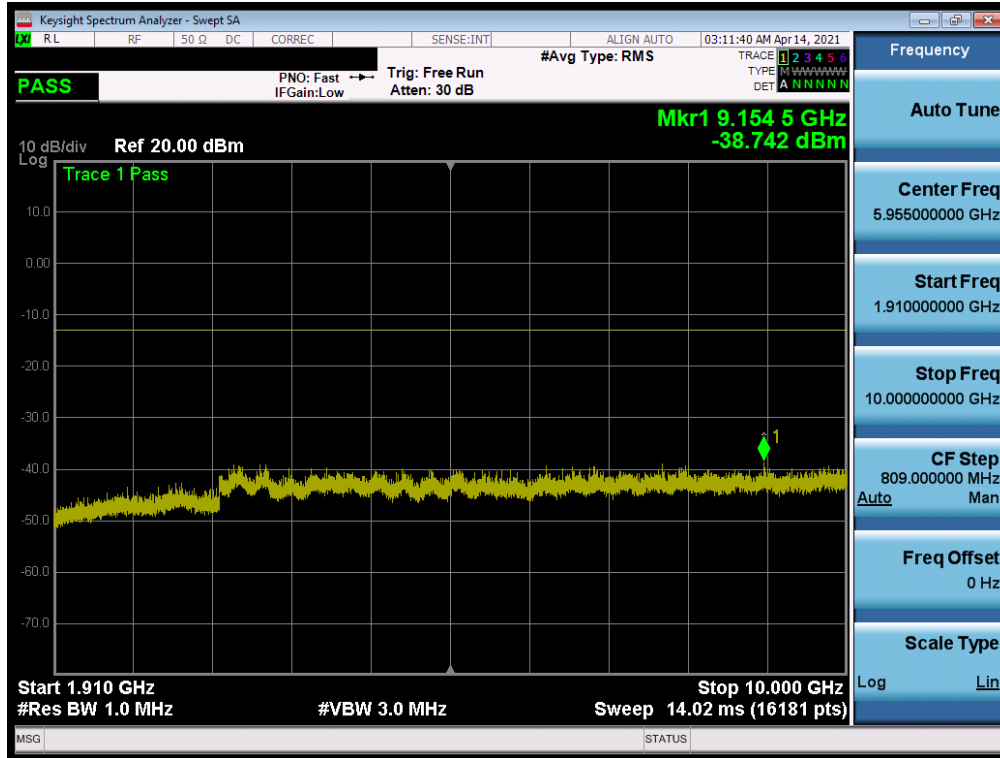
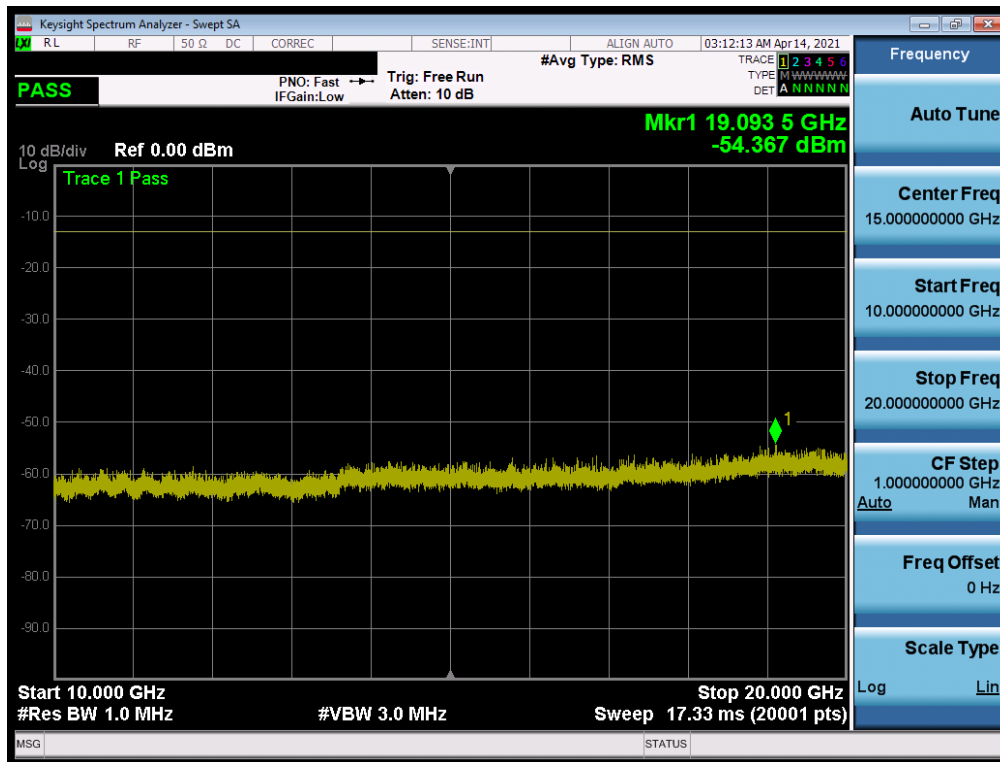


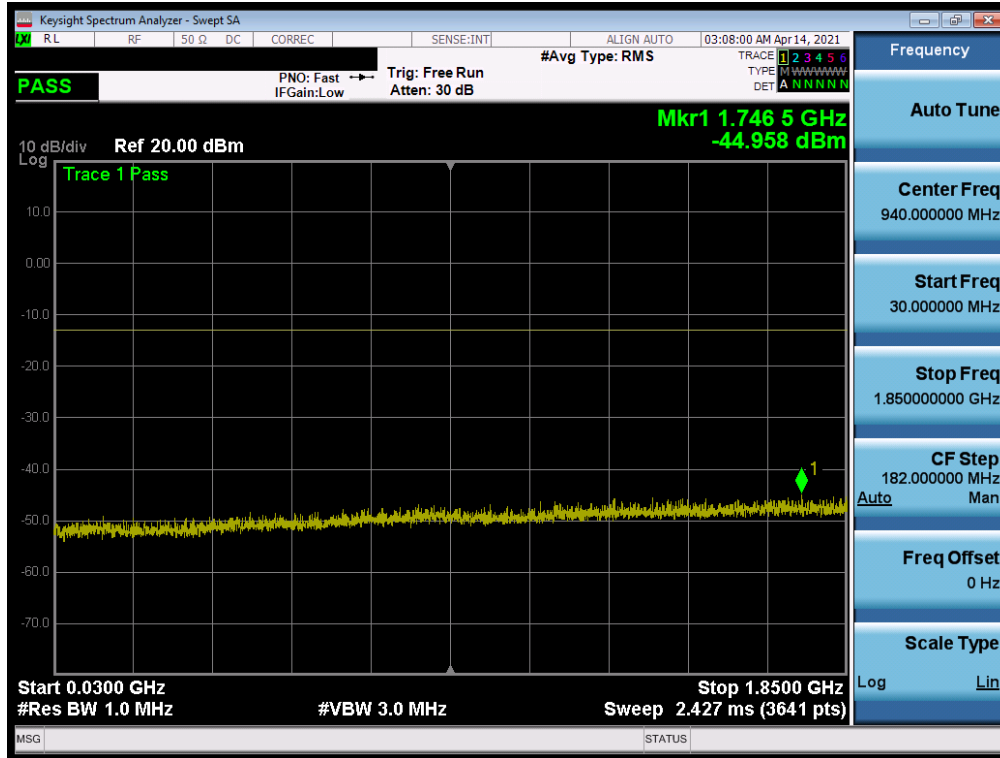


Plot 7-90. Conducted Spurious Plot (GPRS Ch. 661)

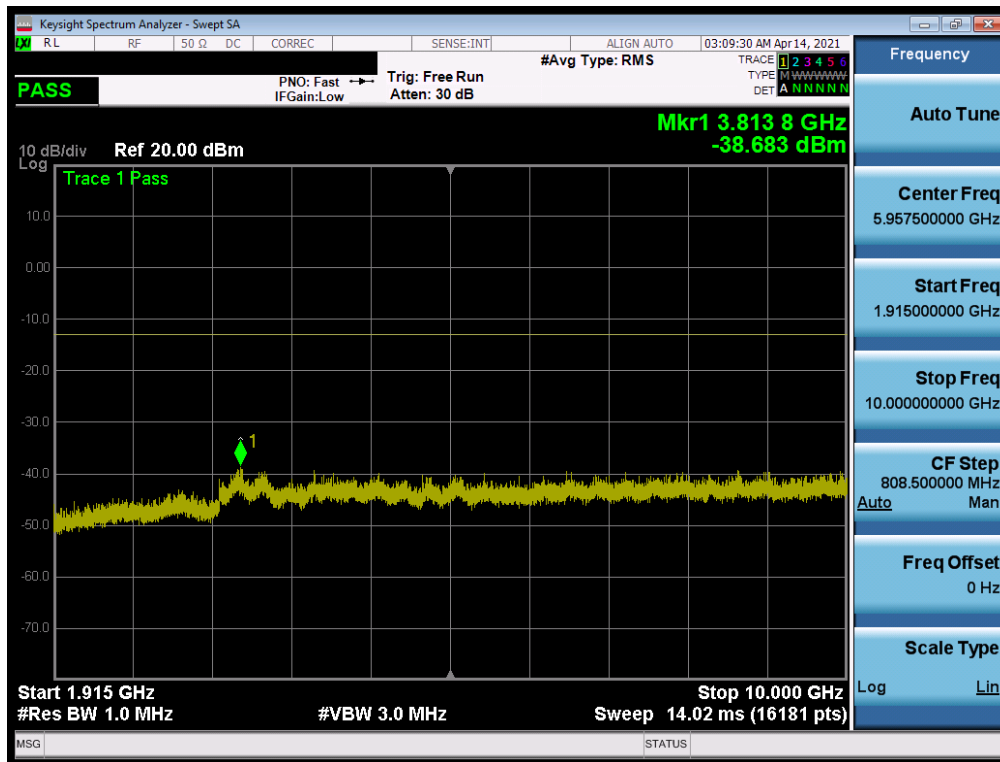


Plot 7-91. Conducted Spurious Plot (GPRS Ch. 661)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 64 of 203



Plot 7-92. Conducted Spurious Plot (GPRS Ch. 810)



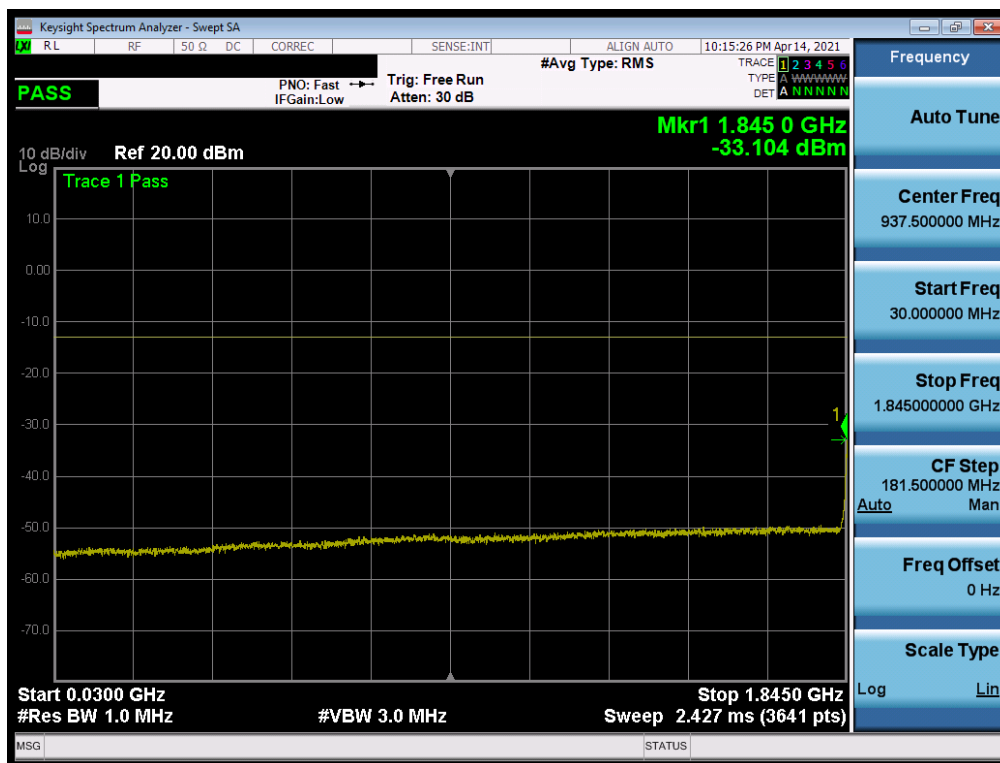
Plot 7-93. Conducted Spurious Plot (GPRS Ch. 810)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 65 of 203

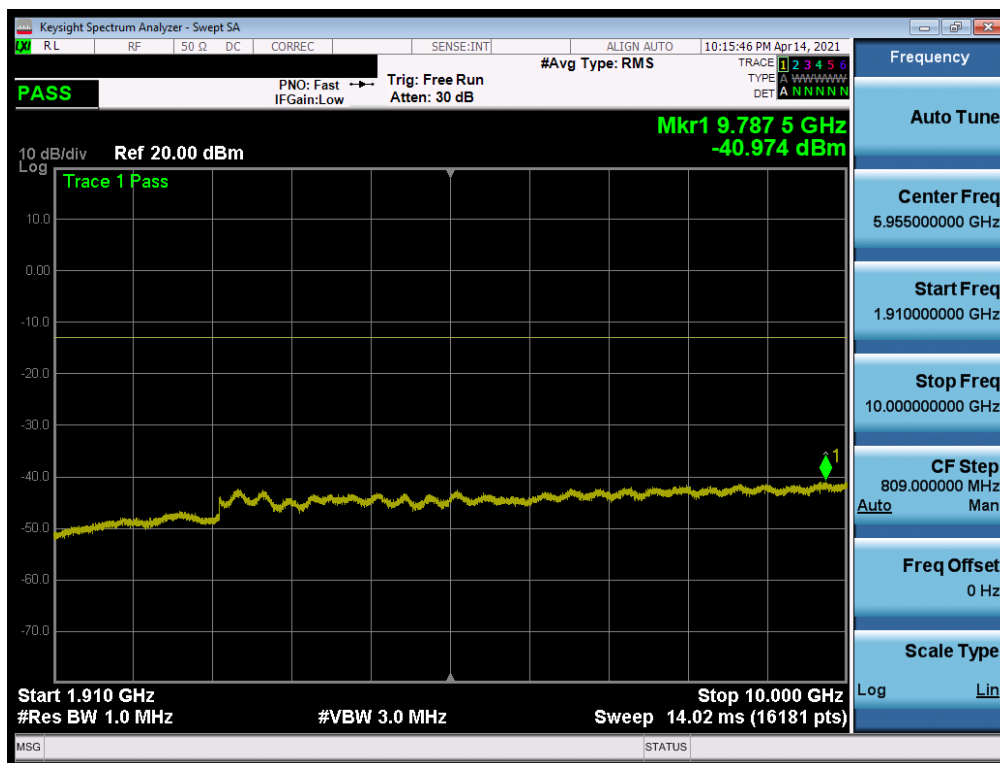


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WCDMA PCS

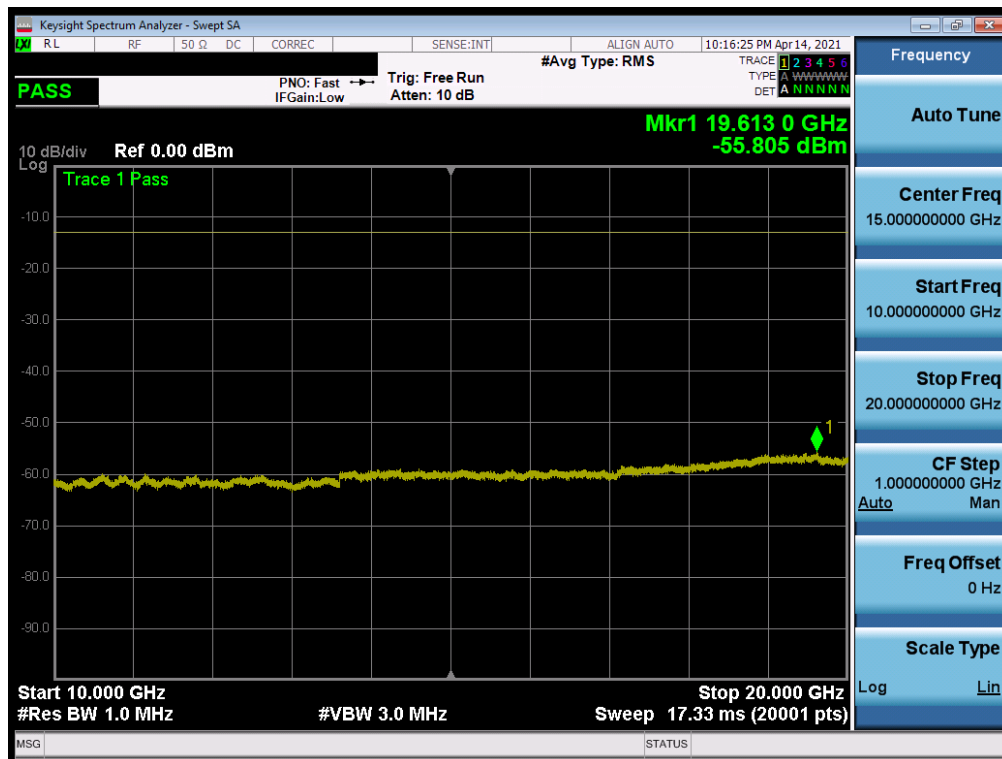


Plot 7-95. Conducted Spurious Plot (WCDMA Ch. 9262)

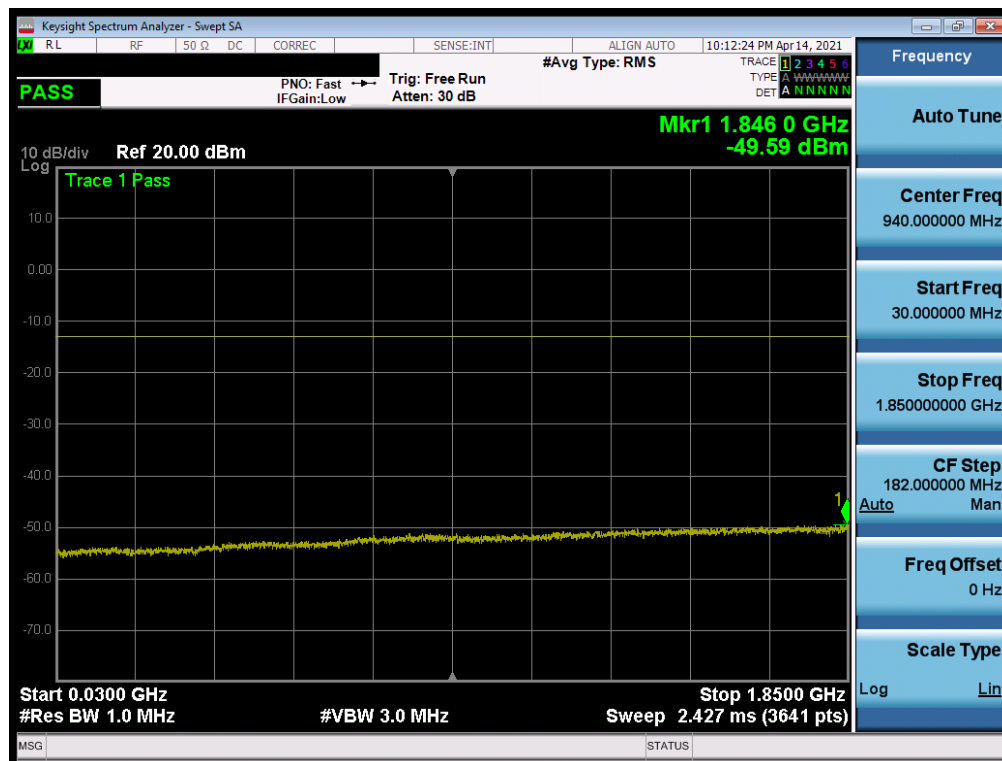


Plot 7-96. Conducted Spurious Plot (WCDMA Ch. 9262)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 67 of 203

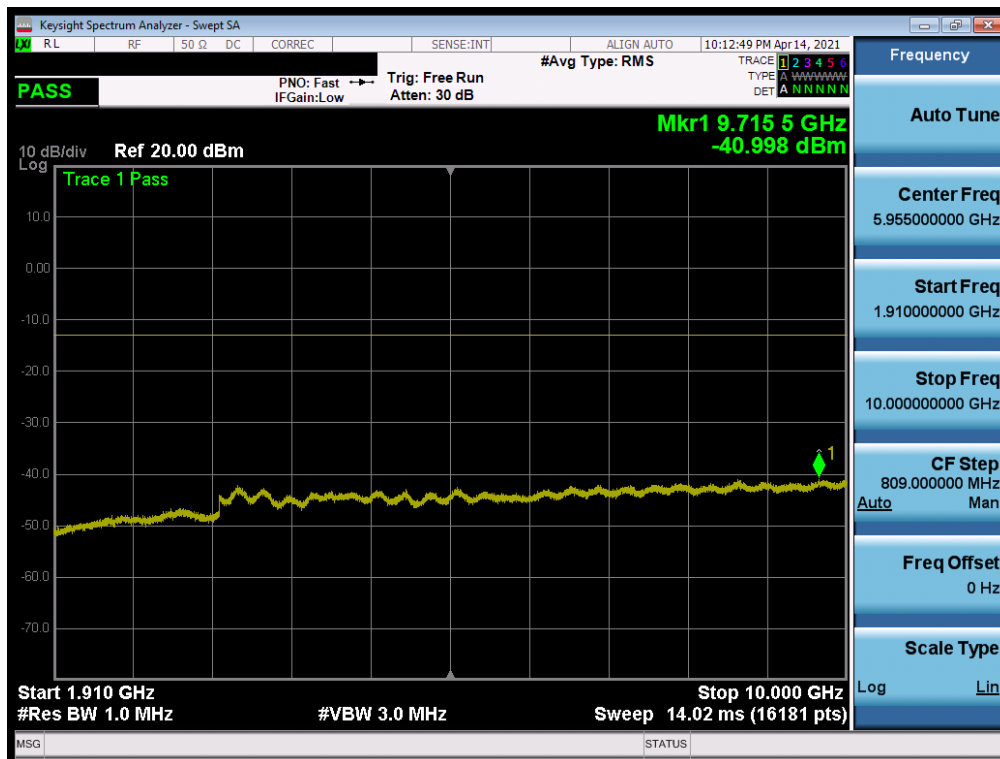


Plot 7-97. Conducted Spurious Plot (WCDMA Ch. 9262)

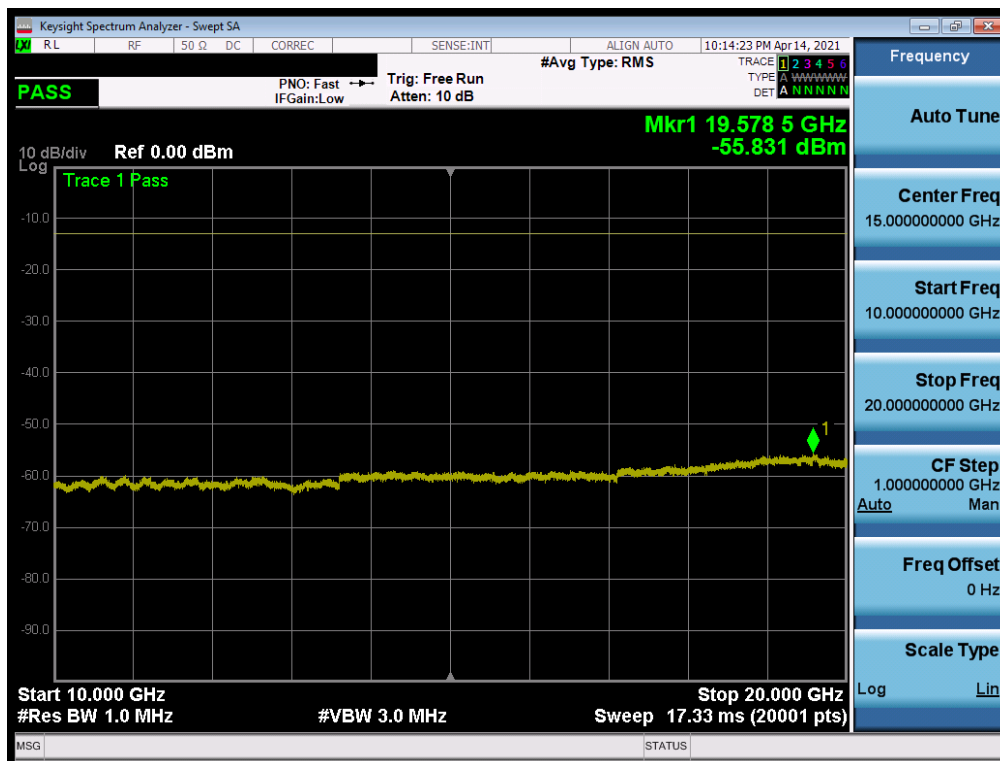


Plot 7-98. Conducted Spurious Plot (WCDMA Ch. 9400)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 68 of 203

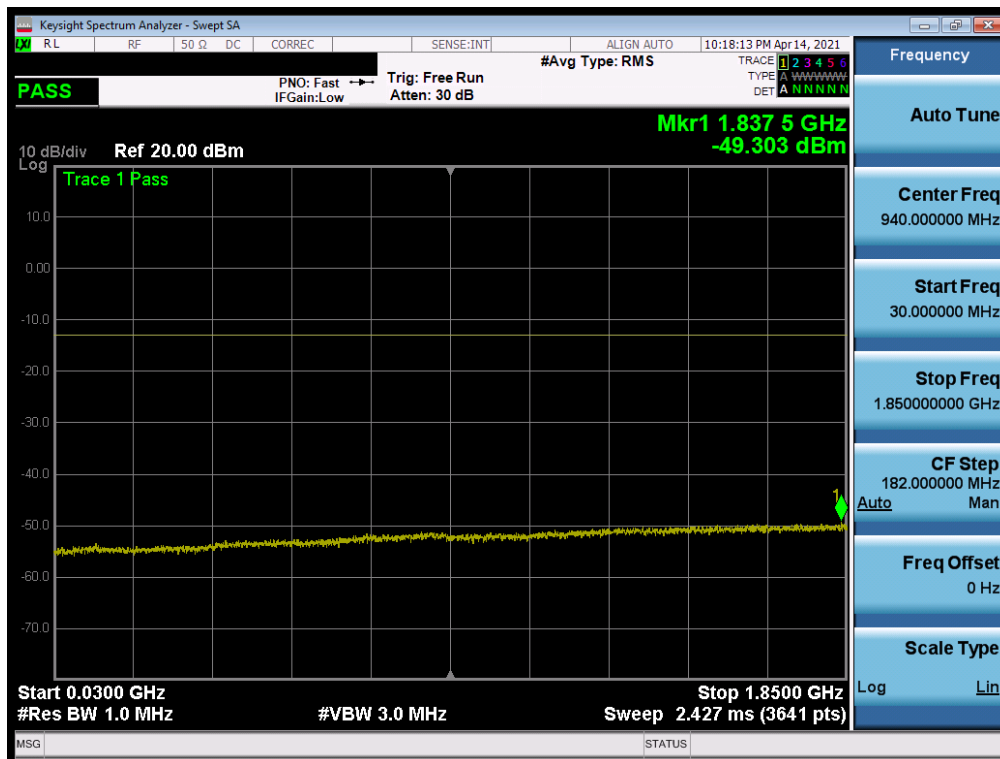


Plot 7-99. Conducted Spurious Plot (WCDMA Ch. 9400)

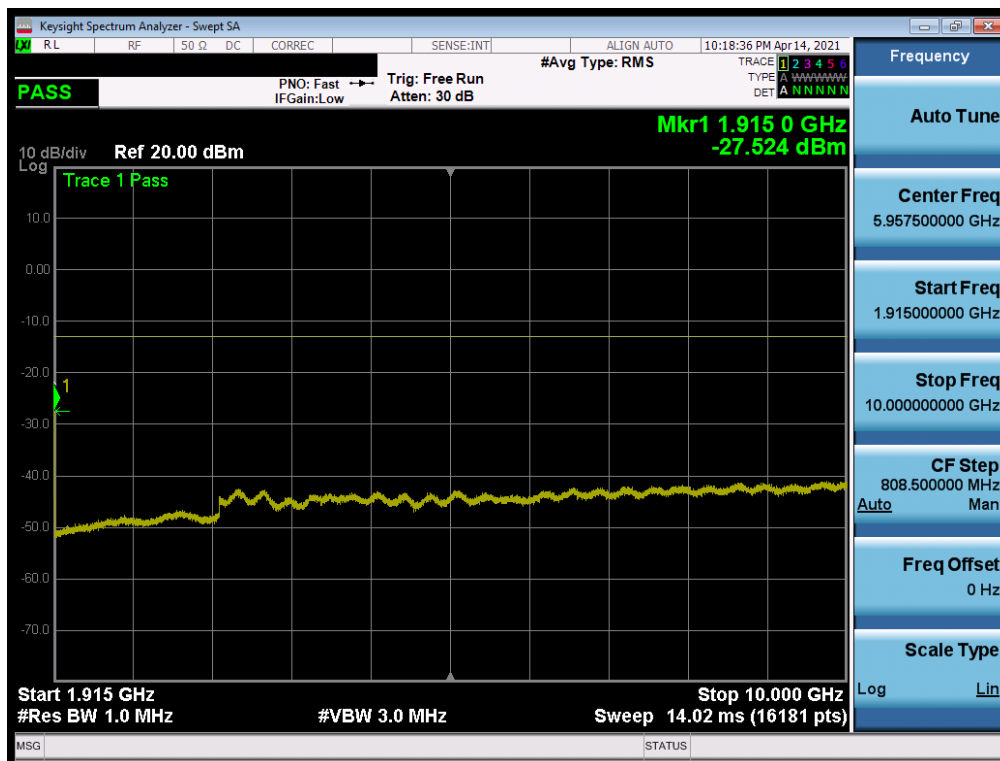


Plot 7-100. Conducted Spurious Plot (WCDMA Ch. 9400)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 69 of 203

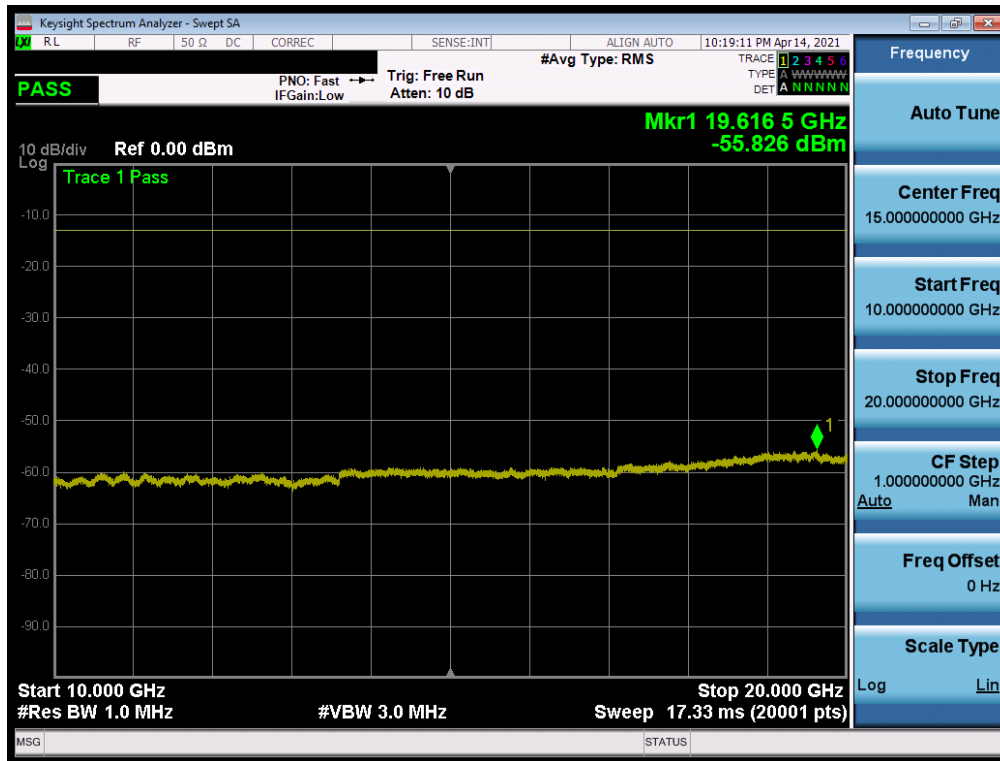


Plot 7-101. Conducted Spurious Plot (WCDMA Ch. 9538)



Plot 7-102. Conducted Spurious Plot (WCDMA Ch. 9538)

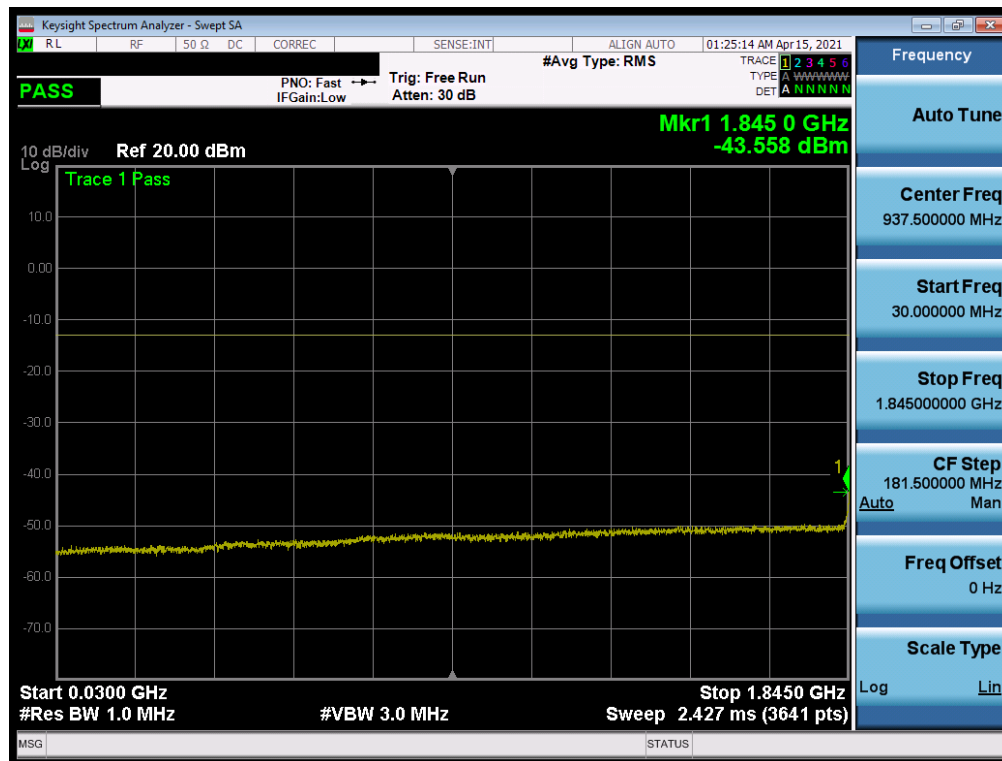
FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 70 of 203



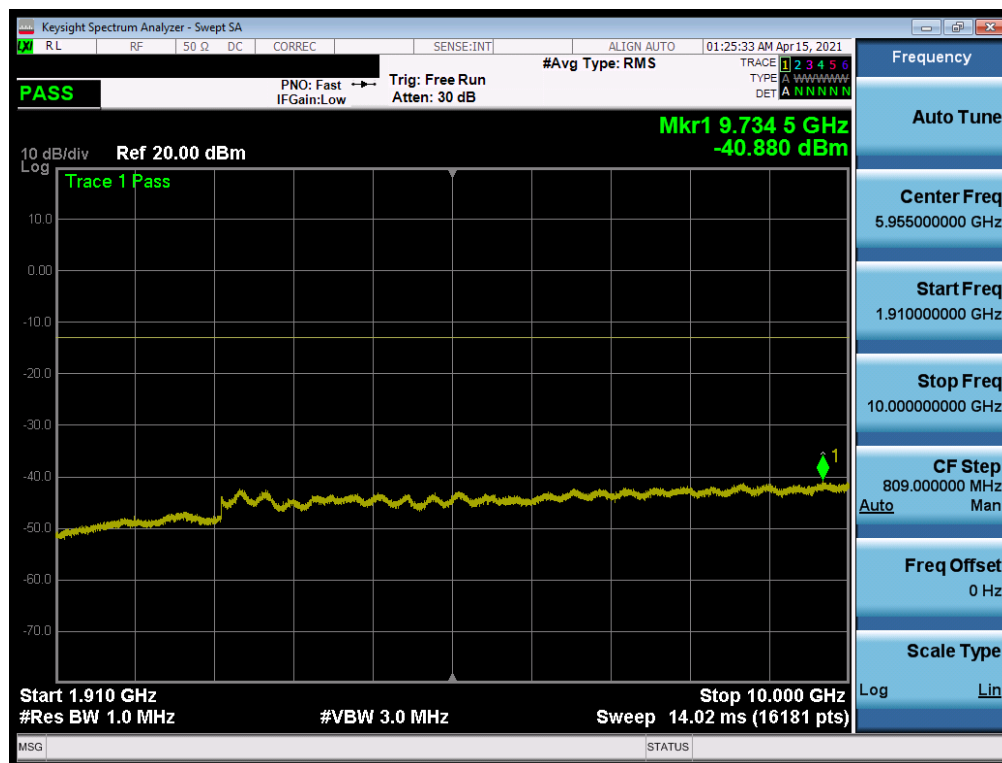
Plot 7-103. Conducted Spurious Plot (WCDMA Ch. 9538)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 71 of 203

CDMA PCS

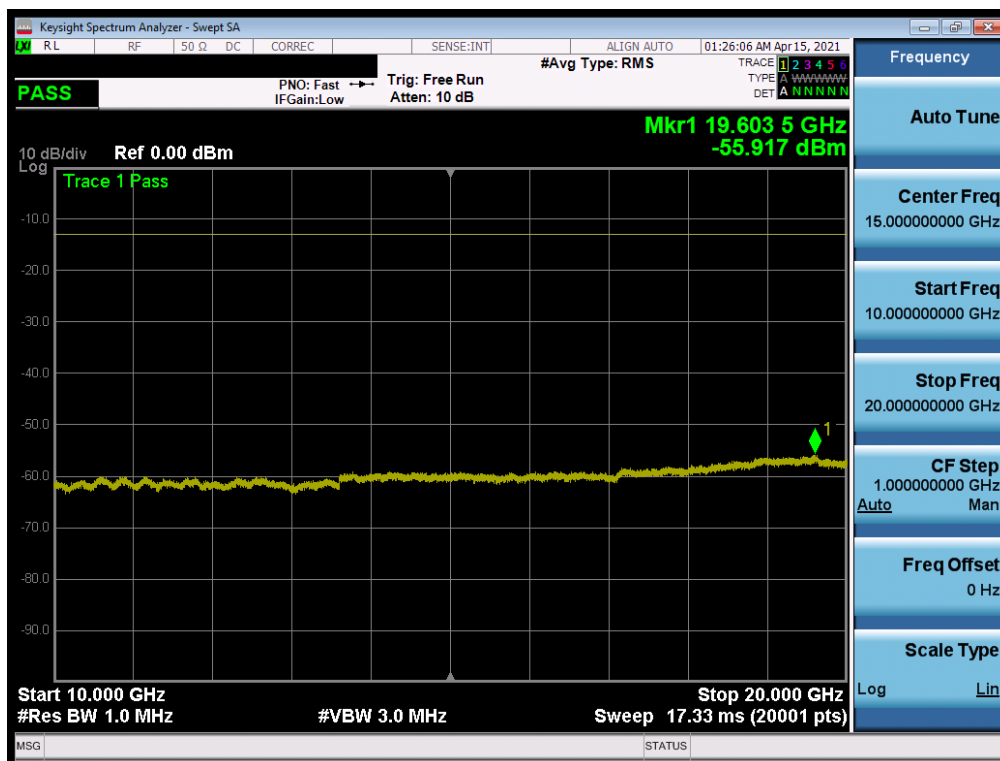


Plot 7-104. Conducted Spurious Plot (CDMA Ch. 25)

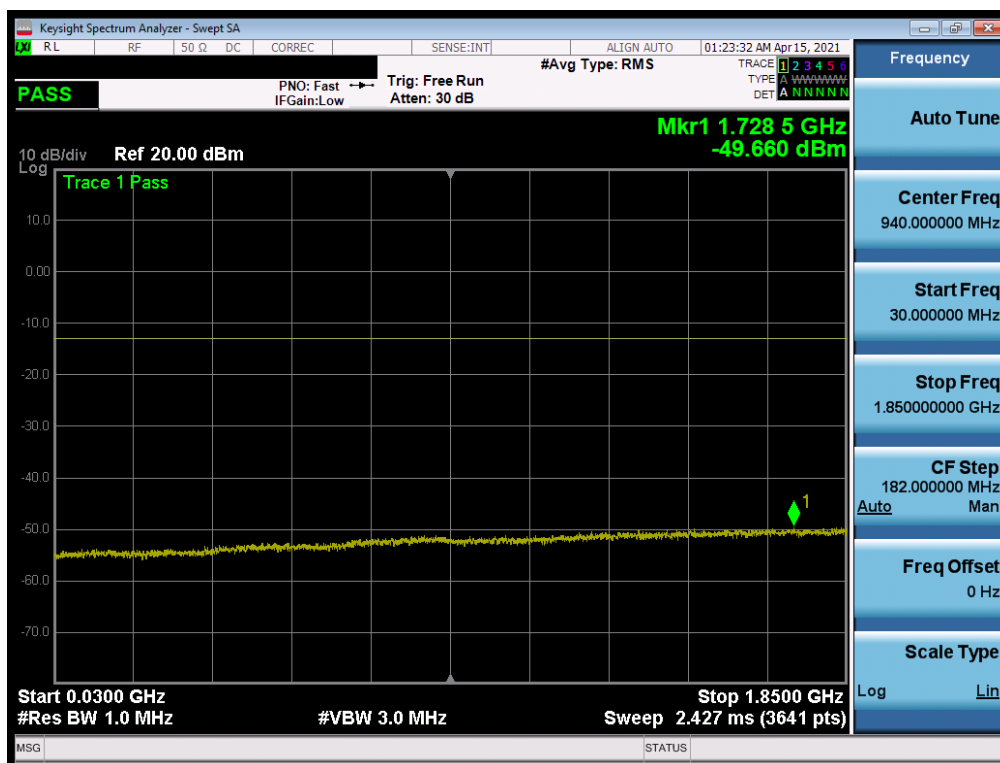


Plot 7-105. Conducted Spurious Plot (CDMA Ch. 25)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 72 of 203

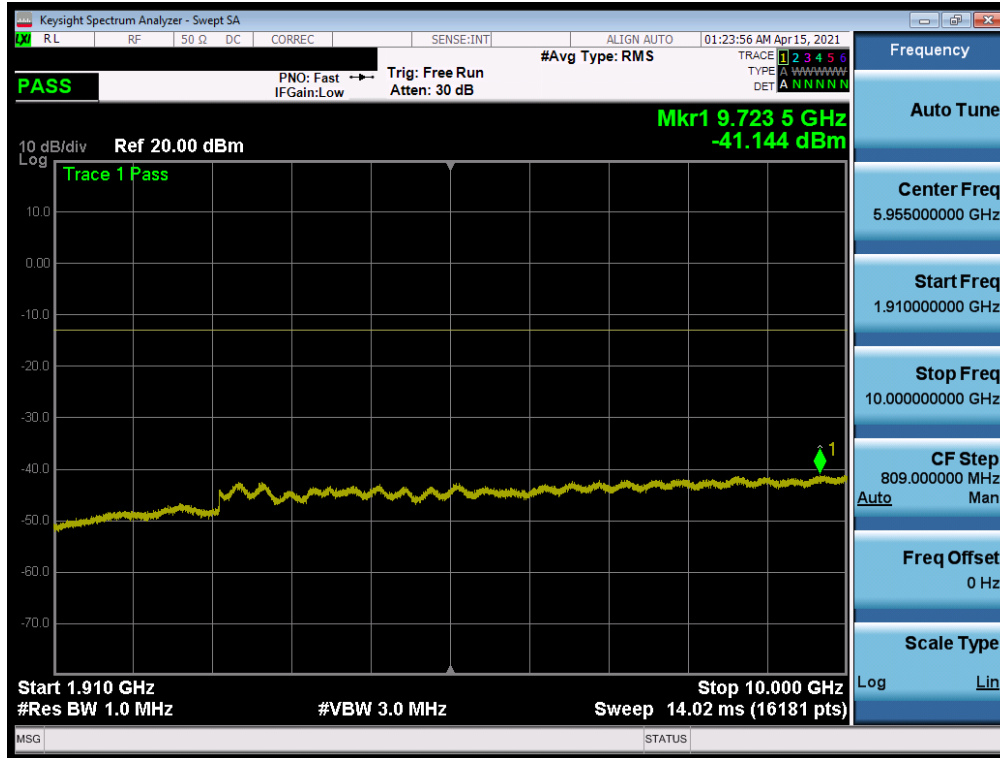


Plot 7-106. Conducted Spurious Plot (CDMA Ch. 25)

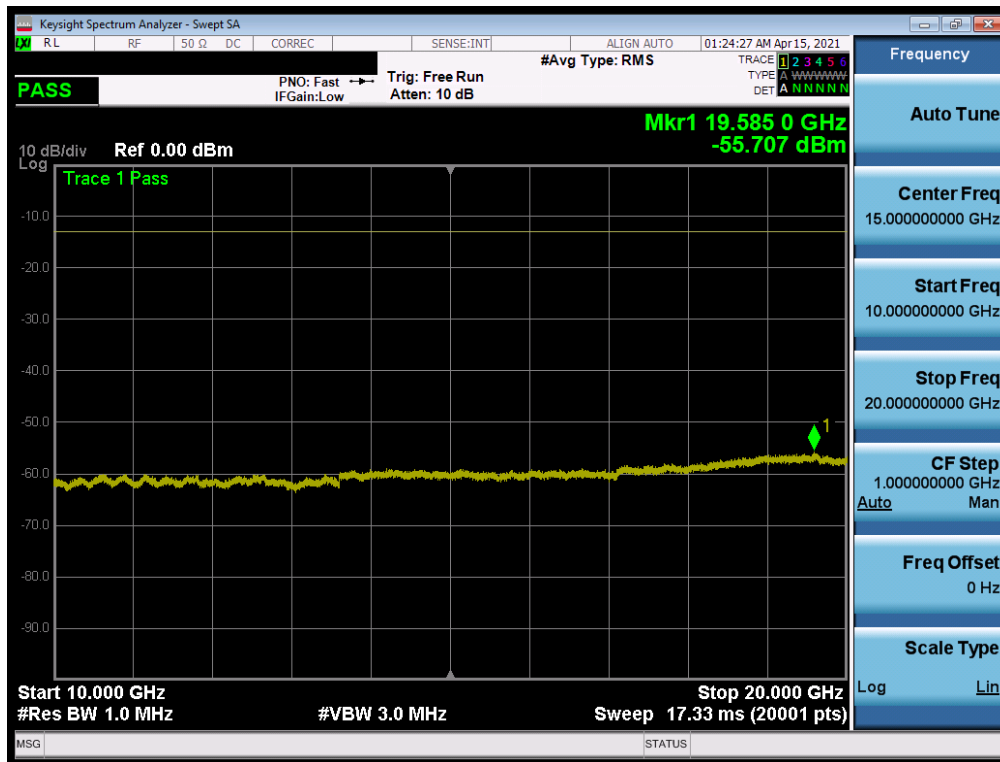


Plot 7-107. Conducted Spurious Plot (CDMA Ch. 600)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 73 of 203

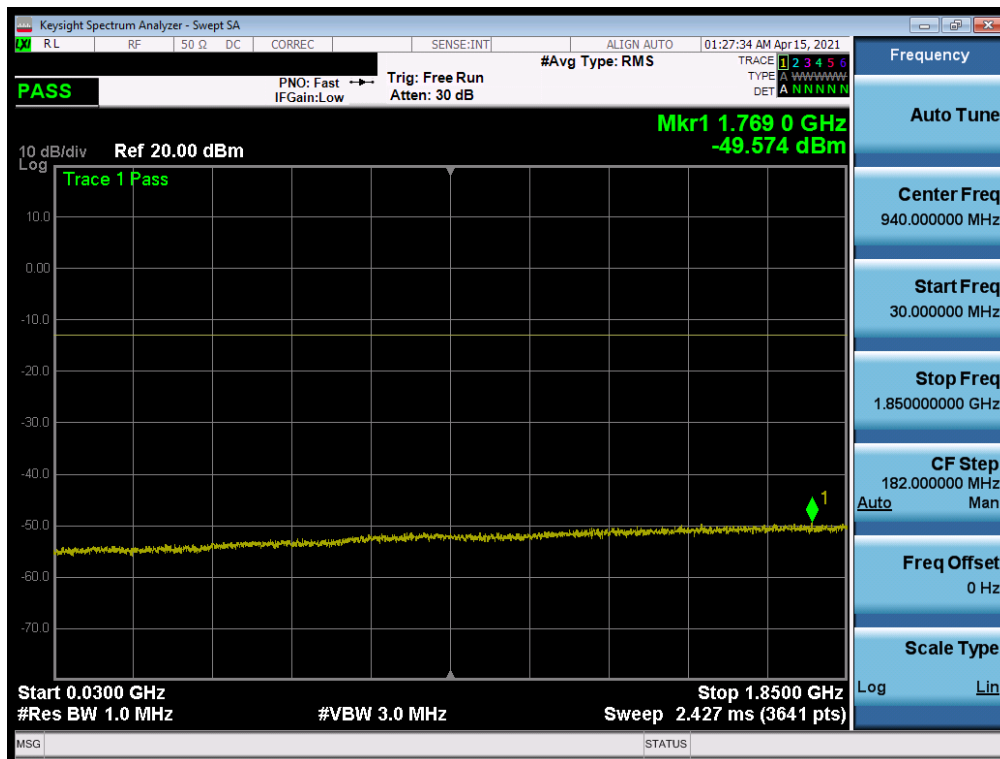


Plot 7-108. Conducted Spurious Plot (CDMA Ch. 600)

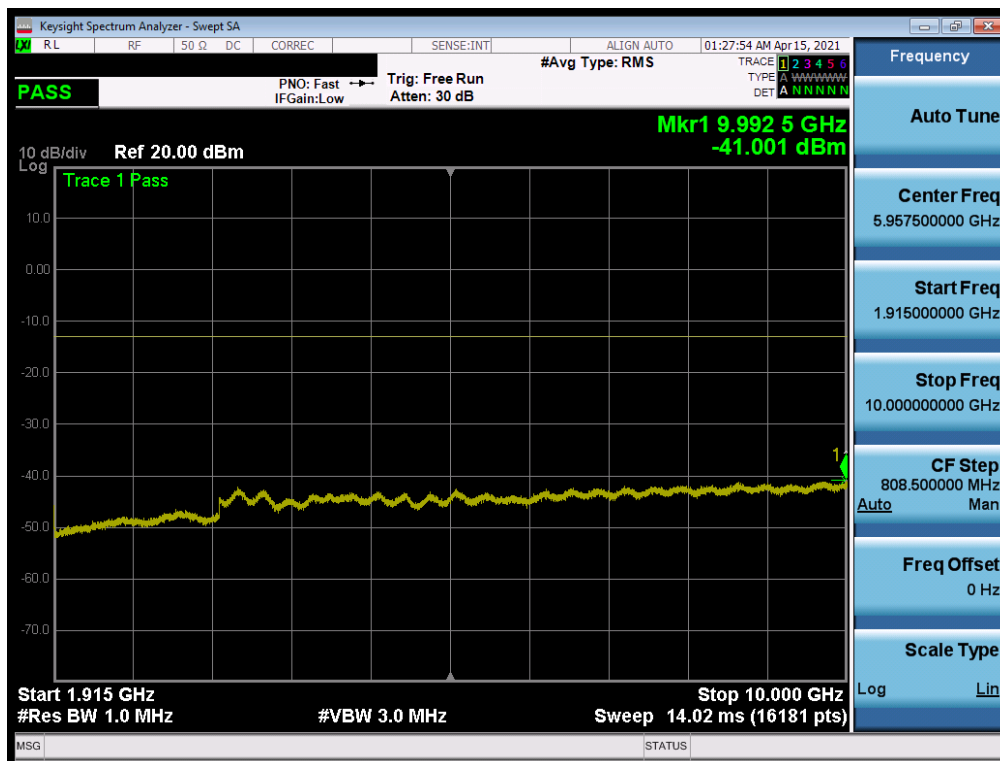


Plot 7-109. Conducted Spurious Plot (CDMA Ch. 600)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 74 of 203

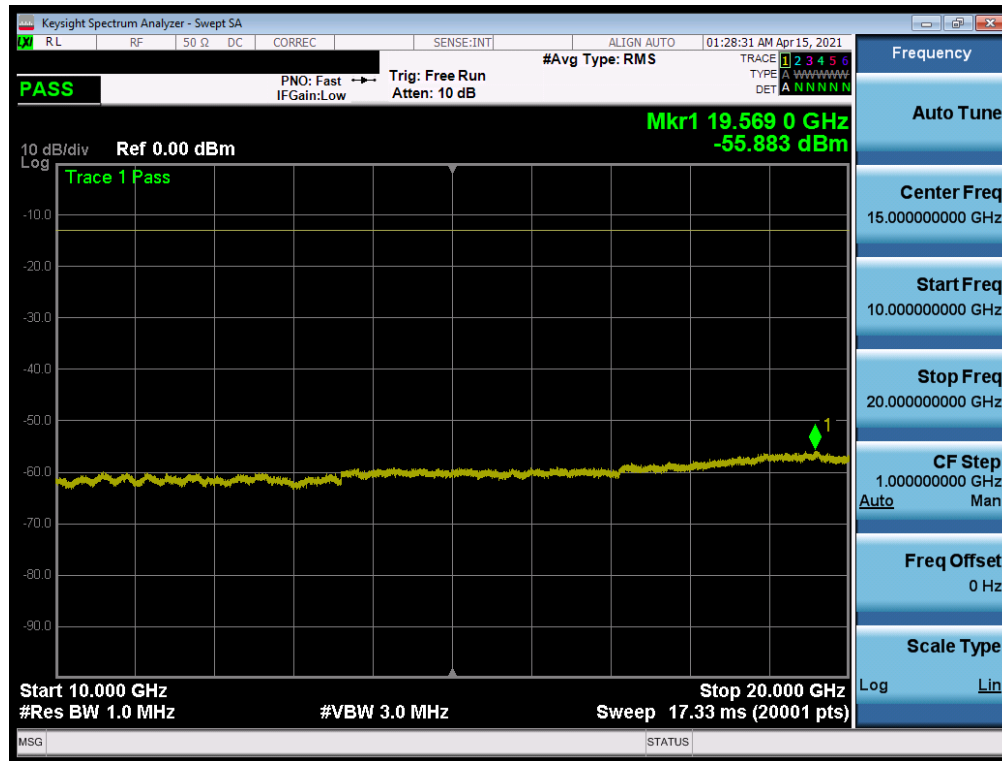


Plot 7-110. Conducted Spurious Plot (CDMA Ch. 1175)



Plot 7-111. Conducted Spurious Plot (CDMA Ch. 1175)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 75 of 203



Plot 7-112. Conducted Spurious Plot (CDMA Ch. 1175)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 76 of 203

7.4 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. $RBW \geq 1\%$ of the emission bandwidth
4. $VBW \geq 3 \times RBW$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/RBW$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

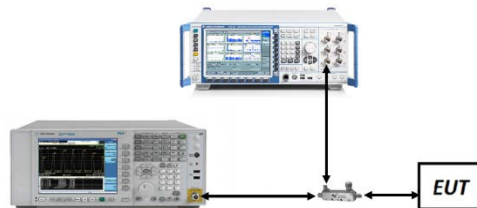


Figure 7-3. Test Instrument & Measurement Setup

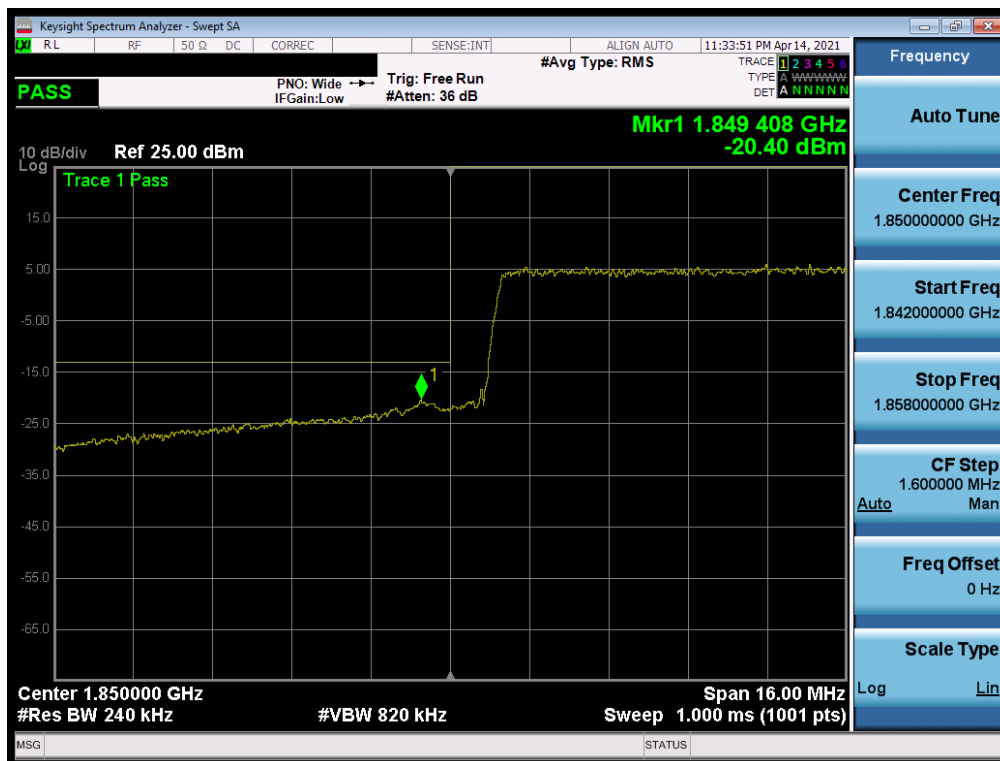
FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 77 of 203

Test Notes

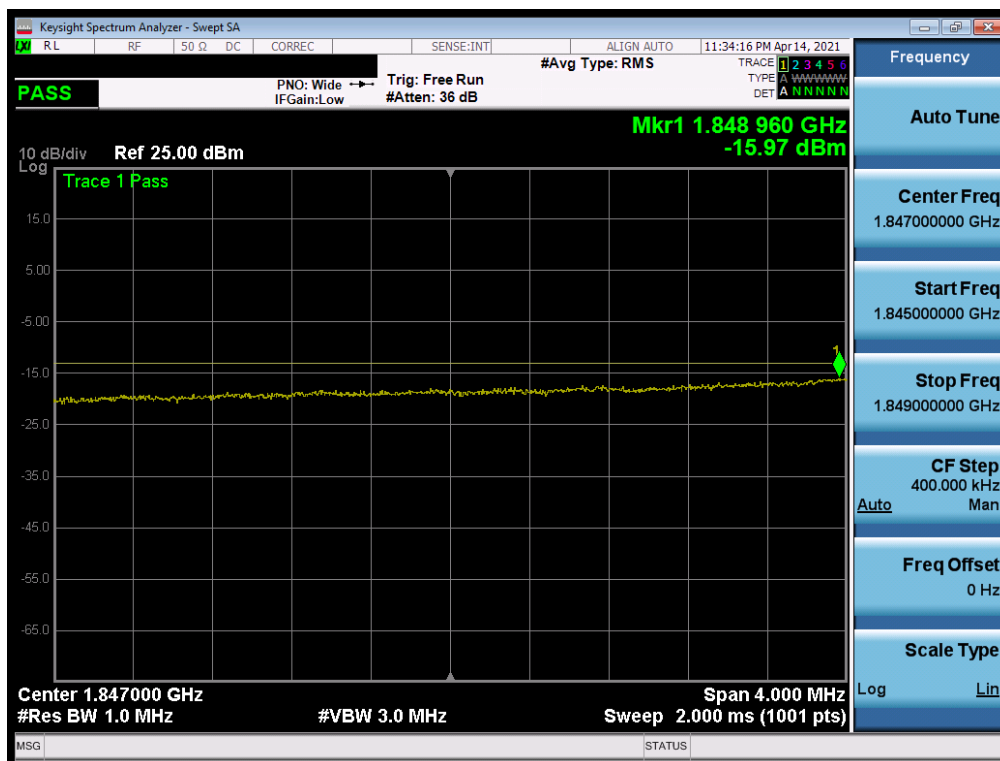
1. Per 24.238(a) and RSS-133(6.5), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
3. For CDMA, both CDMA and EVDO operation modes were investigated and the worst case configuration results are reported in this section.
4. For WCDMA, both WCDMA and HSUPA operation modes were investigated and the worst case configuration results are reported in this section.

FCC ID: A3LSMF711U1	 PART 24 MEASUREMENT REPORT 		Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 78 of 203

LTE Band 25/2



Plot 7-113. Lower Band Edge Plot (LTE Band 25/2 - 20MHz QPSK – Full RB)

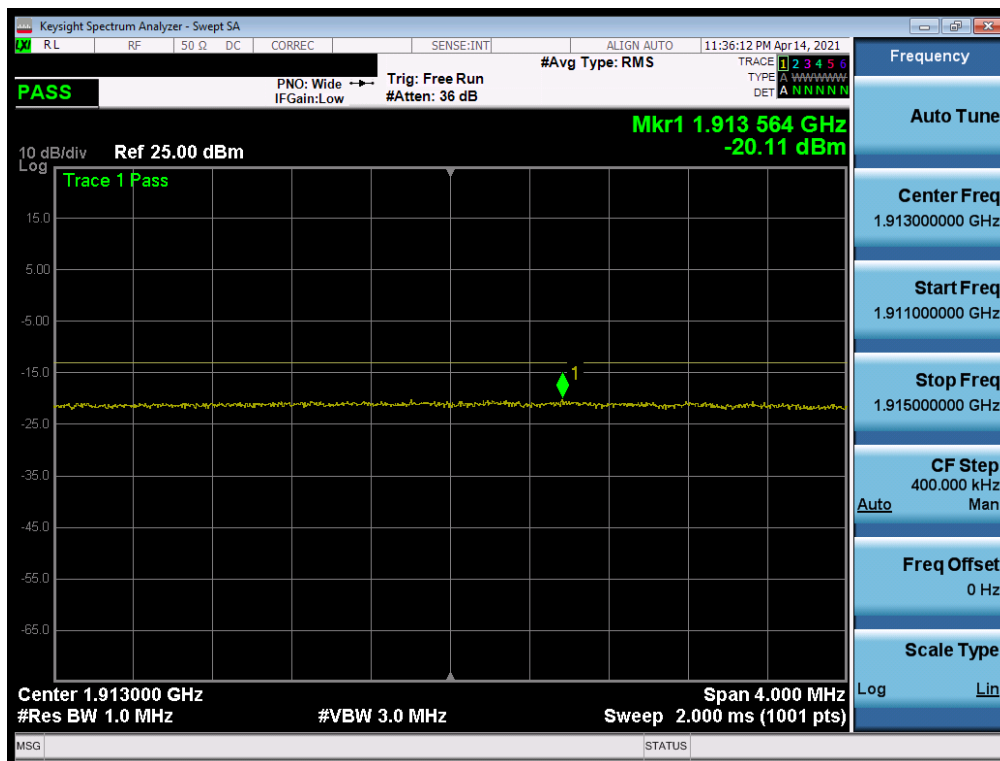


Plot 7-114. Extended Lower Band Edge Plot (LTE Band 25/2 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 79 of 203



Plot 7-115. Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK - Full RB)

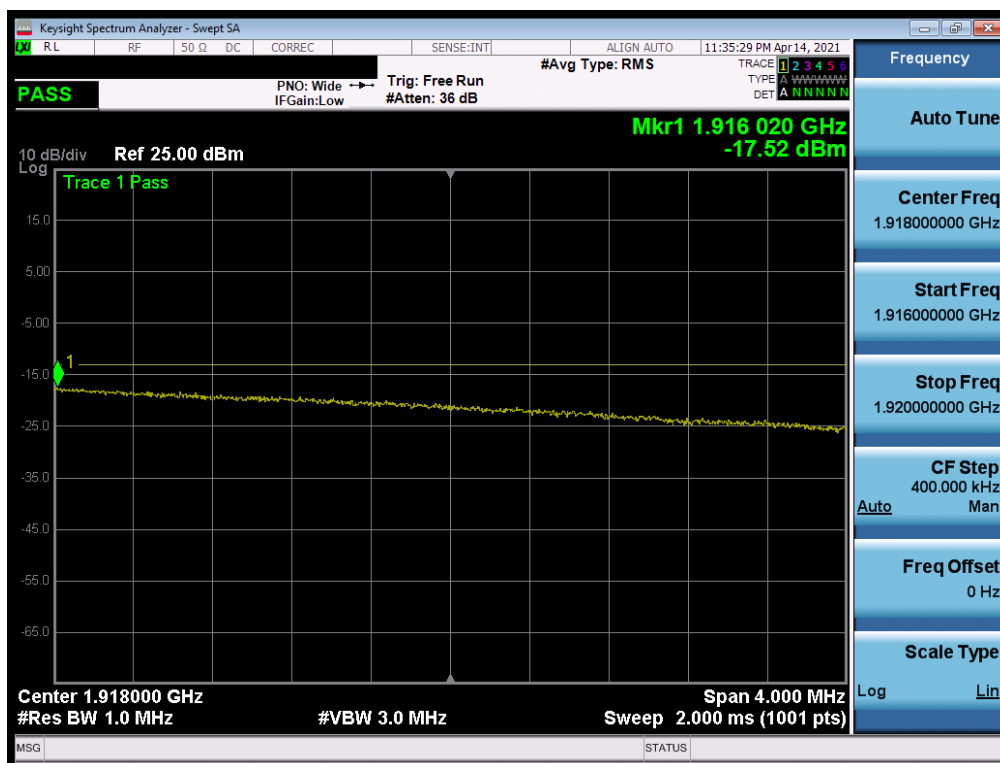


Plot 7-116. Extended Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 80 of 203

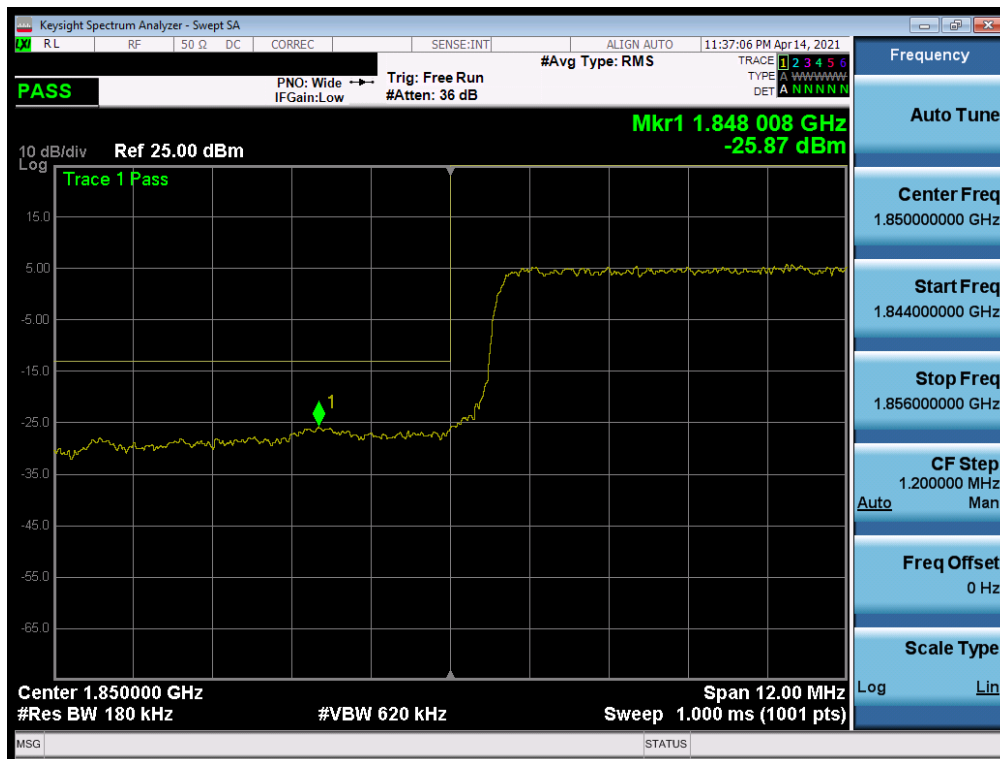


Plot 7-117. Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB)

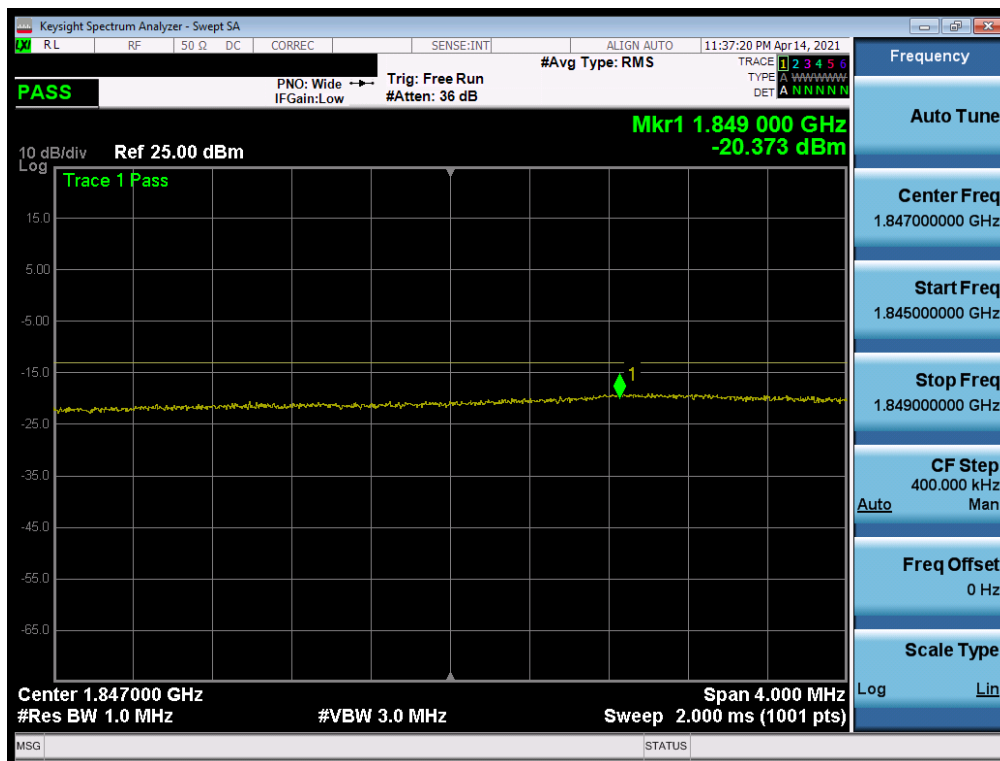


Plot 7-118. Extended Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 81 of 203



Plot 7-119. Lower Band Edge Plot (LTE Band 25/2 - 15MHz QPSK - Full RB)



Plot 7-120. Extended Lower Band Edge Plot (LTE Band 25/2 - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 82 of 203



Plot 7-121. Upper Band Edge Plot (LTE Band 2 - 15MHz QPSK - Full RB)



Plot 7-122. Extended Upper Band Edge Plot (LTE Band 2 - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 83 of 203

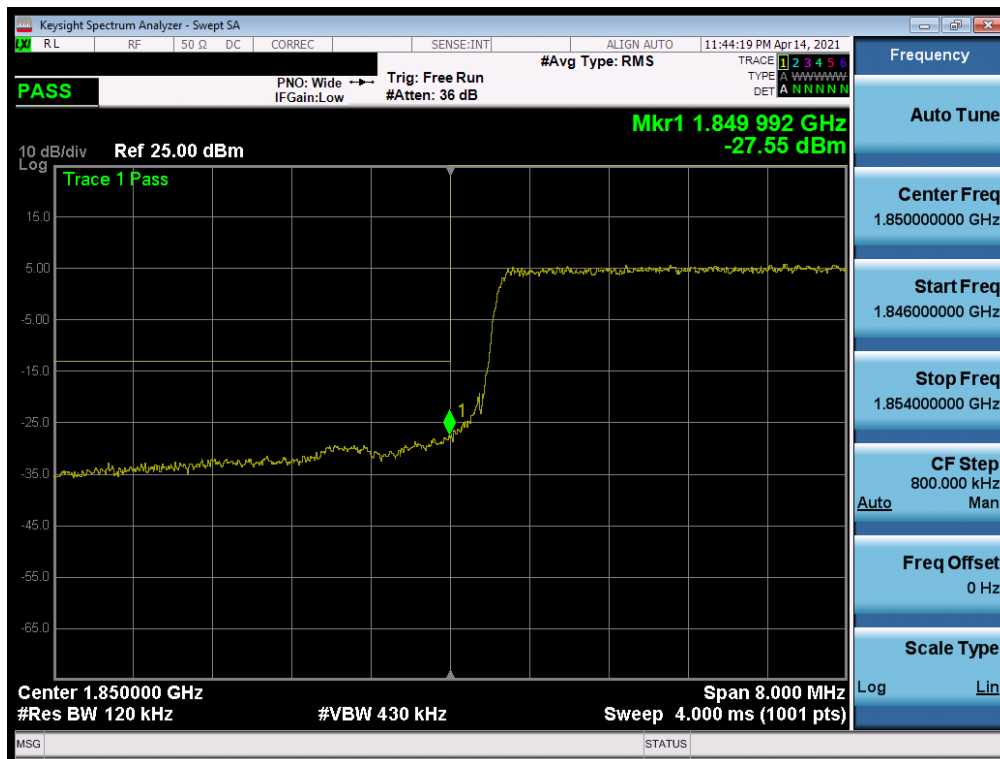


Plot 7-123. Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB)

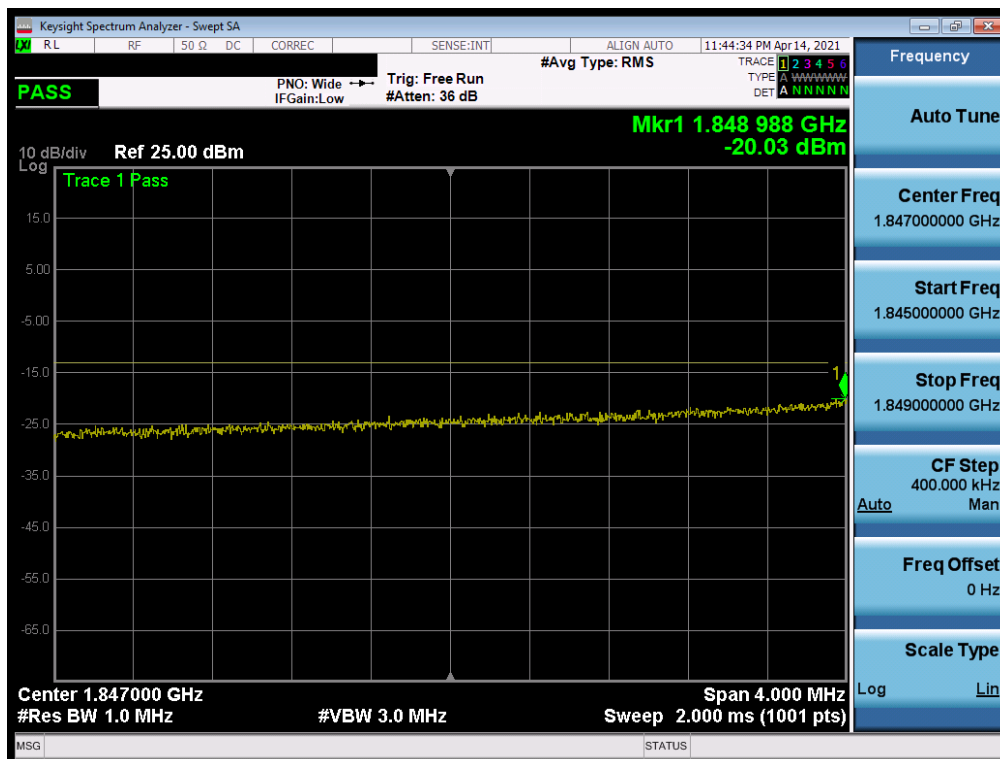


Plot 7-124. Extended Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 84 of 203



Plot 7-125. Lower Band Edge Plot (LTE Band 25/2 - 10MHz QPSK – Full RB)

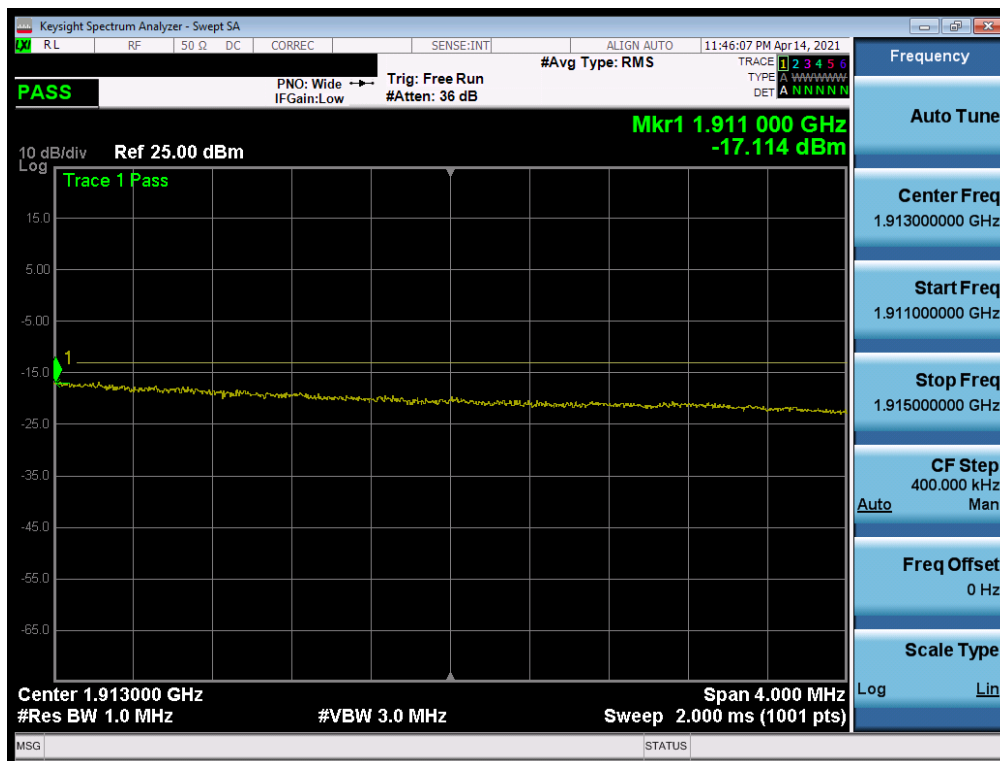


Plot 7-126. Extended Lower Band Edge Plot (LTE Band 25/2 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 85 of 203



Plot 7-127. Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB)



Plot 7-128. Extended Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 86 of 203

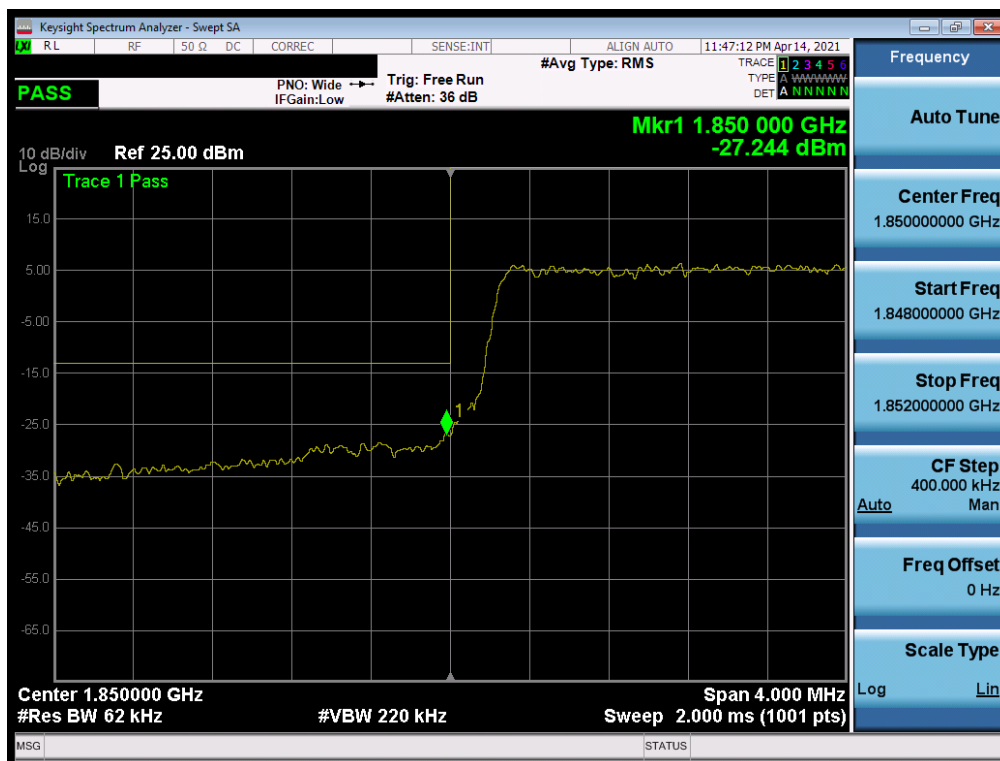


Plot 7-129. Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB)

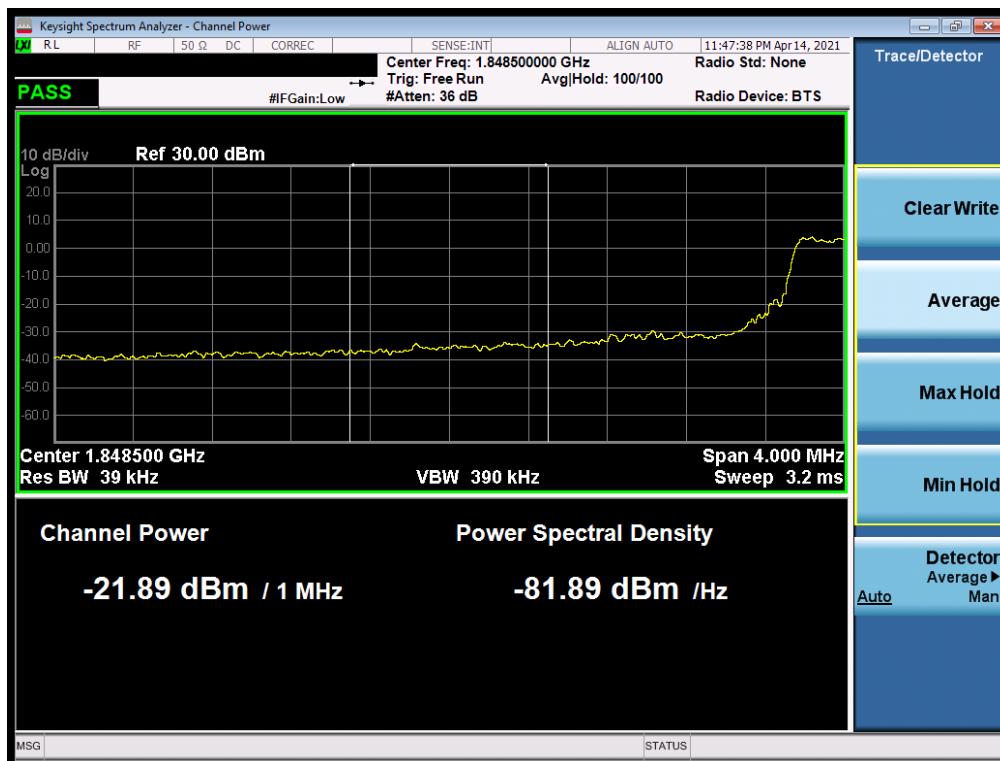


Plot 7-130. Extended Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 87 of 203



Plot 7-131. Lower Band Edge Plot (LTE Band 25/2 - 5MHz QPSK – Full RB)

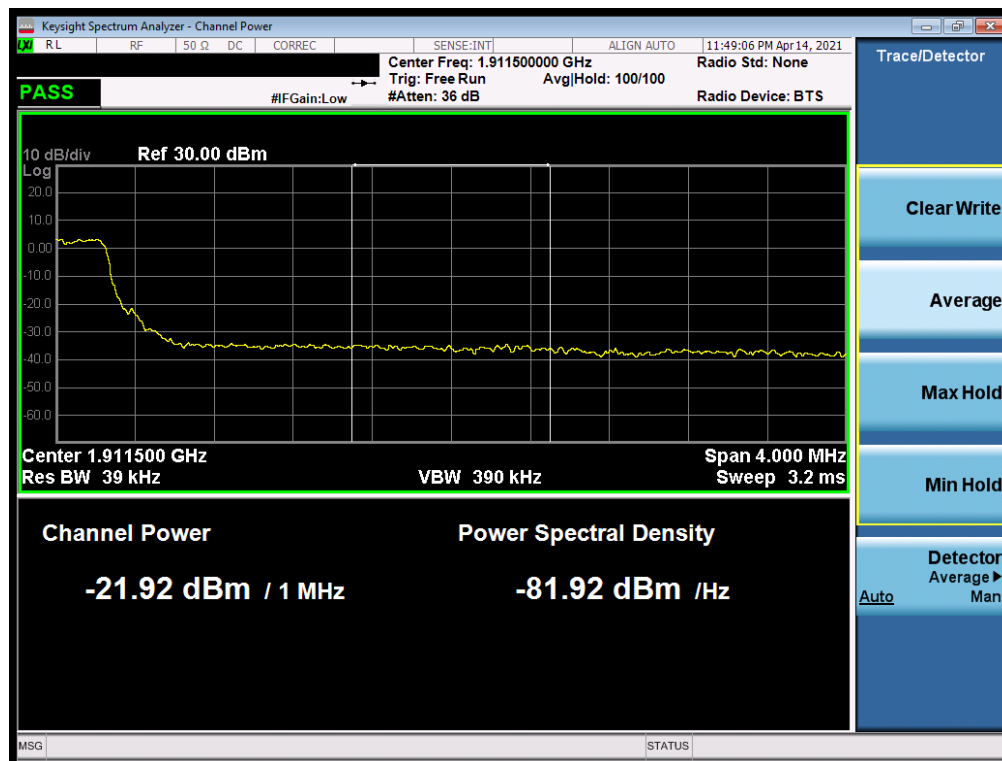


Plot 7-132. Extended Lower Band Edge Plot (LTE Band 25/2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 88 of 203



Plot 7-133. Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

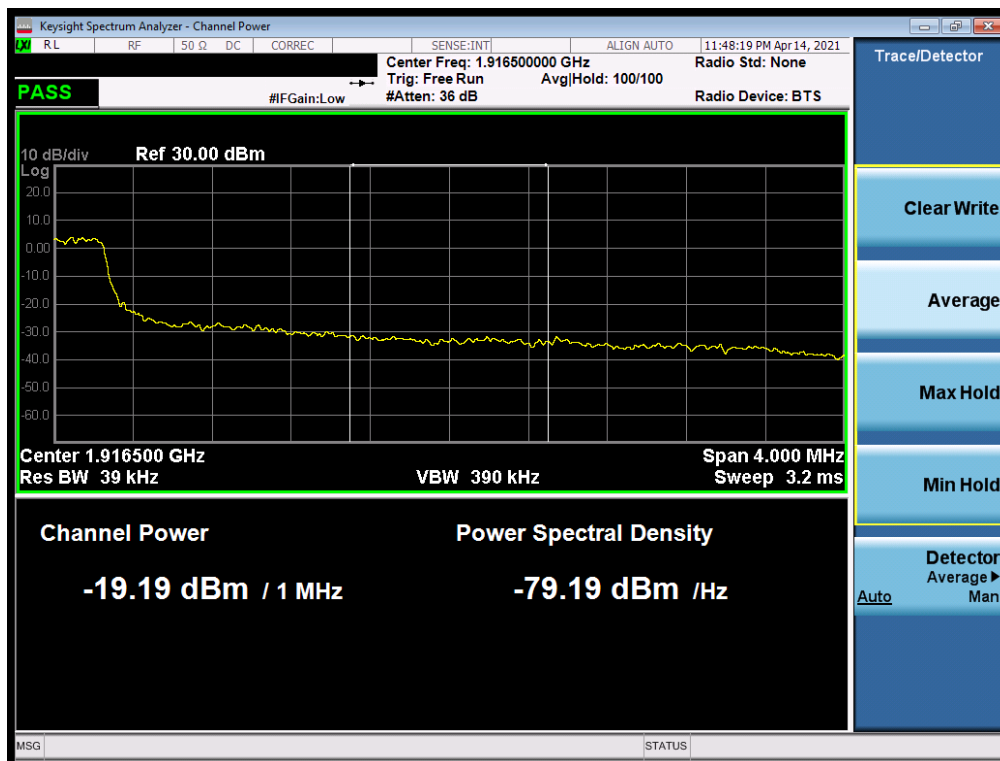


Plot 7-134. Extended Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 89 of 203

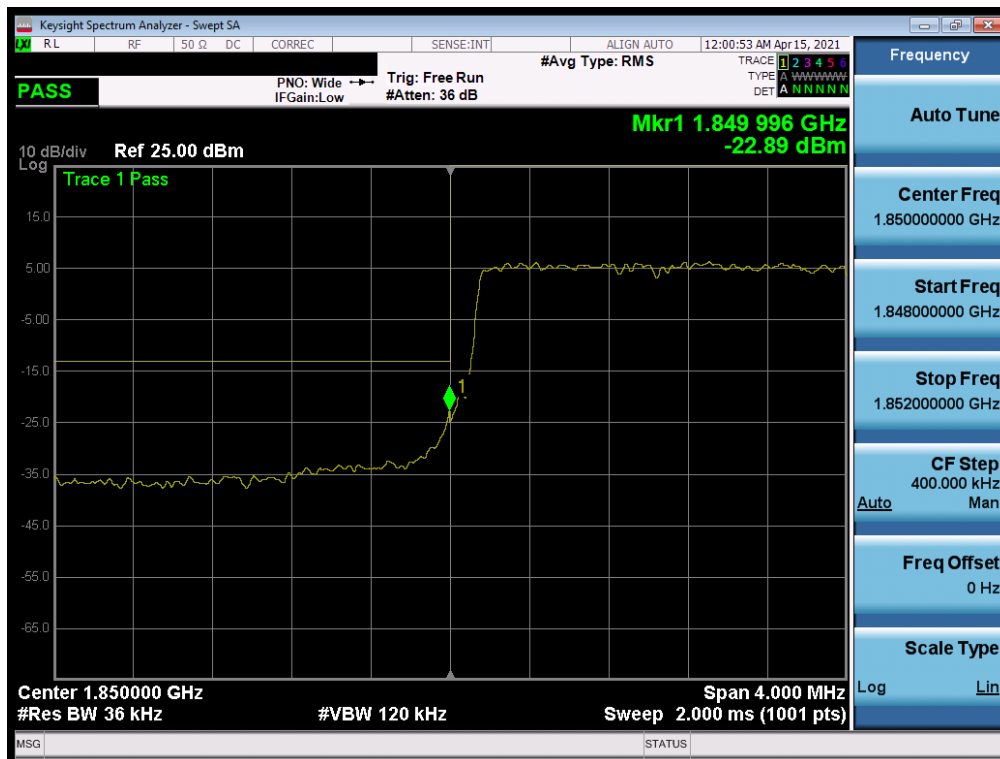


Plot 7-135. Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB)

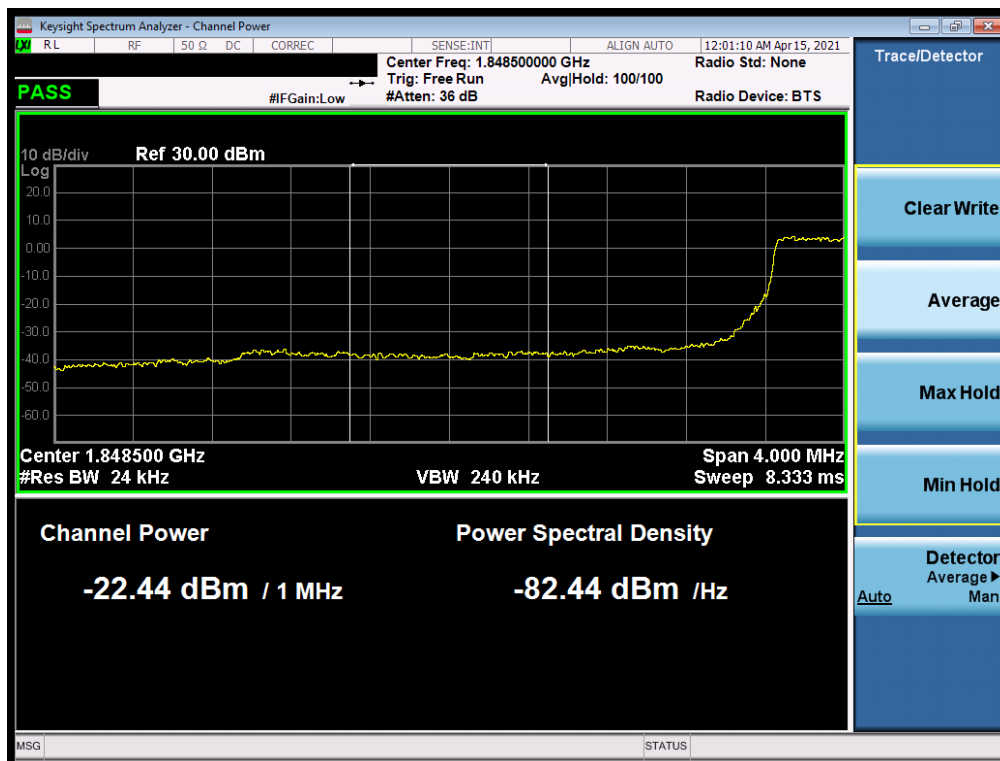


Plot 7-136. Extended Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 90 of 203

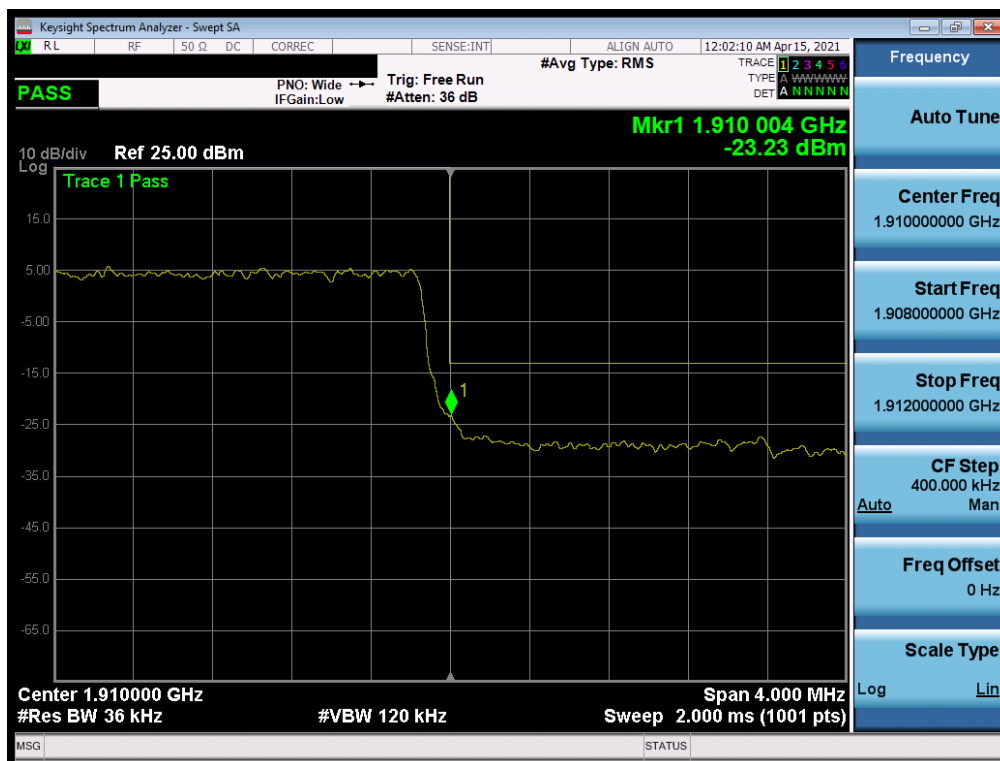


Plot 7-137. Lower Band Edge Plot (LTE Band 25/2 - 3MHz QPSK – Full RB)

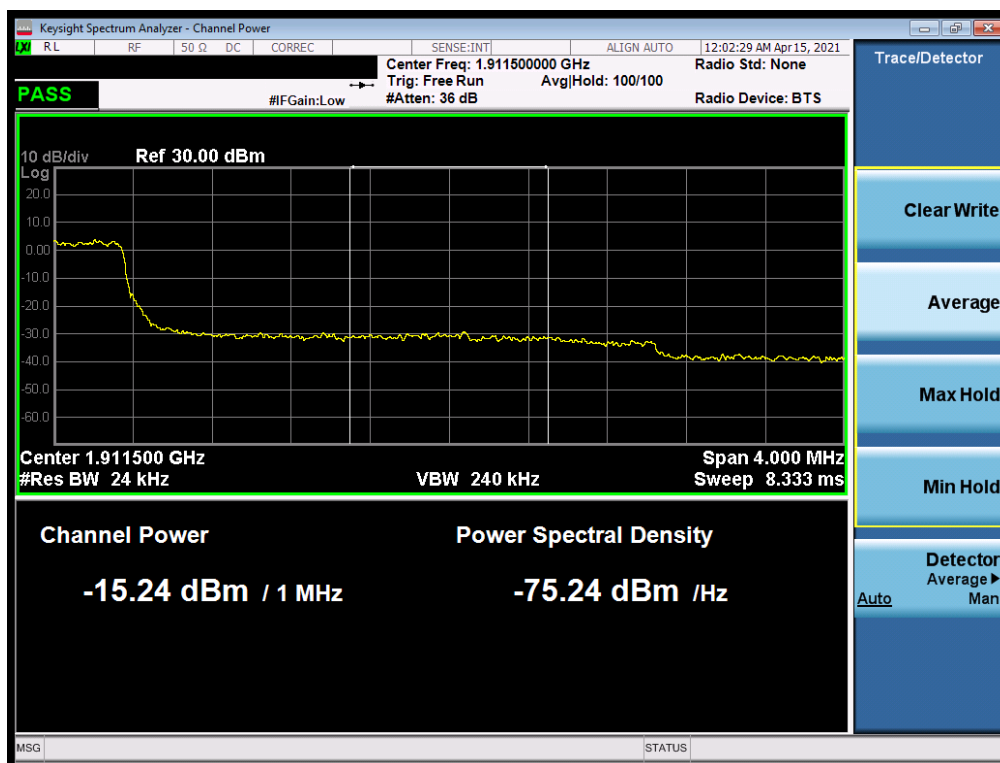


Plot 7-138. Extended Lower Band Edge Plot (LTE Band 25/2 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 91 of 203



Plot 7-139. Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB)

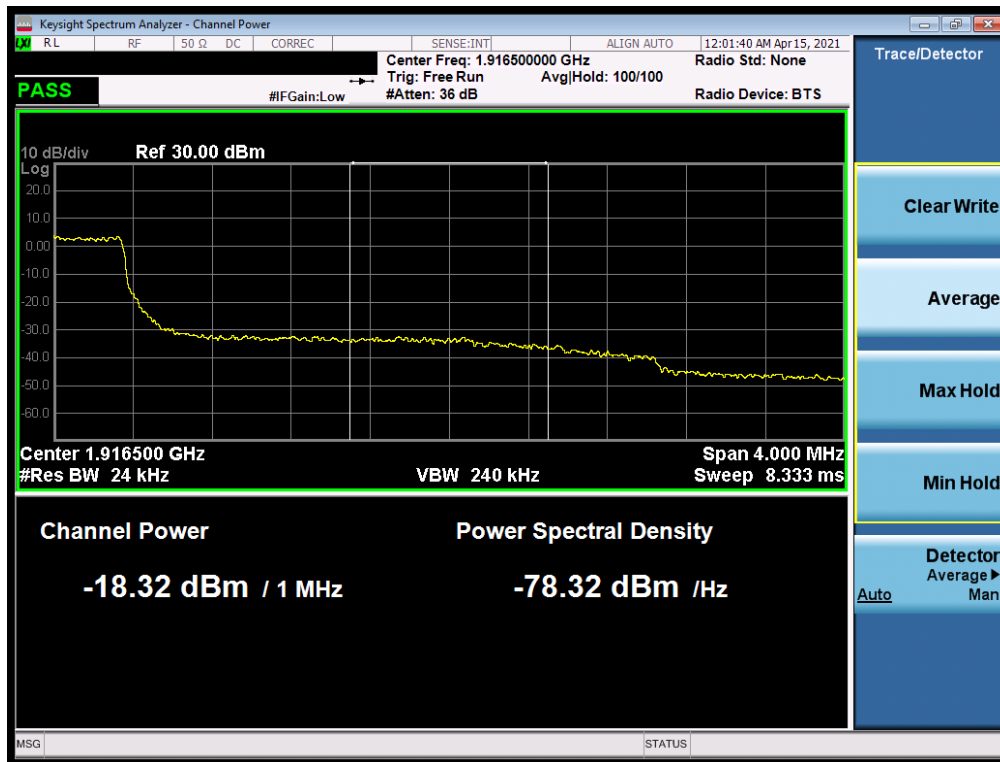


Plot 7-140. Extended Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 92 of 203

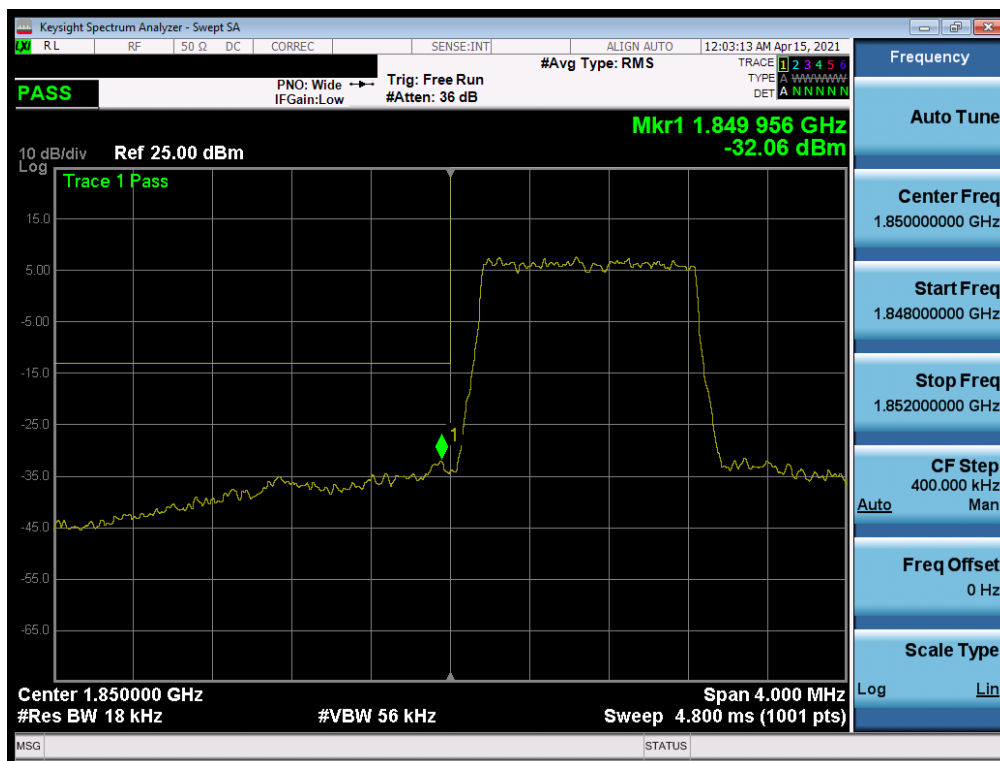


Plot 7-141. Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB)

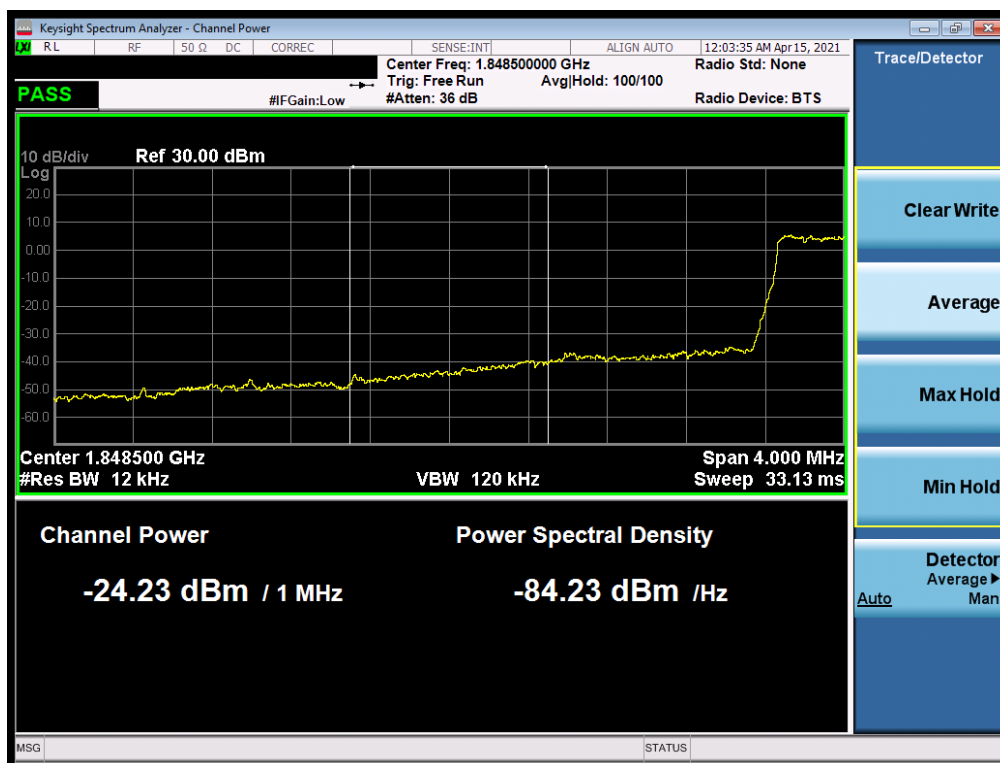


Plot 7-142. Extended Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 93 of 203



Plot 7-143. Lower Band Edge Plot (LTE Band 25/2 – 1.4MHz QPSK – Full RB)

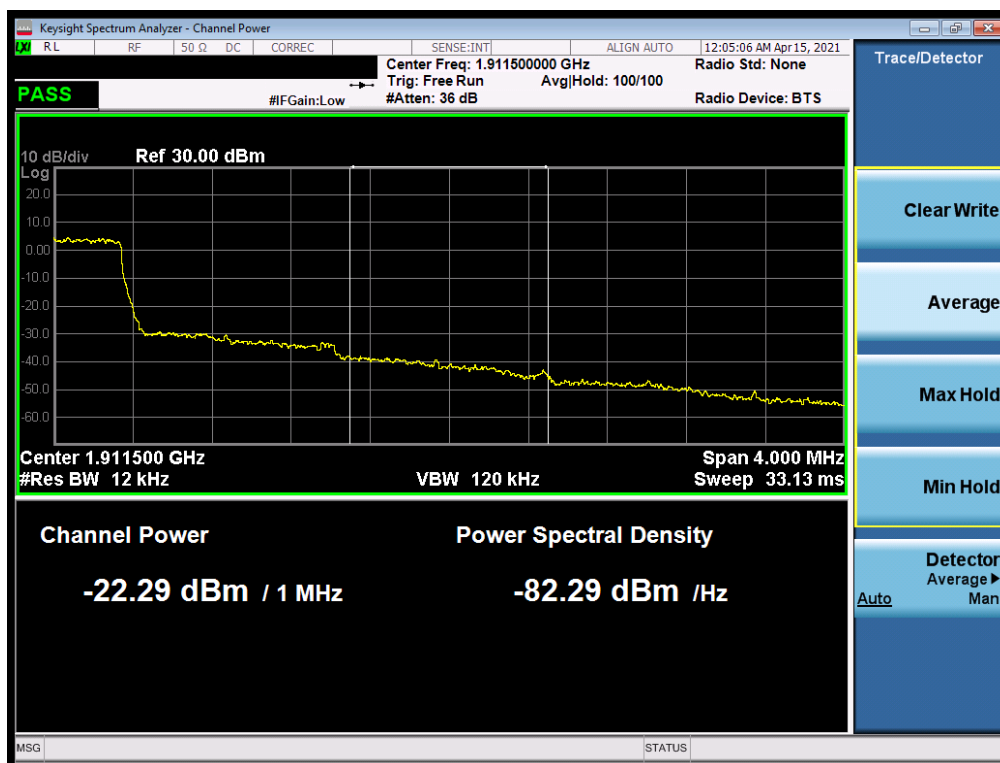


Plot 7-144. Extended Lower Band Edge Plot (LTE Band 25/2 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 94 of 203



Plot 7-145. Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB)

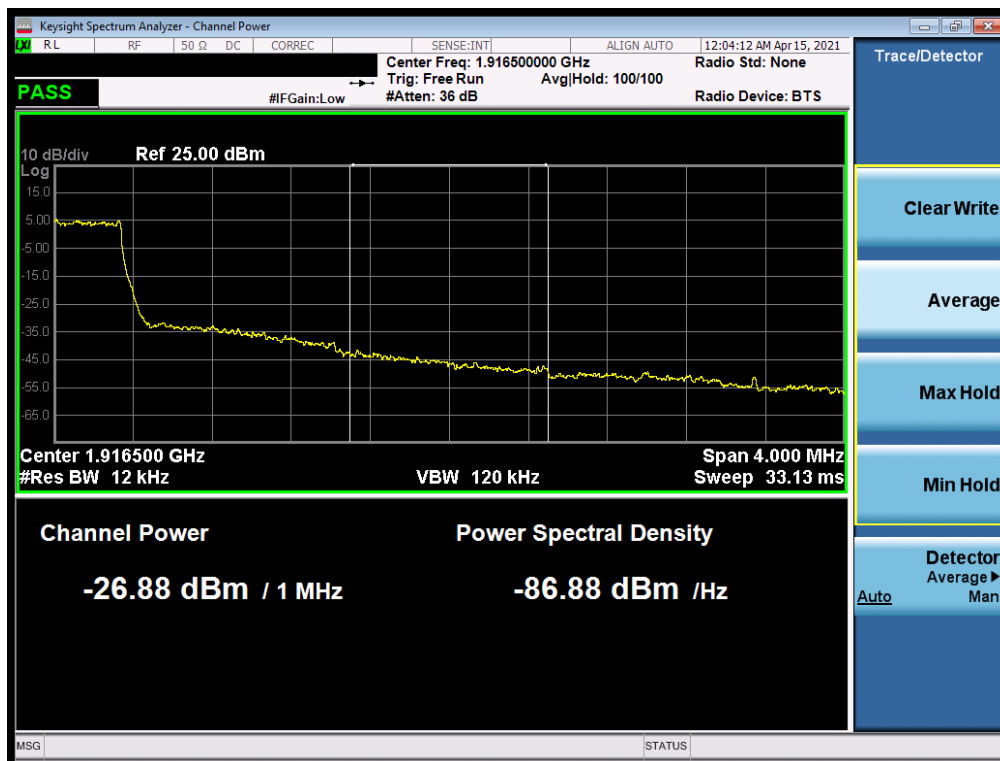


Plot 7-146. Extended Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 95 of 203



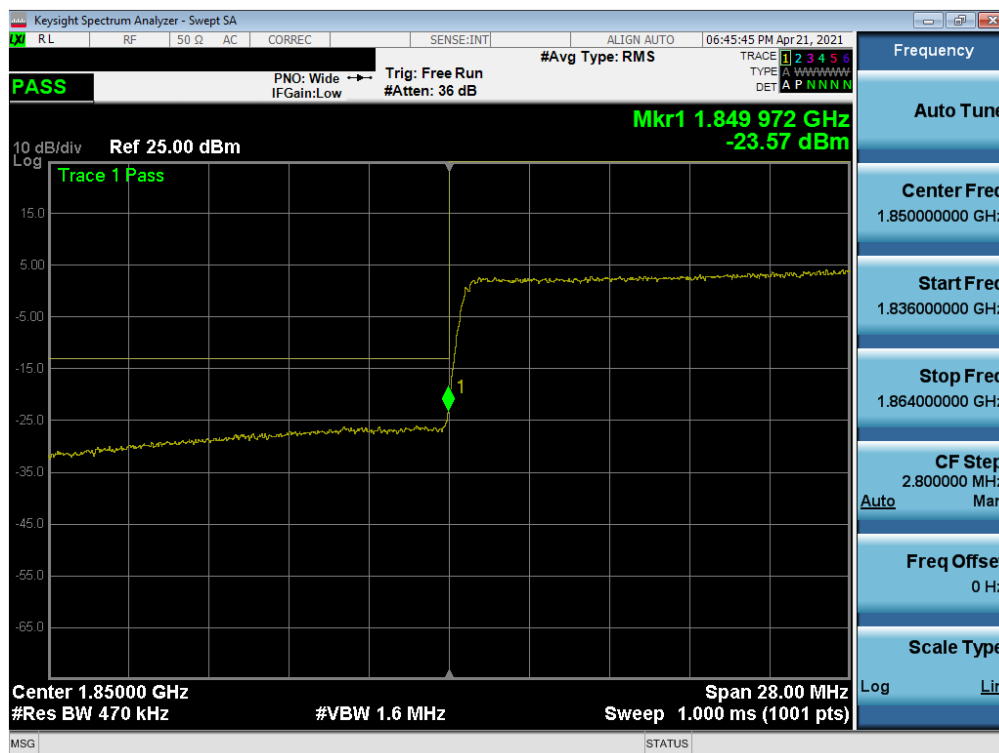
Plot 7-147. Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB)



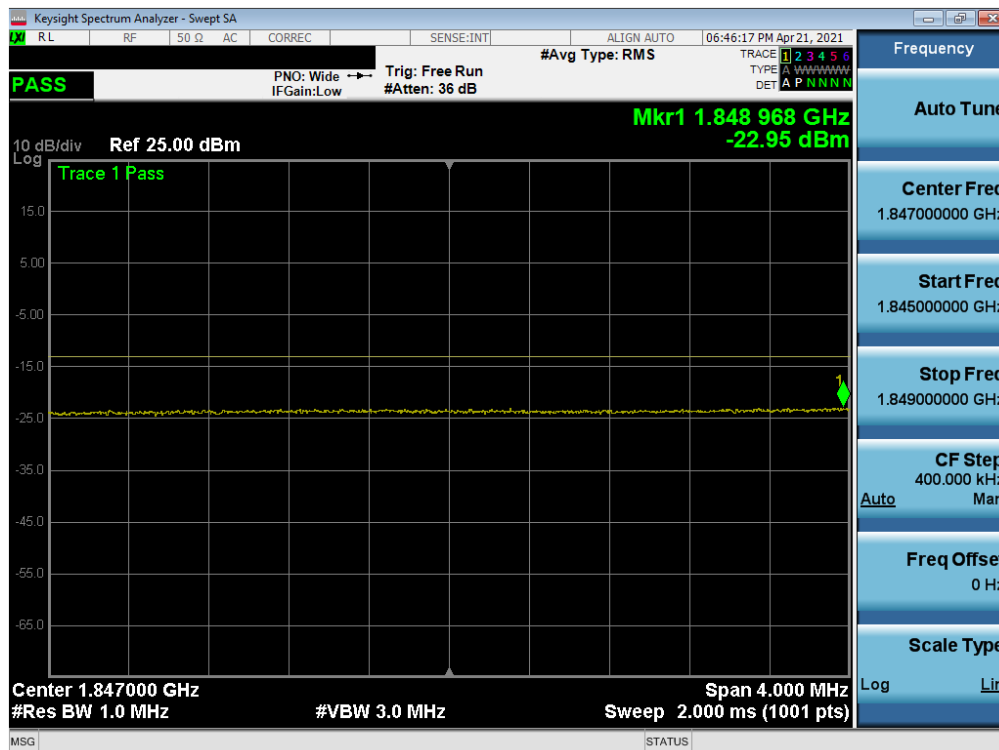
Plot 7-148. Extended Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 96 of 203

NR Band n25 – Ant A



Plot 7-149. Lower Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB)

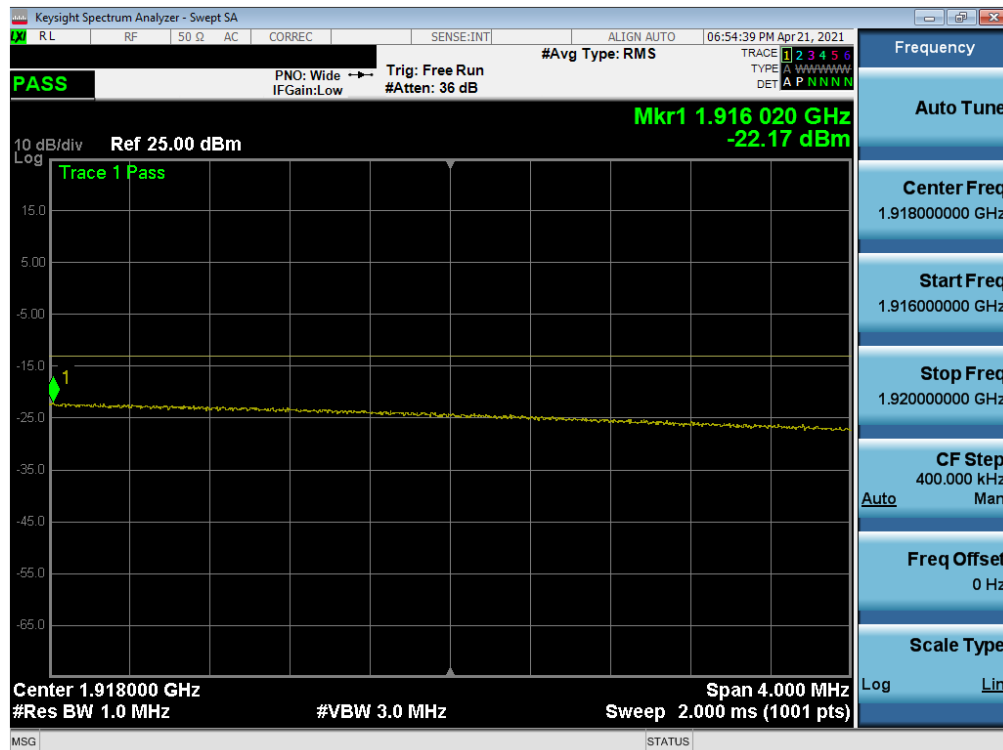


Plot 7-150. Extended Lower Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 97 of 203

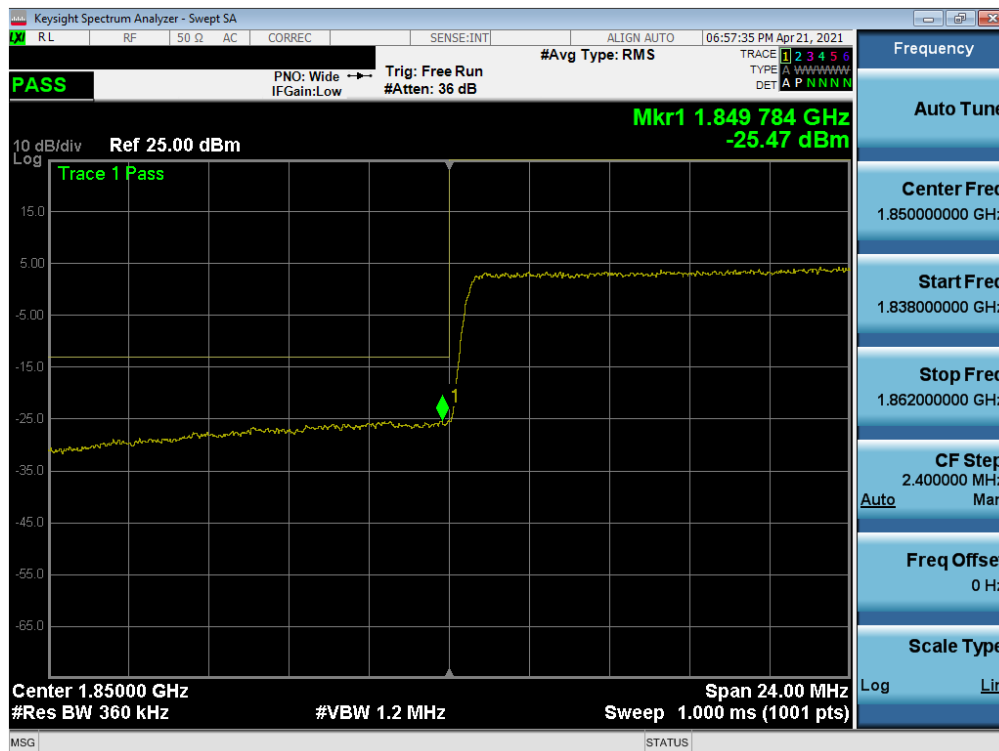


Plot 7-151. Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB)

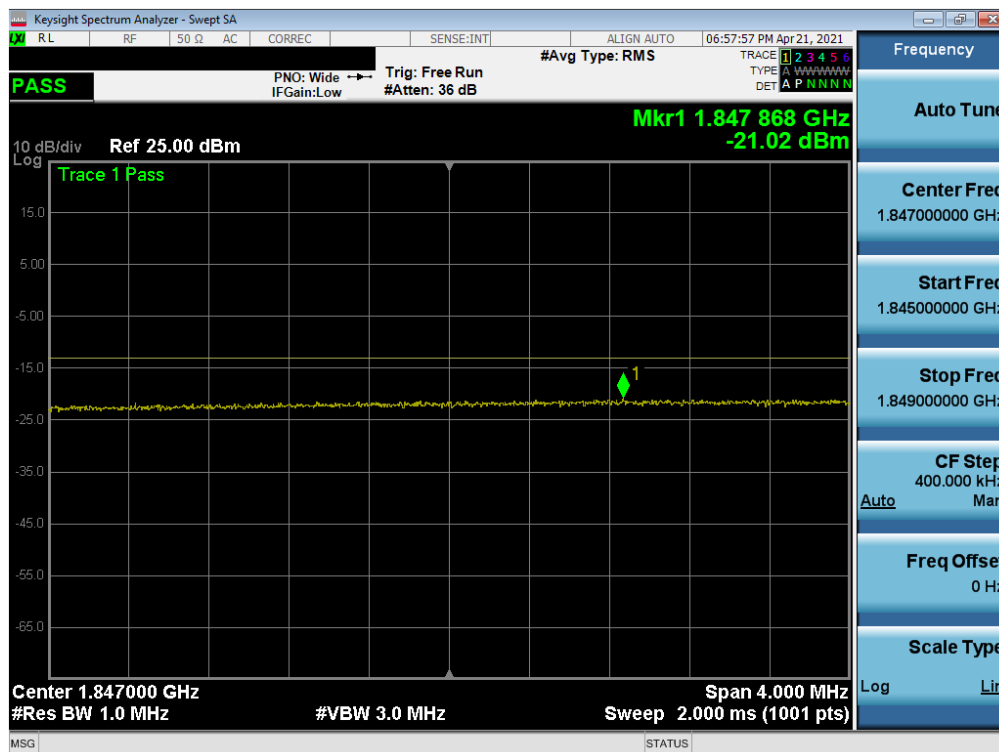


Plot 7-152. Extended Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 98 of 203



Plot 7-153. Lower Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB)

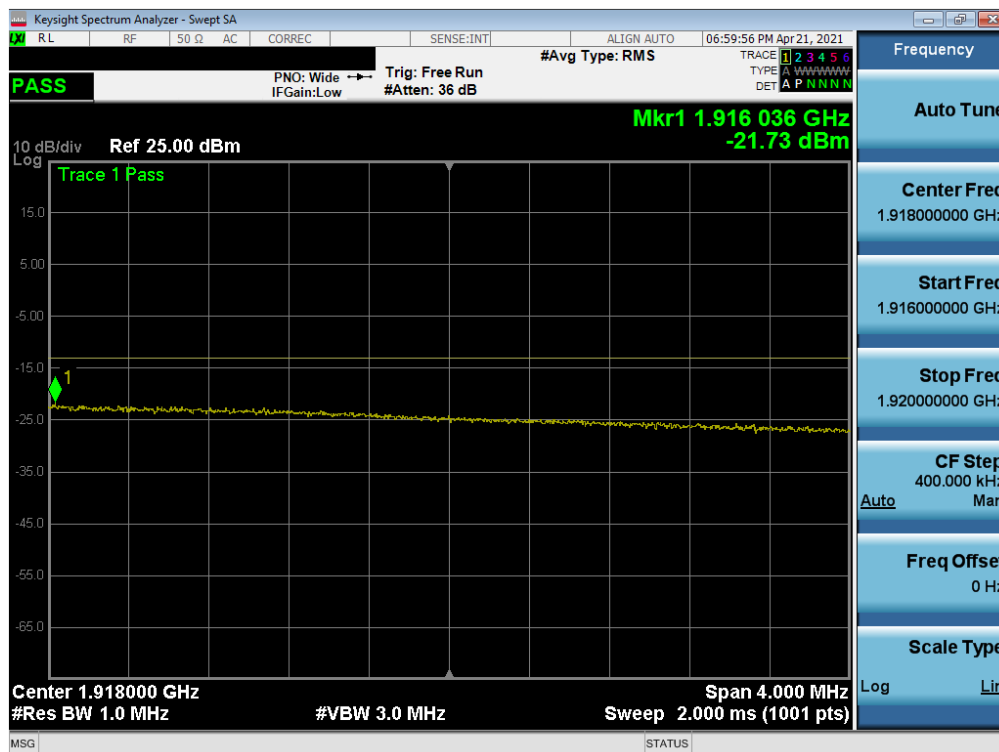


Plot 7-154. Extended Lower Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 99 of 203

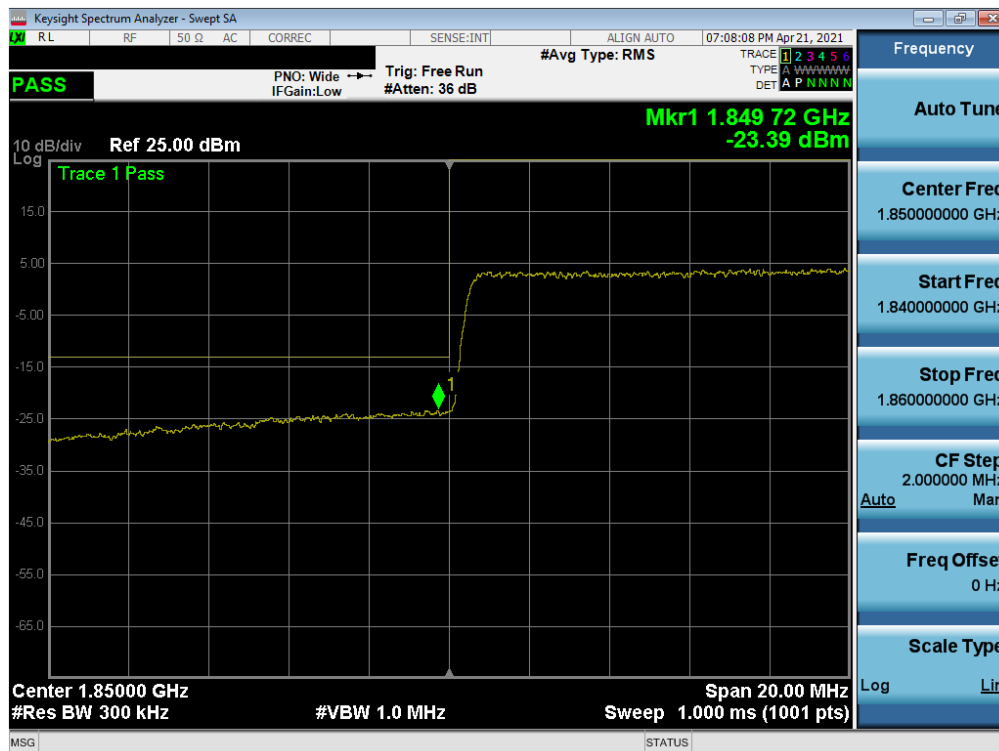


Plot 7-155. Upper Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB)

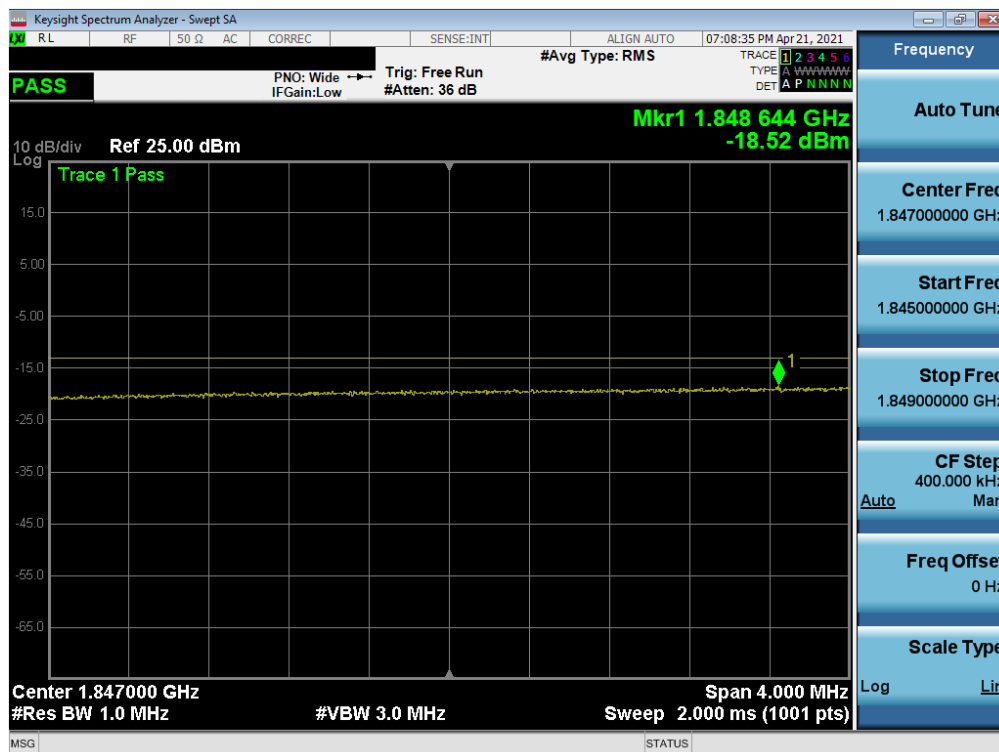


Plot 7-156. Extended Upper Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 100 of 203



Plot 7-157. Lower Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB)

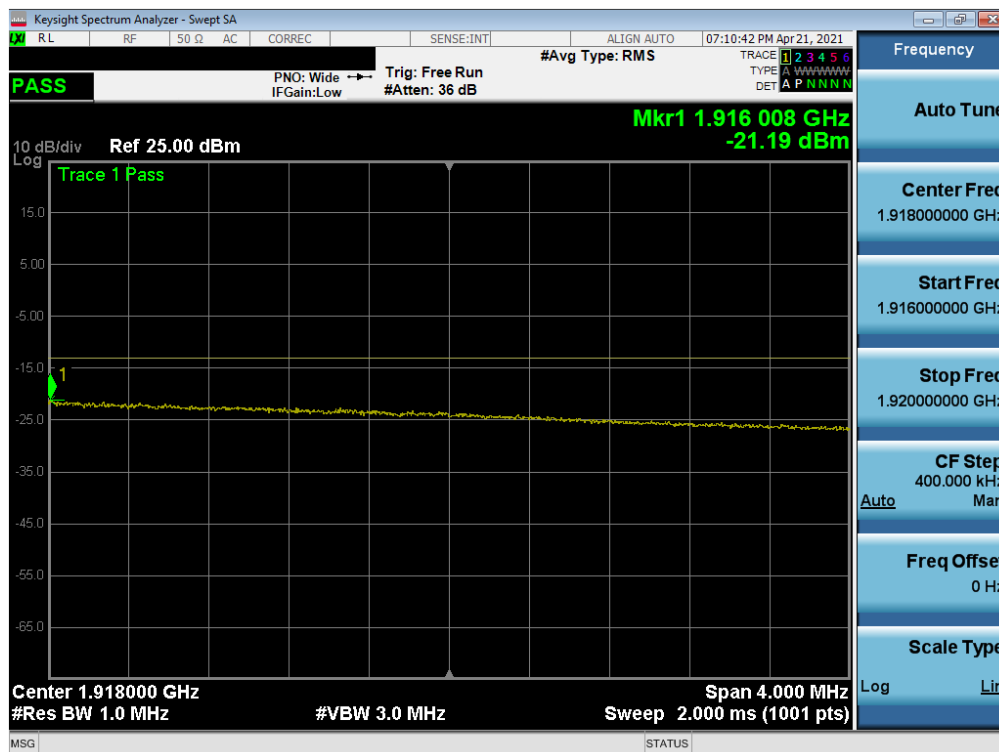


Plot 7-158. Extended Lower Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 101 of 203



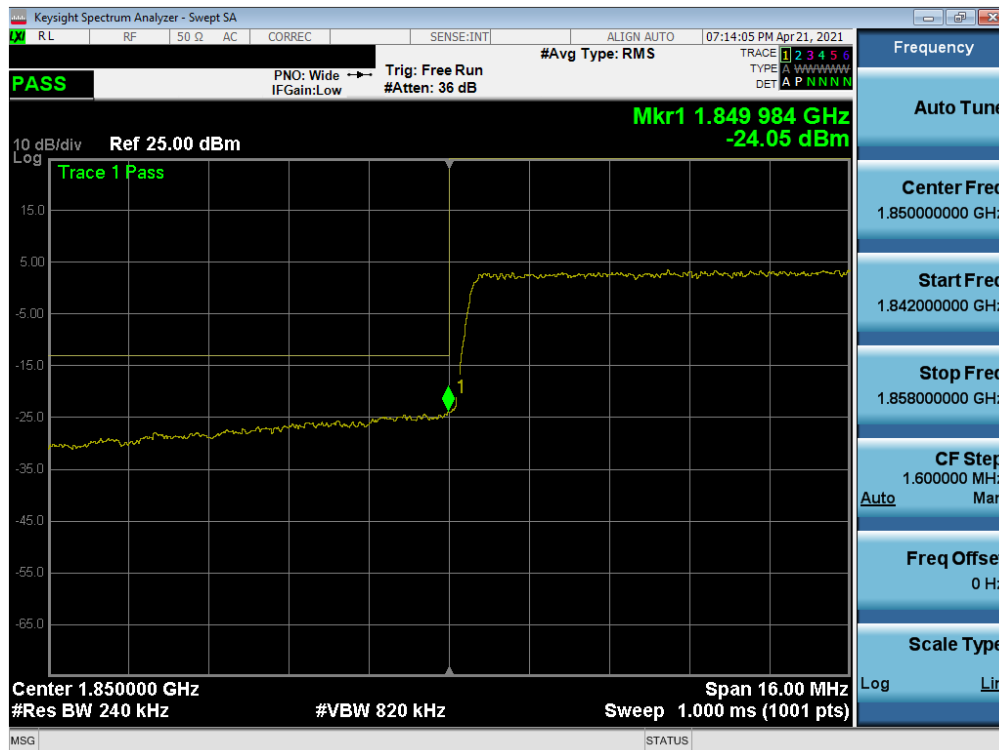
Plot 7-159. Upper Band Edge Plot (NR Band n25 - 25MHz QPSK - Full RB)



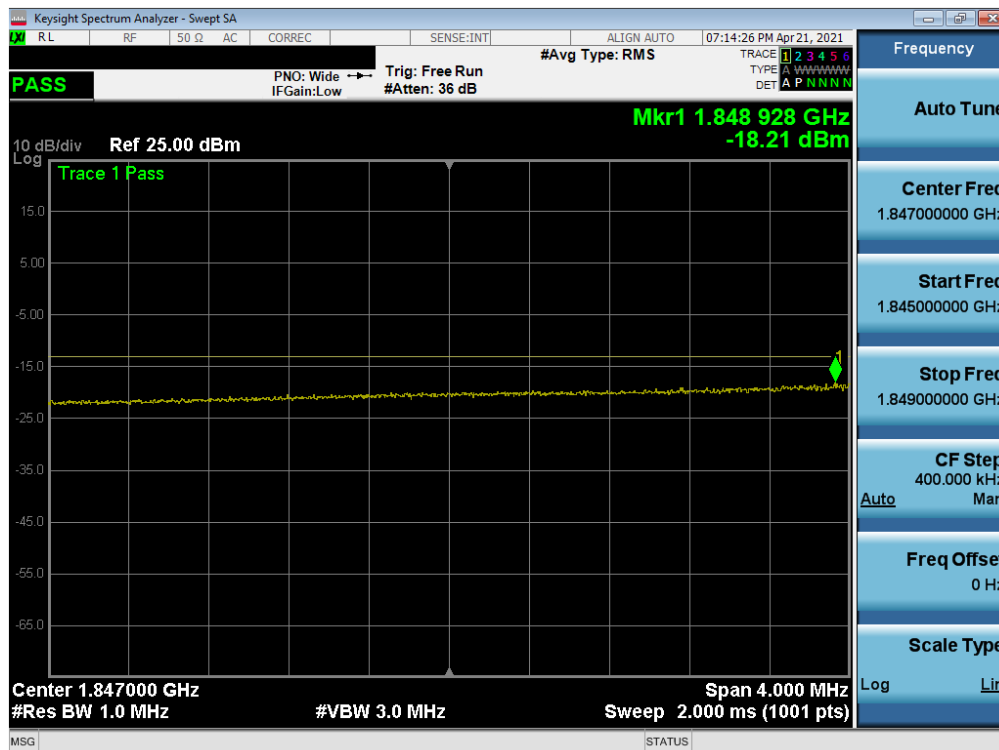
Plot 7-160. Extended Upper Band Edge Plot (NR Band n25 - 25MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 102 of 203

n25/2 – Ant A



Plot 7-161. Lower Band Edge Plot (NR Band n25/2 - 20MHz QPSK – Full RB)

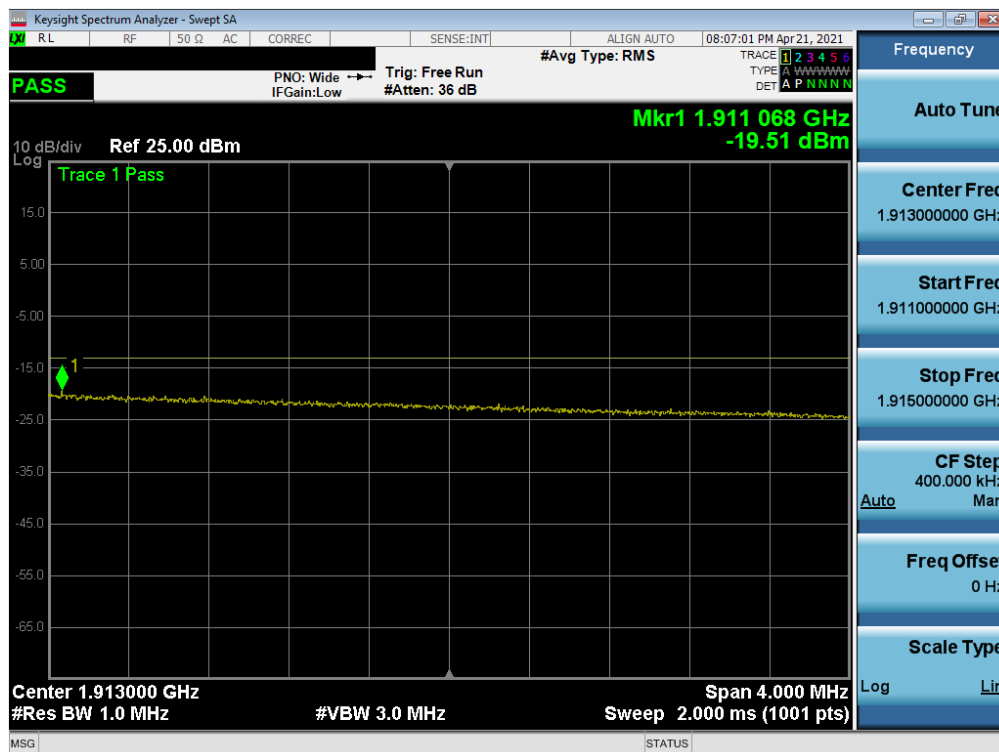


Plot 7-162. Extended Lower Band Edge Plot (NR Band n25/2 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 103 of 203



Plot 7-163. Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB)

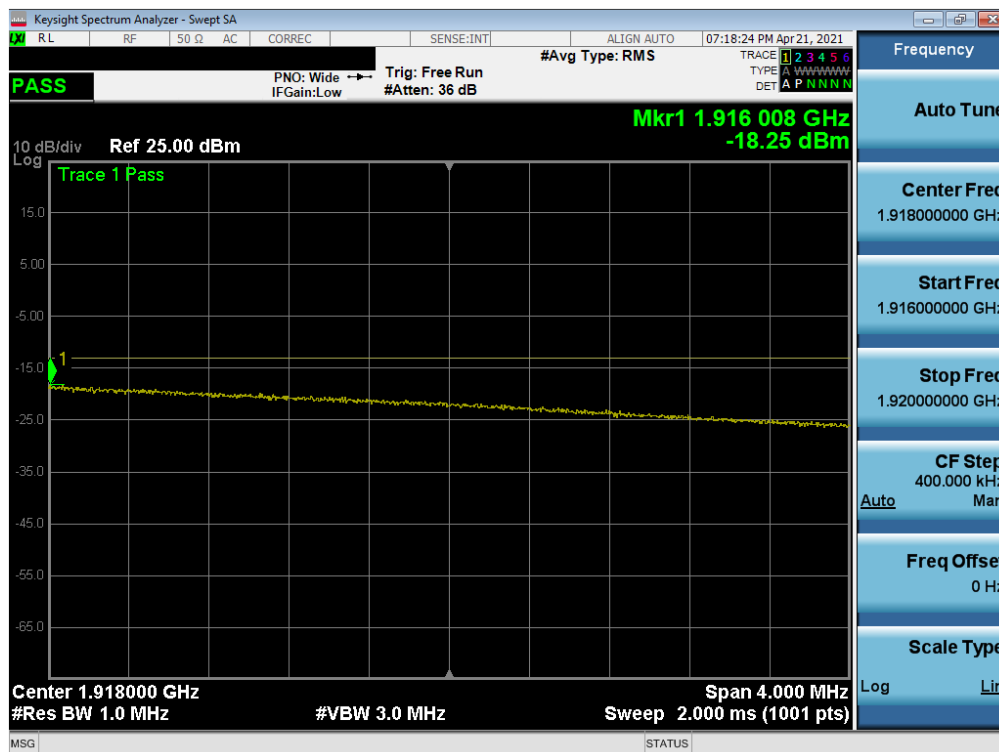


Plot 7-164. Extended Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 104 of 203

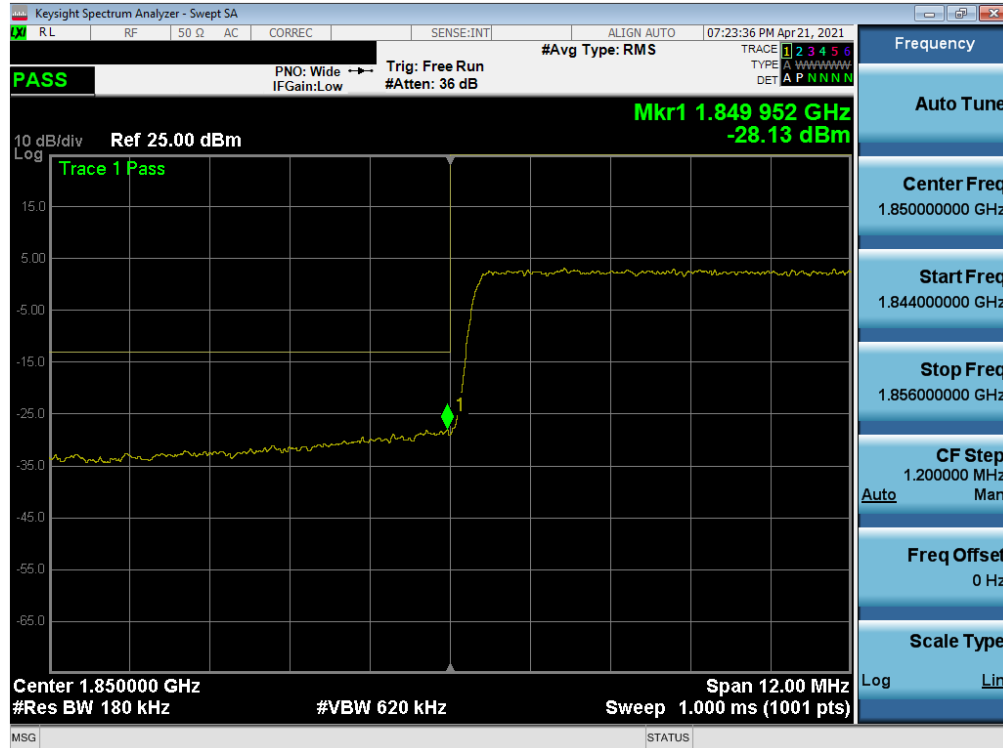


Plot 7-165. Upper Band Edge Plot (NR Band n25 - 20MHz QPSK – Full RB)

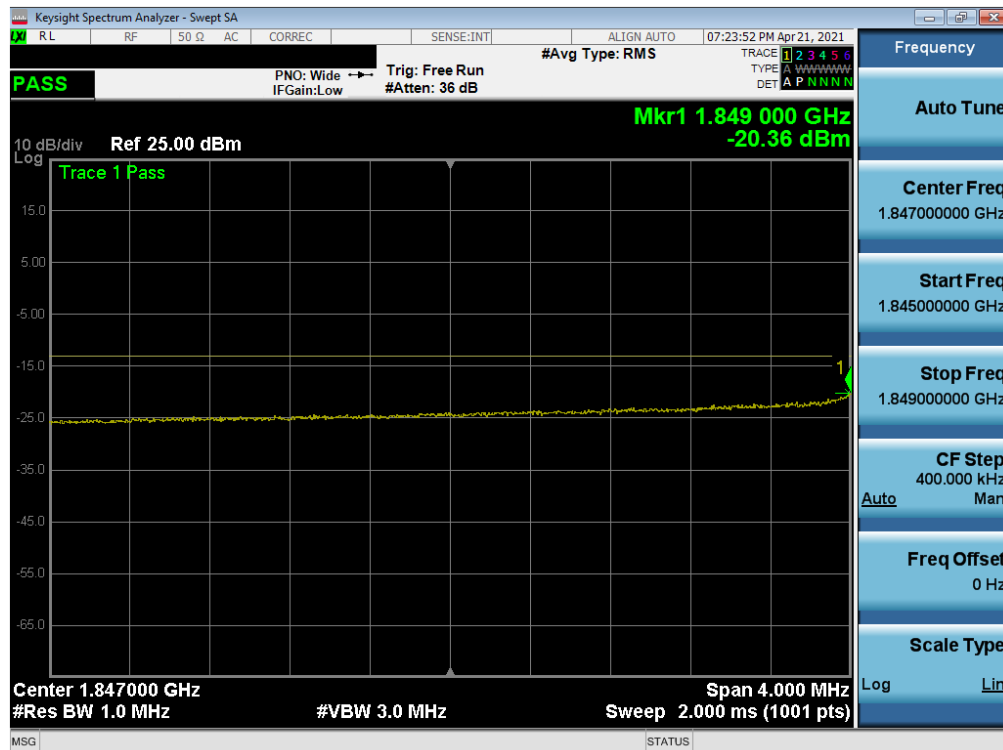


Plot 7-166. Extended Upper Band Edge Plot (NR Band n25 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 105 of 203



Plot 7-167. Lower Band Edge Plot (NR Band n25/2 - 15MHz QPSK – Full RB)

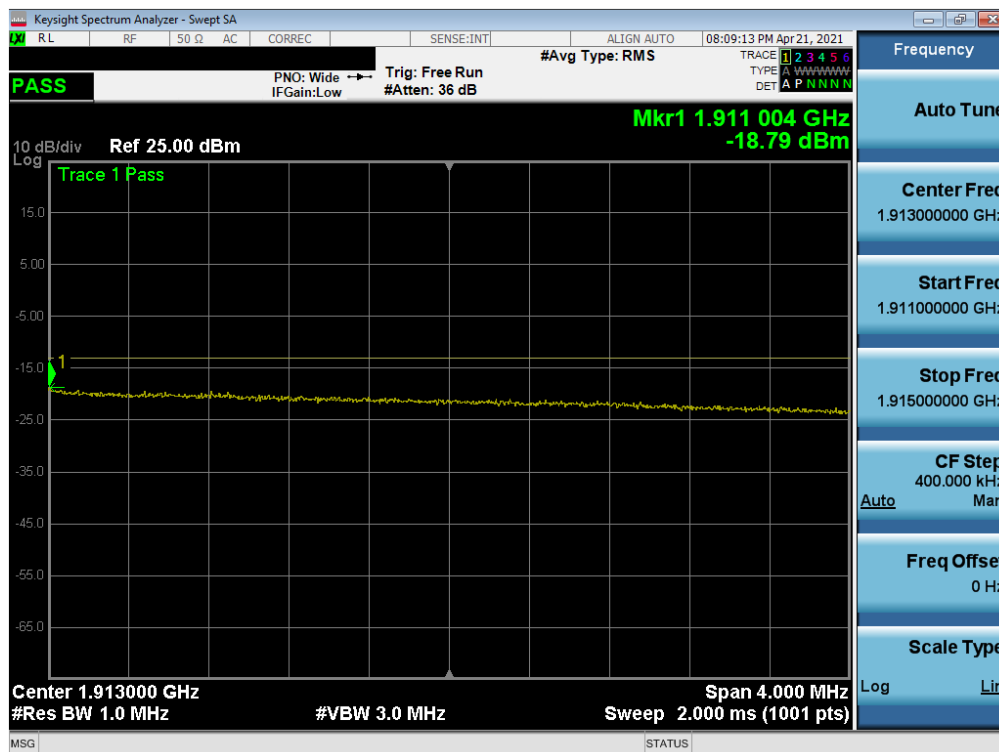


Plot 7-168. Extended Lower Band Edge Plot (NR Band n25/2 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 106 of 203



Plot 7-169. Upper Band Edge Plot (NR Band n2 - 15MHz QPSK - Full RB)

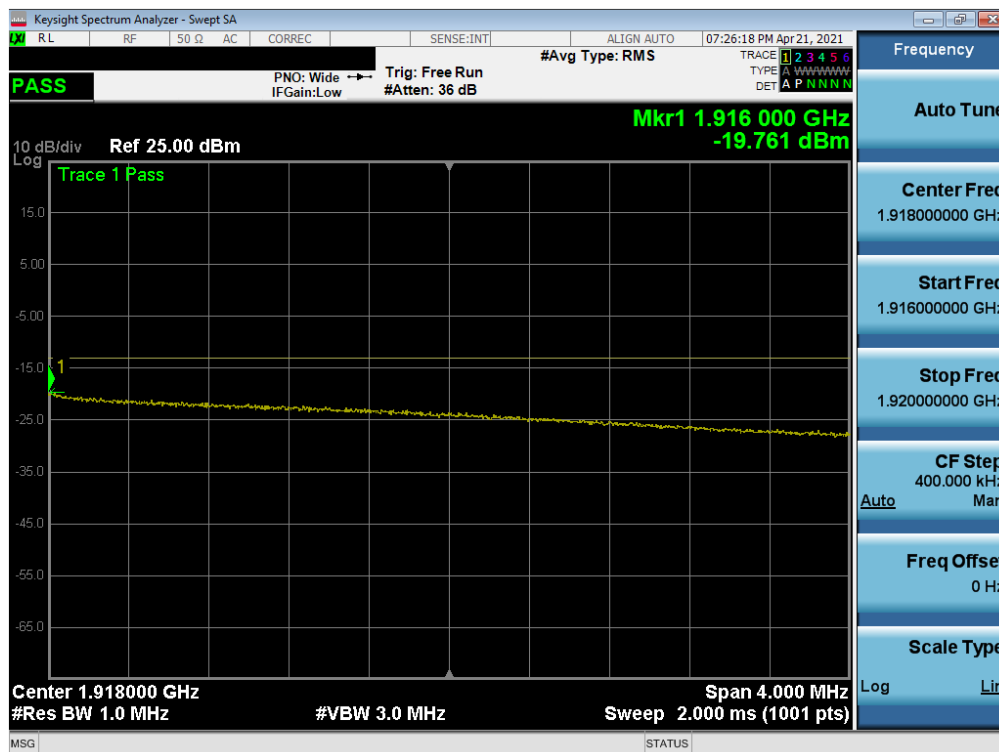


Plot 7-170. Extended Upper Band Edge Plot (NR Band n2 - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 107 of 203

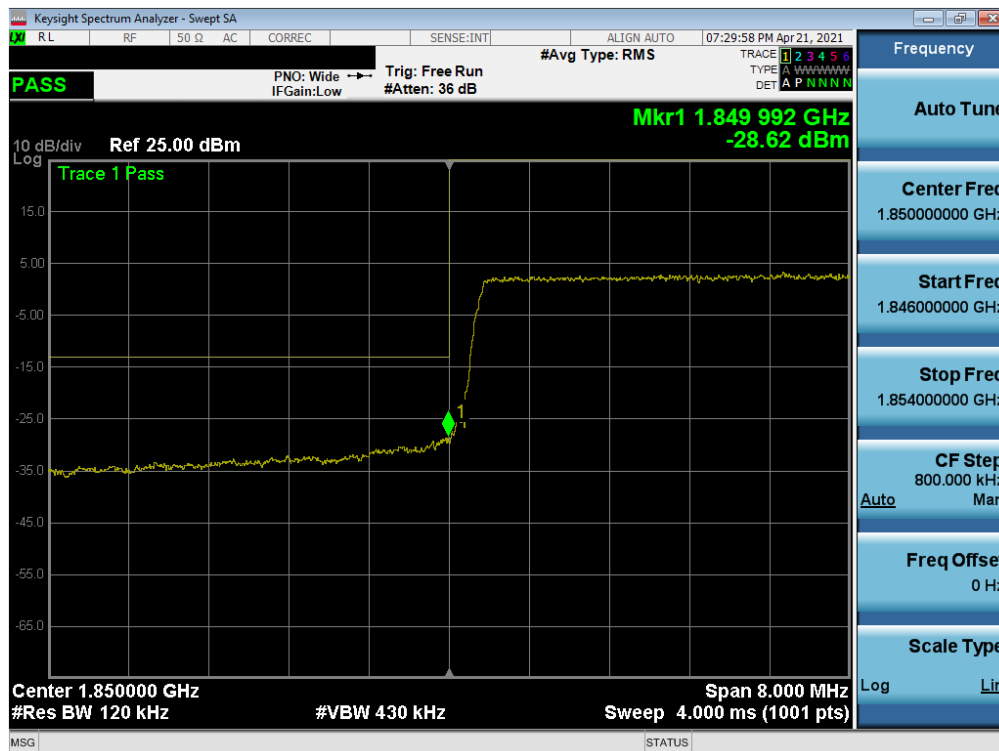


Plot 7-171. Upper Band Edge Plot (NR Band n25 - 15MHz QPSK – Full RB)

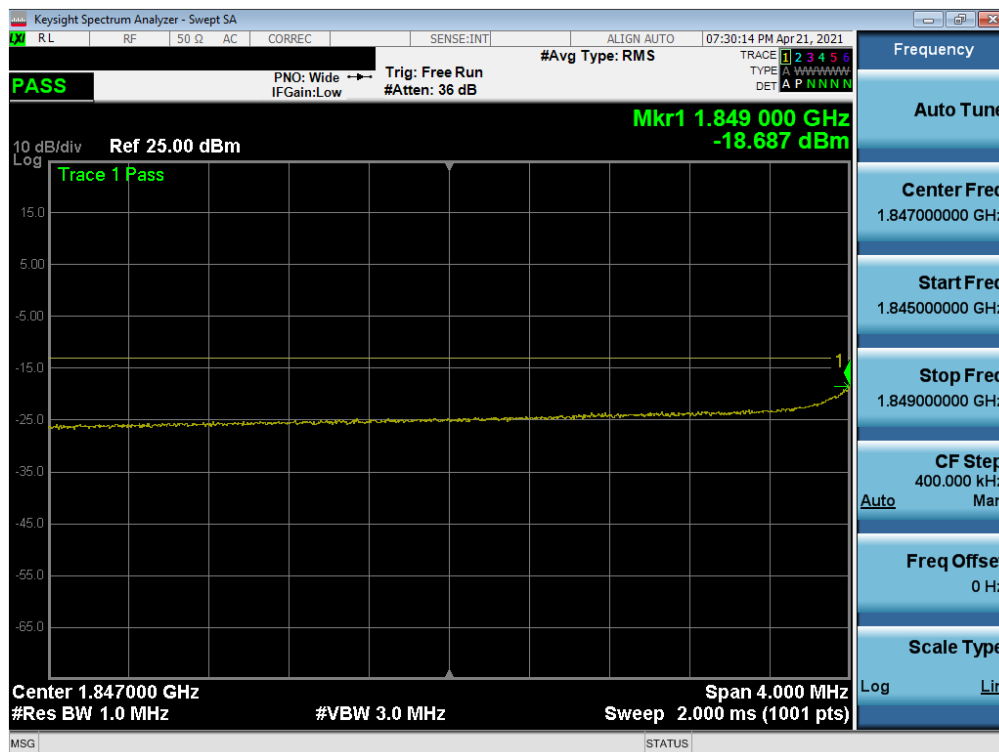


Plot 7-172. Extended Upper Band Edge Plot (NR Band n25 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 108 of 203



Plot 7-173. Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB)

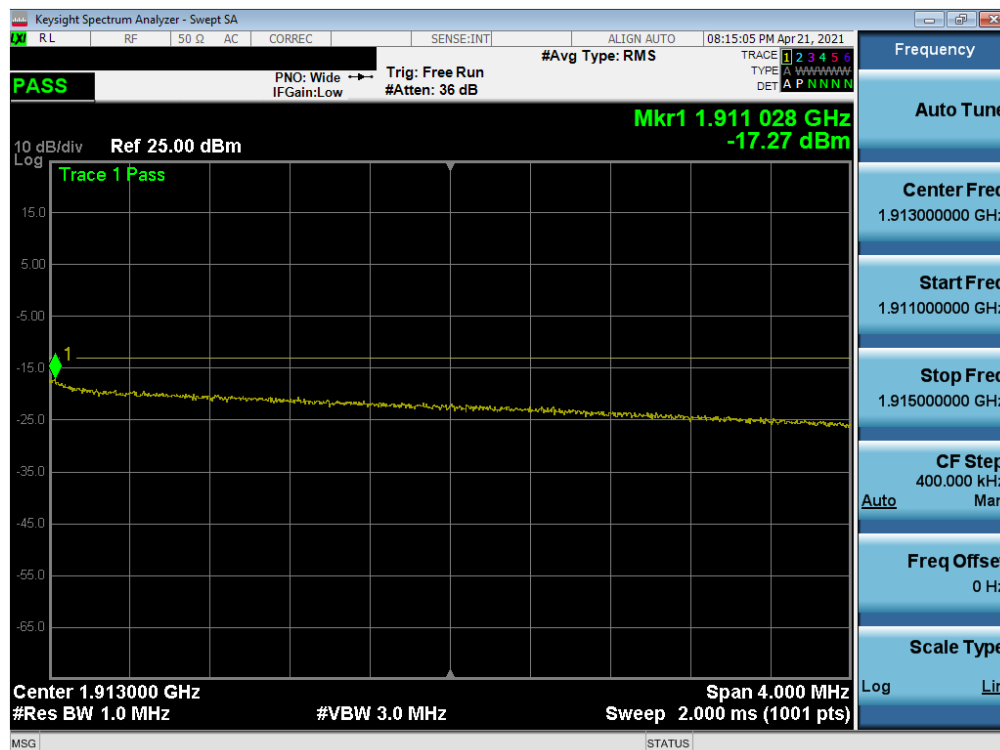


Plot 7-174. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 109 of 203



Plot 7-175. Upper Band Edge Plot (NR Band n2 - 10MHz QPSK - Full RB)



Plot 7-176. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 110 of 203

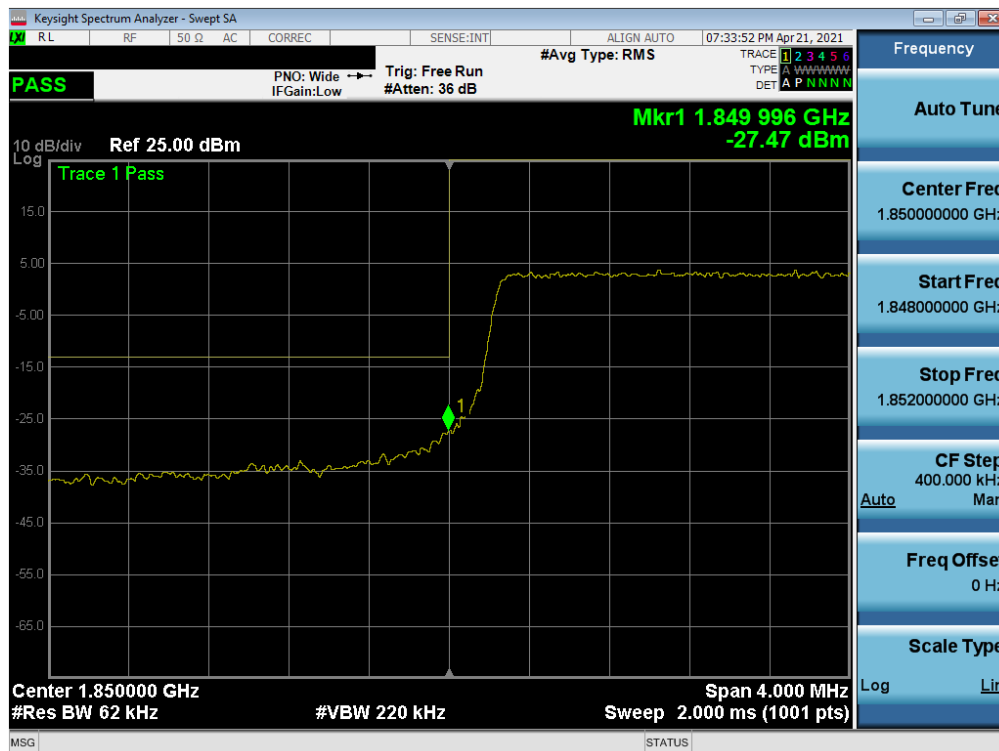


Plot 7-177. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB)

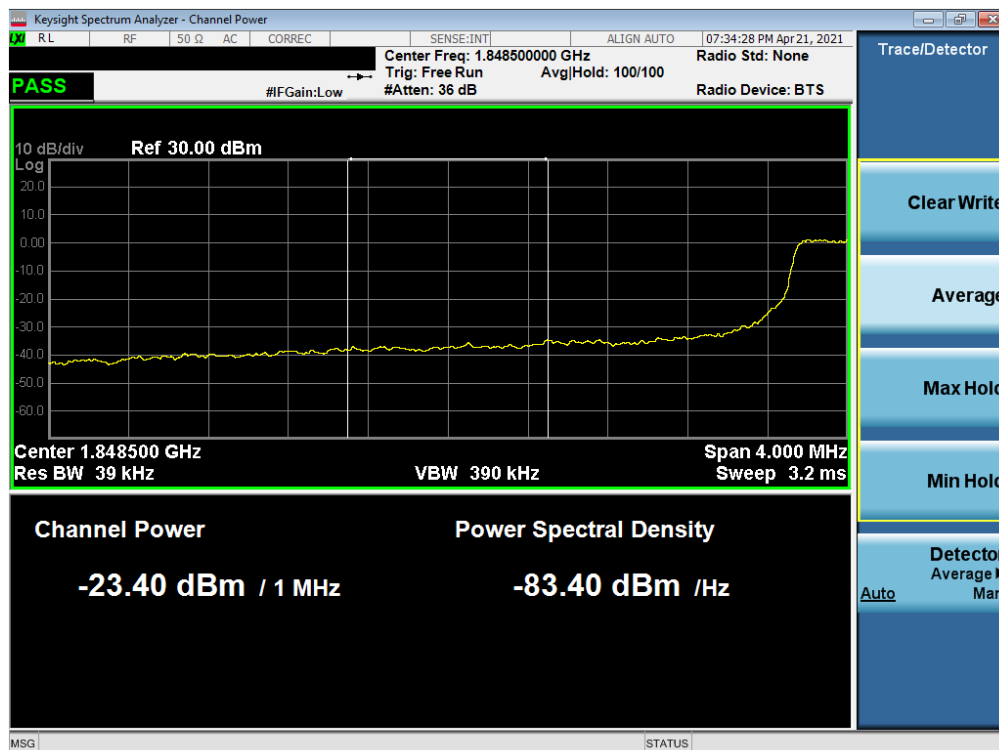


Plot 7-178. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 111 of 203



Plot 7-179. Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB)

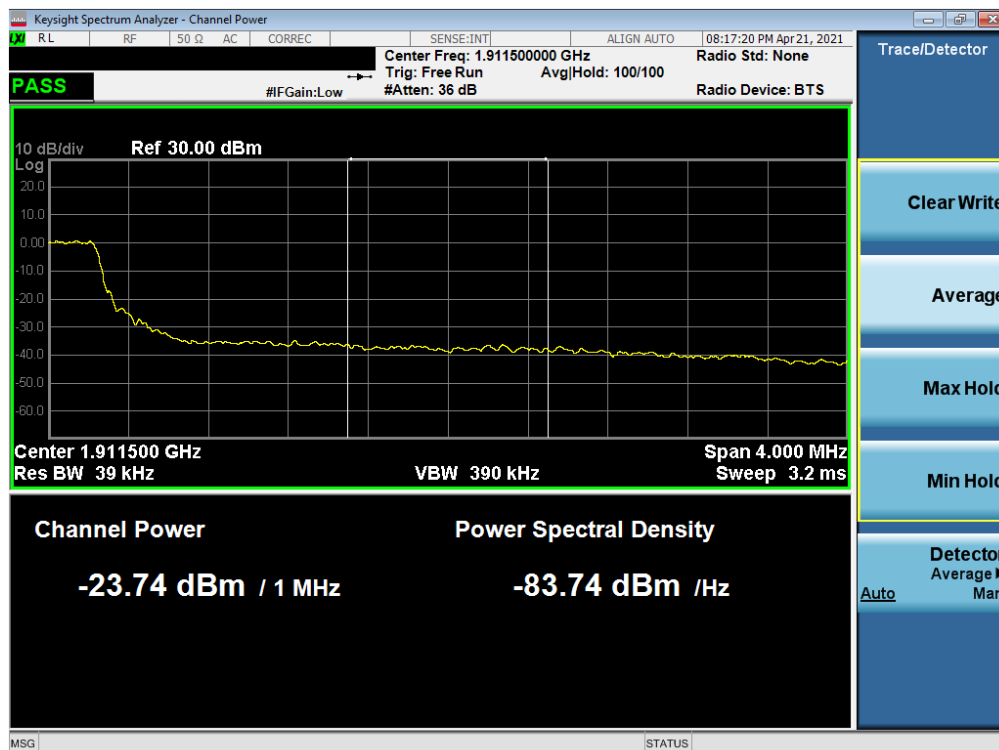


Plot 7-180. Extended Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 112 of 203



Plot 7-181. Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB)

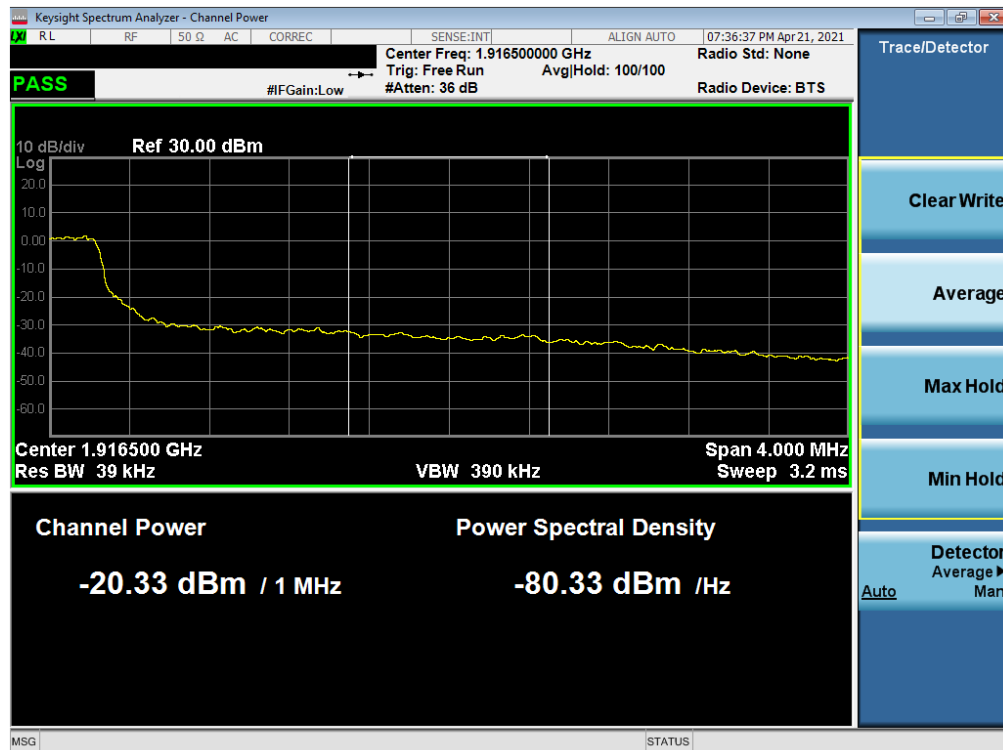


Plot 7-182. Extended Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 113 of 203



Plot 7-183. Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB)



Plot 7-184. Extended Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 114 of 203

NR Band n25 – Ant I



Plot 7-185. Lower Band Edge Plot (NR Band n25 – 40MHz QPSK – Full RB)



Plot 7-186. Extended Lower Band Edge Plot (NR Band n25 – 40MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-04.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 115 of 203