


Advanced VSWR & Interference Monitoring



Trusted by public safety and critical infrastructure providers worldwide, paging networks ensure reliable, always-on alerting and messaging for field operations, emergency response, and mission-critical coordination



The **RFPAGEWATCH**  provides PERMANENT, Real-Time VSWR and power value measurements for each of the configured channels and for the composite signal, **Spectrum Analysis** and **Interference Detection**



Channel	VSWR [-:1]	FWD Power [W]	REFL Power [W]
CH 11	1.18	4500	30
CH 18	1.18	4500	30
CH 25	1.19	2800	21
CH 27	1.20	3700	30
CH 40	1.25	1950	25

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<i>Category</i>	<i>Feature</i>	<i>Description & Benefits</i>
PageWatch Core-Lite	RFPageWatch Unit	Central unit with 4 RF inputs, True RMS measurement of Forward/Reflected Power and Return Loss/VSWR in real time.
	Composite Power Measurement	Measures total multi-carrier power; Over-Power and Under-Power alarms prevent transmitter or antenna damage.
	Channelized Power Measurement	Per-channel power analysis; high/low power alarms identify anomalies on individual RF carriers.
PageWatch Spectrum	Spectrum Plot Viewer	Real-time spectrum display with Peak, AVG, Marker, and Trace modes; SDR + FFT with 100 MHz – 2 GHz coverage.
	Spectrum Up/Down Links	Simultaneous monitoring of uplink and downlink to quickly identify propagation issues or channel anomalies.
	Alert Interference	Detects interference, harmonics, and unauthorized signals; alarms via SNMP traps, email, and local interface.
PageWatch Interference+	Noise Floor Monitoring	Measures site background noise floor, crucial for detecting weak or intermittent uplink interference.
	Noise Floor Trending	Provides historical noise floor analysis to identify recurring environmental issues or infrastructure degradation.
	Noise Floor Thresholds & Alarms	Automatic alarms when noise floor exceeds thresholds, ensuring channel quality and early interference detection.
Network & Remote Management	SNMP Agent v2/v3	Seamless integration with NOC/OSS systems for centralized supervision and alarm automation.
	Remote Configuration	Full remote configuration via Web GUI (HTTP/HTTPS); manage alarm thresholds, channel assignments, and RF bands over LAN/WAN/VPN.

RF PAGEWATCH

