

### 3. SPECIFICATION

#### 3.1 50-063701 Parts Lists

50-063702	BASE ANT SIDE UHF DUPLEX/PA CHASSIS	1
50-063703	DOWNLINK UHF 5 CHANNEL CHASSIS	1
50-063704	UPLINK UHF 4 CHANNEL CHASSIS	1
50-063705	LCX SIDE UHF DUPLEX/PA CHASSIS	1
50-063706	UHF SIMPLEX CHANNEL CHASSIS	1
50-063707	POWER SUPPLY CHASSIS, 110V AC INPUT	1
97-500033	38U RACK 38U 600 x 600mm RAL7035	1
97-500065	EURORACK GND/EARTHING KIT	1

#### 3.1.1 Base Antenna Side UHF Duplex/PA Shelf 50-063702 Parts List

02-010701	5POLE UHF COMBLINE BANDPASS FILTER	2
05-002603	UHF 3dB SPLITTER SMA	1
08-004905	25Watt 2 PORT ISOLATOR N 330-470MHz	1
10-000701	1/4Watt 0-30dB SWITCHED ATTENUATOR	1
11-006102	LPA 380-500MHz 1Watt	1
11-007302	LNA. 380-500MHz 20dB	1
11-007402	LNA. 380-500MHz 30dB	1
12-016301	POWER AMPLIFIER 380-470MHz 20Watt CLASS A	1
17-004327	ATTENUATOR COVER	1
17-004730	ATTENUATOR MOUNTING	1
19-000826	19" CHASSIS 400mm DEEP LID	1
19-001021	4U 19" RACKMOUNT 400mm DEEP CHASSIS	1
19-001024	4U 19" CHASSIS FRONT PANEL	1
80-063820	HEATSINK 20Watt PA	1
91-030002	N ADAPTOR PANEL FEMALE/FEMALE	1
91-130005	SMA BULKHEAD ADAPTOR FEMALE/FEMALE	2
91-500001	POWER PLUG 3 PIN PANEL MOUNT NC-X	1
91-600014	'D' 9 WAY SOCKET (NON FILTERED)	3
91-600015	'D' 9 WAY PLUG (NON FILTERED)	1
91-600019	'D'15 WAY SHELL (2W7)	1
91-640004	LARGE PIN FOR 91-660001 D SOCKET	2
91-660001	2W5 MIXED D TYPE SOCKET (7 WAY)	1
96-110021	T10A 0.25 x 1.25' FUSE CERAMIC	2
96-110034	FUSE HOLDER 16-30A, 32mm	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1
97-400002	4U HANDLE [ALLOY]	2

### 3.1.2 Downlink UHF 5 Channel Shelf 50-063703 Parts List

05-002603	UHF 3dB SPLITTER SMA	2
05-003803	3 WAY SPLITTER, UHF	4
13-001803	DUAL DC/DC CONVERTER 24V-12V 1A	2
17-003012	CHANNEL MODULE 450MHz, 15kHz (8p)	5
19-000826	19" CHASSIS 400mm DEEP LID	1
19-001021	4U 19" RACK MOUNT 400mm DEEP CHASSIS	1
19-001024	4U 19" CHASSIS FRONT PANEL	1
20-001601	12V RELAY BOARD	3
91-130005	SMA BULKHEAD ADAPTOR FEMALE/FEMALE	2
91-500001	POWER PLUG 3 PIN PANEL MOUNT NC-X	1
91-600015	'D' 9 WAY PLUG (NON FILTERED)	1
91-620001	'D' 25 WAY SOCKET	5
93-930003	SMA 50ohm TERMINATION	2
96-110001	FUSE HOLDER 20 x 5mm6.3A	1
96-110011	T 4A A.SURGE FUSE 20mm	2
96-600002	INSULATING BOOT SMALL	1
96-600003	INSULATING BOOT D.C.	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1
97-400002	4U HANDLE [ALLOY]	2

### 3.1.3 Uplink UHF 4 Channel Shelf 50-063704 Parts List

05-002603	UHF 3dB SPLITTER SMA	1
05-003401	4 WAY SPLITTER LOW POWER	1
05-003803	3 WAY SPLITTER, UHF	2
13-001803	DUAL DC/DC CONVERTER 24V-12V 1A	2
17-003012	CHANNEL MODULE 450MHz, 15kHz (8p)	4
19-000826	19" CHASSIS 400mm DEEP LID	1
19-001021	4U 19" CHASSIS 400mm DEEP CHASSIS	1
19-001024	4U 19" CHASSIS FRONT PANEL	1
20-001601	12V RELAY BOARD	2
91-130005	SMA BULKHEAD ADAPTOR FEMALE/FEMALE	3
91-500001	POWER PLUG 3 PIN PANEL MOUNT NC-X	1
91-600015	'D' 9 WAY PLUG	1
91-620001	'D' 25 WAY SOCKET	4
93-930003	SMA 50ohm TERMINATION	1
96-110001	FUSE HOLDER 20 x 5mm6.3A	1
96-110011	T 4A A.SURGE FUSE 20mm	2
96-600002	INSULATING BOOT SMALL	1
96-600003	INSULATING BOOT D.C.	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1
97-400002	4U HANDLE [ALLOY]	2

### 3.1.4 Tunnel side UHF Duplex/PA Shelf 50-063705 Parts List

02-010701	5POLE COMBLINE BANDPASS FILTER	2
10-000701	1/4Watt 0-30dB SWITCHED ATTENUATOR	1
11-006102	LPA 380-500MHz 1Watt	1
11-007302	LNA. 380-500MHz 20dB	1
11-007402	LNA. 380-500MHz 30dB	1
12-016301	POWER AMPLIFIER 380-470MHz 20Watt CLASS A	1
13-001803	DUAL DC/DC CONVERTER 24V-12V 1A	1
17-004327	ATTENUATOR COVER	1
17-004730	ATTENUATOR MOUNTING	1
19-000826	19" CHASSIS 400mm DEEP LID	1
19-001021	4U 19" RACK MOUNT 400mm DEEP CHASSIS	1
19-001024	4U 19" CHASSIS FRONT PANEL	1
80-063820	HEATSINK 20Watt PA	1
91-030002	N ADAPTOR PANEL FEMALE/FEMALE	1
91-130005	SMA BULKHEAD ADAPTOR FEMALE/FEMALE	2
91-500001	POWER PLUG 3 PIN PANEL MOUNT NC-X	1
91-600014	'D' 9 WAY SOCKET (NON FILTERED)	3
91-600015	'D' 9 WAY PLUG (NON FILTERED)	1
91-600019	'D'15 WAY SHELL (2W7)	1
91-640004	LARGE PIN FOR 91-660001 D SOCKET	2
91-660001	2W5 MIXED D TYPE SOCKET (7 WAY)	1
96-110021	T10A 0.25 x 1.25' FUSE CERAMIC	2
96-110034	FUSE HOLDER 16-30A, 32mm	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1
97-400002	4U HANDLE [ALLOY]	2

### 3.1.5 UHF Simplex Shelf 50-063706 Parts List

02-010701	5POLE COMBLINE BANDPASS FILTER	2
08-930003	2 PORT ISOLATOR 360-470MHz SMA	1
10-000701	1/4Watt 0-30dB SWITCHED ATTENUATOR	1
11-006102	LNA 380-500MHz 1Watt	2
11-007402	LNA. 380-500MHz 30dB	3
13-001803	DUAL DC/DC CONVERTER 24V-12V 1A	2
13-002811	SIMPLEX CONTROLLER	1
17-001201	ALC ATTENUATOR	2
17-002802	SIMPLEX RX/SQUELCH & AF	2
17-004327	ATTENUATOR COVER	1
17-004730	ATTENUATOR MOUNTING	1
17-010802	CHANNEL MODULE 450MHz 8p 15kHz BW + IF OUT	2
19-000826	19" CHASSIS 400mm DEEP LID	1
19-001021	4U 19" RACK MOUNT 400mm DEEP CHASSIS	1
19-001024	4U 19" CHASSIS FRONT PANEL	1
20-001601	12V RELAY BOARD	1
91-030002	N ADAPTOR PANEL FEMALE/FEMALE	2
91-130005	SMA BULKHEAD ADAPTOR FEMALE/FEMALE	2
91-500001	POWER PLUG 3 PIN PANEL MOUNT NC-X	1
91-600014	'D' 9 WAY SOCKET (NON FILTERED)	5
91-600015	'D' 9 WAY PLUG (NON FILTERED)	1
91-620001	'D' 25 WAY SOCKET	1
96-110034	FUSE HOLDER 16-30A, 32mm	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1
97-400002	4U HANDLE [ALLOY]	2

### 3.1.6 Power Supply Shelf 50-063707 Parts List

80-008902	24V RELAY PCB ASSEMBLY	1
80-008920	DUAL PSU HEATSINK	2
80-008921	DUAL PSU CASE	1
80-008922	DUAL PSU LID	1
80-008925	DUAL PSU FRONT PANEL	1
91-510004	3 PIN PANEL MOUNT SOCKET NC-X	6
91-510035	3 WAY MATE N LOK PLUG HOUSING	2
91-520001	POWER MAINS INLET FIXED	1
91-520005	MAINS LEAD (IEC)	1
91-520010	MAINS RETAINING CLIP	1
91-520032	MATE N LOK SOCKET CONTACT 20/14 AWG	6
91-600015	'D' 9 WAY PLUG (NON FILTERED)	1
91-700017	ICD 15 WAY 0.1' CONNECTOR	1
91-700062	6 WAY 0.1' CONNECTOR	2
91-800015	TRIPLE DECK TERMINAL BLOCK	6
91-800016	TRIPLE DECK TERMINAL JUMPER	2
91-800017	TRIPLE DECK TERMINAL END	1
91-800031	SYMETRIC 35 x 7.5mm DIN RAIL	1
92-900014	DIN RAIL (TOP HAT) EARTH CLAMP M5	1
96-300054	24V 17A PSU 400W (XP BCC)	2
96-500005	DC INPUT FILTERS	6
96-500009	SURGE FILTER, 15A, 110V, DIN RAIL	1
96-600001	INSULATING BOOT LARGE	1
96-700034	LED RED 5mm IP67	1
96-700035	LED GREEN 5mm IP67	1