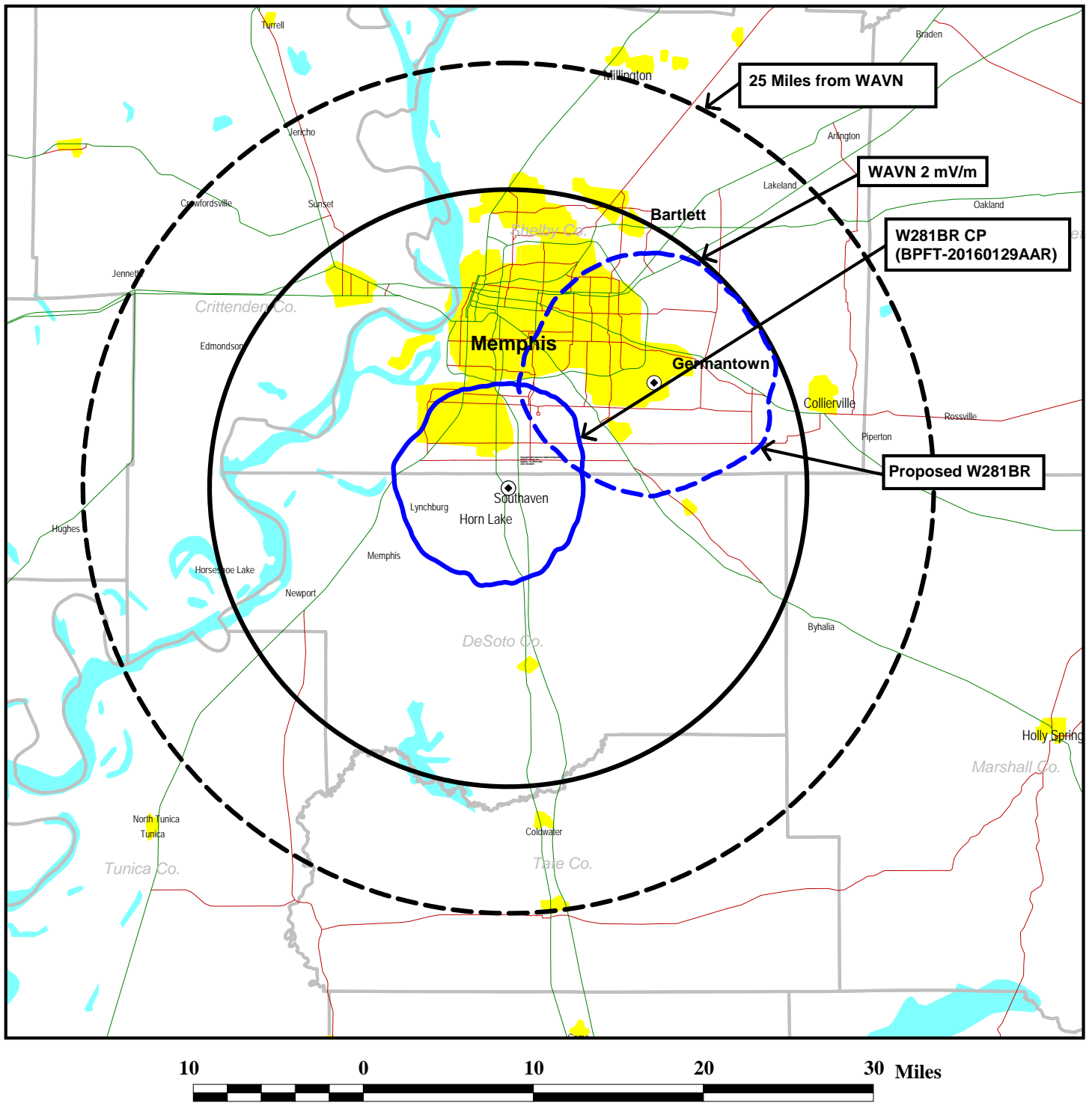


Figure 1



AM FILL-IN COMPLIANCE MAP

FM TRANSLATOR STATION W281BR
MEMPHIS, TENNESSEE
CH 281 (104.1 MHZ) 0.25 kW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

FM Contour Study

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida



Channel: 281 **Coordinates:** 035-04-20 089-51-40 (NAD 27) **ERP:** 0.25 kW **Max. HAAT:** 105 m **Considering Only Interference Caused**

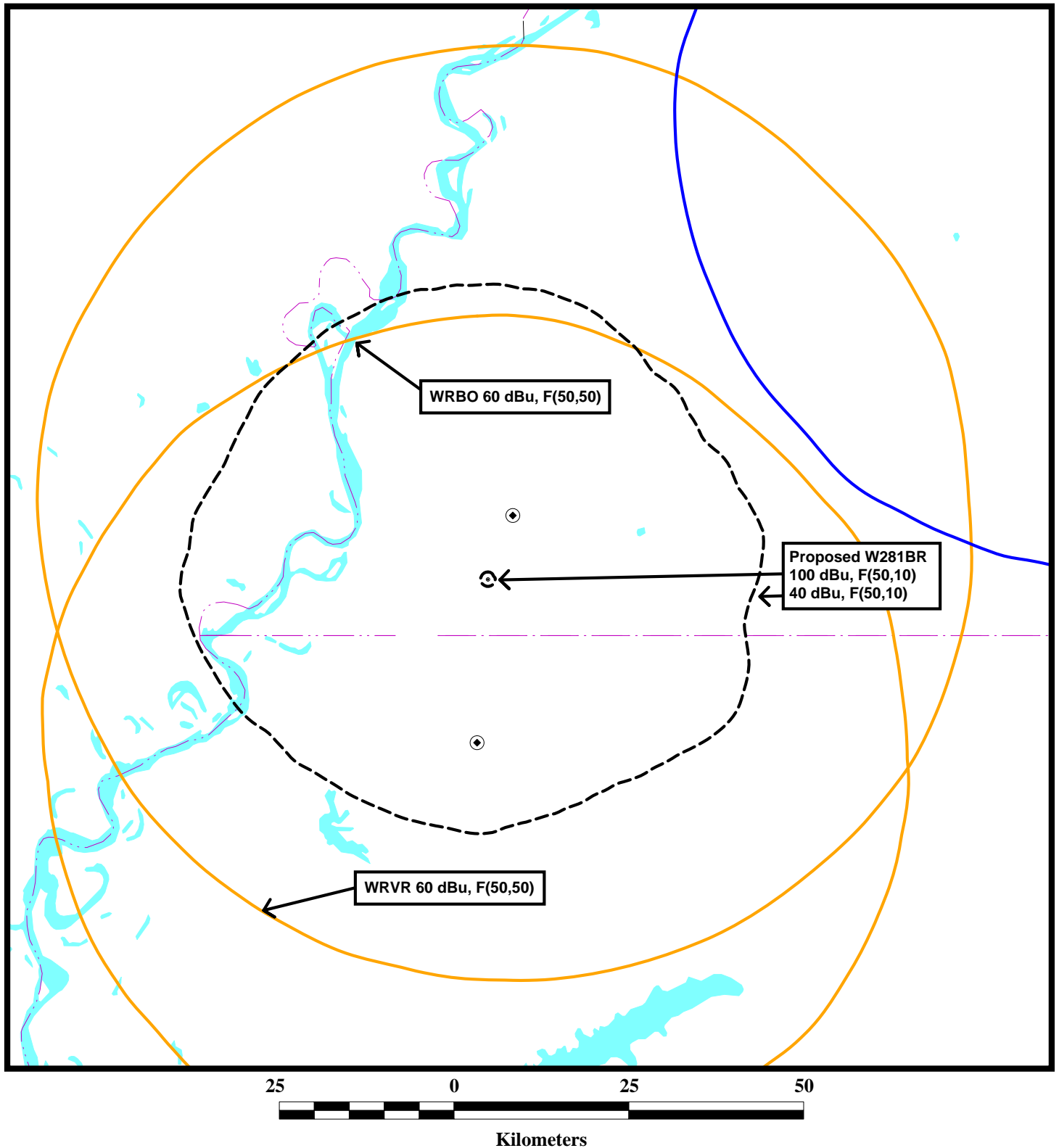
Comment: Proposed W281BR

Callsign	Chan.	Service	Status	Freq.	City	State	Co.	Rec.	Latitude	Dist. (km)	Sep. (km)	Spac. (km)
Facility ID	ARN			Class	DA	73.215	ERP (kW)	HAAT (m)	Longitude	Bear. (deg)	Comment	
NEW	228	FL	CP	93.5	MEMPHIS	TN	US	C	35-03-13.5	13.13	6	7.13
195039	BNPL	20131114BQR	L1	N	N		0.1	20.186502	090-00-11.8	261.02	CLOSE	
WRBO	278	FM	LIC	103.5	COMO	MS	US	C	34-51-44	23.35	65.08	-41.73
7075	BLH	19980617KC	C1	N	N		100	179	089-52-42	183.85	SHORT	/1
WRBO 60.0 dBu desired distance: 64.0 km				Proposed 100.0 dBu undesired distance: 1.1 km								
W254BW	281	FX	CP	104.1	SOUTHAVEN	MS	US	C	34-58-57	17.03	56.31	-39.28
89003	BPFT	20160129AAR	D	N	N		0.25		090-00-45	234.15	SHORT	
W254BW 60.0 dBu desired distance: 11.1 km				Proposed 40.0 dBu undesired distance: 45.2 km								
WOGY	281	FM	LIC	104.1	JACKSON	TN	US	C	35-38-49	113.1	112.03	1.07
14743	BLH	20070815AAD	C1	N	N		100	208	088-50-00	55.27	CLOSE	/2
WOGY 60.0 dBu desired distance: 66.8 km				Proposed 40.0 dBu undesired distance: 45.2 km								
WRVR	283	FM	LIC	104.5	MEMPHIS	TN	US	C	35-09-16	9.79	69.42	-59.63
34375	BLH	20000706ADN	C1	N	N		100	229	089-49-20	21.14	SHORT	/1
WRVR 60.0 dBu desired distance: 68.3 km				Proposed 100.0 dBu undesired distance: 1.1 km								

/1 There will overlap normally prohibited by Section 74.1204 (see Figure 3). However, based on the U/D signal strength interference ratio methodology, which is permitted by the FCC per Living Way Ministries, it has been determined that no actual interference would occur due to lack of population under Section 74.1204(d). See Exhibit 17 and Figure 4.

/2 The proposal complies with the contour overlap provisions of Section 74.1204. See Exhibit 17 and Figure 3.

Figure 3

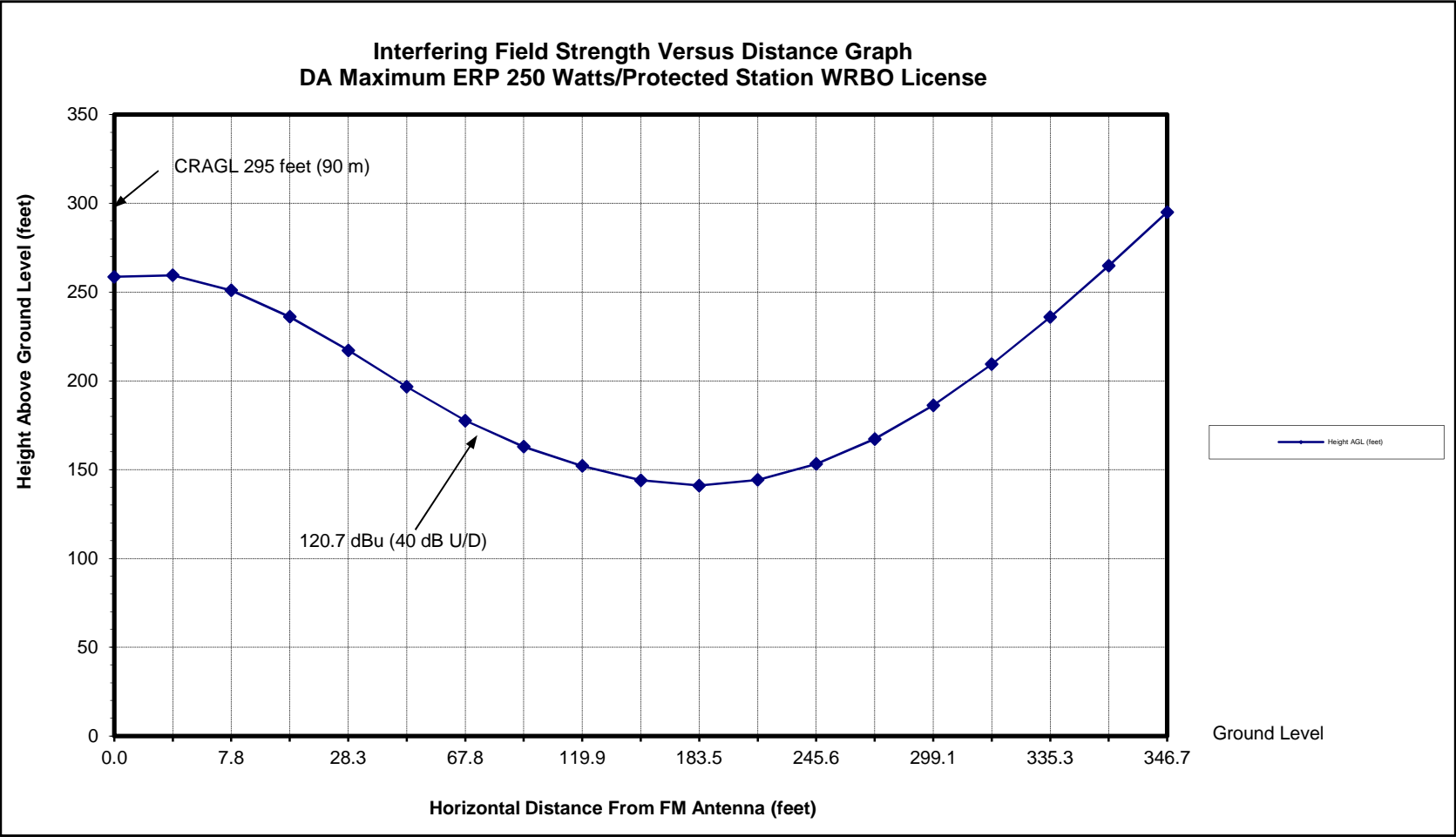


COMPLIANCE WITH SECTION 74.1204

FM TRANSLATOR STATION W281BR
MEMPHIS, TENNESSEE
CH 281 (104.1 MHZ) 0.25 kW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 4



TX station:

Site name:

Frequency: 100.00 MHz

Figure 5

Vertical diagram at an azimuth of 0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	373.6	60.0	39.1	57.2	120.0	31.5	37.0
1.0	100.0	373.5	61.0	37.6	52.8	121.0	32.0	38.3
2.0	100.0	373.4	62.0	36.1	48.6	122.0	32.6	39.6
3.0	99.9	373.3	63.0	34.5	44.6	123.0	33.1	41.0
4.0	99.9	373.1	64.0	32.9	40.5	124.0	33.6	42.2
5.0	99.9	372.9	65.0	31.3	36.6	125.0	34.1	43.5
6.0	99.9	372.8	66.0	29.7	33.0	126.0	34.6	44.7
7.0	99.5	369.9	67.0	28.2	29.8	127.0	35.2	46.2
8.0	99.1	367.0	68.0	26.8	26.8	128.0	35.7	47.6
9.0	98.7	364.1	69.0	25.3	23.9	129.0	36.2	49.1
10.0	98.2	360.5	70.0	23.9	21.3	130.0	36.7	50.3
11.0	97.7	356.9	71.0	22.5	18.9	131.0	37.1	51.5
12.0	97.2	353.3	72.0	21.1	16.6	132.0	37.6	52.7
13.0	96.6	348.9	73.0	19.9	14.8	133.0	38.1	54.1
14.0	96.0	344.5	74.0	18.8	13.2	134.0	38.6	55.6
15.0	95.4	340.1	75.0	17.6	11.6	135.0	39.1	57.0
16.0	94.7	335.4	76.0	16.6	10.2	136.0	39.5	58.4
17.0	94.1	330.8	77.0	15.5	9.0	137.0	40.0	59.7
18.0	93.4	326.1	78.0	14.5	7.8	138.0	40.4	61.1
19.0	92.6	320.4	79.0	13.7	7.0	139.0	40.9	62.5
20.0	91.8	314.7	80.0	12.9	6.2	140.0	41.4	63.9
21.0	91.0	309.1	81.0	12.0	5.4	141.0	41.8	65.3
22.0	90.0	302.7	82.0	11.5	5.0	142.0	42.2	66.5
23.0	89.1	296.5	83.0	11.0	4.5	143.0	42.6	67.8
24.0	88.1	290.3	84.0	10.5	4.1	144.0	43.0	69.0
25.0	87.2	283.8	85.0	10.3	4.0	145.0	43.4	70.3
26.0	86.2	277.4	86.0	10.2	3.9	146.0	43.8	71.6
27.0	85.2	271.1	87.0	10.0	3.7	147.0	44.1	72.8
28.0	84.0	263.9	88.0	10.2	3.9	148.0	44.7	74.7
29.0	82.9	256.8	89.0	10.4	4.0	149.0	45.3	76.5
30.0	81.8	249.8	90.0	10.5	4.1	150.0	45.8	78.4
31.0	80.6	242.9	91.0	11.4	4.8	151.0	46.4	80.3
32.0	79.5	236.1	92.0	12.0	5.4	152.0	46.9	82.3
33.0	78.3	229.3	93.0	12.7	6.0	153.0	47.5	84.3
34.0	77.1	222.0	94.0	13.4	6.7	154.0	48.0	86.2
35.0	75.8	214.7	95.0	14.1	7.4	155.0	48.6	88.2
36.0	74.5	207.6	96.0	14.8	8.2	156.0	49.1	90.2
37.0	73.2	200.4	97.0	15.6	9.1	157.0	49.5	91.5
38.0	71.9	193.3	98.0	16.4	10.0	158.0	49.8	92.8
39.0	70.6	186.3	99.0	17.1	11.0	159.0	50.2	94.1
40.0	69.1	178.6	100.0	17.9	11.9	160.0	50.5	95.4
41.0	67.6	170.9	101.0	18.6	12.9	161.0	50.9	96.8
42.0	66.1	163.5	102.0	19.3	13.9	162.0	51.2	98.1
43.0	64.6	156.0	103.0	20.1	15.0	163.0	51.5	99.2
44.0	63.1	148.7	104.0	20.8	16.2	164.0	51.8	100.4
45.0	61.6	141.6	105.0	21.5	17.3	165.0	52.1	101.6
46.0	60.0	134.4	106.0	22.3	18.5	166.0	52.4	102.7
47.0	58.4	127.5	107.0	23.0	19.7	167.0	52.7	103.7
48.0	56.8	120.7	108.0	23.7	21.0	168.0	53.0	104.8
49.0	55.3	114.4	109.0	24.4	22.2	169.0	53.2	105.7
50.0	53.8	108.2	110.0	25.1	23.5	170.0	53.4	106.5
51.0	52.3	102.2	111.0	25.7	24.8	171.0	53.6	107.4
52.0	50.8	96.6	112.0	26.5	26.2	172.0	53.9	108.4
53.0	49.4	91.1	113.0	27.2	27.6	173.0	54.1	109.4
54.0	47.9	85.8	114.0	27.9	29.0	174.0	54.4	110.5
55.0	46.5	80.7	115.0	28.5	30.4	175.0	54.7	111.9
56.0	45.0	75.7	116.0	29.2	31.8	176.0	55.1	113.3
57.0	43.6	71.0	117.0	29.8	33.1	177.0	55.4	114.7
58.0	42.1	66.2	118.0	30.4	34.4	178.0	55.7	115.9
59.0	40.6	61.6	119.0	30.9	35.7	179.0	56.0	117.0