



Angel Aerial Systems, Inc.
10385 Spartan Dr, Cincinnati, OH 45215
+1 513 628 8830

FEDERAL COMMUNICATIONS COMMISSION

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Subject: Request for Class II Permissive Change.

Date: 03/11/2026

Dear Regulatory Authority,

This is to request a Class II Permissive Change for the above-referenced device.

The original FCC ID (2BUWQHP900) was granted on March 10th, 2026 and authorizes a 900 MHz Spread Spectrum OEM wireless module under Part 15.247 for mobile configurations with specified antenna types and installation conditions.

Angel Aerial Systems requests approval of a Class II Permissive Change to permit integration of the module into a portable handheld Ground Controller (Model V1.0).

Description of Changes:

1. Portable Configuration – Reduced Separation Distance

The original grant required installation providing a minimum separation distance of 35 cm from all persons.

The module is now integrated into a handheld portable device with a minimum separation distance of 13.08 cm from the user during normal operation.

An RF exposure evaluation has been performed in accordance with FCC 47 CFR §2.1093. The evaluation demonstrates that the device is exempt from SAR requirements at the declared separation distance.

The SAR Exemption Report is attached to this filing.

RF exposure evaluation for the approved Ground Controller application was performed using an average duty cycle of 25% representative of the normal operating conditions of this application.

2. Co-location with Additional Transmitters

The module is co-located within the same host device with the following certified transmitters:

- FCC ID: 2BUWQ18PMDDL2450
- FCC ID: 2BUWQ-MT7922A12L

Simultaneous transmission of multiple radios may occur during normal operation.

Evaluation under FCC multi-transmitter product procedures has been performed. RF exposure assessment confirms compliance under simultaneous transmission conditions.

Radiated spurious emissions testing of the complete host system has been performed and demonstrates continued compliance with FCC Part 15 requirements.

Applicable RF exposure and EMC reports are attached.



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3. Antenna Change

The module is integrated using the following antenna configurations:

Antenna 1:

Model: 535-AANE-WH-0039-1-ND

Gain: 1.8 dBi

Antenna 2:

Model: ANT-916-CW-RH

Gain: -1.3 dBi

The antenna type, gain, and installation have been evaluated in the host configuration. Radiated emissions and RF exposure compliance have been verified under this configuration.

No increase in maximum conducted output power has been made relative to the originally authorized grant conditions.

Justification

We confirm that:

- The fundamental operating characteristics of the transmitter remain unchanged.
- The operating frequency range, modulation type, and maximum conducted output power remain within the originally authorized parameters.
- No new modulation types have been introduced.
- No increase in maximum output power has been implemented.
- The changes are limited to integration conditions, portable device classification, antenna configuration, and collocation evaluation.

The device continues to comply with:

- FCC Part 15.247
- FCC §2.1093 SAR exemption criteria
- FCC multi-transmitter product procedures

Sincerely,

Signature: *William Hasting*

Printed Name: William Hasting

Title: CEO