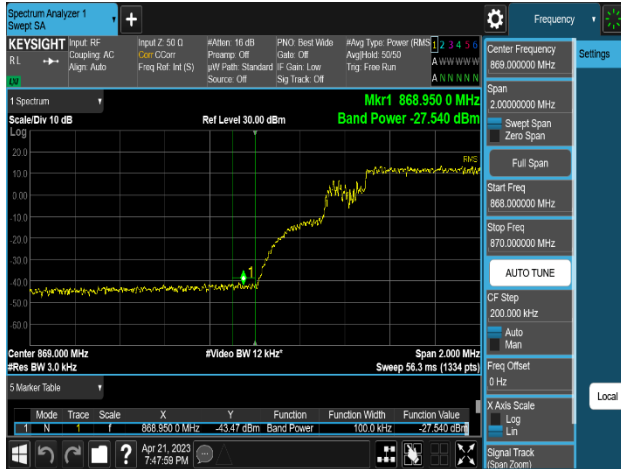
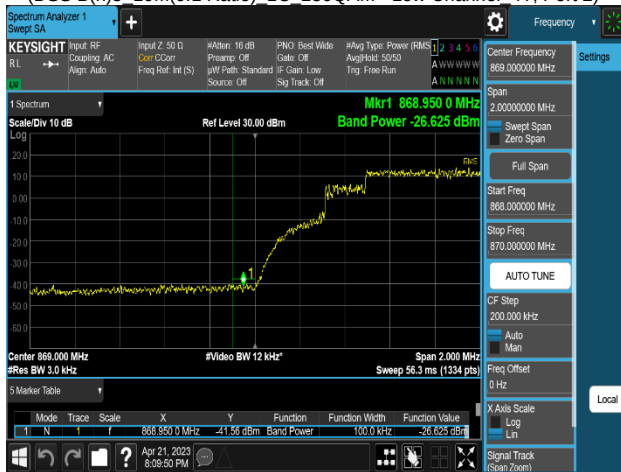
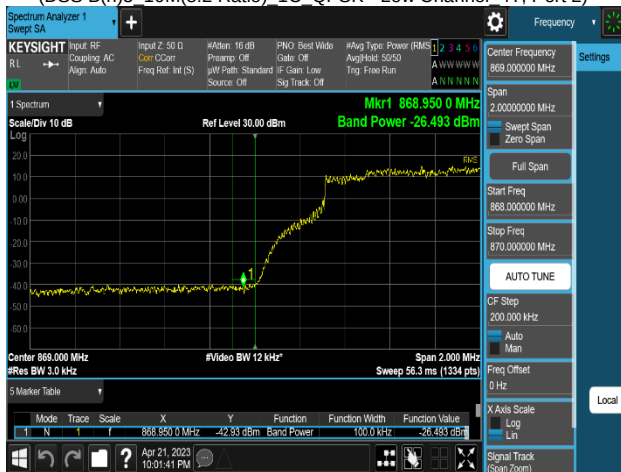




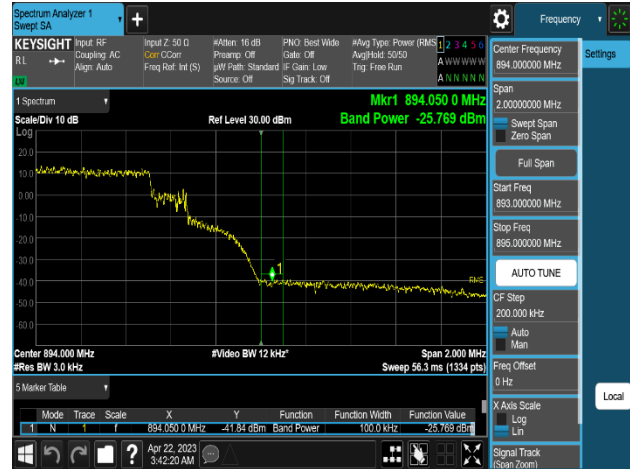
Plot 8-367. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(9:1 Ratio)\_1C\_256QAM - Low Channel 4T, Port 2)



Plot 8-369. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(8:2 Ratio)\_1C\_QPSK - Low Channel 4T, Port 2)



Plot 8-371. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(4:6 Ratio)\_1C\_16QAM - Low Channel 4T, Port 2)



Plot 8-368. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(9:1 Ratio)\_1C\_16QAM - High Channel 4T, Port 1)

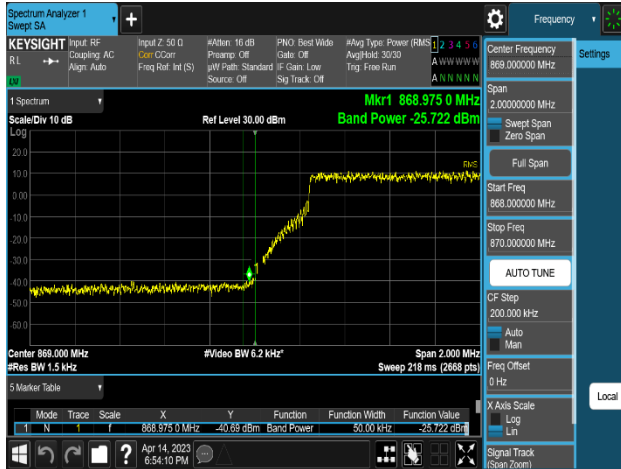


Plot 8-370. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(8:2 Ratio)\_1C\_256QAM - High Channel 4T, Port 1)

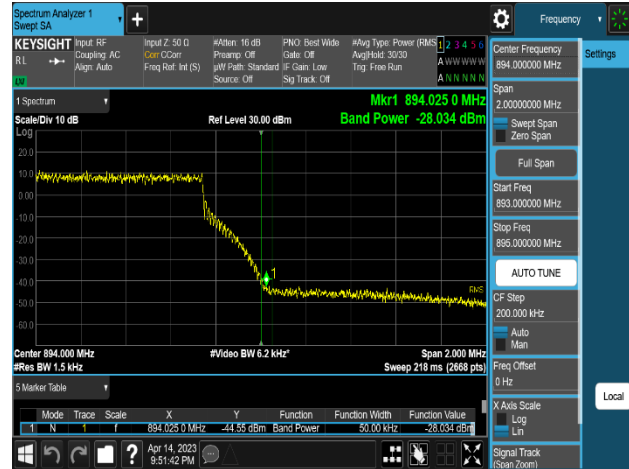


Plot 8-372. Band Edge Emission Summary Data Plot  
(DSS B(n)5\_10M(4:6 Ratio)\_1C\_256QAM - High Channel 4T, Port 0)

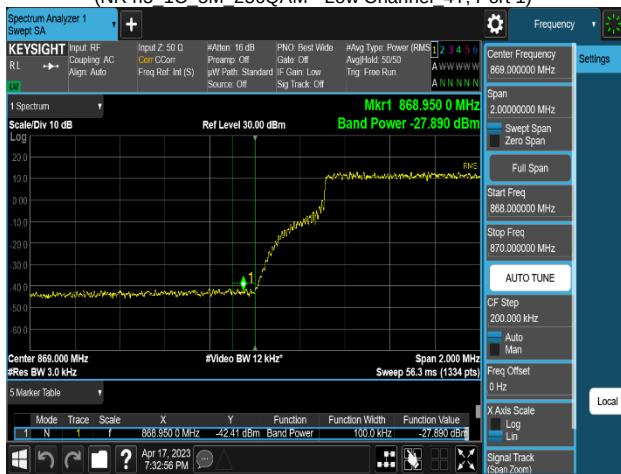
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
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Plot 8-373. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_5M\_256QAM - Low Channel 4T, Port 1)



Plot 8-374. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_5M\_256QAM - High Channel 4T, Port 1)



Plot 8-375. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_10M\_256QAM - Low Channel 4T, Port 1)



Plot 8-376. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_10M\_256QAM - High Channel 4T, Port 1)

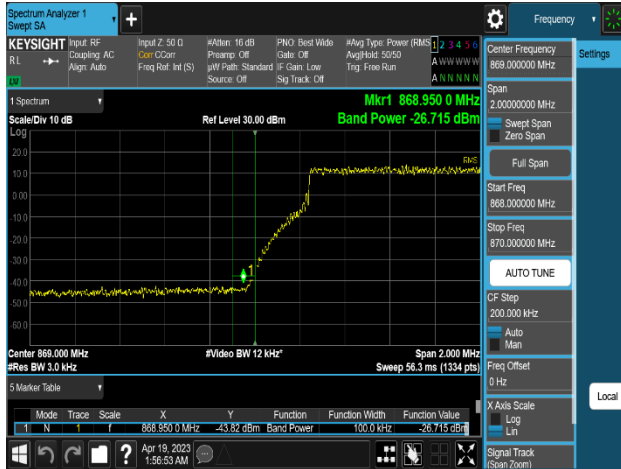


Plot 8-377. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_15M\_QPSK - Low Channel 4T, Port 2)

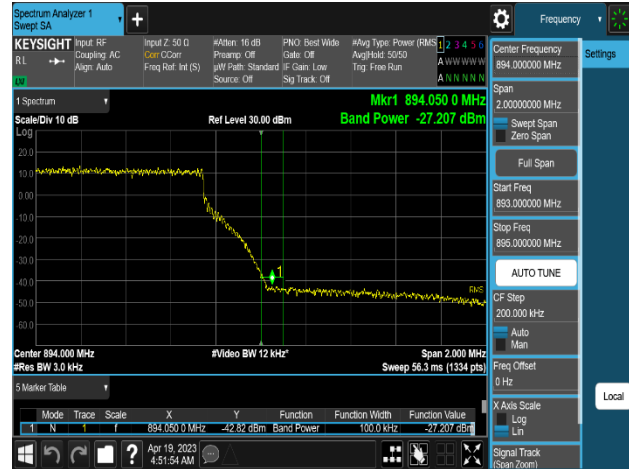


Plot 8-378. Band Edge Emission Summary Data Plot  
(NR n5\_1C\_15M\_16QAM - High Channel 4T, Port 0)

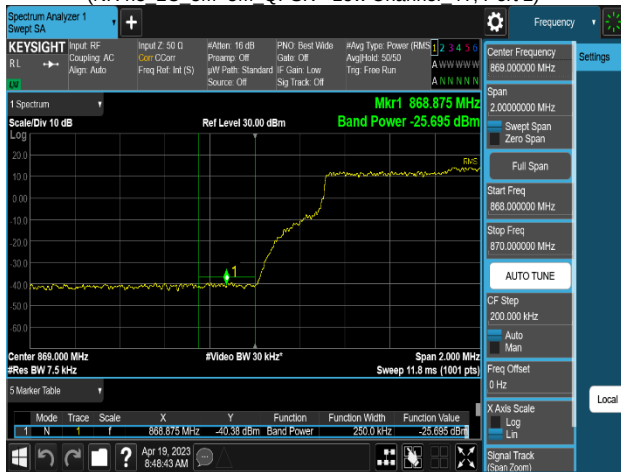
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
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Plot 8-379. Band Edge Emission Summary Data Plot  
(NR n5\_2C\_5M+5M\_QPSK - Low Channel 4T, Port 2)



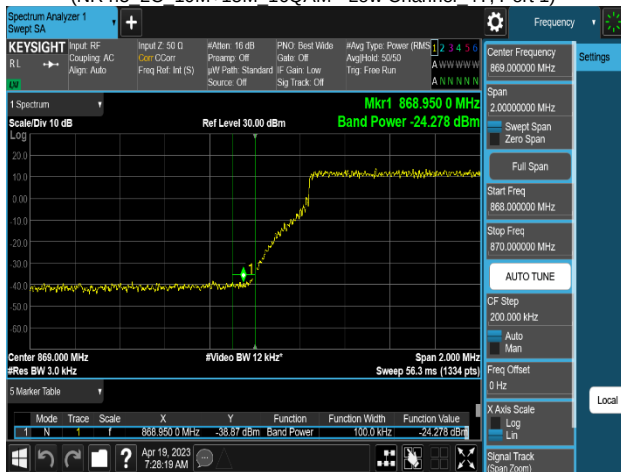
Plot 8-380. Band Edge Emission Summary Data Plot  
(NR n5\_2C\_5M+5M\_QPSK - High Channel 4T, Port 2)



Plot 8-381. Band Edge Emission Summary Data Plot  
(NR n5\_2C\_10M+15M\_16QAM - Low Channel 4T, Port 1)



Plot 8-382. Band Edge Emission Summary Data Plot  
(NR n5\_2C\_10M+15M\_16QAM - High Channel 4T, Port 2)



Plot 8-383. Band Edge Emission Summary Data Plot  
(NR n5\_2NC\_10M+15M\_QPSK - Low Channel 4T, Port 1)

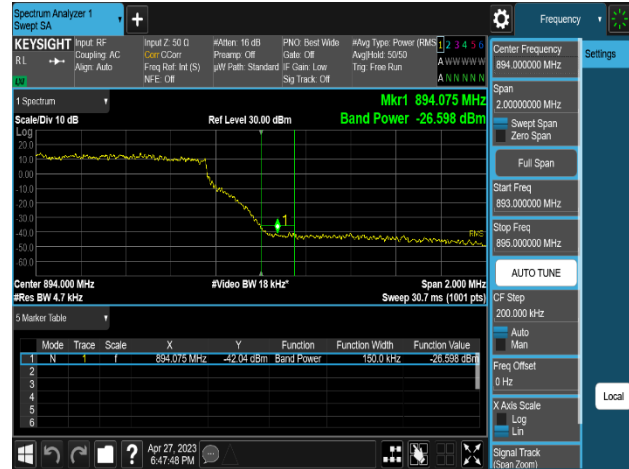


Plot 8-384. Band Edge Emission Summary Data Plot  
(NR n5\_2NC\_10M+15M\_QPSK - High Channel 4T, Port 2)

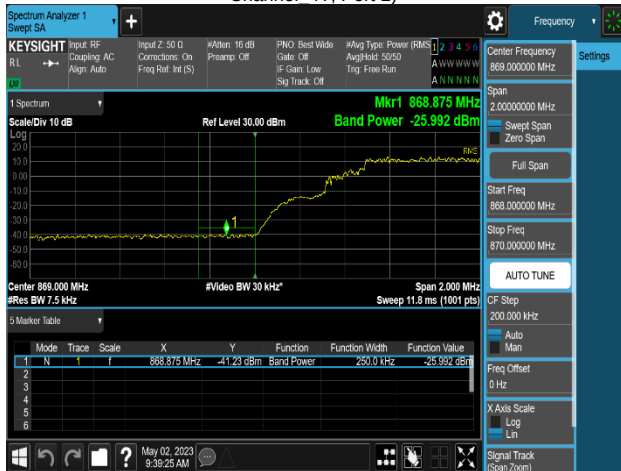
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
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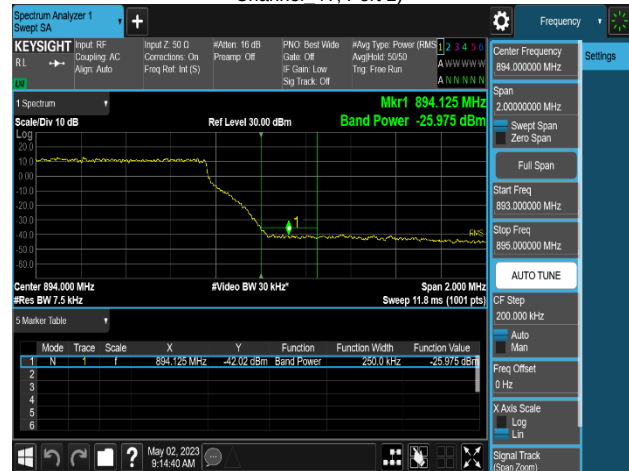
Plot 8-385. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_16QAM - Low Channel 4T, Port 2)



Plot 8-386. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_16QAM - High Channel 4T, Port 2)



Plot 8-387. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_16QAM - Low Channel 4T, Port 1)



Plot 8-388. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_QPSK - High Channel 4T, Port 3)

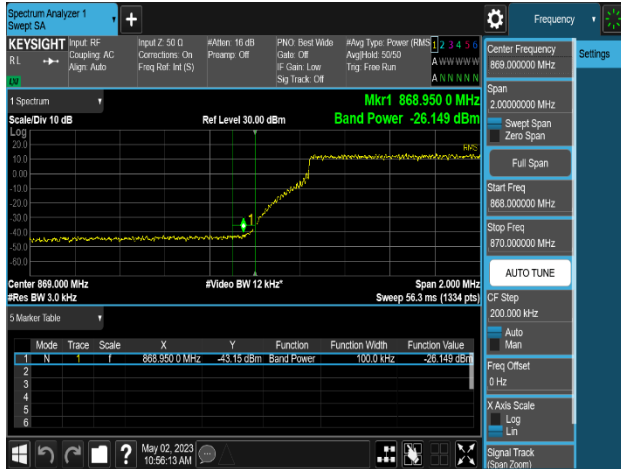


Plot 8-389. Band Edge Emission Summary Data Plot  
(MSR 2NC\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_QPSK - Low Channel 4T, Port 0)

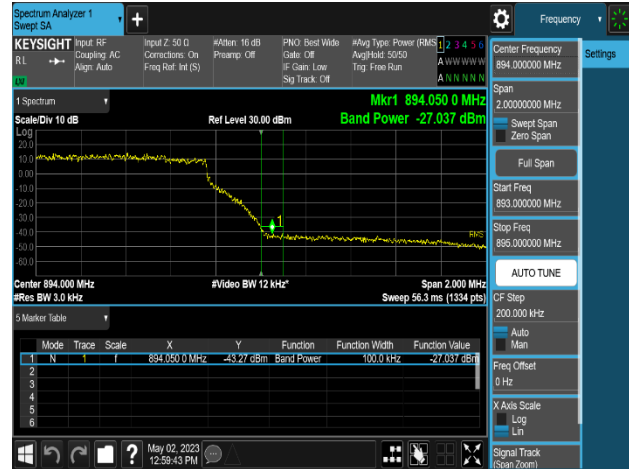


Plot 8-390. Band Edge Emission Summary Data Plot  
(MSR 2NC\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_QPSK - High Channel 4T, Port 2)

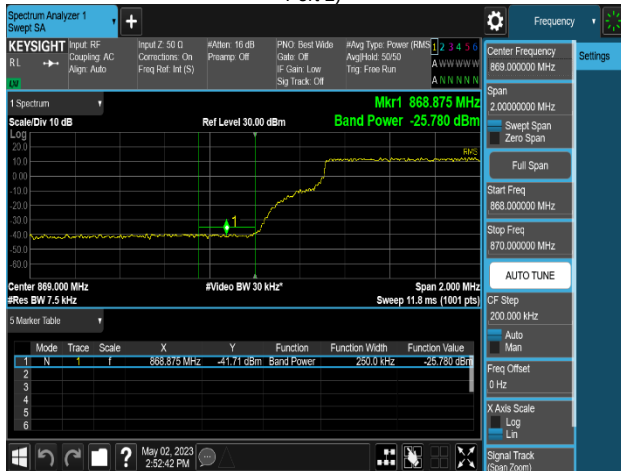
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023 | EUT Type:<br>RRU(RF4461d)             |  | Page 193 of 394                   |



Plot 8-391. Band Edge Emission Summary Data Plot  
(MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK - Low Channel\_4T, Port 2)



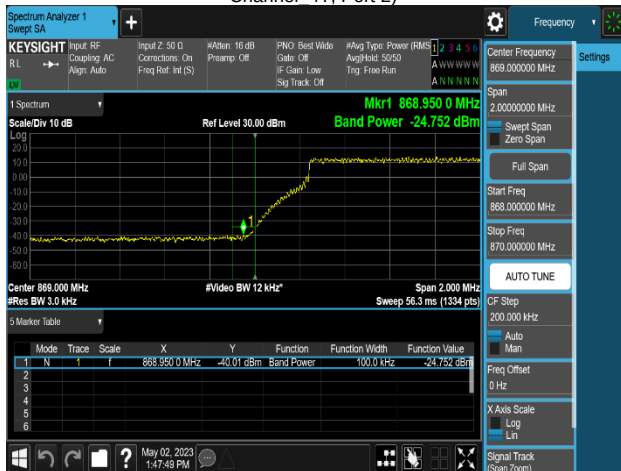
Plot 8-392. Band Edge Emission Summary Data Plot  
(MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_16QAM - High Channel\_4T, Port 2)



Plot 8-393. Band Edge Emission Summary Data Plot  
(MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_QPSK - Low Channel\_4T, Port 2)



Plot 8-394. Band Edge Emission Summary Data Plot  
(MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_QPSK - High Channel\_4T, Port 2)

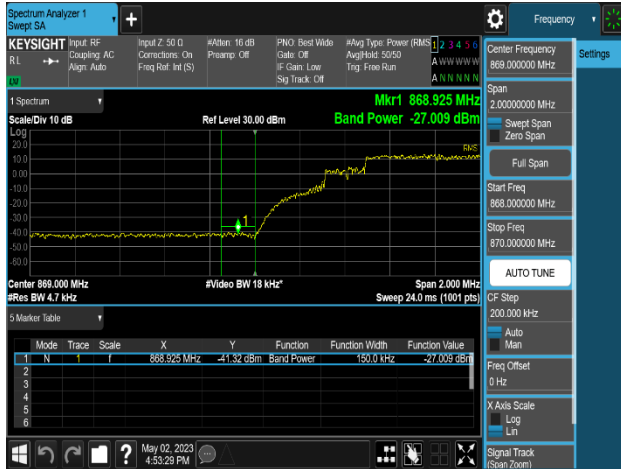


Plot 8-395. Band Edge Emission Summary Data Plot  
(MSR 2NC\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK - Low Channel\_4T, Port 1)

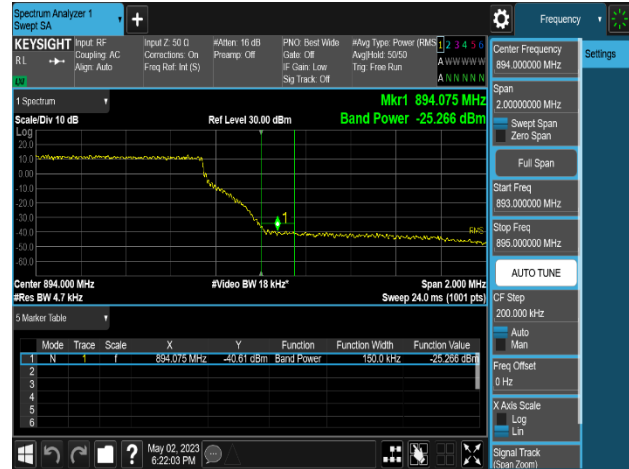


Plot 8-396. Band Edge Emission Summary Data Plot  
(MSR 2NC\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK - High Channel\_4T, Port 3)

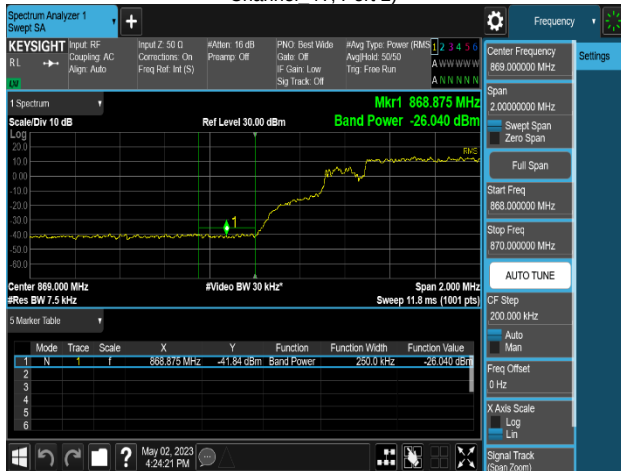
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023 | EUT Type:<br>RRU(RF4461d)             |  | Page 194 of 394                   |



Plot 8-397. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_QPSK - Low Channel 4T, Port 2)



Plot 8-398. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_QPSK - High Channel 4T, Port 2)



Plot 8-399. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_16QAM - Low Channel 4T, Port 1)



Plot 8-400. Band Edge Emission Summary Data Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_16QAM - High Channel 4T, Port 1)

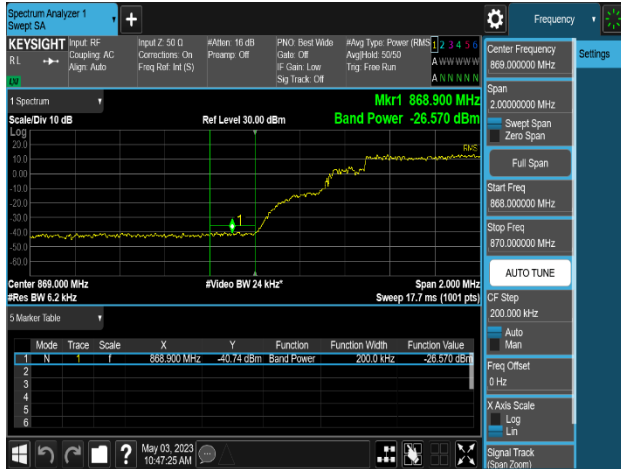


Plot 8-401. Band Edge Emission Summary Data Plot  
(MSR 2NC\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_QPSK - Low Channel 4T, Port 1)

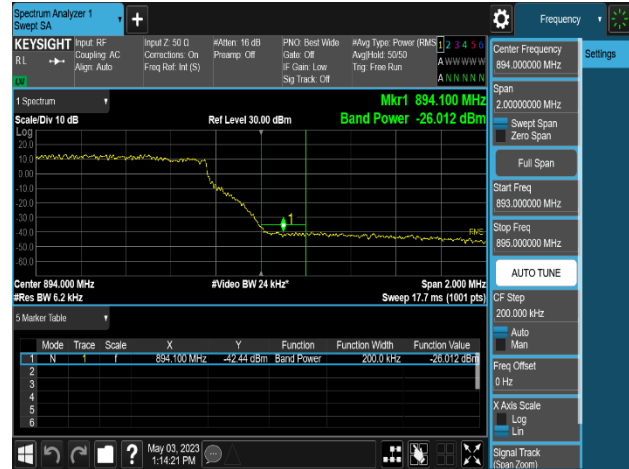


Plot 8-402. Band Edge Emission Summary Data Plot  
(MSR 2NC\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_QPSK - High Channel 4T, Port 2)

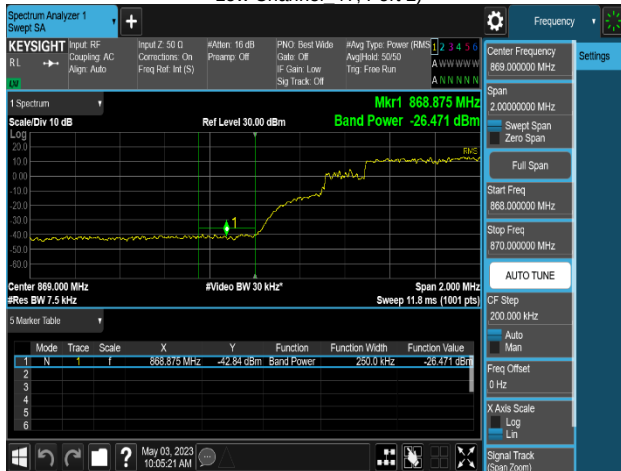
|                                          |                                        |                                       |  |                                   |
|------------------------------------------|----------------------------------------|---------------------------------------|--|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |                                        | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
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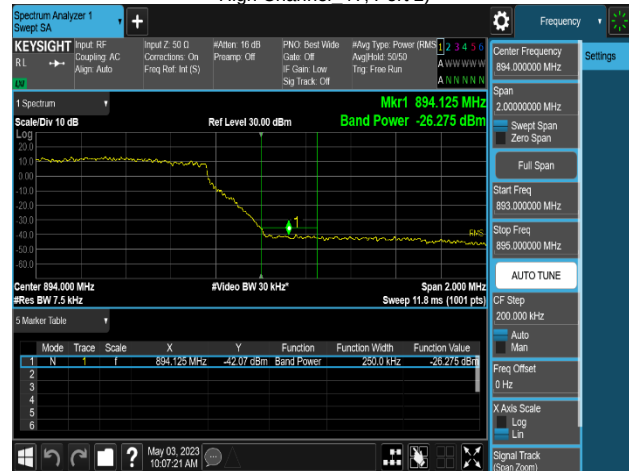
Plot 8-403. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_16QAM  
- Low Channel 4T, Port 2)



Plot 8-404. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_16QAM  
- High Channel 4T, Port 2)



Plot 8-405. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_10M+LTE  
B5\_1C\_5M\_16QAM - Low Channel 4T, Port 2)



Plot 8-406. Band Edge Emission Summary Data Plot  
(MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_16QAM - High  
Channel 4T, Port 2)

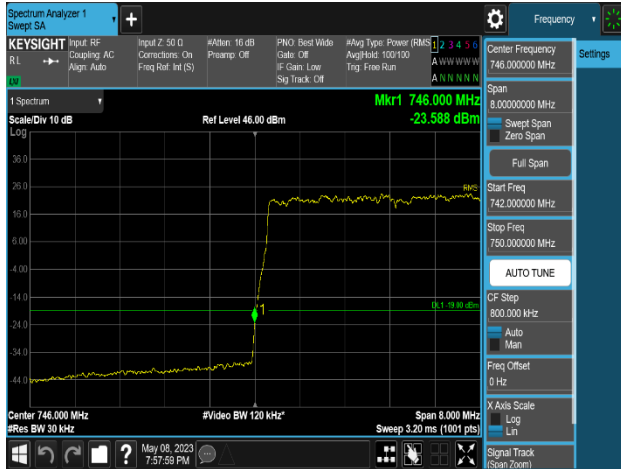


Plot 8-407. Band Edge Emission Summary Data Plot  
(MSR 3NC\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK  
- Low Channel 4T, Port 1)

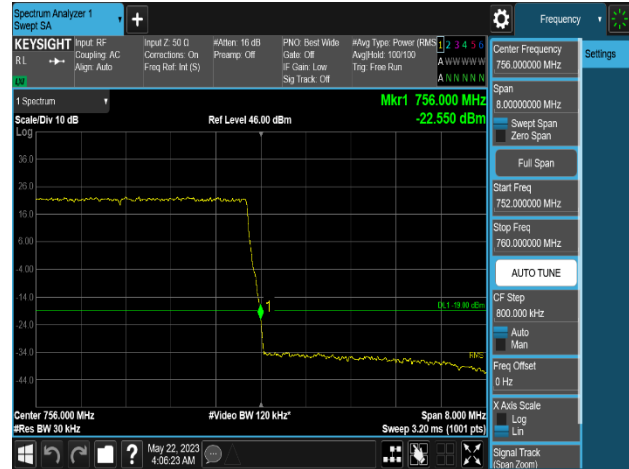


Plot 8-408. Band Edge Emission Summary Data Plot  
(MSR 3NC\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK  
- High Channel 4T, Port 2)

|                                          |                                        |                                       |  |                                   |
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Plot 8-409. Band Edge Emission Summary Data Plot  
(LTE B13 1C 5M 16QAM - Low Channel 4T, Port 1)



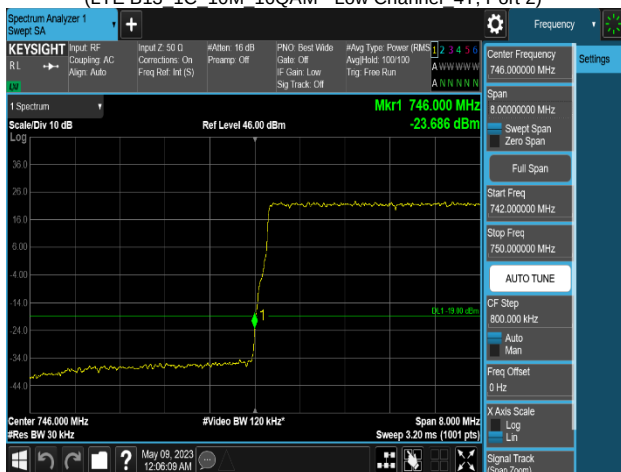
Plot 8-410. Band Edge Emission Summary Data Plot  
(LTE B13 1C 5M QPSK - High Channel 4T, Port 2)



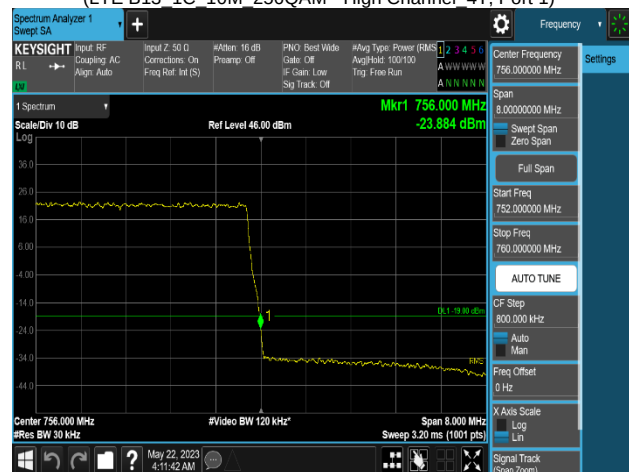
Plot 8-411. Band Edge Emission Summary Data Plot  
(LTE B13 1C 10M 16QAM - Low Channel 4T, Port 2)



Plot 8-412. Band Edge Emission Summary Data Plot  
(LTE B13 1C 10M QPSK - High Channel 4T, Port 1)

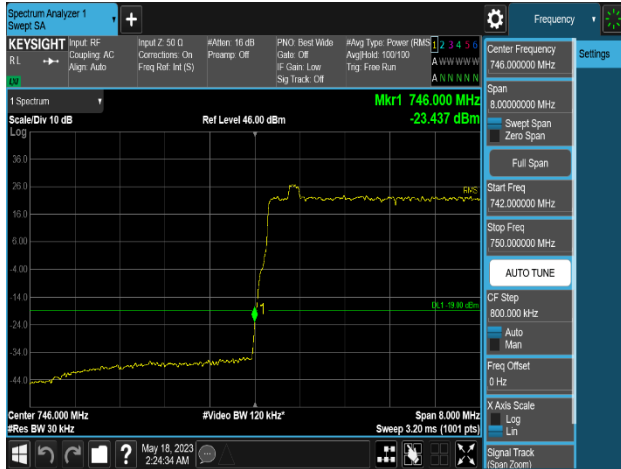


Plot 8-413. Band Edge Emission Summary Data Plot  
(LTE B13 2C 5M+5M QPSK - Low Channel 4T, Port 1)

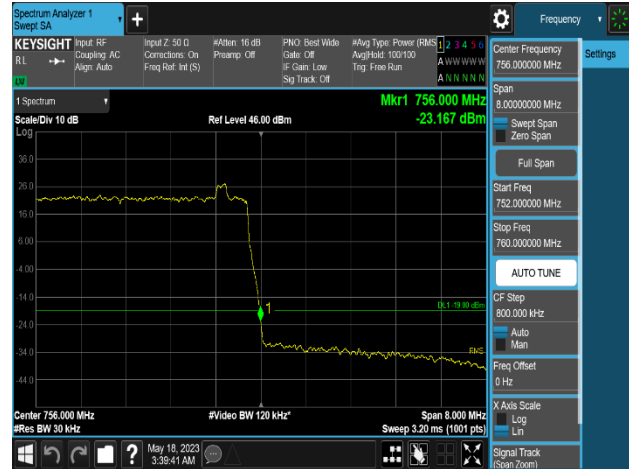


Plot 8-414. Band Edge Emission Summary Data Plot  
(LTE B13 2C 5M+5M QPSK - High Channel 4T, Port 1)

|                                          |                                        |                                       |  |                                   |
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Plot 8-415. Band Edge Emission Summary Data Plot  
(LTE B13 1C 5M+NB-IoT(1IB) QPSK - Low Channel 4T, Port 3)



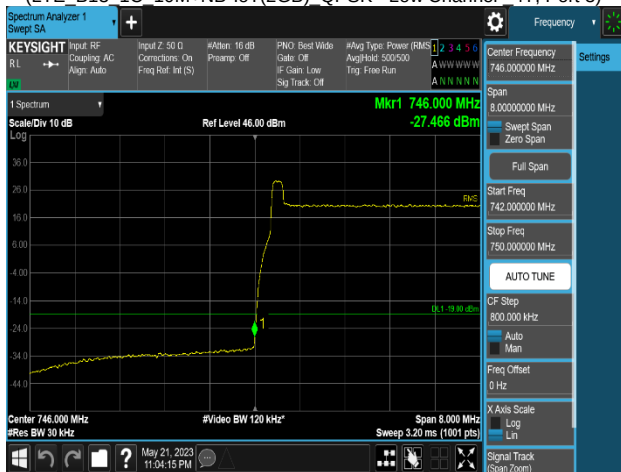
Plot 8-416. Band Edge Emission Summary Data Plot  
(LTE B13 1C 5M+NB-IoT(1IB) QPSK - High Channel 4T, Port 3)



Plot 8-417. Band Edge Emission Summary Data Plot  
(LTE B13 1C 10M+NB-IoT(2GB) QPSK - Low Channel 4T, Port 3)



Plot 8-418. Band Edge Emission Summary Data Plot  
(LTE B13 1C 10M+NB-IoT(2GB) QPSK - High Channel 4T, Port 3)



Plot 8-419. Band Edge Emission Summary Data Plot  
(Multi-Band\_LTE B13\_1C\_10M+B5\_1C\_10M\_QPSK - Low Channel 4T, Port 3)

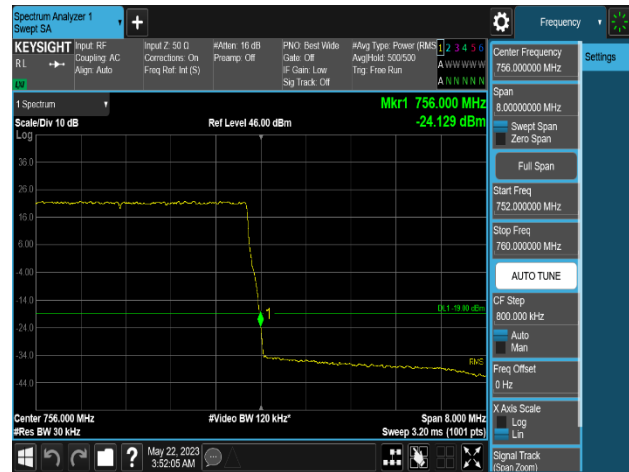


Plot 8-420. Band Edge Emission Summary Data Plot  
(Multi-Band\_LTE B13\_1C\_10M+B5\_1C\_10M\_QPSK - High Channel 4T, Port 3)

|                                          |                                        |                                       |  |                                   |
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Plot 8-421. Band Edge Emission Summary Data Plot  
(Multi-Band\_LTE B13\_2C\_5M+5M+DSS B(n)5\_1C\_10M+NR  
n5\_1C\_10M+LTE B5\_1C\_5M\_QPSK – Low Channel \_4T, Port 3)



Plot 8-422. Band Edge Emission Summary Data Plot  
(Multi-Band\_LTE B13\_2C\_5M+5M+DSS B(n)5\_1C\_10M+NR  
n5\_1C\_10M+LTE B5\_1C\_5M\_QPSK – High Channel \_4T, Port 0)

|                                          |                                                                                     |                                       |                                                                                       |                                   |
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## 8.6 Spurious and Harmonic Emissions at Antenna Terminal

### Test Overview

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

### Test Procedure Used

KDB 971168 D01 v03r01 – Section 6

KDB 662911 D01 v02r01 – Section E)3) Out-of-Band and Spurious Emission Measurements

a) Absolute Emission Limits

iii) Measure and add  $10 \log(N_{ANT})$  dB

ANSI C63.26-2015 – Section 5.7

### Test Setting

1. Start frequency was set to 9 kHz and stop frequency was set to at least  $10 \times$  the fundamental frequency excluding the frequency range of the band edge measurement.
2. RBW: Please see test notes below.
3.  $VBW \geq 3 \times RBW$
4. Detector = RMS
5. Number of sweep points  $\geq 2 \times \text{Span}/RBW$
6. Trace mode = trace average
7. Sweep time = auto couple
8. The trace was allowed to stabilize

### Limit

#### **Band(n) 13 operation under Part 27**

The power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm.

The power of any emission Frequency range 1559MHz to 1610MHz cannot exceed -70dBW/MHz for wideband signals and -80dBW for discrete emissions of bandwidths less than 700Hz.

#### **Band(n) 5 operation under Part 22**

The power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm.

|                                          |                                                                                     |                                       |                                                                                       |                                   |
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5. The limits were adjusted by a factor of  $[-10 \cdot \log(2)]$  dB to account for the device operation as a 2 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:  
 $\text{MIMO Factor} = 10 \cdot \log(2) = 3.01$  dB
6. Narrower RBW parameter is applied according to Section 5.7 of ANSI C63.26-2015 for some edge channels due to improving measurement accuracy. RBW Factor calculation as below:
- $\text{RBW Factor} = 10 \cdot \log(0.1/0.001) = 20$  dB
  - $\text{RBW Factor} = 10 \cdot \log(0.1/0.01) = 10$  dB

| Frequency range        | Basic Limit (dBm/MHz) | MIMO Factor (dB) | References RBW (MHz) | Measurement RBW (MHz) | RBW Factor (dB) | Adjusted limit (dBm) |
|------------------------|-----------------------|------------------|----------------------|-----------------------|-----------------|----------------------|
| 9 kHz to 150 kHz       | -13.00                | 3.01             | 0.1                  | 0.001                 | 20              | -36.01               |
| 150 kHz to 30 MHz      |                       |                  |                      | 0.01                  | 10              | -26.01               |
| 30 MHz to 1 GHz        |                       |                  |                      | 0.1                   | 0               | -16.01               |
| 1 GHz to 10 GHz        |                       |                  |                      | 1                     |                 |                      |
| 1.559 GHz to 1.610 GHz | -50.00                | 3.01             | 1                    | 1                     | 0               | -53.01               |

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

7. The limits were adjusted by a factor of  $[-10 \cdot \log(4)]$  dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:  
 $\text{MIMO Factor} = 10 \cdot \log(4) = 6.02$  dB
8. Narrower RBW parameter is applied according to Section 5.7 of ANSI C63.26-2015 for some edge channels due to improving measurement accuracy. RBW Factor calculation as below:
- $\text{RBW Factor} = 10 \cdot \log(0.1/0.001) = 20$  dB
  - $\text{RBW Factor} = 10 \cdot \log(0.1/0.01) = 10$  dB

| Frequency range        | Basic Limit (dBm/MHz) | MIMO Factor (dB) | References RBW (MHz) | Measurement RBW (MHz) | RBW Factor (dB) | Adjusted limit (dBm) |
|------------------------|-----------------------|------------------|----------------------|-----------------------|-----------------|----------------------|
| 9 kHz to 150 kHz       | -13.00                | 6.02             | 0.1                  | 0.001                 | 20              | -39.02               |
| 150 kHz to 30 MHz      |                       |                  |                      | 0.01                  | 10              | -29.02               |
| 30 MHz to 1 GHz        |                       |                  |                      | 0.1                   | 0               | -19.02               |
| 1 GHz to 10 GHz        |                       |                  |                      | 1                     |                 |                      |
| 1.559 GHz to 1.610 GHz | -50.00                | 6.02             | 1                    | 1                     | 0               | -56.02               |

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor

|                                          |                                                                                     |                                       |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |                                                                                       | Page 202 of 394                   |

| Channel | Port | Measurement Range  | Level (dBm) |        |               |        | Limit (dBm) | Worst Margin (dB) |
|---------|------|--------------------|-------------|--------|---------------|--------|-------------|-------------------|
|         |      |                    | QPSK        | 16QAM  | 64QAM         | 256QAM |             |                   |
| Low     | 0    | 9 kHz to 150 kHz   | -58.59      | -58.39 | -58.40        | -58.98 | -36.01      | -22.38            |
|         |      | 150 kHz to 30 MHz  | -51.36      | -51.08 | -51.25        | -51.21 | -26.01      | -25.07            |
|         |      | 30 MHz to 858 MHz  | -49.16      | -49.17 | -49.08        | -48.66 | -16.01      | -32.65            |
|         |      | 858 MHz to 868 MHz | -24.49      | -30.86 | -29.94        | -28.90 | -16.01      | -8.47             |
|         |      | 895 MHz to 1 GHz   | -46.13      | -45.62 | -44.70        | -47.41 | -16.01      | -28.69            |
|         |      | 1 GHz to 10 GHz    | -23.23      | -23.34 | -23.60        | -23.23 | -16.01      | -7.22             |
|         | 1    | 9 kHz to 150 kHz   | -58.84      | -58.58 | -58.67        | -58.65 | -36.01      | -22.57            |
|         |      | 150 kHz to 30 MHz  | -50.73      | -50.95 | -50.39        | -51.36 | -26.01      | -24.38            |
|         |      | 30 MHz to 858 MHz  | -49.14      | -48.20 | -48.77        | -48.28 | -16.01      | -32.19            |
|         |      | 858 MHz to 868 MHz | -24.70      | -28.60 | -28.54        | -28.24 | -16.01      | -8.69             |
|         |      | 895 MHz to 1 GHz   | -42.11      | -41.67 | -41.77        | -41.33 | -16.01      | -25.32            |
|         |      | 1 GHz to 10 GHz    | -23.75      | -23.81 | -24.06        | -24.14 | -16.01      | -7.74             |
| Middle  | 0    | 9 kHz to 150 kHz   | -59.08      | -58.60 | <b>-58.63</b> | -59.27 | -36.01      | -22.59            |
|         |      | 150 kHz to 30 MHz  | -51.15      | -51.28 | <b>-51.04</b> | -51.49 | -26.01      | -25.03            |
|         |      | 30 MHz to 858 MHz  | -49.75      | -49.56 | <b>-48.56</b> | -49.92 | -16.01      | -32.55            |
|         |      | 858 MHz to 868 MHz | -37.08      | -37.23 | <b>-36.32</b> | -36.88 | -16.01      | -20.31            |
|         |      | 895 MHz to 1 GHz   | -44.00      | -44.14 | <b>-40.70</b> | -43.09 | -16.01      | -24.69            |
|         |      | 1 GHz to 10 GHz    | -23.58      | -23.47 | <b>-23.08</b> | -23.39 | -16.01      | <b>-7.07</b>      |
|         | 1    | 9 kHz to 150 kHz   | -58.91      | -57.95 | -58.40        | -58.42 | -36.01      | -21.94            |
|         |      | 150 kHz to 30 MHz  | -51.01      | -50.66 | -50.67        | -51.47 | -26.01      | -24.65            |
|         |      | 30 MHz to 858 MHz  | -49.31      | -48.85 | -48.96        | -48.53 | -16.01      | -32.52            |
|         |      | 858 MHz to 868 MHz | -34.83      | -34.10 | -34.74        | -34.32 | -16.01      | -18.09            |
|         |      | 895 MHz to 1 GHz   | -41.55      | -38.90 | -39.14        | -39.62 | -16.01      | -22.89            |
|         |      | 1 GHz to 10 GHz    | -23.55      | -23.71 | -23.63        | -24.01 | -16.01      | -7.54             |
| High    | 0    | 9 kHz to 150 kHz   | -59.25      | -58.57 | -59.35        | -59.30 | -36.01      | -22.56            |
|         |      | 150 kHz to 30 MHz  | -51.21      | -51.53 | -50.55        | -51.74 | -26.01      | -24.54            |
|         |      | 30 MHz to 858 MHz  | -49.36      | -50.11 | -49.81        | -48.66 | -16.01      | -32.65            |
|         |      | 858 MHz to 868 MHz | -37.51      | -37.37 | -37.76        | -37.98 | -16.01      | -21.36            |
|         |      | 895 MHz to 1 GHz   | -37.87      | -35.49 | -38.27        | -40.01 | -16.01      | -19.48            |
|         |      | 1 GHz to 10 GHz    | -23.28      | -23.30 | -23.44        | -23.80 | -16.01      | -7.26             |
|         | 1    | 9 kHz to 150 kHz   | -59.48      | -58.73 | -58.73        | -58.54 | -36.01      | -22.53            |
|         |      | 150 kHz to 30 MHz  | -51.05      | -51.22 | -50.68        | -51.17 | -26.01      | -24.66            |
|         |      | 30 MHz to 858 MHz  | -49.13      | -49.29 | -49.69        | -49.04 | -16.01      | -33.03            |
|         |      | 858 MHz to 868 MHz | -35.54      | -34.61 | -35.50        | -34.31 | -16.01      | -18.30            |
|         |      | 895 MHz to 1 GHz   | -32.32      | -30.34 | -35.40        | -31.01 | -16.01      | -14.33            |
|         |      | 1 GHz to 10 GHz    | -23.70      | -23.80 | -23.98        | -23.93 | -16.01      | -7.69             |

**Table 8-230. Conducted Spurious Emission Summary Data (LTE B5\_1C\_5M\_2T)**

|                                          |                                                                                     |                                       |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |                                                                                       | Page 203 of 394                   |

| Channel | Port | Measurement Range  | Level (dBm) |               |        |        | Limit (dBm) | Worst Margin (dB) |
|---------|------|--------------------|-------------|---------------|--------|--------|-------------|-------------------|
|         |      |                    | QPSK        | 16QAM         | 64QAM  | 256QAM |             |                   |
| Low     | 0    | 9 kHz to 150 kHz   | -55.81      | -55.72        | -57.44 | -57.70 | -36.01      | -19.71            |
|         |      | 150 kHz to 30 MHz  | -49.52      | -48.71        | -48.99 | -48.91 | -26.01      | -22.70            |
|         |      | 30 MHz to 858 MHz  | -47.79      | -47.72        | -48.05 | -48.22 | -16.01      | -31.71            |
|         |      | 858 MHz to 868 MHz | -27.48      | -28.94        | -29.14 | -29.53 | -16.01      | -11.47            |
|         |      | 895 MHz to 1 GHz   | -44.30      | -43.47        | -44.76 | -43.79 | -16.01      | -27.46            |
|         |      | 1 GHz to 10 GHz    | -23.29      | -23.31        | -23.31 | -23.26 | -16.01      | -7.25             |
|         | 1    | 9 kHz to 150 kHz   | -55.46      | -55.46        | -56.42 | -57.72 | -36.01      | -19.45            |
|         |      | 150 kHz to 30 MHz  | -48.80      | -48.90        | -48.75 | -48.79 | -26.01      | -22.74            |
|         |      | 30 MHz to 858 MHz  | -48.37      | -48.53        | -48.09 | -48.40 | -16.01      | -32.08            |
|         |      | 858 MHz to 868 MHz | -27.36      | -28.15        | -27.86 | -28.60 | -16.01      | -11.35            |
|         |      | 895 MHz to 1 GHz   | -42.39      | -42.31        | -40.32 | -41.88 | -16.01      | -24.31            |
|         |      | 1 GHz to 10 GHz    | -24.02      | -23.40        | -23.83 | -23.69 | -16.01      | -7.39             |
| Middle  | 0    | 9 kHz to 150 kHz   | -56.57      | -56.32        | -57.37 | -57.62 | -36.01      | -20.31            |
|         |      | 150 kHz to 30 MHz  | -49.10      | -49.36        | -49.06 | -49.11 | -26.01      | -23.05            |
|         |      | 30 MHz to 858 MHz  | -48.81      | -48.35        | -48.00 | -48.36 | -16.01      | -31.99            |
|         |      | 858 MHz to 868 MHz | -35.53      | -35.17        | -35.50 | -36.34 | -16.01      | -19.16            |
|         |      | 895 MHz to 1 GHz   | -42.23      | -42.89        | -43.71 | -43.19 | -16.01      | -26.21            |
|         |      | 1 GHz to 10 GHz    | -23.43      | -23.27        | -23.49 | -23.45 | -16.01      | -7.26             |
|         | 1    | 9 kHz to 150 kHz   | -55.70      | -55.84        | -56.81 | -57.32 | -36.01      | -19.69            |
|         |      | 150 kHz to 30 MHz  | -48.98      | -49.12        | -49.35 | -49.23 | -26.01      | -22.97            |
|         |      | 30 MHz to 858 MHz  | -47.88      | -48.45        | -48.07 | -47.81 | -16.01      | -31.80            |
|         |      | 858 MHz to 868 MHz | -34.28      | -34.06        | -33.92 | -34.32 | -16.01      | -17.91            |
|         |      | 895 MHz to 1 GHz   | -39.81      | -40.78        | -41.18 | -40.50 | -16.01      | -23.80            |
|         |      | 1 GHz to 10 GHz    | -23.89      | -23.88        | -23.78 | -23.67 | -16.01      | -7.65             |
| High    | 0    | 9 kHz to 150 kHz   | -55.99      | <b>-56.52</b> | -57.35 | -57.89 | -36.01      | -19.98            |
|         |      | 150 kHz to 30 MHz  | -48.97      | <b>-49.53</b> | -48.89 | -48.99 | -26.01      | -22.88            |
|         |      | 30 MHz to 858 MHz  | -47.47      | <b>-48.67</b> | -48.68 | -47.79 | -16.01      | -31.46            |
|         |      | 858 MHz to 868 MHz | -36.29      | <b>-35.70</b> | -35.73 | -35.98 | -16.01      | -19.69            |
|         |      | 895 MHz to 1 GHz   | -37.62      | <b>-35.91</b> | -37.88 | -37.61 | -16.01      | -19.90            |
|         |      | 1 GHz to 10 GHz    | -23.38      | <b>-23.14</b> | -23.20 | -23.38 | -16.01      | <b>-7.13</b>      |
|         | 1    | 9 kHz to 150 kHz   | -56.43      | -56.01        | -56.89 | -57.10 | -36.01      | -20.00            |
|         |      | 150 kHz to 30 MHz  | -48.95      | -48.38        | -48.86 | -49.06 | -26.01      | -22.36            |
|         |      | 30 MHz to 858 MHz  | -48.21      | -48.17        | -47.53 | -49.06 | -16.01      | -31.52            |
|         |      | 858 MHz to 868 MHz | -33.95      | -34.53        | -34.27 | -35.13 | -16.01      | -17.94            |
|         |      | 895 MHz to 1 GHz   | -34.20      | -34.95        | -34.94 | -34.17 | -16.01      | -18.16            |
|         |      | 1 GHz to 10 GHz    | -23.46      | -23.86        | -23.78 | -23.53 | -16.01      | -7.44             |

**Table 8-231. Conducted Spurious Emission Summary Data (LTE B5\_1C\_10M\_2T)**

|                                          |                                                                                     |                                       |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |                                                                                       | Page 204 of 394                   |

| Channel | Port | Measurement Range  | Level (dBm) |               | Limit (dBm) | Worst Margin (dB) |
|---------|------|--------------------|-------------|---------------|-------------|-------------------|
|         |      |                    | QPSK        | 16QAM         |             |                   |
| Low     | 0    | 9 kHz to 150 kHz   | -56.73      | -55.64        | -36.01      | -19.63            |
|         |      | 150 kHz to 30 MHz  | -48.24      | -47.15        | -26.01      | -21.14            |
|         |      | 30 MHz to 858 MHz  | -43.23      | -43.17        | -16.01      | -27.16            |
|         |      | 858 MHz to 868 MHz | -29.25      | -28.85        | -16.01      | -12.84            |
|         |      | 895 MHz to 1 GHz   | -41.91      | -41.73        | -16.01      | -25.72            |
|         |      | 1 GHz to 10 GHz    | -23.38      | -23.41        | -16.01      | -7.37             |
|         | 1    | 9 kHz to 150 kHz   | -56.38      | -55.87        | -36.01      | -19.86            |
|         |      | 150 kHz to 30 MHz  | -48.78      | -46.76        | -26.01      | -20.75            |
|         |      | 30 MHz to 858 MHz  | -42.71      | -42.69        | -16.01      | -26.68            |
|         |      | 858 MHz to 868 MHz | -26.06      | -26.38        | -16.01      | -10.05            |
|         |      | 895 MHz to 1 GHz   | -38.89      | -39.33        | -16.01      | -22.88            |
|         |      | 1 GHz to 10 GHz    | -23.83      | -23.98        | -16.01      | -7.82             |
| Middle  | 0    | 9 kHz to 150 kHz   | -57.20      | -56.24        | -36.01      | -20.23            |
|         |      | 150 kHz to 30 MHz  | -48.36      | -47.40        | -26.01      | -21.39            |
|         |      | 30 MHz to 858 MHz  | -43.05      | -42.90        | -16.01      | -26.89            |
|         |      | 858 MHz to 868 MHz | -31.38      | -34.42        | -16.01      | -15.37            |
|         |      | 895 MHz to 1 GHz   | -40.79      | -41.91        | -16.01      | -24.78            |
|         |      | 1 GHz to 10 GHz    | -23.32      | -23.56        | -16.01      | -7.31             |
|         | 1    | 9 kHz to 150 kHz   | -54.42      | -55.81        | -36.01      | -18.41            |
|         |      | 150 kHz to 30 MHz  | -48.11      | -48.37        | -26.01      | -22.10            |
|         |      | 30 MHz to 858 MHz  | -42.67      | -42.68        | -16.01      | -26.66            |
|         |      | 858 MHz to 868 MHz | -32.61      | -33.09        | -16.01      | -16.60            |
|         |      | 895 MHz to 1 GHz   | -38.12      | -37.92        | -16.01      | -21.91            |
|         |      | 1 GHz to 10 GHz    | -24.03      | -23.89        | -16.01      | -7.88             |
| High    | 0    | 9 kHz to 150 kHz   | -57.15      | <b>-56.22</b> | -36.01      | -20.21            |
|         |      | 150 kHz to 30 MHz  | -48.87      | <b>-48.02</b> | -26.01      | -22.01            |
|         |      | 30 MHz to 858 MHz  | -42.92      | <b>-43.05</b> | -16.01      | -26.91            |
|         |      | 858 MHz to 868 MHz | -34.77      | <b>-35.45</b> | -16.01      | -18.76            |
|         |      | 895 MHz to 1 GHz   | -36.95      | <b>-36.57</b> | -16.01      | -20.56            |
|         |      | 1 GHz to 10 GHz    | -23.55      | <b>-23.30</b> | -16.01      | <b>-7.29</b>      |
|         | 1    | 9 kHz to 150 kHz   | -56.37      | -56.56        | -36.01      | -20.36            |
|         |      | 150 kHz to 30 MHz  | -48.72      | -48.31        | -26.01      | -22.30            |
|         |      | 30 MHz to 858 MHz  | -42.70      | -42.60        | -16.01      | -26.59            |
|         |      | 858 MHz to 868 MHz | -34.07      | -33.38        | -16.01      | -17.37            |
|         |      | 895 MHz to 1 GHz   | -33.87      | -33.59        | -16.01      | -17.58            |
|         |      | 1 GHz to 10 GHz    | -23.81      | -23.72        | -16.01      | -7.71             |

**Table 8-232. Conducted Spurious Emission Summary Data (LTE B5\_2C\_5M+5M\_2T)**

|                                          |                                                                                     |                                       |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |                                                                                       | Page 205 of 394                   |

| Channel | Port | Measurement Range  | Level (dBm) |               | Limit (dBm) | Worst Margin (dB) |
|---------|------|--------------------|-------------|---------------|-------------|-------------------|
|         |      |                    | QPSK        | 16QAM         |             |                   |
| Middle  | 0    | 9 kHz to 150 kHz   | -57.18      | <b>-56.62</b> | -36.01      | -20.61            |
|         |      | 150 kHz to 30 MHz  | -51.59      | <b>-51.83</b> | -26.01      | -25.58            |
|         |      | 30 MHz to 858 MHz  | -42.34      | <b>-42.60</b> | -16.01      | -26.33            |
|         |      | 858 MHz to 868 MHz | -29.89      | <b>-29.65</b> | -16.01      | -13.64            |
|         |      | 895 MHz to 1 GHz   | -37.18      | <b>-36.74</b> | -16.01      | -20.73            |
|         |      | 1 GHz to 10 GHz    | -23.11      | <b>-22.65</b> | -16.01      | <b>-6.64</b>      |
|         | 1    | 9 kHz to 150 kHz   | -57.15      | -56.43        | -36.01      | -20.42            |
|         |      | 150 kHz to 30 MHz  | -52.05      | -52.48        | -26.01      | -26.04            |
|         |      | 30 MHz to 858 MHz  | -42.50      | -42.67        | -16.01      | -26.49            |
|         |      | 858 MHz to 868 MHz | -27.96      | -27.47        | -16.01      | -11.46            |
|         |      | 895 MHz to 1 GHz   | -33.79      | -33.52        | -16.01      | -17.51            |
|         |      | 1 GHz to 10 GHz    | -23.59      | -23.44        | -16.01      | -7.43             |

**Table 8-233. Conducted Spurious Emission Summary Data (LTE B5\_3C\_5M+10M+10M\_2T)**

| Channel | Port | Measurement Range  | Level (dBm)   | Limit (dBm) | Worst Margin (dB) |
|---------|------|--------------------|---------------|-------------|-------------------|
|         |      |                    | QPSK          |             |                   |
| Middle  | 0    | 9 kHz to 150 kHz   | <b>-53.38</b> | -36.01      | -17.37            |
|         |      | 150 kHz to 30 MHz  | <b>-48.78</b> | -26.01      | -22.77            |
|         |      | 30 MHz to 858 MHz  | <b>-41.18</b> | -16.01      | -25.17            |
|         |      | 858 MHz to 868 MHz | <b>-26.72</b> | -16.01      | -10.71            |
|         |      | 895 MHz to 1 GHz   | <b>-35.38</b> | -16.01      | -19.37            |
|         |      | 1 GHz to 10 GHz    | <b>-22.99</b> | -16.01      | <b>-6.98</b>      |
|         | 1    | 9 kHz to 150 kHz   | -52.59        | -36.01      | -16.58            |
|         |      | 150 kHz to 30 MHz  | -48.42        | -26.01      | -22.41            |
|         |      | 30 MHz to 858 MHz  | -42.33        | -16.01      | -26.32            |
|         |      | 858 MHz to 868 MHz | -24.02        | -16.01      | -8.01             |
|         |      | 895 MHz to 1 GHz   | -31.92        | -16.01      | -15.91            |
|         |      | 1 GHz to 10 GHz    | -23.64        | -16.01      | -7.63             |

**Table 8-234. Conducted Spurious Emission Summary Data (LTE B5\_2NC\_5M+5M\_2T)**

|                                          |                                                                                     |                                       |  |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|--|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |  |                                                                                       | Page 206 of 394                   |

| DSS Ratio    | Channel | Port | Measurement Range  | Level (dBm) |        |        |        | Limit (dBm) | Worst Margin (dB) |
|--------------|---------|------|--------------------|-------------|--------|--------|--------|-------------|-------------------|
|              |         |      |                    | QPSK        | 16QAM  | 64QAM  | 256QAM |             |                   |
| LTE 9 : NR 1 | Low     | 0    | 9 kHz to 150 kHz   | -57.03      | -53.47 | -54.96 | -55.07 | -36.01      | -17.46            |
|              |         |      | 150 kHz to 30 MHz  | -48.73      | -48.71 | -48.50 | -49.21 | -26.01      | -22.49            |
|              |         |      | 30 MHz to 858 MHz  | -42.68      | -43.04 | -43.07 | -43.11 | -16.01      | -26.67            |
|              |         |      | 858 MHz to 868 MHz | -25.80      | -27.28 | -25.63 | -25.36 | -16.01      | -9.35             |
|              |         |      | 895 MHz to 1 GHz   | -40.05      | -40.35 | -39.99 | -40.36 | -16.01      | -23.98            |
|              |         |      | 1 GHz to 10 GHz    | -23.53      | -22.79 | -23.06 | -23.36 | -16.01      | -6.78             |
|              |         | 1    | 9 kHz to 150 kHz   | -55.86      | -55.51 | -54.51 | -54.90 | -36.01      | -18.50            |
|              |         |      | 150 kHz to 30 MHz  | -48.22      | -48.20 | -48.74 | -48.48 | -26.01      | -22.19            |
|              |         |      | 30 MHz to 858 MHz  | -42.65      | -42.63 | -42.61 | -42.66 | -16.01      | -26.60            |
|              |         |      | 858 MHz to 868 MHz | -25.62      | -25.25 | -25.53 | -24.43 | -16.01      | -8.42             |
|              |         |      | 895 MHz to 1 GHz   | -38.41      | -36.89 | -38.17 | -39.03 | -16.01      | -20.88            |
|              |         |      | 1 GHz to 10 GHz    | -23.92      | -23.56 | -23.99 | -24.01 | -16.01      | -7.55             |
|              | Middle  | 0    | 9 kHz to 150 kHz   | -56.79      | -54.50 | -55.50 | -56.45 | -36.01      | -18.49            |
|              |         |      | 150 kHz to 30 MHz  | -48.99      | -48.89 | -48.61 | -48.78 | -26.01      | -22.59            |
|              |         |      | 30 MHz to 858 MHz  | -43.24      | -43.10 | -43.07 | -42.90 | -16.01      | -26.89            |
|              |         |      | 858 MHz to 868 MHz | -32.50      | -32.76 | -34.32 | -33.10 | -16.01      | -16.49            |
|              |         |      | 895 MHz to 1 GHz   | -40.51      | -40.33 | -40.56 | -39.48 | -16.01      | -23.47            |
|              |         |      | 1 GHz to 10 GHz    | -23.01      | -23.35 | -23.20 | -23.20 | -16.01      | -7.00             |
|              |         | 1    | 9 kHz to 150 kHz   | -55.42      | -54.68 | -55.76 | -55.65 | -36.01      | -18.67            |
|              |         |      | 150 kHz to 30 MHz  | -48.63      | -48.33 | -48.28 | -48.41 | -26.01      | -22.27            |
|              |         |      | 30 MHz to 858 MHz  | -42.66      | -42.90 | -42.73 | -42.61 | -16.01      | -26.60            |
|              |         |      | 858 MHz to 868 MHz | -30.40      | -32.86 | -31.71 | -30.49 | -16.01      | -14.39            |
|              |         |      | 895 MHz to 1 GHz   | -37.31      | -38.63 | -36.53 | -38.31 | -16.01      | -20.52            |
|              |         |      | 1 GHz to 10 GHz    | -23.96      | -24.05 | -23.84 | -23.91 | -16.01      | -7.83             |
|              | High    | 0    | 9 kHz to 150 kHz   | -56.10      | -55.50 | -56.17 | -56.76 | -36.01      | -19.49            |
|              |         |      | 150 kHz to 30 MHz  | -48.94      | -49.18 | -48.71 | -48.81 | -26.01      | -22.70            |
|              |         |      | 30 MHz to 858 MHz  | -43.29      | -43.34 | -43.19 | -43.20 | -16.01      | -27.18            |
|              |         |      | 858 MHz to 868 MHz | -34.25      | -35.19 | -33.63 | -33.60 | -16.01      | -17.58            |
|              |         |      | 895 MHz to 1 GHz   | -34.32      | -37.60 | -33.13 | -32.06 | -16.01      | -16.05            |
|              |         |      | 1 GHz to 10 GHz    | -23.39      | -23.31 | -23.32 | -23.59 | -16.01      | -7.30             |
|              |         | 1    | 9 kHz to 150 kHz   | -56.39      | -53.36 | -54.92 | -56.29 | -36.01      | -17.35            |
|              |         |      | 150 kHz to 30 MHz  | -48.54      | -48.24 | -48.91 | -48.63 | -26.01      | -22.23            |
|              |         |      | 30 MHz to 858 MHz  | -42.61      | -42.66 | -42.83 | -42.95 | -16.01      | -26.60            |
|              |         |      | 858 MHz to 868 MHz | -32.28      | -33.18 | -29.63 | -32.30 | -16.01      | -13.62            |
|              |         |      | 895 MHz to 1 GHz   | -30.93      | -32.73 | -30.22 | -30.56 | -16.01      | -14.21            |
|              |         |      | 1 GHz to 10 GHz    | -23.31      | -23.73 | -23.69 | -23.72 | -16.01      | -7.30             |

**Table 8-235. Conducted Spurious Emission Summary Data (DSS B(n)5\_1C\_10M(9:1 Ratio)\_2T)**

|                                          |                                                                                     |                                       |  |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|--|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |  |                                                                                       | Page 207 of 394                   |

| DSS Ratio    | Channel | Port | Measurement Range  | Level (dBm) |        |        |        | Limit (dBm) | Worst Margin (dB) |
|--------------|---------|------|--------------------|-------------|--------|--------|--------|-------------|-------------------|
|              |         |      |                    | QPSK        | 16QAM  | 64QAM  | 256QAM |             |                   |
| LTE 8 : NR 2 | Low     | 0    | 9 kHz to 150 kHz   | -51.78      | -51.93 | -53.86 | -53.95 | -36.01      | -15.77            |
|              |         |      | 150 kHz to 30 MHz  | -49.11      | -48.76 | -48.22 | -48.70 | -26.01      | -22.20            |
|              |         |      | 30 MHz to 858 MHz  | -42.91      | -43.06 | -43.05 | -42.85 | -16.01      | -26.84            |
|              |         |      | 858 MHz to 868 MHz | -26.66      | -26.79 | -27.49 | -25.78 | -16.01      | -9.76             |
|              |         |      | 895 MHz to 1 GHz   | -39.34      | -39.55 | -40.83 | -40.76 | -16.01      | -23.33            |
|              |         |      | 1 GHz to 10 GHz    | -23.33      | -23.45 | -23.13 | -23.17 | -16.01      | -7.12             |
|              |         | 1    | 9 kHz to 150 kHz   | -52.75      | -51.69 | -51.48 | -51.42 | -36.01      | -15.41            |
|              |         |      | 150 kHz to 30 MHz  | -48.81      | -48.56 | -48.31 | -48.47 | -26.01      | -22.30            |
|              |         |      | 30 MHz to 858 MHz  | -42.77      | -42.43 | -42.73 | -42.85 | -16.01      | -26.42            |
|              |         |      | 858 MHz to 868 MHz | -25.91      | -25.02 | -26.21 | -24.65 | -16.01      | -8.64             |
|              |         |      | 895 MHz to 1 GHz   | -39.01      | -38.47 | -35.83 | -39.35 | -16.01      | -19.82            |
|              |         |      | 1 GHz to 10 GHz    | -23.41      | -23.56 | -23.50 | -23.65 | -16.01      | -7.40             |
|              | Middle  | 0    | 9 kHz to 150 kHz   | -53.12      | -52.93 | -54.54 | -53.40 | -36.01      | -16.92            |
|              |         |      | 150 kHz to 30 MHz  | -49.17      | -49.11 | -47.92 | -48.75 | -26.01      | -21.91            |
|              |         |      | 30 MHz to 858 MHz  | -43.20      | -42.99 | -43.13 | -42.98 | -16.01      | -26.97            |
|              |         |      | 858 MHz to 868 MHz | -33.04      | -32.71 | -30.55 | -33.91 | -16.01      | -14.53            |
|              |         |      | 895 MHz to 1 GHz   | -39.64      | -40.18 | -39.84 | -40.64 | -16.01      | -23.63            |
|              |         |      | 1 GHz to 10 GHz    | -23.17      | -23.49 | -22.98 | -23.31 | -16.01      | -6.97             |
|              |         | 1    | 9 kHz to 150 kHz   | -55.30      | -53.50 | -53.94 | -52.77 | -36.01      | -16.76            |
|              |         |      | 150 kHz to 30 MHz  | -48.77      | -48.49 | -47.82 | -48.82 | -26.01      | -21.81            |
|              |         |      | 30 MHz to 858 MHz  | -42.77      | -42.84 | -42.85 | -42.91 | -16.01      | -26.76            |
|              |         |      | 858 MHz to 868 MHz | -30.53      | -32.06 | -32.93 | -31.64 | -16.01      | -14.52            |
|              |         |      | 895 MHz to 1 GHz   | -36.63      | -38.36 | -36.76 | -37.69 | -16.01      | -20.62            |
|              |         |      | 1 GHz to 10 GHz    | -23.72      | -23.67 | -23.81 | -23.99 | -16.01      | -7.66             |
|              | High    | 0    | 9 kHz to 150 kHz   | -53.37      | -53.99 | -53.93 | -52.36 | -36.01      | -16.35            |
|              |         |      | 150 kHz to 30 MHz  | -49.14      | -48.35 | -48.81 | -49.28 | -26.01      | -22.34            |
|              |         |      | 30 MHz to 858 MHz  | -43.27      | -42.90 | -43.14 | -42.87 | -16.01      | -26.86            |
|              |         |      | 858 MHz to 868 MHz | -34.21      | -36.30 | -33.75 | -34.01 | -16.01      | -17.74            |
|              |         |      | 895 MHz to 1 GHz   | -33.95      | -36.98 | -34.58 | -32.87 | -16.01      | -16.86            |
|              |         |      | 1 GHz to 10 GHz    | -23.24      | -23.51 | -23.41 | -23.35 | -16.01      | -7.23             |
|              |         | 1    | 9 kHz to 150 kHz   | -52.41      | -50.95 | -52.81 | -53.17 | -36.01      | -14.94            |
|              |         |      | 150 kHz to 30 MHz  | -48.59      | -48.51 | -48.15 | -48.33 | -26.01      | -22.14            |
|              |         |      | 30 MHz to 858 MHz  | -42.73      | -42.91 | -42.65 | -42.79 | -16.01      | -26.64            |
|              |         |      | 858 MHz to 868 MHz | -31.97      | -33.70 | -32.10 | -30.06 | -16.01      | -14.04            |
|              |         |      | 895 MHz to 1 GHz   | -30.91      | -32.69 | -31.50 | -28.55 | -16.01      | -12.54            |
|              |         |      | 1 GHz to 10 GHz    | -23.97      | -23.54 | -23.68 | -23.66 | -16.01      | -7.53             |

**Table 8-236. Conducted Spurious Emission Summary Data (DSS B(n)5\_1C\_10M(8:2 Ratio)\_2T)**

|                                          |                                                                                     |                                       |                                                                                       |                                   |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------|
| FCC ID: A3LRF4461D-13A                   |  | MEASUREMENT REPORT<br>(CERTIFICATION) |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>8K23040701-00-R2.A3L | Test Dates:<br>04/12/2023 - 05/26/2023                                              | EUT Type:<br>RRU(RF4461d)             |                                                                                       | Page 208 of 394                   |