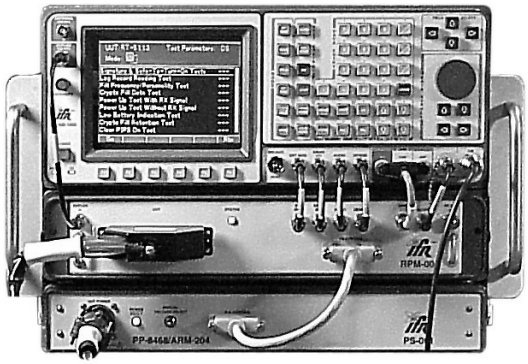
Frequency Agile

RCTS-004 Radio Test Set

The IFR RCTS-004 provides "State of the Art" capabilities for semi-automated testing of Canadian IRIS communications systems



RCTS-004 Radio Test Systems

The RCTS-004 RadioTest System is made up of the general purpose FM/AM-1600 (TS-4317) Communication Test Set in association with the J-1601A (J-4843A) Generic Applique Housing with RPM-004 (PL-5005) and PS-001 (PP-8468) LRU Power Supply. The RCTS-004 RadioTest System is a self-contained, transportable, semi-automated Test System that may be used for a "go/no-go" evaluation, full functional testing and troubleshooting. The RCTS-004 RadioTest System is currently being used by the Canadian Military to verify, test and repair the Canadian IRIS Family of Radios. All LRUs listed below can be verified, tested and repaired when used in conjunction with the Maintenance Group (Cables, Repair Manuals, Special Tools, etc.) supplied by IFR.

CNR(P) Radio
CNR(P) VIU
LAR

RPM-004 CANADA IRIS RPM ACCESSORIES

TF-400	BIT Test Adapter for PL-5005
LK-400	Lockout Key for PL-5005

PS-001 (PP-8468) Generic LRU Power Supply

The PS-001 (PP-8468) connects to the bottom of the RCTS configuration to supply primary power for Units Under Test (UUT) and, in some cases, to the J-1601A (J-4843A) and RPM-004 (PL-5005). The PS-001 (PP-8468) is capable of supplying programmable voltage levels from 3 to 30 V at up to 20 A. Additional voltages are provided for secondary needs.

PS-001 (PP-8468) Generic LRU Power Supply Configurations

Supply Output	*Output Voltage (VDC)*	*Line Regulation %*	*Total Regulation %*	*Peak Ripple (mV)*	*Minimum Load(A)*	*Typical Load(A)*	*Maximum Load(A)*
Switched Outputs:							
1	3.00 - 14.99	±2.0 (NL--FL)	±7 (NL--FL)	<220	0.8	N/A	10
1	15.00 - 30.00	±2.0 (NL--FL)	±7 (NL--FL)	<220	0.8	N/A	20
2	2.50 - 5.00	±8.0 (NL--FL)	±12 (NL--FL)	<70	0.8	N/A	2
3	2.00 - 28.00	±8.0 (NL--FL)	±12 (NL--FL)	<70	0.8	N/A	1
4	6	±2.0 (NL--FL)	±4 (NL--FL)	<70	0.5	0.5	1
5	12	±2.0 (NL--FL)	±10 (NL--FL)	<70	0.2	0.35	1
Continuous Outputs:							
6	24	±2.0 (10% FL--FL)	±8(10% FL--FL)	<70	0.1	1.5	1.8
7	5	±2.0 (10% FL--FL)	±4(10% FL--FL)	<70	2.2	3	4
8	15	±2.0 (10% FL--FL)	±4(10% FL--FL)	<70	0.75	1	2
9	15	±2.0 (10% FL--FL)	±4(10% FL--FL)	<70	0.075	0.1	0.5

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