

TV Reception Problem with Vertical Polarization areas.

Compiled and written by

Ronald H Tew

of

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THE WANDERING TEWS



About this Document.

It has become apparent that with the introduction of digital that Vertical Polarization areas, such as Maryborough/Wide Bay, are being a big bugbear for the travelling public, and this document will hopefully explain why.

Problem.

Most RV and caravan users travel with a TV aerial that is only, or primarily, a Horizontal aerial, such as Wineguard, those wind up ones.

Prior to the introduction of digital when these travellers have been in a Vertical Transmission area they would have likely received something, even though of poor quality, and accepted what they were receiving probably not realising they could get better with a vertical aerial.

Now that these travellers have bought a digital TV or STB they are finding it hard to receive digital signals.

Reason.

It is a simple fact that in most cases an aerial in the Horizontal position will not receive enough digital signal from a Vertical transmission for the digital receiver to recognise, *and vice-versa*, hence there will be no data received to enable viewing of any such channel, consequently no picture at all.

Solution.

1. If you have an aerial that is fixed in the Horizontal mode, eg. Wineguard, the only option I recommend is to obtain an additional back-up aerial that can be mounted Vertically and use it when this situation applies, most vans have an auxiliary aerial socket on the outside wall.
- **Note:** Those with Wineguard aerials should keep an eye out for modifications available for those aerials, as I believe the manufacturers are aware of the problem, or at least that is what they tell us, and are hopeful that a solution will be available soon. There is a different adaptor available now for these aerials for better UHF reception.
2. Some aerials can be turned round to the vertical mode, refer to unit instructions. Changes can be as simple as changing the 'U' bolt mounting on the pole.
3. Happy Wanderer aerials, those ones in white conduit, can be turned vertical but how, depends on the model. The later models have a screw joint just under the aerial proper to enable this to be done. Earlier models have an 'X' marked on one end cap of the aerial, this indicates that this is the end that can be removed and the aerial turned vertical then inserted into the mounting pole instead of on it.

Remember.

When one moves to another location it will have to be decided which polarisation is needed in that area, so changes may have to be made once again. *Sorry for the bad news about the extra work.*

For further information on TV transmission details refer to my web site www.wanderingtews.com and refer to the TV Reception page.

Other areas that may suffer the same problem, most are in the UHF band:

Northern Territory.

Bayu-Undan, Darwin City, Yuendumu, Yulara.

New South Wales.

Armidale area,
Ashford,
Balranald,
Bathurst,
Belmont North,
Bermagui,
Bombala,
Bouddi,
Bourke Town,
Braidwood,
Broken Hill,
Bungendore,
Byron Bay,
Canberra,
Captains Flat,
Cassilis,
Central Western Slopes,
Cobar,
Coffs Harbour North,
Condobolin,
Cooma,

Cooma/Monaro,
Crookwell,
Dalmeny,
Deniliquin,
Elizabeth Beach,
Forster,
Glen Innes,
Goulburn,
Harden,
Hillston,
Junee,
Khancoban,
Kotara,
Laurieton district,
Lightning Ridge,
Manning River,
Menindee,
Merimbula,
Merriwa,
Mount Kembla,
Mt Foster,

Mudgee,
Murrumbidgee Irrigation,
Murwillumbah,
Nowra north,
Peak Hill,
Picton,
Portland,
Port Stephens,
Stroud,
Taralga,
Tottenham,
Tumbarumba,
Ulladulla,
Uralla,
Vacy,
Walwa/Jingelic,
Warners Bay,
Woronora,
Wyong,

Queensland.

Alpha,
Anakie,
Babinda,
Bancroft,
Barcaldine,
Boonah,
Brisbane North West,
Brisbane South East,
Burketown,
Burnett Heads,
Cairns east,
Carmila,
Chilagoe,
Clairview,
Cooloola Cove,
Crows Nest,
Currumbin/Gold Coast,

Dirranbandi,
Dysart,
Elliot Heads,
Emu Park,
Eromanga,
Esk,
Eulo,
Flame Tree,
Gladstone east,
Goldsborough Valley,
Jericho,
Jundah,
Kooralbyn,
Longreach,
Miara CP,
Middlemount,
Mirriam Vale,

Mission Beach,
Monto,
Moonford,
Moore Park CP,
Moranbah district,
Moranbah Town
Mossman,
Mount Alford,
Mount Morgan,
Moura,
Murgon,
Murwillumbah,
Nanango,
Noosa,
Peregian Beach,
Point Arkwright,
Port Douglas,

Rathdowney,
Ravenshoe,
Sapphire/Rubyvale,
Sarina,
Springsure,
St Lawrence,

South Australia.

Burra,
Burra area,
Cape Jervis,
Coffin Bay,
Cowell,
Craigmore/Hillbank,
Eudunda,

Tasmania.

Binalong Bay,
Burnie,
Currie,
Dover,
Dover South,
Forth,
Geeveston (DUAL),
Gladstone,

Victoria.

Alexandra area,
Alexandra Environs,
Birchip,
Bonnie Doon,
Boolarra,
Broadford,
Charlton,
Cobden,
Cohuna,
Colac,
Corryong,
Dargo,
Eildon,
Falls Creek,

Western Australia.

Albany,
Augusta,
Blackstone,

Stonehenge,
Tara,
Theodore,
Tin Can Bay,
Toowoomba South,
Tully,

Lyndoch,
Maitland,
Morgan,
Myponga,
Normanville,
Pinnaroo,
Renmark,

Lileah,
Lilydale,
Meander,
Orford,
Penguin,
Port Sorell,
Queenstown, (DUAL)
Savage River,

Genoa,
Healesville,
Hopetoun,
Howqua,
Hunters Knob,
Inverloch,
Jeeralong/Yinnar South,
Kiewa,
Koondrook/Barham,
Mallacoota,
Melbourne Inner Suburbs
Monbulk,
Mt Cowley,
Nhill,

Carnamah,
Cervantes,
Fitzroy Crossing,

Wide Bay/Maryborough,
Willows,
Windorah,
Wyandra,
Yarraman,
Yowah,

Strathalbyn,
Streaky Bay,
The Gap,
Tumby Bay,
Victor Harbour,
Waikerie,

Smithton,
St Hellens,
St Marys,
Swansea,
Taroon,
Wynyard,

Ouyen,
Robinvale,
Rosebud,
South Yarra,
Tanybryn,
Tawonga south,
Terang,
Trafalgar/Yarragon,
Underbool,
Upwey,
Warrnambool,
Warrnambool Town,
Wye River,

Hopetoun,
Katanning,
Koorda,

Lake Grace,
Mandurah/Singleton,
Mandurah/Waroona,
Margaret River,

Nannup,
Narembeen,
Southern Agricultural
area/Albany,

Two Rocks, (DUAL)
Warburton,
Wongan Hills,