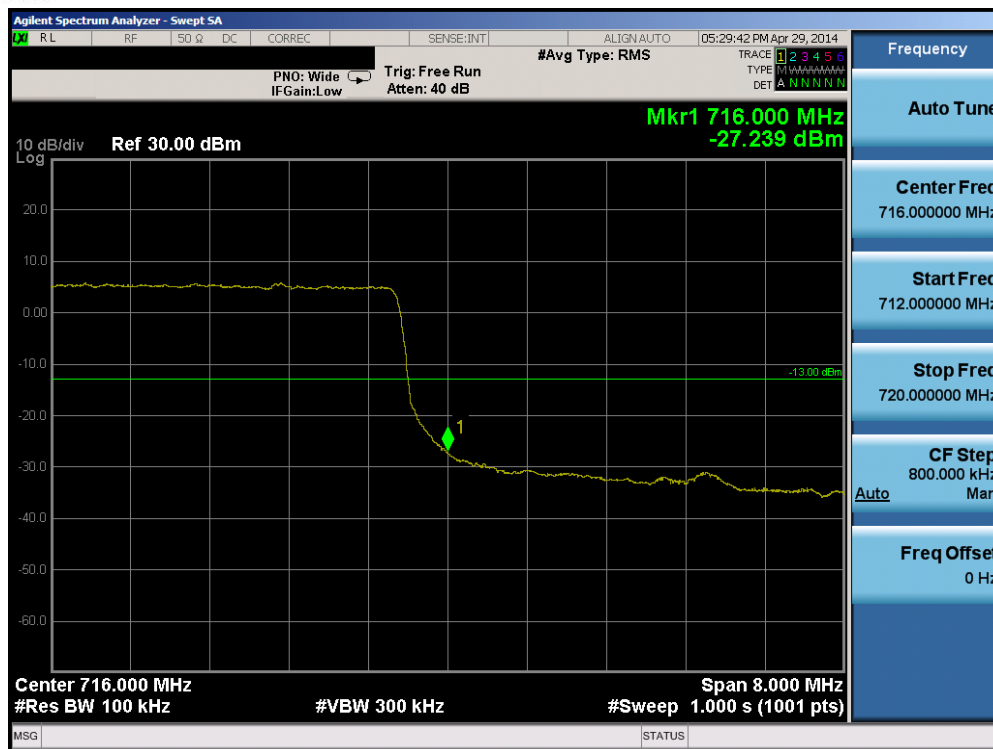
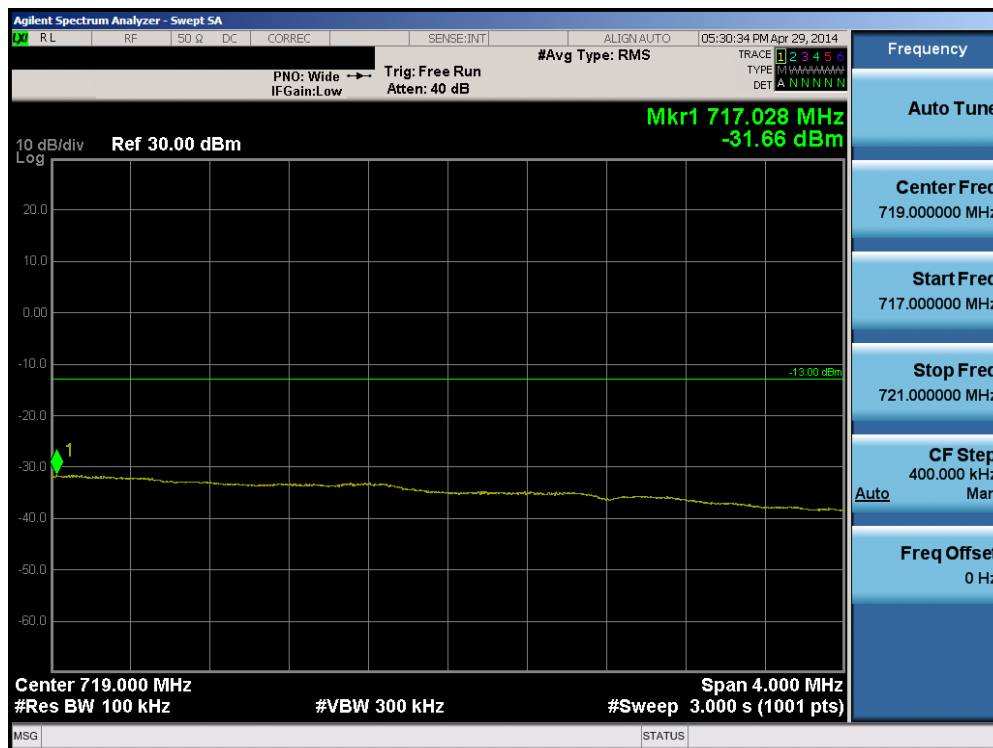


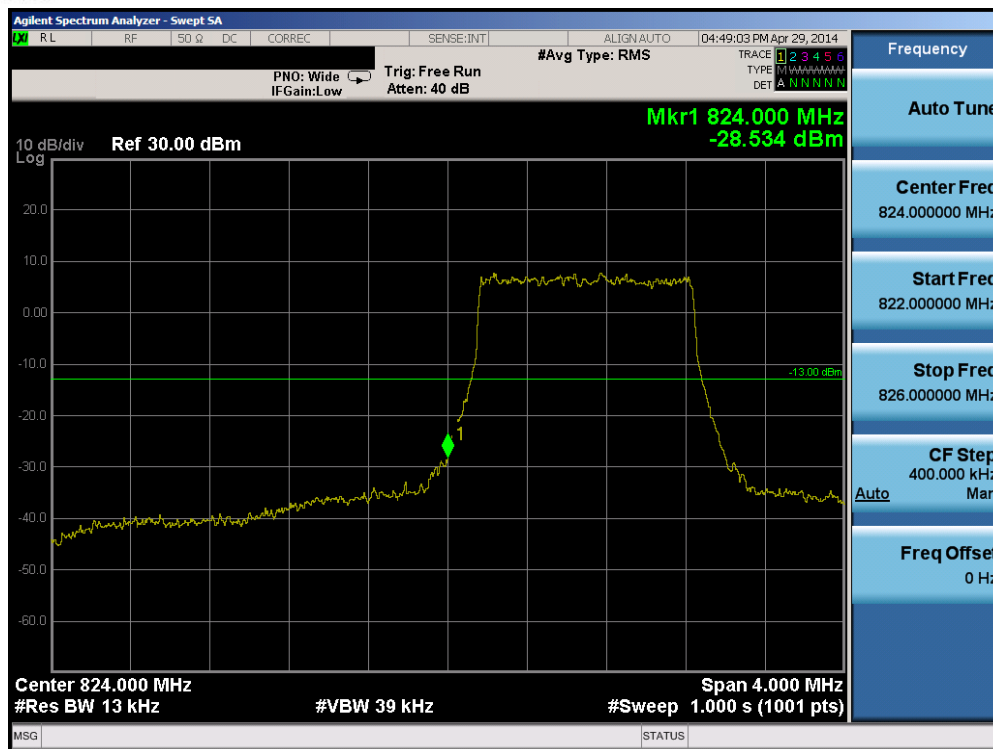


Plot 6-73. Upper Band Edge Plot (Band 17 – 10.0MHz QPSK – RB Size 50)



Plot 6-74. Upper Extended Band Edge Plot (Band 17 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 51 of 119

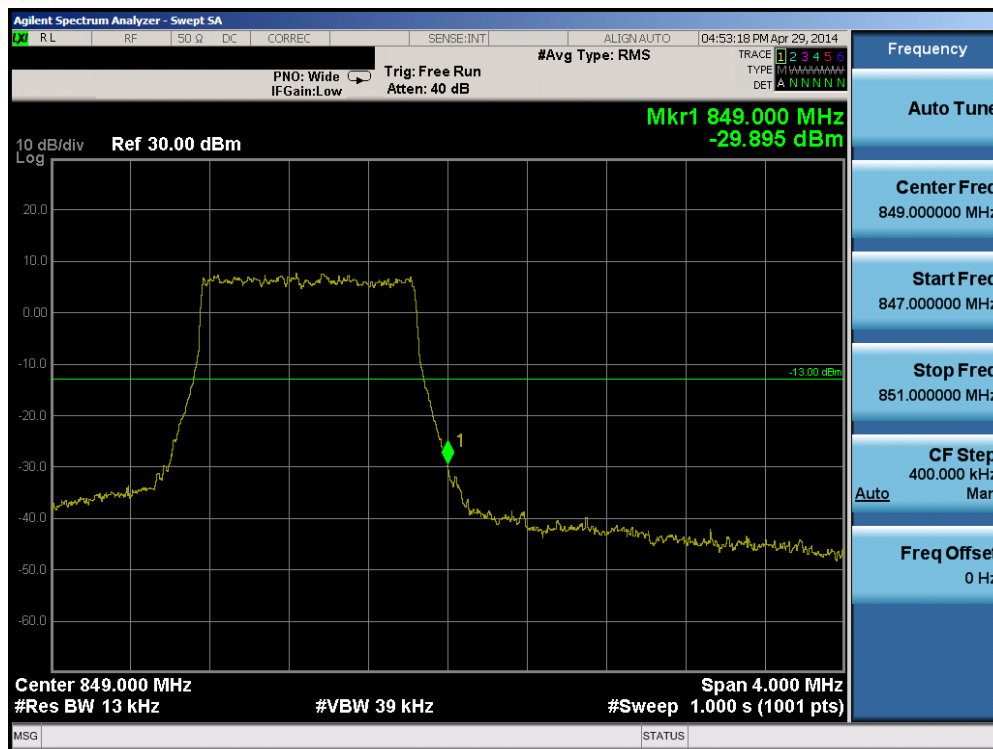


Plot 6-75. Lower Band Edge Plot (Band 5 – 1.4MHz QPSK – RB Size 6)

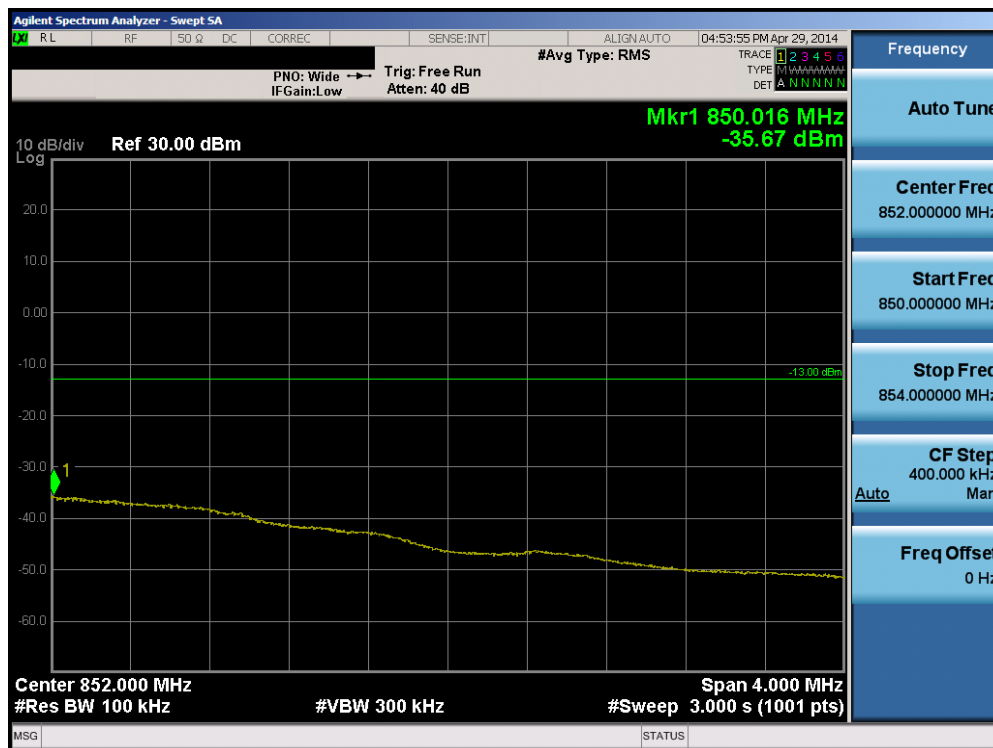


Plot 6-76. Lower Extended Band Edge Plot (Band 5 – 1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 52 of 119

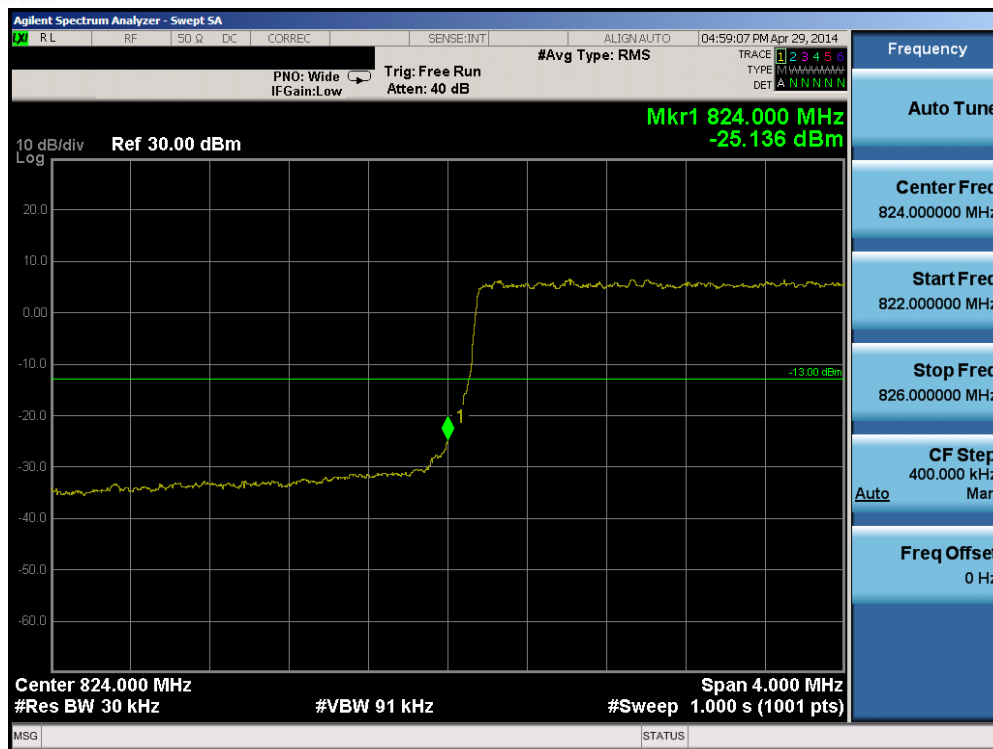


Plot 6-77. Upper Band Edge Plot (Band 5 - 1.4MHz QPSK - RB Size 6)

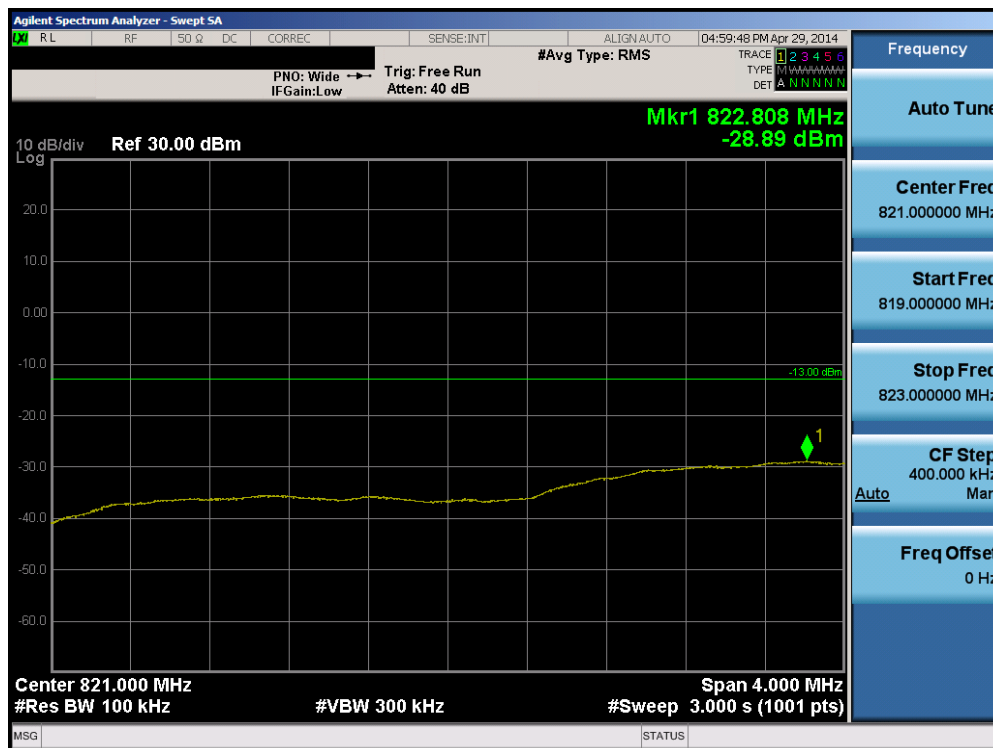


Plot 6-78. Upper Extended Band Edge Plot (Band 5 - 1.4MHz QPSK - RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 53 of 119

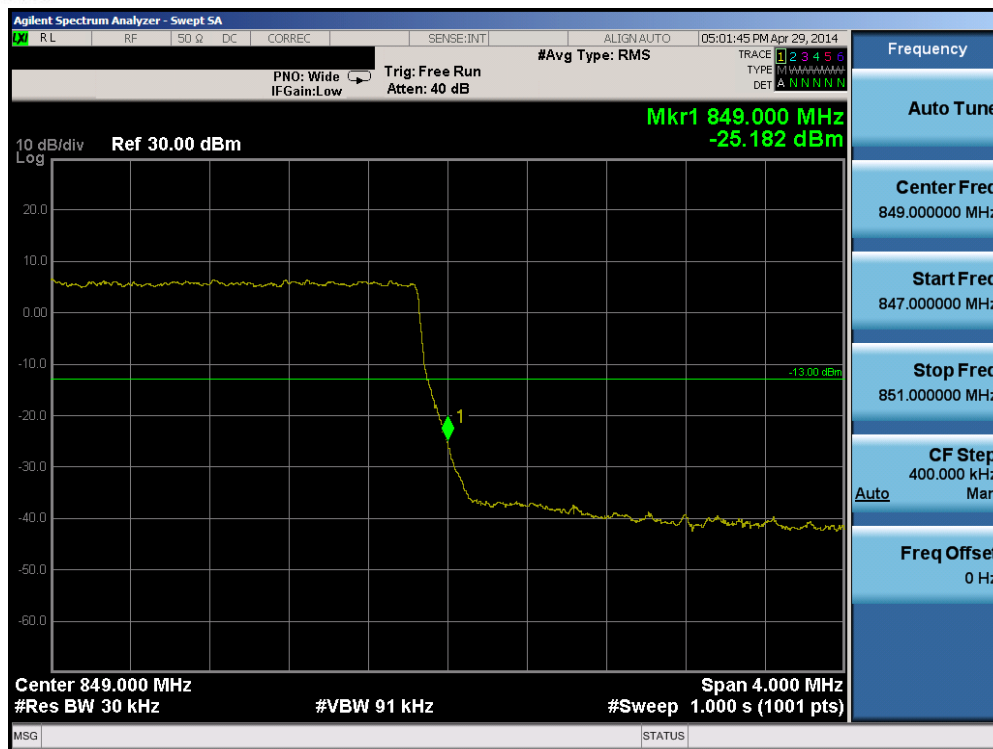


Plot 6-79. Lower Band Edge Plot (Band 5 – 3.0MHz QPSK – RB Size 15)



Plot 6-80. Lower Extended Band Edge Plot (Band 5 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 54 of 119

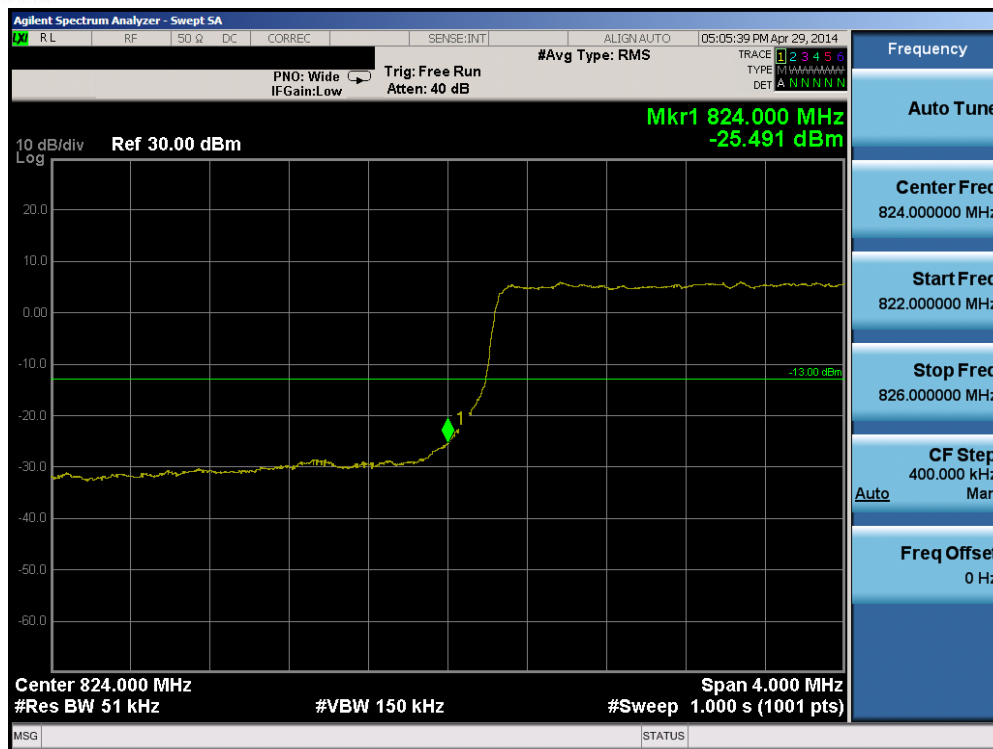


Plot 6-81. Upper Band Edge Plot (Band 5 – 3.0MHz QPSK – RB Size 15)

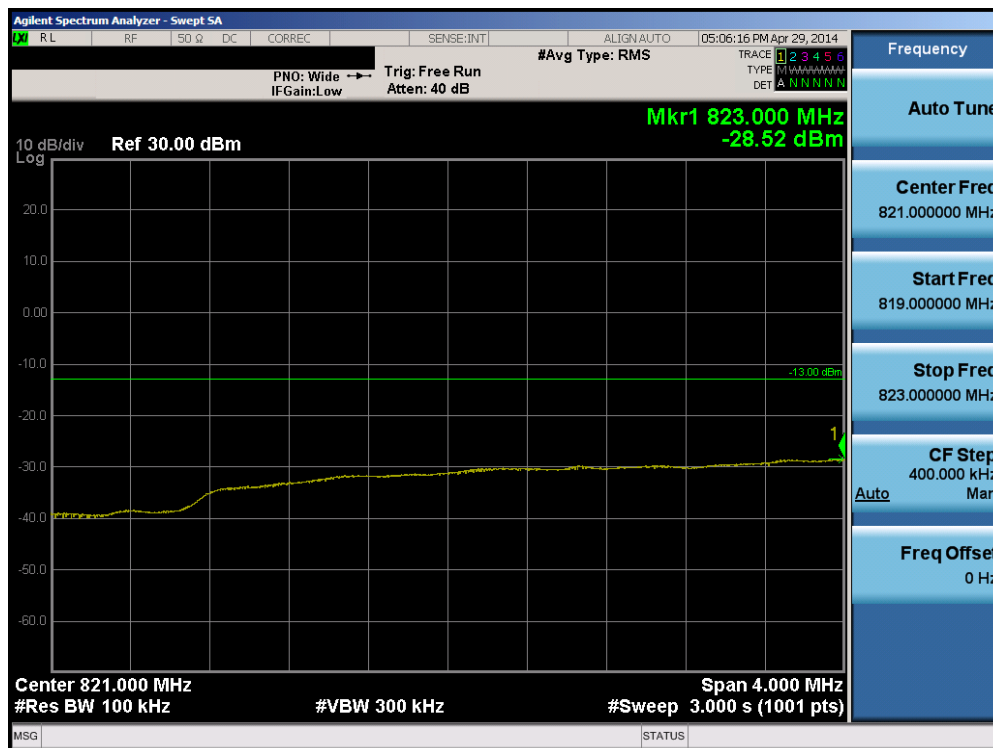


Plot 6-82. Upper Extended Band Edge Plot (Band 5 – Band 5 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 55 of 119

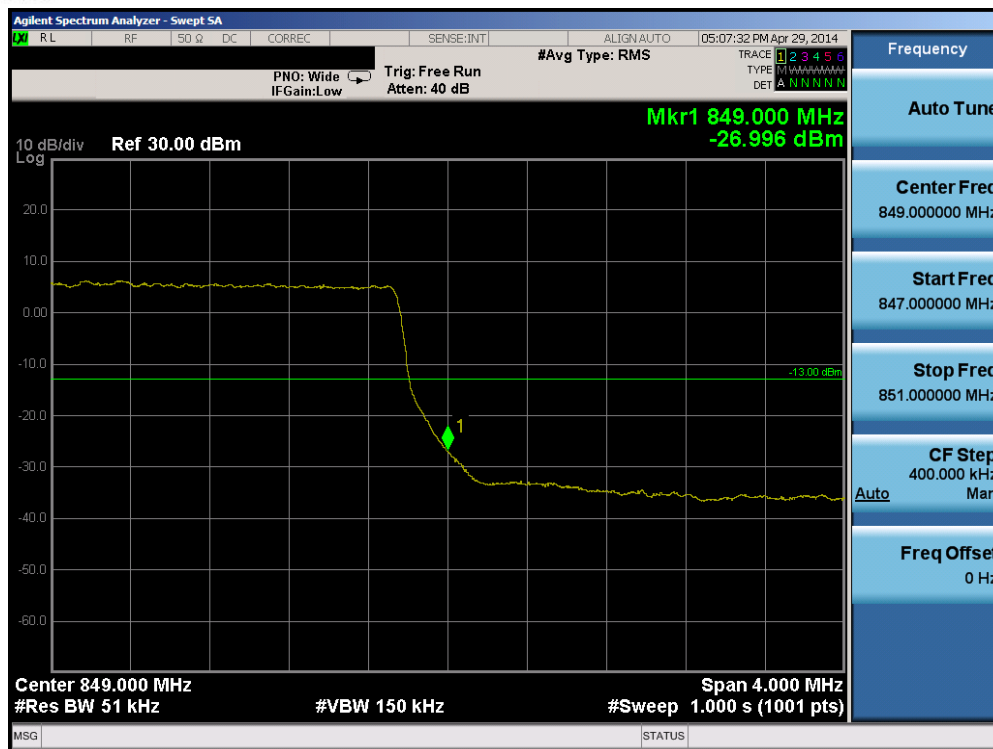


Plot 6-83. Lower Band Edge Plot (Band 5 – 5.0MHz QPSK – RB Size 25)

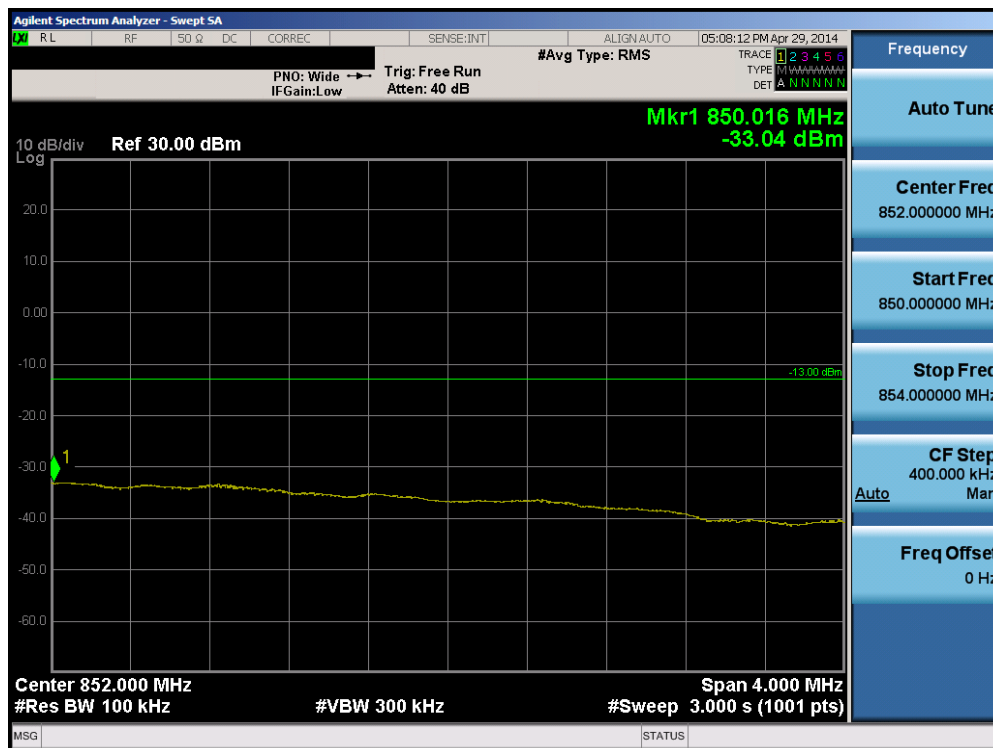


Plot 6-84. Lower Extended Band Edge Plot (Band 5 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 56 of 119

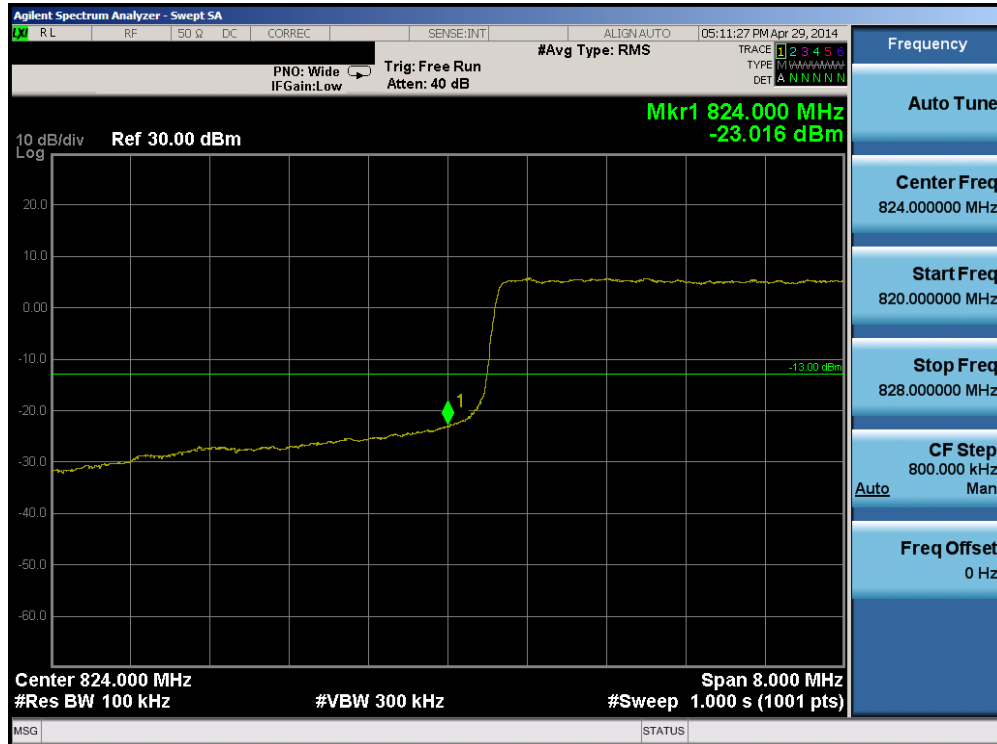


Plot 6-85. Upper Band Edge Plot (Band 5 – 5.0MHz QPSK – RB Size 25)

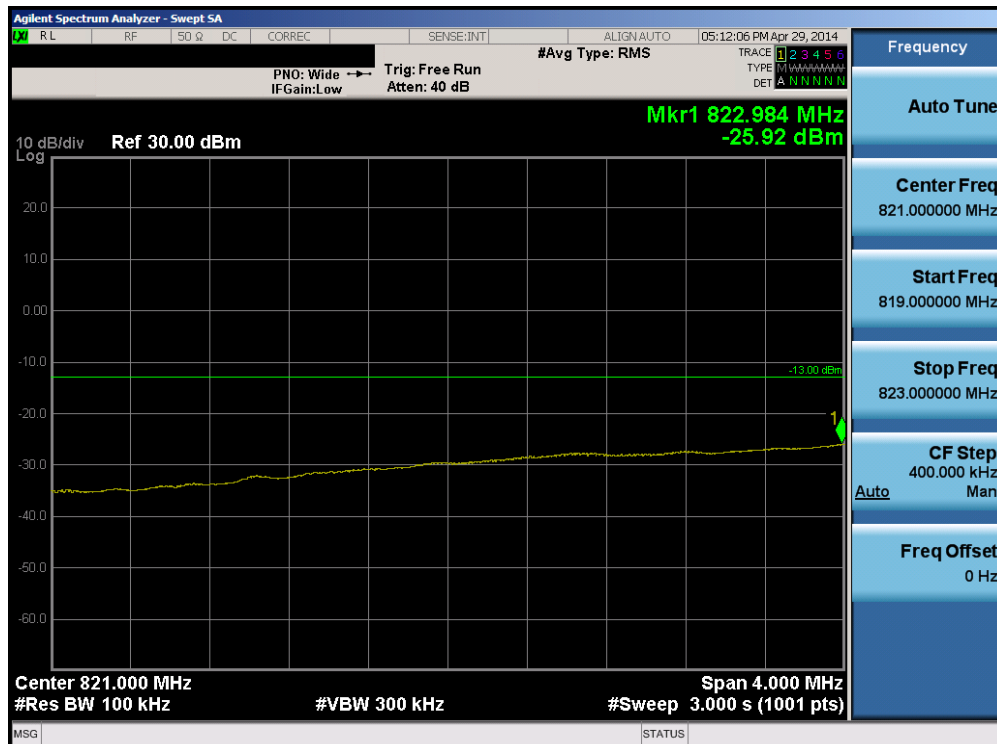


Plot 6-86. Upper Extended Band Edge Plot (Band 5 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 57 of 119

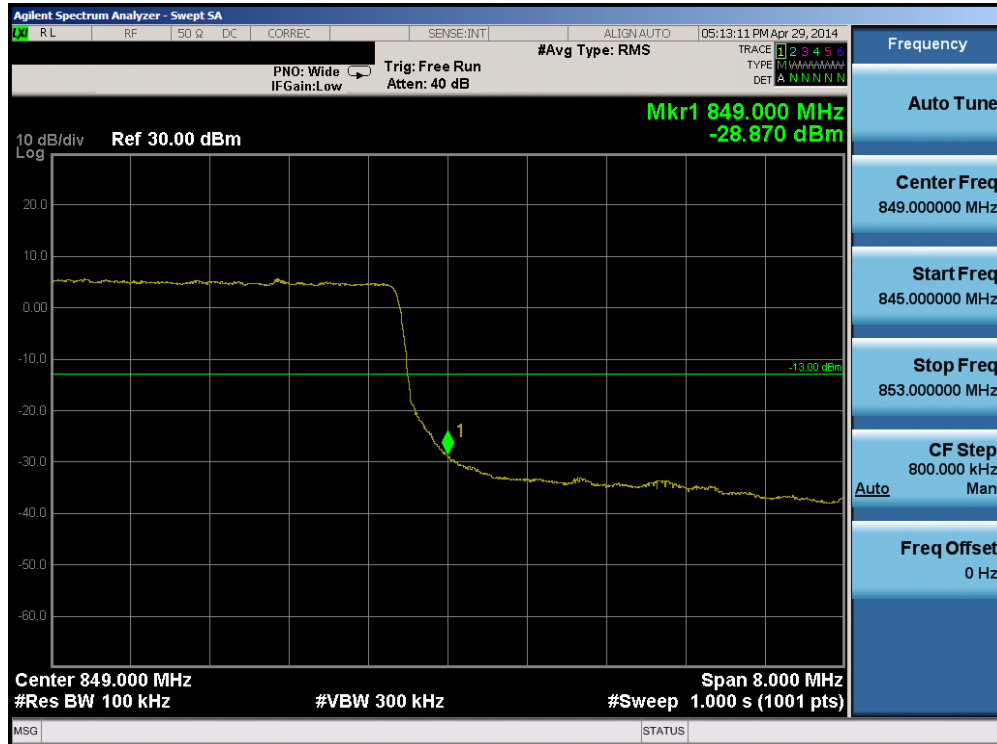


Plot 6-87. Lower Band Edge Plot (Band 5 – 10.0MHz QPSK – RB Size 50)

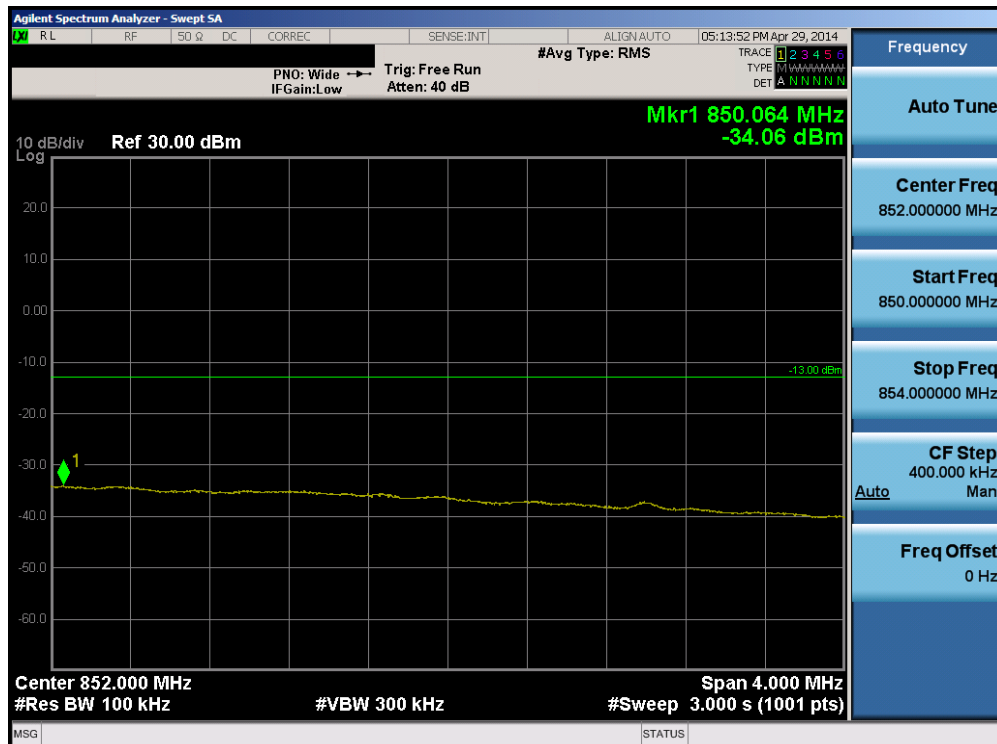


Plot 6-88. Lower Extended Band Edge Plot (Band 5 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 58 of 119

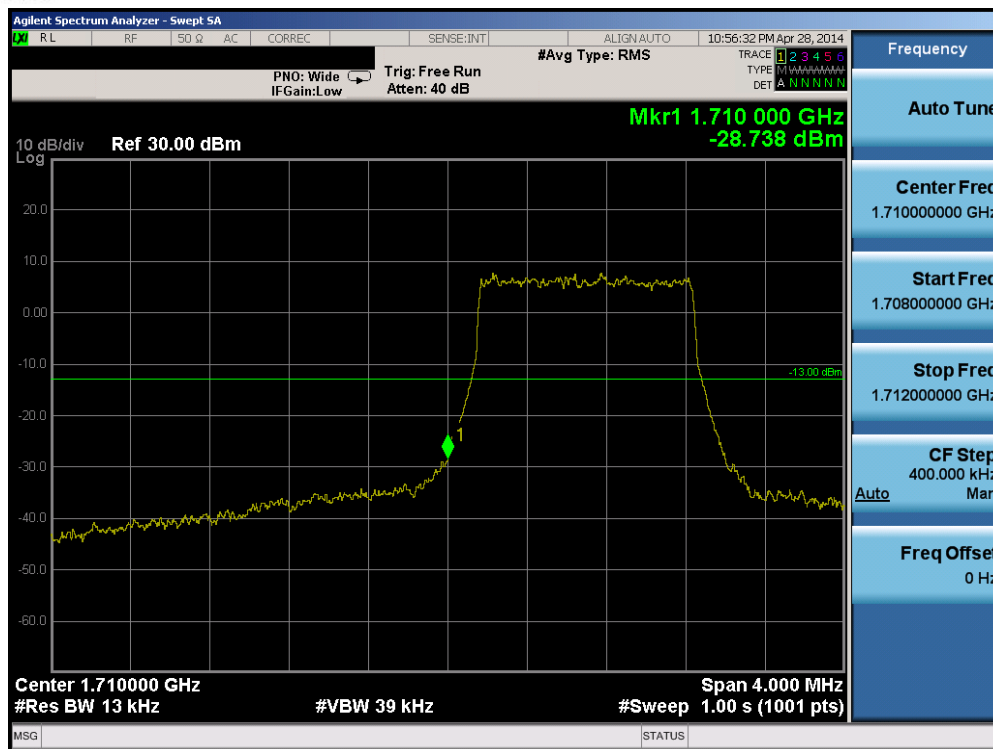


Plot 6-89. Upper Band Edge Plot (Band 5 – 10.0MHz QPSK – RB Size 50)

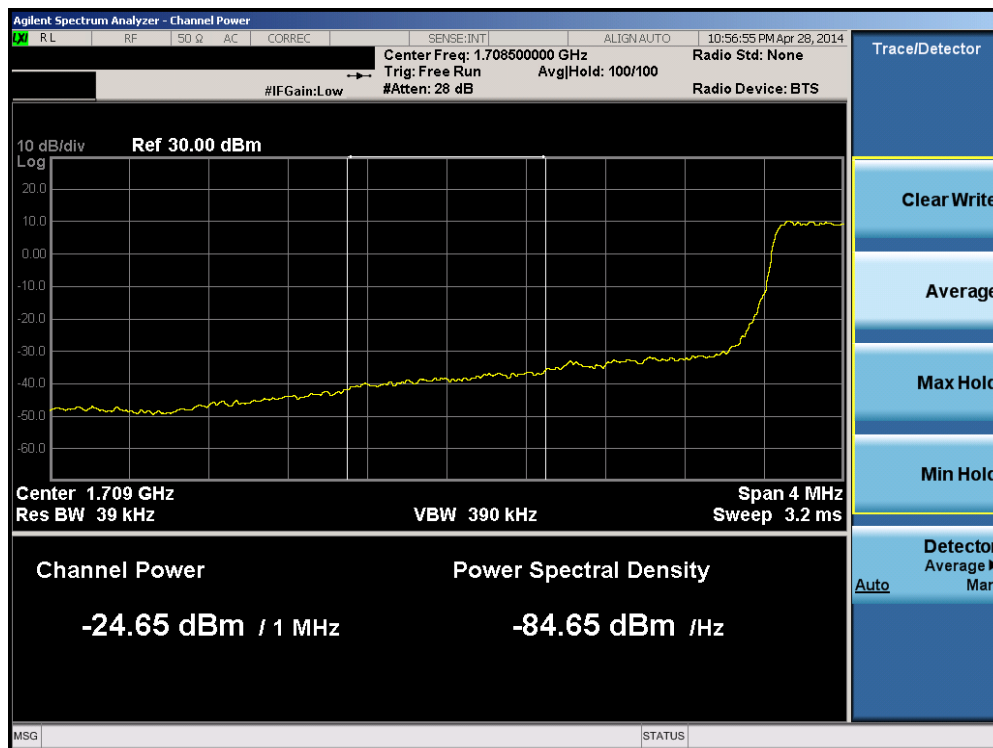


Plot 6-90. Upper Extended Band Edge Plot (Band 5 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 59 of 119

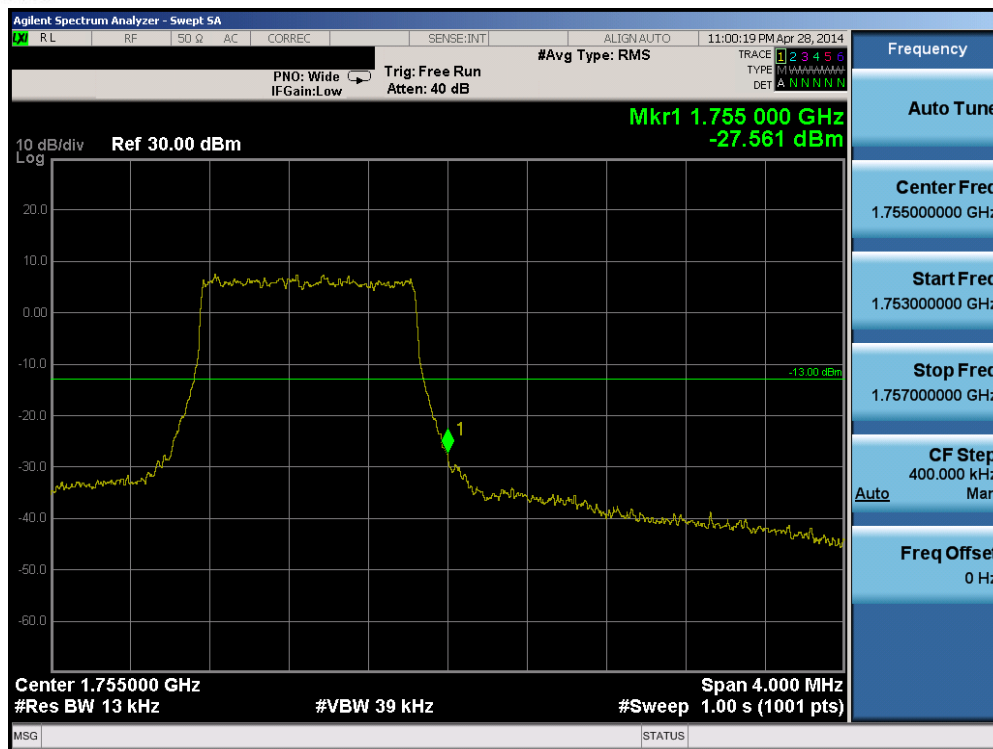


Plot 6-91. Lower Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

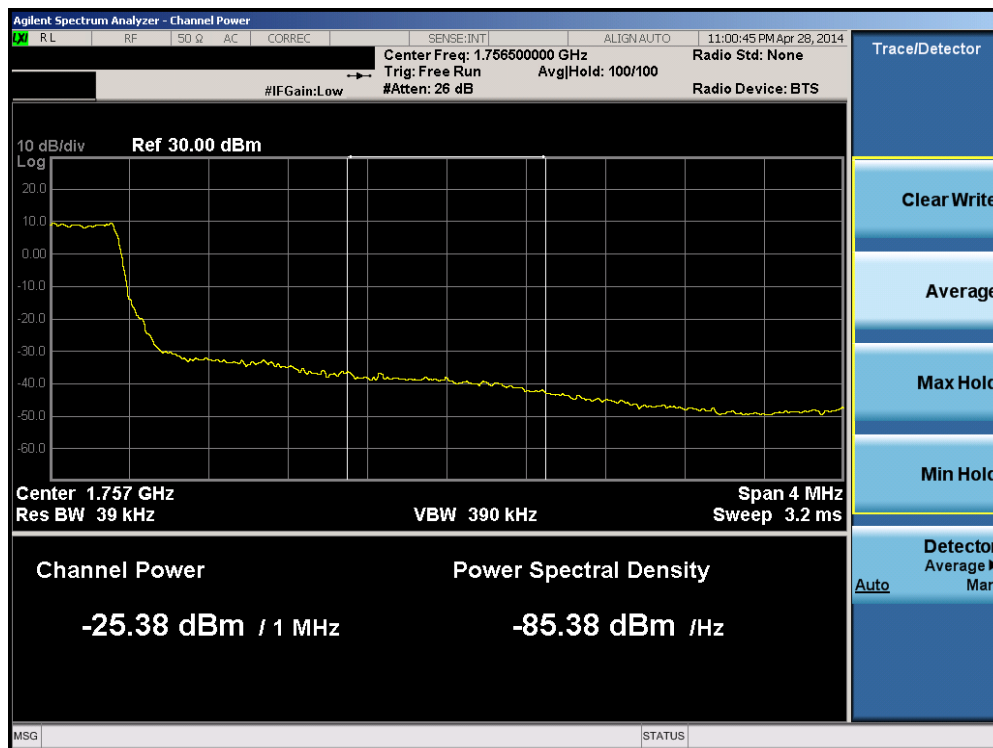


Plot 6-92. Lower Extended Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 60 of 119

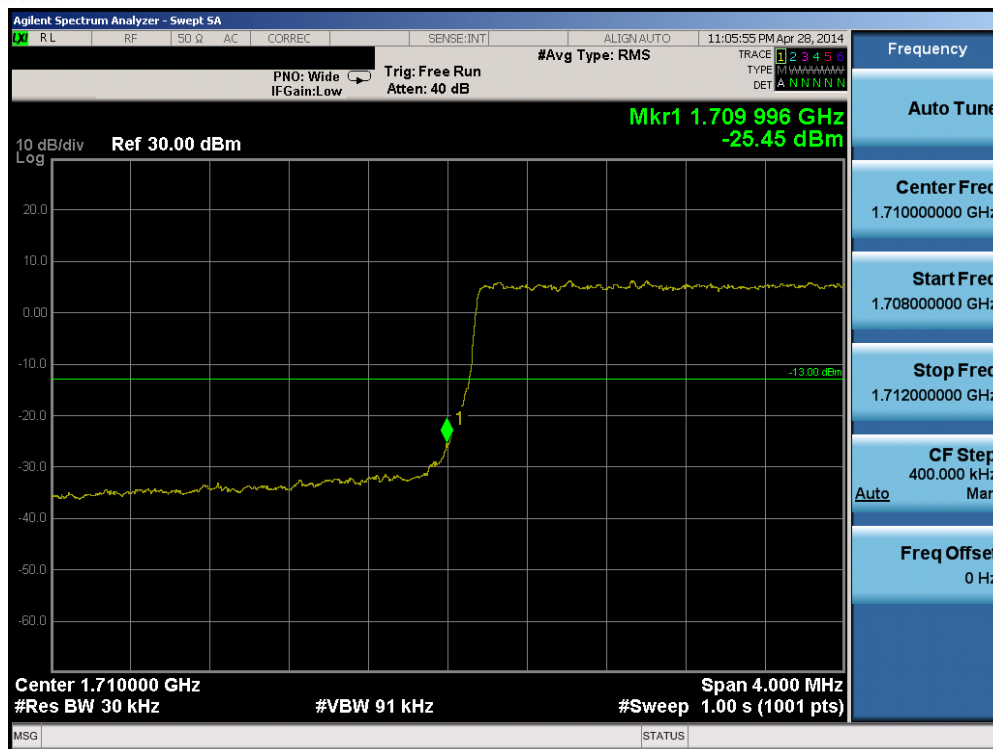


Plot 6-93. Upper Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

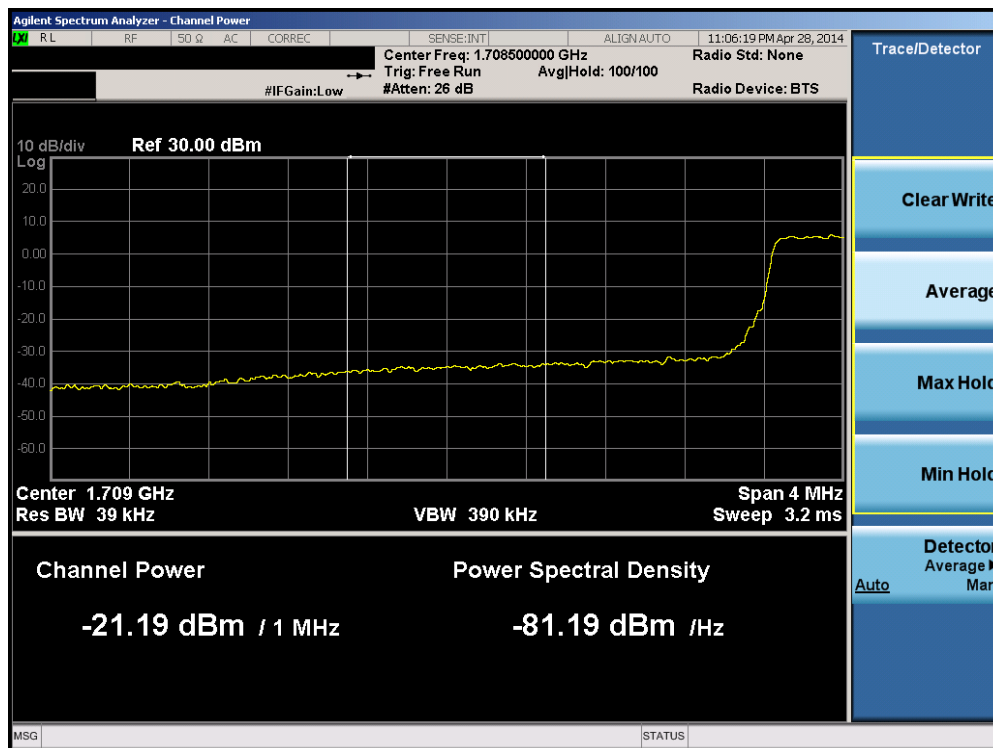


Plot 6-94. Upper Extended Band Edge Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 61 of 119

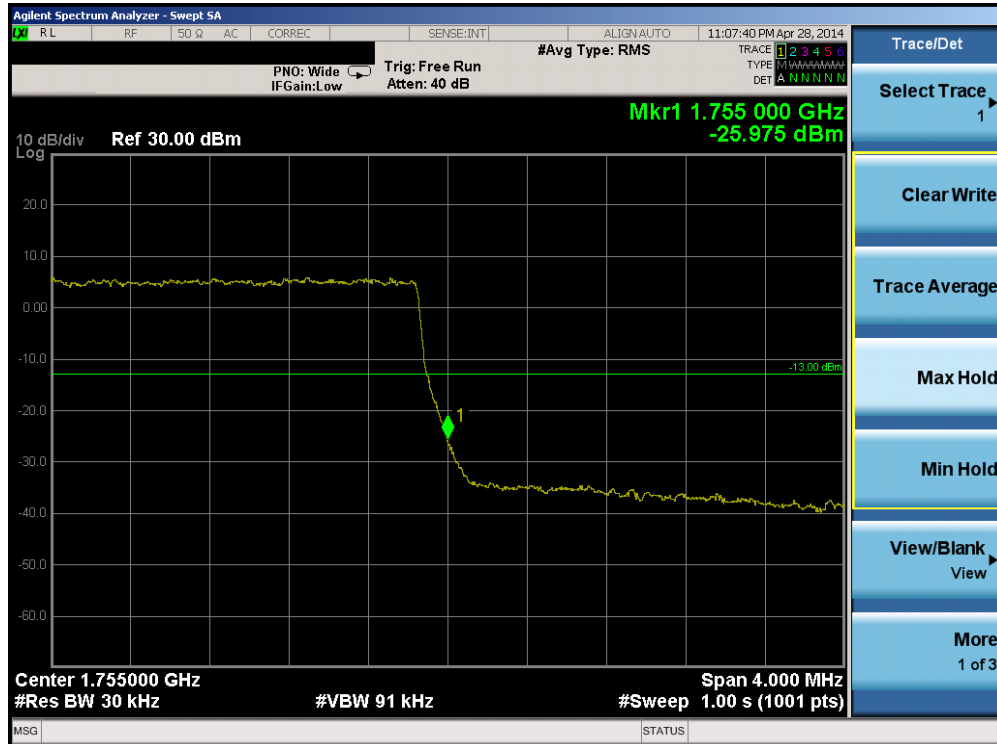


Plot 6-95. Lower Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

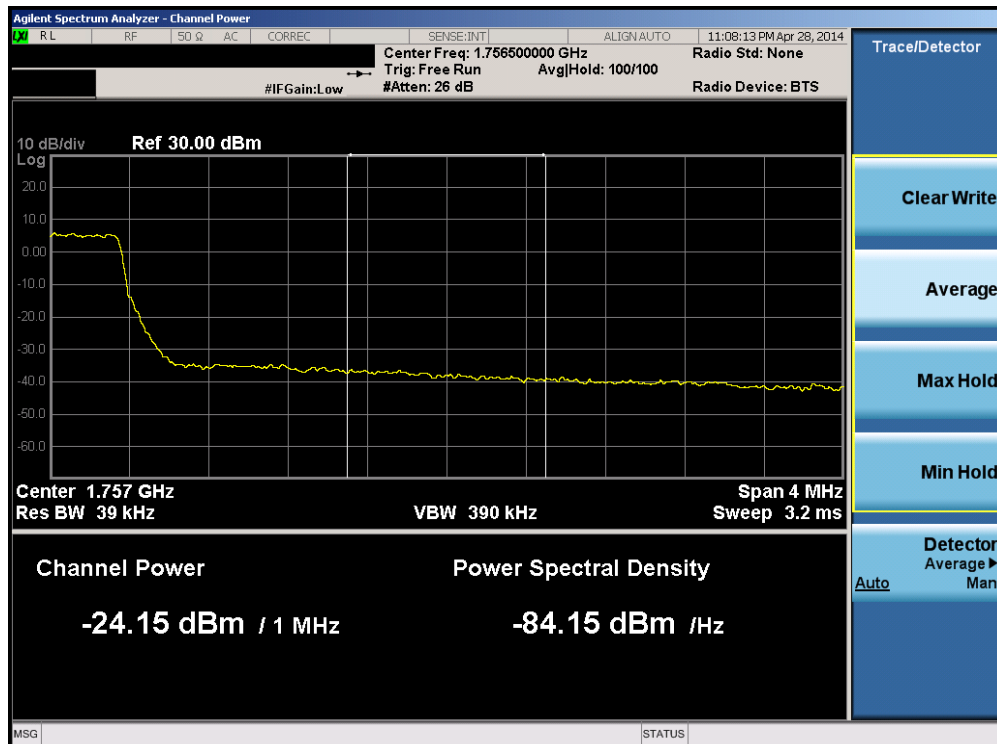


Plot 6-96. Lower Extended Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 62 of 119

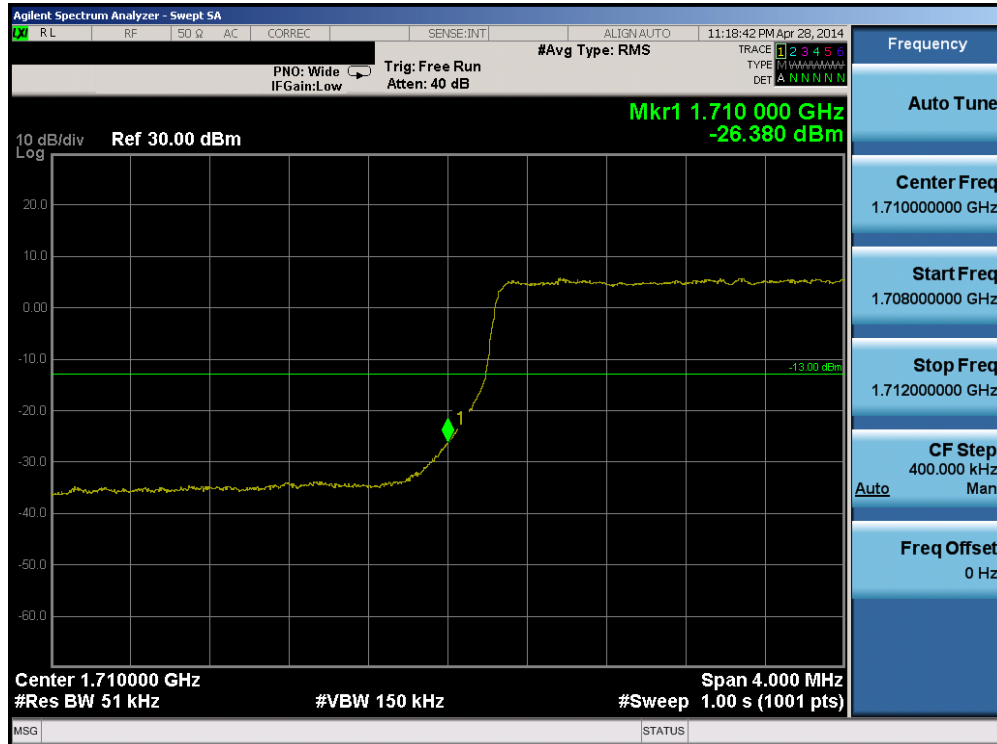


Plot 6-97. Upper Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

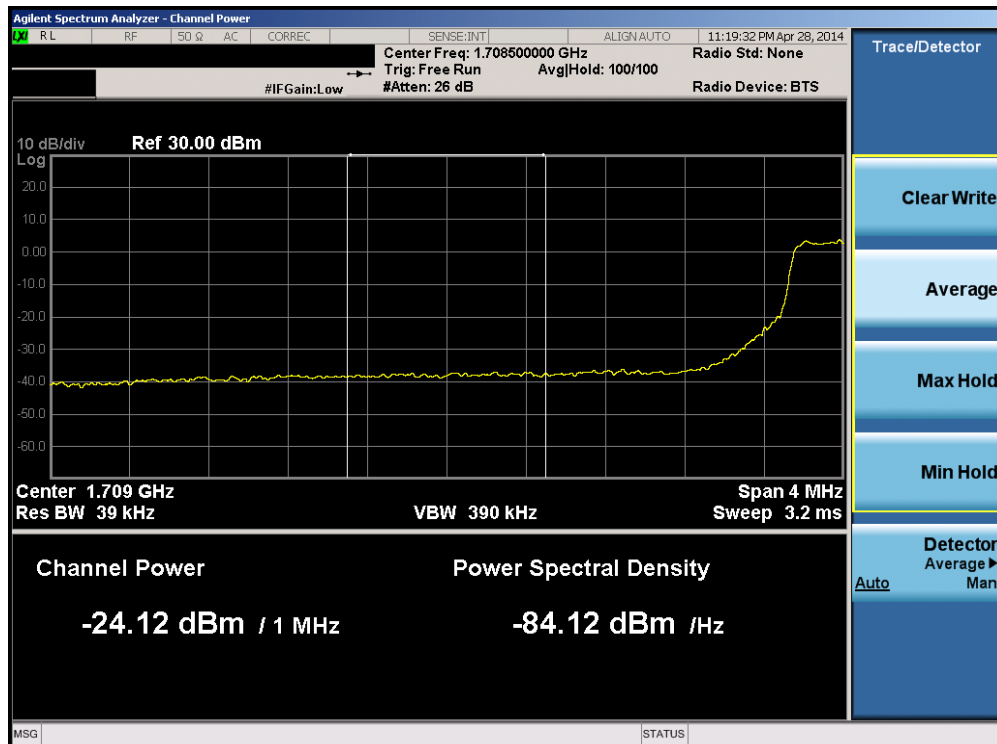


Plot 6-98. Upper Extended Band Edge Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 63 of 119

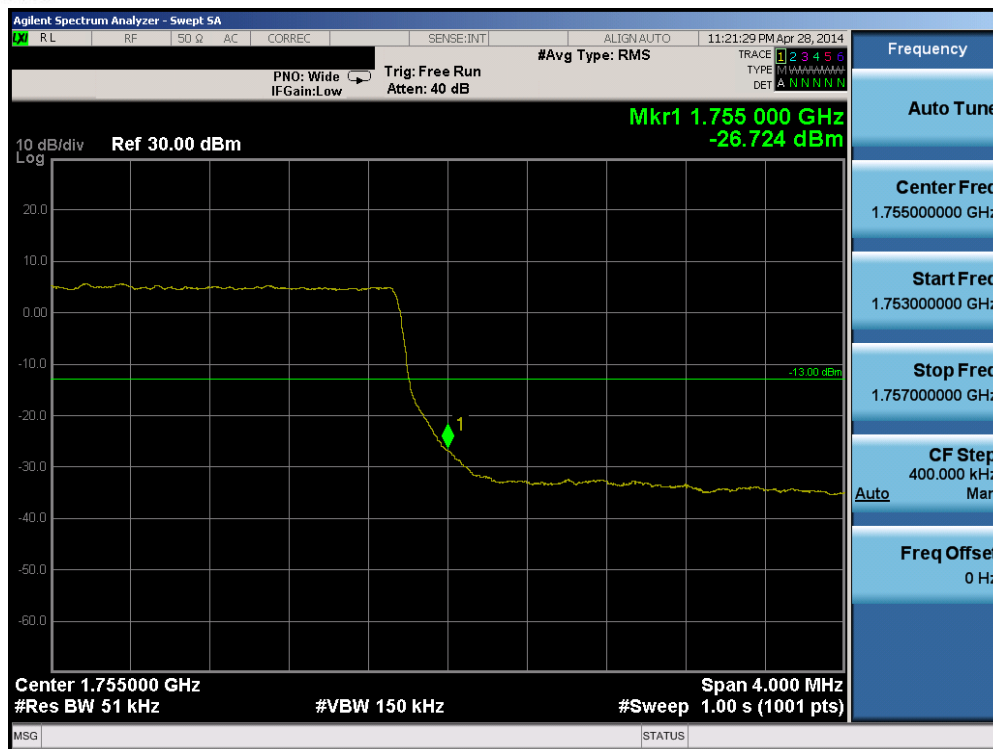


Plot 6-99. Lower Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

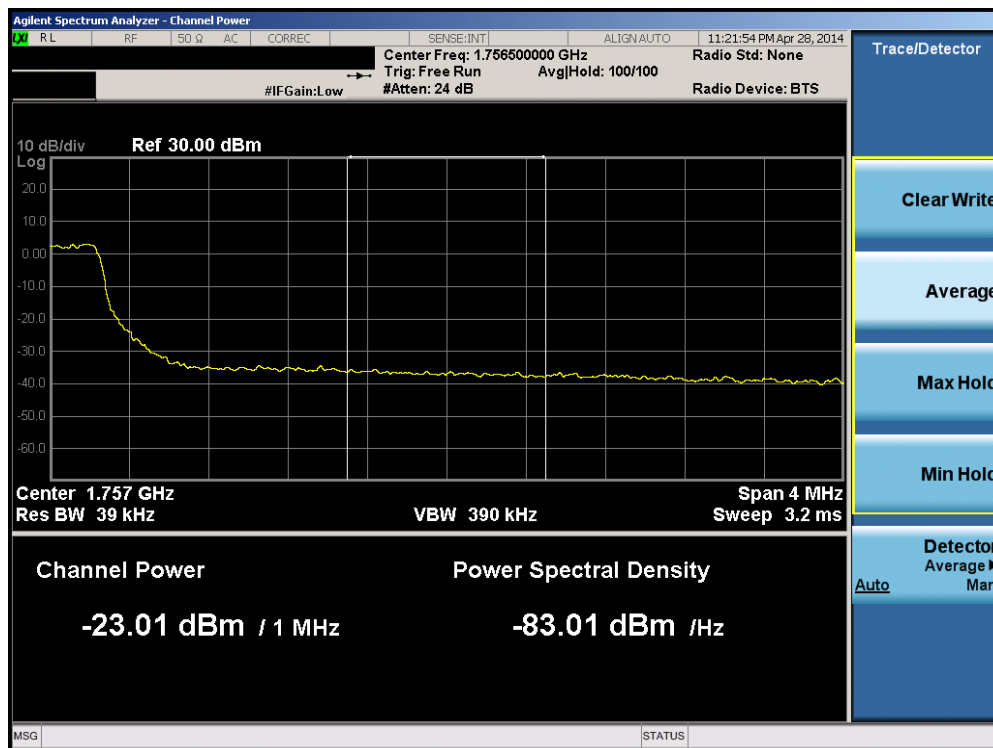


Plot 6-100. Lower Extended Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 64 of 119

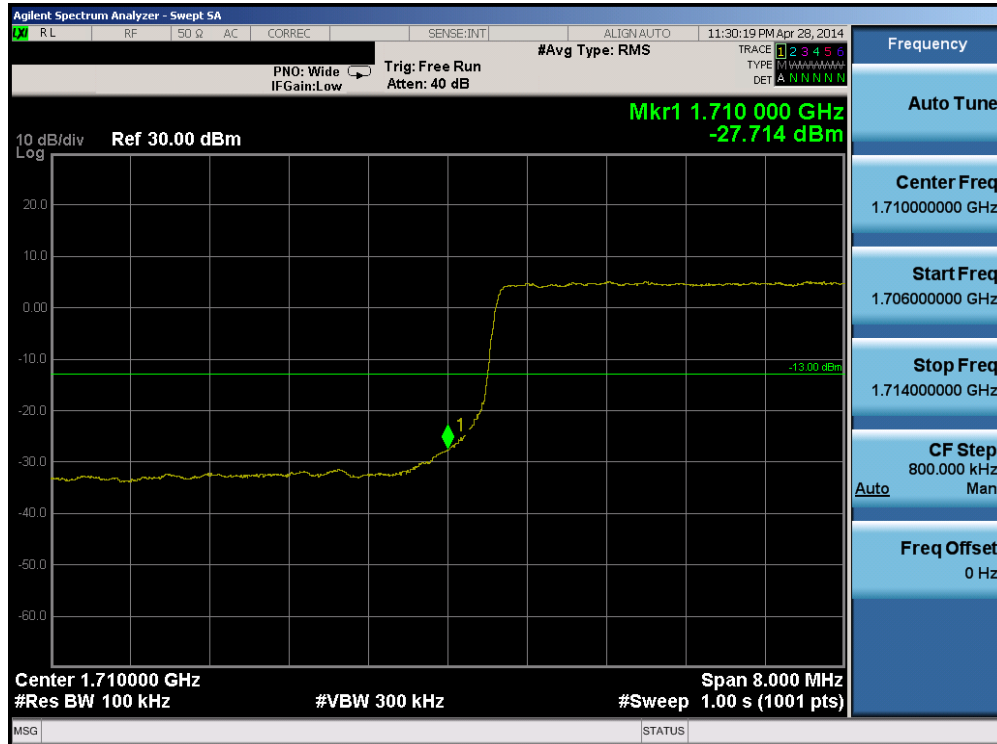


Plot 6-101. Upper Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

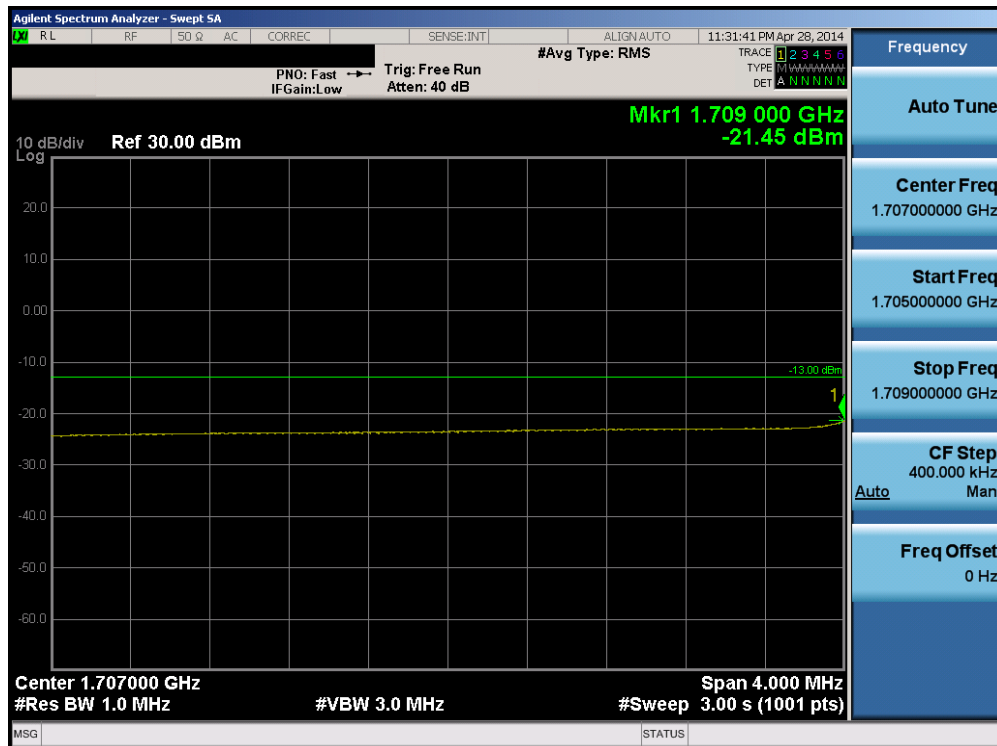


Plot 6-102. Upper Extended Band Edge Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 65 of 119

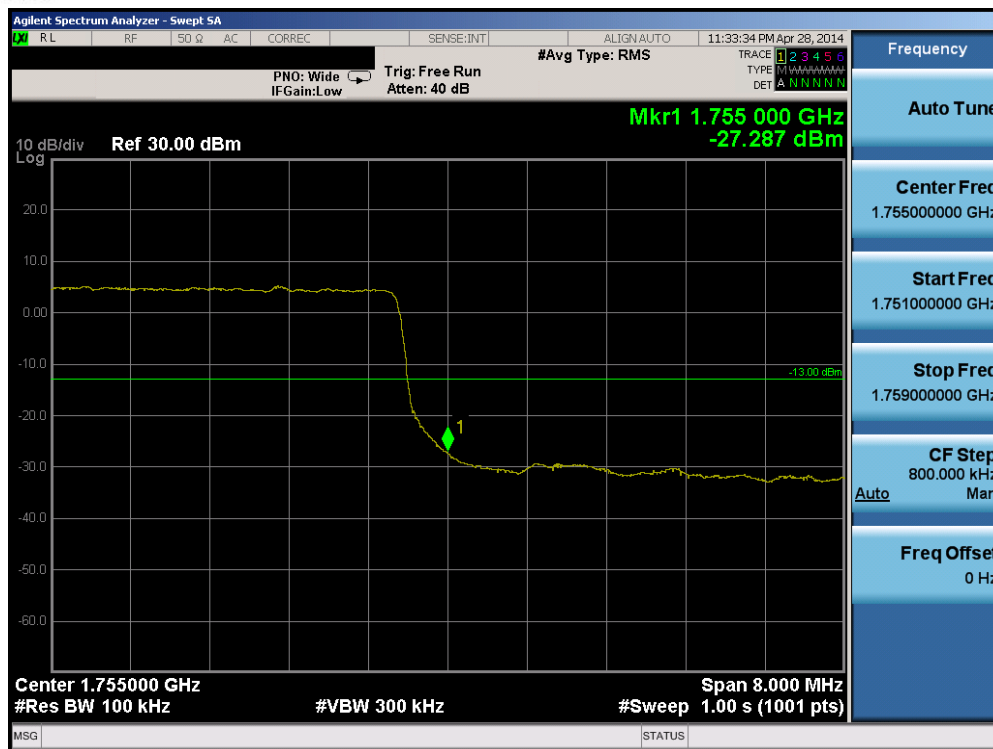


Plot 6-103. Lower Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

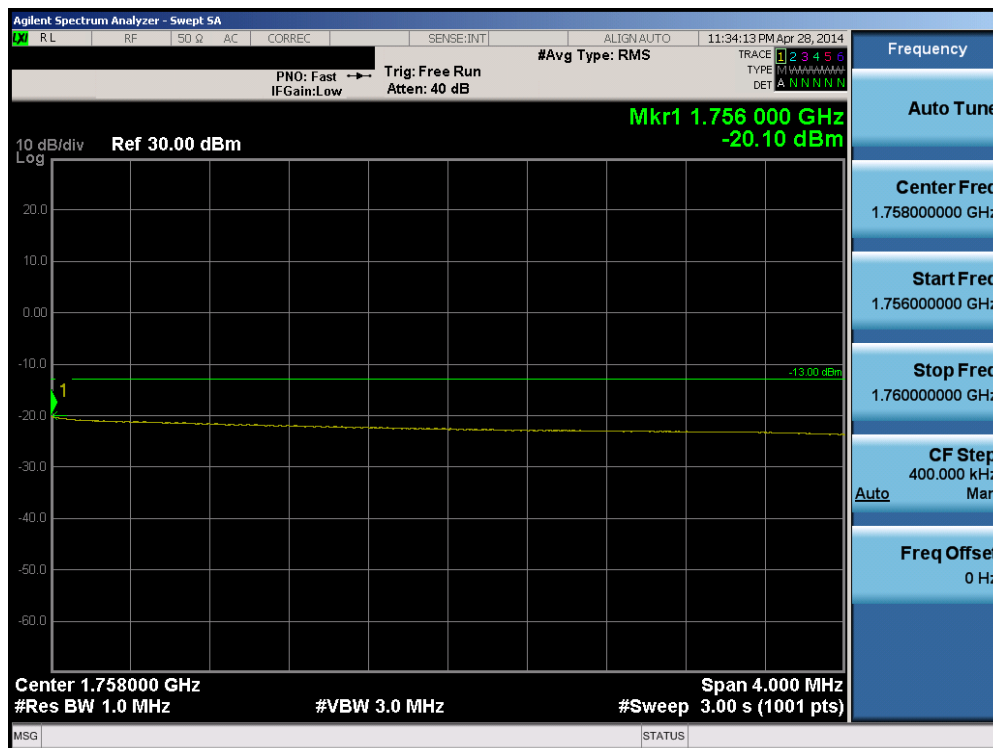


Plot 6-104. Lower Extended Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 66 of 119

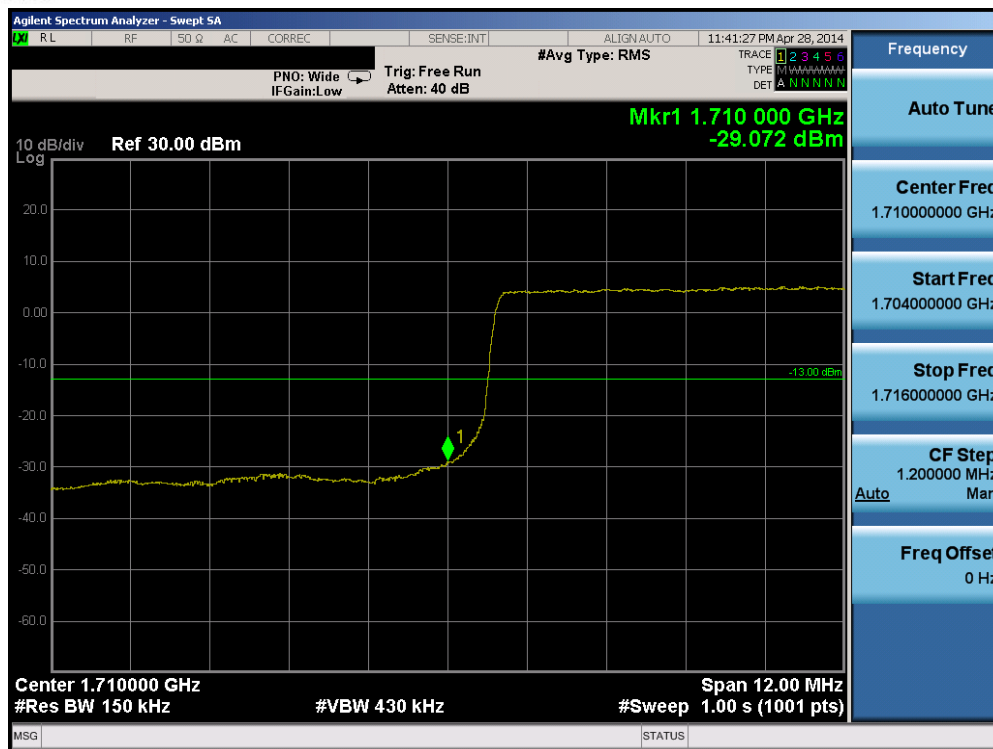


Plot 6-105. Upper Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

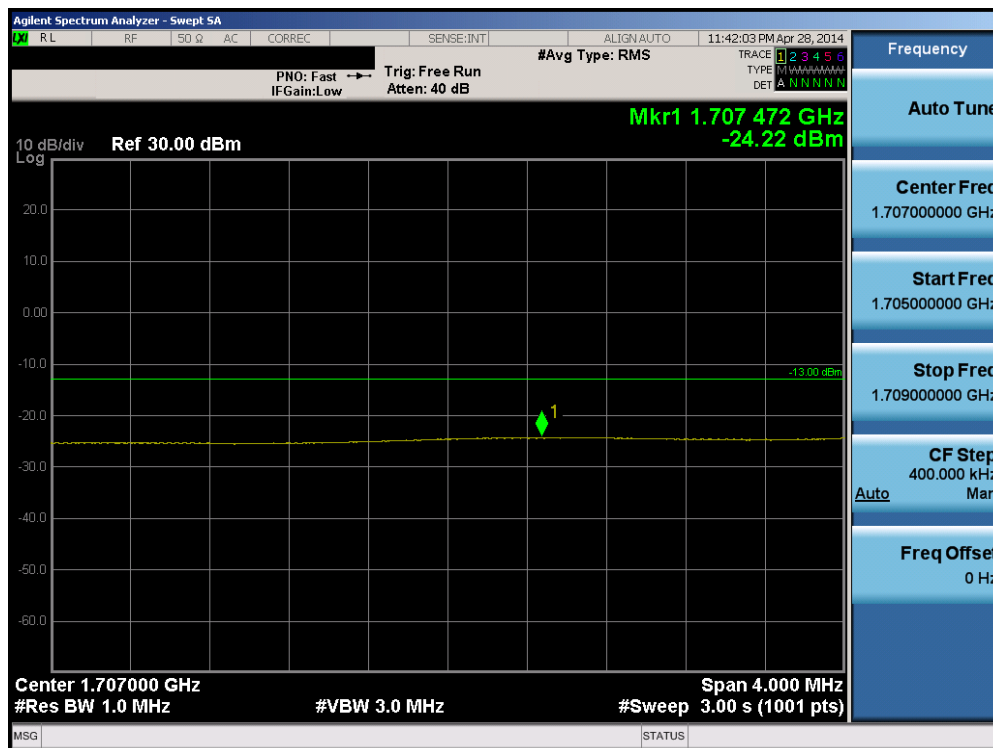


Plot 6-106. Upper Extended Band Edge Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 67 of 119

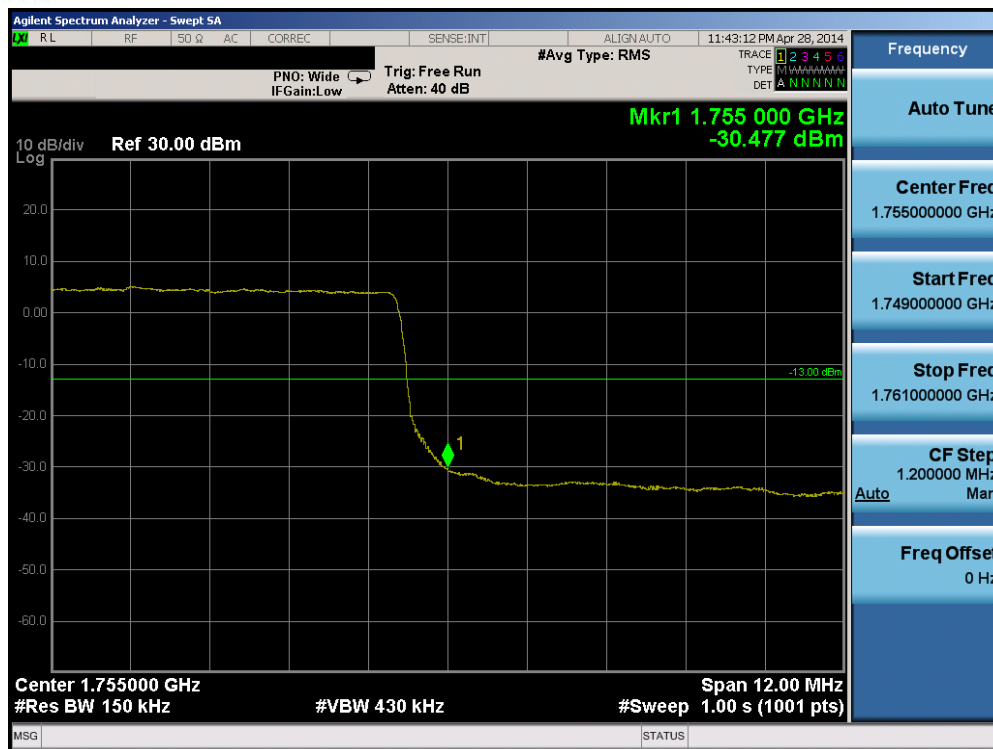


Plot 6-107. Lower Band Edge Plot (Band 4 - 15.0MHz QPSK - RB Size 75)

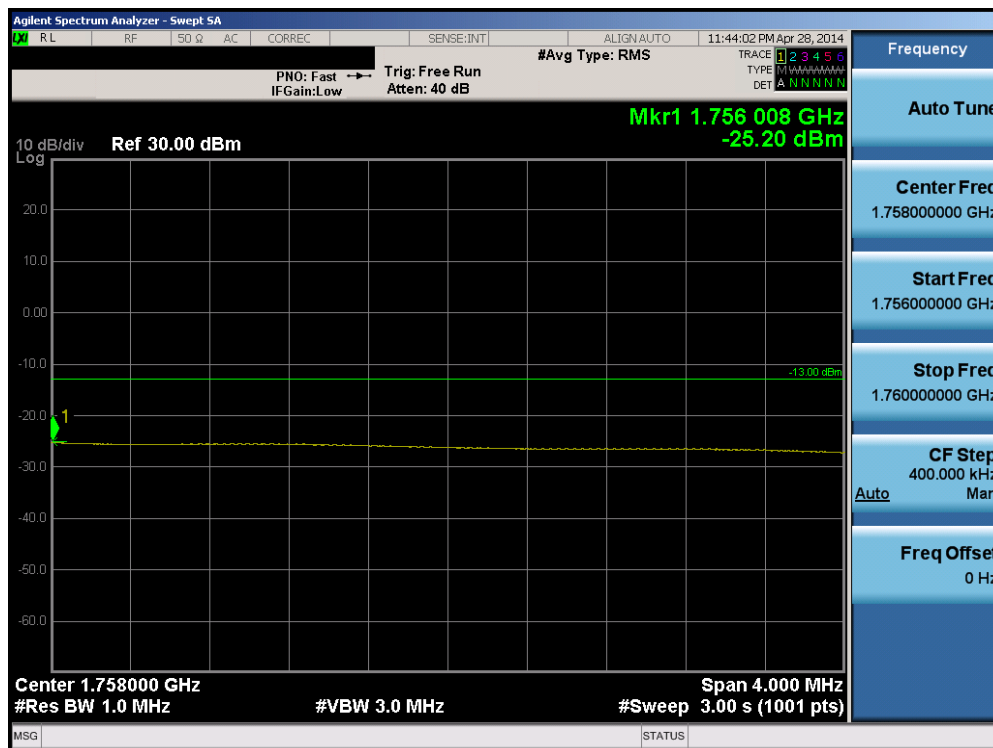


Plot 6-108. Lower Extended Band Edge Plot (Band 4 - 15.0MHz QPSK - RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 68 of 119

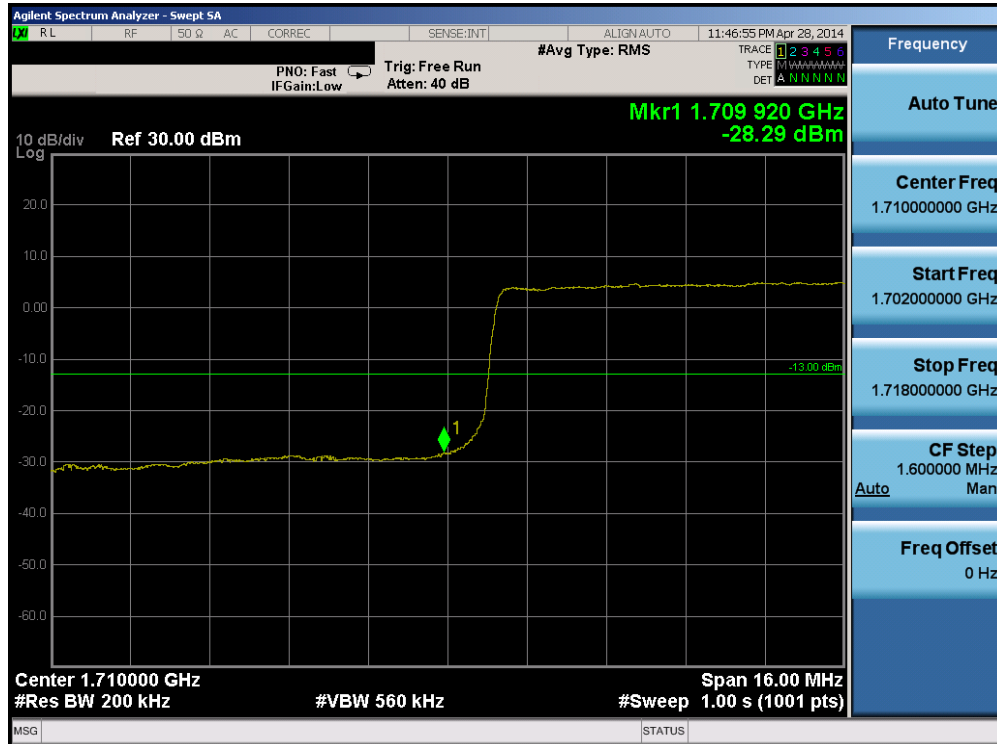


Plot 6-109. Upper Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)

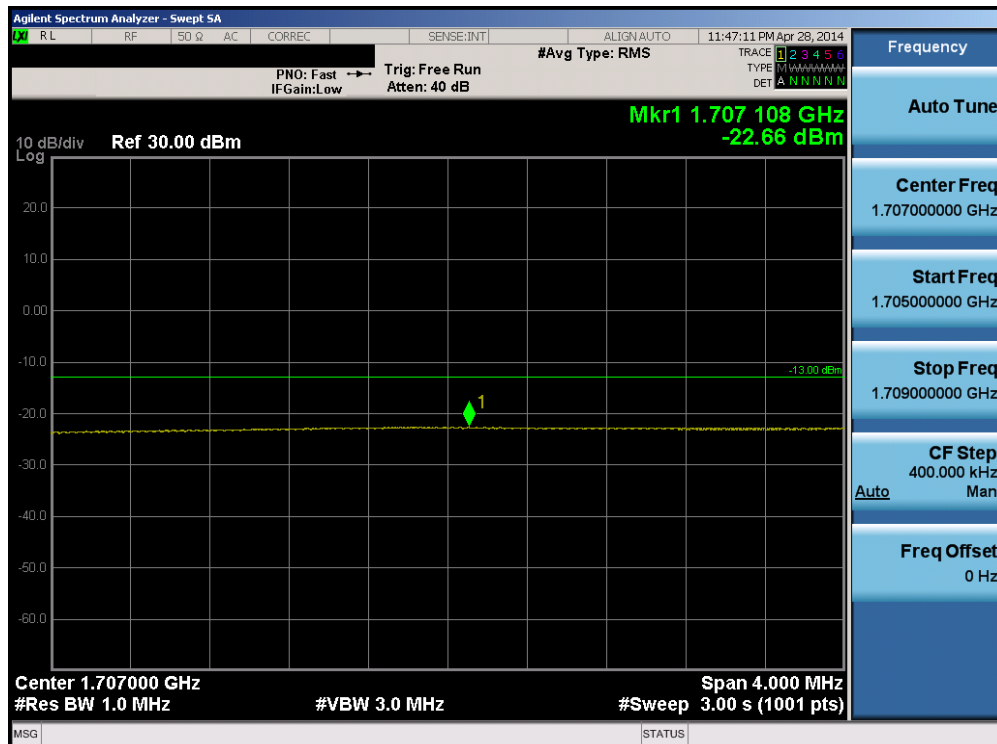


Plot 6-110. Upper Extended Band Edge Plot (Band 4 – 15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 69 of 119

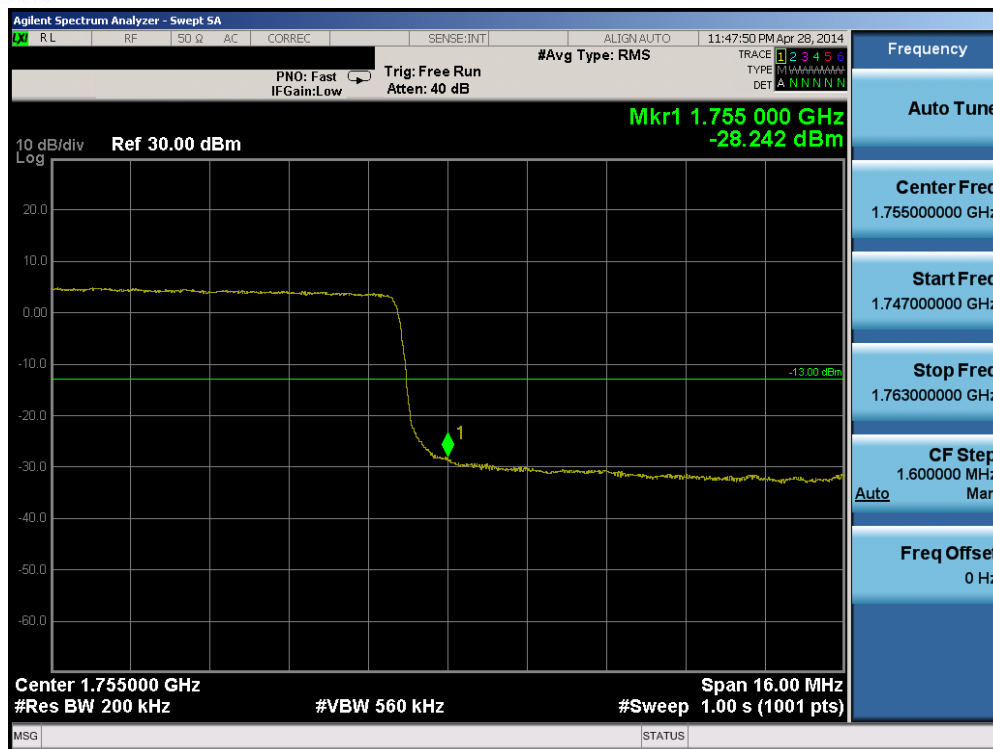


Plot 6-111. Lower Band Edge Plot (Band 4 - 20.0MHz QPSK - RB Size 100)

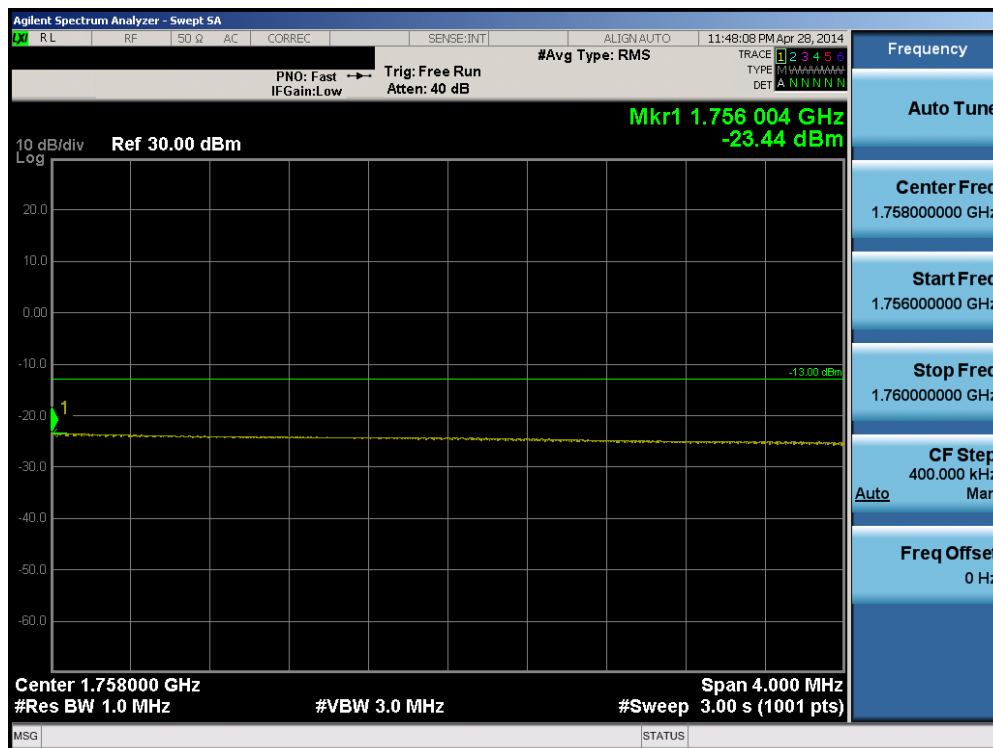


Plot 6-112. Lower Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - RB Size 100)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 70 of 119

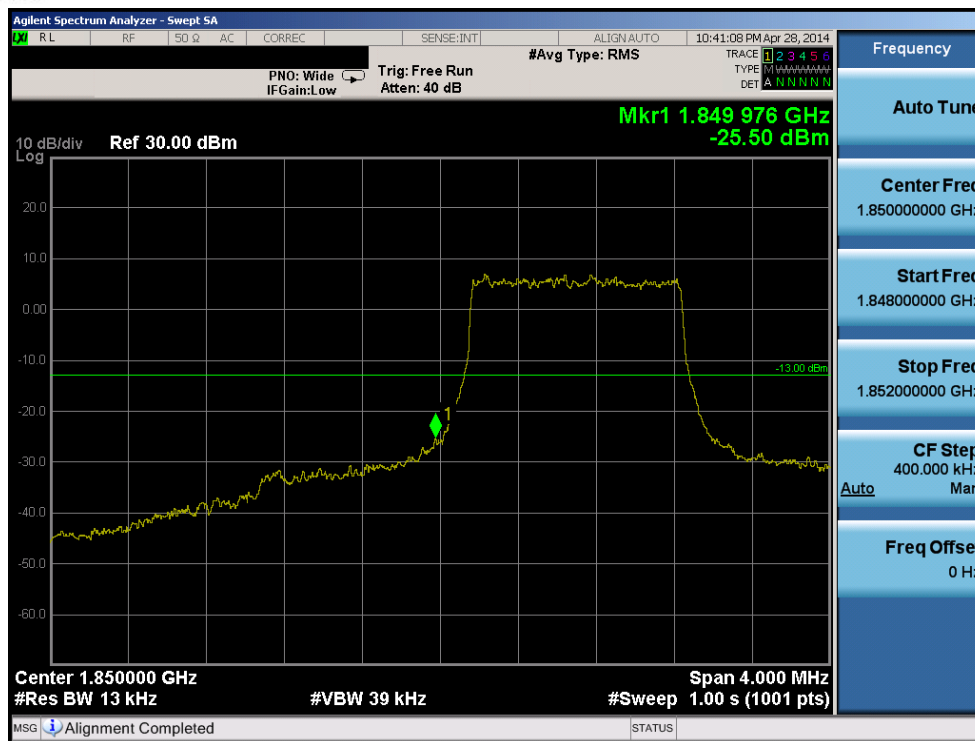


Plot 6-113. Upper Band Edge Plot (Band 4 - 20.0MHz QPSK - RB Size 100)

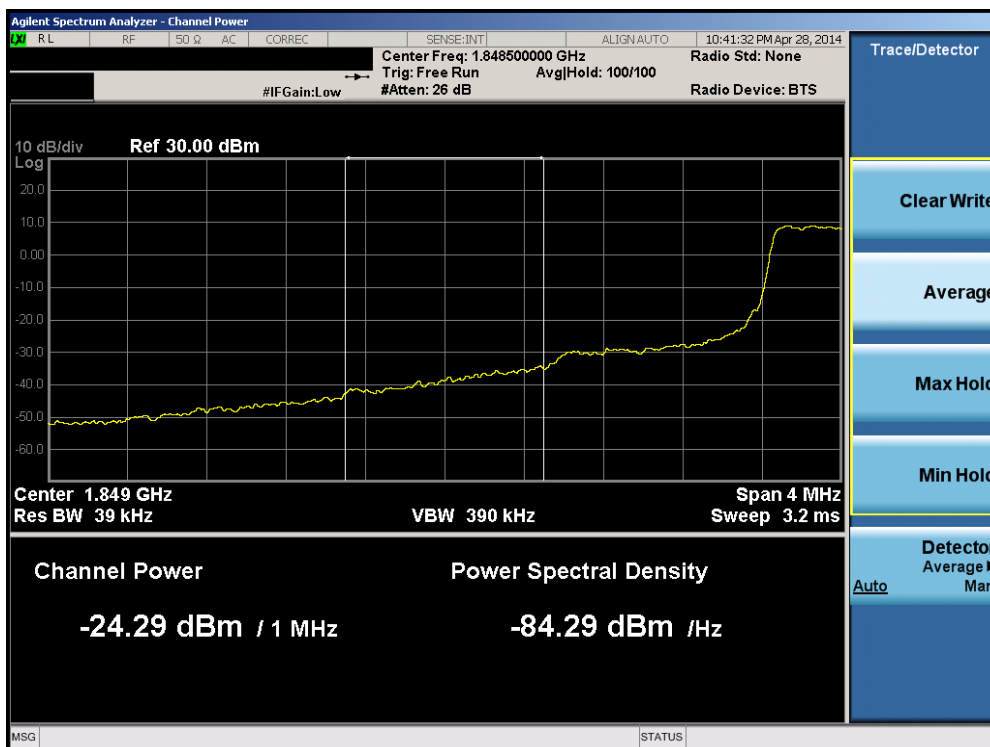


Plot 6-114. Upper Extended Band Edge Plot (Band 4 - 20.0MHz QPSK - RB Size 100)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 71 of 119

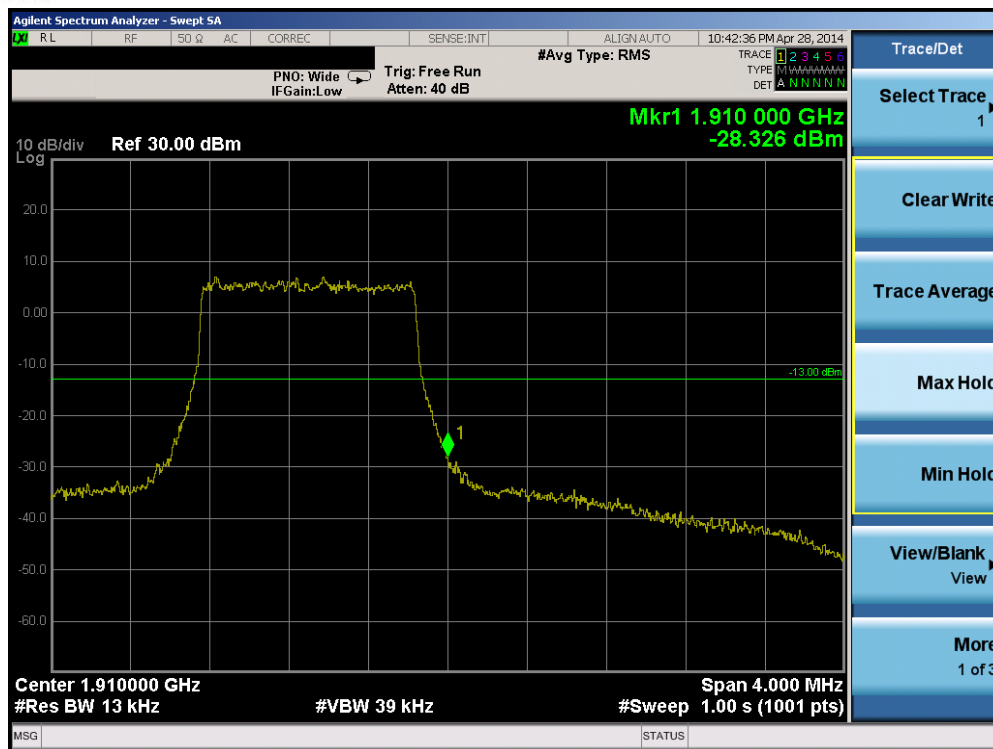


Plot 6-115. Lower Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

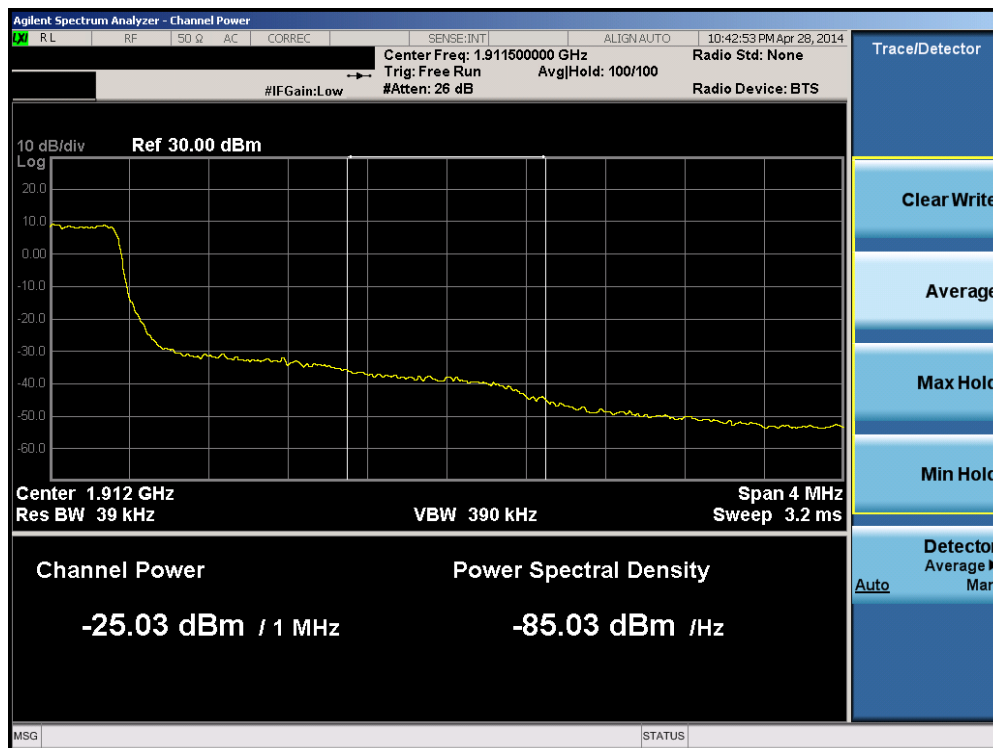


Plot 6-116. Lower Extended Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 72 of 119

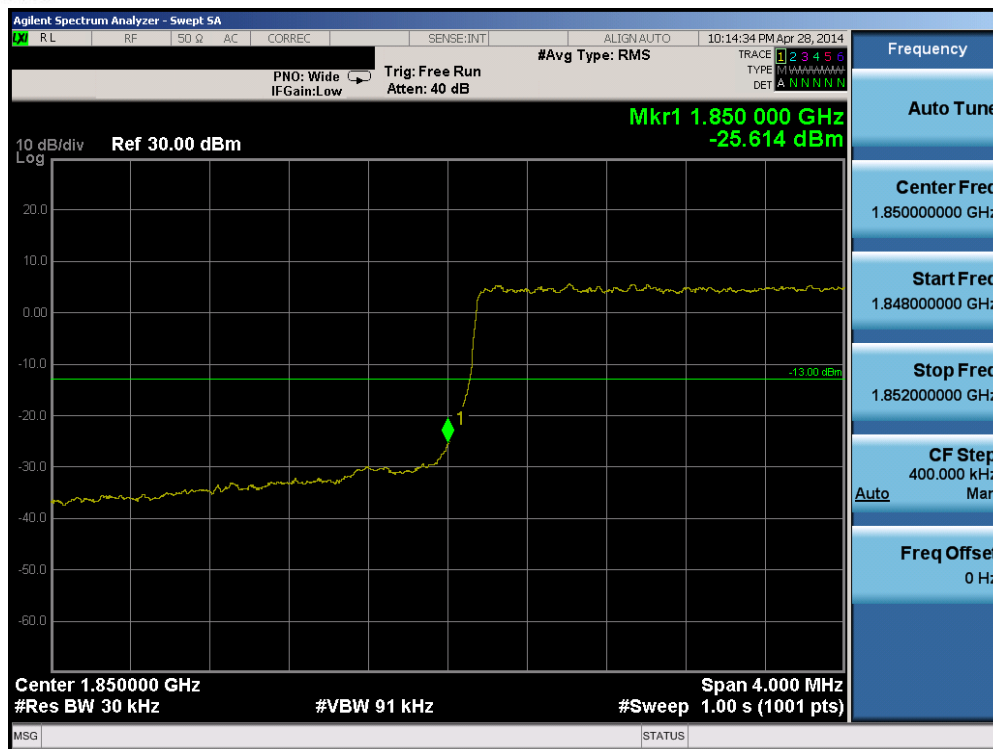


Plot 6-117. Upper Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

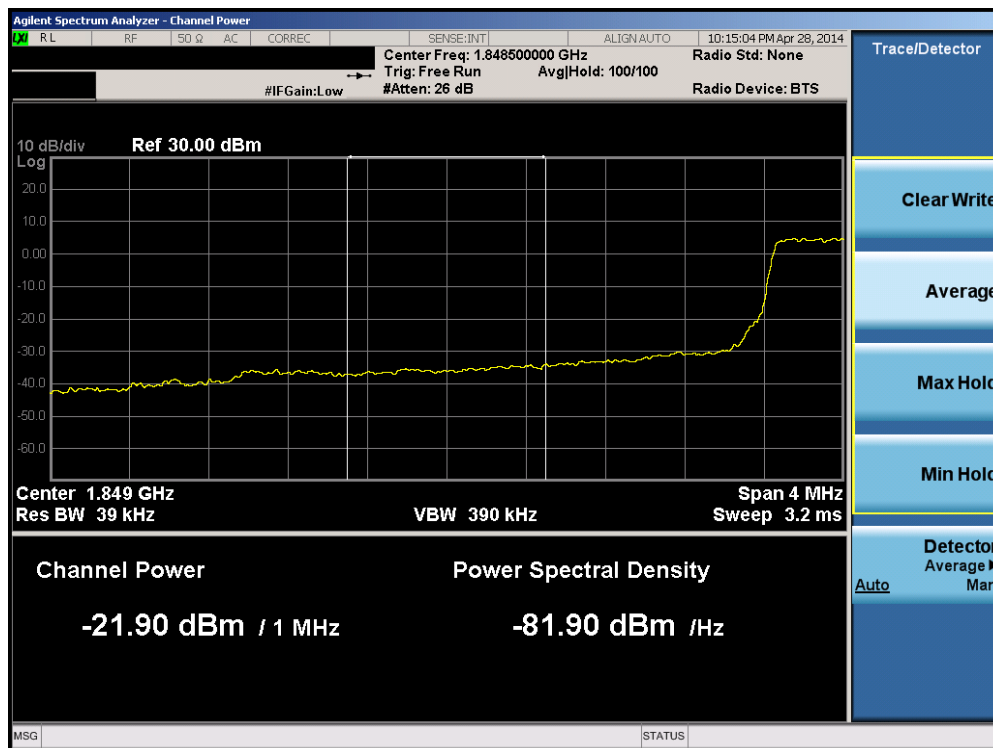


Plot 6-118. Upper Extended Band Edge Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 73 of 119

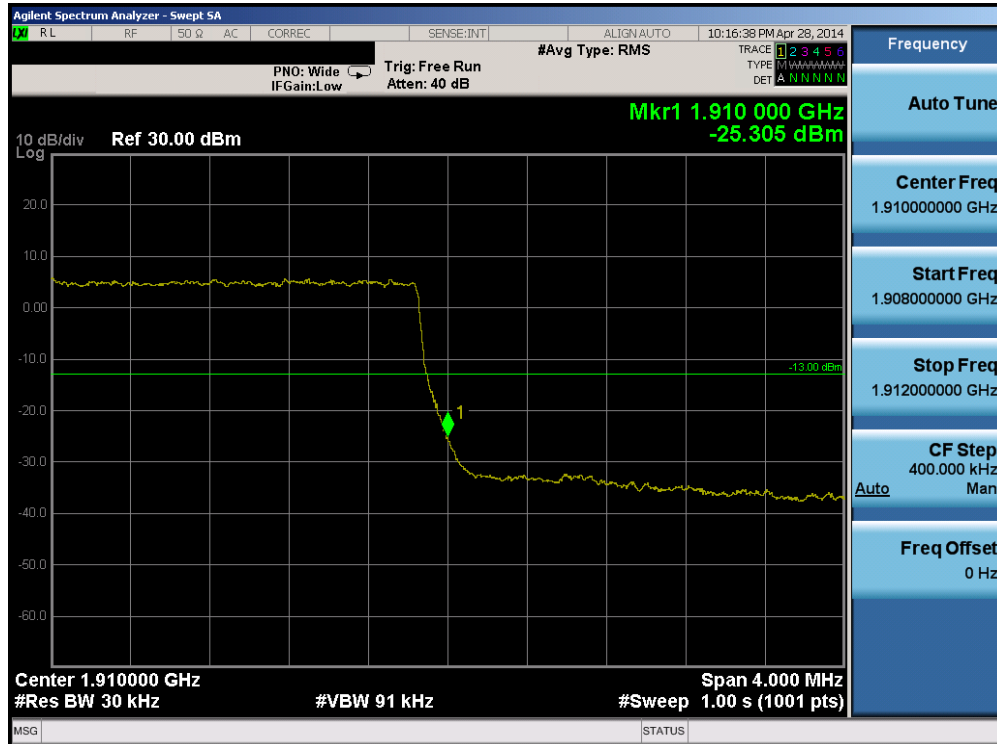


Plot 6-119. Lower Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

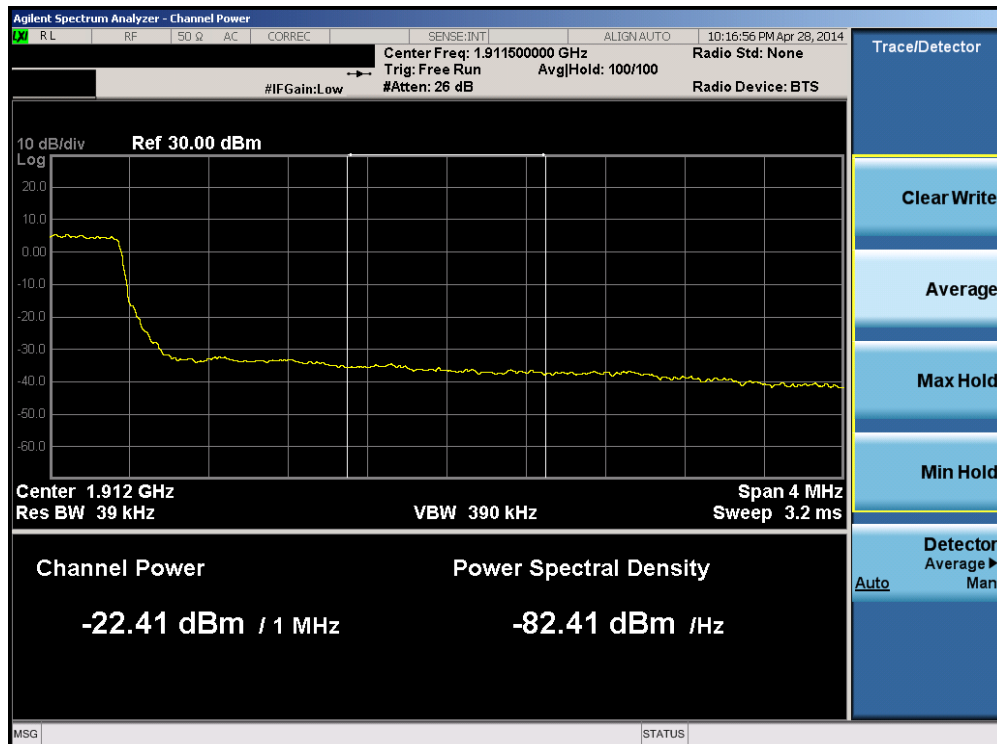


Plot 6-120. Lower Extended Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 74 of 119

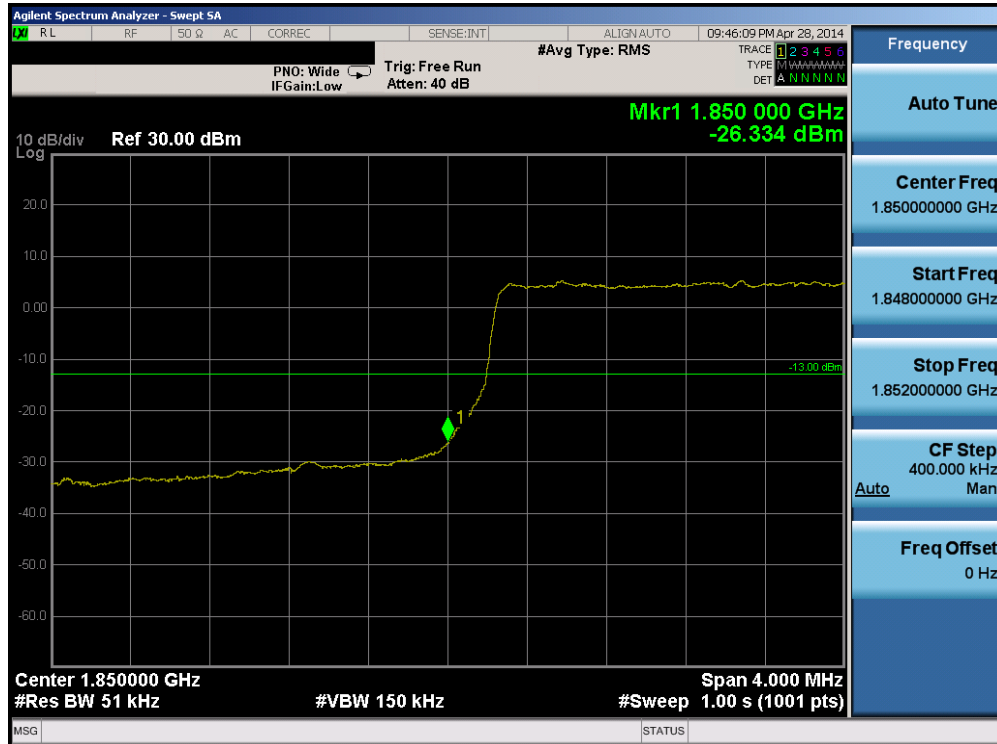


Plot 6-121. Upper Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

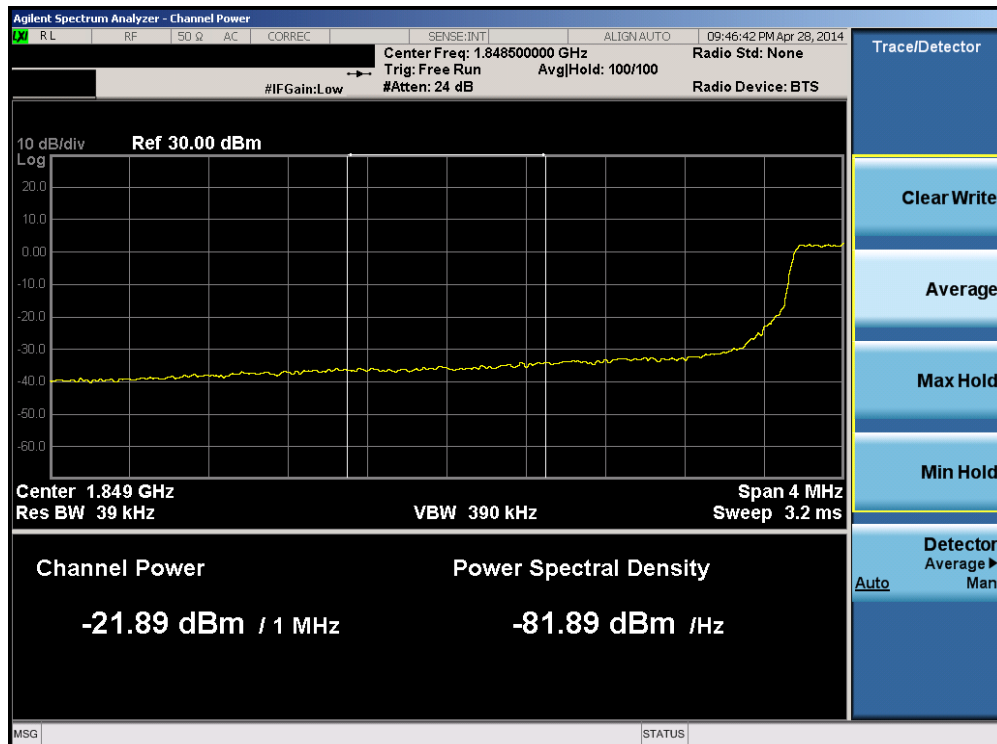


Plot 6-122. Upper Extended Band Edge Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 75 of 119

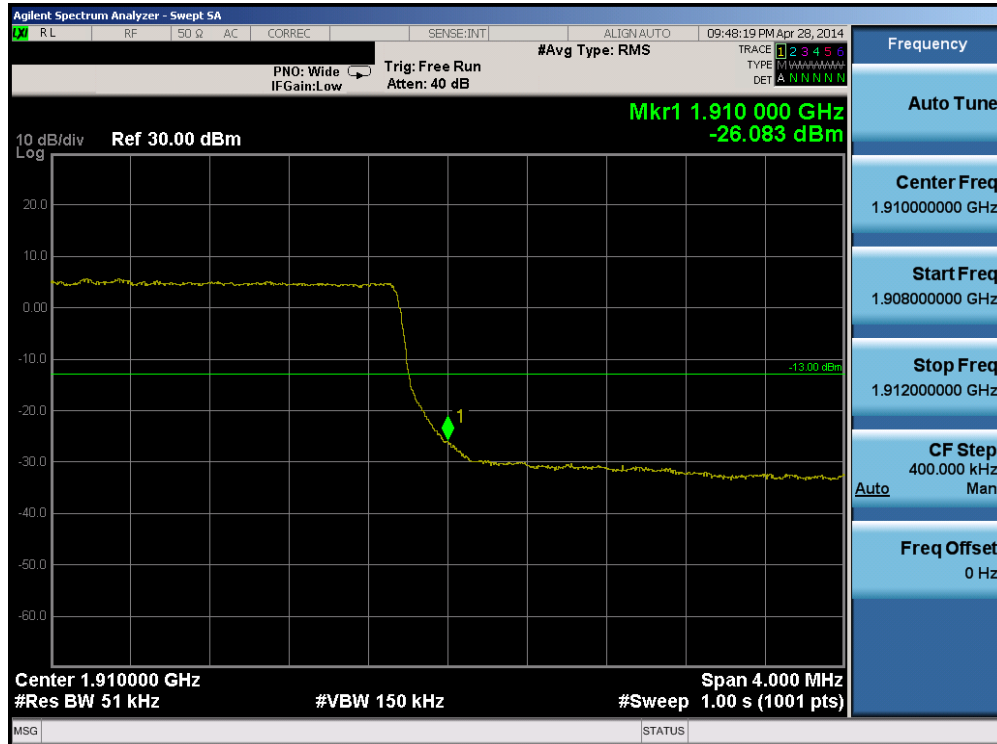


Plot 6-123. Lower Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

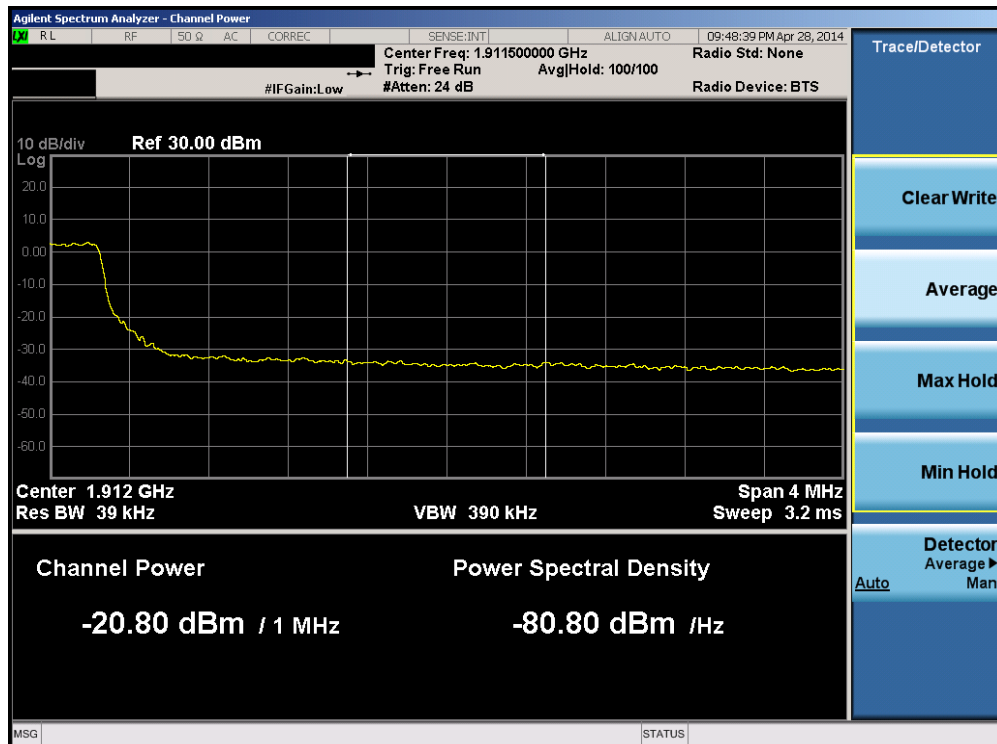


Plot 6-124. Lower Extended Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 76 of 119

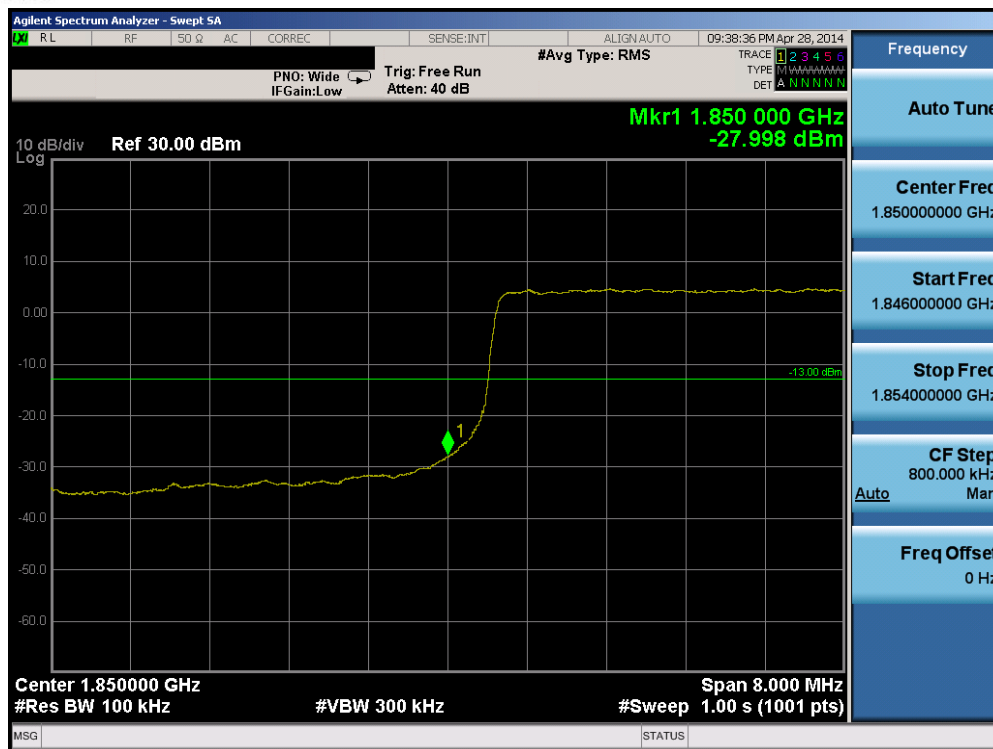


Plot 6-125. Upper Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

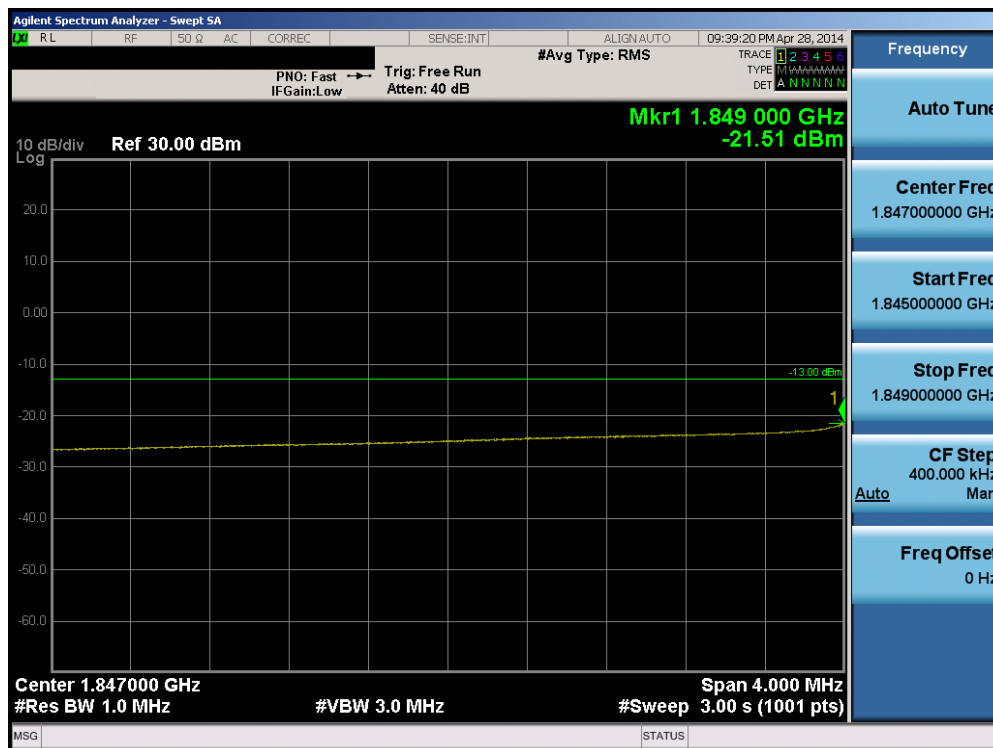


Plot 6-126. Upper Extended Band Edge Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 77 of 119

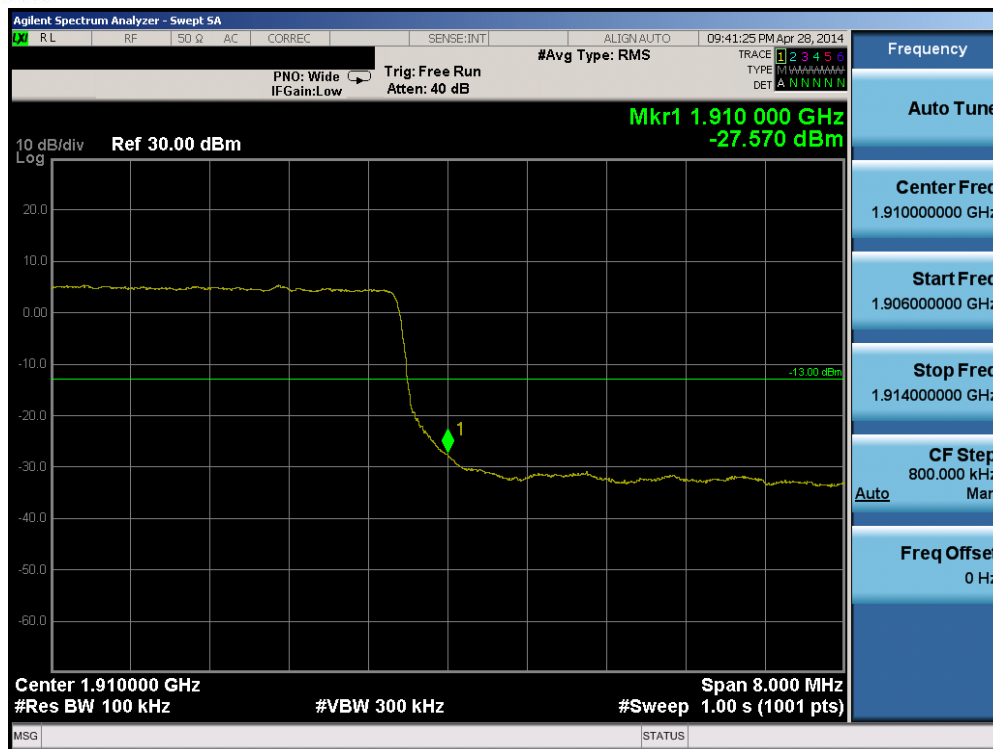


Plot 6-127. Lower Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

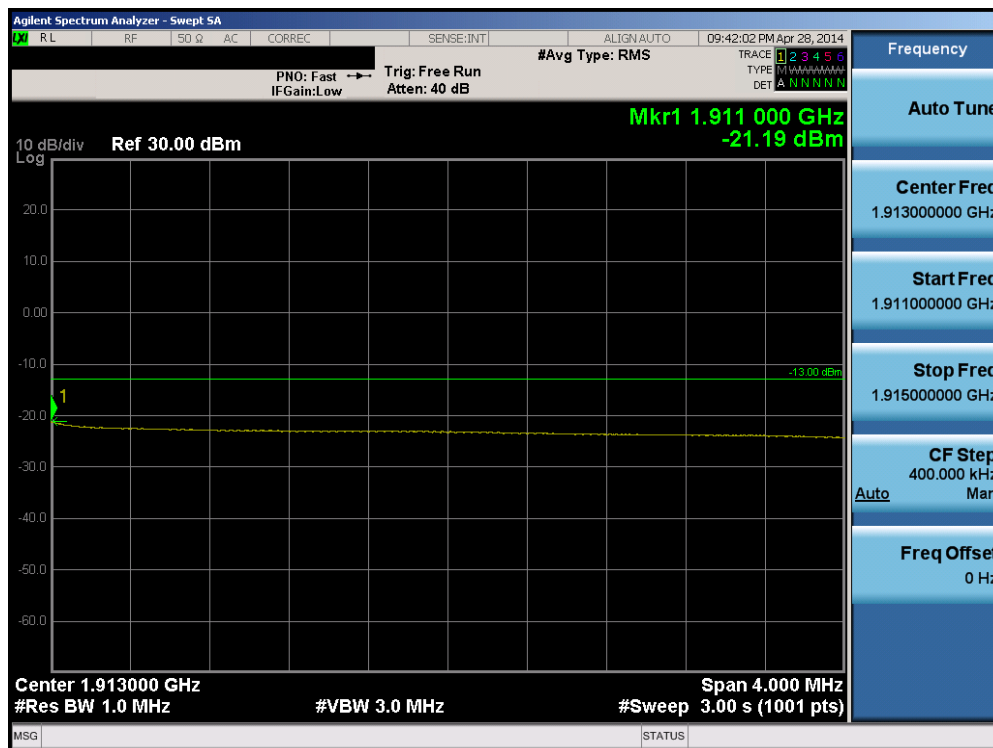


Plot 6-128. Lower Extended Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 78 of 119

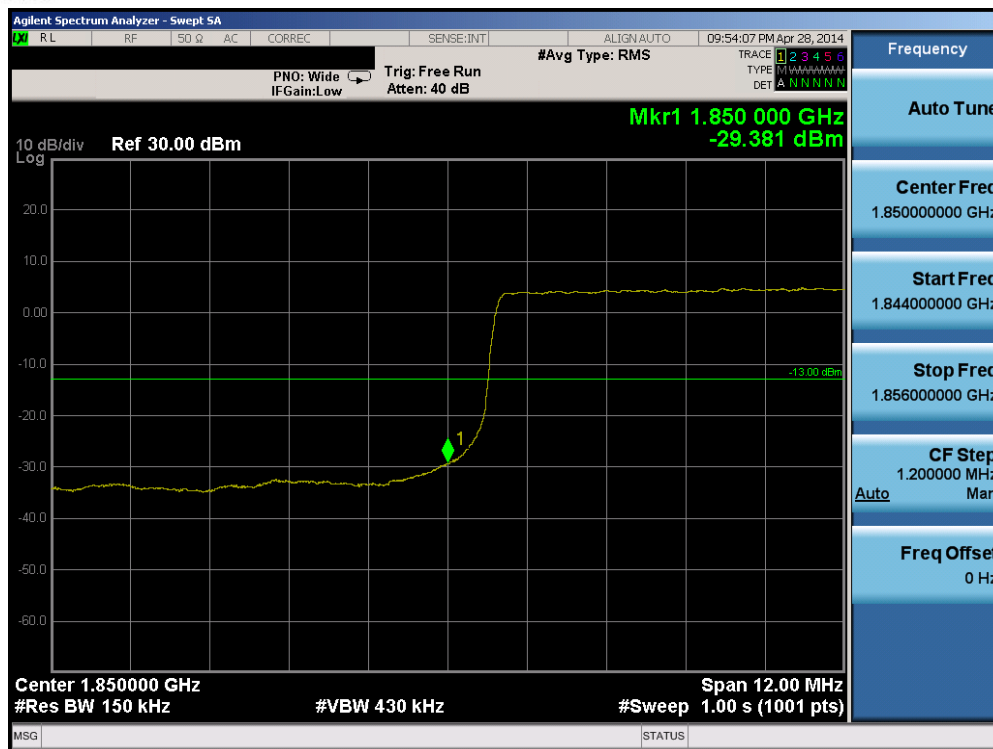


Plot 6-129. Upper Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

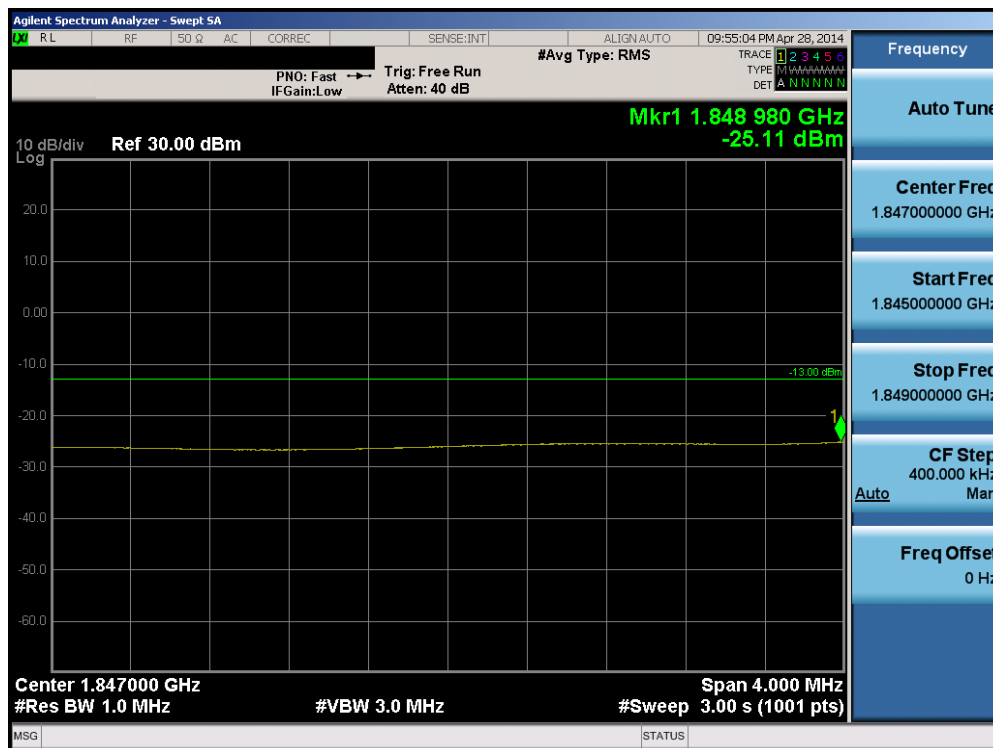


Plot 6-130. Upper Extended Band Edge Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 79 of 119

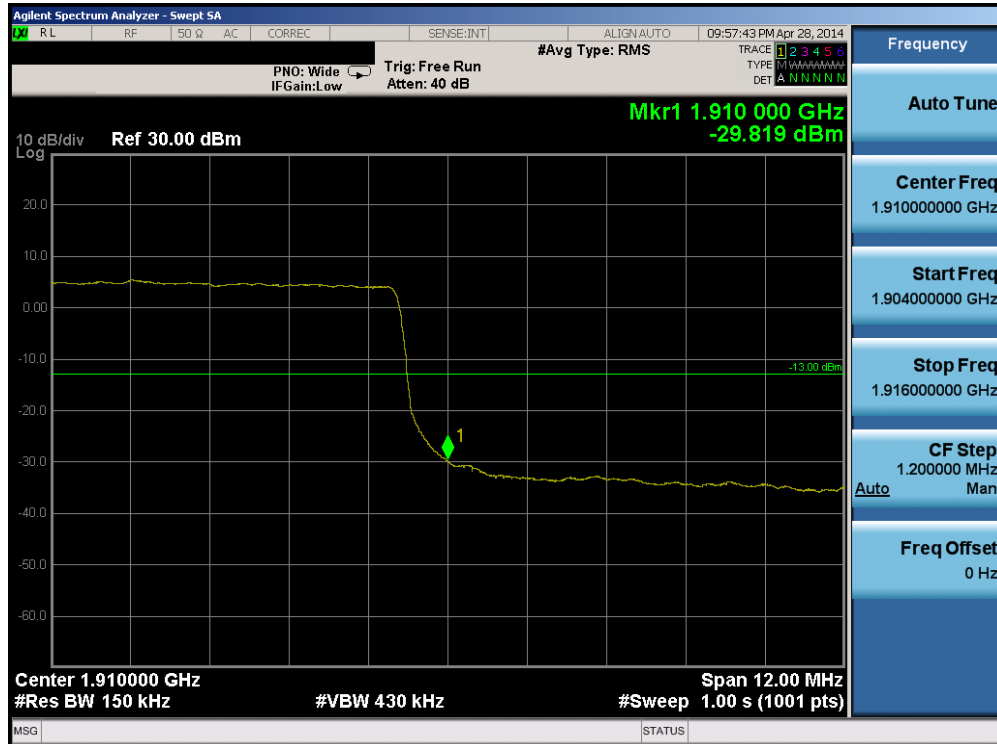


Plot 6-131. Lower Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)

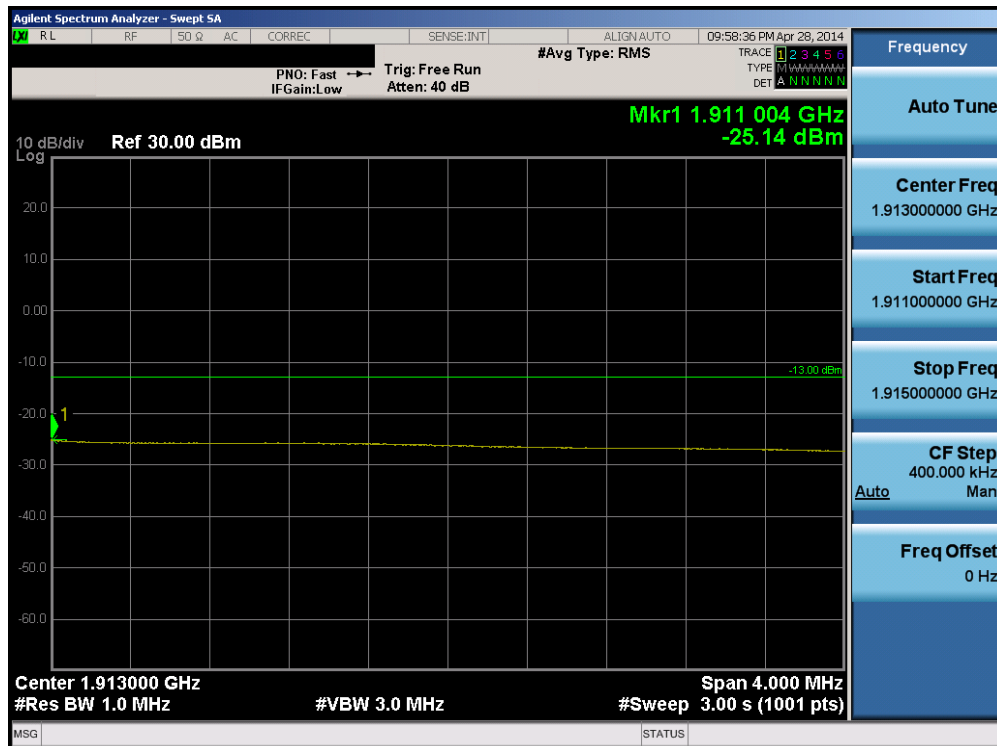


Plot 6-132. Lower Extended Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 80 of 119

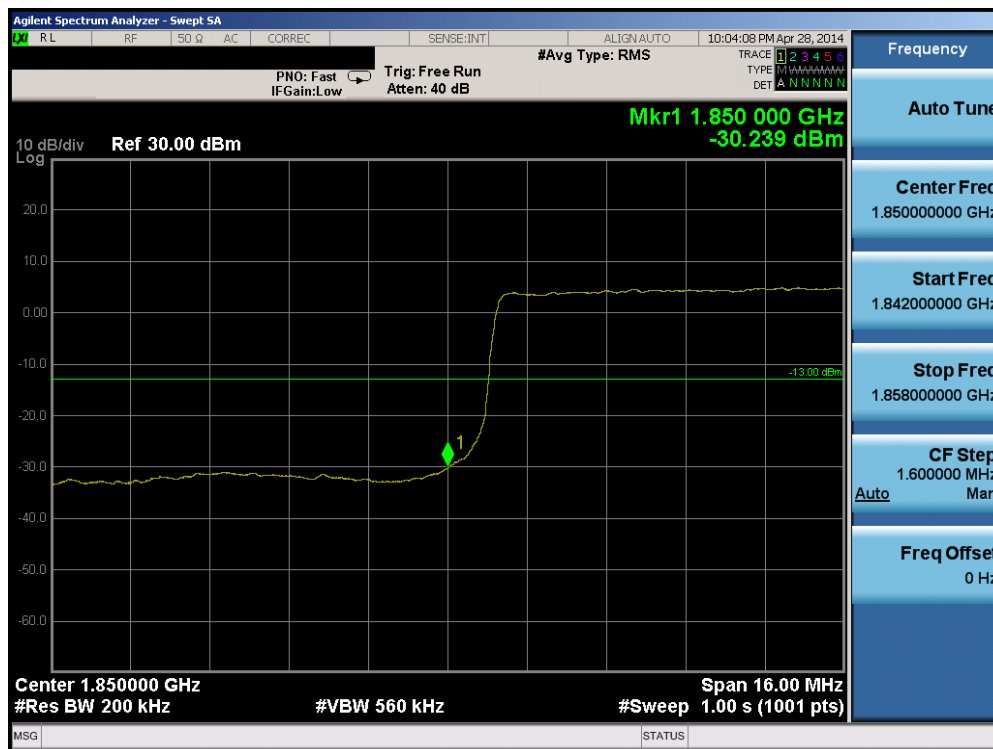


Plot 6-133. Upper Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)

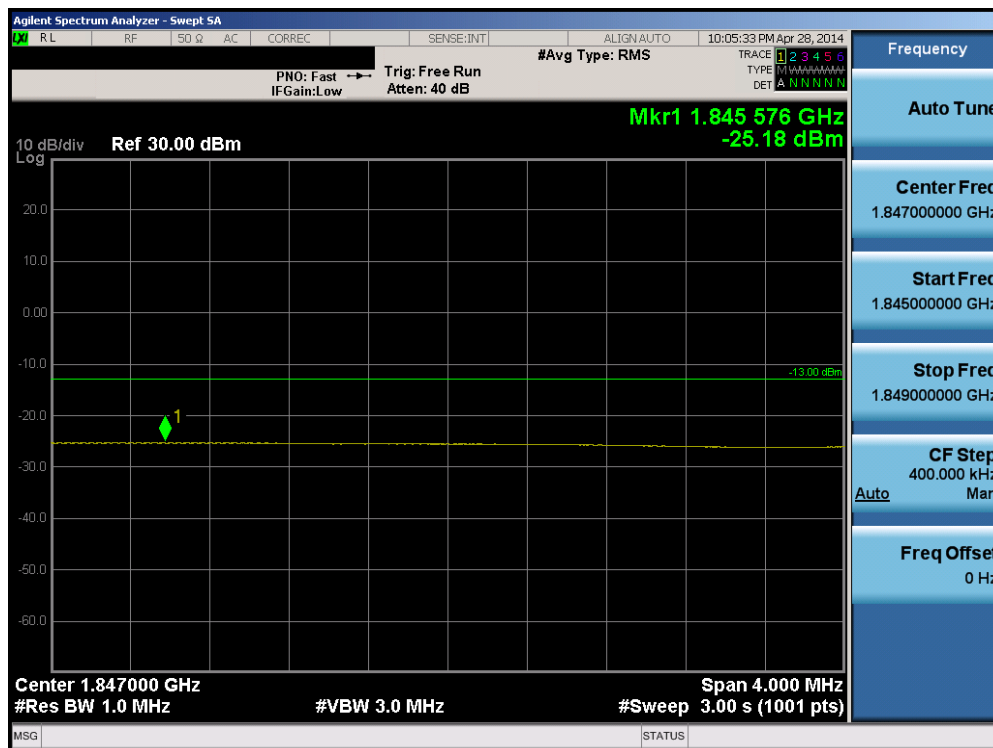


Plot 6-134. Upper Extended Band Edge Plot (Band 2 – 15.0MHz QPSK – RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 81 of 119

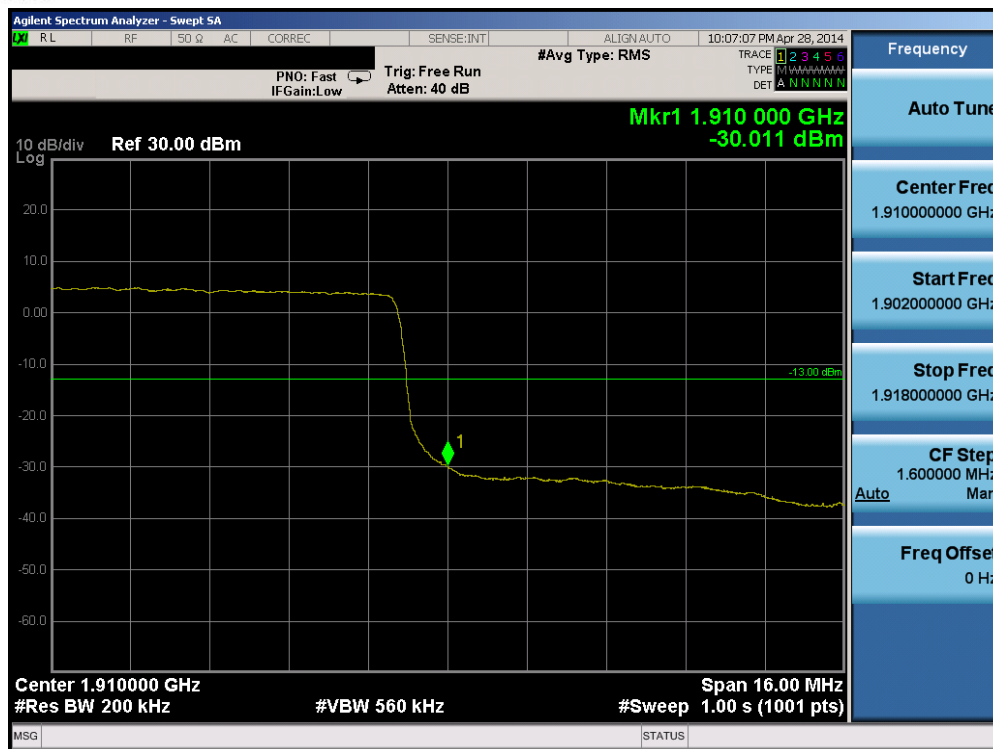


Plot 6-135. Lower Band Edge Plot (Band 2 – 20.0MHz QPSK – RB Size 100)

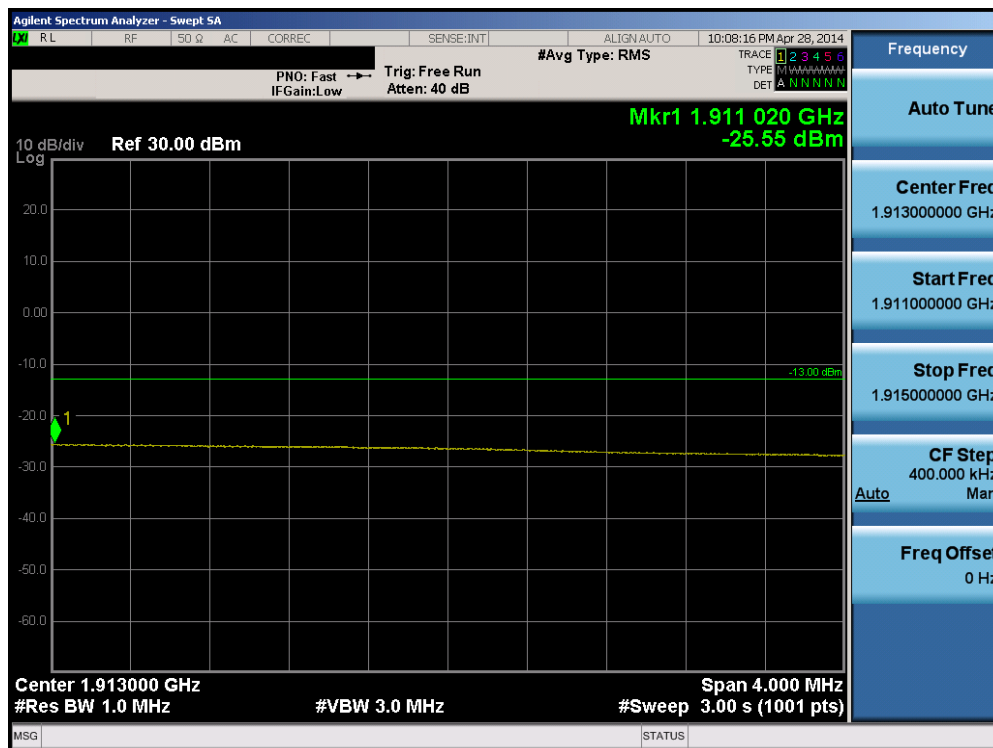


Plot 6-136. Lower Extended Band Edge Plot (Band 2 – 20.0MHz QPSK – RB Size 100)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 82 of 119



Plot 6-137. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - RB Size 100)



Plot 6-138. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - RB Size 100)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 83 of 119

6.5 Peak-Average Ratio

§24.232(d) §27.50(d.5)

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

KDB 971168 v02r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

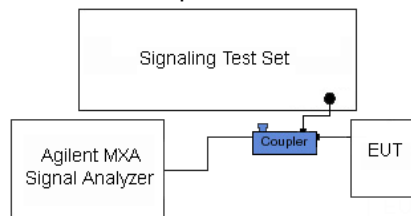
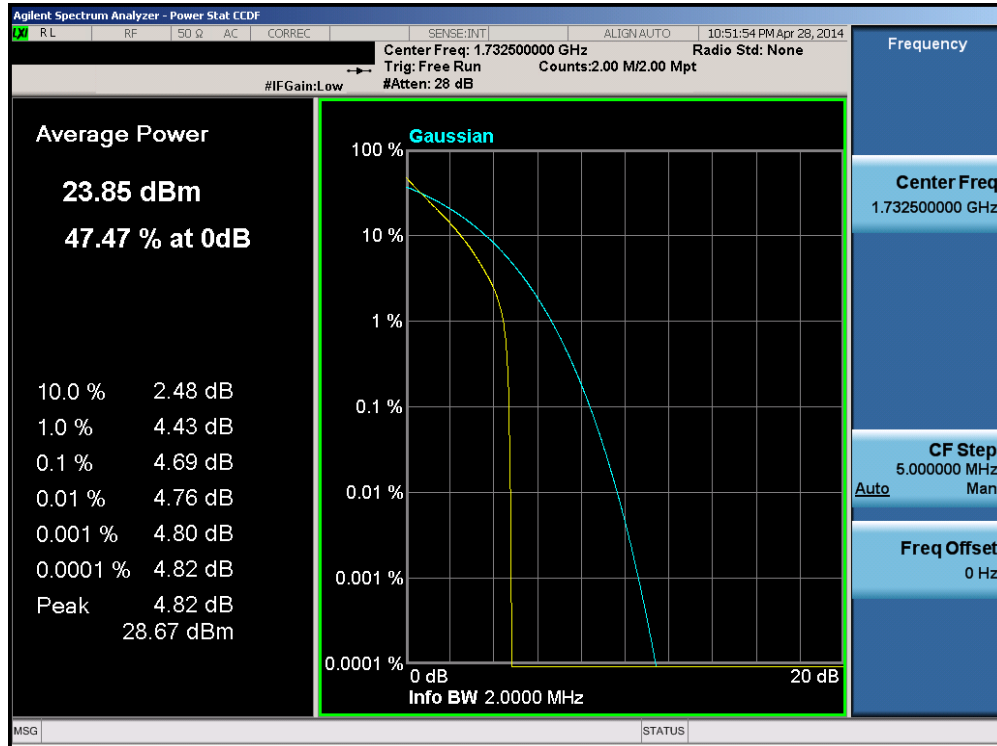


Figure 6-4. Test Instrument & Measurement Setup

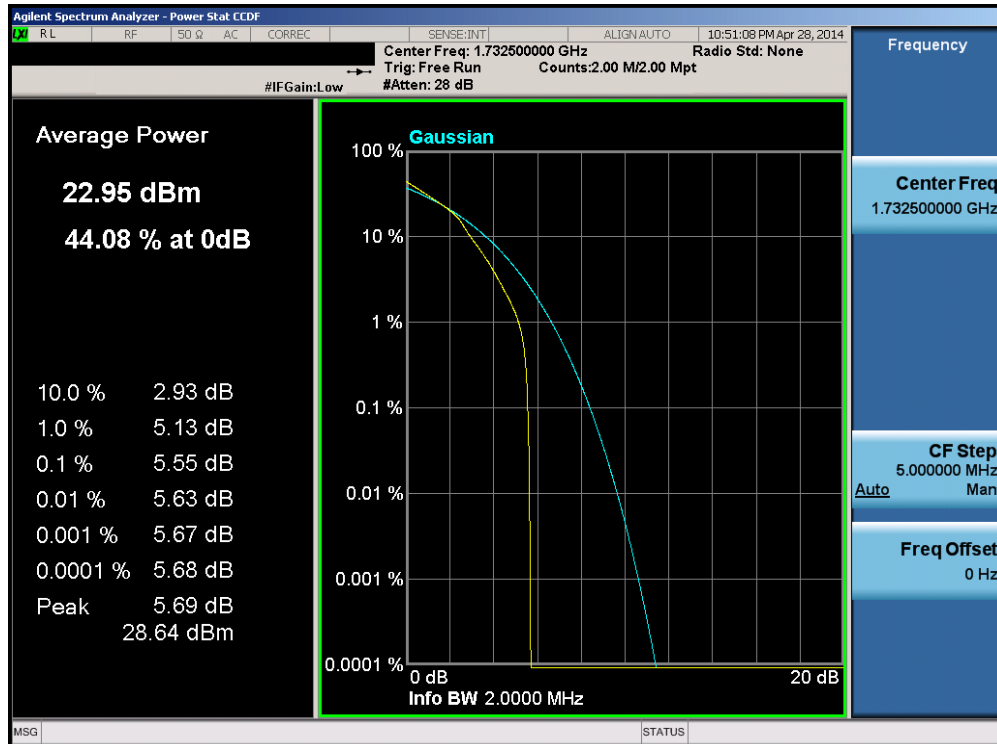
Test Notes

None.

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 84 of 119

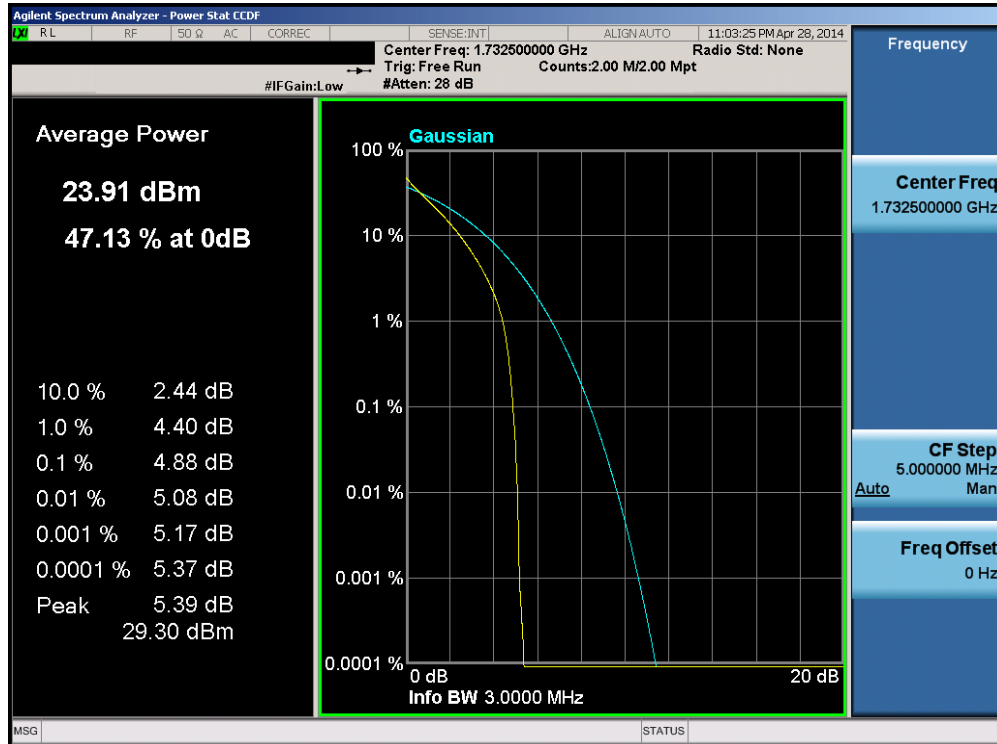


Plot 6-139. PAR Plot (Band 4 – 1.4MHz QPSK – RB Size 6)

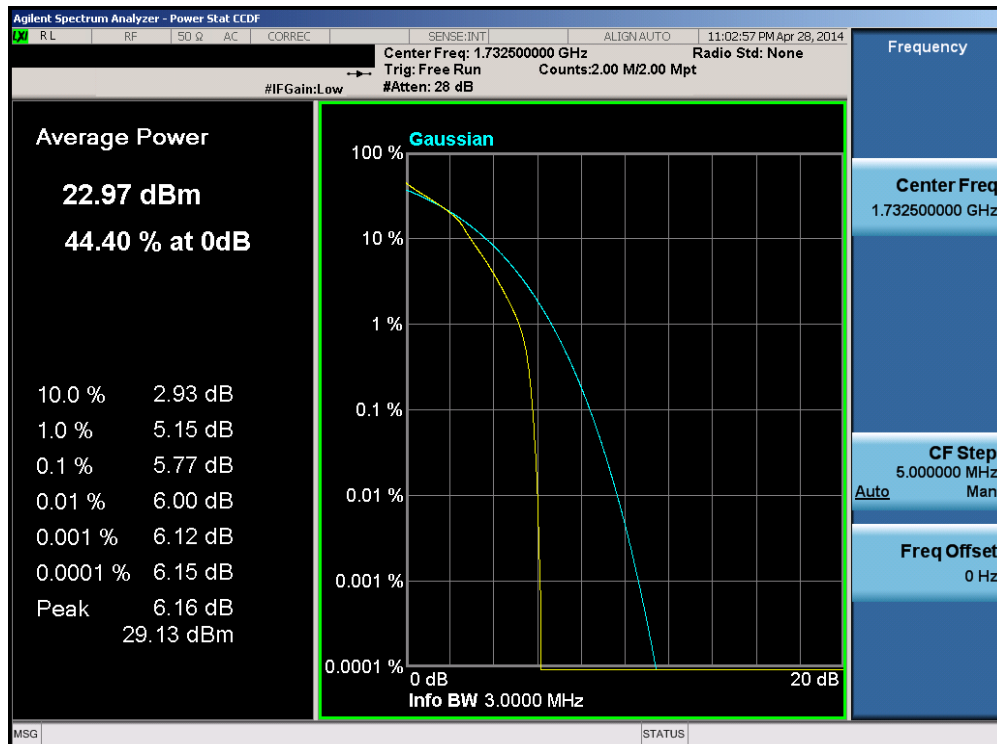


Plot 6-140. PAR Plot (Band 4 – 1.4MHz 16-QAM – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 85 of 119

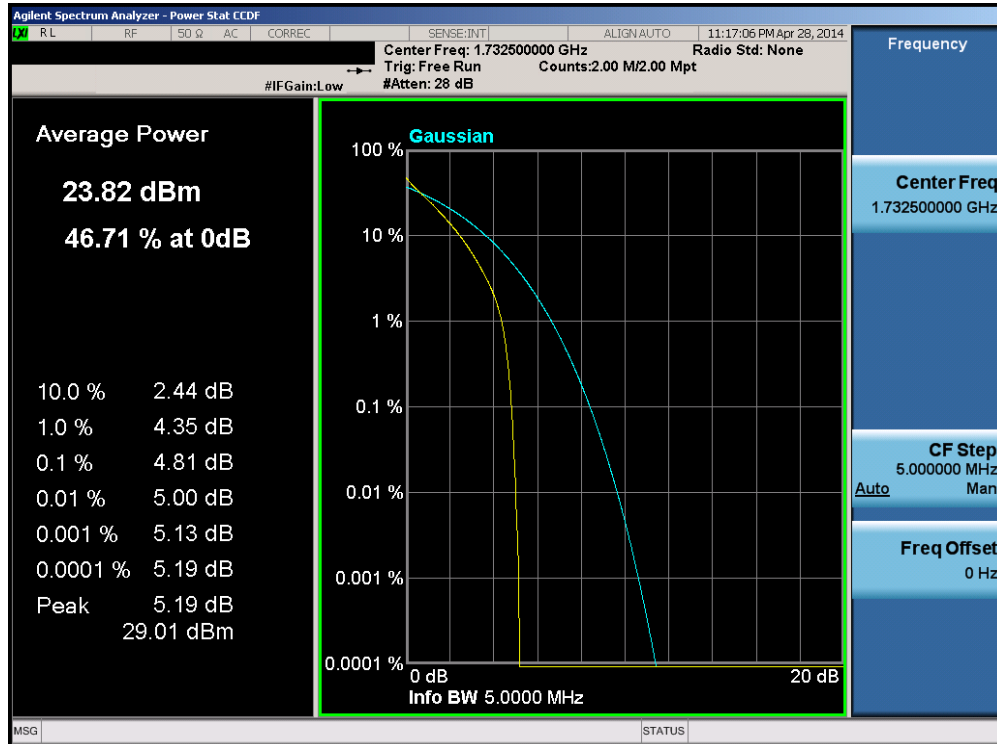


Plot 6-141. PAR Plot (Band 4 – 3.0MHz QPSK – RB Size 15)

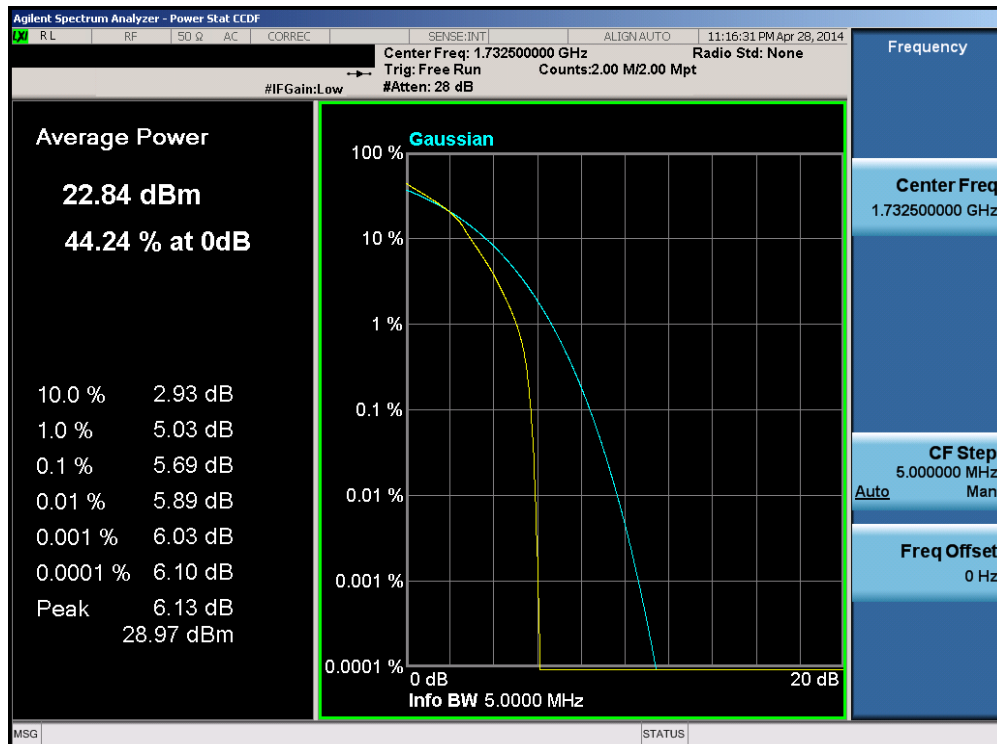


Plot 6-142. PAR Plot (Band 4 – 3.0MHz 16-QAM – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 86 of 119

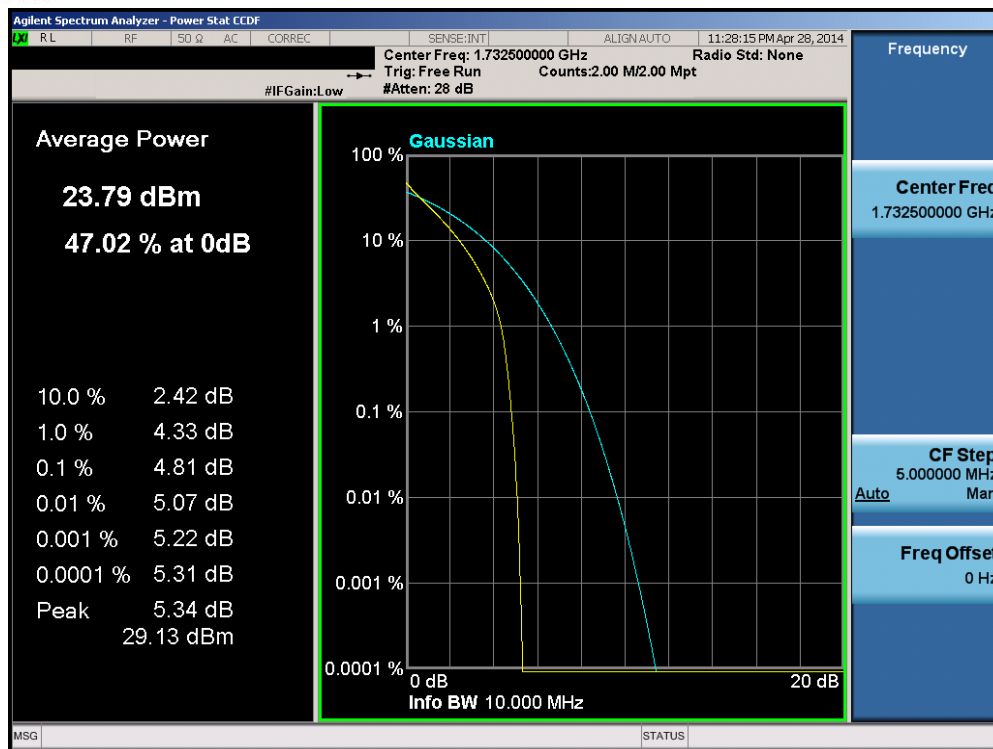


Plot 6-143. PAR Plot (Band 4 – 5.0MHz QPSK – RB Size 25)

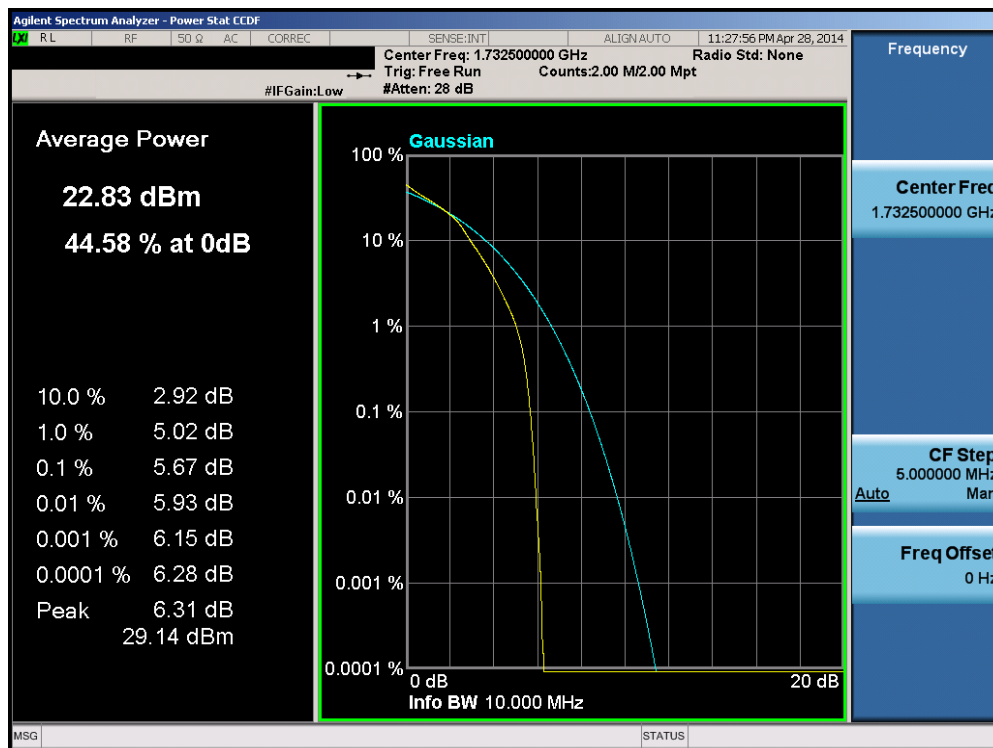


Plot 6-144. PAR Plot (Band 4 – 5.0MHz 16-QAM – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 87 of 119

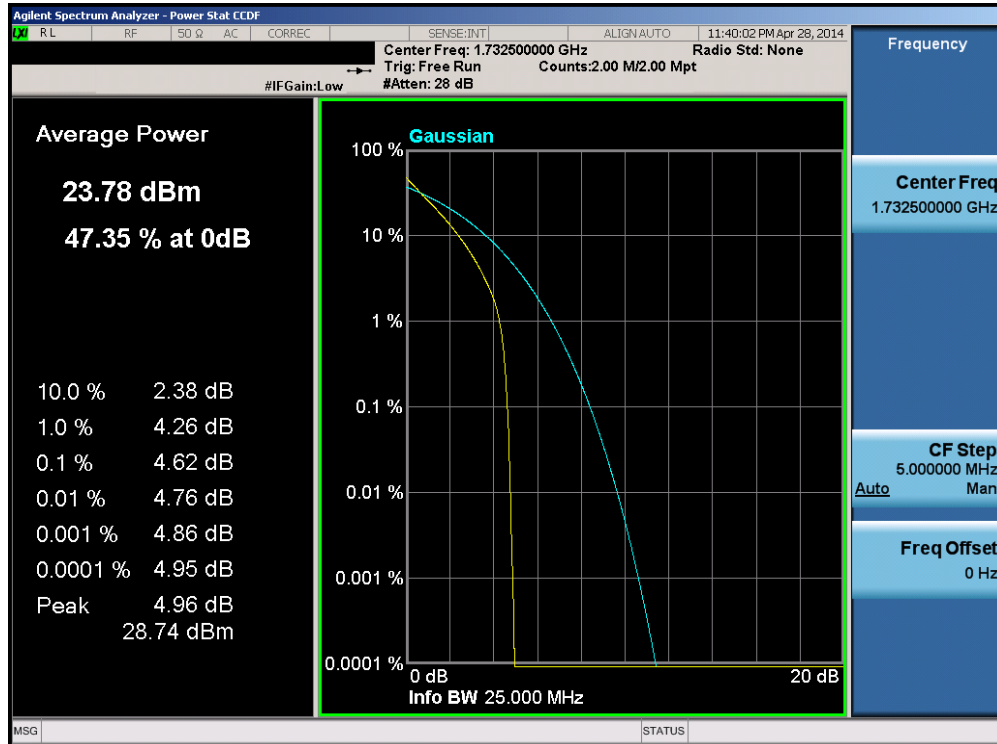


Plot 6-145. PAR Plot (Band 4 – 10.0MHz QPSK – RB Size 50)

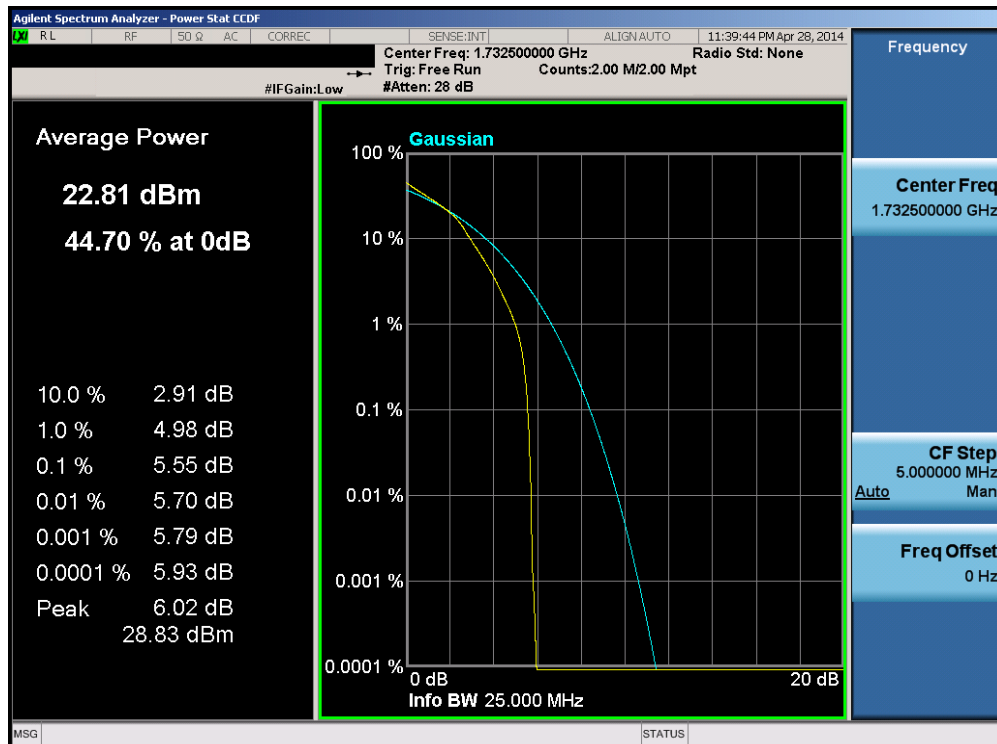


Plot 6-146. PAR Plot (Band 4 – 10.0MHz 16-QAM – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 88 of 119

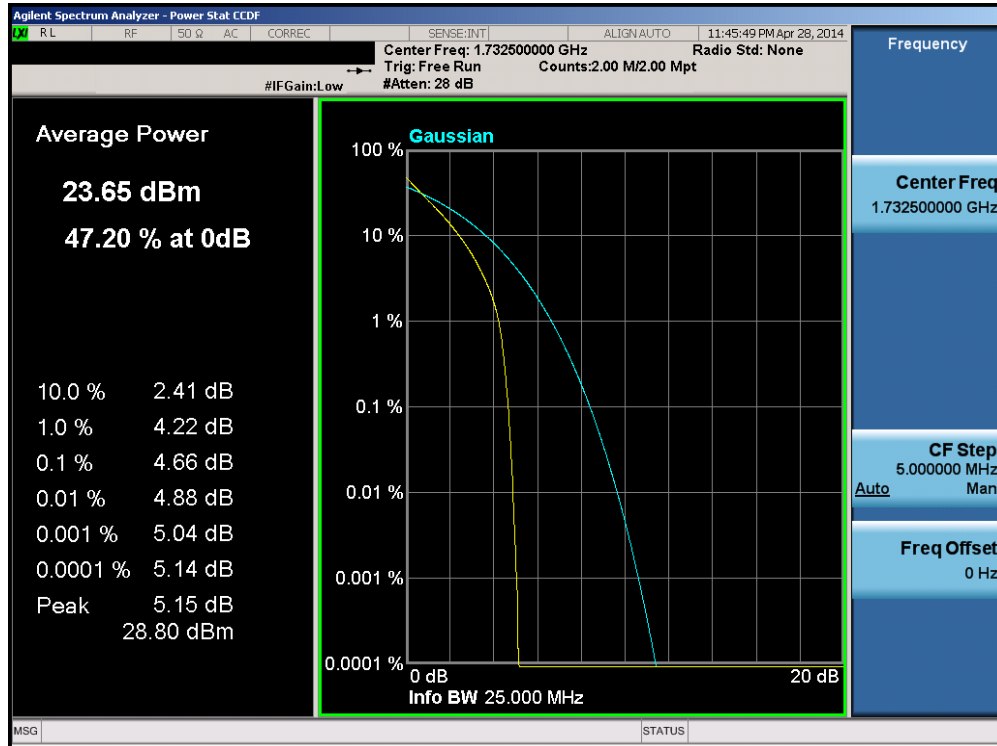


Plot 6-147. PAR Plot (Band 4 – 15.0MHz QPSK – RB Size 75)

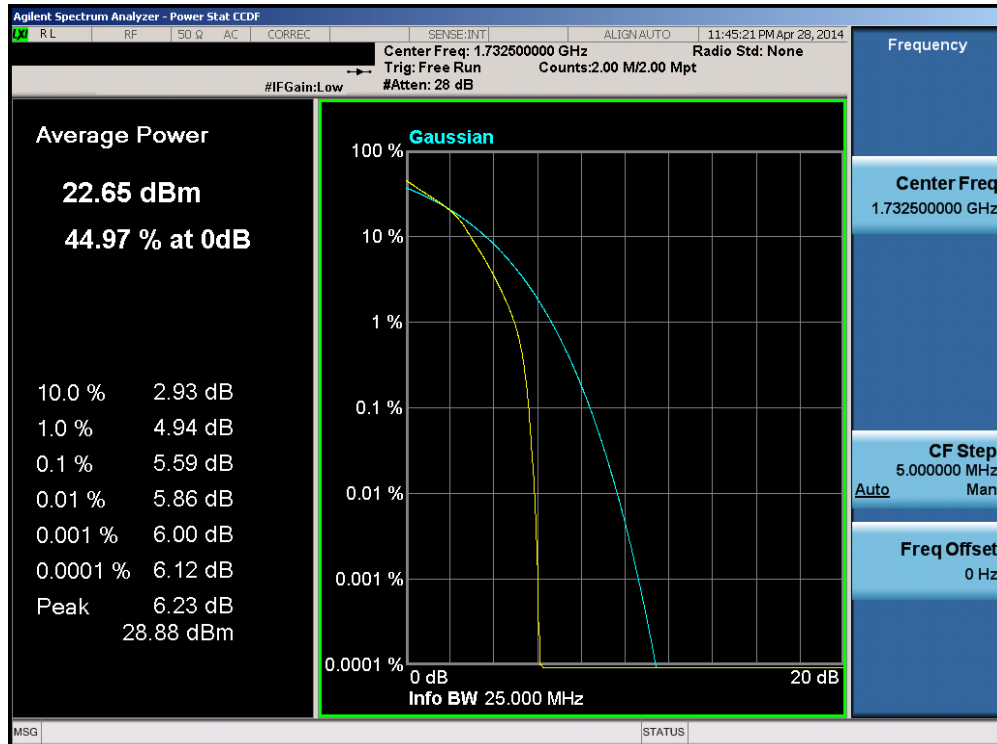


Plot 6-148. PAR Plot (Band 4 – 15.0MHz 16-QAM – RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 89 of 119

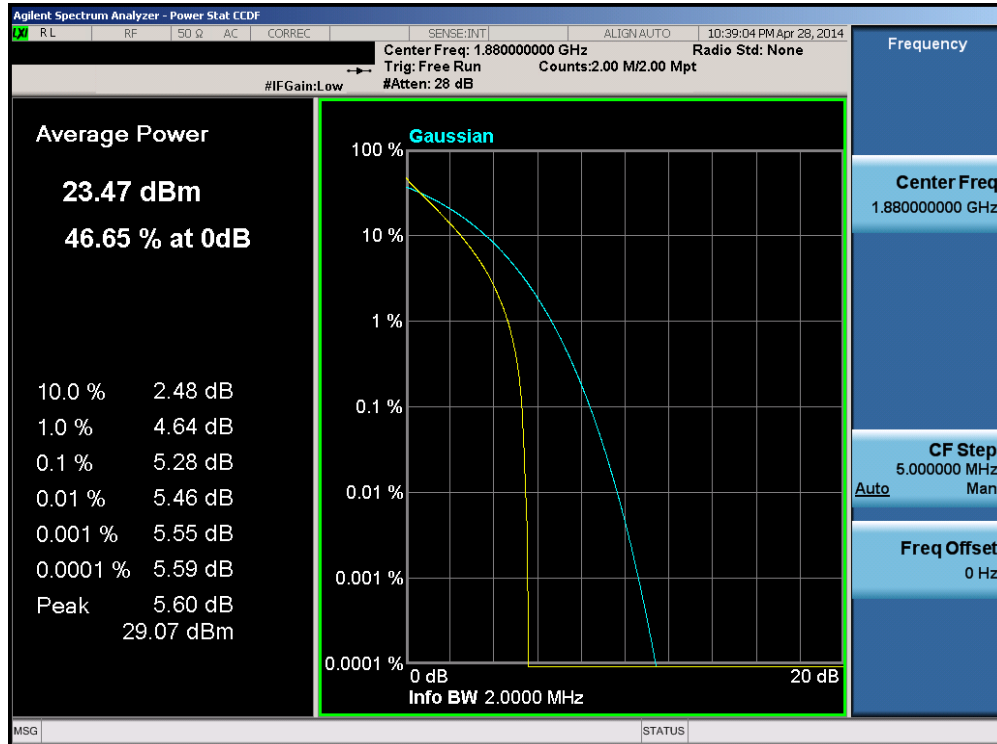


Plot 6-149. PAR Plot (Band 4 – 20.0MHz QPSK – RB Size 100)

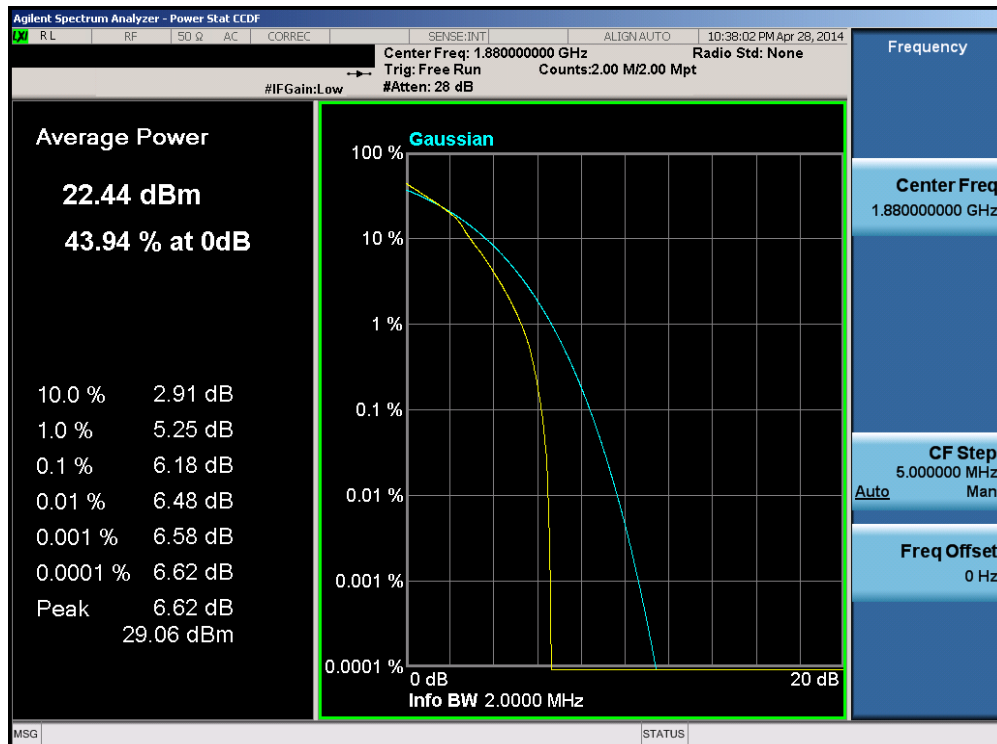


Plot 6-150. PAR Plot (Band 4 – 20.0MHz 16-QAM – RB Size 100)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 90 of 119

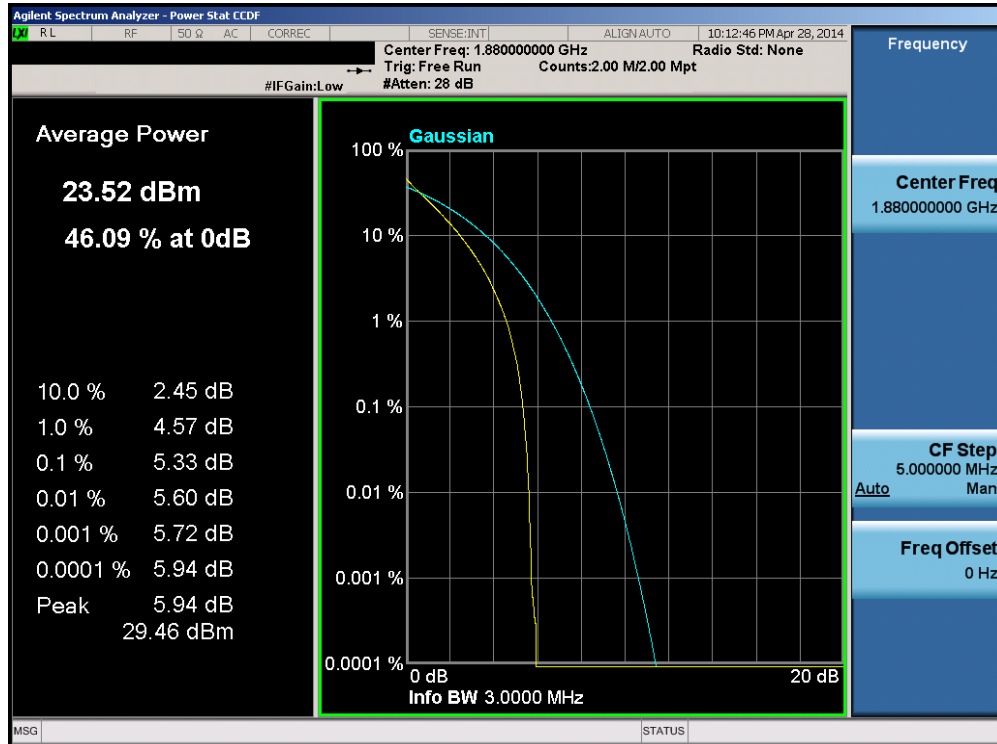


Plot 6-151. PAR Plot (Band 2 – 1.4MHz QPSK – RB Size 6)

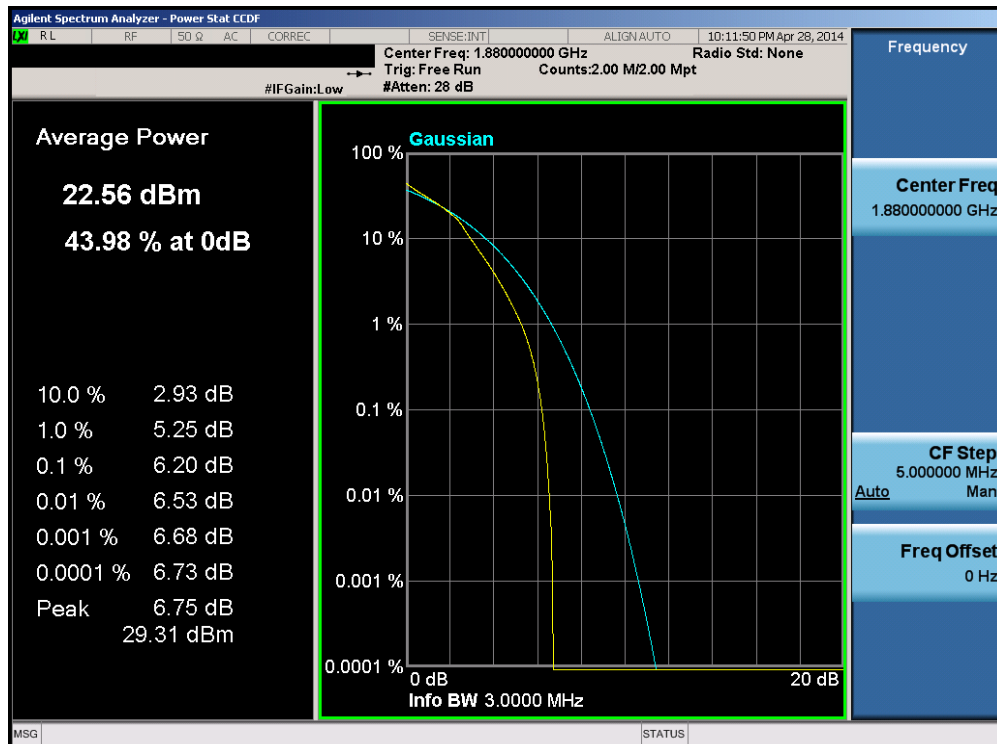


Plot 6-152. PAR Plot (Band 2 – 1.4MHz 16-QAM – RB Size 6)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 91 of 119

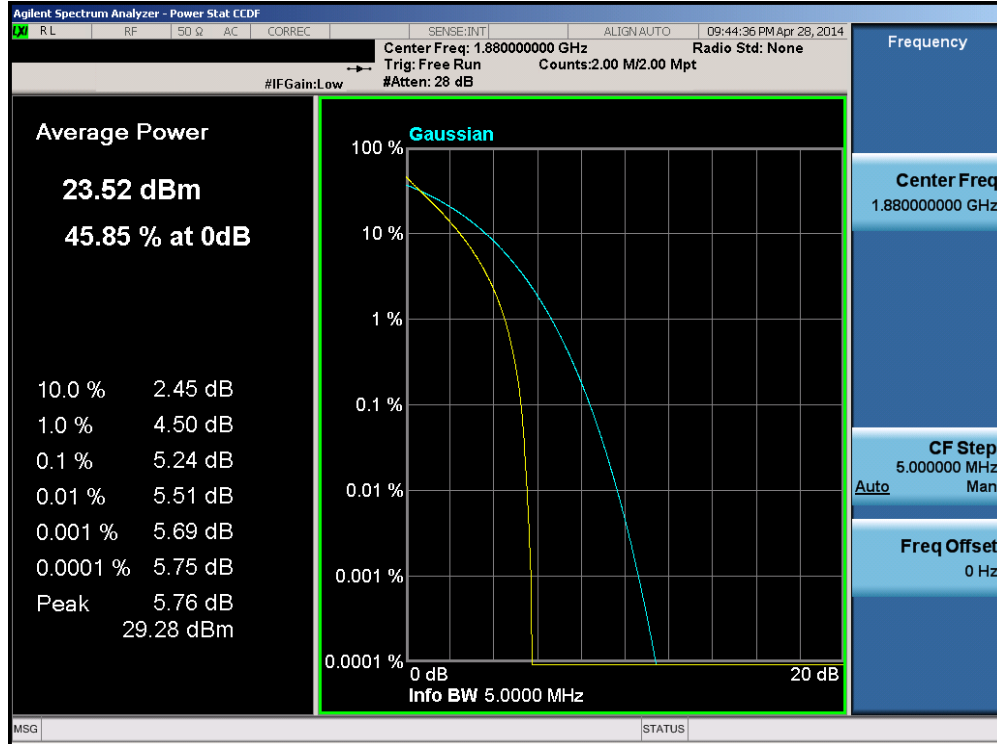


Plot 6-153. PAR Plot (Band 2 – 3.0MHz QPSK – RB Size 15)

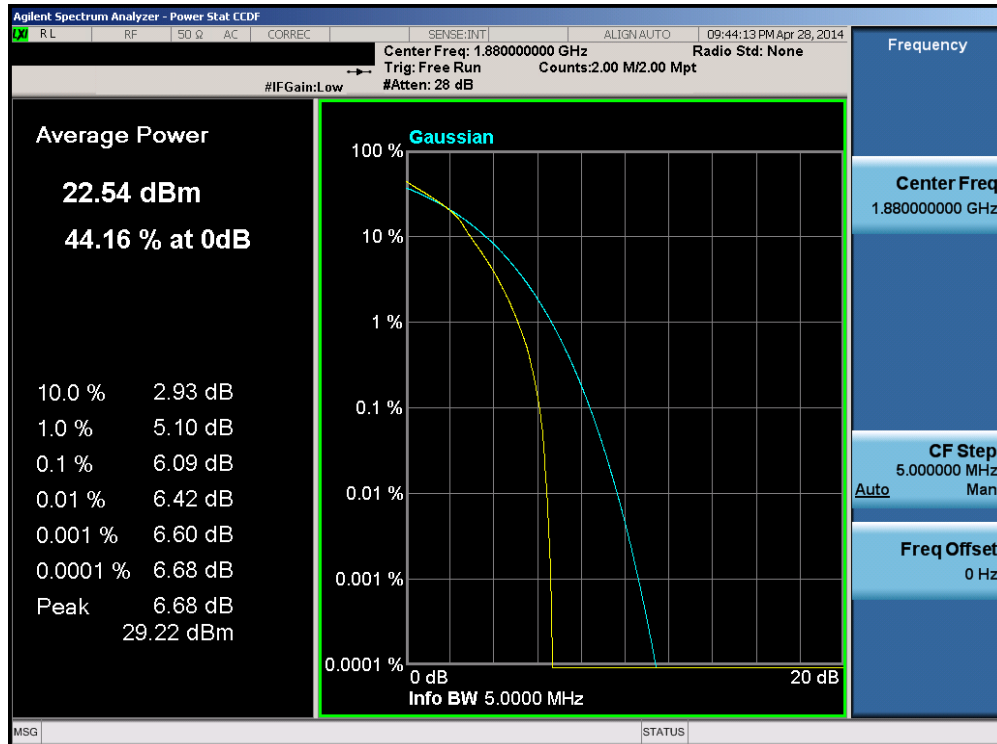


Plot 6-154. PAR Plot (Band 2 – 3.0MHz 16-QAM – RB Size 15)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 92 of 119

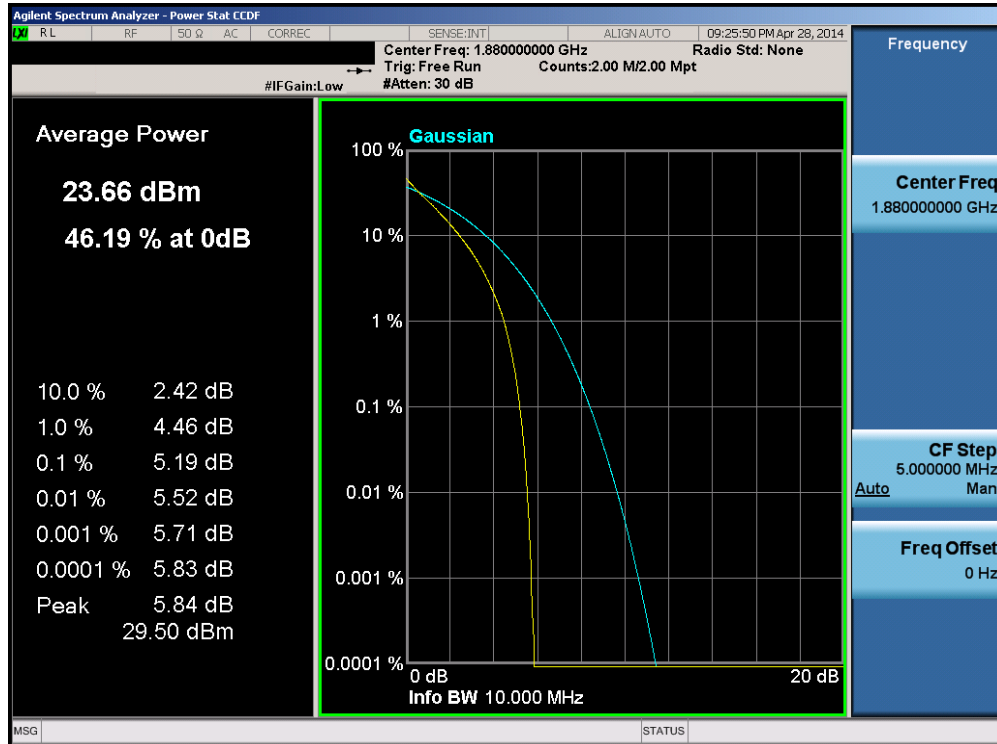


Plot 6-155. PAR Plot (Band 2 – 5.0MHz QPSK – RB Size 25)

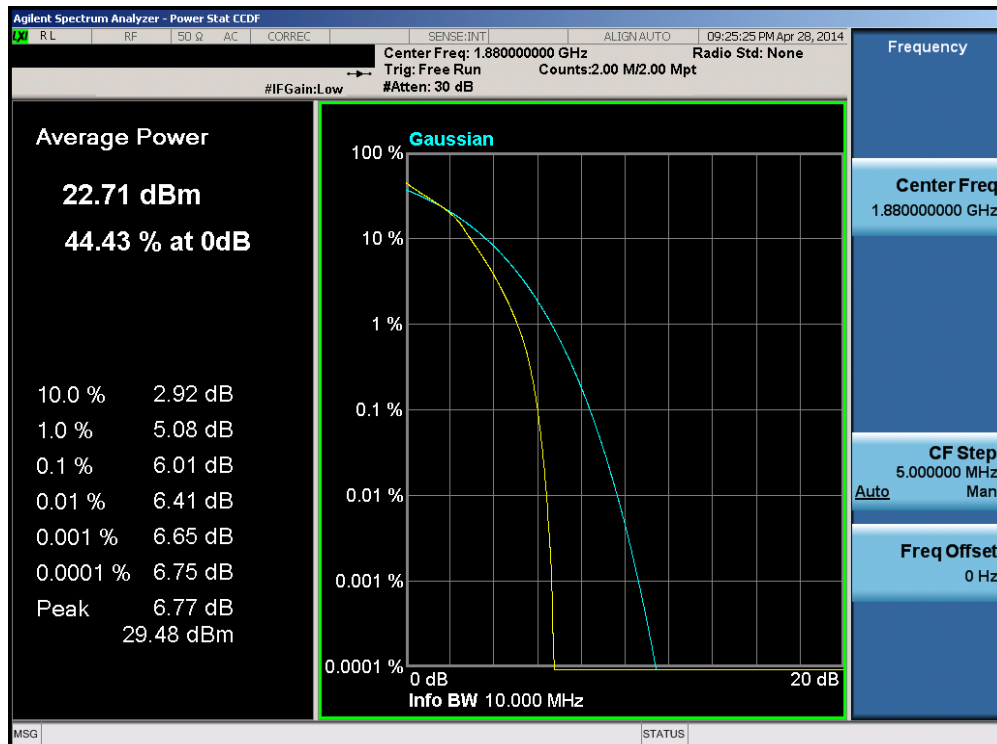


Plot 6-156. PAR Plot (Band 2 – 5.0MHz 16-QAM – RB Size 25)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 93 of 119

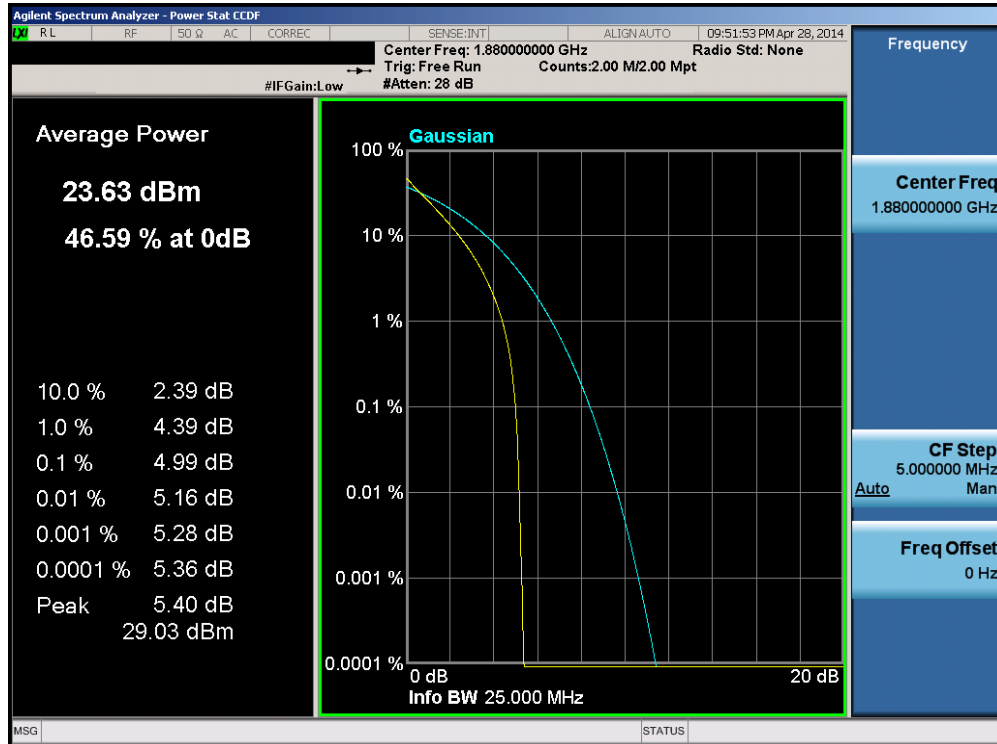


Plot 6-157. PAR Plot (Band 2 – 10.0MHz QPSK – RB Size 50)

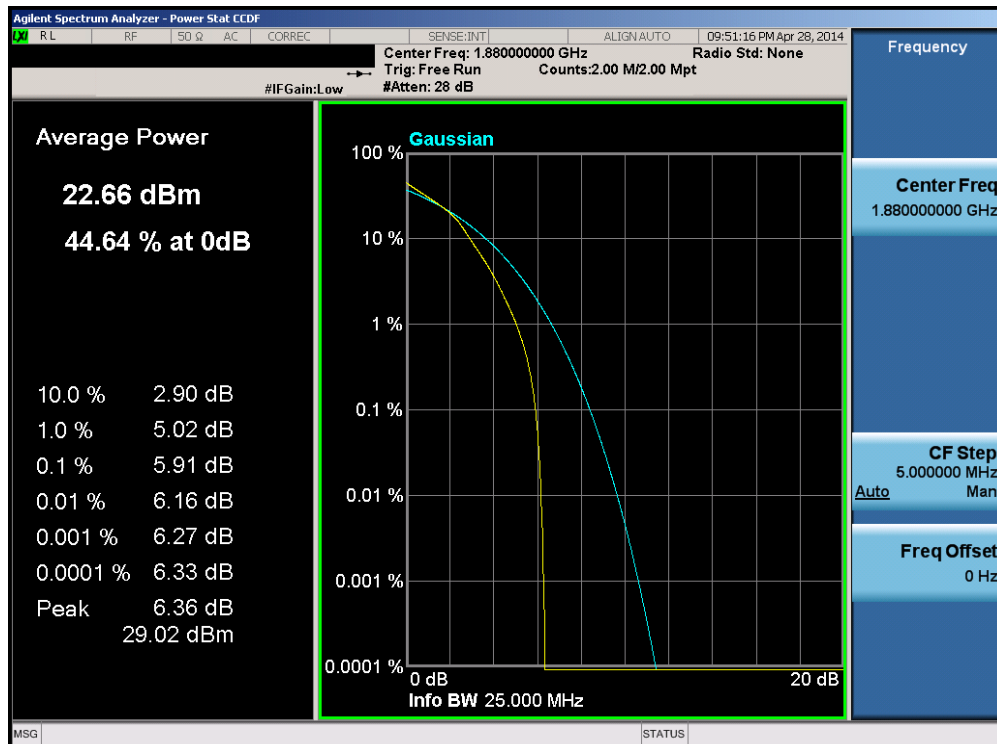


Plot 6-158. PAR Plot (Band 2 – 10.0MHz 16-QAM – RB Size 50)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 94 of 119

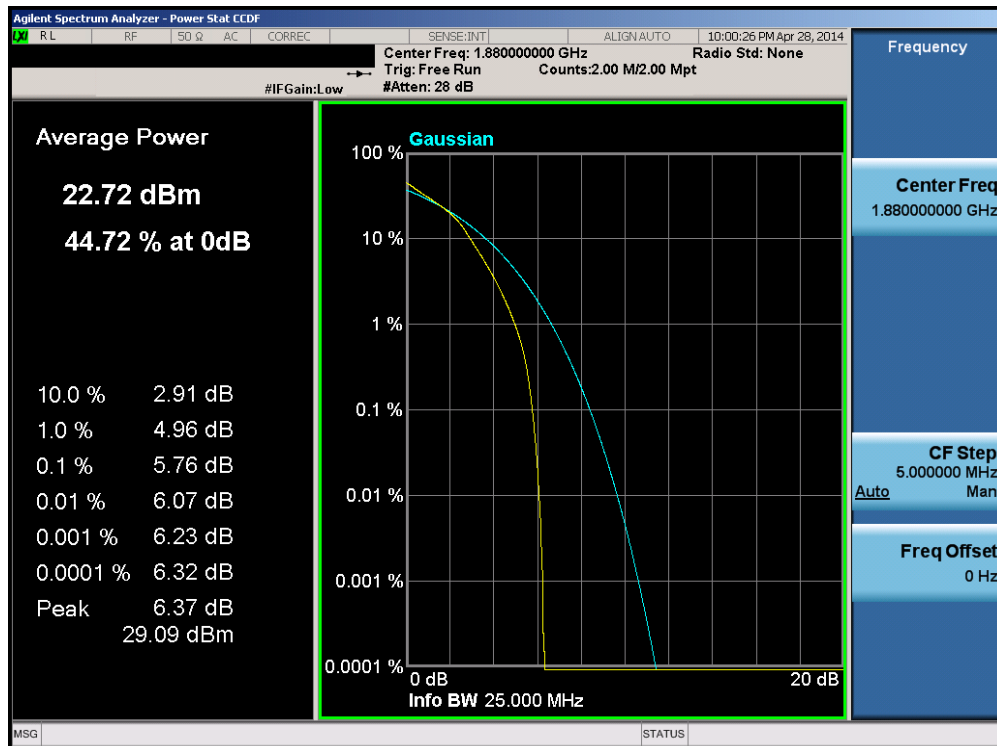
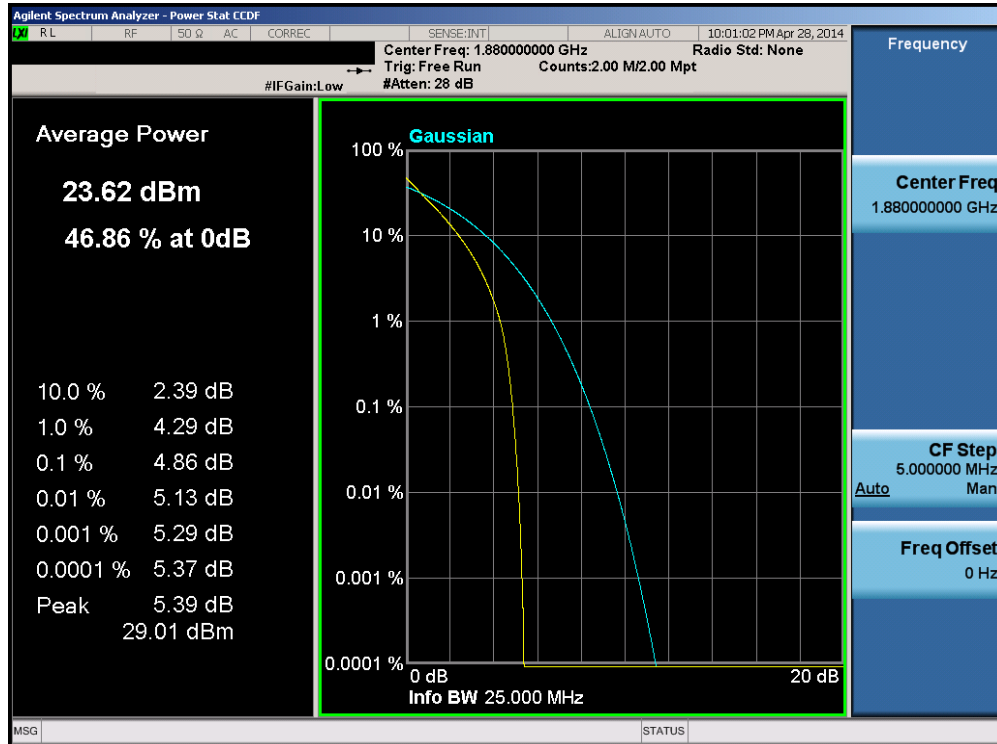


Plot 6-159. PAR Plot (Band 2 – 15.0MHz QPSK – RB Size 75)



Plot 6-160. PAR Plot (Band 2 – 15.0MHz 16-QAM – RB Size 75)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
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FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
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6.6 Radiated Power (ERP/EIRP)

§22.913(a.2) §24.232(c) §27.50(c.10) §27.50(d.4)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-C-2004 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 v02r01 – Section 5.2.1

ANSI/TIA-603-C-2004 – Section 2.2.17

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

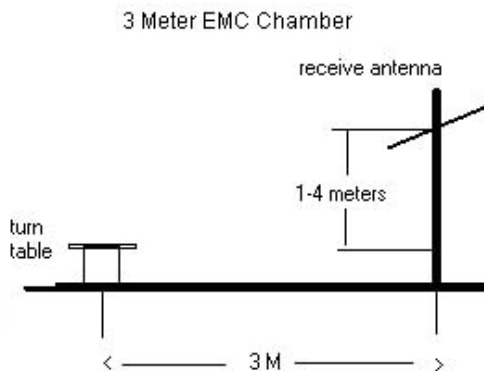


Figure 6-5. Test Instrument & Measurement Setup

Test Notes

- 1) The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Battery	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBd]	Ant. Pol. [H/V]	EUT Pol.	ERP [dBm]	ERP [Watts]	Margin [dB]
706.50	5	QPSK	Standard	1 / 24	17.43	-1.28	V	V	16.15	0.041	-18.62
710.00	5	QPSK	Standard	1 / 24	15.66	-1.29	V	V	14.37	0.027	-20.40
713.50	5	QPSK	Standard	1 / 24	15.72	-1.30	V	V	14.42	0.028	-20.35
706.50	5	16-QAM	Standard	1 / 24	14.35	-1.28	V	V	13.07	0.020	-21.70
710.00	5	16-QAM	Standard	1 / 24	14.58	-1.29	V	V	13.29	0.021	-21.48
713.50	5	16-QAM	Standard	1 / 24	14.70	-1.30	V	V	13.40	0.022	-21.37
709.00	10	QPSK	Standard	1 / 49	16.23	-1.28	V	V	14.95	0.031	-19.82
710.00	10	QPSK	Standard	1 / 49	15.87	-1.29	V	V	14.58	0.029	-20.19
711.00	10	QPSK	Standard	1 / 49	15.73	-1.30	V	V	14.43	0.028	-20.34
709.00	10	16-QAM	Standard	1 / 49	14.70	-1.28	V	V	13.42	0.022	-21.35
710.00	10	16-QAM	Standard	1 / 49	14.96	-1.29	V	V	13.67	0.023	-21.10
711.00	10	16-QAM	Standard	1 / 49	14.97	-1.30	V	V	13.67	0.023	-21.10

Table 6-2. ERP Data (Band 17)

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 98 of 119

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Battery	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBd]	Ant. Pol. [H/V]	EUT Pol.	ERP [dBm]	ERP [Watts]	Margin [dB]
824.70	1.4	QPSK	Standard	1 / 5	21.17	-1.84	V	V	19.33	0.086	-19.12
836.50	1.4	QPSK	Standard	1 / 0	20.18	-1.94	V	V	18.24	0.067	-20.21
848.30	1.4	QPSK	Standard	1 / 0	17.03	-2.04	V	V	14.99	0.032	-23.46
824.70	1.4	16-QAM	Standard	1 / 5	20.36	-1.84	V	V	18.52	0.071	-19.93
836.50	1.4	16-QAM	Standard	1 / 0	19.37	-1.94	V	V	17.43	0.055	-21.02
848.30	1.4	16-QAM	Standard	1 / 0	16.35	-2.04	V	V	14.31	0.027	-24.14
825.50	3	QPSK	Standard	1 / 14	21.94	-1.84	V	V	20.10	0.102	-18.35
836.50	3	QPSK	Standard	1 / 0	20.39	-1.94	V	V	18.45	0.070	-20.00
847.50	3	QPSK	Standard	1 / 0	17.76	-2.04	V	V	15.72	0.037	-22.73
825.50	3	16-QAM	Standard	1 / 14	21.10	-1.84	V	V	19.26	0.084	-19.19
836.50	3	16-QAM	Standard	1 / 0	19.76	-1.94	V	V	17.82	0.061	-20.63
847.50	3	16-QAM	Standard	1 / 0	17.73	-2.04	V	V	15.69	0.037	-22.76
826.50	5	QPSK	Standard	1 / 24	19.73	-1.84	V	V	17.89	0.062	-20.56
836.50	5	QPSK	Standard	1 / 24	18.27	-1.94	V	V	16.33	0.043	-22.12
846.50	5	QPSK	Standard	1 / 0	19.37	-2.04	V	V	17.33	0.054	-21.12
826.50	5	16-QAM	Standard	1 / 24	18.84	-1.84	V	V	17.00	0.050	-21.45
836.50	5	16-QAM	Standard	1 / 24	17.43	-1.94	V	V	15.49	0.035	-22.96
846.50	5	16-QAM	Standard	1 / 0	19.61	-2.04	V	V	17.57	0.057	-20.88
829.00	10	QPSK	Standard	1 / 49	18.63	-1.84	V	V	16.79	0.048	-21.66
836.50	10	QPSK	Standard	1 / 49	18.70	-1.94	V	V	16.76	0.047	-21.69
844.00	10	QPSK	Standard	1 / 49	18.49	-2.04	V	V	16.45	0.044	-22.00
829.00	10	16-QAM	Standard	1 / 49	17.95	-1.84	V	V	16.11	0.041	-22.34
836.50	10	16-QAM	Standard	1 / 49	17.82	-1.94	V	V	15.88	0.039	-22.57
844.00	10	16-QAM	Standard	1 / 0	18.01	-2.04	V	V	15.97	0.040	-22.48

Table 6-3. ERP Data (Band 5)

FCC ID: A3LSMT337A	 FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION) 			Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 99 of 119

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Battery	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	Ant. Pol. [H/V]	EUT Pol.	EIRP [dBm]	EIRP [Watts]	Margin [dB]
1710.70	1.4	QPSK	Standard	3 / 2	14.60	8.21	V	H2	22.81	0.191	-7.19
1732.50	1.4	QPSK	Standard	1 / 5	15.63	8.13	V	H2	23.76	0.238	-6.24
1754.30	1.4	QPSK	Standard	1 / 5	15.28	8.05	V	H2	23.33	0.215	-6.67
1710.70	1.4	16-QAM	Standard	1 / 0	13.82	8.21	V	H2	22.03	0.160	-7.97
1732.50	1.4	16-QAM	Standard	1 / 5	14.79	8.13	V	H2	22.92	0.196	-7.08
1754.30	1.4	16-QAM	Standard	1 / 5	14.49	8.05	V	H2	22.54	0.179	-7.46
1711.50	3	QPSK	Standard	8 / 4	14.58	8.21	V	H2	22.79	0.190	-7.21
1732.50	3	QPSK	Standard	1 / 14	15.46	8.13	V	H2	23.59	0.229	-6.41
1753.50	3	QPSK	Standard	1 / 14	15.32	8.05	V	H2	23.37	0.217	-6.63
1711.50	3	16-QAM	Standard	1 / 0	13.80	8.21	V	H2	22.01	0.159	-7.99
1732.50	3	16-QAM	Standard	1 / 14	14.67	8.13	V	H2	22.80	0.191	-7.20
1753.50	3	16-QAM	Standard	1 / 14	14.52	8.05	V	H2	22.57	0.181	-7.43
1712.50	5	QPSK	Standard	1 / 0	14.52	8.21	V	H2	22.73	0.187	-7.27
1732.50	5	QPSK	Standard	1 / 24	15.57	8.13	V	H2	23.70	0.234	-6.30
1752.50	5	QPSK	Standard	1 / 24	15.07	8.05	V	H2	23.12	0.205	-6.88
1712.50	5	16-QAM	Standard	1 / 0	13.74	8.21	V	H2	21.95	0.157	-8.05
1732.50	5	16-QAM	Standard	1 / 24	14.55	8.13	V	H2	22.68	0.185	-7.32
1752.50	5	16-QAM	Standard	1 / 24	14.44	8.05	V	H2	22.49	0.177	-7.51
1715.00	10	QPSK	Standard	1 / 0	14.18	8.21	V	H2	22.39	0.173	-7.61
1732.50	10	QPSK	Standard	1 / 49	15.93	8.13	V	H2	24.06	0.255	-5.94
1750.00	10	QPSK	Standard	1 / 49	15.12	8.05	V	H2	23.17	0.207	-6.83
1715.00	10	16-QAM	Standard	1 / 0	13.46	8.21	V	H2	21.67	0.147	-8.33
1732.50	10	16-QAM	Standard	1 / 49	15.17	8.13	V	H2	23.30	0.214	-6.70
1750.00	10	16-QAM	Standard	1 / 49	14.32	8.05	V	H2	22.37	0.173	-7.63
1717.50	15	QPSK	Standard	1 / 74	14.76	8.21	V	H2	22.97	0.198	-7.03
1732.50	15	QPSK	Standard	1 / 0	14.46	8.13	V	H2	22.59	0.182	-7.41
1747.50	15	QPSK	Standard	1 / 0	15.79	8.05	V	H2	23.84	0.242	-6.16
1717.50	15	16-QAM	Standard	1 / 74	13.91	8.21	V	H2	22.12	0.163	-7.88
1732.50	15	16-QAM	Standard	1 / 0	13.70	8.13	V	H2	21.83	0.152	-8.17
1747.50	15	16-QAM	Standard	1 / 0	14.98	8.05	V	H2	23.03	0.201	-6.97
1720.00	20	QPSK	Standard	1 / 99	14.89	8.21	V	H2	23.10	0.204	-6.90
1732.50	20	QPSK	Standard	1 / 99	14.74	8.13	V	H2	22.87	0.194	-7.13
1745.00	20	QPSK	Standard	1 / 0	15.52	8.05	V	H2	23.57	0.228	-6.43
1720.00	20	16-QAM	Standard	1 / 99	14.12	8.21	V	H2	22.33	0.171	-7.67
1732.50	20	16-QAM	Standard	1 / 99	14.00	8.13	V	H2	22.13	0.163	-7.87
1745.00	20	16-QAM	Standard	1 / 0	14.80	8.05	V	H2	22.85	0.193	-7.15

Table 6-4. EIRP Data (Band 4)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer	Page 100 of 119	

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Battery	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	Ant. Pol. [H/V]	EUT Pol.	EIRP [dBm]	EIRP [Watts]	Margin [dB]
1850.70	1.4	QPSK	Standard	3 / 2	15.69	7.98	V	H2	23.67	0.233	-9.34
1880.00	1.4	QPSK	Standard	3 / 2	15.38	8.02	V	H2	23.40	0.219	-9.61
1909.30	1.4	QPSK	Standard	1 / 0	15.50	8.10	V	H2	23.60	0.229	-9.41
1850.70	1.4	16-QAM	Standard	1 / 0	14.83	7.98	V	H2	22.81	0.191	-10.20
1880.00	1.4	16-QAM	Standard	1 / 0	14.57	8.02	V	H2	22.59	0.182	-10.42
1909.30	1.4	16-QAM	Standard	1 / 0	14.82	8.10	V	H2	22.92	0.196	-10.09
1851.50	3	QPSK	Standard	1 / 0	15.71	7.98	V	H2	23.69	0.234	-9.32
1880.00	3	QPSK	Standard	1 / 14	15.48	8.02	V	H2	23.50	0.224	-9.51
1908.50	3	QPSK	Standard	1 / 0	15.35	8.10	V	H2	23.45	0.221	-9.56
1851.50	3	16-QAM	Standard	1 / 0	14.97	7.98	V	H2	22.95	0.197	-10.06
1880.00	3	16-QAM	Standard	1 / 14	14.50	8.02	V	H2	22.52	0.179	-10.49
1908.50	3	16-QAM	Standard	1 / 0	15.00	8.10	V	H2	23.10	0.204	-9.91
1852.50	5	QPSK	Standard	1 / 24	14.73	7.98	V	H2	22.71	0.186	-10.30
1880.00	5	QPSK	Standard	1 / 24	15.54	8.02	V	H2	23.56	0.227	-9.45
1907.50	5	QPSK	Standard	1 / 0	15.64	8.10	V	H2	23.74	0.236	-9.27
1852.50	5	16-QAM	Standard	1 / 24	13.91	7.98	V	H2	21.89	0.154	-11.12
1880.00	5	16-QAM	Standard	1 / 24	14.34	8.02	V	H2	22.36	0.172	-10.65
1907.50	5	16-QAM	Standard	1 / 0	14.48	8.10	V	H2	22.58	0.181	-10.43
1855.00	10	QPSK	Standard	1 / 0	12.76	9.59	V	H2	22.35	0.172	-10.66
1880.00	10	QPSK	Standard	1 / 49	12.70	9.53	V	H2	22.23	0.167	-10.78
1905.00	10	QPSK	Standard	1 / 0	11.87	9.48	V	H2	21.35	0.136	-11.66
1855.00	10	16-QAM	Standard	1 / 0	12.06	9.59	V	H2	21.65	0.146	-11.36
1880.00	10	16-QAM	Standard	1 / 49	11.39	9.53	V	H2	20.92	0.124	-12.09
1905.00	10	16-QAM	Standard	1 / 0	11.13	9.48	V	H2	20.61	0.115	-12.40
1857.50	15	QPSK	Standard	1 / 0	15.40	7.98	V	H2	23.38	0.218	-9.63
1880.00	15	QPSK	Standard	1 / 0	16.33	8.02	V	H2	24.35	0.272	-8.66
1902.50	15	QPSK	Standard	1 / 74	15.63	8.10	V	H2	23.73	0.236	-9.28
1857.50	15	16-QAM	Standard	1 / 0	14.65	7.98	V	H2	22.63	0.183	-10.38
1880.00	15	16-QAM	Standard	1 / 0	15.52	8.02	V	H2	23.54	0.226	-9.47
1902.50	15	16-QAM	Standard	1 / 74	14.94	8.10	V	H2	23.04	0.201	-9.97
1860.00	20	QPSK	Standard	1 / 99	15.70	7.98	V	H2	23.68	0.233	-9.33
1880.00	20	QPSK	Standard	1 / 0	15.85	8.02	V	H2	23.87	0.244	-9.14
1900.00	20	QPSK	Standard	1 / 0	14.63	8.10	V	H2	22.73	0.187	-10.28
1860.00	20	16-QAM	Standard	1 / 99	14.93	7.98	V	H2	22.91	0.195	-10.10
1880.00	20	16-QAM	Standard	1 / 0	14.85	8.02	V	H2	22.87	0.194	-10.14
1900.00	20	16-QAM	Standard	1 / 0	13.73	8.10	V	H2	21.83	0.152	-11.18

Table 6-5. EIRP Data (Band 2)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 101 of 119

6.7 Radiated Spurious Emissions Measurements

§2.1053 §22.917(a) §24.238(a) §27.53(f) §27.53(g) §27.53(h)

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-C-2004 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 v02r01 – Section 5.8

ANSI/TIA-603-C-2004 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = Peak
6. Trace mode = max hold
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

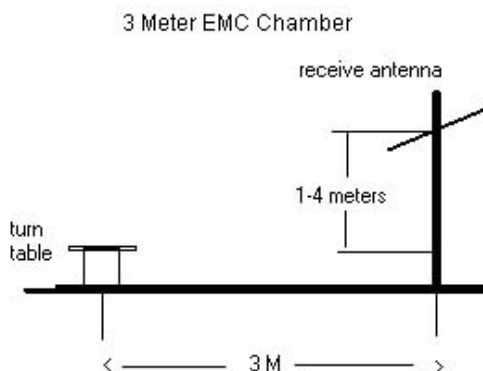


Figure 6-6. Test Instrument & Measurement Setup

FCC ID: A3LSMT337A	PCTEST ENGINEERING LABORATORY, INC.	FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 102 of 119

Test Notes

- 1) The worst case emissions are reported with the EUT positioning, modulations, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) The worst case setup is reported in the tables below.

OPERATING FREQUENCY: 706.50 MHz
 CHANNEL: 23755
 MEASURED OUTPUT POWER: 16.15 dBm = 0.041 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5.0 MHz
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 29.15 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1413.00	-55.88	2.56	-53.31	H	H	69.5
2119.50	-52.49	3.01	-49.48	H	H	65.6
2826.00	-52.33	4.74	-47.59	H	H	63.7
3532.50	-52.56	6.28	-46.28	H	H	62.4
4239.00	-51.45	7.14	-44.31	H	H	60.5
4945.50	-51.30	7.87	-43.43	H	H	59.6

Table 6-6. Radiated Spurious Data (Band 17 – Low Channel)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 103 of 119

OPERATING FREQUENCY: 710.00 MHz
 CHANNEL: 23790
 MEASURED OUTPUT POWER: 14.37 dBm = 0.027 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 27.37 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1420.00	-54.10	2.64	-51.46	H	H	65.8
2130.00	-54.33	3.04	-51.28	H	H	65.7
2840.00	-54.04	4.73	-49.30	H	H	63.7
3550.00	-54.59	6.30	-48.30	H	H	62.7
4260.00	-53.89	7.16	-46.73	H	H	61.1
4970.00	-53.35	7.93	-45.43	H	H	59.8

Table 6-7. Radiated Spurious Data (Band 17 – Mid Channel)

OPERATING FREQUENCY: 713.50 MHz
 CHANNEL: 23825
 MEASURED OUTPUT POWER: 14.42 dBm = 0.028 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 5
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 27.42 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1427.00	-56.15	2.72	-53.43	H	H	67.8
2140.50	-54.37	3.07	-51.30	H	H	65.7
2854.00	-54.01	4.73	-49.28	H	H	63.7
3567.50	-54.25	6.31	-47.94	H	H	62.4
4281.00	-53.39	7.18	-46.21	H	H	60.6
4994.50	-53.28	7.98	-45.30	H	H	59.7

Table 6-8. Radiated Spurious Data (Band 17 – High Channel)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 104 of 119

OPERATING FREQUENCY: 825.50 MHz
 CHANNEL: 20415
 MEASURED OUTPUT POWER: 20.10 dBm = 0.102 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 3.0 MHz
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 33.10 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1651.00	-57.36	3.61	-53.75	H	H	73.9
2476.50	-53.38	3.57	-49.81	H	H	69.9
3302.00	-54.05	5.67	-48.38	H	H	68.5
4127.50	-54.03	6.92	-47.11	H	H	67.2
4953.00	-53.35	7.89	-45.46	H	H	65.6
5778.50	-52.64	8.64	-44.00	H	H	64.1

Table 6-9. Radiated Spurious Data (Band 5 – Low Channel)

OPERATING FREQUENCY: 836.50 MHz
 CHANNEL: 20525
 MEASURED OUTPUT POWER: 18.45 dBm = 0.070 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 3
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 31.45 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1673.00	-56.85	3.53	-53.32	H	H	71.8
2509.50	-52.76	3.57	-49.19	H	H	67.6
3346.00	-53.41	5.78	-47.62	H	H	66.1
4182.50	-52.69	7.05	-45.64	H	H	64.1
5019.00	-52.24	8.01	-44.24	H	H	62.7
5855.50	-50.91	8.61	-42.30	H	H	60.8

Table 6-10. Radiated Spurious Data (Band 5 – Mid Channel)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
Test Report S/N: 0Y1405161023.A3L	Test Dates: 4/22 - 5/12/2014	EUT Type: Portable Tablet Computer		Page 105 of 119

OPERATING FREQUENCY: 847.50 MHz
 CHANNEL: 20635
 MEASURED OUTPUT POWER: 15.72 dBm = 0.037 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 3
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 28.72 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBd]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
1695.00	-52.30	3.45	-48.85	H	H	64.6
2542.50	-52.71	3.64	-49.07	H	H	64.8
3390.00	-53.66	5.90	-47.76	H	H	63.5
4237.50	-52.57	7.13	-45.44	H	H	61.2
5085.00	-52.62	8.05	-44.57	H	H	60.3

Table 6-11. Radiated Spurious Data (Band 5 – High Channel)

OPERATING FREQUENCY: 1715.00 MHz
 CHANNEL: 20000
 MEASURED OUTPUT POWER: 22.39 dBm = 0.173 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 35.39 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3430.00	-51.95	8.17	-43.78	H	H	66.2
5145.00	-55.74	10.28	-45.46	H	H	67.8
6860.00	-54.16	11.40	-42.76	H	H	65.2
8575.00	-53.77	13.02	-40.74	H	H	63.1
10290.00	-53.59	13.26	-40.33	H	H	62.7

Table 6-12. Radiated Spurious Data (Band 4 – Low Channel)

OPERATING FREQUENCY: 1732.50 MHz
 CHANNEL: 20175
 MEASURED OUTPUT POWER: 24.06 dBm = 0.255 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 37.06 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3465.00	-52.18	8.29	-43.89	H	H	68.0
5197.50	-55.78	10.35	-45.43	H	H	69.5
6930.00	-54.50	11.49	-43.02	H	H	67.1
8662.50	-53.45	13.02	-40.43	H	H	64.5
10395.00	-53.38	13.16	-40.22	H	H	64.3

Table 6-13. Radiated Spurious Data (Band 4 – Mid Channel)

OPERATING FREQUENCY: 1750.00 MHz
 CHANNEL: 20350
 MEASURED OUTPUT POWER: 23.17 dBm = 0.207 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 36.17 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3500.00	-57.61	8.40	-49.21	H	H	72.4
5250.00	-57.91	10.36	-47.56	H	H	70.7
7000.00	-56.31	11.55	-44.76	H	H	67.9
8750.00	-55.33	13.02	-42.31	H	H	65.5
10500.00	-54.86	13.01	-41.85	H	H	65.0

Table 6-14. Radiated Spurious Data (Band 4 – High Channel)

OPERATING FREQUENCY: 1857.50 MHz
 CHANNEL: 18675
 MEASURED OUTPUT POWER: 23.38 dBm = 0.218 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 15.0 MHz
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 36.38 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3715.00	-54.19	8.40	-45.80	H	H	69.2
5572.50	-56.69	10.60	-46.09	H	H	69.5
7430.00	-56.54	12.06	-44.48	H	H	67.9
9287.50	-55.62	13.22	-42.40	H	H	65.8
11145.00	-54.84	13.27	-41.57	H	H	64.9
13002.50	-53.63	13.47	-40.16	H	H	63.5
14860.00	-52.09	14.12	-37.96	H	H	61.3

Table 6-15. Radiated Spurious Data (Band 2 – Low Channel)

OPERATING FREQUENCY: 1880.00 MHz
 CHANNEL: 18900
 MEASURED OUTPUT POWER: 24.35 dBm = 0.272 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 15
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 37.35 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3760.00	-56.72	8.38	-48.34	H	H	72.7
5640.00	-56.07	10.70	-45.38	H	H	69.7
7520.00	-54.31	12.10	-42.21	H	H	66.6
9400.00	-54.06	13.19	-40.87	H	H	65.2
11280.00	-52.89	13.31	-39.58	H	H	63.9
13160.00	-51.75	13.57	-38.18	H	H	62.5

Table 6-16. Radiated Spurious Data (Band 2 – Mid Channel)

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OPERATING FREQUENCY: 1902.50 MHz
 CHANNEL: 19125
 MEASURED OUTPUT POWER: 23.73 dBm = 0.236 W
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 15
 DISTANCE: 3 meters
 LIMIT: $43 + 10 \log_{10}(W) =$ 36.73 dBc

Frequency [MHz]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Ant. Pol. [H/V]	EUT Pol. [H/H2/V]	[dBc]
3805.00	-51.91	8.38	-43.53	H	H	67.3
5707.50	-55.32	10.75	-44.58	H	H	68.3
7610.00	-55.63	12.19	-43.44	H	H	67.2
9512.50	-55.04	13.19	-41.85	H	H	65.6
11415.00	-53.85	13.32	-40.53	H	H	64.3
13317.50	-52.34	13.56	-38.78	H	H	62.5

Table 6-17. Radiated Spurious Data (Band 2 – High Channel)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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6.8 Frequency Stability / Temperature Variation

\$2.1055 \$22.355 \$24.235 \$27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-C-2004. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24 and Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI/TIA-603-C-2004

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

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Band 17 Frequency Stability Measurements

§2.1055 §27.54

OPERATING FREQUENCY: 710,000,000 Hz
 CHANNEL: 23090
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	709,999,991	-9	-0.0000012
100 %		- 30	709,999,994	-6	-0.0000008
100 %		- 20	709,999,995	-5	-0.0000007
100 %		- 10	709,999,985	-15	-0.0000021
100 %		0	709,999,992	-8	-0.0000011
100 %		+ 10	709,999,986	-14	-0.0000019
100 %		+ 20	709,999,996	-4	-0.0000006
100 %		+ 30	709,999,993	-7	-0.0000010
100 %		+ 40	709,999,994	-6	-0.0000009
100 %		+ 50	709,999,980	-20	-0.0000028
115 %	4.37	+ 20	709,999,985	-15	-0.0000021
BATT. ENDPOINT	3.40	+ 20	709,999,991	-9	-0.0000013

Table 6-18. Frequency Stability Data (Band 17)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 17 Frequency Stability Measurements

§2.1055 §27.54

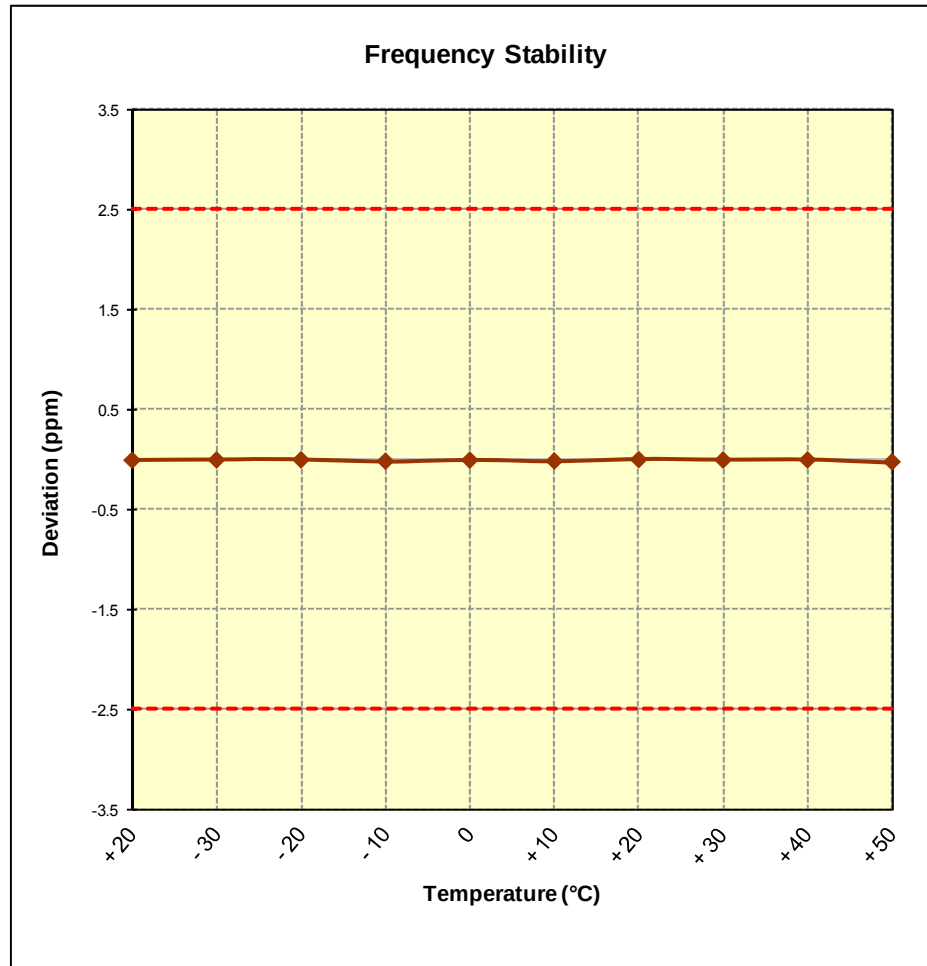


Figure 6-7. Frequency Stability Graph (Band 17)

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Band 5 Frequency Stability Measurements

§2.1055 §22.355

OPERATING FREQUENCY: 836,500,000 Hz
 CHANNEL: 20525
 REFERENCE VOLTAGE: 3.80 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	836,499,988	-12	-0.0000015
100 %		- 30	836,499,993	-7	-0.0000008
100 %		- 20	836,499,997	-3	-0.0000003
100 %		- 10	836,499,999	-1	-0.0000001
100 %		0	836,499,989	-11	-0.0000014
100 %		+ 10	836,499,986	-14	-0.0000017
100 %		+ 20	836,499,982	-18	-0.0000021
100 %		+ 30	836,499,993	-7	-0.0000008
100 %		+ 40	836,499,984	-16	-0.0000019
100 %		+ 50	836,499,990	-10	-0.0000011
115 %	4.37	+ 20	836,499,986	-14	-0.0000016
BATT. ENDPOINT	3.40	+ 20	836,499,997	-3	-0.0000003

Table 6-19. Frequency Stability Data (Band 5)

Band 5 Frequency Stability Measurements

§2.1055 §22.355

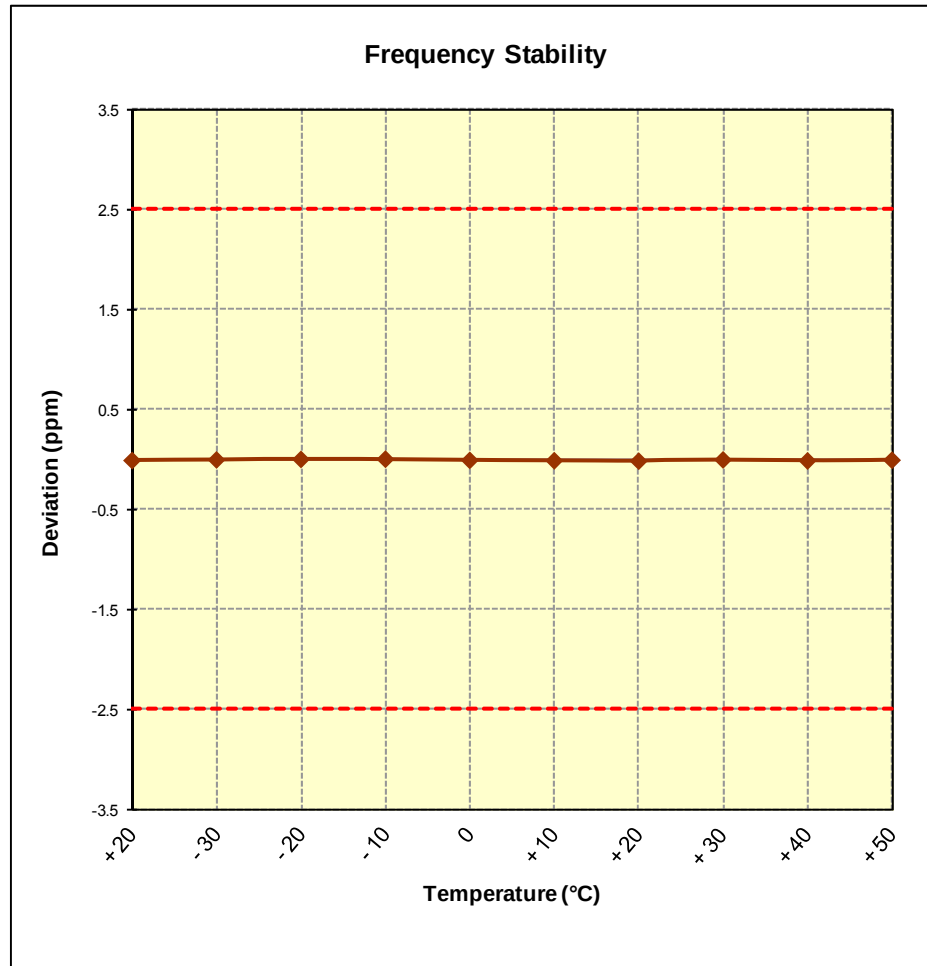


Figure 6-8. Frequency Stability Graph (Band 5)

FCC ID: A3LSMT337A		FCC Pt. 22, 24, & 27 LTE MEASUREMENT REPORT (CERTIFICATION)		Reviewed by: Quality Manager
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Band 4 Frequency Stability Measurements

§2.1055 §27.54

OPERATING FREQUENCY: 1,732,500,000 Hz
 CHANNEL: 20175
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	1,732,499,983	-17	-0.0000010
100 %		- 30	1,732,499,981	-19	-0.0000011
100 %		- 20	1,732,499,981	-19	-0.0000011
100 %		- 10	1,732,499,981	-19	-0.0000011
100 %		0	1,732,499,990	-10	-0.0000006
100 %		+ 10	1,732,499,983	-17	-0.0000010
100 %		+ 20	1,732,499,998	-2	-0.0000001
100 %		+ 30	1,732,499,988	-12	-0.0000007
100 %		+ 40	1,732,499,991	-9	-0.0000005
100 %		+ 50	1,732,499,995	-5	-0.0000003
115 %	4.37	+ 20	1,732,499,995	-5	-0.0000003
BATT. ENDPOINT	3.40	+ 20	1,732,499,986	-14	-0.0000008

Table 6-20. Frequency Stability Data (Band 4)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 4 Frequency Stability Measurements

§2.1055 §27.54

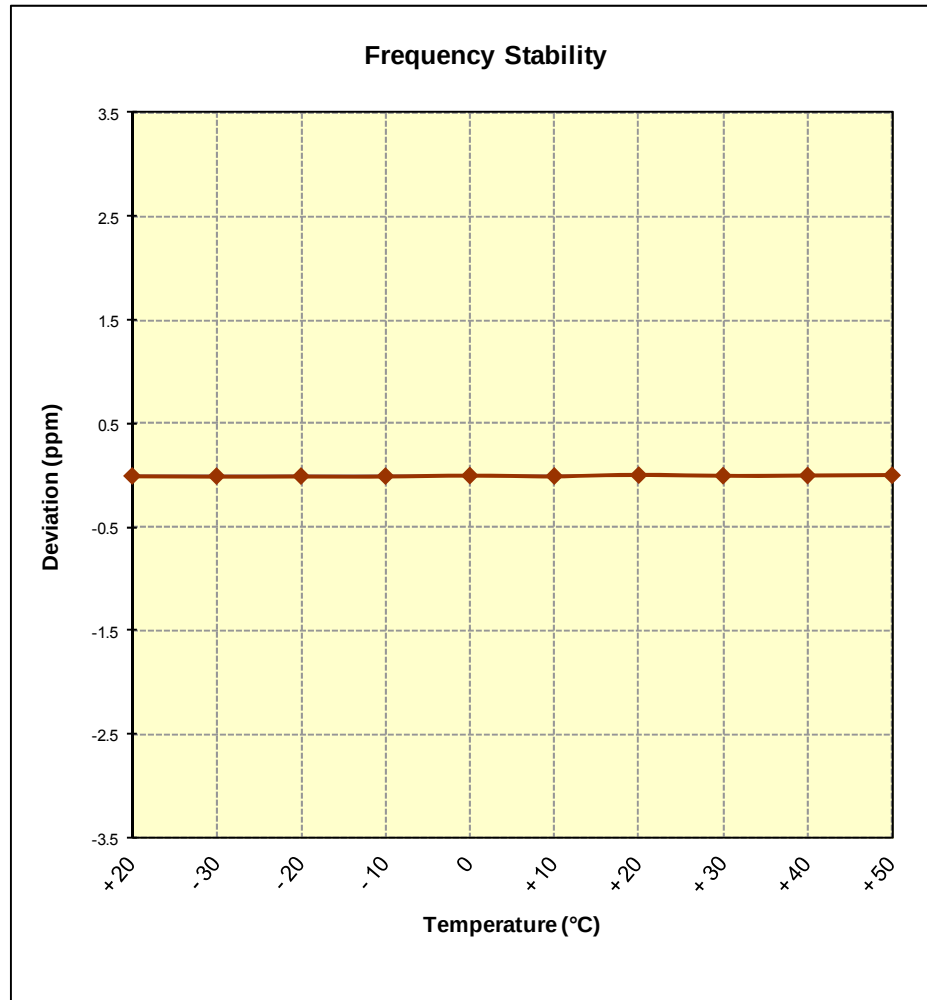


Figure 6-9. Frequency Stability Graph (Band 4)

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Band 2 Frequency Stability Measurements

§2.1055 §24.235

OPERATING FREQUENCY: 1,880,000,000 Hz
 CHANNEL: 18900
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	1,879,999,988	-12	-0.0000006
100 %		- 30	1,879,999,997	-3	-0.0000002
100 %		- 20	1,879,999,989	-11	-0.0000006
100 %		- 10	1,880,000,000	0	0.0000000
100 %		0	1,879,999,990	-10	-0.0000005
100 %		+ 10	1,879,999,981	-19	-0.0000010
100 %		+ 20	1,879,999,980	-20	-0.0000010
100 %		+ 30	1,879,999,995	-5	-0.0000003
100 %		+ 40	1,879,999,989	-11	-0.0000006
100 %		+ 50	1,879,999,997	-3	-0.0000001
115 %	4.37	+ 20	1,879,999,991	-9	-0.0000005
BATT. ENDPOINT	3.40	+ 20	1,879,999,984	-16	-0.0000009

Table 6-21. Frequency Stability Data (Band 2)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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Band 2 Frequency Stability Measurements

§2.1055 §24.235

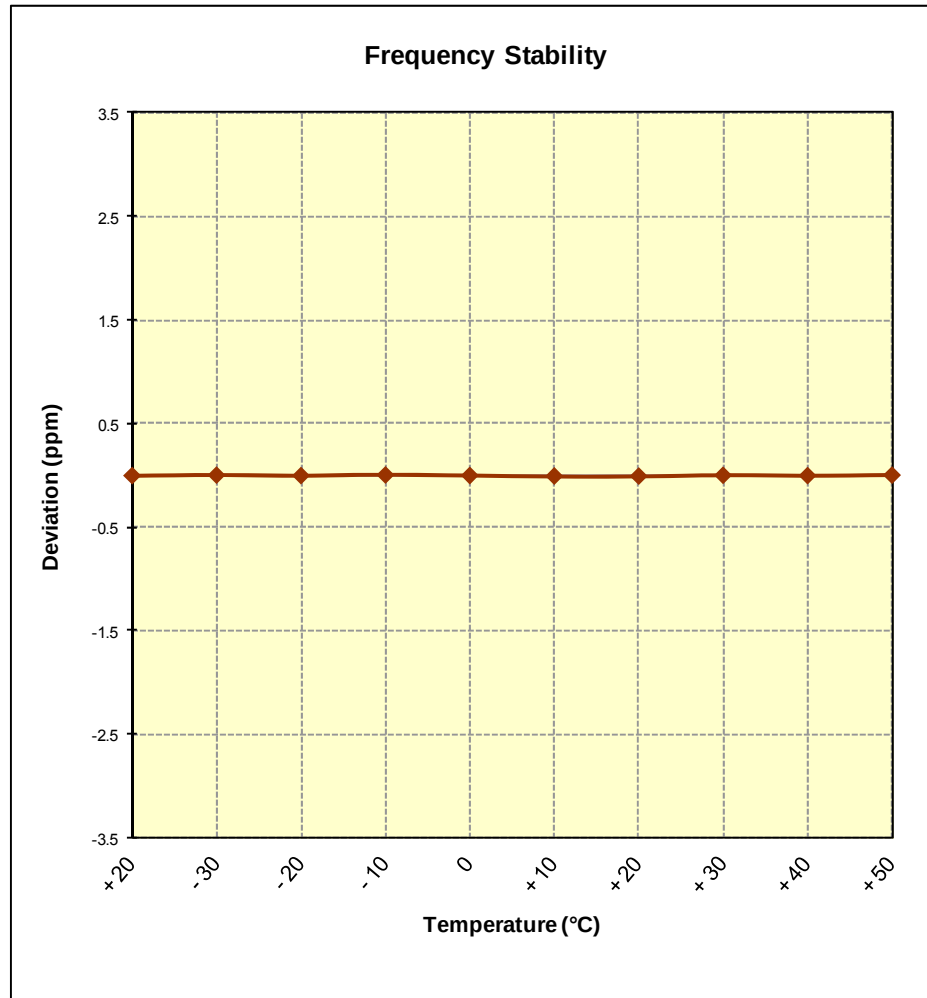


Figure 6-10. Frequency Stability Graph (Band 2)

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7.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Tablet Computer FCC ID: A3LSMT337A** complies with all the requirements of Parts 2, 22, 24, 27 of the FCC rules for LTE operation only.

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