



MEASUREMENT OF ANTENNA RESPONSE TIME

Stand-alone system for antenna group propagation delay measurement

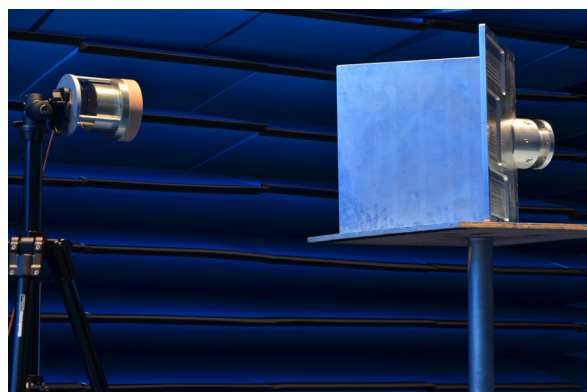
Technological advantages

Stand-alone device

Freedom from the use of standard antennae
Direct and accurate GPT measurement

Universal measurement system

Measurements can be taken on linear or circular polarisation antennae
Suitable for transmitter and receiver antennae
Can be configured to any frequency



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Stand-alone device for GPT measurement of an antenna with a polarisation retaining reflector system

Summary of the invention

Accurate measurement system for the transfer time of the electrical signal flowing through a transmission or receiver antenna, i.e. group propagation time (GPT)
The measurement is taken by means of an innovative reflector system capable of reflecting a wave with the same polarisation as the incident wave. The system can measure GPT without the use of a standard antenna.

Commercial benefits

Accurate measurement of antenna GPT

Better understanding of measured antennae
Possibility of inspecting production lines by means of sampling
Reduction in the inaccuracy of measurements taken via standard antennae

Potential applications

Production inspection of antennae

Positioning and navigation

Aeronautics and space industries

TRL: 8

Patented invention, available under licence