

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 1.77	21.2 Inches
BioInitiative ft. 141.00	1692.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	15927.20	10.25	18.94	20.25	4.85	30.25	2.18
0.50	6370.88	10.50	18.05	20.50	4.74	30.50	2.14
0.75	3185.44	10.75	17.22	20.75	4.62	30.75	2.11
1.00	1873.79	11.00	16.45	21.00	4.51	31.00	2.07
1.25	1225.17	11.25	15.72	21.25	4.41	31.25	2.04
1.50	860.93	11.50	15.05	21.50	4.31	31.50	2.01
1.75	637.09	11.75	14.41	21.75	4.21	31.75	1.97
2.00	490.07	12.00	13.82	22.00	4.11	32.00	1.94
2.25	388.47	12.25	13.26	22.25	4.02	32.25	1.91
2.50	315.39	12.50	12.74	22.50	3.93	32.50	1.88
2.75	261.10	12.75	12.24	22.75	3.85	32.75	1.86
3.00	219.69	13.00	11.78	23.00	3.76	33.00	1.83
3.25	187.38	13.25	11.34	23.25	3.68	33.25	1.80
3.50	161.70	13.50	10.92	23.50	3.60	33.50	1.77
3.75	140.95	13.75	10.53	23.75	3.53	33.75	1.75
4.00	123.95	14.00	10.15	24.00	3.46	34.00	1.72
4.25	109.84	14.25	9.80	24.25	3.39	34.25	1.70
4.50	98.01	14.50	9.47	24.50	3.32	34.50	1.67
4.75	88.00	14.75	9.15	24.75	3.25	34.75	1.65
5.00	79.44	15.00	8.85	25.00	3.19	35.00	1.63
5.25	72.07	15.25	8.56	25.25	3.12	35.25	1.60
5.50	65.68	15.50	8.28	25.50	3.06	35.50	1.58
5.75	60.10	15.75	8.02	25.75	3.00	35.75	1.56
6.00	55.21	16.00	7.78	26.00	2.94	36.00	1.54
6.25	50.89	16.25	7.54	26.25	2.89	36.25	1.52
6.50	47.05	16.50	7.31	26.50	2.83	36.50	1.49
6.75	43.64	16.75	7.09	26.75	2.78	36.75	1.47
7.00	40.58	17.00	6.89	27.00	2.73	37.00	1.45
7.25	37.83	17.25	6.69	27.25	2.68	37.25	1.43
7.50	35.35	17.50	6.50	27.50	2.63	37.50	1.42
7.75	33.11	17.75	6.32	27.75	2.59	37.75	1.40
8.00	31.08	18.00	6.14	28.00	2.54	38.00	1.38
8.25	29.22	18.25	5.98	28.25	2.49	38.25	1.36
8.50	27.53	18.50	5.82	28.50	2.45	38.50	1.34
8.75	25.98	18.75	5.66	28.75	2.41	38.75	1.33
9.00	24.56	19.00	5.51	29.00	2.37	39.00	1.31
9.25	23.25	19.25	5.37	29.25	2.33	39.25	1.29
9.50	22.04	19.50	5.23	29.50	2.29	39.50	1.28
9.75	20.93	19.75	5.10	29.75	2.25	39.75	1.26
10.00	19.90	20.00	4.98	30.00	2.21	40.00	1.24

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 – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 1% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 1.77 21.21 Inches
 BioInitiative ft. 141.00 1692.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	1.23	54.25	0.68	68.25	0.43	82.25	0.29
40.50	1.21	54.50	0.67	68.50	0.42	82.50	0.29
40.75	1.20	54.75	0.66	68.75	0.42	82.75	0.29
41.00	1.18	55.00	0.66	69.00	0.42	83.00	0.29
41.25	1.17	55.25	0.65	69.25	0.42	83.25	0.29
41.50	1.16	55.50	0.65	69.50	0.41	83.50	0.29
41.75	1.14	55.75	0.64	69.75	0.41	83.75	0.28
42.00	1.13	56.00	0.63	70.00	0.41	84.00	0.28
42.25	1.12	56.25	0.63	70.25	0.40	84.25	0.28
42.50	1.10	56.50	0.62	70.50	0.40	84.50	0.28
42.75	1.09	56.75	0.62	70.75	0.40	84.75	0.28
43.00	1.08	57.00	0.61	71.00	0.39	85.00	0.28
43.25	1.06	57.25	0.61	71.25	0.39	85.25	0.27
43.50	1.05	57.50	0.60	71.50	0.39	85.50	0.27
43.75	1.04	57.75	0.60	71.75	0.39	85.75	0.27
44.00	1.03	58.00	0.59	72.00	0.38	86.00	0.27
44.25	1.02	58.25	0.59	72.25	0.38	86.25	0.27
44.50	1.01	58.50	0.58	72.50	0.38	86.50	0.27
44.75	0.99	58.75	0.58	72.75	0.38	86.75	0.26
45.00	0.98	59.00	0.57	73.00	0.37	87.00	0.26
45.25	0.97	59.25	0.57	73.25	0.37	87.25	0.26
45.50	0.96	59.50	0.56	73.50	0.37	87.50	0.26
45.75	0.95	59.75	0.56	73.75	0.37	87.75	0.26
46.00	0.94	60.00	0.55	74.00	0.36	88.00	0.26
46.25	0.93	60.25	0.55	74.25	0.36	88.25	0.26
46.50	0.92	60.50	0.54	74.50	0.36	88.50	0.25
46.75	0.91	60.75	0.54	74.75	0.36	88.75	0.25
47.00	0.90	61.00	0.54	75.00	0.35	89.00	0.25
47.25	0.89	61.25	0.53	75.25	0.35	89.25	0.25
47.50	0.88	61.50	0.53	75.50	0.35	89.50	0.25
47.75	0.87	61.75	0.52	75.75	0.35	89.75	0.25
48.00	0.86	62.00	0.52	76.00	0.34	90.00	0.25
48.25	0.86	62.25	0.51	76.25	0.34	90.25	0.24
48.50	0.85	62.50	0.51	76.50	0.34	90.50	0.24
48.75	0.84	62.75	0.51	76.75	0.34	90.75	0.24
49.00	0.83	63.00	0.50	77.00	0.34	91.00	0.24
49.25	0.82	63.25	0.50	77.25	0.33	91.25	0.24
49.50	0.81	63.50	0.49	77.50	0.33	91.50	0.24
49.75	0.80	63.75	0.49	77.75	0.33	91.75	0.24
50.00	0.80	64.00	0.49	78.00	0.33	92.00	0.24
50.25	0.79	64.25	0.48	78.25	0.33	92.25	0.23
50.50	0.78	64.50	0.48	78.50	0.32	92.50	0.23
50.75	0.77	64.75	0.47	78.75	0.32	92.75	0.23
51.00	0.77	65.00	0.47	79.00	0.32	93.00	0.23
51.25	0.76	65.25	0.47	79.25	0.32	93.25	0.23
51.50	0.75	65.50	0.46	79.50	0.32	93.50	0.23
51.75	0.74	65.75	0.46	79.75	0.31	93.75	0.23
52.00	0.74	66.00	0.46	80.00	0.31	94.00	0.23
52.25	0.73	66.25	0.45	80.25	0.31	94.25	0.22
52.50	0.72	66.50	0.45	80.50	0.31	94.50	0.22
52.75	0.72	66.75	0.45	80.75	0.31	94.75	0.22
53.00	0.71	67.00	0.44	81.00	0.30	95.00	0.22
53.25	0.70	67.25	0.44	81.25	0.30	95.25	0.22
53.50	0.70	67.50	0.44	81.50	0.30	95.50	0.22
53.75	0.69	67.75	0.43	81.75	0.30	95.75	0.22
54.00	0.68	68.00	0.43	82.00	0.30	96.00	0.22

Table 16 – 1%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded	
FCC ft. 5.64	67.7 Inches
BioInitiative ft. 447.00	5364.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	159271.98	10.25	189.38	20.25	48.54	30.25	21.76
0.50	63708.79	10.50	180.48	20.50	47.37	30.50	21.40
0.75	31854.40	10.75	172.19	20.75	46.23	30.75	21.05
1.00	18737.88	11.00	164.45	21.00	45.14	31.00	20.72
1.25	12251.69	11.25	157.23	21.25	44.08	31.25	20.39
1.50	8609.30	11.50	150.47	21.50	43.06	31.50	20.06
1.75	6370.88	11.75	144.14	21.75	42.08	31.75	19.75
2.00	4900.68	12.00	138.20	22.00	41.13	32.00	19.44
2.25	3884.68	12.25	132.62	22.25	40.21	32.25	19.14
2.50	3153.90	12.50	127.37	22.50	39.32	32.50	18.85
2.75	2611.02	12.75	122.42	22.75	38.46	32.75	18.56
3.00	2196.85	13.00	117.76	23.00	37.63	33.00	18.28
3.25	1873.79	13.25	113.36	23.25	36.83	33.25	18.01
3.50	1616.97	13.50	109.20	23.50	36.05	33.50	17.74
3.75	1409.49	13.75	105.27	23.75	35.29	33.75	17.48
4.00	1239.47	14.00	101.54	24.00	34.56	34.00	17.22
4.25	1098.43	14.25	98.01	24.25	33.85	34.25	16.97
4.50	980.14	14.50	94.66	24.50	33.16	34.50	16.73
4.75	879.96	14.75	91.48	24.75	32.50	34.75	16.49
5.00	794.37	15.00	88.46	25.00	31.85	35.00	16.25
5.25	720.69	15.25	85.58	25.25	31.22	35.25	16.02
5.50	656.79	15.50	82.85	25.50	30.61	35.50	15.80
5.75	601.03	15.75	80.24	25.75	30.02	35.75	15.58
6.00	552.07	16.00	77.75	26.00	29.45	36.00	15.36
6.25	508.86	16.25	75.38	26.25	28.89	36.25	15.15
6.50	470.52	16.50	73.11	26.50	28.35	36.50	14.94
6.75	436.36	16.75	70.95	26.75	27.82	36.75	14.74
7.00	405.79	17.00	68.87	27.00	27.31	37.00	14.54
7.25	378.32	17.25	66.89	27.25	26.81	37.25	14.35
7.50	353.54	17.50	65.00	27.50	26.32	37.50	14.16
7.75	331.13	17.75	63.18	27.75	25.85	37.75	13.97
8.00	310.77	18.00	61.44	28.00	25.39	38.00	13.79
8.25	292.24	18.25	59.76	28.25	24.94	38.25	13.61
8.50	275.32	18.50	58.16	28.50	24.51	38.50	13.43
8.75	259.82	18.75	56.62	28.75	24.08	38.75	13.26
9.00	245.60	19.00	55.14	29.00	23.67	39.00	13.09
9.25	232.51	19.25	53.72	29.25	23.27	39.25	12.92
9.50	220.45	19.50	52.35	29.50	22.88	39.50	12.76
9.75	209.29	19.75	51.03	29.75	22.49	39.75	12.60
10.00	198.97	20.00	49.76	30.00	22.12	40.00	12.44

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
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Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 10% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 5.64 67.69 Inches
 BioInitiative ft. 447.00 5364.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	12.29	54.25	6.76	68.25	4.27	82.25	2.94
40.50	12.14	54.50	6.70	68.50	4.24	82.50	2.93
40.75	11.99	54.75	6.64	68.75	4.21	82.75	2.91
41.00	11.84	55.00	6.58	69.00	4.18	83.00	2.89
41.25	11.70	55.25	6.52	69.25	4.15	83.25	2.87
41.50	11.56	55.50	6.46	69.50	4.12	83.50	2.86
41.75	11.42	55.75	6.41	69.75	4.09	83.75	2.84
42.00	11.29	56.00	6.35	70.00	4.06	84.00	2.82
42.25	11.15	56.25	6.29	70.25	4.03	84.25	2.80
42.50	11.02	56.50	6.24	70.50	4.01	84.50	2.79
42.75	10.89	56.75	6.18	70.75	3.98	84.75	2.77
43.00	10.77	57.00	6.13	71.00	3.95	85.00	2.76
43.25	10.64	57.25	6.07	71.25	3.92	85.25	2.74
43.50	10.52	57.50	6.02	71.50	3.89	85.50	2.72
43.75	10.40	57.75	5.97	71.75	3.87	85.75	2.71
44.00	10.28	58.00	5.92	72.00	3.84	86.00	2.69
44.25	10.17	58.25	5.87	72.25	3.81	86.25	2.68
44.50	10.05	58.50	5.82	72.50	3.79	86.50	2.66
44.75	9.94	58.75	5.77	72.75	3.76	86.75	2.65
45.00	9.83	59.00	5.72	73.00	3.74	87.00	2.63
45.25	9.72	59.25	5.67	73.25	3.71	87.25	2.62
45.50	9.62	59.50	5.62	73.50	3.69	87.50	2.60
45.75	9.51	59.75	5.58	73.75	3.66	87.75	2.59
46.00	9.41	60.00	5.53	74.00	3.64	88.00	2.57
46.25	9.31	60.25	5.48	74.25	3.61	88.25	2.56
46.50	9.21	60.50	5.44	74.50	3.59	88.50	2.54
46.75	9.11	60.75	5.39	74.75	3.56	88.75	2.53
47.00	9.01	61.00	5.35	75.00	3.54	89.00	2.51
47.25	8.92	61.25	5.31	75.25	3.52	89.25	2.50
47.50	8.82	61.50	5.26	75.50	3.49	89.50	2.49
47.75	8.73	61.75	5.22	75.75	3.47	89.75	2.47
48.00	8.64	62.00	5.18	76.00	3.45	90.00	2.46
48.25	8.55	62.25	5.14	76.25	3.42	90.25	2.44
48.50	8.46	62.50	5.10	76.50	3.40	90.50	2.43
48.75	8.38	62.75	5.06	76.75	3.38	90.75	2.42
49.00	8.29	63.00	5.02	77.00	3.36	91.00	2.40
49.25	8.21	63.25	4.98	77.25	3.34	91.25	2.39
49.50	8.13	63.50	4.94	77.50	3.31	91.50	2.38
49.75	8.04	63.75	4.90	77.75	3.29	91.75	2.37
50.00	7.96	64.00	4.86	78.00	3.27	92.00	2.35
50.25	7.88	64.25	4.82	78.25	3.25	92.25	2.34
50.50	7.81	64.50	4.79	78.50	3.23	92.50	2.33
50.75	7.73	64.75	4.75	78.75	3.21	92.75	2.31
51.00	7.65	65.00	4.71	79.00	3.19	93.00	2.30
51.25	7.58	65.25	4.68	79.25	3.17	93.25	2.29
51.50	7.51	65.50	4.64	79.50	3.15	93.50	2.28
51.75	7.43	65.75	4.61	79.75	3.13	93.75	2.27
52.00	7.36	66.00	4.57	80.00	3.11	94.00	2.25
52.25	7.29	66.25	4.54	80.25	3.09	94.25	2.24
52.50	7.22	66.50	4.50	80.50	3.07	94.50	2.23
52.75	7.15	66.75	4.47	80.75	3.05	94.75	2.22
53.00	7.09	67.00	4.44	81.00	3.03	95.00	2.21
53.25	7.02	67.25	4.40	81.25	3.02	95.25	2.19
53.50	6.96	67.50	4.37	81.50	3.00	95.50	2.18
53.75	6.89	67.75	4.34	81.75	2.98	95.75	2.17
54.00	6.83	68.00	4.31	82.00	2.96	96.00	2.16

Table 16 – 10%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded			
FCC ft.		95.8 Inches	
BioInitiative ft.	630.00	7560.0 Inches	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	318543.95	10.25	378.77	20.25	97.09	30.25	43.51
0.50	127417.58	10.50	360.96	20.50	94.73	30.50	42.80
0.75	63708.79	10.75	344.37	20.75	92.47	30.75	42.11
1.00	37475.76	11.00	328.90	21.00	90.28	31.00	41.43
1.25	24503.38	11.25	314.46	21.25	88.17	31.25	40.77
1.50	17218.59	11.50	300.94	21.50	86.13	31.50	40.13
1.75	12741.76	11.75	288.28	21.75	84.16	31.75	39.50
2.00	9801.35	12.00	276.39	22.00	82.26	32.00	38.88
2.25	7769.36	12.25	265.23	22.25	80.42	32.25	38.28
2.50	6307.80	12.50	254.73	22.50	78.64	32.50	37.70
2.75	5222.03	12.75	244.85	22.75	76.92	32.75	37.12
3.00	4393.71	13.00	235.52	23.00	75.26	33.00	36.56
3.25	3747.58	13.25	226.72	23.25	73.65	33.25	36.01
3.50	3233.95	13.50	218.41	23.50	72.09	33.50	35.48
3.75	2818.97	13.75	210.54	23.75	70.58	33.75	34.95
4.00	2478.94	14.00	203.09	24.00	69.12	34.00	34.44
4.25	2196.85	14.25	196.03	24.25	67.70	34.25	33.94
4.50	1960.27	14.50	189.33	24.50	66.33	34.50	33.45
4.75	1759.91	14.75	182.97	24.75	65.00	34.75	32.97
5.00	1588.75	15.00	176.92	25.00	63.70	35.00	32.50
5.25	1441.38	15.25	171.17	25.25	62.45	35.25	32.04
5.50	1313.58	15.50	165.69	25.50	61.23	35.50	31.59
5.75	1202.05	15.75	160.48	25.75	60.05	35.75	31.15
6.00	1104.14	16.00	155.50	26.00	58.90	36.00	30.72
6.25	1017.71	16.25	150.75	26.25	57.78	36.25	30.30
6.50	941.05	16.50	146.22	26.50	56.70	36.50	29.89
6.75	872.72	16.75	141.89	26.75	55.64	36.75	29.48
7.00	811.58	17.00	137.75	27.00	54.62	37.00	29.08
7.25	756.64	17.25	133.79	27.25	53.62	37.25	28.70
7.50	707.09	17.50	129.99	27.50	52.65	37.50	28.31
7.75	662.25	17.75	126.36	27.75	51.70	37.75	27.94
8.00	621.55	18.00	122.87	28.00	50.78	38.00	27.57
8.25	584.48	18.25	119.53	28.25	49.89	38.25	27.21
8.50	550.64	18.50	116.32	28.50	49.02	38.50	26.86
8.75	519.65	18.75	113.24	28.75	48.17	38.75	26.52
9.00	491.20	19.00	110.28	29.00	47.34	39.00	26.18
9.25	465.03	19.25	107.43	29.25	46.54	39.25	25.85
9.50	440.89	19.50	104.70	29.50	45.75	39.50	25.52
9.75	418.59	19.75	102.06	29.75	44.99	39.75	25.20
10.00	397.93	20.00	99.53	30.00	44.24	40.00	24.89

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 - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 20% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 7.98 95.77 Inches
 BioInitiative ft. 630.00 7560.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	24.58	54.25	13.53	68.25	8.55	82.25	5.89
40.50	24.27	54.50	13.41	68.50	8.49	82.50	5.85
40.75	23.98	54.75	13.28	68.75	8.42	82.75	5.81
41.00	23.69	55.00	13.16	69.00	8.36	83.00	5.78
41.25	23.40	55.25	13.04	69.25	8.30	83.25	5.75
41.50	23.12	55.50	12.93	69.50	8.24	83.50	5.71
41.75	22.84	55.75	12.81	69.75	8.18	83.75	5.68
42.00	22.57	56.00	12.70	70.00	8.13	84.00	5.64
42.25	22.31	56.25	12.58	70.25	8.07	84.25	5.61
42.50	22.04	56.50	12.47	70.50	8.01	84.50	5.58
42.75	21.79	56.75	12.36	70.75	7.95	84.75	5.54
43.00	21.53	57.00	12.26	71.00	7.90	85.00	5.51
43.25	21.29	57.25	12.15	71.25	7.84	85.25	5.48
43.50	21.04	57.50	12.04	71.50	7.79	85.50	5.45
43.75	20.80	57.75	11.94	71.75	7.73	85.75	5.42
44.00	20.57	58.00	11.84	72.00	7.68	86.00	5.38
44.25	20.33	58.25	11.73	72.25	7.63	86.25	5.35
44.50	20.11	58.50	11.63	72.50	7.58	86.50	5.32
44.75	19.88	58.75	11.54	72.75	7.52	86.75	5.29
45.00	19.66	59.00	11.44	73.00	7.47	87.00	5.26
45.25	19.45	59.25	11.34	73.25	7.42	87.25	5.23
45.50	19.23	59.50	11.25	73.50	7.37	87.50	5.20
45.75	19.02	59.75	11.15	73.75	7.32	87.75	5.17
46.00	18.82	60.00	11.06	74.00	7.27	88.00	5.14
46.25	18.61	60.25	10.97	74.25	7.22	88.25	5.11
46.50	18.41	60.50	10.88	74.50	7.17	88.50	5.08
46.75	18.22	60.75	10.79	74.75	7.13	88.75	5.06
47.00	18.02	61.00	10.70	75.00	7.08	89.00	5.03
47.25	17.83	61.25	10.61	75.25	7.03	89.25	5.00
47.50	17.65	61.50	10.53	75.50	6.99	89.50	4.97
47.75	17.46	61.75	10.44	75.75	6.94	89.75	4.94
48.00	17.28	62.00	10.36	76.00	6.89	90.00	4.92
48.25	17.10	62.25	10.28	76.25	6.85	90.25	4.89
48.50	16.93	62.50	10.19	76.50	6.80	90.50	4.86
48.75	16.75	62.75	10.11	76.75	6.76	90.75	4.83
49.00	16.58	63.00	10.03	77.00	6.72	91.00	4.81
49.25	16.42	63.25	9.95	77.25	6.67	91.25	4.78
49.50	16.25	63.50	9.87	77.50	6.63	91.50	4.76
49.75	16.09	63.75	9.80	77.75	6.59	91.75	4.73
50.00	15.93	64.00	9.72	78.00	6.54	92.00	4.70
50.25	15.77	64.25	9.65	78.25	6.50	92.25	4.68
50.50	15.61	64.50	9.57	78.50	6.46	92.50	4.65
50.75	15.46	64.75	9.50	78.75	6.42	92.75	4.63
51.00	15.31	65.00	9.42	79.00	6.38	93.00	4.60
51.25	15.16	65.25	9.35	79.25	6.34	93.25	4.58
51.50	15.01	65.50	9.28	79.50	6.30	93.50	4.55
51.75	14.87	65.75	9.21	79.75	6.26	93.75	4.53
52.00	14.73	66.00	9.14	80.00	6.22	94.00	4.51
52.25	14.58	66.25	9.07	80.25	6.18	94.25	4.48
52.50	14.45	66.50	9.00	80.50	6.14	94.50	4.46
52.75	14.31	66.75	8.94	80.75	6.11	94.75	4.44
53.00	14.17	67.00	8.87	81.00	6.07	95.00	4.41
53.25	14.04	67.25	8.80	81.25	6.03	95.25	4.39
53.50	13.91	67.50	8.74	81.50	5.99	95.50	4.37
53.75	13.78	67.75	8.67	81.75	5.96	95.75	4.34
54.00	13.65	68.00	8.61	82.00	5.92	96.00	4.32

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	9.78 117.3 Inches
BioInitiative ft.	772.00 9264.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	477815.93	10.25	568.15	20.25	145.63	30.25	65.27
0.50	191126.37	10.50	541.43	20.50	142.10	30.50	64.20
0.75	95563.19	10.75	516.56	20.75	138.70	30.75	63.16
1.00	56213.64	11.00	493.36	21.00	135.42	31.00	62.15
1.25	36755.07	11.25	471.68	21.25	132.25	31.25	61.16
1.50	25827.89	11.50	451.41	21.50	129.19	31.50	60.19
1.75	19112.64	11.75	432.41	21.75	126.24	31.75	59.25
2.00	14702.03	12.00	414.59	22.00	123.39	32.00	58.32
2.25	11654.05	12.25	397.85	22.25	120.63	32.25	57.42
2.50	9461.70	12.50	382.10	22.50	117.96	32.50	56.54
2.75	7833.05	12.75	367.27	22.75	115.39	32.75	55.68
3.00	6590.56	13.00	353.28	23.00	112.89	33.00	54.84
3.25	5621.36	13.25	340.08	23.25	110.48	33.25	54.02
3.50	4850.92	13.50	327.61	23.50	108.14	33.50	53.22
3.75	4228.46	13.75	315.81	23.75	105.88	33.75	52.43
4.00	3718.41	14.00	304.63	24.00	103.68	34.00	51.66
4.25	3295.28	14.25	294.04	24.25	101.55	34.25	50.91
4.50	2940.41	14.50	283.99	24.50	99.49	34.50	50.18
4.75	2639.87	14.75	274.45	24.75	97.49	34.75	49.46
5.00	2383.12	15.00	265.38	25.00	95.55	35.00	48.75
5.25	2162.06	15.25	256.75	25.25	93.67	35.25	48.07
5.50	1970.37	15.50	248.54	25.50	91.84	35.50	47.39
5.75	1803.08	15.75	240.71	25.75	90.07	35.75	46.73
6.00	1656.21	16.00	233.25	26.00	88.35	36.00	46.08
6.25	1526.57	16.25	226.13	26.25	86.67	36.25	45.45
6.50	1411.57	16.50	219.33	26.50	85.04	36.50	44.83
6.75	1309.08	16.75	212.84	26.75	83.46	36.75	44.22
7.00	1217.37	17.00	206.62	27.00	81.92	37.00	43.63
7.25	1134.95	17.25	200.68	27.25	80.43	37.25	43.04
7.50	1060.63	17.50	194.99	27.50	78.97	37.50	42.47
7.75	993.38	17.75	189.53	27.75	77.55	37.75	41.91
8.00	932.32	18.00	184.31	28.00	76.18	38.00	41.36
8.25	876.73	18.25	179.29	28.25	74.83	38.25	40.82
8.50	825.96	18.50	174.48	28.50	73.53	38.50	40.29
8.75	779.47	18.75	169.86	28.75	72.25	38.75	39.77
9.00	736.80	19.00	165.42	29.00	71.01	39.00	39.27
9.25	697.54	19.25	161.15	29.25	69.81	39.25	38.77
9.50	661.34	19.50	157.05	29.50	68.63	39.50	38.28
9.75	627.88	19.75	153.10	29.75	67.48	39.75	37.80
10.00	596.90	20.00	149.29	30.00	66.36	40.00	37.33

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 – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 30% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 9.78 117.31 Inches
 BioInitiative ft. 772.00 9264.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	36.87	54.25	20.29	68.25	12.82	82.25	8.83
40.50	36.41	54.50	20.11	68.50	12.73	82.50	8.78
40.75	35.97	54.75	19.92	68.75	12.64	82.75	8.72
41.00	35.53	55.00	19.74	69.00	12.54	83.00	8.67
41.25	35.10	55.25	19.57	69.25	12.45	83.25	8.62
41.50	34.68	55.50	19.39	69.50	12.37	83.50	8.57
41.75	34.26	55.75	19.22	69.75	12.28	83.75	8.52
42.00	33.86	56.00	19.05	70.00	12.19	84.00	8.46
42.25	33.46	56.25	18.88	70.25	12.10	84.25	8.41
42.50	33.07	56.50	18.71	70.50	12.02	84.50	8.36
42.75	32.68	56.75	18.55	70.75	11.93	84.75	8.32
43.00	32.30	57.00	18.38	71.00	11.85	85.00	8.27
43.25	31.93	57.25	18.22	71.25	11.77	85.25	8.22
43.50	31.56	57.50	18.06	71.50	11.68	85.50	8.17
43.75	31.20	57.75	17.91	71.75	11.60	85.75	8.12
44.00	30.85	58.00	17.75	72.00	11.52	86.00	8.08
44.25	30.50	58.25	17.60	72.25	11.44	86.25	8.03
44.50	30.16	58.50	17.45	72.50	11.36	86.50	7.98
44.75	29.82	58.75	17.30	72.75	11.28	86.75	7.94
45.00	29.49	59.00	17.16	73.00	11.21	87.00	7.89
45.25	29.17	59.25	17.01	73.25	11.13	87.25	7.85
45.50	28.85	59.50	16.87	73.50	11.06	87.50	7.80
45.75	28.53	59.75	16.73	73.75	10.98	87.75	7.76
46.00	28.23	60.00	16.59	74.00	10.91	88.00	7.71
46.25	27.92	60.25	16.45	74.25	10.83	88.25	7.67
46.50	27.62	60.50	16.32	74.50	10.76	88.50	7.63
46.75	27.33	60.75	16.18	74.75	10.69	88.75	7.58
47.00	27.04	61.00	16.05	75.00	10.62	89.00	7.54
47.25	26.75	61.25	15.92	75.25	10.55	89.25	7.50
47.50	26.47	61.50	15.79	75.50	10.48	89.50	7.46
47.75	26.19	61.75	15.66	75.75	10.41	89.75	7.41
48.00	25.92	62.00	15.54	76.00	10.34	90.00	7.37
48.25	25.65	62.25	15.41	76.25	10.27	90.25	7.33
48.50	25.39	62.50	15.29	76.50	10.21	90.50	7.29
48.75	25.13	62.75	15.17	76.75	10.14	90.75	7.25
49.00	24.88	63.00	15.05	77.00	10.07	91.00	7.21
49.25	24.62	63.25	14.93	77.25	10.01	91.25	7.17
49.50	24.38	63.50	14.81	77.50	9.94	91.50	7.13
49.75	24.13	63.75	14.70	77.75	9.88	91.75	7.10
50.00	23.89	64.00	14.58	78.00	9.82	92.00	7.06
50.25	23.65	64.25	14.47	78.25	9.75	92.25	7.02
50.50	23.42	64.50	14.36	78.50	9.69	92.50	6.98
50.75	23.19	64.75	14.25	78.75	9.63	92.75	6.94
51.00	22.96	65.00	14.14	79.00	9.57	93.00	6.91
51.25	22.74	65.25	14.03	79.25	9.51	93.25	6.87
51.50	22.52	65.50	13.92	79.50	9.45	93.50	6.83
51.75	22.30	65.75	13.82	79.75	9.39	93.75	6.80
52.00	22.09	66.00	13.71	80.00	9.33	94.00	6.76
52.25	21.88	66.25	13.61	80.25	9.27	94.25	6.72
52.50	21.67	66.50	13.51	80.50	9.22	94.50	6.69
52.75	21.46	66.75	13.40	80.75	9.16	94.75	6.65
53.00	21.26	67.00	13.31	81.00	9.10	95.00	6.62
53.25	21.06	67.25	13.21	81.25	9.05	95.25	6.58
53.50	20.87	67.50	13.11	81.50	8.99	95.50	6.55
53.75	20.67	67.75	13.01	81.75	8.94	95.75	6.51
54.00	20.48	68.00	12.92	82.00	8.88	96.00	6.48

Table 16 – 30%

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	11.29 135.5 Inches
BioInitiative ft.	892.00 10704.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	637087.91	10.25	757.54	20.25	194.17	30.25	87.02
0.50	254835.16	10.50	721.91	20.50	189.47	30.50	85.60
0.75	127417.58	10.75	688.74	20.75	184.93	30.75	84.22
1.00	74951.52	11.00	657.81	21.00	180.55	31.00	82.86
1.25	49006.76	11.25	628.91	21.25	176.33	31.25	81.54
1.50	34437.18	11.50	601.88	21.50	172.26	31.50	80.25
1.75	25483.52	11.75	576.55	21.75	168.32	31.75	78.99
2.00	19602.70	12.00	552.79	22.00	164.52	32.00	77.76
2.25	15538.73	12.25	530.46	22.25	160.84	32.25	76.56
2.50	12615.60	12.50	509.47	22.50	157.29	32.50	75.39
2.75	10444.06	12.75	489.69	22.75	153.85	32.75	74.24
3.00	8787.42	13.00	471.04	23.00	150.52	33.00	73.12
3.25	7495.15	13.25	453.44	23.25	147.30	33.25	72.03
3.50	6467.90	13.50	436.81	23.50	144.19	33.50	70.96
3.75	5637.95	13.75	421.08	23.75	141.17	33.75	69.91
4.00	4957.88	14.00	406.18	24.00	138.24	34.00	68.89
4.25	4393.71	14.25	392.05	24.25	135.41	34.25	67.88
4.50	3920.54	14.50	378.66	24.50	132.66	34.50	66.90
4.75	3519.82	14.75	365.93	24.75	129.99	34.75	65.94
5.00	3177.50	15.00	353.84	25.00	127.40	35.00	65.01
5.25	2882.75	15.25	342.34	25.25	124.89	35.25	64.09
5.50	2627.17	15.50	331.39	25.50	122.46	35.50	63.19
5.75	2404.11	15.75	320.95	25.75	120.09	35.75	62.31
6.00	2208.28	16.00	311.00	26.00	117.79	36.00	61.44
6.25	2035.42	16.25	301.51	26.25	115.56	36.25	60.60
6.50	1882.09	16.50	292.44	26.50	113.39	36.50	59.77
6.75	1745.45	16.75	283.78	26.75	111.28	36.75	58.96
7.00	1623.15	17.00	275.50	27.00	109.23	37.00	58.17
7.25	1513.27	17.25	267.57	27.25	107.24	37.25	57.39
7.50	1414.18	17.50	259.98	27.50	105.30	37.50	56.63
7.75	1324.51	17.75	252.71	27.75	103.41	37.75	55.88
8.00	1243.10	18.00	245.74	28.00	101.57	38.00	55.15
8.25	1168.97	18.25	239.06	28.25	99.78	38.25	54.43
8.50	1101.28	18.50	232.64	28.50	98.04	38.50	53.72
8.75	1039.30	18.75	226.48	28.75	96.34	38.75	53.03
9.00	982.40	19.00	220.56	29.00	94.68	39.00	52.36
9.25	930.06	19.25	214.87	29.25	93.07	39.25	51.69
9.50	881.78	19.50	209.40	29.50	91.50	39.50	51.04
9.75	837.17	19.75	204.13	29.75	89.97	39.75	50.40
10.00	795.86	20.00	199.06	30.00	88.48	40.00	49.77

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 – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 40% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 11.29 135.47 Inches
 BioInitiative ft. 892.00 10704.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	49.15	54.25	27.06	68.25	17.10	82.25	11.77
40.50	48.55	54.50	26.81	68.50	16.97	82.50	11.70
40.75	47.96	54.75	26.57	68.75	16.85	82.75	11.63
41.00	47.37	55.00	26.33	69.00	16.73	83.00	11.56
41.25	46.80	55.25	26.09	69.25	16.61	83.25	11.49
41.50	46.24	55.50	25.85	69.50	16.49	83.50	11.42
41.75	45.69	55.75	25.62	69.75	16.37	83.75	11.35
42.00	45.14	56.00	25.39	70.00	16.25	84.00	11.29
42.25	44.61	56.25	25.17	70.25	16.14	84.25	11.22
42.50	44.09	56.50	24.95	70.50	16.02	84.50	11.15
42.75	43.57	56.75	24.73	70.75	15.91	84.75	11.09
43.00	43.07	57.00	24.51	71.00	15.80	85.00	11.02
43.25	42.57	57.25	24.30	71.25	15.69	85.25	10.96
43.50	42.08	57.50	24.09	71.50	15.58	85.50	10.89
43.75	41.60	57.75	23.88	71.75	15.47	85.75	10.83
44.00	41.13	58.00	23.67	72.00	15.36	86.00	10.77
44.25	40.67	58.25	23.47	72.25	15.26	86.25	10.71
44.50	40.21	58.50	23.27	72.50	15.15	86.50	10.64
44.75	39.77	58.75	23.07	72.75	15.05	86.75	10.58
45.00	39.33	59.00	22.88	73.00	14.94	87.00	10.52
45.25	38.89	59.25	22.68	73.25	14.84	87.25	10.46
45.50	38.47	59.50	22.49	73.50	14.74	87.50	10.40
45.75	38.05	59.75	22.31	73.75	14.64	87.75	10.34
46.00	37.63	60.00	22.12	74.00	14.54	88.00	10.28
46.25	37.23	60.25	21.94	74.25	14.44	88.25	10.23
46.50	36.83	60.50	21.76	74.50	14.35	88.50	10.17
46.75	36.44	60.75	21.58	74.75	14.25	88.75	10.11
47.00	36.05	61.00	21.40	75.00	14.16	89.00	10.05
47.25	35.67	61.25	21.23	75.25	14.06	89.25	10.00
47.50	35.29	61.50	21.05	75.50	13.97	89.50	9.94
47.75	34.93	61.75	20.88	75.75	13.88	89.75	9.89
48.00	34.56	62.00	20.72	76.00	13.79	90.00	9.83
48.25	34.21	62.25	20.55	76.25	13.70	90.25	9.78
48.50	33.85	62.50	20.39	76.50	13.61	90.50	9.72
48.75	33.51	62.75	20.22	76.75	13.52	90.75	9.67
49.00	33.17	63.00	20.06	77.00	13.43	91.00	9.62
49.25	32.83	63.25	19.91	77.25	13.34	91.25	9.56
49.50	32.50	63.50	19.75	77.50	13.26	91.50	9.51
49.75	32.17	63.75	19.59	77.75	13.17	91.75	9.46
50.00	31.85	64.00	19.44	78.00	13.09	92.00	9.41
50.25	31.54	64.25	19.29	78.25	13.01	92.25	9.36
50.50	31.23	64.50	19.14	78.50	12.92	92.50	9.31
50.75	30.92	64.75	18.99	78.75	12.84	92.75	9.26
51.00	30.62	65.00	18.85	79.00	12.76	93.00	9.21
51.25	30.32	65.25	18.70	79.25	12.68	93.25	9.16
51.50	30.03	65.50	18.56	79.50	12.60	93.50	9.11
51.75	29.74	65.75	18.42	79.75	12.52	93.75	9.06
52.00	29.45	66.00	18.28	80.00	12.44	94.00	9.01
52.25	29.17	66.25	18.14	80.25	12.37	94.25	8.96
52.50	28.89	66.50	18.01	80.50	12.29	94.50	8.92
52.75	28.62	66.75	17.87	80.75	12.21	94.75	8.87
53.00	28.35	67.00	17.74	81.00	12.14	95.00	8.82
53.25	28.08	67.25	17.61	81.25	12.06	95.25	8.78
53.50	27.82	67.50	17.48	81.50	11.99	95.50	8.73
53.75	27.56	67.75	17.35	81.75	11.92	95.75	8.69
54.00	27.31	68.00	17.22	82.00	11.84	96.00	8.64

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	12.62 151.5 Inches
BioInitiative ft.	997.00 11964.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	796359.88	10.25	946.92	20.25	242.72	30.25	108.78
0.50	318543.95	10.50	902.39	20.50	236.84	30.50	107.00
0.75	159271.98	10.75	860.93	20.75	231.16	30.75	105.27
1.00	93689.40	11.00	822.26	21.00	225.69	31.00	103.58
1.25	61258.45	11.25	786.14	21.25	220.42	31.25	101.93
1.50	43046.48	11.50	752.35	21.50	215.32	31.50	100.32
1.75	31854.40	11.75	720.69	21.75	210.40	31.75	98.74
2.00	24503.38	12.00	690.98	22.00	205.64	32.00	97.21
2.25	19423.41	12.25	663.08	22.25	201.05	32.25	95.70
2.50	15769.50	12.50	636.83	22.50	196.61	32.50	94.24
2.75	13055.08	12.75	612.11	22.75	192.31	32.75	92.81
3.00	10984.27	13.00	588.81	23.00	188.15	33.00	91.40
3.25	9368.94	13.25	566.80	23.25	184.13	33.25	90.04
3.50	8084.87	13.50	546.01	23.50	180.23	33.50	88.70
3.75	7047.43	13.75	526.34	23.75	176.46	33.75	87.39
4.00	6197.35	14.00	507.72	24.00	172.80	34.00	86.11
4.25	5492.14	14.25	490.07	24.25	169.26	34.25	84.85
4.50	4900.68	14.50	473.32	24.50	165.82	34.50	83.63
4.75	4399.78	14.75	457.42	24.75	162.49	34.75	82.43
5.00	3971.87	15.00	442.30	25.00	159.26	35.00	81.26
5.25	3603.44	15.25	427.92	25.25	156.12	35.25	80.11
5.50	3283.96	15.50	414.23	25.50	153.07	35.50	78.98
5.75	3005.13	15.75	401.19	25.75	150.11	35.75	77.88
6.00	2760.35	16.00	388.75	26.00	147.24	36.00	76.81
6.25	2544.28	16.25	376.89	26.25	144.45	36.25	75.75
6.50	2352.61	16.50	365.55	26.50	141.74	36.50	74.72
6.75	2181.81	16.75	354.73	26.75	139.10	36.75	73.70
7.00	2028.94	17.00	344.37	27.00	136.54	37.00	72.71
7.25	1891.59	17.25	334.46	27.25	134.04	37.25	71.74
7.50	1767.72	17.50	324.98	27.50	131.62	37.50	70.78
7.75	1655.63	17.75	315.89	27.75	129.26	37.75	69.85
8.00	1553.87	18.00	307.18	28.00	126.96	38.00	68.93
8.25	1461.21	18.25	298.82	28.25	124.72	38.25	68.04
8.50	1376.59	18.50	290.80	28.50	122.55	38.50	67.16
8.75	1299.12	18.75	283.10	28.75	120.42	38.75	66.29
9.00	1228.00	19.00	275.70	29.00	118.36	39.00	65.44
9.25	1162.57	19.25	268.59	29.25	116.34	39.25	64.61
9.50	1102.23	19.50	261.75	29.50	114.38	39.50	63.80
9.75	1046.47	19.75	255.16	29.75	112.46	39.75	63.00
10.00	994.83	20.00	248.82	30.00	110.60	40.00	62.21

Notes:

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

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 50% % Reflection 2000%

Distance where limits are exceeded
FCC ft. 12.62 151.47 Inches
BioInitiative ft. 997.00 11964.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	61.44	54.25	33.82	68.25	21.37	82.25	14.71
40.50	60.69	54.50	33.51	68.50	21.21	82.50	14.63
40.75	59.94	54.75	33.21	68.75	21.06	82.75	14.54
41.00	59.22	55.00	32.91	69.00	20.91	83.00	14.45
41.25	58.50	55.25	32.61	69.25	20.76	83.25	14.36
41.50	57.80	55.50	32.32	69.50	20.61	83.50	14.28
41.75	57.11	55.75	32.03	69.75	20.46	83.75	14.19
42.00	56.43	56.00	31.74	70.00	20.32	84.00	14.11
42.25	55.76	56.25	31.46	70.25	20.17	84.25	14.02
42.50	55.11	56.50	31.18	70.50	20.03	84.50	13.94
42.75	54.47	56.75	30.91	70.75	19.89	84.75	13.86
43.00	53.84	57.00	30.64	71.00	19.75	85.00	13.78
43.25	53.21	57.25	30.37	71.25	19.61	85.25	13.70
43.50	52.60	57.50	30.11	71.50	19.47	85.50	13.62
43.75	52.01	57.75	29.85	71.75	19.34	85.75	13.54
44.00	51.42	58.00	29.59	72.00	19.20	86.00	13.46
44.25	50.84	58.25	29.34	72.25	19.07	86.25	13.38
44.50	50.27	58.50	29.09	72.50	18.94	86.50	13.30
44.75	49.71	58.75	28.84	72.75	18.81	86.75	13.23
45.00	49.16	59.00	28.60	73.00	18.68	87.00	13.15
45.25	48.61	59.25	28.36	73.25	18.55	87.25	13.08
45.50	48.08	59.50	28.12	73.50	18.43	87.50	13.00
45.75	47.56	59.75	27.88	73.75	18.30	87.75	12.93
46.00	47.04	60.00	27.65	74.00	18.18	88.00	12.85
46.25	46.54	60.25	27.42	74.25	18.06	88.25	12.78
46.50	46.04	60.50	27.20	74.50	17.94	88.50	12.71
46.75	45.55	60.75	26.97	74.75	17.82	88.75	12.64
47.00	45.06	61.00	26.75	75.00	17.70	89.00	12.57
47.25	44.59	61.25	26.53	75.25	17.58	89.25	12.50
47.50	44.12	61.50	26.32	75.50	17.46	89.50	12.43
47.75	43.66	61.75	26.11	75.75	17.35	89.75	12.36
48.00	43.20	62.00	25.90	76.00	17.23	90.00	12.29
48.25	42.76	62.25	25.69	76.25	17.12	90.25	12.22
48.50	42.32	62.50	25.48	76.50	17.01	90.50	12.15
48.75	41.89	62.75	25.28	76.75	16.90	90.75	12.09
49.00	41.46	63.00	25.08	77.00	16.79	91.00	12.02
49.25	41.04	63.25	24.88	77.25	16.68	91.25	11.96
49.50	40.63	63.50	24.69	77.50	16.57	91.50	11.89
49.75	40.22	63.75	24.49	77.75	16.47	91.75	11.83
50.00	39.82	64.00	24.30	78.00	16.36	92.00	11.76
50.25	39.42	64.25	24.11	78.25	16.26	92.25	11.70
50.50	39.03	64.50	23.93	78.50	16.15	92.50	11.63
50.75	38.65	64.75	23.74	78.75	16.05	92.75	11.57
51.00	38.27	65.00	23.56	79.00	15.95	93.00	11.51
51.25	37.90	65.25	23.38	79.25	15.85	93.25	11.45
51.50	37.53	65.50	23.20	79.50	15.75	93.50	11.39
51.75	37.17	65.75	23.03	79.75	15.65	93.75	11.33
52.00	36.81	66.00	22.85	80.00	15.55	94.00	11.27
52.25	36.46	66.25	22.68	80.25	15.46	94.25	11.21
52.50	36.12	66.50	22.51	80.50	15.36	94.50	11.15
52.75	35.77	66.75	22.34	80.75	15.27	94.75	11.09
53.00	35.44	67.00	22.18	81.00	15.17	95.00	11.03
53.25	35.11	67.25	22.01	81.25	15.08	95.25	10.97
53.50	34.78	67.50	21.85	81.50	14.99	95.50	10.91
53.75	34.46	67.75	21.69	81.75	14.89	95.75	10.86
54.00	34.14	68.00	21.53	82.00	14.80	96.00	10.80

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	13.83 165.9 Inches
BioInitiative ft.	1093.00 13116.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	955631.86	10.25	1136.30	20.25	291.26	30.25	130.53
0.50	382252.74	10.50	1082.87	20.50	284.20	30.50	128.40
0.75	191126.37	10.75	1033.12	20.75	277.40	30.75	126.32
1.00	112427.28	11.00	986.71	21.00	270.83	31.00	124.29
1.25	73510.14	11.25	943.37	21.25	264.50	31.25	122.31
1.50	51655.78	11.50	902.82	21.50	258.38	31.50	120.38
1.75	38225.27	11.75	864.83	21.75	252.48	31.75	118.49
2.00	29404.06	12.00	829.18	22.00	246.77	32.00	116.65
2.25	23308.09	12.25	795.70	22.25	241.26	32.25	114.85
2.50	18923.40	12.50	764.20	22.50	235.93	32.50	113.09
2.75	15666.10	12.75	734.54	22.75	230.77	32.75	111.37
3.00	13181.13	13.00	706.57	23.00	225.78	33.00	109.69
3.25	11242.73	13.25	680.17	23.25	220.96	33.25	108.04
3.50	9701.85	13.50	655.22	23.50	216.28	33.50	106.44
3.75	8456.92	13.75	631.61	23.75	211.75	33.75	104.86
4.00	7436.82	14.00	609.26	24.00	207.36	34.00	103.33
4.25	6590.56	14.25	588.08	24.25	203.11	34.25	101.83
4.50	5880.81	14.50	567.98	24.50	198.99	34.50	100.36
4.75	5279.73	14.75	548.90	24.75	194.99	34.75	98.92
5.00	4766.24	15.00	530.76	25.00	191.11	35.00	97.51
5.25	4324.13	15.25	513.50	25.25	187.34	35.25	96.13
5.50	3940.75	15.50	497.08	25.50	183.69	35.50	94.78
5.75	3606.16	15.75	481.43	25.75	180.14	35.75	93.46
6.00	3312.42	16.00	466.50	26.00	176.69	36.00	92.17
6.25	3053.14	16.25	452.26	26.25	173.34	36.25	90.90
6.50	2823.14	16.50	438.67	26.50	170.09	36.50	89.66
6.75	2618.17	16.75	425.67	26.75	166.92	36.75	88.44
7.00	2434.73	17.00	413.25	27.00	163.85	37.00	87.25
7.25	2269.91	17.25	401.36	27.25	160.85	37.25	86.09
7.50	2121.27	17.50	389.97	27.50	157.94	37.50	84.94
7.75	1986.76	17.75	379.07	27.75	155.11	37.75	83.82
8.00	1864.65	18.00	368.61	28.00	152.35	38.00	82.72
8.25	1753.45	18.25	358.59	28.25	149.67	38.25	81.64
8.50	1651.91	18.50	348.96	28.50	147.05	38.50	80.59
8.75	1558.94	18.75	339.72	28.75	144.51	38.75	79.55
9.00	1473.60	19.00	330.84	29.00	142.03	39.00	78.53
9.25	1395.08	19.25	322.30	29.25	139.61	39.25	77.54
9.50	1322.67	19.50	314.09	29.50	137.25	39.50	76.56
9.75	1255.76	19.75	306.19	29.75	134.96	39.75	75.60
10.00	1193.79	20.00	298.59	30.00	132.72	40.00	74.66

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 – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 60% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 13.83 165.94 Inches
 BioInitiative ft. 1093.00 13116.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	73.73	54.25	40.59	68.25	25.64	82.25	17.66
40.50	72.82	54.50	40.22	68.50	25.46	82.50	17.55
40.75	71.93	54.75	39.85	68.75	25.27	82.75	17.44
41.00	71.06	55.00	39.49	69.00	25.09	83.00	17.34
41.25	70.20	55.25	39.13	69.25	24.91	83.25	17.24
41.50	69.36	55.50	38.78	69.50	24.73	83.50	17.13
41.75	68.53	55.75	38.43	69.75	24.55	83.75	17.03
42.00	67.72	56.00	38.09	70.00	24.38	84.00	16.93
42.25	66.92	56.25	37.75	70.25	24.20	84.25	16.83
42.50	66.13	56.50	37.42	70.50	24.03	84.50	16.73
42.75	65.36	56.75	37.09	70.75	23.86	84.75	16.63
43.00	64.60	57.00	36.77	71.00	23.70	85.00	16.53
43.25	63.86	57.25	36.45	71.25	23.53	85.25	16.44
43.50	63.13	57.50	36.13	71.50	23.37	85.50	16.34
43.75	62.41	57.75	35.82	71.75	23.20	85.75	16.25
44.00	61.70	58.00	35.51	72.00	23.04	86.00	16.15
44.25	61.00	58.25	35.20	72.25	22.88	86.25	16.06
44.50	60.32	58.50	34.90	72.50	22.73	86.50	15.96
44.75	59.65	58.75	34.61	72.75	22.57	86.75	15.87
45.00	58.99	59.00	34.32	73.00	22.42	87.00	15.78
45.25	58.34	59.25	34.03	73.25	22.26	87.25	15.69
45.50	57.70	59.50	33.74	73.50	22.11	87.50	15.60
45.75	57.07	59.75	33.46	73.75	21.96	87.75	15.51
46.00	56.45	60.00	33.18	74.00	21.81	88.00	15.43
46.25	55.84	60.25	32.91	74.25	21.67	88.25	15.34
46.50	55.24	60.50	32.63	74.50	21.52	88.50	15.25
46.75	54.65	60.75	32.37	74.75	21.38	88.75	15.17
47.00	54.07	61.00	32.10	75.00	21.24	89.00	15.08
47.25	53.50	61.25	31.84	75.25	21.10	89.25	15.00
47.50	52.94	61.50	31.58	75.50	20.96	89.50	14.91
47.75	52.39	61.75	31.33	75.75	20.82	89.75	14.83
48.00	51.84	62.00	31.07	76.00	20.68	90.00	14.75
48.25	51.31	62.25	30.83	76.25	20.55	90.25	14.67
48.50	50.78	62.50	30.58	76.50	20.41	90.50	14.58
48.75	50.26	62.75	30.34	76.75	20.28	90.75	14.50
49.00	49.75	63.00	30.10	77.00	20.15	91.00	14.42
49.25	49.25	63.25	29.86	77.25	20.02	91.25	14.35
49.50	48.75	63.50	29.62	77.50	19.89	91.50	14.27
49.75	48.26	63.75	29.39	77.75	19.76	91.75	14.19
50.00	47.78	64.00	29.16	78.00	19.63	92.00	14.11
50.25	47.31	64.25	28.94	78.25	19.51	92.25	14.04
50.50	46.84	64.50	28.71	78.50	19.38	92.50	13.96
50.75	46.38	64.75	28.49	78.75	19.26	92.75	13.89
51.00	45.93	65.00	28.27	79.00	19.14	93.00	13.81
51.25	45.48	65.25	28.06	79.25	19.02	93.25	13.74
51.50	45.04	65.50	27.84	79.50	18.90	93.50	13.66
51.75	44.60	65.75	27.63	79.75	18.78	93.75	13.59
52.00	44.18	66.00	27.42	80.00	18.66	94.00	13.52
52.25	43.75	66.25	27.22	80.25	18.55	94.25	13.45
52.50	43.34	66.50	27.01	80.50	18.43	94.50	13.38
52.75	42.93	66.75	26.81	80.75	18.32	94.75	13.31
53.00	42.52	67.00	26.61	81.00	18.21	95.00	13.24
53.25	42.13	67.25	26.41	81.25	18.09	95.25	13.17
53.50	41.73	67.50	26.22	81.50	17.98	95.50	13.10
53.75	41.35	67.75	26.02	81.75	17.87	95.75	13.03
54.00	40.96	68.00	25.83	82.00	17.77	96.00	12.96

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	14.94 179.2 Inches
BioInitiative ft.	1180.00 14160.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1114903.84	10.25	1325.69	20.25	339.81	30.25	152.29
0.50	445961.54	10.50	1263.35	20.50	331.57	30.50	149.80
0.75	222980.77	10.75	1205.30	20.75	323.63	30.75	147.38
1.00	131165.16	11.00	1151.17	21.00	315.97	31.00	145.01
1.25	85761.83	11.25	1100.60	21.25	308.58	31.25	142.70
1.50	60265.07	11.50	1053.29	21.50	301.45	31.50	140.44
1.75	44596.15	11.75	1008.96	21.75	294.56	31.75	138.24
2.00	34304.73	12.00	967.38	22.00	287.90	32.00	136.09
2.25	27192.78	12.25	928.31	22.25	281.47	32.25	133.99
2.50	22077.30	12.50	891.57	22.50	275.25	32.50	131.93
2.75	18277.11	12.75	856.96	22.75	269.24	32.75	129.93
3.00	15377.98	13.00	824.33	23.00	263.41	33.00	127.97
3.25	13116.52	13.25	793.53	23.25	257.78	33.25	126.05
3.50	11318.82	13.50	764.42	23.50	252.33	33.50	124.17
3.75	9866.41	13.75	736.88	23.75	247.04	33.75	122.34
4.00	8676.29	14.00	710.81	24.00	241.92	34.00	120.55
4.25	7688.99	14.25	686.09	24.25	236.96	34.25	118.80
4.50	6860.95	14.50	662.65	24.50	232.15	34.50	117.08
4.75	6159.69	14.75	640.38	24.75	227.48	34.75	115.40
5.00	5560.62	15.00	619.22	25.00	222.96	35.00	113.76
5.25	5044.81	15.25	599.09	25.25	218.57	35.25	112.15
5.50	4597.54	15.50	579.92	25.50	214.30	35.50	110.58
5.75	4207.18	15.75	561.66	25.75	210.16	35.75	109.04
6.00	3864.48	16.00	544.25	26.00	206.14	36.00	107.53
6.25	3561.99	16.25	527.64	26.25	202.23	36.25	106.05
6.50	3293.66	16.50	511.78	26.50	198.43	36.50	104.60
6.75	3054.53	16.75	496.62	26.75	194.74	36.75	103.18
7.00	2840.52	17.00	482.12	27.00	191.15	37.00	101.79
7.25	2648.23	17.25	468.25	27.25	187.66	37.25	100.43
7.50	2474.81	17.50	454.97	27.50	184.27	37.50	99.10
7.75	2317.89	17.75	442.25	27.75	180.96	37.75	97.79
8.00	2175.42	18.00	430.05	28.00	177.74	38.00	96.51
8.25	2045.70	18.25	418.35	28.25	174.61	38.25	95.25
8.50	1927.23	18.50	407.12	28.50	171.56	38.50	94.02
8.75	1818.77	18.75	396.34	28.75	168.59	38.75	92.81
9.00	1719.20	19.00	385.98	29.00	165.70	39.00	91.62
9.25	1627.60	19.25	376.02	29.25	162.88	39.25	90.46
9.50	1543.12	19.50	366.44	29.50	160.13	39.50	89.32
9.75	1465.05	19.75	357.23	29.75	157.45	39.75	88.20
10.00	1392.76	20.00	348.35	30.00	154.84	40.00	87.10

Notes:

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

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

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 70% % Reflection 2000%

Distance where limits are exceeded
FCC ft. 14.94 179.23 Inches
BioInitiative ft. 1180.00 14160.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	86.02	54.25	47.35	68.25	29.92	82.25	20.60
40.50	84.96	54.50	46.92	68.50	29.70	82.50	20.48
40.75	83.92	54.75	46.49	68.75	29.48	82.75	20.35
41.00	82.90	55.00	46.07	69.00	29.27	83.00	20.23
41.25	81.90	55.25	45.65	69.25	29.06	83.25	20.11
41.50	80.92	55.50	45.24	69.50	28.85	83.50	19.99
41.75	79.95	55.75	44.84	69.75	28.65	83.75	19.87
42.00	79.00	56.00	44.44	70.00	28.44	84.00	19.75
42.25	78.07	56.25	44.04	70.25	28.24	84.25	19.63
42.50	77.15	56.50	43.66	70.50	28.04	84.50	19.52
42.75	76.25	56.75	43.27	70.75	27.84	84.75	19.40
43.00	75.37	57.00	42.89	71.00	27.65	85.00	19.29
43.25	74.50	57.25	42.52	71.25	27.45	85.25	19.18
43.50	73.65	57.50	42.15	71.50	27.26	85.50	19.06
43.75	72.81	57.75	41.79	71.75	27.07	85.75	18.95
44.00	71.98	58.00	41.43	72.00	26.88	86.00	18.84
44.25	71.17	58.25	41.07	72.25	26.70	86.25	18.73
44.50	70.37	58.50	40.72	72.50	26.51	86.50	18.63
44.75	69.59	58.75	40.38	72.75	26.33	86.75	18.52
45.00	68.82	59.00	40.03	73.00	26.15	87.00	18.41
45.25	68.06	59.25	39.70	73.25	25.97	87.25	18.31
45.50	67.31	59.50	39.36	73.50	25.80	87.50	18.20
45.75	66.58	59.75	39.04	73.75	25.62	87.75	18.10
46.00	65.86	60.00	38.71	74.00	25.45	88.00	18.00
46.25	65.15	60.25	38.39	74.25	25.28	88.25	17.89
46.50	64.45	60.50	38.07	74.50	25.11	88.50	17.79
46.75	63.76	60.75	37.76	74.75	24.94	88.75	17.69
47.00	63.09	61.00	37.45	75.00	24.78	89.00	17.59
47.25	62.42	61.25	37.15	75.25	24.61	89.25	17.50
47.50	61.77	61.50	36.85	75.50	24.45	89.50	17.40
47.75	61.12	61.75	36.55	75.75	24.29	89.75	17.30
48.00	60.49	62.00	36.25	76.00	24.13	90.00	17.21
48.25	59.86	62.25	35.96	76.25	23.97	90.25	17.11
48.50	59.25	62.50	35.68	76.50	23.81	90.50	17.02
48.75	58.64	62.75	35.39	76.75	23.66	90.75	16.92
49.00	58.04	63.00	35.11	77.00	23.51	91.00	16.83
49.25	57.45	63.25	34.84	77.25	23.35	91.25	16.74
49.50	56.88	63.50	34.56	77.50	23.20	91.50	16.65
49.75	56.31	63.75	34.29	77.75	23.05	91.75	16.56
50.00	55.74	64.00	34.02	78.00	22.91	92.00	16.47
50.25	55.19	64.25	33.76	78.25	22.76	92.25	16.38
50.50	54.65	64.50	33.50	78.50	22.62	92.50	16.29
50.75	54.11	64.75	33.24	78.75	22.47	92.75	16.20
51.00	53.58	65.00	32.98	79.00	22.33	93.00	16.11
51.25	53.06	65.25	32.73	79.25	22.19	93.25	16.03
51.50	52.54	65.50	32.48	79.50	22.05	93.50	15.94
51.75	52.04	65.75	32.24	79.75	21.91	93.75	15.86
52.00	51.54	66.00	31.99	80.00	21.78	94.00	15.77
52.25	51.05	66.25	31.75	80.25	21.64	94.25	15.69
52.50	50.56	66.50	31.51	80.50	21.51	94.50	15.61
52.75	50.08	66.75	31.28	80.75	21.37	94.75	15.52
53.00	49.61	67.00	31.05	81.00	21.24	95.00	15.44
53.25	49.15	67.25	30.81	81.25	21.11	95.25	15.36
53.50	48.69	67.50	30.59	81.50	20.98	95.50	15.28
53.75	48.24	67.75	30.36	81.75	20.85	95.75	15.20
54.00	47.79	68.00	30.14	82.00	20.73	96.00	15.12

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	191.6 Inches
BioInitiative ft.	15120.0 Inches
15.97	
1260.00	

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1274175.81	10.25	1515.07	20.25	388.35	30.25	174.04
0.50	509670.33	10.50	1443.83	20.50	378.94	30.50	171.20
0.75	254835.16	10.75	1377.49	20.75	369.86	30.75	168.43
1.00	149903.04	11.00	1315.62	21.00	361.11	31.00	165.72
1.25	98013.52	11.25	1257.82	21.25	352.66	31.25	163.08
1.50	68874.37	11.50	1203.76	21.50	344.51	31.50	160.51
1.75	50967.03	11.75	1153.10	21.75	336.64	31.75	157.99
2.00	39205.41	12.00	1105.58	22.00	329.03	32.00	155.53
2.25	31077.46	12.25	1060.93	22.25	321.68	32.25	153.13
2.50	25231.20	12.50	1018.93	22.50	314.57	32.50	150.78
2.75	20888.13	12.75	979.38	22.75	307.70	32.75	148.49
3.00	17574.84	13.00	942.09	23.00	301.05	33.00	146.25
3.25	14990.30	13.25	906.89	23.25	294.61	33.25	144.06
3.50	12935.80	13.50	873.62	23.50	288.37	33.50	141.91
3.75	11275.89	13.75	842.15	23.75	282.33	33.75	139.82
4.00	9915.77	14.00	812.35	24.00	276.48	34.00	137.77
4.25	8787.42	14.25	784.11	24.25	270.81	34.25	135.77
4.50	7841.08	14.50	757.31	24.50	265.32	34.50	133.81
4.75	7039.65	14.75	731.86	24.75	259.98	34.75	131.89
5.00	6354.99	15.00	707.68	25.00	254.81	35.00	130.01
5.25	5765.50	15.25	684.67	25.25	249.79	35.25	128.17
5.50	5254.33	15.50	662.77	25.50	244.92	35.50	126.37
5.75	4808.21	15.75	641.90	25.75	240.18	35.75	124.61
6.00	4416.55	16.00	622.00	26.00	235.59	36.00	122.89
6.25	4070.85	16.25	603.02	26.25	231.12	36.25	121.20
6.50	3764.18	16.50	584.89	26.50	226.78	36.50	119.55
6.75	3490.89	16.75	567.56	26.75	222.56	36.75	117.92
7.00	3246.31	17.00	550.99	27.00	218.46	37.00	116.34
7.25	3026.55	17.25	535.14	27.25	214.47	37.25	114.78
7.50	2828.36	17.50	519.97	27.50	210.59	37.50	113.26
7.75	2649.01	17.75	505.42	27.75	206.81	37.75	111.76
8.00	2486.20	18.00	491.49	28.00	203.14	38.00	110.29
8.25	2337.94	18.25	478.11	28.25	199.56	38.25	108.86
8.50	2202.55	18.50	465.28	28.50	196.07	38.50	107.45
8.75	2078.59	18.75	452.96	28.75	192.68	38.75	106.07
9.00	1964.80	19.00	441.12	29.00	189.37	39.00	104.71
9.25	1860.11	19.25	429.74	29.25	186.15	39.25	103.38
9.50	1763.57	19.50	418.79	29.50	183.01	39.50	102.08
9.75	1674.34	19.75	408.26	29.75	179.94	39.75	100.80
10.00	1591.72	20.00	398.12	30.00	176.96	40.00	99.54

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

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 80% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 15.97 191.62 Inches
 BioInitiative ft. 1260.00 15120.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	98.31	54.25	54.12	68.25	34.19	82.25	23.54
40.50	97.10	54.50	53.62	68.50	33.94	82.50	23.40
40.75	95.91	54.75	53.13	68.75	33.70	82.75	23.26
41.00	94.74	55.00	52.65	69.00	33.45	83.00	23.12
41.25	93.60	55.25	52.18	69.25	33.21	83.25	22.98
41.50	92.48	55.50	51.71	69.50	32.97	83.50	22.84
41.75	91.37	55.75	51.24	69.75	32.74	83.75	22.71
42.00	90.29	56.00	50.79	70.00	32.50	84.00	22.57
42.25	89.22	56.25	50.34	70.25	32.27	84.25	22.44
42.50	88.18	56.50	49.89	70.50	32.04	84.50	22.31
42.75	87.15	56.75	49.45	70.75	31.82	84.75	22.17
43.00	86.14	57.00	49.02	71.00	31.59	85.00	22.04
43.25	85.14	57.25	48.59	71.25	31.37	85.25	21.92
43.50	84.17	57.50	48.17	71.50	31.15	85.50	21.79
43.75	83.21	57.75	47.76	71.75	30.94	85.75	21.66
44.00	82.27	58.00	47.35	72.00	30.72	86.00	21.53
44.25	81.34	58.25	46.94	72.25	30.51	86.25	21.41
44.50	80.43	58.50	46.54	72.50	30.30	86.50	21.29
44.75	79.53	58.75	46.14	72.75	30.09	86.75	21.16
45.00	78.65	59.00	45.75	73.00	29.89	87.00	21.04
45.25	77.78	59.25	45.37	73.25	29.68	87.25	20.92
45.50	76.93	59.50	44.99	73.50	29.48	87.50	20.80
45.75	76.09	59.75	44.61	73.75	29.28	87.75	20.68
46.00	75.27	60.00	44.24	74.00	29.09	88.00	20.57
46.25	74.46	60.25	43.88	74.25	28.89	88.25	20.45
46.50	73.66	60.50	43.51	74.50	28.70	88.50	20.34
46.75	72.87	60.75	43.16	74.75	28.50	88.75	20.22
47.00	72.10	61.00	42.80	75.00	28.31	89.00	20.11
47.25	71.34	61.25	42.45	75.25	28.13	89.25	19.99
47.50	70.59	61.50	42.11	75.50	27.94	89.50	19.88
47.75	69.85	61.75	41.77	75.75	27.76	89.75	19.77
48.00	69.13	62.00	41.43	76.00	27.57	90.00	19.66
48.25	68.41	62.25	41.10	76.25	27.39	90.25	19.55
48.50	67.71	62.50	40.77	76.50	27.22	90.50	19.45
48.75	67.02	62.75	40.45	76.75	27.04	90.75	19.34
49.00	66.33	63.00	40.13	77.00	26.86	91.00	19.23
49.25	65.66	63.25	39.81	77.25	26.69	91.25	19.13
49.50	65.00	63.50	39.50	77.50	26.52	91.50	19.02
49.75	64.35	63.75	39.19	77.75	26.35	91.75	18.92
50.00	63.71	64.00	38.88	78.00	26.18	92.00	18.82
50.25	63.07	64.25	38.58	78.25	26.01	92.25	18.72
50.50	62.45	64.50	38.28	78.50	25.85	92.50	18.61
50.75	61.84	64.75	37.99	78.75	25.68	92.75	18.51
51.00	61.23	65.00	37.70	79.00	25.52	93.00	18.41
51.25	60.64	65.25	37.41	79.25	25.36	93.25	18.32
51.50	60.05	65.50	37.12	79.50	25.20	93.50	18.22
51.75	59.47	65.75	36.84	79.75	25.04	93.75	18.12
52.00	58.90	66.00	36.56	80.00	24.89	94.00	18.03
52.25	58.34	66.25	36.29	80.25	24.73	94.25	17.93
52.50	57.78	66.50	36.02	80.50	24.58	94.50	17.83
52.75	57.24	66.75	35.75	80.75	24.43	94.75	17.74
53.00	56.70	67.00	35.48	81.00	24.28	95.00	17.65
53.25	56.17	67.25	35.22	81.25	24.13	95.25	17.56
53.50	55.64	67.50	34.96	81.50	23.98	95.50	17.46
53.75	55.13	67.75	34.70	81.75	23.83	95.75	17.37
54.00	54.62	68.00	34.44	82.00	23.69	96.00	17.28

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	16.94 203.2 Inches
BioInitiative ft.	1340.00 16080.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1433447.79	10.25	1704.46	20.25	436.89	30.25	195.80
0.50	573379.12	10.50	1624.30	20.50	426.30	30.50	192.60
0.75	286689.56	10.75	1549.67	20.75	416.10	30.75	189.48
1.00	168640.92	11.00	1480.07	21.00	406.25	31.00	186.44
1.25	110265.21	11.25	1415.05	21.25	396.75	31.25	183.47
1.50	77483.66	11.50	1354.23	21.50	387.58	31.50	180.57
1.75	57337.91	11.75	1297.24	21.75	378.72	31.75	177.74
2.00	44106.09	12.00	1243.77	22.00	370.16	32.00	174.97
2.25	34962.14	12.25	1193.55	22.25	361.89	32.25	172.27
2.50	28385.10	12.50	1146.30	22.50	353.89	32.50	169.63
2.75	23499.14	12.75	1101.80	22.75	346.16	32.75	167.05
3.00	19771.69	13.00	1059.85	23.00	338.68	33.00	164.53
3.25	16864.09	13.25	1020.25	23.25	331.43	33.25	162.06
3.50	14552.77	13.50	982.82	23.50	324.42	33.50	159.65
3.75	12685.38	13.75	947.42	23.75	317.63	33.75	157.30
4.00	11155.24	14.00	913.90	24.00	311.04	34.00	154.99
4.25	9885.85	14.25	882.12	24.25	304.66	34.25	152.74
4.50	8821.22	14.50	851.97	24.50	298.48	34.50	150.53
4.75	7919.60	14.75	823.35	24.75	292.48	34.75	148.37
5.00	7149.37	15.00	796.14	25.00	286.66	35.00	146.26
5.25	6486.19	15.25	770.26	25.25	281.01	35.25	144.20
5.50	5911.12	15.50	745.62	25.50	275.53	35.50	142.17
5.75	5409.24	15.75	722.14	25.75	270.21	35.75	140.19
6.00	4968.62	16.00	699.75	26.00	265.04	36.00	138.25
6.25	4579.71	16.25	678.39	26.25	260.01	36.25	136.35
6.50	4234.71	16.50	658.00	26.50	255.13	36.50	134.49
6.75	3927.25	16.75	638.51	26.75	250.38	36.75	132.67
7.00	3652.10	17.00	619.87	27.00	245.77	37.00	130.88
7.25	3404.86	17.25	602.04	27.25	241.28	37.25	129.13
7.50	3181.90	17.50	584.96	27.50	236.91	37.50	127.41
7.75	2980.14	17.75	568.60	27.75	232.66	37.75	125.73
8.00	2796.97	18.00	552.92	28.00	228.53	38.00	124.08
8.25	2630.18	18.25	537.88	28.25	224.50	38.25	122.46
8.50	2477.87	18.50	523.44	28.50	220.58	38.50	120.88
8.75	2338.41	18.75	509.58	28.75	216.76	38.75	119.32
9.00	2210.41	19.00	496.26	29.00	213.04	39.00	117.80
9.25	2092.62	19.25	483.46	29.25	209.42	39.25	116.30
9.50	1984.01	19.50	471.14	29.50	205.88	39.50	114.84
9.75	1883.64	19.75	459.29	29.75	202.44	39.75	113.40
10.00	1790.69	20.00	447.88	30.00	199.08	40.00	111.98

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 – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 90% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 16.94 203.24 Inches
 BioInitiative ft. 1340.00 16080.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	110.60	54.25	60.88	68.25	38.47	82.25	26.49
40.50	109.24	54.50	60.32	68.50	38.19	82.50	26.33
40.75	107.90	54.75	59.77	68.75	37.91	82.75	26.17
41.00	106.59	55.00	59.23	69.00	37.63	83.00	26.01
41.25	105.30	55.25	58.70	69.25	37.36	83.25	25.85
41.50	104.04	55.50	58.17	69.50	37.10	83.50	25.70
41.75	102.79	55.75	57.65	69.75	36.83	83.75	25.55
42.00	101.57	56.00	57.14	70.00	36.57	84.00	25.39
42.25	100.37	56.25	56.63	70.25	36.31	84.25	25.24
42.50	99.20	56.50	56.13	70.50	36.05	84.50	25.09
42.75	98.04	56.75	55.64	70.75	35.80	84.75	24.95
43.00	96.90	57.00	55.15	71.00	35.54	85.00	24.80
43.25	95.79	57.25	54.67	71.25	35.30	85.25	24.65
43.50	94.69	57.50	54.19	71.50	35.05	85.50	24.51
43.75	93.61	57.75	53.73	71.75	34.81	85.75	24.37
44.00	92.55	58.00	53.26	72.00	34.56	86.00	24.23
44.25	91.51	58.25	52.81	72.25	34.33	86.25	24.09
44.50	90.48	58.50	52.36	72.50	34.09	86.50	23.95
44.75	89.47	58.75	51.91	72.75	33.85	86.75	23.81
45.00	88.48	59.00	51.47	73.00	33.62	87.00	23.67
45.25	87.51	59.25	51.04	73.25	33.39	87.25	23.54
45.50	86.55	59.50	50.61	73.50	33.17	87.50	23.40
45.75	85.60	59.75	50.19	73.75	32.94	87.75	23.27
46.00	84.68	60.00	49.77	74.00	32.72	88.00	23.14
46.25	83.76	60.25	49.36	74.25	32.50	88.25	23.01
46.50	82.87	60.50	48.95	74.50	32.28	88.50	22.88
46.75	81.98	60.75	48.55	74.75	32.07	88.75	22.75
47.00	81.11	61.00	48.15	75.00	31.85	89.00	22.62
47.25	80.26	61.25	47.76	75.25	31.64	89.25	22.49
47.50	79.41	61.50	47.37	75.50	31.43	89.50	22.37
47.75	78.58	61.75	46.99	75.75	31.23	89.75	22.24
48.00	77.77	62.00	46.61	76.00	31.02	90.00	22.12
48.25	76.96	62.25	46.24	76.25	30.82	90.25	22.00
48.50	76.17	62.50	45.87	76.50	30.62	90.50	21.88
48.75	75.39	62.75	45.50	76.75	30.42	90.75	21.76
49.00	74.63	63.00	45.14	77.00	30.22	91.00	21.64
49.25	73.87	63.25	44.79	77.25	30.03	91.25	21.52
49.50	73.13	63.50	44.44	77.50	29.83	91.50	21.40
49.75	72.39	63.75	44.09	77.75	29.64	91.75	21.29
50.00	71.67	64.00	43.74	78.00	29.45	92.00	21.17
50.25	70.96	64.25	43.40	78.25	29.26	92.25	21.06
50.50	70.26	64.50	43.07	78.50	29.08	92.50	20.94
50.75	69.57	64.75	42.74	78.75	28.89	92.75	20.83
51.00	68.89	65.00	42.41	79.00	28.71	93.00	20.72
51.25	68.22	65.25	42.08	79.25	28.53	93.25	20.61
51.50	67.56	65.50	41.76	79.50	28.35	93.50	20.50
51.75	66.91	65.75	41.45	79.75	28.17	93.75	20.39
52.00	66.26	66.00	41.13	80.00	28.00	94.00	20.28
52.25	65.63	66.25	40.82	80.25	27.82	94.25	20.17
52.50	65.01	66.50	40.52	80.50	27.65	94.50	20.06
52.75	64.39	66.75	40.21	80.75	27.48	94.75	19.96
53.00	63.79	67.00	39.92	81.00	27.31	95.00	19.85
53.25	63.19	67.25	39.62	81.25	27.14	95.25	19.75
53.50	62.60	67.50	39.33	81.50	26.98	95.50	19.65
53.75	62.02	67.75	39.04	81.75	26.81	95.75	19.54
54.00	61.45	68.00	38.75	82.00	26.65	96.00	19.44

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded	
FCC ft.	214.2 Inches
BioInitiative ft.	16920.0 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
0.25	1592719.77	10.25	1893.84	20.25	485.44	30.25	217.55
0.50	637087.91	10.50	1804.78	20.50	473.67	30.50	214.00
0.75	318543.95	10.75	1721.86	20.75	462.33	30.75	210.54
1.00	187378.80	11.00	1644.52	21.00	451.39	31.00	207.16
1.25	122516.91	11.25	1572.28	21.25	440.83	31.25	203.86
1.50	86092.96	11.50	1504.70	21.50	430.64	31.50	200.63
1.75	63708.79	11.75	1441.38	21.75	420.80	31.75	197.49
2.00	49006.76	12.00	1381.97	22.00	411.29	32.00	194.41
2.25	38846.82	12.25	1326.16	22.25	402.10	32.25	191.41
2.50	31539.01	12.50	1273.67	22.50	393.22	32.50	188.48
2.75	26110.16	12.75	1224.23	22.75	384.62	32.75	185.61
3.00	21968.55	13.00	1177.61	23.00	376.31	33.00	182.81
3.25	18737.88	13.25	1133.61	23.25	368.26	33.25	180.07
3.50	16169.74	13.50	1092.03	23.50	360.47	33.50	177.39
3.75	14094.87	13.75	1052.69	23.75	352.92	33.75	174.77
4.00	12394.71	14.00	1015.44	24.00	345.60	34.00	172.21
4.25	10984.27	14.25	980.14	24.25	338.52	34.25	169.71
4.50	9801.35	14.50	946.64	24.50	331.64	34.50	167.26
4.75	8799.56	14.75	914.83	24.75	324.98	34.75	164.86
5.00	7943.74	15.00	884.60	25.00	318.51	35.00	162.51
5.25	7206.88	15.25	855.84	25.25	312.24	35.25	160.22
5.50	6567.92	15.50	828.46	25.50	306.15	35.50	157.97
5.75	6010.26	15.75	802.38	25.75	300.23	35.75	155.77
6.00	5520.69	16.00	777.51	26.00	294.48	36.00	153.61
6.25	5088.56	16.25	753.77	26.25	288.90	36.25	151.50
6.50	4705.23	16.50	731.11	26.50	283.48	36.50	149.43
6.75	4363.62	16.75	709.45	26.75	278.20	36.75	147.41
7.00	4057.88	17.00	688.74	27.00	273.08	37.00	145.42
7.25	3783.18	17.25	668.93	27.25	268.09	37.25	143.48
7.50	3535.45	17.50	649.96	27.50	263.24	37.50	141.57
7.75	3311.27	17.75	631.78	27.75	258.52	37.75	139.70
8.00	3107.75	18.00	614.36	28.00	253.92	38.00	137.87
8.25	2922.42	18.25	597.64	28.25	249.45	38.25	136.07
8.50	2753.19	18.50	581.60	28.50	245.09	38.50	134.31
8.75	2598.24	18.75	566.20	28.75	240.85	38.75	132.58
9.00	2456.01	19.00	551.40	29.00	236.71	39.00	130.89
9.25	2325.14	19.25	537.17	29.25	232.68	39.25	129.23
9.50	2204.46	19.50	523.49	29.50	228.76	39.50	127.60
9.75	2092.93	19.75	510.32	29.75	224.93	39.75	126.00
10.00	1989.66	20.00	497.65	30.00	221.20	40.00	124.43

Notes:

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

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

SMART Meter Power Density Computer Modeling

(1 Collector Meter - 7 SMART Meters – 2000% reflections)

Meters 1 Collector Meter - 7 SMART Meters
 Time Avg: 100% % Reflection 2000%

Distance where limits are exceeded
 FCC ft. 17.85 214.24 Inches
 BioInitiative ft. 1410.00 16920.00 Inches

Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²	Distance (ft)	uW/cm ²
40.25	122.89	54.25	67.65	68.25	42.74	82.25	29.43
40.50	121.37	54.50	67.03	68.50	42.43	82.50	29.25
40.75	119.89	54.75	66.42	68.75	42.12	82.75	29.07
41.00	118.43	55.00	65.81	69.00	41.82	83.00	28.90
41.25	117.00	55.25	65.22	69.25	41.51	83.25	28.73
41.50	115.59	55.50	64.63	69.50	41.22	83.50	28.55
41.75	114.21	55.75	64.05	69.75	40.92	83.75	28.38
42.00	112.86	56.00	63.48	70.00	40.63	84.00	28.22
42.25	111.53	56.25	62.92	70.25	40.34	84.25	28.05
42.50	110.22	56.50	62.37	70.50	40.06	84.50	27.88
42.75	108.93	56.75	61.82	70.75	39.77	84.75	27.72
43.00	107.67	57.00	61.28	71.00	39.49	85.00	27.56
43.25	106.43	57.25	60.74	71.25	39.22	85.25	27.39
43.50	105.21	57.50	60.22	71.50	38.94	85.50	27.23
43.75	104.01	57.75	59.69	71.75	38.67	85.75	27.08
44.00	102.83	58.00	59.18	72.00	38.40	86.00	26.92
44.25	101.67	58.25	58.67	72.25	38.14	86.25	26.76
44.50	100.53	58.50	58.17	72.50	37.88	86.50	26.61
44.75	99.41	58.75	57.68	72.75	37.62	86.75	26.45
45.00	98.31	59.00	57.19	73.00	37.36	87.00	26.30
45.25	97.23	59.25	56.71	73.25	37.10	87.25	26.15
45.50	96.16	59.50	56.24	73.50	36.85	87.50	26.00
45.75	95.12	59.75	55.77	73.75	36.60	87.75	25.86
46.00	94.09	60.00	55.30	74.00	36.36	88.00	25.71
46.25	93.07	60.25	54.84	74.25	36.11	88.25	25.56
46.50	92.07	60.50	54.39	74.50	35.87	88.50	25.42
46.75	91.09	60.75	53.94	74.75	35.63	88.75	25.28
47.00	90.12	61.00	53.50	75.00	35.39	89.00	25.13
47.25	89.17	61.25	53.07	75.25	35.16	89.25	24.99
47.50	88.24	61.50	52.64	75.50	34.93	89.50	24.85
47.75	87.32	61.75	52.21	75.75	34.70	89.75	24.72
48.00	86.41	62.00	51.79	76.00	34.47	90.00	24.58
48.25	85.52	62.25	51.38	76.25	34.24	90.25	24.44
48.50	84.64	62.50	50.97	76.50	34.02	90.50	24.31
48.75	83.77	62.75	50.56	76.75	33.80	90.75	24.17
49.00	82.92	63.00	50.16	77.00	33.58	91.00	24.04
49.25	82.08	63.25	49.76	77.25	33.36	91.25	23.91
49.50	81.25	63.50	49.37	77.50	33.15	91.50	23.78
49.75	80.44	63.75	48.99	77.75	32.93	91.75	23.65
50.00	79.63	64.00	48.61	78.00	32.72	92.00	23.52
50.25	78.84	64.25	48.23	78.25	32.51	92.25	23.39
50.50	78.06	64.50	47.85	78.50	32.31	92.50	23.27
50.75	77.30	64.75	47.49	78.75	32.10	92.75	23.14
51.00	76.54	65.00	47.12	79.00	31.90	93.00	23.02
51.25	75.80	65.25	46.76	79.25	31.70	93.25	22.90
51.50	75.06	65.50	46.40	79.50	31.50	93.50	22.77
51.75	74.34	65.75	46.05	79.75	31.30	93.75	22.65
52.00	73.63	66.00	45.70	80.00	31.11	94.00	22.53
52.25	72.92	66.25	45.36	80.25	30.91	94.25	22.41
52.50	72.23	66.50	45.02	80.50	30.72	94.50	22.29
52.75	71.55	66.75	44.68	80.75	30.53	94.75	22.18
53.00	70.87	67.00	44.35	81.00	30.34	95.00	22.06
53.25	70.21	67.25	44.02	81.25	30.16	95.25	21.94
53.50	69.56	67.50	43.70	81.50	29.97	95.50	21.83
53.75	68.91	67.75	43.37	81.75	29.79	95.75	21.72
54.00	68.27	68.00	43.06	82.00	29.61	96.00	21.60