

Development of a transportable L-band lower troposphere radar

Hiroyuki Hashiguchi [1], Yuki Moritani [1], Shoichiro Fukao [1], Shinichiro Watanabe [2], Kiyoyuki Hata [2]

[1] RASC, Kyoto Univ., [2] Mitsubishi Electric Corp.

<http://www.kurasc.kyoto-u.ac.jp/~hasiguti/>

We have developed a transportable L-band Lower Troposphere Radar(LTR) to observe height profiles of three-components of the windvelocity vector in the lower troposphere. This radar consistsof a phased array antenna, a transmitter/receiver unit, and a dataprocessing unit. Operational frequency is 1357.5 MHz (L-band) andpeak transmitting power is 2 kW.

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