BUREAU OF INDIAN STANDARDS

Program of Work

LITD 9 : Electromagnetic Compatibility

Scope: To prepare Indian Standards relating to: a) Electromagnetic compatibility of electrical and/or electronic equipment, between themselves and with electrical power networks including electromagnetic interference. b) Measurement and calculation methods to assess human exposure to electric, magnetic and electromagnetic fields.

Liaison: **IEC TC-77 (P):** *Electromagnetic compatibility* **IEC TC-77 SC-77A (P):** *EMC - Low frequency phenomena* **IEC TC-77 SC-77B (P):** *High frequency phenomena* **IEC TC-77 (O):** *High power transient phenomena* **IEC TC-CISPR (O):** *International special committee on radio interference* **IEC TC- (O):** *Radio-interference measurements and statistical methods* **IEC TC- (P):** *Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction* **IEC TC- (O):** *Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices* **IEC TC- (O):** *Interference relating to household appliances tools, lighting equipment and similar apparatus* **IEC TC- (O):** *Limits for the protection of radio services* **IEC TC- (O):** *Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers* **IEC TC-106 (P):** *Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure* **ISO TC-106 (P):** *Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10052 (Part 1/Sec 1) : 2021 CISPR 16-1-1: 2015 Reviewed In : 2023 CISPR 16-1-1: 2019	Radio Disturbance and Immunity Measuring Apparatus and Methods Specification Part 1 Radio Disturbance and Immunity Measuring Apparatus Section 1 Measuring apparatus Third Revision	March, 2023	-	Identical under dual numbering
2	IS 10052 (Part 1/Sec 3) : 2018 IEC/CISPR 16-1-3 : 2016 Reviewed In : 2024 IEC/CISPR 16-1-3 : 2016	Radio Disturbance and Immunity Measuring Apparatus and Methods — Specification Part 1 Radio Disturbance and Immunity Measuring Apparatus Section 3 Ancillary equipment — Disturbance power	July, 2024	-	Identical under dual numbering
3	IS 10052 (Part 1/Sec 4) : 2024 CISPR 16-1-4: 2020	Radio Disturbance and Immunity Measuring Apparatus and Methods â€" Specification Part 1 Radio		-	Identical under dual numbering

	CISPR 16-1-4: 2020	Disturbance and Immunity Measuring Apparatus Section 4 Antennas and Test Sites for Radiated Disturbance Measurements			
4	IS 10052 (Part 1/Sec 5) : 2018 CISPR 16-1-5 : 2016 Reviewed In : 2024 CISPR 16-1-5 : 2016	Radio Disturbance and Immunity Measuring Apparatus and Methods — Specification Part 1 Radio Disturbance and Immunity Measuring Apparatus Section 5 Antenna calibration sites and reference test sites for 5 MHz to 18 GHz	July, 2024	-	Identical under dual numbering
5	IS 10052 (Part 1/Sec 6) : 2022 CISPR 16-1-6: 2014 CISPR 16-1-6: 2014	Specification for radio disturbance and immunity measuring apparatus and methods Part 1 Radio disturbance and immunity measuring apparatus Section 6 EMC antenna calibration		-	Identical under dual numbering
6	IS 10052 (Part 2/Sec 1) : 2018 CISPR 16-2-1 : 2014 Reviewed In : 2024 CISPR 16-2-1:2014	Specification for radio disturbance and immunity measuring apparatus and methods: Part 2 methods of measurement of disturbances and immunity: Sec 1 conducted disturbance measurements (Second Revision)	July, 2024	-	Identical under dual numbering
7	IS 10052 (Part 4/Sec 4) : 2018 CISPR TR 16-4-4 : 2017 Reviewed In : 2024 CISPR TR 16-4-4 : 2017	Radio disturbance and immunity measuring apparatus and methods - Specificaiton: Part 4 uncertainties, statistics and limit modelling: Sec 4 statistics of complaints and a model for the calculation of limits for the protection of radio services	July, 2024	-	Identical under dual numbering
8	IS 12233 (Part 1) : 2018 CISPR TR 18-1 : 2017 Reviewed In : 2021 CISPR 18-1 : 2017	Radio interference characteristics of overhead power lines and high - Voltage equipment: Part 1 description of phenomena	September, 2021	-	Identical under dual numbering
9	IS 12233 (Part 2) : 2021 Reviewed In : 2024 CISPR/TR 18-2: 2017	RADIO INTERFERENCE CHARACTERSTICS OF OVERHEAD POWER LINES AND HIGH VOLTAGE EQUIPMENT PART 2 METHODS OF MEASUREMENT AND PROCEDURE FOR DETERMINING LIMITS (First Revision)	August, 2024	-	Identical under dual numbering
10	IS 12233 (Part 3) : 2019 CISPR TR 18-3 : 2017 Reviewed In : 2024 CISPR/TR 18-3: 2017	Radio Interference Characteristics of Overhead Power Lines and High-Voltage Equipment Part 3 Code of Practice for Minimizing the Generation of Radio Noise (Second Revision)	July, 2024	-	Identical under dual numbering
11	IS 13397 : 2018 IEC/TR 60725 : 2012 Reviewed In : 2024	Consideration of reference impedances and public supply network impedances for use in determining the disturbance	March, 2024	-	Identical under dual numbering

	IEC/TR 60725 : 2012	characteristics of electrical equipment having a rated current (less then) 75 A per phase (First Revision)			
12	IS 14700 (Part 1/Sec 1) : 2000 IEC 61000-1-1 Reviewed In : 2022 IEC 61000-1-1	Electromagenetic compatibility (EMC): Part 1 general: Sec 1 application and interpretation of fundamental definitions and terms	January, 2022	-	Identical under dual numbering
13	IS 14700 (Part 3/Sec 2) : 2020 IEC 61000-3-2 : 2018 Reviewed In : 2023 IEC 61000-3-2: 2018	Electromagnetic Compatibility (EMC) Part 3 Limits Section 2 Limits for harmonic current emissions (equipment input current ? 16 A per phase) (Third Revision)	September, 2023	-	Identical under dual numbering
14	IS 14700 (Part 3/Sec 3) : 2018 IEC 61000-3-3 : 2013 Reviewed In : 2024 IEC 61000-3-3	Electromagnetic compatibility (EMC): Part 3 limits section 3 limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply system, for equipment with rated current ? 16 a per phase and not subjected to conditional connection (Second Revision)	May, 2024	-	Identical under dual numbering
15	IS 14700 (Part 4/Sec 1) : 2019 IEC 61000-4-1 : 2016 Reviewed In : 2022 IEC 61000-4-1: 2016	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 1 overview of the IEC 61000 - 4 series (Second Revision)	May, 2022	-	Identical under dual numbering
16	IS 14700 (Part 4/Sec 2) : 2018 61000-4-2 : 2008 Reviewed In : 2024 IEC 61000-4-2 : 2008	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 2 electrostatic discharge immunity test (Second Revision)	March, 2024	-	Identical under dual numbering
17	IS 14700 (Part 4/Sec 3) : 2023 IEC 61000-4-3: 2020 IEC 61000-4-3: 2020	Electromagnetic compatibility EMC Part 4 Testing and Measurement Techniques Section 3 Radiated radio-frequency electromagnetic field immunity test Second Revision		-	Identical under dual numbering
18	IS 14700 (Part 4/Sec 3) : 2018 IEC 61000-4-24 Reviewed In : 2021 IEC 61000-4-3: 2020	Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 24 Test methods for protective devices for HEMP conducted disturbance (First Revision)	March, 2021	-	Identical under dual numbering
19	IS 14700 (Part 4/Sec 4) : 2018 IEC 61000-4-4 : 2012 Reviewed In : 2024 IEC 61000-4-4:2012	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 4 electrical fast transient / burst immunity test (Second Revision)	March, 2024	-	Identical under dual numbering
20	IS 14700 (Part 4/Sec 5) : 2019 IEC 61000-4-5 :	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 5	May, 2022	-	Identical under dual numbering

	2017 Reviewed In : 2022 IEC 61000-4-5: 2017	surge immunity test (First Revision)			
21	IS 14700 (Part 4/Sec 6) : 2016 IEC 61000-4-6 : 2013 Reviewed In : 2022 IEC 61000-4-6:2013	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 6 immunity to conducted disturbances, induced by radio - Frequency fields	April, 2022	-	Identical under dual numbering
22	IS 14700 (Part 4/Sec 7) : 2017 IEC 61000-4-7 : 2009 Reviewed In : 2023 IEC 61000-4-7:2009	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 7 general guide on harmonic and interharmonics measurements and instrumentation, for power supply systems and equipment eonnected thereto (First Revision)	November, 2023	-	Identical under dual numbering
23	IS 14700 (Part 4/Sec 8) : 2018 IEC 61000-4-8 : 2009 Reviewed In : 2024 IEC 61000-4-8:2009	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 8 power frequency magnetic field immunity test (Second Revision)	March, 2024	-	Identical under dual numbering
24	IS 14700 (Part 4/Sec 9) : 2019 IEC 61000-4-9 : 2016 Reviewed In : 2022 IEC 61000-4-9: 2016	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 9 impulse magnetic field immunity test (Second Revision)	May, 2022	-	Identical under dual numbering
25	IS 14700 (Part 4/Sec 11) : 2021 IEC 61000-4-16: 2020 Reviewed In : 2024 IEC 61000-4-11: 2020	Electromagnetic compatibility EMC: Part 4 testing and measurement techniques: Sec 11 voltage dips short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	August, 2024	-	Identical under dual numbering
26	IS 14700 (Part 4/Sec 12) : 2019 IEC 61000-4-12 : 2017 Reviewed In : 2022 IEC 61000-4-12: 2017	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 12 ring wave immunity test (Second Revision)	May, 2022	-	Identical under dual numbering
27	IS 14700 (Part 4/Sec 13) : 2016 IEC 61000-4-13 : 2009 Reviewed In : 2022 IEC 61000-4-13:2009	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 13 harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity test	April, 2022	-	Identical under dual numbering
28	IS 14700 (Part 4/Sec 14) : 2018 IEC 61000-4-14 : 2009 Reviewed In : 2024 IEC 61000-4-14: 2009	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 14 voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase	May, 2024	-	Identical under dual numbering

29	IS 14700 (Part 4/Sec 15) : 2018 IEC 61000-4-15 : 2010 Reviewed In : 2024 IEC 61000-4-15:2010	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 15 flickermeter - Functional and design specifications (Second Revision)	May, 2024	-	Identical under dual numbering
30	IS 14700 (Part 4/Sec 16) : 2019 IEC 61000-4-16 : 2015 Reviewed In : 2022 IEC 61000-4-16: 2015	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 16 test for immunity to conducted, common mode disturbances in the frequency range 0 hz to 150 kHz (Second Revision)	May, 2022	-	Identical under dual numbering
31	IS 14700 (Part 4/Sec 17) : 2018 ISO 61000-4-17 : 2009 Reviewed In : 2024 ISO 61000-4-17 : 2009	Electromagnetic Compatiblity (EMC) Part 4 Testing & Measurement Techniques Section 17 Ripple on d.c input Power Port Immunity Test	May, 2024	-	Identical under dual numbering
32	IS 14700 (Part 4/Sec 24) : 2018 IEC 61000-4-24 Reviewed In : 2024 IEC 61000-4-24:2015	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 24 test methods for protective devices for HEMP conducted disturbance (First Revision)	July, 2024	-	Identical under dual numbering
33	IS 14700 (Part 4/Sec 25) : 2018 IEC 61000-4-25 : 2012 Reviewed In : 2024 IEC 61000-4-25:2012	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 25 HEMP immunity test methods for equipment and systems	May, 2024	-	Identical under dual numbering
34	IS 14700 (Part 4/Sec 32) : 2018 IEC 61000-4-32 : 2002 Reviewed In : 2024 IEC 61000-4-32: 2002	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 32 high - Altitude electromagnetic pulse (HEMP) simulator compendium	May, 2024	-	Identical under dual numbering
35	IS 14700 (Part 4/Sec 33) : 2018 IEC 61000-4-3 : 2005 Reviewed In : 2024 IEC 61000-4-33 : 2005	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 33 measurement methods for high - Power transient parameters	June, 2024	-	Identical under dual numbering
36	IS 14700 (Part 4/Sec 34) : 2017 IEC 61000-4-34 : 2009 Reviewed In : 2023 IEC 61000-4-34:2009	Electromagnetic compatibility (EMC): Part 4 testing and measurement techniques: Sec 34 voltage dips, short interruptions and voltage variations immunity tests for current more than 16 A per phase	November, 2023	-	Identical under dual numbering
37	IS 14700 (Part 4/Sec 35) : 2018 IEC 61000-4-35 : 2009	Electromagnetic Compatibility (EMC) Part 4 Testing & Measurement Techniques Section 35 HPEM Simulator Compendium	May, 2024	-	Identical under dual numbering

	Reviewed In : 2024 IEC 61000-4-35 : 2009				
38	IS 14700 (Part 6/Sec 1) : 2019 IEC 61000-6-1 : 2016 Reviewed In : 2022 IEC 61000-6-1: 2016	Electromagnetic Compatibility (EMC) Part 6 Generic Standards Section 1 Immunity standard for residential, commercial and light-industrial environments (First Revision)	July, 2022	-	Identical under dual numbering
39	IS 14700 (Part 6/Sec 2) : 2019 IEC 61000-6-2 : 2016 Reviewed In : 2022 IEC 61000-6-2: 2016	Electromagnetic Compatibility (EMC) Part 6 Generic Standards Section 2 Immunity standard for industrial environments (First Revision)	July, 2022	-	Identical under dual numbering
40	IS 14700 (Part 6/Sec 3) : 2023 IEC 61000-6-3: 2020 IEC 61000-6-3: 2020	Electromagnetic compatibility EMC Part 6 Generic standards Section 3 Emission standard for equipment in residential environments Second Revision		-	Identical under dual numbering
41	IS 15040 : 2020 CISPR 25 : 2016 Reviewed In : 2022 CISPR 25: 2016	Radio Disturbance Characteristics for Protection of Receivers used on Board Vehicles, Boats and Internal Combustion Engines — Limits and Methods of Measurement (Second Revision)	November, 2022	-	Identical under dual numbering
42	IS 15874 : 2009 CISPR 28 Reviewed In : 2022 CISPR 28:1997	Industrial, scientific and medical equipment (ISM) - Guidelines for emission levels within the bands designated by the ITU	January, 2022	-	Identical under dual numbering
43	IS 16528 : 2017 IEC 62232 : 2011 Reviewed In : 2023 IEC62232(2011)	Determination of RF field strength and SAR in the vicinity of Radiocommunication base stations for the purpose of evaluating human exposure	November, 2023	-	Identical under dual numbering
44	IS 1885 (Part 85) : 2003 IEC 60050(161) Reviewed In : 2022 IEC 60050(161)	Electrotechnical vocabulary: Part 85 electromagnetic compatibility	January, 2022	-	Identical under dual numbering
45	IS/CISPR TR 29 : 2020 CISPR 29 : 2020 CISPR 29 : 2020	Television broadcast receivers and associated equipment Immunity characteristics Methods of objective picture assessment		-	Identical under single numbering
46	IS/CISPR 32 : 2015 CISPR 32 : 2015 Reviewed In : 2022 CISPR 32: 2015	Electromagnetic Compatibility of Multimedia Equipment Emission Requirements	November, 2022	-	Identical under single numbering
47	IS/CISPR 35 : 2016 CISPR 35: 2016 Reviewed In : 2024 CISPR 35: 2016	Electromagnetic Compatibility of Multimedia Equipment Immunity Requirements	August, 2024	-	Identical under single numbering
48	IS/IEC 62209-1 : 2016 IEC 62209-1 : 2016 Reviewed In : 2021	Measurement Procedure for the Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held	December, 2021	-	Identical under single numbering

	IEC 62209-1: 2016	and Body-mounted Wireless Communication Devices Part 1 Devices Used Next to the Ear (Frequency range of 300 MHz to 6 GHz) (First Revision)			
49	IS/IEC 62209-2 : 2019 IEC 62209-2: 2019 IEC 62209-2: 2019	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Human models instrumentation and procedures Part 2 Procedure to determine the specific absorption rate SAR for wireless communication devices Used in Close Proximity to The Human Body (Frequency range of 30 MHz to 6 GHz) (First Revision)		-	Identical under single numbering
50	IS/IEC 62209-3 : 2019 IEC 62209-3:2019 IEC 62209-3:2019	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 3: Vector measurement-based systems Frequency range of 600 MHz to 6 Ghz)		-	Identical under single numbering
51	IS/IEC 62226-1 : 2004 Reviewed In : 2024 IEC 62226-1 : 2004	Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body Part 1 General	March, 2024	-	Identical under single numbering
52	IS/IEC 62226-2-1 : 2004 Reviewed In : 2024 IEC 62226-2-1	Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body: Part 2 exposure to magnetic fields: Sec 1 2D models	March, 2024	-	Identical under single numbering
53	IS/IEC 62226-3-1 : 2016 IEC 62226-3-1 : 2016 Reviewed In : 2024 IEC 62226-3-1 : 2016	Exposure to Electric or Magnetic Fields in the Low and Intermediate Frequency Range Methods for Calculating the Current Density and Internal Electric Field Induced in the Human Body Part 3 Exposure to Electric Fields Section 1 Analytical and 2D numerical models	July, 2024	-	Identical under single numbering
54	IS/IEC 62233 : 2005 Reviewed In : 2024 IEC 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	March, 2024	-	Identical under single numbering
55	IS/IEC 62311 : 2019 IEC 62311:2019 Reviewed In : 2024 IEC 62311:2019	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields 0 Hz - 300 GHz	March, 2024	-	Identical under single numbering
56	IS/IEC 62369-1 :	Evaluation of human exposure to	April, 2024	-	Identical under single

	2008 Reviewed In : 2024 IEC 62369-1	electromagnetic fields from short range devices (SRDS) in various applications over the frequency range 0 GHz to 300 GHz: Part 1 fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems			numbering
57	IS/IEC 62479 : 2010 IEC 62479 : 2010 Reviewed In : 2024 IEC 62479 : 2010	Assessment of the Compliance of Low-Power Electronic and Electrical Equipment with the Basic Restrictions Related to Human Exposure to Electromagnetic Fields (10 MHz to 300 GHz)	July, 2024	-	Identical under single numbering
58	IS/IEC 62577 : 2009 IEC 62577 : 2009 Reviewed In : 2024 IEC 62577 : 2009	Evaluation of Human Exposure to Electromagnetic Fields from a Stand-Alone Broadcast Transmitter (30 MHz - 40 GHz)	July, 2024	-	Identical under dual numbering
59	IS 6873 (Part 1) : 2010 CISPR 12(2007) Reviewed In : 2022 CISPR 12(2007)	Limits and methods of measurements of radio disturbance characteristics: Part 1 vehicles, boats and internal combustion engines (Third Revision)	January, 2022	-	Identical under dual numbering
60	IS 6873 (Part 2/Sec 1) : 2024 CISPR 14-1: 2020 CISPR 14-1: 2020	Limits and Methods of Measurement of Radio Disturbance Characteristics PART 2 Electromagnetic Compatibility (EMC) ï¿½ Requirements for Household Appliances, Electric Tools and Similar Apparatus Section 1 Emission (Fourth Revision)		-	Identical under dual numbering
61	IS 6873 (Part 2/Sec 2) : 2024 CISPR 14-2: 20 CISPR 14-2: 20	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 2 Electromagnetic Compatibility (EMC) â€" Requirements for Household Appliances, Electric Tools and Similar Apparatus Section 2 Immunity â€" Product Family Standard (Fifth Revision)		-	Identical under dual numbering
62	IS 6873 (Part 4) : 2019 CISPR 11: 2016 Reviewed In : 2022 CISPR 11: 2016	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 4 Industrial Scientific and Medical Radio-Frequency Equipment Second Revision	November, 2022	-	Identical under dual numbering
63	IS 6873 (Part 5) : 2019 CISPR 15 : 2018 Reviewed In : 2022 CISPR 15: 2018	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 5 Electrical Lighting and Similar Equipment (Third Revision)	November, 2022	-	Identical under dual numbering

Standards under Development

Projects Approved		

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	LITD 9 (24959)	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Human models instrumentation and procedures Frequency range of 4 MHz to 10 GHz

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	LITD 9 (24954)	Electromagnetic Compatibility EMC Part 1 General Section 1 Application and Interpretation of Fundamental Definitions and Terms First Revision
2	LITD 9 (24955)	Electromagnetic Compatibility EMC Part 4 Testing and Measurement Techniques Section 6 Immunity to Conducted Disturbances Induced by Radio-Frequency Fields First Revision
3	LITD 9 (24956)	Electromagnetic Compatibility EMC Part 5 Installation and Mitigation Guidelines Section 1 General Considerations
4	LITD 9 (24957)	Electromagnetic Compatibility EMC Part 5 Installation and Mitigation Guidelines Section 2 Earthing and Cabling
5	LITD 9 (25161)	Vehicles Boats and Internal Combustion Engines - Radio Disturbance Characteristics Limits and Methods of Measurement for the Protection of On-Board Receivers
6	LITD 9 (25162)	Determination of RF field strength power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure
7	LITD 9 (25163)	Assessment of Power Density of Human Exposure to Radio Frequency Fields from Wireless Devices in Close Proximity to the Head and Body Frequency Range of 6 Ghz to 300 Ghz Part 1 Measurement Procedure
8	LITD 9 (25164)	Assessment of Power Density of Human Exposure to Radio Frequency Fields from Wireless Devices in Close Proximity to the Head and Body Frequency Range of 6 Ghz to 300 Ghz Part 2 Computational Procedure

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:62 Total Standards Under development:9

Aspect Wise Report

Product : 12
Code of Practices : 6
Methods of Test : 36
Terminology : 1
Dimensions : 2
System Standard : 1
Safety Standard : 3

Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10052 (Part 1) : 1999 CISPR 16-1 Reviewed In : 2016 CISPR 16-1	Withdrawal
2	IS 10052 (Part 2) : 1999 CISPR 16-2 Reviewed In : 2019 CISPR 16-2	SpecificatlOn for radio disturbance and immunity measuring apparatus and methods Part 2 methods of measurement of disturbances and immunity First Revision
3	IS 10422 : 1982 Reviewed In : 2010	Requirement And Test Methods For Safety Of Data Processing Equipment
4	IS 10564 : 1983 Reviewed In : 2019 IEEE 140	Recommended practice for minimization of electromagnetic interference from radio frequency heating equipment
5	IS 11412 : 1986 Reviewed In : 1997	Key-board for information processing using 7-bit coded character set
6	IS 12233 (Part 1/Sec 1) : 1987 Reviewed In : 2016	Electromagnetic Interference Characteristics of Overhead Powerlines and High Voltage Equipment Part 1 Description of Phenomena Sec 1 Radio Noise from Power Lines
7	IS 12233 (Part 1/Sec 2) : 1987 Reviewed In : 2016	Electromagnetic Interference Characteristics of Overhead Power Lines and High-voltage Equipment Part 1 Description Of Phenomena Sec 2 Effects of Corona from Conductors
8	IS 12233 (Part 1/Sec 3) : 1987 Reviewed In : 2016	Electromagnetic Interference Characteristics of Overhead Power Lines and High-voltage Equipment Part 1 Description of Phenomena Sec 3 Radio Noise Levels Due to Insulators Fittings and Sub-station
9	IS 12233 (Part 1/Sec 4) : 1987 Reviewed In : 2016	Electromagnetic Interference Characteristics of Overhead Power Lines and High-voltage Equipment part 1 Description of Phenomena Sec 4 Sparking Due to Bad Contacts
10	IS 12233 (Part 1/Sec 5) : 1987 Reviewed In : 2016	Electromagnetic Interference Characteristics of Overhead Power Lines and High-voltage Equipment Part 1 Description of Phenomena sec 5 Special Dc Effects
11	IS 12552 : 2020 CISPR 20 : 2013 CISPR 20: 2013	Sound and Television Broadcast Receivers and Associated Equipment Immunity Characteristics Limits and Methods of Measurement Second Revision
12	IS 12743 : 1989 IEC 60816 Reviewed In : 2022 IEC 60816	Guide on methods of measurement of short duration transients on low voltage power and signal lines
13	IS 13671 : 1993 CISPR Pub 19 Reviewed In : 2013	Guidance on the use of the substitution method for measurements of Radiation from microwave ovens for frequencies above 1 GHz
14	IS 14147 (Part 3) : 1994	Identification cards - Recording technique Part 3 Location of embossed characters on ID-1 cards
15	IS 14147 (Part 4) : 1994 Reviewed In : 2003	Identification cards - Recording technique Part 4 Location of read-only Magnetic track - Track 1 2
16	IS 15039 : 2018 CISPR 24 : 2010 CISPR 24 : 2010	Information technology equipment - Immunity characteristics - Limits and methods of measurement First Revision
17	IS 15598 : 2005 CISPR 21 Reviewed In : 2013	Interference to mobile Radiocommunications in the Presence of Impulsive Noise - Methods of Judging Degradation and Measures to Improve Performance
18	IS 1885 (Part 36) : 1972	Electrotechnical vocabulary Part 36 Interference

	Reviewed In : 2013	
19	IS 1885 (Part 52/Sec 8) : 1980	Electrotechnical vocabulary Part 52 Data processing Sec 8 Control input-output and arithmatic equipment
20	IS 1885 (Part 52/Sec 9) : 1980	Electrotechnical vocabulary Part 52 Data processing Sec 9 Data media storage and related equipment
21	IS 2684 (Part 1) : 1972 IEC 67 Reviewed In : 1990	Dimensions of electron tubes Part 1 Miniature 9-pin noval type
22	IS 2684 (Part 2) : 1972 Reviewed In : 1990	Dimensions of electron tubes Part 2 Miniature 7-pin type
23	IS 2684 (Part 3) : 1971 IEC 67 Reviewed In : 1990	Dimensions of electron tubes Part 3 Octal base type
24	IS 2684 (Part 4) : 1971 IEC 67 Reviewed In : 1990	Dimensions of electron tubes Part 4 Magnoval base type
25	IS 2684 (Part 5) : 1972 IEC 67 Reviewed In : 1990	Dimensions of electron tubes Part 5 Local base type
26	IS 3154 : 1965	X-ray tubes diagnostic type
27	IS 4096 : 1973 Reviewed In : 1995	Methods of measurement of optical focal spot size of X-ray tubes
28	IS 6134 (Part 1/Sec 1) : 1973 Reviewed In : 2003	Methods of measurement of electrical characteristics of microwave tubes Part 1 General measurement Sec 1 General condition and precautions for measurements incorporated in IS 6134 Part 1
29	IS 6134 (Part 1/Sec 2) : 1973 Reviewed In : 2000	Methods of measurement of electrical characteristics of microwave tubes Part 1 General measurement Sec 2 Common to all devices incorporated in IS 6134 Part 1
30	IS 6568 : 1972	Implosion protection for TV picture tubes
31	IS 6576 : 1972	Methods of measurements on gas filled cold cathode indicator tubes
32	IS 6577 : 1972	Methods of measurements on gas filled cold cathode voltage stabilizing and voltage reference tubes
33	IS 6873 (Part 2) : 1999 CISPR 14-1 Reviewed In : 2015 CISPR 14-1	CISPR 14 1993 Limits and Methods of Measurement of Radio Disturbance Characteristics - Part 2 Electrical Motor-operated and Thermal Appliances for Household and Similar Purposes Electric Tools and Electric Apparatus
34	IS 6873 (Part 3) : 2015 CISPR 13 : 2009 Reviewed In : 2018 CISPR 13: 2009	Limits and methods of measurement of radio disturbance characteristics Part 3 sound and television broadcast receivers and associated equipment Third Revision
35	IS 6873 (Part 7) : 2012 CISPR 22(2008) Reviewed In : 2018 CISPR 22(2008)	Limits and methods of measurement of radio disturbance characteristics Part 7 information technology equipment Second Revision
36	IS 8319 (Part 1) : 1977	Dimensions of indicator tubes Part 1 Tube type 1
37	IS 8319 (Part 2) : 1977	Dimensions of indicator tubes Part 2 Tube type 2
38	IS 8319 (Part 3) : 1977	Dimensions of indicator tubes Part 3 Tube type 3
39	IS 8319 (Part 4) : 1979	Dimensions of indicator tubes Part 4 Tube type 4
40	IS 8817 : 1978	Keytop printed or displayed symbols for electronic calculators

41	IS 8880 : 1978 Reviewed In : 2015 BS 613	Filter Units for Electromagnetic Interference Suppression
42	IS 8912 : 1978 Reviewed In : 2015 CISPR/A(Sectt) 13	Methods of measurement of the suppression characteristics of electromagnetic interference filters
43	IS 9306 : 1979	Layouts Of Numeric Keyboard For Electronic Calculators
44	IS 9383 (Part 1) : 1979	Dimensions Of Sign Indicator Tubes Part 1 Tube Type 1
45	IS 9383 (Part 2) : 1979	Dimensions Of Sign Indicator Tubes Part 2 Tubes Type 2
46	IS 9538 : 1980	Electronic calculators non-programmable type

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10052 (Part 1/Sec 4) : 2024 CISPR 16-1-4: 2020	Radio Disturbance and Immunity Measuring Apparatus and Methods Specification Part 1 Radio Disturbance and Immunity Measuring Apparatus Section 4 Antennas and Test Sites for Radiated Disturbance Measurements
2	IS 10052 (Part 2/Sec 1) : 2018 CISPR 16-2-1 : 2014 Reviewed In : 2024 CISPR 16-2-1:2014	Specification for radio disturbance and immunity measuring apparatus and methods Part 2 methods of measurement of disturbances and immunity Sec 1 conducted disturbance measurements Second Revision
3	IS 14700 (Part 6/Sec 3) : 2023 IEC 61000-6-3: 2020	Electromagnetic compatibility EMC Part 6 Generic standards Section 3 Emission standard for equipment in residential environments Second Revision
4	IS 15040 : 2020 CISPR 25 : 2016 Reviewed In : 2022 CISPR 25: 2016	Radio Disturbance Characteristics for Protection of Receivers used on Board Vehicles Boats and Internal Combustion Engines Limits and Methods of Measurement Second Revision
5	IS/CISPR TR 29 : 2020 CISPR 29 : 2020	Television broadcast receivers and associated equipment Immunity characteristics Methods of objective picture assessment
6	IS/CISPR 35 : 2016 CISPR 35: 2016 Reviewed In : 2024 ISO/IEC TR 23613 : 2020	Electromagnetic Compatibility of Multimedia Equipment Immunity Requirements
7	IS/IEC 62209-1 : 2016 IEC 62209-1 : 2016 Reviewed In : 2021 IEC 62209-1: 2016	Measurement Procedure for the Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices Part 1 Devices Used Next to the Ear Frequency range of 300 MHz to 6 GHz First Revision
8	IS/IEC 62311 : 2019 IEC 62311:2019 Reviewed In : 2024 ISO 21924-2: 2017	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields 0 Hz - 300 GHz
9	IS 6873 (Part 2/Sec 1) : 2024 CISPR 14-1: 2020	Limits and Methods of Measurement of Radio Disturbance Characteristics PART 2 Electromagnetic Compatibility EMC Requirements for Household Appliances Electric Tools and Similar Apparatus Section 1 Emission Fourth Revision
10	IS 6873 (Part 2/Sec 2) : 2024 CISPR 14-2: 20	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 2 Electromagnetic Compatibility EMC Requirements for Household Appliances Electric Tools and Similar Apparatus Section 2 Immunity Product Family Standard Fifth Revision
11	IS 6873 (Part 4) : 2019	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 4 Industrial

	CISPR 11: 2016 Reviewed In : 2022 ISO 17175:2017	Scientific and Medical Radio-Frequency Equipment Second Revision
12	IS 6873 (Part 5) : 2019 CISPR 15 : 2018 Reviewed In : 2022 CISPR 15: 2018	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 5 Electrical Lighting and Similar Equipment Third Revision