Wojewódzki Inspektorat Ochrony Środowiska w Katowicach
Pracownia Analiz Manualnych, Instrumentalnych, Hydrobiologicznych, Mikrobiologicznych oraz Pomiarów Terenowych i Pobierania Próbek w Bielsku-Białej
43-316 Bielsko-Biała, ul. Partyzantów 117; fax: (33) 812-49-30; tel: (33) 812-30-37, (33) 812-44-92
e-mail: bielsko@katowice.pios.gov.pl

SPRAWOZDANIE Z MONITORINGOWEGO POMIARU PÓL ELEKTROMAGNETYCZNYCH nr: 581/2012

Instalacja: BT-24355, BTS-50371.06, WOD2001A

Miejsce pomiarów: P-1, Wodzisław Śląski, Rynek;

Temat: Pomiary monitoringowe poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku;

Data oraz godzina wykonania pomiarów: 04.10.2012, godzina 10:05-12:05;

Pora wykonania pomiarów : dnia.

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).

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 centrum miasta Wodzisław Ślaski, w rozumieniu wytycznych Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. (Dz. U. Nr 221, Poz. 1645), w ramach programu Państwowego Monitoringu Środowiska, 2012.

3. TEREN BADAŃ

Punkt pomiarowy P-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Wodzisław Śląski, w ścisłym centrum u wlotu ulicy Opolskiego na rynek miasta. Zgodnie z obowiązującym Rozporządzeniem wysokość posadowienia sondy pomiarowej wyniosła h: 2 m n.p.t. W najbliższym sąsiedztwie punktu pomiarowego P-1, zagospodarowanie terenu stanowi zwarta zabudowa mieszkaniowa wielorodzinna dwu, trzykondygnacyjna z funkcją usługowo-handlową. Runek miasta pełni także funkcję rekreacyjną, płyta rynku zagospodarowana jest poprzez małą architekturę taką jak ławki, fontanna itp. Najbliższy położony względem punktu pomiarowego obiekt budowlany – budynek nr 19, oddalony o około 12 m znajduje się w kierunku północnym. W kierunku wschodnim i zachodnim najbliższa zabudowa oddalona jest od P-1 o około 65 m.
W kierunku wschodnim około 130 m od P-1, na dachu sześciokondygnacyjnego budynku znajdują się instalacje radiokomunikacyjne – stacje bazowe telefonii komórkowych.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

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

Nomenklatura jednostki terytorialnej (NTS):

Wodzisław Śląski 5.2.24.49.15.04.1

Współrzędne geogr. (GPS) punktu pomiarowego poziomów pól elektromagnetycznych w środowisku:
N 50°0'10.3";
E 18°27'46.0";

Wysokość lokalizacji punktu pomiarowego:

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

Odległości punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych - wielorodzinnych zlokalizowanej w pobliżu przekroju pomiarowego poziomów pól w środowisku:

l = 12 [m] - od elewacji budynku mieszkalnego wielorodzinnego - Rynek 19

Lokalizacja punktu pomiarowego – w północnej części rynku miasta, u wlotu ulicy Opolskiego, w pasie zieleni niskiej pomiędzy jezdnią uliczki okalającej rynek a płytą główną rynku.

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 anemometru Kestrel 4500.
Szczegółowe dane identyfikacyjne przyrządów przedstawiono w tabeli 1:

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-0777
Producent: Narda Safety Test Solutions GmbH, Niemcy;

Typ: EF0391, E-Field
P/N: 2402/01
S/N: A-0882
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

Czujnik pomiaru ciśnienia

Termohigrometr

Anemometr stacji meteo</td><td>Typ: KESTREL 4500
S. no.: 598799
Producent: Nielsen-Kellerman</td></tr>
<tr><td>Data i czasokres pomiarów</td><td>04-10-2012 r.
10:05:37–12:05:37</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td></td><td></td><td>T [°C]</td><td>17,6 – 22,8</td></tr>
<tr><td></td><td></td><td>RH [%]</td><td>36,4 – 49,2</td></tr>
<tr><td>Częstotliwość próbkowania</td><td>f: 10 sec.</td><td colspan="2">UWAGI:
Bezchmurnie;
Brak opadów atmosferycznych</td></tr>
</table>

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-0777:

  - *Calibration Certificate* No. NBM-550-B-0777-090806-1121, z dn. 06.08.2009 r., wystawione przez Narda Safety Solutions GmbH, Niemcy;

- Probe EF0391, *E-Field*, P/N 2402/01, S/N A-0882:

  - *Calibration Certificate* No. 240201-A0882-090803-02359, z dn. 03.08.2009 r., wystawione przez Narda Safety Solutions GmbH, Niemcy;

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 około 130 m od punktu pomiarowego P-1, w kierunku północno-wschodnim, znajduje się sześciokondygnacyjny budynek biurowy przy ul. św. Jana 16, na duchu którego zainstalowano anteny nadawczo-odbiorcze stacji bazowych telefonii komórkowej, należące do trzech operatorów: Polkomtel S.A., Polska Telefonia Cyfrowa Sp. z o.o. oraz P4 Sp. z o.o. W tabelach 2,3,4 przedstawiono wyspecyfikowane parametry instalacji, zebrane na podstawie materiałów uzyskanych od operatorów oraz Urzędu Miasta Wodzisław Śląski.

Tabela 2

<u>Zarządzający instalacją</u>:
Polkomtel S.A.
ul. Postępu 3,
02-676 Warszawa,

<u>Nazwa instalacji wg nomenklatury użytkownika:</u>
Stacja bazowa nr: **BT-24355**

<u>Lokalizacja:</u>
Dach budynku biurowego przy ul. św. Jana 16.

Lp.	**Azymut** [^{0}]	**Typ anteny**	**Pasmo (system) pracy [MHz]**	**Wysokość zawieszenia H [m] n.p.t.**	**EIRP $_{max}$ [W]**
1.	60	Antena sektorowa K742271	900 (GSM) 2100 (UMTS)	34,0	726,1 719,4 Łącznie: 1445,5
2.	180	Antena sektorowa K742271	900 (GSM) 2100 (UMTS)	34,0	726,1 719,4 Łącznie: 1445,5
3.	300	Antena sektorowa K742271	900 (GSM) 2100 (UMTS)	34,0	726,1 719,4 Łącznie: 1445,5

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **4 336,5** [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 **BTS-50371.06**

Lokalizacja:
Dach budynku biurowego przy ul. św. Jana 16.

Lp.	Azymut [^{0}]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.
1.	100	Anteny sektorowe K742215	2100 (UMTS)	27,2
2.	100	Anteny sektorowe K742264	1800 (DCS) 900 (GSM)	28,2
3.	200	Anteny sektorowe K742215	2100 (UMTS)	28,2
4.	200	Anteny sektorowe K742264	1800 (DCS) 900 (GSM)	28,2
5.	330	Anteny sektorowe K742215	2100 (UMTS)	28,2
6.	330	Anteny sektorowe K742264	1800 (DCS) 900 (GSM)	27,2

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **7 163** [W].

Tabela 4

<u>Zarządzający instalacją</u>:
P4 Sp. z o.o.
ul. Taśmowa 7,
02-677 Warszawa

<u>Nazwa instalacji wg nomenklatury użytkownika:</u>
Stacja bazowa nr **WOD2001A**

<u>Lokalizacja:</u>
Dach budynku biurowego przy ul. św. Jana 16.

Lp.	**Azymut** [^{0}]	**Typ anteny**	**Pasmo (system) pracy [MHz]**	**Wysokość zawieszenia H [m] n.p.t.**	**EIRP $_{max}$ [W]**
1.	20	Antena sektorowa K80010304	900 (GSM)	26,9	602
2.	140	Antena sektorowa K80010304	900 (GSM)	23,9	602
3.	250	Antena sektorowa K80010304	900 (GSM)	23,9	602
4.	50	Antena sektorowa K7442215	2100 (UMTS)	26,9	1200
5.	140	Antena sektorowa K7442215	2100 (UMTS)	23,9	1200
6.	230	Antena sektorowa K7442215	2100 (UMTS)	23,9	1200
7.	320	Antena sektorowa K7442215	2100 (UMTS)	23,9	1200

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **5 406** [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 Rynek miasta Dzielnica – Śródmieście Miasto – Wodzisław Śląski	0,47	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.*

Data wydania:		
Pomiary i sprawozdanie wykonał:	**Sprawozdanie autoryzował:**	**Zatwierdził:**
……...	…….....	…….....

narda Safety Test Solutions
an L3 Communications Company

Test Report

Date 10/04/2012
Time 10:05:37 AM

Załącznik nr 1 do Sprawozdania z badań nr 581/2012

Instrument / Site

Meter	Probe	
Model: NBM-550 S/N: B-0777	Model: EF0391 S/N: A-0882	
Calibration Due Date 08/06/2011	Calibration Due Date 08/03/2011	

Site	Coordinates
P-1 Rynek Miasto – Wodzisław Śląski Powiat – wodzisławski Województwo - śląskie	Latitude: 50°0'10.3" N Longitude: 18°27'46.0" E

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 04.10.2012 r., Wodzisław Śląski, 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 2012 rok

Measured Values

Zoomed

Timer: Start Time 10:05:37 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	10/04/2012 10:05:47 AM		0.5648 V/m	0.5284 V/m	0.5055 V/m
2	10/04/2012 10:05:57 AM		0.5721 V/m	0.5360 V/m	0.5000 V/m
3	10/04/2012 10:06:07 AM		0.5629 V/m	0.5289 V/m	0.4799 V/m
4	10/04/2012 10:06:17 AM		0.5881 V/m	0.5569 V/m	0.5313 V/m
5	10/04/2012 10:06:27 AM		0.5978 V/m	0.5592 V/m	0.5272 V/m
6	10/04/2012 10:06:37 AM		0.5782 V/m	0.5473 V/m	0.5188 V/m
7	10/04/2012 10:06:47 AM		0.6308 V/m	0.5709 V/m	0.5405 V/m
8	10/04/2012 10:06:57 AM		0.6212 V/m	0.5962 V/m	0.5609 V/m
9	10/04/2012 10:07:07 AM		0.5820 V/m	0.5643 V/m	0.5405 V/m
10	10/04/2012 10:07:17 AM		0.5806 V/m	0.5619 V/m	0.5329 V/m
11	10/04/2012 10:07:27 AM		0.6055 V/m	0.5695 V/m	0.5370 V/m
12	10/04/2012 10:07:37 AM		0.5782 V/m	0.5486 V/m	0.5135 V/m
13	10/04/2012 10:07:47 AM		0.5638 V/m	0.5392 V/m	0.4967 V/m
14	10/04/2012 10:07:57 AM		0.5653 V/m	0.5429 V/m	0.5178 V/m
15	10/04/2012 10:08:07 AM		0.5565 V/m	0.5358 V/m	0.5065 V/m
16	10/04/2012 10:08:17 AM		0.5441 V/m	0.5150 V/m	0.4867 V/m
17	10/04/2012 10:08:27 AM		0.5739 V/m	0.5191 V/m	0.4811 V/m
18	10/04/2012 10:08:37 AM		0.5932 V/m	0.5271 V/m	0.4684 V/m
19	10/04/2012 10:08:47 AM		0.5692 V/m	0.5237 V/m	0.4833 V/m
20	10/04/2012 10:08:57 AM		0.5653 V/m	0.5171 V/m	0.4742 V/m
21	10/04/2012 10:09:07 AM		0.5506 V/m	0.5066 V/m	0.4553 V/m
22	10/04/2012 10:09:17 AM		0.5390 V/m	0.5131 V/m	0.4906 V/m
23	10/04/2012 10:09:27 AM		0.5298 V/m	0.5092 V/m	0.4833 V/m
24	10/04/2012 10:09:37 AM		0.5114 V/m	0.4880 V/m	0.4553 V/m
25	10/04/2012 10:09:47 AM		0.5044 V/m	0.4838 V/m	0.4577 V/m
26	10/04/2012 10:09:57 AM		0.5178 V/m	0.4821 V/m	0.4565 V/m
27	10/04/2012 10:10:07 AM		0.5162 V/m	0.4947 V/m	0.4643 V/m
28	10/04/2012 10:10:17 AM		0.5049 V/m	0.4847 V/m	0.4583 V/m
29	10/04/2012 10:10:27 AM		0.5511 V/m	0.5033 V/m	0.4736 V/m
30	10/04/2012 10:10:37 AM		0.5277 V/m	0.4913 V/m	0.4637 V/m
31	10/04/2012 10:10:47 AM		0.5194 V/m	0.4878 V/m	0.4499 V/m
32	10/04/2012 10:10:57 AM		0.5017 V/m	0.4769 V/m	0.4571 V/m
33	10/04/2012 10:11:07 AM		0.5172 V/m	0.4964 V/m	0.4660 V/m
34	10/04/2012 10:11:17 AM		0.5385 V/m	0.5059 V/m	0.4713 V/m
35	10/04/2012 10:11:27 AM		0.5456 V/m	0.5163 V/m	0.4713 V/m
36	10/04/2012 10:11:37 AM		0.5461 V/m	0.5144 V/m	0.4759 V/m
37	10/04/2012 10:11:47 AM		0.5692 V/m	0.5162 V/m	0.4753 V/m
38	10/04/2012 10:11:57 AM		0.5653 V/m	0.5107 V/m	0.4839 V/m
39	10/04/2012 10:12:07 AM		0.5157 V/m	0.4896 V/m	0.4631 V/m
40	10/04/2012 10:12:17 AM		0.5436 V/m	0.5129 V/m	0.4770 V/m
41	10/04/2012 10:12:27 AM		0.5230 V/m	0.4904 V/m	0.4571 V/m
42	10/04/2012 10:12:37 AM		0.5071 V/m	0.4838 V/m	0.4607 V/m
43	10/04/2012 10:12:47 AM		0.5220 V/m	0.4946 V/m	0.4672 V/m
44	10/04/2012 10:12:57 AM		0.5225 V/m	0.4835 V/m	0.4583 V/m
45	10/04/2012 10:13:07 AM		0.5087 V/m	0.4815 V/m	0.4553 V/m
46	10/04/2012 10:13:17 AM		0.5109 V/m	0.4823 V/m	0.4583 V/m
47	10/04/2012 10:13:27 AM		0.5277 V/m	0.4863 V/m	0.4553 V/m
48	10/04/2012 10:13:37 AM		0.5370 V/m	0.5027 V/m	0.4724 V/m

49	10/04/2012 10:13:47 AM	0.5022 V/m	0.4827 V/m	0.4625 V/m
50	10/04/2012 10:13:57 AM	0.5220 V/m	0.5042 V/m	0.4811 V/m
51	10/04/2012 10:14:07 AM	0.5082 V/m	0.4759 V/m	0.4571 V/m
52	10/04/2012 10:14:17 AM	0.5049 V/m	0.4770 V/m	0.4553 V/m
53	10/04/2012 10:14:27 AM	0.5545 V/m	0.5013 V/m	0.4577 V/m
54	10/04/2012 10:14:37 AM	0.5256 V/m	0.4984 V/m	0.4643 V/m
55	10/04/2012 10:14:47 AM	0.5256 V/m	0.4926 V/m	0.4666 V/m
56	10/04/2012 10:14:57 AM	0.5114 V/m	0.4771 V/m	0.4511 V/m
57	10/04/2012 10:15:07 AM	0.4951 V/m	0.4751 V/m	0.4499 V/m
58	10/04/2012 10:15:17 AM	0.4973 V/m	0.4758 V/m	0.4571 V/m
59	10/04/2012 10:15:27 AM	0.5076 V/m	0.4760 V/m	0.4481 V/m
60	10/04/2012 10:15:37 AM	0.5028 V/m	0.4822 V/m	0.4666 V/m
61	10/04/2012 10:15:47 AM	0.5251 V/m	0.4867 V/m	0.4547 V/m
62	10/04/2012 10:15:57 AM	0.5339 V/m	0.5082 V/m	0.4707 V/m
63	10/04/2012 10:16:07 AM	0.4989 V/m	0.4756 V/m	0.4432 V/m
64	10/04/2012 10:16:17 AM	0.5038 V/m	0.4777 V/m	0.4475 V/m
65	10/04/2012 10:16:27 AM	0.5380 V/m	0.4908 V/m	0.4619 V/m
66	10/04/2012 10:16:37 AM	0.5324 V/m	0.5081 V/m	0.4649 V/m
67	10/04/2012 10:16:47 AM	0.5431 V/m	0.5015 V/m	0.4637 V/m
68	10/04/2012 10:16:57 AM	0.5006 V/m	0.4755 V/m	0.4553 V/m
69	10/04/2012 10:17:07 AM	0.4878 V/m	0.4628 V/m	0.4456 V/m
70	10/04/2012 10:17:17 AM	0.5130 V/m	0.4875 V/m	0.4607 V/m
71	10/04/2012 10:17:27 AM	0.5677 V/m	0.4904 V/m	0.4577 V/m
72	10/04/2012 10:17:37 AM	0.5087 V/m	0.4759 V/m	0.4481 V/m
73	10/04/2012 10:17:47 AM	0.5109 V/m	0.4797 V/m	0.4583 V/m
74	10/04/2012 10:17:57 AM	0.4828 V/m	0.4578 V/m	0.4287 V/m
75	10/04/2012 10:18:07 AM	0.4862 V/m	0.4691 V/m	0.4469 V/m
76	10/04/2012 10:18:17 AM	0.4672 V/m	0.4301 V/m	0.4031 V/m
77	10/04/2012 10:18:27 AM	0.4759 V/m	0.4407 V/m	0.4125 V/m
78	10/04/2012 10:18:37 AM	0.4912 V/m	0.4626 V/m	0.4450 V/m
79	10/04/2012 10:18:47 AM	0.4956 V/m	0.4720 V/m	0.4450 V/m
80	10/04/2012 10:18:57 AM	0.4912 V/m	0.4633 V/m	0.4294 V/m
81	10/04/2012 10:19:07 AM	0.4719 V/m	0.4497 V/m	0.4197 V/m
82	10/04/2012 10:19:17 AM	0.4867 V/m	0.4487 V/m	0.4203 V/m
83	10/04/2012 10:19:27 AM	0.4984 V/m	0.4598 V/m	0.4313 V/m
84	10/04/2012 10:19:37 AM	0.4989 V/m	0.4602 V/m	0.4255 V/m
85	10/04/2012 10:19:47 AM	0.4822 V/m	0.4602 V/m	0.4300 V/m
86	10/04/2012 10:19:57 AM	0.4956 V/m	0.4765 V/m	0.4566 V/m
87	10/04/2012 10:20:07 AM	0.5157 V/m	0.4734 V/m	0.4499 V/m
88	10/04/2012 10:20:17 AM	0.4753 V/m	0.4545 V/m	0.4319 V/m
89	10/04/2012 10:20:27 AM	0.4713 V/m	0.4519 V/m	0.4111 V/m
90	10/04/2012 10:20:37 AM	0.4736 V/m	0.4474 V/m	0.4145 V/m
91	10/04/2012 10:20:47 AM	0.4736 V/m	0.4531 V/m	0.4216 V/m
92	10/04/2012 10:20:57 AM	0.4918 V/m	0.4612 V/m	0.4325 V/m
93	10/04/2012 10:21:07 AM	0.4589 V/m	0.4395 V/m	0.4138 V/m
94	10/04/2012 10:21:17 AM	0.4595 V/m	0.4374 V/m	0.4105 V/m
95	10/04/2012 10:21:27 AM	0.4856 V/m	0.4584 V/m	0.4262 V/m
96	10/04/2012 10:21:37 AM	0.4918 V/m	0.4612 V/m	0.4344 V/m
97	10/04/2012 10:21:47 AM	0.4901 V/m	0.4490 V/m	0.4210 V/m
98	10/04/2012 10:21:57 AM	0.4684 V/m	0.4306 V/m	0.3997 V/m
99	10/04/2012 10:22:07 AM	0.5225 V/m	0.4738 V/m	0.4281 V/m
100	10/04/2012 10:22:17 AM	0.4619 V/m	0.4442 V/m	0.4197 V/m
101	10/04/2012 10:22:27 AM	0.4643 V/m	0.4337 V/m	0.4105 V/m
102	10/04/2012 10:22:37 AM	0.5246 V/m	0.4747 V/m	0.4058 V/m
103	10/04/2012 10:22:47 AM	0.4799 V/m	0.4412 V/m	0.4105 V/m

104	10/04/2012 10:22:57 AM	0.4742 V/m	0.4374 V/m	0.3997 V/m
105	10/04/2012 10:23:07 AM	0.4967 V/m	0.4411 V/m	0.4125 V/m
106	10/04/2012 10:23:17 AM	0.5486 V/m	0.4622 V/m	0.4158 V/m
107	10/04/2012 10:23:27 AM	0.4828 V/m	0.4515 V/m	0.4294 V/m
108	10/04/2012 10:23:37 AM	0.4951 V/m	0.4510 V/m	0.4164 V/m
109	10/04/2012 10:23:47 AM	0.4984 V/m	0.4758 V/m	0.4388 V/m
110	10/04/2012 10:23:57 AM	0.5262 V/m	0.4799 V/m	0.4294 V/m
111	10/04/2012 10:24:07 AM	0.5039 V/m	0.4575 V/m	0.4112 V/m
112	10/04/2012 10:24:17 AM	0.5071 V/m	0.4715 V/m	0.4171 V/m
113	10/04/2012 10:24:27 AM	0.5162 V/m	0.4753 V/m	0.4338 V/m
114	10/04/2012 10:24:37 AM	0.5066 V/m	0.4720 V/m	0.4407 V/m
115	10/04/2012 10:24:47 AM	0.5098 V/m	0.4661 V/m	0.4357 V/m
116	10/04/2012 10:24:57 AM	0.4742 V/m	0.4540 V/m	0.4287 V/m
117	10/04/2012 10:25:07 AM	0.4701 V/m	0.4516 V/m	0.4210 V/m
118	10/04/2012 10:25:17 AM	0.4560 V/m	0.4355 V/m	0.4197 V/m
119	10/04/2012 10:25:27 AM	0.4912 V/m	0.4649 V/m	0.4351 V/m
120	10/04/2012 10:25:37 AM	0.5135 V/m	0.4752 V/m	0.4432 V/m
121	10/04/2012 10:25:47 AM	0.5395 V/m	0.4817 V/m	0.4275 V/m
122	10/04/2012 10:25:57 AM	0.5643 V/m	0.4924 V/m	0.4281 V/m
123	10/04/2012 10:26:07 AM	0.4759 V/m	0.4490 V/m	0.4184 V/m
124	10/04/2012 10:26:17 AM	0.4765 V/m	0.4479 V/m	0.4300 V/m
125	10/04/2012 10:26:27 AM	0.4660 V/m	0.4449 V/m	0.4268 V/m
126	10/04/2012 10:26:37 AM	0.5225 V/m	0.4729 V/m	0.4204 V/m
127	10/04/2012 10:26:47 AM	0.5162 V/m	0.4736 V/m	0.4230 V/m
128	10/04/2012 10:26:57 AM	0.4684 V/m	0.4426 V/m	0.4164 V/m
129	10/04/2012 10:27:07 AM	0.4962 V/m	0.4754 V/m	0.4450 V/m
130	10/04/2012 10:27:17 AM	0.5360 V/m	0.4940 V/m	0.4382 V/m
131	10/04/2012 10:27:27 AM	0.5141 V/m	0.4632 V/m	0.4191 V/m
132	10/04/2012 10:27:37 AM	0.4759 V/m	0.4404 V/m	0.4038 V/m
133	10/04/2012 10:27:47 AM	0.4940 V/m	0.4594 V/m	0.4242 V/m
134	10/04/2012 10:27:57 AM	0.4890 V/m	0.4551 V/m	0.4382 V/m
135	10/04/2012 10:28:07 AM	0.4572 V/m	0.4310 V/m	0.4051 V/m
136	10/04/2012 10:28:17 AM	0.4754 V/m	0.4378 V/m	0.4085 V/m
137	10/04/2012 10:28:27 AM	0.4542 V/m	0.4310 V/m	0.4085 V/m
138	10/04/2012 10:28:37 AM	0.4788 V/m	0.4376 V/m	0.4098 V/m
139	10/04/2012 10:28:47 AM	0.4542 V/m	0.4298 V/m	0.4078 V/m
140	10/04/2012 10:28:57 AM	0.4839 V/m	0.4545 V/m	0.4191 V/m
141	10/04/2012 10:29:07 AM	0.4989 V/m	0.4683 V/m	0.4376 V/m
142	10/04/2012 10:29:17 AM	0.5246 V/m	0.4714 V/m	0.4287 V/m
143	10/04/2012 10:29:27 AM	0.4918 V/m	0.4485 V/m	0.4210 V/m
144	10/04/2012 10:29:37 AM	0.4661 V/m	0.4399 V/m	0.4171 V/m
145	10/04/2012 10:29:47 AM	0.4839 V/m	0.4425 V/m	0.4044 V/m
146	10/04/2012 10:29:57 AM	0.4655 V/m	0.4380 V/m	0.4145 V/m
147	10/04/2012 10:30:07 AM	0.4469 V/m	0.4228 V/m	0.3676 V/m
148	10/04/2012 10:30:17 AM	0.4548 V/m	0.4307 V/m	0.4164 V/m
149	10/04/2012 10:30:27 AM	0.4719 V/m	0.4424 V/m	0.4177 V/m
150	10/04/2012 10:30:37 AM	0.4759 V/m	0.4476 V/m	0.4230 V/m
151	10/04/2012 10:30:47 AM	0.4879 V/m	0.4534 V/m	0.4138 V/m
152	10/04/2012 10:30:57 AM	0.5230 V/m	0.4859 V/m	0.4191 V/m
153	10/04/2012 10:31:07 AM	0.4578 V/m	0.4288 V/m	0.4065 V/m
154	10/04/2012 10:31:17 AM	0.4607 V/m	0.4300 V/m	0.4085 V/m
155	10/04/2012 10:31:27 AM	0.4529 V/m	0.4284 V/m	0.4038 V/m
156	10/04/2012 10:31:37 AM	0.4601 V/m	0.4322 V/m	0.3935 V/m
157	10/04/2012 10:31:47 AM	0.4678 V/m	0.4470 V/m	0.4230 V/m
158	10/04/2012 10:31:57 AM	0.4736 V/m	0.4407 V/m	0.4158 V/m

159	10/04/2012 10:32:07 AM	0.4523 V/m	0.4311 V/m	0.4131 V/m
160	10/04/2012 10:32:17 AM	0.4748 V/m	0.4567 V/m	0.4223 V/m
161	10/04/2012 10:32:27 AM	0.5001 V/m	0.4690 V/m	0.4469 V/m
162	10/04/2012 10:32:37 AM	0.5183 V/m	0.4378 V/m	0.3956 V/m
163	10/04/2012 10:32:47 AM	0.5476 V/m	0.4519 V/m	0.4065 V/m
164	10/04/2012 10:32:57 AM	0.4890 V/m	0.4486 V/m	0.4236 V/m
165	10/04/2012 10:33:07 AM	0.4850 V/m	0.4598 V/m	0.4151 V/m
166	10/04/2012 10:33:17 AM	0.5082 V/m	0.4807 V/m	0.4395 V/m
167	10/04/2012 10:33:27 AM	0.4951 V/m	0.4484 V/m	0.4223 V/m
168	10/04/2012 10:33:37 AM	0.4945 V/m	0.4468 V/m	0.4178 V/m
169	10/04/2012 10:33:47 AM	0.5077 V/m	0.4651 V/m	0.4275 V/m
170	10/04/2012 10:33:57 AM	0.5272 V/m	0.4759 V/m	0.4243 V/m
171	10/04/2012 10:34:07 AM	0.4684 V/m	0.4460 V/m	0.4243 V/m
172	10/04/2012 10:34:17 AM	0.4833 V/m	0.4460 V/m	0.4210 V/m
173	10/04/2012 10:34:27 AM	0.4560 V/m	0.4391 V/m	0.4085 V/m
174	10/04/2012 10:34:37 AM	0.4978 V/m	0.4684 V/m	0.4493 V/m
175	10/04/2012 10:34:47 AM	0.4945 V/m	0.4620 V/m	0.4236 V/m
176	10/04/2012 10:34:57 AM	0.4856 V/m	0.4586 V/m	0.4268 V/m
177	10/04/2012 10:35:07 AM	0.4619 V/m	0.4300 V/m	0.4125 V/m
178	10/04/2012 10:35:17 AM	0.4934 V/m	0.4571 V/m	0.4294 V/m
179	10/04/2012 10:35:27 AM	0.4845 V/m	0.4638 V/m	0.4363 V/m
180	10/04/2012 10:35:37 AM	0.4923 V/m	0.4466 V/m	0.4158 V/m
181	10/04/2012 10:35:47 AM	0.4294 V/m	0.4169 V/m	0.4003 V/m
182	10/04/2012 10:35:57 AM	0.4672 V/m	0.4362 V/m	0.4131 V/m
183	10/04/2012 10:36:07 AM	0.5006 V/m	0.4376 V/m	0.4038 V/m
184	10/04/2012 10:36:17 AM	0.4719 V/m	0.4308 V/m	0.3949 V/m
185	10/04/2012 10:36:27 AM	0.5066 V/m	0.4458 V/m	0.4038 V/m
186	10/04/2012 10:36:37 AM	0.4481 V/m	0.4267 V/m	0.4085 V/m
187	10/04/2012 10:36:47 AM	0.4481 V/m	0.4233 V/m	0.3997 V/m
188	10/04/2012 10:36:57 AM	0.4554 V/m	0.4326 V/m	0.4044 V/m
189	10/04/2012 10:37:07 AM	0.4499 V/m	0.4359 V/m	0.4164 V/m
190	10/04/2012 10:37:17 AM	0.4456 V/m	0.4276 V/m	0.3997 V/m
191	10/04/2012 10:37:27 AM	0.4625 V/m	0.4384 V/m	0.4112 V/m
192	10/04/2012 10:37:37 AM	0.4918 V/m	0.4539 V/m	0.4326 V/m
193	10/04/2012 10:37:47 AM	0.5055 V/m	0.4507 V/m	0.4230 V/m
194	10/04/2012 10:37:57 AM	0.4637 V/m	0.4436 V/m	0.4281 V/m
195	10/04/2012 10:38:07 AM	0.4536 V/m	0.4378 V/m	0.4125 V/m
196	10/04/2012 10:38:17 AM	0.4759 V/m	0.4397 V/m	0.4191 V/m
197	10/04/2012 10:38:27 AM	0.4817 V/m	0.4467 V/m	0.4178 V/m
198	10/04/2012 10:38:37 AM	0.4631 V/m	0.4452 V/m	0.4158 V/m
199	10/04/2012 10:38:47 AM	0.4940 V/m	0.4622 V/m	0.4357 V/m
200	10/04/2012 10:38:57 AM	0.4839 V/m	0.4583 V/m	0.4370 V/m
201	10/04/2012 10:39:07 AM	0.5000 V/m	0.4493 V/m	0.3983 V/m
202	10/04/2012 10:39:17 AM	0.4487 V/m	0.4293 V/m	0.4004 V/m
203	10/04/2012 10:39:27 AM	0.4754 V/m	0.4218 V/m	0.3886 V/m
204	10/04/2012 10:39:37 AM	0.4444 V/m	0.4238 V/m	0.4112 V/m
205	10/04/2012 10:39:47 AM	0.4782 V/m	0.4451 V/m	0.4158 V/m
206	10/04/2012 10:39:57 AM	0.4690 V/m	0.4403 V/m	0.4132 V/m
207	10/04/2012 10:40:07 AM	0.4696 V/m	0.4401 V/m	0.4151 V/m
208	10/04/2012 10:40:17 AM	0.4672 V/m	0.4487 V/m	0.4300 V/m
209	10/04/2012 10:40:27 AM	0.5375 V/m	0.4995 V/m	0.4607 V/m
210	10/04/2012 10:40:37 AM	0.5298 V/m	0.5057 V/m	0.4666 V/m
211	10/04/2012 10:40:47 AM	0.5380 V/m	0.4970 V/m	0.4590 V/m
212	10/04/2012 10:40:57 AM	0.5044 V/m	0.4781 V/m	0.4625 V/m
213	10/04/2012 10:41:07 AM	0.5098 V/m	0.4766 V/m	0.4493 V/m

214	10/04/2012 10:41:17 AM	0.5151 V/m	0.4815 V/m	0.4584 V/m
215	10/04/2012 10:41:27 AM	0.4845 V/m	0.4616 V/m	0.4426 V/m
216	10/04/2012 10:41:37 AM	0.4788 V/m	0.4534 V/m	0.4307 V/m
217	10/04/2012 10:41:47 AM	0.5017 V/m	0.4832 V/m	0.4607 V/m
218	10/04/2012 10:41:57 AM	0.5370 V/m	0.5044 V/m	0.4782 V/m
219	10/04/2012 10:42:07 AM	0.5298 V/m	0.4867 V/m	0.4666 V/m
220	10/04/2012 10:42:17 AM	0.4935 V/m	0.4734 V/m	0.4542 V/m
221	10/04/2012 10:42:27 AM	0.4690 V/m	0.4554 V/m	0.4456 V/m
222	10/04/2012 10:42:37 AM	0.4731 V/m	0.4588 V/m	0.4444 V/m
223	10/04/2012 10:42:47 AM	0.5205 V/m	0.4892 V/m	0.4548 V/m
224	10/04/2012 10:42:57 AM	0.5241 V/m	0.4746 V/m	0.4517 V/m
225	10/04/2012 10:43:07 AM	0.4995 V/m	0.4739 V/m	0.4363 V/m
226	10/04/2012 10:43:17 AM	0.5334 V/m	0.4803 V/m	0.4243 V/m
227	10/04/2012 10:43:27 AM	0.5109 V/m	0.4734 V/m	0.4281 V/m
228	10/04/2012 10:43:37 AM	0.5673 V/m	0.4816 V/m	0.4499 V/m
229	10/04/2012 10:43:47 AM	0.4990 V/m	0.4709 V/m	0.4338 V/m
230	10/04/2012 10:43:57 AM	0.4973 V/m	0.4763 V/m	0.4542 V/m
231	10/04/2012 10:44:07 AM	0.4822 V/m	0.4643 V/m	0.4457 V/m
232	10/04/2012 10:44:17 AM	0.4979 V/m	0.4727 V/m	0.4450 V/m
233	10/04/2012 10:44:27 AM	0.4973 V/m	0.4794 V/m	0.4631 V/m
234	10/04/2012 10:44:37 AM	0.5006 V/m	0.4693 V/m	0.4420 V/m
235	10/04/2012 10:44:47 AM	0.4918 V/m	0.4602 V/m	0.4357 V/m
236	10/04/2012 10:44:57 AM	0.5039 V/m	0.4606 V/m	0.4243 V/m
237	10/04/2012 10:45:07 AM	0.4771 V/m	0.4534 V/m	0.4313 V/m
238	10/04/2012 10:45:17 AM	0.5146 V/m	0.4619 V/m	0.4351 V/m
239	10/04/2012 10:45:27 AM	0.4884 V/m	0.4458 V/m	0.4217 V/m
240	10/04/2012 10:45:37 AM	0.5125 V/m	0.4784 V/m	0.4518 V/m
241	10/04/2012 10:45:47 AM	0.4990 V/m	0.4553 V/m	0.4281 V/m
242	10/04/2012 10:45:57 AM	0.4524 V/m	0.4392 V/m	0.4300 V/m
243	10/04/2012 10:46:07 AM	0.4794 V/m	0.4485 V/m	0.4249 V/m
244	10/04/2012 10:46:17 AM	0.4737 V/m	0.4605 V/m	0.4475 V/m
245	10/04/2012 10:46:27 AM	0.4946 V/m	0.4686 V/m	0.4463 V/m
246	10/04/2012 10:46:37 AM	0.5077 V/m	0.4580 V/m	0.4307 V/m
247	10/04/2012 10:46:47 AM	0.4895 V/m	0.4577 V/m	0.4262 V/m
248	10/04/2012 10:46:57 AM	0.4907 V/m	0.4549 V/m	0.4268 V/m
249	10/04/2012 10:47:07 AM	0.5022 V/m	0.4503 V/m	0.4118 V/m
250	10/04/2012 10:47:17 AM	0.4834 V/m	0.4669 V/m	0.4475 V/m
251	10/04/2012 10:47:27 AM	0.5309 V/m	0.4782 V/m	0.4548 V/m
252	10/04/2012 10:47:37 AM	0.5252 V/m	0.4874 V/m	0.4590 V/m
253	10/04/2012 10:47:47 AM	0.4884 V/m	0.4706 V/m	0.4487 V/m
254	10/04/2012 10:47:57 AM	0.5001 V/m	0.4683 V/m	0.4487 V/m
255	10/04/2012 10:48:07 AM	0.5050 V/m	0.4765 V/m	0.4463 V/m
256	10/04/2012 10:48:17 AM	0.5390 V/m	0.5105 V/m	0.4536 V/m
257	10/04/2012 10:48:27 AM	0.4940 V/m	0.4658 V/m	0.4493 V/m
258	10/04/2012 10:48:37 AM	0.5173 V/m	0.4759 V/m	0.4518 V/m
259	10/04/2012 10:48:47 AM	0.5028 V/m	0.4745 V/m	0.4493 V/m
260	10/04/2012 10:48:57 AM	0.5215 V/m	0.4766 V/m	0.4407 V/m
261	10/04/2012 10:49:07 AM	0.5178 V/m	0.4813 V/m	0.4572 V/m
262	10/04/2012 10:49:17 AM	0.5350 V/m	0.5058 V/m	0.4690 V/m
263	10/04/2012 10:49:27 AM	0.5481 V/m	0.5130 V/m	0.4817 V/m
264	10/04/2012 10:49:37 AM	0.5125 V/m	0.4837 V/m	0.4560 V/m
265	10/04/2012 10:49:47 AM	0.4984 V/m	0.4762 V/m	0.4542 V/m
266	10/04/2012 10:49:57 AM	0.4923 V/m	0.4614 V/m	0.4249 V/m
267	10/04/2012 10:50:07 AM	0.4690 V/m	0.4386 V/m	0.4092 V/m
268	10/04/2012 10:50:17 AM	0.4929 V/m	0.4349 V/m	0.4078 V/m

269	10/04/2012 10:50:27 AM	0.4851 V/m	0.4605 V/m	0.4388 V/m
270	10/04/2012 10:50:37 AM	0.4518 V/m	0.4387 V/m	0.4262 V/m
271	10/04/2012 10:50:47 AM	0.4667 V/m	0.4440 V/m	0.4319 V/m
272	10/04/2012 10:50:57 AM	0.4696 V/m	0.4546 V/m	0.4376 V/m
273	10/04/2012 10:51:07 AM	0.4765 V/m	0.4592 V/m	0.4370 V/m
274	10/04/2012 10:51:17 AM	0.4879 V/m	0.4700 V/m	0.4572 V/m
275	10/04/2012 10:51:27 AM	0.5178 V/m	0.4772 V/m	0.4554 V/m
276	10/04/2012 10:51:37 AM	0.5098 V/m	0.4817 V/m	0.4554 V/m
277	10/04/2012 10:51:47 AM	0.5136 V/m	0.4841 V/m	0.4542 V/m
278	10/04/2012 10:51:57 AM	0.4918 V/m	0.4692 V/m	0.4542 V/m
279	10/04/2012 10:52:07 AM	0.4713 V/m	0.4543 V/m	0.4388 V/m
280	10/04/2012 10:52:17 AM	0.4690 V/m	0.4523 V/m	0.4357 V/m
281	10/04/2012 10:52:27 AM	0.4736 V/m	0.4549 V/m	0.4204 V/m
282	10/04/2012 10:52:37 AM	0.4990 V/m	0.4765 V/m	0.4572 V/m
283	10/04/2012 10:52:47 AM	0.4782 V/m	0.4426 V/m	0.4024 V/m
284	10/04/2012 10:52:57 AM	0.4395 V/m	0.4227 V/m	0.3893 V/m
285	10/04/2012 10:53:07 AM	0.4438 V/m	0.4271 V/m	0.4051 V/m
286	10/04/2012 10:53:17 AM	0.6638 V/m	0.4455 V/m	0.4125 V/m
287	10/04/2012 10:53:27 AM	0.4530 V/m	0.4289 V/m	0.4072 V/m
288	10/04/2012 10:53:37 AM	0.4493 V/m	0.4307 V/m	0.4017 V/m
289	10/04/2012 10:53:47 AM	0.4968 V/m	0.4623 V/m	0.4151 V/m
290	10/04/2012 10:53:57 AM	0.5801 V/m	0.4922 V/m	0.4401 V/m
291	10/04/2012 10:54:07 AM	0.4637 V/m	0.4379 V/m	0.4223 V/m
292	10/04/2012 10:54:17 AM	0.4788 V/m	0.4418 V/m	0.4204 V/m
293	10/04/2012 10:54:27 AM	0.4696 V/m	0.4438 V/m	0.4217 V/m
294	10/04/2012 10:54:37 AM	0.5017 V/m	0.4535 V/m	0.4262 V/m
295	10/04/2012 10:54:47 AM	0.7543 V/m	0.5080 V/m	0.4345 V/m
296	10/04/2012 10:54:57 AM	0.5778 V/m	0.4758 V/m	0.4345 V/m
297	10/04/2012 10:55:07 AM	0.5087 V/m	0.4714 V/m	0.4475 V/m
298	10/04/2012 10:55:17 AM	0.5093 V/m	0.4682 V/m	0.4469 V/m
299	10/04/2012 10:55:27 AM	0.4912 V/m	0.4675 V/m	0.4457 V/m
300	10/04/2012 10:55:37 AM	0.5006 V/m	0.4801 V/m	0.4548 V/m
301	10/04/2012 10:55:47 AM	0.5241 V/m	0.4873 V/m	0.4607 V/m
302	10/04/2012 10:55:57 AM	0.4968 V/m	0.4795 V/m	0.4607 V/m
303	10/04/2012 10:56:07 AM	0.5022 V/m	0.4751 V/m	0.4469 V/m
304	10/04/2012 10:56:17 AM	0.5125 V/m	0.4896 V/m	0.4678 V/m
305	10/04/2012 10:56:27 AM	0.5001 V/m	0.4795 V/m	0.4572 V/m
306	10/04/2012 10:56:37 AM	0.5061 V/m	0.4834 V/m	0.4542 V/m
307	10/04/2012 10:56:47 AM	0.4845 V/m	0.4672 V/m	0.4584 V/m
308	10/04/2012 10:56:57 AM	0.5050 V/m	0.4722 V/m	0.4487 V/m
309	10/04/2012 10:57:07 AM	0.5355 V/m	0.4986 V/m	0.4631 V/m
310	10/04/2012 10:57:17 AM	0.5050 V/m	0.4825 V/m	0.4560 V/m
311	10/04/2012 10:57:27 AM	0.4805 V/m	0.4449 V/m	0.4138 V/m
312	10/04/2012 10:57:37 AM	0.5055 V/m	0.4541 V/m	0.4138 V/m
313	10/04/2012 10:57:47 AM	0.5023 V/m	0.4636 V/m	0.4300 V/m
314	10/04/2012 10:57:57 AM	0.5109 V/m	0.4760 V/m	0.4518 V/m
315	10/04/2012 10:58:07 AM	0.5556 V/m	0.5256 V/m	0.4805 V/m
316	10/04/2012 10:58:17 AM	0.5340 V/m	0.5115 V/m	0.4707 V/m
317	10/04/2012 10:58:27 AM	0.5345 V/m	0.5045 V/m	0.4777 V/m
318	10/04/2012 10:58:37 AM	0.5426 V/m	0.5136 V/m	0.4834 V/m
319	10/04/2012 10:58:47 AM	0.5735 V/m	0.5378 V/m	0.4862 V/m
320	10/04/2012 10:58:57 AM	0.5481 V/m	0.5104 V/m	0.4788 V/m
321	10/04/2012 10:59:07 AM	0.5802 V/m	0.5197 V/m	0.4765 V/m
322	10/04/2012 10:59:17 AM	0.5104 V/m	0.4933 V/m	0.4707 V/m
323	10/04/2012 10:59:27 AM	0.5152 V/m	0.4924 V/m	0.4578 V/m

324	10/04/2012 10:59:37 AM	0.5125 V/m	0.4827 V/m	0.4536 V/m
325	10/04/2012 10:59:47 AM	0.5204 V/m	0.4817 V/m	0.4505 V/m
326	10/04/2012 10:59:57 AM	0.4923 V/m	0.4730 V/m	0.4450 V/m
327	10/04/2012 11:00:07 AM	0.5220 V/m	0.4861 V/m	0.4475 V/m
328	10/04/2012 11:00:17 AM	0.5246 V/m	0.4935 V/m	0.4678 V/m
329	10/04/2012 11:00:27 AM	0.5146 V/m	0.4840 V/m	0.4560 V/m
330	10/04/2012 11:00:37 AM	0.5114 V/m	0.4856 V/m	0.4536 V/m
331	10/04/2012 11:00:47 AM	0.5334 V/m	0.4663 V/m	0.4125 V/m
332	10/04/2012 11:00:57 AM	0.5012 V/m	0.4713 V/m	0.4413 V/m
333	10/04/2012 11:01:07 AM	0.5060 V/m	0.4729 V/m	0.4475 V/m
334	10/04/2012 11:01:17 AM	0.5173 V/m	0.4747 V/m	0.4512 V/m
335	10/04/2012 11:01:27 AM	0.5431 V/m	0.5102 V/m	0.4879 V/m
336	10/04/2012 11:01:37 AM	0.5526 V/m	0.4977 V/m	0.4499 V/m
337	10/04/2012 11:01:47 AM	0.5173 V/m	0.4898 V/m	0.4548 V/m
338	10/04/2012 11:01:57 AM	0.5461 V/m	0.4965 V/m	0.4590 V/m
339	10/04/2012 11:02:07 AM	0.5241 V/m	0.5008 V/m	0.4736 V/m
340	10/04/2012 11:02:17 AM	0.5365 V/m	0.4923 V/m	0.4602 V/m
341	10/04/2012 11:02:27 AM	0.5262 V/m	0.4940 V/m	0.4702 V/m
342	10/04/2012 11:02:37 AM	0.5215 V/m	0.4853 V/m	0.4518 V/m
343	10/04/2012 11:02:47 AM	0.5246 V/m	0.4979 V/m	0.4690 V/m
344	10/04/2012 11:02:57 AM	0.5246 V/m	0.4981 V/m	0.4631 V/m
345	10/04/2012 11:03:07 AM	0.5471 V/m	0.5116 V/m	0.4736 V/m
346	10/04/2012 11:03:17 AM	0.5194 V/m	0.4957 V/m	0.4613 V/m
347	10/04/2012 11:03:27 AM	0.5496 V/m	0.5040 V/m	0.4731 V/m
348	10/04/2012 11:03:37 AM	0.5385 V/m	0.4822 V/m	0.4407 V/m
349	10/04/2012 11:03:47 AM	0.5886 V/m	0.5080 V/m	0.4364 V/m
350	10/04/2012 11:03:57 AM	0.5380 V/m	0.4935 V/m	0.4696 V/m
351	10/04/2012 11:04:07 AM	0.5060 V/m	0.4752 V/m	0.4345 V/m
352	10/04/2012 11:04:17 AM	0.4731 V/m	0.4523 V/m	0.4230 V/m
353	10/04/2012 11:04:27 AM	0.4867 V/m	0.4656 V/m	0.4382 V/m
354	10/04/2012 11:04:37 AM	0.5006 V/m	0.4684 V/m	0.4499 V/m
355	10/04/2012 11:04:47 AM	0.5152 V/m	0.4856 V/m	0.4554 V/m
356	10/04/2012 11:04:57 AM	0.5033 V/m	0.4744 V/m	0.4357 V/m
357	10/04/2012 11:05:07 AM	0.5120 V/m	0.4837 V/m	0.4524 V/m
358	10/04/2012 11:05:17 AM	0.4822 V/m	0.4534 V/m	0.4223 V/m
359	10/04/2012 11:05:27 AM	0.4649 V/m	0.4467 V/m	0.4255 V/m
360	10/04/2012 11:05:37 AM	0.5120 V/m	0.4729 V/m	0.4469 V/m
361	10/04/2012 11:05:47 AM	0.4957 V/m	0.4770 V/m	0.4524 V/m
362	10/04/2012 11:05:57 AM	0.4990 V/m	0.4730 V/m	0.4288 V/m
363	10/04/2012 11:06:07 AM	0.4811 V/m	0.4614 V/m	0.4407 V/m
364	10/04/2012 11:06:17 AM	0.5570 V/m	0.4747 V/m	0.4307 V/m
365	10/04/2012 11:06:27 AM	0.5044 V/m	0.4633 V/m	0.4307 V/m
366	10/04/2012 11:06:37 AM	0.4828 V/m	0.4534 V/m	0.4307 V/m
367	10/04/2012 11:06:47 AM	0.4957 V/m	0.4575 V/m	0.4138 V/m
368	10/04/2012 11:06:57 AM	0.5060 V/m	0.4566 V/m	0.4158 V/m
369	10/04/2012 11:07:07 AM	0.4879 V/m	0.4338 V/m	0.4038 V/m
370	10/04/2012 11:07:17 AM	0.4940 V/m	0.4665 V/m	0.4395 V/m
371	10/04/2012 11:07:27 AM	0.5329 V/m	0.5048 V/m	0.4619 V/m
372	10/04/2012 11:07:37 AM	0.5066 V/m	0.4860 V/m	0.4542 V/m
373	10/04/2012 11:07:47 AM	0.5022 V/m	0.4734 V/m	0.4395 V/m
374	10/04/2012 11:07:57 AM	0.5033 V/m	0.4698 V/m	0.4249 V/m
375	10/04/2012 11:08:07 AM	0.4990 V/m	0.4518 V/m	0.4118 V/m
376	10/04/2012 11:08:17 AM	0.5319 V/m	0.4920 V/m	0.4230 V/m
377	10/04/2012 11:08:27 AM	0.5236 V/m	0.5042 V/m	0.4655 V/m
378	10/04/2012 11:08:37 AM	0.5309 V/m	0.5114 V/m	0.4884 V/m

379	10/04/2012 11:08:47 AM	0.5130 V/m	0.4926 V/m	0.4530 V/m
380	10/04/2012 11:08:57 AM	0.5272 V/m	0.4905 V/m	0.4530 V/m
381	10/04/2012 11:09:07 AM	0.4968 V/m	0.4603 V/m	0.4191 V/m
382	10/04/2012 11:09:17 AM	0.5168 V/m	0.4807 V/m	0.4382 V/m
383	10/04/2012 11:09:27 AM	0.5033 V/m	0.4747 V/m	0.4475 V/m
384	10/04/2012 11:09:37 AM	0.4890 V/m	0.4524 V/m	0.4281 V/m
385	10/04/2012 11:09:47 AM	0.6420 V/m	0.4867 V/m	0.4338 V/m
386	10/04/2012 11:09:57 AM	0.4962 V/m	0.4650 V/m	0.4376 V/m
387	10/04/2012 11:10:07 AM	0.4884 V/m	0.4507 V/m	0.4171 V/m
388	10/04/2012 11:10:17 AM	0.5624 V/m	0.4804 V/m	0.4493 V/m
389	10/04/2012 11:10:27 AM	0.5146 V/m	0.4722 V/m	0.4236 V/m
390	10/04/2012 11:10:37 AM	0.5071 V/m	0.4736 V/m	0.4487 V/m
391	10/04/2012 11:10:47 AM	0.4845 V/m	0.4586 V/m	0.4038 V/m
392	10/04/2012 11:10:57 AM	0.5570 V/m	0.4467 V/m	0.3976 V/m
393	10/04/2012 11:11:07 AM	0.4707 V/m	0.4515 V/m	0.3962 V/m
394	10/04/2012 11:11:17 AM	0.4868 V/m	0.4571 V/m	0.4382 V/m
395	10/04/2012 11:11:27 AM	0.4667 V/m	0.4378 V/m	0.3948 V/m
396	10/04/2012 11:11:37 AM	0.4868 V/m	0.4493 V/m	0.4255 V/m
397	10/04/2012 11:11:47 AM	0.4554 V/m	0.4352 V/m	0.4118 V/m
398	10/04/2012 11:11:57 AM	0.4684 V/m	0.4357 V/m	0.3893 V/m
399	10/04/2012 11:12:07 AM	0.4856 V/m	0.4548 V/m	0.4165 V/m
400	10/04/2012 11:12:17 AM	0.4560 V/m	0.4301 V/m	0.4092 V/m
401	10/04/2012 11:12:27 AM	0.4720 V/m	0.4286 V/m	0.3879 V/m
402	10/04/2012 11:12:37 AM	0.4846 V/m	0.4453 V/m	0.4011 V/m
403	10/04/2012 11:12:47 AM	0.5151 V/m	0.4630 V/m	0.4158 V/m
404	10/04/2012 11:12:57 AM	0.5370 V/m	0.4519 V/m	0.3886 V/m
405	10/04/2012 11:13:07 AM	0.4951 V/m	0.4456 V/m	0.3914 V/m
406	10/04/2012 11:13:17 AM	0.5033 V/m	0.4590 V/m	0.4236 V/m
407	10/04/2012 11:13:27 AM	0.4929 V/m	0.4485 V/m	0.4011 V/m
408	10/04/2012 11:13:37 AM	0.5071 V/m	0.4559 V/m	0.4151 V/m
409	10/04/2012 11:13:47 AM	0.4918 V/m	0.4701 V/m	0.4475 V/m
410	10/04/2012 11:13:57 AM	0.4946 V/m	0.4712 V/m	0.4217 V/m
411	10/04/2012 11:14:07 AM	0.4957 V/m	0.4688 V/m	0.4469 V/m
412	10/04/2012 11:14:17 AM	0.5204 V/m	0.4617 V/m	0.4158 V/m
413	10/04/2012 11:14:27 AM	0.4973 V/m	0.4541 V/m	0.4085 V/m
414	10/04/2012 11:14:37 AM	0.4690 V/m	0.4462 V/m	0.4092 V/m
415	10/04/2012 11:14:47 AM	0.4759 V/m	0.4509 V/m	0.4071 V/m
416	10/04/2012 11:14:57 AM	0.4962 V/m	0.4717 V/m	0.4499 V/m
417	10/04/2012 11:15:07 AM	0.5012 V/m	0.4532 V/m	0.4197 V/m
418	10/04/2012 11:15:17 AM	0.4748 V/m	0.4560 V/m	0.4287 V/m
419	10/04/2012 11:15:27 AM	0.5076 V/m	0.4715 V/m	0.4307 V/m
420	10/04/2012 11:15:37 AM	0.4661 V/m	0.4370 V/m	0.3900 V/m
421	10/04/2012 11:15:47 AM	0.4754 V/m	0.4337 V/m	0.3956 V/m
422	10/04/2012 11:15:57 AM	0.4736 V/m	0.4497 V/m	0.3935 V/m
423	10/04/2012 11:16:07 AM	0.4839 V/m	0.4561 V/m	0.4268 V/m
424	10/04/2012 11:16:17 AM	0.5178 V/m	0.4670 V/m	0.4300 V/m
425	10/04/2012 11:16:27 AM	0.5104 V/m	0.4784 V/m	0.4326 V/m
426	10/04/2012 11:16:37 AM	0.4884 V/m	0.4591 V/m	0.4345 V/m
427	10/04/2012 11:16:47 AM	0.4725 V/m	0.4454 V/m	0.4017 V/m
428	10/04/2012 11:16:57 AM	0.5109 V/m	0.4772 V/m	0.4191 V/m
429	10/04/2012 11:17:07 AM	0.5210 V/m	0.4897 V/m	0.4444 V/m
430	10/04/2012 11:17:17 AM	0.5319 V/m	0.4826 V/m	0.4388 V/m
431	10/04/2012 11:17:27 AM	0.4962 V/m	0.4603 V/m	0.4105 V/m
432	10/04/2012 11:17:37 AM	0.5001 V/m	0.4618 V/m	0.4300 V/m
433	10/04/2012 11:17:47 AM	0.4923 V/m	0.4592 V/m	0.4151 V/m

434	10/04/2012 11:17:57 AM	0.4946 V/m	0.4693 V/m	0.4388 V/m
435	10/04/2012 11:18:07 AM	0.5012 V/m	0.4569 V/m	0.4255 V/m
436	10/04/2012 11:18:17 AM	0.5044 V/m	0.4697 V/m	0.4326 V/m
437	10/04/2012 11:18:27 AM	0.5324 V/m	0.4768 V/m	0.4370 V/m
438	10/04/2012 11:18:37 AM	0.4754 V/m	0.4531 V/m	0.4255 V/m
439	10/04/2012 11:18:47 AM	0.4828 V/m	0.4506 V/m	0.4230 V/m
440	10/04/2012 11:18:57 AM	0.5215 V/m	0.4878 V/m	0.4505 V/m
441	10/04/2012 11:19:07 AM	0.4713 V/m	0.4432 V/m	0.4197 V/m
442	10/04/2012 11:19:17 AM	0.4511 V/m	0.4341 V/m	0.4230 V/m
443	10/04/2012 11:19:27 AM	0.4584 V/m	0.4273 V/m	0.3997 V/m
444	10/04/2012 11:19:37 AM	0.4777 V/m	0.4402 V/m	0.4171 V/m
445	10/04/2012 11:19:47 AM	0.5028 V/m	0.4517 V/m	0.4256 V/m
446	10/04/2012 11:19:57 AM	0.5066 V/m	0.4690 V/m	0.4444 V/m
447	10/04/2012 11:20:07 AM	0.4754 V/m	0.4437 V/m	0.4171 V/m
448	10/04/2012 11:20:17 AM	0.4811 V/m	0.4538 V/m	0.4300 V/m
449	10/04/2012 11:20:27 AM	0.4918 V/m	0.4609 V/m	0.4432 V/m
450	10/04/2012 11:20:37 AM	0.5194 V/m	0.4788 V/m	0.4450 V/m
451	10/04/2012 11:20:47 AM	0.5189 V/m	0.4893 V/m	0.4649 V/m
452	10/04/2012 11:20:57 AM	0.5226 V/m	0.4846 V/m	0.4584 V/m
453	10/04/2012 11:21:07 AM	0.4845 V/m	0.4648 V/m	0.4382 V/m
454	10/04/2012 11:21:17 AM	0.4748 V/m	0.4517 V/m	0.4138 V/m
455	10/04/2012 11:21:27 AM	0.5146 V/m	0.4635 V/m	0.4281 V/m
456	10/04/2012 11:21:37 AM	0.4912 V/m	0.4703 V/m	0.4493 V/m
457	10/04/2012 11:21:47 AM	0.5391 V/m	0.5049 V/m	0.4649 V/m
458	10/04/2012 11:21:57 AM	0.5360 V/m	0.5177 V/m	0.4839 V/m
459	10/04/2012 11:22:07 AM	0.5565 V/m	0.5280 V/m	0.4822 V/m
460	10/04/2012 11:22:17 AM	0.5491 V/m	0.5285 V/m	0.5066 V/m
461	10/04/2012 11:22:27 AM	0.5629 V/m	0.5088 V/m	0.4805 V/m
462	10/04/2012 11:22:37 AM	0.5262 V/m	0.5089 V/m	0.4839 V/m
463	10/04/2012 11:22:47 AM	0.5168 V/m	0.4814 V/m	0.4469 V/m
464	10/04/2012 11:22:57 AM	0.5231 V/m	0.4899 V/m	0.4554 V/m
465	10/04/2012 11:23:07 AM	0.5189 V/m	0.4952 V/m	0.4800 V/m
466	10/04/2012 11:23:17 AM	0.5178 V/m	0.4977 V/m	0.4748 V/m
467	10/04/2012 11:23:27 AM	0.5401 V/m	0.5059 V/m	0.4625 V/m
468	10/04/2012 11:23:37 AM	0.5141 V/m	0.4864 V/m	0.4596 V/m
469	10/04/2012 11:23:47 AM	0.5183 V/m	0.4920 V/m	0.4619 V/m
470	10/04/2012 11:23:57 AM	0.5098 V/m	0.4841 V/m	0.4481 V/m
471	10/04/2012 11:24:07 AM	0.4945 V/m	0.4611 V/m	0.4275 V/m
472	10/04/2012 11:24:17 AM	0.4934 V/m	0.4568 V/m	0.4357 V/m
473	10/04/2012 11:24:27 AM	0.5653 V/m	0.4980 V/m	0.4678 V/m
474	10/04/2012 11:24:37 AM	0.5098 V/m	0.4815 V/m	0.4388 V/m
475	10/04/2012 11:24:47 AM	0.4907 V/m	0.4640 V/m	0.4382 V/m
476	10/04/2012 11:24:57 AM	0.5252 V/m	0.4899 V/m	0.4560 V/m
477	10/04/2012 11:25:07 AM	0.5066 V/m	0.4627 V/m	0.4294 V/m
478	10/04/2012 11:25:17 AM	0.4923 V/m	0.4653 V/m	0.4481 V/m
479	10/04/2012 11:25:27 AM	0.4725 V/m	0.4541 V/m	0.4326 V/m
480	10/04/2012 11:25:37 AM	0.4667 V/m	0.4427 V/m	0.4262 V/m
481	10/04/2012 11:25:47 AM	0.4907 V/m	0.4454 V/m	0.4184 V/m
482	10/04/2012 11:25:57 AM	0.4923 V/m	0.4337 V/m	0.4031 V/m
483	10/04/2012 11:26:07 AM	0.4511 V/m	0.4312 V/m	0.4105 V/m
484	10/04/2012 11:26:17 AM	0.4469 V/m	0.4339 V/m	0.4217 V/m
485	10/04/2012 11:26:27 AM	0.4625 V/m	0.4457 V/m	0.4275 V/m
486	10/04/2012 11:26:37 AM	0.4719 V/m	0.4490 V/m	0.4294 V/m
487	10/04/2012 11:26:47 AM	0.4530 V/m	0.4367 V/m	0.4184 V/m
488	10/04/2012 11:26:57 AM	0.4696 V/m	0.4402 V/m	0.4132 V/m

489	10/04/2012 11:27:07 AM	0.4690 V/m	0.4479 V/m	0.4243 V/m
490	10/04/2012 11:27:17 AM	0.4862 V/m	0.4434 V/m	0.4191 V/m
491	10/04/2012 11:27:27 AM	0.4765 V/m	0.4631 V/m	0.4395 V/m
492	10/04/2012 11:27:37 AM	0.4862 V/m	0.4667 V/m	0.4505 V/m
493	10/04/2012 11:27:47 AM	0.4968 V/m	0.4683 V/m	0.4487 V/m
494	10/04/2012 11:27:57 AM	0.4879 V/m	0.4626 V/m	0.4438 V/m
495	10/04/2012 11:28:07 AM	0.4845 V/m	0.4529 V/m	0.4370 V/m
496	10/04/2012 11:28:17 AM	0.4990 V/m	0.4654 V/m	0.4363 V/m
497	10/04/2012 11:28:27 AM	0.4736 V/m	0.4534 V/m	0.4363 V/m
498	10/04/2012 11:28:37 AM	0.4918 V/m	0.4627 V/m	0.4344 V/m
499	10/04/2012 11:28:47 AM	0.5098 V/m	0.4656 V/m	0.4413 V/m
500	10/04/2012 11:28:57 AM	0.4918 V/m	0.4667 V/m	0.4388 V/m
501	10/04/2012 11:29:07 AM	0.4822 V/m	0.4422 V/m	0.4204 V/m
502	10/04/2012 11:29:17 AM	0.4625 V/m	0.4417 V/m	0.4217 V/m
503	10/04/2012 11:29:27 AM	0.4907 V/m	0.4567 V/m	0.4268 V/m
504	10/04/2012 11:29:37 AM	0.4912 V/m	0.4603 V/m	0.4345 V/m
505	10/04/2012 11:29:47 AM	0.5044 V/m	0.4716 V/m	0.4481 V/m
506	10/04/2012 11:29:57 AM	0.4896 V/m	0.4613 V/m	0.4388 V/m
507	10/04/2012 11:30:07 AM	0.4702 V/m	0.4505 V/m	0.4382 V/m
508	10/04/2012 11:30:17 AM	0.4625 V/m	0.4434 V/m	0.4217 V/m
509	10/04/2012 11:30:27 AM	0.4619 V/m	0.4365 V/m	0.4051 V/m
510	10/04/2012 11:30:37 AM	0.4560 V/m	0.4297 V/m	0.4024 V/m
511	10/04/2012 11:30:47 AM	0.5006 V/m	0.4683 V/m	0.4376 V/m
512	10/04/2012 11:30:57 AM	0.5141 V/m	0.4879 V/m	0.4608 V/m
513	10/04/2012 11:31:07 AM	0.4879 V/m	0.4675 V/m	0.4438 V/m
514	10/04/2012 11:31:17 AM	0.4867 V/m	0.4636 V/m	0.4407 V/m
515	10/04/2012 11:31:27 AM	0.5022 V/m	0.4632 V/m	0.4236 V/m
516	10/04/2012 11:31:37 AM	0.5441 V/m	0.5140 V/m	0.4777 V/m
517	10/04/2012 11:31:47 AM	0.5565 V/m	0.5167 V/m	0.4678 V/m
518	10/04/2012 11:31:57 AM	0.5204 V/m	0.4907 V/m	0.4530 V/m
519	10/04/2012 11:32:07 AM	0.4851 V/m	0.4688 V/m	0.4536 V/m
520	10/04/2012 11:32:17 AM	0.5178 V/m	0.4874 V/m	0.4572 V/m
521	10/04/2012 11:32:27 AM	0.5806 V/m	0.5042 V/m	0.4554 V/m
522	10/04/2012 11:32:37 AM	0.5754 V/m	0.5421 V/m	0.5087 V/m
523	10/04/2012 11:32:47 AM	0.5481 V/m	0.5115 V/m	0.4643 V/m
524	10/04/2012 11:32:57 AM	0.5858 V/m	0.5196 V/m	0.4817 V/m
525	10/04/2012 11:33:07 AM	0.5146 V/m	0.4977 V/m	0.4834 V/m
526	10/04/2012 11:33:17 AM	0.5329 V/m	0.5163 V/m	0.4811 V/m
527	10/04/2012 11:33:27 AM	0.5466 V/m	0.5024 V/m	0.4613 V/m
528	10/04/2012 11:33:37 AM	0.5055 V/m	0.4803 V/m	0.4444 V/m
529	10/04/2012 11:33:47 AM	0.5098 V/m	0.4868 V/m	0.4608 V/m
530	10/04/2012 11:33:57 AM	0.4805 V/m	0.4506 V/m	0.3969 V/m
531	10/04/2012 11:34:07 AM	0.4463 V/m	0.4248 V/m	0.3942 V/m
532	10/04/2012 11:34:17 AM	0.5114 V/m	0.4712 V/m	0.4300 V/m
533	10/04/2012 11:34:27 AM	0.5136 V/m	0.4839 V/m	0.4584 V/m
534	10/04/2012 11:34:37 AM	0.5324 V/m	0.5005 V/m	0.4765 V/m
535	10/04/2012 11:34:47 AM	0.5350 V/m	0.4992 V/m	0.4619 V/m
536	10/04/2012 11:34:57 AM	0.5481 V/m	0.5161 V/m	0.4736 V/m
537	10/04/2012 11:35:07 AM	0.5324 V/m	0.4963 V/m	0.4554 V/m
538	10/04/2012 11:35:17 AM	0.5017 V/m	0.4684 V/m	0.4426 V/m
539	10/04/2012 11:35:27 AM	0.5093 V/m	0.4856 V/m	0.4625 V/m
540	10/04/2012 11:35:37 AM	0.5639 V/m	0.5202 V/m	0.4493 V/m
541	10/04/2012 11:35:47 AM	0.4765 V/m	0.4620 V/m	0.4407 V/m
542	10/04/2012 11:35:57 AM	0.4907 V/m	0.4722 V/m	0.4407 V/m
543	10/04/2012 11:36:07 AM	0.5329 V/m	0.4778 V/m	0.4395 V/m

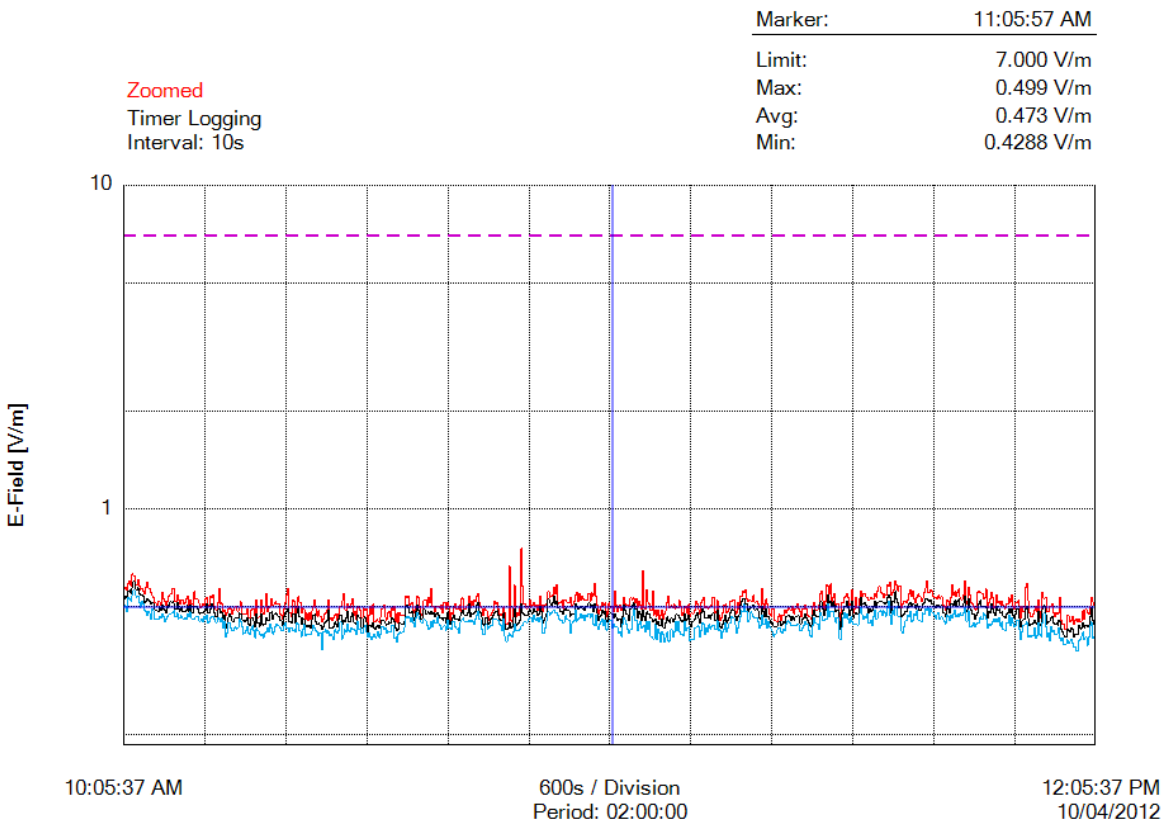
544	10/04/2012 11:36:17 AM	0.4951 V/m	0.4730 V/m	0.4370 V/m
545	10/04/2012 11:36:27 AM	0.5252 V/m	0.5007 V/m	0.4748 V/m
546	10/04/2012 11:36:37 AM	0.5580 V/m	0.5336 V/m	0.4962 V/m
547	10/04/2012 11:36:47 AM	0.5365 V/m	0.5053 V/m	0.4719 V/m
548	10/04/2012 11:36:57 AM	0.5461 V/m	0.5087 V/m	0.4566 V/m
549	10/04/2012 11:37:07 AM	0.5471 V/m	0.5129 V/m	0.4667 V/m
550	10/04/2012 11:37:17 AM	0.5345 V/m	0.5050 V/m	0.4613 V/m
551	10/04/2012 11:37:27 AM	0.5334 V/m	0.4935 V/m	0.4713 V/m
552	10/04/2012 11:37:37 AM	0.5241 V/m	0.4758 V/m	0.4444 V/m
553	10/04/2012 11:37:47 AM	0.5252 V/m	0.4914 V/m	0.4456 V/m
554	10/04/2012 11:37:57 AM	0.5314 V/m	0.4823 V/m	0.4511 V/m
555	10/04/2012 11:38:07 AM	0.5257 V/m	0.4859 V/m	0.4357 V/m
556	10/04/2012 11:38:17 AM	0.5252 V/m	0.5014 V/m	0.4661 V/m
557	10/04/2012 11:38:27 AM	0.5481 V/m	0.5186 V/m	0.4862 V/m
558	10/04/2012 11:38:37 AM	0.5334 V/m	0.4932 V/m	0.4554 V/m
559	10/04/2012 11:38:47 AM	0.5580 V/m	0.5133 V/m	0.4590 V/m
560	10/04/2012 11:38:57 AM	0.5759 V/m	0.5170 V/m	0.4811 V/m
561	10/04/2012 11:39:07 AM	0.5536 V/m	0.5158 V/m	0.4839 V/m
562	10/04/2012 11:39:17 AM	0.5461 V/m	0.5156 V/m	0.4696 V/m
563	10/04/2012 11:39:27 AM	0.5324 V/m	0.5135 V/m	0.4845 V/m
564	10/04/2012 11:39:37 AM	0.5441 V/m	0.5091 V/m	0.4771 V/m
565	10/04/2012 11:39:47 AM	0.5396 V/m	0.5110 V/m	0.4667 V/m
566	10/04/2012 11:39:57 AM	0.5806 V/m	0.5304 V/m	0.4946 V/m
567	10/04/2012 11:40:07 AM	0.5754 V/m	0.5416 V/m	0.5157 V/m
568	10/04/2012 11:40:17 AM	0.5937 V/m	0.5297 V/m	0.4678 V/m
569	10/04/2012 11:40:27 AM	0.5421 V/m	0.4780 V/m	0.4407 V/m
570	10/04/2012 11:40:37 AM	0.5536 V/m	0.5190 V/m	0.4845 V/m
571	10/04/2012 11:40:47 AM	0.5629 V/m	0.5146 V/m	0.4702 V/m
572	10/04/2012 11:40:57 AM	0.5978 V/m	0.5544 V/m	0.4968 V/m
573	10/04/2012 11:41:07 AM	0.5820 V/m	0.5261 V/m	0.4989 V/m
574	10/04/2012 11:41:17 AM	0.5575 V/m	0.5127 V/m	0.4660 V/m
575	10/04/2012 11:41:27 AM	0.5773 V/m	0.4932 V/m	0.4625 V/m
576	10/04/2012 11:41:37 AM	0.4918 V/m	0.4625 V/m	0.4191 V/m
577	10/04/2012 11:41:47 AM	0.5082 V/m	0.4669 V/m	0.4138 V/m
578	10/04/2012 11:41:57 AM	0.5188 V/m	0.4739 V/m	0.4326 V/m
579	10/04/2012 11:42:07 AM	0.5183 V/m	0.4827 V/m	0.4499 V/m
580	10/04/2012 11:42:17 AM	0.5146 V/m	0.4806 V/m	0.4536 V/m
581	10/04/2012 11:42:27 AM	0.5226 V/m	0.4945 V/m	0.4690 V/m
582	10/04/2012 11:42:37 AM	0.5441 V/m	0.5068 V/m	0.4655 V/m
583	10/04/2012 11:42:47 AM	0.5624 V/m	0.5143 V/m	0.4834 V/m
584	10/04/2012 11:42:57 AM	0.5375 V/m	0.4974 V/m	0.4481 V/m
585	10/04/2012 11:43:07 AM	0.5580 V/m	0.5086 V/m	0.4512 V/m
586	10/04/2012 11:43:17 AM	0.5262 V/m	0.5059 V/m	0.4748 V/m
587	10/04/2012 11:43:27 AM	0.5130 V/m	0.4915 V/m	0.4690 V/m
588	10/04/2012 11:43:37 AM	0.5319 V/m	0.5074 V/m	0.4851 V/m
589	10/04/2012 11:43:47 AM	0.5446 V/m	0.4981 V/m	0.4542 V/m
590	10/04/2012 11:43:57 AM	0.5355 V/m	0.4845 V/m	0.4512 V/m
591	10/04/2012 11:44:07 AM	0.5162 V/m	0.4921 V/m	0.4481 V/m
592	10/04/2012 11:44:17 AM	0.5283 V/m	0.5078 V/m	0.4760 V/m
593	10/04/2012 11:44:27 AM	0.5501 V/m	0.5140 V/m	0.4713 V/m
594	10/04/2012 11:44:37 AM	0.5687 V/m	0.5250 V/m	0.4896 V/m
595	10/04/2012 11:44:47 AM	0.5983 V/m	0.5282 V/m	0.4839 V/m
596	10/04/2012 11:44:57 AM	0.5501 V/m	0.5219 V/m	0.4940 V/m
597	10/04/2012 11:45:07 AM	0.5496 V/m	0.5157 V/m	0.4672 V/m
598	10/04/2012 11:45:17 AM	0.5634 V/m	0.5229 V/m	0.4924 V/m

599	10/04/2012 11:45:27 AM	0.5541 V/m	0.5079 V/m	0.4794 V/m
600	10/04/2012 11:45:37 AM	0.5345 V/m	0.5110 V/m	0.4759 V/m
601	10/04/2012 11:45:47 AM	0.5298 V/m	0.4978 V/m	0.4678 V/m
602	10/04/2012 11:45:57 AM	0.5339 V/m	0.4934 V/m	0.4578 V/m
603	10/04/2012 11:46:07 AM	0.5262 V/m	0.5049 V/m	0.4713 V/m
604	10/04/2012 11:46:17 AM	0.5401 V/m	0.5055 V/m	0.4783 V/m
605	10/04/2012 11:46:27 AM	0.5293 V/m	0.4966 V/m	0.4548 V/m
606	10/04/2012 11:46:37 AM	0.5360 V/m	0.5019 V/m	0.4631 V/m
607	10/04/2012 11:46:47 AM	0.4984 V/m	0.4790 V/m	0.4548 V/m
608	10/04/2012 11:46:57 AM	0.5023 V/m	0.4755 V/m	0.4481 V/m
609	10/04/2012 11:47:07 AM	0.4839 V/m	0.4648 V/m	0.4413 V/m
610	10/04/2012 11:47:17 AM	0.5236 V/m	0.4947 V/m	0.4684 V/m
611	10/04/2012 11:47:27 AM	0.5162 V/m	0.4902 V/m	0.4637 V/m
612	10/04/2012 11:47:37 AM	0.5023 V/m	0.4787 V/m	0.4536 V/m
613	10/04/2012 11:47:47 AM	0.5329 V/m	0.5104 V/m	0.4690 V/m
614	10/04/2012 11:47:57 AM	0.5811 V/m	0.5069 V/m	0.4596 V/m
615	10/04/2012 11:48:07 AM	0.5431 V/m	0.5046 V/m	0.4719 V/m
616	10/04/2012 11:48:17 AM	0.5546 V/m	0.5201 V/m	0.4873 V/m
617	10/04/2012 11:48:27 AM	0.5350 V/m	0.4978 V/m	0.4649 V/m
618	10/04/2012 11:48:37 AM	0.5511 V/m	0.5185 V/m	0.4725 V/m
619	10/04/2012 11:48:47 AM	0.5643 V/m	0.5266 V/m	0.4643 V/m
620	10/04/2012 11:48:57 AM	0.5334 V/m	0.5008 V/m	0.4754 V/m
621	10/04/2012 11:49:07 AM	0.5246 V/m	0.4999 V/m	0.4684 V/m
622	10/04/2012 11:49:17 AM	0.5416 V/m	0.5098 V/m	0.4754 V/m
623	10/04/2012 11:49:27 AM	0.5987 V/m	0.5370 V/m	0.4946 V/m
624	10/04/2012 11:49:37 AM	0.5088 V/m	0.4818 V/m	0.4511 V/m
625	10/04/2012 11:49:47 AM	0.5168 V/m	0.4878 V/m	0.4500 V/m
626	10/04/2012 11:49:57 AM	0.5706 V/m	0.5270 V/m	0.4845 V/m
627	10/04/2012 11:50:07 AM	0.5421 V/m	0.4928 V/m	0.4319 V/m
628	10/04/2012 11:50:17 AM	0.5120 V/m	0.4852 V/m	0.4307 V/m
629	10/04/2012 11:50:27 AM	0.5077 V/m	0.4738 V/m	0.4351 V/m
630	10/04/2012 11:50:37 AM	0.5006 V/m	0.4743 V/m	0.4432 V/m
631	10/04/2012 11:50:47 AM	0.4879 V/m	0.4545 V/m	0.4326 V/m
632	10/04/2012 11:50:57 AM	0.4918 V/m	0.4688 V/m	0.4413 V/m
633	10/04/2012 11:51:07 AM	0.5511 V/m	0.4783 V/m	0.4450 V/m
634	10/04/2012 11:51:17 AM	0.5570 V/m	0.5088 V/m	0.4456 V/m
635	10/04/2012 11:51:27 AM	0.5516 V/m	0.5214 V/m	0.4637 V/m
636	10/04/2012 11:51:37 AM	0.5471 V/m	0.5004 V/m	0.4548 V/m
637	10/04/2012 11:51:47 AM	0.5262 V/m	0.5010 V/m	0.4754 V/m
638	10/04/2012 11:51:57 AM	0.5314 V/m	0.4984 V/m	0.4708 V/m
639	10/04/2012 11:52:07 AM	0.5644 V/m	0.4943 V/m	0.4566 V/m
640	10/04/2012 11:52:17 AM	0.4929 V/m	0.4611 V/m	0.4281 V/m
641	10/04/2012 11:52:27 AM	0.5136 V/m	0.4805 V/m	0.4407 V/m
642	10/04/2012 11:52:37 AM	0.5257 V/m	0.4776 V/m	0.4370 V/m
643	10/04/2012 11:52:47 AM	0.5491 V/m	0.5087 V/m	0.4419 V/m
644	10/04/2012 11:52:57 AM	0.5309 V/m	0.4916 V/m	0.4475 V/m
645	10/04/2012 11:53:07 AM	0.4940 V/m	0.4770 V/m	0.4566 V/m
646	10/04/2012 11:53:17 AM	0.5023 V/m	0.4685 V/m	0.4469 V/m
647	10/04/2012 11:53:27 AM	0.5406 V/m	0.4973 V/m	0.4566 V/m
648	10/04/2012 11:53:37 AM	0.5109 V/m	0.4863 V/m	0.4481 V/m
649	10/04/2012 11:53:47 AM	0.5178 V/m	0.4883 V/m	0.4602 V/m
650	10/04/2012 11:53:57 AM	0.5060 V/m	0.4768 V/m	0.4332 V/m
651	10/04/2012 11:54:07 AM	0.5178 V/m	0.4814 V/m	0.4475 V/m
652	10/04/2012 11:54:17 AM	0.5033 V/m	0.4649 V/m	0.4230 V/m
653	10/04/2012 11:54:27 AM	0.4912 V/m	0.4601 V/m	0.4204 V/m

654	10/04/2012 11:54:37 AM	0.5093 V/m	0.4730 V/m	0.4444 V/m
655	10/04/2012 11:54:47 AM	0.5066 V/m	0.4768 V/m	0.4432 V/m
656	10/04/2012 11:54:57 AM	0.5298 V/m	0.4896 V/m	0.4678 V/m
657	10/04/2012 11:55:07 AM	0.5152 V/m	0.4778 V/m	0.4357 V/m
658	10/04/2012 11:55:17 AM	0.5406 V/m	0.4926 V/m	0.4584 V/m
659	10/04/2012 11:55:27 AM	0.5012 V/m	0.4692 V/m	0.4444 V/m
660	10/04/2012 11:55:37 AM	0.4890 V/m	0.4609 V/m	0.4332 V/m
661	10/04/2012 11:55:47 AM	0.5141 V/m	0.4737 V/m	0.4376 V/m
662	10/04/2012 11:55:57 AM	0.5120 V/m	0.4899 V/m	0.4511 V/m
663	10/04/2012 11:56:07 AM	0.5215 V/m	0.4905 V/m	0.4524 V/m
664	10/04/2012 11:56:17 AM	0.5012 V/m	0.4600 V/m	0.4236 V/m
665	10/04/2012 11:56:27 AM	0.4596 V/m	0.4323 V/m	0.3949 V/m
666	10/04/2012 11:56:37 AM	0.5001 V/m	0.4514 V/m	0.4184 V/m
667	10/04/2012 11:56:47 AM	0.4805 V/m	0.4562 V/m	0.4370 V/m
668	10/04/2012 11:56:57 AM	0.5721 V/m	0.4907 V/m	0.4388 V/m
669	10/04/2012 11:57:07 AM	0.5881 V/m	0.4988 V/m	0.4469 V/m
670	10/04/2012 11:57:17 AM	0.5215 V/m	0.4591 V/m	0.4004 V/m
671	10/04/2012 11:57:27 AM	0.4771 V/m	0.4347 V/m	0.4058 V/m
672	10/04/2012 11:57:37 AM	0.4661 V/m	0.4395 V/m	0.4004 V/m
673	10/04/2012 11:57:47 AM	0.4643 V/m	0.4414 V/m	0.4072 V/m
674	10/04/2012 11:57:57 AM	0.4742 V/m	0.4437 V/m	0.4072 V/m
675	10/04/2012 11:58:07 AM	0.4845 V/m	0.4535 V/m	0.4301 V/m
676	10/04/2012 11:58:17 AM	0.5001 V/m	0.4426 V/m	0.3983 V/m
677	10/04/2012 11:58:27 AM	0.4811 V/m	0.4412 V/m	0.4072 V/m
678	10/04/2012 11:58:37 AM	0.5247 V/m	0.4813 V/m	0.4451 V/m
679	10/04/2012 11:58:47 AM	0.4596 V/m	0.4374 V/m	0.4078 V/m
680	10/04/2012 11:58:57 AM	0.4817 V/m	0.4415 V/m	0.4031 V/m
681	10/04/2012 11:59:07 AM	0.5536 V/m	0.4899 V/m	0.4444 V/m
682	10/04/2012 11:59:17 AM	0.5278 V/m	0.5025 V/m	0.4754 V/m
683	10/04/2012 11:59:27 AM	0.5334 V/m	0.4705 V/m	0.4338 V/m
684	10/04/2012 11:59:37 AM	0.4822 V/m	0.4417 V/m	0.4018 V/m
685	10/04/2012 11:59:47 AM	0.4805 V/m	0.4469 V/m	0.4138 V/m
686	10/04/2012 11:59:57 AM	0.5001 V/m	0.4497 V/m	0.3900 V/m
687	10/04/2012 12:00:07 PM	0.4979 V/m	0.4612 V/m	0.4313 V/m
688	10/04/2012 12:00:17 PM	0.5071 V/m	0.4641 V/m	0.4158 V/m
689	10/04/2012 12:00:27 PM	0.4754 V/m	0.4429 V/m	0.4197 V/m
690	10/04/2012 12:00:37 PM	0.4631 V/m	0.4407 V/m	0.4078 V/m
691	10/04/2012 12:00:47 PM	0.4759 V/m	0.4421 V/m	0.4112 V/m
692	10/04/2012 12:00:57 PM	0.4719 V/m	0.4376 V/m	0.4118 V/m
693	10/04/2012 12:01:07 PM	0.4788 V/m	0.4512 V/m	0.4300 V/m
694	10/04/2012 12:01:17 PM	0.5334 V/m	0.4477 V/m	0.3976 V/m
695	10/04/2012 12:01:27 PM	0.4518 V/m	0.4241 V/m	0.3900 V/m
696	10/04/2012 12:01:37 PM	0.4382 V/m	0.4158 V/m	0.3990 V/m
697	10/04/2012 12:01:47 PM	0.4420 V/m	0.4063 V/m	0.3808 V/m
698	10/04/2012 12:01:57 PM	0.4236 V/m	0.4010 V/m	0.3815 V/m
699	10/04/2012 12:02:07 PM	0.4690 V/m	0.4258 V/m	0.3935 V/m
700	10/04/2012 12:02:17 PM	0.4678 V/m	0.4215 V/m	0.3829 V/m
701	10/04/2012 12:02:27 PM	0.4463 V/m	0.4172 V/m	0.3893 V/m
702	10/04/2012 12:02:37 PM	0.4536 V/m	0.4272 V/m	0.3963 V/m
703	10/04/2012 12:02:47 PM	0.4649 V/m	0.4259 V/m	0.3836 V/m
704	10/04/2012 12:02:57 PM	0.4413 V/m	0.4030 V/m	0.3735 V/m
705	10/04/2012 12:03:07 PM	0.4530 V/m	0.4104 V/m	0.3750 V/m
706	10/04/2012 12:03:17 PM	0.4572 V/m	0.4093 V/m	0.3646 V/m
707	10/04/2012 12:03:27 PM	0.4493 V/m	0.4083 V/m	0.3631 V/m
708	10/04/2012 12:03:37 PM	0.4560 V/m	0.4361 V/m	0.3928 V/m

709	10/04/2012 12:03:47 PM	0.4463 V/m	0.4256 V/m	0.3963 V/m
710	10/04/2012 12:03:57 PM	0.4511 V/m	0.4299 V/m	0.4051 V/m
711	10/04/2012 12:04:07 PM	0.4840 V/m	0.4439 V/m	0.4165 V/m
712	10/04/2012 12:04:17 PM	0.4560 V/m	0.4289 V/m	0.3949 V/m
713	10/04/2012 12:04:27 PM	0.4890 V/m	0.4373 V/m	0.4017 V/m
714	10/04/2012 12:04:37 PM	0.4771 V/m	0.4303 V/m	0.3786 V/m
715	10/04/2012 12:04:47 PM	0.4725 V/m	0.4374 V/m	0.4024 V/m
716	10/04/2012 12:04:57 PM	0.5012 V/m	0.4655 V/m	0.4351 V/m
717	10/04/2012 12:05:07 PM	0.5324 V/m	0.4968 V/m	0.4469 V/m
718	10/04/2012 12:05:17 PM	0.5162 V/m	0.4539 V/m	0.3976 V/m
719	10/04/2012 12:05:27 PM	0.5028 V/m	0.4417 V/m	0.4024 V/m
720	10/04/2012 12:05:37 PM	0.4822 V/m	0.4541 V/m	0.4275 V/m

Graph


Marker: 11:05:57 AM
Limit: 7.000 V/m
Max: 0.499 V/m
Avg: 0.473 V/m
Min: 0.4288 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:05:37 AM
600s / Division
Period: 02:00:00
12:05:37 PM
10/04/2012

Parameters

Number of Sub Indices	720
Storing Date	10/04/2012
Storing Time	10:05:37 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	DIFF
Device Product Name	NBM-550
Device Serial Number	B-0777
Device Cal Due Date	08/06/2011
Probe Product Name	EF0391
Probe Serial Number	A-0882
Probe Cal Due Date	08/03/2011
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 MHz
Apply Correction Frequency	OFF
Eref_E(f)	61.40 V/m
Eref_H(f)	61.45 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 wschodnim

Fot. 2. Rejon badań, widok w kierunku południowym

Fot. 3. Rejon badań, widok w kierunku zachodnim

Fot. 4. Urządzenie pomiarowe w trakcie prowadzonego badania

Oznaczenia:

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

Ryc. Szkic sytuacyjny rejonu badań.