

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WE9XMO

(Call Sign)

XD MO

(Class of Station)

0398-EX-ST-2010

(File Number)

NAME WCA Holdings III, LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:
See attached narrative.

Station Locations

(1) MOBILE: CONUS

Frequency Information

MOBILE: CONUS

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.47 GHz	MO	2M56G7D 160KG7D 5M12G7D	38.5 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) POINTS OF COMMUNICATION: Horizons 1, Galaxy 17, and Telstar 14

This authorization effective September 07, 2010 and
will expire 3:00 A.M. EST February 16, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) WCA agrees to the following conditions to ensure that its single Ku-band aircraft earth station ("AES") terminal installed on a WCA-owned aircraft:
- (i) WCA will not operate the AES terminal while on the ground within 125 km of the two TDRSS earth stations at Whites Sands, New Mexico (32.5430N, 106.6121W and 32.5008N, 106.6086W) or the TDRSS Guam site (13.5881N, 144.8410E); and
 - (ii) WCA will not operate the AES terminal while airborne within radio line-of-sight ("RLOS") distance of the above sites, as calculated in accordance with the following formulas: $RLOS (km) = 1.609 \times (\text{Sq Root } (2 \times \text{aircraft altitude } (h) \text{ in feet})) + 15$, and $RLOS (miles) = \text{Sq Root } (2 \times h) + 9$.