



Testing Tomorrow's Technology

July 30, 2018

Subject: FCC 15.207, FCC 15.209, and RSS-Gen Class 2 PERMISSIVE CHANGE for Radio Systems Corporation; FCC ID: KE3-3003079 and IC: 2721A-3003079

The purpose of this report is to file for a Class II permissive change for the following reasons:

The Shields Plus, Model RAC00-15373 firmware was changed to transmit a signal of different modulation. The 7K and 10K frequencies stayed the same. Instead of the OOK modulation that transmits a digital code to the collar that would generally cause activation, this version of the product generates a signal that prevents the collar from activating. The masking signal modulation is about 42% duty cycle and 105Hz. Generating the higher duty cycle "masking" signal with this hardware platform has not been tested before.

There is no increase in the output power, no RF Exposure condition changed, the device remains the same equipment class and there are no other changes to the device that indicate a need for a new FCC ID. The test report shows that the product continues to meet the applicable subpart for CFR 47, Part 15.207, 15.209, and RSS Gen.

See the test report and additional submittal exhibits for details.

Best Regards,

A handwritten signature in cursive script that reads 'Sandi McEnergy'.

Sandi McEnergy
Agent for Radio Systems

3505 Francis Circle, Alpharetta, GA 30004

PH: 770-740-0717 Fax: 770-740-1508

www.ustech-lab.com