

Indoor Forecaster™

INDOOR MAPPING COVERAGE SYSTEM

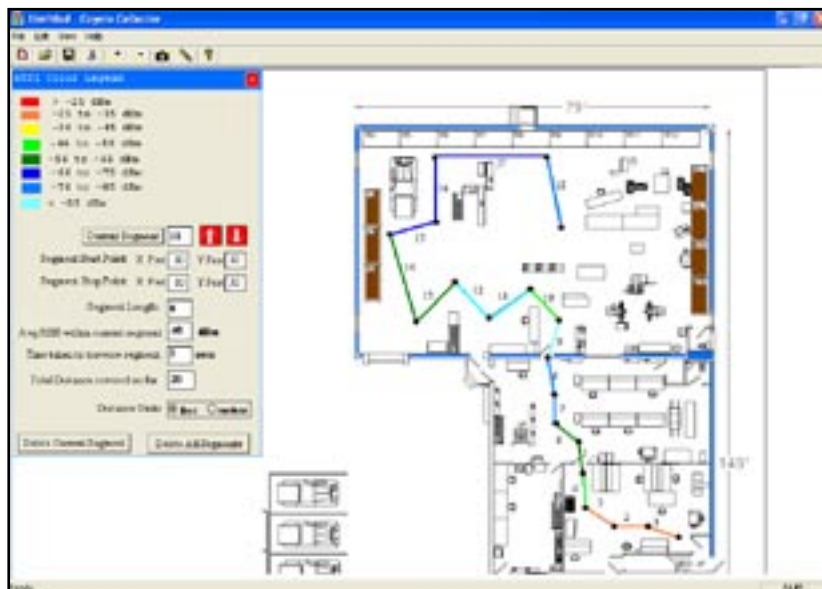
Indoor Forecaster™ is a high-speed, modular receiver system providing two unique and independent RSSI measurements used in realtime indoor mapping coverage of nearby microcell networks. Users can scan any two independent bands (including WiMAX, PCS, Cellular, ISM, Paging, MMDS and more) to generate RSSI data for mapping coverage overlays and indoor walk-about studies based. These values can be color-coded and further processed to locate and verify various network holes, overlap and interference. The **Indoor Forecaster™** interface consists of a keypad/LCD on the receiver side and a Windows® XP touch-screen UMPC tablet on the other side for realtime input and measurements in the field. **Indoor Forecaster™** is a wireless, self-contained, RSSI mapping system.

FREQUENCIES

Wi-MAX
MMDS
ISM
PCS
LMR
iDEN/SMR
Cellular
ETACS
Paging
WCS
GSM

PRELIMINARY

FEATURES



- All-in-one RSSI mapping coverage system for both indoor & outdoor use
- Supports Wi-MAX, Cellular, GSM, LMR, PCS, ISM, WCS, MMDS and more
- Dual modular receivers allow users to swap various bands while in the field
- Touch-screen tablet UMPC for realtime indoor walkabout coverage analysis
- High measurement rate, more than twice Dr. Lee's recommended 40 Lambda
- Removable GPS receiver for outdoor RSSI studies
- Removable rechargeable Li-Ion battery system found on standard PC laptops
- USB and serial connectivity for further post processing PC analysis
- Optional GPS-based mapping **Forecaster™** PC software support
- Weighs under 10 pounds fully loaded

Call us today for more information:
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DUAL MODULAR RECEIVER

BANDS SUPPORTED

Wi-MAX:	2.5 or 3.4 GHz
MMDS:	2.5-2.7 GHz
ISM:	2.400-2.485 GHz 900-930 MHz
WCS:	2.30-2.36 GHz
PCS:	Uplink (Blocks A through F) 1850-1910 MHz Downlink (Blocks A through F) 1930-1995 MHz
LMR:	805-825 MHz
iDEN/SMR:	850-870 MHz
Cellular:	824-848 MHz 868-896 MHz
ETACS:	872-905 MHz 915-950 MHz
Paging:	145-165 MHz 450-465 MHz 928-941 MHz

COYOTE OPTIONS AVAILABLE



Sieve™ for Coyote is data conversion software that generates 40 λ averaged data.

Order removable GPS and swappable modular receiver combos for a variety of RF studies while still in the field.



ORDER YOURS TODAY



Bring plenty of spare Li-ion batteries for RF studies lasting all day.

Berkeley's optional 2.5-2.7 GHz high performance omni-directional antenna includes a mag-mount with an SMA Male connector perfect for WiMAX drive-studies using the Coyote™ receiver.



Forecaster™ is GPS-based coverage validation mapping software that overlays geo-coded RF data onto real maps and generates KML reports for GoogleEarth.



SENSITIVITY

-118 to -30 dB \pm 1 dB (@ 10 kHz IF Bandwidth)

Adj. Chan. Rejection:

>45 dB @ 30 kHz

RECEIVER MODES

Single Channel
Multiple Channel (user selectable or sweep)

DATA AVERAGING

Temporal	Spatial
512 measurements/receiver/second	512 measurements/receiver/second
40 Lambda average (user selectable)	

GENERAL SPECIFICATIONS

Dual Conversion:	83 MHz 1st IF, 455 kHz 2nd IF
IF Bandwidth:	4 kHz, 10 kHz, 25 kHz, 30 kHz, 50 kHz, 200 kHz (@ 6dB)
Stability:	\pm 2.5 PPM Temp range 32° to 120 F°
Phase Noise:	> 80 DBC/Hz @ 10 kHz
Antenna:	SMA 50 ohm
Controls:	20 button keypad
Warm Up Time:	< 3 minutes
Power:	Internal 10.8 Volt Li-ion battery (3.6 mA) run time 8 hours 12V jack for external power
USB Port:	12Mbps/s (1.5 Mbyte / sec)
GPS:	12-channel receiver
Weight:	7 lbs.
Dimensions:	3.5" H x 6" W x 7.75" L (water resistant, high impact ABS plastic case)
Approvals:	UL, CSA