

# Abstracts

## RF Electronics Digital Chirp for the Spaceborne Imaging Radar-C Instrument

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*B.L. Huneycutt. "RF Electronics Digital Chirp for the Spaceborne Imaging Radar-C Instrument." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1151-1152.*

The SIR-C RF electronics subsystem generates the multifrequency RF signals to drive the antenna distributed array high power amplifiers. The digital frequency step chirp signals are designed to allow flexibility in the selection of radar parameters such as range bandwidth to improve resolution, and pulsewidth to reduce dc power usage.

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