

I/Q Demodulation and Carrier Under Carrier Interference Detection in a Satellite Monitoring System

VECTORSAT is a carrier under carrier interference detection and spectrum monitoring system powered by the CONTROLSAT technology for Satellite Carrier Monitoring Systems.

Based on COTS Digital Signal Processing Instruments, VECTORSAT supports automated spectrum monitoring for interference detection, intruding carrier notification alarms and spectrum activity recording.

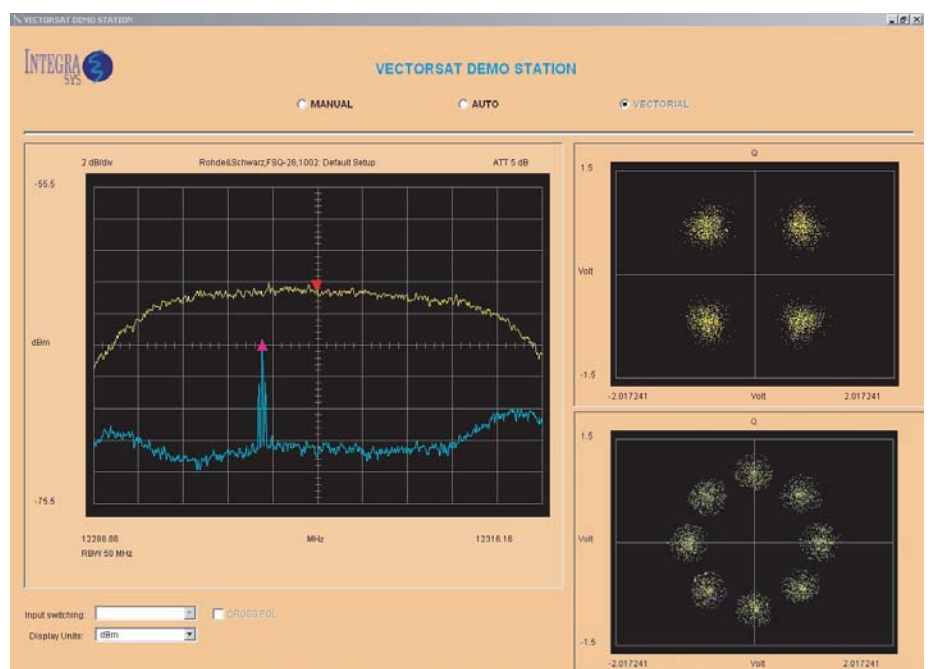
*F*eatures

- Spectrum and vector analyzer modes.
- EVM and Constellation displays.
- Digital I/Q demodulation distortion measurements.
- Carrier measurements: Digital Power, Level, Center Frequency, Bandwidth, C/N and Cross-pol Isolation.
- Interference detection recording and re-playing.

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*B*enefits

- Fast and reliable assessment of satellite link degradation.
- Carrier under carrier interference detection, recording and re-playing.
- 24x7 operation without satellite service interruption.
- EIRP calibrated measurements.
- Remote operation.



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