To: EDGES Group  
From: Alan E.E. Rogers  
Subject: Automated S11 measurement system calibration  
Several algorithms are possible. Here is one used for comparison:

In the lab:
1] Put calibration SOL at reference plane  
2] Solve for S-params using SOL models based on datasheet  
3] Get data for internal SOL  

In the field with antenna at reference plane and internal SOL available via switch:  
5] Get internal SOL data  
7] Get antenna data  