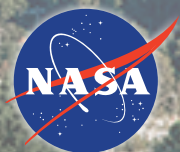


Demonstration of a 180 GHz Full CMOS Spectrally Dispersed Heterodyne Radiometer with InP LNA for Remote Sensing

*Deacon J Nemchick¹, Brian Drouin¹, Adrian Tang¹,
Yanghyo Kim¹, Theodore J Reck¹, Maria Alonso¹,
Goutam Chattopadhyay¹, Yan Zhang², M.-C. Frank Chang²*

¹Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, USA

²Electrical Engineering, University of California - Los Angeles, Los Angeles, CA, USA.



Jet Propulsion Laboratory
California Institute of Technology

Y. Kim, Z. Yan, T. Reck, D. J. Nemchick, G. Chattopadhyay, B. Drouin, M.-C. F. Chang, A. Tang, A 183 GHz InP/CMOS-Hybrid Heterodyne-Spectrometer for Spaceborne Atmospheric Remote Sensing, *IEEE Trans. THz Sci. Technol.*, 9, 313-334 (2019).