ISO 11452-8:2015-06 (E)

Road vehicles - Component test methods for electrical disturbances from narrowband radiated elect romagnetic energy - Part 8: Immunity to magnetic fields

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Test conditions 1
4.1 General 1
4.2 Frequency step sizes 2

5 Test location 2

6 Test apparatus description and specification 2
6.1 General 2
6.2 Field-generating device 3
6.2.1 Radiating loop 3
6.2.2 Helmholtz coil 3
6.3 Current monitor 4
6.4 Magnetic field strength monitor 4
6.5 Stimulation and monitoring of the DUT 5

7 Test set-up 5
7.1 General 5
7.2 Power supply 6
7.3 Location of the test harness and DUT 6
7.4 Radiating loop method 6
7.5 Helmholtz coil method 7

8 Test procedure 8
8.1 General 8
8.2 Test plan 8
8.3 Test method 9
8.3.1 Radiating loop method 9
8.3.2 Helmholtz coil method 12
8.4 Test report 13

Annex A (informative) Function performance status classification (FPSC) and test severity levels ... 14

Bibliography 17