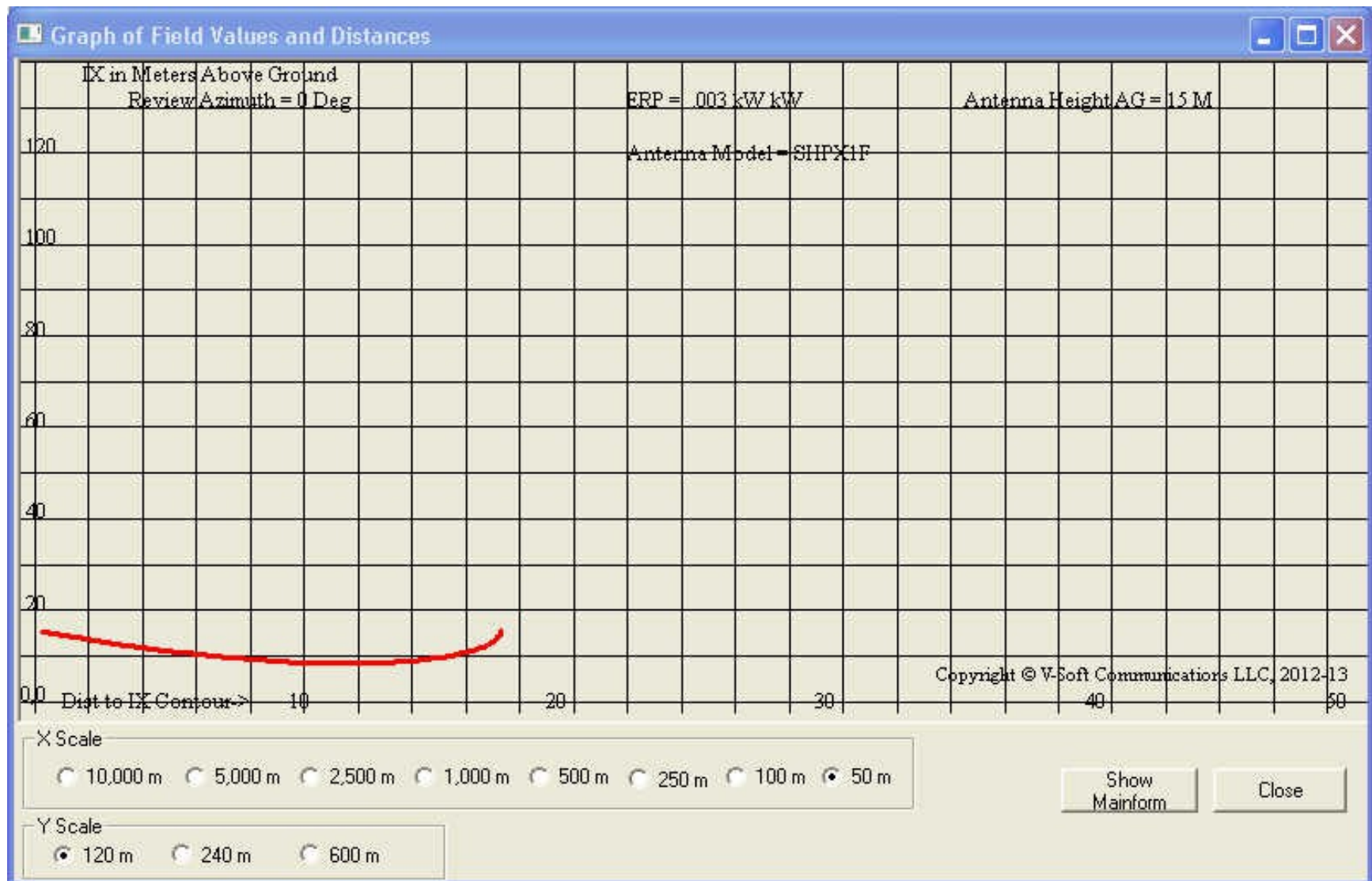


Technical Exhibit
PAYSON, AZ 255L

The instant application seeks a waiver of the second adjacent minimum distance separation requirement of 47 C.F.R. Section 73.807. The proposed facility will not interfere with any authorized radio service, specifically, KMZQ-FM LIC & APP

Below is a graphic and tabular output showing the interfering 117 dB F(50,10) contour of the proposed facility, with respect to KMSZQ-FM LIC, which does not reach ground level. There are no buildings within this contour.



NEW PAYSON, AZ

Translator 74.1204(d) Showing

Translator Maximum Licensed ERP = 0.003

Translator Antenna Height AG = 15 Meters

NEW Antenna Model = SHPX1F

Protected Station's Contour = 76.75235 dBu

Translator's full Interference contour 116.75235

Review Azimuth = 0 Degrees True

Horizontal Relative Field at Review Azimuth = 1.000

Horizontal Translator ERP at Review Azimuth = 0.003 kW

Distance between stations = 7.8

Protected Station= KMZQ-F, 17 kW, 1457 M Meters COR AMSL

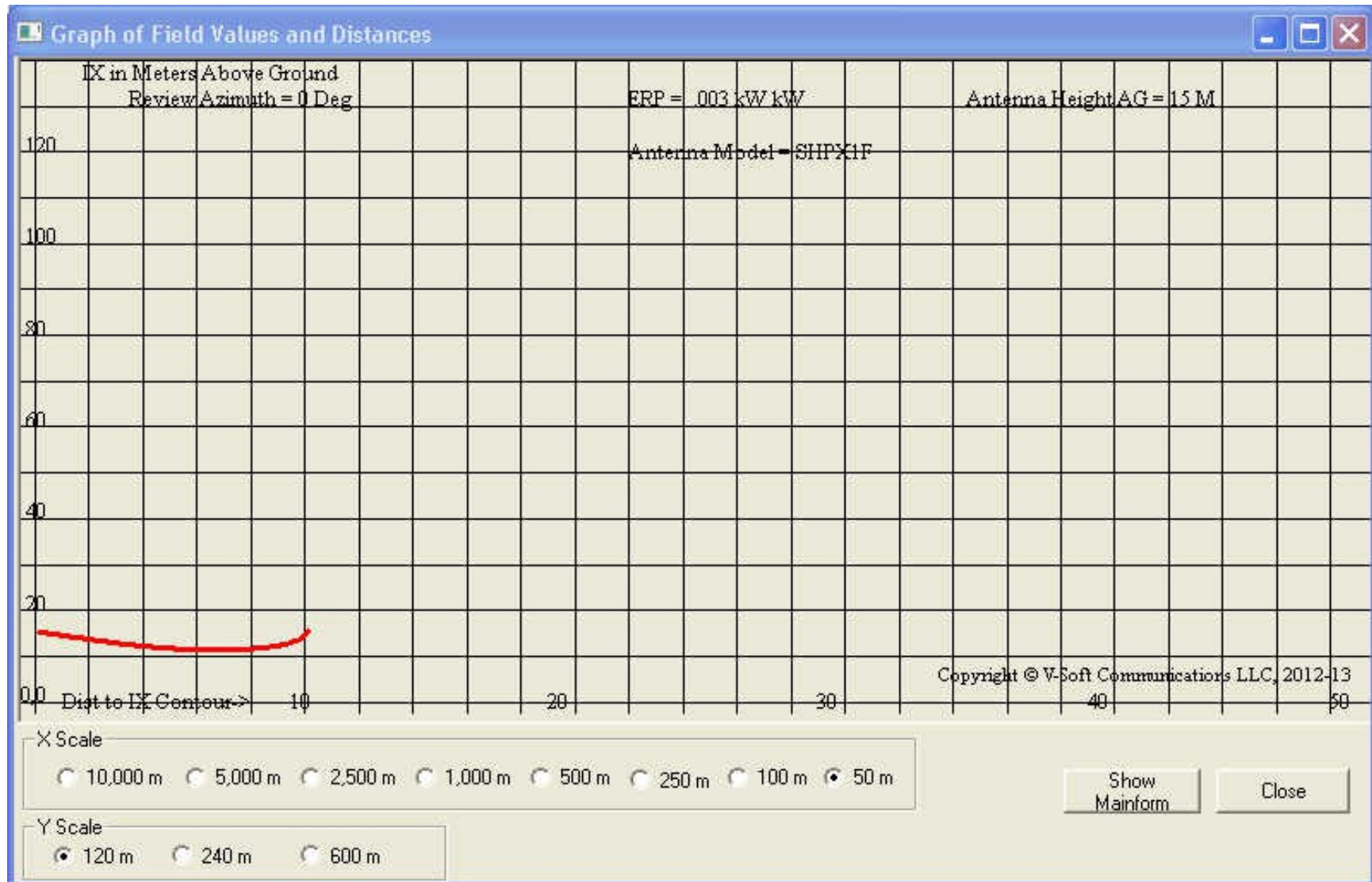
Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0030	017.6581	017.6581	015.000
01.00	1.0	1.0	0.0030	017.6581	017.6554	014.692
02.00	0.999	1.0	0.0030	017.6404	017.6297	014.384
03.00	0.998	1.0	0.0030	017.6227	017.5986	014.078
04.00	0.996	1.0	0.0030	017.5874	017.5446	013.773
05.00	0.993	1.0	0.0030	017.5345	017.4677	013.472
06.00	0.99	1.0	0.0029	017.4815	017.3857	013.173
07.00	0.987	1.0	0.0029	017.4285	017.2986	012.876
08.00	0.983	1.0	0.0029	017.3579	017.1890	012.584
09.00	0.979	1.0	0.0029	017.2872	017.0744	012.296
10.00	0.974	1.0	0.0028	017.1990	016.9377	012.013
11.00	0.968	1.0	0.0028	017.0930	016.7790	011.739
12.00	0.962	1.0	0.0028	016.9871	016.6159	011.468
13.00	0.956	1.0	0.0027	016.8811	016.4484	011.203
14.00	0.949	1.0	0.0027	016.7575	016.2597	010.946
15.00	0.941	1.0	0.0027	016.6162	016.0501	010.699
16.00	0.933	1.0	0.0026	016.4750	015.8368	010.459
17.00	0.925	1.0	0.0026	016.3337	015.6200	010.224
18.00	0.916	1.0	0.0025	016.1748	015.3831	010.002
19.00	0.907	1.0	0.0025	016.0159	015.1433	009.786

20.00	0.897	1.0	0.0024	015.8393	014.8841	009.583
21.00	0.887	1.0	0.0024	015.6627	014.6224	009.387
22.00	0.877	1.0	0.0023	015.4861	014.3585	009.199
23.00	0.866	1.0	0.0022	015.2919	014.0763	009.025
24.00	0.855	1.0	0.0022	015.0976	013.7924	008.859
25.00	0.843	1.0	0.0021	014.8857	013.4911	008.709
26.00	0.831	1.0	0.0021	014.6739	013.1888	008.567
27.00	0.819	1.0	0.0020	014.4620	012.8857	008.434
28.00	0.806	1.0	0.0019	014.2324	012.5665	008.318
29.00	0.793	1.0	0.0019	014.0028	012.2472	008.211
30.00	0.78	1.0	0.0018	013.7733	011.9280	008.113
31.00	0.766	1.0	0.0018	013.5261	011.5941	008.034
32.00	0.752	1.0	0.0017	013.2789	011.2611	007.963
33.00	0.738	1.0	0.0016	013.0317	010.9293	007.902
34.00	0.723	1.0	0.0016	012.7668	010.5841	007.861
35.00	0.709	1.0	0.0015	012.5196	010.2554	007.819
36.00	0.694	1.0	0.0014	012.2547	009.9143	007.797
37.00	0.679	1.0	0.0014	011.9898	009.5755	007.784
38.00	0.664	1.0	0.0013	011.7250	009.2394	007.781
39.00	0.648	1.0	0.0013	011.4424	008.8924	007.799
40.00	0.633	1.0	0.0012	011.1776	008.5625	007.815
41.00	0.617	1.0	0.0011	010.8950	008.2226	007.852
42.00	0.601	1.0	0.0011	010.6125	007.8866	007.899
43.00	0.586	1.0	0.0010	010.3476	007.5678	007.943
44.00	0.57	1.0	0.0010	010.0651	007.2402	008.008
45.00	0.554	1.0	0.0009	009.7826	006.9173	008.083
46.00	0.537	1.0	0.0009	009.4824	006.5870	008.179
47.00	0.521	1.0	0.0008	009.1999	006.2743	008.272
48.00	0.505	1.0	0.0008	008.9173	005.9669	008.373
49.00	0.489	1.0	0.0007	008.6348	005.6649	008.483
50.00	0.473	1.0	0.0007	008.3523	005.3687	008.602
51.00	0.457	1.0	0.0006	008.0697	005.0784	008.729
52.00	0.441	1.0	0.0006	007.7872	004.7943	008.864
53.00	0.425	1.0	0.0005	007.5047	004.5164	009.006
54.00	0.409	1.0	0.0005	007.2221	004.2451	009.157
55.00	0.394	1.0	0.0005	006.9573	003.9905	009.301
56.00	0.378	1.0	0.0004	006.6747	003.7325	009.466
57.00	0.362	1.0	0.0004	006.3922	003.4815	009.639
58.00	0.347	1.0	0.0004	006.1273	003.2470	009.804
59.00	0.332	1.0	0.0003	005.8625	003.0194	009.975

60.00	0.317	1.0	0.0003	005.5976	002.7988	010.152
61.00	0.302	1.0	0.0003	005.3327	002.5854	010.336
62.00	0.288	1.0	0.0002	005.0855	002.3875	010.510
63.00	0.273	1.0	0.0002	004.8207	002.1885	010.705
64.00	0.259	1.0	0.0002	004.5734	002.0049	010.889
65.00	0.245	1.0	0.0002	004.3262	001.8283	011.079
66.00	0.232	1.0	0.0002	004.0967	001.6663	011.258
67.00	0.219	1.0	0.0001	003.8671	001.5110	011.440
68.00	0.206	1.0	0.0001	003.6376	001.3627	011.627
69.00	0.193	1.0	0.0001	003.4080	001.2213	011.818
70.00	0.181	1.0	0.0001	003.1961	001.0931	011.997
71.00	0.169	1.0	0.0001	002.9842	000.9716	012.178
72.00	0.157	1.0	0.0001	002.7723	000.8567	012.363
73.00	0.146	1.0	0.0001	002.5781	000.7538	012.535
74.00	0.135	1.0	0.0001	002.3838	000.6571	012.709
75.00	0.124	1.0	0.0000	002.1896	000.5667	012.885
76.00	0.114	1.0	0.0000	002.0130	000.4870	013.047
77.00	0.104	1.0	0.0000	001.8364	000.4131	013.211
78.00	0.095	1.0	0.0000	001.6775	000.3488	013.359
79.00	0.086	1.0	0.0000	001.5186	000.2898	013.509
80.00	0.077	1.0	0.0000	001.3597	000.2361	013.661
81.00	0.069	1.0	0.0000	001.2184	000.1906	013.797
82.00	0.061	1.0	0.0000	001.0771	000.1499	013.933
83.00	0.054	1.0	0.0000	000.9535	000.1162	014.054
84.00	0.047	1.0	0.0000	000.8299	000.0868	014.175
85.00	0.041	1.0	0.0000	000.7240	000.0631	014.279
86.00	0.035	1.0	0.0000	000.6180	000.0431	014.383
87.00	0.029	1.0	0.0000	000.5121	000.0268	014.489
88.00	0.024	1.0	0.0000	000.4238	000.0148	014.576
89.00	0.02	1.0	0.0000	000.3532	000.0062	014.647
90.00	0.016	1.0	0.0000	000.2825	000.0000	014.717

X-Field™ By V-Soft Communications®LLC

Below is a graphic and tabular output showing the interfering 121 dB F(50,10) contour of the proposed facility, with respect to KMSZQ-FM APP, which does not reach ground level. There are no buildings within this contour.



NEW PAYSON, AZ

Translator 74.1204(d) Showing

Translator Maximum Licensed ERP = 0.003

Translator Antenna Height AG = 15 Meters

NEW Antenna Model = SHPX1F

Protected Station's Contour = 81.43756 dBu

Translator's full Interference contour 121.43756

Review Azimuth = 0 Degrees True

Horizontal Relative Field at Review Azimuth = 1.000

Horizontal Translator ERP at Review Azimuth = 0.003 kW

Distance between stations = 7.8

Protected Station= KMZQ-F, 50 kW, 1475 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw) Contour Dep.	Dist to IX Along Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0030	010.2963	010.2963	015.000
01.00	1.0	1.0	0.0030	010.2963	010.2948	014.820
02.00	0.999	1.0	0.0030	010.2860	010.2798	014.641
03.00	0.998	1.0	0.0030	010.2757	010.2617	014.462
04.00	0.996	1.0	0.0030	010.2551	010.2302	014.285
05.00	0.993	1.0	0.0030	010.2243	010.1854	014.109
06.00	0.99	1.0	0.0029	010.1934	010.1375	013.935
07.00	0.987	1.0	0.0029	010.1625	010.0867	013.762
08.00	0.983	1.0	0.0029	010.1213	010.0228	013.591
09.00	0.979	1.0	0.0029	010.0801	009.9560	013.423
10.00	0.974	1.0	0.0028	010.0286	009.8763	013.259
11.00	0.968	1.0	0.0028	009.9669	009.7837	013.098
12.00	0.962	1.0	0.0028	009.9051	009.6886	012.941
13.00	0.956	1.0	0.0027	009.8433	009.5910	012.786
14.00	0.949	1.0	0.0027	009.7712	009.4810	012.636
15.00	0.941	1.0	0.0027	009.6889	009.3587	012.492
16.00	0.933	1.0	0.0026	009.6065	009.2343	012.352
17.00	0.925	1.0	0.0026	009.5241	009.1080	012.215
18.00	0.916	1.0	0.0025	009.4314	008.9698	012.086
19.00	0.907	1.0	0.0025	009.3388	008.8300	011.960

20.00	0.897	1.0	0.0024	009.2358	008.6788	011.841
21.00	0.887	1.0	0.0024	009.1328	008.5262	011.727
22.00	0.877	1.0	0.0023	009.0299	008.3724	011.617
23.00	0.866	1.0	0.0022	008.9166	008.2078	011.516
24.00	0.855	1.0	0.0022	008.8034	008.0423	011.419
25.00	0.843	1.0	0.0021	008.6798	007.8666	011.332
26.00	0.831	1.0	0.0021	008.5563	007.6903	011.249
27.00	0.819	1.0	0.0020	008.4327	007.5136	011.172
28.00	0.806	1.0	0.0019	008.2988	007.3274	011.104
29.00	0.793	1.0	0.0019	008.1650	007.1413	011.042
30.00	0.78	1.0	0.0018	008.0311	006.9552	010.984
31.00	0.766	1.0	0.0018	007.8870	006.7605	010.938
32.00	0.752	1.0	0.0017	007.7428	006.5663	010.897
33.00	0.738	1.0	0.0016	007.5987	006.3728	010.861
34.00	0.723	1.0	0.0016	007.4442	006.1716	010.837
35.00	0.709	1.0	0.0015	007.3001	005.9799	010.813
36.00	0.694	1.0	0.0014	007.1457	005.7810	010.800
37.00	0.679	1.0	0.0014	006.9912	005.5834	010.793
38.00	0.664	1.0	0.0013	006.8368	005.3874	010.791
39.00	0.648	1.0	0.0013	006.6720	005.1851	010.801
40.00	0.633	1.0	0.0012	006.5176	004.9928	010.811
41.00	0.617	1.0	0.0011	006.3528	004.7945	010.832
42.00	0.601	1.0	0.0011	006.1881	004.5987	010.859
43.00	0.586	1.0	0.0010	006.0337	004.4127	010.885
44.00	0.57	1.0	0.0010	005.8689	004.2217	010.923
45.00	0.554	1.0	0.0009	005.7042	004.0335	010.967
46.00	0.537	1.0	0.0009	005.5291	003.8409	011.023
47.00	0.521	1.0	0.0008	005.3644	003.6585	011.077
48.00	0.505	1.0	0.0008	005.1996	003.4792	011.136
49.00	0.489	1.0	0.0007	005.0349	003.3032	011.200
50.00	0.473	1.0	0.0007	004.8702	003.1305	011.269
51.00	0.457	1.0	0.0006	004.7054	002.9612	011.343
52.00	0.441	1.0	0.0006	004.5407	002.7955	011.422
53.00	0.425	1.0	0.0005	004.3759	002.6335	011.505
54.00	0.409	1.0	0.0005	004.2112	002.4753	011.593
55.00	0.394	1.0	0.0005	004.0568	002.3269	011.677
56.00	0.378	1.0	0.0004	003.8920	002.1764	011.773
57.00	0.362	1.0	0.0004	003.7273	002.0300	011.874
58.00	0.347	1.0	0.0004	003.5728	001.8933	011.970
59.00	0.332	1.0	0.0003	003.4184	001.7606	012.070

60.00	0.317	1.0	0.0003	003.2639	001.6320	012.173
61.00	0.302	1.0	0.0003	003.1095	001.5075	012.280
62.00	0.288	1.0	0.0002	002.9653	001.3921	012.382
63.00	0.273	1.0	0.0002	002.8109	001.2761	012.495
64.00	0.259	1.0	0.0002	002.6668	001.1690	012.603
65.00	0.245	1.0	0.0002	002.5226	001.0661	012.714
66.00	0.232	1.0	0.0002	002.3887	000.9716	012.818
67.00	0.219	1.0	0.0001	002.2549	000.8811	012.924
68.00	0.206	1.0	0.0001	002.1210	000.7946	013.033
69.00	0.193	1.0	0.0001	001.9872	000.7121	013.145
70.00	0.181	1.0	0.0001	001.8636	000.6374	013.249
71.00	0.169	1.0	0.0001	001.7401	000.5665	013.355
72.00	0.157	1.0	0.0001	001.6165	000.4995	013.463
73.00	0.146	1.0	0.0001	001.5033	000.4395	013.562
74.00	0.135	1.0	0.0001	001.3900	000.3831	013.664
75.00	0.124	1.0	0.0000	001.2767	000.3304	013.767
76.00	0.114	1.0	0.0000	001.1738	000.2840	013.861
77.00	0.104	1.0	0.0000	001.0708	000.2409	013.957
78.00	0.095	1.0	0.0000	000.9782	000.2034	014.043
79.00	0.086	1.0	0.0000	000.8855	000.1690	014.131
80.00	0.077	1.0	0.0000	000.7928	000.1377	014.219
81.00	0.069	1.0	0.0000	000.7104	000.1111	014.298
82.00	0.061	1.0	0.0000	000.6281	000.0874	014.378
83.00	0.054	1.0	0.0000	000.5560	000.0678	014.448
84.00	0.047	1.0	0.0000	000.4839	000.0506	014.519
85.00	0.041	1.0	0.0000	000.4221	000.0368	014.579
86.00	0.035	1.0	0.0000	000.3604	000.0251	014.641
87.00	0.029	1.0	0.0000	000.2986	000.0156	014.702
88.00	0.024	1.0	0.0000	000.2471	000.0086	014.753
89.00	0.02	1.0	0.0000	000.2059	000.0036	014.794
90.00	0.016	1.0	0.0000	000.1647	000.0000	014.835

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