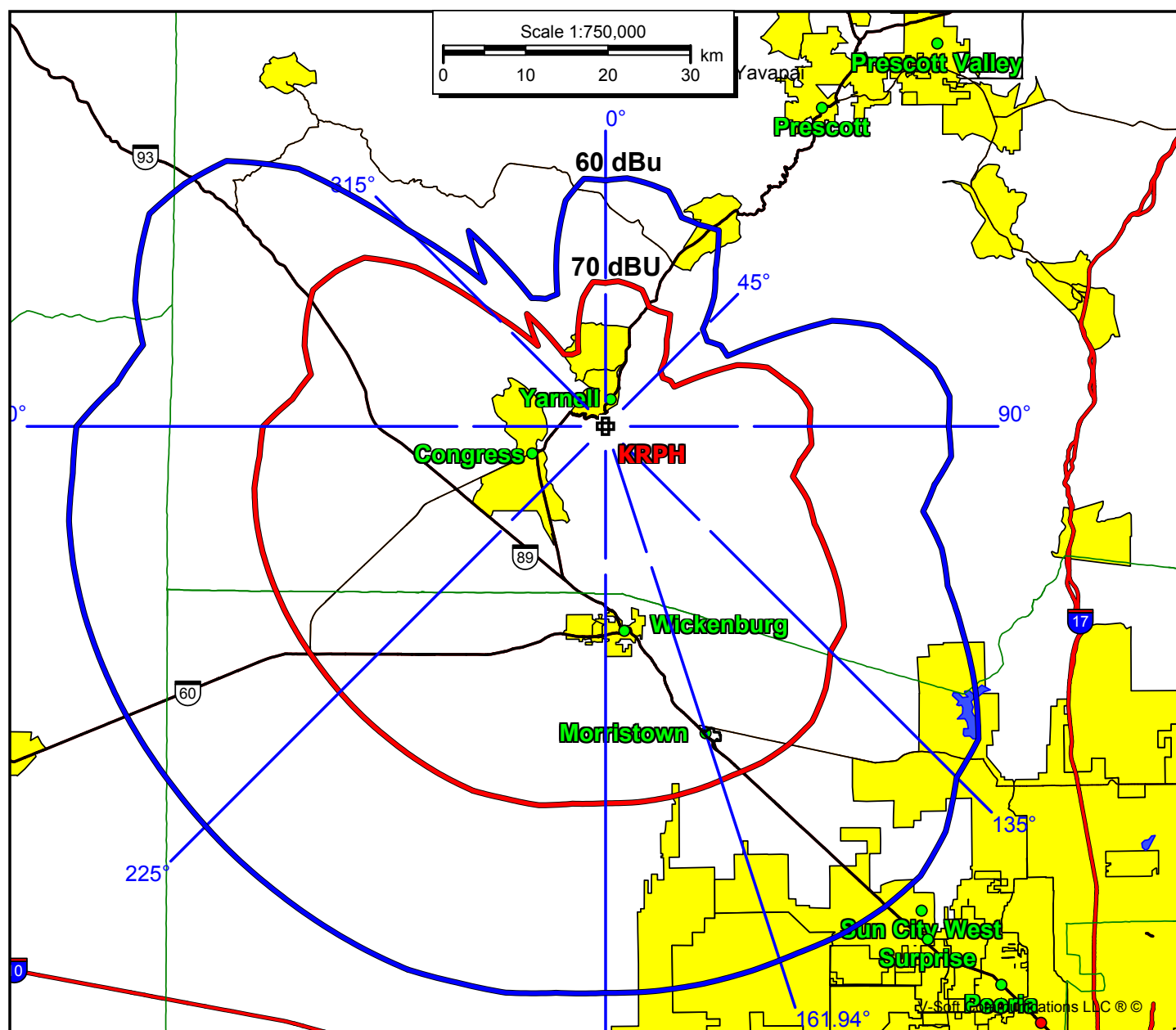


KRPH

Latitude: 34-11-32 N
Longitude: 112-45-13 W
ERP: 8.00 kW
Channel: 258
Frequency: 99.5 MHz
AMSL Height: 1574.7 m
Elevation: 1532 m
Horiz. Pattern: Directional

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Cedar Falls, Iowa 50613
Telecommunication Consultants



N. Lat. = 341132.0 W. Lng. = 1124513.0
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC

Distance to Contour KRPB as proposed

Azi.	AV EL	HAAT	ERP kw	dBk	Field	70-F5
000	1438.0	136.7	3.2973	5.18	0.642	16.26
045	1553.3	21.4	5.1328	7.10	0.801	8.56
090	1392.9	181.8	8.0000	9.03	1.000	23.42
135	1041.1	533.6	8.0000	9.03	1.000	39.90
180	879.7	695.0	8.0000	9.03	1.000	45.79
225	890.4	684.3	8.0000	9.03	1.000	45.43
270	1027.6	547.1	8.0000	9.03	1.000	40.50
315	1424.9	149.8	8.0000	9.03	1.000	21.44

 Additional Radials (Not Considered in Average):

162	918.2	656.5	8.0000	9.03	1.000	44.48
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Ave E1= 1206.00 M HAAT= 368.70 M AMSL= 1574.7