Non-BDA Option for Schools

Vehicular Repeater Systems (VRS) are a common solution for providing extended portable radio coverage into rural areas or into buildings for first responders. Pyramid's SVR series repeaters are among the most widely used VRS units for solving portable radio coverage issues.

The Challenge: There are many times where BDA (in building fixed bi-directional amplifier and DAS systems) are cost prohibitive or simply too complex in solving in-building portable radio coverage issues. So, what's the alternative? Vehicular Repeaters have been widely used in solving in-building coverage issues. Particularly, in school buildings, there is a need to provide portable radio coverage for both school administration and public safety while on campus.

By installing a Pyramid SVR repeater on a campus, in a fixed location, organizations can provide a low-cost alternative to the BDA model by extending coverage onto the campus for portable radios users. This can include everything from School users, EMS to Fire, Police or other support personnel needing emergency access to communicate direct needs from the campus when cell towers may be jammed, and when their portable walkie-talkie might not have the reach outside of the school to reach their dispatcher.

The in-vehicle / local portable radio repeater offers similar coverage (testing can be done to confirm coverage prior to purchase) typically a minimum of 1 mile, and up to 2 miles from the SVR's antenna location to the portable radios in use.

As you can see in the **diagram**, the SVR connects to the mobile radio. The mobile radio can be a fixed mount on campus, with an antenna located to ensure strong coverage to the district or regional communication system used by public safety professionals. The SVR acts as a bridge between the low-power 3-4 watt portable radios (walkie-talkies) and the 45-100 watt mobile radio.

Pyramid products are designed and built here in the US. We offer demo units set up to work with your radio system. Wherever our portable radio range extenders are used, Pyramid provides a cost-effective proven solution with 10's of thousands of units deployed in the most sensitive, critical situations, locally, regionally and nationally.

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