

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

EXPERIMENTAL

(Nature of Service)

WD9XSW

(Call Sign)

XD MO

(Class of Station)

0009-EX-ST-2009

(File Number)

NAME EMBRAER - Empresa Brasileira de Aeronautica S.A.

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:**

Performing low level coupling High Intensity Radiated Field (HIRF) testing comprising low level swept current (LLSC) and low level swept field (LLSF) tests.

**Station Locations**

- (1) MOBILE: Fort Lauderdale (BROWARD), FL, around aircraft test site, within 0.1 km, centered around NL 26-04-21; WL 80-09-10

**Frequency Information**

MOBILE: Fort Lauderdale (BROWARD), FL, around aircraft test site, within 0.1 km, centered around NL 26-04-21; WL 80-09-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
510-2173 kHz	FX	NON	100 W (ERP)	
2191-13360 kHz	FX	NON	100 W (ERP)	
13410-25550 kHz	FX	NON	100 W (ERP)	

This authorization effective March 23, 2009 and will expire 3:00 A.M. EST April 24, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Fort Lauderdale (BROWARD), FL, around aircraft test site, within 0.1 km, centered around NL 26-04-21; WL 80-09-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25.67-38 MHz	FX	N0N	100 W (ERP)	
38.25-73 MHz	FX	N0N	100 W (ERP)	
75.5-108 MHz	FX	N0N	100 W (ERP)	
137-224 MHz	FX	N0N	100 W (ERP)	
400-405 MHz	FX	N0N	100 W (ERP)	
410-608 MHz	FX	N0N	100 W (ERP)	
614-960 MHz	FX	N0N	100 W (ERP)	
1427-1558 MHz	FX	N0N	100 W (ERP)	
1611-1660 MHz	FX	N0N	100 W (ERP)	
1670-1910 MHz	FX	N0N	100 W (ERP)	

## Frequency Information

MOBILE: Fort Lauderdale (BROWARD), FL, around aircraft test site, within 0.1 km, centered around NL 26-04-21; WL 80-09-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1915-2309 MHz	FX	N0N	100 W (ERP)	
2396-2690 MHz	FX	N0N	100 W (ERP)	
2901-4990 MHz	FX	N0N	100 W (ERP)	
5000-7124 MHz	FX	N0N	100 W (ERP)	
8501-8999 MHz	FX	N0N	100 W (ERP)	
9201-10680 MHz	FX	N0N	100 W (ERP)	
10700-15350 MHz	FX	N0N	100 W (ERP)	
15400-18000 MHz	FX	N0N	100 W (ERP)	

## Special Conditions:

- (1) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.

## Special Conditions:

- (4) 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.
- (5) Operation is subject to prior coordination with affected existing Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (6) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (7) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (8) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (9) Operation is not permitted on the emergency, distress and calling frequencies 4340 kHz and 8364 kHz.
- (10) Testing on AM frequencies (540 kHz-1700 kHz) must be restricted to daytime hours (between local sunrise and local sunset).
- (11) Licensee must reduce power or cease testing operation immediately if complaints of interference are received from licensed AM and FM broadcast stations.
- (12) The local FCC Field Office must be notified of testing and given the contact information of the licensee's technical point-of-contact, as well as the date(s) of testing.
- (13) In order to minimize the potential for interference complaints, the licensee should avoid testing on AM and FM frequencies in local use.
- (14) Operation is subject to prior coordination with the International Municipal Signal Association (IMSA) for affected existing fire and medical Public Safety licensees below 512 MHz and with the Association of Public-Safety Communications Officials, Inc. (APCO) for affected police Public Safety licensees below 512 MHz.
- (15) Operation is subject to prior coordination with the International Municipal Signal Association (IMSA) or the Association of Public-Safety Communications Officials, Inc. (APCO) for affected Public Safety licensees in the 4940-4990 MHz band and the 700 MHz and 800 MHz bands.
- (16) Operation requires consent of local Specialized Mobile Radio (SMR) licensee(s) to avoid interference.

Special Conditions:

- (17) The following frequencies must be notched to prevent harmful interference to Federal Government operations:

2336 kHz +/- 3 KHz  
74.6-75.4 MHz (Inclusive)  
138.7875 MHz +/- 12.5 KHz  
143.7875 MHz +/- 12.5 KHz  
156.8000 MHz +/- 12.5 KHz  
156.6000 MHz +/- 12.5 KHz  
148.3750 MHz +/- 12.5 KHz  
148.9750 MHz +/- 12.5 KHz  
141.0000 MHz +/- 12.5 KHz  
162.5500 MHz +/- 25 KHz  
167.9250 MHz +/- 12.5 KHz  
168.8000 MHz +/- 12.5 KHz  
170.3750 MHz +/- 12.5 KHz  
173.0750 MHz +/- 12.5 KHz  
225-399 MHz (Inclusive)  
409.3250 MHz +/- 12.5 KHz  
409.5125 MHz +/- 12.5 KHz  
410.0750 MHz +/- 25 KHz  
410.6250 MHz +/- 12.5 KHz  
411.3500 MHz +/- 12.5 KHz  
418.3250 MHz +/- 12.5 KHz  
418.5125 MHz +/- 12.5 KHz  
1559-1610 MHz (Inclusive)  
2700-2900 MHz (Inclusive)  
7125-8500 MHz (Inclusive)  
9000-9200 MHz (Inclusive)