

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG9XIM

(Call Sign)

0207-EX-ST-2013

(File Number)

NAME Broad Comm Inc.

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:

To provide ground support for a cross country flight of a solar powered aircraft between April 1, and August 30, 2013.

Station Locations

- (1) MOBILE: Moffett Federal Airfield, Mountain View, CA, within 5 km, centered around NL 37-24-35; WL 122-03-07
- (2) MOBILE: Dulles Airport 1 Saarinen Cir, Sterling, VA, within 5 km, centered around NL 38-57-11; WL 77-26-53
- (3) MOBILE: JFK Airport, Jamaica, NY, within 5 km, centered around NL 40-38-39; WL 73-46-57
- (4) MOBILE: Sky Harbor Airport 3400 E Sky Harbor, Phoenix, AZ, within 5 km, centered around NL 33-26-08; WL 112-00-25
- (5) MOBILE: DFW Airport 3200 E Airfield Dr, Grapevine, TX, within 5 km, centered around NL 32-52-53; WL 97-03-36
- (6) MOBILE: Lambert International Blvd, St Louis, MO, within 5 km, centered around NL 38-44-26; WL 90-21-54
- (7) MOBILE: 2600 Maynard H. Jackson Jr Blvd, Atlanta, GA, within 5 km, centered around NL 33-38-28; WL 84-25-05

This authorization effective April 01, 2013 and
will expire 3:00 A.M. EST September 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Moffett Federal Airfield, Mountain View, CA, within 5 km, centered around NL 37-24-35; WL 122-03-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Moffett Federal Airfield, Mountain View, CA, within 5 km, centered around NL 37-24-35; WL 122-03-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: Dulles Airport 1 Saarinen Cir, Sterling, VA, within 5 km, centered around NL 38-57-11; WL 77-26-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Dulles Airport 1 Saarinen Cir, Sterling, VA, within 5 km, centered around NL 38-57-11; WL 77-26-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: JFK Airport, Jamaica, NY, within 5 km, centered around NL 40-38-39; WL 73-46-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: JFK Airport, Jamaica, NY, within 5 km, centered around NL 40-38-39; WL 73-46-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: Sky Harbor Airport 3400 E Sky Harbor, Phoenix, AZ, within 5 km, centered around NL 33-26-08; WL 112-00-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Sky Harbor Airport 3400 E Sky Harbor, Phoenix, AZ, within 5 km, centered around NL 33-26-08; WL 112-00-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	

Frequency Information

MOBILE: Sky Harbor Airport 3400 E Sky Harbor, Phoenix, AZ, within 5 km, centered around NL 33-26-08; WL 112-00-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: DFW Airport 3200 E Airfield Dr, Grapevine, TX, within 5 km, centered around NL 32-52-53; WL 97-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: DFW Airport 3200 E Airfield Dr, Grapevine, TX, within 5 km, centered around NL 32-52-53; WL 97-03-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: Lambert International Blvd, St Louis, MO, within 5 km, centered around NL 38-44-26; WL 90-21-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Lambert International Blvd, St Louis, MO, within 5 km, centered around NL 38-44-26; WL 90-21-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (ERP)	

MOBILE: 2600 Maynard H. Jackson Jr Blvd, Atlanta, GA, within 5 km, centered around NL 33-38-28; WL 84-25-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.52 MHz	MO	12K5F3E	2 W (ERP)	
151.67 MHz	MO	12K5F3E	2 W (ERP)	

Frequency Information

MOBILE: 2600 Maynard H. Jackson Jr Blvd, Atlanta, GA, within 5 km, centered around NL 33-38-28; WL 84-25-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
152.9 MHz	MO	12K5F3E	2 W (ERP)	
153.005 MHz	MO	12K5F3E	2 W (ERP)	
154.49 MHz	MO	12K5F3E	2 W (ERP)	
154.54 MHz	MO	12K5F3E	2 W (ERP)	
158.415 MHz	MO	12K5F3E	2 W (ERP)	
159.495 MHz	MO	12K5F3E	2 W (ERP)	
159.81 MHz	MO	12K5F3E	2 W (ERP)	
160.17 MHz	MO	12K5F3E	2 W (ERP)	
2230 MHz	MO	10M0D7W	250 mW (ERP)	
2270 MHz	MO	10M0D7W	250 mW (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) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Operation is subject to prior coordination with the local Society Broadband Engineers (SBE) frequency coordinator in each proposed area to protect the Broadcast Auxiliary Service operations in the nearby areas.