

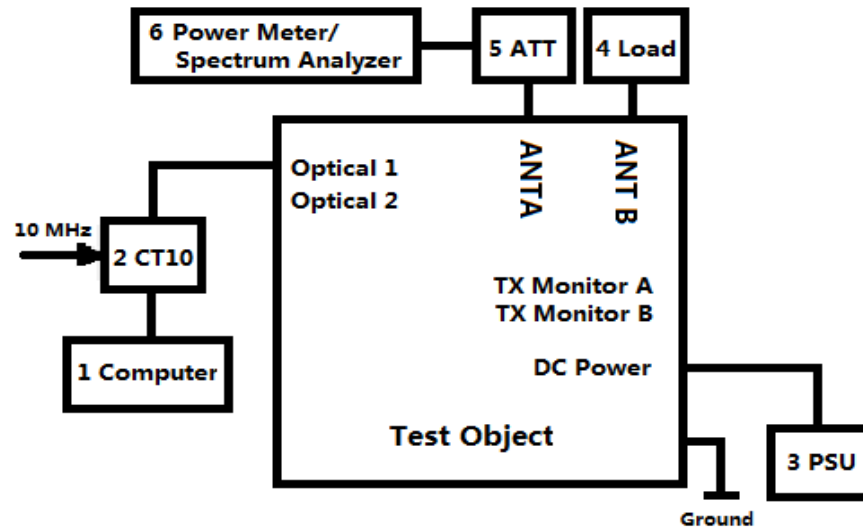
## Product Information

|                                                                                          |                                                                                                                    |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURING DESCRIPTION</b>                                                         | Remote Radio Unit                                                                                                  |
| <b>MANUFACTURER</b>                                                                      | Ericsson AB                                                                                                        |
| <b>PRODUCT NAME</b>                                                                      | Radio 2205 B46                                                                                                     |
| <b>PRODUCT NUMBER</b>                                                                    | KRC 161 609/1                                                                                                      |
| <b>TRANSMITTER OPERATING RANGE</b>                                                       | TX: 5155.8-5250MHz, 5725-5850MHz                                                                                   |
| <b>MODULATIONS</b>                                                                       | LTE: QPSK, 16QAM, 64QAM, 256QAM                                                                                    |
| <b>DESIGNATION OF EMISSION</b>                                                           | LTE: 20M0F9W                                                                                                       |
| <b>NUMBER OF CARRIERS</b>                                                                | Maximum 3 carriers                                                                                                 |
| <b>SUPPORTED CHANNEL BANDWIDTH CONFIGURATION</b>                                         | LTE: 20MHz                                                                                                         |
| <b>OUTPUT POWER (RMS) (W or dBm)</b>                                                     | Maximum 25dBm per port for all modes                                                                               |
| <b>OUTPUT POWER TOLERANCE</b>                                                            | -1.0dB ~ +1.0dB                                                                                                    |
| <b>NUMBER OF ANTENNA PORTS</b>                                                           | 2 TX ports                                                                                                         |
| <b>FCC ID</b>                                                                            | TA8AKRC161609-1                                                                                                    |
| <b>Power source</b>                                                                      | 36V DC                                                                                                             |
| <b>TECHNICAL DESCRIPTION<br/>(a brief description of the intended use and operation)</b> | The equipment is the Remote Radio Part of LTE-LAA Base Station.                                                    |
| <b>Test Specification</b>                                                                | FCC CFR 47 Part 15:2016<br>ANSI C63.4: 2014<br>ANSI C63.10: 2013<br>KDB 789033 D02 v01r04<br>KDB 662911 D01 v02r01 |

**In this test plan, the abbreviations are defined as below:**

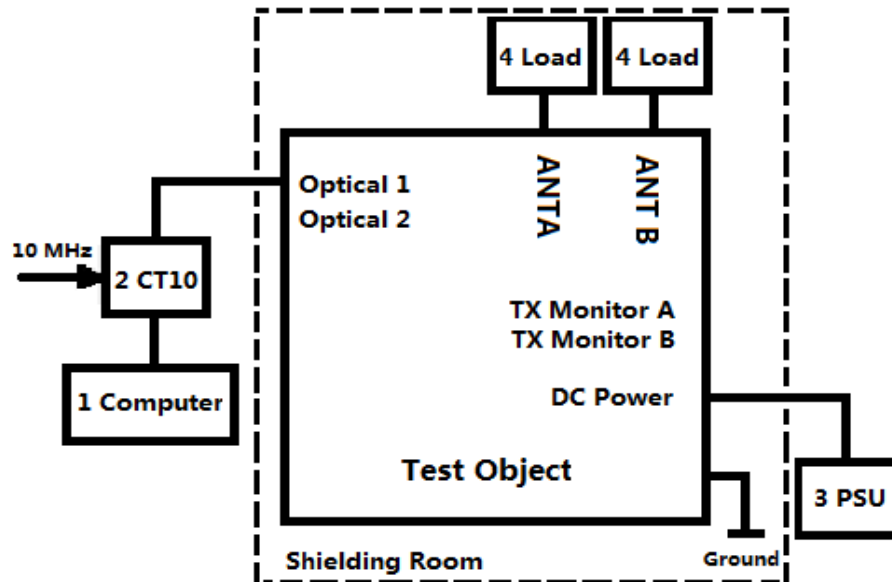
|      |                                |
|------|--------------------------------|
| B    | Bottom Channel                 |
| BW   | Bandwidth                      |
| C    | Carrier(s)                     |
| C1   | Carrier 1                      |
| C2   | Carrier 2                      |
| C3   | Carrier 3                      |
| CBW  | Carrier Bandwidth              |
| CN   | Carrier Number                 |
| FS   | Frequency Stability            |
| IBW  | Instantaneous Bandwidth        |
| L    | LTE                            |
| M    | Middle Channel                 |
| Max  | Maximum                        |
| MC   | Multi-Carriers                 |
| MIMO | Multiple Input Multiple Output |
| Mod  | Modulation                     |
| OBW  | Occupied Bandwidth             |
| QP   | QPSK                           |
| RAT  | Radio Access Technology        |
| SC   | Single Carrier                 |
| T    | Top Channel                    |
| UE   | Undesirable Emission           |

### Test Setup for Conducted Measurements:



Note:  
ATT: Attenuator  
PSU: Power Supply

### Test Setup for Radiated Measurements:



Note:  
ATT: Attenuator  
PSU: Power Supply

**A brief summary shows the test summary for Radio 2205 B46 5155.8-5250 RF testing as below:**

| Spec Clause                        | Test Description               | Configuration A: 23.5dBm maximum conducted output power (can be equipped with directional 10.5dBi Antenna) | Configuration B: 28dBm maximum conducted output power (can be equipped with 6dBi Omni Antenna) |
|------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Part 15</b>                     |                                |                                                                                                            |                                                                                                |
| 15.407 (a)                         | Maximum Output Power           | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a)(i)                      | Outdoor maximum EIRP           | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a)                         | Maximum Power Spectral Density | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a) (5)                     | 26db Bandwidth                 | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a) (5)                     | 99% Occupied Bandwidth         | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (b) ,<br>15. 205,<br>15.209 | Undesirable Emission           | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (g)                         | Frequency Stability            | Yes                                                                                                        | Yes                                                                                            |
| -                                  |                                |                                                                                                            |                                                                                                |

N/A - Not Applicable

**A brief summary shows the test summary for Radio 2205 B46 5725-5850 RF testing as below:**

| Spec Clause                        | Test Description               | Configuration A: 23.5dBm maximum conducted output power (can be equipped with directional 10.5dBi Antenna) | Configuration B: 28dBm maximum conducted output power (can be equipped with 6dBi Omni Antenna) |
|------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Part 15</b>                     |                                |                                                                                                            |                                                                                                |
| 15.407 (a)                         | Maximum Output Power           | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a)                         | Maximum Power Spectral Density | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a) (5)                     | 26db Bandwidth                 | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (a) (5)                     | 99% Occupied Bandwidth         | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (e)                         | 6dB bandwidth                  | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (b) ,<br>15. 205,<br>15.209 | Undesirable Emission           | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (b)(4)                      | Band edge                      | Yes                                                                                                        | Yes                                                                                            |
| 15.407 (g)                         | Frequency Stability            | Yes                                                                                                        | Yes                                                                                            |
| -                                  |                                |                                                                                                            |                                                                                                |

### Configuration Information

| Configuration Code | Carrier(s) | Configuration Description  | Frequencies Allocation               | Note                                                                                      |
|--------------------|------------|----------------------------|--------------------------------------|-------------------------------------------------------------------------------------------|
| L-MIMO-SC          | 1C         | LTE MIMO, Single Carrier   | Frequencies Table for LTE Single RAT | SC                                                                                        |
| L-MIMO-MC 1        | 2C         | LTE MIMO, Multi Carrier x2 | Frequencies Table for LTE Single RAT | TC2 (Contiguous CA or non-CA) & NTC2 (Non-contiguous CA or non-CA) & ETC2 (Contiguous CA) |
| L-MIMO-MC 2        | 3C         | LTE MIMO, Multi Carrier x3 | Frequencies Table for LTE Single RAT | TC2 (Contiguous CA or non-CA) & ETC2 (Contiguous CA)                                      |

#### Note for configurations and frequency allocations:

The configurations(such as TC2 and NTC2) in chapter 5 of 3GPP TS 37.141 V11.13.0(2016-01) were used to perform the power, spurious emission and occupied bandwidth measurements for this product. Meanwhile, the frequency allocations for configurations of LTE modes , were compliance with the definition in chapter 4.8 of 3GPP TS 37.141 V11.13.0(2016-01).

According to the information from manufacturer, LTE operation can be configured to Carrier Aggregation(CA), and the maximum CA bandwidth is 60MHz.

In the below tables, the units of frequencies, CBW(channel bandwidth), IBW(intantaneous bandwidth) are megahertz(MHz) unless otherwise stated.

| Frequencies Table for LTE Single RAT |              |              |    |                                                                             |         |         |            |         |         |                       |         |         |                |         |         |
|--------------------------------------|--------------|--------------|----|-----------------------------------------------------------------------------|---------|---------|------------|---------|---------|-----------------------|---------|---------|----------------|---------|---------|
| LTE MIMO                             |              |              |    | Maximum Output Power,<br>Power Spectral Density (All Mod)<br>EIRP (All Mod) |         |         | FS(SC, QP) |         |         | 26dB BW (SC, All Mod) |         |         | UE(Worst case) |         |         |
|                                      | IBW<br>(MHz) | CBW<br>(MHz) | CN | B                                                                           | M       | T       | B          | M       | T       | B                     | M       | T       | B              | M       | T       |
| Single Carrier                       | N/A          | 20.0         | C1 | 5180.00                                                                     | 5220.00 | 5240.00 | 5180.00    | 5220.00 | 5240.00 | 5180.00               | 5220.00 | 5240.00 | 5180.00        | 5220.00 | 5240.00 |
| Multi-Carrier (1x2)<br>TC2 & NTC2    | 60.0         | 20.0         | C1 | 5180.00                                                                     |         | 5200.00 |            |         |         |                       |         |         | 5180.00        |         | 5200.00 |
|                                      |              |              | C2 | 5220.00                                                                     |         | 5240.00 |            |         |         |                       |         |         | 5220.00        |         | 5240.00 |
| Multi-Carrier (1x3)<br>TC2           | 60.0         | 20.0         | C1 | 5180.00                                                                     |         | 5200.00 |            |         |         |                       |         |         | 5180.00        |         | 5200.00 |
|                                      |              |              | C2 | 5200.00                                                                     |         | 5220.00 |            |         |         |                       |         |         | 5200.00        |         | 5220.00 |
|                                      |              |              | C3 | 5220.00                                                                     |         | 5240.00 |            |         |         |                       |         |         | 5220.00        |         | 5240.00 |

| 5745.0                            | 5785.0       | 5825.0       | Frequencies Table for LTE Single RAT |                                                           |         |         |            |         |         |                                |         |         |                |         |         |
|-----------------------------------|--------------|--------------|--------------------------------------|-----------------------------------------------------------|---------|---------|------------|---------|---------|--------------------------------|---------|---------|----------------|---------|---------|
| LTE MIMO                          |              |              |                                      | Maximum Output Power,<br>Power Spectral Density (All Mod) |         |         | FS(SC, QP) |         |         | 26 dB BW, 6 dB BW(SC, All Mod) |         |         | UE(Worst case) |         |         |
|                                   | IBW<br>(MHz) | CBW<br>(MHz) | CN                                   | B                                                         | M       | T       | B          | M       | T       | B                              | M       | T       | B              | M       | T       |
| Single Carrier                    | N/A          | 20.0         | C1                                   | 5745.00                                                   | 5785.00 | 5825.00 | 5745.00    | 5785.00 | 5825.00 | 5745.00                        | 5785.00 | 5825.00 | 5745.00        | 5785.00 | 5825.00 |
| Multi-Carrier (1x2)<br>TC2 & NTC2 | 60.0         | 20.0         | C1                                   | 5745.00                                                   | 5765.00 | 5785.00 |            |         |         |                                |         |         | 5745.00        | 5765.00 | 5785.00 |
|                                   |              |              | C2                                   | 5785.00                                                   | 5805.00 | 5825.00 |            |         |         |                                |         |         | 5785.00        | 5805.00 | 5825.00 |
| Multi-Carrier (1x3)<br>TC2        | 60.0         | 20.0         | C1                                   | 5745.00                                                   | 5765.00 | 5785.00 |            |         |         |                                |         |         | 5745.00        | 5765.00 | 5785.00 |
|                                   |              |              | C2                                   | 5765.00                                                   | 5785.00 | 5805.00 |            |         |         |                                |         |         | 5765.00        | 5785.00 | 5805.00 |
|                                   |              |              | C3                                   | 5785.00                                                   | 5805.00 | 5825.00 |            |         |         |                                |         |         | 5785.00        | 5805.00 | 5825.00 |