IEEE Electromagnetic Compatibility Standards (Active & Archive) Collection: VuSpec™

This value-packed VuSpec CD-ROM represents the most complete resource available for professional engineers looking for best practices and techniques covering the compatibility of the electromagnetic effects of systems with both themselves and their intended operating environments. It includes 52 active standards and 52 archive standards, measurement techniques, test procedures, instrumentation, equipment and systems characteristics, interference control techniques and components, educational tutorials, computational analysis, and spectrum management.

ACTIVE

- IEEE Std 299.1-2013 - IEEE Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having all Dimensions between 0.1 m and 2 m
- IEEE Std 1140-1994 (R2006), IEEE Standard Procedures for the Measurement of Electric and Magnetic Fields From Video Display Terminals (VDTs) From 5 Hz to 400 kHz
- IEEE Std 1528-2013, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement IEEE Std 1528a-2005, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
Amendment 1: CAD File for Human Head Model (SAM Phantom) SASB/SCC39-SCC39 - International Committee on Electromagnetic Safety

- 1528a-2005, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head From Wireless Communications Devices: Measurement Techniques Amendment 1: CAD File for Human Head Model (SAM Phantom)
- IEEE Std 1597.2-2010, IEEE Recommended Practice for Validation of Computational Electromagnetics Computer Modeling and Simulations
- IEEE Std P1642-2014 (Unapproved Draft), IEEE Draft Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI

**C63 Series**

- ANSI Std C63.2-2009, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz Specifications
- ANSI Std C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
- ANSI Std C63.5-2006, American National Standard Electromagnetic Compatibility-Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas (9 kHz to 40 GHz)
- ANSI Std C63.9-2008, American National Standard for RF Immunity of Audio Office Equipment to General Use Transmitting Devices with Transmitter Power Levels up to 8 Watts
- ANSI Std C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices
- ANSI Std C63.12- 1999, American National Standard Recommended Practice for Electromagnetic Compatibility Limits
- ANSI Std C63.15-2010, American National Standard Recommended Practice for the Immunity Measurement of Electrical and Electronic Equipment
• ANSI Std C63.17-2013, American National Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices
• ANSI Std C63.18-1997, American National Standard Recommended Practice for an On-Site, Ad Hoc Test Method for Estimating Radiated Electromagnetic Immunity of Medical Devices to Specie Radio-Frequency Transmitters
• ANSI Std C63.19-2011, American National Standard Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids
• ANSI Std C63.22-2004, American National Standard Guide for Automated Electromagnetic Interference Measurements

C95 Series
• IEEE Std C95.1a-2010, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz Amendment 1: Specifies Ceiling Limits for Induced and Contact Current, Clarifies Distinctions between Localized Exposure and Spatial Peak Power Density
• IEEE Std C95.1b-2004, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz - Amendment 2: Specific Absorption Rate (SAR) Limits for the Pinna
• IEEE Std C95.3-2002 (R2008), IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz
• IEEE Std C95.3.1-2010, IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 100 kHz
• IEEE Std C95.6-2002, IEEE Standard for Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0-3 kHz
• IEEE Std C95.7-2005, IEEE Recommended Practice for Radio Frequency Safety Programs, 3 kHz to 300 GHz

ARCHIVE
• IEEE Std 140-1950, IEEE Recommended Practice for Minimization of Interference from Radio-Frequency Heating Equipment
• IEEE Std 272-1970,IEEE Standard for Computer-Type (Square-Loop) Pulse Transformers
• IEEE Std 299-1991, IEEE Recommended Practice for Measurement of Shielding Effectiveness of High-Performance Shielding Enclosures
• 473-1985 (1994), IEEE Recommended Practice for an Electromagnetic Site Survey (10 kHz to 10 GHz)
• IEEE Std 1528-2003, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communicat
• IEEE Std C37.90.2-1987 IEEE Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

C63 Series
• ANSI Std C63.2-1987, Electromagnetic Noise and Field Strength, 10 kHz to 40 kHz Specifications
• ANSI Std C63.2-1996, American National Standard for Electromagnetic Noise and Field Strength Instrumentation, 10 Hz to 40 GHz-Specifications
• ANSI Std C63.4-1992, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
• ANSI Std C63.4-2001, Interim Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
• ANSI Std C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
• ANSI Std C63.4-2009, American National Standard Guide for the Computation of Errors in Open-Area Test Site Measurements
• ANSI C63.5-1988, American National Standard for Electromagnetic Compatibility-Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas (9 kHz to 40 GHz)
• ANSI Std C63.5-1998, ANSI Std C63.5-1998, American National Standard for Electromagnetic Compatibility-Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas (9 kHz to 40 GHz)
• ANSI Std C63.5-2004, American National Standard for Electromagnetic Compatibility-Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas (9 kHz to 40 GHz)
• ANSI Std C63.6-1988, American National Standard Guide for the Computation of Errors in Open-Area Test Site Measurements
• ANSI Std C63.6-1996, American National Standard Guide for the Computation of Errors in Open-Area Test Site Measurements
• ANSI Std C63.7-1988, American National Standard Guide for Construction of Open Area Test Sites for Performing Radiated Emission Measurements
• ANSI Std C63.12-1987, American National Standard for Electromagnetic Compatibility Limits-Recommended Practice
• ANSI Std C63.14-1992, American National Standard Dictionary for Technologies of Electromagnetic Compatibility (EMC), Electromagnetic Pulse (EMP), and Electrostatic Discharge (ESD)
• ANSI Std C63.14-1998, American National Standard Dictionary for Technologies of Electromagnetic Compatibility (EMC), Electromagnetic Pulse (EMP), and Electrostatic Discharge (ESD)
• ANSI Std C63.17-2006, American National Standard Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices
• ANSI Std C63.18–1997, Recommended Practice for an On-site, Ad-Hoc Test Method for Estimating Radiated Electromagnetic Immunity of Medical Devices to Specific Radio Frequency Transmitters
• ANSI Std C63.19-2001, American National Standard for Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids
• ANSI Std C63.19-2006, American National Standard for Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids
• ANSI Std C63.19-2007, American National Standard for Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids

C95 Series
• ANSI Std C95.1-1982, American National Standard Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz
• IEEE Std C95.1b-2004, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz Amendment 2: Specific Absorption Rate (SAR) Limits for the Pinna
• ANSI Std C95.2-1982, American National Standard Radio Frequency Radiation Hazard Warning Symbol
• ANSI Std C95.3-1973 (R1979), American National Standard Techniques and Instrumentation for the Measurement of Potentially Hazardous Electromagnetic Radiation at Microwave Frequencies
• IEEE Std C95.3-1991, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields-RF and Microwave
• ANSI Std C95.5-1981, American National IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
IEEE Errata & Interpretations

- IEEE Std 1528™-2013, Errata to IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques

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