



Federal Communications Commission
Authorization and Evaluation Division

Note regarding application for certification of FCC ID: R4UARCFLEXPRO2

ADVANCED RADIOTECH CORPORATION control products are used in industrial applications where safe operation is critical. As such, all compatible receiver radio products come equipped with safety features to prevent un-commanded motion of the equipment being controlled. Any un-intended motion could result in serious injury or even death to others. For instance, if the operator moves out of radio range, the controlled machine stops receiving messages, and a safety relay opens to de-power the equipment being controlled remotely. Without polling in this application, the equipment remains powered when the radio link is lost, and serious injury or death could result.

Typical international industry standards call for radio-controlled equipment to be powered by redundant emergency stop safety relays¹. These relays must remove power from the equipment being controlled within a max. of 2 seconds of no communication with the controlling device¹. In order to maintain this communication link, polling of the link status is required. ARC wishes to make use of 15.231(a)(3) and 15.231(a)(4) which allows operation during the pendency of the alarm condition in order to prevent serious injury or death to others.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Jou", is written over a horizontal line.

Tom Jou

ADVANCED RADIOTECH CORPORATION

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¹ BS EN 13557:2003+A2:2008 annex C.3