

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

KK2XCE
(Call Sign)

XD FX
(Class of station)

S-2705-EX-96
(File number)

NAME SUNAIR ELECTRONICS, INC.

Ft. Lauderdale, FL: 26-04 NL, 80-09 WL
(Location of station)

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

(See Page 2 for Particulars of Operation)

Purpose of Operation: Test and evaluation of digital antenna coupler.

Special Condition: 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.

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 by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective November 13, 1996 and
will expire 3:00 A.M. EST. March 1, 1997





S 2705 EX. 96

Federal Communications Commission
Feeable Correspondence
P. O. Box 358305
Pittsburgh, PA 15251-5305

September 24, 1996

Dear Sir: Sunair Electronics designs and manufactures High Frequency Single Sideband Radio equipment for use by U.S. Government agencies and the Department of Defense.

Sunair is currently designing a new 1 kW MF-HF Digital Antenna Coupler. During the design and test phase of this product Sunair will use laboratory non-radiating antenna simulators to evaluate the performance of the coupler. However, it is also necessary to evaluate the antenna coupler on live antennas such as a whips and end-fed wires to ensure that the product performance specifications are satisfied.

To conduct these live antenna tests, Sunair requests from the FCC, Special Temporary Authority (STA) to operate on a selection test frequencies in the Medium and High Frequency spectrum. The STA application information required by FCC PR-5000 is provide in line items 1 through 14.

- (1) Name and Address: Sunair Electronics, Inc.
3101 SW 3 Avenue
Fort Lauderdale, FL 33315
Phone: (954) 525-1505, extension 86. Fax: (954) 765-1322
- (2) Description of Need: As described in paragraph two of this letter.
- (3) Type of Operation: Engineering Test.
- (4) How Facilities Will Be Used: As described in paragraph two of this letter.
- (5) Times and Dates of Operation: 24 hours per day maximum/ October 14, 1996 through January 31, 1997.
- (6) Class of Station and Radio Service: XD FX, Experimental. Call Sign: KK2XCE. File Number: 8061-EX-94. A copy of Sunair's station license is attached. *not!* *52508-96*
- (7) Location of Transmitter: Fort Lauderdale FL, N 26 04 00; W 80 09 00
- (8) Number of Fixed Transmitters: One (1).
- (9) Operating Frequencies: A selection of frequencies has been chosen from 47 CFR Part 2, United States Table, Fixed Mobile Frequency Segments. See attached, Sunair Electronics Frequency Selection Chart. This method of frequency selection was recommended by FCC Experimental Branch, Mr. Doug Young. Sunair recognizes that some of the selected frequencies may not be available.

SUNAIR ELECTRONICS, INC.
3101 SW THIRD AVENUE
FORT LAUDERDALE, FL 33315

FAX: (954) 765-1322

PHONE: (954) 525-1505

FACSIMILE TRANSMISSION

TO: FCC EXPERIMENTAL LICENSING BRANCH SHEET 1 OF 2

ATTN.: MR. CARL HUEY

DATE: NOVEMBER 12, 1996

FAX: (202) 418-1918

FROM: SKIP BUDDE
SYSTEM ENGINEERING MANAGER

SUBJECT: Antenna Coupler Experimental Test Frequencies

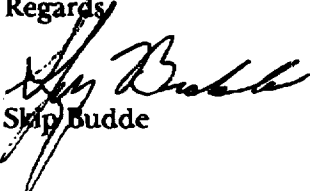
REFERENCE: Telcon, C. Huey and S. Budde, November 11, 1996 and Sunair STA application, September 24 and October 16, 1996.

MESSAGE: Dear Mr. Huey as you requested, attached is a reduced set (quantity 10) of desired operating frequencies. These frequencies are required to conduct antenna coupler testing as described in my September 24 STA application letter.

Mr. Huey, if you have any questions concerning this issue please feel to call me at (954) 525-1505 ext. 86 or Fax (954) 765-1322.

Sunair appreciates your assistance in this matter.

Regards,


Skip Budde

FEDERAL COMMUNICATIONS COMMISSION

Approved by OMB

3060-0589

Expires 2/28/97

FCC REMITTANCE ADVICE

PAGE NO. 1 OF

(RESERVED)

SPECIAL USE

FCC/MELLON

OCT 07 1996

FCC USE ONLY

(Read instructions carefully BEFORE proceeding.)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER

Did you have a number prior to this? Enter it.

(2) TOTAL AMOUNT PAID (dollars and cents)

\$ 45.00

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)

SUNAIR ELECTRONICS, INC

(4) STREET ADDRESS LINE NO. 1

3101 SW 3 AVE

(5) STREET ADDRESS LINE NO. 2

(6) CITY

FORT LAUDERDALE

(7) STATE

FL

(8) ZIP CODE

33315

(9) DAYTIME TELEPHONE NUMBER (Include area code)

(954) 525-1505

(10) COUNTRY CODE (If not U.S.A.)

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

SUNAIR ELECTRONICS

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID

KK2XCE

(13A) ZIP CODE

33315

(14A) PAYMENT TYPE CODE

P A L M

(15A) QUANTITY

1

(16A) FEE DUE FOR
PAYMENT TYPE CODE
IN BLOCK 14

\$ 45.00

(17A) FCC CODE 1

(18A) FCC CODE 2

(19A) ADDRESS LINE NO. 1

(20A) ADDRESS LINE NO. 2

(21A) CITY/STATE OR COUNTRY CODE

ITEM #2 INFORMATION

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

FCC USE ONLY

(12B) FCC CALL SIGN/OTHER ID

(13B) ZIP CODE

(14B) PAYMENT TYPE CODE

(15B) QUANTITY

(16B) FEE DUE FOR
PAYMENT TYPE CODE
IN BLOCK 14

\$

(17B) FCC CODE 1

(18B) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

CREDIT CARD PAYMENT INFORMATION

☐ Visa

Month Year

(22) I hereby authorize the FCC to charge my VISA or Mastercard for the service(s)/authorization(s) herein describe.

AUTHORIZED SIGNATURE

DATE

See public burden estimate on reverse.

FCC FORM 159
April 1994

FACSIMILE MESSAGE

FACSIMILE MESSAGE

FACSIMILE MESSAGE



**FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF ENGINEERING AND TECHNOLOGY**

2000 M STREET, N.W., SUITE 230
WASHINGTON, D.C. 20554

November 13, 1996 2 51 pm

FROM: Carl Huie

Telephone: (202) 418-2430
Fax #: (202) 418-1918

TO:

Name: Skip Budde
Organization: SUNAIR ELECTRONICS, INC.
Telephone: (954) 525-1505 X86
Fax #: (954) 765-1322

This cover sheet is page 1 of 3 pages

COMMENTS:

License in mail.