

The IFR RCTS-001 provides “State of the Art” capabilities for semi-automated testing of SINCGARS tactical communications



### RCTS-001 Radio Test System

The RCTS-001 (AN/GRM-122) is the Radio Test System that is currently being fielded for use by the Military to verify, test and repair the SINCGARS Radios and their associated LRUs. The RCTS-001 (AN/GRM-122) SINCGARS Test System is made up of the general purpose FM/AM-1600 (TS-4317) Frequency Agile Communication Test Set in association with the J-1601A (J-4843A) Generic Applique Housing with RPM-001 (PL-1536) SINCGARS Applique in support of SINCGARS Ground and Airborne Radio System verification, testing and repair. RPM-001 provides the interface functions necessary for level translation, signal conditioning, data communication and data processing between the FM/AM-1600 (TS-4317) and the SINCGARS Radios. Through this interface the Radio's receiver and transmitter functions can be fully exercised and tested in both single channel mode and frequency hopping mode per pre-defined test criteria. All SINCGARS LRUs listed below (reference detailed list opposite) can be verified, tested and repaired when used in conjunction with the ON-373B (Cables, Repair Manuals, Special Tools, etc.) and ON-AV1M Airborne Kit.

- Ground Radios      Loudspeaker
- Airborne Radios    Dual RF PA
- Remote Controls    Single Radio Mount
- Fill Devices        Amplifier Adapters
- Control Monitors   Remote Control Unit
- RF Amplifiers      Y Cable
- Battery Box        FH Mux
- Battery Tray

### RPM-001 (PL-1536) SINCGARS RPM Accessories

IFR Accessory Number	Equivalent Military Model No	Description
J-1601AR	(J-4843AR)	J-4843 to J-4843A/PL-1536 upgrade Kit
AC8340		Antenna Matching Network for RPM-001
TF-119A	(TF-119A)	BIT Test Adapter for RPM-001
LK-122		Lockout Key for RPM-001
ON-373B	(ON-373B)	SINCGARS Maintenance Group - ASIP
ON-AV1M		SINCGARS Maintenance Group - Airborne

LRU	G/A <sup>(1)</sup>	DESCRIPTION	VERSION	MANUFACTURER
RT-1439	G	RT	Non-ICOM	ITT
RT-1523	G	RT	ICOM	ITT
RT-1523A	G	RT	ICOM	GDLS
RT-1523B	G	RT	ICOM PI/Cosite	ITT
RT-1523C	G	RT	ICOM SIP	ITT
RT-1523D	G	RT	ICOM SIP	GDLS
RT-1523E	G	RT	ASIP	ITT
RT-1476	A	RT		ITT
RT-1476A	A	RT	ICOM Capable	ITT
RT-1476C	A	RT	PI	ITT
RT-1477	A	RT Remote		ITT
RT-1477A	A	RT Remote	ICOM Capable	ITT
RT-1477C	A	RT Remote	PI	ITT
RT-1478	A	RT 1553		ITT
RT-1478A	A	RT 1553	ICOM Capable	ITT
RT-1478C	A	RT 1553	PI	ITT
RT-1478D	A	RT 1553	SIP	ITT
C-11466	A	Remote control		ITT
C-11466A	A	Remote control	ICOM	ITT
MX-10579	G	Fill Device	Non-ICOM	ITT
MX-18290	G	Fill Device	ICOM	ITT
C-11291	G	Control-Monitor		ITT
C-11291A	G	Control-Monitor		GDLS
AM-7238	G	RF Amplifier		ITT
AM-7238A	G	RF Amplifier		GDLS
AM-7238B	G	RF Amplifier	"Bathtub"	ITT
CY-8664	G	Battery Tray		ITT
CY-8523A	G	Battery Box		ITT
CY-8523B	G	Battery Box		GDLS
CY-8523C	G	Battery Box		(TBD)
LS-671	G	Loudspeaker		ITT
MT-6353	G	Dual RF PA		ITT
MX-10862	G	Single Radio Mount		ITT
AM-7239	G	Amplifier Adapter		ITT
AM-7239A	G	Amplifier Adapter		GDLS
AM-7239B	G	Amplifier Adapter	Dual Xmit	ITT
AM-7239C	G	Amplifier Adapter	SIP	ITT
AM-7239D	G	Amplifier Adapter	SIP	GDLS
AM-7239E	G	Amplifier Adapter	ASIP	ITT
C-11561	G	Remote Control Unit		ITT
CX-13417	G	Y Cable		ITT
TD-1456	G	FH Mux		XETRON

Note <sup>(1)</sup>: G/A Denotes Aircraft (A) or Ground (G) LRU Type.

**CHINA**

Tel: [+86] (10) 6467 2823

Fax: [+86] (10) 6467 2821

**EUROPE NORTH**

Tel: [+44] (0) 1438 742200

Fax: [+44] (0) 1438 727601

**EUROPE SOUTH**

Tel: [+44] (0) 1438 742200

Fax: [+44] (0) 1438 727601

**FRANCE**

Tel: [+33] 1 60 79 96 00

Fax: [+33] 1 60 77 69 22

**GERMANY**

Tel: [+49] (8131) 29260

Fax: [+49] (8131) 2926130

**HONG KONG**

Tel: [+852] 2832 7988

Fax: [+852] 2834 5364

**LATIN AMERICA**

Tel: [+1] (972) 899 5150

Fax: [+1] (972) 899 5154

**SCANDINAVIA**

Tel: [+45] 9614 0045

Fax: [+45] 9614 0047

**SPAIN**

Tel: [+34] (91) 640 11 34

Fax: [+34] (91) 640 06 40

**UNITED KINGDOM**

Tel: [+44] (0) 1438 742200

Toll Free: [+44] (0800) 282 388 (UK only)

Fax: [+44] (0) 1438 727601

**USA**

Tel: [+1] (316) 522 4981

Toll Free: [+1] (800) 835 2352 (US only)

Fax: [+1] (316) 522 1360

email ***info@ifrsys.com***

web ***www.ifrsys.com***

As we are always seeking to improve our products, the information in this document gives only a general indication of the product capacity, performance and suitability, none of which shall form part of any contract. We reserve the right to make design changes without notice. All trademarks are acknowledged. Parent company IFR Systems, Inc. © IFR 2002.

Part No. 46891/135

Issue 1

06/2002

