

ISO 11451-4:2022-05 (E)

Road vehicles - Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods

Contents		Page
	Foreword	iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test conditions	1
5	Test location	2
6	Test instrumentation	2
6.1	BCI test method.....	2
6.1.1	General.....	2
6.1.2	Injection probe.....	3
6.1.3	Current measurement probe.....	3
6.1.4	Stimulation and monitoring of the DUT.....	3
6.2	TWC test method.....	3
6.2.1	General.....	3
6.2.2	Tubular wave coupler.....	4
6.2.3	50 Ω load resistor.....	4
6.2.4	Stimulation and monitoring of the DUT.....	4
7	Test set-up	4
7.1	BCI Test methods.....	4
7.1.1	Substitution method.....	4
7.1.2	Closed-loop method with power limitation.....	5
7.2	TWC Test methods.....	6
8	Test procedure	7
8.1	General.....	7
8.2	Test plan.....	7
8.3	Test methods.....	8
8.3.1	BCI test method.....	8
8.3.2	Tubular wave coupler test method.....	10
8.4	Test report.....	11
	Annex A (normative) Calibration configuration (current injection probe calibration)	13
	Annex B (informative) Test set-up transfer impedance	15
	Annex C (informative) Function performance status classification (FPSC)	22