



# Wireless Bypass

*wireless solutions for CMTS and CATV distribution*

06/20/2001

## Transmitter Mute Switch & Transmitter Frequency Stability

To Whom It May Concern:

Wireless Bypass has built a transmitter mute function into the U-NII models PPS-DL5800H24 & PPS-DL5800C24. These mute functions can be traced using the supplied documentation. Specifically, the transmitter mute will take effect from 90% to 10% in less than 1 millisecond in the event of a PLL out of lock, and less than 1 microsecond in the absence of data.

Frequency stability of the PPS-DL5800C24 is controlled by one upconversion at 5.700 GHz. Overall stability over temperature is +/- 1.0 PPM & over time +/- 1.0 PPM yielding a total of +/- 11,400 hz over time and temp.

Frequency stability of the PPS-DL5800H24 is controlled by two upconversions. One conversion is at 625 MHz, and the other is at 5.700 GHz. Overall stability over temperature is +/- 1.0 PPM & over time +/- 1.0 PPM yielding a total of +/- 12,650 hz over time and temp.

The attached crystal specification is applicable to all cases.

Thank you for your help in this matter.

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