

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WI9XOG

(Call Sign)

0734-EX-ST-2015

(File Number)

NAME Harris CapRock Corporation

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 develop and test new earth stations to communicate with a Ka-band nongeostationary satellite orbit and C- and Ku-band geostationary satellite orbit fixed-satellite service systems.

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-01-51; WL 80-35-56
- (2) Houston (HARRIS), TX - NL 29-35-54; WL 95-20-50
- (3) Melbourne (BREVARD), FL - NL 28-05-15; WL 80-38-10
- (4) Miramar (BROWARD), FL - NL 25-58-18; WL 80-18-04
- (5) Malabar (BREVARD), FL - NL 27-58-47; WL 80-33-23

Frequency Information

Melbourne (BREVARD), FL - NL 28-01-51; WL 80-35-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6425 MHz	FX	1M00G7D 20M0G7D	409 kW (ERP)	
14000-14500 MHz	FX	1M00G7D	1.02 MW (ERP)	

This authorization effective July 21, 2015 and
will expire 3:00 A.M. EST January 21, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Melbourne (BREVARD), FL - NL 28-01-51; WL 80-35-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	FX	20M0G7D	1.02 MW (ERP)	
27600-28400 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	
28600-29100 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Houston (HARRIS), TX - NL 29-35-54; WL 95-20-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6425 MHz	FX	1M00G7D 20M0G7D	409 kW (ERP)	
14000-14500 MHz	FX	1M00G7D 20M0G7D	1.02 MW (ERP)	
27600-28400 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	
28600-29100 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-15; WL 80-38-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6425 MHz	FX	1M00G7D 20M0G7D	409 kW (ERP)	
14000-14500 MHz	FX	1M00G7D 20M0G7D	1.02 MW (ERP)	
27600-28400 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	
28600-29100 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Miramar (BROWARD), FL - NL 25-58-18; WL 80-18-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6425 MHz	FX	1M00G7D 20M0G7D	409 kW (ERP)	
14000-14500 MHz	FX	1M00G7D 20M0G7D	1.02 MW (ERP)	
27600-28400 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Frequency Information

Miramar (BROWARD), FL - NL 25-58-18; WL 80-18-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28600-29100 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Malabar (BREVARD), FL - NL 27-58-47; WL 80-33-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6425 MHz	FX	1M00G7D 20M0G7D	409 kW (ERP)	
14000-14500 MHz	FX	1M00G7D 20M0G7D	1.02 MW (ERP)	
27600-28400 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	
28600-29100 MHz	FX	1M00G7D 40M0G7D	4.7 MW (ERP)	

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) POINTS OF COMMUNICATION: IS-903, IS-701, Galaxy 28, Galaxy 12, Telstar 11N, Telstar 12, Galaxy 25, Eutelsat 115WB, and O3b Satellite Constellation.