

## General Update



## General Update

- SPR
    - Electric panel work started
    - Ordered cable management for Analog Racks
  - Planning of tone measurement of RFCBs
  - Planning of power measurement after RF 4-way splitter
  - Investigate IF ripples
- 
- Observing Campaign
- 
- General update
    - LNF 6 spare LNAs ORDER PLACED (expected in Feb.)
    - Optocoupler PCB design for RFSoC board
    - IF gain Control

## Antonio Feed update

- Feeds
  - 5 feed bases ready for installation
- Retrofit feed base:
  - started on second round of retrofits
- MINEX:
  - Waiting for quotes for:
    - 7 feeds (inner)
    - 2 new build (inner)
    - 4 glass domes
- Other:
  - Quote arrived for 4 glass domes
    - Received mechanical specification from Minex
  - Diaphragm pump repair



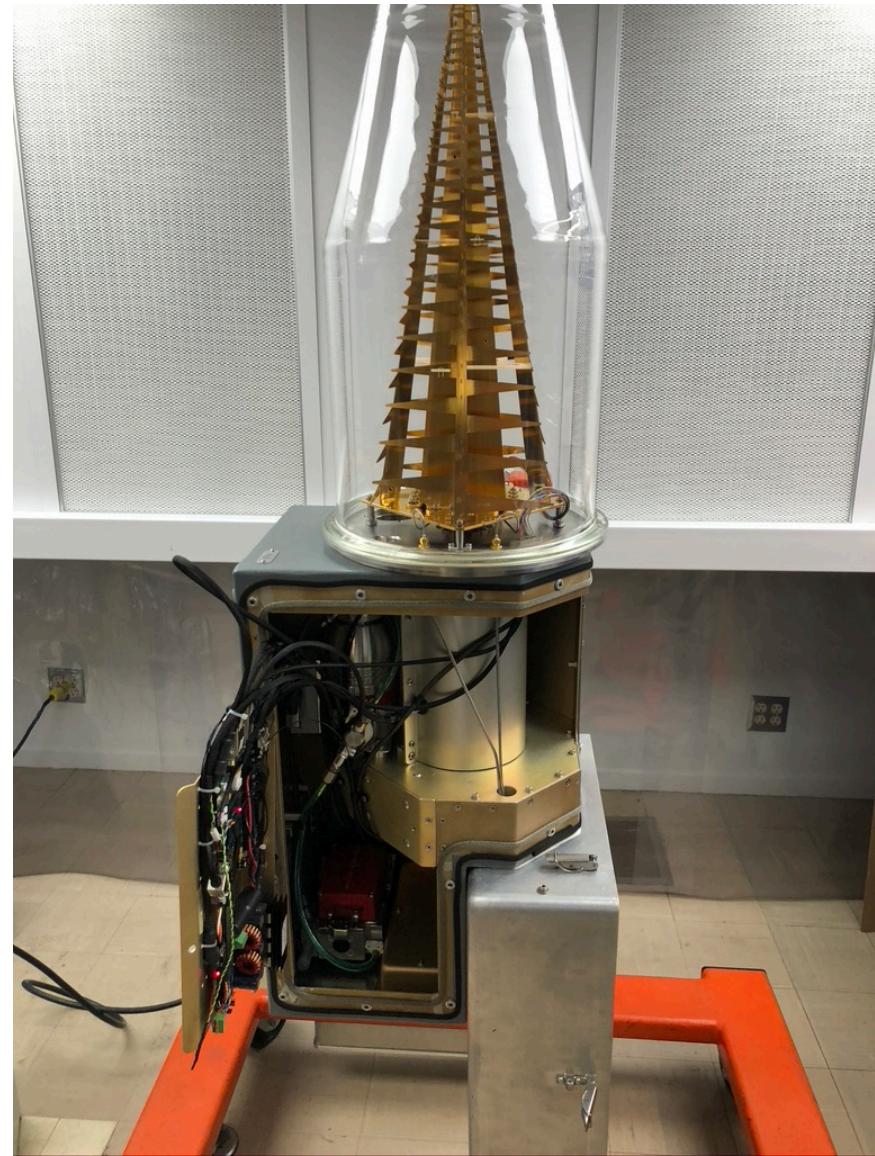
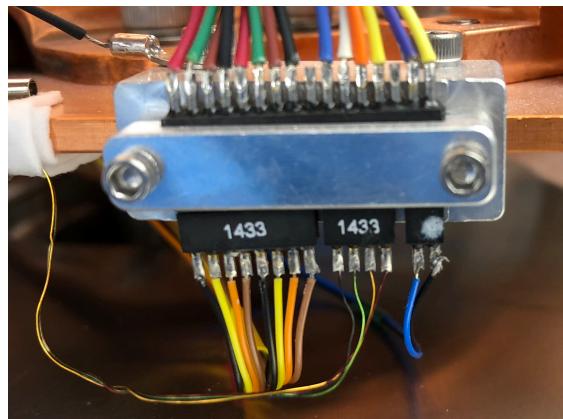
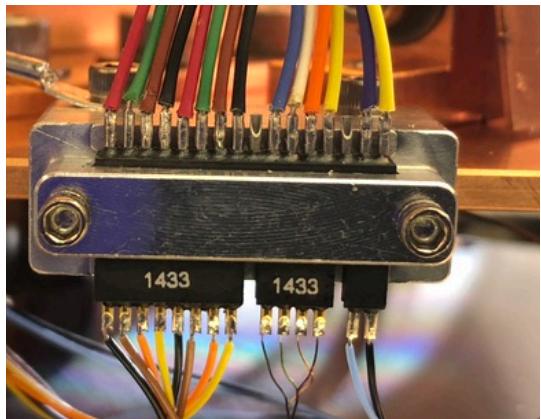
## Parts missing for final build out

- Feed Base
  - 1 Glass Dome (quote for 4)
  - 6 diaphragm pumps ORDERED
    - 1 set service parts ARRIVED
- 2 new build pyramids (20 total)
- 6 SS coax cables from LNA to base (waiting for quote)
- 3 48V power supplies to be installed at antennas (collected from Minex)
- 4 LNAs (6 ordered)
- UT-034-95 coax cable ARRIVED



## Feed 016

- LNA Cables are different in Log-Periodic Feed



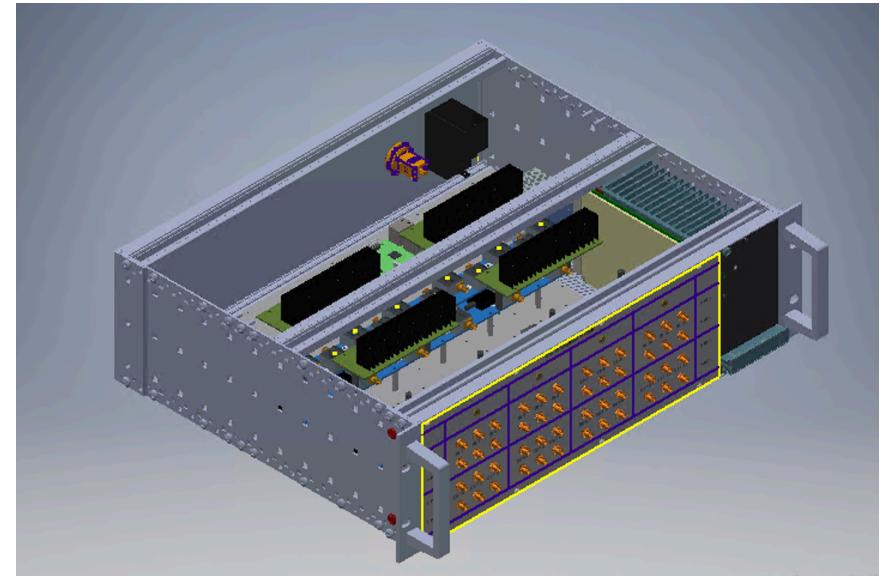
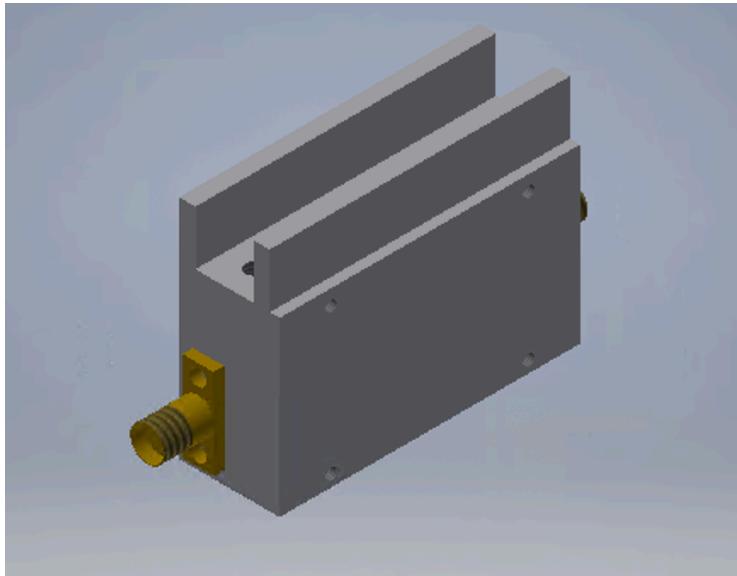
## Feed 016

- Damper works very well



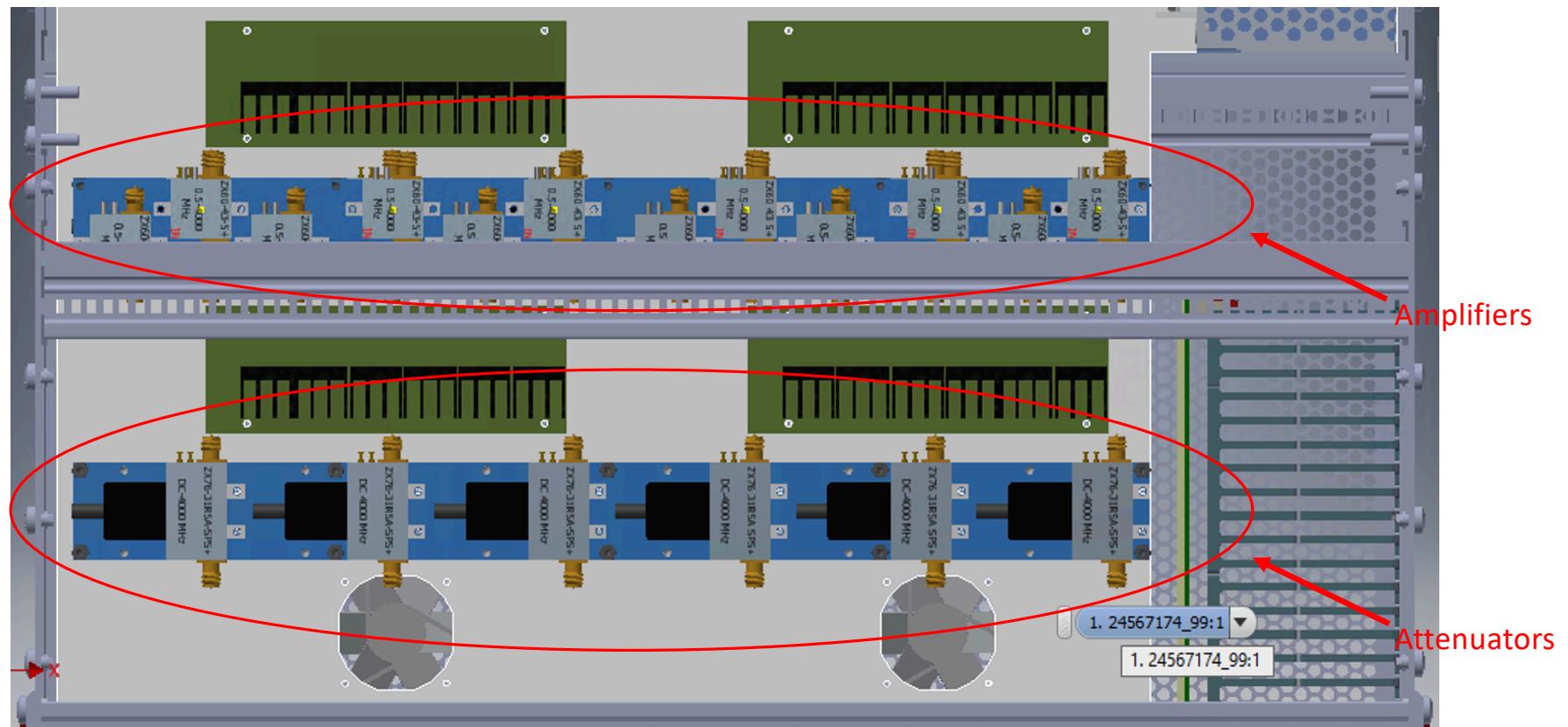


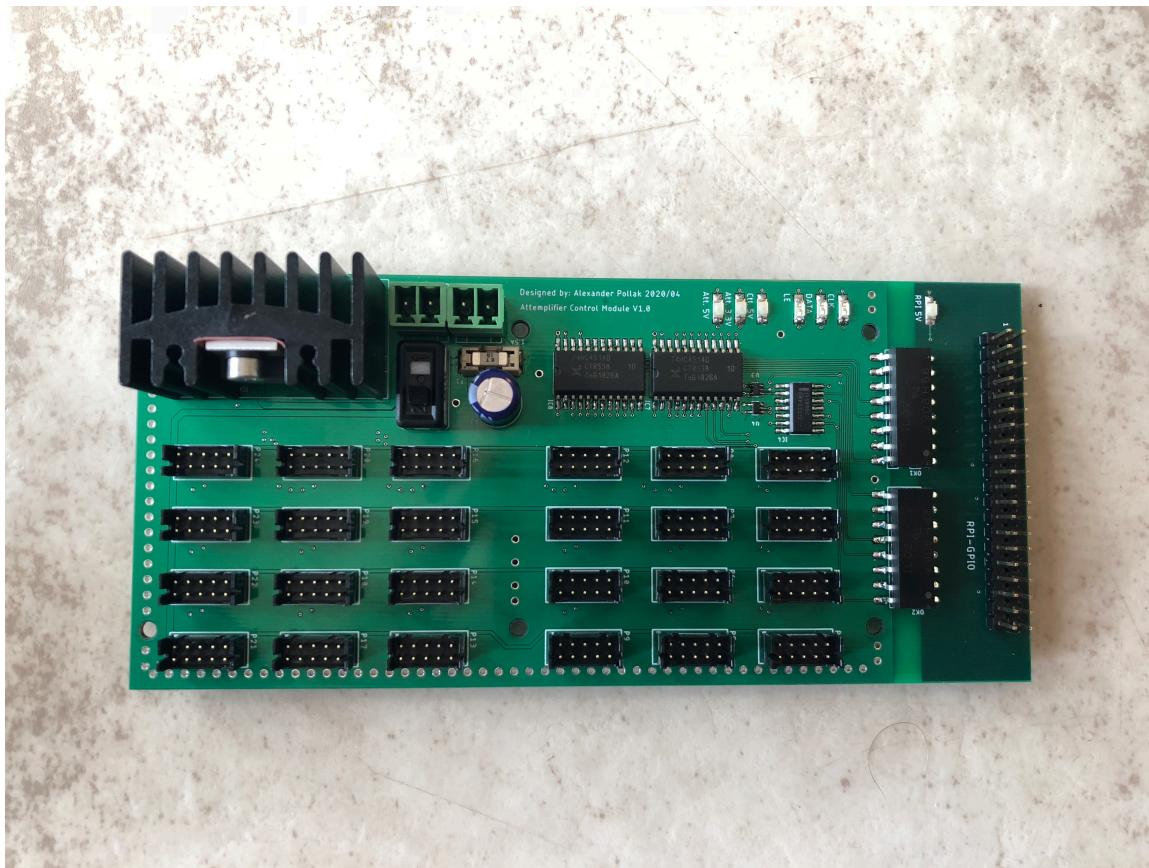
- Attempted from SRI and ones we took out
  - 418 total
  - 336 needed
  - All 418 need testing



Attemplifiers will be replacing individual  
Mini Circuit Attenuators and Amplifiers

IF Gain Control





- IF Gain Control control board
- Currently in use
- Need to duplicate to test  
attemplifiers

## Mini Circuit:

## FUNCTION TABLE

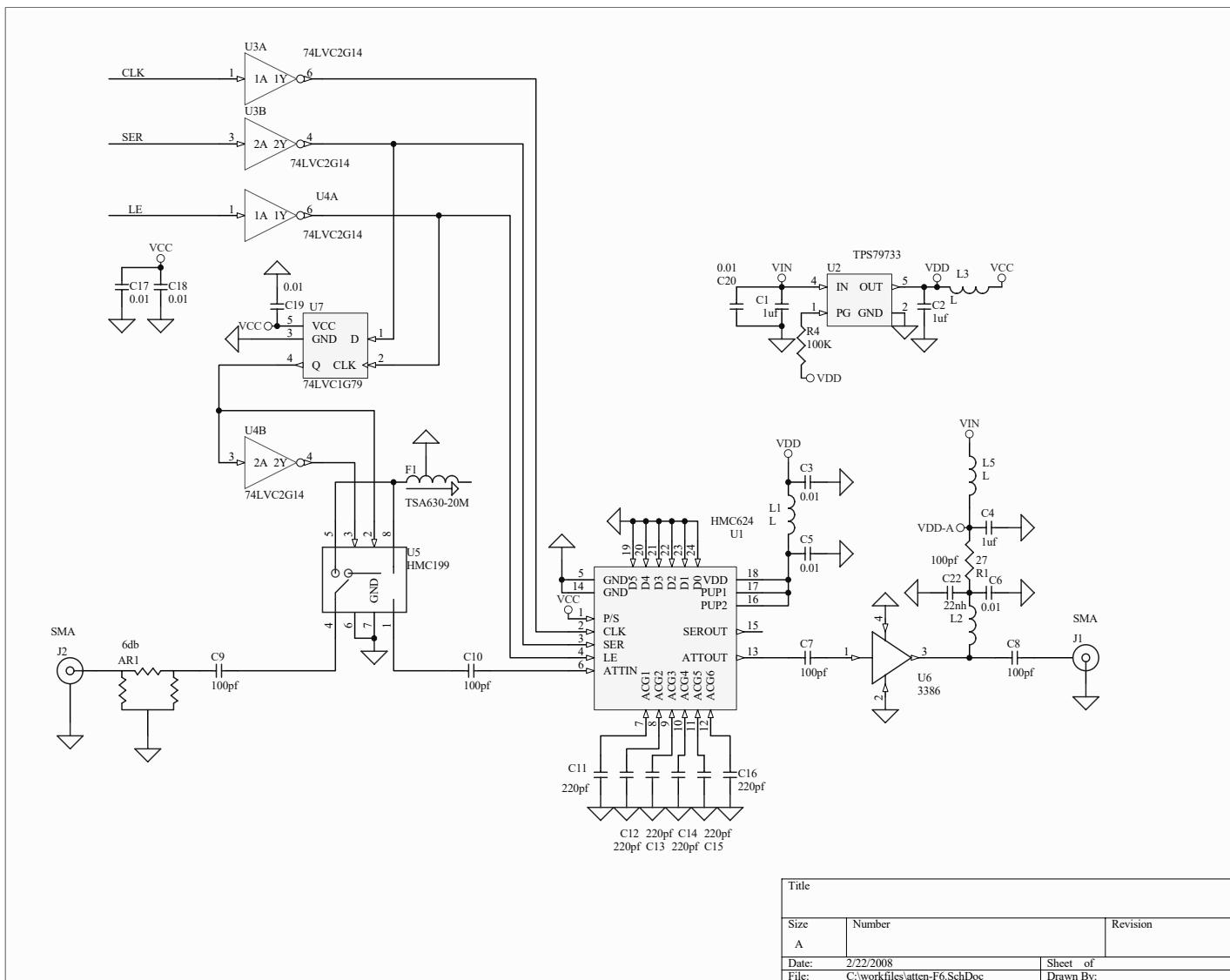
## Notes

1. LE = HIGH  
H = HIGH voltage level  
L = LOW voltage level  
X = don't care

## Attemplifier:

**Table 3. Function table<sup>[1]</sup>**

[1] H = HIGH voltage level  
L = LOW voltage level  
X = don't care.



## SPR HVAC

