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To whom it may concern

Equivalence for FCC-ID: XMK-MMXTRNB008

Mimomax 400-430 MHz Tornado radios have been certification tested with during April 2024, Testing was carried out on an Encryption capable radio fitted with internal duplexers and 50kHz receiver filters. Equivalent radios with and without encryption capability, with internal vs external duplexers and with different bandwidth receiver filters are available in the Tornado Radios.

Encryption capability or lack of encryption capability makes no impact on the signal transmitted from the Radio. Internal duplexers radios have less rejection of unwanted signals and are consequently the worst case for the signals out of the radio. A radio with a 50 kHz receiver filter was tested as it can support all the bandwidths required for testing and the receiver filter bandwidth has no impact on the signals out of the radio.

Certification testing was complete on a MWL-TORNADO-BACA model radio.

The below models are equivalent to the MWL-TORNADO-BACA:

MWL-TORNADO-AAAA, MWL-TORNADO-AABA, MWL-TORNADO-AACA, MWL-TORNADO-BAAA,

MWL-TORNADO-BABA, MWL-TORNADO-AAAB, MWL-TORNADO-AABB, MWL-TORNADO-AACB,

MWL-TORNADO-BAAB, MWL-TORNADO-BABB, MWL-TORNADO-BACB

Model numbering follows the format

MWL-TORNADO-1234

Where 1 = A for non-encryption capable radios, and B for encryption capable radios.

Where 2 = A for 400-430 MHz Frequency band radios.

Where 3 = A for 12.5kHz bandwidth Receiver filters, B for 25kHz bandwidth receiver filters and C for 50kHz bandwidth receiver filters.

Where 4 = A for internal duplexer radios and B for external duplexer radios.

Regards

James Dowle

James Dowle, R&D Manager