

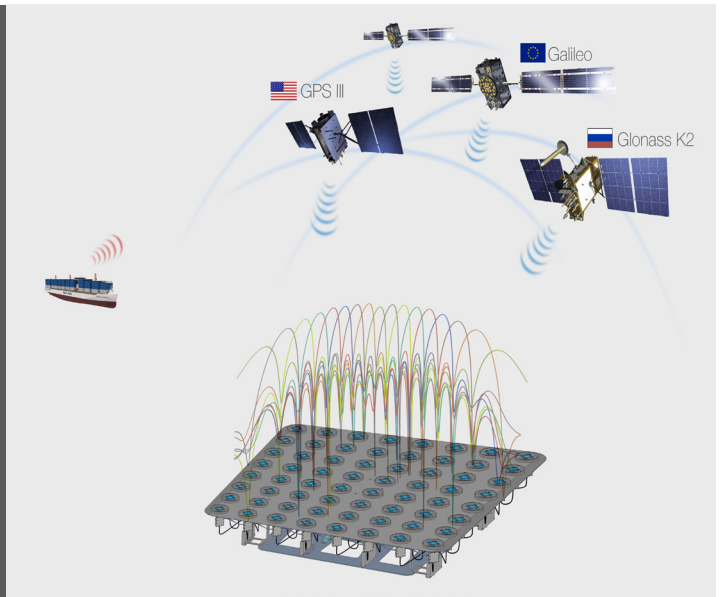
MEGA Overview

New version of TTI MEOLUT antenna for multi-beam electronic tracking of Galileo satellites for SAR service

New version of TTI MEOLUT

MEGA Advantages for MEOLUT

- > 4 MEOLUT dishes replacement
- > Planar antenna, zero moving no pointing needed
- > Full compatible with SAR systems from GNSS of Galileo, Glonass & GPS
- > Reception and processing up to 6 signals simultaneously
- > Improve throughput and localisation accuracy
- > Redundance and disponibility
- > Reliable, easy maintenance, no re-calibration

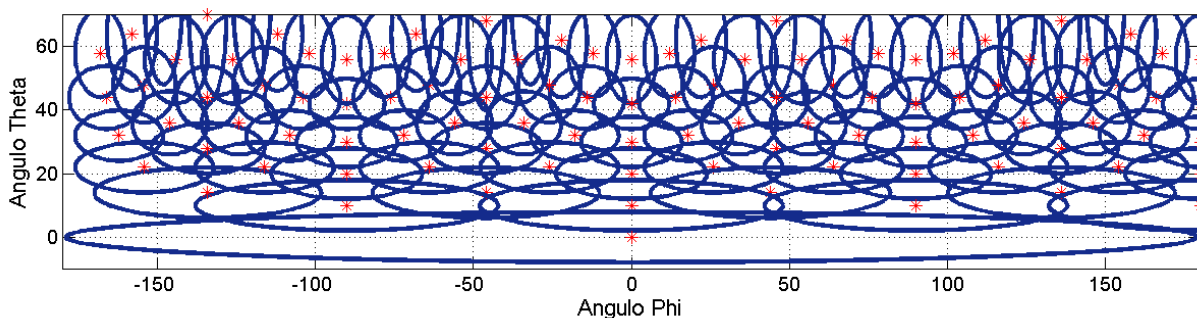


Coverage analysis software developed by TTI

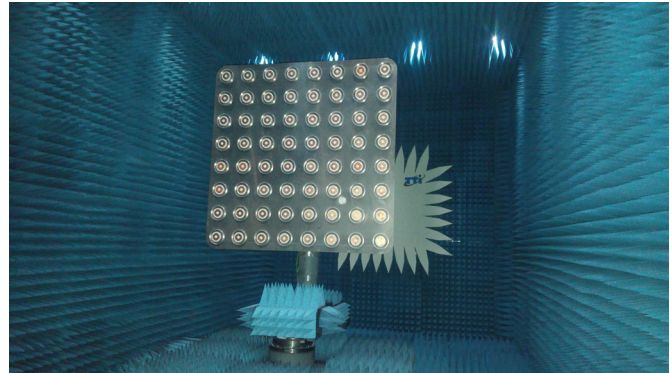
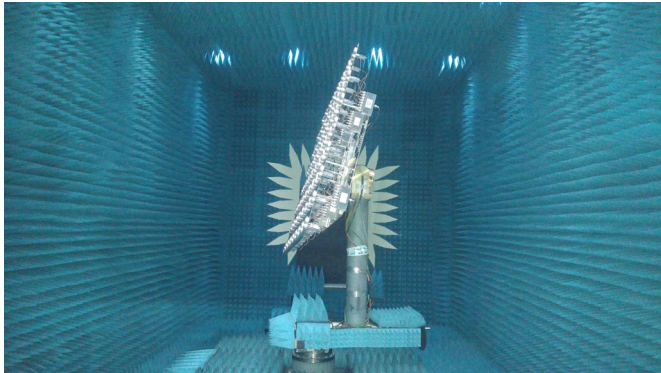
TTI can predict presence and pointing directions of beams given the array and feeding complex vector.

Radiating space fully covered from 0° (broadside) to 70° by means of 225 beams obtained simultaneously by processing (Gain>13dBi):

- > 64 main beams (corresponding to 64 feeding vectors)
- > 161 secondary beams associated to main ones

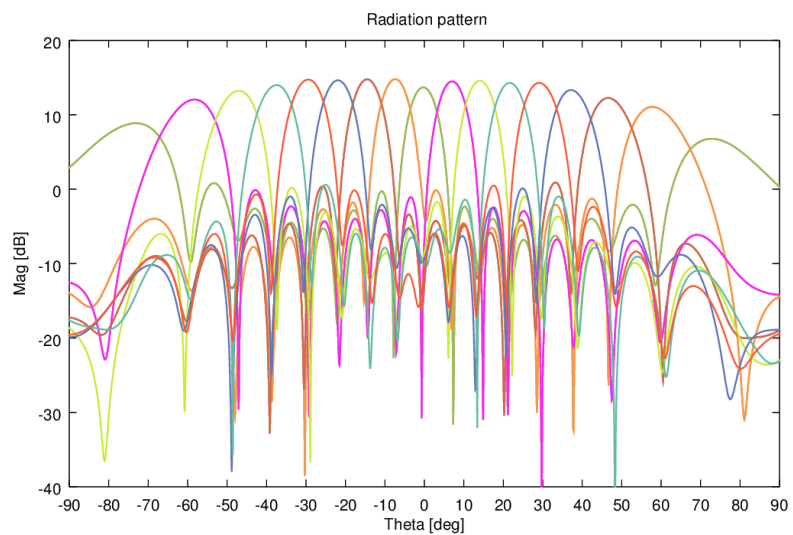


Mapping of the coverage - Software



Pointing capabilities of MEGA

Measurements in TTI anechoic chamber of eight different radiation patterns along a given plane



Product feature	Technical details
Size	1.6 x 1.6 m
Mass	<100 Kg
Antenna elements	8 x 8
Support compatibility	SAR/Galileo + DASS + SAR/GLONASS
Number of satellites simultaneously trackable	6+
Mechanical dynamics	Zero moving parts for ultimate system stability and resilience
Gain	>13dBi (min Full coverage) 24dBi
Coverage	Continuous between 20° to 90°

Please contact us to discuss your requirements



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