

Part 90.203 Justification Statement



05 January 2024

Benjamin W. Tidwell
+1 Compliance LLC,
2113 Huron Circle, Denton,
Texas 76210 USA
United States of America

Dear Benjamin,

Subject: Part 90.203 (j) (5) Certification Statement – FCC ID: ZC7-MTPB1GN

Anodyne Electronics Manufacturing Corp. certifies that its digital mobile transceiver FCC ID: ZC7-MTPB1GN, meets a spectrum efficiency standard of one voice channel per 6.25 kHz of channel bandwidth.

Additionally, Anodyne Electronics Manufacturing Corp. certifies the equipment is capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

Re: Tait Communications TMBB1A Part 90 operation on frequencies in the 150.8-162.0125 MHz, 173.2 -173.4 MHz bands.

To the reviewing Engineer

This letter supports the statements claimed above and defines the Tait TMBB1A Radio body operation in the AEM PMR MPT136D (FCC ID: ZC7-MTPB1GN).

Section 90.203 (i) (5) states: Applications for Part 90 certification of transmitters designed to operate on frequencies 150.8-162.0125 MHz and 173.2-173.4 MHz bands, received on or after Jan 01, 2011, must include a certification that the equipment meets the spectrum efficiency standards of one voice channel per 6.25 kHz of channel bandwidth. Additionally, if the equipment is capable of transmitting data, has transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

AEM certifies the Tait TMBB1A is defined to operate in those bands and data rates. The TMBB1A has its own Part 90 certification and FCC license that shows that it meets these operating parameters. It supports the 6.25 kHz voice and data cases. AEM has validated that our implementation did not impact performance (mask, emissions and audio) from the TMBB1A radio body, and our repackaging had no detrimental affects on the base TMBB1A radio body performance.

The Tait certified radio model is the TMBB1A, FCC ID: CASTMBB1A.

Please contact me if you require any additional information.

Sincerely,

Signature

Name: Trevor Lynch-Staunton
Title: Chief Technology Officer
Company: Anodyne Electronics Manufacturing
Phone: 1-250-763-1088 Ext 346

Date

Jan 11, 2024

email: trevor.staunton@aem-corp.com

**Anodyne Electronics
Manufacturing Corp.**

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