

## **TRANSMISSION MODE Q-FACTOR SOFTWARE**

J. Mazierska, K.Leong, M. Jacob, D. Ledenyov  
James Cook University

Accurate measurements of  $Q_o$ -factor are necessary for characterization of materials for wireless applications. A TMQF technique, developed at James Cook University, removes effects of noise, non-calibrated cables, connectors, coupling structures, crosstalk and impedance mismatch from measurement data giving accuracy better than 1% for  $Q$  from  $10^3$  to  $10^6$ .