

Topics from Within

21GHz-band Satellite Transmission for Super Hi-Vision Broadcasting - Topics from NHK STRL Open House 2006 -

NHK Science & Technical Research Laboratories

NHK STRL Open House 2006 was held from May 25 to the 28th.

The theme this year was "Expanding the Horizons of Broadcasting with Trustworthy Technology", and 30 items of the latest study results on "Ultimate Broadcasting System Conveying a Strong Sensation of Reality", "Advanced Content Production and Agile News-reporting systems", "Ubiquitous and Universal Services", "Rapid Progress of Digital Broadcasting" and "How NHK's R&D Benefits Society" etc. were exhibited. [Refer to <http://www.nhk.or.jp/strl/open2006/index.html>.]

As an exhibition related to the satellite communications, a feasibility of a 21GHz-band satellite broadcasting system to transmit Super Hi-Vision (SHV) programming to individual homes nationwide was demonstrated. The exhibition showed an experiment in which SHV signals compressed with newly developed codec had been transmitted through an experimental satellite transponder model using 21GHz-band TWT* to show the potential of SHV broadcasting by satellite.

* Reference: "Capital Products & Review- Onboard Traveling Wave Tube for 21-GHz Band Broadcasting Satellite-," SJR No.41 June/July 2005.



Exhibition of Super Hi-Vision Broadcasting



21GHz-band TWT