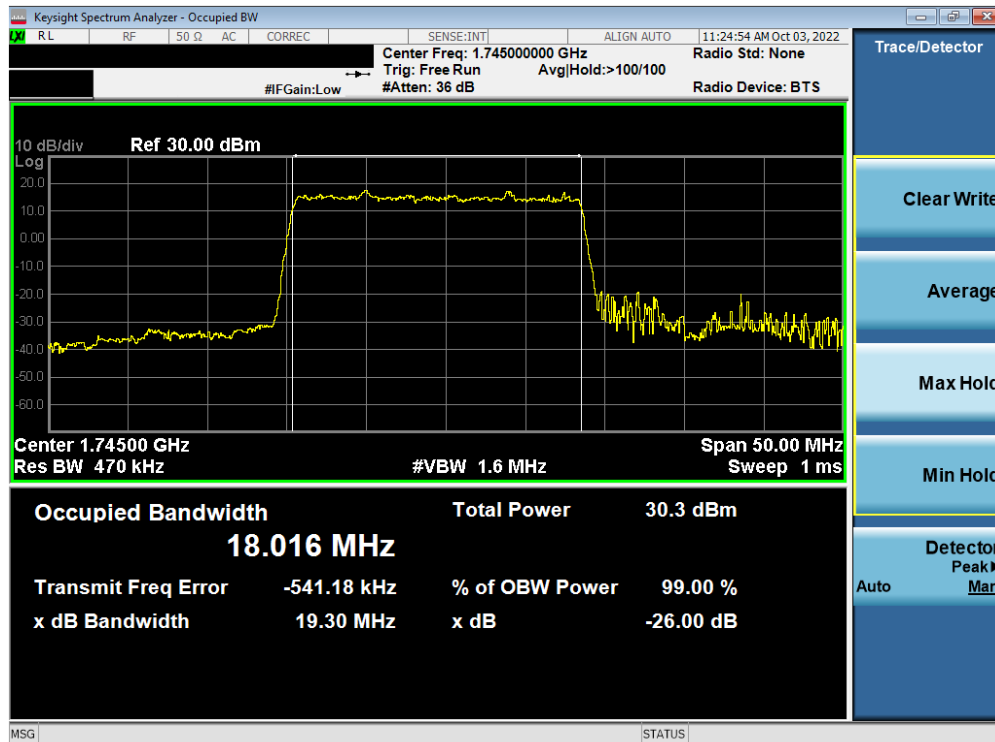
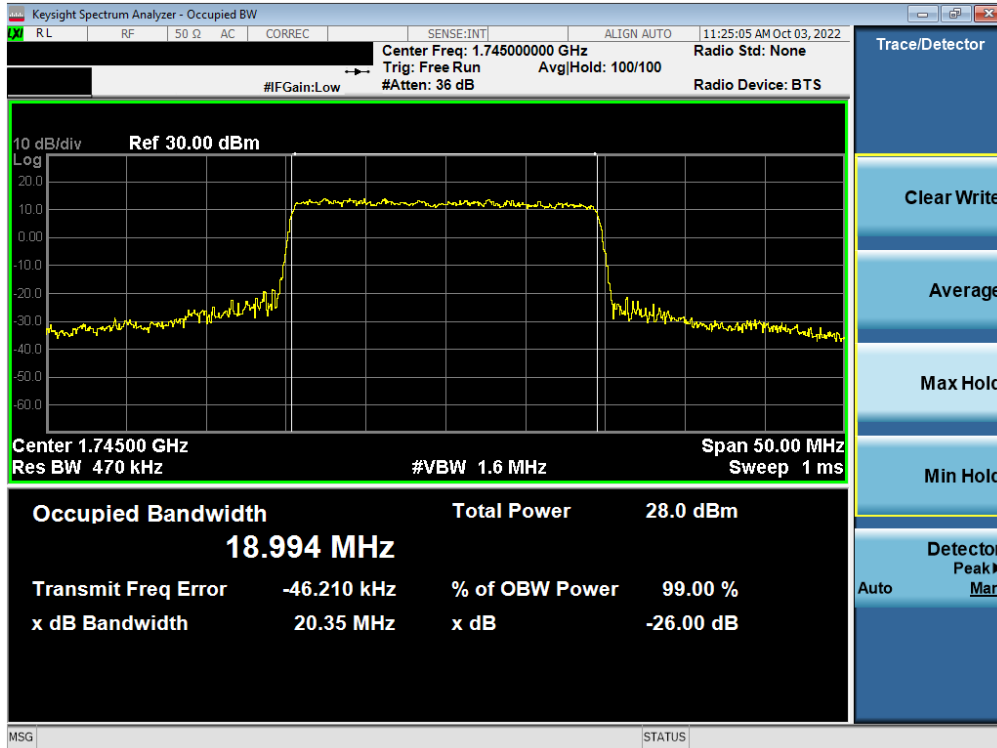


Plot 7-96. Occupied Bandwidth Plot (NR Band n66 - 25.0MHz CP-OFDM 16QAM - Full RB - Ant F)

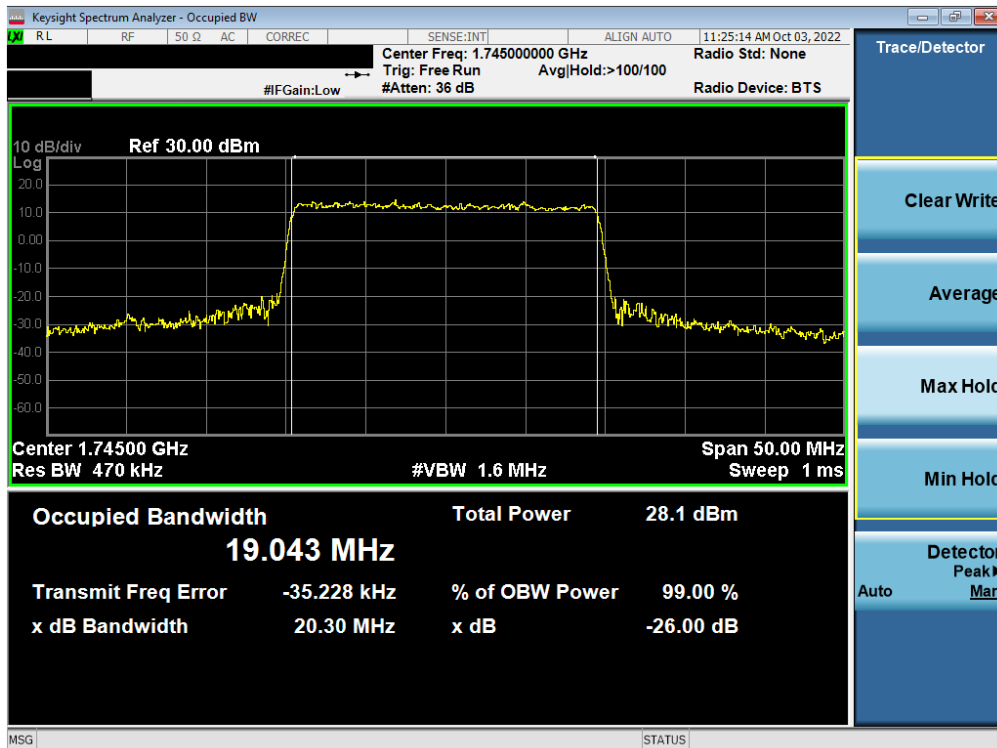


Plot 7-97. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 69 of 316                    |

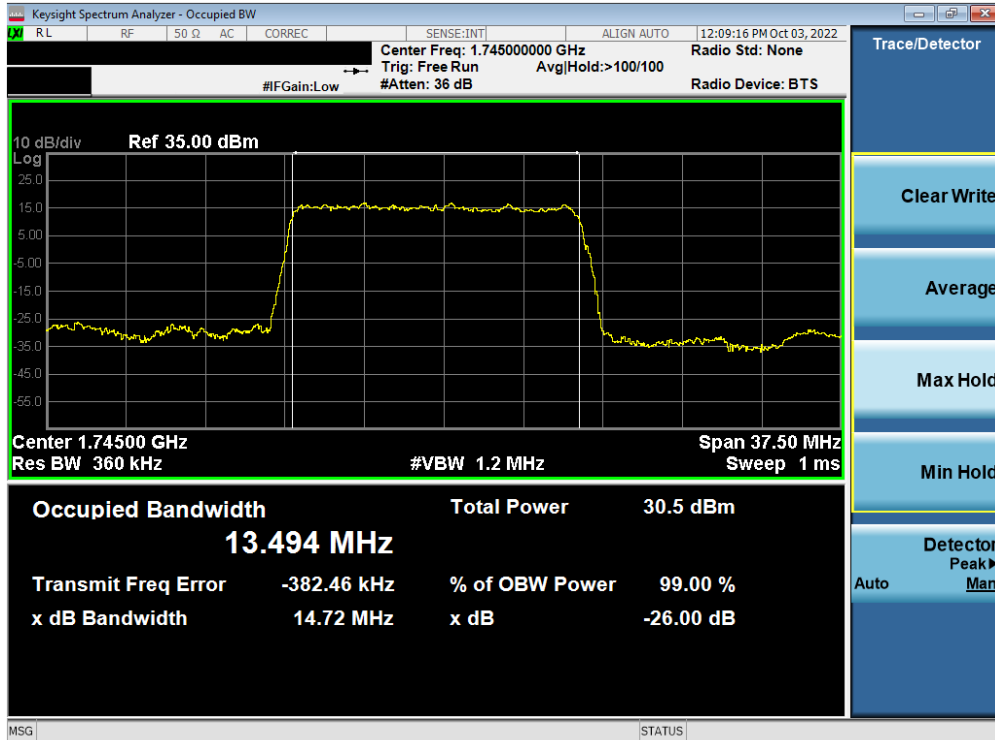


Plot 7-98. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB – Ant F)

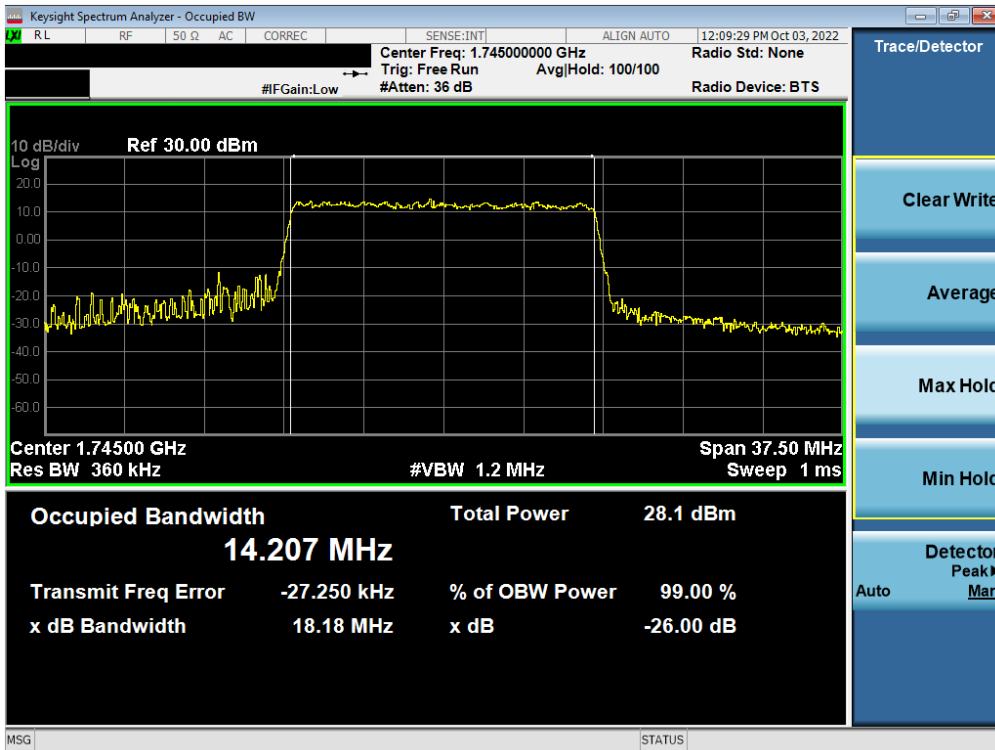


Plot 7-99. Occupied Bandwidth Plot (NR Band n66 - 20.0MHz CP-OFDM 16QAM - Full RB – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 70 of 316                    |

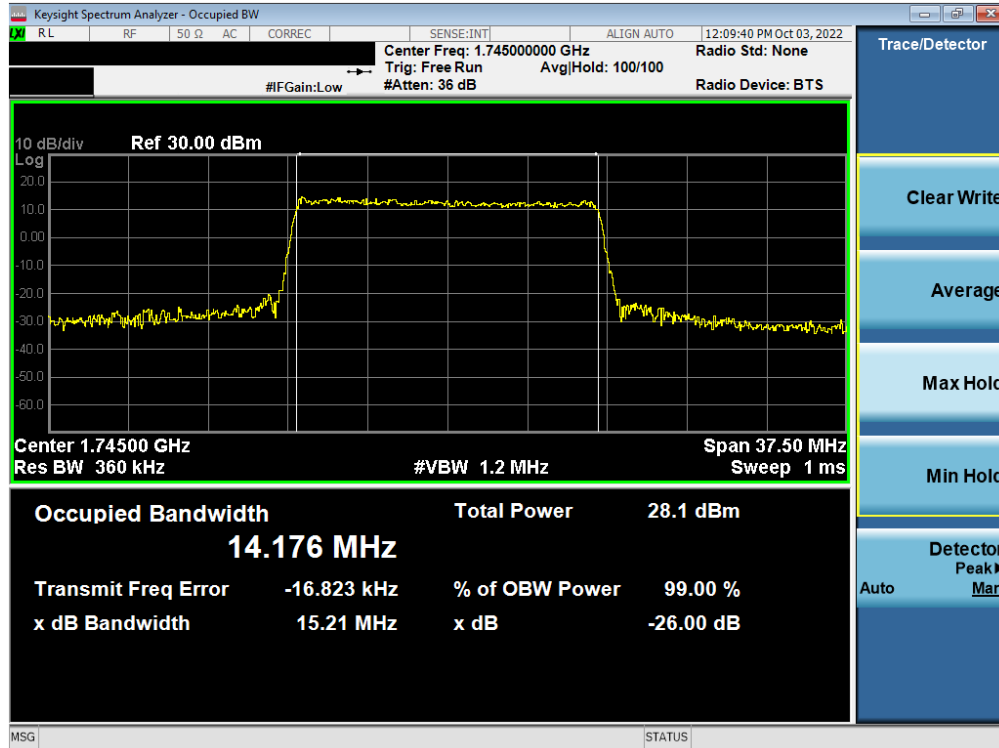


Plot 7-100. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

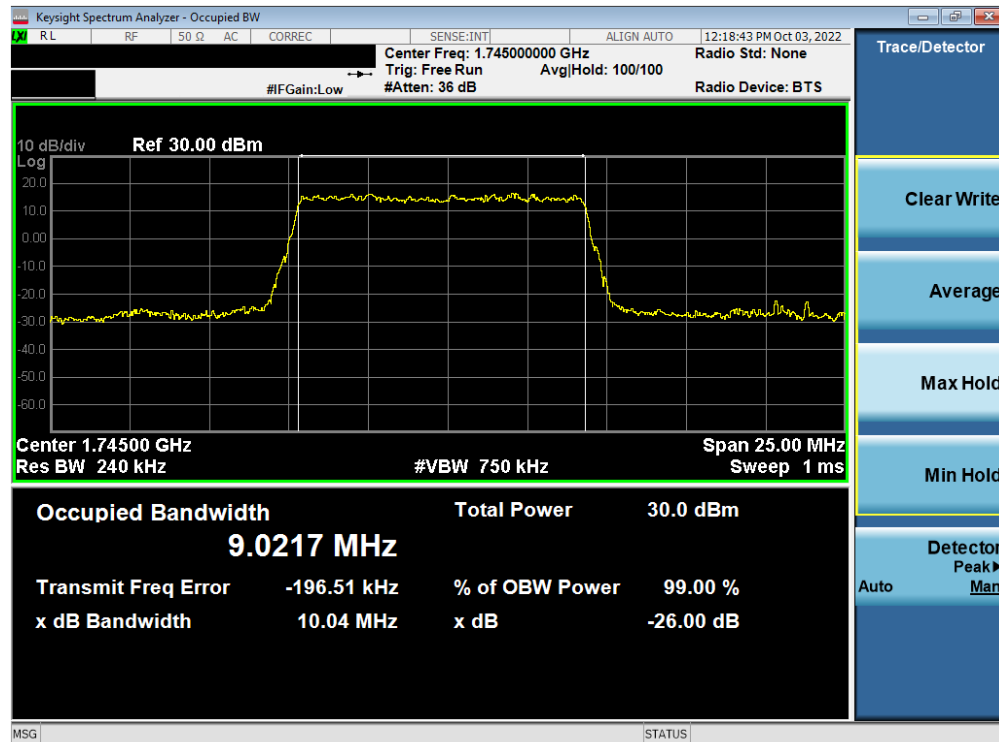


Plot 7-101. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz CP-OFDM QPSK - Full RB - Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 71 of 316                    |

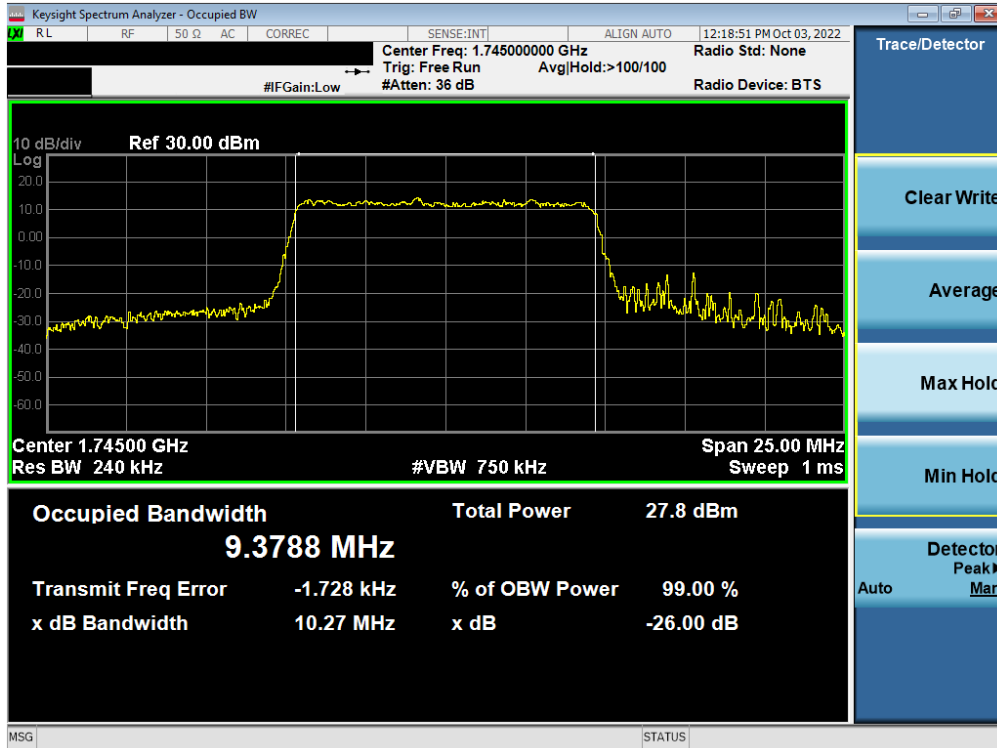


Plot 7-102. Occupied Bandwidth Plot (NR Band n66 - 15.0MHz CP-OFDM 16QAM - Full RB – Ant F)

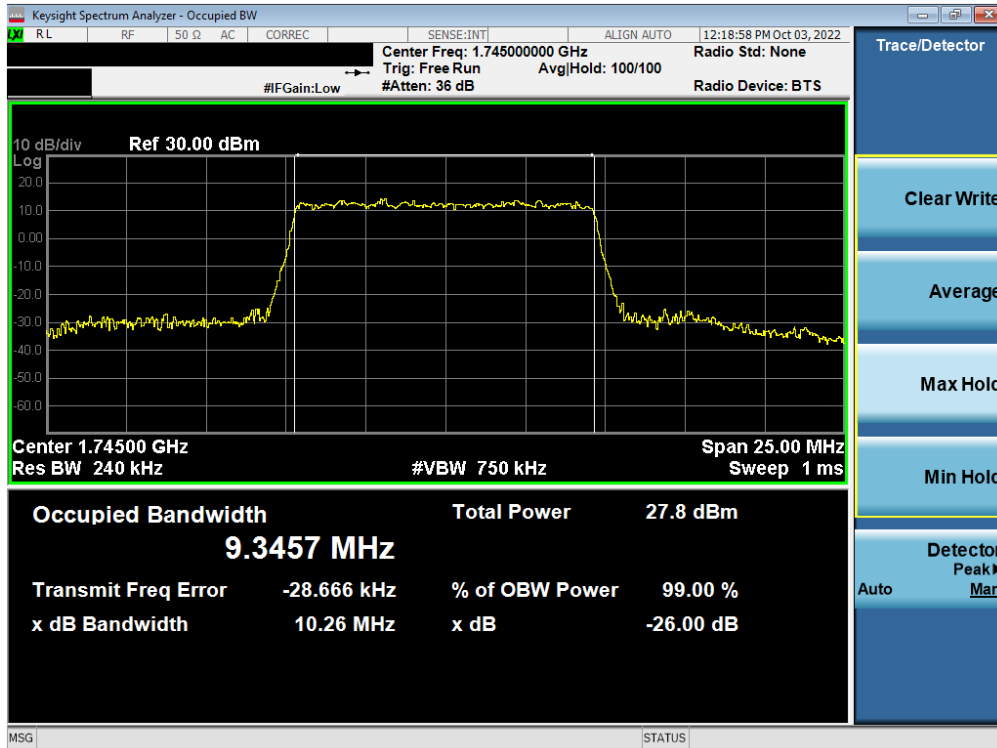


Plot 7-103. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 72 of 316                    |

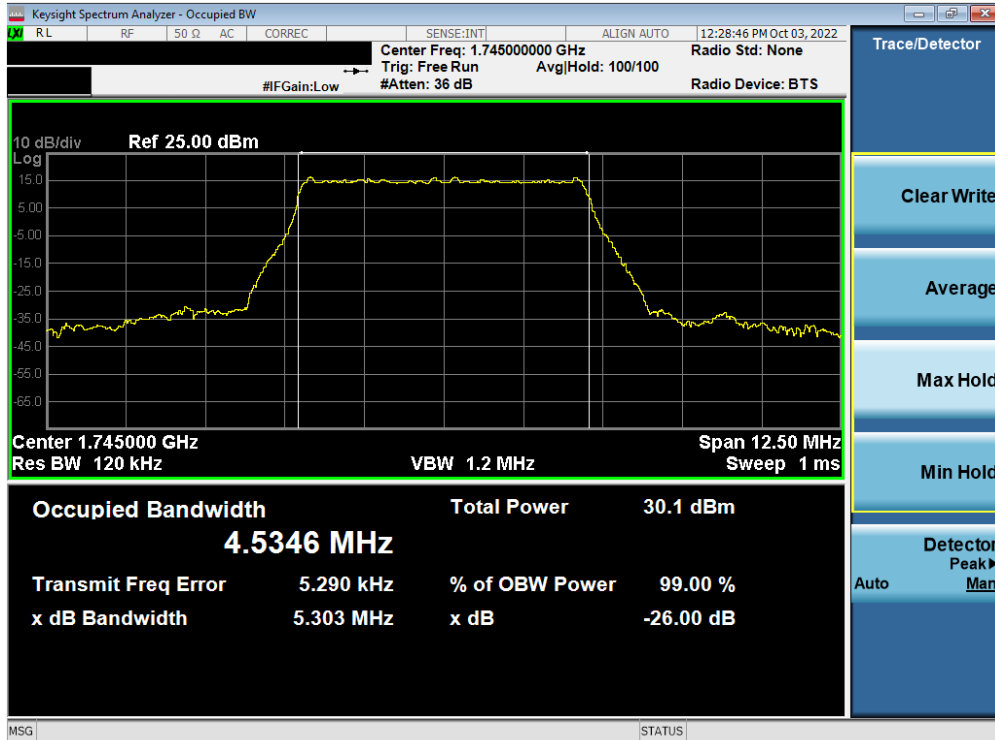


Plot 7-104. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB - Ant F)

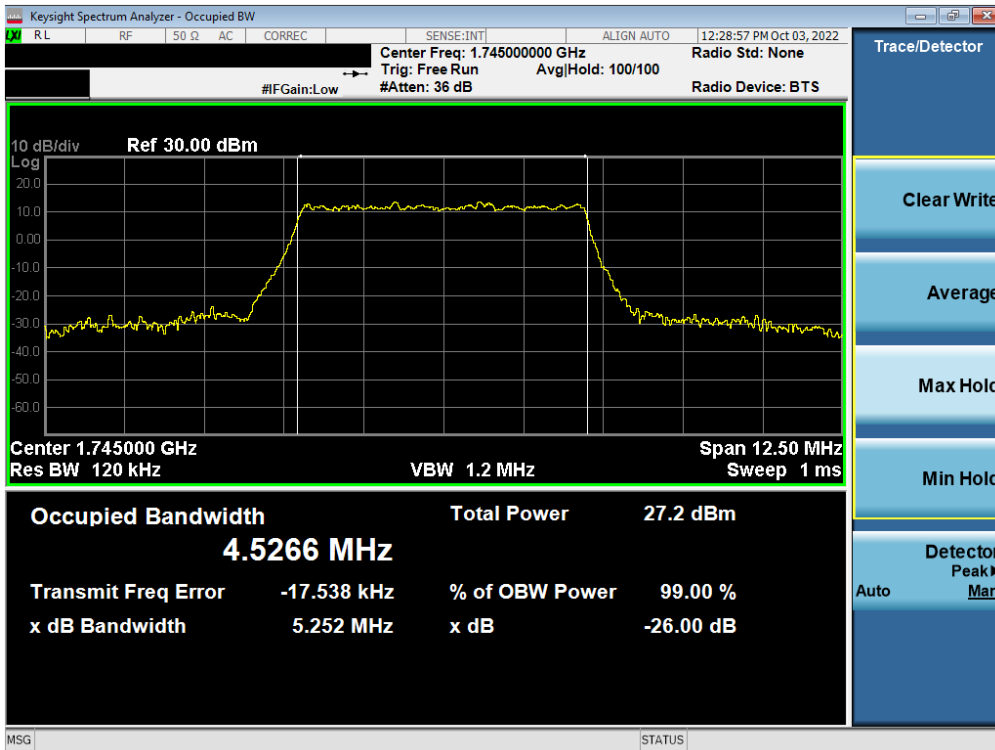


Plot 7-105. Occupied Bandwidth Plot (NR Band n66 - 10.0MHz CP-OFDM 16QAM - Full RB - Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 73 of 316                    |

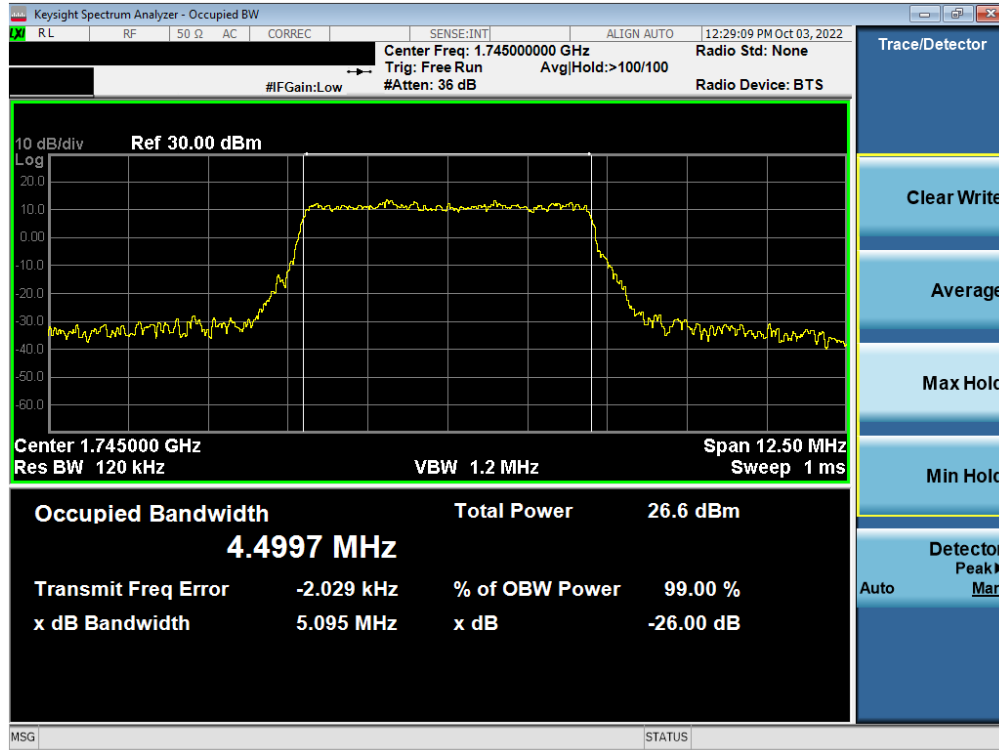


Plot 7-106. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-107. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz CP-OFDM QPSK - Full RB - Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 74 of 316                    |



Plot 7-108. Occupied Bandwidth Plot (NR Band n66 - 5.0MHz CP-OFDM 16QAM - Full RB – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 75 of 316                    |

## 7.4 Spurious and Harmonic Emissions at Antenna Terminal

### Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10<sup>th</sup> harmonic. 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

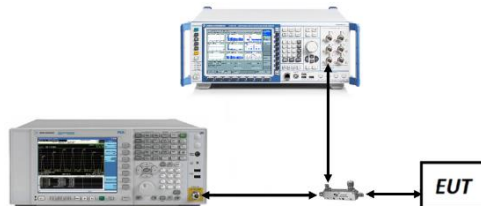
ANSI C63.26-2015 – Section 5.7.4

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 18GHz (separated into at least two plots per channel)
2. RBW  $\geq$  100kHz
3. VBW  $\geq$  3 x RBW
4. Detector = RMS
5. Trace mode = max hold
6. Sweep time = auto couple
7. 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**

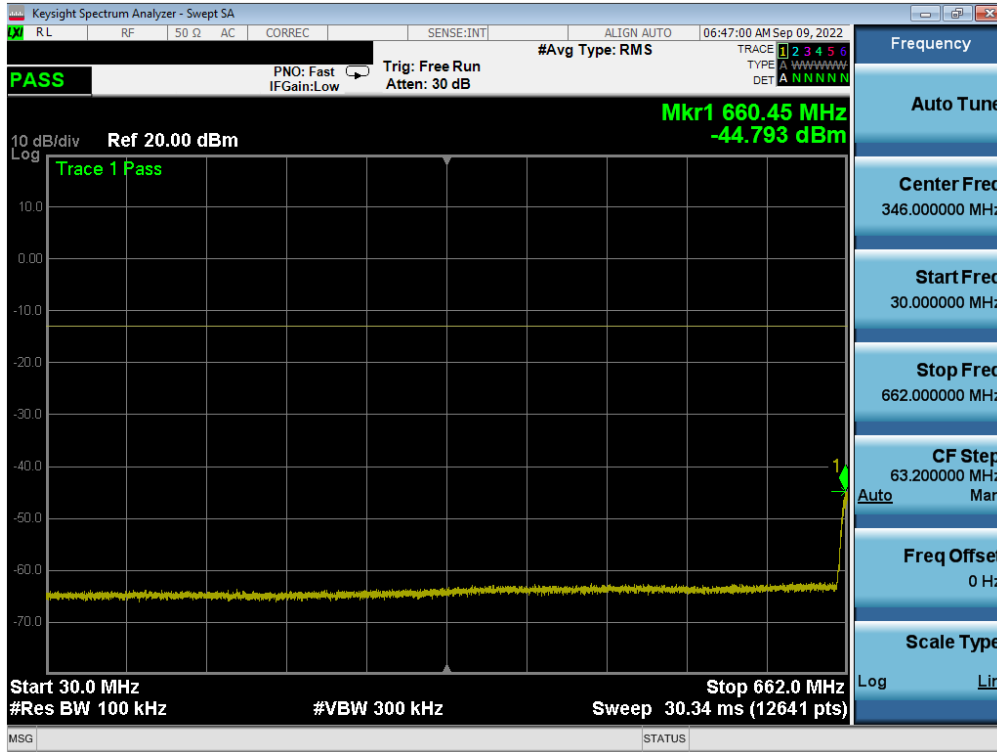
### Test Notes

1. Per Part 27 and RSS-139, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz.
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.

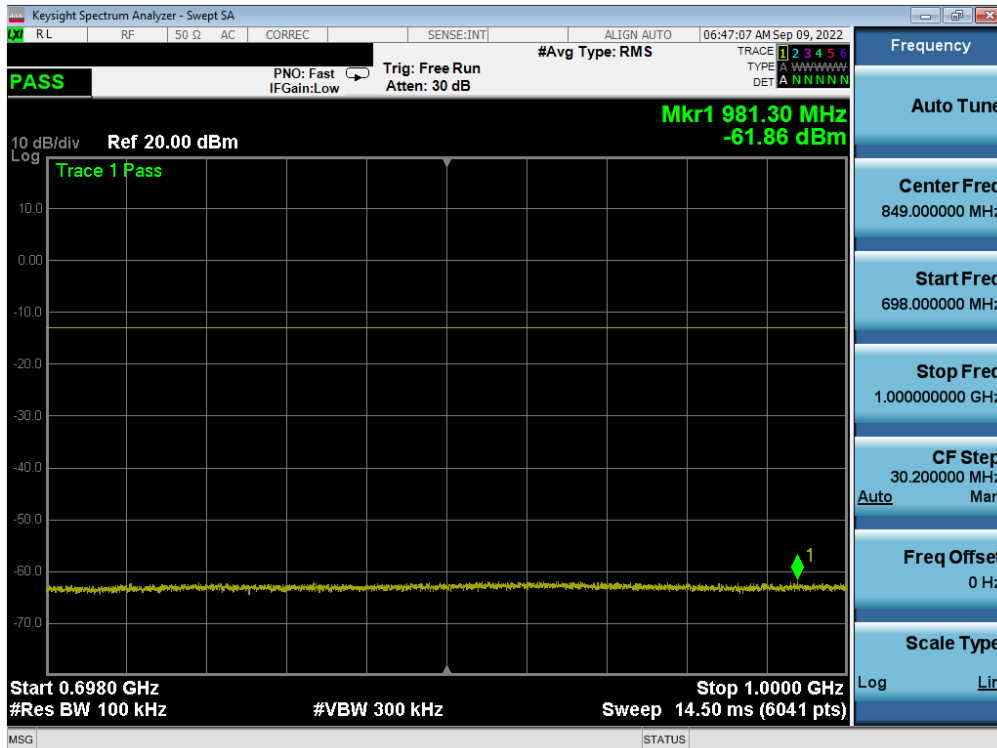
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 76 of 316                    |



# LTE Band 71 – Ant A

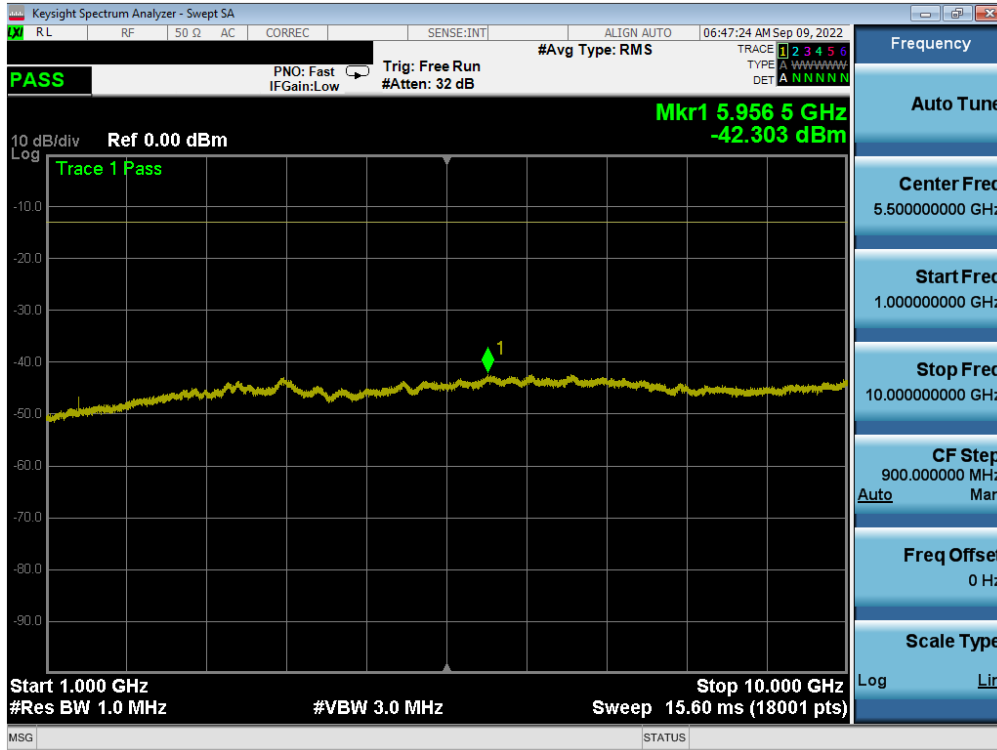


Plot 7-109. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Low Channel - Ant A)

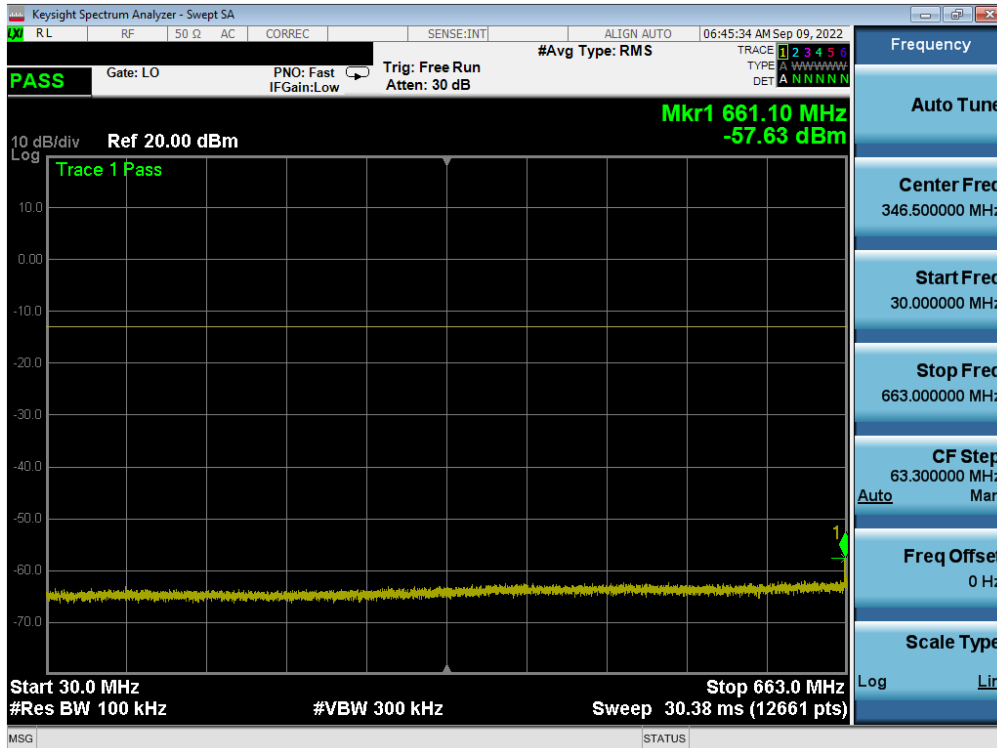


Plot 7-110. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 77 of 316                    |

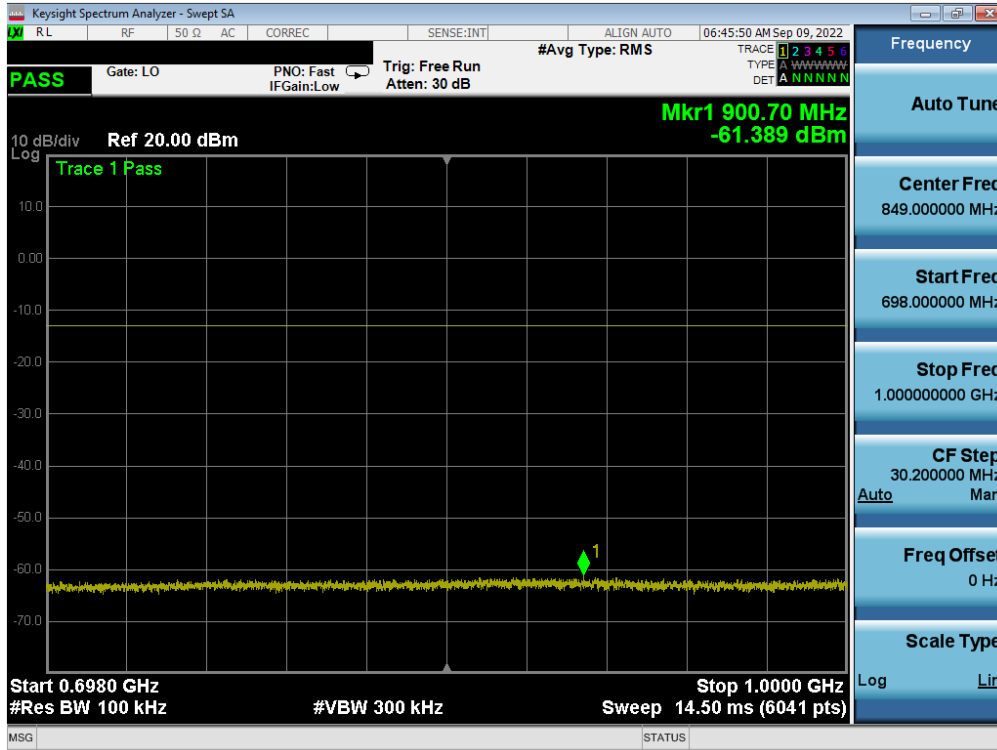


Plot 7-111. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Low Channel - Ant A)

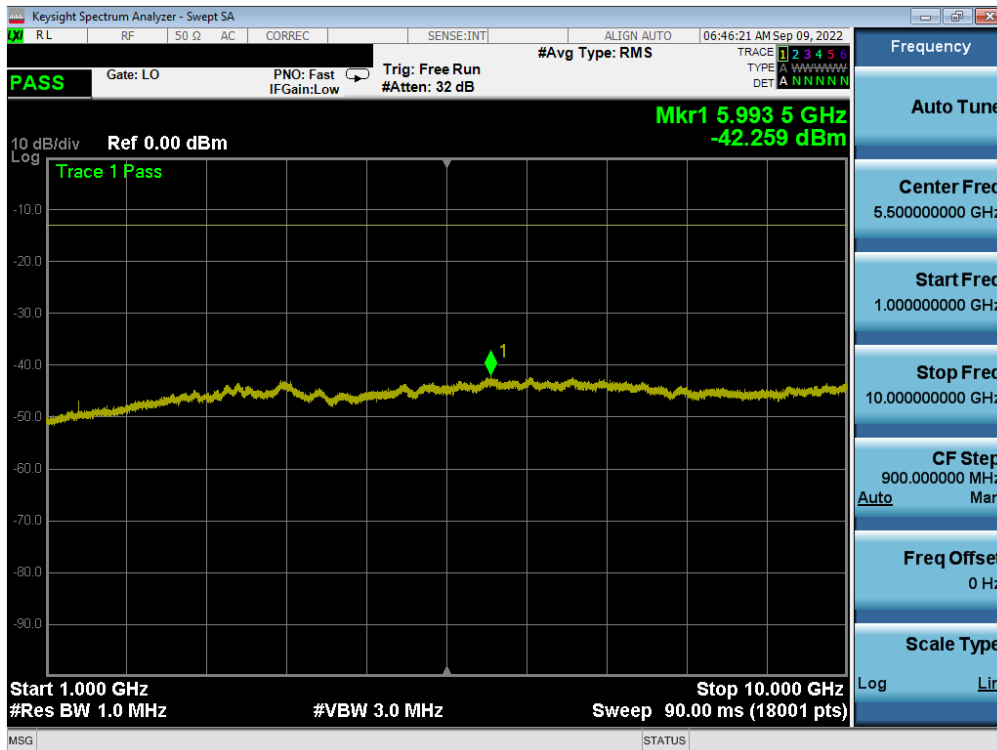


Plot 7-112. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 78 of 316                    |



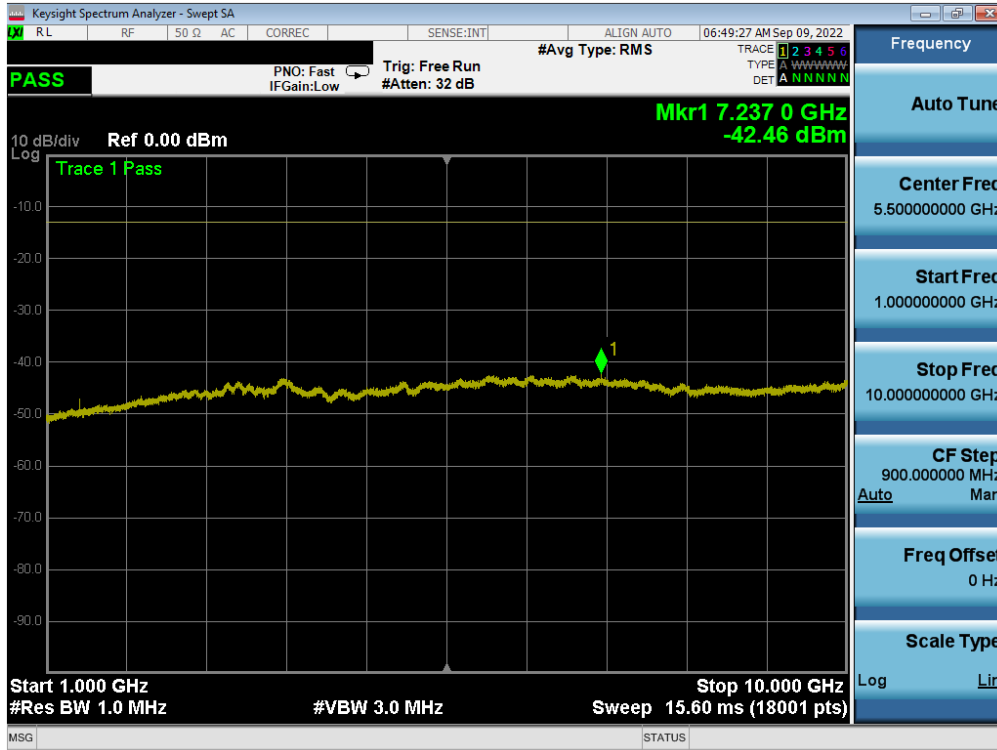
Plot 7-113. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Mid Channel - Ant A)



Plot 7-114. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 79 of 316                    |

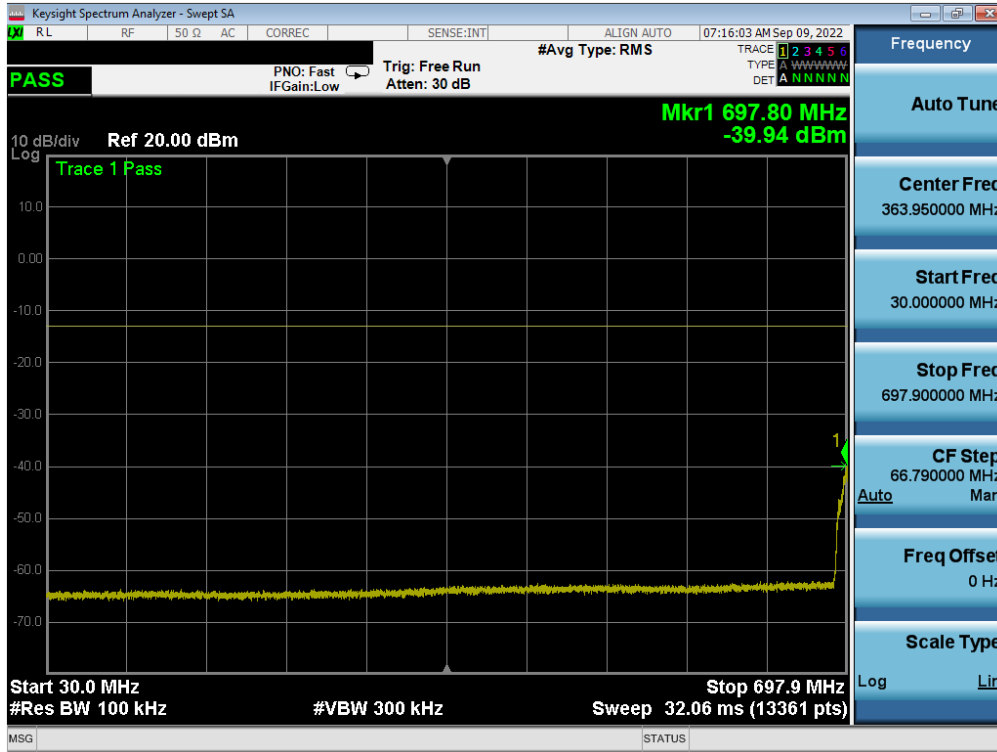




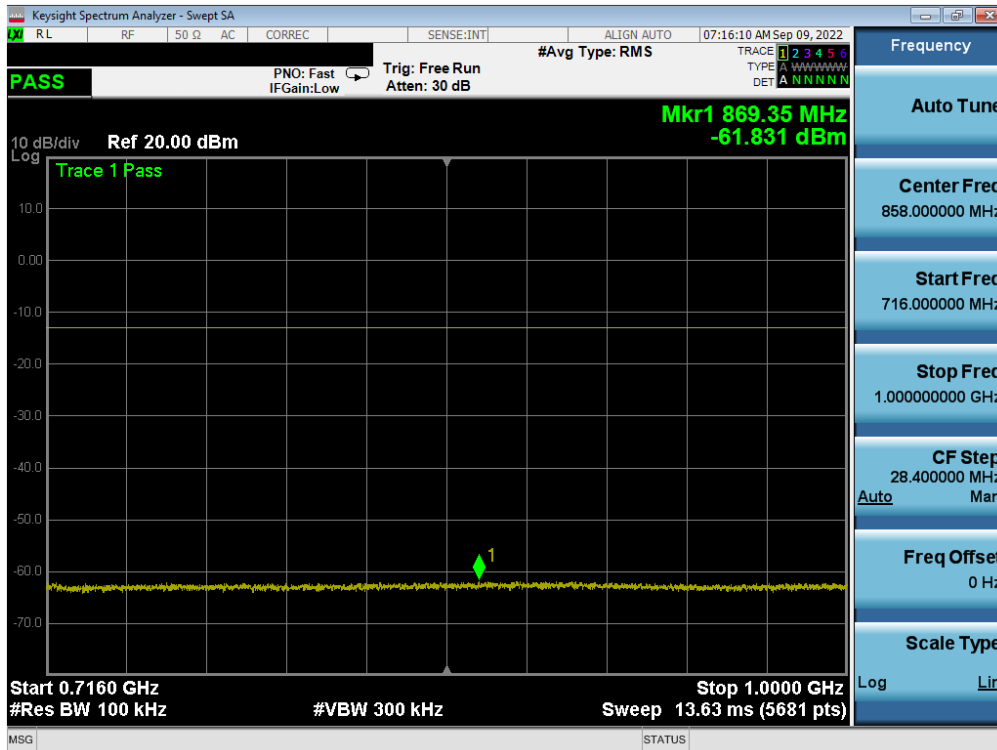
Plot 7-117. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 81 of 316                    |

# LTE Band 12 – Ant A

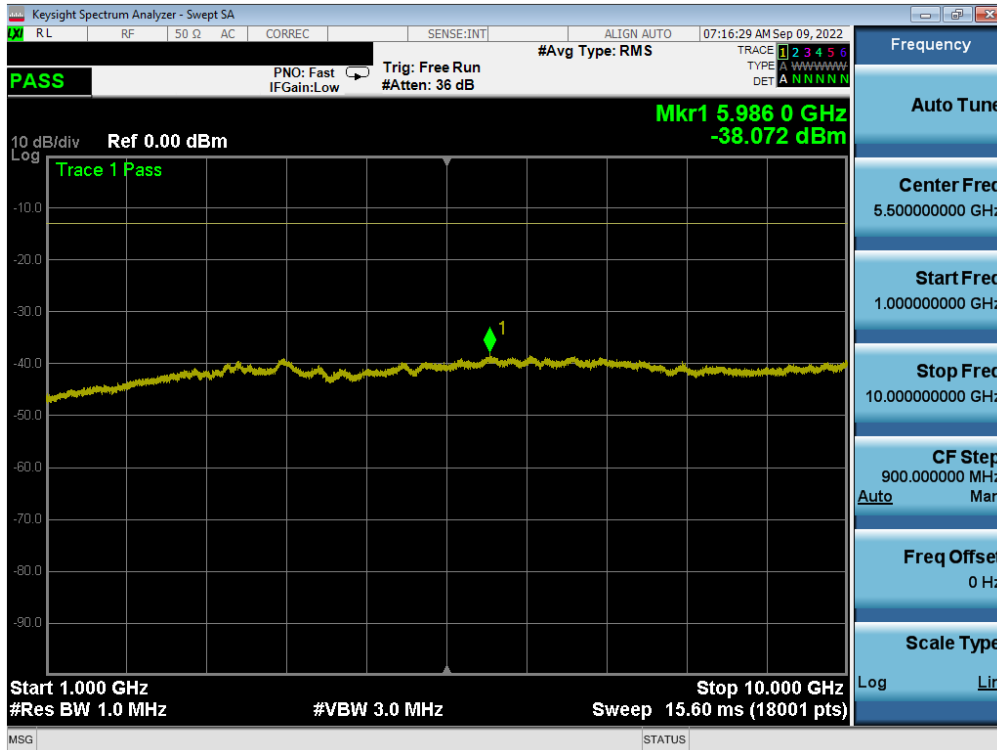


Plot 7-118. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Low Channel - Ant A)

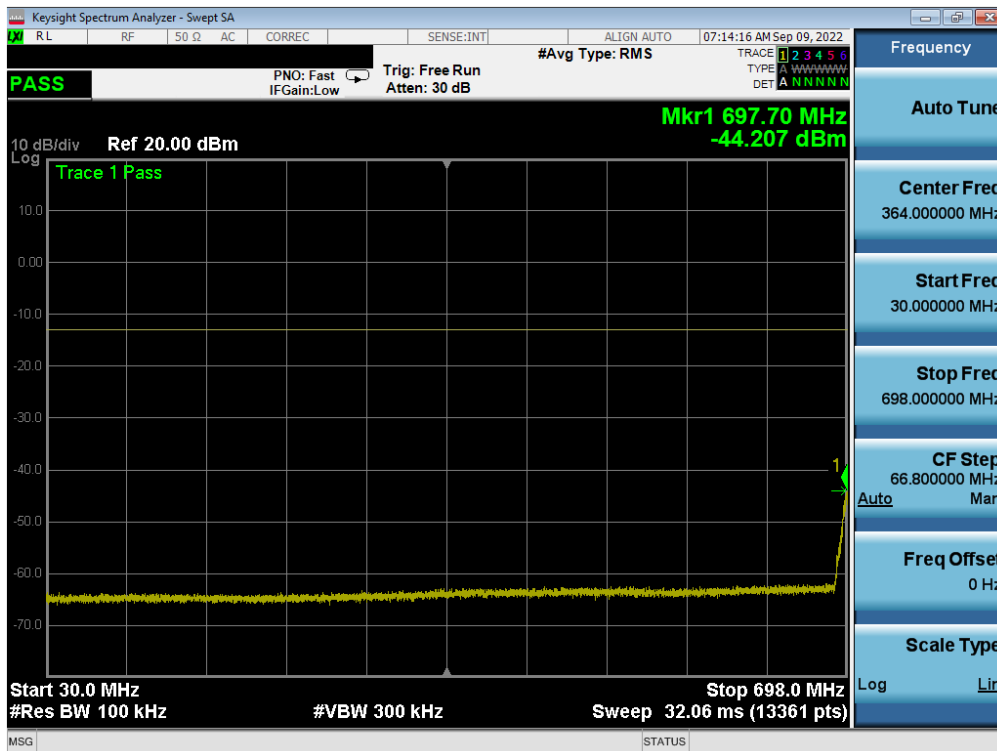


Plot 7-119. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 82 of 316                    |

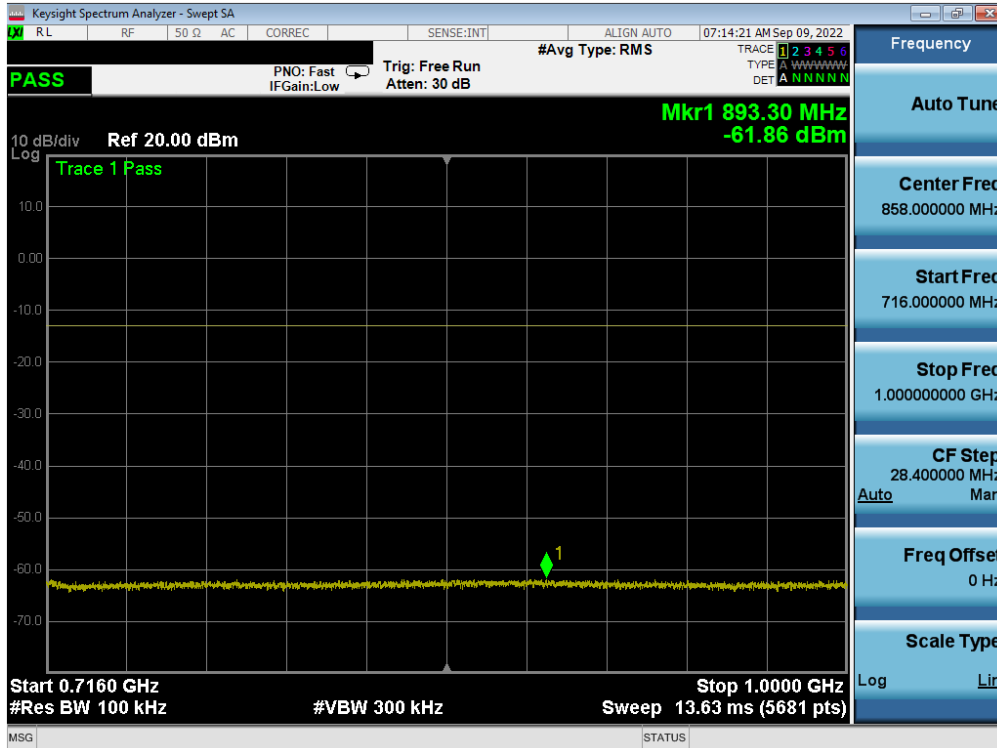


Plot 7-120. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Low Channel - Ant A)

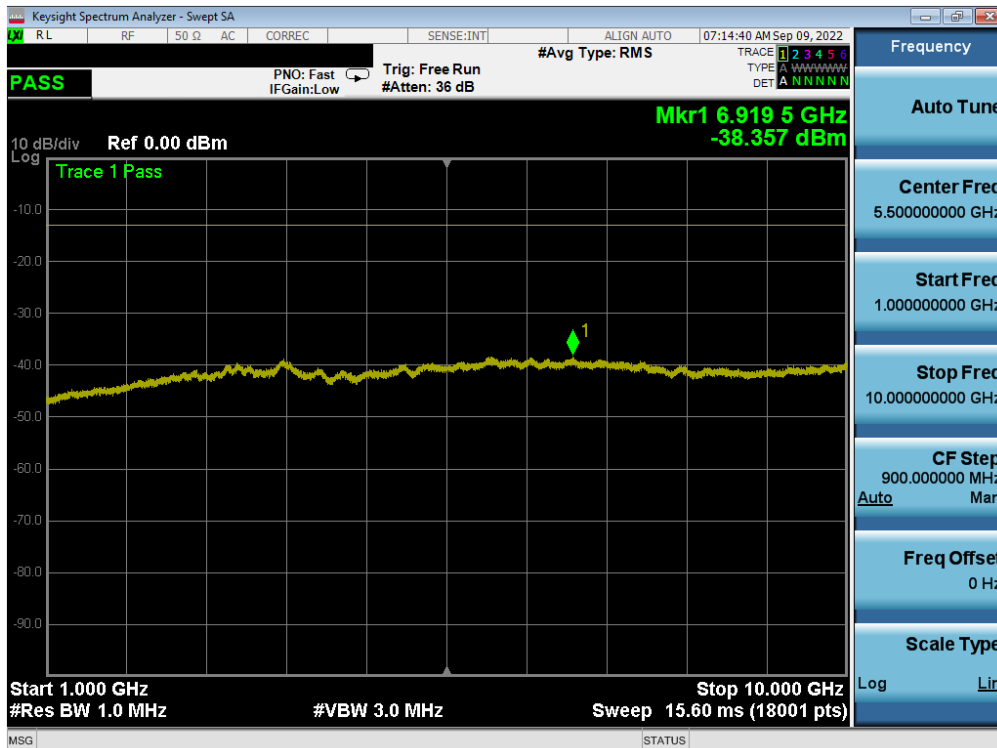


Plot 7-121. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 83 of 316                    |



Plot 7-122. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Mid Channel - Ant A)

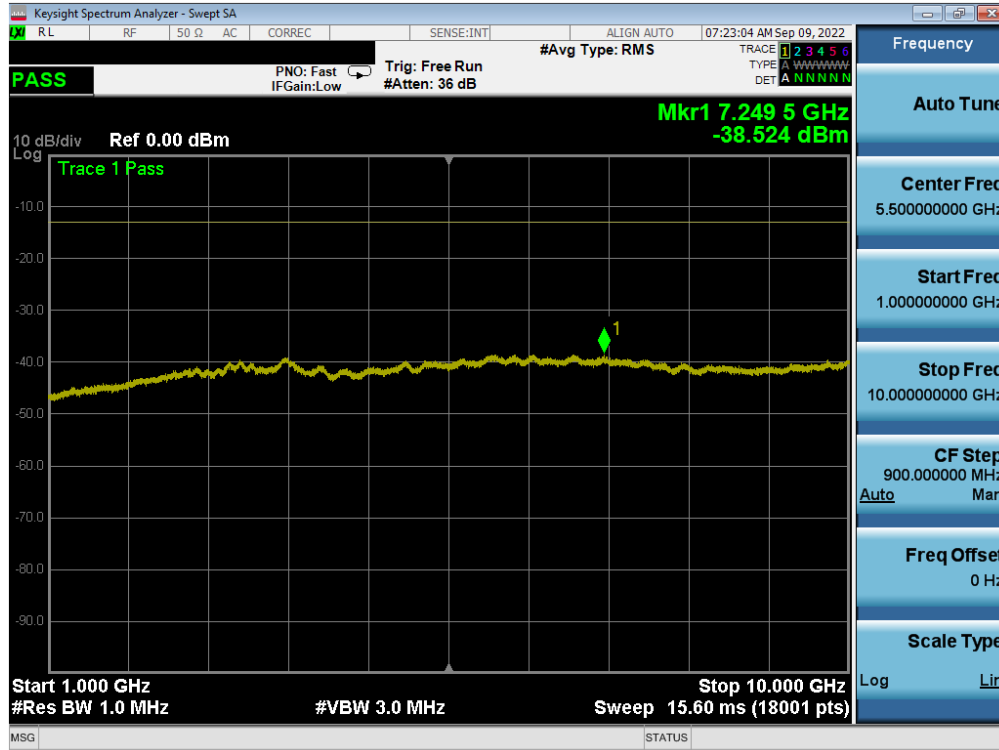


Plot 7-123. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 84 of 316                    |



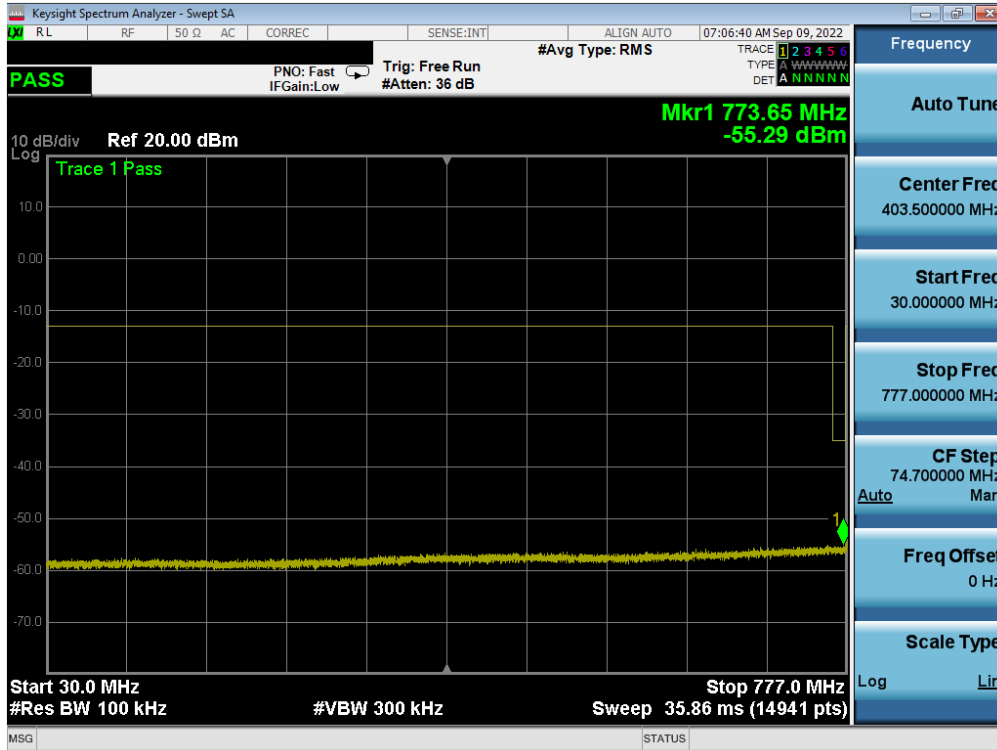




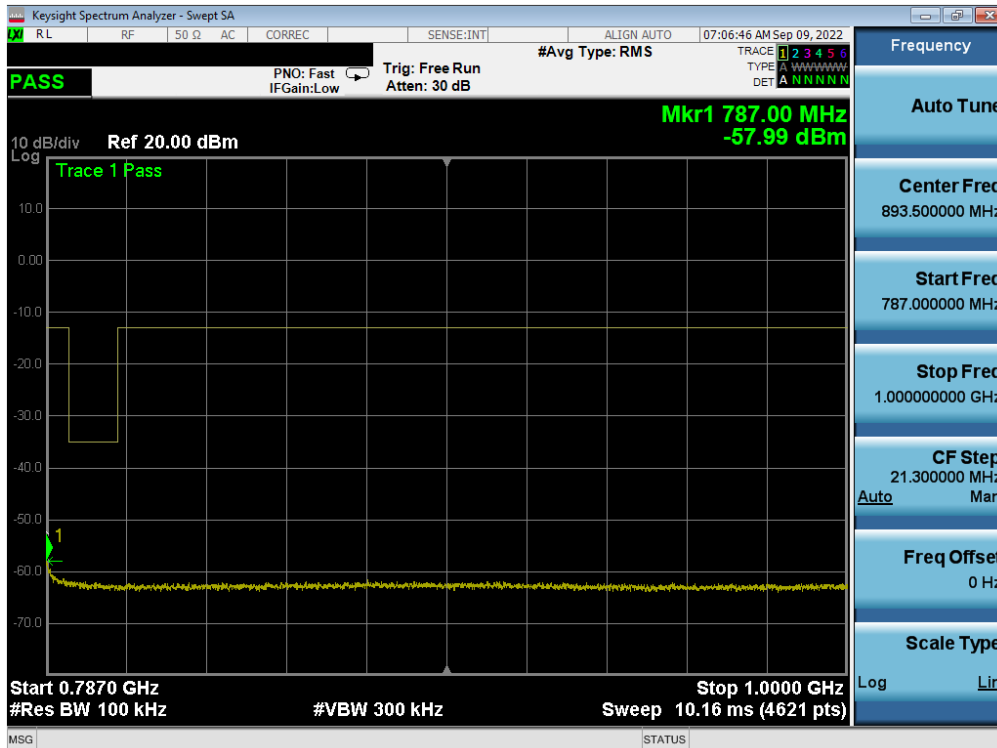
Plot 7-126. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 86 of 316                    |

## LTE Band 13 – Ant A

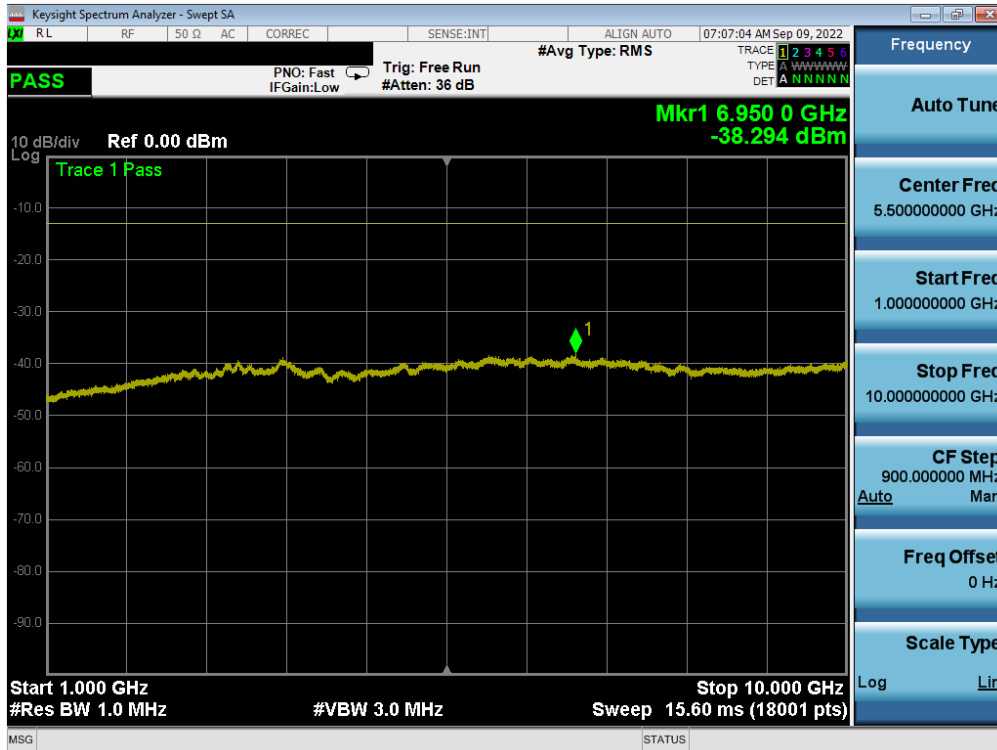


Plot 7-127. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)



Plot 7-128. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)

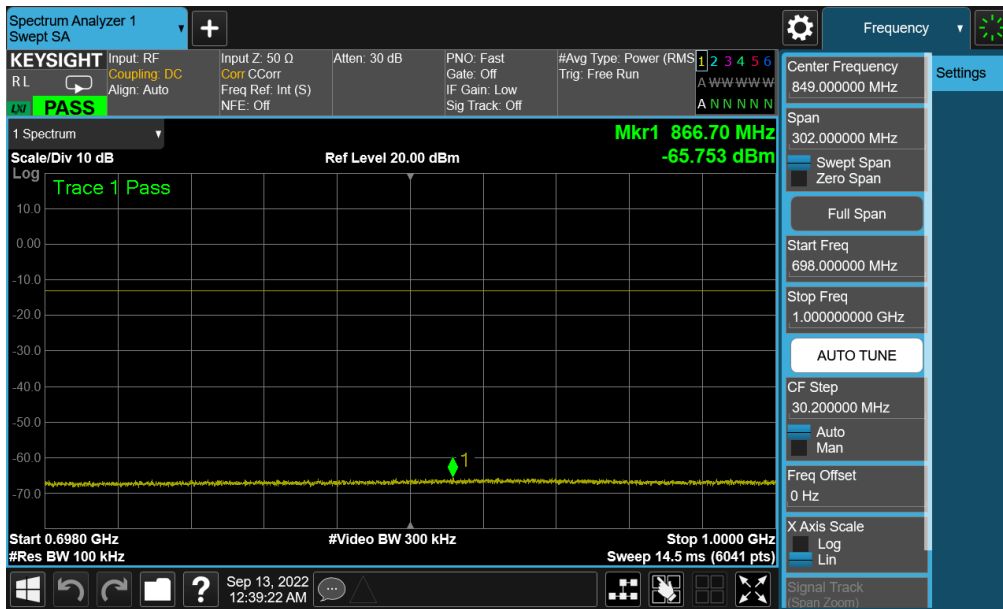
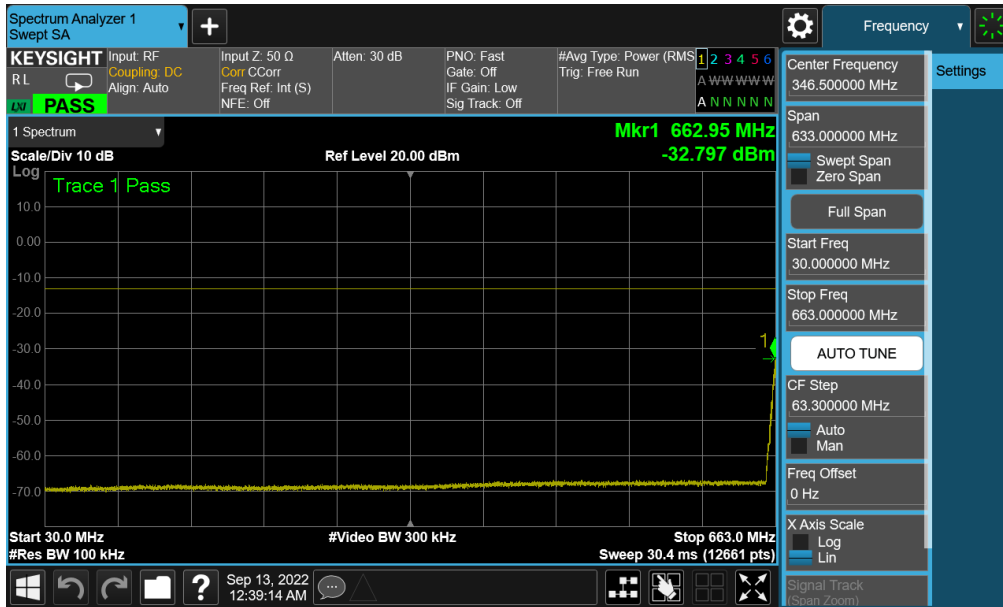
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 87 of 316                    |



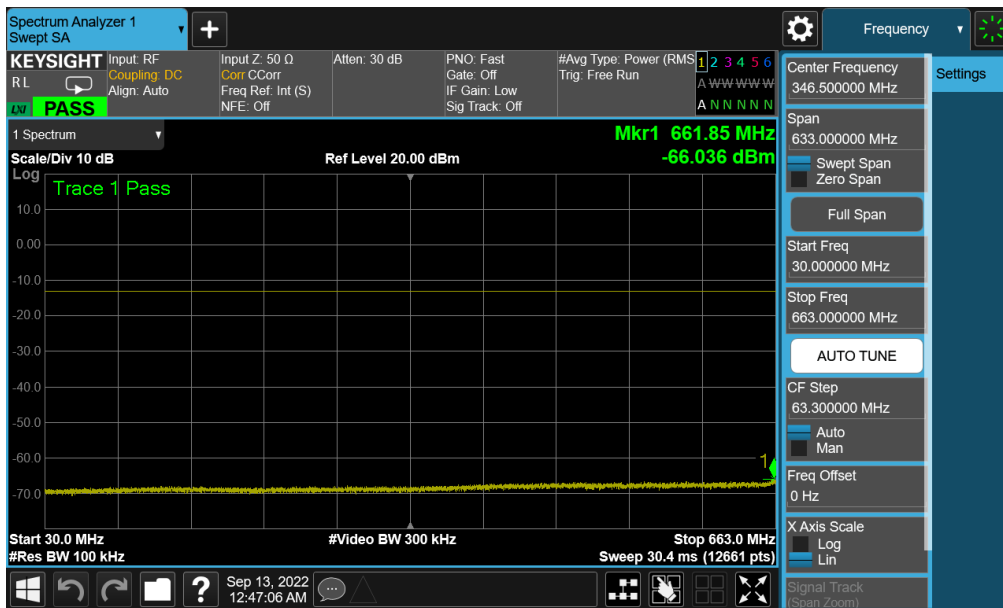
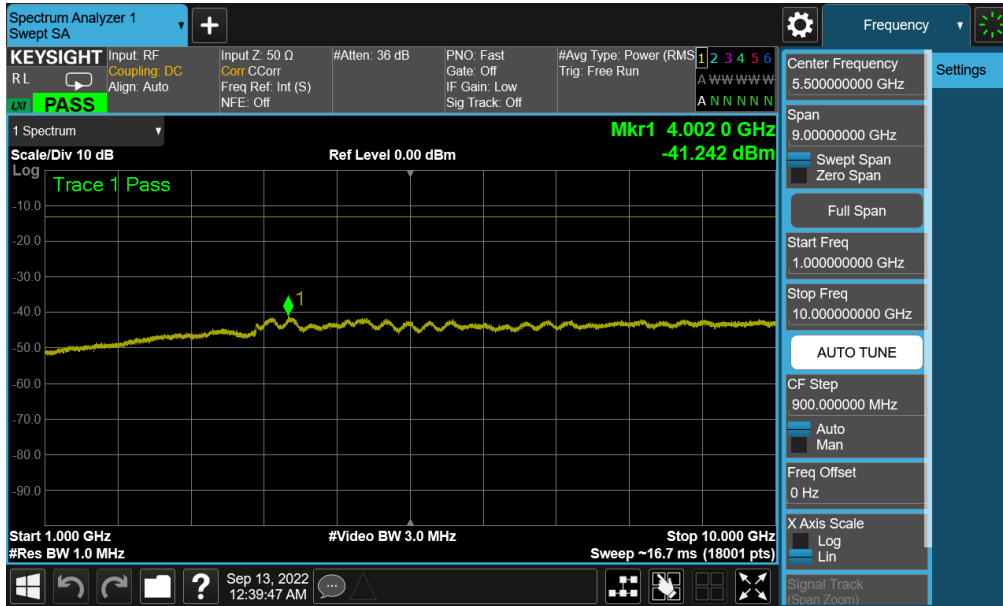
Plot 7-129. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 88 of 316                    |

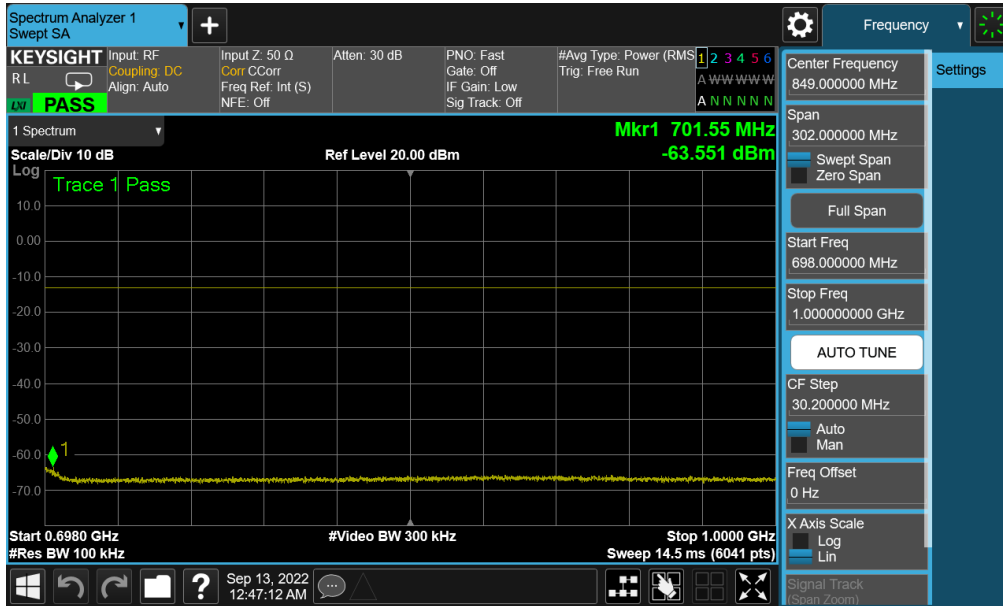
## NR Band n71 – Ant A



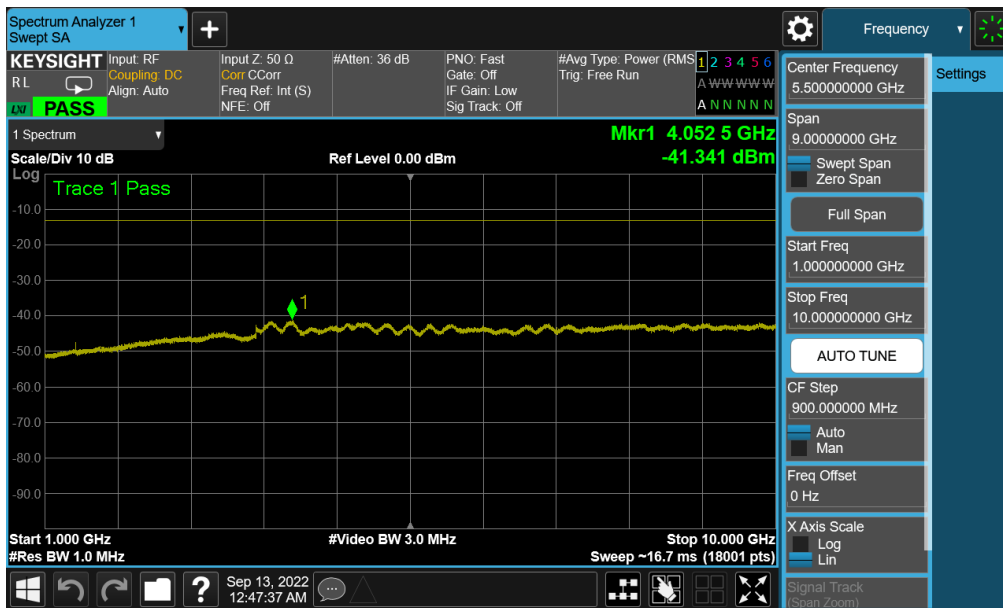
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 89 of 316                    |



|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 90 of 316                    |

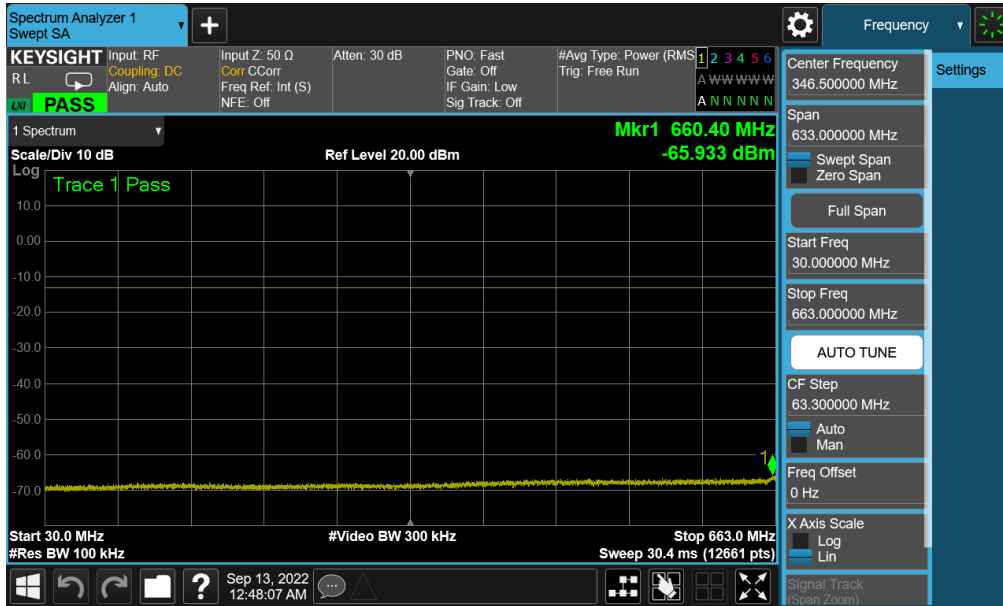


Plot 7-134. Conducted Spurious Plot (NR Band n71 - 20.0MHz - 1 RB - Mid Channel - Ant A)

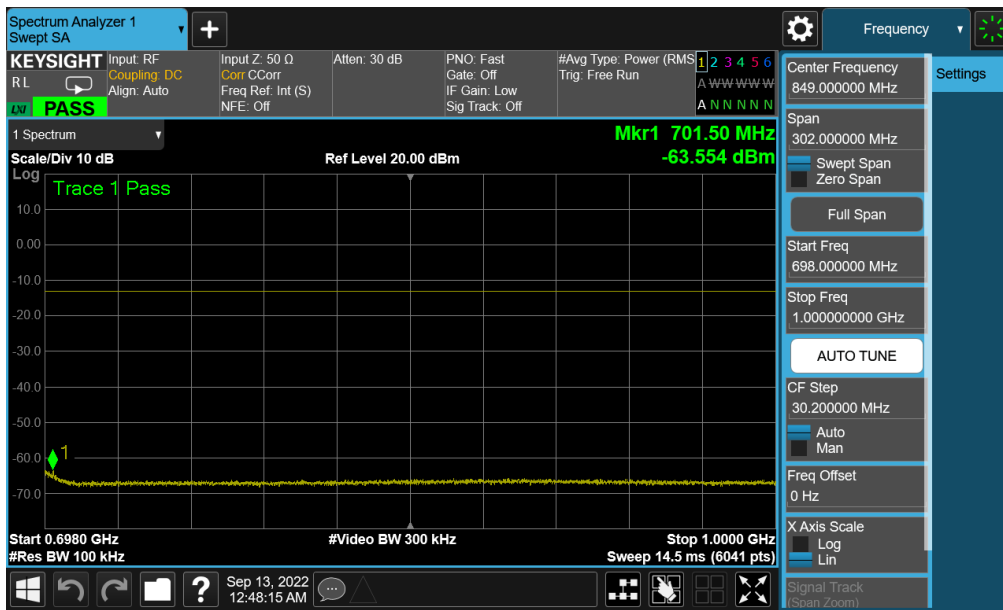


Plot 7-135. Conducted Spurious Plot (NR Band n71 - 20.0MHz - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 91 of 316                    |



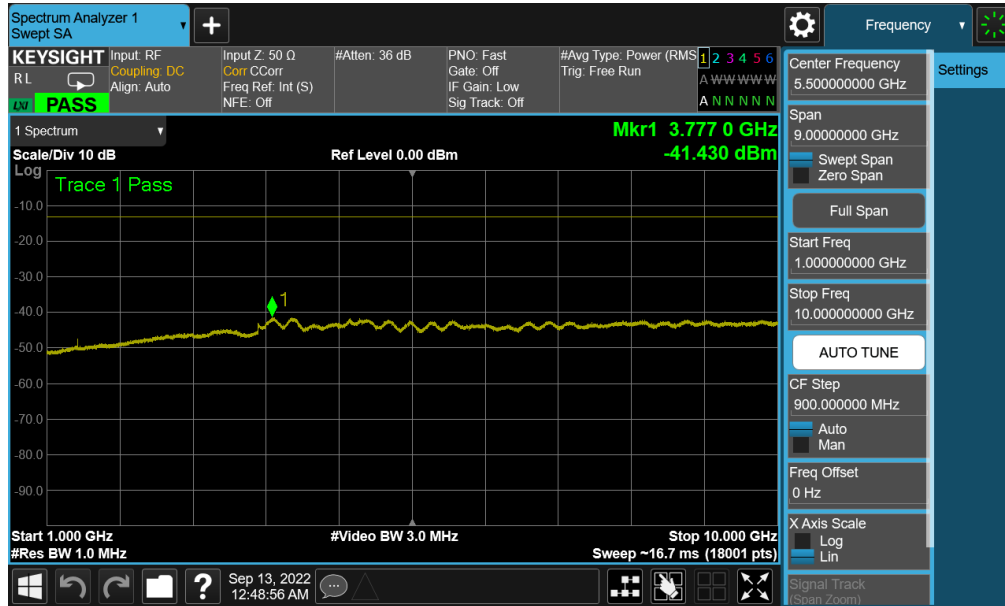
Plot 7-136. Conducted Spurious Plot (NR Band n71 - 20.0MHz - 1 RB - High Channel - Ant A)



Plot 7-137. Conducted Spurious Plot (NR Band n71 - 20.0MHz - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 92 of 316                    |

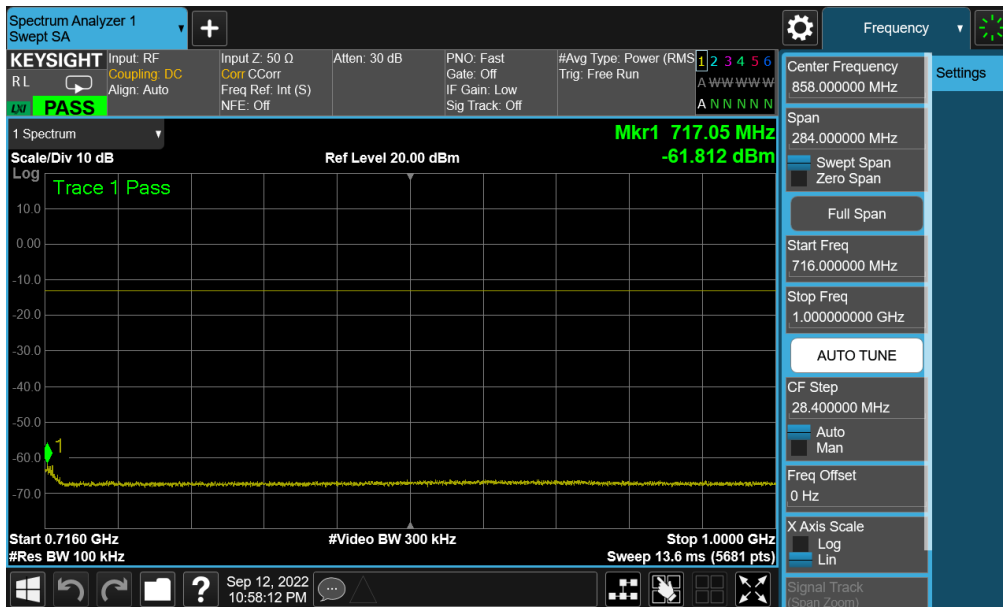
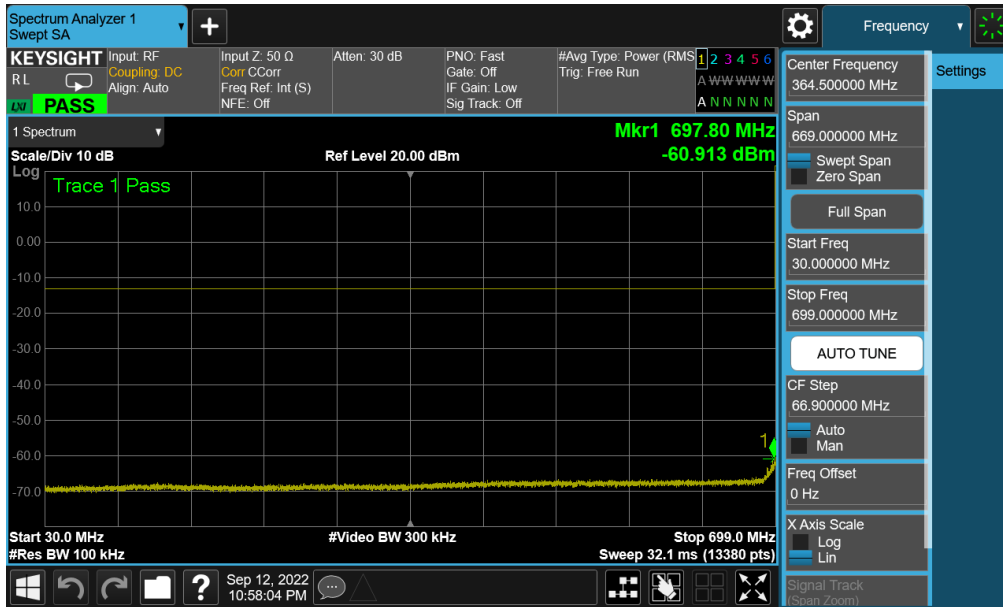




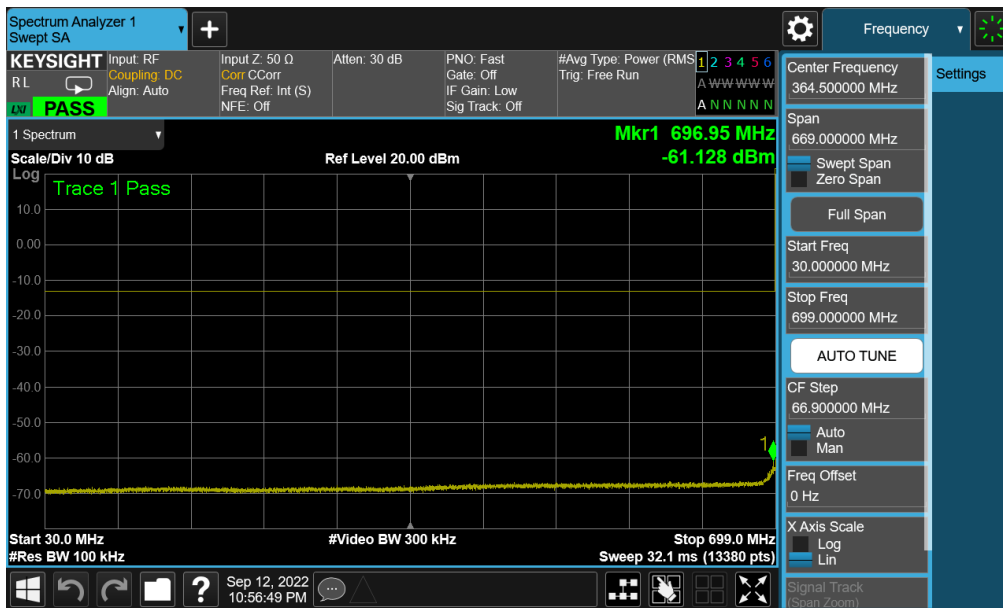
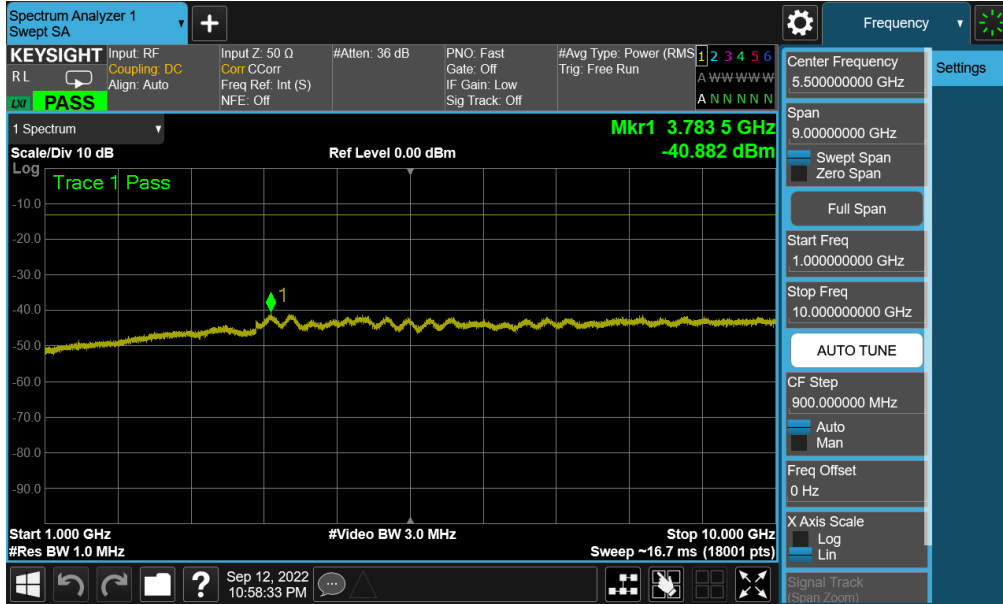
Plot 7-138. Conducted Spurious Plot (NR Band n71 - 20.0MHz - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 93 of 316                    |

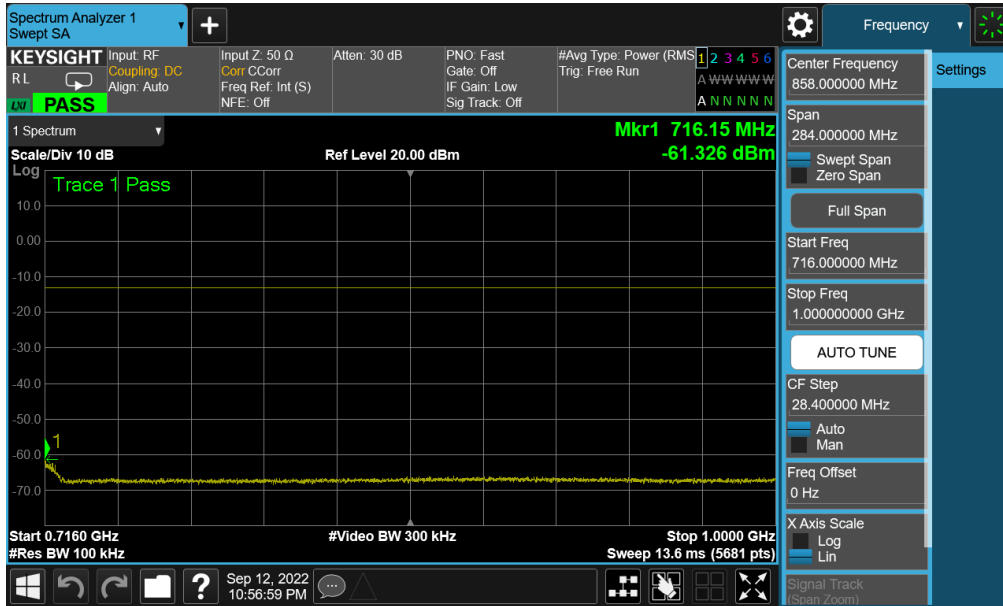
## NR Band n12 – Ant A



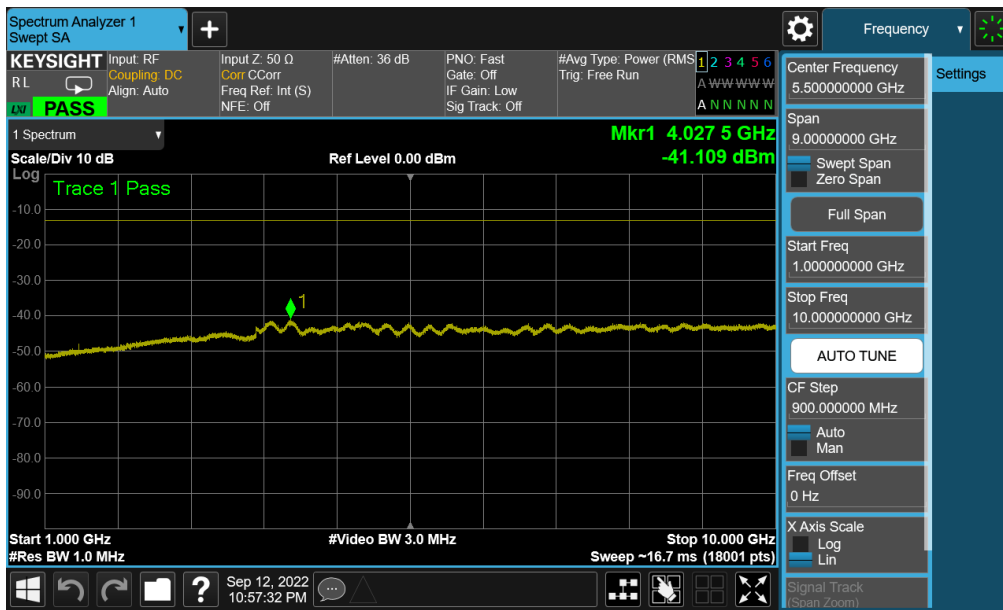
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 94 of 316                    |



|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 95 of 316                    |

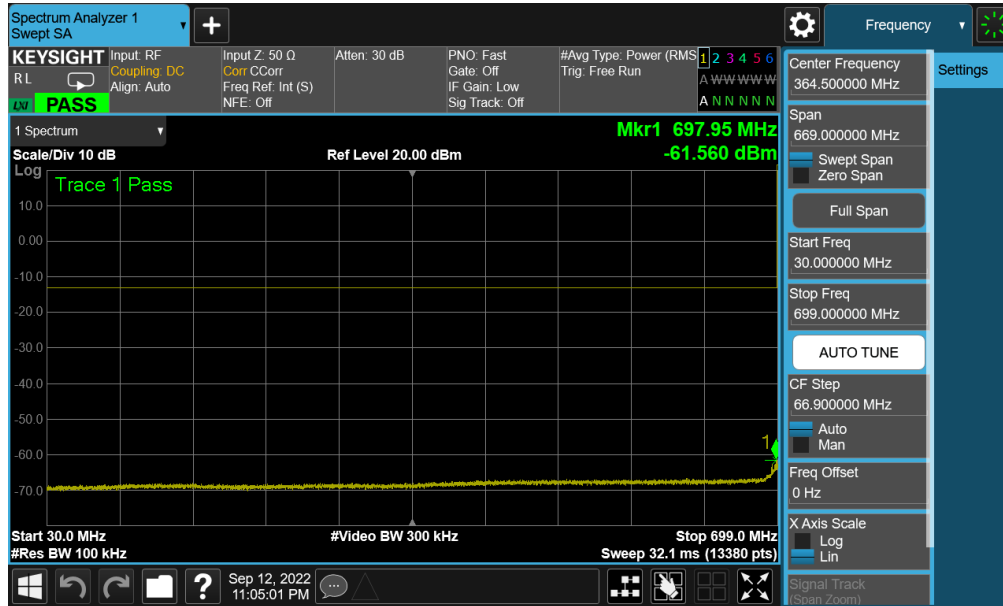


Plot 7-143. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Mid Channel - Ant A)

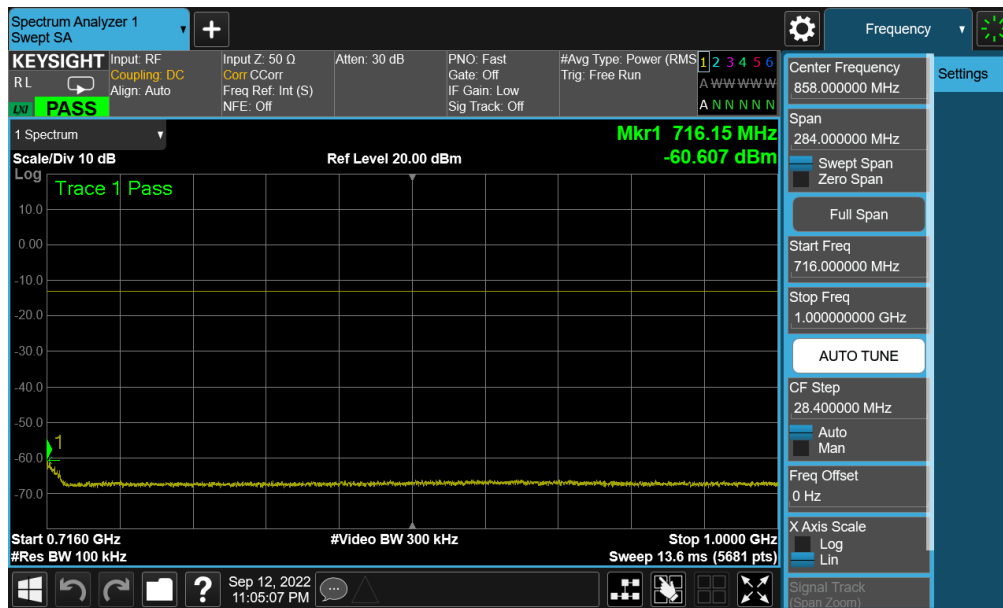


Plot 7-144. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 96 of 316                    |

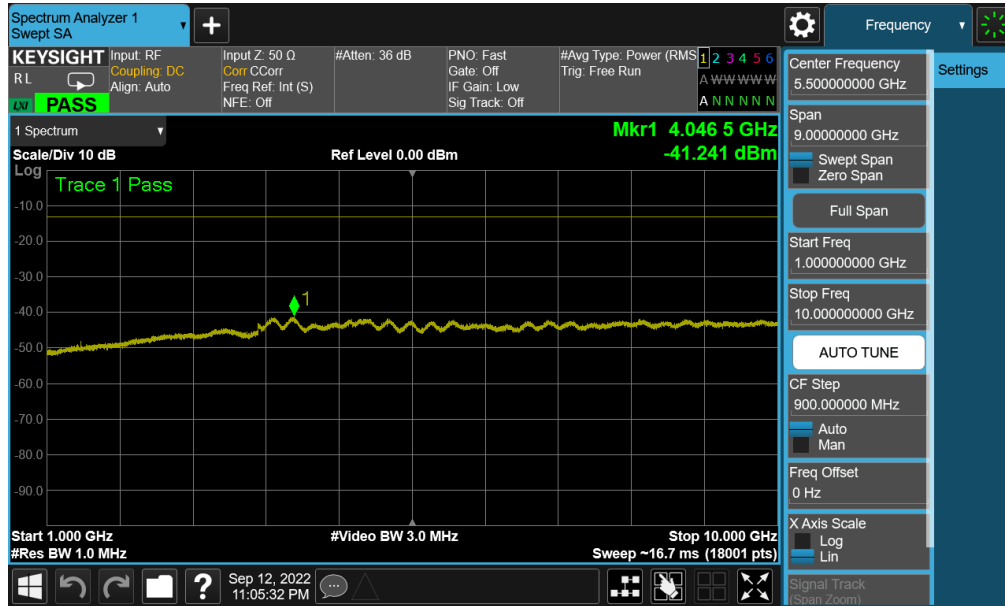


Plot 7-145. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)



Plot 7-146. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)

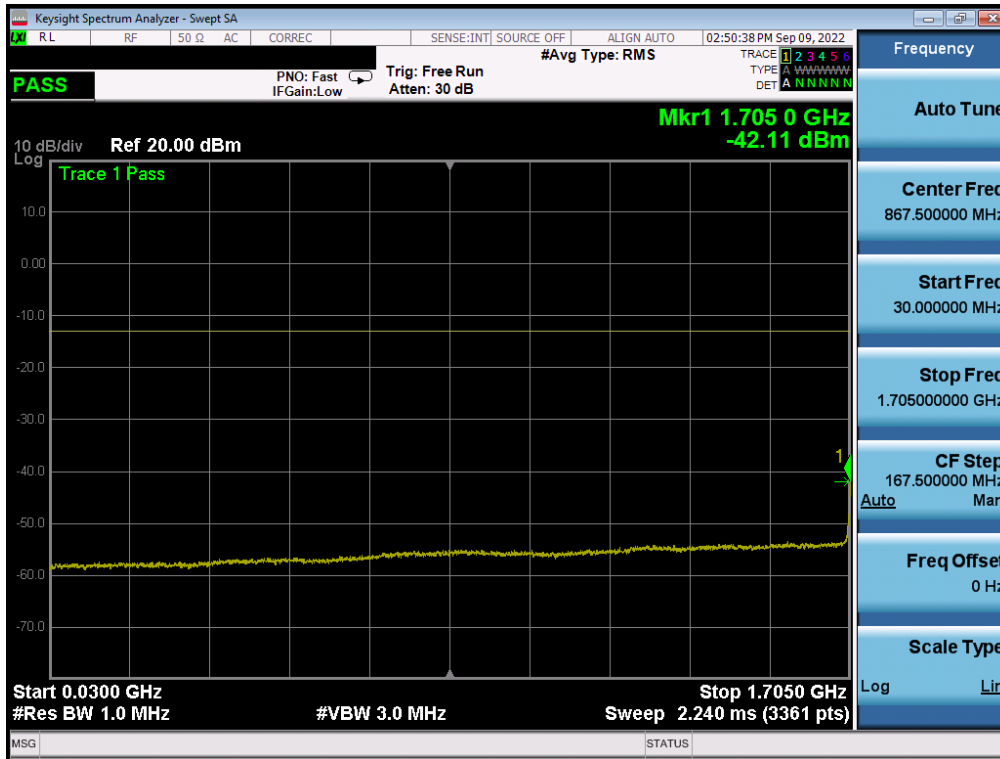
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 97 of 316                    |



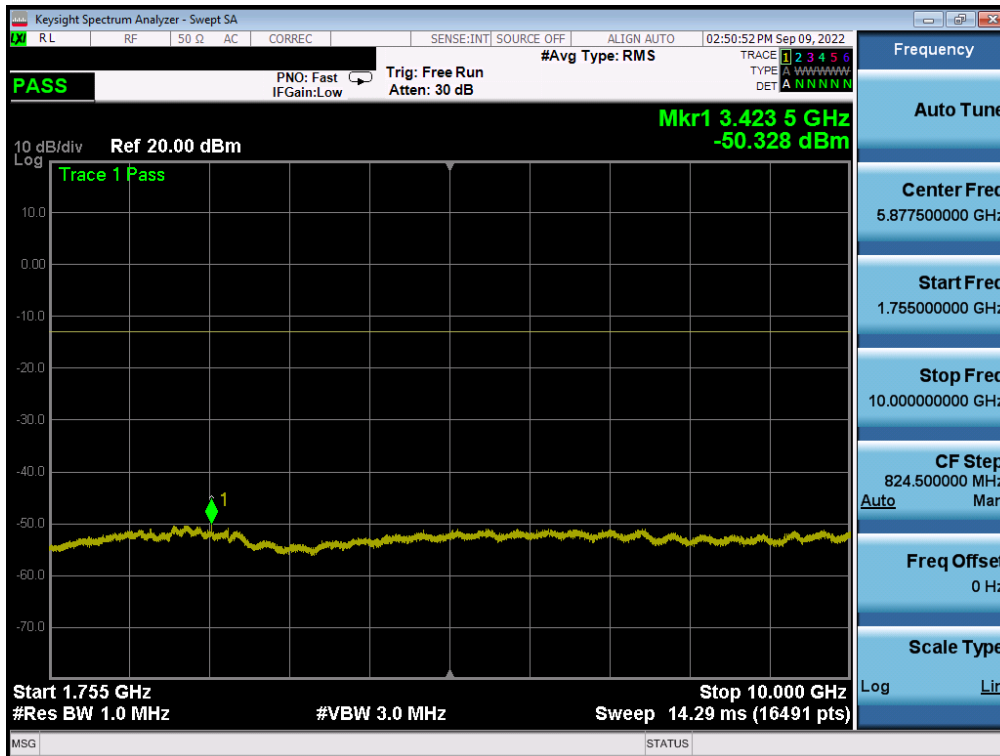
Plot 7-147. Conducted Spurious Plot (NR Band n12 - 15.0MHz - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 98 of 316                    |

# WCDMA AWS – Ant A

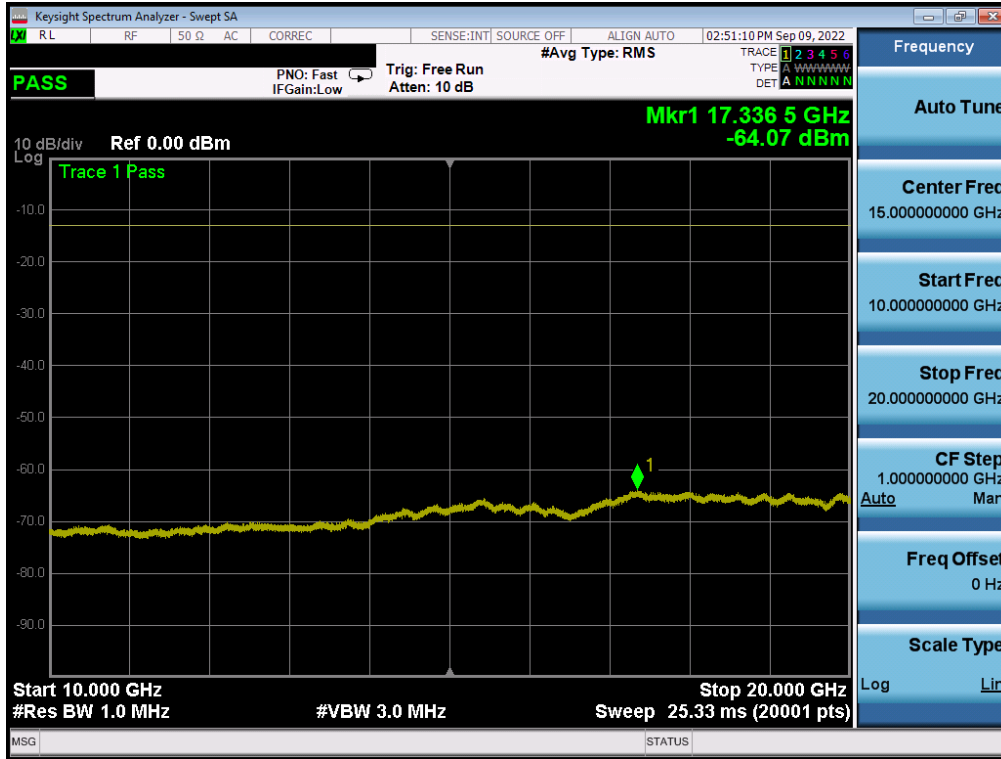


Plot 7-148. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel - Ant A)

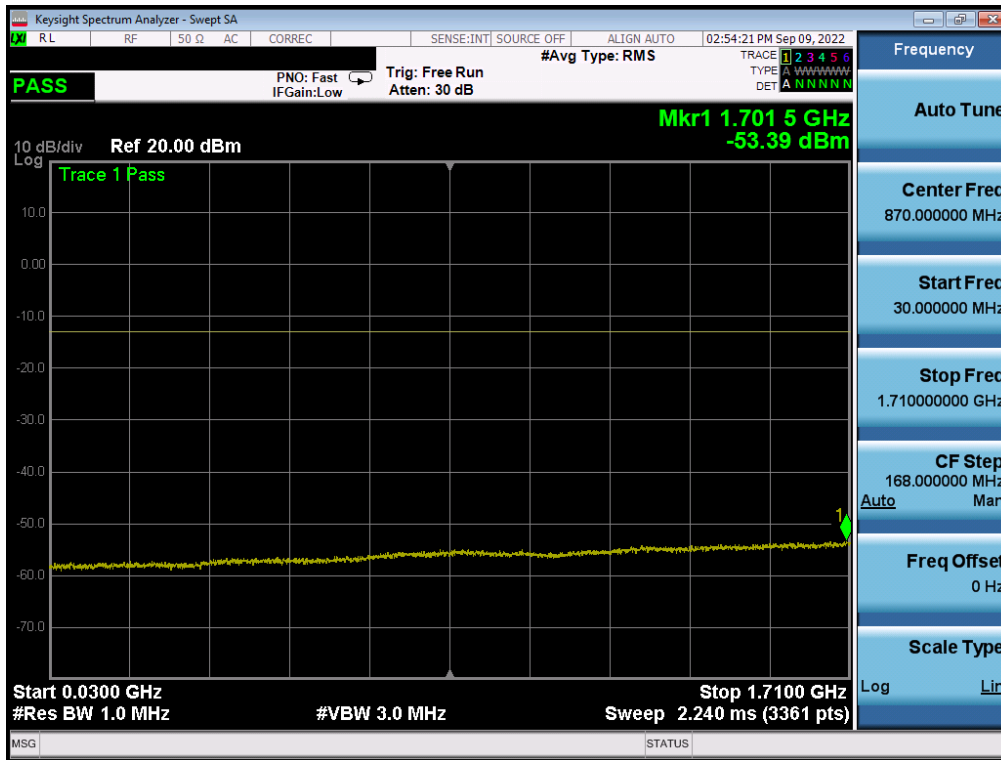


Plot 7-149. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 99 of 316                    |



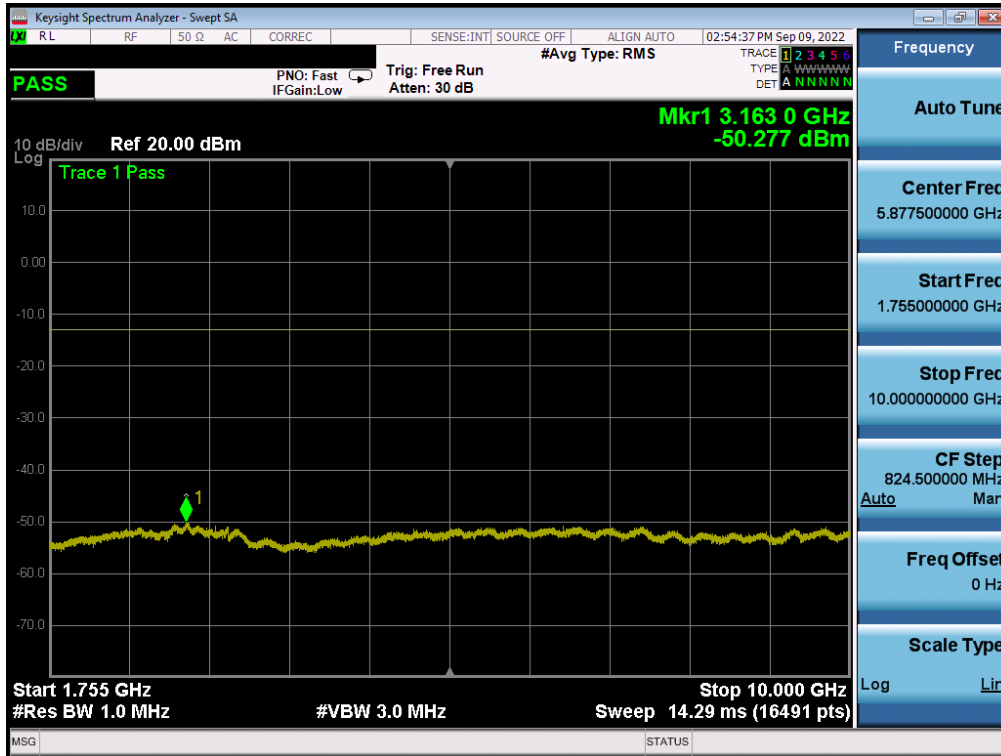
Plot 7-150. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel - Ant A)



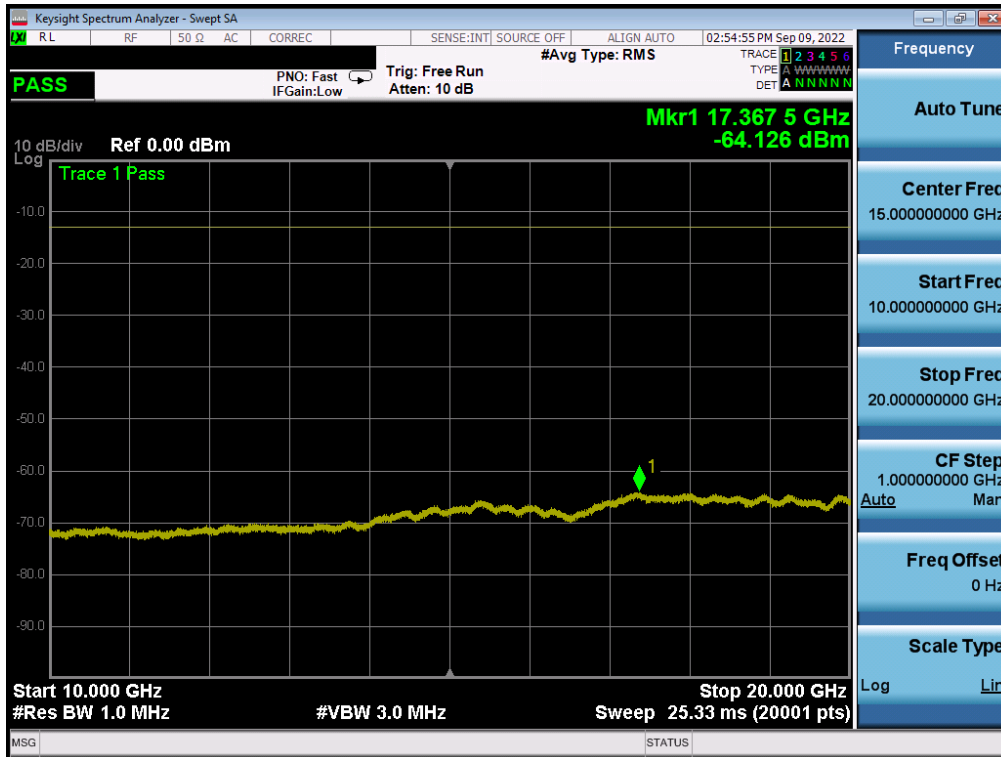
Plot 7-151. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 100 of 316                   |



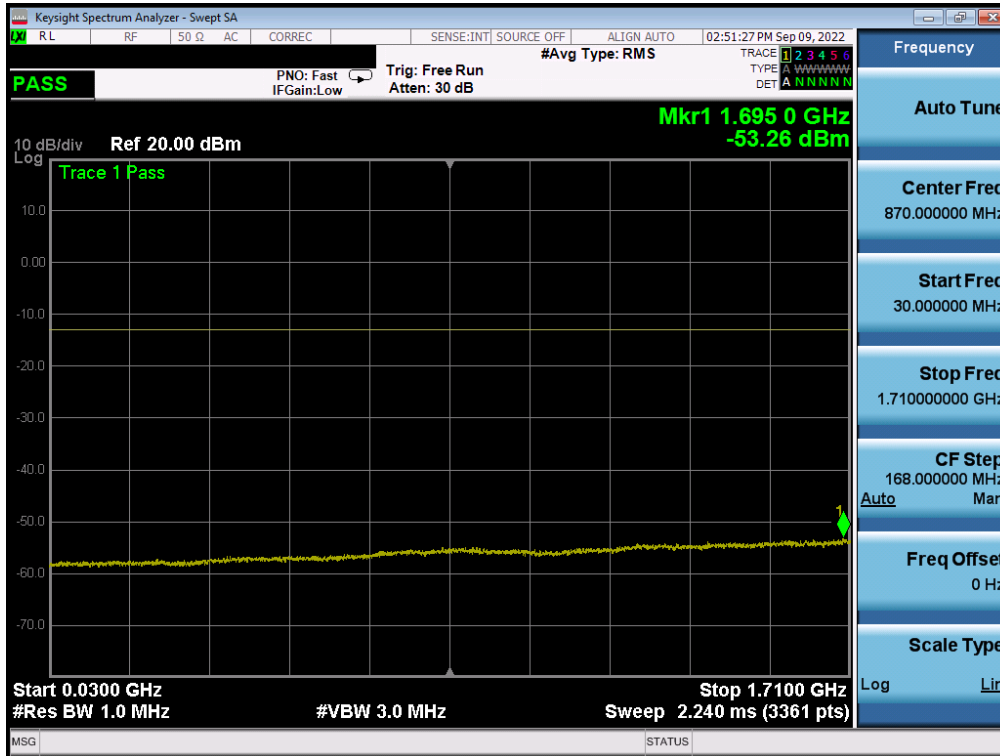


Plot 7-152. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel - Ant A)

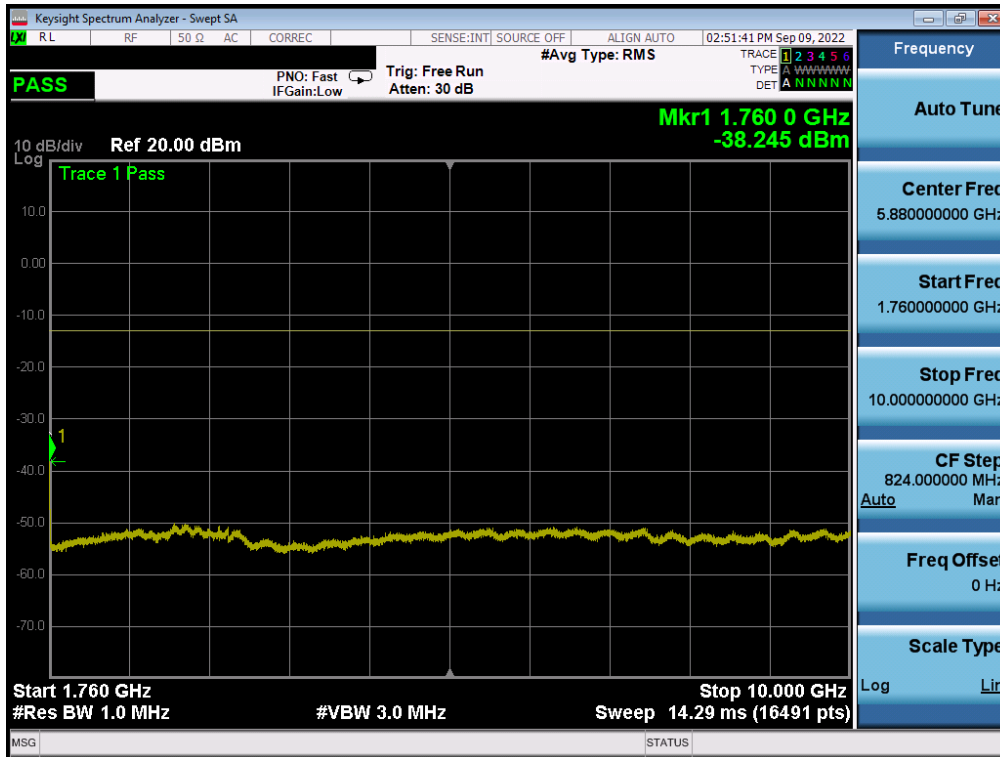


Plot 7-153. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 101 of 316                   |

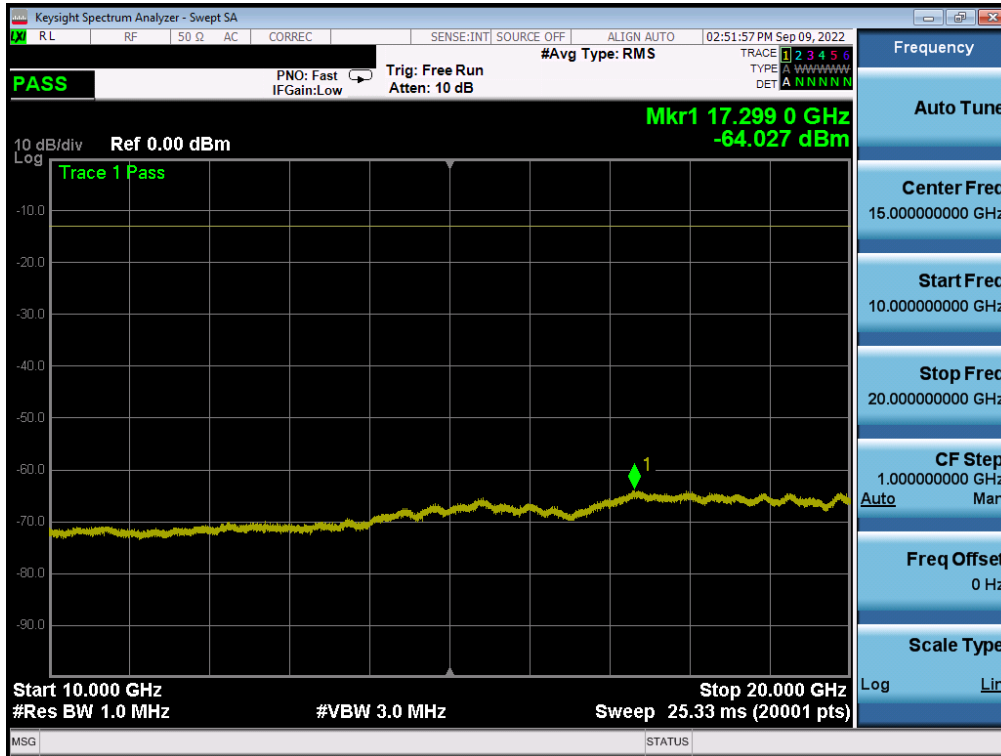


Plot 7-154. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel - Ant A)



Plot 7-155. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel - Ant A)

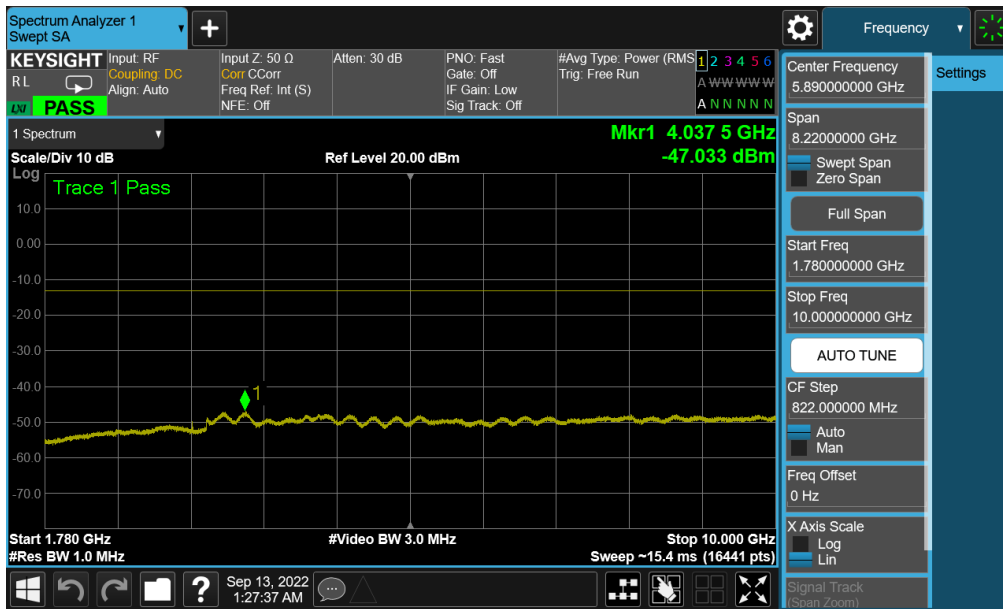
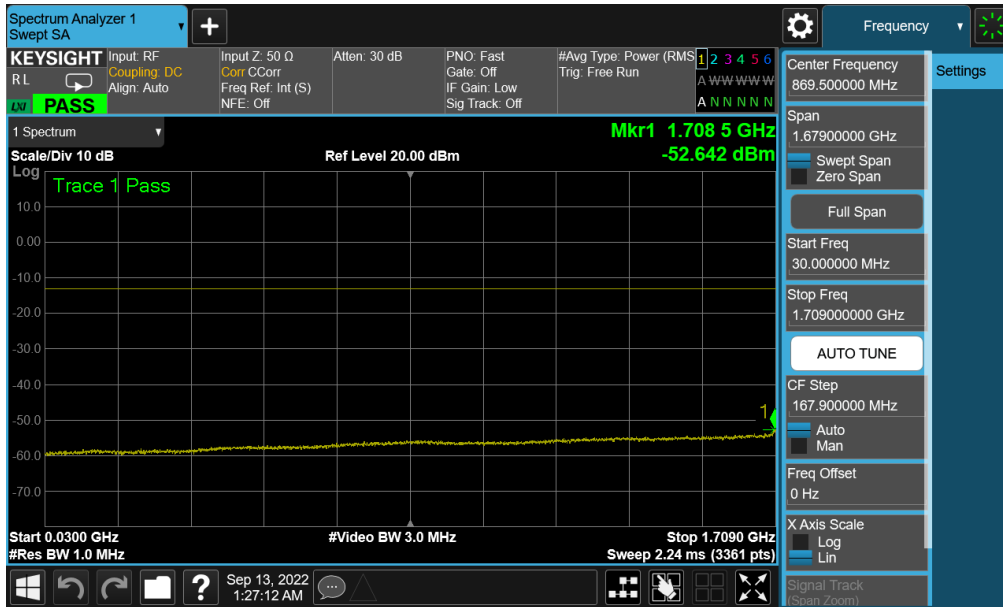
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 102 of 316                   |



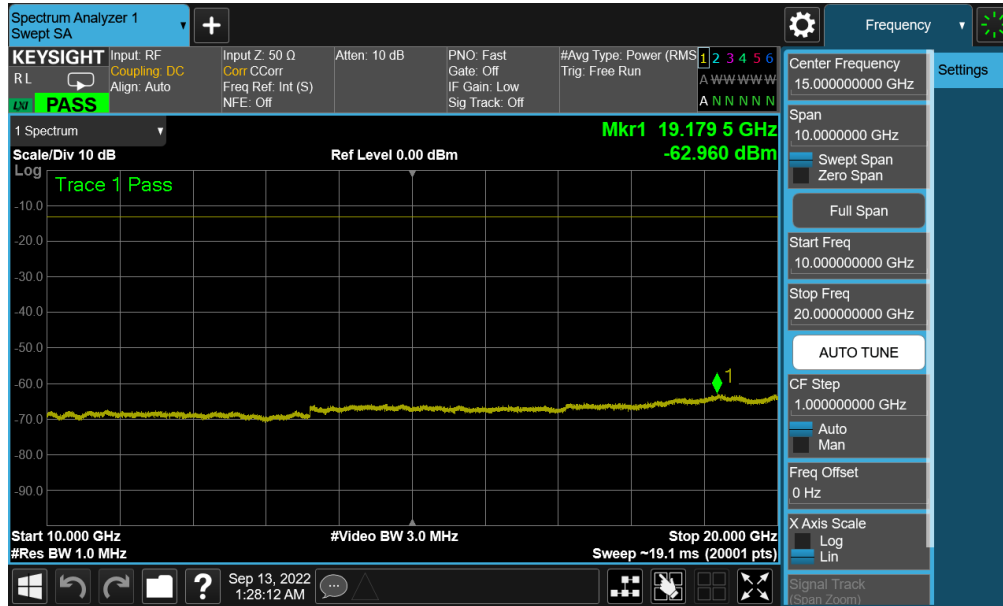
Plot 7-156. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 103 of 316                   |

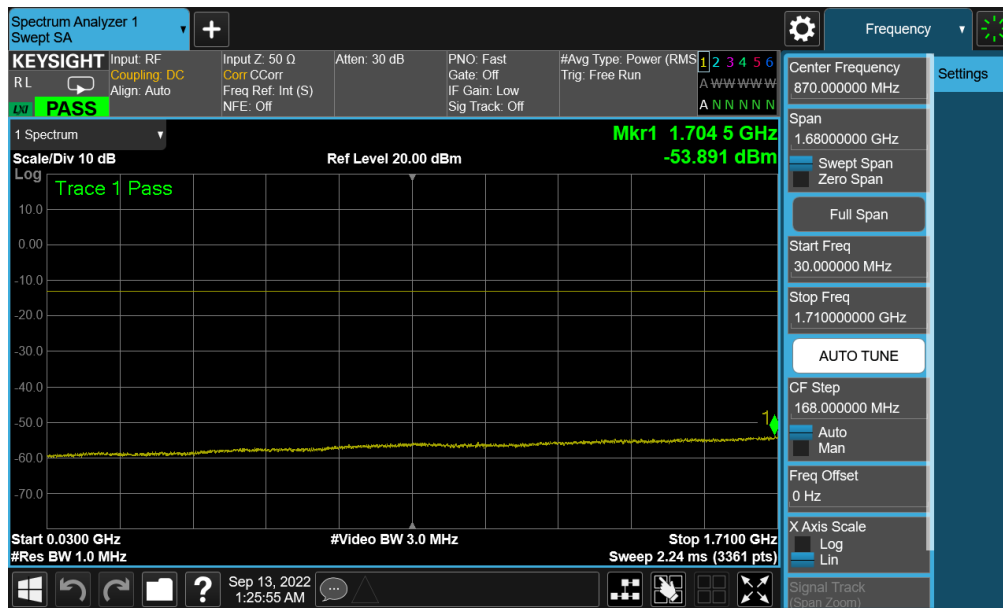
### LTE Band 66/4 – Ant A



|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 104 of 316                   |

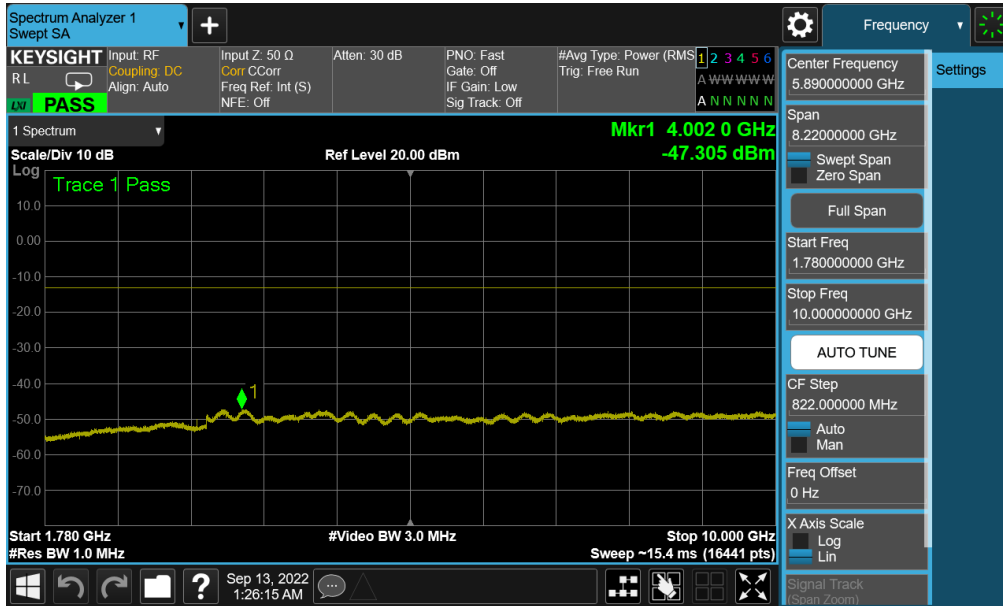


Plot 7-159. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel – Ant A)

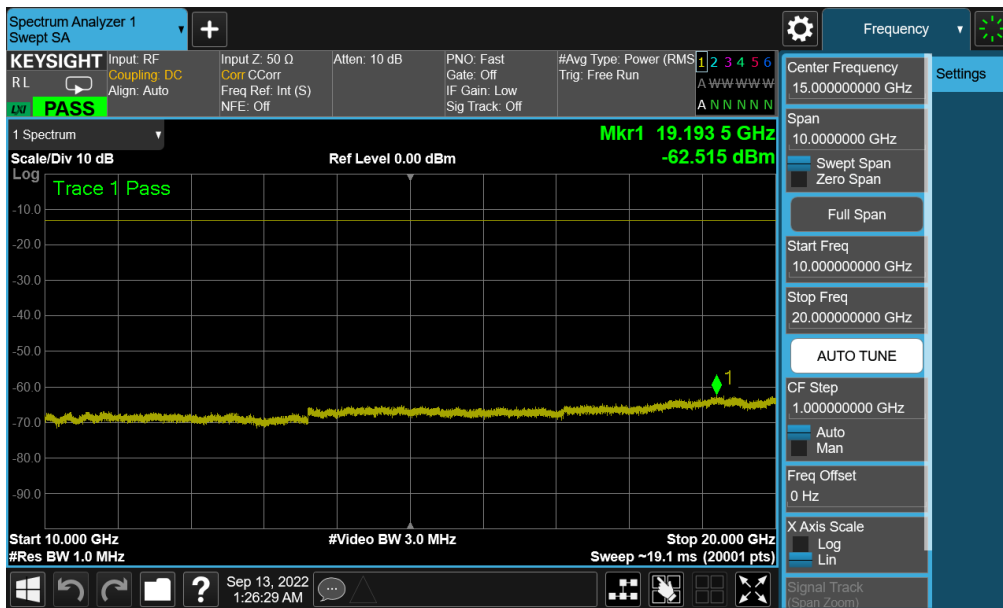


Plot 7-160. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 105 of 316                   |



Plot 7-161. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant A)

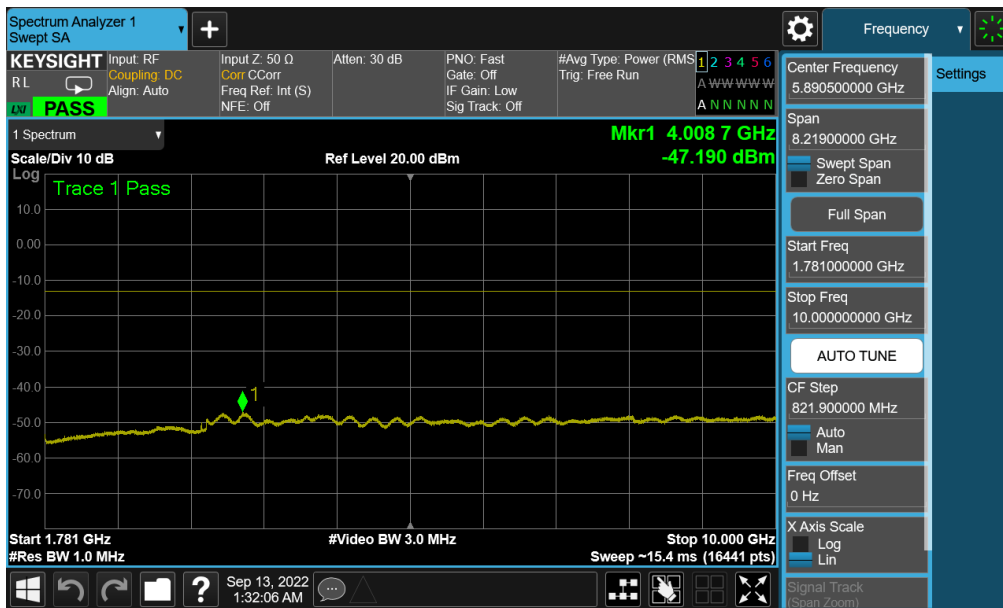


Plot 7-162. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 106 of 316                   |

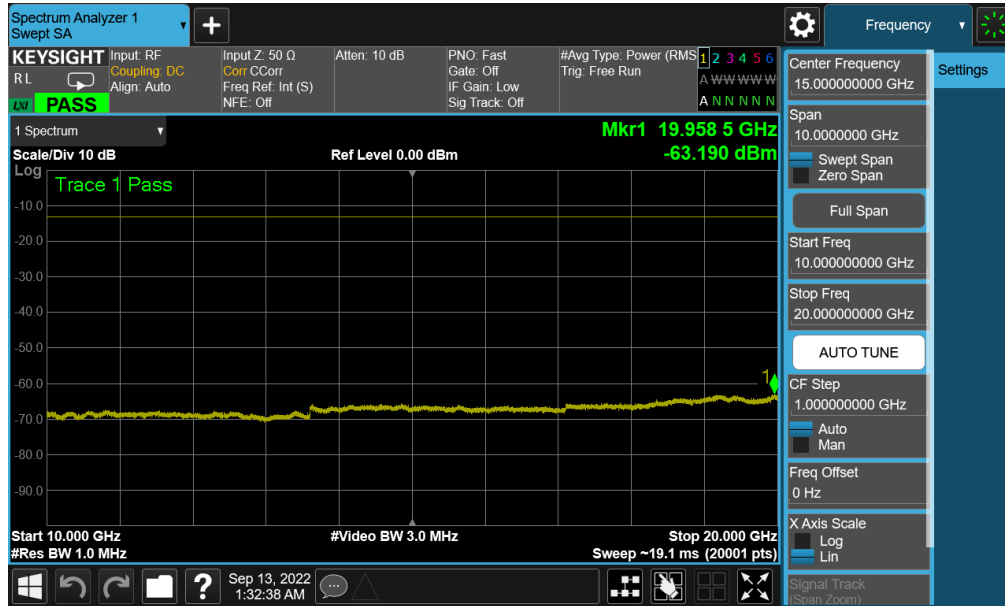


Plot 7-163. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant A)



Plot 7-164. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 107 of 316                   |

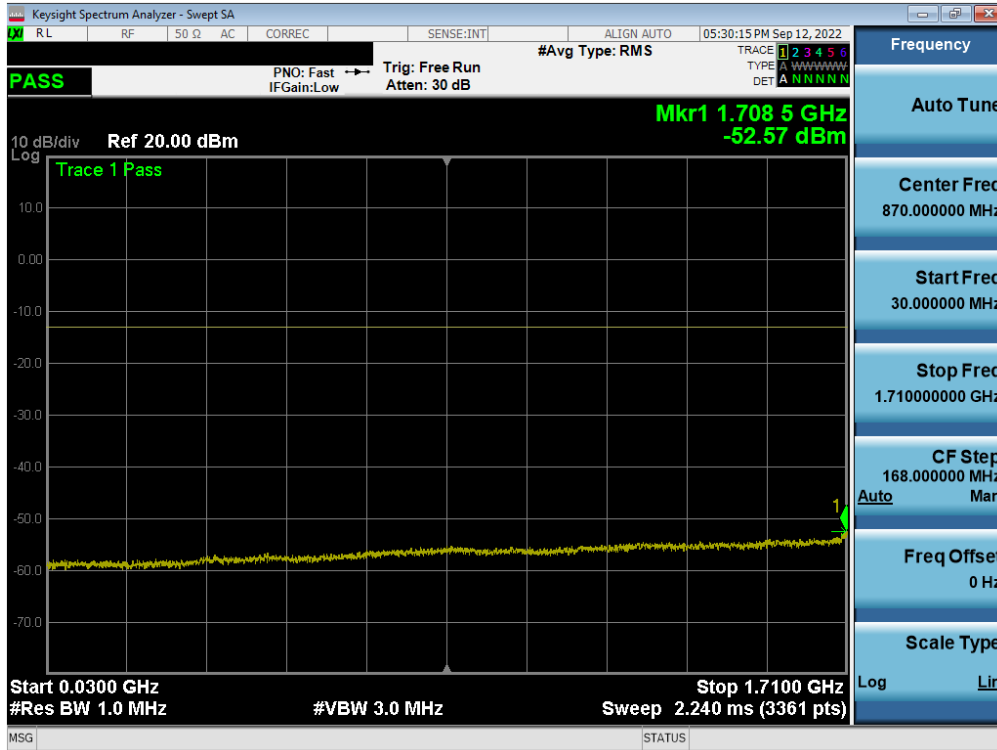


Plot 7-165. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant A)

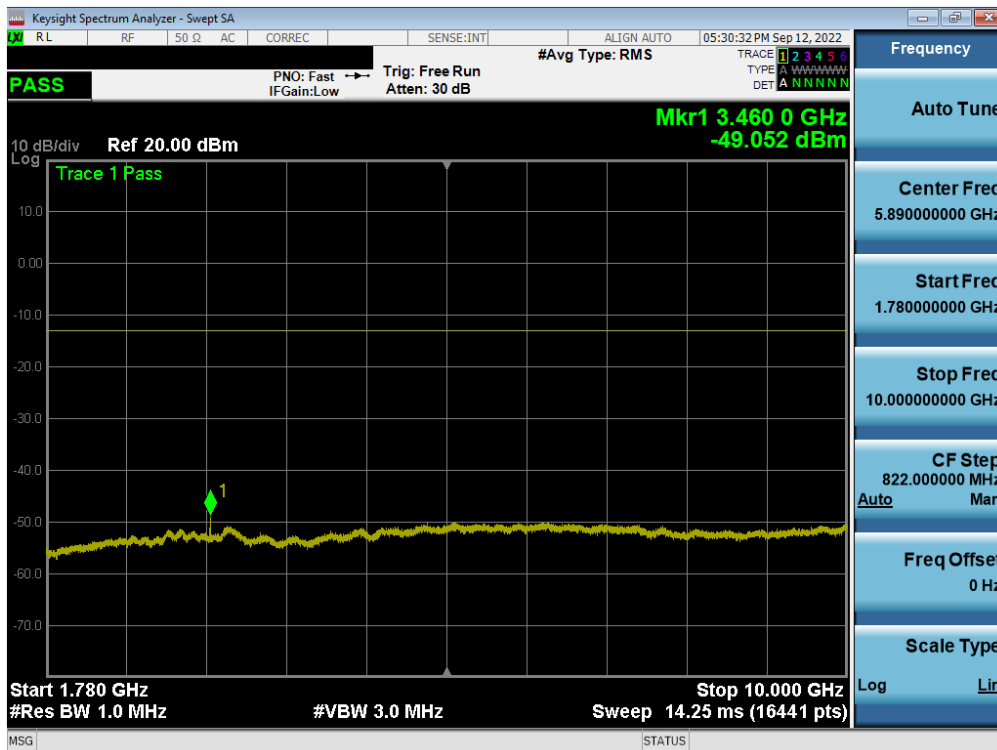
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 108 of 316                   |



## NR Band n66 – Ant A

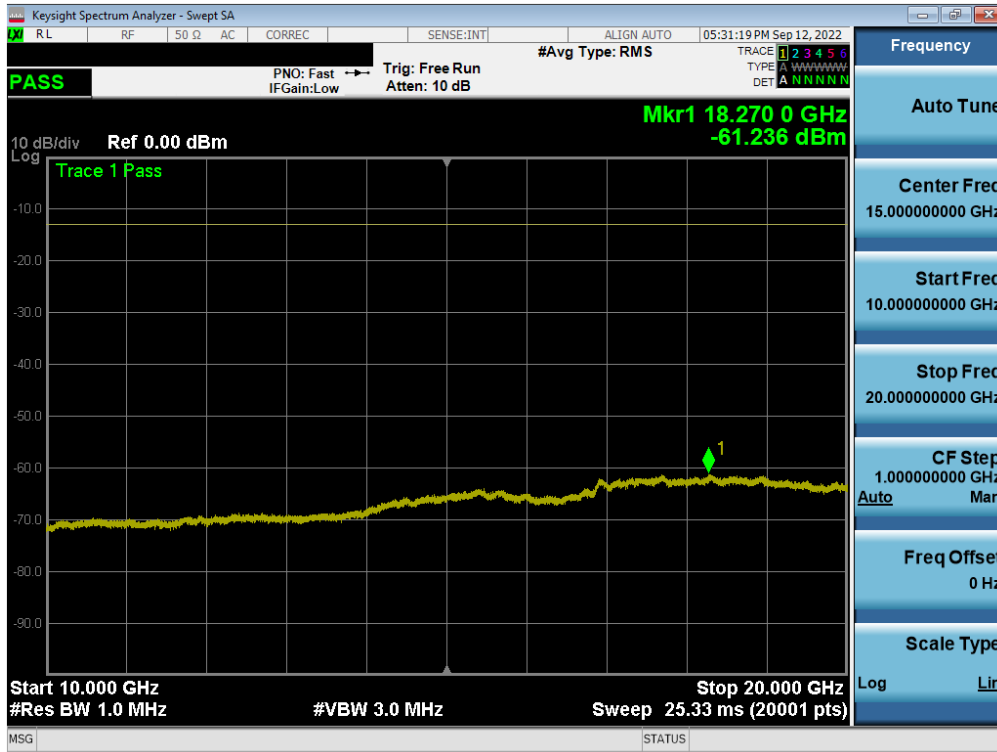


Plot 7-166. Conducted Spurious Plot (NR Band n66 -40.0MHz - 1 RB - Low Channel - Ant A)

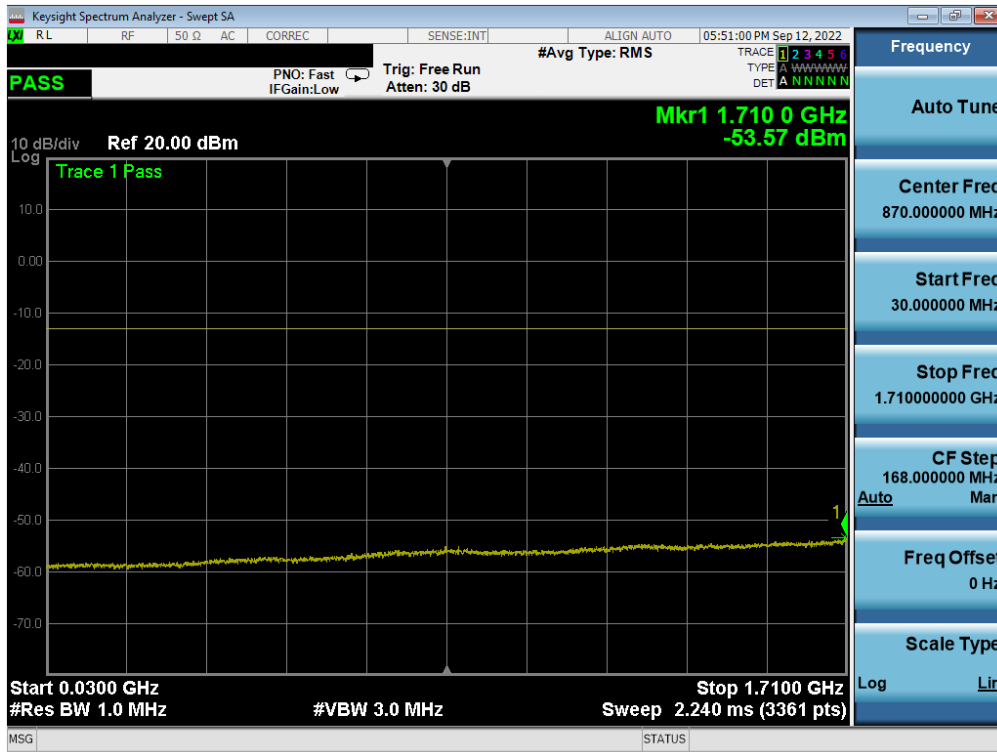


Plot 7-167. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 109 of 316                   |

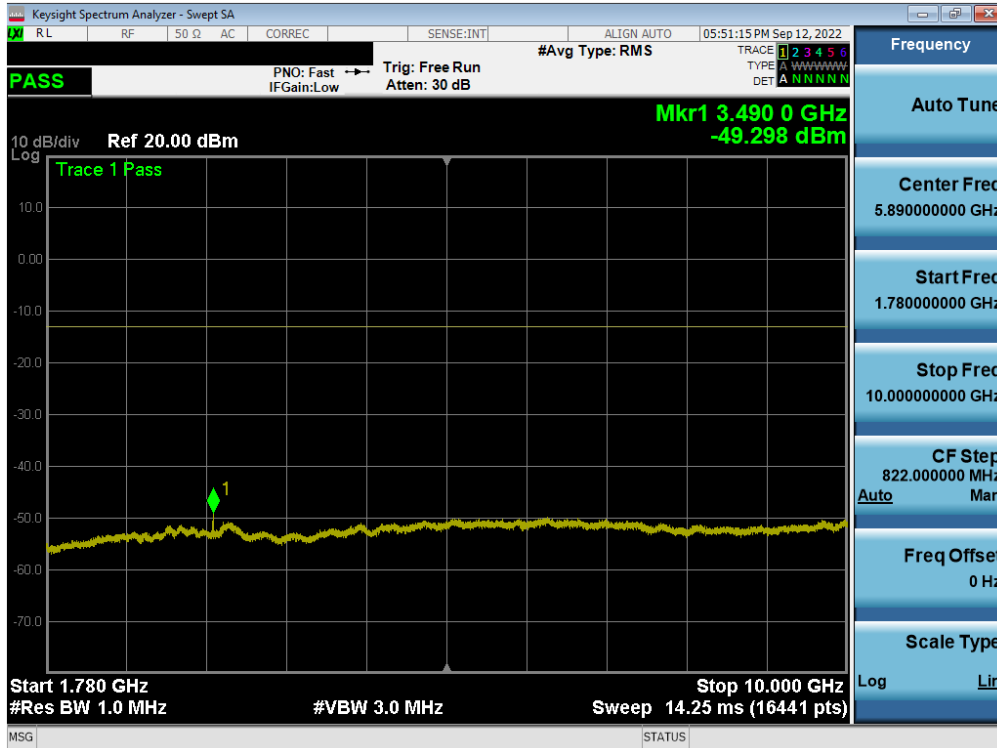


Plot 7-168. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Low Channel - Ant A)

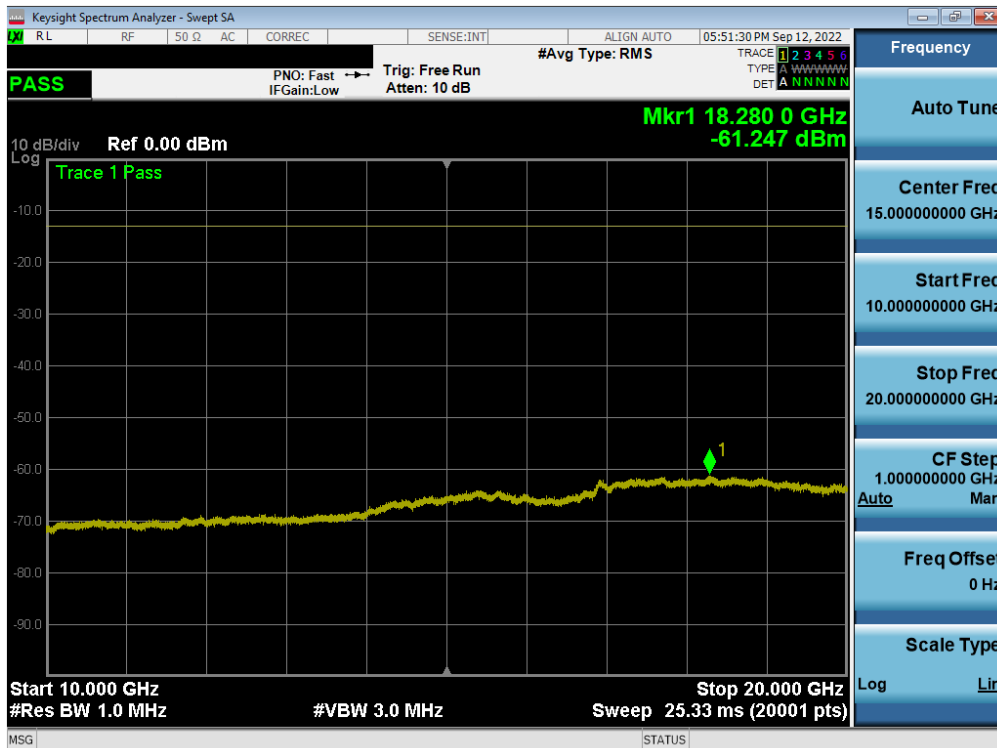


Plot 7-169. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 110 of 316                   |

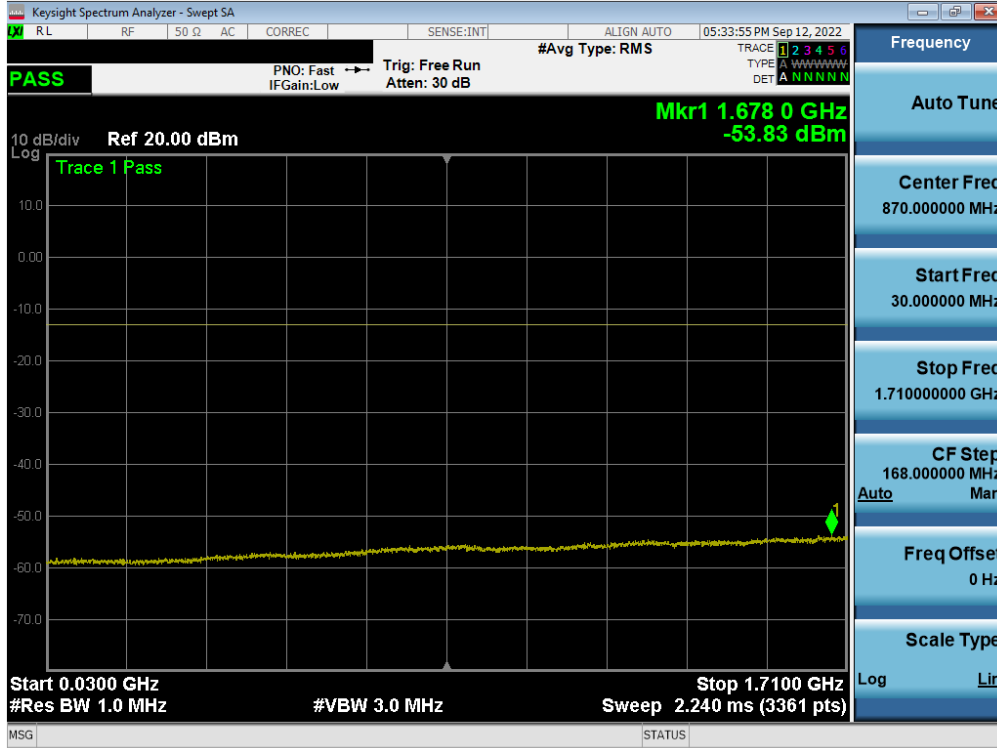


Plot 7-170. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant A)

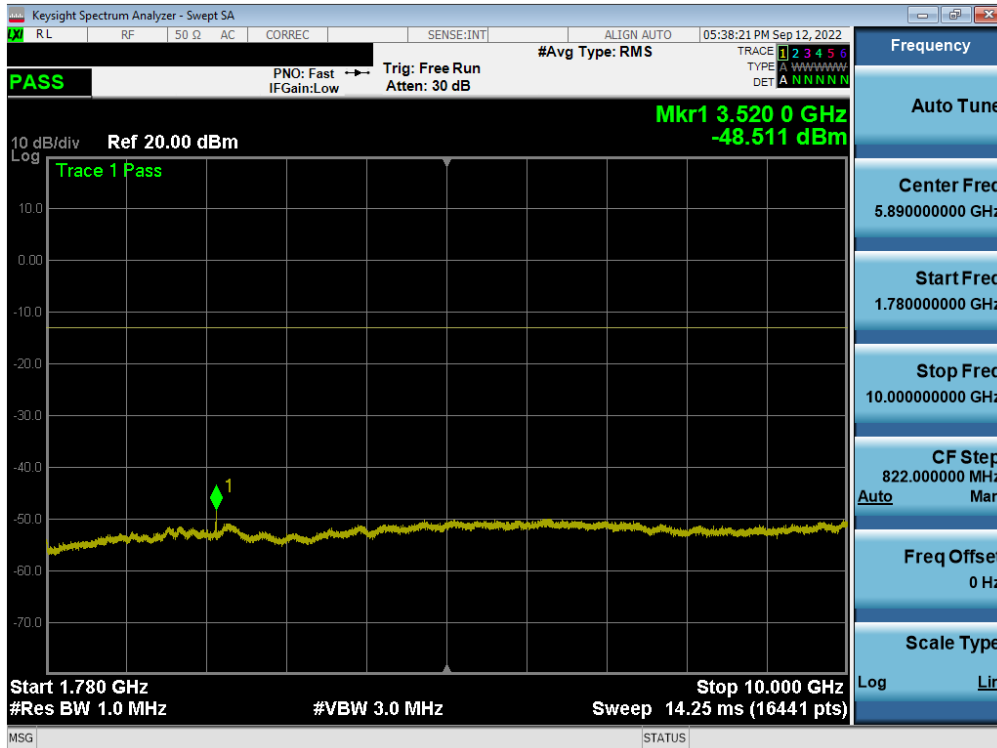


Plot 7-171. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 111 of 316                   |

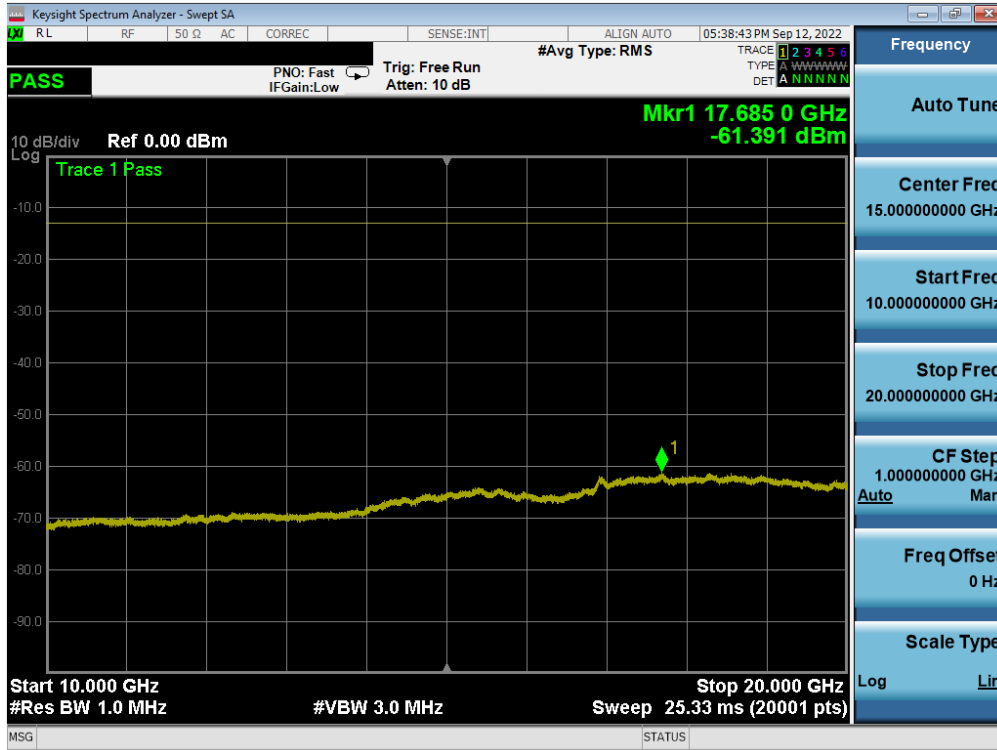


Plot 7-172. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant A)



Plot 7-173. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant A)

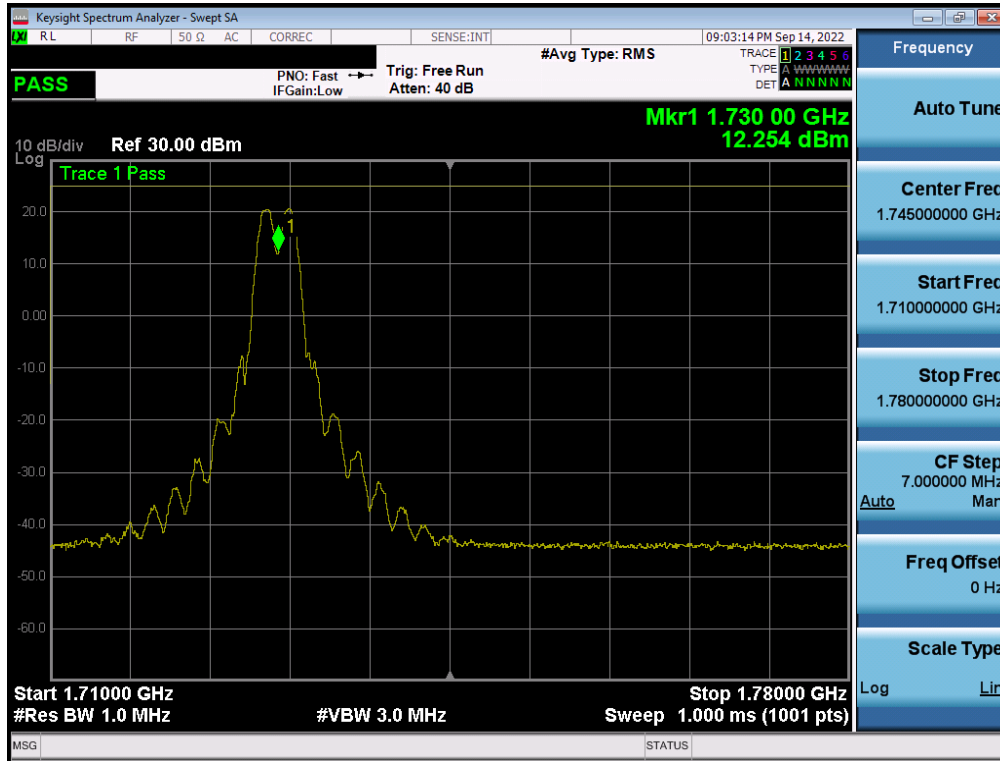
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 112 of 316                   |



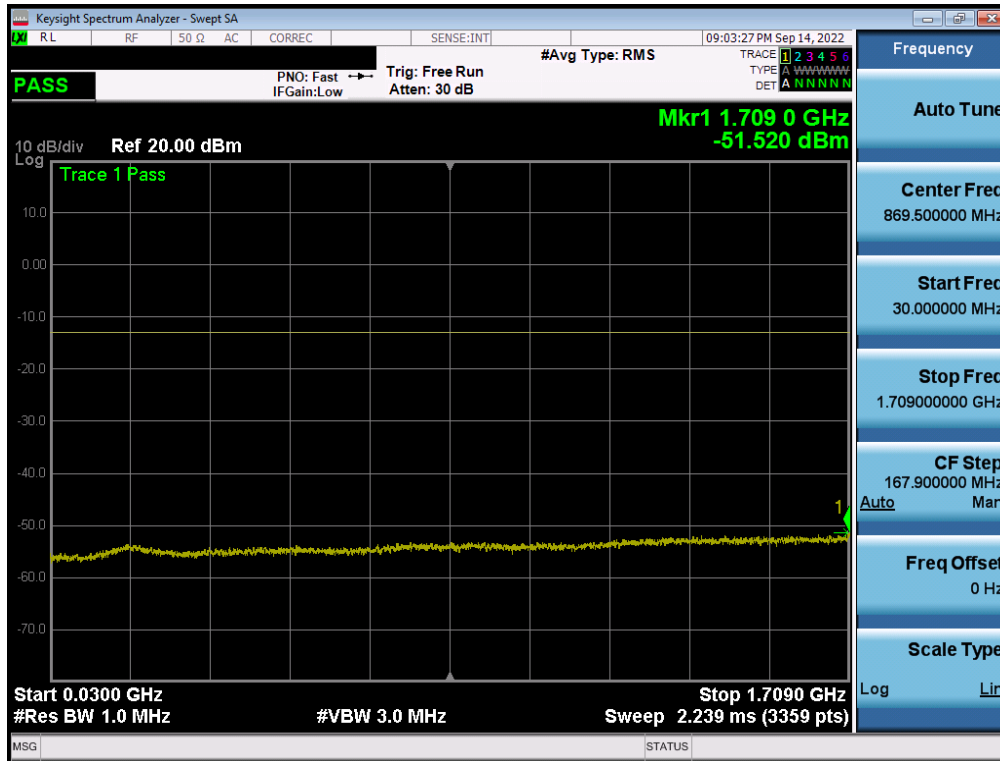
Plot 7-174. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 113 of 316                   |

# Uplink CA LTE Band 66B/C – Ant A

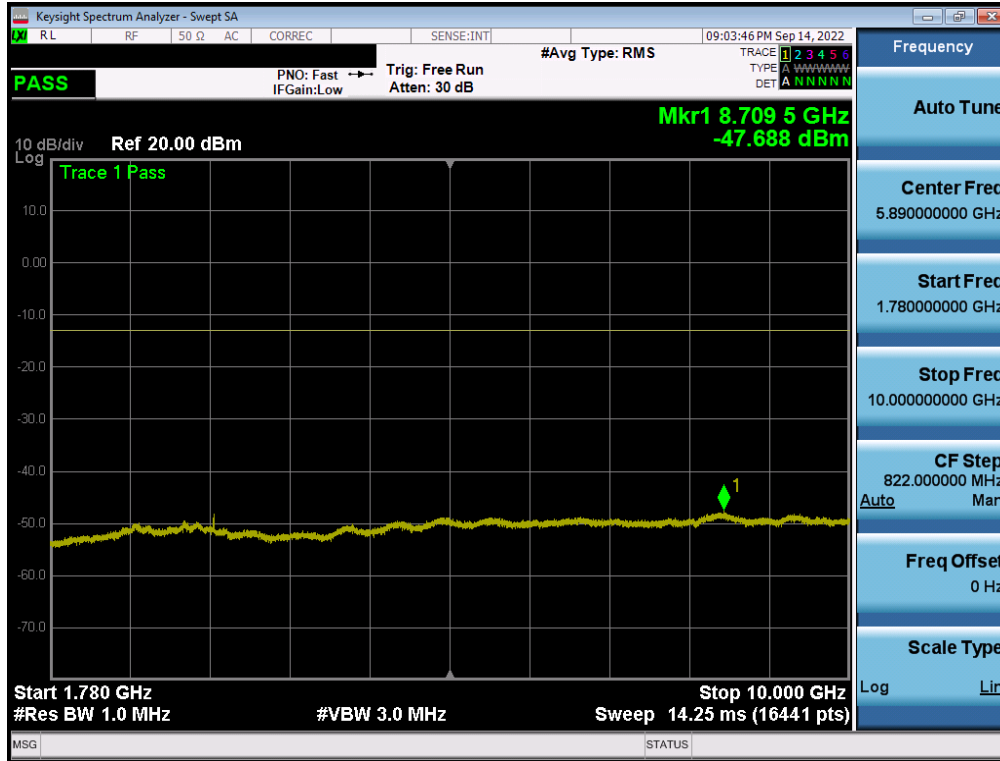


Plot 7-175. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant A)

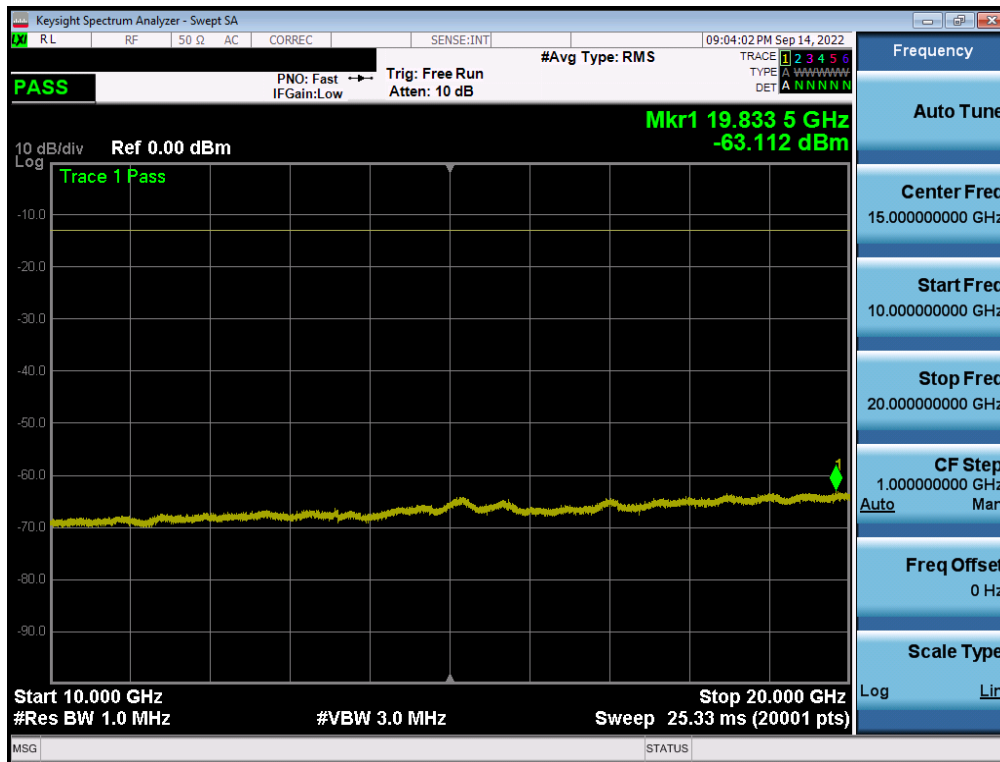


Plot 7-176. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 114 of 316                   |

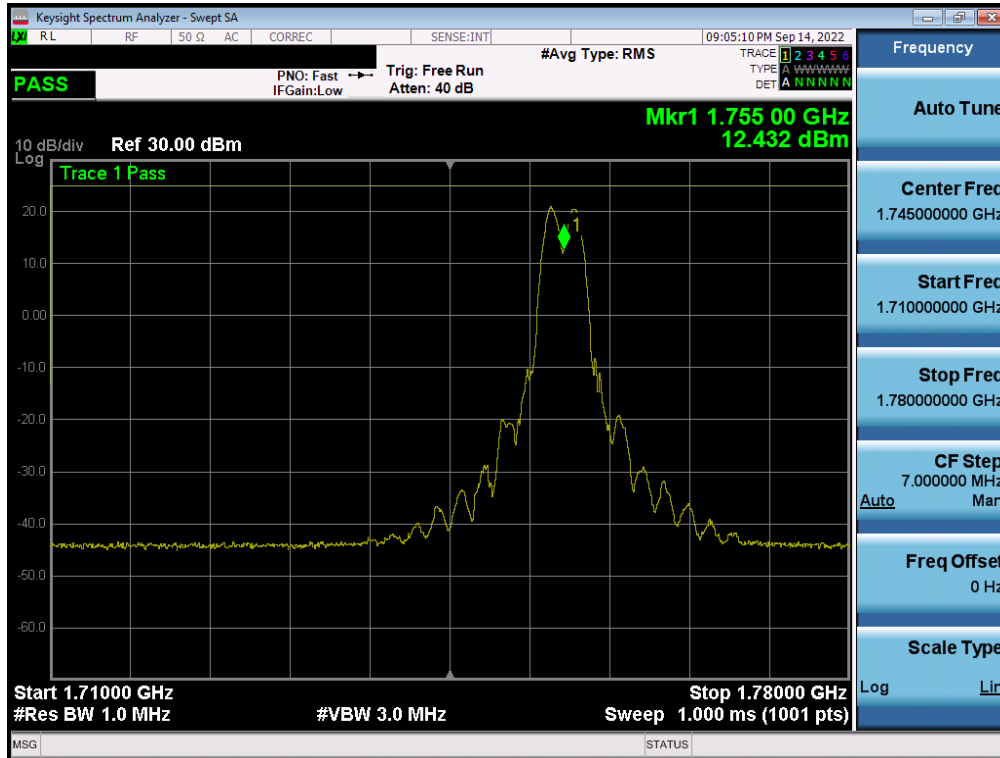


Plot 7-177. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant A)

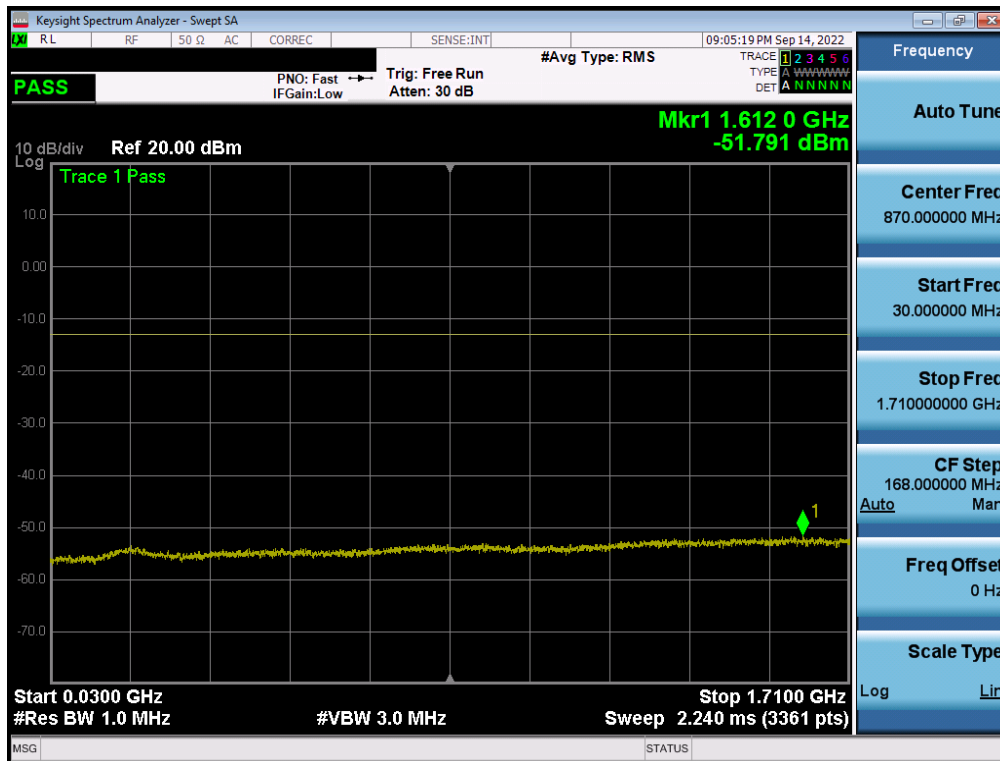


Plot 7-178. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 115 of 316                   |



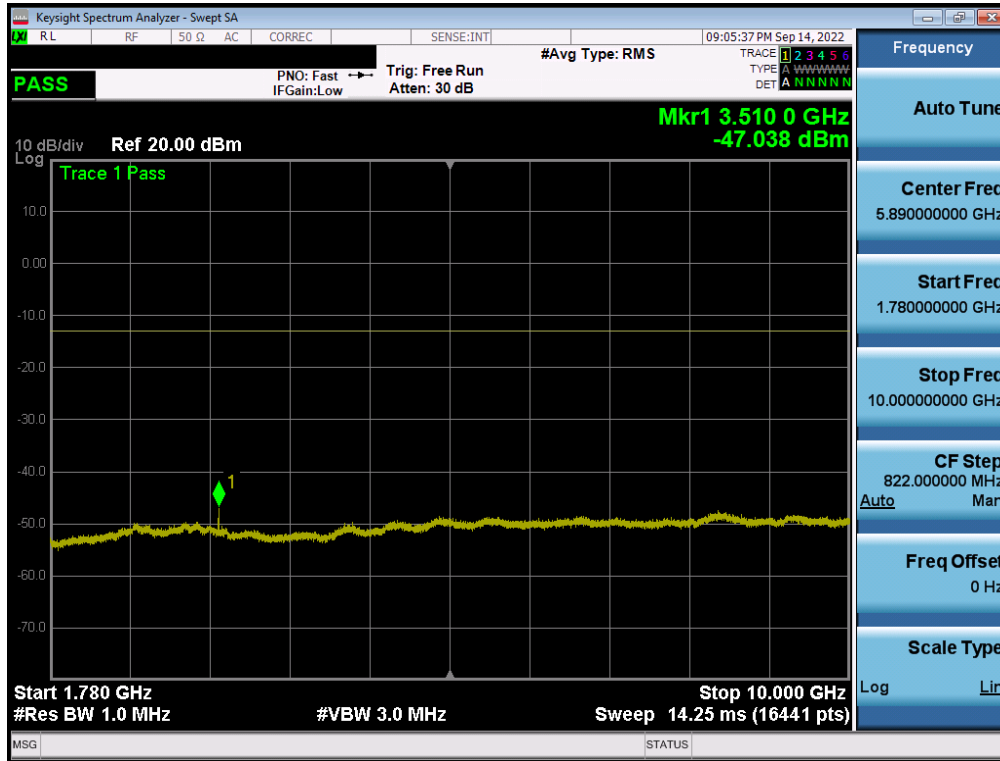
Plot 7-179. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant A)



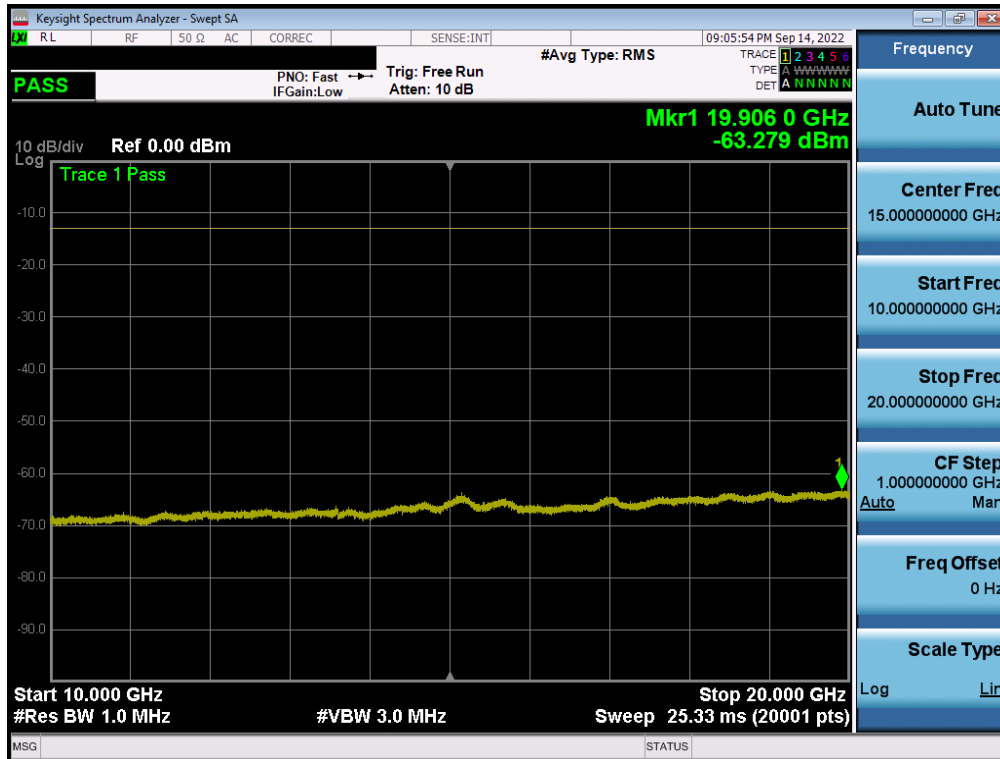
Plot 7-180. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 116 of 316                   |



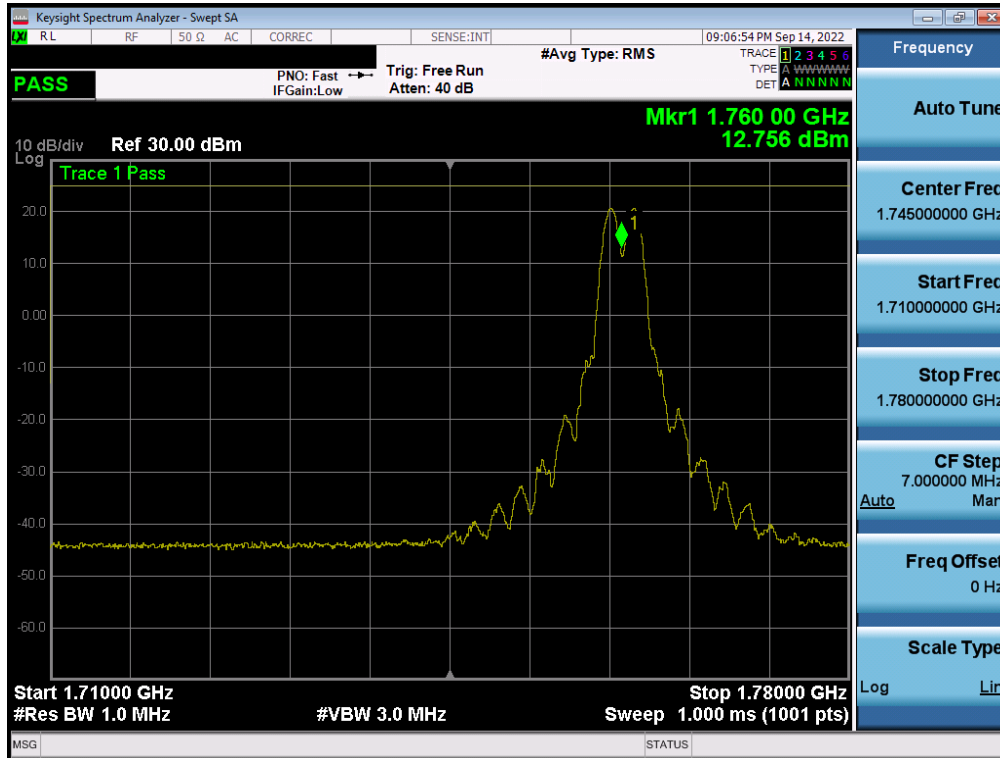


Plot 7-181. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant A)

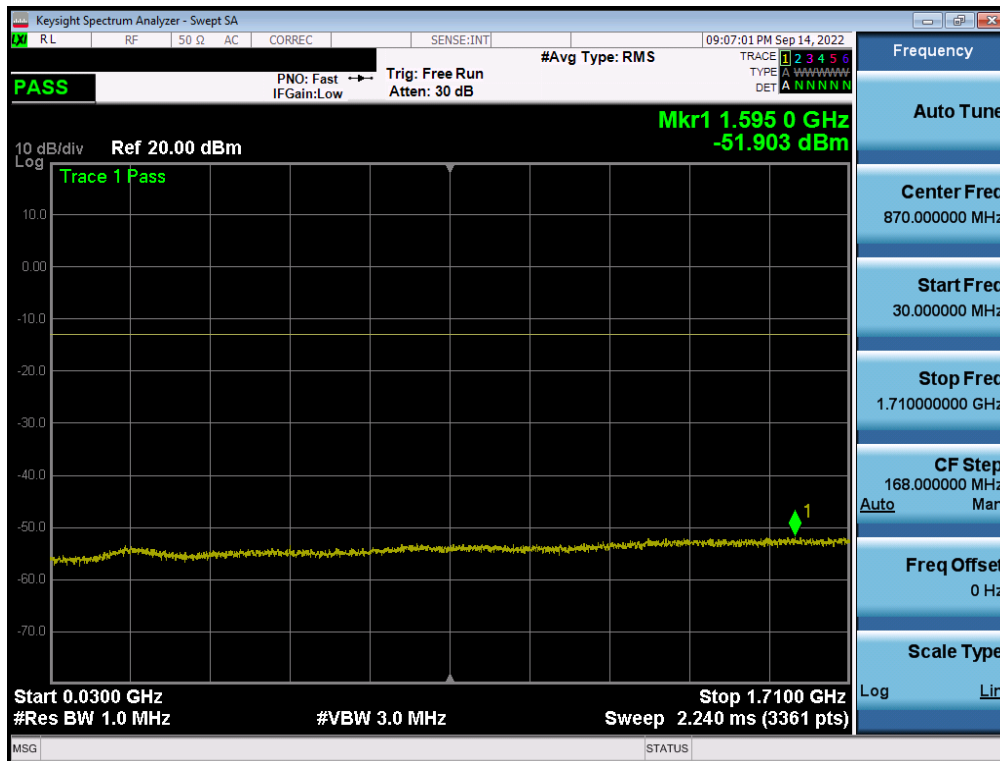


Plot 7-182. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 117 of 316                   |

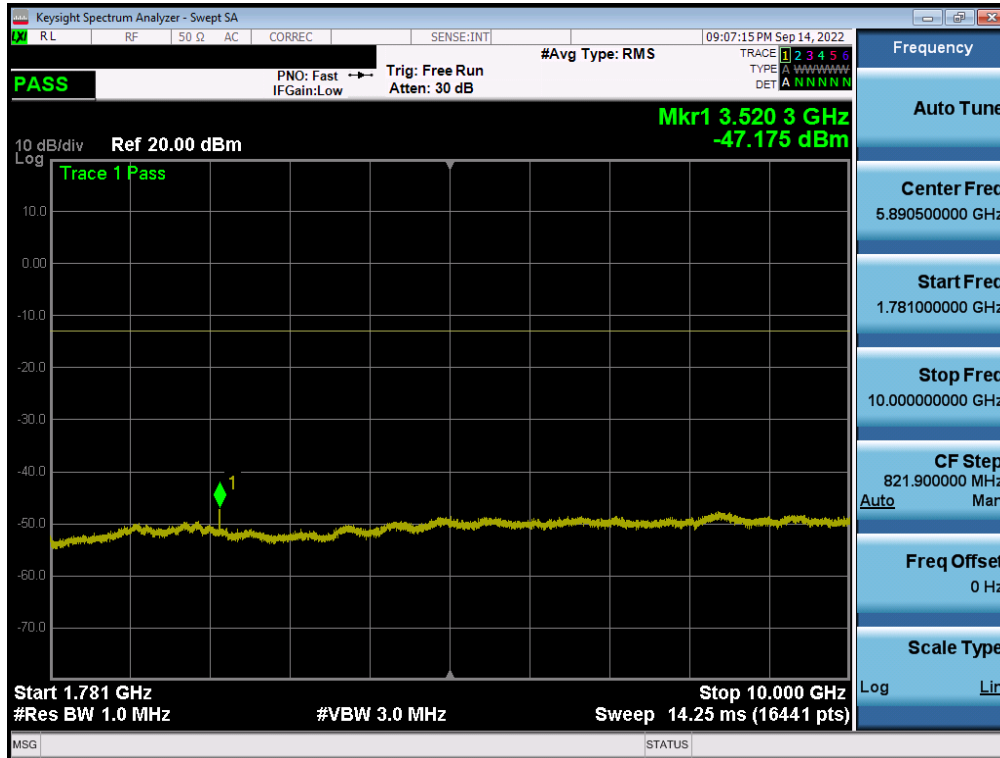


Plot 7-183. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant A)

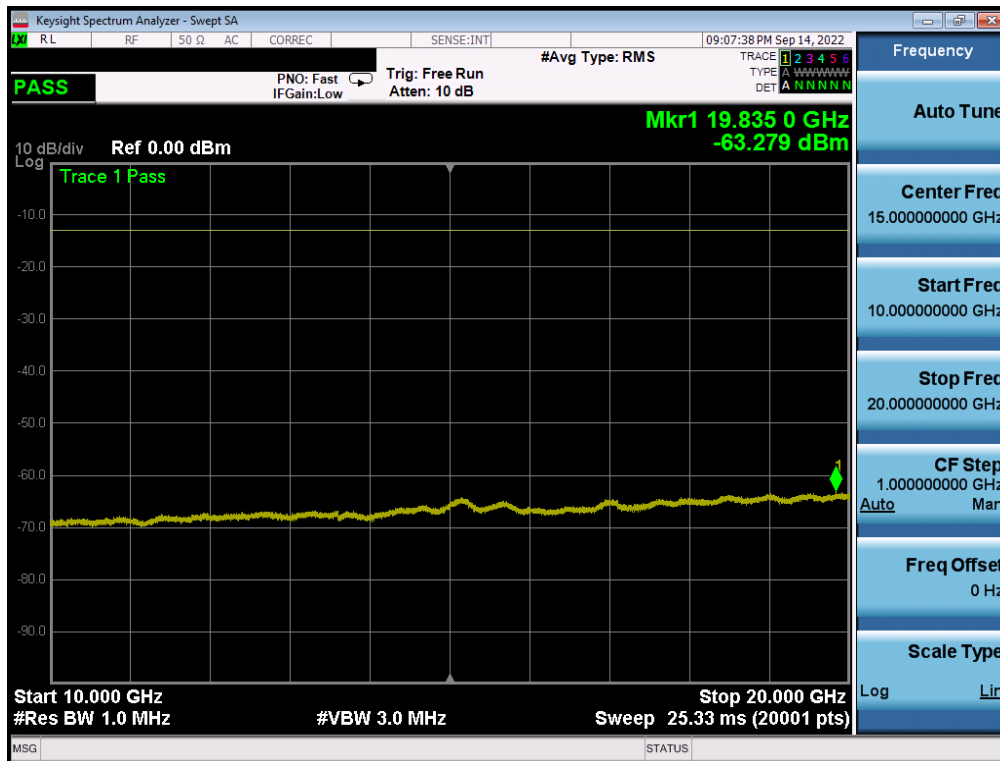


Plot 7-184. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 118 of 316                   |



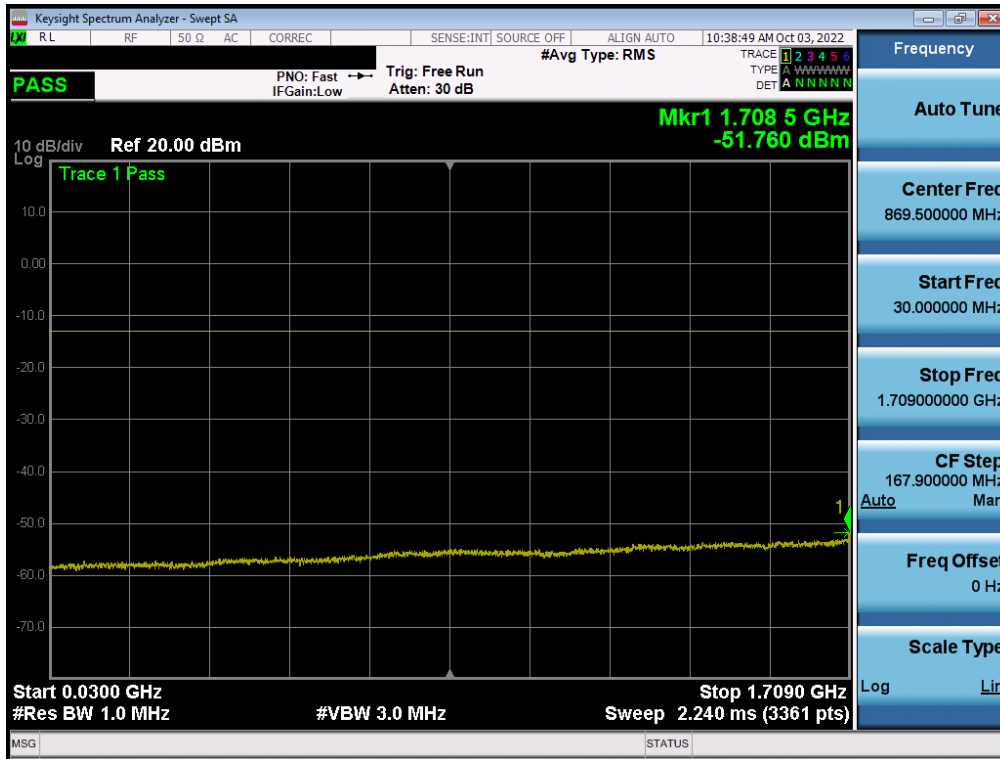
Plot 7-185. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant A)



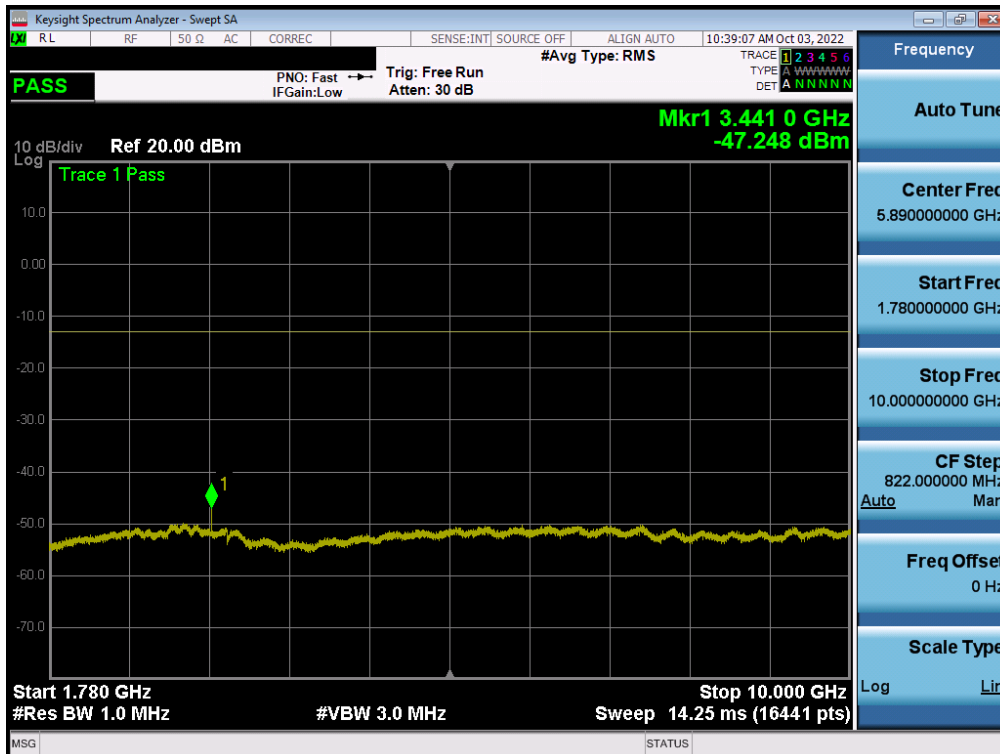
Plot 7-186. Conducted Spurious Plot (ULCA LTE Band 66 High Channel - Ant A)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 119 of 316                   |

# LTE Band 66/4 – Ant F



Plot 7-187. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel – Ant F)

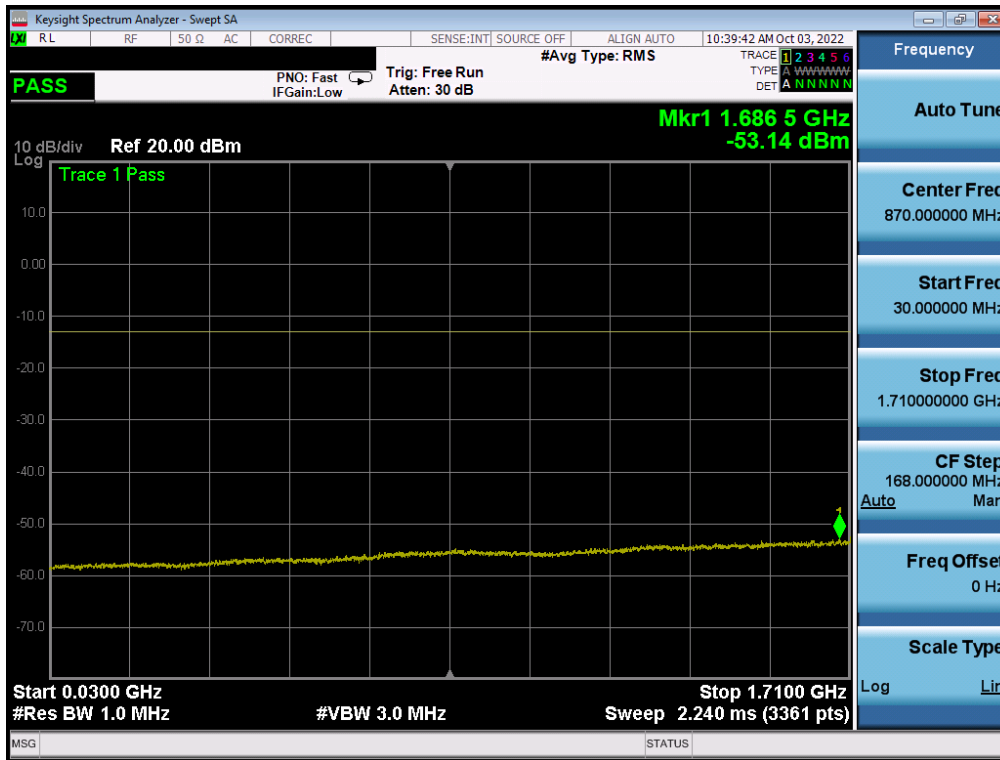


Plot 7-188. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 120 of 316                   |

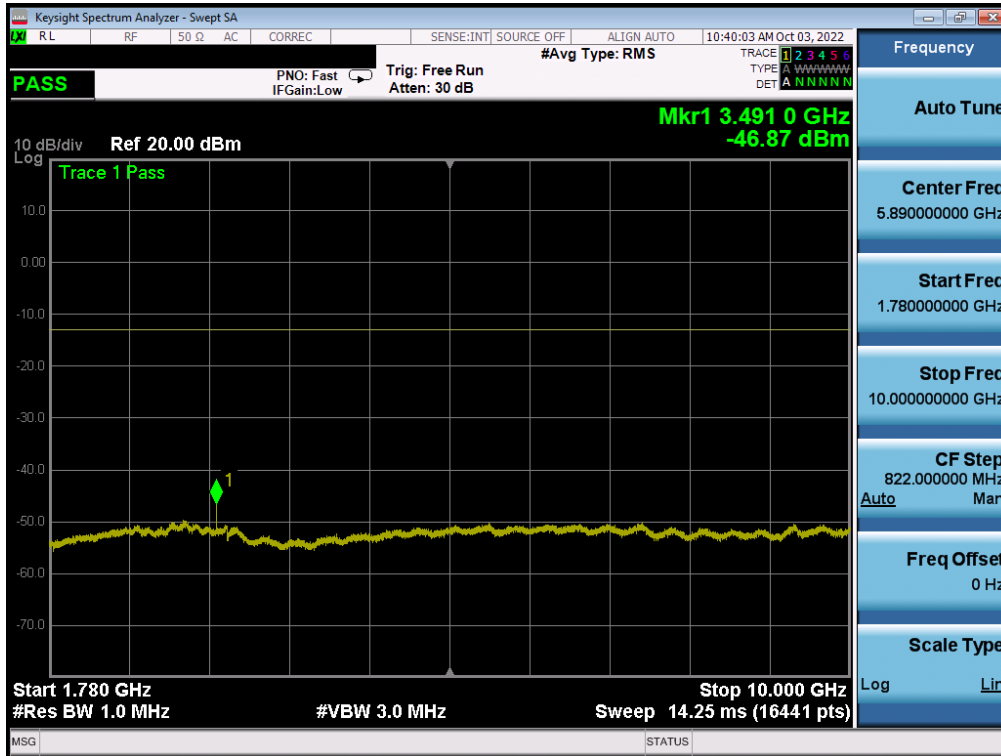


Plot 7-189. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Low Channel – Ant F)

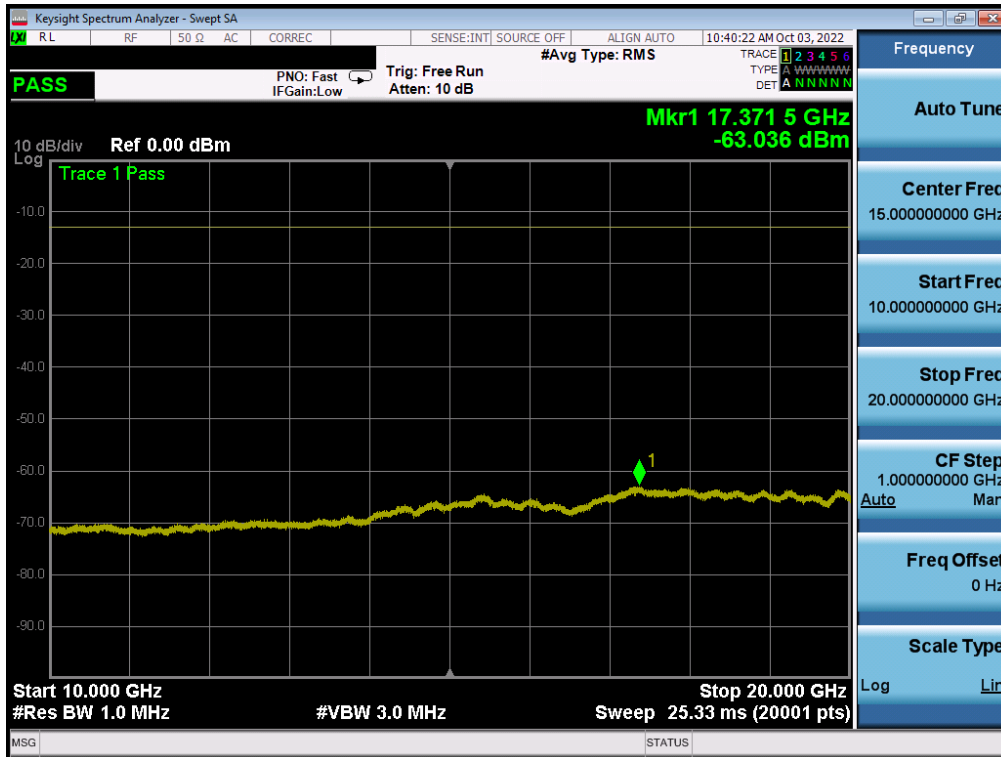


Plot 7-190. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 121 of 316                   |

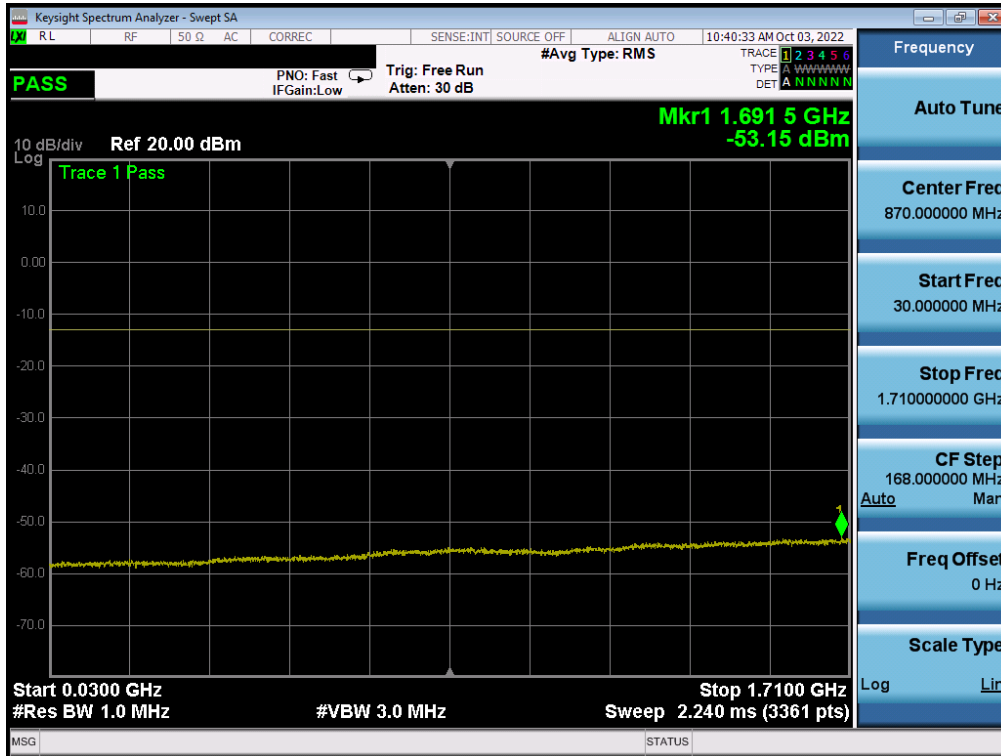


Plot 7-191. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant F)

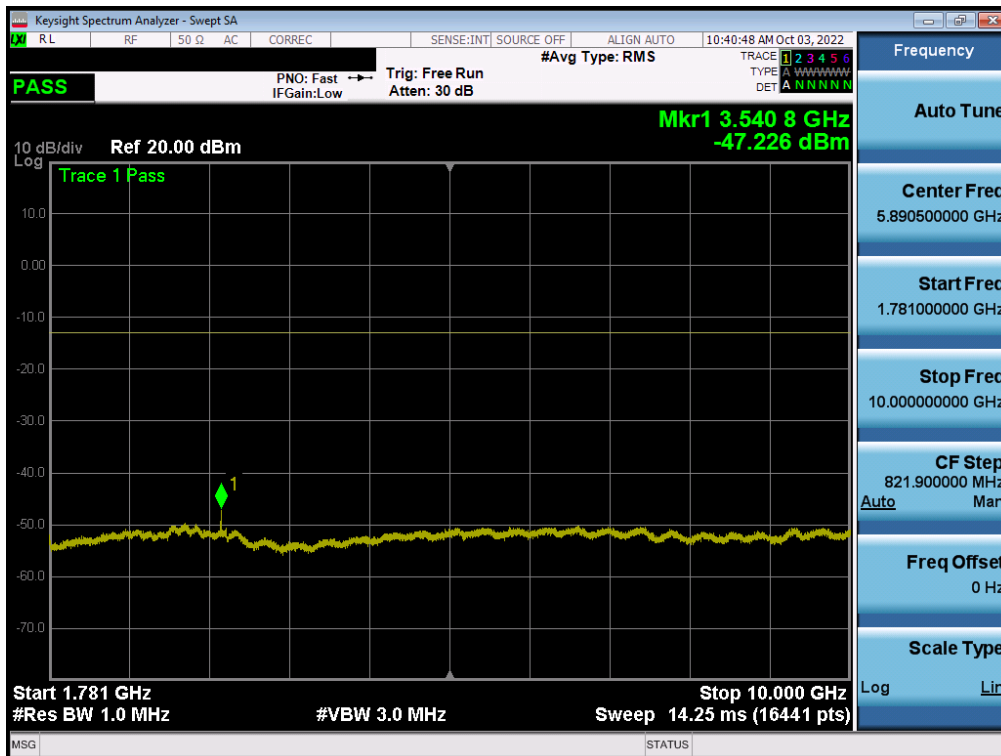


Plot 7-192. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - Mid Channel – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 122 of 316                   |

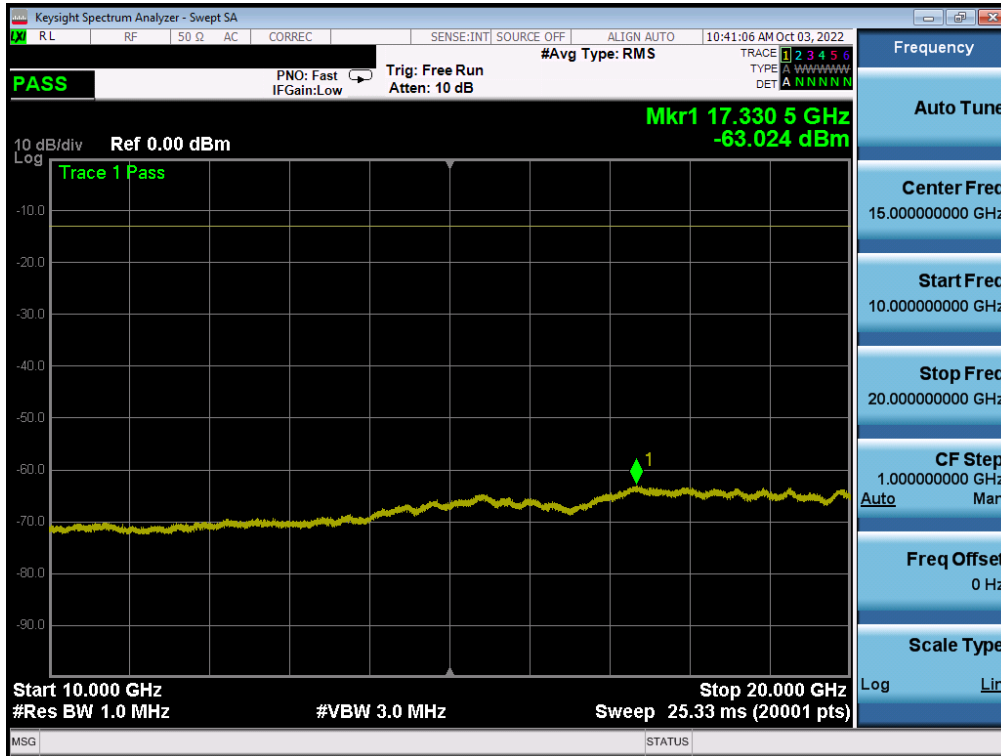


Plot 7-193. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant F)



Plot 7-194. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 123 of 316                   |

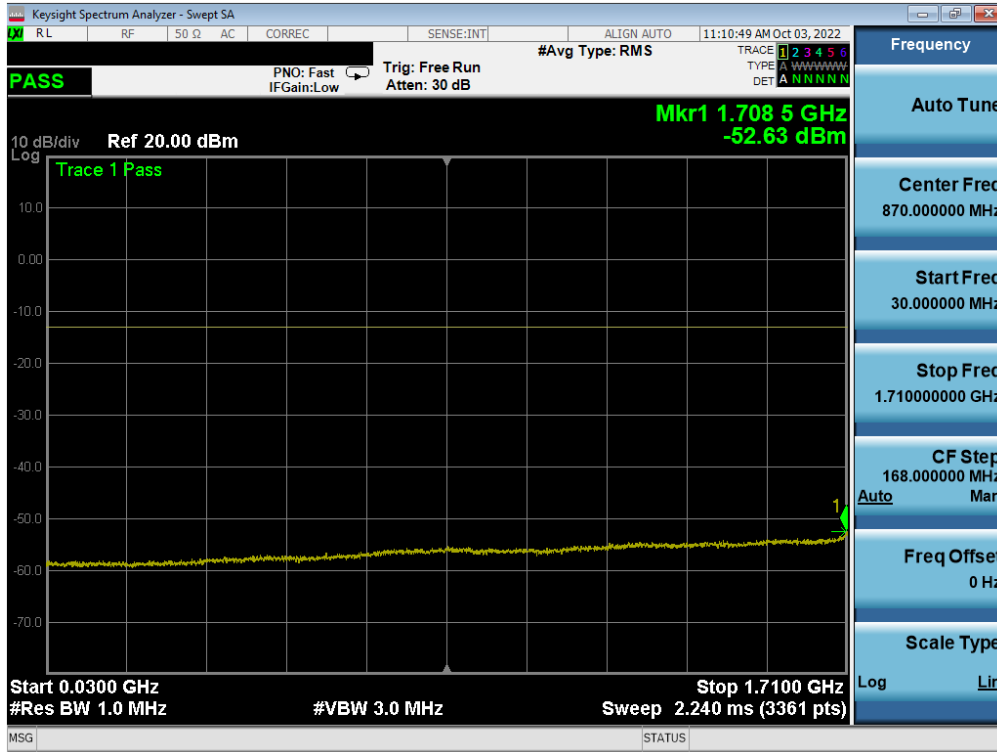


Plot 7-195. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB - High Channel – Ant F)

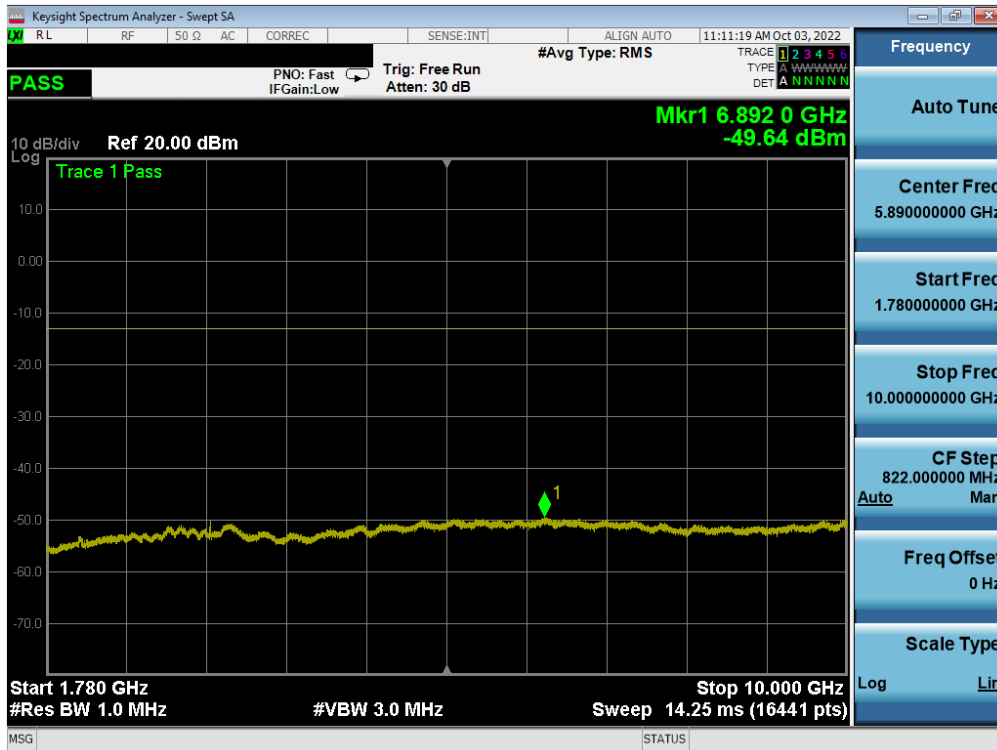
|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 124 of 316                   |



# NR Band n66 – Ant F



Plot 7-196. Conducted Spurious Plot (NR Band n66 -40.0MHz - 1 RB - Low Channel - Ant F)



Plot 7-197. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - Low Channel - Ant F)

|  |                                       |                               |                                   |
|--|---------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS918U                         | PART 27 MEASUREMENT REPORT            |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2209010098-08-R1.A3L | Test Dates:<br>9/12/2022 - 11/08/2022 | EUT Type:<br>Portable Handset | Page 125 of 316                   |