

# Multi-band Channel Measurement Campaign

**Author(s) - Institution(s):**

Gerhard Steinboeck, AAL  
Robert Mueller, TUI  
Stephan Haefner, TUI  
Reiner Thomae, TUI  
Jian Luo, Huawei  
Egon Schulz, Huawei

**Corresponding author email:** [gs@es.aau.dk](mailto:gs@es.aau.dk)

**Corresponding WG group:** TWGI, WG1

**Abstract:**

A recent multi-band channel measurement campaign for 5G systems is introduced. The measurements are conducted in the frequency range from 3.4 GHz to 10.1 GHz and in the mm-wave band from 30.4 GHz to 37.1 GHz. The purpose of the multi-band measurements is three fold, i) investigation of the similarity of multi-band channel characteristics, ii) investigation of the reverberation effect, and iii) calibration of stochastic channel models. Details on the three purposes are presented along with the corresponding measurement setup. Finally some preliminary results from the measurements are shown for both bands.