



SOLVING A WAVE OF EMI COMPLIANCE PROBLEMS

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Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Rd.
Columbia, MD 21046

Reference FCC ID: LLB2017020

Organization: Aclara Technologies, LLC.

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St. Louis, MO 63146

STATEMENT CONCERNING COMPLIANCE WITH SECTION 90.203(J)(5)

Introduction

Section 90.203 (j)(5) of the Commission's Rules on transmitters provides, in pertinent part: If the equipment [421-512 MHz bands] is capable of transmitting data and has an overall bandwidth of 6.25 kHz or more, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of bandwidth.

Justification

The model 2017-020 radio transceiver submitted is used as a part of a utility meter reading system. The 2017-020 transmitter sends data with a 2GFSK modulation at a rate of 7232 bps. The emissions designator is 9K66F1D.

As the 2017-020 does transmit at 7232 bps with a bandwidth of 7.4 kHz (or 977 bps/kHz), it is capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of bandwidth.

Authorized Signature

A handwritten signature in black ink that reads 'Joseph Strzelecki'.

Joseph Strzelecki
Senior EMC Engineer
Radiometrics Midwest Corporation
Authorized Agent for Aclara Technologies, LLC.