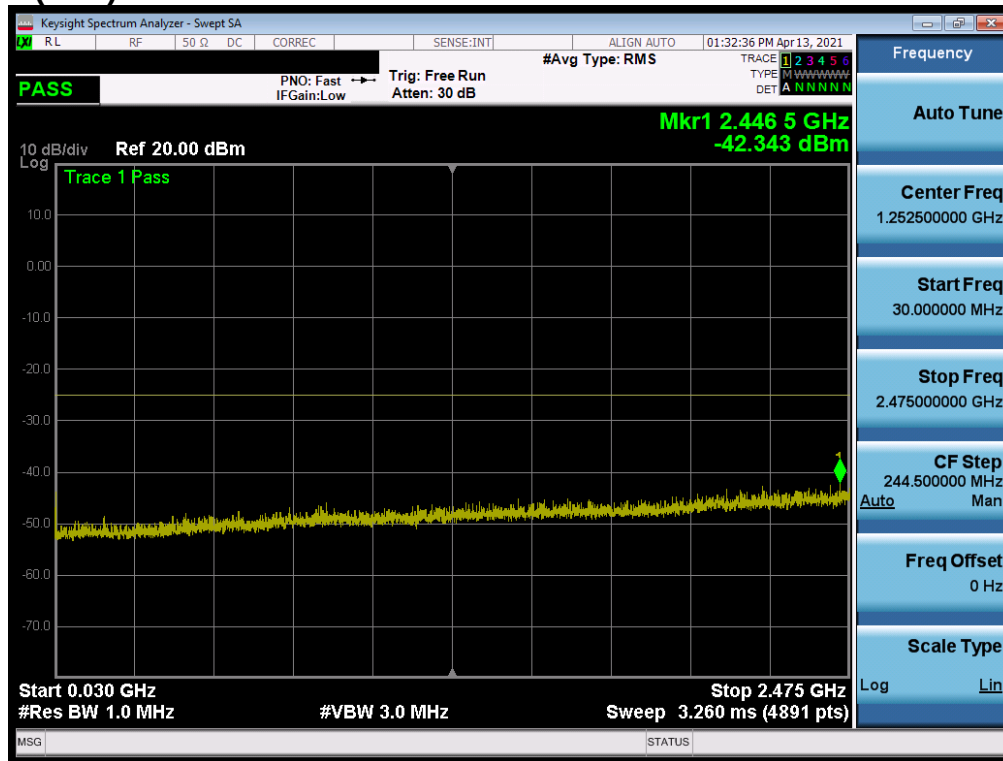
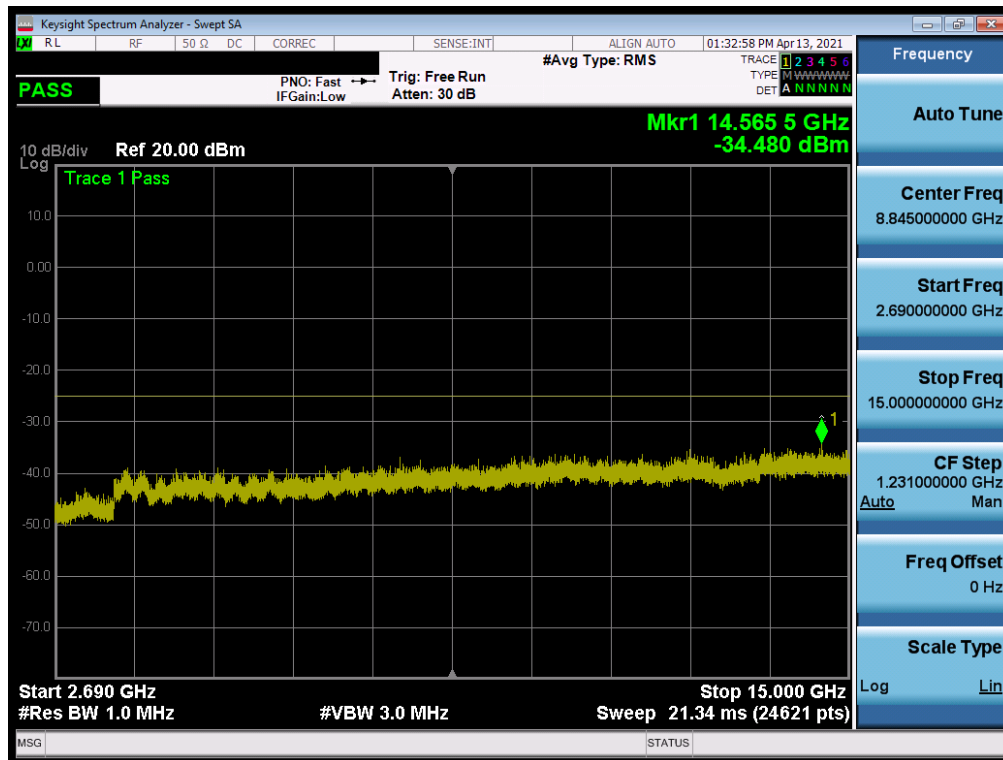


LTE Band 41(PC2)

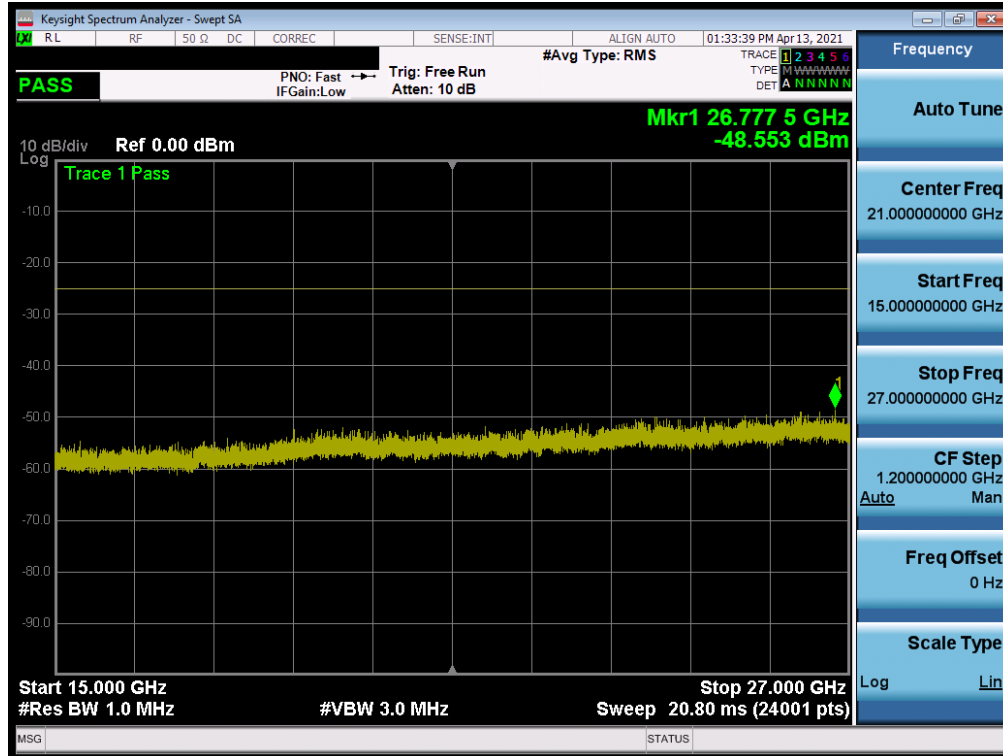


Plot 7-95. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

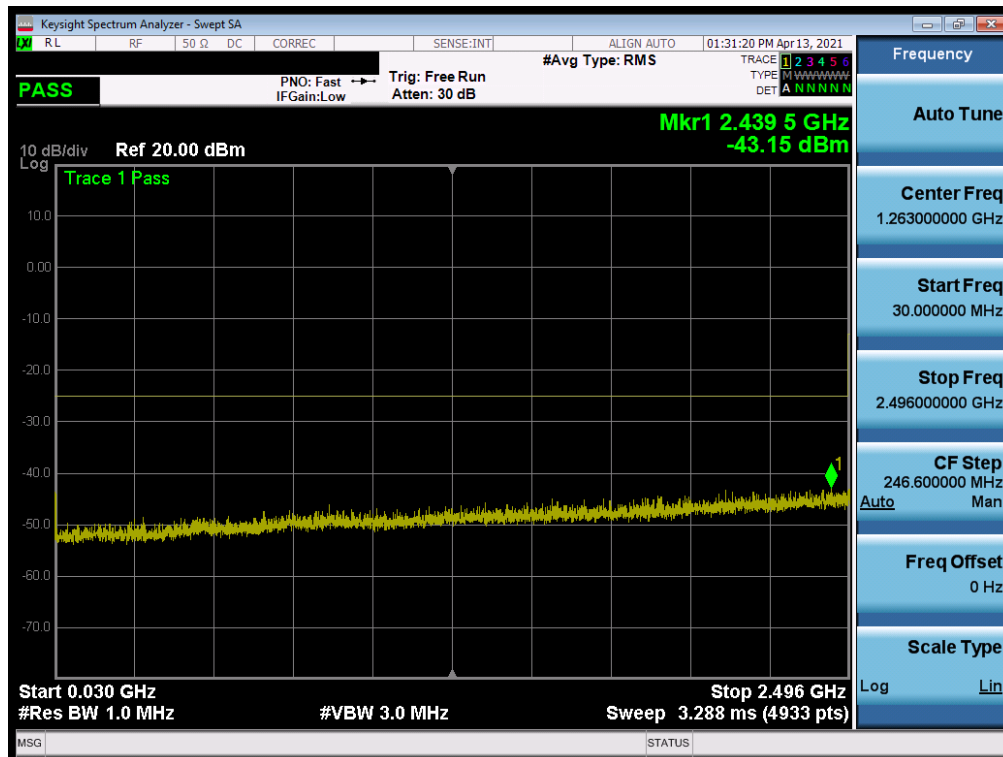


Plot 7-96. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 65 of 169

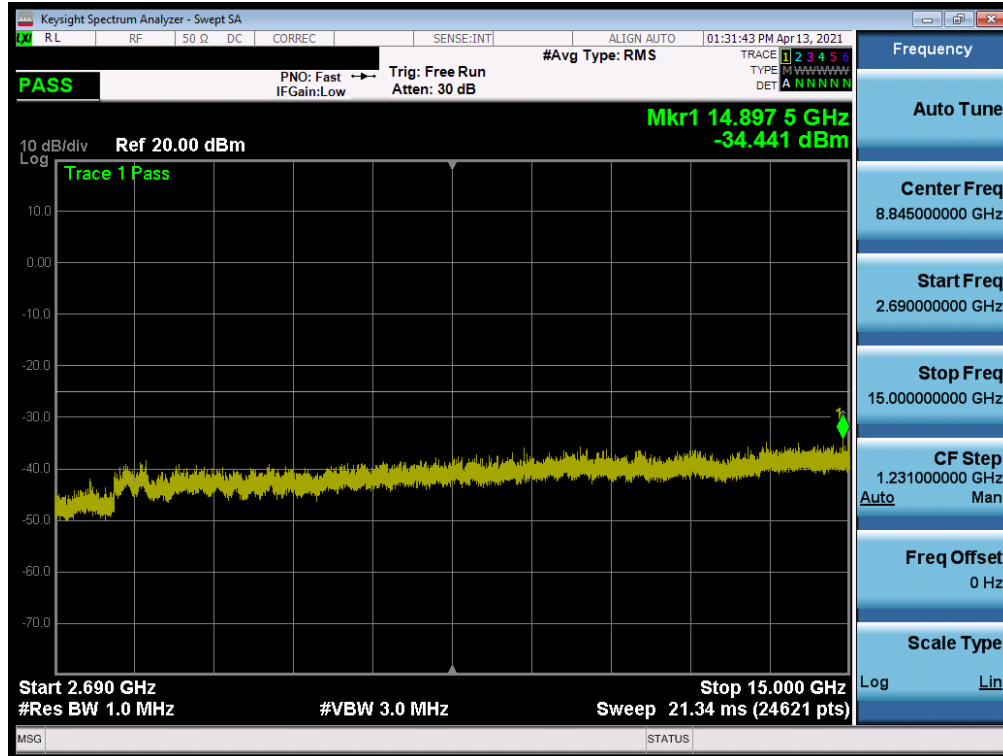


Plot 7-97. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

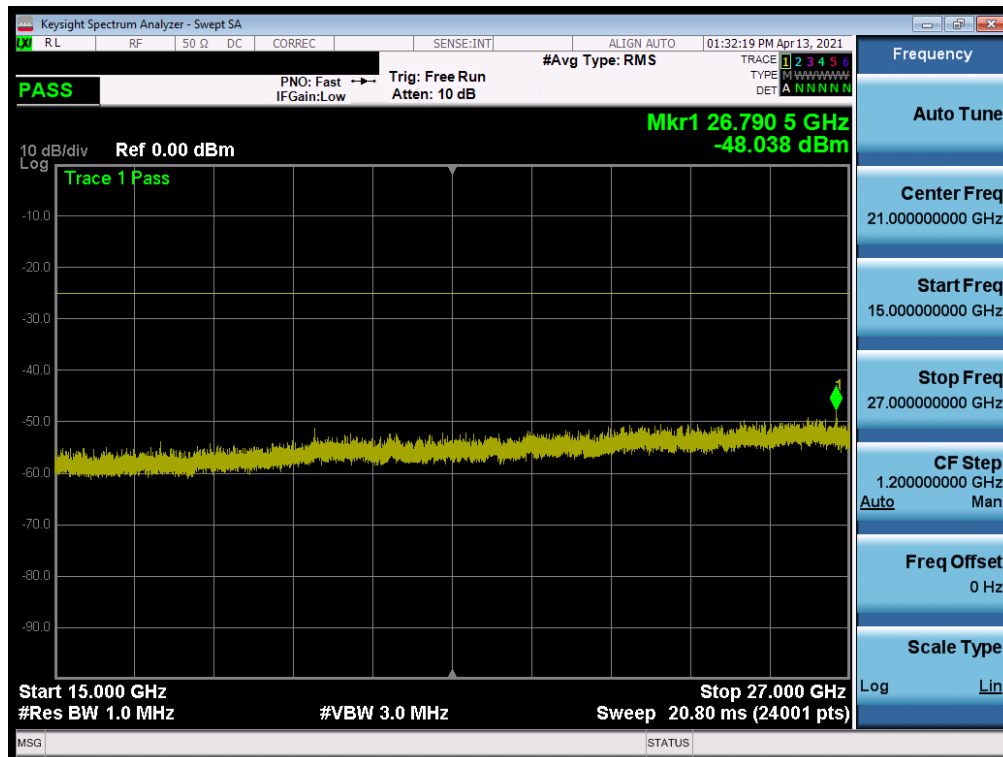


Plot 7-98. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 66 of 169

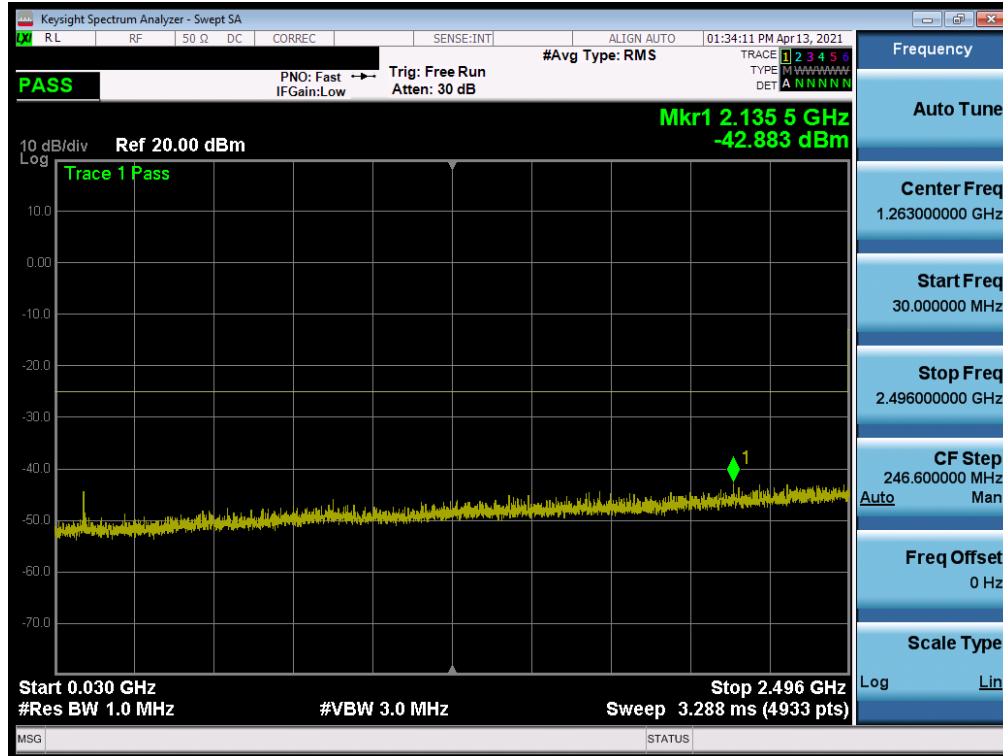


Plot 7-99. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

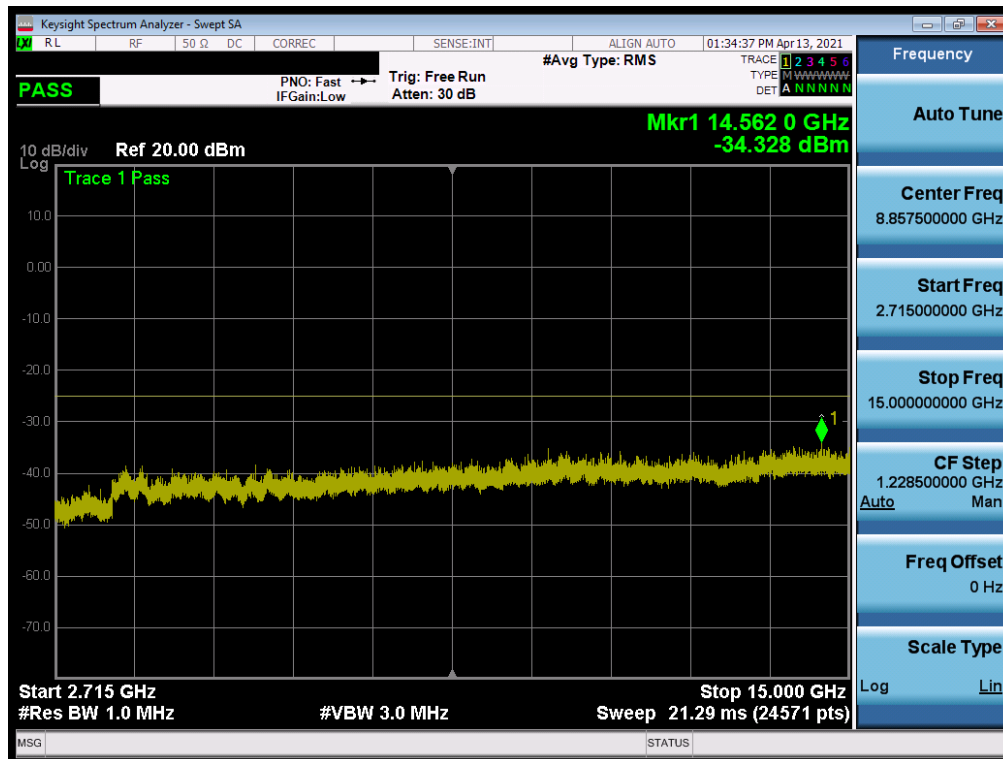


Plot 7-100. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 67 of 169

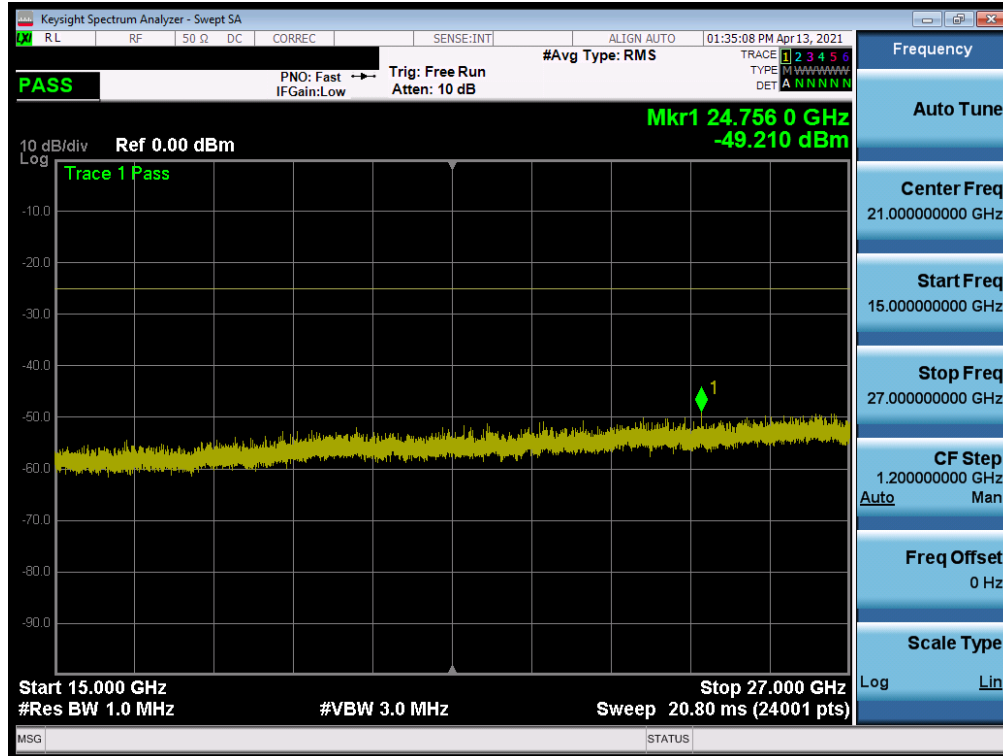


Plot 7-101. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-102. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

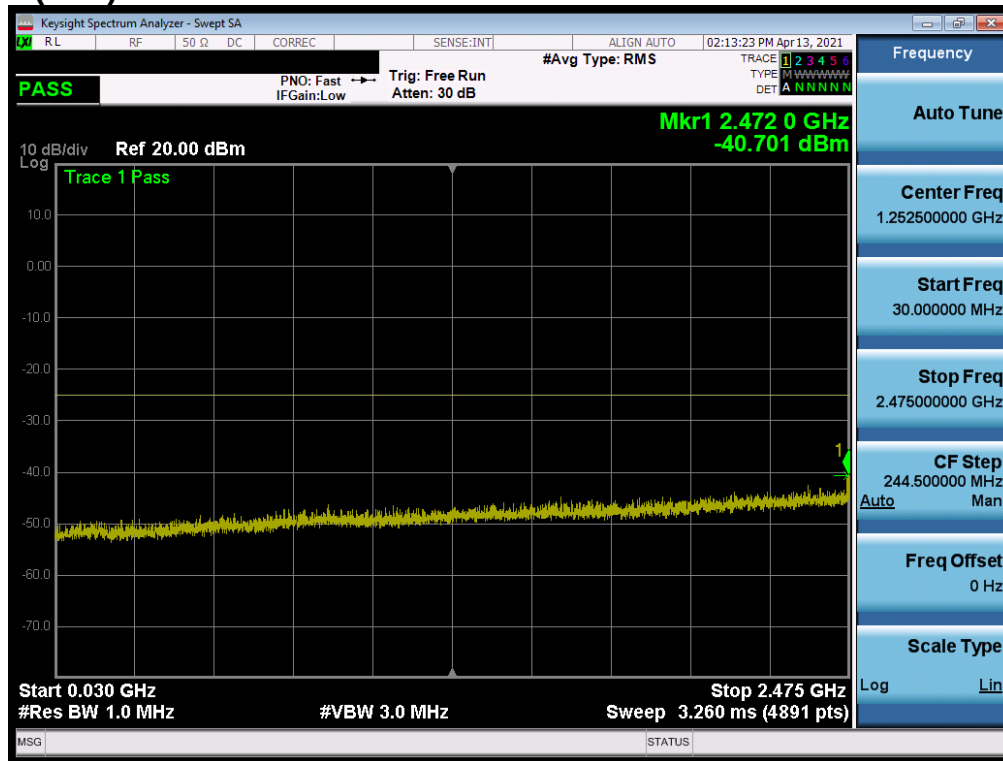
FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 68 of 169



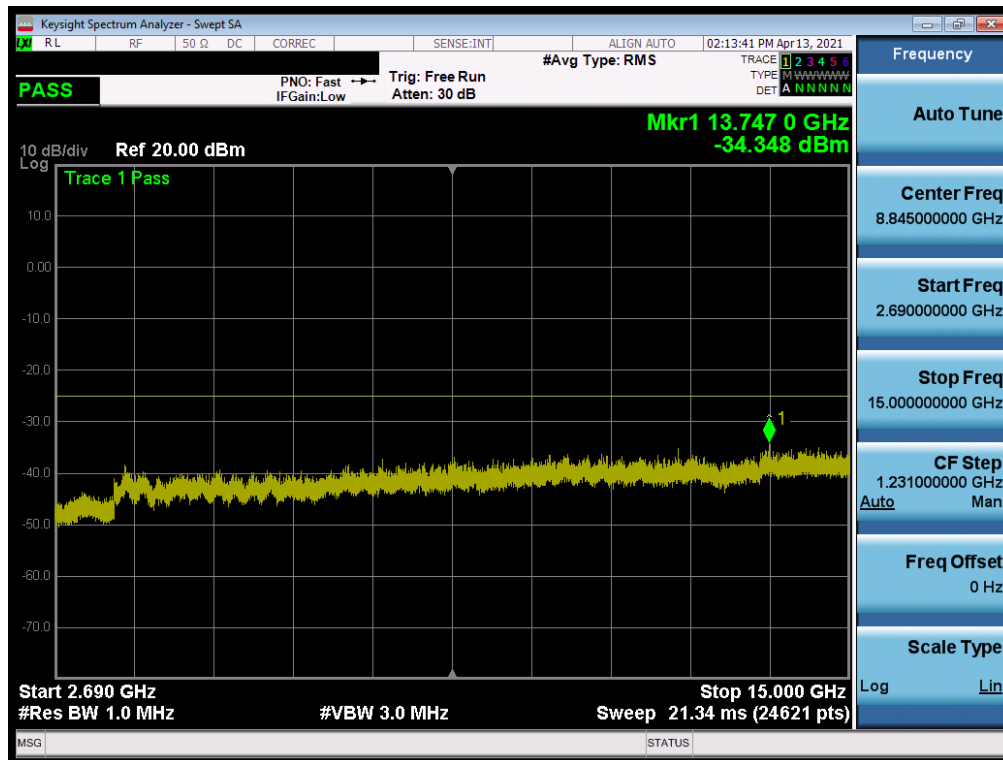
Plot 7-103. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 69 of 169

LTE Band 41(PC3)/38

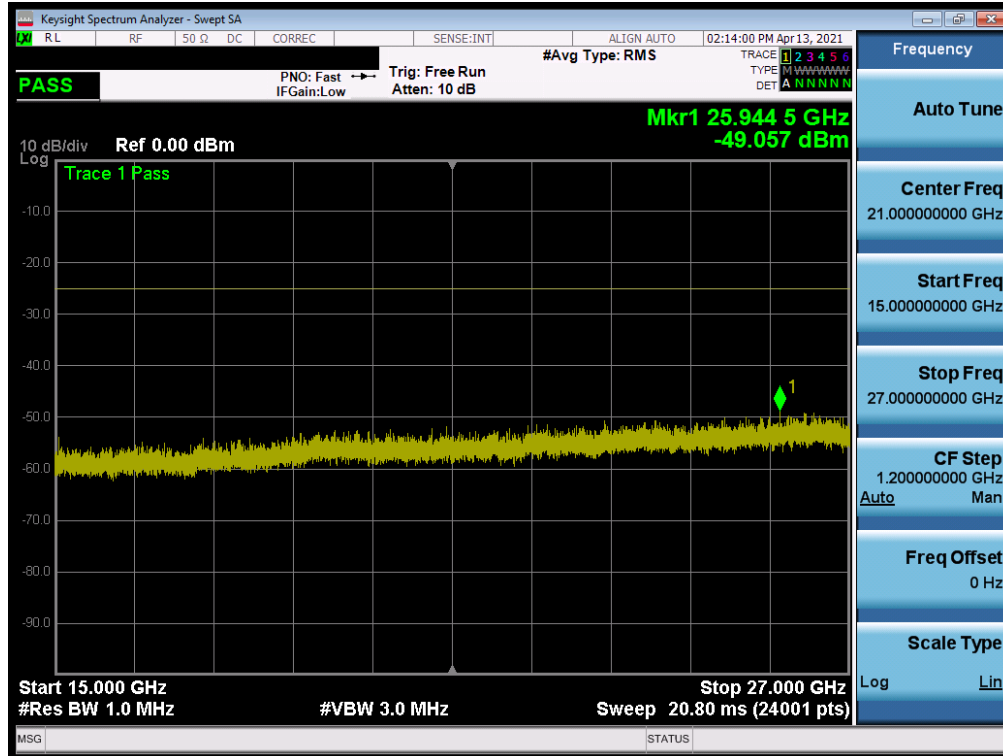


Plot 7-104. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

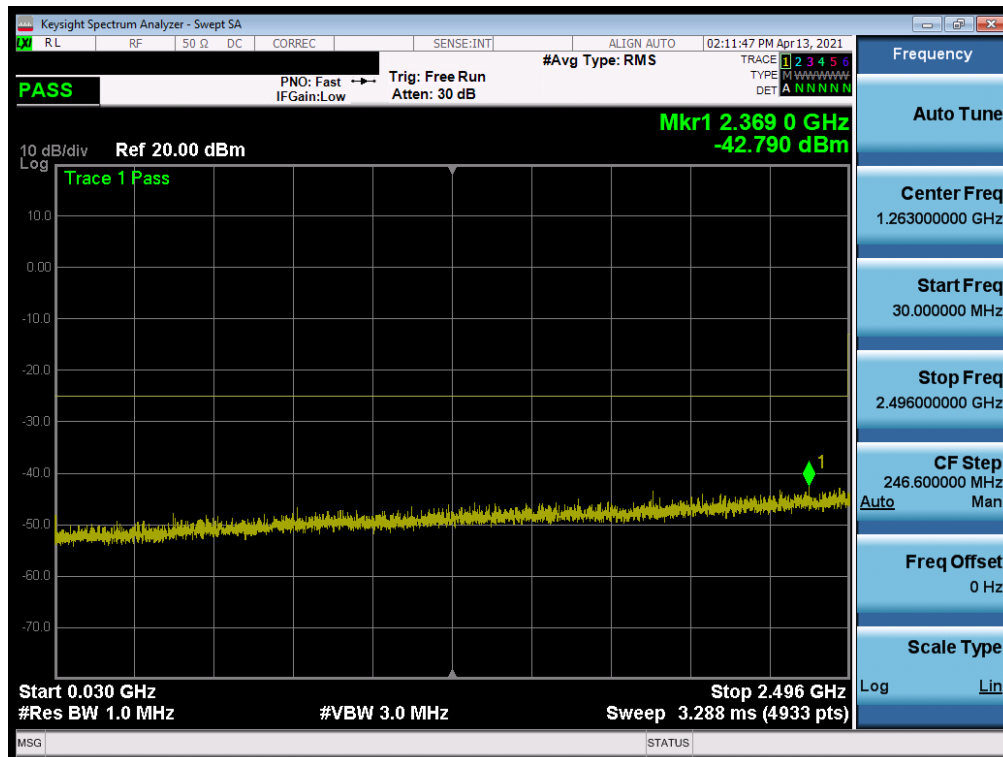


Plot 7-105. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 70 of 169

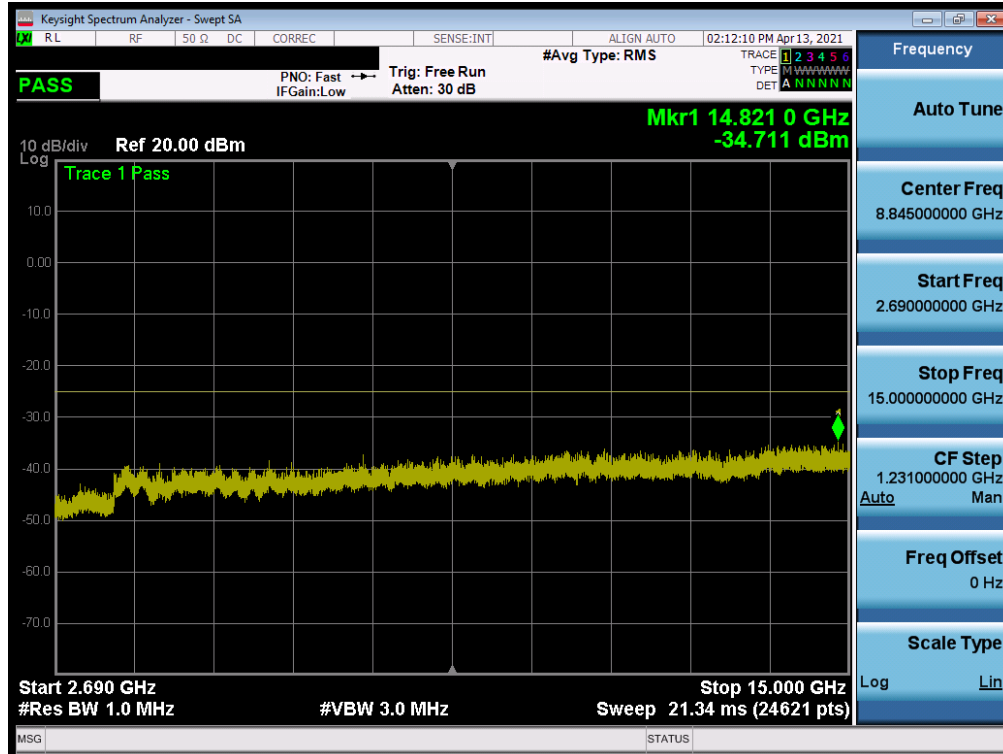


Plot 7-106. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

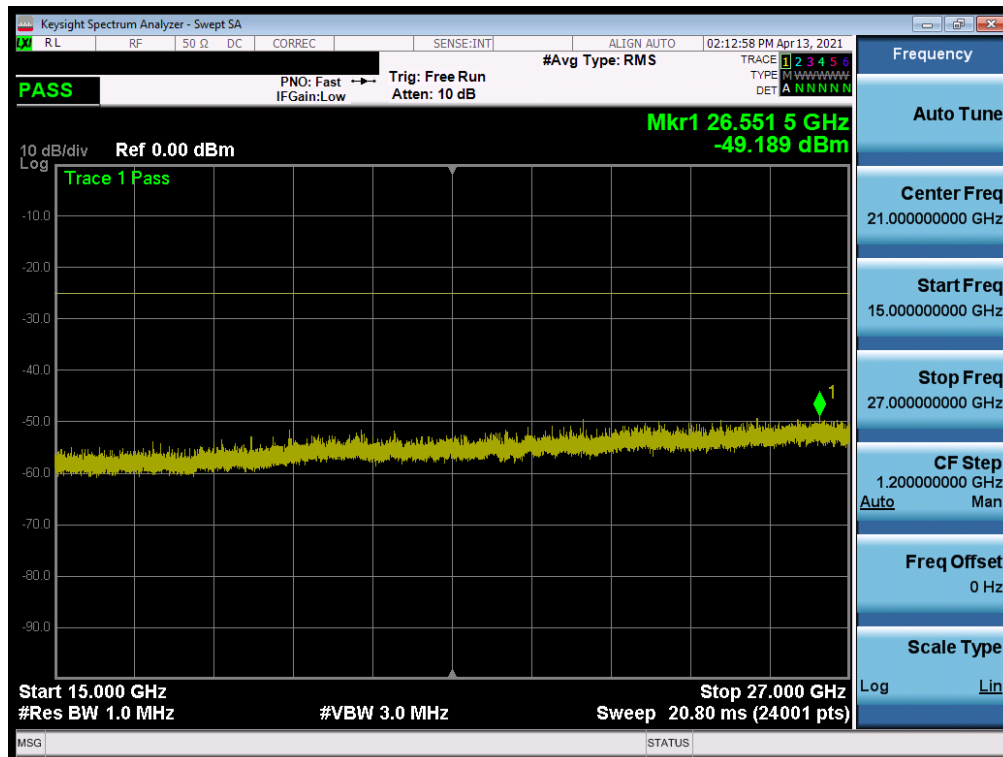


Plot 7-107. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 71 of 169

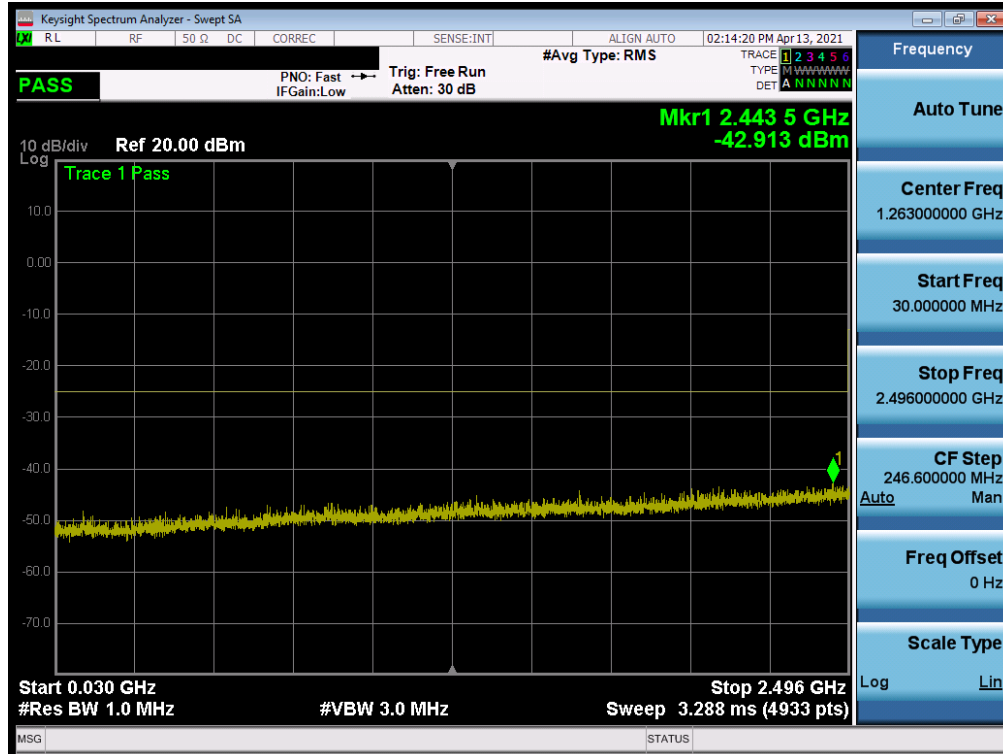


Plot 7-108. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

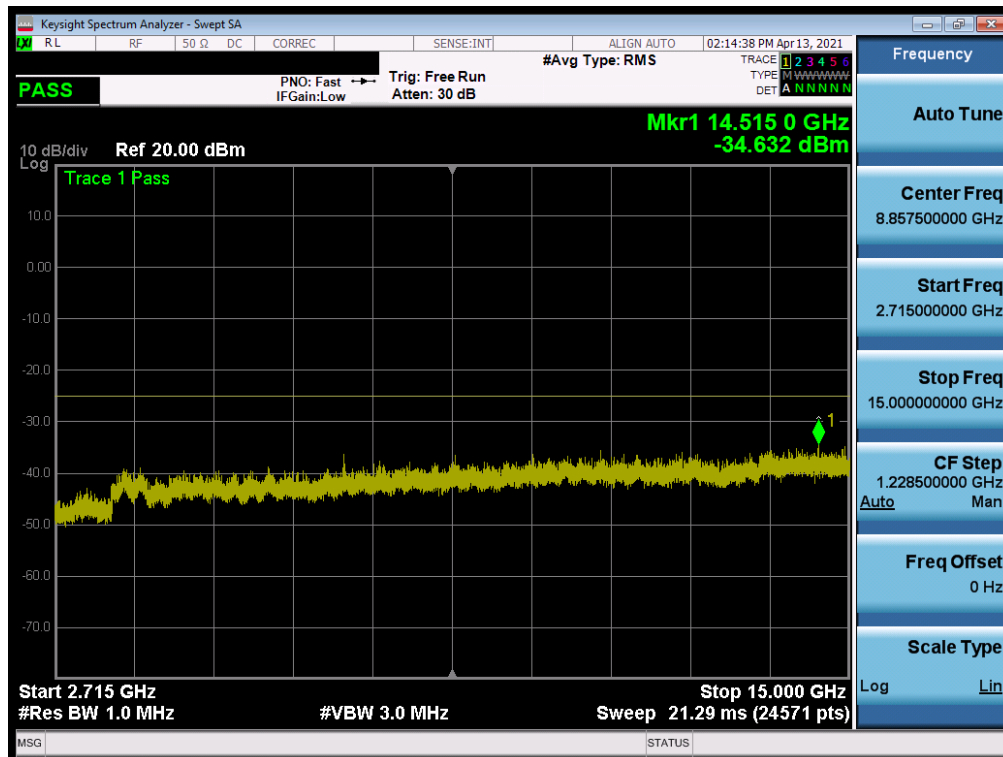


Plot 7-109. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 72 of 169

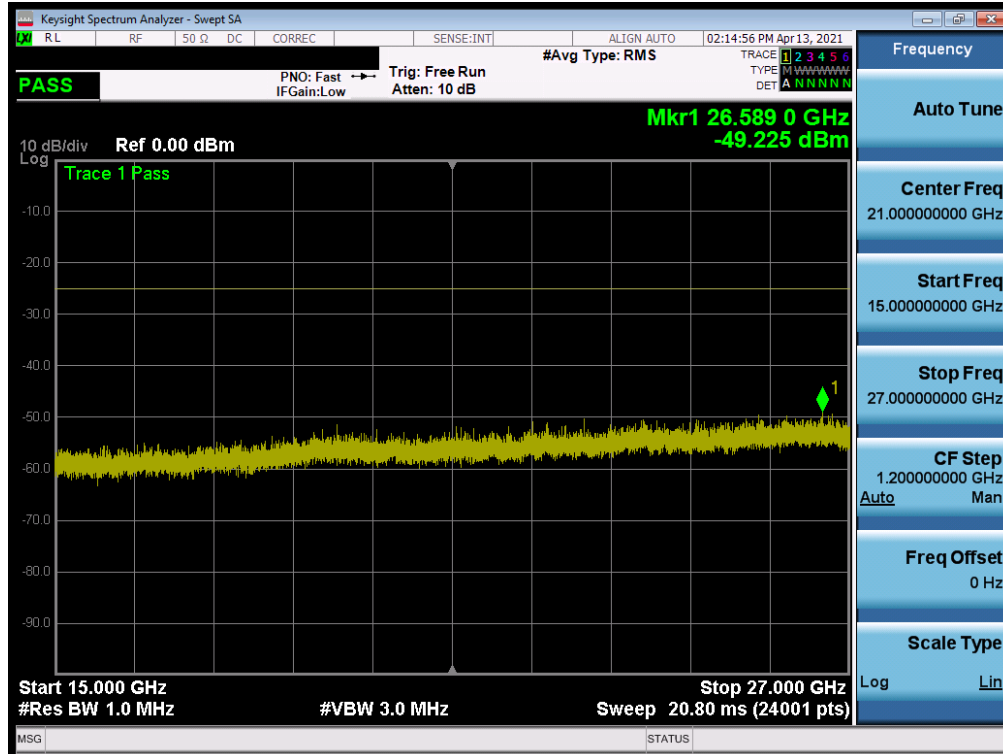


Plot 7-110. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-111. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 73 of 169



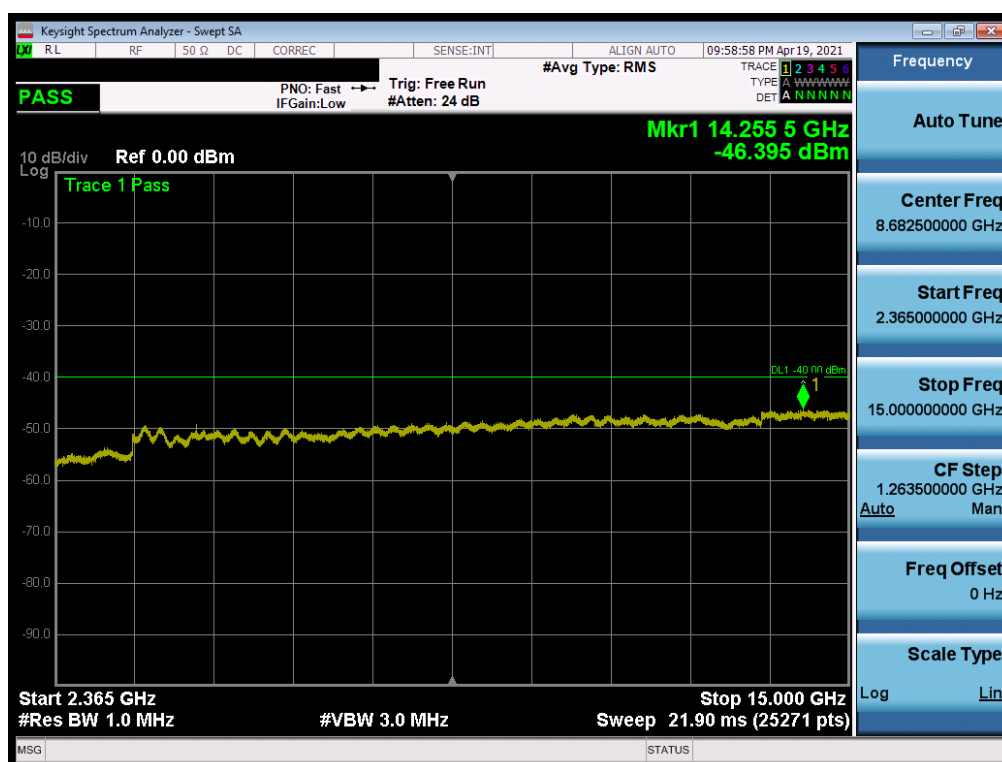
Plot 7-112. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 74 of 169

NR Band n30

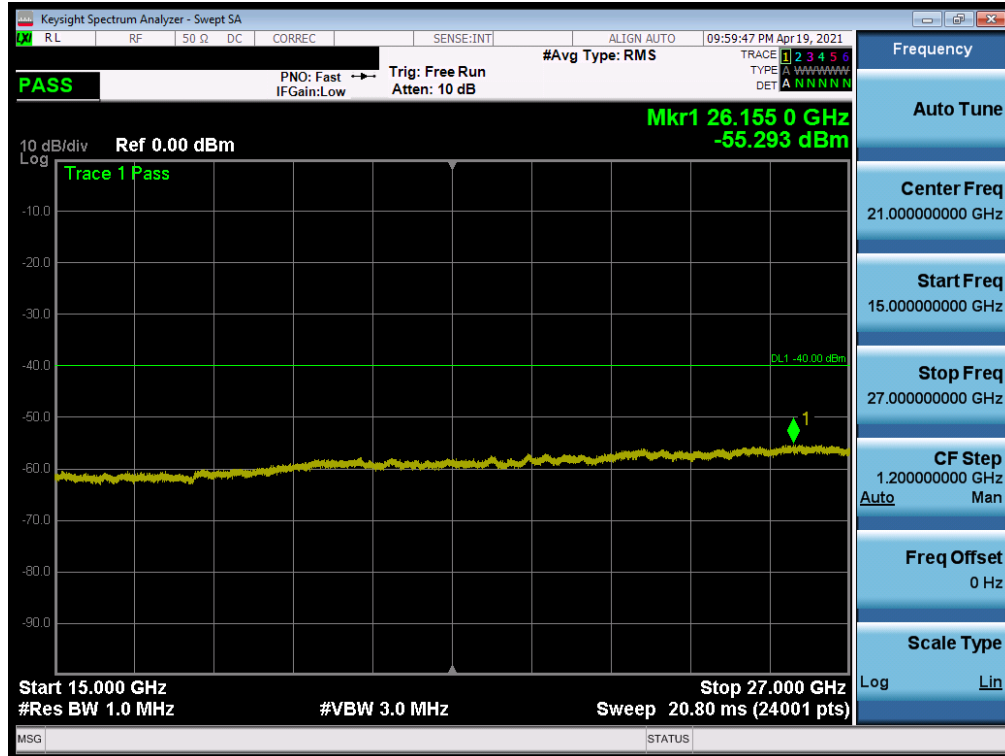


Plot 7-113. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-114. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)

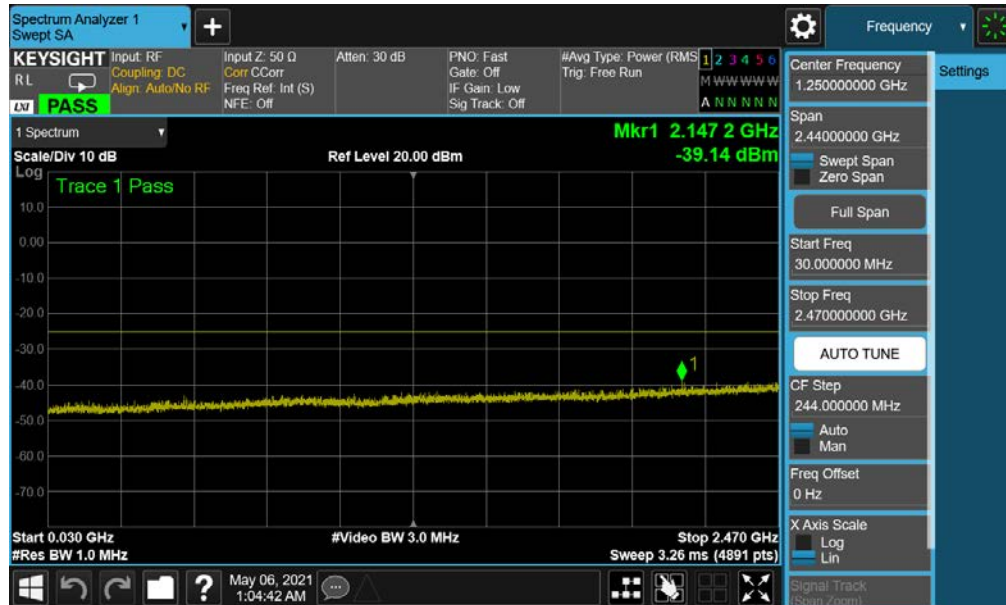
FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 75 of 169



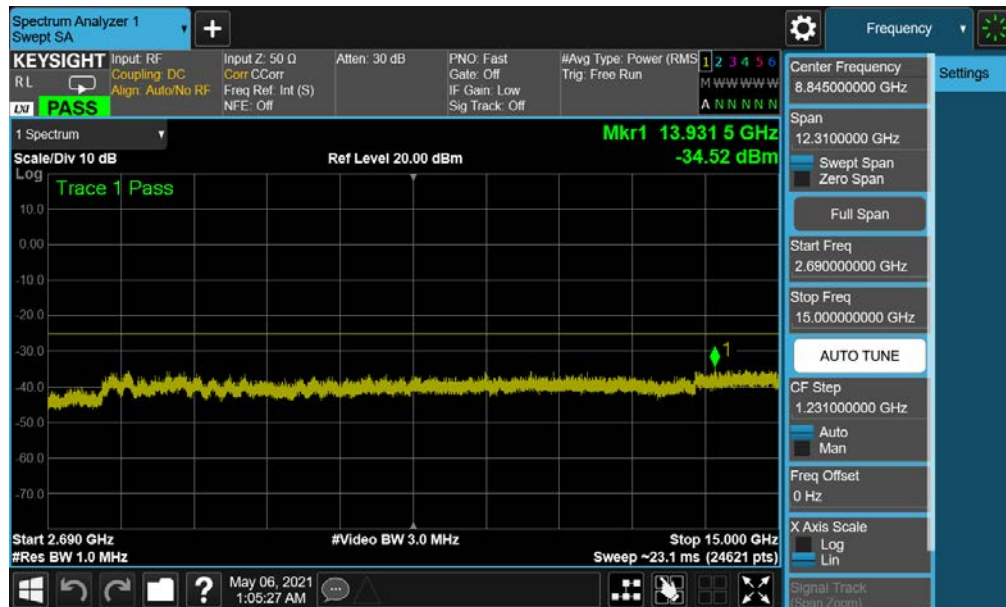
Plot 7-115. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 76 of 169

NR Band n41 (PC2)

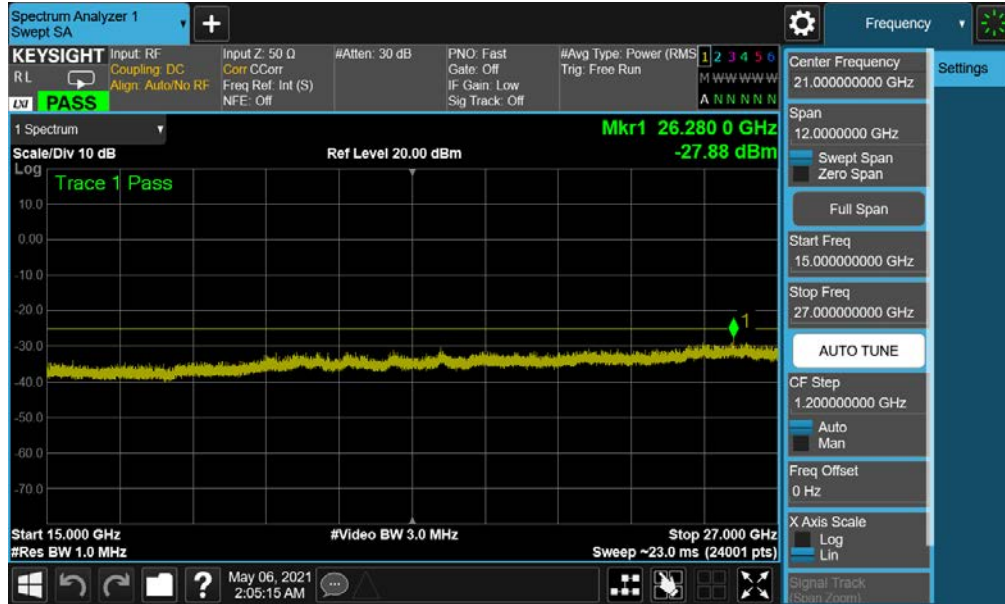


Plot 7-116. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

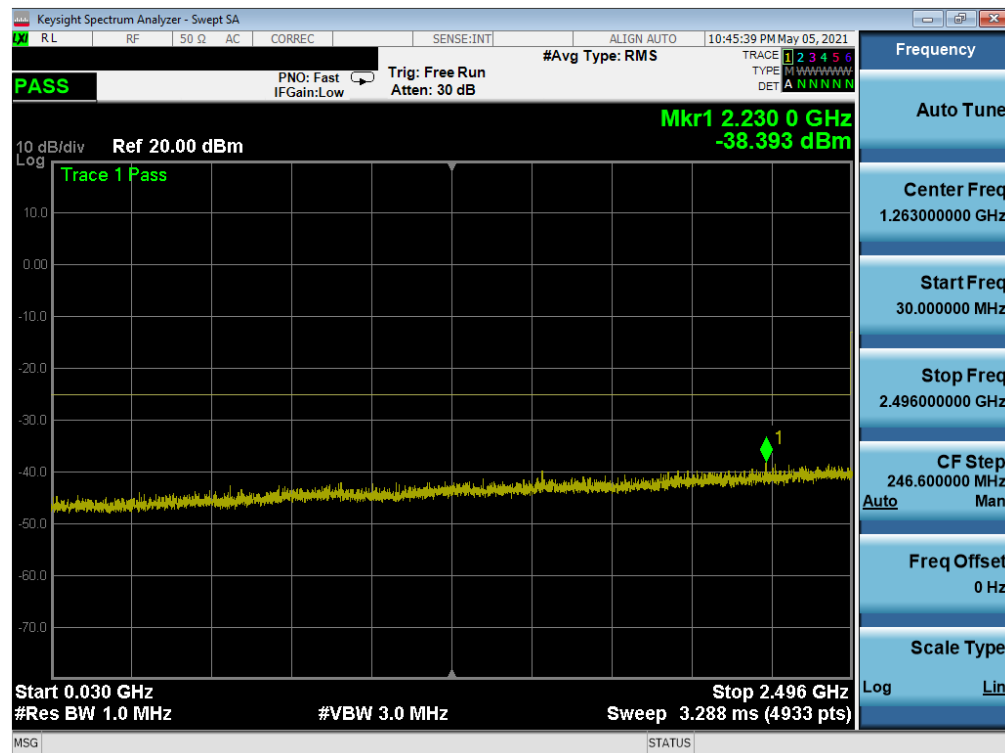


Plot 7-117. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMF711U1	PCTEST PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 77 of 169

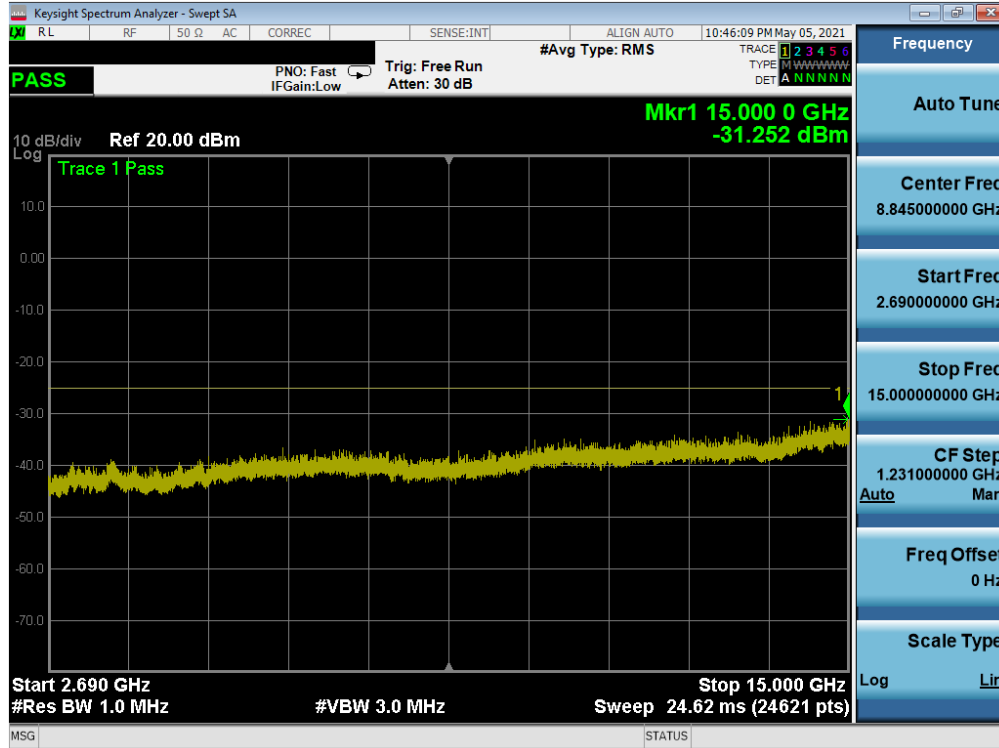


Plot 7-118. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

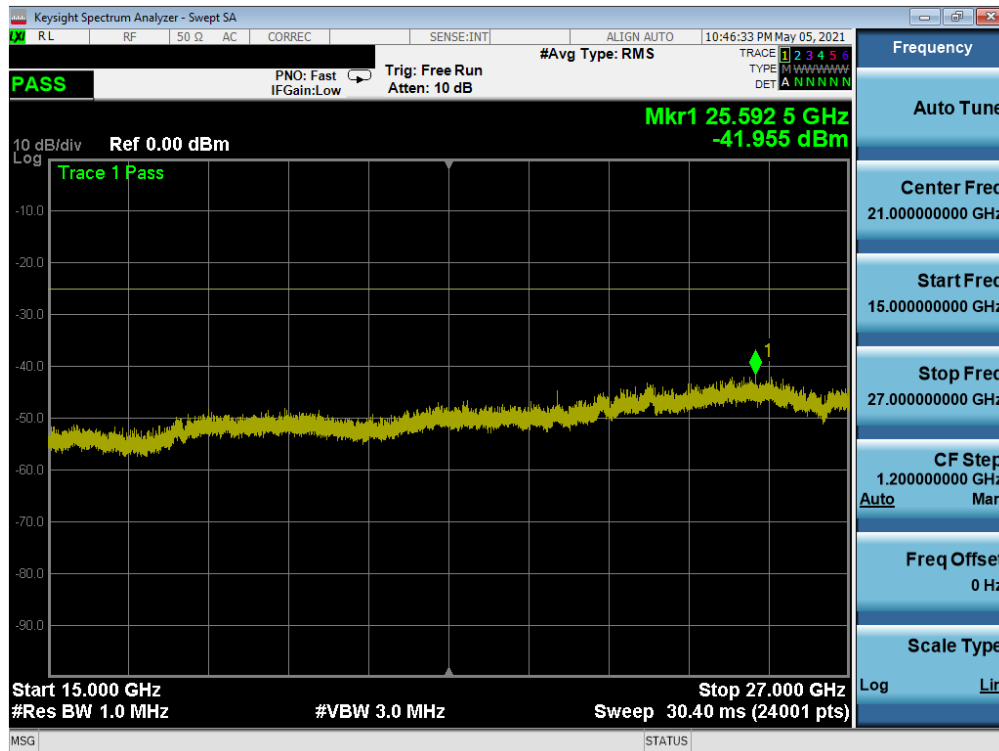


Plot 7-119. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 78 of 169

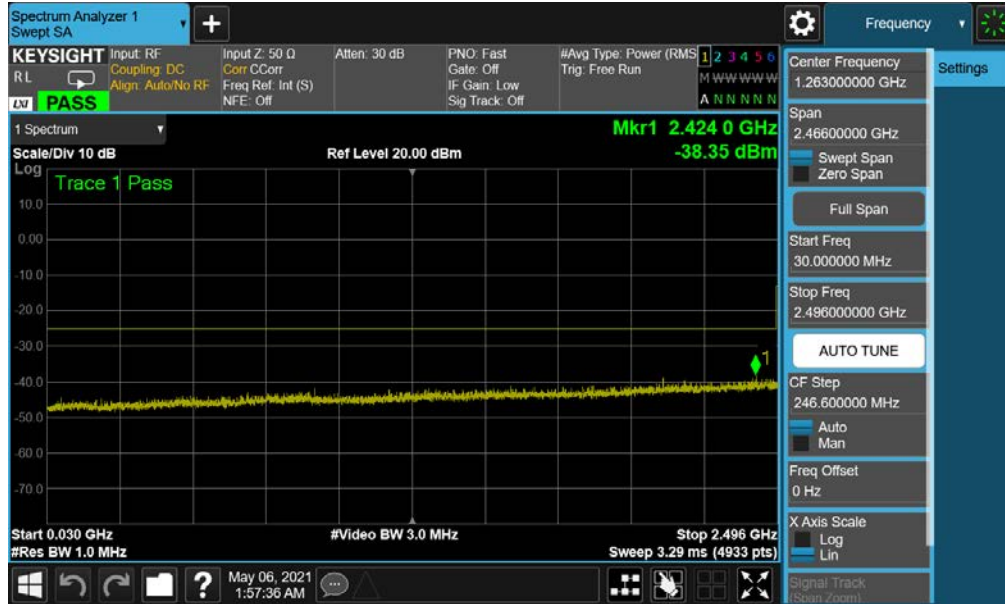


Plot 7-120. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

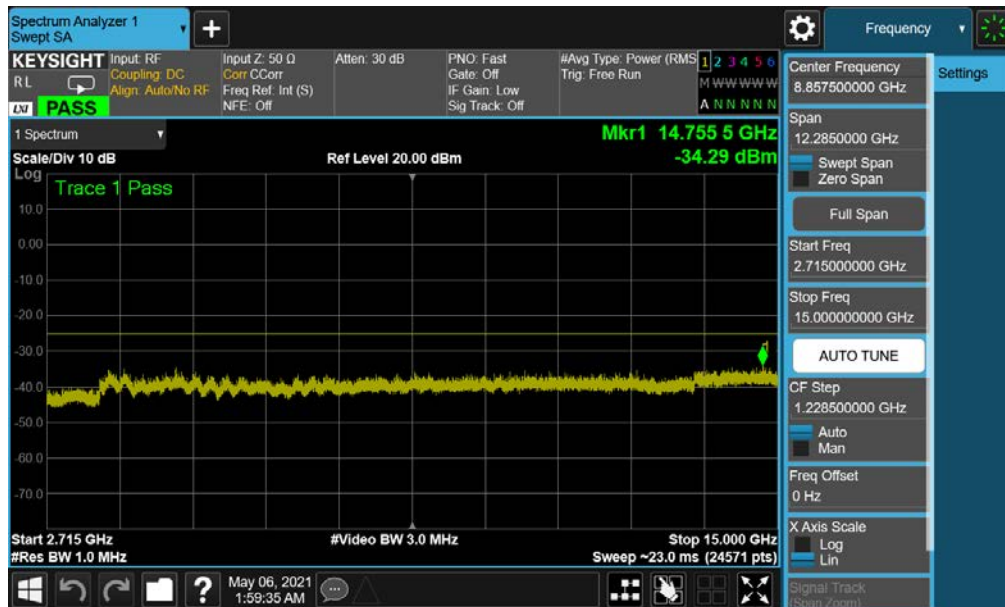


Plot 7-121. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 79 of 169

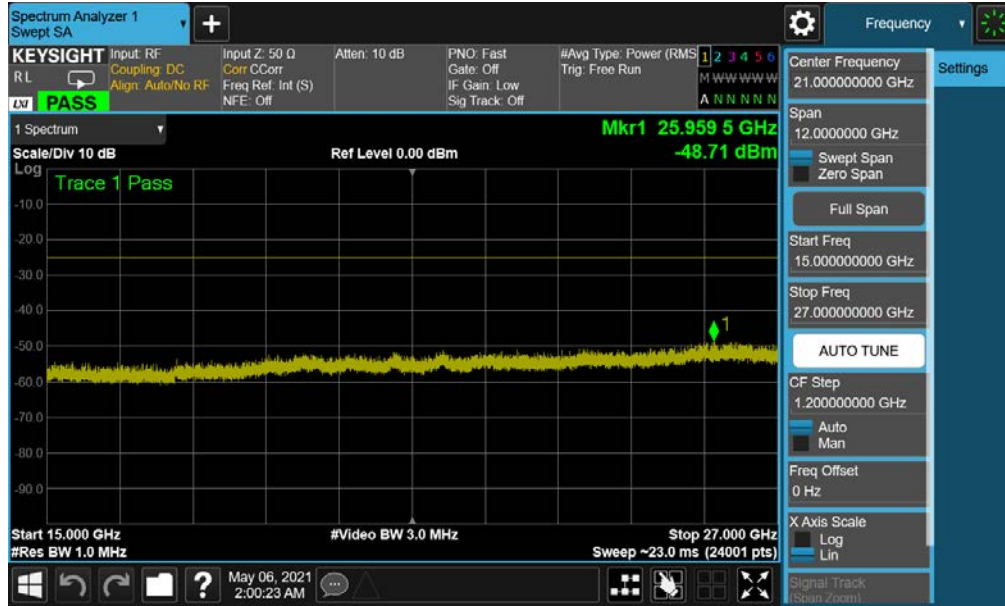


Plot 7-122. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-123. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

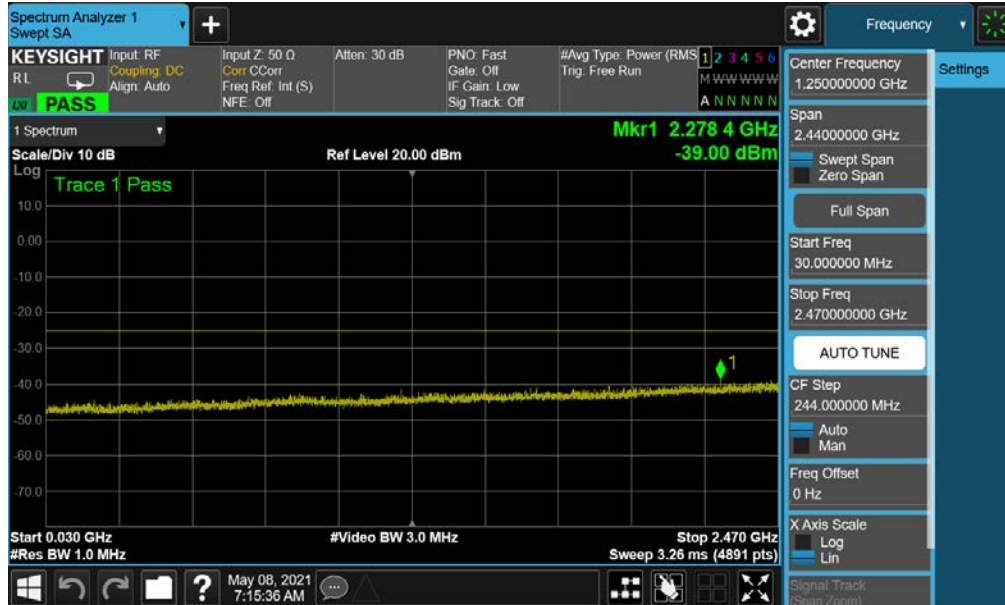
FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 80 of 169



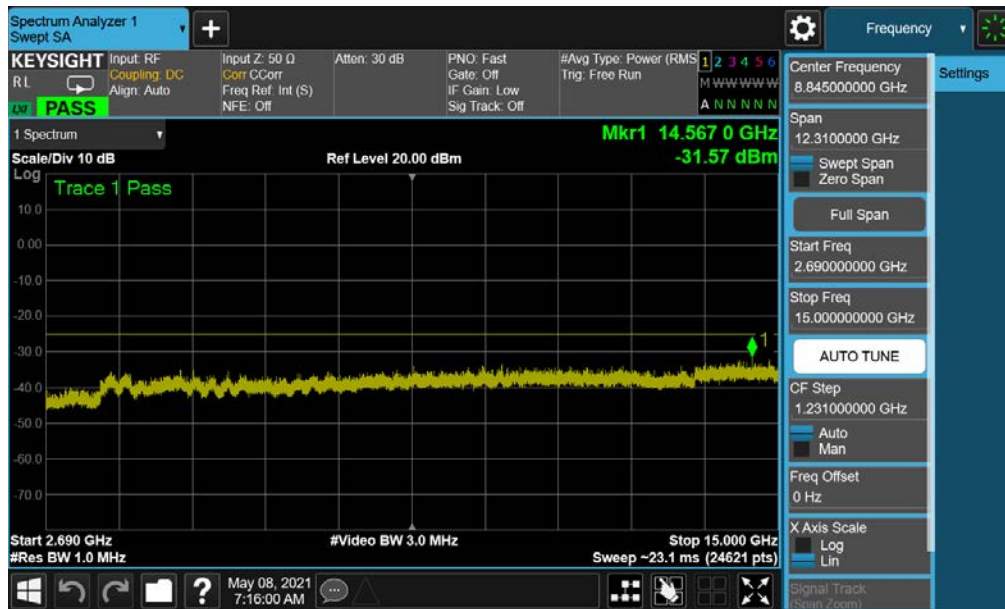
Plot 7-124. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 81 of 169

NR Band n41 (PC3)

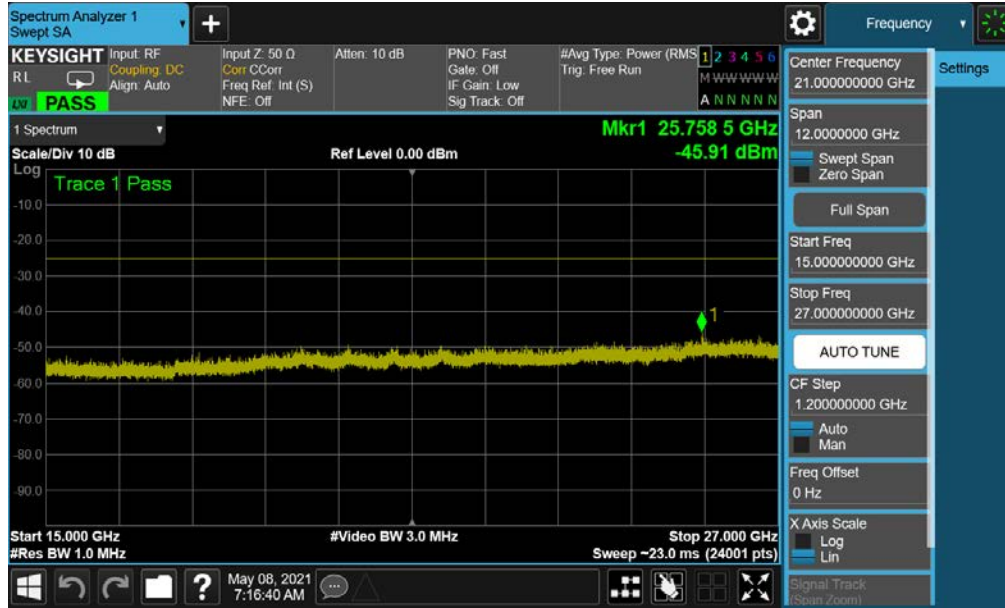


Plot 7-125. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

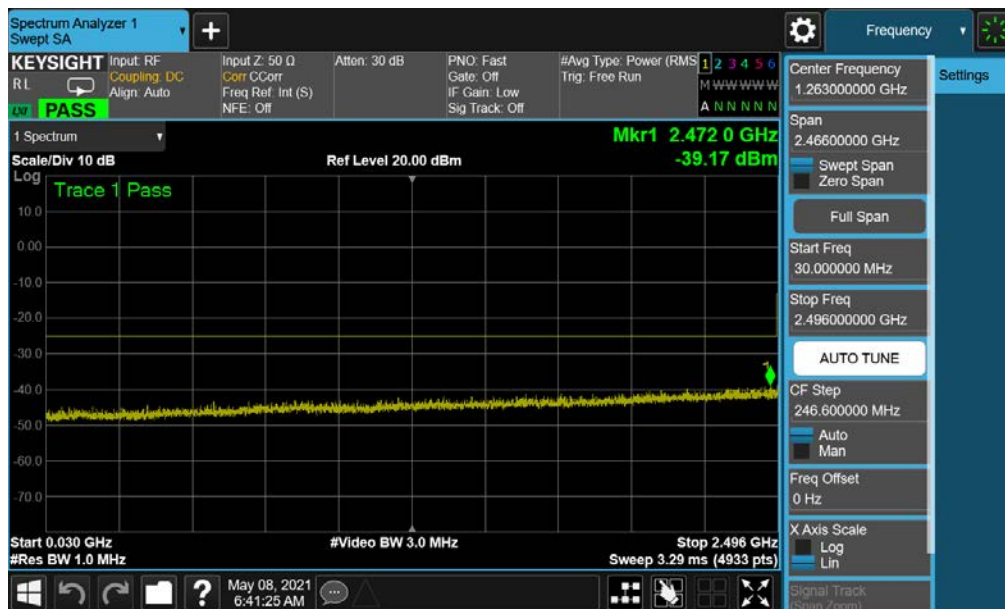


Plot 7-126. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMF711U1	PCTEST PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Plot 7-127. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

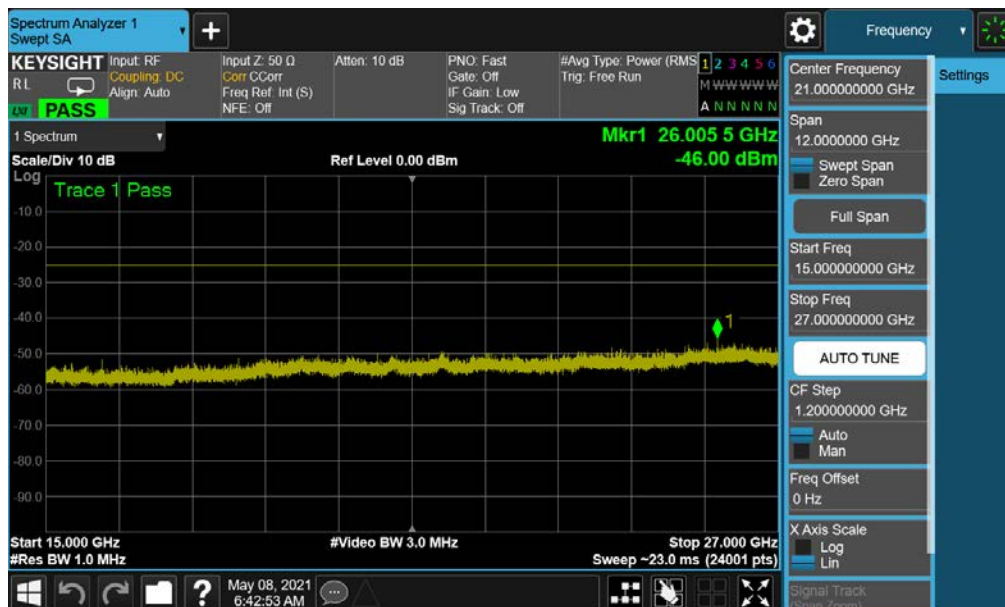


Plot 7-128. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 83 of 169

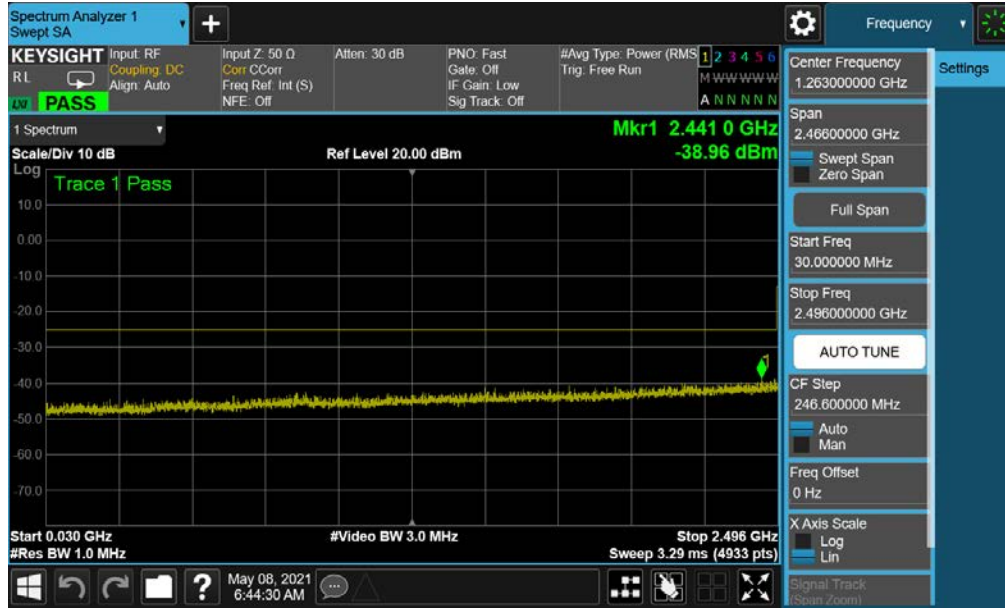


Plot 7-129. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

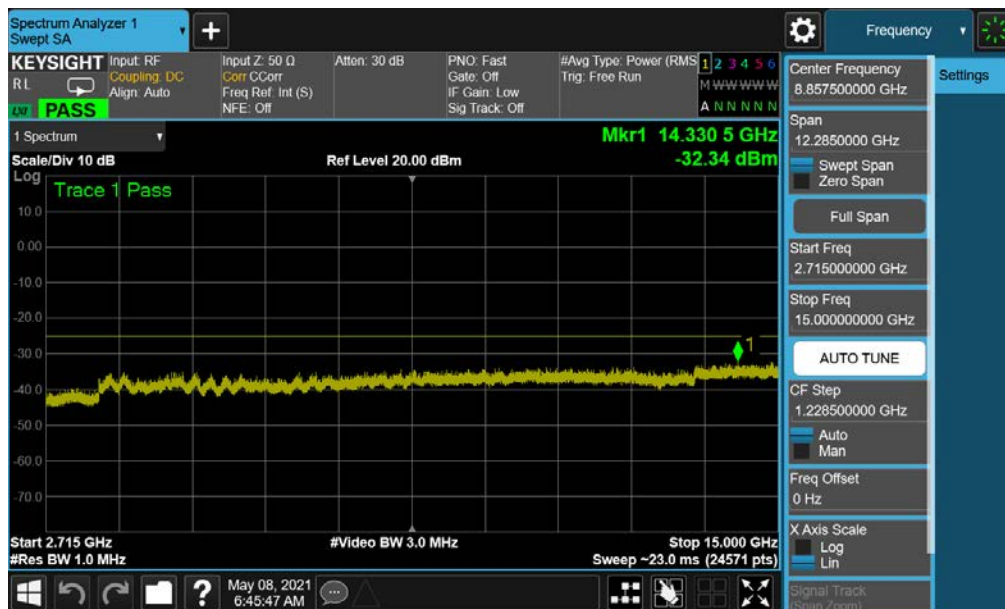


Plot 7-130. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 84 of 169

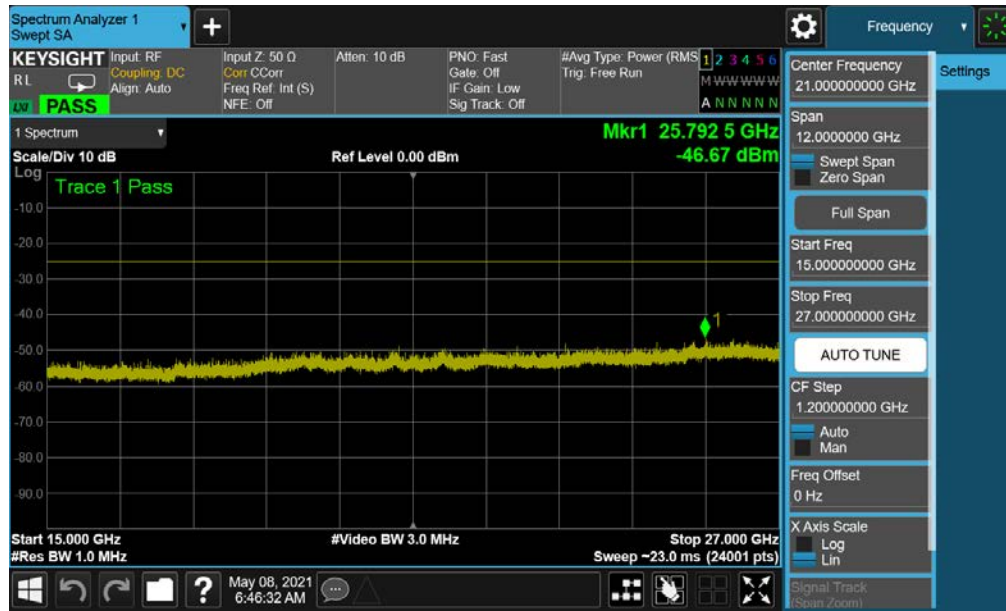


Plot 7-131. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-132. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 85 of 169



Plot 7-133. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 86 of 169

7.5 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 for Band 30 is $> 43 + 10 \log_{10} (P[\text{Watts}])$ at 2300-2305MHz & 2345-2360MHz, $> 55 + 10 \log_{10} (P[\text{Watts}])$ at 2320-2324MHz & 2341-2345MHz, $> 61 + 10 \log_{10} (P[\text{Watts}])$ at 2324-2328MHz & 2337-2341MHz, $> 67 + 10 \log_{10} (P[\text{Watts}])$ at 2288-2292MHz & 2328-2337MHz, and $> 70 + 10 \log_{10} (P[\text{Watts}])$ at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

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 $\geq 2 \times$ 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.

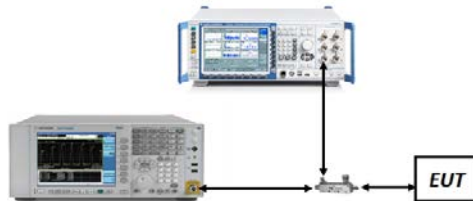


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Test Notes

1. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). 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 emissions are attenuated at least 26 dB below the transmitter power.
2. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.
3. 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.

FCC ID: A3LSMF711U1	 PART 27 MEASUREMENT REPORT 	Approved by: Technical Manager
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LTE Band 30



Plot 7-134. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

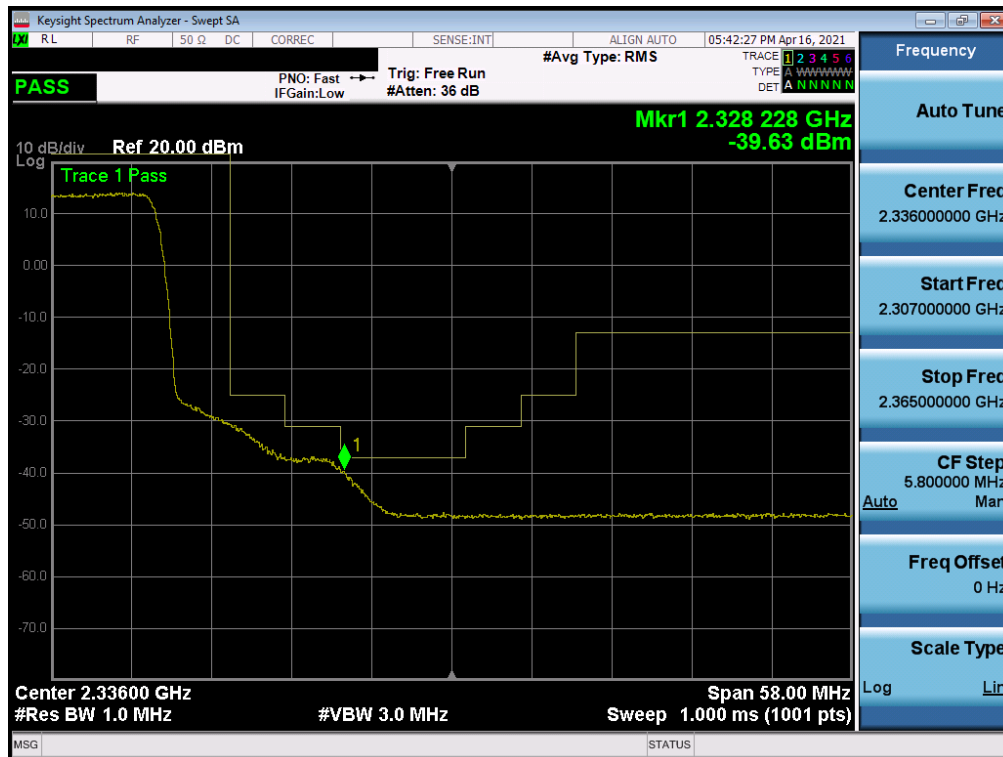


Plot 7-135. Extended Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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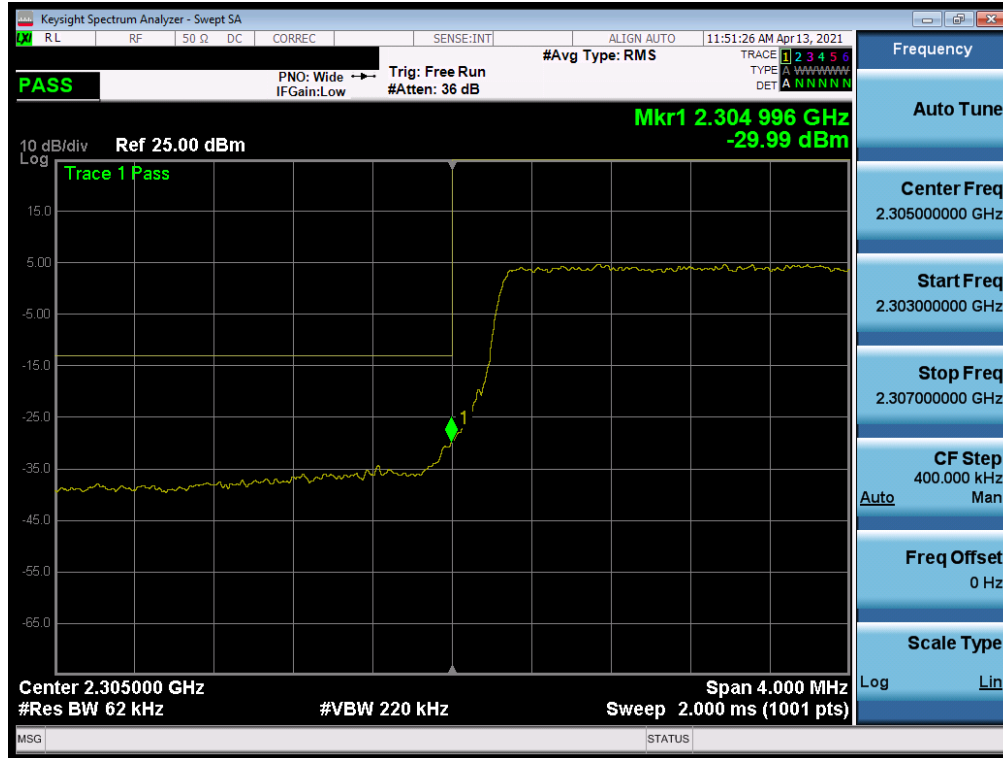


Plot 7-136. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)



Plot 7-137. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 90 of 169

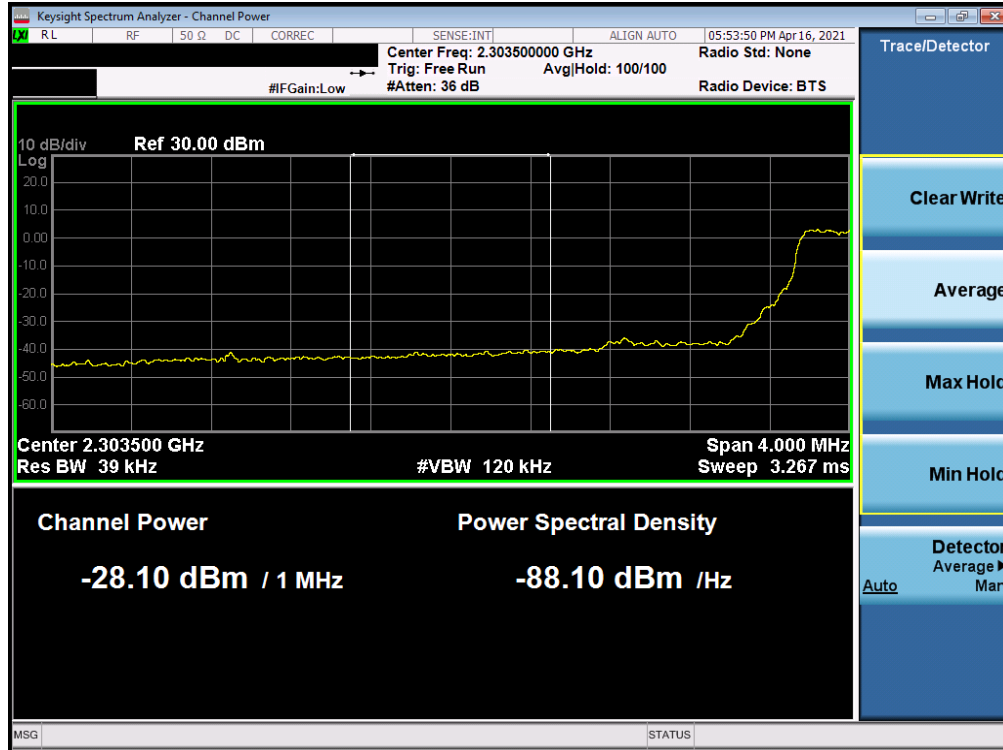


Plot 7-138. Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB)



Plot 7-139. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 91 of 169

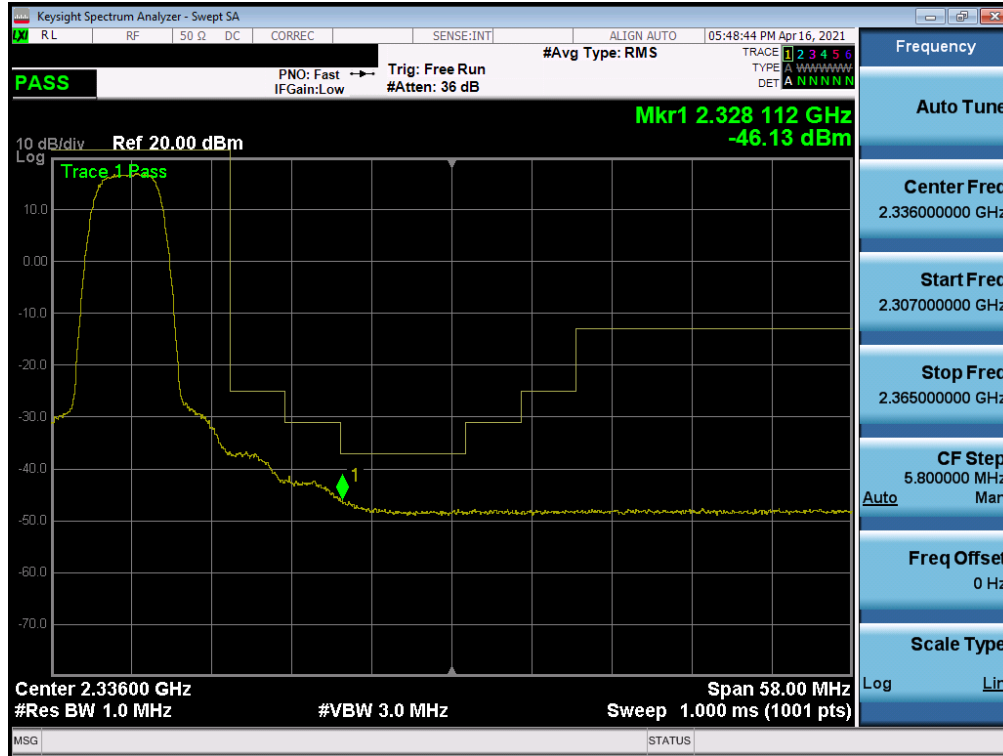


Plot 7-140. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB) – 2303-2304MHz



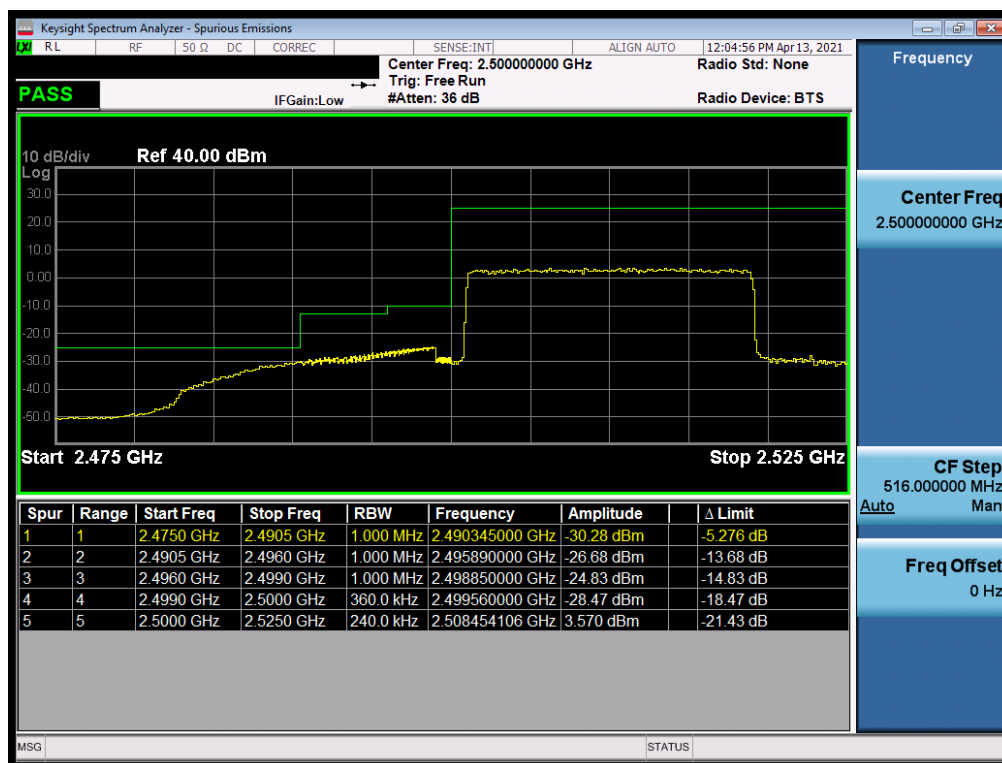
Plot 7-141. Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 92 of 169

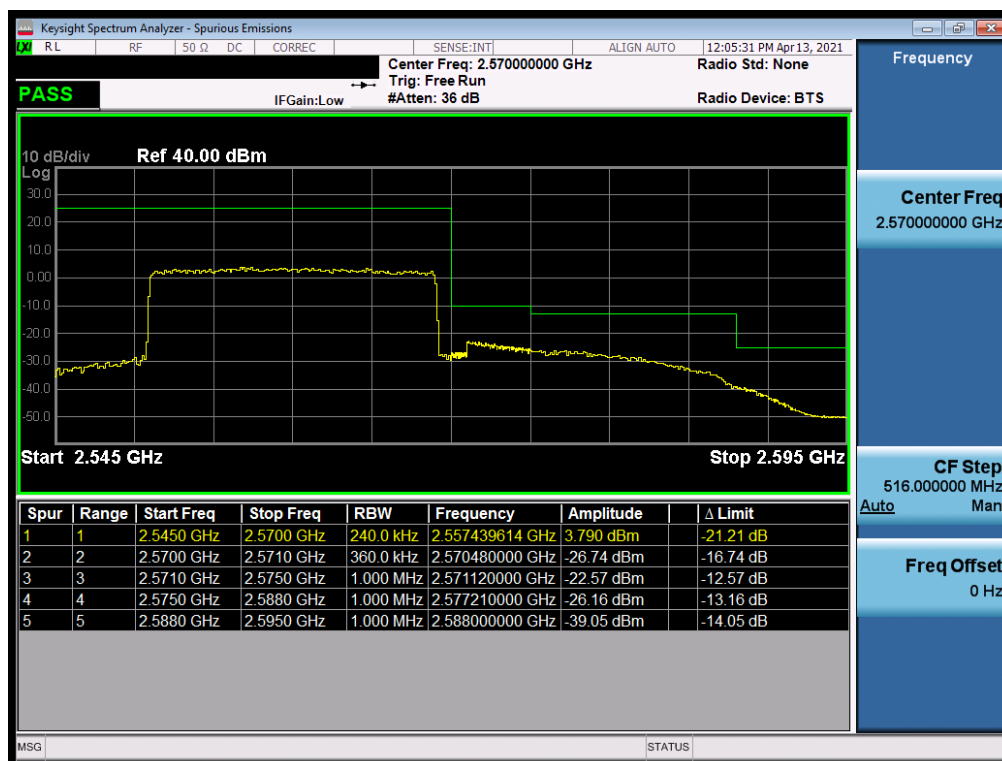


Plot 7-142. Extended Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 93 of 169

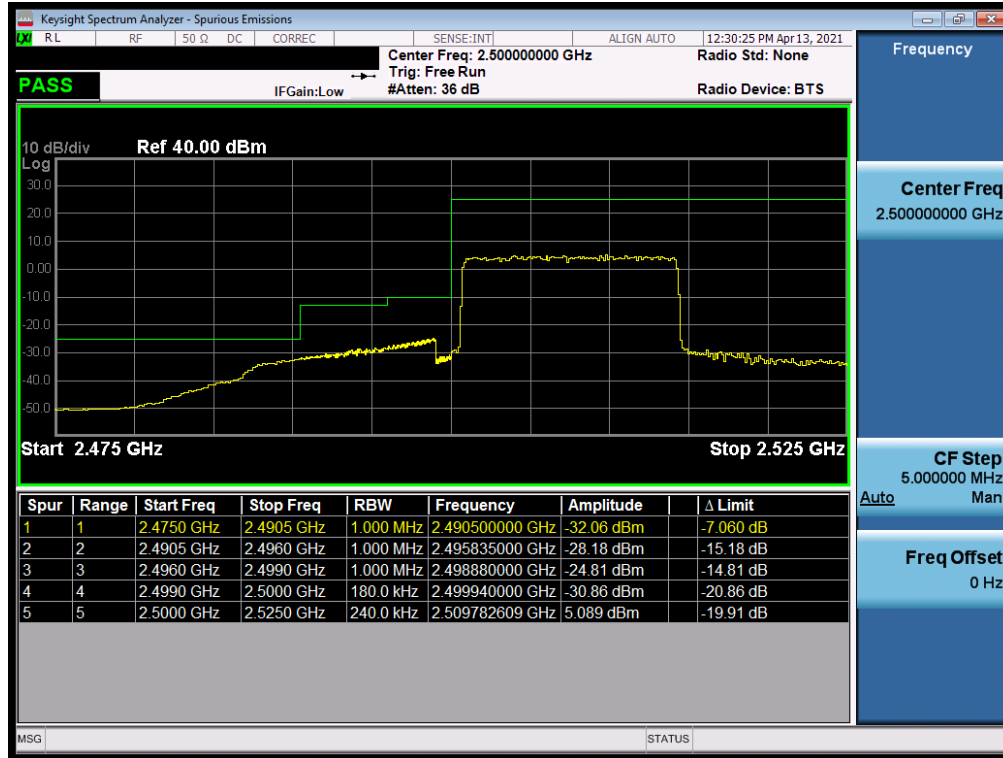


Plot 7-143. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

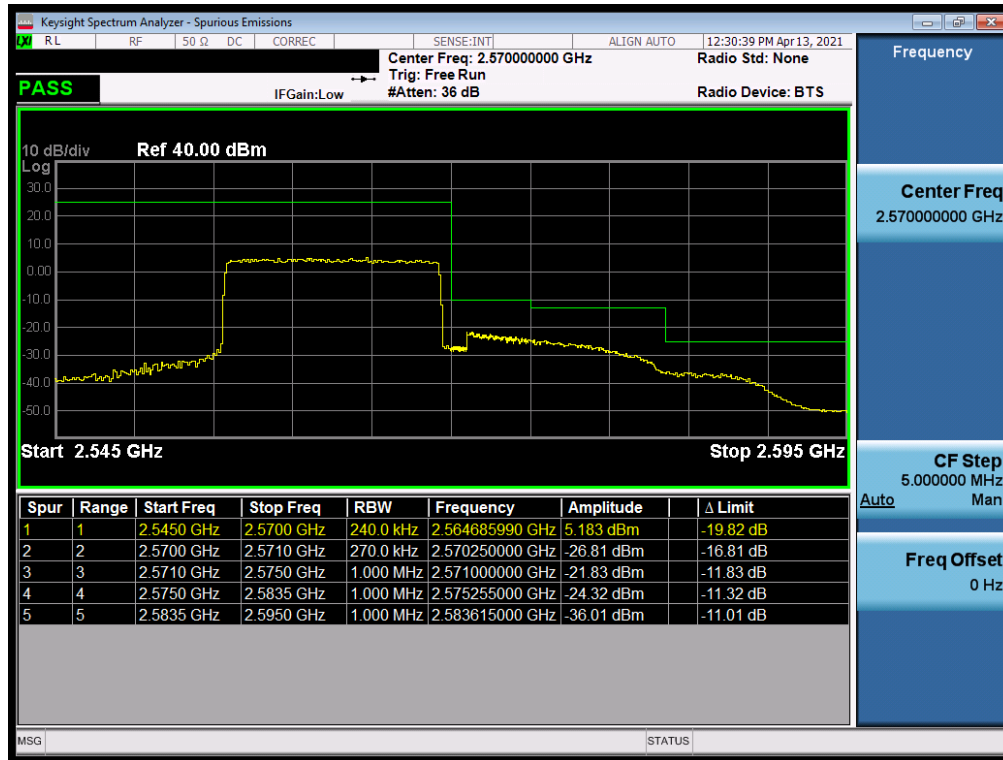


Plot 7-144. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 94 of 169

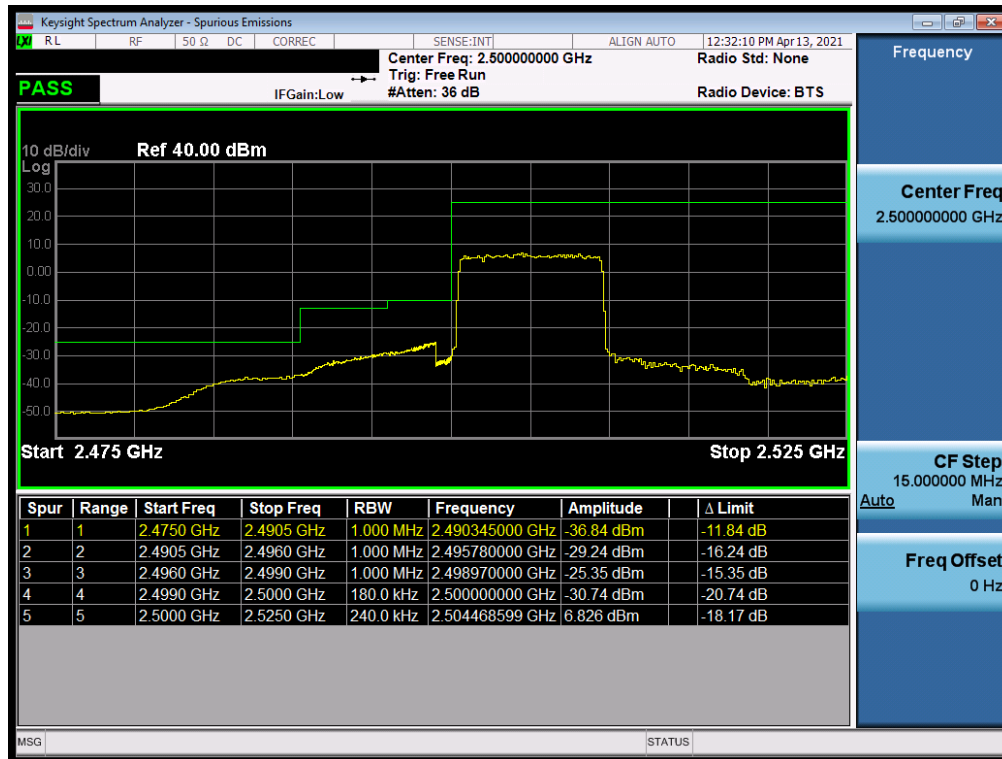


Plot 7-145. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

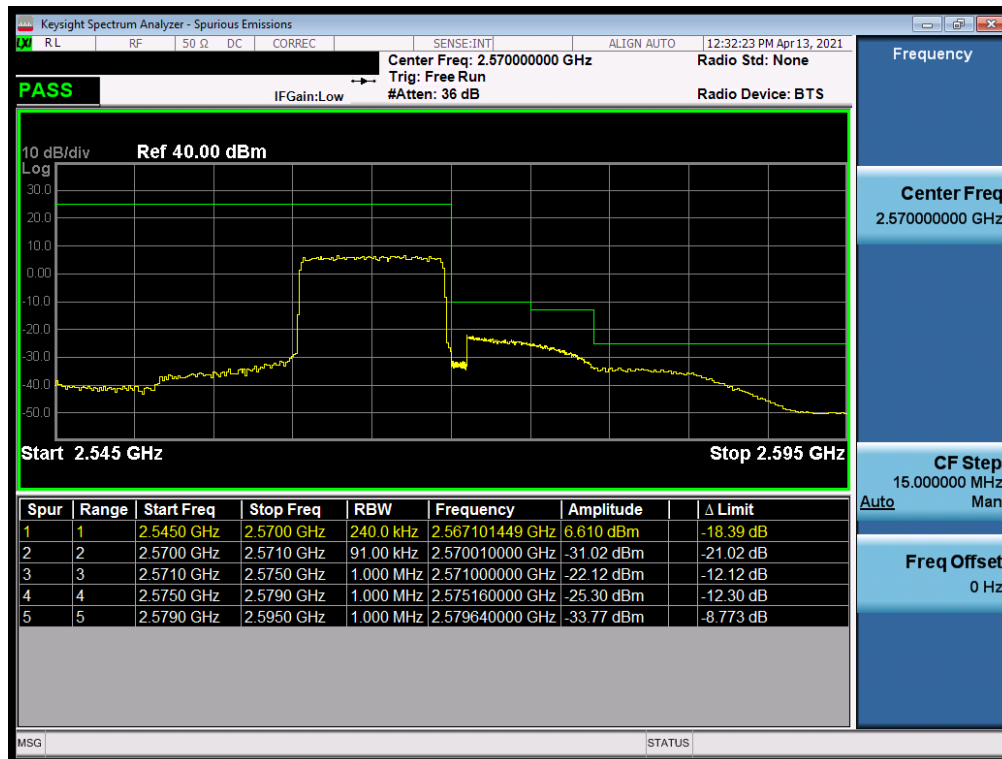


Plot 7-146. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 95 of 169

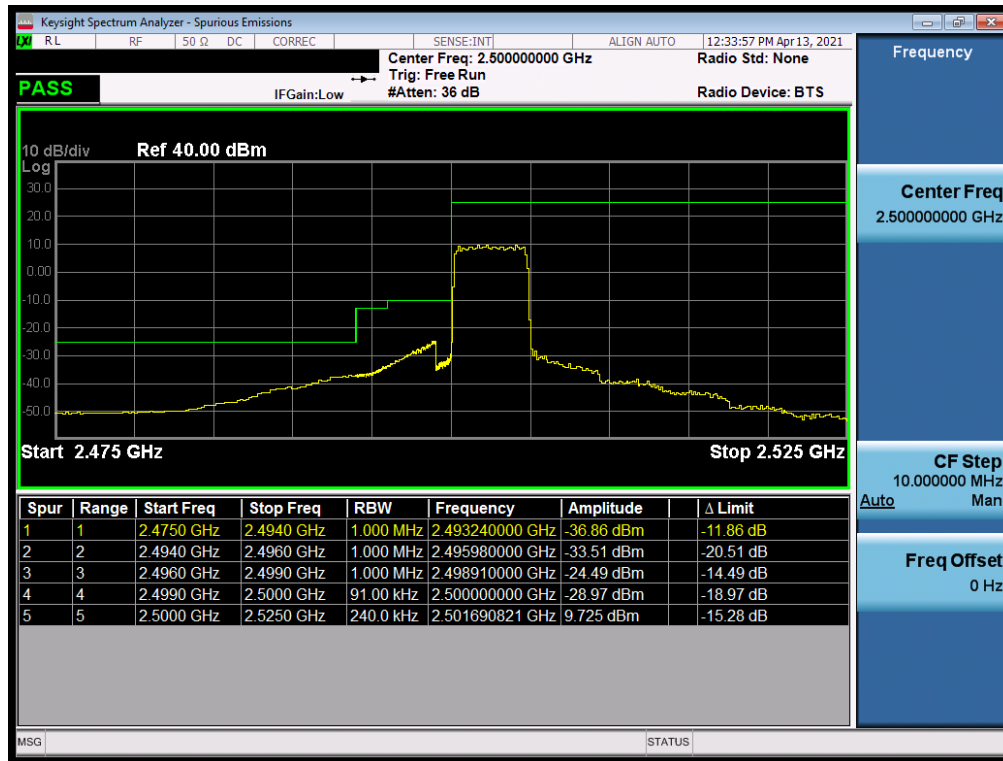


Plot 7-147. Lower ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

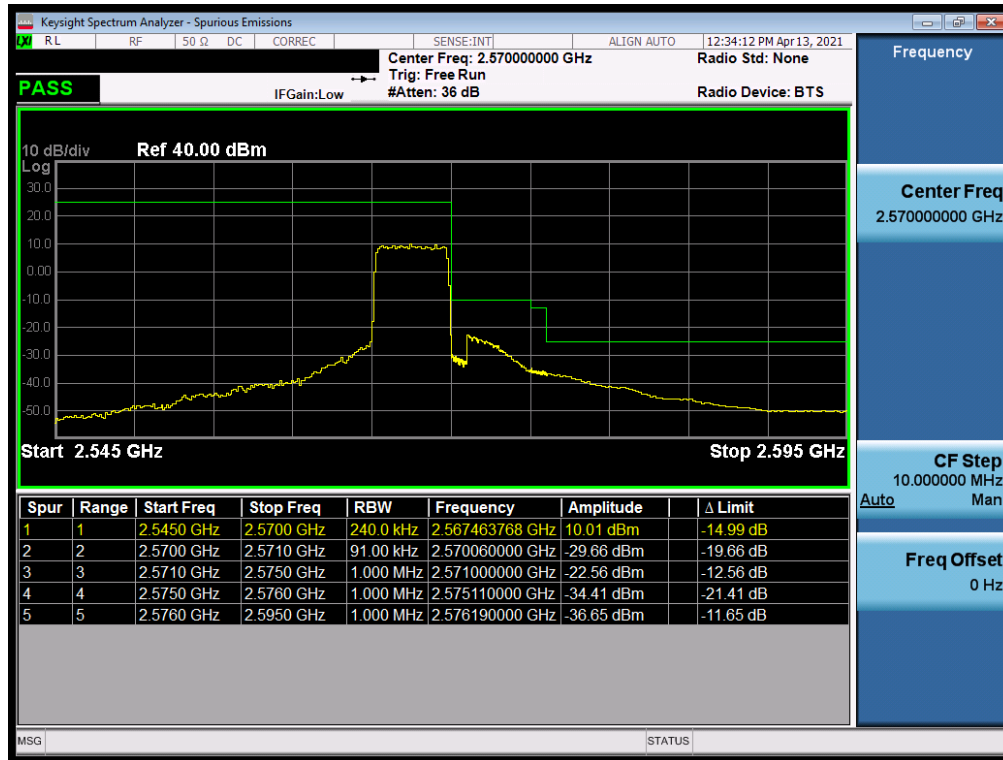


Plot 7-148. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 96 of 169



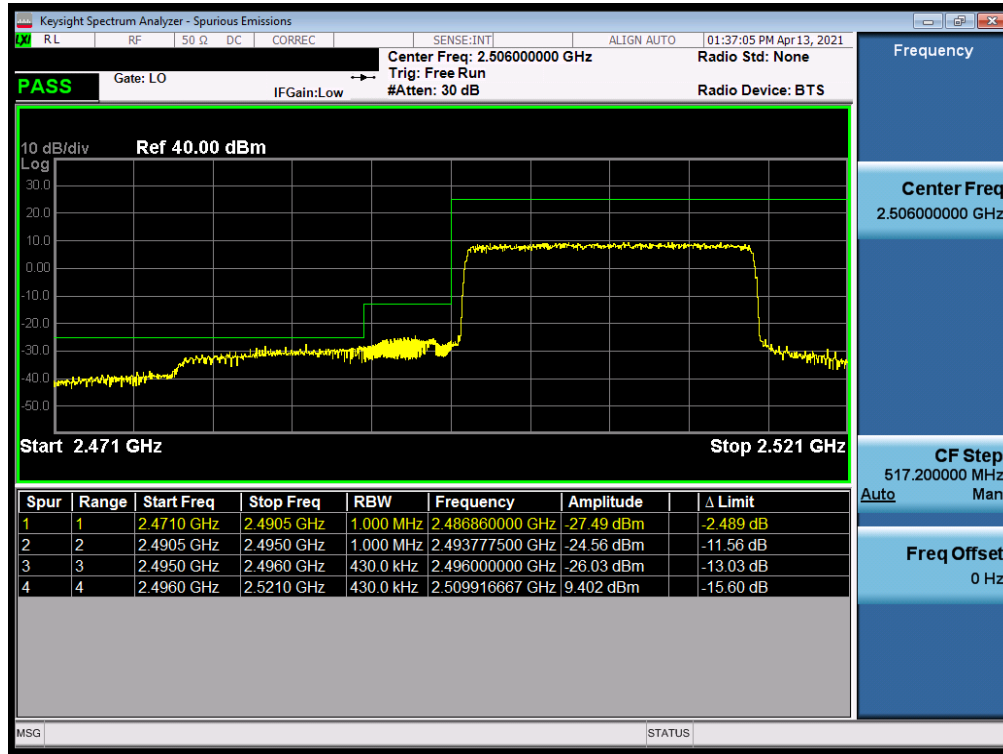
Plot 7-149. Lower ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)



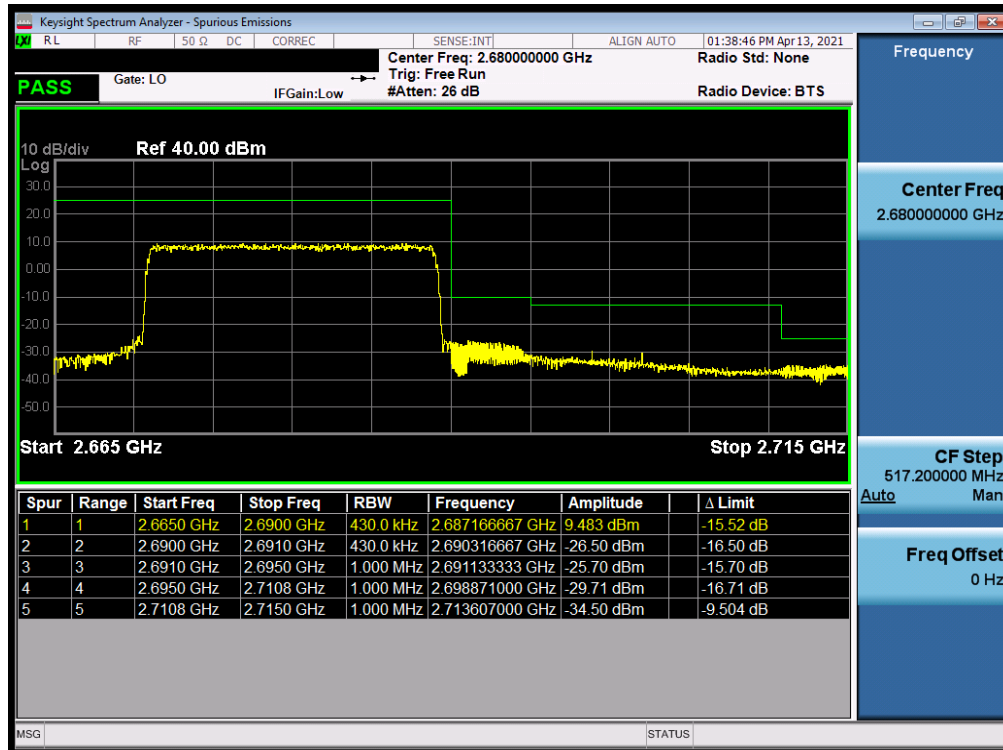
Plot 7-150. Upper ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 97 of 169

LTE Band 41(PC2)

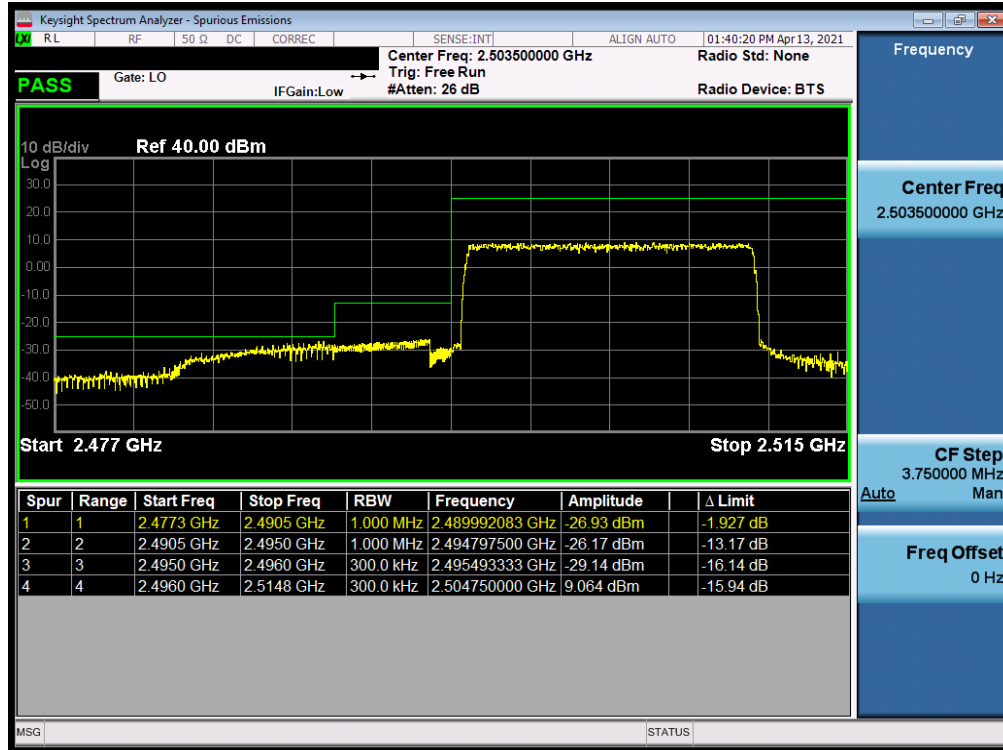


Plot 7-151. Lower ACP Plot (LTE Band 41(PC2) - 20MHz QPSK – Full RB)

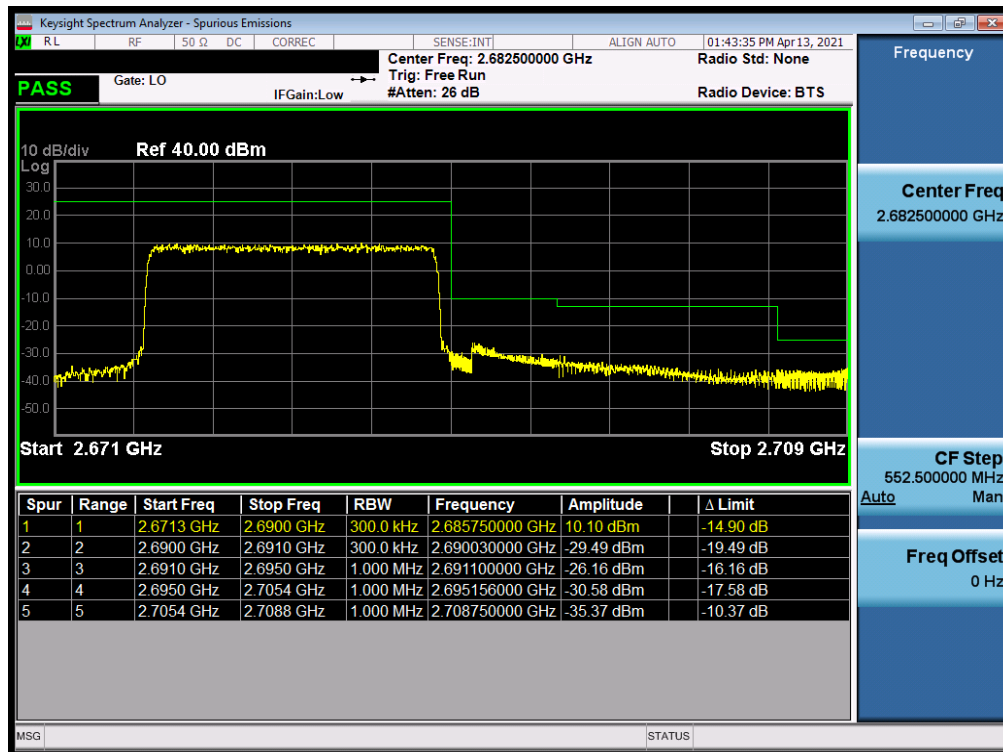


Plot 7-152. Upper ACP Plot (LTE Band 41(PC2) - 20MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 98 of 169

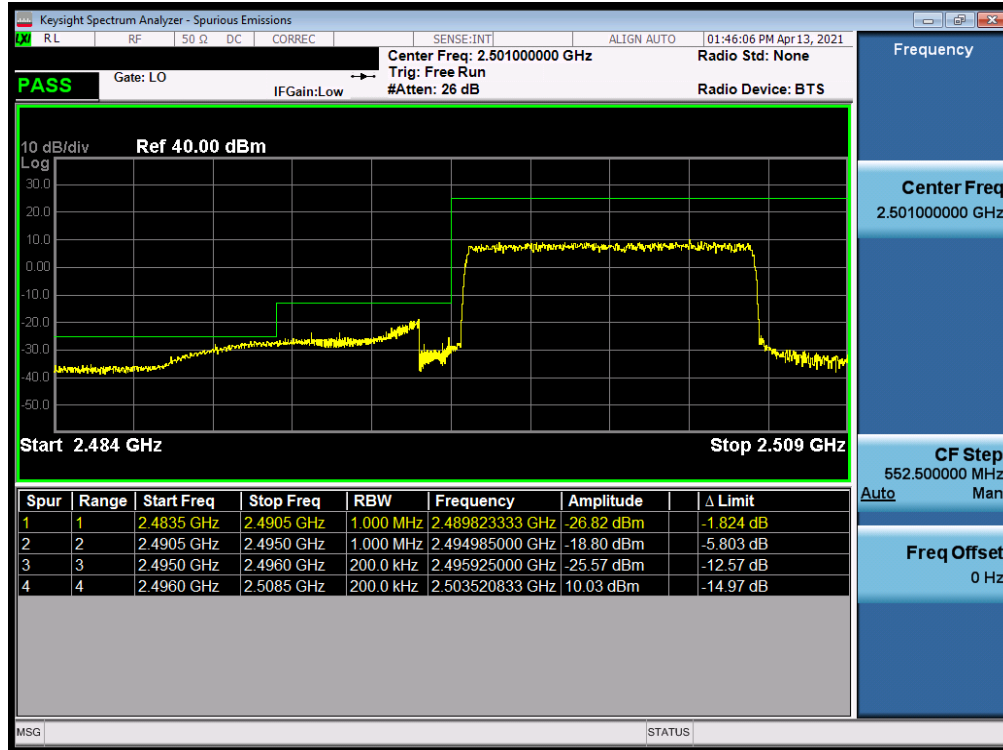


Plot 7-153. Lower ACP Plot (LTE Band 41(PC2) - 15MHz QPSK - Full RB)

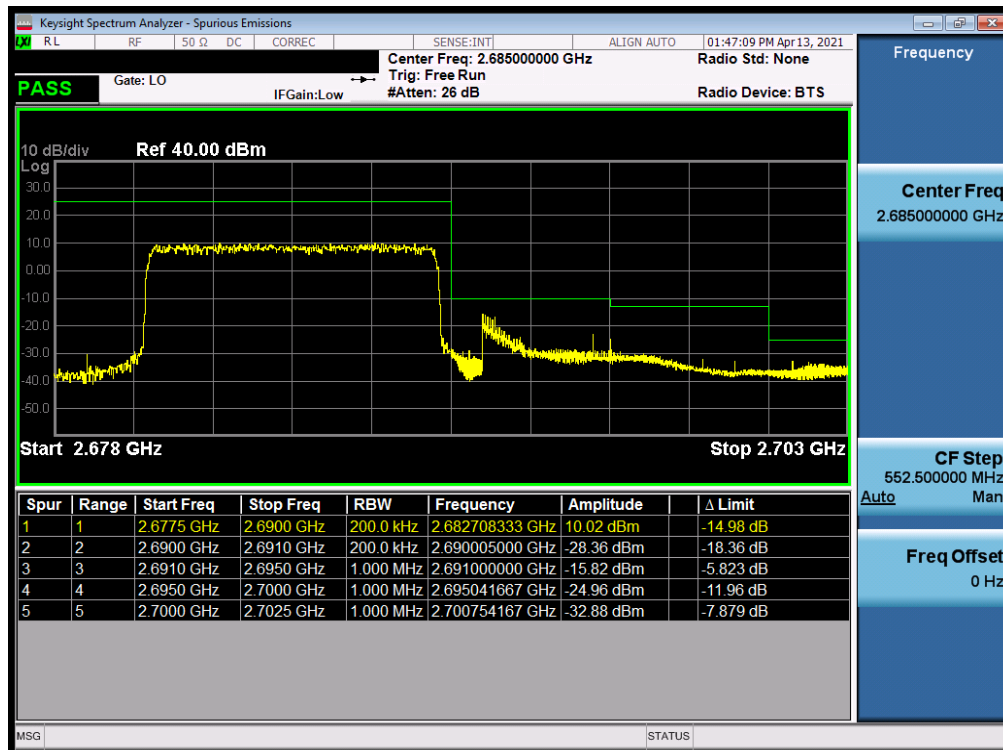


Plot 7-154. Upper ACP Plot (LTE Band 41(PC2) - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 99 of 169

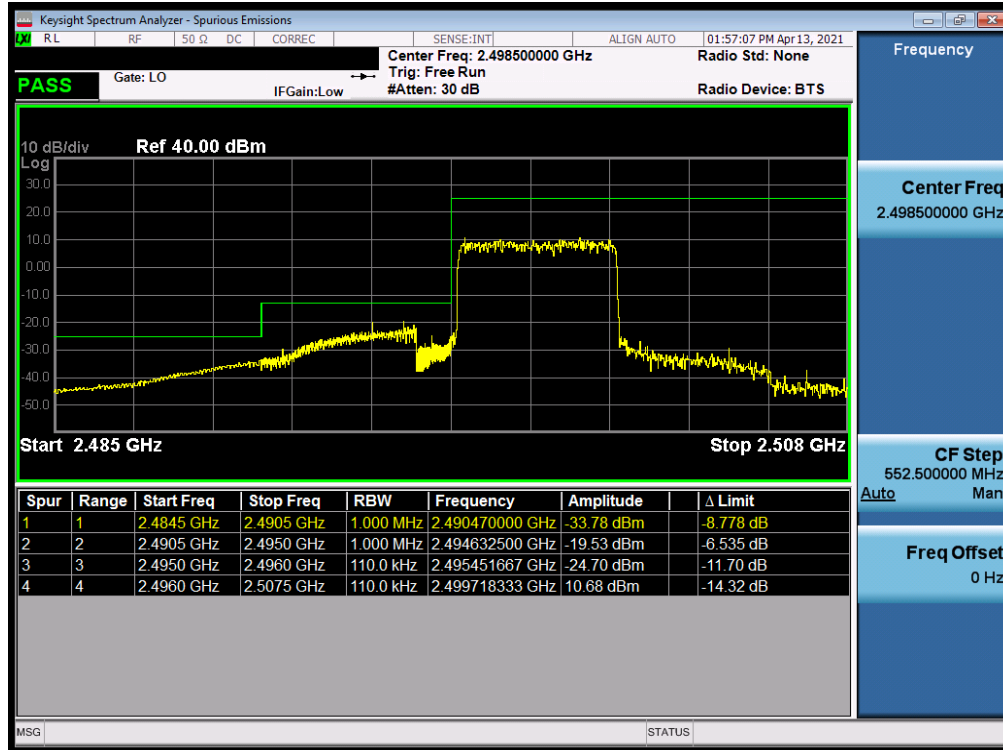


Plot 7-155. Lower ACP Plot (LTE Band 41(PC2) - 10MHz QPSK - Full RB)

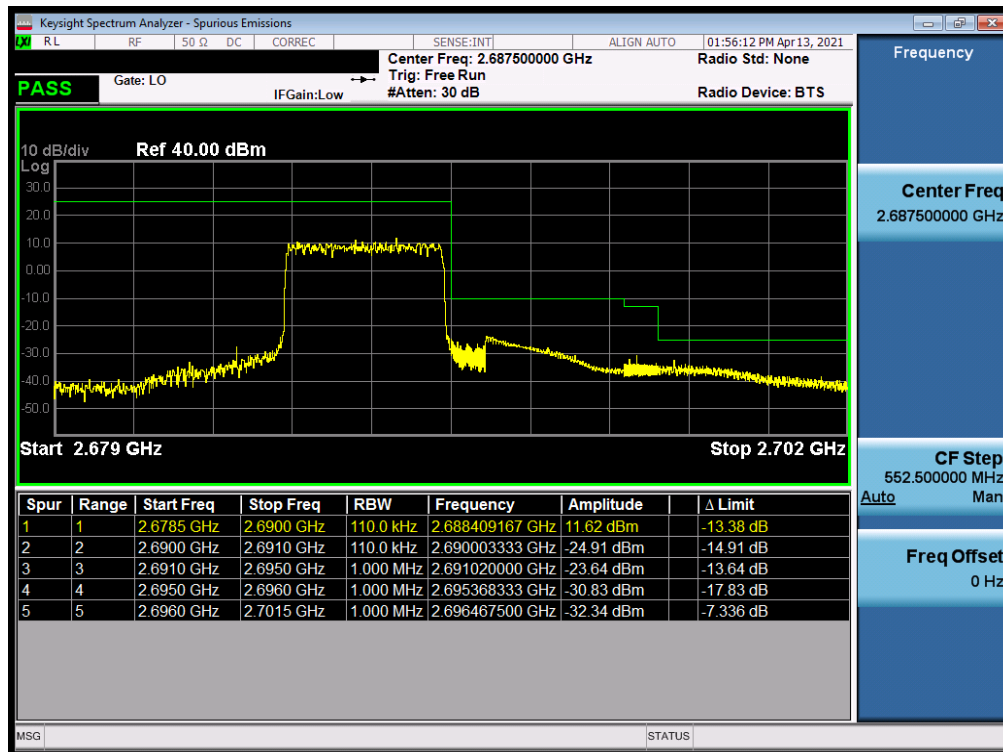


Plot 7-156. Upper ACP Plot (LTE Band 41(PC2) - 10MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 100 of 169



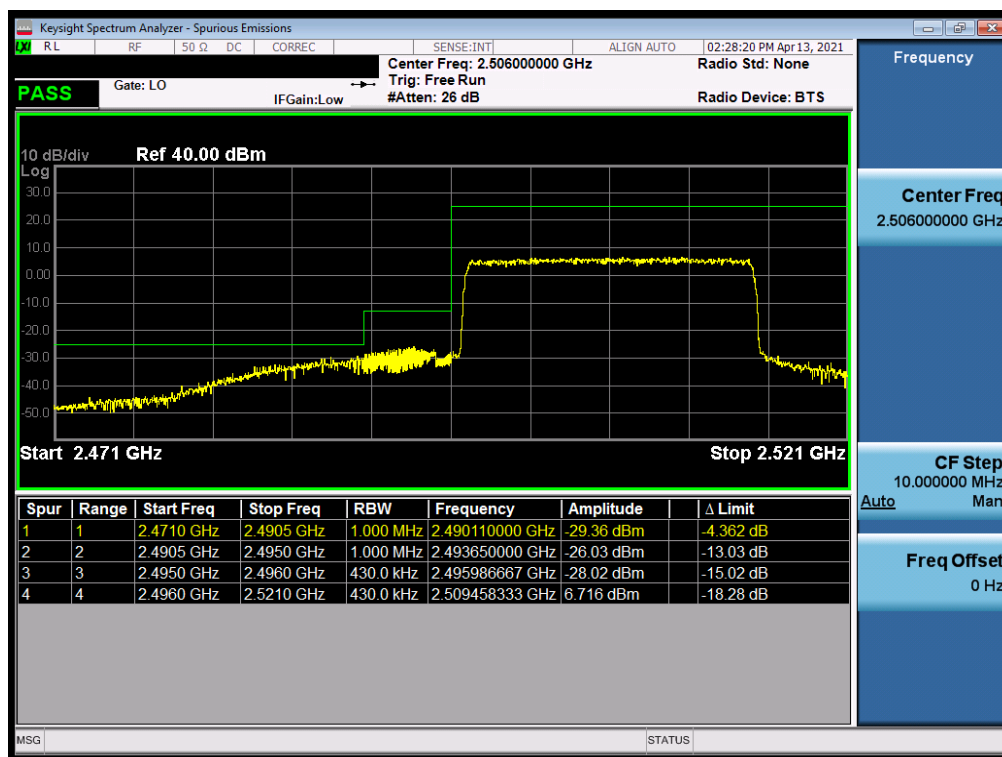
Plot 7-157. Lower ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB)



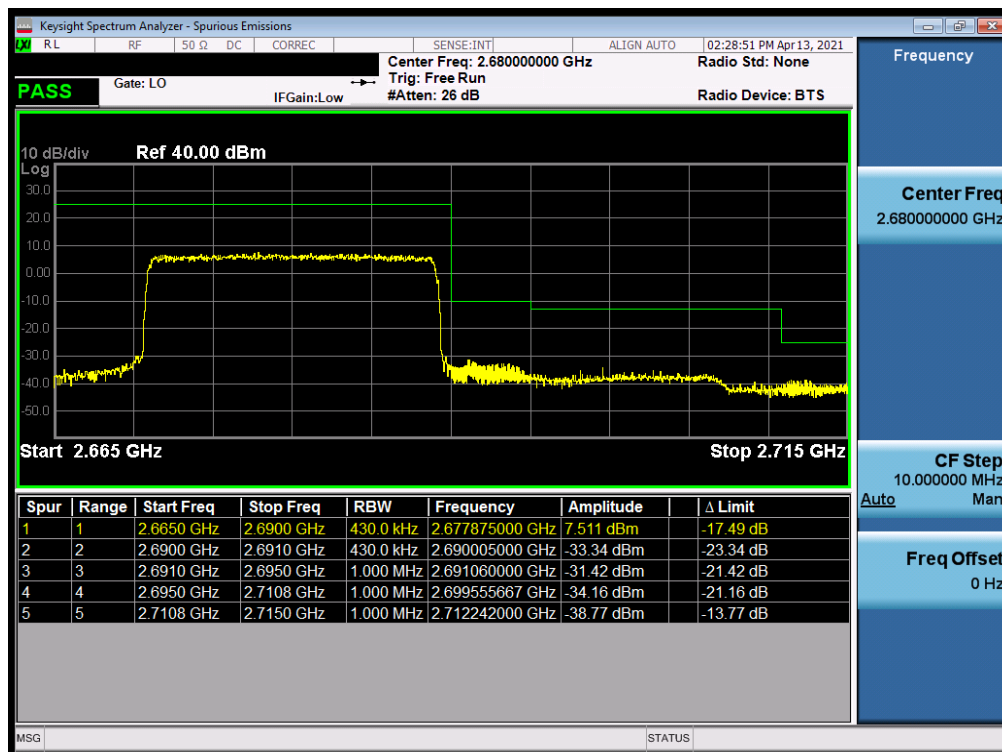
Plot 7-158. Upper ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 101 of 169

LTE Band 41(PC3)

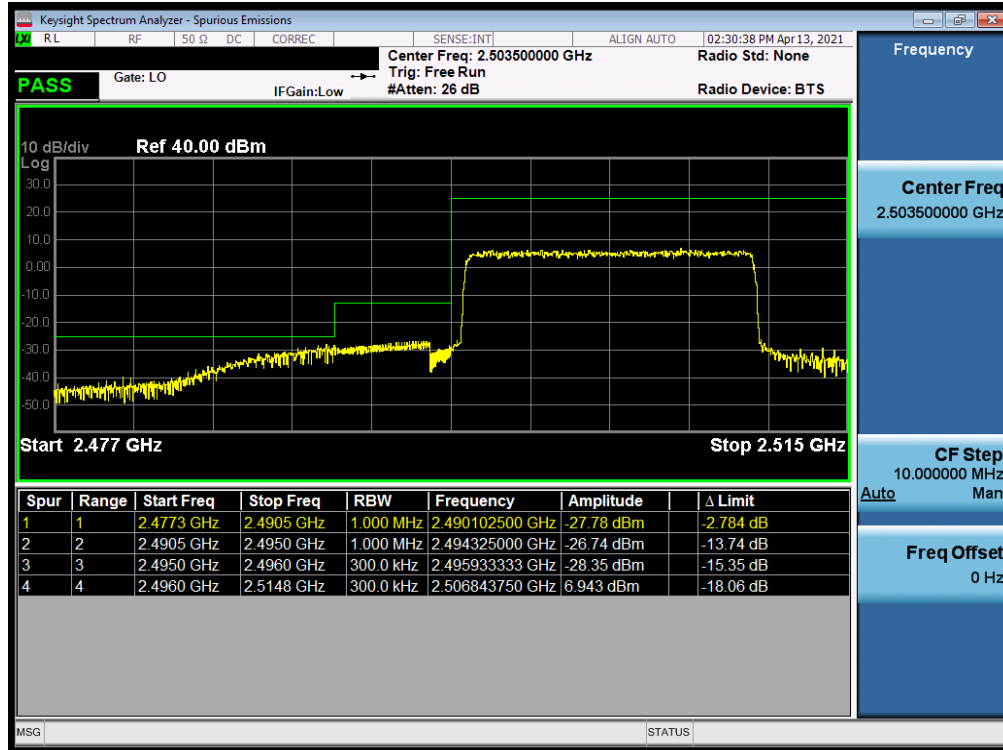


Plot 7-159. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK - Full RB)

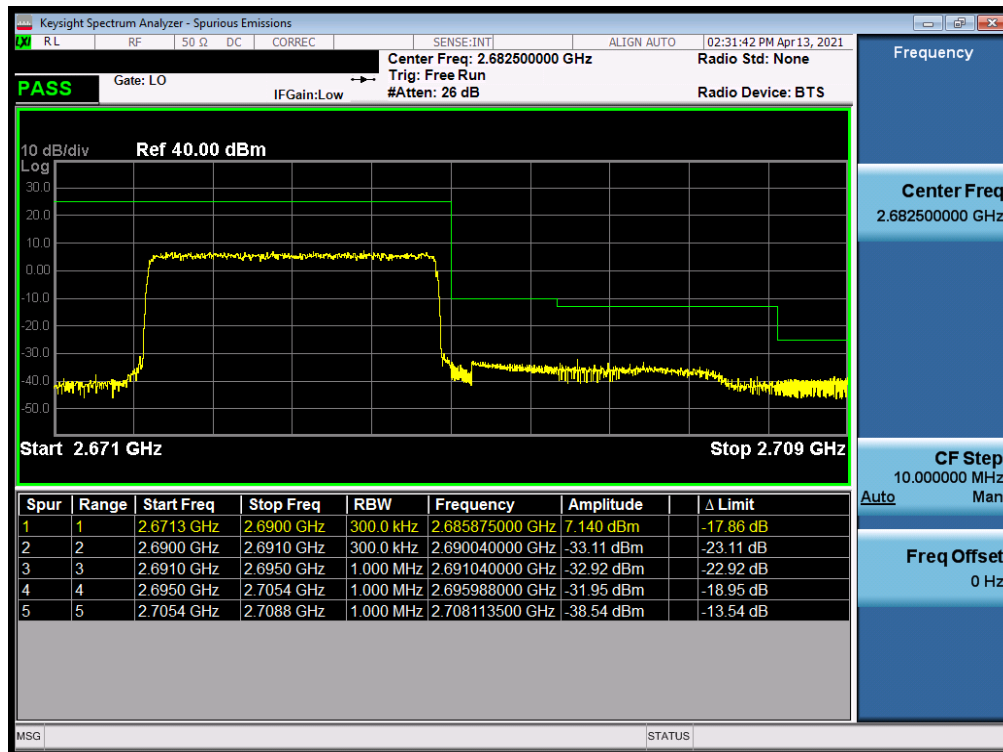


Plot 7-160. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 102 of 169

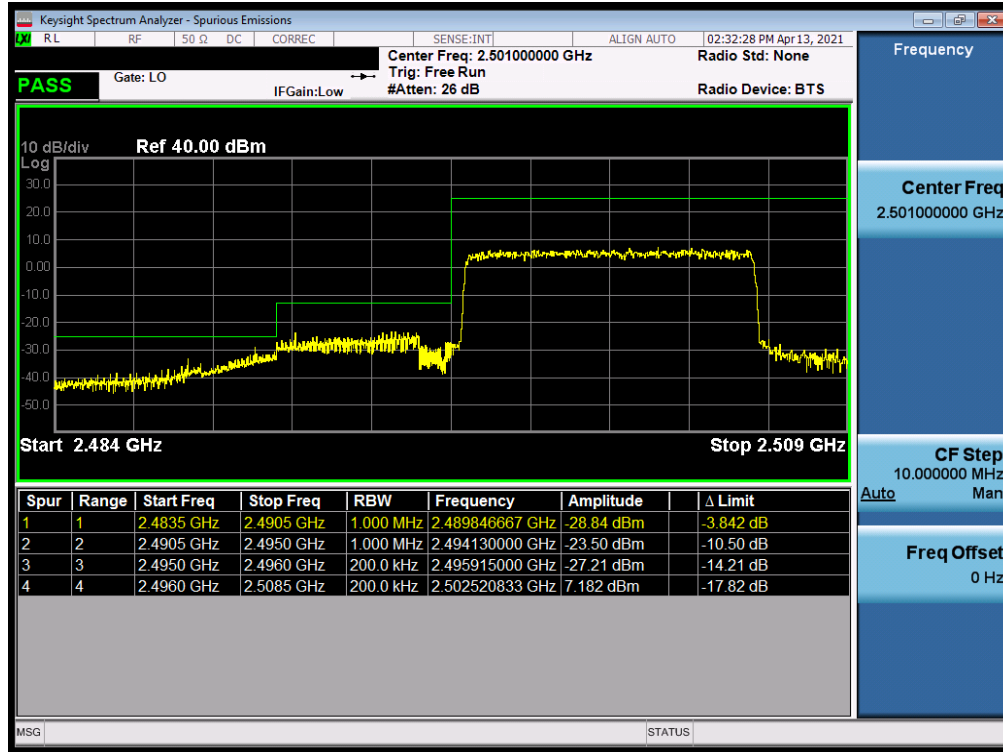


Plot 7-161. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK - Full RB)

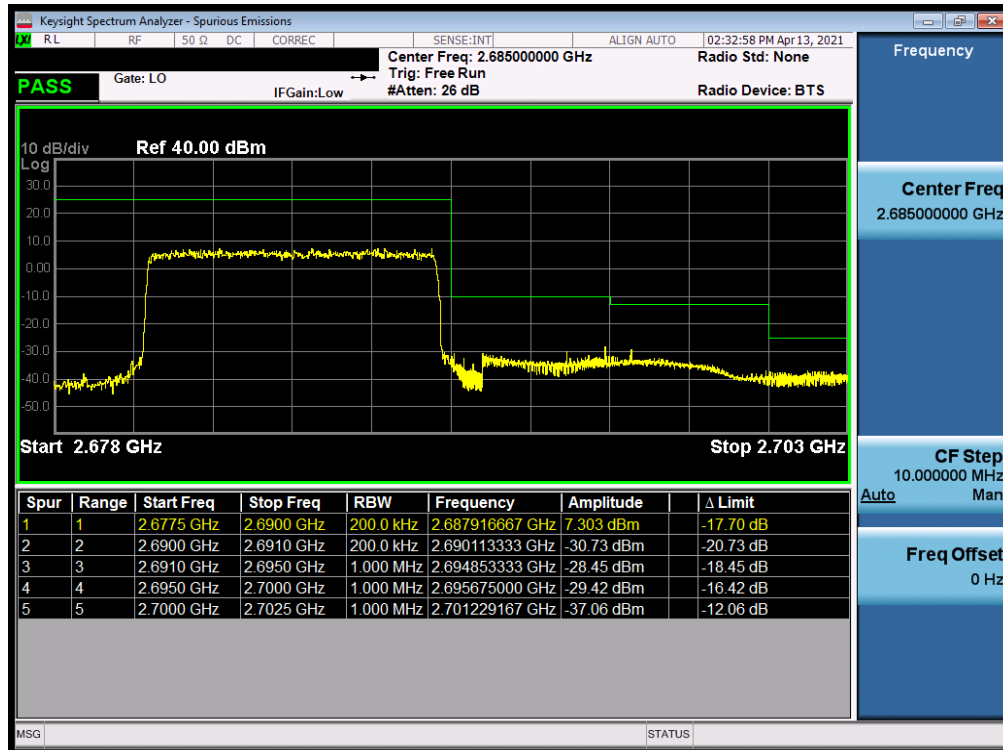


Plot 7-162. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 103 of 169

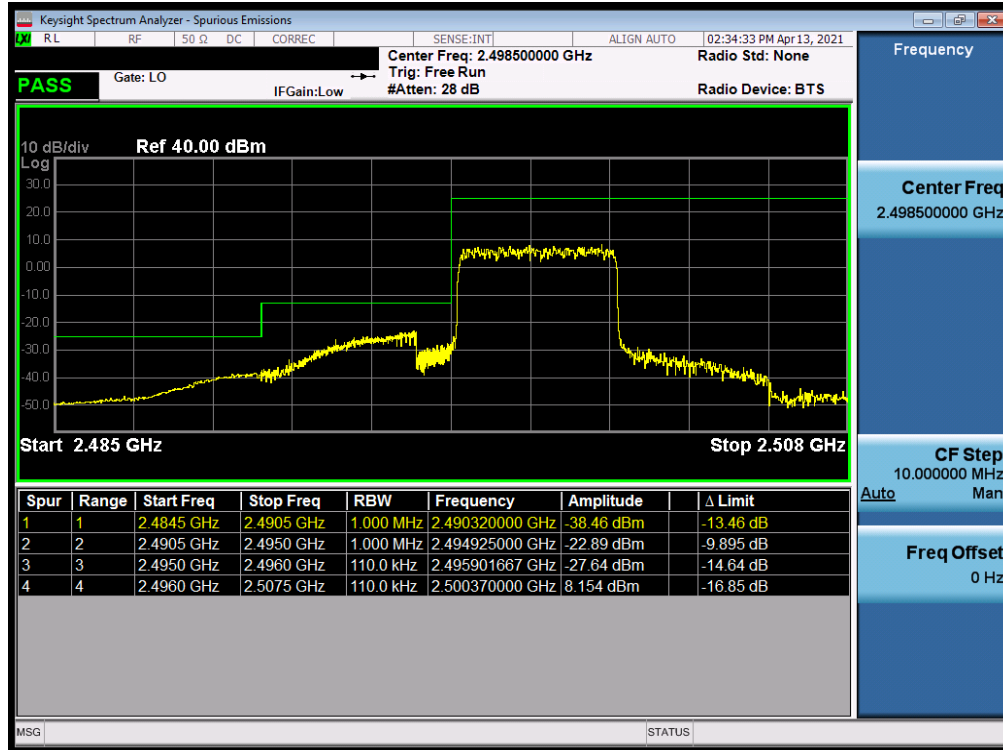


Plot 7-163. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK - Full RB)

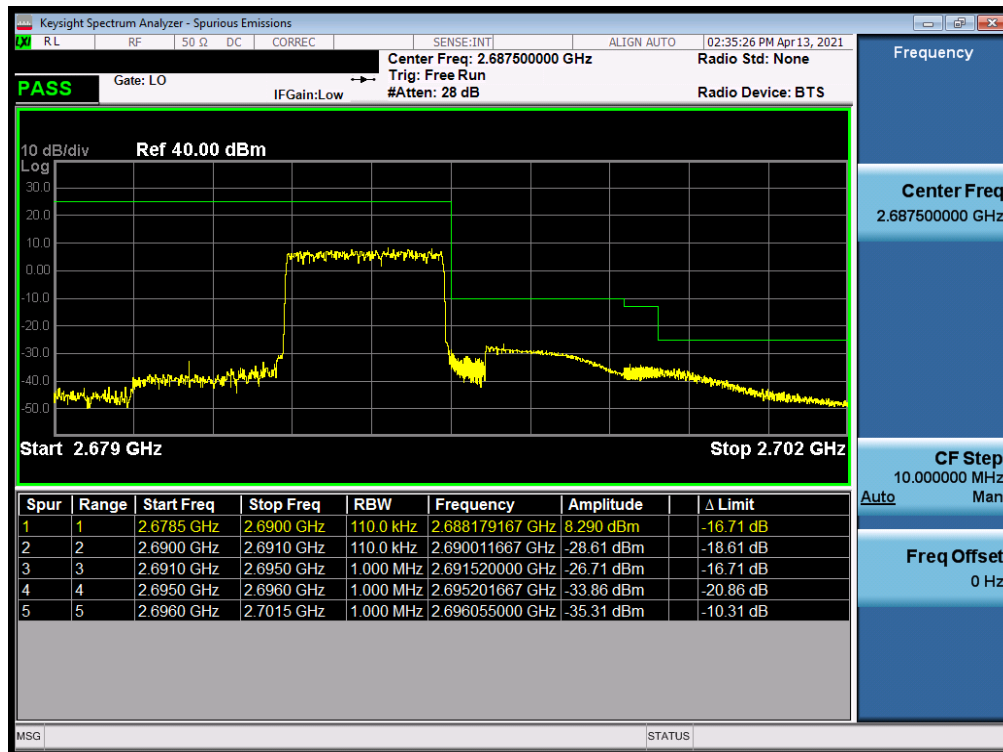


Plot 7-164. Upper ACP Plot (LTE Band 41(PC3) - 10MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 104 of 169

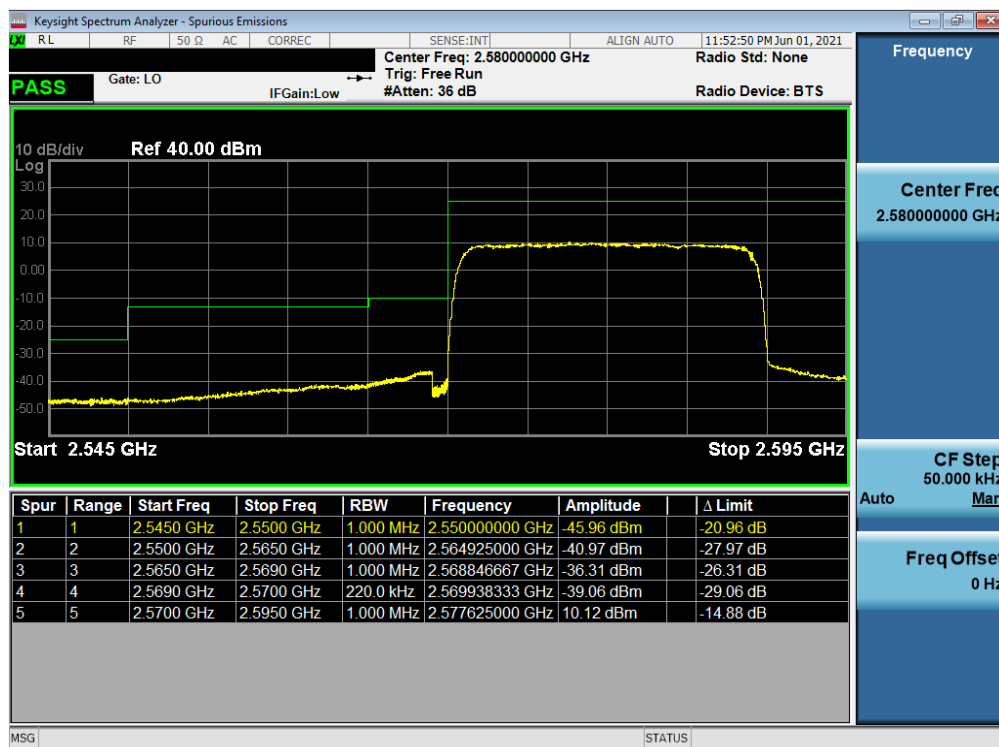


Plot 7-165. Lower ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB)

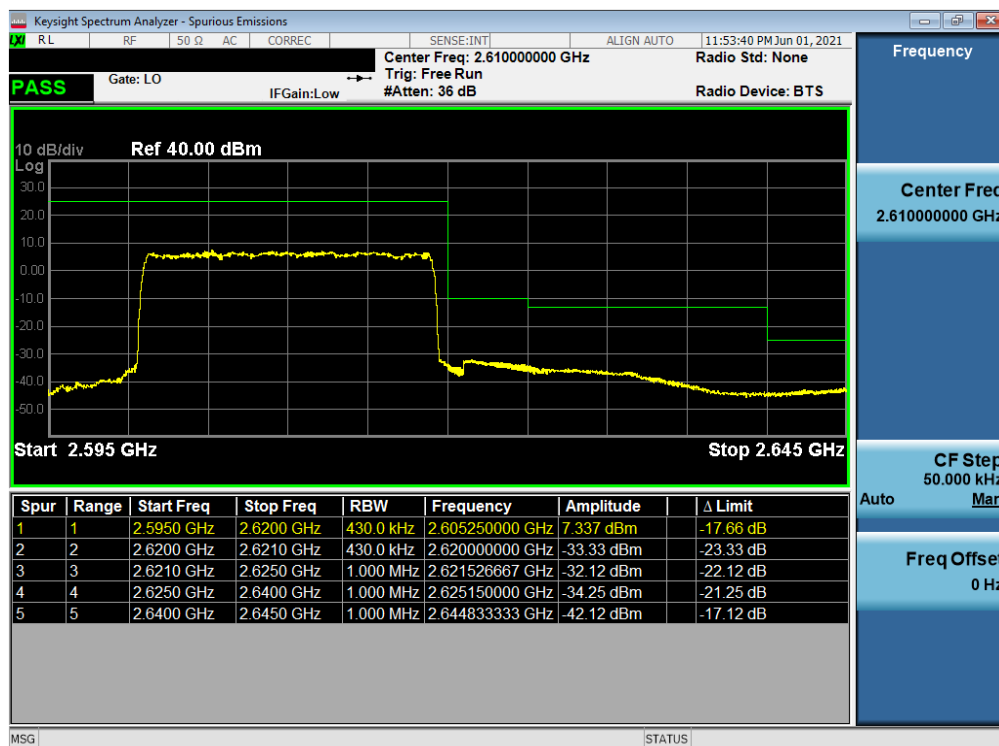


Plot 7-166. Upper ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 105 of 169

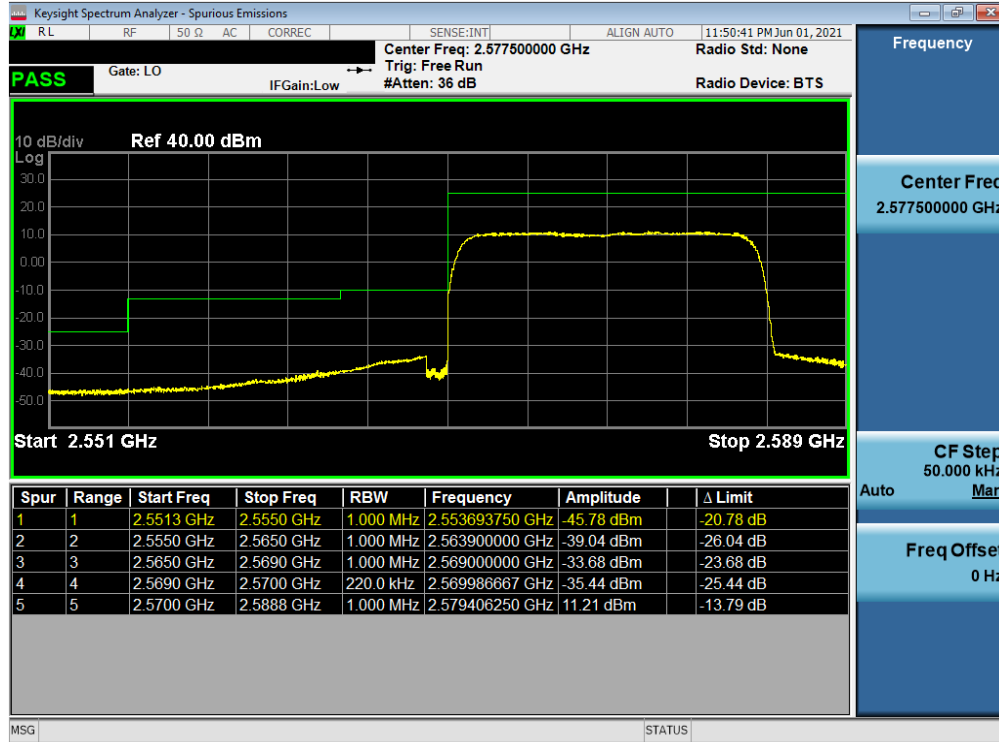


Plot 7-167. Lower Band Edge Plot (LTE Band 38 - 20MHz QPSK - Full RB)

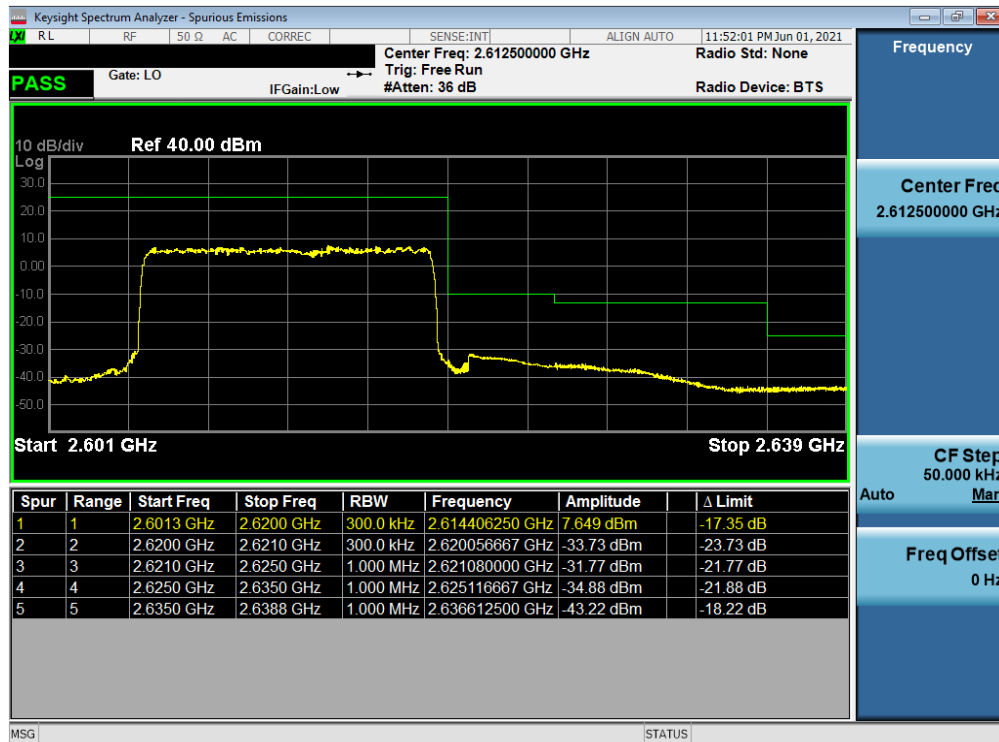


Plot 7-168. Upper Band Edge Plot (LTE Band 38 - 20MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 106 of 169

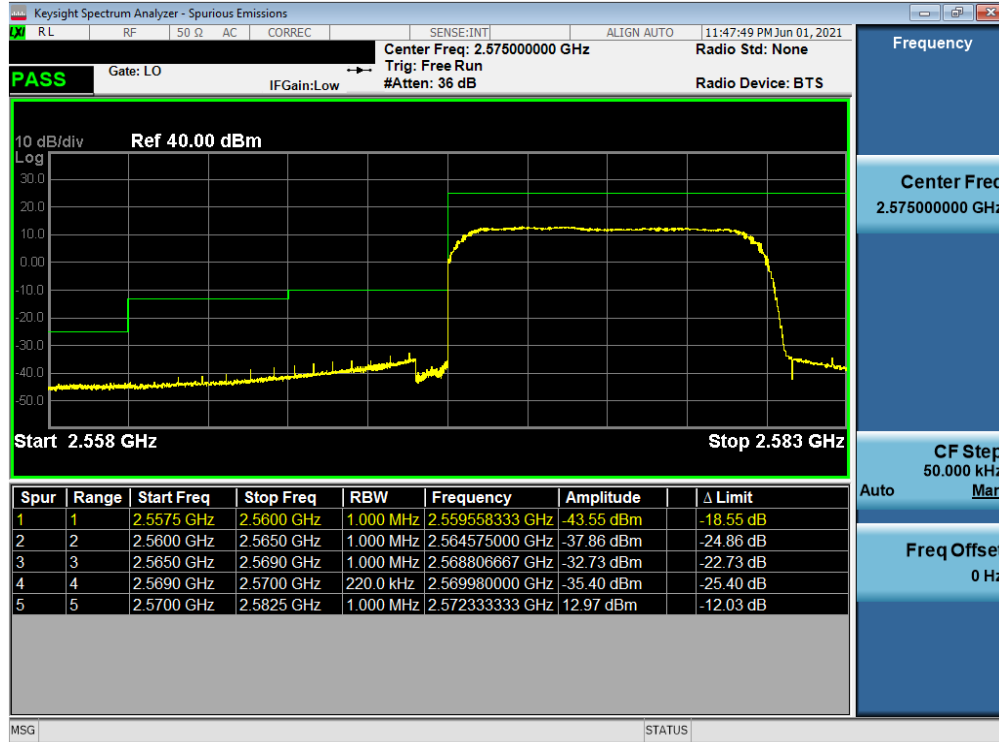


Plot 7-169. Lower Band Edge Plot (LTE Band 38 - 15MHz QPSK - Full RB)

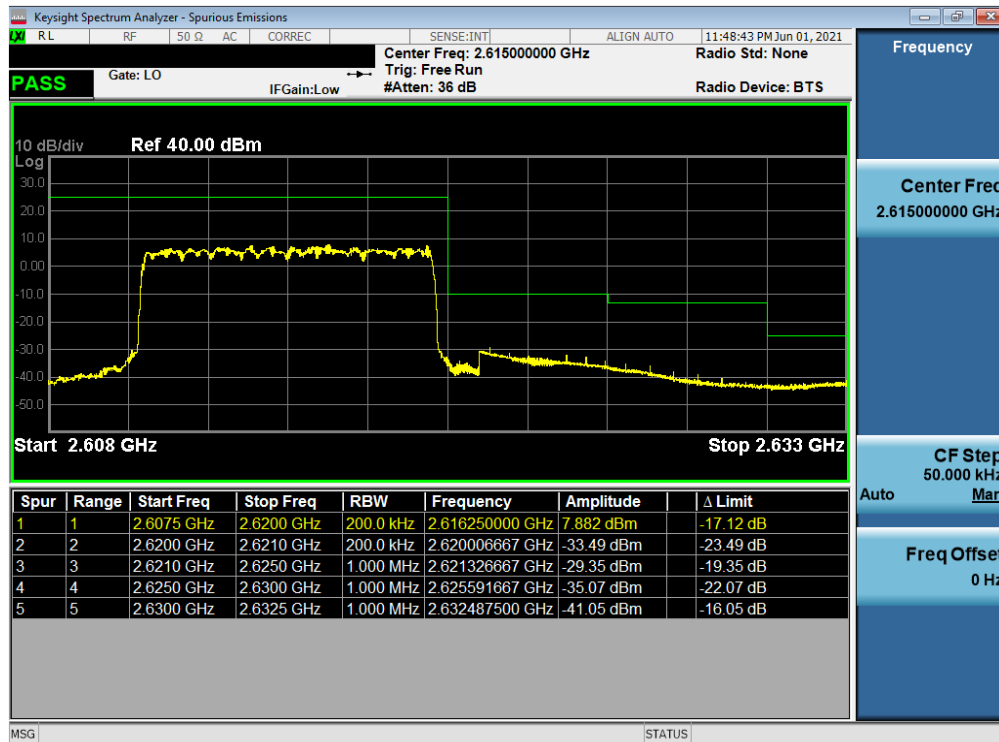


Plot 7-170. Upper Band Edge Plot (LTE Band 38 - 15MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 107 of 169

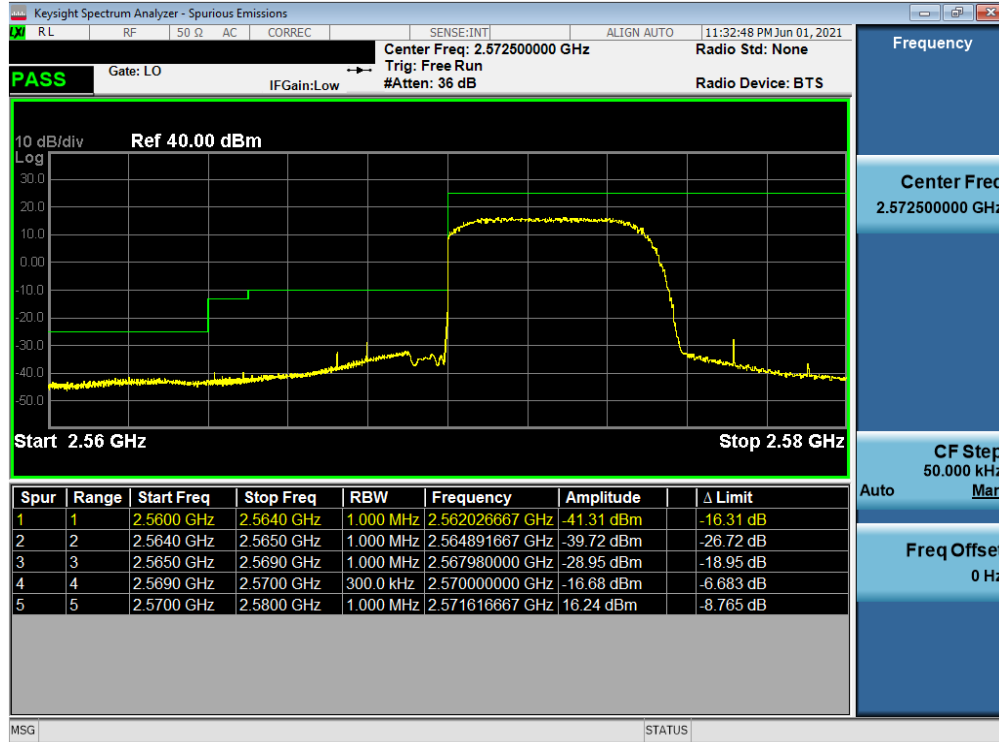


Plot 7-171. Lower Band Edge Plot (LTE Band 38 - 10MHz QPSK - Full RB)

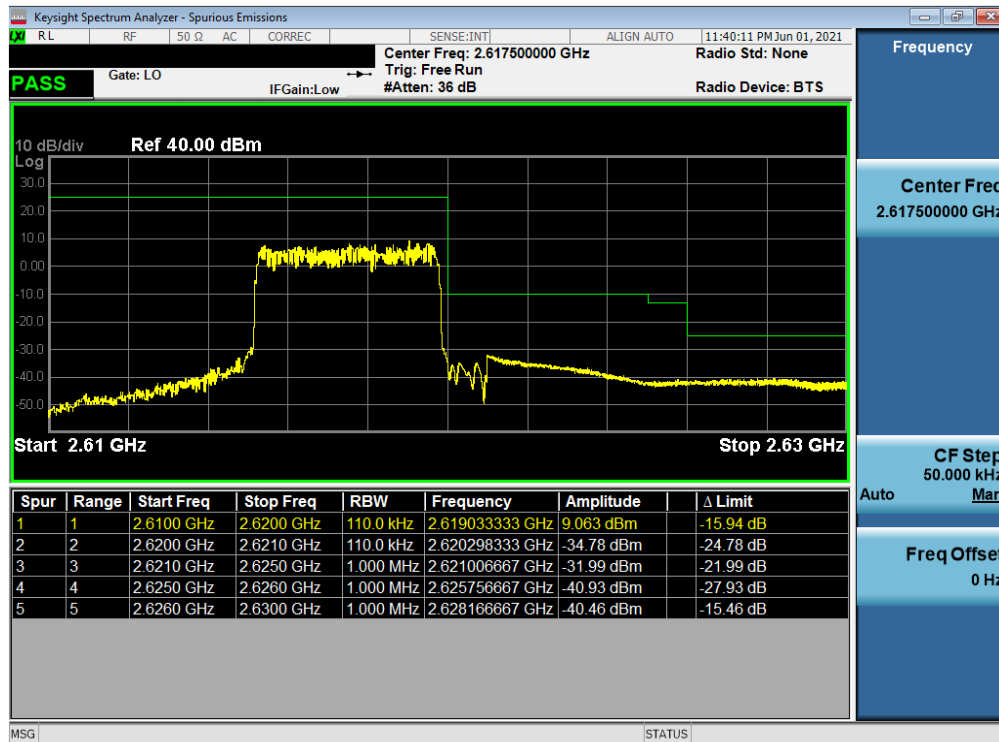


Plot 7-172. Upper Band Edge Plot (LTE Band 38 - 10MHz QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 108 of 169



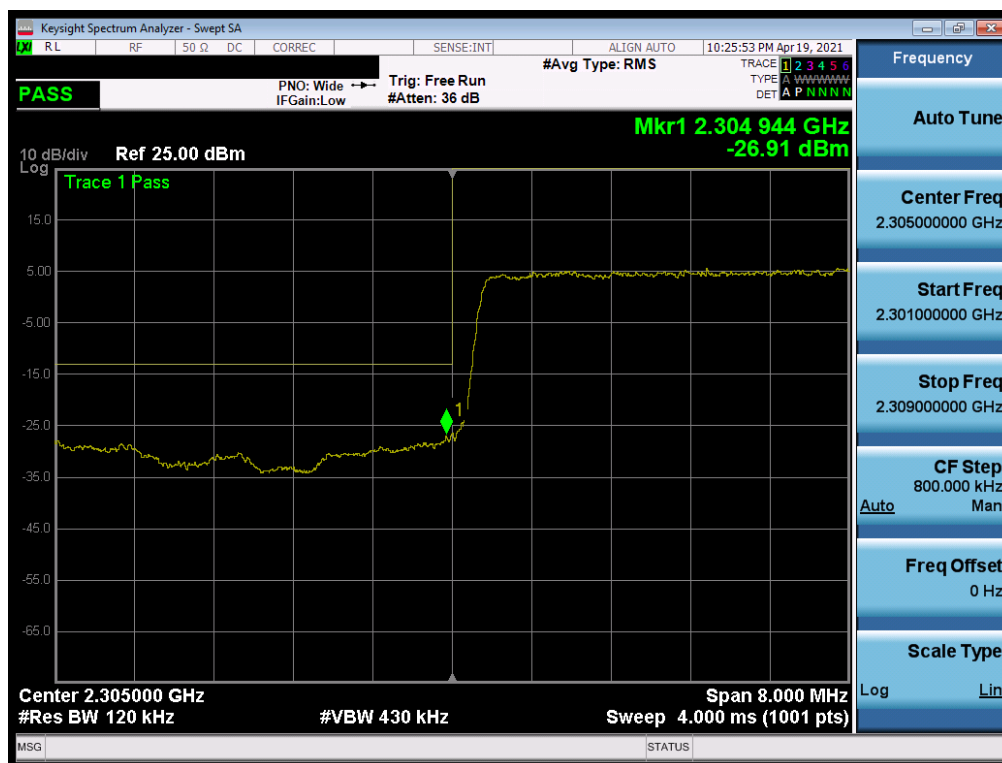
Plot 7-173. Lower Band Edge Plot (LTE Band 38 - 5MHz QPSK – Full RB)



Plot 7-174. Upper Band Edge Plot (LTE Band 38 - 5MHz QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 109 of 169

NR Band n30



Plot 7-175. Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB)

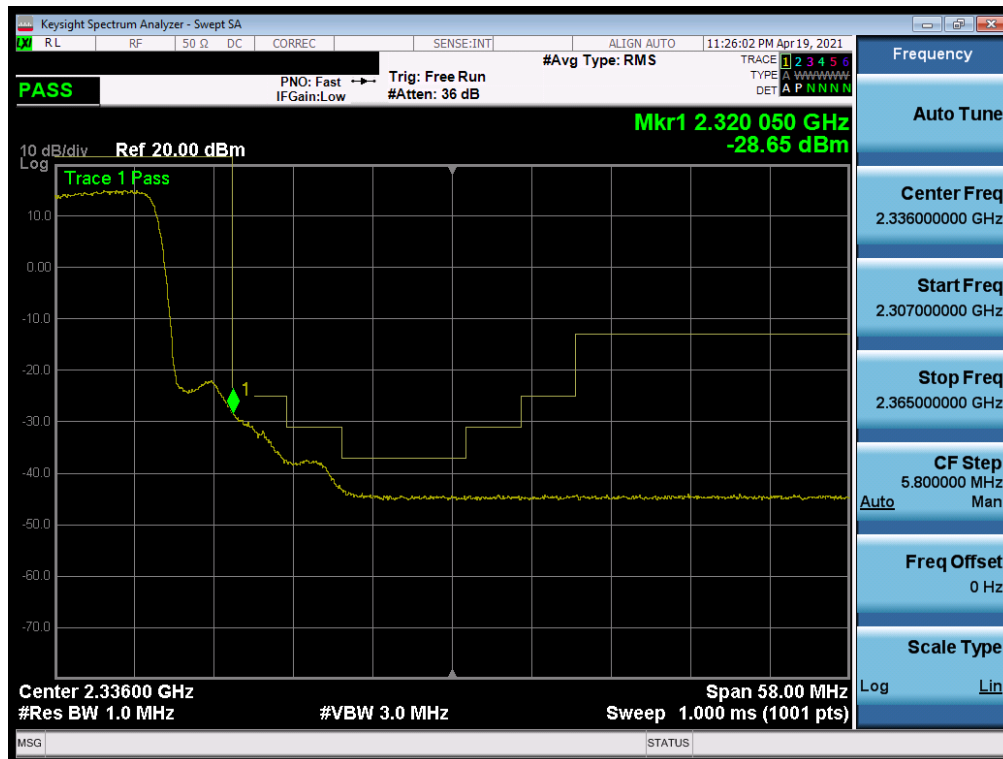


Plot 7-176. Extended Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 110 of 169

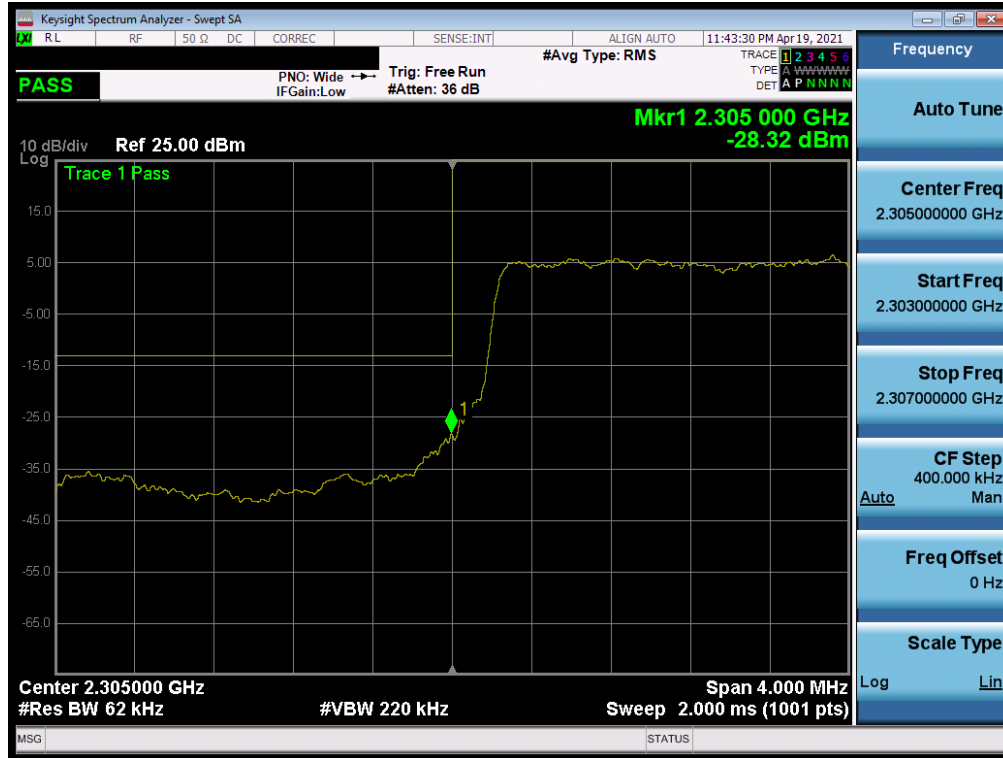


Plot 7-177. Upper Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB)

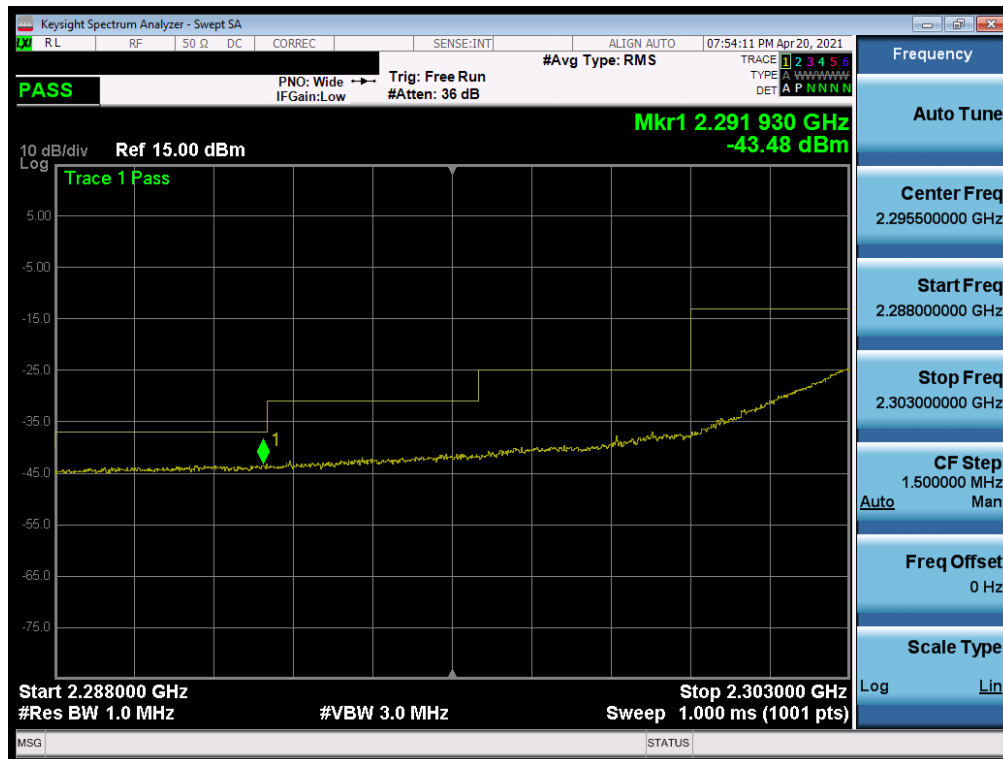


Plot 7-178. Extended Upper Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset	Page 111 of 169

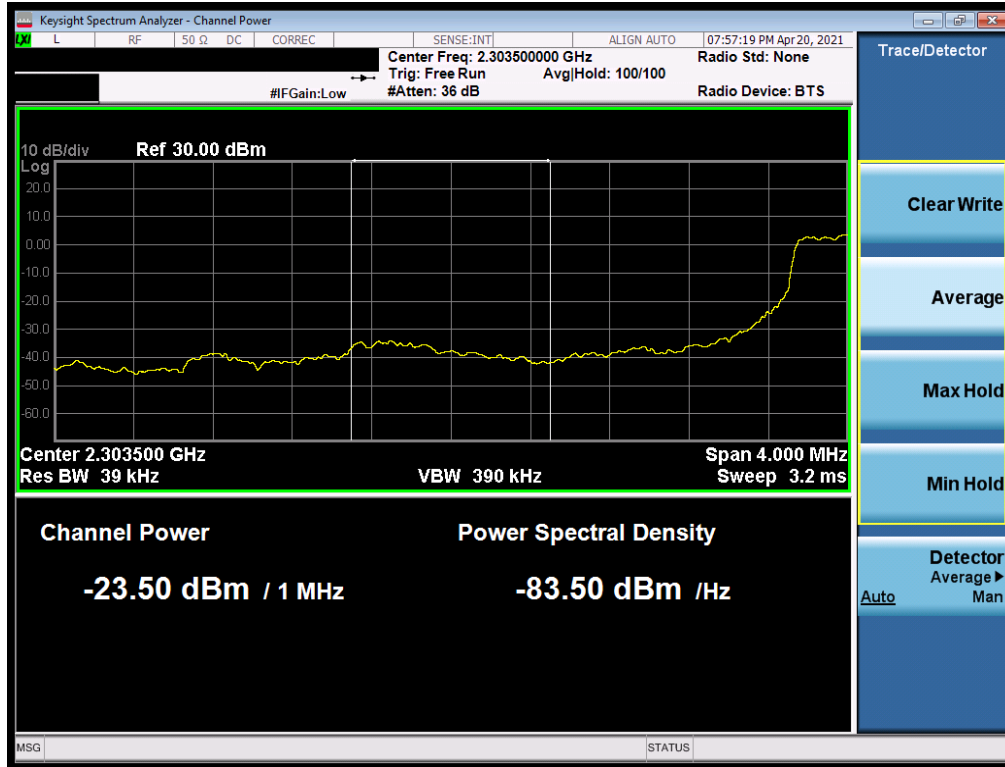


Plot 7-179. Lower Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB)



Plot 7-180. Extended Lower Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 112 of 169

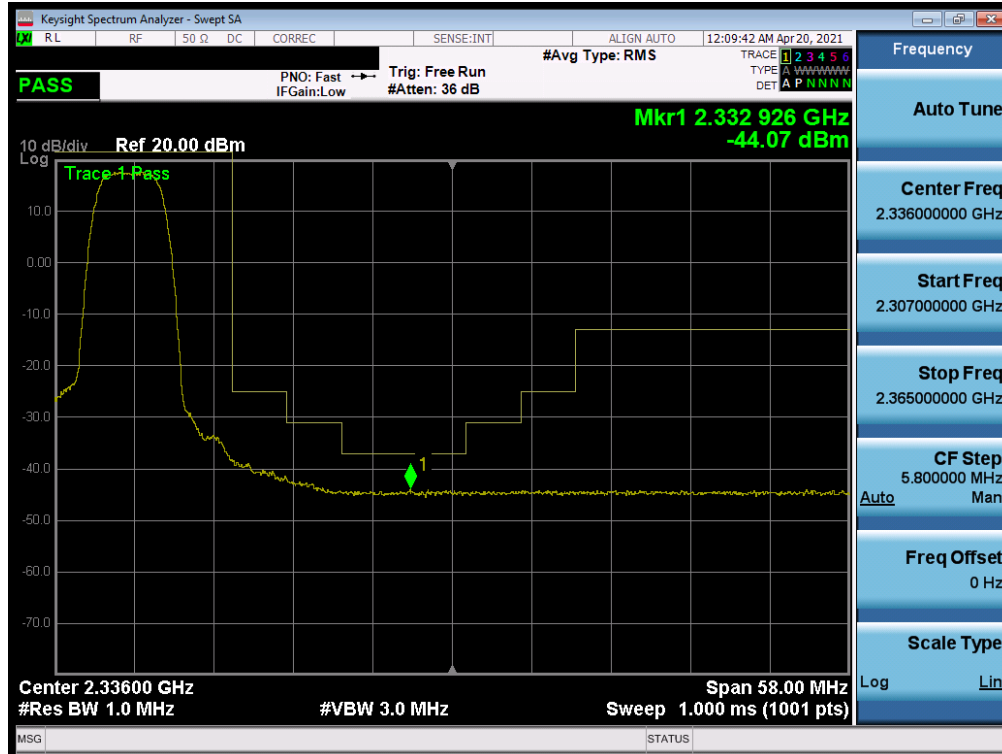


Plot 7-181. Extended Lower Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB)



Plot 7-182. Upper Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB)

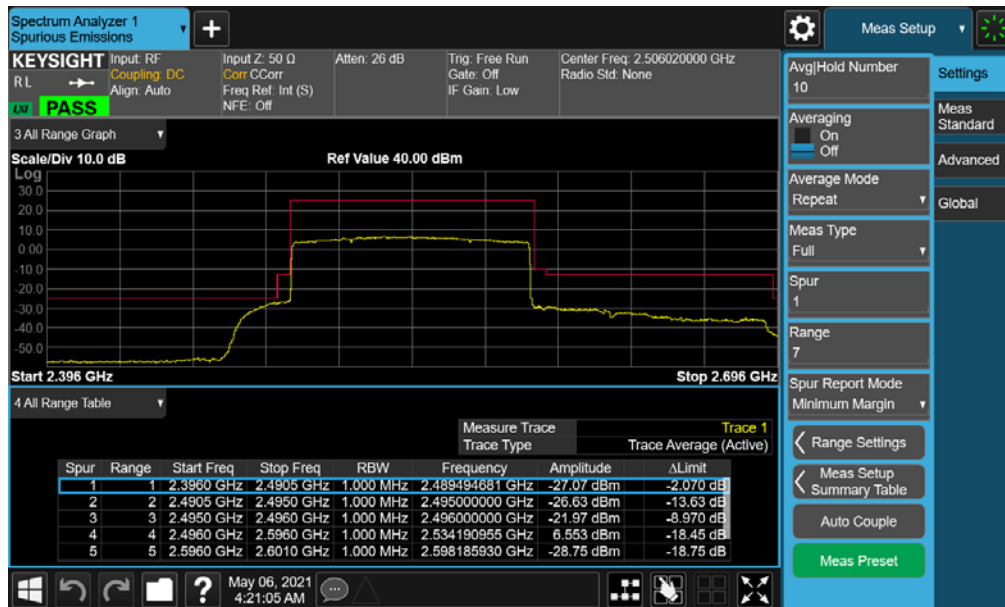
FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 113 of 169



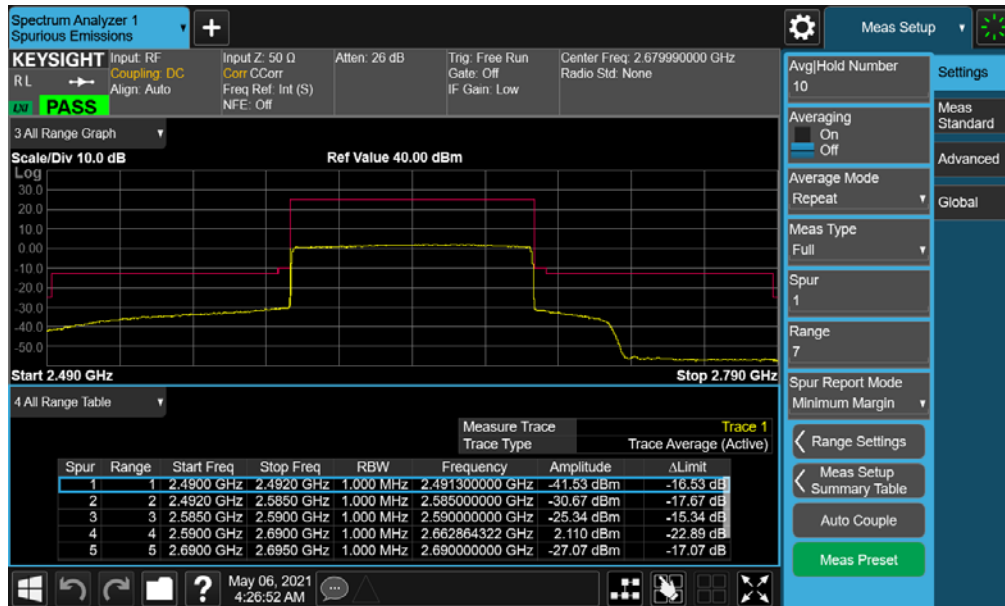
Plot 7-183. Extended Upper Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 114 of 169

NR Band n41 (PC2)

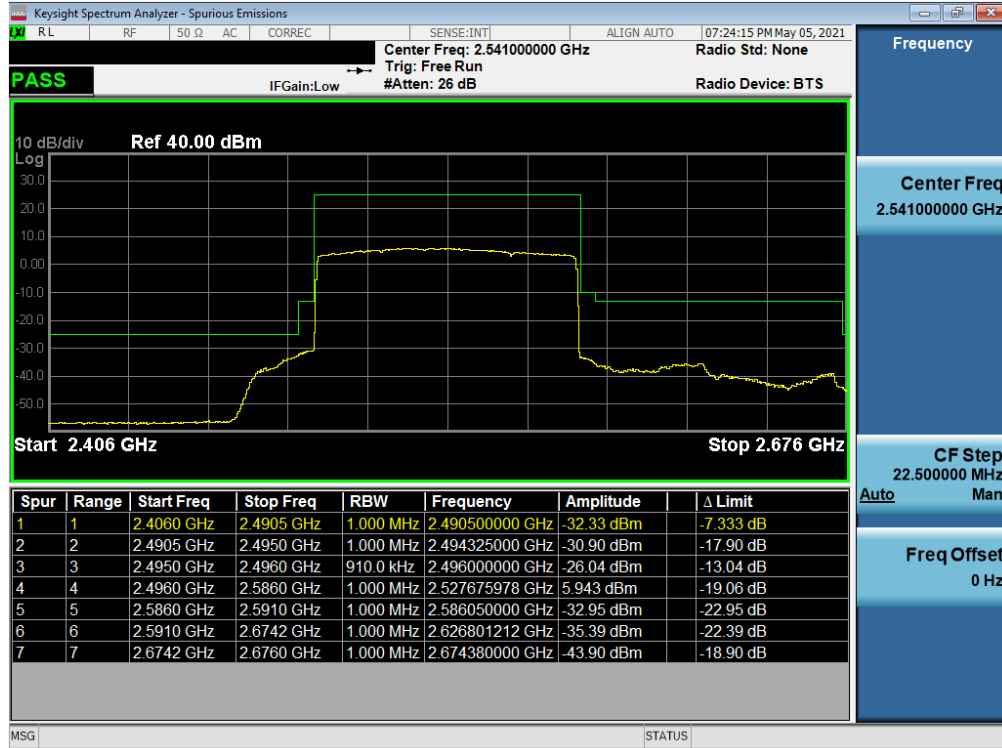


Plot 7-184. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB)

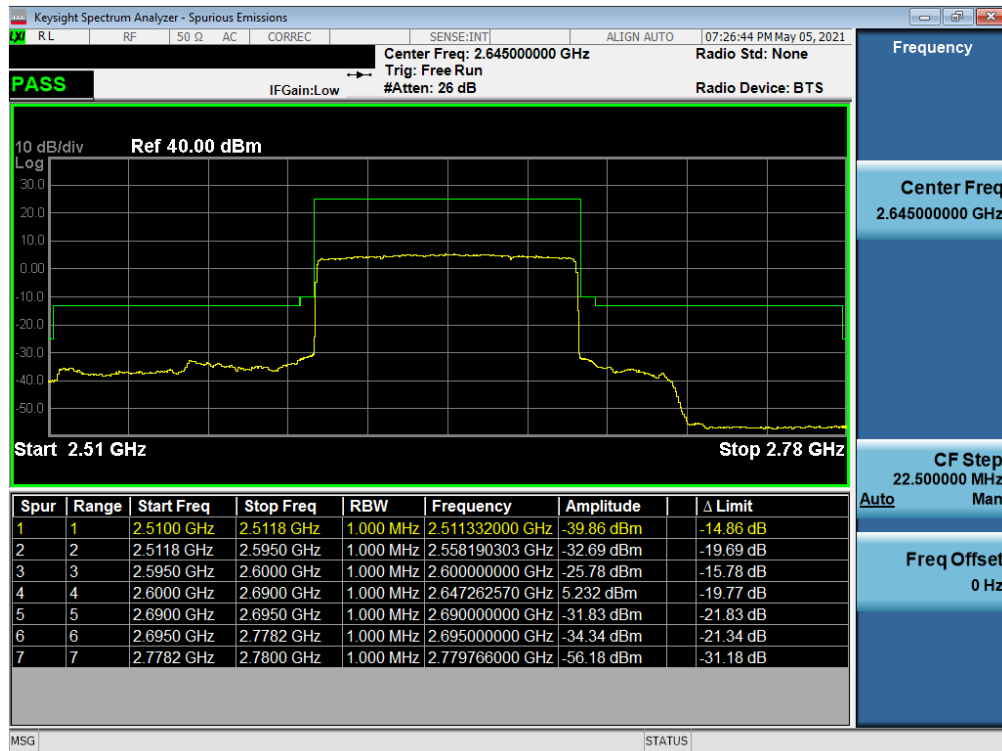


Plot 7-185. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 – 6/11/2021	EUT Type: Portable Handset		Page 115 of 169



Plot 7-186. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK - Full RB)



Plot 7-187. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK - Full RB)

FCC ID: A3LSMF711U1	PCTEST Proud to be part of Samsung	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2107290086-06.A3L	Test Dates: 4/12/2021 - 6/11/2021	EUT Type: Portable Handset		Page 116 of 169