Dual-band, Flexible Polymer 3dBi Antenna for M2M Applications

Taoglas, Limited recently launched the FXP.830 a powerful, flexible antenna with 80% efficiency for the M2M wireless device and module market. This Taoglas patented antenna is unique in the market because it is made from Taoglas' flexible polymer material, has a tiny form factor (42*7*.01 mm), an efficiency of 80% and a 3dBi peak gain. It maintains excellent performance even in tight and awkward spaces.

The FXP830 is a small, dual-band, dipole antenna for 2.4 to 5.8 GHz band including WiFi, Zigbee and WLAN. Its efficiency of 80% compares to 10 to 15% efficiency of competing chip antennas and 20 to 30% efficiency of pifa and loop antennas. It has a tiny form factor and has double-sided 3M tape on one side for easy "peel and stick" mounting. This makes the FXP830 ideal for fast and easy implementation particularly in devices where space is at a premium, e.g. sensors, nodes, cameras etc.

Suggested applications include:

* Telemedical and telehealth – including body worn devices

* Mesh networking and remote monitoring

* M2M (Bluetooth, Zigbee, WiFi) module providers for high reference performance

* Security

* Smart Metering.

In the FXP800 series, Taoglas is also launching the FXP810, which has different mounting options. Antennas are available now from Taoglas by contacting sales@taoglas.com [1] or through distributors.

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Links:
[1] mailto:sales@taoglas.com