We purchased the BEXT XL6000 in 2016 to use in one of the smallest towns in Texas. In this case, keeping costs down and efficiency were very important to us. But most important was reliability since our engineers are about an hour away if anything were to go wrong.

We are running the transmitter at its maximum rated power and have been since day 1 with no problem. We've been very pleased that it has performed exactly as we had hoped. Especially since it's the smallest 6 kw transmitter I've ever seen.

One surprise during installation was when our Chief Engineer turned it on for the initial setup. The transmitter runs so cool that the fans don't run at full speed. Our engineer was certain, after initial run-up that the transmitter had failed when the fans ramped down. But that's the magic trick Bext has used to make this transmitter reliable. It runs cool at full power. In our transmitter building, the transmitter case at 6000 watts is about 12° above ambient room temperature.

We saw it with the cover off at NAB in 2016 and it's solidly constructed. Of course, I couldn't judge the operating temp on the show floor, but since installing it we've had no problem. Not even a hiccup as long as the power company keeps the lights on.

I bought a Bext prototype 500 watt unit a couple of years back and have the same experience with reliability. The TPO for that location should be 405 watts and it hasn't varied more than two watts at any point in two years now.

I'd be happy to answer any questions about our experience with this surprisingly compact transmitter.

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