

# **ADAPTRUM**

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July 30, 2012

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Rd.  
Columbia, MD 21046

Ref: FCC Class II Permissive Change for FCC ID: A2UACRS10  
Original Grant Date: 4/19/2012  
Applicant: Adaptrum, Inc.

Dear Examiner:

This is to request a Class II Permissive Change for FCC ID: A2UACRS10, originally granted on 4/19/2012, to allow the ACRS 1.0 radio to operate with 2 additional types of antennas: bowtie antenna with backplane reflector and print-circuit-board omni-directional bowtie antenna.

The changes filed under this application are:

- 1) Part 15 Subpart H radiated tests were conducted on ACRS 1.0 radio connected to an Antenna Direct DB2E antenna. The DB2E antenna is a bowtie antenna with a backplane reflector and has maximum antenna gain of 11.8 dBi between 470 MHz and 700 MHz.
- 2) Part 15 Subpart H radiated tests were conducted on ACRS 1.0 radio connected to a print-circuit-board (PCB) omni-directional bowtie antenna. The PCB bowtie antenna has maximum antenna gain of 2.3 dBi between 400 MHz and 700 MHz.

Sincerely,



Haiyun Tang  
CEO  
Adaptrum, Inc.