Antennas cover the GLONASS operating frequencies up to 1610 MHz

Taoglas [1] USA (www.taoglas.com [2]) announced that it is leading the market with a full range of GPS and GLONASS-enabled antennas for M2M devices. Taoglas is launching the AA.16X Dominator series [3] of antennas, which have a wider bandwidth to cover the GLONASS operating frequencies up to 1610 MHz, a good axial ratio and a double resonance design for optimum reception at the centre frequencies. Taoglas will showcase these antennas at CTIA Hall D, booth # 3653 from May 8th -10th 2012.

The AA.161 Dominator [4] is a magnetic mount GPS-GLONASS IP67, external antenna incorporating a 35mm ceramic patch. It is a wide-band active patch antenna product with a large integral ground that delivers a gain up to 35dB. With the Dominator antenna series, Taoglas is the first company to have a comprehensive range of GPS-GLONASS active embedded antennas (AGGP series) and passive embedded (CGGP) antennas. They are the choice for automotive first tier TS16949 and after-market applications.

“In the coming months, for the first time the true availability of GPS and GLONASS satellites along with the latest generation of GNSS receivers are going to dramatically change the performance of M2M location devices. With close to double the amount of satellites to draw from compared to a stand-alone GPS constellation, we are now going to see quicker time to first fixes with accuracy improving from meters to sub one meter,” said Ronan Quinlan, Director Taoglas. “The ability to view and lock on four or more satellites in traditionally difficult reception areas such as urban canyons, city centers or locations with restricted views of the horizon, will give M2M manufacturers the ability to triangulate and pinpoint locations with greater accuracy and with quicker time to first fix.”

“Taoglas’ new Dominator antennas have been rigorously tested and pre-approved by the leading GNNS receiver companies worldwide and have been shown to display higher and more consistent gain in comparison to competing antennas. Two key components have been engineered from scratch for the Dominator series, a unique wide-band front end SAW filter (critical to prevent out of band noise entering on both GPS and GLONASS degrading the signal) and a high gain 35mm patch.”

Taoglas’ GPS antennas are currently being used in the field by many different M2M solution providers including tracking, telematics and GPS manufacturers. All three Dominator antenna series are available for purchase online at Digikey and Mouser or directly from Taoglas by contacting sales@taoglas.com [5]

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http://www.ecnmag.com/product-releases/2012/04/antennas-cover-glonass-operating-frequencies-1610-mhz

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