ISS Hardware Status

Phase 1 Equipment Currently onboard

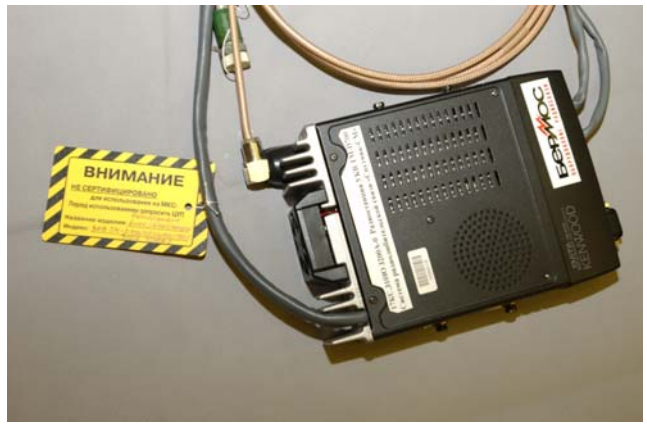
- Phase 1 70CM system consisting of the following:
  - Packet Module 2 each
  - Ericsson 70CM transceiver
  - Ericsson 2M transceiver
  - Adapter Module 2 each
  - Power module 2 each
  - Headset 1 each
  - 5 Associated cables x 2sets

Phase One Equipment On ISS

Phase 2 Equipment Onboard

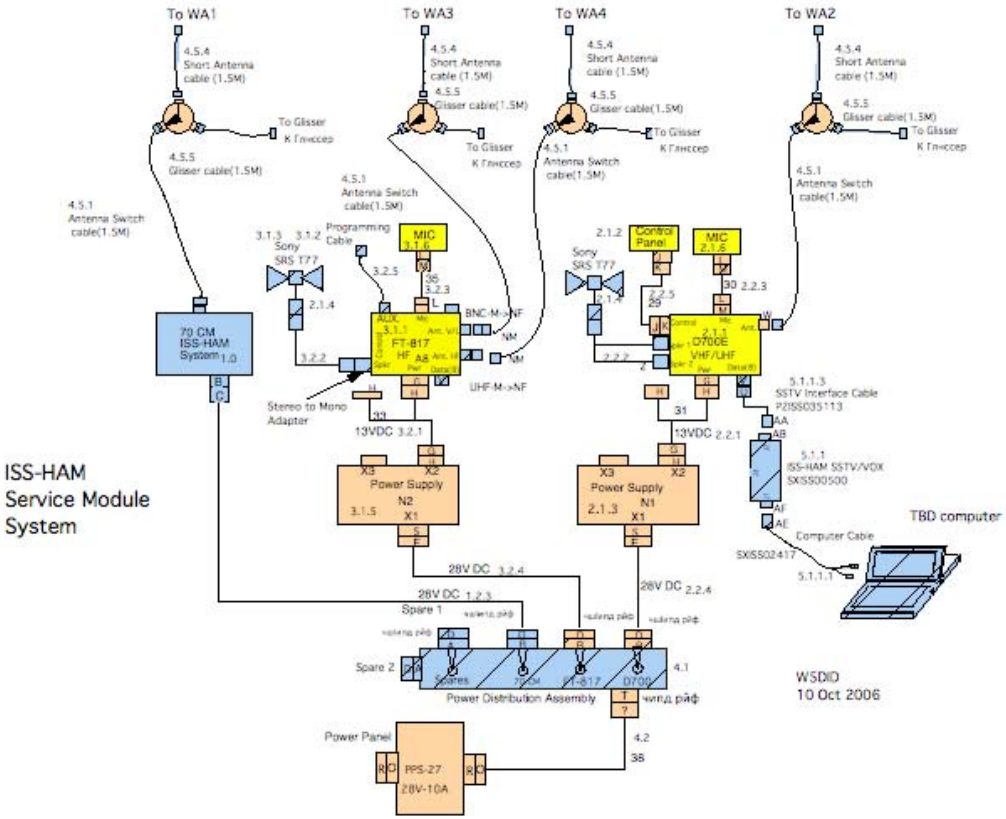
- Phase 2 Components consisting of the following:
  - 2 Each D700E Transceiver
  - 2 Each D700 Control panel
  - 2 Each Russian control panel cable
  - 2 Russian Power supplies
  - D700 Microphone
  - Russian microphone cable
  - Antenna switch panel
  - Ham radio Table
  - 2 Each SSTV Module
  - 2 Each SSTV D700 Interface cable
  - 2 Each SSTV Computer Cable
  - 1 Each VC-H1 SSTV Module
  - 1 Each VC-H1 D700 Data Cable

First shipment phase 2

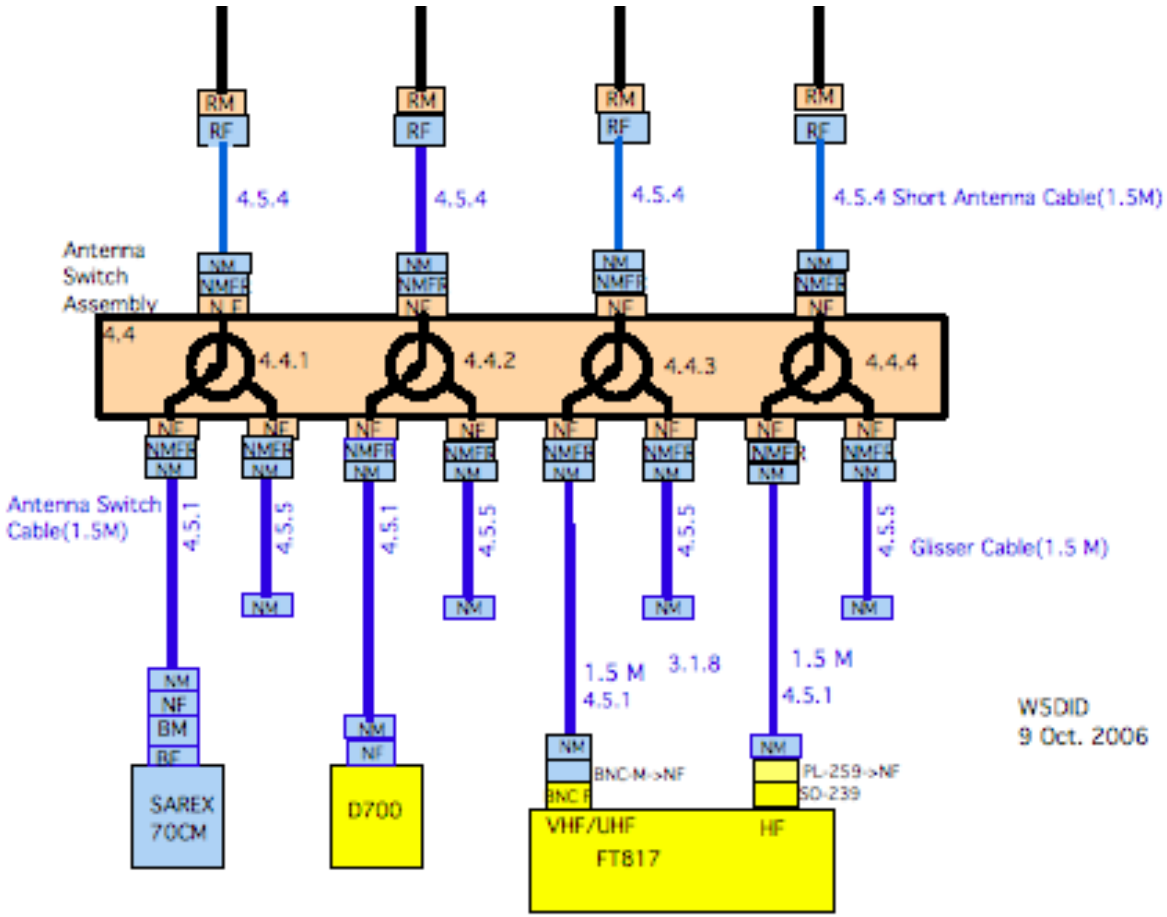


Phase 2 Equipment cont.

Phase 2 System when complete



Phase 2 RF Cables



Next Shipments

- Columbus Module VHF and UHF antennas.
- Suitsat 2

Future Shipments Phase 2

- FT817 System Consisting of :
  - FT817
  - MH-31 Microphone
  - RF System Cables
    - 4 Short Antenna Cables (P2ISS02454)
    - 4 Antenna Switch Cables (P2ISS02451)
    - 4 Glisser Cables (P2ISS02455)
- Power Distribution Box

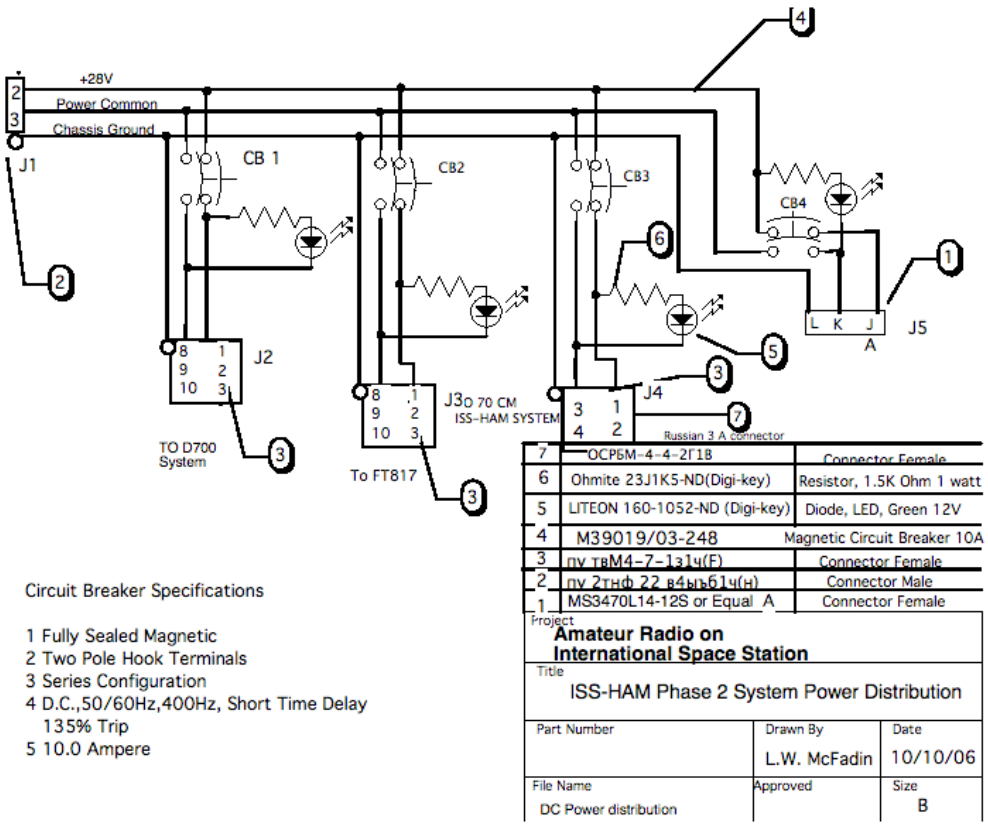
Power Switching Assembly

- Has been on hold due to higher priority work.
- Russian Connector delivery schedule.
- Certification ?
  - By whom?
  - Tests required?

Power Switching Assembly

- Aluminum casting box.
- Remove one U.S> Power connector and Add Russian 3.5 A connector

Power Distribution box schematic



Circuit Breaker Specifications

1 Fully Sealed Magnetic
2 Two Pole Hook Terminals
3 Series Configuration
4 D.C.,50/60Hz,400Hz, Short Time Delay
135% Trip
5 10.0 Ampere

Power Cable

- Who will supply the main power cable?
- Russian connectors on each end.
- Who will need to certify it?

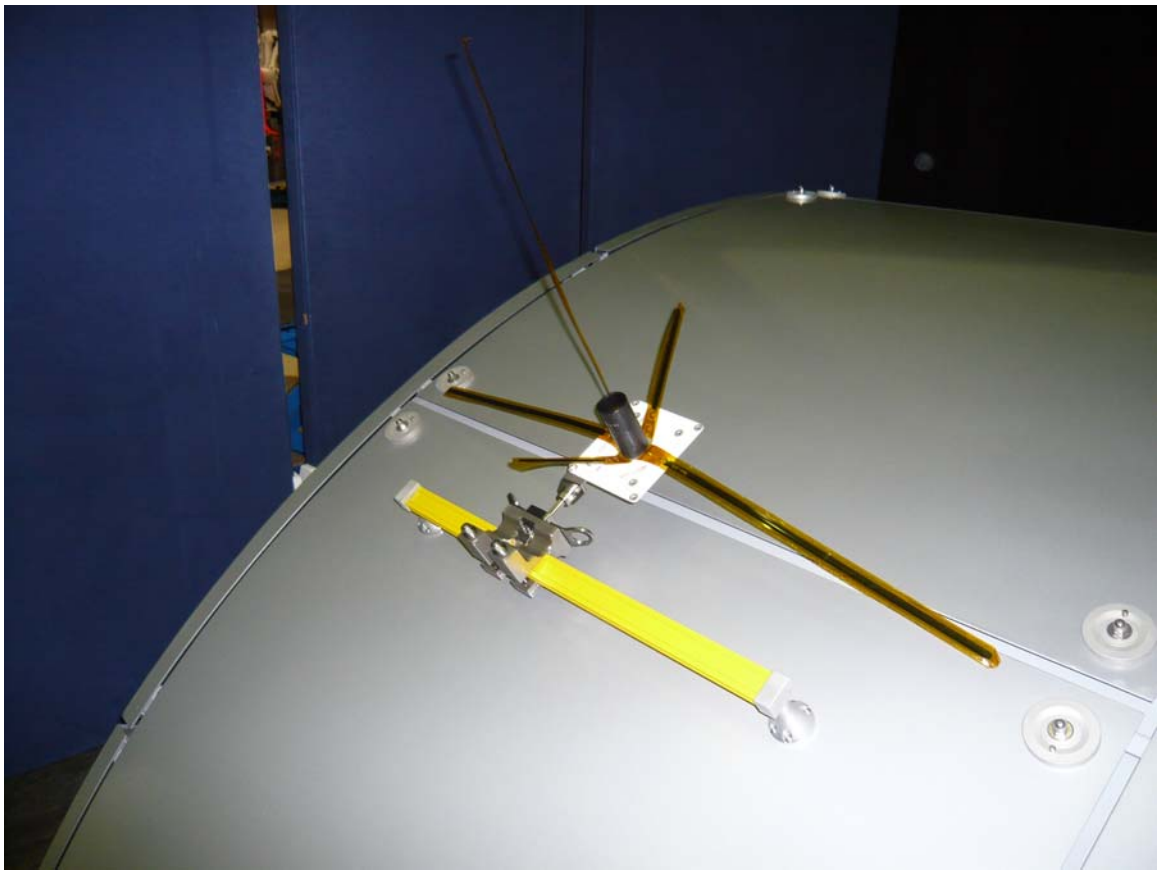
Open Items

- RF Cables
- FT817
  - Programming Cable
  - Certification
  - Programming
    - Frequency selection
    - Parameter settings

Tasks to be completed

- Fabricate RF cables
  - Four RF Switch cables
- Design and fabricate revised power switching box
- Complete Suitsat 2
- Deliver Columbus Module Antennas.

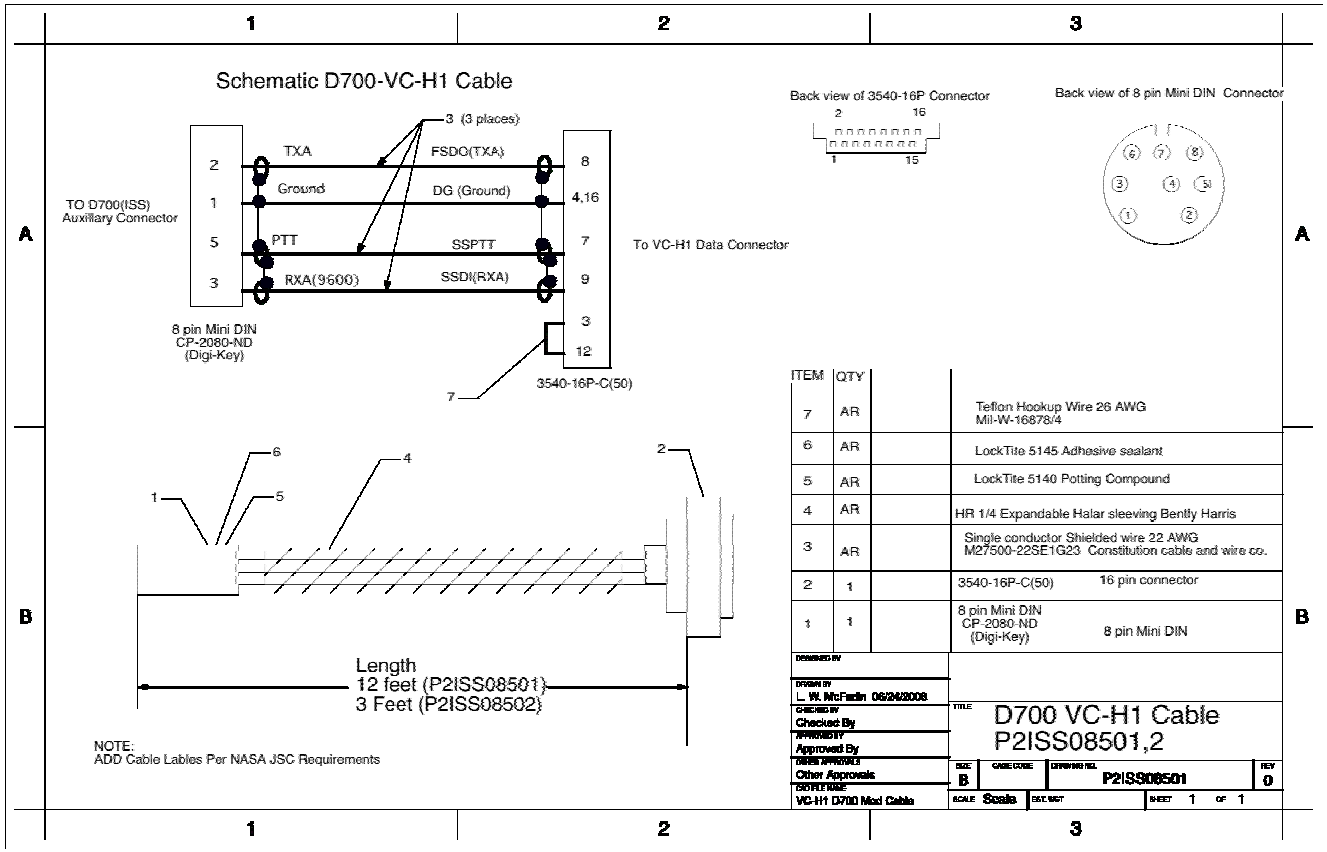
ARISS Antenna on Columbus Mockup



The Kenwood VC-H1

- The Kenwood VC-H1 was taken to ISS by Richard Garriott.
- The SSTV system has been used for many contacts since it has been onboard ISS.
- Operations are severely by battery supply
- Next improvement : add a power supply.

VC-H1-> D700 interface cable



VC-H1 flight cable