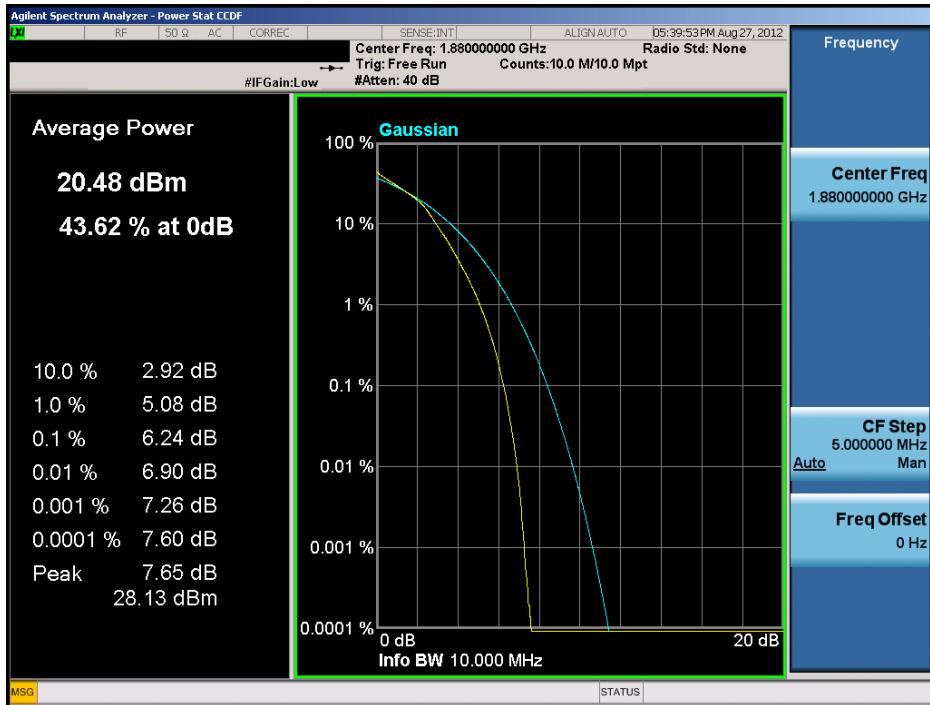


Plot 7-122. Occupied Bandwidth Plot (16-QAM – RB Size 50)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 97 of 117

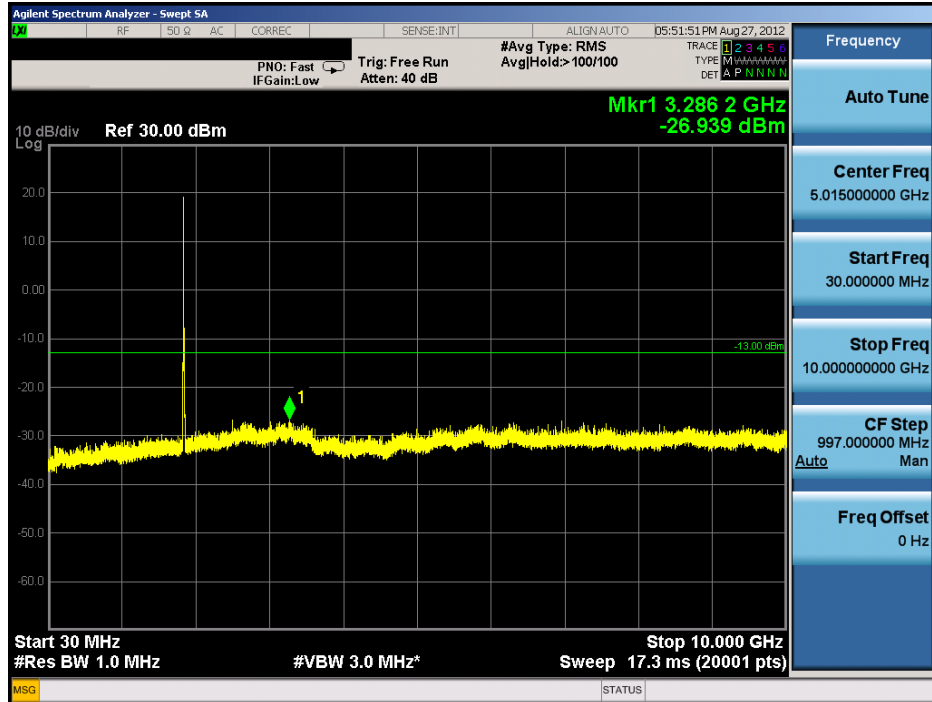


Plot 7-123. Peak to Average Ratio Plot (QPSK – RB Size 50)

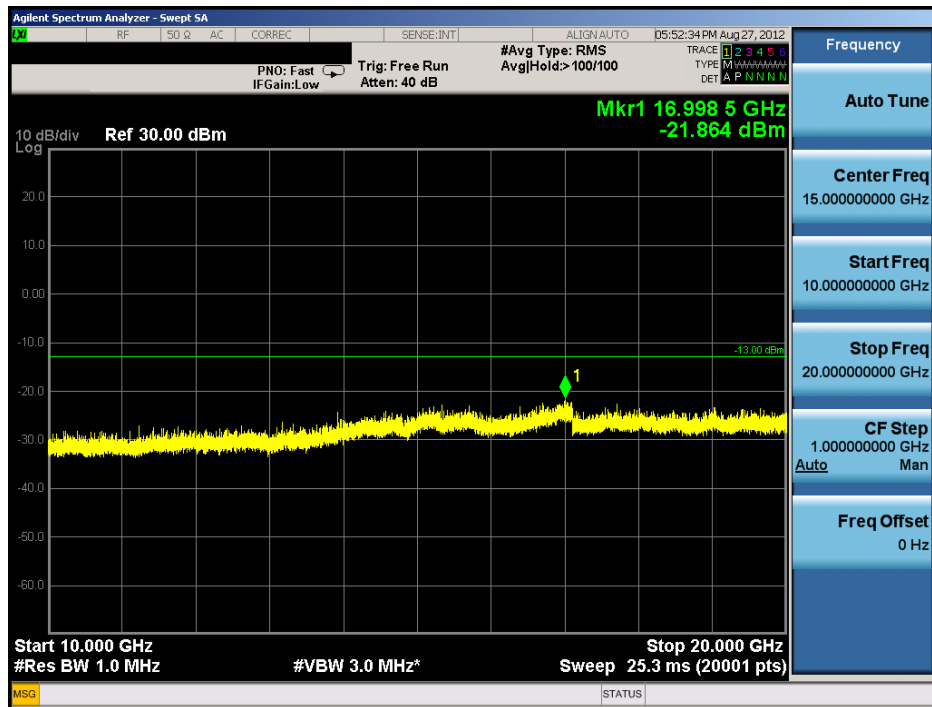


Plot 7-124. Peak to Average Ratio Plot (16QAM – RB Size 50)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 98 of 117

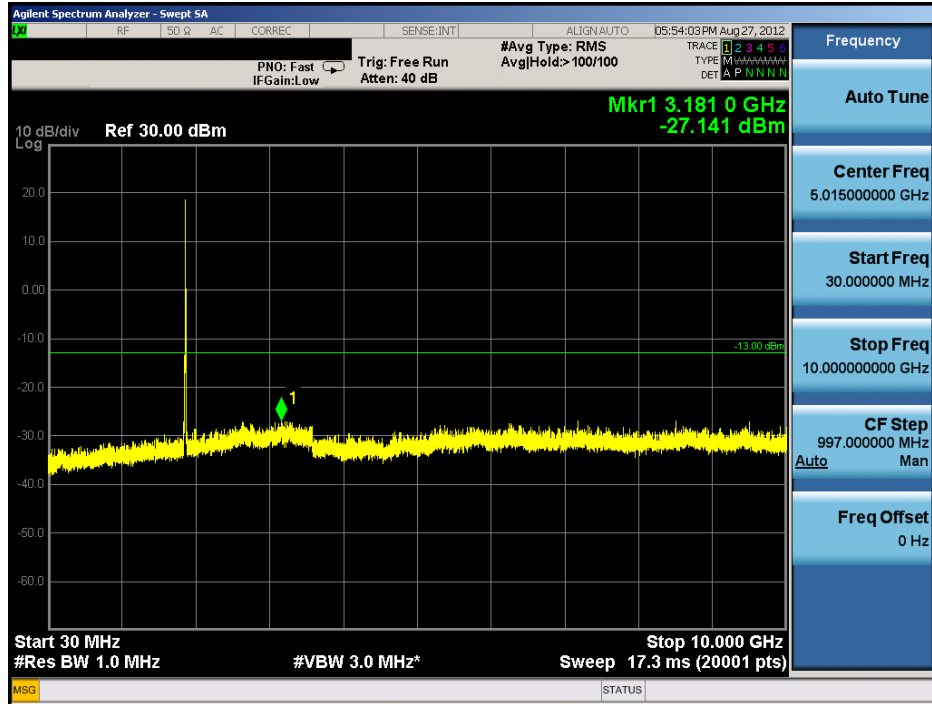


Plot 7-125. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

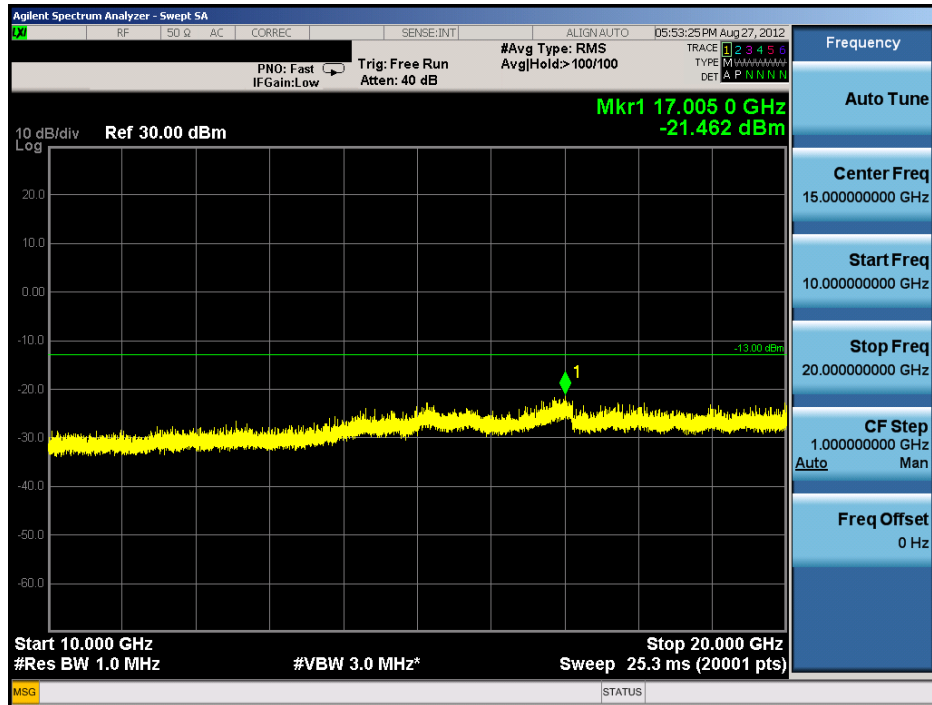


Plot 7-126. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)



FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 99 of 117

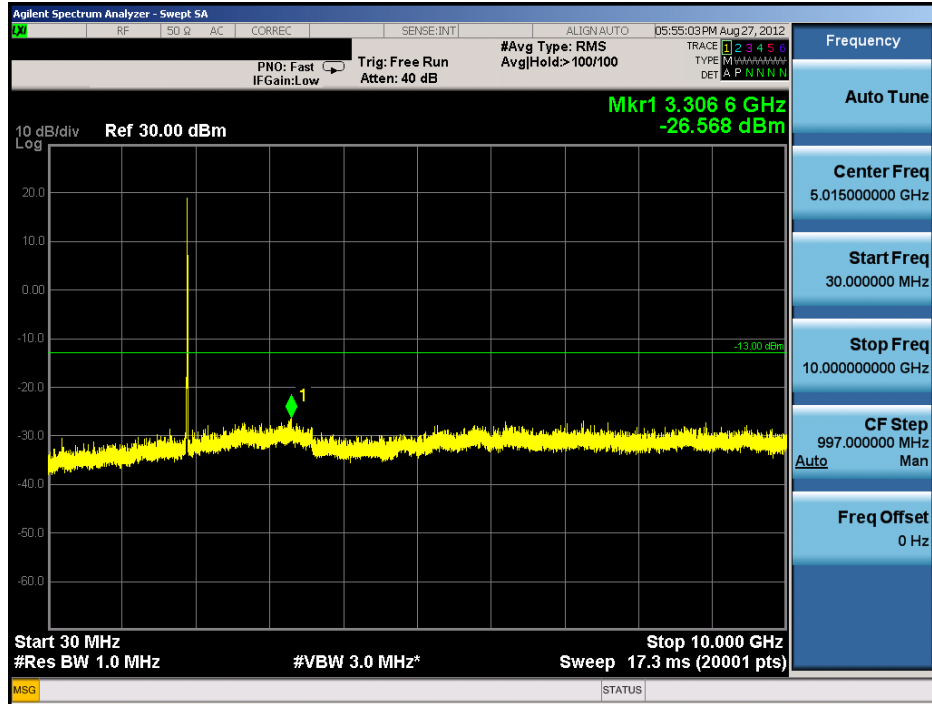


Plot 7-127. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

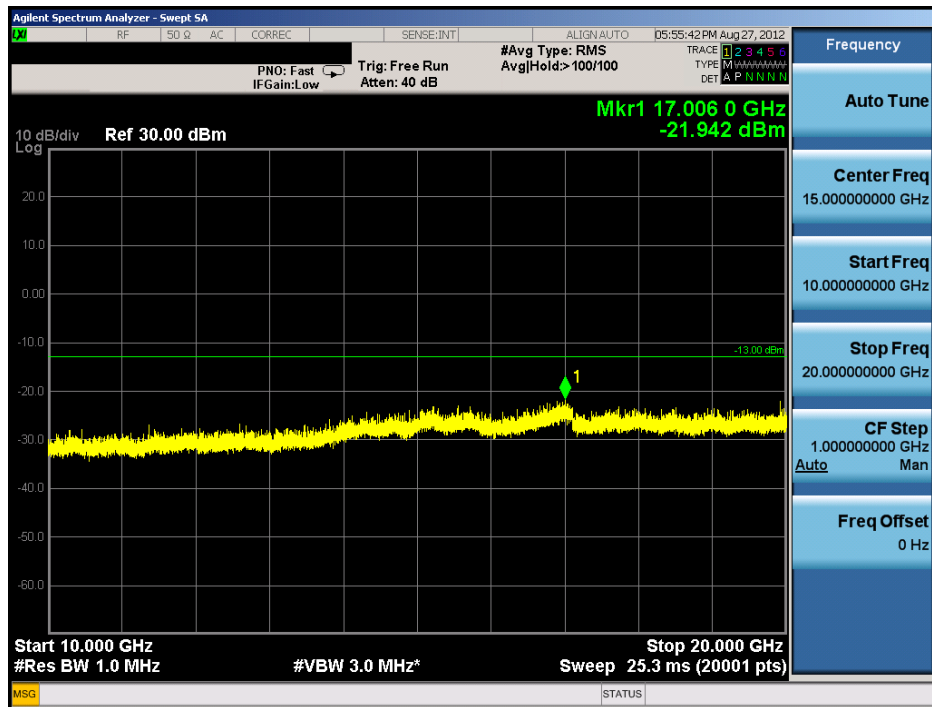


Plot 7-128. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 100 of 117

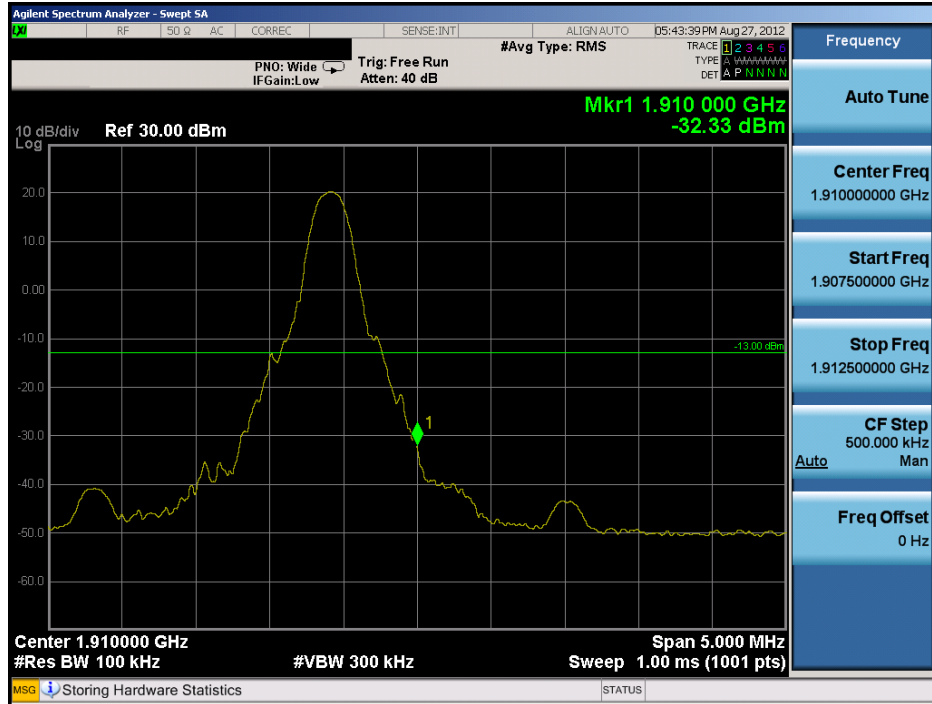


Plot 7-129. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

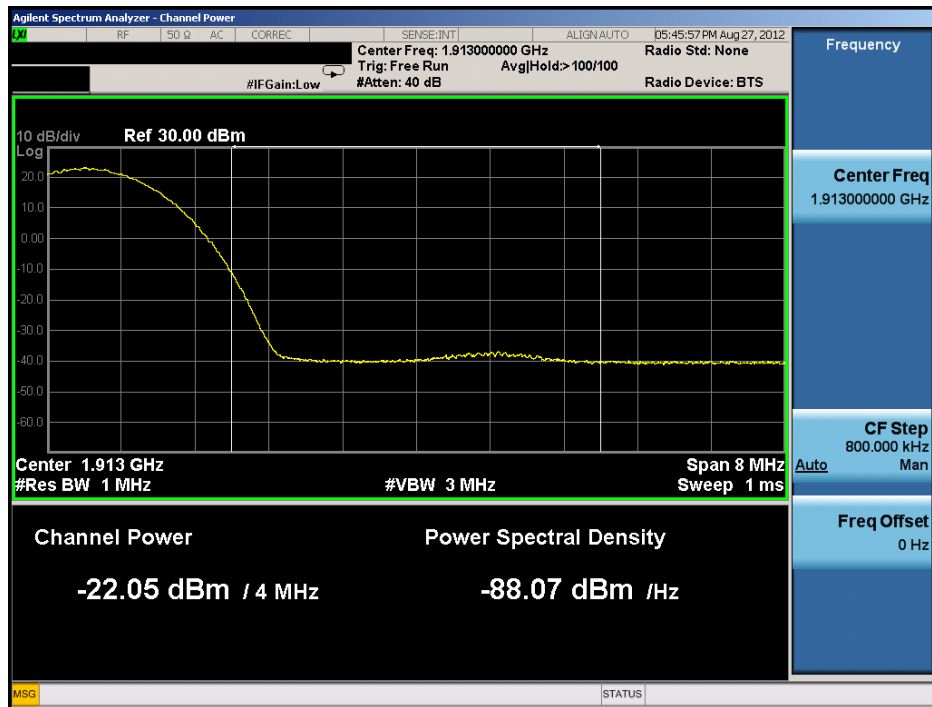


Plot 7-130. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 101 of 117



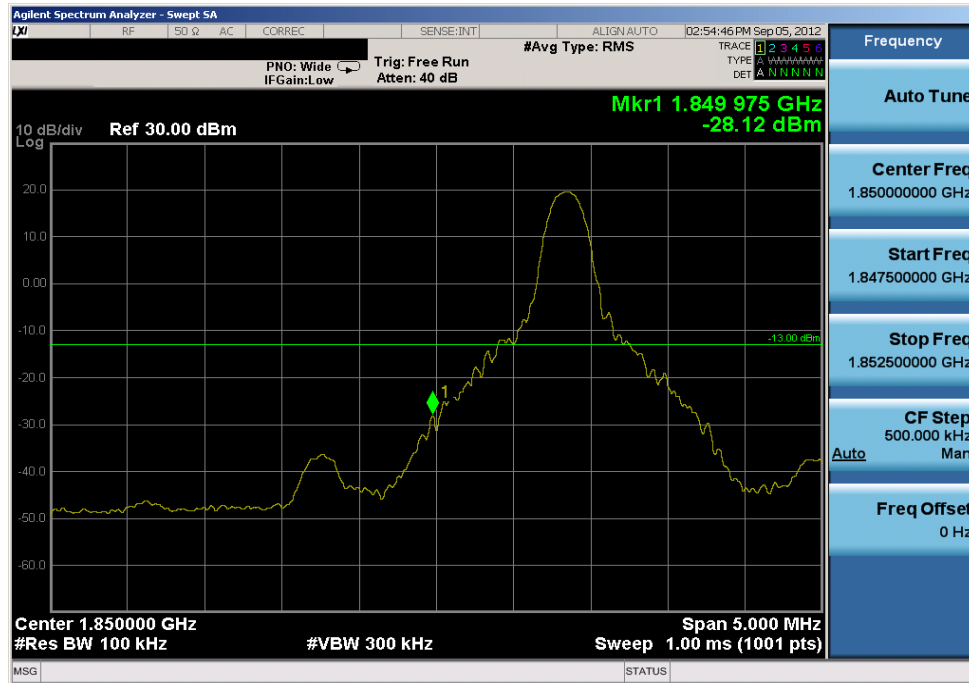
Plot 7-131. Upper Band Edge Plot (QPSK – RB Size 1, Offset 49)



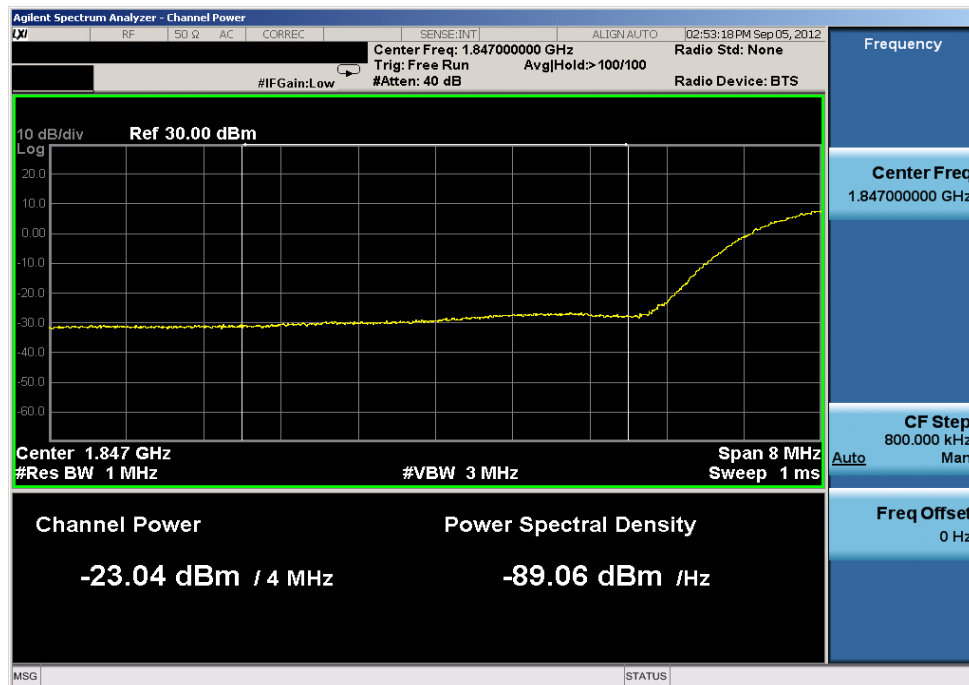
Plot 7-132. Upper Band Edge Plot (QPSK – RB Size 1, Offset 49)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 102 of 117

BAND 2 – 15 MHZ BW

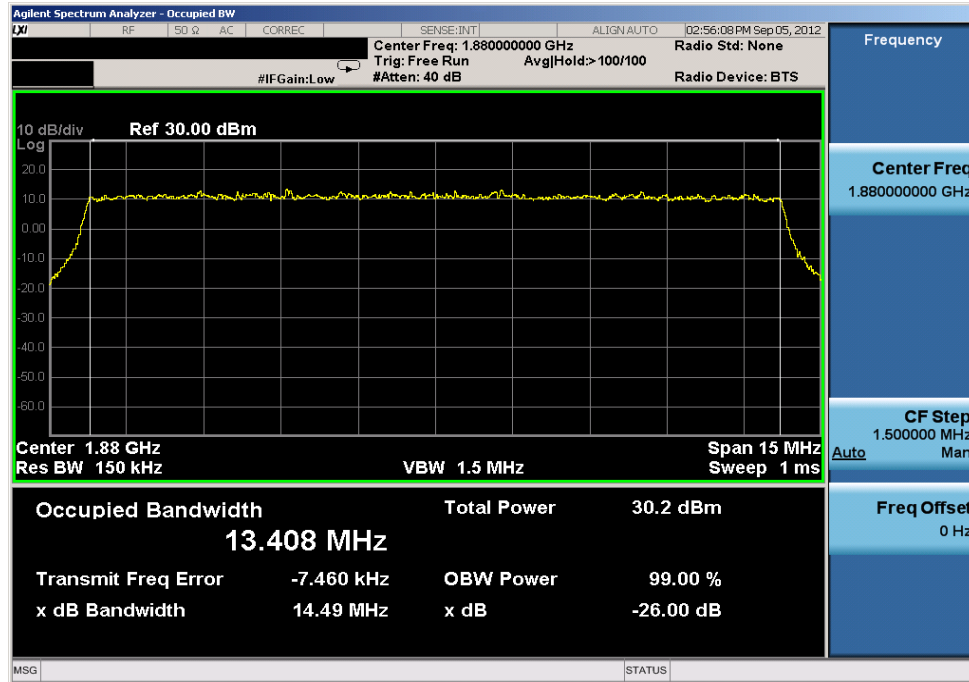


Plot 7-133. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

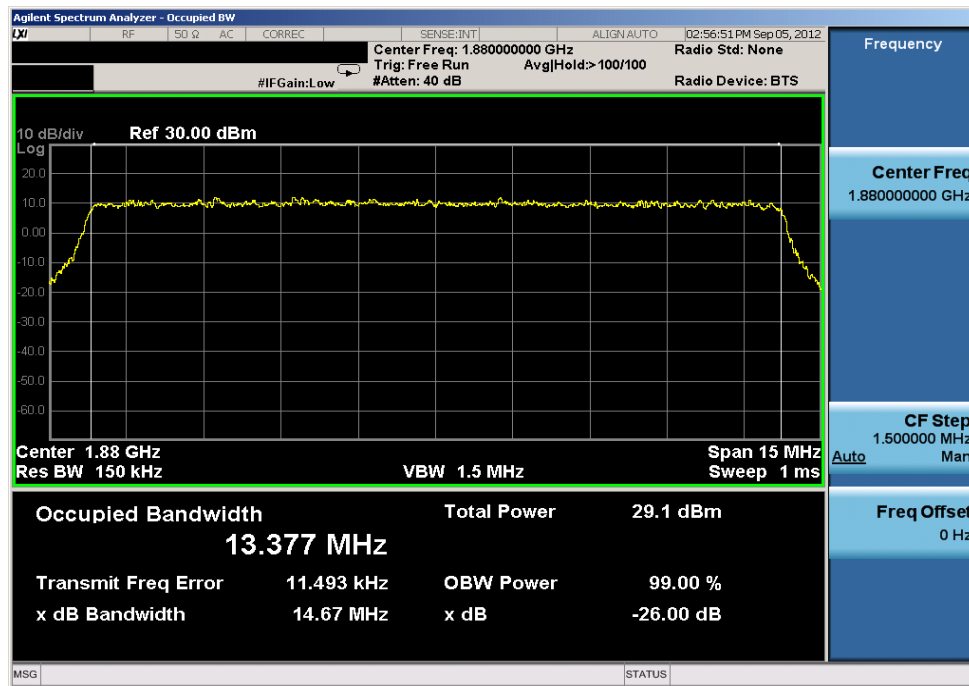


Plot 7-134. Lower Band Edge Plot (QPSK – RB Size 75)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 103 of 117

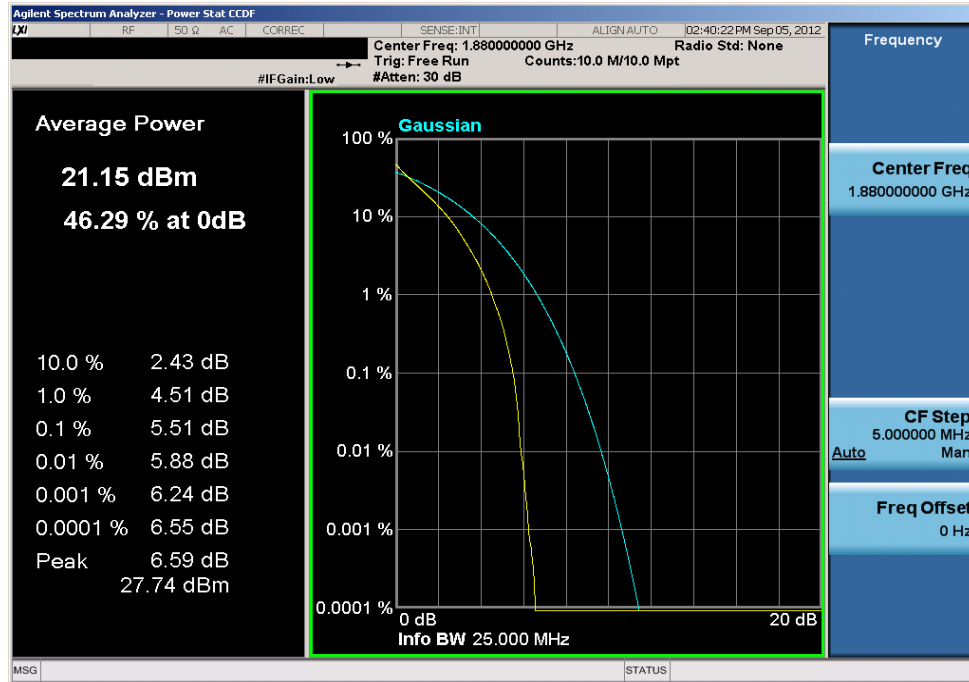


Plot 7-135. Occupied Bandwidth Plot (QPSK – RB Size 75)

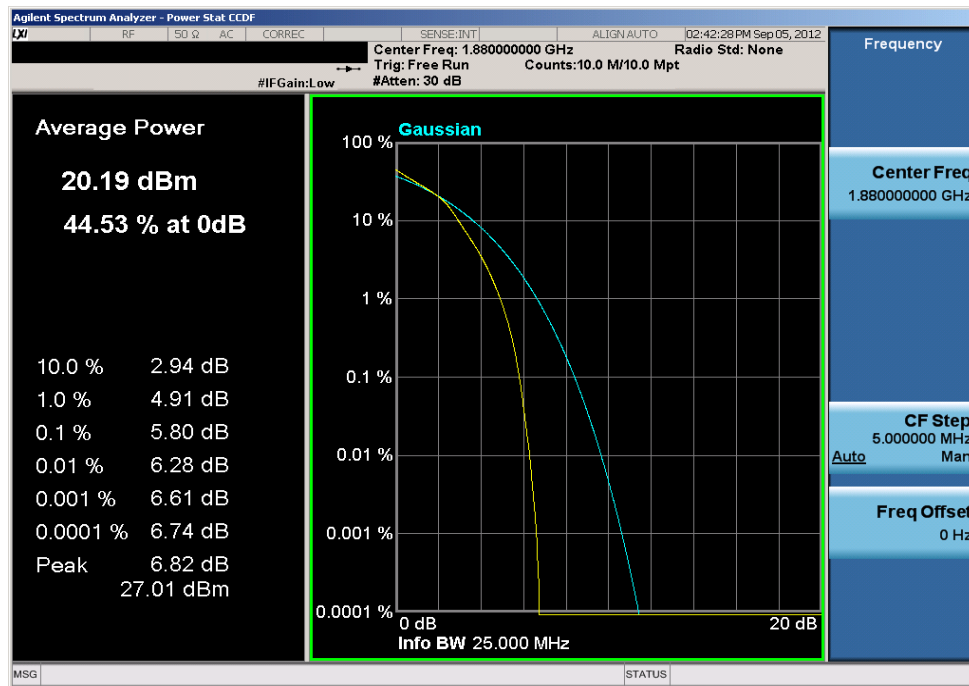


Plot 7-136. Occupied Bandwidth Plot (16-QAM – RB Size 75)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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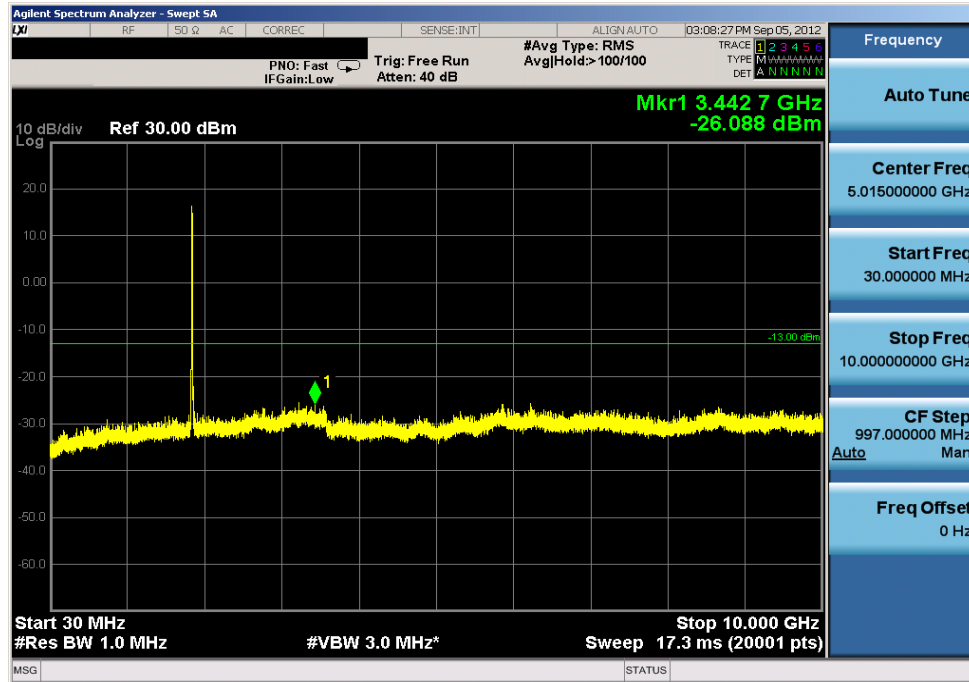


Plot 7-137. Peak to Average Ratio Plot (QPSK – RB Size 75)

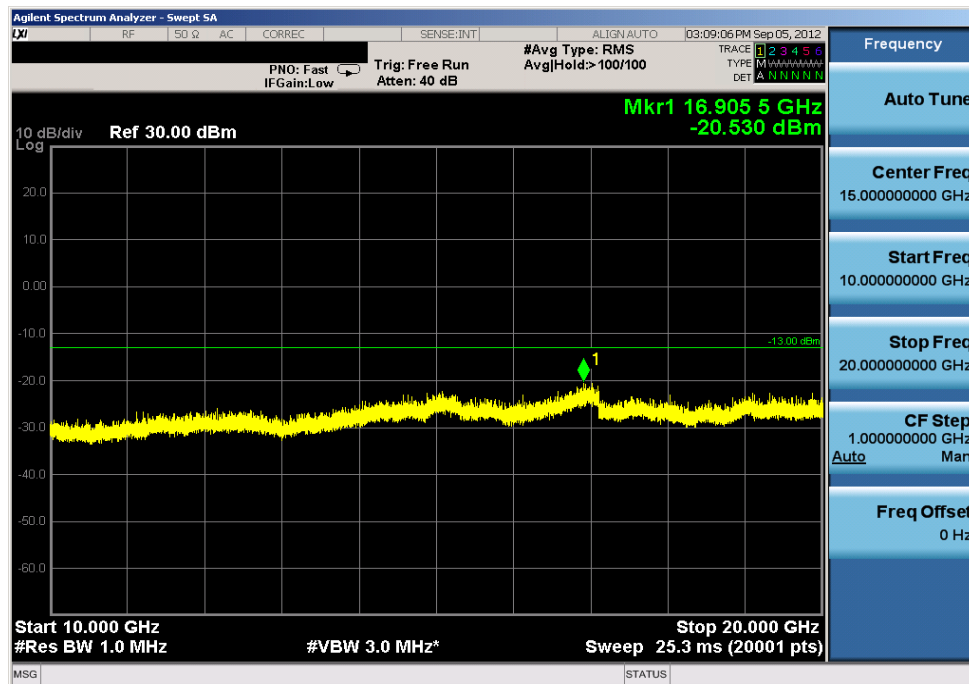


Plot 7-138. Peak to Average Ratio Plot (16QAM – RB Size 75)



FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 105 of 117

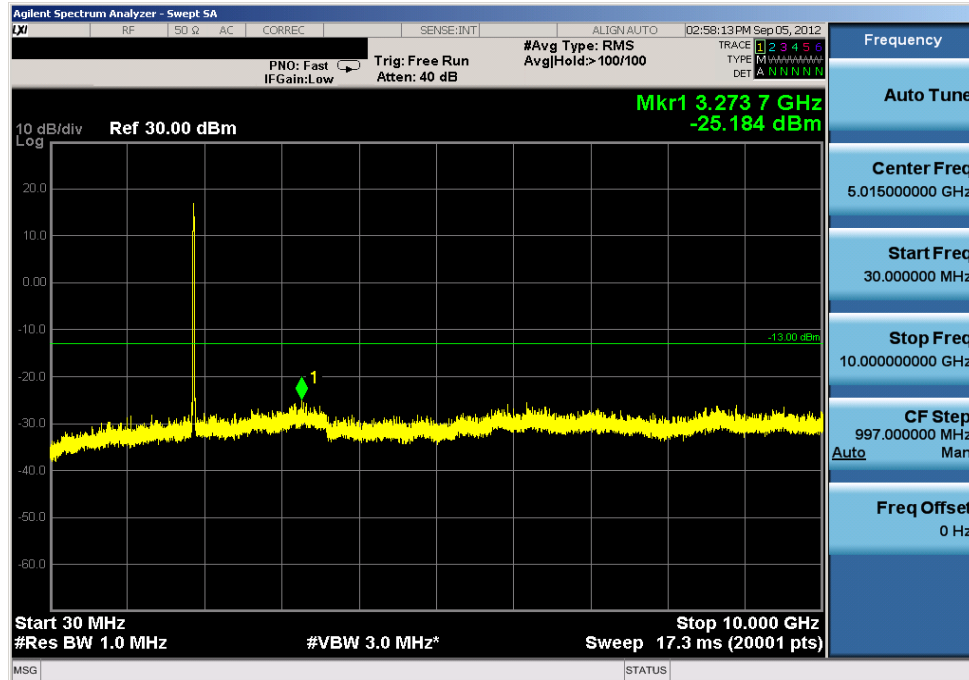


Plot 7-139. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

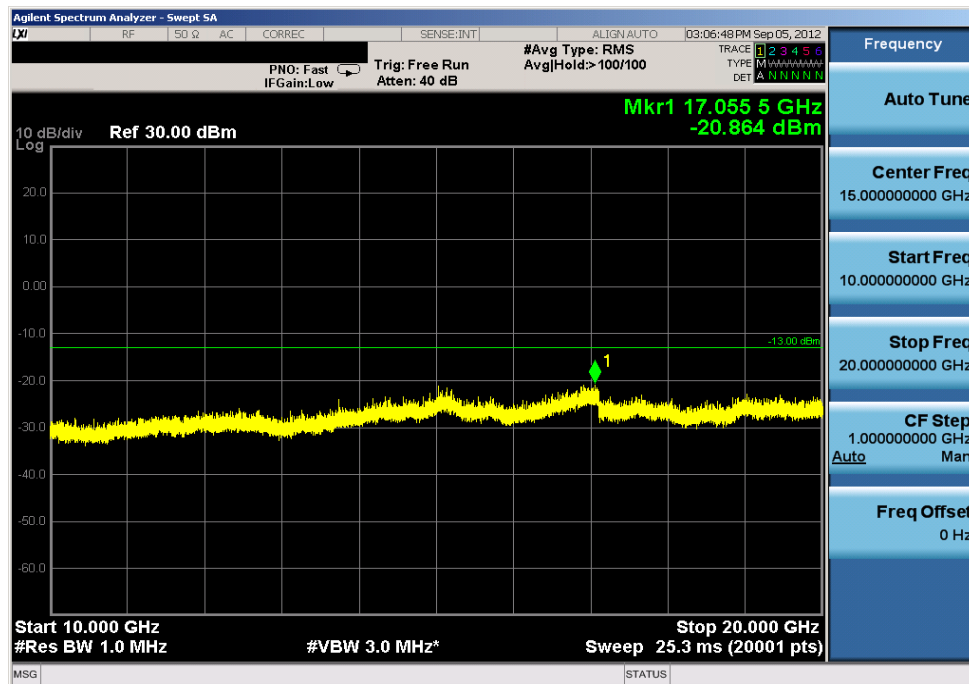


Plot 7-140. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 106 of 117

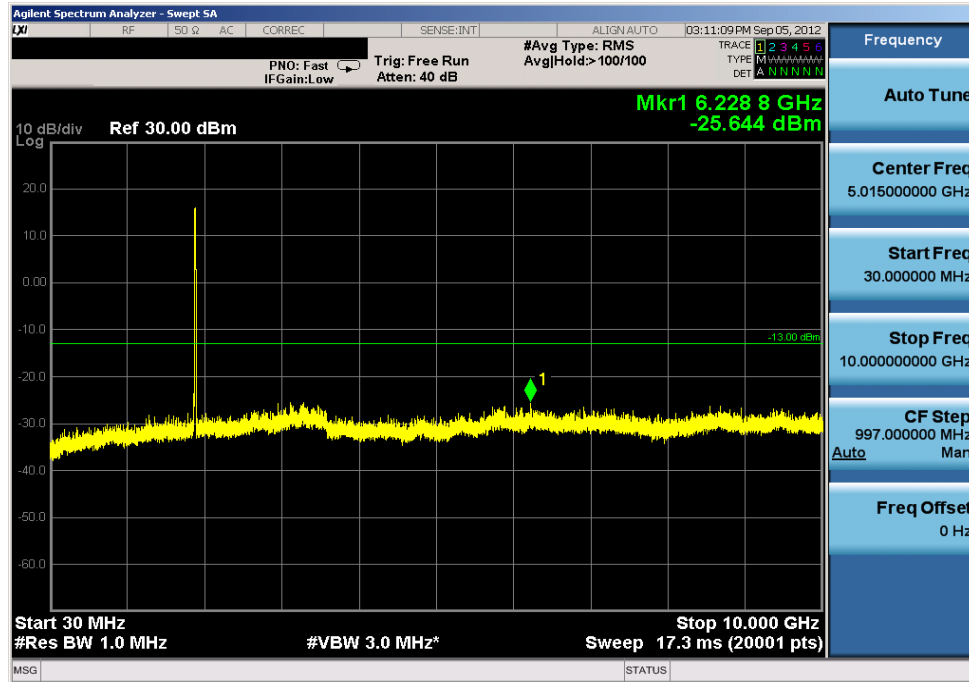


Plot 7-141. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

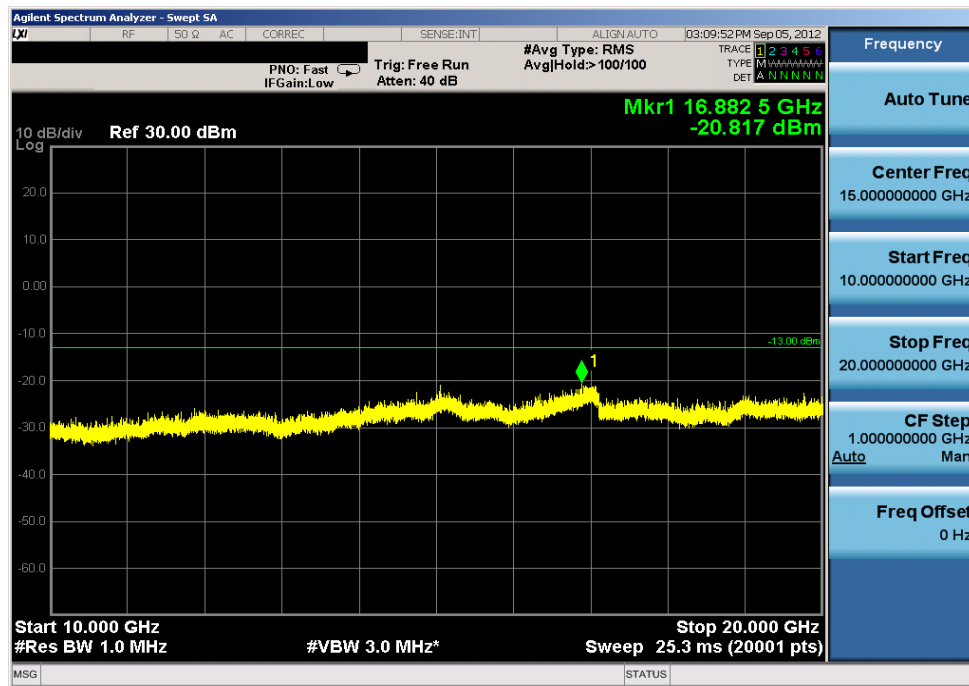


Plot 7-142. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 107 of 117

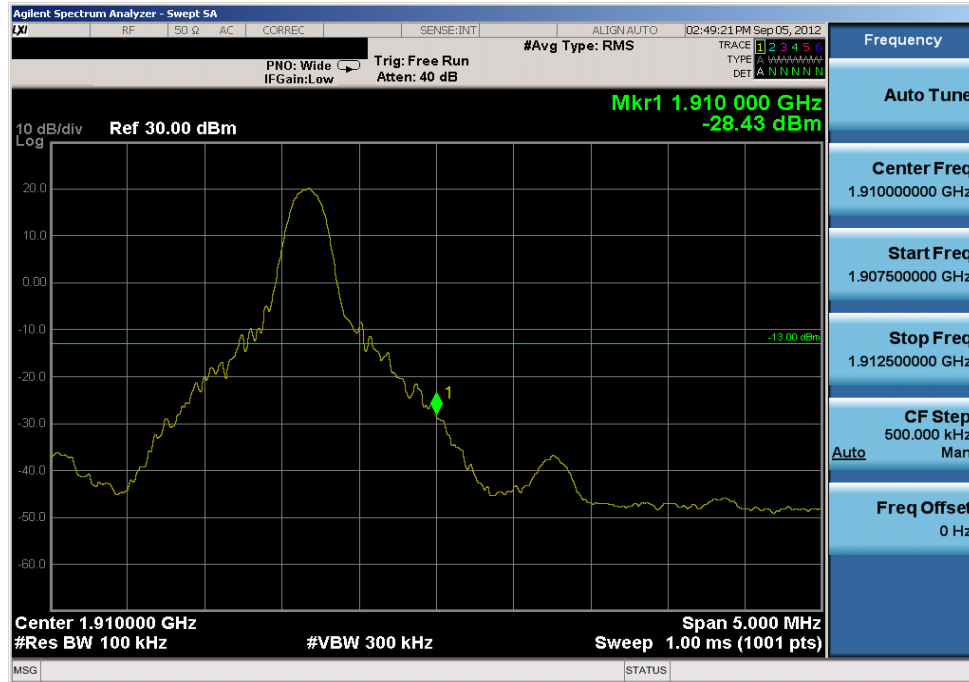


Plot 7-143. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

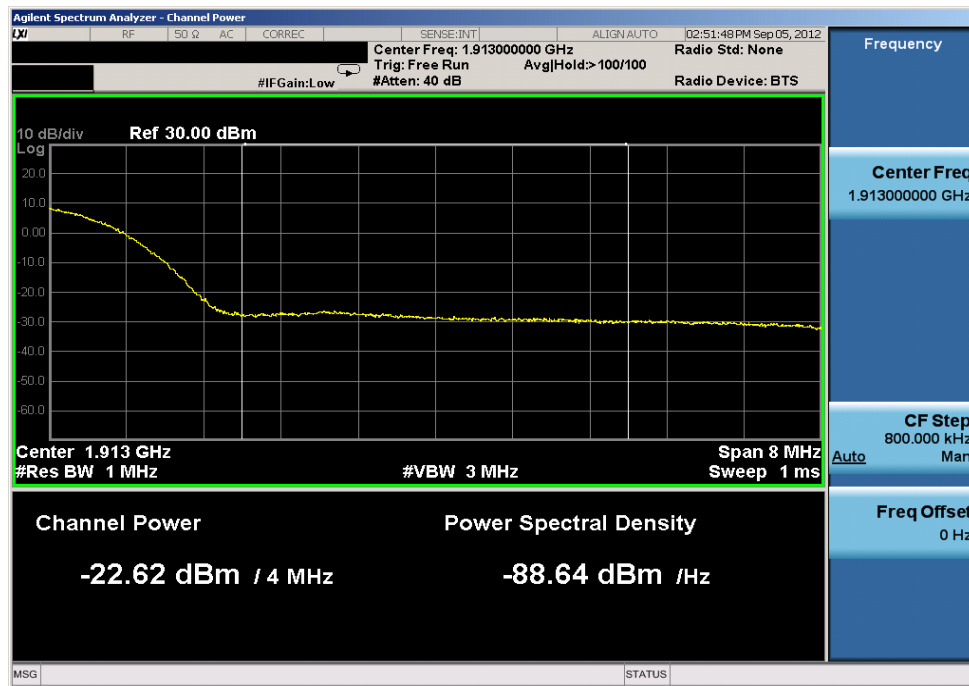


Plot 7-144. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 108 of 117



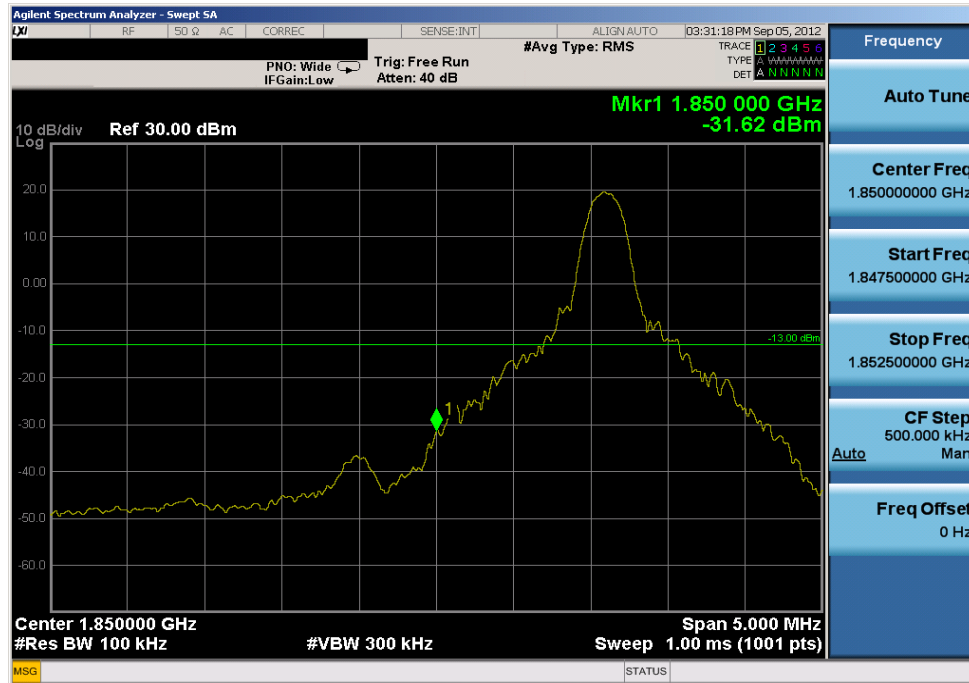
Plot 7-145. Upper Band Edge Plot (QPSK – RB Size 1, Offset 74)



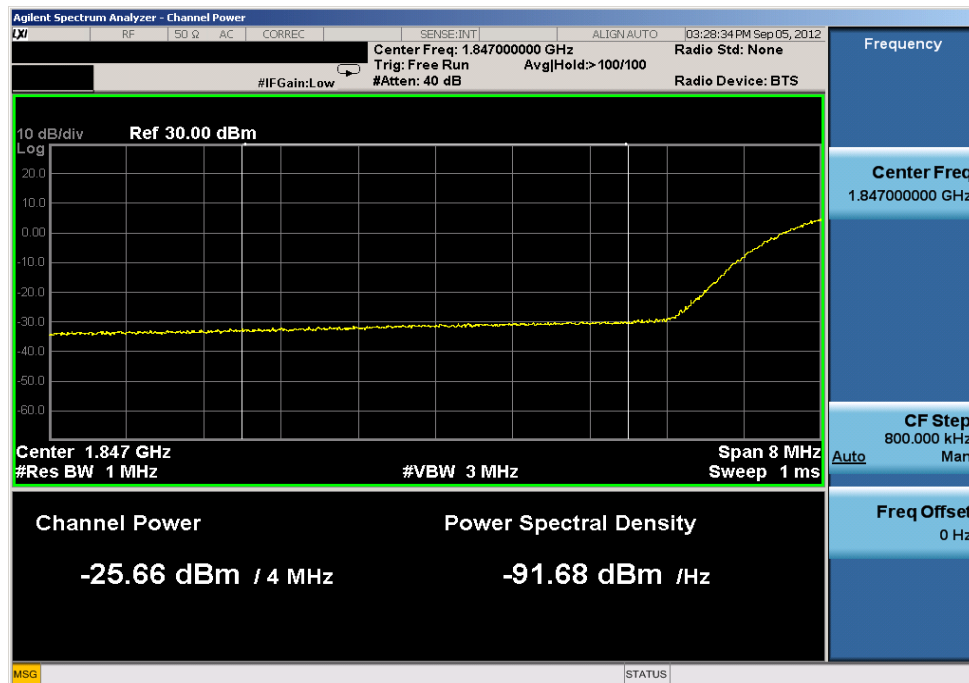
Plot 7-146. Upper Band Edge Plot (QPSK – RB Size 75)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 109 of 117

BAND 2 – 20 MHz BW

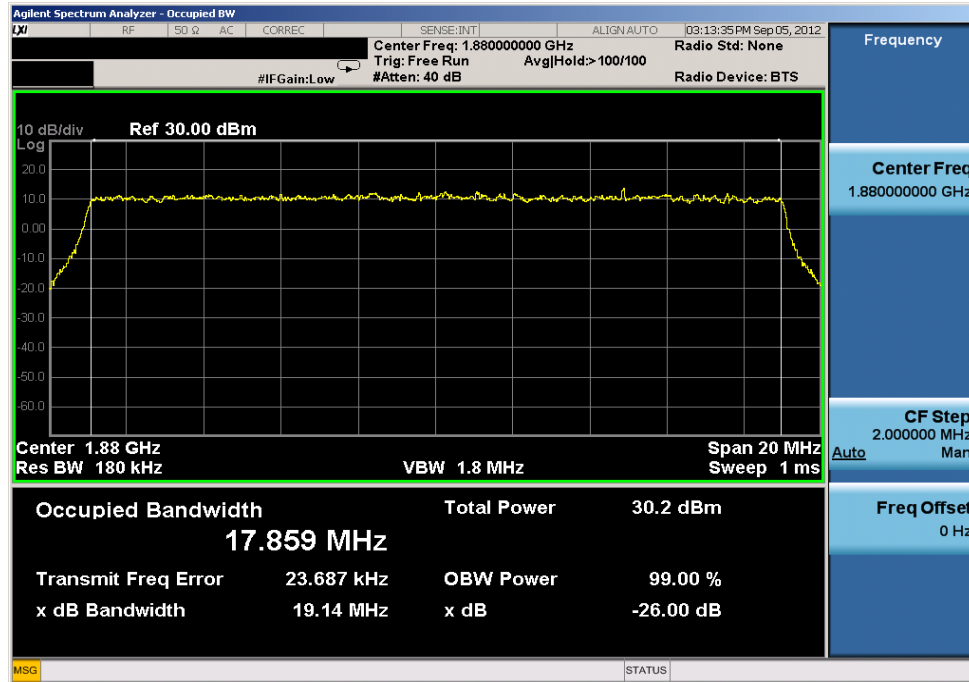


Plot 7-147. Lower Band Edge Plot (QPSK – RB Size 1, Offset 0)

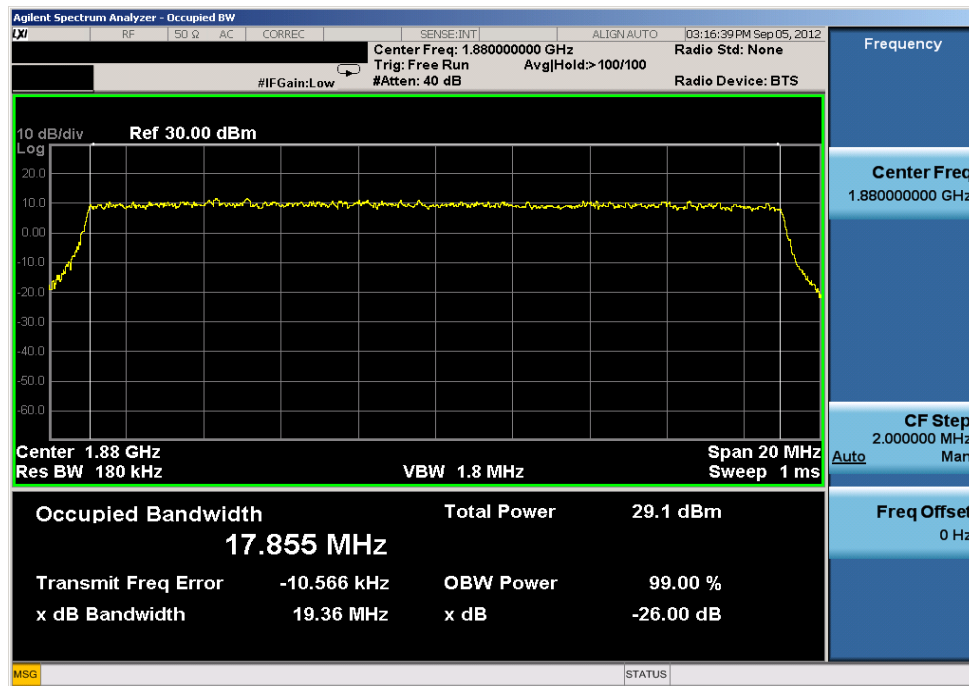


Plot 7-148. Lower Band Edge Plot (QPSK – RB Size 100)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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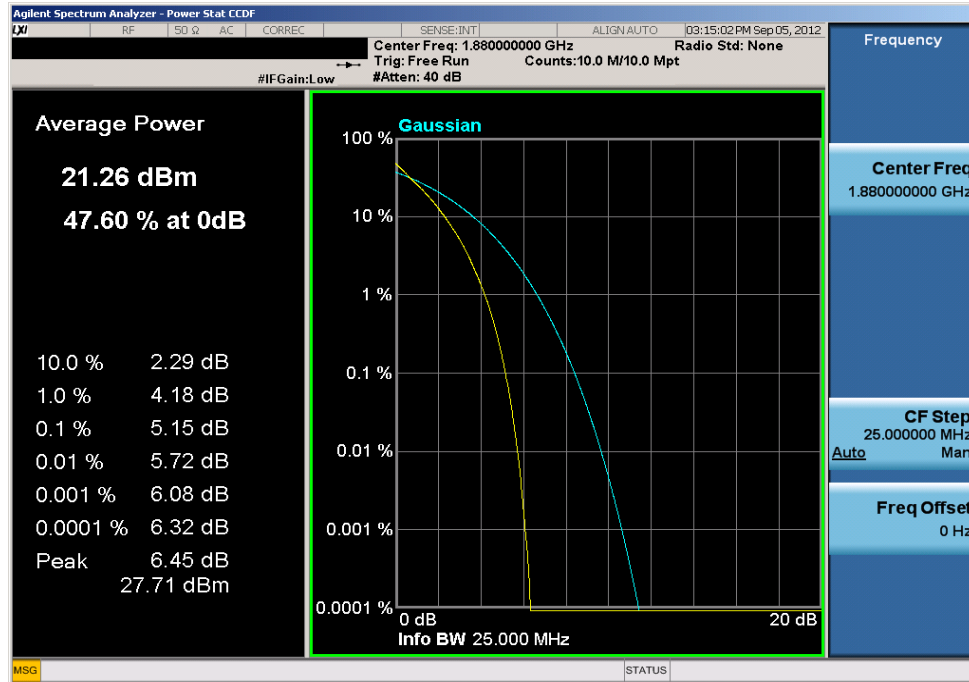


Plot 7-149. Occupied Bandwidth Plot (QPSK – RB Size 100)

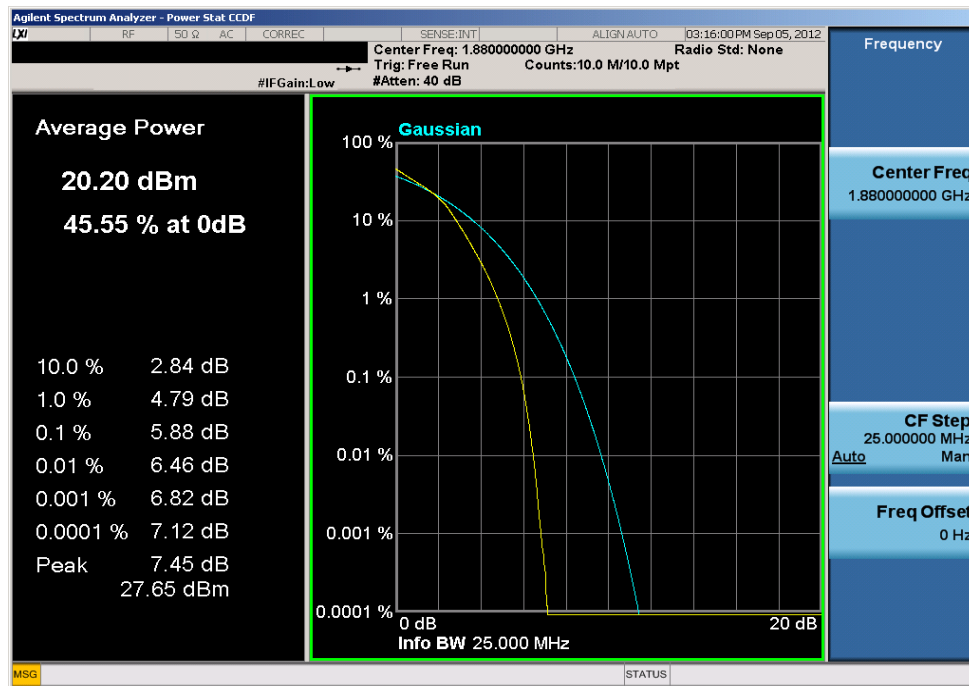


Plot 7-150. Occupied Bandwidth Plot (16-QAM – RB Size 100)

FCC ID: A3LSGHI317	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 111 of 117

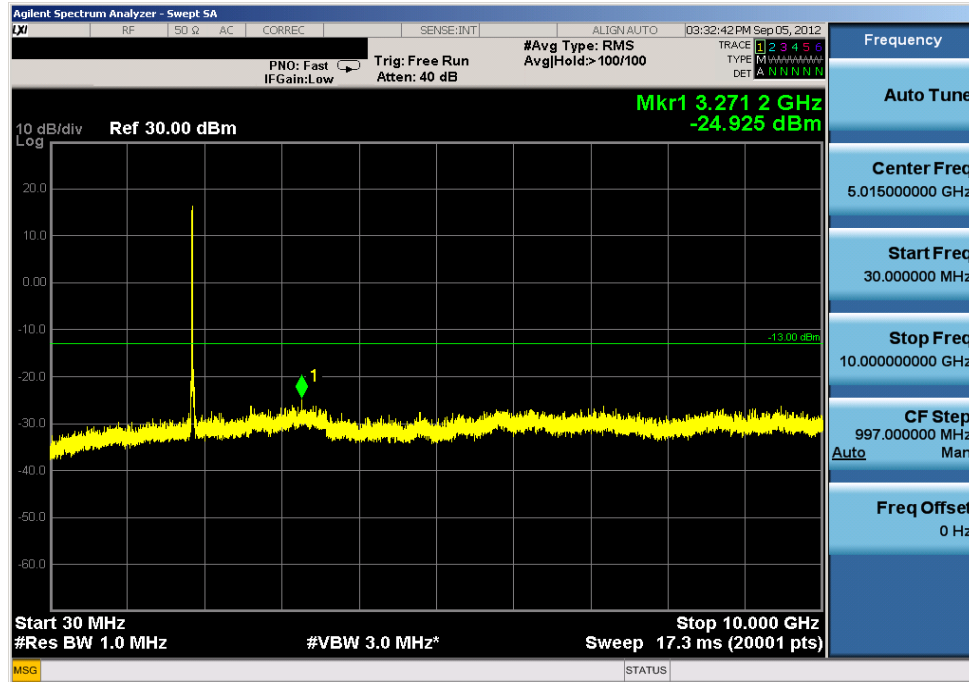


Plot 7-151. Peak to Average Ratio Plot (QPSK – RB Size 100)

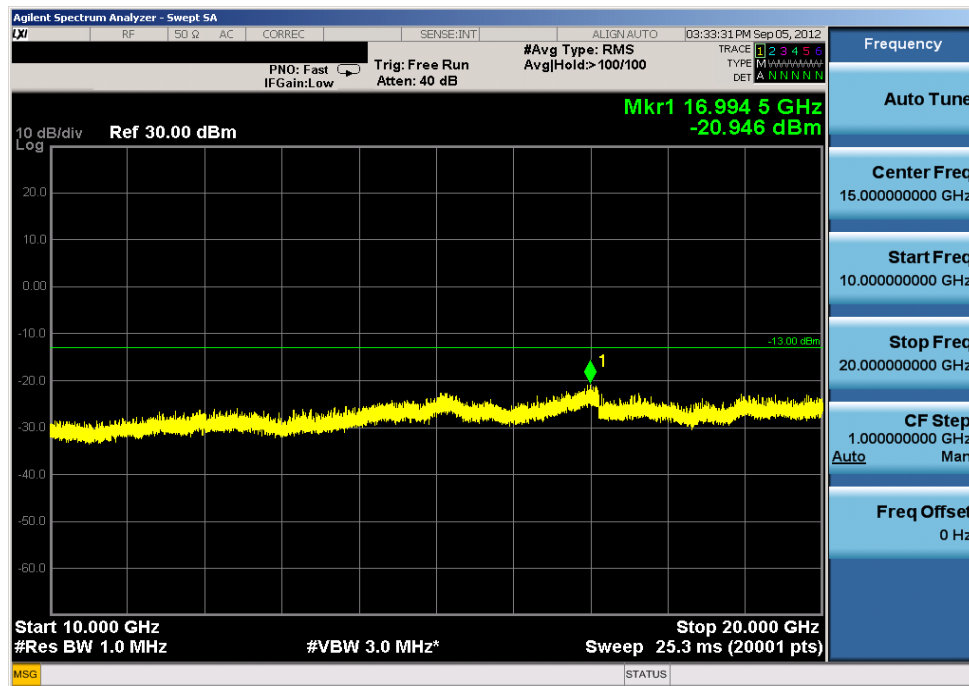


Plot 7-152. Peak to Average Ratio Plot (16QAM – RB Size 100)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 112 of 117

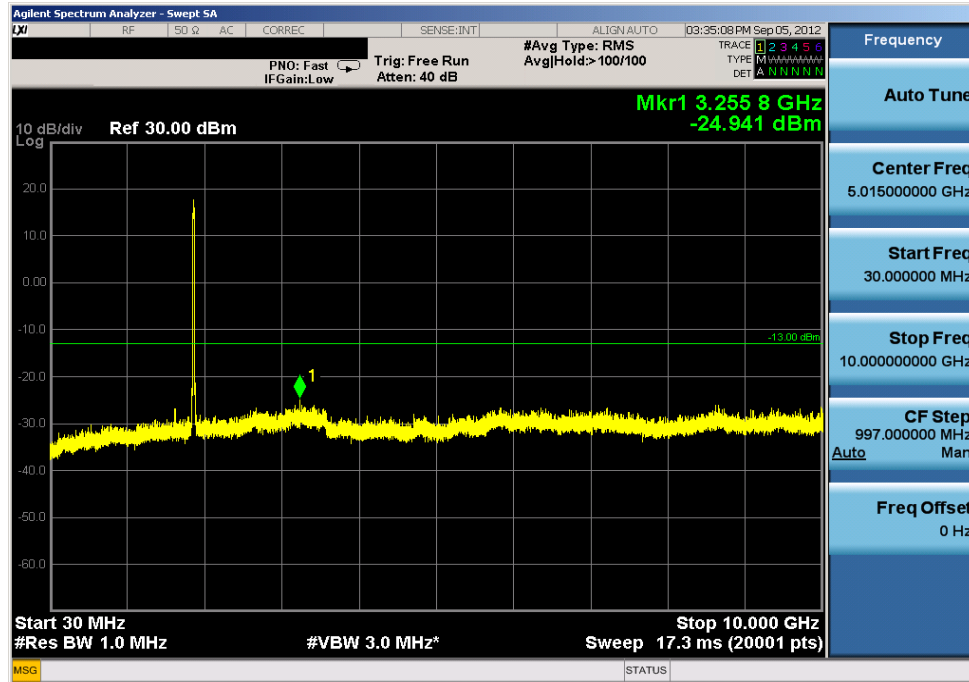


Plot 7-153. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)

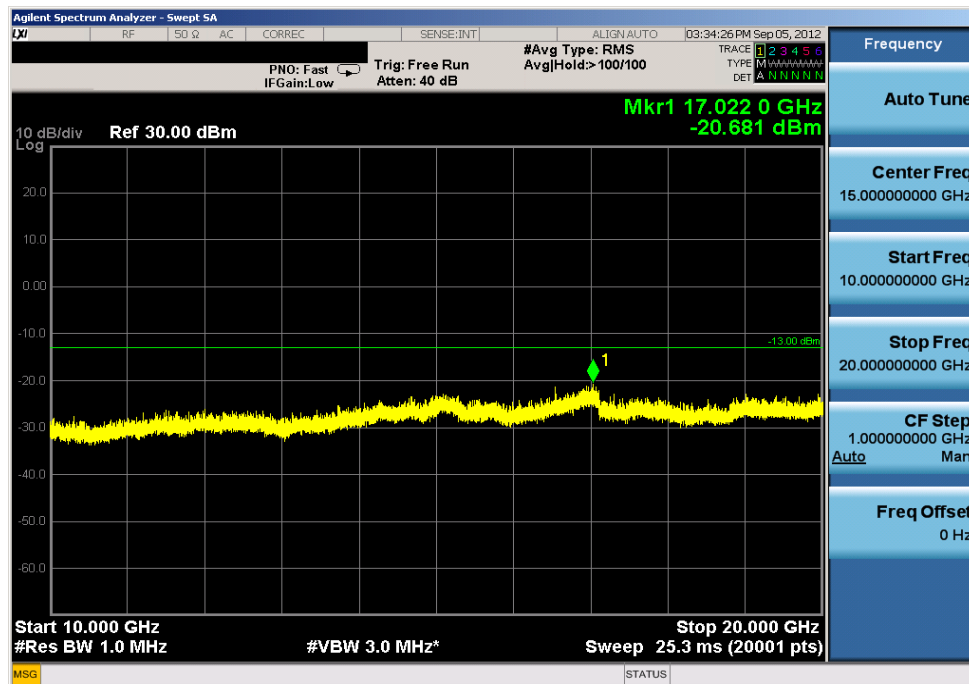


Plot 7-154. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Low Channel)



FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 113 of 117

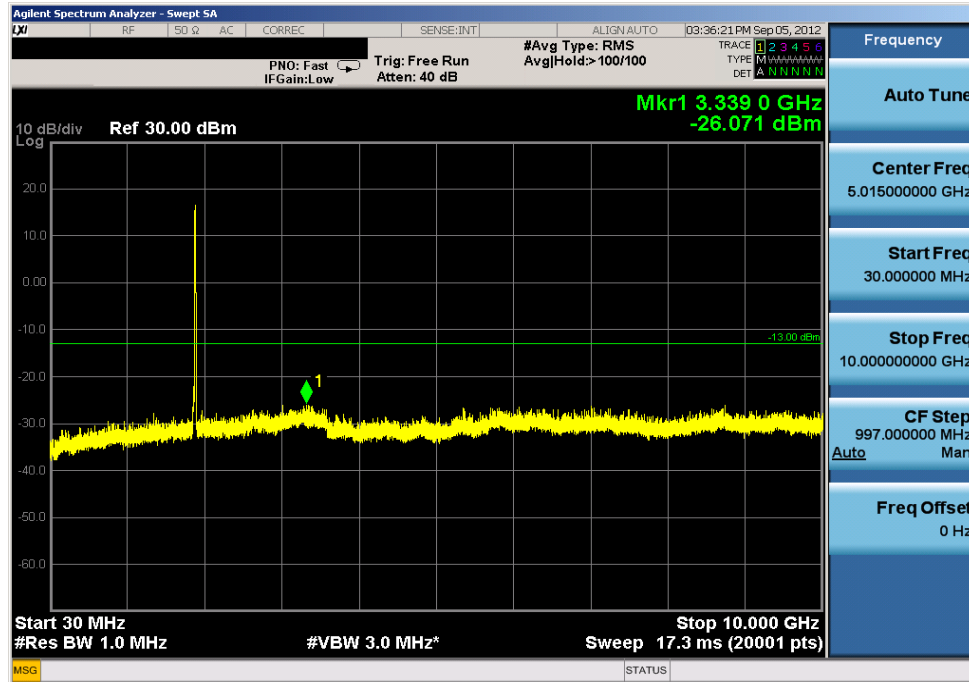


Plot 7-155. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

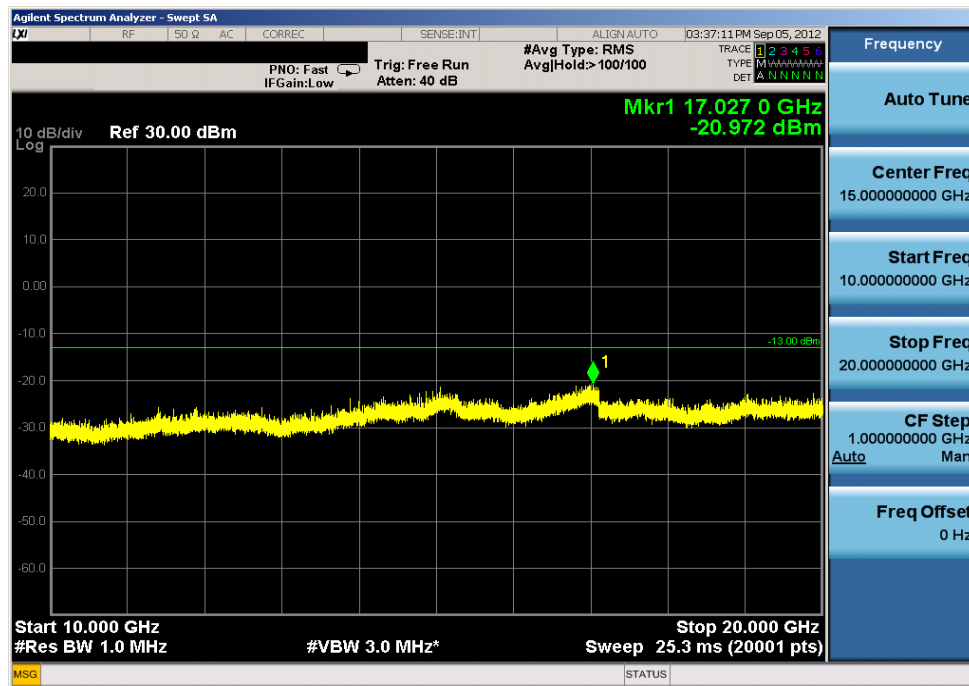


Plot 7-156. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – Mid Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 114 of 117

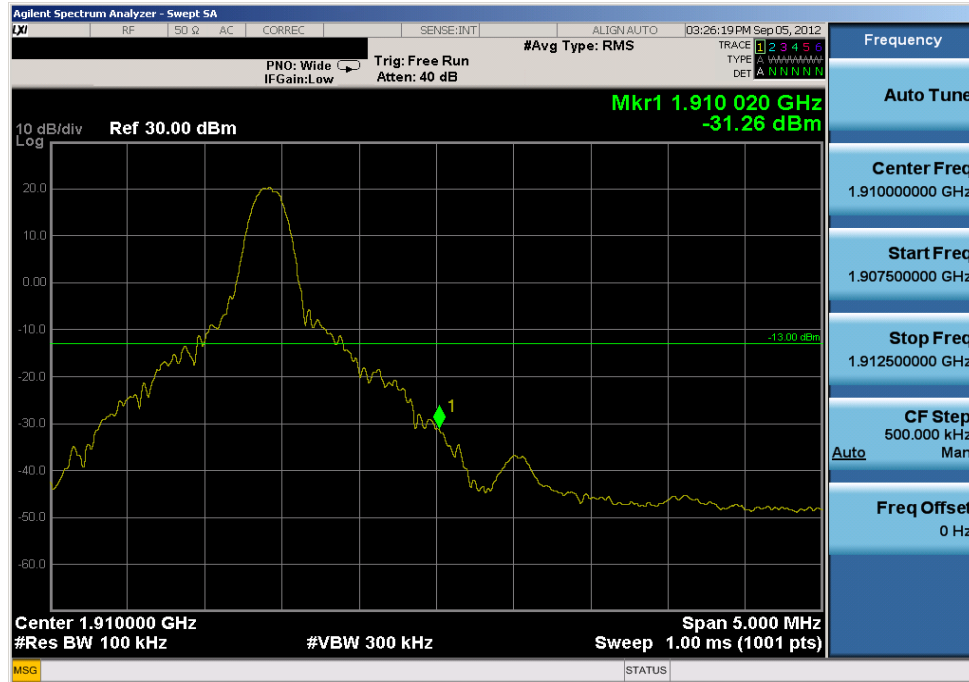


Plot 7-157. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

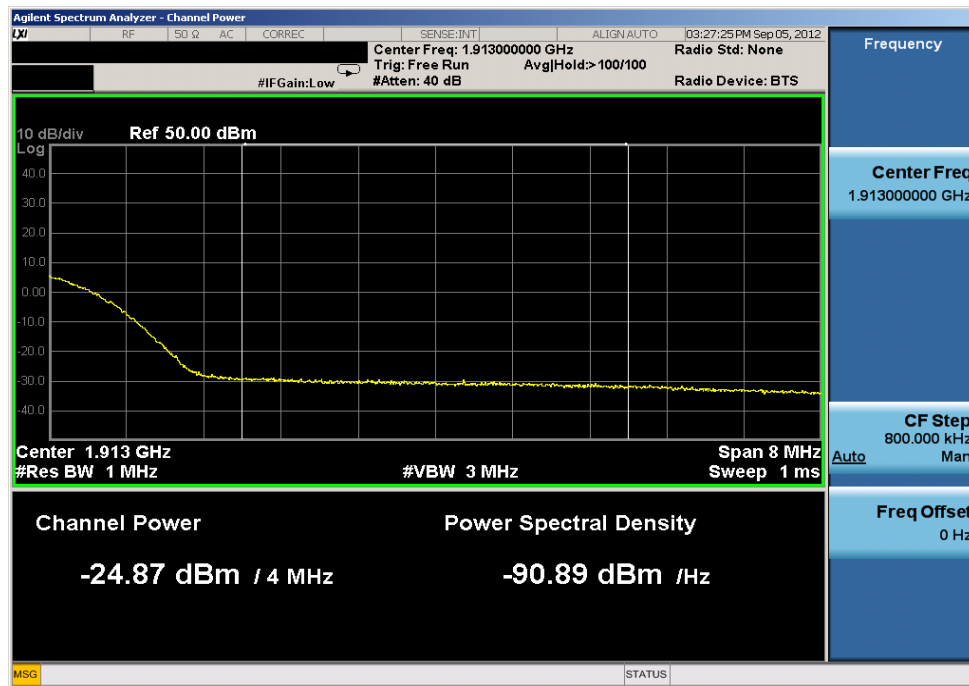


Plot 7-158. Conducted Spurious Plot (QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Plot 7-159. Upper Band Edge Plot (QPSK – RB Size 1, Offset 99)





Plot 7-160. Upper Band Edge Plot (QPSK – RB Size 100)

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSGHI317** complies with all the requirements of Parts 2, 22, 24 and 27 of the FCC rules for LTE operation only.

FCC ID: A3LSGHI317		FCC Pt. 22-24-27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1208291264.A3L	Test Dates: Aug. 20 - Sept. 7, 2012	EUT Type: Portable Handset		Page 117 of 117