

Booz, Allen, & Hamilton  
Experimental STA Request  
January 17, 2002  
File No. 0028-EX-ST-2002

## **Exhibit 2**

### **Necessary Bandwidth**

The necessary bandwidth for the purposes of this STA request should be considered to be 2 GHz. In the frequency domain, the signal would have a nominal center frequency at 4.2 to 4.3 GHz and 10 dB down points of 2.5 GHz and 5.5 GHz. The necessary bandwidth for these purposes has been determined experimentally through laboratory measurements to be 3 GHz.