



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

### ***Radiomotive S.r.l.***

*Via Tevere 63, 22073 Fino Mornasco (CO), Italy*

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

### **ISO/IEC 17025:2017**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

### ***Electrical Testing*** ***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen  
President

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

*Initial Accreditation Date:*

February 18, 2018

*Revision Date:*

April 3, 2021

*Issue Date:*

April 21, 2020

*Accreditation No.:*

97933

*Expiration Date:*

April 30, 2022

*Certificate No.:*

L20-251-R1

*The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: [www.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## Radiomotive S.r.l.

Via Tevere 63, 22073 Fino Mornasco (CO), Italy  
Contact Name: Vincenzo La Fragola Phone: +366 1533470

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Radio interference emission / Conducted emissions; LISN Method and Annex B method in place of radiated emissions	EN 55016-1-2 CISPR 16-1-2 EN 55011 CISPR 11 EN 55014-1 CISPR 14-1 EN 55015 CISPR 15 EN 55022 CISPR 22 EN 55032 CISPR 32 EN 61000-6-3 IEC 61000-6-3 EN 61000-6-4 IEC 61000-6-4 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §23 (EMC-Emission) IEC 60730-1, §23 (EMC-Emission) EN 12015 EN 60945 IEC 60945 EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-50	9 kHz to 30 MHz



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Radio interference emission / Conducted emissions; LISN Method and Annex B method in place of radiated emissions	ETSI EN 301489-52 ETSI EN 301489-53 ESTI EN 301489-33 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 FCC CFR 47 Part 18 FCC MP-5 FCC CFR 47 Part 15 Subpart B FCC CFR 47 Part 15 Subpart C ANSI C63.4	9 kHz to 30 MHz
		EMC / EMC tests: Emission of harmonic currents Mains Harmonic emissions	EN 61000-3-2 IEC 61000-3-2 EN 61000-3-12 IEC 61000-3-12	50 Hz to 2 000 Hz



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		EMC / EMC tests: Emission of voltage fluctuations / flicker Mains / voltage fluctuations emission	EN 61000-3-3 IEC 61000-3-3 EN 61000-3-11 IEC 61000-3-11	220 Vac to 240 Vac 50 Hz to 60 Hz Single phase; 380 V to 400 V Three phases, 50 Hz to 60 Hz



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Immunity to conducted disturbances Conducted RF Immunity	EN 12016 EN 61000-4-6 IEC 61000-4-6 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-33 ETSI EN 301489-50	30 V (rms) 150 kHz to 230 MHz





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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Immunity to conducted disturbances Conducted RF Immunity	ETSI EN 301489-52 ETSI EN 301489-53 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 EN 12405-1 Annex A EN 45501 Annex B.3 OIML R 46 -1 § 6.4 OIML R 46 -2 § 6.3 OIML R 49 -1 Annex A OIML R 49 -2 § 8 OIML R 50 -1 § 3.7 OIML R 50 -2 § 7.3 OIML R 51 -1 Annex A.6.3 OIML R 51 -2 § 9 OIML R 76 -1 Annex B.3 OIML R 76 -2 § 12 OIML R 137 -1/-2 Annex A.7	30 V (rms) 150 kHz to 230 MHz
		EMC / EMC tests: Immunity to irradiated disorders / Radiated RF immunity	EN 12016 EN 61000-4-3 IEC 61000-4-3 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity)	80 MHz to 6 GHz Amplitude Modulation/Pulse Modulation  Maximum Immunity: D.L. = 30 V/m



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		EMC / EMC tests: Immunity to transients / rapid trains Immunity to Fast Transients / Bursts	EN 12016 EN 61000-4-4 IEC 61000-4-4 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024	5.5 kV 5 ns to 50 ns 5 kHz to 100 kHz



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Immunity to transients / rapid trains Immunity to Fast Transients / Bursts	CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-33 ETSI EN 301489-50 ETSI EN 301489-52 ETSI EN 301489-53 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 EN 12405-1 Annex A EN 45501 Annex B.3 OIML R 46 -1 § 6.4 OIML R 46 -2 § 6.3 OIML R 49 -1 Annex A OIML R 49 -2 § 8 OIML R 50 -1 § 3.7	5.5 kV 5 ns to 50 ns 5 kHz to 100 kHz



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		EMC / EMC tests: High energy impulse immunity (Surge) / Immunity to Surge	EN 12016 EN 61000-4-5 IEC 61000-4-5 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3	5 kV 1.2/50 (8/20) μs



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		EMC / EMC tests: Immunity to electrostatic discharge	EN 12016 EN 61000-4-2 IEC 61000-4-2 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6	Contact Discharge: ± 8 (charge voltage); Air Discharge: ± 15 (charge voltage)



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: immunity to voltage dips, short interruptions and voltage changes / Immunity to Voltage Dips, Interruptions and Variations	EN 12016 EN 61000-4-11 IEC 61000-4-11 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-33 ETSI EN 301489-50	0 % to 100 % residual voltage



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: immunity to voltage dips, short interruptions and voltage changes / Immunity to Voltage Dips, Interruptions and Variations	ETSI EN 301489-52 ETSI EN 301489-53 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 EN 12405-1 Annex A EN 45501 Annex B.3 OIML R 46 -1 § 6.4 OIML R 46 -2 § 6.3 OIML R 49 -1 Annex A OIML R 49 -2 § 8 OIML R 50 -1 § 3.7 OIML R 50 -2 § 7.3 OIML R 51 -1 Annex A.6.3 OIML R 51 -2 § 9 OIML R 76 -1 Annex B.3 OIML R 76 -2 § 12 OIML R 137 -1/-2 Annex A.7	0 % to 100 % residual voltage





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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	Prove EMC / EMC tests: Immunità ai campi magnetici impulsivi/ Impulse magnetic field immunity test	EN 61000-4-9 IEC 61000-4-9 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-33 ETSI EN 301489-50	8/20 $\mu$ s 300 A/m



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	Prove EMC / EMC tests: Impulse magnetic field immunity test	ETSI EN 301489-52 ETSI EN 301489-53 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 EN 12405-1 Annex A EN 45501 Annex B.3 OIML R 46 -1 § 6.4 OIML R 46 -2 § 6.3 OIML R 49 -1 Annex A OIML R 49 -2 § 8 OIML R 50 -1 § 3.7 OIML R 50 -2 § 7.3 OIML R 51 -1 Annex A.6.3 OIML R 51 -2 § 9 OIML R 76 -1 Annex B.3 OIML R 76 -2 § 12 OIML R 137 -1/-2 Annex A.7.	8/20 $\mu$ s 300 A/m
		EMC / EMC tests: Immunity to magnetic fields at network frequency	EN 12016 EN 61000-4-8 IEC 61000-4-8 EN IEC 55014-2 CISPR 14-2 EN 61000-6-1 IEC 61000-6-1 EN 61000-6-2 IEC 61000-6-2 EN 61547 IEC 61547 EN 55024 CISPR 24 EN 55035 CISPR 35 EN 50130-4 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC- Immunity)	50 Hz to 60 Hz 0 A/m to 100 A/m



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC / EMC tests: Immunity to magnetic fields at network frequency	IEC 60730-1, §26 (EMC-Immunity) EN 16361 EN 50428 EN 50491-5-1 EN 50491-5-2 EN 50491-5-3 EN 61204-3 EN 62040-2 EN 63044-5-1 EN 63044-5-2 EN 63044-5-3 ETSI EN 301489-1 ETSI EN 301489-3 ETSI EN 301489-4 ETSI EN 301489-9 ETSI EN 301489-17 ETSI EN 301489-19 ETSI EN 301489-33 ETSI EN 301489-50 ETSI EN 301489-52 ETSI EN 301489-53 ETSI EN 303 446-1 ETSI EN 303 446-2 ETSI EN 300 386 EN 12405-1 Annex A EN 45501 Annex B.3 OIML R 46 -1 § 6.4 OIML R 46 -2 § 6.3 OIML R 49 -1 Annex A OIML R 49 -2 § 8 OIML R 50 -1 § 3.7 OIML R 50 -2 § 7.3 OIML R 51 -1 Annex A.6.3 OIML R 51 -2 § 9 OIML R 76 -1 Annex B.3 OIML R 76 -2 § 12 OIML R 137 -1/-2 Annex A.7	50 Hz to 60 Hz 0 A/m to 100 A/m



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Electromagnetic Compatibility <sup>F</sup>	Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products and Control Electro-Mechanical Devices IT Equipment Measuring Equipment Medical ELECTRICAL Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires Professional equipment: Electric/electronic Apparatus for railway applications Components of fire, intruder, hold up, CCTV, access control and social alarm systems Maritime Navigation and Radio Communication Equipment, Radio equipment Lifts, escalators and moving walks	EMC tests / EMC tests: Proof of immunity to common mode conducted disturbances in the frequency range	EN 61000-4-16 IEC 61000-4-16 EN 60335-1, § 19.11.4.9 EN 60945 IEC 60945 EN 61326-1 EN 61326-2-2 EN 61326-2-3 EN 61326-2-6 EN 60601-1-2 IEC 60601-1-2 EN 50121-3-2 EN 50121-4 EN 60730-1, §26 (EMC-Immunity) IEC 60730-1, §26 (EMC-Immunity)	30 V 0 kHz to 150 kHz



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Electromagnetic Compatibility <sup>F</sup>	Electrical and electronic devices for vehicle application / electrical and electronic applications for vehicular	EMC / EMC tests: Conducted emissions: Voltage measurements Test method	CISPR 25 Reg. UNECE R10 EN 50498	9 kHz to 200 MHz
		EMC / EMC tests: Radiated emissions: ALSE (Absorber-lined shielded enclosure) Test method	CISPR 25; Reg. UNECE R10 EN 15194 Annex C EN 50498	150 kHz to 18 GHz
		EMC / EMC tests: Immunity to RF conducted disturbance: Harness excitation methods	ISO 11452-1 ISO 11452-4 Reg. UNECE R10 EN 15194 Annex C	0 mA to 300 mA 1 MHz to 400 MHz
		EMC / EMC tests: Immunity to Electrical disturbances: Conducted and coupled method	ISO 7637-1 ISO 7637-2 ISO 7637-3 Reg. UNECE R10 EN 50498	Pulse 1 Pulse 2a/2b Pulse 3a/3b Pulse 4
		EMC / EMC tests: Immunity to RF radiated disturbance: ALSE (Absorber-lined shielded enclosure) Test methods	ISO 11452-1 ISO 11452-2 Reg. UNECE R10 EN 15194 Annex C	20 MHz to 6 GHz  Amplitude Modulation/ Pulse Modulation  D.L. = 30 V/m



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Effective use of Radio Spectrum <sup>F</sup>	Radio equipment : Short Range Devices Wideband transmission Systems Cellular terminals (GNSS) receivers Fixed Radio Systems Wireless power transmission systems	Radio tests : Conducted power: Spectrum analyzer method Power meter method	ETSI EN 300 220-2 ETSI EN 300 220-3-1 ETSI EN 300 220-3-2 ETSI EN 300 220-4 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893 ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893 ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 301 908-13 ETSI EN 303 417 ETSI EN 302 296 ETSI EN 302 297 ETSI EN 302 217-1 ETSI EN 302 217-2 EN 62311 EN 62479 EN 50385	9 kHz to 40 GHz
		Radio tests : Radiated power: Anechoic chamber + Spectrum analyzer method	EN 55016-2-3 CISPR 16-2-3 ETSI EN 300 220-2 ETSI EN 300 220-3-1 ETSI EN 300 220-3-2 ETSI EN 300 220-4 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893 ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 301 908-13 ETSI EN 303 417 ETSI EN 302 296 ETSI EN 302 297	



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Effective use of Radio Spectrum <sup>F</sup>	Radio equipment : Short Range Devices Wideband transmission Systems Cellular terminals (GNSS) receivers Fixed Radio Systems Wireless power transmission systems	Radio tests : Radiated power: Anechoic chamber + Spectrum analyzer method	ETSI EN 302 217-2 EN 62311 EN 62479 EN 50385	9 kHz to 40 GHz
		Radio tests : Frequency Spectrum analyzer method measurements:	ETSI EN 300 220-2 ETSI EN 300 220-3-1 ETSI EN 300 220-3-2 ETSI EN 300 220-4 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893 ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 303 413 ETSI EN 301 908-13 ETSI EN 303 417 ETSI EN 302 296 ETSI EN 302 297 ETSI EN 302 217-2	9 kHz to 40 GHz
		Radio tests : Sensitivity measurements: Spectrum analyzer method	ETSI EN 300 220-2 ETSI EN 300 220-3-1 ETSI EN 300 220-3-2 ETSI EN 300 220-4 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893 ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 303 413 ETSI EN 301 908-13 ETSI EN 303 417	
		Radio tests : Time measurements: Spectrum analyzer method	ETSI EN 300 220-2 ETSI EN 300 220-3-1 ETSI EN 300 220-3-2 ETSI EN 300 220-4 ETSI EN 300 328 ETSI EN 300 330 ETSI EN 300 440 ETSI EN 301 511 ETSI EN 301 893	>1 μs



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Effective use of Radio Spectrum <sup>F</sup>	Radio equipment : Short Range Devices Wideband transmission Systems Cellular terminals (GNSS) receivers Fixed Radio Systems Wireless power transmission systems	Radio tests : Time measurements: Spectrum analyzer method	ETSI EN 301 908-1 ETSI EN 301 908-2 ETSI EN 301 908-3 ETSI EN 301 908-13 ETSI EN 303 417	>1 μs

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this testing at its fixed location.

