



Testing Tomorrow's Technology

January 19, 2016

Timco Applications Examiner

RE: FCC PART 15 PERMISSIVE CHANGE for Radio Systems Inc
FCC ID: B7MTR-6000TIS-WB

Dear Applications Examiner:

Radio Systems Inc is requesting a Class 2 Permissive Change to add an audio filter that will meet recently updated Part 90.242 (b)(8) requirements which relaxes the filter from 3 kHz to 5 kHz and requires use of a new roll-off curve to maintain the required 50 dB attenuation at 20 kHz. These updates also allow placement of the filter ahead of the TIS transmitter in addition to current filter placement requirements.

The attached test report and submittal documents includes test data that shows that the audio filter used by Radio Systems Inc in this TIS transmitter design will meet the requirements above.

These filters are outboard 5 kHz filters installed at the audio input of the TIS equipment with deactivated 3 kHz filters. A deactivation procedure is included in the submittal documents.

In order to keep the filter design confidential, a list of the approved filters to be used with this TIS system is included in the Theory of Operation exhibit.

Schematics and Block diagrams of the filter and TIS system are included in the submittal package.

Please review the information provided and let us know if there are any other requirements.

Best Regards,

A handwritten signature in dark ink, appearing to read 'Sandi McEnery', is written over a light blue horizontal line.

Sandi McEnery
Agent for Radio Systems Inc.

3505 Francis Circle, Alpharetta, GA 30004
PH: 770-740-0717 Fax: 770-740-1508
www.ustech-lab.com