

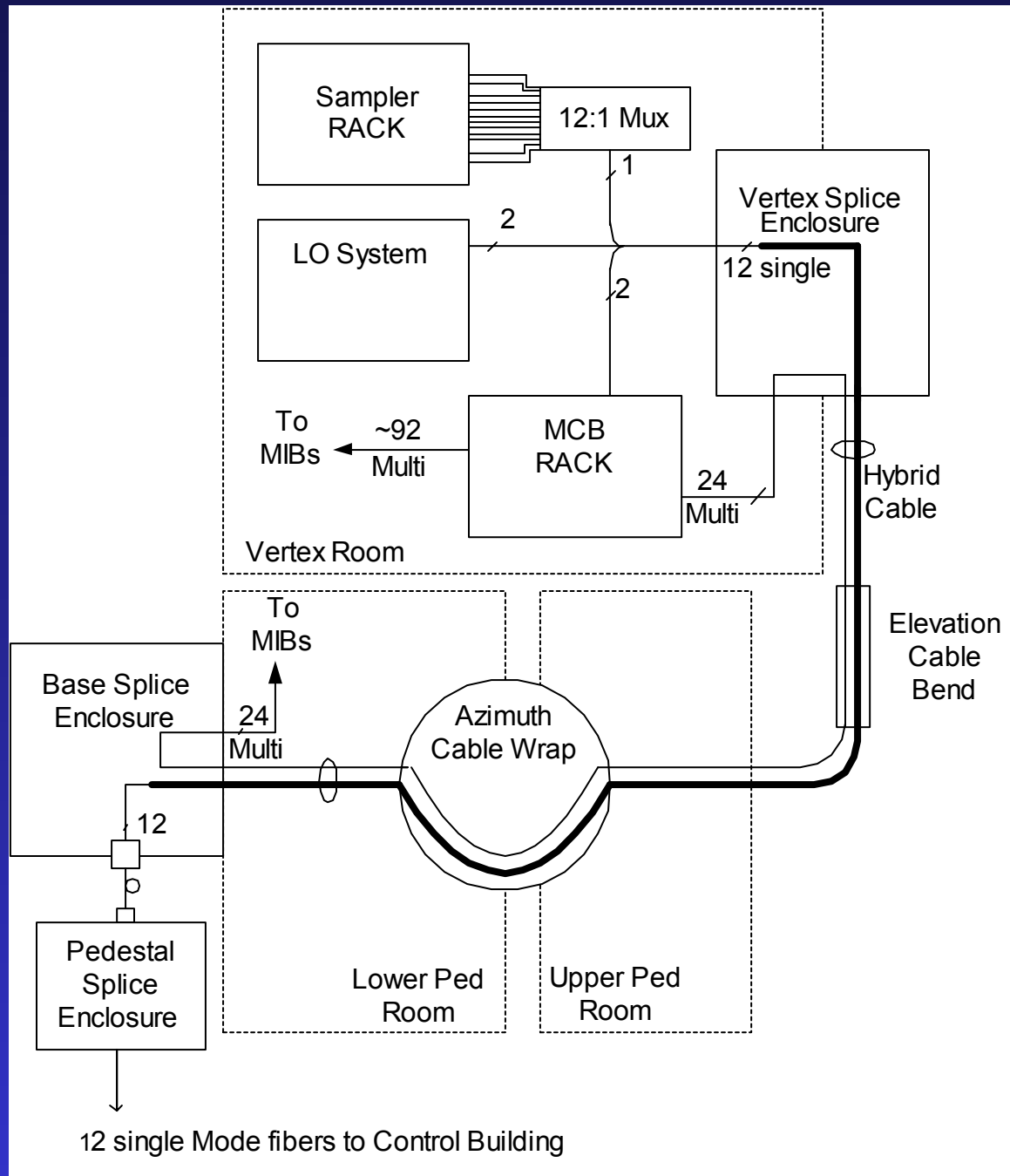


DAQ

Racks, Bins and Modules

Internal Design Review

June 17, 2002





Vertex Splice Enclosure





MCB Network Hardware



- 1 Gbit/s Transceivers
- Typical Equipment used to determine RFI
- Will be installed in shielded enclosure in the Antennas





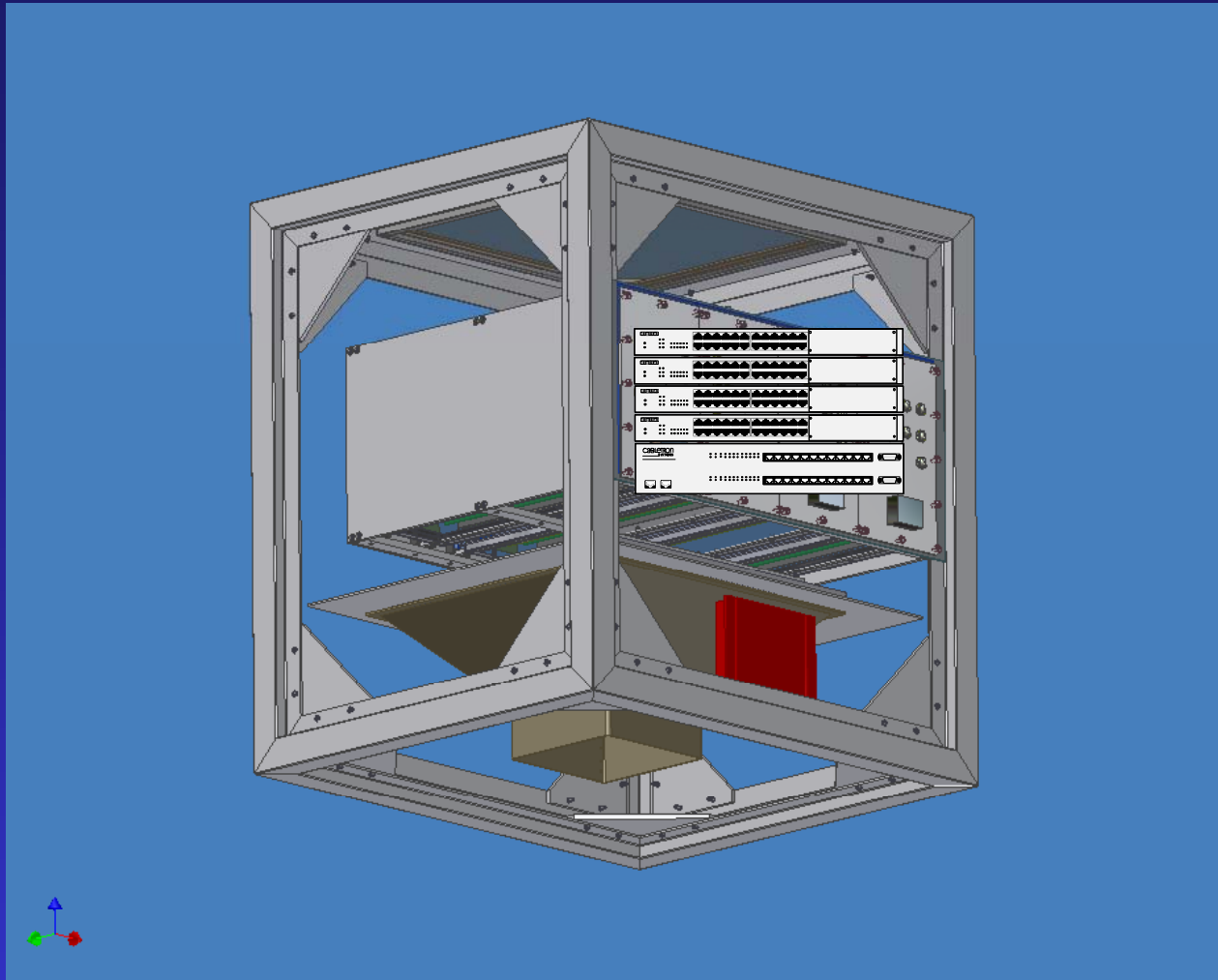
Preliminary RFI Testing of the MCB Hardware



- Chamber test with 2 of 5 Switches
 - Large # of strong discrete signals near 1GHz
 - -66 dBW EIRP @1 GHz
 - This is 89 dB stronger than -155 dBW limit
- The RFI Cabinet
 - Provided 25dB of shielding from 1-4 GHz



Fiber Cable Lab





Areas of Investigation



- Power supply filtering
- Grounding of Enclosures
- Grounding of metal parts of Switches
- Move the MCB cabinet to Ped Room
- Cable Wrap Location