



## Pacific Crest Corporation Marketing Bulletin

Some customers have reported degraded performance when operating on certain frequencies. These frequencies can be a harmonic (a multiple) of a reference signal, which produces energy that can cause interference. Pacific Crest Corporation PDL and RFM products use an 18 MHz digitally compensated crystal reference oscillator.

PDL and RFM products are designed to emit a minimum of energy at harmonic frequencies, hence minimizing the effect of harmonic interference to other radio users. However, harmonics of the unit's reference crystal at 18 MHz can internally interfere with received signals at frequencies that are an exact multiple of 18 MHz, such as 432 MHz, 450 MHz, and 468 MHz. To minimize the potential of harmonic interference, avoid using frequencies that are multiples of 18 MHz.

For additional information concerning harmonic interference in PDL and RFM products, please contact Pacific Crest Corporation at 1-800-795-1001 (US and Canada), 1-408-653-2070 (International), 1-408-748-9984 (Fax), [support@pacificcrest.com](mailto:support@pacificcrest.com), or visit our web site at [www.pacificcrest.com](http://www.pacificcrest.com).