1 GENERAL INFORMATION

1.1 Product description

The UBRS*L1* is a receiver used with the UBET*1SL1 transmitter. It provides solutions for a wide range of simple industrial and building automation applications. This series offers a large number of transmitters and receivers providing different types and numbers of functions designed to meet the wide range of user requirements.
It incorporates numerous features and significant technological advances :

- European and American frequencies in the 400MHz band
- FM Radio link
- Simultaneous commands
- Programming of functions using jump switches or microswitches, thus ensuring numerous possibilities (identity codes, operating modes, command interlocking, relay number controlled by the transmitter, button number controlling receiver) depending on model.

The UBRS*L1* covers a complete range of models, which differ only by the power supply rating and the number of channels. The tested product (UBRS4L1TR) is the most complete model (4channels, power supply 115Vac) and it represents the worst case. Other models differ only by removing some components.

The receiver module (included in the product) is a standard commercial module made by RADIOMETRIX Ltd.
The reference is SILRX-433-A

See attachment A (product data sheet) for further description and technical features of the product submitted.

1.2 Related Submittal(s) / Grant(s)

Equipment is tested as a stand alone system.

1.3 Tested System Details

The receiver has been tested in stand alone mode; Only power cord and output cables were connected during the test.

1.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992, and FCC PART 15, Subpart B.
Radiated testing was performed at an antenna to EUT distance of 3 meters. During testing, equipment and cables were moved relative to each other in order to identify the worst case set-up.

1.5 Test facility

The test facility used to collect the radiated and conducted data is the SMEE Actions Mesures facility located ZI des Blanchisseries, 38500 VOIRON, France. This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-1992 in a letter dated August 04, 1999 (Registration number 94821).
This test facility has also been accredited by COFRAC (French accreditation authority for European union test lab accreditation organization), accreditation number 1-0844 as compliant with test site criteria and competence in EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.