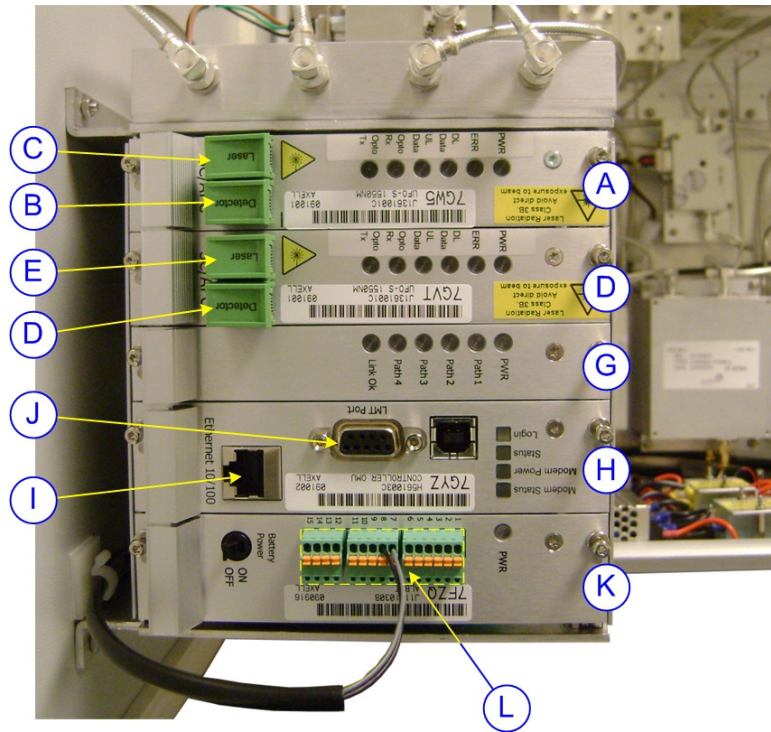


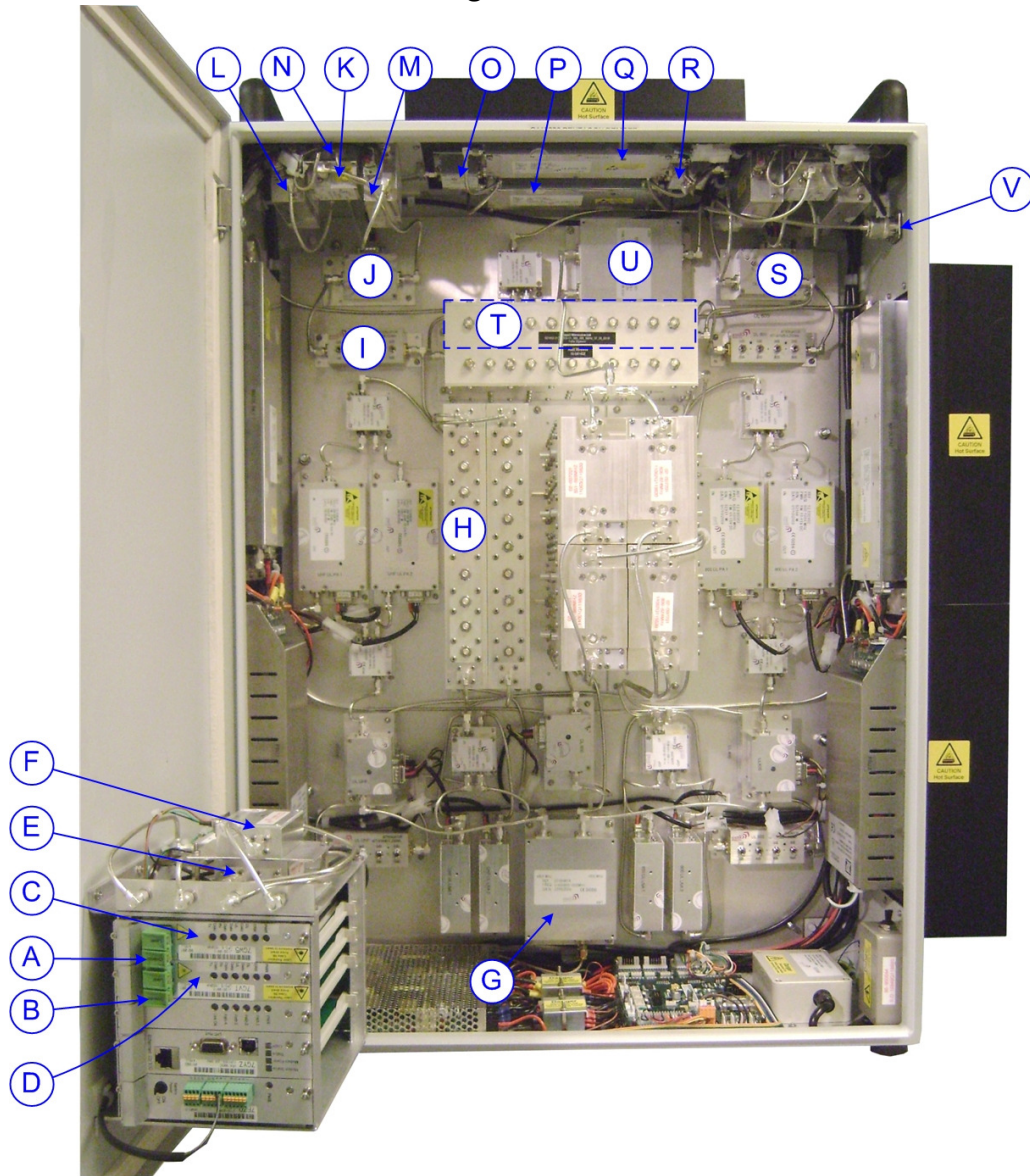
3.6. 60-232301 Interior Views

3.6.1. Interior View Showing Optical Connectors



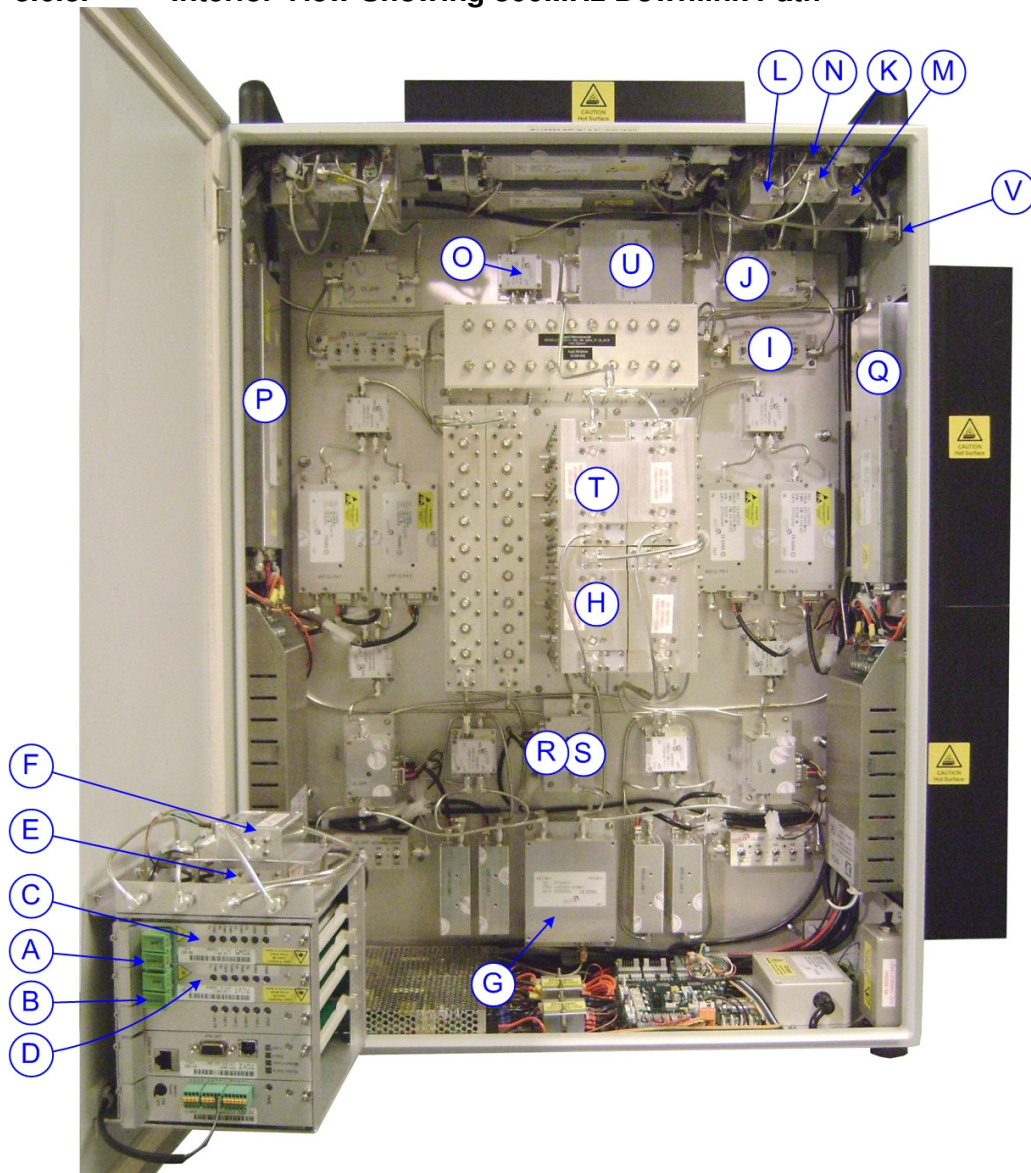
A	F/O TX/RX Module J1361001 (primary optical link)
B	SC/APC optical port – primary D/L fibre connection from master site
C	SC/APC optical port – Primary U/L fibre connection to master site
D	F/O TX/RX Module J1361001 (secondary optical link)
E	SC/APC optical port – secondary D/L fibre connection from master site
F	SC/APC optical port – secondary U/L fibre connection to master site
G	Communications Board Module 17-020602
H	Control Module H561003
I	RJ45 Ethernet socket enabling alarm/configuration by PC/laptop
J	9 pin “D” panel socket “LMT Port”, A local serial port enabling alarm/configuration by PC/laptop
K	External Alarm and Battery Module J1161030
L	Summary alarm output (terminals 7 & 8) to “ALARM” connector annotated “D” in section 3.5.

3.6.2. Interior View Showing UHF Downlink Path



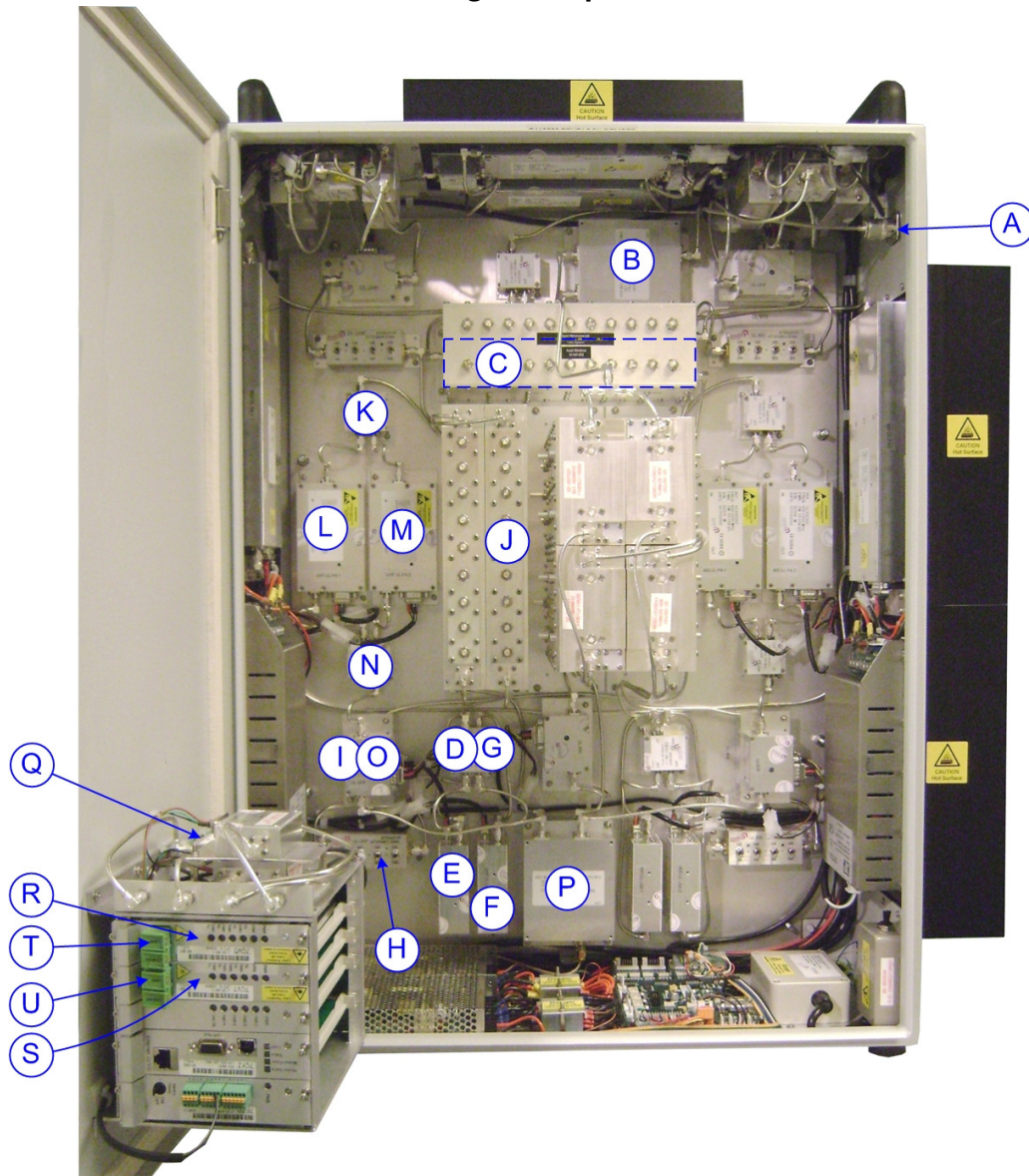
A	SC/APC optical port – primary D/L fibre connection from master site	
B	SC/APC optical port – secondary D/L fibre connection from master site	
C	F/O Transceiver Module J1361001 (primary optical link)	
D	F/O Transceiver Module J1361001 (secondary optical link)	
E	RF Relay Assembly 20-001507	
F	AGC Attenuator Module 17-016401	
G	Crossband Coupler 07-004814	
H	Bandpass Filter 02-010501	
I	Variable Switched Attenuator 0-15dB 10-000901	
J	AGC Detector Module 17-019802	
K	3dB Splitter/Combiner 05-002603 (splitting)	Q 5W Power Amplifier 12-021601 (2)
L	Low Noise Amplifier 30dB 11-007402 (1)	R 3dB Splitter/Combiner 05-002603 (combining)
M	Low Noise Amplifier 30dB 11-007402 (2)	S AGC Detector Module (+10 to +50dBm) 17-019801
N	3dB Splitter/Combiner 05-002603 (combining)	T Bandpass Duplexer Module 16-041402 (D/L path)
O	3dB Splitter/Combiner 05-002603 (splitting)	U Crossband Coupler 07-004814
P	5W Power Amplifier 12-021601 (1)	V N type port connection to DAS (D/L O/P)

3.6.3. Interior View Showing 800MHz Downlink Path



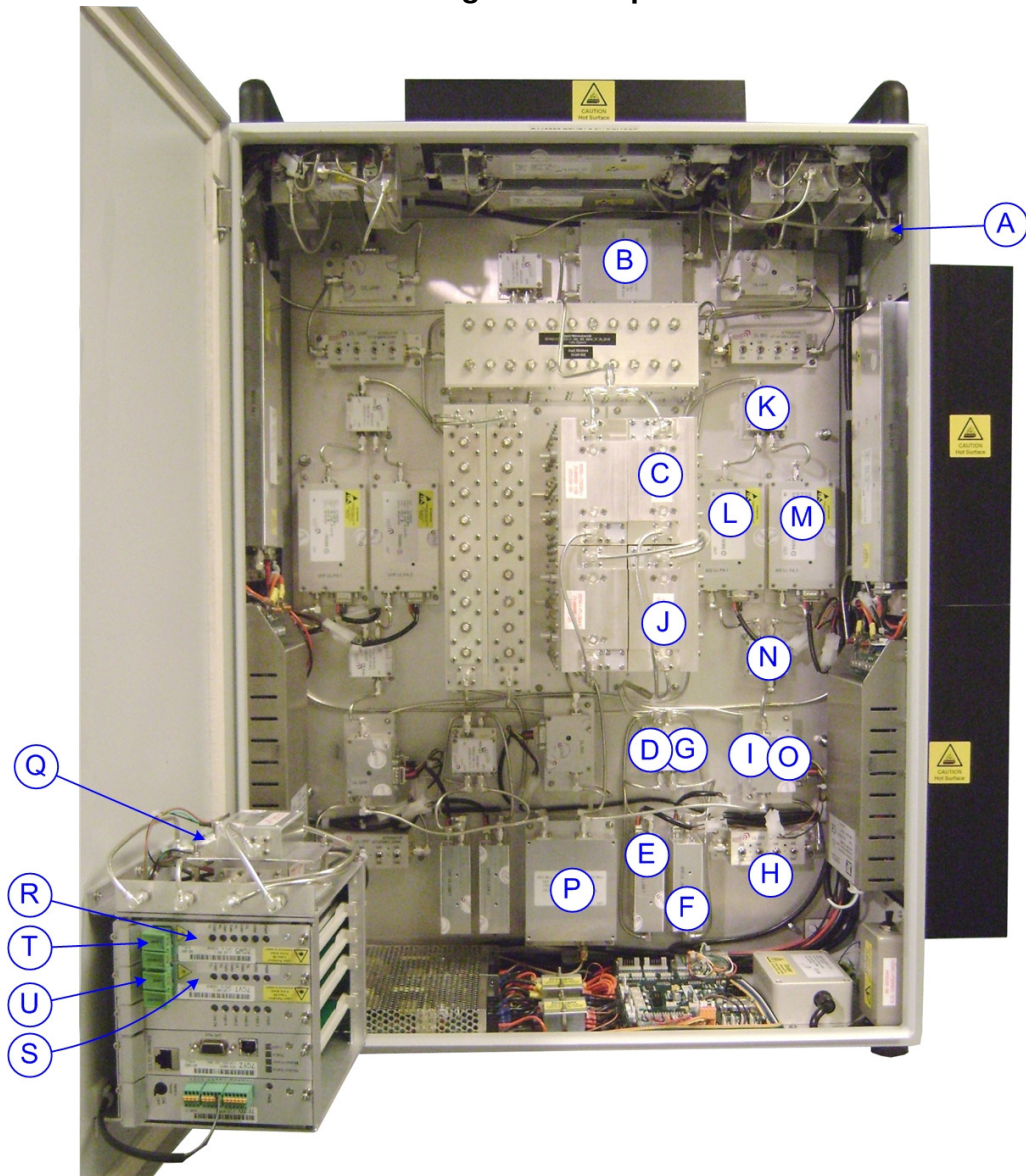
A	SC/APC optical port – primary D/L fibre connection from master site	
B	SC/APC optical port – secondary D/L fibre connection from master site	
C	F/O Transceiver Module J1361001 (primary optical link)	
D	F/O Transceiver Module J1361001 (secondary optical link)	
E	RF Relay Assembly 20-001507	
F	AGC Detector Module 17-019802	
G	Crossband Coupler 07-004814	
H	Bandpass Filter 02-007201	
I	Variable Switched Attenuator 0-15dB 10-000901	
J	AGC Attenuator Module 17-016401 (mounted below "I" in previous section)	
K	3dB Splitter/Combiner 05-002602 (splitting)	Q 20W Power Amplifier 12-023301 (2)
L	Low Noise Amplifier 29dB 11-006702 (1)	R 3dB Splitter/Combiner 05-002602 (combining)
M	Low Noise Amplifier 29dB 11-006702 (2)	S AGC Detector Module 17-019801 (below "Q")
N	3dB Splitter/Combiner 05-002602 (combining)	T Bandpass Filter 02-007201
O	3dB Splitter/Combiner 05-002602 (splitting)	U Crossband Coupler 07-004814
P	20W Power Amplifier 12-023301 (1)	V N type port connection to DAS (D/L O/P)

3.6.4. Interior View Showing UHF Uplink Path



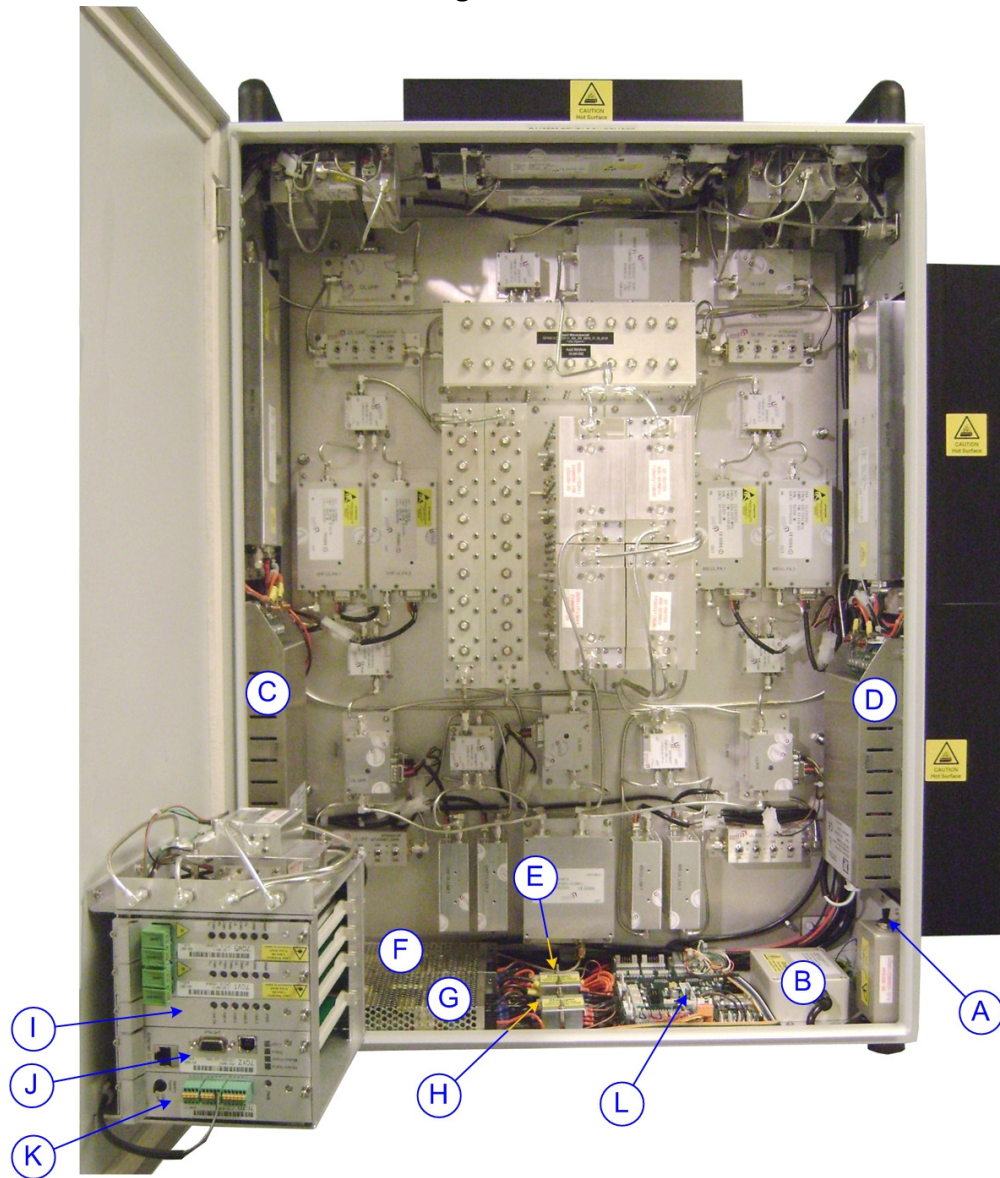
A	N type port connection to DAS (D/L O/P)	B	Crossband Coupler 07-004814
C	Bandpass Duplexer Module 16-041402 (U/L path)		
D	3dB Splitter/Combiner 05-002603 (splitting) (below "G")		
E	Low Noise Amplifier 30dB 11-007402 (1)	F	Low Noise Amplifier 30dB 11-007402 (2)
G	3dB Splitter/Combiner 05-002603 (combining)		
H	Variable Switched Attenuator 0-30dB 10-000701		
I	AGC Attenuator Module 17-016401 (below "O")		
J	Bandpass Filter 02-010501		
K	3dB Splitter/Combiner 05-002603 (splitting)		
L	1W Low Power Amplifier 33dB 12-030301 (1)	M	1W Low Power Amplifier 33dB 12-030301 (2)
N	3dB Splitter/Combiner 05-002603 (combining)		
O	AGC Detector Module 17-019802		
P	Crossband Coupler 07-004814		
Q	3dB Splitter/Combiner 05-002901		
R	F/O TX/RX Module J1361001 (primary optical link)		
S	F/O TX/RX Module J1361001 (secondary optical link)		
T	SC/APC optical port – primary fibre connection to master site		
U	SC/APC optical port – secondary fibre connection to master site		

3.6.5. Interior View Showing 800MHz Uplink Path



A	N type port connection to DAS (D/L O/P)	B	Crossband Coupler 07-004814
C	Bandpass Filter 02-007201		
D	3dB Splitter/Combiner 05-002602 (splitting) (below "G")		
E	Low Noise Amplifier 29dB 11-006702 (1)	F	Low Noise Amplifier 29dB 11-006702 (2)
G	3dB Splitter/Combiner 05-002602 (combining)		
H	Variable Switched Attenuator 0-30dB 10-000701		
I	AGC Attenuator Module 17-016401 (below "O")	J	Bandpass Filter 02-007201
K	3dB Splitter/Combiner 05-002602 (splitting)		
M	1W Low Power Amplifier 30dB 12-030302 (2)	L	1W Low Power Amplifier 30dB 12-030302 (1)
N	3dB Splitter/Combiner 05-002602 (combining)	O	AGC Detector Module 17-019802
P	Crossband Coupler 07-004814	Q	3dB Splitter/Combiner 05-002901
R	F/O TX/RX Module J1361001 (primary optical link)		
S	F/O TX/RX Module J1361001 (secondary optical link)		
T	SC/APC optical port – primary fibre connection to master site		
U	SC/APC optical port – secondary fibre connection to master site		

3.6.6. Interior View Showing DC and Alarm Modules



A	AC Trip Switch 96-900037
B	Mains Filter Assembly 13-003301
C	600W PSU Module 96-300067
D	600W PSU Module 96-300067
E	Dual Diode Assembly 94-100004 (combining O/Ps from "C" and "D")
F	DC/DC Converter 90-850327
G	DC/DC Converter 90-850327
H	Dual Diode Assembly 94-100004 (combining O/Ps from "F" and "G")
I	Communications Board Module 17-020602
J	Control Module H561003
K	External Alarm and Battery Module J1161030
L	Generic Interface Board Assembly 17-020001

M	12V Relay PCB Assemblies 80-008901
N	Multi-Voltage DC/DC Converter J1421001

