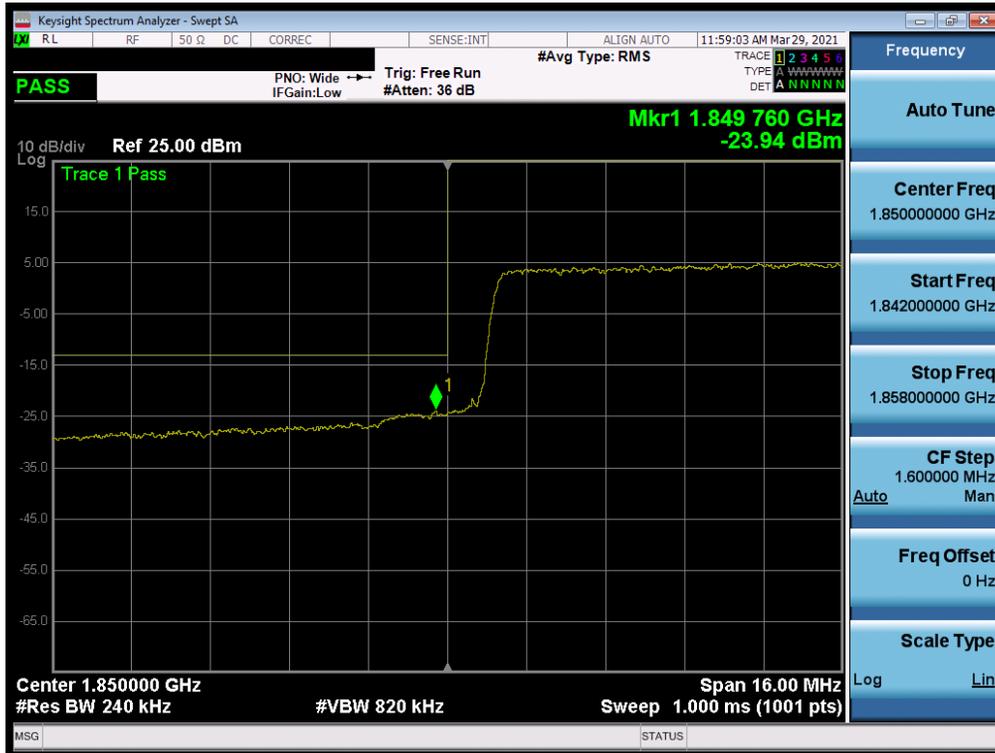
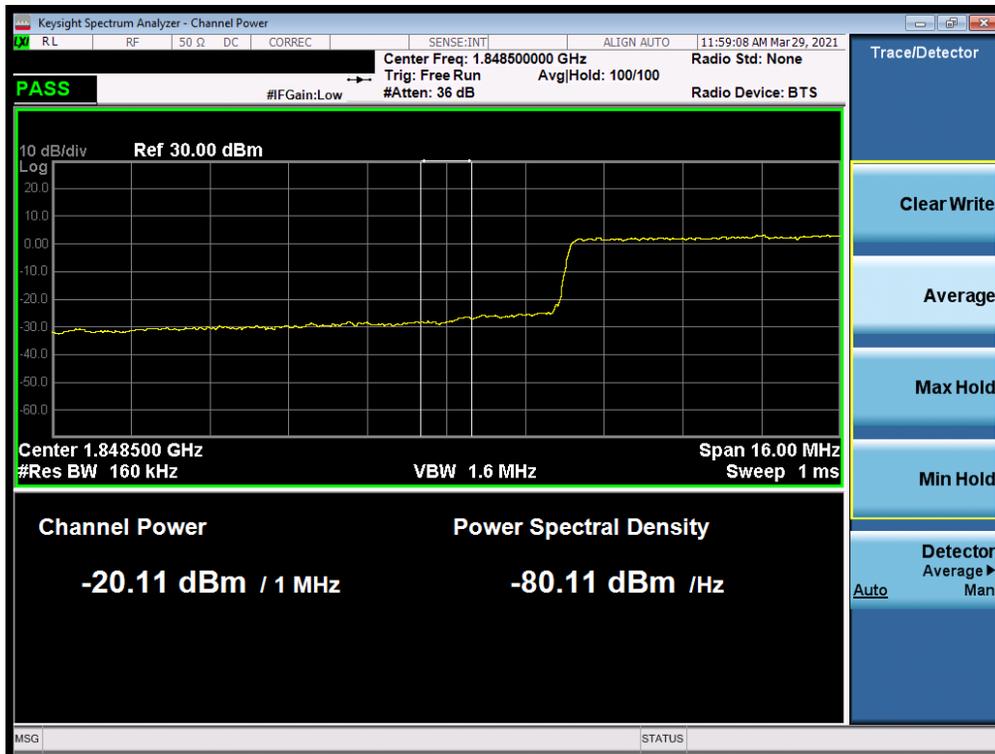


LTE Band 25/2

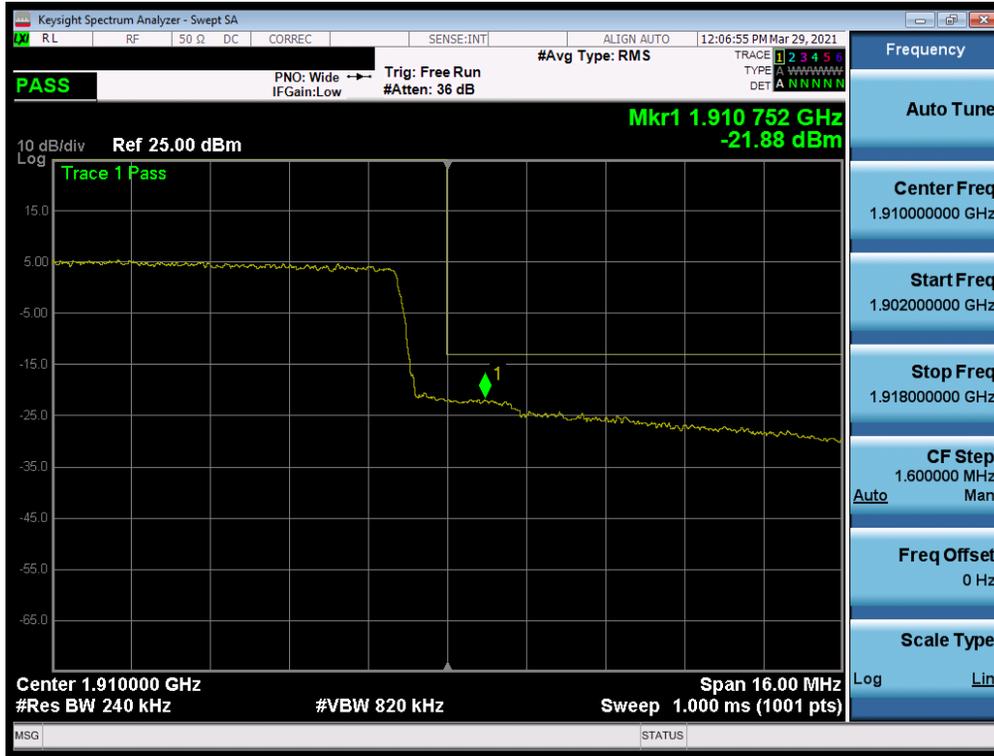


Plot 7-114. Lower Band Edge Plot (LTE Band 25/2 - 20MHz QPSK – Full RB)

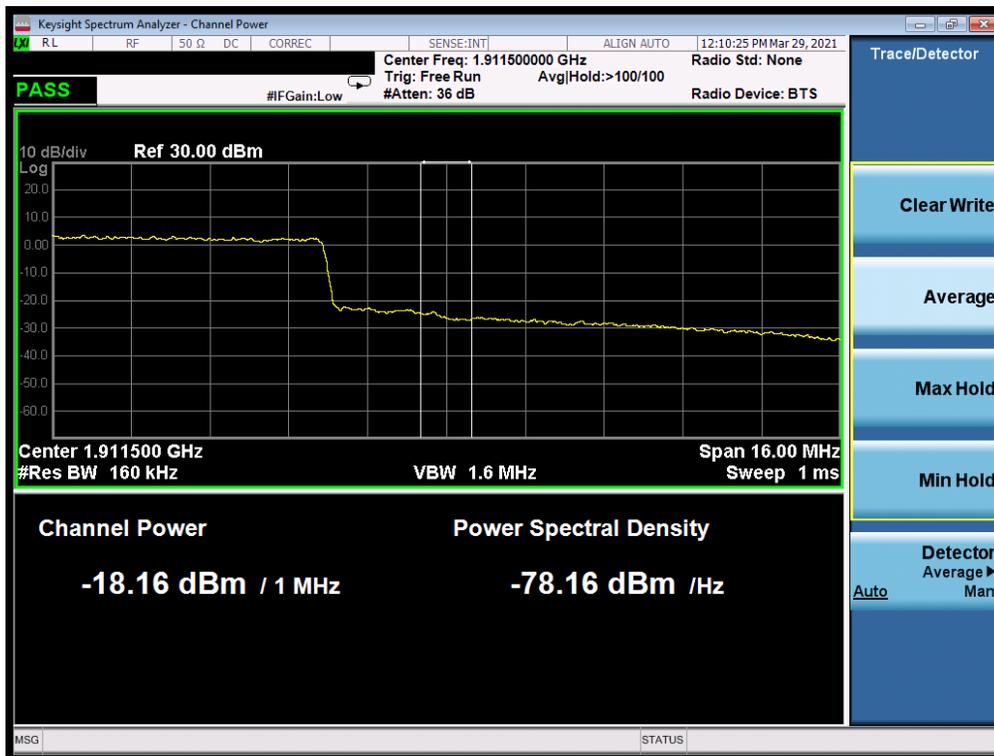


Plot 7-115. Extended Lower Band Edge Plot (LTE Band 25/2 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-116. Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB)

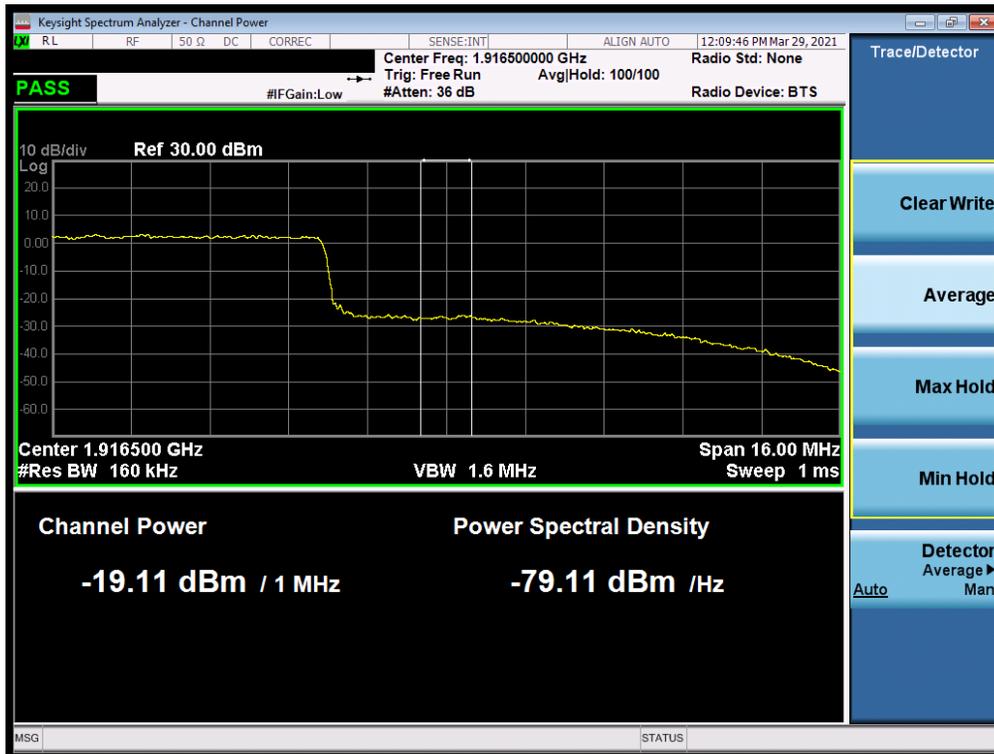


Plot 7-117. Extended Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 79 of 197

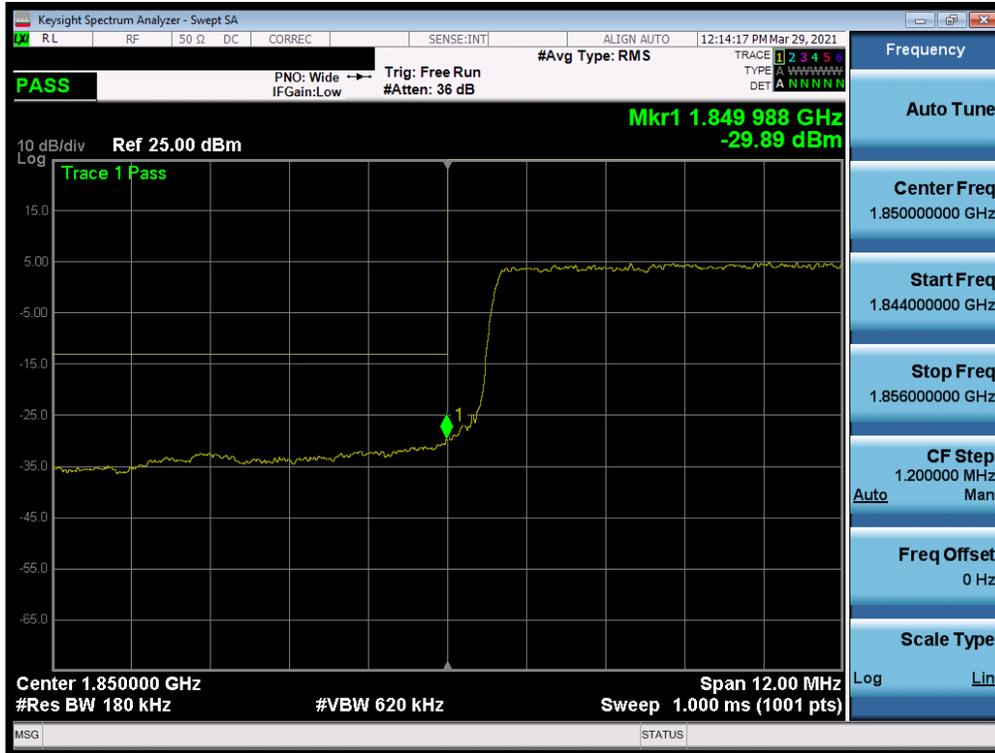


Plot 7-118. Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB)

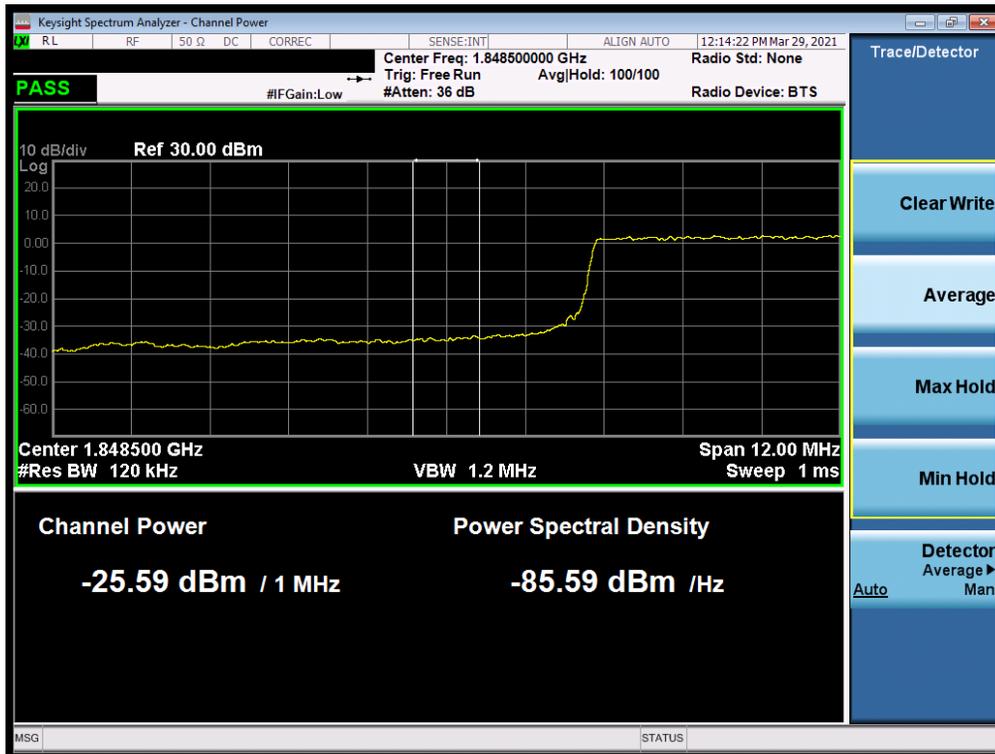


Plot 7-119. Extended Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 80 of 197



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

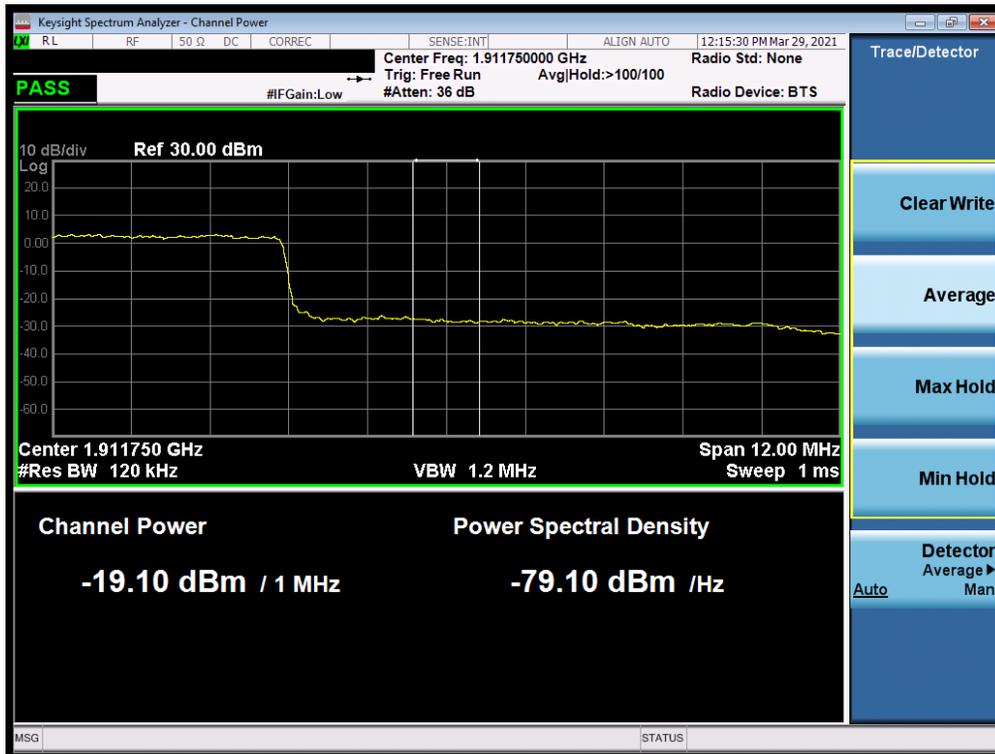


Plot 7-121. Extended Lower Band Edge Plot (LTE Band 25/2 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 81 of 197



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

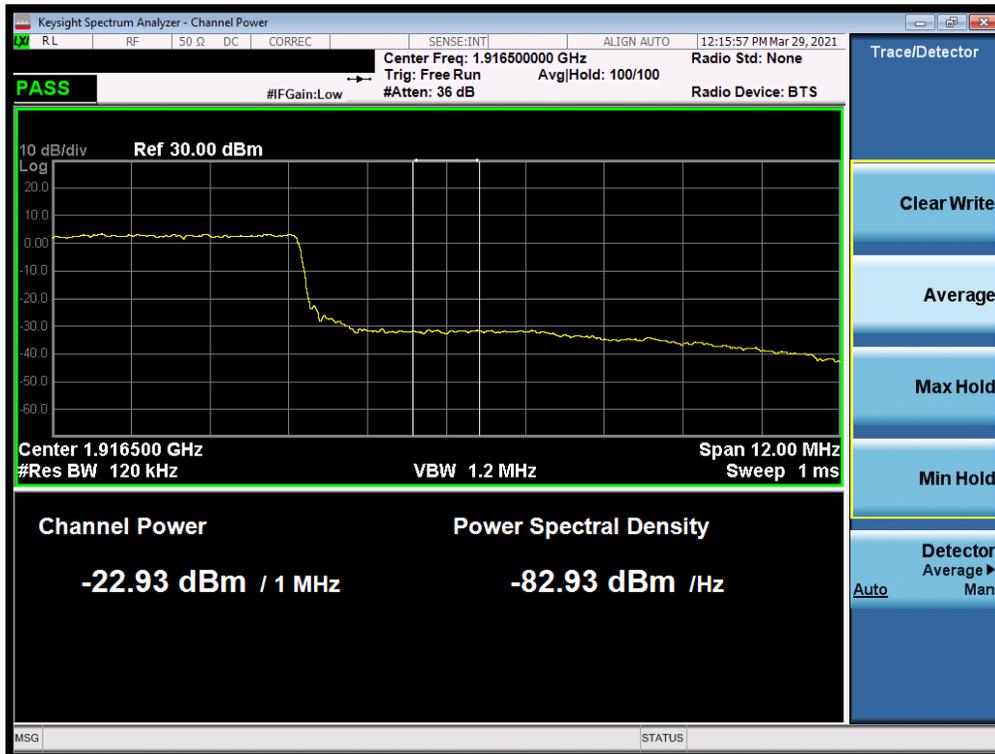


Plot 7-123. Extended Upper Band Edge Plot (LTE Band 2 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 82 of 197

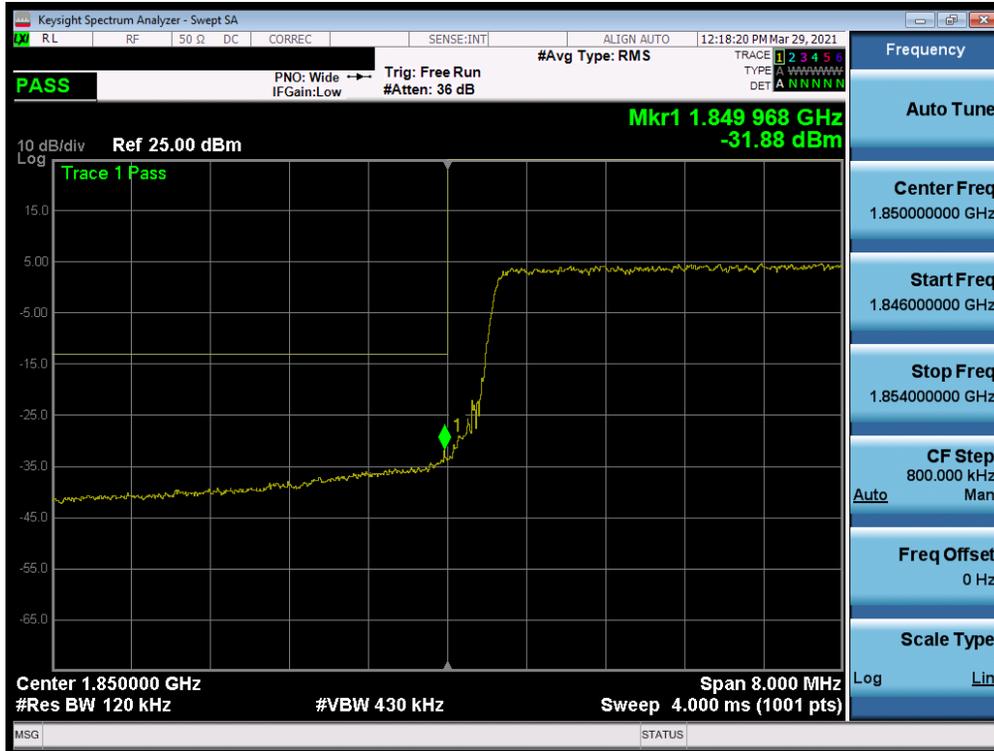


Plot 7-124. Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB)

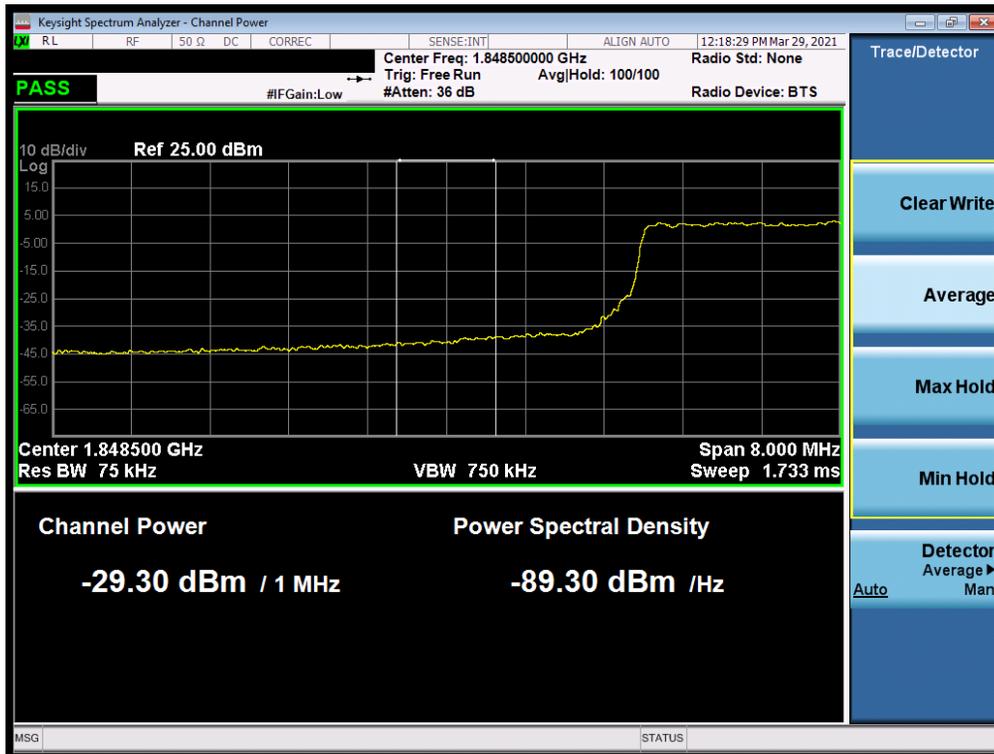


Plot 7-125. Extended Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 83 of 197

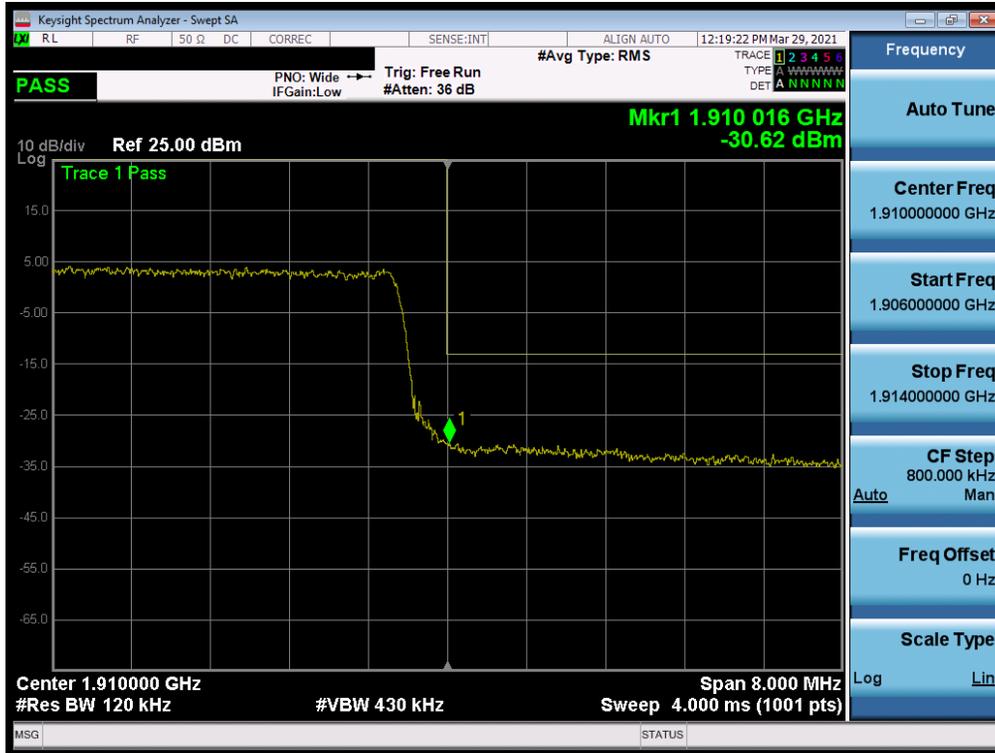


Plot 7-126. Lower Band Edge Plot (LTE Band 25/2 - 10MHz QPSK – Full RB)

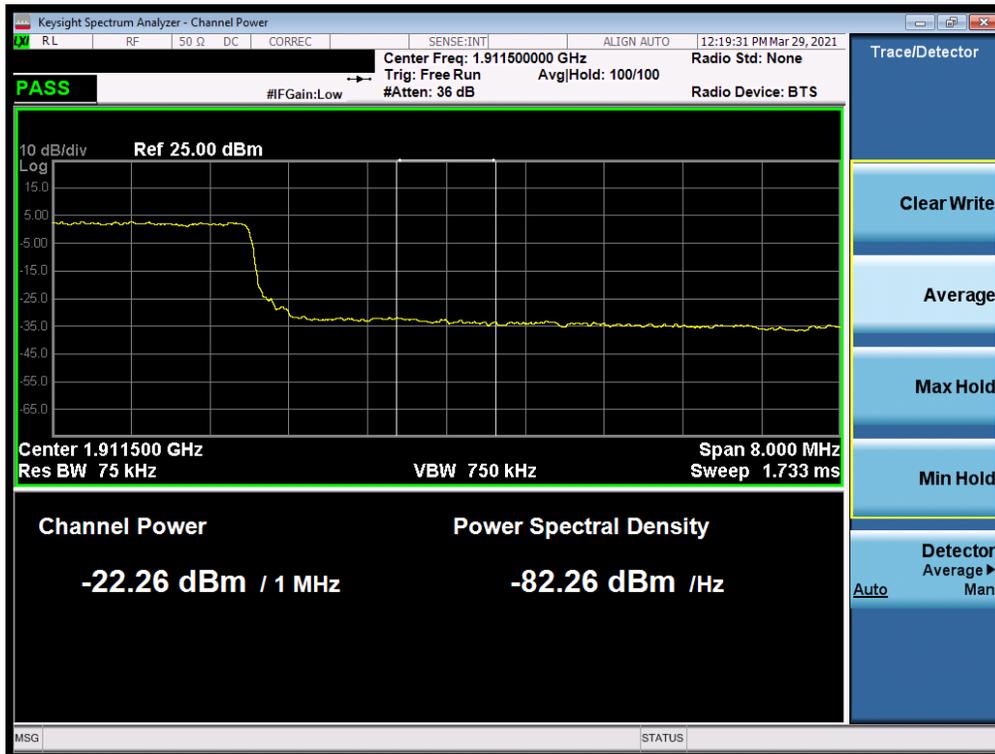


Plot 7-127. Extended Lower Band Edge Plot (LTE Band 25/2 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 84 of 197

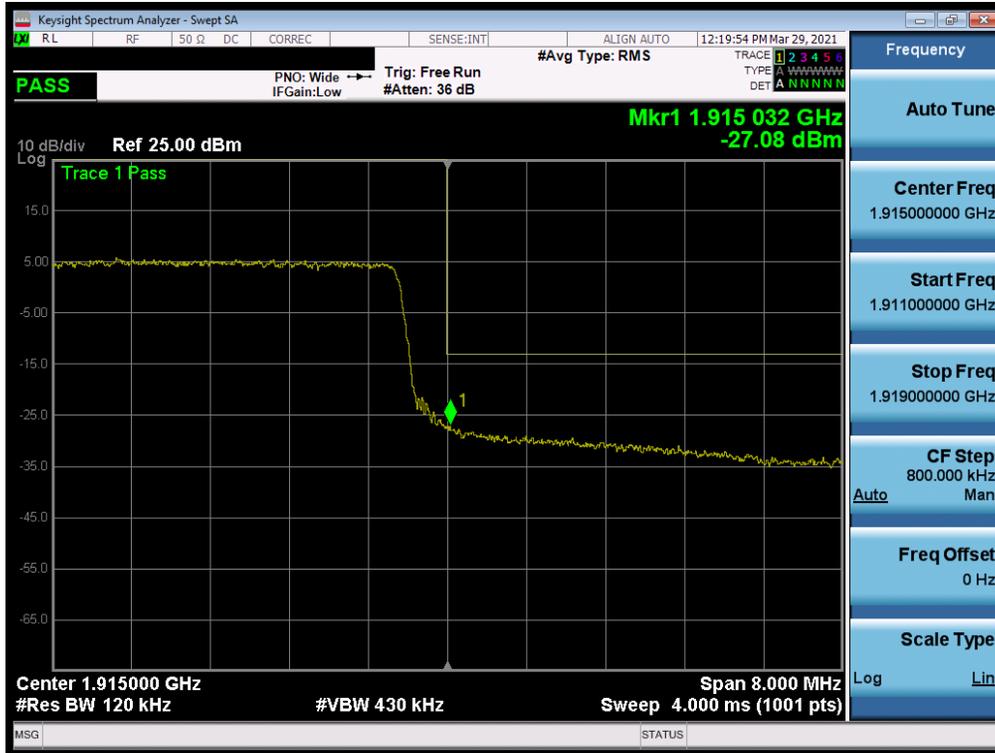


Plot 7-128. Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB)

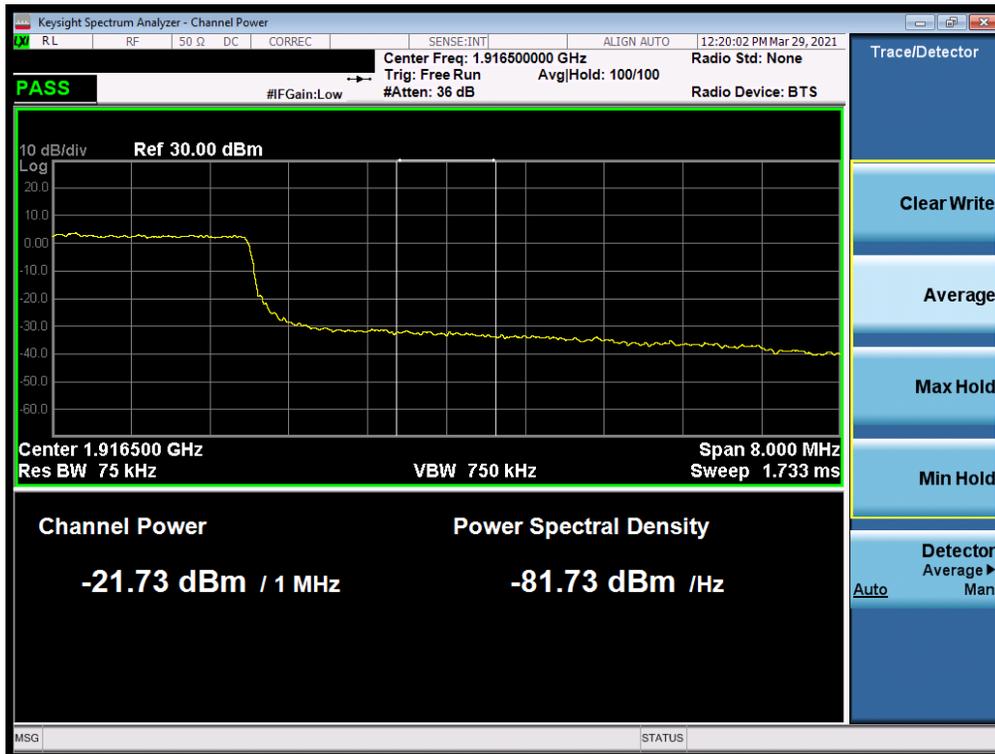


Plot 7-129. Extended Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 85 of 197



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

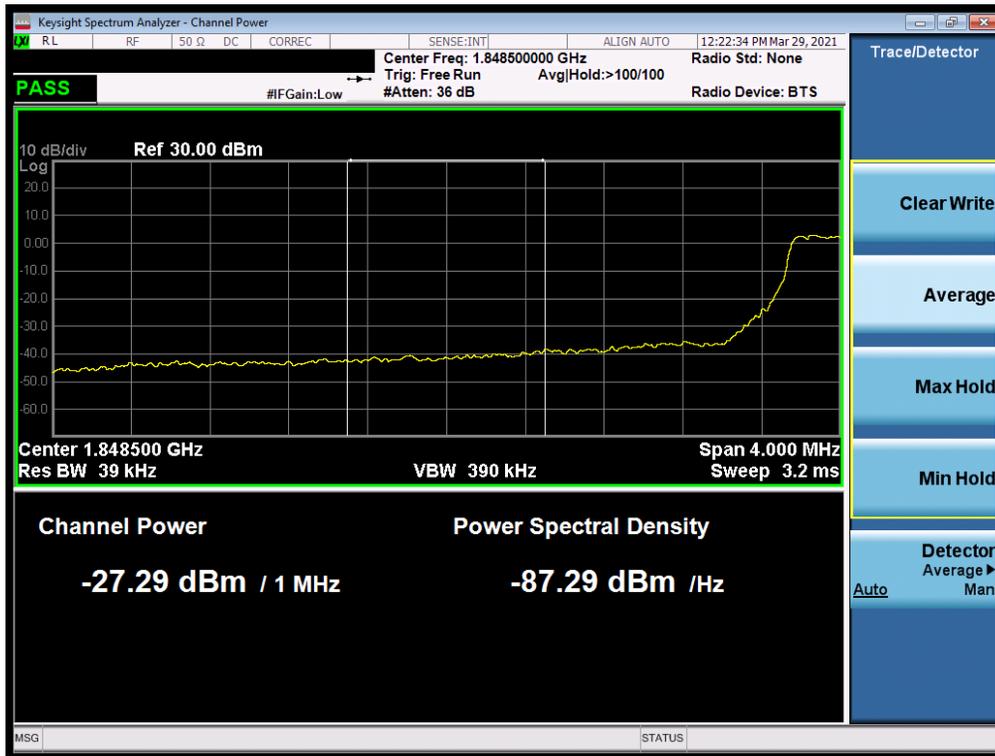


Plot 7-131. Extended Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 86 of 197



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

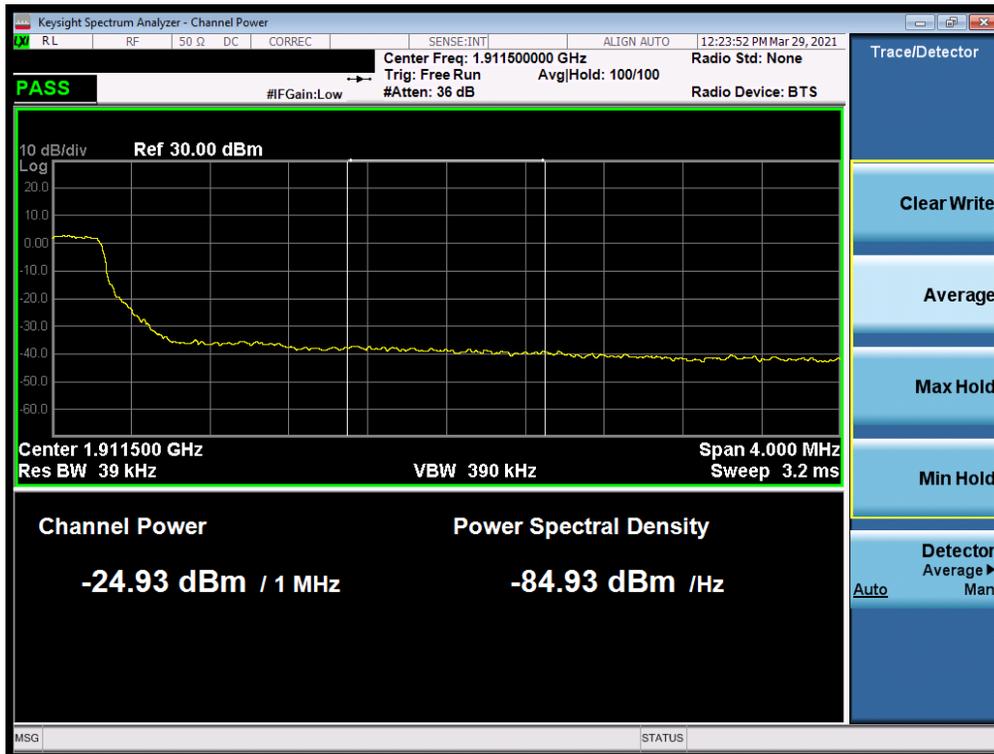


Plot 7-133. Extended Lower Band Edge Plot (LTE Band 25/2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 87 of 197



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

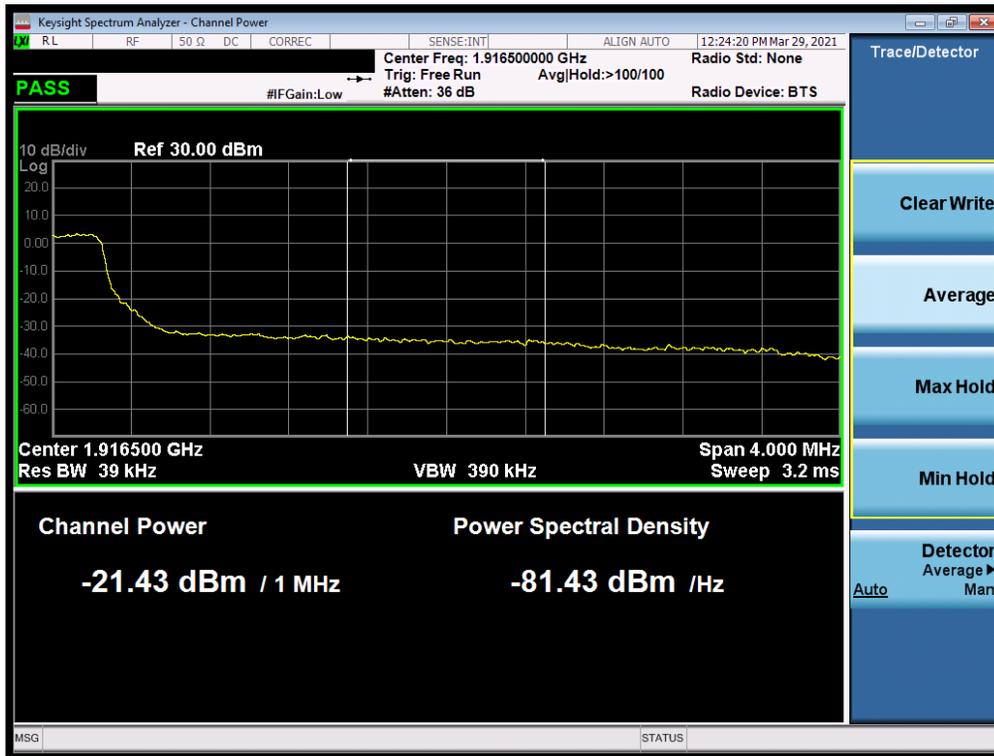


Plot 7-135. Extended Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 88 of 197

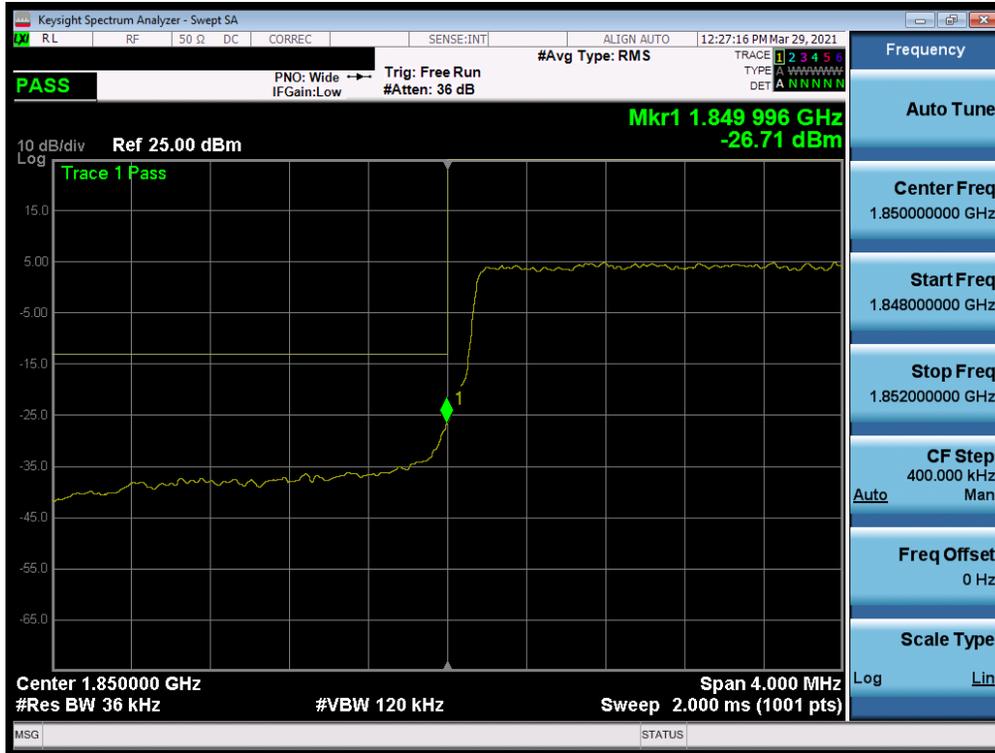


Plot 7-136. Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB)

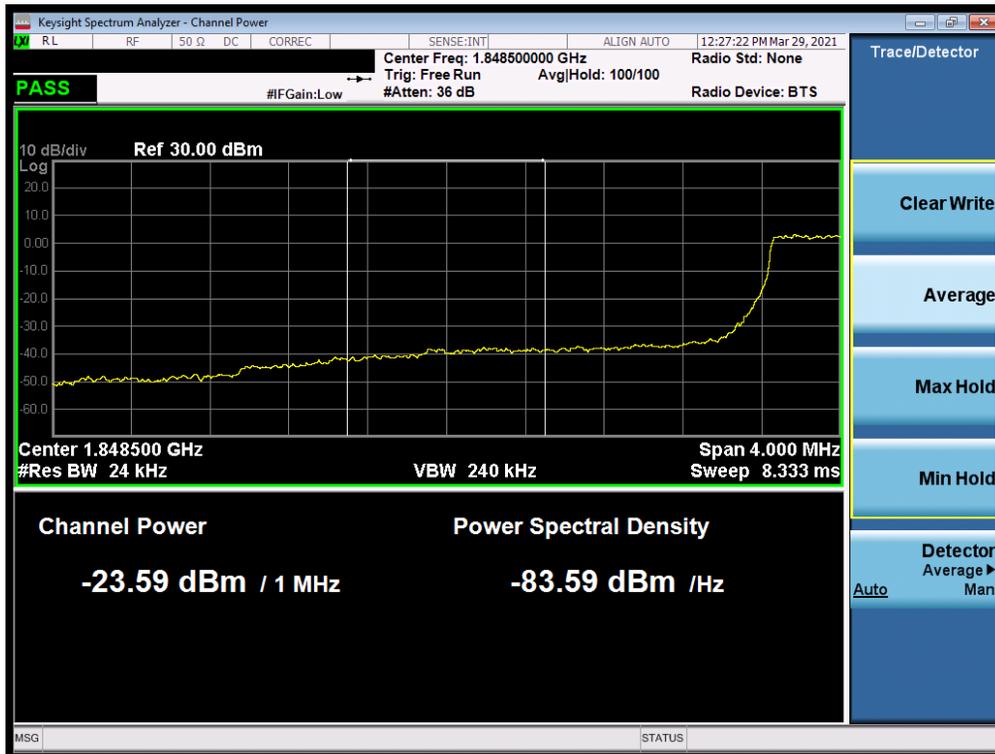


Plot 7-137. Extended Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 89 of 197



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

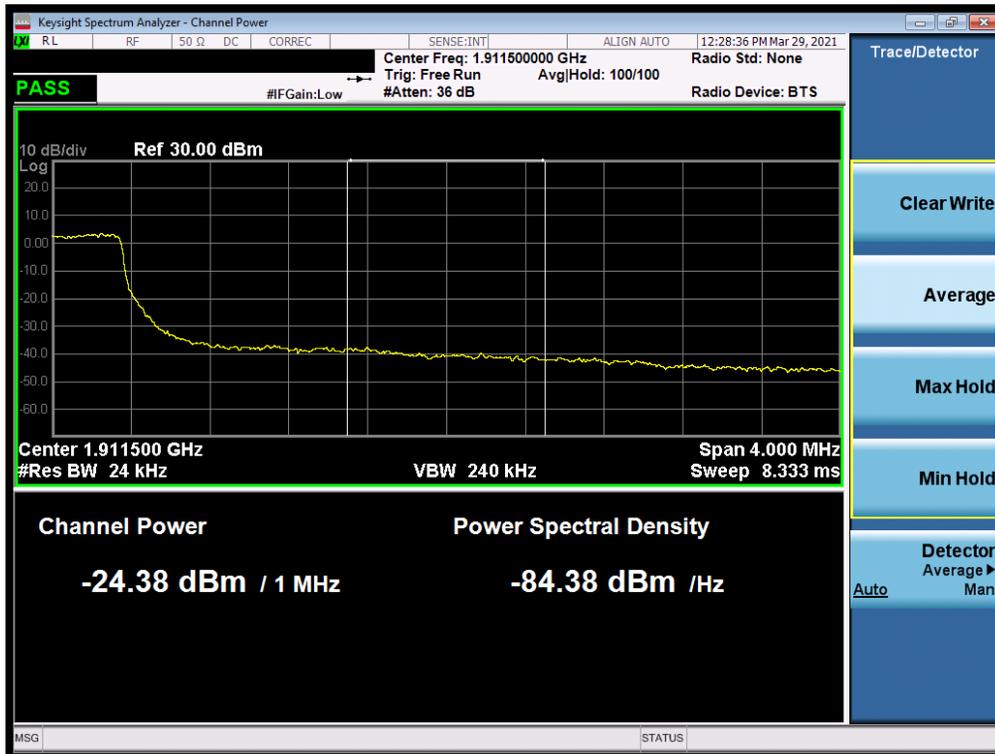


Plot 7-139. Extended Lower Band Edge Plot (LTE Band 25/2 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 90 of 197

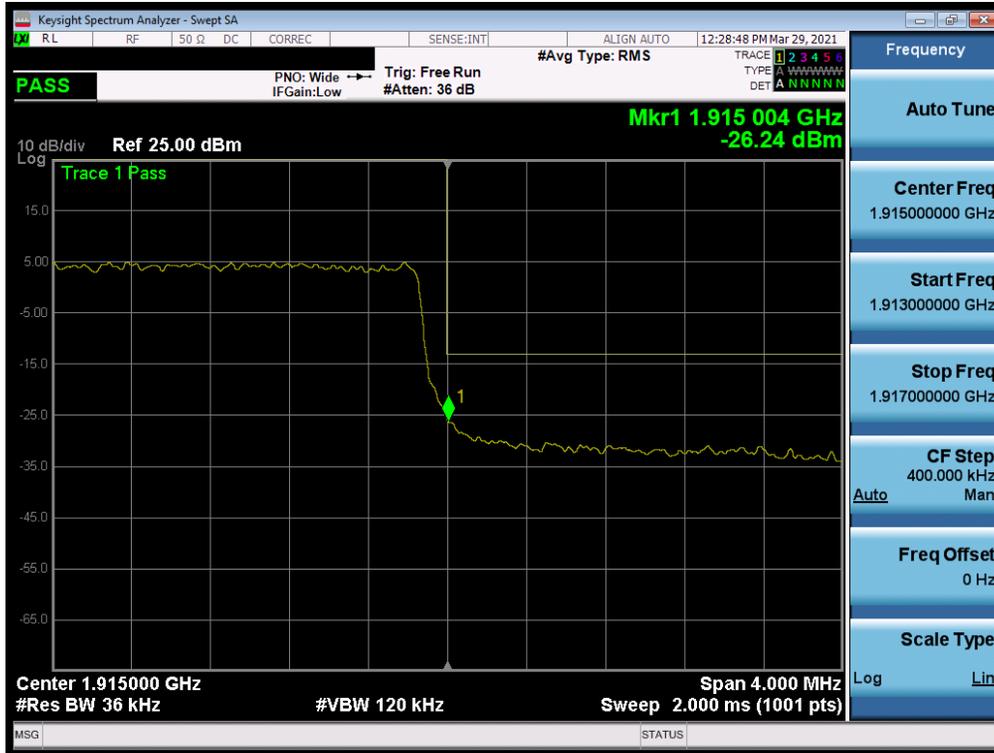


Plot 7-140. Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB)

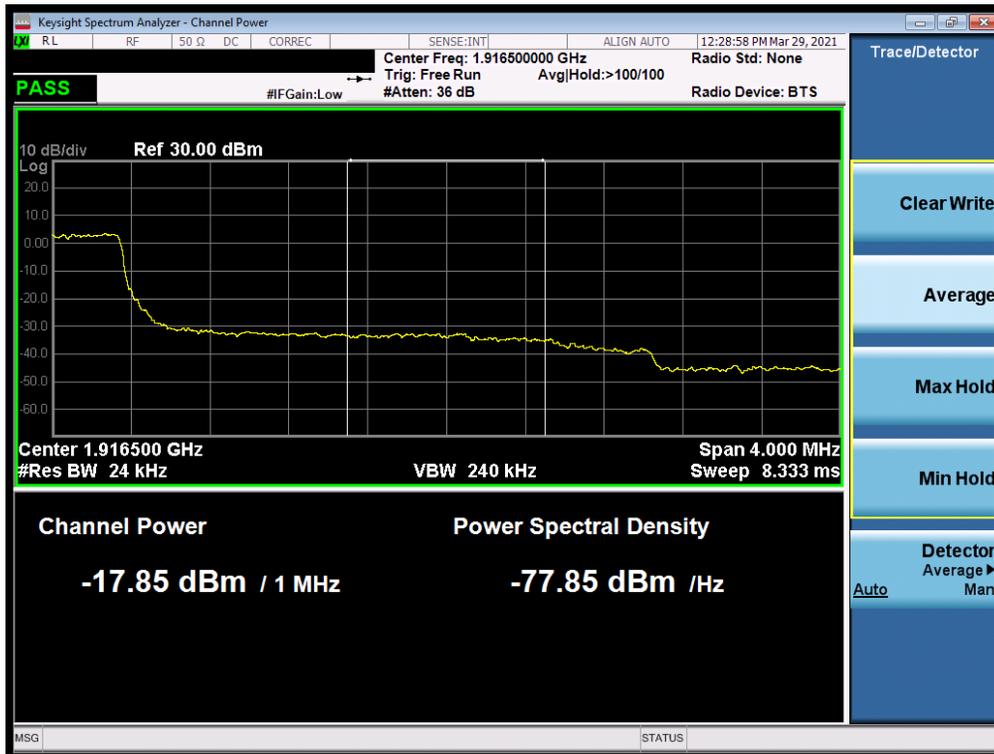


Plot 7-141. Extended Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 91 of 197

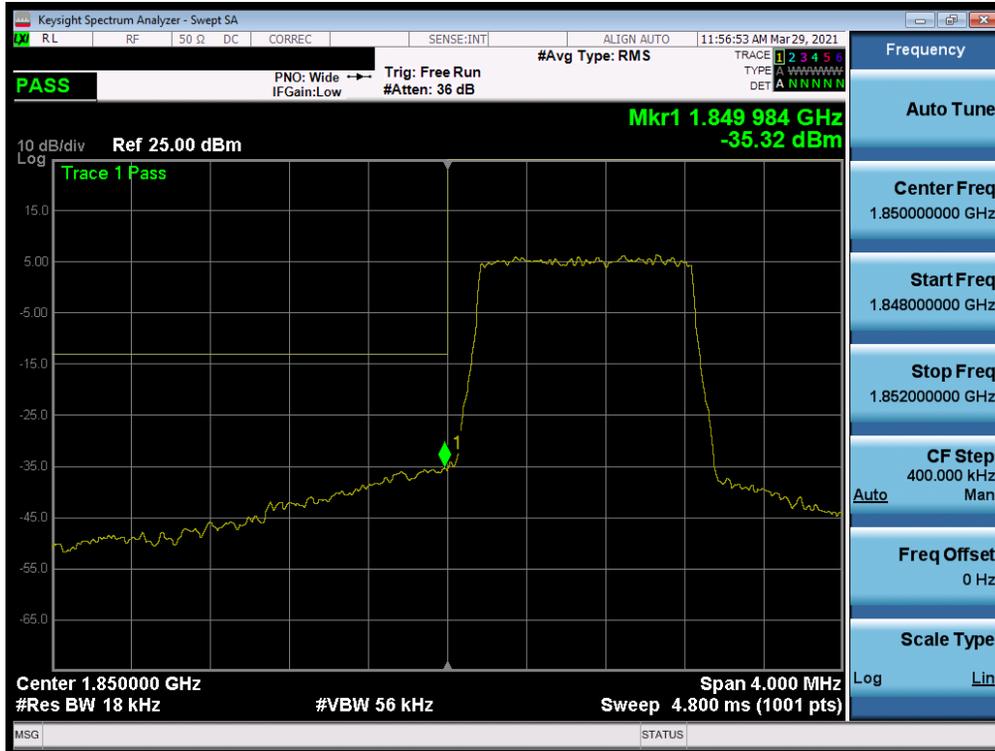


Plot 7-142. Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB)

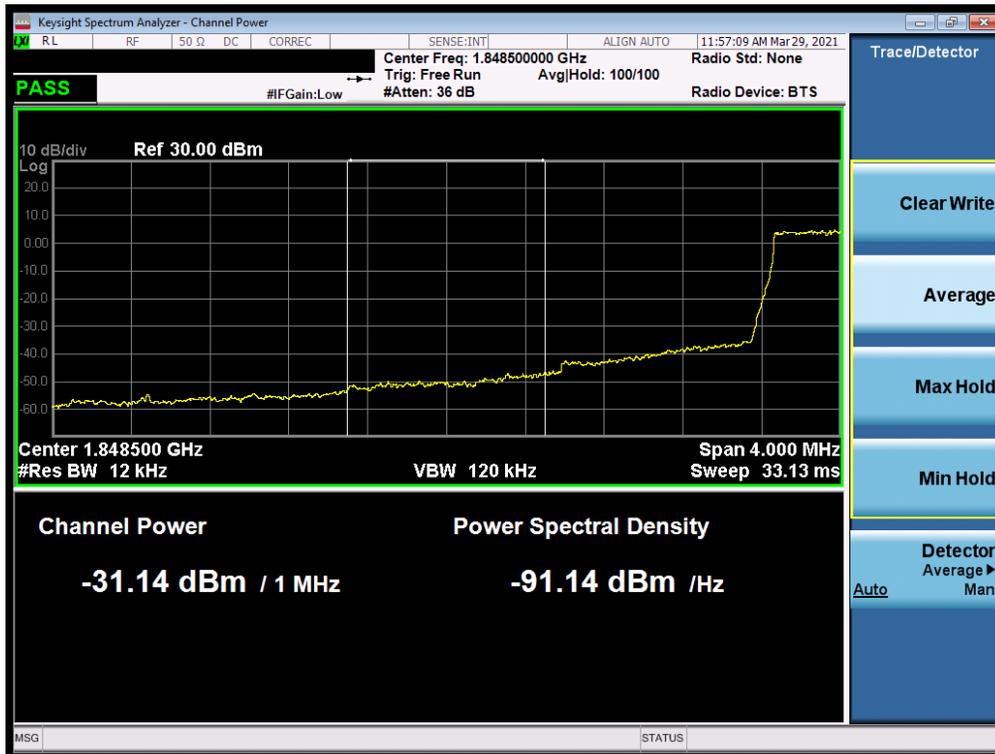


Plot 7-143. Extended Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 92 of 197

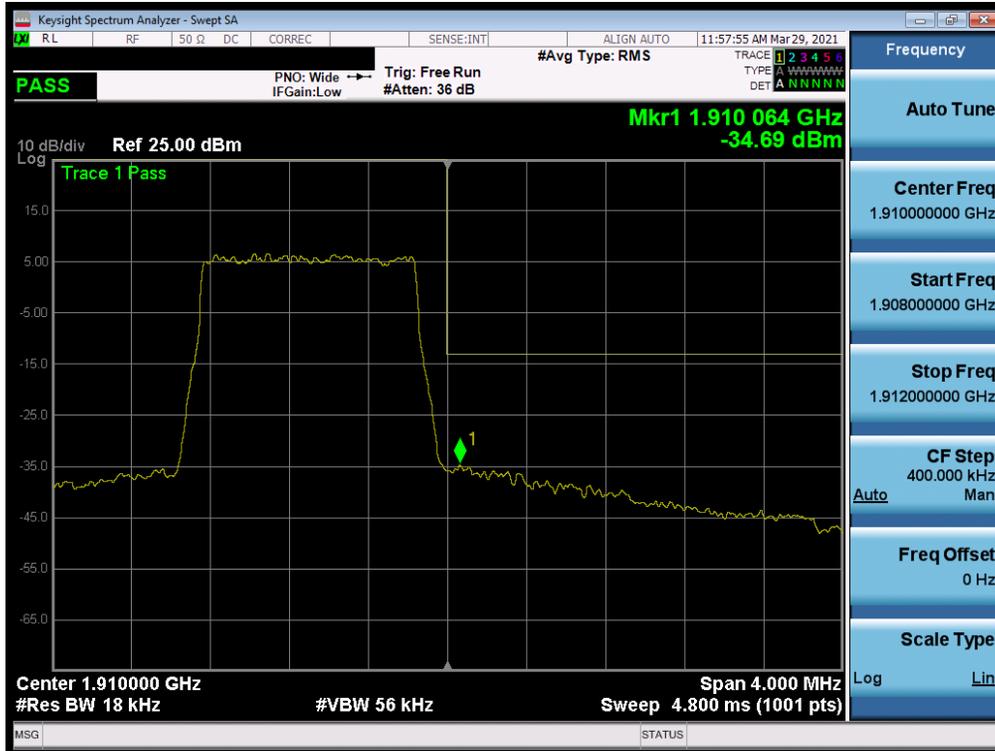


Plot 7-144. Lower Band Edge Plot (LTE Band 25/2 – 1.4MHz QPSK – Full RB)

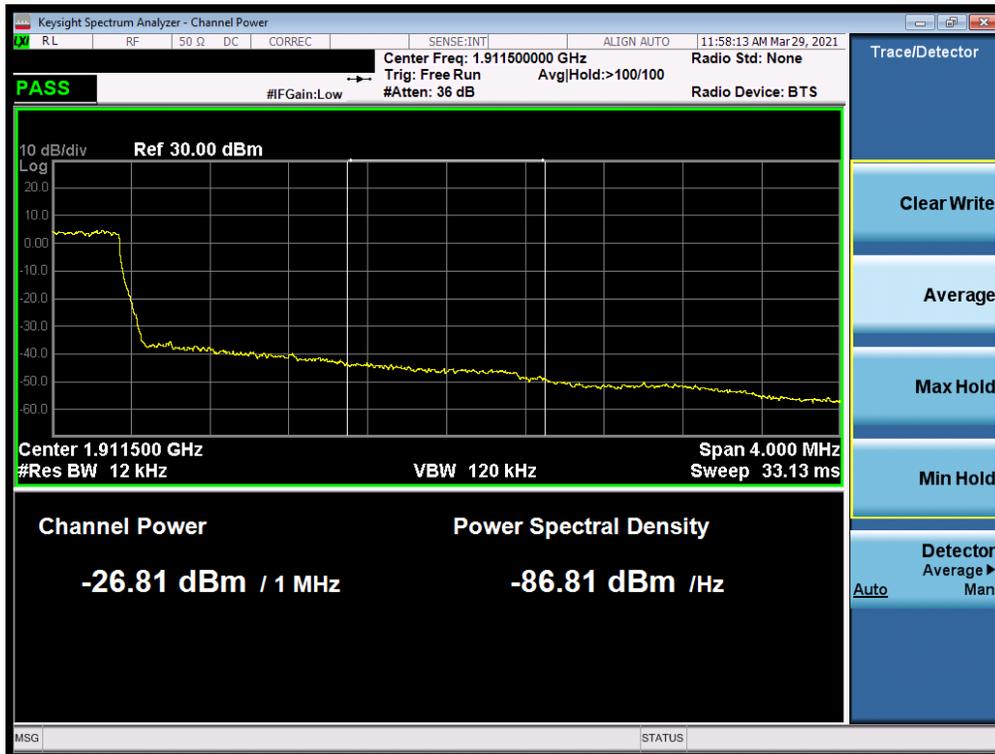


Plot 7-145. Extended Lower Band Edge Plot (LTE Band 25/2 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 93 of 197

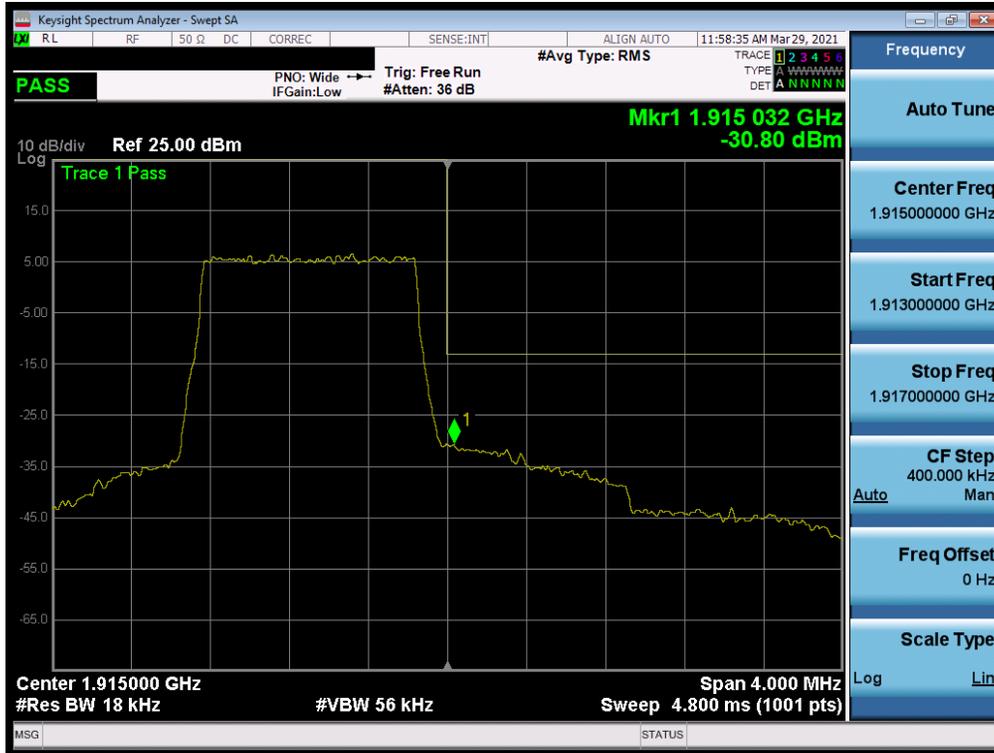


Plot 7-146. Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB)

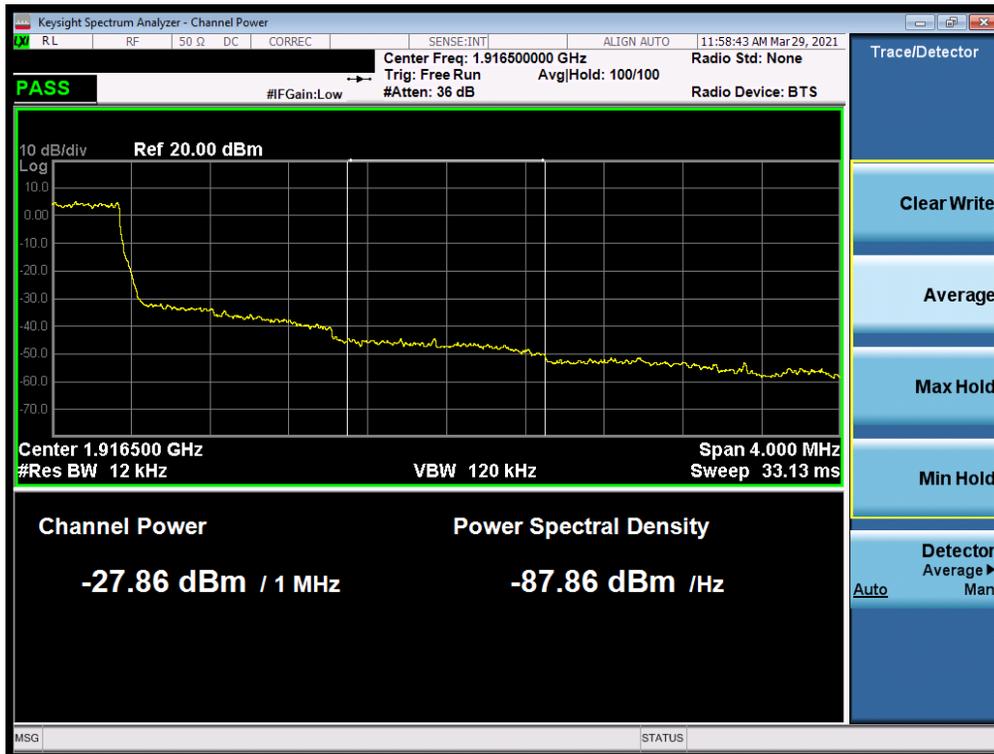


Plot 7-147. Extended Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 94 of 197



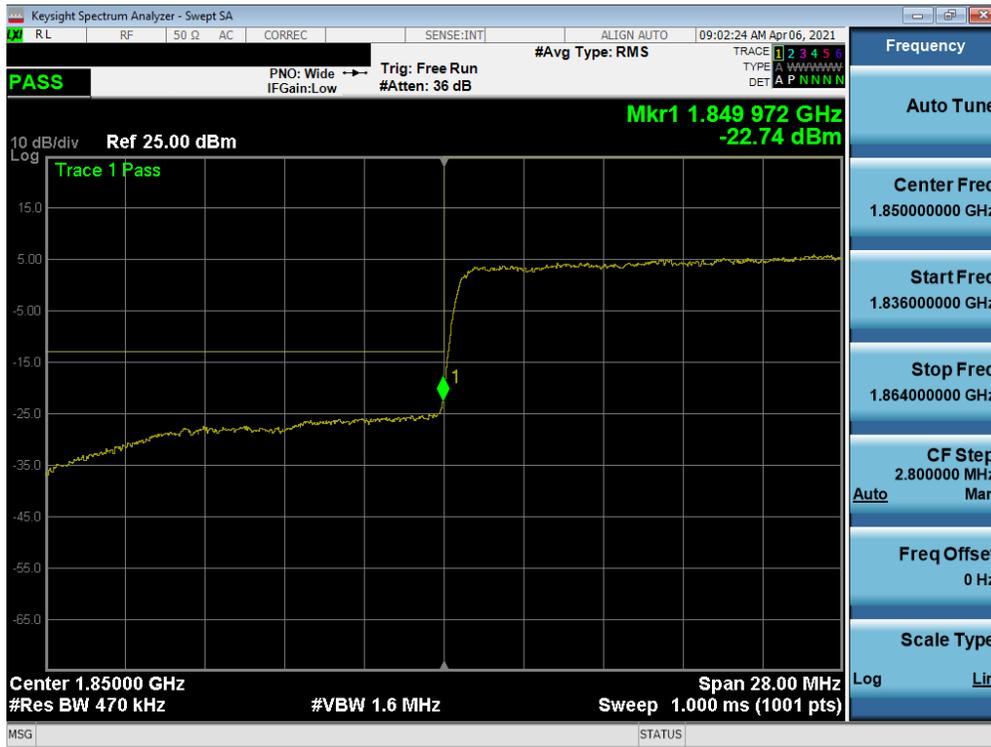
Plot 7-148. Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB)



Plot 7-149. Extended Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 95 of 197

NR Band n25/2 – Antenna B



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

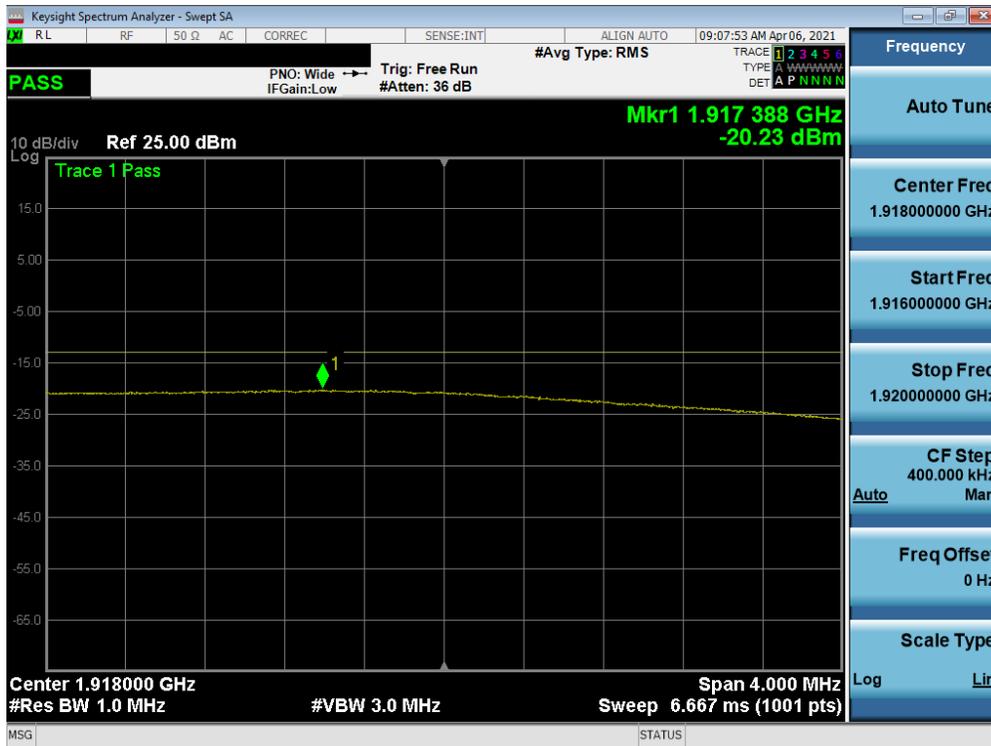


Plot 7-151. Extended Lower Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 96 of 197

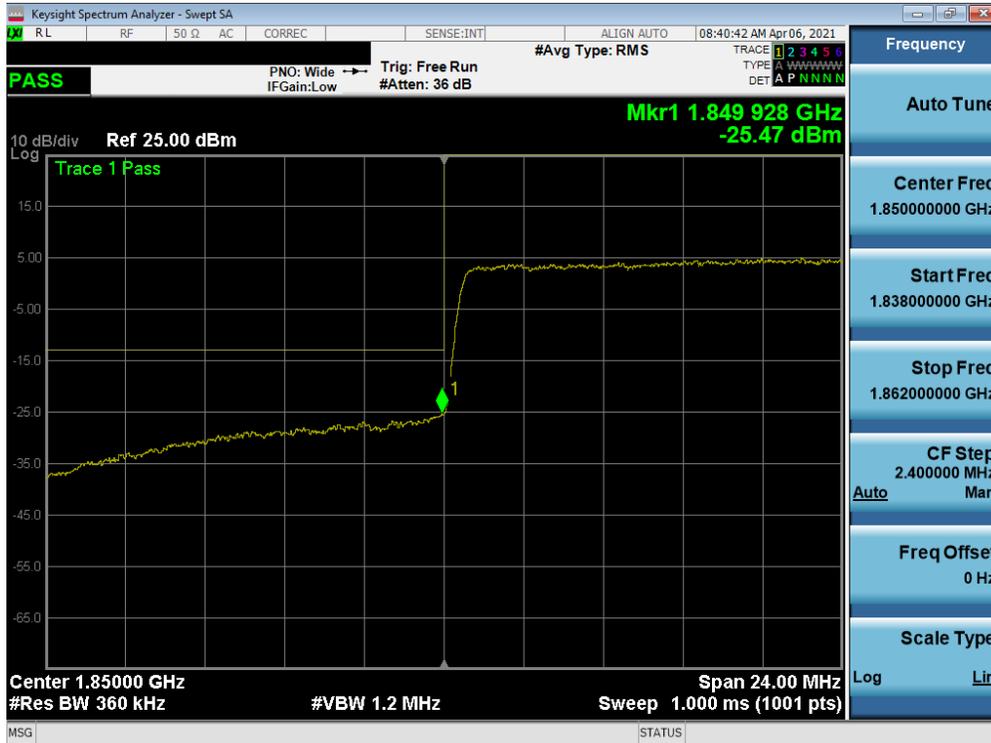


Plot 7-152. Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna B)



Plot 7-153. Extended Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 97 of 197



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



Plot 7-155. Extended Lower Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 98 of 197



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



Plot 7-157. Extended Upper Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 99 of 197



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

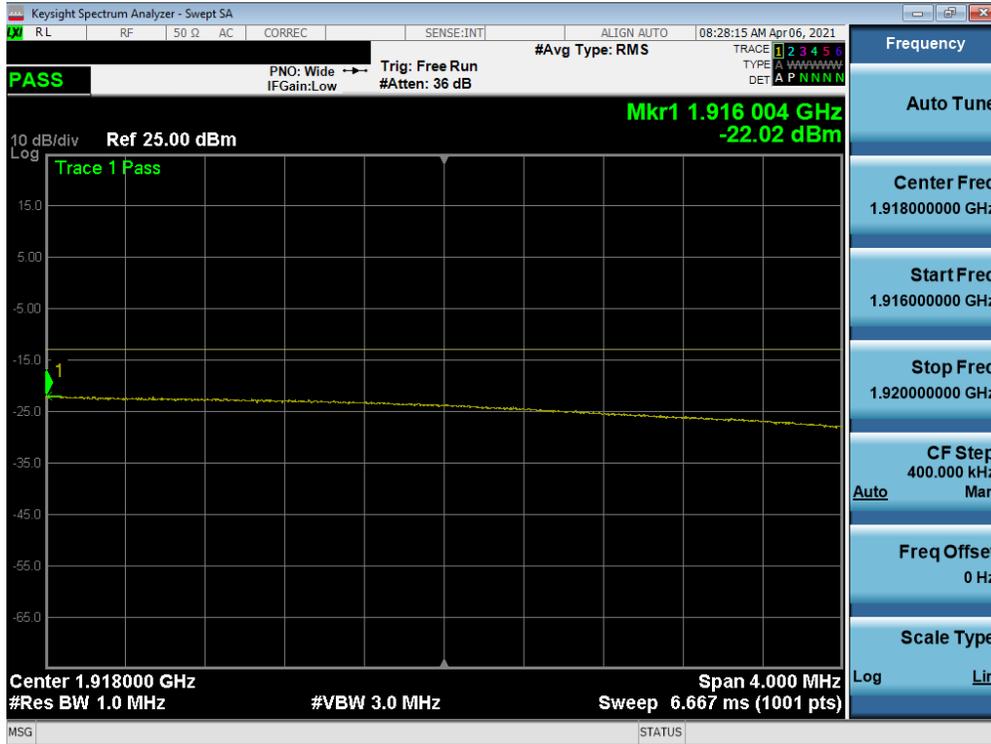


Plot 7-159. Extended Lower Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 100 of 197



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

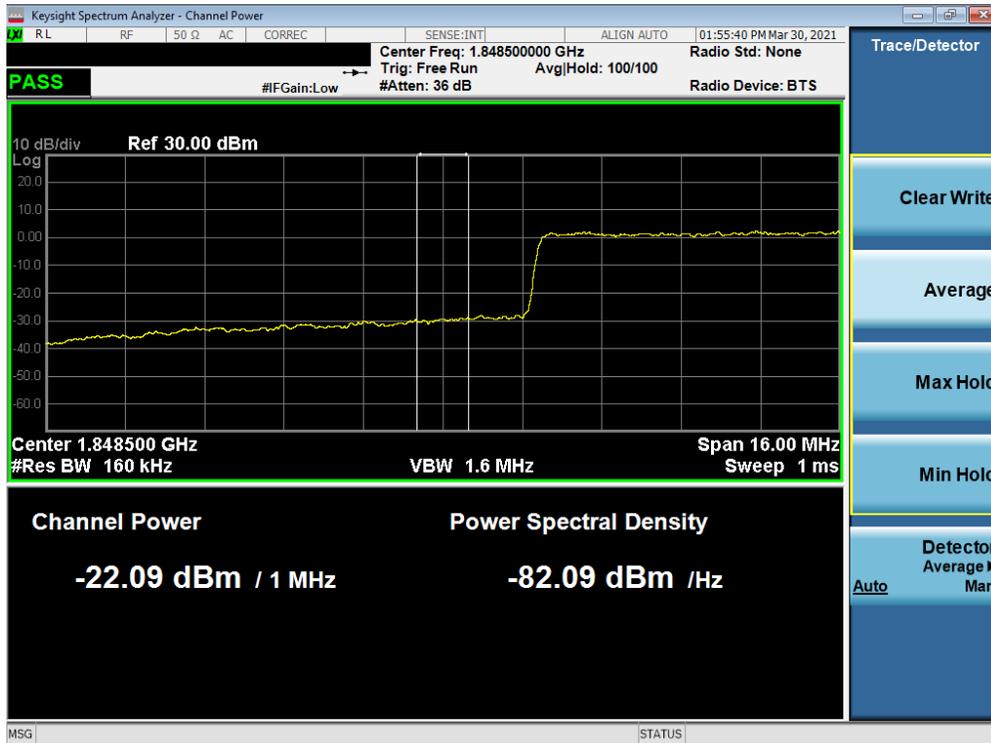


Plot 7-161. Extended Upper Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 101 of 197



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

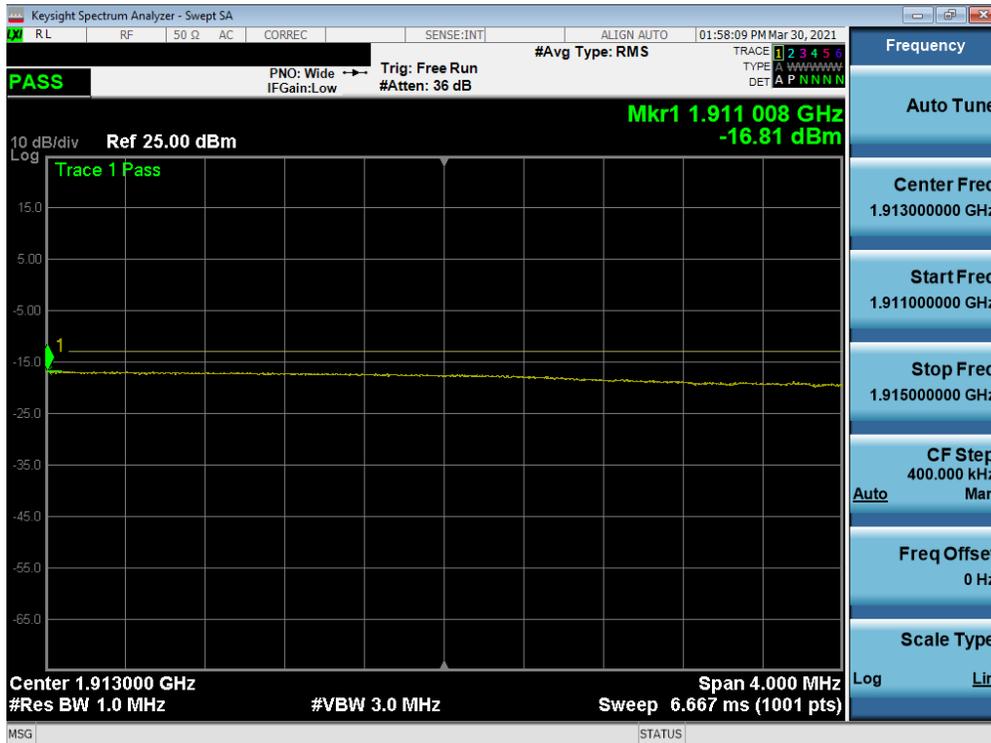


Plot 7-163. Extended Lower Band Edge Plot (NR Band n25/2 - 20MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 102 of 197

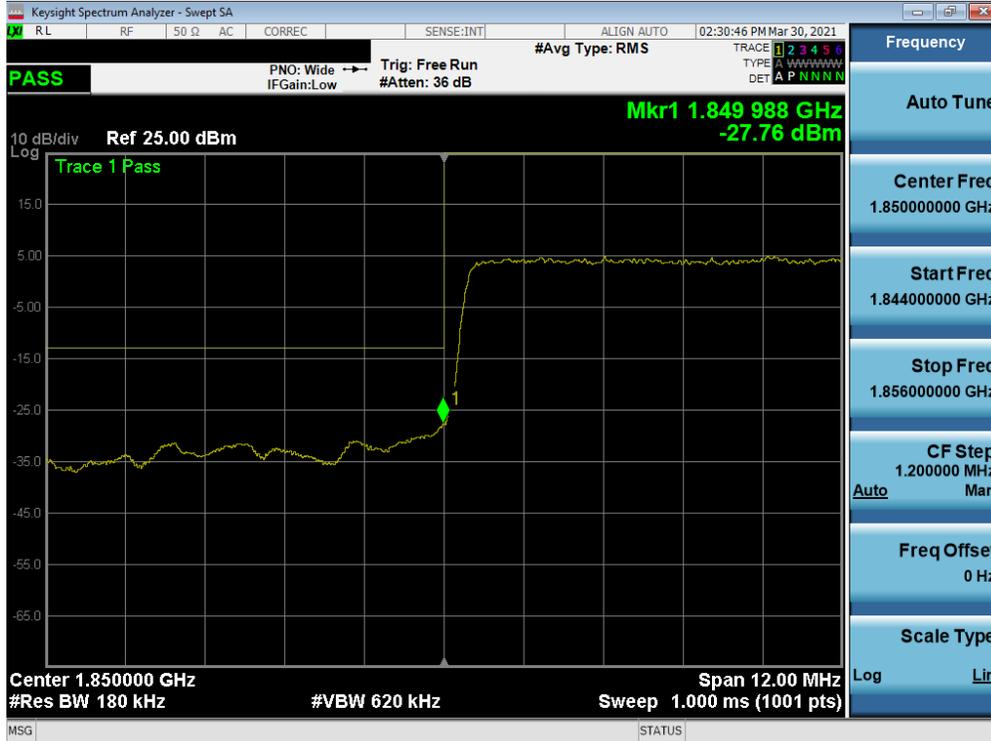


Plot 7-164. Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB - Antenna B)

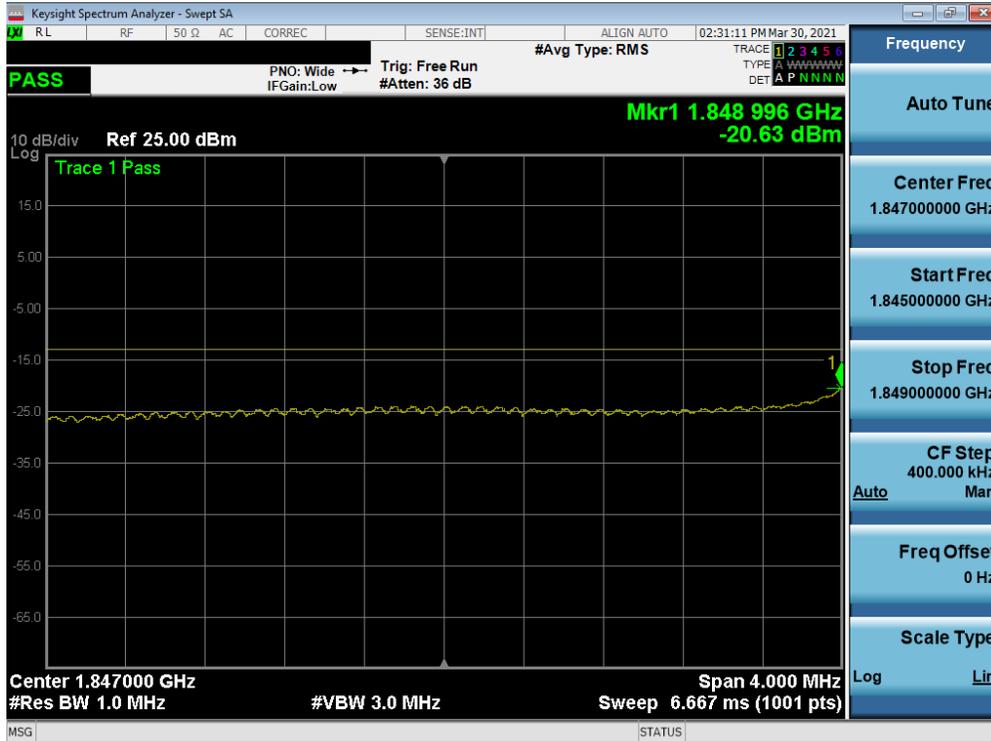


Plot 7-165. Extended Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 103 of 197



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

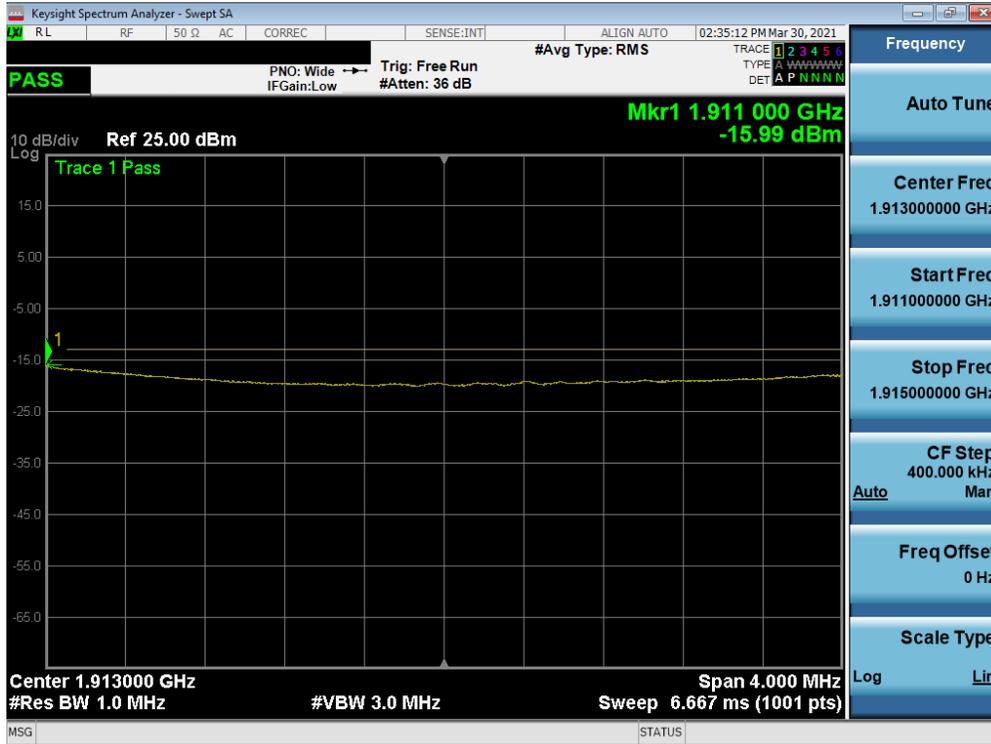


Plot 7-169. Extended Lower Band Edge Plot (NR Band n25/2 - 15MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 105 of 197



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



Plot 7-171. Extended Upper Band Edge Plot (NR Band n2 - 15MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 106 of 197



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



Plot 7-173. Extended Upper Band Edge Plot (NR Band n25 - 15MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 107 of 197



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



Plot 7-175. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 108 of 197



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

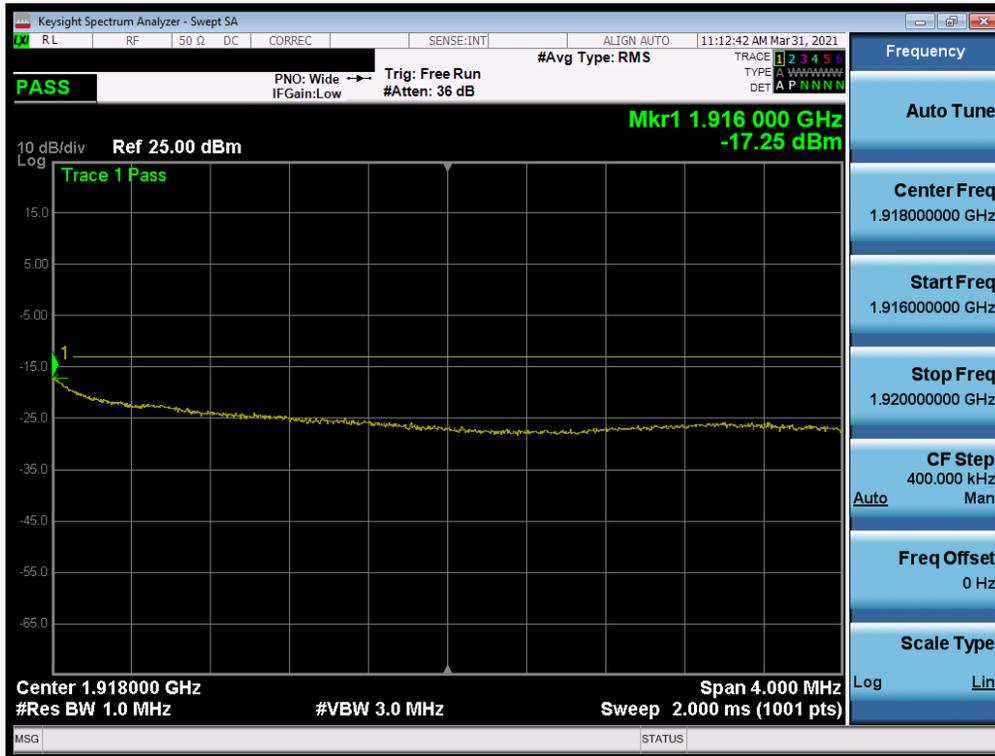


Plot 7-177. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 109 of 197

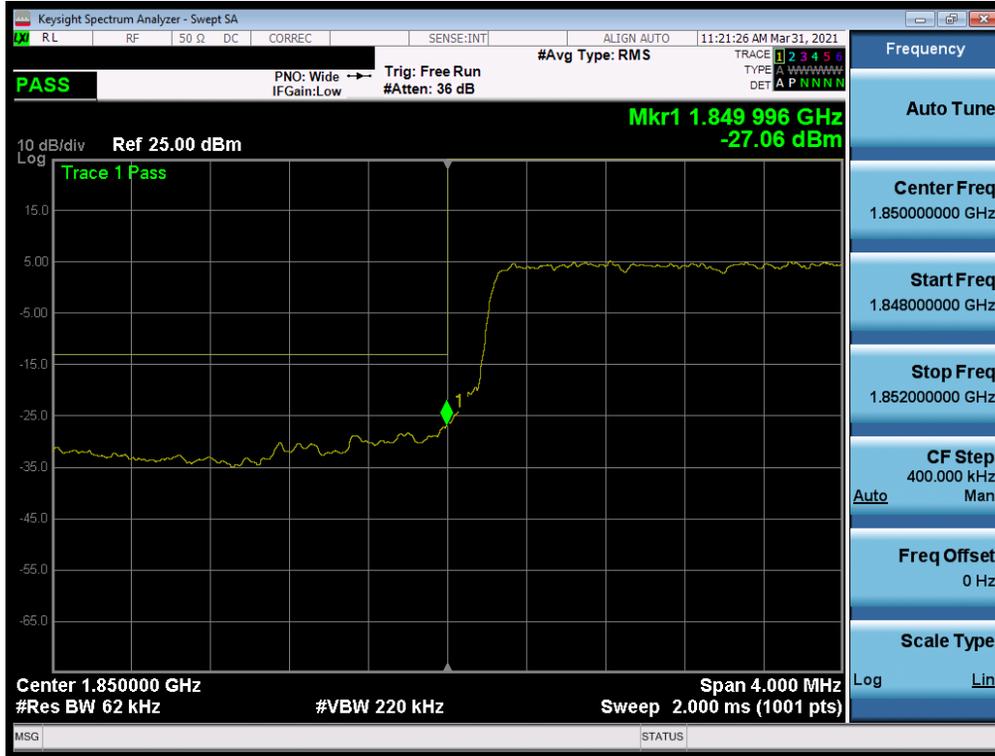


Plot 7-178. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Antenna B)

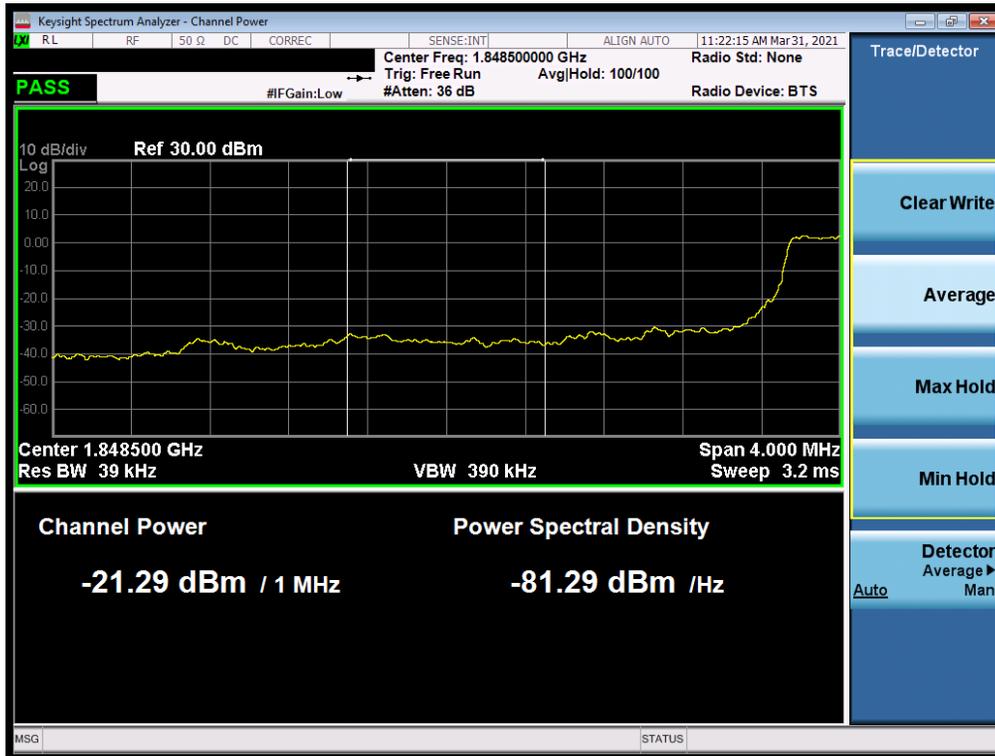


Plot 7-179. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 110 of 197



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

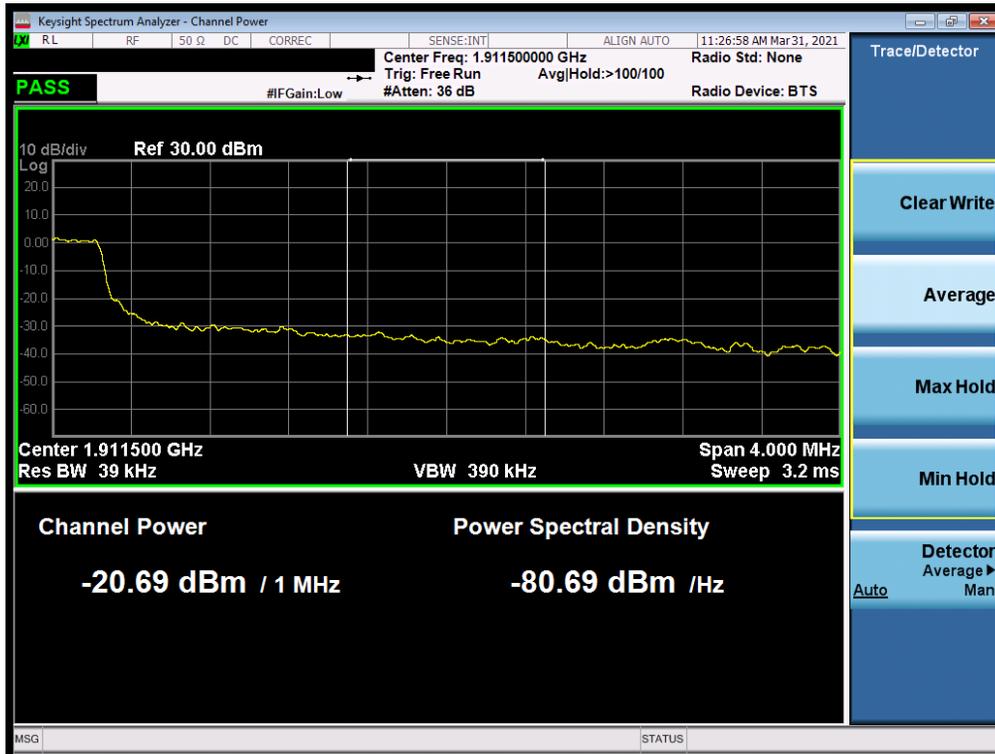


Plot 7-181. Extended Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 111 of 197



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

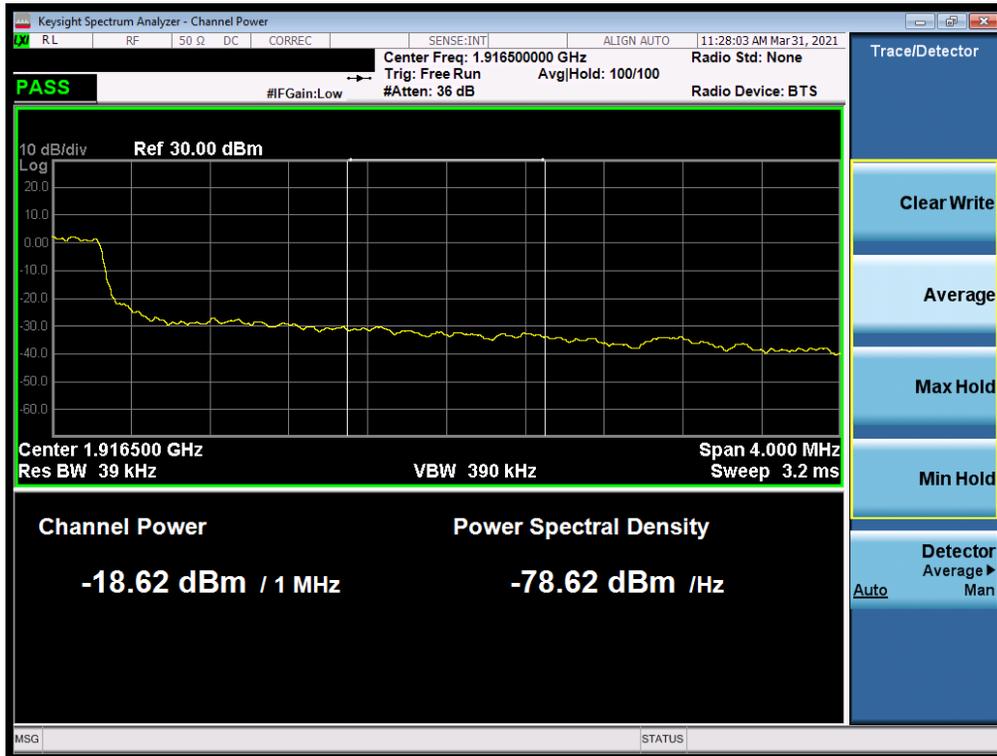


Plot 7-183. Extended Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 112 of 197



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



Plot 7-185. Extended Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB - Antenna B)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 113 of 197

NR Band n25/2 – Antenna E



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



Plot 7-187. Extended Lower Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 114 of 197

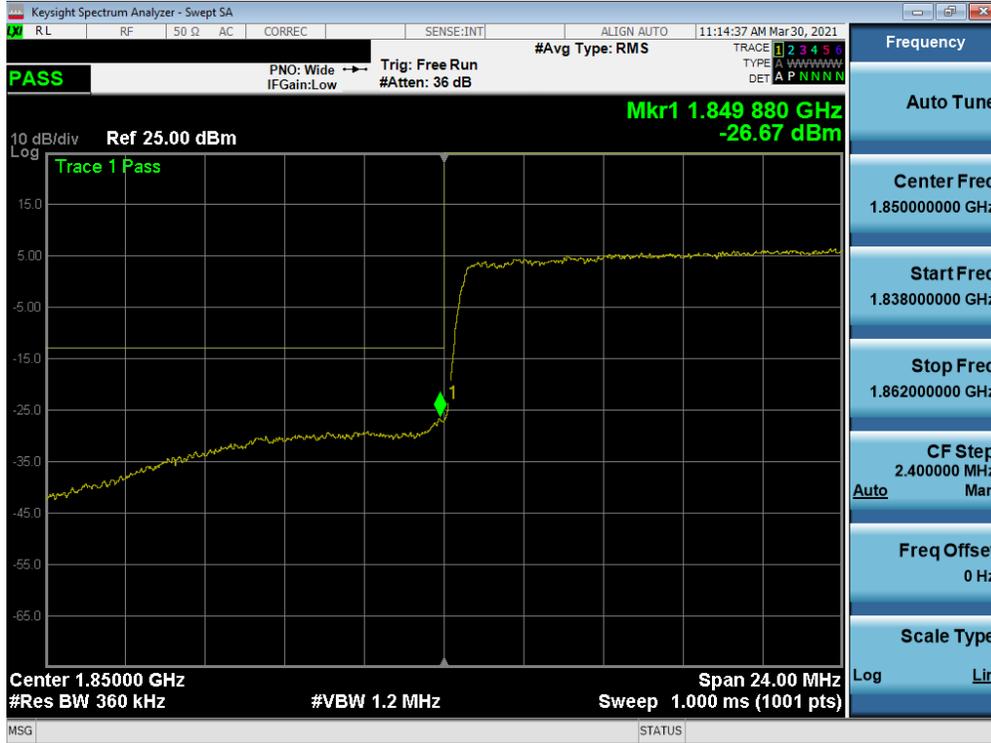


Plot 7-188. Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna E)



Plot 7-189. Extended Upper Band Edge Plot (NR Band n25 - 40MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 115 of 197



Plot 7-190. Lower Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna E)



Plot 7-191. Extended Lower Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 116 of 197



Plot 7-192. Upper Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna E)

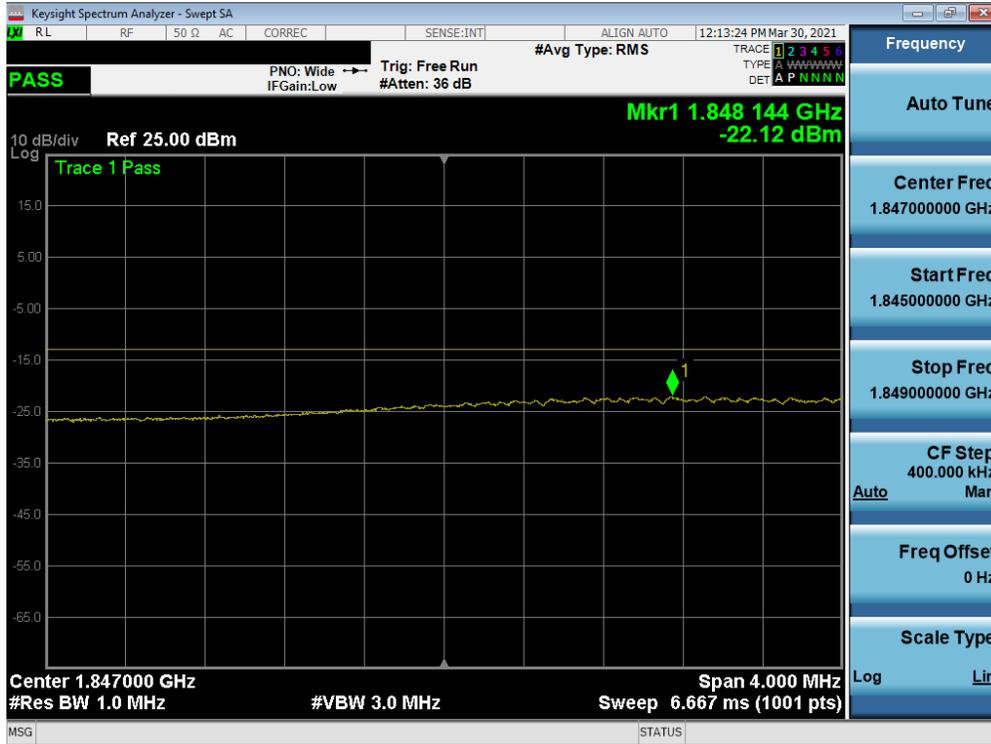


Plot 7-193. Extended Upper Band Edge Plot (NR Band n25 - 30MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 117 of 197



Plot 7-194. Lower Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna E)



Plot 7-195. Extended Lower Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 118 of 197

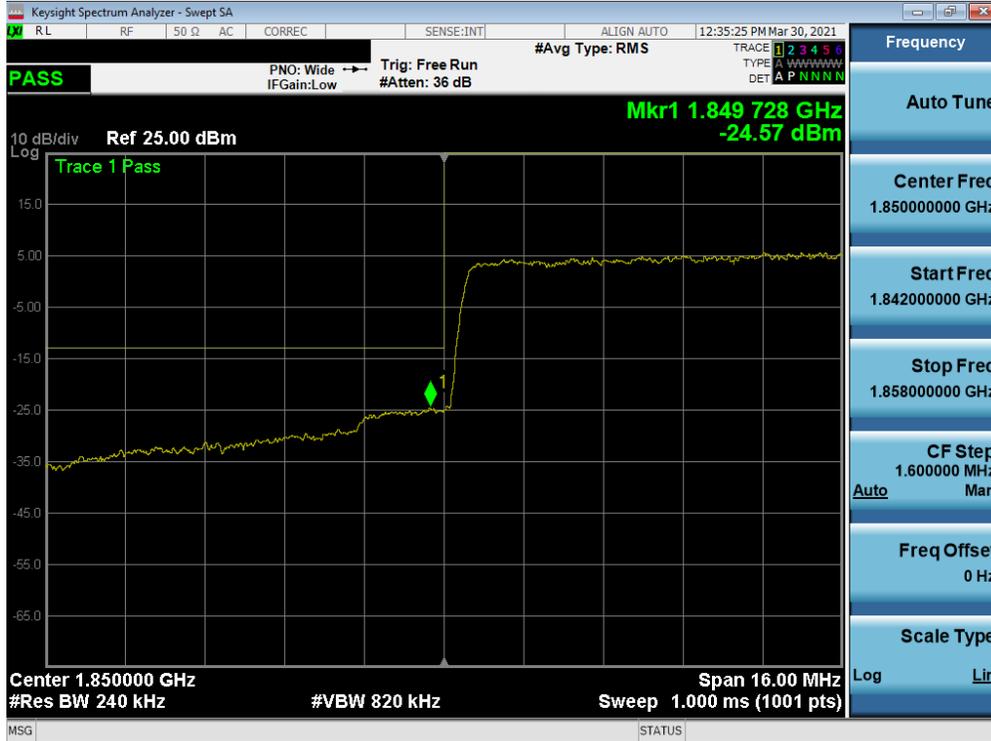


Plot 7-196. Upper Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna E)

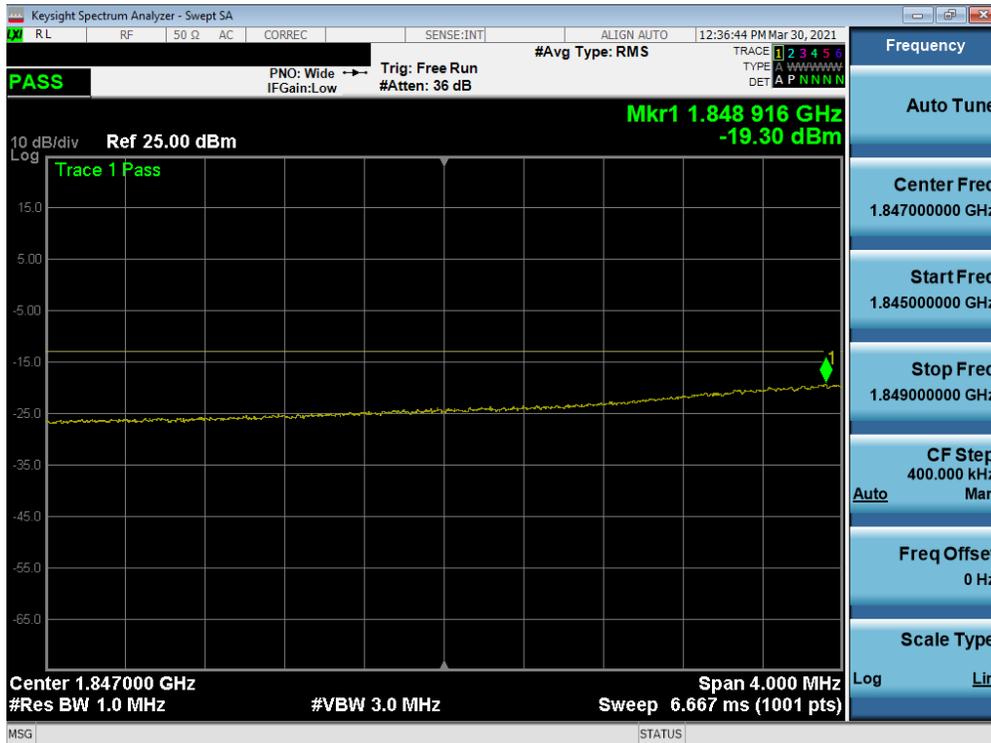


Plot 7-197. Extended Upper Band Edge Plot (NR Band n25 - 25MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 119 of 197



Plot 7-198. Lower Band Edge Plot (NR Band n25/2 - 20MHz QPSK – Full RB - Antenna E)

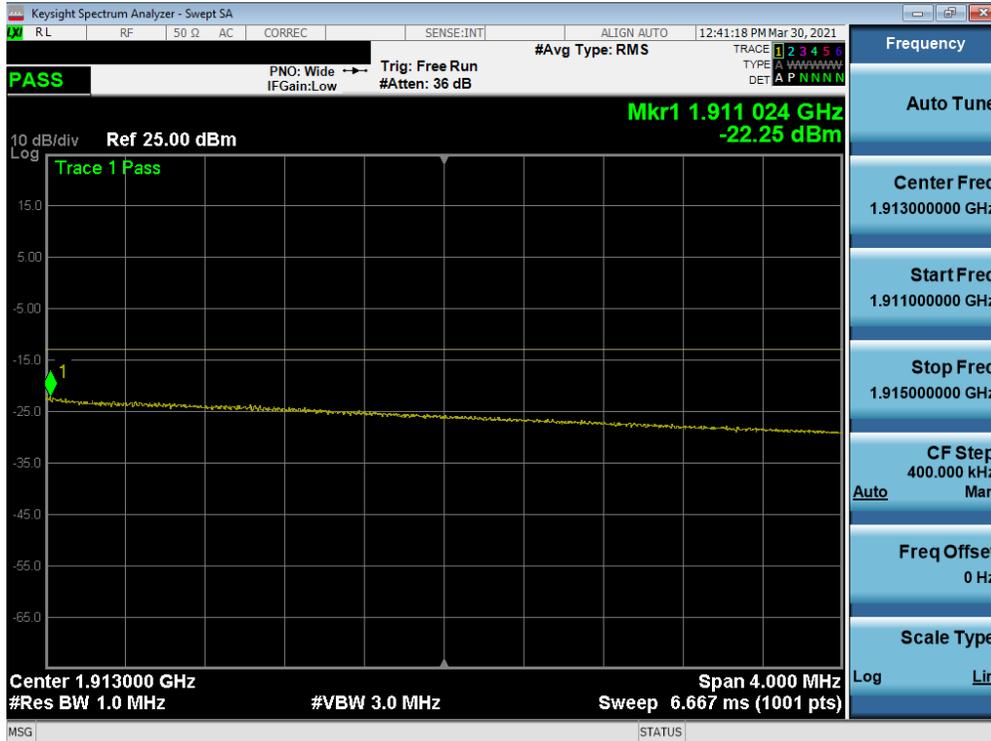


Plot 7-199. Extended Lower Band Edge Plot (NR Band n25/2 - 20MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 120 of 197



Plot 7-200. Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB - Antenna E)



Plot 7-201. Extended Upper Band Edge Plot (NR Band n2 - 20MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 121 of 197

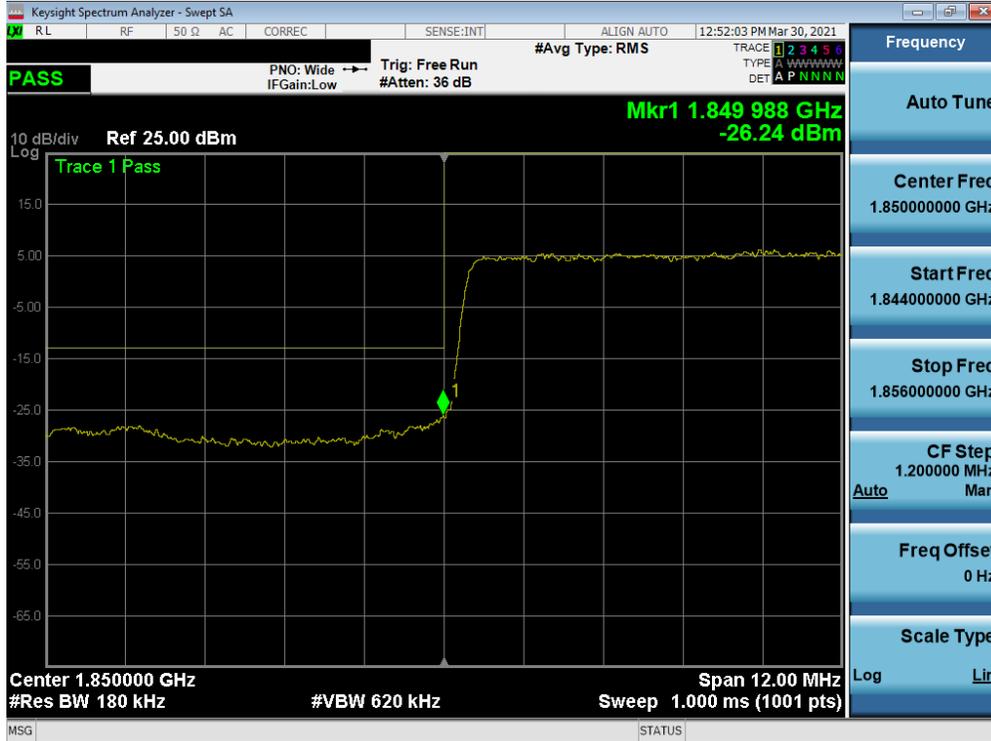


Plot 7-202. Upper Band Edge Plot (NR Band n25 - 20MHz QPSK – Full RB - Antenna E)

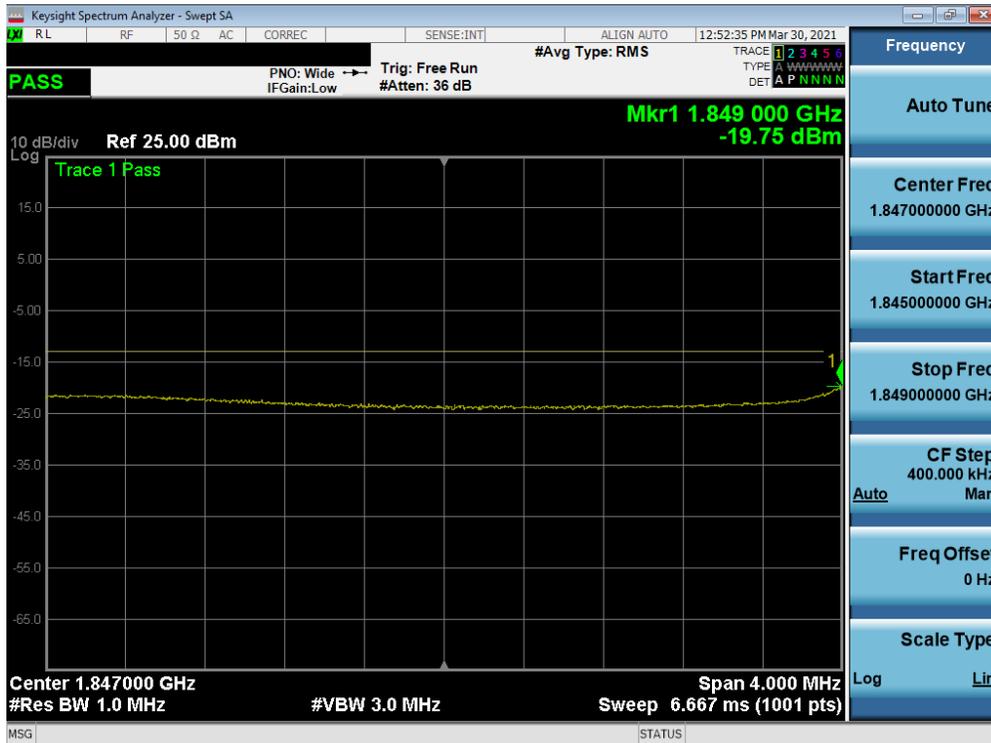


Plot 7-203. Extended Upper Band Edge Plot (NR Band n25 - 20MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 122 of 197



Plot 7-204. Lower Band Edge Plot (NR Band n25/2 - 15MHz QPSK – Full RB - Antenna E)



Plot 7-205. Extended Lower Band Edge Plot (NR Band n25/2 - 15MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 123 of 197



Plot 7-206. Upper Band Edge Plot (NR Band n2 - 15MHz QPSK – Full RB - Antenna E)



Plot 7-207. Extended Upper Band Edge Plot (NR Band n2 - 15MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 124 of 197

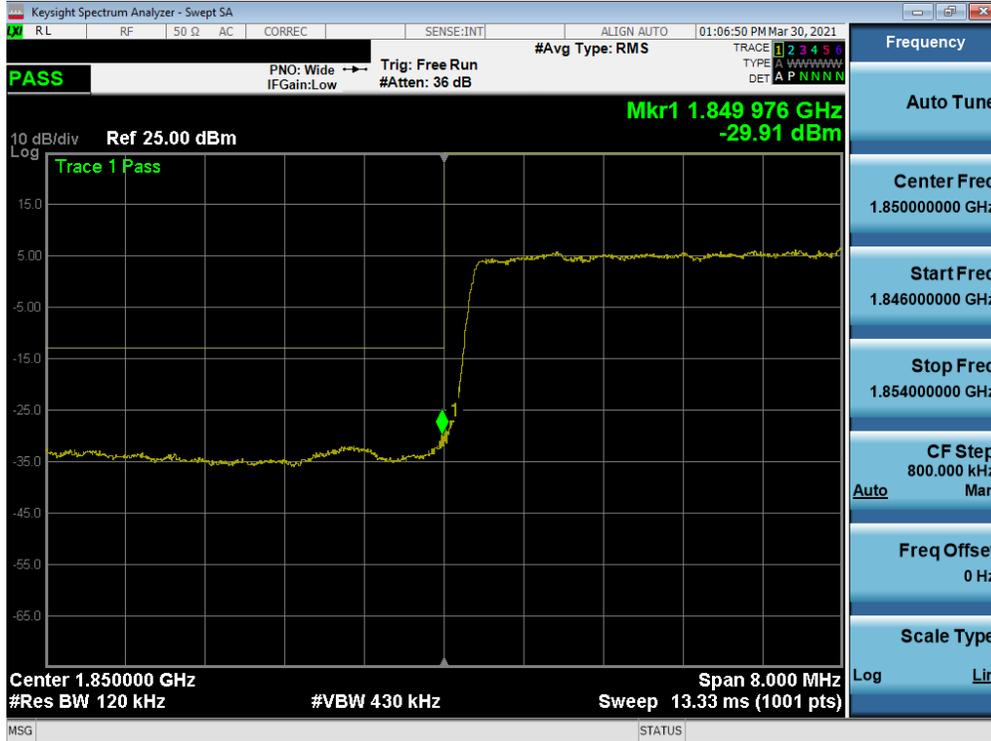


Plot 7-208. Upper Band Edge Plot (NR Band n25 - 15MHz QPSK – Full RB - Antenna E)



Plot 7-209. Extended Upper Band Edge Plot (NR Band n25 - 15MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 125 of 197



Plot 7-210. Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Antenna E)

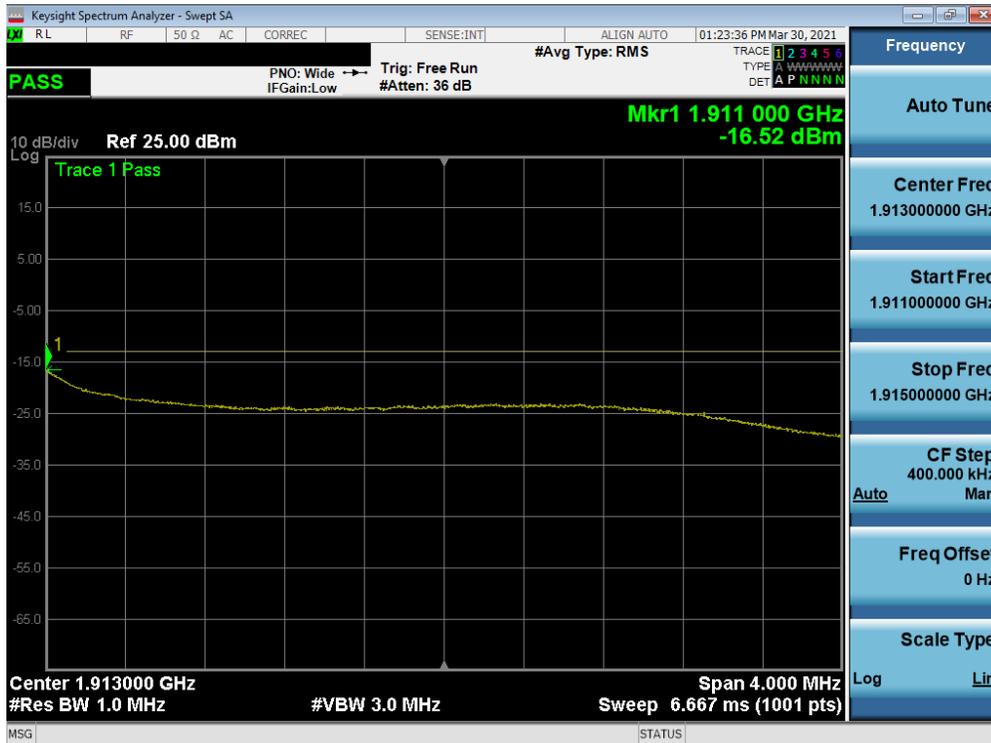


Plot 7-211. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 126 of 197



Plot 7-212. Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Antenna E)



Plot 7-213. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 127 of 197



Plot 7-214. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Antenna E)

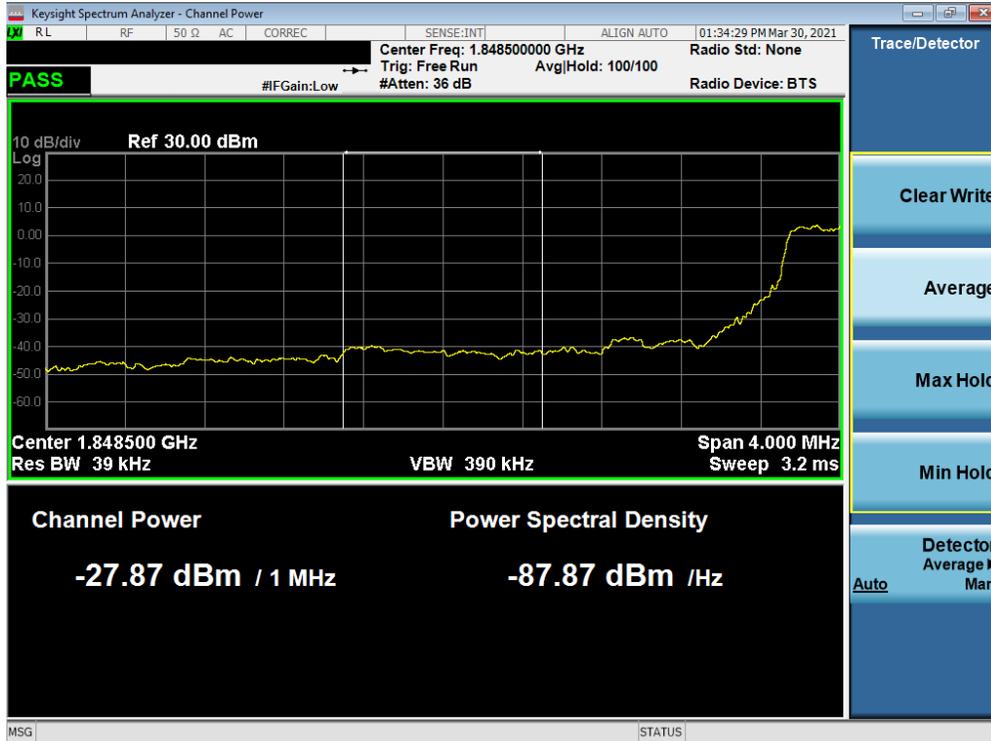


Plot 7-215. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 128 of 197



Plot 7-216. Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB - Antenna E)

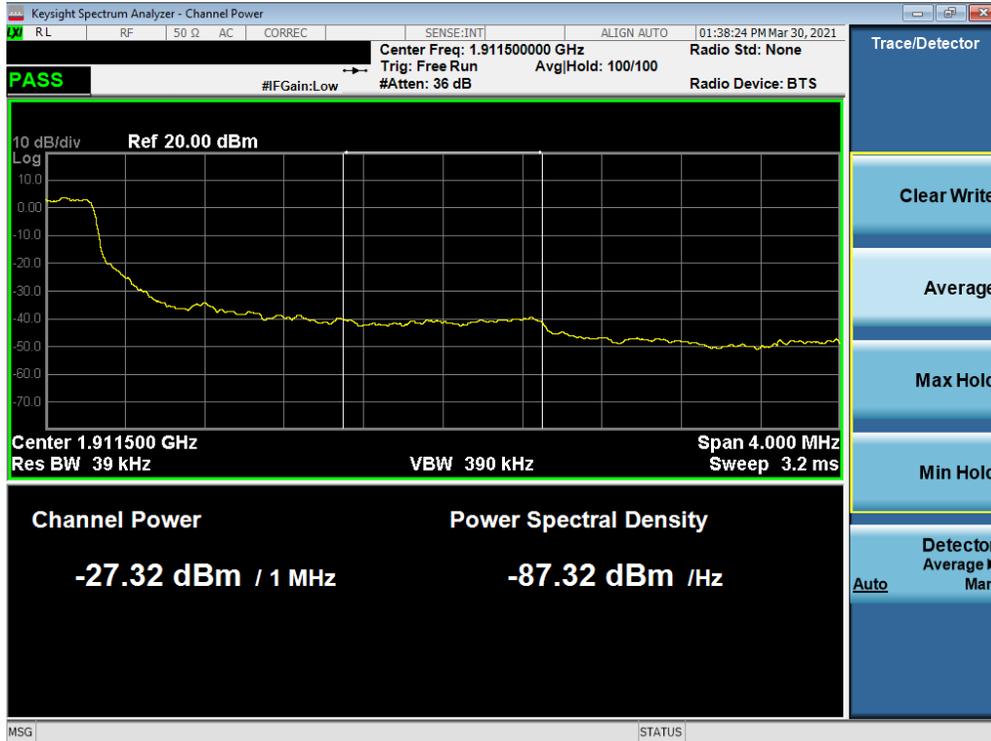


Plot 7-217. Extended Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 129 of 197



Plot 7-218. Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB - Antenna E)

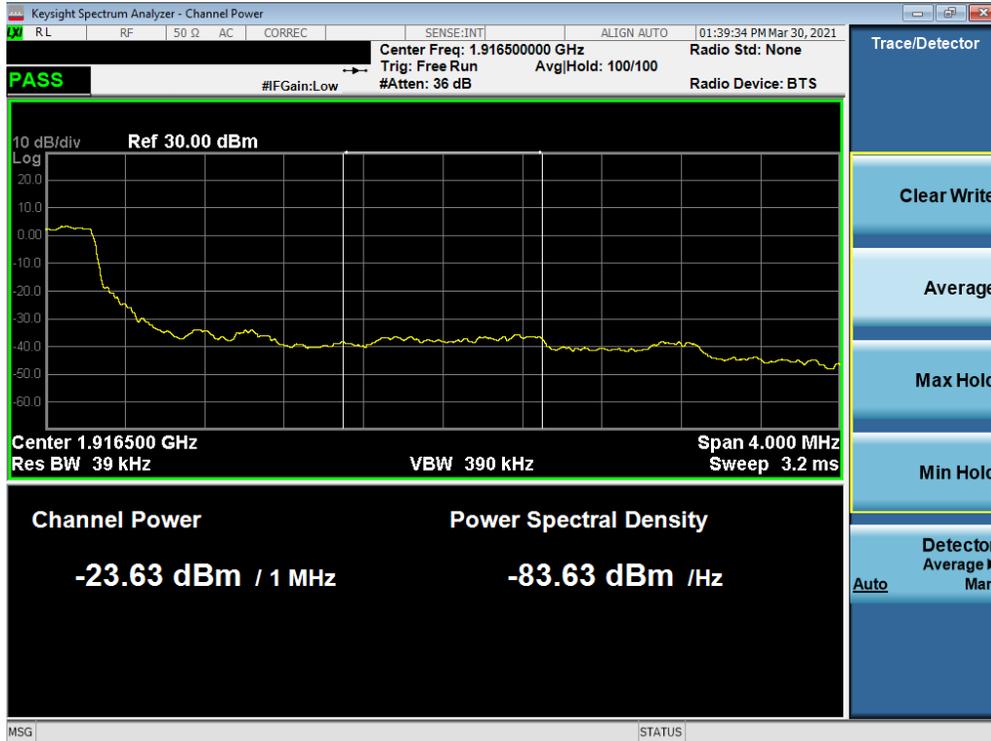


Plot 7-219. Extended Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 130 of 197



Plot 7-220. Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB - Antenna E)



Plot 7-221. Extended Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB - Antenna E)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 131 of 197

7.6 Peak-Average Ratio

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 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
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.

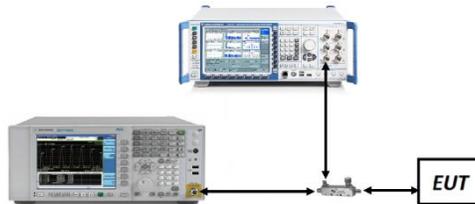


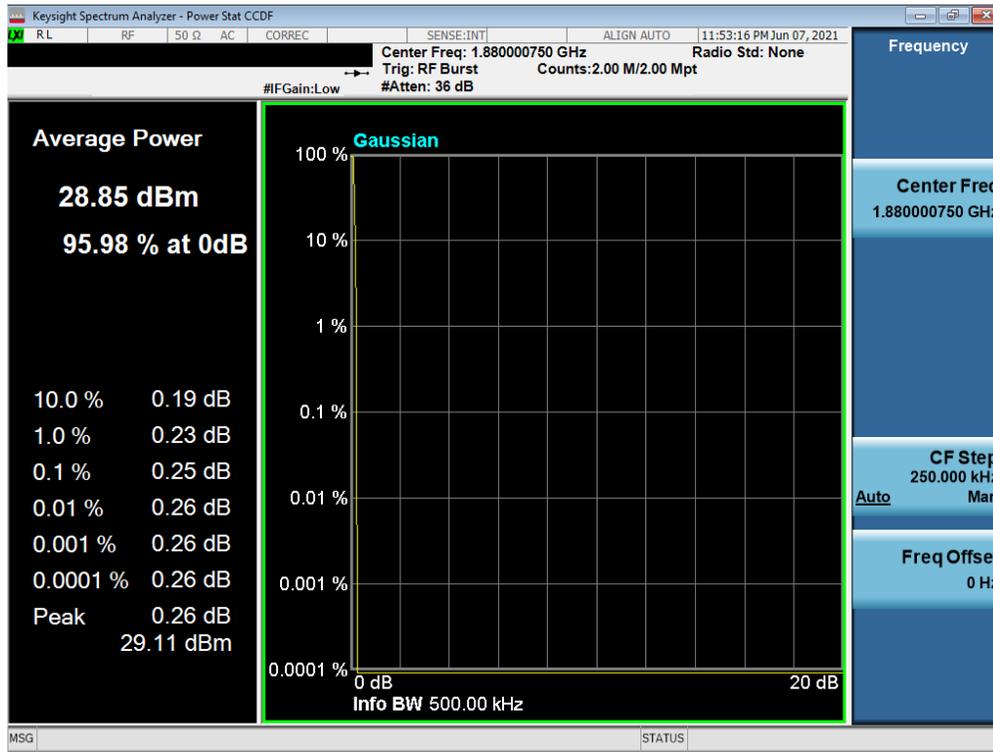
Figure 7-5. Test Instrument & Measurement Setup

Test Notes

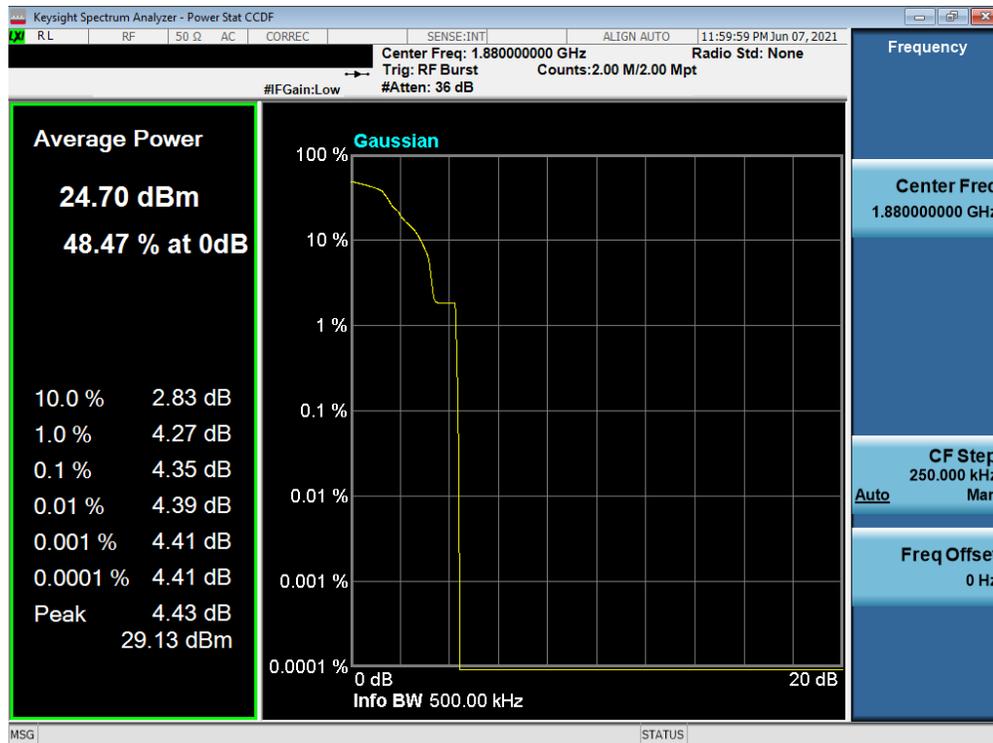
None.

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS



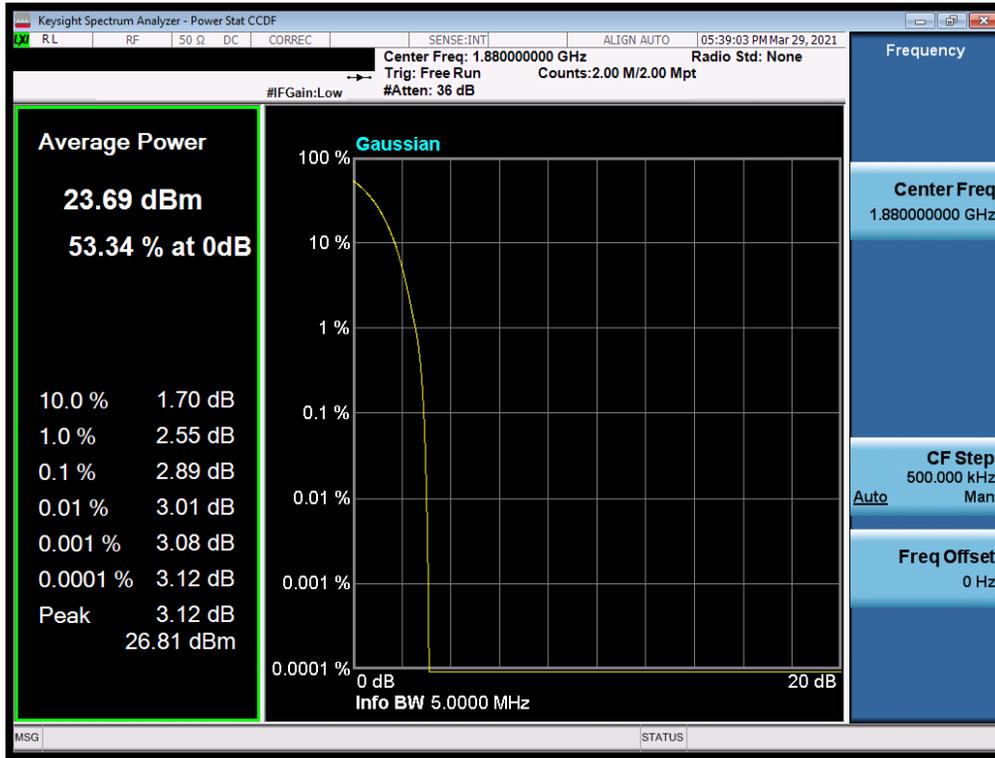
Plot 7-222. PAR Plot (GPRS, Ch. 661)



Plot 7-223. PAR Plot (EDGE, Ch. 661)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 133 of 197

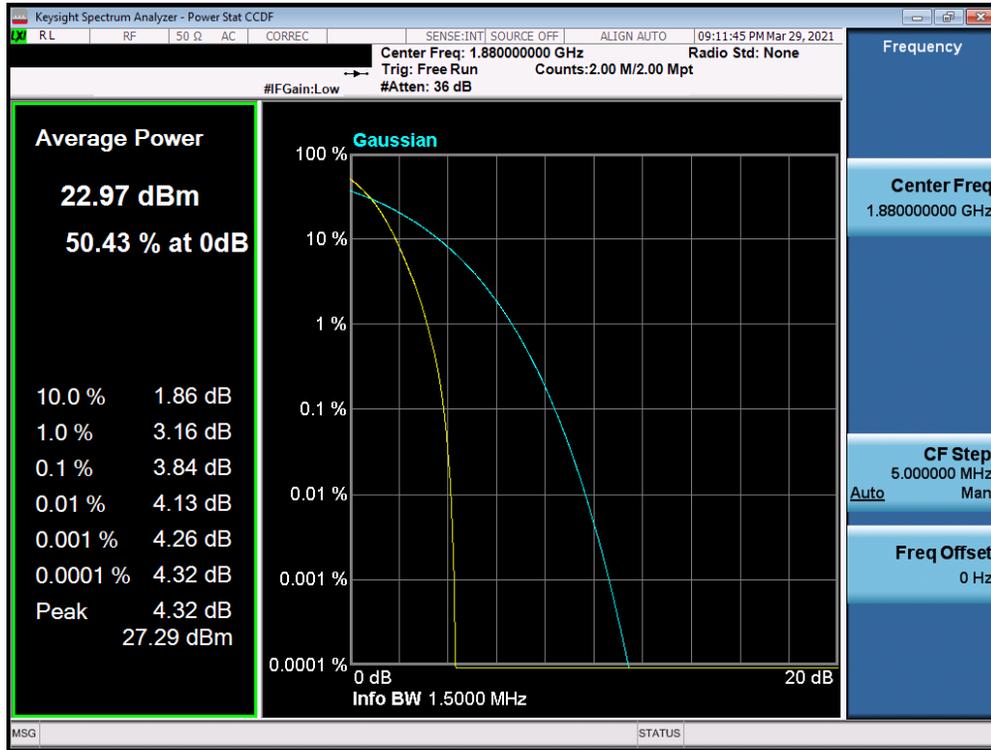
WCDMA PCS



Plot 7-224. PAR Plot (WCDMA, Ch. 9400)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 134 of 197

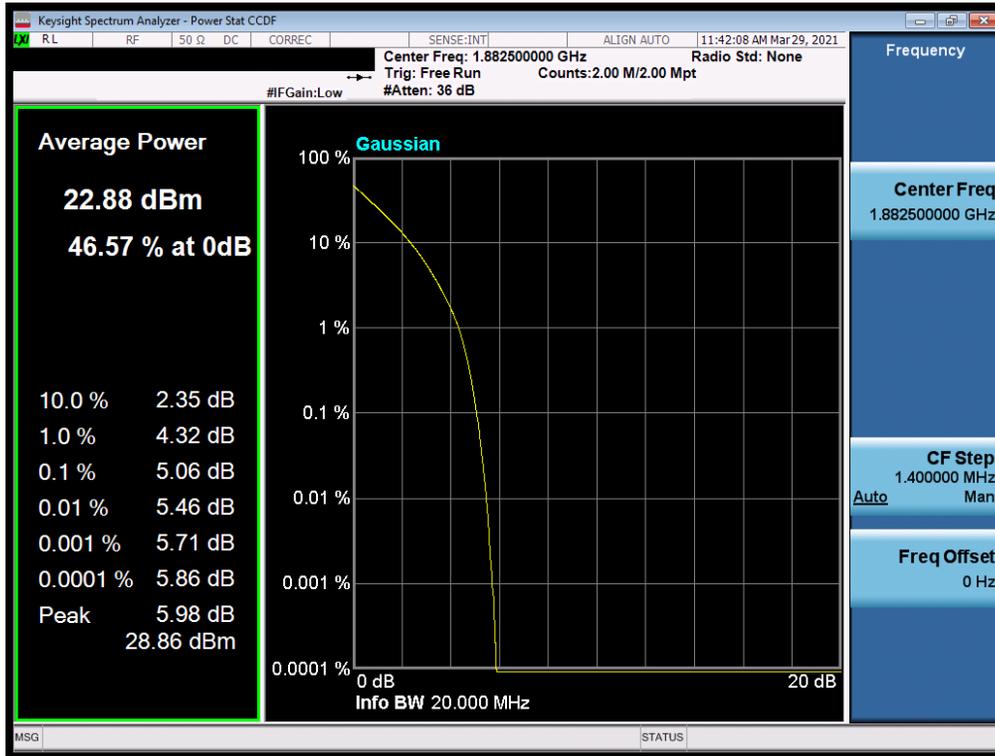
CDMA PCS



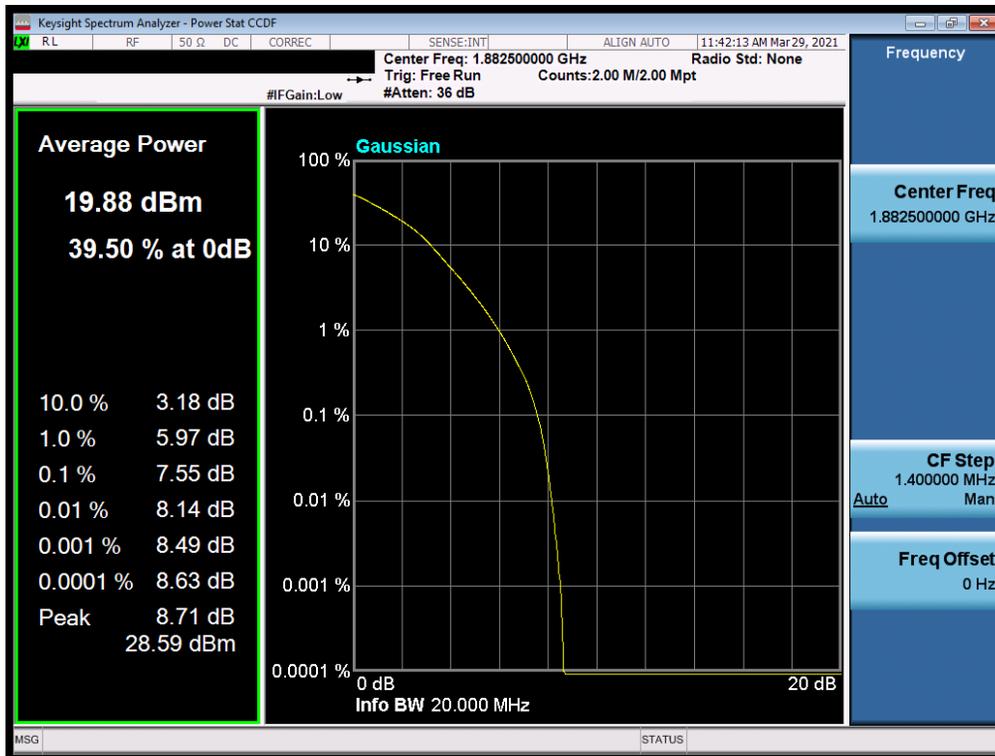
Plot 7-225. PAR Plot (CDMA, Ch. 600)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 135 of 197

LTE Band 25/2 – Antenna B

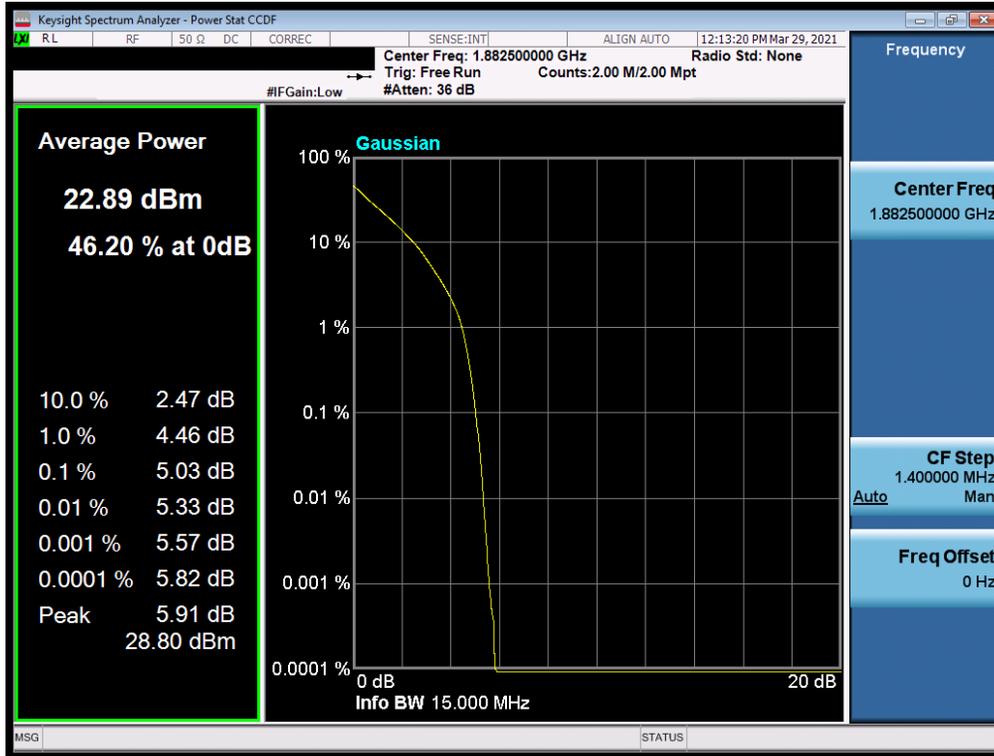


Plot 7-226. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB)

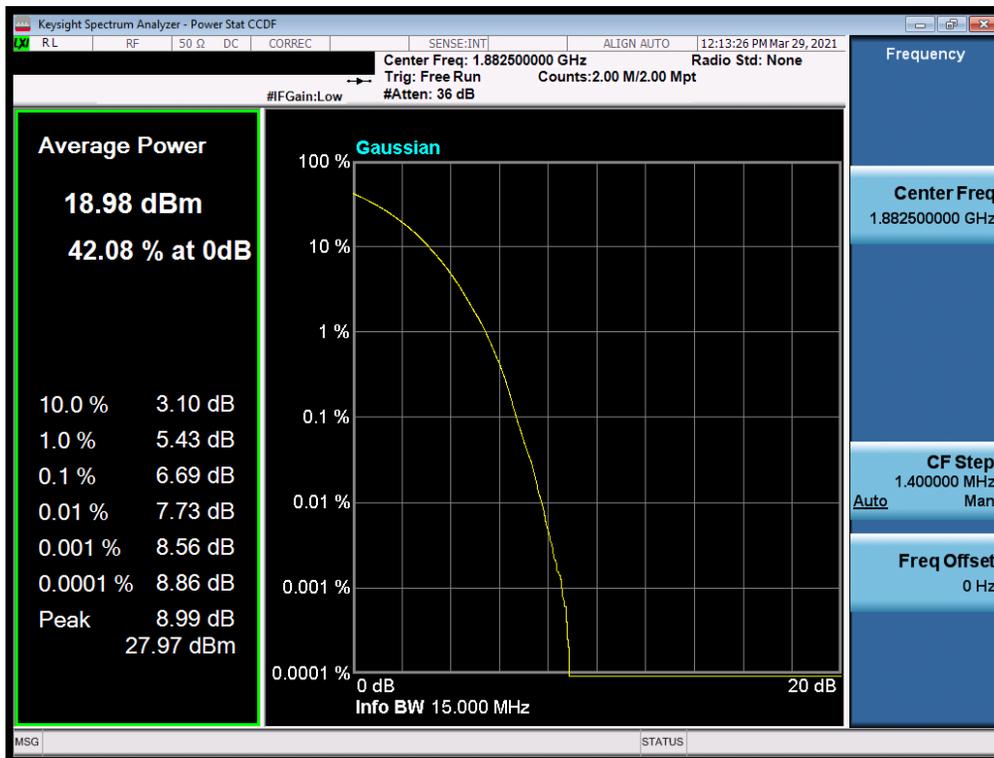


Plot 7-227. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 136 of 197

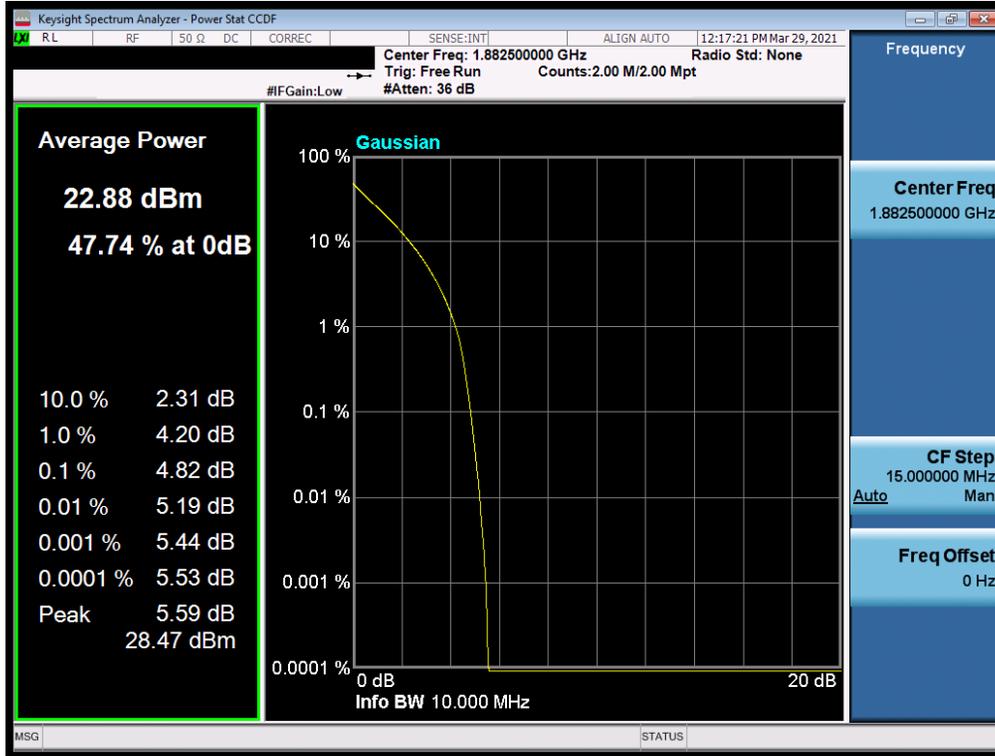


Plot 7-228. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB)

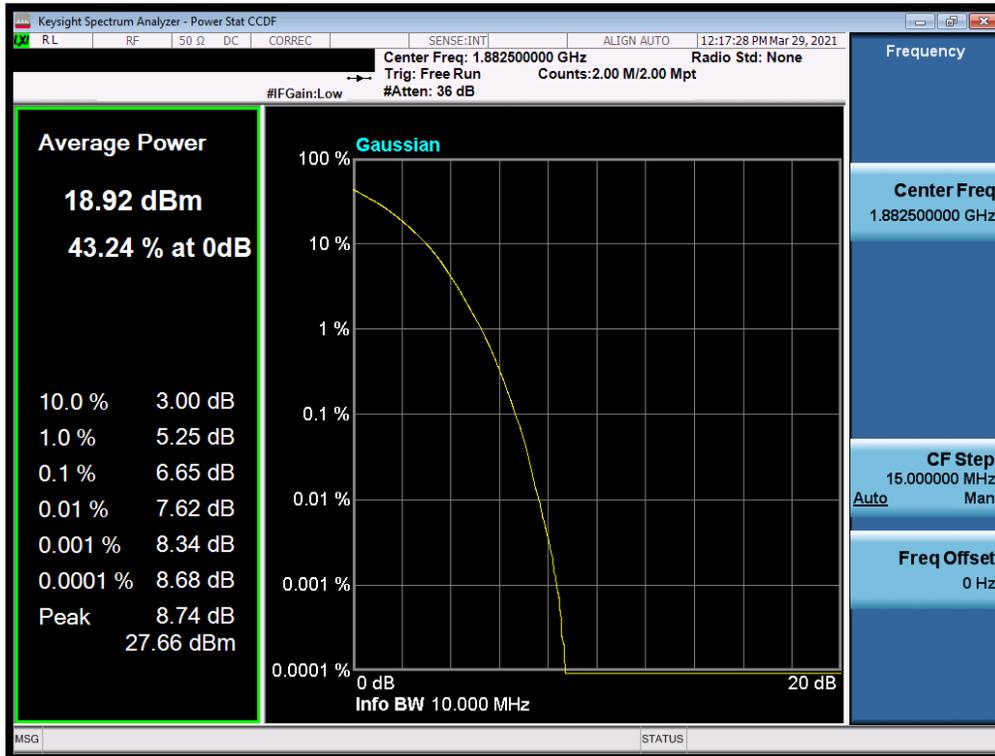


Plot 7-229. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 137 of 197

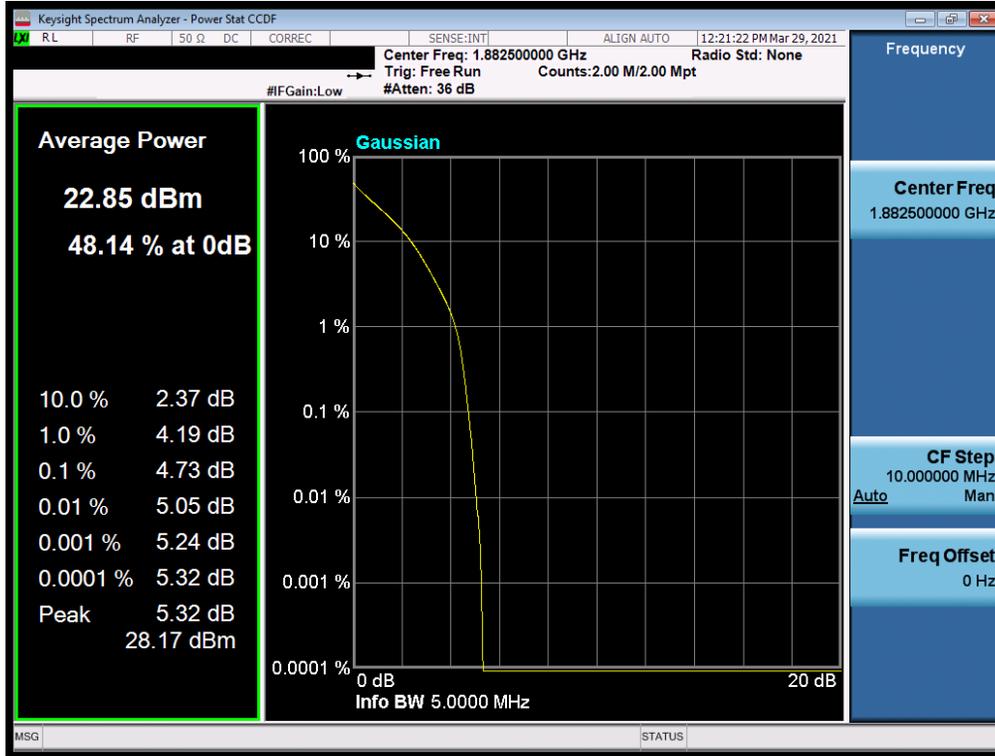


Plot 7-230. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB)

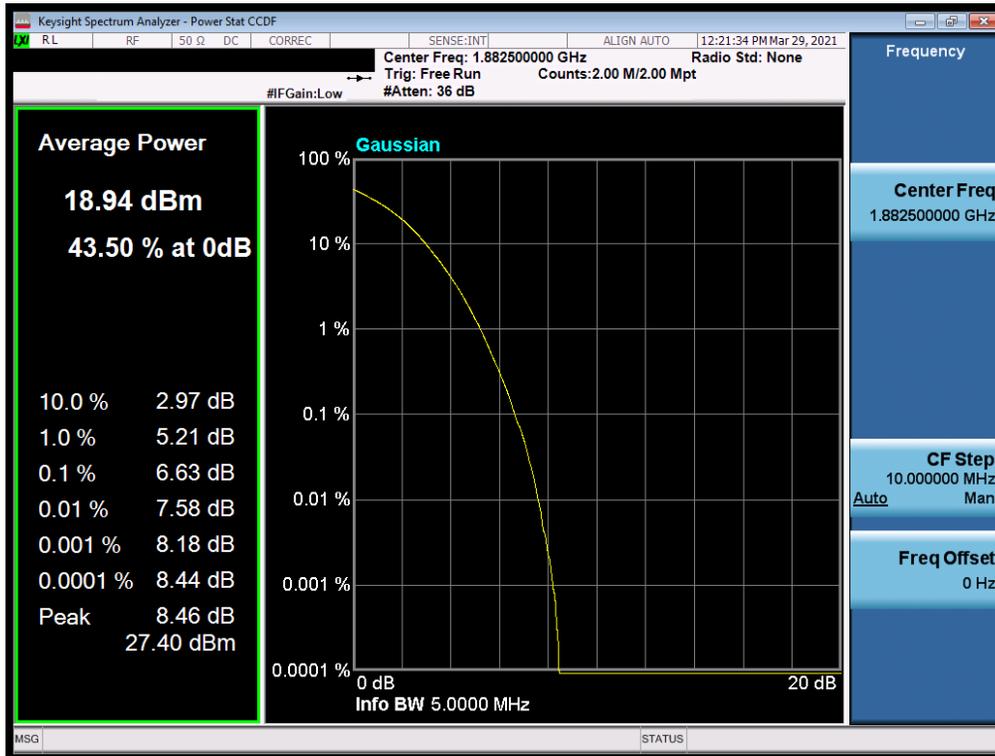


Plot 7-231. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 138 of 197

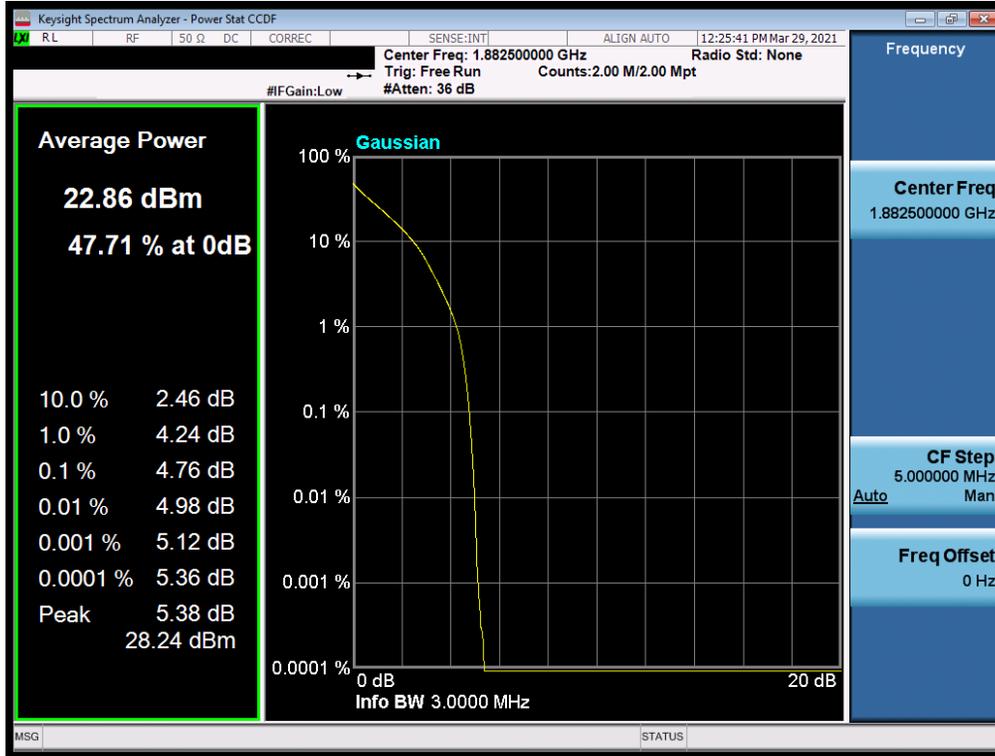


Plot 7-232. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB)

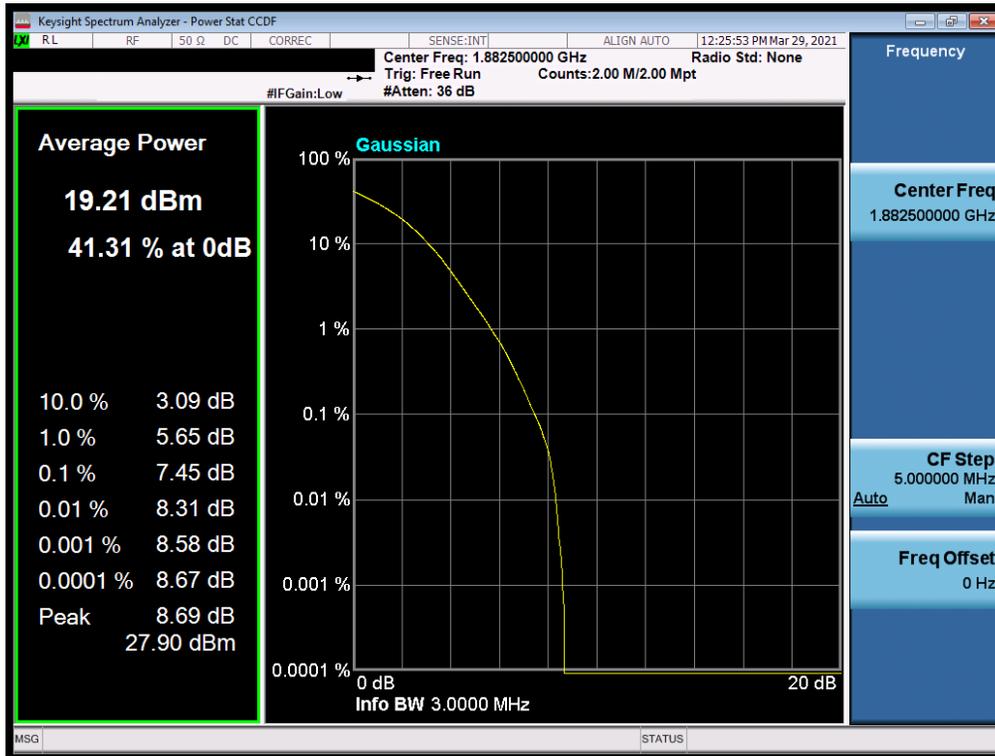


Plot 7-233. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 139 of 197

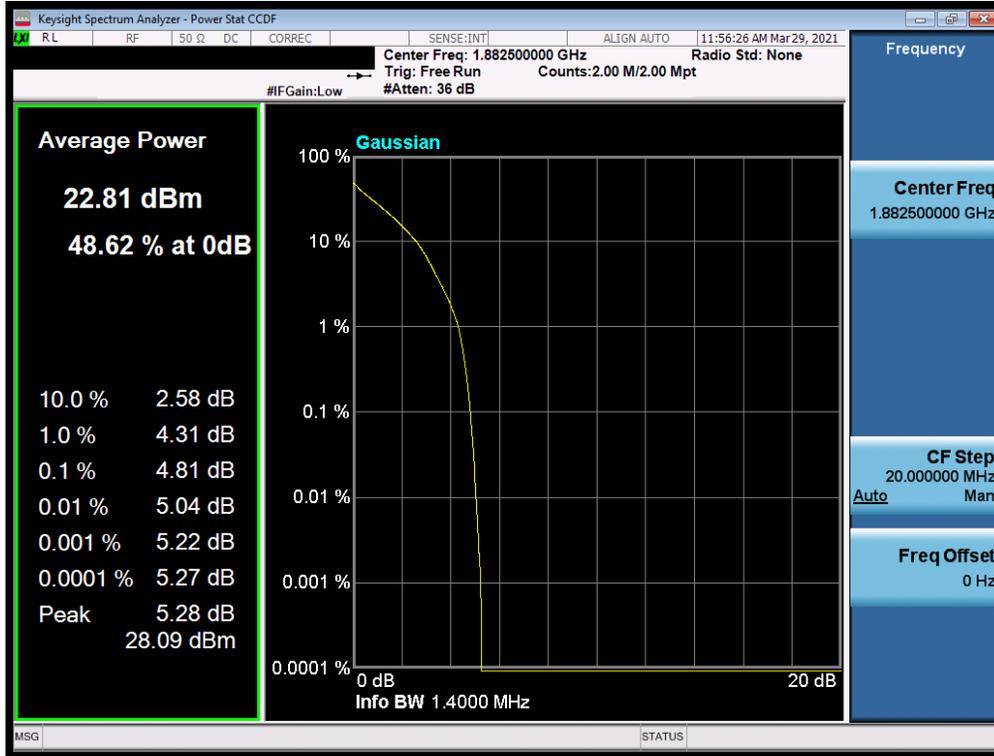


Plot 7-234. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB)

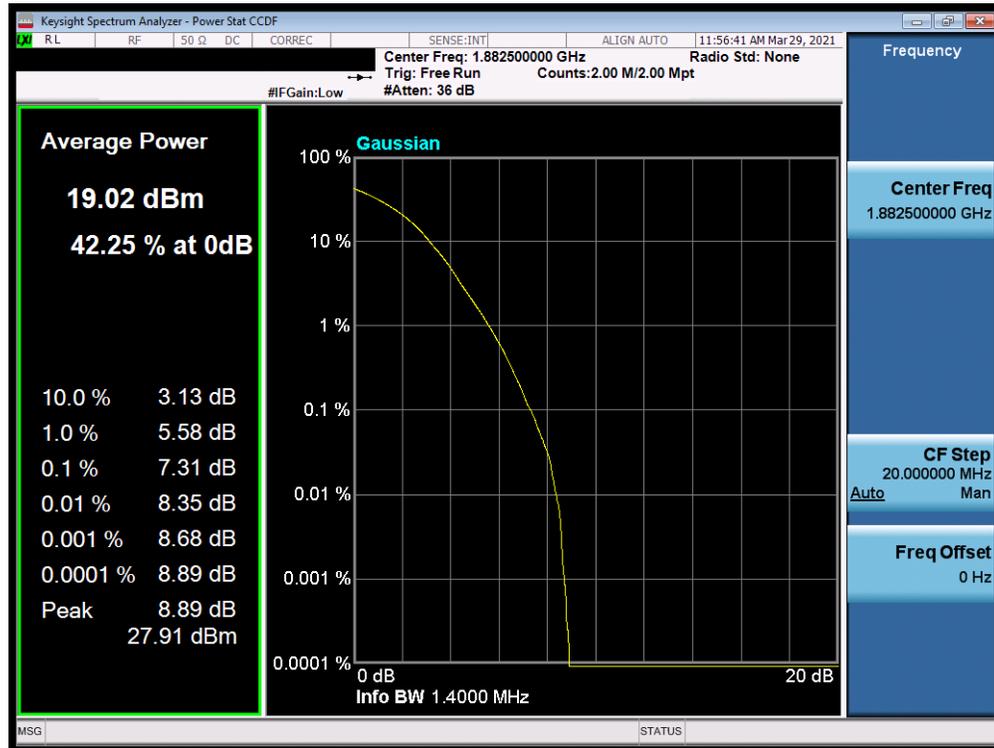


Plot 7-235. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-236. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB)



Plot 7-237. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-03.A3L	Test Dates: 03/26- 06/07/2021	EUT Type: Portable Handset		Page 141 of 197