

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
LOW POWER TV STATION WFVX-D
BANGOR, MAINE

March 18, 2008

CHANNEL 22 15 KW (MAX-DA)

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Table of Contents

Technical Statement

Figure 1	Predicted Coverage Comparison
Figure 2	Summary of OET-69 Interference Analysis
Appendix 1	Transmitting Antenna Pattern Data

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Technical Statement

This Technical Exhibit was prepared in support of an application for construction permit for Low Power TV station WFVX-D to flash-cut to digital operation at its present transmitter site. The proposed facility will operate with a maximum directional effective radiated power of 15 kW with an antenna height of 318 m AMSL from its transmitter site on Blackcap Mountain near East Eddington, Maine. See attached coverage map at Figure 1 herein.

Response to Paragraph 13 (Interference)

The proposed facility complies with the following applicable FCC rule Sections: 74.709, 74.793(e), 74.793(f), 74.793(g), 74.794(b) and 73.1030. See Figure 2 for a summary of the interference analysis conducted pursuant to FCC Office of Engineering and Technology Bulletin No. 69 (OET-69).

Environmental Considerations

With respect to the potential for human exposure to radio frequency (RF) radiation, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF radiation at ground level in excess of FCC standards.

Power density calculations were conducted at 2-m above ground based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor*	FCC Limit [†] (mW/cm ²)	Percentage of Limit
WFVX-D	22	15	31	0.15	0.347	3.9%

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 3.9% of the FCC limit for general population / uncontrolled exposure.

Access to the tower shall be restricted as necessary to prevent exposure to RF energy in excess of FCC requirements. The applicant, in coordination with other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower from radio frequency radiation in excess of the FCC guidelines.



Louis R. du Treil, Jr.

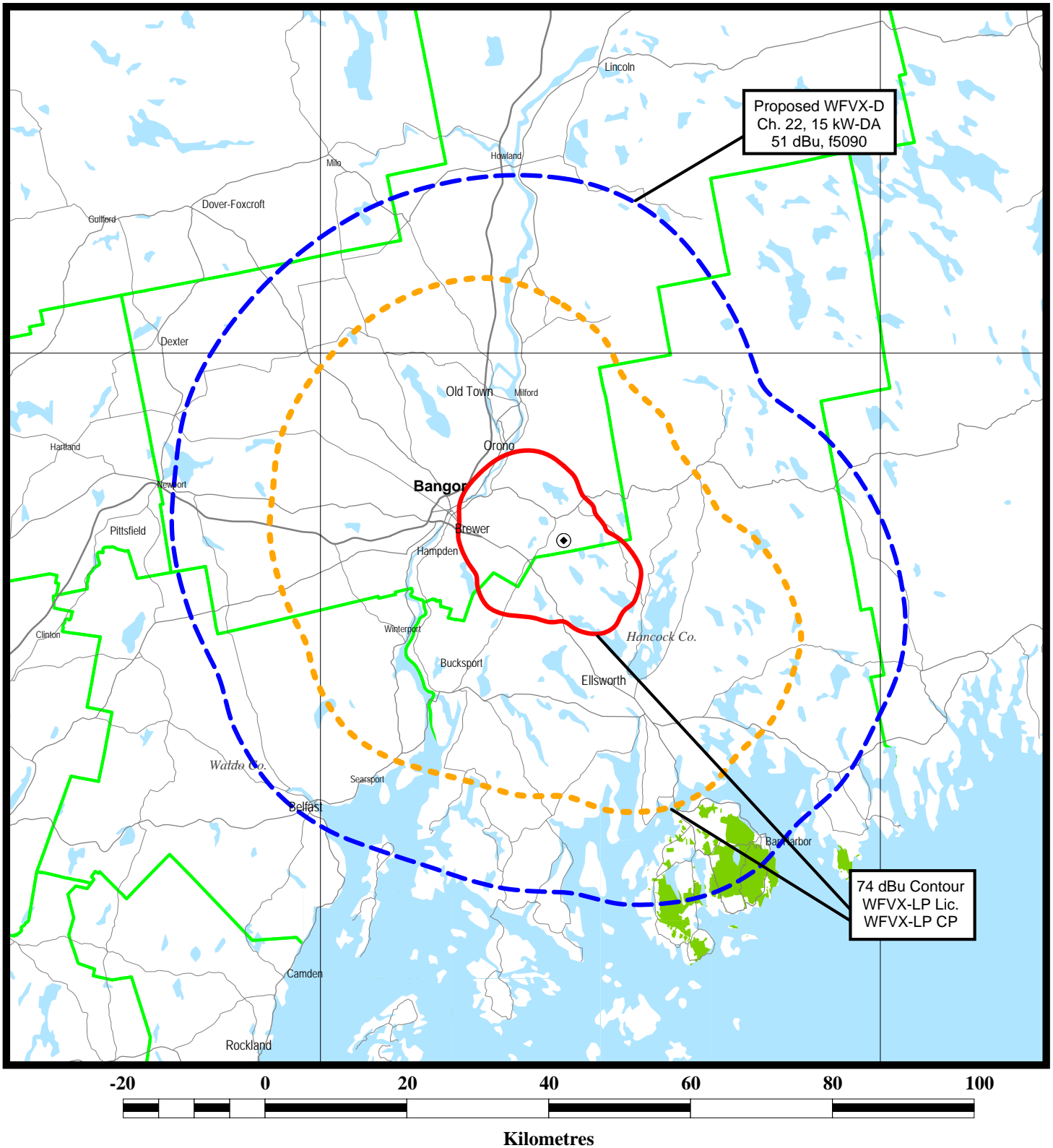
du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, FL 34237

March 18, 2008

* This is a conservative estimate of the relative field factor at steep elevation angles.

† for general population/uncontrolled environments

Figure 1



PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida

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Summary of OET-69 Interference Analysis

Channel	Callsign	File Number	Status	City	State	Baseline	Net Change	Percent Change
20	WFBX-LP	BLTTL-19990513JC	LIC	BANGOR	ME	--	0	0
21	WGBI-LP	BDFCDTL-20060331BFC	CP	FARMINGTON	ME	--	0	0
21	WGBI-LP	BLTT-19980428JE	LIC	FARMINGTON	ME	--	0	0
21	W21BH	BLTTL-19970430JC	LIC	MACHIAS	ME	--	0	0
22	WLWC	BLCDT-20050802ACS	LIC	NEW BEDFORD	MA	--	0	0
22	WVNY	BLCT-19810108KE	LIC	BURLINGTON	VT	--	0	0
23	WPFO	BLCT-19990903AAH	LIC	WATERVILLE	ME	--	0	0
29	W29CA	BLTTL-20010209AAE	LIC	BRUNSWICK	ME	--	0	0
29	940415J9	BPTTL-19940415J9	APP	LEWISTON	ME	--	0	0
30	WCKD-LP	BLTT-19940422IJ	LIC	BANGOR	ME	--	0	0
20	WFBX-LP	BLTTL-19990513JC	LIC	BANGOR	ME	--	0	0
21	WGBI-LP	BDFCDTL-20060331BFC	CP	FARMINGTON	ME	--	0	0
21	WGBI-LP	BLTT-19980428JE	LIC	FARMINGTON	ME	--	0	0
21	W21BH	BLTTL-19970430JC	LIC	MACHIAS	ME	--	0	0
22	WLWC	BLCDT-20050802ACS	LIC	NEW BEDFORD	MA	--	0	0
22	WVNY	BLCT-19810108KE	LIC	BURLINGTON	VT	--	0	0
23	WPFO	BLCT-19990903AAH	LIC	WATERVILLE	ME	748388	14	0.002
29	W29CA	BLTTL-20010209AAE	LIC	BRUNSWICK	ME	--	0	0
29	940415J9	BPTTL-19940415J9	APP	LEWISTON	ME	--	0	0
30	WCKD-LP	BLTT-19940422IJ	LIC	BANGOR	ME	--	0	0

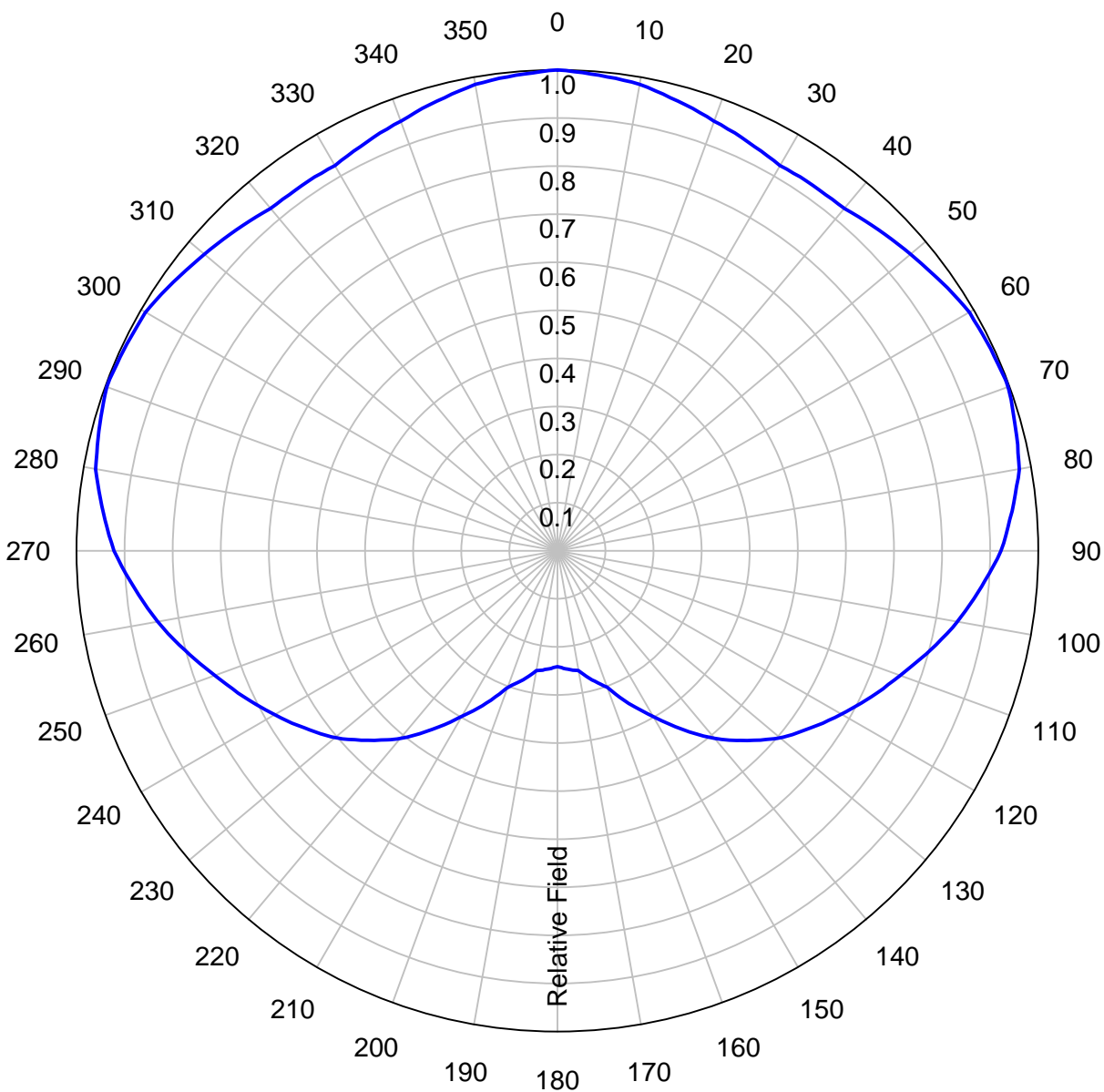
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Transmitting Antenna Pattern Data

(four sheets follow)

AZIMUTH PATTERN**Type:**ALP-W**Channel:**22**Directivity:**NumericdBd**Peak(s) at:**1.561.93**Location:****Polarization:**Horizontal

Note: Pattern shape and directivity may vary with channel and mouting configuration.

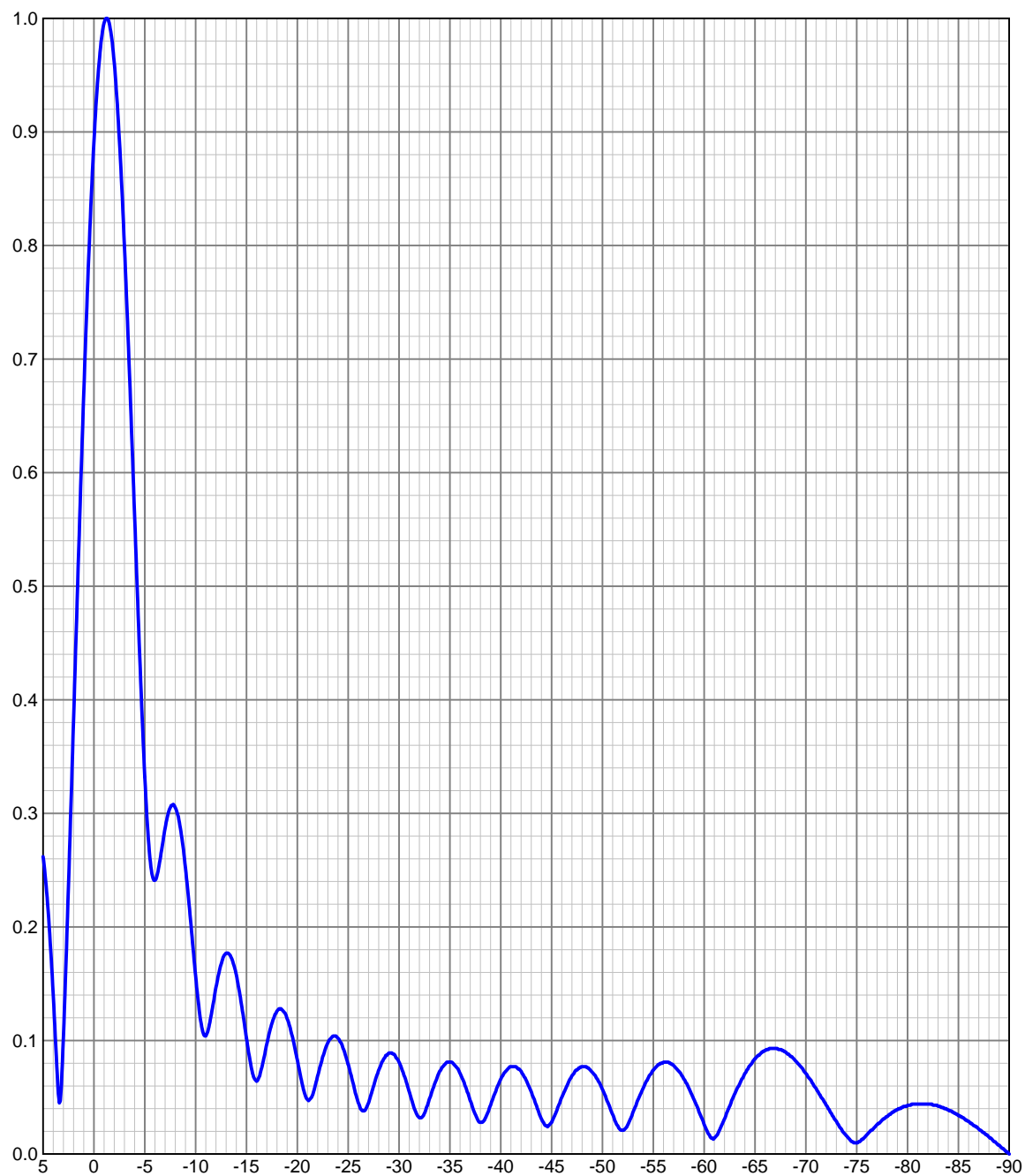


TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT

Type: ALP-W

PolarizationHorizontal

ANGLE	FIELD	ERP (kW)	ERP (dBk)
0	1.000	15.000	11.761
10	0.985	14.553	11.630
20	0.951	13.566	11.325
30	0.925	12.834	11.084
40	0.929	12.946	11.121
50	0.959	13.795	11.397
60	0.990	14.701	11.674
70	0.997	14.910	11.735
80	0.975	14.259	11.541
90	0.922	12.751	11.056
100	0.845	10.710	10.298
110	0.758	8.618	9.354
120	0.680	6.936	8.411
130	0.605	5.490	7.396
140	0.510	3.901	5.912
150	0.397	2.364	3.737
160	0.302	1.368	1.361
170	0.253	0.960	-0.177
180	0.241	0.871	-0.599
190	0.253	0.960	-0.177
200	0.302	1.368	1.361
210	0.397	2.364	3.737
220	0.510	3.901	5.912
230	0.605	5.490	7.396
240	0.680	6.936	8.411
250	0.758	8.618	9.354
260	0.845	10.710	10.298
270	0.922	12.751	11.056
280	0.975	14.259	11.541
290	0.997	14.910	11.735
300	0.990	14.701	11.674
310	0.959	13.795	11.397
320	0.929	12.946	11.121
330	0.925	12.834	11.084
340	0.951	13.566	11.325
350	0.985	14.553	11.630

ELEVATION PATTERN**Type:****AL 12****Channel:****22****Directivity:****Numeric****dBd****Location:****Main Lobe:****12.00****10.79****Beam Tilt:****-1.25****Horizontal:****9.53****9.79****Polarization:****Horizontal****Relative Field**

TABULATED DATA FOR ELEVATION PATTERN

Type: AL12

Polarization: Horizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.262	-11.63	-6.75	0.273	-11.28	-27.00	0.045	-26.94	-50.50
4.75	0.241	-12.36	-7.00	0.287	-10.84	-27.50	0.060	-24.44	-51.00
4.50	0.214	-13.39	-7.25	0.298	-10.52	-28.00	0.074	-22.62	-51.50
4.25	0.179	-14.92	-7.50	0.305	-10.31	-28.50	0.084	-21.51	-52.00
4.00	0.140	-17.08	-7.75	0.307	-10.24	-29.00	0.089	-21.01	-52.50
3.75	0.095	-20.45	-8.00	0.305	-10.31	-29.50	0.088	-21.11	-53.00
3.50	0.053	-25.51	-8.25	0.298	-10.50	-30.00	0.081	-21.83	-53.50
3.25	0.054	-25.35	-8.50	0.287	-10.84	-30.50	0.069	-23.22	-54.00
3.00	0.103	-19.74	-8.75	0.272	-11.32	-31.00	0.055	-25.19	-54.50
2.75	0.167	-15.52	-9.00	0.252	-11.97	-31.50	0.040	-27.96	-55.00
2.50	0.237	-12.51	-9.25	0.230	-12.77	-32.00	0.032	-29.90	-55.50
2.25	0.309	-10.19	-9.50	0.206	-13.72	-32.50	0.036	-28.87	-56.00
2.00	0.383	-8.34	-9.75	0.181	-14.85	-33.00	0.049	-26.20	-56.50
1.75	0.458	-6.79	-10.00	0.157	-16.08	-33.50	0.062	-24.15	-57.00
1.50	0.531	-5.50	-10.50	0.117	-18.64	-34.00	0.073	-22.73	-57.50
1.25	0.602	-4.41	-11.00	0.104	-19.66	-34.50	0.079	-22.05	-58.00
1.00	0.670	-3.48	-11.50	0.121	-18.34	-35.00	0.081	-21.83	-58.50
0.75	0.734	-2.69	-12.00	0.147	-16.65	-35.50	0.078	-22.16	-59.00
0.50	0.792	-2.03	-12.50	0.167	-15.55	-36.00	0.071	-22.97	-59.50
0.25	0.845	-1.46	-13.00	0.177	-15.04	-36.50	0.060	-24.44	-60.00
0.00	0.891	-1.00	-13.50	0.173	-15.24	-37.00	0.047	-26.56	-60.50
-0.25	0.930	-0.63	-14.00	0.158	-16.03	-37.50	0.035	-29.12	-61.00
-0.50	0.960	-0.35	-14.50	0.132	-17.59	-38.00	0.028	-31.06	-61.50
-0.75	0.982	-0.15	-15.00	0.102	-19.83	-38.50	0.032	-29.90	-62.00
-1.00	0.996	-0.03	-15.50	0.075	-22.50	-39.00	0.043	-27.33	-62.50
-1.25	1.000	0.00	-16.00	0.064	-23.88	-39.50	0.055	-25.19	-63.00
-1.50	0.996	-0.03	-16.50	0.076	-22.38	-40.00	0.066	-23.61	-63.50
-1.75	0.982	-0.15	-17.00	0.097	-20.26	-40.50	0.073	-22.73	-64.00
-2.00	0.961	-0.35	-17.50	0.115	-18.79	-41.00	0.077	-22.27	-64.50
-2.25	0.931	-0.63	-18.00	0.126	-17.99	-41.50	0.077	-22.27	-65.00
-2.50	0.893	-0.98	-18.50	0.127	-17.92	-42.00	0.073	-22.73	-65.50
-2.75	0.849	-1.42	-19.00	0.119	-18.49	-42.50	0.065	-23.74	-66.00
-3.00	0.799	-1.95	-19.50	0.104	-19.66	-43.00	0.055	-25.19	-66.50
-3.25	0.744	-2.56	-20.00	0.083	-21.62	-43.50	0.043	-27.33	-67.00
-3.50	0.686	-3.27	-20.50	0.061	-24.29	-44.00	0.031	-30.17	-67.50
-3.75	0.625	-4.09	-21.00	0.048	-26.38	-44.50	0.025	-32.04	-68.00
-4.00	0.562	-5.01	-21.50	0.052	-25.68	-45.00	0.028	-31.06	-68.50
-4.25	0.500	-6.03	-22.00	0.069	-23.22	-45.50	0.038	-28.40	-69.00
-4.50	0.439	-7.15	-22.50	0.086	-21.31	-46.00	0.050	-26.02	-69.50
-4.75	0.383	-8.34	-23.00	0.098	-20.18	-46.50	0.060	-24.44	-70.00
-5.00	0.332	-9.58	-23.50	0.104	-19.66	-47.00	0.069	-23.22	-70.50
-5.25	0.291	-10.72	-24.00	0.102	-19.83	-47.50	0.074	-22.62	-71.00
-5.50	0.261	-11.67	-24.50	0.093	-20.63	-48.00	0.077	-22.27	-71.50
-5.75	0.245	-12.22	-25.00	0.079	-22.05	-48.50	0.076	-22.38	-72.00
-6.00	0.241	-12.36	-25.50	0.062	-24.15	-49.00	0.072	-22.85	-72.50
-6.25	0.247	-12.15	-26.00	0.045	-26.94	-49.50	0.066	-23.61	-73.00
-6.50	0.259	-11.73	-26.50	0.038	-28.40	-50.00	0.057	-24.88	-73.50