Exhibit 13 - FM Channel Study

FM Channel Study
Kilgore Broadcast Maintenance

WHBY Xltr on WHBY NW Tower 250W Dirl
Woodward

REFERENCE CH# 292D - 106.3 MHz, Pwr= 0.25 kW DA, HAAT= 82.1 M, COR= 320 M DISPLAY DATES
44 08 24.1 N. Average Protected F(50-50)= 11.71 km DATA 04-29-17
88 32 49.3 W. Standard Directional SEARCH 05-17-17

CH CALL / CITY	TYPE ANT / STATE	AZI / <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* / (Overlap in km)	*OUT*	
292D W246AY	CP _C_	170.0	8.55	44 03 51.1	0.190	32.6	9.8	-35.6*	-41.1*	/1
Oshkosh	WI	350.1	BPFT20160729AEP	88 31 42.6		319	Woodward Communications, I			
289C0 WAPL	LIC _CX	61.3	50.92	44 21 32.0	100.000	11.0	76.7	29.1	-26.5*	
Appleton	WI	241.7	BMLH20050610AGX	87 59 07.0	358	597	Woodward Communications, I			/2
292D W292DR	LIC _C_	61.3	50.93	44 21 32.0	0.250	50.1	15.2	-10.0	1.1	
De Pere	WI	241.7	BLFT20090227AAN	87 59 06.6	135	378	Woodward Communications, I			/3
291D W291CM	LIC _C_	43.7	22.83	44 17 18.0	0.013	9.3	6.7	4.3	3.7	
Appleton	WI	223.8	BLFT20160415AAB	88 20 55.6		342	Educational Media Foundati			
293C1 WYTE	LIC _CX	298.8	117.94	44 38 39.0	100.000	100.2	68.3	7.7	36.6	
Marshfield	WI	117.9	BMLH20131104ABU	89 51 12.0	244	596	Nrg License Sub, Llc			
294C3 WKRU	LIC NCN	51.5	61.81	44 29 03.0	25.000	4.6	43.1	47.0	18.0	
Allouez	WI	232.0	BLH19970102KA	87 56 12.0	100	315	Cumulus Licensing Llc			
293A WHBZ	LIC NCN	125.3	80.03	43 43 16.0	6.000	33.7	22.4	34.2	39.6	
Sheboygan Falls	WI	305.9	BLH19970418KB	87 44 03.0	73	279	Midwest Communications, In			
291B WMIL-FM	LIC _CX	155.7	127.07	43 05 46.0	12.000	76.3	65.1	39.0	37.2	
Waukesha	WI	336.2	BLH20070606ABQ	87 54 15.0	304	503	Clear Channel Broadcasting			
295A WPAK-FM	LIC ZCX	332.2	58.00	44 36 03.0	3.500	1.5	17.8	48.3	37.3	
Tigerton	WI	151.9	BLH20170119AAH	88 53 21.0	132	396	Multi-cultural Diversity R			
292A WWQM-FM	LIC _CX	212.3	142.79	43 03 03.0	4.500	89.4	31.3	41.9	72.5	
Middleton	WI	31.7	BMLH20160920ABW	89 29 13.0	114	412	Mid-west Management, Inc.			
292C2 WMXG	LIC _C_	28.5	190.85	45 38 36.0	50.000	138.2	52.4	44.2	111.2	
Stephenson	MI	209.3	BLH19990721KD	87 22 37.0	150	373	Escanaba License Corp.			

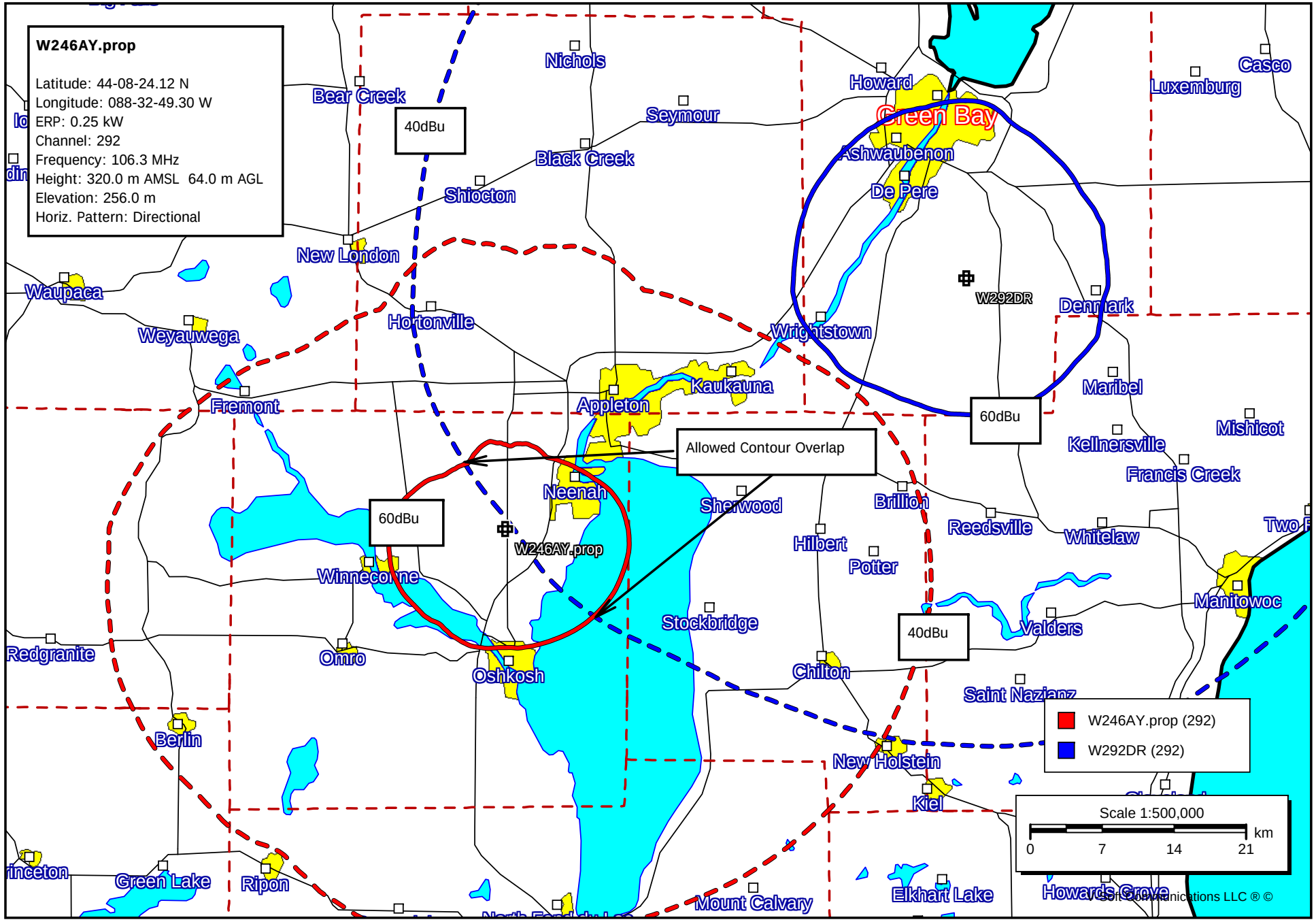
Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
Reference station has protected zone issue: AM tower

/1 This is the subject facility
/2 Please see waiver request on following pages
/3 Please see attached map.

Protected zones report for W246AY.p on channel 292D 05-17-2017
Lat. 44 08 24.1 Lng. 88 32 49.3, ERP= 0.25 kw, HAAT= 82.1 m

Facility is okay with respect to Canada. Distance = 405.4 km.
Closest AM Facility is WHBY, KIMBERLY, WI, L, DA2 at 150.0° at a distance of 0.1 km
Facility is okay with respect to FCC monitoring stations.
Closest FCC Monitoring Station is 270.5 km= Allegan, MI
Facility is okay toward West Virginia Quiet Zone. Distance to center = 992.4 km
Facility is okay toward Table Mountain. Distance to Center = 1449.9 km, Azimuth = 257.8 Degrees True

Exhibit 13 - W292DR Contours



Waiver For Compliance with 47 C.F.R. 74.1204

Interference to WAPL

The site for the facility of proposed CP amendment is located within the protected contour of third-adjacent channel station WAPL, channel 289C0, in Appleton, WI, the Protected Station. The predicted contour at the proposed site for this amendment is 71.4 dBu F[50,50]. According to established contour protection ratios, the contour from the interfering station should be 40 dB higher than the protected contour. Therefore the respective potential interfering contour for this proposed amendment is 111.4 dBu F[50,10] (the "Affected Area").

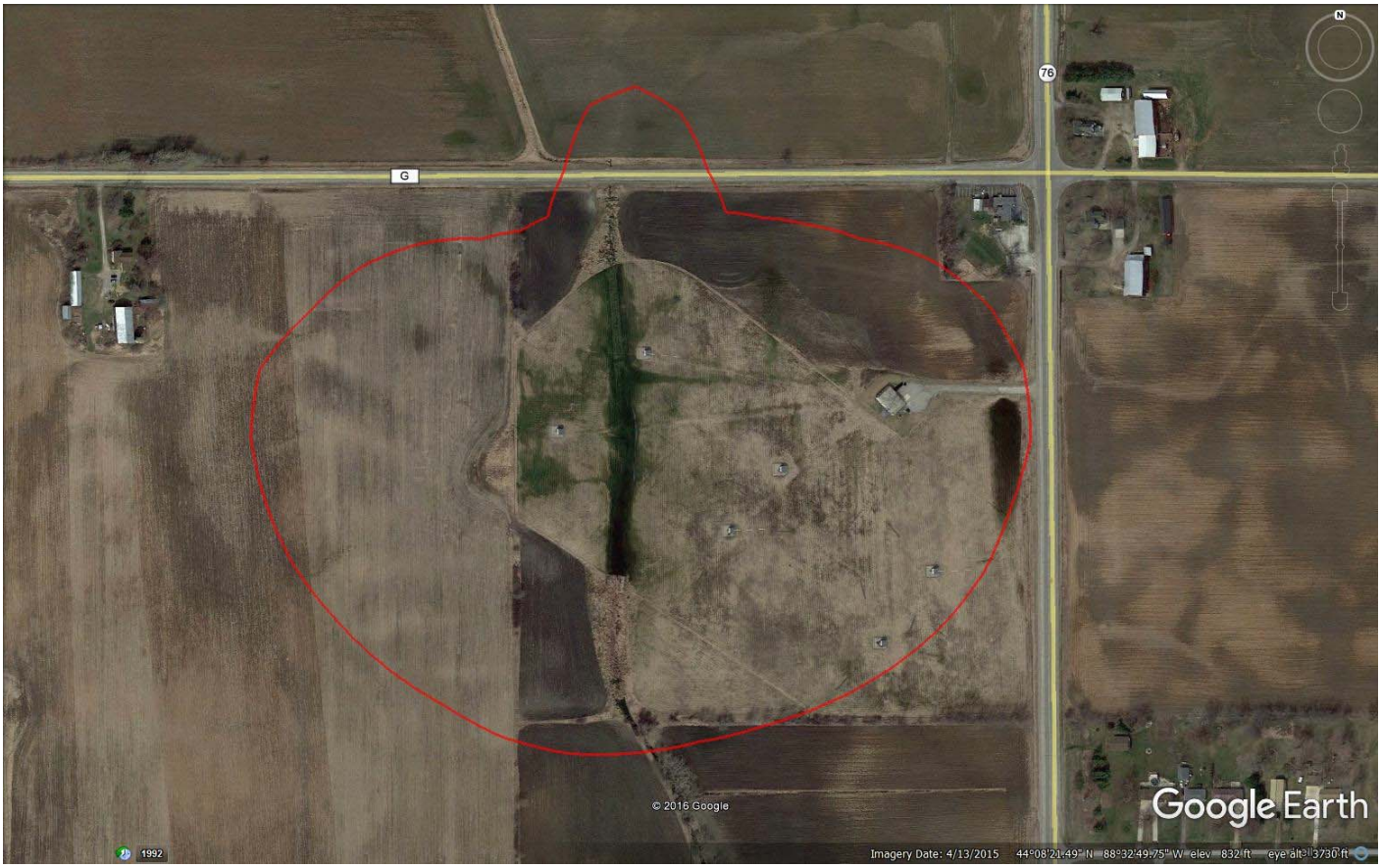


Figure 1

The antenna is proposed to be located with radiation center 64 meters AGL transmitting 0.250 KW ERP. Applicant proposes to use a PSI antenna model PSIFMT-2A-6DB-75WAVE, which is a two-bay directional antenna with ¾ wavelength vertical bay spacing.

The 111.4 dBu directional contour is displayed in **Figure 1**. The directional contour is displayed in red. Within the Affected Area the only structures are the transmitter building and the small buildings at each tower base. There are no other structures where the public might be located within the Affected Area. The only other public location within the Affected Area is a portion of a County Road G, marked within a dashed red box in **Figure 2**. A graphical representation of radiation in the vertical plane at the azimuth of maximum ERP over the public area is displayed on a following page. It shows the interference hovers more than 8 meters above the reference elevation. The ground elevation is approximately 3 meters above the site elevation within that only public portion of the Affected Area. There is also tabular data at the end of this document.

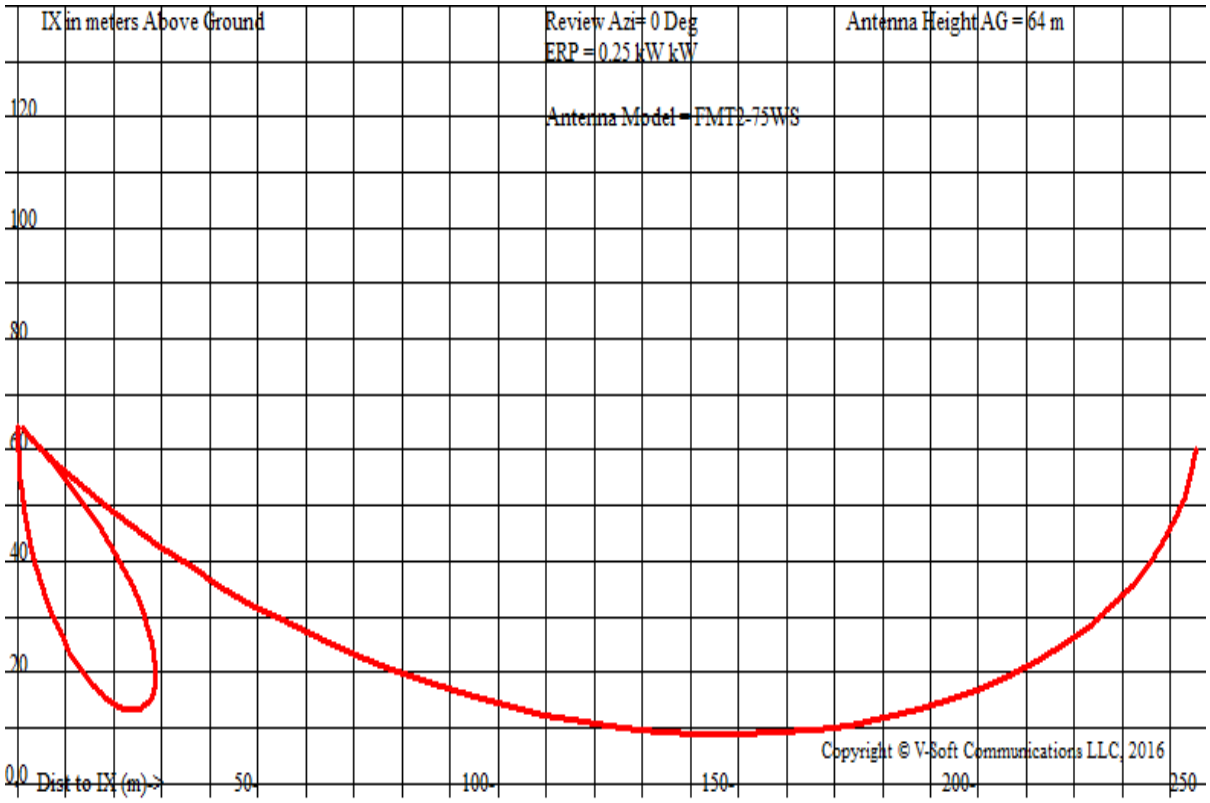
Figure 2

Request for Waiver

No buildings, roads or other structures that the public would normally occupy would put the public within the interference pattern radiated by the antenna.

Since this proposal complies with 47 C.F.R. 74.1204(d) based upon the fact that no actual interference will occur due to no population and no public locations within the areas of interference, we hereby request waiver of 47 C.F.R. 74.1204(a)(3) for separation between this proposed facility and the Protected Station.

Please see the Vertical Radiation Chart and Table on the following page.



W246AY.p ,
74.1204(d) Showing
Translator or LPFM Maximum Licensed ERP = 0.25
Translator or LPFM Antenna Height AG = 64 Meters
W246AY.p Antenna Model = FMT2-75WS

Protected Station's Contour = 71.36818 dBu
Translator's or LPFM's full Interference contour 111.36818

Review Azimuth = 0 Degrees True
Relative Field on the horizon at Review Azimuth = 0.699
Translator/LPFM ERP on the horizon at Review Azimuth = 0.122 kW
Distance between stations = 50.9 km
Protected Station= WAPL, 100 kW, 597 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)
00.0	1.0	0.7	0.1748	250.4953	250.4953	064.000
01.0	0.999	0.7	0.1744	250.2448	250.2067	059.633
02.0	0.996	0.7	0.1734	249.4933	249.3413	055.293
03.0	0.991	0.7	0.1716	248.2408	247.9006	051.008
04.0	0.984	0.7	0.1692	246.4874	245.8870	046.806
05.0	0.975	0.7	0.1661	244.2329	243.3035	042.714
06.0	0.964	0.7	0.1624	241.4775	240.1546	038.759
07.0	0.952	0.7	0.1584	238.4715	236.6940	034.938
08.0	0.937	0.7	0.1534	234.7141	232.4299	031.334
09.0	0.921	0.7	0.1482	230.7062	227.8658	027.910
10.0	0.903	0.7	0.1425	226.1973	222.7608	024.721
11.0	0.884	0.7	0.1366	221.4379	217.3694	021.748
12.0	0.863	0.7	0.1301	216.1774	211.4534	019.054
13.0	0.840	0.7	0.1233	210.4161	205.0231	016.667
14.0	0.817	0.7	0.1166	204.6547	198.5755	014.490
15.0	0.792	0.7	0.1096	198.3923	191.6322	012.652
16.0	0.765	0.7	0.1023	191.6289	184.2055	011.180
17.0	0.738	0.7	0.0952	184.8655	176.7878	009.951
18.0	0.710	0.7	0.0881	177.8517	169.1470	009.041
19.0	0.680	0.7	0.0808	170.3368	161.0566	008.544
20.0	0.650	0.7	0.0738	162.8219	153.0026	008.312
21.0	0.620	0.7	0.0672	155.3071	144.9917	008.343
22.0	0.589	0.7	0.0606	147.5417	136.7983	008.730
23.0	0.557	0.7	0.0542	139.5259	128.4343	009.483
24.0	0.525	0.7	0.0482	131.5100	120.1404	010.510
25.0	0.493	0.7	0.0425	123.4942	111.9237	011.809
26.0	0.460	0.7	0.0370	115.2278	103.5661	013.487
27.0	0.428	0.7	0.0320	107.2120	095.5266	015.327

28.0	0.395	0.7	0.0273	098.9456	087.3638	017.548
29.0	0.363	0.7	0.0230	090.9298	079.5290	019.916
30.0	0.331	0.7	0.0191	082.9139	071.8056	022.543
31.0	0.299	0.7	0.0156	074.8981	064.2002	025.425
32.0	0.268	0.7	0.0126	067.1327	056.9318	028.425
33.0	0.237	0.7	0.0098	059.3674	049.7897	031.666
34.0	0.207	0.7	0.0075	051.8525	042.9877	035.004
35.0	0.178	0.7	0.0055	044.5882	036.5245	038.425
36.0	0.149	0.7	0.0039	037.3238	030.1956	042.062
37.0	0.121	0.7	0.0026	030.3099	024.2066	045.759
38.0	0.094	0.7	0.0015	023.5466	018.5549	049.503
39.0	0.068	0.7	0.0008	017.0337	013.2377	053.280
40.0	0.043	0.7	0.0003	010.7713	008.2513	057.076
41.0	0.018	0.7	0.0001	004.5089	003.4029	061.042
42.0	0.005	0.7	0.0000	001.2525	000.9308	063.162
43.0	0.027	0.7	0.0001	006.7634	004.9464	059.387
44.0	0.048	0.7	0.0004	012.0238	008.6492	055.648
45.0	0.068	0.7	0.0008	017.0337	012.0446	051.955
46.0	0.086	0.7	0.0013	021.5426	014.9647	048.504
47.0	0.104	0.7	0.0019	026.0515	017.7671	044.947
48.0	0.120	0.7	0.0025	030.0594	020.1137	041.661
49.0	0.135	0.7	0.0032	033.8169	022.1859	038.478
50.0	0.149	0.7	0.0039	037.3238	023.9913	035.408
51.0	0.162	0.7	0.0046	040.5802	025.5380	032.463
52.0	0.174	0.7	0.0053	043.5862	026.8343	029.654
53.0	0.184	0.7	0.0059	046.0911	027.7383	027.190
54.0	0.194	0.7	0.0066	048.5961	028.5641	024.685
55.0	0.202	0.7	0.0071	050.6001	029.0230	022.551
56.0	0.209	0.7	0.0076	052.3535	029.2757	020.597
57.0	0.215	0.7	0.0081	053.8565	029.3323	018.832
58.0	0.220	0.7	0.0085	055.1090	029.2033	017.265
59.0	0.224	0.7	0.0088	056.1110	028.8993	015.904
60.0	0.227	0.7	0.0090	056.8624	028.4312	014.756
61.0	0.228	0.7	0.0091	057.1129	027.6889	014.048
62.0	0.229	0.7	0.0092	057.3634	026.9305	013.351
63.0	0.229	0.7	0.0092	057.3634	026.0425	012.889
64.0	0.228	0.7	0.0091	057.1129	025.0367	012.667
65.0	0.226	0.7	0.0089	056.6119	023.9252	012.692
66.0	0.224	0.7	0.0088	056.1110	022.8224	012.740
67.0	0.220	0.7	0.0085	055.1090	021.5328	013.272
68.0	0.216	0.7	0.0082	054.1070	020.2688	013.833
69.0	0.211	0.7	0.0078	052.8545	018.9414	014.656
70.0	0.205	0.7	0.0073	051.3515	017.5633	015.745
71.0	0.199	0.7	0.0069	049.8486	016.2291	016.867
72.0	0.192	0.7	0.0064	048.0951	014.8622	018.259
73.0	0.184	0.7	0.0059	046.0911	013.4757	019.923
74.0	0.176	0.7	0.0054	044.0872	012.1521	021.621
75.0	0.168	0.7	0.0049	042.0832	010.8919	023.351
76.0	0.159	0.7	0.0044	039.8288	009.6354	025.354
77.0	0.149	0.7	0.0039	037.3238	008.3960	027.633
78.0	0.139	0.7	0.0034	034.8188	007.2392	029.942
79.0	0.129	0.7	0.0029	032.3139	006.1658	032.280
80.0	0.118	0.7	0.0024	029.5584	005.1328	034.891
81.0	0.107	0.7	0.0020	026.8030	004.1929	037.527
82.0	0.096	0.7	0.0016	024.0475	003.3468	040.186
83.0	0.085	0.7	0.0013	021.2921	002.5949	042.867
84.0	0.073	0.7	0.0009	018.2862	001.9114	045.814
85.0	0.061	0.7	0.0007	015.2802	001.3318	048.778
86.0	0.049	0.7	0.0004	012.2743	000.8562	051.756
87.0	0.037	0.7	0.0002	009.2683	000.4851	054.744
88.0	0.025	0.7	0.0001	006.2624	000.2186	057.741
89.0	0.012	0.7	0.0000	003.0059	000.0525	060.995
90.0	0.001	0.7	0.0000	000.2505	000.0000	063.750