

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 1% % Reflection 60%

Distance where limits are exceeded			
FCC ft.	0.14	1.6 Inches	
BioInitiative ft.	10.75	129.0 Inches	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	92.46	10.25	0.11	20.25	0.03	30.25	0.01
0.50	36.98	10.50	0.10	20.50	0.03	30.50	0.01
0.75	18.49	10.75	0.10	20.75	0.03	30.75	0.01
1.00	10.88	11.00	0.10	21.00	0.03	31.00	0.01
1.25	7.11	11.25	0.09	21.25	0.03	31.25	0.01
1.50	5.00	11.50	0.09	21.50	0.02	31.50	0.01
1.75	3.70	11.75	0.08	21.75	0.02	31.75	0.01
2.00	2.84	12.00	0.08	22.00	0.02	32.00	0.01
2.25	2.26	12.25	0.08	22.25	0.02	32.25	0.01
2.50	1.83	12.50	0.07	22.50	0.02	32.50	0.01
2.75	1.52	12.75	0.07	22.75	0.02	32.75	0.01
3.00	1.28	13.00	0.07	23.00	0.02	33.00	0.01
3.25	1.09	13.25	0.07	23.25	0.02	33.25	0.01
3.50	0.94	13.50	0.06	23.50	0.02	33.50	0.01
3.75	0.82	13.75	0.06	23.75	0.02	33.75	0.01
4.00	0.72	14.00	0.06	24.00	0.02	34.00	0.01
4.25	0.64	14.25	0.06	24.25	0.02	34.25	0.01
4.50	0.57	14.50	0.05	24.50	0.02	34.50	0.01
4.75	0.51	14.75	0.05	24.75	0.02	34.75	0.01
5.00	0.46	15.00	0.05	25.00	0.02	35.00	0.01
5.25	0.42	15.25	0.05	25.25	0.02	35.25	0.01
5.50	0.38	15.50	0.05	25.50	0.02	35.50	0.01
5.75	0.35	15.75	0.05	25.75	0.02	35.75	0.01
6.00	0.32	16.00	0.05	26.00	0.02	36.00	0.01
6.25	0.30	16.25	0.04	26.25	0.02	36.25	0.01
6.50	0.27	16.50	0.04	26.50	0.02	36.50	0.01
6.75	0.25	16.75	0.04	26.75	0.02	36.75	0.01
7.00	0.24	17.00	0.04	27.00	0.02	37.00	0.01
7.25	0.22	17.25	0.04	27.25	0.02	37.25	0.01
7.50	0.21	17.50	0.04	27.50	0.02	37.50	0.01
7.75	0.19	17.75	0.04	27.75	0.02	37.75	0.01
8.00	0.18	18.00	0.04	28.00	0.01	38.00	0.01
8.25	0.17	18.25	0.03	28.25	0.01	38.25	0.01
8.50	0.16	18.50	0.03	28.50	0.01	38.50	0.01
8.75	0.15	18.75	0.03	28.75	0.01	38.75	0.01
9.00	0.14	19.00	0.03	29.00	0.01	39.00	0.01
9.25	0.13	19.25	0.03	29.25	0.01	39.25	0.01
9.50	0.13	19.50	0.03	29.50	0.01	39.50	0.01
9.75	0.12	19.75	0.03	29.75	0.01	39.75	0.01
10.00	0.12	20.00	0.03	30.00	0.01	40.00	0.01

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 1% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 0.14 1.63 Inches
 BioInitiative ft. 10.75 129.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.01	54.25	0.00	68.25	0.00	82.25	0.00
40.50	0.01	54.50	0.00	68.50	0.00	82.50	0.00
40.75	0.01	54.75	0.00	68.75	0.00	82.75	0.00
41.00	0.01	55.00	0.00	69.00	0.00	83.00	0.00
41.25	0.01	55.25	0.00	69.25	0.00	83.25	0.00
41.50	0.01	55.50	0.00	69.50	0.00	83.50	0.00
41.75	0.01	55.75	0.00	69.75	0.00	83.75	0.00
42.00	0.01	56.00	0.00	70.00	0.00	84.00	0.00
42.25	0.01	56.25	0.00	70.25	0.00	84.25	0.00
42.50	0.01	56.50	0.00	70.50	0.00	84.50	0.00
42.75	0.01	56.75	0.00	70.75	0.00	84.75	0.00
43.00	0.01	57.00	0.00	71.00	0.00	85.00	0.00
43.25	0.01	57.25	0.00	71.25	0.00	85.25	0.00
43.50	0.01	57.50	0.00	71.50	0.00	85.50	0.00
43.75	0.01	57.75	0.00	71.75	0.00	85.75	0.00
44.00	0.01	58.00	0.00	72.00	0.00	86.00	0.00
44.25	0.01	58.25	0.00	72.25	0.00	86.25	0.00
44.50	0.01	58.50	0.00	72.50	0.00	86.50	0.00
44.75	0.01	58.75	0.00	72.75	0.00	86.75	0.00
45.00	0.01	59.00	0.00	73.00	0.00	87.00	0.00
45.25	0.01	59.25	0.00	73.25	0.00	87.25	0.00
45.50	0.01	59.50	0.00	73.50	0.00	87.50	0.00
45.75	0.01	59.75	0.00	73.75	0.00	87.75	0.00
46.00	0.01	60.00	0.00	74.00	0.00	88.00	0.00
46.25	0.01	60.25	0.00	74.25	0.00	88.25	0.00
46.50	0.01	60.50	0.00	74.50	0.00	88.50	0.00
46.75	0.01	60.75	0.00	74.75	0.00	88.75	0.00
47.00	0.01	61.00	0.00	75.00	0.00	89.00	0.00
47.25	0.01	61.25	0.00	75.25	0.00	89.25	0.00
47.50	0.01	61.50	0.00	75.50	0.00	89.50	0.00
47.75	0.01	61.75	0.00	75.75	0.00	89.75	0.00
48.00	0.01	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 13 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	4.2 Inches
BioInitiative ft.	408.0 Inches
0.35	
34.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	924.57	10.25	1.10	20.25	0.28	30.25	0.13
0.50	369.83	10.50	1.05	20.50	0.27	30.50	0.12
0.75	184.91	10.75	1.00	20.75	0.27	30.75	0.12
1.00	108.77	11.00	0.95	21.00	0.26	31.00	0.12
1.25	71.12	11.25	0.91	21.25	0.26	31.25	0.12
1.50	49.98	11.50	0.87	21.50	0.25	31.50	0.12
1.75	36.98	11.75	0.84	21.75	0.24	31.75	0.11
2.00	28.45	12.00	0.80	22.00	0.24	32.00	0.11
2.25	22.55	12.25	0.77	22.25	0.23	32.25	0.11
2.50	18.31	12.50	0.74	22.50	0.23	32.50	0.11
2.75	15.16	12.75	0.71	22.75	0.22	32.75	0.11
3.00	12.75	13.00	0.68	23.00	0.22	33.00	0.11
3.25	10.88	13.25	0.66	23.25	0.21	33.25	0.10
3.50	9.39	13.50	0.63	23.50	0.21	33.50	0.10
3.75	8.18	13.75	0.61	23.75	0.20	33.75	0.10
4.00	7.20	14.00	0.59	24.00	0.20	34.00	0.10
4.25	6.38	14.25	0.57	24.25	0.20	34.25	0.10
4.50	5.69	14.50	0.55	24.50	0.19	34.50	0.10
4.75	5.11	14.75	0.53	24.75	0.19	34.75	0.10
5.00	4.61	15.00	0.51	25.00	0.18	35.00	0.09
5.25	4.18	15.25	0.50	25.25	0.18	35.25	0.09
5.50	3.81	15.50	0.48	25.50	0.18	35.50	0.09
5.75	3.49	15.75	0.47	25.75	0.17	35.75	0.09
6.00	3.20	16.00	0.45	26.00	0.17	36.00	0.09
6.25	2.95	16.25	0.44	26.25	0.17	36.25	0.09
6.50	2.73	16.50	0.42	26.50	0.16	36.50	0.09
6.75	2.53	16.75	0.41	26.75	0.16	36.75	0.09
7.00	2.36	17.00	0.40	27.00	0.16	37.00	0.08
7.25	2.20	17.25	0.39	27.25	0.16	37.25	0.08
7.50	2.05	17.50	0.38	27.50	0.15	37.50	0.08
7.75	1.92	17.75	0.37	27.75	0.15	37.75	0.08
8.00	1.80	18.00	0.36	28.00	0.15	38.00	0.08
8.25	1.70	18.25	0.35	28.25	0.14	38.25	0.08
8.50	1.60	18.50	0.34	28.50	0.14	38.50	0.08
8.75	1.51	18.75	0.33	28.75	0.14	38.75	0.08
9.00	1.43	19.00	0.32	29.00	0.14	39.00	0.08
9.25	1.35	19.25	0.31	29.25	0.14	39.25	0.08
9.50	1.28	19.50	0.30	29.50	0.13	39.50	0.07
9.75	1.21	19.75	0.30	29.75	0.13	39.75	0.07
10.00	1.15	20.00	0.29	30.00	0.13	40.00	0.07

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 10% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 0.35 4.20 Inches
 BioInitiative ft. 34.00 408.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.07	54.25	0.04	68.25	0.02	82.25	0.02
40.50	0.07	54.50	0.04	68.50	0.02	82.50	0.02
40.75	0.07	54.75	0.04	68.75	0.02	82.75	0.02
41.00	0.07	55.00	0.04	69.00	0.02	83.00	0.02
41.25	0.07	55.25	0.04	69.25	0.02	83.25	0.02
41.50	0.07	55.50	0.04	69.50	0.02	83.50	0.02
41.75	0.07	55.75	0.04	69.75	0.02	83.75	0.02
42.00	0.07	56.00	0.04	70.00	0.02	84.00	0.02
42.25	0.06	56.25	0.04	70.25	0.02	84.25	0.02
42.50	0.06	56.50	0.04	70.50	0.02	84.50	0.02
42.75	0.06	56.75	0.04	70.75	0.02	84.75	0.02
43.00	0.06	57.00	0.04	71.00	0.02	85.00	0.02
43.25	0.06	57.25	0.04	71.25	0.02	85.25	0.02
43.50	0.06	57.50	0.03	71.50	0.02	85.50	0.02
43.75	0.06	57.75	0.03	71.75	0.02	85.75	0.02
44.00	0.06	58.00	0.03	72.00	0.02	86.00	0.02
44.25	0.06	58.25	0.03	72.25	0.02	86.25	0.02
44.50	0.06	58.50	0.03	72.50	0.02	86.50	0.02
44.75	0.06	58.75	0.03	72.75	0.02	86.75	0.02
45.00	0.06	59.00	0.03	73.00	0.02	87.00	0.02
45.25	0.06	59.25	0.03	73.25	0.02	87.25	0.02
45.50	0.06	59.50	0.03	73.50	0.02	87.50	0.02
45.75	0.06	59.75	0.03	73.75	0.02	87.75	0.02
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	0.05	62.00	0.03	76.00	0.02	90.00	0.01
48.25	0.05	62.25	0.03	76.25	0.02	90.25	0.01
48.50	0.05	62.50	0.03	76.50	0.02	90.50	0.01
48.75	0.05	62.75	0.03	76.75	0.02	90.75	0.01
49.00	0.05	63.00	0.03	77.00	0.02	91.00	0.01
49.25	0.05	63.25	0.03	77.25	0.02	91.25	0.01
49.50	0.05	63.50	0.03	77.50	0.02	91.50	0.01
49.75	0.05	63.75	0.03	77.75	0.02	91.75	0.01
50.00	0.05	64.00	0.03	78.00	0.02	92.00	0.01
50.25	0.05	64.25	0.03	78.25	0.02	92.25	0.01
50.50	0.05	64.50	0.03	78.50	0.02	92.50	0.01
50.75	0.04	64.75	0.03	78.75	0.02	92.75	0.01
51.00	0.04	65.00	0.03	79.00	0.02	93.00	0.01
51.25	0.04	65.25	0.03	79.25	0.02	93.25	0.01
51.50	0.04	65.50	0.03	79.50	0.02	93.50	0.01
51.75	0.04	65.75	0.03	79.75	0.02	93.75	0.01
52.00	0.04	66.00	0.03	80.00	0.02	94.00	0.01
52.25	0.04	66.25	0.03	80.25	0.02	94.25	0.01
52.50	0.04	66.50	0.03	80.50	0.02	94.50	0.01
52.75	0.04	66.75	0.03	80.75	0.02	94.75	0.01
53.00	0.04	67.00	0.03	81.00	0.02	95.00	0.01
53.25	0.04	67.25	0.03	81.25	0.02	95.25	0.01
53.50	0.04	67.50	0.03	81.50	0.02	95.50	0.01
53.75	0.04	67.75	0.03	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 13 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	6.7 Inches
BioInitiative ft.	576.0 Inches
0.55	
48.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1849.14	10.25	2.20	20.25	0.56	30.25	0.25
0.50	739.66	10.50	2.10	20.50	0.55	30.50	0.25
0.75	369.83	10.75	2.00	20.75	0.54	30.75	0.24
1.00	217.55	11.00	1.91	21.00	0.52	31.00	0.24
1.25	142.24	11.25	1.83	21.25	0.51	31.25	0.24
1.50	99.95	11.50	1.75	21.50	0.50	31.50	0.23
1.75	73.97	11.75	1.67	21.75	0.49	31.75	0.23
2.00	56.90	12.00	1.60	22.00	0.48	32.00	0.23
2.25	45.10	12.25	1.54	22.25	0.47	32.25	0.22
2.50	36.62	12.50	1.48	22.50	0.46	32.50	0.22
2.75	30.31	12.75	1.42	22.75	0.45	32.75	0.22
3.00	25.51	13.00	1.37	23.00	0.44	33.00	0.21
3.25	21.75	13.25	1.32	23.25	0.43	33.25	0.21
3.50	18.77	13.50	1.27	23.50	0.42	33.50	0.21
3.75	16.36	13.75	1.22	23.75	0.41	33.75	0.20
4.00	14.39	14.00	1.18	24.00	0.40	34.00	0.20
4.25	12.75	14.25	1.14	24.25	0.39	34.25	0.20
4.50	11.38	14.50	1.10	24.50	0.39	34.50	0.19
4.75	10.22	14.75	1.06	24.75	0.38	34.75	0.19
5.00	9.22	15.00	1.03	25.00	0.37	35.00	0.19
5.25	8.37	15.25	0.99	25.25	0.36	35.25	0.19
5.50	7.63	15.50	0.96	25.50	0.36	35.50	0.18
5.75	6.98	15.75	0.93	25.75	0.35	35.75	0.18
6.00	6.41	16.00	0.90	26.00	0.34	36.00	0.18
6.25	5.91	16.25	0.88	26.25	0.34	36.25	0.18
6.50	5.46	16.50	0.85	26.50	0.33	36.50	0.17
6.75	5.07	16.75	0.82	26.75	0.32	36.75	0.17
7.00	4.71	17.00	0.80	27.00	0.32	37.00	0.17
7.25	4.39	17.25	0.78	27.25	0.31	37.25	0.17
7.50	4.10	17.50	0.75	27.50	0.31	37.50	0.16
7.75	3.84	17.75	0.73	27.75	0.30	37.75	0.16
8.00	3.61	18.00	0.71	28.00	0.29	38.00	0.16
8.25	3.39	18.25	0.69	28.25	0.29	38.25	0.16
8.50	3.20	18.50	0.68	28.50	0.28	38.50	0.16
8.75	3.02	18.75	0.66	28.75	0.28	38.75	0.15
9.00	2.85	19.00	0.64	29.00	0.27	39.00	0.15
9.25	2.70	19.25	0.62	29.25	0.27	39.25	0.15
9.50	2.56	19.50	0.61	29.50	0.27	39.50	0.15
9.75	2.43	19.75	0.59	29.75	0.26	39.75	0.15
10.00	2.31	20.00	0.58	30.00	0.26	40.00	0.14

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 20% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 0.55 6.66 Inches
 BioInitiative ft. 48.00 576.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.14	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	0.04	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	0.06	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	0.10	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 13 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7SMART Meters
Time Avg: 30% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	8.4 Inches
BioInitiative ft.	708.0 Inches
0.70	
59.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	2773.72	10.25	3.30	20.25	0.85	30.25	0.38
0.50	1109.49	10.50	3.14	20.50	0.82	30.50	0.37
0.75	554.74	10.75	3.00	20.75	0.81	30.75	0.37
1.00	326.32	11.00	2.86	21.00	0.79	31.00	0.36
1.25	213.36	11.25	2.74	21.25	0.77	31.25	0.36
1.50	149.93	11.50	2.62	21.50	0.75	31.50	0.35
1.75	110.95	11.75	2.51	21.75	0.73	31.75	0.34
2.00	85.35	12.00	2.41	22.00	0.72	32.00	0.34
2.25	67.65	12.25	2.31	22.25	0.70	32.25	0.33
2.50	54.93	12.50	2.22	22.50	0.68	32.50	0.33
2.75	45.47	12.75	2.13	22.75	0.67	32.75	0.32
3.00	38.26	13.00	2.05	23.00	0.66	33.00	0.32
3.25	32.63	13.25	1.97	23.25	0.64	33.25	0.31
3.50	28.16	13.50	1.90	23.50	0.63	33.50	0.31
3.75	24.55	13.75	1.83	23.75	0.61	33.75	0.30
4.00	21.59	14.00	1.77	24.00	0.60	34.00	0.30
4.25	19.13	14.25	1.71	24.25	0.59	34.25	0.30
4.50	17.07	14.50	1.65	24.50	0.58	34.50	0.29
4.75	15.32	14.75	1.59	24.75	0.57	34.75	0.29
5.00	13.83	15.00	1.54	25.00	0.55	35.00	0.28
5.25	12.55	15.25	1.49	25.25	0.54	35.25	0.28
5.50	11.44	15.50	1.44	25.50	0.53	35.50	0.28
5.75	10.47	15.75	1.40	25.75	0.52	35.75	0.27
6.00	9.61	16.00	1.35	26.00	0.51	36.00	0.27
6.25	8.86	16.25	1.31	26.25	0.50	36.25	0.26
6.50	8.19	16.50	1.27	26.50	0.49	36.50	0.26
6.75	7.60	16.75	1.24	26.75	0.48	36.75	0.26
7.00	7.07	17.00	1.20	27.00	0.48	37.00	0.25
7.25	6.59	17.25	1.16	27.25	0.47	37.25	0.25
7.50	6.16	17.50	1.13	27.50	0.46	37.50	0.25
7.75	5.77	17.75	1.10	27.75	0.45	37.75	0.24
8.00	5.41	18.00	1.07	28.00	0.44	38.00	0.24
8.25	5.09	18.25	1.04	28.25	0.43	38.25	0.24
8.50	4.79	18.50	1.01	28.50	0.43	38.50	0.23
8.75	4.52	18.75	0.99	28.75	0.42	38.75	0.23
9.00	4.28	19.00	0.96	29.00	0.41	39.00	0.23
9.25	4.05	19.25	0.94	29.25	0.41	39.25	0.23
9.50	3.84	19.50	0.91	29.50	0.40	39.50	0.22
9.75	3.64	19.75	0.89	29.75	0.39	39.75	0.22
10.00	3.46	20.00	0.87	30.00	0.39	40.00	0.22

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7SMART Meters
Time Avg: 30% % Reflection 60%

Distance where limits are exceeded
FCC ft. 0.70 8.42 Inches
BioInitiative ft. 59.00 708.00 Inches

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 40% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	0.82 9.9 Inches
BioInitiative ft.	68.00 816.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	3698.29	10.25	4.40	20.25	1.13	30.25	0.51
0.50	1479.32	10.50	4.19	20.50	1.10	30.50	0.50
0.75	739.66	10.75	4.00	20.75	1.07	30.75	0.49
1.00	435.09	11.00	3.82	21.00	1.05	31.00	0.48
1.25	284.48	11.25	3.65	21.25	1.02	31.25	0.47
1.50	199.91	11.50	3.49	21.50	1.00	31.50	0.47
1.75	147.93	11.75	3.35	21.75	0.98	31.75	0.46
2.00	113.79	12.00	3.21	22.00	0.96	32.00	0.45
2.25	90.20	12.25	3.08	22.25	0.93	32.25	0.44
2.50	73.23	12.50	2.96	22.50	0.91	32.50	0.44
2.75	60.63	12.75	2.84	22.75	0.89	32.75	0.43
3.00	51.01	13.00	2.73	23.00	0.87	33.00	0.42
3.25	43.51	13.25	2.63	23.25	0.86	33.25	0.42
3.50	37.55	13.50	2.54	23.50	0.84	33.50	0.41
3.75	32.73	13.75	2.44	23.75	0.82	33.75	0.41
4.00	28.78	14.00	2.36	24.00	0.80	34.00	0.40
4.25	25.51	14.25	2.28	24.25	0.79	34.25	0.39
4.50	22.76	14.50	2.20	24.50	0.77	34.50	0.39
4.75	20.43	14.75	2.12	24.75	0.75	34.75	0.38
5.00	18.45	15.00	2.05	25.00	0.74	35.00	0.38
5.25	16.73	15.25	1.99	25.25	0.73	35.25	0.37
5.50	15.25	15.50	1.92	25.50	0.71	35.50	0.37
5.75	13.96	15.75	1.86	25.75	0.70	35.75	0.36
6.00	12.82	16.00	1.81	26.00	0.68	36.00	0.36
6.25	11.82	16.25	1.75	26.25	0.67	36.25	0.35
6.50	10.93	16.50	1.70	26.50	0.66	36.50	0.35
6.75	10.13	16.75	1.65	26.75	0.65	36.75	0.34
7.00	9.42	17.00	1.60	27.00	0.63	37.00	0.34
7.25	8.78	17.25	1.55	27.25	0.62	37.25	0.33
7.50	8.21	17.50	1.51	27.50	0.61	37.50	0.33
7.75	7.69	17.75	1.47	27.75	0.60	37.75	0.32
8.00	7.22	18.00	1.43	28.00	0.59	38.00	0.32
8.25	6.79	18.25	1.39	28.25	0.58	38.25	0.32
8.50	6.39	18.50	1.35	28.50	0.57	38.50	0.31
8.75	6.03	18.75	1.31	28.75	0.56	38.75	0.31
9.00	5.70	19.00	1.28	29.00	0.55	39.00	0.30
9.25	5.40	19.25	1.25	29.25	0.54	39.25	0.30
9.50	5.12	19.50	1.22	29.50	0.53	39.50	0.30
9.75	4.86	19.75	1.18	29.75	0.52	39.75	0.29
10.00	4.62	20.00	1.16	30.00	0.51	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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 40% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 0.82 9.88 Inches
 BioInitiative ft. 68.00 816.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.29	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	0.15	68.75	0.10	82.75	0.07
41.00	0.27	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	0.09	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	0.14	70.50	0.09	84.50	0.06
42.75	0.25	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	0.24	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	0.23	58.50	0.14	72.50	0.09	86.50	0.06
44.75	0.23	58.75	0.13	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	0.22	59.50	0.13	73.50	0.09	87.50	0.06
45.75	0.22	59.75	0.13	73.75	0.08	87.75	0.06
46.00	0.22	60.00	0.13	74.00	0.08	88.00	0.06
46.25	0.22	60.25	0.13	74.25	0.08	88.25	0.06
46.50	0.21	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	0.12	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	0.20	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	0.19	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	0.11	77.50	0.08	91.50	0.06
49.75	0.19	63.75	0.11	77.75	0.08	91.75	0.05
50.00	0.18	64.00	0.11	78.00	0.08	92.00	0.05
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	0.07	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	0.17	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	0.10	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	0.16	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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	11.1 Inches
BioInitiative ft.	912.0 Inches
0.93	
76.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4622.86	10.25	5.50	20.25	1.41	30.25	0.63
0.50	1849.14	10.50	5.24	20.50	1.37	30.50	0.62
0.75	924.57	10.75	5.00	20.75	1.34	30.75	0.61
1.00	543.87	11.00	4.77	21.00	1.31	31.00	0.60
1.25	355.60	11.25	4.56	21.25	1.28	31.25	0.59
1.50	249.88	11.50	4.37	21.50	1.25	31.50	0.58
1.75	184.91	11.75	4.18	21.75	1.22	31.75	0.57
2.00	142.24	12.00	4.01	22.00	1.19	32.00	0.56
2.25	112.75	12.25	3.85	22.25	1.17	32.25	0.56
2.50	91.54	12.50	3.70	22.50	1.14	32.50	0.55
2.75	75.78	12.75	3.55	22.75	1.12	32.75	0.54
3.00	63.76	13.00	3.42	23.00	1.09	33.00	0.53
3.25	54.39	13.25	3.29	23.25	1.07	33.25	0.52
3.50	46.93	13.50	3.17	23.50	1.05	33.50	0.51
3.75	40.91	13.75	3.06	23.75	1.02	33.75	0.51
4.00	35.98	14.00	2.95	24.00	1.00	34.00	0.50
4.25	31.88	14.25	2.84	24.25	0.98	34.25	0.49
4.50	28.45	14.50	2.75	24.50	0.96	34.50	0.49
4.75	25.54	14.75	2.66	24.75	0.94	34.75	0.48
5.00	23.06	15.00	2.57	25.00	0.92	35.00	0.47
5.25	20.92	15.25	2.48	25.25	0.91	35.25	0.47
5.50	19.06	15.50	2.40	25.50	0.89	35.50	0.46
5.75	17.44	15.75	2.33	25.75	0.87	35.75	0.45
6.00	16.02	16.00	2.26	26.00	0.85	36.00	0.45
6.25	14.77	16.25	2.19	26.25	0.84	36.25	0.44
6.50	13.66	16.50	2.12	26.50	0.82	36.50	0.43
6.75	12.67	16.75	2.06	26.75	0.81	36.75	0.43
7.00	11.78	17.00	2.00	27.00	0.79	37.00	0.42
7.25	10.98	17.25	1.94	27.25	0.78	37.25	0.42
7.50	10.26	17.50	1.89	27.50	0.76	37.50	0.41
7.75	9.61	17.75	1.83	27.75	0.75	37.75	0.41
8.00	9.02	18.00	1.78	28.00	0.74	38.00	0.40
8.25	8.48	18.25	1.73	28.25	0.72	38.25	0.39
8.50	7.99	18.50	1.69	28.50	0.71	38.50	0.39
8.75	7.54	18.75	1.64	28.75	0.70	38.75	0.38
9.00	7.13	19.00	1.60	29.00	0.69	39.00	0.38
9.25	6.75	19.25	1.56	29.25	0.68	39.25	0.38
9.50	6.40	19.50	1.52	29.50	0.66	39.50	0.37
9.75	6.07	19.75	1.48	29.75	0.65	39.75	0.37
10.00	5.77	20.00	1.44	30.00	0.64	40.00	0.36

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 50% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 0.93 11.15 Inches
 BioInitiative ft. 76.00 912.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.36	54.25	0.20	68.25	0.12	82.25	0.09
40.50	0.35	54.50	0.19	68.50	0.12	82.50	0.08
40.75	0.35	54.75	0.19	68.75	0.12	82.75	0.08
41.00	0.34	55.00	0.19	69.00	0.12	83.00	0.08
41.25	0.34	55.25	0.19	69.25	0.12	83.25	0.08
41.50	0.34	55.50	0.19	69.50	0.12	83.50	0.08
41.75	0.33	55.75	0.19	69.75	0.12	83.75	0.08
42.00	0.33	56.00	0.18	70.00	0.12	84.00	0.08
42.25	0.32	56.25	0.18	70.25	0.12	84.25	0.08
42.50	0.32	56.50	0.18	70.50	0.12	84.50	0.08
42.75	0.32	56.75	0.18	70.75	0.12	84.75	0.08
43.00	0.31	57.00	0.18	71.00	0.11	85.00	0.08
43.25	0.31	57.25	0.18	71.25	0.11	85.25	0.08
43.50	0.31	57.50	0.17	71.50	0.11	85.50	0.08
43.75	0.30	57.75	0.17	71.75	0.11	85.75	0.08
44.00	0.30	58.00	0.17	72.00	0.11	86.00	0.08
44.25	0.30	58.25	0.17	72.25	0.11	86.25	0.08
44.50	0.29	58.50	0.17	72.50	0.11	86.50	0.08
44.75	0.29	58.75	0.17	72.75	0.11	86.75	0.08
45.00	0.29	59.00	0.17	73.00	0.11	87.00	0.08
45.25	0.28	59.25	0.16	73.25	0.11	87.25	0.08
45.50	0.28	59.50	0.16	73.50	0.11	87.50	0.08
45.75	0.28	59.75	0.16	73.75	0.11	87.75	0.08
46.00	0.27	60.00	0.16	74.00	0.11	88.00	0.07
46.25	0.27	60.25	0.16	74.25	0.10	88.25	0.07
46.50	0.27	60.50	0.16	74.50	0.10	88.50	0.07
46.75	0.26	60.75	0.16	74.75	0.10	88.75	0.07
47.00	0.26	61.00	0.16	75.00	0.10	89.00	0.07
47.25	0.26	61.25	0.15	75.25	0.10	89.25	0.07
47.50	0.26	61.50	0.15	75.50	0.10	89.50	0.07
47.75	0.25	61.75	0.15	75.75	0.10	89.75	0.07
48.00	0.25	62.00	0.15	76.00	0.10	90.00	0.07
48.25	0.25	62.25	0.15	76.25	0.10	90.25	0.07
48.50	0.25	62.50	0.15	76.50	0.10	90.50	0.07
48.75	0.24	62.75	0.15	76.75	0.10	90.75	0.07
49.00	0.24	63.00	0.15	77.00	0.10	91.00	0.07
49.25	0.24	63.25	0.14	77.25	0.10	91.25	0.07
49.50	0.24	63.50	0.14	77.50	0.10	91.50	0.07
49.75	0.23	63.75	0.14	77.75	0.10	91.75	0.07
50.00	0.23	64.00	0.14	78.00	0.09	92.00	0.07
50.25	0.23	64.25	0.14	78.25	0.09	92.25	0.07
50.50	0.23	64.50	0.14	78.50	0.09	92.50	0.07
50.75	0.22	64.75	0.14	78.75	0.09	92.75	0.07
51.00	0.22	65.00	0.14	79.00	0.09	93.00	0.07
51.25	0.22	65.25	0.14	79.25	0.09	93.25	0.07
51.50	0.22	65.50	0.13	79.50	0.09	93.50	0.07
51.75	0.22	65.75	0.13	79.75	0.09	93.75	0.07
52.00	0.21	66.00	0.13	80.00	0.09	94.00	0.07
52.25	0.21	66.25	0.13	80.25	0.09	94.25	0.07
52.50	0.21	66.50	0.13	80.50	0.09	94.50	0.06
52.75	0.21	66.75	0.13	80.75	0.09	94.75	0.06
53.00	0.21	67.00	0.13	81.00	0.09	95.00	0.06
53.25	0.20	67.25	0.13	81.25	0.09	95.25	0.06
53.50	0.20	67.50	0.13	81.50	0.09	95.50	0.06
53.75	0.20	67.75	0.13	81.75	0.09	95.75	0.06
54.00	0.20	68.00	0.12	82.00	0.09	96.00	0.06

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 60% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	1.02 12.3 Inches
BioInitiative ft.	83.10 997.2 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	5547.43	10.25	6.60	20.25	1.69	30.25	0.76
0.50	2218.97	10.50	6.29	20.50	1.65	30.50	0.75
0.75	1109.49	10.75	6.00	20.75	1.61	30.75	0.73
1.00	652.64	11.00	5.73	21.00	1.57	31.00	0.72
1.25	426.73	11.25	5.48	21.25	1.54	31.25	0.71
1.50	299.86	11.50	5.24	21.50	1.50	31.50	0.70
1.75	221.90	11.75	5.02	21.75	1.47	31.75	0.69
2.00	170.69	12.00	4.81	22.00	1.43	32.00	0.68
2.25	135.30	12.25	4.62	22.25	1.40	32.25	0.67
2.50	109.85	12.50	4.44	22.50	1.37	32.50	0.66
2.75	90.94	12.75	4.26	22.75	1.34	32.75	0.65
3.00	76.52	13.00	4.10	23.00	1.31	33.00	0.64
3.25	65.26	13.25	3.95	23.25	1.28	33.25	0.63
3.50	56.32	13.50	3.80	23.50	1.26	33.50	0.62
3.75	49.09	13.75	3.67	23.75	1.23	33.75	0.61
4.00	43.17	14.00	3.54	24.00	1.20	34.00	0.60
4.25	38.26	14.25	3.41	24.25	1.18	34.25	0.59
4.50	34.14	14.50	3.30	24.50	1.16	34.50	0.58
4.75	30.65	14.75	3.19	24.75	1.13	34.75	0.57
5.00	27.67	15.00	3.08	25.00	1.11	35.00	0.57
5.25	25.10	15.25	2.98	25.25	1.09	35.25	0.56
5.50	22.88	15.50	2.89	25.50	1.07	35.50	0.55
5.75	20.93	15.75	2.79	25.75	1.05	35.75	0.54
6.00	19.23	16.00	2.71	26.00	1.03	36.00	0.54
6.25	17.72	16.25	2.63	26.25	1.01	36.25	0.53
6.50	16.39	16.50	2.55	26.50	0.99	36.50	0.52
6.75	15.20	16.75	2.47	26.75	0.97	36.75	0.51
7.00	14.13	17.00	2.40	27.00	0.95	37.00	0.51
7.25	13.18	17.25	2.33	27.25	0.93	37.25	0.50
7.50	12.31	17.50	2.26	27.50	0.92	37.50	0.49
7.75	11.53	17.75	2.20	27.75	0.90	37.75	0.49
8.00	10.82	18.00	2.14	28.00	0.88	38.00	0.48
8.25	10.18	18.25	2.08	28.25	0.87	38.25	0.47
8.50	9.59	18.50	2.03	28.50	0.85	38.50	0.47
8.75	9.05	18.75	1.97	28.75	0.84	38.75	0.46
9.00	8.55	19.00	1.92	29.00	0.82	39.00	0.46
9.25	8.10	19.25	1.87	29.25	0.81	39.25	0.45
9.50	7.68	19.50	1.82	29.50	0.80	39.50	0.44
9.75	7.29	19.75	1.78	29.75	0.78	39.75	0.44
10.00	6.93	20.00	1.73	30.00	0.77	40.00	0.43

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 60% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 1.02 12.28 Inches
 BioInitiative ft. 83.10 997.20 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.43	54.25	0.24	68.25	0.15	82.25	0.10
40.50	0.42	54.50	0.23	68.50	0.15	82.50	0.10
40.75	0.42	54.75	0.23	68.75	0.15	82.75	0.10
41.00	0.41	55.00	0.23	69.00	0.15	83.00	0.10
41.25	0.41	55.25	0.23	69.25	0.14	83.25	0.10
41.50	0.40	55.50	0.23	69.50	0.14	83.50	0.10
41.75	0.40	55.75	0.22	69.75	0.14	83.75	0.10
42.00	0.39	56.00	0.22	70.00	0.14	84.00	0.10
42.25	0.39	56.25	0.22	70.25	0.14	84.25	0.10
42.50	0.38	56.50	0.22	70.50	0.14	84.50	0.10
42.75	0.38	56.75	0.22	70.75	0.14	84.75	0.10
43.00	0.38	57.00	0.21	71.00	0.14	85.00	0.10
43.25	0.37	57.25	0.21	71.25	0.14	85.25	0.10
43.50	0.37	57.50	0.21	71.50	0.14	85.50	0.09
43.75	0.36	57.75	0.21	71.75	0.13	85.75	0.09
44.00	0.36	58.00	0.21	72.00	0.13	86.00	0.09
44.25	0.35	58.25	0.20	72.25	0.13	86.25	0.09
44.50	0.35	58.50	0.20	72.50	0.13	86.50	0.09
44.75	0.35	58.75	0.20	72.75	0.13	86.75	0.09
45.00	0.34	59.00	0.20	73.00	0.13	87.00	0.09
45.25	0.34	59.25	0.20	73.25	0.13	87.25	0.09
45.50	0.33	59.50	0.20	73.50	0.13	87.50	0.09
45.75	0.33	59.75	0.19	73.75	0.13	87.75	0.09
46.00	0.33	60.00	0.19	74.00	0.13	88.00	0.09
46.25	0.32	60.25	0.19	74.25	0.13	88.25	0.09
46.50	0.32	60.50	0.19	74.50	0.12	88.50	0.09
46.75	0.32	60.75	0.19	74.75	0.12	88.75	0.09
47.00	0.31	61.00	0.19	75.00	0.12	89.00	0.09
47.25	0.31	61.25	0.18	75.25	0.12	89.25	0.09
47.50	0.31	61.50	0.18	75.50	0.12	89.50	0.09
47.75	0.30	61.75	0.18	75.75	0.12	89.75	0.09
48.00	0.30	62.00	0.18	76.00	0.12	90.00	0.09
48.25	0.30	62.25	0.18	76.25	0.12	90.25	0.09
48.50	0.29	62.50	0.18	76.50	0.12	90.50	0.08
48.75	0.29	62.75	0.18	76.75	0.12	90.75	0.08
49.00	0.29	63.00	0.17	77.00	0.12	91.00	0.08
49.25	0.29	63.25	0.17	77.25	0.12	91.25	0.08
49.50	0.28	63.50	0.17	77.50	0.12	91.50	0.08
49.75	0.28	63.75	0.17	77.75	0.11	91.75	0.08
50.00	0.28	64.00	0.17	78.00	0.11	92.00	0.08
50.25	0.27	64.25	0.17	78.25	0.11	92.25	0.08
50.50	0.27	64.50	0.17	78.50	0.11	92.50	0.08
50.75	0.27	64.75	0.17	78.75	0.11	92.75	0.08
51.00	0.27	65.00	0.16	79.00	0.11	93.00	0.08
51.25	0.26	65.25	0.16	79.25	0.11	93.25	0.08
51.50	0.26	65.50	0.16	79.50	0.11	93.50	0.08
51.75	0.26	65.75	0.16	79.75	0.11	93.75	0.08
52.00	0.26	66.00	0.16	80.00	0.11	94.00	0.08
52.25	0.25	66.25	0.16	80.25	0.11	94.25	0.08
52.50	0.25	66.50	0.16	80.50	0.11	94.50	0.08
52.75	0.25	66.75	0.16	80.75	0.11	94.75	0.08
53.00	0.25	67.00	0.15	81.00	0.11	95.00	0.08
53.25	0.24	67.25	0.15	81.25	0.11	95.25	0.08
53.50	0.24	67.50	0.15	81.50	0.10	95.50	0.08
53.75	0.24	67.75	0.15	81.75	0.10	95.75	0.08
54.00	0.24	68.00	0.15	82.00	0.10	96.00	0.08

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	13.3 Inches
BioInitiative ft.	1080.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	6472.00	10.25	7.70	20.25	1.97	30.25	0.88
0.50	2588.80	10.50	7.33	20.50	1.92	30.50	0.87
0.75	1294.40	10.75	7.00	20.75	1.88	30.75	0.86
1.00	761.41	11.00	6.68	21.00	1.83	31.00	0.84
1.25	497.85	11.25	6.39	21.25	1.79	31.25	0.83
1.50	349.84	11.50	6.11	21.50	1.75	31.50	0.82
1.75	258.88	11.75	5.86	21.75	1.71	31.75	0.80
2.00	199.14	12.00	5.62	22.00	1.67	32.00	0.79
2.25	157.85	12.25	5.39	22.25	1.63	32.25	0.78
2.50	128.16	12.50	5.18	22.50	1.60	32.50	0.77
2.75	106.10	12.75	4.97	22.75	1.56	32.75	0.75
3.00	89.27	13.00	4.79	23.00	1.53	33.00	0.74
3.25	76.14	13.25	4.61	23.25	1.50	33.25	0.73
3.50	65.71	13.50	4.44	23.50	1.46	33.50	0.72
3.75	57.27	13.75	4.28	23.75	1.43	33.75	0.71
4.00	50.37	14.00	4.13	24.00	1.40	34.00	0.70
4.25	44.63	14.25	3.98	24.25	1.38	34.25	0.69
4.50	39.83	14.50	3.85	24.50	1.35	34.50	0.68
4.75	35.76	14.75	3.72	24.75	1.32	34.75	0.67
5.00	32.28	15.00	3.59	25.00	1.29	35.00	0.66
5.25	29.29	15.25	3.48	25.25	1.27	35.25	0.65
5.50	26.69	15.50	3.37	25.50	1.24	35.50	0.64
5.75	24.42	15.75	3.26	25.75	1.22	35.75	0.63
6.00	22.43	16.00	3.16	26.00	1.20	36.00	0.62
6.25	20.68	16.25	3.06	26.25	1.17	36.25	0.62
6.50	19.12	16.50	2.97	26.50	1.15	36.50	0.61
6.75	17.73	16.75	2.88	26.75	1.13	36.75	0.60
7.00	16.49	17.00	2.80	27.00	1.11	37.00	0.59
7.25	15.37	17.25	2.72	27.25	1.09	37.25	0.58
7.50	14.37	17.50	2.64	27.50	1.07	37.50	0.58
7.75	13.46	17.75	2.57	27.75	1.05	37.75	0.57
8.00	12.63	18.00	2.50	28.00	1.03	38.00	0.56
8.25	11.88	18.25	2.43	28.25	1.01	38.25	0.55
8.50	11.19	18.50	2.36	28.50	1.00	38.50	0.55
8.75	10.56	18.75	2.30	28.75	0.98	38.75	0.54
9.00	9.98	19.00	2.24	29.00	0.96	39.00	0.53
9.25	9.45	19.25	2.18	29.25	0.95	39.25	0.53
9.50	8.96	19.50	2.13	29.50	0.93	39.50	0.52
9.75	8.50	19.75	2.07	29.75	0.91	39.75	0.51
10.00	8.08	20.00	2.02	30.00	0.90	40.00	0.51

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 60%

Distance where limits are exceeded
FCC ft. 1.11 13.32 Inches
BioInitiative ft. 90.00 1080.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.50	54.25	0.27	68.25	0.17	82.25	0.12
40.50	0.49	54.50	0.27	68.50	0.17	82.50	0.12
40.75	0.49	54.75	0.27	68.75	0.17	82.75	0.12
41.00	0.48	55.00	0.27	69.00	0.17	83.00	0.12
41.25	0.48	55.25	0.27	69.25	0.17	83.25	0.12
41.50	0.47	55.50	0.26	69.50	0.17	83.50	0.12
41.75	0.46	55.75	0.26	69.75	0.17	83.75	0.12
42.00	0.46	56.00	0.26	70.00	0.17	84.00	0.11
42.25	0.45	56.25	0.26	70.25	0.16	84.25	0.11
42.50	0.45	56.50	0.25	70.50	0.16	84.50	0.11
42.75	0.44	56.75	0.25	70.75	0.16	84.75	0.11
43.00	0.44	57.00	0.25	71.00	0.16	85.00	0.11
43.25	0.43	57.25	0.25	71.25	0.16	85.25	0.11
43.50	0.43	57.50	0.24	71.50	0.16	85.50	0.11
43.75	0.42	57.75	0.24	71.75	0.16	85.75	0.11
44.00	0.42	58.00	0.24	72.00	0.16	86.00	0.11
44.25	0.41	58.25	0.24	72.25	0.15	86.25	0.11
44.50	0.41	58.50	0.24	72.50	0.15	86.50	0.11
44.75	0.40	58.75	0.23	72.75	0.15	86.75	0.11
45.00	0.40	59.00	0.23	73.00	0.15	87.00	0.11
45.25	0.40	59.25	0.23	73.25	0.15	87.25	0.11
45.50	0.39	59.50	0.23	73.50	0.15	87.50	0.11
45.75	0.39	59.75	0.23	73.75	0.15	87.75	0.11
46.00	0.38	60.00	0.22	74.00	0.15	88.00	0.10
46.25	0.38	60.25	0.22	74.25	0.15	88.25	0.10
46.50	0.37	60.50	0.22	74.50	0.15	88.50	0.10
46.75	0.37	60.75	0.22	74.75	0.14	88.75	0.10
47.00	0.37	61.00	0.22	75.00	0.14	89.00	0.10
47.25	0.36	61.25	0.22	75.25	0.14	89.25	0.10
47.50	0.36	61.50	0.21	75.50	0.14	89.50	0.10
47.75	0.35	61.75	0.21	75.75	0.14	89.75	0.10
48.00	0.35	62.00	0.21	76.00	0.14	90.00	0.10
48.25	0.35	62.25	0.21	76.25	0.14	90.25	0.10
48.50	0.34	62.50	0.21	76.50	0.14	90.50	0.10
48.75	0.34	62.75	0.21	76.75	0.14	90.75	0.10
49.00	0.34	63.00	0.20	77.00	0.14	91.00	0.10
49.25	0.33	63.25	0.20	77.25	0.14	91.25	0.10
49.50	0.33	63.50	0.20	77.50	0.13	91.50	0.10
49.75	0.33	63.75	0.20	77.75	0.13	91.75	0.10
50.00	0.32	64.00	0.20	78.00	0.13	92.00	0.10
50.25	0.32	64.25	0.20	78.25	0.13	92.25	0.10
50.50	0.32	64.50	0.19	78.50	0.13	92.50	0.09
50.75	0.31	64.75	0.19	78.75	0.13	92.75	0.09
51.00	0.31	65.00	0.19	79.00	0.13	93.00	0.09
51.25	0.31	65.25	0.19	79.25	0.13	93.25	0.09
51.50	0.31	65.50	0.19	79.50	0.13	93.50	0.09
51.75	0.30	65.75	0.19	79.75	0.13	93.75	0.09
52.00	0.30	66.00	0.19	80.00	0.13	94.00	0.09
52.25	0.30	66.25	0.18	80.25	0.13	94.25	0.09
52.50	0.29	66.50	0.18	80.50	0.12	94.50	0.09
52.75	0.29	66.75	0.18	80.75	0.12	94.75	0.09
53.00	0.29	67.00	0.18	81.00	0.12	95.00	0.09
53.25	0.29	67.25	0.18	81.25	0.12	95.25	0.09
53.50	0.28	67.50	0.18	81.50	0.12	95.50	0.09
53.75	0.28	67.75	0.18	81.75	0.12	95.75	0.09
54.00	0.28	68.00	0.17	82.00	0.12	96.00	0.09

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 1.19 14.3 Inches

BioInitiative ft. 96.00 1152.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	7396.58	10.25	8.79	20.25	2.25	30.25	1.01
0.50	2958.63	10.50	8.38	20.50	2.20	30.50	0.99
0.75	1479.32	10.75	8.00	20.75	2.15	30.75	0.98
1.00	870.19	11.00	7.64	21.00	2.10	31.00	0.96
1.25	568.97	11.25	7.30	21.25	2.05	31.25	0.95
1.50	399.81	11.50	6.99	21.50	2.00	31.50	0.93
1.75	295.86	11.75	6.69	21.75	1.95	31.75	0.92
2.00	227.59	12.00	6.42	22.00	1.91	32.00	0.90
2.25	180.40	12.25	6.16	22.25	1.87	32.25	0.89
2.50	146.47	12.50	5.91	22.50	1.83	32.50	0.88
2.75	121.26	12.75	5.69	22.75	1.79	32.75	0.86
3.00	102.02	13.00	5.47	23.00	1.75	33.00	0.85
3.25	87.02	13.25	5.26	23.25	1.71	33.25	0.84
3.50	75.09	13.50	5.07	23.50	1.67	33.50	0.82
3.75	65.46	13.75	4.89	23.75	1.64	33.75	0.81
4.00	57.56	14.00	4.72	24.00	1.60	34.00	0.80
4.25	51.01	14.25	4.55	24.25	1.57	34.25	0.79
4.50	45.52	14.50	4.40	24.50	1.54	34.50	0.78
4.75	40.87	14.75	4.25	24.75	1.51	34.75	0.77
5.00	36.89	15.00	4.11	25.00	1.48	35.00	0.75
5.25	33.47	15.25	3.97	25.25	1.45	35.25	0.74
5.50	30.50	15.50	3.85	25.50	1.42	35.50	0.73
5.75	27.91	15.75	3.73	25.75	1.39	35.75	0.72
6.00	25.64	16.00	3.61	26.00	1.37	36.00	0.71
6.25	23.63	16.25	3.50	26.25	1.34	36.25	0.70
6.50	21.85	16.50	3.40	26.50	1.32	36.50	0.69
6.75	20.26	16.75	3.29	26.75	1.29	36.75	0.68
7.00	18.84	17.00	3.20	27.00	1.27	37.00	0.68
7.25	17.57	17.25	3.11	27.25	1.25	37.25	0.67
7.50	16.42	17.50	3.02	27.50	1.22	37.50	0.66
7.75	15.38	17.75	2.93	27.75	1.20	37.75	0.65
8.00	14.43	18.00	2.85	28.00	1.18	38.00	0.64
8.25	13.57	18.25	2.78	28.25	1.16	38.25	0.63
8.50	12.79	18.50	2.70	28.50	1.14	38.50	0.62
8.75	12.07	18.75	2.63	28.75	1.12	38.75	0.62
9.00	11.41	19.00	2.56	29.00	1.10	39.00	0.61
9.25	10.80	19.25	2.49	29.25	1.08	39.25	0.60
9.50	10.24	19.50	2.43	29.50	1.06	39.50	0.59
9.75	9.72	19.75	2.37	29.75	1.04	39.75	0.59
10.00	9.24	20.00	2.31	30.00	1.03	40.00	0.58

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 60%

Distance where limits are exceeded

FCC ft. 1.19

14.29 Inches

BioInitiative ft. 96.00

1152.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.57	54.25	0.31	68.25	0.20	82.25	0.14
40.50	0.56	54.50	0.31	68.50	0.20	82.50	0.14
40.75	0.56	54.75	0.31	68.75	0.20	82.75	0.14
41.00	0.55	55.00	0.31	69.00	0.19	83.00	0.13
41.25	0.54	55.25	0.30	69.25	0.19	83.25	0.13
41.50	0.54	55.50	0.30	69.50	0.19	83.50	0.13
41.75	0.53	55.75	0.30	69.75	0.19	83.75	0.13
42.00	0.52	56.00	0.29	70.00	0.19	84.00	0.13
42.25	0.52	56.25	0.29	70.25	0.19	84.25	0.13
42.50	0.51	56.50	0.29	70.50	0.19	84.50	0.13
42.75	0.51	56.75	0.29	70.75	0.18	84.75	0.13
43.00	0.50	57.00	0.28	71.00	0.18	85.00	0.13
43.25	0.49	57.25	0.28	71.25	0.18	85.25	0.13
43.50	0.49	57.50	0.28	71.50	0.18	85.50	0.13
43.75	0.48	57.75	0.28	71.75	0.18	85.75	0.13
44.00	0.48	58.00	0.27	72.00	0.18	86.00	0.13
44.25	0.47	58.25	0.27	72.25	0.18	86.25	0.12
44.50	0.47	58.50	0.27	72.50	0.18	86.50	0.12
44.75	0.46	58.75	0.27	72.75	0.17	86.75	0.12
45.00	0.46	59.00	0.27	73.00	0.17	87.00	0.12
45.25	0.45	59.25	0.26	73.25	0.17	87.25	0.12
45.50	0.45	59.50	0.26	73.50	0.17	87.50	0.12
45.75	0.44	59.75	0.26	73.75	0.17	87.75	0.12
46.00	0.44	60.00	0.26	74.00	0.17	88.00	0.12
46.25	0.43	60.25	0.25	74.25	0.17	88.25	0.12
46.50	0.43	60.50	0.25	74.50	0.17	88.50	0.12
46.75	0.42	60.75	0.25	74.75	0.17	88.75	0.12
47.00	0.42	61.00	0.25	75.00	0.16	89.00	0.12
47.25	0.41	61.25	0.25	75.25	0.16	89.25	0.12
47.50	0.41	61.50	0.24	75.50	0.16	89.50	0.12
47.75	0.41	61.75	0.24	75.75	0.16	89.75	0.11
48.00	0.40	62.00	0.24	76.00	0.16	90.00	0.11
48.25	0.40	62.25	0.24	76.25	0.16	90.25	0.11
48.50	0.39	62.50	0.24	76.50	0.16	90.50	0.11
48.75	0.39	62.75	0.23	76.75	0.16	90.75	0.11
49.00	0.39	63.00	0.23	77.00	0.16	91.00	0.11
49.25	0.38	63.25	0.23	77.25	0.15	91.25	0.11
49.50	0.38	63.50	0.23	77.50	0.15	91.50	0.11
49.75	0.37	63.75	0.23	77.75	0.15	91.75	0.11
50.00	0.37	64.00	0.23	78.00	0.15	92.00	0.11
50.25	0.37	64.25	0.22	78.25	0.15	92.25	0.11
50.50	0.36	64.50	0.22	78.50	0.15	92.50	0.11
50.75	0.36	64.75	0.22	78.75	0.15	92.75	0.11
51.00	0.36	65.00	0.22	79.00	0.15	93.00	0.11
51.25	0.35	65.25	0.22	79.25	0.15	93.25	0.11
51.50	0.35	65.50	0.22	79.50	0.15	93.50	0.11
51.75	0.35	65.75	0.21	79.75	0.15	93.75	0.11
52.00	0.34	66.00	0.21	80.00	0.14	94.00	0.10
52.25	0.34	66.25	0.21	80.25	0.14	94.25	0.10
52.50	0.34	66.50	0.21	80.50	0.14	94.50	0.10
52.75	0.33	66.75	0.21	80.75	0.14	94.75	0.10
53.00	0.33	67.00	0.21	81.00	0.14	95.00	0.10
53.25	0.33	67.25	0.20	81.25	0.14	95.25	0.10
53.50	0.32	67.50	0.20	81.50	0.14	95.50	0.10
53.75	0.32	67.75	0.20	81.75	0.14	95.75	0.10
54.00	0.32	68.00	0.20	82.00	0.14	96.00	0.10

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 90% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	15.2 Inches
BioInitiative ft.	1224.0 Inches
1.27	
102.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	8321.15	10.25	9.89	20.25	2.54	30.25	1.14
0.50	3328.46	10.50	9.43	20.50	2.47	30.50	1.12
0.75	1664.23	10.75	9.00	20.75	2.42	30.75	1.10
1.00	978.96	11.00	8.59	21.00	2.36	31.00	1.08
1.25	640.09	11.25	8.21	21.25	2.30	31.25	1.07
1.50	449.79	11.50	7.86	21.50	2.25	31.50	1.05
1.75	332.85	11.75	7.53	21.75	2.20	31.75	1.03
2.00	256.04	12.00	7.22	22.00	2.15	32.00	1.02
2.25	202.95	12.25	6.93	22.25	2.10	32.25	1.00
2.50	164.78	12.50	6.65	22.50	2.05	32.50	0.98
2.75	136.41	12.75	6.40	22.75	2.01	32.75	0.97
3.00	114.77	13.00	6.15	23.00	1.97	33.00	0.96
3.25	97.90	13.25	5.92	23.25	1.92	33.25	0.94
3.50	84.48	13.50	5.71	23.50	1.88	33.50	0.93
3.75	73.64	13.75	5.50	23.75	1.84	33.75	0.91
4.00	64.76	14.00	5.31	24.00	1.81	34.00	0.90
4.25	57.39	14.25	5.12	24.25	1.77	34.25	0.89
4.50	51.21	14.50	4.95	24.50	1.73	34.50	0.87
4.75	45.97	14.75	4.78	24.75	1.70	34.75	0.86
5.00	41.50	15.00	4.62	25.00	1.66	35.00	0.85
5.25	37.65	15.25	4.47	25.25	1.63	35.25	0.84
5.50	34.31	15.50	4.33	25.50	1.60	35.50	0.83
5.75	31.40	15.75	4.19	25.75	1.57	35.75	0.81
6.00	28.84	16.00	4.06	26.00	1.54	36.00	0.80
6.25	26.59	16.25	3.94	26.25	1.51	36.25	0.79
6.50	24.58	16.50	3.82	26.50	1.48	36.50	0.78
6.75	22.80	16.75	3.71	26.75	1.45	36.75	0.77
7.00	21.20	17.00	3.60	27.00	1.43	37.00	0.76
7.25	19.77	17.25	3.49	27.25	1.40	37.25	0.75
7.50	18.47	17.50	3.40	27.50	1.38	37.50	0.74
7.75	17.30	17.75	3.30	27.75	1.35	37.75	0.73
8.00	16.24	18.00	3.21	28.00	1.33	38.00	0.72
8.25	15.27	18.25	3.12	28.25	1.30	38.25	0.71
8.50	14.38	18.50	3.04	28.50	1.28	38.50	0.70
8.75	13.57	18.75	2.96	28.75	1.26	38.75	0.69
9.00	12.83	19.00	2.88	29.00	1.24	39.00	0.68
9.25	12.15	19.25	2.81	29.25	1.22	39.25	0.68
9.50	11.52	19.50	2.73	29.50	1.20	39.50	0.67
9.75	10.93	19.75	2.67	29.75	1.18	39.75	0.66
10.00	10.39	20.00	2.60	30.00	1.16	40.00	0.65

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 90% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 1.27 15.19 Inches
 BioInitiative ft. 102.00 1224.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.64	54.25	0.35	68.25	0.22	82.25	0.15
40.50	0.63	54.50	0.35	68.50	0.22	82.50	0.15
40.75	0.63	54.75	0.35	68.75	0.22	82.75	0.15
41.00	0.62	55.00	0.34	69.00	0.22	83.00	0.15
41.25	0.61	55.25	0.34	69.25	0.22	83.25	0.15
41.50	0.60	55.50	0.34	69.50	0.22	83.50	0.15
41.75	0.60	55.75	0.33	69.75	0.21	83.75	0.15
42.00	0.59	56.00	0.33	70.00	0.21	84.00	0.15
42.25	0.58	56.25	0.33	70.25	0.21	84.25	0.15
42.50	0.58	56.50	0.33	70.50	0.21	84.50	0.15
42.75	0.57	56.75	0.32	70.75	0.21	84.75	0.14
43.00	0.56	57.00	0.32	71.00	0.21	85.00	0.14
43.25	0.56	57.25	0.32	71.25	0.20	85.25	0.14
43.50	0.55	57.50	0.31	71.50	0.20	85.50	0.14
43.75	0.54	57.75	0.31	71.75	0.20	85.75	0.14
44.00	0.54	58.00	0.31	72.00	0.20	86.00	0.14
44.25	0.53	58.25	0.31	72.25	0.20	86.25	0.14
44.50	0.53	58.50	0.30	72.50	0.20	86.50	0.14
44.75	0.52	58.75	0.30	72.75	0.20	86.75	0.14
45.00	0.51	59.00	0.30	73.00	0.20	87.00	0.14
45.25	0.51	59.25	0.30	73.25	0.19	87.25	0.14
45.50	0.50	59.50	0.29	73.50	0.19	87.50	0.14
45.75	0.50	59.75	0.29	73.75	0.19	87.75	0.14
46.00	0.49	60.00	0.29	74.00	0.19	88.00	0.13
46.25	0.49	60.25	0.29	74.25	0.19	88.25	0.13
46.50	0.48	60.50	0.28	74.50	0.19	88.50	0.13
46.75	0.48	60.75	0.28	74.75	0.19	88.75	0.13
47.00	0.47	61.00	0.28	75.00	0.18	89.00	0.13
47.25	0.47	61.25	0.28	75.25	0.18	89.25	0.13
47.50	0.46	61.50	0.28	75.50	0.18	89.50	0.13
47.75	0.46	61.75	0.27	75.75	0.18	89.75	0.13
48.00	0.45	62.00	0.27	76.00	0.18	90.00	0.13
48.25	0.45	62.25	0.27	76.25	0.18	90.25	0.13
48.50	0.44	62.50	0.27	76.50	0.18	90.50	0.13
48.75	0.44	62.75	0.26	76.75	0.18	90.75	0.13
49.00	0.43	63.00	0.26	77.00	0.18	91.00	0.13
49.25	0.43	63.25	0.26	77.25	0.17	91.25	0.12
49.50	0.42	63.50	0.26	77.50	0.17	91.50	0.12
49.75	0.42	63.75	0.26	77.75	0.17	91.75	0.12
50.00	0.42	64.00	0.25	78.00	0.17	92.00	0.12
50.25	0.41	64.25	0.25	78.25	0.17	92.25	0.12
50.50	0.41	64.50	0.25	78.50	0.17	92.50	0.12
50.75	0.40	64.75	0.25	78.75	0.17	92.75	0.12
51.00	0.40	65.00	0.25	79.00	0.17	93.00	0.12
51.25	0.40	65.25	0.24	79.25	0.17	93.25	0.12
51.50	0.39	65.50	0.24	79.50	0.16	93.50	0.12
51.75	0.39	65.75	0.24	79.75	0.16	93.75	0.12
52.00	0.38	66.00	0.24	80.00	0.16	94.00	0.12
52.25	0.38	66.25	0.24	80.25	0.16	94.25	0.12
52.50	0.38	66.50	0.24	80.50	0.16	94.50	0.12
52.75	0.37	66.75	0.23	80.75	0.16	94.75	0.12
53.00	0.37	67.00	0.23	81.00	0.16	95.00	0.12
53.25	0.37	67.25	0.23	81.25	0.16	95.25	0.11
53.50	0.36	67.50	0.23	81.50	0.16	95.50	0.11
53.75	0.36	67.75	0.23	81.75	0.16	95.75	0.11
54.00	0.36	68.00	0.22	82.00	0.15	96.00	0.11

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 60%

Distance where limits are exceeded	
FCC ft.	16.0 Inches
BioInitiative ft.	1287.6 Inches
1.34	
107.30	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	9245.72	10.25	10.99	20.25	2.82	30.25	1.26
0.50	3698.29	10.50	10.48	20.50	2.75	30.50	1.24
0.75	1849.14	10.75	10.00	20.75	2.68	30.75	1.22
1.00	1087.73	11.00	9.55	21.00	2.62	31.00	1.20
1.25	711.21	11.25	9.13	21.25	2.56	31.25	1.18
1.50	499.77	11.50	8.73	21.50	2.50	31.50	1.16
1.75	369.83	11.75	8.37	21.75	2.44	31.75	1.15
2.00	284.48	12.00	8.02	22.00	2.39	32.00	1.13
2.25	225.51	12.25	7.70	22.25	2.33	32.25	1.11
2.50	183.08	12.50	7.39	22.50	2.28	32.50	1.09
2.75	151.57	12.75	7.11	22.75	2.23	32.75	1.08
3.00	127.53	13.00	6.84	23.00	2.18	33.00	1.06
3.25	108.77	13.25	6.58	23.25	2.14	33.25	1.05
3.50	93.87	13.50	6.34	23.50	2.09	33.50	1.03
3.75	81.82	13.75	6.11	23.75	2.05	33.75	1.01
4.00	71.95	14.00	5.89	24.00	2.01	34.00	1.00
4.25	63.76	14.25	5.69	24.25	1.97	34.25	0.99
4.50	56.90	14.50	5.50	24.50	1.93	34.50	0.97
4.75	51.08	14.75	5.31	24.75	1.89	34.75	0.96
5.00	46.11	15.00	5.14	25.00	1.85	35.00	0.94
5.25	41.84	15.25	4.97	25.25	1.81	35.25	0.93
5.50	38.13	15.50	4.81	25.50	1.78	35.50	0.92
5.75	34.89	15.75	4.66	25.75	1.74	35.75	0.90
6.00	32.05	16.00	4.51	26.00	1.71	36.00	0.89
6.25	29.54	16.25	4.38	26.25	1.68	36.25	0.88
6.50	27.31	16.50	4.24	26.50	1.65	36.50	0.87
6.75	25.33	16.75	4.12	26.75	1.61	36.75	0.86
7.00	23.56	17.00	4.00	27.00	1.59	37.00	0.84
7.25	21.96	17.25	3.88	27.25	1.56	37.25	0.83
7.50	20.52	17.50	3.77	27.50	1.53	37.50	0.82
7.75	19.22	17.75	3.67	27.75	1.50	37.75	0.81
8.00	18.04	18.00	3.57	28.00	1.47	38.00	0.80
8.25	16.96	18.25	3.47	28.25	1.45	38.25	0.79
8.50	15.98	18.50	3.38	28.50	1.42	38.50	0.78
8.75	15.08	18.75	3.29	28.75	1.40	38.75	0.77
9.00	14.26	19.00	3.20	29.00	1.37	39.00	0.76
9.25	13.50	19.25	3.12	29.25	1.35	39.25	0.75
9.50	12.80	19.50	3.04	29.50	1.33	39.50	0.74
9.75	12.15	19.75	2.96	29.75	1.31	39.75	0.73
10.00	11.55	20.00	2.89	30.00	1.28	40.00	0.72

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 - 7 SMART Meters – 60% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 100% % Reflection 60%

Distance where limits are exceeded
 FCC ft. 1.34 16.05 Inches
 BioInitiative ft. 107.30 1287.60 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.71	54.25	0.39	68.25	0.25	82.25	0.17
40.50	0.70	54.50	0.39	68.50	0.25	82.50	0.17
40.75	0.70	54.75	0.39	68.75	0.24	82.75	0.17
41.00	0.69	55.00	0.38	69.00	0.24	83.00	0.17
41.25	0.68	55.25	0.38	69.25	0.24	83.25	0.17
41.50	0.67	55.50	0.38	69.50	0.24	83.50	0.17
41.75	0.66	55.75	0.37	69.75	0.24	83.75	0.16
42.00	0.66	56.00	0.37	70.00	0.24	84.00	0.16
42.25	0.65	56.25	0.37	70.25	0.23	84.25	0.16
42.50	0.64	56.50	0.36	70.50	0.23	84.50	0.16
42.75	0.63	56.75	0.36	70.75	0.23	84.75	0.16
43.00	0.63	57.00	0.36	71.00	0.23	85.00	0.16
43.25	0.62	57.25	0.35	71.25	0.23	85.25	0.16
43.50	0.61	57.50	0.35	71.50	0.23	85.50	0.16
43.75	0.60	57.75	0.35	71.75	0.22	85.75	0.16
44.00	0.60	58.00	0.34	72.00	0.22	86.00	0.16
44.25	0.59	58.25	0.34	72.25	0.22	86.25	0.16
44.50	0.58	58.50	0.34	72.50	0.22	86.50	0.15
44.75	0.58	58.75	0.33	72.75	0.22	86.75	0.15
45.00	0.57	59.00	0.33	73.00	0.22	87.00	0.15
45.25	0.56	59.25	0.33	73.25	0.22	87.25	0.15
45.50	0.56	59.50	0.33	73.50	0.21	87.50	0.15
45.75	0.55	59.75	0.32	73.75	0.21	87.75	0.15
46.00	0.55	60.00	0.32	74.00	0.21	88.00	0.15
46.25	0.54	60.25	0.32	74.25	0.21	88.25	0.15
46.50	0.53	60.50	0.32	74.50	0.21	88.50	0.15
46.75	0.53	60.75	0.31	74.75	0.21	88.75	0.15
47.00	0.52	61.00	0.31	75.00	0.21	89.00	0.15
47.25	0.52	61.25	0.31	75.25	0.20	89.25	0.15
47.50	0.51	61.50	0.31	75.50	0.20	89.50	0.14
47.75	0.51	61.75	0.30	75.75	0.20	89.75	0.14
48.00	0.50	62.00	0.30	76.00	0.20	90.00	0.14
48.25	0.50	62.25	0.30	76.25	0.20	90.25	0.14
48.50	0.49	62.50	0.30	76.50	0.20	90.50	0.14
48.75	0.49	62.75	0.29	76.75	0.20	90.75	0.14
49.00	0.48	63.00	0.29	77.00	0.19	91.00	0.14
49.25	0.48	63.25	0.29	77.25	0.19	91.25	0.14
49.50	0.47	63.50	0.29	77.50	0.19	91.50	0.14
49.75	0.47	63.75	0.28	77.75	0.19	91.75	0.14
50.00	0.46	64.00	0.28	78.00	0.19	92.00	0.14
50.25	0.46	64.25	0.28	78.25	0.19	92.25	0.14
50.50	0.45	64.50	0.28	78.50	0.19	92.50	0.14
50.75	0.45	64.75	0.28	78.75	0.19	92.75	0.13
51.00	0.44	65.00	0.27	79.00	0.19	93.00	0.13
51.25	0.44	65.25	0.27	79.25	0.18	93.25	0.13
51.50	0.44	65.50	0.27	79.50	0.18	93.50	0.13
51.75	0.43	65.75	0.27	79.75	0.18	93.75	0.13
52.00	0.43	66.00	0.27	80.00	0.18	94.00	0.13
52.25	0.42	66.25	0.26	80.25	0.18	94.25	0.13
52.50	0.42	66.50	0.26	80.50	0.18	94.50	0.13
52.75	0.42	66.75	0.26	80.75	0.18	94.75	0.13
53.00	0.41	67.00	0.26	81.00	0.18	95.00	0.13
53.25	0.41	67.25	0.26	81.25	0.18	95.25	0.13
53.50	0.40	67.50	0.25	81.50	0.17	95.50	0.13
53.75	0.40	67.75	0.25	81.75	0.17	95.75	0.13
54.00	0.40	68.00	0.25	82.00	0.17	96.00	0.13