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Measurement systems and software
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All antennas will eventually need to go through a validation test phase. The test range providing the highest accuracy is the spherical near-field type, with a subsequent transformation of the data to the far field. SNIFT's claim to fame is the field transformation including probe correction, which accounts for the probe pattern and cross-polarisation characteristics, and has been the tool of choice for more than four decades.
If the measured data deviate from the predictions, it is often easier to identify the cause of the discrepancy by inspecting the extreme near-field of the antenna. To this end, we developed DIATOOL, which accurately reconstructs this field from the measurements.