

Update on Distorted Measured Antenna Patterns

Author(s) - Institution(s):

Gregor Lasser, VUT

David Löschenbrand, VUT

Christoph F. Mecklenbräuer, VUT

Corresponding author email: gregor.lasser@tuwien.ac.at

Corresponding WG group: SWG 1.1

Abstract:

In this paper we present an update on the distorted measured antenna patterns reported in our last TD. According to the recommendations we received during the last discussions in Ferrara we re-measured the antenna without any cables using a battery driven oscillator. Additionally, we build some dielectric support structures made of Rohacell IG31-F and did some comparison measurements. The effect of measurement sphere truncation is discussed in more detail and simulation results are presented. We present comparison measurements of the same antenna using different orientations in the chamber and describe a comparison method.