

INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING
(ICAR)

COMITÉ INTERNATIONAL POUR LE CONTRÔLE
DES PERFORMANCES EN ÉLEVAGE



INTERNATIONALES KOMITEE FÜR
LEISTUNGSPRÜFUNGEN IN DER TIERPRODUKTION

**Manufacturer
Address**

Sub-Committee for Animal Identification
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Place and date

Performance test of XXX transponder, ICAR product code YYYYYY

According to your request a test was carried out on 5 transponders randomly chosen among 50. The test procedure applied is laid down in ISO standard 24631 – 3 "Evaluation of the performance of ISO 11874 and ISO 11785 RFID transponders". The test was performed at CCCC, which is an ICAR approved test centre.

The objective of the test is to measure performance characteristics of the above said transponder. This can be obtained by measuring the **minimal activating magnetic field strength** needed for transmitting of the information and the **modulation amplitude**. Additional measurements are the **bit length stability** of the FDX-B transponders and the **frequency stability** of the HDX transponders.

The results are as follows (HDX):

Magnetic field strength (A/m)	Modulation amplitude (V)	Frequency stability F'1' (kHz)	Frequency stability F'0' (kHz)
Minimal activating field strength: 0.636	0.019	0.29	0.26
1 A/m	0.029	0.26	0.22
10 A/m	0.039	0.26	0.23
50 A/m	0.039	0.27	0.22

ICAR will publicly inform that the product has been performance tested.

ICAR also would like to make publicly available the main results of the test. This can be done only with the authorisation of the manufacturer. The manufacturer has the right to later withdraw the public availability of the results. If the manufacturer appreciates ICAR's publication of the main test results he should send an authorisation to the chairman of the Subcommittee for Animal Identification.

If there are any further questions, please feel free to contact me.

Sincerely yours,

Ole Klejs Hansen

Enclosure

cc: *SERVICE-ICAR, Mrs. Elena Couto*
Members of the ICAR Sub-Committee on Animal Identification
Secretariat ISO/TC23/SC19/WG3, Mr. P. Hogewerf, Innovative Modern Agriculture, Wageningen B.V. (IMA)