



Wojewódzki Inspektorat Ochrony Środowiska w Katowicach
Pracownia Analiz Manualnych, Instrumentalnych, Hydrobiologicznych
oraz Pomiarów Terenowych i Pobierania Próbek



Adres:
Delegatura WIOŚ w Częstochowie
ul. Rząsawska 24/28
42-200 Częstochowa

tel.: (34) 369-41-20
fax.: (34) 360-42-80
e-mail: czestochowa@katowice.pios.gov.pl



SPRAWOZDANIE Z BADAŃ NR 1748/2015

Nr sprawy: LC.7071.51.2015
Porozumienie Nr: 1/2012

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 31 lipca 2015 r.
na terenie zabudowy mieszkaniowej,
w CZĘSTOCHOWIE
- Dzielnica Bleszno,
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. Agnieszka Turek – Specjalista	2. Wojciech Klama – Specjalista
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Osoba autoryzująca sprawozdanie:

Tomasz Danecki – Główny specjalista

Pieczęć i podpis

Zatwierdził:

Pieczęć i podpis

Częstochowa, 23.12.2015

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 Umowa 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 wielorodzinnej, położonej w Dzielnicy Błeszno, w Częstochowie, w rozumieniu wytycznych Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. (Dz. U. Nr 221, Poz. 1645), w ramach programu Państwowego Monitoringu Środowiska, 2015 r.

3. TEREN BADAŃ

Punkt pomiarowy P-2 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Częstochowa, dzielnica Błeszno, przy ul. 11-go listopada. Zgodnie z obowiązującym Rozporządzeniem wysokość posadowienia sondy pomiarowej wyniosła h: 2 m n.p.t. W sąsiedztwie punktu pomiarowego zagospodarowanie terenu stanowi wielokondygnacyjna zabudowa mieszkaniowa wielorodzinna, dwukondygnacyjny budynek przedszkola, plac zabaw dla dzieci oraz parkingi osiedlowe. Najbliższy obiekt budowlany – nowopowstały pięciokondygnacyjny blok mieszkalny TBS, przy ul. Wierzbowej, znajduje się w kierunku wschodnim w odległości 29 m od punktu pomiarowego.

W promieniu $d \leq 300$ m od punktu pomiarowego nie znajdują się żadne instalacje radiokomunikacyjne, radiolokacyjne, radionawigacyjne, emitujące pola elektromagnetyczne do środowiska.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

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

Nomenklatura jednostki terytorialnej (NTS):

Częstochowa 5.2.24.46.64.01.1

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

N 50°46'41,3"

E 19°08'23.1";

Wysokość lokalizacji punktu pomiarowego:

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

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

$l = 29 [m]$ - od elewacji nowopowstałego budynku mieszkalnego wielorodzinnego TBS przy ul. Wierzbowej

Lokalizacja punktu pomiarowego – trawnik w pobliżu bloku mieszkalnego ul. 11 Listopada 28.

4. METODYKA BADAŃ

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).

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

Pomiary poziomów pól elektromagnetycznych częstotliwości 100 kHz – 3 GHz (składowej elektrycznej) w środowisku		Pomiary warunków meteorologicznych w środowisku	
Przyrząd pomiarowy	Typ: Broadband Field Meter NBM-550 P/N: 2401/01 S/N: B-0507 Producent: Narda Safety Test Solutions GmbH, Niemcy;	Przyrząd pomiarowy	Typ: MAWS – 201C S. no.: G131055 Producent: Vaisala, Finlandia
Sonda pomiarowa	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)		
Data i czasokres pomiarów	31-07-2015 r.	Wyniki pomiarów:	
	10:01:40–12:01:30	T [°C]	17,3 – 19,4
		RH [%]	43,5 – 48,0

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

- T – temperatura powietrza w [°C];
RH – wilgotność względna powietrza w [%].

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

- Narda Broadband Field Meter NBM-550, P/N 2401/01, S/N B-0507:
 - *Calibration Certificate No. NBM-550-B-0507-150610-1068*,
Narda STS GmbH, D-72793 Pfullingen, Germany, 2015-06-10;
- Probe EF0391, *E-Field*, P/N 2402/01, S/N A-0636:
 - *Calibration Certificate No. 240201-A0636-201506-00571*,
Narda STS GmbH, D-72793 Pfullingen, Germany, 2015-06-15;
- Automatyczna stacja meteorologiczna MAWS – 201C, Vaisala, Finlandia, s. no. G131055:

Świadczenia wzorcowania nr:

- 0537/AH/14 z dnia 08 kwietnia 2014 r. termohigrometr
- 0194/AC/14 z dnia 07 kwietnia 2014 r. barometr

wydane przez Laboratorium Pomiarowe „MUTECH” Tadeusz Mucha i Wspólnicy Sp. J. w Łowiczu (AP 106);

- 175/A/14 z dnia 11 kwietnia 2014 r. anemometr stacji meteo

wydane przez Laboratorium Wzorcujące Wentylacyjne Przyrządy Pomiarowe, Instytut Mechaniki Górotworu PAN w Krakowie (AP 118).

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)

Nie dotyczy. W promieniu $d \leq 300$ m od P-2, nie są zlokalizowane żadne instalacje radiokomunikacyjne, radiolokacyjne, radionawigacyjne, emitujące pola elektromagnetyczne do środowiska.

7. WYNIKI BADAŃ

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

Tabela 2

Lp.	Punkt pomiarowy poziomów pól elektromagnetycznych w środowisku	Natężenie pola elektrycznego E **) [V/m]	Niepewność pomiaru U_{E 0,95} [V/m]
1.	P-2 ul. 11-go listopada Dzielnica - Bleszno Miasto – Częstochowa6	0,68	± 0,17

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 w Katowicach;

2. Fotografie rejonu badań, szt. 4.

3. Szkic sytuacyjny rejonu badań.

KONIEC SPRAWOZDANIA

Meter		Probe		
Model:	NBM-550	Model:	EF0391	
S/N:	B-0507	S/N:	A-0636	
Calibration Due Date	06.10.2017	Calibration Due Date	06.15.2017	

Site	Coordinates
P-2, ul. 11 listopada Dzielnica - Bleszno Miasto (powiat) - Częstochowa województwo - śląskie	Latitude: 50°46'41.3" N Longitude: 19°8'23.1" E

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 31.07.2015 r., Częstochowa, woj. śląskie; Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia max elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 2.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2015 rok

Timer: Start Time 10:01:30 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	07/31/2015 10:01:40 AM		0.6428 V/m	0.6041 V/m	0.5650 V/m
2	07/31/2015 10:01:50 AM		0.6308 V/m	0.6033 V/m	0.5775 V/m
3	07/31/2015 10:02:00 AM		0.6229 V/m	0.6009 V/m	0.5775 V/m
4	07/31/2015 10:02:10 AM		0.6828 V/m	0.6135 V/m	0.5537 V/m
5	07/31/2015 10:02:20 AM		0.6095 V/m	0.5878 V/m	0.5562 V/m
6	07/31/2015 10:02:30 AM		0.6454 V/m	0.6066 V/m	0.5808 V/m
7	07/31/2015 10:02:40 AM		0.6585 V/m	0.5983 V/m	0.5770 V/m
8	07/31/2015 10:02:50 AM		0.6290 V/m	0.6004 V/m	0.5765 V/m
9	07/31/2015 10:03:00 AM		0.6198 V/m	0.6004 V/m	0.5813 V/m
10	07/31/2015 10:03:10 AM		0.6180 V/m	0.6044 V/m	0.5860 V/m
11	07/31/2015 10:03:20 AM		0.6321 V/m	0.6074 V/m	0.5907 V/m
12	07/31/2015 10:03:30 AM		0.6215 V/m	0.6001 V/m	0.5813 V/m
13	07/31/2015 10:03:40 AM		0.6501 V/m	0.6012 V/m	0.5742 V/m
14	07/31/2015 10:03:50 AM		0.6827 V/m	0.6280 V/m	0.5542 V/m
15	07/31/2015 10:04:00 AM		0.7208 V/m	0.6823 V/m	0.6450 V/m
16	07/31/2015 10:04:10 AM		0.7181 V/m	0.6919 V/m	0.6680 V/m
17	07/31/2015 10:04:20 AM		0.7329 V/m	0.6706 V/m	0.6377 V/m
18	07/31/2015 10:04:30 AM		0.7057 V/m	0.6767 V/m	0.6589 V/m
19	07/31/2015 10:04:40 AM		0.7295 V/m	0.6728 V/m	0.6420 V/m
20	07/31/2015 10:04:50 AM		0.7340 V/m	0.6886 V/m	0.6643 V/m
21	07/31/2015 10:05:00 AM		0.7131 V/m	0.6897 V/m	0.6622 V/m
22	07/31/2015 10:05:10 AM		0.7330 V/m	0.6943 V/m	0.6643 V/m
23	07/31/2015 10:05:20 AM		0.7348 V/m	0.7035 V/m	0.6734 V/m
24	07/31/2015 10:05:30 AM		0.7291 V/m	0.6648 V/m	0.6158 V/m
25	07/31/2015 10:05:40 AM		0.7521 V/m	0.7052 V/m	0.6539 V/m
26	07/31/2015 10:05:50 AM		0.7317 V/m	0.7011 V/m	0.6717 V/m
27	07/31/2015 10:06:00 AM		0.7092 V/m	0.6852 V/m	0.6606 V/m
28	07/31/2015 10:06:10 AM		0.6923 V/m	0.6605 V/m	0.6316 V/m
29	07/31/2015 10:06:20 AM		0.6807 V/m	0.6621 V/m	0.6394 V/m
30	07/31/2015 10:06:30 AM		0.7084 V/m	0.6706 V/m	0.6398 V/m
31	07/31/2015 10:06:40 AM		0.7139 V/m	0.6787 V/m	0.6505 V/m
32	07/31/2015 10:06:50 AM		0.6863 V/m	0.6682 V/m	0.6450 V/m
33	07/31/2015 10:07:00 AM		0.6855 V/m	0.6648 V/m	0.6360 V/m
34	07/31/2015 10:07:10 AM		0.7049 V/m	0.6743 V/m	0.6535 V/m
35	07/31/2015 10:07:20 AM		0.6855 V/m	0.6660 V/m	0.6356 V/m
36	07/31/2015 10:07:30 AM		0.7219 V/m	0.6909 V/m	0.6618 V/m
37	07/31/2015 10:07:40 AM		0.7018 V/m	0.6715 V/m	0.6373 V/m
38	07/31/2015 10:07:50 AM		0.7123 V/m	0.6833 V/m	0.6471 V/m
39	07/31/2015 10:08:00 AM		0.7138 V/m	0.6704 V/m	0.6386 V/m
40	07/31/2015 10:08:10 AM		0.7203 V/m	0.6837 V/m	0.6493 V/m
41	07/31/2015 10:08:20 AM		0.7169 V/m	0.6738 V/m	0.6446 V/m
42	07/31/2015 10:08:30 AM		0.6994 V/m	0.6658 V/m	0.6395 V/m
43	07/31/2015 10:08:40 AM		0.6943 V/m	0.6594 V/m	0.6342 V/m
44	07/31/2015 10:08:50 AM		0.7042 V/m	0.6594 V/m	0.6299 V/m
45	07/31/2015 10:09:00 AM		0.6883 V/m	0.6668 V/m	0.6467 V/m
46	07/31/2015 10:09:10 AM		0.7173 V/m	0.6678 V/m	0.6360 V/m
47	07/31/2015 10:09:20 AM		0.6907 V/m	0.6650 V/m	0.6360 V/m
48	07/31/2015 10:09:30 AM		0.7108 V/m	0.6805 V/m	0.6526 V/m
49	07/31/2015 10:09:40 AM		0.7088 V/m	0.6784 V/m	0.6471 V/m
50	07/31/2015 10:09:50 AM		0.7061 V/m	0.6644 V/m	0.6377 V/m
51	07/31/2015 10:10:00 AM		0.7347 V/m	0.6753 V/m	0.6424 V/m
52	07/31/2015 10:10:10 AM		0.6943 V/m	0.6676 V/m	0.6450 V/m
53	07/31/2015 10:10:20 AM		0.7227 V/m	0.6827 V/m	0.6556 V/m
54	07/31/2015 10:10:30 AM		0.7158 V/m	0.6779 V/m	0.6488 V/m



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55	07/31/2015 10:10:40 AM	0.7002 V/m	0.6767 V/m	0.6484 V/m
56	07/31/2015 10:10:50 AM	0.7115 V/m	0.6648 V/m	0.6264 V/m
57	07/31/2015 10:11:00 AM	0.6987 V/m	0.6673 V/m	0.6360 V/m
58	07/31/2015 10:11:10 AM	0.7080 V/m	0.6750 V/m	0.6446 V/m
59	07/31/2015 10:11:20 AM	0.7045 V/m	0.6675 V/m	0.6381 V/m
60	07/31/2015 10:11:30 AM	0.7068 V/m	0.6703 V/m	0.6308 V/m
61	07/31/2015 10:11:40 AM	0.7196 V/m	0.6759 V/m	0.6373 V/m
62	07/31/2015 10:11:50 AM	0.6851 V/m	0.6587 V/m	0.6321 V/m
63	07/31/2015 10:12:00 AM	0.7041 V/m	0.6696 V/m	0.6268 V/m
64	07/31/2015 10:12:10 AM	0.7053 V/m	0.6713 V/m	0.6390 V/m
65	07/31/2015 10:12:20 AM	0.7061 V/m	0.6801 V/m	0.6467 V/m
66	07/31/2015 10:12:30 AM	0.7065 V/m	0.6823 V/m	0.6501 V/m
67	07/31/2015 10:12:40 AM	0.7021 V/m	0.6758 V/m	0.6373 V/m
68	07/31/2015 10:12:50 AM	0.6999 V/m	0.6605 V/m	0.6179 V/m
69	07/31/2015 10:13:00 AM	0.7060 V/m	0.6709 V/m	0.6099 V/m
70	07/31/2015 10:13:10 AM	0.6862 V/m	0.6489 V/m	0.6193 V/m
71	07/31/2015 10:13:20 AM	0.6874 V/m	0.6498 V/m	0.6272 V/m
72	07/31/2015 10:13:30 AM	0.6864 V/m	0.6583 V/m	0.6224 V/m
73	07/31/2015 10:13:40 AM	0.6827 V/m	0.6516 V/m	0.6131 V/m
74	07/31/2015 10:13:50 AM	0.7033 V/m	0.6704 V/m	0.6211 V/m
75	07/31/2015 10:14:00 AM	0.6851 V/m	0.6590 V/m	0.6312 V/m
76	07/31/2015 10:14:10 AM	0.7077 V/m	0.6608 V/m	0.6246 V/m
77	07/31/2015 10:14:20 AM	0.6951 V/m	0.6512 V/m	0.6207 V/m
78	07/31/2015 10:14:30 AM	0.7245 V/m	0.6652 V/m	0.6112 V/m
79	07/31/2015 10:14:40 AM	0.7061 V/m	0.6578 V/m	0.5556 V/m
80	07/31/2015 10:14:50 AM	0.7123 V/m	0.6877 V/m	0.6618 V/m
81	07/31/2015 10:15:00 AM	0.7459 V/m	0.6908 V/m	0.6606 V/m
82	07/31/2015 10:15:10 AM	0.7119 V/m	0.6835 V/m	0.6564 V/m
83	07/31/2015 10:15:20 AM	0.7127 V/m	0.6810 V/m	0.6610 V/m
84	07/31/2015 10:15:30 AM	0.7238 V/m	0.7020 V/m	0.6721 V/m
85	07/31/2015 10:15:40 AM	0.7143 V/m	0.6911 V/m	0.6705 V/m
86	07/31/2015 10:15:50 AM	0.7389 V/m	0.7039 V/m	0.6799 V/m
87	07/31/2015 10:16:00 AM	0.6978 V/m	0.6772 V/m	0.6547 V/m
88	07/31/2015 10:16:10 AM	0.7219 V/m	0.6932 V/m	0.6693 V/m
89	07/31/2015 10:16:20 AM	0.7257 V/m	0.6894 V/m	0.6572 V/m
90	07/31/2015 10:16:30 AM	0.7049 V/m	0.6807 V/m	0.6543 V/m
91	07/31/2015 10:16:40 AM	0.6955 V/m	0.6793 V/m	0.6652 V/m
92	07/31/2015 10:16:50 AM	0.7196 V/m	0.6858 V/m	0.6564 V/m
93	07/31/2015 10:17:00 AM	0.7181 V/m	0.6879 V/m	0.6635 V/m
94	07/31/2015 10:17:10 AM	0.7212 V/m	0.6849 V/m	0.6564 V/m
95	07/31/2015 10:17:20 AM	0.7246 V/m	0.6831 V/m	0.6441 V/m
96	07/31/2015 10:17:30 AM	0.6895 V/m	0.6689 V/m	0.6505 V/m
97	07/31/2015 10:17:40 AM	0.7131 V/m	0.6824 V/m	0.6598 V/m
98	07/31/2015 10:17:50 AM	0.7139 V/m	0.6834 V/m	0.6552 V/m
99	07/31/2015 10:18:00 AM	0.7123 V/m	0.6850 V/m	0.6577 V/m
100	07/31/2015 10:18:10 AM	0.7558 V/m	0.7180 V/m	0.6911 V/m
101	07/31/2015 10:18:20 AM	0.7673 V/m	0.7147 V/m	0.6919 V/m
102	07/31/2015 10:18:30 AM	0.7521 V/m	0.7219 V/m	0.6891 V/m
103	07/31/2015 10:18:40 AM	0.7631 V/m	0.7379 V/m	0.7127 V/m
104	07/31/2015 10:18:50 AM	0.7802 V/m	0.7354 V/m	0.6855 V/m
105	07/31/2015 10:19:00 AM	0.7837 V/m	0.7308 V/m	0.6919 V/m
106	07/31/2015 10:19:10 AM	0.7466 V/m	0.7229 V/m	0.7021 V/m
107	07/31/2015 10:19:20 AM	0.7529 V/m	0.7047 V/m	0.6635 V/m
108	07/31/2015 10:19:30 AM	0.7310 V/m	0.6890 V/m	0.6568 V/m
109	07/31/2015 10:19:40 AM	0.7138 V/m	0.6856 V/m	0.6606 V/m
110	07/31/2015 10:19:50 AM	0.7173 V/m	0.6722 V/m	0.6488 V/m
111	07/31/2015 10:20:00 AM	0.7329 V/m	0.6926 V/m	0.6635 V/m
112	07/31/2015 10:20:10 AM	0.7444 V/m	0.7011 V/m	0.6689 V/m
113	07/31/2015 10:20:20 AM	0.7165 V/m	0.6898 V/m	0.6581 V/m
114	07/31/2015 10:20:30 AM	0.7061 V/m	0.6798 V/m	0.6610 V/m
115	07/31/2015 10:20:40 AM	0.7096 V/m	0.6863 V/m	0.6573 V/m
116	07/31/2015 10:20:50 AM	0.7329 V/m	0.6991 V/m	0.6581 V/m
117	07/31/2015 10:21:00 AM	0.7374 V/m	0.7060 V/m	0.6614 V/m



118	07/31/2015 10:21:10 AM	0.7540 V/m	0.7145 V/m	0.6851 V/m
119	07/31/2015 10:21:20 AM	0.7816 V/m	0.7397 V/m	0.6891 V/m
120	07/31/2015 10:21:30 AM	0.7670 V/m	0.7168 V/m	0.6758 V/m
121	07/31/2015 10:21:40 AM	0.7348 V/m	0.6994 V/m	0.6664 V/m
122	07/31/2015 10:21:50 AM	0.7452 V/m	0.7099 V/m	0.6787 V/m
123	07/31/2015 10:22:00 AM	0.7514 V/m	0.7019 V/m	0.6693 V/m
124	07/31/2015 10:22:10 AM	0.7404 V/m	0.6957 V/m	0.6701 V/m
125	07/31/2015 10:22:20 AM	0.7030 V/m	0.6837 V/m	0.6651 V/m
126	07/31/2015 10:22:30 AM	0.7522 V/m	0.7181 V/m	0.6867 V/m
127	07/31/2015 10:22:40 AM	0.7536 V/m	0.7204 V/m	0.6676 V/m
128	07/31/2015 10:22:50 AM	0.7392 V/m	0.7057 V/m	0.6651 V/m
129	07/31/2015 10:23:00 AM	0.7580 V/m	0.7110 V/m	0.6734 V/m
130	07/31/2015 10:23:10 AM	0.7238 V/m	0.6959 V/m	0.6643 V/m
131	07/31/2015 10:23:20 AM	0.7419 V/m	0.7098 V/m	0.6851 V/m
132	07/31/2015 10:23:30 AM	0.7307 V/m	0.6952 V/m	0.6705 V/m
133	07/31/2015 10:23:40 AM	0.7470 V/m	0.6992 V/m	0.6551 V/m
134	07/31/2015 10:23:50 AM	0.7038 V/m	0.6773 V/m	0.6573 V/m
135	07/31/2015 10:24:00 AM	0.7264 V/m	0.6808 V/m	0.6496 V/m
136	07/31/2015 10:24:10 AM	0.7080 V/m	0.6801 V/m	0.6471 V/m
137	07/31/2015 10:24:20 AM	0.7355 V/m	0.6897 V/m	0.6610 V/m
138	07/31/2015 10:24:30 AM	0.7265 V/m	0.6823 V/m	0.6564 V/m
139	07/31/2015 10:24:40 AM	0.7061 V/m	0.6786 V/m	0.6403 V/m
140	07/31/2015 10:24:50 AM	0.7227 V/m	0.6966 V/m	0.6610 V/m
141	07/31/2015 10:25:00 AM	0.7227 V/m	0.6990 V/m	0.6734 V/m
142	07/31/2015 10:25:10 AM	0.7157 V/m	0.6959 V/m	0.6614 V/m
143	07/31/2015 10:25:20 AM	0.7157 V/m	0.6741 V/m	0.6454 V/m
144	07/31/2015 10:25:30 AM	0.7018 V/m	0.6712 V/m	0.6359 V/m
145	07/31/2015 10:25:40 AM	0.7305 V/m	0.6869 V/m	0.6441 V/m
146	07/31/2015 10:25:50 AM	0.7314 V/m	0.6904 V/m	0.6564 V/m
147	07/31/2015 10:26:00 AM	0.7392 V/m	0.7070 V/m	0.6750 V/m
148	07/31/2015 10:26:10 AM	0.7565 V/m	0.7169 V/m	0.6867 V/m
149	07/31/2015 10:26:20 AM	0.7422 V/m	0.7095 V/m	0.6754 V/m
150	07/31/2015 10:26:30 AM	0.7041 V/m	0.6830 V/m	0.6556 V/m
151	07/31/2015 10:26:40 AM	0.7677 V/m	0.6872 V/m	0.6501 V/m
152	07/31/2015 10:26:50 AM	0.7392 V/m	0.7058 V/m	0.6627 V/m
153	07/31/2015 10:27:00 AM	0.7565 V/m	0.7332 V/m	0.7158 V/m
154	07/31/2015 10:27:10 AM	0.7514 V/m	0.7203 V/m	0.6955 V/m
155	07/31/2015 10:27:20 AM	0.7250 V/m	0.6965 V/m	0.6754 V/m
156	07/31/2015 10:27:30 AM	0.7250 V/m	0.7001 V/m	0.6831 V/m
157	07/31/2015 10:27:40 AM	0.7069 V/m	0.6840 V/m	0.6614 V/m
158	07/31/2015 10:27:50 AM	0.7452 V/m	0.7050 V/m	0.6693 V/m
159	07/31/2015 10:28:00 AM	0.7348 V/m	0.7128 V/m	0.6927 V/m
160	07/31/2015 10:28:10 AM	0.7496 V/m	0.7316 V/m	0.7158 V/m
161	07/31/2015 10:28:20 AM	0.7396 V/m	0.7170 V/m	0.6931 V/m
162	07/31/2015 10:28:30 AM	0.7536 V/m	0.7155 V/m	0.6847 V/m
163	07/31/2015 10:28:40 AM	0.7696 V/m	0.7042 V/m	0.6701 V/m
164	07/31/2015 10:28:50 AM	0.7295 V/m	0.6970 V/m	0.6730 V/m
165	07/31/2015 10:29:00 AM	0.7318 V/m	0.7098 V/m	0.6799 V/m
166	07/31/2015 10:29:10 AM	0.7547 V/m	0.7120 V/m	0.6843 V/m
167	07/31/2015 10:29:20 AM	0.7273 V/m	0.7020 V/m	0.6783 V/m
168	07/31/2015 10:29:30 AM	0.7314 V/m	0.7043 V/m	0.6771 V/m
169	07/31/2015 10:29:40 AM	0.7231 V/m	0.6998 V/m	0.6746 V/m
170	07/31/2015 10:29:50 AM	0.7069 V/m	0.6827 V/m	0.6552 V/m
171	07/31/2015 10:30:00 AM	0.7177 V/m	0.6786 V/m	0.6518 V/m
172	07/31/2015 10:30:10 AM	0.7238 V/m	0.6961 V/m	0.6622 V/m
173	07/31/2015 10:30:20 AM	0.7292 V/m	0.6899 V/m	0.6581 V/m
174	07/31/2015 10:30:30 AM	0.7307 V/m	0.6905 V/m	0.6606 V/m
175	07/31/2015 10:30:40 AM	0.7681 V/m	0.7180 V/m	0.6875 V/m
176	07/31/2015 10:30:50 AM	0.7784 V/m	0.7343 V/m	0.7065 V/m
177	07/31/2015 10:31:00 AM	0.7426 V/m	0.7181 V/m	0.6951 V/m
178	07/31/2015 10:31:10 AM	0.7359 V/m	0.7155 V/m	0.6746 V/m
179	07/31/2015 10:31:20 AM	0.7827 V/m	0.7336 V/m	0.6951 V/m
180	07/31/2015 10:31:30 AM	0.7448 V/m	0.7296 V/m	0.7088 V/m



181	07/31/2015 10:31:40 AM	0.7511 V/m	0.7308 V/m	0.7139 V/m
182	07/31/2015 10:31:50 AM	0.7471 V/m	0.7259 V/m	0.7053 V/m
183	07/31/2015 10:32:00 AM	0.7433 V/m	0.7018 V/m	0.6750 V/m
184	07/31/2015 10:32:10 AM	0.7253 V/m	0.6945 V/m	0.6734 V/m
185	07/31/2015 10:32:20 AM	0.7269 V/m	0.7011 V/m	0.6652 V/m
186	07/31/2015 10:32:30 AM	0.7166 V/m	0.6875 V/m	0.6573 V/m
187	07/31/2015 10:32:40 AM	0.7373 V/m	0.7107 V/m	0.6730 V/m
188	07/31/2015 10:32:50 AM	0.7340 V/m	0.7149 V/m	0.6912 V/m
189	07/31/2015 10:33:00 AM	0.7189 V/m	0.6944 V/m	0.6754 V/m
190	07/31/2015 10:33:10 AM	0.7355 V/m	0.7087 V/m	0.6876 V/m
191	07/31/2015 10:33:20 AM	0.7378 V/m	0.7140 V/m	0.6923 V/m
192	07/31/2015 10:33:30 AM	0.7713 V/m	0.7256 V/m	0.7026 V/m
193	07/31/2015 10:33:40 AM	0.7559 V/m	0.7252 V/m	0.6999 V/m
194	07/31/2015 10:33:50 AM	0.7522 V/m	0.7139 V/m	0.6887 V/m
195	07/31/2015 10:34:00 AM	0.7272 V/m	0.6969 V/m	0.6791 V/m
196	07/31/2015 10:34:10 AM	0.7411 V/m	0.6997 V/m	0.6701 V/m
197	07/31/2015 10:34:20 AM	0.7613 V/m	0.7108 V/m	0.6860 V/m
198	07/31/2015 10:34:30 AM	0.7370 V/m	0.7048 V/m	0.6730 V/m
199	07/31/2015 10:34:40 AM	0.7170 V/m	0.7006 V/m	0.6714 V/m
200	07/31/2015 10:34:50 AM	0.7393 V/m	0.7026 V/m	0.6606 V/m
201	07/31/2015 10:35:00 AM	0.7478 V/m	0.7239 V/m	0.6963 V/m
202	07/31/2015 10:35:10 AM	0.7382 V/m	0.7154 V/m	0.6844 V/m
203	07/31/2015 10:35:20 AM	0.7496 V/m	0.7120 V/m	0.6831 V/m
204	07/31/2015 10:35:30 AM	0.7142 V/m	0.6845 V/m	0.6593 V/m
205	07/31/2015 10:35:40 AM	0.7131 V/m	0.6891 V/m	0.6643 V/m
206	07/31/2015 10:35:50 AM	0.7347 V/m	0.6996 V/m	0.6791 V/m
207	07/31/2015 10:36:00 AM	0.7181 V/m	0.6889 V/m	0.6560 V/m
208	07/31/2015 10:36:10 AM	0.7287 V/m	0.7104 V/m	0.6593 V/m
209	07/31/2015 10:36:20 AM	0.7508 V/m	0.7129 V/m	0.6860 V/m
210	07/31/2015 10:36:30 AM	0.7400 V/m	0.7186 V/m	0.6936 V/m
211	07/31/2015 10:36:40 AM	0.7223 V/m	0.6874 V/m	0.4616 V/m
212	07/31/2015 10:36:50 AM	0.7838 V/m	0.7046 V/m	0.4860 V/m
213	07/31/2015 10:37:00 AM	0.7990 V/m	0.7707 V/m	0.7470 V/m
214	07/31/2015 10:37:10 AM	0.7890 V/m	0.7304 V/m	0.6255 V/m
215	07/31/2015 10:37:20 AM	0.7177 V/m	0.6898 V/m	0.6673 V/m
216	07/31/2015 10:37:30 AM	0.7525 V/m	0.7132 V/m	0.6799 V/m
217	07/31/2015 10:37:40 AM	0.7261 V/m	0.6952 V/m	0.6758 V/m
218	07/31/2015 10:37:50 AM	0.7119 V/m	0.6899 V/m	0.6734 V/m
219	07/31/2015 10:38:00 AM	0.7280 V/m	0.6983 V/m	0.6618 V/m
220	07/31/2015 10:38:10 AM	0.7392 V/m	0.6956 V/m	0.6705 V/m
221	07/31/2015 10:38:20 AM	0.7848 V/m	0.7137 V/m	0.6602 V/m
222	07/31/2015 10:38:30 AM	0.7385 V/m	0.7187 V/m	0.7030 V/m
223	07/31/2015 10:38:40 AM	0.7681 V/m	0.7344 V/m	0.7014 V/m
224	07/31/2015 10:38:50 AM	0.7598 V/m	0.7387 V/m	0.7276 V/m
225	07/31/2015 10:39:00 AM	0.7555 V/m	0.7311 V/m	0.7104 V/m
226	07/31/2015 10:39:10 AM	0.7623 V/m	0.7071 V/m	0.6783 V/m
227	07/31/2015 10:39:20 AM	0.7678 V/m	0.7165 V/m	0.6823 V/m
228	07/31/2015 10:39:30 AM	0.7246 V/m	0.7068 V/m	0.6754 V/m
229	07/31/2015 10:39:40 AM	0.7467 V/m	0.7144 V/m	0.6787 V/m
230	07/31/2015 10:39:50 AM	0.7314 V/m	0.7127 V/m	0.6911 V/m
231	07/31/2015 10:40:00 AM	0.7482 V/m	0.7090 V/m	0.6759 V/m
232	07/31/2015 10:40:10 AM	0.7119 V/m	0.6814 V/m	0.6399 V/m
233	07/31/2015 10:40:20 AM	0.7150 V/m	0.6774 V/m	0.6429 V/m
234	07/31/2015 10:40:30 AM	0.7329 V/m	0.6822 V/m	0.6463 V/m
235	07/31/2015 10:40:40 AM	0.7014 V/m	0.6722 V/m	0.6484 V/m
236	07/31/2015 10:40:50 AM	0.7112 V/m	0.6802 V/m	0.6471 V/m
237	07/31/2015 10:41:00 AM	0.7522 V/m	0.6917 V/m	0.6543 V/m
238	07/31/2015 10:41:10 AM	0.7681 V/m	0.6959 V/m	0.6681 V/m
239	07/31/2015 10:41:20 AM	0.7459 V/m	0.6859 V/m	0.6416 V/m
240	07/31/2015 10:41:30 AM	0.7227 V/m	0.6949 V/m	0.6664 V/m
241	07/31/2015 10:41:40 AM	0.7645 V/m	0.7108 V/m	0.6779 V/m
242	07/31/2015 10:41:50 AM	0.7914 V/m	0.7340 V/m	0.6864 V/m
243	07/31/2015 10:42:00 AM	0.7735 V/m	0.7166 V/m	0.6676 V/m



244	07/31/2015 10:42:10 AM	0.7348 V/m	0.7026 V/m	0.6742 V/m
245	07/31/2015 10:42:20 AM	0.7423 V/m	0.7088 V/m	0.6746 V/m
246	07/31/2015 10:42:30 AM	0.7688 V/m	0.7209 V/m	0.6916 V/m
247	07/31/2015 10:42:40 AM	0.7463 V/m	0.7064 V/m	0.6689 V/m
248	07/31/2015 10:42:50 AM	0.7337 V/m	0.6989 V/m	0.6598 V/m
249	07/31/2015 10:43:00 AM	0.7291 V/m	0.6947 V/m	0.6652 V/m
250	07/31/2015 10:43:10 AM	0.7193 V/m	0.6878 V/m	0.6437 V/m
251	07/31/2015 10:43:20 AM	0.7374 V/m	0.6996 V/m	0.6585 V/m
252	07/31/2015 10:43:30 AM	0.7053 V/m	0.6879 V/m	0.6627 V/m
253	07/31/2015 10:43:40 AM	0.7006 V/m	0.6769 V/m	0.6484 V/m
254	07/31/2015 10:43:50 AM	0.7037 V/m	0.6743 V/m	0.6424 V/m
255	07/31/2015 10:44:00 AM	0.7143 V/m	0.6843 V/m	0.6672 V/m
256	07/31/2015 10:44:10 AM	0.6987 V/m	0.6748 V/m	0.6501 V/m
257	07/31/2015 10:44:20 AM	0.7046 V/m	0.6804 V/m	0.6433 V/m
258	07/31/2015 10:44:30 AM	0.7007 V/m	0.6741 V/m	0.6412 V/m
259	07/31/2015 10:44:40 AM	0.7014 V/m	0.6795 V/m	0.6514 V/m
260	07/31/2015 10:44:50 AM	0.7497 V/m	0.6916 V/m	0.6627 V/m
261	07/31/2015 10:45:00 AM	0.7108 V/m	0.6806 V/m	0.6530 V/m
262	07/31/2015 10:45:10 AM	0.7477 V/m	0.6946 V/m	0.6581 V/m
263	07/31/2015 10:45:20 AM	0.7400 V/m	0.6945 V/m	0.6639 V/m
264	07/31/2015 10:45:30 AM	0.6998 V/m	0.6814 V/m	0.6581 V/m
265	07/31/2015 10:45:40 AM	0.7287 V/m	0.6895 V/m	0.6433 V/m
266	07/31/2015 10:45:50 AM	0.7253 V/m	0.6917 V/m	0.6530 V/m
267	07/31/2015 10:46:00 AM	0.7348 V/m	0.6976 V/m	0.6651 V/m
268	07/31/2015 10:46:10 AM	0.7104 V/m	0.6884 V/m	0.6713 V/m
269	07/31/2015 10:46:20 AM	0.7566 V/m	0.7147 V/m	0.6851 V/m
270	07/31/2015 10:46:30 AM	0.7303 V/m	0.6933 V/m	0.6614 V/m
271	07/31/2015 10:46:40 AM	0.7474 V/m	0.6843 V/m	0.6480 V/m
272	07/31/2015 10:46:50 AM	0.7344 V/m	0.7039 V/m	0.6614 V/m
273	07/31/2015 10:47:00 AM	0.7139 V/m	0.6805 V/m	0.6277 V/m
274	07/31/2015 10:47:10 AM	0.7307 V/m	0.6999 V/m	0.6316 V/m
275	07/31/2015 10:47:20 AM	0.7872 V/m	0.7135 V/m	0.6573 V/m
276	07/31/2015 10:47:30 AM	0.7717 V/m	0.6975 V/m	0.6556 V/m
277	07/31/2015 10:47:40 AM	0.7268 V/m	0.6850 V/m	0.6531 V/m
278	07/31/2015 10:47:50 AM	0.7127 V/m	0.6735 V/m	0.5893 V/m
279	07/31/2015 10:48:00 AM	0.7154 V/m	0.6753 V/m	0.6437 V/m
280	07/31/2015 10:48:10 AM	0.7645 V/m	0.6912 V/m	0.5698 V/m
281	07/31/2015 10:48:20 AM	0.7430 V/m	0.7099 V/m	0.6799 V/m
282	07/31/2015 10:48:30 AM	0.7352 V/m	0.7032 V/m	0.6639 V/m
283	07/31/2015 10:48:40 AM	0.7370 V/m	0.7028 V/m	0.6713 V/m
284	07/31/2015 10:48:50 AM	0.7231 V/m	0.6895 V/m	0.6484 V/m
285	07/31/2015 10:49:00 AM	0.7284 V/m	0.6966 V/m	0.6726 V/m
286	07/31/2015 10:49:10 AM	0.7507 V/m	0.7209 V/m	0.6908 V/m
287	07/31/2015 10:49:20 AM	0.7879 V/m	0.7128 V/m	0.5406 V/m
288	07/31/2015 10:49:30 AM	0.7540 V/m	0.7079 V/m	0.5365 V/m
289	07/31/2015 10:49:40 AM	0.7565 V/m	0.7226 V/m	0.6883 V/m
290	07/31/2015 10:49:50 AM	0.7419 V/m	0.7159 V/m	0.6847 V/m
291	07/31/2015 10:50:00 AM	0.7261 V/m	0.6984 V/m	0.6581 V/m
292	07/31/2015 10:50:10 AM	0.7735 V/m	0.7199 V/m	0.6766 V/m
293	07/31/2015 10:50:20 AM	0.7521 V/m	0.7274 V/m	0.7006 V/m
294	07/31/2015 10:50:30 AM	0.7543 V/m	0.7197 V/m	0.6863 V/m
295	07/31/2015 10:50:40 AM	0.7310 V/m	0.7113 V/m	0.6791 V/m
296	07/31/2015 10:50:50 AM	0.7580 V/m	0.7203 V/m	0.6883 V/m
297	07/31/2015 10:51:00 AM	0.7562 V/m	0.7109 V/m	0.6903 V/m
298	07/31/2015 10:51:10 AM	0.7173 V/m	0.6909 V/m	0.6631 V/m
299	07/31/2015 10:51:20 AM	0.7280 V/m	0.6871 V/m	0.6407 V/m
300	07/31/2015 10:51:30 AM	0.7196 V/m	0.6998 V/m	0.6791 V/m
301	07/31/2015 10:51:40 AM	0.7264 V/m	0.6866 V/m	0.6568 V/m
302	07/31/2015 10:51:50 AM	0.7127 V/m	0.6874 V/m	0.6614 V/m
303	07/31/2015 10:52:00 AM	0.7100 V/m	0.6866 V/m	0.6639 V/m
304	07/31/2015 10:52:10 AM	0.7223 V/m	0.6940 V/m	0.6639 V/m
305	07/31/2015 10:52:20 AM	0.6982 V/m	0.6741 V/m	0.6514 V/m
306	07/31/2015 10:52:30 AM	0.7306 V/m	0.7026 V/m	0.6668 V/m



307	07/31/2015 10:52:40 AM	0.7440 V/m	0.7185 V/m	0.6915 V/m
308	07/31/2015 10:52:50 AM	0.7238 V/m	0.6986 V/m	0.6618 V/m
309	07/31/2015 10:53:00 AM	0.7914 V/m	0.6878 V/m	0.6556 V/m
310	07/31/2015 10:53:10 AM	0.7408 V/m	0.7048 V/m	0.6807 V/m
311	07/31/2015 10:53:20 AM	0.7119 V/m	0.6904 V/m	0.6668 V/m
312	07/31/2015 10:53:30 AM	0.7344 V/m	0.7093 V/m	0.6851 V/m
313	07/31/2015 10:53:40 AM	0.7551 V/m	0.7066 V/m	0.6754 V/m
314	07/31/2015 10:53:50 AM	0.7276 V/m	0.7015 V/m	0.6799 V/m
315	07/31/2015 10:54:00 AM	0.7583 V/m	0.7283 V/m	0.6907 V/m
316	07/31/2015 10:54:10 AM	0.7411 V/m	0.7113 V/m	0.6750 V/m
317	07/31/2015 10:54:20 AM	0.7123 V/m	0.6770 V/m	0.6399 V/m
318	07/31/2015 10:54:30 AM	0.7192 V/m	0.6830 V/m	0.6514 V/m
319	07/31/2015 10:54:40 AM	0.7030 V/m	0.6708 V/m	0.6355 V/m
320	07/31/2015 10:54:50 AM	0.7215 V/m	0.6962 V/m	0.6581 V/m
321	07/31/2015 10:55:00 AM	0.7426 V/m	0.7062 V/m	0.6766 V/m
322	07/31/2015 10:55:10 AM	0.7276 V/m	0.6882 V/m	0.6543 V/m
323	07/31/2015 10:55:20 AM	0.7006 V/m	0.6742 V/m	0.6193 V/m
324	07/31/2015 10:55:30 AM	0.7119 V/m	0.6747 V/m	0.6390 V/m
325	07/31/2015 10:55:40 AM	0.6971 V/m	0.6751 V/m	0.6556 V/m
326	07/31/2015 10:55:50 AM	0.7272 V/m	0.6984 V/m	0.6660 V/m
327	07/31/2015 10:56:00 AM	0.7396 V/m	0.7112 V/m	0.6935 V/m
328	07/31/2015 10:56:10 AM	0.7088 V/m	0.6838 V/m	0.6535 V/m
329	07/31/2015 10:56:20 AM	0.7076 V/m	0.6867 V/m	0.6543 V/m
330	07/31/2015 10:56:30 AM	0.7196 V/m	0.6952 V/m	0.6730 V/m
331	07/31/2015 10:56:40 AM	0.7518 V/m	0.7085 V/m	0.6672 V/m
332	07/31/2015 10:56:50 AM	0.7231 V/m	0.6956 V/m	0.6618 V/m
333	07/31/2015 10:57:00 AM	0.7437 V/m	0.6915 V/m	0.6458 V/m
334	07/31/2015 10:57:10 AM	0.7767 V/m	0.7206 V/m	0.6855 V/m
335	07/31/2015 10:57:20 AM	0.7333 V/m	0.6998 V/m	0.6643 V/m
336	07/31/2015 10:57:30 AM	0.7276 V/m	0.6926 V/m	0.6581 V/m
337	07/31/2015 10:57:40 AM	0.6923 V/m	0.6682 V/m	0.6509 V/m
338	07/31/2015 10:57:50 AM	0.7115 V/m	0.6774 V/m	0.6437 V/m
339	07/31/2015 10:58:00 AM	0.6963 V/m	0.6717 V/m	0.6407 V/m
340	07/31/2015 10:58:10 AM	0.7092 V/m	0.6810 V/m	0.6522 V/m
341	07/31/2015 10:58:20 AM	0.7238 V/m	0.6841 V/m	0.6471 V/m
342	07/31/2015 10:58:30 AM	0.7204 V/m	0.6967 V/m	0.6758 V/m
343	07/31/2015 10:58:40 AM	0.7389 V/m	0.7093 V/m	0.6827 V/m
344	07/31/2015 10:58:50 AM	0.7344 V/m	0.7093 V/m	0.6843 V/m
345	07/31/2015 10:59:00 AM	0.7467 V/m	0.7166 V/m	0.6903 V/m
346	07/31/2015 10:59:10 AM	0.7459 V/m	0.7164 V/m	0.6819 V/m
347	07/31/2015 10:59:20 AM	0.7215 V/m	0.6982 V/m	0.6762 V/m
348	07/31/2015 10:59:30 AM	0.7288 V/m	0.7109 V/m	0.6795 V/m
349	07/31/2015 10:59:40 AM	0.7336 V/m	0.7082 V/m	0.6903 V/m
350	07/31/2015 10:59:50 AM	0.7533 V/m	0.7223 V/m	0.6979 V/m
351	07/31/2015 11:00:00 AM	0.7714 V/m	0.7497 V/m	0.7257 V/m
352	07/31/2015 11:00:10 AM	0.7809 V/m	0.7587 V/m	0.7280 V/m
353	07/31/2015 11:00:20 AM	0.7844 V/m	0.7650 V/m	0.7389 V/m
354	07/31/2015 11:00:30 AM	0.7932 V/m	0.7567 V/m	0.7336 V/m
355	07/31/2015 11:00:40 AM	0.7714 V/m	0.7353 V/m	0.7038 V/m
356	07/31/2015 11:00:50 AM	0.7514 V/m	0.7216 V/m	0.6916 V/m
357	07/31/2015 11:01:00 AM	0.7576 V/m	0.7247 V/m	0.7046 V/m
358	07/31/2015 11:01:10 AM	0.7467 V/m	0.7185 V/m	0.6951 V/m
359	07/31/2015 11:01:20 AM	0.7299 V/m	0.7091 V/m	0.6867 V/m
360	07/31/2015 11:01:30 AM	0.7408 V/m	0.7252 V/m	0.7123 V/m
361	07/31/2015 11:01:40 AM	0.7515 V/m	0.7075 V/m	0.6831 V/m
362	07/31/2015 11:01:50 AM	0.7261 V/m	0.7024 V/m	0.6779 V/m
363	07/31/2015 11:02:00 AM	0.7204 V/m	0.7061 V/m	0.6860 V/m
364	07/31/2015 11:02:10 AM	0.7276 V/m	0.7105 V/m	0.6912 V/m
365	07/31/2015 11:02:20 AM	0.7381 V/m	0.7144 V/m	0.6892 V/m
366	07/31/2015 11:02:30 AM	0.7337 V/m	0.7159 V/m	0.6896 V/m
367	07/31/2015 11:02:40 AM	0.7415 V/m	0.7225 V/m	0.6918 V/m
368	07/31/2015 11:02:50 AM	0.7470 V/m	0.7236 V/m	0.7065 V/m
369	07/31/2015 11:03:00 AM	0.7587 V/m	0.7304 V/m	0.7046 V/m



370	07/31/2015 11:03:10 AM	0.8059 V/m	0.7546 V/m	0.7254 V/m
371	07/31/2015 11:03:20 AM	0.7841 V/m	0.7391 V/m	0.6717 V/m
372	07/31/2015 11:03:30 AM	0.7616 V/m	0.7343 V/m	0.7073 V/m
373	07/31/2015 11:03:40 AM	0.7302 V/m	0.7081 V/m	0.6900 V/m
374	07/31/2015 11:03:50 AM	0.7374 V/m	0.7122 V/m	0.6975 V/m
375	07/31/2015 11:04:00 AM	0.7381 V/m	0.6959 V/m	0.6689 V/m
376	07/31/2015 11:04:10 AM	0.7348 V/m	0.6994 V/m	0.6647 V/m
377	07/31/2015 11:04:20 AM	0.7302 V/m	0.7110 V/m	0.6924 V/m
378	07/31/2015 11:04:30 AM	0.7624 V/m	0.7217 V/m	0.6923 V/m
379	07/31/2015 11:04:40 AM	0.7812 V/m	0.7355 V/m	0.7100 V/m
380	07/31/2015 11:04:50 AM	0.7954 V/m	0.7318 V/m	0.7088 V/m
381	07/31/2015 11:05:00 AM	0.8013 V/m	0.7081 V/m	0.5365 V/m
382	07/31/2015 11:05:10 AM	0.7433 V/m	0.6989 V/m	0.6017 V/m
383	07/31/2015 11:05:20 AM	0.7702 V/m	0.7155 V/m	0.6614 V/m
384	07/31/2015 11:05:30 AM	0.7269 V/m	0.7067 V/m	0.6872 V/m
385	07/31/2015 11:05:40 AM	0.7314 V/m	0.7051 V/m	0.6759 V/m
386	07/31/2015 11:05:50 AM	0.7362 V/m	0.7106 V/m	0.6916 V/m
387	07/31/2015 11:06:00 AM	0.7242 V/m	0.7080 V/m	0.6815 V/m
388	07/31/2015 11:06:10 AM	0.7378 V/m	0.7081 V/m	0.6839 V/m
389	07/31/2015 11:06:20 AM	0.7485 V/m	0.7212 V/m	0.6935 V/m
390	07/31/2015 11:06:30 AM	0.7440 V/m	0.7228 V/m	0.6876 V/m
391	07/31/2015 11:06:40 AM	0.7496 V/m	0.7215 V/m	0.6943 V/m
392	07/31/2015 11:06:50 AM	0.7481 V/m	0.7229 V/m	0.6843 V/m
393	07/31/2015 11:07:00 AM	0.7805 V/m	0.7317 V/m	0.7084 V/m
394	07/31/2015 11:07:10 AM	0.7616 V/m	0.7242 V/m	0.6923 V/m
395	07/31/2015 11:07:20 AM	0.7419 V/m	0.7100 V/m	0.6819 V/m
396	07/31/2015 11:07:30 AM	0.7667 V/m	0.7317 V/m	0.6916 V/m
397	07/31/2015 11:07:40 AM	0.8008 V/m	0.7495 V/m	0.7135 V/m
398	07/31/2015 11:07:50 AM	0.7397 V/m	0.7117 V/m	0.6947 V/m
399	07/31/2015 11:08:00 AM	0.7363 V/m	0.7193 V/m	0.6943 V/m
400	07/31/2015 11:08:10 AM	0.7713 V/m	0.7254 V/m	0.6867 V/m
401	07/31/2015 11:08:20 AM	0.7344 V/m	0.7144 V/m	0.6811 V/m
402	07/31/2015 11:08:30 AM	0.7602 V/m	0.7288 V/m	0.7081 V/m
403	07/31/2015 11:08:40 AM	0.7333 V/m	0.7136 V/m	0.6888 V/m
404	07/31/2015 11:08:50 AM	0.7702 V/m	0.7336 V/m	0.7084 V/m
405	07/31/2015 11:09:00 AM	0.7544 V/m	0.7231 V/m	0.6971 V/m
406	07/31/2015 11:09:10 AM	0.7429 V/m	0.7233 V/m	0.7018 V/m
407	07/31/2015 11:09:20 AM	0.7422 V/m	0.7254 V/m	0.6999 V/m
408	07/31/2015 11:09:30 AM	0.7514 V/m	0.7267 V/m	0.6915 V/m
409	07/31/2015 11:09:40 AM	0.7403 V/m	0.7226 V/m	0.6987 V/m
410	07/31/2015 11:09:50 AM	0.7437 V/m	0.7072 V/m	0.6791 V/m
411	07/31/2015 11:10:00 AM	0.7366 V/m	0.7054 V/m	0.6847 V/m
412	07/31/2015 11:10:10 AM	0.7536 V/m	0.7097 V/m	0.6795 V/m
413	07/31/2015 11:10:20 AM	0.7414 V/m	0.7019 V/m	0.6656 V/m
414	07/31/2015 11:10:30 AM	0.7544 V/m	0.7160 V/m	0.6851 V/m
415	07/31/2015 11:10:40 AM	0.7429 V/m	0.7124 V/m	0.6843 V/m
416	07/31/2015 11:10:50 AM	0.7355 V/m	0.7085 V/m	0.6815 V/m
417	07/31/2015 11:11:00 AM	0.7165 V/m	0.6935 V/m	0.6676 V/m
418	07/31/2015 11:11:10 AM	0.7104 V/m	0.6912 V/m	0.6618 V/m
419	07/31/2015 11:11:20 AM	0.7493 V/m	0.7034 V/m	0.6726 V/m
420	07/31/2015 11:11:30 AM	0.7522 V/m	0.7107 V/m	0.6652 V/m
421	07/31/2015 11:11:40 AM	0.7438 V/m	0.6848 V/m	0.6597 V/m
422	07/31/2015 11:11:50 AM	0.7006 V/m	0.6802 V/m	0.6614 V/m
423	07/31/2015 11:12:00 AM	0.7321 V/m	0.7006 V/m	0.6794 V/m
424	07/31/2015 11:12:10 AM	0.7295 V/m	0.6818 V/m	0.6560 V/m
425	07/31/2015 11:12:20 AM	0.7283 V/m	0.7033 V/m	0.6778 V/m
426	07/31/2015 11:12:30 AM	0.7503 V/m	0.7007 V/m	0.6458 V/m
427	07/31/2015 11:12:40 AM	0.7358 V/m	0.7022 V/m	0.6843 V/m
428	07/31/2015 11:12:50 AM	0.7362 V/m	0.7102 V/m	0.6919 V/m
429	07/31/2015 11:13:00 AM	0.7496 V/m	0.7007 V/m	0.6680 V/m
430	07/31/2015 11:13:10 AM	0.7150 V/m	0.6934 V/m	0.6693 V/m
431	07/31/2015 11:13:20 AM	0.7126 V/m	0.6867 V/m	0.6672 V/m
432	07/31/2015 11:13:30 AM	0.7631 V/m	0.7114 V/m	0.6564 V/m



433	07/31/2015 11:13:40 AM	0.7591 V/m	0.7175 V/m	0.6831 V/m
434	07/31/2015 11:13:50 AM	0.7302 V/m	0.6883 V/m	0.6505 V/m
435	07/31/2015 11:14:00 AM	0.7072 V/m	0.6824 V/m	0.6518 V/m
436	07/31/2015 11:14:10 AM	0.7348 V/m	0.6872 V/m	0.6424 V/m
437	07/31/2015 11:14:20 AM	0.7569 V/m	0.7077 V/m	0.6543 V/m
438	07/31/2015 11:14:30 AM	0.7448 V/m	0.7078 V/m	0.6831 V/m
439	07/31/2015 11:14:40 AM	0.7418 V/m	0.6939 V/m	0.6656 V/m
440	07/31/2015 11:14:50 AM	0.7250 V/m	0.6988 V/m	0.6639 V/m
441	07/31/2015 11:15:00 AM	0.9448 V/m	0.7337 V/m	0.6762 V/m
442	07/31/2015 11:15:10 AM	0.7385 V/m	0.7061 V/m	0.6697 V/m
443	07/31/2015 11:15:20 AM	0.7430 V/m	0.6693 V/m	0.6286 V/m
444	07/31/2015 11:15:30 AM	0.7002 V/m	0.6581 V/m	0.6135 V/m
445	07/31/2015 11:15:40 AM	0.6911 V/m	0.6723 V/m	0.6399 V/m
446	07/31/2015 11:15:50 AM	0.6994 V/m	0.6673 V/m	0.6429 V/m
447	07/31/2015 11:16:00 AM	0.7230 V/m	0.6762 V/m	0.6463 V/m
448	07/31/2015 11:16:10 AM	0.7146 V/m	0.6907 V/m	0.6614 V/m
449	07/31/2015 11:16:20 AM	0.7135 V/m	0.6818 V/m	0.6547 V/m
450	07/31/2015 11:16:30 AM	0.7204 V/m	0.6866 V/m	0.6569 V/m
451	07/31/2015 11:16:40 AM	0.7227 V/m	0.6939 V/m	0.6738 V/m
452	07/31/2015 11:16:50 AM	0.7135 V/m	0.6851 V/m	0.6618 V/m
453	07/31/2015 11:17:00 AM	0.7188 V/m	0.6991 V/m	0.6556 V/m
454	07/31/2015 11:17:10 AM	0.7310 V/m	0.7027 V/m	0.6742 V/m
455	07/31/2015 11:17:20 AM	0.7257 V/m	0.6940 V/m	0.6660 V/m
456	07/31/2015 11:17:30 AM	0.7119 V/m	0.6889 V/m	0.6660 V/m
457	07/31/2015 11:17:40 AM	0.7283 V/m	0.6970 V/m	0.6593 V/m
458	07/31/2015 11:17:50 AM	0.7306 V/m	0.6966 V/m	0.6770 V/m
459	07/31/2015 11:18:00 AM	0.7135 V/m	0.6803 V/m	0.6467 V/m
460	07/31/2015 11:18:10 AM	0.6819 V/m	0.6552 V/m	0.5717 V/m
461	07/31/2015 11:18:20 AM	0.6915 V/m	0.6536 V/m	0.6108 V/m
462	07/31/2015 11:18:30 AM	0.7131 V/m	0.6711 V/m	0.6407 V/m
463	07/31/2015 11:18:40 AM	0.6847 V/m	0.6650 V/m	0.6441 V/m
464	07/31/2015 11:18:50 AM	0.6855 V/m	0.6631 V/m	0.6334 V/m
465	07/31/2015 11:19:00 AM	0.6887 V/m	0.6535 V/m	0.6260 V/m
466	07/31/2015 11:19:10 AM	0.6879 V/m	0.6549 V/m	0.6329 V/m
467	07/31/2015 11:19:20 AM	0.6891 V/m	0.6689 V/m	0.6377 V/m
468	07/31/2015 11:19:30 AM	0.7173 V/m	0.6801 V/m	0.6593 V/m
469	07/31/2015 11:19:40 AM	0.6970 V/m	0.6720 V/m	0.6450 V/m
470	07/31/2015 11:19:50 AM	0.6721 V/m	0.6525 V/m	0.6281 V/m
471	07/31/2015 11:20:00 AM	0.6883 V/m	0.6512 V/m	0.6273 V/m
472	07/31/2015 11:20:10 AM	0.6911 V/m	0.6618 V/m	0.6321 V/m
473	07/31/2015 11:20:20 AM	0.7006 V/m	0.6660 V/m	0.6433 V/m
474	07/31/2015 11:20:30 AM	0.7334 V/m	0.6355 V/m	0.3690 V/m
475	07/31/2015 11:20:40 AM	0.5246 V/m	0.4269 V/m	0.3170 V/m
476	07/31/2015 11:20:50 AM	0.5204 V/m	0.5003 V/m	0.4814 V/m
477	07/31/2015 11:21:00 AM	0.6951 V/m	0.5805 V/m	0.4938 V/m
478	07/31/2015 11:21:10 AM	0.7287 V/m	0.6687 V/m	0.6303 V/m
479	07/31/2015 11:21:20 AM	0.6730 V/m	0.6575 V/m	0.6399 V/m
480	07/31/2015 11:21:30 AM	0.7426 V/m	0.6699 V/m	0.5916 V/m
481	07/31/2015 11:21:40 AM	0.7165 V/m	0.6882 V/m	0.6709 V/m
482	07/31/2015 11:21:50 AM	0.7276 V/m	0.7019 V/m	0.6733 V/m
483	07/31/2015 11:22:00 AM	0.7633 V/m	0.7304 V/m	0.6891 V/m
484	07/31/2015 11:22:10 AM	0.7295 V/m	0.6982 V/m	0.6742 V/m
485	07/31/2015 11:22:20 AM	0.7150 V/m	0.6954 V/m	0.6717 V/m
486	07/31/2015 11:22:30 AM	0.7474 V/m	0.6891 V/m	0.6522 V/m
487	07/31/2015 11:22:40 AM	0.6320 V/m	0.5741 V/m	0.5251 V/m
488	07/31/2015 11:22:50 AM	0.6895 V/m	0.6504 V/m	0.6215 V/m
489	07/31/2015 11:23:00 AM	0.6831 V/m	0.6476 V/m	0.6189 V/m
490	07/31/2015 11:23:10 AM	0.7088 V/m	0.6683 V/m	0.6394 V/m
491	07/31/2015 11:23:20 AM	0.6811 V/m	0.6561 V/m	0.6281 V/m
492	07/31/2015 11:23:30 AM	0.6835 V/m	0.6620 V/m	0.6360 V/m
493	07/31/2015 11:23:40 AM	0.7444 V/m	0.6595 V/m	0.6202 V/m
494	07/31/2015 11:23:50 AM	0.7177 V/m	0.6662 V/m	0.6346 V/m
495	07/31/2015 11:24:00 AM	0.7010 V/m	0.6705 V/m	0.6407 V/m



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496	07/31/2015 11:24:10 AM	0.7192 V/m	0.6749 V/m	0.6286 V/m
497	07/31/2015 11:24:20 AM	0.7107 V/m	0.6774 V/m	0.6394 V/m
498	07/31/2015 11:24:30 AM	0.6998 V/m	0.6654 V/m	0.6294 V/m
499	07/31/2015 11:24:40 AM	0.7287 V/m	0.6868 V/m	0.6581 V/m
500	07/31/2015 11:24:50 AM	0.7317 V/m	0.6940 V/m	0.6709 V/m
501	07/31/2015 11:25:00 AM	0.7041 V/m	0.6786 V/m	0.6428 V/m
502	07/31/2015 11:25:10 AM	0.7295 V/m	0.6834 V/m	0.6450 V/m
503	07/31/2015 11:25:20 AM	0.6971 V/m	0.6614 V/m	0.6308 V/m
504	07/31/2015 11:25:30 AM	0.6935 V/m	0.6694 V/m	0.6189 V/m
505	07/31/2015 11:25:40 AM	0.7227 V/m	0.6834 V/m	0.6437 V/m
506	07/31/2015 11:25:50 AM	0.7367 V/m	0.6820 V/m	0.6484 V/m
507	07/31/2015 11:26:00 AM	0.7280 V/m	0.6820 V/m	0.6454 V/m
508	07/31/2015 11:26:10 AM	0.6892 V/m	0.6603 V/m	0.6308 V/m
509	07/31/2015 11:26:20 AM	0.6879 V/m	0.6671 V/m	0.6334 V/m
510	07/31/2015 11:26:30 AM	0.6966 V/m	0.6636 V/m	0.6329 V/m
511	07/31/2015 11:26:40 AM	0.6807 V/m	0.6619 V/m	0.6299 V/m
512	07/31/2015 11:26:50 AM	0.6911 V/m	0.6669 V/m	0.6412 V/m
513	07/31/2015 11:27:00 AM	0.7088 V/m	0.6710 V/m	0.6501 V/m
514	07/31/2015 11:27:10 AM	0.7433 V/m	0.6960 V/m	0.6643 V/m
515	07/31/2015 11:27:20 AM	0.7088 V/m	0.6832 V/m	0.6497 V/m
516	07/31/2015 11:27:30 AM	0.6899 V/m	0.6564 V/m	0.6334 V/m
517	07/31/2015 11:27:40 AM	0.6835 V/m	0.6631 V/m	0.6429 V/m
518	07/31/2015 11:27:50 AM	0.6927 V/m	0.6669 V/m	0.6492 V/m
519	07/31/2015 11:28:00 AM	0.6923 V/m	0.6635 V/m	0.6351 V/m
520	07/31/2015 11:28:10 AM	0.6875 V/m	0.6587 V/m	0.6312 V/m
521	07/31/2015 11:28:20 AM	0.6754 V/m	0.6509 V/m	0.6294 V/m
522	07/31/2015 11:28:30 AM	0.7321 V/m	0.6842 V/m	0.6509 V/m
523	07/31/2015 11:28:40 AM	0.7381 V/m	0.6785 V/m	0.6347 V/m
524	07/31/2015 11:28:50 AM	0.7134 V/m	0.6821 V/m	0.6488 V/m
525	07/31/2015 11:29:00 AM	0.7426 V/m	0.7062 V/m	0.6543 V/m
526	07/31/2015 11:29:10 AM	0.6815 V/m	0.6558 V/m	0.6308 V/m
527	07/31/2015 11:29:20 AM	0.7452 V/m	0.6822 V/m	0.5684 V/m
528	07/31/2015 11:29:30 AM	0.7348 V/m	0.6968 V/m	0.5888 V/m
529	07/31/2015 11:29:40 AM	0.7181 V/m	0.6773 V/m	0.6488 V/m
530	07/31/2015 11:29:50 AM	0.7006 V/m	0.6755 V/m	0.6535 V/m
531	07/31/2015 11:30:00 AM	0.7049 V/m	0.6687 V/m	0.6399 V/m
532	07/31/2015 11:30:10 AM	0.7253 V/m	0.6841 V/m	0.6454 V/m
533	07/31/2015 11:30:20 AM	0.6915 V/m	0.6548 V/m	0.6036 V/m
534	07/31/2015 11:30:30 AM	0.6999 V/m	0.6622 V/m	0.6286 V/m
535	07/31/2015 11:30:40 AM	0.7111 V/m	0.6880 V/m	0.6551 V/m
536	07/31/2015 11:30:50 AM	0.7018 V/m	0.6767 V/m	0.6381 V/m
537	07/31/2015 11:31:00 AM	0.6911 V/m	0.6686 V/m	0.6398 V/m
538	07/31/2015 11:31:10 AM	0.7212 V/m	0.6932 V/m	0.6509 V/m
539	07/31/2015 11:31:20 AM	0.7193 V/m	0.6802 V/m	0.6454 V/m
540	07/31/2015 11:31:30 AM	0.6899 V/m	0.6529 V/m	0.6242 V/m
541	07/31/2015 11:31:40 AM	0.6791 V/m	0.6458 V/m	0.6193 V/m
542	07/31/2015 11:31:50 AM	0.6758 V/m	0.6565 V/m	0.6299 V/m
543	07/31/2015 11:32:00 AM	0.6839 V/m	0.6578 V/m	0.6215 V/m
544	07/31/2015 11:32:10 AM	0.6815 V/m	0.6587 V/m	0.6377 V/m
545	07/31/2015 11:32:20 AM	0.6795 V/m	0.6563 V/m	0.6329 V/m
546	07/31/2015 11:32:30 AM	0.6746 V/m	0.6532 V/m	0.6259 V/m
547	07/31/2015 11:32:40 AM	0.6951 V/m	0.6594 V/m	0.6334 V/m
548	07/31/2015 11:32:50 AM	0.6983 V/m	0.6678 V/m	0.6390 V/m
549	07/31/2015 11:33:00 AM	0.7100 V/m	0.6671 V/m	0.6268 V/m
550	07/31/2015 11:33:10 AM	0.7018 V/m	0.6602 V/m	0.6286 V/m
551	07/31/2015 11:33:20 AM	0.6931 V/m	0.6641 V/m	0.6220 V/m
552	07/31/2015 11:33:30 AM	0.7358 V/m	0.6929 V/m	0.6643 V/m
553	07/31/2015 11:33:40 AM	0.7146 V/m	0.6871 V/m	0.6589 V/m
554	07/31/2015 11:33:50 AM	0.7037 V/m	0.6741 V/m	0.6501 V/m
555	07/31/2015 11:34:00 AM	0.7150 V/m	0.6707 V/m	0.6390 V/m
556	07/31/2015 11:34:10 AM	0.7215 V/m	0.6916 V/m	0.6433 V/m
557	07/31/2015 11:34:20 AM	0.7291 V/m	0.6923 V/m	0.6480 V/m
558	07/31/2015 11:34:30 AM	0.6923 V/m	0.6679 V/m	0.6416 V/m



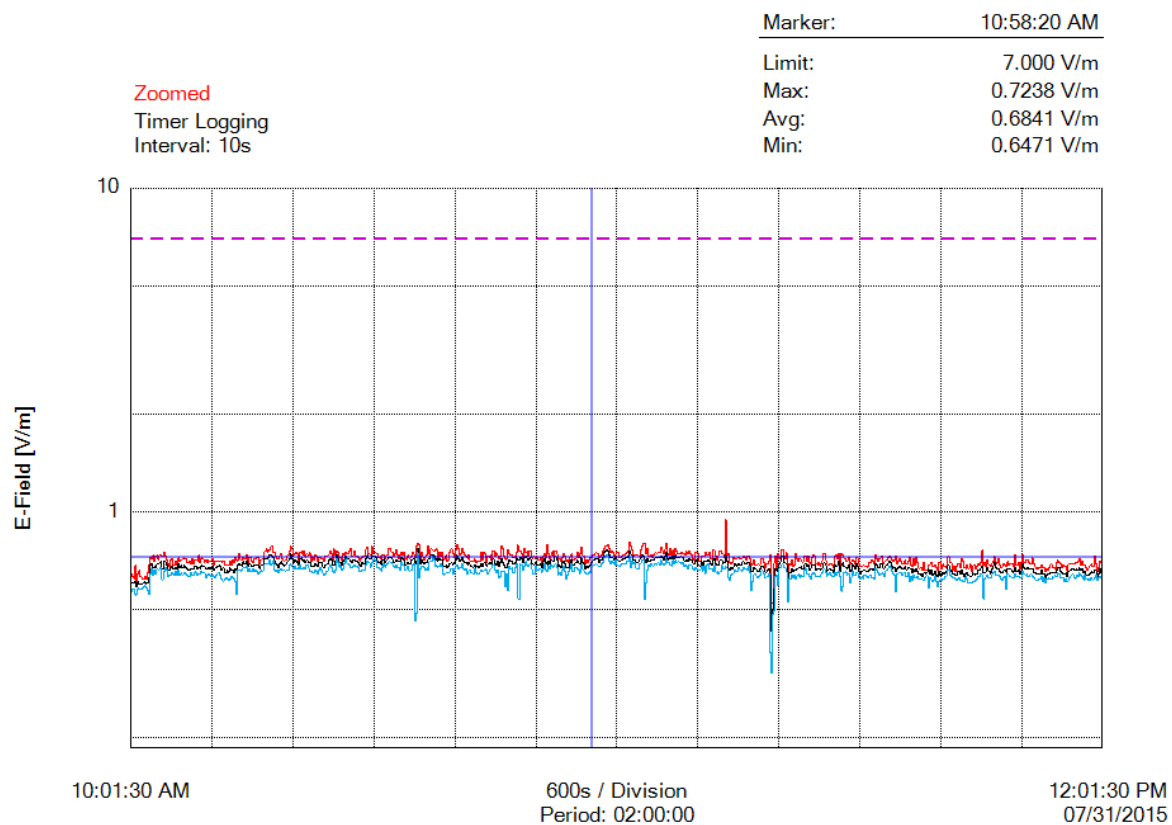
559	07/31/2015 11:34:40 AM	0.7034 V/m	0.6707 V/m	0.6303 V/m
560	07/31/2015 11:34:50 AM	0.7096 V/m	0.6841 V/m	0.6577 V/m
561	07/31/2015 11:35:00 AM	0.7215 V/m	0.6924 V/m	0.6685 V/m
562	07/31/2015 11:35:10 AM	0.7322 V/m	0.7035 V/m	0.6807 V/m
563	07/31/2015 11:35:20 AM	0.7238 V/m	0.6979 V/m	0.6746 V/m
564	07/31/2015 11:35:30 AM	0.7112 V/m	0.6808 V/m	0.6535 V/m
565	07/31/2015 11:35:40 AM	0.7042 V/m	0.6694 V/m	0.6424 V/m
566	07/31/2015 11:35:50 AM	0.7072 V/m	0.6751 V/m	0.6359 V/m
567	07/31/2015 11:36:00 AM	0.7299 V/m	0.6525 V/m	0.5669 V/m
568	07/31/2015 11:36:10 AM	0.6895 V/m	0.6673 V/m	0.6420 V/m
569	07/31/2015 11:36:20 AM	0.7034 V/m	0.6723 V/m	0.6467 V/m
570	07/31/2015 11:36:30 AM	0.7161 V/m	0.6775 V/m	0.6471 V/m
571	07/31/2015 11:36:40 AM	0.7022 V/m	0.6733 V/m	0.6488 V/m
572	07/31/2015 11:36:50 AM	0.6883 V/m	0.6637 V/m	0.6381 V/m
573	07/31/2015 11:37:00 AM	0.6911 V/m	0.6681 V/m	0.6480 V/m
574	07/31/2015 11:37:10 AM	0.7076 V/m	0.6770 V/m	0.6501 V/m
575	07/31/2015 11:37:20 AM	0.6891 V/m	0.6613 V/m	0.6312 V/m
576	07/31/2015 11:37:30 AM	0.7026 V/m	0.6746 V/m	0.6488 V/m
577	07/31/2015 11:37:40 AM	0.7250 V/m	0.6709 V/m	0.6090 V/m
578	07/31/2015 11:37:50 AM	0.6879 V/m	0.6662 V/m	0.6329 V/m
579	07/31/2015 11:38:00 AM	0.6762 V/m	0.6466 V/m	0.6149 V/m
580	07/31/2015 11:38:10 AM	0.7146 V/m	0.6639 V/m	0.6385 V/m
581	07/31/2015 11:38:20 AM	0.6827 V/m	0.6534 V/m	0.6233 V/m
582	07/31/2015 11:38:30 AM	0.7204 V/m	0.6659 V/m	0.6272 V/m
583	07/31/2015 11:38:40 AM	0.6987 V/m	0.6546 V/m	0.6308 V/m
584	07/31/2015 11:38:50 AM	0.6693 V/m	0.6439 V/m	0.6176 V/m
585	07/31/2015 11:39:00 AM	0.6705 V/m	0.6397 V/m	0.6184 V/m
586	07/31/2015 11:39:10 AM	0.6725 V/m	0.6432 V/m	0.6184 V/m
587	07/31/2015 11:39:20 AM	0.6589 V/m	0.6325 V/m	0.6157 V/m
588	07/31/2015 11:39:30 AM	0.6979 V/m	0.6478 V/m	0.6140 V/m
589	07/31/2015 11:39:40 AM	0.6581 V/m	0.6456 V/m	0.6281 V/m
590	07/31/2015 11:39:50 AM	0.6631 V/m	0.6496 V/m	0.6347 V/m
591	07/31/2015 11:40:00 AM	0.6867 V/m	0.6643 V/m	0.5808 V/m
592	07/31/2015 11:40:10 AM	0.6867 V/m	0.6440 V/m	0.6259 V/m
593	07/31/2015 11:40:20 AM	0.6975 V/m	0.6598 V/m	0.6180 V/m
594	07/31/2015 11:40:30 AM	0.6799 V/m	0.6383 V/m	0.6077 V/m
595	07/31/2015 11:40:40 AM	0.6767 V/m	0.6421 V/m	0.6149 V/m
596	07/31/2015 11:40:50 AM	0.6836 V/m	0.6537 V/m	0.6312 V/m
597	07/31/2015 11:41:00 AM	0.6717 V/m	0.6400 V/m	0.6108 V/m
598	07/31/2015 11:41:10 AM	0.6581 V/m	0.6296 V/m	0.5888 V/m
599	07/31/2015 11:41:20 AM	0.6971 V/m	0.6557 V/m	0.6109 V/m
600	07/31/2015 11:41:30 AM	0.6951 V/m	0.6378 V/m	0.6180 V/m
601	07/31/2015 11:41:40 AM	0.6647 V/m	0.6345 V/m	0.6162 V/m
602	07/31/2015 11:41:50 AM	0.6895 V/m	0.6509 V/m	0.6207 V/m
603	07/31/2015 11:42:00 AM	0.6782 V/m	0.6432 V/m	0.6202 V/m
604	07/31/2015 11:42:10 AM	0.6742 V/m	0.6504 V/m	0.6312 V/m
605	07/31/2015 11:42:20 AM	0.6791 V/m	0.6595 V/m	0.6351 V/m
606	07/31/2015 11:42:30 AM	0.7287 V/m	0.6825 V/m	0.6610 V/m
607	07/31/2015 11:42:40 AM	0.6959 V/m	0.6631 V/m	0.6390 V/m
608	07/31/2015 11:42:50 AM	0.6947 V/m	0.6539 V/m	0.6342 V/m
609	07/31/2015 11:43:00 AM	0.6577 V/m	0.6412 V/m	0.6237 V/m
610	07/31/2015 11:43:10 AM	0.6811 V/m	0.6448 V/m	0.6285 V/m
611	07/31/2015 11:43:20 AM	0.6522 V/m	0.6354 V/m	0.6207 V/m
612	07/31/2015 11:43:30 AM	0.6787 V/m	0.6373 V/m	0.6122 V/m
613	07/31/2015 11:43:40 AM	0.6895 V/m	0.6530 V/m	0.6175 V/m
614	07/31/2015 11:43:50 AM	0.6935 V/m	0.6560 V/m	0.6246 V/m
615	07/31/2015 11:44:00 AM	0.6709 V/m	0.6405 V/m	0.6135 V/m
616	07/31/2015 11:44:10 AM	0.7188 V/m	0.6610 V/m	0.6158 V/m
617	07/31/2015 11:44:20 AM	0.7021 V/m	0.6422 V/m	0.6072 V/m
618	07/31/2015 11:44:30 AM	0.6701 V/m	0.6315 V/m	0.6085 V/m
619	07/31/2015 11:44:40 AM	0.6689 V/m	0.6457 V/m	0.6294 V/m
620	07/31/2015 11:44:50 AM	0.6855 V/m	0.6511 V/m	0.6193 V/m
621	07/31/2015 11:45:00 AM	0.6685 V/m	0.6362 V/m	0.6013 V/m



622	07/31/2015 11:45:10 AM	0.6903 V/m	0.6333 V/m	0.6059 V/m
623	07/31/2015 11:45:20 AM	0.6539 V/m	0.6336 V/m	0.6022 V/m
624	07/31/2015 11:45:30 AM	0.6811 V/m	0.6470 V/m	0.6068 V/m
625	07/31/2015 11:45:40 AM	0.6844 V/m	0.6432 V/m	0.6104 V/m
626	07/31/2015 11:45:50 AM	0.6652 V/m	0.6394 V/m	0.6144 V/m
627	07/31/2015 11:46:00 AM	0.6758 V/m	0.6429 V/m	0.6184 V/m
628	07/31/2015 11:46:10 AM	0.6931 V/m	0.6583 V/m	0.6303 V/m
629	07/31/2015 11:46:20 AM	0.6859 V/m	0.6580 V/m	0.6295 V/m
630	07/31/2015 11:46:30 AM	0.6991 V/m	0.6700 V/m	0.6437 V/m
631	07/31/2015 11:46:40 AM	0.7602 V/m	0.6824 V/m	0.6394 V/m
632	07/31/2015 11:46:50 AM	0.6839 V/m	0.6475 V/m	0.5385 V/m
633	07/31/2015 11:47:00 AM	0.6990 V/m	0.6488 V/m	0.6211 V/m
634	07/31/2015 11:47:10 AM	0.6758 V/m	0.6531 V/m	0.6303 V/m
635	07/31/2015 11:47:20 AM	0.7112 V/m	0.6732 V/m	0.6390 V/m
636	07/31/2015 11:47:30 AM	0.6863 V/m	0.6552 V/m	0.6242 V/m
637	07/31/2015 11:47:40 AM	0.6778 V/m	0.6457 V/m	0.6242 V/m
638	07/31/2015 11:47:50 AM	0.6927 V/m	0.6640 V/m	0.6390 V/m
639	07/31/2015 11:48:00 AM	0.7041 V/m	0.6810 V/m	0.6463 V/m
640	07/31/2015 11:48:10 AM	0.7269 V/m	0.6959 V/m	0.6572 V/m
641	07/31/2015 11:48:20 AM	0.6923 V/m	0.6748 V/m	0.6398 V/m
642	07/31/2015 11:48:30 AM	0.6963 V/m	0.6694 V/m	0.6364 V/m
643	07/31/2015 11:48:40 AM	0.7192 V/m	0.6668 V/m	0.6373 V/m
644	07/31/2015 11:48:50 AM	0.6831 V/m	0.6548 V/m	0.6316 V/m
645	07/31/2015 11:49:00 AM	0.6713 V/m	0.6461 V/m	0.6175 V/m
646	07/31/2015 11:49:10 AM	0.6762 V/m	0.6507 V/m	0.6158 V/m
647	07/31/2015 11:49:20 AM	0.6907 V/m	0.6583 V/m	0.6246 V/m
648	07/31/2015 11:49:30 AM	0.6819 V/m	0.6604 V/m	0.6325 V/m
649	07/31/2015 11:49:40 AM	0.6770 V/m	0.6507 V/m	0.5770 V/m
650	07/31/2015 11:49:50 AM	0.7010 V/m	0.6688 V/m	0.6429 V/m
651	07/31/2015 11:50:00 AM	0.6835 V/m	0.6644 V/m	0.6398 V/m
652	07/31/2015 11:50:10 AM	0.6927 V/m	0.6648 V/m	0.6295 V/m
653	07/31/2015 11:50:20 AM	0.6939 V/m	0.6565 V/m	0.6264 V/m
654	07/31/2015 11:50:30 AM	0.6799 V/m	0.6512 V/m	0.6233 V/m
655	07/31/2015 11:50:40 AM	0.7355 V/m	0.6751 V/m	0.6441 V/m
656	07/31/2015 11:50:50 AM	0.6835 V/m	0.6574 V/m	0.6290 V/m
657	07/31/2015 11:51:00 AM	0.6867 V/m	0.6540 V/m	0.6325 V/m
658	07/31/2015 11:51:10 AM	0.6967 V/m	0.6597 V/m	0.6303 V/m
659	07/31/2015 11:51:20 AM	0.6676 V/m	0.6431 V/m	0.6255 V/m
660	07/31/2015 11:51:30 AM	0.6959 V/m	0.6525 V/m	0.6285 V/m
661	07/31/2015 11:51:40 AM	0.7381 V/m	0.6930 V/m	0.6572 V/m
662	07/31/2015 11:51:50 AM	0.6955 V/m	0.6729 V/m	0.6403 V/m
663	07/31/2015 11:52:00 AM	0.6943 V/m	0.6646 V/m	0.6398 V/m
664	07/31/2015 11:52:10 AM	0.7096 V/m	0.6672 V/m	0.6411 V/m
665	07/31/2015 11:52:20 AM	0.7092 V/m	0.6733 V/m	0.6290 V/m
666	07/31/2015 11:52:30 AM	0.6967 V/m	0.6657 V/m	0.6299 V/m
667	07/31/2015 11:52:40 AM	0.6884 V/m	0.6664 V/m	0.6411 V/m
668	07/31/2015 11:52:50 AM	0.7215 V/m	0.6686 V/m	0.6342 V/m
669	07/31/2015 11:53:00 AM	0.6935 V/m	0.6488 V/m	0.6264 V/m
670	07/31/2015 11:53:10 AM	0.6770 V/m	0.6507 V/m	0.6189 V/m
671	07/31/2015 11:53:20 AM	0.6651 V/m	0.6429 V/m	0.6149 V/m
672	07/31/2015 11:53:30 AM	0.6709 V/m	0.6405 V/m	0.6162 V/m
673	07/31/2015 11:53:40 AM	0.6693 V/m	0.6415 V/m	0.6176 V/m
674	07/31/2015 11:53:50 AM	0.6717 V/m	0.6441 V/m	0.6229 V/m
675	07/31/2015 11:54:00 AM	0.6839 V/m	0.6610 V/m	0.6312 V/m
676	07/31/2015 11:54:10 AM	0.6734 V/m	0.6444 V/m	0.6108 V/m
677	07/31/2015 11:54:20 AM	0.6721 V/m	0.6442 V/m	0.6259 V/m
678	07/31/2015 11:54:30 AM	0.6560 V/m	0.6254 V/m	0.6017 V/m
679	07/31/2015 11:54:40 AM	0.6693 V/m	0.6396 V/m	0.6211 V/m
680	07/31/2015 11:54:50 AM	0.6576 V/m	0.6436 V/m	0.6238 V/m
681	07/31/2015 11:55:00 AM	0.6742 V/m	0.6452 V/m	0.6202 V/m
682	07/31/2015 11:55:10 AM	0.6899 V/m	0.6501 V/m	0.6175 V/m
683	07/31/2015 11:55:20 AM	0.6717 V/m	0.6493 V/m	0.6299 V/m
684	07/31/2015 11:55:30 AM	0.6742 V/m	0.6479 V/m	0.6286 V/m



685	07/31/2015 11:55:40 AM	0.6651 V/m	0.6495 V/m	0.6360 V/m
686	07/31/2015 11:55:50 AM	0.6963 V/m	0.6611 V/m	0.6325 V/m
687	07/31/2015 11:56:00 AM	0.7080 V/m	0.6719 V/m	0.6467 V/m
688	07/31/2015 11:56:10 AM	0.6979 V/m	0.6721 V/m	0.6458 V/m
689	07/31/2015 11:56:20 AM	0.6939 V/m	0.6555 V/m	0.6264 V/m
690	07/31/2015 11:56:30 AM	0.6750 V/m	0.6504 V/m	0.6273 V/m
691	07/31/2015 11:56:40 AM	0.6855 V/m	0.6436 V/m	0.6264 V/m
692	07/31/2015 11:56:50 AM	0.6762 V/m	0.6449 V/m	0.6090 V/m
693	07/31/2015 11:57:00 AM	0.6799 V/m	0.6463 V/m	0.6207 V/m
694	07/31/2015 11:57:10 AM	0.6610 V/m	0.6315 V/m	0.6081 V/m
695	07/31/2015 11:57:20 AM	0.6887 V/m	0.6558 V/m	0.6122 V/m
696	07/31/2015 11:57:30 AM	0.6915 V/m	0.6598 V/m	0.6273 V/m
697	07/31/2015 11:57:40 AM	0.6939 V/m	0.6634 V/m	0.6364 V/m
698	07/31/2015 11:57:50 AM	0.6903 V/m	0.6683 V/m	0.6403 V/m
699	07/31/2015 11:58:00 AM	0.6907 V/m	0.6617 V/m	0.6273 V/m
700	07/31/2015 11:58:10 AM	0.6987 V/m	0.6605 V/m	0.6228 V/m
701	07/31/2015 11:58:20 AM	0.6947 V/m	0.6637 V/m	0.6368 V/m
702	07/31/2015 11:58:30 AM	0.7049 V/m	0.6621 V/m	0.6334 V/m
703	07/31/2015 11:58:40 AM	0.7173 V/m	0.6701 V/m	0.6463 V/m
704	07/31/2015 11:58:50 AM	0.6835 V/m	0.6632 V/m	0.6390 V/m
705	07/31/2015 11:59:00 AM	0.7006 V/m	0.6638 V/m	0.6334 V/m
706	07/31/2015 11:59:10 AM	0.6835 V/m	0.6512 V/m	0.6171 V/m
707	07/31/2015 11:59:20 AM	0.6827 V/m	0.6529 V/m	0.6355 V/m
708	07/31/2015 11:59:30 AM	0.6713 V/m	0.6400 V/m	0.6193 V/m
709	07/31/2015 11:59:40 AM	0.6593 V/m	0.6353 V/m	0.6171 V/m
710	07/31/2015 11:59:50 AM	0.6713 V/m	0.6378 V/m	0.6215 V/m
711	07/31/2015 12:00:00 PM	0.6819 V/m	0.6453 V/m	0.6135 V/m
712	07/31/2015 12:00:10 PM	0.6899 V/m	0.6528 V/m	0.6281 V/m
713	07/31/2015 12:00:20 PM	0.6770 V/m	0.6463 V/m	0.6162 V/m
714	07/31/2015 12:00:30 PM	0.7321 V/m	0.6597 V/m	0.6264 V/m
715	07/31/2015 12:00:40 PM	0.6907 V/m	0.6596 V/m	0.6368 V/m
716	07/31/2015 12:00:50 PM	0.6552 V/m	0.6318 V/m	0.6135 V/m
717	07/31/2015 12:01:00 PM	0.6721 V/m	0.6421 V/m	0.6260 V/m
718	07/31/2015 12:01:10 PM	0.7045 V/m	0.6649 V/m	0.6338 V/m
719	07/31/2015 12:01:20 PM	0.6963 V/m	0.6502 V/m	0.6237 V/m
720	07/31/2015 12:01:30 PM	0.6986 V/m	0.6589 V/m	0.6290 V/m



Number of Sub Indices	720
Storing Date	07/31/2015
Storing Time	10:01:30 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	06/10/2017
Probe Product Name	EF0391
Probe Serial Number	A-0636
Probe Cal Due Date	06/15/2017
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 zachodnim



Fot. 2. Rejon badań, widok w kierunku południowym



Fot. 3. Rejon badań, widok w kierunku północni-wschodnim



Fot. 4. Przyrząd pomiarowy w trakcie wykonywanego badania



CZĘSTOCHOWA

Oznaczenia:

- P-2 – punkt pomiarowy poziomów pól elektromagnetycznych w środowisku

Ryc. Szkic sytuacyjny rejonu badań.