

3rd Harmonic Monday Meeting Minutes

Date: March 5, 2007

Time: 9:30 A.M.

Place: Trailer 157 Conference Room

Attendees (P=Present, Ph=attended by phone):

C. Antoine		C. Cooper		D. Mitchell	P	G. Wu	P
T. Arkan	P	N. Dhanaraj		D. Olis	P	A. Hocker	
L. Bellantoni		H. Edwards	P	P. Pfund		J. Li	P
C. Boffo	P	M. Foley	P	S. Reeves	P		
H. Carter	P	E. Harms	P	A. Rowe			
M. Champion	P	T. Khabiboulline	P	N. Solyak	P	M. Ross	P

Minutes recorded by Dan

Minutes are posted at: http://tdserver1.fnal.gov/dolis/39GHz_minutes.html

3.9GHz Project page is: www-a0.fnal.gov

Meeting Minutes

MDTL

- Review is scheduled. Marc estimates facility will be operational in 3wks.

Cavity-4

- Allan reports via email: "Cavity 4 schedule is as follows: March 8 or 9, Setup for outside etch; March 12, Outside etch; March 13, Setup for inside etch; March 14, inside etch; March 15, Hydrogen degasification bake"

End Groups

- Mike has six sets of incomplete end tubes. The HOM end tubes do not yet have HOMs installed. Mike reports that he will be at Sciaky Thursday and Friday. He hopes to weld (4) HOMs onto end tubes, resulting in (4) finished end tube sets. He will also do some formteil-to-can weld tests. He'll give those to Charlie for inspection.
- F-probe machining and weld fixtures are getting fabricated. They should be ready when Mike needs them.
- Allan reports via email that BCP etch for weld preparation will be done on Wed., March 7.

Main Coupler Test Stand

- Elvin reports that RF personnel are working on adding diagnostics to system. Coupler conditioning should resume Tuesday this week. So far couplers have seen 75kW at 100microsecond pulses, while target is 1300microsecond pulse length.

HOM Couplers

- Elvin reports that (2) couplers were rec'd from Omley. Both passed leak check but one suffered a failed braze joint (non-vacuum joint) with normal handling. It will be returned to vendor. Two more couplers are due this week.

Single cell cavities

- Scott reports that dies returned from Roark show wear (normal or mishandling?). Problem is being studied.
- Roark is progressing towards in-house acid etching capability.

Other Business

- Don gave an update on his electronic bill of material and companion 3D cryomodule model that will be used by technicians to track parts and assembly steps. He has trained Jeff W. at MP9 so that he can use it for inventory tracking.
- Don reports that he, Chuck Grimm, and Evgueni Borrisov will work on shipping fixture.
- Discussion about leaking aluminum seals purchased from EVAC for cavity end flanges. Dan reports that it seems to be a materials problem since the seals look good. EVAC will send six seals fabricated from a different material under close supervision this week for us to test.

- Don has scheduled a teleconference meeting with DESY personnel for Thursday to discuss details of cryomodule design. DESY coordinator is Elmar Vogel. Harry added to the agenda a discussion of safety documentation requirements for DESY. Meeting time is 8:30 to 10, Thursday, Hermitage. Thin format solid model and bill of materials of cryomodule can be found at:

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