

Minutes for AMiBA Engineering Telecon

Meeting Date: 19-May-2005

Participants:

Australia:

USA: Ted, C.T., Patrick, M.T., Kyle, Johnson, Philippe

Taiwan: Chia-Hao, Pierre, Homin

USA Dial-in = 1-800-653-5390, 6668081#

Outside USA Dial-in = 1 773 843 6301

Minutes Recorder: Kyle

I. New Action Items:

II. Previous Action Items (still open):

III. Closed Action Items (as of this meeting):

IV. Miscellaneous Discussions:

Site:

Ted - Fence is finished.

Platform:

Philippe - Yesterday we visited Mr. Moose. We have reached the agreement that he could make the ring. I think we need to inspect the progress when each step is done. If everything goes well, we expect to integrate the platform in the first week of July, but we also expect one week delay.

Philippe - We will assemble the platform next week in order to measure the hole pattern for universal joints more accurately. We will probably use some 96in scale or ruler.

M.T. - I think to verify the hole pattern is a critical job and could be difficult to measure accurately.

Receiver:

Johnson - I have installed the coupler into Rx2 and also replace the kapton film on vacuum feedthru. Rx1 will be next.

Pierre - When you removed the diode on F38 to release the voltage clamp, did you put other diode back to protect the gate?

Homin - No, I think we should buy some higher voltage Zener diodes to protect.

Pierre - I plan to order some more in-rush limiters from the US. I am waiting for quotes.

Cold Head power distribution:

Pierre - I will ship the parts today.

Mount:

Patrick - I did some tests on Monday with updated version. It still shows oscillation. We called Vertex on Tuesday and they were just about to send a new version. This one has a different algorithm. It will move along the geodesic (great circle) instead of moving along the constant elevation curve.

M.T. - Vertex claims this is a new type of program for them. I suspect there could be new problems, but they seem to be confident.

Correlator:

C.T. - I am testing the EMI shield. I originally suspect DC offset depends on location of the RO board but now it seems to be more dependent on demod wave form instead of location. Right now there is about 10 to 50 counts of DC offset while we should see only a few counts.

Calibration System:

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Kyle - I am searching for quotes of components needed in the feedback system. Basically I need a microwave switch and a k-band mixer.

M.T. - We should have a review some time. I'll check with Derek to see when he's available.

LO/IF:

Johnson - I am looking for some attenuators to be put after the variable gain amplifier. About the DRO amplifier, the vendor informed me that it will be shipped out at the end of May. Another thing is I am waiting for Pierre to bring me some IC so I can tune the alarm value in the IF/LO modules.

Misc:

M.T. - We have two choices of new office and lab space to rent. Maybe tomorrow we'll gather all the available people to take a look and make a decision soon.

M.T. - For moving around on the site, we may need a forklift or a crane. Think about it. We also need the manlift. Ted will go look for one in local.