

TECHNICAL EXHIBIT
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR
STATION WBPB-DT
GULF SHORES, ALABAMA
CH 25 70 KW (MAX-DA) 291 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 291 meters above ground level. The maximum DTV ERP is 70 kW (horizontal polarization). A “worst-case” vertical plane relative field value of 0.2 (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 0.0011 mW/cm². This is 0.31% of the FCC's recommended limit of 0.36 mW/cm² for channel 25 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.



W. Jeffrey Reynolds

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

February 12, 2008

Proposal Number **C-01902**Revision: **1**

Date

Call Letters

WBPG-DT

Channel

25

Location

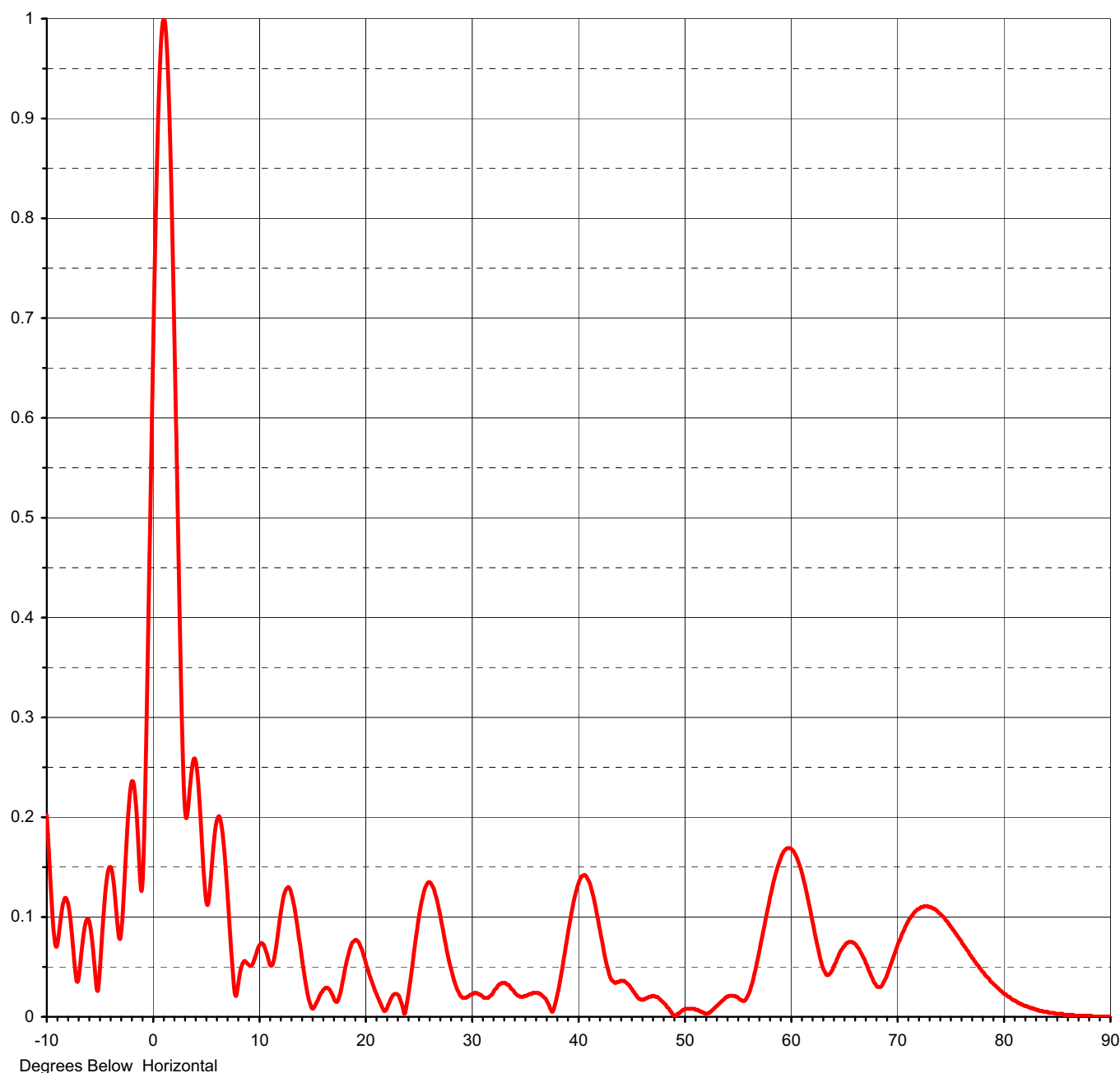
Mobile, AL

Customer

Antenna Type

TLP-24S180 SP

ELEVATION PATTERN

RMS Gain at Main Lobe **23.00 (13.62 dB)**Beam Tilt **1.00 deg**RMS Gain at Horizontal **10.30 (10.13 dB)**Frequency **539.00 MHz**Calculated / Measured **Calculated**Drawing # **24L230100-90**

This document contains proprietary and confidential information of Dielectric Communications and SPX Corporation. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric Communications or SPX Corporation.