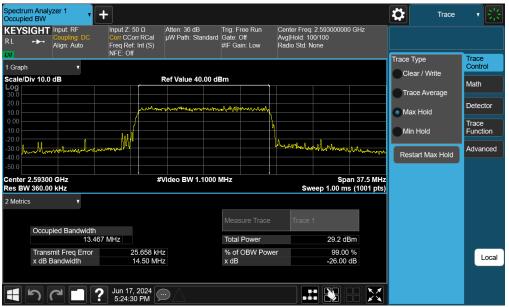


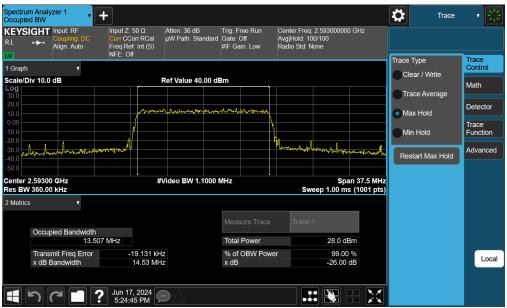
Plot 7-42. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 20MHz 16-QAM - Full RB)



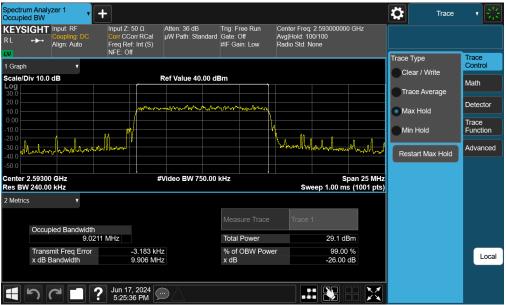
Plot 7-43. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 15MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dego 41 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 41 of 188 |
| © 2024 ELEMENT | • | | V11.1 08/28/2023 |





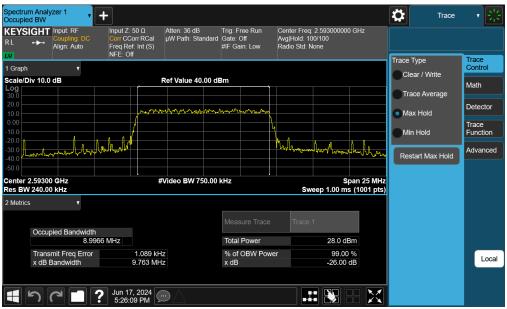
Plot 7-44. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 15MHz 16-QAM - Full RB)



Plot 7-45. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 10MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dego 42 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 42 of 188 |
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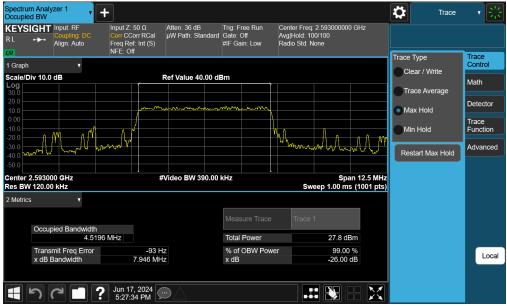
Plot 7-46. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 10MHz 16-QAM - Full RB)



Plot 7-47. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 5MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dage 42 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 43 of 188 |
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Plot 7-48. Occupied Bandwidth Plot (LTE Band 41(PC3)/38 - 5MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 44 of 188 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Faye 44 01 100 |
| © 2024 ELEMENT | • | · | V11.1 08/28/2023 |



NR Band n30

| Mode | Bandwidth | Modulation | OBW [MHz] |
|----------|-----------|------------|-----------|
| | | π/2 BPSK | 9.00 |
| | 10MHz | QPSK | 9.33 |
| NR-n30 | | 16QAM | 9.33 |
| NIX-1150 | | π/2 BPSK | 4.48 |
| | 5MHz | QPSK | 4.51 |
| | | 16QAM | 4.50 |

Table 7-8. Occupied Bandwidth Test Results (NR Band n30)

| 🔤 Keysight Spectrum Analyzer - Occupier | | | | |
|---|------------------------|------------------------------|--|------------------|
| RLT RF 50Ω AC | C CORREC ##IFGain:Low | Center Freq: 2.310000000 GHz | LIGN AUTO 10:55:41 AM Jun 11 Radio Std: None 100/100 Radio Device: B1 | Trace/Detector |
| 10 dB/div Ref 40.00 d Log 20.0 | Bm | | | ClearWrite |
| 10.0 | | | | Average |
| 20.0 | NA | | why | Max Hold |
| Center 2.31000 GHz Res BW 240 kHz | -141- | #VBW 750 kHz Total Power | Span 25.00 Sweep 1 31.2 dBm | |
| Occupied Bandwi { | 8.9954 MH | | 51.2 UBII | Detecto Peakl |
| Transmit Freq Error x dB Bandwidth | -171.82 ki 9.618 Mi | | r 99.00 % -26.00 dB | Auto <u>Mar</u> |
| ISG | | | STATUS | |

Plot 7-49. Occupied Bandwidth Plot (NR Band n30 - 10MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dego 45 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 45 of 188 |
| © 2024 ELEMENT | • | · | V11.1 08/28/2023 |



| Keysight Spectrum Analyzer - Occupied BV | V | | | | |
|--|--------------------|--------------------|---|-----------------|-------------------|
| <mark>(X</mark> RLT RF 50Ω AC | CORREC | SENSE:INT | ALIGN AUTO 05:30:38 Radio St | PM Jun 10, 2024 | Trace/Detector |
| | | Free Run Avg Hold: | | a. None | |
| | #IFGain:Low #Atten | n: 36 dB | Radio De | evice: BTS | |
| | | | | | |
| 10 dB/div Ref 40.00 dBn | n | | | | |
| | | | | | |
| 30.0 | | | | | Clear Write |
| 20.0 | | | | | |
| 10.0 | | | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| -20.0 | ~~~~ | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~ | |
| -30.0 | | | | · ······· | |
| -40.0 | | | | | Max Hold |
| -50.0 | | | | | WIGATIOIG |
| | | | | | |
| Center 2.31000 GHz | | | | 25.00 MHz | |
| Res BW 240 kHz | # | VBW 750 kHz | Sw | veep 1 ms | Min Hold |
| Occupied Bandwidt | h | Total Power | 29.4 dBm | | |
| | | | 20.4 0.8 | | |
| 9. | 3312 MHz | | | | Detector Peak▶ |
| Transmit Freq Error | 8.403 kHz | % of OBW Powe | r 99.00 % | | Auto <u>Man</u> |
| - | | | | | |
| x dB Bandwidth | 9.979 MHz | x dB | -26.00 dB | | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | | |

Plot 7-50. Occupied Bandwidth Plot (NR Band n30 - 10MHz QPSK - Full RB)



Plot 7-51. Occupied Bandwidth Plot (NR Band n30 - 10MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 46 of 188 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Fage 40 01 100 |
| © 2024 ELEMENT | | · | V11.1 08/28/2023 |



| | ed BW | | | | |
|------------------------------|--------------------|--------------------|---------------------------------|-----------------|-------------------|
| <mark>(X</mark> RLT RF 50Ω A | | SENSE:INT | ALIGN AUTO 10:56:56 Radio St | AM Jun 11, 2024 | Trace/Detector |
| | | Free Run Avg Hold: | | a. None | |
| | #IFGain:Low #Atter | n: 36 dB | Radio De | evice: BTS | |
| | | | | | |
| 10 dB/div Ref 40.00 d | Bm | | | | |
| Log | | | | | |
| 30.0 | | | | | Clear Write |
| 20.0 | | ····· | | | |
| 10.0 | | | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| -20.0 | | | | | |
| -30.0 | | | hanna mar | | |
| -40.0 | ~ | | | marray (from | Max Hold |
| -50.0 | | | | | Maxitolu |
| | | | | | |
| Center 2.310000 GHz | | | | 12.50 MHz | |
| Res BW 120 kHz | V | 'BW 1.2 MHz | SW | veep 1 ms | Min Hold |
| Occupied Bandwi | dth | Total Power | 31.5 dBm | | |
| | | | | | |
| | 4.4842 MHz | | | | Detector Peak► |
| Transmit Freq Error | -1.797 kHz | % of OBW Powe | r 99.00 % | | Auto <u>Man</u> |
| x dB Bandwidth | 4.902 MHz | x dB | -26.00 dB | | |
| | 4.902 MHZ | X dB | -20.00 dB | | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | | |

Plot 7-52. Occupied Bandwidth Plot (NR Band n30 - 5MHz π/2 BPSK - Full RB)



Plot 7-53. Occupied Bandwidth Plot (NR Band n30 - 5MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dega 47 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 47 of 188 |
| © 2024 ELEMENT | | | V11.1 08/28/2023 |



| Keysight Spectrum A | nalyzer - Oco | cupied BW | | | | | | | | | | |
|---------------------|--|---|---------------|-----------|--------------|--------|-------|-------------|-----------------------|----------------|------|-------------------|
| LXIRLT RF | 50 Ω | AC COF | REC | | NSE:INT | | | IGN AUTO | | M Jun 10, 2024 | Trac | e/Detector |
| | | | | | req: 2.31000 | Avg Ho | | 00/100 | Radio Std: | None | | 012000001 |
| | | #IF(| ⊶ Gain:Low | #Atten: 3 | | Avgino | iu. 1 | 100/100 | Radio Dev | ice: BTS | | |
| | | | Jumieow | | | | | | | | | |
| | | | | | | | | | | | | |
| | ef 40.0 | 0 dBm | _ | | | | | | | | | |
| Log | | | | | | | | | | | | |
| 30.0 | | | | | | | | | | | | Clear Write |
| 20.0 | | | | | | | | | | | | |
| 10.0 | | | m | \sim | m | | | | | | | |
| 0.00 | | | | | | | | | | | | |
| | | | 1 | | | | 1 | | | | | _ |
| -10.0 | | | / | | | | + | | | | | Average |
| -20.0 | A have been a feature of the second s | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | | A.M. Webler | - marine and a second | | | |
| -30.0 | | | | | | | | | , w. | men men | | |
| | | | | | | | | | | | | |
| -40.0 | | | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Center 2.31000 | | | | | | | | | | 2.50 MHz | | |
| Res BW 120 k | Hz | | | VB | W 1.2 MI | Z | | | Swe | ep 1 ms | | Min Hold |
| | | | | | | | | | | | | |
| Occupied | Band | width | | | Total P | ower | | 29.0 | dBm | | | |
| | | | 21 MI | - | | | | | | | | Detector |
| | | 4.50 | | 12 | | | | | | | | Detector Peak▶ |
| Transmit F | | | -1.169 | | % of O | | | - 00 | .00 % | | Auto | Man |
| Transmit F | | 0I | -1.1091 | | % OI UI | | ver | 99 | .00 % | | Auto | Man |
| x dB Bandy | width | | 4.901 M | IHz | x dB | | | -26.0 |)0 dB | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| MSG | | | | | | | | STATUS | | | | |
| | | | | | | | _ | | | | | |

Plot 7-54. Occupied Bandwidth Plot (NR Band n30 - 5MHz 16-QAM - Full RB)

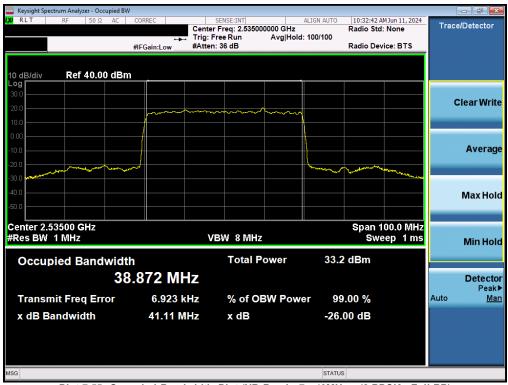
| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 49 of 199 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Page 48 of 188 | | | | |
| © 2024 ELEMENT | • | | V11.1 08/28/2023 | | | |



NR Band n7

| Mode | Bandwidth | Modulation | OBW [MHz] |
|-------|-----------|------------|-----------|
| | | π/2 BPSK | 38.87 |
| | 40MHz | QPSK | 38.81 |
| | | 16QAM | 38.77 |
| | | π/2 BPSK | 28.62 |
| | 30MHz | QPSK | 28.70 |
| | | 16QAM | 28.63 |
| | | π/2 BPSK | 22.97 |
| | 25MHz | QPSK | 23.86 |
| | | 16QAM | 23.94 |
| | | π/2 BPSK | 17.96 |
| NR-n7 | 20MHz | QPSK | 18.25 |
| | | 16QAM | 18.31 |
| | | π/2 BPSK | 13.44 |
| | 15MHz | QPSK | 13.65 |
| | | 16QAM | 13.65 |
| | | π/2 BPSK | 9.00 |
| | 10MHz | QPSK | 8.65 |
| | | 16QAM | 8.62 |
| | | π/2 BPSK | 4.48 |
| | 5MHz | QPSK | 4.50 |
| | | 16QAM | 4.50 |

Table 7-9. Occupied Bandwidth Test Results (NR Band n7)



Plot 7-55. Occupied Bandwidth Plot (NR Band n7 - 40MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|---|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Dega 40 of 199 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 Portable Tablet | | Page 49 of 188 | | | |
| © 2024 ELEMENT | | · | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied I | BW | | | | |
|---|-------------------|--|-----------------------|------------------------|-------------------|
| 🗶 RLT RF 50Ω AC | CORREC | SENSE:INT er Freg: 2.535000000 GHz | | :33:22 AM Jun 11, 2024 | Trace/Detector |
| | Trig: | Free Run Avg Ho | z Rad old: 100/100 | lio Sta: None | |
| | #IFGain:Low #Atte | en: 36 dB | | lio Device: BTS | |
| | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | |
| Log | | | | | |
| 30.0 | | | | | Clear Write |
| 20.0 | | alanda and a second | ~ | | |
| 10.0 | | | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| -20.0 | | | mannesser | - the way and | |
| -30.0 | | | | | |
| -40.0 | | | | | Max Hold |
| -50.0 | | | | | Maxinoid |
| | | | | | |
| Center 2.53500 GHz | | | S | pan 100.0 MHz | |
| #Res BW 1 MHz | | VBW 8 MHz | | Sweep 1 ms | Min Hold |
| Occupied Bandwid | Ith | Total Power | 31.0 dB | m | |
| | | | | | |
| 3 | 8.812 MHz | | | | Detector Peak▶ |
| Transmit Freq Error | -32.434 kHz | % of OBW Por | wer 99.00 | % | Auto <u>Man</u> |
| x dB Bandwidth | 41.09 MHz | x dB | -26.00 c | ID | |
| | 41.03 MHZ | A UB | -20.00 0 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | | |

Plot 7-56. Occupied Bandwidth Plot (NR Band n7 - 40MHz QPSK - Full RB)



Plot 7-57. Occupied Bandwidth Plot (NR Band n7 - 40MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|---|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Dege 50 of 199 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 Portable Tablet | | Page 50 of 188 | | | |
| © 2024 ELEMENT | • | | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied | | | | | |
|---------------------------------------|---|--|------------------------|-----------------------|-------------------|
| LXI RLT RF 50Ω AC | | SENSE:INT er Freg: 2.535000000 GHz | | 88:55 AM Jun 11, 2024 | Trace/Detector |
| | +++ Trig: | Free Run Avg Hold | d: 100/100 | | |
| | #IFGain:Low #Atte | en: 36 dB | Radi | o Device: BTS | |
| | | | | | |
| 10 dB/div Ref 40.00 dE | 8m | | | | |
| Log 30.0 | | | | | |
| 20.0 | | | | | Clear Write |
| 10.0 | m | · ···································· | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| | | | | | Average |
| -20.0 | and a | | and the second second | mannen | |
| -30.0 | | | | | |
| -40.0 | | | | | Max Hold |
| -50.0 | | | | | |
| Center 2.53500 GHz | | | Sp | an 75.00 MHz | |
| Res BW 680 kHz | ۱ <u>ــــــــــــــــــــــــــــــــــــ</u> | VBW 6 MHz | | Sweep 1 ms | Min Hold |
| | | Tetel Deves | 22.4 -10 | | |
| Occupied Bandwic | | Total Power | 33.1 dBı | n | |
| 2 | 28.623 MHz | | | | Detector |
| Transmit Freq Error | -32.622 kHz | % of OBW Pow | ver 99.00 ^o | 0/_ | Peak▶ Auto Man |
| | | | | | Auto |
| x dB Bandwidth | 30.35 MHz | x dB | -26.00 d | B | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | | |

Plot 7-58. Occupied Bandwidth Plot (NR Band n7 - 30MHz π/2 BPSK - Full RB)



Plot 7-59. Occupied Bandwidth Plot (NR Band n7 - 30MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 51 of 188 | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 08/02/2024 Portable Tablet | | | |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 | | |



| Keysight Spectrum Analyzer - Occupied E | | | | | | | |
|---|----------------|----------------------------------|---------------|---|---|-------|---------------|
| LX/RLT RF 50Ω AC | CORREC | SENSE:INT enter Freg: 2.53500 | | IN AUTO 10:40:50 Al Radio Std: | 4 Jun 11, 2024 None | Trace | Detector |
| | T | rig: Free Run | Avg Hold: 100 | 0/100 | | | |
| | #IFGain:Low #/ | Atten: 36 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | | |
| 30.0 | | | | | | | |
| 20.0 | | | | | | С | lear Write |
| 10.0 | Jutimon | ~~~~~~ | remansh | | | | |
| 0.00 | | | l N | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | | | | | | | / tronugo |
| and a second and a second as a second a | | | | and the second se | er an | | |
| -30.0 | | | | | | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | |
| Center 2.53500 GHz | | | · · · · · | Span 7 | 5.00 MHz | | |
| Res BW 680 kHz | | VBW 6 MHz | | | ep 1 ms | | Min Hold |
| | | | | | | | |
| Occupied Bandwid | th | Total P | ower | 30.9 dBm | | | |
| 2 | 8.626 MHz | | | | | | Detector |
| | 45 007 1-11- | 0/ - 5 01 | | 00 00 % | | Auto | Peak▶ Man |
| Transmit Freq Error | -15.967 kHz | | BW Power | 99.00 % | | Auto | <u>iviari</u> |
| x dB Bandwidth | 30.42 MHz | x dB | | -26.00 dB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | | STATUS | | | |

Plot 7-60. Occupied Bandwidth Plot (NR Band n7 - 30MHz 16-QAM - Full RB)



Plot 7-61. Occupied Bandwidth Plot (NR Band n7 - 25MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 52 of 199 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 52 of 188 | | | |
| © 2024 ELEMENT | | • | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied BW | | | | | | | |
|--|------------------|--------------------------------|----------------|------------------------------|----------------|-------|------------|
| LXX RLT RF 50Ω AC CO | RREC | SENSE:INT r Freg: 2.5350000 | | AUTO 10:42:15 A Radio Std | M Jun 11, 2024 | Trace | /Detector |
| | Trig: | Free Run | Avg Hold: 100/ | /100 | | | |
| #IF | Gain:Low #Atter | n: 36 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dBm | | | | | | | |
| Log 30.0 | | | | | | | |
| 20.0 | | | | | | С | lear Write |
| | man the major of | | m | | | | |
| 10.0 | 1 | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | L. | | | | Average |
| -20.0 | | | | | homerany | | |
| -30.0 | | | | | | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | |
| Center 2.53500 GHz | | | | | 2.50 MHz | | |
| Res BW 620 kHz | N N | /BW 6 MHz | | | ep 1 ms | | |
| | | | | | | | Min Hold |
| Occupied Bandwidth | | Total Po | wer | 30.8 dBm | | | |
| 23.9 | 362 MHz | | | | | | Detector |
| 20.0 | | | | | | | Peak► |
| Transmit Freq Error | -5.526 kHz | % of OBV | N Power | 99.00 % | | Auto | <u>Man</u> |
| x dB Bandwidth | 25.31 MHz | x dB | | -26.00 dB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | | STATUS | | | |

Plot 7-62. Occupied Bandwidth Plot (NR Band n7 - 25MHz QPSK - Full RB)



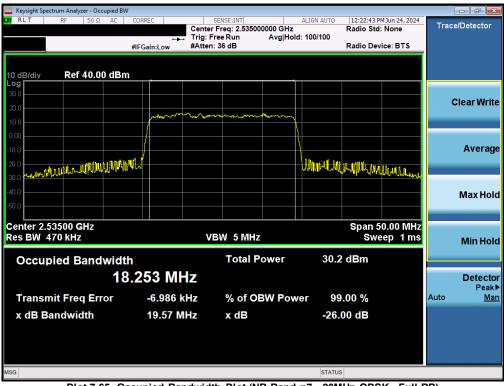
Plot 7-63. Occupied Bandwidth Plot (NR Band n7 - 25MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | |
|---------------------|-------------------------|--|------------------|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 53 of 188 | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 5/10/2024 – 08/02/2024 Portable Tablet | | | |
| © 2024 ELEMENT | | • | V11.1 08/28/2023 | | |



| Keysight Spectrum Analy | | | | | | | | | | | |
|-------------------------|--------|-------|----------|----------|-------------------------------|-----------|------------|-------------------------|---------------------|-------|-----------|
| XIRLT RF | 50 Ω | AC CC | RREC | Cent | SENSE:INT ter Freg: 2.5350 | 00000 GH7 | ALIGN AUTO | 10:44:43 A Radio Std | M Jun 11, 2024 | Trace | /Detector |
| | | | | ++ Trig: | Free Run | | d: 100/100 | Radio Stu | None | | |
| | | #1 | Gain:Low | #Atte | en: 36 dB | | | Radio Dev | ice: BTS | | |
| | | | | | | | | | | | |
| | 40.00 | dBm | | | | | | | | | |
| Log 30.0 | | | | | | | | | | | |
| 20.0 | | | | | | | | | | С | lear Writ |
| | | | ~~~~ | | ~~~~^ | m | | | | | |
| 10.0 | | | 1 | | | | | | | | |
| 0.00 | | | 1 | | | | | | | | |
| -10.0 | | | 1 | | | | | | | | Averag |
| -20.0 | | - | | | | | the second | | | | |
| -30.0 | | | | | | | What have | | han and again the | | |
| -40.0 | | | | | | | | | | | Max Hol |
| -50.0 | | | | | | | | | | | |
| Center 2.53500 C | 31.1- | | | | | | | On on F | 0.00 5411- | | |
| Res BW 470 kHz | | | | | VBW 5 MH | , | | | 0.00 MHz ep 1 ms | | |
| | | | | | | | | | | | Min Hold |
| Occupied E | Bandv | vidth | | | Total F | ower | 32.8 | dBm | | | |
| | | 17 9 |)61 I | ЛНт | | | | | | | Detecto |
| | | | | | | | | | | | Peak |
| Transmit Fre | q Erro | or | -544.7 | 7 kHz | % of O | BW Pov | wer 99 | .00 % | | Auto | <u>Ma</u> |
| x dB Bandwi | dth | | 19.1 | MHz | x dB | | -26. | 00 dB | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| ISG | | | | | | | STATUS | | | | |
| | | | | | | | STATUS | | | | |

Plot 7-64. Occupied Bandwidth Plot (NR Band n7 - 20MHz π/2 BPSK - Full RB)



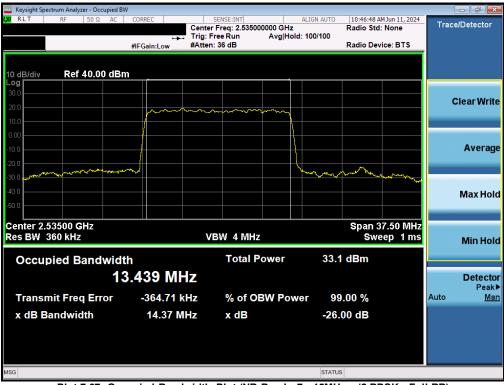
Plot 7-65. Occupied Bandwidth Plot (NR Band n7 - 20MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Daga 54 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 54 of 188 |
| © 2024 ELEMENT | ÷ | • | V11.1 08/28/2023 |



| Odd R L T RF 50 Ω AC CORREC SENSE:INT ALIGN AUTO 12:23:11 PM Jun 24, 2024 Center Freq: 2,535000000 GHz Radio Std: None Trig: Free Run Avg Hold: 100/100 #IFGain:Low #Atten: 36 dB |
|--|
| Trig: Free Run Avg Hold: 100/100 |
| #IFGain:Low #Atten: 36 dB Radio Device: BTS |
| |
| |
| 10 dB/div Ref 40.00 dBm |
| |
| 30.0 Clear Wr |
| |
| |
| |
| -100 Avera |
| |
| 20.0 Jan market and the second |
| |
| -40.0 Max He |
| -50.0 |
| |
| Center 2.53500 GHz Span 50.00 MHz |
| Res BW 470 kHz VBW 5 MHz Sweep 1 ms Min H |
| Occupied Bandwidth Total Power 29.8 dBm |
| o coupied Ballamath |
| 18.308 MHz Detec |
| Transmit Freg Error -19.950 kHz % of OBW Power 99.00 % Auto |
| |
| x dB Bandwidth 19.69 MHz x dB -26.00 dB |
| |
| |
| |
| MSG STATUS |

Plot 7-66. Occupied Bandwidth Plot (NR Band n7 - 20MHz 16-QAM - Full RB)



Plot 7-67. Occupied Bandwidth Plot (NR Band n7 - 15MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 55 of 188 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Fage 55 01 100 |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 |



| 🔤 Keysight Spectrum Analyzer - Occupied B | | | | | | | |
|--|----------------|-----------------------------------|-------------------|--------------------------------|---------|---------|-------------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT enter Freg: 2.535000 | ALIGN AUTO | 01:00:24 PM Ju Radio Std: N | | Trace/D | etector |
| | Tr | rig: Free Run | Avg Hold: 100/100 | | | | |
| | #IFGain:Low #A | Atten: 36 dB | | Radio Device | BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | | |
| Log 30.0 | | | | | | | |
| | | | | | | Cle | ar Write |
| 20.0 | | | when | | | | |
| 10.0 | | | | | | | |
| 0.00 | | | | | | | _ |
| -10.0 | | | | | | - | Average |
| -20.0 | | | | - Alexandra | | | |
| -20.0 -30.0 Minute and a start a s | | | | | marrial | | |
| -40.0 | | | | | | N | ax Hold |
| -50.0 | | | | | | | |
| | | | | | | | |
| Center 2.53500 GHz Res BW 360 kHz | | VBW 4 MHz | | Span 37. | | | |
| Res BW 300 KH2 | | | | Swee | o 1 ms | V | /lin Hold |
| Occupied Bandwid | th | Total Po | ower 29. | 8 dBm | | | |
| | | | | | | - | |
| | 3.654 MHz | | | | | L | Detector Peak▶ |
| Transmit Freq Error | -17.436 kHz | % of OB | W Power 9 | 9.00 % | | Auto | Man |
| x dB Bandwidth | 14.74 MHz | x dB | -26 | .00 dB | | | |
| | 14.74 MINZ | A UD | -20 | .00 08 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | STATU | IS | | | |

Plot 7-68. Occupied Bandwidth Plot (NR Band n7 - 15MHz QPSK - Full RB)



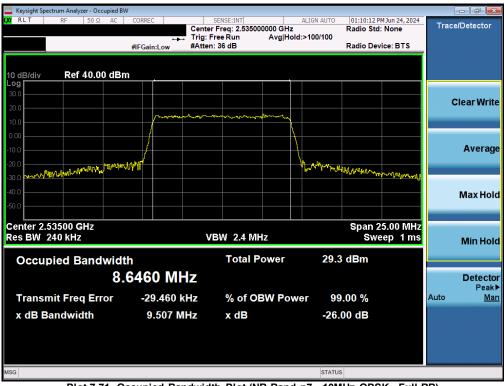
Plot 7-69. Occupied Bandwidth Plot (NR Band n7 - 15MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | tes: EUT Type: | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 56 of 188 |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 |



| 🤤 Keysight Spectrum Analyzer - Occupied | | | | _ | |
|--|---------------|-----------------------------------|-------------------|---|-------------------|
| LXI RLT RF 50Ω AC | | SENSE:INT Center Freg: 2.53500 | ALIGN AUTO | 10:50:48 AM Jun 11, 2024 Radio Std: None | Trace/Detector |
| | T | Trig: Free Run | Avg Hold:>100/100 | | |
| | #IFGain:Low # | #Atten: 36 dB | | Radio Device: BTS | |
| | | | | | |
| 10 dB/div Ref 40.00 d | Bm | | | | |
| Log 30.0 | | | | | |
| 20.0 | دصريكم | | | | Clear Write |
| | | | ~~~ | | |
| 10.0 | | | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| -20.0 | | | | | |
| -30.0 pm man mar | | | | many | |
| -40.0 | | | | | Max Hold |
| -50.0 | وعصالكم | | | | |
| | | | | | |
| Center 2.53500 GHz | | | | Span 25.00 MHz | |
| Res BW 240 kHz | | VBW 2.4 MH | Z | Sweep 1 ms | Min Hold |
| Occupied Bandwi | dth | Total P | ower 32.5 | dBm | |
| | | | | | |
| | 8.9973 MHz | 4 | | | Detector Peak► |
| Transmit Freq Error | -188.58 kHz | z % of OE | 3W Power 99 | 0.00 % | Auto <u>Man</u> |
| x dB Bandwidth | 9.606 MHz | | | 00 dB | |
| | 9.000 MHZ | | -20. | | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | 5 | |

Plot 7-70. Occupied Bandwidth Plot (NR Band n7 - 10MHz π/2 BPSK - Full RB)



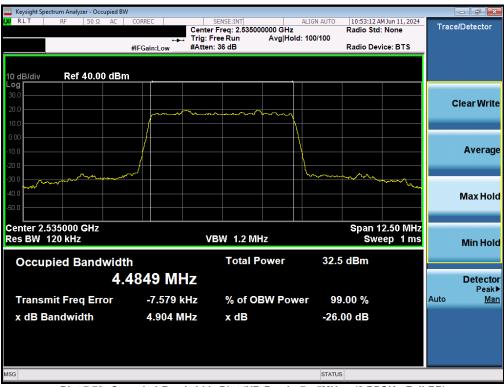
Plot 7-71. Occupied Bandwidth Plot (NR Band n7 - 10MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dege 57 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 57 of 188 |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 |





Plot 7-72. Occupied Bandwidth Plot (NR Band n7 - 10MHz 16-QAM - Full RB)



Plot 7-73. Occupied Bandwidth Plot (NR Band n7 - 5MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 59 of 199 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 58 of 188 |
| © 2024 ELEMENT | | • | V11.1 08/28/2023 |



| Keysight Spectrum Analyzer - Occupied E | BW | | | | | |
|---|-------------|--|--------------------------|----------------------------------|------------------|-------------------|
| 🗶 RLT RF 50Ω AC | CORREC | SENSE:INT | ALIGN / | AUTO 01:43:19 PM Radio Std: 1 | | Trace/Detector |
| | | Frig: Free Run | Avg Hold: 100/1 | | vone | |
| | | Atten: 36 dB | | Radio Devid | e: BTS | |
| | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | |
| Log 30.0 | | | | | | |
| | | | | | | Clear Write |
| 20.0 | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | - Charlow and the second | | | |
| 10.0 | | | | | | |
| 0.00 | | | | | | _ |
| -10.0 | | | | | | Average |
| -20.0 | ~~~ | | | wan | | |
| -30.0 | | | | V ···· | horner have been | |
| -40.0 | | | | | | Max Hold |
| -50.0 | | | | | | maxinora |
| | | | | | | |
| Center 2.535000 GHz | | | | Span 12 | | |
| Res BW 120 kHz | | VBW 1.2 M | 12 | Swee | ep 1 ms | Min Hold |
| Occupied Bandwid | lth | Total P | ower | 29.1 dBm | | |
| | .5040 MHz | | | | | Detector |
| 4 | .5040 10172 | | | | | Detector Peak▶ |
| Transmit Freq Error | -8.987 kH | z % of Ol | BW Power | 99.00 % | | Auto <u>Man</u> |
| x dB Bandwidth | 4.976 MH | z xdB | | -26.00 dB | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| MSG | | | | STATUS | | |
| Mou | | | | STATUS | | |

Plot 7-74. Occupied Bandwidth Plot (NR Band n7 - 5MHz QPSK - Full RB)



Plot 7-75. Occupied Bandwidth Plot (NR Band n7 - 5MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dege 50 of 199 |
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| © 2024 ELEMENT | • | • | V11.1 08/28/2023 |



NR Band n41(PC2)

| Mode | Bandwidth | Modulation | OBW [MHz] |
|-----------|-----------|------------|-----------|
| | | π/2 BPSK | 96.87 |
| | 100MHz | QPSK | 97.89 |
| | | 16QAM | 97.87 |
| | | π/2 BPSK | 87.23 |
| | 90MHz | QPSK | 87.97 |
| | | 16QAM | 88.00 |
| | | π/2 BPSK | 77.70 |
| | 80MHz | QPSK | 77.76 |
| | | 16QAM | 77.98 |
| | | π/2 BPSK | 64.74 |
| | 70MHz | QPSK | 67.44 |
| | | 16QAM | 67.21 |
| | | π/2 BPSK | 64.41 |
| | 60MHz | QPSK | 58.33 |
| | | 16QAM | 58.28 |
| | 50MHz | π/2 BPSK | 46.00 |
| NR-n41PC2 | | QPSK | 47.63 |
| | | 16QAM | 48.03 |
| | | π/2 BPSK | 45.56 |
| | 40MHz | QPSK | 38.03 |
| | | 16QAM | 37.95 |
| | | π/2 BPSK | 26.89 |
| | 30MHz | QPSK | 27.73 |
| | | 16QAM | 28.12 |
| | | π/2 BPSK | 18.00 |
| | 20MHz | QPSK | 18.23 |
| | | 16QAM | 18.24 |
| | | π/2 BPSK | 12.99 |
| | 15MHz | QPSK | 13.58 |
| | | 16QAM | 13.61 |
| | | π/2 BPSK | 8.60 |
| | 10MHz | QPSK | 8.58 |
| | | 16QAM | 8.56 |

Table 7-10. Occupied Bandwidth Test Results (NR Band n41(PC2))

| FCC ID: A3LSMX828U | | Approved by: Technical Manager | |
|---------------------|-------------------------|-----------------------------------|------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 60 of 188 |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 60 01 100 |
| © 2024 ELEMENT | | | V11.1 08/28/2023 |



| Keysight Spectrum Analyzer - Occupied BV | v | | | | | | - d X |
|--|------------------|--------------------------------------|-----------------|-------------------------|--|------|-------------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT ter Freg: 2.593000000 G | ALIGN AUTO | 04:12:43 P Radio Std | M Jul 22, 2024 | Trac | e/Detector |
| | Trig | : Free Run Avg | Hold: 100/100 | | | | |
| | #IFGain:Low #Att | en: 32 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dBn | n | | | | | | |
| Log 30.0 | | | | | | | |
| 20.0 | | | | | | (| Clear Write |
| | June June | | | | | | |
| 10.0 | | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | | | - have been the | man | have an eres | _ | |
| -30.0 | | | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | muxitora |
| | | | | | | | |
| Center 2.5930 GHz | | | | Span 2 | 50.0 MHz | | |
| Res BW 2.4 MHz | | #VBW 8 MHz | | SWe | ep 1 ms | | Min Hold |
| Occupied Bandwidt | h | Total Powe | r 33.0 |) dBm | | | |
| | | | | | | | |
| 90 | 6.870 MHz | | | | | | Detector Peak▶ |
| Transmit Freq Error | -627.39 kHz | % of OBW F | ower 99 | 0.00 % | | Auto | Man |
| x dB Bandwidth | 102.4 MHz | x dB | -26. | 00 dB | | | |
| | | | | 00 41 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | STATU | S | | | |

Plot 7-76. Occupied Bandwidth Plot (NR Band n41 - 100MHz π/2 BPSK - Full RB)



Plot 7-77. Occupied Bandwidth Plot (NR Band n41 - 100MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | |
|---------------------|-------------------------|----------------------------|-----------------------------------|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 61 of 188 | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | | |
| © 2024 ELEMENT | | · | V11.1 08/28/2023 | |



| 🤤 Keysight Spectrum Analyzer - Occup | ied BW | | | | | | | | |
|--------------------------------------|--------------|--|--------------------------------------|----------------------|-------------|--------------------|-----------------------|------|-------------------|
| Ι<u>ΧΙ</u> RLT RF 50Ω | AC CORREC | | ENSE:INT Freq: 2.59300 ree Run | 0000 GHz Avg Hold | ALIGN AUTO | 04:18:23 P | MJun 24, 2024 None | Trac | e/Detector |
| | #IFGain:L | | | | | Radio Dev | ice: BTS | | |
| 10 dB/div Ref 40.00 | dBm | | | | | | | | |
| Log 30.0 20.0 | | | | | | | | | Clear Write |
| 10.0 | pm | and the second sec | und and the second | materia handle | | | | | |
| 0.00 | | | | | | | | | |
| | | | | | | | | | Average |
| -10.0 -20.0 | in the water | | | | . An Martin | man and the second | mununun | | |
| -30.0 -30.0 | | | | | | | | | |
| -40.0 | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | Mux.ioia |
| Center 2.5930 GHz | | | | | | Snan 2 | 50.0 MHz | | |
| Res BW 2.4 MHz | | #V | /BW/8MH | Z | | | ep 1 ms | | Min Hold |
| Occupied Bandw | vidth | | Total P | ower | 33.3 | dBm | | | |
| | 97.867 | MHz | | | | | | | Detector Peak▶ |
| Transmit Freq Erro | r -108 | .54 kHz | % of O | BW Pow | er 99 | .00 % | | Auto | Man |
| x dB Bandwidth | 117 | 7.4 MHz | x dB | | -26. | 00 dB | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| MSG | | | | | STATUS | | | | |

Plot 7-78. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB)



Plot 7-79. Occupied Bandwidth Plot (NR Band n41 - 90MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | | |
|---------------------|--|----------------------------|------------------|--|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 62 of 188 | | | | |
| 1M2405140039-04.A3L | 405140039-04.A3L 06/10/2024 – 08/02/2024 Portable Tablet | | | | | | |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 | | | | |



| 🔤 Keysight Spectrum Analyzer - Occu | upied BW | | | | | | | | | |
|-------------------------------------|------------|-----------|--------------|-------------------------|-------------------------|------------|---|------------------|------|--------------|
| LXI RLT RF 50Ω | AC COR | REC | | NSE:INT req: 2.59302 | 0000 GHz | ALIGN AUTO | 05:40:59 P | M Jun 24, 2024 | Trac | e/Detector |
| | | •• | . Trig: Free | e Run | Avg Hold | i: 100/100 | | | | |
| | #IFC | Gain:Low | #Atten: 3 | 0 dB | | | Radio Dev | ice: BTS | | |
| | | | | | | | | | | |
| 10 dB/div Ref 40.00 | dBm | | | | | | | | | |
| 30.0 | | | | | | | | | | |
| 20.0 | | | Min manhhair | Autor Martin | and the set of the | | | | | Clear Write |
| 10.0 | | | | | a state of the state of | × | | | | |
| 0.00 | | | | | | | | | | |
| | | | | | | | | | | Average |
| -20.0 | Mare-wards | | | | | WANDAR | [╊] ϓ ^ϲ ┩ᡀᡗᢔᢀ _{ᡫᡰᠰᠶᡄ៷} | A Bally marks on | | Average |
| -30.0 | | | | | | | | 100 | | |
| | | | | | | | | | | |
| -40.0 | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | _ | _ |
| Center 2.5930 GHz | | | | | | | Span 2 | 25.0 MHz | | |
| Res BW 2.2 MHz | | | #VE | BW 8 MH | z | | | ep 1 ms | | Min Hold |
| | | | | Tetel D | | 22.4 | d Due | | | |
| Occupied Bandy | | | | Total P | ower | 33.4 | dBm | | | |
| | 87.9 | 65 MI | IZ | | | | | | | Detector |
| Transmit Freq Erro | 0.5 | -145.19 k | | % of O | 3W Pow | or 00 | .00 % | | Auto | Peak▶ Man |
| | | | | | | | | | Auto | man |
| x dB Bandwidth | | 93.20 M | IHz | x dB | | -26. | 00 dB | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| MSG | | | | | | STATUS | | | | |

Plot 7-80. Occupied Bandwidth Plot (NR Band n41 - 90MHz QPSK - Full RB)



Plot 7-81. Occupied Bandwidth Plot (NR Band n41 - 90MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 63 of 188 | | | |
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| © 2024 ELEMENT | | | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied B | | | | | | _ | |
|---|-------------|-----------------------------------|------------------|-------------------------------|------------------------|--------|------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT Center Freg: 2.59302 | ALIGN AL | UTO 04:32:08 Pf Radio Std: | 1 Jul 22, 2024 None | Tracel | Detector |
| | - - | Trig: Free Run #Atten: 32 dB | Avg Hold: 100/10 | 00 | | | |
| | #IFGain:Low | #Atten: 32 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dBi | m | | | | | | |
| 30.0 | | | | | | | |
| 20.0 | | | howene | | | CI | ear Write |
| 10.0 | | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | المرسمو | | ` | - Andrew Mark | | _ | |
| -30.0 | | | | | - march | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | wax noru |
| | | | | | | | |
| Center 2.5930 GHz Res BW 1.8 MHz | | | - | | 00.0 MHz | | |
| Res DW 1.8 WITZ | | #VBW 6 MH | 2 | Swe | ep 1 ms | | Min Hold |
| Occupied Bandwid | th | Total P | ower 3 | 35.0 dBm | | | |
| | 7.704 MH | 7 | | | | | Detector |
| | | 2 | | | | | Peak► |
| Transmit Freq Error | -221.27 kl | Iz % of O | BW Power | 99.00 % | | Auto | <u>Man</u> |
| x dB Bandwidth | 81.75 MF | lz x dB | - | 26.00 dB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | S | TATUS | | | |

Plot 7-82. Occupied Bandwidth Plot (NR Band n41 - 80MHz π/2 BPSK - Full RB)



Plot 7-83. Occupied Bandwidth Plot (NR Band n41 - 80MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | | |
|---------------------|---|----------------------------|------------------|--|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 64 of 188 | | | | |
| 1M2405140039-04.A3L | 1M2405140039-04.A3L 06/10/2024 – 08/02/2024 Portable Tablet | | | | | | |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 | | | | |



| Keysight Spectrum Analyzer - Occi | upied BW | | | | | | | | | |
|-------------------------------------|-------------|--------------------|--|-------------------------|------------------|-------------------|--------------|----------------------|------|-------------------|
| (X) RLT RF 50Ω | AC COR | REC | | NSE:INT reg: 2.59302 | 0000 GHz | ALIGN AUTO | 07:25:14 P | M Jun 24, 2024 | Trac | e/Detector |
| | | · | Trig: Free | e Run | Avg Hold | i: 100/100 | | | | |
| | #IFC | Gain:Low | #Atten: 3 | 32 dB | | | Radio Dev | ice: BTS | | |
| | | | | | | | | | | |
| 10 dB/div Ref 40.00 | dBm | | | | | | | | | |
| Log 30.0 | | | | | | | | | | |
| 20.0 | | | | | | | | | | Clear Write |
| | | -northerstopperty. | And the second s | nton the second | Mar Marin Marina | | | | | |
| 10.0 | | | | | | | | | | |
| 0.00 | | | | | | | | | | |
| -10.0 | IL MANNA HA | | | | | Aminantin of Mill | 4Uupmarkan | | | Average |
| Wert man and a start | | | | | | | AND IN THE | water and the second | | |
| -30.0 | | | | | | | | | | |
| -40.0 | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | | |
| | | | | | | | - A A | 00 0 BALL | | |
| Center 2.5930 GHz Res BW 1.8 MHz | | | #\/B | SW 6 MH | - | | | 00.0 MHz ep 1 ms | | |
| Res bw 1.6 Winz | | | #** | | 2 | | SWC | ep ma | | Min Hold |
| Occupied Bandy | width | | | Total P | ower | 33.0 | dBm | | | |
| | | 80 MI | 1-2 | | | | | | | Detector |
| | 11.5 | | 12 | | | | | | | Detector Peak▶ |
| Transmit Freq Err | or - | 69.894 k | kHz | % of O | 3W Pow | er 99 | .00 % | | Auto | Man |
| x dB Bandwidth | | 82.06 M | IHz | x dB | | -26 | 00 dB | | | |
| | | 02.00 1 | 11 12 | A UB | | -201 | 00 uB | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| MSG | | | | | | STATUS | | | | |

Plot 7-84. Occupied Bandwidth Plot (NR Band n41 - 80MHz 16-QAM - Full RB)



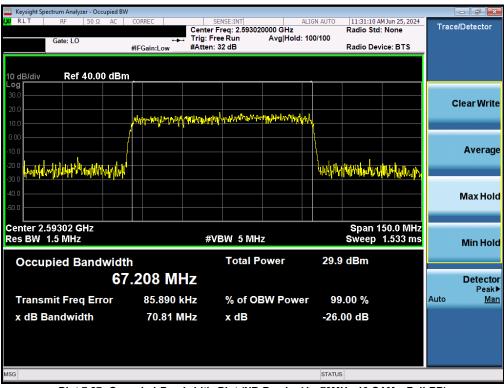
Plot 7-85. Occupied Bandwidth Plot (NR Band n41 - 70MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | |
|---------------------|-------------------------|----------------------------|-----------------------------------|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 65 of 188 | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | | |
| © 2024 ELEMENT | | · | V11.1 08/28/2023 | |



| Keysight Spectrum Analyzer - Occupied B\ | N | | | | | [| |
|---|---------------------|--|--------------------------|----------------|----------------|-------|------------|
| LX RLT RF 50Ω AC | CORREC | SENSE:INT | | | M Jun 25, 2024 | Trace | /Detector |
| | | Center Freq: 2.59302 Trig: Free Run | 0000 GHz Avg Hold: 10 | Radio Std | : None | mact | |
| Gate: LO | #IFGain:Low | #Atten: 32 dB | Avginoid. 10 | Radio Dev | vice: BTS | | |
| | In Guilleow | | | | | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dBr | n | | | | | | |
| Log | | | | | | | |
| 30.0 | | | | | | | lear Write |
| 20.0 | | | | | | | iear write |
| 10.0 | Manua Manua Antonia | nd hangetan everyterator | Appletone and upply | | | | |
| | | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | <u> </u> | | | | | | Average |
| -20.0 - R Late - La - John Hantat Widthin - | | | | | | | |
| | | | | under halt and | What we when | | |
| 30.0 | | | | | | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | |
| | | | | | | | |
| Center 2.59302 GHz | | | | Span 1 | 50.0 MHz | | |
| Res BW 1.5 MHz | | #VBW 5 MH | z | | 1.533 ms | | Min Hold |
| | | | | | | | ΜΙΠΗΟΙά |
| Occupied Bandwidt | h | Total P | ower | 30.0 dBm | | | |
| | | | | | | | |
| 67 | 7.442 MH | Z | | | | | Detector |
| | | | | | | | Peak► |
| Transmit Freq Error | -24.216 kl | Iz % of OE | 3W Power | 99.00 % | | Auto | <u>Man</u> |
| x dB Bandwidth | 70.84 MI | lz xdB | | -26.00 dB | | | |
| | 70.04 IVI | | | -20.00 UB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | | STATUS | | | |

Plot 7-86. Occupied Bandwidth Plot (NR Band n41 - 70MHz QPSK - Full RB)



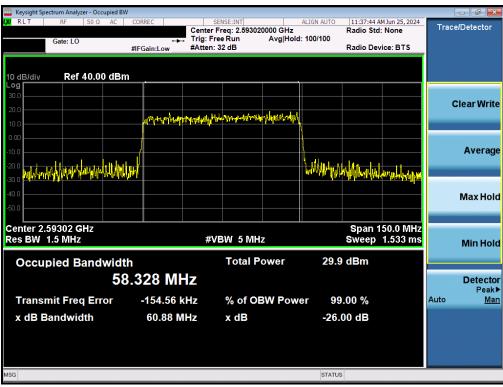
Plot 7-87. Occupied Bandwidth Plot (NR Band n41 - 70MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | | |
|---------------------|--|----------------------------|------------------|--|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 66 of 188 | | | | |
| 1M2405140039-04.A3L | 12405140039-04.A3L 06/10/2024 – 08/02/2024 Portable Tablet | | | | | | |
| © 2024 ELEMENT | | • | V11.1 08/28/2023 | | | | |



| Keysight Spectrum Analyzer - Occupied 8 | BW | | | | | |
|---|-------------|-----------------------------------|-------------------|------------------------------|----------|--------------------------|
| 🗶 RLT RF 50Ω AC | CORREC | SENSE:INT Center Freg: 2.59302 | ALIGN AUTO | 04:33:21 PMJ Radio Std: N | | Trace/Detector |
| | | Trig: Free Run | Avg Hold:>100/100 | | | |
| | #IFGain:Low | #Atten: 32 dB | | Radio Device | e: BTS | |
| | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | |
| Log 30.0 | | | | | | |
| 20.0 | و و و و و و | | | | | Clear Write |
| 10.0 | | and a sub- an artige set and | - | | | |
| 0.00 | | | | | | |
| -10.0 | <u> </u> | | | | | Average |
| | | | | | | Average |
| -20.0 water marked the many second | | | The statement | www. | whenenen | |
| -30.0 | | | | | | |
| -40.0 | | | | | | Max Hold |
| -50.0 | | | | | | |
| Center 2.59302 GHz | | | | Span 150 | 0.0 MHz | |
| Res BW 1.5 MHz | | #VBW 5 MH | z | | p 1 ms | Min Hold |
| | | T - 4 - 1 D | | - 18 - | | |
| Occupied Bandwid | | Total P | ower 34. | 3 dBm | | |
| 6 | 4.410 MH | Z | | | | Detector |
| Transmit Freq Error | -1.6508 MH | z % of O | BW Power 99 | 9.00 % | | Peak▶ Auto <u>Man</u> |
| x dB Bandwidth | 67.98 MH | lz x dB | -26 | .00 dB | | |
| | 01.50-111 | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | _ | | |
| MSG | | | STATU | S | | |

Plot 7-88. Occupied Bandwidth Plot (NR Band n41 - 60MHz π/2 BPSK - Full RB)



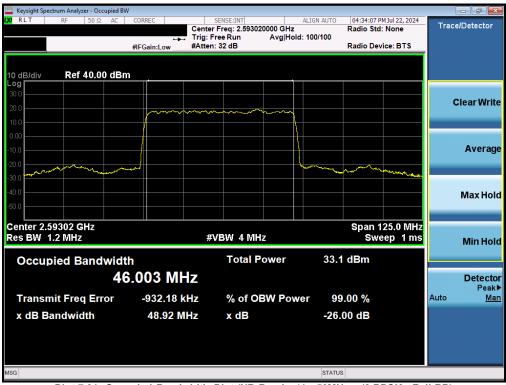
Plot 7-89. Occupied Bandwidth Plot (NR Band n41 - 60MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|--------------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 67 of 188 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 4 – 08/02/2024 Portable Tablet | | | | |
| © 2024 ELEMENT | • | | V11.1 08/28/2023 | | | |



| | trum Analyzer - Oco | upied BW | | | | | | | | | |
|--------------------------------|---------------------|--|-------------|---|---------------------------|----------------------|------------|------------|----------------|------|-------------|
| LXI RLT | RF 50 Ω | AC COF | REC | | NSE:INT | | ALIGN AUTO | | M Jun 25, 2024 | Trac | e/Detector |
| | | | | | req: 2.59302 | 0000 GHz Avg Hold | - 400/400 | Radio Std | : None | inac | CIDetector |
| | Gate: LO | #IF(| Gain:Low | #Atten: 3 | | Avginoid | . 100/100 | Radio Dev | ice: BTS | | |
| | | un v | Jumeow | | | | | | | | |
| | | | | | | | | | | | |
| 10 dB/div | Ref 40.0 | 0 dBm | | | | | | | | | |
| Log | | | | | | | | | | | |
| 30.0 | | | | | | | | | | | Clear Write |
| 20.0 | | | | | | | | | | | Clear write |
| 10.0 | | | Mar Milling | all gul gran have been been been been been been been be | r)yym ^l wraidd | h ymr hytryw | | | | | |
| | | | | | | | | | | | |
| 0.00 | | | | | | | | | | | |
| -10.0 | | { | | | | | | | | | Average |
| -20.0 | Hand turn | | | | | | 1 all here | 11 m | | | |
| -30.0 My¹1/W | | a na hara na h | | | | | Manalahita | Man Market | K West and and | | |
| 30.0 | | | | | | | | | s.r. prepar | | |
| -40.0 | | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | | | |
| | | | | | | | | | | | |
| Center 2.5 | 9302 GHz | | | | | | | Span 1 | 50.0 MHz | | |
| Res BW 1. | .5 MHz | | | #VE | SW 5 MH | z | | | 1.533 ms | | Min Hold |
| | | | | | | | | | | | MITHOU |
| Occup | ied Band | width | | | Total P | ower | 29.8 | dBm | | | |
| Coccup | lea Balla | | | | | | | | | | |
| | | 58.2 | 82 MI | Z | | | | | | | Detector |
| | | | | | | | | | | | Peak► |
| Transm | nit Freq Err | or · | 156.35 | (Hz | % of OE | SW Pow | er 99 | .00 % | | Auto | <u>Man</u> |
| x dB Ba | andwidth | | 60.88 M | Hz | x dB | | -26 | 00 dB | | | |
| | mawiatin | | 00.00 1 | 11 12 | A UD | | -201 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| MSG | | | | | | | STATUS | | | | |

Plot 7-90. Occupied Bandwidth Plot (NR Band n41 - 60MHz 16-QAM - Full RB)



Plot 7-91. Occupied Bandwidth Plot (NR Band n41 - 50MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|-------------------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 68 of 188 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 0/2024 – 08/02/2024 Portable Tablet | | | | |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occu | | | | | | [| |
|-----------------------------------|--------------|-----------------------------------|---|--|-------------------|-------|--------------|
| LXIRLT RF 50Ω | AC CORREC | SENSE:INT Center Freg: 2.59302 | ALIGN AUTO | 12:06:41 PM Radio Std: | Jun 25, 2024 | Trace | /Detector |
| Gate: LO | | | Avg Hold: 100/100 | Radio Sta: | None | | |
| Gate: LO | #IFGain:Low | #Atten: 32 dB | | Radio Devi | ce: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 | dBm | | | | | | |
| Log | | | | | | | |
| 30.0 | | | | | | | |
| 20.0 | | | | | | c | lear Write |
| 10.0 | A MANNA MIN | u/Mysty an article + Utry and an | All And | | | | |
| | | | N | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | 111 Adv 41/ | | | ar dar d | 1 | | |
| -30.0 44/ha/4/ha/4/h/ha/h4/h | n ju viya sy | | Walking aver | united and the state of the sta | Why Way & La | | |
| -40.0 | | | | | - 1 0 - 10 | | |
| | | | | | | | Max Hold |
| -50.0 | | | | | | _ | |
| Center 2.59302 GHz | | | | Span 12 | 25.0 MHz | | |
| Res BW 1.2 MHz | | #VBW 4 MH | 7 | Sweep 1 | | | |
| | | #VDVV 4 10111 | - | Oweep | 1.201 1113 | | Min Hold |
| Occupied Bandy | width | Total P | ower 29.0 |) dBm | | | |
| Cooupled Ballar | | | | | | | |
| | 47.628 MF | 1Z | | | | | Detector |
| Transmit Frag Err | or 70/107 k | | 3W Power 99 | 0.00 % | | Auto | Peak▶ Man |
| Transmit Freq Erro | or -78.427 k | | SW Power 99 | 0.00 % | | Auto | IVIAII |
| x dB Bandwidth | 50.26 M | Hz xdB | -26. | 00 dB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | STATUS | 5 | | | |

Plot 7-92. Occupied Bandwidth Plot (NR Band n41 - 50MHz QPSK - Full RB)



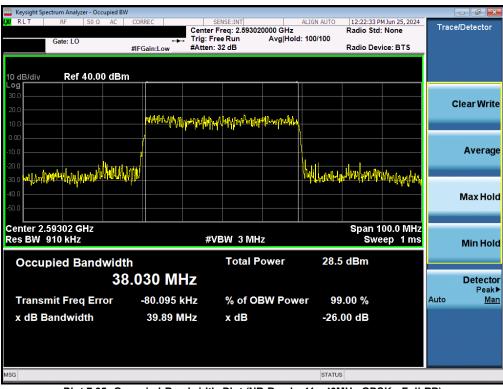
Plot 7-93. Occupied Bandwidth Plot (NR Band n41 - 50MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|--------------------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 69 of 188 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 10/2024 – 08/02/2024 Portable Tablet | | | | |
| © 2024 ELEMENT | • | | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied BV | N | | | | | | | |
|--|-------------|-----------------------------------|-----------------|----------|--------------|----------------|------|-------------|
| LXIRLT RF 50Ω AC | CORREC | SENSE:INT Center Freq: 2.59302 | | IGN AUTO | 04:34:25 P | M Jul 22, 2024 | Trac | e/Detector |
| | • | Trig: Free Run | Avg Hold: 10 | 00/100 | | | | |
| | #IFGain:Low | #Atten: 32 dB | | | Radio Dev | ice: BTS | | |
| | | | | | | | | |
| 10 dB/div Ref 40.00 dBn | ņ | | | | | | | |
| 30.0 | | | | | | | | |
| 20.0 | | | | | | | (| Clear Write |
| 10.0 | | an an an article and the | - marily marine | | | | | |
| 0.00 | | | | | | | | |
| -10.0 | | | | | | | | Average |
| | | | | | | | | Average |
| -20.0 promonent and | | | | harrow | we we wanted | mon | | |
| -30.0 | | | | | | | | |
| -40.0 | | | | | | | | Max Hold |
| -50.0 | | | | | | | | |
| Center 2.59302 GHz | | | | | Span 1 | 00.0 MHz | | |
| Res BW 910 kHz | | #VBW 3 MH | z | | | ep 1 ms | | Min Hold |
| | | | | | | | | Mintriora |
| Occupied Bandwidt | h | Total P | ower | 34.1 | dBm | | | |
| 45 | 5.556 MH | Z | | | | | | Detector |
| | | | | | | | | Peak► |
| Transmit Freq Error | -921.40 kl | Iz % of OE | BW Power | 99. | .00 % | | Auto | <u>Man</u> |
| x dB Bandwidth | 48.19 MH | lz xdB | | -26.0 | 00 dB | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| MSG | | | | STATUS | | | | |

Plot 7-94. Occupied Bandwidth Plot (NR Band n41 - 40MHz π/2 BPSK - Full RB)



Plot 7-95. Occupied Bandwidth Plot (NR Band n41 - 40MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | |
|---------------------|-------------------------|----------------------------|-----------------------------------|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 70 of 188 | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | 08/02/2024 Portable Tablet | | | |
| © 2024 ELEMENT | • | · | V11.1 08/28/2023 | | |



| 🔤 Keysight Spectrum Analyzer - Occ | | | | | | | | | | |
|------------------------------------|---------|----------|--|-------------------------|--------------|--------------|------------|----------------|------|-------------------|
| LXIRLT RF 50Ω | AC CORF | KEC | | NSE:INT reg: 2.59302 | 0000 GHz | ALIGN AUTO | 12:22:56 P | M Jun 25, 2024 | Trac | e/Detector |
| Gate: LO | | · • | . Trig: Free | e Run | | d: 100/100 | Radio Stu | None | | |
| | #IFG | ain:Low | #Atten: 3 | 2 dB | | | Radio Dev | ice: BTS | | |
| | | | | | | | | | | |
| 10 dB/div Ref 40.00 | 0 dBm | | | | | | | | | |
| Log | | | | | | | | | | |
| 30.0 | | | | | | | | | | Clear Write |
| 20.0 | | n.k.11 | ر میلی مال | | 0 L | | | | | |
| 10.0 | | | an the state of th | l-mpanty A | are writered | | | | | |
| 0.00 | | | | | | | | | | |
| -10.0 | | | | | | | | | | Average |
| -20.0 | | | | | | | | | | |
| 30.0 Julin of Wally MA | MANN | | | | | V hold plate | Marylingh | Marshan Julya | | |
| ALCONTRACTORY OF | | | | | | | | Loth & A. de | | |
| -40.0 | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | | _ |
| Center 2.59302 GHz | | | | | | | Enon 1 | 00.0 MHz | | |
| Res BW 910 kHz | | | #VE | зки з мн | 7 | | | ep 1 ms | | |
| NCS BW STORIZ | | | | 599 - 5 IVIII | 2 | | - On the | ep me | | Min Hold |
| Occupied Band | width | | | Total P | ower | 28.5 | dBm | | | |
| | | 50 MI | 1 | | | | | | | Detector |
| | 37.3 | 52 MF | 12 | | | | | | | Detector Peak► |
| Transmit Freq Err | or - | 167.14 k | kHz | % of O | 3W Pow | ver 99 | .00 % | | Auto | Man |
| x dB Bandwidth | | 39.82 M | IHz | x dB | | -26. | 00 dB | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| MSG | | | | | | STATUS | | | | |

Plot 7-96. Occupied Bandwidth Plot (NR Band n41 - 40MHz 16-QAM - Full RB)



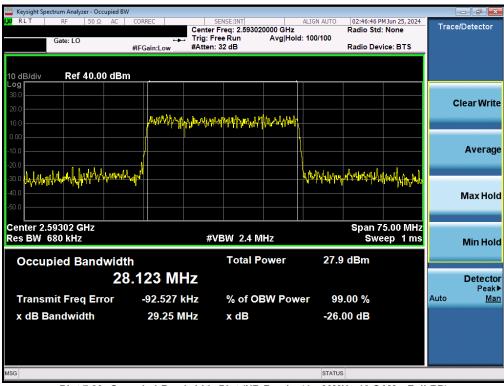
Plot 7-97. Occupied Bandwidth Plot (NR Band n41 - 30MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Dega 71 of 199 | | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | Portable Tablet | Page 71 of 188 | | | |
| © 2024 ELEMENT | | | V11.1 08/28/2023 | | | |



| Keysight Spectrum Analyzer - Occupied E | 3W | | | | | _ 6 X |
|---|------------------|--|---|----------------|--------|--------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT | | M Jun 25, 2024 | Trace | Detector |
| | | r Freq: 2.593020000 GHz Free Run Avg Hold | Radio Std I: 100/100 | : None | 110.00 | Dottootor |
| Gate: LO | | n: 32 dB | Radio Dev | vice: BTS | | |
| | | | | | | |
| | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | |
| Log 30.0 | | | | | | |
| | | | | | с | ear Write |
| 20.0 | | | | | - | |
| 10.0 | malangenterstand | The start of the s | | | | |
| 0.00 | | | | | _ | |
| -10.0 | r I | | | | | Average |
| | | | | | | Average |
| -20.0 | | | La | 1.1.1 | | |
| -30.0 Doughwork March Will March 1914 | Mada | | WWWWWWWWWWWW | | | |
| -40.0 | | | | hud y w | | |
| | | | | | | Max Hold |
| -50.0 | | | | | _ | _ |
| Center 2.59302 GHz | | | Enan 7 | 5.00 MHz | | |
| Res BW 680 kHz | # | VBW 2.4 MHz | | ep 1 ms | | |
| Res But 080 KHz | " | | 340 | sep mis | | Min Hold |
| Occupied Rendwid | th | Total Power | 27.7 dBm | | | |
| Occupied Bandwid | | roturi ower | Ern dom | | | |
| 2 | 7.727 MHz | | | | | Detector |
| | | | | | | Peak▶ |
| Transmit Freq Error | -197.82 kHz | % of OBW Pow | er 99.00 % | | Auto | <u>Man</u> |
| x dB Bandwidth | 29.33 MHz | x dB | -26.00 dB | | | |
| | 29.33 WITZ | Xub | -20.00 UB | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 100 | | | OTATIO | | | |
| MSG | | | STATUS | | | |

Plot 7-98. Occupied Bandwidth Plot (NR Band n41 - 30MHz QPSK - Full RB)



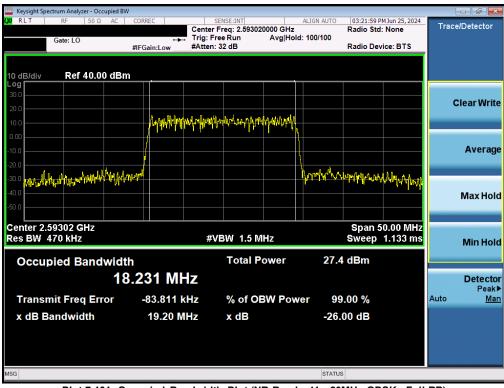
Plot 7-99. Occupied Bandwidth Plot (NR Band n41 - 30MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | | | |
|---------------------|-------------------------|----------------------------|------------------|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | Page 72 of 188 | | |
| 1M2405140039-04.A3L | 06/10/2024 - 08/02/2024 | | | | |
| © 2024 ELEMENT | • | • | V11.1 08/28/2023 | | |



| 🧫 Keysight Spectrum Analyzer - Occupied E | 3W . | | | | | - | |
|---|--|------------------------------------|-----------------|---------------------------|----------------|-------|-------------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT ter Freg: 2.593020000 | ALIGN AUTO | 04:35:59 PI Radio Std: | 1 Jul 22, 2024 | Trace | e/Detector |
| | Trig | : Free Run Av | g Hold:>100/100 | | | | |
| | #IFGain:Low #Att | en: 32 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | | | |
| Log 30.0 | | | | | | | |
| 20.0 | | | | | | (| Clear Write |
| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | \sim | | | | |
| 10.0 | | | | | | | |
| 0.00 | | | | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | | | | | | | |
| -30.0 | www. | | how | market warder | mon Anna | | |
| -40.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | Muxinera |
| | | | | | | | |
| Center 2.59302 GHz | | | | | 0.00 MHz | | |
| Res BW 470 kHz | | #VBW 1.5 MHz | | SWe | ep 1 ms | | Min Hold |
| Occupied Bandwid | Ith | Total Powe | er 32.1 | dBm | | | |
| | | | | | | | |
| | 7.995 MHz | | | | | | Detector Peak▶ |
| Transmit Freq Error | -202.58 kHz | % of OBW | Power 99 | .00 % | | Auto | Man |
| x dB Bandwidth | 19.17 MHz | x dB | -26 | 00 dB | | | |
| | 13.11 1112 | A GB | 20. | oo uB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | STATU | 5 | | | |

Plot 7-100. Occupied Bandwidth Plot (NR Band n41 - 20MHz π/2 BPSK - Full RB)



Plot 7-101. Occupied Bandwidth Plot (NR Band n41 - 20MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | | |
|---------------------|-------------------------|----------------------------|-----------------------------------|--|--|--|
| Test Report S/N: | Test Dates: | EUT Type: | | | | |
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| Keysight Spectrum Analyzer - Occupied I | BW | | | | |
|---|---|--|-------------------------|---------------------|-----------------|
| LXI RLT RF 50Ω AC | CORREC | SENSE:INT | | M Jun 25, 2024 | Trace/Detector |
| | | r Freq: 2.593020000 GHz Free Run Avg Hold | Radio Std d: 100/100 | : None | 1100012000001 |
| Gate: LO | | n: 32 dB | Radio Dev | vice: BTS | |
| | an ounicon | | | | |
| | | | | | |
| 10 dB/div Ref 40.00 dB | m | | | | |
| Log 30.0 | | | | | |
| | | | | | Clear Write |
| 20.0 | | | | | |
| 10.0 | ~ <u>^</u> //////////////////////////////////// | ∿┉╢╫┉╜ᠰ┉╟╖が┉╢╢ | | | |
| 0.00 | | | | | |
| -10.0 | | | | | Average |
| | | | 1 | | Average |
| -20.0 | | | Vetakilia | | |
| | A ruper | | | whether whether the | |
| -40.0 | | | | | Maxilald |
| | | | | | Max Hold |
| -50.0 | | | | | |
| Center 2.59302 GHz | | | Snan 5 | 0.00 MHz | |
| Res BW 470 kHz | # | VBW 1.5 MHz | | 1.133 ms | |
| Res But 470 Kitz | " | | Gweep | 1.1551115 | Min Hold |
| Occupied Bandwid | Ith | Total Power | 27.5 dBm | | |
| | | | 21.5 0.011 | | |
| 1 | 8.244 MHz | | | | Detector |
| | | | | | Peak► |
| Transmit Freq Error | -98.338 kHz | % of OBW Pow | er 99.00 % | | Auto <u>Man</u> |
| x dB Bandwidth | 19.25 MHz | x dB | -26.00 dB | | |
| | 19.2J WITZ | X UD | -20.00 UB | | |
| | | | | | |
| | | | | | |
| | | | | | |
| MSG | | | STATUS | | |
| woo | | | 514105 | | |

Plot 7-102. Occupied Bandwidth Plot (NR Band n41 - 20MHz 16-QAM - Full RB)



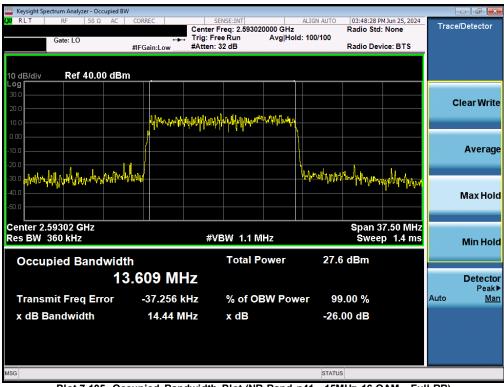
Plot 7-103. Occupied Bandwidth Plot (NR Band n41 - 15MHz π/2 BPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | | |
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| Keysight Spectrum Analyzer - Occupied BW | | | | | | | |
|---|-------------------------|-----------------------------------|---------------|-------------------------|----------------|------|---------------------|
| LXX RLT RF 50Ω AC CORR | | SENSE:INT Freq: 2.593020000 GH | ALIGN AUTO | 03:47:45 P Radio Std | M Jun 25, 2024 | Trac | e/Detector |
| Gate: LO | Trig: F | ree Run Avg l | lold: 100/100 | | | | |
| #IFG: | ain:Low #Atten | : 32 dB | | Radio Dev | ice: BTS | | |
| | | | | | | | |
| 10 dB/div Ref 40.00 dBm Log | | | - | | | | |
| 30.0 | | | | | | | |
| 20.0 | | | | | | (| Clear Write |
| 10.0 | When the Martin and the | der maderic hall berry | ha l | | | | |
| 0.00 | The state first | n · · · · | · \ | | | | |
| -10.0 | | | | | | | Average |
| -20.0 | | | | | | | |
| 30.0 matt day of the Welmberton Marsh Marsh | | | Wandput May | adolate la | dat. | | |
| -40.0 | | | | a h have by | Marta Marta | | |
| -50.0 | | | | | | | Max Hold |
| -50.0 | | | | | | | |
| Center 2.59302 GHz | | | | | 7.50 MHz | | |
| Res BW 360 kHz | #\ | VBW 1.1 MHz | | Swee | p 1.4 ms | | Min Hold |
| Occupied Rendwidth | | Total Power | 27 9 | 3 dBm | | | |
| Occupied Bandwidth | | | 21.0 | , abiii | | | |
| 13.58 | 30 MHz | | | | | | Detector |
| Transmit Freq Error 🛛 🗧 | 39.206 kHz | % of OBW Po | ower 99 | .00 % | | Auto | Peak▶ <u>Man</u> |
| x dB Bandwidth | 14.35 MHz | x dB | -26. | 00 dB | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MSG | | | STATUS | 5 | | | |

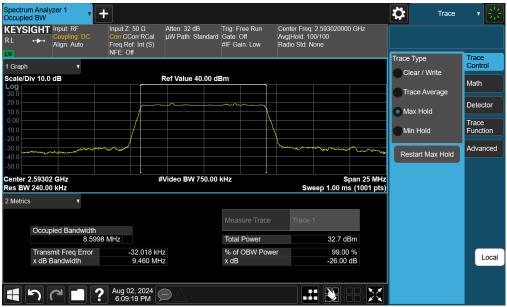
Plot 7-104. Occupied Bandwidth Plot (NR Band n41 - 15MHz QPSK - Full RB)



Plot 7-105. Occupied Bandwidth Plot (NR Band n41 - 15MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | | |
|---------------------|-------------------------|---|-----------------------------------|--|--|--|
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Plot 7-106. Occupied Bandwidth Plot (NR Band n41 - 10MHz π/2 BPSK - Full RB)



Plot 7-107. Occupied Bandwidth Plot (NR Band n41 - 10MHz QPSK - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | |
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| Test Report S/N: | Test Dates: | st Dates: EUT Type: Page | | | |
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| | ectrum Analyzer - C | | | | | | | | | | | |
|-----------------------|--------------------------|--|----------|-------------|--------------|--------------|-----|------------------------|-------------|----------------|------|-------------|
| L <mark>XI</mark> RLT | RF 50 | Ω AC CORRE | C | | NSE:INT | | | LIGN AUTO | | M Jun 25, 2024 | Trac | e/Detector |
| | | | | | req: 2.59302 | | | 100/100 | Radio Std | None | | 012000001 |
| | Gate: LO | #IEGai | in:Low | #Atten: 3 | | Avgine | nu. | 100/100 | Radio Dev | ice: BTS | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10 dB/div | Ref 40. | 00 dBm | | | | | | | | | | |
| Log 30.0 | | | | | | | | | | | | |
| | | | | | | | | | | | | Clear Write |
| 20.0 | | | | | | b . 1 | | | | | | |
| 10.0 | | | 1000 MAY | MAN MANA AN | ₩₩₩₩ | MWMM4 | | | | | | |
| 0.00 | | | f · · · | | | 1 PY 1 | | | | | | |
| | | 1 | ' | | | | | | | | | Average |
| -10.0 | | | | | | | | | | | | Average |
| -20.0 | | | | | | | | | | | | |
| -30.0 1 tub | Wrown Lyfrender | millioniti | | | | | Wk | ակ _{ար} ներդն | ilwww. | White a la | | |
| -40.0 | Acres 11 March 1 March 1 | In the second se | | | | | | - W | a at tao li | a hadharha | | |
| | | | | | | | | | | | | Max Hold |
| -50.0 | | | | | | | | | | | _ | |
| Contor 2 | 59302 GHz | | | | | | | | Enon 3 | 5.00 MHz | | |
| Res BW | | | | #\/E | 3W 750 k | -U-7 | | | | 2.133 ms | | |
| Res DW | 24V KHZ | | | #VE | 344 7JUN | λΠZ | | | oweep | 2.133 1115 | | Min Hold |
| 0.000 | nied Don | ما به بن ما به ام | | | Total P | ower | | 27.5 | dBm | | | |
| Occu | pied Ban | | | | TOtal I | Ower | | 21.5 | UDIII | | | |
| | | 8.557 | '0 MH | z | | | | | | | | Detector |
| | | | | | | | | | | | | Peak► |
| Transi | mit Freq E | rror -3 | 1.646 | (Hz | % of O | BW Po | ve | r 99 | .00 % | | Auto | <u>Man</u> |
| | ماغاد ان در اد در د | | 9.201 M | | w all | | | 26.0 | | | | |
| хаве | Bandwidth | 2 | 9.201 W | IHZ | x dB | | | -20.0 | 00 dB | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 100 | | | | | | | | OTATIO | | | | |
| MSG | | | | | | | | STATUS | | | | |

Plot 7-108. Occupied Bandwidth Plot (NR Band n41 - 10MHz 16-QAM - Full RB)

| FCC ID: A3LSMX828U | | PART 27 MEASUREMENT REPORT | Approved by: Technical Manager | | | |
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7.4 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

For Band 30 and n30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is 70 + 10 log10(P[Watts]).

For Band 7, 41, n7 and n41, the minimum permissible attenuation level of any spurious emission is 55 + 10log₁₀(*P*[*w*atts]).

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.4

Test Settings

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

Test Setup

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



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

- 1. Per Part 27, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1MHz.
- 2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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LTE Band 30

| Mode | Bandwidth | Channel | Range [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] |
|---------|-----------|---------|-------------------|----------------|----------------|----------------|
| | | Mid | 30.0 - 2288.0 | -47.22 | -40 | -7.22 |
| LTE-B30 | 10MHz | Mid | 2365.0 - 15000.0 | -50.27 | -40 | -10.27 |
| | | Mid | 15000.0 - 27000.0 | -52.79 | -40 | -12.79 |

Table 7-11. Conducted Emission Test Results

| EYSIGHT Input: RF L +++ Coupling: DC Align: Auto 7 PASS | Input Ζ: 50 Ω Corr CCorr RCal Freq Ref: Int (S) NFE: Off | Atten: 30 dB µW Path: Standard | PNO: Fast d Gate: Off IF Gain: Low Sig Track: Off | | 3 4 5 6 Center Frequence WWWW N N N N Span | |
|--|--|-----------------------------------|--|--|--|--------|
| Spectrum v cale/Div 10 dB | | Ref Level 20.00 d | IBm | Mkr1 2.218 5 -47.217 | GHZ 2.25800000 | Span |
| 0.0 0.0 | | | | | Full S Start Freq 30,000000 | pan |
| 0.0 | | | | | Stop Freq 2.28800000 | 00 GHz |
| | a the second of the second | ***** | General adverse adverse adverse | a free destantes a series and the series and a series of the series of t | CF Step 225.800000 | |
| 0.0 | | | | | Man Freq Offset 0 Hz X Axis Scale | |
| art 0.030 GHz es BW 1.0 MHz | | #Video BW 3.0 N | 1Hz | Stop 2.2 Sweep 3.01 ms (45 | 288 GHz Log | |

Plot 7-109. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0)

| FCC ID: A3LSMX828U | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager | |
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Plot 7-110. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-111. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0)

| FCC ID: A3LSMX828U | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager | |
|---------------------|----------------------------|-----------------|-----------------------------------|--|
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LTE Band 7

| Mode | Bandwidth | Channel | Range [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] |
|--------|-----------|---------|-------------------|----------------|----------------|----------------|
| LTE-B7 | 20MHz | Low | 30.0 - 2475.0 | -46.53 | -25 | -21.58 |
| | | Low | 2570.0 - 15000.0 | -40.21 | -25 | -15.21 |
| | | Low | 15000.0 - 27000.0 | -52.83 | -25 | -27.83 |
| | | Mid | 30.0 - 2500.0 | -46.28 | -25 | -21.28 |
| | | Mid | 2570.0 - 15000.0 | -40.27 | -25 | -15.27 |
| | | Mid | 15000.0 - 27000.0 | -52.95 | -25 | -27.95 |
| | | High | 30.0 - 2500.0 | -46.13 | -25 | -21.13 |
| | | High | 2570.0 - 15000.0 | -40.26 | -25 | -15.26 |
| | | High | 15000.0 - 27000.0 | -52.85 | -25 | -27.85 |

Table 7-12. Conducted Emission Test Results



Plot 7-112. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

| FCC ID: A3LSMX828U | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager | |
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