



Military Test Solutions
for Radio and Avionics Systems



Radio Communications Test Systems (RCTS)



RCTS-001 (AN/GRM-122)

NSN: 6625-01-432-8369

- Automated testing of SINCGARS and ground radios

RCTS-002HQ (AN/ARM-204A)

NSN: 6625-01-497-5073

- Automated testing of HAVEQUICK II and airborne radios

RCTS-003B (Discontinued)

NSN: 6625-01-556-0332

- Replaced by 3515LSR Life Support Radio Test System

RPM-012 Radio Personality Module

NSN: 4920-01-552-0586

- ADF and VOR/ILS test add-on to RCTS Series

GRM-122 AV Kit

NSN: 4920-01-551-6540

- AV/COM kit upgrade for the GRM-122



3920N Analog/Digital Radio Test Platform

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

3515 Series

Portable Radio Test Set



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

Transponder, Interrogator, DME, TACAN and TCAS Test

IFR 6015 Ramp Test Set

NSN: 6625-01-574-2423

- 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

NSN: 6625-01-583-2774 (Includes KIV-77 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

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:

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

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

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

NSN: 6625-01-559-2384

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

Fuel Quantity Test



PSD90-1C AC/DC Fuel Capacitance Test Set

NSN: 4920-01-510-5628 (F16 fleet)
4920-01-528-2230 (non F16 fleet)

- Tests any AC or DC capacitive system*



PSD60-1AF AC Capacitance Fuel Quantity Test Set

NSN: 6625-01-297-5305

- Tests any AC capacitive system*

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

Radio Altimeter Test



ALT-8015 Military Radio Altimeter Flightline Test Set

NSN: tbd

- 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

AEROFLEX

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