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**Report**

**Demonstration of Compliance  
of a  
2.4 GHz Remote Control System**

**According to the European Standard  
EN 50371**

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The test results only relate to the items tested.  
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approval of the testing laboratory.

## 1 Subject of Investigation

The 2.4 GHz Remote Control System from Jamara e. K. is a 2.4 GHz Radio Control System using a pre certified Remote - Module. The demonstration of compliance is shown according to the principles in the European standard EN 50371 [EN 50371].

## 2 Evaluation

### 2.1 Compliance Criteria

If the average power emitted by the device operating in the frequency range 10 MHz – 300 GHz is less than or equal to 20 mW average then the device is deemed to comply with the basic restrictions without testing. The averaging time is 6 minutes in the frequency range from 10 MHz to 10 GHz. The averaging time is equal to  $68/f^{1.05}$  minutes (where f is in GHz) in the frequency range 10 GHz to 300 GHz.

If the total supply power or the input power to the circuitry producing the greatest emissions in the device is less or equal to 20 mW it is assumed that the emitted power is less than 20 mW.

### 2.2 Assessment of emitted power

As stated in the Test Report from the IMST GmbH [6610\_739a] the measured conducted Peak-power of the 2.4 GHz Remote Control System is 20 dBm (100 mW). The possible average power is below the limit of 20 mW. The power levels of the device under test meet the compliance criteria of the European standard EN50371 [EN 50371].

### 2.3 Statement of compliance

**The 2.4 GHz Remote Control System from Jamara e. K. is in compliance with the European Council Recommendation [1999/519/EC]. The demonstration of compliance is shown according to the principles in the European standard EN 50371.**

prepared by: ..... reviewed by:.....

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### 3 References

- [EN 50371] European Standard EN 50371: Generic standard to demonstrate compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz) - General public, CENELEC, Brussels, 2002.
- [1999 519 EC] European Council Recommendation (1999/519/EC): Council Recommendation of July 12 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz), Official Journal L 199, 30/07/1999, 0059-0070.
- [IMST Test Report] Test Report Nr.: Test Report "Spurious emissions" Testreport No. 6610\_739a; IMST GmbH, Carl-Friedrich-Gauß-Str. 2, 47475 Kamp-Lintfort.

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