

It's Not About the Biggest Wave. **It's About the Perfect Wave.**

High on the list of frequently asked questions we get are: Why does Primex use 72 MHz? Isn't that a frequency for toys? The answer is: Yes, at very low power levels, it's a frequency that hobbyists use. But at the power levels that our equipment transmits – one watt, five watts, and 30 watts – 72 MHz is the optimal frequency for a GPS and NTP wireless synchronized clock system for many important reasons:

- **Lower Frequency Maximizes Penetration and Portability**

The wavelengths of the 72 MHz frequency are known for their ability to effectively penetrate common commercial building materials that other frequencies cannot, which translates into greater flexibility for our customers. After all, what good is a wireless synchronized clock system if it can't go where you need it to go?

- **Less Traffic and Less Noise**

Unlike higher, more congested frequencies, the 72 MHz frequency has a limited number of users, so there's a lot less signal interference to deal with. Noise and interference with medical equipment have become such a problem on the 460 MHz frequency that the FDA has previously required medical equipment manufacturers to use less congested frequencies for the sake of patient health and safety.

- **Cost- and Eco-Conscious**

Primex 72 MHz products transmit using less power than other competing systems while simultaneously ensuring signal coverage in nearly any environment and through various building materials. Our single-watt output brings greater efficiency than our competitors' systems, many of which require a significant number of transmitters to cover just one floor or building. Our five- and 30-watt options can cover multiple buildings and even an entire campus-sized area, still with a single transmitter. Thus, when you install a Primex wireless synchronized clock system, you're doing your part for the environment – not to mention easing the burden of skyrocketing energy costs.

- **FCC Authorized and Protected**

Before every Primex transmitter installation, our FCC coordinator conducts a review of all licenses in the 72 MHz frequency to determine available channels for each location prior to FCC filing. Additionally, the FCC (the ISED for Canadian installations) authorizes each and every site where a Primex wireless synchronized clock system is installed and classifies that site as a primary carrier. So, in the unlikely event that interference should occur, you will take priority over all secondary or unlicensed users.

A History in Time

For over 40 years, Primex has set the standard for technological innovation. We've invested a great deal of time researching the properties of the 72 MHz frequency to ensure we're providing powerful, functional, and effective technology to our customers. That's why we believe 72 MHz is truly the optimal frequency for a GPS and NTP wireless clock system, and also why we can promise you that our wireless synchronized clock system is the most accurate and reliable option you can find. After all, it's not about the biggest wave – it's about the perfect one.

Get a Free, No-Obligation Site Evaluation

Let us help you determine the best wireless time synchronization system for your needs. The Primex OneVue® time synchronization solution uses a proprietary 72 MHz frequency for accuracy, reliability, and installation versatility. With a full array of analog and digital clocks and accessories, Primex will keep your facility running on time, day in and day out.

Call 855-557-0337 to contact your Primex representative and learn how you can receive a complimentary facility analysis.

