



9 December, 2009

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

### **Contention Based Protocol**

Harris Stratex's StarMAX product is based on IEEE 802.16-2005, OFDMA part of the standard and specifically on WiMAX Forum System profile. WiMAX MAC is base station-centric as all the scheduling of the traffic and control data is performed by the base station. The end users (terminal equipment) are thus not having issues in co-channel operation with other like systems. The automatic co-channel interference avoidance mechanism is not implemented within StarMAX base station, but with different measures (air frame configuration and synchronization, fractional frequency reuse patterns, site and RF planning) the system can be configured for efficient co-channel operation with like systems - thus the equipment falls into the restricted contention based protocol category per CFR 47, Part 90 (§ 90.7). Hence, Harris Stratex Networks is applying for a grant only for the lower 25MHz of the 3650 – 3700MHz band.

A handwritten signature in dark ink that reads 'R. French'.

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