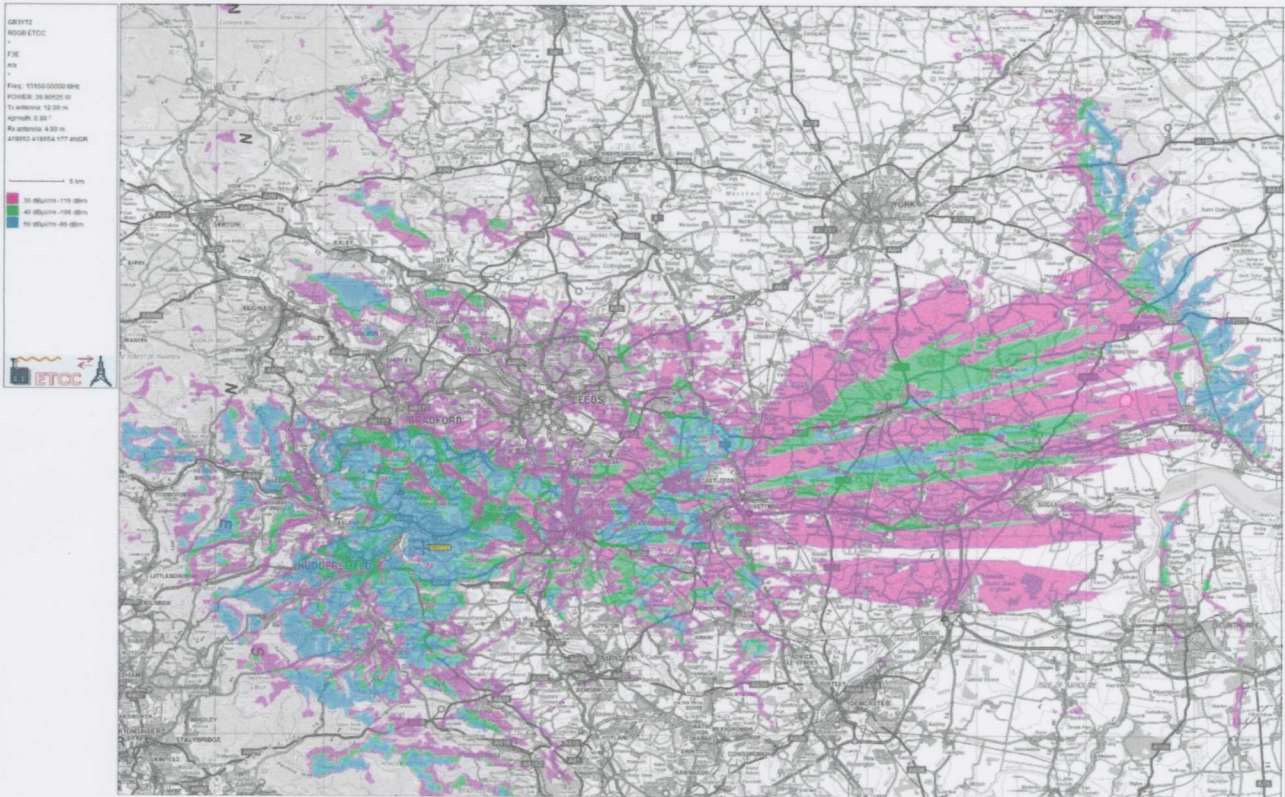


GB3YT ATV Repeater in W. Yorkshire



GB3YT is located in Mirfield West Yorkshire, receiving on 1276MHz Digital or Analogue, and Transmitting on 1316MHz Digital only (4Ms/s). The repeater has now been on air over a year, and recently been expanded to include analogue receive. It is owned and run by G8NZR and G8POK - we are not part of or affiliated to any clubs or organisations and voluntarily give up our time and resources to provide the repeater. If the repeater goes off-air for any reason, time and access for repairs could be limited, so please bear with us under these circumstances.

GB3YT is a simplex repeater with one input (either analogue or digital) and one digital output, so its use is limited (similar to normal voice repeaters) to one station transmitting through the repeater at once. Talkback on 2m is also re-transmitted on **GB3YT** audio channel when a valid video signal is being received along with the 118.8Hz CTCSS tone.

When using digital, please allow around 5 seconds at the beginning of an over for all the digital circuitry to lock onto your signal. Analogue circuitry will lock onto your video signal and switch the logic fairly quickly. You will know if access has been successfully made, as you will get a repeated audio ident plus 'K' and video **GB3YT** test card J from the repeater when you drop carrier. After approx 30 seconds, the repeater will switch back over to the outside camera or test card with ident overlay, and an audio **GB3YT** descriptive ident every 5 minutes.

GB3YT - Technical spec

Rx - 1276MHz Digital or Analogue
TX - 1316MHz Digital
2m Talkback - 144.750MHz (CTCSS 118.8Hz)
Analogue Sound - 6MHz sub-carrier
Digital sample rate - 4Ms/s
TX Power - 25w ERP
Antenna - Alford slot at 35ft AGL
Ground level - 550ft ASL
Location - Mirfield, West Yorkshire

Further information from our website www.gb3yt.co.uk

Thank you for your interest. Kay - G8NZR

Graham - G8POK