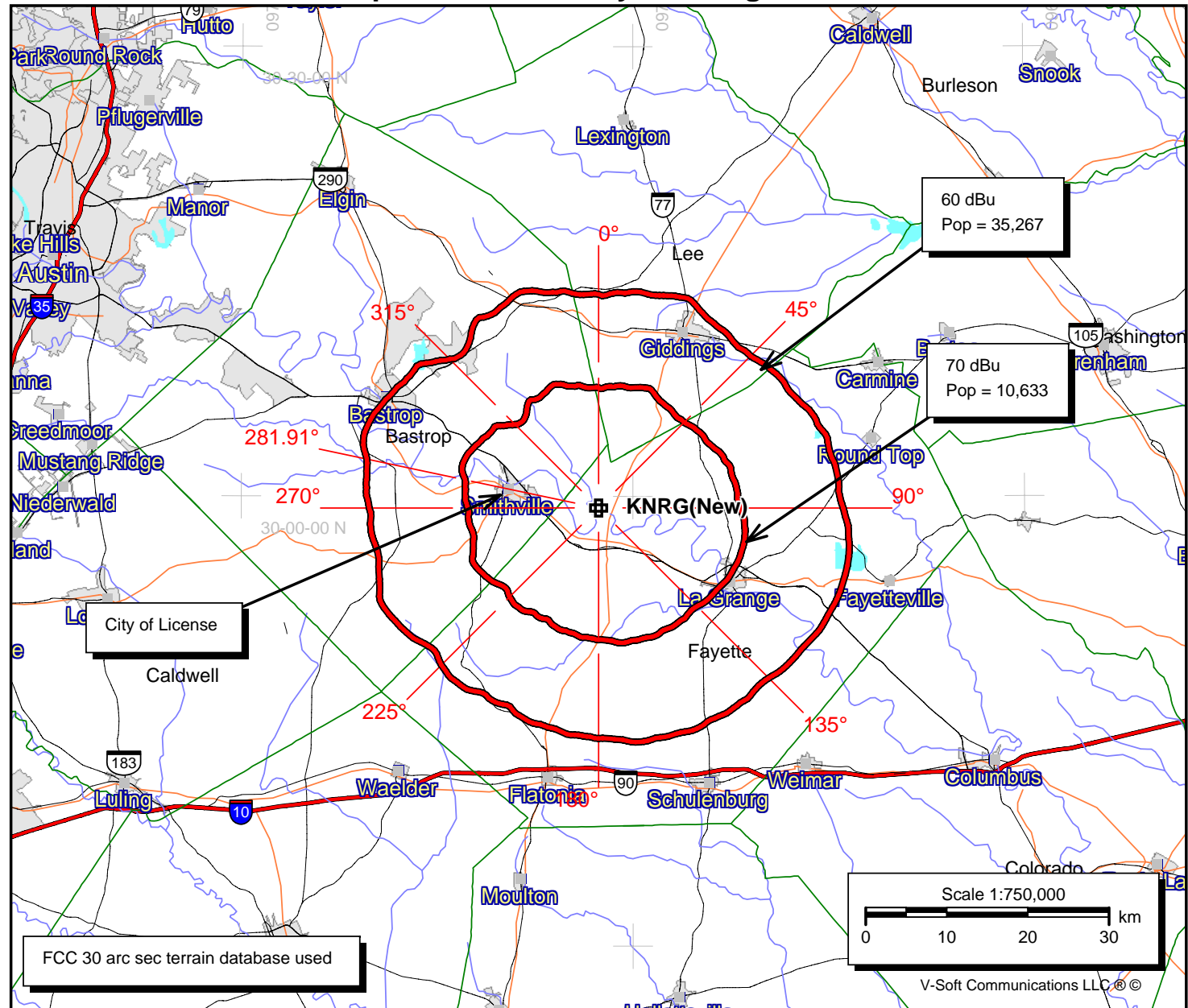


Proposed Community Coverage - KNRG Smithville Class A

KNRG(New)
Smithville, A
Latitude: 29-59-14 N
Longitude: 097-02-38 W
ERP: 6.00 kW
Channel: 222
Frequency: 92.3 MHz
AMSL Height: 207.0 m
HAAT: 100.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

9/11/2009

V Doug Vernier
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Cedar Falls, Iowa 50613
Telecommunication Consultants
dvernier@vsoft.com (319)266-8482



N. Lat. = 295914.0 W. Lng. = 970238.0

HAAT and Distance to Contour,

FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC

KNRG (New) - Smithville - Distance to 60 and 70 dBu contours

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	70-F5
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000	117.7	89.3	6.0000	7.78	1.000	26.82	15.13
045	116.6	90.4	6.0000	7.78	1.000	26.97	15.23
090	89.7	117.3	6.0000	7.78	1.000	30.43	17.70
135	94.5	112.5	6.0000	7.78	1.000	29.88	17.31
180	103.8	103.2	6.0000	7.78	1.000	28.71	16.47
225	112.8	94.2	6.0000	7.78	1.000	27.50	15.59
270	103.6	103.4	6.0000	7.78	1.000	28.74	16.48
315	118.7	88.3	6.0000	7.78	1.000	26.67	15.03

Additional Radials: (Not Considered in Average):

282	97.5	109.5	6.0000	7.78	1.000	29.51	17.04
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Ave El= 107.19 M HAAT= 99.81 M AMSL= 207 M