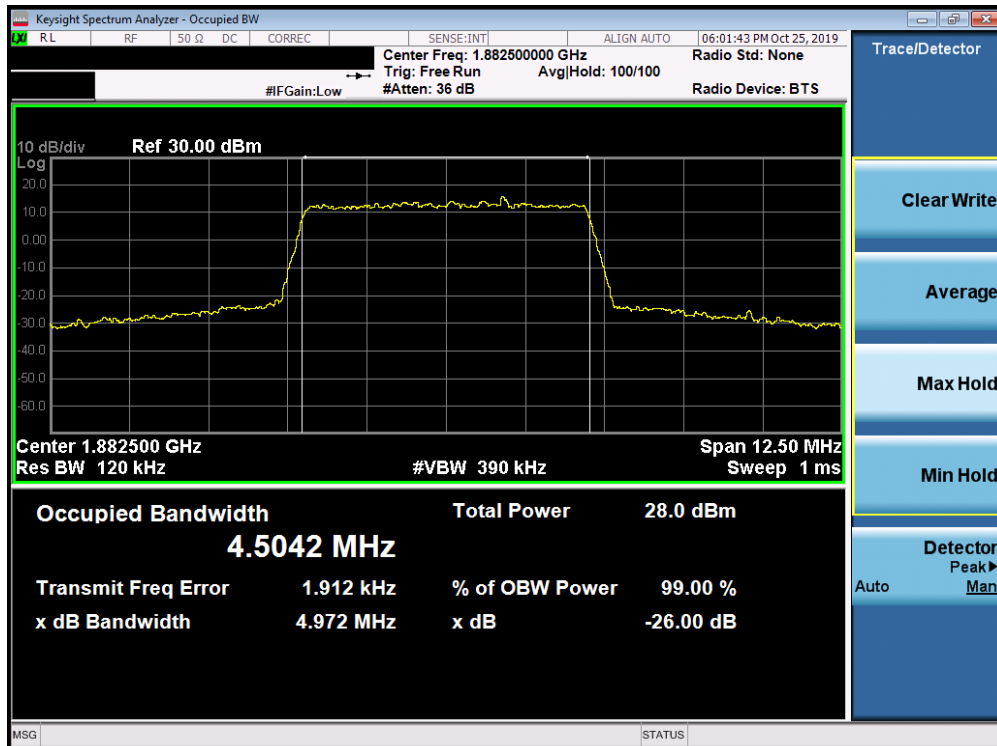
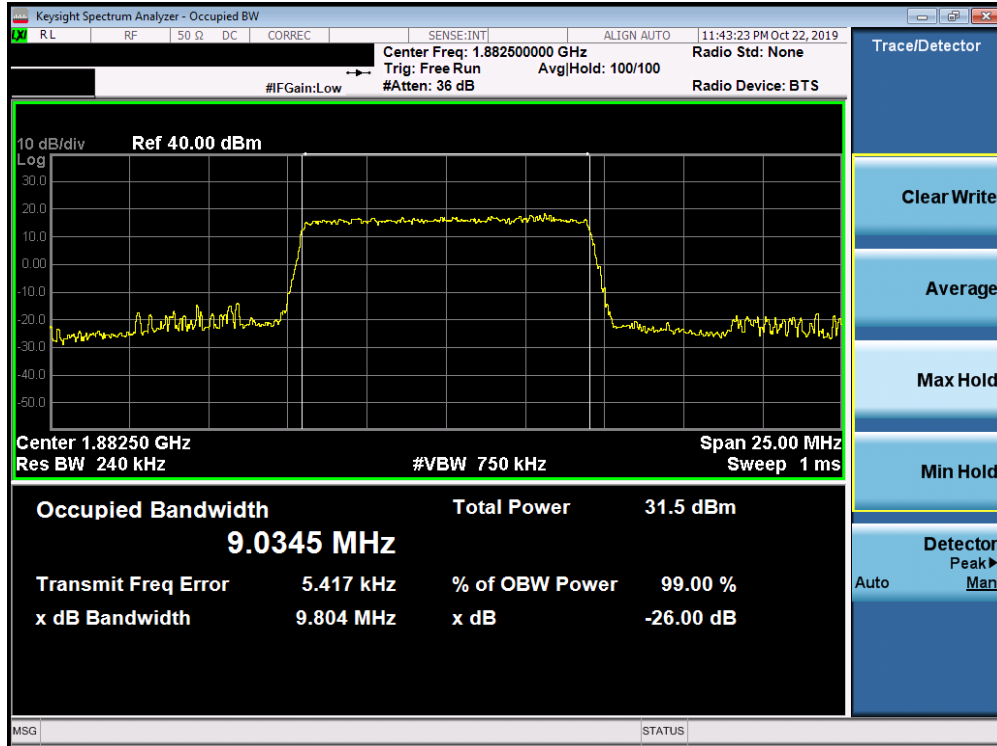


Plot 7-91. Occupied Bandwidth Plot (Band 25/2 - 5.0MHz 64-QAM - Full RB Configuration)

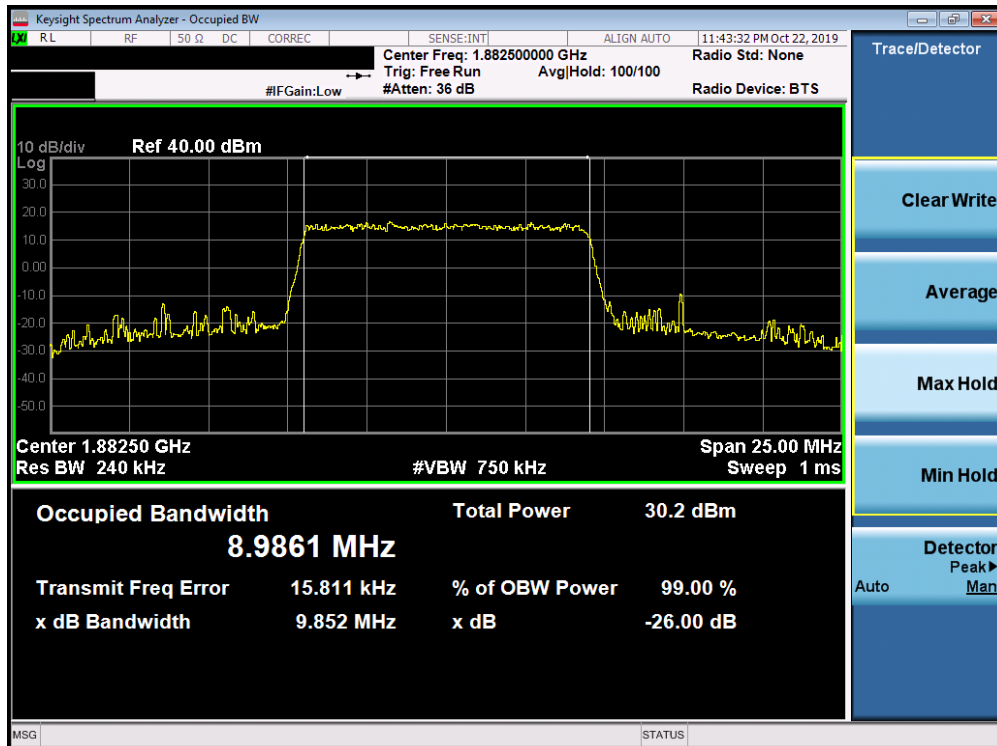


Plot 7-92. Occupied Bandwidth Plot (Band 25/2 - 5.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 63 of 434                  |

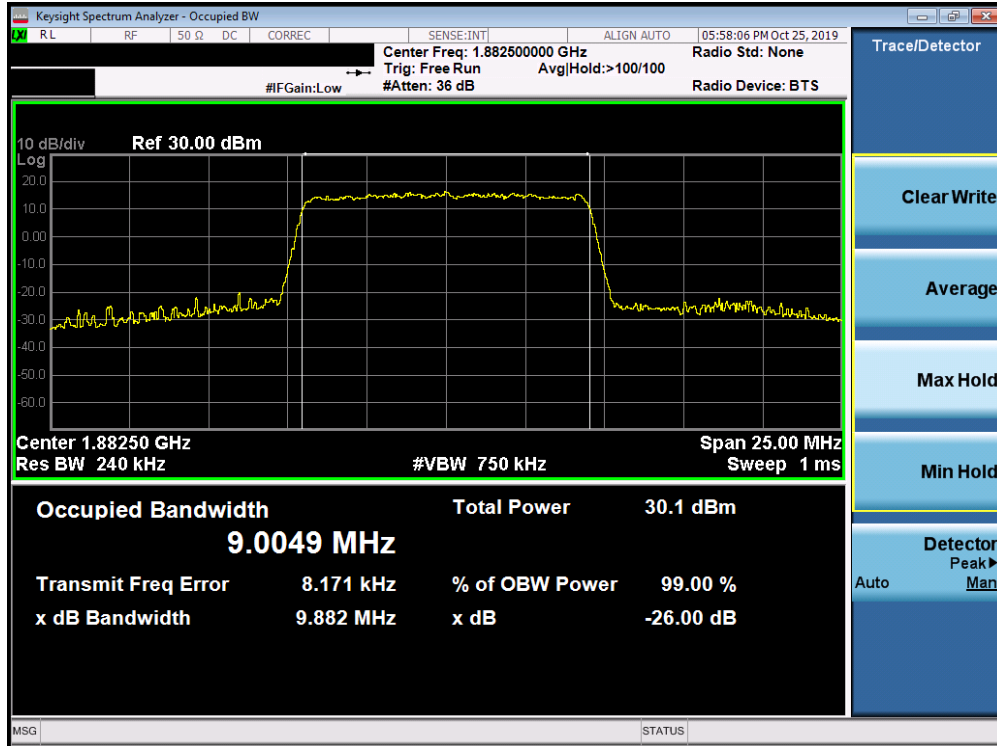


Plot 7-93. Occupied Bandwidth Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

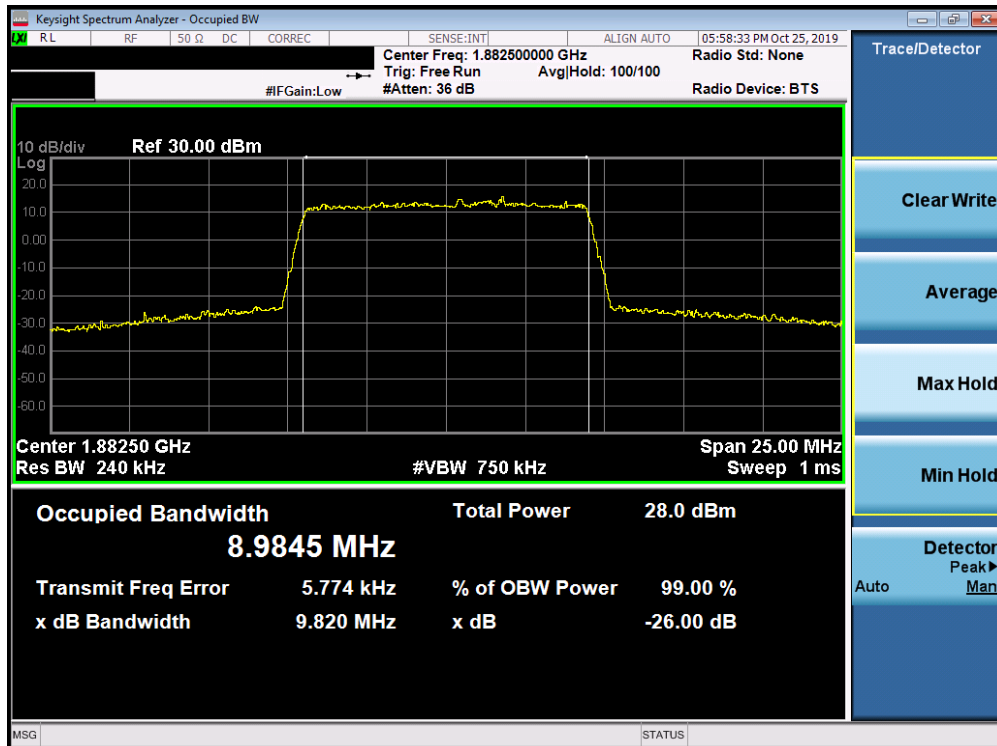


Plot 7-94. Occupied Bandwidth Plot (Band 25/2 - 10.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 64 of 434                  |

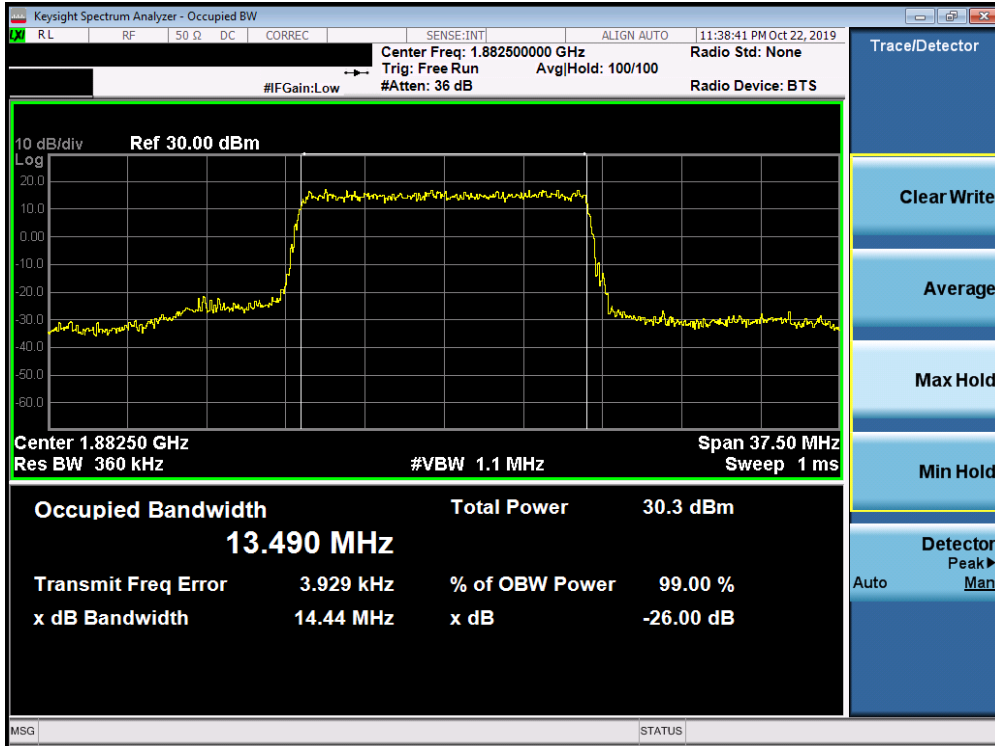


Plot 7-95. Occupied Bandwidth Plot (Band 25/2 - 10.0MHz 64-QAM - Full RB Configuration)

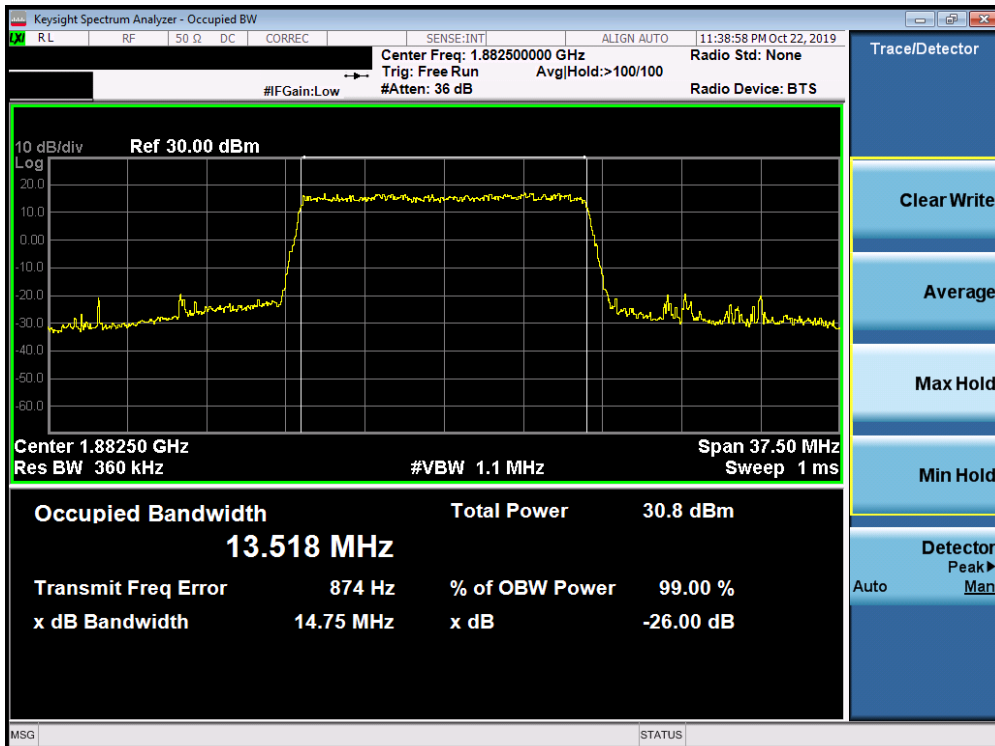


Plot 7-96. Occupied Bandwidth Plot (Band 25/2 - 10.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 65 of 434                  |

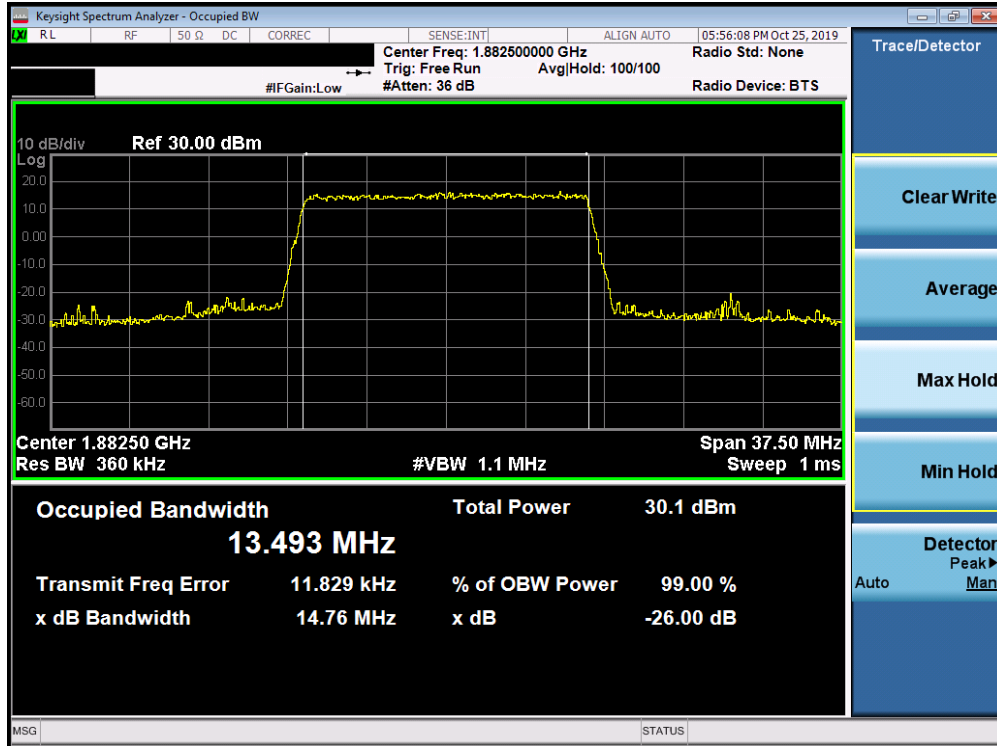


Plot 7-97. Occupied Bandwidth Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

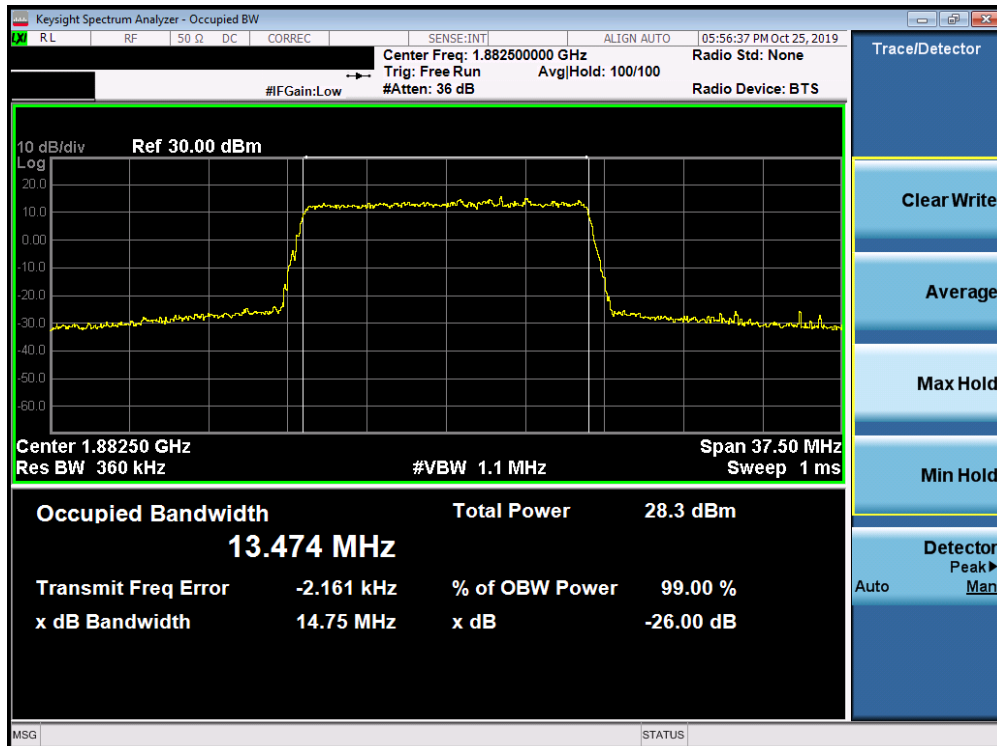


Plot 7-98. Occupied Bandwidth Plot (Band 25/2 - 15.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 66 of 434                  |

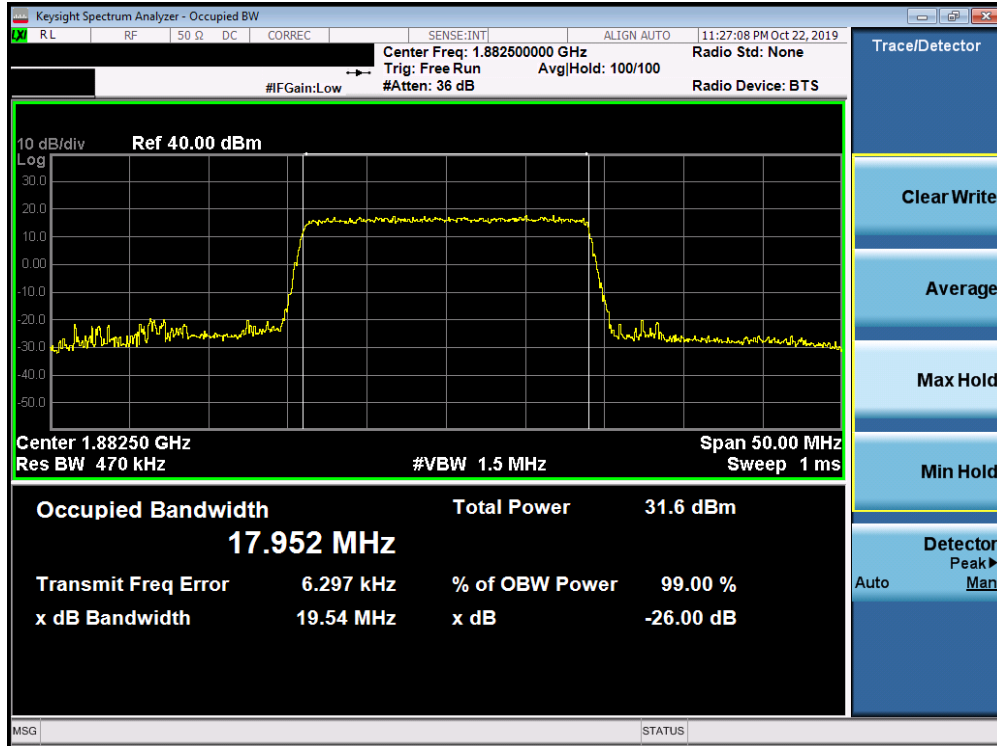


Plot 7-99. Occupied Bandwidth Plot (Band 25/2 - 15.0MHz 64-QAM - Full RB Configuration)

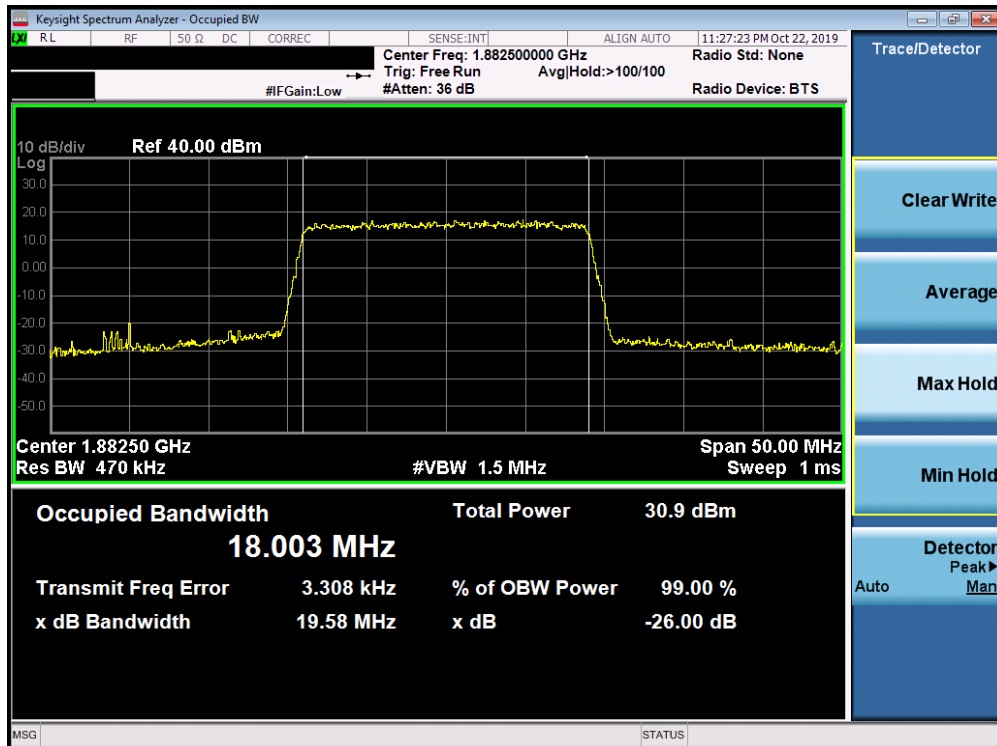


Plot 7-100. Occupied Bandwidth Plot (Band 25/2 - 15.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 67 of 434                  |

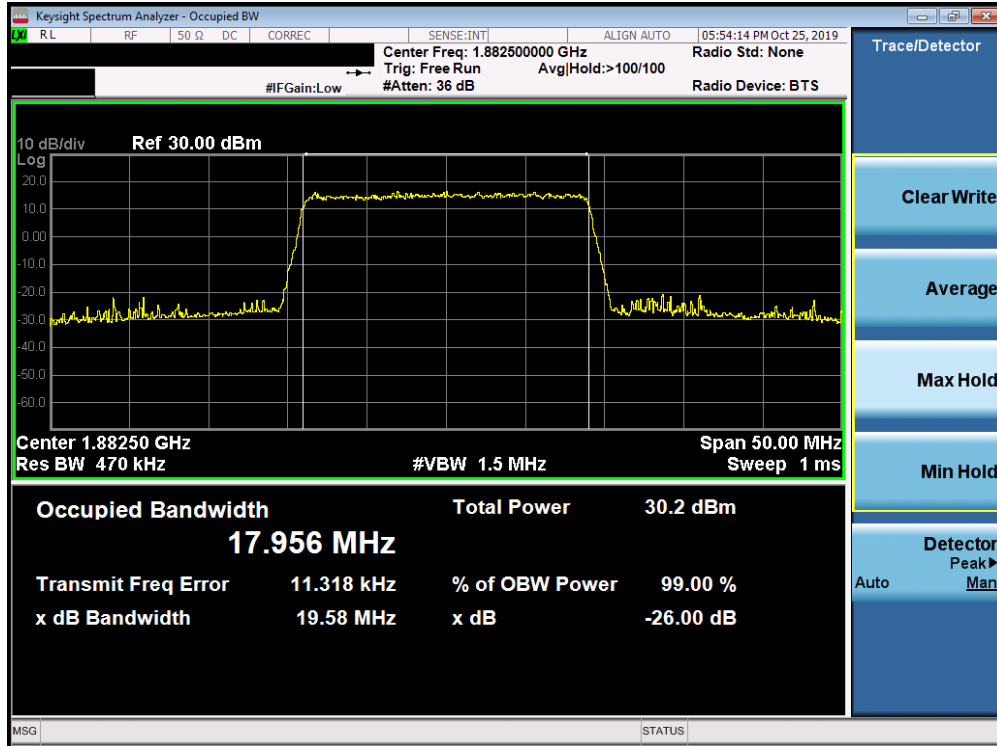


Plot 7-101. Occupied Bandwidth Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

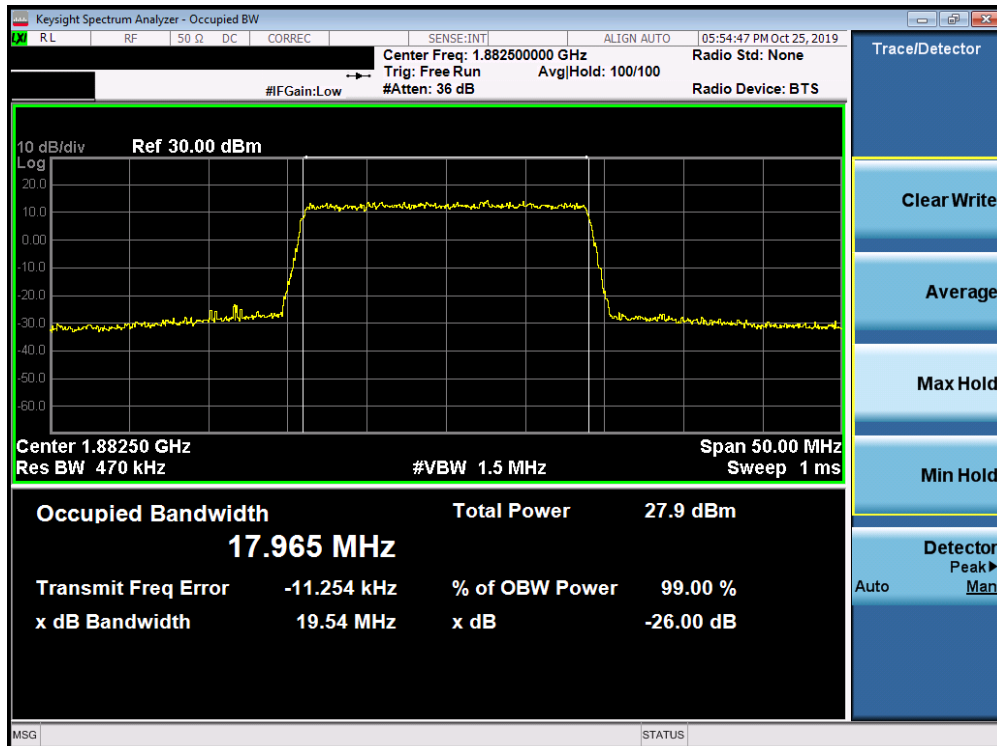


Plot 7-102. Occupied Bandwidth Plot (Band 25/2 - 20.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 68 of 434                  |



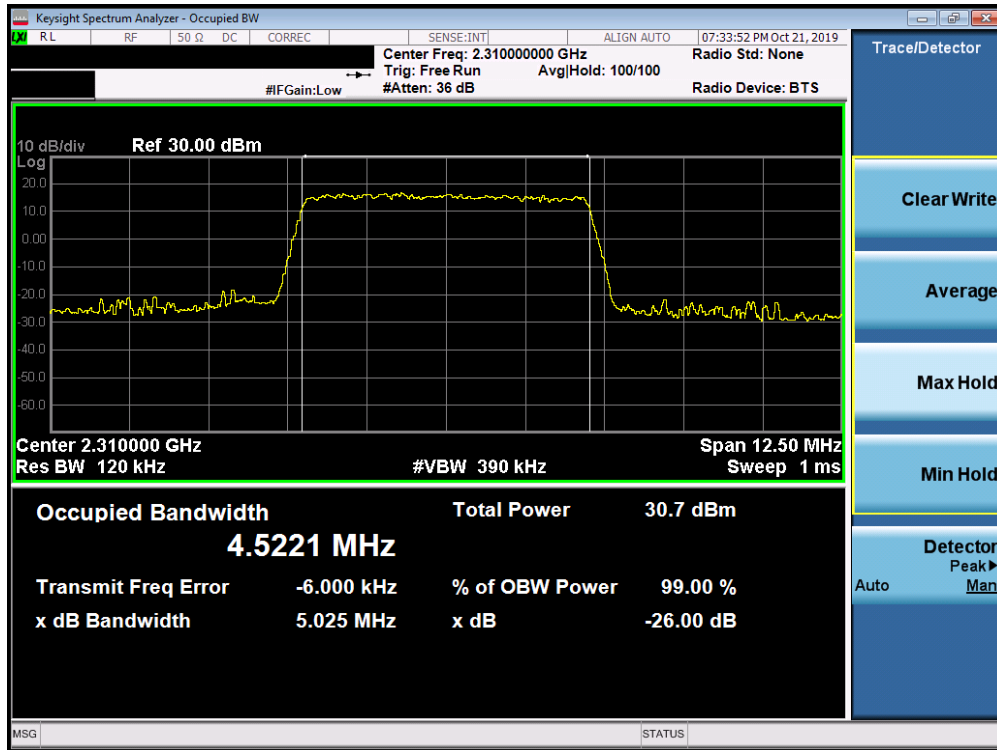
Plot 7-103. Occupied Bandwidth Plot (Band 25/2 - 20.0MHz 64-QAM - Full RB Configuration)



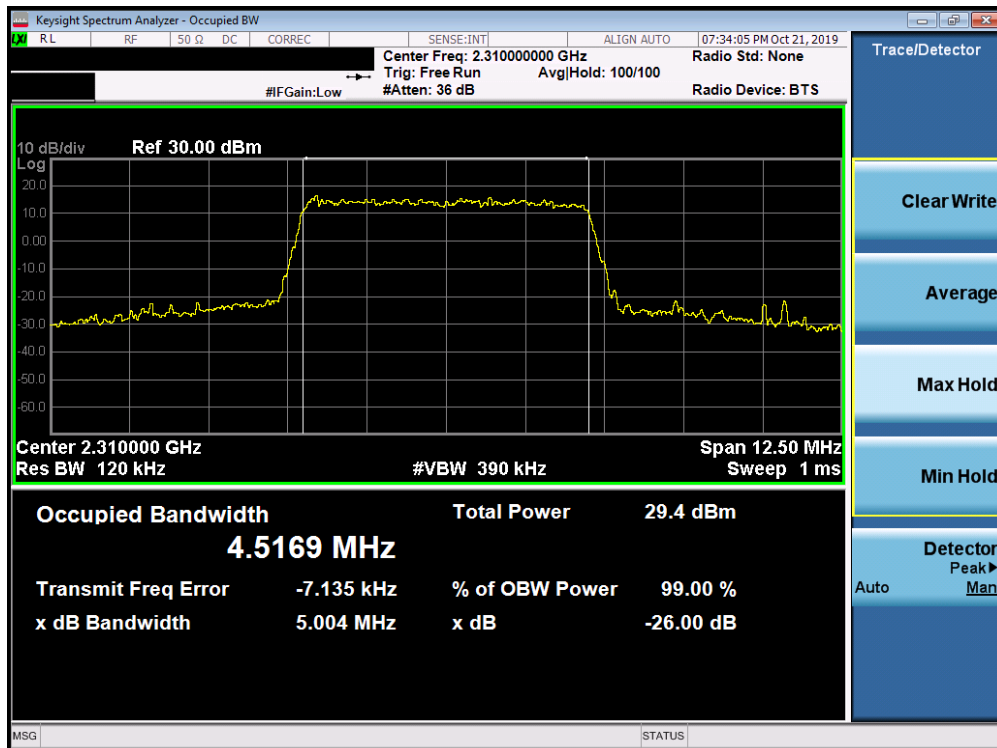
Plot 7-104. Occupied Bandwidth Plot (Band 25/2 - 20.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 69 of 434                  |

### Band 30



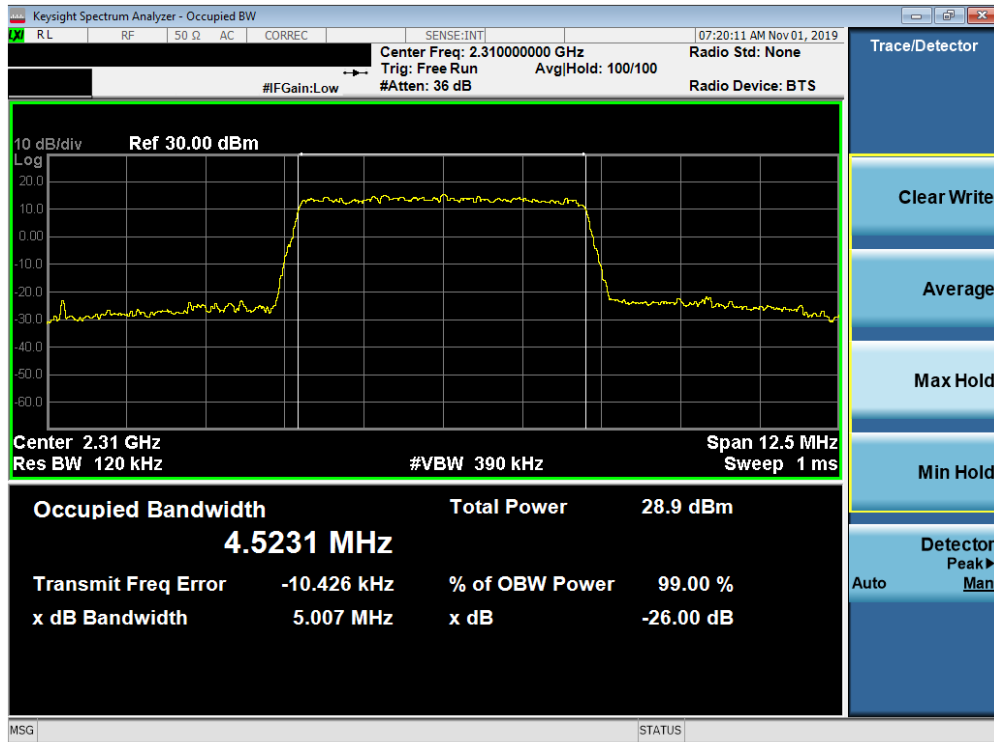
Plot 7-105. Occupied Bandwidth Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)



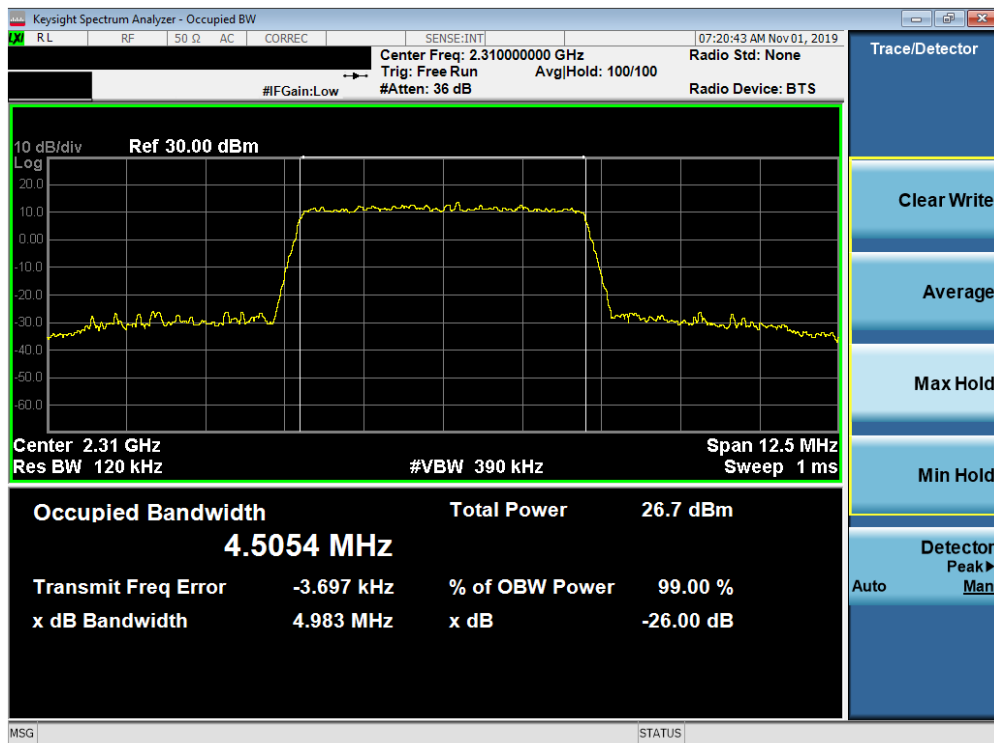
Plot 7-106. Occupied Bandwidth Plot (Band 30 - 5.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 70 of 434                  |



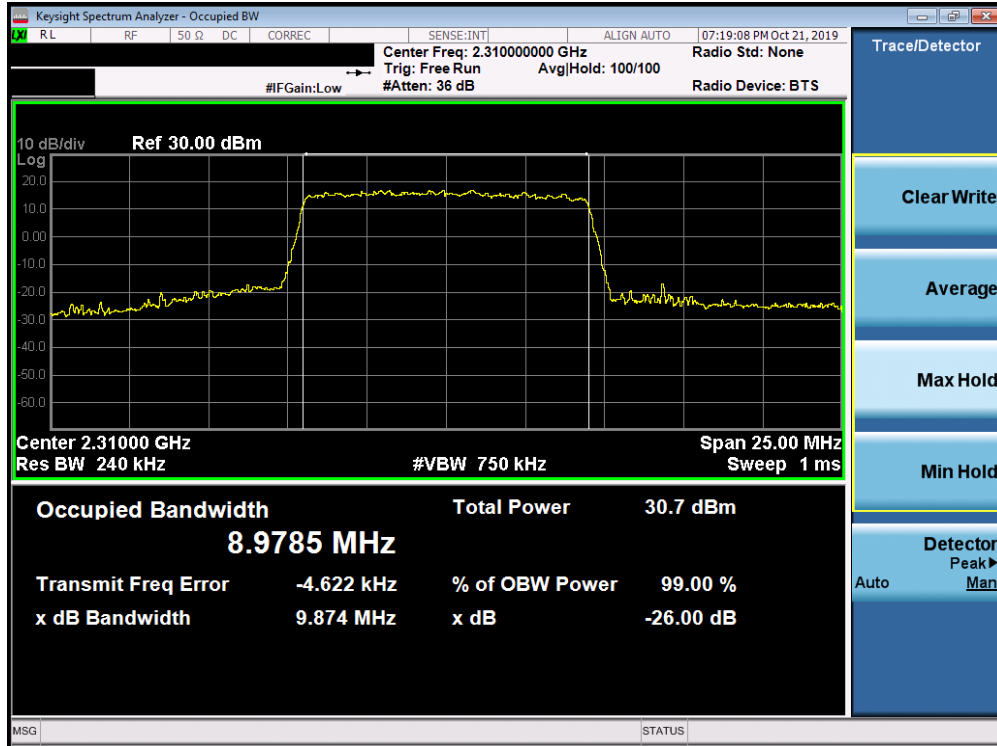


Plot 7-107. Occupied Bandwidth Plot (Band 30 - 5.0MHz 64-QAM - Full RB Configuration)

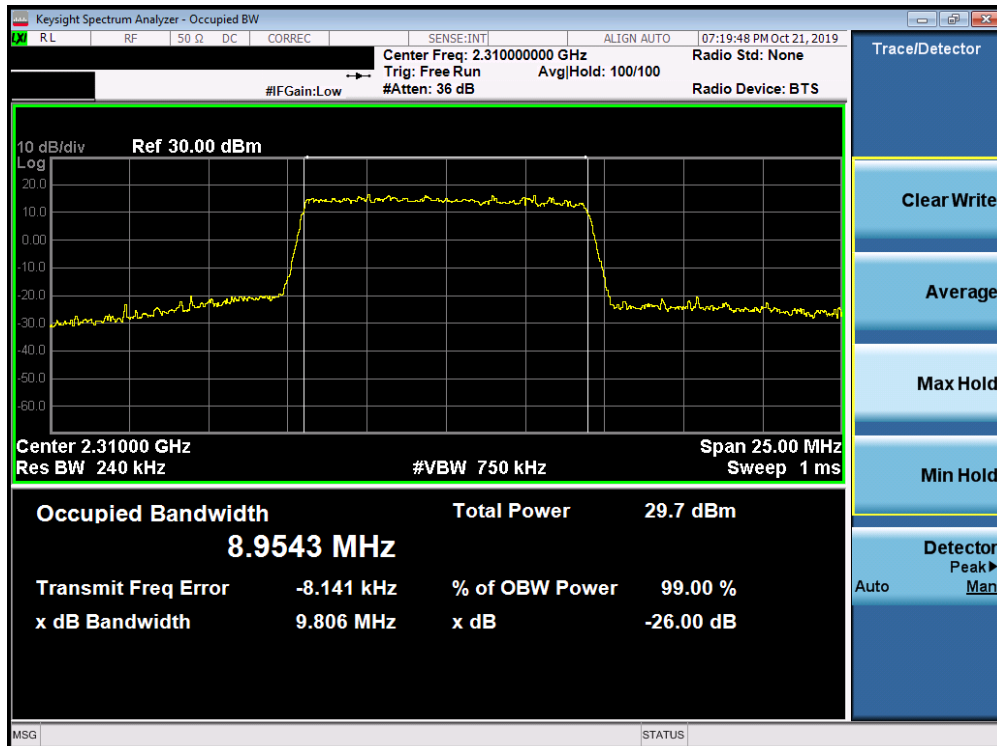


Plot 7-108. Occupied Bandwidth Plot (Band 30 - 5.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 71 of 434                  |

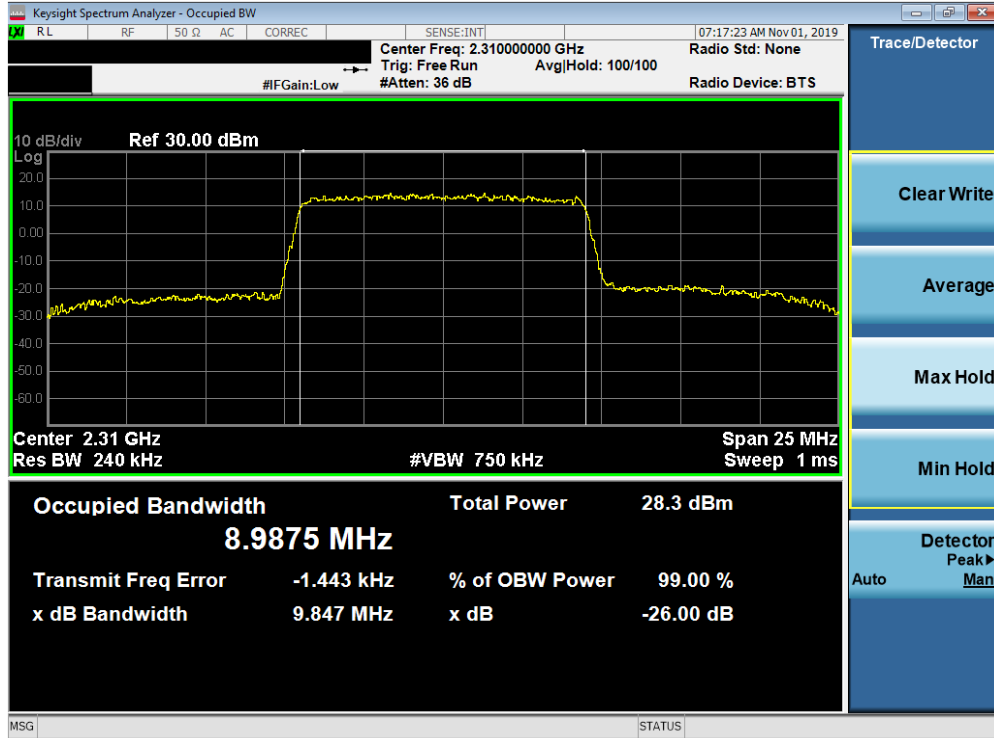


Plot 7-109. Occupied Bandwidth Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

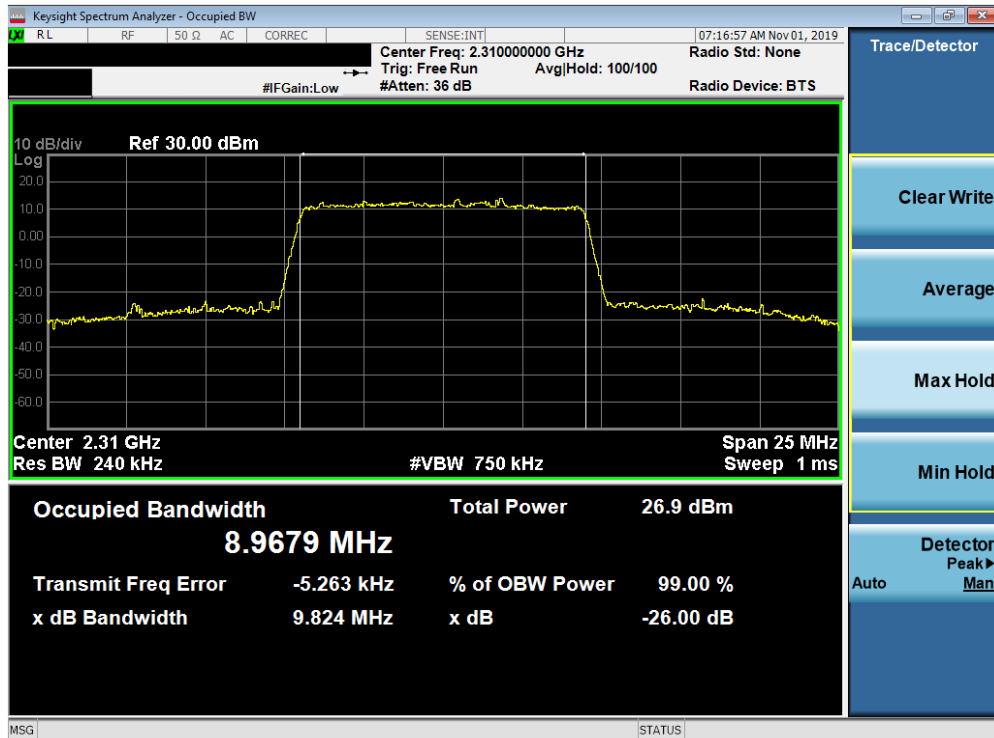


Plot 7-110. Occupied Bandwidth Plot (Band 30 - 10.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 72 of 434                  |



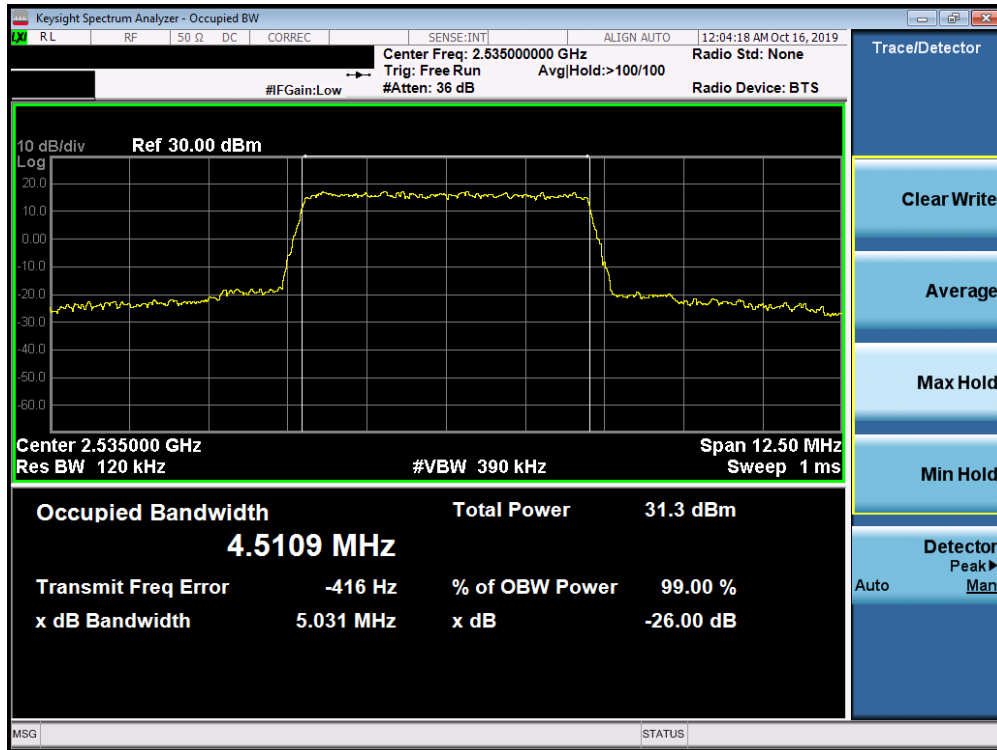
Plot 7-111. Occupied Bandwidth Plot (Band 30 - 10.0MHz 64-QAM - Full RB Configuration)



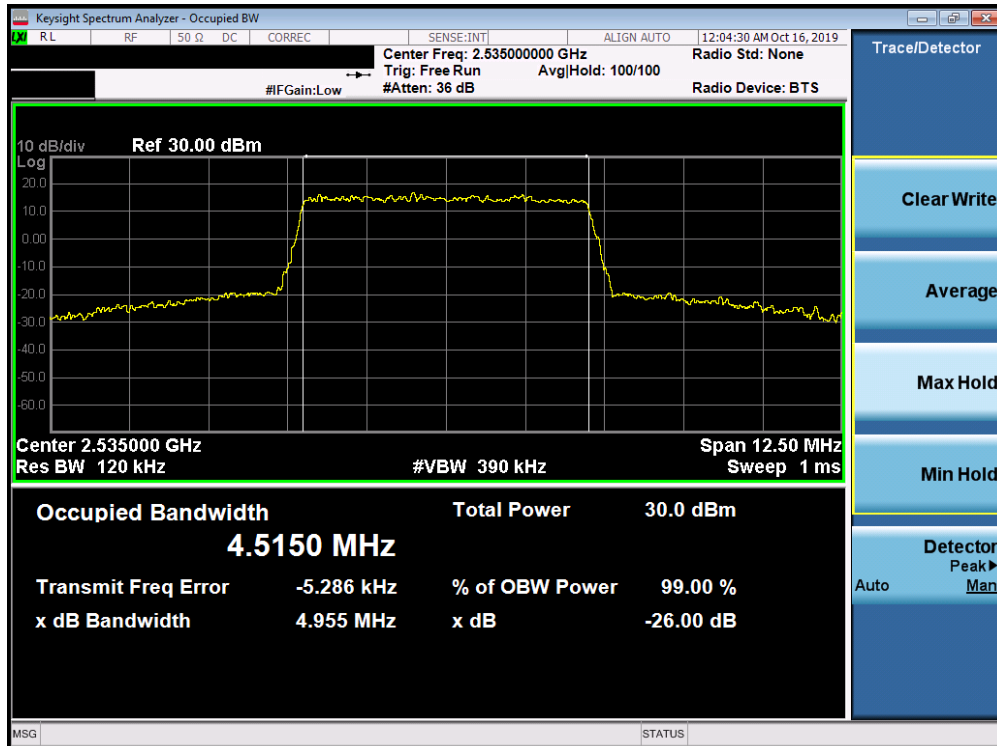
Plot 7-112. Occupied Bandwidth Plot (Band 30 - 10.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 73 of 434                  |

# Band 7

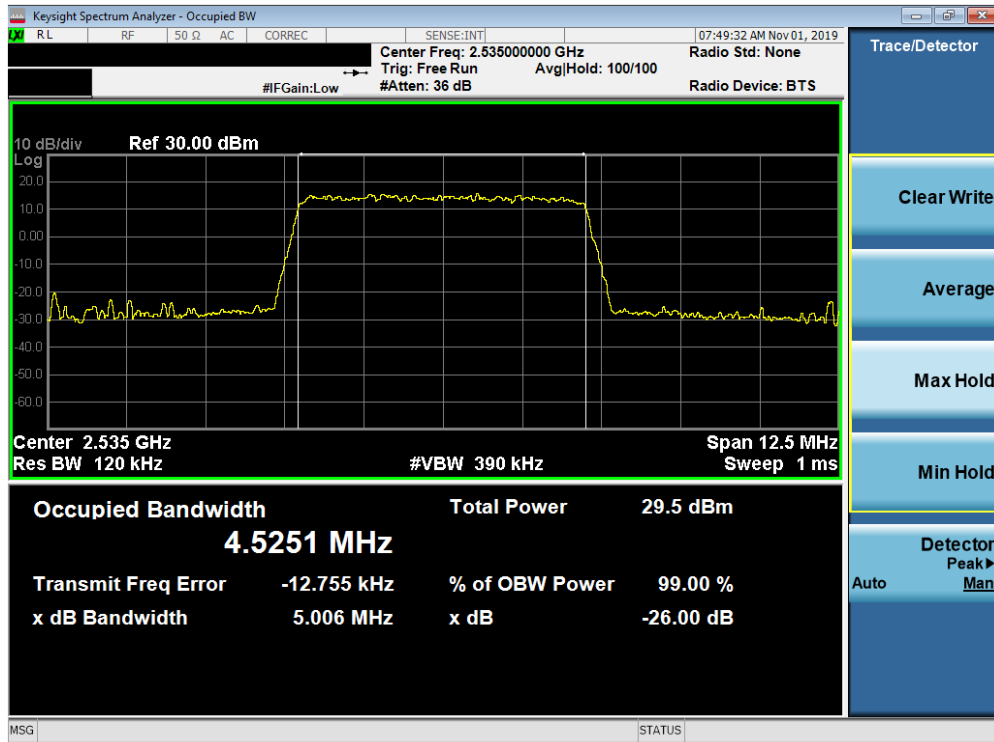


Plot 7-113. Occupied Bandwidth Plot (Band 7 - 5.0MHz QPSK - Full RB Configuration)

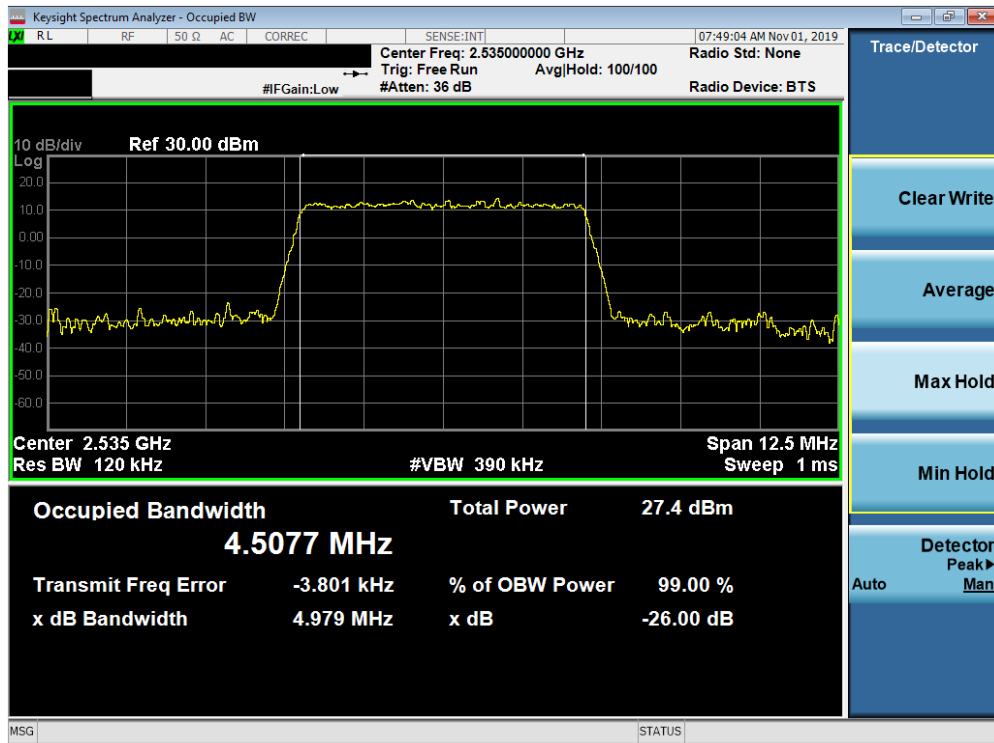


Plot 7-114. Occupied Bandwidth Plot (Band 7 - 5.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 74 of 434                  |

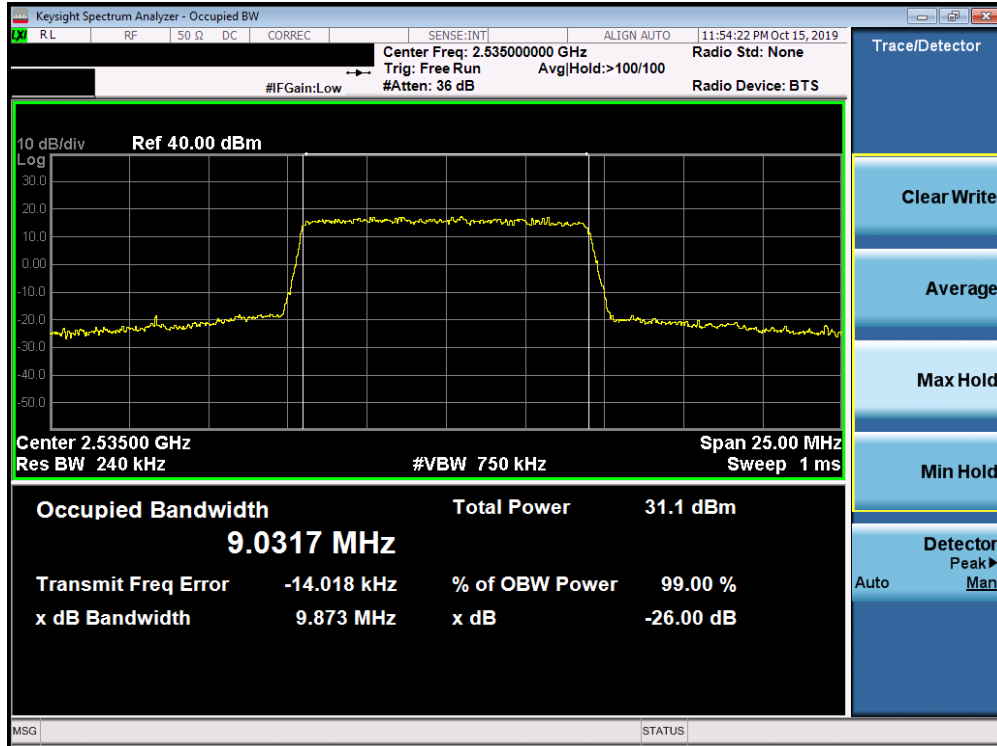


Plot 7-115. Occupied Bandwidth Plot (Band 7 - 5.0MHz 64-QAM - Full RB Configuration)

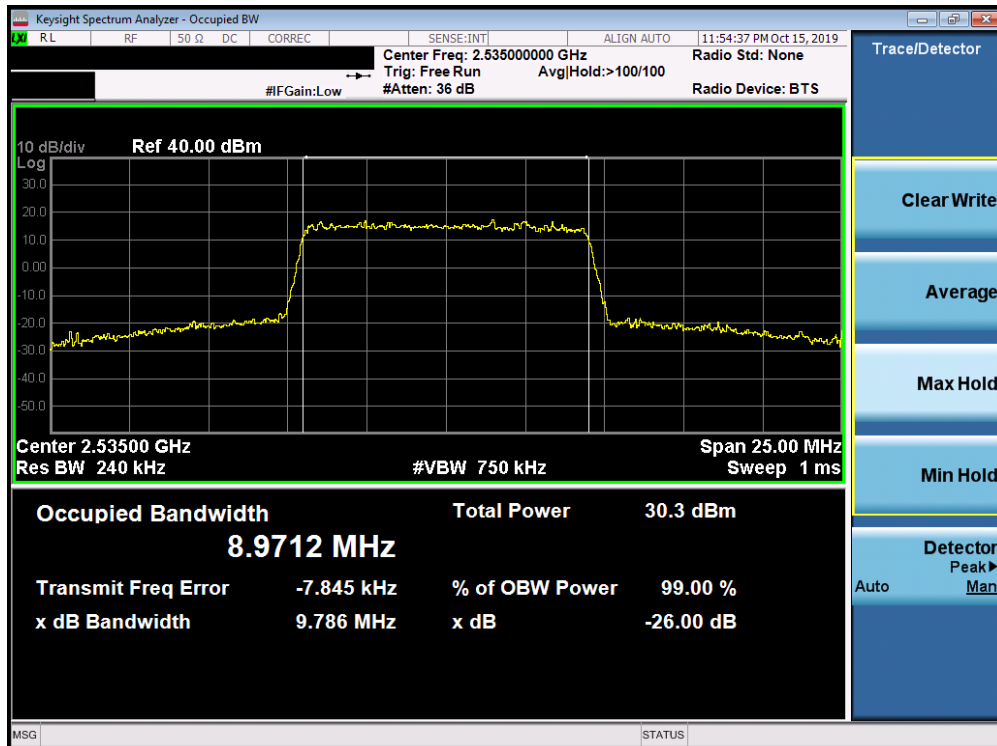


Plot 7-116. Occupied Bandwidth Plot (Band 7 - 5.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 75 of 434                  |

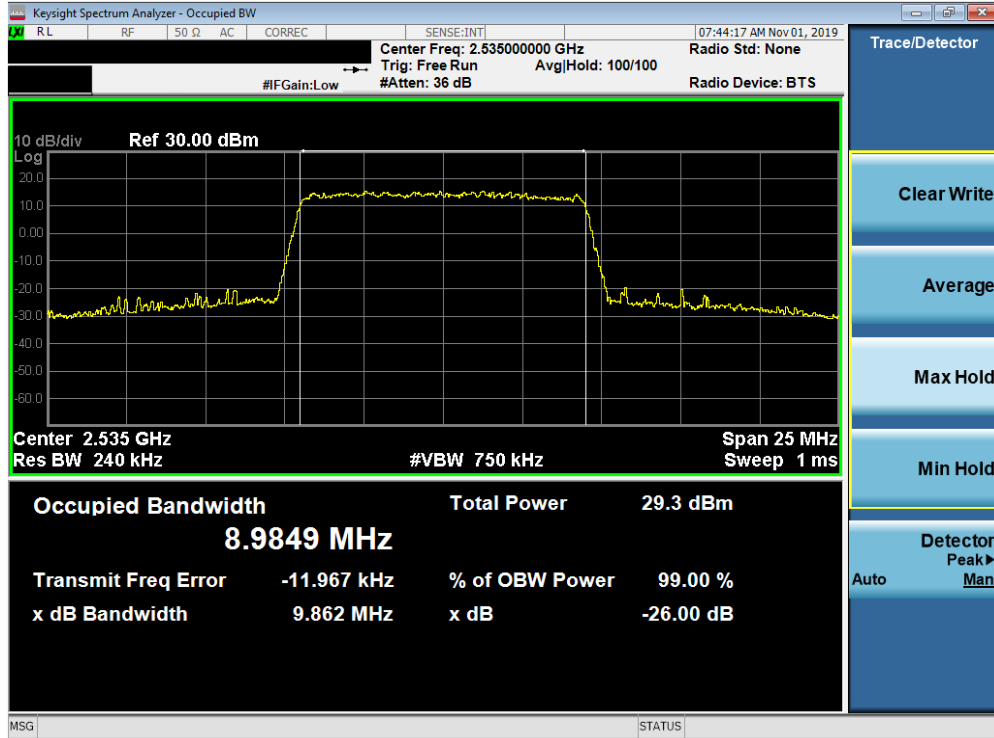


Plot 7-117. Occupied Bandwidth Plot (Band 7 - 10.0MHz QPSK - Full RB Configuration)

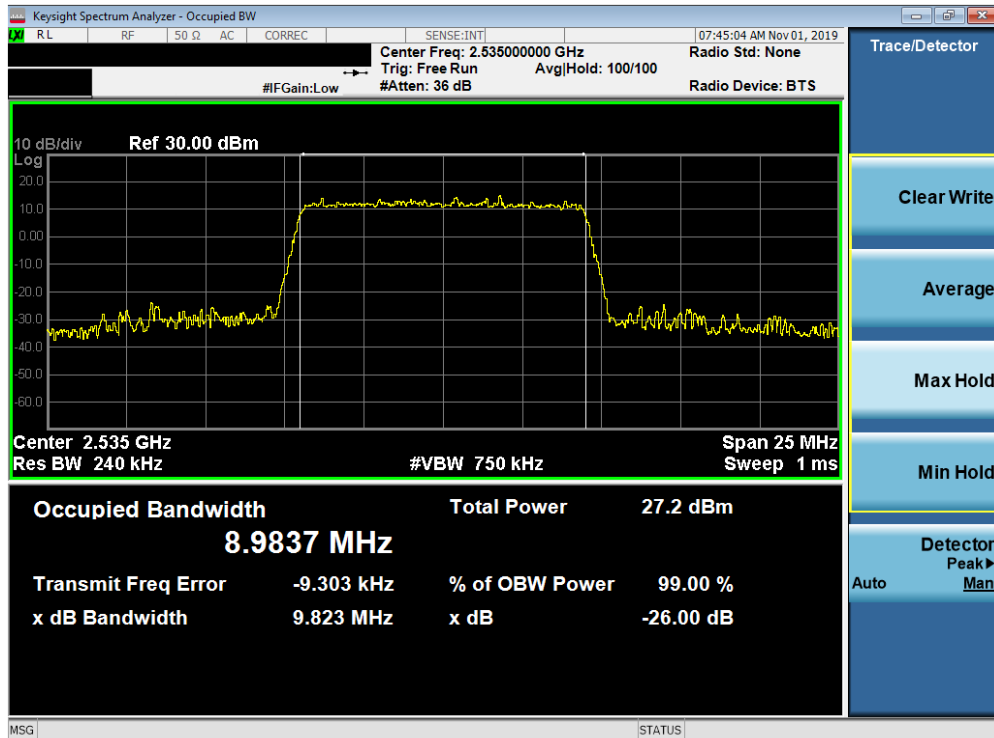


Plot 7-118. Occupied Bandwidth Plot (Band 7 - 10.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 76 of 434                  |

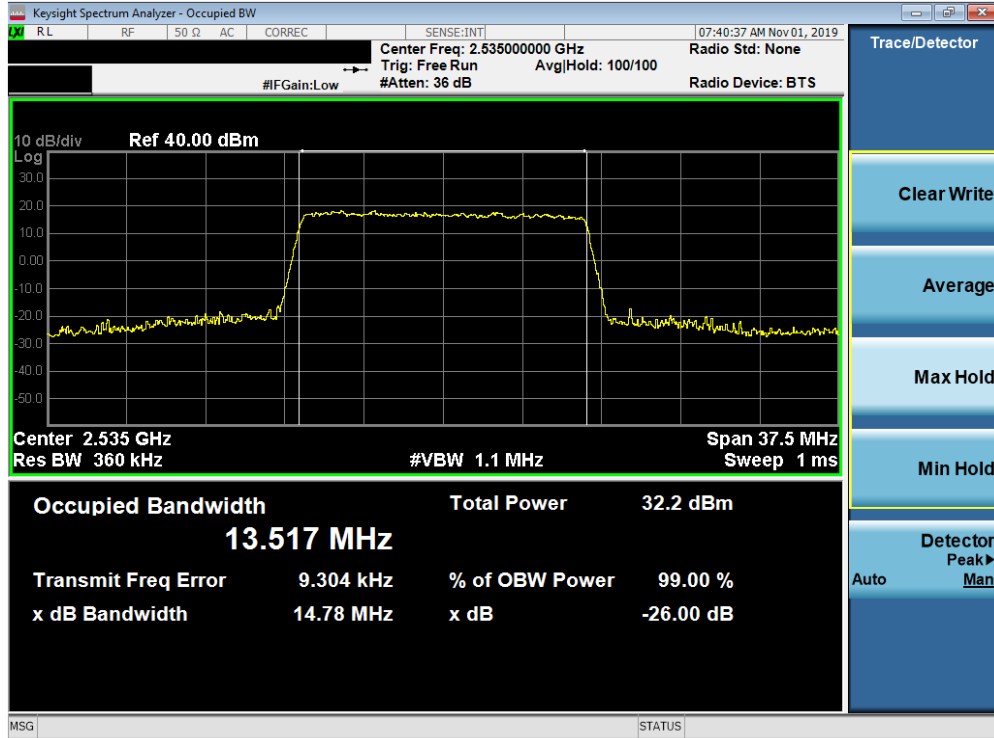


Plot 7-119. Occupied Bandwidth Plot (Band 7 - 10.0MHz 64-QAM - Full RB Configuration)

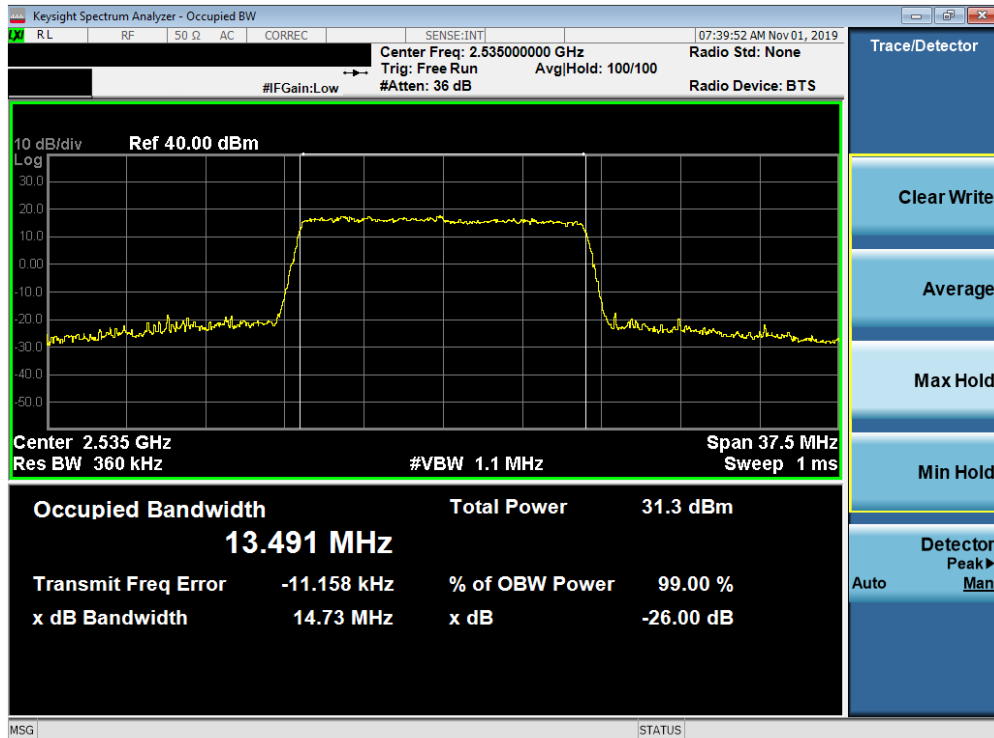


Plot 7-120. Occupied Bandwidth Plot (Band 7 - 10.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 77 of 434                  |



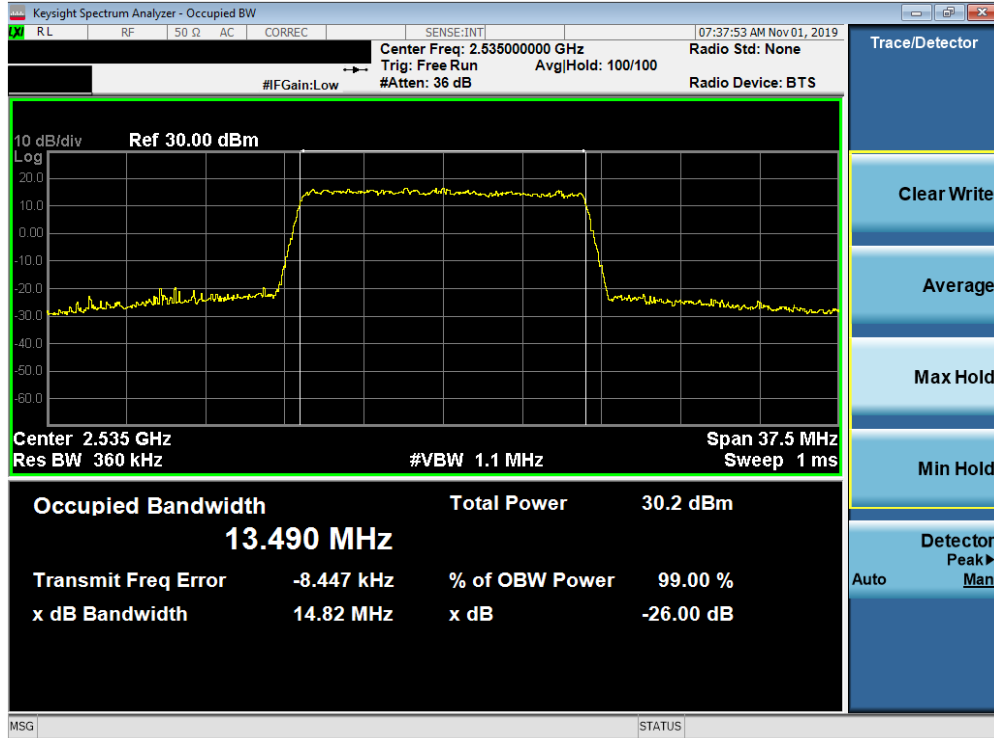
Plot 7-121. Occupied Bandwidth Plot (Band 7 - 15.0MHz QPSK - Full RB Configuration)



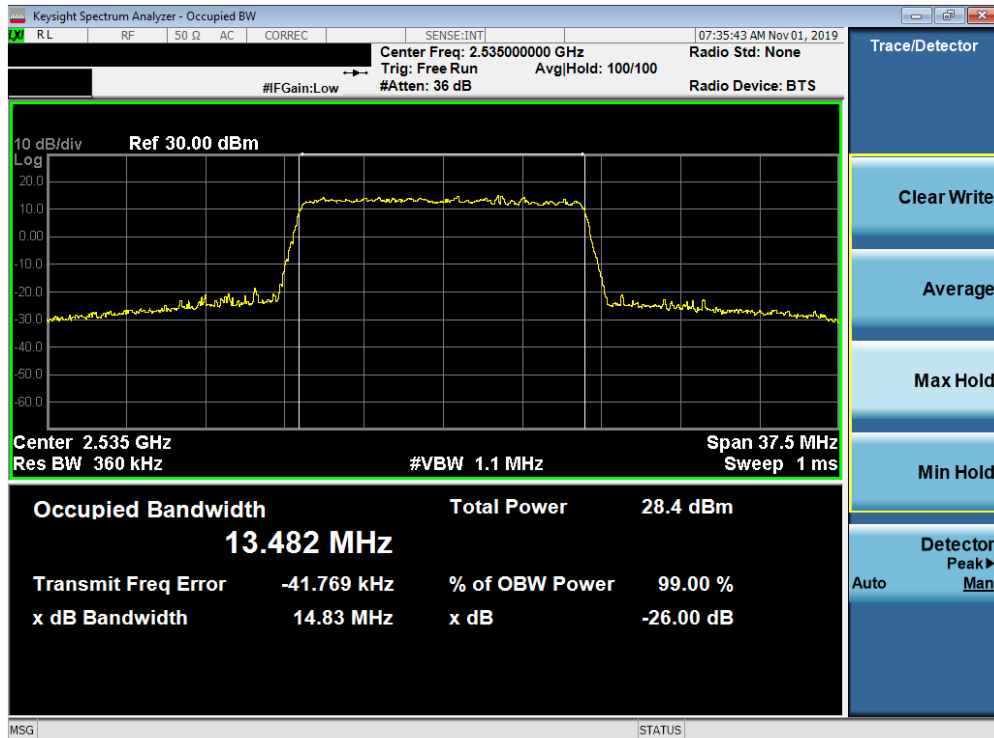
Plot 7-122. Occupied Bandwidth Plot (Band 7 - 15.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 78 of 434                  |



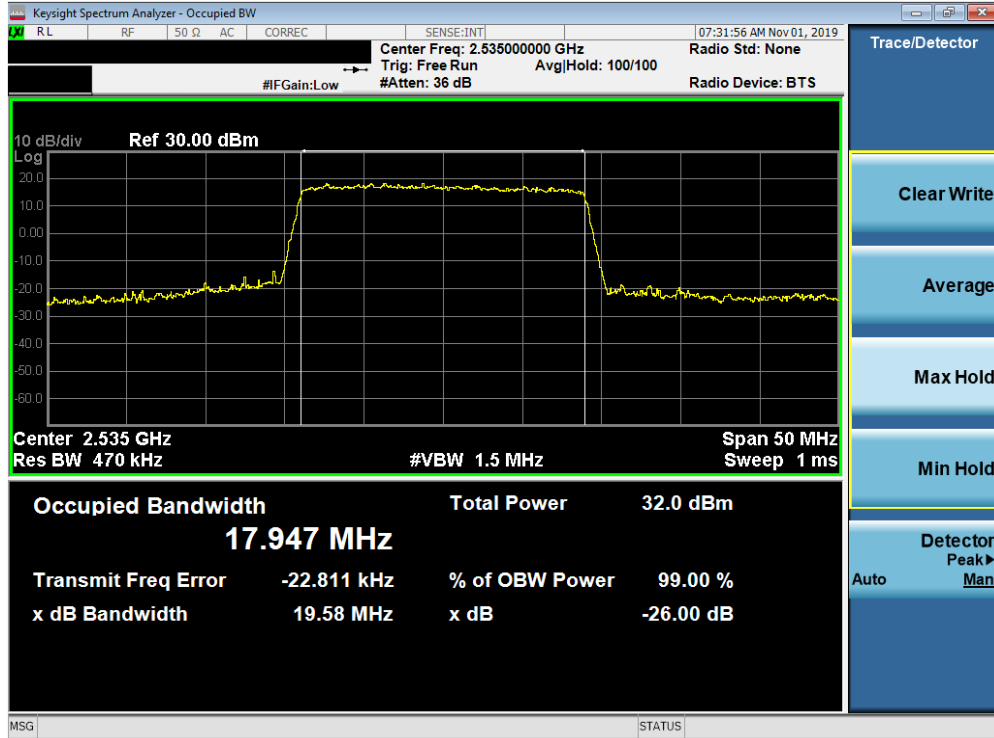


Plot 7-123. Occupied Bandwidth Plot (Band 7 - 15.0MHz 64-QAM - Full RB Configuration)

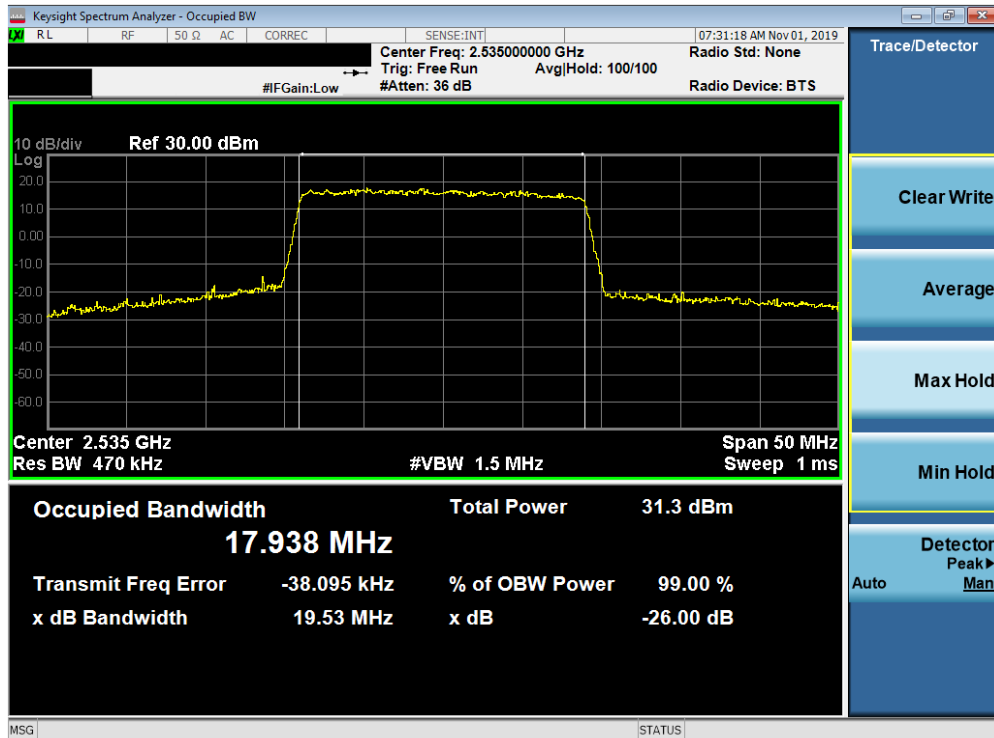


Plot 7-124. Occupied Bandwidth Plot (Band 7 - 15.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 79 of 434                  |

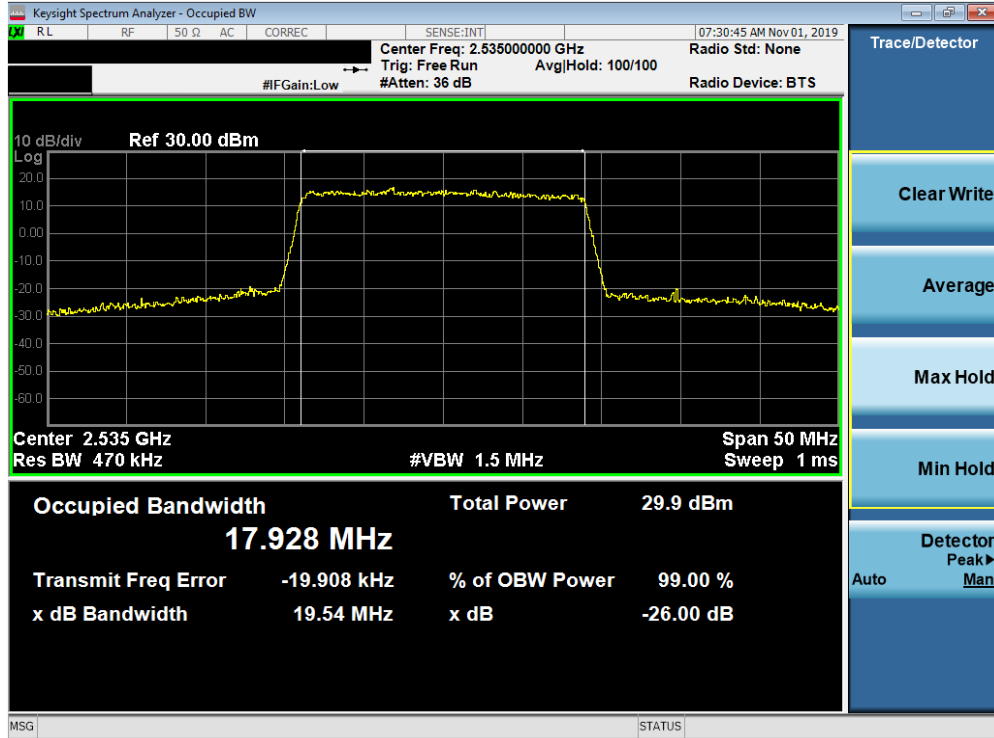


Plot 7-125. Occupied Bandwidth Plot (Band 7 - 20.0MHz QPSK - Full RB Configuration)

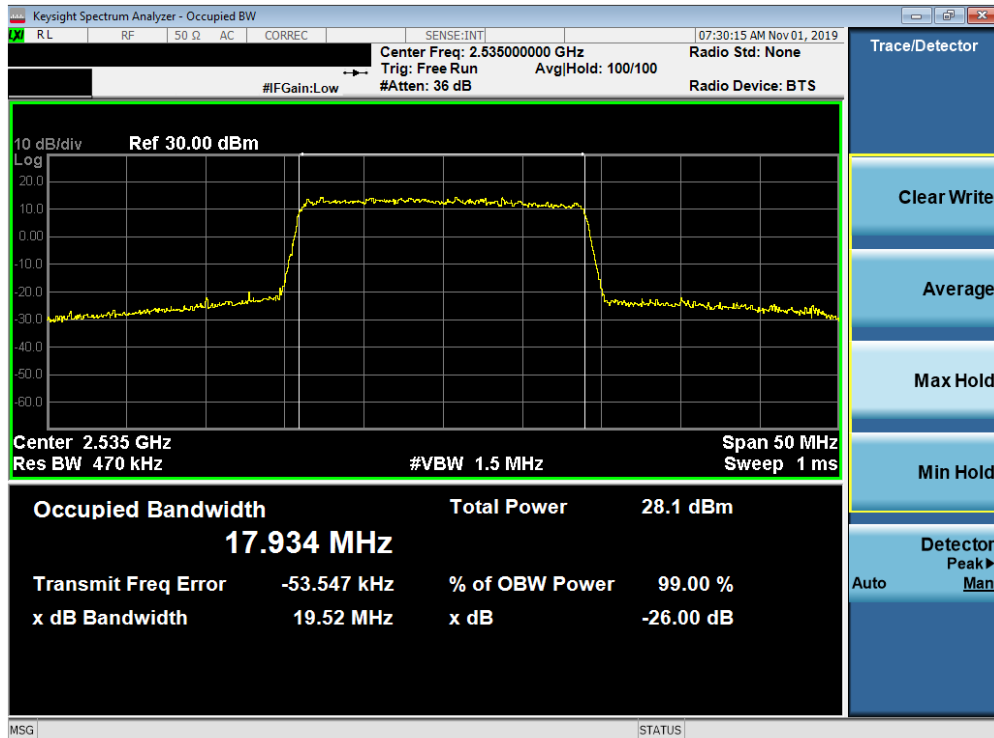


Plot 7-126. Occupied Bandwidth Plot (Band 7 - 20.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 80 of 434                  |



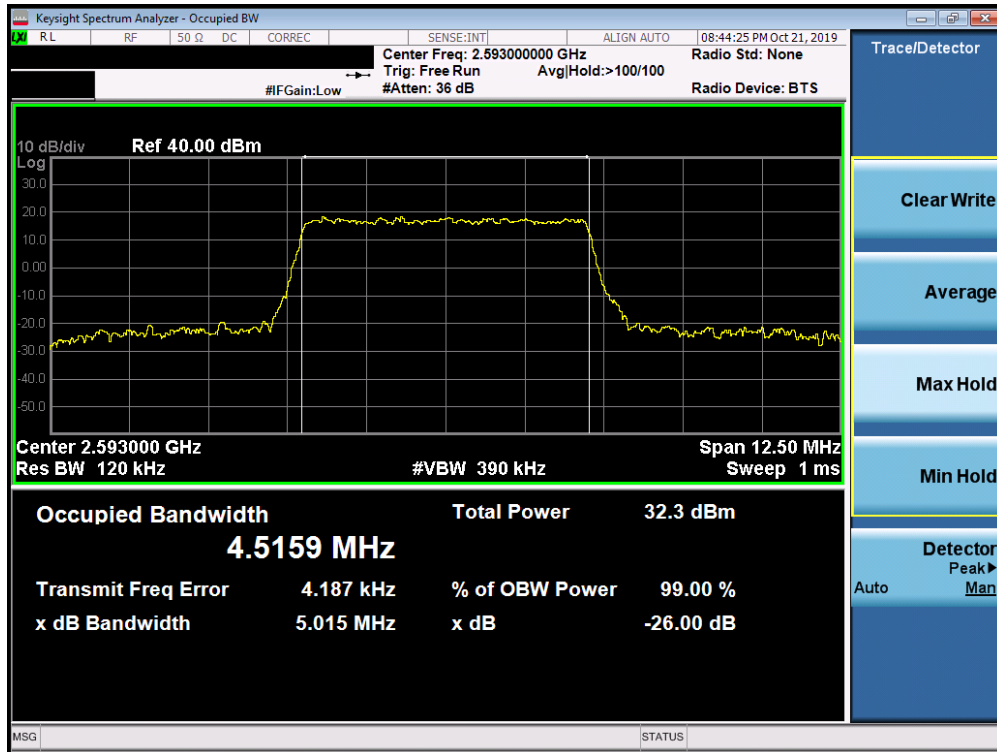
Plot 7-127. Occupied Bandwidth Plot (Band 7 - 20.0MHz 64-QAM - Full RB Configuration)



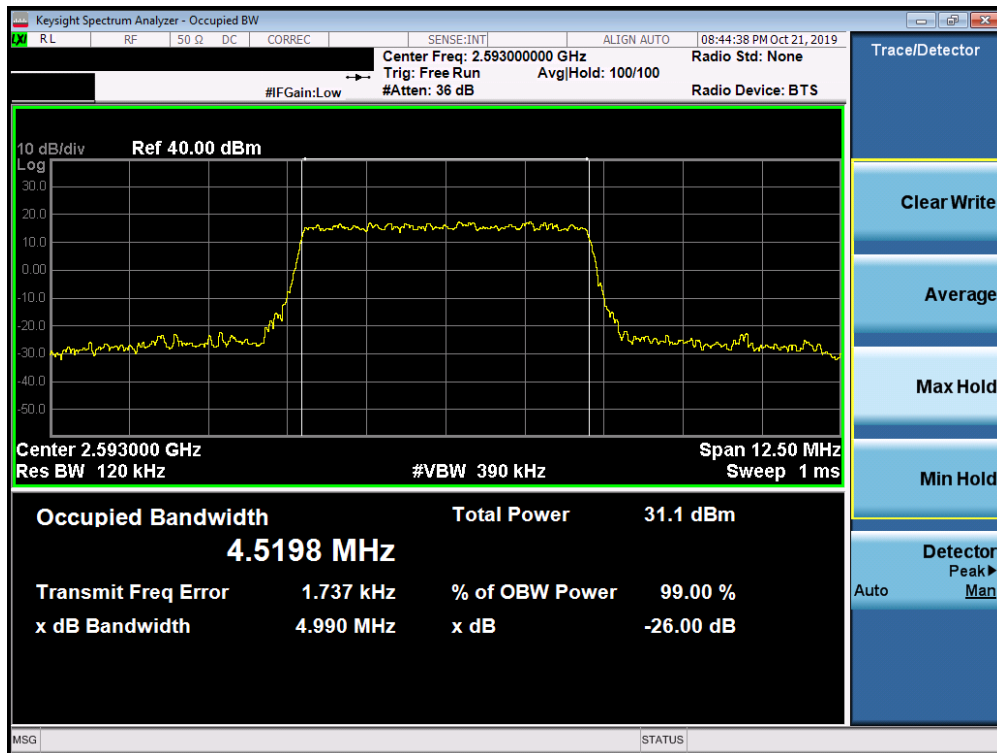
Plot 7-128. Occupied Bandwidth Plot (Band 7 - 20.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 81 of 434                  |

### Band 41 (PC3)

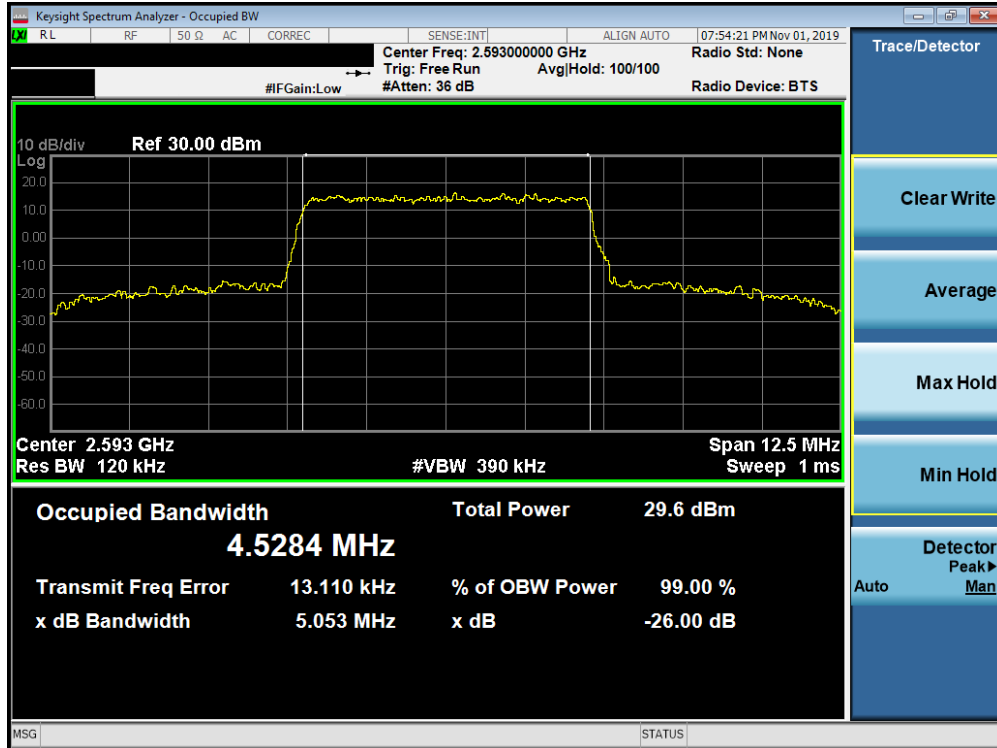


Plot 7-129. Occupied Bandwidth Plot (Band 41 (PC3) - 5.0MHz QPSK - Full RB Configuration)

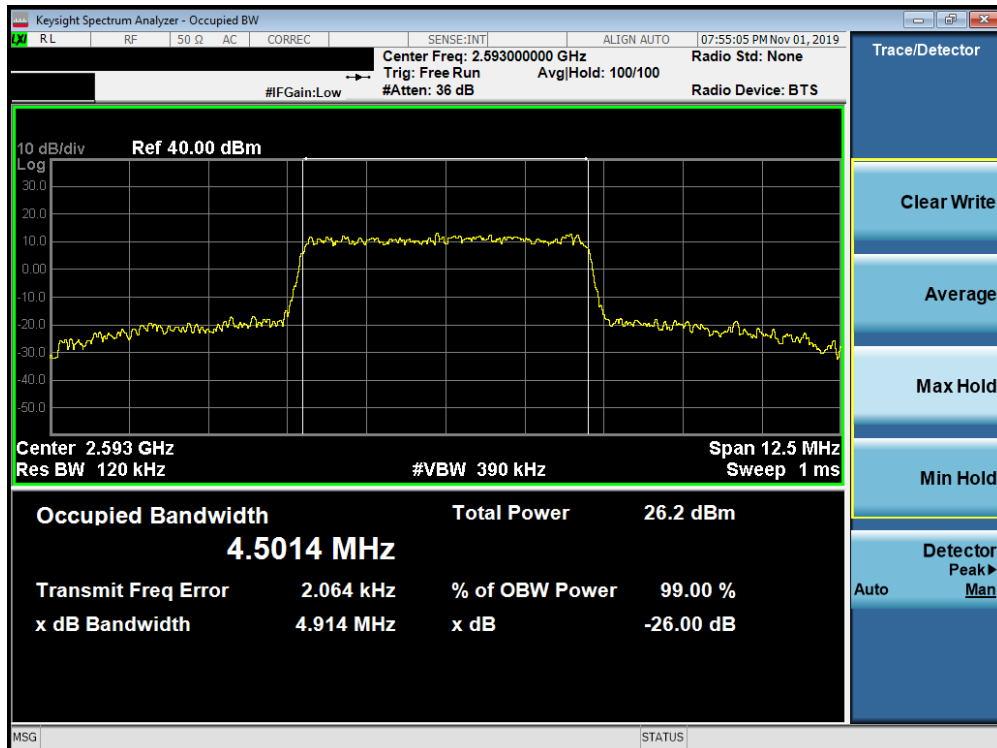


Plot 7-130. Occupied Bandwidth Plot (Band 41 (PC3) - 5.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 82 of 434                  |

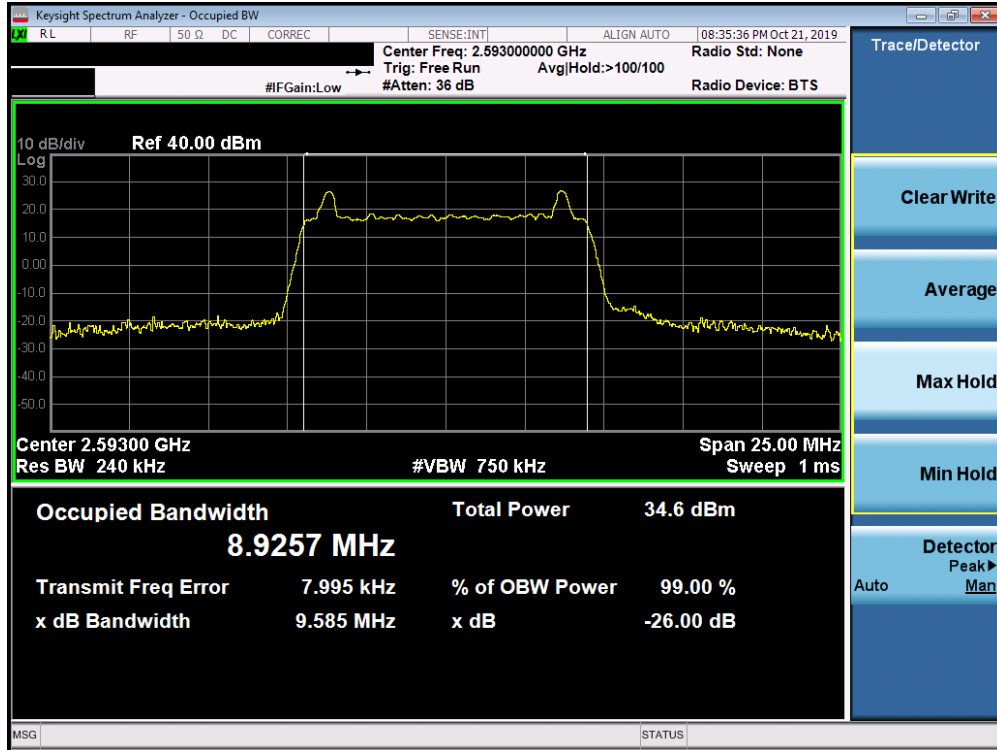


Plot 7-131. Occupied Bandwidth Plot (Band 41 (PC3) - 5.0MHz 64-QAM - Full RB Configuration)

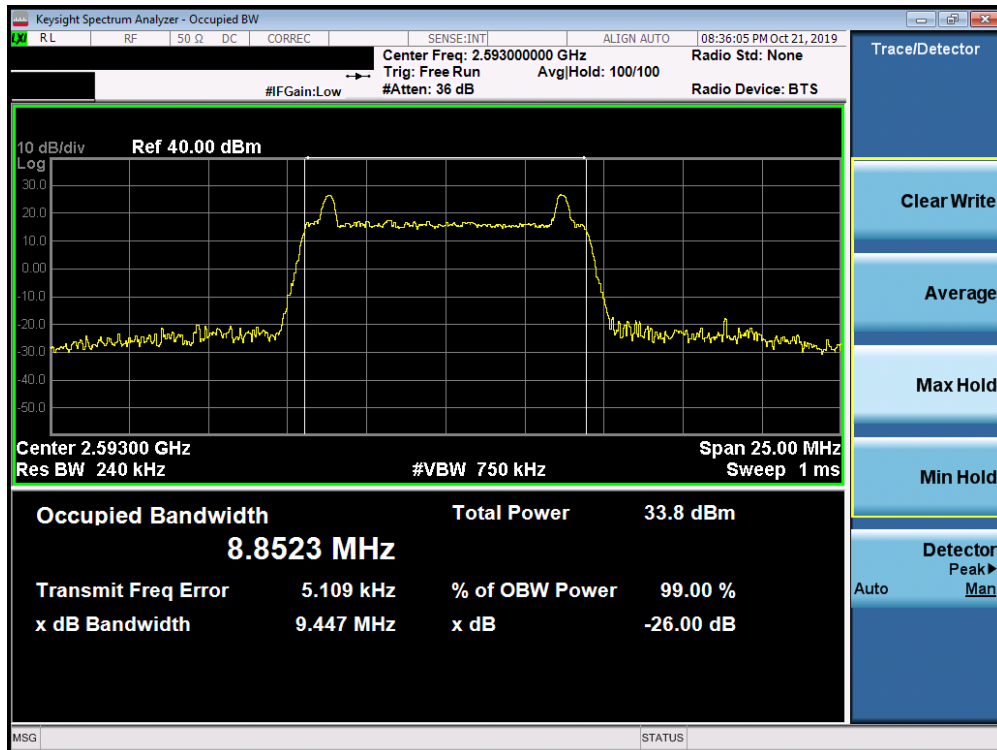


Plot 7-132. Occupied Bandwidth Plot (Band 41 (PC3) - 5.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 83 of 434                  |



Plot 7-133. Occupied Bandwidth Plot (Band 41 (PC3) - 10.0MHz QPSK - Full RB Configuration)

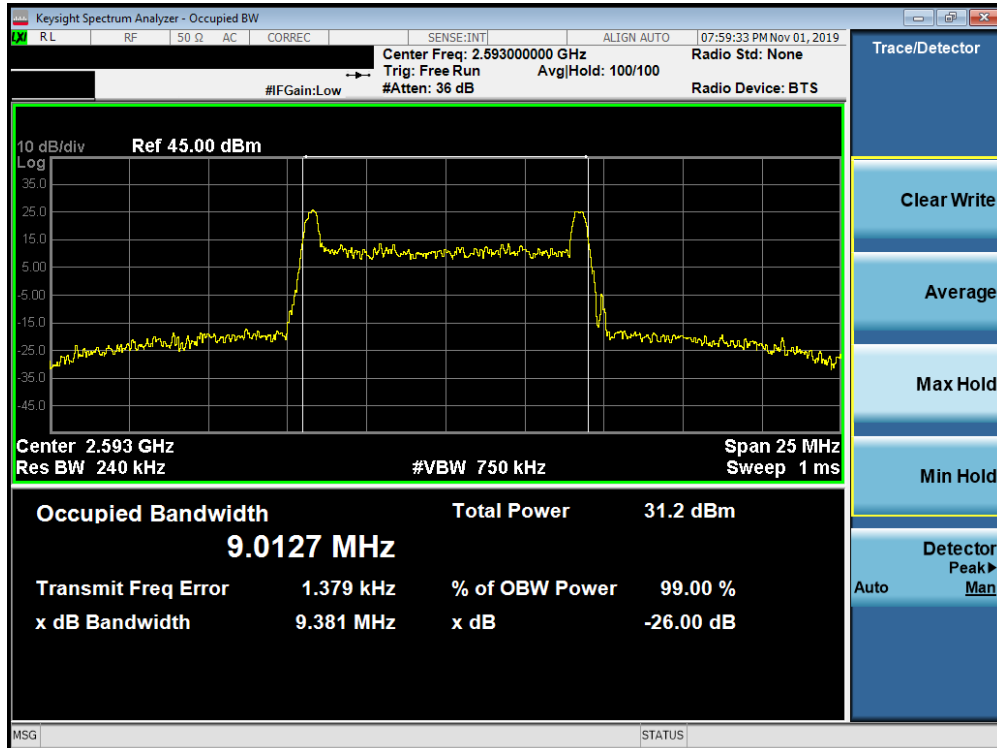


Plot 7-134. Occupied Bandwidth Plot (Band 41 (PC3) - 10.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 84 of 434                  |

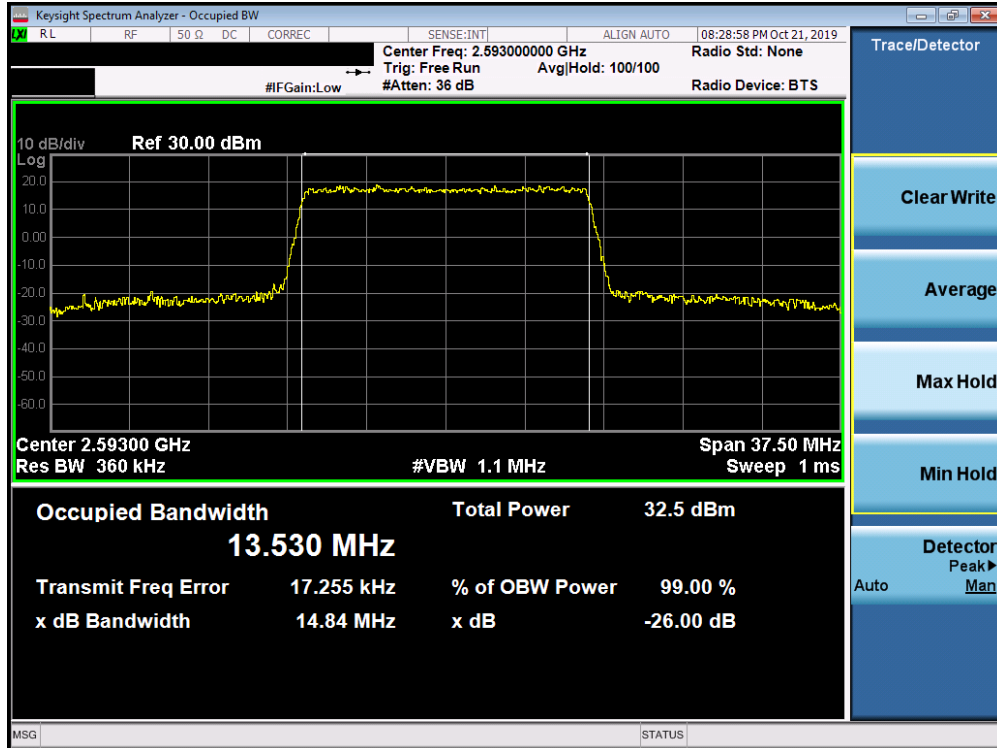


Plot 7-135. Occupied Bandwidth Plot (Band 41 (PC3) - 10.0MHz 64-QAM - Full RB Configuration)

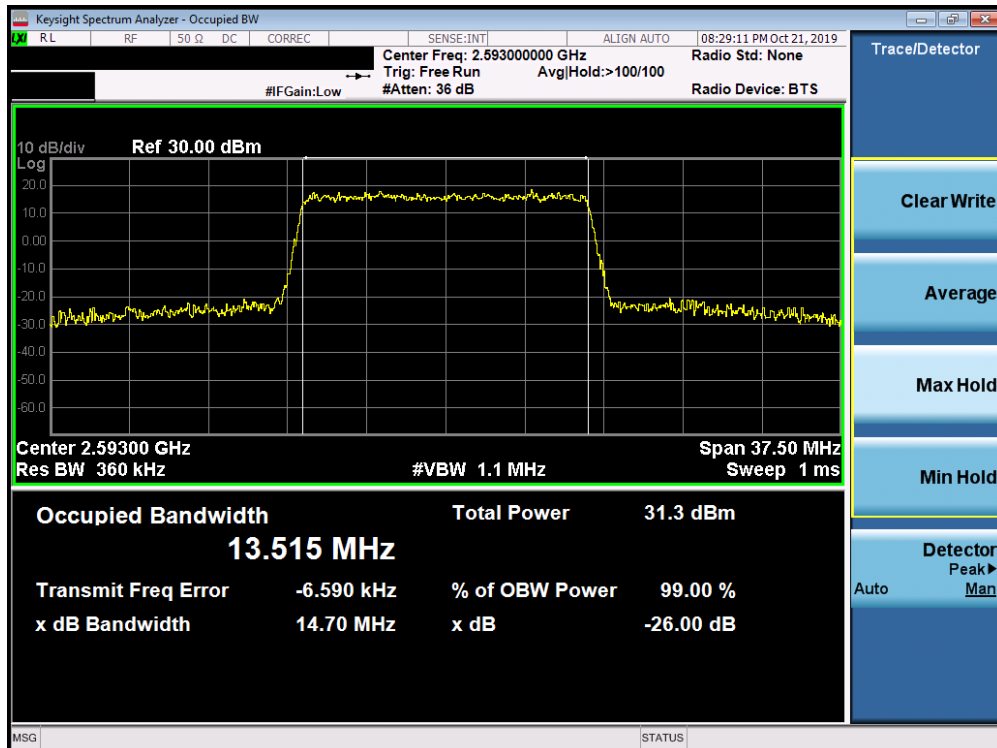


Plot 7-136. Occupied Bandwidth Plot (Band 41 (PC3) - 10.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 85 of 434                  |



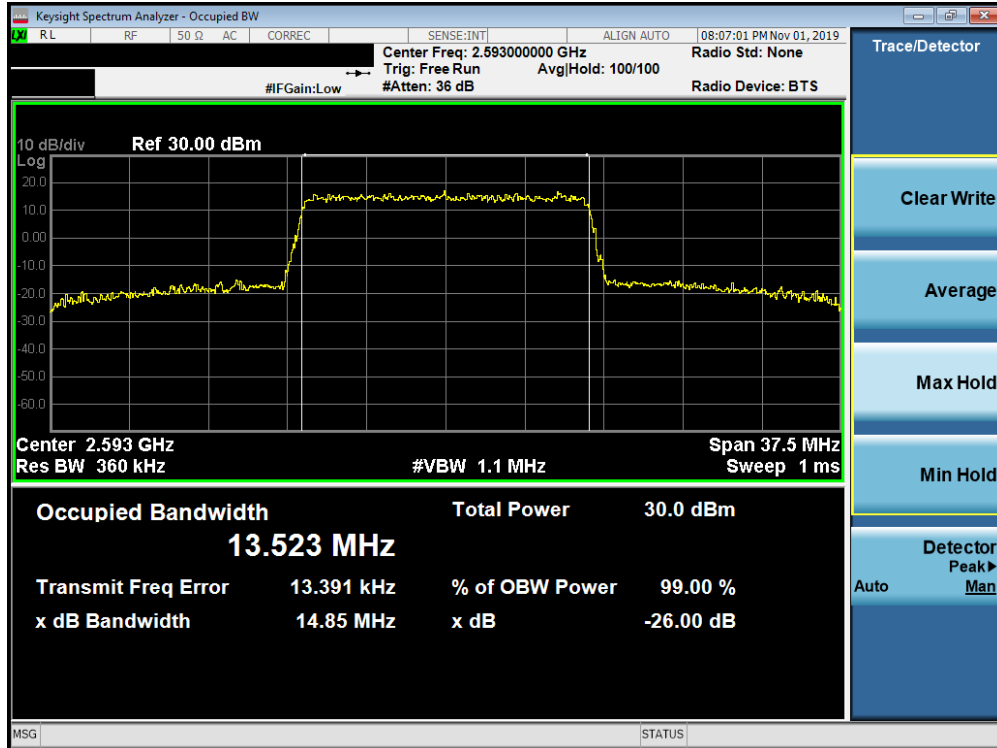
Plot 7-137. Occupied Bandwidth Plot (Band 41 (PC3) - 15.0MHz QPSK - Full RB Configuration)



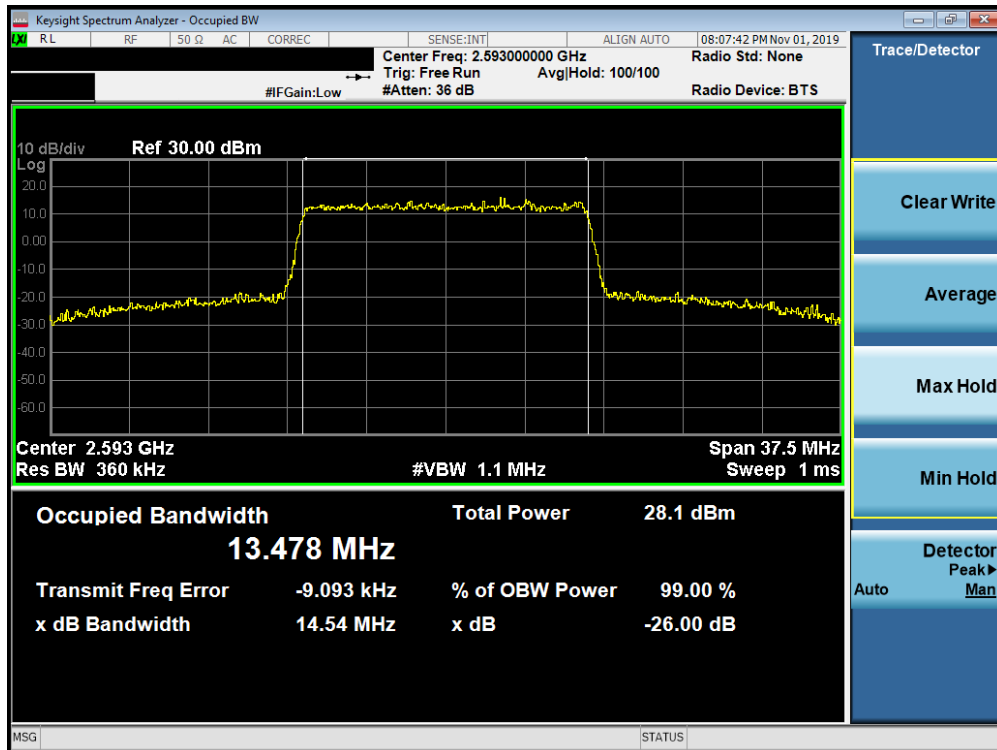
Plot 7-138. Occupied Bandwidth Plot (Band 41 (PC3) - 15.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 86 of 434                  |



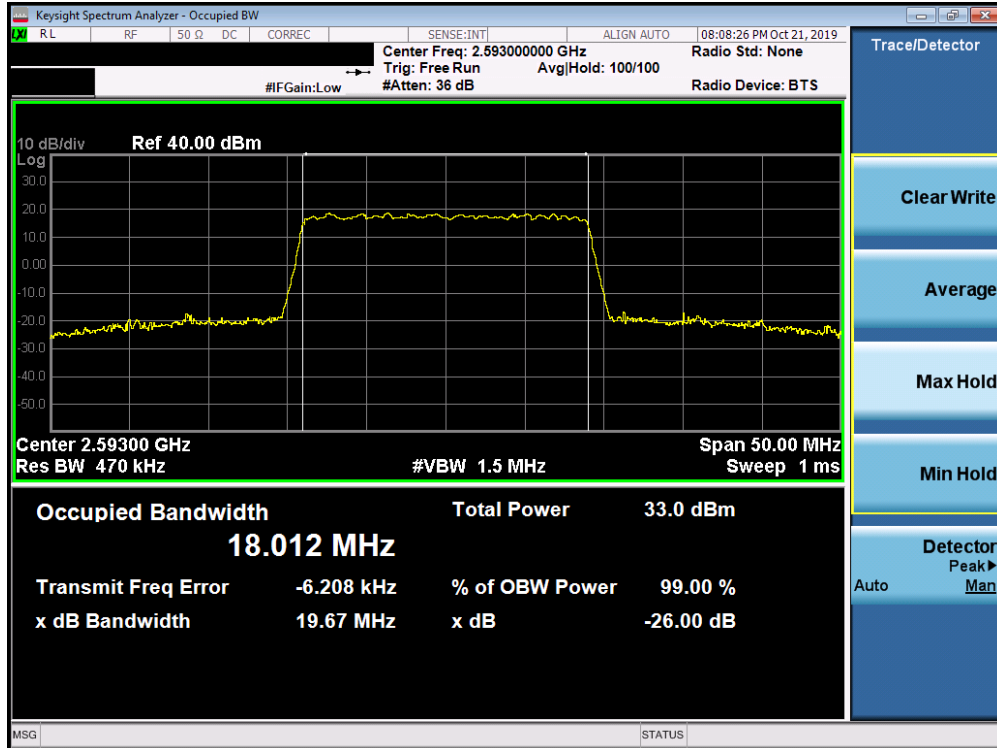


Plot 7-139. Occupied Bandwidth Plot (Band 41 (PC3) - 15.0MHz 64-QAM - Full RB Configuration)

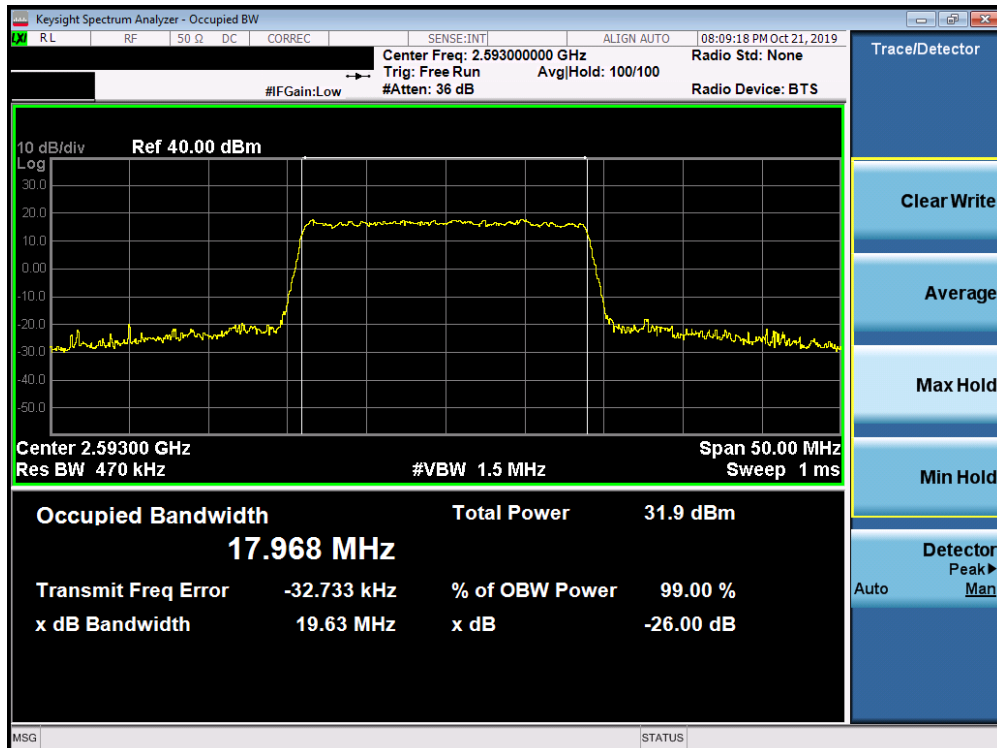


Plot 7-140. Occupied Bandwidth Plot (Band 41 (PC3) - 15.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 87 of 434                  |

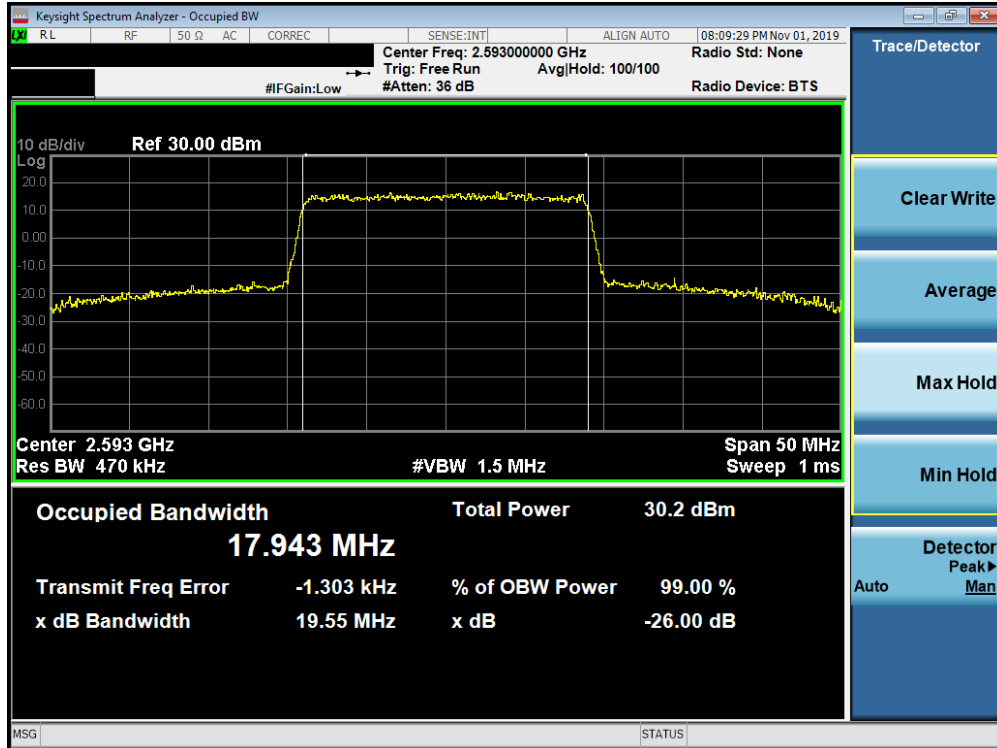


Plot 7-141. Occupied Bandwidth Plot (Band 41 (PC3) - 20.0MHz QPSK - Full RB Configuration)

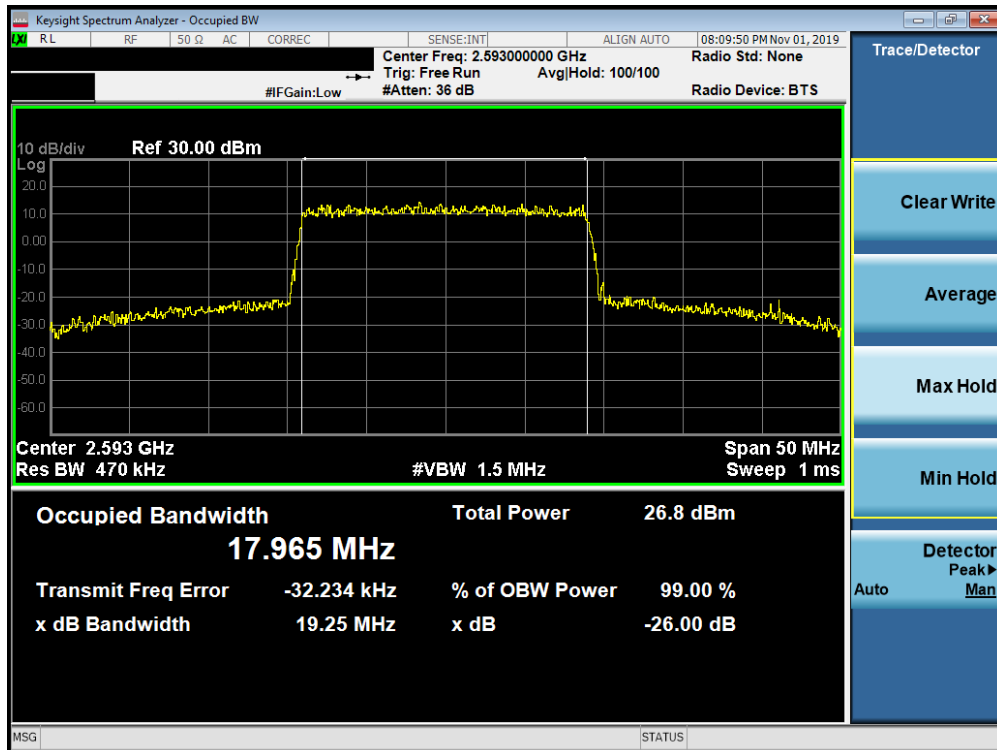


Plot 7-142. Occupied Bandwidth Plot (Band 41 (PC3) - 20.0MHz 16-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 88 of 434                  |



Plot 7-143. Occupied Bandwidth Plot (Band 41 (PC3) - 20.0MHz 64-QAM - Full RB Configuration)



Plot 7-144. Occupied Bandwidth Plot (Band 41 (PC3) - 20.0MHz 256-QAM - Full RB Configuration)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 89 of 434                  |

### 7.3 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 its maximum duty cycle, 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  $43 + 10 \log_{10}(P_{[Watts]})$ , where P is the transmitter power in Watts.**

**For Band 30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is  $70 + 10 \log_{10}(P_{[Watts]})$ .**

**For Band 7 and 41, the minimum permissible attenuation level of any spurious emission is  $55 + 10 \log_{10}(P_{[Watts]})$ .**

#### Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

#### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to at least 10 \* the fundamental frequency (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

#### Test Setup

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

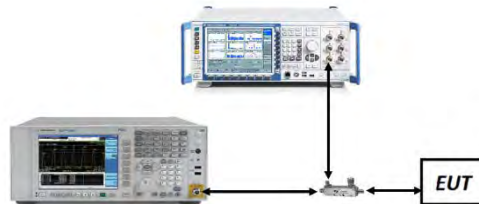


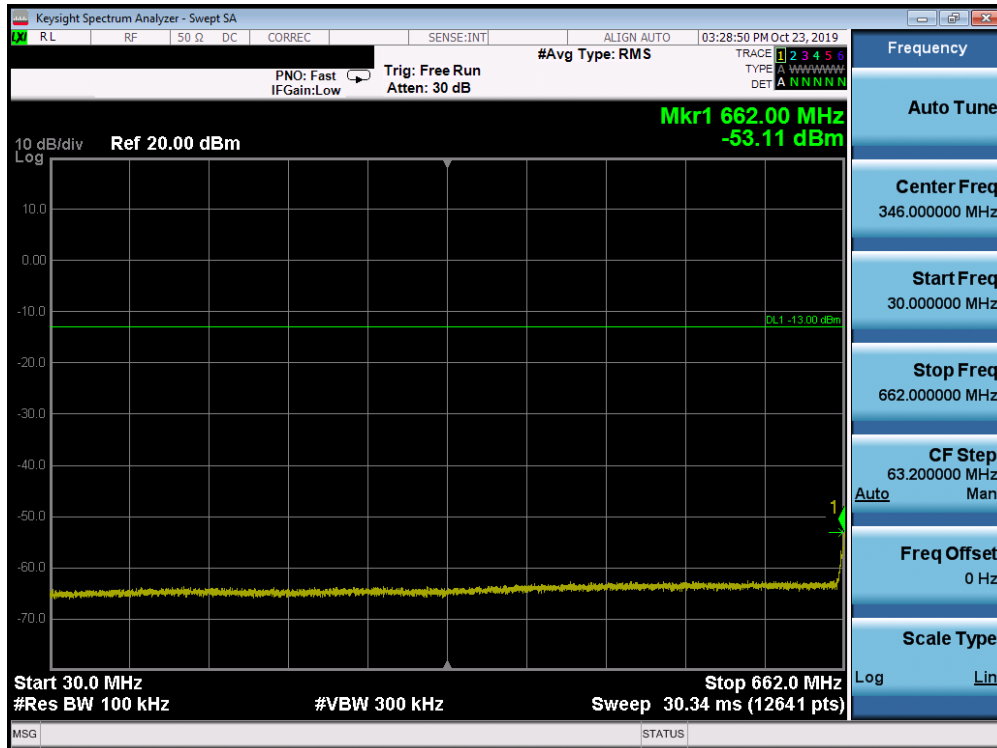
Figure 7-2. Test Instrument & Measurement Setup

#### Test Notes

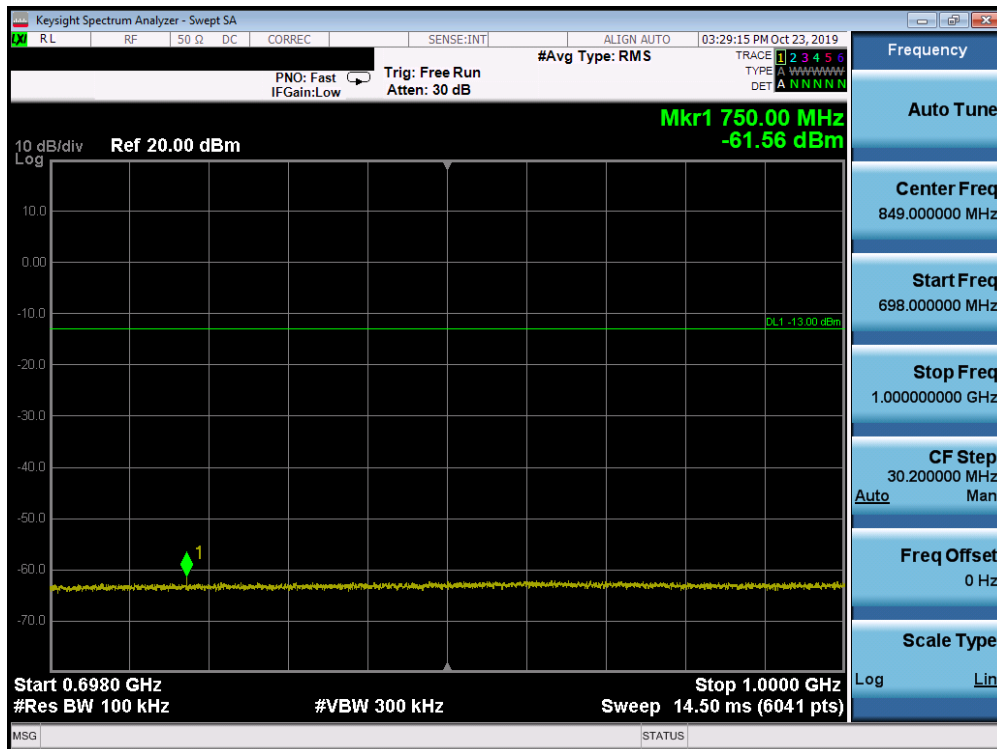
Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

|   |   |                                       |   |                                 |
|---|---|---------------------------------------|---|---------------------------------|
| FCC ID: A3LSMG986W                      |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20  | EUT Type:<br>Portable Handset         | Page 90 of 434  |                                 |

# Band 71



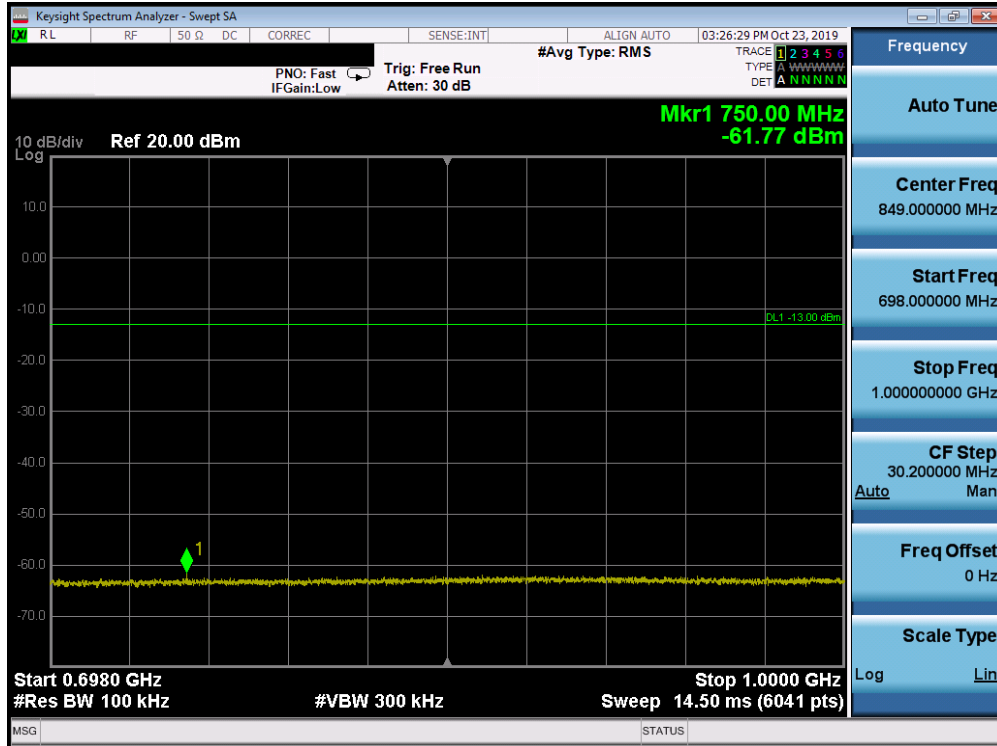
Plot 7-145. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



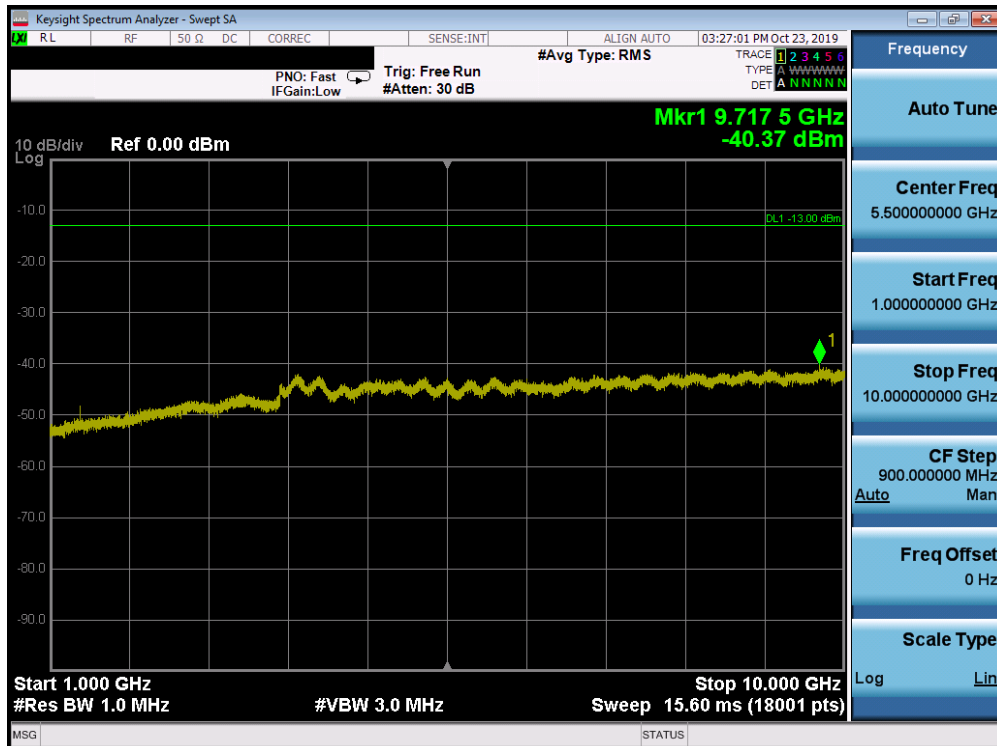
Plot 7-146. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 91 of 434                  |



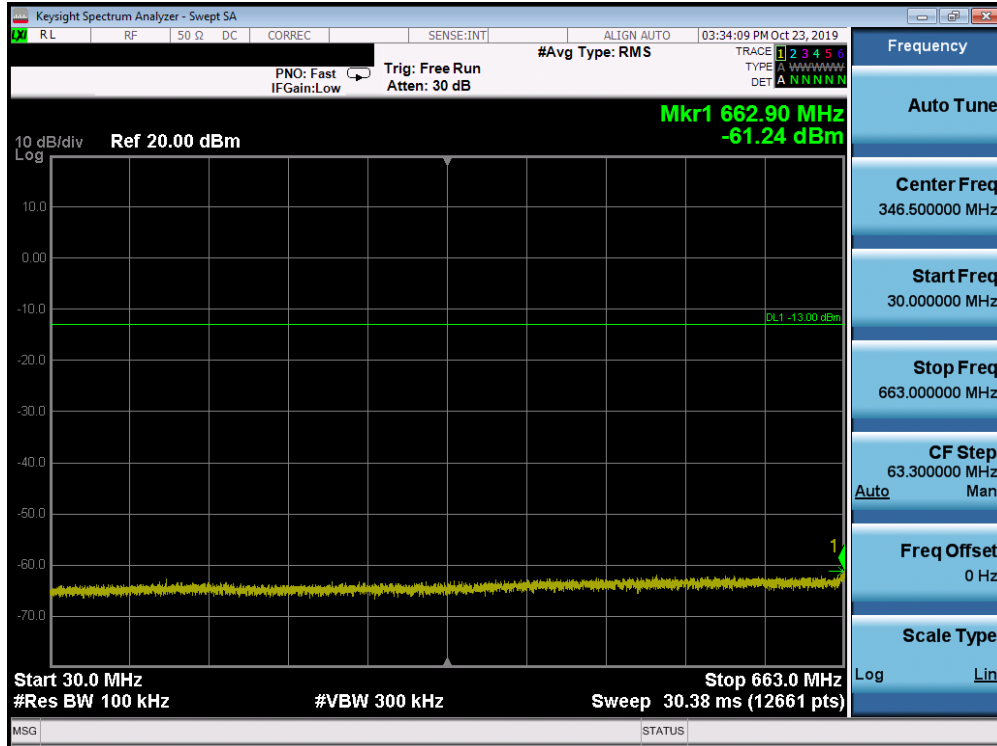


Plot 7-149. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

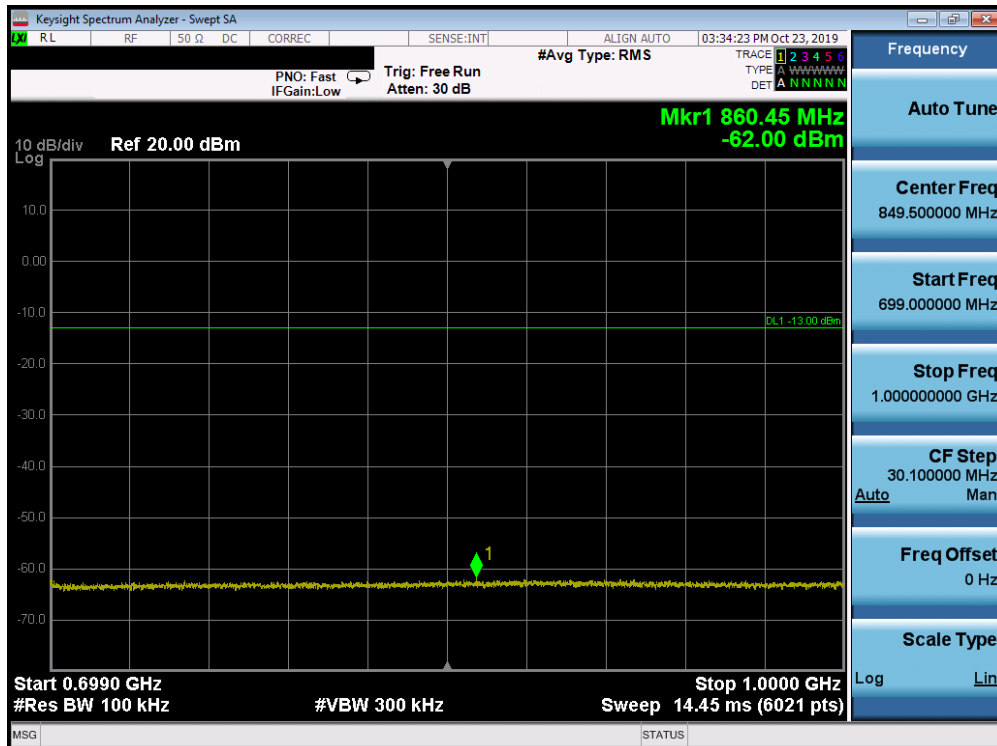


Plot 7-150. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 93 of 434                  |



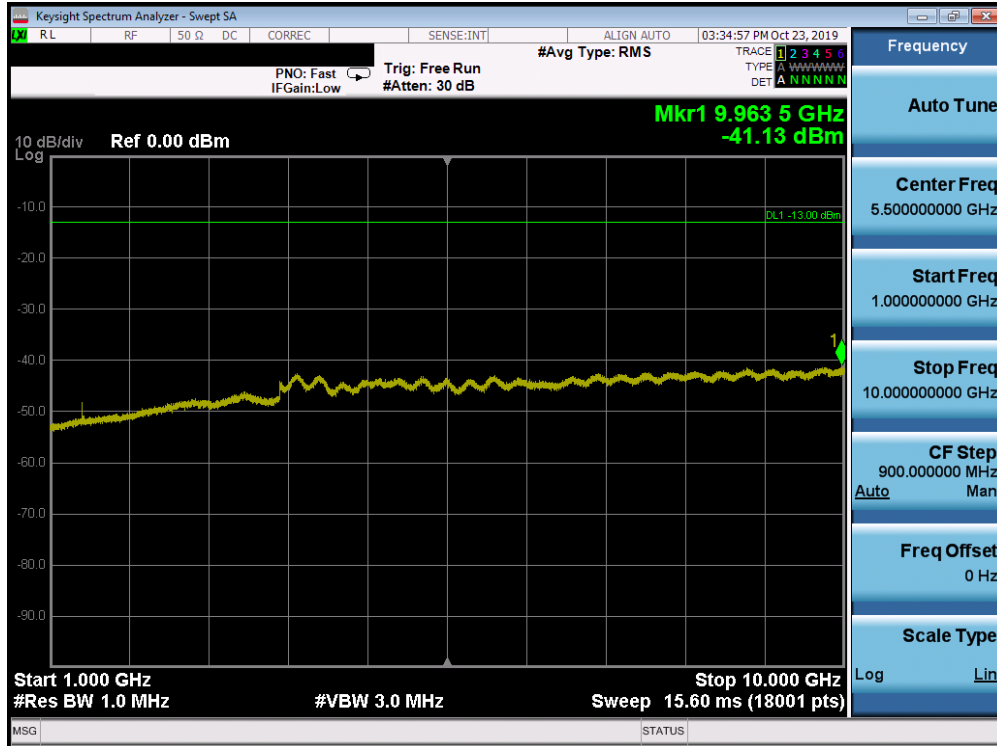
Plot 7-151. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-152. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 94 of 434                  |

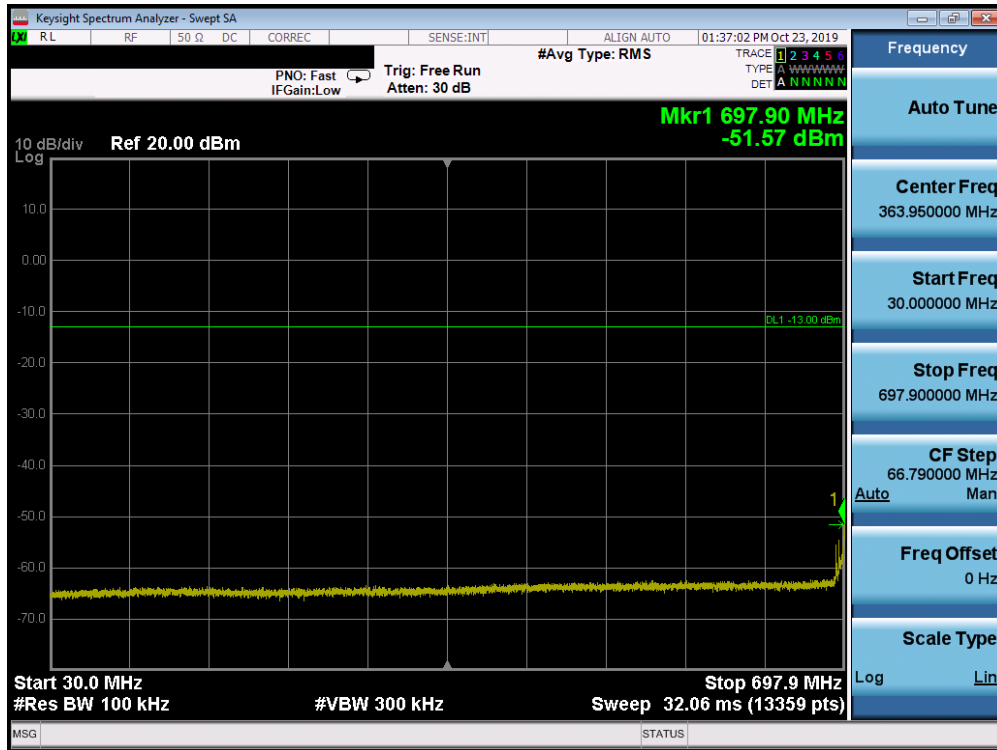




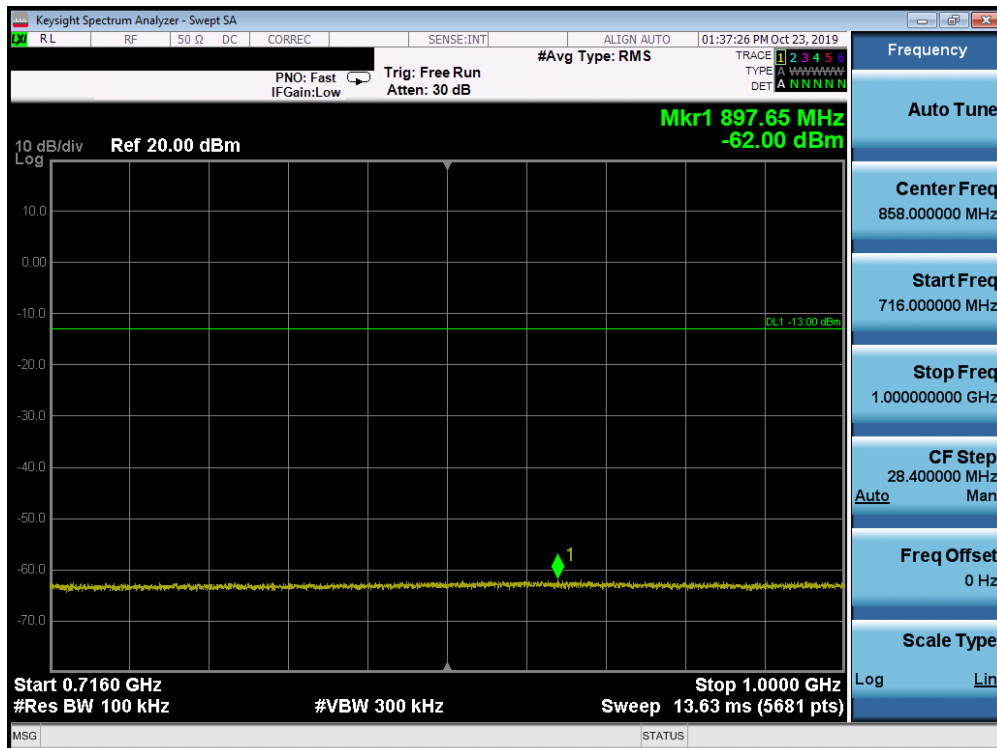
Plot 7-153. Conducted Spurious Plot (Band 71 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 95 of 434                  |

### Band 12



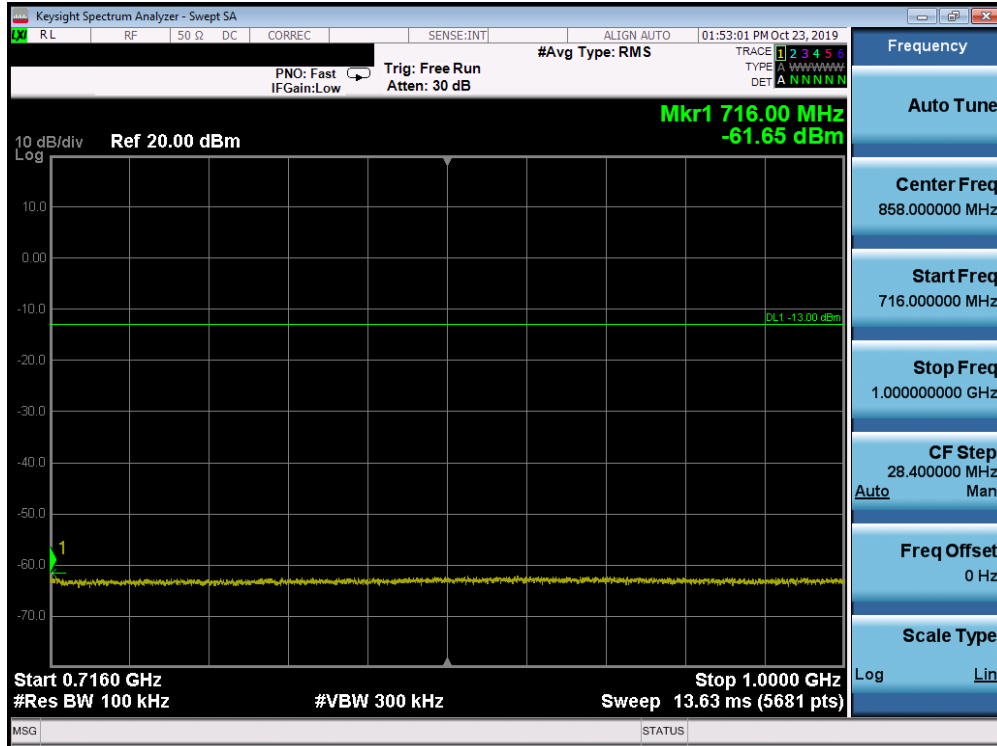
Plot 7-154. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



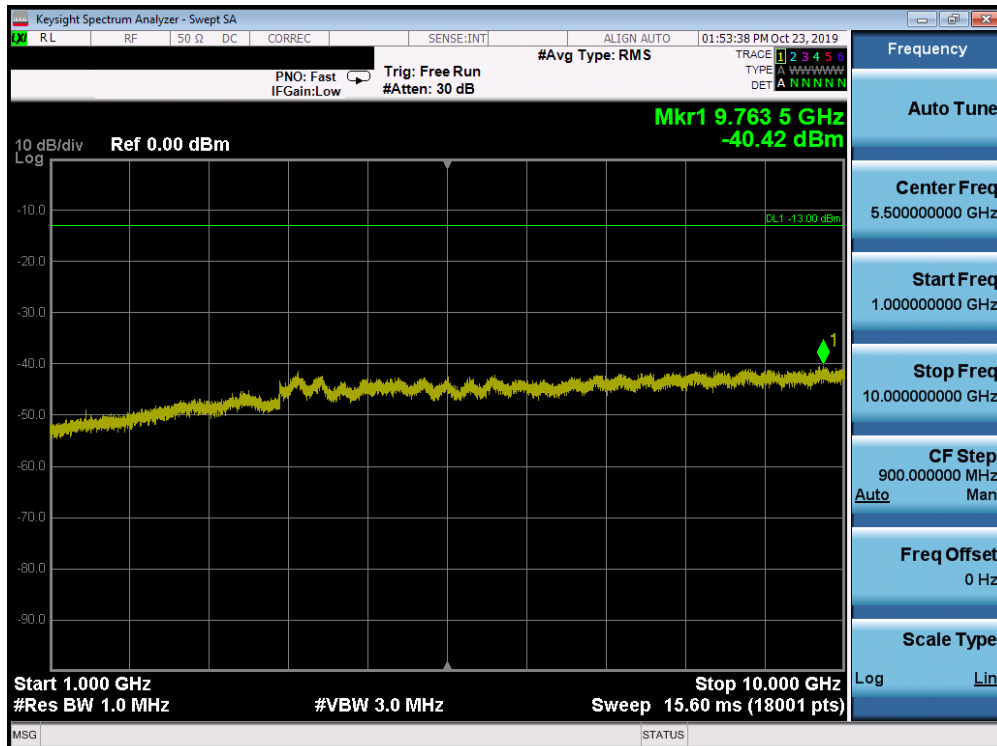
Plot 7-155. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 96 of 434                  |



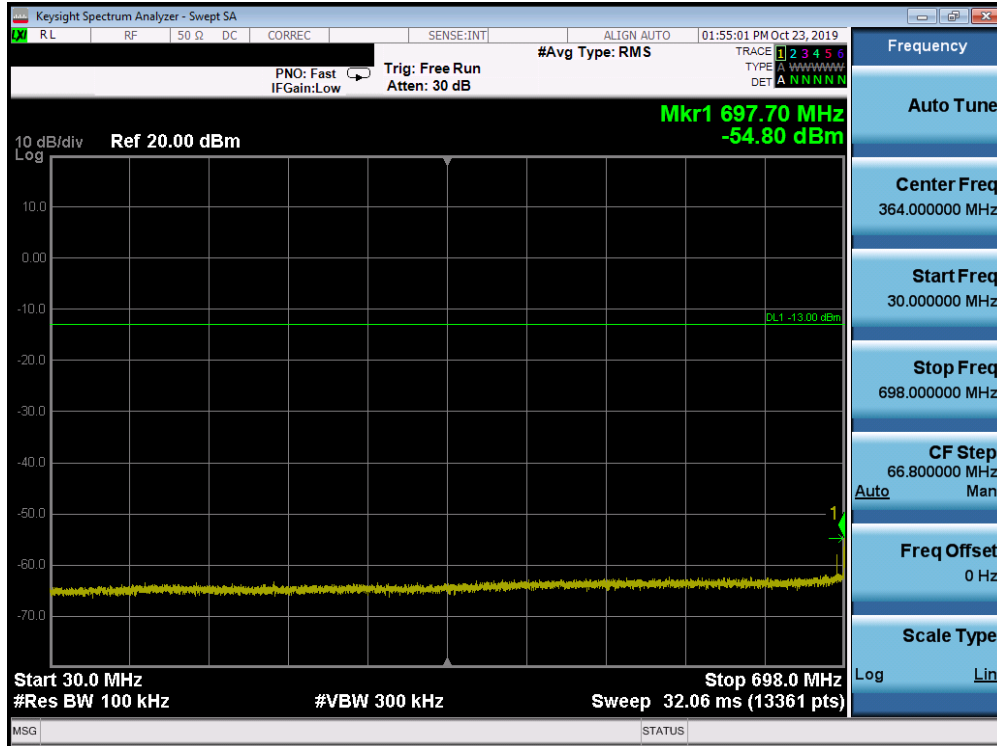


Plot 7-158. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

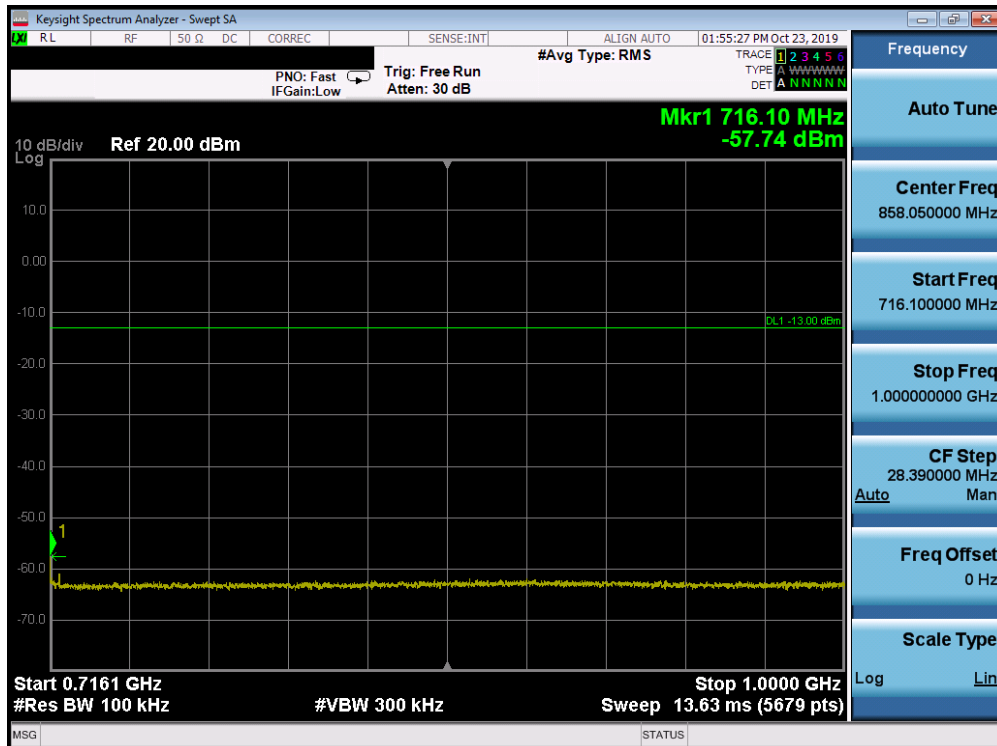


Plot 7-159. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 98 of 434                  |

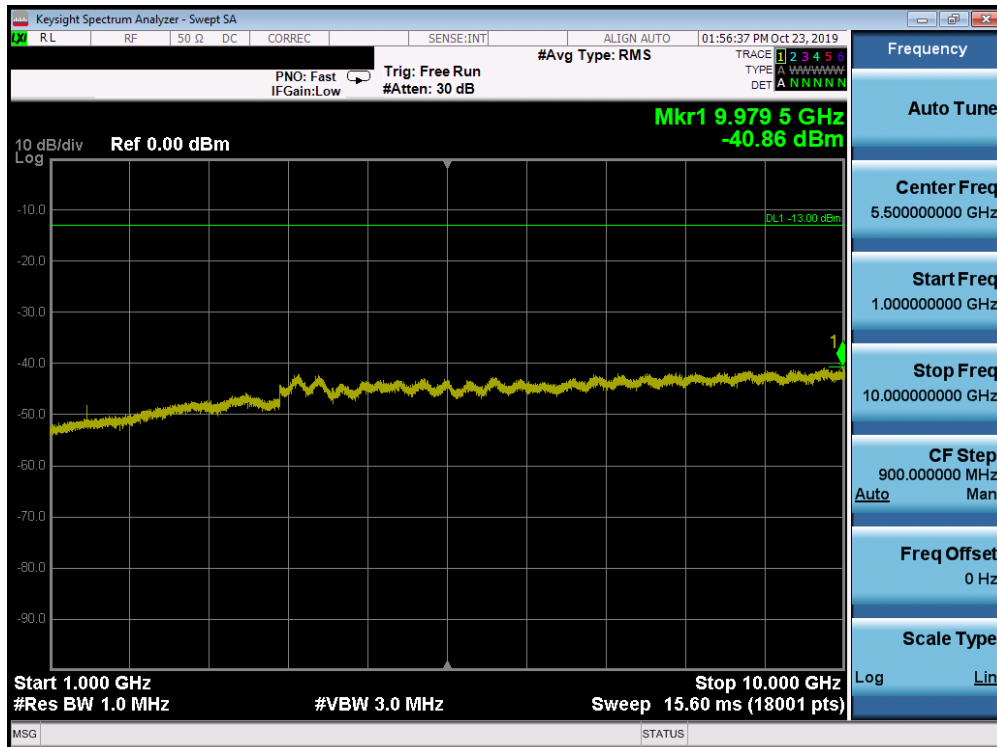


Plot 7-160. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-161. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

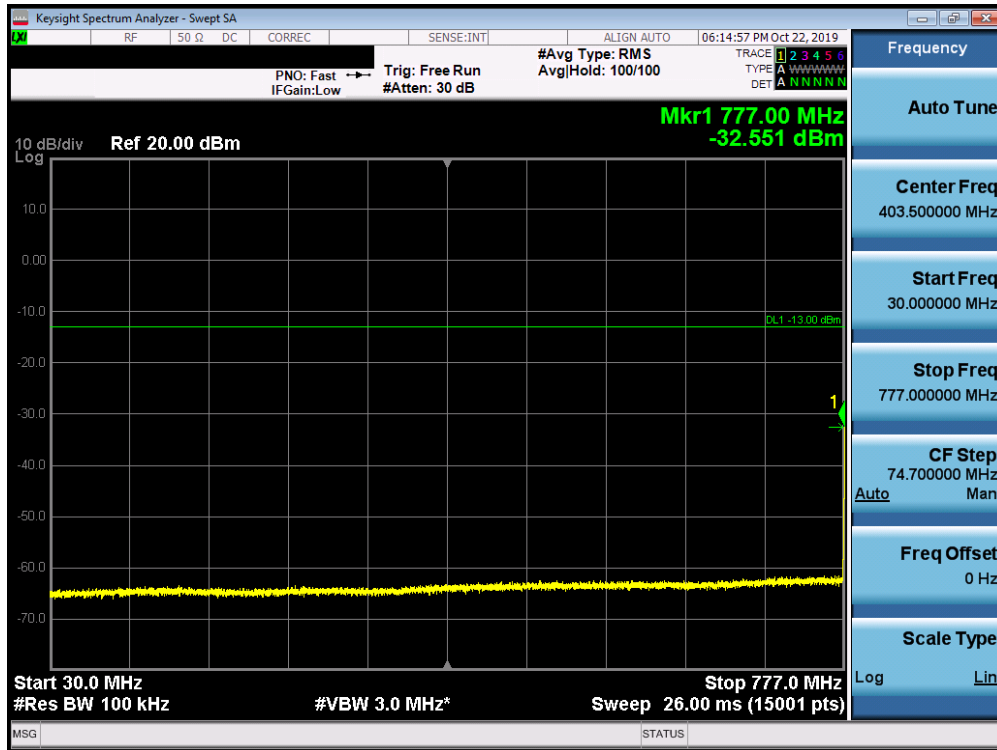
|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 99 of 434                  |



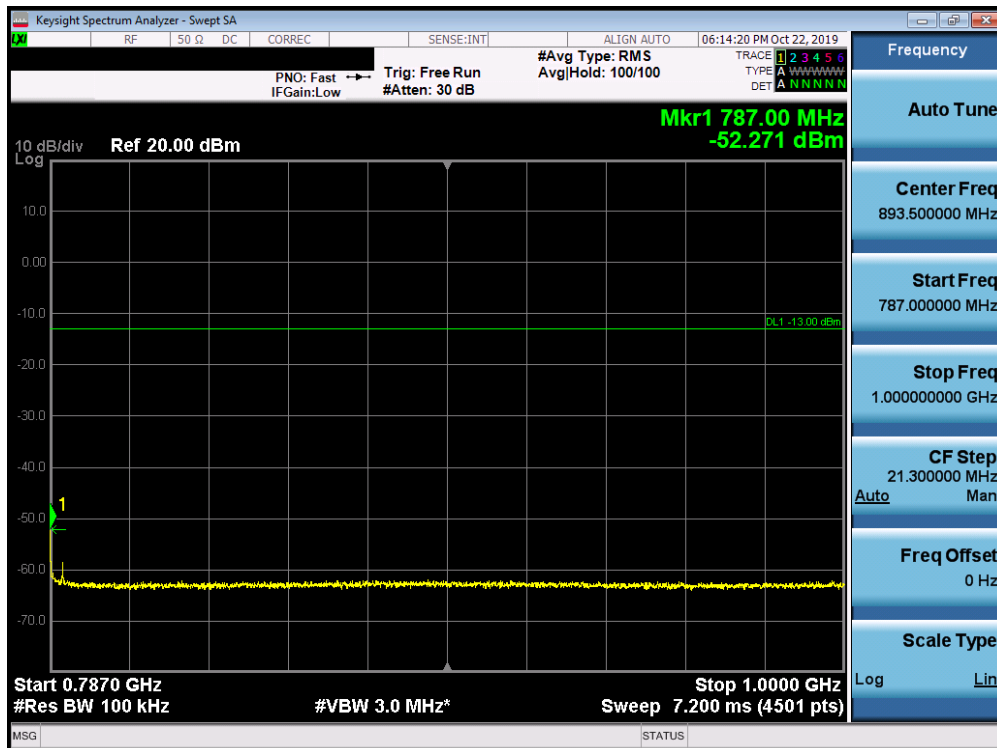
Plot 7-162. Conducted Spurious Plot (Band 12 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
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**Band 13**



**Plot 7-163. Conducted Spurious Plot (Band 13 - 10.0MHz QPSK - RB Size 1, RB Offset 0)**



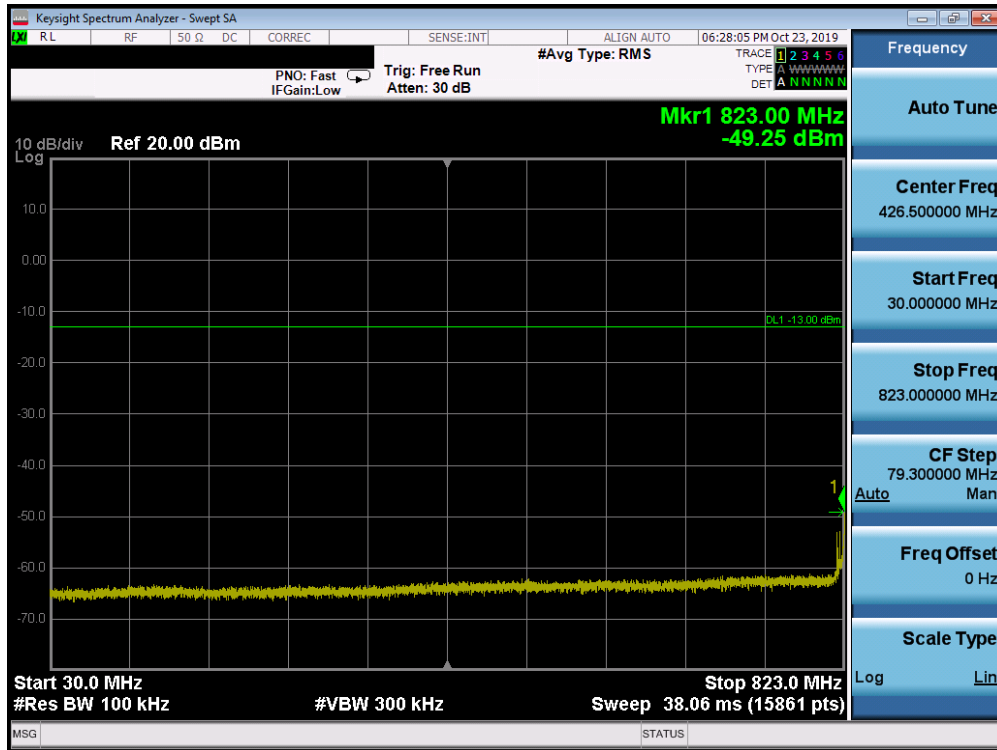
**Plot 7-164. Conducted Spurious Plot (Band 13 - 10.0MHz QPSK - RB Size 1, RB Offset 0)**

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 101 of 434                 |

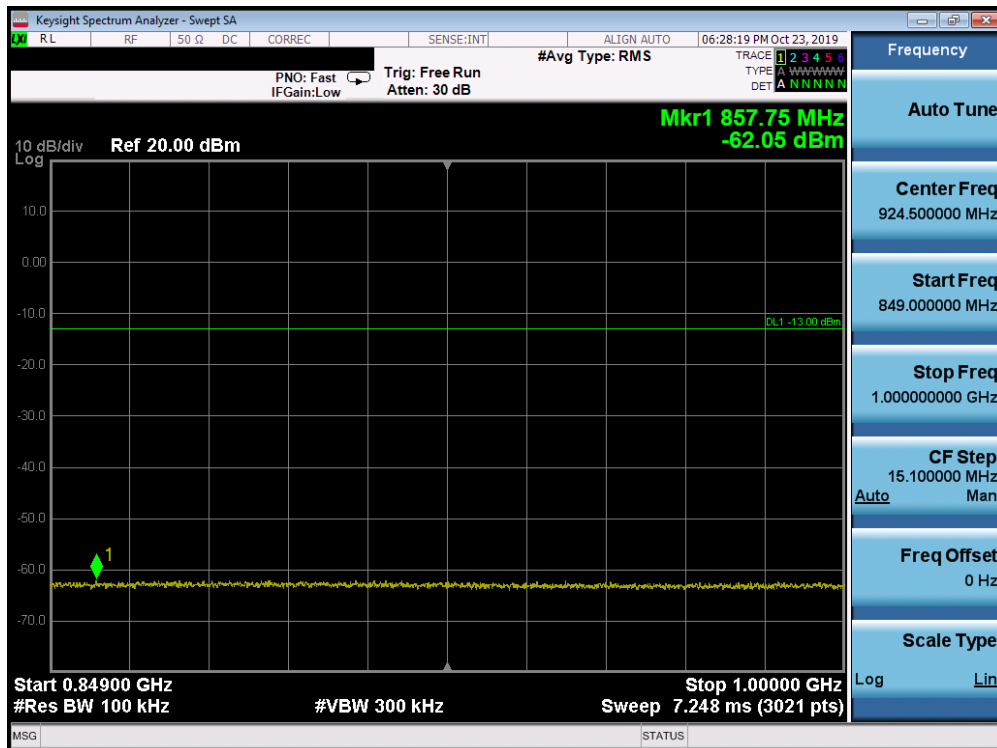




### Band 5



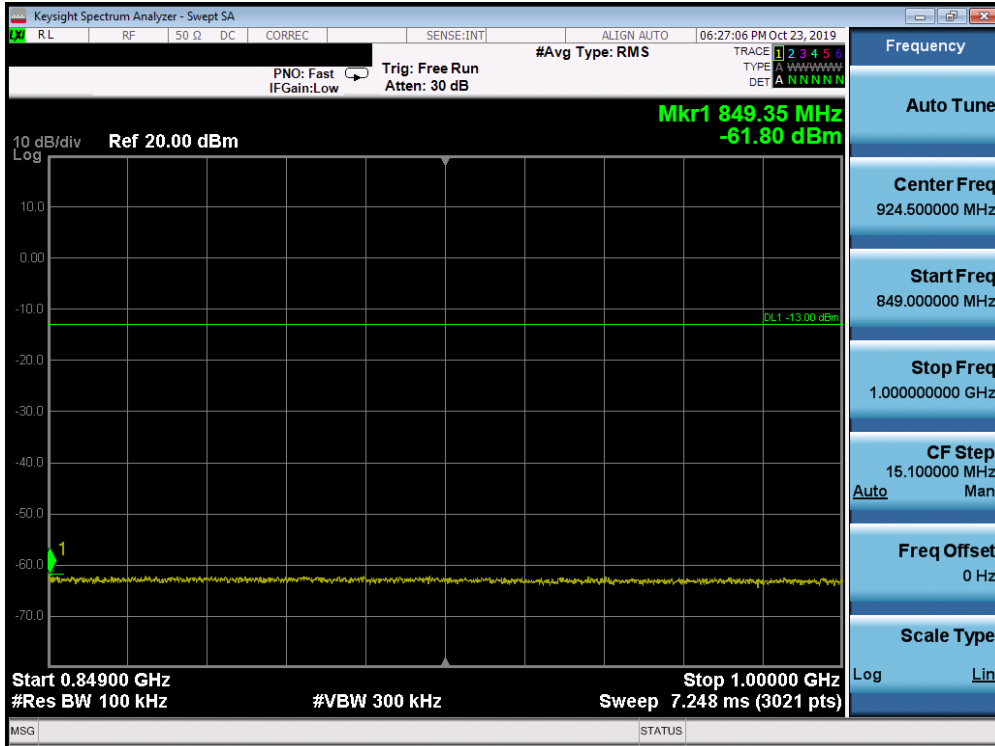
Plot 7-166. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



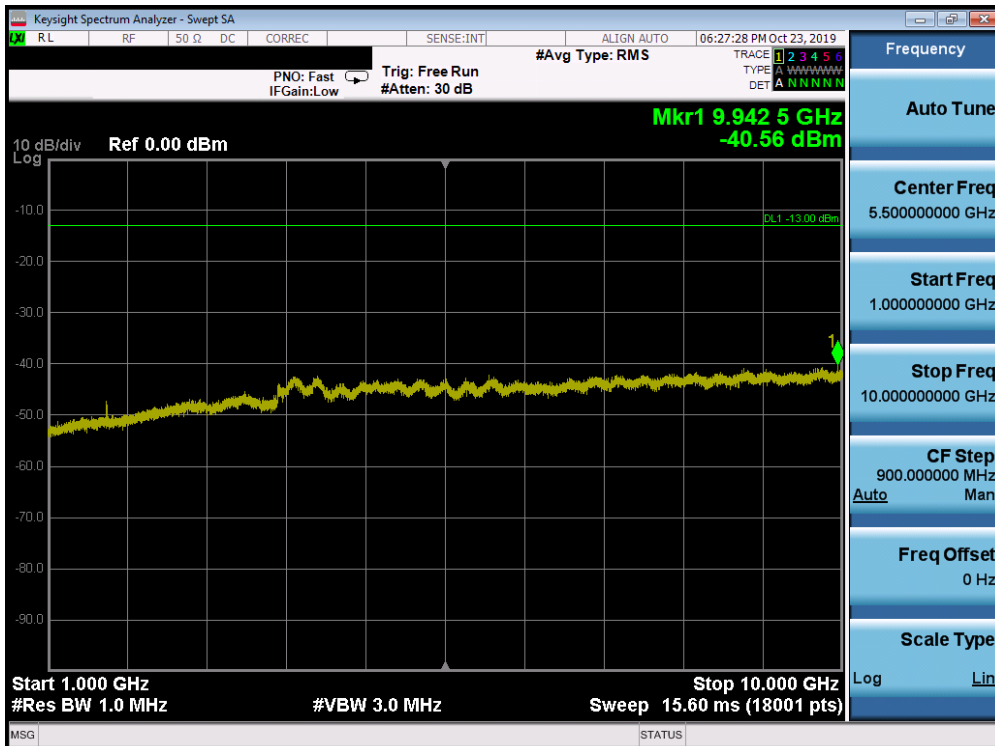
Plot 7-167. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 103 of 434                 |



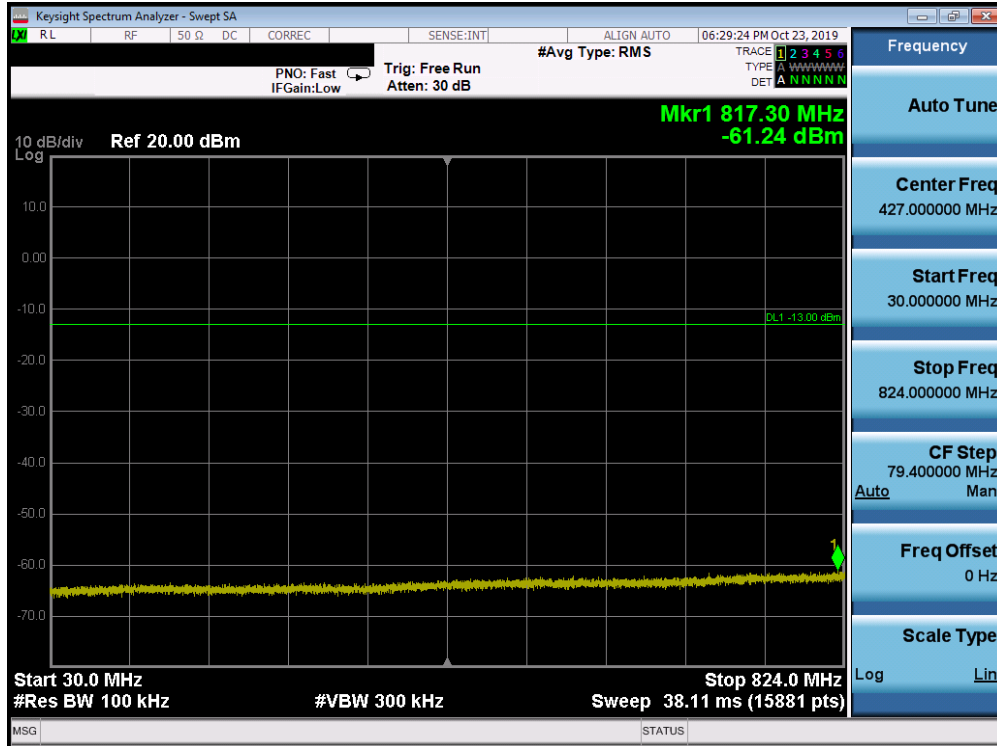


Plot 7-170. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

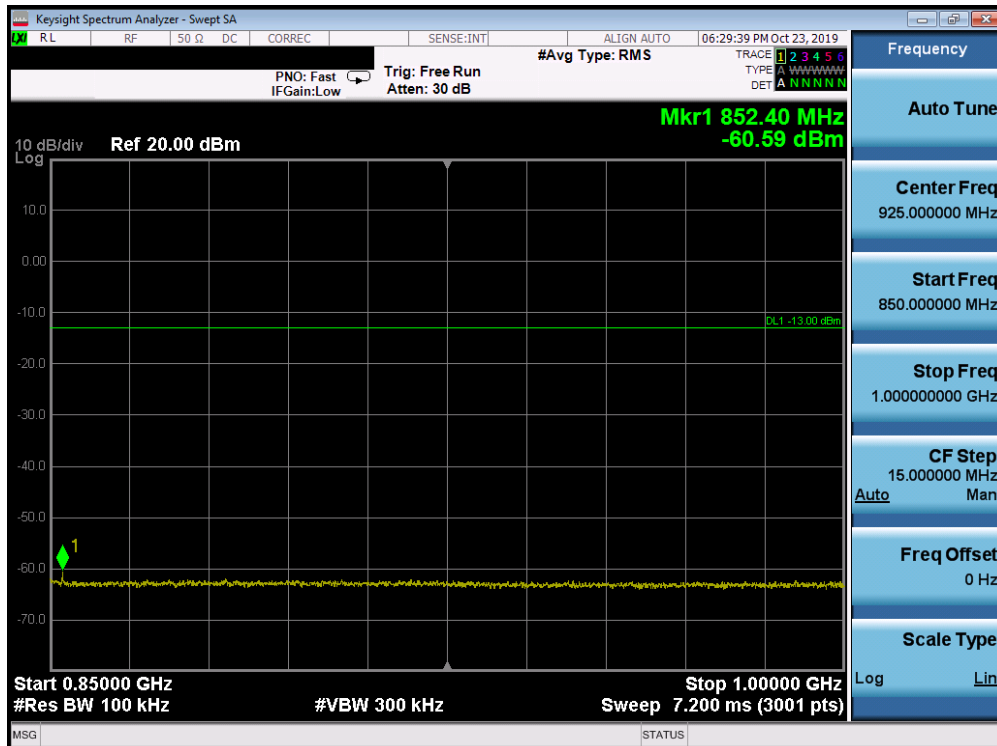


Plot 7-171. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 105 of 434                 |

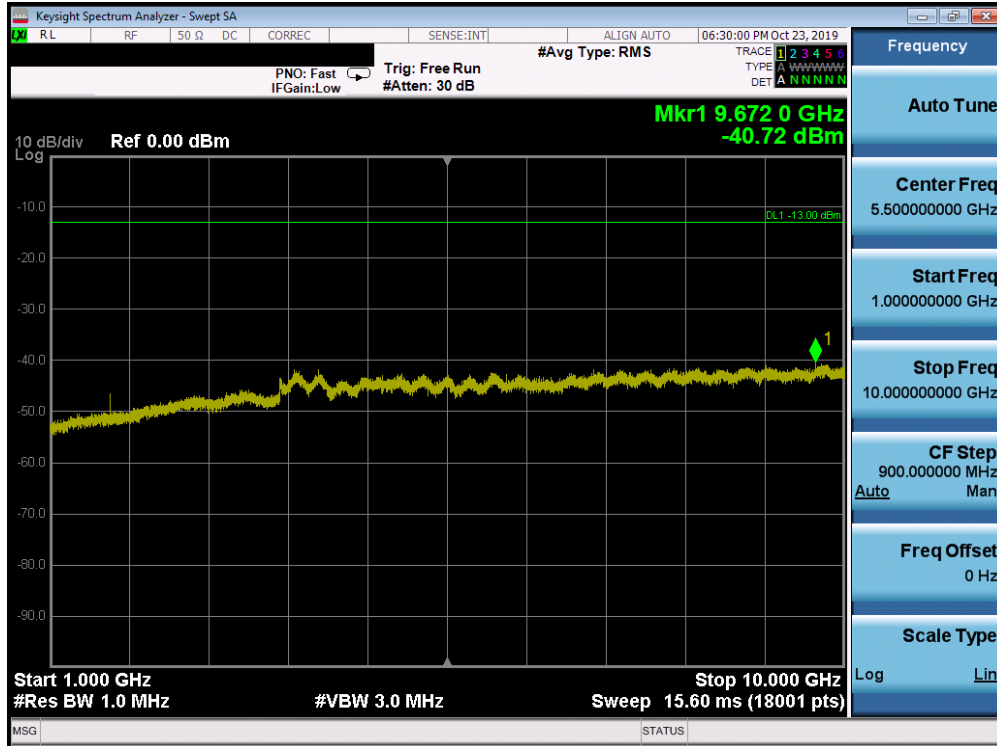


Plot 7-172. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



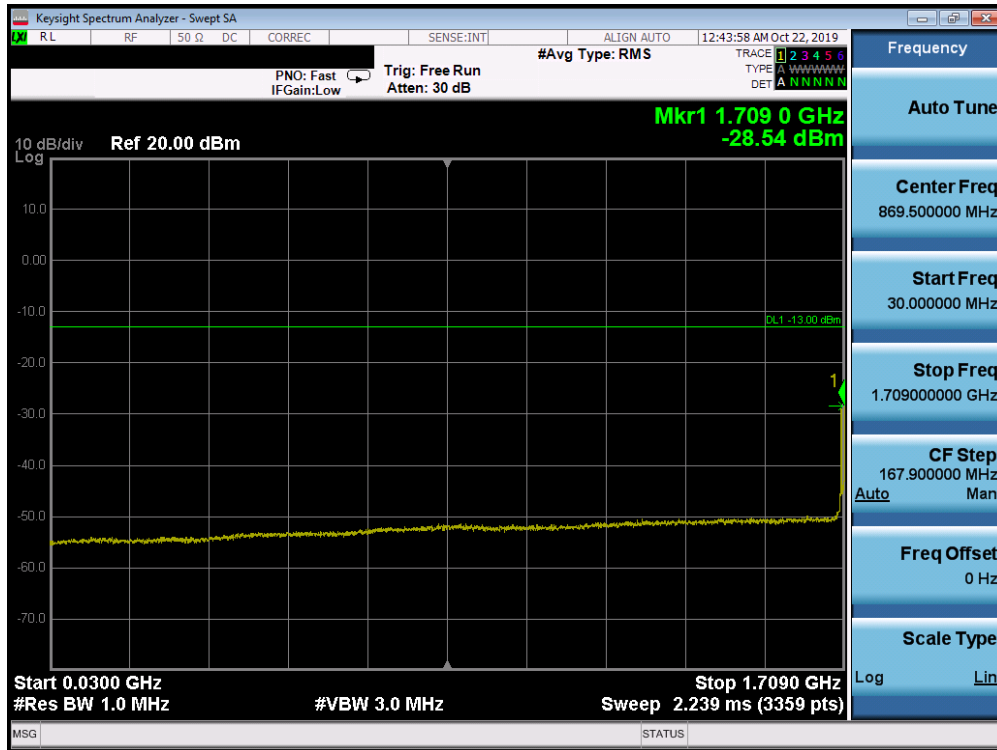
Plot 7-173. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 106 of 434                 |

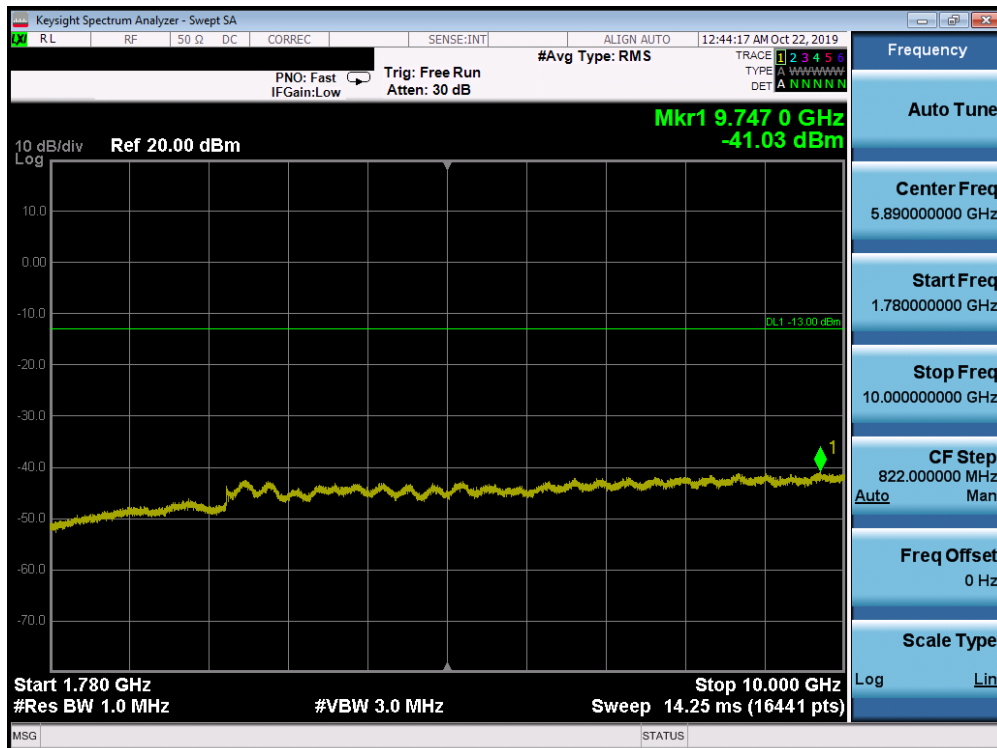


Plot 7-174. Conducted Spurious Plot (Band 5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 107 of 434                 |

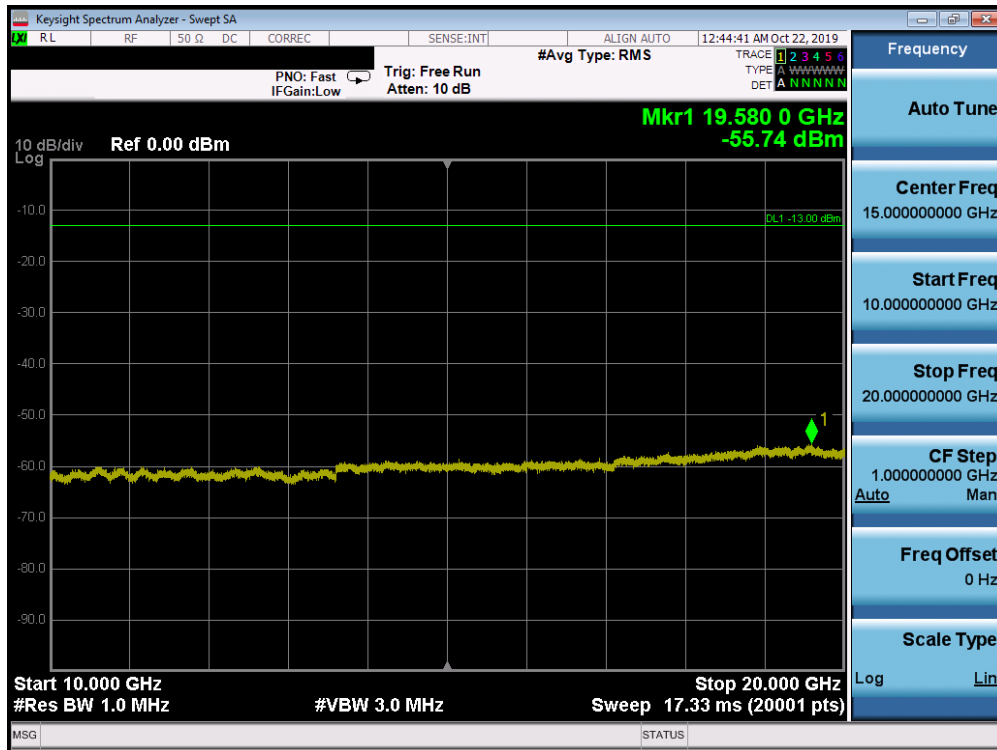


Plot 7-175. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

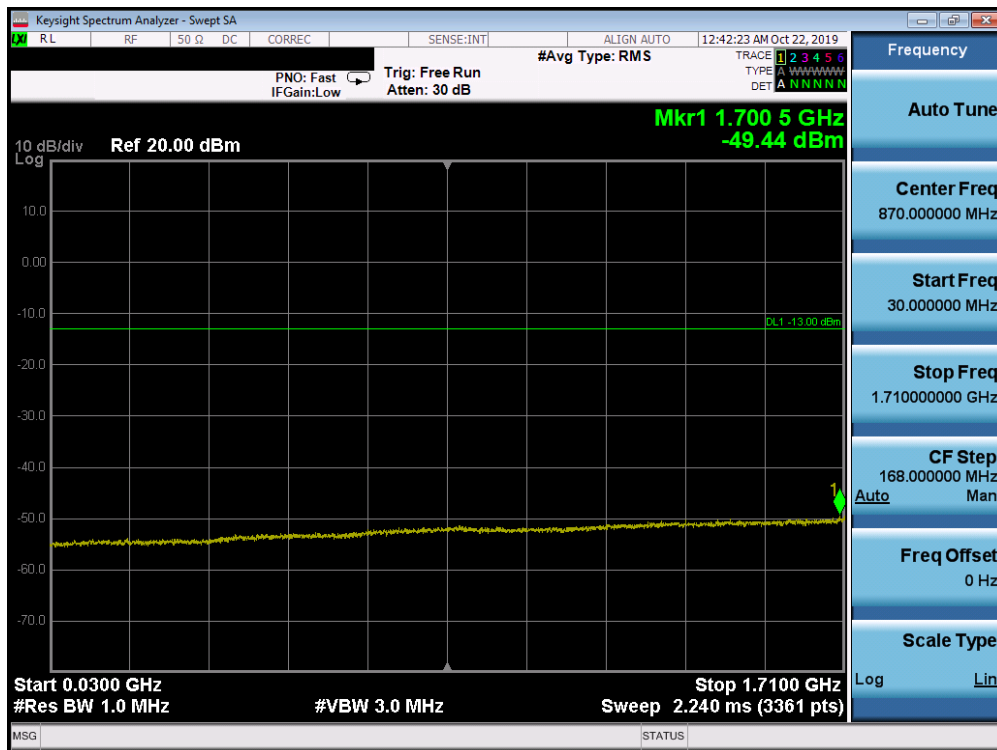


Plot 7-176. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 108 of 434                 |

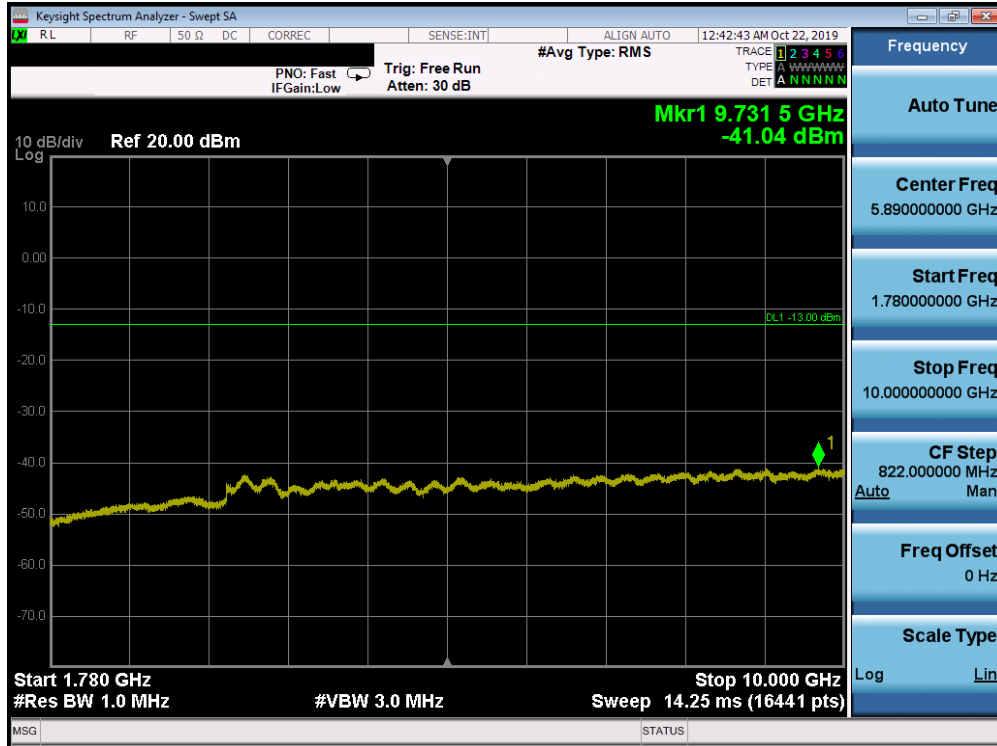


Plot 7-177. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

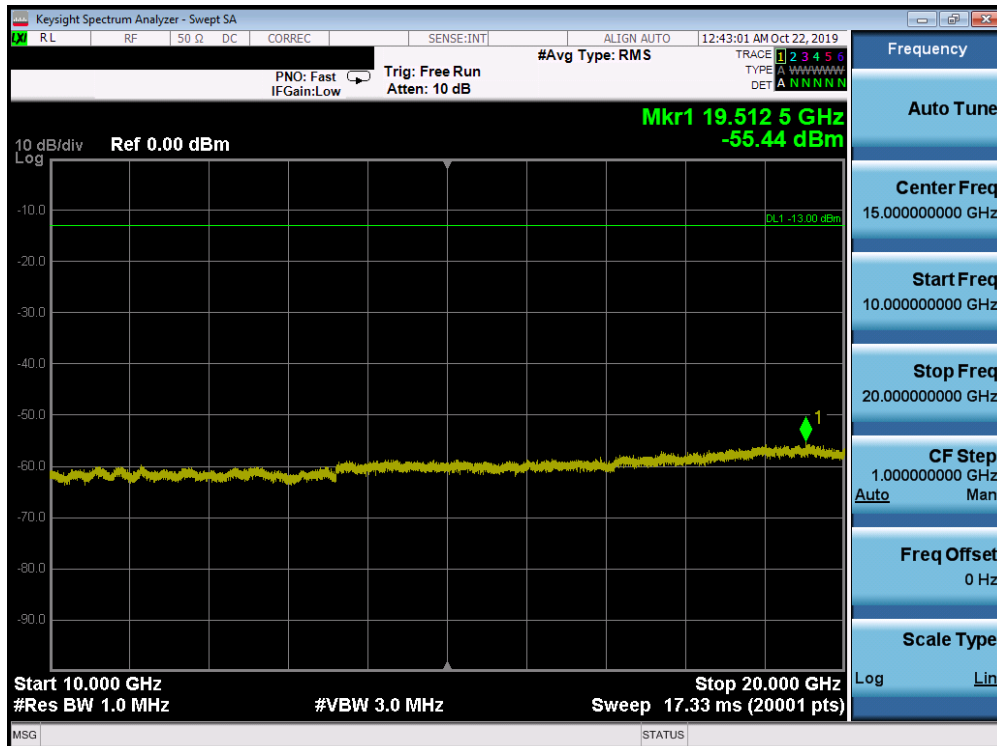


Plot 7-178. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 109 of 434                 |



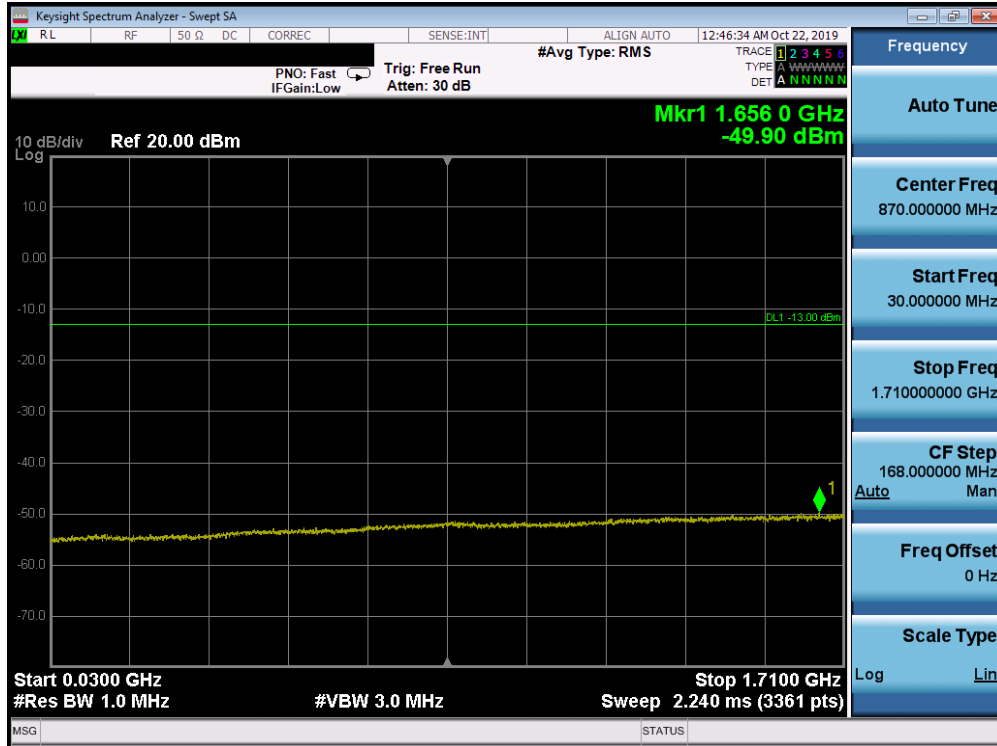
Plot 7-179. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



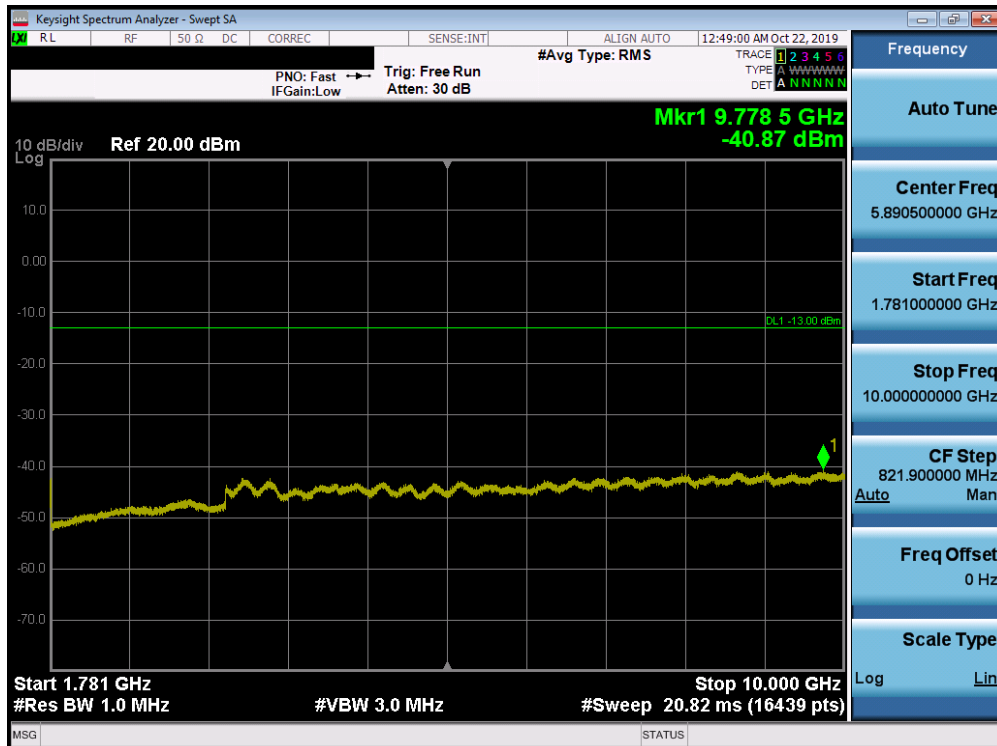
Plot 7-180. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 110 of 434                 |



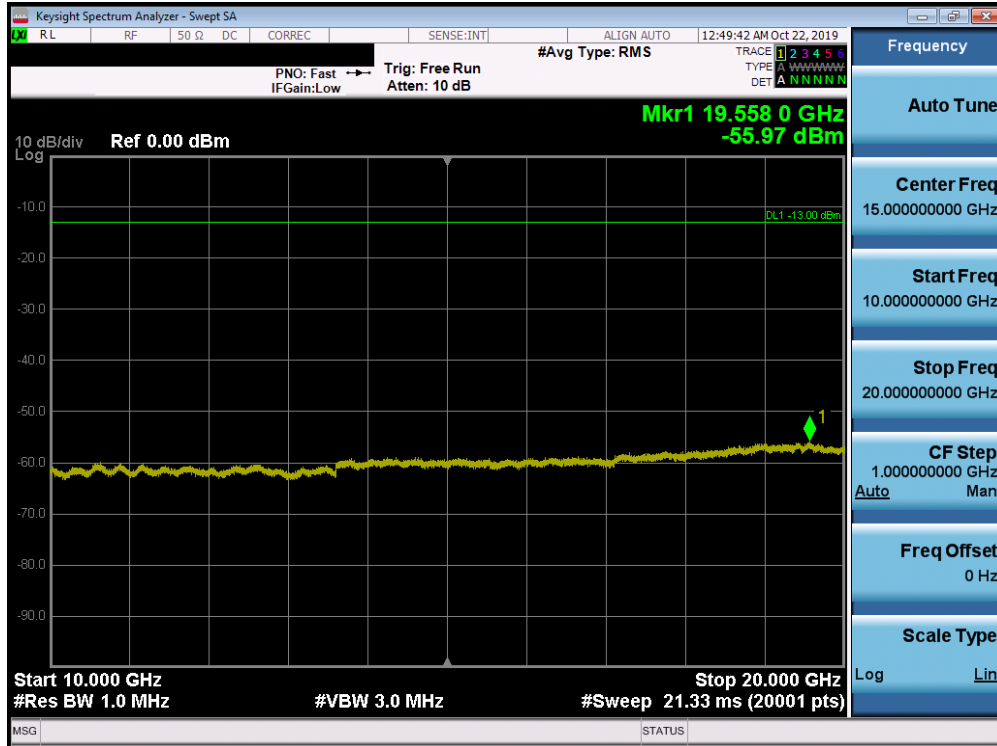


Plot 7-181. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



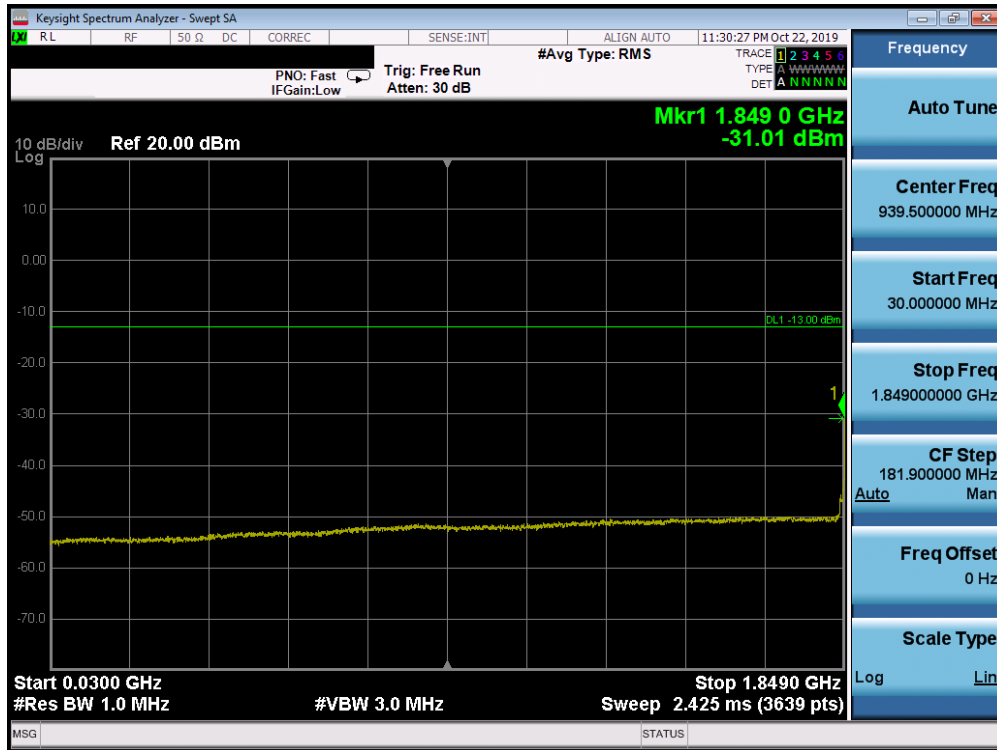
Plot 7-182. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 111 of 434                 |

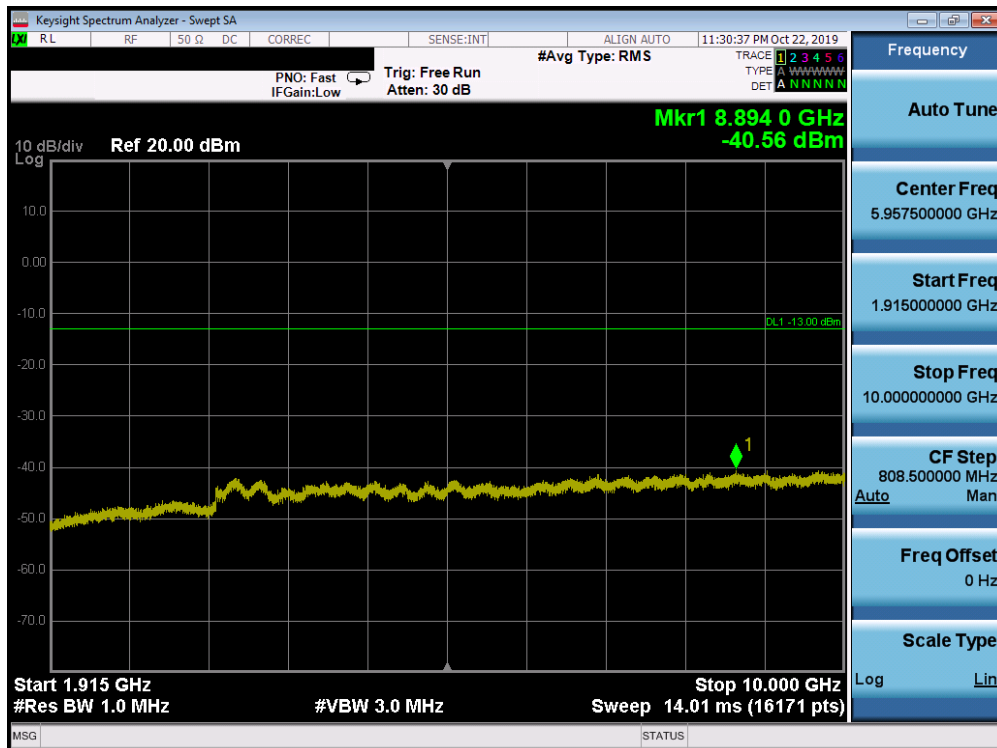


Plot 7-183. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 112 of 434                 |

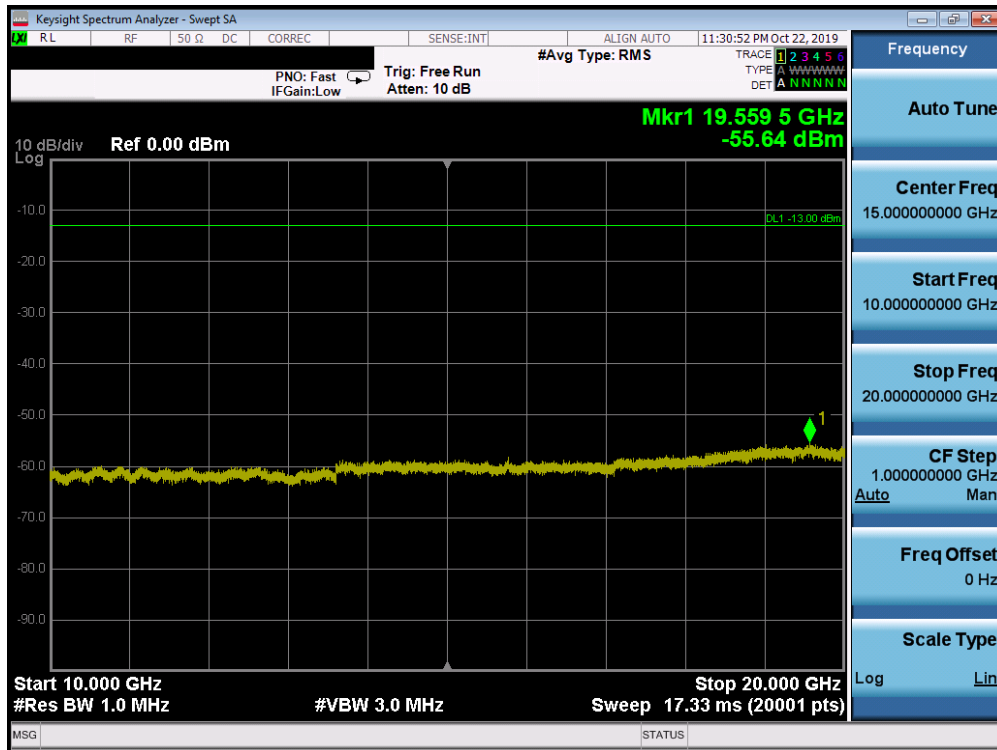


Plot 7-184. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

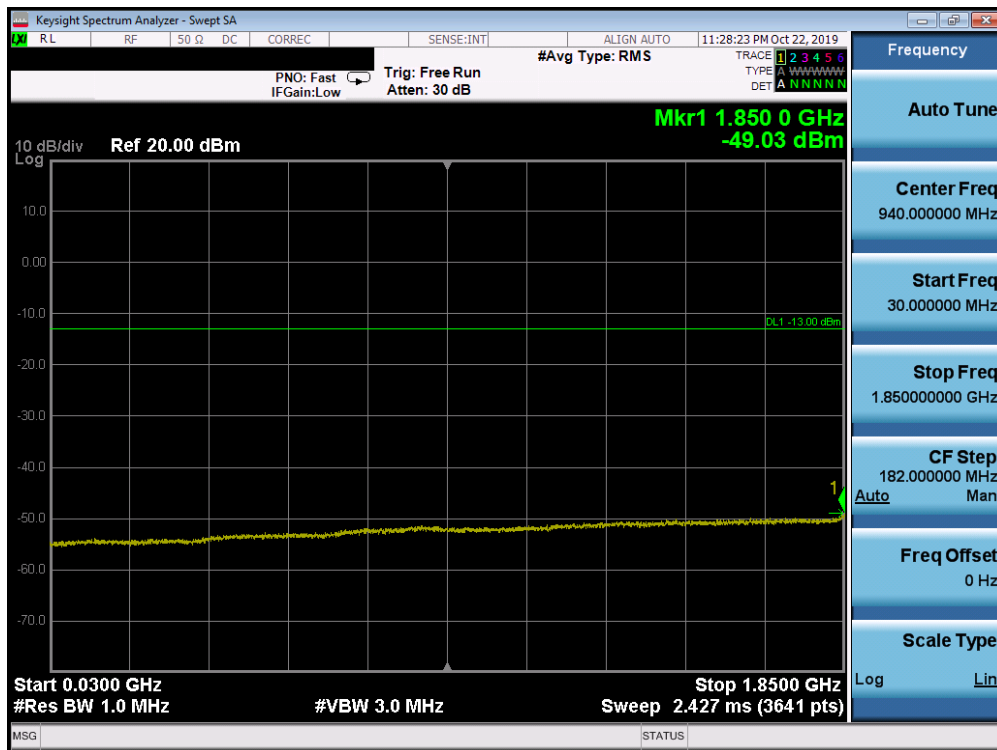


Plot 7-185. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 113 of 434                 |

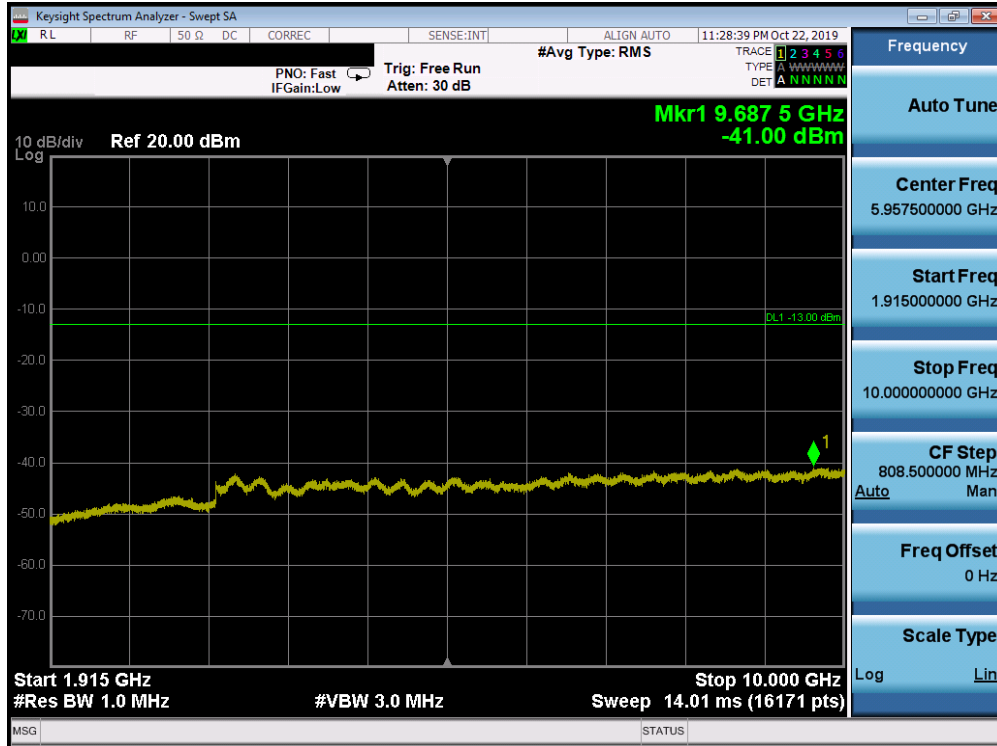


Plot 7-186. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

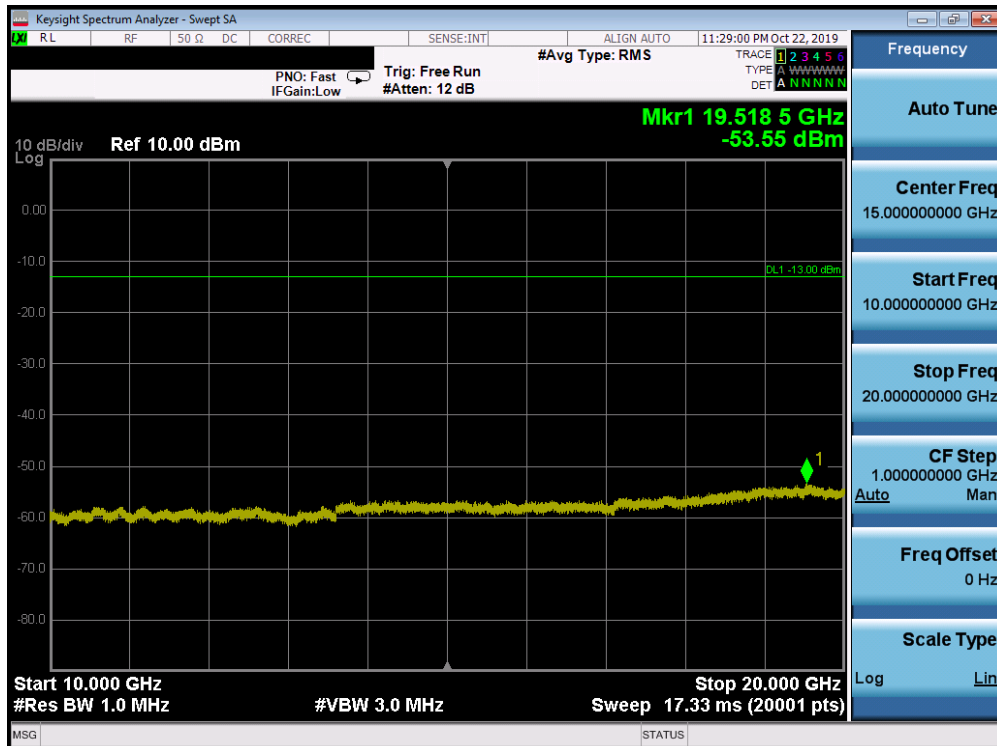


Plot 7-187. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 - 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 114 of 434                 |



Plot 7-188. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

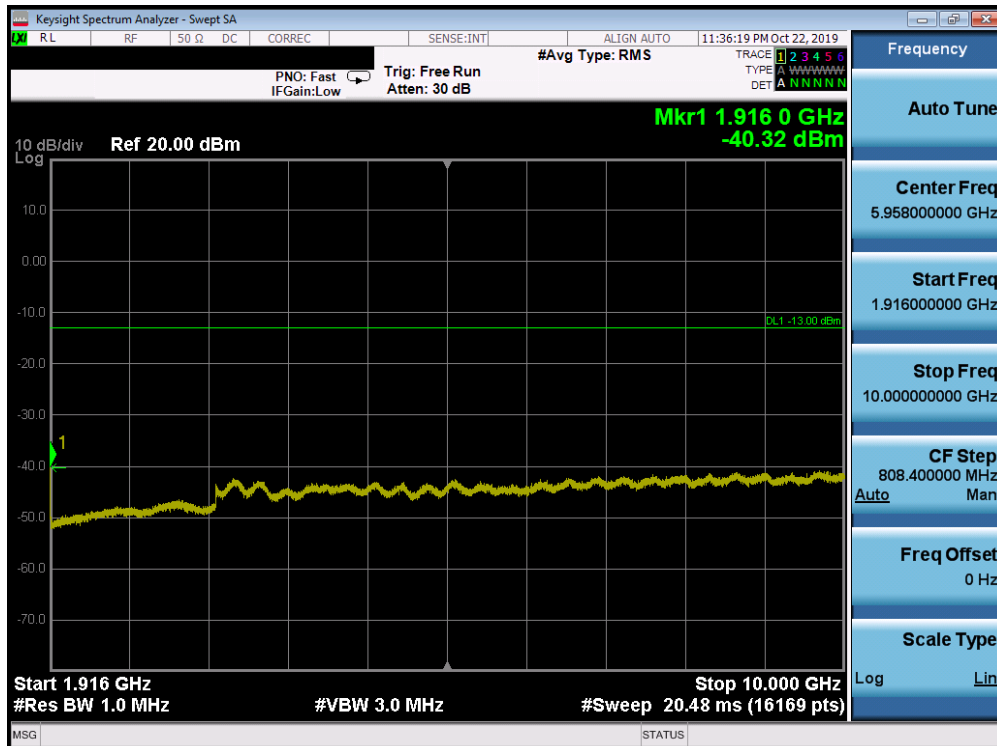


Plot 7-189. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 115 of 434                 |

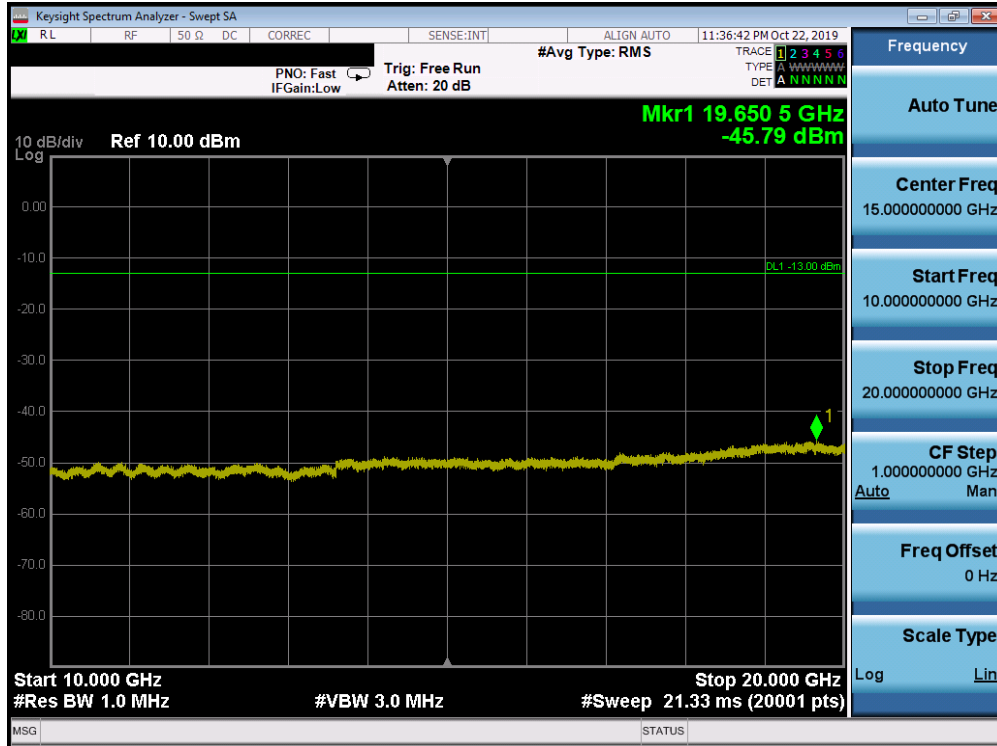


Plot 7-190. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-191. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|   |                                    |                                       |  |                                 |
|---|------------------------------------|---------------------------------------|--|---------------------------------|
| FCC ID: A3LSMG986W                      |                                    | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M1911010179-03.A3L | Test Dates:<br>10/11/19 – 01/09/20 | EUT Type:<br>Portable Handset         |  | Page 116 of 434                 |



Plot 7-192. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|  |   |   |                 |  |
|--|---|---|-----------------|--|
| <b>FCC ID:</b> A3LSMG986W                      |   | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                 | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1M1911010179-03.A3L | <b>Test Dates:</b><br>10/11/19 – 01/09/20 | <b>EUT Type:</b><br>Portable Handset          | Page 117 of 434 |  |