

Annex 1: Measurement diagrams to  
**TEST REPORT**  
No: 17-1-0133808T05a-C1

According to:  
**FCC Regulations Part 15B**  
Part 15.109 (Class B limits)

**ISED-Regulations**  
ICES-003, Issue 6

for

**WITTE - Velbert GmbH & Co. KG**

**DAG SDH TAG3 NFC**  
**Outer Door Handle with NFC**

FCC ID: V2T-SDHTAG3NFC

Laboratory Accreditation and Listings



Accredited EMC-Test Laboratory

accredited according to DIN EN ISO/IEC 17025

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## **Table of contents**

|                                                                             |          |
|-----------------------------------------------------------------------------|----------|
| <b>1. MEASUREMENT DIAGRAMS OF EMISSION TEST</b>                             | <b>3</b> |
| 1.1. Diagrams of radiated field strength emissions, 30 MHz - 1 GHz standing | 3        |
| 1.2. Diagrams of radiated field strength emissions, 30 MHz - 1 GHz laying   | 4        |

# 1. Measurement diagrams of emission test

## 1.1. Diagrams of radiated field strength emissions, 30 MHz - 1 GHz standing

### 3.01

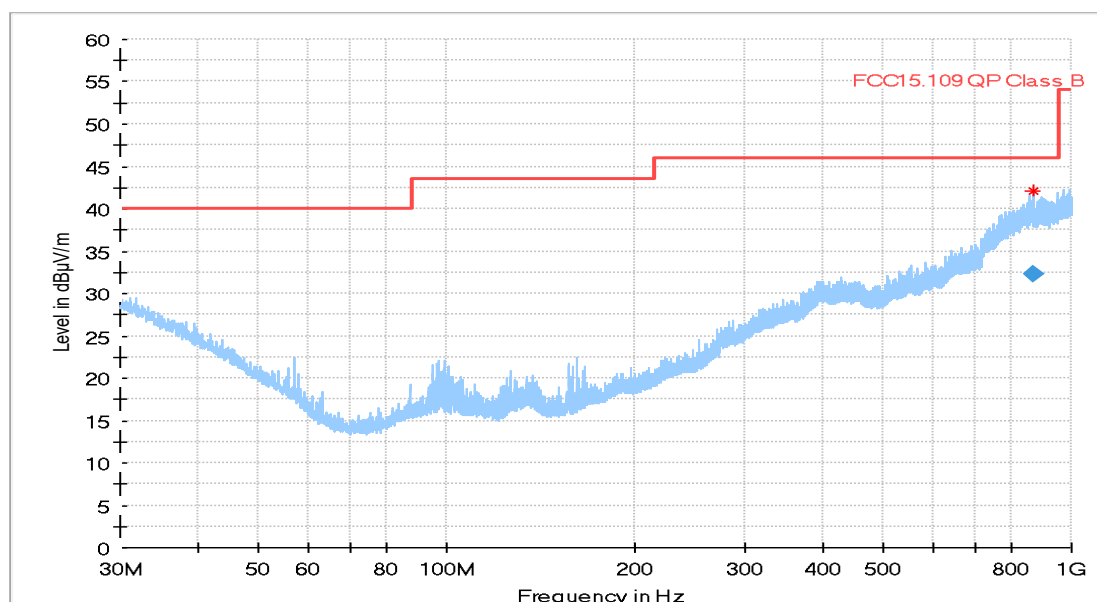
#### Common Information

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Test description:          | Electric Field Strength Measurement                                 |
| Test site and distance:    | Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V9.25.0                                                       |
| Distance correction:       | not used                                                            |
| Used filter:               | not used                                                            |
| Technical Data:            | please see page 2 for detailed data of measurement setup            |
| Test specification.:       | FCC 15.109 Class B; ICES-003. Issue 6                               |
| Operator:                  | HLA                                                                 |
| Operating Mode:            | ping mode                                                           |
| Environmental Conditions.: | Humidity : 48,3%rH; Temperature: 26,6°C                             |
| EUT Setup:                 | standing                                                            |
| Verdict:                   | Passed                                                              |

#### EUT Information

|                |                             |
|----------------|-----------------------------|
| Manufacturer:  | WITTE Velbert GmbH & Co. KG |
| Product:       | DAG SDH TAG3 NFC            |
| EUT Model:     | Outer Door Handle with NFC  |
| Serial number: | 191004-03                   |
| SW:            | 19.28.11                    |
| HW:            | 19.45.00                    |

Full Spectrum



#### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 869.640000      | 32.28              | 46.00          | 13.72       | 120.000         | 368.0       | H   | 138.0         | 26.8       |

## 1.2. Diagrams of radiated field strength emissions, 30 MHz - 1 GHz laying

### 3.02

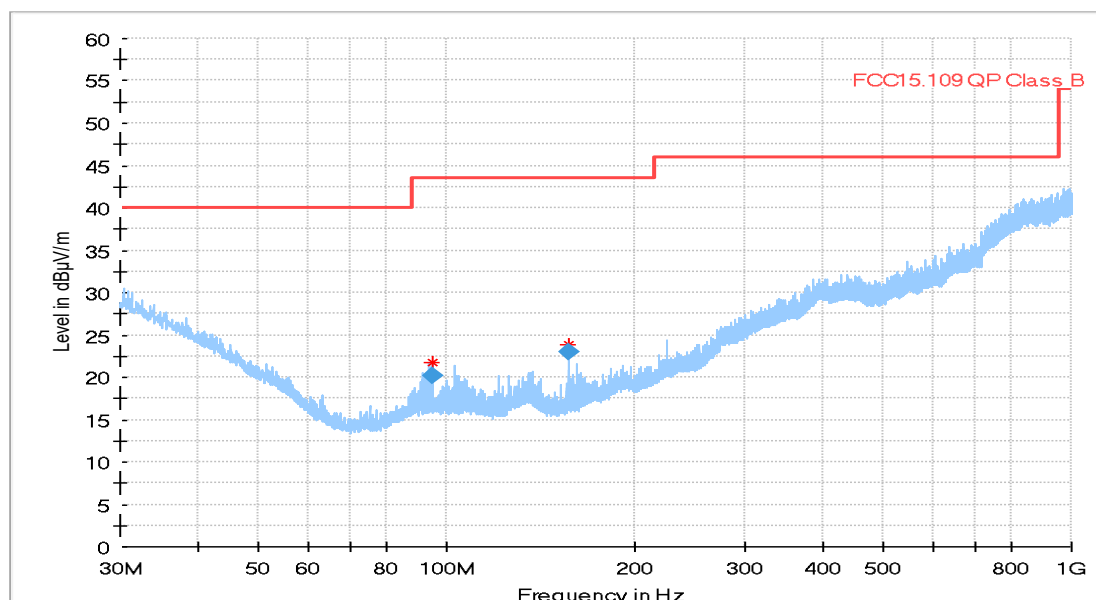
#### Common Information

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Test description:          | Electric Field Strength Measurement                                 |
| Test site and distance:    | Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance |
| Version of Testsoftware:   | EMC32 V9.25.0                                                       |
| Distance correction:       | not used                                                            |
| Used filter:               | not used                                                            |
| Technical Data:            | please see page 2 for detailed data of measurement setup            |
| Test specification.:       | FCC 15.109 Class B; ICES-003. Issue 6                               |
| Operator:                  | HLA                                                                 |
| Operating Mode:            | ping mode                                                           |
| Environmental Conditions.: | Humidity : 47,0%rH; Temperature: 26,7°C                             |
| EUT Setup:                 | laying                                                              |
| Verdict:                   | Passed                                                              |

#### EUT Information

|                |                             |
|----------------|-----------------------------|
| Manufacturer:  | WITTE Velbert GmbH & Co. KG |
| Product:       | DAG SDH TAG3 NFC            |
| EUT Model:     | Outer Door Handle with NFC  |
| Serial number: | 191004-03                   |
| SW:            | 19.28.11                    |
| HW:            | 19.45.00                    |

Full Spectrum



#### Final Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-------------|-----|---------------|------------|
| 95.000000       | 20.26              | 43.50          | 23.24       | 120.000         | 360.0       | H   | 0.0           | 8.2        |
| 156.450000      | 23.05              | 43.50          | 20.45       | 120.000         | 197.0       | H   | 94.0          | 9.0        |

END OF ANNEX