

Mimomax Wireless Ltd, trading as Ubiik Mimomax
540 Wairakei Road
PO Box 20003
Christchurch, New Zealand



Date: 25th September 2024

To: Federal Communications Commission,
Authorization & Evaluation Division,
7435 Oakland Mills Road,
Columbia, MD 21046

Re: Variants for **FCC ID: XMK-MMXTRNB009**

Model number for Approval

MWL-TORNADO-*G?A, The * and ? are wildcards and are explained below.

The * can be B or A, when the * = B this means the radio is encryption capable, when the * = A this means the radio is not encryption capable.

For Example: The MWL-TORNADO-AGCA and MWL-TORADNO-BGCA differ only in that the MWL-TORNADO-BGCA radio uses a processor with a hardware encryption co-processor, whereas MWL-TORNADO-AGCA radio does not have this hardware encryption co-processor, all other parts and radio configuration parameters are identical.

All Tornado radios use a strong whitener in the physical layer signal processing which ensures that the spectrum is not affected by the data regardless of the whiteness of the data, this also ensures that encryption or lack of encryption also has no effect on the spectrum and emissions from the product.

The ? can be a A, B or C, when the ? = C this means the radio is fitted with a 60kHz bandwidth receiver filter, when the ? = B this means the radio is fitted with a 30kHz bandwidth receiver filter, when the ? = A this means the radio is fitted with a 15kHz bandwidth receiver filter

For Example: The MWL-TORNADO-AGCA, MWL-TORADNO-AGBA and MWL-TORADNO-AGAA differ only in that the bandwidth of the crystal filter in the receiver intermediate frequency stage, all other parts and radio configuration parameters are identical.

The bandwidth of the receiver intermediate frequency filter being 15kHz, 30kHz or 60kHz makes no difference to the spectrum and emissions from the product.

Sincerely,

A handwritten signature in black ink that reads "James Dowle". The signature is fluid and cursive, with the first letters of the first and last names being capitalized.

James Dowle

MiMOMax Wireless Limited (Trading as Ubiik Mimomax)