

EXHIBIT No. 1

FORM 442 ITEM 4E, F and G

Various modes of modulation, bandwidth, and data rates, all within the band limits of ITEM 4A, are requested

FORM 442 ITEM 10A

Use of the transmitting equipment throughout California, at temporary fixed locations, to determine propagation characteristics of local multipoint distribution (LMDS) as well as point-to-point and multipoint-to-multipoint video delivery systems. Particular attention will be focused on rain and vegetation attenuation in various California environs (rural to suburban to dense urban locations, dry desert to temperate to humid coastal climates and flat desert to mountainous and hilly terrain). Additionally, fading, signal absorption, multipath interference, etc. will be examined. The objective is to determine the viability of millimeter wave video delivery systems under various conditions using prototypical equipment at several frequencies. Additionally, detailed analysis of both radio and video transmission under the various conditions will be documented as will maximum distances with acceptable video delivery.

FORM 442 ITEM 10B

The specific objective of these tests is to determine the feasibility of providing wireless cable service using millimeter wave frequencies in a variety of configurations. The goal is to provide cable-type service to areas not presently served with cable or to offer an alternative to existing cable-type services.

FORM 442 ITEM 10C

Additional applications such as two-way telephony, data and low-speed video, and program-quality video will be explored. Various types of digital and analog modulation will also be evaluated. The very limited number of millimeter wave experiments reported seem to have focused on line-of-sight transmission. Additional experimentation on repeaters, passive and active reflectors and effects of various environmental conditions on the transport as well as end services is needed.