

## OS-2151-E0-XXX (preliminary)

## OS-1 Outdoor System

### ELECTRICAL SPECIFICATIONS

Air Interface	GSM,EDGE,CDMA,WCDMA
Frequency (MHz) Down Link	2110-2155 (AWS, -4XX series), 2110-2170 (UMTS, -1XX series)
Frequency (MHz) Up Link	1710-1755 (AWS, -4XX series), 1920-1980 (UMTS, -1XX series)
System Output Power - GSM/EDGE/WCDMA	100W**
System Output Power - CDMA/CDMA 2000	90W**
IMD Specification	Spurious Emissions - 3GPP TS25.141 Air interface compliant.
Instantaneous Bandwidth (MHz)	45 (AWS, -4XX series) 60 (UMTS,-1XX series)
Tx Gain Range (dB)	0 to +20 variable
Rx Path Insertion Loss	2 dB (-100,-400 models)
Supply Voltage	90-250 VAC, or +27 VDC
Noise Figure (dB)	2.5 dB max (-101,-401 models)
Rx Gain Range	0 to +14 dB adjustable (-101,-401 models)
Input Intercept Point IIP3 (dBm)	>0 dBm
Tx Rejection In Rx Band (dB)	100dB min.
VSWR Alarm Threshold (dB)	0-10 dB output RL (selectable)
Return Loss, All Ports (dB)	14 dB min.
Impedance All Ports (Ohms)	50
Misc.	Optional modem for remote monitoring, local configurability and alarm status through USB or Ethernet interface. Remote access through DHCP client via Rear Ethernet port.

### MECHANICAL SPECIFICATIONS

Dimension HxWxD mm(ft)	610 x 279 x 711 (24"x 11" x 28")
Weight(lbs)	110 (50 Kg)
RF Connectors	7/16 DIN Female X 4
Number of MCPAs per Sector	1
Number of Sectors	1

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-30 C to +50 C
Ingress Protection Class	IP54
Lightning Protection	40kA per line, 8/20 us WF

### ORDERING INFORMATION

Model Number	Description	Quantity
Enclosures (select one)		
OS-2151-E0-100	Non-LNA model - UMTS (Band Class 1)	1
OS-2151-E0-101	LNA model - UMTS (Band Class 1)	1
OS-2151-E0-400	Non-LNA model - AWS (Band Class 4)	1
OS-2151-E0-401	LNA model - AWS (Band Class 4)	1
MCPA Module:		
G3L-2129-140	140W MCPA module	1



\*\* Typical, with G3L-2129-140 MCPA Module Inserted

All specifications are subject to change without notice. Contact your Powerwave representative for complete performance data.