

New 10 GHz World Record

On 5 January there was a nice tropo opening across the Great Australian Bight (see overlaid Hepburn Chart below) which resulted in the following 10 GHz QSOs

VK6DZ to VK5KK 1920 km JT4f -14, -15 dB

VK6DZ to VK5DK 2062 km SSB 5/2, 5/7

VK6DZ to VK7MO 2732 km JT4f -15, -16 dB peaked later at -12 dB also SSB at 5/1, 3/1

The 2732 km contact is a new World Record exceeding the previous World Record of 2696 km from Southern Portugal to Cape Verde Island by 36 km.

- VK6DZ was portable at Torbay Hill 24 km West of Albany Western Australia, 10 watts 60 cm dish
- VK5KK was portable at Crafters 10 km South East of Adelaide, South Australia, 5 watts 75 cm dish
- VK5DK was portable at Mount Burr 40 km North West of Mt Gambier, 5.5 watts 60 cm dish
- VK7MO was portable Cape Portland North East Tasmania (a 700 km round trip from home in Hobart) 50 watts 77 cm dish

All stations GPS locked.

From the Esperance Radiosonde (further below) data the duct was at a height of 486 metres with a refractive gradient of -589 N units and thus much stronger than the -157 N units required for ducting. 70 cm signals were 5/9+ over the 2732 km path.

73 Rex VK7MO

