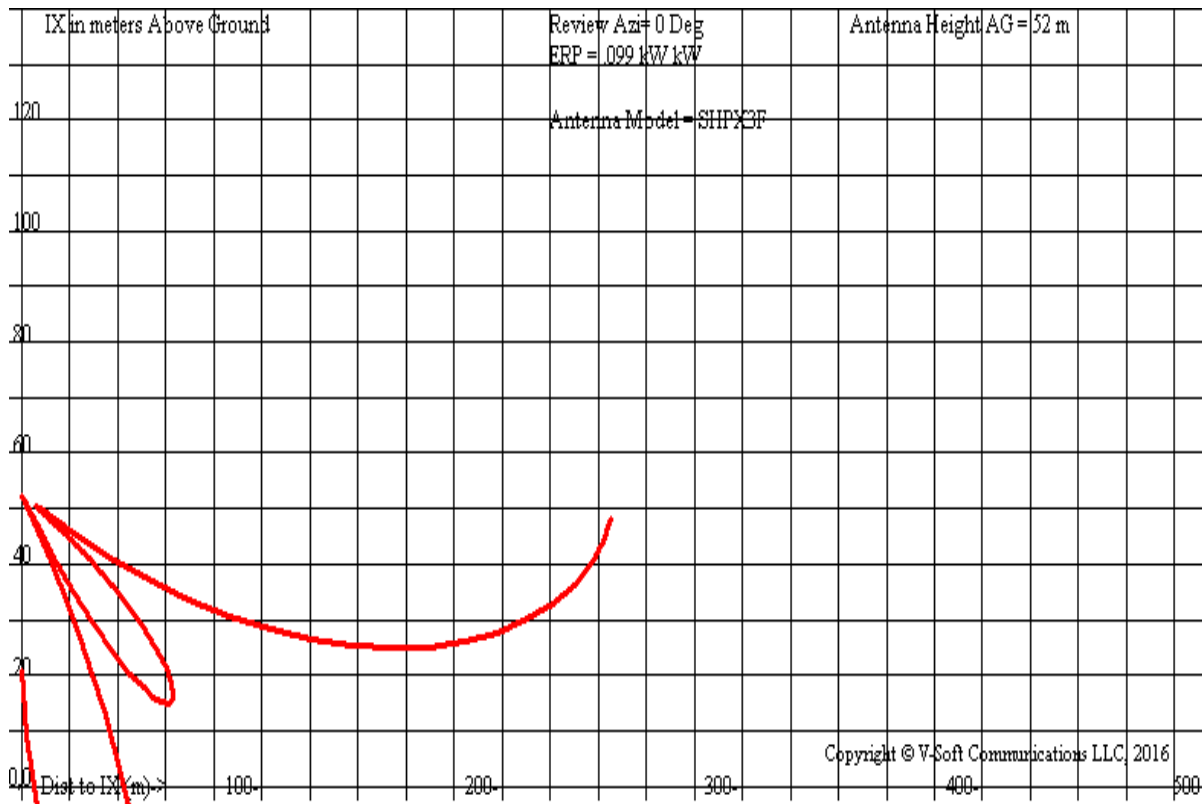


# PROTECTION TO W300CR (LIC)

XField (C) 2016, V-Soft Communications LLC



1763776 Asheville, NC, Showing Protection to W300CR (LIC)  
 74.1204(d) Study - Using NGDC 30 SEC Terrain Database  
 Translator or LPFM Maximum Licensed ERP = 0.099  
 Translator or LPFM Antenna Height AG = 52 Meters  
 1763776 Antenna Model = SHPX3F

Protected Station's Contour = 68.8644 dBu  
 Translator's or LPFM's full Interference contour 108.8644

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.099 kW  
 Distance between stations = 3.5 km  
 Protected Station= W300CR, .25 kW, 706 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)
00.0	1.0	1.0	0.0990	251.5345	251.5345	052.000
05.0	0.900	1.0	0.0802	226.3811	225.5196	032.270
10.0	0.635	1.0	0.0399	159.7244	157.2978	024.264
15.0	0.292	1.0	0.0084	073.4481	070.9454	032.990
20.0	0.025	1.0	0.0001	006.2884	005.9091	049.849
25.0	0.232	1.0	0.0053	058.3560	052.8885	027.338
30.0	0.294	1.0	0.0086	073.9511	064.0436	015.024
35.0	0.225	1.0	0.0050	056.5953	046.3601	019.538
40.0	0.072	1.0	0.0005	018.1105	013.8734	040.359
45.0	0.107	1.0	0.0011	026.9142	019.0312	032.969
50.0	0.267	1.0	0.0071	067.1597	043.1694	000.553
55.0	0.377	1.0	0.0141	094.8285	054.3914	-025.679
60.0	0.432	1.0	0.0185	108.6629	054.3315	-042.105
65.0	0.436	1.0	0.0188	109.6690	046.3481	-047.394
70.0	0.402	1.0	0.0160	101.1169	034.5840	-043.019
75.0	0.346	1.0	0.0119	087.0309	022.5253	-032.065
80.0	0.276	1.0	0.0075	069.4235	012.0553	-016.369
85.0	0.202	1.0	0.0040	050.8100	004.4284	001.383
90.0	0.126	1.0	0.0016	031.6934	000.0000	020.307