

## VE3SWR Repeater Facts

Licensee on behalf of the club: Tom VE3MAH

Location : 2138 Eagle Street North, Cambridge, On  
Latitude: 43 degrees 24 minutes 28 seconds North  
Longitude: 80 degrees 20 minutes 10 seconds West

Ground elevation (AMSL): 297 meters (975 feet)

Antenna Height above ground: 51.8 meters (170 feet)  
Sinclair 4 pole dipole SD224 series, 6dBd Omni directional pattern

Sinclair Q2330E Duplexer

Main repeater: Hamtronics REP200  
Maximum effective radiated power (ERP) 56 watts

Back-up repeater: Home built by VE3MAH  
Maximum effective radiated power (ERP) 55 watts

Minimum 12 hour uninterruptable power  
Alarm will sound if the mains power fails and the repeater is in backup power mode

Carrier access (open to all users)

Kerchunk Filter: (1.0 second of carrier required after a period of inactivity to open the squelch and turn on the transmitter)

CTCSS encode and decode: 131.8 Hz is available – not required for access

Identification: CW or Recorded Voice (interval set to 9 minutes)

CW tone set to 667 Hz

CW ID speed set to 18 wpm (approximate)

Courtesy beep delay after carrier drop is set to 1 second

Timeout timer set to 5 minutes (may be extended to 25.5 minutes if necessary)

Timeout timer is reset by courtesy beep or start of cw ID or voice ID

Tail time is set to 5 seconds (no need to wait for the tail to drop to reset)

New antenna being installed



Repeater

