

**EXHIBIT #1
ENGINEERING STATEMENT**

Concerning the Application of
1400, Inc.
To Construct a New FM Translator
To Serve Hailey, Idaho
Long Form – BNPFT20030312ANH

August 2003

Channel 266D

0.01 kW ERP Omni

This engineering statement supports the application filed by 1400, Inc. to construct a new FM translator to serve Hailey, Idaho on Channel 266. The applicant proposes to change transmitter locations from previous application. A change area map, depicting the intersecting 60 dBu contours of each proposal is attached as page #3.

Under the instant proposal, the off-air audio signal of primary station KWRV, channel 220, Sun Valley, will be delivered to a type-approved transmitter. This unit will deliver 0.0217 kW to the input of a 1 bay Shively 6812. The antenna has a power gain of 0.46 resulting in an effective radiated power of 0.01 kW, polarized circularly.

A total of 12 evenly spaced radials were used to determine the antenna height above average terrain. The highest radial of the 12 was used to determine the maximum effective radiated power. The USGS 30 arc-second terrain elevation database was employed to determine the elevations along the radials that were averaged using the required four-point interpolation method. The resulting averaged radial antenna heights were employed using the Commission's own TVFMINT algorithm to project the distances to signal contours. A tabular listing of the distance to the 1 mV/m contour can be found on page #4 of this exhibit. A coverage map can be found on page #5.

Exhibit #12 is an Allocation Study showing that no interference will be caused any existing licenses, construction permits or allocations. The first page is a computer channel study of all stations having a frequency and distance relationship. The exhibit gives current operating powers, HAAT's bearings and distances. (All distances were computed according to the method described under Section 73.208 of the Commission's Rules.) Page #2 of this exhibit is an explanation of the methods used.

The proposed station is not within 320 kilometers from the US border with Canada or Mexico. The proposed facility is okay with respect to AM stations, FCC monitoring stations, Table Mountain and the West Virginia Quiet Zone.

Exhibit #16 is an RF hazard compliance statement.

Page #6 of Exhibit #1 is a statement of the qualifications of the preparer.

Kate Michler

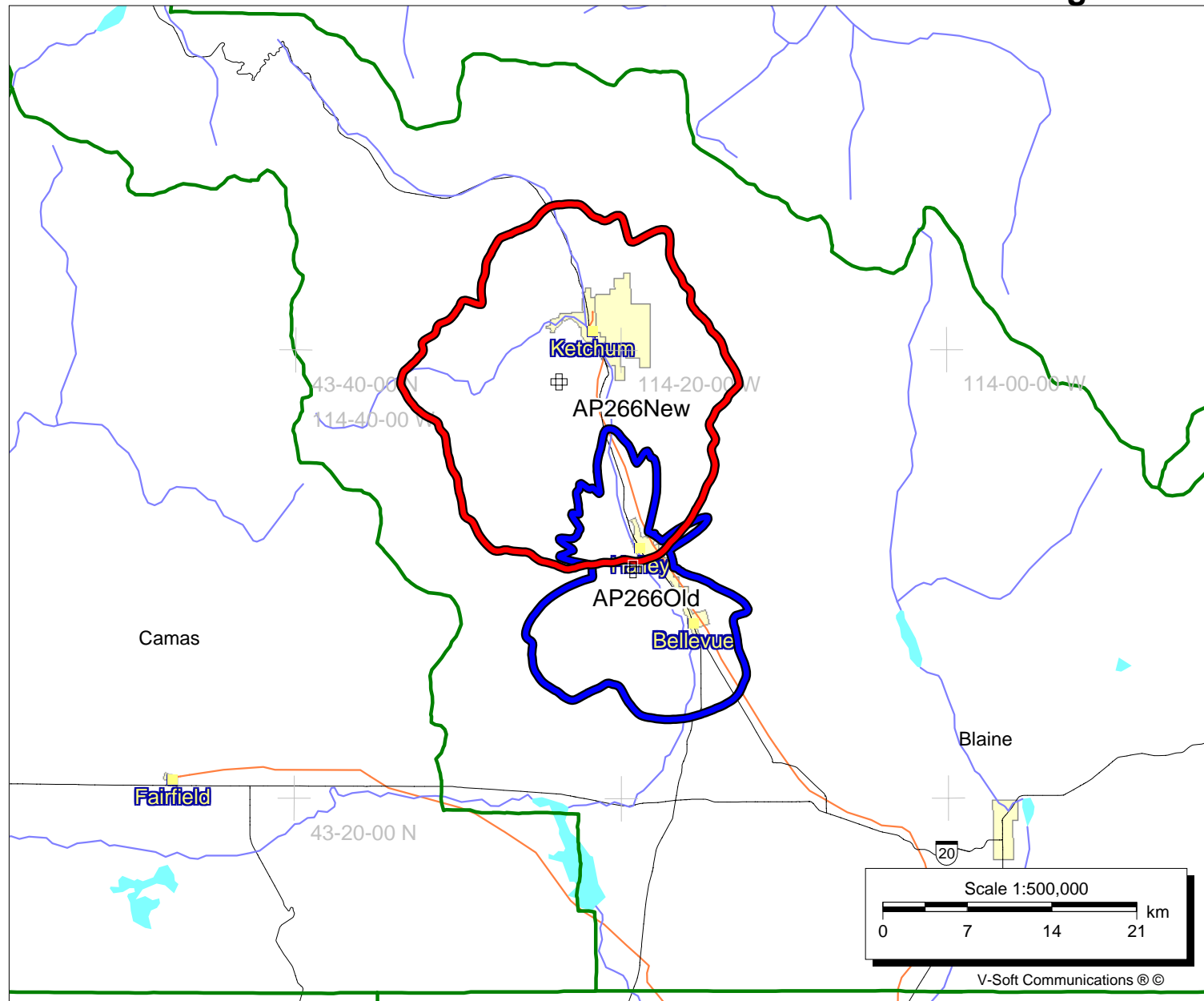
60 dBu Change Area

AP266New
BNPFT-20030312ANH
Latitude: 43-38-36 N
Longitude: 114-23-50 W
ERP: 0.01 kW
Channel: 266
Frequency: 101.1 MHz
AMSL Height: 2665.0 m
Elevation: 2641.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC Contour

AP266Old
BNPFT20030312ANH
Latitude: 43-30-13 N
Longitude: 114-19-17 W
ERP: 0.013 kW
Channel: 266
Frequency: 101.1 MHz
AMSL Height: 2070.0 m
Elevation: 2050.0 m
Horiz. Pattern: Omni
Vert. Pattern: No

August 29, 2003

V Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants



Doug Vernier Telecommunications Consultants

N. Lat. = 43 38 36 W. Lng. = 114 23 50

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

Long Form BNPFT20030312ANH

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	1982.1	682.9	0.0100	-20.00	1.000	14.62
030	2062.0	603.0	0.0100	-20.00	1.000	13.74
060	2152.6	512.4	0.0100	-20.00	1.000	12.68
090	1955.9	709.1	0.0100	-20.00	1.000	14.88
120	1963.5	701.5	0.0100	-20.00	1.000	14.81
150	1733.4	931.6	0.0100	-20.00	1.000	16.48
180	1915.6	749.4	0.0100	-20.00	1.000	15.24
210	2054.6	610.4	0.0100	-20.00	1.000	13.82
240	2329.0	336.0	0.0100	-20.00	1.000	10.69
270	2115.9	549.1	0.0100	-20.00	1.000	13.06
300	2348.2	316.8	0.0100	-20.00	1.000	10.39
330	2251.5	413.5	0.0100	-20.00	1.000	11.73

Ave El = 2072.02 M HAAT= 592.98 M AMSL= 2665 M

Proposed Translator Coverage

AP266New

BNPFT-20030312ANH

Latitude: 43-38-36 N

Longitude: 114-23-50 W

ERP: 0.01 kW

Channel: 266

Frequency: 101.1 MHz

AMSL Height: 2665.0 m

Elevation: 2641.0 m

Horiz. Pattern: Omni

Vert. Pattern: No

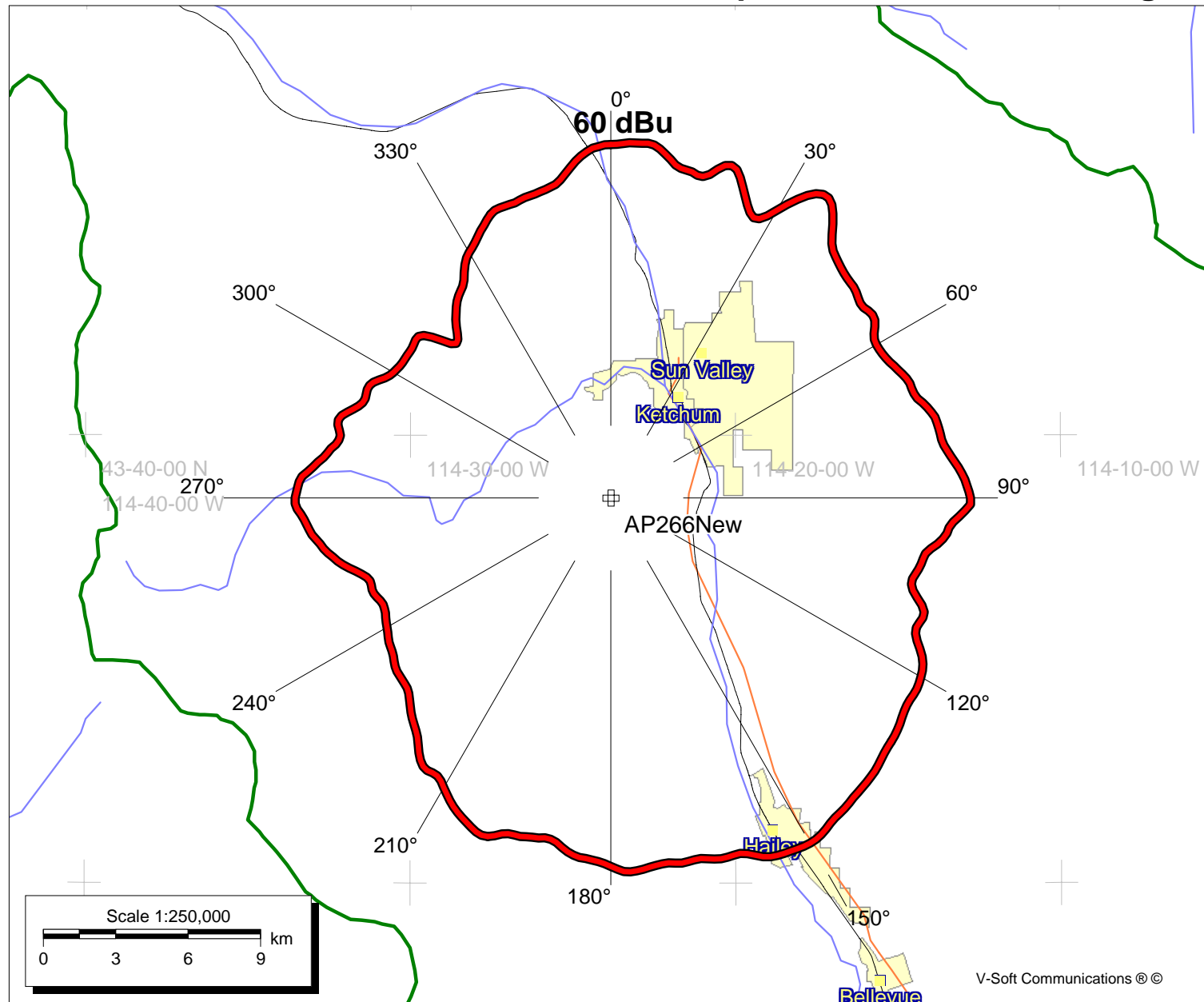
Prop Model: FCC Contour

Pop = 11,356

Area = 567.2 sq km

August 29, 2003

V
Doug Vernier
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Cedar Falls, Iowa 50613
Telecommunications Consultants



Declaration:

I, Katherine A. Michler, have received a Bachelor of Science degree from the University of Northern Iowa, and;

That, I declare that I have received training as a technical consultant as a member of the staff of Doug Vernier Telecommunications Consultants, and;

That, I have apprenticed under Douglas Vernier for over five years, and;

That, he has been active in broadcast consulting for over 25 years, and;

That, his qualifications are a matter of record with the Federal Communications Commission, and;

That, I am an Associate Member (#20792) of the Society of Broadcast Engineers, Indianapolis, Indiana, and;

That, the consulting firm of Doug Vernier Telecommunications Consultants has been retained by 1400, Inc., St. Paul, Minnesota;

That, I have personally prepared these engineering showings, the technical information contained in same and the facts stated within are true to my knowledge, and;

That, under penalty of perjury, I declare that the foregoing is correct.

Katherine A. Michler Katherine A. Michler

Executed on August 28, 2003