

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.08 0.9 Inches

BioInitiative ft. 5.77 69.2 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	53.04	10.25	0.03	20.25	0.01	30.25	0.00
0.50	13.26	10.50	0.03	20.50	0.01	30.50	0.00
0.75	5.89	10.75	0.03	20.75	0.01	30.75	0.00
1.00	3.32	11.00	0.03	21.00	0.01	31.00	0.00
1.25	2.12	11.25	0.03	21.25	0.01	31.25	0.00
1.50	1.47	11.50	0.03	21.50	0.01	31.50	0.00
1.75	1.08	11.75	0.02	21.75	0.01	31.75	0.00
2.00	0.83	12.00	0.02	22.00	0.01	32.00	0.00
2.25	0.65	12.25	0.02	22.25	0.01	32.25	0.00
2.50	0.53	12.50	0.02	22.50	0.01	32.50	0.00
2.75	0.44	12.75	0.02	22.75	0.01	32.75	0.00
3.00	0.37	13.00	0.02	23.00	0.01	33.00	0.00
3.25	0.31	13.25	0.02	23.25	0.01	33.25	0.00
3.50	0.27	13.50	0.02	23.50	0.01	33.50	0.00
3.75	0.24	13.75	0.02	23.75	0.01	33.75	0.00
4.00	0.21	14.00	0.02	24.00	0.01	34.00	0.00
4.25	0.18	14.25	0.02	24.25	0.01	34.25	0.00
4.50	0.16	14.50	0.02	24.50	0.01	34.50	0.00
4.75	0.15	14.75	0.02	24.75	0.01	34.75	0.00
5.00	0.13	15.00	0.01	25.00	0.01	35.00	0.00
5.25	0.12	15.25	0.01	25.25	0.01	35.25	0.00
5.50	0.11	15.50	0.01	25.50	0.01	35.50	0.00
5.75	0.10	15.75	0.01	25.75	0.00	35.75	0.00
6.00	0.09	16.00	0.01	26.00	0.00	36.00	0.00
6.25	0.08	16.25	0.01	26.25	0.00	36.25	0.00
6.50	0.08	16.50	0.01	26.50	0.00	36.50	0.00
6.75	0.07	16.75	0.01	26.75	0.00	36.75	0.00
7.00	0.07	17.00	0.01	27.00	0.00	37.00	0.00
7.25	0.06	17.25	0.01	27.25	0.00	37.25	0.00
7.50	0.06	17.50	0.01	27.50	0.00	37.50	0.00
7.75	0.06	17.75	0.01	27.75	0.00	37.75	0.00
8.00	0.05	18.00	0.01	28.00	0.00	38.00	0.00
8.25	0.05	18.25	0.01	28.25	0.00	38.25	0.00
8.50	0.05	18.50	0.01	28.50	0.00	38.50	0.00
8.75	0.04	18.75	0.01	28.75	0.00	38.75	0.00
9.00	0.04	19.00	0.01	29.00	0.00	39.00	0.00
9.25	0.04	19.25	0.01	29.25	0.00	39.25	0.00
9.50	0.04	19.50	0.01	29.50	0.00	39.50	0.00
9.75	0.03	19.75	0.01	29.75	0.00	39.75	0.00
10.00	0.03	20.00	0.01	30.00	0.00	40.00	0.00

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 8 Electric SMART Meters

Time Avg: 1%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.08

0.92 Inches

BioInitiative ft. 5.77

69.24 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.00	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.00	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.00	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.00	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.00	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.00	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.00	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.00	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.00	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.00	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.00	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.00	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.00	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.00	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.00	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.00	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.00	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.00	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.00	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.00	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.00	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.00	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.00	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.00	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.00	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.00	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.00	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.00	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.00	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.00	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.00	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.00	62.00	0.00	76.00	0.00	90.00	0.00
48.25	0.00	62.25	0.00	76.25	0.00	90.25	0.00
48.50	0.00	62.50	0.00	76.50	0.00	90.50	0.00
48.75	0.00	62.75	0.00	76.75	0.00	90.75	0.00
49.00	0.00	63.00	0.00	77.00	0.00	91.00	0.00
49.25	0.00	63.25	0.00	77.25	0.00	91.25	0.00
49.50	0.00	63.50	0.00	77.50	0.00	91.50	0.00
49.75	0.00	63.75	0.00	77.75	0.00	91.75	0.00
50.00	0.00	64.00	0.00	78.00	0.00	92.00	0.00
50.25	0.00	64.25	0.00	78.25	0.00	92.25	0.00
50.50	0.00	64.50	0.00	78.50	0.00	92.50	0.00
50.75	0.00	64.75	0.00	78.75	0.00	92.75	0.00
51.00	0.00	65.00	0.00	79.00	0.00	93.00	0.00
51.25	0.00	65.25	0.00	79.25	0.00	93.25	0.00
51.50	0.00	65.50	0.00	79.50	0.00	93.50	0.00
51.75	0.00	65.75	0.00	79.75	0.00	93.75	0.00
52.00	0.00	66.00	0.00	80.00	0.00	94.00	0.00
52.25	0.00	66.25	0.00	80.25	0.00	94.25	0.00
52.50	0.00	66.50	0.00	80.50	0.00	94.50	0.00
52.75	0.00	66.75	0.00	80.75	0.00	94.75	0.00
53.00	0.00	67.00	0.00	81.00	0.00	95.00	0.00
53.25	0.00	67.25	0.00	81.25	0.00	95.25	0.00
53.50	0.00	67.50	0.00	81.50	0.00	95.50	0.00
53.75	0.00	67.75	0.00	81.75	0.00	95.75	0.00
54.00	0.00	68.00	0.00	82.00	0.00	96.00	0.00

Table 9 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 10%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.24 2.9 Inches

BioInitiative ft. 18.20 218.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	530.41	10.25	0.32	20.25	0.08	30.25	0.04
0.50	132.60	10.50	0.30	20.50	0.08	30.50	0.04
0.75	58.93	10.75	0.29	20.75	0.08	30.75	0.04
1.00	33.15	11.00	0.27	21.00	0.08	31.00	0.03
1.25	21.22	11.25	0.26	21.25	0.07	31.25	0.03
1.50	14.73	11.50	0.25	21.50	0.07	31.50	0.03
1.75	10.82	11.75	0.24	21.75	0.07	31.75	0.03
2.00	8.29	12.00	0.23	22.00	0.07	32.00	0.03
2.25	6.55	12.25	0.22	22.25	0.07	32.25	0.03
2.50	5.30	12.50	0.21	22.50	0.07	32.50	0.03
2.75	4.38	12.75	0.20	22.75	0.06	32.75	0.03
3.00	3.68	13.00	0.20	23.00	0.06	33.00	0.03
3.25	3.14	13.25	0.19	23.25	0.06	33.25	0.03
3.50	2.71	13.50	0.18	23.50	0.06	33.50	0.03
3.75	2.36	13.75	0.18	23.75	0.06	33.75	0.03
4.00	2.07	14.00	0.17	24.00	0.06	34.00	0.03
4.25	1.84	14.25	0.16	24.25	0.06	34.25	0.03
4.50	1.64	14.50	0.16	24.50	0.06	34.50	0.03
4.75	1.47	14.75	0.15	24.75	0.05	34.75	0.03
5.00	1.33	15.00	0.15	25.00	0.05	35.00	0.03
5.25	1.20	15.25	0.14	25.25	0.05	35.25	0.03
5.50	1.10	15.50	0.14	25.50	0.05	35.50	0.03
5.75	1.00	15.75	0.13	25.75	0.05	35.75	0.03
6.00	0.92	16.00	0.13	26.00	0.05	36.00	0.03
6.25	0.85	16.25	0.13	26.25	0.05	36.25	0.03
6.50	0.78	16.50	0.12	26.50	0.05	36.50	0.02
6.75	0.73	16.75	0.12	26.75	0.05	36.75	0.02
7.00	0.68	17.00	0.11	27.00	0.05	37.00	0.02
7.25	0.63	17.25	0.11	27.25	0.04	37.25	0.02
7.50	0.59	17.50	0.11	27.50	0.04	37.50	0.02
7.75	0.55	17.75	0.11	27.75	0.04	37.75	0.02
8.00	0.52	18.00	0.10	28.00	0.04	38.00	0.02
8.25	0.49	18.25	0.10	28.25	0.04	38.25	0.02
8.50	0.46	18.50	0.10	28.50	0.04	38.50	0.02
8.75	0.43	18.75	0.09	28.75	0.04	38.75	0.02
9.00	0.41	19.00	0.09	29.00	0.04	39.00	0.02
9.25	0.39	19.25	0.09	29.25	0.04	39.25	0.02
9.50	0.37	19.50	0.09	29.50	0.04	39.50	0.02
9.75	0.35	19.75	0.08	29.75	0.04	39.75	0.02
10.00	0.33	20.00	0.08	30.00	0.04	40.00	0.02

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
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 - R = Distance to device
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SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 10%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.24

2.92 Inches

BioInitiative ft. 18.20

218.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.02	54.25	0.01	68.25	0.01	82.25	0.00
40.50	0.02	54.50	0.01	68.50	0.01	82.50	0.00
40.75	0.02	54.75	0.01	68.75	0.01	82.75	0.00
41.00	0.02	55.00	0.01	69.00	0.01	83.00	0.00
41.25	0.02	55.25	0.01	69.25	0.01	83.25	0.00
41.50	0.02	55.50	0.01	69.50	0.01	83.50	0.00
41.75	0.02	55.75	0.01	69.75	0.01	83.75	0.00
42.00	0.02	56.00	0.01	70.00	0.01	84.00	0.00
42.25	0.02	56.25	0.01	70.25	0.01	84.25	0.00
42.50	0.02	56.50	0.01	70.50	0.01	84.50	0.00
42.75	0.02	56.75	0.01	70.75	0.01	84.75	0.00
43.00	0.02	57.00	0.01	71.00	0.01	85.00	0.00
43.25	0.02	57.25	0.01	71.25	0.01	85.25	0.00
43.50	0.02	57.50	0.01	71.50	0.01	85.50	0.00
43.75	0.02	57.75	0.01	71.75	0.01	85.75	0.00
44.00	0.02	58.00	0.01	72.00	0.01	86.00	0.00
44.25	0.02	58.25	0.01	72.25	0.01	86.25	0.00
44.50	0.02	58.50	0.01	72.50	0.01	86.50	0.00
44.75	0.02	58.75	0.01	72.75	0.01	86.75	0.00
45.00	0.02	59.00	0.01	73.00	0.01	87.00	0.00
45.25	0.02	59.25	0.01	73.25	0.01	87.25	0.00
45.50	0.02	59.50	0.01	73.50	0.01	87.50	0.00
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.00
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.00
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.00
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.00
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.00
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.00
47.25	0.01	61.25	0.01	75.25	0.01	89.25	0.00
47.50	0.01	61.50	0.01	75.50	0.01	89.50	0.00
47.75	0.01	61.75	0.01	75.75	0.01	89.75	0.00
48.00	0.01	62.00	0.01	76.00	0.01	90.00	0.00
48.25	0.01	62.25	0.01	76.25	0.01	90.25	0.00
48.50	0.01	62.50	0.01	76.50	0.01	90.50	0.00
48.75	0.01	62.75	0.01	76.75	0.01	90.75	0.00
49.00	0.01	63.00	0.01	77.00	0.01	91.00	0.00
49.25	0.01	63.25	0.01	77.25	0.01	91.25	0.00
49.50	0.01	63.50	0.01	77.50	0.01	91.50	0.00
49.75	0.01	63.75	0.01	77.75	0.01	91.75	0.00
50.00	0.01	64.00	0.01	78.00	0.01	92.00	0.00
50.25	0.01	64.25	0.01	78.25	0.01	92.25	0.00
50.50	0.01	64.50	0.01	78.50	0.01	92.50	0.00
50.75	0.01	64.75	0.01	78.75	0.01	92.75	0.00
51.00	0.01	65.00	0.01	79.00	0.01	93.00	0.00
51.25	0.01	65.25	0.01	79.25	0.01	93.25	0.00
51.50	0.01	65.50	0.01	79.50	0.01	93.50	0.00
51.75	0.01	65.75	0.01	79.75	0.01	93.75	0.00
52.00	0.01	66.00	0.01	80.00	0.01	94.00	0.00
52.25	0.01	66.25	0.01	80.25	0.01	94.25	0.00
52.50	0.01	66.50	0.01	80.50	0.01	94.50	0.00
52.75	0.01	66.75	0.01	80.75	0.01	94.75	0.00
53.00	0.01	67.00	0.01	81.00	0.01	95.00	0.00
53.25	0.01	67.25	0.01	81.25	0.01	95.25	0.00
53.50	0.01	67.50	0.01	81.50	0.00	95.50	0.00
53.75	0.01	67.75	0.01	81.75	0.00	95.75	0.00
54.00	0.01	68.00	0.01	82.00	0.00	96.00	0.00

Table 9 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.34 4.1 Inches

BioInitiative ft. 25.70 308.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1060.82	10.25	0.63	20.25	0.16	30.25	0.07
0.50	265.21	10.50	0.60	20.50	0.16	30.50	0.07
0.75	117.87	10.75	0.57	20.75	0.15	30.75	0.07
1.00	66.30	11.00	0.55	21.00	0.15	31.00	0.07
1.25	42.43	11.25	0.52	21.25	0.15	31.25	0.07
1.50	29.47	11.50	0.50	21.50	0.14	31.50	0.07
1.75	21.65	11.75	0.48	21.75	0.14	31.75	0.07
2.00	16.58	12.00	0.46	22.00	0.14	32.00	0.06
2.25	13.10	12.25	0.44	22.25	0.13	32.25	0.06
2.50	10.61	12.50	0.42	22.50	0.13	32.50	0.06
2.75	8.77	12.75	0.41	22.75	0.13	32.75	0.06
3.00	7.37	13.00	0.39	23.00	0.13	33.00	0.06
3.25	6.28	13.25	0.38	23.25	0.12	33.25	0.06
3.50	5.41	13.50	0.36	23.50	0.12	33.50	0.06
3.75	4.71	13.75	0.35	23.75	0.12	33.75	0.06
4.00	4.14	14.00	0.34	24.00	0.12	34.00	0.06
4.25	3.67	14.25	0.33	24.25	0.11	34.25	0.06
4.50	3.27	14.50	0.32	24.50	0.11	34.50	0.06
4.75	2.94	14.75	0.30	24.75	0.11	34.75	0.05
5.00	2.65	15.00	0.29	25.00	0.11	35.00	0.05
5.25	2.41	15.25	0.29	25.25	0.10	35.25	0.05
5.50	2.19	15.50	0.28	25.50	0.10	35.50	0.05
5.75	2.01	15.75	0.27	25.75	0.10	35.75	0.05
6.00	1.84	16.00	0.26	26.00	0.10	36.00	0.05
6.25	1.70	16.25	0.25	26.25	0.10	36.25	0.05
6.50	1.57	16.50	0.24	26.50	0.09	36.50	0.05
6.75	1.46	16.75	0.24	26.75	0.09	36.75	0.05
7.00	1.35	17.00	0.23	27.00	0.09	37.00	0.05
7.25	1.26	17.25	0.22	27.25	0.09	37.25	0.05
7.50	1.18	17.50	0.22	27.50	0.09	37.50	0.05
7.75	1.10	17.75	0.21	27.75	0.09	37.75	0.05
8.00	1.04	18.00	0.20	28.00	0.08	38.00	0.05
8.25	0.97	18.25	0.20	28.25	0.08	38.25	0.05
8.50	0.92	18.50	0.19	28.50	0.08	38.50	0.04
8.75	0.87	18.75	0.19	28.75	0.08	38.75	0.04
9.00	0.82	19.00	0.18	29.00	0.08	39.00	0.04
9.25	0.77	19.25	0.18	29.25	0.08	39.25	0.04
9.50	0.73	19.50	0.17	29.50	0.08	39.50	0.04
9.75	0.70	19.75	0.17	29.75	0.07	39.75	0.04
10.00	0.66	20.00	0.17	30.00	0.07	40.00	0.04

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.34

4.13 Inches

BioInitiative ft. 25.70

308.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.04	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.04	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.04	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.04	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.04	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.04	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.04	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.04	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.04	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.04	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.04	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.04	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.04	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.04	57.50	0.02	71.50	0.01	85.50	0.01
43.75	0.03	57.75	0.02	71.75	0.01	85.75	0.01
44.00	0.03	58.00	0.02	72.00	0.01	86.00	0.01
44.25	0.03	58.25	0.02	72.25	0.01	86.25	0.01
44.50	0.03	58.50	0.02	72.50	0.01	86.50	0.01
44.75	0.03	58.75	0.02	72.75	0.01	86.75	0.01
45.00	0.03	59.00	0.02	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.02	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.02	73.50	0.01	87.50	0.01
45.75	0.03	59.75	0.02	73.75	0.01	87.75	0.01
46.00	0.03	60.00	0.02	74.00	0.01	88.00	0.01
46.25	0.03	60.25	0.02	74.25	0.01	88.25	0.01
46.50	0.03	60.50	0.02	74.50	0.01	88.50	0.01
46.75	0.03	60.75	0.02	74.75	0.01	88.75	0.01
47.00	0.03	61.00	0.02	75.00	0.01	89.00	0.01
47.25	0.03	61.25	0.02	75.25	0.01	89.25	0.01
47.50	0.03	61.50	0.02	75.50	0.01	89.50	0.01
47.75	0.03	61.75	0.02	75.75	0.01	89.75	0.01
48.00	0.03	62.00	0.02	76.00	0.01	90.00	0.01
48.25	0.03	62.25	0.02	76.25	0.01	90.25	0.01
48.50	0.03	62.50	0.02	76.50	0.01	90.50	0.01
48.75	0.03	62.75	0.02	76.75	0.01	90.75	0.01
49.00	0.03	63.00	0.02	77.00	0.01	91.00	0.01
49.25	0.03	63.25	0.02	77.25	0.01	91.25	0.01
49.50	0.03	63.50	0.02	77.50	0.01	91.50	0.01
49.75	0.03	63.75	0.02	77.75	0.01	91.75	0.01
50.00	0.03	64.00	0.02	78.00	0.01	92.00	0.01
50.25	0.03	64.25	0.02	78.25	0.01	92.25	0.01
50.50	0.03	64.50	0.02	78.50	0.01	92.50	0.01
50.75	0.03	64.75	0.02	78.75	0.01	92.75	0.01
51.00	0.03	65.00	0.02	79.00	0.01	93.00	0.01
51.25	0.03	65.25	0.02	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.02	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.02	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.02	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.02	80.25	0.01	94.25	0.01
52.50	0.02	66.50	0.01	80.50	0.01	94.50	0.01
52.75	0.02	66.75	0.01	80.75	0.01	94.75	0.01
53.00	0.02	67.00	0.01	81.00	0.01	95.00	0.01
53.25	0.02	67.25	0.01	81.25	0.01	95.25	0.01
53.50	0.02	67.50	0.01	81.50	0.01	95.50	0.01
53.75	0.02	67.75	0.01	81.75	0.01	95.75	0.01
54.00	0.02	68.00	0.01	82.00	0.01	96.00	0.01

Table 9 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.42 5.1 Inches

BioInitiative ft. 31.50 378.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1591.23	10.25	0.95	20.25	0.24	30.25	0.11
0.50	397.81	10.50	0.90	20.50	0.24	30.50	0.11
0.75	176.80	10.75	0.86	20.75	0.23	30.75	0.11
1.00	99.45	11.00	0.82	21.00	0.23	31.00	0.10
1.25	63.65	11.25	0.79	21.25	0.22	31.25	0.10
1.50	44.20	11.50	0.75	21.50	0.22	31.50	0.10
1.75	32.47	11.75	0.72	21.75	0.21	31.75	0.10
2.00	24.86	12.00	0.69	22.00	0.21	32.00	0.10
2.25	19.64	12.25	0.66	22.25	0.20	32.25	0.10
2.50	15.91	12.50	0.64	22.50	0.20	32.50	0.09
2.75	13.15	12.75	0.61	22.75	0.19	32.75	0.09
3.00	11.05	13.00	0.59	23.00	0.19	33.00	0.09
3.25	9.42	13.25	0.57	23.25	0.18	33.25	0.09
3.50	8.12	13.50	0.55	23.50	0.18	33.50	0.09
3.75	7.07	13.75	0.53	23.75	0.18	33.75	0.09
4.00	6.22	14.00	0.51	24.00	0.17	34.00	0.09
4.25	5.51	14.25	0.49	24.25	0.17	34.25	0.08
4.50	4.91	14.50	0.47	24.50	0.17	34.50	0.08
4.75	4.41	14.75	0.46	24.75	0.16	34.75	0.08
5.00	3.98	15.00	0.44	25.00	0.16	35.00	0.08
5.25	3.61	15.25	0.43	25.25	0.16	35.25	0.08
5.50	3.29	15.50	0.41	25.50	0.15	35.50	0.08
5.75	3.01	15.75	0.40	25.75	0.15	35.75	0.08
6.00	2.76	16.00	0.39	26.00	0.15	36.00	0.08
6.25	2.55	16.25	0.38	26.25	0.14	36.25	0.08
6.50	2.35	16.50	0.37	26.50	0.14	36.50	0.07
6.75	2.18	16.75	0.35	26.75	0.14	36.75	0.07
7.00	2.03	17.00	0.34	27.00	0.14	37.00	0.07
7.25	1.89	17.25	0.33	27.25	0.13	37.25	0.07
7.50	1.77	17.50	0.32	27.50	0.13	37.50	0.07
7.75	1.66	17.75	0.32	27.75	0.13	37.75	0.07
8.00	1.55	18.00	0.31	28.00	0.13	38.00	0.07
8.25	1.46	18.25	0.30	28.25	0.12	38.25	0.07
8.50	1.38	18.50	0.29	28.50	0.12	38.50	0.07
8.75	1.30	18.75	0.28	28.75	0.12	38.75	0.07
9.00	1.23	19.00	0.28	29.00	0.12	39.00	0.07
9.25	1.16	19.25	0.27	29.25	0.12	39.25	0.06
9.50	1.10	19.50	0.26	29.50	0.11	39.50	0.06
9.75	1.05	19.75	0.25	29.75	0.11	39.75	0.06
10.00	0.99	20.00	0.25	30.00	0.11	40.00	0.06

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi i) R^2$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.42

5.05 Inches

BioInitiative ft. 31.50

378.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.06	54.25	0.03	68.25	0.02	82.25	0.01
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.01
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.01
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.01
41.25	0.06	55.25	0.03	69.25	0.02	83.25	0.01
41.50	0.06	55.50	0.03	69.50	0.02	83.50	0.01
41.75	0.06	55.75	0.03	69.75	0.02	83.75	0.01
42.00	0.06	56.00	0.03	70.00	0.02	84.00	0.01
42.25	0.06	56.25	0.03	70.25	0.02	84.25	0.01
42.50	0.06	56.50	0.03	70.50	0.02	84.50	0.01
42.75	0.05	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.05	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.05	57.25	0.03	71.25	0.02	85.25	0.01
43.50	0.05	57.50	0.03	71.50	0.02	85.50	0.01
43.75	0.05	57.75	0.03	71.75	0.02	85.75	0.01
44.00	0.05	58.00	0.03	72.00	0.02	86.00	0.01
44.25	0.05	58.25	0.03	72.25	0.02	86.25	0.01
44.50	0.05	58.50	0.03	72.50	0.02	86.50	0.01
44.75	0.05	58.75	0.03	72.75	0.02	86.75	0.01
45.00	0.05	59.00	0.03	73.00	0.02	87.00	0.01
45.25	0.05	59.25	0.03	73.25	0.02	87.25	0.01
45.50	0.05	59.50	0.03	73.50	0.02	87.50	0.01
45.75	0.05	59.75	0.03	73.75	0.02	87.75	0.01
46.00	0.05	60.00	0.03	74.00	0.02	88.00	0.01
46.25	0.05	60.25	0.03	74.25	0.02	88.25	0.01
46.50	0.05	60.50	0.03	74.50	0.02	88.50	0.01
46.75	0.05	60.75	0.03	74.75	0.02	88.75	0.01
47.00	0.05	61.00	0.03	75.00	0.02	89.00	0.01
47.25	0.04	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.04	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.04	61.75	0.03	75.75	0.02	89.75	0.01
48.00	0.04	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.04	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.04	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.04	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.04	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.04	63.25	0.02	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.02	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.02	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.02	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.02	78.25	0.02	92.25	0.01
50.50	0.04	64.50	0.02	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.02	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.02	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.02	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.02	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.02	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.02	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.02	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.02	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.02	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.02	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.02	81.25	0.02	95.25	0.01
53.50	0.03	67.50	0.02	81.50	0.01	95.50	0.01
53.75	0.03	67.75	0.02	81.75	0.01	95.75	0.01
54.00	0.03	68.00	0.02	82.00	0.01	96.00	0.01

Table 9 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.49 5.8 Inches

BioInitiative ft. 36.50 438.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	2121.64	10.25	1.26	20.25	0.32	30.25	0.14
0.50	530.41	10.50	1.20	20.50	0.32	30.50	0.14
0.75	235.74	10.75	1.15	20.75	0.31	30.75	0.14
1.00	132.60	11.00	1.10	21.00	0.30	31.00	0.14
1.25	84.87	11.25	1.05	21.25	0.29	31.25	0.14
1.50	58.93	11.50	1.00	21.50	0.29	31.50	0.13
1.75	43.30	11.75	0.96	21.75	0.28	31.75	0.13
2.00	33.15	12.00	0.92	22.00	0.27	32.00	0.13
2.25	26.19	12.25	0.88	22.25	0.27	32.25	0.13
2.50	21.22	12.50	0.85	22.50	0.26	32.50	0.13
2.75	17.53	12.75	0.82	22.75	0.26	32.75	0.12
3.00	14.73	13.00	0.78	23.00	0.25	33.00	0.12
3.25	12.55	13.25	0.76	23.25	0.25	33.25	0.12
3.50	10.82	13.50	0.73	23.50	0.24	33.50	0.12
3.75	9.43	13.75	0.70	23.75	0.24	33.75	0.12
4.00	8.29	14.00	0.68	24.00	0.23	34.00	0.11
4.25	7.34	14.25	0.65	24.25	0.23	34.25	0.11
4.50	6.55	14.50	0.63	24.50	0.22	34.50	0.11
4.75	5.88	14.75	0.61	24.75	0.22	34.75	0.11
5.00	5.30	15.00	0.59	25.00	0.21	35.00	0.11
5.25	4.81	15.25	0.57	25.25	0.21	35.25	0.11
5.50	4.38	15.50	0.55	25.50	0.20	35.50	0.11
5.75	4.01	15.75	0.53	25.75	0.20	35.75	0.10
6.00	3.68	16.00	0.52	26.00	0.20	36.00	0.10
6.25	3.39	16.25	0.50	26.25	0.19	36.25	0.10
6.50	3.14	16.50	0.49	26.50	0.19	36.50	0.10
6.75	2.91	16.75	0.47	26.75	0.19	36.75	0.10
7.00	2.71	17.00	0.46	27.00	0.18	37.00	0.10
7.25	2.52	17.25	0.45	27.25	0.18	37.25	0.10
7.50	2.36	17.50	0.43	27.50	0.18	37.50	0.09
7.75	2.21	17.75	0.42	27.75	0.17	37.75	0.09
8.00	2.07	18.00	0.41	28.00	0.17	38.00	0.09
8.25	1.95	18.25	0.40	28.25	0.17	38.25	0.09
8.50	1.84	18.50	0.39	28.50	0.16	38.50	0.09
8.75	1.73	18.75	0.38	28.75	0.16	38.75	0.09
9.00	1.64	19.00	0.37	29.00	0.16	39.00	0.09
9.25	1.55	19.25	0.36	29.25	0.15	39.25	0.09
9.50	1.47	19.50	0.35	29.50	0.15	39.50	0.08
9.75	1.39	19.75	0.34	29.75	0.15	39.75	0.08
10.00	1.33	20.00	0.33	30.00	0.15	40.00	0.08

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.14159
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.49

5.84 Inches

BioInitiative ft. 36.50

438.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.08	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.08	54.50	0.04	68.50	0.03	82.50	0.02
40.75	0.08	54.75	0.04	68.75	0.03	82.75	0.02
41.00	0.08	55.00	0.04	69.00	0.03	83.00	0.02
41.25	0.08	55.25	0.04	69.25	0.03	83.25	0.02
41.50	0.08	55.50	0.04	69.50	0.03	83.50	0.02
41.75	0.08	55.75	0.04	69.75	0.03	83.75	0.02
42.00	0.08	56.00	0.04	70.00	0.03	84.00	0.02
42.25	0.07	56.25	0.04	70.25	0.03	84.25	0.02
42.50	0.07	56.50	0.04	70.50	0.03	84.50	0.02
42.75	0.07	56.75	0.04	70.75	0.03	84.75	0.02
43.00	0.07	57.00	0.04	71.00	0.03	85.00	0.02
43.25	0.07	57.25	0.04	71.25	0.03	85.25	0.02
43.50	0.07	57.50	0.04	71.50	0.03	85.50	0.02
43.75	0.07	57.75	0.04	71.75	0.03	85.75	0.02
44.00	0.07	58.00	0.04	72.00	0.03	86.00	0.02
44.25	0.07	58.25	0.04	72.25	0.03	86.25	0.02
44.50	0.07	58.50	0.04	72.50	0.03	86.50	0.02
44.75	0.07	58.75	0.04	72.75	0.03	86.75	0.02
45.00	0.07	59.00	0.04	73.00	0.02	87.00	0.02
45.25	0.06	59.25	0.04	73.25	0.02	87.25	0.02
45.50	0.06	59.50	0.04	73.50	0.02	87.50	0.02
45.75	0.06	59.75	0.04	73.75	0.02	87.75	0.02
46.00	0.06	60.00	0.04	74.00	0.02	88.00	0.02
46.25	0.06	60.25	0.04	74.25	0.02	88.25	0.02
46.50	0.06	60.50	0.04	74.50	0.02	88.50	0.02
46.75	0.06	60.75	0.04	74.75	0.02	88.75	0.02
47.00	0.06	61.00	0.04	75.00	0.02	89.00	0.02
47.25	0.06	61.25	0.04	75.25	0.02	89.25	0.02
47.50	0.06	61.50	0.04	75.50	0.02	89.50	0.02
47.75	0.06	61.75	0.03	75.75	0.02	89.75	0.02
48.00	0.06	62.00	0.03	76.00	0.02	90.00	0.02
48.25	0.06	62.25	0.03	76.25	0.02	90.25	0.02
48.50	0.06	62.50	0.03	76.50	0.02	90.50	0.02
48.75	0.06	62.75	0.03	76.75	0.02	90.75	0.02
49.00	0.06	63.00	0.03	77.00	0.02	91.00	0.02
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.02
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.02
49.75	0.05	63.75	0.03	77.75	0.02	91.75	0.02
50.00	0.05	64.00	0.03	78.00	0.02	92.00	0.02
50.25	0.05	64.25	0.03	78.25	0.02	92.25	0.02
50.50	0.05	64.50	0.03	78.50	0.02	92.50	0.02
50.75	0.05	64.75	0.03	78.75	0.02	92.75	0.02
51.00	0.05	65.00	0.03	79.00	0.02	93.00	0.02
51.25	0.05	65.25	0.03	79.25	0.02	93.25	0.02
51.50	0.05	65.50	0.03	79.50	0.02	93.50	0.02
51.75	0.05	65.75	0.03	79.75	0.02	93.75	0.02
52.00	0.05	66.00	0.03	80.00	0.02	94.00	0.02
52.25	0.05	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.05	66.50	0.03	80.50	0.02	94.50	0.01
52.75	0.05	66.75	0.03	80.75	0.02	94.75	0.01
53.00	0.05	67.00	0.03	81.00	0.02	95.00	0.01
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.01
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.01
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.01
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.01

Table 9 – 40%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.54 6.5 Inches

BioInitiative ft. 40.70 488.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	2652.05	10.25	1.58	20.25	0.40	30.25	0.18
0.50	663.01	10.50	1.50	20.50	0.39	30.50	0.18
0.75	294.67	10.75	1.43	20.75	0.38	30.75	0.18
1.00	165.75	11.00	1.37	21.00	0.38	31.00	0.17
1.25	106.08	11.25	1.31	21.25	0.37	31.25	0.17
1.50	73.67	11.50	1.25	21.50	0.36	31.50	0.17
1.75	54.12	11.75	1.20	21.75	0.35	31.75	0.16
2.00	41.44	12.00	1.15	22.00	0.34	32.00	0.16
2.25	32.74	12.25	1.10	22.25	0.33	32.25	0.16
2.50	26.52	12.50	1.06	22.50	0.33	32.50	0.16
2.75	21.92	12.75	1.02	22.75	0.32	32.75	0.15
3.00	18.42	13.00	0.98	23.00	0.31	33.00	0.15
3.25	15.69	13.25	0.94	23.25	0.31	33.25	0.15
3.50	13.53	13.50	0.91	23.50	0.30	33.50	0.15
3.75	11.79	13.75	0.88	23.75	0.29	33.75	0.15
4.00	10.36	14.00	0.85	24.00	0.29	34.00	0.14
4.25	9.18	14.25	0.82	24.25	0.28	34.25	0.14
4.50	8.19	14.50	0.79	24.50	0.28	34.50	0.14
4.75	7.35	14.75	0.76	24.75	0.27	34.75	0.14
5.00	6.63	15.00	0.74	25.00	0.27	35.00	0.14
5.25	6.01	15.25	0.71	25.25	0.26	35.25	0.13
5.50	5.48	15.50	0.69	25.50	0.25	35.50	0.13
5.75	5.01	15.75	0.67	25.75	0.25	35.75	0.13
6.00	4.60	16.00	0.65	26.00	0.25	36.00	0.13
6.25	4.24	16.25	0.63	26.25	0.24	36.25	0.13
6.50	3.92	16.50	0.61	26.50	0.24	36.50	0.12
6.75	3.64	16.75	0.59	26.75	0.23	36.75	0.12
7.00	3.38	17.00	0.57	27.00	0.23	37.00	0.12
7.25	3.15	17.25	0.56	27.25	0.22	37.25	0.12
7.50	2.95	17.50	0.54	27.50	0.22	37.50	0.12
7.75	2.76	17.75	0.53	27.75	0.22	37.75	0.12
8.00	2.59	18.00	0.51	28.00	0.21	38.00	0.11
8.25	2.44	18.25	0.50	28.25	0.21	38.25	0.11
8.50	2.29	18.50	0.48	28.50	0.20	38.50	0.11
8.75	2.16	18.75	0.47	28.75	0.20	38.75	0.11
9.00	2.05	19.00	0.46	29.00	0.20	39.00	0.11
9.25	1.94	19.25	0.45	29.25	0.19	39.25	0.11
9.50	1.84	19.50	0.44	29.50	0.19	39.50	0.11
9.75	1.74	19.75	0.42	29.75	0.19	39.75	0.10
10.00	1.66	20.00	0.41	30.00	0.18	40.00	0.10

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.54

6.52 Inches

BioInitiative ft. 40.70

488.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.10	54.25	0.06	68.25	0.04	82.25	0.02
40.50	0.10	54.50	0.06	68.50	0.04	82.50	0.02
40.75	0.10	54.75	0.06	68.75	0.04	82.75	0.02
41.00	0.10	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.10	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.10	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.10	55.75	0.05	69.75	0.03	83.75	0.02
42.00	0.09	56.00	0.05	70.00	0.03	84.00	0.02
42.25	0.09	56.25	0.05	70.25	0.03	84.25	0.02
42.50	0.09	56.50	0.05	70.50	0.03	84.50	0.02
42.75	0.09	56.75	0.05	70.75	0.03	84.75	0.02
43.00	0.09	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.09	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.09	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.09	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.09	58.00	0.05	72.00	0.03	86.00	0.02
44.25	0.08	58.25	0.05	72.25	0.03	86.25	0.02
44.50	0.08	58.50	0.05	72.50	0.03	86.50	0.02
44.75	0.08	58.75	0.05	72.75	0.03	86.75	0.02
45.00	0.08	59.00	0.05	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.05	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.05	73.50	0.03	87.50	0.02
45.75	0.08	59.75	0.05	73.75	0.03	87.75	0.02
46.00	0.08	60.00	0.05	74.00	0.03	88.00	0.02
46.25	0.08	60.25	0.05	74.25	0.03	88.25	0.02
46.50	0.08	60.50	0.05	74.50	0.03	88.50	0.02
46.75	0.08	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.08	61.00	0.04	75.00	0.03	89.00	0.02
47.25	0.07	61.25	0.04	75.25	0.03	89.25	0.02
47.50	0.07	61.50	0.04	75.50	0.03	89.50	0.02
47.75	0.07	61.75	0.04	75.75	0.03	89.75	0.02
48.00	0.07	62.00	0.04	76.00	0.03	90.00	0.02
48.25	0.07	62.25	0.04	76.25	0.03	90.25	0.02
48.50	0.07	62.50	0.04	76.50	0.03	90.50	0.02
48.75	0.07	62.75	0.04	76.75	0.03	90.75	0.02
49.00	0.07	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.07	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.07	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.07	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.07	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.07	64.25	0.04	78.25	0.03	92.25	0.02
50.50	0.06	64.50	0.04	78.50	0.03	92.50	0.02
50.75	0.06	64.75	0.04	78.75	0.03	92.75	0.02
51.00	0.06	65.00	0.04	79.00	0.03	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.03	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.03	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.03	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.03	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.03	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.06	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.06	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.06	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.06	67.50	0.04	81.50	0.02	95.50	0.02
53.75	0.06	67.75	0.04	81.75	0.02	95.75	0.02
54.00	0.06	68.00	0.04	82.00	0.02	96.00	0.02

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.60 7.1 Inches

BioInitiative ft. 44.50 534.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	3182.46	10.25	1.89	20.25	0.49	30.25	0.22
0.50	795.62	10.50	1.80	20.50	0.47	30.50	0.21
0.75	353.61	10.75	1.72	20.75	0.46	30.75	0.21
1.00	198.90	11.00	1.64	21.00	0.45	31.00	0.21
1.25	127.30	11.25	1.57	21.25	0.44	31.25	0.20
1.50	88.40	11.50	1.50	21.50	0.43	31.50	0.20
1.75	64.95	11.75	1.44	21.75	0.42	31.75	0.20
2.00	49.73	12.00	1.38	22.00	0.41	32.00	0.19
2.25	39.29	12.25	1.33	22.25	0.40	32.25	0.19
2.50	31.82	12.50	1.27	22.50	0.39	32.50	0.19
2.75	26.30	12.75	1.22	22.75	0.38	32.75	0.19
3.00	22.10	13.00	1.18	23.00	0.38	33.00	0.18
3.25	18.83	13.25	1.13	23.25	0.37	33.25	0.18
3.50	16.24	13.50	1.09	23.50	0.36	33.50	0.18
3.75	14.14	13.75	1.05	23.75	0.35	33.75	0.17
4.00	12.43	14.00	1.01	24.00	0.35	34.00	0.17
4.25	11.01	14.25	0.98	24.25	0.34	34.25	0.17
4.50	9.82	14.50	0.95	24.50	0.33	34.50	0.17
4.75	8.82	14.75	0.91	24.75	0.32	34.75	0.16
5.00	7.96	15.00	0.88	25.00	0.32	35.00	0.16
5.25	7.22	15.25	0.86	25.25	0.31	35.25	0.16
5.50	6.58	15.50	0.83	25.50	0.31	35.50	0.16
5.75	6.02	15.75	0.80	25.75	0.30	35.75	0.16
6.00	5.53	16.00	0.78	26.00	0.29	36.00	0.15
6.25	5.09	16.25	0.75	26.25	0.29	36.25	0.15
6.50	4.71	16.50	0.73	26.50	0.28	36.50	0.15
6.75	4.37	16.75	0.71	26.75	0.28	36.75	0.15
7.00	4.06	17.00	0.69	27.00	0.27	37.00	0.15
7.25	3.78	17.25	0.67	27.25	0.27	37.25	0.14
7.50	3.54	17.50	0.65	27.50	0.26	37.50	0.14
7.75	3.31	17.75	0.63	27.75	0.26	37.75	0.14
8.00	3.11	18.00	0.61	28.00	0.25	38.00	0.14
8.25	2.92	18.25	0.60	28.25	0.25	38.25	0.14
8.50	2.75	18.50	0.58	28.50	0.24	38.50	0.13
8.75	2.60	18.75	0.57	28.75	0.24	38.75	0.13
9.00	2.46	19.00	0.55	29.00	0.24	39.00	0.13
9.25	2.32	19.25	0.54	29.25	0.23	39.25	0.13
9.50	2.20	19.50	0.52	29.50	0.23	39.50	0.13
9.75	2.09	19.75	0.51	29.75	0.22	39.75	0.13
10.00	1.99	20.00	0.50	30.00	0.22	40.00	0.12

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.60

7.15 Inches

BioInitiative ft. 44.50

534.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.12	54.25	0.07	68.25	0.04	82.25	0.03
40.50	0.12	54.50	0.07	68.50	0.04	82.50	0.03
40.75	0.12	54.75	0.07	68.75	0.04	82.75	0.03
41.00	0.12	55.00	0.07	69.00	0.04	83.00	0.03
41.25	0.12	55.25	0.07	69.25	0.04	83.25	0.03
41.50	0.12	55.50	0.06	69.50	0.04	83.50	0.03
41.75	0.11	55.75	0.06	69.75	0.04	83.75	0.03
42.00	0.11	56.00	0.06	70.00	0.04	84.00	0.03
42.25	0.11	56.25	0.06	70.25	0.04	84.25	0.03
42.50	0.11	56.50	0.06	70.50	0.04	84.50	0.03
42.75	0.11	56.75	0.06	70.75	0.04	84.75	0.03
43.00	0.11	57.00	0.06	71.00	0.04	85.00	0.03
43.25	0.11	57.25	0.06	71.25	0.04	85.25	0.03
43.50	0.11	57.50	0.06	71.50	0.04	85.50	0.03
43.75	0.10	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.10	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.10	58.25	0.06	72.25	0.04	86.25	0.03
44.50	0.10	58.50	0.06	72.50	0.04	86.50	0.03
44.75	0.10	58.75	0.06	72.75	0.04	86.75	0.03
45.00	0.10	59.00	0.06	73.00	0.04	87.00	0.03
45.25	0.10	59.25	0.06	73.25	0.04	87.25	0.03
45.50	0.10	59.50	0.06	73.50	0.04	87.50	0.03
45.75	0.10	59.75	0.06	73.75	0.04	87.75	0.03
46.00	0.09	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.09	60.25	0.05	74.25	0.04	88.25	0.03
46.50	0.09	60.50	0.05	74.50	0.04	88.50	0.03
46.75	0.09	60.75	0.05	74.75	0.04	88.75	0.03
47.00	0.09	61.00	0.05	75.00	0.04	89.00	0.03
47.25	0.09	61.25	0.05	75.25	0.04	89.25	0.02
47.50	0.09	61.50	0.05	75.50	0.03	89.50	0.02
47.75	0.09	61.75	0.05	75.75	0.03	89.75	0.02
48.00	0.09	62.00	0.05	76.00	0.03	90.00	0.02
48.25	0.09	62.25	0.05	76.25	0.03	90.25	0.02
48.50	0.08	62.50	0.05	76.50	0.03	90.50	0.02
48.75	0.08	62.75	0.05	76.75	0.03	90.75	0.02
49.00	0.08	63.00	0.05	77.00	0.03	91.00	0.02
49.25	0.08	63.25	0.05	77.25	0.03	91.25	0.02
49.50	0.08	63.50	0.05	77.50	0.03	91.50	0.02
49.75	0.08	63.75	0.05	77.75	0.03	91.75	0.02
50.00	0.08	64.00	0.05	78.00	0.03	92.00	0.02
50.25	0.08	64.25	0.05	78.25	0.03	92.25	0.02
50.50	0.08	64.50	0.05	78.50	0.03	92.50	0.02
50.75	0.08	64.75	0.05	78.75	0.03	92.75	0.02
51.00	0.08	65.00	0.05	79.00	0.03	93.00	0.02
51.25	0.08	65.25	0.05	79.25	0.03	93.25	0.02
51.50	0.07	65.50	0.05	79.50	0.03	93.50	0.02
51.75	0.07	65.75	0.05	79.75	0.03	93.75	0.02
52.00	0.07	66.00	0.05	80.00	0.03	94.00	0.02
52.25	0.07	66.25	0.05	80.25	0.03	94.25	0.02
52.50	0.07	66.50	0.04	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.04	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.04	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.04	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.04	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.04	81.75	0.03	95.75	0.02
54.00	0.07	68.00	0.04	82.00	0.03	96.00	0.02

Table 9 – 60%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.64 7.7 Inches

BioInitiative ft. 48.10 577.2 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	3712.87	10.25	2.21	20.25	0.57	30.25	0.25
0.50	928.22	10.50	2.10	20.50	0.55	30.50	0.25
0.75	412.54	10.75	2.01	20.75	0.54	30.75	0.25
1.00	232.05	11.00	1.92	21.00	0.53	31.00	0.24
1.25	148.51	11.25	1.83	21.25	0.51	31.25	0.24
1.50	103.14	11.50	1.75	21.50	0.50	31.50	0.23
1.75	75.77	11.75	1.68	21.75	0.49	31.75	0.23
2.00	58.01	12.00	1.61	22.00	0.48	32.00	0.23
2.25	45.84	12.25	1.55	22.25	0.47	32.25	0.22
2.50	37.13	12.50	1.49	22.50	0.46	32.50	0.22
2.75	30.68	12.75	1.43	22.75	0.45	32.75	0.22
3.00	25.78	13.00	1.37	23.00	0.44	33.00	0.21
3.25	21.97	13.25	1.32	23.25	0.43	33.25	0.21
3.50	18.94	13.50	1.27	23.50	0.42	33.50	0.21
3.75	16.50	13.75	1.23	23.75	0.41	33.75	0.20
4.00	14.50	14.00	1.18	24.00	0.40	34.00	0.20
4.25	12.85	14.25	1.14	24.25	0.39	34.25	0.20
4.50	11.46	14.50	1.10	24.50	0.39	34.50	0.19
4.75	10.28	14.75	1.07	24.75	0.38	34.75	0.19
5.00	9.28	15.00	1.03	25.00	0.37	35.00	0.19
5.25	8.42	15.25	1.00	25.25	0.36	35.25	0.19
5.50	7.67	15.50	0.97	25.50	0.36	35.50	0.18
5.75	7.02	15.75	0.94	25.75	0.35	35.75	0.18
6.00	6.45	16.00	0.91	26.00	0.34	36.00	0.18
6.25	5.94	16.25	0.88	26.25	0.34	36.25	0.18
6.50	5.49	16.50	0.85	26.50	0.33	36.50	0.17
6.75	5.09	16.75	0.83	26.75	0.32	36.75	0.17
7.00	4.74	17.00	0.80	27.00	0.32	37.00	0.17
7.25	4.41	17.25	0.78	27.25	0.31	37.25	0.17
7.50	4.13	17.50	0.76	27.50	0.31	37.50	0.17
7.75	3.86	17.75	0.74	27.75	0.30	37.75	0.16
8.00	3.63	18.00	0.72	28.00	0.30	38.00	0.16
8.25	3.41	18.25	0.70	28.25	0.29	38.25	0.16
8.50	3.21	18.50	0.68	28.50	0.29	38.50	0.16
8.75	3.03	18.75	0.66	28.75	0.28	38.75	0.15
9.00	2.86	19.00	0.64	29.00	0.28	39.00	0.15
9.25	2.71	19.25	0.63	29.25	0.27	39.25	0.15
9.50	2.57	19.50	0.61	29.50	0.27	39.50	0.15
9.75	2.44	19.75	0.59	29.75	0.26	39.75	0.15
10.00	2.32	20.00	0.58	30.00	0.26	40.00	0.15

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi)(R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.64

7.72 Inches

BioInitiative ft. 48.10

577.20 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.14	54.25	0.08	68.25	0.05	82.25	0.03
40.50	0.14	54.50	0.08	68.50	0.05	82.50	0.03
40.75	0.14	54.75	0.08	68.75	0.05	82.75	0.03
41.00	0.14	55.00	0.08	69.00	0.05	83.00	0.03
41.25	0.14	55.25	0.08	69.25	0.05	83.25	0.03
41.50	0.13	55.50	0.08	69.50	0.05	83.50	0.03
41.75	0.13	55.75	0.07	69.75	0.05	83.75	0.03
42.00	0.13	56.00	0.07	70.00	0.05	84.00	0.03
42.25	0.13	56.25	0.07	70.25	0.05	84.25	0.03
42.50	0.13	56.50	0.07	70.50	0.05	84.50	0.03
42.75	0.13	56.75	0.07	70.75	0.05	84.75	0.03
43.00	0.13	57.00	0.07	71.00	0.05	85.00	0.03
43.25	0.12	57.25	0.07	71.25	0.05	85.25	0.03
43.50	0.12	57.50	0.07	71.50	0.05	85.50	0.03
43.75	0.12	57.75	0.07	71.75	0.05	85.75	0.03
44.00	0.12	58.00	0.07	72.00	0.04	86.00	0.03
44.25	0.12	58.25	0.07	72.25	0.04	86.25	0.03
44.50	0.12	58.50	0.07	72.50	0.04	86.50	0.03
44.75	0.12	58.75	0.07	72.75	0.04	86.75	0.03
45.00	0.11	59.00	0.07	73.00	0.04	87.00	0.03
45.25	0.11	59.25	0.07	73.25	0.04	87.25	0.03
45.50	0.11	59.50	0.07	73.50	0.04	87.50	0.03
45.75	0.11	59.75	0.07	73.75	0.04	87.75	0.03
46.00	0.11	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.11	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.11	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.11	60.75	0.06	74.75	0.04	88.75	0.03
47.00	0.11	61.00	0.06	75.00	0.04	89.00	0.03
47.25	0.10	61.25	0.06	75.25	0.04	89.25	0.03
47.50	0.10	61.50	0.06	75.50	0.04	89.50	0.03
47.75	0.10	61.75	0.06	75.75	0.04	89.75	0.03
48.00	0.10	62.00	0.06	76.00	0.04	90.00	0.03
48.25	0.10	62.25	0.06	76.25	0.04	90.25	0.03
48.50	0.10	62.50	0.06	76.50	0.04	90.50	0.03
48.75	0.10	62.75	0.06	76.75	0.04	90.75	0.03
49.00	0.10	63.00	0.06	77.00	0.04	91.00	0.03
49.25	0.10	63.25	0.06	77.25	0.04	91.25	0.03
49.50	0.09	63.50	0.06	77.50	0.04	91.50	0.03
49.75	0.09	63.75	0.06	77.75	0.04	91.75	0.03
50.00	0.09	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.09	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.09	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.09	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.09	65.00	0.05	79.00	0.04	93.00	0.03
51.25	0.09	65.25	0.05	79.25	0.04	93.25	0.03
51.50	0.09	65.50	0.05	79.50	0.04	93.50	0.03
51.75	0.09	65.75	0.05	79.75	0.04	93.75	0.03
52.00	0.09	66.00	0.05	80.00	0.04	94.00	0.03
52.25	0.08	66.25	0.05	80.25	0.04	94.25	0.03
52.50	0.08	66.50	0.05	80.50	0.04	94.50	0.03
52.75	0.08	66.75	0.05	80.75	0.04	94.75	0.03
53.00	0.08	67.00	0.05	81.00	0.04	95.00	0.03
53.25	0.08	67.25	0.05	81.25	0.04	95.25	0.03
53.50	0.08	67.50	0.05	81.50	0.03	95.50	0.03
53.75	0.08	67.75	0.05	81.75	0.03	95.75	0.03
54.00	0.08	68.00	0.05	82.00	0.03	96.00	0.03

Table 9 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.69 8.3 Inches

BioInitiative ft. 51.50 618.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4243.29	10.25	2.52	20.25	0.65	30.25	0.29
0.50	1060.82	10.50	2.41	20.50	0.63	30.50	0.29
0.75	471.48	10.75	2.29	20.75	0.62	30.75	0.28
1.00	265.21	11.00	2.19	21.00	0.60	31.00	0.28
1.25	169.73	11.25	2.10	21.25	0.59	31.25	0.27
1.50	117.87	11.50	2.01	21.50	0.57	31.50	0.27
1.75	86.60	11.75	1.92	21.75	0.56	31.75	0.26
2.00	66.30	12.00	1.84	22.00	0.55	32.00	0.26
2.25	52.39	12.25	1.77	22.25	0.54	32.25	0.25
2.50	42.43	12.50	1.70	22.50	0.52	32.50	0.25
2.75	35.07	12.75	1.63	22.75	0.51	32.75	0.25
3.00	29.47	13.00	1.57	23.00	0.50	33.00	0.24
3.25	25.11	13.25	1.51	23.25	0.49	33.25	0.24
3.50	21.65	13.50	1.46	23.50	0.48	33.50	0.24
3.75	18.86	13.75	1.40	23.75	0.47	33.75	0.23
4.00	16.58	14.00	1.35	24.00	0.46	34.00	0.23
4.25	14.68	14.25	1.31	24.25	0.45	34.25	0.23
4.50	13.10	14.50	1.26	24.50	0.44	34.50	0.22
4.75	11.75	14.75	1.22	24.75	0.43	34.75	0.22
5.00	10.61	15.00	1.18	25.00	0.42	35.00	0.22
5.25	9.62	15.25	1.14	25.25	0.42	35.25	0.21
5.50	8.77	15.50	1.10	25.50	0.41	35.50	0.21
5.75	8.02	15.75	1.07	25.75	0.40	35.75	0.21
6.00	7.37	16.00	1.04	26.00	0.39	36.00	0.20
6.25	6.79	16.25	1.00	26.25	0.38	36.25	0.20
6.50	6.28	16.50	0.97	26.50	0.38	36.50	0.20
6.75	5.82	16.75	0.95	26.75	0.37	36.75	0.20
7.00	5.41	17.00	0.92	27.00	0.36	37.00	0.19
7.25	5.05	17.25	0.89	27.25	0.36	37.25	0.19
7.50	4.71	17.50	0.87	27.50	0.35	37.50	0.19
7.75	4.42	17.75	0.84	27.75	0.34	37.75	0.19
8.00	4.14	18.00	0.82	28.00	0.34	38.00	0.18
8.25	3.90	18.25	0.80	28.25	0.33	38.25	0.18
8.50	3.67	18.50	0.77	28.50	0.33	38.50	0.18
8.75	3.46	18.75	0.75	28.75	0.32	38.75	0.18
9.00	3.27	19.00	0.73	29.00	0.32	39.00	0.17
9.25	3.10	19.25	0.72	29.25	0.31	39.25	0.17
9.50	2.94	19.50	0.70	29.50	0.30	39.50	0.17
9.75	2.79	19.75	0.68	29.75	0.30	39.75	0.17
10.00	2.65	20.00	0.66	30.00	0.29	40.00	0.17

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi)(R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.69

8.25 Inches

BioInitiative ft. 51.50

618.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.16	54.25	0.09	68.25	0.06	82.25	0.04
40.50	0.16	54.50	0.09	68.50	0.06	82.50	0.04
40.75	0.16	54.75	0.09	68.75	0.06	82.75	0.04
41.00	0.16	55.00	0.09	69.00	0.06	83.00	0.04
41.25	0.16	55.25	0.09	69.25	0.06	83.25	0.04
41.50	0.15	55.50	0.09	69.50	0.05	83.50	0.04
41.75	0.15	55.75	0.09	69.75	0.05	83.75	0.04
42.00	0.15	56.00	0.08	70.00	0.05	84.00	0.04
42.25	0.15	56.25	0.08	70.25	0.05	84.25	0.04
42.50	0.15	56.50	0.08	70.50	0.05	84.50	0.04
42.75	0.15	56.75	0.08	70.75	0.05	84.75	0.04
43.00	0.14	57.00	0.08	71.00	0.05	85.00	0.04
43.25	0.14	57.25	0.08	71.25	0.05	85.25	0.04
43.50	0.14	57.50	0.08	71.50	0.05	85.50	0.04
43.75	0.14	57.75	0.08	71.75	0.05	85.75	0.04
44.00	0.14	58.00	0.08	72.00	0.05	86.00	0.04
44.25	0.14	58.25	0.08	72.25	0.05	86.25	0.04
44.50	0.13	58.50	0.08	72.50	0.05	86.50	0.04
44.75	0.13	58.75	0.08	72.75	0.05	86.75	0.04
45.00	0.13	59.00	0.08	73.00	0.05	87.00	0.04
45.25	0.13	59.25	0.08	73.25	0.05	87.25	0.03
45.50	0.13	59.50	0.07	73.50	0.05	87.50	0.03
45.75	0.13	59.75	0.07	73.75	0.05	87.75	0.03
46.00	0.13	60.00	0.07	74.00	0.05	88.00	0.03
46.25	0.12	60.25	0.07	74.25	0.05	88.25	0.03
46.50	0.12	60.50	0.07	74.50	0.05	88.50	0.03
46.75	0.12	60.75	0.07	74.75	0.05	88.75	0.03
47.00	0.12	61.00	0.07	75.00	0.05	89.00	0.03
47.25	0.12	61.25	0.07	75.25	0.05	89.25	0.03
47.50	0.12	61.50	0.07	75.50	0.05	89.50	0.03
47.75	0.12	61.75	0.07	75.75	0.05	89.75	0.03
48.00	0.12	62.00	0.07	76.00	0.05	90.00	0.03
48.25	0.11	62.25	0.07	76.25	0.05	90.25	0.03
48.50	0.11	62.50	0.07	76.50	0.05	90.50	0.03
48.75	0.11	62.75	0.07	76.75	0.05	90.75	0.03
49.00	0.11	63.00	0.07	77.00	0.04	91.00	0.03
49.25	0.11	63.25	0.07	77.25	0.04	91.25	0.03
49.50	0.11	63.50	0.07	77.50	0.04	91.50	0.03
49.75	0.11	63.75	0.07	77.75	0.04	91.75	0.03
50.00	0.11	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.11	64.25	0.06	78.25	0.04	92.25	0.03
50.50	0.10	64.50	0.06	78.50	0.04	92.50	0.03
50.75	0.10	64.75	0.06	78.75	0.04	92.75	0.03
51.00	0.10	65.00	0.06	79.00	0.04	93.00	0.03
51.25	0.10	65.25	0.06	79.25	0.04	93.25	0.03
51.50	0.10	65.50	0.06	79.50	0.04	93.50	0.03
51.75	0.10	65.75	0.06	79.75	0.04	93.75	0.03
52.00	0.10	66.00	0.06	80.00	0.04	94.00	0.03
52.25	0.10	66.25	0.06	80.25	0.04	94.25	0.03
52.50	0.10	66.50	0.06	80.50	0.04	94.50	0.03
52.75	0.10	66.75	0.06	80.75	0.04	94.75	0.03
53.00	0.09	67.00	0.06	81.00	0.04	95.00	0.03
53.25	0.09	67.25	0.06	81.25	0.04	95.25	0.03
53.50	0.09	67.50	0.06	81.50	0.04	95.50	0.03
53.75	0.09	67.75	0.06	81.75	0.04	95.75	0.03
54.00	0.09	68.00	0.06	82.00	0.04	96.00	0.03

Table 9 – 80%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.73 8.8 Inches

BioInitiative ft. 54.50 654.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4773.70	10.25	2.84	20.25	0.73	30.25	0.33
0.50	1193.42	10.50	2.71	20.50	0.71	30.50	0.32
0.75	530.41	10.75	2.58	20.75	0.69	30.75	0.32
1.00	298.36	11.00	2.47	21.00	0.68	31.00	0.31
1.25	190.95	11.25	2.36	21.25	0.66	31.25	0.31
1.50	132.60	11.50	2.26	21.50	0.65	31.50	0.30
1.75	97.42	11.75	2.16	21.75	0.63	31.75	0.30
2.00	74.59	12.00	2.07	22.00	0.62	32.00	0.29
2.25	58.93	12.25	1.99	22.25	0.60	32.25	0.29
2.50	47.74	12.50	1.91	22.50	0.59	32.50	0.28
2.75	39.45	12.75	1.84	22.75	0.58	32.75	0.28
3.00	33.15	13.00	1.77	23.00	0.56	33.00	0.27
3.25	28.25	13.25	1.70	23.25	0.55	33.25	0.27
3.50	24.36	13.50	1.64	23.50	0.54	33.50	0.27
3.75	21.22	13.75	1.58	23.75	0.53	33.75	0.26
4.00	18.65	14.00	1.52	24.00	0.52	34.00	0.26
4.25	16.52	14.25	1.47	24.25	0.51	34.25	0.25
4.50	14.73	14.50	1.42	24.50	0.50	34.50	0.25
4.75	13.22	14.75	1.37	24.75	0.49	34.75	0.25
5.00	11.93	15.00	1.33	25.00	0.48	35.00	0.24
5.25	10.82	15.25	1.28	25.25	0.47	35.25	0.24
5.50	9.86	15.50	1.24	25.50	0.46	35.50	0.24
5.75	9.02	15.75	1.20	25.75	0.45	35.75	0.23
6.00	8.29	16.00	1.17	26.00	0.44	36.00	0.23
6.25	7.64	16.25	1.13	26.25	0.43	36.25	0.23
6.50	7.06	16.50	1.10	26.50	0.42	36.50	0.22
6.75	6.55	16.75	1.06	26.75	0.42	36.75	0.22
7.00	6.09	17.00	1.03	27.00	0.41	37.00	0.22
7.25	5.68	17.25	1.00	27.25	0.40	37.25	0.22
7.50	5.30	17.50	0.97	27.50	0.39	37.50	0.21
7.75	4.97	17.75	0.95	27.75	0.39	37.75	0.21
8.00	4.66	18.00	0.92	28.00	0.38	38.00	0.21
8.25	4.38	18.25	0.90	28.25	0.37	38.25	0.20
8.50	4.13	18.50	0.87	28.50	0.37	38.50	0.20
8.75	3.90	18.75	0.85	28.75	0.36	38.75	0.20
9.00	3.68	19.00	0.83	29.00	0.35	39.00	0.20
9.25	3.49	19.25	0.81	29.25	0.35	39.25	0.19
9.50	3.31	19.50	0.78	29.50	0.34	39.50	0.19
9.75	3.14	19.75	0.76	29.75	0.34	39.75	0.19
10.00	2.98	20.00	0.75	30.00	0.33	40.00	0.19

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi)(R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64*ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.73

8.75 Inches

BioInitiative ft. 54.50

654.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.18	54.25	0.10	68.25	0.06	82.25	0.04
40.50	0.18	54.50	0.10	68.50	0.06	82.50	0.04
40.75	0.18	54.75	0.10	68.75	0.06	82.75	0.04
41.00	0.18	55.00	0.10	69.00	0.06	83.00	0.04
41.25	0.18	55.25	0.10	69.25	0.06	83.25	0.04
41.50	0.17	55.50	0.10	69.50	0.06	83.50	0.04
41.75	0.17	55.75	0.10	69.75	0.06	83.75	0.04
42.00	0.17	56.00	0.10	70.00	0.06	84.00	0.04
42.25	0.17	56.25	0.09	70.25	0.06	84.25	0.04
42.50	0.17	56.50	0.09	70.50	0.06	84.50	0.04
42.75	0.16	56.75	0.09	70.75	0.06	84.75	0.04
43.00	0.16	57.00	0.09	71.00	0.06	85.00	0.04
43.25	0.16	57.25	0.09	71.25	0.06	85.25	0.04
43.50	0.16	57.50	0.09	71.50	0.06	85.50	0.04
43.75	0.16	57.75	0.09	71.75	0.06	85.75	0.04
44.00	0.15	58.00	0.09	72.00	0.06	86.00	0.04
44.25	0.15	58.25	0.09	72.25	0.06	86.25	0.04
44.50	0.15	58.50	0.09	72.50	0.06	86.50	0.04
44.75	0.15	58.75	0.09	72.75	0.06	86.75	0.04
45.00	0.15	59.00	0.09	73.00	0.06	87.00	0.04
45.25	0.15	59.25	0.08	73.25	0.06	87.25	0.04
45.50	0.14	59.50	0.08	73.50	0.06	87.50	0.04
45.75	0.14	59.75	0.08	73.75	0.05	87.75	0.04
46.00	0.14	60.00	0.08	74.00	0.05	88.00	0.04
46.25	0.14	60.25	0.08	74.25	0.05	88.25	0.04
46.50	0.14	60.50	0.08	74.50	0.05	88.50	0.04
46.75	0.14	60.75	0.08	74.75	0.05	88.75	0.04
47.00	0.14	61.00	0.08	75.00	0.05	89.00	0.04
47.25	0.13	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.13	61.50	0.08	75.50	0.05	89.50	0.04
47.75	0.13	61.75	0.08	75.75	0.05	89.75	0.04
48.00	0.13	62.00	0.08	76.00	0.05	90.00	0.04
48.25	0.13	62.25	0.08	76.25	0.05	90.25	0.04
48.50	0.13	62.50	0.08	76.50	0.05	90.50	0.04
48.75	0.13	62.75	0.08	76.75	0.05	90.75	0.04
49.00	0.12	63.00	0.08	77.00	0.05	91.00	0.04
49.25	0.12	63.25	0.07	77.25	0.05	91.25	0.04
49.50	0.12	63.50	0.07	77.50	0.05	91.50	0.04
49.75	0.12	63.75	0.07	77.75	0.05	91.75	0.04
50.00	0.12	64.00	0.07	78.00	0.05	92.00	0.04
50.25	0.12	64.25	0.07	78.25	0.05	92.25	0.04
50.50	0.12	64.50	0.07	78.50	0.05	92.50	0.03
50.75	0.12	64.75	0.07	78.75	0.05	92.75	0.03
51.00	0.11	65.00	0.07	79.00	0.05	93.00	0.03
51.25	0.11	65.25	0.07	79.25	0.05	93.25	0.03
51.50	0.11	65.50	0.07	79.50	0.05	93.50	0.03
51.75	0.11	65.75	0.07	79.75	0.05	93.75	0.03
52.00	0.11	66.00	0.07	80.00	0.05	94.00	0.03
52.25	0.11	66.25	0.07	80.25	0.05	94.25	0.03
52.50	0.11	66.50	0.07	80.50	0.05	94.50	0.03
52.75	0.11	66.75	0.07	80.75	0.05	94.75	0.03
53.00	0.11	67.00	0.07	81.00	0.05	95.00	0.03
53.25	0.11	67.25	0.07	81.25	0.05	95.25	0.03
53.50	0.10	67.50	0.07	81.50	0.04	95.50	0.03
53.75	0.10	67.75	0.07	81.75	0.04	95.75	0.03
54.00	0.10	68.00	0.06	82.00	0.04	96.00	0.03

Table 9 – 90%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.77 9.2 Inches

BioInitiative ft. 57.50 690.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	5304.11	10.25	3.16	20.25	0.81	30.25	0.36
0.50	1326.03	10.50	3.01	20.50	0.79	30.50	0.36
0.75	589.35	10.75	2.87	20.75	0.77	30.75	0.35
1.00	331.51	11.00	2.74	21.00	0.75	31.00	0.34
1.25	212.16	11.25	2.62	21.25	0.73	31.25	0.34
1.50	147.34	11.50	2.51	21.50	0.72	31.50	0.33
1.75	108.25	11.75	2.40	21.75	0.70	31.75	0.33
2.00	82.88	12.00	2.30	22.00	0.68	32.00	0.32
2.25	65.48	12.25	2.21	22.25	0.67	32.25	0.32
2.50	53.04	12.50	2.12	22.50	0.65	32.50	0.31
2.75	43.84	12.75	2.04	22.75	0.64	32.75	0.31
3.00	36.83	13.00	1.96	23.00	0.63	33.00	0.30
3.25	31.39	13.25	1.89	23.25	0.61	33.25	0.30
3.50	27.06	13.50	1.82	23.50	0.60	33.50	0.30
3.75	23.57	13.75	1.75	23.75	0.59	33.75	0.29
4.00	20.72	14.00	1.69	24.00	0.58	34.00	0.29
4.25	18.35	14.25	1.63	24.25	0.56	34.25	0.28
4.50	16.37	14.50	1.58	24.50	0.55	34.50	0.28
4.75	14.69	14.75	1.52	24.75	0.54	34.75	0.27
5.00	13.26	15.00	1.47	25.00	0.53	35.00	0.27
5.25	12.03	15.25	1.43	25.25	0.52	35.25	0.27
5.50	10.96	15.50	1.38	25.50	0.51	35.50	0.26
5.75	10.03	15.75	1.34	25.75	0.50	35.75	0.26
6.00	9.21	16.00	1.29	26.00	0.49	36.00	0.26
6.25	8.49	16.25	1.26	26.25	0.48	36.25	0.25
6.50	7.85	16.50	1.22	26.50	0.47	36.50	0.25
6.75	7.28	16.75	1.18	26.75	0.46	36.75	0.25
7.00	6.77	17.00	1.15	27.00	0.45	37.00	0.24
7.25	6.31	17.25	1.11	27.25	0.45	37.25	0.24
7.50	5.89	17.50	1.08	27.50	0.44	37.50	0.24
7.75	5.52	17.75	1.05	27.75	0.43	37.75	0.23
8.00	5.18	18.00	1.02	28.00	0.42	38.00	0.23
8.25	4.87	18.25	1.00	28.25	0.42	38.25	0.23
8.50	4.59	18.50	0.97	28.50	0.41	38.50	0.22
8.75	4.33	18.75	0.94	28.75	0.40	38.75	0.22
9.00	4.09	19.00	0.92	29.00	0.39	39.00	0.22
9.25	3.87	19.25	0.89	29.25	0.39	39.25	0.22
9.50	3.67	19.50	0.87	29.50	0.38	39.50	0.21
9.75	3.49	19.75	0.85	29.75	0.37	39.75	0.21
10.00	3.32	20.00	0.83	30.00	0.37	40.00	0.21

Notes:

- Formula OET Bulletin 65 equation (3) modified to include the effects of time averaged output and % reflections

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - pi() = 3.1459
 - R = Distance to device
 - TA = Time average
 - %Ref = Percent reflections
- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
- 100 percent reflections is equivalent to OET Bulletin 65 equation (6)
- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- Antenna Gain 2.2dBi at 914.74 MHz per ACS Certification FCC ID: SK9AMI-4 RFLAN & RFLAN-E ERP = 0.270 W

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 60% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 0.77

9.23 Inches

BioInitiative ft. 57.50

690.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.20	54.25	0.11	68.25	0.07	82.25	0.05
40.50	0.20	54.50	0.11	68.50	0.07	82.50	0.05
40.75	0.20	54.75	0.11	68.75	0.07	82.75	0.05
41.00	0.20	55.00	0.11	69.00	0.07	83.00	0.05
41.25	0.19	55.25	0.11	69.25	0.07	83.25	0.05
41.50	0.19	55.50	0.11	69.50	0.07	83.50	0.05
41.75	0.19	55.75	0.11	69.75	0.07	83.75	0.05
42.00	0.19	56.00	0.11	70.00	0.07	84.00	0.05
42.25	0.19	56.25	0.10	70.25	0.07	84.25	0.05
42.50	0.18	56.50	0.10	70.50	0.07	84.50	0.05
42.75	0.18	56.75	0.10	70.75	0.07	84.75	0.05
43.00	0.18	57.00	0.10	71.00	0.07	85.00	0.05
43.25	0.18	57.25	0.10	71.25	0.07	85.25	0.05
43.50	0.18	57.50	0.10	71.50	0.06	85.50	0.05
43.75	0.17	57.75	0.10	71.75	0.06	85.75	0.05
44.00	0.17	58.00	0.10	72.00	0.06	86.00	0.04
44.25	0.17	58.25	0.10	72.25	0.06	86.25	0.04
44.50	0.17	58.50	0.10	72.50	0.06	86.50	0.04
44.75	0.17	58.75	0.10	72.75	0.06	86.75	0.04
45.00	0.16	59.00	0.10	73.00	0.06	87.00	0.04
45.25	0.16	59.25	0.09	73.25	0.06	87.25	0.04
45.50	0.16	59.50	0.09	73.50	0.06	87.50	0.04
45.75	0.16	59.75	0.09	73.75	0.06	87.75	0.04
46.00	0.16	60.00	0.09	74.00	0.06	88.00	0.04
46.25	0.15	60.25	0.09	74.25	0.06	88.25	0.04
46.50	0.15	60.50	0.09	74.50	0.06	88.50	0.04
46.75	0.15	60.75	0.09	74.75	0.06	88.75	0.04
47.00	0.15	61.00	0.09	75.00	0.06	89.00	0.04
47.25	0.15	61.25	0.09	75.25	0.06	89.25	0.04
47.50	0.15	61.50	0.09	75.50	0.06	89.50	0.04
47.75	0.15	61.75	0.09	75.75	0.06	89.75	0.04
48.00	0.14	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.14	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.14	62.50	0.08	76.50	0.06	90.50	0.04
48.75	0.14	62.75	0.08	76.75	0.06	90.75	0.04
49.00	0.14	63.00	0.08	77.00	0.06	91.00	0.04
49.25	0.14	63.25	0.08	77.25	0.06	91.25	0.04
49.50	0.14	63.50	0.08	77.50	0.06	91.50	0.04
49.75	0.13	63.75	0.08	77.75	0.05	91.75	0.04
50.00	0.13	64.00	0.08	78.00	0.05	92.00	0.04
50.25	0.13	64.25	0.08	78.25	0.05	92.25	0.04
50.50	0.13	64.50	0.08	78.50	0.05	92.50	0.04
50.75	0.13	64.75	0.08	78.75	0.05	92.75	0.04
51.00	0.13	65.00	0.08	79.00	0.05	93.00	0.04
51.25	0.13	65.25	0.08	79.25	0.05	93.25	0.04
51.50	0.12	65.50	0.08	79.50	0.05	93.50	0.04
51.75	0.12	65.75	0.08	79.75	0.05	93.75	0.04
52.00	0.12	66.00	0.08	80.00	0.05	94.00	0.04
52.25	0.12	66.25	0.08	80.25	0.05	94.25	0.04
52.50	0.12	66.50	0.07	80.50	0.05	94.50	0.04
52.75	0.12	66.75	0.07	80.75	0.05	94.75	0.04
53.00	0.12	67.00	0.07	81.00	0.05	95.00	0.04
53.25	0.12	67.25	0.07	81.25	0.05	95.25	0.04
53.50	0.12	67.50	0.07	81.50	0.05	95.50	0.04
53.75	0.11	67.75	0.07	81.75	0.05	95.75	0.04
54.00	0.11	68.00	0.07	82.00	0.05	96.00	0.04