

Product News

Survey / GIS

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Z-Max.Net

Antenna height in GNSS Solutions

Product concerned

Product Names:

Z-Max.Net, GNSS Solutions

Product Family:

Land Survey

1. PURPOSE

GNSS Solutions V2.50 includes the latest antenna calibration values for the Z-Max antenna from the US National Geodetic Survey (NGS).

Using the proper antenna parameters is of the utmost importance for accurate surveying in either post-processed or RTK mode. This is especially true when using Z-Max.Net in conjunction with other surveying equipment. Magellan strongly advises that special care be taken when mixing receivers / software to introduce the correct parameter values. It is vital to use the same type of phase center at both base and rover.

2. PRODUCT INFORMATION

The NGS calibration corresponds to the following configurations

- **THA800961+REC:** the antenna fits on top of the Z-Max.Net GNSS receiver. This is the typical configuration on a tripod



- **THA800961+RTK:** the antenna is set on top of the Range Pole RF adaptor (800979). This is the typical configuration with the GNSS receiver remote from the antenna



- **THA800961RECUHF:** the antenna is set on top of the vortex (UHF) antenna. This is the typical configuration for RTK rover all-on-the-pole



- **THA800961RTKUHF:** the antenna is set on top of the vortex (UHF) antenna and the Range Pole RF adaptor. This is the typical configuration for RTK rover “backpack” configuration



3. CUSTOMER NOTIFICATION

All RSMs will receive this Product Marketing Update for information on their channels / customers.

This Product News will be posted on the Dealer Website.