

# KVN Station Report, TOG-meeting, Apr 29, 2021

## General Information

KVN participates in EVN sessions with 2Gbps mode and GMVA session with 4Gbps mode using a new backend system OCTAD.

## Receivers

KVN stations have four channel receivers. Observing frequency ranges are 18-26, 35-50, 85-116, 125-142GHz.

## VLBI Backends

KVN can observe four frequency bands in dual polarization simultaneously using a OCTAD and four 1Gbps samplers. The maximum data rate of OCTAD is 32Gbps (= 8Gbps x 4). Two Mark6 recorders and one Mark5B are available for recording.

## Network Speed

Yonsei has 40GbE connection. Ulsan and Tamna have 10GbE connection.

## Disk space plan for KVN at Jive

TBD

## EVN session MAR21

Yonsei and Ulsan participated in eight experiments in K-band (n21k1, ec071j, ec071k, eb084, f21k1, en008b, ey036b, eb064i). Tamna could not participate in this session because of a problem in H-maser. Total observing times are about 44 hours. Now Tamna is operational using a spare H-maser.