

KFPA March 17, 2009 video conference minutes.

Attendees:

GB: J.Lockman, G. Langston,S. White, A. Shelton, B. Simon, M. Whitehead, P.Brandt, G. Watts

NTC: Srikanth

ER: B. Garwood

Canada: R. Ricci

- 1) Microwave Production: One OMT finished. One Phase Shifter electroformed. Electroforming for Phase shifters and OMT production is behind. Sri's testing will not impacted by delay.
- 2) CDR response sent and posted.
- 3) Matt Morgan email contribution (edited by S. White) :
 - a) Everything is going smoothly so far except for the PCB layout which is about a month behind where I thought it would be due to software conversion issues (from OrCAD to Eagle). *The resolution is to abandon Orcad in favor of Eagle(S.White during video conference)*
 - b) PCB layouts: 2 weeks (complete 3/30/2009)
PCB fabrication and machining of housings:6 weeks (complete 5/11/2009)
micro-assembly: 4 weeks (complete 6/8/2009)
test and troubleshoot: 2 weeks (complete 6/22/2009)
 - c) The above leaves virtually no margin for error. Given reasonable contingency I would expect to make delivery sometime in July.
 - d) Three things which may threaten that schedule are parts delays during PCB fabrication (beyond the 6 weeks already anticipated for that), shop delays for machining the housings, and competition for Tod's micro-assembly time. Eric and I have discussed with Pan our urgent need for Tod's time in the above time frame, so I expect to have some priority with him when it comes around.
 - e) Virtually all the parts are already here, with a few exceptions that are due in early April. One that is very late already are the spur-elimination filters from US Microwaves (yep, those guys). I have already inquired with them about the delay, and Kathy Norrod is following up on it for me. Although they were expected in February, I won't actually need them until mid-May, so there's plenty of time. I have already ordered the alternate design (along with some other Alumina I needed) in case those fail or never arrive.
- 4) Mark and Patrick are working on MR and should be distributed by third week of March. Requirements for laptop compiled and will be forwarded to S. White.
- 5) Jay, Glen and Sri's meeting to understand the beam efficiencies associated impact on the KFPA for the co sinusoidal taper versus the linear taper feed. Sri is putting the final touches a memo. Also requested is a table of HPBW beam efficiencies for another band (ie. Ku) at three frequencies.
- 6) Glen has action item to incorporate Roberto's continuum and polarization paragraph into the observing mode memo. Also observing use cases will be added with example ASTRID scripts.

- 7) UVA has a group that will analyze the pipeline for optimum processing techniques. A member of their group (David Halstead?) will possibly be in Green Bank March 25. A information exchange is planned for interested parties.
- 8) Roberto reported that Rene has submitted a proposal for a 1.8 GHz spectrometer. He will try to distribute the proposal internally.
- 9) The advert for the KFPA pipeline position is posted internally, needs updating on career builder, and posted at Maryland. An interviewee is advised to visit both the CV and GB sites as the job will require travel to GB on regular basis.