TECHNICAL EXHIBIT
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR
STATION KTVW-DT
PHOENIX, ARIZONA
CH 33 196 KW (MAX-DA) 510 M

Technical Statement

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna is located 77 meters above ground level. The maximum DTV ERP is 196 kW (horizontal polarization) and 49 kW (vertical polarization). A "worst-case" vertical plane relative field value of 0.1 (for angles below 60 degrees downward) is assumed for the antenna's downward radiation (see Figure 2 attached). The calculated power density at a point 2 meters above ground level is 0.015 mW/cm^2. This is 3.7% of the FCC's recommended limit of 0.39 mW/cm^2 for channel 33 for an "uncontrolled" environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect with the other stations in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure.

Finally, it is noted that this technical exhibit only addresses the potential for radio frequency electromagnetic field exposure. All other aspects of the

environmental processing analysis will be or already has been provided to the FCC by the tower owner as part of the tower registration process.



Thomas J. Howell

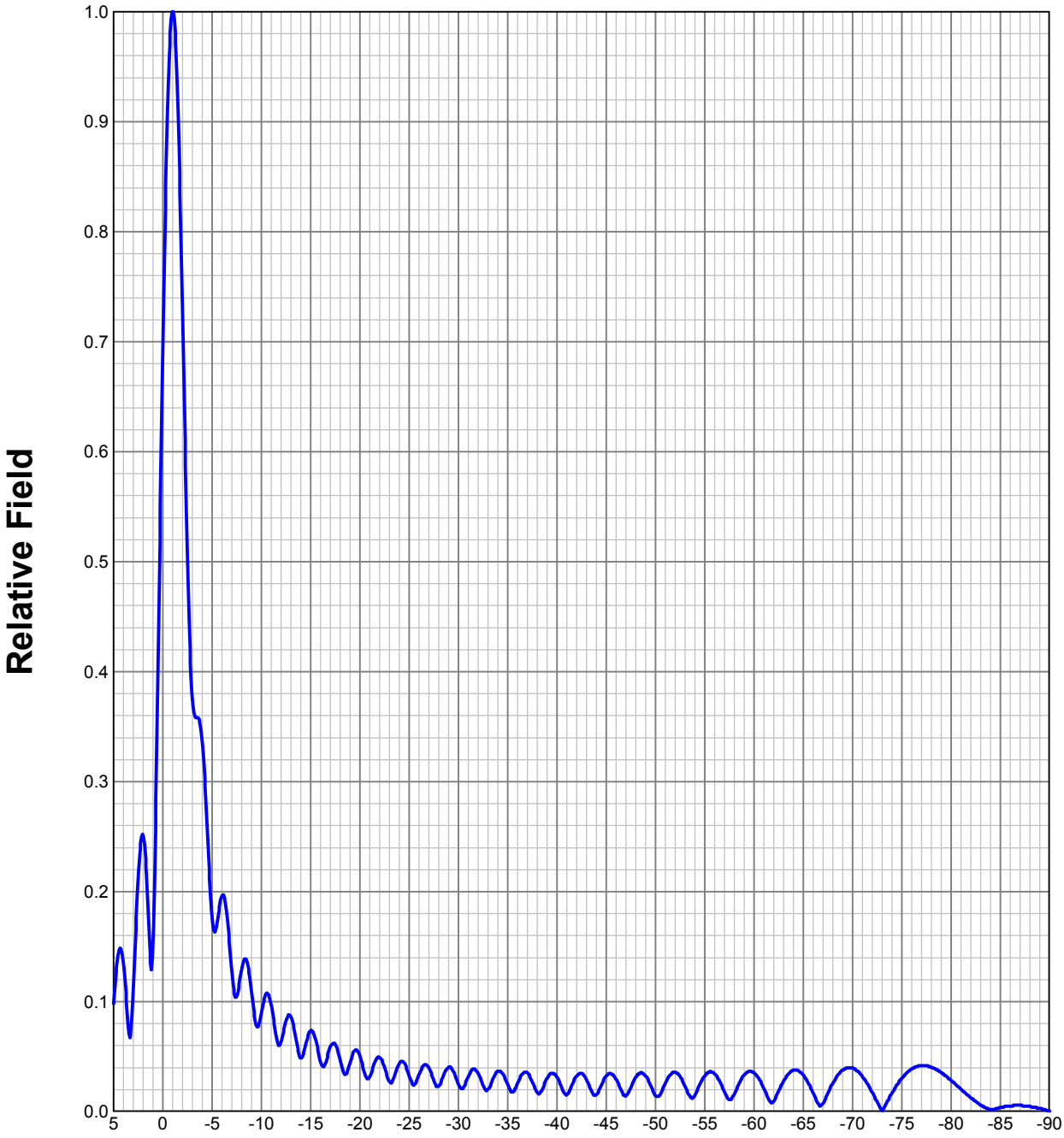
du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, FL 34237-6019
(941) 329-6000
TOM@DLR.COM

February 12, 2008

ATW25H4-ESC3-33H

ELEVATION PATTERN

Type:	ATW25H4H		Channel:	33
Directivity:	Numeric	dBd	Location:	
Main Lobe:	25.00	13.98	Beam Tilt:	-1.00
Horizontal:	12.06	10.81	Polarization:	Horizontal



Preliminary, subject to final design and review.