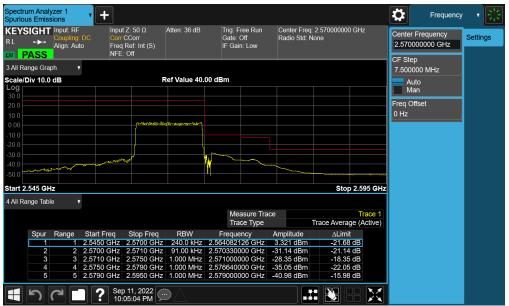




Plot 7-413. Lower Band Edge Plot (NR Band n7 - 10MHz CP-OFDM-QPSK – Full RB - Ant B)



Plot 7-414. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 246 of 379                   |
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|                     |                         |                            | V11.0 9/14/2022                   |





Plot 7-415. Lower Band Edge Plot (NR Band n7 - 5MHz CP-OFDM-QPSK - Full RB - Ant B)

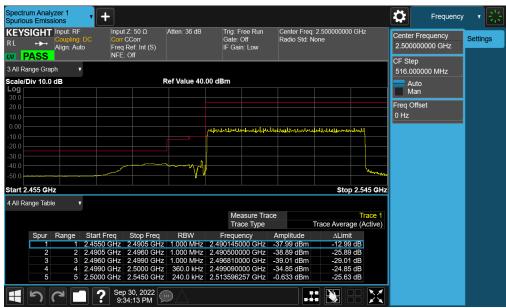


Plot 7-416. Upper Band Edge Plot (NR Band n7 - 5MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 247 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 247 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |



## NR Band n7 – Ant F



Plot 7-417. Lower Band Edge Plot (NR Band n7 - 40MHz CP-OFDM-QPSK – Full RB - Ant F)



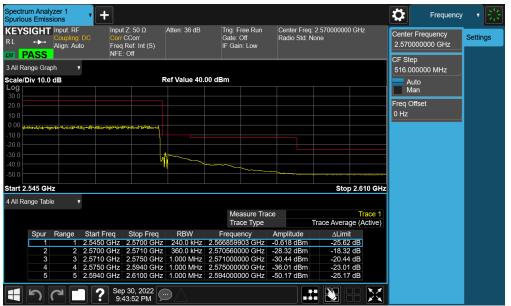
Plot 7-418. Upper Band Edge Plot (NR Band n7 - 40MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 248 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 240 01 379                   |
|                     |                         |                            | V11.0 9/14/2022                   |



| YSIGHT       | Input: RF<br>Coupling<br>Align: Au | DC Cor<br>to Free | ut Z: 50 Ω<br>r CCorr<br>q Ref: Int (S)<br>=: Off | Atten: 36 dB  | Gi     | ig: Free Run<br>ate: Off<br>Gain: Low |      | enter Freq:<br>adio Std: N              | 2.500000000<br>Ione | GHz                                    |                 | Frequency<br>00000 GHz | Settings |
|--------------|------------------------------------|-------------------|---|---------------|--------|---------------------------------------|------|---|---------------------|--|-----------------|------------------------|----------|
| PASS         |                                    |                   |   | D-61/-h 40    | 00 -18 |                                       |      |   |                     |  |                 | 0000 MHz               |          |
| le/Div 10.0  | dB                                 |                   |   | Ref Value 40. | UU aBM | 1                                     |      |   |                     |  | Aut<br>Ma       |                        |          |
|              |                                    |                   |   |               |        |                                       |      |   |                     |  | Freq Of<br>0 Hz | fset                   | 1        |
| .0           |                                    |                   |   |               |        | *****                                 |      | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                     | 7                                      |                 |                        |          |
|              |                                    |                   |   |               |        |                                       |      |   |                     |  |                 |                        |          |
| .0           |                                    |                   |   | -m            |        |                                       |      |   |                     | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                 |                        |          |
| rt 2.465 GI  | łz                                 |                   |   |               |        |                                       |      |   | Stop                | 2.535 GHz                              |                 |                        |          |
| ll Range Tab | le v                               |                   |   |               |        |                                       |      |   |                     |  |                 |                        |          |
|              |                                    |                   |   |               |        | Measure Tra<br>Trace Type             | ace  |   | Trace Averag        | Trace 1<br>e (Active)                  |                 |                        |          |
| Spur         | Range                              | Start Freq        | Stop Freq   | RBW           |        | equency                               |      | plitude                                 | ∆Limit              |  |                 |                        |          |
| 2            | 1                                  |                   | 2.4905 GHz<br>2.4960 GHz                          |               |        | 500000 GHz<br>945000 GHz              |      | 47 dBm<br>70 dBm                        | -14.47<br>-22.70    |  |                 |                        |          |
| 3            | 3                                  |                   | 2.4990 GHz  |               |        | 150000 GHz                            |      | 69 dBm                                  | -23.69              |  |                 |                        |          |
| 4            | 4                                  | 2.4990 GHz        | 2.5000 GHz  | 360.0 kHz     | 2.4992 | 210000 GHz                            | -36. | 80 dBm                                  | -26.80              | dB                                     |                 |                        |          |
| 5            | 5                                  | 2.5000 GHz        | 2.5350 GHz  | 240.0 kHz     | 2.5177 | 741379 GHz                            | -1.8 | 62 dBm                                  | -26.86              | dB                                     |                 |                        |          |

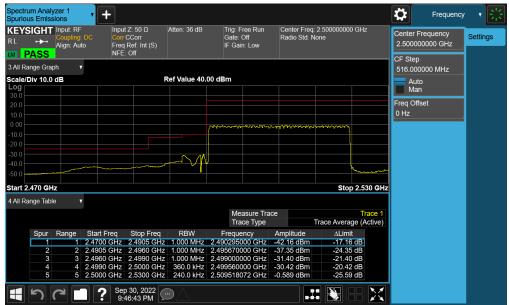
Plot 7-419. Lower Band Edge Plot (NR Band n7 - 30MHz CP-OFDM-QPSK - Full RB - Ant F)



Plot 7-420. Upper Band Edge Plot (NR Band n7 - 30MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 249 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 249 01 379                   |
|                     |                         |                            | V11.0 9/14/2022                   |





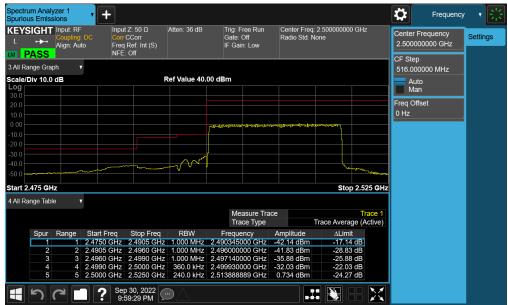
Plot 7-421. Lower Band Edge Plot (NR Band n7 - 25MHz CP-OFDM-QPSK - Full RB - Ant F)

| Spectrum<br>Spurious |                  |   | • +                                    |  |                                     |                               |                                  |  |   |                        |                   | Frequency              | - * 影    |
|----------------------|------------------|---|--|--|-------------------------------------|-------------------------------|----------------------------------|--|---|------------------------|-------------------|------------------------|----------|
|                      | <b>→</b> →       | Input: RF<br>Coupling:<br>Align: Au   | DC Cor<br>to Free                      | ut Z: 50 Ω<br>r CCorr<br>q Ref: Int (S)<br>E: Off    | Atten: 36 dB                        | Gate                          | Free Run<br>e: Off<br>ain: Low   | Center Freq<br>Radio Std: N            | 2.57000000<br>Ione                            | 0 GHz                  |                   | Frequency<br>00000 GHz | Settings |
| 3 All Rang           |                  | ph 🔻  | /                                      |  |                                     |                               |                                  |  |   |                        | CF Step<br>516.00 | p<br>10000 MHz         |          |
| Scale/Div            | v 10.0           | dB  |  |  | Ref Value 40.                       | 00 dBm                        |                                  |  |   |                        | Au<br>Ma          |                        |          |
| 20.0                 |                  |   |  |  |                                     |                               |                                  |  |   |                        | Freq Of<br>0 Hz   | ífset                  |          |
| 0.00                 | h-un-un          | and a construction of the local data and the local | กราะหลุ่มปฏิกาณะกไ                     | 1010 <b>000000000000000000</b> 000000                |                                     |                               |                                  |  |   |                        |                   |                        |          |
| -30.0                |                  |   |  |  |                                     | M                             |                                  |  |   |                        |                   |                        |          |
| -50.0                | 45 CH            |   |  |  |                                     |                               |                                  |  | Stor  | p 2.595 GHz            |                   |                        |          |
| 4 All Rang           |                  |   | /                                      |  |                                     |                               |                                  |  | 310   | J 2.393 GHZ            |                   |                        |          |
|                      |                  |   |  |  |                                     |                               | leasure Tra<br>race Type         |  | Trace Avera                                   | Trace 1<br>ge (Active) |                   |                        |          |
|                      | Spur<br>1        | Range   | Start Freq                             | Stop Freq<br>2.5700 GHz                              | RBW                                 |                               | Jency                            | Amplitude<br>0.191 dBm                 | ∆Limi<br>-24.8                                |                        |                   |                        |          |
|                      | 2<br>3<br>4<br>5 | 3<br>4  | 2.5700 GHz<br>2.5710 GHz<br>2.5750 GHz | 2.5710 GHz<br>2.5750 GHz<br>2.5870 GHz<br>2.5950 GHz | 360.0 kHz<br>1.000 MHz<br>1.000 MHz | 2.57039<br>2.57104<br>2.58172 | 0000 GHz<br>0000 GHz<br>0000 GHz | -31.42 dBm<br>-32.49 dBm<br>-37.68 dBm | -24.8<br>-21.42<br>-22.49<br>-24.68<br>-22.70 | 2 dB<br>9 dB<br>3 dB   |                   |                        |          |
|                      | J                |   |  | p 30, 2022<br>51:14 PM                               |                                     |                               |                                  |  |   |                        |                   |                        |          |

Plot 7-422. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 250 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Page 250 01 579                   |
|                     |                         |                            | V11.0 9/14/2022                   |





Plot 7-423. Lower Band Edge Plot (NR Band n7 - 20MHz CP-OFDM-QPSK - Full RB - Ant F)

| Spectrum A<br>Spurious Er |  | • +                      |                          |                |           |                          |                              |                     |                        | \$                 | Frequency            | · 米      |
|---------------------------|--|--------------------------|--------------------------|----------------|-----------|--------------------------|------------------------------|---------------------|------------------------|--------------------|----------------------|----------|
| KEYSIGI<br>RL →<br>₽AS    | HT Input: RF<br>Coupling<br>Align: Au  |                          | CCorr<br>Ref: Int (S)    | Atten: 36 dB   | Gate:     | ree Run<br>Off<br>n: Low | Center Freq:<br>Radio Std: N | 2.570000000<br>lone | ) GHz                  |                    | requency<br>0000 GHz | Settings |
| 3 All Range               |  |                          |                          |                |           |                          |                              |                     |                        | CF Step<br>516.000 | 000 MHz              |          |
| Scale/Div 1               | 0.0 dB                                 |                          | F                        | Ref Value 40.  | 00 dBm    |                          |                              |                     |                        | Auto<br>Mar        |                      |          |
| 20.0                      |  |                          |                          |                |           |                          |                              |                     |                        | Freq Offs<br>0 Hz  | set                  |          |
| 0.00<br>-10.0             |  | นที่ประชาญมาร์ไปสารร์    | իլուուլույնույնիչվեր     | ເຕັ້ອຊາວລາຍແກ້ |           |                          |                              |                     |                        |                    |                      |          |
| -20.0                     |  |                          |                          |                | ~         |                          |                              |                     |                        |                    |                      |          |
| -50.0                     | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                          |                          |                | ¥         |                          |                              |                     | 2.595 GHz              |                    |                      |          |
| 4 All Range               |  | ,                        |                          |                |           |                          |                              | Stop                | 2.595 GHZ              |                    |                      |          |
|                           |  |                          |                          |                |           | asure Trac<br>ice Type   |                              | Trace Avera         | Trace 1<br>ge (Active) |                    |                      |          |
| Sp                        | ur Range                               | Start Freq               | Stop Freq<br>2.5700 GHz  | RBW            | Freque    |                          | Amplitude<br>1.321 dBm       | ∆Limit<br>-23.68    |                        |                    |                      |          |
|                           | 2 2                                    | 2.5700 GHz               | 2.5710 GHz               | 360.0 kHz      | 2.5706200 | 000 GHz                  | -36.56 dBm                   | -26.56              | dB                     |                    |                      |          |
|                           | 3 3                                    |                          | 2.5750 GHz<br>2.5880 GHz |                |           |                          | -38.50 dBm                   | -28.50<br>-29.45    |                        |                    |                      |          |
|                           | 4 4<br>5 5                             | 2.5750 GHz<br>2.5880 GHz |                          |                |           |                          | -42.45 dBm<br>-50.40 dBm     | -29.45<br>-25.40    |                        |                    |                      |          |
| <b>1</b>                  |  |                          | p 30, 2022<br>:01:01 PM  |                |           |                          |                              |                     |                        |                    |                      |          |

Plot 7-424. Upper Band Edge Plot (NR Band n7 - 20MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 251 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Page 251 01 579                   |
|                     |                         |                            | V11.0 9/14/2022                   |





Plot 7-425. Lower Band Edge Plot (NR Band n7 - 15MHz CP-OFDM-QPSK - Full RB - Ant F)

| Spectrum Analyzer<br>Spurious Emission |  | ┝  |                |   |                                   |                                 | Frequency                           | · • 🛞    |
|--|--|--|----------------|---|-----------------------------------|---------------------------------|-------------------------------------|----------|
| KL Aliç                                | ut: RF<br>upling: DC<br>gn: Auto       | Input Z: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S) | Atten: 36 dB   | Trig: Free Run<br>Gate: Off<br>IF Gain: Low | Center Freq: 2.<br>Radio Std: Non | 570000000 GHz<br>e              | Center Frequency<br>2.570000000 GHz | Settings |
| 3 All Range Graph                      | v                                      | NFE: Off   |                |   |                                   |                                 | CF Step<br>3.750000 MHz             |          |
| Scale/Div 10.0 dB                      |  |  | Ref Value 40.0 | 00 dBm                                      |                                   |                                 | Auto<br>Man                         |          |
| 30.0<br>20.0<br>10.0                   |  |  |                |   |                                   |                                 | Freq Offset<br>0 Hz                 |          |
| 0.00                                   |  |  |                |   |                                   |                                 |                                     |          |
| -20.0                                  |  |  |                |   |                                   |                                 |                                     |          |
| -40.0                                  | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |  |                | V   |                                   |                                 |                                     |          |
| Start 2.545 GHz<br>4 All Range Table   | Ţ                                      |  |                |   |                                   | Stop 2.595 GHz                  |                                     |          |
| Thin Hange Table                       |  |  |                | Measure Trac<br>Trace Type                  |                                   | Trace 1<br>ace Average (Active) |                                     |          |
| Spur Ra                                | inge Start F                           |  | RBW            | Frequency                                   | Amplitude                         | ∆Limit                          |                                     |          |
| 2                                      |  | GHz 2.5700 GHz                                   |                | 2.556111111 GHz<br>2.570270000 GHz          | 1.039 dBm<br>-34.97 dBm           | -23.96 dB<br>-24.97 dB          |                                     |          |
| 3                                      | 3 2.5710                               | GHz 2.5750 GHz                                   | 1.000 MHz      | 2.571560000 GHz                             | -36.44 dBm                        | -26.44 dB                       |                                     |          |
| 4                                      |  |  |                | 2.575000000 GHz<br>2.583500000 GHz          | -39.27 dBm<br>-46 23 dBm          | -26.27 dB<br>-21.23 dB          |                                     |          |
| <u>ר</u> א ה                           |  | Sep 30, 2022                                     |                |   |                                   |                                 |                                     |          |

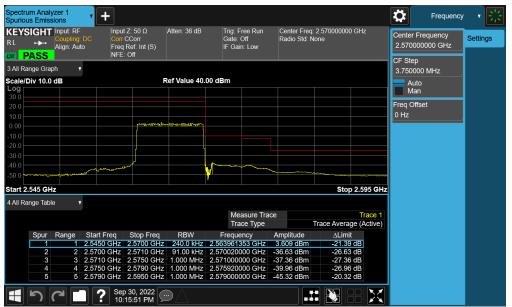
Plot 7-426. Upper Band Edge Plot (NR Band n7 - 15MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 252 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 252 01 579                   |
|                     |                         |                            | V11.0 9/14/2022                   |



| YSIGHT<br>↔  | Input: RF<br>Coupling<br>Align: Au | :DC Ci<br>to Fr | put Z: 50 Ω<br>orr CCorr<br>eq Ref: Int (S)<br>FE: Off | Atten: 36 dB  | G       | ig: Free Run<br>ate: Off<br>Gain: Low |                  | er Freq: 2<br>o Std: No  | 2.500000000<br>ne                      | GHz                     |                  | Frequency<br>00000 GHz | Settings |
|--------------|------------------------------------|-----------------|--|---------------|---------|---------------------------------------|------------------|--|--|-------------------------|------------------|------------------------|----------|
| PASS         |                                    |                 |  | Ref Value 40. | 00 dBm  |                                       |                  |  |  |                         |                  | 00 MHz                 | 4        |
| 9            | uв                                 |                 |  | Rei value 40. | 00 0811 |                                       |                  |  |  |                         | Aut<br>Ma        |                        |          |
| 0<br>0<br>0  |                                    |                 |  |               |         |                                       |                  |  |  |                         | Freq Off<br>0 Hz | iset                   |          |
| 0            |                                    |                 |  |               | /       |                                       | 7                |  |  |                         |                  |                        |          |
| 0            |                                    |                 |  |               |         |                                       |                  |  |  |                         |                  |                        |          |
| 0            |                                    |                 |  | mm            |         |                                       |                  |  |  |                         |                  |                        |          |
| 0            |                                    |                 |  |               |         |                                       |                  | and the second s | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | - and the second second |                  |                        |          |
| t 2.475 GH   | z                                  |                 |  |               |         |                                       |                  |  | Stop                                   | 2.525 GHz               |                  |                        |          |
| l Range Tabl | e v                                | ,               |  |               |         |                                       |                  |  |  |                         |                  |                        |          |
|              |                                    |                 |  |               |         | Measure Tra<br>Trace Type             | ice              | Т  | race Avera                             | Trace 1<br>ge (Active)  |                  |                        |          |
| Spur         | Range                              | Start Freq      |  | RBW           |         | equency                               | Ampli            |  | ∆Limi                                  |                         |                  |                        |          |
| 2            | 1                                  |                 | z 2.4905 GHz<br>z 2.4960 GHz                           |               |         | 500000 GHz<br>000000 GHz              | -45.48<br>-36.39 |  | -20.48                                 |                         |                  |                        |          |
| 3            | 3                                  |                 | z 2.4990 GH  |               |         | 570000 GHz                            | -31.97           |  | -21.97                                 |                         |                  |                        |          |
| 4            | 4                                  |                 | z 2.5000 GH  |               |         | 940000 GHz                            | -28.91           |  | -18.91                                 |                         |                  |                        |          |
| 5            | 5                                  | 2.5000 GH       | z 2.5250 GH  | 240.0 kHz     | 2.5079  | 971014 GHz                            | 2.838            | dBm  | -22.16                                 | dB                      |                  |                        |          |

Plot 7-427. Lower Band Edge Plot (NR Band n7 - 10MHz CP-OFDM-QPSK - Full RB - Ant F)



Plot 7-428. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT |                 |  |  |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 253 of 379 |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 255 01 579 |  |  |  |  |
|                     |                         |                            | V11 0 9/14/2022 |  |  |  |  |





Plot 7-429. Lower Band Edge Plot (NR Band n7 - 5MHz CP-OFDM-QPSK - Full RB - Ant F)

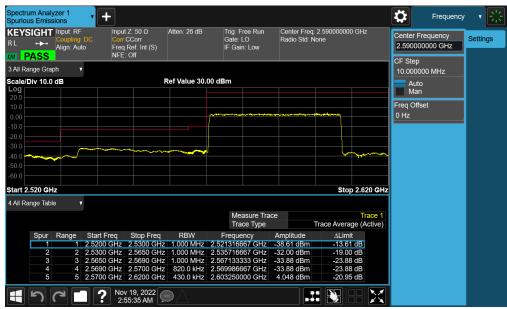
| Spectrum Analyzer 1<br>Spurious Emissions                                  | +  |  |   | Frequency v                         |
|--|--|--|---|-------------------------------------|
| KEYSIGHT       Input: RF         RL       Coupling: DC         Align: Auto | Coupling: DC Corr CCorr<br>Align: Auto Freq Ref: Int (S) |  | Center Freq: 2.570000000 GHz<br>Radio Std: None | Center Frequency<br>2.570000000 GHz |
| 3 All Range Graph  | NFE: Off   |  | CF Step<br>3.750000 MHz                         |                                     |
| Scale/Div 10.0 dB  | Ref Va   | lue 40.00 dBm                          |   | Auto<br>Man                         |
| 20.0   |  |  |   | Freq Offset<br>0 Hz                 |
| 0.00   |  |  |   |                                     |
| -20.0  |  |  |   |                                     |
| -50.0  | and                  |  |   |                                     |
| Start 2.545 GHz<br>4 All Range Table                                       |  |  | Stop 2.595 GH:                                  |                                     |
|  |  | Measure Tra<br>Trace Type              | Trace Average (Active)                          |                                     |
|  |  | 3W Frequency<br>.0 kHz 2.566859903 GHz | Amplitude ∆Limit<br>5.755 dBm -19.24 dB         |                                     |
|  |  | 0 kHz 2.570360000 GHz                  | -36.42 dBm -26.42 dB                            |                                     |
|  | 710 GHz 2.5750 GHz 1.00                                  |  | -35.73 dBm -25.73 dB                            |                                     |
|  | 5750 GHz 2.5760 GHz 1.00<br>5760 GHz 2.5950 GHz 1.00     |  | -44.34 dBm -31.34 dB<br>-45.95 dBm -20.95 dB    |                                     |
|  | <b>?</b> Sep 30, 2022                                    |  |   |                                     |

Plot 7-430. Upper Band Edge Plot (NR Band n7 - 5MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT |                 |  |  |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|--|--|
| Test Report S/N:    | Test Dates: EUT Type:   |                            | Page 254 of 379 |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 254 01 579 |  |  |  |  |
|                     |                         |                            | V11 0 9/14/2022 |  |  |  |  |



## NR Band n38 – Ant F



Plot 7-431. Lower Band Edge Plot (NR Band n38 - 40MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-432. Upper Band Edge Plot (NR Band n38 - 40MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |  |
|---------------------|-------------------------|----------------------------|-----------------------------------|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Dogo 255 of 270                   |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Page 255 of 379                   |  |
|                     | · · ·                   | ·                          | V11.0 9/14/2022                   |  |



| Spectrum Analyzer 1<br>Spurious Emissions<br>KEYSIGHT Input: RF<br>RL $\leftrightarrow$ Align: Auto<br>VV PASS | Input Z: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S)<br>NFE: Off |  | Center Freq. 2.585000000 GHz<br>Radio Std. None | Center Frequency Center Frequency Settings |
|--|--|--|---|--|
| 3 All Range Graph  |  |  |   | CF Step<br>10.000000 MHz                   |
| Scale/Div 10.0 dB  | Ref Value 30.0   | 00 dBm                                     |   | Auto                                       |
| Log<br>20.0  |  |  |   | Man  |
| 10.0   |  |  |   | Freq Offset                                |
| 0.00   |  | Minascrettractic programmer and programmer |   | 0 Hz                                       |
| -10.0  |  |  |   |  |
| -20.0  |  |  |   |  |
| -30.0  |  |  |   |  |
| -50.0  |  |  |   |  |
| -60.0  |  |  |   |  |
| Start 2.533 GHz  |  |  | Stop 2.608 GH                                   |  |
|  |  |  | Stop 2.808 GP                                   |  |
| 4 All Range Table 🔹 🔻  |  |  |   |  |
|  |  | Measure Trace<br>Trace Type                | Trace 1<br>Trace Average (Active)               |  |
| Spur Range Start   | Freg Stop Freg RBW   |  | mplitude ∆Limit                                 |  |
|  |  |  | 6.46 dBm -11.46 dBl                             |  |
| 2 2 2.540  | 0 GHz 2.5650 GHz 1.000 MHz                                   | 2.557916667 GHz -3                         | 1.63 dBm -18.63 dB                              |  |
|  |  |  | 33.11 dBm -23.11 dB                             |  |
|  | OGHZ 2.5700 GHZ 620.0 kHz<br>OGHZ 2.6075 GHZ 330.0 kHz       |  | -21.94 dBm -21.94 dB<br>.555 dBm -20.45 dB      |  |
|  |  |  |   |  |
| ちっつ つ  | Nov 19, 2022   |  | - III 🔖 - 🔀                                     |  |

Plot 7-433. Lower Band Edge Plot (NR Band n38 - 30MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectrum A<br>Spurious E |  |       | • +          |                          |                     |        |   |                         |   |                                     |         | ₽                 | Frequency | <ul> <li>▼ <sup>1</sup>/<sub>2</sub></li> </ul> |
|--------------------------|--|-------|--------------|--------------------------|---------------------|--------|---|-------------------------|---|-------------------------------------|---------|-------------------|-----------|---|
| RL +                     | Coupling: DC Corr CCorr<br>Align: Auto Freq Ref: Int (S) |       | Atten: 26 dB |                          |                     |        | Center Freq: 2.605000000 GHz<br>Radio Std: None |                         |   | Center Frequency<br>2.605000000 GHz |         |                   |           |   |
| 3 All Range              | e Grap   |       |              |                          |                     |        |   |                         |   |                                     |         | CF Step<br>10.000 | 000 MHz   |   |
| Scale/Div                | 10.0   | dB    |              |                          | Ref Value 30.       | 00 dBn | 1<br>   |                         |   |                                     |         | Aut<br>Ma         |           |   |
| 10.0                     |  | priso |              | 1                        |                     |        |   |                         |   |                                     |         | Freq Off<br>0 Hz  | set       |   |
| -10.0                    |  |       |              |                          |                     |        |   |                         |   |                                     |         |                   |           |   |
| -30.0                    | ميروندي.<br>مرووندي مروو                                 | -w    |              |                          |                     |        |   |                         |   | w                                   | ~       |                   |           |   |
| -50.0<br>-60.0           |  |       |              |                          |                     |        |   |                         |   |                                     |         |                   |           |   |
| Start 2.583              |  |       |              |                          |                     |        |   |                         |   | Stop 2.0                            | 658 GHz |                   |           |   |
| 4 All Range              | e Table  | 9     |              |                          |                     |        | Measure Tra                                     | ice                     |   |                                     | Trace 1 |                   |           |   |
|                          |  |       |              |                          |                     |        | Trace Type                                      |                         |   | Average (                           | Active) |                   |           |   |
| Sp                       | pur  | Range | Start Freq   | Stop Freq                | RBW                 |        | equency   | Amplitude               |   | ∆Limit                              |         |                   |           |   |
|                          | 1  | 1     |              | 2.6200 GHz<br>2.6210 GHz |                     |        | 687500 GHz<br>110000 GHz                        | 4.119 dBr<br>-31.08 dBr |   | -20.88 dB<br>-21.08 dB              |         |                   |           |   |
|                          | 3  |       |              | 2.6250 GHz               |                     |        |   | -30.95 dBr              |   | -20.95 dB                           |         |                   |           |   |
|                          | 4  | 4     |              | 2.6500 GHz               |                     |        |   | -28.00 dBr              |   | -15.00 dB                           |         |                   |           |   |
|                          | 5  | 5     | 2.6500 GHz   | 2.6575 GHz               | 1.000 MHz           | 2.653  | 987500 GHz                                      | -36.13 dBr              | n | -11.13 dB                           |         |                   |           |   |
| 2                        | ) (  |       |              | v 19, 2022<br>05:52 AM   | $\supset \triangle$ |        |   |                         |   |                                     | X       |                   |           |   |

Plot 7-434. Upper Band Edge Plot (NR Band n38 - 30MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT |                  |  |  |  |
|---------------------|-------------------------|----------------------------|------------------|--|--|--|
| Test Report S/N:    | Test Dates: EUT Type:   |                            | Page 256 of 379  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 250 01 379  |  |  |  |
|                     |                         |                            | 1/11 0 9/14/2022 |  |  |  |





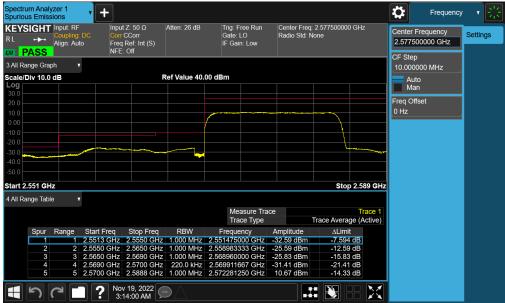
Plot 7-435. Lower Band Edge Plot (NR Band n38 - 20MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-436. Upper Band Edge Plot (NR Band n38 - 20MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT |                 |  |  |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 257 of 379 |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 257 01 579 |  |  |  |  |
|                     |                         |                            | V11.0 9/14/2022 |  |  |  |  |





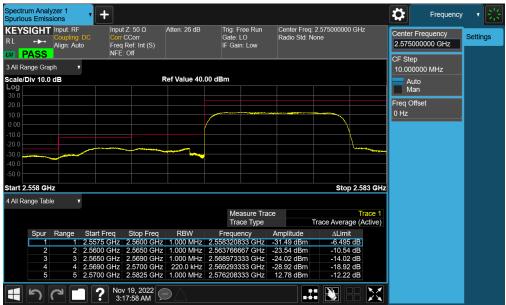
Plot 7-437. Lower Band Edge Plot (NR Band n38 - 15MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-438. Upper Band Edge Plot (NR Band n38 - 15MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT |                 |  |  |  |  |
|---------------------|-------------------------|----------------------------|-----------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 258 of 379 |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 256 01 579 |  |  |  |  |
|                     |                         |                            | V11.0 9/14/2022 |  |  |  |  |





Plot 7-439. Lower Band Edge Plot (NR Band n38 - 10MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-440. Upper Band Edge Plot (NR Band n38 - 10MHz CP-OFDM-QPSK – Full RB - Ant F)

## NR Band n38 – Ant B

| FCC ID: A3LSMS916U  |                            | PART 27 MEASUREMENT REPORT |                  |  |  |  |  |
|---------------------|----------------------------|----------------------------|------------------|--|--|--|--|
| Test Report S/N:    | S/N: Test Dates: EUT Type: |                            | Page 259 of 379  |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022    | Portable Handset           | Fage 259 01 579  |  |  |  |  |
|                     |                            |                            | 1/11 0 0/14/2022 |  |  |  |  |



|             | Input: RF<br>Coupling<br>Align: Au | DC Corr<br>to Freq       | t Z: 50 Ω<br>CCorr<br>  Ref: Int (S)<br>' Off | Atten: 26 dB   | Gate:    | Free Run<br>LO<br>in: Low | Center Freq<br>Radio Std: N | : 2.59000000<br>Ione | ) GHz                  |                  | requency<br>00000 GHz | Settings |
|-------------|------------------------------------|--------------------------|---|----------------|----------|---------------------------|-----------------------------|----------------------|------------------------|------------------|-----------------------|----------|
| I Range Gra | aph y                              |                          |   |                |          |                           |                             |                      |                        |                  | 00 MHz                |          |
| le/Div 10.  | Jab                                |                          |   | Ref Value 30.0 | JU dBM   |                           |                             |                      |                        | Auto<br>Mar      |                       |          |
| 0           |                                    |                          |   |                |          |                           |                             |                      |                        | Freq Off<br>0 Hz | set                   |          |
|             |                                    |                          |   |                | ļ        |                           |                             |                      |                        |                  |                       |          |
| 0           |                                    |                          | (1-10-10-10-10-10-10-10-10-10-10-10-10-10     |                |          |                           |                             |                      | *****                  |                  |                       |          |
|             |                                    |                          |   |                |          |                           |                             |                      |                        |                  |                       |          |
| rt 2.520 G  | Hz                                 |                          |   |                |          |                           |                             | Sto                  | o 2.620 GHz            |                  |                       |          |
| l Range Tat | ole v                              |                          |   |                |          |                           |                             |                      |                        |                  |                       |          |
|             |                                    |                          |   |                |          | easure Trac<br>ace Type   |                             | Trace Avera          | Trace 1<br>ge (Active) |                  |                       |          |
| Spur        | Range                              | Start Freq               | Stop Freq                                     | RBW            | Frequ    |                           | Amplitude                   | ∆Limi                |                        |                  |                       |          |
|             | 1                                  |                          |   | 1.000 MHz      |          |                           | -37.75 dBm                  | -12.7                |                        |                  |                       |          |
| 2           |                                    | 2.5300 GHz<br>2.5650 GHz |   |                | 2.561908 |                           | -29.08 dBm<br>-28.32 dBm    | -16.08               |                        |                  |                       |          |
|             | 4                                  |                          | 2.5690 GHZ<br>2.5700 GHZ                      |                |          |                           | -28.32 dBm                  | -10.3                |                        |                  |                       |          |
| 4           |                                    |                          |   |                | 2.000000 |                           | 20.02 0011                  | =10.02               |                        |                  |                       |          |

Plot 7-441. Lower Band Edge Plot (NR Band n38 - 40MHz CP-OFDM-QPSK – Full RB - Ant B)

| Spectru<br>Spuriou |                   |                                    | • +               |  |               |        |           |           |                  |                         |                | Frequency     | / * 张 |
|--------------------|-------------------|------------------------------------|-------------------|--|---------------|--------|-----------|-----------|------------------|-------------------------|----------------|---------------|-------|
| RL                 | ight<br>⊶⊷<br>ASS | Input: RF<br>Coupling<br>Align: Au | DC Cor<br>to Free | tt Z: 50 Ω<br>°CCorr<br>α Ref: Int (S)<br>E: Off | IF Gain: Low  |        |           |           |                  | Frequency<br>000000 GHz | Settings       |               |       |
| 3 All Ra           | nge Gra           | ph 🗤                               | ,                 |  |               |        |           |           |                  |                         |                | P<br>0000 MHz |       |
| Scale/D            | Div 10.0          | dB                                 |                   | I  | Ref Value 30. | 00 dBm |           |           |                  |                         | Αι             |               |       |
| Log                |                   |                                    |                   |  |               |        |           |           |                  |                         | M              | an            |       |
| 10.0               |                   |                                    |                   |  |               |        |           |           |                  |                         | Freq O<br>0 Hz | ffset         |       |
| -10.0              |                   |                                    |                   |  |               |        |           |           |                  |                         | L              |               |       |
| -20.0              |                   | _                                  |                   |  |               |        |           |           |                  |                         |                |               |       |
| -30.0              | -                 |                                    |                   |  |               |        |           |           |                  |                         |                |               |       |
| -40.0              |                   |                                    |                   |  |               |        |           |           |                  |                         |                |               |       |
| -60.0              |                   |                                    |                   |  |               |        |           |           |                  |                         |                |               |       |
| Start 2.           | 570 GH            | 7                                  |                   |  |               |        |           |           | Stop             | 2.670 GHz               |                |               |       |
| 4 All Ra           |                   |                                    |                   |  |               |        |           |           | etop             |                         |                |               |       |
| -F7 th FtG         | ngo tubi          |                                    |                   |  |               | Me     | asure Tra | <b>CA</b> |                  | Trace 1                 |                |               |       |
|                    |                   |                                    |                   |  |               |        | се Туре   |           | Trace Averag     |                         |                |               |       |
|                    | Spur              | Range                              | Start Freq        | Stop Freq  | RBW           | Freque |           | Amplitude | ∆Limit           |                         |                |               |       |
|                    | 1                 |                                    |                   | 2.6200 GHz                                       |               |        |           | 0.637 dBm | -24.36           |                         |                |               |       |
|                    | 2                 |                                    |                   | 2.6210 GHz                                       |               |        |           |           | -18.86           |                         |                |               |       |
|                    | 3                 | 3                                  |                   | 2.6250 GHz<br>2.6600 GHz                         |               |        |           |           | -18.48<br>-15.69 |                         |                |               |       |
|                    | 4<br>5            |                                    |                   | 2.6700 GHz                                       |               |        |           |           | -12.21           |                         |                |               |       |
|                    | 5                 | 2                                  |                   | v 19, 2022<br>09:27 AM                           |               |        |           |           |                  |                         |                |               |       |

Plot 7-442. Upper Band Edge Plot (NR Band n38 - 40MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 260 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 200 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |



| Spectrum Analy<br>Spurious Emiss<br>KEYSIGHT<br>RL ++-<br>VI PASS | sions | DC Co<br>to Fre | ut Z: 50 Ω<br>T CCorr<br>q Ref: Int (S)<br>E: Off | Atten: 26 dB  | Gate   | Free Run<br>LO<br>in: Low                 | Center Fred<br>Radio Std:      | ∦ 2.58500000<br>None | 0 GHz                    | 2.58500  | Frequency<br>Frequency<br>00000 GHz | Settings |
|---|-------|-----------------|---|---------------|--------|---|--------------------------------|----------------------|--------------------------|----------|-------------------------------------|----------|
| 3 All Range Gra   | ph 🔻  |                 |   |               |        |   |                                |                      |                          | CF Step  | 000 MHz                             |          |
| Scale/Div 10.0  | dB    |                 |   | Ref Value 30. | 00 dBm |   |                                |                      |                          | Aut      |                                     |          |
| 20.0  |       |                 |   |               |        |   |                                |                      |                          | Mai      |                                     |          |
| 10.0  |       |                 |   |               |        |   |                                |                      |                          | Freq Off | set                                 |          |
| 0.00  |       |                 |   |               | manun  | man and and and and and and and and and a | the stand of the second second | -                    |                          | 0 Hz     |                                     |          |
| -10.0   |       |                 |   |               | 1      |   |                                |                      |                          |          |                                     |          |
| -20.0   |       |                 |   |               |        |   |                                |                      |                          |          |                                     |          |
| -30.0   |       |                 | ~~~~  |               |        |   |                                | +                    |                          |          |                                     |          |
| -40.0   |       |                 |   |               |        |   |                                |                      | and the second states of |          |                                     |          |
| -50.0   |       |                 |   |               |        |   |                                |                      |                          |          |                                     |          |
| -60.0   |       |                 |   |               |        |   |                                |                      |                          |          |                                     |          |
| Start 2.533 GH  | z     |                 |   |               |        |   |                                | Sto                  | p 2.608 GHz              |          |                                     |          |
| 4 All Range Tabl  | le 🔻  |                 |   |               |        |   |                                |                      |                          |          |                                     |          |
|   |       |                 |   |               | M      | easure Trad                               | e                              |                      | Trace 1                  |          |                                     |          |
|   |       |                 |   |               | Tr     | асе Туре                                  |                                | Trace Avera          | ge (Active)              |          |                                     |          |
| Spur  | Range | Start Freq      | Stop Freq   | RBW           | Frequ  |   | Amplitude                      | ∆Limi                |                          |          |                                     |          |
| 1   | 1     |                 | 2.5400 GHz  |               |        |   | -36.30 dBm                     | -11.30               |                          |          |                                     |          |
| 2   |       |                 | 2.5650 GHz  |               |        |   | -29.94 dBm<br>-30.50 dBm       | -16.94               |                          |          |                                     | _        |
| 4   | 3     |                 | 2.5690 GHZ  |               |        |   | -30.50 dBm                     | -20.50               |                          |          |                                     |          |
| 5   |       |                 | 2.6075 GHz  |               |        |   | 3.991 dBm                      | -21.0                |                          |          |                                     |          |
| <b>4</b> 5  | 2     |                 | ov 19, 2022                                       |               |        |   |                                |                      |                          |          |                                     |          |

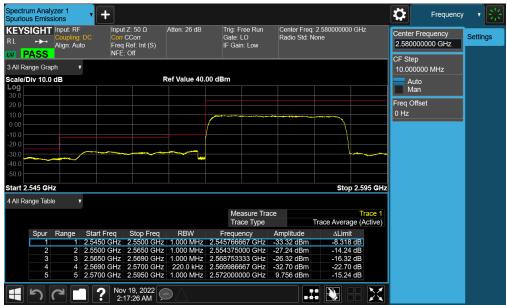
Plot 7-443. Lower Band Edge Plot (NR Band n38 - 30MHz CP-OFDM-QPSK - Full RB - Ant B)

| Spectru<br>Spuriou   | s Emiss   | sions                                | • +                |   |               |          |                           |                              |                       |                        | <b>\$</b>                | Frequency | - 米      |
|----------------------|---|--------------------------------------|--------------------|---|---------------|----------|---------------------------|------------------------------|-----------------------|------------------------|--------------------------|-----------|----------|
|                      | •   | Input: RF<br>Coupling:<br>Align: Aut | DC Corr<br>to Free | t Z: 50 Ω<br>CCorr<br>  Ref: Int (S)<br>: Off | Atten: 26 dB  | Gate     | Free Run<br>LO<br>in: Low | Center Freq:<br>Radio Std: N | : 2.605000000<br>Ione | ) GHz                  | Center Free<br>2.6050000 | <u> </u>  | Settings |
| 3 All Ra             | nge Gra   |                                      |                    |   |               |          |                           |                              |                       |                        | CF Step<br>10.000000     | MHz       |          |
| Scale/D              | 0iv 10.0  | dB                                   |                    |   | Ref Value 30. | 00 dBm   |                           |                              |                       |                        | Auto<br>Man              |           |          |
| 20.0<br>10.0<br>0.00 |   |                                      |                    | ,   |               |          |                           |                              |                       |                        | Freq Offset<br>0 Hz      |           |          |
| -10.0<br>-20.0       |   |                                      |                    |   |               |          |                           |                              |                       |                        |                          |           |          |
| -40.0<br>-50.0       | in the second | ~                                    |                    |   | <b>,</b>      |          |                           |                              |                       | ~~~                    |                          |           |          |
| -60.0<br>Start 2.    | 583 GH  | 7                                    |                    |   |               |          |                           |                              | Stor                  | 2.658 GHz              |                          |           |          |
| 4 All Ra             |   |                                      |                    |   |               |          |                           |                              |                       |                        |                          |           |          |
|                      |   |                                      |                    |   |               |          | easure Trac<br>ace Type   |                              | Trace Avera           | Trace 1<br>ge (Active) |                          |           |          |
|                      | Spur  | Range                                | Start Freq         | Stop Freq<br>2.6200 GHz                       | RBW           | Frequ    |                           | Amplitude<br>3.819 dBm       | ∆Limit<br>-21.18      |                        |                          |           |          |
|                      | 2   |                                      | 2.6200 GHz         | 2.6210 GHz                                    | 620.0 kHz     | 2.620056 | 667 GHz                   | -32.56 dBm                   | -22.56                | dB                     |                          |           |          |
|                      | 3   | 3                                    |                    | 2.6250 GHz<br>2.6500 GHz                      |               |          |                           | -31.70 dBm<br>-29.05 dBm     | -21.70<br>-16.05      |                        |                          |           |          |
|                      | 5   |                                      |                    | 2.6575 GHz                                    |               |          |                           |                              | -10.33                |                        |                          |           |          |
|                      | 5   | 2                                    |                    | v 19, 2022<br>14:38 AM                        |               |          |                           |                              |                       |                        |                          |           |          |

Plot 7-444. Upper Band Edge Plot (NR Band n38 - 30MHz CP-OFDM-QPSK – Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 261 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 201 01 379                   |
| ,                   |                         |                            | V11 0 9/14/2022                   |





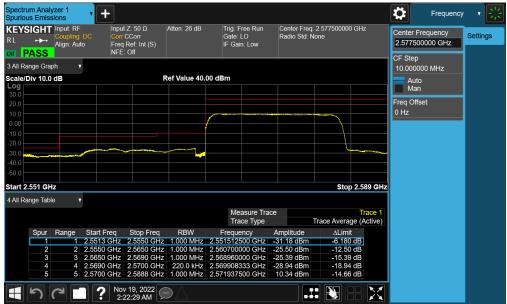
Plot 7-445. Lower Band Edge Plot (NR Band n38 - 20MHz CP-OFDM-QPSK - Full RB - Ant B)



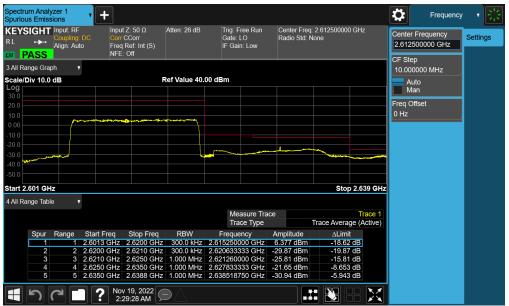
Plot 7-446. Upper Band Edge Plot (NR Band n38 - 20MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 262 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 202 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |





Plot 7-447. Lower Band Edge Plot (NR Band n38 - 15MHz CP-OFDM-QPSK - Full RB - Ant B)



Plot 7-448. Upper Band Edge Plot (NR Band n38 - 15MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 263 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 203 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |





Plot 7-449. Lower Band Edge Plot (NR Band n38 - 10MHz CP-OFDM-QPSK – Full RB - Ant B)

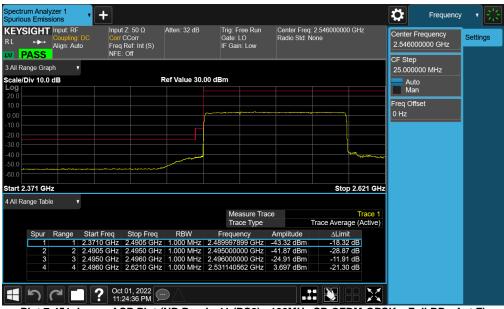


Plot 7-450. Upper Band Edge Plot (NR Band n38 - 10MHz CP-OFDM-QPSK - Full RB - Ant B)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 264 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 204 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |



## NR Band n41 (PC2) – Ant F



Plot 7-451. Lower ACP Plot (NR Band n41 (PC2) - 100MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-452. Upper ACP Plot (NR Band n41 (PC2) - 100MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | P                          |                                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 |                            |                                   |
|                     |                         |                            | \/11.0.0/14/2022                  |



| VSIGHT Input: RF<br>Coupling: DC<br>Align: Auto | Input Ζ: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S)<br>NFE: Off | Atten: 32 dB    | Trig: Free Run<br>Gate: LO<br>IF Gain: Low | Center Freq: 2<br>Radio Std: No | .541000000 GHz<br>ne   | Center Frequency<br>2.541000000 GHz | Settings |
|---|--|-----------------|--|---------------------------------|------------------------|-------------------------------------|----------|
| Range Graph v                                   |  |                 |  | 1                               |                        | CF Step<br>25.000000 MHz            |          |
| le/Div 10.0 dB                                  |  | Ref Value 30.00 | dBm  |                                 |                        | Auto                                | 1        |
| g   |  |                 |  |                                 |                        | Man                                 |          |
| 0   |  |                 |  |                                 |                        | Freq Offset<br>0 Hz                 |          |
|   |  |                 |  |                                 |                        | _                                   | 2        |
|   |  |                 |  |                                 |                        |                                     |          |
|   |  |                 |  |                                 |                        |                                     |          |
|   |  | ~~~             |  |                                 |                        |                                     |          |
| 0   |  |                 |  |                                 |                        |                                     |          |
| rt 2.396 GHz                                    |  |                 |  |                                 | Stop 2.596 GH          | z                                   |          |
| l Range Table 🛛 🔻                               |  |                 |  |                                 |                        |                                     |          |
|   |  |                 | Measure Trac                               | e                               | Trace 1                |                                     |          |
|   |  |                 | Trace Type                                 |                                 | ace Average (Active)   |                                     |          |
|   | tart Freq Stop Freq  | RBW             |  | Amplitude                       | ∆Limit                 |                                     |          |
|   | 3960 GHz 2.4905 GHz<br>4905 GHz 2.4950 GHz                   |                 |  | -36.84 dBm<br>-35.13 dBm        | -11.84 dB<br>-22.13 dB |                                     |          |
|   | 4950 GHz 2.4950 GHz  |                 |  | -29.30 dBm                      | -16.30 dB              |                                     |          |
|   | 4960 GHz 2.5960 GHz  |                 | .524643216 GHz                             | 1.763 dBm                       | -23.24 dB              |                                     |          |

Plot 7-453. Lower ACP Plot (NR Band n41 (PC2) - 90MHz CP-OFDM-QPSK - Full RB - Ant F)

| Spectrum Analyz<br>Spurious Emissio |   | <b>+</b>   |                          |               |                     |   |       |                              |                              |                         | \$                    | Frequency           | · • 😤    |
|-------------------------------------|---|------------|--------------------------|---------------|---------------------|---|-------|------------------------------|------------------------------|-------------------------|-----------------------|---------------------|----------|
|                                     | Input: RF<br>Coupling: I<br>Align: Auto |            | CCorr<br>Ref: Int (S)    | Atten: 32 dB  | G                   | rig: Free Run<br>late: LO<br><sup>-</sup> Gain: Low |       | Center Freq:<br>Radio Std: N | 2.64501000<br>lone           | 0 GHz                   | Center Fr<br>2.645010 | equency<br>1000 GHz | Settings |
| 3 All Range Grapt                   |   |            |                          |               |                     |   |       |                              |                              |                         | CF Step<br>25.00000   | 0 MHz               |          |
| Scale/Div 10.0 c                    | 1B                                      |            |                          | ef Value 30.0 | JU dBn              | n   |       |                              |                              |                         | Auto<br>Man           |                     |          |
| 20.0<br>10.0<br>0.00                |   | ~~~~~      | ~~~~~~                   | ·             |                     |   |       |                              |                              |                         | Freq Offs<br>0 Hz     | et                  |          |
| -10.0                               |   |            |                          |               |                     |   |       |                              |                              |                         |                       |                     |          |
| -30.0                               | -                                       |            |                          |               |                     |   |       |                              |                              |                         |                       |                     |          |
| -50.0                               | ~                                       |            |                          |               | loung of the second | ~~~~~   | ~~~   | ······                       |                              |                         |                       |                     |          |
| -60.0<br>Start 2.578 GHz            |   |            |                          |               |                     |   |       |                              | Sto                          | p 2.803 GHz             |                       |                     |          |
| 4 All Range Table                   | • •                                     |            |                          |               |                     |   |       |                              |                              |                         |                       |                     |          |
|                                     |   |            |                          |               |                     | Measure Tr<br>Trace Type                            |       |                              | Trace Avera                  | Trace 1<br>ige (Active) |                       |                     |          |
| Spur I                              | Range                                   | Start Freq | Stop Freq                | RBW           |                     | equency   |       | nplitude                     | ∆Limi                        |                         |                       |                     |          |
| 2                                   |   |            | 2.6900 GHz<br>2.6910 GHz |               |                     |   |       | 391 dBm<br>3.98 dBm          | -20.6 <sup>-</sup><br>-18.98 |                         |                       |                     |          |
| 3                                   | 3                                       | 2.6910 GHz | 2.6950 GHz               | 1.000 MHz     | 2.691               | 080000 GHz  | z -4' | 1.75 dBm                     | -31.7                        | 5 dB                    |                       |                     |          |
| 4                                   |   |            | 2.7800 GHz<br>2.8025 GHz |               |                     |   |       | 2.78 dBm<br>4.44 dBm         | -29.78<br>-29.44             |                         |                       |                     |          |
| <b>1</b> 50                         | 7                                       |            | t 01, 2022<br>30:17 PM   |               |                     |   |       |                              |                              |                         |                       |                     |          |

Plot 7-454. Upper ACP Plot (NR Band n41 (PC2) - 90MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
|---------------------|-------------------------|----------------------------|-----------------------------------|
| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 266 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 200 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |



| Align: Auto        | Input Z: 50 Ω<br>Corr CCorr<br>Freq Ref: Int (S)<br>NFE: Off | Atten: 32 dB    | Trig: Free Run<br>Gate: LO<br>IF Gain: Low | Center Freq: 2.<br>Radio Std: Non | 535990000 GHz<br>e              | Center Frequency<br>2.535990000 GHz | Settings |
|--------------------|--|-----------------|--|-----------------------------------|---------------------------------|-------------------------------------|----------|
| PASS               |  | Ref Value 30.00 | dBm  |                                   |                                 | CF Step<br>25.000000 MHz            |          |
| g                  |  |                 |  |                                   |                                 | Man                                 |          |
| 0                  |  |                 | energy and the first sector of the         |                                   |                                 | Freq Offset<br>0 Hz                 | 1        |
|                    |  |                 |  |                                   |                                 |                                     |          |
|                    |  |                 |  |                                   |                                 |                                     |          |
|                    | ممر  |                 |  |                                   |                                 |                                     |          |
| .0                 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~                       |                 |  |                                   |                                 |                                     |          |
| rt 2.396 GHz       |  |                 |  |                                   | Stop 2.596 GH;                  |                                     |          |
| ll Range Table 🛛 🔻 |  |                 |  |                                   | •                               |                                     |          |
|                    |  |                 | Measure Trace<br>Trace Type                |                                   | Trace 1<br>ace Average (Active) |                                     |          |
|                    | t Freq Stop Freq<br>50 GHz 2.4905 GHz                        | RBW             |  | Amplitude<br>-35.73 dBm           | ∆Limit<br>-10.73 dB             |                                     |          |
|                    | 0 GHz 2.4905 GHz<br>05 GHz 2.4950 GHz                        |                 |  | -35.73 dBm<br>-34.51 dBm          | -10.73 dB<br>-21.51 dB          |                                     |          |
| 3 3 2.49           | 50 GHz 2.4960 GHz<br>50 GHz 2.5960 GHz                       | 820.0 kHz 2     | .495910000 GHz                             | -34.33 dBm<br>2.315 dBm           | -21.33 dB<br>-22.69 dB          |                                     |          |

Plot 7-455. Lower ACP Plot (NR Band n41 (PC2) - 80MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectrum An<br>Spurious Em |                       | • +            |   |               |               |  |                             |                       |                       | \$                    | Frequency           | / - 1 崇  |
|----------------------------|-----------------------|----------------|---|---------------|---------------|--|-----------------------------|-----------------------|-----------------------|-----------------------|---------------------|----------|
|                            | Coupling<br>Align: Au | DC Contro Free | tt Z: 50 Ω<br>CCorr<br>a Ref: Int (S)<br>:: Off | Atten: 32 dB  |               | rig: Free Run<br>Sate: LO<br>F Gain: Low | Center Fred<br>Radio Std: 1 | : 2.650020000<br>None | GHz                   | Center Fr<br>2.650020 | equency<br>)000 GHz | Settings |
| 3 All Range G              | raph                  |                |   |               |               |  |                             |                       |                       | CF Step<br>25.0000    | 00 MHz              |          |
| Scale/Div 10               | .0 dB                 |                | 5   | Ref Value 30. | 00 dBr        | n  |                             |                       |                       | Auto<br>Man           |                     |          |
| 10.0                       | ,                     | ·              |   |               |               |  |                             |                       |                       | Freq Offs<br>0 Hz     | et                  |          |
| -10.0                      |                       |                |   |               |               |  |                             |                       |                       |                       |                     |          |
| -30.0                      |                       |                |   |               | <b>`~</b> ~~~ | ~~~~                                     | ~                           |                       |                       |                       |                     |          |
| -50.0                      |                       |                |   |               |               |  |                             | · ····                |                       |                       |                     |          |
| Start 2.590 0              | Hz                    |                |   |               |               |  |                             | Stop                  | 2.790 GHz             |                       |                     |          |
| 4 All Range Ta             | ble v                 | 7              |   |               |               |  |                             |                       | _                     |                       |                     |          |
|                            |                       |                |   |               |               | Measure Tra<br>Trace Type                | ce                          | Trace Averag          | Trace 1<br>e (Active) |                       |                     |          |
| Spu                        | Range                 | Start Freq     | Stop Freq<br>2.6900 GHz                         | RBW           |               | equency                                  | Amplitude<br>4.859 dBm      | ∆Limit<br>-20.14      |                       |                       |                     |          |
|                            |                       | 2.6900 GHz     | 2.6910 GHz                                      | 1.000 MHz     | 2.690         | 000000 GHz                               | -29.64 dBm                  | -19.64                | dB                    |                       |                     |          |
|                            | 3 3<br>4 4            |                | 2.6950 GHz<br>2.7700 GHz                        |               |               |  | -38.19 dBm<br>-40.03 dBm    | -28.19<br>-27.03      |                       |                       |                     |          |
|                            |                       |                | 2.7900 GHz                                      |               |               |  |                             | -29.49                |                       |                       |                     |          |
| <b>1</b> 5                 | 2                     |                | t 01, 2022<br>:32:48 PM                         |               |               |  |                             |                       |                       |                       |                     |          |

Plot 7-456. Upper ACP Plot (NR Band n41 (PC2) - 80MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT               | Approved by:<br>Technical Manager |  |  |  |  |
|---------------------|-------------------------|--|-----------------------------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                                | Page 267 of 379                   |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | 09/02/2022 - 11/20/2022 Portable Handset |                                   |  |  |  |  |
|                     |                         |  | V11 0 9/14/2022                   |  |  |  |  |





Plot 7-457. Lower ACP Plot (NR Band n41 (PC2) - 70MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectru<br>Spuriou   |                       |                                     | • +                                    |  |                                     |  |   |  |  |                        | ₽                       | Frequency | - * 亲    |
|----------------------|-----------------------|-------------------------------------|--|--|-------------------------------------|--|---|--|--|------------------------|-------------------------|-----------|----------|
| RL                   | ++-                   | Input: RF<br>Coupling:<br>Align: Au | DC Corr<br>to Free                     | t Z: 50 Ω<br>CCorr<br>  Ref: Int (S)<br>: Off                      | Atten: 32 dB                        | Gate:  | Free Run<br>LO<br>in: Low               | Center Fred<br>Radio Std: I            | : 2.65500000<br>None                           | 0 GHz                  | Center Fre<br>2.6550000 |           | Settings |
| 3 All Ra             | nge Gra               |                                     |  |  |                                     |  |   |  |  |                        | CF Step<br>25.00000     | ) MHz     |          |
| Scale/E              | 0iv 10.0              | dB                                  |  |  | Ref Value 30.0                      | 00 dBm                                       |   |  |  |                        | Auto<br>Man             |           |          |
| 20.0<br>10.0<br>0.00 |                       | palipa                              | mananananan                            | odelWallstedmetalised  | สถามประเภาสายาา                     |  |   |  |  |                        | Freq Offse<br>0 Hz      | t         |          |
| -10.0                |                       |                                     |  |  |                                     |  |   |  |  |                        |                         |           |          |
| -30.0                |                       | -and                                |  |  |                                     | <b>~~</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~                                    |  |                        |                         |           |          |
| -60.0                |                       |                                     |  |  |                                     |  |   |  |  |                        |                         |           |          |
| Start 2.<br>4 All Ra |                       |                                     | ,                                      |  |                                     |  |   |  | Sto  | p 2.778 GHz            |                         |           |          |
|                      |                       |                                     |  |  |                                     |  | easure Trac<br>ace Type                 | ce 🛛                                   | Trace Avera                                    | Trace 1<br>ge (Active) |                         |           |          |
|                      | Spur                  | Range                               | Start Freq                             | Stop Freq<br>2.6900 GHz  | RBW<br>750.0 kHz                    | Frequ  |   | Amplitude<br>3.223 dBm                 | ∆Limi<br>-21.78                                |                        |                         |           |          |
|                      | 1<br>2<br>3<br>4<br>5 | 3<br>4                              | 2.6900 GHz<br>2.6910 GHz<br>2.6950 GHz | 2.6900 GHz<br>2.6910 GHz<br>2.6950 GHz<br>2.7600 GHz<br>2.7775 GHz | 1.000 MHz<br>1.000 MHz<br>1.000 MHz | 2.690000<br>2.691320<br>2.697015             | 000 GHz<br>000 GHz<br>504 GHz           | -31.39 dBm<br>-33.53 dBm<br>-33.01 dBm | -21.78<br>-21.39<br>-23.53<br>-20.07<br>-29.38 | edB<br>3 dB<br>1 dB    |                         |           |          |
|                      | 5                     |                                     |  | t 01, 2022<br>41:04 PM   |                                     | 2  | or of the                               |  |  |                        |                         |           |          |

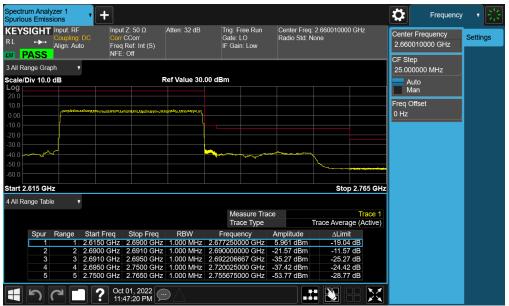
Plot 7-458. Upper ACP Plot (NR Band n41 (PC2) - 70MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT               | Approved by:<br>Technical Manager |  |  |  |  |
|---------------------|-------------------------|--|-----------------------------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                                | Page 268 of 379                   |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | 09/02/2022 - 11/20/2022 Portable Handset |                                   |  |  |  |  |
|                     |                         |  | V11.0 9/14/2022                   |  |  |  |  |





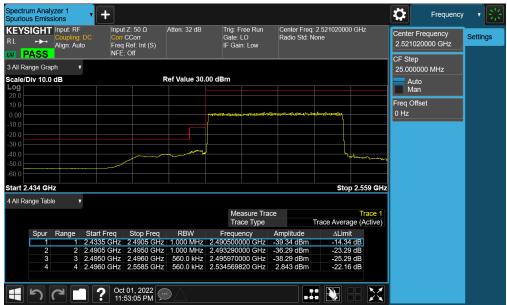
Plot 7-459. Lower ACP Plot (NR Band n41 (PC2) - 60MHz CP-OFDM-QPSK - Full RB - Ant F)



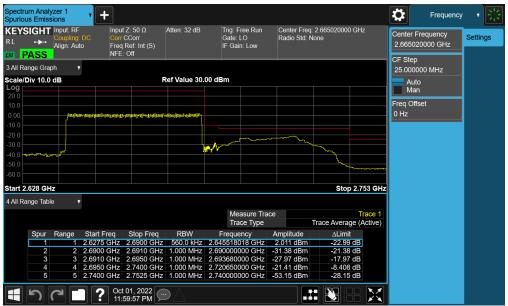
Plot 7-460. Upper ACP Plot (NR Band n41 (PC2) - 60MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT               | Approved by:<br>Technical Manager |  |  |  |  |
|---------------------|-------------------------|--|-----------------------------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                                | Page 269 of 379                   |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | 09/02/2022 - 11/20/2022 Portable Handset |                                   |  |  |  |  |
|                     |                         |  | V11 0 9/14/2022                   |  |  |  |  |





Plot 7-461. Lower ACP Plot (NR Band n41 (PC2) - 50MHz CP-OFDM-QPSK - Full RB - Ant F)



Plot 7-462. Upper ACP Plot (NR Band n41 (PC2) - 50MHz CP-OFDM-QPSK - Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT               |                 |  |  |  |  |
|---------------------|-------------------------|--|-----------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                                | Page 270 of 379 |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | 09/02/2022 - 11/20/2022 Portable Handset |                 |  |  |  |  |
|                     |                         |  | V11.0 9/14/2022 |  |  |  |  |



| Align: Auto                                 | Input Ζ: 50 Ω Atten<br>Corr CCorr<br>Freq Ref: Int (S)<br>NFE: Off | n: 32 dB Trig: Fre<br>Gate: LC<br>IF Gain: | D Radio Std:                              | q: 2.516010000 GHz<br>None   | Center Frequency<br>2.516010000 GHz | Settings |
|---|--|--|---|--|-------------------------------------|----------|
| PASS<br>Il Range Graph v<br>ale/Div 10.0 dB |  | /alue 30.00 dBm                            |   |  | CF Step<br>25.000000 MHz            |          |
| <b>g</b>                                    |  |  |   |  | Man                                 |          |
| .0  |  |  | ումուլոր-ըկուրանիկունիա                   | WANDAWAN   | Freq Offset<br>0 Hz                 |          |
|   |  | Jale of second control                     | ander office and the street of the street |  |                                     |          |
| .0  |  |  |   |  |                                     |          |
| .0  |  | - January                                  |   | Lange and the second se |                                     |          |
| .0  |  |  |   |  |                                     |          |
| .0  |  |  |   |  |                                     |          |
| rt 2.446 GHz                                |  |  |   | Stop 2.546 GHz   |                                     |          |
| Il Range Table 🔹 🔻                          |  |  |   |  |                                     |          |
|   |  |  | sure Trace<br>e Type                      | Trace 1<br>Trace Average (Active)  |                                     |          |
|   |  | RBW Frequen                                |   | ∆Limit   |                                     |          |
|   | 60 GHz 2.4905 GHz 1.00<br>05 GHz 2.4950 GHz 1.00                   | 00 MHz 2.49050000<br>00 MHz 2.49428000     |   | -15.16 dB<br>-24.95 dB   |                                     |          |
|   |  | 0.0 kHz 2.49599000                         |   | -25.09 dB  |                                     |          |
| 4 4 2.496                                   | 60 GHz 2.5460 GHz 430  | 0.0 kHz 2.52435497                         | 8 GHz 2.280 dBm                           | -22.72 dB  |                                     |          |

Plot 7-463. Lower ACP Plot (NR Band n41 (PC2) - 40MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectrue<br>Spurious | s Emiss   | sions                                | • +            |  |                   |                        |              |         |                        |                         |       |                  |                        | \$               | Frequency               | · • 🔆    |
|----------------------|-----------|--------------------------------------|----------------|--|-------------------|------------------------|--------------|---------|------------------------|-------------------------|-------|------------------|------------------------|------------------|-------------------------|----------|
| RL                   | ++-       | Input: RF<br>Coupling:<br>Align: Aut | DC C<br>o F    | put Z:<br>orr CCo<br>req Ref<br>FE: Off  | orr<br>f: Int (S) | Atten: 32 dB           |              | Sate: L | ee Run<br>.O<br>I: Low | Center Fre<br>Radio Std |       | 0000000          | ) GHz                  |                  | Frequency<br>000000 GHz | Settings |
| 3 All Rar            |           |                                      | K              | FL. UII                                  |                   |                        |              |         |                        |                         |       |                  |                        | CF Ste<br>25.000 | p<br>1000 MHz           |          |
| Scale/D              | iv 10.0   | dB                                   |                |  | R                 | ef Value 30.           | 00 dBr       | n       |                        |                         |       |                  |                        | Au<br>Ma         |                         |          |
| 20.0<br>10.0<br>0.00 |           | กเพศาณ                               | U-ALINDANA AND | n an | numballada        | ເຫັດເມັດແມ່ນເປັນເຫຼົ່າ |              |         |                        |                         |       |                  |                        | Freq O<br>0 Hz   | ffset                   |          |
| -10.0                |           | - [                                  |                |  |                   |                        |              |         |                        |                         |       |                  |                        |                  |                         |          |
| -30.0                |           |                                      |                |  |                   |                        | Nin-Jahryan, |         | Dave                   |                         |       |                  |                        |                  |                         |          |
| -40.0                | AND AND A |                                      |                |  |                   |                        |              |         |                        |                         | ~~~~  | ~~~~             |                        |                  |                         |          |
| Start 2.0            | 640 GH    | z                                    |                |  |                   |                        |              |         |                        |                         |       | Stop             | 2.740 GHz              |                  |                         |          |
| 4 All Rar            | nge Tabl  | e 🔻                                  |                |  |                   |                        |              |         |                        |                         |       |                  |                        |                  |                         |          |
|                      |           |                                      |                |  |                   |                        |              |         | asure Tra<br>ce Type   | ce                      | Trace | e Avera          | Trace 1<br>ge (Active) |                  |                         |          |
|                      | Spur      | Range                                | Start Free     |  | top Freq          | RBW                    |              | eque    |                        | Amplitude               |       | ∆Limi            |                        |                  |                         |          |
|                      | 1         |                                      | 2.6400 GH      |  | 6900 GHz          | 430.0 kHz<br>820.0 kHz |              |         |                        | 2.006 dBm<br>-35.35 dBm |       | -22.99<br>-25.35 |                        |                  |                         |          |
|                      | 2         |                                      |                |  |                   | 1.000 MHz              |              |         |                        | -35.95 dBn              |       | -25.95           |                        |                  |                         |          |
|                      | 4         | 4                                    |                |  |                   | 1.000 MHz              |              |         |                        | -38.49 dBm              |       | -25.49           |                        |                  |                         |          |
|                      | 5         | 5                                    |                |  |                   | 1.000 MHz              |              |         |                        |                         |       | -20.94           |                        |                  |                         |          |
|                      | 5         | <b>C</b>                             |                | Oct 02                                   | , 2022<br>58 AM   |                        |              |         |                        |                         |       |                  |                        |                  |                         |          |

Plot 7-464. Upper ACP Plot (NR Band n41 (PC2) - 40MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT               | Approved by:<br>Technical Manager |  |  |  |  |
|---------------------|-------------------------|--|-----------------------------------|--|--|--|--|
| Test Report S/N:    | Test Dates:             | EUT Type:                                | Page 271 of 379                   |  |  |  |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | 09/02/2022 - 11/20/2022 Portable Handset |                                   |  |  |  |  |
|                     |                         |  | V11 0 9/14/2022                   |  |  |  |  |



| Coupling: DC         | Input Ζ: 50 Ω Atten: 32 dB<br>Corr CCorr<br>Freq Ref: Int (S) |                             | enter Freq: 2.511000000 GHz<br>idio Std: None   | Center Frequency<br>2.511000000 GHz | v 🔛<br>Settings |
|----------------------|---|-----------------------------|---|-------------------------------------|-----------------|
|                      | NFE: Off Ref Value 30.00                                      | dBm                         |   | CF Step<br>25.000000 MHz            |                 |
|                      |   |                             |   | Auto<br>Man                         |                 |
|                      |   | ՌոՐորայանիկություն          | ppunghrippung   | Freq Offset<br>0 Hz                 |                 |
| 10.0                 |   |                             |   |                                     |                 |
| 30.0                 |   |                             | State Contraction of the second se |                                     |                 |
| 50.0                 |   |                             |   |                                     |                 |
| Start 2.459 GHz      |   |                             | Stop 2.534 GHz  |                                     |                 |
| All Range Table      |   |                             |   |                                     |                 |
|                      |   | Measure Trace<br>Trace Type | Trace 1<br>Trace Average (Active)   |                                     |                 |
| Spur Range Start Fre | eq Stop Freq RBW<br>GHz 2.4905 GHz 1.000 MHz 2                |                             | olitude ∆Limit<br>84 dBm -11.84 dBl   |                                     |                 |
|                      |   |                             | 84 dBm -11.84 dB<br>63 dBm -19.63 dB  |                                     |                 |
| 3 3 2.4950 0         |   | .495980000 GHz -35.8        | B2 dBm         -22.82 dB           01 dBm         -22.30 dB   |                                     |                 |
|                      | Oct 02, 2022  |                             |   |                                     |                 |

Plot 7-465. Lower ACP Plot (NR Band n41 (PC2) - 30MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectru<br>Spuriou |         |                                    | • +        | ·        |                          |                        |       |                               |                      |                         |     |                  |                        |                 | Frequency              | · · <del> </del> <del>※</del> |
|--------------------|---------|------------------------------------|------------|----------|--------------------------|------------------------|-------|-------------------------------|----------------------|-------------------------|-----|------------------|------------------------|-----------------|------------------------|-------------------------------|
| RL                 | +       | Input: RF<br>Coupling<br>Align: Au |            | Corr C   | Corr<br>Ref: Int (S)     | Atten: 32 dB           |       | Trig: F<br>Gate: I<br>IF Gaii |                      | Center Fi<br>Radio Sto  |     | 675010000<br>e   | ) GHz                  |                 | Frequency<br>10000 GHz | Settings                      |
| 3 All Rai          | nge Gra |                                    |            | NFL.     |                          |                        |       |                               |                      |                         |     |                  |                        | L               | 000 MHz                |                               |
| Scale/D            | iv 10.0 | dB                                 |            |          | R                        | ef Value 30.           | 00 dE | sm                            |                      |                         |     |                  |                        | Au<br>Ma        |                        |                               |
| 20.0               |         | րտվ                                | nniotmintu | մուլոներ | unur-mutuut              | ույամահայտեվ           |       |                               |                      |                         |     |                  |                        | Freq Of<br>0 Hz | fset                   |                               |
| -10.0              |         |                                    |            |          |                          |                        |       |                               |                      |                         |     |                  |                        |                 |                        |                               |
| -30.0              |         | w-antel <sup>ev</sup>              |            |          |                          | l                      | ~~~   |                               |                      |                         |     |                  |                        |                 |                        |                               |
| -50.0              |         |                                    |            |          |                          |                        |       |                               |                      |                         |     |                  |                        |                 |                        |                               |
| -60.0<br>Start 2.  | 653 GH  |                                    |            |          |                          |                        |       |                               |                      |                         |     | Stor             | 2.728 GHz              |                 |                        |                               |
| 4 All Rai          |         |                                    | /          |          |                          |                        |       |                               |                      |                         |     | 0.01             | 2.720 6112             |                 |                        |                               |
|                    |         |                                    |            |          |                          |                        |       |                               | asure Tra<br>ce Type | ce                      | Tra | ice Avera        | Trace 1<br>ge (Active) |                 |                        |                               |
|                    | Spur    | Range                              | Start Fr   |          | Stop Freq                | RBW                    |       | reque                         |                      | Amplitude               |     | ∆Limi            |                        |                 |                        |                               |
|                    | 1       | 2                                  |            |          | 2.6900 GHz<br>2.6910 GHz | 330.0 kHz<br>620.0 kHz |       |                               |                      | 3.159 dBr<br>-34.22 dBr |     | -21.84<br>-24.22 |                        |                 |                        |                               |
|                    | 3       |                                    | 2.6910 (   | GHz 2    | 2.6950 GHz               | 1.000 MHz              | 2.69  | 31600                         | 00 GHz               | -33.04 dBr              |     | -23.04           | dB                     |                 |                        |                               |
|                    | 4       | 4                                  |            |          | 2.7200 GHz               |                        |       |                               |                      | -32.79 dBr              |     | -19.79           |                        |                 |                        |                               |
|                    | 5       | 5                                  | 2.7200 (   | GHz 2    | 2.7275 GHz               | 1.000 MHz              | 2.72  | 00000                         | 00 GHz               | -39.06 dBr              | m   | -14.06           | dB                     |                 |                        |                               |
|                    | 5       | 2                                  | ]?         |          | 02, 2022<br>9:47 AM      |                        |       |                               |                      |                         |     |                  |                        |                 |                        |                               |

Plot 7-466. Upper ACP Plot (NR Band n41 (PC2) - 30MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
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| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 272 of 379                   |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 272 01 379                   |
|                     |                         |                            | V11 0 9/14/2022                   |



| Spectru<br>Spuriou | im Analy<br>is Emiss |                                      | • +                  |                  |                      |               |  |                                    |              |                            |                         |                             | \$                | Frequency              | - * 崇    |
|--------------------|----------------------|--------------------------------------|----------------------|------------------|----------------------|---------------|--|------------------------------------|--------------|----------------------------|-------------------------|-----------------------------|-------------------|------------------------|----------|
| RL                 | +                    | Input: RF<br>Coupling:<br>Align: Aut | DC (<br>o l          |                  | orr<br>f: Int (S)    | Atten: 32 dB  | Ga   | g: Free Run<br>te: LO<br>Gain: Low |              | enter Freq:<br>adio Std: N | 2.50599000<br>one       | 00 GHz                      |                   | Frequency<br>90000 GHz | Settings |
| 3 All Ra           | ASS<br>nge Gra       |                                      |                      | IFE: Of          |                      |               |  |                                    |              |                            |                         |                             | CF Step<br>25.000 | 000 MHz                |          |
| Scale/L            | 0iv 10.0             | dB                                   |                      |                  |                      | Ref Value 30. | 00 dBm   |                                    |              |                            |                         |                             | Au<br>Ma          |                        |          |
| 10.0               |                      |                                      |                      |                  |                      |               | - A CINA AN A | unity winders de                   | Winnle       | ununati                    | AUNINUUs                |                             | Freq Of<br>0 Hz   | fset                   |          |
| -10.0              |                      |                                      |                      |                  |                      |               | 010+0+40410                                    |                                    |              |                            |                         |                             |                   |                        |          |
| -30.0<br>-40.0     |                      |                                      |                      |                  | ·                    | mmmm          | μ  |                                    |              |                            |                         | ն <sub>ՍՄՄԻ-Աստվեծ-լո</sub> |                   |                        |          |
| -50.0<br>-60.0     |                      |                                      |                      |                  |                      |               |  |                                    |              |                            |                         |                             |                   |                        |          |
| Start 2.           | 471 GH               | z                                    |                      |                  |                      |               |  |                                    |              |                            | Sto                     | p 2.521 GHz                 | 1                 |                        |          |
| 4 All Ra           | nge Tabl             | e ▼                                  |                      |                  |                      |               |  | Measure Tra<br>Trace Type          | ace          |                            | Trace Aver              | Trace 1<br>age (Active)     |                   |                        |          |
|                    | Spur                 | Range                                | Start Fre            |                  | top Freq             | RBW           | Free   | quency                             |              | plitude                    | ∆Lin                    | nit                         |                   |                        |          |
|                    | 1<br>2<br>3          | 2<br>3                               | 2.4905 G<br>2.4950 G | Hz 2.4<br>Hz 2.4 | 4950 GHz<br>4960 GHz | 240.0 kHz     | 2.4946<br>2.4959                               | 40000 GHz<br>90000 GHz             | -34.<br>-35. | 35 dBm<br>58 dBm<br>16 dBm | -12.3<br>-21.5<br>-22.1 | 8 dB<br>6 dB                |                   |                        | _        |
|                    | 4                    | 4                                    | 2.4960 G             | Hz 2.            | 5210 GHz             | 240.0 kHz     | 2.5132   | 70531 GHz                          | 3.1          | 57 dBm                     | -21.8                   | 4 dB                        |                   |                        |          |
|                    | 5                    | 2                                    | ?                    |                  | 2, 2022<br>43 AM     |               |  |                                    |              |                            |                         |                             |                   |                        |          |

Plot 7-467. Lower ACP Plot (NR Band n41 (PC2) - 20MHz CP-OFDM-QPSK – Full RB - Ant F)

| Spectrum Analy<br>Spurious Emiss |                               | • +                                 |                          |                    |          |                              |                          |   |                       | \$               | Frequency                           | - • 张 |
|----------------------------------|-------------------------------|-------------------------------------|--------------------------|--------------------|----------|------------------------------|--------------------------|---|-----------------------|------------------|-------------------------------------|-------|
| RL ↔                             | Align: Auto Freq Ref: Int (S) |                                     | CCorr<br>Ref: Int (S)    | Atten: 32 dB       | Gate     | Free Run<br>: LO<br>ain: Low |                          | Center Freq: 2.680020000 GHz<br>Radio Std: None |                       |                  | Center Frequency<br>2.680020000 GHz |       |
| 3 All Range Grap                 |                               |                                     |                          |                    |          |                              |                          |   |                       |                  | 000 MHz                             |       |
| Scale/Div 10.0                   | dB                            |                                     | F                        | Ref Value 30.      | 00 dBm   |                              |                          |   |                       | Aut<br>Ma        |                                     |       |
| 20.0<br>10.0<br>0.00             |                               | alforfillin hat hilfortin nin F-Ali |                          | innin miningerille |          |                              |                          |   |                       | Freq Off<br>0 Hz | fset                                |       |
| -10.0                            |                               |                                     |                          |                    |          |                              |                          |   |                       |                  |                                     |       |
| -30.0<br>-40.0                   | pull <sup>l</sup>             |                                     |                          | \                  | in white | w                            | ~~~~                     | ~~~~~~~   |                       |                  |                                     |       |
|                                  |                               |                                     |                          |                    |          |                              |                          |   |                       |                  |                                     |       |
| Start 2.665 GH                   |                               |                                     |                          |                    |          |                              |                          | Stop  | 2.715 GHz             |                  |                                     |       |
|                                  |                               |                                     |                          |                    |          | easure Tra<br>ace Type       | ice                      | Trace Averag                                    | Trace 1<br>e (Active) |                  |                                     |       |
| Spur                             | Range                         | Start Freq                          | Stop Freq                | RBW                | Frequ    |                              | Amplitude                | ∆Limit  |                       |                  |                                     |       |
| 2                                |                               |                                     | 2.6900 GHz<br>2.6910 GHz |                    |          |                              | 2.496 dBm<br>-33.70 dBm  | -22.50<br>-23.70                                |                       |                  |                                     |       |
| 3                                | 3                             | 2.6910 GHz                          | 2.6950 GHz               | 1.000 MHz          | 2.691000 | 000 GHz                      | -32.93 dBm               | -22.93  | dB                    |                  |                                     |       |
| 4<br>5                           |                               |                                     | 2.7100 GHz<br>2.7150 GHz |                    |          |                              | -37.53 dBm<br>-42.31 dBm | -24.53<br>-17.31                                |                       |                  |                                     |       |
| <b>د</b>                         | 2                             |                                     | 102, 2022<br>18:34 AM    |                    |          |                              |                          |   |                       |                  |                                     |       |

Plot 7-468. Upper ACP Plot (NR Band n41 (PC2) - 20MHz CP-OFDM-QPSK – Full RB - Ant F)

| FCC ID: A3LSMS916U  |                         | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |  |
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| Test Report S/N:    | Test Dates:             | EUT Type:                  | Page 273 of 379                   |  |
| 1M2209010097-04.A3L | 09/02/2022 - 11/20/2022 | Portable Handset           | Fage 213 01 379                   |  |
|                     |                         |                            | V/11 0 0/1//2022                  |  |