

MEASUREMENT REPORT

Radio Frequency Radiation Measurements

Auxiliary Transmitter Site

KJFA FM) 105.1 MHz
Santa Fe, New Mexico
Facility ID 7051

Date:
January 15, 2008

Prepared By:
Andrew C. Kiska
Engineering Manager
Univision Radio New Mexico, Inc.
8009 Marble Ave. NE
Albuquerque, NM 87110
(505) 254-7180

ENGINEERING STATEMENT

This report has been prepared by Andrew C. Kiska, Engineering Manager for Univision Radio New Mexico, Inc. for Univision Radio License Corporation, Licensee of KJFA (FM) 105.1 MHz Santa Fe, New Mexico, and Permit File Number BXPB-20050714ACV.

The Auxiliary site is located on the roof of an eighteen (18) story building known as the "Bank of the West Building" located at 5301 Central Ave NE Albuquerque, NM 87108. The transmitter is a Broadcast Electronics FM 1C1. The transmitter antenna is a Nicom BKG/77 2 bay FM located on a 4-inch diameter pole mounted approximately 10 feet above the highest point in the center of the roof. The roof access is controlled by the building security and access is limited. The roof is divided into two (2) areas, lower and upper, and the access to a spiral staircase that leads to the upper roof is protected by a 10 foot chain link fence with a gate. A warning sign is attached to the gate warning of RF hazards.

On January 15, 2008 I traveled to the site to perform the required measurements between the hours of 14:30 and 15:30 PM. Measurements were taken at 17 individual points around the roof area (see fig. 1). Measurements at the site were made using a Narda Model 8718B Broadband Field Strength Meter, Serial # 4103, and a Narda Probe Model A8742D, serial number 02802 of which both were last calibrated on January 14, 2007. The probe is frequency shaped to reflect the Occupational/Controlled Exposure Limits as outlined in the National Council on Radiation Protection, (NCRP), NCRP-86 Standard and ANSI/IEEE Standard C95.1-1991 which is the current guidelines for human exposure to radiofrequency radiation established by the Federal Communications Commission. These guidelines specify the Maximum Permissible Exposure, (MPE), levels that vary with the frequency of the source of radiofrequency, thus allowing the meter to correctly measure the total exposure from the various emitters at the site and reads directly in Percent of the Standard, therefore, measurements presented in the report are in "Percent of Standard."

Radio Frequency Radiation Procedures & Measurements

RFR Measurement data points at the site were acquired with the KJFA (FM) transmitter operating into the Nicom BKG/77 antenna with an Effective Radiated Power, (ERP), of 0.150 kW as authorized in the Construction Permit

Climate conditions at the site were dry and 36 degrees F.

RFR measurements were spatially averaged over a 10 second period from Ground Level to 1.9 meters above ground. While access to the roof is controlled by security, it is likely that untrained personnel will have access to the roof on a limited basis. Therefore, measurements were taken using both the "Occupational/ Controlled" and "General Public/Uncontrolled" standards at seventeen (17) individual locations on the roof (see fig. 1). The average and Peak values were recorded (see fig. 2). The roof is divided into two (2) areas with an upper and lower area that are separated by approximately 25 feet in vertical height.

The main air-conditioning chilling equipment is located on the lower level with the transmitting antennas for this station and microwave and cellular antennas located primarily on the upper level. This stations antenna is located on a pole approximately 10 feet above the top of the landing of the spiral staircase that leads to the upper roof level.

I declare under penalty of perjury the contents of this report are true and accurate to the best of my knowledge and belief.

January 15, 2008

Andrew C. Kiska
Engineering Manager
Univision Radio, New Mexico Inc.
8009 Marble Ave. NE
Albuquerque, NM 87110
Office: (505) 254-7180

Bank of the West Building
5301 Central Ave. NE
Albuquerque, NM 87108
RFR Grid

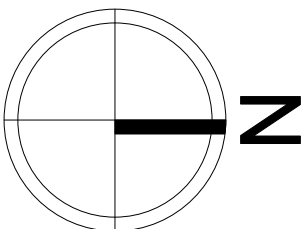
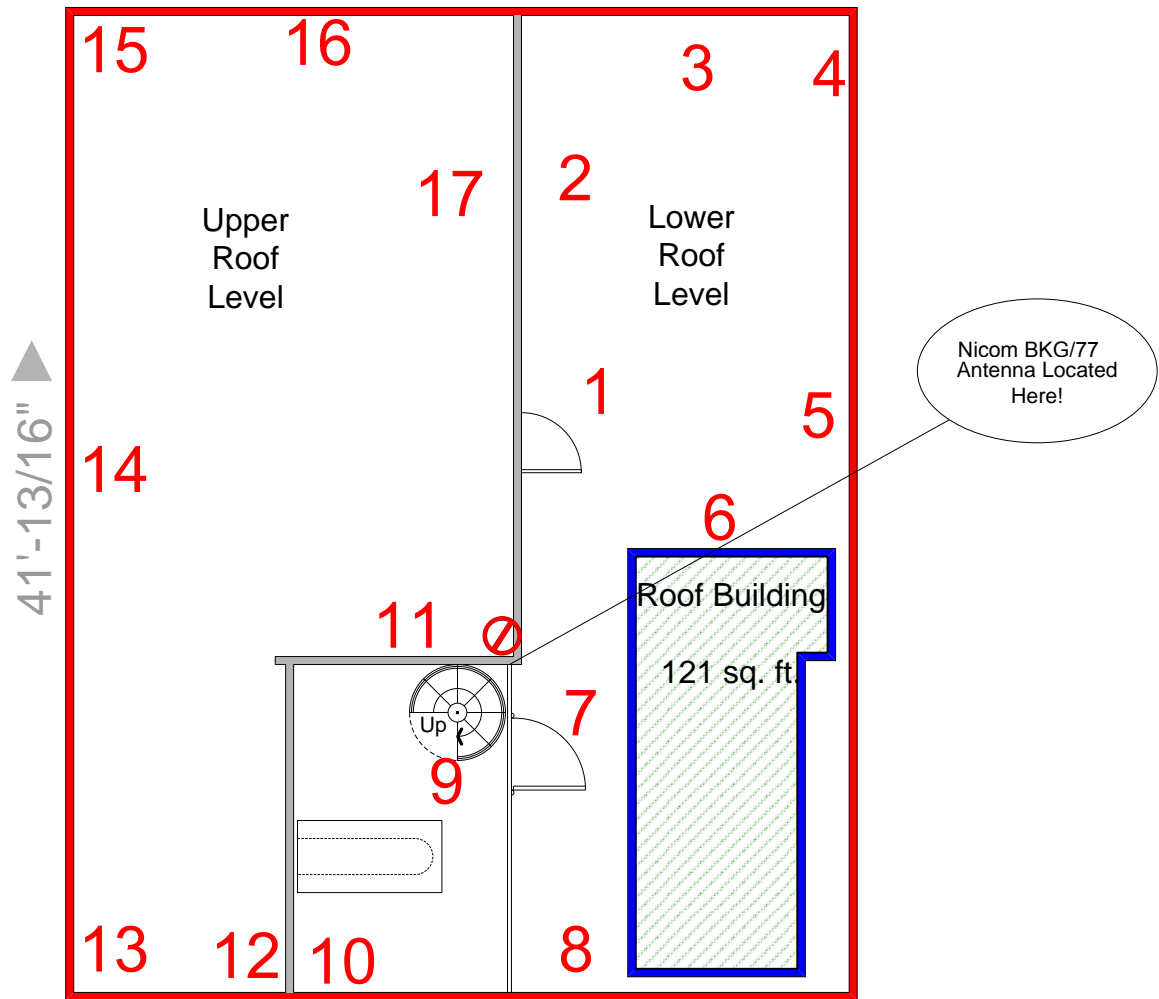


Figure # 1

KJFA**RFR Measurements****at 0.150 kW ERP**

<i>Referece #</i>	<i>Occupational %</i>	<i>Occupational %</i>
	<i>Average</i>	<i>Peak</i>
1	1.406	1.612
2	0.825	0.9937
3	0.9375	1.2
4	1.05	1.743
5	0.6187	1.012
6	0.3	0.5062
7	1.2932	2.625
8	1.668	2.381
9	0.2812	0.9187
10	0.1125	0.375
11	1.143	3.056
12	1.1	0.5625
13	0.1562	0.2819
14	0.151	0.4978
15	0.1625	0.8182
16	0.7875	1.025
17	0.6425	1.215