



Radiofrequency Monitoring Report

Location: Edison High

Performed By: Andrew Tinklenberg, EH&S Safety Specialist

Date Performed: 6/26/23

Introduction/Background:

Testing was conducted to review the radiofrequency (RF) levels present in and around select areas of the school and gym building to verify that the levels are below Federal Communications Commission (FCC) limits for the general population/uncontrolled exposure (see the below table for the FCC limits). Wireless communication systems (cell transmitting equipment) are present at this site and are mounted to one of the light poles along the west side of the athletic field. Testing was performed using a Trifield® Model TF2 meter capable of measuring RF levels in the 20 MHz – 6 GHz range with a range of 0.001 – 19.999 milliwatts per square meter (mW/m²).

Frequency Range (MHz)	Power Density/RF Levels (mW/m ²)
30-300	2,000 *

* - Limit for maximum permissible exposure for the general/uncontrolled population expressed in mW/m². Information taken from [FCC Resolution 19-126](#).

Results/Findings:

The results of the testing found that the FCC radiofrequency limit was not exceeded at any point and levels were well below the standards set for the general population. (See Tables #1 & #2 on the following pages for the results of the testing.)

Remarks:

It should be noted that RF levels are known to fluctuate due to a number of factors (RF generating sources present, distance from a source, objects creating interference, etc.). For this reason, the measurements in this report represent the average range of RF levels that were found to be present in the listed area at the time/date of the testing.

If you have any questions regarding this information, please feel free to contact me. Thank you,

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Table #1 – Edison (Main Building) Radiofrequency Testing Results

Area/Location	RF Levels (mW/m ²) *	Notes/Comments
Exterior North Side of Building	<5.0	
Exterior Northeast Corner of Building	<1.0	** Pole-mounted city transmitter
Exterior East Side of Building	<1.0	
Exterior South Side of Building	<5.0	
Ground Floor	<0.1	
First Floor (North, East, South)	<0.1	
First Floor – Room 127	<0.5	
First Floor – Office 100A	<0.5	
Second Floor – Room 203	<1.0	
Second Floor – Room 231	<1.0	
Second Floor – Room 228	<0.5	
Second Floor (North, East, South)	<0.1	
Third Floor (North, East, South)	<0.5	
Third Floor – Room 303	<5.0	
Third Floor – Room 302	<5.0	
Third Floor – Room 331A	<2.0	
Third Floor – Room 331	<5.0	
Third Floor – Room 329A	<2.0	
Third Floor – Room 327	<5.0	

* - Average RF levels did not exceed the level shown.

** - Cell tower/transmitter equipment is in relative proximity to this area.



Table #2 – Edison (Gym Building) Radiofrequency Testing Results

Area/Location	RF Levels (mW/m ²) *	Notes/Comments
Exterior East Side of Building	<5.0	
Exterior North Side of Building	<10.0	
Exterior West Side of Building	<20.0	
Exterior South Side of Building	<15.0	
Athletic Field – South End	<10.0	**
Athletic Field – Central	<10.0	**
Athletic Field – North End	<10.0	**
Bleachers – North End	<20.0	**
Bleachers – Central	<20.0	**
Bleachers – South End	<15.0	**
Base of Tower/Light Pole	<10.0	**
Gym (Interior)	<5.0	

* - Average RF levels did not exceed the level shown.

** - Cell tower/transmitter equipment is in relative proximity to this area.