

Conducted & Radiated Emission Test Setup

FFT EMI Receiver Test Packages – Emissions Testing Made Simple

The FFT EMI Receiver Packages provide fully compliant solutions for conducting conducted and radiated emissions measurements in accordance with CISPR 16-1-1. With options ranging from an integrated LISN receiver for low-frequency conducted testing through to expanded bandwidths and antenna-supported radiated measurements, these packages allow users to build a scalable, in-house EMC emissions capability. Whether you require conducted-only compliance from 9 kHz to 30 MHz or full emissions coverage up to 3 GHz (and beyond when paired with the AS-02 antenna set), APC offers ready-to-deploy test configurations designed to streamline your compliance workflows.

Bring emissions testing in-house and in accordance with international standards with these pre-built receiver packages from APC, with optional calibration services available on request.

Option 00 - Base Conducted Emissions Package

A compact, CISPR-compliant solution for conducted emissions testing from 9 kHz to 30 MHz. It includes an integrated 230 VAC / 16 A LISN for fully compliant measurements from 150 kHz to 30 MHz, making it ideal for laboratories focused solely on mains-borne emissions.

Option 01 - Extended Bandwidth Package

Builds on Option 00 by expanding the receiver bandwidth to 3 GHz, enabling both conducted and radiated emissions measurements when used with suitable antennas. All accessories and LISN functionality from Option 00 remain unchanged.

Option 02 - Complete Receiver + Antenna Package

Expands Option 01 by adding the AS-02 antenna set (supplied with typical calibration), creating a ready-to-use system for full conducted and wide-range radiated testing in a single package.

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Package Contents:

The FFT EMI Receiver systems provide a comprehensive, standards-compliant platform for carrying out conducted and radiated emissions measurements in-house. Each package is built around a CISPR 16-1-1 compliant FFT EMI receiver equipped with MIL-STD 6 dB RBW IF filters from 100 Hz to 3 MHz, together with an internal 230 VAC, 16 A LISN for fully compliant conducted emissions testing from 150 kHz to 30 MHz. This core setup enables users to establish a reliable emissions test capability that can be scaled to suit different compliance requirements.

Option 00 offers a dedicated conducted emissions solution covering 9 kHz to 30 MHz, making it ideal for users focused solely on mains-borne emissions and low-frequency compliance measurements.

Option 01 builds on this by extending the receiver bandwidth to 9 kHz – 3 GHz, enabling both conducted and radiated emissions testing when paired with appropriate antennas. The internal LISN remains fully compliant up to 30 MHz, while the expanded range supports higher-frequency diagnostics and pre-compliance assessment.

Option 02 further enhances the system by adding the AS-02 antenna set (30 MHz – 6 GHz) to the Option 01 receiver, creating a more complete emissions test package for users who require both conducted and radiated measurements within a single solution. The antenna set is supplied with typical calibration, with the specific model specified at order.

All configurations include PES Emission Suite software, AC/DC converter, communication cables, adapters, ground kit, and soft accessory pocket. Calibration services can be provided on request, and APC also offers tailored configurations for users requiring only specific test capabilities.

Option 00: ER8000 9kHz to 30MHz



PMM ER8000

Standard Accessories:

- AC/DC converter with plug adapters
- AC cable for internal LISN
- PES Emission Suite
- USB, RS-232 cables
- USB/RS-232 serial converter
- N (m) - BNC (f) Adapter
- Soft Accessory Pocket
- Ground Connection Kit

Package Price - £7610

Option 01: ER8000 9kHz to 3GHz (LISN only usable up to 30MHz)



PMM ER8000

Standard Accessories:

- AC/DC converter with plug adapters
- AC cable for internal LISN
- PES Emission Suite
- USB, RS-232 cables
- USB/RS-232 serial converter
- N (m) - BNC (f) Adapter
- Soft Accessory Pocket
- Ground Connection Kit

Package Price - £14,835

Option 02: ER8000 + AS-02 9kHz to 3GHz (LISN only usable up to 30MHz)



PMM ER8000



AS-02 Antenna

Standard Accessories:

- AC/DC converter with plug adapters
- AC cable for internal LISN
- PES Emission Suite
- USB, RS-232 cables
- USB/RS-232 serial converter
- N (m) - BNC (f) Adapter
- Soft Accessory Pocket
- Ground Connection Kit

Package Price - £16,190

Buy this setup and bring EMC testing in-house

To take advantage of this pre-built conducted immunity test system, arrange a demo, or find out more about our EMC test solutions and services, start a technical conversation with a member of our EMC solutions team.



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