



**Avari Wireless Corporation**  
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Jul 10, 2025

Timco Engineering, Inc.  
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FCC ID: 2BA6ERU374PSABGH41A  
Model No: RU37-4-PS-ABGH-41-C-D0-2C  
RU37-4-PS-ABGH-51-C-D0-2W

Avari Wireless is submitting all required documents for Class II permissive change of the company's quad-band 420-450-700-800MHz Remote Unit (RU) for Land Mobile Radio wireless coverage, presently authorized by FCC on Jun 11, 2025.

There are no changes to the hardware and software. The permissive change sought is:

- a) To add two emission designations 20K9D9W and 20K9F9W to the 400-425 MHz frequency range, for waveform  $\pi/4$  DQPSK, with the test results in the updated report

## 1. Intended Emissions

| Waveform Ref in Datasheet | Tested Signal   | Signal Description            | Individual Emission Designators  | Emission Designators for Multiple Channels (FCC Form 731) | Explanations   |
|---------------------------|---|-------------------------------|--|---|--|
| Public Safety             | P25 Phase I C4FM, CQPSK, P25 Phase II HDQPSK, $\pi/4$ DQPSK | Narrowband digital signal     | 9K63D9W, 9K63F9W, 9K51D9W, 9K51F9W, 10K1D9W, 10K1F9W, 9K52D9W, 9K52F9W, 20K9D9W, 20K9F9W | D9W, F9W  | 1 or more channels carrying a combination of voice and data for 420MHz, 450MHz, 700MHz and 800MHz Band |
| Public Safety             | FM  | FM 1kHz signal 4kHz deviation | 10K1F8E  | F8E   | 851-869MHz only  |

## 2. Intended Use

The RU equipment is to be connected to a Master Unit, the signal source via fiber. The equipment under this filing is NOT for consumer use. All deployment of such equipment first needs to be designed and approved by certified system designer and then implemented by professional installers.

Regards,

Andrew Leung  
CEO  
Avari Wireless Corporation