



SYSTEMS WITH RELIABILITY, INC.
Broadcast Antennas and Transmission Systems

WOLR-FM Antenna RMS Comparison

PROPOSED ANTENNA

Azimuth Heading	Relative Field
0	1.000
10	1.000
20	1.000
30	1.000
40	1.000
50	1.000
60	1.000
70	1.000
80	1.000
90	1.000
100	1.000
110	1.000
120	1.000
130	1.000
140	1.000
150	1.000
160	0.842
170	0.718
180	0.627
190	0.627
200	0.660
210	0.781
220	0.945
230	1.000
240	1.000
250	1.000
260	1.000
270	1.000

DESIGNED ANTENNA

Azimuth Heading	Relative Field
0	0.914
10	0.913
20	0.919
30	0.924
40	0.932
50	0.938
60	0.946
70	0.964
80	0.984
90	1.000
100	0.987
110	0.948
120	0.837
130	0.716
140	0.537
150	0.416
160	0.396
170	0.408
180	0.444
190	0.456
200	0.464
210	0.472
220	0.494
230	0.549
240	0.637
250	0.781
260	0.900
270	0.964