



## **Taoglas Releases the First Miniature Hexa-Band Surface Mount Antenna with Efficiencies of over 50% on all Bands**

*Automotive, Telemedical and Tracking Applications Now Benefit from an Antenna with Higher Efficiency allowing for Lower Power Consumption, Enhanced Reception and Transmission.*

**Escondido, CA – May 19, 2009** – [Taoglas, the leading M2M antenna provider](#), today officially announced its new [PA-25 “Anam”](#) antenna. The PA-25 is the first six-band surface mount antenna (SMT) that delivers efficiency of over 50% on all bands in a design that is significantly smaller than current market designs. This multi-band cellular antenna covers all worldwide cellular bands including 850 / 900 / 1700 / 1800 / 1900 and 2100Mhz for GSM, CDMA, DCS, PCS, WCDMA, UMTS, HSDPA, GPRS and EDGE. The PA-25 is unique in the market for the combination of over 50% efficiency on all bands, coupled with a more reliable connection allowing for better reception, transmission, sensitivity and power consumption.

The PA-25, has many advantages over existing technologies in the market. The antenna is delivered on tape and reel and can be surface mounted saving on assembly costs and delivering greater performance consistency. At a size of 36x6x5 mm, it has one of the highest efficiencies of a small-scale multiband antenna enabling customers to achieve greater device performance and sensitivity in areas of low signal, and a consistent reliable connection to all cellular networks. Added to this, the PA-25 is made of high-grade ceramic and is extremely robust and durable for use in extreme environments such as the automotive industry. It can be integrated off the shelf without the need for customisation.

“The PA-25 is the result of years of intensive research and development into high grade ceramic formulas and getting lower cellular bands designed into small form factors,” said

Dermot O'Shea, Director, Taoglas. "This antenna is unique in the market - no other SMT antenna can match the PA-25 for the combination of size, durability, frequency range and efficiencies of over 50% on all bands. Companies with LBS, telematics, tracking, telemedicine and automotive applications can now benefit from an antenna that can be used for reliable tracking, fleet management, vehicle diagnostics, remote monitoring and also in the emerging telemedical diagnostic market."

The PA-25 builds on the success of Taoglas' previous antenna version the first [SMD PA-22 tri-band antenna](#). It is a PIFA antenna and is particularly suited for mounting on the edge of a device's main-board/PCB. The PA-25 is resistant to detuning compared to metal, FR4 or FPC and with a rectangular shape, this antenna is easy to integrate into existing designs.

The PA-25 is available immediately. For more information about Taoglas' PA-25 visit: [www.taoglas.com/news/](http://www.taoglas.com/news/)

### **About Taoglas**

Taoglas, the leading M2M antenna provider, delivers an extensive range of automotive, tracking and remote antenna solutions. Taoglas also provides full wireless devices services including; antenna and device RF consultancy, custom antenna design, device noise debugging and testing services, and device certification and approval. Founded in 2004, Taoglas has offices in Ireland, Taiwan, Singapore, South Africa and USA. Taoglas' antenna design and development is carried out by Taoglas in Ireland, USA and Taiwan with production managed through Taoglas Taiwan. Taoglas customers include top tier automotive, tracking, metering and medical companies worldwide. For more information visit: [www.taoglas.com](http://www.taoglas.com).

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