

Micro 23

23 GHz Stability Rebuild

Providing Microwave Technology Solutions

Microwave Advances has developed phase-lock loop designs that will allow new and existing 23 GHz microwave transmitters to meet recent changes to the FCC stability standards. Existing licensees and new applications in the TV broadcast, cable, common carrier, public safety, and other qualified fields operating in the 21 to 23 frequency band will be exposed to tighter FCC frequency tolerances. The new Micro 23 will meet or exceed video, data, or digital traffic performance of the original unit.

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23 GHz Stability Rebuild

A phase-lock loop designed to meet 23 GHz FCC stability standards

Features:

- Rock solid frequency stability to 0.001% from previous 0.03%
- Cost includes incidental and minor repairs necessary when troubleshooting and repairing the unit including the option of purchasing more significant repairs while the unit is being rebuilt

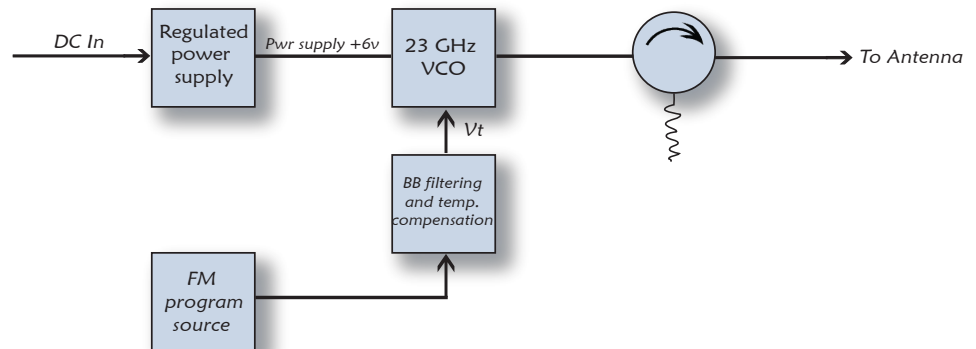
Benefits:

- System-wide compliance at a much lower cost
- Eliminates need to purchase entire new microwave systems
- Eliminates drift and meets new channel requirements
- Differential phase and gain/color brilliance improvement due to phase-lock

Applications:

- Existing licensees and pending applicants authorized prior to April 1, 2005 who meet the 0.03% specification but who cause harmful interference to other licensees
- Analog systems whose channel bandwidth is greater than 30 Mhz up to 50 Mhz who are not at the 0.03% frequency tolerance standard
- Analog systems whose channel bandwidth is 30 Mhz or less and are not at the 0.003% frequency tolerance standard
- Optionally, companion receivers can benefit from a similar phase lock stability and may be upgraded for improved video S/N, C/N, or fade margin
- Rechanneling a radio to a new frequency within a limited frequency range may be possible while rebuilding the radio. Please call for additional information
- Existing licensees and pending applicants should consider an upgrade to 0.001% stability to protect their existing channel (analog) or if changing to digital modulation. Channel frequency change may apply

Existing LO Configuration - TX



New Configuration - TX

