

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 1%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 1.03 12.3 Inches

BioInitiative ft. 78.00 936.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	9702.30	10.25	5.77	20.25	1.48	30.25	0.66
0.50	2425.58	10.50	5.50	20.50	1.44	30.50	0.65
0.75	1078.03	10.75	5.25	20.75	1.41	30.75	0.64
1.00	606.39	11.00	5.01	21.00	1.38	31.00	0.63
1.25	388.09	11.25	4.79	21.25	1.34	31.25	0.62
1.50	269.51	11.50	4.59	21.50	1.31	31.50	0.61
1.75	198.01	11.75	4.39	21.75	1.28	31.75	0.60
2.00	151.60	12.00	4.21	22.00	1.25	32.00	0.59
2.25	119.78	12.25	4.04	22.25	1.22	32.25	0.58
2.50	97.02	12.50	3.88	22.50	1.20	32.50	0.57
2.75	80.18	12.75	3.73	22.75	1.17	32.75	0.57
3.00	67.38	13.00	3.59	23.00	1.15	33.00	0.56
3.25	57.41	13.25	3.45	23.25	1.12	33.25	0.55
3.50	49.50	13.50	3.33	23.50	1.10	33.50	0.54
3.75	43.12	13.75	3.21	23.75	1.08	33.75	0.53
4.00	37.90	14.00	3.09	24.00	1.05	34.00	0.52
4.25	33.57	14.25	2.99	24.25	1.03	34.25	0.52
4.50	29.95	14.50	2.88	24.50	1.01	34.50	0.51
4.75	26.88	14.75	2.79	24.75	0.99	34.75	0.50
5.00	24.26	15.00	2.70	25.00	0.97	35.00	0.50
5.25	22.00	15.25	2.61	25.25	0.95	35.25	0.49
5.50	20.05	15.50	2.52	25.50	0.93	35.50	0.48
5.75	18.34	15.75	2.44	25.75	0.91	35.75	0.47
6.00	16.84	16.00	2.37	26.00	0.90	36.00	0.47
6.25	15.52	16.25	2.30	26.25	0.88	36.25	0.46
6.50	14.35	16.50	2.23	26.50	0.86	36.50	0.46
6.75	13.31	16.75	2.16	26.75	0.85	36.75	0.45
7.00	12.38	17.00	2.10	27.00	0.83	37.00	0.44
7.25	11.54	17.25	2.04	27.25	0.82	37.25	0.44
7.50	10.78	17.50	1.98	27.50	0.80	37.50	0.43
7.75	10.10	17.75	1.92	27.75	0.79	37.75	0.43
8.00	9.47	18.00	1.87	28.00	0.77	38.00	0.42
8.25	8.91	18.25	1.82	28.25	0.76	38.25	0.41
8.50	8.39	18.50	1.77	28.50	0.75	38.50	0.41
8.75	7.92	18.75	1.72	28.75	0.73	38.75	0.40
9.00	7.49	19.00	1.68	29.00	0.72	39.00	0.40
9.25	7.09	19.25	1.64	29.25	0.71	39.25	0.39
9.50	6.72	19.50	1.59	29.50	0.70	39.50	0.39
9.75	6.38	19.75	1.55	29.75	0.69	39.75	0.38
10.00	6.06	20.00	1.52	30.00	0.67	40.00	0.38

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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 1%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 1.03

12.32 Inches

BioInitiative ft. 78.00

936.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	0.37	54.25	0.21	68.25	0.13	82.25	0.09
40.50	0.37	54.50	0.20	68.50	0.13	82.50	0.09
40.75	0.37	54.75	0.20	68.75	0.13	82.75	0.09
41.00	0.36	55.00	0.20	69.00	0.13	83.00	0.09
41.25	0.36	55.25	0.20	69.25	0.13	83.25	0.09
41.50	0.35	55.50	0.20	69.50	0.13	83.50	0.09
41.75	0.35	55.75	0.20	69.75	0.12	83.75	0.09
42.00	0.34	56.00	0.19	70.00	0.12	84.00	0.09
42.25	0.34	56.25	0.19	70.25	0.12	84.25	0.09
42.50	0.34	56.50	0.19	70.50	0.12	84.50	0.08
42.75	0.33	56.75	0.19	70.75	0.12	84.75	0.08
43.00	0.33	57.00	0.19	71.00	0.12	85.00	0.08
43.25	0.32	57.25	0.19	71.25	0.12	85.25	0.08
43.50	0.32	57.50	0.18	71.50	0.12	85.50	0.08
43.75	0.32	57.75	0.18	71.75	0.12	85.75	0.08
44.00	0.31	58.00	0.18	72.00	0.12	86.00	0.08
44.25	0.31	58.25	0.18	72.25	0.12	86.25	0.08
44.50	0.31	58.50	0.18	72.50	0.12	86.50	0.08
44.75	0.30	58.75	0.18	72.75	0.11	86.75	0.08
45.00	0.30	59.00	0.17	73.00	0.11	87.00	0.08
45.25	0.30	59.25	0.17	73.25	0.11	87.25	0.08
45.50	0.29	59.50	0.17	73.50	0.11	87.50	0.08
45.75	0.29	59.75	0.17	73.75	0.11	87.75	0.08
46.00	0.29	60.00	0.17	74.00	0.11	88.00	0.08
46.25	0.28	60.25	0.17	74.25	0.11	88.25	0.08
46.50	0.28	60.50	0.17	74.50	0.11	88.50	0.08
46.75	0.28	60.75	0.16	74.75	0.11	88.75	0.08
47.00	0.27	61.00	0.16	75.00	0.11	89.00	0.08
47.25	0.27	61.25	0.16	75.25	0.11	89.25	0.08
47.50	0.27	61.50	0.16	75.50	0.11	89.50	0.08
47.75	0.27	61.75	0.16	75.75	0.11	89.75	0.08
48.00	0.26	62.00	0.16	76.00	0.10	90.00	0.07
48.25	0.26	62.25	0.16	76.25	0.10	90.25	0.07
48.50	0.26	62.50	0.16	76.50	0.10	90.50	0.07
48.75	0.26	62.75	0.15	76.75	0.10	90.75	0.07
49.00	0.25	63.00	0.15	77.00	0.10	91.00	0.07
49.25	0.25	63.25	0.15	77.25	0.10	91.25	0.07
49.50	0.25	63.50	0.15	77.50	0.10	91.50	0.07
49.75	0.25	63.75	0.15	77.75	0.10	91.75	0.07
50.00	0.24	64.00	0.15	78.00	0.10	92.00	0.07
50.25	0.24	64.25	0.15	78.25	0.10	92.25	0.07
50.50	0.24	64.50	0.15	78.50	0.10	92.50	0.07
50.75	0.24	64.75	0.14	78.75	0.10	92.75	0.07
51.00	0.23	65.00	0.14	79.00	0.10	93.00	0.07
51.25	0.23	65.25	0.14	79.25	0.10	93.25	0.07
51.50	0.23	65.50	0.14	79.50	0.10	93.50	0.07
51.75	0.23	65.75	0.14	79.75	0.10	93.75	0.07
52.00	0.22	66.00	0.14	80.00	0.09	94.00	0.07
52.25	0.22	66.25	0.14	80.25	0.09	94.25	0.07
52.50	0.22	66.50	0.14	80.50	0.09	94.50	0.07
52.75	0.22	66.75	0.14	80.75	0.09	94.75	0.07
53.00	0.22	67.00	0.14	81.00	0.09	95.00	0.07
53.25	0.21	67.25	0.13	81.25	0.09	95.25	0.07
53.50	0.21	67.50	0.13	81.50	0.09	95.50	0.07
53.75	0.21	67.75	0.13	81.75	0.09	95.75	0.07
54.00	0.21	68.00	0.13	82.00	0.09	96.00	0.07

Table 12 – 1%

SMART Meter Power Density Computer Modeling

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Meters 1 Collector Meter

Time Avg: 10%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 3.25 39.0 Inches

BioInitiative ft. 246.00 2952.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	97023.01	10.25	57.72	20.25	14.79	30.25	6.63
0.50	24255.75	10.50	55.00	20.50	14.43	30.50	6.52
0.75	10780.33	10.75	52.47	20.75	14.08	30.75	6.41
1.00	6063.94	11.00	50.12	21.00	13.75	31.00	6.31
1.25	3880.92	11.25	47.91	21.25	13.43	31.25	6.21
1.50	2695.08	11.50	45.85	21.50	13.12	31.50	6.11
1.75	1980.06	11.75	43.92	21.75	12.82	31.75	6.02
2.00	1515.98	12.00	42.11	22.00	12.53	32.00	5.92
2.25	1197.81	12.25	40.41	22.25	12.25	32.25	5.83
2.50	970.23	12.50	38.81	22.50	11.98	32.50	5.74
2.75	801.84	12.75	37.30	22.75	11.72	32.75	5.65
3.00	673.77	13.00	35.88	23.00	11.46	33.00	5.57
3.25	574.10	13.25	34.54	23.25	11.22	33.25	5.48
3.50	495.02	13.50	33.27	23.50	10.98	33.50	5.40
3.75	431.21	13.75	32.07	23.75	10.75	33.75	5.32
4.00	379.00	14.00	30.94	24.00	10.53	34.00	5.25
4.25	335.72	14.25	29.86	24.25	10.31	34.25	5.17
4.50	299.45	14.50	28.84	24.50	10.10	34.50	5.09
4.75	268.76	14.75	27.87	24.75	9.90	34.75	5.02
5.00	242.56	15.00	26.95	25.00	9.70	35.00	4.95
5.25	220.01	15.25	26.07	25.25	9.51	35.25	4.88
5.50	200.46	15.50	25.24	25.50	9.33	35.50	4.81
5.75	183.41	15.75	24.45	25.75	9.15	35.75	4.74
6.00	168.44	16.00	23.69	26.00	8.97	36.00	4.68
6.25	155.24	16.25	22.96	26.25	8.80	36.25	4.61
6.50	143.53	16.50	22.27	26.50	8.64	36.50	4.55
6.75	133.09	16.75	21.61	26.75	8.47	36.75	4.49
7.00	123.75	17.00	20.98	27.00	8.32	37.00	4.43
7.25	115.37	17.25	20.38	27.25	8.17	37.25	4.37
7.50	107.80	17.50	19.80	27.50	8.02	37.50	4.31
7.75	100.96	17.75	19.25	27.75	7.87	37.75	4.26
8.00	94.75	18.00	18.72	28.00	7.73	38.00	4.20
8.25	89.09	18.25	18.21	28.25	7.60	38.25	4.14
8.50	83.93	18.50	17.72	28.50	7.47	38.50	4.09
8.75	79.20	18.75	17.25	28.75	7.34	38.75	4.04
9.00	74.86	19.00	16.80	29.00	7.21	39.00	3.99
9.25	70.87	19.25	16.36	29.25	7.09	39.25	3.94
9.50	67.19	19.50	15.95	29.50	6.97	39.50	3.89
9.75	63.79	19.75	15.55	29.75	6.85	39.75	3.84
10.00	60.64	20.00	15.16	30.00	6.74	40.00	3.79

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
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- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
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SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 10%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 3.25

38.95 Inches

BioInitiative ft. 246.00

2952.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	3.74	54.25	2.06	68.25	1.30	82.25	0.90
40.50	3.70	54.50	2.04	68.50	1.29	82.50	0.89
40.75	3.65	54.75	2.02	68.75	1.28	82.75	0.89
41.00	3.61	55.00	2.00	69.00	1.27	83.00	0.88
41.25	3.56	55.25	1.99	69.25	1.26	83.25	0.87
41.50	3.52	55.50	1.97	69.50	1.26	83.50	0.87
41.75	3.48	55.75	1.95	69.75	1.25	83.75	0.86
42.00	3.44	56.00	1.93	70.00	1.24	84.00	0.86
42.25	3.40	56.25	1.92	70.25	1.23	84.25	0.85
42.50	3.36	56.50	1.90	70.50	1.22	84.50	0.85
42.75	3.32	56.75	1.88	70.75	1.21	84.75	0.84
43.00	3.28	57.00	1.87	71.00	1.20	85.00	0.84
43.25	3.24	57.25	1.85	71.25	1.19	85.25	0.83
43.50	3.20	57.50	1.83	71.50	1.19	85.50	0.83
43.75	3.17	57.75	1.82	71.75	1.18	85.75	0.82
44.00	3.13	58.00	1.80	72.00	1.17	86.00	0.82
44.25	3.10	58.25	1.79	72.25	1.16	86.25	0.82
44.50	3.06	58.50	1.77	72.50	1.15	86.50	0.81
44.75	3.03	58.75	1.76	72.75	1.15	86.75	0.81
45.00	2.99	59.00	1.74	73.00	1.14	87.00	0.80
45.25	2.96	59.25	1.73	73.25	1.13	87.25	0.80
45.50	2.93	59.50	1.71	73.50	1.12	87.50	0.79
45.75	2.90	59.75	1.70	73.75	1.11	87.75	0.79
46.00	2.87	60.00	1.68	74.00	1.11	88.00	0.78
46.25	2.83	60.25	1.67	74.25	1.10	88.25	0.78
46.50	2.80	60.50	1.66	74.50	1.09	88.50	0.77
46.75	2.77	60.75	1.64	74.75	1.09	88.75	0.77
47.00	2.75	61.00	1.63	75.00	1.08	89.00	0.77
47.25	2.72	61.25	1.62	75.25	1.07	89.25	0.76
47.50	2.69	61.50	1.60	75.50	1.06	89.50	0.76
47.75	2.66	61.75	1.59	75.75	1.06	89.75	0.75
48.00	2.63	62.00	1.58	76.00	1.05	90.00	0.75
48.25	2.60	62.25	1.56	76.25	1.04	90.25	0.74
48.50	2.58	62.50	1.55	76.50	1.04	90.50	0.74
48.75	2.55	62.75	1.54	76.75	1.03	90.75	0.74
49.00	2.53	63.00	1.53	77.00	1.02	91.00	0.73
49.25	2.50	63.25	1.52	77.25	1.02	91.25	0.73
49.50	2.47	63.50	1.50	77.50	1.01	91.50	0.72
49.75	2.45	63.75	1.49	77.75	1.00	91.75	0.72
50.00	2.43	64.00	1.48	78.00	1.00	92.00	0.72
50.25	2.40	64.25	1.47	78.25	0.99	92.25	0.71
50.50	2.38	64.50	1.46	78.50	0.98	92.50	0.71
50.75	2.35	64.75	1.45	78.75	0.98	92.75	0.70
51.00	2.33	65.00	1.44	79.00	0.97	93.00	0.70
51.25	2.31	65.25	1.42	79.25	0.97	93.25	0.70
51.50	2.29	65.50	1.41	79.50	0.96	93.50	0.69
51.75	2.26	65.75	1.40	79.75	0.95	93.75	0.69
52.00	2.24	66.00	1.39	80.00	0.95	94.00	0.69
52.25	2.22	66.25	1.38	80.25	0.94	94.25	0.68
52.50	2.20	66.50	1.37	80.50	0.94	94.50	0.68
52.75	2.18	66.75	1.36	80.75	0.93	94.75	0.68
53.00	2.16	67.00	1.35	81.00	0.92	95.00	0.67
53.25	2.14	67.25	1.34	81.25	0.92	95.25	0.67
53.50	2.12	67.50	1.33	81.50	0.91	95.50	0.66
53.75	2.10	67.75	1.32	81.75	0.91	95.75	0.66
54.00	2.08	68.00	1.31	82.00	0.90	96.00	0.66

Table 12 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 4.59 55.1 Inches

BioInitiative ft. 348.00 4176.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	194046.03	10.25	115.43	20.25	29.58	30.25	13.25
0.50	48511.51	10.50	110.00	20.50	28.86	30.50	13.04
0.75	21560.67	10.75	104.95	20.75	28.17	30.75	12.83
1.00	12127.88	11.00	100.23	21.00	27.50	31.00	12.62
1.25	7761.84	11.25	95.83	21.25	26.86	31.25	12.42
1.50	5390.17	11.50	91.70	21.50	26.24	31.50	12.22
1.75	3960.12	11.75	87.84	21.75	25.64	31.75	12.03
2.00	3031.97	12.00	84.22	22.00	25.06	32.00	11.84
2.25	2395.63	12.25	80.82	22.25	24.50	32.25	11.66
2.50	1940.46	12.50	77.62	22.50	23.96	32.50	11.48
2.75	1603.69	12.75	74.60	22.75	23.43	32.75	11.31
3.00	1347.54	13.00	71.76	23.00	22.93	33.00	11.14
3.25	1148.20	13.25	69.08	23.25	22.44	33.25	10.97
3.50	990.03	13.50	66.55	23.50	21.96	33.50	10.81
3.75	862.43	13.75	64.15	23.75	21.50	33.75	10.65
4.00	757.99	14.00	61.88	24.00	21.06	34.00	10.49
4.25	671.44	14.25	59.72	24.25	20.62	34.25	10.34
4.50	598.91	14.50	57.68	24.50	20.20	34.50	10.19
4.75	537.52	14.75	55.74	24.75	19.80	34.75	10.04
5.00	485.12	15.00	53.90	25.00	19.40	35.00	9.90
5.25	440.01	15.25	52.15	25.25	19.02	35.25	9.76
5.50	400.92	15.50	50.48	25.50	18.65	35.50	9.62
5.75	366.82	15.75	48.89	25.75	18.29	35.75	9.49
6.00	336.89	16.00	47.37	26.00	17.94	36.00	9.36
6.25	310.47	16.25	45.93	26.25	17.60	36.25	9.23
6.50	287.05	16.50	44.55	26.50	17.27	36.50	9.10
6.75	266.18	16.75	43.23	26.75	16.95	36.75	8.98
7.00	247.51	17.00	41.96	27.00	16.64	37.00	8.86
7.25	230.73	17.25	40.76	27.25	16.33	37.25	8.74
7.50	215.61	17.50	39.60	27.50	16.04	37.50	8.62
7.75	201.92	17.75	38.49	27.75	15.75	37.75	8.51
8.00	189.50	18.00	37.43	28.00	15.47	38.00	8.40
8.25	178.19	18.25	36.41	28.25	15.20	38.25	8.29
8.50	167.86	18.50	35.44	28.50	14.93	38.50	8.18
8.75	158.40	18.75	34.50	28.75	14.67	38.75	8.08
9.00	149.73	19.00	33.60	29.00	14.42	39.00	7.97
9.25	141.74	19.25	32.73	29.25	14.18	39.25	7.87
9.50	134.38	19.50	31.89	29.50	13.94	39.50	7.77
9.75	127.58	19.75	31.09	29.75	13.70	39.75	7.68
10.00	121.28	20.00	30.32	30.00	13.48	40.00	7.58

Notes:

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

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 20%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 4.59

55.09 Inches

BioInitiative ft. 348.00

4176.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	7.49	54.25	4.12	68.25	2.60	82.25	1.79
40.50	7.39	54.50	4.08	68.50	2.58	82.50	1.78
40.75	7.30	54.75	4.05	68.75	2.57	82.75	1.77
41.00	7.21	55.00	4.01	69.00	2.55	83.00	1.76
41.25	7.13	55.25	3.97	69.25	2.53	83.25	1.75
41.50	7.04	55.50	3.94	69.50	2.51	83.50	1.74
41.75	6.96	55.75	3.90	69.75	2.49	83.75	1.73
42.00	6.88	56.00	3.87	70.00	2.48	84.00	1.72
42.25	6.79	56.25	3.83	70.25	2.46	84.25	1.71
42.50	6.71	56.50	3.80	70.50	2.44	84.50	1.70
42.75	6.64	56.75	3.77	70.75	2.42	84.75	1.69
43.00	6.56	57.00	3.73	71.00	2.41	85.00	1.68
43.25	6.48	57.25	3.70	71.25	2.39	85.25	1.67
43.50	6.41	57.50	3.67	71.50	2.37	85.50	1.66
43.75	6.34	57.75	3.64	71.75	2.36	85.75	1.65
44.00	6.26	58.00	3.61	72.00	2.34	86.00	1.64
44.25	6.19	58.25	3.57	72.25	2.32	86.25	1.63
44.50	6.12	58.50	3.54	72.50	2.31	86.50	1.62
44.75	6.06	58.75	3.51	72.75	2.29	86.75	1.61
45.00	5.99	59.00	3.48	73.00	2.28	87.00	1.60
45.25	5.92	59.25	3.45	73.25	2.26	87.25	1.59
45.50	5.86	59.50	3.43	73.50	2.24	87.50	1.58
45.75	5.79	59.75	3.40	73.75	2.23	87.75	1.58
46.00	5.73	60.00	3.37	74.00	2.21	88.00	1.57
46.25	5.67	60.25	3.34	74.25	2.20	88.25	1.56
46.50	5.61	60.50	3.31	74.50	2.19	88.50	1.55
46.75	5.55	60.75	3.29	74.75	2.17	88.75	1.54
47.00	5.49	61.00	3.26	75.00	2.16	89.00	1.53
47.25	5.43	61.25	3.23	75.25	2.14	89.25	1.52
47.50	5.38	61.50	3.21	75.50	2.13	89.50	1.51
47.75	5.32	61.75	3.18	75.75	2.11	89.75	1.51
48.00	5.26	62.00	3.16	76.00	2.10	90.00	1.50
48.25	5.21	62.25	3.13	76.25	2.09	90.25	1.49
48.50	5.16	62.50	3.10	76.50	2.07	90.50	1.48
48.75	5.10	62.75	3.08	76.75	2.06	90.75	1.47
49.00	5.05	63.00	3.06	77.00	2.05	91.00	1.46
49.25	5.00	63.25	3.03	77.25	2.03	91.25	1.46
49.50	4.95	63.50	3.01	77.50	2.02	91.50	1.45
49.75	4.90	63.75	2.98	77.75	2.01	91.75	1.44
50.00	4.85	64.00	2.96	78.00	1.99	92.00	1.43
50.25	4.80	64.25	2.94	78.25	1.98	92.25	1.43
50.50	4.76	64.50	2.92	78.50	1.97	92.50	1.42
50.75	4.71	64.75	2.89	78.75	1.96	92.75	1.41
51.00	4.66	65.00	2.87	79.00	1.94	93.00	1.40
51.25	4.62	65.25	2.85	79.25	1.93	93.25	1.39
51.50	4.57	65.50	2.83	79.50	1.92	93.50	1.39
51.75	4.53	65.75	2.81	79.75	1.91	93.75	1.38
52.00	4.49	66.00	2.78	80.00	1.89	94.00	1.37
52.25	4.44	66.25	2.76	80.25	1.88	94.25	1.37
52.50	4.40	66.50	2.74	80.50	1.87	94.50	1.36
52.75	4.36	66.75	2.72	80.75	1.86	94.75	1.35
53.00	4.32	67.00	2.70	81.00	1.85	95.00	1.34
53.25	4.28	67.25	2.68	81.25	1.84	95.25	1.34
53.50	4.24	67.50	2.66	81.50	1.83	95.50	1.33
53.75	4.20	67.75	2.64	81.75	1.81	95.75	1.32
54.00	4.16	68.00	2.62	82.00	1.80	96.00	1.32

Table 12 – 20%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 5.62 67.5 Inches

BioInitiative ft. 426.00 5112.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	291069.04	10.25	173.15	20.25	44.36	30.25	19.88
0.50	72767.26	10.50	165.01	20.50	43.29	30.50	19.56
0.75	32341.00	10.75	157.42	20.75	42.25	30.75	19.24
1.00	18191.82	11.00	150.35	21.00	41.25	31.00	18.93
1.25	11642.76	11.25	143.74	21.25	40.29	31.25	18.63
1.50	8085.25	11.50	137.56	21.50	39.35	31.50	18.33
1.75	5940.18	11.75	131.77	21.75	38.46	31.75	18.05
2.00	4547.95	12.00	126.33	22.00	37.59	32.00	17.77
2.25	3593.44	12.25	121.23	22.25	36.75	32.25	17.49
2.50	2910.69	12.50	116.43	22.50	35.93	32.50	17.22
2.75	2405.53	12.75	111.91	22.75	35.15	32.75	16.96
3.00	2021.31	13.00	107.64	23.00	34.39	33.00	16.71
3.25	1722.30	13.25	103.62	23.25	33.65	33.25	16.45
3.50	1485.05	13.50	99.82	23.50	32.94	33.50	16.21
3.75	1293.64	13.75	96.22	23.75	32.25	33.75	15.97
4.00	1136.99	14.00	92.82	24.00	31.58	34.00	15.74
4.25	1007.16	14.25	89.59	24.25	30.94	34.25	15.51
4.50	898.36	14.50	86.52	24.50	30.31	34.50	15.28
4.75	806.29	14.75	83.62	24.75	29.70	34.75	15.06
5.00	727.67	15.00	80.85	25.00	29.11	35.00	14.85
5.25	660.02	15.25	78.22	25.25	28.53	35.25	14.64
5.50	601.38	15.50	75.72	25.50	27.98	35.50	14.44
5.75	550.23	15.75	73.34	25.75	27.44	35.75	14.23
6.00	505.33	16.00	71.06	26.00	26.91	36.00	14.04
6.25	465.71	16.25	68.89	26.25	26.40	36.25	13.84
6.50	430.58	16.50	66.82	26.50	25.91	36.50	13.65
6.75	399.27	16.75	64.84	26.75	25.42	36.75	13.47
7.00	371.26	17.00	62.95	27.00	24.95	37.00	13.29
7.25	346.10	17.25	61.14	27.25	24.50	37.25	13.11
7.50	323.41	17.50	59.40	27.50	24.06	37.50	12.94
7.75	302.88	17.75	57.74	27.75	23.62	37.75	12.77
8.00	284.25	18.00	56.15	28.00	23.20	38.00	12.60
8.25	267.28	18.25	54.62	28.25	22.79	38.25	12.43
8.50	251.79	18.50	53.15	28.50	22.40	38.50	12.27
8.75	237.61	18.75	51.75	28.75	22.01	38.75	12.12
9.00	224.59	19.00	50.39	29.00	21.63	39.00	11.96
9.25	212.61	19.25	49.09	29.25	21.26	39.25	11.81
9.50	201.57	19.50	47.84	29.50	20.90	39.50	11.66
9.75	191.37	19.75	46.64	29.75	20.55	39.75	11.51
10.00	181.92	20.00	45.48	30.00	20.21	40.00	11.37

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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 30%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 5.62

67.47 Inches

BioInitiative ft. 426.00

5112.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	11.23	54.25	6.18	68.25	3.91	82.25	2.69
40.50	11.09	54.50	6.12	68.50	3.88	82.50	2.67
40.75	10.96	54.75	6.07	68.75	3.85	82.75	2.66
41.00	10.82	55.00	6.01	69.00	3.82	83.00	2.64
41.25	10.69	55.25	5.96	69.25	3.79	83.25	2.62
41.50	10.56	55.50	5.91	69.50	3.77	83.50	2.61
41.75	10.44	55.75	5.85	69.75	3.74	83.75	2.59
42.00	10.31	56.00	5.80	70.00	3.71	84.00	2.58
42.25	10.19	56.25	5.75	70.25	3.69	84.25	2.56
42.50	10.07	56.50	5.70	70.50	3.66	84.50	2.55
42.75	9.95	56.75	5.65	70.75	3.63	84.75	2.53
43.00	9.84	57.00	5.60	71.00	3.61	85.00	2.52
43.25	9.73	57.25	5.55	71.25	3.58	85.25	2.50
43.50	9.61	57.50	5.50	71.50	3.56	85.50	2.49
43.75	9.50	57.75	5.45	71.75	3.53	85.75	2.47
44.00	9.40	58.00	5.41	72.00	3.51	86.00	2.46
44.25	9.29	58.25	5.36	72.25	3.48	86.25	2.45
44.50	9.19	58.50	5.32	72.50	3.46	86.50	2.43
44.75	9.08	58.75	5.27	72.75	3.44	86.75	2.42
45.00	8.98	59.00	5.23	73.00	3.41	87.00	2.40
45.25	8.88	59.25	5.18	73.25	3.39	87.25	2.39
45.50	8.79	59.50	5.14	73.50	3.37	87.50	2.38
45.75	8.69	59.75	5.10	73.75	3.34	87.75	2.36
46.00	8.60	60.00	5.05	74.00	3.32	88.00	2.35
46.25	8.50	60.25	5.01	74.25	3.30	88.25	2.34
46.50	8.41	60.50	4.97	74.50	3.28	88.50	2.32
46.75	8.32	60.75	4.93	74.75	3.26	88.75	2.31
47.00	8.24	61.00	4.89	75.00	3.23	89.00	2.30
47.25	8.15	61.25	4.85	75.25	3.21	89.25	2.28
47.50	8.06	61.50	4.81	75.50	3.19	89.50	2.27
47.75	7.98	61.75	4.77	75.75	3.17	89.75	2.26
48.00	7.90	62.00	4.73	76.00	3.15	90.00	2.25
48.25	7.81	62.25	4.69	76.25	3.13	90.25	2.23
48.50	7.73	62.50	4.66	76.50	3.11	90.50	2.22
48.75	7.65	62.75	4.62	76.75	3.09	90.75	2.21
49.00	7.58	63.00	4.58	77.00	3.07	91.00	2.20
49.25	7.50	63.25	4.55	77.25	3.05	91.25	2.18
49.50	7.42	63.50	4.51	77.50	3.03	91.50	2.17
49.75	7.35	63.75	4.48	77.75	3.01	91.75	2.16
50.00	7.28	64.00	4.44	78.00	2.99	92.00	2.15
50.25	7.20	64.25	4.41	78.25	2.97	92.25	2.14
50.50	7.13	64.50	4.37	78.50	2.95	92.50	2.13
50.75	7.06	64.75	4.34	78.75	2.93	92.75	2.11
51.00	6.99	65.00	4.31	79.00	2.91	93.00	2.10
51.25	6.93	65.25	4.27	79.25	2.90	93.25	2.09
51.50	6.86	65.50	4.24	79.50	2.88	93.50	2.08
51.75	6.79	65.75	4.21	79.75	2.86	93.75	2.07
52.00	6.73	66.00	4.18	80.00	2.84	94.00	2.06
52.25	6.66	66.25	4.14	80.25	2.82	94.25	2.05
52.50	6.60	66.50	4.11	80.50	2.81	94.50	2.04
52.75	6.54	66.75	4.08	80.75	2.79	94.75	2.03
53.00	6.48	67.00	4.05	81.00	2.77	95.00	2.02
53.25	6.42	67.25	4.02	81.25	2.76	95.25	2.01
53.50	6.36	67.50	3.99	81.50	2.74	95.50	1.99
53.75	6.30	67.75	3.96	81.75	2.72	95.75	1.98
54.00	6.24	68.00	3.93	82.00	2.71	96.00	1.97

Table 12 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 6.49 77.9 Inches

BioInitiative ft. 493.00 5916.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	388092.06	10.25	230.87	20.25	59.15	30.25	26.51
0.50	97023.01	10.50	220.01	20.50	57.72	30.50	26.07
0.75	43121.34	10.75	209.89	20.75	56.34	30.75	25.65
1.00	24255.75	11.00	200.46	21.00	55.00	31.00	25.24
1.25	15523.68	11.25	191.65	21.25	53.72	31.25	24.84
1.50	10780.33	11.50	183.41	21.50	52.47	31.50	24.45
1.75	7920.25	11.75	175.69	21.75	51.27	31.75	24.06
2.00	6063.94	12.00	168.44	22.00	50.12	32.00	23.69
2.25	4791.26	12.25	161.64	22.25	49.00	32.25	23.32
2.50	3880.92	12.50	155.24	22.50	47.91	32.50	22.96
2.75	3207.37	12.75	149.21	22.75	46.87	32.75	22.61
3.00	2695.08	13.00	143.53	23.00	45.85	33.00	22.27
3.25	2296.40	13.25	138.16	23.25	44.87	33.25	21.94
3.50	1980.06	13.50	133.09	23.50	43.92	33.50	21.61
3.75	1724.85	13.75	128.29	23.75	43.00	33.75	21.29
4.00	1515.98	14.00	123.75	24.00	42.11	34.00	20.98
4.25	1342.88	14.25	119.45	24.25	41.25	34.25	20.68
4.50	1197.81	14.50	115.37	24.50	40.41	34.50	20.38
4.75	1075.05	14.75	111.49	24.75	39.60	34.75	20.09
5.00	970.23	15.00	107.80	25.00	38.81	35.00	19.80
5.25	880.03	15.25	104.30	25.25	38.04	35.25	19.52
5.50	801.84	15.50	100.96	25.50	37.30	35.50	19.25
5.75	733.63	15.75	97.78	25.75	36.58	35.75	18.98
6.00	673.77	16.00	94.75	26.00	35.88	36.00	18.72
6.25	620.95	16.25	91.86	26.25	35.20	36.25	18.46
6.50	574.10	16.50	89.09	26.50	34.54	36.50	18.21
6.75	532.36	16.75	86.45	26.75	33.90	36.75	17.96
7.00	495.02	17.00	83.93	27.00	33.27	37.00	17.72
7.25	461.46	17.25	81.51	27.25	32.66	37.25	17.48
7.50	431.21	17.50	79.20	27.50	32.07	37.50	17.25
7.75	403.84	17.75	76.99	27.75	31.50	37.75	17.02
8.00	379.00	18.00	74.86	28.00	30.94	38.00	16.80
8.25	356.37	18.25	72.83	28.25	30.39	38.25	16.58
8.50	335.72	18.50	70.87	28.50	29.86	38.50	16.36
8.75	316.81	18.75	68.99	28.75	29.35	38.75	16.15
9.00	299.45	19.00	67.19	29.00	28.84	39.00	15.95
9.25	283.49	19.25	65.46	29.25	28.35	39.25	15.74
9.50	268.76	19.50	63.79	29.50	27.87	39.50	15.55
9.75	255.16	19.75	62.18	29.75	27.41	39.75	15.35
10.00	242.56	20.00	60.64	30.00	26.95	40.00	15.16

Notes:

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

$$S = \text{EIRP} \cdot [\text{TA} \cdot (1 + \% \text{Ref})^2] / (4\pi \cdot R^2)$$
 - 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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 40%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 6.49

77.90 Inches

BioInitiative ft. 493.00

5916.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	14.97	54.25	8.24	68.25	5.21	82.25	3.59
40.50	14.79	54.50	8.17	68.50	5.17	82.50	3.56
40.75	14.61	54.75	8.09	68.75	5.13	82.75	3.54
41.00	14.43	55.00	8.02	69.00	5.09	83.00	3.52
41.25	14.25	55.25	7.95	69.25	5.06	83.25	3.50
41.50	14.08	55.50	7.87	69.50	5.02	83.50	3.48
41.75	13.92	55.75	7.80	69.75	4.99	83.75	3.46
42.00	13.75	56.00	7.73	70.00	4.95	84.00	3.44
42.25	13.59	56.25	7.67	70.25	4.91	84.25	3.42
42.50	13.43	56.50	7.60	70.50	4.88	84.50	3.40
42.75	13.27	56.75	7.53	70.75	4.85	84.75	3.38
43.00	13.12	57.00	7.47	71.00	4.81	85.00	3.36
43.25	12.97	57.25	7.40	71.25	4.78	85.25	3.34
43.50	12.82	57.50	7.34	71.50	4.74	85.50	3.32
43.75	12.67	57.75	7.27	71.75	4.71	85.75	3.30
44.00	12.53	58.00	7.21	72.00	4.68	86.00	3.28
44.25	12.39	58.25	7.15	72.25	4.65	86.25	3.26
44.50	12.25	58.50	7.09	72.50	4.61	86.50	3.24
44.75	12.11	58.75	7.03	72.75	4.58	86.75	3.22
45.00	11.98	59.00	6.97	73.00	4.55	87.00	3.20
45.25	11.85	59.25	6.91	73.25	4.52	87.25	3.19
45.50	11.72	59.50	6.85	73.50	4.49	87.50	3.17
45.75	11.59	59.75	6.79	73.75	4.46	87.75	3.15
46.00	11.46	60.00	6.74	74.00	4.43	88.00	3.13
46.25	11.34	60.25	6.68	74.25	4.40	88.25	3.11
46.50	11.22	60.50	6.63	74.50	4.37	88.50	3.10
46.75	11.10	60.75	6.57	74.75	4.34	88.75	3.08
47.00	10.98	61.00	6.52	75.00	4.31	89.00	3.06
47.25	10.86	61.25	6.47	75.25	4.28	89.25	3.05
47.50	10.75	61.50	6.41	75.50	4.26	89.50	3.03
47.75	10.64	61.75	6.36	75.75	4.23	89.75	3.01
48.00	10.53	62.00	6.31	76.00	4.20	90.00	2.99
48.25	10.42	62.25	6.26	76.25	4.17	90.25	2.98
48.50	10.31	62.50	6.21	76.50	4.14	90.50	2.96
48.75	10.21	62.75	6.16	76.75	4.12	90.75	2.95
49.00	10.10	63.00	6.11	77.00	4.09	91.00	2.93
49.25	10.00	63.25	6.06	77.25	4.06	91.25	2.91
49.50	9.90	63.50	6.02	77.50	4.04	91.50	2.90
49.75	9.80	63.75	5.97	77.75	4.01	91.75	2.88
50.00	9.70	64.00	5.92	78.00	3.99	92.00	2.87
50.25	9.61	64.25	5.88	78.25	3.96	92.25	2.85
50.50	9.51	64.50	5.83	78.50	3.94	92.50	2.83
50.75	9.42	64.75	5.79	78.75	3.91	92.75	2.82
51.00	9.33	65.00	5.74	79.00	3.89	93.00	2.80
51.25	9.23	65.25	5.70	79.25	3.86	93.25	2.79
51.50	9.15	65.50	5.65	79.50	3.84	93.50	2.77
51.75	9.06	65.75	5.61	79.75	3.81	93.75	2.76
52.00	8.97	66.00	5.57	80.00	3.79	94.00	2.75
52.25	8.88	66.25	5.53	80.25	3.77	94.25	2.73
52.50	8.80	66.50	5.48	80.50	3.74	94.50	2.72
52.75	8.72	66.75	5.44	80.75	3.72	94.75	2.70
53.00	8.64	67.00	5.40	81.00	3.70	95.00	2.69
53.25	8.55	67.25	5.36	81.25	3.67	95.25	2.67
53.50	8.47	67.50	5.32	81.50	3.65	95.50	2.66
53.75	8.40	67.75	5.28	81.75	3.63	95.75	2.65
54.00	8.32	68.00	5.25	82.00	3.61	96.00	2.63

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 7.26 87.1 Inches

BioInitiative ft. 550.00 6600.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	485115.07	10.25	288.59	20.25	73.94	30.25	33.13
0.50	121278.77	10.50	275.01	20.50	72.15	30.50	32.59
0.75	53901.67	10.75	262.37	20.75	70.42	30.75	32.07
1.00	30319.69	11.00	250.58	21.00	68.75	31.00	31.55
1.25	19404.60	11.25	239.56	21.25	67.14	31.25	31.05
1.50	13475.42	11.50	229.26	21.50	65.59	31.50	30.56
1.75	9900.31	11.75	219.61	21.75	64.09	31.75	30.08
2.00	7579.92	12.00	210.55	22.00	62.64	32.00	29.61
2.25	5989.07	12.25	202.05	22.25	61.24	32.25	29.15
2.50	4851.15	12.50	194.05	22.50	59.89	32.50	28.71
2.75	4009.22	12.75	186.51	22.75	58.58	32.75	28.27
3.00	3368.85	13.00	179.41	23.00	57.32	33.00	27.84
3.25	2870.50	13.25	172.70	23.25	56.09	33.25	27.42
3.50	2475.08	13.50	166.36	23.50	54.90	33.50	27.02
3.75	2156.07	13.75	160.37	23.75	53.75	33.75	26.62
4.00	1894.98	14.00	154.69	24.00	52.64	34.00	26.23
4.25	1678.60	14.25	149.31	24.25	51.56	34.25	25.85
4.50	1497.27	14.50	144.21	24.50	50.51	34.50	25.47
4.75	1343.81	14.75	139.36	24.75	49.50	34.75	25.11
5.00	1212.79	15.00	134.75	25.00	48.51	35.00	24.75
5.25	1100.03	15.25	130.37	25.25	47.56	35.25	24.40
5.50	1002.30	15.50	126.20	25.50	46.63	35.50	24.06
5.75	917.04	15.75	122.23	25.75	45.73	35.75	23.72
6.00	842.21	16.00	118.44	26.00	44.85	36.00	23.39
6.25	776.18	16.25	114.82	26.25	44.00	36.25	23.07
6.50	717.63	16.50	111.37	26.50	43.18	36.50	22.76
6.75	665.45	16.75	108.07	26.75	42.37	36.75	22.45
7.00	618.77	17.00	104.91	27.00	41.59	37.00	22.15
7.25	576.83	17.25	101.89	27.25	40.83	37.25	21.85
7.50	539.02	17.50	99.00	27.50	40.09	37.50	21.56
7.75	504.80	17.75	96.23	27.75	39.37	37.75	21.28
8.00	473.75	18.00	93.58	28.00	38.67	38.00	21.00
8.25	445.47	18.25	91.03	28.25	37.99	38.25	20.72
8.50	419.65	18.50	88.59	28.50	37.33	38.50	20.46
8.75	396.01	18.75	86.24	28.75	36.68	38.75	20.19
9.00	374.32	19.00	83.99	29.00	36.05	39.00	19.93
9.25	354.36	19.25	81.82	29.25	35.44	39.25	19.68
9.50	335.95	19.50	79.74	29.50	34.84	39.50	19.43
9.75	318.94	19.75	77.73	29.75	34.26	39.75	19.19
10.00	303.20	20.00	75.80	30.00	33.69	40.00	18.95

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)
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- Collector meter ERP RFLAN-C = 0.189 W, ZigBee = 0.057 W, GSM = 0.733 W per Edison SmartConnect Community Meeting, Montecito, CA dated February 10, 2010
- TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)
- 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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 50%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 7.26

87.10 Inches

BioInitiative ft. 550.00

6600.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	18.72	54.25	10.30	68.25	6.51	82.25	4.48
40.50	18.48	54.50	10.21	68.50	6.46	82.50	4.45
40.75	18.26	54.75	10.11	68.75	6.41	82.75	4.43
41.00	18.04	55.00	10.02	69.00	6.37	83.00	4.40
41.25	17.82	55.25	9.93	69.25	6.32	83.25	4.37
41.50	17.60	55.50	9.84	69.50	6.28	83.50	4.35
41.75	17.39	55.75	9.76	69.75	6.23	83.75	4.32
42.00	17.19	56.00	9.67	70.00	6.19	84.00	4.30
42.25	16.99	56.25	9.58	70.25	6.14	84.25	4.27
42.50	16.79	56.50	9.50	70.50	6.10	84.50	4.25
42.75	16.59	56.75	9.41	70.75	6.06	84.75	4.22
43.00	16.40	57.00	9.33	71.00	6.01	85.00	4.20
43.25	16.21	57.25	9.25	71.25	5.97	85.25	4.17
43.50	16.02	57.50	9.17	71.50	5.93	85.50	4.15
43.75	15.84	57.75	9.09	71.75	5.89	85.75	4.12
44.00	15.66	58.00	9.01	72.00	5.85	86.00	4.10
44.25	15.48	58.25	8.94	72.25	5.81	86.25	4.08
44.50	15.31	58.50	8.86	72.50	5.77	86.50	4.05
44.75	15.14	58.75	8.78	72.75	5.73	86.75	4.03
45.00	14.97	59.00	8.71	73.00	5.69	87.00	4.01
45.25	14.81	59.25	8.64	73.25	5.65	87.25	3.98
45.50	14.65	59.50	8.56	73.50	5.61	87.50	3.96
45.75	14.49	59.75	8.49	73.75	5.57	87.75	3.94
46.00	14.33	60.00	8.42	74.00	5.54	88.00	3.92
46.25	14.17	60.25	8.35	74.25	5.50	88.25	3.89
46.50	14.02	60.50	8.28	74.50	5.46	88.50	3.87
46.75	13.87	60.75	8.22	74.75	5.43	88.75	3.85
47.00	13.73	61.00	8.15	75.00	5.39	89.00	3.83
47.25	13.58	61.25	8.08	75.25	5.35	89.25	3.81
47.50	13.44	61.50	8.02	75.50	5.32	89.50	3.79
47.75	13.30	61.75	7.95	75.75	5.28	89.75	3.76
48.00	13.16	62.00	7.89	76.00	5.25	90.00	3.74
48.25	13.02	62.25	7.82	76.25	5.21	90.25	3.72
48.50	12.89	62.50	7.76	76.50	5.18	90.50	3.70
48.75	12.76	62.75	7.70	76.75	5.15	90.75	3.68
49.00	12.63	63.00	7.64	77.00	5.11	91.00	3.66
49.25	12.50	63.25	7.58	77.25	5.08	91.25	3.64
49.50	12.37	63.50	7.52	77.50	5.05	91.50	3.62
49.75	12.25	63.75	7.46	77.75	5.02	91.75	3.60
50.00	12.13	64.00	7.40	78.00	4.98	92.00	3.58
50.25	12.01	64.25	7.34	78.25	4.95	92.25	3.56
50.50	11.89	64.50	7.29	78.50	4.92	92.50	3.54
50.75	11.77	64.75	7.23	78.75	4.89	92.75	3.52
51.00	11.66	65.00	7.18	79.00	4.86	93.00	3.51
51.25	11.54	65.25	7.12	79.25	4.83	93.25	3.49
51.50	11.43	65.50	7.07	79.50	4.80	93.50	3.47
51.75	11.32	65.75	7.01	79.75	4.77	93.75	3.45
52.00	11.21	66.00	6.96	80.00	4.74	94.00	3.43
52.25	11.11	66.25	6.91	80.25	4.71	94.25	3.41
52.50	11.00	66.50	6.86	80.50	4.68	94.50	3.40
52.75	10.90	66.75	6.80	80.75	4.65	94.75	3.38
53.00	10.79	67.00	6.75	81.00	4.62	95.00	3.36
53.25	10.69	67.25	6.70	81.25	4.59	95.25	3.34
53.50	10.59	67.50	6.65	81.50	4.56	95.50	3.32
53.75	10.49	67.75	6.61	81.75	4.54	95.75	3.31
54.00	10.40	68.00	6.56	82.00	4.51	96.00	3.29

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 7.95 95.4 Inches

BioInitiative ft. 603.00 7236.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	582138.09	10.25	346.30	20.25	88.73	30.25	39.76
0.50	145534.52	10.50	330.01	20.50	86.58	30.50	39.11
0.75	64682.01	10.75	314.84	20.75	84.50	30.75	38.48
1.00	36383.63	11.00	300.69	21.00	82.50	31.00	37.86
1.25	23285.52	11.25	287.48	21.25	80.57	31.25	37.26
1.50	16170.50	11.50	275.11	21.50	78.71	31.50	36.67
1.75	11880.37	11.75	263.53	21.75	76.91	31.75	36.09
2.00	9095.91	12.00	252.66	22.00	75.17	32.00	35.53
2.25	7186.89	12.25	242.46	22.25	73.49	32.25	34.98
2.50	5821.38	12.50	232.86	22.50	71.87	32.50	34.45
2.75	4811.06	12.75	223.81	22.75	70.30	32.75	33.92
3.00	4042.63	13.00	215.29	23.00	68.78	33.00	33.41
3.25	3444.60	13.25	207.24	23.25	67.31	33.25	32.91
3.50	2970.09	13.50	199.64	23.50	65.88	33.50	32.42
3.75	2587.28	13.75	192.44	23.75	64.50	33.75	31.94
4.00	2273.98	14.00	185.63	24.00	63.17	34.00	31.47
4.25	2014.32	14.25	179.17	24.25	61.87	34.25	31.02
4.50	1796.72	14.50	173.05	24.50	60.61	34.50	30.57
4.75	1612.57	14.75	167.23	24.75	59.40	34.75	30.13
5.00	1455.35	15.00	161.71	25.00	58.21	35.00	29.70
5.25	1320.04	15.25	156.45	25.25	57.07	35.25	29.28
5.50	1202.76	15.50	151.44	25.50	55.95	35.50	28.87
5.75	1100.45	15.75	146.67	25.75	54.87	35.75	28.47
6.00	1010.66	16.00	142.12	26.00	53.82	36.00	28.07
6.25	931.42	16.25	137.78	26.25	52.80	36.25	27.69
6.50	861.15	16.50	133.64	26.50	51.81	36.50	27.31
6.75	798.54	16.75	129.68	26.75	50.85	36.75	26.94
7.00	742.52	17.00	125.89	27.00	49.91	37.00	26.58
7.25	692.20	17.25	122.27	27.25	49.00	37.25	26.22
7.50	646.82	17.50	118.80	27.50	48.11	37.50	25.87
7.75	605.76	17.75	115.48	27.75	47.25	37.75	25.53
8.00	568.49	18.00	112.30	28.00	46.41	38.00	25.20
8.25	534.56	18.25	109.24	28.25	45.59	38.25	24.87
8.50	503.58	18.50	106.31	28.50	44.79	38.50	24.55
8.75	475.21	18.75	103.49	28.75	44.02	38.75	24.23
9.00	449.18	19.00	100.79	29.00	43.26	39.00	23.92
9.25	425.23	19.25	98.18	29.25	42.53	39.25	23.62
9.50	403.14	19.50	95.68	29.50	41.81	39.50	23.32
9.75	382.73	19.75	93.28	29.75	41.11	39.75	23.03
10.00	363.84	20.00	90.96	30.00	40.43	40.00	22.74

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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 60%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 7.95

95.42 Inches

BioInitiative ft. 603.00

7236.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	22.46	54.25	12.36	68.25	7.81	82.25	5.38
40.50	22.18	54.50	12.25	68.50	7.75	82.50	5.35
40.75	21.91	54.75	12.14	68.75	7.70	82.75	5.31
41.00	21.64	55.00	12.03	69.00	7.64	83.00	5.28
41.25	21.38	55.25	11.92	69.25	7.59	83.25	5.25
41.50	21.13	55.50	11.81	69.50	7.53	83.50	5.22
41.75	20.87	55.75	11.71	69.75	7.48	83.75	5.19
42.00	20.63	56.00	11.60	70.00	7.43	84.00	5.16
42.25	20.38	56.25	11.50	70.25	7.37	84.25	5.13
42.50	20.14	56.50	11.40	70.50	7.32	84.50	5.10
42.75	19.91	56.75	11.30	70.75	7.27	84.75	5.07
43.00	19.68	57.00	11.20	71.00	7.22	85.00	5.04
43.25	19.45	57.25	11.10	71.25	7.17	85.25	5.01
43.50	19.23	57.50	11.00	71.50	7.12	85.50	4.98
43.75	19.01	57.75	10.91	71.75	7.07	85.75	4.95
44.00	18.79	58.00	10.82	72.00	7.02	86.00	4.92
44.25	18.58	58.25	10.72	72.25	6.97	86.25	4.89
44.50	18.37	58.50	10.63	72.50	6.92	86.50	4.86
44.75	18.17	58.75	10.54	72.75	6.87	86.75	4.83
45.00	17.97	59.00	10.45	73.00	6.83	87.00	4.81
45.25	17.77	59.25	10.36	73.25	6.78	87.25	4.78
45.50	17.57	59.50	10.28	73.50	6.73	87.50	4.75
45.75	17.38	59.75	10.19	73.75	6.69	87.75	4.73
46.00	17.19	60.00	10.11	74.00	6.64	88.00	4.70
46.25	17.01	60.25	10.02	74.25	6.60	88.25	4.67
46.50	16.83	60.50	9.94	74.50	6.56	88.50	4.65
46.75	16.65	60.75	9.86	74.75	6.51	88.75	4.62
47.00	16.47	61.00	9.78	75.00	6.47	89.00	4.59
47.25	16.30	61.25	9.70	75.25	6.43	89.25	4.57
47.50	16.13	61.50	9.62	75.50	6.38	89.50	4.54
47.75	15.96	61.75	9.54	75.75	6.34	89.75	4.52
48.00	15.79	62.00	9.47	76.00	6.30	90.00	4.49
48.25	15.63	62.25	9.39	76.25	6.26	90.25	4.47
48.50	15.47	62.50	9.31	76.50	6.22	90.50	4.44
48.75	15.31	62.75	9.24	76.75	6.18	90.75	4.42
49.00	15.15	63.00	9.17	77.00	6.14	91.00	4.39
49.25	15.00	63.25	9.09	77.25	6.10	91.25	4.37
49.50	14.85	63.50	9.02	77.50	6.06	91.50	4.35
49.75	14.70	63.75	8.95	77.75	6.02	91.75	4.32
50.00	14.55	64.00	8.88	78.00	5.98	92.00	4.30
50.25	14.41	64.25	8.81	78.25	5.94	92.25	4.28
50.50	14.27	64.50	8.75	78.50	5.90	92.50	4.25
50.75	14.13	64.75	8.68	78.75	5.87	92.75	4.23
51.00	13.99	65.00	8.61	79.00	5.83	93.00	4.21
51.25	13.85	65.25	8.55	79.25	5.79	93.25	4.18
51.50	13.72	65.50	8.48	79.50	5.76	93.50	4.16
51.75	13.59	65.75	8.42	79.75	5.72	93.75	4.14
52.00	13.46	66.00	8.35	80.00	5.68	94.00	4.12
52.25	13.33	66.25	8.29	80.25	5.65	94.25	4.10
52.50	13.20	66.50	8.23	80.50	5.61	94.50	4.07
52.75	13.08	66.75	8.17	80.75	5.58	94.75	4.05
53.00	12.95	67.00	8.11	81.00	5.55	95.00	4.03
53.25	12.83	67.25	8.04	81.25	5.51	95.25	4.01
53.50	12.71	67.50	7.99	81.50	5.48	95.50	3.99
53.75	12.59	67.75	7.93	81.75	5.44	95.75	3.97
54.00	12.48	68.00	7.87	82.00	5.41	96.00	3.95

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 8.59 103.1 Inches

BioInitiative ft. 650.00 7800.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	679161.10	10.25	404.02	20.25	103.51	30.25	46.39
0.50	169790.28	10.50	385.01	20.50	101.01	30.50	45.63
0.75	75462.34	10.75	367.31	20.75	98.59	30.75	44.89
1.00	42447.57	11.00	350.81	21.00	96.25	31.00	44.17
1.25	27166.44	11.25	335.39	21.25	94.00	31.25	43.47
1.50	18865.59	11.50	320.96	21.50	91.83	31.50	42.78
1.75	13860.43	11.75	307.45	21.75	89.73	31.75	42.11
2.00	10611.89	12.00	294.77	22.00	87.70	32.00	41.45
2.25	8384.70	12.25	282.87	22.25	85.74	32.25	40.81
2.50	6791.61	12.50	271.66	22.50	83.85	32.50	40.19
2.75	5612.90	12.75	261.12	22.75	82.01	32.75	39.58
3.00	4716.40	13.00	251.17	23.00	80.24	33.00	38.98
3.25	4018.70	13.25	241.78	23.25	78.52	33.25	38.39
3.50	3465.11	13.50	232.91	23.50	76.86	33.50	37.82
3.75	3018.49	13.75	224.52	23.75	75.25	33.75	37.27
4.00	2652.97	14.00	216.57	24.00	73.69	34.00	36.72
4.25	2350.04	14.25	209.04	24.25	72.18	34.25	36.19
4.50	2096.18	14.50	201.89	24.50	70.72	34.50	35.66
4.75	1881.33	14.75	195.11	24.75	69.30	34.75	35.15
5.00	1697.90	15.00	188.66	25.00	67.92	35.00	34.65
5.25	1540.05	15.25	182.52	25.25	66.58	35.25	34.16
5.50	1403.23	15.50	176.68	25.50	65.28	35.50	33.68
5.75	1283.86	15.75	171.12	25.75	64.02	35.75	33.21
6.00	1179.10	16.00	165.81	26.00	62.79	36.00	32.75
6.25	1086.66	16.25	160.75	26.25	61.60	36.25	32.30
6.50	1004.68	16.50	155.91	26.50	60.45	36.50	31.86
6.75	931.63	16.75	151.29	26.75	59.32	36.75	31.43
7.00	866.28	17.00	146.88	27.00	58.23	37.00	31.01
7.25	807.56	17.25	142.65	27.25	57.16	37.25	30.59
7.50	754.62	17.50	138.60	27.50	56.13	37.50	30.18
7.75	706.72	17.75	134.73	27.75	55.12	37.75	29.79
8.00	663.24	18.00	131.01	28.00	54.14	38.00	29.40
8.25	623.66	18.25	127.45	28.25	53.19	38.25	29.01
8.50	587.51	18.50	124.03	28.50	52.26	38.50	28.64
8.75	554.42	18.75	120.74	28.75	51.35	38.75	28.27
9.00	524.04	19.00	117.58	29.00	50.47	39.00	27.91
9.25	496.10	19.25	114.55	29.25	49.61	39.25	27.55
9.50	470.33	19.50	111.63	29.50	48.78	39.50	27.21
9.75	446.52	19.75	108.82	29.75	47.96	39.75	26.86
10.00	424.48	20.00	106.12	30.00	47.16	40.00	26.53

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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 70%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 8.59

103.06 Inches

BioInitiative ft. 650.00

7800.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	26.20	54.25	14.42	68.25	9.11	82.25	6.27
40.50	25.88	54.50	14.29	68.50	9.05	82.50	6.24
40.75	25.56	54.75	14.16	68.75	8.98	82.75	6.20
41.00	25.25	55.00	14.03	69.00	8.92	83.00	6.16
41.25	24.95	55.25	13.91	69.25	8.85	83.25	6.12
41.50	24.65	55.50	13.78	69.50	8.79	83.50	6.09
41.75	24.35	55.75	13.66	69.75	8.72	83.75	6.05
42.00	24.06	56.00	13.54	70.00	8.66	84.00	6.02
42.25	23.78	56.25	13.42	70.25	8.60	84.25	5.98
42.50	23.50	56.50	13.30	70.50	8.54	84.50	5.94
42.75	23.23	56.75	13.18	70.75	8.48	84.75	5.91
43.00	22.96	57.00	13.06	71.00	8.42	85.00	5.88
43.25	22.69	57.25	12.95	71.25	8.36	85.25	5.84
43.50	22.43	57.50	12.84	71.50	8.30	85.50	5.81
43.75	22.18	57.75	12.73	71.75	8.25	85.75	5.77
44.00	21.93	58.00	12.62	72.00	8.19	86.00	5.74
44.25	21.68	58.25	12.51	72.25	8.13	86.25	5.71
44.50	21.44	58.50	12.40	72.50	8.08	86.50	5.67
44.75	21.20	58.75	12.30	72.75	8.02	86.75	5.64
45.00	20.96	59.00	12.19	73.00	7.97	87.00	5.61
45.25	20.73	59.25	12.09	73.25	7.91	87.25	5.58
45.50	20.50	59.50	11.99	73.50	7.86	87.50	5.54
45.75	20.28	59.75	11.89	73.75	7.80	87.75	5.51
46.00	20.06	60.00	11.79	74.00	7.75	88.00	5.48
46.25	19.84	60.25	11.69	74.25	7.70	88.25	5.45
46.50	19.63	60.50	11.60	74.50	7.65	88.50	5.42
46.75	19.42	60.75	11.50	74.75	7.60	88.75	5.39
47.00	19.22	61.00	11.41	75.00	7.55	89.00	5.36
47.25	19.01	61.25	11.31	75.25	7.50	89.25	5.33
47.50	18.81	61.50	11.22	75.50	7.45	89.50	5.30
47.75	18.62	61.75	11.13	75.75	7.40	89.75	5.27
48.00	18.42	62.00	11.04	76.00	7.35	90.00	5.24
48.25	18.23	62.25	10.95	76.25	7.30	90.25	5.21
48.50	18.05	62.50	10.87	76.50	7.25	90.50	5.18
48.75	17.86	62.75	10.78	76.75	7.21	90.75	5.15
49.00	17.68	63.00	10.69	77.00	7.16	91.00	5.13
49.25	17.50	63.25	10.61	77.25	7.11	91.25	5.10
49.50	17.32	63.50	10.53	77.50	7.07	91.50	5.07
49.75	17.15	63.75	10.44	77.75	7.02	91.75	5.04
50.00	16.98	64.00	10.36	78.00	6.98	92.00	5.02
50.25	16.81	64.25	10.28	78.25	6.93	92.25	4.99
50.50	16.64	64.50	10.20	78.50	6.89	92.50	4.96
50.75	16.48	64.75	10.12	78.75	6.84	92.75	4.93
51.00	16.32	65.00	10.05	79.00	6.80	93.00	4.91
51.25	16.16	65.25	9.97	79.25	6.76	93.25	4.88
51.50	16.00	65.50	9.89	79.50	6.72	93.50	4.86
51.75	15.85	65.75	9.82	79.75	6.67	93.75	4.83
52.00	15.70	66.00	9.74	80.00	6.63	94.00	4.80
52.25	15.55	66.25	9.67	80.25	6.59	94.25	4.78
52.50	15.40	66.50	9.60	80.50	6.55	94.50	4.75
52.75	15.25	66.75	9.53	80.75	6.51	94.75	4.73
53.00	15.11	67.00	9.46	81.00	6.47	95.00	4.70
53.25	14.97	67.25	9.39	81.25	6.43	95.25	4.68
53.50	14.83	67.50	9.32	81.50	6.39	95.50	4.65
53.75	14.69	67.75	9.25	81.75	6.35	95.75	4.63
54.00	14.56	68.00	9.18	82.00	6.31	96.00	4.61

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 9.18 110.2 Inches

BioInitiative ft. 695.00 8340.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	776184.12	10.25	461.74	20.25	118.30	30.25	53.01
0.50	194046.03	10.50	440.01	20.50	115.43	30.50	52.15
0.75	86242.68	10.75	419.79	20.75	112.67	30.75	51.30
1.00	48511.51	11.00	400.92	21.00	110.00	31.00	50.48
1.25	31047.36	11.25	383.30	21.25	107.43	31.25	49.68
1.50	21560.67	11.50	366.82	21.50	104.95	31.50	48.89
1.75	15840.49	11.75	351.37	21.75	102.55	31.75	48.12
2.00	12127.88	12.00	336.89	22.00	100.23	32.00	47.37
2.25	9582.52	12.25	323.28	22.25	97.99	32.25	46.64
2.50	7761.84	12.50	310.47	22.50	95.83	32.50	45.93
2.75	6414.74	12.75	298.42	22.75	93.73	32.75	45.23
3.00	5390.17	13.00	287.05	23.00	91.70	33.00	44.55
3.25	4592.81	13.25	276.32	23.25	89.74	33.25	43.88
3.50	3960.12	13.50	266.18	23.50	87.84	33.50	43.23
3.75	3449.71	13.75	256.59	23.75	86.00	33.75	42.59
4.00	3031.97	14.00	247.51	24.00	84.22	34.00	41.96
4.25	2685.76	14.25	238.90	24.25	82.49	34.25	41.35
4.50	2395.63	14.50	230.73	24.50	80.82	34.50	40.76
4.75	2150.09	14.75	222.98	24.75	79.19	34.75	40.17
5.00	1940.46	15.00	215.61	25.00	77.62	35.00	39.60
5.25	1760.05	15.25	208.60	25.25	76.09	35.25	39.04
5.50	1603.69	15.50	201.92	25.50	74.60	35.50	38.49
5.75	1467.27	15.75	195.56	25.75	73.16	35.75	37.96
6.00	1347.54	16.00	189.50	26.00	71.76	36.00	37.43
6.25	1241.89	16.25	183.71	26.25	70.40	36.25	36.92
6.50	1148.20	16.50	178.19	26.50	69.08	36.50	36.41
6.75	1064.72	16.75	172.91	26.75	67.79	36.75	35.92
7.00	990.03	17.00	167.86	27.00	66.55	37.00	35.44
7.25	922.93	17.25	163.03	27.25	65.33	37.25	34.96
7.50	862.43	17.50	158.40	27.50	64.15	37.50	34.50
7.75	807.68	17.75	153.97	27.75	63.00	37.75	34.04
8.00	757.99	18.00	149.73	28.00	61.88	38.00	33.60
8.25	712.75	18.25	145.65	28.25	60.79	38.25	33.16
8.50	671.44	18.50	141.74	28.50	59.72	38.50	32.73
8.75	633.62	18.75	137.99	28.75	58.69	38.75	32.31
9.00	598.91	19.00	134.38	29.00	57.68	39.00	31.89
9.25	566.97	19.25	130.91	29.25	56.70	39.25	31.49
9.50	537.52	19.50	127.58	29.50	55.74	39.50	31.09
9.75	510.31	19.75	124.37	29.75	54.81	39.75	30.70
10.00	485.12	20.00	121.28	30.00	53.90	40.00	30.32

Notes:

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

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 80%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 9.18 110.17 Inches

BioInitiative ft. 695.00 8340.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	29.94	54.25	16.48	68.25	10.41	82.25	7.17
40.50	29.58	54.50	16.33	68.50	10.34	82.50	7.13
40.75	29.21	54.75	16.18	68.75	10.26	82.75	7.08
41.00	28.86	55.00	16.04	69.00	10.19	83.00	7.04
41.25	28.51	55.25	15.89	69.25	10.12	83.25	7.00
41.50	28.17	55.50	15.75	69.50	10.04	83.50	6.96
41.75	27.83	55.75	15.61	69.75	9.97	83.75	6.92
42.00	27.50	56.00	15.47	70.00	9.90	84.00	6.88
42.25	27.18	56.25	15.33	70.25	9.83	84.25	6.83
42.50	26.86	56.50	15.20	70.50	9.76	84.50	6.79
42.75	26.54	56.75	15.06	70.75	9.69	84.75	6.75
43.00	26.24	57.00	14.93	71.00	9.62	85.00	6.71
43.25	25.93	57.25	14.80	71.25	9.56	85.25	6.68
43.50	25.64	57.50	14.67	71.50	9.49	85.50	6.64
43.75	25.34	57.75	14.55	71.75	9.42	85.75	6.60
44.00	25.06	58.00	14.42	72.00	9.36	86.00	6.56
44.25	24.78	58.25	14.30	72.25	9.29	86.25	6.52
44.50	24.50	58.50	14.18	72.50	9.23	86.50	6.48
44.75	24.22	58.75	14.05	72.75	9.17	86.75	6.45
45.00	23.96	59.00	13.94	73.00	9.10	87.00	6.41
45.25	23.69	59.25	13.82	73.25	9.04	87.25	6.37
45.50	23.43	59.50	13.70	73.50	8.98	87.50	6.34
45.75	23.18	59.75	13.59	73.75	8.92	87.75	6.30
46.00	22.93	60.00	13.48	74.00	8.86	88.00	6.26
46.25	22.68	60.25	13.36	74.25	8.80	88.25	6.23
46.50	22.44	60.50	13.25	74.50	8.74	88.50	6.19
46.75	22.20	60.75	13.14	74.75	8.68	88.75	6.16
47.00	21.96	61.00	13.04	75.00	8.62	89.00	6.12
47.25	21.73	61.25	12.93	75.25	8.57	89.25	6.09
47.50	21.50	61.50	12.83	75.50	8.51	89.50	6.06
47.75	21.28	61.75	12.72	75.75	8.45	89.75	6.02
48.00	21.06	62.00	12.62	76.00	8.40	90.00	5.99
48.25	20.84	62.25	12.52	76.25	8.34	90.25	5.96
48.50	20.62	62.50	12.42	76.50	8.29	90.50	5.92
48.75	20.41	62.75	12.32	76.75	8.24	90.75	5.89
49.00	20.20	63.00	12.22	77.00	8.18	91.00	5.86
49.25	20.00	63.25	12.13	77.25	8.13	91.25	5.83
49.50	19.80	63.50	12.03	77.50	8.08	91.50	5.79
49.75	19.60	63.75	11.94	77.75	8.02	91.75	5.76
50.00	19.40	64.00	11.84	78.00	7.97	92.00	5.73
50.25	19.21	64.25	11.75	78.25	7.92	92.25	5.70
50.50	19.02	64.50	11.66	78.50	7.87	92.50	5.67
50.75	18.84	64.75	11.57	78.75	7.82	92.75	5.64
51.00	18.65	65.00	11.48	79.00	7.77	93.00	5.61
51.25	18.47	65.25	11.39	79.25	7.72	93.25	5.58
51.50	18.29	65.50	11.31	79.50	7.68	93.50	5.55
51.75	18.11	65.75	11.22	79.75	7.63	93.75	5.52
52.00	17.94	66.00	11.14	80.00	7.58	94.00	5.49
52.25	17.77	66.25	11.05	80.25	7.53	94.25	5.46
52.50	17.60	66.50	10.97	80.50	7.49	94.50	5.43
52.75	17.43	66.75	10.89	80.75	7.44	94.75	5.40
53.00	17.27	67.00	10.81	81.00	7.39	95.00	5.38
53.25	17.11	67.25	10.73	81.25	7.35	95.25	5.35
53.50	16.95	67.50	10.65	81.50	7.30	95.50	5.32
53.75	16.79	67.75	10.57	81.75	7.26	95.75	5.29
54.00	16.64	68.00	10.49	82.00	7.21	96.00	5.26

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 9.74 116.9 Inches

BioInitiative ft. 739.00 8868.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	873207.13	10.25	519.46	20.25	133.09	30.25	59.64
0.50	218301.78	10.50	495.02	20.50	129.86	30.50	58.67
0.75	97023.01	10.75	472.26	20.75	126.75	30.75	57.72
1.00	54575.45	11.00	451.04	21.00	123.75	31.00	56.79
1.25	34928.29	11.25	431.21	21.25	120.86	31.25	55.89
1.50	24255.75	11.50	412.67	21.50	118.06	31.50	55.00
1.75	17820.55	11.75	395.30	21.75	115.37	31.75	54.14
2.00	13643.86	12.00	379.00	22.00	112.76	32.00	53.30
2.25	10780.33	12.25	363.68	22.25	110.24	32.25	52.47
2.50	8732.07	12.50	349.28	22.50	107.80	32.50	51.67
2.75	7216.59	12.75	335.72	22.75	105.45	32.75	50.88
3.00	6063.94	13.00	322.93	23.00	103.17	33.00	50.12
3.25	5166.91	13.25	310.86	23.25	100.96	33.25	49.36
3.50	4455.14	13.50	299.45	23.50	98.82	33.50	48.63
3.75	3880.92	13.75	288.66	23.75	96.75	33.75	47.91
4.00	3410.97	14.00	278.45	24.00	94.75	34.00	47.21
4.25	3021.48	14.25	268.76	24.25	92.81	34.25	46.52
4.50	2695.08	14.50	259.57	24.50	90.92	34.50	45.85
4.75	2418.86	14.75	250.85	24.75	89.09	34.75	45.19
5.00	2183.02	15.00	242.56	25.00	87.32	35.00	44.55
5.25	1980.06	15.25	234.67	25.25	85.60	35.25	43.92
5.50	1804.15	15.50	227.16	25.50	83.93	35.50	43.31
5.75	1650.68	15.75	220.01	25.75	82.31	35.75	42.70
6.00	1515.98	16.00	213.19	26.00	80.73	36.00	42.11
6.25	1397.13	16.25	206.68	26.25	79.20	36.25	41.53
6.50	1291.73	16.50	200.46	26.50	77.72	36.50	40.96
6.75	1197.81	16.75	194.52	26.75	76.27	36.75	40.41
7.00	1113.78	17.00	188.84	27.00	74.86	37.00	39.87
7.25	1038.30	17.25	183.41	27.25	73.50	37.25	39.33
7.50	970.23	17.50	178.21	27.50	72.17	37.50	38.81
7.75	908.64	17.75	173.22	27.75	70.87	37.75	38.30
8.00	852.74	18.00	168.44	28.00	69.61	38.00	37.79
8.25	801.84	18.25	163.86	28.25	68.38	38.25	37.30
8.50	755.37	18.50	159.46	28.50	67.19	38.50	36.82
8.75	712.82	18.75	155.24	28.75	66.03	38.75	36.35
9.00	673.77	19.00	151.18	29.00	64.89	39.00	35.88
9.25	637.84	19.25	147.28	29.25	63.79	39.25	35.43
9.50	604.71	19.50	143.53	29.50	62.71	39.50	34.98
9.75	574.10	19.75	139.91	29.75	61.66	39.75	34.54
10.00	545.75	20.00	136.44	30.00	60.64	40.00	34.11

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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 90%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 9.74

116.86 Inches

BioInitiative ft. 739.00

8868.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	33.69	54.25	18.54	68.25	11.72	82.25	8.07
40.50	33.27	54.50	18.37	68.50	11.63	82.50	8.02
40.75	32.87	54.75	18.21	68.75	11.55	82.75	7.97
41.00	32.47	55.00	18.04	69.00	11.46	83.00	7.92
41.25	32.07	55.25	17.88	69.25	11.38	83.25	7.87
41.50	31.69	55.50	17.72	69.50	11.30	83.50	7.83
41.75	31.31	55.75	17.56	69.75	11.22	83.75	7.78
42.00	30.94	56.00	17.40	70.00	11.14	84.00	7.73
42.25	30.57	56.25	17.25	70.25	11.06	84.25	7.69
42.50	30.21	56.50	17.10	70.50	10.98	84.50	7.64
42.75	29.86	56.75	16.95	70.75	10.90	84.75	7.60
43.00	29.52	57.00	16.80	71.00	10.83	85.00	7.55
43.25	29.18	57.25	16.65	71.25	10.75	85.25	7.51
43.50	28.84	57.50	16.51	71.50	10.68	85.50	7.47
43.75	28.51	57.75	16.36	71.75	10.60	85.75	7.42
44.00	28.19	58.00	16.22	72.00	10.53	86.00	7.38
44.25	27.87	58.25	16.08	72.25	10.45	86.25	7.34
44.50	27.56	58.50	15.95	72.50	10.38	86.50	7.29
44.75	27.25	58.75	15.81	72.75	10.31	86.75	7.25
45.00	26.95	59.00	15.68	73.00	10.24	87.00	7.21
45.25	26.65	59.25	15.55	73.25	10.17	87.25	7.17
45.50	26.36	59.50	15.42	73.50	10.10	87.50	7.13
45.75	26.07	59.75	15.29	73.75	10.03	87.75	7.09
46.00	25.79	60.00	15.16	74.00	9.97	88.00	7.05
46.25	25.51	60.25	15.03	74.25	9.90	88.25	7.01
46.50	25.24	60.50	14.91	74.50	9.83	88.50	6.97
46.75	24.97	60.75	14.79	74.75	9.77	88.75	6.93
47.00	24.71	61.00	14.67	75.00	9.70	89.00	6.89
47.25	24.45	61.25	14.55	75.25	9.64	89.25	6.85
47.50	24.19	61.50	14.43	75.50	9.57	89.50	6.81
47.75	23.94	61.75	14.31	75.75	9.51	89.75	6.78
48.00	23.69	62.00	14.20	76.00	9.45	90.00	6.74
48.25	23.44	62.25	14.08	76.25	9.39	90.25	6.70
48.50	23.20	62.50	13.97	76.50	9.33	90.50	6.66
48.75	22.96	62.75	13.86	76.75	9.26	90.75	6.63
49.00	22.73	63.00	13.75	77.00	9.20	91.00	6.59
49.25	22.50	63.25	13.64	77.25	9.15	91.25	6.55
49.50	22.27	63.50	13.53	77.50	9.09	91.50	6.52
49.75	22.05	63.75	13.43	77.75	9.03	91.75	6.48
50.00	21.83	64.00	13.32	78.00	8.97	92.00	6.45
50.25	21.61	64.25	13.22	78.25	8.91	92.25	6.41
50.50	21.40	64.50	13.12	78.50	8.86	92.50	6.38
50.75	21.19	64.75	13.02	78.75	8.80	92.75	6.34
51.00	20.98	65.00	12.92	79.00	8.74	93.00	6.31
51.25	20.78	65.25	12.82	79.25	8.69	93.25	6.28
51.50	20.58	65.50	12.72	79.50	8.64	93.50	6.24
51.75	20.38	65.75	12.62	79.75	8.58	93.75	6.21
52.00	20.18	66.00	12.53	80.00	8.53	94.00	6.18
52.25	19.99	66.25	12.43	80.25	8.47	94.25	6.14
52.50	19.80	66.50	12.34	80.50	8.42	94.50	6.11
52.75	19.61	66.75	12.25	80.75	8.37	94.75	6.08
53.00	19.43	67.00	12.16	81.00	8.32	95.00	6.05
53.25	19.25	67.25	12.07	81.25	8.27	95.25	6.02
53.50	19.07	67.50	11.98	81.50	8.22	95.50	5.98
53.75	18.89	67.75	11.89	81.75	8.17	95.75	5.95
54.00	18.72	68.00	11.80	82.00	8.12	96.00	5.92

SMART Meter Power Density Computer Modeling

(1 Collector Meter – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 10.27 123.2 Inches

BioInitiative ft. 778.00 9336.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	970230.15	10.25	577.17	20.25	147.88	30.25	66.27
0.50	242557.54	10.50	550.02	20.50	144.29	30.50	65.19
0.75	107803.35	10.75	524.73	20.75	140.84	30.75	64.13
1.00	60639.38	11.00	501.15	21.00	137.50	31.00	63.10
1.25	38809.21	11.25	479.13	21.25	134.29	31.25	62.09
1.50	26950.84	11.50	458.52	21.50	131.18	31.50	61.11
1.75	19800.62	11.75	439.22	21.75	128.18	31.75	60.15
2.00	15159.85	12.00	421.11	22.00	125.29	32.00	59.22
2.25	11978.15	12.25	404.09	22.25	122.49	32.25	58.30
2.50	9702.30	12.50	388.09	22.50	119.78	32.50	57.41
2.75	8018.43	12.75	373.02	22.75	117.16	32.75	56.54
3.00	6737.71	13.00	358.81	23.00	114.63	33.00	55.68
3.25	5741.01	13.25	345.40	23.25	112.18	33.25	54.85
3.50	4950.15	13.50	332.73	23.50	109.80	33.50	54.03
3.75	4312.13	13.75	320.74	23.75	107.50	33.75	53.24
4.00	3789.96	14.00	309.38	24.00	105.28	34.00	52.46
4.25	3357.20	14.25	298.62	24.25	103.12	34.25	51.69
4.50	2994.54	14.50	288.42	24.50	101.02	34.50	50.95
4.75	2687.62	14.75	278.72	24.75	98.99	34.75	50.22
5.00	2425.58	15.00	269.51	25.00	97.02	35.00	49.50
5.25	2200.07	15.25	260.74	25.25	95.11	35.25	48.80
5.50	2004.61	15.50	252.40	25.50	93.26	35.50	48.12
5.75	1834.08	15.75	244.45	25.75	91.45	35.75	47.45
6.00	1684.43	16.00	236.87	26.00	89.70	36.00	46.79
6.25	1552.37	16.25	229.64	26.25	88.00	36.25	46.15
6.50	1435.25	16.50	222.73	26.50	86.35	36.50	45.52
6.75	1330.91	16.75	216.14	26.75	84.74	36.75	44.90
7.00	1237.54	17.00	209.82	27.00	83.18	37.00	44.29
7.25	1153.66	17.25	203.79	27.25	81.66	37.25	43.70
7.50	1078.03	17.50	198.01	27.50	80.18	37.50	43.12
7.75	1009.60	17.75	192.47	27.75	78.75	37.75	42.55
8.00	947.49	18.00	187.16	28.00	77.35	38.00	41.99
8.25	890.94	18.25	182.07	28.25	75.98	38.25	41.45
8.50	839.30	18.50	177.18	28.50	74.66	38.50	40.91
8.75	792.02	18.75	172.49	28.75	73.36	38.75	40.38
9.00	748.63	19.00	167.98	29.00	72.10	39.00	39.87
9.25	708.71	19.25	163.64	29.25	70.88	39.25	39.36
9.50	671.90	19.50	159.47	29.50	69.68	39.50	38.87
9.75	637.89	19.75	155.46	29.75	68.51	39.75	38.38
10.00	606.39	20.00	151.60	30.00	67.38	40.00	37.90

Notes:

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

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

$$S = \text{Power Density uW/cm}^2$$

$$\text{EIRP} = 1.64 \cdot \text{ERP}$$

$$\pi() = 3.1459$$

$$R = \text{Distance to device}$$

$$\text{TA} = \text{Time average}$$

$$\% \text{Ref} = \text{Percent reflections}$$

2) 60 percent reflections is equivalent to OET Bulletin 65 equation (10)

3) 100 percent reflections is equivalent to OET Bulletin 65 equation (6)

4) 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

5) TPO 0.267 watts at 902.25 to 927.75 MHz from TCB Grant of Equipment Authorization (SK9AMI-4)

6) 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 – 2000% reflections)

Meters 1 Collector Meter

Time Avg: 100%

% Reflection 2000%

Distance where limits are exceeded

FCC ft. 10.27 123.18 Inches

BioInitiative ft. 778.00 9336.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	37.43	54.25	20.60	68.25	13.02	82.25	8.96
40.50	36.97	54.50	20.42	68.50	12.92	82.50	8.91
40.75	36.52	54.75	20.23	68.75	12.83	82.75	8.86
41.00	36.07	55.00	20.05	69.00	12.74	83.00	8.80
41.25	35.64	55.25	19.87	69.25	12.64	83.25	8.75
41.50	35.21	55.50	19.69	69.50	12.55	83.50	8.70
41.75	34.79	55.75	19.51	69.75	12.46	83.75	8.65
42.00	34.38	56.00	19.34	70.00	12.38	84.00	8.59
42.25	33.97	56.25	19.17	70.25	12.29	84.25	8.54
42.50	33.57	56.50	19.00	70.50	12.20	84.50	8.49
42.75	33.18	56.75	18.83	70.75	12.11	84.75	8.44
43.00	32.80	57.00	18.66	71.00	12.03	85.00	8.39
43.25	32.42	57.25	18.50	71.25	11.94	85.25	8.34
43.50	32.05	57.50	18.34	71.50	11.86	85.50	8.30
43.75	31.68	57.75	18.18	71.75	11.78	85.75	8.25
44.00	31.32	58.00	18.03	72.00	11.70	86.00	8.20
44.25	30.97	58.25	17.87	72.25	11.62	86.25	8.15
44.50	30.62	58.50	17.72	72.50	11.54	86.50	8.10
44.75	30.28	58.75	17.57	72.75	11.46	86.75	8.06
45.00	29.95	59.00	17.42	73.00	11.38	87.00	8.01
45.25	29.62	59.25	17.27	73.25	11.30	87.25	7.97
45.50	29.29	59.50	17.13	73.50	11.22	87.50	7.92
45.75	28.97	59.75	16.99	73.75	11.15	87.75	7.88
46.00	28.66	60.00	16.84	74.00	11.07	88.00	7.83
46.25	28.35	60.25	16.70	74.25	11.00	88.25	7.79
46.50	28.04	60.50	16.57	74.50	10.93	88.50	7.74
46.75	27.75	60.75	16.43	74.75	10.85	88.75	7.70
47.00	27.45	61.00	16.30	75.00	10.78	89.00	7.66
47.25	27.16	61.25	16.16	75.25	10.71	89.25	7.61
47.50	26.88	61.50	16.03	75.50	10.64	89.50	7.57
47.75	26.60	61.75	15.90	75.75	10.57	89.75	7.53
48.00	26.32	62.00	15.78	76.00	10.50	90.00	7.49
48.25	26.05	62.25	15.65	76.25	10.43	90.25	7.44
48.50	25.78	62.50	15.52	76.50	10.36	90.50	7.40
48.75	25.52	62.75	15.40	76.75	10.29	90.75	7.36
49.00	25.26	63.00	15.28	77.00	10.23	91.00	7.32
49.25	25.00	63.25	15.16	77.25	10.16	91.25	7.28
49.50	24.75	63.50	15.04	77.50	10.10	91.50	7.24
49.75	24.50	63.75	14.92	77.75	10.03	91.75	7.20
50.00	24.26	64.00	14.80	78.00	9.97	92.00	7.16
50.25	24.02	64.25	14.69	78.25	9.90	92.25	7.13
50.50	23.78	64.50	14.58	78.50	9.84	92.50	7.09
50.75	23.54	64.75	14.46	78.75	9.78	92.75	7.05
51.00	23.31	65.00	14.35	79.00	9.72	93.00	7.01
51.25	23.09	65.25	14.24	79.25	9.66	93.25	6.97
51.50	22.86	65.50	14.13	79.50	9.59	93.50	6.94
51.75	22.64	65.75	14.03	79.75	9.53	93.75	6.90
52.00	22.43	66.00	13.92	80.00	9.47	94.00	6.86
52.25	22.21	66.25	13.82	80.25	9.42	94.25	6.83
52.50	22.00	66.50	13.71	80.50	9.36	94.50	6.79
52.75	21.79	66.75	13.61	80.75	9.30	94.75	6.75
53.00	21.59	67.00	13.51	81.00	9.24	95.00	6.72
53.25	21.39	67.25	13.41	81.25	9.19	95.25	6.68
53.50	21.19	67.50	13.31	81.50	9.13	95.50	6.65
53.75	20.99	67.75	13.21	81.75	9.07	95.75	6.61
54.00	20.80	68.00	13.11	82.00	9.02	96.00	6.58

Table 12 – 100%