

# Bendigo

## Council Discussions

Discussions with Rod Flavell from the Bendigo Shire council indicated that the council would be willing to pay \$1-\$3K p.a. in running costs for an SBS FM radio service. They indicated that the coverage area of interest was the city region only.

## List of Potential Sites

### High Power Solution

Broadcast Australia Site at Mt Alexander.  
Southern Cross Site at Mt Alexander

### Low/Medium Power Solution

Big Hill Broadcast Site  
Specimen Hill CETV site  
White Hills Telstra Tower on Council land  
Adam St. Council Depot  
Southern Cross Studios in Lily St.

## Preferred Site

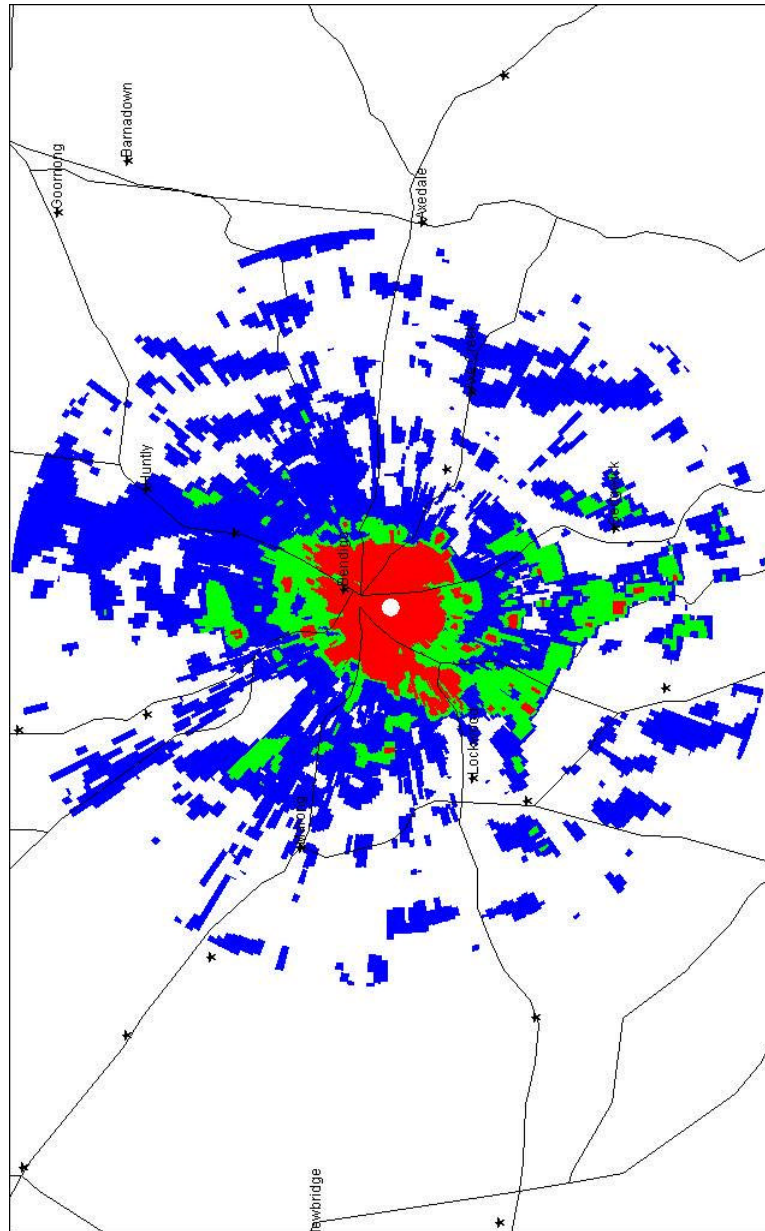
It is unlikely that a medium or high power site will be available. Therefore the preferred site is at the council owned depot in Adam St. The site has an existing roof mast however this would not be suitable for an FM antenna. A 20m light duty steel pole will give enough height above the surrounding terrain to give suitable coverage. The equipment can be located within the depot. A vertically polarised transmission with ERP of 200W and an omnidirectional pattern will give an urban grade of service to most of the Bendigo metropolitan area. The remainder of the metropolitan area will be supplied a suburban and rural grade of service. See attached coverage map. The coverage map was produced using Pathloss 4.0 prediction software and Auslig 9 second terrain data.

20m pole  
250W Stereo Transmitter  
Vertical Dipole antenna  
Satellite antenna  
Satellite Decoder  
Mounts etc  
Cable and connectors  
Racking  
Pole structural assessment  
Alignment and Installation<sup>1</sup>

1: Onsite install only. No travel costs included.



Adam St Depot



Adam St. Depot Coverage Map