

**FIGURE 2-B LONGLEY-RICE**

**CITY GRADE SERVICE TO  
BRISTOL village, VERMONT**

**C3 Upgrade-Mod**

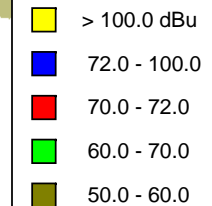
Latitude: 44-24-23 N  
Longitude: 073-08-13 W  
ERP: 8.70 kW  
Channel: 248  
Frequency: 97.5 MHz  
HAAT: 157.66 m  
AMSL Height: 292.0 m  
Elevation: 259.1 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: Longley/Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 311.0  
Receiver Ht AG: 10.0 m  
Receiver Gain: 0 dB  
Time Variability: 50.0%  
Sit. Variability: 50.0%  
ITM Mode: Broadcast

**Bristol village  
boundary**

**Locations with 72 dBu  
2.35 sq.km = 85.5%  
of city boundary**

**Longley-Rice  
72 dBu**

**Delta H = 395 m  
N-171.5-E**



Scale 1:24,000

