



26 March, 2010

Equipment Authorization Division  
Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

### **Response to OET Correspondence Numbers 82741, 82742, 82744**

Aviat Networks submits information in relation to the abovementioned correspondence numbers.

The StarMAX 3160 Series is WiMAX Forum compliant terminal station (IEEE802.16-2005 standard based). The WiMAX Forum has created standard TDD system profiles where the DL:UL split ratios are specified. The DL:UL ratio range (in symbols, total amount of symbols in one 5ms air frame is 47) for 5MHz and 10MHz channel BW is between 35:12 and 26:21.

The first 3 symbols in the UL are used for ranging and transmission of various feedback messages that are communicated with a relatively low duty cycle (every few 5ms frames) and minimum power on just few subchannels (3-10% of bandwidth) – so the terminal station TX duty cycle range is between 19% (9/47) and 38% (18/47).

For particular applications the required DL:UL ratio could be very low and outside WiMAX Forum system profile values. Extreme DL:UL ratio supported by StarMAX 3160 Series is 11:36 which translates to 70% (33/47) TX duty cycle.

A handwritten signature in black ink that reads "R. French".

Ruth French  
Product Compliance Manager