



**Federal Communications Commission
Office of Engineering and Technology**

Enclosed please find our application for Special Temporary Authority to operate a transmitter in Sunnyvale California to demonstrate and test the viability of a wireless service we have been experimenting with in New York City and which we demonstrated with an STA license in Detroit. Both licenses and on file at the FCC.

We will be using all the same equipment and power level and hope your access to our previous filings will expedite this application.

The only differences will be the location, the HAAT, the AMSL, and direction of broadcast.

The technical fundamentals of this service was described in detail in our experimental license application 0231-EX-PL-2003 (Call Sign WD2XGP)

We have analyzed the UHF spectrum utilization in Sunnyvale California and have determined that using Channel 69 would enable us to demonstrate our system with no harmful interference to any existing co or adjacent channel users in the area. Enclosed please find a technical analysis of our conclusions.

We believe that applying for an STA is most suitable since the duration of the demonstration will be approximately six months.

**Please let us know if we can be of any further assistance to expedite this request.
Sincerely,**

**Bob Miller
Viacel Corporation**