

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 1%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.10 1.2 Inches

BioInitiative ft. 7.20 86.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	82.88	10.25	0.05	20.25	0.01	30.25	0.01
0.50	20.72	10.50	0.05	20.50	0.01	30.50	0.01
0.75	9.21	10.75	0.04	20.75	0.01	30.75	0.01
1.00	5.18	11.00	0.04	21.00	0.01	31.00	0.01
1.25	3.32	11.25	0.04	21.25	0.01	31.25	0.01
1.50	2.30	11.50	0.04	21.50	0.01	31.50	0.01
1.75	1.69	11.75	0.04	21.75	0.01	31.75	0.01
2.00	1.29	12.00	0.04	22.00	0.01	32.00	0.01
2.25	1.02	12.25	0.03	22.25	0.01	32.25	0.00
2.50	0.83	12.50	0.03	22.50	0.01	32.50	0.00
2.75	0.68	12.75	0.03	22.75	0.01	32.75	0.00
3.00	0.58	13.00	0.03	23.00	0.01	33.00	0.00
3.25	0.49	13.25	0.03	23.25	0.01	33.25	0.00
3.50	0.42	13.50	0.03	23.50	0.01	33.50	0.00
3.75	0.37	13.75	0.03	23.75	0.01	33.75	0.00
4.00	0.32	14.00	0.03	24.00	0.01	34.00	0.00
4.25	0.29	14.25	0.03	24.25	0.01	34.25	0.00
4.50	0.26	14.50	0.02	24.50	0.01	34.50	0.00
4.75	0.23	14.75	0.02	24.75	0.01	34.75	0.00
5.00	0.21	15.00	0.02	25.00	0.01	35.00	0.00
5.25	0.19	15.25	0.02	25.25	0.01	35.25	0.00
5.50	0.17	15.50	0.02	25.50	0.01	35.50	0.00
5.75	0.16	15.75	0.02	25.75	0.01	35.75	0.00
6.00	0.14	16.00	0.02	26.00	0.01	36.00	0.00
6.25	0.13	16.25	0.02	26.25	0.01	36.25	0.00
6.50	0.12	16.50	0.02	26.50	0.01	36.50	0.00
6.75	0.11	16.75	0.02	26.75	0.01	36.75	0.00
7.00	0.11	17.00	0.02	27.00	0.01	37.00	0.00
7.25	0.10	17.25	0.02	27.25	0.01	37.25	0.00
7.50	0.09	17.50	0.02	27.50	0.01	37.50	0.00
7.75	0.09	17.75	0.02	27.75	0.01	37.75	0.00
8.00	0.08	18.00	0.02	28.00	0.01	38.00	0.00
8.25	0.08	18.25	0.02	28.25	0.01	38.25	0.00
8.50	0.07	18.50	0.02	28.50	0.01	38.50	0.00
8.75	0.07	18.75	0.01	28.75	0.01	38.75	0.00
9.00	0.06	19.00	0.01	29.00	0.01	39.00	0.00
9.25	0.06	19.25	0.01	29.25	0.01	39.25	0.00
9.50	0.06	19.50	0.01	29.50	0.01	39.50	0.00
9.75	0.05	19.75	0.01	29.75	0.01	39.75	0.00
10.00	0.05	20.00	0.01	30.00	0.01	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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 1%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.10

1.15 Inches

BioInitiative ft. 7.20

86.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.00	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 10 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 10%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.30 3.6 Inches

BioInitiative ft. 22.80 273.6 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	828.77	10.25	0.49	20.25	0.13	30.25	0.06
0.50	207.19	10.50	0.47	20.50	0.12	30.50	0.06
0.75	92.09	10.75	0.45	20.75	0.12	30.75	0.05
1.00	51.80	11.00	0.43	21.00	0.12	31.00	0.05
1.25	33.15	11.25	0.41	21.25	0.11	31.25	0.05
1.50	23.02	11.50	0.39	21.50	0.11	31.50	0.05
1.75	16.91	11.75	0.38	21.75	0.11	31.75	0.05
2.00	12.95	12.00	0.36	22.00	0.11	32.00	0.05
2.25	10.23	12.25	0.35	22.25	0.10	32.25	0.05
2.50	8.29	12.50	0.33	22.50	0.10	32.50	0.05
2.75	6.85	12.75	0.32	22.75	0.10	32.75	0.05
3.00	5.76	13.00	0.31	23.00	0.10	33.00	0.05
3.25	4.90	13.25	0.30	23.25	0.10	33.25	0.05
3.50	4.23	13.50	0.28	23.50	0.09	33.50	0.05
3.75	3.68	13.75	0.27	23.75	0.09	33.75	0.05
4.00	3.24	14.00	0.26	24.00	0.09	34.00	0.04
4.25	2.87	14.25	0.26	24.25	0.09	34.25	0.04
4.50	2.56	14.50	0.25	24.50	0.09	34.50	0.04
4.75	2.30	14.75	0.24	24.75	0.08	34.75	0.04
5.00	2.07	15.00	0.23	25.00	0.08	35.00	0.04
5.25	1.88	15.25	0.22	25.25	0.08	35.25	0.04
5.50	1.71	15.50	0.22	25.50	0.08	35.50	0.04
5.75	1.57	15.75	0.21	25.75	0.08	35.75	0.04
6.00	1.44	16.00	0.20	26.00	0.08	36.00	0.04
6.25	1.33	16.25	0.20	26.25	0.08	36.25	0.04
6.50	1.23	16.50	0.19	26.50	0.07	36.50	0.04
6.75	1.14	16.75	0.18	26.75	0.07	36.75	0.04
7.00	1.06	17.00	0.18	27.00	0.07	37.00	0.04
7.25	0.99	17.25	0.17	27.25	0.07	37.25	0.04
7.50	0.92	17.50	0.17	27.50	0.07	37.50	0.04
7.75	0.86	17.75	0.16	27.75	0.07	37.75	0.04
8.00	0.81	18.00	0.16	28.00	0.07	38.00	0.04
8.25	0.76	18.25	0.16	28.25	0.06	38.25	0.04
8.50	0.72	18.50	0.15	28.50	0.06	38.50	0.03
8.75	0.68	18.75	0.15	28.75	0.06	38.75	0.03
9.00	0.64	19.00	0.14	29.00	0.06	39.00	0.03
9.25	0.61	19.25	0.14	29.25	0.06	39.25	0.03
9.50	0.57	19.50	0.14	29.50	0.06	39.50	0.03
9.75	0.54	19.75	0.13	29.75	0.06	39.75	0.03
10.00	0.52	20.00	0.13	30.00	0.06	40.00	0.03

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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- 60 percent reflections is equivalent to OET Bulletin 65 equation (10)
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- 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)
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SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 10%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.30

3.65 Inches

BioInitiative ft. 22.80

273.60 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.03	54.25	0.02	68.25	0.01	82.25	0.01
40.50	0.03	54.50	0.02	68.50	0.01	82.50	0.01
40.75	0.03	54.75	0.02	68.75	0.01	82.75	0.01
41.00	0.03	55.00	0.02	69.00	0.01	83.00	0.01
41.25	0.03	55.25	0.02	69.25	0.01	83.25	0.01
41.50	0.03	55.50	0.02	69.50	0.01	83.50	0.01
41.75	0.03	55.75	0.02	69.75	0.01	83.75	0.01
42.00	0.03	56.00	0.02	70.00	0.01	84.00	0.01
42.25	0.03	56.25	0.02	70.25	0.01	84.25	0.01
42.50	0.03	56.50	0.02	70.50	0.01	84.50	0.01
42.75	0.03	56.75	0.02	70.75	0.01	84.75	0.01
43.00	0.03	57.00	0.02	71.00	0.01	85.00	0.01
43.25	0.03	57.25	0.02	71.25	0.01	85.25	0.01
43.50	0.03	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	0.01	73.00	0.01	87.00	0.01
45.25	0.03	59.25	0.01	73.25	0.01	87.25	0.01
45.50	0.03	59.50	0.01	73.50	0.01	87.50	0.01
45.75	0.02	59.75	0.01	73.75	0.01	87.75	0.01
46.00	0.02	60.00	0.01	74.00	0.01	88.00	0.01
46.25	0.02	60.25	0.01	74.25	0.01	88.25	0.01
46.50	0.02	60.50	0.01	74.50	0.01	88.50	0.01
46.75	0.02	60.75	0.01	74.75	0.01	88.75	0.01
47.00	0.02	61.00	0.01	75.00	0.01	89.00	0.01
47.25	0.02	61.25	0.01	75.25	0.01	89.25	0.01
47.50	0.02	61.50	0.01	75.50	0.01	89.50	0.01
47.75	0.02	61.75	0.01	75.75	0.01	89.75	0.01
48.00	0.02	62.00	0.01	76.00	0.01	90.00	0.01
48.25	0.02	62.25	0.01	76.25	0.01	90.25	0.01
48.50	0.02	62.50	0.01	76.50	0.01	90.50	0.01
48.75	0.02	62.75	0.01	76.75	0.01	90.75	0.01
49.00	0.02	63.00	0.01	77.00	0.01	91.00	0.01
49.25	0.02	63.25	0.01	77.25	0.01	91.25	0.01
49.50	0.02	63.50	0.01	77.50	0.01	91.50	0.01
49.75	0.02	63.75	0.01	77.75	0.01	91.75	0.01
50.00	0.02	64.00	0.01	78.00	0.01	92.00	0.01
50.25	0.02	64.25	0.01	78.25	0.01	92.25	0.01
50.50	0.02	64.50	0.01	78.50	0.01	92.50	0.01
50.75	0.02	64.75	0.01	78.75	0.01	92.75	0.01
51.00	0.02	65.00	0.01	79.00	0.01	93.00	0.01
51.25	0.02	65.25	0.01	79.25	0.01	93.25	0.01
51.50	0.02	65.50	0.01	79.50	0.01	93.50	0.01
51.75	0.02	65.75	0.01	79.75	0.01	93.75	0.01
52.00	0.02	66.00	0.01	80.00	0.01	94.00	0.01
52.25	0.02	66.25	0.01	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 10 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.43 5.2 Inches

BioInitiative ft. 32.20 386.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1657.53	10.25	0.99	20.25	0.25	30.25	0.11
0.50	414.38	10.50	0.94	20.50	0.25	30.50	0.11
0.75	184.17	10.75	0.90	20.75	0.24	30.75	0.11
1.00	103.60	11.00	0.86	21.00	0.23	31.00	0.11
1.25	66.30	11.25	0.82	21.25	0.23	31.25	0.11
1.50	46.04	11.50	0.78	21.50	0.22	31.50	0.10
1.75	33.83	11.75	0.75	21.75	0.22	31.75	0.10
2.00	25.90	12.00	0.72	22.00	0.21	32.00	0.10
2.25	20.46	12.25	0.69	22.25	0.21	32.25	0.10
2.50	16.58	12.50	0.66	22.50	0.20	32.50	0.10
2.75	13.70	12.75	0.64	22.75	0.20	32.75	0.10
3.00	11.51	13.00	0.61	23.00	0.20	33.00	0.10
3.25	9.81	13.25	0.59	23.25	0.19	33.25	0.09
3.50	8.46	13.50	0.57	23.50	0.19	33.50	0.09
3.75	7.37	13.75	0.55	23.75	0.18	33.75	0.09
4.00	6.47	14.00	0.53	24.00	0.18	34.00	0.09
4.25	5.74	14.25	0.51	24.25	0.18	34.25	0.09
4.50	5.12	14.50	0.49	24.50	0.17	34.50	0.09
4.75	4.59	14.75	0.48	24.75	0.17	34.75	0.09
5.00	4.14	15.00	0.46	25.00	0.17	35.00	0.08
5.25	3.76	15.25	0.45	25.25	0.16	35.25	0.08
5.50	3.42	15.50	0.43	25.50	0.16	35.50	0.08
5.75	3.13	15.75	0.42	25.75	0.16	35.75	0.08
6.00	2.88	16.00	0.40	26.00	0.15	36.00	0.08
6.25	2.65	16.25	0.39	26.25	0.15	36.25	0.08
6.50	2.45	16.50	0.38	26.50	0.15	36.50	0.08
6.75	2.27	16.75	0.37	26.75	0.14	36.75	0.08
7.00	2.11	17.00	0.36	27.00	0.14	37.00	0.08
7.25	1.97	17.25	0.35	27.25	0.14	37.25	0.07
7.50	1.84	17.50	0.34	27.50	0.14	37.50	0.07
7.75	1.72	17.75	0.33	27.75	0.13	37.75	0.07
8.00	1.62	18.00	0.32	28.00	0.13	38.00	0.07
8.25	1.52	18.25	0.31	28.25	0.13	38.25	0.07
8.50	1.43	18.50	0.30	28.50	0.13	38.50	0.07
8.75	1.35	18.75	0.29	28.75	0.13	38.75	0.07
9.00	1.28	19.00	0.29	29.00	0.12	39.00	0.07
9.25	1.21	19.25	0.28	29.25	0.12	39.25	0.07
9.50	1.15	19.50	0.27	29.50	0.12	39.50	0.07
9.75	1.09	19.75	0.27	29.75	0.12	39.75	0.07
10.00	1.04	20.00	0.26	30.00	0.12	40.00	0.06

Notes:

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

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - 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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.43

5.16 Inches

BioInitiative ft. 32.20

386.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.06	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.06	54.50	0.03	68.50	0.02	82.50	0.02
40.75	0.06	54.75	0.03	68.75	0.02	82.75	0.02
41.00	0.06	55.00	0.03	69.00	0.02	83.00	0.02
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	0.06	56.75	0.03	70.75	0.02	84.75	0.01
43.00	0.06	57.00	0.03	71.00	0.02	85.00	0.01
43.25	0.06	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	0.05	61.25	0.03	75.25	0.02	89.25	0.01
47.50	0.05	61.50	0.03	75.50	0.02	89.50	0.01
47.75	0.05	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	0.03	77.25	0.02	91.25	0.01
49.50	0.04	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.04	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.04	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.04	64.25	0.03	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	0.04	67.50	0.02	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.02	81.75	0.02	95.75	0.01
54.00	0.04	68.00	0.02	82.00	0.02	96.00	0.01

Table 10 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.53 6.3 Inches

BioInitiative ft. 39.50 474.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	2486.30	10.25	1.48	20.25	0.38	30.25	0.17
0.50	621.58	10.50	1.41	20.50	0.37	30.50	0.17
0.75	276.26	10.75	1.34	20.75	0.36	30.75	0.16
1.00	155.39	11.00	1.28	21.00	0.35	31.00	0.16
1.25	99.45	11.25	1.23	21.25	0.34	31.25	0.16
1.50	69.06	11.50	1.18	21.50	0.34	31.50	0.16
1.75	50.74	11.75	1.13	21.75	0.33	31.75	0.15
2.00	38.85	12.00	1.08	22.00	0.32	32.00	0.15
2.25	30.70	12.25	1.04	22.25	0.31	32.25	0.15
2.50	24.86	12.50	0.99	22.50	0.31	32.50	0.15
2.75	20.55	12.75	0.96	22.75	0.30	32.75	0.14
3.00	17.27	13.00	0.92	23.00	0.29	33.00	0.14
3.25	14.71	13.25	0.89	23.25	0.29	33.25	0.14
3.50	12.69	13.50	0.85	23.50	0.28	33.50	0.14
3.75	11.05	13.75	0.82	23.75	0.28	33.75	0.14
4.00	9.71	14.00	0.79	24.00	0.27	34.00	0.13
4.25	8.60	14.25	0.77	24.25	0.26	34.25	0.13
4.50	7.67	14.50	0.74	24.50	0.26	34.50	0.13
4.75	6.89	14.75	0.71	24.75	0.25	34.75	0.13
5.00	6.22	15.00	0.69	25.00	0.25	35.00	0.13
5.25	5.64	15.25	0.67	25.25	0.24	35.25	0.13
5.50	5.14	15.50	0.65	25.50	0.24	35.50	0.12
5.75	4.70	15.75	0.63	25.75	0.23	35.75	0.12
6.00	4.32	16.00	0.61	26.00	0.23	36.00	0.12
6.25	3.98	16.25	0.59	26.25	0.23	36.25	0.12
6.50	3.68	16.50	0.57	26.50	0.22	36.50	0.12
6.75	3.41	16.75	0.55	26.75	0.22	36.75	0.12
7.00	3.17	17.00	0.54	27.00	0.21	37.00	0.11
7.25	2.96	17.25	0.52	27.25	0.21	37.25	0.11
7.50	2.76	17.50	0.51	27.50	0.21	37.50	0.11
7.75	2.59	17.75	0.49	27.75	0.20	37.75	0.11
8.00	2.43	18.00	0.48	28.00	0.20	38.00	0.11
8.25	2.28	18.25	0.47	28.25	0.19	38.25	0.11
8.50	2.15	18.50	0.45	28.50	0.19	38.50	0.10
8.75	2.03	18.75	0.44	28.75	0.19	38.75	0.10
9.00	1.92	19.00	0.43	29.00	0.18	39.00	0.10
9.25	1.82	19.25	0.42	29.25	0.18	39.25	0.10
9.50	1.72	19.50	0.41	29.50	0.18	39.50	0.10
9.75	1.63	19.75	0.40	29.75	0.18	39.75	0.10
10.00	1.55	20.00	0.39	30.00	0.17	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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.53

6.32 Inches

BioInitiative ft. 39.50

474.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.10	54.25	0.05	68.25	0.03	82.25	0.02
40.50	0.09	54.50	0.05	68.50	0.03	82.50	0.02
40.75	0.09	54.75	0.05	68.75	0.03	82.75	0.02
41.00	0.09	55.00	0.05	69.00	0.03	83.00	0.02
41.25	0.09	55.25	0.05	69.25	0.03	83.25	0.02
41.50	0.09	55.50	0.05	69.50	0.03	83.50	0.02
41.75	0.09	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	0.08	57.00	0.05	71.00	0.03	85.00	0.02
43.25	0.08	57.25	0.05	71.25	0.03	85.25	0.02
43.50	0.08	57.50	0.05	71.50	0.03	85.50	0.02
43.75	0.08	57.75	0.05	71.75	0.03	85.75	0.02
44.00	0.08	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	0.04	73.00	0.03	87.00	0.02
45.25	0.08	59.25	0.04	73.25	0.03	87.25	0.02
45.50	0.08	59.50	0.04	73.50	0.03	87.50	0.02
45.75	0.07	59.75	0.04	73.75	0.03	87.75	0.02
46.00	0.07	60.00	0.04	74.00	0.03	88.00	0.02
46.25	0.07	60.25	0.04	74.25	0.03	88.25	0.02
46.50	0.07	60.50	0.04	74.50	0.03	88.50	0.02
46.75	0.07	60.75	0.04	74.75	0.03	88.75	0.02
47.00	0.07	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	0.06	63.00	0.04	77.00	0.03	91.00	0.02
49.25	0.06	63.25	0.04	77.25	0.03	91.25	0.02
49.50	0.06	63.50	0.04	77.50	0.03	91.50	0.02
49.75	0.06	63.75	0.04	77.75	0.03	91.75	0.02
50.00	0.06	64.00	0.04	78.00	0.03	92.00	0.02
50.25	0.06	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	0.02	93.00	0.02
51.25	0.06	65.25	0.04	79.25	0.02	93.25	0.02
51.50	0.06	65.50	0.04	79.50	0.02	93.50	0.02
51.75	0.06	65.75	0.04	79.75	0.02	93.75	0.02
52.00	0.06	66.00	0.04	80.00	0.02	94.00	0.02
52.25	0.06	66.25	0.04	80.25	0.02	94.25	0.02
52.50	0.06	66.50	0.04	80.50	0.02	94.50	0.02
52.75	0.06	66.75	0.03	80.75	0.02	94.75	0.02
53.00	0.06	67.00	0.03	81.00	0.02	95.00	0.02
53.25	0.05	67.25	0.03	81.25	0.02	95.25	0.02
53.50	0.05	67.50	0.03	81.50	0.02	95.50	0.02
53.75	0.05	67.75	0.03	81.75	0.02	95.75	0.02
54.00	0.05	68.00	0.03	82.00	0.02	96.00	0.02

Table 10 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.61 7.3 Inches

BioInitiative ft. 45.50 546.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	3315.07	10.25	1.97	20.25	0.51	30.25	0.23
0.50	828.77	10.50	1.88	20.50	0.49	30.50	0.22
0.75	368.34	10.75	1.79	20.75	0.48	30.75	0.22
1.00	207.19	11.00	1.71	21.00	0.47	31.00	0.22
1.25	132.60	11.25	1.64	21.25	0.46	31.25	0.21
1.50	92.09	11.50	1.57	21.50	0.45	31.50	0.21
1.75	67.65	11.75	1.50	21.75	0.44	31.75	0.21
2.00	51.80	12.00	1.44	22.00	0.43	32.00	0.20
2.25	40.93	12.25	1.38	22.25	0.42	32.25	0.20
2.50	33.15	12.50	1.33	22.50	0.41	32.50	0.20
2.75	27.40	12.75	1.27	22.75	0.40	32.75	0.19
3.00	23.02	13.00	1.23	23.00	0.39	33.00	0.19
3.25	19.62	13.25	1.18	23.25	0.38	33.25	0.19
3.50	16.91	13.50	1.14	23.50	0.38	33.50	0.18
3.75	14.73	13.75	1.10	23.75	0.37	33.75	0.18
4.00	12.95	14.00	1.06	24.00	0.36	34.00	0.18
4.25	11.47	14.25	1.02	24.25	0.35	34.25	0.18
4.50	10.23	14.50	0.99	24.50	0.35	34.50	0.17
4.75	9.18	14.75	0.95	24.75	0.34	34.75	0.17
5.00	8.29	15.00	0.92	25.00	0.33	35.00	0.17
5.25	7.52	15.25	0.89	25.25	0.32	35.25	0.17
5.50	6.85	15.50	0.86	25.50	0.32	35.50	0.16
5.75	6.27	15.75	0.84	25.75	0.31	35.75	0.16
6.00	5.76	16.00	0.81	26.00	0.31	36.00	0.16
6.25	5.30	16.25	0.78	26.25	0.30	36.25	0.16
6.50	4.90	16.50	0.76	26.50	0.30	36.50	0.16
6.75	4.55	16.75	0.74	26.75	0.29	36.75	0.15
7.00	4.23	17.00	0.72	27.00	0.28	37.00	0.15
7.25	3.94	17.25	0.70	27.25	0.28	37.25	0.15
7.50	3.68	17.50	0.68	27.50	0.27	37.50	0.15
7.75	3.45	17.75	0.66	27.75	0.27	37.75	0.15
8.00	3.24	18.00	0.64	28.00	0.26	38.00	0.14
8.25	3.04	18.25	0.62	28.25	0.26	38.25	0.14
8.50	2.87	18.50	0.61	28.50	0.26	38.50	0.14
8.75	2.71	18.75	0.59	28.75	0.25	38.75	0.14
9.00	2.56	19.00	0.57	29.00	0.25	39.00	0.14
9.25	2.42	19.25	0.56	29.25	0.24	39.25	0.13
9.50	2.30	19.50	0.54	29.50	0.24	39.50	0.13
9.75	2.18	19.75	0.53	29.75	0.23	39.75	0.13
10.00	2.07	20.00	0.52	30.00	0.23	40.00	0.13

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.61

7.29 Inches

BioInitiative ft. 45.50

546.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.13	54.25	0.07	68.25	0.04	82.25	0.03
40.50	0.13	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	0.07	69.50	0.04	83.50	0.03
41.75	0.12	55.75	0.07	69.75	0.04	83.75	0.03
42.00	0.12	56.00	0.07	70.00	0.04	84.00	0.03
42.25	0.12	56.25	0.07	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	0.11	57.75	0.06	71.75	0.04	85.75	0.03
44.00	0.11	58.00	0.06	72.00	0.04	86.00	0.03
44.25	0.11	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	0.10	60.00	0.06	74.00	0.04	88.00	0.03
46.25	0.10	60.25	0.06	74.25	0.04	88.25	0.03
46.50	0.10	60.50	0.06	74.50	0.04	88.50	0.03
46.75	0.09	60.75	0.06	74.75	0.04	88.75	0.03
47.00	0.09	61.00	0.06	75.00	0.04	89.00	0.03
47.25	0.09	61.25	0.06	75.25	0.04	89.25	0.03
47.50	0.09	61.50	0.05	75.50	0.04	89.50	0.03
47.75	0.09	61.75	0.05	75.75	0.04	89.75	0.03
48.00	0.09	62.00	0.05	76.00	0.04	90.00	0.03
48.25	0.09	62.25	0.05	76.25	0.04	90.25	0.03
48.50	0.09	62.50	0.05	76.50	0.04	90.50	0.03
48.75	0.09	62.75	0.05	76.75	0.04	90.75	0.03
49.00	0.09	63.00	0.05	77.00	0.03	91.00	0.03
49.25	0.09	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	0.08	65.50	0.05	79.50	0.03	93.50	0.02
51.75	0.08	65.75	0.05	79.75	0.03	93.75	0.02
52.00	0.08	66.00	0.05	80.00	0.03	94.00	0.02
52.25	0.08	66.25	0.05	80.25	0.03	94.25	0.02
52.50	0.08	66.50	0.05	80.50	0.03	94.50	0.02
52.75	0.07	66.75	0.05	80.75	0.03	94.75	0.02
53.00	0.07	67.00	0.05	81.00	0.03	95.00	0.02
53.25	0.07	67.25	0.05	81.25	0.03	95.25	0.02
53.50	0.07	67.50	0.05	81.50	0.03	95.50	0.02
53.75	0.07	67.75	0.05	81.75	0.03	95.75	0.02
54.00	0.07	68.00	0.04	82.00	0.03	96.00	0.02

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.68 8.2 Inches

BioInitiative ft. 51.00 612.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4143.83	10.25	2.47	20.25	0.63	30.25	0.28
0.50	1035.96	10.50	2.35	20.50	0.62	30.50	0.28
0.75	460.43	10.75	2.24	20.75	0.60	30.75	0.27
1.00	258.99	11.00	2.14	21.00	0.59	31.00	0.27
1.25	165.75	11.25	2.05	21.25	0.57	31.25	0.27
1.50	115.11	11.50	1.96	21.50	0.56	31.50	0.26
1.75	84.57	11.75	1.88	21.75	0.55	31.75	0.26
2.00	64.75	12.00	1.80	22.00	0.54	32.00	0.25
2.25	51.16	12.25	1.73	22.25	0.52	32.25	0.25
2.50	41.44	12.50	1.66	22.50	0.51	32.50	0.25
2.75	34.25	12.75	1.59	22.75	0.50	32.75	0.24
3.00	28.78	13.00	1.53	23.00	0.49	33.00	0.24
3.25	24.52	13.25	1.48	23.25	0.48	33.25	0.23
3.50	21.14	13.50	1.42	23.50	0.47	33.50	0.23
3.75	18.42	13.75	1.37	23.75	0.46	33.75	0.23
4.00	16.19	14.00	1.32	24.00	0.45	34.00	0.22
4.25	14.34	14.25	1.28	24.25	0.44	34.25	0.22
4.50	12.79	14.50	1.23	24.50	0.43	34.50	0.22
4.75	11.48	14.75	1.19	24.75	0.42	34.75	0.21
5.00	10.36	15.00	1.15	25.00	0.41	35.00	0.21
5.25	9.40	15.25	1.11	25.25	0.41	35.25	0.21
5.50	8.56	15.50	1.08	25.50	0.40	35.50	0.21
5.75	7.83	15.75	1.04	25.75	0.39	35.75	0.20
6.00	7.19	16.00	1.01	26.00	0.38	36.00	0.20
6.25	6.63	16.25	0.98	26.25	0.38	36.25	0.20
6.50	6.13	16.50	0.95	26.50	0.37	36.50	0.19
6.75	5.68	16.75	0.92	26.75	0.36	36.75	0.19
7.00	5.29	17.00	0.90	27.00	0.36	37.00	0.19
7.25	4.93	17.25	0.87	27.25	0.35	37.25	0.19
7.50	4.60	17.50	0.85	27.50	0.34	37.50	0.18
7.75	4.31	17.75	0.82	27.75	0.34	37.75	0.18
8.00	4.05	18.00	0.80	28.00	0.33	38.00	0.18
8.25	3.81	18.25	0.78	28.25	0.32	38.25	0.18
8.50	3.58	18.50	0.76	28.50	0.32	38.50	0.17
8.75	3.38	18.75	0.74	28.75	0.31	38.75	0.17
9.00	3.20	19.00	0.72	29.00	0.31	39.00	0.17
9.25	3.03	19.25	0.70	29.25	0.30	39.25	0.17
9.50	2.87	19.50	0.68	29.50	0.30	39.50	0.17
9.75	2.72	19.75	0.66	29.75	0.29	39.75	0.16
10.00	2.59	20.00	0.65	30.00	0.29	40.00	0.16

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.68

8.16 Inches

BioInitiative ft. 51.00

612.00 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	0.05	82.75	0.04
41.00	0.15	55.00	0.09	69.00	0.05	83.00	0.04
41.25	0.15	55.25	0.08	69.25	0.05	83.25	0.04
41.50	0.15	55.50	0.08	69.50	0.05	83.50	0.04
41.75	0.15	55.75	0.08	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	0.14	56.50	0.08	70.50	0.05	84.50	0.04
42.75	0.14	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	0.13	58.00	0.08	72.00	0.05	86.00	0.04
44.25	0.13	58.25	0.08	72.25	0.05	86.25	0.03
44.50	0.13	58.50	0.08	72.50	0.05	86.50	0.03
44.75	0.13	58.75	0.08	72.75	0.05	86.75	0.03
45.00	0.13	59.00	0.07	73.00	0.05	87.00	0.03
45.25	0.13	59.25	0.07	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	0.12	59.75	0.07	73.75	0.05	87.75	0.03
46.00	0.12	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	0.11	61.50	0.07	75.50	0.05	89.50	0.03
47.75	0.11	61.75	0.07	75.75	0.05	89.75	0.03
48.00	0.11	62.00	0.07	76.00	0.04	90.00	0.03
48.25	0.11	62.25	0.07	76.25	0.04	90.25	0.03
48.50	0.11	62.50	0.07	76.50	0.04	90.50	0.03
48.75	0.11	62.75	0.07	76.75	0.04	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	0.06	77.25	0.04	91.25	0.03
49.50	0.11	63.50	0.06	77.50	0.04	91.50	0.03
49.75	0.10	63.75	0.06	77.75	0.04	91.75	0.03
50.00	0.10	64.00	0.06	78.00	0.04	92.00	0.03
50.25	0.10	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	0.09	66.25	0.06	80.25	0.04	94.25	0.03
52.50	0.09	66.50	0.06	80.50	0.04	94.50	0.03
52.75	0.09	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

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.74 8.9 Inches

BioInitiative ft. 55.70 668.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4972.60	10.25	2.96	20.25	0.76	30.25	0.34
0.50	1243.15	10.50	2.82	20.50	0.74	30.50	0.33
0.75	552.51	10.75	2.69	20.75	0.72	30.75	0.33
1.00	310.79	11.00	2.57	21.00	0.70	31.00	0.32
1.25	198.90	11.25	2.46	21.25	0.69	31.25	0.32
1.50	138.13	11.50	2.35	21.50	0.67	31.50	0.31
1.75	101.48	11.75	2.25	21.75	0.66	31.75	0.31
2.00	77.70	12.00	2.16	22.00	0.64	32.00	0.30
2.25	61.39	12.25	2.07	22.25	0.63	32.25	0.30
2.50	49.73	12.50	1.99	22.50	0.61	32.50	0.29
2.75	41.10	12.75	1.91	22.75	0.60	32.75	0.29
3.00	34.53	13.00	1.84	23.00	0.59	33.00	0.29
3.25	29.42	13.25	1.77	23.25	0.57	33.25	0.28
3.50	25.37	13.50	1.71	23.50	0.56	33.50	0.28
3.75	22.10	13.75	1.64	23.75	0.55	33.75	0.27
4.00	19.42	14.00	1.59	24.00	0.54	34.00	0.27
4.25	17.21	14.25	1.53	24.25	0.53	34.25	0.26
4.50	15.35	14.50	1.48	24.50	0.52	34.50	0.26
4.75	13.77	14.75	1.43	24.75	0.51	34.75	0.26
5.00	12.43	15.00	1.38	25.00	0.50	35.00	0.25
5.25	11.28	15.25	1.34	25.25	0.49	35.25	0.25
5.50	10.27	15.50	1.29	25.50	0.48	35.50	0.25
5.75	9.40	15.75	1.25	25.75	0.47	35.75	0.24
6.00	8.63	16.00	1.21	26.00	0.46	36.00	0.24
6.25	7.96	16.25	1.18	26.25	0.45	36.25	0.24
6.50	7.36	16.50	1.14	26.50	0.44	36.50	0.23
6.75	6.82	16.75	1.11	26.75	0.43	36.75	0.23
7.00	6.34	17.00	1.08	27.00	0.43	37.00	0.23
7.25	5.91	17.25	1.04	27.25	0.42	37.25	0.22
7.50	5.53	17.50	1.01	27.50	0.41	37.50	0.22
7.75	5.17	17.75	0.99	27.75	0.40	37.75	0.22
8.00	4.86	18.00	0.96	28.00	0.40	38.00	0.22
8.25	4.57	18.25	0.93	28.25	0.39	38.25	0.21
8.50	4.30	18.50	0.91	28.50	0.38	38.50	0.21
8.75	4.06	18.75	0.88	28.75	0.38	38.75	0.21
9.00	3.84	19.00	0.86	29.00	0.37	39.00	0.20
9.25	3.63	19.25	0.84	29.25	0.36	39.25	0.20
9.50	3.44	19.50	0.82	29.50	0.36	39.50	0.20
9.75	3.27	19.75	0.80	29.75	0.35	39.75	0.20
10.00	3.11	20.00	0.78	30.00	0.35	40.00	0.19

Notes:

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

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi i) R^2$$
 - 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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.74

8.93 Inches

BioInitiative ft. 55.70

668.40 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.19	54.25	0.11	68.25	0.07	82.25	0.05
40.50	0.19	54.50	0.10	68.50	0.07	82.50	0.05
40.75	0.19	54.75	0.10	68.75	0.07	82.75	0.05
41.00	0.18	55.00	0.10	69.00	0.07	83.00	0.05
41.25	0.18	55.25	0.10	69.25	0.06	83.25	0.04
41.50	0.18	55.50	0.10	69.50	0.06	83.50	0.04
41.75	0.18	55.75	0.10	69.75	0.06	83.75	0.04
42.00	0.18	56.00	0.10	70.00	0.06	84.00	0.04
42.25	0.17	56.25	0.10	70.25	0.06	84.25	0.04
42.50	0.17	56.50	0.10	70.50	0.06	84.50	0.04
42.75	0.17	56.75	0.10	70.75	0.06	84.75	0.04
43.00	0.17	57.00	0.10	71.00	0.06	85.00	0.04
43.25	0.17	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	0.16	58.00	0.09	72.00	0.06	86.00	0.04
44.25	0.16	58.25	0.09	72.25	0.06	86.25	0.04
44.50	0.16	58.50	0.09	72.50	0.06	86.50	0.04
44.75	0.16	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	0.09	73.25	0.06	87.25	0.04
45.50	0.15	59.50	0.09	73.50	0.06	87.50	0.04
45.75	0.15	59.75	0.09	73.75	0.06	87.75	0.04
46.00	0.15	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	0.14	60.50	0.08	74.50	0.06	88.50	0.04
46.75	0.14	60.75	0.08	74.75	0.06	88.75	0.04
47.00	0.14	61.00	0.08	75.00	0.06	89.00	0.04
47.25	0.14	61.25	0.08	75.25	0.05	89.25	0.04
47.50	0.14	61.50	0.08	75.50	0.05	89.50	0.04
47.75	0.14	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	0.13	63.00	0.08	77.00	0.05	91.00	0.04
49.25	0.13	63.25	0.08	77.25	0.05	91.25	0.04
49.50	0.13	63.50	0.08	77.50	0.05	91.50	0.04
49.75	0.13	63.75	0.08	77.75	0.05	91.75	0.04
50.00	0.12	64.00	0.08	78.00	0.05	92.00	0.04
50.25	0.12	64.25	0.08	78.25	0.05	92.25	0.04
50.50	0.12	64.50	0.07	78.50	0.05	92.50	0.04
50.75	0.12	64.75	0.07	78.75	0.05	92.75	0.04
51.00	0.12	65.00	0.07	79.00	0.05	93.00	0.04
51.25	0.12	65.25	0.07	79.25	0.05	93.25	0.04
51.50	0.12	65.50	0.07	79.50	0.05	93.50	0.04
51.75	0.12	65.75	0.07	79.75	0.05	93.75	0.04
52.00	0.11	66.00	0.07	80.00	0.05	94.00	0.04
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	0.11	67.50	0.07	81.50	0.05	95.50	0.03
53.75	0.11	67.75	0.07	81.75	0.05	95.75	0.03
54.00	0.11	68.00	0.07	82.00	0.05	96.00	0.03

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.80 9.6 Inches

BioInitiative ft. 60.30 723.6 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	5801.37	10.25	3.45	20.25	0.88	30.25	0.40
0.50	1450.34	10.50	3.29	20.50	0.86	30.50	0.39
0.75	644.60	10.75	3.14	20.75	0.84	30.75	0.38
1.00	362.59	11.00	3.00	21.00	0.82	31.00	0.38
1.25	232.05	11.25	2.86	21.25	0.80	31.25	0.37
1.50	161.15	11.50	2.74	21.50	0.78	31.50	0.37
1.75	118.40	11.75	2.63	21.75	0.77	31.75	0.36
2.00	90.65	12.00	2.52	22.00	0.75	32.00	0.35
2.25	71.62	12.25	2.42	22.25	0.73	32.25	0.35
2.50	58.01	12.50	2.32	22.50	0.72	32.50	0.34
2.75	47.95	12.75	2.23	22.75	0.70	32.75	0.34
3.00	40.29	13.00	2.15	23.00	0.69	33.00	0.33
3.25	34.33	13.25	2.07	23.25	0.67	33.25	0.33
3.50	29.60	13.50	1.99	23.50	0.66	33.50	0.32
3.75	25.78	13.75	1.92	23.75	0.64	33.75	0.32
4.00	22.66	14.00	1.85	24.00	0.63	34.00	0.31
4.25	20.07	14.25	1.79	24.25	0.62	34.25	0.31
4.50	17.91	14.50	1.72	24.50	0.60	34.50	0.30
4.75	16.07	14.75	1.67	24.75	0.59	34.75	0.30
5.00	14.50	15.00	1.61	25.00	0.58	35.00	0.30
5.25	13.16	15.25	1.56	25.25	0.57	35.25	0.29
5.50	11.99	15.50	1.51	25.50	0.56	35.50	0.29
5.75	10.97	15.75	1.46	25.75	0.55	35.75	0.28
6.00	10.07	16.00	1.42	26.00	0.54	36.00	0.28
6.25	9.28	16.25	1.37	26.25	0.53	36.25	0.28
6.50	8.58	16.50	1.33	26.50	0.52	36.50	0.27
6.75	7.96	16.75	1.29	26.75	0.51	36.75	0.27
7.00	7.40	17.00	1.25	27.00	0.50	37.00	0.26
7.25	6.90	17.25	1.22	27.25	0.49	37.25	0.26
7.50	6.45	17.50	1.18	27.50	0.48	37.50	0.26
7.75	6.04	17.75	1.15	27.75	0.47	37.75	0.25
8.00	5.67	18.00	1.12	28.00	0.46	38.00	0.25
8.25	5.33	18.25	1.09	28.25	0.45	38.25	0.25
8.50	5.02	18.50	1.06	28.50	0.45	38.50	0.24
8.75	4.74	18.75	1.03	28.75	0.44	38.75	0.24
9.00	4.48	19.00	1.00	29.00	0.43	39.00	0.24
9.25	4.24	19.25	0.98	29.25	0.42	39.25	0.24
9.50	4.02	19.50	0.95	29.50	0.42	39.50	0.23
9.75	3.81	19.75	0.93	29.75	0.41	39.75	0.23
10.00	3.63	20.00	0.91	30.00	0.40	40.00	0.23

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.80

9.65 Inches

BioInitiative ft. 60.30

723.60 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.22	54.25	0.12	68.25	0.08	82.25	0.05
40.50	0.22	54.50	0.12	68.50	0.08	82.50	0.05
40.75	0.22	54.75	0.12	68.75	0.08	82.75	0.05
41.00	0.22	55.00	0.12	69.00	0.08	83.00	0.05
41.25	0.21	55.25	0.12	69.25	0.08	83.25	0.05
41.50	0.21	55.50	0.12	69.50	0.08	83.50	0.05
41.75	0.21	55.75	0.12	69.75	0.07	83.75	0.05
42.00	0.21	56.00	0.12	70.00	0.07	84.00	0.05
42.25	0.20	56.25	0.11	70.25	0.07	84.25	0.05
42.50	0.20	56.50	0.11	70.50	0.07	84.50	0.05
42.75	0.20	56.75	0.11	70.75	0.07	84.75	0.05
43.00	0.20	57.00	0.11	71.00	0.07	85.00	0.05
43.25	0.19	57.25	0.11	71.25	0.07	85.25	0.05
43.50	0.19	57.50	0.11	71.50	0.07	85.50	0.05
43.75	0.19	57.75	0.11	71.75	0.07	85.75	0.05
44.00	0.19	58.00	0.11	72.00	0.07	86.00	0.05
44.25	0.19	58.25	0.11	72.25	0.07	86.25	0.05
44.50	0.18	58.50	0.11	72.50	0.07	86.50	0.05
44.75	0.18	58.75	0.11	72.75	0.07	86.75	0.05
45.00	0.18	59.00	0.10	73.00	0.07	87.00	0.05
45.25	0.18	59.25	0.10	73.25	0.07	87.25	0.05
45.50	0.18	59.50	0.10	73.50	0.07	87.50	0.05
45.75	0.17	59.75	0.10	73.75	0.07	87.75	0.05
46.00	0.17	60.00	0.10	74.00	0.07	88.00	0.05
46.25	0.17	60.25	0.10	74.25	0.07	88.25	0.05
46.50	0.17	60.50	0.10	74.50	0.07	88.50	0.05
46.75	0.17	60.75	0.10	74.75	0.06	88.75	0.05
47.00	0.16	61.00	0.10	75.00	0.06	89.00	0.05
47.25	0.16	61.25	0.10	75.25	0.06	89.25	0.05
47.50	0.16	61.50	0.10	75.50	0.06	89.50	0.05
47.75	0.16	61.75	0.10	75.75	0.06	89.75	0.05
48.00	0.16	62.00	0.09	76.00	0.06	90.00	0.04
48.25	0.16	62.25	0.09	76.25	0.06	90.25	0.04
48.50	0.15	62.50	0.09	76.50	0.06	90.50	0.04
48.75	0.15	62.75	0.09	76.75	0.06	90.75	0.04
49.00	0.15	63.00	0.09	77.00	0.06	91.00	0.04
49.25	0.15	63.25	0.09	77.25	0.06	91.25	0.04
49.50	0.15	63.50	0.09	77.50	0.06	91.50	0.04
49.75	0.15	63.75	0.09	77.75	0.06	91.75	0.04
50.00	0.15	64.00	0.09	78.00	0.06	92.00	0.04
50.25	0.14	64.25	0.09	78.25	0.06	92.25	0.04
50.50	0.14	64.50	0.09	78.50	0.06	92.50	0.04
50.75	0.14	64.75	0.09	78.75	0.06	92.75	0.04
51.00	0.14	65.00	0.09	79.00	0.06	93.00	0.04
51.25	0.14	65.25	0.09	79.25	0.06	93.25	0.04
51.50	0.14	65.50	0.08	79.50	0.06	93.50	0.04
51.75	0.14	65.75	0.08	79.75	0.06	93.75	0.04
52.00	0.13	66.00	0.08	80.00	0.06	94.00	0.04
52.25	0.13	66.25	0.08	80.25	0.06	94.25	0.04
52.50	0.13	66.50	0.08	80.50	0.06	94.50	0.04
52.75	0.13	66.75	0.08	80.75	0.06	94.75	0.04
53.00	0.13	67.00	0.08	81.00	0.06	95.00	0.04
53.25	0.13	67.25	0.08	81.25	0.05	95.25	0.04
53.50	0.13	67.50	0.08	81.50	0.05	95.50	0.04
53.75	0.13	67.75	0.08	81.75	0.05	95.75	0.04
54.00	0.12	68.00	0.08	82.00	0.05	96.00	0.04

Table 10 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.86 10.3 Inches

BioInitiative ft. 64.50 774.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	6630.13	10.25	3.94	20.25	1.01	30.25	0.45
0.50	1657.53	10.50	3.76	20.50	0.99	30.50	0.45
0.75	736.68	10.75	3.59	20.75	0.96	30.75	0.44
1.00	414.38	11.00	3.42	21.00	0.94	31.00	0.43
1.25	265.21	11.25	3.27	21.25	0.92	31.25	0.42
1.50	184.17	11.50	3.13	21.50	0.90	31.50	0.42
1.75	135.31	11.75	3.00	21.75	0.88	31.75	0.41
2.00	103.60	12.00	2.88	22.00	0.86	32.00	0.40
2.25	81.85	12.25	2.76	22.25	0.84	32.25	0.40
2.50	66.30	12.50	2.65	22.50	0.82	32.50	0.39
2.75	54.79	12.75	2.55	22.75	0.80	32.75	0.39
3.00	46.04	13.00	2.45	23.00	0.78	33.00	0.38
3.25	39.23	13.25	2.36	23.25	0.77	33.25	0.37
3.50	33.83	13.50	2.27	23.50	0.75	33.50	0.37
3.75	29.47	13.75	2.19	23.75	0.73	33.75	0.36
4.00	25.90	14.00	2.11	24.00	0.72	34.00	0.36
4.25	22.94	14.25	2.04	24.25	0.70	34.25	0.35
4.50	20.46	14.50	1.97	24.50	0.69	34.50	0.35
4.75	18.37	14.75	1.90	24.75	0.68	34.75	0.34
5.00	16.58	15.00	1.84	25.00	0.66	35.00	0.34
5.25	15.03	15.25	1.78	25.25	0.65	35.25	0.33
5.50	13.70	15.50	1.72	25.50	0.64	35.50	0.33
5.75	12.53	15.75	1.67	25.75	0.62	35.75	0.32
6.00	11.51	16.00	1.62	26.00	0.61	36.00	0.32
6.25	10.61	16.25	1.57	26.25	0.60	36.25	0.32
6.50	9.81	16.50	1.52	26.50	0.59	36.50	0.31
6.75	9.09	16.75	1.48	26.75	0.58	36.75	0.31
7.00	8.46	17.00	1.43	27.00	0.57	37.00	0.30
7.25	7.88	17.25	1.39	27.25	0.56	37.25	0.30
7.50	7.37	17.50	1.35	27.50	0.55	37.50	0.29
7.75	6.90	17.75	1.32	27.75	0.54	37.75	0.29
8.00	6.47	18.00	1.28	28.00	0.53	38.00	0.29
8.25	6.09	18.25	1.24	28.25	0.52	38.25	0.28
8.50	5.74	18.50	1.21	28.50	0.51	38.50	0.28
8.75	5.41	18.75	1.18	28.75	0.50	38.75	0.28
9.00	5.12	19.00	1.15	29.00	0.49	39.00	0.27
9.25	4.84	19.25	1.12	29.25	0.48	39.25	0.27
9.50	4.59	19.50	1.09	29.50	0.48	39.50	0.27
9.75	4.36	19.75	1.06	29.75	0.47	39.75	0.26
10.00	4.14	20.00	1.04	30.00	0.46	40.00	0.26

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.86

10.32 Inches

BioInitiative ft. 64.50

774.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.26	54.25	0.14	68.25	0.09	82.25	0.06
40.50	0.25	54.50	0.14	68.50	0.09	82.50	0.06
40.75	0.25	54.75	0.14	68.75	0.09	82.75	0.06
41.00	0.25	55.00	0.14	69.00	0.09	83.00	0.06
41.25	0.24	55.25	0.14	69.25	0.09	83.25	0.06
41.50	0.24	55.50	0.13	69.50	0.09	83.50	0.06
41.75	0.24	55.75	0.13	69.75	0.09	83.75	0.06
42.00	0.23	56.00	0.13	70.00	0.08	84.00	0.06
42.25	0.23	56.25	0.13	70.25	0.08	84.25	0.06
42.50	0.23	56.50	0.13	70.50	0.08	84.50	0.06
42.75	0.23	56.75	0.13	70.75	0.08	84.75	0.06
43.00	0.22	57.00	0.13	71.00	0.08	85.00	0.06
43.25	0.22	57.25	0.13	71.25	0.08	85.25	0.06
43.50	0.22	57.50	0.13	71.50	0.08	85.50	0.06
43.75	0.22	57.75	0.12	71.75	0.08	85.75	0.06
44.00	0.21	58.00	0.12	72.00	0.08	86.00	0.06
44.25	0.21	58.25	0.12	72.25	0.08	86.25	0.06
44.50	0.21	58.50	0.12	72.50	0.08	86.50	0.06
44.75	0.21	58.75	0.12	72.75	0.08	86.75	0.06
45.00	0.20	59.00	0.12	73.00	0.08	87.00	0.05
45.25	0.20	59.25	0.12	73.25	0.08	87.25	0.05
45.50	0.20	59.50	0.12	73.50	0.08	87.50	0.05
45.75	0.20	59.75	0.12	73.75	0.08	87.75	0.05
46.00	0.20	60.00	0.12	74.00	0.08	88.00	0.05
46.25	0.19	60.25	0.11	74.25	0.08	88.25	0.05
46.50	0.19	60.50	0.11	74.50	0.07	88.50	0.05
46.75	0.19	60.75	0.11	74.75	0.07	88.75	0.05
47.00	0.19	61.00	0.11	75.00	0.07	89.00	0.05
47.25	0.19	61.25	0.11	75.25	0.07	89.25	0.05
47.50	0.18	61.50	0.11	75.50	0.07	89.50	0.05
47.75	0.18	61.75	0.11	75.75	0.07	89.75	0.05
48.00	0.18	62.00	0.11	76.00	0.07	90.00	0.05
48.25	0.18	62.25	0.11	76.25	0.07	90.25	0.05
48.50	0.18	62.50	0.11	76.50	0.07	90.50	0.05
48.75	0.17	62.75	0.11	76.75	0.07	90.75	0.05
49.00	0.17	63.00	0.10	77.00	0.07	91.00	0.05
49.25	0.17	63.25	0.10	77.25	0.07	91.25	0.05
49.50	0.17	63.50	0.10	77.50	0.07	91.50	0.05
49.75	0.17	63.75	0.10	77.75	0.07	91.75	0.05
50.00	0.17	64.00	0.10	78.00	0.07	92.00	0.05
50.25	0.16	64.25	0.10	78.25	0.07	92.25	0.05
50.50	0.16	64.50	0.10	78.50	0.07	92.50	0.05
50.75	0.16	64.75	0.10	78.75	0.07	92.75	0.05
51.00	0.16	65.00	0.10	79.00	0.07	93.00	0.05
51.25	0.16	65.25	0.10	79.25	0.07	93.25	0.05
51.50	0.16	65.50	0.10	79.50	0.07	93.50	0.05
51.75	0.15	65.75	0.10	79.75	0.07	93.75	0.05
52.00	0.15	66.00	0.10	80.00	0.06	94.00	0.05
52.25	0.15	66.25	0.09	80.25	0.06	94.25	0.05
52.50	0.15	66.50	0.09	80.50	0.06	94.50	0.05
52.75	0.15	66.75	0.09	80.75	0.06	94.75	0.05
53.00	0.15	67.00	0.09	81.00	0.06	95.00	0.05
53.25	0.15	67.25	0.09	81.25	0.06	95.25	0.05
53.50	0.14	67.50	0.09	81.50	0.06	95.50	0.05
53.75	0.14	67.75	0.09	81.75	0.06	95.75	0.05
54.00	0.14	68.00	0.09	82.00	0.06	96.00	0.04

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.91 10.9 Inches

BioInitiative ft. 68.30 819.6 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	7458.90	10.25	4.44	20.25	1.14	30.25	0.51
0.50	1864.73	10.50	4.23	20.50	1.11	30.50	0.50
0.75	828.77	10.75	4.03	20.75	1.08	30.75	0.49
1.00	466.18	11.00	3.85	21.00	1.06	31.00	0.49
1.25	298.36	11.25	3.68	21.25	1.03	31.25	0.48
1.50	207.19	11.50	3.53	21.50	1.01	31.50	0.47
1.75	152.22	11.75	3.38	21.75	0.99	31.75	0.46
2.00	116.55	12.00	3.24	22.00	0.96	32.00	0.46
2.25	92.09	12.25	3.11	22.25	0.94	32.25	0.45
2.50	74.59	12.50	2.98	22.50	0.92	32.50	0.44
2.75	61.64	12.75	2.87	22.75	0.90	32.75	0.43
3.00	51.80	13.00	2.76	23.00	0.88	33.00	0.43
3.25	44.14	13.25	2.66	23.25	0.86	33.25	0.42
3.50	38.06	13.50	2.56	23.50	0.84	33.50	0.42
3.75	33.15	13.75	2.47	23.75	0.83	33.75	0.41
4.00	29.14	14.00	2.38	24.00	0.81	34.00	0.40
4.25	25.81	14.25	2.30	24.25	0.79	34.25	0.40
4.50	23.02	14.50	2.22	24.50	0.78	34.50	0.39
4.75	20.66	14.75	2.14	24.75	0.76	34.75	0.39
5.00	18.65	15.00	2.07	25.00	0.75	35.00	0.38
5.25	16.91	15.25	2.00	25.25	0.73	35.25	0.38
5.50	15.41	15.50	1.94	25.50	0.72	35.50	0.37
5.75	14.10	15.75	1.88	25.75	0.70	35.75	0.36
6.00	12.95	16.00	1.82	26.00	0.69	36.00	0.36
6.25	11.93	16.25	1.77	26.25	0.68	36.25	0.35
6.50	11.03	16.50	1.71	26.50	0.66	36.50	0.35
6.75	10.23	16.75	1.66	26.75	0.65	36.75	0.35
7.00	9.51	17.00	1.61	27.00	0.64	37.00	0.34
7.25	8.87	17.25	1.57	27.25	0.63	37.25	0.34
7.50	8.29	17.50	1.52	27.50	0.62	37.50	0.33
7.75	7.76	17.75	1.48	27.75	0.61	37.75	0.33
8.00	7.28	18.00	1.44	28.00	0.59	38.00	0.32
8.25	6.85	18.25	1.40	28.25	0.58	38.25	0.32
8.50	6.45	18.50	1.36	28.50	0.57	38.50	0.31
8.75	6.09	18.75	1.33	28.75	0.56	38.75	0.31
9.00	5.76	19.00	1.29	29.00	0.55	39.00	0.31
9.25	5.45	19.25	1.26	29.25	0.54	39.25	0.30
9.50	5.17	19.50	1.23	29.50	0.54	39.50	0.30
9.75	4.90	19.75	1.20	29.75	0.53	39.75	0.30
10.00	4.66	20.00	1.17	30.00	0.52	40.00	0.29

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.91

10.94 Inches

BioInitiative ft. 68.30

819.60 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.29	54.25	0.16	68.25	0.10	82.25	0.07
40.50	0.28	54.50	0.16	68.50	0.10	82.50	0.07
40.75	0.28	54.75	0.16	68.75	0.10	82.75	0.07
41.00	0.28	55.00	0.15	69.00	0.10	83.00	0.07
41.25	0.27	55.25	0.15	69.25	0.10	83.25	0.07
41.50	0.27	55.50	0.15	69.50	0.10	83.50	0.07
41.75	0.27	55.75	0.15	69.75	0.10	83.75	0.07
42.00	0.26	56.00	0.15	70.00	0.10	84.00	0.07
42.25	0.26	56.25	0.15	70.25	0.09	84.25	0.07
42.50	0.26	56.50	0.15	70.50	0.09	84.50	0.07
42.75	0.26	56.75	0.14	70.75	0.09	84.75	0.06
43.00	0.25	57.00	0.14	71.00	0.09	85.00	0.06
43.25	0.25	57.25	0.14	71.25	0.09	85.25	0.06
43.50	0.25	57.50	0.14	71.50	0.09	85.50	0.06
43.75	0.24	57.75	0.14	71.75	0.09	85.75	0.06
44.00	0.24	58.00	0.14	72.00	0.09	86.00	0.06
44.25	0.24	58.25	0.14	72.25	0.09	86.25	0.06
44.50	0.24	58.50	0.14	72.50	0.09	86.50	0.06
44.75	0.23	58.75	0.14	72.75	0.09	86.75	0.06
45.00	0.23	59.00	0.13	73.00	0.09	87.00	0.06
45.25	0.23	59.25	0.13	73.25	0.09	87.25	0.06
45.50	0.23	59.50	0.13	73.50	0.09	87.50	0.06
45.75	0.22	59.75	0.13	73.75	0.09	87.75	0.06
46.00	0.22	60.00	0.13	74.00	0.09	88.00	0.06
46.25	0.22	60.25	0.13	74.25	0.08	88.25	0.06
46.50	0.22	60.50	0.13	74.50	0.08	88.50	0.06
46.75	0.21	60.75	0.13	74.75	0.08	88.75	0.06
47.00	0.21	61.00	0.13	75.00	0.08	89.00	0.06
47.25	0.21	61.25	0.12	75.25	0.08	89.25	0.06
47.50	0.21	61.50	0.12	75.50	0.08	89.50	0.06
47.75	0.20	61.75	0.12	75.75	0.08	89.75	0.06
48.00	0.20	62.00	0.12	76.00	0.08	90.00	0.06
48.25	0.20	62.25	0.12	76.25	0.08	90.25	0.06
48.50	0.20	62.50	0.12	76.50	0.08	90.50	0.06
48.75	0.20	62.75	0.12	76.75	0.08	90.75	0.06
49.00	0.19	63.00	0.12	77.00	0.08	91.00	0.06
49.25	0.19	63.25	0.12	77.25	0.08	91.25	0.06
49.50	0.19	63.50	0.12	77.50	0.08	91.50	0.06
49.75	0.19	63.75	0.11	77.75	0.08	91.75	0.06
50.00	0.19	64.00	0.11	78.00	0.08	92.00	0.06
50.25	0.18	64.25	0.11	78.25	0.08	92.25	0.05
50.50	0.18	64.50	0.11	78.50	0.08	92.50	0.05
50.75	0.18	64.75	0.11	78.75	0.08	92.75	0.05
51.00	0.18	65.00	0.11	79.00	0.07	93.00	0.05
51.25	0.18	65.25	0.11	79.25	0.07	93.25	0.05
51.50	0.18	65.50	0.11	79.50	0.07	93.50	0.05
51.75	0.17	65.75	0.11	79.75	0.07	93.75	0.05
52.00	0.17	66.00	0.11	80.00	0.07	94.00	0.05
52.25	0.17	66.25	0.11	80.25	0.07	94.25	0.05
52.50	0.17	66.50	0.11	80.50	0.07	94.50	0.05
52.75	0.17	66.75	0.10	80.75	0.07	94.75	0.05
53.00	0.17	67.00	0.10	81.00	0.07	95.00	0.05
53.25	0.16	67.25	0.10	81.25	0.07	95.25	0.05
53.50	0.16	67.50	0.10	81.50	0.07	95.50	0.05
53.75	0.16	67.75	0.10	81.75	0.07	95.75	0.05
54.00	0.16	68.00	0.10	82.00	0.07	96.00	0.05

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 100% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.96 11.5 Inches

BioInitiative ft. 72.00 864.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	8287.67	10.25	4.93	20.25	1.26	30.25	0.57
0.50	2071.92	10.50	4.70	20.50	1.23	30.50	0.56
0.75	920.85	10.75	4.48	20.75	1.20	30.75	0.55
1.00	517.98	11.00	4.28	21.00	1.17	31.00	0.54
1.25	331.51	11.25	4.09	21.25	1.15	31.25	0.53
1.50	230.21	11.50	3.92	21.50	1.12	31.50	0.52
1.75	169.14	11.75	3.75	21.75	1.09	31.75	0.51
2.00	129.49	12.00	3.60	22.00	1.07	32.00	0.51
2.25	102.32	12.25	3.45	22.25	1.05	32.25	0.50
2.50	82.88	12.50	3.32	22.50	1.02	32.50	0.49
2.75	68.49	12.75	3.19	22.75	1.00	32.75	0.48
3.00	57.55	13.00	3.06	23.00	0.98	33.00	0.48
3.25	49.04	13.25	2.95	23.25	0.96	33.25	0.47
3.50	42.28	13.50	2.84	23.50	0.94	33.50	0.46
3.75	36.83	13.75	2.74	23.75	0.92	33.75	0.45
4.00	32.37	14.00	2.64	24.00	0.90	34.00	0.45
4.25	28.68	14.25	2.55	24.25	0.88	34.25	0.44
4.50	25.58	14.50	2.46	24.50	0.86	34.50	0.44
4.75	22.96	14.75	2.38	24.75	0.85	34.75	0.43
5.00	20.72	15.00	2.30	25.00	0.83	35.00	0.42
5.25	18.79	15.25	2.23	25.25	0.81	35.25	0.42
5.50	17.12	15.50	2.16	25.50	0.80	35.50	0.41
5.75	15.67	15.75	2.09	25.75	0.78	35.75	0.41
6.00	14.39	16.00	2.02	26.00	0.77	36.00	0.40
6.25	13.26	16.25	1.96	26.25	0.75	36.25	0.39
6.50	12.26	16.50	1.90	26.50	0.74	36.50	0.39
6.75	11.37	16.75	1.85	26.75	0.72	36.75	0.38
7.00	10.57	17.00	1.79	27.00	0.71	37.00	0.38
7.25	9.85	17.25	1.74	27.25	0.70	37.25	0.37
7.50	9.21	17.50	1.69	27.50	0.68	37.50	0.37
7.75	8.62	17.75	1.64	27.75	0.67	37.75	0.36
8.00	8.09	18.00	1.60	28.00	0.66	38.00	0.36
8.25	7.61	18.25	1.56	28.25	0.65	38.25	0.35
8.50	7.17	18.50	1.51	28.50	0.64	38.50	0.35
8.75	6.77	18.75	1.47	28.75	0.63	38.75	0.34
9.00	6.39	19.00	1.43	29.00	0.62	39.00	0.34
9.25	6.05	19.25	1.40	29.25	0.61	39.25	0.34
9.50	5.74	19.50	1.36	29.50	0.60	39.50	0.33
9.75	5.45	19.75	1.33	29.75	0.59	39.75	0.33
10.00	5.18	20.00	1.29	30.00	0.58	40.00	0.32

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 – 100% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 100%

Distance where limits are exceeded

FCC ft. 0.96

11.53 Inches

BioInitiative ft. 72.00

864.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.32	54.25	0.18	68.25	0.11	82.25	0.08
40.50	0.32	54.50	0.17	68.50	0.11	82.50	0.08
40.75	0.31	54.75	0.17	68.75	0.11	82.75	0.08
41.00	0.31	55.00	0.17	69.00	0.11	83.00	0.08
41.25	0.30	55.25	0.17	69.25	0.11	83.25	0.07
41.50	0.30	55.50	0.17	69.50	0.11	83.50	0.07
41.75	0.30	55.75	0.17	69.75	0.11	83.75	0.07
42.00	0.29	56.00	0.17	70.00	0.11	84.00	0.07
42.25	0.29	56.25	0.16	70.25	0.10	84.25	0.07
42.50	0.29	56.50	0.16	70.50	0.10	84.50	0.07
42.75	0.28	56.75	0.16	70.75	0.10	84.75	0.07
43.00	0.28	57.00	0.16	71.00	0.10	85.00	0.07
43.25	0.28	57.25	0.16	71.25	0.10	85.25	0.07
43.50	0.27	57.50	0.16	71.50	0.10	85.50	0.07
43.75	0.27	57.75	0.16	71.75	0.10	85.75	0.07
44.00	0.27	58.00	0.15	72.00	0.10	86.00	0.07
44.25	0.26	58.25	0.15	72.25	0.10	86.25	0.07
44.50	0.26	58.50	0.15	72.50	0.10	86.50	0.07
44.75	0.26	58.75	0.15	72.75	0.10	86.75	0.07
45.00	0.26	59.00	0.15	73.00	0.10	87.00	0.07
45.25	0.25	59.25	0.15	73.25	0.10	87.25	0.07
45.50	0.25	59.50	0.15	73.50	0.10	87.50	0.07
45.75	0.25	59.75	0.15	73.75	0.10	87.75	0.07
46.00	0.24	60.00	0.14	74.00	0.09	88.00	0.07
46.25	0.24	60.25	0.14	74.25	0.09	88.25	0.07
46.50	0.24	60.50	0.14	74.50	0.09	88.50	0.07
46.75	0.24	60.75	0.14	74.75	0.09	88.75	0.07
47.00	0.23	61.00	0.14	75.00	0.09	89.00	0.07
47.25	0.23	61.25	0.14	75.25	0.09	89.25	0.07
47.50	0.23	61.50	0.14	75.50	0.09	89.50	0.06
47.75	0.23	61.75	0.14	75.75	0.09	89.75	0.06
48.00	0.22	62.00	0.13	76.00	0.09	90.00	0.06
48.25	0.22	62.25	0.13	76.25	0.09	90.25	0.06
48.50	0.22	62.50	0.13	76.50	0.09	90.50	0.06
48.75	0.22	62.75	0.13	76.75	0.09	90.75	0.06
49.00	0.22	63.00	0.13	77.00	0.09	91.00	0.06
49.25	0.21	63.25	0.13	77.25	0.09	91.25	0.06
49.50	0.21	63.50	0.13	77.50	0.09	91.50	0.06
49.75	0.21	63.75	0.13	77.75	0.09	91.75	0.06
50.00	0.21	64.00	0.13	78.00	0.09	92.00	0.06
50.25	0.21	64.25	0.13	78.25	0.08	92.25	0.06
50.50	0.20	64.50	0.12	78.50	0.08	92.50	0.06
50.75	0.20	64.75	0.12	78.75	0.08	92.75	0.06
51.00	0.20	65.00	0.12	79.00	0.08	93.00	0.06
51.25	0.20	65.25	0.12	79.25	0.08	93.25	0.06
51.50	0.20	65.50	0.12	79.50	0.08	93.50	0.06
51.75	0.19	65.75	0.12	79.75	0.08	93.75	0.06
52.00	0.19	66.00	0.12	80.00	0.08	94.00	0.06
52.25	0.19	66.25	0.12	80.25	0.08	94.25	0.06
52.50	0.19	66.50	0.12	80.50	0.08	94.50	0.06
52.75	0.19	66.75	0.12	80.75	0.08	94.75	0.06
53.00	0.18	67.00	0.12	81.00	0.08	95.00	0.06
53.25	0.18	67.25	0.11	81.25	0.08	95.25	0.06
53.50	0.18	67.50	0.11	81.50	0.08	95.50	0.06
53.75	0.18	67.75	0.11	81.75	0.08	95.75	0.06
54.00	0.18	68.00	0.11	82.00	0.08	96.00	0.06