

OUTPUT SWITCH CONTROL ALARM	
ALARM DETECTION	SSPA output switch returns its present position to ACU, coded on 2 dry loops. Alarm is raised by ACU if, after commanding an SSPA output switch, it detects that the position of the switch has not changed
AUTOMATIC RFT ACTION	ACU disables all the SSPA modules of the chain
ALARM INDICATION CLEARED	Not applicable
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only one polarization transmit chain is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Switch has failed
GTS ACTIONS	

SSPA MODULE SUMMARY ALARM	
ALARM DETECTION	SSPA module opens dry loop connected to ACU when any one of the following 3 alarm conditions is detected : <ul style="list-style-type: none"> <li>• Power supply unit fails</li> <li>• Drain current exceeds high threshold</li> <li>• Thermal sensor detects temperature above high threshold</li> </ul>
AUTOMATIC RFT ACTION	SSPA module automatically shuts off its power supply. ACU disables the SSPA module (power supply shut off), thus forcing permanent alarm state
ALARM INDICATION CLEARED	Not applicable
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only one SSPA module is affected : chain's output power decreases (refer to soft failure operation)
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	SSPA module has failed
GTS ACTIONS	Compensate for decreased power level (refer to soft failure operation)

UP CONVERTER SUMMARY ALARM	
ALARM DETECTION	Up converter opens dry loop connected to ACU when it detects that the transmit synthesizer is unlocked
AUTOMATIC RFT ACTION	The ACU configures the SSPA output to be connected to the dummy load
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only one polarization transmit chain is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Up converter has failed
GTS ACTIONS	

DOWN CONVERTER SUMMARY ALARM	
ALARM DETECTION	Down converter opens dry loop connected to ACU when it detects that the receive synthesizer is unlocked
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only one polarization receive chain is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Down converter has failed
GTS ACTIONS	

<b>LNA SUMMARY ALARM</b>	
ALARM DETECTION	Converter unit feeds LNA with power : Converter opens dry loop connected to ACU when it detects power supply current to LNA exceeds low (100mA) or high (450mA) threshold
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears (module replaced)
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only one polarization receive chain is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	LNA unit has failed
GTS ACTIONS	

<b>AUTOTRACKING DOWN CONVERTER SUMMARY ALARM</b>	
ALARM DETECTION	Autotracking Down Converter opens dry loop connected to ACU when it detects that the receive synthesizer is unlocked
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes, outside autotracking functions, antenna is fully operational
PERFORMANCE DEGRADATIONS	Autotracking function is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Autotracking Down Converter has failed
GTS ACTIONS	

<b>AUTOTRACKING LNA SUMMARY ALARM</b>	
ALARM DETECTION	Converter unit feeds LNA with power : Converter opens dry loop connected to ACU when it detects power supply current to LNA exceeds low (100mA) or high (450mA) threshold
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears (module replaced)
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Only Autotracking receive chain is affected
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	LNA unit has failed
GTS ACTIONS	

<b>POWER SENSOR BOX LOW TEMPERATURE ALARM</b>	
ALARM DETECTION	A thermal sensor in the power sensor casing opens dry loop connected to ACU if temperature remains below operational threshold
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When temperature rises above low threshold
CONTINUED ANTENNA OPERATION	To be defined
PERFORMANCE DEGRADATIONS	Measurement results not reliable
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Casing heater has failed
GTS ACTIONS	

OUTDOOR CABINET FIRE ALARM	
ALARM DETECTION	Smoke detector or high temperature detector in the outdoor cabinet opens dry loop connected to ACU
AUTOMATIC RFT ACTION	The RFT waits long enough to ensure that the alarm can be reported to the GTS before automatically disabling hub power
ALARM INDICATION CLEARED	Not applicable
CONTINUED ANTENNA OPERATION	No
PERFORMANCE DEGRADATIONS	Not applicable
OPERATOR ACTION REQUIRED AT ANTENNA	Operator action at the antenna is required to re-enable outdoor cabinet power
FAULT ISOLATION	Any piece of equipment in the outdoor cabinet is burning
GTS ACTIONS	

10 MHz DISTRIBUTION TRAY SUMMARY ALARM	
ALARM DETECTION	10 MHz Distribution tray opens dry loop connected to ACU when any one of the following 2 alarm conditions is detected : <ul style="list-style-type: none"> <li>• Power supply unit fails</li> <li>• 10 MHz reference signal is not present at output of tray</li> </ul>
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	No
PERFORMANCE DEGRADATIONS	Not applicable
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	10 MHz Distribution tray is failed. Consequently, Up Converter, Down Converter and Test Translator, on both polarizations, as well as Monopulse receiver and Autotracking Down Converter signal summary alarms
GTS ACTIONS	

PRESSURIZER SUMMARY ALARM	
ALARM DETECTION	The pressurizer unit in the outdoor cabinet opens dry loop connected to ACU when it detects a summary alarm condition
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Feed horn may be operating outside specified environmental conditions
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Air leakage in pressurizer circuit Pressurizer unit failed
GTS ACTIONS	

OUTDOOR CABINET OPEN DOOR ALARM	
ALARM DETECTION	Contacts on all 4 doors of the outdoor cabinet open dry loop connected to ACU when any one detects open door.
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When all doors are closed
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Outdoor cabinet equipment may be operating outside specified environmental conditions
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	None
GTS ACTIONS	

AIR COOLER UNIT SUMMARY ALARM	
ALARM DETECTION	The air cooler unit opens dry loop connected to <ul style="list-style-type: none"> <li>• ACU when it detects a summary alarm condition : circuit breaker has blown</li> <li>• temperature sensor has detected high temperature</li> </ul>
AUTOMATIC RFT ACTION	Redundant Air Cooler is switched in
ALARM INDICATION CLEARED	When temperature falls below high threshold
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	Outdoor cabinet is running on one air cooler unit only, max temperature will be 47°C in worst environmental conditions
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	The air cooler has failed
GTS ACTIONS	

<b>E-IFL MINOR ALARM</b>	
ALARM DETECTION	The E-IFL subrack has redundant power supplies. The two summary alarm dry loops of the power supplies are connected in series. A minor alarm is declared when one of the power supply fails
AUTOMATIC RFT ACTION	None, E-IFL subrack is still operational
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	None
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	One power supply module of the E-IFL subrack is failed
GTS ACTIONS	

<b>E-IFL MAJOR ALARM</b>	
ALARM DETECTION	The E-IFL subrack is equipped with 5 transmission modules. The five summary alarm dry loops of the modules are connected in series. A major alarm is declared when one or more of the modules fail, or when both power supplies fail.
AUTOMATIC RFT ACTION	None
ALARM INDICATION CLEARED	When alarm condition disappears
CONTINUED ANTENNA OPERATION	Yes
PERFORMANCE DEGRADATIONS	None
OPERATOR ACTION REQUIRED AT ANTENNA	Yes
FAULT ISOLATION	Fault can be traced to a specific module depending on chain reaction in the RFT
GTS ACTIONS	

#### 5.3.3.2 – Hub heating troubleshooting

TBD

#### 5.3.3.3 – Dummy load replacing

TBD.

#### 5.3.3.4 – Hub SHF switch replacing

TBD



**5.3.3.5 – SSPA replacing**

TBD

**5.3.3.6 – Converter assembly replacing**

TBD

**5.3.3.7 – LNA replacing**

TBD

**5.3.3.8 – Outdoor cabinet heating troubleshooting**

TBD

**5.3.3.9 – Outdoor cabinet air cooler door replacing**

TBD



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## Appendix 1 – Wiring book

This chapter describes the station wiring. Diagrams give general wiring between the different sub-assemblies with the reference number of cables. Then, tables give details about each cable, as indicated below:

		<b>W309</b>					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE15 5Points Female		SMBL 4x0.6mm <sup>2</sup> 77093455					
MARKING		LENGTH			MARKING		
DEHYDR.		m			INTF BOARD–TB01 – 13/16		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	DEHYDRATOR	J01	4			TB01	INTERFACE BOARD
PRESSURE ALARM	DEHYDRATOR	J01	2		13	TB01	INTERFACE BOARD
WORKING ALARM	DEHYDRATOR	J01	5		16	TB01	INTERFACE BOARD

ALCATEL reference of the cable

Marking principle of GLOBALSTAR cables is described hereafter:

Each end of a cable is equipped with a label comprising two 20-characters lines:

- the first line is the cable number,
- the second line indicates the function of the cable.

The cable number is made of the letter W, followed by three groups of 3 figures:

Wabc–def–ghi

abc : unique 3-figures number for each cable, with:

- a: type of cable
  - 1 : power supply
  - 2 : radio signal
  - 3 : monitoring
  - 4 : motorization
  - 5 : optical fiber
  - 6 : pressurization
  - 9 : Qualcomm complementary cables
- bc: for cables grouped in a strand, number of the cable in the strand.

def : number concerning azimuth chains:

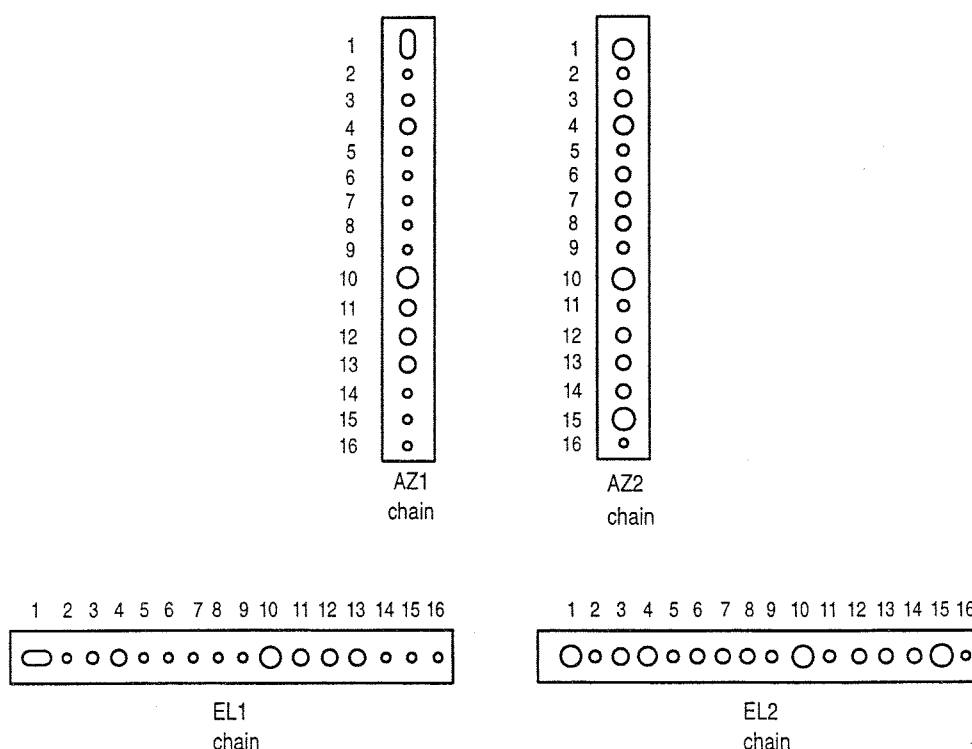
- d: azimuth chain number
  - 0 : the cable does not transit via an azimuth chain
  - 1 : the cable transits via the AZ1 chain
  - 2 : the cable transits via the AZ2 chain
- ef: hole number of the cable in the chain. Holes are numbered from 1 to n, as indicated by figure 167.

ghi: number concerning elevation chains :

- g: elevation chain number
  - 0: the cable does not transit via an elevation chain
  - 1: the cable transits via the EL1 chain
  - 2: the cable transits via the EL2 chain
- hi: hole number of the cable in the chain. Holes are numbered from 1 to n, as indicated by figure 167.

**EXAMPLE:**

The cable W184-000-102 is a power supply cable which does not transit via the AZ chains, transits via the hole 2 of the EL2 chain. It is the fourth cable of the strand.



**Figure 167 – AZ & EL chains holes numbers**

## A.1.1 – Customer power supply distribution

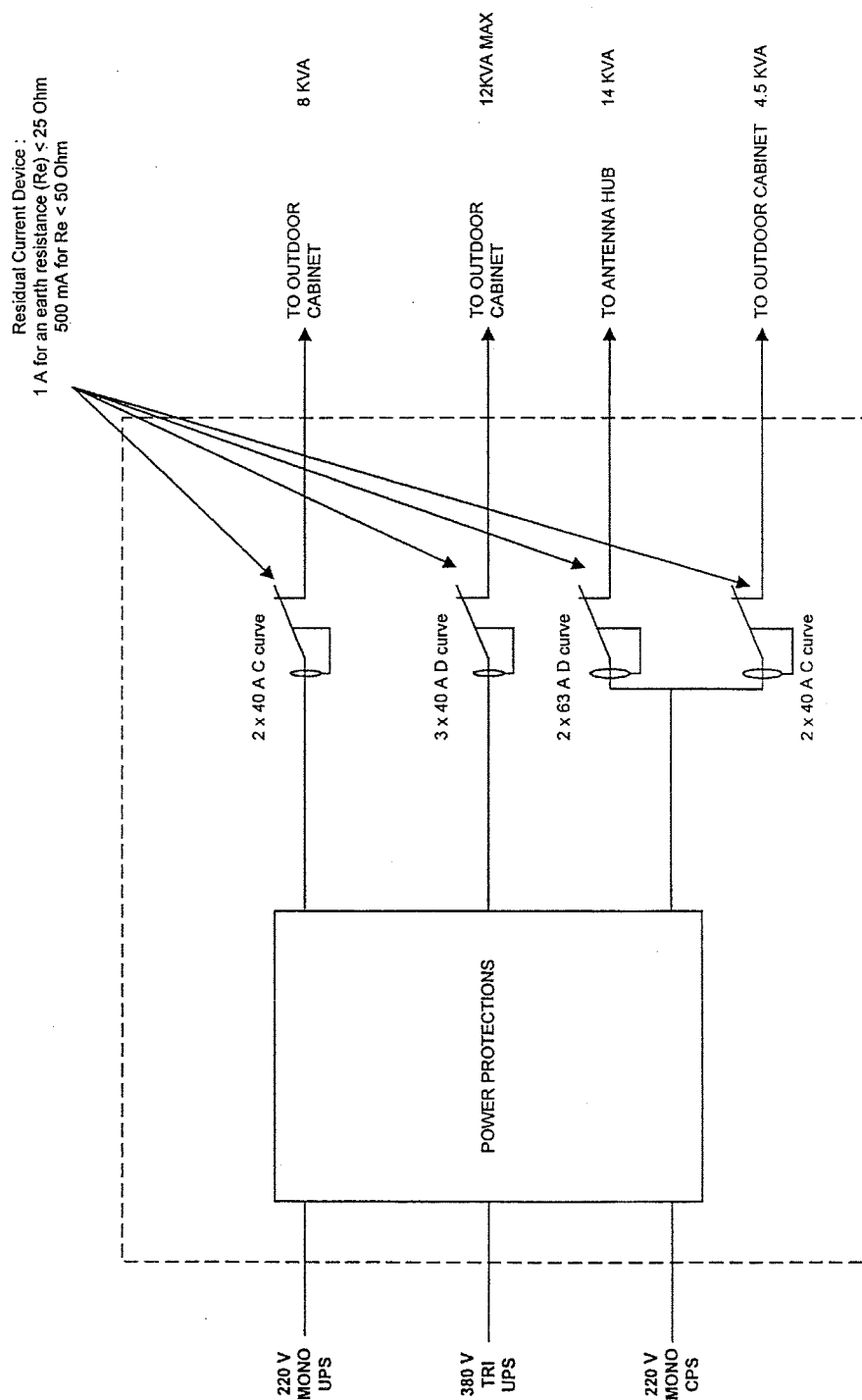
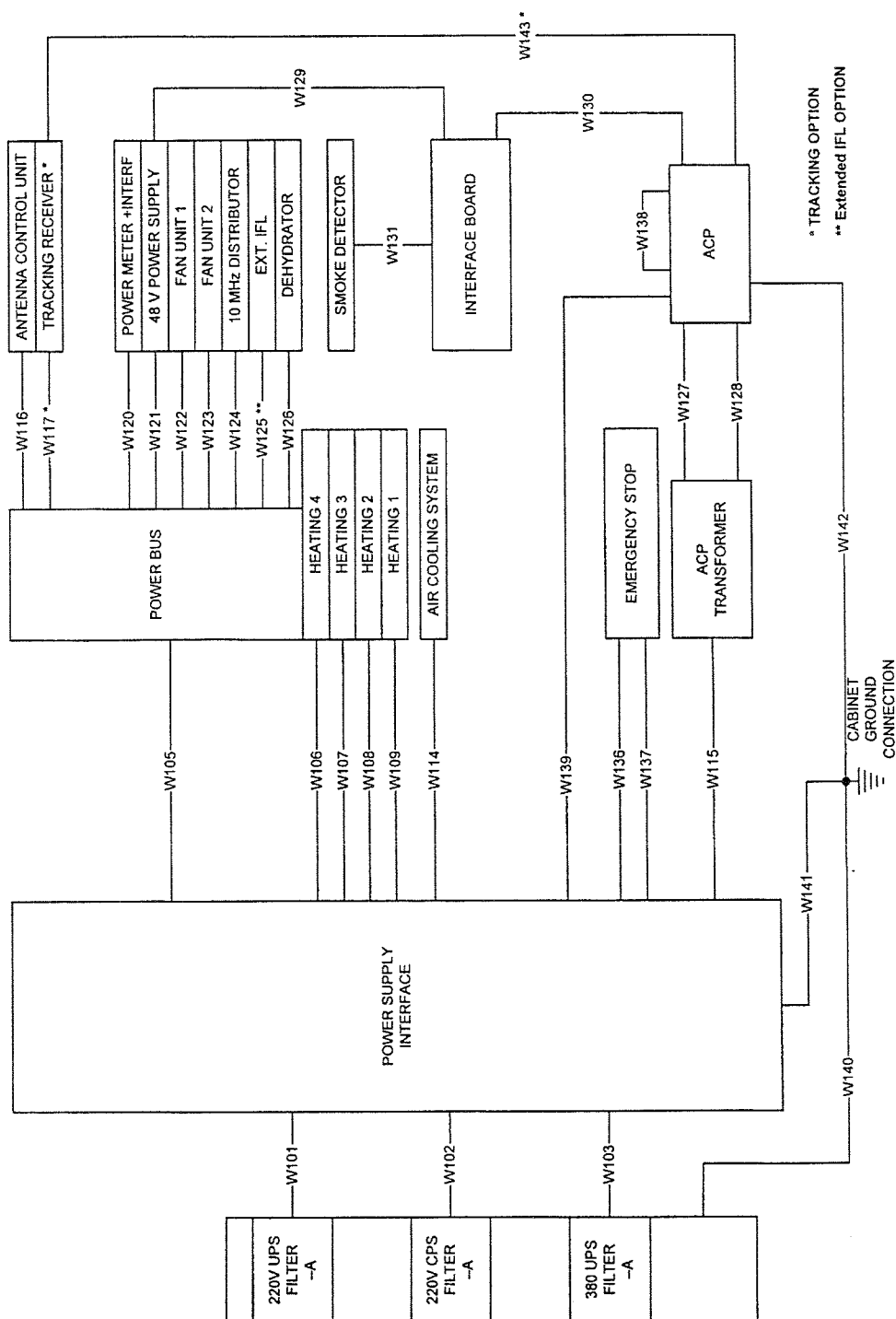


Figure 168 – Schematic diagram principle

## A.1.2 – Outdoor cabinet wiring

### A.1.2.1 – Power supply



*Figure 169 – Outdoor cabinet power supply general wiring diagram*



W101							
ORIGIN CONNECTOR 2 CABLE TERMINALS Φ5		CABLE				END CONNECTOR 2 FERRULES 37667	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	220V UPS FILTER			Brn	L1	KM1	POWER INTERFACE
NEUTRAL	220V UPS FILTER			Blu	N1	KM1	POWER INTERFACE

W102							
ORIGIN CONNECTOR 2 CABLE TERMINALS Φ5		CABLE				END CONNECTOR 2 FERRULES 37667	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	220V CPS FILTER			Brn	L10	KM3	POWER INTERFACE
NEUTRAL	220V CPS FILTER			Blu	N10	KM3	POWER INTERFACE

W103							
ORIGIN CONNECTOR 3 FERRULES 37668+1 CABLE TERM. Φ6		CABLE				END CONNECTOR 3 FERRULES 37668+1 CABLE TERM. Φ5	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE 1	380V UPS FILTER		1	Red-1	L30	KM5	POWER INTERFACE
PHASE 2	380V UPS FILTER		2	Red-2	L31	KM5	POWER INTERFACE
PHASE 3	380V UPS FILTER		3	Red-3	L32	KM5	POWER INTERFACE

W104							
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W105							
ORIGIN CONNECTOR 2 FERRULES 37668+1 CABLE TERM. Φ5		CABLE				END CONNECTOR 3 FASTON CABLE TERMINALS	
MARKING X1-2/4		LENGTH m				MARKING POWER BUS 2	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	X1	2	Brn			POWER BUS
NEUTRAL	POWER INTERFACE	X1	4	Blu			POWER BUS
GROUND	POWER INTERFACE			Yel/Grn			POWER BUS

W106							
ORIGIN CONNECTOR 2 FERRULES 37664+1 CABLE TERM. Φ5		CABLE			END CONNECTOR 3 FERRULES 37664		
MARKING FU7-L21/N21		LENGTH m			MARKING HEATING 4		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	FU7	L21	Brn			HEATING 4
NEUTRAL	POWER INTERFACE	FU7	N21	Blu			HEATING 4
GND	POWER INTERFACE		GND	Yel/Grn			HEATING 4

W107							
ORIGIN CONNECTOR 2 FERRULES 37664+1 CABLE TERM. Φ5		CABLE			END CONNECTOR 3 FERRULES 37664		
MARKING FU6-L20/N20		LENGTH m			MARKING HEATING 3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	FU6	L20	Brn			HEATING 3
NEUTRAL	POWER INTERFACE	FU6	N20	Blu			HEATING 3
GND	POWER INTERFACE		G	Yel/Grn			HEATING 3

W108							
ORIGIN CONNECTOR 2 FERRULES 37664+1 CABLE TERM. Φ5		CABLE			END CONNECTOR 3 FERRULES 37664		
MARKING FU5-L19/N19		LENGTH m			MARKING HEATING 2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	FU5	L19	Brn			HEATING 2
NEUTRAL	POWER INTERFACE	FU5	N19	Blu			HEATING 2
GND	POWER INTERFACE		GND	Yel/Grn			HEATING 2

W109							
ORIGIN CONNECTOR 2 FERRULES 37664+1 CABLE TERM. Φ5		CABLE			END CONNECTOR 3 FERRULES 37664		
MARKING FU4-L18/N18		LENGTH m			MARKING HEATING 1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	FU4	L18	Brn			HEATING 1
NEUTRAL	POWER INTERFACE	FU4	N18	Blu			HEATING 1
GND	POWER INTERFACE		GND	Yel/Grn			HEATING 1

W110							
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	<b>W111</b>	
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	<b>W112</b>	
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	<b>W113</b>	
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		W114					
ORIGIN CONNECTOR 2 FERRULES 37666		CABLE			END CONNECTOR 2 FERRULES 37666 + 1 CABLE TERM. Φ5		
MARKING QF7-L17/N17		LENGTH m			MARKING AIR COOLING 13/14		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	QF7	L17	Brn	13	BN1	AIR COOLING INTF
NEUTRAL	POWER INTERFACE	QF7	N17	Blu	14	BN1	AIR COOLING INTF
GND	POWER INTERFACE		GND	Yel/Grn			AIR COOLING INTF

		W115					
ORIGIN CONNECTOR 3 FERRULES 37668		CABLE			END CONNECTOR 4 FERRULES 37668		
MARKING QF8-L36/L37/L38 + 1 CABLE TERM.   Φ5		LENGTH m			MARKING ACP TRANSF. 1/2/3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE 1	POWER INTERFACE	QF8	L36	Bla			ACP TRANSFORMER
PHASE 2	POWER INTERFACE	QF8	L37	Bla			ACP TRANSFORMER
PHASE 3	POWER INTERFACE	QF8	L38	Bla			ACP TRANSFORMER
GROUND	POWER INTERFACE			Yel/Grn			ACP TRANSFORMER

		W116					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			ACU
NEUTRAL	POWER BUS			Blu			ACU
GROUND	POWER BUS			Yel/Grn			ACU

		W117 *					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			TRACKING RECEIVER
NEUTRAL	POWER BUS			Blu			TRACKING RECEIVER
GROUND	POWER BUS			Yel/Grn			TRACKING RECEIVER

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		<b>W119</b>		
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		<b>W120</b>					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			POWER METER + INT
NEUTRAL	POWER BUS			Blu			POWER METER + INT
GROUND	POWER BUS			Yel/Grn			POWER METER + INT

		<b>W121</b>					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			POWER SUPPLY
NEUTRAL	POWER BUS			Blu			POWER SUPPLY
GROUND	POWER BUS			Yel/Grn			POWER SUPPLY

		<b>W122</b>					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			FAN UNIT 1
NEUTRAL	POWER BUS			Blu			FAN UNIT 1
GROUND	POWER BUS			Yel/Grn			FAN UNIT 1

		<b>W123</b>					
ORIGIN CONNECTOR		CABLE 3BT00786AAAA			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			FAN UNIT 2
NEUTRAL	POWER BUS			Blu			FAN UNIT 2
GROUND	POWER BUS			Yel/Grn			FAN UNIT 2

W124							
ORIGIN CONNECTOR		CABLE 3BT00786AAAA				END CONNECTOR	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			10 MHz DISTRIBUTOR
NEUTRAL	POWER BUS			Blu			10 MHz DISTRIBUTOR
GROUND	POWER BUS			Yel/Grn			10 MHz DISTRIBUTOR

W125 **							
ORIGIN CONNECTOR		CABLE 3BT00786AAAA				END CONNECTOR	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			EXT. IFL
NEUTRAL	POWER BUS			Blu			EXT. IFL
GROUND	POWER BUS			Yel/Grn			EXT. IFL

W126							
ORIGIN CONNECTOR		CABLE 3BT00786AAAA				END CONNECTOR	
MARKING		LENGTH m				MARKING	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER BUS			Brn			DEHYDRATOR
NEUTRAL	POWER BUS			Blu			DEHYDRATOR
GROUND	POWER BUS			Yel/Grn			DEHYDRATOR

W127							
ORIGIN CONNECTOR 3 FERRULES 37668		CABLE				END CONNECTOR 3 FERRULES 37668	
MARKING ACP TRANSF 1/2/3		LENGTH m				MARKING ACP TBMAIN 1/2/3	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
220V PHASE 1	ACP TRANSFORMER			Bla	1	TB MAIN	ACP
220V PHASE 2	ACP TRANSFORMER			Bla	2	TB MAIN	ACP
220V PHASE 3	ACP TRANSFORMER			Brn	3	TB MAIN	ACP

W128							
ORIGIN CONNECTOR 3 FERRULES 37666		CABLE				END CONNECTOR 3 FERRULES 37666	
MARKING		LENGTH m				MARKING ACP TB24-1/2/3	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
20V PHASE 1	ACP TRANSFORMER			Bla	1	TB 24	ACP
20V PHASE 2	ACP TRANSFORMER			Bla	2	TB 24	ACP
20V PHASE 3	ACP TRANSFORMER			Brn	3	TB 24	ACP

		<b>W129</b>					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
+ 48 V	POWER SUPPLY				1	TB02	INTF BOARD
- 48 V	POWER SUPPLY				2	TB02	INTF BOARD

		<b>W130</b>					
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE			END CONNECTOR 2 FERRULES 37662		
MARKING ACP 24 TB ANT-19/20		LENGTH m			MARKING TB02-9/10		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
+ 24 V	ACP	TB ANT	20	Brn	9	TB02	INTF BOARD
- 24 V	ACP	TB ANT	19	Blu	10	TB02	INTF BOARD

		<b>W131</b>					
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE			END CONNECTOR 2 CABLE TERMINALS F 4		
MARKING TB02-7/8		LENGTH m			MARKING SMOKE DET. 24V		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
+ 24 V	INTF BOARD	TB 02	7	Brn	L1		SMOKE DETECTOR
- 24 V	INTF BOARD	TB 02	8	Blu	5		SMOKE DETECTOR

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		<b>W136</b>					
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE			END CONNECTOR 2 FERRULES 37662		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
EMERGENCY STOP	EMERGENCY STOP		3	Brn	13	X1	POWER INTERFACE
EMERGENCY STOP	EMERGENCY STOP		4	Blu	14	X1	POWER INTERFACE

W137							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662					2 FERRULES 37662		
MARKING		LENGTH			MARKING		
		m					
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
EMERGENCY STOP	EMERGENCY STOP		1	Yel	15	X1	POWER INTERFACE
EMERGENCY STOP	EMERGENCY STOP		2	Whi	16	X1	POWER INTERFACE

W138							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
1 FERRULE 37662					1 FERRULE 37662		
MARKING		LENGTH			MARKING		
		m					
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
24V LUB	ACP	TBR	7		20	TB ANT	ACP

W139							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
3 FERRULES 37662					3 FERRULES 37662		
MARKING		LENGTH			MARKING		
		m					
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
LUB CONTROL	ACP	TB ANT	19		39	X1	POWER INTERFACE
LUB CONTROL	ACP	TB ANT	20		41	X1	POWER INTERFACE
LUB CONTROL	ACP	TBR	8		40	X1	POWER INTERFACE

W140							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
CABLE TERMINALS Φ6					CABLE TERMINALS Φ6		
MARKING		LENGTH			MARKING		
GND CAB		m			GND FILTER		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	GROUND OF CABINET						GROUND OF FILTER

W141							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
CABLE TERMINALS Φ6					CABLE TERMINALS Φ6		
MARKING		LENGTH			MARKING		
GND CAB		m			GND PWR INTF		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	GROUND OF CABINET						GROUND OF PWR INTF

W142							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
CABLE TERMINALS Φ6					CABLE TERMINALS Φ6		
MARKING		LENGTH			MARKING		
GND CAB		m			GND ACP		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	GROUND OF CABINET						GROUND OF ACP



		W143 *					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662					2 FERRULES 37662		
MARKING		LENGTH			MARKING		
ACP 24 TB ANT-19/20		m			TRK RCV-J3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
+ 24 V	ACP	TB ANT	20		1	J3	TRACKING RECEIVER
- 24 V	ACP	TB ANT	19		6	J3	TRACKING RECEIVER

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## A.1.2.2 – Signals

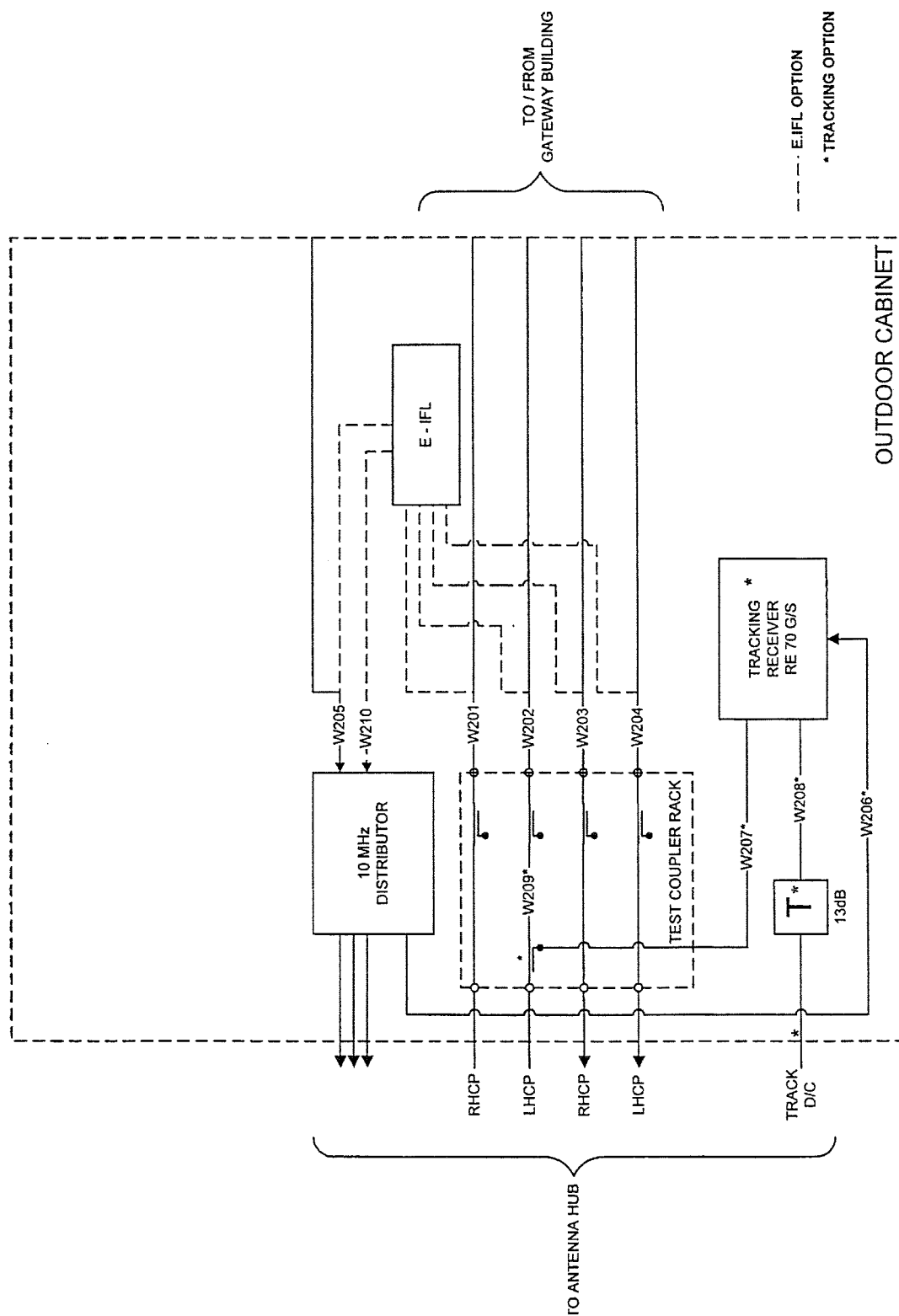


Figure 170 – SHF and 10 MHz signals general wiring diagram

W201								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
RHCP RX	TEST COUPLER RACK						EIFL or CAB INTF	

W202								
sma M	ORIGIN CONNECTOR			CABLE			sma M	END CONNECTOR
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
LHCP RX	TEST COUPLER RACK						EIFL or CAB INTF	

W203								
sma M	ORIGIN CONNECTOR			CABLE			sma M	END CONNECTOR
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
RHCP TX	TEST COUPLER RACK						EIFL or CAB INTF	

W204								
sma M	ORIGIN CONNECTOR			CABLE			sma M	END CONNECTOR
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
LHCP TX	TEST COUPLER RACK						EIFL or CAB INTF	

W205								
sma M	ORIGIN CONNECTOR			CABLE			sma M	END CONNECTOR
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
10 MHz	EIFL/CAB INTF						10 MHz DISTRIBUTOR	

W206*								
sma M	ORIGIN CONNECTOR			CABLE			sma M	END CONNECTOR
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
10 MHz	10 MHz DISTRIBUTOR						Tracking receiver	

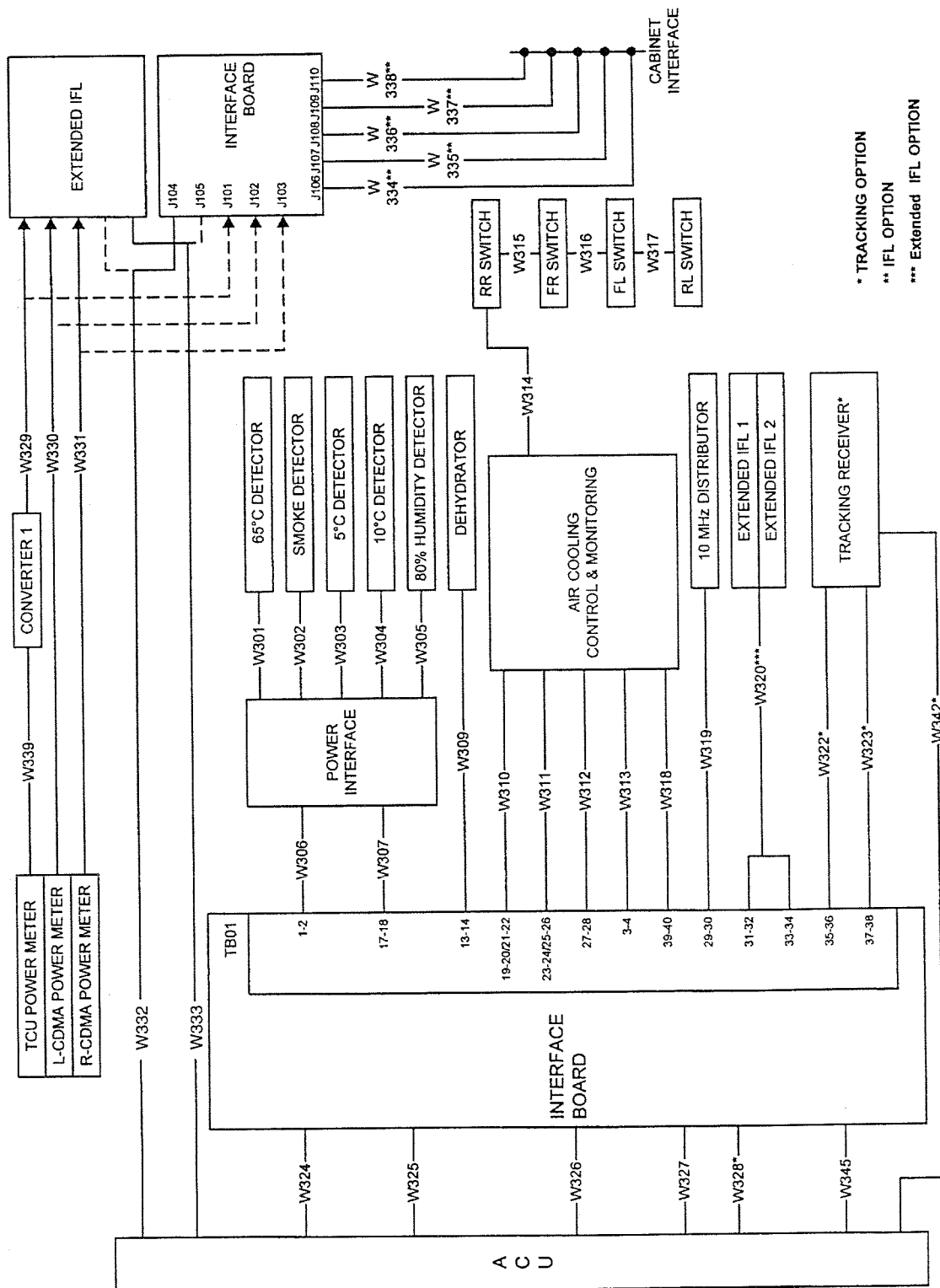
W207*								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
S Signal	Tracking Coupler						Tracking receiver	

W208*								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
MARKING			LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
D Signal	Attenuator						Tracking receiver	

		W209*					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
MARKING		LENGTH m			MARKING		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
LHCP signal	Tracking coupler						LHCP coupler

		W210 E.IFL					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
sma M	KX22				sma M		
MARKING		LENGTH			MARKING		
		m					
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
10 MHz Standby	EIFL						10 MHz DISTRIBUTOR

### A.1.2.3 – Monitoring and control



W301							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 CABLE TERMINALS Φ3		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
65°C DET		m			PWR INTF X1-27/28		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	655C DETECTOR		1	Brn	27	X1	POWER INTERFACE
	655C DETECTOR		3	Blu	28	X1	POWER INTERFACE

W302							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 CABLE TERMINALS Φ4		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
SMOKE DET		m			PWR INTF X1-25/26		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	SMOKE DETECTOR		S3	Brn	25	X1	POWER INTERFACE
	SMOKE DETECTOR		H7	Blu	26	X1	POWER INTERFACE

W303							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FASTON CABLE TERMINALS		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
5°C DET		m			PWR INTF X1-23/24		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	55C DETECTOR			Brn	23	X1	POWER INTERFACE
	55C DETECTOR			Blu	24	X1	POWER INTERFACE

W304							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
10°C DET		m			PWR INTF X1-31/32		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	105C DETECTOR		1		31	X1	POWER INTERFACE
	105C DETECTOR		3		32	X1	POWER INTERFACE

W305							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
80% HUMID DET		m			PWR INTF X1-33/34		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	80% HUMI DETECTOR		1		33	X1	POWER INTERFACE
	80% HUMI DETECTOR		2		34	X1	POWER INTERFACE

W306							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
PWR INTF X1-29/30		m			INTF BOARD TB01-1/2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
CABINET FIRE COMMON	POWER INTERFACE	X1	29	whi	1	TB01	INTERFACE BOARD
CABINET FIRE ALARM	POWER INTERFACE	X1	30	blu	2	TB01	INTERFACE BOARD

W307							
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE SMBL 4x0.6mm <sup>2</sup> 77093455			END CONNECTOR 2 FERRULES 37662		
MARKING POWER INTF X1-35/36		LENGTH m			MARKING INTF BOARD-TB01 - 17/18		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
MONITOR COMMON	POWER INTERFACE	X1	35	whi	17	TB01	INTERFACE BOARD
HEATING STATE	POWER INTERFACE	X1	36	blu	18	TB01	INTERFACE BOARD

W308							
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W309							
ORIGIN CONNECTOR HE15 5Points Female		CABLE SMBL 4x0.6mm <sup>2</sup> 77093455			END CONNECTOR 2 FERRULES 37662		
MARKING DEHYDR.		LENGTH m			MARKING INTF BOARD-TB01 - 13/16		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PRESSURE ALARM	DEHYDRATOR	J01	2	Whi	13	TB01	INTERFACE BOARD
WORKING ALARM	DEHYDRATOR	J01	5	Blu	14	TB01	INTERFACE BOARD

W310							
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE SMBL 4x0.6mm <sup>2</sup> 77093455			END CONNECTOR 2 FERRULES 37662		
MARKING AIR-COOL-INTF-20/21/24/27		LENGTH m			MARKING INTF BOARD-TB01 - 19/20/21/22		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	AIR COOLER 1	XE	20	blu	19	TB01	INTERFACE BOARD
ALARM	AIR COOLER 1	XE	21	yel	20	TB01	INTERFACE BOARD
MONITOR COMMON	AIR COOLER 1	XE	24	brw	21	TB01	INTERFACE BOARD
COOLER 1 STATE	AIR COOLER 1	XE	27	whi	22	TB01	INTERFACE BOARD
STRAPS BETWEEN 20 & 22 - 21/23/25/26							

W311							
ORIGIN CONNECTOR 2 FERRULES 37662		CABLE SMBL 4x0.6mm <sup>2</sup> 77093455			END CONNECTOR 2 FERRULES 37662		
MARKING AIR-COOL-INTF-28/29/32/35		LENGTH m			MARKING INTF BOARD-TB01 - 23/24/25/26		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	AIR COOLER 2	XE	28		23	TB01	INTERFACE BOARD
ALARM	AIR COOLER 2	XE	29		24	TB01	INTERFACE BOARD
MONITOR COMMON	AIR COOLER 2	XE	32		25	TB01	INTERFACE BOARD
COOLER 2 STATE	AIR COOLER 2	XE	35		26	TB01	INTERFACE BOARD
STRAPS BETWEEN 28 & 30 - 29 & 31 - 33 & 34							

W312							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
AIR-COOL-INTF-7/8		m			INTF BOARD-TB01 - 27/28		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
CONTROL COMMON	AIR COOLING SWITCH	XE	7		27	TB01	INTERFACE BOARD
CONTROL	AIR COOLING SWITCH	XE	8		28	TB01	INTERFACE BOARD

W313							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
RL DOOR SWITCH		m			INTF BOARD-TB01 - 7/8		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
CABINET DOORS COMMON	AIR COOLING INTF	X	3		3	TB01	INTERFACE BOARD
DOORS STATE	AIR COOLING INTF	X	4		4	TB01	INTERFACE BOARD

W314							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		1x0.5mm <sup>2</sup>			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
AIR COOL INTF 15/19		m			RR DOOR SWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
DOOR SWITCH	AIR COOLING INTF	XE	15	yel	14		REAR RIGHT SWITCH
DOOR SWITCH	AIR COOLING INTF	XE	19	blu			REAR RIGHT SWITCH

W315							
ORIGIN CONNECTOR		MONITORING CABLE V24			END CONNECTOR		
2 FERRULES 37662		1x0.5mm <sup>2</sup>			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
RR DOOR SWITCH		m			FR DOOR SWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
DOOR SWITCH	REAR RIGHT SWITCH			yel	14		FRONT RIGHT DOOR
DOOR SWITCH	REAR RIGHT SWITCH			blu			FRONT RIGHT DOOR

W316							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		1x0.5mm <sup>2</sup>			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
FR DOOR SWITCH		m			FL DOOR SWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
DOOR SWITCH	FRONT RIGHT DOOR		13	yel	14		FRONT LEFT DOOR
DOOR SWITCH	FRONT RIGHT DOOR			blu			FRONT LEFT DOOR

W317							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662		1x0.5mm <sup>2</sup>			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
FL DOOR SWITCH		m			RL DOOR SWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
DOOR SWITCH	FRONT LEFT SWITCH		13	yel	14		REAR LEFT DOOR
DOOR SWITCH	FRONT LEFT SWITCH			blu	13		REAR LEFT DOOR

W318							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
2 FERRULES 37662					2 FERRULES 37662		
MARKING		LENGTH			MARKING		
AIR COOL INTF 38/39		m			INTF BOARD-TB01 - 39/40		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	AIR COOLING INTF	XE	38		39	TB01	INTERFACE BOARD
	AIR COOLING INTF	XE	39		40	TB01	INTERFACE BOARD

W319							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Male		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
10 MHz Distri-J09		m			INTF BOARD-TB01 - 29/30		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	10 MHz DISTRIBUTOR	J09	1	Yel	29	TB01	INTERFACE BOARD
10MHz ALARM	10 MHz DISTRIBUTOR	J09	2	Whi	30	TB01	INTERFACE BOARD

W320***							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
6 Pin MOLEX		SMBL 4x0.6mm <sup>2</sup> 77093455			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
EXT.IFL1 & IFL2		m			INTF BOARD-TB01 - 31/32 & 33/34		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	EXTENDED IFL 1		1	Yel	31	TB01	INTERFACE BOARD
10MHz ALARM	EXTENDED IFL 1		2	Whi	32	TB01	INTERFACE BOARD
ALARM COMMON	EXTENDED IFL 2		5	Yel	33	TB01	INTERFACE BOARD
10MHz ALARM	EXTENDED IFL 2		6	Whi	34	TB01	INTERFACE BOARD

W321***							
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W322*							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
BR2 M		FM2R			2 FERRULES 37662		
MARKING		LENGTH			MARKING		
TRACK-RCV-J115		m			INTF-BOARD-TB01-35/36		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	TRACKING RECEIVER	J115	1		35	TB01	INTERFACE BOARD
	TRACKING RECEIVER	J115	2		36	TB01	INTERFACE BOARD





		W323*					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D-DEM9S		FM2R					
MARKING		LENGTH			MARKING		
TRACK-RCV-J200		m			INTF-BOARD-TB01-37/38		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	TRACKING RECEIVER	J200	8		37	TB01	INTERFACE BOARD
	TRACKING RECEIVER	J200	9		38	TB01	INTERFACE BOARD

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ORIGIN CONNECTOR		W324			END CONNECTOR		
HE5 37Pts Male 1AB003130019		CABLE			HE5 37Pts Male 1AB003130019		
MARKING		LENGTH			MARKING		
INTF-BOARD-J201		m			ACU-MON1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	INTERFACE BOARD	J201	1		1	MON1	ACU
	INTERFACE BOARD	J201	2		2	MON1	ACU
	INTERFACE BOARD	J201	3		3	MON1	ACU
	INTERFACE BOARD	J201	4		4	MON1	ACU
	INTERFACE BOARD	J201	5		5	MON1	ACU
	INTERFACE BOARD	J201	6		6	MON1	ACU
	INTERFACE BOARD	J201	7		7	MON1	ACU
	INTERFACE BOARD	J201	8		8	MON1	ACU
	INTERFACE BOARD	J201	9		9	MON1	ACU
	INTERFACE BOARD	J201	10		10	MON1	ACU
	INTERFACE BOARD	J201	11		11	MON1	ACU
	INTERFACE BOARD	J201	12		12	MON1	ACU
	INTERFACE BOARD	J201	13		13	MON1	ACU
	INTERFACE BOARD	J201	14		14	MON1	ACU
	INTERFACE BOARD	J201	15		15	MON1	ACU
	INTERFACE BOARD	J201	16		16	MON1	ACU
	INTERFACE BOARD	J201	17		17	MON1	ACU
	INTERFACE BOARD	J201	18		18	MON1	ACU
	INTERFACE BOARD	J201	19		19	MON1	ACU
	INTERFACE BOARD	J201	20		20	MON1	ACU
	INTERFACE BOARD	J201	21		21	MON1	ACU
	INTERFACE BOARD	J201	22		22	MON1	ACU
	INTERFACE BOARD	J201	23		23	MON1	ACU
	INTERFACE BOARD	J201	24		24	MON1	ACU
	INTERFACE BOARD	J201	25		25	MON1	ACU
	INTERFACE BOARD	J201	26		26	MON1	ACU
	INTERFACE BOARD	J201	27		27	MON1	ACU
	INTERFACE BOARD	J201	28		28	MON1	ACU
	INTERFACE BOARD	J201	29		29	MON1	ACU
	INTERFACE BOARD	J201	30		30	MON1	ACU
	INTERFACE BOARD	J201	31		31	MON1	ACU
	INTERFACE BOARD	J201	32		32	MON1	ACU
	INTERFACE BOARD	J201	33		33	MON1	ACU
	INTERFACE BOARD	J201	34		34	MON1	ACU
	INTERFACE BOARD	J201	35		35	MON1	ACU
	INTERFACE BOARD	J201	36		36	MON1	ACU
	INTERFACE BOARD	J201	37		37	MON1	ACU

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ORIGIN CONNECTOR		W325			END CONNECTOR		
HE5 37Pts Female 77079543		CABLE			HE5 37Pts Female 77079543		
MARKING		LENGTH			MARKING		
INTF-BOARD-J203		m			ACU-CONT1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	INTERFACE BOARD	J203	1		1	CONT1	ACU
	INTERFACE BOARD	J203	2		2	CONT1	ACU
	INTERFACE BOARD	J203	3		3	CONT1	ACU
	INTERFACE BOARD	J203	4		4	CONT1	ACU
	INTERFACE BOARD	J203	5		5	CONT1	ACU
	INTERFACE BOARD	J203	6		6	CONT1	ACU
	INTERFACE BOARD	J203	7		7	CONT1	ACU
	INTERFACE BOARD	J203	8		8	CONT1	ACU
	INTERFACE BOARD	J203	9		9	CONT1	ACU
	INTERFACE BOARD	J203	10		10	CONT1	ACU
	INTERFACE BOARD	J203	11		11	CONT1	ACU
	INTERFACE BOARD	J203	12		12	CONT1	ACU
	INTERFACE BOARD	J203	13		13	CONT1	ACU
	INTERFACE BOARD	J203	14		14	CONT1	ACU
	INTERFACE BOARD	J203	15		15	CONT1	ACU
	INTERFACE BOARD	J203	16		16	CONT1	ACU
	INTERFACE BOARD	J203	17		17	CONT1	ACU
	INTERFACE BOARD	J203	18		18	CONT1	ACU
	INTERFACE BOARD	J203	19		19	CONT1	ACU
	INTERFACE BOARD	J203	20		20	CONT1	ACU
	INTERFACE BOARD	J203	21		21	CONT1	ACU
	INTERFACE BOARD	J203	22		22	CONT1	ACU
	INTERFACE BOARD	J203	23		23	CONT1	ACU
	INTERFACE BOARD	J203	24		24	CONT1	ACU
	INTERFACE BOARD	J203	25		25	CONT1	ACU
	INTERFACE BOARD	J203	26		26	CONT1	ACU
	INTERFACE BOARD	J203	27		27	CONT1	ACU
	INTERFACE BOARD	J203	28		28	CONT1	ACU
	INTERFACE BOARD	J203	29		29	CONT1	ACU
	INTERFACE BOARD	J203	30		30	CONT1	ACU
	INTERFACE BOARD	J203	31		31	CONT1	ACU
	INTERFACE BOARD	J203	32		32	CONT1	ACU
	INTERFACE BOARD	J203	33		33	CONT1	ACU
	INTERFACE BOARD	J203	34		34	CONT1	ACU
	INTERFACE BOARD	J203	35		35	CONT1	ACU
	INTERFACE BOARD	J203	36		36	CONT1	ACU
	INTERFACE BOARD	J203	37		37	CONT1	ACU

		<b>W326</b>					
<b>ORIGIN CONNECTOR</b>		<b>CABLE</b>			<b>END CONNECTOR</b>		
HE5 37Pts Male 1AB003130019					HE5 37Pts Male 1AB003130019		
<b>MARKING</b>		<b>LENGTH</b>			<b>MARKING</b>		
INTF-BOARD-J202		m			ACU-MON2		
<b>FUNCTION</b>	<b>ORIGIN EQUIPMENT</b>	<b>TB</b>	<b>Pin</b>	<b>Wire</b>	<b>Pin</b>	<b>TB</b>	<b>END EQUIPMENT</b>
	INTERFACE BOARD	J202	1		1	MON2	ACU
	INTERFACE BOARD	J202	2		2	MON2	ACU
	INTERFACE BOARD	J202	3		3	MON2	ACU
	INTERFACE BOARD	J202	4		4	MON2	ACU
	INTERFACE BOARD	J202	5		5	MON2	ACU
	INTERFACE BOARD	J202	6		6	MON2	ACU
	INTERFACE BOARD	J202	7		7	MON2	ACU
	INTERFACE BOARD	J202	8		8	MON2	ACU
	INTERFACE BOARD	J202	9		9	MON2	ACU
	INTERFACE BOARD	J202	10		10	MON2	ACU
	INTERFACE BOARD	J202	11		11	MON2	ACU
	INTERFACE BOARD	J202	12		12	MON2	ACU
	INTERFACE BOARD	J202	13		13	MON2	ACU
	INTERFACE BOARD	J202	14		14	MON2	ACU
	INTERFACE BOARD	J202	15		15	MON2	ACU
	INTERFACE BOARD	J202	16		16	MON2	ACU
	INTERFACE BOARD	J202	17		17	MON2	ACU
	INTERFACE BOARD	J202	18		18	MON2	ACU
	INTERFACE BOARD	J202	19		19	MON2	ACU
	INTERFACE BOARD	J202	20		20	MON2	ACU
	INTERFACE BOARD	J202	21		21	MON2	ACU
	INTERFACE BOARD	J202	22		22	MON2	ACU
	INTERFACE BOARD	J202	23		23	MON2	ACU
	INTERFACE BOARD	J202	24		24	MON2	ACU
	INTERFACE BOARD	J202	25		25	MON2	ACU
	INTERFACE BOARD	J202	26		26	MON2	ACU
	INTERFACE BOARD	J202	27		27	MON2	ACU
	INTERFACE BOARD	J202	28		28	MON2	ACU
	INTERFACE BOARD	J202	29		29	MON2	ACU
	INTERFACE BOARD	J202	30		30	MON2	ACU
	INTERFACE BOARD	J202	31		31	MON2	ACU
	INTERFACE BOARD	J202	32		32	MON2	ACU
	INTERFACE BOARD	J202	33		33	MON2	ACU
	INTERFACE BOARD	J202	34		34	MON2	ACU
	INTERFACE BOARD	J202	35		35	MON2	ACU
	INTERFACE BOARD	J202	36		36	MON2	ACU
	INTERFACE BOARD	J202	37		37	MON2	ACU

ORIGIN CONNECTOR		W327				END CONNECTOR	
HE5 37Pts Female 77079543		CABLE				HE5 37Pts Female 77079543	
MARKING		LENGTH				MARKING	
INTF-BOARD-J204		m				ACU-CONT2	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	INTERFACE BOARD	J204	1		1	CONT2	ACU
	INTERFACE BOARD	J204	2		2	CONT2	ACU
	INTERFACE BOARD	J204	3		3	CONT2	ACU
	INTERFACE BOARD	J204	4		4	CONT2	ACU
	INTERFACE BOARD	J204	5		5	CONT2	ACU
	INTERFACE BOARD	J204	6		6	CONT2	ACU
	INTERFACE BOARD	J204	7		7	CONT2	ACU
	INTERFACE BOARD	J204	8		8	CONT2	ACU
	INTERFACE BOARD	J204	9		9	CONT2	ACU
	INTERFACE BOARD	J204	10		10	CONT2	ACU
	INTERFACE BOARD	J204	11		11	CONT2	ACU
	INTERFACE BOARD	J204	12		12	CONT2	ACU
	INTERFACE BOARD	J204	13		13	CONT2	ACU
	INTERFACE BOARD	J204	14		14	CONT2	ACU
	INTERFACE BOARD	J204	15		15	CONT2	ACU
	INTERFACE BOARD	J204	16		16	CONT2	ACU
	INTERFACE BOARD	J204	17		17	CONT2	ACU
	INTERFACE BOARD	J204	18		18	CONT2	ACU
	INTERFACE BOARD	J204	19		19	CONT2	ACU
	INTERFACE BOARD	J204	20		20	CONT2	ACU
	INTERFACE BOARD	J204	21		21	CONT2	ACU
	INTERFACE BOARD	J204	22		22	CONT2	ACU
	INTERFACE BOARD	J204	23		23	CONT2	ACU
	INTERFACE BOARD	J204	24		24	CONT2	ACU
	INTERFACE BOARD	J204	25		25	CONT2	ACU
	INTERFACE BOARD	J204	26		26	CONT2	ACU
	INTERFACE BOARD	J204	27		27	CONT2	ACU
	INTERFACE BOARD	J204	28		28	CONT2	ACU
	INTERFACE BOARD	J204	29		29	CONT2	ACU
	INTERFACE BOARD	J204	30		30	CONT2	ACU
	INTERFACE BOARD	J204	31		31	CONT2	ACU
	INTERFACE BOARD	J204	32		32	CONT2	ACU
	INTERFACE BOARD	J204	33		33	CONT2	ACU
	INTERFACE BOARD	J204	34		34	CONT2	ACU
	INTERFACE BOARD	J204	35		35	CONT2	ACU
	INTERFACE BOARD	J204	36		36	CONT2	ACU
	INTERFACE BOARD	J204	37		37	CONT2	ACU

		W328*					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Male 1AB003110036		FLAT CABLE			HE5 9Pts Male 1AB003110036		
MARKING		LENGTH			MARKING		
INTF-BOARD-J321		m			ACU-RX MON		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	INTERFACE BOARD	J321	1		1	RX MON	ACU
	INTERFACE BOARD	J321	2		2	RX MON	ACU
	INTERFACE BOARD	J321	3		3	RX MON	ACU
	INTERFACE BOARD	J321	4		4	RX MON	ACU
	INTERFACE BOARD	J321	5		5	RX MON	ACU
	INTERFACE BOARD	J321	6		6	RX MON	ACU
	INTERFACE BOARD	J321	7		7	RX MON	ACU
	INTERFACE BOARD	J321	8		8	RX MON	ACU
	INTERFACE BOARD	J321	9		9	RX MON	ACU

		W329					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Female		G650 2/2			HE5 25Pts Male		
MARKING		LENGTH			MARKING		
INTF-BOARD-J101/EIFL		m			CONT 1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+) > TX1(+)	INTF BOARD or EIFL	J101	1		16		488 CONTROLLER 1
RX2(-) > TX2(-)	INTF BOARD or EIFL	J101	2		3		488 CONTROLLER 1
GND	INTF BOARD or EIFL	J101	3		7		488 CONTROLLER 1
TX2(-) > RX2(-)	INTF BOARD or EIFL	J101	4		2		488 CONTROLLER 1
TX1(+) > RX1(+)	INTF BOARD or EIFL	J101	5		14		488 CONTROLLER 1

		W330					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Female		G650 2/2			HE5 25Pts Male		
MARKING		LENGTH			MARKING		
INTF-BOARD-J102/EIFL		m			LCDMA POWER METER		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+) > TX1(+)	INTF BOARD or EIFL	J102	1				LCDMA POWER METER
RX2(-) > TX2(-)	INTF BOARD or EIFL	J102	2				LCDMA POWER METER
GND	INTF BOARD or EIFL	J102	3				LCDMA POWER METER
TX2(-) > RX2(-)	INTF BOARD or EIFL	J102	4				LCDMA POWER METER
TX1(+) > RX1(+)	INTF BOARD or EIFL	J102	5				LCDMA POWER METER

		W331					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Female		G650 2/2			HE5 25Pts Male		
MARKING		LENGTH			MARKING		
INTF-BOARD-J103/EIFL		m			RCDMA POWER METER		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+) > TX1(+)	INTF BOARD or EIFL	J103	1				RCDMA POWER METER
RX2(-) > TX2(-)	INTF BOARD or EIFL	J103	2				RCDMA POWER METER
GND	INTF BOARD or EIFL	J103	3				RCDMA POWER METER
TX2(-) > RX2(-)	INTF BOARD or EIFL	J103	4				RCDMA POWER METER
TX1(+) > RX1(+)	INTF BOARD or EIFL	J103	5				RCDMA POWER METER



W332							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Female		G650 2/2			HE5 9Pts Male 1AB003110036		
MARKING		LENGTH			MARKING		
INTF-BOARD-J104/EIFL		m			ACU-EVEN PULSES		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	INTF BOARD or EIFL	J104	1		7	EV. PUL	ACU
RX2(-)	INTF BOARD or EIFL	J104	2		3	EV. PUL	ACU
GND	INTF BOARD or EIFL	J104	3		5	EV. PUL	ACU
TX2(-)	INTF BOARD or EIFL	J104	4		8	EV. PUL	ACU
TX1(+)	INTF BOARD or EIFL	J104	5		2	EV. PUL	ACU

W333							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
HE5 9Pts Female		G650 2/2			HE5 9Pts Male 1AB003110036		
MARKING		LENGTH			MARKING		
INTF-BOARD-J105/EIFL		m			ACU-MAC		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	INTF BOARD or EIFL	J105	1		7	GTS	ACU
RX2(-)	INTF BOARD or EIFL	J105	2		3	GTS	ACU
GND	INTF BOARD or EIFL	J105	3		5	GTS	ACU
TX2(-)	INTF BOARD or EIFL	J105	4		8	GTS	ACU
TX1(+)	INTF BOARD or EIFL	J105	5		2	GTS	ACU

W334**							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
85107-R14-19P50-44		G650 2/2			HE5 9Pts Male 1AB003110036		
MARKING		LENGTH			MARKING		
R-CDMA		m			INTF-BOARD-J106		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	OUTDOOR CAB. INTF	J05	A	yel	1	J106	INTERFACE BOARD
RX2(-)	OUTDOOR CAB. INTF	J05	B	whi	2	J106	INTERFACE BOARD
GND	OUTDOOR CAB. INTF	J05	C	whi	3	J106	INTERFACE BOARD
TX2(-)	OUTDOOR CAB. INTF	J05	D	blu	4	J106	INTERFACE BOARD
TX1(+)	OUTDOOR CAB. INTF	J09	E	whi	5	J106	INTERFACE BOARD

W335**							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
85107-R14-19P50-44		G650 2/2			HE5 9Pts Male 1AB003110036		
MARKING		LENGTH			MARKING		
IN-TCU		m			INTF-BOARD-J107		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	OUTDOOR CAB. INTF	J03	A		1	J107	INTERFACE BOARD
RX2(-)	OUTDOOR CAB. INTF	J03	B		2	J107	INTERFACE BOARD
GND	OUTDOOR CAB. INTF	J03	C		3	J107	INTERFACE BOARD
TX2(-)	OUTDOOR CAB. INTF	J03	D		4	J107	INTERFACE BOARD
TX1(+)	OUTDOOR CAB. INTF	J03	E		5	J107	INTERFACE BOARD

W336**							
ORIGIN CONNECTOR 85107-R14-19P50-44		CABLE G650 2/2			END CONNECTOR HE5 9Pts Male 1AB003110036		
MARKING L-CDMA		LENGTH m			MARKING INTF-BOARD-J108		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	OUTDOOR CAB. INTF	J04	A		1	J108	INTERFACE BOARD
RX2(-)	OUTDOOR CAB. INTF	J04	B		2	J108	INTERFACE BOARD
GND	OUTDOOR CAB. INTF	J04	C		3	J108	INTERFACE BOARD
TX2(-)	OUTDOOR CAB. INTF	J04	D		4	J108	INTERFACE BOARD
TX1(+)	OUTDOOR CAB. INTF	J04	E		5	J108	INTERFACE BOARD

W337**							
ORIGIN CONNECTOR 85107-R14-19P50-44		CABLE G650 2/2			END CONNECTOR HE5 9Pts Male		
MARKING IN-ESTP		LENGTH m			MARKING INTF-BOARD-J109		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	OUTDOOR CAB. INTF	J02	A		1	J109	INTERFACE BOARD
RX2(-)	OUTDOOR CAB. INTF	J02	B		2	J109	INTERFACE BOARD
GND	OUTDOOR CAB. INTF	J02	C		3	J109	INTERFACE BOARD
TX2(-)	OUTDOOR CAB. INTF	J02	D		4	J109	INTERFACE BOARD
TX1(+)	OUTDOOR CAB. INTF	J02	E		5	J109	INTERFACE BOARD

W338**							
ORIGIN CONNECTOR 85107-R14-19P50-44		CABLE G650 2/2			END CONNECTOR HE5 9Pts Male		
MARKING IN-GTS		LENGTH m			MARKING INTF-BOARD-J110		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RX1(+)	OUTDOOR CAB. INTF	J01	A		1	J110	INTERFACE BOARD
RX2(-)	OUTDOOR CAB. INTF	J01	B		2	J110	INTERFACE BOARD
GND	OUTDOOR CAB. INTF	J01	C		3	J110	INTERFACE BOARD
TX2(-)	OUTDOOR CAB. INTF	J01	D		4	J110	INTERFACE BOARD
TX1(+)	OUTDOOR CAB. INTF	J01	E		5	J110	INTERFACE BOARD

W339							
ORIGIN CONNECTOR		CABLE CENTRONICS 1380 INMAC			END CONNECTOR		
MARKING TCU POWER METER		LENGTH m			MARKING CONT1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	TCU POWER METER						488 CONTROLLER 1

W340							
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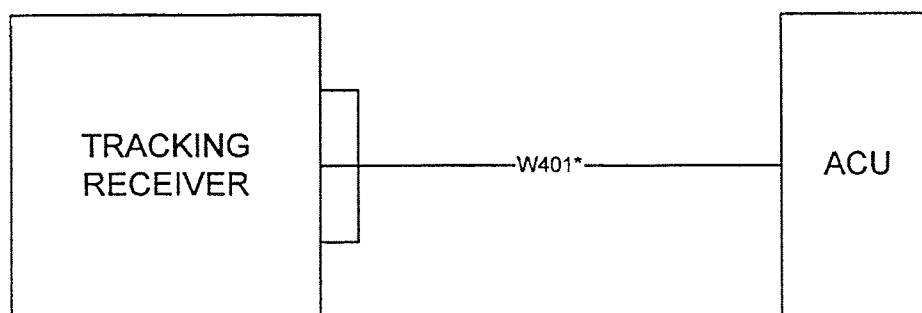
W341							
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		W342*					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D 25 Pts Male		G650-2/2			SUB D 9 Pts Male		
MARKING		LENGTH			MARKING		
ACU-RX CONT		m			TRK RCV-J32		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACU	RX CONT	2		2	J32	TRACKING RECEIVER
	ACU	RX CONT	3		3	J32	TRACKING RECEIVER
	ACU	RX CONT	7		5	J32	TRACKING RECEIVER
					Strap between 7 & 8 - 1, 4 & 6		

#### A.1.2.4 – Antenna tracking



\* TRACKING OPTION

W401*			
ORIGIN CONNECTOR		CABLE	
3 x BNC M 50 Ω      1AB006420030		3 x KX22 DT      1AC000250005	
END CONNECTOR		MARKING	
SUB D - DEM9P      1AB003110036		ACU-RX SIGN	
MARKING		LENGTH	
TRACK-RCV-J110/111/113		m	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin
RECEIVED BEACON LEVEL	TRACKING RECEIVER	J110	CORE
RECEIVED BEACON LEVEL	TRACKING RECEIVER		BRAID
TRACK. VOLT. OUT. X	TRACKING RECEIVER	J111	CORE
TRACK. VOLT. OUT. X	TRACKING RECEIVER		BRAID
TRACK. VOLT. OUT. Y	TRACKING RECEIVER	J113	CORE
TRACK. VOLT. OUT. Y	TRACKING RECEIVER		BRAID
Pin	TB	END EQUIPMENT	
1	RX SIGN	ACU	
2	RX SIGN	ACU	
3	RX SIGN	ACU	
4	RX SIGN	ACU	
5	RX SIGN	ACU	
6	RX SIGN	ACU	

## A.1.3 – Antenna to outdoor cabinet interconnections

### A.1.3.1 – Power supply

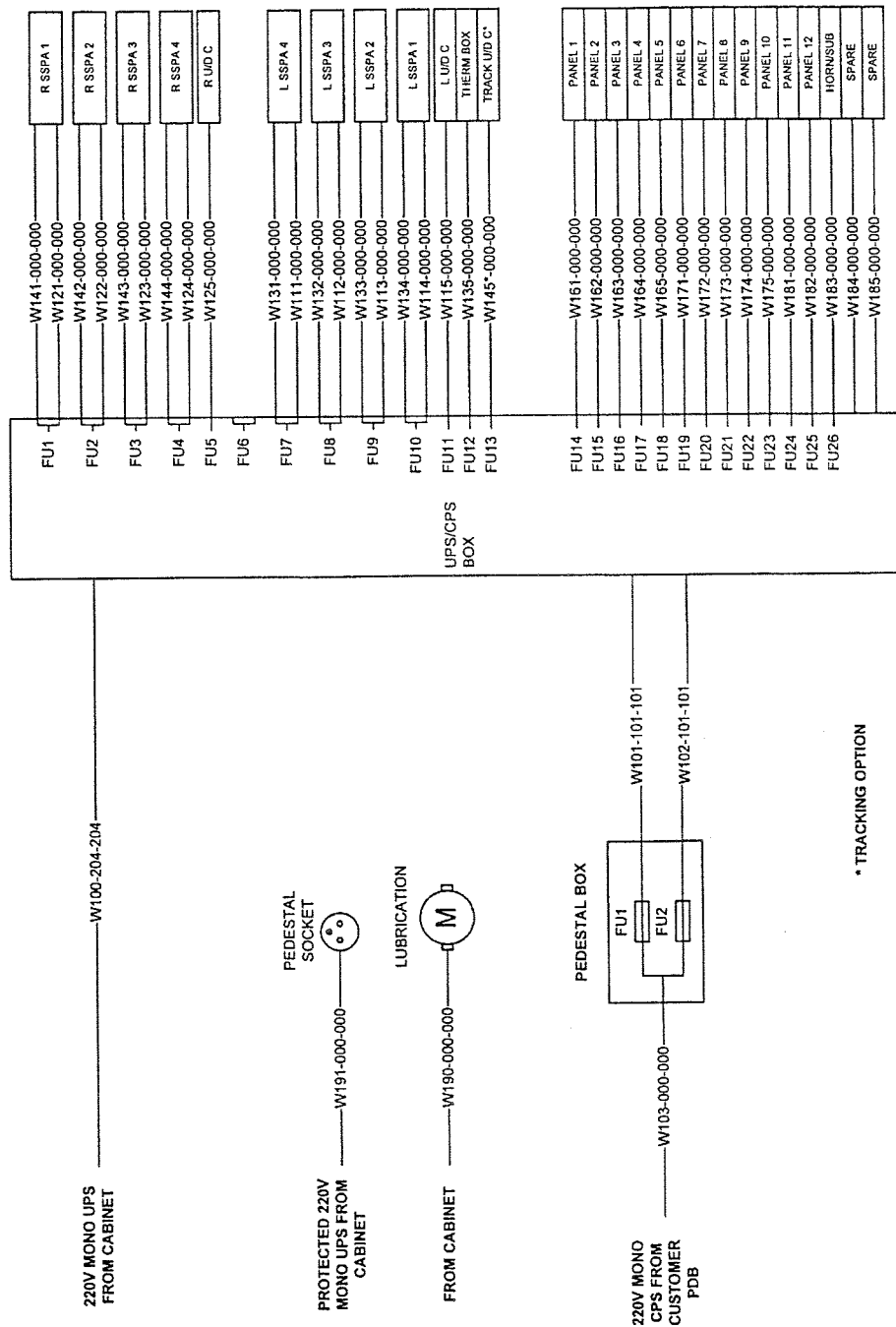


Figure 173 – Antenna to outdoor cabinet power supply general wiring

W100-204-204							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		RTF 4 STI 3 3BT10159AAAA				EMBOUTS	
MARKING		LENGTH				MARKING	
PWR INTF QF2		m				U/CPS BOX – X1 – 1/2	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	QF2	L5		1	X1	UPS/CPS BOX
NEUTRAL	POWER INTERFACE	QF2	N5		2	X1	UPS/CPS BOX
GND	POWER INTERFACE						UPS/CPS BOX

W101-101-101							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		RTF 4 STI 3 3BT10159ABAA				EMBOUTS	
MARKING		LENGTH				MARKING	
PED BOX FU1		m				U/CPS BOX – X1 – 5/3	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	PEDESTAL BOX	FU1	L		5	X1	UPS/CPS BOX
NEUTRAL	PEDESTAL BOX	FU1	N		3	X1	UPS/CPS BOX
GND	PEDESTAL BOX						UPS/CPS BOX

W102-101-101							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		RTF 4 STI 3 3BT10159ACAA				EMBOUTS	
MARKING		LENGTH				MARKING	
PED BOX FU2		m				U/CPS BOX – X1 – 6/4	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	PEDESTAL BOX	FU2	L		6	X1	UPS/CPS BOX
NEUTRAL	PEDESTAL BOX	FU2	N		4	X1	UPS/CPS BOX
GND	PEDESTAL BOX						UPS/CPS BOX

W103-000-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		3 x 10 mm <sup>2</sup>				END CONNECTOR	
MARKING		LENGTH				MARKING	
CUST PDB		m				PED BOX	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	CUSTOMER PDB		L				PEDESTAL BOX
NEUTRAL	CUSTOMER PDB		N				PEDESTAL BOX
GND	CUSTOMER PDB						PEDESTAL BOX

W111-000-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		ZL 0,5 STZ 3 3BT10160AAAA				85136RG123 S 5044	
MARKING		LENGTH				MARKING	
U/CPS BOX FU7		m				LSSPA4	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU7			A	J04	L SSPA 4
NEUTRAL	U/CPS BOX	FU7			B	J04	L SSPA 4
GND	U/CPS BOX	GND			C	J04	L SSPA 4

W112-000-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		ZL 0,5 STZ 3 3BT10160AAAA				85136RG123 S 5044	
MARKING		LENGTH				MARKING	
U/CPS BOX FU8		m				LSSPA3	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU8			A	J04	L SSPA 3
NEUTRAL	U/CPS BOX	FU8			B	J04	L SSPA 3
GND	U/CPS BOX	GND			C	J04	L SSPA 3

W113-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160AAAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU9			m			LSSPA2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU9			A	J04	L SSPA 2	
NEUTRAL	U/CPS BOX	FU9			B	J04	L SSPA 2	
GND	U/CPS BOX	GND			C	J04	L SSPA 2	

W114-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160AAAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU10			m			LSSPA1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU10			A	J04	L SSPA 1	
NEUTRAL	U/CPS BOX	FU10			B	J04	L SSPA 1	
GND	U/CPS BOX	GND			C	J04	L SSPA 1	

W115-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160AAAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU11			m			L CONV		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU11			A	J16	L CONVERTER	
NEUTRAL	U/CPS BOX	FU11			B	J16	L CONVERTER	
GND	U/CPS BOX	GND			C	J16	L CONVERTER	

W121-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160ABAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU1			m			RSSPA1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU1			A	J04	R SSPA 1	
NEUTRAL	U/CPS BOX	FU1			B	J04	R SSPA 1	
GND	U/CPS BOX	GND			C	J04	R SSPA 1	

W122-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160ABAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU2			m			RSSPA2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU2			A	J04	R SSPA 2	
NEUTRAL	U/CPS BOX	FU2			B	J04	R SSPA 2	
GND	U/CPS BOX	GND			C	J04	R SSPA 2	

W123-000-000								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3      3BT10160ABAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU3			m			RSSPA3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU3			A	J04	R SSPA 3	
NEUTRAL	U/CPS BOX	FU3			B	J04	R SSPA 3	
GND	U/CPS BOX	GND			C	J04	R SSPA 3	

		W124-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ABAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU4		m			RSSPA4		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU4			A	J04	R SSPA 4
NEUTRAL	U/CPS BOX	FU4			B	J04	R SSPA 4
GND	U/CPS BOX	GND			C	J04	R SSPA 4

		W125-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ABAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU5		m			R CONV		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU5			A	J16	R CONVERTER
NEUTRAL	U/CPS BOX	FU5			B	J16	R CONVERTER
GND	U/CPS BOX	GND			C	J16	R CONVERTER

		W131-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ACAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU7		m			FAN LSSPA4		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU7			A	J01	FAN L SSPA 4
NEUTRAL	U/CPS BOX	FU7			B	J01	FAN L SSPA 4
GND	U/CPS BOX	GND			C	J01	FAN L SSPA 4

		W132-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ACAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU8		m			FAN LSSPA3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU8			A	J01	FAN L SSPA 3
NEUTRAL	U/CPS BOX	FU8			B	J01	FAN L SSPA 3
GND	U/CPS BOX	GND			C	J01	FAN L SSPA 3

		W133-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ACAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU9		m			FAN LSSPA2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU9			A	J01	FAN L SSPA 2
NEUTRAL	U/CPS BOX	FU9			B	J01	FAN L SSPA 2
GND	U/CPS BOX	GND			C	J01	FAN L SSPA 2

		W134-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10160ACAA			85136RG123 S 5044		
MARKING		LENGTH			MARKING		
U/CPS BOX FU10		m			FAN LSSPA1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU10			A	J01	FAN L SSPA 1
NEUTRAL	U/CPS BOX	FU10			B	J01	FAN L SSPA 1
GND	U/CPS BOX	GND			C	J01	FAN L SSPA 1

			<b>W135-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ACAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU12			m			THBOX		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU12			A	J02	THERM. BOX	
NEUTRAL	U/CPS BOX	FU12			B	J02	THERM. BOX	
GND	U/CPS BOX	GND			C	J02	THERM. BOX	

			<b>W141-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ADAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU1			m			FAN RSSPA1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU1			A	J01	FAN R SSPA 1	
NEUTRAL	U/CPS BOX	FU1			B	J01	FAN R SSPA 1	
GND	U/CPS BOX	GND			C	J01	FAN R SSPA 1	

			<b>W142-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ADAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU2			m			FAN RSSPA2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU2			A	J01	FAN R SSPA 2	
NEUTRAL	U/CPS BOX	FU2			B	J01	FAN R SSPA 2	
GND	U/CPS BOX	GND			C	J01	FAN R SSPA 2	

			<b>W143-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ADAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU3			m			FAN RSSPA3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU3			A	J01	FAN R SSPA 3	
NEUTRAL	U/CPS BOX	FU3			B	J01	FAN R SSPA 3	
GND	U/CPS BOX	GND			C	J01	FAN R SSPA 3	

			<b>W144-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ADAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU4			m			FAN RSSPA4		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU4			A	J01	FAN R SSPA 4	
NEUTRAL	U/CPS BOX	FU4			B	J01	FAN R SSPA 4	
GND	U/CPS BOX	GND			C	J01	FAN R SSPA 4	

			<b>W145*-000-000</b>					
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
EMBOUTS			ZL 0,5 STZ 3 3BT10160ADAA			85136RG123 S 5044		
MARKING			LENGTH			MARKING		
U/CPS BOX FU13			m			TRACK D/C		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
PHASE	U/CPS BOX	FU13			A	J16	TRACKING D/C	
NEUTRAL	U/CPS BOX	FU13			B	J16	TRACKING D/C	
GND	U/CPS BOX	GND			C	J16	TRACKING D/C	



W161-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164AAAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU14		m			PANEL1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU14					PANEL 1
NEUTRAL	U/CPS BOX	FU14					PANEL 1
GND	U/CPS BOX	GND					PANEL 1

W162-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164AAAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU15		m			PANEL2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU15					PANEL 2
NEUTRAL	U/CPS BOX	FU15					PANEL 2
GND	U/CPS BOX	GND					PANEL 2

W163-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164AAAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU16		m			PANEL3		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU16					PANEL 3
NEUTRAL	U/CPS BOX	FU16					PANEL 3
GND	U/CPS BOX	GND					PANEL 3

W164-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164AAAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU17		m			PANEL4		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU17					PANEL 4
NEUTRAL	U/CPS BOX	FU17					PANEL 4
GND	U/CPS BOX	GND					PANEL 4

W165-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164AAAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU18		m			PANEL5		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU18					PANEL 5
NEUTRAL	U/CPS BOX	FU18					PANEL 5
GND	U/CPS BOX	GND					PANEL 5

W171-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ABAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU19		m			PANEL6		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU19					PANEL 6
NEUTRAL	U/CPS BOX	FU19					PANEL 6
GND	U/CPS BOX	GND					PANEL 6

		W172-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ABAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU20		m			PANEL7		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU20					PANEL 7
NEUTRAL	U/CPS BOX	FU20					PANEL 7
GND	U/CPS BOX	GND					PANEL 7

		W173-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ABAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU21		m			PANEL8		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU21					PANEL 8
NEUTRAL	U/CPS BOX	FU21					PANEL 8
GND	U/CPS BOX	GND					PANEL 8

		W174-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ABAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU22		m			PANEL9		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU22					PANEL 9
NEUTRAL	U/CPS BOX	FU22					PANEL 9
GND	U/CPS BOX	GND					PANEL 9

		W175-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ABAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU23		m			PANEL10		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU23					PANEL 10
NEUTRAL	U/CPS BOX	FU23					PANEL 10
GND	U/CPS BOX	GND					PANEL 10

		W181-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ACAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU24		m			PANEL11		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU24					PANEL 11
NEUTRAL	U/CPS BOX	FU24					PANEL 11
GND	U/CPS BOX	GND					PANEL 11

		W182-000-000					
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ACAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU25		m			PANEL12		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU25					PANEL 12
NEUTRAL	U/CPS BOX	FU25					PANEL 12
GND	U/CPS BOX	GND					PANEL 12



W183-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ACAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX FU26		m			HORN/SUB		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX	FU26					HORN/SUBREFLECTOR
NEUTRAL	U/CPS BOX	FU26					HORN/SUBREFLECTOR
GND	U/CPS BOX	GND					HORN/SUBREFLECTOR

W184-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ACAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX		m			SPARE		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX						SPARE
NEUTRAL	U/CPS BOX						SPARE
GND	U/CPS BOX	GND					SPARE

W185-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT10164ACAA			ETAME SANS EMBOUT		
MARKING		LENGTH			MARKING		
U/CPS BOX		m			SPARE		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	U/CPS BOX						SPARE
NEUTRAL	U/CPS BOX						SPARE
GND	U/CPS BOX	GND					SPARE

W190-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT11027AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
PWR INTF X1-39/40		m			PS LUB		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	POWER INTERFACE	X1	37		W1		LUBRICATION
NEUTRAL	POWER INTERFACE	X1	38		V1		LUBRICATION
GND	POWER INTERFACE						LUBRICATION

W191-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL 0,5 STZ 3 3BT11027AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
PWR-INTF-QF5		m			PED SOCKET		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PHASE	CABINET QF5	X1	9				PEDESTAL LIGHT
NEUTRAL	CABINET QF5	X1	10				PEDESTAL LIGHT
GND	CABINET QF5		GND				PEDESTAL LIGHT

A.1.3.2 – Signals

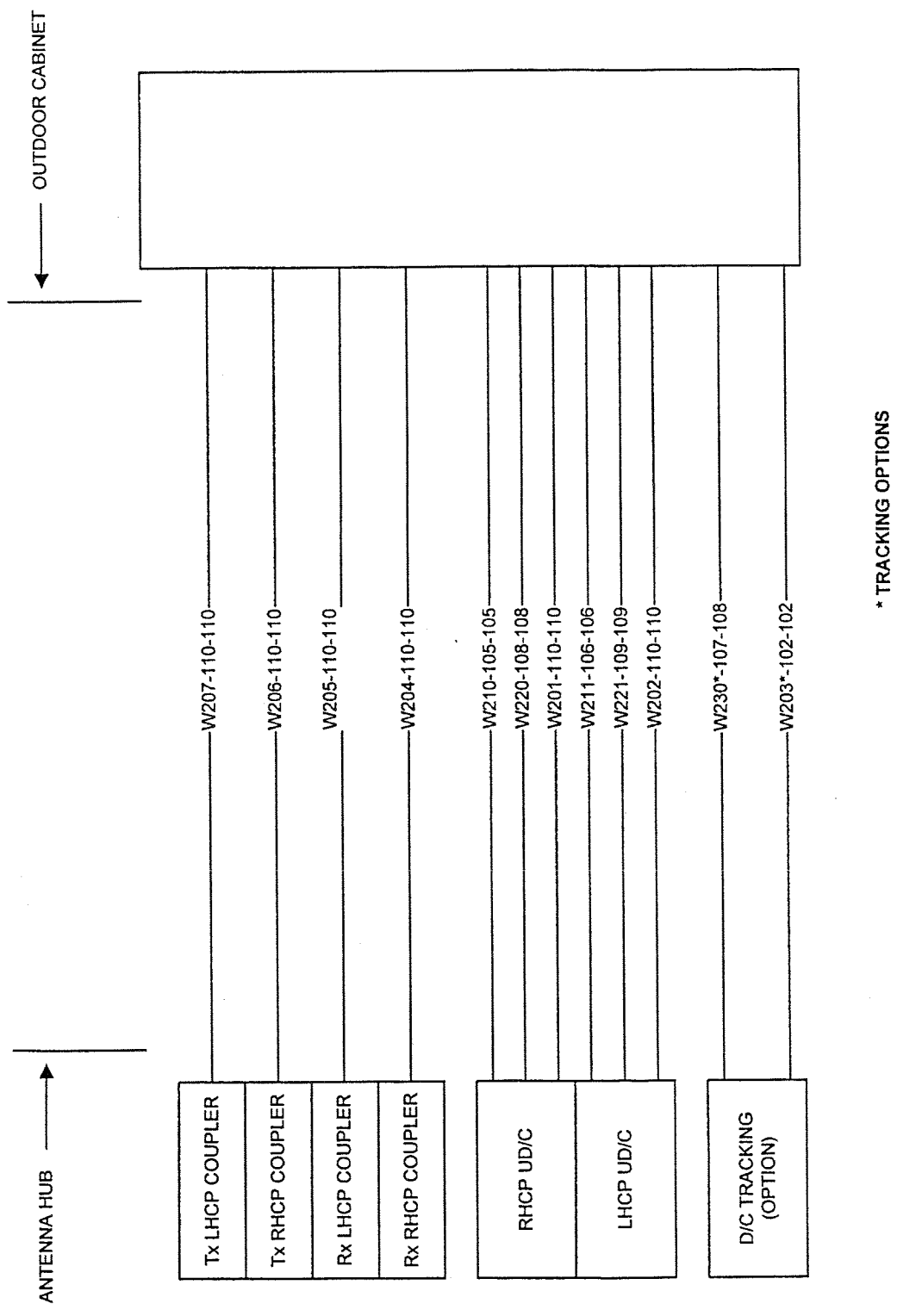


Figure 174 – Antenna to outdoor cabinet signals general wiring

W201-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
10MHz		m				RCONV-J14	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
10 MHz RHCP CONV	10 MHz Distributor					J14	RHCP CONVERTER

W202-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
10MHz		m				LCONV-J14	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
10 MHz LHCP CONV	10 MHz Distributor					J14	LHCP CONVERTER

W203-102-102							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB				N Male	
MARKING		LENGTH				MARKING	
10MHz		m				TRACKCONV-J14	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
10 MHz TRACKING CONV	10 MHz Distributor					J14	TRACK CONVERTER

W204-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
RxRTEST		m				RxR CPL	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Rx RHCP TEST	TEST TRANSLATOR						Rx RHCP COUPLER

W205-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
RxLTEST		m				RxL CPL	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Rx LHCP TEST	TEST TRANSLATOR						Rx LHCP COUPLER

W206-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
TxRTEST		m				TxR CPL	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Tx RHCP TEST	TEST TRANSLATOR						Tx RHCP COUPLER

W207-110-110							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 1dB 3BT10154AAAA				N Male	
MARKING		LENGTH				MARKING	
TxL TEST		m				TxL CPL	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Tx LHCP TEST	TEST TRANSLATOR						Tx LHCP COUPLER

W210-105-105							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 0.45dB/m 3BT10166AAAA				N Male	
MARKING		LENGTH				MARKING	
TxRHCP		m				RCONV-J01	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Tx RHCP	TEST COUPLER RACK					J01	RHCP CONVERTER

W211-106-106							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 0.45dB/m 3BT10166ABAA				N Male	
MARKING		LENGTH				MARKING	
TxLHCP		m				LCONV-J01	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Tx LHCP	TEST COUPLER RACK					J01	LHCP CONVERTER

W220-108-108							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 0.45dB/m 3BT10166ACAA				N Male	
MARKING		LENGTH				MARKING	
RxRHCP		m				RCONV-J12	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Rx RHCP	TEST COUPLER RACK					J12	RHCP CONVERTER

W221-109-109							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 0.45dB/m 3BT10166ADAA				N Male	
MARKING		LENGTH				MARKING	
RxLHCP		m				LCONV-J12	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Rx LHCP	TEST COUPLER RACK					J12	LHCP CONVERTER

W230*-107-108							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
N Male		COAX 0.5dB				N Male	
MARKING		LENGTH				MARKING	
RxTRACK		m				TRACKCONV-J12	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Rx LHCP	TEST COUPLER RACK					J12	TRACK CONVERTER

### A.1.3.3 – Monitoring and control

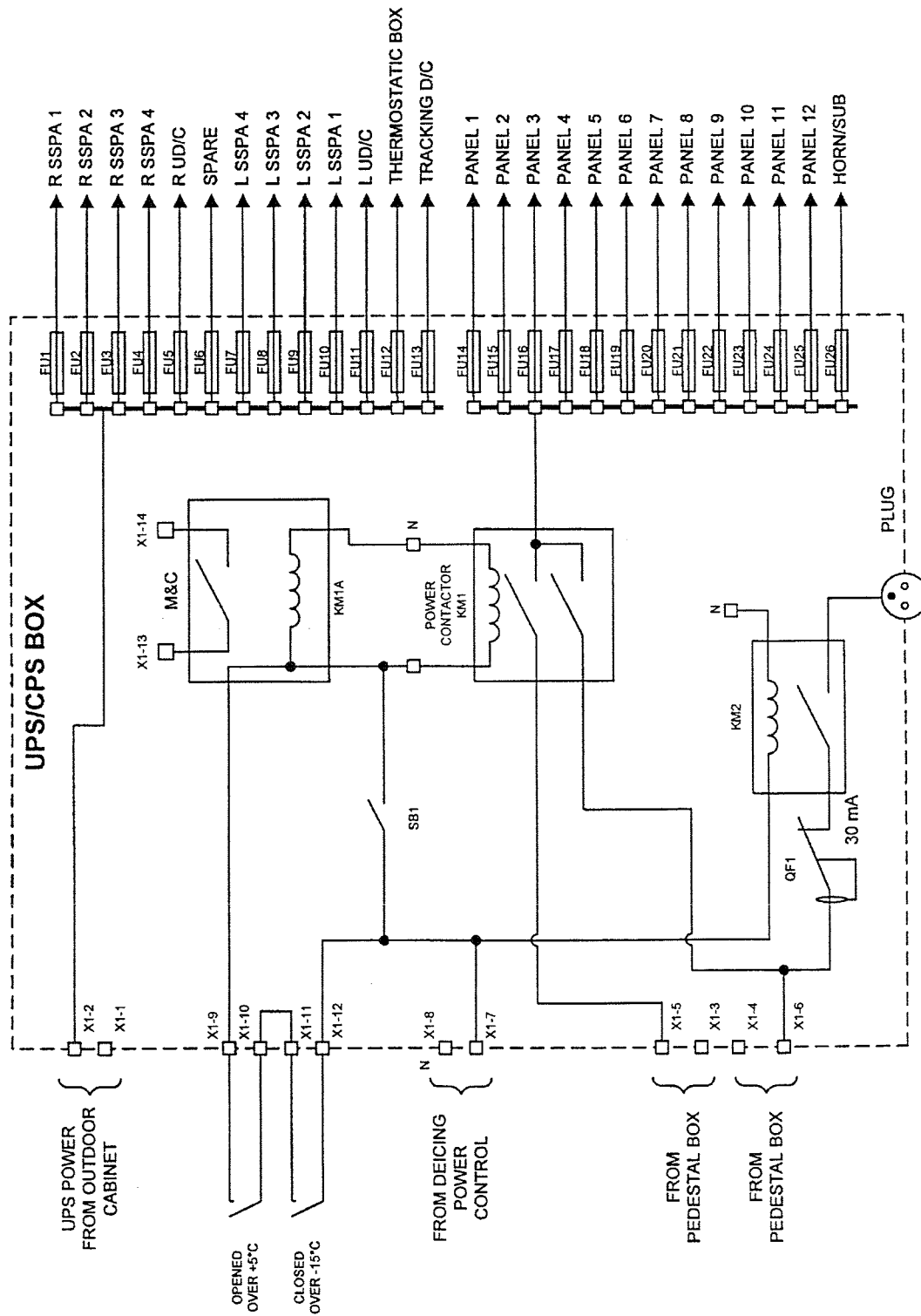


Figure 175 – Antenna to outdoor cabinet monitoring & control general wiring (1)

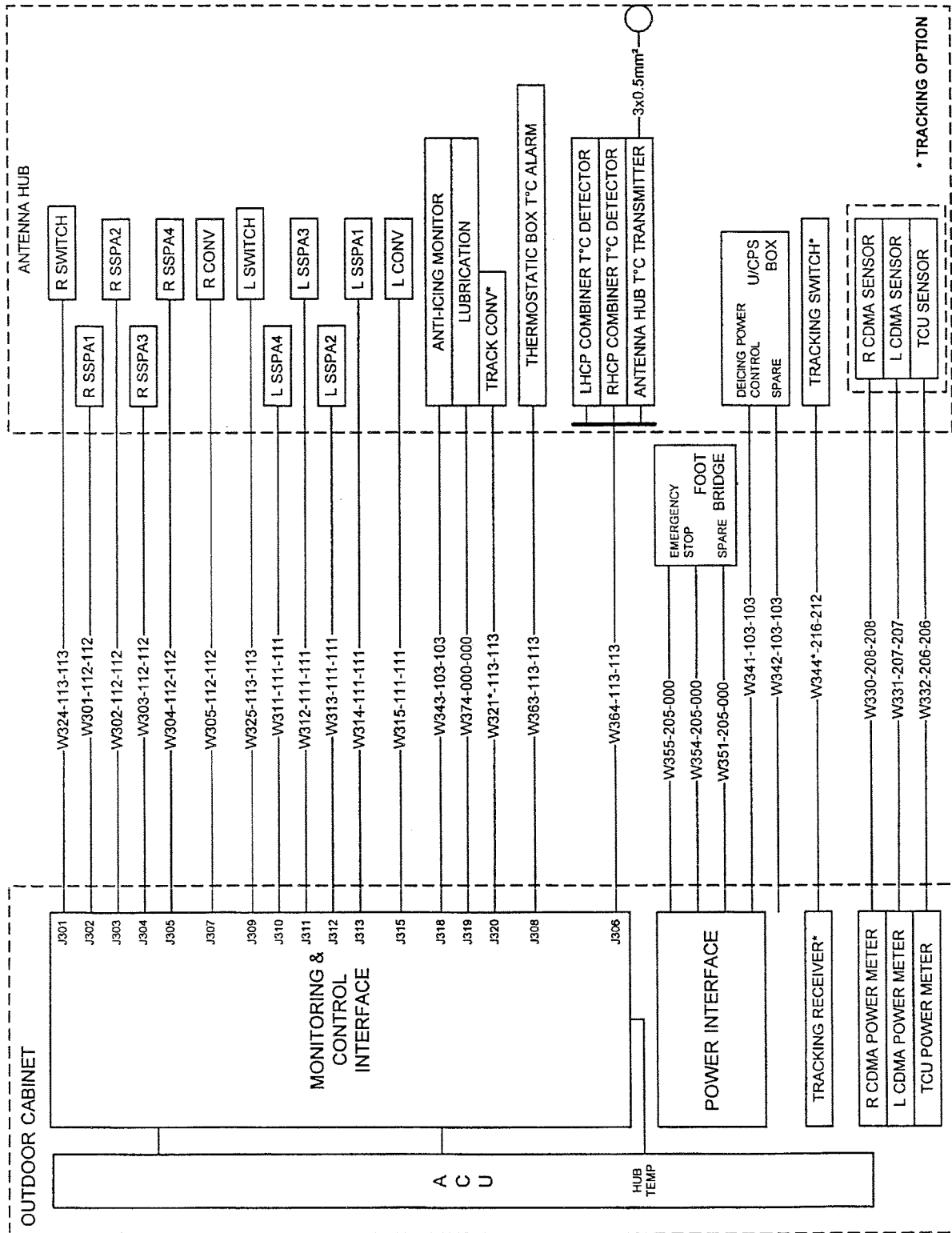


Figure 176 – Antenna to outdoor cabinet monitoring & control general wiring (2)

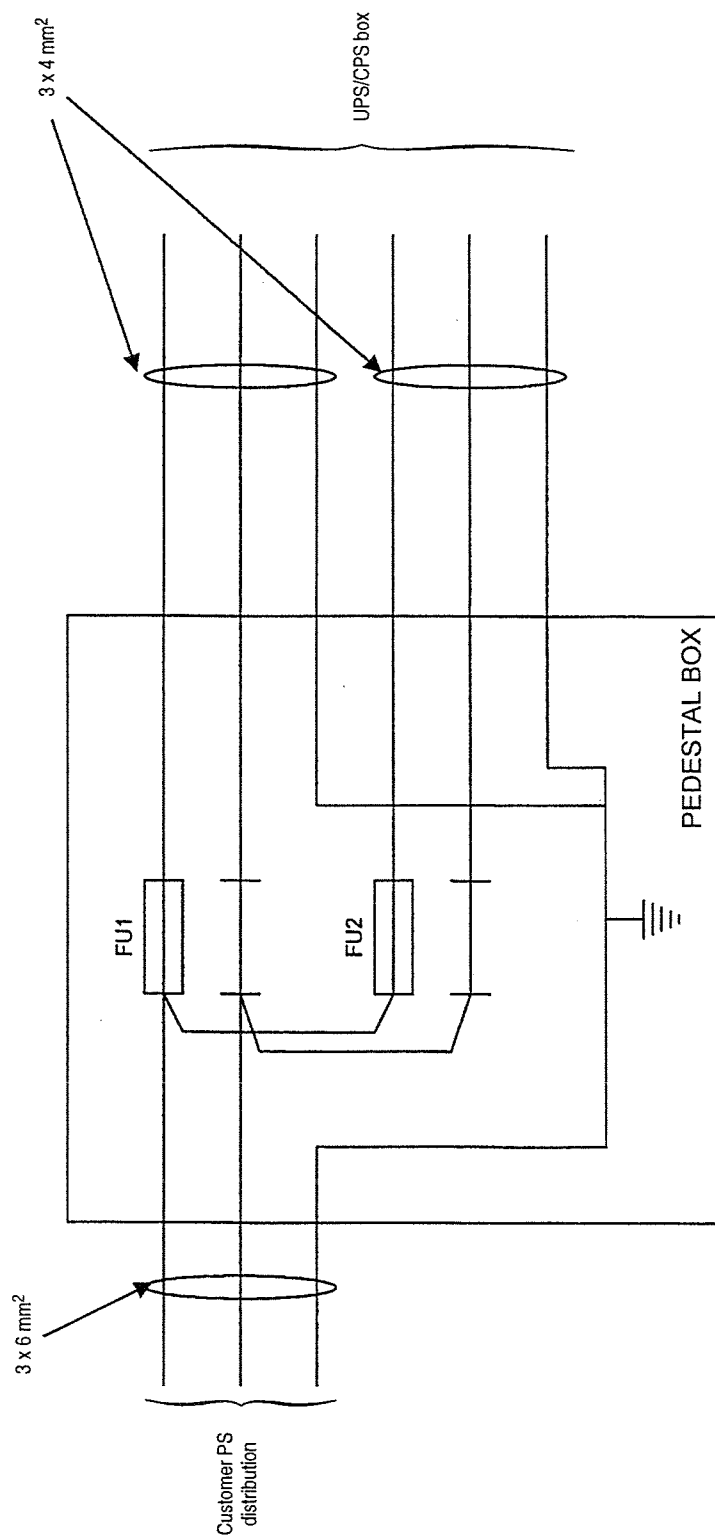


Figure 177 – Pedestal box (Inside the pedestal)

W301-112-112							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10155ABAA			85136RG106P5044 HE301		
MARKING		LENGTH			MARKING		
INTF BOARD-J302		m			RSSPA1-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	INTERFACE BOARD	J302	1		A	J03	RHCP SSPA1
ALARM	INTERFACE BOARD	J302	2		B	J03	RHCP SSPA1
POWER CONTROL	INTERFACE BOARD	J302	8		C	J03	RHCP SSPA1
CONTROL COMMON	INTERFACE BOARD	J302	9		D	J03	RHCP SSPA1
LED	INTERFACE BOARD	J302	3		E	J03	RHCP SSPA1
LED	INTERFACE BOARD	J302	4		F	J03	RHCP SSPA1

W302-112-112							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10155ABAA			85136RG106P5044 HE301		
MARKING		LENGTH			MARKING		
INTF BOARD-J303		m			RSSPA2-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	INTERFACE BOARD	J303	1		A	J03	RHCP SSPA2
ALARM	INTERFACE BOARD	J303	2		B	J03	RHCP SSPA2
POWER CONTROL	INTERFACE BOARD	J303	8		C	J03	RHCP SSPA2
CONTROL COMMON	INTERFACE BOARD	J303	9		D	J03	RHCP SSPA2
LED	INTERFACE BOARD	J303	3		E	J03	RHCP SSPA2
LED	INTERFACE BOARD	J303	4		F	J03	RHCP SSPA2

W303-112-112							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10155ABAA			85136RG106P5044 HE301		
MARKING		LENGTH			MARKING		
INTF BOARD-J304		m			RSSPA3-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	INTERFACE BOARD	J304	1		A	J03	RHCP SSPA3
ALARM	INTERFACE BOARD	J304	2		B	J03	RHCP SSPA3
POWER CONTROL	INTERFACE BOARD	J304	8		C	J03	RHCP SSPA3
CONTROL COMMON	INTERFACE BOARD	J304	9		D	J03	RHCP SSPA3
LED	INTERFACE BOARD	J304	3		E	J03	RHCP SSPA3
LED	INTERFACE BOARD	J304	4		F	J03	RHCP SSPA3

W304-112-112							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10155ABAA			85136RG106P5044 HE301		
MARKING		LENGTH			MARKING		
INTF BOARD-J305		m			RSSPA4-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ALARM COMMON	INTERFACE BOARD	J305	1		A	J03	RHCP SSPA4
ALARM	INTERFACE BOARD	J305	2		B	J03	RHCP SSPA4
POWER CONTROL	INTERFACE BOARD	J305	8		C	J03	RHCP SSPA4
CONTROL COMMON	INTERFACE BOARD	J305	9		D	J03	RHCP SSPA4
LED	INTERFACE BOARD	J305	3		E	J03	RHCP SSPA4
LED	INTERFACE BOARD	J305	4		F	J03	RHCP SSPA4



W305-112-112								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155ABAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J307			m			RCONV-J15		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
LNA ALARM COMMON	INTERFACE BOARD	J307	5		A	J15	RHCP CONVERTER	
LNA ALARM	INTERFACE BOARD	J307	6		B	J15	RHCP CONVERTER	
D/C ALARM COMMON	INTERFACE BOARD	J307	3		C	J15	RHCP CONVERTER	
D/C ALARM	INTERFACE BOARD	J307	4		D	J15	RHCP CONVERTER	
U/C ALARM COMMON	INTERFACE BOARD	J307	1		E	J15	RHCP CONVERTER	
U/C ALARM	INTERFACE BOARD	J307	2		F	J15	RHCP CONVERTER	

W311-111-111								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155AAAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J310			m			LSSPA4-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
ALARM COMMON	INTERFACE BOARD	J310	1		A	J03	LHCP SSPA4	
ALARM	INTERFACE BOARD	J310	2		B	J03	LHCP SSPA4	
POWER CONTROL	INTERFACE BOARD	J310	8		C	J03	LHCP SSPA4	
CONTROL COMMON	INTERFACE BOARD	J310	9		D	J03	LHCP SSPA4	
LED	INTERFACE BOARD	J310	3		E	J03	LHCP SSPA4	
LED	INTERFACE BOARD	J310	4		F	J03	LHCP SSPA4	

W312-111-111								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155AAAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J311			m			LSSPA3-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
ALARM COMMON	INTERFACE BOARD	J311	1		A	J03	LHCP SSPA3	
ALARM	INTERFACE BOARD	J311	2		B	J03	LHCP SSPA3	
POWER CONTROL	INTERFACE BOARD	J311	8		C	J03	LHCP SSPA3	
CONTROL COMMON	INTERFACE BOARD	J311	9		D	J03	LHCP SSPA3	
LED	INTERFACE BOARD	J311	3		E	J03	LHCP SSPA3	
LED	INTERFACE BOARD	J311	4		F	J03	LHCP SSPA3	

W313-111-111								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155AAAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J312			m			LSSPA2-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
ALARM COMMON	INTERFACE BOARD	J312	1		A	J03	LHCP SSPA2	
ALARM	INTERFACE BOARD	J312	2		B	J03	LHCP SSPA2	
POWER CONTROL	INTERFACE BOARD	J312	8		C	J03	LHCP SSPA2	
CONTROL COMMON	INTERFACE BOARD	J312	9		D	J03	LHCP SSPA2	
LED	INTERFACE BOARD	J312	3		E	J03	LHCP SSPA2	
LED	INTERFACE BOARD	J312	4		F	J03	LHCP SSPA2	

W314-111-111								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155AAAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J313			m			LSSPA1-J03		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
ALARM COMMON	INTERFACE BOARD	J313	1		A	J03	LHCP SSPA1	
ALARM	INTERFACE BOARD	J313	2		B	J03	LHCP SSPA1	
POWER CONTROL	INTERFACE BOARD	J313	8		C	J03	LHCP SSPA1	
CONTROL COMMON	INTERFACE BOARD	J313	9		D	J03	LHCP SSPA1	
LED	INTERFACE BOARD	J313	3		E	J03	LHCP SSPA1	
LED	INTERFACE BOARD	J313	4		F	J03	LHCP SSPA1	

W315-111-111								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10155AAAA			85136RG106P5044 HE301		
MARKING			LENGTH			MARKING		
INTF BOARD-J315			m			LCONV-J15		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
LNA ALARM COMMON	INTERFACE BOARD	J315	5		A	J15	LHCP CONVERTER	
LNA ALARM	INTERFACE BOARD	J315	6		B	J15	LHCP CONVERTER	
D/C ALARM COMMON	INTERFACE BOARD	J315	3		C	J15	LHCP CONVERTER	
D/C ALARM	INTERFACE BOARD	J315	4		D	J15	LHCP CONVERTER	
U/C ALARM COMMON	INTERFACE BOARD	J315	1		E	J15	LHCP CONVERTER	
U/C ALARM	INTERFACE BOARD	J315	2		F	J15	LHCP CONVERTER	

W321*-113-113								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
			ZN2419STZ6 3BT10153AAAA					
MARKING			LENGTH			MARKING		
INTF BOARD-J320			m			TRACKCONV-J15		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
LNA ALARM COMMON	INTERFACE BOARD	J320	5		A	J15	TRACK CONVERTER	
LNA ALARM	INTERFACE BOARD	J320	6		B	J15	TRACK CONVERTER	
D/C ALARM COMMON	INTERFACE BOARD	J320	3		C	J15	TRACK CONVERTER	
D/C ALARM	INTERFACE BOARD	J320	4		D	J15	TRACK CONVERTER	

W324-113-113								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10153AAAA			MS3106 14S-6S		
MARKING			LENGTH			MARKING		
INTF BOARD-J301			m			RSWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
CONTROL POSITION 1	INTERFACE BOARD	J301	8		A		RHCP SWITCH	
CONTROL COMMON	INTERFACE BOARD	J301	9		B		RHCP SWITCH	
CONTROL POSITION 2	INTERFACE BOARD	J301	7		C		RHCP SWITCH	
MONITOR POSITION 1	INTERFACE BOARD	J301	2		D		RHCP SWITCH	
MONITOR COMMON	INTERFACE BOARD	J301	1		E		RHCP SWITCH	
MONITOR POSITION 2	INTERFACE BOARD	J301	3		F		RHCP SWITCH	

W325-113-113								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036			ZN2419STZ6 3BT10153AAAA			MS3106 14S-6S		
MARKING			LENGTH			MARKING		
INTF BOARD-J309			m			LSWITCH		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
CONTROL POSITION 1	INTERFACE BOARD	J309	8		A		LHCP SWITCH	
CONTROL COMMON	INTERFACE BOARD	J309	9		B		LHCP SWITCH	
CONTROL POSITION 2	INTERFACE BOARD	J309	7		C		LHCP SWITCH	
MONITOR POSITION 1	INTERFACE BOARD	J309	2		D		LHCP SWITCH	
MONITOR COMMON	INTERFACE BOARD	J309	1		E		LHCP SWITCH	
MONITOR POSITION 2	INTERFACE BOARD	J309	3		F		LHCP SWITCH	

W330-208-208								
ORIGIN CONNECTOR			CABLE			END CONNECTOR		
GIGATRONICS			2 ZN2419STZ3TI 3BT10170AAAA			GIGATRONICS		
MARKING			LENGTH			MARKING		
PWR1			m			RCDMA		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT	
	POWER METER 1						RHCP CDMA SENSOR	
	POWER METER 1						RHCP CDMA SENSOR	
	POWER METER 1						RHCP CDMA SENSOR	
	POWER METER 1						RHCP CDMA SENSOR	
	POWER METER 1						RHCP CDMA SENSOR	
	POWER METER 1						RHCP CDMA SENSOR	

W331-207-207							
ORIGIN CONNECTOR GIGATRONICS			CABLE 2 ZN2419STZ3TI 3BT10170ABAA			END CONNECTOR GIGATRONICS	
MARKING PWR2			LENGTH m			MARKING LCDMA	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	POWER METER 2						LHCP CDMA SENSOR
	POWER METER 2						LHCP CDMA SENSOR
	POWER METER 2						LHCP CDMA SENSOR
	POWER METER 2						LHCP CDMA SENSOR
	POWER METER 2						LHCP CDMA SENSOR
	POWER METER 2						LHCP CDMA SENSOR

W332-206-206							
ORIGIN CONNECTOR VOLEX			CABLE 2 ZN2419STZ3TI 3BT10168AAAA			END CONNECTOR VOLEX	
MARKING PWR3			LENGTH m			MARKING LTCU	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	POWER METER 3						LHCP TCU SENSOR
	POWER METER 3						LHCP TCU SENSOR
	POWER METER 3						LHCP TCU SENSOR
	POWER METER 3						LHCP TCU SENSOR
	POWER METER 3						LHCP TCU SENSOR
	POWER METER 3						LHCP TCU SENSOR

W341-103-103							
ORIGIN CONNECTOR EMBOUTS			CABLE ZN2419STZ2 3BT10152AAAA			END CONNECTOR EMBOUTS	
MARKING PWR INTF-21/22			LENGTH m			MARKING U/CPSBOX X1-7/8	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
DEICING POWER CONTROL	POWER INTERFACE	X1	21		7	X1	U/CPS BOX
NEUTRAL	POWER INTERFACE	X1	22		8	X1	U/CPS BOX

W342-103-103							
ORIGIN CONNECTOR EMBOUTS			CABLE ZN2419STZ2 3BT10152AAAA			END CONNECTOR EMBOUTS	
MARKING SPARE			LENGTH m			MARKING U/CPSBOX	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
SPARE							U/CPS BOX
SPARE							U/CPS BOX

W343-103-103							
ORIGIN CONNECTOR SUB D - DEM9P 1AB003110036			CABLE ZN2419STZ2 3BT10152AAAA			END CONNECTOR EMBOUTS	
MARKING INTF BOARD-J318			LENGTH m			MARKING U/CPSBOX X1-13/14	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
ANTI-ICING COMMON	INTERFACE BOARD	J318	1		13	X1	U/CPS BOX
ANTI-ICING ON	INTERFACE BOARD	J318	2		14	X1	U/CPS BOX

W344*-216-212							
ORIGIN CONNECTOR SUB D 25 Pts Male			CABLE			END CONNECTOR 85136RG106P5044 HE301	
MARKING TRCK RCV INTF-J2			LENGTH m			MARKING TRCK SWITCH BOX-J04	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
SWITCH CONTROL	TRACKING RECEIVER	J2	2		B	J04	TRACK SWITCH BOX
COMMON	TRACKING RECEIVER	J2	1		A	J04	TRACK SWITCH BOX

W351-205-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
		ZN2419STZ2 3BT10158AAAA					
MARKING		LENGTH				MARKING	
		m					
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	SPARE						
	SPARE						

W354-205-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		ZN2419STZ2 3BT10158AAAA				EMBOUTS	
MARKING		LENGTH				MARKING	
PWR INTF 17/18		m				EMERSTP 3/4	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
EMERGENCY STOP	POWER INTERFACE	X1	17		3		EMERGENCY STOP
EMERGENCY STOP	POWER INTERFACE	X1	18		4		EMERGENCY STOP

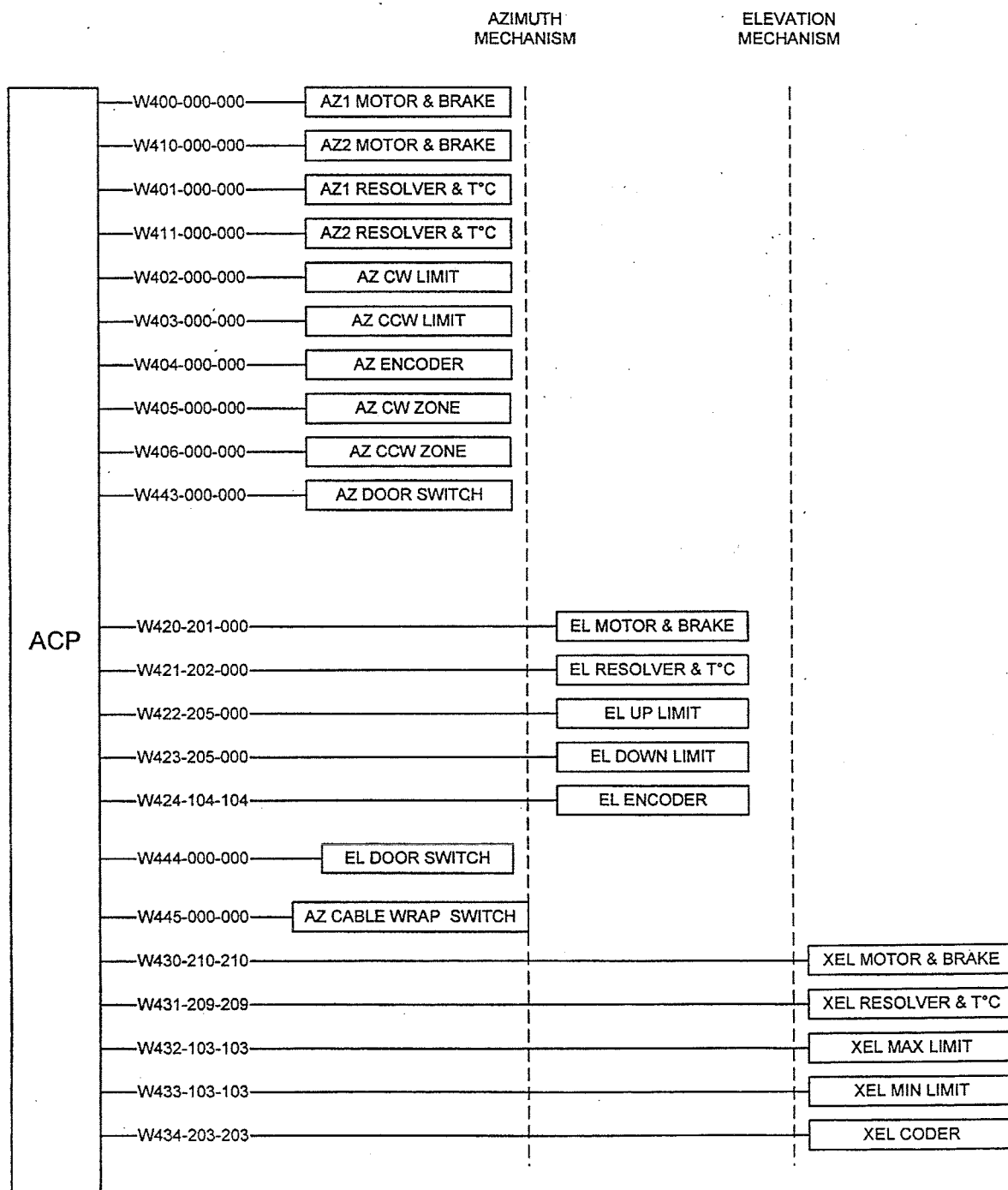
W355-205-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
EMBOUTS		ZN2419STZ2 3BT10158AAAA				EMBOUTS	
MARKING		LENGTH				MARKING	
PWR INTF 19/20		m				EMERSTP 5/6	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
EMERGENCY STOP	POWER INTERFACE	X1	19		5		EMERGENCY STOP
EMERGENCY STOP	POWER INTERFACE	X1	20		6		EMERGENCY STOP

W363-113-113							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10153AAAA				85136RG106P5044 HE301	
MARKING		LENGTH				MARKING	
INTF BOARD-J308		m				TH BOX	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
THERM. BOX COM.	INTERFACE BOARD	J308	1			J01	THERMOSTATIC BOX
THERM. BOX ALARM	INTERFACE BOARD	J308	2			J01	THERMOSTATIC BOX

W364-113-113							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
SUB D - DEM9P 1AB003110036		ZN2419STZ6 3BT10153AAAA				85136RG106P5044 HE301	
MARKING		LENGTH				MARKING	
INTF BOARD-J306		m				TEMP MON	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
RHCP COMBINER COMMON	INTERFACE BOARD	J306	1		A		TEMP MONITOR
RHCP COMBINER ALARM	INTERFACE BOARD	J306	2		B		TEMP MONITOR
LHCP COMBINER COMMON	INTERFACE BOARD	J306	3		C		TEMP MONITOR
LHCP COMBINER ALARM	INTERFACE BOARD	J306	4		D		TEMP MONITOR
ANALOG VOLTAGE OUTPUT	INTERFACE BOARD	J306	5		E		TEMP MONITOR
ANALOG VOLTAGE OUTPUT	INTERFACE BOARD	J306	6		F		TEMP MONITOR

W374-000-000							
ORIGIN CONNECTOR		CABLE				END CONNECTOR	
SUB D - DEM9P 1AB003110036		ZL 0,5 STZ3 3BT11027AAAA				EMBOUTS	
MARKING		LENGTH				MARKING	
INTF BOARD-J319		m				LUB ALARM	
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
LUBRICATION COMMON	INTERFACE BOARD	J319	1				LUB
LUBRICATION ALARM	INTERFACE BOARD	J319	2				LUB

### A.1.3.4 – Antenna tracking



*Figure 178 – Antenna to outdoor cabinet antenna tracking general wiring*

W400-000-000							
ORIGIN CONNECTOR EMBOUITS		CABLE 4RTF2.5+2RTF1.5-STI 3BT10165AAAA			END CONNECTOR COSSES YELLOW ETROITES		
MARKING ACP-UV21/TBBRAKE		LENGTH m			MARKING AZ MOT1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PH1	ACP	UV21	U		U		AZ MOTOR 1
PH2	ACP	UV21	V		V		AZ MOTOR 1
PH3	ACP	UV21	W		W		AZ MOTOR 1
GROUND	ACP	UV21	GND		GND		AZ MOTOR 1
BRAKE +	ACP	TBBRAKE	2		+		AZ MOTOR 1
BRAKE -	ACP	TBBRAKE	1		-		AZ MOTOR 1

W401-000-000							
ORIGIN CONNECTOR SUB D - DEM9P 1AB003110036		CABLE 3ZN2419STZ2+2ZL0.5STI 3BT10163ACAA			END CONNECTOR SPNA-12-DFRAN-16911-A		
MARKING ACP-UV21-RESOLV.		LENGTH m			MARKING AZ MOT1		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Ref	ACP-UV21	Resolver	1		5		AZ MOTOR 1
Ref	ACP-UV21	Resolver	2		9		AZ MOTOR 1
Sin	ACP-UV21	Resolver	3		4		AZ MOTOR 1
Sin	ACP-UV21	Resolver	4		8		AZ MOTOR 1
Cos	ACP-UV21	Resolver	5		7		AZ MOTOR 1
Cos	ACP-UV21	Resolver	6		3		AZ MOTOR 1
T5C	ACP-UV21	Resolver	11		2		AZ MOTOR 1
T5C	ACP-UV21	Resolver	12		1		AZ MOTOR 1

W402-000-000							
ORIGIN CONNECTOR EMBOUITS		CABLE ZN 2419 STZ-2 3BT10167AAAA			END CONNECTOR EMBOUITS		
MARKING ACP-TBANT-7/8		LENGTH m			MARKING AZCW LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	7				AZ CW Limit Switch
	ACP	TBANT	8				AZ CW Limit Switch

W403-000-000							
ORIGIN CONNECTOR EMBOUITS		CABLE ZN 2419 STZ-2 3BT10167AAAA			END CONNECTOR EMBOUITS		
MARKING ACP-TBANT-9/10		LENGTH m			MARKING AZCCW LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	9				AZ CCW Limit Switch
	ACP	TBANT	10				AZ CCW Limit Switch



W404-000-000							
ORIGIN CONNECTOR SUB D - DEM15P		CABLE 6xZN2419 STZ2-STI 3BT10161ACAA			END CONNECTOR 85136-RG-141-9-S-50		
MARKING ACU-AZ POS		LENGTH m			MARKING AZ COD		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACU	AZ POS	1		B		AZ CODER
	ACU	AZ POS	2		C		AZ CODER
	ACU	AZ POS	10		L		AZ CODER
	ACU	AZ POS	3		K		AZ CODER
	ACU	AZ POS	12		G		AZ CODER
	ACU	AZ POS	5		F		AZ CODER
	ACU	AZ POS	13		T		AZ CODER
	ACU	AZ POS	6		H		AZ CODER
	ACU	AZ POS	7		V		AZ CODER
	ACU	AZ POS	15		S		AZ CODER

W405-000-000							
ORIGIN CONNECTOR EMBOUTS		CABLE ZN-2419-STZ-2 3BT10167AAAA			END CONNECTOR EMBOUTS		
MARKING ACP-TBANT-3/4		LENGTH m			MARKING AZCW ZONE		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP-TBANT	TBANT	3				AZ CW ZONE
	ACP-TBANT	TBANT	4				AZ CW ZONE

W406-000-000							
ORIGIN CONNECTOR EMBOUTS		CABLE ZN-2419-STZ-2 3BT10167AAAA			END CONNECTOR EMBOUTS		
MARKING ACP-TBANT-5/6		LENGTH m			MARKING AZCCW ZONE		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP-TBANT	TBANT	5				AZ CCW ZONE
	ACP-TBANT	TBANT	6				AZ CCW ZONE

W410-000-000							
ORIGIN CONNECTOR EMBOUTS		CABLE 4RTF2.5+2RTF1.5-STI 3BT10165ABAA			END CONNECTOR COSSES YELLOW ETROITES		
MARKING ACP-UV22/TBBRAKE		LENGTH m			MARKING AZ MOT2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PH1	ACP	UV22	U		U		AZ MOTOR 2
PH2	ACP	UV22	V		V		AZ MOTOR 2
PH3	ACP	UV22	W		W		AZ MOTOR 2
GROUND	ACP	UV22	GND		GND		AZ MOTOR 2
BRAKE +	ACP	TBBRAKE	4		+		AZ MOTOR 2
BRAKE -	ACP	TBBRAKE	3		-		AZ MOTOR 2

W411-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		3ZN2419STZ2+2ZL0.5STI 3BT10163ADAA			SPNA-12-DFRAN-16911-A		
MARKING		LENGTH			MARKING		
ACP-UV22-RESOLV.		m			AZ MOT2		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Ref	ACP-UV22	Resolver	1		5		AZ MOTOR 2
Ref	ACP-UV22	Resolver	2		9		AZ MOTOR 2
Sin	ACP-UV22	Resolver	3		4		AZ MOTOR 2
Sin	ACP-UV22	Resolver	4		8		AZ MOTOR 2
Cos	ACP-UV22	Resolver	5		7		AZ MOTOR 2
Cos	ACP-UV22	Resolver	6		3		AZ MOTOR 2
T°C	ACP-UV22	Resolver	11		2		AZ MOTOR 2
T°C	ACP-UV22	Resolver	12		1		AZ MOTOR 2

W420-201-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		4xRTF2.5+2RTF1.5-STI 3BT10165ACAA			COSSES YELLOW		
MARKING		LENGTH			MARKING		
ACP-UV31/TBBRAKE		m			EL MOT		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PH1	ACP	UV31	U		U		EL MOTOR
PH2	ACP	UV31	V		V		EL MOTOR
PH3	ACP	UV31	W		W		EL MOTOR
GROUND	ACP	UV31	GND		GND		EL MOTOR
BRAKE +	ACP	TBBRAKE	6		+		EL MOTOR
BRAKE -	ACP	TBBRAKE	5		-		EL MOTOR

W421-202-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		3ZN2419STZ2+2ZL0.5STI 3BT10163AAAA			SPNA-12-DFRAN-16911-A		
MARKING		LENGTH			MARKING		
ACP-UV31-RESOLV.		m			EL MOT		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Ref	ACP-UV31	Resolver	1		5		EL MOTOR
Ref	ACP-UV31	Resolver	2		9		EL MOTOR
Sin	ACP-UV31	Resolver	3		4		EL MOTOR
Sin	ACP-UV31	Resolver	4		8		EL MOTOR
Cos	ACP-UV31	Resolver	5		7		EL MOTOR
Cos	ACP-UV31	Resolver	6		3		EL MOTOR
T°C	ACP-UV31	Resolver	11		2		EL MOTOR
T°C	ACP-UV31	Resolver	12		1		EL MOTOR

W422-205-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZN-2419-STZ-2 3BT10158AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-11/12		m			ELUP LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	11				EL UP Limit Switch
	ACP	TBANT	12				EL UP Limit Switch

W423-205-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZN-2419-STZ-2 3BT10158AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-13/14		m			ELDOWN LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	13				EL DOWN Limit Switch
	ACP	TBANT	14				EL DOWN Limit Switch



W424-104-104							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM15P		6xZN2419 STZ2 3BT10161AAAA			85136-RG-141-9-S		
MARKING		LENGTH			MARKING		
ACU-EL POS		m			EL COD		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACU	EL POS	1		B		EL CODER
	ACU	EL POS	2		C		EL CODER
	ACU	EL POS	10		L		EL CODER
	ACU	EL POS	3		K		EL CODER
	ACU	EL POS	12		G		EL CODER
	ACU	EL POS	5		F		EL CODER
	ACU	EL POS	13		T		EL CODER
	ACU	EL POS	6		H		EL CODER
	ACU	EL POS	7		V		EL CODER
	ACU	EL POS	15		S		EL CODER

W430-210-210							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		4xRTF2.5+2xRTF1.5-STI 3BT10165ADAA					
MARKING		LENGTH			MARKING		
ACP-UV41/TBBRAKE		m			XEL MOT		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PH1	ACP	UV41	U		U		XEL MOTOR
PH2	ACP	UV41	V		V		XEL MOTOR
PH3	ACP	UV41	W		W		XEL MOTOR
GROUND	ACP	UV41	GND		GND		XEL MOTOR
BRAKE +	ACP	TBBRAKE	8		+		XEL MOTOR
BRAKE -	ACP	TBBRAKE	7		-		XEL MOTOR

W431-209-209							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM9P 1AB003110036		3ZN2419STZ2+2ZL0.5STI 3BT10163ABAS			PNA-12-DFRAN-16911-A		
MARKING		LENGTH			MARKING		
ACP-UV41-RESOLV.		m			XEL MOT		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
Ref	ACP-UV41	Resolver	1		5		XEL MOTOR
Ref	ACP-UV41	Resolver	2		9		XEL MOTOR
Sin	ACP-UV41	Resolver	3		4		XEL MOTOR
Sin	ACP-UV41	Resolver	4		8		XEL MOTOR
Cos	ACP-UV41	Resolver	5		7		XEL MOTOR
Cos	ACP-UV41	Resolver	6		3		XEL MOTOR
T5C	ACP-UV41	Resolver	11		2		XEL MOTOR
T5C	ACP-UV41	Resolver	12		1		XEL MOTOR

W432-103-103							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZN-2419-STZ-2 3BT10152AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-17/18		m			XEL L LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	17				XEL LEFT Limit Switch
	ACP	TBANT	18				XEL LEFT Limit Switch

W433-103-103							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZN-2419-STZ-2 3BT10152AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-15/16		m			XEL R LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACP	TBANT	15				XEL RIGHT Limit Switch
	ACP	TBANT	16				XEL RIGHT Limit Switch

W434-203-203							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
SUB D - DEM15P		6xZN2419 STZ2 3BT10161ABAA			85136-RG-141-9-S		
MARKING		LENGTH			MARKING		
ACU-XEL POS		m			XEL COD		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
	ACU	XEL POS	1		B		XEL CODER
	ACU	XEL POS	2		C		XEL CODER
	ACU	XEL POS	10		L		XEL CODER
	ACU	XEL POS	3		K		XEL CODER
	ACU	XEL POS	12		G		XEL CODER
	ACU	XEL POS	5		F		XEL CODER
	ACU	XEL POS	13		T		XEL CODER
	ACU	XEL POS	6		H		XEL CODER
	ACU	XEL POS	7		V		XEL CODER
	ACU	XEL POS	15		S		XEL CODER

W443-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL0.5STZ3 3BT11027AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-1'1/2'		m			PEDACCESS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PEDESTAL ACCESS	ACP-TBANT	TBANT	101				PEDESTAL ACCESS
PEDESTAL ACCESS	ACP-TBANT	TBANT	102				PEDESTAL ACCESS

W444-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZL0.5STZ3 3BT11027AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-1/2		m			PLATFORM ACCESS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
PLATFORM ACCESS	ACP-TBANT	TBANT	1				PLATFORM ACCESS
PLATFORM ACCESS	ACP-TBANT	TBANT	2				PLATFORM ACCESS

W445-000-000							
ORIGIN CONNECTOR		CABLE			END CONNECTOR		
EMBOUTS		ZN-2419-STZ2 3BT10167AAAA			EMBOUTS		
MARKING		LENGTH			MARKING		
ACP-TBANT-1'1/2"		m			AZ WRAP LS		
FUNCTION	ORIGIN EQUIPMENT	TB	Pin	Wire	Pin	TB	END EQUIPMENT
AZ WRAP SWITCH	ACP-TBANT	TBANT	201				AZ WRAP SWITCH
AZ WRAP SWITCH	ACP-TBANT	TBANT	202				AZ WRAP SWITCH