ORIGINAL

R&E

ROBERTS & ECKARD, P.C.

ATTORNEYS AT LAW

1150 CONNECTICUT AVENUE, N.W., SUITE 1100

WASHINGTON, D.C. 20036

TELEPHONE
(202) 296-0533

TELEFAX
(202) 296-0464

JAMES S. BLITZ
JOY R. BUTLER
PAMELA C. COOPER
ANATOLIO B. CRUZ III*
LINDA J. ECKARD
KENNETH M. KAUFMAN
MARY L. PLANTAMURA
LAWRENCE ROBERTS
PETER D. SHIELDS
MARK VAN BERGH**

*ADMITTED IN PA ONLY
**OF COUNSEL

May 24, 1996

Mr. H. Franklin Wright
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
2000 M Street N.W., Room 230
Washington, D.C. 20554

Re: Experimental Station K12XIE
Corbin City (Atlantic City), New Jersey
File Nos. 4264-EX-PL-94 and 4426-EX-ML-94

Dear Mr. Wright:

Transmitted herewith, on behalf of Orion Broadcasting Systems, Inc. ("Orion"), is the eighth status report required pursuant to a condition placed on the above-referenced Experimental Station license.

This report describes testing procedures scheduled for the Experimental Station license. This test will provide Orion's technicians with more data, permitting them to better understand the microwave signal and ensure improved picture quality for the system. The attached description, provided by Orion's technical director Joseph Mignogna, further describes the tests and supports the instant status report.

Should further questions arise in connection with this matter or the enclosed, please communicate directly with the undersigned.

Very truly yours,

James S. Blitz
Counsel to Orion Broadcasting Systems, Inc.

Enclosure

EXHIBIT "A" TEST SHEET

Technician Name:
Meter Used:
Test setup (DRAW ON BACK)

DATE / /

TEST PROCEDURES
All test will be made with the same type screen and feed horn. The equipment for this test will be a Pacific Monolythics integrated feed horn and 25" screen. If a different antenna is to be used in different locations the feed horns will have to be tested on the bench to assure that they all have the same gain. The following information will be put on the test sheet. All information will be designated by a number. Each test will consist of a 10 digit number.

1st. NUMBER - THE TEMPERATURE.
2nd. NUMBER = CONSIST OF TYPE OF DAY
1. = SUNNY AND CLEAR
2. = RAIN
3. - OVERCAST
4. = CLEAR SKY BUT FOGGY
5. = OTHER

3rd. NUMBER = TIME OF YEAR
1. SUMMER
2. FALL
3. = WINTER
4. = SPRING

4th. NUMBER = MONTH
1. JANUARY
2. FEBRUARY
3. MARCH
4. APRIL
5. MAY
6. JUNE
7. JULY
8. AUGUST
9. SEPTEMBER
10. OCTOBER
11. NOVEMBER
12. DECEMBER

5th. NUMBER = TIME OF DAY (USE 24 HOUR GMT TIME TO THE NEAREST HOUR)

6th. NUMBER = ANTENNA USED
1. CAL-AMP YAGI
2. PACIFIC MONOLYTHICS 25 SCREEN WITH 32DB GAIN INTEGRATED FEED HORN.
3. PACIFIC MONOLYTHICS VAGI

NOTE: CHECK WITH THE TECHNICAL DIRECTOR TO MAKE SURE WHAT ANTENNA IS BEING USED FOR THE TEST.

7th. NUMBER = METER READING IN DB
8th. NUMBER = ANTENNA HEIGHT ABOVE GROUND 9th. NUMBER = OVER ALL PICTURE QUALITY
1. EXCELLENT
2. GOOD
3. FAIR
4. POOR
5. OTHER

10th. NUMBER COMMENT
1. NO COMMENT
2. COMMENT (WRITE ALL COMMENTS ON BACK OF SHEET)

REPORT =

EXAMPLE 85-1-1-8-14-2-18-20-1-1

This accumulative test over the next year will help to identify Propagation of the Microwave frequencies 2.5 to 2.686 ghz spectrum using a 64 quam Digital signal. In the enviroment mentioned below.

The reason for this particular test is to gather as much data as possible to supply installation technicians with as much knowledge as posible under various conditions during the year to better understand the characteristics of the Micrwave signal. This will insure consistent picture quality. This will also help identify problems and how to rectify them. This will ensure a better installation and picture quality for the customer and decrease down time to a minimun.

The Orion service area is ideal for these test due to the different terrain, such as sandy beaches, bays, wetlands and inland the pine barrens. Each of these areas have a different reaction to the MICROWAVE signal. Drastic changes in temperature from morning to night and also time of year, temperatures changes depending on a sea breeze or a breeze from inland, either cooling or heating the air causing temperature inversion. The characteristics of a digital signal under these conditions.

Some things that will come from these test are as follows.
1. What time of year is the worst invirоment for signal and how can it be overcome.
2. What kind of problem does the above conditions cause as far as reflected digital signal and what can be done to rectify these problems. Especially with a reflected signal.
3. What is the best receiving equipment for the different conditions to rectify the poblems.

The test will not be solely or limited to the above testing.
A test sheet will be implemented and is marked a exhibit A

These test were to be started the end of March but due to the availability of the Comstream Model 720m 64 quam modulator this test will not commence until the second week in July when the equipment will become available.

Joseph R. Mignogna Jr.
Technical Director