

Iowa City CH 233 Translator – Satellite Map – Tower Site



636762 Iowa City, IA
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.08
 Translator or LPFM Antenna Height AG = 50 Meters
 636762 Antenna Model = SHPX2H

Protected Station's Contour = 87.15615 dBu
 Translator's or LPFM's full Interference contour 127.15615

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.08 kw
 Distance between stations = 21.7 km
 Protected Station= KRNA, 100 kw, 546 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	0.0800	027.5256	027.5256	050.000
05.00	0.984	1.0	0.0775	027.0852	026.9822	047.639
10.00	0.938	1.0	0.0704	025.8191	025.4268	045.517
15.00	0.865	1.0	0.0599	023.8097	022.9984	043.838
20.00	0.772	1.0	0.0477	021.2498	019.9683	042.732
25.00	0.665	1.0	0.0354	018.3046	016.5896	042.264
30.00	0.553	1.0	0.0245	015.2217	013.1824	042.389
35.00	0.442	1.0	0.0156	012.1663	009.9661	043.022
40.00	0.339	1.0	0.0092	009.3312	007.1481	044.002
45.00	0.248	1.0	0.0049	006.8264	004.8270	045.173
50.00	0.172	1.0	0.0024	004.7344	003.0432	046.373
55.00	0.112	1.0	0.0010	003.0829	001.7683	047.475
60.00	0.068	1.0	0.0004	001.8717	000.9359	048.379
65.00	0.037	1.0	0.0001	001.0184	000.4304	049.077
70.00	0.018	1.0	0.0000	000.4955	000.1695	049.534
75.00	0.007	1.0	0.0000	000.1927	000.0499	049.814
80.00	0.002	1.0	0.0000	000.0551	000.0096	049.946
85.00	0.001	1.0	0.0000	000.0275	000.0024	049.973
90.00	0.0	1.0	0.0000	000.0028	000.0000	049.997