

# Abstracts

## CARABAS - An UWB Low Frequency SAR

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*H. Hellsten. "CARABAS - An UWB Low Frequency SAR." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1495-1498.*

The significance of low frequency ultra wide band radar imagery has been investigated at FOA for several years. In order to verify the theoretical predictions, an airborne SAR radar system, operating over the frequency band 20 - 90 MHz has been developed. A first data collection campaign took place in January 1992. Initial data are still in the phase of evaluation. In the wavelength interval adopted, vegetation is transparent and radiation penetrates the ground to a significant degree. The system is considered capable of mapping structures and objects obscured by vegetation or buried into the ground.

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