

**FIGURE 6**  
**TECHNICAL EXHIBIT**  
Application For DTV Construction Permit  
Filed On Behalf Of  
Lingard Broadcasting Corporation  
West Point, Mississippi  
Call Sign: WLOV-DT

**STATION INFORMATION**

Channel:	16 (DTV)
Frequency	482-488MHz
Proposed Site Coordinates (NAD 27):	Lat: 33° 47' 40" N Lon: 89° 05' 16" W
Site Elevation Above Mean Sea Level:	176.8m
HAAT (8 Equally Spaced radials (3-16km):	102.7m
<b>Over All Height Of Exiting Antenna Structure:</b>	
Above Ground:	485.5m
Above Mean Sea Level:	662.3m
<b>Height Of Antenna Radiation Center:</b>	
Above Ground:	420.3m
Above Mean Sea Level:	597.1m
Above Average Terrain:	494.3m
DTV Transmitter Rated Output Power (Avg.):	35kW
<b>Transmission Line:</b>	
Nominal Diameter:	6in.
Length:	1430ft./435.9m
Efficiency:	68.4%
<b>Antenna:</b>	
Type:	Dielectric TFU-24DSC-R-C170
Polarization:	Horizontal
Peak Power Gain:	33.2
Electrical Beam Tilt:	0.50°
Transmitter Output Power (Avg.):	19.82 kW
Transmission Line Loss:	1.65 dB
Antenna Input Power:	10.56 kW
Effective Radiated Power (Max):	450 kW



**VEGA.COMM.INC.**

P.O. Box 781123  
Orlando, Florida 32878-1123  
Phone: (407) 415-0931 • Fax: (407) 207-5925  
Email: [vegacomm@vegacomm.com](mailto:vegacomm@vegacomm.com)