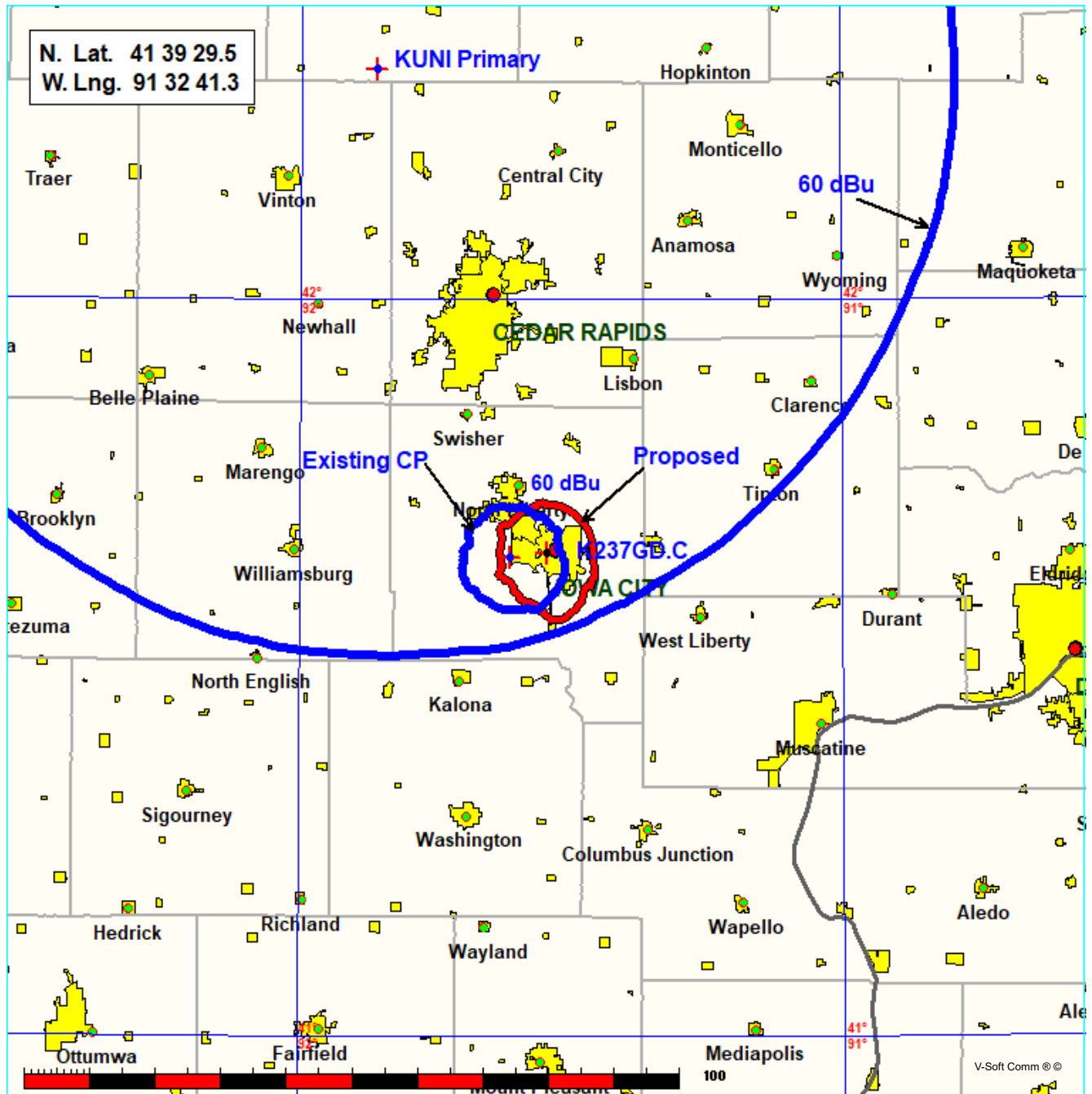


Coverage Exhibit - 60 dBu Service Contours
University Of Northern Iowa

Coverage Study - FCC 30 meter
05-07-2018



N. Lat. = 41 39 29.5 W. Lng. = 91 32 41.3
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 Meter

Proposed 60 dBu Distance to Contours

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	226.0	28.9	0.2500	-6.02	1.000	7.09
030	238.8	16.1	0.2500	-6.02	1.000	7.09
060	236.5	18.4	0.2500	-6.02	1.000	7.09
090	229.5	25.4	0.2500	-6.02	1.000	7.09
120	215.9	39.0	0.2500	-6.02	1.000	8.05
150	203.0	51.9	0.2500	-6.02	1.000	9.46
180	200.8	54.1	0.2500	-6.02	1.000	9.67
210	214.0	40.9	0.2500	-6.02	1.000	8.26
240	219.3	35.6	0.2500	-6.02	1.000	7.67
270	231.6	23.3	0.2500	-6.02	1.000	7.09
300	215.6	39.3	0.2500	-6.02	1.000	8.08
330	231.9	23.1	0.2500	-6.02	1.000	7.09

Ave El= 221.92 M HAAT= 33.00 M AMSL= 254.92

N. Lat. = 41 39 10.0 W. Lng. = 91 3642.0
 HAAT and Distance to Contour,
 FCC, FM 2-10 Mi, 51 pts Method - FCC 30 Meter
 Existing C.P.

K237GD.C, University Of Northern Iowa, BNPFT20151215AAP

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	232.4	54.6	0.0800	-10.97	1.000	7.17
030	232.5	54.5	0.0800	-10.97	1.000	7.16
060	219.5	67.5	0.0800	-10.97	1.000	7.97
090	219.2	67.8	0.0800	-10.97	1.000	7.99
120	207.2	79.8	0.0800	-10.97	1.000	8.71
150	199.6	87.4	0.0800	-10.97	1.000	9.13
180	216.0	71.0	0.0800	-10.97	1.000	8.18
210	225.6	61.4	0.0800	-10.97	1.000	7.61
240	221.2	65.8	0.0800	-10.97	1.000	7.87
270	230.0	57.0	0.0800	-10.97	1.000	7.33
300	231.9	55.1	0.0800	-10.97	1.000	7.21
330	229.3	57.7	0.0800	-10.97	1.000	7.38

Ave El= 222.03 M HAAT= 64.97 M AMSL= 287 M

N. Lat. = 42 18 59.0 W. Lng. = 91 51 31.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 Meter
Primary Station

KUNI, University Of Northern Iowa, BMLED19841106LW

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	288.4	510.6	100.0000	20.00	1.000	87.36
045	283.8	515.2	100.0000	20.00	1.000	87.63
090	275.6	523.4	100.0000	20.00	1.000	88.12
135	271.9	527.1	100.0000	20.00	1.000	88.34
180	263.0	536.0	100.0000	20.00	1.000	88.87
225	279.3	519.7	100.0000	20.00	1.000	87.90
270	267.7	531.3	100.0000	20.00	1.000	88.59
315	280.1	518.9	100.0000	20.00	1.000	87.85

Ave El= 276.23 M HAAT= 522.77 M AMSL= 799 M