



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



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SPRAWOZDANIE Z BADAŃ NR 1753/2015

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

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

**Pomiary monitoringowe poziomów pól elektromagnetycznych
w przedziale częstotliwości
100 kHz – 3 GHz
(składowej elektrycznej E)
w środowisku,
wykonane dnia 28 sierpnia 2015 r.
na terenie zabudowy mieszkaniowej i usługowej,
w POREBIE,
Miasto - Poręba
Powiat – zawierciański,
województwo śląskie.**

Wyniki badań dotyczą tylko badanego obiektu.

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

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

Wykonujący badania:

1. Agnieszka Turek – Specjalista

2. Wojciech Klama – Specjalista

Osoba autoryzująca sprawozdanie:

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Pieczęć i podpis

Zatwierdził:

Pieczęć i podpis

Częstochowa, 23.12.2015

1. PODSTAWA BADAŃ

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

2. CEL BADAŃ

Celem badań jest określenie poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, w miejscach dostępnych dla ludności, na terenie obszaru zabudowy mieszkaniowej i usługowej, położonej w mieście Poręba, w rozumieniu wytycznych Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. (Dz. U. Nr 221, Poz. 1645), w ramach programu Państwowego Monitoringu Środowiska, 2015 r.

3. TEREN BADAŃ

Punkt pomiarowy P-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Poręba, w jego centralnej części przy ul. Chopina. 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 zabudowa mieszkaniowa wielorodzinna kilkukondygnacyjna oraz tereny zieleni miejskiej. Najbliższy obiekt budowlany – budynek mieszkalny wielorodzinny, oddalony o 22 m, znajduje się w kierunku wschodnim. W kierunku północnym przebiega Droga Krajowa nr 78. W kierunku północnym w odległości około 220 m od punktu pomiarowego P-1, na betonowych silosach zlokalizowane są 2 instalacje radiokomunikacyjne – stacje bazowe telefonii komórkowych..

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

Pozostałe miasta (poniżej 50 tys. mieszkańców)

Nomenklatura jednostki terytorialnej (NTS):

Poręba 5.2.24.50.16.01.1

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

N 50°29'11.8"

E 19°20'17.0"

Wysokość lokalizacji punktu pomiarowego:

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

Odległości punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych

Odległości punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych zabudowy mieszkaniowej - wielorodzinnej, zlokalizowanej w pobliżu przekroju pomiarowego poziomów pól w środowisku:

l = 22 [m] - od elewacji budynku mieszkalnego wielorodzinnego przy ul. Chopina.

Lokalizacja punktu pomiarowego – skwer zieleni przy ul. Chopina.

4. METODYKA BADAŃ

Rozporządzenie Ministra Środowiska z dnia 12 listopada 2007 r. w sprawie zakresu i sposobu prowadzenia okresowych badań poziomów pól elektromagnetycznych w środowisku (Dz. U. Nr 221, Poz. 1645).

5. WYPOSAŻENIE POMIAROWE

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

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

Szczegółowe dane identyfikacyjne przyrządów przedstawiono w tabeli poniżej

Tabela 1

Pomiary poziomów pól elektromagnetycznych częstotliwości 100 kHz – 3 GHz (składowej elektrycznej) w środowisku		Pomiary warunków meteorologicznych w środowisku	
Przyrząd pomiarowy	Typ: Broadband Field Meter NBM-550 P/N: 2401/01 S/N: B-0507 Producent: Narda Safety Test Solutions GmbH, Niemcy;	Przyrząd pomiarowy	Typ: MAWS – 201C S. no.: G131055 Producent: Vaisala, Finlandia
Sonda pomiarowa	Typ: EF0391, E-Field P/N: 2402/01 S/N: A-0636 Producent: j.w. Zakres: 100 kHz – 3 GHz Charakterystyka częstotliwościowa czułości: +/- 1 dB (1MHz – 1 GHz) +/- 1,25dB (1GHz – 2,45 GHz)		
Data i czasokres pomiarów	28-08-2015 r.	Wyniki pomiarów:	
	10:12:09–12:11:59	T [°C]	27,1 – 27,9
		RH [%]	47,7 – 49,6
Częstotliwość próbkowania	f: 10 sec.	UWAGI: Pogodnie; Brak opadów atmosferycznych	

Gdzie:

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

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

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

Świadczenia wzorcowania nr:

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

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

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

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

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

6. INFORMACJE NA TEMAT INSTALACJI

RADIOKOMUNIKACYJNYCH, RADIOŁOKACYJNYCH, RADIONAWIGACYJNYCH REJONU BADAŃ PÓL ELEKTROMAGNETYCZNYCH ^{*)}

(* - w rozumieniu wymagań przedmiotowego Rozporządzenia)

W odległości około 220 m od punktu pomiarowego P-1, w kierunku północnym, znajdują się 4 betonowe silosy, na których zainstalowano anteny nadawczo-odbiorcze 2 stacji bazowych telefonii komórkowej administrowane przez Polkomtel S.A. oraz P4 Sp. z o.o. W poniższych tabelach przedstawiono informacje uzyskane od operatora odnośnie instalacji radiokomunikacyjnych.

Tabela 2

Zarządzający instalacją: Polkomtel S.A. ul. Postępu 3, 02-676 Warszawa					
Nazwa instalacji wg nomenklatury użytkownika: Stacja bazowa nr: BT 22159 POREBA					
Lokalizacja: Betonowe silosy przy ul. Ludowego Wojska Polskiego 1a					
Lp.	Azymut [°]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP _{max} [W]
1.	90	Anteny sektorowe 80010817	900 (GSM) 900 (WCDMA) 800 (LTE)	32,0	754
2.	270	Anteny sektorowe 80010817	900 (GSM) 900 (WCDMA) 800 (LTE)	32,0	716
3.	90	Anteny sektorowe 741989v01	1800 (LTE)	32,0	756
4.	270	Anteny sektorowe 741989v01	1800 (LTE)	32,0	716
EIRP _{max} , łącznie ze wszystkich anten sektorowych przedmiotowej instalacji: 2 940 [W] .					

Tabela 3

Zarządzający instalacją: P4 Sp. z o.o. ul. Taśmowa 7, 02-677 Warszawa,					
Nazwa instalacji wg nomenklatury użytkownika: Stacja bazowa nr: ZAW 2006A					
Lokalizacja: Betonowe silosy przy ul. Ludowego Wojska Polskiego 1					
Lp.	Azymut [^o]	Typ anteny	Pasma (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP _{max} [W]
1.	50	Anteny sektorowe 80010304 742215 742215	900, 1800, 2100	29,1 29,3 29,3	2138 5888 2089
2.	180	Anteny sektorowe 80010304 742215 742215	900, 1800, 2100	29,1 29,3 29,3	2138 5888 2089
3	290	Anteny sektorowe 80010304 742215 742215	900, 1800, 2100	32,1 32,3 32,3	2138 5888 2089
EIRP _{max} , łącznie ze wszystkich anten sektorowych przedmiotowej instalacji: 30 345 [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} [V/m]
1.	P-1 ul. Chopina Miasto – Poręba	0,61	± 0,15

Objaśnienia:

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

8. ZAŁĄCZNIKI

1. Raport pomiarowy

- w postaci elektronicznej, zarchiwizowany w siedzibie Laboratorium WIOŚ w Katowicach;

2. Fotografie rejonu badań, szt. 4.

3. Szkic sytuacyjny rejonu badań.

KONIEC SPRAWOZDANIA



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

Site	Coordinates
P-1, ul. Chopina Miasto - Poręba Powiat - zawierciański Województwo - śląskie	Latitude: 50°29'11.8" N Longitude: 19°20'17.0" E

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 28.08.2015 r., Poręba, woj. śląskie; Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia max elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 2.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2015 rok.

Timer: Start Time 10:11:59 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	08/28/2015 10:12:09 AM		0.8637 V/m	0.7302 V/m	0.6585 V/m
2	08/28/2015 10:12:19 AM		0.8958 V/m	0.6785 V/m	0.5256 V/m
3	08/28/2015 10:12:29 AM		0.6407 V/m	0.5178 V/m	0.4219 V/m
4	08/28/2015 10:12:39 AM		0.7230 V/m	0.5132 V/m	0.4263 V/m
5	08/28/2015 10:12:49 AM		0.5462 V/m	0.4745 V/m	0.4244 V/m
6	08/28/2015 10:12:59 AM		0.4628 V/m	0.4092 V/m	0.3742 V/m
7	08/28/2015 10:13:09 AM		0.4675 V/m	0.4182 V/m	0.3675 V/m
8	08/28/2015 10:13:19 AM		0.4434 V/m	0.3839 V/m	0.3468 V/m
9	08/28/2015 10:13:29 AM		0.4004 V/m	0.3713 V/m	0.3280 V/m
10	08/28/2015 10:13:39 AM		0.5953 V/m	0.4293 V/m	0.3322 V/m
11	08/28/2015 10:13:49 AM		0.4848 V/m	0.4473 V/m	0.3970 V/m
12	08/28/2015 10:13:59 AM		0.5065 V/m	0.4664 V/m	0.4327 V/m
13	08/28/2015 10:14:09 AM		0.4604 V/m	0.4135 V/m	0.3742 V/m
14	08/28/2015 10:14:19 AM		0.4586 V/m	0.4202 V/m	0.3900 V/m
15	08/28/2015 10:14:29 AM		0.4532 V/m	0.4131 V/m	0.3660 V/m
16	08/28/2015 10:14:39 AM		0.6794 V/m	0.4590 V/m	0.4025 V/m
17	08/28/2015 10:14:49 AM		0.6534 V/m	0.4934 V/m	0.4365 V/m
18	08/28/2015 10:14:59 AM		0.5547 V/m	0.5081 V/m	0.4520 V/m
19	08/28/2015 10:15:09 AM		0.4949 V/m	0.4527 V/m	0.4092 V/m
20	08/28/2015 10:15:19 AM		0.6547 V/m	0.5308 V/m	0.4422 V/m
21	08/28/2015 10:15:29 AM		0.5827 V/m	0.4591 V/m	0.3720 V/m
22	08/28/2015 10:15:39 AM		0.5846 V/m	0.4381 V/m	0.3491 V/m
23	08/28/2015 10:15:49 AM		0.8900 V/m	0.5963 V/m	0.3339 V/m
24	08/28/2015 10:15:59 AM		0.6189 V/m	0.5674 V/m	0.4905 V/m
25	08/28/2015 10:16:09 AM		0.5620 V/m	0.4858 V/m	0.3396 V/m
26	08/28/2015 10:16:19 AM		0.4854 V/m	0.4351 V/m	0.3977 V/m
27	08/28/2015 10:16:29 AM		0.5288 V/m	0.4586 V/m	0.3857 V/m
28	08/28/2015 10:16:39 AM		0.5395 V/m	0.4589 V/m	0.4032 V/m
29	08/28/2015 10:16:49 AM		0.6424 V/m	0.4467 V/m	0.3569 V/m
30	08/28/2015 10:16:59 AM		0.5421 V/m	0.4645 V/m	0.3807 V/m
31	08/28/2015 10:17:09 AM		0.6063 V/m	0.4171 V/m	0.3538 V/m
32	08/28/2015 10:17:19 AM		0.4634 V/m	0.3711 V/m	0.3028 V/m
33	08/28/2015 10:17:29 AM		0.4774 V/m	0.4120 V/m	0.3683 V/m
34	08/28/2015 10:17:39 AM		0.4422 V/m	0.3944 V/m	0.3491 V/m
35	08/28/2015 10:17:49 AM		0.4899 V/m	0.4298 V/m	0.3872 V/m
36	08/28/2015 10:17:59 AM		0.5472 V/m	0.4422 V/m	0.3984 V/m
37	08/28/2015 10:18:09 AM		0.5391 V/m	0.4412 V/m	0.4018 V/m
38	08/28/2015 10:18:19 AM		0.5462 V/m	0.4724 V/m	0.4334 V/m
39	08/28/2015 10:18:29 AM		0.5065 V/m	0.4685 V/m	0.4359 V/m
40	08/28/2015 10:18:39 AM		0.5940 V/m	0.4598 V/m	0.4072 V/m
41	08/28/2015 10:18:49 AM		0.5391 V/m	0.4718 V/m	0.4185 V/m
42	08/28/2015 10:18:59 AM		0.5146 V/m	0.4663 V/m	0.4251 V/m
43	08/28/2015 10:19:09 AM		0.5360 V/m	0.4943 V/m	0.4484 V/m
44	08/28/2015 10:19:19 AM		0.6747 V/m	0.4839 V/m	0.4032 V/m
45	08/28/2015 10:19:29 AM		0.5309 V/m	0.4386 V/m	0.3660 V/m
46	08/28/2015 10:19:39 AM		0.5576 V/m	0.4384 V/m	0.3653 V/m
47	08/28/2015 10:19:49 AM		0.4831 V/m	0.4261 V/m	0.3196 V/m
48	08/28/2015 10:19:59 AM		0.5124 V/m	0.4167 V/m	0.3436 V/m
49	08/28/2015 10:20:09 AM		0.5635 V/m	0.4157 V/m	0.3569 V/m
50	08/28/2015 10:20:19 AM		0.5441 V/m	0.4484 V/m	0.3668 V/m
51	08/28/2015 10:20:29 AM		0.4693 V/m	0.4134 V/m	0.3585 V/m
52	08/28/2015 10:20:39 AM		0.4610 V/m	0.4245 V/m	0.3630 V/m
53	08/28/2015 10:20:49 AM		0.4574 V/m	0.4209 V/m	0.3771 V/m



54	08/28/2015 10:20:59 AM	0.4899 V/m	0.4469 V/m	0.4038 V/m
55	08/28/2015 10:21:09 AM	0.4988 V/m	0.4452 V/m	0.4018 V/m
56	08/28/2015 10:21:19 AM	0.6036 V/m	0.4545 V/m	0.3836 V/m
57	08/28/2015 10:21:29 AM	0.4837 V/m	0.4419 V/m	0.3907 V/m
58	08/28/2015 10:21:39 AM	0.4972 V/m	0.4322 V/m	0.3645 V/m
59	08/28/2015 10:21:49 AM	0.4848 V/m	0.4421 V/m	0.3829 V/m
60	08/28/2015 10:21:59 AM	0.5741 V/m	0.4456 V/m	0.3921 V/m
61	08/28/2015 10:22:09 AM	0.4888 V/m	0.4376 V/m	0.4025 V/m
62	08/28/2015 10:22:19 AM	0.4849 V/m	0.4415 V/m	0.3815 V/m
63	08/28/2015 10:22:29 AM	0.5246 V/m	0.4621 V/m	0.4066 V/m
64	08/28/2015 10:22:39 AM	0.6027 V/m	0.4817 V/m	0.4146 V/m
65	08/28/2015 10:22:49 AM	0.5193 V/m	0.4618 V/m	0.4212 V/m
66	08/28/2015 10:22:59 AM	0.5193 V/m	0.4490 V/m	0.4025 V/m
67	08/28/2015 10:23:09 AM	0.5581 V/m	0.4586 V/m	0.3997 V/m
68	08/28/2015 10:23:19 AM	0.5406 V/m	0.4487 V/m	0.3990 V/m
69	08/28/2015 10:23:29 AM	0.5441 V/m	0.4541 V/m	0.4045 V/m
70	08/28/2015 10:23:39 AM	0.6099 V/m	0.4294 V/m	0.3584 V/m
71	08/28/2015 10:23:49 AM	0.5606 V/m	0.4368 V/m	0.3778 V/m
72	08/28/2015 10:23:59 AM	0.5004 V/m	0.4390 V/m	0.3645 V/m
73	08/28/2015 10:24:09 AM	0.4699 V/m	0.4070 V/m	0.3622 V/m
74	08/28/2015 10:24:19 AM	0.5817 V/m	0.4292 V/m	0.3734 V/m
75	08/28/2015 10:24:29 AM	0.5722 V/m	0.4411 V/m	0.3698 V/m
76	08/28/2015 10:24:39 AM	0.5521 V/m	0.4465 V/m	0.3607 V/m
77	08/28/2015 10:24:49 AM	0.6311 V/m	0.4539 V/m	0.3963 V/m
78	08/28/2015 10:24:59 AM	0.4556 V/m	0.4106 V/m	0.3554 V/m
79	08/28/2015 10:25:09 AM	0.5156 V/m	0.4222 V/m	0.3561 V/m
80	08/28/2015 10:25:19 AM	0.4960 V/m	0.4265 V/m	0.3683 V/m
81	08/28/2015 10:25:29 AM	0.5064 V/m	0.4460 V/m	0.3697 V/m
82	08/28/2015 10:25:39 AM	0.5482 V/m	0.4775 V/m	0.4334 V/m
83	08/28/2015 10:25:49 AM	0.5344 V/m	0.4643 V/m	0.3984 V/m
84	08/28/2015 10:25:59 AM	0.4508 V/m	0.4157 V/m	0.3814 V/m
85	08/28/2015 10:26:09 AM	0.5462 V/m	0.4652 V/m	0.3546 V/m
86	08/28/2015 10:26:19 AM	0.5644 V/m	0.5151 V/m	0.4471 V/m
87	08/28/2015 10:26:29 AM	0.5902 V/m	0.5120 V/m	0.4477 V/m
88	08/28/2015 10:26:39 AM	0.5953 V/m	0.4910 V/m	0.4038 V/m
89	08/28/2015 10:26:49 AM	0.6526 V/m	0.5423 V/m	0.4025 V/m
90	08/28/2015 10:26:59 AM	0.6220 V/m	0.5407 V/m	0.3850 V/m
91	08/28/2015 10:27:09 AM	0.5842 V/m	0.4740 V/m	0.3623 V/m
92	08/28/2015 10:27:19 AM	0.5732 V/m	0.5122 V/m	0.4508 V/m
93	08/28/2015 10:27:29 AM	0.6268 V/m	0.5442 V/m	0.4745 V/m
94	08/28/2015 10:27:39 AM	0.6868 V/m	0.6066 V/m	0.5049 V/m
95	08/28/2015 10:27:49 AM	0.7299 V/m	0.6428 V/m	0.5660 V/m
96	08/28/2015 10:27:59 AM	0.6654 V/m	0.5889 V/m	0.5114 V/m
97	08/28/2015 10:28:09 AM	0.6586 V/m	0.6003 V/m	0.5592 V/m
98	08/28/2015 10:28:19 AM	0.6502 V/m	0.5916 V/m	0.5345 V/m
99	08/28/2015 10:28:29 AM	0.6361 V/m	0.6043 V/m	0.5572 V/m
100	08/28/2015 10:28:39 AM	0.6068 V/m	0.5579 V/m	0.5103 V/m
101	08/28/2015 10:28:49 AM	0.6026 V/m	0.5030 V/m	0.4244 V/m
102	08/28/2015 10:28:59 AM	0.5054 V/m	0.4540 V/m	0.3879 V/m
103	08/28/2015 10:29:09 AM	0.5737 V/m	0.4904 V/m	0.3858 V/m
104	08/28/2015 10:29:19 AM	0.7659 V/m	0.5802 V/m	0.4447 V/m
105	08/28/2015 10:29:29 AM	0.7543 V/m	0.6315 V/m	0.4826 V/m
106	08/28/2015 10:29:39 AM	0.7716 V/m	0.6397 V/m	0.5070 V/m
107	08/28/2015 10:29:49 AM	0.7111 V/m	0.6122 V/m	0.5267 V/m
108	08/28/2015 10:29:59 AM	0.6651 V/m	0.5781 V/m	0.4899 V/m
109	08/28/2015 10:30:09 AM	1.056 V/m	0.8322 V/m	0.5649 V/m
110	08/28/2015 10:30:19 AM	0.7414 V/m	0.6293 V/m	0.5441 V/m
111	08/28/2015 10:30:29 AM	0.7385 V/m	0.5999 V/m	0.5065 V/m
112	08/28/2015 10:30:39 AM	0.7194 V/m	0.5823 V/m	0.4321 V/m
113	08/28/2015 10:30:49 AM	0.7185 V/m	0.6154 V/m	0.5273 V/m
114	08/28/2015 10:30:59 AM	0.8267 V/m	0.6197 V/m	0.4705 V/m
115	08/28/2015 10:31:09 AM	0.7799 V/m	0.6954 V/m	0.6260 V/m
116	08/28/2015 10:31:19 AM	0.8624 V/m	0.6963 V/m	0.6206 V/m



117	08/28/2015 10:31:29 AM	1.157 V/m	0.7894 V/m	0.6368 V/m
118	08/28/2015 10:31:39 AM	0.8566 V/m	0.6859 V/m	0.6058 V/m
119	08/28/2015 10:31:49 AM	0.7437 V/m	0.6450 V/m	0.5350 V/m
120	08/28/2015 10:31:59 AM	1.060 V/m	0.7052 V/m	0.5204 V/m
121	08/28/2015 10:32:09 AM	0.8008 V/m	0.6774 V/m	0.6108 V/m
122	08/28/2015 10:32:19 AM	0.7980 V/m	0.7122 V/m	0.6568 V/m
123	08/28/2015 10:32:29 AM	0.7823 V/m	0.6986 V/m	0.6424 V/m
124	08/28/2015 10:32:39 AM	0.7477 V/m	0.6854 V/m	0.6312 V/m
125	08/28/2015 10:32:49 AM	0.7973 V/m	0.7199 V/m	0.6577 V/m
126	08/28/2015 10:32:59 AM	0.8002 V/m	0.7201 V/m	0.6381 V/m
127	08/28/2015 10:33:09 AM	0.8483 V/m	0.7319 V/m	0.6118 V/m
128	08/28/2015 10:33:19 AM	0.9107 V/m	0.7456 V/m	0.6489 V/m
129	08/28/2015 10:33:29 AM	0.8056 V/m	0.6921 V/m	0.5808 V/m
130	08/28/2015 10:33:39 AM	0.7714 V/m	0.6769 V/m	0.6108 V/m
131	08/28/2015 10:33:49 AM	0.8635 V/m	0.6741 V/m	0.6023 V/m
132	08/28/2015 10:33:59 AM	0.7943 V/m	0.6793 V/m	0.5967 V/m
133	08/28/2015 10:34:09 AM	0.7838 V/m	0.6612 V/m	0.5949 V/m
134	08/28/2015 10:34:19 AM	0.6880 V/m	0.6476 V/m	0.5860 V/m
135	08/28/2015 10:34:29 AM	0.7344 V/m	0.6724 V/m	0.5650 V/m
136	08/28/2015 10:34:39 AM	0.8710 V/m	0.7303 V/m	0.6108 V/m
137	08/28/2015 10:34:49 AM	0.8615 V/m	0.7229 V/m	0.6118 V/m
138	08/28/2015 10:34:59 AM	1.176 V/m	0.8672 V/m	0.6454 V/m
139	08/28/2015 10:35:09 AM	0.9467 V/m	0.7825 V/m	0.7100 V/m
140	08/28/2015 10:35:19 AM	0.9281 V/m	0.7338 V/m	0.5541 V/m
141	08/28/2015 10:35:29 AM	0.8012 V/m	0.6717 V/m	0.5406 V/m
142	08/28/2015 10:35:39 AM	0.8624 V/m	0.6682 V/m	0.5611 V/m
143	08/28/2015 10:35:49 AM	0.9790 V/m	0.7844 V/m	0.5874 V/m
144	08/28/2015 10:35:59 AM	0.8348 V/m	0.7087 V/m	0.6237 V/m
145	08/28/2015 10:36:09 AM	0.9927 V/m	0.8192 V/m	0.6787 V/m
146	08/28/2015 10:36:19 AM	0.8849 V/m	0.7807 V/m	0.6475 V/m
147	08/28/2015 10:36:29 AM	0.9480 V/m	0.8101 V/m	0.6843 V/m
148	08/28/2015 10:36:39 AM	0.9291 V/m	0.7902 V/m	0.7084 V/m
149	08/28/2015 10:36:49 AM	0.8770 V/m	0.7239 V/m	0.5985 V/m
150	08/28/2015 10:36:59 AM	0.8335 V/m	0.7269 V/m	0.6416 V/m
151	08/28/2015 10:37:09 AM	0.8988 V/m	0.7503 V/m	0.6534 V/m
152	08/28/2015 10:37:19 AM	1.152 V/m	0.8732 V/m	0.7065 V/m
153	08/28/2015 10:37:29 AM	0.9731 V/m	0.8617 V/m	0.7659 V/m
154	08/28/2015 10:37:39 AM	1.024 V/m	0.8971 V/m	0.7901 V/m
155	08/28/2015 10:37:49 AM	0.9981 V/m	0.8114 V/m	0.6685 V/m
156	08/28/2015 10:37:59 AM	0.7977 V/m	0.7401 V/m	0.6355 V/m
157	08/28/2015 10:38:09 AM	0.8880 V/m	0.7501 V/m	0.6480 V/m
158	08/28/2015 10:38:19 AM	1.000 V/m	0.7608 V/m	0.6224 V/m
159	08/28/2015 10:38:29 AM	0.7817 V/m	0.6955 V/m	0.6040 V/m
160	08/28/2015 10:38:39 AM	0.8266 V/m	0.7462 V/m	0.6454 V/m
161	08/28/2015 10:38:49 AM	1.060 V/m	0.7504 V/m	0.6144 V/m
162	08/28/2015 10:38:59 AM	1.111 V/m	0.8561 V/m	0.6656 V/m
163	08/28/2015 10:39:09 AM	0.8038 V/m	0.6820 V/m	0.6207 V/m
164	08/28/2015 10:39:19 AM	0.7397 V/m	0.6862 V/m	0.6295 V/m
165	08/28/2015 10:39:29 AM	0.7400 V/m	0.6707 V/m	0.6238 V/m
166	08/28/2015 10:39:39 AM	0.7599 V/m	0.7043 V/m	0.6560 V/m
167	08/28/2015 10:39:49 AM	0.7911 V/m	0.7133 V/m	0.6665 V/m
168	08/28/2015 10:39:59 AM	0.7507 V/m	0.7016 V/m	0.6543 V/m
169	08/28/2015 10:40:09 AM	0.8960 V/m	0.7579 V/m	0.6632 V/m
170	08/28/2015 10:40:19 AM	0.8302 V/m	0.7209 V/m	0.6381 V/m
171	08/28/2015 10:40:29 AM	0.9217 V/m	0.7010 V/m	0.5406 V/m
172	08/28/2015 10:40:39 AM	0.9130 V/m	0.7588 V/m	0.5596 V/m
173	08/28/2015 10:40:49 AM	0.8661 V/m	0.7497 V/m	0.6303 V/m
174	08/28/2015 10:40:59 AM	1.027 V/m	0.8623 V/m	0.6277 V/m
175	08/28/2015 10:41:09 AM	1.249 V/m	0.8632 V/m	0.6373 V/m
176	08/28/2015 10:41:19 AM	0.9634 V/m	0.8284 V/m	0.7249 V/m
177	08/28/2015 10:41:29 AM	0.8342 V/m	0.7514 V/m	0.5884 V/m
178	08/28/2015 10:41:39 AM	1.006 V/m	0.8089 V/m	0.6162 V/m
179	08/28/2015 10:41:49 AM	0.8988 V/m	0.7934 V/m	0.6851 V/m



180	08/28/2015 10:41:59 AM	0.9980 V/m	0.8430 V/m	0.7116 V/m
181	08/28/2015 10:42:09 AM	0.7678 V/m	0.7265 V/m	0.6355 V/m
182	08/28/2015 10:42:19 AM	0.7977 V/m	0.7317 V/m	0.6364 V/m
183	08/28/2015 10:42:29 AM	0.8417 V/m	0.7599 V/m	0.6639 V/m
184	08/28/2015 10:42:39 AM	0.8402 V/m	0.7370 V/m	0.6175 V/m
185	08/28/2015 10:42:49 AM	0.8235 V/m	0.7522 V/m	0.6868 V/m
186	08/28/2015 10:42:59 AM	0.7848 V/m	0.7244 V/m	0.6783 V/m
187	08/28/2015 10:43:09 AM	0.8440 V/m	0.7594 V/m	0.6454 V/m
188	08/28/2015 10:43:19 AM	0.7777 V/m	0.6992 V/m	0.6058 V/m
189	08/28/2015 10:43:29 AM	0.7295 V/m	0.6841 V/m	0.6321 V/m
190	08/28/2015 10:43:39 AM	0.7696 V/m	0.6970 V/m	0.6299 V/m
191	08/28/2015 10:43:49 AM	0.7749 V/m	0.7351 V/m	0.6360 V/m
192	08/28/2015 10:43:59 AM	0.8042 V/m	0.7096 V/m	0.6492 V/m
193	08/28/2015 10:44:09 AM	0.6927 V/m	0.6464 V/m	0.6040 V/m
194	08/28/2015 10:44:19 AM	1.143 V/m	0.7629 V/m	0.5925 V/m
195	08/28/2015 10:44:29 AM	0.8507 V/m	0.7633 V/m	0.6099 V/m
196	08/28/2015 10:44:39 AM	0.8578 V/m	0.7792 V/m	0.6492 V/m
197	08/28/2015 10:44:49 AM	0.8258 V/m	0.7243 V/m	0.6602 V/m
198	08/28/2015 10:44:59 AM	0.7348 V/m	0.6743 V/m	0.6117 V/m
199	08/28/2015 10:45:09 AM	0.7307 V/m	0.6613 V/m	0.5566 V/m
200	08/28/2015 10:45:19 AM	0.7990 V/m	0.6585 V/m	0.5441 V/m
201	08/28/2015 10:45:29 AM	1.297 V/m	0.7977 V/m	0.6338 V/m
202	08/28/2015 10:45:39 AM	0.9030 V/m	0.7935 V/m	0.7287 V/m
203	08/28/2015 10:45:49 AM	0.8018 V/m	0.7355 V/m	0.6058 V/m
204	08/28/2015 10:45:59 AM	0.8553 V/m	0.7725 V/m	0.6915 V/m
205	08/28/2015 10:46:09 AM	0.7977 V/m	0.7274 V/m	0.6432 V/m
206	08/28/2015 10:46:19 AM	0.7942 V/m	0.7172 V/m	0.6180 V/m
207	08/28/2015 10:46:29 AM	0.9924 V/m	0.6525 V/m	0.5267 V/m
208	08/28/2015 10:46:39 AM	0.7666 V/m	0.6820 V/m	0.6090 V/m
209	08/28/2015 10:46:49 AM	0.7355 V/m	0.6543 V/m	0.5803 V/m
210	08/28/2015 10:46:59 AM	0.7963 V/m	0.7309 V/m	0.5921 V/m
211	08/28/2015 10:47:09 AM	0.8684 V/m	0.7582 V/m	0.6693 V/m
212	08/28/2015 10:47:19 AM	1.048 V/m	0.7677 V/m	0.5596 V/m
213	08/28/2015 10:47:29 AM	0.8662 V/m	0.7072 V/m	0.5827 V/m
214	08/28/2015 10:47:39 AM	0.9512 V/m	0.6903 V/m	0.5789 V/m
215	08/28/2015 10:47:49 AM	0.8118 V/m	0.6770 V/m	0.5713 V/m
216	08/28/2015 10:47:59 AM	0.8121 V/m	0.7242 V/m	0.6198 V/m
217	08/28/2015 10:48:09 AM	0.8591 V/m	0.7281 V/m	0.5897 V/m
218	08/28/2015 10:48:19 AM	0.8466 V/m	0.7188 V/m	0.5427 V/m
219	08/28/2015 10:48:29 AM	0.8797 V/m	0.7313 V/m	0.6676 V/m
220	08/28/2015 10:48:39 AM	0.9675 V/m	0.7233 V/m	0.5968 V/m
221	08/28/2015 10:48:49 AM	0.9500 V/m	0.6827 V/m	0.5262 V/m
222	08/28/2015 10:48:59 AM	0.8725 V/m	0.7174 V/m	0.5963 V/m
223	08/28/2015 10:49:09 AM	0.8299 V/m	0.7102 V/m	0.6013 V/m
224	08/28/2015 10:49:19 AM	0.8264 V/m	0.6789 V/m	0.5741 V/m
225	08/28/2015 10:49:29 AM	0.7689 V/m	0.6595 V/m	0.4894 V/m
226	08/28/2015 10:49:39 AM	0.7994 V/m	0.6644 V/m	0.5456 V/m
227	08/28/2015 10:49:49 AM	1.089 V/m	0.7839 V/m	0.5650 V/m
228	08/28/2015 10:49:59 AM	1.136 V/m	0.9259 V/m	0.6394 V/m
229	08/28/2015 10:50:09 AM	1.186 V/m	0.8339 V/m	0.6572 V/m
230	08/28/2015 10:50:19 AM	0.8617 V/m	0.7087 V/m	0.6067 V/m
231	08/28/2015 10:50:29 AM	1.311 V/m	0.7354 V/m	0.5746 V/m
232	08/28/2015 10:50:39 AM	0.9428 V/m	0.7004 V/m	0.5698 V/m
233	08/28/2015 10:50:49 AM	1.216 V/m	0.8473 V/m	0.6463 V/m
234	08/28/2015 10:50:59 AM	1.079 V/m	0.7078 V/m	0.6269 V/m
235	08/28/2015 10:51:09 AM	0.9455 V/m	0.7030 V/m	0.5976 V/m
236	08/28/2015 10:51:19 AM	0.7720 V/m	0.6940 V/m	0.5808 V/m
237	08/28/2015 10:51:29 AM	0.9720 V/m	0.8164 V/m	0.7181 V/m
238	08/28/2015 10:51:39 AM	0.8851 V/m	0.7827 V/m	0.6635 V/m
239	08/28/2015 10:51:49 AM	0.9451 V/m	0.6894 V/m	0.5631 V/m
240	08/28/2015 10:51:59 AM	0.9142 V/m	0.6903 V/m	0.5888 V/m
241	08/28/2015 10:52:09 AM	0.7642 V/m	0.6150 V/m	0.5032 V/m
242	08/28/2015 10:52:19 AM	0.8147 V/m	0.6320 V/m	0.4728 V/m



243	08/28/2015 10:52:29 AM	0.9643 V/m	0.7493 V/m	0.6505 V/m
244	08/28/2015 10:52:39 AM	0.9639 V/m	0.7633 V/m	0.6836 V/m
245	08/28/2015 10:52:49 AM	0.7768 V/m	0.6663 V/m	0.5823 V/m
246	08/28/2015 10:52:59 AM	1.012 V/m	0.7112 V/m	0.6158 V/m
247	08/28/2015 10:53:09 AM	0.8740 V/m	0.6956 V/m	0.5601 V/m
248	08/28/2015 10:53:19 AM	0.8938 V/m	0.6900 V/m	0.5775 V/m
249	08/28/2015 10:53:29 AM	0.7298 V/m	0.6651 V/m	0.5860 V/m
250	08/28/2015 10:53:39 AM	0.9616 V/m	0.7914 V/m	0.6766 V/m
251	08/28/2015 10:53:49 AM	0.9664 V/m	0.8148 V/m	0.6220 V/m
252	08/28/2015 10:53:59 AM	1.106 V/m	0.9453 V/m	0.7521 V/m
253	08/28/2015 10:54:09 AM	1.043 V/m	0.7603 V/m	0.6072 V/m
254	08/28/2015 10:54:19 AM	0.8140 V/m	0.6825 V/m	0.4888 V/m
255	08/28/2015 10:54:29 AM	0.8538 V/m	0.7281 V/m	0.6471 V/m
256	08/28/2015 10:54:39 AM	0.9009 V/m	0.7653 V/m	0.6184 V/m
257	08/28/2015 10:54:49 AM	1.134 V/m	0.8846 V/m	0.6605 V/m
258	08/28/2015 10:54:59 AM	1.118 V/m	0.7235 V/m	0.4733 V/m
259	08/28/2015 10:55:09 AM	0.8040 V/m	0.5773 V/m	0.4598 V/m
260	08/28/2015 10:55:19 AM	1.006 V/m	0.6436 V/m	0.5416 V/m
261	08/28/2015 10:55:29 AM	0.9207 V/m	0.6432 V/m	0.4146 V/m
262	08/28/2015 10:55:39 AM	0.7118 V/m	0.5802 V/m	0.4663 V/m
263	08/28/2015 10:55:49 AM	0.7821 V/m	0.6404 V/m	0.4622 V/m
264	08/28/2015 10:55:59 AM	0.7934 V/m	0.5801 V/m	0.4308 V/m
265	08/28/2015 10:56:09 AM	0.8126 V/m	0.6402 V/m	0.5267 V/m
266	08/28/2015 10:56:19 AM	0.8825 V/m	0.5632 V/m	0.4483 V/m
267	08/28/2015 10:56:29 AM	0.7958 V/m	0.5851 V/m	0.5043 V/m
268	08/28/2015 10:56:39 AM	0.5972 V/m	0.5643 V/m	0.4955 V/m
269	08/28/2015 10:56:49 AM	0.6589 V/m	0.5594 V/m	0.4327 V/m
270	08/28/2015 10:56:59 AM	0.6463 V/m	0.5366 V/m	0.4186 V/m
271	08/28/2015 10:57:09 AM	0.8068 V/m	0.5678 V/m	0.4263 V/m
272	08/28/2015 10:57:19 AM	0.8210 V/m	0.5808 V/m	0.4270 V/m
273	08/28/2015 10:57:29 AM	0.6907 V/m	0.5549 V/m	0.4276 V/m
274	08/28/2015 10:57:39 AM	0.7052 V/m	0.5600 V/m	0.4397 V/m
275	08/28/2015 10:57:49 AM	0.6742 V/m	0.5864 V/m	0.4675 V/m
276	08/28/2015 10:57:59 AM	0.6845 V/m	0.5830 V/m	0.5032 V/m
277	08/28/2015 10:58:09 AM	0.6355 V/m	0.5547 V/m	0.4532 V/m
278	08/28/2015 10:58:19 AM	0.7414 V/m	0.5867 V/m	0.5075 V/m
279	08/28/2015 10:58:29 AM	0.7987 V/m	0.6238 V/m	0.5411 V/m
280	08/28/2015 10:58:39 AM	0.7529 V/m	0.6600 V/m	0.5345 V/m
281	08/28/2015 10:58:49 AM	0.6255 V/m	0.5652 V/m	0.5065 V/m
282	08/28/2015 10:58:59 AM	0.6500 V/m	0.5850 V/m	0.5193 V/m
283	08/28/2015 10:59:09 AM	0.6754 V/m	0.6088 V/m	0.5426 V/m
284	08/28/2015 10:59:19 AM	0.6746 V/m	0.5723 V/m	0.4646 V/m
285	08/28/2015 10:59:29 AM	0.7822 V/m	0.6224 V/m	0.5145 V/m
286	08/28/2015 10:59:39 AM	0.6962 V/m	0.5941 V/m	0.4938 V/m
287	08/28/2015 10:59:49 AM	0.9054 V/m	0.6560 V/m	0.5426 V/m
288	08/28/2015 10:59:59 AM	0.7395 V/m	0.6300 V/m	0.5605 V/m
289	08/28/2015 11:00:09 AM	0.7437 V/m	0.6033 V/m	0.5329 V/m
290	08/28/2015 11:00:19 AM	0.6299 V/m	0.5590 V/m	0.4814 V/m
291	08/28/2015 11:00:29 AM	0.7965 V/m	0.5835 V/m	0.4854 V/m
292	08/28/2015 11:00:39 AM	0.6403 V/m	0.5652 V/m	0.4882 V/m
293	08/28/2015 11:00:49 AM	0.6031 V/m	0.5507 V/m	0.4556 V/m
294	08/28/2015 11:00:59 AM	0.6215 V/m	0.5550 V/m	0.4910 V/m
295	08/28/2015 11:01:09 AM	0.6639 V/m	0.5983 V/m	0.5426 V/m
296	08/28/2015 11:01:19 AM	0.6947 V/m	0.6145 V/m	0.5537 V/m
297	08/28/2015 11:01:29 AM	0.7100 V/m	0.5980 V/m	0.5330 V/m
298	08/28/2015 11:01:39 AM	0.8762 V/m	0.6303 V/m	0.5304 V/m
299	08/28/2015 11:01:49 AM	0.5976 V/m	0.5410 V/m	0.4944 V/m
300	08/28/2015 11:01:59 AM	0.6619 V/m	0.5629 V/m	0.4877 V/m
301	08/28/2015 11:02:09 AM	0.6484 V/m	0.5734 V/m	0.5081 V/m
302	08/28/2015 11:02:19 AM	0.6932 V/m	0.5840 V/m	0.5225 V/m
303	08/28/2015 11:02:29 AM	0.6411 V/m	0.5947 V/m	0.5303 V/m
304	08/28/2015 11:02:39 AM	0.7948 V/m	0.6461 V/m	0.5566 V/m
305	08/28/2015 11:02:49 AM	0.6826 V/m	0.6042 V/m	0.5522 V/m



306	08/28/2015 11:02:59 AM	0.6823 V/m	0.5961 V/m	0.5426 V/m
307	08/28/2015 11:03:09 AM	0.6938 V/m	0.6076 V/m	0.5615 V/m
308	08/28/2015 11:03:19 AM	0.6285 V/m	0.5786 V/m	0.5386 V/m
309	08/28/2015 11:03:29 AM	0.6891 V/m	0.6055 V/m	0.5557 V/m
310	08/28/2015 11:03:39 AM	0.6655 V/m	0.5762 V/m	0.5421 V/m
311	08/28/2015 11:03:49 AM	0.7999 V/m	0.6175 V/m	0.5601 V/m
312	08/28/2015 11:03:59 AM	0.7064 V/m	0.6225 V/m	0.5698 V/m
313	08/28/2015 11:04:09 AM	0.6705 V/m	0.5695 V/m	0.5146 V/m
314	08/28/2015 11:04:19 AM	0.7062 V/m	0.6313 V/m	0.5401 V/m
315	08/28/2015 11:04:29 AM	0.6710 V/m	0.5976 V/m	0.5005 V/m
316	08/28/2015 11:04:39 AM	0.7539 V/m	0.6138 V/m	0.5512 V/m
317	08/28/2015 11:04:49 AM	0.8400 V/m	0.6375 V/m	0.5625 V/m
318	08/28/2015 11:04:59 AM	0.6915 V/m	0.6121 V/m	0.5703 V/m
319	08/28/2015 11:05:09 AM	0.6959 V/m	0.5993 V/m	0.5151 V/m
320	08/28/2015 11:05:19 AM	0.6860 V/m	0.5745 V/m	0.5027 V/m
321	08/28/2015 11:05:29 AM	0.6664 V/m	0.5717 V/m	0.4922 V/m
322	08/28/2015 11:05:39 AM	0.6281 V/m	0.5485 V/m	0.4422 V/m
323	08/28/2015 11:05:49 AM	0.6828 V/m	0.5598 V/m	0.4185 V/m
324	08/28/2015 11:05:59 AM	0.8191 V/m	0.6457 V/m	0.5210 V/m
325	08/28/2015 11:06:09 AM	0.6428 V/m	0.5467 V/m	0.4658 V/m
326	08/28/2015 11:06:19 AM	0.6338 V/m	0.5717 V/m	0.4837 V/m
327	08/28/2015 11:06:29 AM	0.6104 V/m	0.5335 V/m	0.4416 V/m
328	08/28/2015 11:06:39 AM	0.6493 V/m	0.5578 V/m	0.4820 V/m
329	08/28/2015 11:06:49 AM	0.7280 V/m	0.5795 V/m	0.4699 V/m
330	08/28/2015 11:06:59 AM	0.8998 V/m	0.5852 V/m	0.4580 V/m
331	08/28/2015 11:07:09 AM	0.6031 V/m	0.5305 V/m	0.4459 V/m
332	08/28/2015 11:07:19 AM	0.5761 V/m	0.5132 V/m	0.4296 V/m
333	08/28/2015 11:07:29 AM	0.5522 V/m	0.4848 V/m	0.4250 V/m
334	08/28/2015 11:07:39 AM	0.6316 V/m	0.5258 V/m	0.4687 V/m
335	08/28/2015 11:07:49 AM	0.7127 V/m	0.6330 V/m	0.5841 V/m
336	08/28/2015 11:07:59 AM	0.7469 V/m	0.6029 V/m	0.5257 V/m
337	08/28/2015 11:08:09 AM	0.8170 V/m	0.5953 V/m	0.5156 V/m
338	08/28/2015 11:08:19 AM	0.6334 V/m	0.5813 V/m	0.5431 V/m
339	08/28/2015 11:08:29 AM	0.6446 V/m	0.5810 V/m	0.5135 V/m
340	08/28/2015 11:08:39 AM	0.6454 V/m	0.5844 V/m	0.5183 V/m
341	08/28/2015 11:08:49 AM	0.6031 V/m	0.5721 V/m	0.5113 V/m
342	08/28/2015 11:08:59 AM	0.6135 V/m	0.5649 V/m	0.5204 V/m
343	08/28/2015 11:09:09 AM	0.8167 V/m	0.6173 V/m	0.5426 V/m
344	08/28/2015 11:09:19 AM	0.6987 V/m	0.6409 V/m	0.5935 V/m
345	08/28/2015 11:09:29 AM	0.7169 V/m	0.6357 V/m	0.5664 V/m
346	08/28/2015 11:09:39 AM	0.6676 V/m	0.6085 V/m	0.5345 V/m
347	08/28/2015 11:09:49 AM	0.6260 V/m	0.5522 V/m	0.5065 V/m
348	08/28/2015 11:09:59 AM	0.7018 V/m	0.5769 V/m	0.4966 V/m
349	08/28/2015 11:10:09 AM	0.7488 V/m	0.5719 V/m	0.4826 V/m
350	08/28/2015 11:10:19 AM	0.6606 V/m	0.6082 V/m	0.5492 V/m
351	08/28/2015 11:10:29 AM	0.6135 V/m	0.5555 V/m	0.5167 V/m
352	08/28/2015 11:10:39 AM	0.5902 V/m	0.5453 V/m	0.4882 V/m
353	08/28/2015 11:10:49 AM	0.6552 V/m	0.5734 V/m	0.5124 V/m
354	08/28/2015 11:10:59 AM	0.6135 V/m	0.5604 V/m	0.4927 V/m
355	08/28/2015 11:11:09 AM	0.6321 V/m	0.5908 V/m	0.5537 V/m
356	08/28/2015 11:11:19 AM	0.7913 V/m	0.6115 V/m	0.5334 V/m
357	08/28/2015 11:11:29 AM	0.5870 V/m	0.5414 V/m	0.5005 V/m
358	08/28/2015 11:11:39 AM	0.5804 V/m	0.5431 V/m	0.5097 V/m
359	08/28/2015 11:11:49 AM	0.5737 V/m	0.5413 V/m	0.5172 V/m
360	08/28/2015 11:11:59 AM	0.6829 V/m	0.5770 V/m	0.5081 V/m
361	08/28/2015 11:12:09 AM	0.6813 V/m	0.6009 V/m	0.5340 V/m
362	08/28/2015 11:12:19 AM	0.8530 V/m	0.6109 V/m	0.5092 V/m
363	08/28/2015 11:12:29 AM	0.6299 V/m	0.5492 V/m	0.4831 V/m
364	08/28/2015 11:12:39 AM	0.6437 V/m	0.5571 V/m	0.4865 V/m
365	08/28/2015 11:12:49 AM	0.6668 V/m	0.5699 V/m	0.4860 V/m
366	08/28/2015 11:12:59 AM	0.6506 V/m	0.5759 V/m	0.4999 V/m
367	08/28/2015 11:13:09 AM	0.5981 V/m	0.5491 V/m	0.5027 V/m
368	08/28/2015 11:13:19 AM	0.6027 V/m	0.5495 V/m	0.4757 V/m



369	08/28/2015 11:13:29 AM	0.7272 V/m	0.5622 V/m	0.5081 V/m
370	08/28/2015 11:13:39 AM	0.6184 V/m	0.5832 V/m	0.5562 V/m
371	08/28/2015 11:13:49 AM	0.6268 V/m	0.5793 V/m	0.5411 V/m
372	08/28/2015 11:13:59 AM	0.6175 V/m	0.5771 V/m	0.5172 V/m
373	08/28/2015 11:14:09 AM	0.6581 V/m	0.5953 V/m	0.5492 V/m
374	08/28/2015 11:14:19 AM	0.6277 V/m	0.5773 V/m	0.5411 V/m
375	08/28/2015 11:14:29 AM	0.6663 V/m	0.5781 V/m	0.5329 V/m
376	08/28/2015 11:14:39 AM	0.6424 V/m	0.5768 V/m	0.5267 V/m
377	08/28/2015 11:14:49 AM	0.6241 V/m	0.5591 V/m	0.4966 V/m
378	08/28/2015 11:14:59 AM	0.7397 V/m	0.5972 V/m	0.5113 V/m
379	08/28/2015 11:15:09 AM	0.7386 V/m	0.6001 V/m	0.4994 V/m
380	08/28/2015 11:15:19 AM	0.6539 V/m	0.5948 V/m	0.5319 V/m
381	08/28/2015 11:15:29 AM	0.6935 V/m	0.6064 V/m	0.5436 V/m
382	08/28/2015 11:15:39 AM	0.7758 V/m	0.6360 V/m	0.5334 V/m
383	08/28/2015 11:15:49 AM	0.6907 V/m	0.6267 V/m	0.5477 V/m
384	08/28/2015 11:15:59 AM	0.7215 V/m	0.6189 V/m	0.5556 V/m
385	08/28/2015 11:16:09 AM	0.6606 V/m	0.5790 V/m	0.5451 V/m
386	08/28/2015 11:16:19 AM	0.6428 V/m	0.5977 V/m	0.5452 V/m
387	08/28/2015 11:16:29 AM	0.6255 V/m	0.5898 V/m	0.5437 V/m
388	08/28/2015 11:16:39 AM	0.7107 V/m	0.6557 V/m	0.5893 V/m
389	08/28/2015 11:16:49 AM	0.7840 V/m	0.6214 V/m	0.5566 V/m
390	08/28/2015 11:16:59 AM	0.6758 V/m	0.6234 V/m	0.5567 V/m
391	08/28/2015 11:17:09 AM	0.7351 V/m	0.6567 V/m	0.5611 V/m
392	08/28/2015 11:17:19 AM	0.6551 V/m	0.6264 V/m	0.5920 V/m
393	08/28/2015 11:17:29 AM	0.6847 V/m	0.6358 V/m	0.5911 V/m
394	08/28/2015 11:17:39 AM	0.6403 V/m	0.5919 V/m	0.5251 V/m
395	08/28/2015 11:17:49 AM	0.7369 V/m	0.6212 V/m	0.5416 V/m
396	08/28/2015 11:17:59 AM	0.6480 V/m	0.5841 V/m	0.5396 V/m
397	08/28/2015 11:18:09 AM	0.6424 V/m	0.5929 V/m	0.5406 V/m
398	08/28/2015 11:18:19 AM	0.5679 V/m	0.5356 V/m	0.5043 V/m
399	08/28/2015 11:18:29 AM	0.6647 V/m	0.5978 V/m	0.5151 V/m
400	08/28/2015 11:18:39 AM	0.6652 V/m	0.6341 V/m	0.5898 V/m
401	08/28/2015 11:18:49 AM	0.8498 V/m	0.6464 V/m	0.5482 V/m
402	08/28/2015 11:18:59 AM	0.8632 V/m	0.6638 V/m	0.5482 V/m
403	08/28/2015 11:19:09 AM	0.6693 V/m	0.5883 V/m	0.5355 V/m
404	08/28/2015 11:19:19 AM	0.7321 V/m	0.6194 V/m	0.5319 V/m
405	08/28/2015 11:19:29 AM	0.6347 V/m	0.5953 V/m	0.5502 V/m
406	08/28/2015 11:19:39 AM	0.6445 V/m	0.5760 V/m	0.5381 V/m
407	08/28/2015 11:19:49 AM	0.6839 V/m	0.6277 V/m	0.5958 V/m
408	08/28/2015 11:19:59 AM	0.8294 V/m	0.6563 V/m	0.5532 V/m
409	08/28/2015 11:20:09 AM	0.7834 V/m	0.6962 V/m	0.5967 V/m
410	08/28/2015 11:20:19 AM	0.6967 V/m	0.6253 V/m	0.5038 V/m
411	08/28/2015 11:20:29 AM	0.6647 V/m	0.6078 V/m	0.5557 V/m
412	08/28/2015 11:20:39 AM	0.7434 V/m	0.6556 V/m	0.5921 V/m
413	08/28/2015 11:20:49 AM	0.6718 V/m	0.6001 V/m	0.5562 V/m
414	08/28/2015 11:20:59 AM	0.7872 V/m	0.6440 V/m	0.5684 V/m
415	08/28/2015 11:21:09 AM	0.6717 V/m	0.6160 V/m	0.5482 V/m
416	08/28/2015 11:21:19 AM	0.6593 V/m	0.5968 V/m	0.5492 V/m
417	08/28/2015 11:21:29 AM	0.6962 V/m	0.6346 V/m	0.5837 V/m
418	08/28/2015 11:21:39 AM	0.6672 V/m	0.5973 V/m	0.5081 V/m
419	08/28/2015 11:21:49 AM	0.7230 V/m	0.6091 V/m	0.5278 V/m
420	08/28/2015 11:21:59 AM	0.7812 V/m	0.6261 V/m	0.5416 V/m
421	08/28/2015 11:22:09 AM	0.7513 V/m	0.6188 V/m	0.5215 V/m
422	08/28/2015 11:22:19 AM	0.7002 V/m	0.6151 V/m	0.5032 V/m
423	08/28/2015 11:22:29 AM	0.6872 V/m	0.6138 V/m	0.5345 V/m
424	08/28/2015 11:22:39 AM	0.6705 V/m	0.6025 V/m	0.5092 V/m
425	08/28/2015 11:22:49 AM	0.6871 V/m	0.5958 V/m	0.5314 V/m
426	08/28/2015 11:22:59 AM	0.6564 V/m	0.5835 V/m	0.4922 V/m
427	08/28/2015 11:23:09 AM	0.7847 V/m	0.6098 V/m	0.5097 V/m
428	08/28/2015 11:23:19 AM	0.8261 V/m	0.6452 V/m	0.5517 V/m
429	08/28/2015 11:23:29 AM	0.7002 V/m	0.6068 V/m	0.4983 V/m
430	08/28/2015 11:23:39 AM	0.7142 V/m	0.6567 V/m	0.6072 V/m
431	08/28/2015 11:23:49 AM	0.6935 V/m	0.6009 V/m	0.5512 V/m



432	08/28/2015 11:23:59 AM	0.6684 V/m	0.5848 V/m	0.5386 V/m
433	08/28/2015 11:24:09 AM	0.7261 V/m	0.6061 V/m	0.4675 V/m
434	08/28/2015 11:24:19 AM	0.9491 V/m	0.6490 V/m	0.5283 V/m
435	08/28/2015 11:24:29 AM	0.7084 V/m	0.6064 V/m	0.5220 V/m
436	08/28/2015 11:24:39 AM	0.6927 V/m	0.5680 V/m	0.4757 V/m
437	08/28/2015 11:24:49 AM	0.7315 V/m	0.5753 V/m	0.5103 V/m
438	08/28/2015 11:24:59 AM	0.6565 V/m	0.5957 V/m	0.5375 V/m
439	08/28/2015 11:25:09 AM	0.6693 V/m	0.5594 V/m	0.4977 V/m
440	08/28/2015 11:25:19 AM	0.6843 V/m	0.6074 V/m	0.5021 V/m
441	08/28/2015 11:25:29 AM	0.6022 V/m	0.5692 V/m	0.5283 V/m
442	08/28/2015 11:25:39 AM	0.6282 V/m	0.5625 V/m	0.5140 V/m
443	08/28/2015 11:25:49 AM	0.6912 V/m	0.6149 V/m	0.5188 V/m
444	08/28/2015 11:25:59 AM	0.6680 V/m	0.6082 V/m	0.5054 V/m
445	08/28/2015 11:26:09 AM	0.6464 V/m	0.5709 V/m	0.4905 V/m
446	08/28/2015 11:26:19 AM	0.6463 V/m	0.5623 V/m	0.4687 V/m
447	08/28/2015 11:26:29 AM	0.7663 V/m	0.5856 V/m	0.4955 V/m
448	08/28/2015 11:26:39 AM	0.5949 V/m	0.5220 V/m	0.4544 V/m
449	08/28/2015 11:26:49 AM	0.6747 V/m	0.5706 V/m	0.4994 V/m
450	08/28/2015 11:26:59 AM	0.6343 V/m	0.5657 V/m	0.5151 V/m
451	08/28/2015 11:27:09 AM	0.6476 V/m	0.5713 V/m	0.5087 V/m
452	08/28/2015 11:27:19 AM	0.6104 V/m	0.5405 V/m	0.4471 V/m
453	08/28/2015 11:27:29 AM	0.8127 V/m	0.6113 V/m	0.5156 V/m
454	08/28/2015 11:27:39 AM	0.6734 V/m	0.6062 V/m	0.5462 V/m
455	08/28/2015 11:27:49 AM	0.6531 V/m	0.5898 V/m	0.5103 V/m
456	08/28/2015 11:27:59 AM	0.6535 V/m	0.5739 V/m	0.5060 V/m
457	08/28/2015 11:28:09 AM	0.6552 V/m	0.5836 V/m	0.5130 V/m
458	08/28/2015 11:28:19 AM	0.6614 V/m	0.5918 V/m	0.5038 V/m
459	08/28/2015 11:28:29 AM	0.6738 V/m	0.5601 V/m	0.5226 V/m
460	08/28/2015 11:28:39 AM	0.7025 V/m	0.5851 V/m	0.5299 V/m
461	08/28/2015 11:28:49 AM	0.6369 V/m	0.5838 V/m	0.5103 V/m
462	08/28/2015 11:28:59 AM	0.6606 V/m	0.5842 V/m	0.5130 V/m
463	08/28/2015 11:29:09 AM	0.7066 V/m	0.6098 V/m	0.5396 V/m
464	08/28/2015 11:29:19 AM	0.6173 V/m	0.5486 V/m	0.4490 V/m
465	08/28/2015 11:29:29 AM	0.6339 V/m	0.5622 V/m	0.4629 V/m
466	08/28/2015 11:29:39 AM	0.8830 V/m	0.5958 V/m	0.4575 V/m
467	08/28/2015 11:29:49 AM	0.6364 V/m	0.5509 V/m	0.4832 V/m
468	08/28/2015 11:29:59 AM	0.6365 V/m	0.5210 V/m	0.4099 V/m
469	08/28/2015 11:30:09 AM	0.5432 V/m	0.4657 V/m	0.3483 V/m
470	08/28/2015 11:30:19 AM	0.5703 V/m	0.4757 V/m	0.3865 V/m
471	08/28/2015 11:30:29 AM	0.6536 V/m	0.5333 V/m	0.3822 V/m
472	08/28/2015 11:30:39 AM	0.6867 V/m	0.5392 V/m	0.4238 V/m
473	08/28/2015 11:30:49 AM	0.8008 V/m	0.6088 V/m	0.5421 V/m
474	08/28/2015 11:30:59 AM	0.7724 V/m	0.7055 V/m	0.6237 V/m
475	08/28/2015 11:31:09 AM	0.7685 V/m	0.6935 V/m	0.6162 V/m
476	08/28/2015 11:31:19 AM	0.7470 V/m	0.6245 V/m	0.5552 V/m
477	08/28/2015 11:31:29 AM	0.7077 V/m	0.6284 V/m	0.5043 V/m
478	08/28/2015 11:31:39 AM	0.5756 V/m	0.5402 V/m	0.4871 V/m
479	08/28/2015 11:31:49 AM	0.9014 V/m	0.6347 V/m	0.5172 V/m
480	08/28/2015 11:31:59 AM	0.7939 V/m	0.6690 V/m	0.6059 V/m
481	08/28/2015 11:32:09 AM	0.6630 V/m	0.5817 V/m	0.4604 V/m
482	08/28/2015 11:32:19 AM	0.6911 V/m	0.5853 V/m	0.5087 V/m
483	08/28/2015 11:32:29 AM	0.8690 V/m	0.6542 V/m	0.5650 V/m
484	08/28/2015 11:32:39 AM	0.7325 V/m	0.6365 V/m	0.5586 V/m
485	08/28/2015 11:32:49 AM	0.7142 V/m	0.6509 V/m	0.5967 V/m
486	08/28/2015 11:32:59 AM	0.6839 V/m	0.6131 V/m	0.5432 V/m
487	08/28/2015 11:33:09 AM	0.6779 V/m	0.6238 V/m	0.5766 V/m
488	08/28/2015 11:33:19 AM	0.6206 V/m	0.5750 V/m	0.5309 V/m
489	08/28/2015 11:33:29 AM	0.6441 V/m	0.5650 V/m	0.5220 V/m
490	08/28/2015 11:33:39 AM	0.6501 V/m	0.5829 V/m	0.5076 V/m
491	08/28/2015 11:33:49 AM	0.6868 V/m	0.5909 V/m	0.5141 V/m
492	08/28/2015 11:33:59 AM	0.8811 V/m	0.6203 V/m	0.4843 V/m
493	08/28/2015 11:34:09 AM	0.6948 V/m	0.6082 V/m	0.5417 V/m
494	08/28/2015 11:34:19 AM	0.6299 V/m	0.5620 V/m	0.4922 V/m



495	08/28/2015 11:34:29 AM	0.6747 V/m	0.5626 V/m	0.4966 V/m
496	08/28/2015 11:34:39 AM	0.6706 V/m	0.6104 V/m	0.5818 V/m
497	08/28/2015 11:34:49 AM	0.6693 V/m	0.5734 V/m	0.5076 V/m
498	08/28/2015 11:34:59 AM	0.8137 V/m	0.5650 V/m	0.4378 V/m
499	08/28/2015 11:35:09 AM	0.6602 V/m	0.5873 V/m	0.5319 V/m
500	08/28/2015 11:35:19 AM	0.6514 V/m	0.5935 V/m	0.5375 V/m
501	08/28/2015 11:35:29 AM	0.7932 V/m	0.6370 V/m	0.5432 V/m
502	08/28/2015 11:35:39 AM	0.8090 V/m	0.5891 V/m	0.5172 V/m
503	08/28/2015 11:35:49 AM	0.7284 V/m	0.5607 V/m	0.4797 V/m
504	08/28/2015 11:35:59 AM	0.7791 V/m	0.6259 V/m	0.5345 V/m
505	08/28/2015 11:36:09 AM	0.8086 V/m	0.6508 V/m	0.5963 V/m
506	08/28/2015 11:36:19 AM	0.6891 V/m	0.5716 V/m	0.5231 V/m
507	08/28/2015 11:36:29 AM	0.6975 V/m	0.5999 V/m	0.5236 V/m
508	08/28/2015 11:36:39 AM	0.7960 V/m	0.6234 V/m	0.5746 V/m
509	08/28/2015 11:36:49 AM	0.7928 V/m	0.6271 V/m	0.5567 V/m
510	08/28/2015 11:36:59 AM	0.7576 V/m	0.6136 V/m	0.5350 V/m
511	08/28/2015 11:37:09 AM	0.7973 V/m	0.6182 V/m	0.5492 V/m
512	08/28/2015 11:37:19 AM	0.7481 V/m	0.6311 V/m	0.5698 V/m
513	08/28/2015 11:37:29 AM	0.8491 V/m	0.6337 V/m	0.5507 V/m
514	08/28/2015 11:37:39 AM	0.6971 V/m	0.5968 V/m	0.5283 V/m
515	08/28/2015 11:37:49 AM	0.6605 V/m	0.5712 V/m	0.5172 V/m
516	08/28/2015 11:37:59 AM	0.7320 V/m	0.5848 V/m	0.5288 V/m
517	08/28/2015 11:38:09 AM	0.7410 V/m	0.5488 V/m	0.4722 V/m
518	08/28/2015 11:38:19 AM	0.7103 V/m	0.6023 V/m	0.5076 V/m
519	08/28/2015 11:38:29 AM	0.8217 V/m	0.6009 V/m	0.4574 V/m
520	08/28/2015 11:38:39 AM	0.7283 V/m	0.5972 V/m	0.5432 V/m
521	08/28/2015 11:38:49 AM	0.7699 V/m	0.6097 V/m	0.5537 V/m
522	08/28/2015 11:38:59 AM	0.7392 V/m	0.6007 V/m	0.5447 V/m
523	08/28/2015 11:39:09 AM	0.7955 V/m	0.6146 V/m	0.5577 V/m
524	08/28/2015 11:39:19 AM	0.8099 V/m	0.6508 V/m	0.5689 V/m
525	08/28/2015 11:39:29 AM	0.7010 V/m	0.5903 V/m	0.4803 V/m
526	08/28/2015 11:39:39 AM	0.7426 V/m	0.6227 V/m	0.5381 V/m
527	08/28/2015 11:39:49 AM	0.8171 V/m	0.6903 V/m	0.5751 V/m
528	08/28/2015 11:39:59 AM	0.7359 V/m	0.5538 V/m	0.4917 V/m
529	08/28/2015 11:40:09 AM	0.8881 V/m	0.5925 V/m	0.4961 V/m
530	08/28/2015 11:40:19 AM	0.7283 V/m	0.5689 V/m	0.5043 V/m
531	08/28/2015 11:40:29 AM	0.8192 V/m	0.6482 V/m	0.5386 V/m
532	08/28/2015 11:40:39 AM	0.7022 V/m	0.6123 V/m	0.5512 V/m
533	08/28/2015 11:40:49 AM	0.7196 V/m	0.6063 V/m	0.5054 V/m
534	08/28/2015 11:40:59 AM	0.7500 V/m	0.6226 V/m	0.5124 V/m
535	08/28/2015 11:41:09 AM	0.6759 V/m	0.5892 V/m	0.4922 V/m
536	08/28/2015 11:41:19 AM	0.6733 V/m	0.6059 V/m	0.5386 V/m
537	08/28/2015 11:41:29 AM	0.7119 V/m	0.6107 V/m	0.5376 V/m
538	08/28/2015 11:41:39 AM	0.6702 V/m	0.5791 V/m	0.5140 V/m
539	08/28/2015 11:41:49 AM	0.6606 V/m	0.5817 V/m	0.5198 V/m
540	08/28/2015 11:41:59 AM	0.6944 V/m	0.6099 V/m	0.5016 V/m
541	08/28/2015 11:42:09 AM	0.6614 V/m	0.5877 V/m	0.4763 V/m
542	08/28/2015 11:42:19 AM	0.7889 V/m	0.6248 V/m	0.5466 V/m
543	08/28/2015 11:42:29 AM	0.7752 V/m	0.5995 V/m	0.5467 V/m
544	08/28/2015 11:42:39 AM	0.8069 V/m	0.6274 V/m	0.5376 V/m
545	08/28/2015 11:42:49 AM	0.6891 V/m	0.5969 V/m	0.5467 V/m
546	08/28/2015 11:42:59 AM	0.7298 V/m	0.6428 V/m	0.5703 V/m
547	08/28/2015 11:43:09 AM	0.6547 V/m	0.6072 V/m	0.5601 V/m
548	08/28/2015 11:43:19 AM	0.6859 V/m	0.6115 V/m	0.5698 V/m
549	08/28/2015 11:43:29 AM	0.6730 V/m	0.6185 V/m	0.5770 V/m
550	08/28/2015 11:43:39 AM	0.7169 V/m	0.6106 V/m	0.5492 V/m
551	08/28/2015 11:43:49 AM	0.6623 V/m	0.5945 V/m	0.5522 V/m
552	08/28/2015 11:43:59 AM	0.7068 V/m	0.6090 V/m	0.5611 V/m
553	08/28/2015 11:44:09 AM	0.7355 V/m	0.5824 V/m	0.5016 V/m
554	08/28/2015 11:44:19 AM	0.6718 V/m	0.6071 V/m	0.5366 V/m
555	08/28/2015 11:44:29 AM	0.6224 V/m	0.5083 V/m	0.4212 V/m
556	08/28/2015 11:44:39 AM	0.7294 V/m	0.5799 V/m	0.4302 V/m
557	08/28/2015 11:44:49 AM	0.6947 V/m	0.5993 V/m	0.5092 V/m



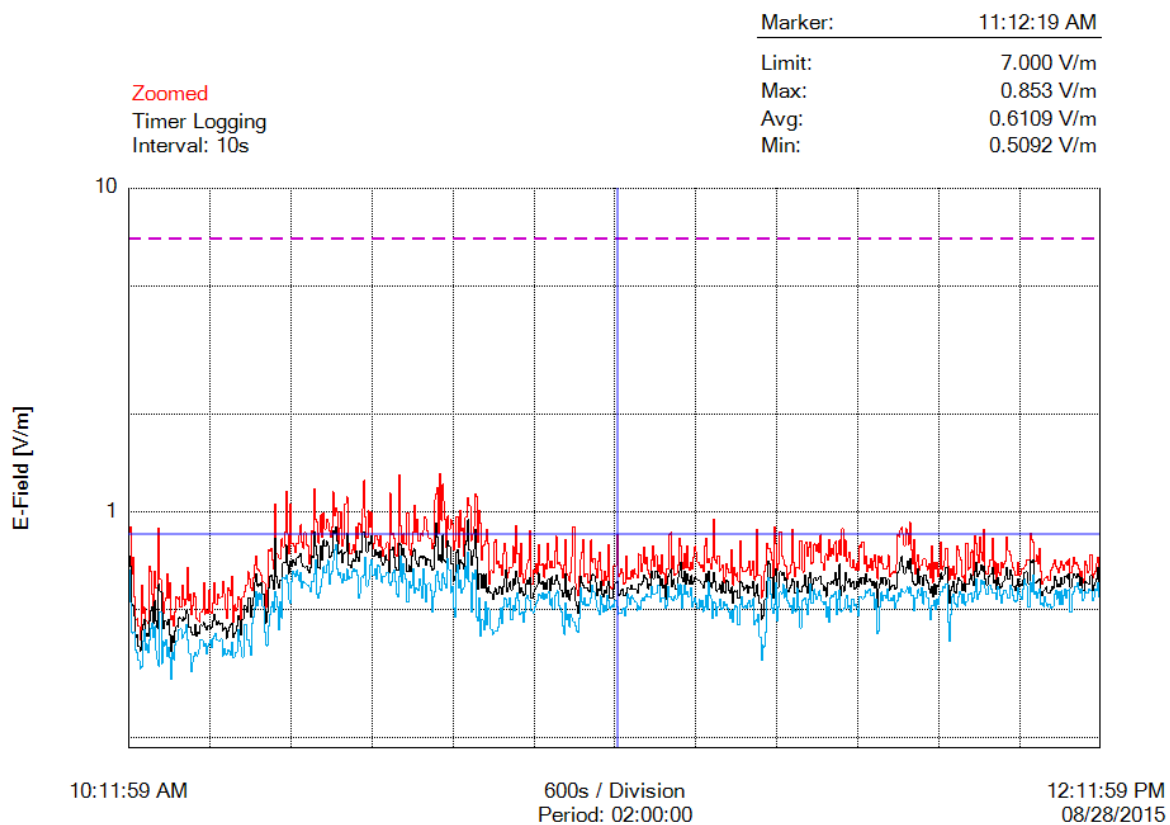
558	08/28/2015 11:44:59 AM	0.7291 V/m	0.6266 V/m	0.5660 V/m
559	08/28/2015 11:45:09 AM	0.6899 V/m	0.6008 V/m	0.5298 V/m
560	08/28/2015 11:45:19 AM	0.6668 V/m	0.6274 V/m	0.5527 V/m
561	08/28/2015 11:45:29 AM	0.6653 V/m	0.5948 V/m	0.5422 V/m
562	08/28/2015 11:45:39 AM	0.6791 V/m	0.6169 V/m	0.5776 V/m
563	08/28/2015 11:45:49 AM	0.7332 V/m	0.6190 V/m	0.5319 V/m
564	08/28/2015 11:45:59 AM	0.6330 V/m	0.5738 V/m	0.5320 V/m
565	08/28/2015 11:46:09 AM	0.6437 V/m	0.5874 V/m	0.5411 V/m
566	08/28/2015 11:46:19 AM	0.6467 V/m	0.5948 V/m	0.5304 V/m
567	08/28/2015 11:46:29 AM	0.6556 V/m	0.5913 V/m	0.5507 V/m
568	08/28/2015 11:46:39 AM	0.6484 V/m	0.5752 V/m	0.5027 V/m
569	08/28/2015 11:46:49 AM	0.6883 V/m	0.5836 V/m	0.5252 V/m
570	08/28/2015 11:46:59 AM	0.8524 V/m	0.6515 V/m	0.5314 V/m
571	08/28/2015 11:47:09 AM	0.8384 V/m	0.6577 V/m	0.5621 V/m
572	08/28/2015 11:47:19 AM	0.8784 V/m	0.7024 V/m	0.5447 V/m
573	08/28/2015 11:47:29 AM	0.8943 V/m	0.7274 V/m	0.5781 V/m
574	08/28/2015 11:47:39 AM	0.8527 V/m	0.6776 V/m	0.5665 V/m
575	08/28/2015 11:47:49 AM	0.7865 V/m	0.6451 V/m	0.5640 V/m
576	08/28/2015 11:47:59 AM	0.8888 V/m	0.6724 V/m	0.5737 V/m
577	08/28/2015 11:48:09 AM	0.8578 V/m	0.7040 V/m	0.5865 V/m
578	08/28/2015 11:48:19 AM	0.7938 V/m	0.6672 V/m	0.5626 V/m
579	08/28/2015 11:48:29 AM	0.9282 V/m	0.7176 V/m	0.5860 V/m
580	08/28/2015 11:48:39 AM	0.7648 V/m	0.6470 V/m	0.5507 V/m
581	08/28/2015 11:48:49 AM	0.6908 V/m	0.6098 V/m	0.5497 V/m
582	08/28/2015 11:48:59 AM	0.8194 V/m	0.5976 V/m	0.4944 V/m
583	08/28/2015 11:49:09 AM	0.6454 V/m	0.5931 V/m	0.5431 V/m
584	08/28/2015 11:49:19 AM	0.7007 V/m	0.5967 V/m	0.5411 V/m
585	08/28/2015 11:49:29 AM	0.7344 V/m	0.6682 V/m	0.5746 V/m
586	08/28/2015 11:49:39 AM	0.6619 V/m	0.6004 V/m	0.5586 V/m
587	08/28/2015 11:49:49 AM	0.6831 V/m	0.6316 V/m	0.5492 V/m
588	08/28/2015 11:49:59 AM	0.6827 V/m	0.6286 V/m	0.5823 V/m
589	08/28/2015 11:50:09 AM	0.7145 V/m	0.5918 V/m	0.5188 V/m
590	08/28/2015 11:50:19 AM	0.7139 V/m	0.6378 V/m	0.5684 V/m
591	08/28/2015 11:50:29 AM	0.6799 V/m	0.6148 V/m	0.5452 V/m
592	08/28/2015 11:50:39 AM	0.6618 V/m	0.6043 V/m	0.5426 V/m
593	08/28/2015 11:50:49 AM	0.6923 V/m	0.5778 V/m	0.5043 V/m
594	08/28/2015 11:50:59 AM	0.6264 V/m	0.5607 V/m	0.4658 V/m
595	08/28/2015 11:51:09 AM	0.7872 V/m	0.5882 V/m	0.5151 V/m
596	08/28/2015 11:51:19 AM	0.6063 V/m	0.5461 V/m	0.5135 V/m
597	08/28/2015 11:51:29 AM	0.6974 V/m	0.5959 V/m	0.5329 V/m
598	08/28/2015 11:51:39 AM	0.6655 V/m	0.5549 V/m	0.4977 V/m
599	08/28/2015 11:51:49 AM	0.6963 V/m	0.5950 V/m	0.5350 V/m
600	08/28/2015 11:51:59 AM	0.6312 V/m	0.5874 V/m	0.5193 V/m
601	08/28/2015 11:52:09 AM	0.6664 V/m	0.6094 V/m	0.5502 V/m
602	08/28/2015 11:52:19 AM	0.8065 V/m	0.6464 V/m	0.5689 V/m
603	08/28/2015 11:52:29 AM	0.6619 V/m	0.6180 V/m	0.5655 V/m
604	08/28/2015 11:52:39 AM	0.6807 V/m	0.6354 V/m	0.5884 V/m
605	08/28/2015 11:52:49 AM	0.7072 V/m	0.6426 V/m	0.5822 V/m
606	08/28/2015 11:52:59 AM	0.7713 V/m	0.6756 V/m	0.5999 V/m
607	08/28/2015 11:53:09 AM	0.6787 V/m	0.5946 V/m	0.4569 V/m
608	08/28/2015 11:53:19 AM	0.6171 V/m	0.5216 V/m	0.3970 V/m
609	08/28/2015 11:53:29 AM	0.6693 V/m	0.5699 V/m	0.4820 V/m
610	08/28/2015 11:53:39 AM	0.6355 V/m	0.5869 V/m	0.5462 V/m
611	08/28/2015 11:53:49 AM	0.6766 V/m	0.6117 V/m	0.5557 V/m
612	08/28/2015 11:53:59 AM	0.6220 V/m	0.5677 V/m	0.5236 V/m
613	08/28/2015 11:54:09 AM	0.6429 V/m	0.5623 V/m	0.5162 V/m
614	08/28/2015 11:54:19 AM	0.7844 V/m	0.6003 V/m	0.5070 V/m
615	08/28/2015 11:54:29 AM	0.7601 V/m	0.6270 V/m	0.5452 V/m
616	08/28/2015 11:54:39 AM	0.7261 V/m	0.6142 V/m	0.5679 V/m
617	08/28/2015 11:54:49 AM	0.7088 V/m	0.6116 V/m	0.5576 V/m
618	08/28/2015 11:54:59 AM	0.6281 V/m	0.5695 V/m	0.5225 V/m
619	08/28/2015 11:55:09 AM	0.6351 V/m	0.6012 V/m	0.5571 V/m
620	08/28/2015 11:55:19 AM	0.6040 V/m	0.5673 V/m	0.5140 V/m



621	08/28/2015 11:55:29 AM	0.8007 V/m	0.6008 V/m	0.5277 V/m
622	08/28/2015 11:55:39 AM	0.6619 V/m	0.5984 V/m	0.5557 V/m
623	08/28/2015 11:55:49 AM	0.6697 V/m	0.6207 V/m	0.5557 V/m
624	08/28/2015 11:55:59 AM	0.7478 V/m	0.6411 V/m	0.5616 V/m
625	08/28/2015 11:56:09 AM	0.7606 V/m	0.6128 V/m	0.5283 V/m
626	08/28/2015 11:56:19 AM	0.6373 V/m	0.5905 V/m	0.5406 V/m
627	08/28/2015 11:56:29 AM	0.8433 V/m	0.6559 V/m	0.5669 V/m
628	08/28/2015 11:56:39 AM	0.7967 V/m	0.6986 V/m	0.6176 V/m
629	08/28/2015 11:56:49 AM	0.7385 V/m	0.6288 V/m	0.5355 V/m
630	08/28/2015 11:56:59 AM	0.6947 V/m	0.6442 V/m	0.5557 V/m
631	08/28/2015 11:57:09 AM	0.8341 V/m	0.6581 V/m	0.5665 V/m
632	08/28/2015 11:57:19 AM	0.7475 V/m	0.6840 V/m	0.6167 V/m
633	08/28/2015 11:57:29 AM	0.7058 V/m	0.6558 V/m	0.5962 V/m
634	08/28/2015 11:57:39 AM	0.8826 V/m	0.6808 V/m	0.6113 V/m
635	08/28/2015 11:57:49 AM	0.6543 V/m	0.6191 V/m	0.5780 V/m
636	08/28/2015 11:57:59 AM	0.6429 V/m	0.5935 V/m	0.5542 V/m
637	08/28/2015 11:58:09 AM	0.6795 V/m	0.6290 V/m	0.5898 V/m
638	08/28/2015 11:58:19 AM	0.7105 V/m	0.6397 V/m	0.5922 V/m
639	08/28/2015 11:58:29 AM	0.7078 V/m	0.6412 V/m	0.5794 V/m
640	08/28/2015 11:58:39 AM	0.8301 V/m	0.6740 V/m	0.5626 V/m
641	08/28/2015 11:58:49 AM	0.6416 V/m	0.6015 V/m	0.5611 V/m
642	08/28/2015 11:58:59 AM	0.7011 V/m	0.6145 V/m	0.5611 V/m
643	08/28/2015 11:59:09 AM	0.6149 V/m	0.5795 V/m	0.5391 V/m
644	08/28/2015 11:59:19 AM	0.6883 V/m	0.6260 V/m	0.5870 V/m
645	08/28/2015 11:59:29 AM	0.6475 V/m	0.5992 V/m	0.5756 V/m
646	08/28/2015 11:59:39 AM	0.6390 V/m	0.5810 V/m	0.5517 V/m
647	08/28/2015 11:59:49 AM	0.6958 V/m	0.5863 V/m	0.5236 V/m
648	08/28/2015 11:59:59 AM	0.6705 V/m	0.6064 V/m	0.5576 V/m
649	08/28/2015 12:00:09 PM	0.6903 V/m	0.6129 V/m	0.5722 V/m
650	08/28/2015 12:00:19 PM	0.7061 V/m	0.6363 V/m	0.5713 V/m
651	08/28/2015 12:00:29 PM	0.8380 V/m	0.6738 V/m	0.5586 V/m
652	08/28/2015 12:00:39 PM	0.7575 V/m	0.6189 V/m	0.5396 V/m
653	08/28/2015 12:00:49 PM	0.7385 V/m	0.6603 V/m	0.5925 V/m
654	08/28/2015 12:00:59 PM	0.7018 V/m	0.6376 V/m	0.5765 V/m
655	08/28/2015 12:01:09 PM	0.6750 V/m	0.5908 V/m	0.5527 V/m
656	08/28/2015 12:01:19 PM	0.6581 V/m	0.5884 V/m	0.5314 V/m
657	08/28/2015 12:01:29 PM	0.6364 V/m	0.5723 V/m	0.5288 V/m
658	08/28/2015 12:01:39 PM	0.6386 V/m	0.5923 V/m	0.5314 V/m
659	08/28/2015 12:01:49 PM	0.6983 V/m	0.6201 V/m	0.5822 V/m
660	08/28/2015 12:01:59 PM	0.6390 V/m	0.5873 V/m	0.5557 V/m
661	08/28/2015 12:02:09 PM	0.6428 V/m	0.5961 V/m	0.5442 V/m
662	08/28/2015 12:02:19 PM	0.6693 V/m	0.5925 V/m	0.5350 V/m
663	08/28/2015 12:02:29 PM	0.6680 V/m	0.6177 V/m	0.5766 V/m
664	08/28/2015 12:02:39 PM	0.6763 V/m	0.6495 V/m	0.6185 V/m
665	08/28/2015 12:02:49 PM	0.6864 V/m	0.6522 V/m	0.5958 V/m
666	08/28/2015 12:02:59 PM	0.7112 V/m	0.6498 V/m	0.5889 V/m
667	08/28/2015 12:03:09 PM	0.7132 V/m	0.6009 V/m	0.5076 V/m
668	08/28/2015 12:03:19 PM	0.8595 V/m	0.7090 V/m	0.6067 V/m
669	08/28/2015 12:03:29 PM	0.8198 V/m	0.6966 V/m	0.5645 V/m
670	08/28/2015 12:03:39 PM	0.8079 V/m	0.7110 V/m	0.6364 V/m
671	08/28/2015 12:03:49 PM	0.7080 V/m	0.6076 V/m	0.5542 V/m
672	08/28/2015 12:03:59 PM	0.7053 V/m	0.6035 V/m	0.5655 V/m
673	08/28/2015 12:04:09 PM	0.7332 V/m	0.6084 V/m	0.5406 V/m
674	08/28/2015 12:04:19 PM	0.6939 V/m	0.6166 V/m	0.5626 V/m
675	08/28/2015 12:04:29 PM	0.7724 V/m	0.6218 V/m	0.5794 V/m
676	08/28/2015 12:04:39 PM	0.6531 V/m	0.5686 V/m	0.5162 V/m
677	08/28/2015 12:04:49 PM	0.5995 V/m	0.5522 V/m	0.5215 V/m
678	08/28/2015 12:04:59 PM	0.6127 V/m	0.5705 V/m	0.5103 V/m
679	08/28/2015 12:05:09 PM	0.6233 V/m	0.5756 V/m	0.5462 V/m
680	08/28/2015 12:05:19 PM	0.6278 V/m	0.5864 V/m	0.5241 V/m
681	08/28/2015 12:05:29 PM	0.6334 V/m	0.5627 V/m	0.5092 V/m
682	08/28/2015 12:05:39 PM	0.6144 V/m	0.5613 V/m	0.5188 V/m
683	08/28/2015 12:05:49 PM	0.6603 V/m	0.5721 V/m	0.5032 V/m



684	08/28/2015 12:05:59 PM	0.6702 V/m	0.5892 V/m	0.5065 V/m
685	08/28/2015 12:06:09 PM	0.6893 V/m	0.5793 V/m	0.5098 V/m
686	08/28/2015 12:06:19 PM	0.7123 V/m	0.6337 V/m	0.5576 V/m
687	08/28/2015 12:06:29 PM	0.6774 V/m	0.6153 V/m	0.5703 V/m
688	08/28/2015 12:06:39 PM	0.6644 V/m	0.5889 V/m	0.5391 V/m
689	08/28/2015 12:06:49 PM	0.6506 V/m	0.5998 V/m	0.5655 V/m
690	08/28/2015 12:06:59 PM	0.6738 V/m	0.5896 V/m	0.5178 V/m
691	08/28/2015 12:07:09 PM	0.7026 V/m	0.6279 V/m	0.5693 V/m
692	08/28/2015 12:07:19 PM	0.6856 V/m	0.5983 V/m	0.5194 V/m
693	08/28/2015 12:07:29 PM	0.6598 V/m	0.6020 V/m	0.5522 V/m
694	08/28/2015 12:07:39 PM	0.6896 V/m	0.6334 V/m	0.5794 V/m
695	08/28/2015 12:07:49 PM	0.7007 V/m	0.6348 V/m	0.5401 V/m
696	08/28/2015 12:07:59 PM	0.6839 V/m	0.6211 V/m	0.5717 V/m
697	08/28/2015 12:08:09 PM	0.7158 V/m	0.6463 V/m	0.5765 V/m
698	08/28/2015 12:08:19 PM	0.6484 V/m	0.5842 V/m	0.4888 V/m
699	08/28/2015 12:08:29 PM	0.6795 V/m	0.6220 V/m	0.5561 V/m
700	08/28/2015 12:08:39 PM	0.7243 V/m	0.6424 V/m	0.5659 V/m
701	08/28/2015 12:08:49 PM	0.6891 V/m	0.6356 V/m	0.5888 V/m
702	08/28/2015 12:08:59 PM	0.6967 V/m	0.6253 V/m	0.5883 V/m
703	08/28/2015 12:09:09 PM	0.6831 V/m	0.6422 V/m	0.6045 V/m
704	08/28/2015 12:09:19 PM	0.6643 V/m	0.6293 V/m	0.5746 V/m
705	08/28/2015 12:09:29 PM	0.6277 V/m	0.5924 V/m	0.5611 V/m
706	08/28/2015 12:09:39 PM	0.6531 V/m	0.6245 V/m	0.5785 V/m
707	08/28/2015 12:09:49 PM	0.6215 V/m	0.5732 V/m	0.5304 V/m
708	08/28/2015 12:09:59 PM	0.6050 V/m	0.5705 V/m	0.5396 V/m
709	08/28/2015 12:10:09 PM	0.7049 V/m	0.6095 V/m	0.5670 V/m
710	08/28/2015 12:10:19 PM	0.6855 V/m	0.6031 V/m	0.5596 V/m
711	08/28/2015 12:10:29 PM	0.6471 V/m	0.5989 V/m	0.5621 V/m
712	08/28/2015 12:10:39 PM	0.6597 V/m	0.6005 V/m	0.5789 V/m
713	08/28/2015 12:10:49 PM	0.7388 V/m	0.6344 V/m	0.5708 V/m
714	08/28/2015 12:10:59 PM	0.6264 V/m	0.5710 V/m	0.5324 V/m
715	08/28/2015 12:11:09 PM	0.6407 V/m	0.5919 V/m	0.5437 V/m
716	08/28/2015 12:11:19 PM	0.6530 V/m	0.6057 V/m	0.5770 V/m
717	08/28/2015 12:11:29 PM	0.6939 V/m	0.6183 V/m	0.5708 V/m
718	08/28/2015 12:11:39 PM	0.7223 V/m	0.6708 V/m	0.6027 V/m
719	08/28/2015 12:11:49 PM	0.6766 V/m	0.5862 V/m	0.5467 V/m
720	08/28/2015 12:11:59 PM	0.6355 V/m	0.5865 V/m	0.5507 V/m



Number of Sub Indices	720
Storing Date	08/28/2015
Storing Time	10:11:59 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	NORMAL
Device Product Name	NBM-550
Device Serial Number	B-0507
Device Cal Due Date	06/10/2017
Probe Product Name	EF0391
Probe Serial Number	A-0636
Probe Cal Due Date	06/15/2017
Probe Field Type	E
Probe Connection Type	A
Probe Lower Frequency Limit A	100 kHz
Probe Upper Frequency Limit A	3 GHz
Probe Lower Frequency Limit B	100 kHz
Probe Upper Frequency Limit B	3 GHz
Probe Emin A	185.0 mV/m
Probe Emax A	300.0 V/m
Probe Emin B	185.0 mV/m
Probe Emax B	300.0 V/m
Shaped Probe	NO
Standard ID	1
Standard Name	FCC 1997 Occupational
Apply Standard	OFF
Frequency	100 kHz
Apply Correction Frequency	OFF
Eref_E(f)	614.0 V/m
Eref_H(f)	614.5 V/m
Combi Probe Use	E_H
Unit	V/m
Results Format	FIXED
Auto-Zero Interval	OFF
Result Type	-
Averaging Time	-
Average Progress	-
Spatial AVG Mode	-
Store Condition	-
Storing Range	-
Cond. Stop Time	-
Upper Threshold	-
Lower Threshold	-
Timer Interval	10 sec
Timer Duration	02:00:00
History Time Scale	-
Time progress of current segment	-

FOTOGRAFIE REJONU BADAŃ:



Fot.1. Rejon badań, widok w kierunku północnym



Fot.2. Rejon badań, widok w kierunku wschodnim



Fot.3. Lokalizacja instalacji radiokomunikacyjnych



Fot.4. Przyrząd pomiarowy w trakcie wykonywanego badania



POREBA

Oznaczenia:

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

Ryc. Szkic sytuacyjny rejonu badań.