

Military Test Solutions

for Radio and Avionics Systems

COBHAM

Improving your operational efficiency with faster on-site test solutions.



Radio Test

3515 Series Portable Radio Test Set Note 1



3515AR Portable Radio Communications Test Set

NSN: 6625-01-572-6346

- Includes spectrum analyzer, oscilloscope and test script language for automating tests, incorporating test instructions, data collection, etc.
- Test scripts available for radios and systems, including PRC-117F, PRC-148, fixed-wing and rotary-aircraft, vehicles and data radios

3515N Portable Radio Communications Test Set

NSN: 6625-01-538-0285

- USMC specific configuration

3515ARM Airborne Radio Maintenance System

NSN: 6625-01-617-3401

- 3515AR + rugged transit case + airborne maintenance kit
- Includes VSWR script for rotary aircraft

3515AR-EP Portable Radio Communications Test Set

NSN: 6625-01-618-8588

- Includes a test script for EPLRS radio test

3515LSR Life Support Radio Test System

- The 3515LSR System is comprised of the combination of the 3515AR PLUS the LSR Kit

NSN: 6625-01-572-6346 (3515AR Radio Test Set)

NSN: 6625-01-624-2023 (LSR Kit including Cables, Software, and RF Chamber)

- Purchase both NSN items for a complete system, or only the LSR Kit if you already have the 3515AR
- CPIN: 83C-3515ACCESSORYKIT-S001-00A
- T.O. NUMBER: 33A1-3-628-1
- 3515LSR System replaces the RCTS-003B

3920N Analog/Digital Radio Test Platform Note 1



NSN: 6625-01-583-9945

- 2.7 GHz operation
- DMM, tracking generator, audio analyzer
- P25 test capabilities, including:
 - Conventional mode
 - P25 trunking, including explicit mode
 - AES encryption
 - XTS® and XTL™-3000/5000 AutoTest

Ground Radio Maintenance Automated Test System (GRMATS) Note 1



GRMATS (AN/USM-718A)

NSN: 6625-01-589-2424

- Automated testing of tactical radios
- 2.6 GHz frequency range
- Next-generation radio testing

Avionics Test

Transponder, Interrogator, DME, TACAN and TCAS Test

IFR 6015 Ramp Test Set ^{Note 2}

NSNs: 6625-01-578-4893
6625-01-574-2423
6625-01-601-4034*

* Most current NSN, and is identified on unit serial tag

- Transponder Modes 1,2,3A/C/S, TCAS I, II, E-TCAS and TACAN

APM-424(V)5 Interrogator/Transponder MK XIIA Mode 5 Test Set ^{Note 1}

NSN: 6625-01-583-2774 (Includes KIV-77/Option B adapter)

- Transponder Test Modes 1, 2, 3/A, C, S (ELS/EHS), 4, Mode 5
- Interrogator Test Modes 1, 2, 3/A, C, S, 4, Mode 5, TCAS, ETCAS
- Shipboard interrogation

Note: Configurations also available w/ KIV-78 adapter

APM-424(V)4 Interrogator/Transponder Test Set ^{Note 1}

NSN: 6625-01-600-6784

- Transponder Test Modes 1, 2, 3/A, C, S (ELS/EHS), 4
- Interrogator Test Modes 1, 2, 3/A, C, S, 4, TCAS, ETCAS
- Shipboard interrogation
- MODE 5 upgradeable

Factory Upgrade Kits ^{Note 1}:

COMSEC adapters sold separately

Fielded Unit	Upgrade To: APM-424(V)4	Upgrade To: APM-424(V)5
APM-424(V)3	67197	86738
APM-424(V)4		88573
TS-4530/UPM	67197	86738
TS-4530-1/UPM		88572
TS-4542/UPM	67197	86738

Transponder, Interrogator, DME, TACAN and TCAS Test (cont.)

IFF-45TS MK XIIA/TACAN Bench Test Set ^{Note 1}

NSN: tbd

- DoD AIMS certified for MK XIIA IFF and Mode S performance (Levels 1 and 2)
- DO-260B compliant; ADS-B Out test capability

IFF-7300S Series Automated Test System ^{Note 1}

NSN: 6625-01-612-8238 (IFF-7300S-02)

- Automated return-to-service testing (Level 1)
- Automated module level diagnostics (Level 2)
- Manual mode testing using Aeroflex's proprietary Virtual Panel application software.

Nav/Comm Test

IFR 4000 Nav/Comm Test Set

NSN: 6625-01-516-4656

- Tests VOR, ILS, Marker Beacon and VHF/UHF
- ELT software upgrade available*

*NSN: 6625-01-553-1956 with ELT option installed

IFR 4000AR Nav/Comm Test Set ^{Note 2}

NSN: 6625-01-559-2384

- Contract#: W58RGZ-09-D-0007
- IFR 4000 plus added protective cover

Avionics Test

Fuel Quantity Test



PSD90-1C AC/DC Fuel Capacitance Test Set

NSN: 4920-01-510-5628 (F16 fleet) ^{Note 1}
4920-01-528-2230 (non F16 fleet)

- Tests any AC or DC capacitive system*

PSD60-1AF AC Capacitance Fuel Quantity Test Set ^{Note 2}

NSN: 6625-01-297-5305

- Tests any AC capacitive system*



*Aircraft-specific interface cables are required and must be purchased separately.

GPS Satellite Simulation



GPSG-1000 Portable Satellite Simulator ^{Note 2}

NSN: 6625-01-616-2712 (12 channel config)

- GPS signals simulated: L1, L1C, L2C, L5
- Galileo signals simulated: E1, E5, E5a, E5b
- Static and dynamic simulations via NMEA-0183 File Record and Playback
- 6 or 12 channel configurations available with upgrade path (RAIM supported)

Radio Altimeter Test



ALT-8015 Military Radio Altimeter Flightline Test Set ^{Note 2}

NSN: 6625-01-644-1512

- Tests military pulse radio altimeters
- Tests FMCW radio altimeters, including analog CDF types
- Direct-connect to UUT T/R or to installed system via antenna couplers

Note 1

EXPORT CONTROL:

This product is controlled for export under the International Traffic in Arms Regulations (ITAR). A license from the U.S. Department of State is required prior to the export of this product from the United States.

EXPORT WARNING:

Aeroflex's military products are controlled for export under the International Traffic in Arms Regulations (ITAR) and may not be sold or proposed of offered for sale to certain countries including: Belarus, Burma, China, Cuba, Haiti, Iran, Liberia, Libya, North Korea, Somalia, Syria, Sudan, and Vietnam. See ITAR 126.1 for complete information.

Note 2

This product is subject to the Export Administration ("EAR") (15 CFR 730-774) and may not be exported, re-exported or otherwise transferred to a foreign person, or outside the United States without authorization from the U.S. Department of Commerce.

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