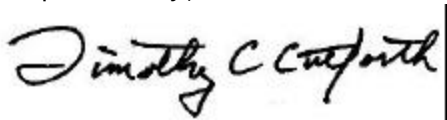


ENGINEERING STATEMENT

Concerning an amendment to an application for new translator at Pinecliffe, CO file number BNPFT20030829ABI. This application was dismissed and public notice of the dismissal was given on April 26, 2004. The FCC staff has noted questions in the population in the 100 dBu contour and supplied a printout from TOPOZONE of the quadrangle map. Apparently the topo map previously supplied was printed at the wrong scale and was inadequate to see the area details well. Upon examination of the new topo map it was found that the ground elevation for the site had also been read incorrectly and the form 349 was amended to match the topo map elevation of the site. The amended filing also changes the power and antenna orientation. The 100 dBu coverage exhibit as amended shows that when the antenna directionality is taken into account all structures and through roads are in fact located outside of the 100 dBu contour of the amended proposal. Therefore the requested waiver of second adjacent prohibited overlap meets FCC standards for grant. The transmitter site property is also shown outlined on the map as well.

This amendment also requests reinstatement NUNC PRO TUNC as this amendment corrects all of the flaws in the application.

Respectfully,

A handwritten signature in black ink, reading "Timothy C. Cutforth", followed by a vertical line.

Timothy C. Cutforth
Applicant
21 May 2004

Vir James Engineers

Project: PINECLIFFE Curves: VHF Low Band for 88 MHz to 108 MHz

Site Coordinates: 39-54-21 North 105-26-32 West

NGDC 30-Second Database for Continental US.

DEM-30 Database for AK, HI, and PR.

Site Elevation AMSL: (8740 feet), 2664 meters

Antenna HAAT: 84 meters

Antenna Center Above Sea Level: 2671 meters

TV/FM Channel: 269

Directional Pattern

----- DISTANCES TO CONTOURS IN KILOMETERS -----								
AZM	HAAT	ERP	70 dB	60 dB	100 dB	80 dB	54 dB	40 dB
(deg)	(m)	(kW)	(km)	(km)	(km)	(km)	(km)	(km)
			50,50	50,50	50,10	50,10	50,10	50,10
0	181	0.0002	1.0	2.3	0.085	0.4	3.6	9.0
5	218	0.0000	0.5	1.3	0.026	0.2	2.3	6.7
10	254	0.0000	0.4	1.0	0.019	0.1	1.8	5.9
15	288	0.0000	0.3	0.7	0.013	0.1	1.3	4.9
20	315	0.0000	0.3	0.7	0.012	0.1	1.3	5.0
25	360	0.0000	0.3	0.7	0.011	0.1	1.4	5.3
30	381	0.0000	0.2	0.7	0.006	0.1	1.3	5.3
35	411	0.0000	0.2	0.7	0.009	0.1	1.3	5.5
40	430	0.0000	0.2	0.6	0.006	0.1	1.3	5.5
45	396	0.0000	0.2	0.6	0.004	0.1	1.3	5.4
50	373	0.0000	0.3	0.8	0.009	0.1	1.6	6.1
55	383	0.0000	0.3	1.0	0.009	0.1	2.0	7.1
60	407	0.0000	0.5	1.3	0.019	0.2	2.5	8.7
65	400	0.0001	0.6	1.6	0.027	0.2	3.1	10.1
70	432	0.0001	0.6	1.9	0.017	0.2	3.6	11.4
75	456	0.0001	0.8	2.2	0.031	0.3	4.2	12.7
80	391	0.0001	0.7	2.3	0.019	0.2	4.2	12.2
85	318	0.0001	0.8	2.4	0.037	0.3	4.1	11.4
90	295	0.0002	0.8	2.4	0.031	0.3	4.1	11.1
95	262	0.0002	0.9	2.4	0.039	0.3	4.0	10.7
100	284	0.0002	0.9	2.4	0.050	0.3	4.1	11.1
105	256	0.0002	0.9	2.4	0.045	0.3	4.0	10.5
110	170	0.0002	0.9	2.2	0.056	0.4	3.5	8.6
115	176	0.0002	0.9	2.2	0.047	0.3	3.5	8.7
120	181	0.0002	1.0	2.2	0.083	0.4	3.6	8.9
125	161	0.0002	0.9	2.1	0.073	0.4	3.4	8.3
130	122	0.0002	1.0	2.0	0.121	0.5	3.0	7.2
135	72	0.0002	0.9	1.7	0.136	0.5	2.4	5.5
140	19	0.0002	0.7	1.2	0.137	0.4	1.6	3.5
145	-7	0.0001	0.7	1.2	0.135	0.4	1.5	3.4
150	43	0.0001	0.8	1.3	0.140	0.4	1.8	4.0
155	-13	0.0001	0.6	1.1	0.128	0.4	1.5	3.3
160	-68	0.0001	0.6	1.0	0.119	0.4	1.4	3.0
165	-77	0.0001	0.6	1.0	0.111	0.3	1.3	2.8
170	-65	0.0000	0.5	0.8	0.098	0.3	1.2	2.5
175	-25	0.0000	0.4	0.8	0.087	0.3	1.0	2.2

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			50,50	50,50	50,10	50,10	50,10	50,10
180	20	0.0000	0.4	0.7	0.079	0.2	0.9	2.0
185	44	0.0000	0.4	0.7	0.072	0.2	1.0	2.2
190	12	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
195	-32	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
200	-35	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
205	-40	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
210	-71	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
215	-110	0.0000	0.4	0.6	0.072	0.2	0.9	1.8
220	-139	0.0000	0.4	0.7	0.085	0.2	1.0	2.2
225	-168	0.0000	0.5	0.9	0.099	0.3	1.2	2.5
230	-209	0.0002	0.7	1.2	0.140	0.4	1.6	3.6
235	-259	0.0007	1.0	1.6	0.197	0.6	2.3	5.2
240	-298	0.0021	1.3	2.2	0.253	0.7	3.0	6.8
245	-318	0.0062	1.6	2.8	0.326	1.0	3.9	9.0
250	-339	0.0117	1.9	3.3	0.378	1.1	4.6	10.6
255	-321	0.0221	2.2	3.8	0.438	1.3	5.4	12.3
260	-236	0.0303	2.4	4.1	0.471	1.4	5.9	13.3
265	-146	0.0416	2.6	4.5	0.508	1.5	6.4	14.4
270	-84	0.0529	2.7	4.8	0.537	1.5	6.8	15.3
275	-129	0.0672	2.9	5.1	0.568	1.6	7.2	16.4
280	-144	0.0779	3.0	5.3	0.588	1.7	7.5	17.1
285	-184	0.0902	3.1	5.5	0.608	1.8	7.8	17.9
290	-94	0.0950	3.1	5.6	0.616	1.8	7.9	18.2
295	-75	0.1000	3.1	5.6	0.623	1.8	8.0	18.5
300	-107	0.0950	3.1	5.6	0.616	1.8	7.9	18.2
305	-72	0.0902	3.1	5.5	0.608	1.8	7.8	17.9
310	-57	0.0779	3.0	5.3	0.588	1.7	7.5	17.1
315	-37	0.0672	2.9	5.1	0.568	1.6	7.2	16.4
320	5	0.0529	2.7	4.8	0.537	1.5	6.8	15.3
325	14	0.0416	2.6	4.5	0.507	1.5	6.4	14.4
330	41	0.0303	2.8	4.9	0.543	1.6	6.8	15.6
335	49	0.0221	2.8	5.0	0.463	1.6	6.9	15.9
340	69	0.0117	2.8	5.0	0.465	1.6	7.0	16.1
345	104	0.0062	2.8	5.3	0.372	1.4	7.4	17.0
350	132	0.0021	2.2	4.4	0.215	1.0	6.4	14.4
355	145	0.0007	1.6	3.4	0.111	0.6	5.1	11.5

