

December 4, 1990

Dear Colleague--

As you are surely aware, research engineers and scientists of the ATRC (from all around the world) are working extremely hard to create the best digital HDTV simulcast system for us. In order to meet the FCC testing schedule, we must quickly embark upon an extremely aggressive hardware effort, which must produce a testable system in nearly a year. We invite your participation in a technical collaboration to examine the available alternatives for RF modulation, to be held at Sarnoff on Monday, December 10. An agenda for the day is attached.

Due to facilities, attendance must be limited to key persons. The goal of this day is to achieve a concensus, and to make a clear recommendation to our executives about what the ATRC technical approach to RF modulation should be for the FCC proposal, and next year's hardware effort. At the very least, we must document points of technical agreement (and possibly disagreement), so that our executives can make the best possible decision. We are anxious to have your participation in what will undoubtedly be a key strategic decision for all of us in the ATRC.

Sincerely,

Glenn A. Reitmeier      Mikhail Tsinberg Frank Kot

Thomson

Max Artigas  
Bill Beyers  
L. Christopher  
T. DeCuasnon  
Uwe Kraus

Philips

Carlo Basile  
Dave Bryan  
A. Cavallerano  
Aldo Cugini  
CAAJ Greebe  
Frank Kot  
Detlef Teichner  
Mike Tsinberg

NBC

Stan Baron  
Will Fagot  
Alan Godber  
Ron Gnidziejko  
Lou Libin  
Burnette Sams  
Merrill Weiss

Sarnoff

Jack Fuhrer  
Jim Gibson  
J. Henderson  
K. Jonnalagadda  
D. Raychauduri  
Glenn Reitmeier  
Hugh White  
Charlie Wine

*Glenn A. Reitmeier*

# **RF Modulation ATRC Plenary Technical Review**

- 10:00** Welcome and Introduction
- 10:15** RF Issues
- 10:45** COFDM Review and Results
- 12:15** Lunch
- 1:00** QAM Review and Results
- 2:30** COFDM and QAM comparisons
- 3:30** Discussion and Recommendations
- 4:30** Concluding Remarks