



## Supplier's Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

**SDoC no.:** 2021-11  
**Issuer's name:** Narda Safety Test Solutions GmbH (manufacturer)  
**Issuer's address:** Sandwiesenstr. 7, D-72793 Pfullingen, Germany

| Object of declaration: | Model No.   | Part No. | Designation                                       |
|------------------------|-------------|----------|---|
|                        | SignalShark | 3320/01  | SignalShark Remote Unit, built-in, single device  |
|                        | SignalShark | 3320/02  | SignalShark Remote Unit, 19", 1 HU, single device |
|                        | SignalShark | 3320/03  | SignalShark Remote Unit, 19", 1HU, dual device    |
|                        | Including:  | 3300/10  | Active Antenna Handle                             |
|                        |             | 3100/11  | Dir. Antenna 1, 20MHz-250MHz                      |
|                        |             | 3100/12  | Dir. Antenna 2, 200MHz-500MHz                     |
|                        |             | 3100/13  | Dir. Antenna 3, 400MHz-8GHz                       |
|                        |             | 3100/14  | Loop Antenna, 9kHz-30MHz                          |
|                        |             | 3360/01  | Automatic DF-Antenna 1                            |
|                        |             | 3361/01  | Automatic DF-Antenna 2                            |

**The object of the declaration described above is in conformity with the requirements of the following documents:**

| Documents No.     | Title   |
|-------------------|---|
| 2014/30/EU        | Directive of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (previously 2004/108/EC)  |
| EN 61326-1: 2013  | Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements  |
| 2014/35/EU        | Directive of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (previously 2006/95/EC) |
| EN 61010-1: 2010  | Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements  |
| 2011/65/EU (RoHS) | Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (previously 2002/95/EC)  |

**Signed for and on behalf of:** Narda Safety Test Solutions GmbH

**Place and date of issue:** Pfullingen, 2021-12-01

**Signature:**

**Name, function:**

  
Martin Meisenburg, Managing Director

## Annex – EMC

### of Supplier's Declaration of Conformity

**Relates to:** SDoC no. 2021-11

|                |                     |  |
|----------------|---------------------|--|
| <b>Object:</b> | SignalShark 3320/01 | SignalShark Remote Unit<br>built-in, single device   |
|                | SignalShark 3320/02 | SignalShark Remote Unit,<br>19", 1 HU, single device |
|                | SignalShark 3320/03 | SignalShark Remote Unit,<br>19", 1HU, dual device    |
|                | including: 3300/10  | Active Antenna Handle                                |
|                | 3100/11             | Dir. Antenna 1, 20MHz-250MHz                         |
|                | 3100/12             | Dir. Antenna 2, 200MHz-500MHz                        |
|                | 3100/13             | Dir. Antenna 3, 400MHz-8GHz                          |
|                | 3100/14             | Loop Antenna, H-Field, 9kHz-30MHz                    |
|                | 3360/01             | Automatic DF-Antenna 1                               |
|                | 3361/01             | Automatic DF-Antenna 2                               |

Conformance of the product with Directive 2014/30/EU (EMC Directive) is given according to the harmonized European standard: EN 61326-1: 2013

#### Tests according to EN 61326:

| Electromagnetic immunity   | Standard               | Test level, condition  |
|--|------------------------|--|
| Immunity to electrostatic discharge  | EN 61000-4-2           | 4 kV / 8 kV (criterion A)  |
| Immunity to radiated electromagnetic fields                                    | EN 61000-4-3           | 10 V/m for 80 MHz to 1 GHz<br>3 V/m for 1.4 GHz to 2 GHz<br>1 V/m for 2 GHz to 2.7 GHz<br>(criterion A)  |
| Fast transient common mode immunity<br>(on power supply port)                  | EN 61000-4-4           | 1kV / 2 kV (criterion A)   |
| Surge immunity   | EN 61000-4-5           | 1 kV / 1 kV (criterion A)  |
| Immunity to conducted high frequency<br>disturbances                           | EN 61000-4-6           | 3 V rms (criterion A)<br>150 kHz – 80 MHz  |
| Power frequency magnetic field immunity  | EN 61000-4-8           | 30 A/m (criterion A)   |
| Immunity to voltage dips, short-time<br>interruptions and voltage fluctuations | EN 61000-4-11          | 25 cycles (70 % supply voltage)<br>10 cycles (40 % supply voltage)<br>1 cycle (0 % supply voltage)<br>(criterion A)<br>250 cycles (0 % supply voltage) |
| Electromagnetic emission   | Standard               | Test level, condition  |
| Radiated emission  | EN 55011<br>(CISPR 11) | Class B  |
| Conducted emission   | EN 55011<br>(CISPR 11) | Class B  |
| Harmonic current emissions   | EN 61000-3-2           | Class A  |
| Voltage fluctuation and flicker  | EN 61000-3-3           | Short functional test  |