

Applicant: Barrett Communications Pty Ltd  
FCC ID: OW4-407510

**Head Office:**

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November 12, 2023

Office of Engineering and Technology  
Laboratory Division  
Equipment Authorization Branch  
FCC Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject: Application for New Filing Certification of Transmitter with FCC ID: OW4-407510**

Dear Sir/Madam,

Barrett Communications Pty Ltd (47 Discovery Drive, Bibra Lake, Perth, Western Australia) herein submits application for Certification of the subject transmitter.

This transmitter is intended for use in a radio application with capabilities for clear and coded communications with a variable transmit power operating within the following frequency ranges:

| Product Name                  | Model Numbers | Frequency Range  | RF Power                              | FCC Rules Part |
|-------------------------------|---------------|------------------|---------------------------------------|----------------|
| 4075 Linear Amplifier – 1000W | BC407501      | 1.5 MHz – 30 MHz | 1000 W $\pm$ 1.5 dB<br>(Max declared) | 87             |

We are requesting certification under Part(s) of the Commission's Rules listed above to allow operation of this equipment.

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Barrett Communications Pty Ltd hereby certify that all 4075 HF High Power Transmitter packages bearing the FCC logo will contain a software region lock that will prevent the product being used in a manner contrary to that allowed by FCC Part 87 rules. This software region lock will restrict modification of the following Software definable RF parameters:

1. **AGC Attack/Gain:** are not modifiable.
2. **Modulation Types:** are factory programmable only and are limited to the certified emissions.
3. **Output Power:** is factory programmable only.
4. **Transmit Frequencies:** are factory programmable only and are restricted to licensed frequencies in the range of 1.5 MHz and 30 MHz.

All FCC 4075 HF High Power Transmitter packages are shipped from the factory pre-programmed with only authorized frequencies and are not modifiable by end users. The 4075 HF High Power Transmitter is only supplied by authorized dealers who program the radio's frequencies to ensure that frequencies are restricted to only those licensed to the end-user.

Barrett Communications Pty Ltd also requests that the FCC certify this product for the entire 1.5 MHz to 30 MHz band to meet the requirements of users authorized to operate between 1.5 MHz and 2.0 MHz as allowed by Title 47 CFR § 2.106.

A complete Certification application is enclosed. If you require any additional information, please contact me at (+618) 9434 1700.

Dated: November 12, 2023



Signed: \_\_\_\_\_



Printed name: **David Archer**

Title: **Technical Manager**