

XField.out

W241BT Tuscaloosa, AL

74.1204(d) Showing

Translator or LPFM Maximum Licensed ERP = 0.23

Translator or LPFM Antenna Height AG = 147 Meters

W241BT Antenna Model = TFC2K 4 Bay half wave

Protected Station's Contour = 65.83036 dBu

Translator's or LPFM's full Interference contour 105.83036

Review Azimuth = 0 Degrees True

Relative Field on the horizon at Review Azimuth = 1.000

Translator/LPFM ERP on the horizon at Review Azimuth = 0.23 kW

Distance between stations = 62.2 km

Protected Station= WMJJ, 100 kW, 494 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.2300	543.6832	543.6832	147.000
05.00	0.94	1.0	0.2032	511.0622	509.1175	102.458
10.00	0.789	1.0	0.1433	429.2132	422.6925	072.468
15.00	0.592	1.0	0.0806	321.8605	310.8933	063.696
20.00	0.381	1.0	0.0334	207.1927	194.6975	076.136
25.00	0.179	1.0	0.0074	097.5664	088.4252	105.767
30.00	0.005	1.0	0.0000	002.7184	002.3542	145.641
35.00	0.12	1.0	0.0033	065.2420	053.4431	109.579
40.00	0.186	1.0	0.0080	101.2109	077.5321	081.943
45.00	0.199	1.0	0.0091	108.0570	076.4079	070.592
50.00	0.172	1.0	0.0068	093.6947	060.2258	075.226
55.00	0.13	1.0	0.0039	070.7128	040.5592	089.075
60.00	0.087	1.0	0.0017	047.3004	023.6502	106.037
65.00	0.052	1.0	0.0006	028.2903	011.9560	121.360
70.00	0.027	1.0	0.0002	014.6455	005.0090	133.238
75.00	0.012	1.0	0.0000	006.5242	001.6886	140.698
80.00	0.004	1.0	0.0000	002.2524	000.3911	144.782
85.00	0.001	1.0	0.0000	000.5437	000.0474	146.458
90.00	0.0	1.0	0.0000	000.0544	000.0000	146.946

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