

## Annex 1: Measurement diagrams 18-1-0173201T46a-A1

|                                                                 |                                                                                                                                                                                                                                                                                                                                                  |                        |                 |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| <b>Number of pages:</b>                                         | 4                                                                                                                                                                                                                                                                                                                                                | <b>Date of Report:</b> | 2020-Oct-21     |
| <b>Testing company:</b>                                         | CETECOM GmbH<br>Im Teelbruch 116<br>45219 Essen Germany<br>Tel. + 49 (0) 20 54 / 95 19-0<br>Fax: + 49 (0) 20 54 / 95 19-150                                                                                                                                                                                                                      | <b>Applicant:</b>      | Actia Nordic AB |
| <b>Test Object /<br/>Tested Device(s):</b>                      | Telematics Device / 103250101                                                                                                                                                                                                                                                                                                                    |                        |                 |
| <b>FCC ID:</b>                                                  | 2AGKK103250101                                                                                                                                                                                                                                                                                                                                   |                        |                 |
| <b>Testing has been<br/>carried out in<br/>accordance with:</b> | <p><b>Title 47 CFR, Chapter I</b><br/><b>FCC Regulations, Subchapter A</b><br/>Subpart B: §15.109 (Class B limits)</p> <p><b>ISED Regulations</b><br/>ICES-003, Issue 6 (Class B limits)</p> <p>Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".</p> |                        |                 |

## 1 Measurement diagrams

### 3.01a\_laying

#### Common Information

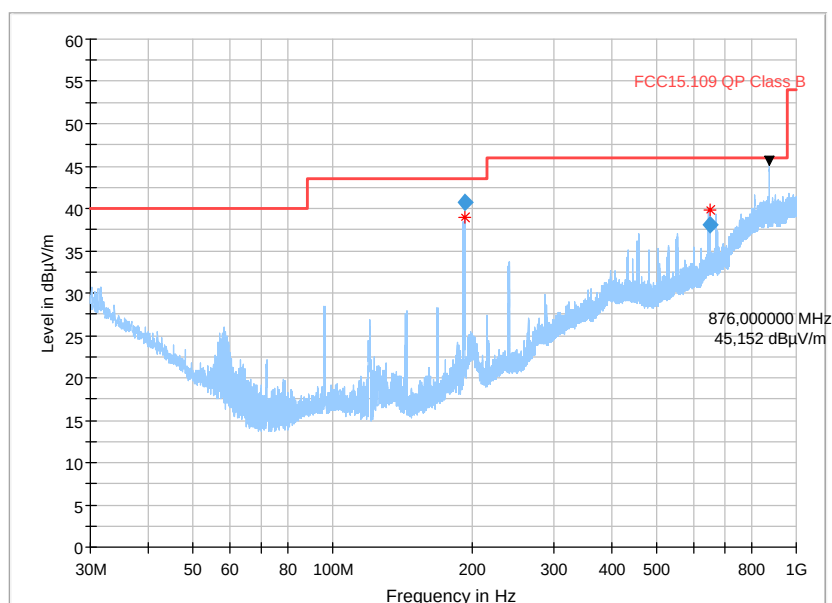
|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Test Description:          | Electric Field Strength Measurement                                 |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V9.25.0                                                       |
| Technical Data:            | please see page 2 for detailed data of measurement setup            |
| Test Standard.:            | FCC 15.109 Class B; RSS-Gen. Issue 5                                |
| Operator:                  | LKu                                                                 |
| Operating Mode:            | GSM 850 IDLE + CAN                                                  |
| Environmental Conditions.: | Humidity : 40% rH; Temperature: 20° C                               |
| Verdict:                   | Passed                                                              |

#### EUT Information

|               |                   |
|---------------|-------------------|
| PMT number:   | 18-1-01732S32     |
| Manufacturer: | ACTIA Nordic AB   |
| Product:      | Telematics Device |
| Model:        | 103250101         |

|                       |         |
|-----------------------|---------|
| HW version:           | H1      |
| SW version:           | 1       |
| Serial number:        | --      |
| Connected Interfaces: | --      |
| Power Supply:         | 12 V DC |

Full Spectrum



#### Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 192.490000      | 40.64              | 43.50          | 2.86        | 120.000         | 105.0       | V   | 43.0          | 11.5       |
| 650.120000      | 38.07              | 46.00          | 7.93        | 120.000         | 114.0       | H   | 116.0         | 23.2       |

## 3.01b\_standing

### Common Information

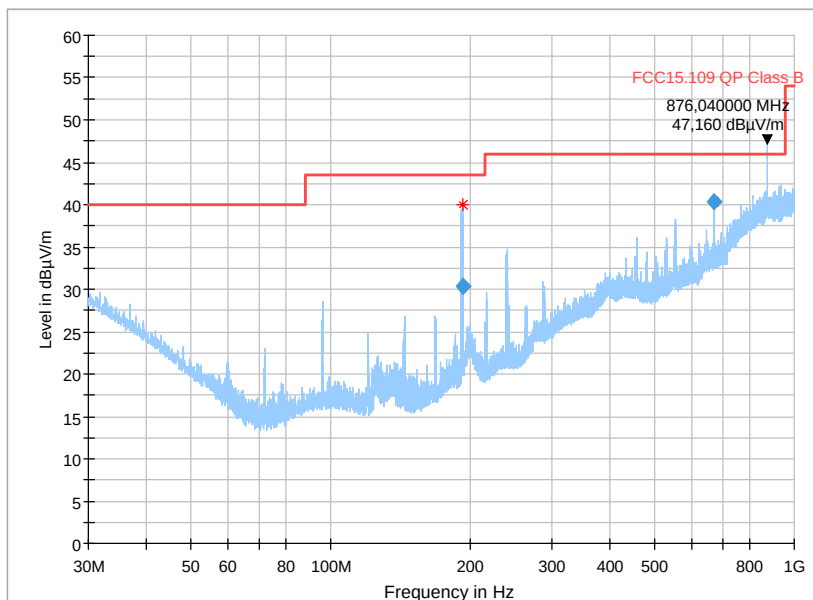
|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Test Description:          | Electric Field Strength Measurement                                 |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V9.25.0                                                       |
| Technical Data:            | please see page 2 for detailed data of measurement setup            |
| Test Standard.:            | FCC 15.109 Class B; RSS-Gen. Issue 5                                |
| Operator:                  | LKu                                                                 |
| Operating Mode:            | GSM 850 IDLE + CAN                                                  |
| Environmental Conditions.: | Humidity : 40% rH; Temperature: 20° C                               |
| Verdict:                   | Passed                                                              |

### EUT Information

|               |                   |
|---------------|-------------------|
| PMT number:   | 18-1-01732S32     |
| Manufacturer: | ACTIA Nordic AB   |
| Product:      | Telematics Device |
| Model:        | 103250101         |

|                       |         |
|-----------------------|---------|
| HW version:           | H1      |
| SW version:           | 1       |
| Serial number:        | --      |
| Connected Interfaces: | --      |
| Power Supply:         | 12 V DC |

Full Spectrum



### Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 193.240000      | 30.37              | 43.50          | 13.13       | 120.000         | 155.0       | V   | 0.0           | 11.5       |
| 671.300000      | 40.33              | 46.00          | 5.67        | 120.000         | 105.0       | H   | 117.0         | 23.3       |

# 4.01\_15B

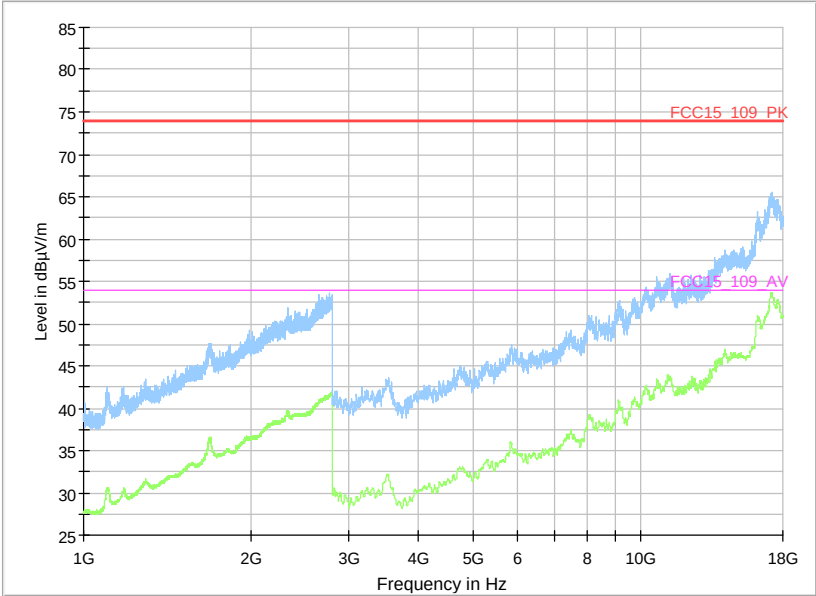
## Common Information

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Test Description:          | Electric Field Strength Measurement                                 |
| Test Site Location:        | Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V9.25.0                                                       |
| Technical Data:            | please see page 2 for detailed data of measurement setup            |
| Test Standard.:            | FCC 15.109 Class B; RSS-Gen. Issue 5                                |
| Operator:                  | LKu                                                                 |
| Operating Mode:            | GSM 850 IDLE + CAN                                                  |
| Environmental Conditions.: | Humidity : 40% rH; Temperature: 20° C                               |
| Verdict:                   | Passed                                                              |

## EUT Information

|                       |                   |
|-----------------------|-------------------|
| PMT number:           | 18-1-01732S32     |
| Manufacturer:         | ACTIA Nordic AB   |
| Product:              | Telematics Device |
| Model:                | 103250101         |
| -----                 |                   |
| HW version:           | H1                |
| SW version:           | 1                 |
| Serial number:        | --                |
| Connected Interfaces: | --                |
| Power Supply:         | 12 V DC           |

Full Spectrum



# End Of Annex 1