ISO 14982:1998-07 (E)

Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria

Contents

Page

1 Scope 1

2 Normative references 1

3 Definitions 2

4 Fulfilment of the requirements 4

5 Testing 4
5.1 Procedure 4
5.2 General requirements for immunity testing 4

6 Test/measurement methods and reference limits 5
6.1 Broadband electromagnetic emissions from machines 5
6.1.1 Method of measurement 5
6.1.2 Broadband reference limits 5
6.2 Narrowband electromagnetic emissions from machines 5
6.2.1 Method of measurement 5
6.2.2 Narrowband reference limits 5
6.3 Immunity of machines to electromagnetic radiation 5
6.3.1 Test method 5
6.3.2 Machine immunity reference limits 6
6.4 Broadband electromagnetic emissions radiated from ESA's 6
6.4.1 Method of measurement 6
6.4.2 ESA broadband reference limits 6
6.5 Narrowband electromagnetic emissions radiated from ESA's 6
6.5.1 Method of measurement 6
6.5.2 ESA narrowband reference limits 6
6.6 Immunity of ESA's to electromagnetic radiation 6
6.6.1 Test method 6
6.6.2 ESA immunity reference limits 7
6.7 Electrostatic discharge 7
6.7.1 Test method 7
6.7.2 Reference limits 7
6.8 Conducted transients 7
6.8.1 Method of testing 7
6.8.2 Reference limits 7

7 Exceptions 8

8 Test report 9

Annex A (normative) Reference limits 10

Annex B (normative) Method of measurement of radiated broadband electromagnetic emissions from machines 16

Annex C (normative) Method of measurement of radiated narrowband electromagnetic emissions from machines 21

Annex D (normative) Method of measurement of radiated broadband electromagnetic emissions from electrical/electronic sub-assemblies 24

Annex E (normative) Method of measurement of radiated narrowband electromagnetic emissions from electrical/electronic sub-assemblies 30

Annex F (informative) Guide for "worst case" selection 33

Annex G (informative) Specimen test report for electromagnetic compatibility 36

Annex H (informative) Bibliography 37