

MEASUREMENT REPORT

Radio Frequency Radiation Measurements

Auxiliary Transmitter Site

KIOT (FM) 102.5 MHz
Los Lunas, New Mexico

Date:
May 15, 2009

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 Albuquerque Trust, Bob Woodward Trustee, Licensee of KIOT (FM) 102.5 MHz Los Lunas, New Mexico, Permit File Number BXPB-20050714AC6.

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 transmit antenna is a Nicom BKB/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 April 3, 2009 I traveled to the site to perform the required measurements between the hours of 13:30 and 15:30. Measurements were taken at 17 individual points around the roof area (see fig. 1) and at 5 points inside the building (see figs. 2 & 3). Interior Point # 5 is in front of the elevators and is the point most accessible to the general public. Measurements at the site were made using a Narda Model 8718 Broadband Field Strength Meter, Serial # 01427 calibrated on July 1, 2008, and a Narda Probe Model A8761, serial number 10005 calibrated on June 13, 2008. 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 mW/cm^2 .

Radio Frequency Radiation Procedures & Measurements

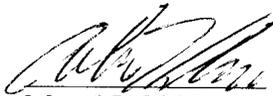
RFR Measurement data points at the site were acquired with the KIOT (FM) transmitter operating into the Nicom BKB/77 antenna with an Effective Radiated Power, (ERP), of 0.950 kW as authorized in the Construction Permit

Climate conditions at the site were dry and 54 degrees F.

RFR measurements were spatially averaged over a 10 second period from Ground Level to 1.9 meters above ground. Measurements were taken using the “Occupational/Controlled” standards at seventeen (17) individual locations on the roof and the Average and Peak values were recorded (see fig. 1). The roof is divided into two (2) areas with an upper and lower area that are separated by approximately 25 feet in vertical height. Five additional points were measured inside the building and the Average and Peak values were recorded (see Table 1) Diagrams of the exterior of the roof and interior of the building are provided in figures 1, 2 and 3.

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 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.



May 15, 2009

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

KIOT Auxillary Site
5301 Central Ave NE
Albuquerque, NM 87108

Diagram Point	Average mW/cm2	Maximum Reading
Figure # 1	mW / cm²	mW / cm²
1	0.05	0.08
2	0.044	0.143
3	0.35	0.6
4	0.0793	0.12
5	0.025	0.041
6	0.0225	0.029
7	0.0625	0.15
8	0.328	0.59
9	0.0406	0.078
10	0.0468	0.065
11	0.111	0.45
12	0.04	0.062
13	0.0406	0.081
14	0.0531	0.081
15	0.0437	0.076
16	0.0606	0.088
17	0.022	0.0652
Diagram Point		
Figure # 2		
1	0.0168	0.029
2	0.0212	0.036
3	0.025	0.038
4	0.02	0.046
Figure # 3		
5	0.0181	0.025

Table # 1

**Bank of the West Building
5301 Central Ave. NE
Albuquerque, NM 87108
RFR Measurement Points**

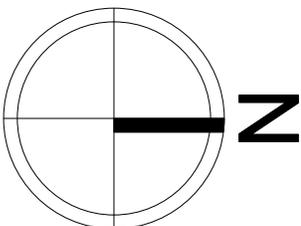
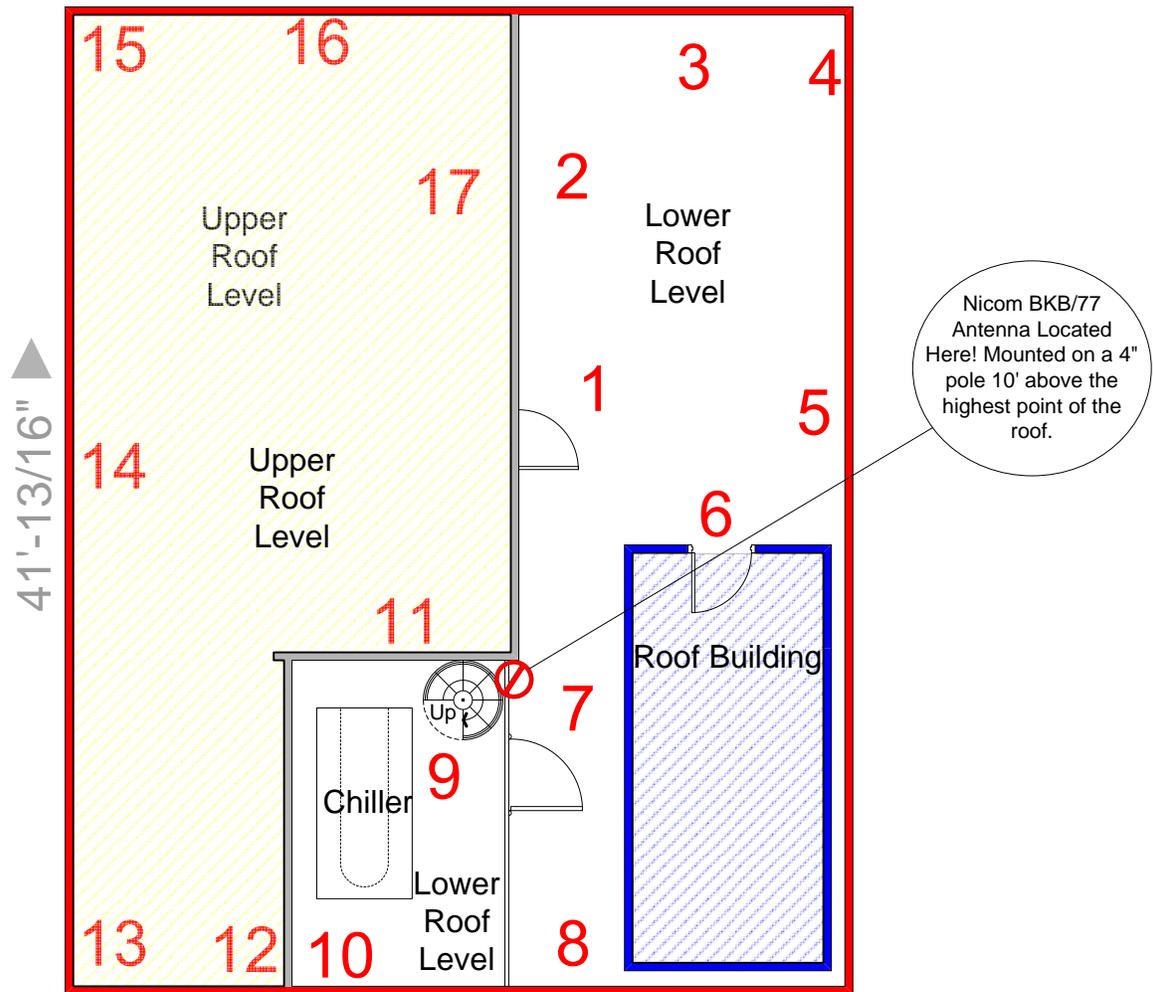
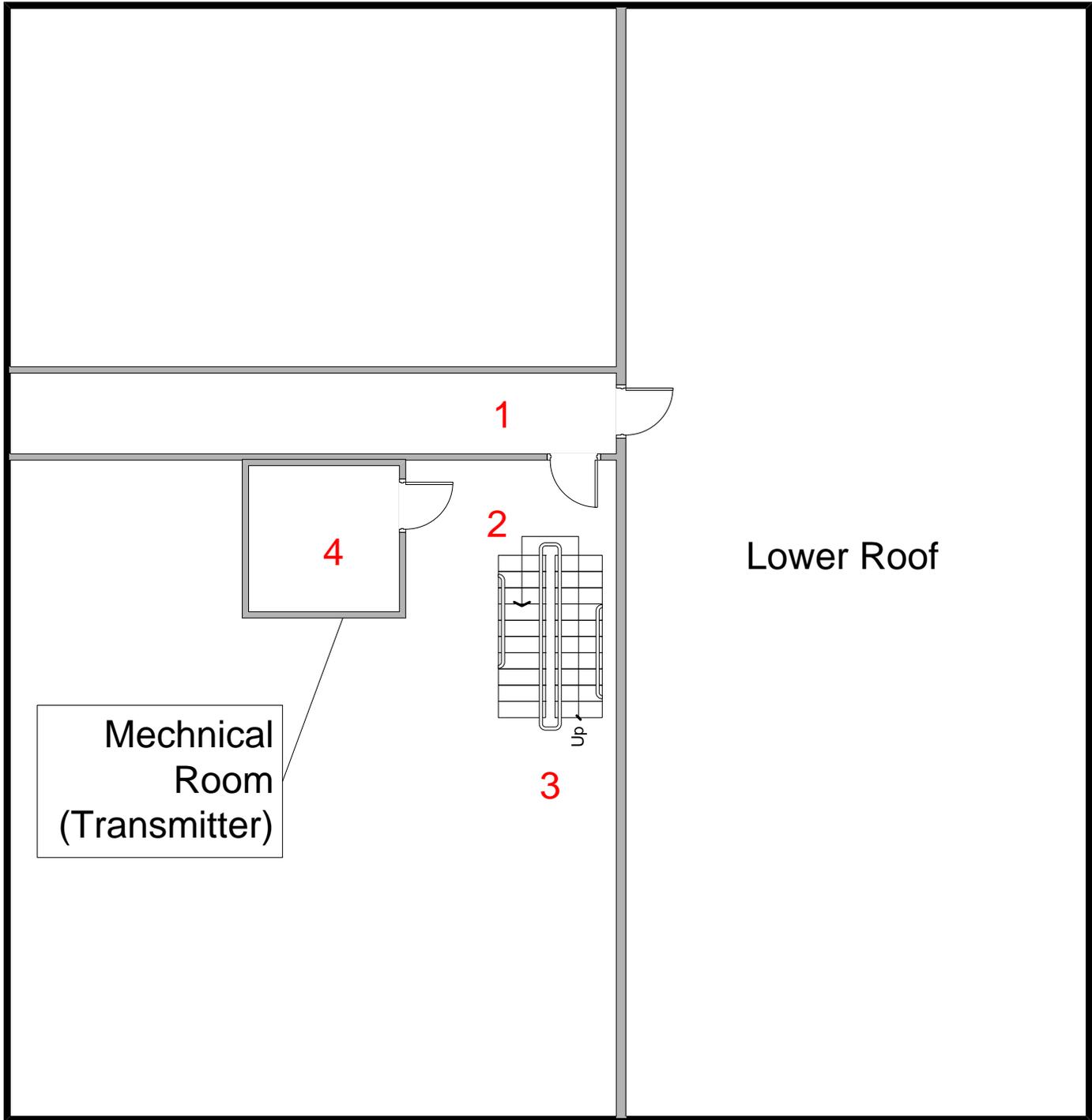


Figure # 1

**Bank of the West Building
5301 Central Ave. NE
Albuquerque, NM 87108
RFR Measurement Points
Interior Points Above 17th
Floor**



Lower Roof

Mechanical
Room
(Transmitter)

Area above the 17th Floor
Roof Access



Figure # 2
Note: Drawing Not to Scale

**Bank of the West Building
5301 Central Ave. NE
Albuquerque, NM 87108
RFR Measurement Points
Interior Points 17th Floor**

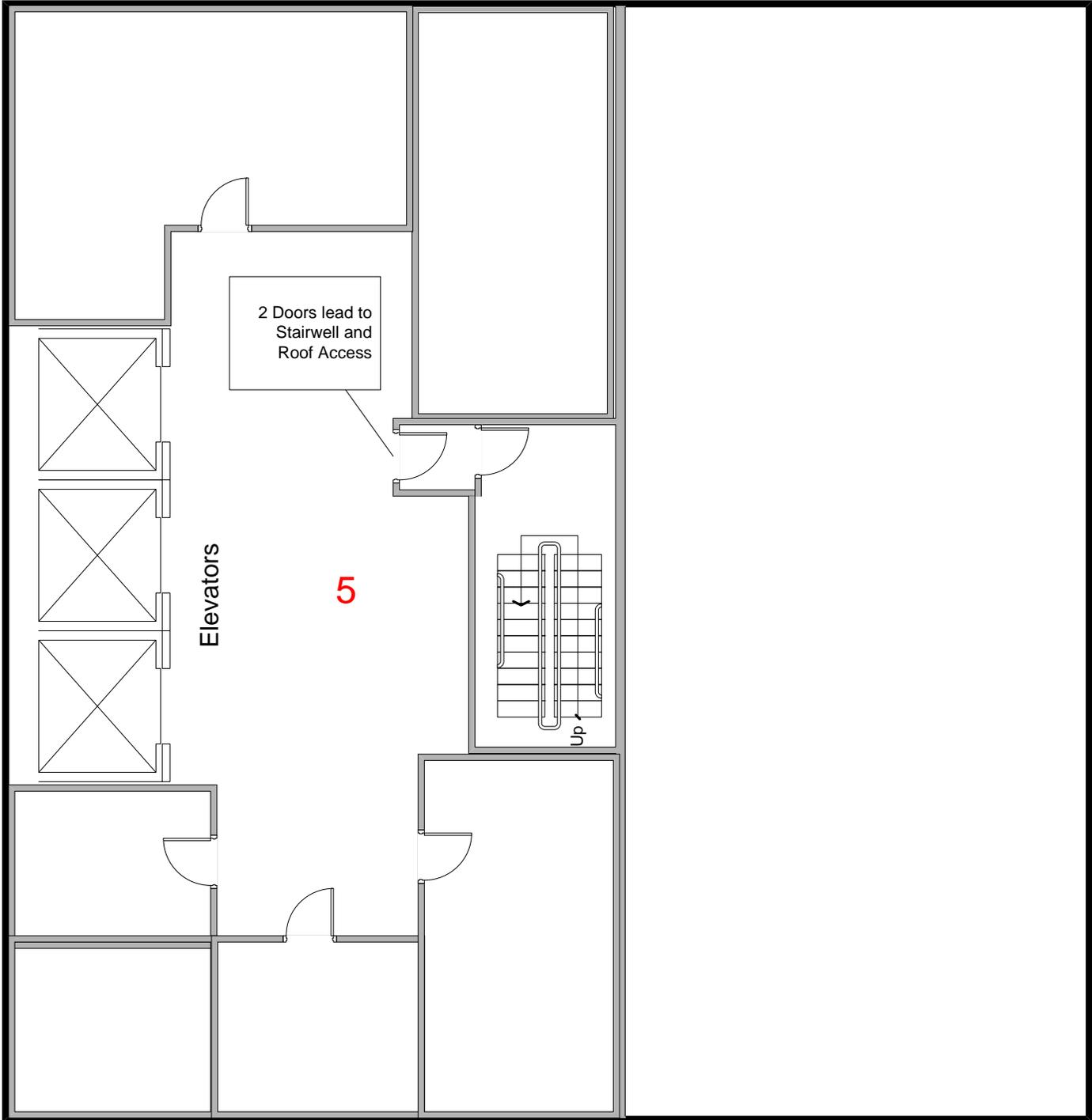


Figure # 3
Note: Drawing Not to Scale