Number	Title
J551-1	Performance Levels and Methods of Measurement of Electromagnetic Compatibility of Vehicles, Boats (up to 15 m), and Machines (50 Hz to 18 GHz) *NOTE: Some tests now start at 15 Hz.*
J551-2	Test Limits and Methods of Measurement of Radio Disturbance Characteristics of Vehicles, Motorboats, and Spark-Ignited Engine Driven Devices
J551-4	Test Methods and Methods of Measurement of Radio Disturbance Characteristics of Vehicles and Devices, Broadband and Narrowband, 150 kHz to 1,000 MHz
J551-5	Performance Levels and Methods of Measurement of Magnetic and Electric Field Strength From Electric Vehicles, Broadband, 9 kHz to 30 MHz
J551-11	Vehicle Electromagnetic Immunity—Off-Vehicle Source
J551-12	Vehicle Electromagnetic Immunity—On-Board Transmitter Simulation
J551-13	Vehicle Electromagnetic Immunity—Bulk Current Injection
J551-14	Vehicle Electromagnetic Immunity—Reverberation *Work to adapt the IEC documentation to the automotive environment is underway.*
J551-15	Vehicle Electromagnetic Immunity—Electrostatic Discharge (ESD)
J551-17	Vehicle Electromagnetic Immunity—Power Line Magnetic Fields
J1113-1	Electromagnetic Compatibility Measurement Procedures and Limits for Components of Vehicles, Boats (up to 15 m), and Machines (Except Aircraft) (50 Hz to 18 GHz)
J1113-2	Electromagnetic Compatibility Measurements Procedures and Limits for Vehicle Components (Except Aircraft)—Conducted Immunity, 30 Hz to 250 kHz , All Leads
J1113-3	Conducted Immunity, 250 kHz to 500 MHz, Direct Injection of Radio Frequency (RF) Power
J1113-4	Immunity to Radiated Electromagnetic Fields—Bulk Current Injection (BCI) Method
J1113-11	Immunity to Conducted Transients on Power Leads
J1113-12	Electrical Interference by Conduction and Coupling—Coupling Clamp and Chattering Relay
J1113-13	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to Electromagnetic Discharge
J1113-21	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to Electromagnetic Fields, 10 kHz to 18 GHz, Absorber-Lined Chamber
J1113-22	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to Radiated Magnetic Fields From Power Lines
J1113-23	STRIPLINE METHOD WITHDRAWN
J1113-24	Immunity to Radiated Electromagnetic Fields: 10 kHz to 200 MHz—Crawford TEM Cell and 10 kHz to 5 GHz, Wideband TEM Cell
J1113-25	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to Radiated Electromagnetic Fields, 10 kHz to 500 MHz, Tri-Plate Line Method *NOTE: The SAE EMI Standards Committee has decided that the next edition of this document will include a note indicating that it is the intention of the committee to withdraw the document at the following five-year review unless there is a defined need to continue the test method.*
J1113-26	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to AC Power Line Electric Fields
J1113-27	Electromagnetic Compatibility Measurement Procedure for Vehicle Components—Immunity to Radiated Electromagnetic Fields—Reverberation
J1113-41	Limits and Methods of Measurement of Radio Disturbance Characteristics of Components and Modules for the Protection of Receivers Used Onboard Vehicles
J1113-42	Electromagnetic Compatibility—Component Test Procedure—Conducted Transient Emissions
J1752-1	Electromagnetic Compatibility Measurement Procedures for Integrated Circuits—Integrated Circuit EMC Measurement Procedures, General and Definitions
J1752-2	Electromagnetic Compatibility Measurement Procedures for Integrated Circuits—Integrated Circuit Radiated Emissions Diagnostic Procedure 1 MHz to 1,000 MHz, Magnetic Field—Loop Probe
J1752-3	Electromagnetic Compatibility Measurement Procedures for Integrated Circuits—Integrated Circuit Radiated Emissions Measurement Procedure 150 kHz to 1,000 MHz, TEM Cell
J1812	Function Performance Status Classification for EMC Immunity Testing
J2556	Information Report—Radiated Emissions (RE) Narrowband Data Analysis—Power Spectral Density (PSD)
J2628	Conducted Immunity—Design Margins and Characterization

Table 1. SAE Automotive EMC Standards