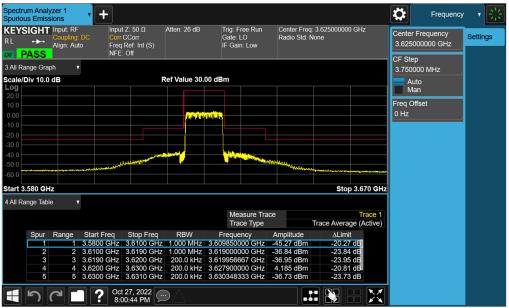


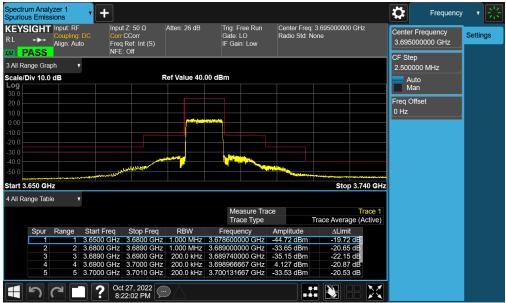
Plot 7-113. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - Low Channel)



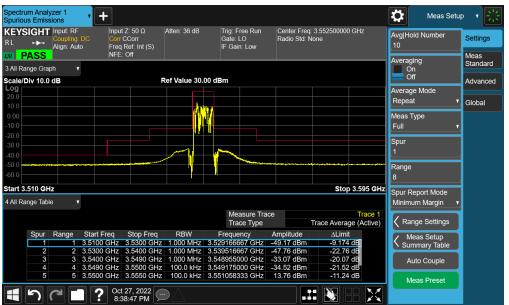
Plot 7-114. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - Mid Channel)

| FCC ID: A3LSMS918U       |                         | PART 96 MEASUREMENT REPORT |                |  |  |  |
|--------------------------|-------------------------|----------------------------|----------------|--|--|--|
| Test Report S/N:         | Test Dates:             | EUT Type:                  | Page 81 of 143 |  |  |  |
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| © 2022 ELEMENT V11.0 9/1 |                         |                            |                |  |  |  |





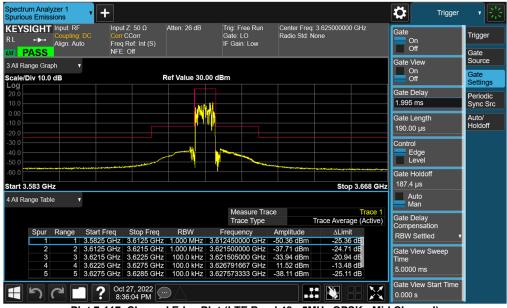
Plot 7-115. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - High Channel)



Plot 7-116. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - Low Channel)

| FCC ID: A3LSMS918U  |                         | Approved by:<br>Technical Manager |                |  |  |
|---------------------|-------------------------|-----------------------------------|----------------|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                         | Dega 92 of 142 |  |  |
| 1M2209010098-12.A3L | 09/06/2022 - 11/16/2022 | Portable Handset                  | Page 82 of 143 |  |  |
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Plot 7-117. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - Mid Channel)

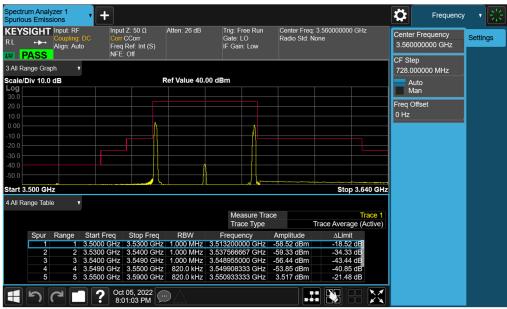


Plot 7-118. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - High Channel)

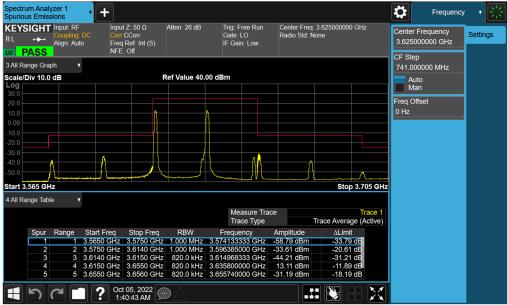
| FCC ID: A3LSMS918U  |                         | PART 96 MEASUREMENT REPORT |                 |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Dega 92 of 142  |  |  |
| 1M2209010098-12.A3L | 09/06/2022 - 11/16/2022 | Portable Handset           | Page 83 of 143  |  |  |
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## ULCA LB48



Plot 7-119. Channel - Ant G Edge Plot (LTE Band 48 – 20+20MHz QPSK - Low Channel)



Plot 7-120. Channel - Ant G Edge Plot (LTE Band 48 – 20+20MHz QPSK - Mid Channel)

| FCC ID: A3LSMS918U  |                         | PART 96 MEASUREMENT REPORT |                 |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Dage 94 of 142  |  |  |
| 1M2209010098-12.A3L | 09/06/2022 - 11/16/2022 | Portable Handset           | Page 84 of 143  |  |  |
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| Co              | put: RF<br>pupling: DC<br>ign: Auto | Input Z<br>Corr CC<br>Freq Re<br>NFE: C | Corr<br>ef: Int (S) | Atten: 26 dB    | Trig: Free<br>Gate: LO<br>IF Gain: L |          | Center Freq<br>Radio Std: N | : 3.690000000<br>None | GHz        | Center Fr<br>3.690000<br>CF Step | equency<br>1000 GHz | Settings |
|-----------------|-------------------------------------|---|---------------------|-----------------|--------------------------------------|----------|-----------------------------|-----------------------|------------|----------------------------------|---------------------|----------|
| II Range Graph  | •                                   |   |                     |                 |                                      |          |                             |                       |            | 728.0000                         | 00 MHz              |          |
| ale/Div 10.0 dE | 3                                   |   | F                   | Ref Value 40.00 | 0 dBm                                |          |                             |                       |            | Auto                             |                     |          |
| <b>g</b>        |                                     |   |                     |                 |                                      |          |                             |                       |            | Man                              |                     |          |
| .0              |                                     |   |                     |                 |                                      | 7        |                             |                       |            | Freq Offs<br>0 Hz                | et                  |          |
| 0.0             |                                     |   |                     |                 |                                      |          |                             |                       |            | 0112                             |                     |          |
| 0.0             |                                     |   |                     |                 |                                      | <u>م</u> |                             |                       |            |                                  |                     |          |
| .0              |                                     |   |                     |                 |                                      |          |                             |                       |            |                                  |                     |          |
| 0.0             |                                     |   |                     |                 |                                      |          |                             |                       |            |                                  |                     |          |
| 0.0             |                                     |   |                     | +               |                                      |          |                             |                       |            |                                  |                     |          |
| 0.0             |                                     | مال ومعطو الملكة المريد<br>مراجع        |                     |                 |                                      |          |                             |                       |            |                                  |                     |          |
| rt 3.610 GHz    |                                     |   |                     |                 |                                      |          |                             | Stop                  | 3.750 GHz  |                                  |                     |          |
| II Range Table  | •                                   |   |                     |                 |                                      |          |                             |                       |            |                                  |                     |          |
|                 |                                     |   |                     |                 | Measu                                | re Trace |                             |                       | Trace 1    |                                  |                     |          |
|                 |                                     |   |                     |                 | Trace                                | Гуре     |                             | Trace Average         | e (Active) |                                  |                     |          |
| Spur Ra         |                                     |   | Stop Freq           | RBW             | Frequency                            |          | mplitude                    | ∆Limit                |            |                                  |                     |          |
| 1               |                                     |   |                     | 1.000 MHz       |                                      |          |                             | -31.37 (              |            |                                  |                     |          |
| 2               |                                     |   |                     | 1.000 MHz       |                                      |          |                             | -31.01                |            |                                  |                     |          |
|                 |                                     |   |                     | 820.0 kHz 3     |                                      |          |                             | -31.91 (              |            |                                  |                     |          |
| 4               | 4 3.66                              |   |                     |                 |                                      |          | .202 UDIII                  | =32.20                |            |                                  |                     |          |

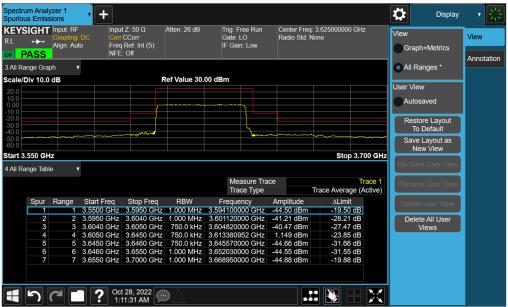
Plot 7-121. Channel - Ant G Edge Plot (LTE Band 48 – 20+20MHz QPSK - High Channel)

| FCC ID: A3LSMS918U  |                         | Approved by:<br>Technical Manager |                 |
|---------------------|-------------------------|-----------------------------------|-----------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                         | Dege 95 of 142  |
| 1M2209010098-12.A3L | 09/06/2022 - 11/16/2022 | Portable Handset                  | Page 85 of 143  |
| © 2022 ELEMENT      | ·                       | •                                 | V11.0 9/14/2022 |



## NR Band n48 – Ant G

| (                               | nput: RF<br>Coupling: DC<br>Align: Auto                            | Input Z: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S)<br>NFE: Off   | Atten: 26 dB  | Trig: Free Run<br>Gate: LO<br>IF Gain: Low  | Center Freq:<br>Radio Std: N  | 3.570000000 GHz<br>lone   | View<br>Graph+Metrics               | View   |
|---------------------------------|--|--|---|---|---|---|-------------------------------------|--------|
| All Range Graph                 | n <b>v</b>   |  |   |   |   |   | All Ranges *                        | Annota |
| ale/Div 10.0 d                  |  |  | Ref Value 30.   | 00 dBm  |   |   | - ·                                 |        |
| 0.0                             |  |  |   |   |   |   | User View                           |        |
| 0.0                             |  |  |   |   |   |   | Autosaved                           |        |
| ).0<br>).0<br>).0               |  |  |   |   |   |   | Restore Layout<br>To Default        |        |
|                                 |  |  |   |   |   |   | Save Layout as<br>New View          |        |
| art 3.510 GHz                   |  |  |   |   |   | Stop 3.640 GHz  |                                     |        |
| All Range Table                 |  |  |   |   |   |   | Re-Save User View                   |        |
|                                 |  |  |   | Measure Trac  | Ye  | Trace 1   |                                     |        |
|                                 |  |  |   | Trace Type  |   | Trace Average (Active)  | Rename User View                    |        |
|                                 |  |  |   |   |   |   |                                     |        |
| Spur F                          | Range Sta  | rt Freg Stop Freg  | RBW   | Frequency   | Amplitude   | ∆Limit  | Delete Liser View                   |        |
| Spur F                          |  | rt Freq Stop Freq<br>00 GHz 3.5300 GH  |   |   | Amplitude<br>-45.09 dBm   | ∆Limit<br>-5.091 dB   | Delete User View                    |        |
| 1<br>2                          | 1 3.51<br>2 3.53   | 00 GHz 3.5300 GH<br>00 GHz 3.5400 GH   | z 1.000 MHz<br>z 1.000 MHz  | 3.525600000 GHz<br>3.540000000 GHz  | -45.09 dBm<br>-44.36 dBm  | -5.091 dB<br>-19.36 dB  | Delete User View<br>Delete All User |        |
| 1<br>2<br>3                     | 1 3.51<br>2 3.53<br>3 3.54   | 00 GHz 3.5300 GH<br>00 GHz 3.5400 GH<br>00 GHz 3.5490 GH   | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz   | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz   | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm  | -5.091 dB<br>-19.36 dB<br>-27.21 dB   |                                     |        |
| 1<br>2<br>3<br>4                | 1 3.51<br>2 3.53<br>3 3.54<br>4 3.54                               | 00 GHz 3.5300 GH<br>00 GHz 3.5400 GH<br>00 GHz 3.5490 GH<br>90 GHz 3.5500 GH   | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz<br>z 750.0 kHz  | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz<br>3.549360000 GHz  | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm<br>-36.64 dBm  | -5.091 dB<br>-19.36 dB<br>-27.21 dB<br>-23.64 dB  | Delete All User                     |        |
| -<br>1<br>2<br>3<br>4<br>5      | 1 3.51<br>2 3.53<br>3 3.54<br>4 3.54<br>5 3.55                     | 00 GHz 3.5300 GH<br>00 GHz 3.5400 GH<br>00 GHz 3.5490 GH<br>90 GHz 3.5500 GH<br>00 GHz 3.5900 GH   | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz<br>z 750.0 kHz<br>z 750.0 kHz                               | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz<br>3.549360000 GHz<br>3.585047619 GHz                                       | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm<br>-36.64 dBm<br>1.801 dBm                             | -5.091 dB<br>-19.36 dB<br>-27.21 dB<br>-23.64 dB<br>-23.20 dB                           | Delete All User                     |        |
| -<br>2<br>3<br>4<br>5<br>6      | 1 3.51<br>2 3.53<br>3 3.54<br>4 3.54<br>5 3.55<br>6 3.59           | 00 GHz 3.5300 GH<br>00 GHz 3.5400 GH<br>00 GHz 3.5490 GH<br>90 GHz 3.5500 GH<br>00 GHz 3.5900 GH<br>00 GHz 3.5910 GH   | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 750.0 kHz | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz<br>3.549360000 GHz<br>3.585047619 GHz<br>3.590100000 GHz                    | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm<br>-36.64 dBm<br>1.801 dBm<br>-43.71 dBm               | -5.091 dB<br>-19.36 dB<br>-27.21 dB<br>-23.64 dB<br>-23.20 dB<br>-30.71 dB              | Delete All User                     |        |
| -<br>2<br>3<br>4<br>5<br>6<br>7 | 1 3.51<br>2 3.53<br>3 3.54<br>4 3.54<br>5 3.55<br>6 3.59<br>7 3.59 | 00 GHz 3.5300 GH   00 GHz 3.5400 GH   00 GHz 3.5490 GH   90 GHz 3.5500 GH   00 GHz 3.5900 GH   00 GHz 3.5901 GH   00 GHz 3.5910 GH   100 GHz 3.5910 GH   100 GHz 3.6000 GH | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 1.000 MHz | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz<br>3.549360000 GHz<br>3.585047619 GHz<br>3.590100000 GHz<br>3.591810000 GHz | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm<br>-36.64 dBm<br>1.801 dBm<br>-43.71 dBm<br>-42.87 dBm | -5.091 dB<br>-19.36 dB<br>-27.21 dB<br>-23.64 dB<br>-23.20 dB<br>-30.71 dB<br>-29.87 dB | Delete All User                     |        |
| -<br>2<br>3<br>4<br>5<br>6      | 1 3.51<br>2 3.53<br>3 3.54<br>4 3.54<br>5 3.55<br>6 3.59<br>7 3.59 | 00 GHz 3.5300 GH   00 GHz 3.5400 GH   00 GHz 3.5490 GH   90 GHz 3.5500 GH   00 GHz 3.5900 GH   00 GHz 3.5901 GH   00 GHz 3.5910 GH   100 GHz 3.5910 GH   100 GHz 3.6000 GH | z 1.000 MHz<br>z 1.000 MHz<br>z 1.000 MHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 750.0 kHz<br>z 1.000 MHz | 3.525600000 GHz<br>3.540000000 GHz<br>3.548820000 GHz<br>3.549360000 GHz<br>3.585047619 GHz<br>3.590100000 GHz                    | -45.09 dBm<br>-44.36 dBm<br>-40.21 dBm<br>-36.64 dBm<br>1.801 dBm<br>-43.71 dBm<br>-42.87 dBm | -5.091 dB<br>-19.36 dB<br>-27.21 dB<br>-23.64 dB<br>-23.20 dB<br>-30.71 dB              | Delete All User                     |        |



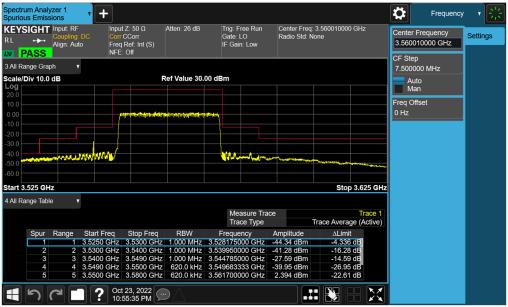
Plot 7-123. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel – Ant G)

| FCC ID: A3LSMS918U  |                         | PART 96 MEASUREMENT REPORT |                 |  |  |
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| © 2022 ELEMENT      | · · · ·                 |                            | V11.0 9/14/2022 |  |  |



|                 | ut: RF<br>upling: I<br>gn: Auto | DC Cor     | ut Z: 50 Ω<br>r CCorr<br>q Ref: Int (S)<br>Ξ: Off | Atten: 26 dB  | Trig: Free Run<br>Gate: LO<br>IF Gain: Low | Center Freq<br>Radio Std: N | : 3.679980000 GHz<br>None |        | View<br>Graph+Metrics        | View<br>Annotatio |
|-----------------|---------------------------------|------------|---|---------------|--|-----------------------------|---------------------------|--------|------------------------------|-------------------|
| ll Range Graph  | v                               |            |   |               |  |                             |                           |        | All Ranges *                 | Annotation        |
| ale/Div 10.0 dB |                                 |            |   | Ref Value 40. | 00 dBm                                     |                             |                           |        | User View                    |                   |
| .0              |                                 |            |   |               |  |                             |                           |        |                              |                   |
| .0              |                                 |            |   |               |  |                             |                           |        | Autosaved                    |                   |
| .0              |                                 |            |   |               |  |                             |                           |        | Restore Layout<br>To Default |                   |
| .0              |                                 |            |   |               |  | 4                           |                           |        | Save Layout as               |                   |
| rt 3.610 GHz    |                                 |            |   |               |  |                             | Stop 3.76                 | 60 GHz | New View                     |                   |
| II Range Table  | v                               |            |   |               |  |                             |                           |        | Re-Save User View            |                   |
|                 |                                 |            |   |               | Measure Tra                                | ice                         | Tr                        | ace 1  | Rename User View             |                   |
|                 |                                 |            |   |               | Trace Type                                 |                             | Trace Average (A          | ctive) | Rename User view             |                   |
| Spur Ra         | nge                             | Start Freq | Stop Freq   | RBW           | Frequency                                  | Amplitude                   | ∆Limit                    |        | Delete User View             |                   |
| 1               |                                 |            |   |               | 3.649200000 GHz                            |                             | -17.87 dB                 |        |                              |                   |
| 2               |                                 |            |   |               | 3.650360000 GHz                            |                             | -22.63 dB                 |        | Delete All User              |                   |
| 3               |                                 |            |   |               | 3.659900000 GHz                            |                             | -28.39 dB                 |        | Views                        |                   |
| 4               |                                 |            |   |               | 3.695047619 GHz<br>3.700110000 GHz         | 0.892 dBm<br>-39.81 dBm     | -24.11 dB<br>-26.81 dB    |        |                              |                   |
| 6               |                                 |            |   |               |  |                             | -26.72 dB                 |        |                              |                   |
| 7               |                                 |            |   |               | 3.713600000 GHz                            |                             | -10.54 dB                 |        |                              |                   |
|                 |                                 |            |   |               | 3.726400000 GHz                            |                             | -2.404 dB                 |        |                              |                   |
| 8               |                                 |            |   |               |  |                             |                           |        |                              |                   |

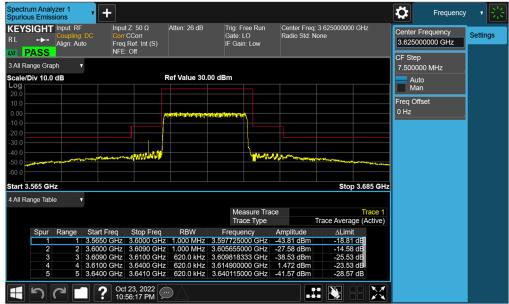
Plot 7-124. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel – Ant G)



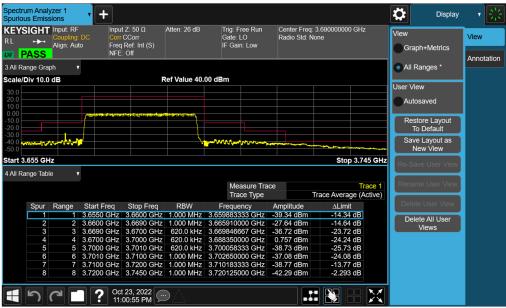
Plot 7-125. Channel Edge Plot (NR Band n48 - 30MHz QPSK - Low Channel – Ant G)

| FCC ID: A3LSMS918U  |                         | PART 96 MEASUREMENT REPORT |                |  |  |
|---------------------|-------------------------|----------------------------|----------------|--|--|
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Plot 7-126. Channel Edge Plot (NR Band n48 - 30MHz QPSK - Mid Channel – Ant G)



Plot 7-127. Channel Edge Plot (NR Band n48 - 30MHz QPSK - High Channel – Ant G)

| FCC ID: A3LSMS918U  |                         | Approved by:<br>Technical Manager |                 |
|---------------------|-------------------------|-----------------------------------|-----------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                         | Daga 99 of 142  |
| 1M2209010098-12.A3L | 09/06/2022 - 11/16/2022 | Portable Handset                  | Page 88 of 143  |
| © 2022 ELEMENT      | •                       |                                   | V11.0 9/14/2022 |