Figure 1

MAY 2011

33.5 m
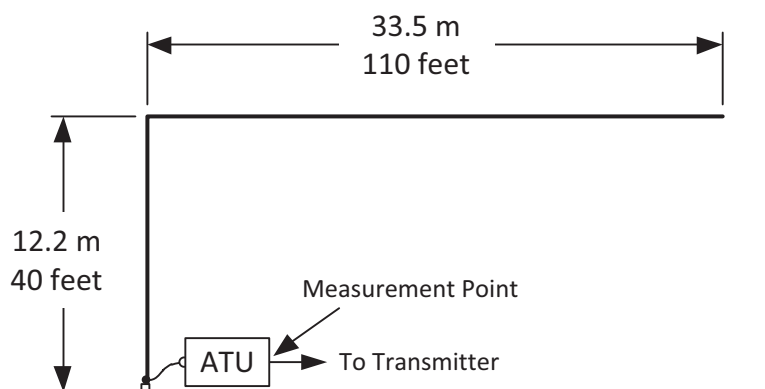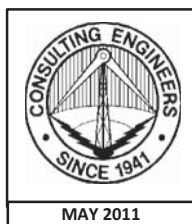110 feet

12.2 m
40 feet

Measurement Point

ATU → To Transmitter

Not to Scale

Impedance = 38 – j 70 ohms
Current = 5.1 Amps
Power = 1000 watts

Theoretical Effective Field (at One Kilometer for One Kilowatt) = 278 mV/m

Note: The calculated efficiency is based upon the conventional 'top loading' model outlined in the FCC Rules, which would over-estimate the actual efficiency of the proposed antenna.

Coordinates(NAD 27)
    35-45-38 N
    78-39-24 W

PROPOSED ANTENNA

RADIO STATION WCLY
RALEIGH, NORTH CAROLINA
1550 KHZ   1 KW-D   ND

du Treil, Lundin & Rackley, Inc. Sarasota, Florida