



Mercury Networks, LLC.  
1100 Walnut St, Suite 2050  
Kansas City, Missouri 64106

Date: September 17, 2020

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

**Subject: Permissive change application for FCC 47 CFR Part 96 3550-3700 MHz radio**

**Applicant:** Mercury Networks, LLC  
**Equipment:** Part 90 3.65 GHz Base Station  
**Model:** QUANTUM 6636  
**FCC ID:** XN3-QUANTUM 6636

To whom it may concern,

Mercury Networks LLC. is requesting authorization to upgrade their certified radio operating in the 3650-3700 MHz band to operate in 3550-3700 MHz band under FCC 47 CFR Part 96 (Citizens Broadband Radio Service) rules.

Mercury Networks has a new firmware build that can be loaded onto its existing Quantum 6636 radios. The change is software only, no hardware changes are needed to enable the additional 100Mhz of spectrum allocated as part of FCC 47 CFR Part 96 – Citizens Broadband Radio Service. This updated firmware, in combination with a Domain Proxy developed for use with the Quantum 6636 product, will allow operators to continue use of the product once Part 90(z) rules sunset.

If you have any questions or need further information, please contact the undersigned.

Sincerely,

Matthew Sams  
Chief of Staff  
Mercury Networks, LLC.