

FCC ID: XMK-MMXTRNB007

Ubiik Mimomax
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Christchurch, New Zealand



25 January 2024

To whom it may concern,

The purpose of this letter is to explain why we have submitted only one radio for FCC Compliance for the 450-470MHz band.

Ubiik Mimomax Tornado radios utilize the same digital and RF boards for the 450-470MHz band but use duplexers to separate the transmitter and receiver. The duplexer is a passive component in terms of transmitting. Typically, this duplexer will be tuned specifically according to the customer's frequency requirement prior to dispatch. Once the duplexer is tuned, it can only operate within a certain range (usually ± 1 MHz) of the nominal frequency.

The duplexer tuning process requires special equipment and must follow certain procedures to achieve a successful outcome. Due to the complexity of the tuning and the risk of damage to the duplexers or radio boards, it is recommended that this process is only carried out by trained and experienced technicians.

For this reason, we prefer to not have the test house carry out the tuning and have instead submitted a radio tuned to 460MHz (the centre of the 450-470MHz band) as a sample.

Based on the above information, we hope it is acceptable to have only one radio submitted for compliance.

Best Regards,

A handwritten signature in black ink that reads "P. Reid".

Paul Reid

President