

GENESIS APM ENHANCEMENT

REMOTE MONITORING, ARCHIVING & REPORTING ON THE RFI ADVANCED POWER MONITOR

GenWatch3[®] by Genesis is modular and has the ability to provide a comprehensive view of much more than just the APM. On P25 (including ASTRO[®] 25), SMARTNET, Dimetra, and MOTOTRBO[™] systems, GenWatch3 can correlate call activity, busies, system health and a vast amount of additional data, along with RF power information from the APM. This means system owners have an unparalleled view of the user's call experience from multiple angles.



SOLUTION BENEFITS

- ▶ Current power levels are monitored with multiple data streams including ATIA, APM and others.
- ▶ Power levels on a per-call basis can be viewed.
- ▶ While information is gathered, it is recorded and stored in SQL databases for long-term archiving.
- ▶ Live activity may be paused and resumed in real time.
- ▶ Archived data may be analyzed for trending reports over time.
- ▶ Triggers may be established with variable thresholds. Triggered events, such as high/low VSWR levels or power spikes, can send an alert, sound an alarm, close a relay, or perform other user-defined functions.
- ▶ Notifications are pushed to key personnel via email, SMS or SMTP.
- ▶ ROI: As a centralized solution offering remote analysis, on-site visits are mitigated, saving valuable company resources.
- ▶ GenWatch3 is sold and supported by Motorola.

The top screenshot displays the 'Genesis APM Display' window with a table of tower data. The table has columns: Ch, Tx Frequency, Rx Frequency, Comb. Output, Pwr, Rf Pwr, Comb. Ins. Loss, VSWR, and Antenna Isolation. It lists data for 'Downtown' and 'North Tower'.

The bottom screenshot shows a detailed log window titled 'APM Channel Levels over Time'. It includes a table with columns: Date, Site, ID, Channel, Frequency, Power, and various VSWR and Loss metrics. The log also includes a list of events such as 'APM Upg Traffic Tx Alarm', 'Channel Assignment', and 'End Of Call'.

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