

Engineering Statement

In Support of an Application for a Construction Permit

**KNIM(FM), Maryville, Missouri
Channel 246C3**

KNIM Contour Comparison Study

Reference Coordinates:

North Latitude: 40-23-31

West Longitude: 94-58-04

ERP = 21.5 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	316.4	109.0	13.324	39.3
45.0	336.9	88.5	13.324	35.9
90.0	328.4	97.0	13.324	37.4
135.0	326.7	98.7	13.324	37.7
180.0	322.9	102.5	13.324	38.3
225.0	298.3	127.1	13.324	41.7
270.0	303.0	122.4	13.324	41.1
315.0	307.6	117.8	13.324	40.5
Avg. of 8 = 317.5 M		107.9 M		39.0

ERP = 25.0 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	316.4	101.1	13.979	39.3
45.0	336.9	80.6	13.979	35.5
90.0	328.4	89.1	13.979	37.2
135.0	326.7	90.8	13.979	37.5
180.0	322.9	94.6	13.979	38.2
225.0	298.3	119.2	13.979	41.9
270.0	303.0	114.5	13.979	41.3
315.0	307.6	109.9	13.979	40.6
Avg. of 8 = 317.5 M		100.0 M		38.9