



BARRETT
COMMUNICATIONS

**HF & VHF Radio
Communications**

Date: 22nd January 2018

Product Name: BC407521

ABN 97 009 349 642
ACN 009 349 642
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Barrett Communications Pty Ltd hereby certify that all BC407521 units with FCC ID OW4-BC407521 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 J3E and H3E emissions.
3. **Output Power:** is factory programmable only and limited to a maximum of 1000 w.
4. **Transmit Frequencies:** are factory programmable only and are restricted to licensed frequencies in the range of 1.6MHz and 30MHz.

All FCC units are shipped from the factory pre-programmed with only authorized frequencies and are not modifiable by end users. The BC407521 transceiver 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 1.6MHz to 30MHz band to meet the requirements of users authorized to operate between 1.6MHz and 2.0MHz as allowed by Title 47 CFR § 2.106.

This would be done to facilitate the requirements of agencies covered under NTIA spectrum usage. Government agencies complying with the NTIA instead of the FCC must purchase their equipment from private industry manufacturers who are governed under FCC rules. The conflict in spectrum allocation detracts from the options available to the government agencies for commercial off the shelf equipment which meets their required specifications such as the Department of Interiors. Please see frequency lists on next page.

Dated This 24th **Day of** August 2019

By:

Phillip A Bradshaw

Signature

Printed

Title: Chairman

For: Barrett Communications

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The following table lists the CFR 47 Part 87 frequencies for a MF/HF Fixed station transceiver:

2.182 MHz	2.648 MHz	2.850 – 3.025 MHz	3.281 MHz
3.400 – 3.500 MHz	3.470 MHz	4.125 MHz	4.550 MHz
4.645 MHz	4.650 – 4.700 MHz	4.9475MHz	5,036 MHz
5.1225 MHz	5.1675 MHz	5.310 MHz	5.450 – 5.680 MHz
5.8875 MHz	6.525 – 6.685 MHz	8.015 MHz	8.364 MHz
8.815 - 8.965 MHz	10.005 – 10.100 MHz	11.275 – 11.400 MHz	13.260 – 13.360 MHz
17.900 – 17.970 MHz	21.924 – 22.000 MHz		