

# Engineering Statement

## In Support of an

### Application for a Construction Permit

#### WMLV, Stonewall, Mississippi

#### Channel 295A Contour Comparison Study

**Reference Coordinates:**

**North Latitude: 32-19-30**

**West Longitude: 88-41-17**

ERP = 2.3 kW		FM - 2-6 Tables		F(50-50)
Ave. Elev.		Effective		Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	60 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km
0.0	119.2	169.7	3.617	28.8
45.0	133.4	155.5	3.617	27.7
90.0	144.8	144.1	3.617	26.7
135.0	134.7	154.2	3.617	27.6
180.0	156.6	132.3	3.617	25.8
225.0	104.3	184.6	3.617	29.9
270.0	108.1	180.8	3.617	29.6
315.0	97.8	191.1	3.617	30.4

**Avg. of 8 = 124.9 M 164.0 M 28.3**

ERP = 6.0 kW		FM - 2-6 Tables		F(50-50)
Ave. Elev.		Effective		Distance to
Azimuth	3 to 16 km	Antenna Height	ERP	60 dBu Contour
°T.	Meters AMSL	Meters AAT	(dBk)	km
0.0	119.2	105.7	7.782	29.0
45.0	133.4	91.5	7.782	27.1
90.0	144.8	80.1	7.782	25.5
135.0	134.7	90.2	7.782	26.9
180.0	156.6	68.3	7.782	23.7
225.0	104.3	120.6	7.782	30.8
270.0	108.1	116.8	7.782	30.4
315.0	97.8	127.1	7.782	31.5

**Avg. of 8 = 124.9 M 100.0 M 28.1**