

Wireless Local Loop 3.4-3.6 GHz Amplifiers



Model WLL3.5 shown

- 20Watt Composite Output
- HotSwap
- SoftFail
- MicroprocessorInterface
- UnsurpassedAMLTechnical Support

WLL



General Specifications

Frequency
3.4 GHz to 3.6 GHz

Format
Wideband CDMA

Gain
43 dB minimum

Gain Flatness
+/-0.5 dB over any 15 MHz bandwidth
+/-1.0 overall

VSWR Input and Output
1.4:1 maximum

Stability
Infinite VSWR - All phase angles

VSWR Survivability
Isolator Protected

Impedance
50Ω

Ambient Operating Temperature
-10°C to +60°C

Output Intermodulation
ETSI TM4 Mask scaled to a 15MHz channel

Output Power
+43dBm average power 20 Watts
+52dBm P - 1dB

DC Power
-48VDC nominal/12A

Dimensions
17" w, 19"d, 12.2"h (Mounts in 19" rack)

Connectors
"N" type (f)

Weight
Approximately 90 pounds

Alarms
Module Fault
Gain Fault
VSWR Fault
Fan Fault
Temperature Fault
Overtemperature Fault

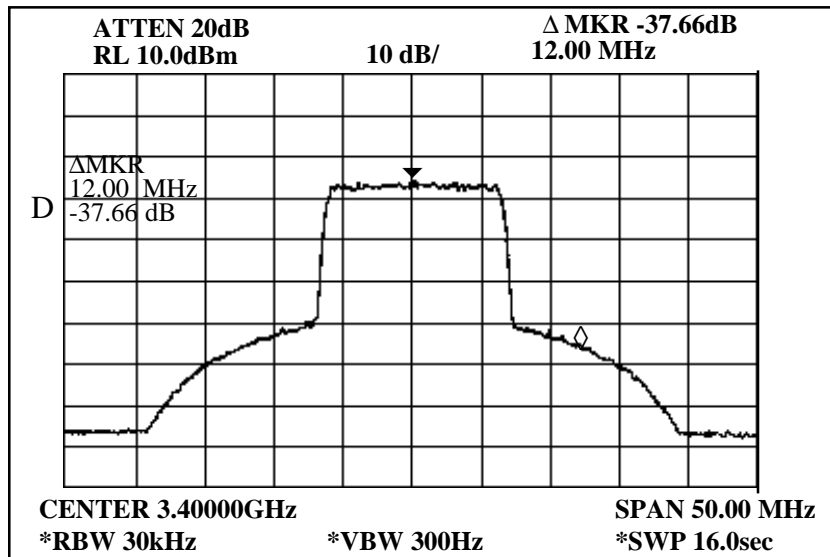
All of the above specifications are subject to change without notice.

Wireless Local Loop 3.4 - 3.6 GHz Amplifier

Functional Description

Designed for use at the world wide wireless local loop frequencies of 3.4-3.6 GHz, this high power amplifier assembly provides 20 Watts of composite power for wideband CDMA signal formats. Provided in a 19" EIA-310 rack compatible chassis, this product incorporates hot swappable modules, field replaceable fans and a soft-fail mode. A microprocessor controlled interface permits remote status interrogation and control.

Use of high linearity Gallium Arsenide (GaAs) FET implementation along with AML proprietary circuitry yields a high reliability, high efficiency amplifier with superior spectral regrowth characteristics.



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