

ISO 11452-3:2024-05 (E)

Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 3: Transverse electromagnetic (TEM) cell

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test conditions	1
5	Test apparatus	2
5.1	TEM cell	2
5.2	Instrumentation	3
5.3	Test set-up	4
5.3.1	General	4
5.3.2	Exposure of device under test and wiring harness (for major field coupling to the harness)	4
5.3.3	Exposure of device under test alone (for major field coupling to that device)	5
6	Test procedure	6
6.1	Test plan	6
6.2	Test method	7
6.2.1	General	7
6.2.2	Test level setting	7
6.2.3	DUT test	8
6.3	Test report	8
Annex A (informative)	TEM cell dimensions	9
Annex B (informative)	Calculations and measurements of TEM-cell frequency range	11
Annex C (informative)	Installation of external components and low pass filter design	13
Annex D (informative)	Test setup without low pass filters	16
Annex E (informative)	Function performance status classification (FPSC) and test severity levels	20
Bibliography		21