

CDL/Tucson/AOC LO telecon

Meetings should accommodate an agenda with specific items, if anyone has topics needing discussion; send items to Payne a couple of days in advance.

How to define categories of rx/LO/IF/corr etc.?

D'Addario: could be (1) functional/logical connections  
 (2) packaging/location of assemblies  
 (3) organizational/WBS-oriented

Rafal: management of interfaces is more work for ICDs which bridge different subsystems - they need management attention, Not so for internal interfaces.

Wild: Gic Han Tan has sent a document - haven't read it

D'Addario: need to define when an ICD is needed and how it was approval.

Report on drivers: Eric Bryerton

Released memo on noise

Measuring drift

Designing combined assemblies

Trip to JPL in November to practice packaging MMIC amps

Possible trip to Tucson for integration in October

Discussion of driver configurations, power, etc.

Are we designing things out? Not really - have examples of everything over all frequency ranges, can easily be modified/scaled as needed.

Trip to Tucson in Oct - Thacker summarized tentative plans.  
 Skillue thinks it is OK. Avoid holography CDR on Oct 10.  
 Emerson: worthwhile just to visit; even better if something  
 can be accomplished.

D'Addario: would like to discuss memo on LO system breakdown.  
 Recall diagrams; any other comments?

[1 hour: Payne leaves meeting]

Sramek: Battle departing 22 Sep; have to figure what to do.

Ref Gen: techs assembling, probably OK for TI

Q 2<sup>nd</sup> LO synth: tech working on it using Battle outline  
 offset osc (AD direct digital synth chip) - making plans to add  
 an engineer to work on this, but need an interim plan

Thacker: Battle was working on a 16 GHz counter - will this  
 get built? Sramek: yes, it should get done.

D'Addario: needs to go only to 10 GHz; how is this useful  
 for LO driver? Requires a lot of detailed discussion.

Skillue: TI work. ALMA memo on photodetector results.

RAL collaboration: working on WR-10 output, slow progress -  
 may need to pressure Brian Ellison - more resources  
 need to be allocated. May visit RAL before end of year.  
 Will need several for TI; outsiders queuing for this  
 as-yet-nonexistent device!

SMA will provide backshort drives for test receivers. Free!

Working on various components. Packaging challenge - shock mounts  
 within rack?