

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE9XIQ

(Call Sign)

0191-EX-ST-2010

(File Number)

NAME Inmarsat Hawaii 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 (i) conduct technical demonstrations using BGAN class 7 terminals with an aeronautical low-gain antenna (LGA); and (ii) conduct measurements of signal strength received at the Hawaii

Station Locations

(1) MOBILE:within 25 km, centered around NL 21-40-10; WL 158-01-59

Frequency Information

MOBILE:within 25 km, centered around NL 21-40-10; WL 158-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525-1544 MHz	MO	12K5G1W 50K0G1W 200KD1W	16.26 W (ERP)	
1545-1559 MHz	MO	12K5G1W 50K0G1W 200KD1W	16.26 W (ERP)	

This authorization effective May 19, 2010 and
will expire 3:00 A.M. EST June 20, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE:within 25 km, centered around NL 21-40-10; WL 158-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1645.5 MHz	MO		16.26 W (ERP)	
		25K0G1W		
		50K0G1W		
		100KG1W		
		50K0D1W		
		100KD1W		
		200KD1W		
1646.5-1660.5 MHz	MO		16.26 W (ERP)	
		25K0G1W		
		50K0G1W		
		100KG1W		
		50K0D1W		
		100KD1W		
		200KD1W		

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) POINT OF COMMUNICATION: INMARSAT 4F3 Satellite.
- (3) Inmarsat, Inc. shall notify MSV prior to commencing operations and identify its point of contact.
- (4) Inmarsat must notch M1544-M1545 and M1645.5-M1646.5 bands from transmission.
- (5) The band M1660-M1660.5 must have prior coordination with the National Radio Astronomy Observatory facility in Hawaii. Please contact Mr. Dan Mertely at email dmertely@nrao.edu.
- (6) All emissions must be confined to within the bands requested so that interference to GPS does not occur.