

### 3. SPECIFICATION

#### 3.1 9 Channel Channelised Cell Enhancer 50-025301 Parts Lists

AFL Part Nō.	Description	Qty.
50-025302	VTA-Downlink Duplexer Shelf	1
50-025303	VTA-Downlink Amplifier Shelf	1
50-025304	VTA-Downlink Channel Shelf	1
50-025305	VTA-Uplink Duplexer Shelf	1
50-025306	VTA-Uplink Amplifier Shelf	1

#### 3.1.1 VTA-Downlink Duplexer Shelf 50-025302 Parts List

02-011204	6P TETRA C/L FILT (NARROW) SMA	2
02-013401	6P CL FLTR(0.5 min BW)LARGE SMA ASSY	2
19-001021	4U 19" UNIT 400 DEEP CHASSIS + BKT	1
19-001024	4U 19" UNIT FRONT PANEL FAB	1
91-020004	N JACK PANEL UT-141	6

### 3.1.2 VTA Downlink Amplifier Shelf 50-025303 Parts List

AFL Part Nō.	Description	Qty.
05-002603	UHF 3dB SPLITTER SMA	2
10-000701	1/4W0-30dB SWITCHED ATTENUATOR	2
11-006102	LNA 380-500MHz 1W WITH RELAY	2
11-007302	LNA. 380-500MHz 20dB (C/W RELAY) GA	1
11-007402	LNA. 380-500MHz 30dB (C/W RELAY) GA	3
12-002201	3 STAGE AMPLIFIER ALARM BOARD	2
12-002220	3 STAGE ALARM PCB COVER	2
12-004201	PWR AMP.450MHz 20W version CLASS A	2
13-001702	VOLTAGE REGULATOR Board 12V	2
50-012820	CCE RACK MOUNTED 8U CHASSIS	1
50-012822	CCE RACK MOUNTED LID	1
50-012825	CCE RACK MOUNTED HEATSINK BRACKET	4
50-027720	RACK MTD CHAN C.E. MODIFIED HEATSIN	2
80-008902	24V RELAY PCB ASSEMBLY	1
80-032320	10W PA HEATSINK (NEEDS 17-000526)	1
80-090822	C/E 8U FRONT PANEL, AFL (RAL7035)	1
91-030002	N ADAPTOR PANEL FEMALE:FEMALE	8
91-100003	SMA PLUG ELBOW UT-141	4
91-130001	SMA ADAPT 'T' ALL FEMALE 3 GHZ	1
91-520003	POWER SWITCHD/FUSED MAINS INL.	1
91-600014	'D' 9 WAY SOCKET S/B (NON FILTERED)	2
91-600015	'D' 9 WAY PLUG S/B (NON FILTERED)	1
91-700017	ICD 15 WAY 0.1' CONNECTOR	5
93-540035	1K3 0.25W 1% RES MRS25 M:F	2
96-300054	24V 17A PSU 400W (XP BCC)	1
96-500005	DC INPUT FILTERS	1
96-700002	LED.GREEN 5mm SEALED IP66	1
96-700005	LED.RED 5mm SEALED IP66	1
97-400002	HANDLE TYPE H6803 4U.[ALLOY]	2

### 3.1.3 VTA Downlink Channel Shelf 50-025304 Parts List

05-002603	UHF 3dB SPLITTER SMA	2
05-003302	4 WAY SPLITTER GSM 900MHz	4
05-003401	4 WAY SPLITTER LOW POWER	4
17-002101	CHANNEL CONTROL MODULE	3
17-003022	MODULE PATTERNED LEAVE	8
17-003023	SUBRACK SIDE PANEL	4
17-003024	SUBRACK REAR BRACKET	8
17-003025	BOTTOM MODULE GUIDE	8
17-003028	MODULE SQUARE LEAVE	8
17-003029	TOP MODULE GUIDE	8
17-010601	CHAN MOD 480MHz, 15kHz B/W	9
97-000002	BLACK MODULE CAGE RUNNER	16
97-600001	SUBRACK FRONT HORIZ	4
97-600002	SUBRACK M2.5 STD TAP	4

### 3.1.4 VTA Uplink Duplexer Shelf 50-025305 Parts List

02-011204	6P TETRA C/L FILT (NARROW) SMA	2
02-013401	6P CL FLTR(0.5 min BW)LARGE SMA ASSY	2
19-001021	4U 19" UNIT 400 DEEP CHASSIS + BKT	1
19-001024	4U 19" UNIT FRONT PANEL FAB	1
91-020004	N JACK PANEL UT-141	6

### 3.1.5 VTA Uplink Amplifier Shelf 50-025306 Parts List

02-011204	6P TETRA C/L FILT (NARROW) SMA	1
02-013401	6P CL FLTR(0.5 min BW)LARGE SMA ASSY	1
10-000701	1/4W0-30dB SWITCHED ATTENUATOR	2
11-006102	LNA 380-500MHz 1W WITH RELAY	1
11-007302	LNA. 380-500MHz 20dB (C/W RELAY) GA	3
11-007402	LNA. 380-500MHz 30dB (C/W RELAY) GA	3
12-016301	PA 380-470MHz 20W CLASS A	1
13-001702	VOLTAGE REGULATOR Board 12V	2
13-003011	DC/DC CONVERTER 24-12V 8A PCB ASSY	1
17-001101	CELL ENHANCER AGC DETECTOR/AMP ASS	2
17-001201	C/E AGC UNIT ATTENUATOR ASSY	2
50-012820	CCE RACK MOUNTED 8U CHASSIS	1
50-012822	CCE RACK MOUNTED LID	1
50-012825	CCE RACK MOUNTED HEATSINK BRACKET	4
50-027720	RACK MTD CHAN C.E. MODIFIED HEATSIN	2
80-008902	24V RELAY PCB ASSEMBLY	1
80-032320	10W PA HEATSINK (NEEDS 17-000526)	1
80-090822	C/E 8U FRONT PANEL, AFL (RAL7035)	1
91-030002	N ADAPTOR PANEL FEMALE:FEMALE	4
91-100003	SMA PLUG ELBOW UT-141	4
91-130001	SMA ADAPT 'T' ALL FEMALE 3 GHZ	1
91-520003	POWER SWITCHD/FUSED MAINS INL.	1
91-600014	'D' 9 WAY SOCKET S/B (NON FILTERED)	2
91-600015	'D' 9 WAY PLUG S/B (NON FILTERED)	1
93-540035	1K3 0.25W 1% RES MRS25 M:F	2
96-300054	24V 17A PSU 400W (XP BCC)	1
96-500005	DC INPUT FILTERS	1
96-700002	LED.GREEN 5mm SEALED IP66	1
96-700005	LED.RED 5mm SEALED IP66	1
97-400002	HANDLE TYPE H6803 4U.[ALLOY]	2