Wojewódzki Inspektorat Ochrony Środowiska w Katowicach

Pracownia Analiz Manualnych, Instrumentalnych, Hydrobiologicznych, Mikrobiologicznych oraz Pomiarów Terenowych i Pobierania Próbek w Bielsku-Białej

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SPRAWOZDANIE Z MONITORINGOWEGO POMIARU PÓL ELEKTROMAGNETYCZNYCH nr: 267/2012

Instalacje: Stacja bazowa nr: BT20065, GZB 0100;

Miejsce pomiarów: P-1, Ruda Śląska, Dzielnica Wirek, ul. Fitelberga;

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

Data oraz godzina wykonania pomiarów: 17.05.2012, godzina 10:01-12:01;

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 wielorodzinnej, położonej w dzielnicy miasta Ruda Śląska - Wirek, 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 rok.

3. TEREN BADAŃ

Punkt pomiarowy P-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano w dzielnicy Wirek przy ul. Fitelberga w granicach administracyjnych miasta Ruda Śląska. 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 wielokondygnacyjna zabudowa mieszkaniowa wielorodzinna oraz garaże. Najbliższy obiekt budowlany – ciąg garaży, oddalone od punktu pomiarowego są o 27 m, znajdują się w kierunku wschodnim. Najbliższa względem P-1 zabudowa mieszkalna – pięciokondygnacyjny budynek wielorodzinny przy ul. Fitelberga 12, znajduje się w kierunku południowo-zachodnim w odległości 26 m. W kierunku północnym za pasem terenów zielonych zagospodarowanych porterowymi budynkami handlowo-usługowymi znajduje się zabudowa mieszkalna przy ul. Osiedlowej.
W promieniu <300 m od P-2 zlokalizowane są 2 instalacje radiokomunikacyjne emitujące pola elektromagnetyczne do środowiska – stacje bazowe telefonii komórkowej.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:
Dzielnica (osiedle) miasta o liczbie mieszkańców powyżej 50 tyś.

Nomenklatura jednostki terytorialnej (NTS):
Ruda Śląska 5.2.24.48.72.01.1

Współrzędne geogr. (GPS) punktu pomiarowego poziomów pól elektromagnetycznych w środowisku:
N 50°16'19.7";
E 18°51'39.6";

Wysokość lokalizacji punktu pomiarowego:
h: 2,0 [m] n.p.t.;

Odległości punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych wielorodzinnych, zlokalizowanych w pobliżu przekroju pomiarowego poziomów pól w środowisku:
l = 26 [m] - od elewacji budynku mieszkalnego wielorodzinnego przy ul. Fitelberga 12

Lokalizacja punktu pomiarowego – pas zieleni przy drodze dojazdowej do budynku przy ul. Fitelberga 12.

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 rowspan="3">Data i czasokres pomiarów</td><td rowspan="3">17-05-2012 r.
10:01:35–12:01:35</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td>T [°C]</td><td>16,7 – 16,8</td></tr>
<tr><td>RH [%]</td><td>37,1 – 53,2</td></tr>
<tr><td>Częstotliwość próbkowania</td><td>f: 10 sec.</td><td colspan="2">UWAGI:
Zachmurzenie częściowe;
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 265 m oraz 176 m od punktu pomiarowego P-1, w kierunkach północno-zachodnim i północnym, znajduje się rząd budynków mieszkalnych przy ul. Osiedlowej, na dachu, których zainstalowano anteny nadawczo-odbiorcze 2 stacji bazowych telefonii komórkowej, administrowane przez POLKOMTEL S.A. oraz P4 Sp. z o.o. W tabelach 2 i 3 przedstawiono wyspecyfikowane parametry instalacji, zebrane na podstawie materiałów uzyskanych od operatorów instalacji.

Tabela 2

Zarządzający instalacją:
POLKOMTEL S.A.
ul. Postępu 3
02-676 Warszawa

Nazwa instalacji wg nomenklatury użytkownika:
Stacja bazowa nr: BT20065

Lokalizacja:
Dach budynku mieszkalnego przy ul. Osiedlowej 11

Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	50	Antena sektorowa K 742271	2100 (UMTS)	24,0	1883
2.	180	Antena sektorowa K 742215	2100 (UMTS)	22,5	2108
3.	290	Antena sektorowa K 742215	2100 (UMTS)	22,5	2108

EIRP $_{max}$, łącznie ze wszystkich anten SEKTOROWYCH przedmiotowej instalacji: **6 099** [W].

Objaśnienia:

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

Tabela 3

Zarządzający instalacją:
P4 Sp. z o.o.
ul. Taśmowa 7
02-677 Warszawa

Nazwa instalacji wg nomenklatury użytkownika:
Stacja bazowa nr: GZB0100G

Lokalizacja:
Dach budynku mieszkalnego przy ul. Osiedlowej 3

Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	0	Antena sektorowa	2100 (UMTS)	23,5	2500
2.	120	Antena sektorowa	2100 (UMTS)	23,5	2500
3.	260	Antena sektorowa	2100 (UMTS)	23,5	2500
EIRP $_{max}$, łącznie ze wszystkich anten SEKTOROWYCH przedmiotowej instalacji: **7 500**[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 4

Lp.	Punkt pomiarowy poziomów pól elektromagnetycznych w środowisku	Natężenie pola elektrycznego E **) [V/m]	Niepewność pomiaru $U_{E\ 0,95}$ [dB]
1.	P-1 ul. Fitelberga Dzielnica - Wirek Miasto – Ruda Śląska	0,50	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 05/17/2012
Time 10:01:35 AM

Załącznik nr 1 do Sprawozdania z badań nr 267/2012

Instrument / Site

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

Site	Coordinates	
P-1, ul. Fitelberga	Latitude:	50°16'19.7" N
Dzielnica - Wirek	Longitude:	18°51'39.6" E
Miasto (powiat) – Ruda Śląska		
województwo - śląskie		

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 17.05.2012 r., Ruda Śląska, 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 10:01:35 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	05/17/2012 10:01:45 AM		0.7064 V/m	0.5186 V/m	0.3332 V/m
2	05/17/2012 10:01:55 AM		0.6422 V/m	0.5071 V/m	0.3872 V/m
3	05/17/2012 10:02:05 AM		0.6662 V/m	0.4840 V/m	0.3764 V/m
4	05/17/2012 10:02:15 AM		0.6727 V/m	0.4811 V/m	0.3836 V/m
5	05/17/2012 10:02:25 AM		0.5975 V/m	0.4483 V/m	0.3586 V/m
6	05/17/2012 10:02:35 AM		0.7203 V/m	0.5130 V/m	0.3624 V/m
7	05/17/2012 10:02:45 AM		0.7010 V/m	0.6077 V/m	0.4171 V/m
8	05/17/2012 10:02:55 AM		0.6739 V/m	0.5208 V/m	0.3907 V/m
9	05/17/2012 10:03:05 AM		0.5179 V/m	0.4416 V/m	0.3638 V/m
10	05/17/2012 10:03:15 AM		0.5975 V/m	0.4657 V/m	0.3822 V/m
11	05/17/2012 10:03:25 AM		0.9155 V/m	0.5875 V/m	0.3858 V/m
12	05/17/2012 10:03:35 AM		0.5625 V/m	0.4703 V/m	0.3815 V/m
13	05/17/2012 10:03:45 AM		0.6353 V/m	0.4791 V/m	0.3307 V/m
14	05/17/2012 10:03:55 AM		0.7080 V/m	0.5143 V/m	0.4004 V/m
15	05/17/2012 10:04:05 AM		0.7092 V/m	0.5522 V/m	0.3676 V/m
16	05/17/2012 10:04:15 AM		0.7790 V/m	0.6123 V/m	0.4092 V/m
17	05/17/2012 10:04:25 AM		0.6983 V/m	0.5949 V/m	0.4300 V/m
18	05/17/2012 10:04:35 AM		0.8482 V/m	0.6982 V/m	0.4307 V/m
19	05/17/2012 10:04:45 AM		0.7557 V/m	0.5859 V/m	0.3241 V/m
20	05/17/2012 10:04:55 AM		0.8498 V/m	0.6745 V/m	0.4554 V/m
21	05/17/2012 10:05:05 AM		0.8825 V/m	0.6943 V/m	0.4996 V/m
22	05/17/2012 10:05:15 AM		0.8183 V/m	0.6125 V/m	0.4249 V/m
23	05/17/2012 10:05:25 AM		0.7564 V/m	0.6095 V/m	0.4924 V/m
24	05/17/2012 10:05:35 AM		0.8585 V/m	0.6720 V/m	0.4800 V/m
25	05/17/2012 10:05:45 AM		0.8728 V/m	0.6714 V/m	0.5109 V/m
26	05/17/2012 10:05:55 AM		0.8390 V/m	0.6928 V/m	0.5527 V/m
27	05/17/2012 10:06:05 AM		0.8420 V/m	0.7006 V/m	0.4649 V/m
28	05/17/2012 10:06:15 AM		0.7476 V/m	0.5272 V/m	0.3720 V/m
29	05/17/2012 10:06:25 AM		0.8653 V/m	0.6520 V/m	0.4626 V/m
30	05/17/2012 10:06:35 AM		0.7572 V/m	0.6628 V/m	0.5803 V/m
31	05/17/2012 10:06:45 AM		0.8858 V/m	0.6998 V/m	0.4655 V/m
32	05/17/2012 10:06:55 AM		0.8328 V/m	0.7243 V/m	0.5859 V/m
33	05/17/2012 10:07:05 AM		0.8577 V/m	0.6917 V/m	0.4935 V/m
34	05/17/2012 10:07:15 AM		0.7768 V/m	0.7011 V/m	0.5761 V/m
35	05/17/2012 10:07:25 AM		0.8485 V/m	0.6910 V/m	0.5502 V/m
36	05/17/2012 10:07:35 AM		0.7845 V/m	0.5523 V/m	0.4158 V/m
37	05/17/2012 10:07:45 AM		0.6012 V/m	0.4889 V/m	0.4031 V/m
38	05/17/2012 10:07:55 AM		0.5919 V/m	0.5063 V/m	0.4326 V/m
39	05/17/2012 10:08:05 AM		0.6788 V/m	0.5525 V/m	0.4288 V/m
40	05/17/2012 10:08:15 AM		0.6156 V/m	0.4850 V/m	0.4065 V/m
41	05/17/2012 10:08:25 AM		0.7366 V/m	0.5304 V/m	0.4204 V/m
42	05/17/2012 10:08:35 AM		0.6835 V/m	0.5627 V/m	0.4281 V/m
43	05/17/2012 10:08:45 AM		0.6608 V/m	0.5436 V/m	0.4098 V/m
44	05/17/2012 10:08:55 AM		0.6661 V/m	0.4938 V/m	0.3764 V/m
45	05/17/2012 10:09:05 AM		0.7974 V/m	0.6424 V/m	0.4288 V/m
46	05/17/2012 10:09:15 AM		0.8084 V/m	0.6264 V/m	0.4320 V/m
47	05/17/2012 10:09:25 AM		0.7161 V/m	0.5734 V/m	0.4004 V/m
48	05/17/2012 10:09:35 AM		0.7498 V/m	0.6536 V/m	0.5741 V/m

49	05/17/2012 10:09:45 AM	0.7477 V/m	0.6181 V/m	0.4256 V/m
50	05/17/2012 10:09:55 AM	0.7188 V/m	0.5571 V/m	0.4017 V/m
51	05/17/2012 10:10:05 AM	0.5929 V/m	0.4734 V/m	0.3800 V/m
52	05/17/2012 10:10:15 AM	0.6258 V/m	0.5001 V/m	0.3879 V/m
53	05/17/2012 10:10:25 AM	0.6955 V/m	0.5703 V/m	0.4401 V/m
54	05/17/2012 10:10:35 AM	0.7380 V/m	0.4885 V/m	0.3779 V/m
55	05/17/2012 10:10:45 AM	0.8158 V/m	0.6174 V/m	0.4112 V/m
56	05/17/2012 10:10:55 AM	0.8077 V/m	0.6900 V/m	0.5873 V/m
57	05/17/2012 10:11:05 AM	0.8001 V/m	0.6311 V/m	0.5412 V/m
58	05/17/2012 10:11:15 AM	0.6824 V/m	0.6123 V/m	0.5591 V/m
59	05/17/2012 10:11:25 AM	0.6979 V/m	0.6074 V/m	0.5356 V/m
60	05/17/2012 10:11:35 AM	0.6994 V/m	0.6208 V/m	0.5142 V/m
61	05/17/2012 10:11:45 AM	0.7406 V/m	0.6567 V/m	0.5883 V/m
62	05/17/2012 10:11:55 AM	0.7826 V/m	0.6304 V/m	0.4990 V/m
63	05/17/2012 10:12:05 AM	0.8222 V/m	0.6628 V/m	0.4512 V/m
64	05/17/2012 10:12:15 AM	0.8362 V/m	0.6683 V/m	0.5717 V/m
65	05/17/2012 10:12:25 AM	0.7687 V/m	0.5469 V/m	0.4152 V/m
66	05/17/2012 10:12:35 AM	0.6003 V/m	0.4904 V/m	0.3900 V/m
67	05/17/2012 10:12:45 AM	0.6289 V/m	0.4729 V/m	0.3772 V/m
68	05/17/2012 10:12:55 AM	0.7340 V/m	0.5628 V/m	0.3921 V/m
69	05/17/2012 10:13:05 AM	0.7469 V/m	0.6172 V/m	0.4560 V/m
70	05/17/2012 10:13:15 AM	0.7687 V/m	0.5277 V/m	0.3963 V/m
71	05/17/2012 10:13:25 AM	0.6920 V/m	0.4996 V/m	0.3808 V/m
72	05/17/2012 10:13:35 AM	0.6764 V/m	0.4887 V/m	0.3949 V/m
73	05/17/2012 10:13:45 AM	0.6852 V/m	0.5171 V/m	0.4031 V/m
74	05/17/2012 10:13:55 AM	0.7947 V/m	0.5649 V/m	0.4038 V/m
75	05/17/2012 10:14:05 AM	0.7975 V/m	0.5554 V/m	0.3516 V/m
76	05/17/2012 10:14:15 AM	0.8091 V/m	0.5355 V/m	0.3872 V/m
77	05/17/2012 10:14:25 AM	0.7045 V/m	0.5053 V/m	0.3720 V/m
78	05/17/2012 10:14:35 AM	0.8398 V/m	0.6558 V/m	0.4414 V/m
79	05/17/2012 10:14:45 AM	0.8132 V/m	0.6286 V/m	0.4743 V/m
80	05/17/2012 10:14:55 AM	0.7215 V/m	0.6353 V/m	0.5147 V/m
81	05/17/2012 10:15:05 AM	0.7506 V/m	0.5527 V/m	0.4112 V/m
82	05/17/2012 10:15:15 AM	0.8029 V/m	0.5821 V/m	0.4112 V/m
83	05/17/2012 10:15:25 AM	0.8351 V/m	0.5505 V/m	0.4236 V/m
84	05/17/2012 10:15:35 AM	0.7203 V/m	0.5662 V/m	0.4210 V/m
85	05/17/2012 10:15:45 AM	0.6628 V/m	0.5252 V/m	0.4011 V/m
86	05/17/2012 10:15:55 AM	0.8026 V/m	0.6072 V/m	0.4300 V/m
87	05/17/2012 10:16:05 AM	0.7414 V/m	0.5591 V/m	0.3764 V/m
88	05/17/2012 10:16:15 AM	0.6231 V/m	0.4884 V/m	0.3771 V/m
89	05/17/2012 10:16:25 AM	0.7384 V/m	0.5183 V/m	0.4178 V/m
90	05/17/2012 10:16:35 AM	0.6115 V/m	0.4842 V/m	0.4031 V/m
91	05/17/2012 10:16:45 AM	0.6657 V/m	0.4958 V/m	0.3949 V/m
92	05/17/2012 10:16:55 AM	0.6387 V/m	0.4939 V/m	0.3921 V/m
93	05/17/2012 10:17:05 AM	0.7502 V/m	0.5663 V/m	0.4236 V/m
94	05/17/2012 10:17:15 AM	0.6860 V/m	0.5168 V/m	0.4004 V/m
95	05/17/2012 10:17:25 AM	0.6852 V/m	0.5614 V/m	0.4326 V/m
96	05/17/2012 10:17:35 AM	0.5736 V/m	0.4641 V/m	0.3683 V/m
97	05/17/2012 10:17:45 AM	0.5868 V/m	0.4636 V/m	0.3843 V/m
98	05/17/2012 10:17:55 AM	0.7222 V/m	0.5535 V/m	0.3976 V/m
99	05/17/2012 10:18:05 AM	0.6570 V/m	0.5518 V/m	0.3983 V/m
100	05/17/2012 10:18:15 AM	0.7279 V/m	0.5828 V/m	0.3914 V/m
101	05/17/2012 10:18:25 AM	0.6804 V/m	0.5377 V/m	0.4288 V/m
102	05/17/2012 10:18:35 AM	0.6187 V/m	0.4919 V/m	0.4058 V/m
103	05/17/2012 10:18:45 AM	0.8012 V/m	0.5954 V/m	0.4092 V/m

104	05/17/2012 10:18:55 AM	0.6756 V/m	0.5231 V/m	0.3800 V/m
105	05/17/2012 10:19:05 AM	0.6443 V/m	0.5148 V/m	0.4004 V/m
106	05/17/2012 10:19:15 AM	0.7336 V/m	0.4945 V/m	0.4024 V/m
107	05/17/2012 10:19:25 AM	0.6999 V/m	0.5088 V/m	0.3976 V/m
108	05/17/2012 10:19:35 AM	0.6039 V/m	0.5000 V/m	0.4065 V/m
109	05/17/2012 10:19:45 AM	0.7863 V/m	0.5742 V/m	0.4191 V/m
110	05/17/2012 10:19:55 AM	0.7719 V/m	0.5913 V/m	0.3942 V/m
111	05/17/2012 10:20:05 AM	0.7640 V/m	0.5385 V/m	0.3750 V/m
112	05/17/2012 10:20:15 AM	0.8345 V/m	0.6772 V/m	0.5242 V/m
113	05/17/2012 10:20:25 AM	0.8374 V/m	0.6800 V/m	0.4138 V/m
114	05/17/2012 10:20:35 AM	0.8196 V/m	0.6648 V/m	0.4256 V/m
115	05/17/2012 10:20:45 AM	0.7590 V/m	0.6213 V/m	0.4118 V/m
116	05/17/2012 10:20:55 AM	0.8996 V/m	0.6964 V/m	0.4572 V/m
117	05/17/2012 10:21:05 AM	0.7912 V/m	0.5850 V/m	0.4024 V/m
118	05/17/2012 10:21:15 AM	0.6336 V/m	0.5420 V/m	0.4691 V/m
119	05/17/2012 10:21:25 AM	0.7877 V/m	0.5790 V/m	0.3500 V/m
120	05/17/2012 10:21:35 AM	0.7443 V/m	0.5810 V/m	0.4518 V/m
121	05/17/2012 10:21:45 AM	0.7701 V/m	0.5334 V/m	0.3706 V/m
122	05/17/2012 10:21:55 AM	0.6876 V/m	0.5876 V/m	0.4051 V/m
123	05/17/2012 10:22:05 AM	0.7177 V/m	0.5740 V/m	0.4204 V/m
124	05/17/2012 10:22:15 AM	0.7370 V/m	0.5717 V/m	0.3983 V/m
125	05/17/2012 10:22:25 AM	0.5552 V/m	0.4005 V/m	0.3469 V/m
126	05/17/2012 10:22:35 AM	0.5586 V/m	0.4341 V/m	0.3477 V/m
127	05/17/2012 10:22:45 AM	0.6410 V/m	0.4337 V/m	0.3381 V/m
128	05/17/2012 10:22:55 AM	0.5381 V/m	0.4317 V/m	0.3570 V/m
129	05/17/2012 10:23:05 AM	0.5546 V/m	0.4731 V/m	0.4031 V/m
130	05/17/2012 10:23:15 AM	0.4935 V/m	0.4457 V/m	0.3997 V/m
131	05/17/2012 10:23:25 AM	0.5386 V/m	0.4576 V/m	0.3893 V/m
132	05/17/2012 10:23:35 AM	0.5615 V/m	0.4691 V/m	0.3886 V/m
133	05/17/2012 10:23:45 AM	0.5850 V/m	0.4644 V/m	0.3928 V/m
134	05/17/2012 10:23:55 AM	0.6324 V/m	0.5418 V/m	0.4217 V/m
135	05/17/2012 10:24:05 AM	0.6515 V/m	0.5779 V/m	0.5050 V/m
136	05/17/2012 10:24:15 AM	0.5817 V/m	0.4993 V/m	0.3907 V/m
137	05/17/2012 10:24:25 AM	0.5910 V/m	0.4768 V/m	0.3683 V/m
138	05/17/2012 10:24:35 AM	0.6191 V/m	0.5244 V/m	0.4256 V/m
139	05/17/2012 10:24:45 AM	0.6731 V/m	0.5625 V/m	0.4596 V/m
140	05/17/2012 10:24:55 AM	0.5915 V/m	0.4912 V/m	0.3757 V/m
141	05/17/2012 10:25:05 AM	0.6405 V/m	0.5194 V/m	0.3389 V/m
142	05/17/2012 10:25:15 AM	0.6439 V/m	0.5092 V/m	0.4138 V/m
143	05/17/2012 10:25:25 AM	0.6183 V/m	0.4620 V/m	0.3970 V/m
144	05/17/2012 10:25:35 AM	0.6035 V/m	0.4673 V/m	0.3893 V/m
145	05/17/2012 10:25:45 AM	0.6388 V/m	0.5212 V/m	0.3935 V/m
146	05/17/2012 10:25:55 AM	0.7888 V/m	0.5974 V/m	0.4139 V/m
147	05/17/2012 10:26:05 AM	0.6876 V/m	0.4501 V/m	0.3676 V/m
148	05/17/2012 10:26:15 AM	0.6832 V/m	0.4925 V/m	0.3713 V/m
149	05/17/2012 10:26:25 AM	0.4358 V/m	0.3952 V/m	0.3524 V/m
150	05/17/2012 10:26:35 AM	0.5547 V/m	0.4072 V/m	0.3445 V/m
151	05/17/2012 10:26:45 AM	0.6511 V/m	0.5021 V/m	0.3555 V/m
152	05/17/2012 10:26:55 AM	0.6645 V/m	0.5072 V/m	0.4085 V/m
153	05/17/2012 10:27:05 AM	0.6280 V/m	0.4625 V/m	0.3720 V/m
154	05/17/2012 10:27:15 AM	0.7115 V/m	0.5548 V/m	0.3843 V/m
155	05/17/2012 10:27:25 AM	0.7328 V/m	0.5609 V/m	0.4236 V/m
156	05/17/2012 10:27:35 AM	0.7444 V/m	0.5403 V/m	0.4204 V/m
157	05/17/2012 10:27:45 AM	0.7455 V/m	0.6111 V/m	0.4643 V/m
158	05/17/2012 10:27:55 AM	0.7180 V/m	0.5724 V/m	0.4294 V/m

159	05/17/2012 10:28:05 AM	0.7275 V/m	0.5953 V/m	0.4112 V/m
160	05/17/2012 10:28:15 AM	0.7991 V/m	0.5686 V/m	0.4051 V/m
161	05/17/2012 10:28:25 AM	0.7165 V/m	0.6109 V/m	0.4382 V/m
162	05/17/2012 10:28:35 AM	0.7662 V/m	0.6060 V/m	0.4345 V/m
163	05/17/2012 10:28:45 AM	0.7081 V/m	0.5899 V/m	0.3879 V/m
164	05/17/2012 10:28:55 AM	0.7366 V/m	0.5050 V/m	0.4275 V/m
165	05/17/2012 10:29:05 AM	0.6474 V/m	0.5021 V/m	0.3772 V/m
166	05/17/2012 10:29:15 AM	0.6935 V/m	0.5657 V/m	0.3900 V/m
167	05/17/2012 10:29:25 AM	0.7355 V/m	0.6042 V/m	0.4171 V/m
168	05/17/2012 10:29:35 AM	0.7385 V/m	0.5870 V/m	0.4351 V/m
169	05/17/2012 10:29:45 AM	0.7302 V/m	0.6041 V/m	0.4469 V/m
170	05/17/2012 10:29:55 AM	0.7076 V/m	0.5866 V/m	0.4112 V/m
171	05/17/2012 10:30:05 AM	0.7222 V/m	0.5648 V/m	0.4031 V/m
172	05/17/2012 10:30:15 AM	0.8427 V/m	0.6459 V/m	0.3829 V/m
173	05/17/2012 10:30:25 AM	0.7665 V/m	0.5630 V/m	0.4301 V/m
174	05/17/2012 10:30:35 AM	0.7553 V/m	0.5982 V/m	0.4445 V/m
175	05/17/2012 10:30:45 AM	0.6345 V/m	0.5466 V/m	0.4262 V/m
176	05/17/2012 10:30:55 AM	0.8387 V/m	0.6492 V/m	0.5077 V/m
177	05/17/2012 10:31:05 AM	0.8508 V/m	0.6445 V/m	0.4524 V/m
178	05/17/2012 10:31:15 AM	0.7410 V/m	0.5855 V/m	0.4301 V/m
179	05/17/2012 10:31:25 AM	0.7697 V/m	0.5978 V/m	0.4395 V/m
180	05/17/2012 10:31:35 AM	0.7495 V/m	0.5653 V/m	0.4178 V/m
181	05/17/2012 10:31:45 AM	0.6120 V/m	0.4683 V/m	0.3900 V/m
182	05/17/2012 10:31:55 AM	0.7466 V/m	0.5325 V/m	0.4038 V/m
183	05/17/2012 10:32:05 AM	0.7604 V/m	0.5680 V/m	0.4118 V/m
184	05/17/2012 10:32:15 AM	0.7077 V/m	0.5408 V/m	0.4262 V/m
185	05/17/2012 10:32:25 AM	0.8016 V/m	0.6025 V/m	0.4426 V/m
186	05/17/2012 10:32:35 AM	0.6896 V/m	0.5004 V/m	0.3616 V/m
187	05/17/2012 10:32:45 AM	0.6665 V/m	0.5556 V/m	0.3955 V/m
188	05/17/2012 10:32:55 AM	0.6828 V/m	0.4972 V/m	0.3822 V/m
189	05/17/2012 10:33:05 AM	0.7069 V/m	0.5331 V/m	0.4158 V/m
190	05/17/2012 10:33:15 AM	0.6515 V/m	0.5096 V/m	0.4051 V/m
191	05/17/2012 10:33:25 AM	0.7092 V/m	0.5556 V/m	0.4572 V/m
192	05/17/2012 10:33:35 AM	0.8019 V/m	0.5368 V/m	0.4011 V/m
193	05/17/2012 10:33:45 AM	0.7332 V/m	0.4867 V/m	0.3429 V/m
194	05/17/2012 10:33:55 AM	0.6174 V/m	0.5046 V/m	0.3829 V/m
195	05/17/2012 10:34:05 AM	0.6240 V/m	0.5040 V/m	0.4011 V/m
196	05/17/2012 10:34:15 AM	0.6107 V/m	0.5345 V/m	0.4408 V/m
197	05/17/2012 10:34:25 AM	0.5984 V/m	0.4743 V/m	0.4072 V/m
198	05/17/2012 10:34:35 AM	0.6477 V/m	0.5006 V/m	0.4031 V/m
199	05/17/2012 10:34:45 AM	0.6698 V/m	0.4866 V/m	0.4004 V/m
200	05/17/2012 10:34:55 AM	0.6431 V/m	0.5191 V/m	0.4158 V/m
201	05/17/2012 10:35:05 AM	0.5654 V/m	0.4666 V/m	0.4118 V/m
202	05/17/2012 10:35:15 AM	0.5482 V/m	0.4587 V/m	0.4165 V/m
203	05/17/2012 10:35:25 AM	0.5576 V/m	0.4632 V/m	0.4072 V/m
204	05/17/2012 10:35:35 AM	0.5226 V/m	0.4597 V/m	0.3864 V/m
205	05/17/2012 10:35:45 AM	0.5552 V/m	0.4586 V/m	0.3963 V/m
206	05/17/2012 10:35:55 AM	0.5437 V/m	0.4655 V/m	0.4112 V/m
207	05/17/2012 10:36:05 AM	0.5299 V/m	0.4475 V/m	0.3638 V/m
208	05/17/2012 10:36:15 AM	0.5366 V/m	0.4383 V/m	0.3539 V/m
209	05/17/2012 10:36:25 AM	0.7283 V/m	0.5052 V/m	0.3728 V/m
210	05/17/2012 10:36:35 AM	0.7585 V/m	0.6313 V/m	0.4506 V/m
211	05/17/2012 10:36:45 AM	0.5919 V/m	0.4645 V/m	0.3900 V/m
212	05/17/2012 10:36:55 AM	0.6007 V/m	0.4759 V/m	0.3764 V/m
213	05/17/2012 10:37:05 AM	0.5131 V/m	0.4402 V/m	0.3815 V/m

214	05/17/2012 10:37:15 AM	0.5447 V/m	0.4186 V/m	0.3461 V/m
215	05/17/2012 10:37:25 AM	0.6503 V/m	0.4984 V/m	0.4044 V/m
216	05/17/2012 10:37:35 AM	0.5200 V/m	0.4643 V/m	0.3928 V/m
217	05/17/2012 10:37:45 AM	0.6469 V/m	0.4785 V/m	0.3764 V/m
218	05/17/2012 10:37:55 AM	0.7169 V/m	0.5031 V/m	0.3373 V/m
219	05/17/2012 10:38:05 AM	0.5152 V/m	0.4512 V/m	0.3274 V/m
220	05/17/2012 10:38:15 AM	0.6694 V/m	0.4891 V/m	0.3990 V/m
221	05/17/2012 10:38:25 AM	0.7218 V/m	0.5707 V/m	0.4178 V/m
222	05/17/2012 10:38:35 AM	0.7838 V/m	0.5525 V/m	0.3469 V/m
223	05/17/2012 10:38:45 AM	0.6923 V/m	0.5377 V/m	0.4078 V/m
224	05/17/2012 10:38:55 AM	0.7662 V/m	0.5424 V/m	0.3539 V/m
225	05/17/2012 10:39:05 AM	0.7207 V/m	0.5065 V/m	0.3691 V/m
226	05/17/2012 10:39:15 AM	0.6370 V/m	0.4679 V/m	0.3786 V/m
227	05/17/2012 10:39:25 AM	0.5892 V/m	0.4843 V/m	0.3900 V/m
228	05/17/2012 10:39:35 AM	0.7237 V/m	0.4837 V/m	0.3516 V/m
229	05/17/2012 10:39:45 AM	0.7793 V/m	0.6105 V/m	0.4326 V/m
230	05/17/2012 10:39:55 AM	0.7130 V/m	0.6368 V/m	0.5320 V/m
231	05/17/2012 10:40:05 AM	0.6644 V/m	0.5399 V/m	0.4158 V/m
232	05/17/2012 10:40:15 AM	0.6452 V/m	0.5243 V/m	0.4319 V/m
233	05/17/2012 10:40:25 AM	0.6730 V/m	0.5456 V/m	0.4065 V/m
234	05/17/2012 10:40:35 AM	0.7600 V/m	0.6276 V/m	0.4930 V/m
235	05/17/2012 10:40:45 AM	0.7177 V/m	0.6050 V/m	0.4269 V/m
236	05/17/2012 10:40:55 AM	0.7252 V/m	0.5514 V/m	0.4065 V/m
237	05/17/2012 10:41:05 AM	0.7210 V/m	0.5967 V/m	0.3921 V/m
238	05/17/2012 10:41:15 AM	0.7860 V/m	0.5239 V/m	0.3822 V/m
239	05/17/2012 10:41:25 AM	0.5854 V/m	0.4371 V/m	0.3532 V/m
240	05/17/2012 10:41:35 AM	0.5892 V/m	0.4130 V/m	0.3453 V/m
241	05/17/2012 10:41:45 AM	0.4017 V/m	0.3680 V/m	0.3365 V/m
242	05/17/2012 10:41:55 AM	0.5669 V/m	0.3918 V/m	0.3291 V/m
243	05/17/2012 10:42:05 AM	0.6553 V/m	0.5415 V/m	0.3631 V/m
244	05/17/2012 10:42:15 AM	0.6370 V/m	0.5614 V/m	0.4560 V/m
245	05/17/2012 10:42:25 AM	0.6507 V/m	0.5709 V/m	0.4451 V/m
246	05/17/2012 10:42:35 AM	0.6763 V/m	0.5365 V/m	0.3928 V/m
247	05/17/2012 10:42:45 AM	0.7131 V/m	0.5138 V/m	0.3956 V/m
248	05/17/2012 10:42:55 AM	0.7294 V/m	0.6085 V/m	0.4620 V/m
249	05/17/2012 10:43:05 AM	0.4684 V/m	0.4047 V/m	0.3516 V/m
250	05/17/2012 10:43:15 AM	0.6039 V/m	0.4608 V/m	0.3928 V/m
251	05/17/2012 10:43:25 AM	0.4777 V/m	0.4220 V/m	0.3676 V/m
252	05/17/2012 10:43:35 AM	0.5093 V/m	0.4333 V/m	0.3661 V/m
253	05/17/2012 10:43:45 AM	0.5018 V/m	0.4238 V/m	0.3570 V/m
254	05/17/2012 10:43:55 AM	0.5125 V/m	0.4223 V/m	0.3623 V/m
255	05/17/2012 10:44:05 AM	0.4957 V/m	0.4387 V/m	0.3815 V/m
256	05/17/2012 10:44:15 AM	0.7361 V/m	0.5222 V/m	0.3977 V/m
257	05/17/2012 10:44:25 AM	0.4690 V/m	0.4335 V/m	0.3865 V/m
258	05/17/2012 10:44:35 AM	0.7184 V/m	0.4977 V/m	0.3928 V/m
259	05/17/2012 10:44:45 AM	0.5168 V/m	0.4279 V/m	0.3750 V/m
260	05/17/2012 10:44:55 AM	0.4673 V/m	0.4176 V/m	0.3713 V/m
261	05/17/2012 10:45:05 AM	0.4725 V/m	0.4197 V/m	0.3608 V/m
262	05/17/2012 10:45:15 AM	0.5012 V/m	0.4416 V/m	0.3836 V/m
263	05/17/2012 10:45:25 AM	0.6362 V/m	0.4866 V/m	0.3742 V/m
264	05/17/2012 10:45:35 AM	0.4661 V/m	0.4169 V/m	0.3094 V/m
265	05/17/2012 10:45:45 AM	0.4457 V/m	0.4134 V/m	0.3735 V/m
266	05/17/2012 10:45:55 AM	0.6366 V/m	0.4325 V/m	0.3485 V/m
267	05/17/2012 10:46:05 AM	0.6653 V/m	0.4618 V/m	0.3858 V/m
268	05/17/2012 10:46:15 AM	0.4907 V/m	0.4388 V/m	0.4024 V/m

269	05/17/2012 10:46:25 AM	0.5034 V/m	0.4329 V/m	0.3843 V/m
270	05/17/2012 10:46:35 AM	0.6120 V/m	0.4705 V/m	0.3822 V/m
271	05/17/2012 10:46:45 AM	0.6039 V/m	0.4611 V/m	0.3631 V/m
272	05/17/2012 10:46:55 AM	0.5669 V/m	0.4501 V/m	0.3764 V/m
273	05/17/2012 10:47:05 AM	0.5741 V/m	0.4367 V/m	0.3485 V/m
274	05/17/2012 10:47:15 AM	0.4788 V/m	0.4198 V/m	0.3437 V/m
275	05/17/2012 10:47:25 AM	0.7138 V/m	0.5867 V/m	0.3900 V/m
276	05/17/2012 10:47:35 AM	0.6240 V/m	0.5071 V/m	0.4530 V/m
277	05/17/2012 10:47:45 AM	0.7455 V/m	0.6076 V/m	0.4691 V/m
278	05/17/2012 10:47:55 AM	0.6179 V/m	0.5282 V/m	0.4481 V/m
279	05/17/2012 10:48:05 AM	0.6507 V/m	0.5394 V/m	0.4463 V/m
280	05/17/2012 10:48:15 AM	0.7517 V/m	0.5725 V/m	0.4204 V/m
281	05/17/2012 10:48:25 AM	0.4935 V/m	0.4356 V/m	0.4038 V/m
282	05/17/2012 10:48:35 AM	0.5210 V/m	0.4499 V/m	0.3879 V/m
283	05/17/2012 10:48:45 AM	0.5189 V/m	0.4220 V/m	0.3324 V/m
284	05/17/2012 10:48:55 AM	0.5727 V/m	0.4354 V/m	0.3547 V/m
285	05/17/2012 10:49:05 AM	0.6775 V/m	0.4943 V/m	0.3928 V/m
286	05/17/2012 10:49:15 AM	0.4766 V/m	0.4286 V/m	0.3793 V/m
287	05/17/2012 10:49:25 AM	0.6553 V/m	0.4724 V/m	0.3593 V/m
288	05/17/2012 10:49:35 AM	0.4631 V/m	0.4136 V/m	0.3638 V/m
289	05/17/2012 10:49:45 AM	0.6430 V/m	0.4590 V/m	0.3638 V/m
290	05/17/2012 10:49:55 AM	0.6611 V/m	0.4884 V/m	0.4011 V/m
291	05/17/2012 10:50:05 AM	0.7150 V/m	0.4948 V/m	0.3963 V/m
292	05/17/2012 10:50:15 AM	0.5045 V/m	0.4316 V/m	0.3381 V/m
293	05/17/2012 10:50:25 AM	0.5722 V/m	0.4783 V/m	0.3900 V/m
294	05/17/2012 10:50:35 AM	0.5045 V/m	0.4203 V/m	0.3181 V/m
295	05/17/2012 10:50:45 AM	0.4873 V/m	0.4002 V/m	0.3308 V/m
296	05/17/2012 10:50:55 AM	0.5077 V/m	0.4533 V/m	0.4058 V/m
297	05/17/2012 10:51:05 AM	0.5542 V/m	0.4299 V/m	0.3340 V/m
298	05/17/2012 10:51:15 AM	0.5361 V/m	0.4501 V/m	0.3921 V/m
299	05/17/2012 10:51:25 AM	0.6994 V/m	0.4645 V/m	0.3340 V/m
300	05/17/2012 10:51:35 AM	0.5407 V/m	0.4270 V/m	0.3793 V/m
301	05/17/2012 10:51:45 AM	0.5635 V/m	0.4578 V/m	0.4058 V/m
302	05/17/2012 10:51:55 AM	0.6191 V/m	0.4908 V/m	0.4078 V/m
303	05/17/2012 10:52:05 AM	0.4840 V/m	0.4328 V/m	0.3800 V/m
304	05/17/2012 10:52:15 AM	0.5278 V/m	0.4464 V/m	0.3963 V/m
305	05/17/2012 10:52:25 AM	0.5437 V/m	0.4572 V/m	0.3771 V/m
306	05/17/2012 10:52:35 AM	0.5422 V/m	0.4541 V/m	0.3836 V/m
307	05/17/2012 10:52:45 AM	0.4679 V/m	0.4249 V/m	0.3624 V/m
308	05/17/2012 10:52:55 AM	0.5457 V/m	0.4527 V/m	0.3865 V/m
309	05/17/2012 10:53:05 AM	0.6405 V/m	0.4511 V/m	0.3963 V/m
310	05/17/2012 10:53:15 AM	0.4840 V/m	0.4335 V/m	0.3616 V/m
311	05/17/2012 10:53:25 AM	0.5467 V/m	0.4375 V/m	0.3772 V/m
312	05/17/2012 10:53:35 AM	0.6786 V/m	0.4498 V/m	0.3120 V/m
313	05/17/2012 10:53:45 AM	0.5319 V/m	0.4429 V/m	0.3800 V/m
314	05/17/2012 10:53:55 AM	0.6892 V/m	0.5151 V/m	0.4078 V/m
315	05/17/2012 10:54:05 AM	0.6066 V/m	0.4818 V/m	0.4184 V/m
316	05/17/2012 10:54:15 AM	0.7647 V/m	0.5636 V/m	0.4748 V/m
317	05/17/2012 10:54:25 AM	0.7324 V/m	0.5735 V/m	0.4125 V/m
318	05/17/2012 10:54:35 AM	0.7271 V/m	0.5410 V/m	0.4165 V/m
319	05/17/2012 10:54:45 AM	0.5683 V/m	0.4864 V/m	0.4223 V/m
320	05/17/2012 10:54:55 AM	0.5979 V/m	0.4957 V/m	0.4307 V/m
321	05/17/2012 10:55:05 AM	0.6336 V/m	0.5313 V/m	0.4370 V/m
322	05/17/2012 10:55:15 AM	0.8530 V/m	0.5971 V/m	0.4637 V/m
323	05/17/2012 10:55:25 AM	0.5854 V/m	0.4856 V/m	0.4125 V/m

324	05/17/2012 10:55:35 AM	0.7866 V/m	0.5452 V/m	0.3764 V/m
325	05/17/2012 10:55:45 AM	0.5831 V/m	0.4834 V/m	0.3858 V/m
326	05/17/2012 10:55:55 AM	0.6569 V/m	0.5569 V/m	0.4395 V/m
327	05/17/2012 10:56:05 AM	0.5840 V/m	0.5217 V/m	0.4518 V/m
328	05/17/2012 10:56:15 AM	0.6852 V/m	0.5456 V/m	0.4626 V/m
329	05/17/2012 10:56:25 AM	0.5640 V/m	0.5015 V/m	0.4420 V/m
330	05/17/2012 10:56:35 AM	0.5840 V/m	0.5060 V/m	0.4608 V/m
331	05/17/2012 10:56:45 AM	0.7126 V/m	0.5499 V/m	0.4794 V/m
332	05/17/2012 10:56:55 AM	0.7249 V/m	0.5069 V/m	0.4011 V/m
333	05/17/2012 10:57:05 AM	0.6553 V/m	0.5004 V/m	0.4420 V/m
334	05/17/2012 10:57:15 AM	0.7034 V/m	0.5408 V/m	0.3800 V/m
335	05/17/2012 10:57:25 AM	0.6151 V/m	0.5200 V/m	0.4506 V/m
336	05/17/2012 10:57:35 AM	0.6808 V/m	0.5896 V/m	0.4765 V/m
337	05/17/2012 10:57:45 AM	0.7014 V/m	0.5650 V/m	0.4874 V/m
338	05/17/2012 10:57:55 AM	0.6987 V/m	0.5565 V/m	0.4631 V/m
339	05/17/2012 10:58:05 AM	0.6138 V/m	0.5338 V/m	0.4667 V/m
340	05/17/2012 10:58:15 AM	0.6710 V/m	0.5565 V/m	0.4499 V/m
341	05/17/2012 10:58:25 AM	0.5938 V/m	0.4694 V/m	0.4038 V/m
342	05/17/2012 10:58:35 AM	0.6111 V/m	0.4884 V/m	0.3727 V/m
343	05/17/2012 10:58:45 AM	0.6297 V/m	0.5102 V/m	0.4151 V/m
344	05/17/2012 10:58:55 AM	0.6719 V/m	0.5548 V/m	0.4158 V/m
345	05/17/2012 10:59:05 AM	0.6657 V/m	0.4695 V/m	0.3850 V/m
346	05/17/2012 10:59:15 AM	0.6245 V/m	0.4922 V/m	0.4065 V/m
347	05/17/2012 10:59:25 AM	0.4754 V/m	0.4135 V/m	0.3631 V/m
348	05/17/2012 10:59:35 AM	0.5023 V/m	0.4332 V/m	0.3578 V/m
349	05/17/2012 10:59:45 AM	0.6665 V/m	0.4821 V/m	0.3990 V/m
350	05/17/2012 10:59:55 AM	0.5831 V/m	0.4964 V/m	0.4105 V/m
351	05/17/2012 11:00:05 AM	0.5351 V/m	0.4354 V/m	0.3720 V/m
352	05/17/2012 11:00:15 AM	0.6138 V/m	0.5073 V/m	0.3793 V/m
353	05/17/2012 11:00:25 AM	0.4924 V/m	0.4322 V/m	0.3914 V/m
354	05/17/2012 11:00:35 AM	0.5477 V/m	0.4666 V/m	0.3990 V/m
355	05/17/2012 11:00:45 AM	0.4445 V/m	0.4009 V/m	0.3624 V/m
356	05/17/2012 11:00:55 AM	0.5850 V/m	0.4286 V/m	0.3676 V/m
357	05/17/2012 11:01:05 AM	0.5309 V/m	0.4155 V/m	0.3586 V/m
358	05/17/2012 11:01:15 AM	0.5462 V/m	0.4337 V/m	0.3593 V/m
359	05/17/2012 11:01:25 AM	0.4626 V/m	0.4003 V/m	0.3698 V/m
360	05/17/2012 11:01:35 AM	0.4696 V/m	0.4179 V/m	0.3713 V/m
361	05/17/2012 11:01:45 AM	0.4862 V/m	0.4285 V/m	0.3764 V/m
362	05/17/2012 11:01:55 AM	0.6279 V/m	0.4655 V/m	0.3779 V/m
363	05/17/2012 11:02:05 AM	0.4857 V/m	0.3971 V/m	0.3076 V/m
364	05/17/2012 11:02:15 AM	0.6232 V/m	0.4377 V/m	0.3524 V/m
365	05/17/2012 11:02:25 AM	0.5427 V/m	0.4669 V/m	0.3808 V/m
366	05/17/2012 11:02:35 AM	0.6545 V/m	0.5192 V/m	0.3976 V/m
367	05/17/2012 11:02:45 AM	0.5371 V/m	0.4429 V/m	0.3801 V/m
368	05/17/2012 11:02:55 AM	0.5437 V/m	0.4312 V/m	0.3676 V/m
369	05/17/2012 11:03:05 AM	0.6912 V/m	0.5043 V/m	0.4092 V/m
370	05/17/2012 11:03:15 AM	0.7451 V/m	0.5842 V/m	0.4702 V/m
371	05/17/2012 11:03:25 AM	0.9688 V/m	0.6694 V/m	0.4902 V/m
372	05/17/2012 11:03:35 AM	0.6161 V/m	0.5048 V/m	0.4420 V/m
373	05/17/2012 11:03:45 AM	0.5650 V/m	0.4958 V/m	0.4389 V/m
374	05/17/2012 11:03:55 AM	0.7150 V/m	0.5294 V/m	0.4560 V/m
375	05/17/2012 11:04:05 AM	0.5472 V/m	0.4930 V/m	0.4536 V/m
376	05/17/2012 11:04:15 AM	0.6515 V/m	0.5343 V/m	0.4469 V/m
377	05/17/2012 11:04:25 AM	0.7803 V/m	0.6480 V/m	0.5072 V/m
378	05/17/2012 11:04:35 AM	0.7002 V/m	0.5918 V/m	0.4332 V/m

379	05/17/2012 11:04:45 AM	0.6916 V/m	0.5204 V/m	0.4198 V/m
380	05/17/2012 11:04:55 AM	0.6690 V/m	0.5172 V/m	0.3977 V/m
381	05/17/2012 11:05:05 AM	0.6710 V/m	0.5303 V/m	0.4058 V/m
382	05/17/2012 11:05:15 AM	0.6739 V/m	0.5326 V/m	0.4294 V/m
383	05/17/2012 11:05:25 AM	0.7264 V/m	0.5790 V/m	0.4530 V/m
384	05/17/2012 11:05:35 AM	0.6494 V/m	0.5188 V/m	0.4217 V/m
385	05/17/2012 11:05:45 AM	0.5247 V/m	0.4476 V/m	0.4031 V/m
386	05/17/2012 11:05:55 AM	0.5572 V/m	0.4784 V/m	0.4138 V/m
387	05/17/2012 11:06:05 AM	0.6939 V/m	0.5287 V/m	0.4198 V/m
388	05/17/2012 11:06:15 AM	0.8019 V/m	0.6109 V/m	0.4256 V/m
389	05/17/2012 11:06:25 AM	0.6315 V/m	0.5063 V/m	0.4138 V/m
390	05/17/2012 11:06:35 AM	0.5859 V/m	0.4858 V/m	0.4236 V/m
391	05/17/2012 11:06:45 AM	0.6852 V/m	0.5455 V/m	0.4376 V/m
392	05/17/2012 11:06:55 AM	0.6187 V/m	0.4793 V/m	0.4145 V/m
393	05/17/2012 11:07:05 AM	0.6362 V/m	0.5219 V/m	0.4105 V/m
394	05/17/2012 11:07:15 AM	0.8722 V/m	0.6104 V/m	0.3872 V/m
395	05/17/2012 11:07:25 AM	0.7119 V/m	0.5417 V/m	0.4395 V/m
396	05/17/2012 11:07:35 AM	0.6066 V/m	0.5119 V/m	0.4383 V/m
397	05/17/2012 11:07:45 AM	0.7275 V/m	0.5443 V/m	0.4457 V/m
398	05/17/2012 11:07:55 AM	0.6460 V/m	0.5117 V/m	0.4024 V/m
399	05/17/2012 11:08:05 AM	0.7800 V/m	0.5675 V/m	0.4118 V/m
400	05/17/2012 11:08:15 AM	0.7988 V/m	0.5943 V/m	0.4475 V/m
401	05/17/2012 11:08:25 AM	0.6396 V/m	0.5387 V/m	0.4566 V/m
402	05/17/2012 11:08:35 AM	0.6084 V/m	0.5032 V/m	0.4256 V/m
403	05/17/2012 11:08:45 AM	0.5727 V/m	0.4528 V/m	0.3949 V/m
404	05/17/2012 11:08:55 AM	0.4941 V/m	0.4359 V/m	0.3772 V/m
405	05/17/2012 11:09:05 AM	0.5371 V/m	0.4566 V/m	0.3879 V/m
406	05/17/2012 11:09:15 AM	0.6178 V/m	0.4449 V/m	0.3623 V/m
407	05/17/2012 11:09:25 AM	0.7287 V/m	0.5502 V/m	0.4269 V/m
408	05/17/2012 11:09:35 AM	0.6710 V/m	0.5138 V/m	0.4118 V/m
409	05/17/2012 11:09:45 AM	0.5115 V/m	0.4337 V/m	0.3907 V/m
410	05/17/2012 11:09:55 AM	0.6511 V/m	0.4571 V/m	0.3815 V/m
411	05/17/2012 11:10:05 AM	0.4811 V/m	0.4356 V/m	0.3963 V/m
412	05/17/2012 11:10:15 AM	0.4974 V/m	0.4331 V/m	0.3728 V/m
413	05/17/2012 11:10:25 AM	0.5351 V/m	0.4279 V/m	0.3836 V/m
414	05/17/2012 11:10:35 AM	0.5938 V/m	0.4695 V/m	0.3865 V/m
415	05/17/2012 11:10:45 AM	0.5577 V/m	0.4571 V/m	0.4138 V/m
416	05/17/2012 11:10:55 AM	0.5221 V/m	0.4534 V/m	0.3793 V/m
417	05/17/2012 11:11:05 AM	0.6138 V/m	0.4689 V/m	0.3976 V/m
418	05/17/2012 11:11:15 AM	0.5892 V/m	0.4876 V/m	0.4268 V/m
419	05/17/2012 11:11:25 AM	0.5012 V/m	0.4562 V/m	0.3779 V/m
420	05/17/2012 11:11:35 AM	0.5864 V/m	0.4312 V/m	0.3437 V/m
421	05/17/2012 11:11:45 AM	0.4952 V/m	0.4171 V/m	0.3698 V/m
422	05/17/2012 11:11:55 AM	0.5472 V/m	0.4256 V/m	0.3793 V/m
423	05/17/2012 11:12:05 AM	0.4902 V/m	0.4171 V/m	0.3706 V/m
424	05/17/2012 11:12:15 AM	0.4794 V/m	0.4223 V/m	0.3879 V/m
425	05/17/2012 11:12:25 AM	0.5765 V/m	0.4559 V/m	0.3865 V/m
426	05/17/2012 11:12:35 AM	0.6405 V/m	0.4877 V/m	0.3886 V/m
427	05/17/2012 11:12:45 AM	0.5376 V/m	0.4775 V/m	0.3886 V/m
428	05/17/2012 11:12:55 AM	0.7065 V/m	0.5278 V/m	0.4024 V/m
429	05/17/2012 11:13:05 AM	0.6759 V/m	0.5281 V/m	0.4395 V/m
430	05/17/2012 11:13:15 AM	0.6469 V/m	0.5220 V/m	0.3921 V/m
431	05/17/2012 11:13:25 AM	0.5746 V/m	0.5064 V/m	0.4268 V/m
432	05/17/2012 11:13:35 AM	0.5412 V/m	0.4641 V/m	0.4052 V/m
433	05/17/2012 11:13:45 AM	0.5934 V/m	0.5258 V/m	0.4463 V/m

434	05/17/2012 11:13:55 AM	0.5402 V/m	0.4629 V/m	0.3900 V/m
435	05/17/2012 11:14:05 AM	0.5493 V/m	0.4726 V/m	0.4230 V/m
436	05/17/2012 11:14:15 AM	0.7006 V/m	0.5436 V/m	0.4269 V/m
437	05/17/2012 11:14:25 AM	0.7747 V/m	0.5942 V/m	0.4823 V/m
438	05/17/2012 11:14:35 AM	0.6767 V/m	0.5118 V/m	0.4530 V/m
439	05/17/2012 11:14:45 AM	0.6624 V/m	0.5478 V/m	0.4590 V/m
440	05/17/2012 11:14:55 AM	0.6284 V/m	0.5306 V/m	0.4313 V/m
441	05/17/2012 11:15:05 AM	0.7953 V/m	0.5933 V/m	0.4940 V/m
442	05/17/2012 11:15:15 AM	0.7582 V/m	0.5242 V/m	0.4204 V/m
443	05/17/2012 11:15:25 AM	0.7862 V/m	0.5971 V/m	0.4011 V/m
444	05/17/2012 11:15:35 AM	0.7146 V/m	0.5973 V/m	0.4560 V/m
445	05/17/2012 11:15:45 AM	0.7524 V/m	0.6198 V/m	0.4608 V/m
446	05/17/2012 11:15:55 AM	0.6143 V/m	0.4501 V/m	0.3601 V/m
447	05/17/2012 11:16:05 AM	0.5093 V/m	0.4226 V/m	0.3547 V/m
448	05/17/2012 11:16:15 AM	0.6835 V/m	0.5056 V/m	0.4011 V/m
449	05/17/2012 11:16:25 AM	0.5541 V/m	0.4945 V/m	0.3997 V/m
450	05/17/2012 11:16:35 AM	0.4985 V/m	0.4515 V/m	0.3997 V/m
451	05/17/2012 11:16:45 AM	0.6357 V/m	0.4856 V/m	0.3858 V/m
452	05/17/2012 11:16:55 AM	0.5537 V/m	0.4628 V/m	0.3976 V/m
453	05/17/2012 11:17:05 AM	0.5325 V/m	0.4544 V/m	0.3935 V/m
454	05/17/2012 11:17:15 AM	0.5040 V/m	0.4380 V/m	0.3771 V/m
455	05/17/2012 11:17:25 AM	0.7711 V/m	0.5275 V/m	0.4152 V/m
456	05/17/2012 11:17:35 AM	0.6270 V/m	0.5059 V/m	0.4357 V/m
457	05/17/2012 11:17:45 AM	0.5083 V/m	0.4692 V/m	0.4191 V/m
458	05/17/2012 11:17:55 AM	0.5760 V/m	0.4596 V/m	0.4184 V/m
459	05/17/2012 11:18:05 AM	0.5929 V/m	0.4943 V/m	0.3750 V/m
460	05/17/2012 11:18:15 AM	0.5659 V/m	0.4942 V/m	0.4223 V/m
461	05/17/2012 11:18:25 AM	0.6174 V/m	0.4899 V/m	0.4024 V/m
462	05/17/2012 11:18:35 AM	0.5231 V/m	0.4492 V/m	0.3623 V/m
463	05/17/2012 11:18:45 AM	0.5304 V/m	0.4457 V/m	0.3935 V/m
464	05/17/2012 11:18:55 AM	0.6447 V/m	0.4769 V/m	0.3786 V/m
465	05/17/2012 11:19:05 AM	0.7589 V/m	0.5570 V/m	0.4249 V/m
466	05/17/2012 11:19:15 AM	0.8033 V/m	0.6331 V/m	0.4420 V/m
467	05/17/2012 11:19:25 AM	0.6904 V/m	0.4960 V/m	0.4138 V/m
468	05/17/2012 11:19:35 AM	0.6920 V/m	0.5659 V/m	0.4679 V/m
469	05/17/2012 11:19:45 AM	0.6460 V/m	0.5477 V/m	0.4158 V/m
470	05/17/2012 11:19:55 AM	0.5760 V/m	0.4700 V/m	0.4105 V/m
471	05/17/2012 11:20:05 AM	0.7365 V/m	0.5132 V/m	0.4011 V/m
472	05/17/2012 11:20:15 AM	0.8104 V/m	0.5488 V/m	0.4105 V/m
473	05/17/2012 11:20:25 AM	0.5859 V/m	0.4510 V/m	0.3691 V/m
474	05/17/2012 11:20:35 AM	0.5477 V/m	0.4317 V/m	0.3623 V/m
475	05/17/2012 11:20:45 AM	0.6314 V/m	0.4962 V/m	0.3750 V/m
476	05/17/2012 11:20:55 AM	0.6353 V/m	0.4418 V/m	0.3757 V/m
477	05/17/2012 11:21:05 AM	0.6603 V/m	0.5030 V/m	0.3900 V/m
478	05/17/2012 11:21:15 AM	0.6187 V/m	0.4751 V/m	0.3963 V/m
479	05/17/2012 11:21:25 AM	0.7607 V/m	0.5224 V/m	0.3865 V/m
480	05/17/2012 11:21:35 AM	0.7447 V/m	0.5425 V/m	0.3698 V/m
481	05/17/2012 11:21:45 AM	0.7458 V/m	0.6043 V/m	0.4249 V/m
482	05/17/2012 11:21:55 AM	0.7034 V/m	0.5423 V/m	0.3928 V/m
483	05/17/2012 11:22:05 AM	0.6991 V/m	0.5285 V/m	0.4078 V/m
484	05/17/2012 11:22:15 AM	0.7506 V/m	0.6025 V/m	0.3963 V/m
485	05/17/2012 11:22:25 AM	0.8520 V/m	0.6775 V/m	0.4414 V/m
486	05/17/2012 11:22:35 AM	0.7465 V/m	0.5721 V/m	0.4092 V/m
487	05/17/2012 11:22:45 AM	0.6532 V/m	0.4896 V/m	0.3907 V/m
488	05/17/2012 11:22:55 AM	0.6694 V/m	0.5439 V/m	0.4307 V/m

489	05/17/2012 11:23:05 AM	0.5045 V/m	0.4488 V/m	0.3900 V/m
490	05/17/2012 11:23:15 AM	0.5120 V/m	0.4341 V/m	0.3843 V/m
491	05/17/2012 11:23:25 AM	0.4506 V/m	0.4119 V/m	0.3623 V/m
492	05/17/2012 11:23:35 AM	0.4737 V/m	0.4048 V/m	0.3646 V/m
493	05/17/2012 11:23:45 AM	0.5221 V/m	0.4217 V/m	0.3508 V/m
494	05/17/2012 11:23:55 AM	0.4584 V/m	0.4002 V/m	0.3578 V/m
495	05/17/2012 11:24:05 AM	0.4518 V/m	0.4141 V/m	0.3757 V/m
496	05/17/2012 11:24:15 AM	0.6624 V/m	0.4386 V/m	0.3631 V/m
497	05/17/2012 11:24:25 AM	0.5722 V/m	0.4222 V/m	0.3698 V/m
498	05/17/2012 11:24:35 AM	0.4445 V/m	0.3846 V/m	0.3501 V/m
499	05/17/2012 11:24:45 AM	0.4125 V/m	0.3731 V/m	0.3341 V/m
500	05/17/2012 11:24:55 AM	0.5299 V/m	0.4057 V/m	0.3601 V/m
501	05/17/2012 11:25:05 AM	0.4913 V/m	0.4149 V/m	0.3750 V/m
502	05/17/2012 11:25:15 AM	0.4578 V/m	0.4089 V/m	0.3461 V/m
503	05/17/2012 11:25:25 AM	0.6840 V/m	0.5097 V/m	0.3508 V/m
504	05/17/2012 11:25:35 AM	0.6218 V/m	0.4785 V/m	0.3757 V/m
505	05/17/2012 11:25:45 AM	0.7245 V/m	0.5989 V/m	0.4191 V/m
506	05/17/2012 11:25:55 AM	0.7111 V/m	0.5984 V/m	0.4376 V/m
507	05/17/2012 11:26:05 AM	0.7658 V/m	0.5961 V/m	0.4560 V/m
508	05/17/2012 11:26:15 AM	0.9050 V/m	0.7480 V/m	0.4542 V/m
509	05/17/2012 11:26:25 AM	0.8754 V/m	0.7273 V/m	0.5012 V/m
510	05/17/2012 11:26:35 AM	0.8547 V/m	0.6558 V/m	0.4548 V/m
511	05/17/2012 11:26:45 AM	0.7439 V/m	0.5413 V/m	0.3661 V/m
512	05/17/2012 11:26:55 AM	0.6196 V/m	0.4571 V/m	0.4044 V/m
513	05/17/2012 11:27:05 AM	0.5163 V/m	0.4245 V/m	0.3822 V/m
514	05/17/2012 11:27:15 AM	0.6686 V/m	0.4664 V/m	0.3815 V/m
515	05/17/2012 11:27:25 AM	0.5915 V/m	0.4491 V/m	0.3850 V/m
516	05/17/2012 11:27:35 AM	0.6706 V/m	0.5287 V/m	0.4197 V/m
517	05/17/2012 11:27:45 AM	0.6240 V/m	0.4463 V/m	0.3851 V/m
518	05/17/2012 11:27:55 AM	0.4560 V/m	0.4094 V/m	0.3691 V/m
519	05/17/2012 11:28:05 AM	0.4811 V/m	0.4339 V/m	0.3793 V/m
520	05/17/2012 11:28:15 AM	0.6209 V/m	0.4627 V/m	0.3879 V/m
521	05/17/2012 11:28:25 AM	0.6689 V/m	0.4762 V/m	0.3956 V/m
522	05/17/2012 11:28:35 AM	0.6908 V/m	0.5266 V/m	0.3661 V/m
523	05/17/2012 11:28:45 AM	0.7509 V/m	0.5752 V/m	0.4643 V/m
524	05/17/2012 11:28:55 AM	0.6323 V/m	0.5261 V/m	0.4345 V/m
525	05/17/2012 11:29:05 AM	0.5975 V/m	0.4936 V/m	0.3728 V/m
526	05/17/2012 11:29:15 AM	0.6002 V/m	0.4376 V/m	0.3764 V/m
527	05/17/2012 11:29:25 AM	0.6366 V/m	0.4714 V/m	0.3779 V/m
528	05/17/2012 11:29:35 AM	0.7604 V/m	0.5353 V/m	0.4432 V/m
529	05/17/2012 11:29:45 AM	0.6607 V/m	0.4797 V/m	0.3836 V/m
530	05/17/2012 11:29:55 AM	0.6796 V/m	0.5163 V/m	0.3949 V/m
531	05/17/2012 11:30:05 AM	0.7092 V/m	0.4928 V/m	0.3793 V/m
532	05/17/2012 11:30:15 AM	0.6213 V/m	0.4580 V/m	0.3555 V/m
533	05/17/2012 11:30:25 AM	0.5948 V/m	0.4666 V/m	0.3539 V/m
534	05/17/2012 11:30:35 AM	0.5934 V/m	0.4247 V/m	0.3836 V/m
535	05/17/2012 11:30:45 AM	0.4913 V/m	0.4347 V/m	0.3836 V/m
536	05/17/2012 11:30:55 AM	0.4754 V/m	0.4225 V/m	0.3623 V/m
537	05/17/2012 11:31:05 AM	0.4608 V/m	0.4126 V/m	0.3608 V/m
538	05/17/2012 11:31:15 AM	0.7495 V/m	0.5759 V/m	0.3956 V/m
539	05/17/2012 11:31:25 AM	0.7588 V/m	0.4966 V/m	0.3623 V/m
540	05/17/2012 11:31:35 AM	0.6439 V/m	0.4961 V/m	0.3850 V/m
541	05/17/2012 11:31:45 AM	0.6460 V/m	0.5487 V/m	0.4395 V/m
542	05/17/2012 11:31:55 AM	0.6731 V/m	0.5134 V/m	0.3713 V/m
543	05/17/2012 11:32:05 AM	0.6987 V/m	0.5722 V/m	0.4488 V/m

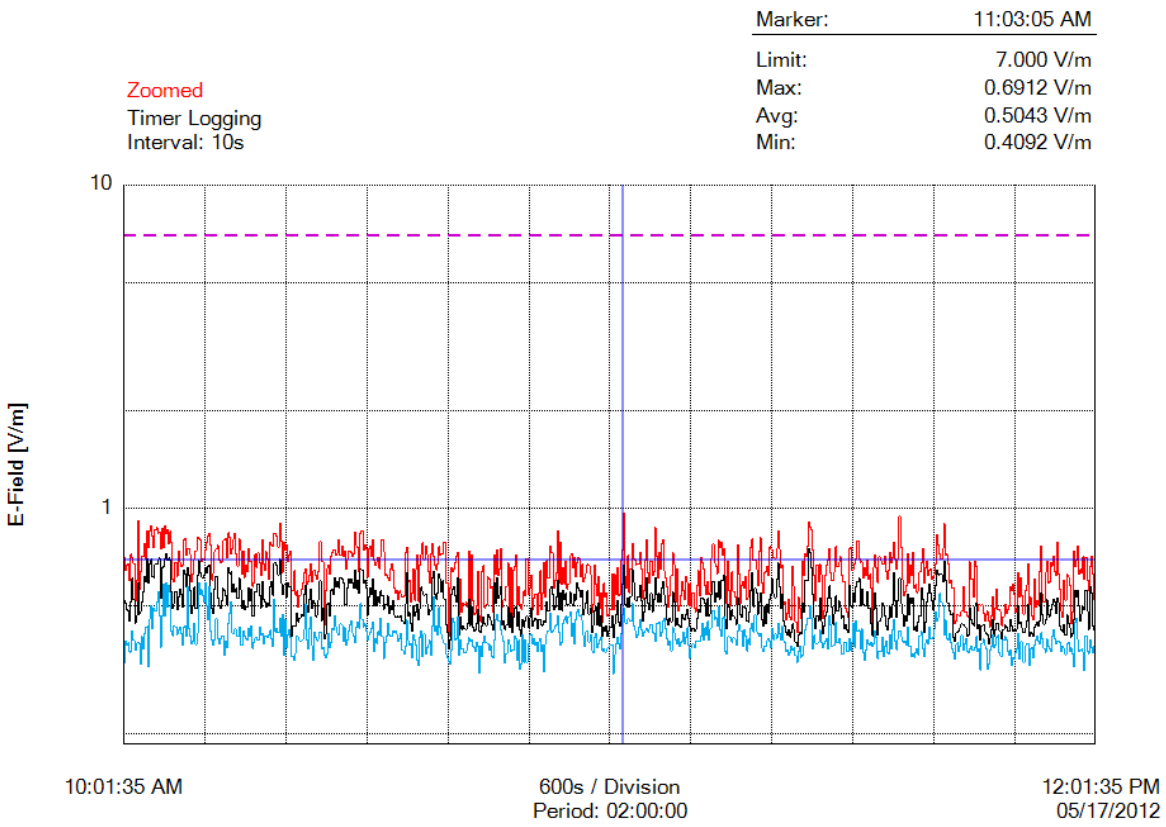
544	05/17/2012 11:32:15 AM	0.7937 V/m	0.5929 V/m	0.4165 V/m
545	05/17/2012 11:32:25 AM	0.6979 V/m	0.6070 V/m	0.4204 V/m
546	05/17/2012 11:32:35 AM	0.6812 V/m	0.4992 V/m	0.3676 V/m
547	05/17/2012 11:32:45 AM	0.6820 V/m	0.5608 V/m	0.4236 V/m
548	05/17/2012 11:32:55 AM	0.6093 V/m	0.5030 V/m	0.3585 V/m
549	05/17/2012 11:33:05 AM	0.6545 V/m	0.4986 V/m	0.3389 V/m
550	05/17/2012 11:33:15 AM	0.6179 V/m	0.4996 V/m	0.3646 V/m
551	05/17/2012 11:33:25 AM	0.6920 V/m	0.5490 V/m	0.3907 V/m
552	05/17/2012 11:33:35 AM	0.6025 V/m	0.4912 V/m	0.3793 V/m
553	05/17/2012 11:33:45 AM	0.6236 V/m	0.4925 V/m	0.3786 V/m
554	05/17/2012 11:33:55 AM	0.5655 V/m	0.4411 V/m	0.3843 V/m
555	05/17/2012 11:34:05 AM	0.4301 V/m	0.4035 V/m	0.3750 V/m
556	05/17/2012 11:34:15 AM	0.6590 V/m	0.4871 V/m	0.3822 V/m
557	05/17/2012 11:34:25 AM	0.7176 V/m	0.5463 V/m	0.4178 V/m
558	05/17/2012 11:34:35 AM	0.6545 V/m	0.4889 V/m	0.3970 V/m
559	05/17/2012 11:34:45 AM	0.5883 V/m	0.4057 V/m	0.3422 V/m
560	05/17/2012 11:34:55 AM	0.7092 V/m	0.4464 V/m	0.3623 V/m
561	05/17/2012 11:35:05 AM	0.6892 V/m	0.4579 V/m	0.3601 V/m
562	05/17/2012 11:35:15 AM	0.6702 V/m	0.5098 V/m	0.3983 V/m
563	05/17/2012 11:35:25 AM	0.6698 V/m	0.5010 V/m	0.3477 V/m
564	05/17/2012 11:35:35 AM	0.7100 V/m	0.4657 V/m	0.3742 V/m
565	05/17/2012 11:35:45 AM	0.6380 V/m	0.4332 V/m	0.3879 V/m
566	05/17/2012 11:35:55 AM	0.6053 V/m	0.4215 V/m	0.3585 V/m
567	05/17/2012 11:36:05 AM	0.6456 V/m	0.4548 V/m	0.3532 V/m
568	05/17/2012 11:36:15 AM	0.7291 V/m	0.4958 V/m	0.4045 V/m
569	05/17/2012 11:36:25 AM	0.6776 V/m	0.4606 V/m	0.3661 V/m
570	05/17/2012 11:36:35 AM	0.7049 V/m	0.5061 V/m	0.4210 V/m
571	05/17/2012 11:36:45 AM	0.7864 V/m	0.6323 V/m	0.4536 V/m
572	05/17/2012 11:36:55 AM	0.6971 V/m	0.5186 V/m	0.3865 V/m
573	05/17/2012 11:37:05 AM	0.6460 V/m	0.4587 V/m	0.3646 V/m
574	05/17/2012 11:37:15 AM	0.6971 V/m	0.5186 V/m	0.3935 V/m
575	05/17/2012 11:37:25 AM	0.9467 V/m	0.6071 V/m	0.4171 V/m
576	05/17/2012 11:37:35 AM	0.7571 V/m	0.5073 V/m	0.4004 V/m
577	05/17/2012 11:37:45 AM	0.6016 V/m	0.4717 V/m	0.3886 V/m
578	05/17/2012 11:37:55 AM	0.5356 V/m	0.4319 V/m	0.3836 V/m
579	05/17/2012 11:38:05 AM	0.5507 V/m	0.4641 V/m	0.3879 V/m
580	05/17/2012 11:38:15 AM	0.5770 V/m	0.4482 V/m	0.3779 V/m
581	05/17/2012 11:38:25 AM	0.7211 V/m	0.5408 V/m	0.4294 V/m
582	05/17/2012 11:38:35 AM	0.5887 V/m	0.4669 V/m	0.3750 V/m
583	05/17/2012 11:38:45 AM	0.6645 V/m	0.5262 V/m	0.3735 V/m
584	05/17/2012 11:38:55 AM	0.6182 V/m	0.5100 V/m	0.3469 V/m
585	05/17/2012 11:39:05 AM	0.7294 V/m	0.5283 V/m	0.3539 V/m
586	05/17/2012 11:39:15 AM	0.5659 V/m	0.4210 V/m	0.3461 V/m
587	05/17/2012 11:39:25 AM	0.5798 V/m	0.4311 V/m	0.3578 V/m
588	05/17/2012 11:39:35 AM	0.5472 V/m	0.4161 V/m	0.3676 V/m
589	05/17/2012 11:39:45 AM	0.5552 V/m	0.4450 V/m	0.3516 V/m
590	05/17/2012 11:39:55 AM	0.6349 V/m	0.4646 V/m	0.4024 V/m
591	05/17/2012 11:40:05 AM	0.6784 V/m	0.5663 V/m	0.4151 V/m
592	05/17/2012 11:40:15 AM	0.7502 V/m	0.5221 V/m	0.3683 V/m
593	05/17/2012 11:40:25 AM	0.5878 V/m	0.4125 V/m	0.3485 V/m
594	05/17/2012 11:40:35 AM	0.6532 V/m	0.4428 V/m	0.3822 V/m
595	05/17/2012 11:40:45 AM	0.6848 V/m	0.5125 V/m	0.3928 V/m
596	05/17/2012 11:40:55 AM	0.6200 V/m	0.5449 V/m	0.3808 V/m
597	05/17/2012 11:41:05 AM	0.6456 V/m	0.5823 V/m	0.4275 V/m
598	05/17/2012 11:41:15 AM	0.6498 V/m	0.5453 V/m	0.3956 V/m

599	05/17/2012 11:41:25 AM	0.6053 V/m	0.5161 V/m	0.3956 V/m
600	05/17/2012 11:41:35 AM	0.6165 V/m	0.4871 V/m	0.3976 V/m
601	05/17/2012 11:41:45 AM	0.6231 V/m	0.5217 V/m	0.4230 V/m
602	05/17/2012 11:41:55 AM	0.6731 V/m	0.5770 V/m	0.4783 V/m
603	05/17/2012 11:42:05 AM	0.8292 V/m	0.6438 V/m	0.4482 V/m
604	05/17/2012 11:42:15 AM	0.7668 V/m	0.6215 V/m	0.4596 V/m
605	05/17/2012 11:42:25 AM	0.7226 V/m	0.6281 V/m	0.5462 V/m
606	05/17/2012 11:42:35 AM	0.6967 V/m	0.6232 V/m	0.5120 V/m
607	05/17/2012 11:42:45 AM	0.7517 V/m	0.5926 V/m	0.5028 V/m
608	05/17/2012 11:42:55 AM	0.8959 V/m	0.6868 V/m	0.4045 V/m
609	05/17/2012 11:43:05 AM	0.7158 V/m	0.5993 V/m	0.4506 V/m
610	05/17/2012 11:43:15 AM	0.7207 V/m	0.5113 V/m	0.3956 V/m
611	05/17/2012 11:43:25 AM	0.6739 V/m	0.5096 V/m	0.3900 V/m
612	05/17/2012 11:43:35 AM	0.5873 V/m	0.4800 V/m	0.4105 V/m
613	05/17/2012 11:43:45 AM	0.6007 V/m	0.4701 V/m	0.3843 V/m
614	05/17/2012 11:43:55 AM	0.5650 V/m	0.4714 V/m	0.3676 V/m
615	05/17/2012 11:44:05 AM	0.5650 V/m	0.3983 V/m	0.3578 V/m
616	05/17/2012 11:44:15 AM	0.4401 V/m	0.3865 V/m	0.3405 V/m
617	05/17/2012 11:44:25 AM	0.4500 V/m	0.4123 V/m	0.3800 V/m
618	05/17/2012 11:44:35 AM	0.4696 V/m	0.4121 V/m	0.3836 V/m
619	05/17/2012 11:44:45 AM	0.4661 V/m	0.4182 V/m	0.3601 V/m
620	05/17/2012 11:44:55 AM	0.4638 V/m	0.4280 V/m	0.3742 V/m
621	05/17/2012 11:45:05 AM	0.4811 V/m	0.4393 V/m	0.4045 V/m
622	05/17/2012 11:45:15 AM	0.5741 V/m	0.4379 V/m	0.3638 V/m
623	05/17/2012 11:45:25 AM	0.4794 V/m	0.4303 V/m	0.3815 V/m
624	05/17/2012 11:45:35 AM	0.4789 V/m	0.4271 V/m	0.3956 V/m
625	05/17/2012 11:45:45 AM	0.4643 V/m	0.4019 V/m	0.3616 V/m
626	05/17/2012 11:45:55 AM	0.4596 V/m	0.4043 V/m	0.3570 V/m
627	05/17/2012 11:46:05 AM	0.6820 V/m	0.4925 V/m	0.3683 V/m
628	05/17/2012 11:46:15 AM	0.6044 V/m	0.4514 V/m	0.3757 V/m
629	05/17/2012 11:46:25 AM	0.6057 V/m	0.4412 V/m	0.3654 V/m
630	05/17/2012 11:46:35 AM	0.5299 V/m	0.4340 V/m	0.3654 V/m
631	05/17/2012 11:46:45 AM	0.6868 V/m	0.4976 V/m	0.3698 V/m
632	05/17/2012 11:46:55 AM	0.6582 V/m	0.5097 V/m	0.4011 V/m
633	05/17/2012 11:47:05 AM	0.4800 V/m	0.4251 V/m	0.3601 V/m
634	05/17/2012 11:47:15 AM	0.5045 V/m	0.4359 V/m	0.3676 V/m
635	05/17/2012 11:47:25 AM	0.5001 V/m	0.3896 V/m	0.3164 V/m
636	05/17/2012 11:47:35 AM	0.5023 V/m	0.4329 V/m	0.3822 V/m
637	05/17/2012 11:47:45 AM	0.4737 V/m	0.4367 V/m	0.3935 V/m
638	05/17/2012 11:47:55 AM	0.4487 V/m	0.4164 V/m	0.3764 V/m
639	05/17/2012 11:48:05 AM	0.4673 V/m	0.4088 V/m	0.3669 V/m
640	05/17/2012 11:48:15 AM	0.4800 V/m	0.4072 V/m	0.3172 V/m
641	05/17/2012 11:48:25 AM	0.4482 V/m	0.3811 V/m	0.3308 V/m
642	05/17/2012 11:48:35 AM	0.4301 V/m	0.3967 V/m	0.3638 V/m
643	05/17/2012 11:48:45 AM	0.4632 V/m	0.4197 V/m	0.3742 V/m
644	05/17/2012 11:48:55 AM	0.5315 V/m	0.4534 V/m	0.4045 V/m
645	05/17/2012 11:49:05 AM	0.4536 V/m	0.4034 V/m	0.3691 V/m
646	05/17/2012 11:49:15 AM	0.4896 V/m	0.4206 V/m	0.3786 V/m
647	05/17/2012 11:49:25 AM	0.5635 V/m	0.4419 V/m	0.3997 V/m
648	05/17/2012 11:49:35 AM	0.4845 V/m	0.4382 V/m	0.4045 V/m
649	05/17/2012 11:49:45 AM	0.4874 V/m	0.4178 V/m	0.3578 V/m
650	05/17/2012 11:49:55 AM	0.4783 V/m	0.4137 V/m	0.3493 V/m
651	05/17/2012 11:50:05 AM	0.4332 V/m	0.3940 V/m	0.3485 V/m
652	05/17/2012 11:50:15 AM	0.4608 V/m	0.4215 V/m	0.3914 V/m
653	05/17/2012 11:50:25 AM	0.5056 V/m	0.4351 V/m	0.4017 V/m

654	05/17/2012 11:50:35 AM	0.4714 V/m	0.4286 V/m	0.3907 V/m
655	05/17/2012 11:50:45 AM	0.4857 V/m	0.4186 V/m	0.3616 V/m
656	05/17/2012 11:50:55 AM	0.4985 V/m	0.4182 V/m	0.3501 V/m
657	05/17/2012 11:51:05 AM	0.5731 V/m	0.4538 V/m	0.3653 V/m
658	05/17/2012 11:51:15 AM	0.5561 V/m	0.4314 V/m	0.3274 V/m
659	05/17/2012 11:51:25 AM	0.5807 V/m	0.4154 V/m	0.3437 V/m
660	05/17/2012 11:51:35 AM	0.5411 V/m	0.4230 V/m	0.3413 V/m
661	05/17/2012 11:51:45 AM	0.4777 V/m	0.4155 V/m	0.3585 V/m
662	05/17/2012 11:51:55 AM	0.4912 V/m	0.4228 V/m	0.3676 V/m
663	05/17/2012 11:52:05 AM	0.6314 V/m	0.5010 V/m	0.4098 V/m
664	05/17/2012 11:52:15 AM	0.5320 V/m	0.4381 V/m	0.3421 V/m
665	05/17/2012 11:52:25 AM	0.6107 V/m	0.4457 V/m	0.3872 V/m
666	05/17/2012 11:52:35 AM	0.5356 V/m	0.4258 V/m	0.3858 V/m
667	05/17/2012 11:52:45 AM	0.4696 V/m	0.4127 V/m	0.3341 V/m
668	05/17/2012 11:52:55 AM	0.5562 V/m	0.4251 V/m	0.3757 V/m
669	05/17/2012 11:53:05 AM	0.5789 V/m	0.4486 V/m	0.3801 V/m
670	05/17/2012 11:53:15 AM	0.6743 V/m	0.5027 V/m	0.3822 V/m
671	05/17/2012 11:53:25 AM	0.5029 V/m	0.4030 V/m	0.3258 V/m
672	05/17/2012 11:53:35 AM	0.5299 V/m	0.4139 V/m	0.3676 V/m
673	05/17/2012 11:53:45 AM	0.4631 V/m	0.4109 V/m	0.3720 V/m
674	05/17/2012 11:53:55 AM	0.4524 V/m	0.4033 V/m	0.3437 V/m
675	05/17/2012 11:54:05 AM	0.6034 V/m	0.4275 V/m	0.3771 V/m
676	05/17/2012 11:54:15 AM	0.4941 V/m	0.4370 V/m	0.3907 V/m
677	05/17/2012 11:54:25 AM	0.5173 V/m	0.4431 V/m	0.4017 V/m
678	05/17/2012 11:54:35 AM	0.5045 V/m	0.4322 V/m	0.3872 V/m
679	05/17/2012 11:54:45 AM	0.6366 V/m	0.4495 V/m	0.3793 V/m
680	05/17/2012 11:54:55 AM	0.7665 V/m	0.5488 V/m	0.4118 V/m
681	05/17/2012 11:55:05 AM	0.5396 V/m	0.4668 V/m	0.3949 V/m
682	05/17/2012 11:55:15 AM	0.5115 V/m	0.4367 V/m	0.3683 V/m
683	05/17/2012 11:55:25 AM	0.6327 V/m	0.4509 V/m	0.3585 V/m
684	05/17/2012 11:55:35 AM	0.6864 V/m	0.5216 V/m	0.3935 V/m
685	05/17/2012 11:55:45 AM	0.5864 V/m	0.4701 V/m	0.3735 V/m
686	05/17/2012 11:55:55 AM	0.5933 V/m	0.4617 V/m	0.3676 V/m
687	05/17/2012 11:56:05 AM	0.6776 V/m	0.4863 V/m	0.3616 V/m
688	05/17/2012 11:56:15 AM	0.6632 V/m	0.5030 V/m	0.4004 V/m
689	05/17/2012 11:56:25 AM	0.7072 V/m	0.5239 V/m	0.4198 V/m
690	05/17/2012 11:56:35 AM	0.6379 V/m	0.5109 V/m	0.3949 V/m
691	05/17/2012 11:56:45 AM	0.6187 V/m	0.4711 V/m	0.3822 V/m
692	05/17/2012 11:56:55 AM	0.7846 V/m	0.5264 V/m	0.3879 V/m
693	05/17/2012 11:57:05 AM	0.6236 V/m	0.5103 V/m	0.3893 V/m
694	05/17/2012 11:57:15 AM	0.5606 V/m	0.4322 V/m	0.3836 V/m
695	05/17/2012 11:57:25 AM	0.4789 V/m	0.4202 V/m	0.3593 V/m
696	05/17/2012 11:57:35 AM	0.4602 V/m	0.4142 V/m	0.3750 V/m
697	05/17/2012 11:57:45 AM	0.6007 V/m	0.4369 V/m	0.3683 V/m
698	05/17/2012 11:57:55 AM	0.5184 V/m	0.4045 V/m	0.3524 V/m
699	05/17/2012 11:58:05 AM	0.6231 V/m	0.4670 V/m	0.3808 V/m
700	05/17/2012 11:58:15 AM	0.6129 V/m	0.4395 V/m	0.3843 V/m
701	05/17/2012 11:58:25 AM	0.5779 V/m	0.4267 V/m	0.3601 V/m
702	05/17/2012 11:58:35 AM	0.4414 V/m	0.3999 V/m	0.3691 V/m
703	05/17/2012 11:58:45 AM	0.4788 V/m	0.4078 V/m	0.3547 V/m
704	05/17/2012 11:58:55 AM	0.7338 V/m	0.4536 V/m	0.3232 V/m
705	05/17/2012 11:59:05 AM	0.6607 V/m	0.5573 V/m	0.4445 V/m
706	05/17/2012 11:59:15 AM	0.6896 V/m	0.5329 V/m	0.4560 V/m
707	05/17/2012 11:59:25 AM	0.7635 V/m	0.5581 V/m	0.3928 V/m
708	05/17/2012 11:59:35 AM	0.6270 V/m	0.4967 V/m	0.3601 V/m

709	05/17/2012 11:59:45 AM	0.6460 V/m	0.4486 V/m	0.3638 V/m
710	05/17/2012 11:59:55 AM	0.6318 V/m	0.4723 V/m	0.3668 V/m
711	05/17/2012 12:00:05 PM	0.7073 V/m	0.4964 V/m	0.3585 V/m
712	05/17/2012 12:00:15 PM	0.6012 V/m	0.4839 V/m	0.3146 V/m
713	05/17/2012 12:00:25 PM	0.7048 V/m	0.5580 V/m	0.4038 V/m
714	05/17/2012 12:00:35 PM	0.6007 V/m	0.4804 V/m	0.3623 V/m
715	05/17/2012 12:00:45 PM	0.5586 V/m	0.4215 V/m	0.3555 V/m
716	05/17/2012 12:00:55 PM	0.6611 V/m	0.5726 V/m	0.3907 V/m
717	05/17/2012 12:01:05 PM	0.7096 V/m	0.5483 V/m	0.3720 V/m
718	05/17/2012 12:01:15 PM	0.6257 V/m	0.4324 V/m	0.3585 V/m
719	05/17/2012 12:01:25 PM	0.5242 V/m	0.4205 V/m	0.3757 V/m
720	05/17/2012 12:01:35 PM	0.6279 V/m	0.4431 V/m	0.3691 V/m

Graph


Marker: 11:03:05 AM
Limit: 7.000 V/m
Max: 0.6912 V/m
Avg: 0.5043 V/m
Min: 0.4092 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:01:35 AM
600s / Division
Period: 02:00:00
12:01:35 PM
05/17/2012

Parameters

Number of Sub Indices	720
Storing Date	05/17/2012
Storing Time	10:01:35 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	NORMAL
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 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	-

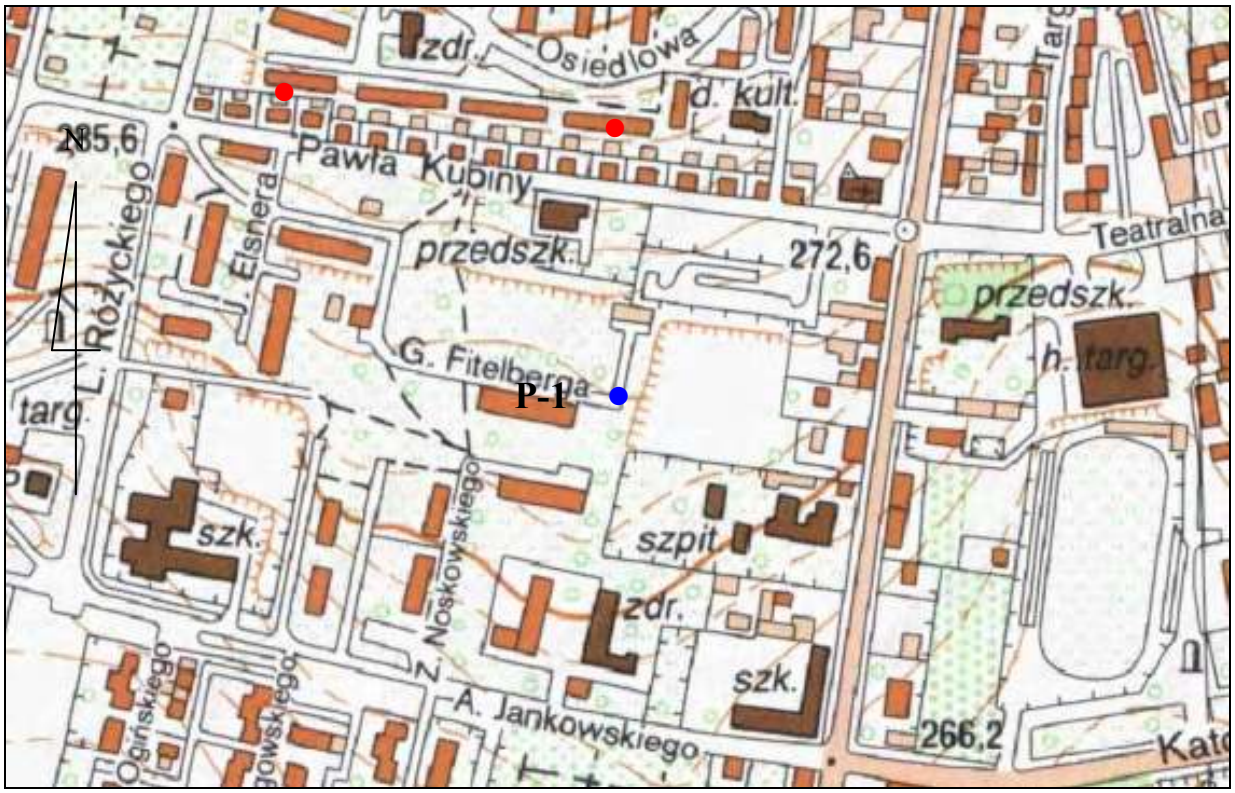
FOTOGRAFIE REJONU BADAŃ:

Fot. 1. Rejon badań, widok w kierunku północnym

Fot. 2. Rejon badań, widok w kierunku południowo-zachodnim

Fot. 3. Rejon badań, widok w kierunku południowym

Fot. 4. Urządzenie pomiarowe w trakcie prowadzonego badania



RUDA ŚLĄSKA

Oznaczenia:

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

Ryc. Szkic sytuacyjny rejonu badań.