



BALTECH AG
Lilienthalstrasse 27
Hallbergmoos
85399
GERMANY

FCC ID: OKY1005200251A02B

Class II Permissive Change Justificaton

This application is for a class II permissive change to the originally certified inductive tag reader

ACCESS45-M1415-5-232-LB-EQUITRAC.

The modifications compared to the certified unit are:

There are two options for the receiver input of the device: first a discrete AM-detector consisting of D690, R690 and C690. Second option is to use the built-in demodulator of U380.

Initially, the first option was used. The unit passed the tests, but a ferrite attached to the DC supply cable was necessary to achieve this.

Additional measurements showed that the source for the emissions were the harmonics of the carrier frequency generated by the Diode of the AM detector. By using the second option without the external demodulator, the unit stays below the limits even without a ferrite.

The necessary changes are:

D690, C690, R690: not mounted (nb).

C691: 100p->1n

R49: nb->6k8

C641: 15p->0R0

Note: Due to the modifications described above, a ferrite core as necessary for originally certified unit is not required anymore. Therefore grant note no. 20 should not be applicable for the modified unit.

Hallbergmoos,
Oct. 4th, 2006

A handwritten signature in black ink, appearing to read 'Juergen ROESCH', is written over a horizontal line.

Date Juergen ROESCH
 President