

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

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

Distance where limits are exceeded		
FCC ft.	0.17	2.0 Inches
BioInitiative ft.	13.45	161.4 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	144.46	10.25	0.17	20.25	0.04	30.25	0.02
0.50	57.79	10.50	0.16	20.50	0.04	30.50	0.02
0.75	28.89	10.75	0.16	20.75	0.04	30.75	0.02
1.00	17.00	11.00	0.15	21.00	0.04	31.00	0.02
1.25	11.11	11.25	0.14	21.25	0.04	31.25	0.02
1.50	7.81	11.50	0.14	21.50	0.04	31.50	0.02
1.75	5.78	11.75	0.13	21.75	0.04	31.75	0.02
2.00	4.45	12.00	0.13	22.00	0.04	32.00	0.02
2.25	3.52	12.25	0.12	22.25	0.04	32.25	0.02
2.50	2.86	12.50	0.12	22.50	0.04	32.50	0.02
2.75	2.37	12.75	0.11	22.75	0.03	32.75	0.02
3.00	1.99	13.00	0.11	23.00	0.03	33.00	0.02
3.25	1.70	13.25	0.10	23.25	0.03	33.25	0.02
3.50	1.47	13.50	0.10	23.50	0.03	33.50	0.02
3.75	1.28	13.75	0.10	23.75	0.03	33.75	0.02
4.00	1.12	14.00	0.09	24.00	0.03	34.00	0.02
4.25	1.00	14.25	0.09	24.25	0.03	34.25	0.02
4.50	0.89	14.50	0.09	24.50	0.03	34.50	0.02
4.75	0.80	14.75	0.08	24.75	0.03	34.75	0.01
5.00	0.72	15.00	0.08	25.00	0.03	35.00	0.01
5.25	0.65	15.25	0.08	25.25	0.03	35.25	0.01
5.50	0.60	15.50	0.08	25.50	0.03	35.50	0.01
5.75	0.55	15.75	0.07	25.75	0.03	35.75	0.01
6.00	0.50	16.00	0.07	26.00	0.03	36.00	0.01
6.25	0.46	16.25	0.07	26.25	0.03	36.25	0.01
6.50	0.43	16.50	0.07	26.50	0.03	36.50	0.01
6.75	0.40	16.75	0.06	26.75	0.03	36.75	0.01
7.00	0.37	17.00	0.06	27.00	0.02	37.00	0.01
7.25	0.34	17.25	0.06	27.25	0.02	37.25	0.01
7.50	0.32	17.50	0.06	27.50	0.02	37.50	0.01
7.75	0.30	17.75	0.06	27.75	0.02	37.75	0.01
8.00	0.28	18.00	0.06	28.00	0.02	38.00	0.01
8.25	0.27	18.25	0.05	28.25	0.02	38.25	0.01
8.50	0.25	18.50	0.05	28.50	0.02	38.50	0.01
8.75	0.24	18.75	0.05	28.75	0.02	38.75	0.01
9.00	0.22	19.00	0.05	29.00	0.02	39.00	0.01
9.25	0.21	19.25	0.05	29.25	0.02	39.25	0.01
9.50	0.20	19.50	0.05	29.50	0.02	39.50	0.01
9.75	0.19	19.75	0.05	29.75	0.02	39.75	0.01
10.00	0.18	20.00	0.05	30.00	0.02	40.00	0.01

Notes:

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

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

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

Distance where limits are exceeded
 FCC ft. 0.17 2.04 Inches
 BioInitiative ft. 13.45 161.40 Inches

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

Table 14 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	5.7 Inches
BioInitiative ft.	510.0 Inches
0.48	
42.50	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1444.64	10.25	1.72	20.25	0.44	30.25	0.20
0.50	577.86	10.50	1.64	20.50	0.43	30.50	0.19
0.75	288.93	10.75	1.56	20.75	0.42	30.75	0.19
1.00	169.96	11.00	1.49	21.00	0.41	31.00	0.19
1.25	111.13	11.25	1.43	21.25	0.40	31.25	0.18
1.50	78.09	11.50	1.36	21.50	0.39	31.50	0.18
1.75	57.79	11.75	1.31	21.75	0.38	31.75	0.18
2.00	44.45	12.00	1.25	22.00	0.37	32.00	0.18
2.25	35.24	12.25	1.20	22.25	0.36	32.25	0.17
2.50	28.61	12.50	1.16	22.50	0.36	32.50	0.17
2.75	23.68	12.75	1.11	22.75	0.35	32.75	0.17
3.00	19.93	13.00	1.07	23.00	0.34	33.00	0.17
3.25	17.00	13.25	1.03	23.25	0.33	33.25	0.16
3.50	14.67	13.50	0.99	23.50	0.33	33.50	0.16
3.75	12.78	13.75	0.95	23.75	0.32	33.75	0.16
4.00	11.24	14.00	0.92	24.00	0.31	34.00	0.16
4.25	9.96	14.25	0.89	24.25	0.31	34.25	0.15
4.50	8.89	14.50	0.86	24.50	0.30	34.50	0.15
4.75	7.98	14.75	0.83	24.75	0.29	34.75	0.15
5.00	7.21	15.00	0.80	25.00	0.29	35.00	0.15
5.25	6.54	15.25	0.78	25.25	0.28	35.25	0.15
5.50	5.96	15.50	0.75	25.50	0.28	35.50	0.14
5.75	5.45	15.75	0.73	25.75	0.27	35.75	0.14
6.00	5.01	16.00	0.71	26.00	0.27	36.00	0.14
6.25	4.62	16.25	0.68	26.25	0.26	36.25	0.14
6.50	4.27	16.50	0.66	26.50	0.26	36.50	0.14
6.75	3.96	16.75	0.64	26.75	0.25	36.75	0.13
7.00	3.68	17.00	0.62	27.00	0.25	37.00	0.13
7.25	3.43	17.25	0.61	27.25	0.24	37.25	0.13
7.50	3.21	17.50	0.59	27.50	0.24	37.50	0.13
7.75	3.00	17.75	0.57	27.75	0.23	37.75	0.13
8.00	2.82	18.00	0.56	28.00	0.23	38.00	0.13
8.25	2.65	18.25	0.54	28.25	0.23	38.25	0.12
8.50	2.50	18.50	0.53	28.50	0.22	38.50	0.12
8.75	2.36	18.75	0.51	28.75	0.22	38.75	0.12
9.00	2.23	19.00	0.50	29.00	0.21	39.00	0.12
9.25	2.11	19.25	0.49	29.25	0.21	39.25	0.12
9.50	2.00	19.50	0.47	29.50	0.21	39.50	0.12
9.75	1.90	19.75	0.46	29.75	0.20	39.75	0.11
10.00	1.80	20.00	0.45	30.00	0.20	40.00	0.11

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 10% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 0.48 5.71 Inches
 BioInitiative ft. 42.50 510.00 Inches

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

Table 14 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 100%

Distance where limits are exceeded
FCC ft. 0.72 8.6 Inches
BioInitiative ft. 60.00 720.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	2889.29	10.25	3.44	20.25	0.88	30.25	0.39
0.50	1155.72	10.50	3.27	20.50	0.86	30.50	0.39
0.75	577.86	10.75	3.12	20.75	0.84	30.75	0.38
1.00	339.92	11.00	2.98	21.00	0.82	31.00	0.38
1.25	222.25	11.25	2.85	21.25	0.80	31.25	0.37
1.50	156.18	11.50	2.73	21.50	0.78	31.50	0.36
1.75	115.57	11.75	2.61	21.75	0.76	31.75	0.36
2.00	88.90	12.00	2.51	22.00	0.75	32.00	0.35
2.25	70.47	12.25	2.41	22.25	0.73	32.25	0.35
2.50	57.21	12.50	2.31	22.50	0.71	32.50	0.34
2.75	47.37	12.75	2.22	22.75	0.70	32.75	0.34
3.00	39.85	13.00	2.14	23.00	0.68	33.00	0.33
3.25	33.99	13.25	2.06	23.25	0.67	33.25	0.33
3.50	29.33	13.50	1.98	23.50	0.65	33.50	0.32
3.75	25.57	13.75	1.91	23.75	0.64	33.75	0.32
4.00	22.48	14.00	1.84	24.00	0.63	34.00	0.31
4.25	19.93	14.25	1.78	24.25	0.61	34.25	0.31
4.50	17.78	14.50	1.72	24.50	0.60	34.50	0.30
4.75	15.96	14.75	1.66	24.75	0.59	34.75	0.30
5.00	14.41	15.00	1.60	25.00	0.58	35.00	0.29
5.25	13.07	15.25	1.55	25.25	0.57	35.25	0.29
5.50	11.91	15.50	1.50	25.50	0.56	35.50	0.29
5.75	10.90	15.75	1.46	25.75	0.54	35.75	0.28
6.00	10.01	16.00	1.41	26.00	0.53	36.00	0.28
6.25	9.23	16.25	1.37	26.25	0.52	36.25	0.27
6.50	8.54	16.50	1.33	26.50	0.51	36.50	0.27
6.75	7.92	16.75	1.29	26.75	0.50	36.75	0.27
7.00	7.36	17.00	1.25	27.00	0.50	37.00	0.26
7.25	6.86	17.25	1.21	27.25	0.49	37.25	0.26
7.50	6.41	17.50	1.18	27.50	0.48	37.50	0.26
7.75	6.01	17.75	1.15	27.75	0.47	37.75	0.25
8.00	5.64	18.00	1.11	28.00	0.46	38.00	0.25
8.25	5.30	18.25	1.08	28.25	0.45	38.25	0.25
8.50	4.99	18.50	1.06	28.50	0.44	38.50	0.24
8.75	4.71	18.75	1.03	28.75	0.44	38.75	0.24
9.00	4.46	19.00	1.00	29.00	0.43	39.00	0.24
9.25	4.22	19.25	0.97	29.25	0.42	39.25	0.23
9.50	4.00	19.50	0.95	29.50	0.41	39.50	0.23
9.75	3.80	19.75	0.93	29.75	0.41	39.75	0.23
10.00	3.61	20.00	0.90	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

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

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 20% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 0.72 8.62 Inches
 BioInitiative ft. 60.00 720.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.22	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	0.21	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	0.07	83.50	0.05
41.75	0.21	55.75	0.12	69.75	0.07	83.75	0.05
42.00	0.20	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	0.18	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	0.10	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	0.17	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	0.09	75.75	0.06	89.75	0.04
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	0.14	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	0.08	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	0.13	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 14 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 30% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	10.8 Inches
BioInitiative ft.	884.4 Inches
0.90	
73.70	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	4333.93	10.25	5.15	20.25	1.32	30.25	0.59
0.50	1733.57	10.50	4.91	20.50	1.29	30.50	0.58
0.75	866.79	10.75	4.69	20.75	1.26	30.75	0.57
1.00	509.87	11.00	4.47	21.00	1.23	31.00	0.56
1.25	333.38	11.25	4.28	21.25	1.20	31.25	0.55
1.50	234.27	11.50	4.09	21.50	1.17	31.50	0.55
1.75	173.36	11.75	3.92	21.75	1.15	31.75	0.54
2.00	133.35	12.00	3.76	22.00	1.12	32.00	0.53
2.25	105.71	12.25	3.61	22.25	1.09	32.25	0.52
2.50	85.82	12.50	3.47	22.50	1.07	32.50	0.51
2.75	71.05	12.75	3.33	22.75	1.05	32.75	0.51
3.00	59.78	13.00	3.20	23.00	1.02	33.00	0.50
3.25	50.99	13.25	3.08	23.25	1.00	33.25	0.49
3.50	44.00	13.50	2.97	23.50	0.98	33.50	0.48
3.75	38.35	13.75	2.86	23.75	0.96	33.75	0.48
4.00	33.73	14.00	2.76	24.00	0.94	34.00	0.47
4.25	29.89	14.25	2.67	24.25	0.92	34.25	0.46
4.50	26.67	14.50	2.58	24.50	0.90	34.50	0.46
4.75	23.94	14.75	2.49	24.75	0.88	34.75	0.45
5.00	21.62	15.00	2.41	25.00	0.87	35.00	0.44
5.25	19.61	15.25	2.33	25.25	0.85	35.25	0.44
5.50	17.87	15.50	2.25	25.50	0.83	35.50	0.43
5.75	16.35	15.75	2.18	25.75	0.82	35.75	0.42
6.00	15.02	16.00	2.12	26.00	0.80	36.00	0.42
6.25	13.85	16.25	2.05	26.25	0.79	36.25	0.41
6.50	12.80	16.50	1.99	26.50	0.77	36.50	0.41
6.75	11.87	16.75	1.93	26.75	0.76	36.75	0.40
7.00	11.04	17.00	1.87	27.00	0.74	37.00	0.40
7.25	10.29	17.25	1.82	27.25	0.73	37.25	0.39
7.50	9.62	17.50	1.77	27.50	0.72	37.50	0.39
7.75	9.01	17.75	1.72	27.75	0.70	37.75	0.38
8.00	8.46	18.00	1.67	28.00	0.69	38.00	0.38
8.25	7.95	18.25	1.63	28.25	0.68	38.25	0.37
8.50	7.49	18.50	1.58	28.50	0.67	38.50	0.37
8.75	7.07	18.75	1.54	28.75	0.66	38.75	0.36
9.00	6.68	19.00	1.50	29.00	0.64	39.00	0.36
9.25	6.33	19.25	1.46	29.25	0.63	39.25	0.35
9.50	6.00	19.50	1.42	29.50	0.62	39.50	0.35
9.75	5.70	19.75	1.39	29.75	0.61	39.75	0.34
10.00	5.41	20.00	1.35	30.00	0.60	40.00	0.34

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 30% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 0.90 10.77 Inches
 BioInitiative ft. 73.70 884.40 Inches

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

Table 14 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 40% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	12.6 Inches
BioInitiative ft.	1021.2 Inches
1.05	
85.10	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	5778.58	10.25	6.87	20.25	1.76	30.25	0.79
0.50	2311.43	10.50	6.55	20.50	1.72	30.50	0.78
0.75	1155.72	10.75	6.25	20.75	1.68	30.75	0.76
1.00	679.83	11.00	5.97	21.00	1.64	31.00	0.75
1.25	444.51	11.25	5.70	21.25	1.60	31.25	0.74
1.50	312.36	11.50	5.46	21.50	1.56	31.50	0.73
1.75	231.14	11.75	5.23	21.75	1.53	31.75	0.72
2.00	177.80	12.00	5.01	22.00	1.49	32.00	0.71
2.25	140.94	12.25	4.81	22.25	1.46	32.25	0.69
2.50	114.43	12.50	4.62	22.50	1.43	32.50	0.68
2.75	94.73	12.75	4.44	22.75	1.40	32.75	0.67
3.00	79.70	13.00	4.27	23.00	1.37	33.00	0.66
3.25	67.98	13.25	4.11	23.25	1.34	33.25	0.65
3.50	58.67	13.50	3.96	23.50	1.31	33.50	0.64
3.75	51.14	13.75	3.82	23.75	1.28	33.75	0.63
4.00	44.97	14.00	3.68	24.00	1.25	34.00	0.62
4.25	39.85	14.25	3.56	24.25	1.23	34.25	0.62
4.50	35.56	14.50	3.43	24.50	1.20	34.50	0.61
4.75	31.93	14.75	3.32	24.75	1.18	34.75	0.60
5.00	28.82	15.00	3.21	25.00	1.16	35.00	0.59
5.25	26.15	15.25	3.11	25.25	1.13	35.25	0.58
5.50	23.83	15.50	3.01	25.50	1.11	35.50	0.57
5.75	21.81	15.75	2.91	25.75	1.09	35.75	0.57
6.00	20.03	16.00	2.82	26.00	1.07	36.00	0.56
6.25	18.46	16.25	2.73	26.25	1.05	36.25	0.55
6.50	17.07	16.50	2.65	26.50	1.03	36.50	0.54
6.75	15.83	16.75	2.57	26.75	1.01	36.75	0.53
7.00	14.72	17.00	2.50	27.00	0.99	37.00	0.53
7.25	13.73	17.25	2.43	27.25	0.97	37.25	0.52
7.50	12.83	17.50	2.36	27.50	0.96	37.50	0.51
7.75	12.01	17.75	2.29	27.75	0.94	37.75	0.51
8.00	11.28	18.00	2.23	28.00	0.92	38.00	0.50
8.25	10.60	18.25	2.17	28.25	0.91	38.25	0.49
8.50	9.99	18.50	2.11	28.50	0.89	38.50	0.49
8.75	9.43	18.75	2.05	28.75	0.87	38.75	0.48
9.00	8.91	19.00	2.00	29.00	0.86	39.00	0.47
9.25	8.44	19.25	1.95	29.25	0.84	39.25	0.47
9.50	8.00	19.50	1.90	29.50	0.83	39.50	0.46
9.75	7.59	19.75	1.85	29.75	0.82	39.75	0.46
10.00	7.22	20.00	1.81	30.00	0.80	40.00	0.45

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 40% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 1.05 12.55 Inches
 BioInitiative ft. 85.10 1021.20 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.45	54.25	0.25	68.25	0.16	82.25	0.11
40.50	0.44	54.50	0.24	68.50	0.15	82.50	0.11
40.75	0.43	54.75	0.24	68.75	0.15	82.75	0.11
41.00	0.43	55.00	0.24	69.00	0.15	83.00	0.10
41.25	0.42	55.25	0.24	69.25	0.15	83.25	0.10
41.50	0.42	55.50	0.23	69.50	0.15	83.50	0.10
41.75	0.41	55.75	0.23	69.75	0.15	83.75	0.10
42.00	0.41	56.00	0.23	70.00	0.15	84.00	0.10
42.25	0.40	56.25	0.23	70.25	0.15	84.25	0.10
42.50	0.40	56.50	0.23	70.50	0.15	84.50	0.10
42.75	0.40	56.75	0.22	70.75	0.14	84.75	0.10
43.00	0.39	57.00	0.22	71.00	0.14	85.00	0.10
43.25	0.39	57.25	0.22	71.25	0.14	85.25	0.10
43.50	0.38	57.50	0.22	71.50	0.14	85.50	0.10
43.75	0.38	57.75	0.22	71.75	0.14	85.75	0.10
44.00	0.37	58.00	0.21	72.00	0.14	86.00	0.10
44.25	0.37	58.25	0.21	72.25	0.14	86.25	0.10
44.50	0.36	58.50	0.21	72.50	0.14	86.50	0.10
44.75	0.36	58.75	0.21	72.75	0.14	86.75	0.10
45.00	0.36	59.00	0.21	73.00	0.14	87.00	0.10
45.25	0.35	59.25	0.21	73.25	0.13	87.25	0.09
45.50	0.35	59.50	0.20	73.50	0.13	87.50	0.09
45.75	0.35	59.75	0.20	73.75	0.13	87.75	0.09
46.00	0.34	60.00	0.20	74.00	0.13	88.00	0.09
46.25	0.34	60.25	0.20	74.25	0.13	88.25	0.09
46.50	0.33	60.50	0.20	74.50	0.13	88.50	0.09
46.75	0.33	60.75	0.20	74.75	0.13	88.75	0.09
47.00	0.33	61.00	0.19	75.00	0.13	89.00	0.09
47.25	0.32	61.25	0.19	75.25	0.13	89.25	0.09
47.50	0.32	61.50	0.19	75.50	0.13	89.50	0.09
47.75	0.32	61.75	0.19	75.75	0.13	89.75	0.09
48.00	0.31	62.00	0.19	76.00	0.13	90.00	0.09
48.25	0.31	62.25	0.19	76.25	0.12	90.25	0.09
48.50	0.31	62.50	0.18	76.50	0.12	90.50	0.09
48.75	0.30	62.75	0.18	76.75	0.12	90.75	0.09
49.00	0.30	63.00	0.18	77.00	0.12	91.00	0.09
49.25	0.30	63.25	0.18	77.25	0.12	91.25	0.09
49.50	0.29	63.50	0.18	77.50	0.12	91.50	0.09
49.75	0.29	63.75	0.18	77.75	0.12	91.75	0.09
50.00	0.29	64.00	0.18	78.00	0.12	92.00	0.09
50.25	0.29	64.25	0.17	78.25	0.12	92.25	0.08
50.50	0.28	64.50	0.17	78.50	0.12	92.50	0.08
50.75	0.28	64.75	0.17	78.75	0.12	92.75	0.08
51.00	0.28	65.00	0.17	79.00	0.12	93.00	0.08
51.25	0.28	65.25	0.17	79.25	0.12	93.25	0.08
51.50	0.27	65.50	0.17	79.50	0.11	93.50	0.08
51.75	0.27	65.75	0.17	79.75	0.11	93.75	0.08
52.00	0.27	66.00	0.17	80.00	0.11	94.00	0.08
52.25	0.26	66.25	0.16	80.25	0.11	94.25	0.08
52.50	0.26	66.50	0.16	80.50	0.11	94.50	0.08
52.75	0.26	66.75	0.16	80.75	0.11	94.75	0.08
53.00	0.26	67.00	0.16	81.00	0.11	95.00	0.08
53.25	0.25	67.25	0.16	81.25	0.11	95.25	0.08
53.50	0.25	67.50	0.16	81.50	0.11	95.50	0.08
53.75	0.25	67.75	0.16	81.75	0.11	95.75	0.08
54.00	0.25	68.00	0.16	82.00	0.11	96.00	0.08

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	14.1 Inches
BioInitiative ft.	1141.2 Inches
1.18	
95.10	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	7223.22	10.25	8.59	20.25	2.20	30.25	0.99
0.50	2889.29	10.50	8.18	20.50	2.15	30.50	0.97
0.75	1444.64	10.75	7.81	20.75	2.10	30.75	0.95
1.00	849.79	11.00	7.46	21.00	2.05	31.00	0.94
1.25	555.63	11.25	7.13	21.25	2.00	31.25	0.92
1.50	390.44	11.50	6.82	21.50	1.95	31.50	0.91
1.75	288.93	11.75	6.54	21.75	1.91	31.75	0.90
2.00	222.25	12.00	6.27	22.00	1.87	32.00	0.88
2.25	176.18	12.25	6.01	22.25	1.82	32.25	0.87
2.50	143.03	12.50	5.78	22.50	1.78	32.50	0.85
2.75	118.41	12.75	5.55	22.75	1.74	32.75	0.84
3.00	99.63	13.00	5.34	23.00	1.71	33.00	0.83
3.25	84.98	13.25	5.14	23.25	1.67	33.25	0.82
3.50	73.33	13.50	4.95	23.50	1.63	33.50	0.80
3.75	63.92	13.75	4.77	23.75	1.60	33.75	0.79
4.00	56.21	14.00	4.61	24.00	1.57	34.00	0.78
4.25	49.82	14.25	4.45	24.25	1.54	34.25	0.77
4.50	44.45	14.50	4.29	24.50	1.50	34.50	0.76
4.75	39.91	14.75	4.15	24.75	1.47	34.75	0.75
5.00	36.03	15.00	4.01	25.00	1.44	35.00	0.74
5.25	32.68	15.25	3.88	25.25	1.42	35.25	0.73
5.50	29.79	15.50	3.76	25.50	1.39	35.50	0.72
5.75	27.26	15.75	3.64	25.75	1.36	35.75	0.71
6.00	25.04	16.00	3.53	26.00	1.34	36.00	0.70
6.25	23.08	16.25	3.42	26.25	1.31	36.25	0.69
6.50	21.34	16.50	3.32	26.50	1.29	36.50	0.68
6.75	19.79	16.75	3.22	26.75	1.26	36.75	0.67
7.00	18.40	17.00	3.12	27.00	1.24	37.00	0.66
7.25	17.16	17.25	3.03	27.25	1.22	37.25	0.65
7.50	16.03	17.50	2.95	27.50	1.19	37.50	0.64
7.75	15.02	17.75	2.87	27.75	1.17	37.75	0.63
8.00	14.09	18.00	2.79	28.00	1.15	38.00	0.63
8.25	13.25	18.25	2.71	28.25	1.13	38.25	0.62
8.50	12.49	18.50	2.64	28.50	1.11	38.50	0.61
8.75	11.78	18.75	2.57	28.75	1.09	38.75	0.60
9.00	11.14	19.00	2.50	29.00	1.07	39.00	0.59
9.25	10.54	19.25	2.44	29.25	1.06	39.25	0.59
9.50	10.00	19.50	2.37	29.50	1.04	39.50	0.58
9.75	9.49	19.75	2.31	29.75	1.02	39.75	0.57
10.00	9.02	20.00	2.26	30.00	1.00	40.00	0.56

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 50% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 1.18 14.11 Inches
 BioInitiative ft. 95.10 1141.20 Inches

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

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

Distance where limits are exceeded			
FCC ft.	1.29	15.5 Inches	
BioInitiative ft.	104.00	1248.0 Inches	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	8667.86	10.25	10.31	20.25	2.64	30.25	1.18
0.50	3467.15	10.50	9.82	20.50	2.58	30.50	1.16
0.75	1733.57	10.75	9.37	20.75	2.52	30.75	1.15
1.00	1019.75	11.00	8.95	21.00	2.46	31.00	1.13
1.25	666.76	11.25	8.56	21.25	2.40	31.25	1.11
1.50	468.53	11.50	8.19	21.50	2.34	31.50	1.09
1.75	346.71	11.75	7.84	21.75	2.29	31.75	1.07
2.00	266.70	12.00	7.52	22.00	2.24	32.00	1.06
2.25	211.41	12.25	7.22	22.25	2.19	32.25	1.04
2.50	171.64	12.50	6.93	22.50	2.14	32.50	1.03
2.75	142.10	12.75	6.66	22.75	2.09	32.75	1.01
3.00	119.56	13.00	6.41	23.00	2.05	33.00	0.99
3.25	101.97	13.25	6.17	23.25	2.00	33.25	0.98
3.50	88.00	13.50	5.94	23.50	1.96	33.50	0.97
3.75	76.71	13.75	5.73	23.75	1.92	33.75	0.95
4.00	67.45	14.00	5.53	24.00	1.88	34.00	0.94
4.25	59.78	14.25	5.33	24.25	1.84	34.25	0.92
4.50	53.34	14.50	5.15	24.50	1.80	34.50	0.91
4.75	47.89	14.75	4.98	24.75	1.77	34.75	0.90
5.00	43.23	15.00	4.81	25.00	1.73	35.00	0.88
5.25	39.22	15.25	4.66	25.25	1.70	35.25	0.87
5.50	35.74	15.50	4.51	25.50	1.67	35.50	0.86
5.75	32.71	15.75	4.37	25.75	1.63	35.75	0.85
6.00	30.04	16.00	4.23	26.00	1.60	36.00	0.84
6.25	27.69	16.25	4.10	26.25	1.57	36.25	0.82
6.50	25.61	16.50	3.98	26.50	1.54	36.50	0.81
6.75	23.75	16.75	3.86	26.75	1.51	36.75	0.80
7.00	22.08	17.00	3.75	27.00	1.49	37.00	0.79
7.25	20.59	17.25	3.64	27.25	1.46	37.25	0.78
7.50	19.24	17.50	3.54	27.50	1.43	37.50	0.77
7.75	18.02	17.75	3.44	27.75	1.41	37.75	0.76
8.00	16.91	18.00	3.34	28.00	1.38	38.00	0.75
8.25	15.90	18.25	3.25	28.25	1.36	38.25	0.74
8.50	14.98	18.50	3.17	28.50	1.33	38.50	0.73
8.75	14.14	18.75	3.08	28.75	1.31	38.75	0.72
9.00	13.37	19.00	3.00	29.00	1.29	39.00	0.71
9.25	12.65	19.25	2.92	29.25	1.27	39.25	0.70
9.50	12.00	19.50	2.85	29.50	1.24	39.50	0.69
9.75	11.39	19.75	2.78	29.75	1.22	39.75	0.69
10.00	10.83	20.00	2.71	30.00	1.20	40.00	0.68

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 – 100% reflections)

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

Distance where limits are exceeded
 FCC ft. 1.29 15.52 Inches
 BioInitiative ft. 104.00 1248.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.67	54.25	0.37	68.25	0.23	82.25	0.16
40.50	0.66	54.50	0.36	68.50	0.23	82.50	0.16
40.75	0.65	54.75	0.36	68.75	0.23	82.75	0.16
41.00	0.64	55.00	0.36	69.00	0.23	83.00	0.16
41.25	0.64	55.25	0.35	69.25	0.23	83.25	0.16
41.50	0.63	55.50	0.35	69.50	0.22	83.50	0.16
41.75	0.62	55.75	0.35	69.75	0.22	83.75	0.15
42.00	0.61	56.00	0.35	70.00	0.22	84.00	0.15
42.25	0.61	56.25	0.34	70.25	0.22	84.25	0.15
42.50	0.60	56.50	0.34	70.50	0.22	84.50	0.15
42.75	0.59	56.75	0.34	70.75	0.22	84.75	0.15
43.00	0.59	57.00	0.33	71.00	0.21	85.00	0.15
43.25	0.58	57.25	0.33	71.25	0.21	85.25	0.15
43.50	0.57	57.50	0.33	71.50	0.21	85.50	0.15
43.75	0.57	57.75	0.32	71.75	0.21	85.75	0.15
44.00	0.56	58.00	0.32	72.00	0.21	86.00	0.15
44.25	0.55	58.25	0.32	72.25	0.21	86.25	0.15
44.50	0.55	58.50	0.32	72.50	0.21	86.50	0.14
44.75	0.54	58.75	0.31	72.75	0.20	86.75	0.14
45.00	0.54	59.00	0.31	73.00	0.20	87.00	0.14
45.25	0.53	59.25	0.31	73.25	0.20	87.25	0.14
45.50	0.52	59.50	0.31	73.50	0.20	87.50	0.14
45.75	0.52	59.75	0.30	73.75	0.20	87.75	0.14
46.00	0.51	60.00	0.30	74.00	0.20	88.00	0.14
46.25	0.51	60.25	0.30	74.25	0.20	88.25	0.14
46.50	0.50	60.50	0.30	74.50	0.20	88.50	0.14
46.75	0.50	60.75	0.29	74.75	0.19	88.75	0.14
47.00	0.49	61.00	0.29	75.00	0.19	89.00	0.14
47.25	0.49	61.25	0.29	75.25	0.19	89.25	0.14
47.50	0.48	61.50	0.29	75.50	0.19	89.50	0.14
47.75	0.48	61.75	0.28	75.75	0.19	89.75	0.13
48.00	0.47	62.00	0.28	76.00	0.19	90.00	0.13
48.25	0.47	62.25	0.28	76.25	0.19	90.25	0.13
48.50	0.46	62.50	0.28	76.50	0.19	90.50	0.13
48.75	0.46	62.75	0.28	76.75	0.18	90.75	0.13
49.00	0.45	63.00	0.27	77.00	0.18	91.00	0.13
49.25	0.45	63.25	0.27	77.25	0.18	91.25	0.13
49.50	0.44	63.50	0.27	77.50	0.18	91.50	0.13
49.75	0.44	63.75	0.27	77.75	0.18	91.75	0.13
50.00	0.43	64.00	0.26	78.00	0.18	92.00	0.13
50.25	0.43	64.25	0.26	78.25	0.18	92.25	0.13
50.50	0.42	64.50	0.26	78.50	0.18	92.50	0.13
50.75	0.42	64.75	0.26	78.75	0.17	92.75	0.13
51.00	0.42	65.00	0.26	79.00	0.17	93.00	0.13
51.25	0.41	65.25	0.25	79.25	0.17	93.25	0.12
51.50	0.41	65.50	0.25	79.50	0.17	93.50	0.12
51.75	0.40	65.75	0.25	79.75	0.17	93.75	0.12
52.00	0.40	66.00	0.25	80.00	0.17	94.00	0.12
52.25	0.40	66.25	0.25	80.25	0.17	94.25	0.12
52.50	0.39	66.50	0.25	80.50	0.17	94.50	0.12
52.75	0.39	66.75	0.24	80.75	0.17	94.75	0.12
53.00	0.39	67.00	0.24	81.00	0.17	95.00	0.12
53.25	0.38	67.25	0.24	81.25	0.16	95.25	0.12
53.50	0.38	67.50	0.24	81.50	0.16	95.50	0.12
53.75	0.38	67.75	0.24	81.75	0.16	95.75	0.12
54.00	0.37	68.00	0.23	82.00	0.16	96.00	0.12

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	16.8 Inches
BioInitiative ft.	1351.2 Inches
1.40	
112.60	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	10112.51	10.25	12.02	20.25	3.08	30.25	1.38
0.50	4045.00	10.50	11.46	20.50	3.01	30.50	1.36
0.75	2022.50	10.75	10.93	20.75	2.94	30.75	1.34
1.00	1189.71	11.00	10.44	21.00	2.87	31.00	1.32
1.25	777.89	11.25	9.98	21.25	2.80	31.25	1.29
1.50	546.62	11.50	9.55	21.50	2.73	31.50	1.27
1.75	404.50	11.75	9.15	21.75	2.67	31.75	1.25
2.00	311.15	12.00	8.77	22.00	2.61	32.00	1.23
2.25	246.65	12.25	8.42	22.25	2.55	32.25	1.22
2.50	200.25	12.50	8.09	22.50	2.50	32.50	1.20
2.75	165.78	12.75	7.77	22.75	2.44	32.75	1.18
3.00	139.48	13.00	7.48	23.00	2.39	33.00	1.16
3.25	118.97	13.25	7.20	23.25	2.34	33.25	1.14
3.50	102.67	13.50	6.93	23.50	2.29	33.50	1.13
3.75	89.49	13.75	6.68	23.75	2.24	33.75	1.11
4.00	78.70	14.00	6.45	24.00	2.19	34.00	1.09
4.25	69.74	14.25	6.22	24.25	2.15	34.25	1.08
4.50	62.23	14.50	6.01	24.50	2.11	34.50	1.06
4.75	55.87	14.75	5.81	24.75	2.06	34.75	1.05
5.00	50.44	15.00	5.62	25.00	2.02	35.00	1.03
5.25	45.76	15.25	5.43	25.25	1.98	35.25	1.02
5.50	41.70	15.50	5.26	25.50	1.94	35.50	1.00
5.75	38.16	15.75	5.09	25.75	1.91	35.75	0.99
6.00	35.05	16.00	4.94	26.00	1.87	36.00	0.98
6.25	32.31	16.25	4.79	26.25	1.83	36.25	0.96
6.50	29.87	16.50	4.64	26.50	1.80	36.50	0.95
6.75	27.71	16.75	4.50	26.75	1.77	36.75	0.94
7.00	25.76	17.00	4.37	27.00	1.73	37.00	0.92
7.25	24.02	17.25	4.25	27.25	1.70	37.25	0.91
7.50	22.45	17.50	4.13	27.50	1.67	37.50	0.90
7.75	21.02	17.75	4.01	27.75	1.64	37.75	0.89
8.00	19.73	18.00	3.90	28.00	1.61	38.00	0.88
8.25	18.56	18.25	3.79	28.25	1.58	38.25	0.86
8.50	17.48	18.50	3.69	28.50	1.56	38.50	0.85
8.75	16.50	18.75	3.59	28.75	1.53	38.75	0.84
9.00	15.59	19.00	3.50	29.00	1.50	39.00	0.83
9.25	14.76	19.25	3.41	29.25	1.48	39.25	0.82
9.50	14.00	19.50	3.32	29.50	1.45	39.50	0.81
9.75	13.29	19.75	3.24	29.75	1.43	39.75	0.80
10.00	12.63	20.00	3.16	30.00	1.40	40.00	0.79

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 70% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 1.40 16.81 Inches
 BioInitiative ft. 112.60 1351.20 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.78	54.25	0.43	68.25	0.27	82.25	0.19
40.50	0.77	54.50	0.43	68.50	0.27	82.50	0.19
40.75	0.76	54.75	0.42	68.75	0.27	82.75	0.18
41.00	0.75	55.00	0.42	69.00	0.27	83.00	0.18
41.25	0.74	55.25	0.41	69.25	0.26	83.25	0.18
41.50	0.73	55.50	0.41	69.50	0.26	83.50	0.18
41.75	0.73	55.75	0.41	69.75	0.26	83.75	0.18
42.00	0.72	56.00	0.40	70.00	0.26	84.00	0.18
42.25	0.71	56.25	0.40	70.25	0.26	84.25	0.18
42.50	0.70	56.50	0.40	70.50	0.25	84.50	0.18
42.75	0.69	56.75	0.39	70.75	0.25	84.75	0.18
43.00	0.68	57.00	0.39	71.00	0.25	85.00	0.17
43.25	0.68	57.25	0.39	71.25	0.25	85.25	0.17
43.50	0.67	57.50	0.38	71.50	0.25	85.50	0.17
43.75	0.66	57.75	0.38	71.75	0.25	85.75	0.17
44.00	0.65	58.00	0.38	72.00	0.24	86.00	0.17
44.25	0.65	58.25	0.37	72.25	0.24	86.25	0.17
44.50	0.64	58.50	0.37	72.50	0.24	86.50	0.17
44.75	0.63	58.75	0.37	72.75	0.24	86.75	0.17
45.00	0.62	59.00	0.36	73.00	0.24	87.00	0.17
45.25	0.62	59.25	0.36	73.25	0.24	87.25	0.17
45.50	0.61	59.50	0.36	73.50	0.23	87.50	0.17
45.75	0.60	59.75	0.35	73.75	0.23	87.75	0.16
46.00	0.60	60.00	0.35	74.00	0.23	88.00	0.16
46.25	0.59	60.25	0.35	74.25	0.23	88.25	0.16
46.50	0.58	60.50	0.35	74.50	0.23	88.50	0.16
46.75	0.58	60.75	0.34	74.75	0.23	88.75	0.16
47.00	0.57	61.00	0.34	75.00	0.22	89.00	0.16
47.25	0.57	61.25	0.34	75.25	0.22	89.25	0.16
47.50	0.56	61.50	0.33	75.50	0.22	89.50	0.16
47.75	0.55	61.75	0.33	75.75	0.22	89.75	0.16
48.00	0.55	62.00	0.33	76.00	0.22	90.00	0.16
48.25	0.54	62.25	0.33	76.25	0.22	90.25	0.16
48.50	0.54	62.50	0.32	76.50	0.22	90.50	0.15
48.75	0.53	62.75	0.32	76.75	0.21	90.75	0.15
49.00	0.53	63.00	0.32	77.00	0.21	91.00	0.15
49.25	0.52	63.25	0.32	77.25	0.21	91.25	0.15
49.50	0.52	63.50	0.31	77.50	0.21	91.50	0.15
49.75	0.51	63.75	0.31	77.75	0.21	91.75	0.15
50.00	0.51	64.00	0.31	78.00	0.21	92.00	0.15
50.25	0.50	64.25	0.31	78.25	0.21	92.25	0.15
50.50	0.50	64.50	0.30	78.50	0.21	92.50	0.15
50.75	0.49	64.75	0.30	78.75	0.20	92.75	0.15
51.00	0.49	65.00	0.30	79.00	0.20	93.00	0.15
51.25	0.48	65.25	0.30	79.25	0.20	93.25	0.15
51.50	0.48	65.50	0.29	79.50	0.20	93.50	0.14
51.75	0.47	65.75	0.29	79.75	0.20	93.75	0.14
52.00	0.47	66.00	0.29	80.00	0.20	94.00	0.14
52.25	0.46	66.25	0.29	80.25	0.20	94.25	0.14
52.50	0.46	66.50	0.29	80.50	0.20	94.50	0.14
52.75	0.45	66.75	0.28	80.75	0.19	94.75	0.14
53.00	0.45	67.00	0.28	81.00	0.19	95.00	0.14
53.25	0.45	67.25	0.28	81.25	0.19	95.25	0.14
53.50	0.44	67.50	0.28	81.50	0.19	95.50	0.14
53.75	0.44	67.75	0.28	81.75	0.19	95.75	0.14
54.00	0.43	68.00	0.27	82.00	0.19	96.00	0.14

Table 14 – 70%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 80% % Reflection 100%

Distance where limits are exceeded			
FCC ft.	1.50	18.0 Inches	
BioInitiative ft.	120.00	1440.0 Inches	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	11557.15	10.25	13.74	20.25	3.52	30.25	1.58
0.50	4622.86	10.50	13.10	20.50	3.44	30.50	1.55
0.75	2311.43	10.75	12.49	20.75	3.35	30.75	1.53
1.00	1359.66	11.00	11.93	21.00	3.28	31.00	1.50
1.25	889.01	11.25	11.41	21.25	3.20	31.25	1.48
1.50	624.71	11.50	10.92	21.50	3.12	31.50	1.46
1.75	462.29	11.75	10.46	21.75	3.05	31.75	1.43
2.00	355.60	12.00	10.03	22.00	2.98	32.00	1.41
2.25	281.88	12.25	9.62	22.25	2.92	32.25	1.39
2.50	228.85	12.50	9.24	22.50	2.85	32.50	1.37
2.75	189.46	12.75	8.88	22.75	2.79	32.75	1.35
3.00	159.41	13.00	8.55	23.00	2.73	33.00	1.33
3.25	135.97	13.25	8.23	23.25	2.67	33.25	1.31
3.50	117.33	13.50	7.92	23.50	2.62	33.50	1.29
3.75	102.28	13.75	7.64	23.75	2.56	33.75	1.27
4.00	89.94	14.00	7.37	24.00	2.51	34.00	1.25
4.25	79.70	14.25	7.11	24.25	2.46	34.25	1.23
4.50	71.12	14.50	6.87	24.50	2.41	34.50	1.21
4.75	63.85	14.75	6.64	24.75	2.36	34.75	1.20
5.00	57.64	15.00	6.42	25.00	2.31	35.00	1.18
5.25	52.29	15.25	6.21	25.25	2.27	35.25	1.16
5.50	47.66	15.50	6.01	25.50	2.22	35.50	1.15
5.75	43.61	15.75	5.82	25.75	2.18	35.75	1.13
6.00	40.06	16.00	5.64	26.00	2.14	36.00	1.11
6.25	36.92	16.25	5.47	26.25	2.10	36.25	1.10
6.50	34.14	16.50	5.31	26.50	2.06	36.50	1.08
6.75	31.66	16.75	5.15	26.75	2.02	36.75	1.07
7.00	29.44	17.00	5.00	27.00	1.98	37.00	1.06
7.25	27.45	17.25	4.85	27.25	1.95	37.25	1.04
7.50	25.65	17.50	4.72	27.50	1.91	37.50	1.03
7.75	24.03	17.75	4.58	27.75	1.88	37.75	1.01
8.00	22.55	18.00	4.46	28.00	1.84	38.00	1.00
8.25	21.21	18.25	4.34	28.25	1.81	38.25	0.99
8.50	19.98	18.50	4.22	28.50	1.78	38.50	0.97
8.75	18.85	18.75	4.11	28.75	1.75	38.75	0.96
9.00	17.82	19.00	4.00	29.00	1.72	39.00	0.95
9.25	16.87	19.25	3.90	29.25	1.69	39.25	0.94
9.50	16.00	19.50	3.80	29.50	1.66	39.50	0.93
9.75	15.19	19.75	3.70	29.75	1.63	39.75	0.91
10.00	14.44	20.00	3.61	30.00	1.61	40.00	0.90

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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 80% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 1.50 18.00 Inches
 BioInitiative ft. 120.00 1440.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.89	54.25	0.49	68.25	0.31	82.25	0.21
40.50	0.88	54.50	0.49	68.50	0.31	82.50	0.21
40.75	0.87	54.75	0.48	68.75	0.31	82.75	0.21
41.00	0.86	55.00	0.48	69.00	0.30	83.00	0.21
41.25	0.85	55.25	0.47	69.25	0.30	83.25	0.21
41.50	0.84	55.50	0.47	69.50	0.30	83.50	0.21
41.75	0.83	55.75	0.46	69.75	0.30	83.75	0.21
42.00	0.82	56.00	0.46	70.00	0.29	84.00	0.20
42.25	0.81	56.25	0.46	70.25	0.29	84.25	0.20
42.50	0.80	56.50	0.45	70.50	0.29	84.50	0.20
42.75	0.79	56.75	0.45	70.75	0.29	84.75	0.20
43.00	0.78	57.00	0.44	71.00	0.29	85.00	0.20
43.25	0.77	57.25	0.44	71.25	0.28	85.25	0.20
43.50	0.76	57.50	0.44	71.50	0.28	85.50	0.20
43.75	0.75	57.75	0.43	71.75	0.28	85.75	0.20
44.00	0.75	58.00	0.43	72.00	0.28	86.00	0.20
44.25	0.74	58.25	0.43	72.25	0.28	86.25	0.19
44.50	0.73	58.50	0.42	72.50	0.27	86.50	0.19
44.75	0.72	58.75	0.42	72.75	0.27	86.75	0.19
45.00	0.71	59.00	0.42	73.00	0.27	87.00	0.19
45.25	0.71	59.25	0.41	73.25	0.27	87.25	0.19
45.50	0.70	59.50	0.41	73.50	0.27	87.50	0.19
45.75	0.69	59.75	0.40	73.75	0.27	87.75	0.19
46.00	0.68	60.00	0.40	74.00	0.26	88.00	0.19
46.25	0.68	60.25	0.40	74.25	0.26	88.25	0.19
46.50	0.67	60.50	0.39	74.50	0.26	88.50	0.18
46.75	0.66	60.75	0.39	74.75	0.26	88.75	0.18
47.00	0.65	61.00	0.39	75.00	0.26	89.00	0.18
47.25	0.65	61.25	0.39	75.25	0.26	89.25	0.18
47.50	0.64	61.50	0.38	75.50	0.25	89.50	0.18
47.75	0.63	61.75	0.38	75.75	0.25	89.75	0.18
48.00	0.63	62.00	0.38	76.00	0.25	90.00	0.18
48.25	0.62	62.25	0.37	76.25	0.25	90.25	0.18
48.50	0.61	62.50	0.37	76.50	0.25	90.50	0.18
48.75	0.61	62.75	0.37	76.75	0.25	90.75	0.18
49.00	0.60	63.00	0.36	77.00	0.24	91.00	0.17
49.25	0.60	63.25	0.36	77.25	0.24	91.25	0.17
49.50	0.59	63.50	0.36	77.50	0.24	91.50	0.17
49.75	0.58	63.75	0.36	77.75	0.24	91.75	0.17
50.00	0.58	64.00	0.35	78.00	0.24	92.00	0.17
50.25	0.57	64.25	0.35	78.25	0.24	92.25	0.17
50.50	0.57	64.50	0.35	78.50	0.23	92.50	0.17
50.75	0.56	64.75	0.34	78.75	0.23	92.75	0.17
51.00	0.56	65.00	0.34	79.00	0.23	93.00	0.17
51.25	0.55	65.25	0.34	79.25	0.23	93.25	0.17
51.50	0.54	65.50	0.34	79.50	0.23	93.50	0.17
51.75	0.54	65.75	0.33	79.75	0.23	93.75	0.16
52.00	0.53	66.00	0.33	80.00	0.23	94.00	0.16
52.25	0.53	66.25	0.33	80.25	0.22	94.25	0.16
52.50	0.52	66.50	0.33	80.50	0.22	94.50	0.16
52.75	0.52	66.75	0.32	80.75	0.22	94.75	0.16
53.00	0.51	67.00	0.32	81.00	0.22	95.00	0.16
53.25	0.51	67.25	0.32	81.25	0.22	95.25	0.16
53.50	0.50	67.50	0.32	81.50	0.22	95.50	0.16
53.75	0.50	67.75	0.31	81.75	0.22	95.75	0.16
54.00	0.50	68.00	0.31	82.00	0.21	96.00	0.16

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 90% % Reflection 100%

Distance where limits are exceeded	
FCC ft.	1.59 19.1 Inches
BioInitiative ft.	127.80 1533.6 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	13001.79	10.25	15.46	20.25	3.96	30.25	1.78
0.50	5200.72	10.50	14.73	20.50	3.87	30.50	1.75
0.75	2600.36	10.75	14.06	20.75	3.77	30.75	1.72
1.00	1529.62	11.00	13.42	21.00	3.68	31.00	1.69
1.25	1000.14	11.25	12.83	21.25	3.60	31.25	1.66
1.50	702.80	11.50	12.28	21.50	3.52	31.50	1.64
1.75	520.07	11.75	11.77	21.75	3.44	31.75	1.61
2.00	400.06	12.00	11.28	22.00	3.36	32.00	1.59
2.25	317.12	12.25	10.83	22.25	3.28	32.25	1.56
2.50	257.46	12.50	10.40	22.50	3.21	32.50	1.54
2.75	213.14	12.75	9.99	22.75	3.14	32.75	1.52
3.00	179.34	13.00	9.61	23.00	3.07	33.00	1.49
3.25	152.96	13.25	9.25	23.25	3.01	33.25	1.47
3.50	132.00	13.50	8.91	23.50	2.94	33.50	1.45
3.75	115.06	13.75	8.59	23.75	2.88	33.75	1.43
4.00	101.18	14.00	8.29	24.00	2.82	34.00	1.41
4.25	89.67	14.25	8.00	24.25	2.76	34.25	1.39
4.50	80.01	14.50	7.73	24.50	2.71	34.50	1.37
4.75	71.83	14.75	7.47	24.75	2.65	34.75	1.35
5.00	64.85	15.00	7.22	25.00	2.60	35.00	1.33
5.25	58.83	15.25	6.99	25.25	2.55	35.25	1.31
5.50	53.62	15.50	6.76	25.50	2.50	35.50	1.29
5.75	49.06	15.75	6.55	25.75	2.45	35.75	1.27
6.00	45.07	16.00	6.35	26.00	2.40	36.00	1.25
6.25	41.54	16.25	6.15	26.25	2.36	36.25	1.24
6.50	38.41	16.50	5.97	26.50	2.31	36.50	1.22
6.75	35.62	16.75	5.79	26.75	2.27	36.75	1.20
7.00	33.13	17.00	5.62	27.00	2.23	37.00	1.19
7.25	30.88	17.25	5.46	27.25	2.19	37.25	1.17
7.50	28.86	17.50	5.31	27.50	2.15	37.50	1.16
7.75	27.03	17.75	5.16	27.75	2.11	37.75	1.14
8.00	25.37	18.00	5.02	28.00	2.07	38.00	1.13
8.25	23.86	18.25	4.88	28.25	2.04	38.25	1.11
8.50	22.48	18.50	4.75	28.50	2.00	38.50	1.10
8.75	21.21	18.75	4.62	28.75	1.97	38.75	1.08
9.00	20.05	19.00	4.50	29.00	1.93	39.00	1.07
9.25	18.98	19.25	4.39	29.25	1.90	39.25	1.05
9.50	18.00	19.50	4.27	29.50	1.87	39.50	1.04
9.75	17.09	19.75	4.17	29.75	1.84	39.75	1.03
10.00	16.24	20.00	4.06	30.00	1.81	40.00	1.02

Notes:

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

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - S = Power Density uW/cm²
 - EIRP = 1.64 * ERP
 - 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 – 100% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 90% % Reflection 100%

Distance where limits are exceeded
 FCC ft. 1.59 19.12 Inches
 BioInitiative ft. 127.80 1533.60 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	1.00	54.25	0.55	68.25	0.35	82.25	0.24
40.50	0.99	54.50	0.55	68.50	0.35	82.50	0.24
40.75	0.98	54.75	0.54	68.75	0.34	82.75	0.24
41.00	0.97	55.00	0.54	69.00	0.34	83.00	0.24
41.25	0.96	55.25	0.53	69.25	0.34	83.25	0.23
41.50	0.94	55.50	0.53	69.50	0.34	83.50	0.23
41.75	0.93	55.75	0.52	69.75	0.33	83.75	0.23
42.00	0.92	56.00	0.52	70.00	0.33	84.00	0.23
42.25	0.91	56.25	0.51	70.25	0.33	84.25	0.23
42.50	0.90	56.50	0.51	70.50	0.33	84.50	0.23
42.75	0.89	56.75	0.50	70.75	0.32	84.75	0.23
43.00	0.88	57.00	0.50	71.00	0.32	85.00	0.22
43.25	0.87	57.25	0.50	71.25	0.32	85.25	0.22
43.50	0.86	57.50	0.49	71.50	0.32	85.50	0.22
43.75	0.85	57.75	0.49	71.75	0.32	85.75	0.22
44.00	0.84	58.00	0.48	72.00	0.31	86.00	0.22
44.25	0.83	58.25	0.48	72.25	0.31	86.25	0.22
44.50	0.82	58.50	0.47	72.50	0.31	86.50	0.22
44.75	0.81	58.75	0.47	72.75	0.31	86.75	0.22
45.00	0.80	59.00	0.47	73.00	0.30	87.00	0.21
45.25	0.79	59.25	0.46	73.25	0.30	87.25	0.21
45.50	0.79	59.50	0.46	73.50	0.30	87.50	0.21
45.75	0.78	59.75	0.46	73.75	0.30	87.75	0.21
46.00	0.77	60.00	0.45	74.00	0.30	88.00	0.21
46.25	0.76	60.25	0.45	74.25	0.29	88.25	0.21
46.50	0.75	60.50	0.44	74.50	0.29	88.50	0.21
46.75	0.74	60.75	0.44	74.75	0.29	88.75	0.21
47.00	0.74	61.00	0.44	75.00	0.29	89.00	0.21
47.25	0.73	61.25	0.43	75.25	0.29	89.25	0.20
47.50	0.72	61.50	0.43	75.50	0.29	89.50	0.20
47.75	0.71	61.75	0.43	75.75	0.28	89.75	0.20
48.00	0.71	62.00	0.42	76.00	0.28	90.00	0.20
48.25	0.70	62.25	0.42	76.25	0.28	90.25	0.20
48.50	0.69	62.50	0.42	76.50	0.28	90.50	0.20
48.75	0.68	62.75	0.41	76.75	0.28	90.75	0.20
49.00	0.68	63.00	0.41	77.00	0.27	91.00	0.20
49.25	0.67	63.25	0.41	77.25	0.27	91.25	0.20
49.50	0.66	63.50	0.40	77.50	0.27	91.50	0.19
49.75	0.66	63.75	0.40	77.75	0.27	91.75	0.19
50.00	0.65	64.00	0.40	78.00	0.27	92.00	0.19
50.25	0.64	64.25	0.39	78.25	0.27	92.25	0.19
50.50	0.64	64.50	0.39	78.50	0.26	92.50	0.19
50.75	0.63	64.75	0.39	78.75	0.26	92.75	0.19
51.00	0.62	65.00	0.38	79.00	0.26	93.00	0.19
51.25	0.62	65.25	0.38	79.25	0.26	93.25	0.19
51.50	0.61	65.50	0.38	79.50	0.26	93.50	0.19
51.75	0.61	65.75	0.38	79.75	0.26	93.75	0.18
52.00	0.60	66.00	0.37	80.00	0.25	94.00	0.18
52.25	0.60	66.25	0.37	80.25	0.25	94.25	0.18
52.50	0.59	66.50	0.37	80.50	0.25	94.50	0.18
52.75	0.58	66.75	0.36	80.75	0.25	94.75	0.18
53.00	0.58	67.00	0.36	81.00	0.25	95.00	0.18
53.25	0.57	67.25	0.36	81.25	0.25	95.25	0.18
53.50	0.57	67.50	0.36	81.50	0.24	95.50	0.18
53.75	0.56	67.75	0.35	81.75	0.24	95.75	0.18
54.00	0.56	68.00	0.35	82.00	0.24	96.00	0.18

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 100% reflections)

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

Distance where limits are exceeded	
FCC ft. 1.68	20.2 Inches
BioInitiative ft. 134.50	1614.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	14446.44	10.25	17.18	20.25	4.40	30.25	1.97
0.50	5778.58	10.50	16.37	20.50	4.30	30.50	1.94
0.75	2889.29	10.75	15.62	20.75	4.19	30.75	1.91
1.00	1699.58	11.00	14.92	21.00	4.09	31.00	1.88
1.25	1111.26	11.25	14.26	21.25	4.00	31.25	1.85
1.50	780.89	11.50	13.65	21.50	3.91	31.50	1.82
1.75	577.86	11.75	13.07	21.75	3.82	31.75	1.79
2.00	444.51	12.00	12.53	22.00	3.73	32.00	1.76
2.25	352.35	12.25	12.03	22.25	3.65	32.25	1.74
2.50	286.07	12.50	11.55	22.50	3.57	32.50	1.71
2.75	236.83	12.75	11.10	22.75	3.49	32.75	1.68
3.00	199.26	13.00	10.68	23.00	3.41	33.00	1.66
3.25	169.96	13.25	10.28	23.25	3.34	33.25	1.63
3.50	146.66	13.50	9.90	23.50	3.27	33.50	1.61
3.75	127.84	13.75	9.55	23.75	3.20	33.75	1.59
4.00	112.42	14.00	9.21	24.00	3.13	34.00	1.56
4.25	99.63	14.25	8.89	24.25	3.07	34.25	1.54
4.50	88.90	14.50	8.59	24.50	3.01	34.50	1.52
4.75	79.81	14.75	8.30	24.75	2.95	34.75	1.50
5.00	72.05	15.00	8.02	25.00	2.89	35.00	1.47
5.25	65.37	15.25	7.76	25.25	2.83	35.25	1.45
5.50	59.57	15.50	7.51	25.50	2.78	35.50	1.43
5.75	54.51	15.75	7.28	25.75	2.72	35.75	1.41
6.00	50.07	16.00	7.05	26.00	2.67	36.00	1.39
6.25	46.15	16.25	6.84	26.25	2.62	36.25	1.37
6.50	42.68	16.50	6.63	26.50	2.57	36.50	1.36
6.75	39.58	16.75	6.43	26.75	2.52	36.75	1.34
7.00	36.81	17.00	6.25	27.00	2.48	37.00	1.32
7.25	34.31	17.25	6.07	27.25	2.43	37.25	1.30
7.50	32.07	17.50	5.90	27.50	2.39	37.50	1.28
7.75	30.03	17.75	5.73	27.75	2.34	37.75	1.27
8.00	28.19	18.00	5.57	28.00	2.30	38.00	1.25
8.25	26.51	18.25	5.42	28.25	2.26	38.25	1.23
8.50	24.97	18.50	5.28	28.50	2.22	38.50	1.22
8.75	23.57	18.75	5.14	28.75	2.18	38.75	1.20
9.00	22.28	19.00	5.00	29.00	2.15	39.00	1.19
9.25	21.09	19.25	4.87	29.25	2.11	39.25	1.17
9.50	20.00	19.50	4.75	29.50	2.07	39.50	1.16
9.75	18.98	19.75	4.63	29.75	2.04	39.75	1.14
10.00	18.05	20.00	4.51	30.00	2.01	40.00	1.13

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 - 7 SMART Meters – 100% reflections)

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

Distance where limits are exceeded
 FCC ft. 1.68 20.18 Inches
 BioInitiative ft. 134.50 1614.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	1.11	54.25	0.61	68.25	0.39	82.25	0.27
40.50	1.10	54.50	0.61	68.50	0.38	82.50	0.27
40.75	1.09	54.75	0.60	68.75	0.38	82.75	0.26
41.00	1.07	55.00	0.60	69.00	0.38	83.00	0.26
41.25	1.06	55.25	0.59	69.25	0.38	83.25	0.26
41.50	1.05	55.50	0.59	69.50	0.37	83.50	0.26
41.75	1.04	55.75	0.58	69.75	0.37	83.75	0.26
42.00	1.02	56.00	0.58	70.00	0.37	84.00	0.26
42.25	1.01	56.25	0.57	70.25	0.37	84.25	0.25
42.50	1.00	56.50	0.57	70.50	0.36	84.50	0.25
42.75	0.99	56.75	0.56	70.75	0.36	84.75	0.25
43.00	0.98	57.00	0.56	71.00	0.36	85.00	0.25
43.25	0.97	57.25	0.55	71.25	0.36	85.25	0.25
43.50	0.95	57.50	0.55	71.50	0.35	85.50	0.25
43.75	0.94	57.75	0.54	71.75	0.35	85.75	0.25
44.00	0.93	58.00	0.54	72.00	0.35	86.00	0.24
44.25	0.92	58.25	0.53	72.25	0.35	86.25	0.24
44.50	0.91	58.50	0.53	72.50	0.34	86.50	0.24
44.75	0.90	58.75	0.52	72.75	0.34	86.75	0.24
45.00	0.89	59.00	0.52	73.00	0.34	87.00	0.24
45.25	0.88	59.25	0.51	73.25	0.34	87.25	0.24
45.50	0.87	59.50	0.51	73.50	0.33	87.50	0.24
45.75	0.86	59.75	0.51	73.75	0.33	87.75	0.23
46.00	0.85	60.00	0.50	74.00	0.33	88.00	0.23
46.25	0.84	60.25	0.50	74.25	0.33	88.25	0.23
46.50	0.84	60.50	0.49	74.50	0.33	88.50	0.23
46.75	0.83	60.75	0.49	74.75	0.32	88.75	0.23
47.00	0.82	61.00	0.49	75.00	0.32	89.00	0.23
47.25	0.81	61.25	0.48	75.25	0.32	89.25	0.23
47.50	0.80	61.50	0.48	75.50	0.32	89.50	0.23
47.75	0.79	61.75	0.47	75.75	0.31	89.75	0.22
48.00	0.78	62.00	0.47	76.00	0.31	90.00	0.22
48.25	0.78	62.25	0.47	76.25	0.31	90.25	0.22
48.50	0.77	62.50	0.46	76.50	0.31	90.50	0.22
48.75	0.76	62.75	0.46	76.75	0.31	90.75	0.22
49.00	0.75	63.00	0.45	77.00	0.30	91.00	0.22
49.25	0.74	63.25	0.45	77.25	0.30	91.25	0.22
49.50	0.74	63.50	0.45	77.50	0.30	91.50	0.22
49.75	0.73	63.75	0.44	77.75	0.30	91.75	0.21
50.00	0.72	64.00	0.44	78.00	0.30	92.00	0.21
50.25	0.72	64.25	0.44	78.25	0.29	92.25	0.21
50.50	0.71	64.50	0.43	78.50	0.29	92.50	0.21
50.75	0.70	64.75	0.43	78.75	0.29	92.75	0.21
51.00	0.69	65.00	0.43	79.00	0.29	93.00	0.21
51.25	0.69	65.25	0.42	79.25	0.29	93.25	0.21
51.50	0.68	65.50	0.42	79.50	0.29	93.50	0.21
51.75	0.67	65.75	0.42	79.75	0.28	93.75	0.21
52.00	0.67	66.00	0.41	80.00	0.28	94.00	0.20
52.25	0.66	66.25	0.41	80.25	0.28	94.25	0.20
52.50	0.66	66.50	0.41	80.50	0.28	94.50	0.20
52.75	0.65	66.75	0.41	80.75	0.28	94.75	0.20
53.00	0.64	67.00	0.40	81.00	0.28	95.00	0.20
53.25	0.64	67.25	0.40	81.25	0.27	95.25	0.20
53.50	0.63	67.50	0.40	81.50	0.27	95.50	0.20
53.75	0.63	67.75	0.39	81.75	0.27	95.75	0.20
54.00	0.62	68.00	0.39	82.00	0.27	96.00	0.20