

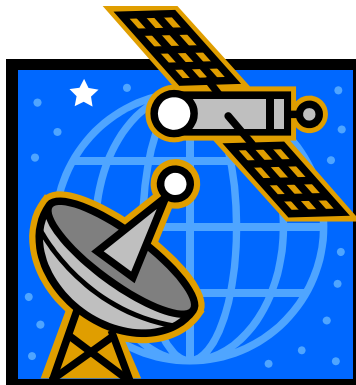
Corner of ETS-VIII of Kashima Space Technology Center



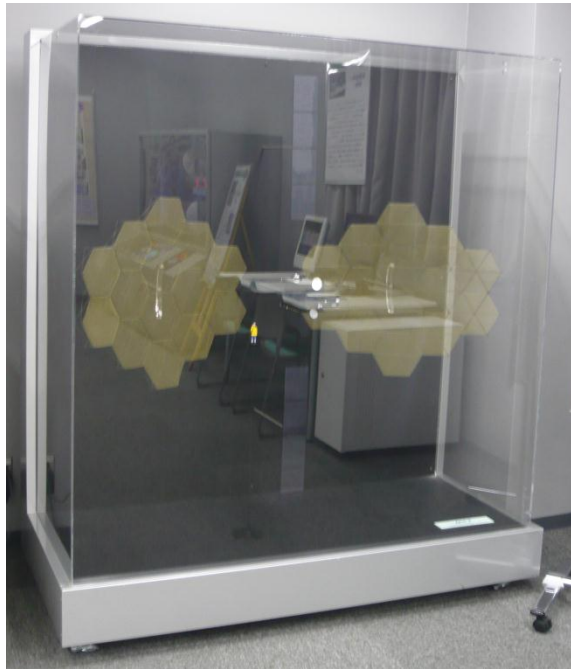
It is not exhibiting now this term for an experiment.

The corner of ETS-VIII is located in one corner of the Kashima Space Technology Center.

Here, I am exhibiting 1/30 model of ETS-VIII, and the equipment used in the experiment until now.



ETS-VIII 1/30 model



The engineering test satellite VIII model "Kiku VIII" (ETS-VIII) is the 8th engineering test satellite launched by the H-IIA launch vehicle of No. 11 in December, 2006.

The feature of this satellite is carrying the huge parabolic antenna whose size is about 17 m x no less than 19 m per sheet.

The satellite can obtain high transceiver performance by opening this antenna by space, and, on the ground, it can communicate now with a satellite directly using the communication terminal of size about the same as a mobile phone.

Equipment called BFN (beam forming network) which can make the transceiver beam of this large antenna in the various directions of Japan in National Institute of Information and Communications Technology is developed, The sound, the switchboard of data, the atomic clock of high accuracy, etc. were carried in the satellite, and research of mobile satellite communication or a global positioning system has been done.

Exhibition of an experimental device



Personal digital assistant equipment used in the ETS-VIII satellite experiment (March, 2003)

It is not exhibiting now this term for an experiment.



The small earth station and helical antenna which were carried in the data-communications experiment buoy from the marine buoy using ETS-VIII (October, 2012)

