

CDL/Tuc/Soc LO telecon

1. Driver options - put best version of options 2 & 3 into Project Book, make decision later
2. TI 80→240 tripler; Bradley now thinks March 2001 prototypes. Use in place of 4-tuner tripler? ~~DB~~ Units are up to ~2dB below specified 1mW power output - marginal. Hard to fit for making adjustments. Guns have ~60mW, some attenuation before tripler. Need to make a decision now so that design can proceed. Need risk assessment and plan for risk mitigation + tripler dimensions by Dec 1.
3. Organization & responsibilities. D'Addario's memo is fairly general - may need more specifics before assignments are completely clear. Discussion of how to identify subassemblies in various options. Discussion of control configuration.
4. Project Book - need LO chapter. D'Addario to coordinate. Needed to Darrel by 24 Nov.

Next week: RX ; following week: LO

Date: Wed, 01 Nov 2000 08:29:51 -0700
 From: Dick Sramek <dsramek@aoc.nrao.edu>
 Subject: ALMA LO Planning and Coordination Teleconference

ALMA LO Planning and Coordination Teleconference

Reminder, we meet bi-weekly to discuss progress on the ALMA LO effort.

The next meeting is Wednesday, November 1, at: 11:00 MST 13:00 EST

Call Ivy Road hub: 804-984-0244

Agenda:

- 1) ALMA - Notes on LO Driver Options - option 2 vrs 3X?

Reference 11 Oct 2000 - by Eric Bryerton
http://www.cv.nrao.edu/~ebryerto/LO_Driver_Options.pdf

- 2) TI 1st LO, band 6: can CDL supply tunerless x3 multiplier? (The commercial multipliers that we have purchased have 4 mechanical adjustments and do not meet output power spec.)

*Richard now
 says March 2001
 for prototypes*

- 3) Comments on organization of First LO Subsys for ALMA:
 Are the assignments of responsibilities correct?

Reference: <http://www.tuc.nrao.edu/~ldaddari/loOrganization.pdf>
 by D'Addario.

- 4) LO project book chapter -- submit by Nov 24

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- 5) Central synthesizer range; see Larry's email of sep-30 and oct-04.

- 6) Report on the master clock.

- 7) DDS requirements. Should the OTF fringe tracking stay at a fixed sky location per scan?