



## Radiofrequency Monitoring Report

**Location:** Southwest High

**Performed By:** Andrew Tinklenberg, EH&S Safety Specialist

**Date Performed:** 7/22/25

### 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) exposure limits for the general/uncontrolled population (see the below table for the FCC limits). Wireless communication equipment is present at this site and is mounted to the 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/m<sup>2</sup>).

| Frequency Range (MHz) | Power Density/RF Levels (mW/m <sup>2</sup> ) * |
|-----------------------|------------------------------------------------|
| 30 – 300              | 2,000                                          |

\* 30-minute average maximum permissible exposure (MPE) limit for the general public/uncontrolled population expressed in mW/m<sup>2</sup>. While some RF transmitting equipment may operate at frequencies outside of the 30-300 MHz range, the MPE limits are greater for frequencies in those ranges. Information taken from [FCC Resolution 19-126](#).

### Results/Findings:

The results of the testing confirmed that the FCC radiofrequency limits were 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<br>(mW/m <sup>2</sup> ) * | Notes/Comments |
|------------------------------------|-------------------------------------|----------------|
| Exterior West Side of Building     | <5.0                                | **             |
| Exterior North Side of Building    | <1.0                                |                |
| Exterior East Side of Building     | <1.0                                |                |
| Exterior South Side of Building    | <1.0                                | **             |
| East Wing – Lower Level            | <0.01                               |                |
| East Wing – Ground Floor           | <0.01                               |                |
| East Wing – First Floor            | <0.01                               |                |
| Central Wing – First Floor         | <0.05                               |                |
| Central Wing – Second Floor        | <0.1                                |                |
| Central Wing – Third Floor         | <0.1                                |                |
| West Wing – Third Floor Corridor   | <0.5                                | **             |
| West Wing – Third Floor W318       | <0.5                                | **             |
| West Wing – Third Floor W316       | <0.1                                | **             |
| West Wing – Third Floor W320       | <0.1                                | **             |
| West Wing – Third Floor Auditorium | <0.5                                | **             |
| West Wing – Second Floor           | <0.1                                |                |
| West Wing – Second Floor Wrestling | <0.5                                |                |
| West Wing – Second Floor Dance     | <0.5                                |                |
| West Wing – First Floor            | <0.5                                |                |
| West Wing – First Floor North      | <0.05                               |                |
| West Wing – First Floor Gym        | <0.5                                |                |

\* - Average RF levels were below the level shown.

\*\* - Cellular transmitting/communication equipment is in relative proximity to this area.