



Radiofrequency Monitoring Report

Location: Southwest High

Performed By: Andrew Tinklenberg, EH&S Safety Specialist

Date Performed: 6/30/23

Introduction/Background:

Testing was conducted to review the radiofrequency (RF) levels present in and around select areas of the school 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 equipment is present at this site and is mounted to a southcentral penthouse rooftop of the building. 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 Table #1 on the following page 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 – Southwest Radiofrequency Testing Results

Area/Location	RF Levels (mW/m ²) *	Notes/Comments
Exterior East Side of Building	<0.5	
Exterior South Side of Building	<5.0	**
Exterior West Side of Building	<5.0	**
Exterior North Side of Building	<0.5	
East Wing – Basement	<0.01	
East Wing – Ground Floor	<0.01	
East Wing – First Floor	<0.01	
Central Wing – First Floor	<0.1	
Central Wing – Second Floor	<0.1	
Central Wing – Third Floor	<0.1	
West Wing – Third Floor – Room W322	<0.5	
West Wing – Third Floor – Room W320	<0.5	**
West Wing – Third Floor – Auditorium	<0.5	**
West Wing – Third Floor – Room W319	<0.5	**
West Wing – Third Floor – Room W318	<0.5	**
West Wing – Third Floor – Room W317	<0.1	**
West Wing – Third Floor – Room W309	<0.5	**
West Wing – Second Floor – South End	<0.1	
West Wing – Second Floor – Room W214	<1.0	
West Wing – Second Floor – Room W215	<1.0	
West Wing – First Floor – South End	<0.1	
West Wing – First Floor – Gym	<0.1	

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

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