Wojewódzki Inspektorat Ochrony Środowiska w Katowicach

Pracownia Analiz Manualnych, Instrumentalnych, Hydrobiologicznych oraz Pomiarów Terenowych i Pobierania Próbek

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AB 480

SPRAWOZDANIE Z BADAŃ NR 151/2014

Nr sprawy LC7071.99.2013

Porozumienie Nr: 01/2012

Klient: **Wydział Monitoringu Środowiska WIOŚ w Katowicach**

**Pomiary monitoringowe poziomów pól elektromagnetycznych
w przedziale częstotliwości
100 kHz – 3 GHz
(składowej *elektrycznej* E)
w środowisku,
wykonane dnia 18 czerwca 2013 r.
na terenie zabudowy mieszkaniowej
w
JAWORZNIE,
województwo śląskie**

Wyniki badań dotyczą tylko badanego obiektu.

Sprawozdanie z badań nie może być powielone inaczej niż w całości bez pisemnej zgody Kierownika Laboratorium.

Laboratorium jest akredytowane przez Polskie Centrum Akredytacji i posiada certyfikat nr AB 480.

Wykonujący badania:

1. Ireneusz Picz – Specjalista	**2. Tomasz Danecki – Główny specjalista**

Osoba autoryzująca sprawozdanie:

Pieczęć i podpis

Zatwierdził:

Pieczęć i podpis

Częstochowa, 03 lutego 2014 r.

1. PODSTAWA BADAŃ

Podstawę realizacji przedmiotowych badań monitoringowych poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz w środowisku stanowi Rozporządzenie Ministra Środowiska z dnia 12 listopada 2007 r. *w sprawie zakresu i sposobu prowadzenia okresowych badań poziomów pól elektromagnetycznych w środowisku* (Dz. U. Nr 221, Poz. 1645) oraz Porozumienie nr 01/2012 Wydziału Monitoringu Środowiska WIOŚ w Katowicach z Laboratorium WIOŚ w Katowicach, Pracownią Analiz w Częstochowie, 42-200 Częstochowa, ul. Rząsawska 24/28, w przedmiocie realizacji ww. badań.

2. CEL BADAŃ

Celem badań jest określenie poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, w miejscach dostępnych dla ludności, na terenie obszaru zabudowy mieszkaniowej, położonej we wschodniej części miasta Jaworzno, w rozumieniu wytycznych Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. (Dz. U. Nr 221, Poz. 1645), w ramach programu Państwowego Monitoringu Środowiska, 2013 r.

3. TEREN BADAŃ

Punkt pomiarowy P-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Jaworzno, we wschodniej jego części, przy ul. ks. A. Mroczka. Sondę pomiarową umieszczono na wysokości h: 2 m n.p.t. W sąsiedztwie punktu pomiarowego zagospodarowanie terenu stanowi luźna zabudowa mieszkaniowa jednorodzinna. Najbliższa zabudowa mieszkalna względem punktu pomiarowego, znajduje się w kierunku wschodnim w odległości 18 m. W kierunku północnym za jezdnią ul. Wakacyjnej znajduje się pozostała część zabudowy mieszkalnej jednorodzinnej z kolei w kierunku zachodnim za ul. ks. A. Mroczka przebiega linia kolejowa PKP.
W kierunku południowym, w odległości 196 i 200 m od P-1, znajdują się dwa wolnostojące maszty kratownicowe, na których zainstalowano instalacje radiokomunikacyjne – stacje bazowe telefonii komórkowych.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

Dzielnica (osiedle) miasta o liczbie mieszkańców powyżej 50 tys.

Nomenklatura jednostki terytorialnej (NTS):

Jaworzno 5.2.24.50.68.01.1

Współrzędne geogr. (GPS) punktu pomiarowego poziomów pól elektromagnetycznych w środowisku:

N 50^0 13′ 19,5″
E 19^0 19′ 58,8″;

Wysokość lokalizacji punktu pomiarowego:

h: 2,0 [m] n.p.t.;

Odległość punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych zabudowy mieszkaniowej – jednorodzinnej, zlokalizowanych wzdłuż realizowanego przekroju pomiarowego poziomów pól w środowisku:

l = 18 [m] - od elewacji budynku mieszkalnego jednorodzinnego przy ul. Wakacyjnej

Lokalizacja punktu pomiarowego – pas zieleni przy ul. Wakacyjnej.

4. METODYKA BADAŃ

Procedura badawcza Nr PB - T/22 Laboratorium w Katowicach / Pracownia Analiz w Częstochowie z dnia 05.08.2010 r. w świetle wymagań Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. *w sprawie zakresu i sposobu prowadzenia okresowych badań poziomów pól elektromagnetycznych w środowisku* (Dz. U. Nr 221, Poz. 1645).

5. WYPOSAŻENIE POMIAROWE

Pomiarów poziomów pól elektromagnetycznych częstotliwości 100 kHz - 3 GHz (składowej *elektrycznej*) w środowisku dokonano przy użyciu szerokopasmowego miernika natężenia pola elektromagnetycznego Narda Broadband Field Meter NBM-550, prod. Narda Safety Test Solutions GmbH, Niemcy;

Pomiarów warunków meteorologicznych dokonano przy pomocy automatycznej stacji meteorologicznej MAWS – 201C, Vaisala, Finlandia;

Szczegółowe dane identyfikacyjne przyrządów przedstawiono w tabeli poniżej

Tabela 1

<table>
<tr><th colspan="2">Pomiary
poziomów pól elektromagnetycznych
częstotliwości
100 kHz – 3 GHz
(składowej elektrycznej)
w środowisku</th><th colspan="2">Pomiary
warunków
meteorologicznych
w środowisku</th></tr>
<tr><td>Przyrząd pomiarowy

Sonda pomiarowa</td><td>Typ: Broadband Field Meter NBM-550
P/N: 2401/01
S/N: B-0507
Producent: Narda Safety Test Solutions GmbH, Niemcy;

Typ: EF0391, E-Field
P/N: 2402/01
S/N: A-0636
Producent: j.w.
Zakres: 100 kHz – 3 GHz
Charakterystyka częstotliwościowa czułości:
+/- 1 dB (1MHz – 1 GHz)
+/- 1,25dB (1GHz – 2,45 GHz)</td><td>Przyrząd pomiarowy</td><td>Typ: MAWS – 201C
S. no.: G131055
Producent: Vaisala, Finlandia</td></tr>
<tr><td rowspan="3">Data i czasokres pomiarów</td><td rowspan="3">18-06-2013 r.
10:01:41–12:01:41</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td>T [°C]</td><td>28,1 – 30,0</td></tr>
<tr><td>RH [%]</td><td>51,9 – 58,6</td></tr>
</table>

Częstotliwość próbkowania	f: 10 sec.	UWAGI: Pogodnie; Brak opadów atmosferycznych

Gdzie:
T – temperatura powietrza w [^{0}C];
RH – wilgotność względna powietrza w [%].

Zastosowany przyrząd pomiarowy poziomów pól oraz sonda pomiarowa poziomów pól posiadają stosowne *świadectwa wzorcowania*, tj.:

- Narda Broadband Field Meter NBM-550, P/N 2401/01, S/N B-0507 wraz z sondą Probe EF0391, *E-Field*, P/N 2402/01, S/N A-0636:

  - *Świadectwo Wzorcowania* nr: LWiMP/W/248/12 z dnia 10 grudnia 2012 r.,
  wydane przez Laboratorium Wzorców i Metrologii Pola Elektromagnetycznego (LWiMP)
  Instytut Telekomunikacji, Teleinformatyki i Akustyki, Politechniki Wrocławskiej;

- Automatyczna stacja meteorologiczna MAWS – 201C, s. no. G131055, Vaisala, Finlandia;

Świadectwa wzorcowania nr:

- SW-0485-SD-130066-TCB z dnia 15 maja 2013 r.
- SW-0840-SD-130066-HCB z dnia 22 maja 2013 r.
- SW-0667-SD-130069-PCB z dnia 10 maja 2013 r.
- SW-2013-05-021-TATB z dnia 16 maja 2013 r.

wyd. przez CLAP – IMGW w Warszawie.

Zastosowana sonda pomiarowa poziomów pól posiada sferyczną charakterystykę kierunkową, a w trakcie realizacji badań znajdowała się na wysokości 2 [m] n.p.t., na dielektrycznym statywie, w odległości d > 100 [m] od rzutu anten instalacji radiokomunikacyjnych na powierzchnię terenu, zgodnie z wymaganiami przedmiotowego Rozporządzenia.

6. INFORMACJE NA TEMAT INSTALACJI RADIOKOMUNIKACYJNYCH, RADIOLOKACYJNYCH, RADIONAWIGACYJNYCH REJONU BADAŃ PÓL ELEKTROMAGNETYCZNYCH *)

(* - *w rozumieniu wymagań przedmiotowego Rozporządzenia*)

W odległości 196 i 200 m od punktu pomiarowego P-1, w kierunku południowym, znajdują się dwa wolnostojące maszty kratownicowe, na którym zainstalowano anteny nadawczo-odbiorcze stacji bazowych telefonii komórkowej, należącej do Polskiej Telefonii Cyfrowej Sp. z o.o., Polskiej Telefonii Komórkowej „Centertel" Sp. z o.o. oraz Polkomtel S.A. W tabelach 2, 3 i 4 przedstawiono wyspecyfikowane parametry instalacji, zebrane na podstawie materiałów uzyskanych od operatorów instalacji.

Tabela 2

Zarządzający instalacją:

POLKOMTEL S.A.
ul. Postępu 3
02-676 Warszawa

Nazwa instalacji wg nomenklatury użytkownika:

Stacja bazowa nr: BT22501

Lokalizacja:

Baza Magazynowa GS, ul. Ks. A. Mroczka

Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	115	Antena sektorowa K 732967/ K 732967	900 (GSM) 2100 (UMTS)	41,0 40,7	1151 1426
2.	240	Antena sektorowa K 735811/ K 735811	900 (GSM) 2100 (UMTS)	41,0 40,7	1151 1426
3.	340	Antena sektorowa K 735811/ K 735811	900 (GSM) 2100 (UMTS)	41,0 40,7	1151 1426

EIRP $_{max}$, łącznie ze wszystkich anten SEKTOROWYCH przedmiotowej instalacji: **7731** [W].

Objaśnienia:

EIRP $_{max}$ – wartości max mocy promieniowania równoważnej izotropowo, [W].

Tabela 3

Zarządzający instalacją:

Polska Telefonia Cyfrowa Sp. z o.o.
Al. Jerozolimskie 181
02-222 Warszawa

Nazwa instalacji wg nomenklatury użytkownika:

Stacja bazowa nr: Jaworzno_50399_Ciezkowice

Lokalizacja:

Wolnostojący maszt przy ul. ks. A. Mroczka 2/1

Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	135	Antena sektorowa	1800 (DCS) 900 (GSM) 2100 (UMTS)	51,6	631 501 1589
2.	235	Antena sektorowa	900 (GSM) 2100 (UMTS)	51,6	447 1589
3.	350	Antena sektorowa	900 (GSM) 2100 (UMTS)	51,6	447 1589

EIRP $_{max}$, łącznie ze wszystkich anten SEKTOROWYCH przedmiotowej instalacji: **6 793** [W].

Objaśnienia:

EIRP $_{max}$ – wartości max mocy promieniowania równoważnej izotropowo, [W].

Tabela 4

Zarządzający instalacją:

Polska Telefonia Komórkowa Centertel Sp. z o.o.
ul. Skierniewicka 10a
01-230 Warszawa

Nazwa instalacji wg nomenklatury użytkownika:

Stacja bazowa nr: 2213 CIĘŻKOWICE

Lokalizacja:

Wolnostojący maszt przy ul. ks. A. Mroczka 2/1

Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	70	Antena sektorowa Kathrein 7752.00	900 (GSM) 2100 (UMTS)	47,0	1321 2224
2.	150	Antena sektorowa Kathrein 7752.00	900 (GSM) 2100 (UMTS)	47,0	1321 2224
3.	330	Antena sektorowa Kathrein 7752.00	900 (GSM) 2100 (UMTS)	47,0	1321 2224
EIRP $_{max}$, łącznie ze wszystkich anten SEKTOROWYCH przedmiotowej instalacji: **10 635** [W].					

Objaśnienia:

EIRP $_{max}$ – wartości max mocy promieniowania równoważnej izotropowo, [W].

7. WYNIKI BADAŃ

Wyniki pomiarów poziomów pól elektromagnetycznych częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku

Tabela 5

Lp.	Punkt pomiarowy poziomów pól elektromagnetycznych w środowisku	Natężenie pola elektrycznego $E^{**)}$ [V/m]	Niepewność pomiaru $U_{E\ 0,95}$ [dB]
1.	**P-1 ul. ks. A. Mroczka Miasto – Jaworzno**	**0,34**	2,5

Objaśnienia:

$E^{**)}$ [V/m] - średnia wartość arytmetyczna wartości skutecznych natężeń pól elektrycznych promieniowania elektromagnetycznego w zakresie częstotliwości 100 kHz – 3 GHz, w danym punkcie obserwacji, w środowisku.

8. ZAŁĄCZNIKI

1. *Raport pomiarowy*
   - w postaci elektronicznej, zarchiwizowany w siedzibie Laboratorium WIOŚ;
2. *Fotografie rejonu badań, szt. 4.*
3. *Szkic sytuacyjny rejonu badań.*

KONIEC SPRAWOZDANIA

Test Report

Instrument / Site

Meter	Probe	
Model: NBM-550 S/N: B-0507	Model: EF0391 S/N: A-0636	
Calibration Due Date 12/10/2012	Calibration Due Date 12/13/2012	

Site	Coordinates
P-1 ul. ks. A. Mroczka miasto (powiat) - Jaworzno, województwo śląskie.	N 50^0 13' 19,5" E 19^0 19' 58,8"

Comment
Pomiary monitoringowe poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, wykonane dnia 18 czerwca 2013 r. na terenie zabudowy mieszkaniowej w JAWORZNIE, województwo śląskie. Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 2.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2013 rok.

Measured Values

Timer: Start Time 10:01:41 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	06/18/2013 10:01:51 AM		0.4545 V/m	0.2888 V/m	0.2412 V/m
2	06/18/2013 10:02:01 AM		0.2898 V/m	0.2704 V/m	0.2534 V/m
3	06/18/2013 10:02:11 AM		0.3117 V/m	0.2701 V/m	0.2331 V/m
4	06/18/2013 10:02:21 AM		0.3046 V/m	0.2597 V/m	0.2247 V/m
5	06/18/2013 10:02:31 AM		0.2821 V/m	0.2543 V/m	0.2319 V/m
6	06/18/2013 10:02:41 AM		0.2841 V/m	0.2613 V/m	0.2366 V/m
7	06/18/2013 10:02:51 AM		0.3338 V/m	0.2593 V/m	0.1240 V/m
8	06/18/2013 10:03:01 AM		0.3055 V/m	0.2777 V/m	0.2588 V/m
9	06/18/2013 10:03:11 AM		0.3028 V/m	0.2766 V/m	0.2435 V/m
10	06/18/2013 10:03:21 AM		0.2926 V/m	0.2727 V/m	0.2491 V/m
11	06/18/2013 10:03:31 AM		0.2955 V/m	0.2747 V/m	0.2567 V/m
12	06/18/2013 10:03:41 AM		0.3082 V/m	0.2878 V/m	0.2661 V/m
13	06/18/2013 10:03:51 AM		0.3082 V/m	0.2729 V/m	0.0000 V/m
14	06/18/2013 10:04:01 AM		0.3001 V/m	0.2771 V/m	0.2480 V/m
15	06/18/2013 10:04:11 AM		0.2889 V/m	0.2671 V/m	0.2446 V/m
16	06/18/2013 10:04:21 AM		0.2917 V/m	0.2728 V/m	0.2480 V/m
17	06/18/2013 10:04:31 AM		0.2898 V/m	0.2728 V/m	0.2491 V/m
18	06/18/2013 10:04:41 AM		0.2936 V/m	0.2733 V/m	0.2556 V/m
19	06/18/2013 10:04:51 AM		0.3091 V/m	0.2827 V/m	0.2567 V/m
20	06/18/2013 10:05:01 AM		0.2982 V/m	0.2755 V/m	0.2588 V/m
21	06/18/2013 10:05:11 AM		0.3019 V/m	0.2756 V/m	0.2556 V/m
22	06/18/2013 10:05:21 AM		0.3204 V/m	0.2835 V/m	0.2661 V/m
23	06/18/2013 10:05:31 AM		0.3028 V/m	0.2795 V/m	0.2513 V/m
24	06/18/2013 10:05:41 AM		0.3028 V/m	0.2784 V/m	0.2469 V/m
25	06/18/2013 10:05:51 AM		0.3064 V/m	0.2833 V/m	0.2599 V/m
26	06/18/2013 10:06:01 AM		0.3082 V/m	0.2823 V/m	0.2534 V/m
27	06/18/2013 10:06:11 AM		0.3001 V/m	0.2765 V/m	0.2502 V/m
28	06/18/2013 10:06:21 AM		0.2964 V/m	0.2720 V/m	0.2469 V/m
29	06/18/2013 10:06:31 AM		0.2982 V/m	0.2721 V/m	0.2424 V/m
30	06/18/2013 10:06:41 AM		0.2927 V/m	0.2727 V/m	0.2524 V/m
31	06/18/2013 10:06:51 AM		0.2964 V/m	0.2749 V/m	0.2567 V/m
32	06/18/2013 10:07:01 AM		0.2982 V/m	0.2812 V/m	0.2545 V/m
33	06/18/2013 10:07:11 AM		0.2973 V/m	0.2781 V/m	0.2534 V/m
34	06/18/2013 10:07:21 AM		0.2917 V/m	0.2745 V/m	0.2545 V/m
35	06/18/2013 10:07:31 AM		0.2945 V/m	0.2724 V/m	0.2524 V/m
36	06/18/2013 10:07:41 AM		0.3046 V/m	0.2850 V/m	0.2630 V/m
37	06/18/2013 10:07:51 AM		0.3010 V/m	0.2719 V/m	0.2401 V/m
38	06/18/2013 10:08:01 AM		0.2973 V/m	0.2760 V/m	0.2556 V/m
39	06/18/2013 10:08:11 AM		0.2973 V/m	0.2752 V/m	0.2556 V/m
40	06/18/2013 10:08:21 AM		0.2973 V/m	0.2813 V/m	0.2672 V/m
41	06/18/2013 10:08:31 AM		0.3001 V/m	0.2830 V/m	0.2630 V/m
42	06/18/2013 10:08:41 AM		0.3001 V/m	0.2783 V/m	0.2599 V/m
43	06/18/2013 10:08:51 AM		0.2992 V/m	0.2770 V/m	0.2588 V/m
44	06/18/2013 10:09:01 AM		0.3037 V/m	0.2807 V/m	0.2577 V/m
45	06/18/2013 10:09:11 AM		0.2982 V/m	0.2821 V/m	0.2641 V/m
46	06/18/2013 10:09:21 AM		0.3161 V/m	0.2856 V/m	0.2620 V/m
47	06/18/2013 10:09:31 AM		0.3010 V/m	0.2807 V/m	0.2577 V/m
48	06/18/2013 10:09:41 AM		0.3073 V/m	0.2875 V/m	0.2722 V/m
49	06/18/2013 10:09:51 AM		0.3073 V/m	0.2865 V/m	0.2672 V/m
50	06/18/2013 10:10:01 AM		0.3117 V/m	0.2868 V/m	0.2556 V/m
51	06/18/2013 10:10:11 AM		0.3264 V/m	0.2944 V/m	0.2743 V/m
52	06/18/2013 10:10:21 AM		0.3187 V/m	0.2856 V/m	0.2599 V/m
53	06/18/2013 10:10:31 AM		0.3144 V/m	0.2915 V/m	0.2763 V/m
54	06/18/2013 10:10:41 AM		0.3100 V/m	0.2888 V/m	0.2651 V/m
55	06/18/2013 10:10:51 AM		0.3082 V/m	0.2863 V/m	0.2641 V/m
56	06/18/2013 10:11:01 AM		0.3082 V/m	0.2942 V/m	0.2762 V/m
57	06/18/2013 10:11:11 AM		0.3170 V/m	0.2946 V/m	0.2702 V/m

58	06/18/2013 10:11:21 AM	0.2992 V/m	0.2807 V/m	0.2524 V/m
59	06/18/2013 10:11:31 AM	0.3019 V/m	0.2811 V/m	0.2599 V/m
60	06/18/2013 10:11:41 AM	0.3100 V/m	0.2913 V/m	0.2743 V/m
61	06/18/2013 10:11:51 AM	0.3161 V/m	0.2968 V/m	0.2802 V/m
62	06/18/2013 10:12:01 AM	0.3055 V/m	0.2906 V/m	0.2743 V/m
63	06/18/2013 10:12:11 AM	0.3126 V/m	0.2859 V/m	0.2702 V/m
64	06/18/2013 10:12:21 AM	0.3109 V/m	0.2946 V/m	0.2772 V/m
65	06/18/2013 10:12:31 AM	0.3046 V/m	0.2863 V/m	0.2661 V/m
66	06/18/2013 10:12:41 AM	0.3126 V/m	0.2900 V/m	0.2609 V/m
67	06/18/2013 10:12:51 AM	0.3117 V/m	0.2924 V/m	0.2651 V/m
68	06/18/2013 10:13:01 AM	0.3055 V/m	0.2929 V/m	0.2772 V/m
69	06/18/2013 10:13:11 AM	0.3037 V/m	0.2835 V/m	0.2651 V/m
70	06/18/2013 10:13:21 AM	0.3100 V/m	0.2885 V/m	0.2672 V/m
71	06/18/2013 10:13:31 AM	0.3187 V/m	0.2963 V/m	0.2802 V/m
72	06/18/2013 10:13:41 AM	0.3144 V/m	0.2935 V/m	0.2733 V/m
73	06/18/2013 10:13:51 AM	0.3091 V/m	0.2962 V/m	0.2831 V/m
74	06/18/2013 10:14:01 AM	0.3126 V/m	0.2958 V/m	0.2733 V/m
75	06/18/2013 10:14:11 AM	0.3109 V/m	0.2983 V/m	0.2802 V/m
76	06/18/2013 10:14:21 AM	0.3152 V/m	0.2951 V/m	0.2743 V/m
77	06/18/2013 10:14:31 AM	0.3126 V/m	0.2951 V/m	0.2772 V/m
78	06/18/2013 10:14:41 AM	0.3221 V/m	0.3025 V/m	0.2851 V/m
79	06/18/2013 10:14:51 AM	0.3144 V/m	0.2966 V/m	0.2792 V/m
80	06/18/2013 10:15:01 AM	0.3170 V/m	0.3019 V/m	0.2812 V/m
81	06/18/2013 10:15:11 AM	0.3100 V/m	0.2967 V/m	0.2772 V/m
82	06/18/2013 10:15:21 AM	0.3019 V/m	0.2873 V/m	0.2753 V/m
83	06/18/2013 10:15:31 AM	0.3117 V/m	0.2879 V/m	0.2588 V/m
84	06/18/2013 10:15:41 AM	0.3126 V/m	0.2988 V/m	0.2860 V/m
85	06/18/2013 10:15:51 AM	0.3255 V/m	0.3033 V/m	0.2851 V/m
86	06/18/2013 10:16:01 AM	0.3161 V/m	0.2994 V/m	0.2860 V/m
87	06/18/2013 10:16:11 AM	0.3170 V/m	0.3006 V/m	0.2870 V/m
88	06/18/2013 10:16:21 AM	0.3213 V/m	0.3018 V/m	0.2860 V/m
89	06/18/2013 10:16:31 AM	0.3238 V/m	0.3079 V/m	0.2908 V/m
90	06/18/2013 10:16:41 AM	0.3289 V/m	0.3120 V/m	0.2982 V/m
91	06/18/2013 10:16:51 AM	0.3264 V/m	0.3091 V/m	0.2870 V/m
92	06/18/2013 10:17:01 AM	0.3255 V/m	0.3118 V/m	0.2955 V/m
93	06/18/2013 10:17:11 AM	0.3289 V/m	0.3131 V/m	0.2973 V/m
94	06/18/2013 10:17:21 AM	0.3204 V/m	0.3088 V/m	0.2945 V/m
95	06/18/2013 10:17:31 AM	0.3204 V/m	0.3066 V/m	0.2917 V/m
96	06/18/2013 10:17:41 AM	0.3264 V/m	0.3089 V/m	0.2955 V/m
97	06/18/2013 10:17:51 AM	0.3255 V/m	0.3080 V/m	0.2851 V/m
98	06/18/2013 10:18:01 AM	0.3264 V/m	0.3124 V/m	0.2917 V/m
99	06/18/2013 10:18:11 AM	0.3363 V/m	0.3172 V/m	0.2992 V/m
100	06/18/2013 10:18:21 AM	0.3380 V/m	0.3167 V/m	0.2992 V/m
101	06/18/2013 10:18:31 AM	0.3380 V/m	0.3128 V/m	0.2841 V/m
102	06/18/2013 10:18:41 AM	0.3347 V/m	0.3180 V/m	0.2964 V/m
103	06/18/2013 10:18:51 AM	0.3306 V/m	0.3136 V/m	0.2927 V/m
104	06/18/2013 10:19:01 AM	0.3247 V/m	0.3093 V/m	0.2945 V/m
105	06/18/2013 10:19:11 AM	0.3153 V/m	0.3023 V/m	0.2889 V/m
106	06/18/2013 10:19:21 AM	0.3161 V/m	0.3044 V/m	0.2898 V/m
107	06/18/2013 10:19:31 AM	0.3255 V/m	0.3101 V/m	0.2927 V/m
108	06/18/2013 10:19:41 AM	0.3221 V/m	0.3072 V/m	0.2870 V/m
109	06/18/2013 10:19:51 AM	0.3322 V/m	0.3083 V/m	0.2860 V/m
110	06/18/2013 10:20:01 AM	0.3314 V/m	0.3129 V/m	0.2917 V/m
111	06/18/2013 10:20:11 AM	0.3196 V/m	0.3069 V/m	0.2879 V/m
112	06/18/2013 10:20:21 AM	0.3272 V/m	0.3049 V/m	0.2908 V/m
113	06/18/2013 10:20:31 AM	0.3230 V/m	0.3050 V/m	0.2802 V/m
114	06/18/2013 10:20:41 AM	0.3196 V/m	0.3063 V/m	0.2831 V/m
115	06/18/2013 10:20:51 AM	0.3152 V/m	0.2982 V/m	0.2763 V/m
116	06/18/2013 10:21:01 AM	0.3178 V/m	0.2970 V/m	0.2792 V/m
117	06/18/2013 10:21:11 AM	0.3135 V/m	0.2958 V/m	0.2763 V/m
118	06/18/2013 10:21:21 AM	0.3161 V/m	0.2981 V/m	0.2812 V/m
119	06/18/2013 10:21:31 AM	0.3135 V/m	0.3015 V/m	0.2822 V/m
120	06/18/2013 10:21:41 AM	0.3255 V/m	0.3030 V/m	0.2802 V/m

121	06/18/2013 10:21:51 AM	0.3117 V/m	0.2965 V/m	0.2682 V/m
122	06/18/2013 10:22:01 AM	0.3117 V/m	0.2966 V/m	0.2782 V/m
123	06/18/2013 10:22:11 AM	0.3196 V/m	0.2995 V/m	0.2772 V/m
124	06/18/2013 10:22:21 AM	0.3144 V/m	0.2990 V/m	0.2841 V/m
125	06/18/2013 10:22:31 AM	0.3314 V/m	0.3081 V/m	0.2879 V/m
126	06/18/2013 10:22:41 AM	0.3247 V/m	0.3070 V/m	0.2841 V/m
127	06/18/2013 10:22:51 AM	0.3161 V/m	0.2991 V/m	0.2841 V/m
128	06/18/2013 10:23:01 AM	0.3179 V/m	0.3003 V/m	0.2822 V/m
129	06/18/2013 10:23:11 AM	0.3230 V/m	0.3070 V/m	0.2927 V/m
130	06/18/2013 10:23:21 AM	0.3297 V/m	0.3114 V/m	0.2927 V/m
131	06/18/2013 10:23:31 AM	0.3204 V/m	0.3047 V/m	0.2898 V/m
132	06/18/2013 10:23:41 AM	0.3314 V/m	0.3078 V/m	0.2822 V/m
133	06/18/2013 10:23:51 AM	0.3297 V/m	0.3100 V/m	0.2908 V/m
134	06/18/2013 10:24:01 AM	0.3355 V/m	0.3147 V/m	0.2945 V/m
135	06/18/2013 10:24:11 AM	0.3330 V/m	0.3164 V/m	0.2973 V/m
136	06/18/2013 10:24:21 AM	0.3380 V/m	0.3170 V/m	0.3019 V/m
137	06/18/2013 10:24:31 AM	0.3289 V/m	0.3020 V/m	0.2870 V/m
138	06/18/2013 10:24:41 AM	0.3238 V/m	0.3064 V/m	0.2889 V/m
139	06/18/2013 10:24:51 AM	0.3144 V/m	0.2991 V/m	0.2782 V/m
140	06/18/2013 10:25:01 AM	0.3153 V/m	0.3015 V/m	0.2822 V/m
141	06/18/2013 10:25:11 AM	0.3289 V/m	0.3013 V/m	0.2860 V/m
142	06/18/2013 10:25:21 AM	0.3100 V/m	0.2947 V/m	0.2763 V/m
143	06/18/2013 10:25:31 AM	0.3161 V/m	0.2986 V/m	0.2772 V/m
144	06/18/2013 10:25:41 AM	0.3213 V/m	0.3055 V/m	0.2831 V/m
145	06/18/2013 10:25:51 AM	0.3170 V/m	0.3034 V/m	0.2889 V/m
146	06/18/2013 10:26:01 AM	0.3272 V/m	0.3058 V/m	0.2860 V/m
147	06/18/2013 10:26:11 AM	0.3170 V/m	0.3022 V/m	0.2898 V/m
148	06/18/2013 10:26:21 AM	0.3196 V/m	0.3071 V/m	0.2945 V/m
149	06/18/2013 10:26:31 AM	0.3363 V/m	0.3098 V/m	0.2964 V/m
150	06/18/2013 10:26:41 AM	0.3281 V/m	0.3104 V/m	0.2927 V/m
151	06/18/2013 10:26:51 AM	0.3272 V/m	0.3073 V/m	0.2936 V/m
152	06/18/2013 10:27:01 AM	0.3204 V/m	0.3046 V/m	0.2879 V/m
153	06/18/2013 10:27:11 AM	0.3153 V/m	0.2995 V/m	0.2831 V/m
154	06/18/2013 10:27:21 AM	0.3230 V/m	0.3049 V/m	0.2898 V/m
155	06/18/2013 10:27:31 AM	0.3221 V/m	0.3031 V/m	0.2822 V/m
156	06/18/2013 10:27:41 AM	0.3196 V/m	0.3011 V/m	0.2870 V/m
157	06/18/2013 10:27:51 AM	0.3170 V/m	0.2993 V/m	0.2792 V/m
158	06/18/2013 10:28:01 AM	0.3339 V/m	0.3125 V/m	0.2973 V/m
159	06/18/2013 10:28:11 AM	0.3322 V/m	0.3117 V/m	0.2973 V/m
160	06/18/2013 10:28:21 AM	0.3247 V/m	0.3087 V/m	0.2936 V/m
161	06/18/2013 10:28:31 AM	0.3204 V/m	0.3052 V/m	0.2917 V/m
162	06/18/2013 10:28:41 AM	0.3213 V/m	0.3005 V/m	0.2822 V/m
163	06/18/2013 10:28:51 AM	0.3363 V/m	0.3126 V/m	0.2908 V/m
164	06/18/2013 10:29:01 AM	0.3363 V/m	0.3187 V/m	0.3028 V/m
165	06/18/2013 10:29:11 AM	0.3371 V/m	0.3199 V/m	0.3055 V/m
166	06/18/2013 10:29:21 AM	0.3404 V/m	0.3190 V/m	0.2936 V/m
167	06/18/2013 10:29:31 AM	0.3412 V/m	0.3149 V/m	0.2936 V/m
168	06/18/2013 10:29:41 AM	0.3388 V/m	0.3197 V/m	0.3019 V/m
169	06/18/2013 10:29:51 AM	0.3322 V/m	0.3166 V/m	0.3028 V/m
170	06/18/2013 10:30:01 AM	0.3404 V/m	0.3208 V/m	0.2889 V/m
171	06/18/2013 10:30:11 AM	0.3396 V/m	0.3247 V/m	0.3091 V/m
172	06/18/2013 10:30:21 AM	0.3306 V/m	0.3177 V/m	0.2879 V/m
173	06/18/2013 10:30:31 AM	0.3306 V/m	0.3138 V/m	0.2982 V/m
174	06/18/2013 10:30:41 AM	0.3247 V/m	0.3111 V/m	0.2879 V/m
175	06/18/2013 10:30:51 AM	0.3314 V/m	0.3105 V/m	0.2917 V/m
176	06/18/2013 10:31:01 AM	0.3247 V/m	0.3083 V/m	0.2945 V/m
177	06/18/2013 10:31:11 AM	0.3289 V/m	0.3136 V/m	0.2982 V/m
178	06/18/2013 10:31:21 AM	0.3289 V/m	0.3092 V/m	0.2927 V/m
179	06/18/2013 10:31:31 AM	0.3247 V/m	0.3066 V/m	0.2841 V/m
180	06/18/2013 10:31:41 AM	0.3247 V/m	0.3034 V/m	0.2870 V/m
181	06/18/2013 10:31:51 AM	0.3213 V/m	0.3006 V/m	0.2822 V/m
182	06/18/2013 10:32:01 AM	0.3272 V/m	0.3046 V/m	0.2879 V/m
183	06/18/2013 10:32:11 AM	0.3306 V/m	0.3102 V/m	0.2908 V/m

184	06/18/2013 10:32:21 AM	0.3347 V/m	0.3053 V/m	0.2812 V/m
185	06/18/2013 10:32:31 AM	0.3281 V/m	0.3055 V/m	0.2879 V/m
186	06/18/2013 10:32:41 AM	0.3371 V/m	0.3117 V/m	0.2955 V/m
187	06/18/2013 10:32:51 AM	0.3306 V/m	0.3106 V/m	0.2936 V/m
188	06/18/2013 10:33:01 AM	0.3322 V/m	0.3136 V/m	0.2992 V/m
189	06/18/2013 10:33:11 AM	0.3238 V/m	0.3106 V/m	0.2936 V/m
190	06/18/2013 10:33:21 AM	0.3238 V/m	0.3091 V/m	0.2917 V/m
191	06/18/2013 10:33:31 AM	0.3297 V/m	0.3096 V/m	0.2973 V/m
192	06/18/2013 10:33:41 AM	0.3322 V/m	0.3093 V/m	0.2936 V/m
193	06/18/2013 10:33:51 AM	0.3272 V/m	0.3104 V/m	0.2898 V/m
194	06/18/2013 10:34:01 AM	0.3264 V/m	0.3085 V/m	0.2860 V/m
195	06/18/2013 10:34:11 AM	0.3247 V/m	0.3058 V/m	0.2812 V/m
196	06/18/2013 10:34:21 AM	0.3213 V/m	0.2990 V/m	0.2753 V/m
197	06/18/2013 10:34:31 AM	0.3196 V/m	0.3024 V/m	0.2772 V/m
198	06/18/2013 10:34:41 AM	0.3404 V/m	0.3081 V/m	0.2879 V/m
199	06/18/2013 10:34:51 AM	0.3230 V/m	0.3077 V/m	0.2879 V/m
200	06/18/2013 10:35:01 AM	0.3314 V/m	0.3074 V/m	0.2879 V/m
201	06/18/2013 10:35:11 AM	0.3213 V/m	0.3089 V/m	0.2955 V/m
202	06/18/2013 10:35:21 AM	0.3322 V/m	0.3093 V/m	0.2936 V/m
203	06/18/2013 10:35:31 AM	0.3170 V/m	0.3035 V/m	0.2908 V/m
204	06/18/2013 10:35:41 AM	0.3255 V/m	0.3036 V/m	0.2860 V/m
205	06/18/2013 10:35:51 AM	0.3091 V/m	0.2967 V/m	0.2812 V/m
206	06/18/2013 10:36:01 AM	0.3187 V/m	0.2942 V/m	0.2773 V/m
207	06/18/2013 10:36:11 AM	0.3144 V/m	0.2980 V/m	0.2763 V/m
208	06/18/2013 10:36:21 AM	0.3126 V/m	0.2993 V/m	0.2860 V/m
209	06/18/2013 10:36:31 AM	0.3204 V/m	0.3069 V/m	0.2879 V/m
210	06/18/2013 10:36:41 AM	0.3272 V/m	0.3117 V/m	0.2955 V/m
211	06/18/2013 10:36:51 AM	0.3187 V/m	0.3038 V/m	0.2860 V/m
212	06/18/2013 10:37:01 AM	0.3170 V/m	0.3035 V/m	0.2898 V/m
213	06/18/2013 10:37:11 AM	0.3187 V/m	0.3029 V/m	0.2822 V/m
214	06/18/2013 10:37:21 AM	0.3187 V/m	0.2938 V/m	0.2763 V/m
215	06/18/2013 10:37:31 AM	0.3221 V/m	0.3026 V/m	0.2802 V/m
216	06/18/2013 10:37:41 AM	0.3272 V/m	0.3078 V/m	0.2879 V/m
217	06/18/2013 10:37:51 AM	0.3187 V/m	0.3045 V/m	0.2860 V/m
218	06/18/2013 10:38:01 AM	0.3264 V/m	0.3090 V/m	0.2982 V/m
219	06/18/2013 10:38:11 AM	0.3238 V/m	0.3033 V/m	0.2851 V/m
220	06/18/2013 10:38:21 AM	0.3109 V/m	0.2981 V/m	0.2743 V/m
221	06/18/2013 10:38:31 AM	0.3126 V/m	0.3007 V/m	0.2822 V/m
222	06/18/2013 10:38:41 AM	0.3117 V/m	0.2970 V/m	0.2792 V/m
223	06/18/2013 10:38:51 AM	0.3179 V/m	0.3008 V/m	0.2733 V/m
224	06/18/2013 10:39:01 AM	0.3380 V/m	0.3113 V/m	0.2908 V/m
225	06/18/2013 10:39:11 AM	0.3363 V/m	0.3133 V/m	0.2964 V/m
226	06/18/2013 10:39:21 AM	0.3238 V/m	0.3110 V/m	0.2860 V/m
227	06/18/2013 10:39:31 AM	0.3339 V/m	0.3137 V/m	0.2992 V/m
228	06/18/2013 10:39:41 AM	0.3297 V/m	0.3049 V/m	0.2879 V/m
229	06/18/2013 10:39:51 AM	0.3204 V/m	0.3090 V/m	0.2898 V/m
230	06/18/2013 10:40:01 AM	0.3339 V/m	0.3101 V/m	0.2973 V/m
231	06/18/2013 10:40:11 AM	0.3297 V/m	0.3162 V/m	0.3001 V/m
232	06/18/2013 10:40:21 AM	0.3322 V/m	0.3137 V/m	0.2936 V/m
233	06/18/2013 10:40:31 AM	0.3238 V/m	0.3016 V/m	0.2841 V/m
234	06/18/2013 10:40:41 AM	0.3230 V/m	0.3086 V/m	0.2917 V/m
235	06/18/2013 10:40:51 AM	0.3264 V/m	0.3068 V/m	0.2889 V/m
236	06/18/2013 10:41:01 AM	0.3289 V/m	0.3073 V/m	0.2822 V/m
237	06/18/2013 10:41:11 AM	0.3247 V/m	0.3005 V/m	0.2831 V/m
238	06/18/2013 10:41:21 AM	0.3161 V/m	0.3028 V/m	0.2812 V/m
239	06/18/2013 10:41:31 AM	0.3213 V/m	0.3059 V/m	0.2860 V/m
240	06/18/2013 10:41:41 AM	0.3255 V/m	0.3085 V/m	0.2870 V/m
241	06/18/2013 10:41:51 AM	0.3264 V/m	0.3109 V/m	0.2945 V/m
242	06/18/2013 10:42:01 AM	0.3281 V/m	0.3085 V/m	0.2927 V/m
243	06/18/2013 10:42:11 AM	0.3153 V/m	0.2993 V/m	0.2733 V/m
244	06/18/2013 10:42:21 AM	0.3073 V/m	0.2929 V/m	0.2702 V/m
245	06/18/2013 10:42:31 AM	0.3064 V/m	0.2928 V/m	0.2723 V/m
246	06/18/2013 10:42:41 AM	0.3055 V/m	0.2929 V/m	0.2733 V/m

247	06/18/2013 10:42:51 AM	0.3117 V/m	0.2931 V/m	0.2702 V/m
248	06/18/2013 10:43:01 AM	0.3019 V/m	0.2895 V/m	0.2753 V/m
249	06/18/2013 10:43:11 AM	0.3073 V/m	0.2916 V/m	0.2753 V/m
250	06/18/2013 10:43:21 AM	0.3019 V/m	0.2890 V/m	0.2743 V/m
251	06/18/2013 10:43:31 AM	0.3082 V/m	0.2896 V/m	0.2641 V/m
252	06/18/2013 10:43:41 AM	0.3109 V/m	0.2942 V/m	0.2743 V/m
253	06/18/2013 10:43:51 AM	0.3272 V/m	0.2988 V/m	0.2802 V/m
254	06/18/2013 10:44:01 AM	0.3179 V/m	0.3002 V/m	0.2812 V/m
255	06/18/2013 10:44:11 AM	0.3179 V/m	0.2977 V/m	0.2802 V/m
256	06/18/2013 10:44:21 AM	0.3238 V/m	0.3029 V/m	0.2831 V/m
257	06/18/2013 10:44:31 AM	0.3170 V/m	0.3042 V/m	0.2870 V/m
258	06/18/2013 10:44:41 AM	0.3238 V/m	0.3106 V/m	0.2945 V/m
259	06/18/2013 10:44:51 AM	0.3998 V/m	0.3100 V/m	0.2651 V/m
260	06/18/2013 10:45:01 AM	0.3347 V/m	0.3085 V/m	0.2870 V/m
261	06/18/2013 10:45:11 AM	0.3213 V/m	0.3024 V/m	0.2889 V/m
262	06/18/2013 10:45:21 AM	0.3109 V/m	0.2960 V/m	0.2773 V/m
263	06/18/2013 10:45:31 AM	0.3221 V/m	0.3017 V/m	0.2682 V/m
264	06/18/2013 10:45:41 AM	0.3289 V/m	0.3080 V/m	0.2898 V/m
265	06/18/2013 10:45:51 AM	0.3387 V/m	0.3035 V/m	0.2743 V/m
266	06/18/2013 10:46:01 AM	0.3339 V/m	0.3113 V/m	0.2945 V/m
267	06/18/2013 10:46:11 AM	0.3330 V/m	0.3148 V/m	0.2936 V/m
268	06/18/2013 10:46:21 AM	0.3330 V/m	0.3134 V/m	0.2973 V/m
269	06/18/2013 10:46:31 AM	0.3949 V/m	0.3167 V/m	0.2945 V/m
270	06/18/2013 10:46:41 AM	0.3468 V/m	0.3191 V/m	0.2955 V/m
271	06/18/2013 10:46:51 AM	0.3379 V/m	0.3201 V/m	0.3010 V/m
272	06/18/2013 10:47:01 AM	0.3355 V/m	0.3186 V/m	0.3019 V/m
273	06/18/2013 10:47:11 AM	0.3339 V/m	0.3195 V/m	0.2908 V/m
274	06/18/2013 10:47:21 AM	0.3347 V/m	0.3164 V/m	0.2898 V/m
275	06/18/2013 10:47:31 AM	0.3638 V/m	0.3231 V/m	0.2927 V/m
276	06/18/2013 10:47:41 AM	0.3289 V/m	0.3049 V/m	0.2889 V/m
277	06/18/2013 10:47:51 AM	0.3272 V/m	0.3063 V/m	0.2822 V/m
278	06/18/2013 10:48:01 AM	0.3238 V/m	0.3072 V/m	0.2822 V/m
279	06/18/2013 10:48:11 AM	0.3314 V/m	0.3139 V/m	0.2898 V/m
280	06/18/2013 10:48:21 AM	0.3247 V/m	0.3095 V/m	0.2879 V/m
281	06/18/2013 10:48:31 AM	0.3322 V/m	0.3069 V/m	0.2851 V/m
282	06/18/2013 10:48:41 AM	0.3396 V/m	0.3119 V/m	0.2908 V/m
283	06/18/2013 10:48:51 AM	0.3339 V/m	0.3043 V/m	0.2812 V/m
284	06/18/2013 10:49:01 AM	0.3264 V/m	0.3062 V/m	0.2860 V/m
285	06/18/2013 10:49:11 AM	0.3255 V/m	0.3047 V/m	0.2860 V/m
286	06/18/2013 10:49:21 AM	0.3187 V/m	0.3028 V/m	0.2802 V/m
287	06/18/2013 10:49:31 AM	0.3306 V/m	0.3071 V/m	0.2802 V/m
288	06/18/2013 10:49:41 AM	0.3213 V/m	0.3000 V/m	0.2860 V/m
289	06/18/2013 10:49:51 AM	0.3213 V/m	0.3027 V/m	0.2831 V/m
290	06/18/2013 10:50:01 AM	0.3161 V/m	0.3022 V/m	0.2753 V/m
291	06/18/2013 10:50:11 AM	0.3153 V/m	0.2957 V/m	0.2783 V/m
292	06/18/2013 10:50:21 AM	0.3170 V/m	0.2936 V/m	0.2743 V/m
293	06/18/2013 10:50:31 AM	0.3117 V/m	0.2968 V/m	0.2831 V/m
294	06/18/2013 10:50:41 AM	0.3161 V/m	0.2915 V/m	0.2743 V/m
295	06/18/2013 10:50:51 AM	0.3170 V/m	0.2949 V/m	0.2713 V/m
296	06/18/2013 10:51:01 AM	0.3239 V/m	0.2902 V/m	0.2609 V/m
297	06/18/2013 10:51:11 AM	0.3091 V/m	0.2885 V/m	0.2702 V/m
298	06/18/2013 10:51:21 AM	0.3100 V/m	0.2941 V/m	0.2723 V/m
299	06/18/2013 10:51:31 AM	0.3170 V/m	0.2963 V/m	0.2773 V/m
300	06/18/2013 10:51:41 AM	0.3161 V/m	0.2960 V/m	0.2672 V/m
301	06/18/2013 10:51:51 AM	0.3100 V/m	0.2941 V/m	0.2773 V/m
302	06/18/2013 10:52:01 AM	0.3170 V/m	0.2979 V/m	0.2763 V/m
303	06/18/2013 10:52:11 AM	0.3091 V/m	0.2883 V/m	0.2682 V/m
304	06/18/2013 10:52:21 AM	0.3118 V/m	0.2879 V/m	0.2651 V/m
305	06/18/2013 10:52:31 AM	0.3073 V/m	0.2908 V/m	0.2733 V/m
306	06/18/2013 10:52:41 AM	0.3152 V/m	0.2915 V/m	0.2692 V/m
307	06/18/2013 10:52:51 AM	0.3073 V/m	0.2907 V/m	0.2692 V/m
308	06/18/2013 10:53:01 AM	0.2992 V/m	0.2761 V/m	0.2556 V/m
309	06/18/2013 10:53:11 AM	0.3046 V/m	0.2809 V/m	0.2578 V/m

310	06/18/2013 10:53:21 AM	0.3028 V/m	0.2844 V/m	0.2672 V/m
311	06/18/2013 10:53:31 AM	0.2992 V/m	0.2781 V/m	0.2578 V/m
312	06/18/2013 10:53:41 AM	0.3046 V/m	0.2865 V/m	0.2672 V/m
313	06/18/2013 10:53:51 AM	0.3019 V/m	0.2829 V/m	0.2567 V/m
314	06/18/2013 10:54:01 AM	0.2983 V/m	0.2793 V/m	0.2599 V/m
315	06/18/2013 10:54:11 AM	0.3082 V/m	0.2911 V/m	0.2733 V/m
316	06/18/2013 10:54:21 AM	0.3064 V/m	0.2857 V/m	0.2672 V/m
317	06/18/2013 10:54:31 AM	0.3001 V/m	0.2822 V/m	0.2609 V/m
318	06/18/2013 10:54:41 AM	0.3179 V/m	0.2838 V/m	0.2672 V/m
319	06/18/2013 10:54:51 AM	0.2945 V/m	0.2780 V/m	0.2599 V/m
320	06/18/2013 10:55:01 AM	0.3091 V/m	0.2848 V/m	0.2651 V/m
321	06/18/2013 10:55:11 AM	0.3046 V/m	0.2890 V/m	0.2753 V/m
322	06/18/2013 10:55:21 AM	0.3001 V/m	0.2798 V/m	0.2546 V/m
323	06/18/2013 10:55:31 AM	0.3001 V/m	0.2872 V/m	0.2609 V/m
324	06/18/2013 10:55:41 AM	0.3118 V/m	0.2881 V/m	0.2620 V/m
325	06/18/2013 10:55:51 AM	0.3064 V/m	0.2877 V/m	0.2692 V/m
326	06/18/2013 10:56:01 AM	0.3230 V/m	0.2915 V/m	0.2713 V/m
327	06/18/2013 10:56:11 AM	0.3082 V/m	0.2855 V/m	0.2651 V/m
328	06/18/2013 10:56:21 AM	0.4179 V/m	0.3590 V/m	0.2812 V/m
329	06/18/2013 10:56:31 AM	0.4186 V/m	0.3747 V/m	0.3322 V/m
330	06/18/2013 10:56:41 AM	0.3935 V/m	0.3650 V/m	0.3444 V/m
331	06/18/2013 10:56:51 AM	0.4046 V/m	0.3555 V/m	0.3264 V/m
332	06/18/2013 10:57:01 AM	0.4192 V/m	0.3743 V/m	0.3388 V/m
333	06/18/2013 10:57:11 AM	0.3865 V/m	0.3540 V/m	0.3355 V/m
334	06/18/2013 10:57:21 AM	0.3970 V/m	0.3704 V/m	0.3476 V/m
335	06/18/2013 10:57:31 AM	0.4025 V/m	0.3742 V/m	0.3468 V/m
336	06/18/2013 10:57:41 AM	0.3935 V/m	0.3737 V/m	0.3492 V/m
337	06/18/2013 10:57:51 AM	0.3907 V/m	0.3688 V/m	0.3452 V/m
338	06/18/2013 10:58:01 AM	0.3991 V/m	0.3639 V/m	0.3388 V/m
339	06/18/2013 10:58:11 AM	0.3935 V/m	0.3677 V/m	0.3507 V/m
340	06/18/2013 10:58:21 AM	0.3977 V/m	0.3653 V/m	0.3460 V/m
341	06/18/2013 10:58:31 AM	0.4005 V/m	0.3803 V/m	0.3562 V/m
342	06/18/2013 10:58:41 AM	0.3808 V/m	0.3625 V/m	0.3436 V/m
343	06/18/2013 10:58:51 AM	0.4025 V/m	0.3801 V/m	0.3592 V/m
344	06/18/2013 10:59:01 AM	0.4005 V/m	0.3726 V/m	0.3531 V/m
345	06/18/2013 10:59:11 AM	0.4225 V/m	0.3817 V/m	0.3492 V/m
346	06/18/2013 10:59:21 AM	0.4133 V/m	0.3862 V/m	0.3523 V/m
347	06/18/2013 10:59:31 AM	0.3829 V/m	0.3680 V/m	0.3460 V/m
348	06/18/2013 10:59:41 AM	0.4290 V/m	0.3995 V/m	0.3676 V/m
349	06/18/2013 10:59:51 AM	0.4166 V/m	0.3844 V/m	0.3608 V/m
350	06/18/2013 11:00:01 AM	0.4153 V/m	0.3761 V/m	0.3523 V/m
351	06/18/2013 11:00:11 AM	0.4347 V/m	0.3912 V/m	0.3600 V/m
352	06/18/2013 11:00:21 AM	0.3998 V/m	0.3728 V/m	0.3554 V/m
353	06/18/2013 11:00:31 AM	0.3914 V/m	0.3739 V/m	0.3531 V/m
354	06/18/2013 11:00:41 AM	0.4526 V/m	0.4108 V/m	0.3676 V/m
355	06/18/2013 11:00:51 AM	0.4459 V/m	0.3963 V/m	0.3623 V/m
356	06/18/2013 11:01:01 AM	0.4496 V/m	0.4107 V/m	0.3801 V/m
357	06/18/2013 11:01:11 AM	0.4212 V/m	0.3792 V/m	0.3404 V/m
358	06/18/2013 11:01:21 AM	0.4052 V/m	0.3784 V/m	0.3531 V/m
359	06/18/2013 11:01:31 AM	0.4120 V/m	0.3770 V/m	0.3476 V/m
360	06/18/2013 11:01:41 AM	0.4447 V/m	0.4015 V/m	0.3412 V/m
361	06/18/2013 11:01:51 AM	0.4391 V/m	0.4022 V/m	0.3562 V/m
362	06/18/2013 11:02:01 AM	0.4422 V/m	0.4195 V/m	0.3742 V/m
363	06/18/2013 11:02:11 AM	0.4441 V/m	0.3962 V/m	0.3515 V/m
364	06/18/2013 11:02:21 AM	0.4328 V/m	0.3806 V/m	0.3570 V/m
365	06/18/2013 11:02:31 AM	0.4244 V/m	0.3910 V/m	0.3476 V/m
366	06/18/2013 11:02:41 AM	0.4045 V/m	0.3710 V/m	0.3428 V/m
367	06/18/2013 11:02:51 AM	0.4146 V/m	0.3808 V/m	0.3476 V/m
368	06/18/2013 11:03:01 AM	0.4005 V/m	0.3765 V/m	0.3554 V/m
369	06/18/2013 11:03:11 AM	0.4046 V/m	0.3767 V/m	0.3615 V/m
370	06/18/2013 11:03:21 AM	0.4053 V/m	0.3750 V/m	0.3539 V/m
371	06/18/2013 11:03:31 AM	0.4192 V/m	0.3826 V/m	0.3468 V/m
372	06/18/2013 11:03:41 AM	0.4133 V/m	0.3806 V/m	0.3523 V/m

373	06/18/2013 11:03:51 AM	0.4153 V/m	0.3877 V/m	0.3683 V/m
374	06/18/2013 11:04:01 AM	0.4575 V/m	0.4248 V/m	0.3720 V/m
375	06/18/2013 11:04:11 AM	0.4296 V/m	0.3948 V/m	0.3676 V/m
376	06/18/2013 11:04:21 AM	0.3949 V/m	0.3776 V/m	0.3546 V/m
377	06/18/2013 11:04:31 AM	0.4005 V/m	0.3772 V/m	0.3523 V/m
378	06/18/2013 11:04:41 AM	0.4166 V/m	0.3782 V/m	0.3562 V/m
379	06/18/2013 11:04:51 AM	0.4073 V/m	0.3859 V/m	0.3676 V/m
380	06/18/2013 11:05:01 AM	0.3977 V/m	0.3817 V/m	0.3638 V/m
381	06/18/2013 11:05:11 AM	0.4011 V/m	0.3722 V/m	0.3523 V/m
382	06/18/2013 11:05:21 AM	0.4005 V/m	0.3792 V/m	0.3592 V/m
383	06/18/2013 11:05:31 AM	0.3914 V/m	0.3719 V/m	0.3531 V/m
384	06/18/2013 11:05:41 AM	0.3914 V/m	0.3739 V/m	0.3507 V/m
385	06/18/2013 11:05:51 AM	0.3893 V/m	0.3710 V/m	0.3562 V/m
386	06/18/2013 11:06:01 AM	0.3893 V/m	0.3726 V/m	0.3577 V/m
387	06/18/2013 11:06:11 AM	0.3977 V/m	0.3712 V/m	0.3396 V/m
388	06/18/2013 11:06:21 AM	0.3879 V/m	0.3688 V/m	0.3420 V/m
389	06/18/2013 11:06:31 AM	0.3858 V/m	0.3715 V/m	0.3577 V/m
390	06/18/2013 11:06:41 AM	0.3858 V/m	0.3661 V/m	0.3314 V/m
391	06/18/2013 11:06:51 AM	0.3865 V/m	0.3696 V/m	0.3484 V/m
392	06/18/2013 11:07:01 AM	0.3900 V/m	0.3677 V/m	0.3500 V/m
393	06/18/2013 11:07:11 AM	0.3900 V/m	0.3702 V/m	0.3476 V/m
394	06/18/2013 11:07:21 AM	0.3963 V/m	0.3678 V/m	0.3484 V/m
395	06/18/2013 11:07:31 AM	0.3942 V/m	0.3793 V/m	0.3653 V/m
396	06/18/2013 11:07:41 AM	0.4106 V/m	0.3883 V/m	0.3653 V/m
397	06/18/2013 11:07:51 AM	0.3956 V/m	0.3826 V/m	0.3615 V/m
398	06/18/2013 11:08:01 AM	0.3977 V/m	0.3818 V/m	0.3623 V/m
399	06/18/2013 11:08:11 AM	0.3829 V/m	0.3660 V/m	0.3531 V/m
400	06/18/2013 11:08:21 AM	0.3779 V/m	0.3642 V/m	0.3436 V/m
401	06/18/2013 11:08:31 AM	0.3793 V/m	0.3604 V/m	0.3404 V/m
402	06/18/2013 11:08:41 AM	0.3879 V/m	0.3706 V/m	0.3523 V/m
403	06/18/2013 11:08:51 AM	0.3844 V/m	0.3697 V/m	0.3492 V/m
404	06/18/2013 11:09:01 AM	0.3851 V/m	0.3655 V/m	0.3492 V/m
405	06/18/2013 11:09:11 AM	0.3757 V/m	0.3559 V/m	0.3256 V/m
406	06/18/2013 11:09:21 AM	0.3757 V/m	0.3597 V/m	0.3420 V/m
407	06/18/2013 11:09:31 AM	0.4120 V/m	0.3793 V/m	0.3484 V/m
408	06/18/2013 11:09:41 AM	0.3970 V/m	0.3573 V/m	0.3298 V/m
409	06/18/2013 11:09:51 AM	0.3698 V/m	0.3584 V/m	0.3412 V/m
410	06/18/2013 11:10:01 AM	0.3668 V/m	0.3552 V/m	0.3436 V/m
411	06/18/2013 11:10:11 AM	0.3779 V/m	0.3574 V/m	0.3412 V/m
412	06/18/2013 11:10:21 AM	0.3793 V/m	0.3616 V/m	0.3515 V/m
413	06/18/2013 11:10:31 AM	0.3808 V/m	0.3592 V/m	0.3428 V/m
414	06/18/2013 11:10:41 AM	0.3691 V/m	0.3536 V/m	0.3331 V/m
415	06/18/2013 11:10:51 AM	0.3638 V/m	0.3499 V/m	0.3363 V/m
416	06/18/2013 11:11:01 AM	0.3936 V/m	0.3508 V/m	0.3331 V/m
417	06/18/2013 11:11:11 AM	0.3646 V/m	0.3377 V/m	0.3179 V/m
418	06/18/2013 11:11:21 AM	0.3638 V/m	0.3463 V/m	0.3272 V/m
419	06/18/2013 11:11:31 AM	0.3638 V/m	0.3462 V/m	0.3256 V/m
420	06/18/2013 11:11:41 AM	0.3728 V/m	0.3531 V/m	0.3380 V/m
421	06/18/2013 11:11:51 AM	0.3728 V/m	0.3439 V/m	0.3187 V/m
422	06/18/2013 11:12:01 AM	0.3757 V/m	0.3491 V/m	0.3247 V/m
423	06/18/2013 11:12:11 AM	0.3757 V/m	0.3578 V/m	0.3412 V/m
424	06/18/2013 11:12:21 AM	0.3764 V/m	0.3462 V/m	0.3187 V/m
425	06/18/2013 11:12:31 AM	0.3728 V/m	0.3511 V/m	0.3273 V/m
426	06/18/2013 11:12:41 AM	0.3956 V/m	0.3482 V/m	0.3222 V/m
427	06/18/2013 11:12:51 AM	0.3676 V/m	0.3458 V/m	0.3188 V/m
428	06/18/2013 11:13:01 AM	0.3713 V/m	0.3504 V/m	0.3339 V/m
429	06/18/2013 11:13:11 AM	0.3977 V/m	0.3663 V/m	0.3420 V/m
430	06/18/2013 11:13:21 AM	0.4146 V/m	0.3688 V/m	0.3404 V/m
431	06/18/2013 11:13:31 AM	0.3851 V/m	0.3674 V/m	0.3460 V/m
432	06/18/2013 11:13:41 AM	0.3742 V/m	0.3628 V/m	0.3500 V/m
433	06/18/2013 11:13:51 AM	0.3779 V/m	0.3609 V/m	0.3380 V/m
434	06/18/2013 11:14:01 AM	0.3800 V/m	0.3647 V/m	0.3468 V/m
435	06/18/2013 11:14:11 AM	0.3921 V/m	0.3709 V/m	0.3468 V/m

436	06/18/2013 11:14:21 AM	0.3772 V/m	0.3629 V/m	0.3468 V/m
437	06/18/2013 11:14:31 AM	0.3779 V/m	0.3548 V/m	0.3264 V/m
438	06/18/2013 11:14:41 AM	0.3942 V/m	0.3579 V/m	0.3264 V/m
439	06/18/2013 11:14:51 AM	0.3970 V/m	0.3677 V/m	0.3428 V/m
440	06/18/2013 11:15:01 AM	0.3836 V/m	0.3695 V/m	0.3476 V/m
441	06/18/2013 11:15:11 AM	0.3865 V/m	0.3662 V/m	0.3428 V/m
442	06/18/2013 11:15:21 AM	0.3907 V/m	0.3659 V/m	0.3468 V/m
443	06/18/2013 11:15:31 AM	0.3786 V/m	0.3626 V/m	0.3396 V/m
444	06/18/2013 11:15:41 AM	0.3786 V/m	0.3648 V/m	0.3380 V/m
445	06/18/2013 11:15:51 AM	0.3750 V/m	0.3553 V/m	0.3273 V/m
446	06/18/2013 11:16:01 AM	0.3713 V/m	0.3531 V/m	0.3264 V/m
447	06/18/2013 11:16:11 AM	0.4093 V/m	0.3711 V/m	0.3460 V/m
448	06/18/2013 11:16:21 AM	0.4133 V/m	0.3942 V/m	0.3757 V/m
449	06/18/2013 11:16:31 AM	0.4232 V/m	0.3919 V/m	0.3750 V/m
450	06/18/2013 11:16:41 AM	0.3998 V/m	0.3892 V/m	0.3742 V/m
451	06/18/2013 11:16:51 AM	0.4113 V/m	0.3960 V/m	0.3764 V/m
452	06/18/2013 11:17:01 AM	0.4025 V/m	0.3877 V/m	0.3676 V/m
453	06/18/2013 11:17:11 AM	0.4160 V/m	0.3937 V/m	0.3646 V/m
454	06/18/2013 11:17:21 AM	0.4032 V/m	0.3891 V/m	0.3764 V/m
455	06/18/2013 11:17:31 AM	0.4066 V/m	0.3914 V/m	0.3742 V/m
456	06/18/2013 11:17:41 AM	0.4025 V/m	0.3769 V/m	0.3452 V/m
457	06/18/2013 11:17:51 AM	0.3851 V/m	0.3636 V/m	0.3436 V/m
458	06/18/2013 11:18:01 AM	0.3800 V/m	0.3607 V/m	0.3404 V/m
459	06/18/2013 11:18:11 AM	0.3893 V/m	0.3658 V/m	0.3476 V/m
460	06/18/2013 11:18:21 AM	0.3956 V/m	0.3735 V/m	0.3523 V/m
461	06/18/2013 11:18:31 AM	0.3858 V/m	0.3732 V/m	0.3585 V/m
462	06/18/2013 11:18:41 AM	0.3935 V/m	0.3669 V/m	0.3256 V/m
463	06/18/2013 11:18:51 AM	0.4046 V/m	0.3760 V/m	0.3531 V/m
464	06/18/2013 11:19:01 AM	0.3837 V/m	0.3682 V/m	0.3539 V/m
465	06/18/2013 11:19:11 AM	0.3900 V/m	0.3624 V/m	0.3306 V/m
466	06/18/2013 11:19:21 AM	0.3963 V/m	0.3660 V/m	0.3347 V/m
467	06/18/2013 11:19:31 AM	0.4113 V/m	0.3688 V/m	0.3347 V/m
468	06/18/2013 11:19:41 AM	0.4106 V/m	0.3847 V/m	0.3554 V/m
469	06/18/2013 11:19:51 AM	0.4173 V/m	0.3879 V/m	0.3492 V/m
470	06/18/2013 11:20:01 AM	0.4232 V/m	0.3929 V/m	0.3577 V/m
471	06/18/2013 11:20:11 AM	0.4334 V/m	0.3986 V/m	0.3676 V/m
472	06/18/2013 11:20:21 AM	0.4046 V/m	0.3804 V/m	0.3562 V/m
473	06/18/2013 11:20:31 AM	0.4032 V/m	0.3819 V/m	0.3562 V/m
474	06/18/2013 11:20:41 AM	0.4039 V/m	0.3799 V/m	0.3608 V/m
475	06/18/2013 11:20:51 AM	0.4025 V/m	0.3749 V/m	0.3460 V/m
476	06/18/2013 11:21:01 AM	0.3977 V/m	0.3787 V/m	0.3347 V/m
477	06/18/2013 11:21:11 AM	0.4106 V/m	0.3812 V/m	0.3476 V/m
478	06/18/2013 11:21:21 AM	0.4133 V/m	0.3930 V/m	0.3630 V/m
479	06/18/2013 11:21:31 AM	0.4166 V/m	0.3768 V/m	0.3476 V/m
480	06/18/2013 11:21:41 AM	0.3815 V/m	0.3671 V/m	0.3492 V/m
481	06/18/2013 11:21:51 AM	0.3844 V/m	0.3669 V/m	0.3476 V/m
482	06/18/2013 11:22:01 AM	0.3793 V/m	0.3647 V/m	0.3484 V/m
483	06/18/2013 11:22:11 AM	0.3808 V/m	0.3654 V/m	0.3412 V/m
484	06/18/2013 11:22:21 AM	0.3879 V/m	0.3706 V/m	0.3585 V/m
485	06/18/2013 11:22:31 AM	0.3984 V/m	0.3794 V/m	0.3638 V/m
486	06/18/2013 11:22:41 AM	0.3851 V/m	0.3696 V/m	0.3554 V/m
487	06/18/2013 11:22:51 AM	0.3907 V/m	0.3690 V/m	0.3468 V/m
488	06/18/2013 11:23:01 AM	0.3935 V/m	0.3679 V/m	0.3476 V/m
489	06/18/2013 11:23:11 AM	0.3858 V/m	0.3698 V/m	0.3562 V/m
490	06/18/2013 11:23:21 AM	0.3942 V/m	0.3665 V/m	0.3396 V/m
491	06/18/2013 11:23:31 AM	0.4113 V/m	0.3737 V/m	0.3562 V/m
492	06/18/2013 11:23:41 AM	0.4018 V/m	0.3812 V/m	0.3585 V/m
493	06/18/2013 11:23:51 AM	0.3977 V/m	0.3754 V/m	0.3600 V/m
494	06/18/2013 11:24:01 AM	0.3872 V/m	0.3681 V/m	0.3468 V/m
495	06/18/2013 11:24:11 AM	0.3851 V/m	0.3662 V/m	0.3460 V/m
496	06/18/2013 11:24:21 AM	0.3764 V/m	0.3573 V/m	0.3380 V/m
497	06/18/2013 11:24:31 AM	0.3786 V/m	0.3591 V/m	0.3306 V/m
498	06/18/2013 11:24:41 AM	0.3764 V/m	0.3592 V/m	0.3380 V/m

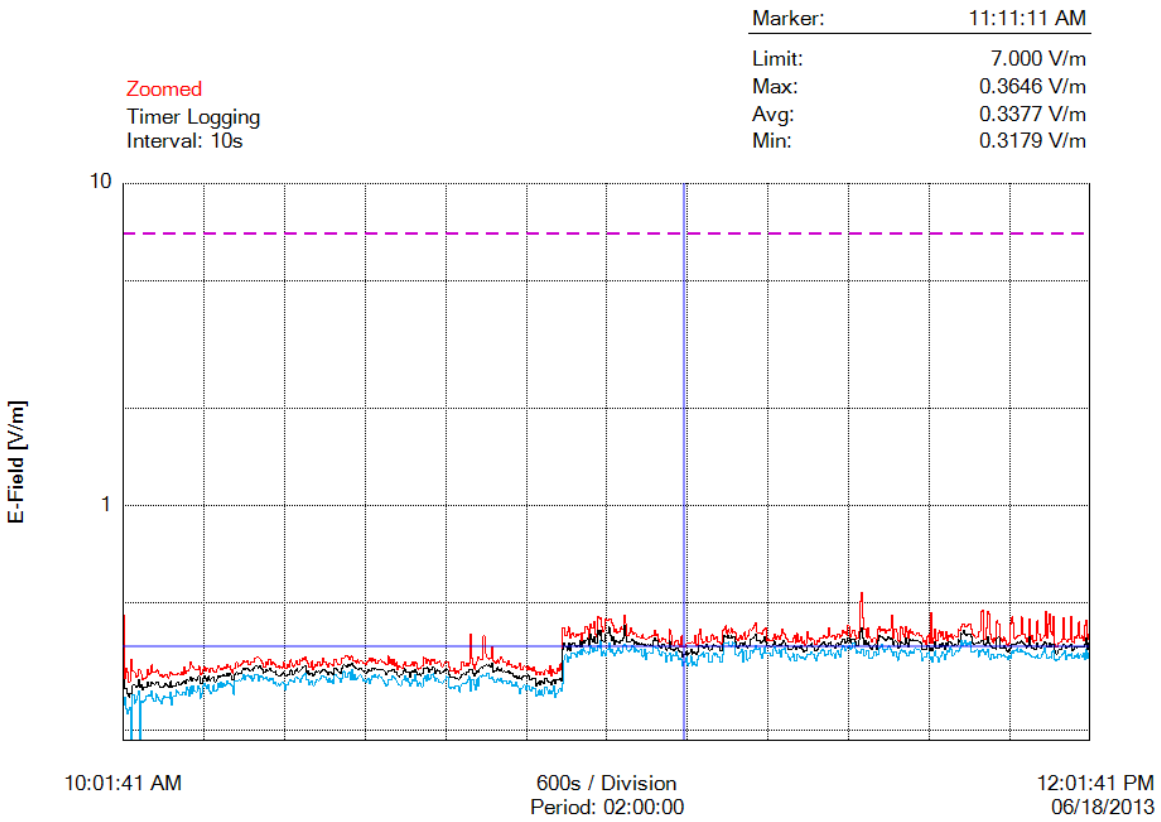
499	06/18/2013 11:24:51 AM	0.3872 V/m	0.3629 V/m	0.3468 V/m
500	06/18/2013 11:25:01 AM	0.3956 V/m	0.3659 V/m	0.3289 V/m
501	06/18/2013 11:25:11 AM	0.3750 V/m	0.3561 V/m	0.3289 V/m
502	06/18/2013 11:25:21 AM	0.4005 V/m	0.3650 V/m	0.3460 V/m
503	06/18/2013 11:25:31 AM	0.3764 V/m	0.3638 V/m	0.3436 V/m
504	06/18/2013 11:25:41 AM	0.3793 V/m	0.3599 V/m	0.3388 V/m
505	06/18/2013 11:25:51 AM	0.3900 V/m	0.3668 V/m	0.3347 V/m
506	06/18/2013 11:26:01 AM	0.3742 V/m	0.3590 V/m	0.3380 V/m
507	06/18/2013 11:26:11 AM	0.3793 V/m	0.3521 V/m	0.3364 V/m
508	06/18/2013 11:26:21 AM	0.3683 V/m	0.3534 V/m	0.3322 V/m
509	06/18/2013 11:26:31 AM	0.3728 V/m	0.3528 V/m	0.3388 V/m
510	06/18/2013 11:26:41 AM	0.4066 V/m	0.3665 V/m	0.3444 V/m
511	06/18/2013 11:26:51 AM	0.3872 V/m	0.3659 V/m	0.3436 V/m
512	06/18/2013 11:27:01 AM	0.3822 V/m	0.3658 V/m	0.3444 V/m
513	06/18/2013 11:27:11 AM	0.3893 V/m	0.3733 V/m	0.3515 V/m
514	06/18/2013 11:27:21 AM	0.3836 V/m	0.3628 V/m	0.3452 V/m
515	06/18/2013 11:27:31 AM	0.3720 V/m	0.3548 V/m	0.3372 V/m
516	06/18/2013 11:27:41 AM	0.3690 V/m	0.3531 V/m	0.3289 V/m
517	06/18/2013 11:27:51 AM	0.3815 V/m	0.3571 V/m	0.3404 V/m
518	06/18/2013 11:28:01 AM	0.3779 V/m	0.3638 V/m	0.3468 V/m
519	06/18/2013 11:28:11 AM	0.3886 V/m	0.3678 V/m	0.3492 V/m
520	06/18/2013 11:28:21 AM	0.3893 V/m	0.3696 V/m	0.3539 V/m
521	06/18/2013 11:28:31 AM	0.3872 V/m	0.3736 V/m	0.3569 V/m
522	06/18/2013 11:28:41 AM	0.3942 V/m	0.3765 V/m	0.3554 V/m
523	06/18/2013 11:28:51 AM	0.3900 V/m	0.3695 V/m	0.3428 V/m
524	06/18/2013 11:29:01 AM	0.3872 V/m	0.3630 V/m	0.3460 V/m
525	06/18/2013 11:29:11 AM	0.3915 V/m	0.3670 V/m	0.3460 V/m
526	06/18/2013 11:29:21 AM	0.4179 V/m	0.3755 V/m	0.3546 V/m
527	06/18/2013 11:29:31 AM	0.3928 V/m	0.3760 V/m	0.3570 V/m
528	06/18/2013 11:29:41 AM	0.3907 V/m	0.3659 V/m	0.3428 V/m
529	06/18/2013 11:29:51 AM	0.3956 V/m	0.3658 V/m	0.3468 V/m
530	06/18/2013 11:30:01 AM	0.3829 V/m	0.3598 V/m	0.3347 V/m
531	06/18/2013 11:30:11 AM	0.3914 V/m	0.3724 V/m	0.3492 V/m
532	06/18/2013 11:30:21 AM	0.3984 V/m	0.3756 V/m	0.3554 V/m
533	06/18/2013 11:30:31 AM	0.3998 V/m	0.3686 V/m	0.3452 V/m
534	06/18/2013 11:30:41 AM	0.3893 V/m	0.3711 V/m	0.3388 V/m
535	06/18/2013 11:30:51 AM	0.3956 V/m	0.3765 V/m	0.3585 V/m
536	06/18/2013 11:31:01 AM	0.4079 V/m	0.3849 V/m	0.3683 V/m
537	06/18/2013 11:31:11 AM	0.4004 V/m	0.3839 V/m	0.3638 V/m
538	06/18/2013 11:31:21 AM	0.4052 V/m	0.3736 V/m	0.3539 V/m
539	06/18/2013 11:31:31 AM	0.3963 V/m	0.3778 V/m	0.3592 V/m
540	06/18/2013 11:31:41 AM	0.4251 V/m	0.3885 V/m	0.3653 V/m
541	06/18/2013 11:31:51 AM	0.4225 V/m	0.3899 V/m	0.3683 V/m
542	06/18/2013 11:32:01 AM	0.3914 V/m	0.3755 V/m	0.3577 V/m
543	06/18/2013 11:32:11 AM	0.4005 V/m	0.3856 V/m	0.3615 V/m
544	06/18/2013 11:32:21 AM	0.4100 V/m	0.3855 V/m	0.3757 V/m
545	06/18/2013 11:32:31 AM	0.3963 V/m	0.3785 V/m	0.3592 V/m
546	06/18/2013 11:32:41 AM	0.3858 V/m	0.3665 V/m	0.3476 V/m
547	06/18/2013 11:32:51 AM	0.3879 V/m	0.3682 V/m	0.3531 V/m
548	06/18/2013 11:33:01 AM	0.4059 V/m	0.3821 V/m	0.3515 V/m
549	06/18/2013 11:33:11 AM	0.5043 V/m	0.4063 V/m	0.3468 V/m
550	06/18/2013 11:33:21 AM	0.5386 V/m	0.4171 V/m	0.3569 V/m
551	06/18/2013 11:33:31 AM	0.4465 V/m	0.3862 V/m	0.3562 V/m
552	06/18/2013 11:33:41 AM	0.4120 V/m	0.3709 V/m	0.3404 V/m
553	06/18/2013 11:33:51 AM	0.4113 V/m	0.3812 V/m	0.3436 V/m
554	06/18/2013 11:34:01 AM	0.3893 V/m	0.3691 V/m	0.3539 V/m
555	06/18/2013 11:34:11 AM	0.4186 V/m	0.3766 V/m	0.3554 V/m
556	06/18/2013 11:34:21 AM	0.3900 V/m	0.3681 V/m	0.3347 V/m
557	06/18/2013 11:34:31 AM	0.3851 V/m	0.3597 V/m	0.3347 V/m
558	06/18/2013 11:34:41 AM	0.3764 V/m	0.3571 V/m	0.3363 V/m
559	06/18/2013 11:34:51 AM	0.3865 V/m	0.3669 V/m	0.3412 V/m
560	06/18/2013 11:35:01 AM	0.3872 V/m	0.3701 V/m	0.3515 V/m
561	06/18/2013 11:35:11 AM	0.3757 V/m	0.3577 V/m	0.3428 V/m

562	06/18/2013 11:35:21 AM	0.4120 V/m	0.3809 V/m	0.3436 V/m
563	06/18/2013 11:35:31 AM	0.4205 V/m	0.3945 V/m	0.3600 V/m
564	06/18/2013 11:35:41 AM	0.4073 V/m	0.3910 V/m	0.3646 V/m
565	06/18/2013 11:35:51 AM	0.4126 V/m	0.3919 V/m	0.3705 V/m
566	06/18/2013 11:36:01 AM	0.4106 V/m	0.3880 V/m	0.3562 V/m
567	06/18/2013 11:36:11 AM	0.4126 V/m	0.3827 V/m	0.3523 V/m
568	06/18/2013 11:36:21 AM	0.4025 V/m	0.3817 V/m	0.3585 V/m
569	06/18/2013 11:36:31 AM	0.4100 V/m	0.3858 V/m	0.3577 V/m
570	06/18/2013 11:36:41 AM	0.4120 V/m	0.3920 V/m	0.3661 V/m
571	06/18/2013 11:36:51 AM	0.4079 V/m	0.3876 V/m	0.3646 V/m
572	06/18/2013 11:37:01 AM	0.4159 V/m	0.3845 V/m	0.3562 V/m
573	06/18/2013 11:37:11 AM	0.4575 V/m	0.3878 V/m	0.3515 V/m
574	06/18/2013 11:37:21 AM	0.3872 V/m	0.3690 V/m	0.3404 V/m
575	06/18/2013 11:37:31 AM	0.4140 V/m	0.3801 V/m	0.3523 V/m
576	06/18/2013 11:37:41 AM	0.4052 V/m	0.3767 V/m	0.3388 V/m
577	06/18/2013 11:37:51 AM	0.3808 V/m	0.3602 V/m	0.3306 V/m
578	06/18/2013 11:38:01 AM	0.3779 V/m	0.3631 V/m	0.3468 V/m
579	06/18/2013 11:38:11 AM	0.4212 V/m	0.3780 V/m	0.3538 V/m
580	06/18/2013 11:38:21 AM	0.4179 V/m	0.3730 V/m	0.3562 V/m
581	06/18/2013 11:38:31 AM	0.3984 V/m	0.3725 V/m	0.3507 V/m
582	06/18/2013 11:38:41 AM	0.3907 V/m	0.3724 V/m	0.3546 V/m
583	06/18/2013 11:38:51 AM	0.4192 V/m	0.3892 V/m	0.3484 V/m
584	06/18/2013 11:39:01 AM	0.4052 V/m	0.3733 V/m	0.3428 V/m
585	06/18/2013 11:39:11 AM	0.3865 V/m	0.3646 V/m	0.3412 V/m
586	06/18/2013 11:39:21 AM	0.4120 V/m	0.3850 V/m	0.3531 V/m
587	06/18/2013 11:39:31 AM	0.4025 V/m	0.3813 V/m	0.3468 V/m
588	06/18/2013 11:39:41 AM	0.4059 V/m	0.3831 V/m	0.3523 V/m
589	06/18/2013 11:39:51 AM	0.3984 V/m	0.3804 V/m	0.3468 V/m
590	06/18/2013 11:40:01 AM	0.3963 V/m	0.3797 V/m	0.3608 V/m
591	06/18/2013 11:40:11 AM	0.4032 V/m	0.3793 V/m	0.3562 V/m
592	06/18/2013 11:40:21 AM	0.4039 V/m	0.3802 V/m	0.3570 V/m
593	06/18/2013 11:40:31 AM	0.3956 V/m	0.3772 V/m	0.3562 V/m
594	06/18/2013 11:40:41 AM	0.3949 V/m	0.3749 V/m	0.3500 V/m
595	06/18/2013 11:40:51 AM	0.3900 V/m	0.3561 V/m	0.3289 V/m
596	06/18/2013 11:41:01 AM	0.3779 V/m	0.3578 V/m	0.3372 V/m
597	06/18/2013 11:41:11 AM	0.3815 V/m	0.3589 V/m	0.3388 V/m
598	06/18/2013 11:41:21 AM	0.3713 V/m	0.3564 V/m	0.3388 V/m
599	06/18/2013 11:41:31 AM	0.3929 V/m	0.3667 V/m	0.3492 V/m
600	06/18/2013 11:41:41 AM	0.3970 V/m	0.3667 V/m	0.3500 V/m
601	06/18/2013 11:41:51 AM	0.3757 V/m	0.3546 V/m	0.3339 V/m
602	06/18/2013 11:42:01 AM	0.4641 V/m	0.3623 V/m	0.3396 V/m
603	06/18/2013 11:42:11 AM	0.3735 V/m	0.3546 V/m	0.3264 V/m
604	06/18/2013 11:42:21 AM	0.3893 V/m	0.3635 V/m	0.3412 V/m
605	06/18/2013 11:42:31 AM	0.4133 V/m	0.3789 V/m	0.3539 V/m
606	06/18/2013 11:42:41 AM	0.3800 V/m	0.3606 V/m	0.3396 V/m
607	06/18/2013 11:42:51 AM	0.4018 V/m	0.3607 V/m	0.3256 V/m
608	06/18/2013 11:43:01 AM	0.4079 V/m	0.3704 V/m	0.3372 V/m
609	06/18/2013 11:43:11 AM	0.3929 V/m	0.3650 V/m	0.3412 V/m
610	06/18/2013 11:43:21 AM	0.4073 V/m	0.3735 V/m	0.3507 V/m
611	06/18/2013 11:43:31 AM	0.3844 V/m	0.3674 V/m	0.3468 V/m
612	06/18/2013 11:43:41 AM	0.3872 V/m	0.3578 V/m	0.3314 V/m
613	06/18/2013 11:43:51 AM	0.4046 V/m	0.3737 V/m	0.3444 V/m
614	06/18/2013 11:44:01 AM	0.3815 V/m	0.3672 V/m	0.3546 V/m
615	06/18/2013 11:44:11 AM	0.3950 V/m	0.3782 V/m	0.3523 V/m
616	06/18/2013 11:44:21 AM	0.3907 V/m	0.3768 V/m	0.3630 V/m
617	06/18/2013 11:44:31 AM	0.3991 V/m	0.3746 V/m	0.3569 V/m
618	06/18/2013 11:44:41 AM	0.3851 V/m	0.3668 V/m	0.3420 V/m
619	06/18/2013 11:44:51 AM	0.3942 V/m	0.3685 V/m	0.3444 V/m
620	06/18/2013 11:45:01 AM	0.3928 V/m	0.3707 V/m	0.3507 V/m
621	06/18/2013 11:45:11 AM	0.3914 V/m	0.3689 V/m	0.3554 V/m
622	06/18/2013 11:45:21 AM	0.4126 V/m	0.3838 V/m	0.3523 V/m
623	06/18/2013 11:45:31 AM	0.4086 V/m	0.3779 V/m	0.3600 V/m
624	06/18/2013 11:45:41 AM	0.4212 V/m	0.4013 V/m	0.3808 V/m

625	06/18/2013 11:45:51 AM	0.4290 V/m	0.4002 V/m	0.3661 V/m
626	06/18/2013 11:46:01 AM	0.4277 V/m	0.4084 V/m	0.3735 V/m
627	06/18/2013 11:46:11 AM	0.4218 V/m	0.4000 V/m	0.3801 V/m
628	06/18/2013 11:46:21 AM	0.4205 V/m	0.3958 V/m	0.3661 V/m
629	06/18/2013 11:46:31 AM	0.4232 V/m	0.3982 V/m	0.3742 V/m
630	06/18/2013 11:46:41 AM	0.4277 V/m	0.3971 V/m	0.3705 V/m
631	06/18/2013 11:46:51 AM	0.4270 V/m	0.3977 V/m	0.3764 V/m
632	06/18/2013 11:47:01 AM	0.4113 V/m	0.3897 V/m	0.3507 V/m
633	06/18/2013 11:47:11 AM	0.3977 V/m	0.3725 V/m	0.3507 V/m
634	06/18/2013 11:47:21 AM	0.3942 V/m	0.3692 V/m	0.3507 V/m
635	06/18/2013 11:47:31 AM	0.3893 V/m	0.3734 V/m	0.3554 V/m
636	06/18/2013 11:47:41 AM	0.3900 V/m	0.3731 V/m	0.3569 V/m
637	06/18/2013 11:47:51 AM	0.4059 V/m	0.3764 V/m	0.3396 V/m
638	06/18/2013 11:48:01 AM	0.4066 V/m	0.3756 V/m	0.3554 V/m
639	06/18/2013 11:48:11 AM	0.4676 V/m	0.3824 V/m	0.3523 V/m
640	06/18/2013 11:48:21 AM	0.4734 V/m	0.3819 V/m	0.3585 V/m
641	06/18/2013 11:48:31 AM	0.3836 V/m	0.3711 V/m	0.3515 V/m
642	06/18/2013 11:48:41 AM	0.3858 V/m	0.3682 V/m	0.3460 V/m
643	06/18/2013 11:48:51 AM	0.4166 V/m	0.3755 V/m	0.3499 V/m
644	06/18/2013 11:49:01 AM	0.4688 V/m	0.3927 V/m	0.3577 V/m
645	06/18/2013 11:49:11 AM	0.4599 V/m	0.3733 V/m	0.3372 V/m
646	06/18/2013 11:49:21 AM	0.3984 V/m	0.3670 V/m	0.3322 V/m
647	06/18/2013 11:49:31 AM	0.3851 V/m	0.3629 V/m	0.3444 V/m
648	06/18/2013 11:49:41 AM	0.3757 V/m	0.3610 V/m	0.3436 V/m
649	06/18/2013 11:49:51 AM	0.3879 V/m	0.3610 V/m	0.3355 V/m
650	06/18/2013 11:50:01 AM	0.3786 V/m	0.3582 V/m	0.3388 V/m
651	06/18/2013 11:50:11 AM	0.4391 V/m	0.3874 V/m	0.3363 V/m
652	06/18/2013 11:50:21 AM	0.4302 V/m	0.3913 V/m	0.3460 V/m
653	06/18/2013 11:50:31 AM	0.3808 V/m	0.3611 V/m	0.3460 V/m
654	06/18/2013 11:50:41 AM	0.3865 V/m	0.3594 V/m	0.3396 V/m
655	06/18/2013 11:50:51 AM	0.3786 V/m	0.3613 V/m	0.3404 V/m
656	06/18/2013 11:51:01 AM	0.3900 V/m	0.3667 V/m	0.3436 V/m
657	06/18/2013 11:51:11 AM	0.3822 V/m	0.3606 V/m	0.3380 V/m
658	06/18/2013 11:51:21 AM	0.3705 V/m	0.3552 V/m	0.3388 V/m
659	06/18/2013 11:51:31 AM	0.3676 V/m	0.3502 V/m	0.3322 V/m
660	06/18/2013 11:51:41 AM	0.3742 V/m	0.3582 V/m	0.3420 V/m
661	06/18/2013 11:51:51 AM	0.4302 V/m	0.3612 V/m	0.3363 V/m
662	06/18/2013 11:52:01 AM	0.4508 V/m	0.3721 V/m	0.3531 V/m
663	06/18/2013 11:52:11 AM	0.4315 V/m	0.3710 V/m	0.3468 V/m
664	06/18/2013 11:52:21 AM	0.3858 V/m	0.3720 V/m	0.3554 V/m
665	06/18/2013 11:52:31 AM	0.3879 V/m	0.3711 V/m	0.3546 V/m
666	06/18/2013 11:52:41 AM	0.3928 V/m	0.3758 V/m	0.3608 V/m
667	06/18/2013 11:52:51 AM	0.3956 V/m	0.3732 V/m	0.3500 V/m
668	06/18/2013 11:53:01 AM	0.3963 V/m	0.3763 V/m	0.3585 V/m
669	06/18/2013 11:53:11 AM	0.4502 V/m	0.3800 V/m	0.3507 V/m
670	06/18/2013 11:53:21 AM	0.3984 V/m	0.3736 V/m	0.3531 V/m
671	06/18/2013 11:53:31 AM	0.3984 V/m	0.3723 V/m	0.3523 V/m
672	06/18/2013 11:53:41 AM	0.3872 V/m	0.3666 V/m	0.3460 V/m
673	06/18/2013 11:53:51 AM	0.3771 V/m	0.3624 V/m	0.3476 V/m
674	06/18/2013 11:54:01 AM	0.3865 V/m	0.3681 V/m	0.3484 V/m
675	06/18/2013 11:54:11 AM	0.4459 V/m	0.3919 V/m	0.3444 V/m
676	06/18/2013 11:54:21 AM	0.3829 V/m	0.3679 V/m	0.3420 V/m
677	06/18/2013 11:54:31 AM	0.3949 V/m	0.3617 V/m	0.3388 V/m
678	06/18/2013 11:54:41 AM	0.3757 V/m	0.3602 V/m	0.3380 V/m
679	06/18/2013 11:54:51 AM	0.3815 V/m	0.3571 V/m	0.3372 V/m
680	06/18/2013 11:55:01 AM	0.3822 V/m	0.3591 V/m	0.3396 V/m
681	06/18/2013 11:55:11 AM	0.4391 V/m	0.3743 V/m	0.3444 V/m
682	06/18/2013 11:55:21 AM	0.3991 V/m	0.3626 V/m	0.3355 V/m
683	06/18/2013 11:55:31 AM	0.3801 V/m	0.3599 V/m	0.3372 V/m
684	06/18/2013 11:55:41 AM	0.3851 V/m	0.3661 V/m	0.3452 V/m
685	06/18/2013 11:55:51 AM	0.3893 V/m	0.3709 V/m	0.3515 V/m
686	06/18/2013 11:56:01 AM	0.3949 V/m	0.3782 V/m	0.3615 V/m
687	06/18/2013 11:56:11 AM	0.4682 V/m	0.3743 V/m	0.3468 V/m

688	06/18/2013 11:56:21 AM	0.3865 V/m	0.3655 V/m	0.3355 V/m
689	06/18/2013 11:56:31 AM	0.4277 V/m	0.3645 V/m	0.3347 V/m
690	06/18/2013 11:56:41 AM	0.4593 V/m	0.3732 V/m	0.3396 V/m
691	06/18/2013 11:56:51 AM	0.4066 V/m	0.3625 V/m	0.3372 V/m
692	06/18/2013 11:57:01 AM	0.3963 V/m	0.3715 V/m	0.3523 V/m
693	06/18/2013 11:57:11 AM	0.4526 V/m	0.3729 V/m	0.3554 V/m
694	06/18/2013 11:57:21 AM	0.3698 V/m	0.3549 V/m	0.3331 V/m
695	06/18/2013 11:57:31 AM	0.3631 V/m	0.3463 V/m	0.3289 V/m
696	06/18/2013 11:57:41 AM	0.3646 V/m	0.3477 V/m	0.3331 V/m
697	06/18/2013 11:57:51 AM	0.3757 V/m	0.3567 V/m	0.3314 V/m
698	06/18/2013 11:58:01 AM	0.3764 V/m	0.3576 V/m	0.3396 V/m
699	06/18/2013 11:58:11 AM	0.3844 V/m	0.3655 V/m	0.3444 V/m
700	06/18/2013 11:58:21 AM	0.4490 V/m	0.3704 V/m	0.3468 V/m
701	06/18/2013 11:58:31 AM	0.3836 V/m	0.3690 V/m	0.3554 V/m
702	06/18/2013 11:58:41 AM	0.3829 V/m	0.3614 V/m	0.3322 V/m
703	06/18/2013 11:58:51 AM	0.3786 V/m	0.3640 V/m	0.3420 V/m
704	06/18/2013 11:59:01 AM	0.3844 V/m	0.3651 V/m	0.3460 V/m
705	06/18/2013 11:59:11 AM	0.3829 V/m	0.3678 V/m	0.3420 V/m
706	06/18/2013 11:59:21 AM	0.4508 V/m	0.3706 V/m	0.3468 V/m
707	06/18/2013 11:59:31 AM	0.3764 V/m	0.3548 V/m	0.3363 V/m
708	06/18/2013 11:59:41 AM	0.3757 V/m	0.3575 V/m	0.3364 V/m
709	06/18/2013 11:59:51 AM	0.3907 V/m	0.3656 V/m	0.3428 V/m
710	06/18/2013 12:00:01 PM	0.3872 V/m	0.3618 V/m	0.3388 V/m
711	06/18/2013 12:00:11 PM	0.3956 V/m	0.3652 V/m	0.3476 V/m
712	06/18/2013 12:00:21 PM	0.4359 V/m	0.3654 V/m	0.3347 V/m
713	06/18/2013 12:00:31 PM	0.3879 V/m	0.3644 V/m	0.3444 V/m
714	06/18/2013 12:00:41 PM	0.3942 V/m	0.3637 V/m	0.3380 V/m
715	06/18/2013 12:00:51 PM	0.3800 V/m	0.3632 V/m	0.3484 V/m
716	06/18/2013 12:01:01 PM	0.4231 V/m	0.3700 V/m	0.3322 V/m
717	06/18/2013 12:01:11 PM	0.4397 V/m	0.3887 V/m	0.3562 V/m
718	06/18/2013 12:01:21 PM	0.3844 V/m	0.3560 V/m	0.3355 V/m
719	06/18/2013 12:01:31 PM	0.3991 V/m	0.3744 V/m	0.3476 V/m
720	06/18/2013 12:01:41 PM	0.4106 V/m	0.3844 V/m	0.3661 V/m

Graph


Marker: 11:11:11 AM
Limit: 7.000 V/m
Max: 0.3646 V/m
Avg: 0.3377 V/m
Min: 0.3179 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:01:41 AM
600s / Division
Period: 02:00:00
12:01:41 PM
06/18/2013

Parameters

Number of Sub Indices	720
Storing Date	06/18/2013
Storing Time	10:01:41 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	NORMAL
Device Product Name	NBM-550
Device Serial Number	B-0507
Device Cal Due Date	12/10/2012
Probe Product Name	EF0391
Probe Serial Number	A-0636
Probe Cal Due Date	12/13/2012
Probe Field Type	E
Probe Connection Type	A
Probe Lower Frequency Limit A	100 kHz
Probe Upper Frequency Limit A	3 GHz
Probe Lower Frequency Limit B	100 kHz
Probe Upper Frequency Limit B	3 GHz
Probe Emin A	185.0 mV/m
Probe Emax A	300.0 V/m
Probe Emin B	185.0 mV/m
Probe Emax B	300.0 V/m
Shaped Probe	NO
Standard ID	1
Standard Name	FCC 1997 Occupational
Apply Standard	OFF
Frequency	100 kHz
Apply Correction Frequency	OFF
Eref_E(f)	614.0 V/m
Eref_H(f)	614.5 V/m
Combi Probe Use	E_H
Unit	V/m
Results Format	FIXED
Auto-Zero Interval	OFF
Result Type	-
Averaging Time	-
Average Progress	-
Spatial AVG Mode	-
Store Condition	-
Storing Range	-
Cond. Stop Time	-
Upper Threshold	-
Lower Threshold	-
Timer Interval	10 sec
Timer Duration	02:00:00
History Time Scale	-
Time progress of current segment	-

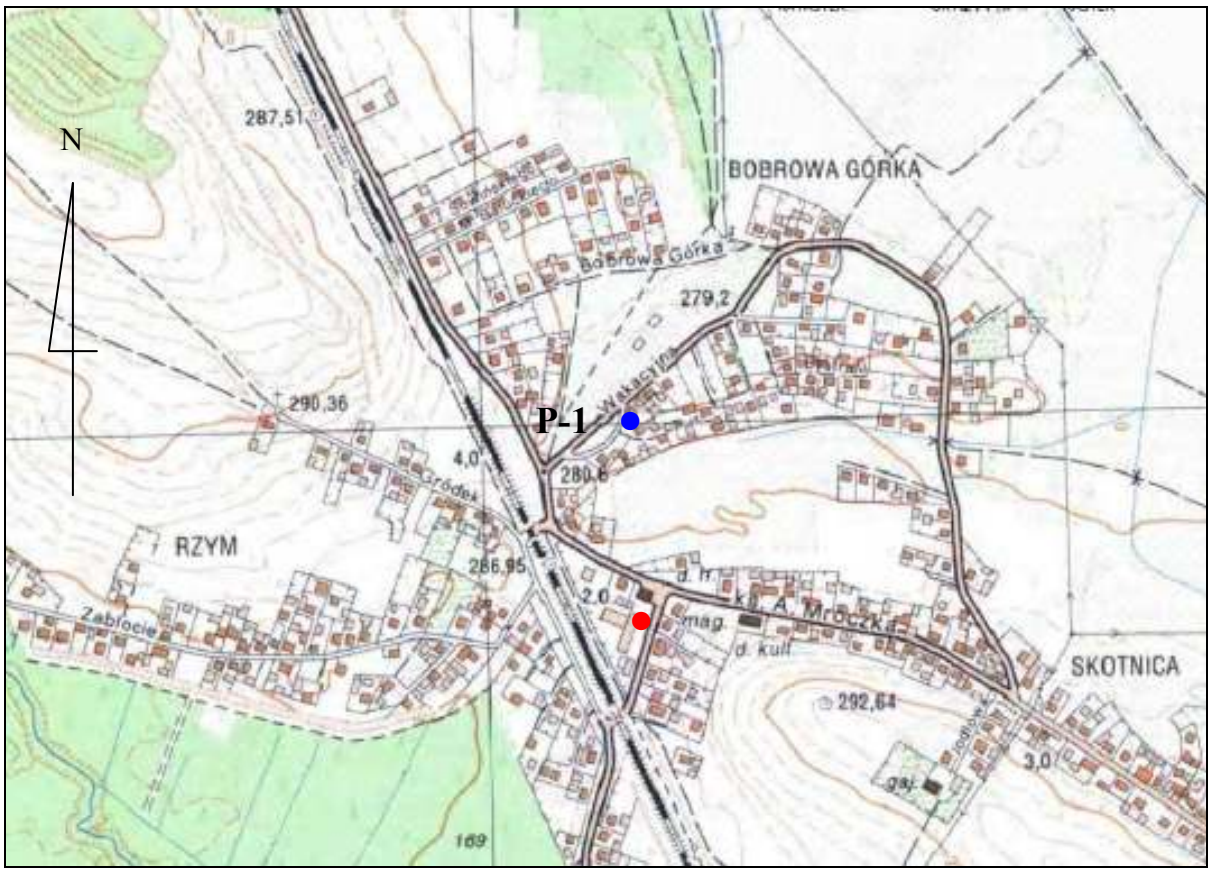
FOTOGRAFIE REJONU BADAŃ:

Fot. 1. Rejon badań, widok w kierunku południowo-zachodnim

Fot. 2. Rejon badań, widok w kierunku północnym

Fot. 3. Rejon badań, widok w kierunku południowym

Fot. 4. Przyrząd pomiarowy w trakcie prowadzonego badania



JAWORZNO

Oznaczenia:

- P-1 – punkt pomiarowy poziomów pól elektromagnetycznych w środowisku;
- – lokalizacja instalacji radiokomunikacyjnych.

Ryc. Szkic sytuacyjny rejonu badań.