

Agenda for meeting/Important questions:

- 1) Board ordering
 - a) \$993
 - b) 7 business days
 - c) May 1-5 holiday
- 2) We are currently getting ~5.7 dB gain from the LNA on the main board using HFSS when nominal is 25.5 dB (best guess, Himanshu suggested a matching network for the power detector)
- 3) How should we order the antenna board? It is a 2 layer currently 6.6 mil thick. To make it thicker for connector mounting we would need to increase the cost to a 4 layer?
- 4) Accounting for loss in the 2ft cables... how can we factor this into our cascaded gain calculations?
- 5)

Add a gap from subs to the circle that can be solder bridged

- Himanshu has gap size (0402 package gap)

Get quote for both - backing and non

- WR20 horn antennas placed

Agenda for SD Group Meeting

1. Debrief on Chisum Meeting
2. Recap on progress since last night's meeting. Stuff that's done:
 - Zack: Footprints for antenna board, schematic for antenna board
 - Dylan: 2 layer board
 - Lindsay: Checked 2 layer board
 - Maxine & Luke: Chisum meeting (see point 1 of agenda)

Notes

Chisum meeting

Backup plans

- a. 4 layer board doesn't come in or doesn't work
 - i. Soln: Pin connection from 2 layer board
 - ii. Run thru beamformer
- b. Antenna board doesn't work
 - i. Use RF horn antennas that can still be used with the beamformer
- c. Lens coming in on May 1st

Action Items

- Maxine: Add power lines to schematic for antenna board
 - Board file