

*“Following benchmarking against approximately 15 different antennas the Taoglas FW.86 antenna was shown to be as reliable and technically efficient as expected”*

**Jérôme Alphonse**  
Director of Connected Beekeeping

## Taoglas connects bees and data to ensure optimum apiary health

Meteor FW.86

### About Connected Beekeeping

When Jérôme Alphonse became a professional beekeeper in 2005 he quickly began seeking a solution to minimize travel for his control visits to his beehives. With this goal in mind, Jérôme became interested in Beehive scales and after years of development Connected Beekeeping now offers Beehive scales for a variety of needs with the first-ever scale equipt to weigh 4 hives at once.

### The Challenge

The challenge with creating IoT products for agriculture, and specifically apiculture, is the IoT products must be compatible with nature. A perfect antenna solution is needed to be able to withstand natural elements and exist out in nature with the bees. With this in mind, Jérôme was searching for a “robust, reliable, and financially accessible” solution. This led him in the direction of an external flexible whip antenna which would be suitable for the data transmitter box on his Beehive scales.

### The Solution

Jérôme conducted a benchmark on approximately 15 different antennas that had the possibility of fitting his needs for the beehive scales. After testing and searching for the perfect antenna Jérôme chose the FW.86.B.SMA.M model antenna from Taoglas. After working with the antenna and 10 months of marketing the Multiscale4 product “the FW.86.B.SMA.M model antenna has shown to be reliable and technically efficient as expected.” As Jérôme was happy with the antenna and its capabilities he has moved forward with using this antenna in all of his new Multiscale4 beehive scales. Commenting that “the Taoglas antenna has been the right choice for him and his Beehive scales fulfilling all the capabilities he needed from an antenna.”



### The Outcome:

Connected Beekeeping launched their new range of beehive scales named “Multiscale4” in late 2020. The differentiating factor with the Multiscale4 is that it’s the only scale in the market that has the capability to weigh 4 beehives at the same time. This is a huge advantage to beekeepers, as being able to weigh more hives at once means more data collected and more data means better insights into the wellbeing of the entire apiary, by examining the average weight. Additionally, being able to weigh four hives at once has helped minimize the time Jérôme has to travel for his control visits, saving him time and money. “The FW.86.B.SMA.M model antenna from Taoglas was able to fulfil the needs of Connected Beekeeping and has helped us reach our goal of less travel time to check on our hives.”

