

**KXAS Auxiliary Broadcast Application****EXHIBIT 44**  
**August 30, 2010****TABULATION OF AZIMUTH PATTERN: Dielectric TUA-C3-6/18U-1-R DC SM****Main beam axis of symmetry: 350° true****Electrical Beam Tilt: 0.70****Main Beam Calculated Maximum Azimuth Pattern Gain (peak): 2.00 (3.01 dBd)****Maximum Main Beam Effective Radiated Power (ERP): 826.37 kW****Maximum Peak of Beam Effective Radiated Power (ERP): 29.17 dBk****Peak of Beam**

Angle	Field	ERP (dBk)	ERP (kW)
0	0.908	28.33	681.3
10	0.739	26.54	451.3
20	0.648	25.40	347.0
30	0.850	27.76	597.1
40	0.820	27.45	555.7
50	0.583	24.49	280.9
60	0.707	26.16	413.1
70	0.931	28.55	716.3
80	1.000	29.17	826.4
90	0.918	28.43	696.4
100	0.794	27.17	521.0
110	0.669	25.68	369.9
120	0.598	24.71	295.5
130	0.389	20.97	125.0
140	0.155	12.98	19.9
150	0.169	13.73	23.6
160	0.125	11.11	12.9
170	0.114	10.31	10.7
180	0.129	11.38	13.8
190	0.149	12.64	18.3
200	0.146	12.46	17.6
210	0.412	21.47	140.3
220	0.586	24.53	283.8
230	0.658	25.54	357.8
240	0.774	26.95	495.1
250	0.906	28.31	678.3
260	0.978	28.98	790.4
270	0.928	28.52	711.7
280	0.707	26.16	413.1
290	0.603	24.78	300.5
300	0.845	27.71	590.1
310	0.814	27.38	547.6
320	0.612	24.91	309.5
330	0.723	26.35	432.0
340	0.900	28.26	669.4
350	0.965	28.86	769.5

**MAXIMA - Peak of Beam**

Angle	Field	ERP (dBk)	ERP (kW)
34	0.887	28.1	650.16
80	1.000	29.2	826.37
148	0.172	13.9	24.45
172	0.115	10.4	10.93
188	0.151	12.8	18.84
260	0.978	29.0	790.41
304	0.883	28.1	644.31
350	0.965	28.9	769.54

**MINIMA - Peak of Beam**

Angle	Field	ERP (dBk)	ERP (kW)
18	0.640	25.3	338.48
52	0.569	24.3	267.55
141	0.153	12.9	19.34
165	0.109	9.9	9.82
174	0.114	10.3	10.74
197	0.133	11.6	14.62
287	0.586	24.5	283.77
321	0.607	24.8	304.48

Prepared by Doug Lung

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## MAIN BEAM AZIMUTH PATTERN: Dielectric TUA-C3-6/18U-1-R DC SM

Main beam axis of symmetry: 350°true

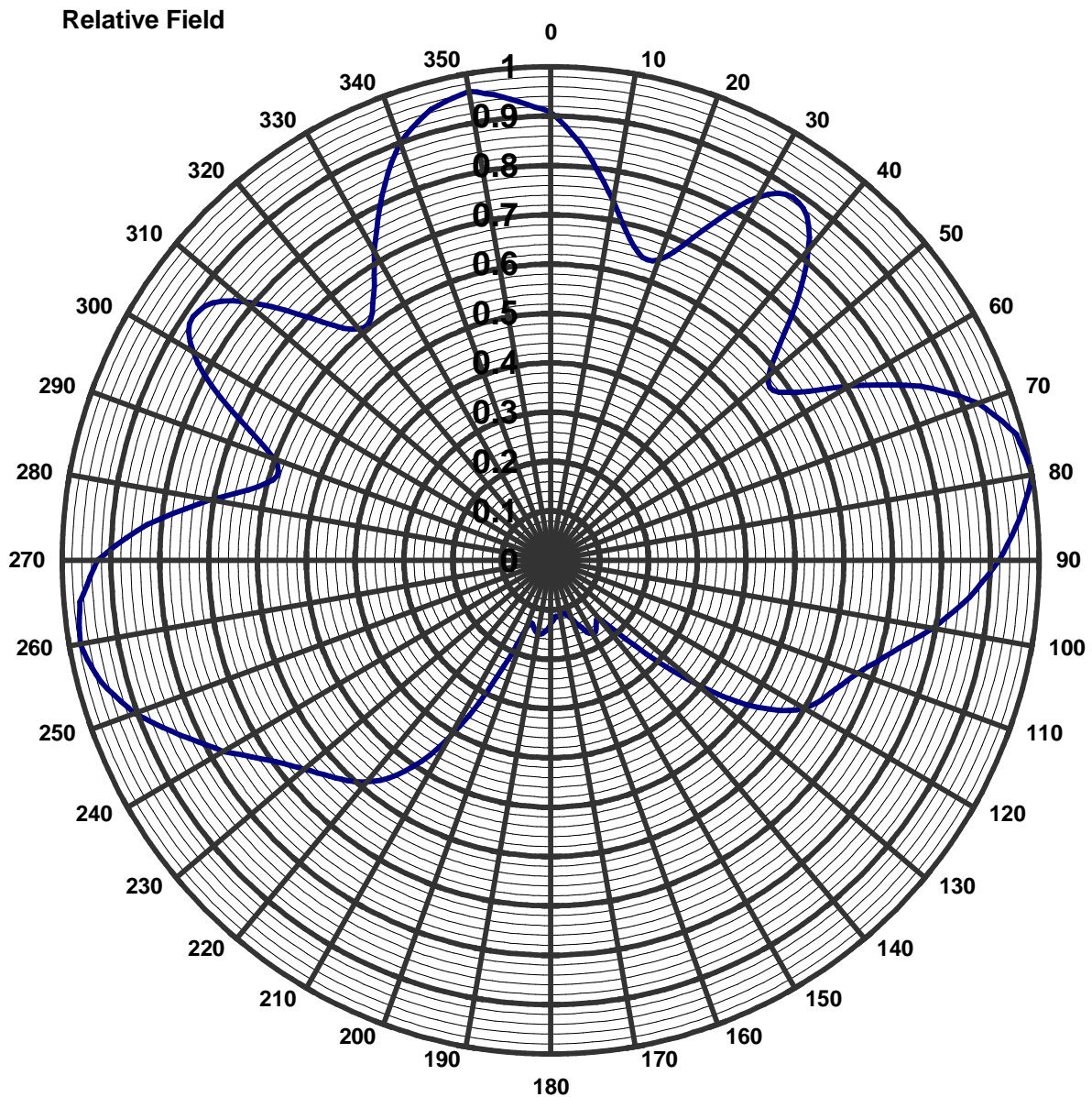
Electrical Beam Tilt: 0.70

Main Beam Calculated Maximum Azimuth Pattern Gain (peak): 2.00 (3.01 dBd)

Maximum Main Beam Effective Radiated Power (ERP): 826.37 kW

Maximum Peak of Beam Effective Radiated Power (ERP): 29.17 dBk

Main beam azimuth pattern



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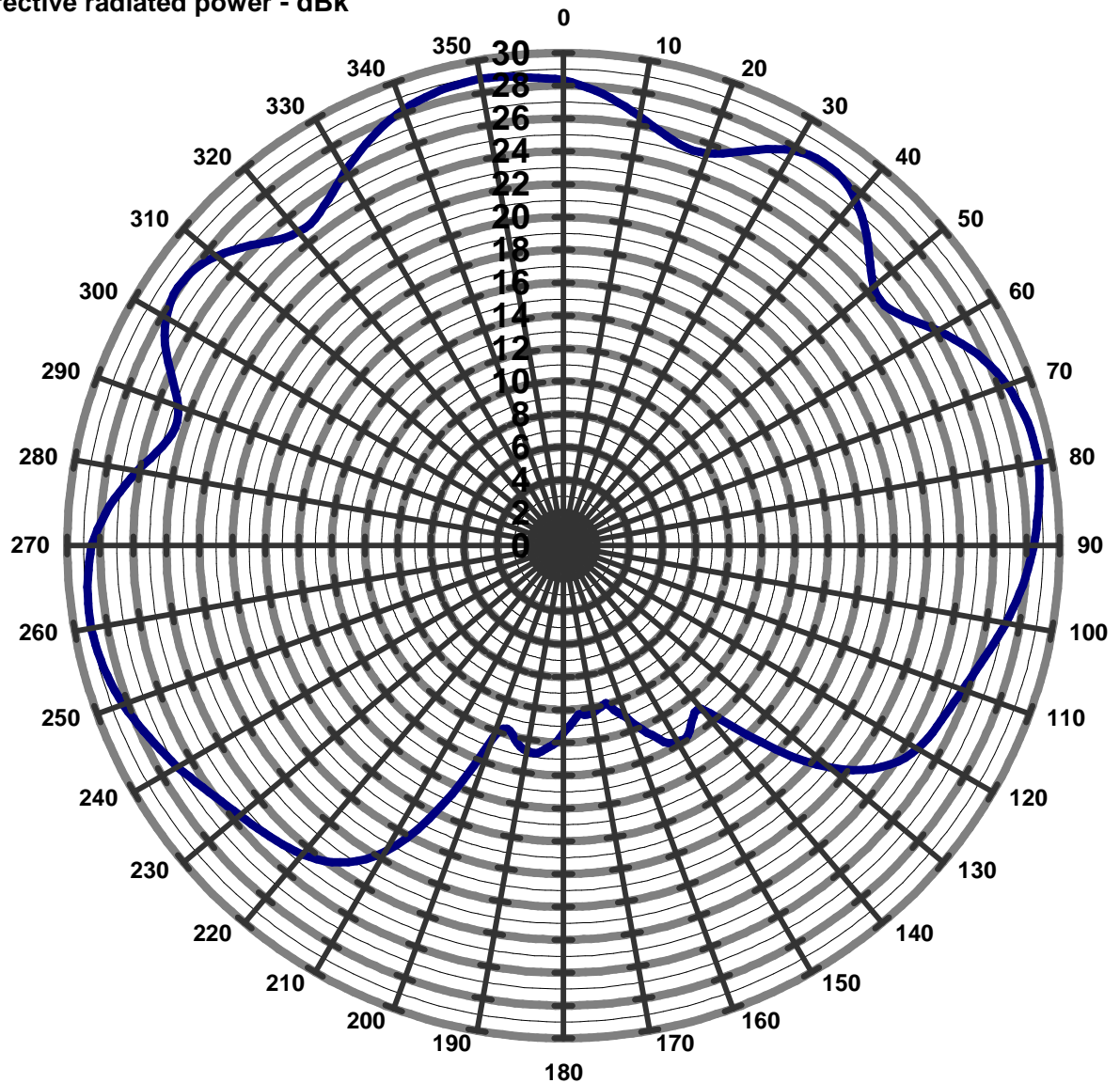
Main Beam Calculated Maximum Azimuth Pattern Gain (peak): 2.00 (3.01 dBd)

Maximum Main Beam Effective Radiated Power (ERP): 826.37 kW

Maximum Peak of Beam Effective Radiated Power (ERP): 29.17 dBk

Main beam azimuth pattern

Effective radiated power - dBk



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## ELEVATION PATTERN (Relative Field) : Dielectric TUA-C3-6/18U-1-R DC SM

Electrical Beam Tilt: 0.70°

Calculated Maximum Elevation Gain:

13.50

11.30 dBd

RMS Gain at Horizontal

12.30

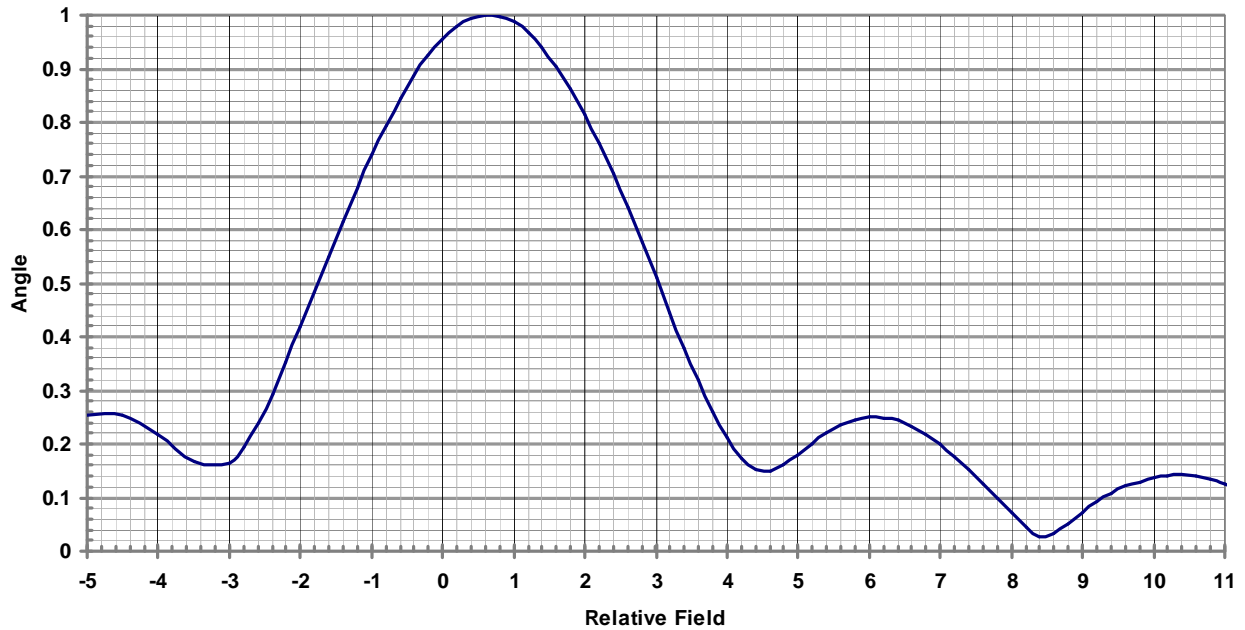
10.90 dBd

Maximum Effective Radiated Power (ERP):

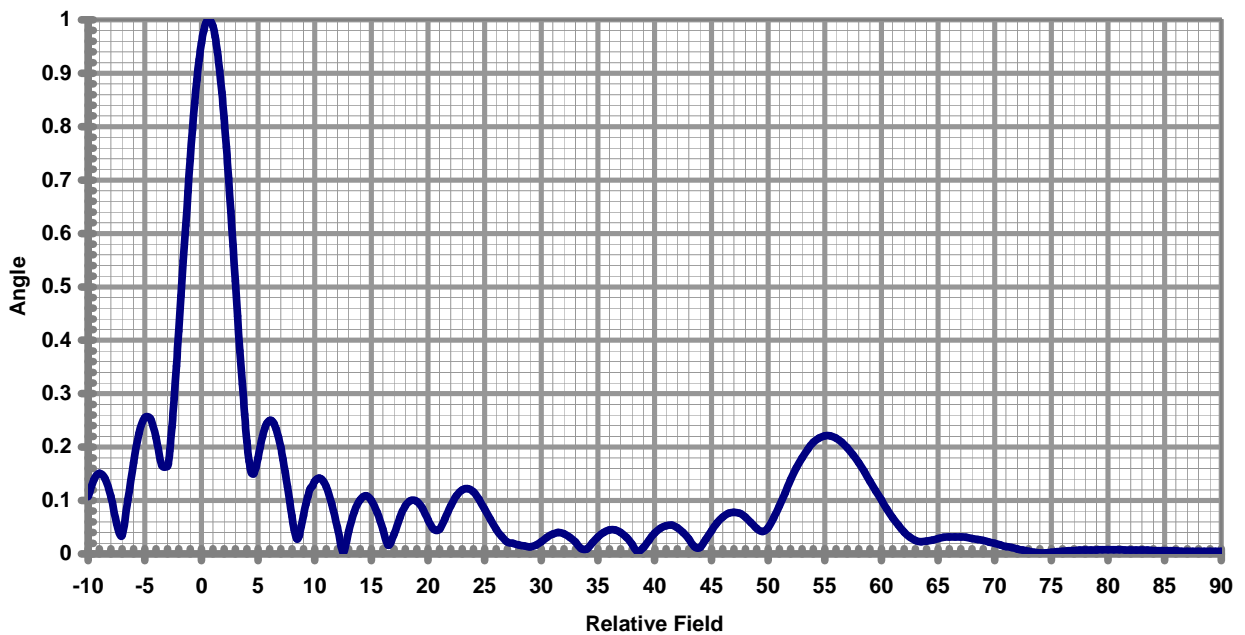
826.37 kW

29.17 dBk

Elevation Pattern - Relative Field



Elevation Pattern - Relative Field



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Calculated Maximum Elevation Gain:

13.50

11.30 dBd

RMS Gain at Horizontal

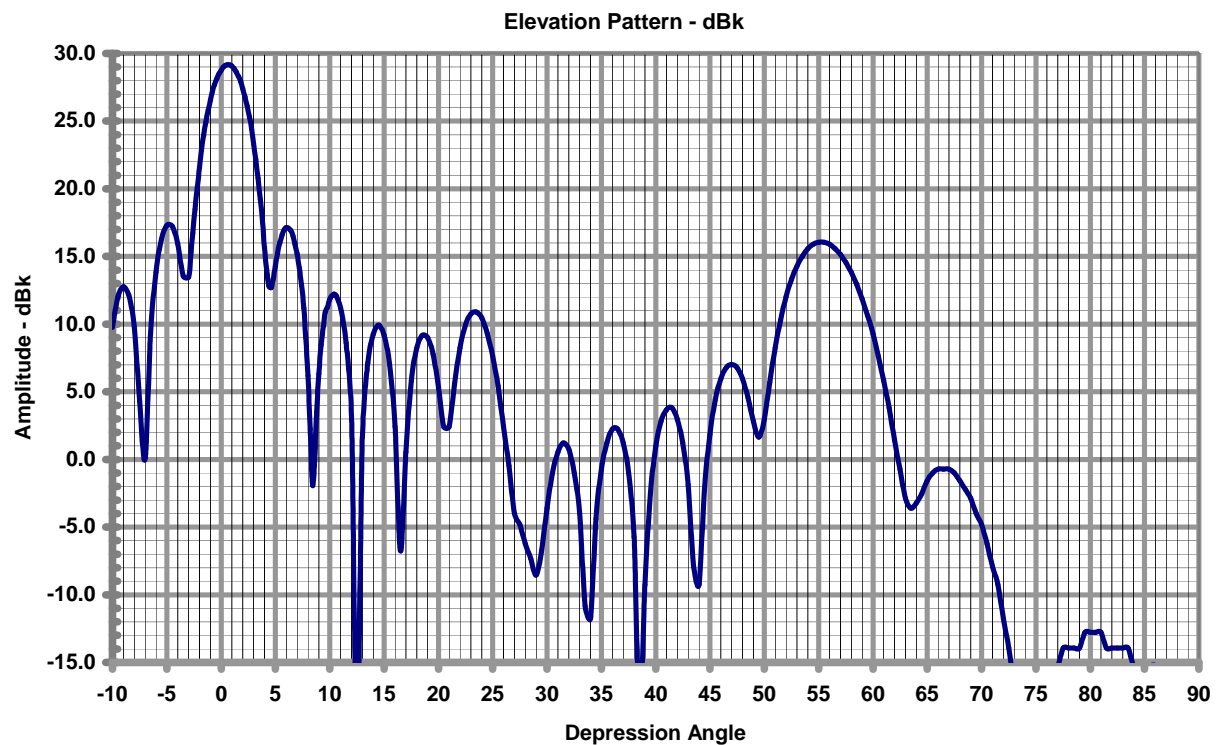
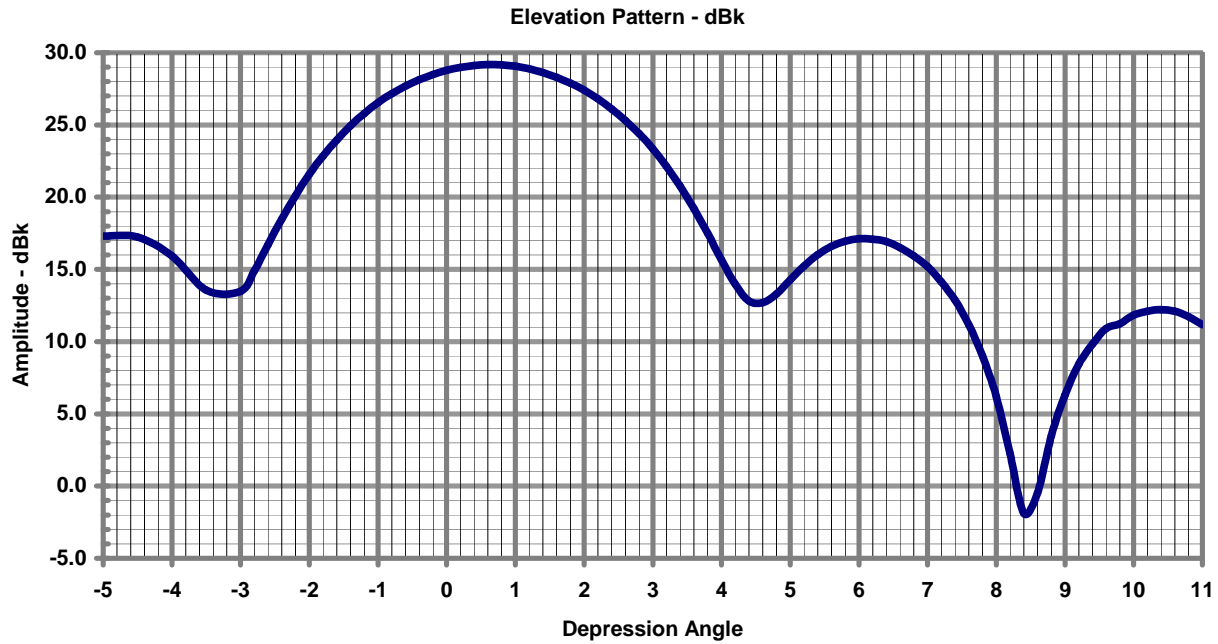
12.30

10.90 dBd

Maximum Effective Radiated Power (ERP):

826.37 kW

29.17 dBk



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Proposal Number **C-03629** Revision: **1**  
 Date **1-Jun-10**  
 Call Letters **KXAS-DT** Channel **41**  
 Location **Fort Worth, TX**  
 Customer  
 Antenna Type **TUA-C3-6/18U-1-R DC SM**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **06U135070-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.107	2.4	0.703	10.6	0.140	30.5	0.031	51.0	0.090	71.5	0.012
-9.5	0.139	2.6	0.641	10.8	0.134	31.0	0.037	51.5	0.114	72.0	0.009
-9.0	0.151	2.8	0.577	11.0	0.126	31.5	0.040	52.0	0.139	72.5	0.007
-8.5	0.141	3.0	0.511	11.5	0.094	32.0	0.038	52.5	0.161	73.0	0.005
-8.0	0.108	3.2	0.445	12.0	0.050	32.5	0.031	53.0	0.180	73.5	0.003
-7.5	0.057	3.4	0.380	12.5	0.003	33.0	0.022	53.5	0.196	74.0	0.002
-7.0	0.035	3.6	0.318	13.0	0.042	33.5	0.010	54.0	0.209	74.5	0.002
-6.5	0.101	3.8	0.261	13.5	0.079	34.0	0.009	54.5	0.217	75.0	0.003
-6.0	0.171	4.0	0.211	14.0	0.101	34.5	0.021	55.0	0.221	75.5	0.004
-5.5	0.226	4.2	0.174	14.5	0.109	35.0	0.032	55.5	0.221	76.0	0.005
-5.0	0.255	4.4	0.152	15.0	0.100	35.5	0.040	56.0	0.217	76.5	0.006
-4.5	0.253	4.6	0.150	15.5	0.078	36.0	0.045	56.5	0.209	77.0	0.006
-4.0	0.218	4.8	0.161	16.0	0.046	36.5	0.045	57.0	0.199	77.5	0.007
-3.5	0.166	5.0	0.180	16.5	0.016	37.0	0.040	57.5	0.186	78.0	0.007
-3.0	0.164	5.2	0.201	17.0	0.037	37.5	0.031	58.0	0.171	78.5	0.007
-2.8	0.193	5.4	0.220	17.5	0.068	38.0	0.018	58.5	0.154	79.0	0.007
-2.6	0.238	5.6	0.235	18.0	0.090	38.5	0.004	59.0	0.136	79.5	0.008
-2.4	0.292	5.8	0.245	18.5	0.100	39.0	0.012	59.5	0.118	80.0	0.008
-2.2	0.352	6.0	0.250	19.0	0.098	39.5	0.026	60.0	0.101	80.5	0.008
-2.0	0.417	6.2	0.249	19.5	0.085	40.0	0.039	60.5	0.084	81.0	0.008
-1.8	0.483	6.4	0.244	20.0	0.064	40.5	0.048	61.0	0.068	81.5	0.007
-1.6	0.549	6.6	0.233	20.5	0.046	41.0	0.053	61.5	0.054	82.0	0.007
-1.4	0.615	6.8	0.218	21.0	0.046	41.5	0.054	62.0	0.041	82.5	0.007
-1.2	0.678	7.0	0.200	21.5	0.066	42.0	0.049	62.5	0.032	83.0	0.007
-1.0	0.739	7.2	0.177	22.0	0.090	42.5	0.040	63.0	0.025	83.5	0.007
-0.8	0.794	7.4	0.153	22.5	0.109	43.0	0.028	63.5	0.023	84.0	0.006
-0.6	0.844	7.6	0.126	23.0	0.120	43.5	0.014	64.0	0.024	84.5	0.006
-0.4	0.888	7.8	0.098	23.5	0.122	44.0	0.012	64.5	0.026	85.0	0.006
-0.2	0.926	8.0	0.071	24.0	0.116	44.5	0.027	65.0	0.029	85.5	0.006
0.0	0.956	8.2	0.045	24.5	0.102	45.0	0.043	65.5	0.031	86.0	0.006
0.2	0.979	8.4	0.028	25.0	0.084	45.5	0.058	66.0	0.032	86.5	0.005
0.4	0.994	8.6	0.033	25.5	0.065	46.0	0.069	66.5	0.032	87.0	0.005
0.6	1.000	8.8	0.052	26.0	0.046	46.5	0.076	67.0	0.032	87.5	0.005
0.8	0.998	9.0	0.072	26.5	0.033	47.0	0.078	67.5	0.031	88.0	0.005
1.0	0.988	9.2	0.092	27.0	0.022	47.5	0.076	68.0	0.029	88.5	0.005
1.2	0.968	9.4	0.108	27.5	0.020	48.0	0.069	68.5	0.027	89.0	0.005
1.4	0.940	9.6	0.122	28.0	0.017	48.5	0.059	69.0	0.025	89.5	0.005
1.6	0.905	9.8	0.127	28.5	0.015	49.0	0.048	69.5	0.022	90.0	0.005
1.8	0.864	10.0	0.136	29.0	0.013	49.5	0.042	70.0	0.020		
2.0	0.816	10.2	0.140	29.5	0.016	50.0	0.049	70.5	0.017		
2.2	0.762	10.4	0.142	30.0	0.023	50.5	0.067	71.0	0.014		

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