

## Minutes for AMiBA Engineering Telecon

Meeting Date: 09-December-2004

Participants:

Australia:

USA: Pierre, Phillip

Taiwan: M.T., Homin, Patrick, Steven, C.T.

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

Outside USA Dial-in = 1 773 843 6301

Minutes Recorder: Steven

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### I. New Action Items:

**Kyle** - 335pS delay will happen in IF cable. I will send the calculation to you to check if it is correct. We need to make some compensate cable to fix this problem.

### II. Previous Action Items (still open):

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

### IV. Miscellaneous Discussions:

MMIC:

Receiver:

**Kyle** - Rx2 core head and noise coupler had been installed into the receiver by Johnson. We can start to cool down the new one. WR10 wave guide for the noise coupler is too short and pull the coupler to one side. We can visibly see the gap. Johnson - The gap is around 1mm.

LO/IF:

**Kyle** - The Rx2 LO power is still lower about 5dB. The current is in reasonable range. When manually switch the pin switch there is 0.1dB power difference. I can use it and wait for the Rx4.

**Steven** - I have no idea what happen and I need you to send it back then I can check it. Unless uninstall the module or we can not check it. About the 21GHz DRO, I had found some amplifiers can push the power to 28dBm. But we still need Professor Chu's verified. He also want to know why we need 7m cables. So I might need the platform layout.

**C.T.** - I had received two doublers from professor Wang. You can test if you are interested.

Calibration System:

**Kyle** - We start to test the components. Most of them look fine.

**M.T.** - You need to keep the test records. Prof. Chuei needs the photo coupler. Kyle might need to send them back all the equipments. Next week when I come back, I will work with you about this.

**Homin** - Professor Chuei need his students to continue the tests. All the instruments need to be sent back.

Correlator:

**C.T.** - I had checked out the PCB shielding and ask for the quotation. I might need to do the modification on connecting and wiring.

Platform/Mount:

**Phillip** - We just finished the installation of dummy Ring. Joshua is doing the wiring. To open and close the shelter need to be very careful and need someone in site. I will forward the contract to you.

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**M.T.** - Since we need to the payment before shipment, we might need your report as soon as possible. Just tell us if we should to go on. About the schedule, we need to wait the Vertex engineer arriving and the shipping of the platform.

**Patrick** - The most urging is the testing schedule for the dummy ring.

Dish:

**Kyle** - Considering the custom clearing, Jackie asked me to send all the 60cm dish on this Friday.

Site:

**Pierre** - Everything about the wiring is finished. We need 30cm FL fiber connector. It is used to connect the electrical box with transform box. The length of cables used in cabinet should be OK.

**M.T.** - We will ask Homin to call you for the detailed.