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

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

tel.: (34) 364-35-12
fax.: (34) 360-42-80
e-mail: czestochowa@katowice.pios.gov.pl

AB 480

SPRAWOZDANIE Z BADAŃ NR 271/2017

Nr sprawy LC.7071.61.2016

Porozumienie Nr: 01/2012

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

**Pomiary monitoringowe poziomów pól elektromagnetycznych
w przedziale częstotliwości
100 kHz – 3 GHz
(składowej *elektrycznej* E)
w środowisku,
wykonane dnia 01 września 2016 r.
na terenie zabudowy mieszkaniowej
w
BYTOMIU
dzielnica Stolarzowice,
województwo śląskie**

Wyniki badań dotyczą tylko badanego obiektu.

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

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

Wykonujący badania:

1. Ireneusz Picz – Specjalista	**2. Agnieszka Turek – Specjalista**

Osoba autoryzująca sprawozdanie:

Pieczęć i podpis

Zatwierdził:

Pieczęć i podpis

Częstochowa, 07 lutego 2017 r.

1. PODSTAWA BADAŃ

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

2. CEL BADAŃ

Celem badań jest określenie poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, w miejscach dostępnych dla ludności, na terenie obszaru zabudowy mieszkaniowej, położonej w Bytomiu – dzielnica Stolarzowice, w rozumieniu wytycznych Rozporządzenia Ministra Środowiska z dnia 12 listopada 2007 r. (Dz. U. Nr 221, Poz. 1645), w trybie realizacji zadania ustawowego organu Inspekcji Ochrony Środowiska pn. Państwowy Monitoring Środowiska (PMŚ), w myśl art. 123 Ustawy z dnia 27 kwietnia 2001 r. Prawo Ochrony Środowiska (tekst jednolity Dz. U. 2013, Poz. 1232, z późn. zm.) oraz art. 23 ust. 3 pkt 1 Ustawy z dnia 20 lipca 1991 r. o Inspekcji Ochrony Środowiska (Dz. U. 2013, Poz. 686, z późn. zm.), w obszarze województwa śląskiego, 2016 rok.

3. ORGANIZACJA BADAŃ

Program Państwowego Monitoringu Środowiska na lata 2016 - 2020, aut. Departamentu Monitoringu i Informacji o Środowisku Głównego Inspektoratu Ochrony Środowiska, wyd. GIOŚ w Warszawie, Warszawa, 2015;

Podsystem Monitoringu Pól Elektromagnetycznych w środowisku, w myśl art. 123 Ustawy z dnia 27 kwietnia 2001 r. Prawo Ochrony Środowiska (tekst jednolity Dz. U. 2013, Poz. 1232, z późn. zm.) oraz art. 23 ust. 3 pkt 1 Ustawy z dnia 20 lipca 1991 r. o Inspekcji Ochrony Środowiska (Dz. U. 2013, Poz. 686, z późn. zm.) w latach 2016 - 2020, w obszarze województwa śląskiego.

4. TEREN BADAŃ

Punkt pomiarowy P-2 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Bytom w dzielnicy Stolarzowice na Placu św. Jana. Sondę pomiarowa zainstalowano na wysokości h: 2 m n.p.t.. W sąsiedztwie punktu pomiarowego zagospodarowanie terenu zwarta dwukondygnacyjna zabudowa jednorodzinna oraz budynki Domu Dziecka. Najbliższa zabudowa mieszkaniowa, znajduje się w kierunku wschodnim w odległości 25 m od punktu pomiarowego. Linia zabudowy jednorodzinnej okalająca plac, na którym wykonywano pomiary znajduje się w odległości kilkudziesięciu metrów od P-2. Rodzinny Dom Dziecka oddalony jest od punktu pomiarowego o 14 m w kierunku północnym.
W odległości ok. 136 m od punktu pomiarowego znajduje się kilka instalacji radiokomunikacyjnych, emitujące pola elektromagnetyczne do środowiska – stacje bazowe telefonii komórkowych.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

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

Nomenklatura jednostki terytorialnej (NTS):

Bytom 5.2.24.45.62.01.1

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

N 50^0 24' 01,5"
E 18^0 48' 47,7";

Wysokość lokalizacji punktu pomiarowego:

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

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

l = 25 [m] - od elewacji budynku mieszkalnego jednorodzinnego
Lokalizacja punktu pomiarowego – wschodnia część skweru na Placu św. Jana.

5. 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).

6. 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 oraz analizy widma promieniowania elektromagnetycznego w środowisku dokonano przy pomocy Selektywnego Analizatora Pola Elektromagnetycznego SRM - 3006, wraz z sondą pola, oprzyrządowaniem oraz oprogramowaniem, wg wzoru, prod. Narda Safety Test Solutions GmbH, Niemcy;

Pomiarów warunków meteorologicznych dokonano przy pomocy automatycznej stacji pogodowej KESTREL 5500, Nielsen - Kellerman Co., USA;

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**

<table>
<tr><td>Przyrząd pomiarowy

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

Typ: EF0391, E-Field
P/N: 2402/01
S/N: A-0636
Producent: j.w.
Zakres: 100 kHz – 3 GHz
Charakterystyka częstotliwościowa czułości:
+/- 1 dB (1MHz – 1 GHz)
+/- 1,25dB (1GHz – 2,45 GHz)</td><td>Przyrząd pomiarowy</td><td>Typ: KESTREL 5500
s. no.: 2131640
Producent: Nielsen - Kellerman Co., USA</td></tr>
<tr><td>Przyrząd Pomiarowy:

Sonda Pomiarowa:

RF - cable:

Measurement principle:</td><td>Rodzaj/Typ: Selective Radiation Meter
Typ: SRM - 3006
P/N: 3006/01
S/N: H-0007
Producent: Narda Safety Test Solutions GmbH, Germany;

Typ: Three-Axes-Antenna E-Field
P/N: 23501/03
S/N: K-0560
Producent: j.w.
Zakres: 27 MHz – 3 GHz

Typ: RF - cable SRM
Zakres: 9 kHz - 6 GHz
Impedancja: N 50 Ohm
Długość, L: 1,5 m
P/N: 3602/01
S/N: AA-0583

Spectrum Analysis Mode</td><td colspan="2"></td></tr>
<tr><td rowspan="3">Data i czasokres pomiarów</td><td rowspan="3">01-09-2016 r.
10:19:32 – 12:19:32</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td>T [°C]</td><td>20,4 – 24,7</td></tr>
<tr><td>RH [%]</td><td>39,4 – 56,7</td></tr>
<tr><td>Częstotliwość próbkowania</td><td>f: 10 sec.</td><td colspan="2">UWAGI:
Pogodnie;
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-0507, wraz z sondami pola - Probe EF0391, *E-Field*, P/N 2402/01, S/N A-0636:

  - Świadectwo Wzorcowania nr: LWiMP/W/2438/15 z dnia 15 października 2015 r., wydane przez Laboratorium Wzorców i Metrologii Pola Elektromagnetycznego (LWiMP) Instytutu Telekomunikacji, Teleinformatyki i Akustyki, Politechniki Wrocławskiej (AP 078);

- Narda Selective Radiation Meter, Basic Unit, SRM-3006, P/N 3006/01, S/N H-0007:

  - *Calibration Certificate No.* 300061-H0007-20141111-249 Narda STS GmbH, D-72793 Pfullingen, Germany, 2014-11-11;

- Antenna, Three-Axis, E-Filed, 27 MHz to 3 GHz, P/N 3501/03, S/N K-0560:

  - *Calibration Certificate No.* 350103-K0560-141111 Narda STS GmbH, D-72793 Pfullingen, Germany, 2014-11-11;

- Automatyczna stacja pogodowa KESTREL 5500, Nielsen - Kellerman Co., USA, s. no. 2131640:

  Świadectwa wzorcowania nr:

  - 140/60/LA/P/2016 z dnia 19 maja 2016 r. barometr,
  - 1761/165/LA/TH/2016 z dnia 23 maja 2016 r. termohigrometr,

  wydane przez Laboratorium Pomiarowe „PLUM" Sp. z o.o., ul. Wspólna 19, Ignatki, 16 – 001 Kleosin (AP 074)

  - 317/A/16 z dnia 20 czerwca 2016 r. anemometr skrzydełkowy

  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.

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

(* - *w rozumieniu wymagań przedmiotowego Rozporządzenia*)

W odległości 136 m od P-2 w kierunku południowo-wschodnim znajduje się wieża wodna, na której zainstalowano anteny nadawczo-odbiorcze instalacji radiokomunikacyjnych. Instalacje administrowane są przez operatorów sieci komórkowych – T-MOBILE Polska S.A., P4 Sp. z o.o. oraz Polkomtel Sp. z o.o. W Tabelach 2, 3 i 4 na podstawie informacji udzielonych przez operatorów, przedstawiono podstawowe specyfikacje techniczne wyżej wymienionych instalacji.

Tabela 2

Zarządzający instalacją:
T-MOBILE Polska S.A.
ul. Marynarska 12,
02-674 Warszawa,

Nazwa instalacji wg nomenklatury użytkownika:
Stacja bazowa nr: **50166 BYTOM**

Lokalizacja:
Wieża ciśnień przy ul. Gombrowicza w Bytomiu.

Lp.	Azymut [^{0}]	Typ anteny	Pasmo pracy (system) [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	15	Antena sektorowa 742215	2100 (UMTS)	24,3	6000
2.	15	Antena sektorowa 80010510v01	1800 (LTE) 1800 (GSM)	24,3	4766
3.	15	Antena sektorowa 80010816	900 (UMTS) 800 (LTE) 900 (GSM)	24,3	3160
4.	130	Antena sektorowa 742215	2100 (UMTS)	24,3	6000
5.	130	Antena sektorowa 80010510v01	1800 (LTE) 1800 (GSM)	24,3	4766
6.	130	Antena sektorowa 80010816	900 (UMTS) 800 (LTE) 900 (GSM)	24,3	2816
7.	260	Antena sektorowa 742215	2100 (UMTS)	24,3	6000
8.	260	Antena sektorowa 80010510v01	1800 (LTE) 1800 (GSM)	24,3	4766
9.	260	Antena sektorowa 80010816	900 (UMTS) 800 (LTE) 900 (GSM)	24,3	3160

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **41 434** [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: **GZB0194**

Lokalizacja:
Wieża ciśnień przy ul. Gombrowicza w Bytomiu

Lp.	Azymut [^{0}]	Typ anteny	Pasmo pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	0	Antena sektorowa	2100	19,5	5888
2.	120	Antena sektorowa	2100	19,5	5888
3.	240	Antena sektorowa	2100	19,5	5888
4.	0	Antena sektorowa	1800	19,5	4169
5.	120	Antena sektorowa	1800	19,5	4169
6.	240	Antena sektorowa	1800	19,5	4169

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **30 171** [W]

Objaśnienia:

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

Tabela 4

Zarządzający instalacją:
Polkomtel Sp. z o.o.
ul. Konduktorska 4,
02-673 Warszawa,

Nazwa instalacji wg nomenklatury użytkownika:
Stacja bazowa nr: **BT22934**

Lokalizacja:
Wieża ciśnień przy ul. Gombrowicza w Bytomiu

Lp.	Azymut [^{0}]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	60	Antena sektorowa 80010699	900 (GSM) 900 (UMTS) 1800 (LTE) 800 (LTE)	28,3	7073
2.	180	Antena sektorowa 80010699	900 (GSM) 900 (UMTS) 1800 (LTE) 800 (LTE)	28,3	7073
3.	300	Antena sektorowa 80010699	900 (GSM) 900 (UMTS) 1800 (LTE) 800 (LTE)	28,3	7073
4.	60	Antena sektorowa 742215	2100 (UMTS)	28,2	2516
5.	180	Antena sektorowa 742215	2100 (UMTS)	28,2	2516
6.	300	Antena sektorowa 742215	2100 (UMTS)	28,2	2516

EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **20 767** [W]

Objaśnienia:

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

8. WYNIKI BADAŃ

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

Tabela 5

Lp.	Punkt pomiarowy poziomów pól elektromagnetycznych w środowisku	Natężenie pola elektrycznego E **) [V/m]	Niepewność pomiaru $U_{E\ 0,95}$ [V/m]
1.	P-2 Plac św. Jana. Dzielnica Stolarzowice Miasto – Bytom	0,66	± 0,34

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.

9. ZAŁĄCZNIKI

1. *Raport pomiarowy*
   - w postaci elektronicznej, zarchiwizowany w siedzibie Laboratorium WIOŚ;
2. *Fotografie rejonu badań, szt. 4.*
3. *Szkic sytuacyjny rejonu badań.*
4. *Analiza widma promieniowania elektromagnetycznego, SRM - 3006, Narda STS GmbH, Germany, w przedmiotowym zakresie (Ryc. 1).*

KONIEC SPRAWOZDANIA

Instrument / Site

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-2, Plac św. Jana miasto (powiat) - Bytom, województwo śląskie.	N 50^0 24' 01,5" E 18^0 48' 47,7"

Comment
Pomiary monitoringowe poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, wykonane dnia 01 września 2016 r. na terenie zabudowy mieszkaniowej w BYTOMIU dzielnica Stolarzowice, województwo śląskie Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 2.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2016 rok

Measured Values

Timer: Start Time 10:19:32 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	09/01/2016 10:19:42 AM		0.7126 V/m	0.6418 V/m	0.5731 V/m
2	09/01/2016 10:19:52 AM		0.7520 V/m	0.6429 V/m	0.5482 V/m
3	09/01/2016 10:20:02 AM		0.7567 V/m	0.6772 V/m	0.5878 V/m
4	09/01/2016 10:20:12 AM		0.7432 V/m	0.7104 V/m	0.6790 V/m
5	09/01/2016 10:20:22 AM		0.7395 V/m	0.7138 V/m	0.6862 V/m
6	09/01/2016 10:20:32 AM		0.7454 V/m	0.7121 V/m	0.6826 V/m
7	09/01/2016 10:20:42 AM		0.7458 V/m	0.7190 V/m	0.6997 V/m
8	09/01/2016 10:20:52 AM		0.8098 V/m	0.7512 V/m	0.7122 V/m
9	09/01/2016 10:21:02 AM		0.8441 V/m	0.7627 V/m	0.7195 V/m
10	09/01/2016 10:21:12 AM		0.8484 V/m	0.7540 V/m	0.7286 V/m
11	09/01/2016 10:21:22 AM		0.8054 V/m	0.7489 V/m	0.7180 V/m
12	09/01/2016 10:21:32 AM		0.8382 V/m	0.7568 V/m	0.7199 V/m
13	09/01/2016 10:21:42 AM		0.8084 V/m	0.7429 V/m	0.7083 V/m
14	09/01/2016 10:21:52 AM		0.7395 V/m	0.6999 V/m	0.6004 V/m
15	09/01/2016 10:22:02 AM		0.7294 V/m	0.6733 V/m	0.6316 V/m
16	09/01/2016 10:22:12 AM		0.7758 V/m	0.6829 V/m	0.6415 V/m
17	09/01/2016 10:22:22 AM		0.6692 V/m	0.6481 V/m	0.6324 V/m
18	09/01/2016 10:22:32 AM		0.7839 V/m	0.6906 V/m	0.6584 V/m
19	09/01/2016 10:22:42 AM		0.7979 V/m	0.6935 V/m	0.6584 V/m
20	09/01/2016 10:22:52 AM		0.7406 V/m	0.6973 V/m	0.6504 V/m
21	09/01/2016 10:23:02 AM		0.7546 V/m	0.7313 V/m	0.7122 V/m
22	09/01/2016 10:23:12 AM		0.7786 V/m	0.7283 V/m	0.6914 V/m
23	09/01/2016 10:23:22 AM		0.7640 V/m	0.7215 V/m	0.6580 V/m
24	09/01/2016 10:23:32 AM		0.7615 V/m	0.7409 V/m	0.7160 V/m
25	09/01/2016 10:23:42 AM		0.7579 V/m	0.6922 V/m	0.6530 V/m
26	09/01/2016 10:23:52 AM		0.7626 V/m	0.6786 V/m	0.6458 V/m
27	09/01/2016 10:24:02 AM		0.6966 V/m	0.6742 V/m	0.6462 V/m
28	09/01/2016 10:24:12 AM		0.6854 V/m	0.6633 V/m	0.6398 V/m
29	09/01/2016 10:24:22 AM		0.6989 V/m	0.6728 V/m	0.6487 V/m
30	09/01/2016 10:24:32 AM		0.7168 V/m	0.6856 V/m	0.6609 V/m
31	09/01/2016 10:24:42 AM		0.7075 V/m	0.6792 V/m	0.6559 V/m
32	09/01/2016 10:24:52 AM		0.7056 V/m	0.6826 V/m	0.6676 V/m
33	09/01/2016 10:25:02 AM		0.7391 V/m	0.6914 V/m	0.6568 V/m
34	09/01/2016 10:25:12 AM		0.7203 V/m	0.6836 V/m	0.6470 V/m
35	09/01/2016 10:25:22 AM		0.7126 V/m	0.6777 V/m	0.6551 V/m
36	09/01/2016 10:25:32 AM		0.7079 V/m	0.6686 V/m	0.6411 V/m
37	09/01/2016 10:25:42 AM		0.6725 V/m	0.6444 V/m	0.6237 V/m
38	09/01/2016 10:25:52 AM		0.6613 V/m	0.6403 V/m	0.6143 V/m
39	09/01/2016 10:26:02 AM		0.7064 V/m	0.6741 V/m	0.6492 V/m
40	09/01/2016 10:26:12 AM		0.6862 V/m	0.6686 V/m	0.6492 V/m
41	09/01/2016 10:26:22 AM		0.6882 V/m	0.6631 V/m	0.6415 V/m
42	09/01/2016 10:26:32 AM		0.7033 V/m	0.6527 V/m	0.6241 V/m
43	09/01/2016 10:26:42 AM		0.6978 V/m	0.6675 V/m	0.6466 V/m
44	09/01/2016 10:26:52 AM		0.6914 V/m	0.6653 V/m	0.6513 V/m
45	09/01/2016 10:27:02 AM		0.7141 V/m	0.6683 V/m	0.6453 V/m
46	09/01/2016 10:27:12 AM		0.6938 V/m	0.6642 V/m	0.6359 V/m
47	09/01/2016 10:27:22 AM		0.7214 V/m	0.6758 V/m	0.6406 V/m
48	09/01/2016 10:27:32 AM		0.7145 V/m	0.6788 V/m	0.6453 V/m
49	09/01/2016 10:27:42 AM		0.7005 V/m	0.6673 V/m	0.6406 V/m
50	09/01/2016 10:27:52 AM		0.6866 V/m	0.6628 V/m	0.6458 V/m
51	09/01/2016 10:28:02 AM		0.6906 V/m	0.6678 V/m	0.6504 V/m
52	09/01/2016 10:28:12 AM		0.7083 V/m	0.6735 V/m	0.6593 V/m
53	09/01/2016 10:28:22 AM		0.7203 V/m	0.6915 V/m	0.6500 V/m
54	09/01/2016 10:28:32 AM		0.7095 V/m	0.6672 V/m	0.6320 V/m
55	09/01/2016 10:28:42 AM		0.7056 V/m	0.6679 V/m	0.6385 V/m
56	09/01/2016 10:28:52 AM		0.7324 V/m	0.6891 V/m	0.6449 V/m
57	09/01/2016 10:29:02 AM		0.7145 V/m	0.6851 V/m	0.6458 V/m

58	09/01/2016 10:29:12 AM	0.6978 V/m	0.6751 V/m	0.6441 V/m
59	09/01/2016 10:29:22 AM	0.6894 V/m	0.6636 V/m	0.6381 V/m
60	09/01/2016 10:29:32 AM	0.6978 V/m	0.6682 V/m	0.6436 V/m
61	09/01/2016 10:29:42 AM	0.6890 V/m	0.6660 V/m	0.6415 V/m
62	09/01/2016 10:29:52 AM	0.6946 V/m	0.6732 V/m	0.6471 V/m
63	09/01/2016 10:30:02 AM	0.6918 V/m	0.6637 V/m	0.6363 V/m
64	09/01/2016 10:30:12 AM	0.7183 V/m	0.6796 V/m	0.6525 V/m
65	09/01/2016 10:30:22 AM	0.7079 V/m	0.6798 V/m	0.6432 V/m
66	09/01/2016 10:30:32 AM	0.7568 V/m	0.6801 V/m	0.6530 V/m
67	09/01/2016 10:30:42 AM	0.7252 V/m	0.6966 V/m	0.6769 V/m
68	09/01/2016 10:30:52 AM	0.7017 V/m	0.6799 V/m	0.6597 V/m
69	09/01/2016 10:31:02 AM	0.7275 V/m	0.6843 V/m	0.6551 V/m
70	09/01/2016 10:31:12 AM	0.7294 V/m	0.6908 V/m	0.6642 V/m
71	09/01/2016 10:31:22 AM	0.8109 V/m	0.6961 V/m	0.6605 V/m
72	09/01/2016 10:31:32 AM	0.7176 V/m	0.6789 V/m	0.6432 V/m
73	09/01/2016 10:31:42 AM	0.6970 V/m	0.6685 V/m	0.6350 V/m
74	09/01/2016 10:31:52 AM	0.6882 V/m	0.6596 V/m	0.6316 V/m
75	09/01/2016 10:32:02 AM	0.6858 V/m	0.6539 V/m	0.6311 V/m
76	09/01/2016 10:32:12 AM	0.6926 V/m	0.6565 V/m	0.6376 V/m
77	09/01/2016 10:32:22 AM	0.7017 V/m	0.6602 V/m	0.6398 V/m
78	09/01/2016 10:32:32 AM	0.6850 V/m	0.6519 V/m	0.6294 V/m
79	09/01/2016 10:32:42 AM	0.6890 V/m	0.6560 V/m	0.6281 V/m
80	09/01/2016 10:32:52 AM	0.7025 V/m	0.6489 V/m	0.6193 V/m
81	09/01/2016 10:33:02 AM	0.6810 V/m	0.6579 V/m	0.6393 V/m
82	09/01/2016 10:33:12 AM	0.6842 V/m	0.6535 V/m	0.6259 V/m
83	09/01/2016 10:33:22 AM	0.6938 V/m	0.6540 V/m	0.6144 V/m
84	09/01/2016 10:33:32 AM	0.7083 V/m	0.6698 V/m	0.6393 V/m
85	09/01/2016 10:33:42 AM	0.7923 V/m	0.6957 V/m	0.6363 V/m
86	09/01/2016 10:33:52 AM	0.7618 V/m	0.6654 V/m	0.6394 V/m
87	09/01/2016 10:34:02 AM	0.6922 V/m	0.6564 V/m	0.6188 V/m
88	09/01/2016 10:34:12 AM	0.6830 V/m	0.6515 V/m	0.6193 V/m
89	09/01/2016 10:34:22 AM	0.6647 V/m	0.6432 V/m	0.6148 V/m
90	09/01/2016 10:34:32 AM	0.6806 V/m	0.6473 V/m	0.6281 V/m
91	09/01/2016 10:34:42 AM	0.7029 V/m	0.6515 V/m	0.6316 V/m
92	09/01/2016 10:34:52 AM	0.6798 V/m	0.6668 V/m	0.6504 V/m
93	09/01/2016 10:35:02 AM	0.6814 V/m	0.6655 V/m	0.6517 V/m
94	09/01/2016 10:35:12 AM	0.6830 V/m	0.6695 V/m	0.6584 V/m
95	09/01/2016 10:35:22 AM	0.7064 V/m	0.6692 V/m	0.6441 V/m
96	09/01/2016 10:35:32 AM	0.7017 V/m	0.6712 V/m	0.6496 V/m
97	09/01/2016 10:35:42 AM	0.6810 V/m	0.6642 V/m	0.6303 V/m
98	09/01/2016 10:35:52 AM	0.6684 V/m	0.6394 V/m	0.6179 V/m
99	09/01/2016 10:36:02 AM	0.7048 V/m	0.6693 V/m	0.6402 V/m
100	09/01/2016 10:36:12 AM	0.6806 V/m	0.6620 V/m	0.6398 V/m
101	09/01/2016 10:36:22 AM	0.6894 V/m	0.6531 V/m	0.6219 V/m
102	09/01/2016 10:36:32 AM	0.6974 V/m	0.6650 V/m	0.6415 V/m
103	09/01/2016 10:36:42 AM	0.6871 V/m	0.6518 V/m	0.6246 V/m
104	09/01/2016 10:36:52 AM	0.6970 V/m	0.6594 V/m	0.6303 V/m
105	09/01/2016 10:37:02 AM	0.6838 V/m	0.6424 V/m	0.6201 V/m
106	09/01/2016 10:37:12 AM	0.6858 V/m	0.6524 V/m	0.6201 V/m
107	09/01/2016 10:37:22 AM	0.6910 V/m	0.6603 V/m	0.6250 V/m
108	09/01/2016 10:37:32 AM	0.7165 V/m	0.6583 V/m	0.6329 V/m
109	09/01/2016 10:37:42 AM	0.6946 V/m	0.6619 V/m	0.6402 V/m
110	09/01/2016 10:37:52 AM	0.7218 V/m	0.6709 V/m	0.6381 V/m
111	09/01/2016 10:38:02 AM	0.6922 V/m	0.6612 V/m	0.6346 V/m
112	09/01/2016 10:38:12 AM	0.6830 V/m	0.6444 V/m	0.6130 V/m
113	09/01/2016 10:38:22 AM	0.6774 V/m	0.6339 V/m	0.6112 V/m
114	09/01/2016 10:38:32 AM	0.6708 V/m	0.6406 V/m	0.6099 V/m
115	09/01/2016 10:38:42 AM	0.6651 V/m	0.6475 V/m	0.6201 V/m
116	09/01/2016 10:38:52 AM	0.6651 V/m	0.6399 V/m	0.6094 V/m
117	09/01/2016 10:39:02 AM	0.6761 V/m	0.6605 V/m	0.6376 V/m
118	09/01/2016 10:39:12 AM	0.6886 V/m	0.6483 V/m	0.6201 V/m
119	09/01/2016 10:39:22 AM	0.6902 V/m	0.6516 V/m	0.6228 V/m
120	09/01/2016 10:39:32 AM	0.6802 V/m	0.6530 V/m	0.6307 V/m

121	09/01/2016 10:39:42 AM	0.6910 V/m	0.6565 V/m	0.6250 V/m
122	09/01/2016 10:39:52 AM	0.6794 V/m	0.6506 V/m	0.6206 V/m
123	09/01/2016 10:40:02 AM	0.6538 V/m	0.6318 V/m	0.6126 V/m
124	09/01/2016 10:40:12 AM	0.6761 V/m	0.6505 V/m	0.6241 V/m
125	09/01/2016 10:40:22 AM	0.6890 V/m	0.6563 V/m	0.6272 V/m
126	09/01/2016 10:40:32 AM	0.6858 V/m	0.6585 V/m	0.6355 V/m
127	09/01/2016 10:40:42 AM	0.7056 V/m	0.6560 V/m	0.6157 V/m
128	09/01/2016 10:40:52 AM	0.7044 V/m	0.6635 V/m	0.6320 V/m
129	09/01/2016 10:41:02 AM	0.7005 V/m	0.6692 V/m	0.6462 V/m
130	09/01/2016 10:41:12 AM	0.6942 V/m	0.6645 V/m	0.6389 V/m
131	09/01/2016 10:41:22 AM	0.6902 V/m	0.6501 V/m	0.6215 V/m
132	09/01/2016 10:41:32 AM	0.7153 V/m	0.6590 V/m	0.6290 V/m
133	09/01/2016 10:41:42 AM	0.6970 V/m	0.6576 V/m	0.6289 V/m
134	09/01/2016 10:41:52 AM	0.6745 V/m	0.6414 V/m	0.6072 V/m
135	09/01/2016 10:42:02 AM	0.6757 V/m	0.6367 V/m	0.6022 V/m
136	09/01/2016 10:42:12 AM	0.7083 V/m	0.6748 V/m	0.6276 V/m
137	09/01/2016 10:42:22 AM	0.7199 V/m	0.6927 V/m	0.6704 V/m
138	09/01/2016 10:42:32 AM	0.6862 V/m	0.6336 V/m	0.6031 V/m
139	09/01/2016 10:42:42 AM	0.6798 V/m	0.6529 V/m	0.6112 V/m
140	09/01/2016 10:42:52 AM	0.6982 V/m	0.6731 V/m	0.6402 V/m
141	09/01/2016 10:43:02 AM	0.7033 V/m	0.6663 V/m	0.6285 V/m
142	09/01/2016 10:43:12 AM	0.7432 V/m	0.6813 V/m	0.6441 V/m
143	09/01/2016 10:43:22 AM	0.7025 V/m	0.6733 V/m	0.6402 V/m
144	09/01/2016 10:43:32 AM	0.7099 V/m	0.6631 V/m	0.6329 V/m
145	09/01/2016 10:43:42 AM	0.8310 V/m	0.7596 V/m	0.6609 V/m
146	09/01/2016 10:43:52 AM	0.8503 V/m	0.8199 V/m	0.7961 V/m
147	09/01/2016 10:44:02 AM	0.8392 V/m	0.7718 V/m	0.6475 V/m
148	09/01/2016 10:44:12 AM	0.7021 V/m	0.6717 V/m	0.6453 V/m
149	09/01/2016 10:44:22 AM	0.7083 V/m	0.6660 V/m	0.6411 V/m
150	09/01/2016 10:44:32 AM	0.6717 V/m	0.6515 V/m	0.6272 V/m
151	09/01/2016 10:44:42 AM	0.6934 V/m	0.6542 V/m	0.6342 V/m
152	09/01/2016 10:44:52 AM	0.6786 V/m	0.6459 V/m	0.6228 V/m
153	09/01/2016 10:45:02 AM	0.6846 V/m	0.6547 V/m	0.6311 V/m
154	09/01/2016 10:45:12 AM	0.7141 V/m	0.6754 V/m	0.6547 V/m
155	09/01/2016 10:45:22 AM	0.6806 V/m	0.6572 V/m	0.6285 V/m
156	09/01/2016 10:45:32 AM	0.6802 V/m	0.6338 V/m	0.6062 V/m
157	09/01/2016 10:45:42 AM	0.6638 V/m	0.6441 V/m	0.6188 V/m
158	09/01/2016 10:45:52 AM	0.6782 V/m	0.6448 V/m	0.6090 V/m
159	09/01/2016 10:46:02 AM	0.6934 V/m	0.6634 V/m	0.6415 V/m
160	09/01/2016 10:46:12 AM	0.6870 V/m	0.6516 V/m	0.6175 V/m
161	09/01/2016 10:46:22 AM	0.6890 V/m	0.6428 V/m	0.6103 V/m
162	09/01/2016 10:46:32 AM	0.7550 V/m	0.6615 V/m	0.6337 V/m
163	09/01/2016 10:46:42 AM	0.7256 V/m	0.6730 V/m	0.6381 V/m
164	09/01/2016 10:46:52 AM	0.7575 V/m	0.7006 V/m	0.6567 V/m
165	09/01/2016 10:47:02 AM	0.7324 V/m	0.6848 V/m	0.6458 V/m
166	09/01/2016 10:47:12 AM	0.6946 V/m	0.6711 V/m	0.6517 V/m
167	09/01/2016 10:47:22 AM	0.6989 V/m	0.6674 V/m	0.6316 V/m
168	09/01/2016 10:47:32 AM	0.7517 V/m	0.6988 V/m	0.6423 V/m
169	09/01/2016 10:47:42 AM	0.7056 V/m	0.6550 V/m	0.6289 V/m
170	09/01/2016 10:47:52 AM	0.7079 V/m	0.6686 V/m	0.6385 V/m
171	09/01/2016 10:48:02 AM	0.7168 V/m	0.6640 V/m	0.6311 V/m
172	09/01/2016 10:48:12 AM	0.6993 V/m	0.6606 V/m	0.6329 V/m
173	09/01/2016 10:48:22 AM	0.7137 V/m	0.6738 V/m	0.6355 V/m
174	09/01/2016 10:48:32 AM	0.8006 V/m	0.7019 V/m	0.6542 V/m
175	09/01/2016 10:48:42 AM	0.7079 V/m	0.6712 V/m	0.6445 V/m
176	09/01/2016 10:48:52 AM	0.6997 V/m	0.6762 V/m	0.6526 V/m
177	09/01/2016 10:49:02 AM	0.7233 V/m	0.6700 V/m	0.6337 V/m
178	09/01/2016 10:49:12 AM	0.6806 V/m	0.6527 V/m	0.6210 V/m
179	09/01/2016 10:49:22 AM	0.6886 V/m	0.6589 V/m	0.6324 V/m
180	09/01/2016 10:49:32 AM	0.7110 V/m	0.6660 V/m	0.6350 V/m
181	09/01/2016 10:49:42 AM	0.7203 V/m	0.6759 V/m	0.6245 V/m
182	09/01/2016 10:49:52 AM	0.7502 V/m	0.7050 V/m	0.6546 V/m
183	09/01/2016 10:50:02 AM	0.8297 V/m	0.7521 V/m	0.6675 V/m

184	09/01/2016 10:50:12 AM	0.8287 V/m	0.7034 V/m	0.6453 V/m
185	09/01/2016 10:50:22 AM	0.7153 V/m	0.6814 V/m	0.6492 V/m
186	09/01/2016 10:50:32 AM	0.6866 V/m	0.6688 V/m	0.6462 V/m
187	09/01/2016 10:50:42 AM	0.7091 V/m	0.6652 V/m	0.6368 V/m
188	09/01/2016 10:50:52 AM	0.7145 V/m	0.6814 V/m	0.6504 V/m
189	09/01/2016 10:51:02 AM	0.7153 V/m	0.6749 V/m	0.6372 V/m
190	09/01/2016 10:51:12 AM	0.7025 V/m	0.6701 V/m	0.6436 V/m
191	09/01/2016 10:51:22 AM	0.7095 V/m	0.6630 V/m	0.6394 V/m
192	09/01/2016 10:51:32 AM	0.7044 V/m	0.6613 V/m	0.6436 V/m
193	09/01/2016 10:51:42 AM	0.6902 V/m	0.6537 V/m	0.6346 V/m
194	09/01/2016 10:51:52 AM	0.7130 V/m	0.6627 V/m	0.6346 V/m
195	09/01/2016 10:52:02 AM	0.6794 V/m	0.6563 V/m	0.6389 V/m
196	09/01/2016 10:52:12 AM	0.6934 V/m	0.6541 V/m	0.6263 V/m
197	09/01/2016 10:52:22 AM	0.6878 V/m	0.6607 V/m	0.6445 V/m
198	09/01/2016 10:52:32 AM	0.6981 V/m	0.6674 V/m	0.6483 V/m
199	09/01/2016 10:52:42 AM	0.6786 V/m	0.6522 V/m	0.6316 V/m
200	09/01/2016 10:52:52 AM	0.6882 V/m	0.6534 V/m	0.6363 V/m
201	09/01/2016 10:53:02 AM	0.6688 V/m	0.6474 V/m	0.6276 V/m
202	09/01/2016 10:53:12 AM	0.6894 V/m	0.6626 V/m	0.6428 V/m
203	09/01/2016 10:53:22 AM	0.7286 V/m	0.6665 V/m	0.6432 V/m
204	09/01/2016 10:53:32 AM	0.6902 V/m	0.6622 V/m	0.6389 V/m
205	09/01/2016 10:53:42 AM	0.7052 V/m	0.6505 V/m	0.6201 V/m
206	09/01/2016 10:53:52 AM	0.6786 V/m	0.6286 V/m	0.6053 V/m
207	09/01/2016 10:54:02 AM	0.6725 V/m	0.6514 V/m	0.6184 V/m
208	09/01/2016 10:54:12 AM	0.7126 V/m	0.6669 V/m	0.6394 V/m
209	09/01/2016 10:54:22 AM	0.7106 V/m	0.6776 V/m	0.6475 V/m
210	09/01/2016 10:54:32 AM	0.6934 V/m	0.6599 V/m	0.6372 V/m
211	09/01/2016 10:54:42 AM	0.6946 V/m	0.6595 V/m	0.6311 V/m
212	09/01/2016 10:54:52 AM	0.6725 V/m	0.6489 V/m	0.6324 V/m
213	09/01/2016 10:55:02 AM	0.6753 V/m	0.6496 V/m	0.6307 V/m
214	09/01/2016 10:55:12 AM	0.6997 V/m	0.6592 V/m	0.6281 V/m
215	09/01/2016 10:55:22 AM	0.7874 V/m	0.6730 V/m	0.6470 V/m
216	09/01/2016 10:55:32 AM	0.7864 V/m	0.6619 V/m	0.6232 V/m
217	09/01/2016 10:55:42 AM	0.6806 V/m	0.6559 V/m	0.6346 V/m
218	09/01/2016 10:55:52 AM	0.7930 V/m	0.6757 V/m	0.6316 V/m
219	09/01/2016 10:56:02 AM	0.7629 V/m	0.6714 V/m	0.6462 V/m
220	09/01/2016 10:56:12 AM	0.6667 V/m	0.6516 V/m	0.6376 V/m
221	09/01/2016 10:56:22 AM	0.6555 V/m	0.6403 V/m	0.6219 V/m
222	09/01/2016 10:56:32 AM	0.7021 V/m	0.6456 V/m	0.6161 V/m
223	09/01/2016 10:56:42 AM	0.7091 V/m	0.6428 V/m	0.6246 V/m
224	09/01/2016 10:56:52 AM	0.6870 V/m	0.6466 V/m	0.6166 V/m
225	09/01/2016 10:57:02 AM	0.6675 V/m	0.6470 V/m	0.6206 V/m
226	09/01/2016 10:57:12 AM	0.7099 V/m	0.6406 V/m	0.6058 V/m
227	09/01/2016 10:57:22 AM	0.7769 V/m	0.6620 V/m	0.6298 V/m
228	09/01/2016 10:57:32 AM	0.6985 V/m	0.6573 V/m	0.6281 V/m
229	09/01/2016 10:57:42 AM	0.6729 V/m	0.6466 V/m	0.6259 V/m
230	09/01/2016 10:57:52 AM	0.8102 V/m	0.6633 V/m	0.6285 V/m
231	09/01/2016 10:58:02 AM	0.8047 V/m	0.6830 V/m	0.6483 V/m
232	09/01/2016 10:58:12 AM	0.7730 V/m	0.6972 V/m	0.6462 V/m
233	09/01/2016 10:58:22 AM	0.7719 V/m	0.6841 V/m	0.6294 V/m
234	09/01/2016 10:58:32 AM	0.7316 V/m	0.6523 V/m	0.6210 V/m
235	09/01/2016 10:58:42 AM	0.7811 V/m	0.6524 V/m	0.6166 V/m
236	09/01/2016 10:58:52 AM	0.7715 V/m	0.6352 V/m	0.6099 V/m
237	09/01/2016 10:59:02 AM	0.7183 V/m	0.6333 V/m	0.6089 V/m
238	09/01/2016 10:59:12 AM	0.7557 V/m	0.6466 V/m	0.6206 V/m
239	09/01/2016 10:59:22 AM	0.6822 V/m	0.6438 V/m	0.6170 V/m
240	09/01/2016 10:59:32 AM	0.7403 V/m	0.6600 V/m	0.6294 V/m
241	09/01/2016 10:59:42 AM	0.6712 V/m	0.6492 V/m	0.6161 V/m
242	09/01/2016 10:59:52 AM	0.7017 V/m	0.6486 V/m	0.6188 V/m
243	09/01/2016 11:00:02 AM	0.7017 V/m	0.6527 V/m	0.6175 V/m
244	09/01/2016 11:00:12 AM	0.7871 V/m	0.6674 V/m	0.6376 V/m
245	09/01/2016 11:00:22 AM	0.6958 V/m	0.6560 V/m	0.6368 V/m
246	09/01/2016 11:00:32 AM	0.6985 V/m	0.6578 V/m	0.6415 V/m

247	09/01/2016 11:00:42 AM	0.7013 V/m	0.6543 V/m	0.6368 V/m
248	09/01/2016 11:00:52 AM	0.6721 V/m	0.6563 V/m	0.6389 V/m
249	09/01/2016 11:01:02 AM	0.6680 V/m	0.6500 V/m	0.6237 V/m
250	09/01/2016 11:01:12 AM	0.6822 V/m	0.6599 V/m	0.6376 V/m
251	09/01/2016 11:01:22 AM	0.6712 V/m	0.6481 V/m	0.6228 V/m
252	09/01/2016 11:01:32 AM	0.6790 V/m	0.6595 V/m	0.6441 V/m
253	09/01/2016 11:01:42 AM	0.6725 V/m	0.6550 V/m	0.6389 V/m
254	09/01/2016 11:01:52 AM	0.6753 V/m	0.6620 V/m	0.6487 V/m
255	09/01/2016 11:02:02 AM	0.7017 V/m	0.6660 V/m	0.6441 V/m
256	09/01/2016 11:02:12 AM	0.7829 V/m	0.6822 V/m	0.6307 V/m
257	09/01/2016 11:02:22 AM	0.7025 V/m	0.6536 V/m	0.6298 V/m
258	09/01/2016 11:02:32 AM	0.7161 V/m	0.6709 V/m	0.6521 V/m
259	09/01/2016 11:02:42 AM	0.6753 V/m	0.6624 V/m	0.6487 V/m
260	09/01/2016 11:02:52 AM	0.6810 V/m	0.6571 V/m	0.6359 V/m
261	09/01/2016 11:03:02 AM	0.6886 V/m	0.6504 V/m	0.6294 V/m
262	09/01/2016 11:03:12 AM	0.6966 V/m	0.6603 V/m	0.6372 V/m
263	09/01/2016 11:03:22 AM	0.6774 V/m	0.6550 V/m	0.6337 V/m
264	09/01/2016 11:03:32 AM	0.6622 V/m	0.6450 V/m	0.6324 V/m
265	09/01/2016 11:03:42 AM	0.6428 V/m	0.6298 V/m	0.6126 V/m
266	09/01/2016 11:03:52 AM	0.6385 V/m	0.6218 V/m	0.5989 V/m
267	09/01/2016 11:04:02 AM	0.6517 V/m	0.6257 V/m	0.6026 V/m
268	09/01/2016 11:04:12 AM	0.7480 V/m	0.6573 V/m	0.6143 V/m
269	09/01/2016 11:04:22 AM	0.7361 V/m	0.6532 V/m	0.6179 V/m
270	09/01/2016 11:04:32 AM	0.7099 V/m	0.6347 V/m	0.6107 V/m
271	09/01/2016 11:04:42 AM	0.7191 V/m	0.6382 V/m	0.6021 V/m
272	09/01/2016 11:04:52 AM	0.6918 V/m	0.6418 V/m	0.6112 V/m
273	09/01/2016 11:05:02 AM	0.6584 V/m	0.6343 V/m	0.5962 V/m
274	09/01/2016 11:05:12 AM	0.6584 V/m	0.6407 V/m	0.6232 V/m
275	09/01/2016 11:05:22 AM	0.6810 V/m	0.6509 V/m	0.6303 V/m
276	09/01/2016 11:05:32 AM	0.6642 V/m	0.6510 V/m	0.6415 V/m
277	09/01/2016 11:05:42 AM	0.6910 V/m	0.6666 V/m	0.6500 V/m
278	09/01/2016 11:05:52 AM	0.7458 V/m	0.6594 V/m	0.6376 V/m
279	09/01/2016 11:06:02 AM	0.6642 V/m	0.6515 V/m	0.6320 V/m
280	09/01/2016 11:06:12 AM	0.6733 V/m	0.6542 V/m	0.6259 V/m
281	09/01/2016 11:06:22 AM	0.6794 V/m	0.6495 V/m	0.6259 V/m
282	09/01/2016 11:06:32 AM	0.6985 V/m	0.6576 V/m	0.6406 V/m
283	09/01/2016 11:06:42 AM	0.6894 V/m	0.6680 V/m	0.6517 V/m
284	09/01/2016 11:06:52 AM	0.7110 V/m	0.6797 V/m	0.6475 V/m
285	09/01/2016 11:07:02 AM	0.6753 V/m	0.6470 V/m	0.6281 V/m
286	09/01/2016 11:07:12 AM	0.6910 V/m	0.6564 V/m	0.6307 V/m
287	09/01/2016 11:07:22 AM	0.6794 V/m	0.6556 V/m	0.6259 V/m
288	09/01/2016 11:07:32 AM	0.6966 V/m	0.6610 V/m	0.6289 V/m
289	09/01/2016 11:07:42 AM	0.8542 V/m	0.7036 V/m	0.6302 V/m
290	09/01/2016 11:07:52 AM	0.7110 V/m	0.6727 V/m	0.6546 V/m
291	09/01/2016 11:08:02 AM	0.7134 V/m	0.6731 V/m	0.6479 V/m
292	09/01/2016 11:08:12 AM	0.6950 V/m	0.6457 V/m	0.6116 V/m
293	09/01/2016 11:08:22 AM	0.6770 V/m	0.6519 V/m	0.6289 V/m
294	09/01/2016 11:08:32 AM	0.7083 V/m	0.6658 V/m	0.6398 V/m
295	09/01/2016 11:08:42 AM	0.7075 V/m	0.6677 V/m	0.6363 V/m
296	09/01/2016 11:08:52 AM	0.7207 V/m	0.6604 V/m	0.6276 V/m
297	09/01/2016 11:09:02 AM	0.7583 V/m	0.6781 V/m	0.6223 V/m
298	09/01/2016 11:09:12 AM	0.7583 V/m	0.7125 V/m	0.6859 V/m
299	09/01/2016 11:09:22 AM	0.6994 V/m	0.6618 V/m	0.6350 V/m
300	09/01/2016 11:09:32 AM	0.6725 V/m	0.6432 V/m	0.6179 V/m
301	09/01/2016 11:09:42 AM	0.6950 V/m	0.6527 V/m	0.6219 V/m
302	09/01/2016 11:09:52 AM	0.6954 V/m	0.6450 V/m	0.6192 V/m
303	09/01/2016 11:10:02 AM	0.6559 V/m	0.6395 V/m	0.6210 V/m
304	09/01/2016 11:10:12 AM	0.6806 V/m	0.6530 V/m	0.6210 V/m
305	09/01/2016 11:10:22 AM	0.6741 V/m	0.6481 V/m	0.6320 V/m
306	09/01/2016 11:10:32 AM	0.6810 V/m	0.6582 V/m	0.6419 V/m
307	09/01/2016 11:10:42 AM	0.6688 V/m	0.6439 V/m	0.6303 V/m
308	09/01/2016 11:10:52 AM	0.6630 V/m	0.6500 V/m	0.6311 V/m
309	09/01/2016 11:11:02 AM	0.6870 V/m	0.6490 V/m	0.6245 V/m

310	09/01/2016 11:11:12 AM	0.6680 V/m	0.6435 V/m	0.6316 V/m
311	09/01/2016 11:11:22 AM	0.6651 V/m	0.6318 V/m	0.6116 V/m
312	09/01/2016 11:11:32 AM	0.6593 V/m	0.6438 V/m	0.6134 V/m
313	09/01/2016 11:11:42 AM	0.6790 V/m	0.6483 V/m	0.6311 V/m
314	09/01/2016 11:11:52 AM	0.6737 V/m	0.6593 V/m	0.6385 V/m
315	09/01/2016 11:12:02 AM	0.6902 V/m	0.6586 V/m	0.6436 V/m
316	09/01/2016 11:12:12 AM	0.7965 V/m	0.7286 V/m	0.6475 V/m
317	09/01/2016 11:12:22 AM	0.7843 V/m	0.6773 V/m	0.6098 V/m
318	09/01/2016 11:12:32 AM	0.6926 V/m	0.6500 V/m	0.6206 V/m
319	09/01/2016 11:12:42 AM	0.6902 V/m	0.6490 V/m	0.6298 V/m
320	09/01/2016 11:12:52 AM	0.6898 V/m	0.6556 V/m	0.6241 V/m
321	09/01/2016 11:13:02 AM	0.7233 V/m	0.6648 V/m	0.6320 V/m
322	09/01/2016 11:13:12 AM	0.6862 V/m	0.6483 V/m	0.6259 V/m
323	09/01/2016 11:13:22 AM	0.6838 V/m	0.6549 V/m	0.6285 V/m
324	09/01/2016 11:13:32 AM	0.7210 V/m	0.6796 V/m	0.6475 V/m
325	09/01/2016 11:13:42 AM	0.6934 V/m	0.6572 V/m	0.6303 V/m
326	09/01/2016 11:13:52 AM	0.6659 V/m	0.6434 V/m	0.6250 V/m
327	09/01/2016 11:14:02 AM	0.7021 V/m	0.6710 V/m	0.6393 V/m
328	09/01/2016 11:14:12 AM	0.7172 V/m	0.6631 V/m	0.6337 V/m
329	09/01/2016 11:14:22 AM	0.6834 V/m	0.6414 V/m	0.6080 V/m
330	09/01/2016 11:14:32 AM	0.6802 V/m	0.6384 V/m	0.6062 V/m
331	09/01/2016 11:14:42 AM	0.6721 V/m	0.6437 V/m	0.6103 V/m
332	09/01/2016 11:14:52 AM	0.6942 V/m	0.6660 V/m	0.6355 V/m
333	09/01/2016 11:15:02 AM	0.6721 V/m	0.6491 V/m	0.6281 V/m
334	09/01/2016 11:15:12 AM	0.6704 V/m	0.6346 V/m	0.6170 V/m
335	09/01/2016 11:15:22 AM	0.6918 V/m	0.6550 V/m	0.6276 V/m
336	09/01/2016 11:15:32 AM	0.6894 V/m	0.6527 V/m	0.6294 V/m
337	09/01/2016 11:15:42 AM	0.6704 V/m	0.6543 V/m	0.6406 V/m
338	09/01/2016 11:15:52 AM	0.6753 V/m	0.6439 V/m	0.6228 V/m
339	09/01/2016 11:16:02 AM	0.6617 V/m	0.6416 V/m	0.6130 V/m
340	09/01/2016 11:16:12 AM	0.6761 V/m	0.6508 V/m	0.6298 V/m
341	09/01/2016 11:16:22 AM	0.6918 V/m	0.6638 V/m	0.6441 V/m
342	09/01/2016 11:16:32 AM	0.6538 V/m	0.6445 V/m	0.6337 V/m
343	09/01/2016 11:16:42 AM	0.6609 V/m	0.6446 V/m	0.6281 V/m
344	09/01/2016 11:16:52 AM	0.6769 V/m	0.6538 V/m	0.6294 V/m
345	09/01/2016 11:17:02 AM	0.6842 V/m	0.6519 V/m	0.6385 V/m
346	09/01/2016 11:17:12 AM	0.6675 V/m	0.6450 V/m	0.6268 V/m
347	09/01/2016 11:17:22 AM	0.7040 V/m	0.6492 V/m	0.6219 V/m
348	09/01/2016 11:17:32 AM	0.7149 V/m	0.6597 V/m	0.6423 V/m
349	09/01/2016 11:17:42 AM	0.6688 V/m	0.6446 V/m	0.6272 V/m
350	09/01/2016 11:17:52 AM	0.6806 V/m	0.6547 V/m	0.6398 V/m
351	09/01/2016 11:18:02 AM	0.6741 V/m	0.6597 V/m	0.6470 V/m
352	09/01/2016 11:18:12 AM	0.6757 V/m	0.6482 V/m	0.6298 V/m
353	09/01/2016 11:18:22 AM	0.6634 V/m	0.6485 V/m	0.6342 V/m
354	09/01/2016 11:18:32 AM	0.6588 V/m	0.6431 V/m	0.6250 V/m
355	09/01/2016 11:18:42 AM	0.6950 V/m	0.6630 V/m	0.6237 V/m
356	09/01/2016 11:18:52 AM	0.6954 V/m	0.6561 V/m	0.6285 V/m
357	09/01/2016 11:19:02 AM	0.6958 V/m	0.6588 V/m	0.6402 V/m
358	09/01/2016 11:19:12 AM	0.7413 V/m	0.6666 V/m	0.6500 V/m
359	09/01/2016 11:19:22 AM	0.6890 V/m	0.6576 V/m	0.6423 V/m
360	09/01/2016 11:19:32 AM	0.6902 V/m	0.6565 V/m	0.6402 V/m
361	09/01/2016 11:19:42 AM	0.7335 V/m	0.6823 V/m	0.6424 V/m
362	09/01/2016 11:19:52 AM	0.7954 V/m	0.7151 V/m	0.6462 V/m
363	09/01/2016 11:20:02 AM	0.6753 V/m	0.6536 V/m	0.6406 V/m
364	09/01/2016 11:20:12 AM	0.7361 V/m	0.6725 V/m	0.6411 V/m
365	09/01/2016 11:20:22 AM	0.7346 V/m	0.6724 V/m	0.6393 V/m
366	09/01/2016 11:20:32 AM	0.7176 V/m	0.6565 V/m	0.6389 V/m
367	09/01/2016 11:20:42 AM	0.6671 V/m	0.6469 V/m	0.6342 V/m
368	09/01/2016 11:20:52 AM	0.6593 V/m	0.6435 V/m	0.6298 V/m
369	09/01/2016 11:21:02 AM	0.6534 V/m	0.6262 V/m	0.5994 V/m
370	09/01/2016 11:21:12 AM	0.6470 V/m	0.6135 V/m	0.5901 V/m
371	09/01/2016 11:21:22 AM	0.7013 V/m	0.6069 V/m	0.5727 V/m
372	09/01/2016 11:21:32 AM	0.6449 V/m	0.6042 V/m	0.5789 V/m

373	09/01/2016 11:21:42 AM	0.6385 V/m	0.6085 V/m	0.5897 V/m
374	09/01/2016 11:21:52 AM	0.6329 V/m	0.6132 V/m	0.5803 V/m
375	09/01/2016 11:22:02 AM	0.6902 V/m	0.6384 V/m	0.6021 V/m
376	09/01/2016 11:22:12 AM	0.6866 V/m	0.6539 V/m	0.6188 V/m
377	09/01/2016 11:22:22 AM	0.6449 V/m	0.6227 V/m	0.6062 V/m
378	09/01/2016 11:22:32 AM	0.6617 V/m	0.6335 V/m	0.6044 V/m
379	09/01/2016 11:22:42 AM	0.6525 V/m	0.6339 V/m	0.6179 V/m
380	09/01/2016 11:22:52 AM	0.6385 V/m	0.6175 V/m	0.5906 V/m
381	09/01/2016 11:23:02 AM	0.6757 V/m	0.6358 V/m	0.5915 V/m
382	09/01/2016 11:23:12 AM	0.7033 V/m	0.6798 V/m	0.6568 V/m
383	09/01/2016 11:23:22 AM	0.6922 V/m	0.6741 V/m	0.6542 V/m
384	09/01/2016 11:23:32 AM	0.6850 V/m	0.6661 V/m	0.6445 V/m
385	09/01/2016 11:23:42 AM	0.6970 V/m	0.6679 V/m	0.6376 V/m
386	09/01/2016 11:23:52 AM	0.7130 V/m	0.6762 V/m	0.6555 V/m
387	09/01/2016 11:24:02 AM	0.6786 V/m	0.6697 V/m	0.6588 V/m
388	09/01/2016 11:24:12 AM	0.7068 V/m	0.6788 V/m	0.6609 V/m
389	09/01/2016 11:24:22 AM	0.7040 V/m	0.6871 V/m	0.6721 V/m
390	09/01/2016 11:24:32 AM	0.7068 V/m	0.6814 V/m	0.6712 V/m
391	09/01/2016 11:24:42 AM	0.6974 V/m	0.6848 V/m	0.6712 V/m
392	09/01/2016 11:24:52 AM	0.6954 V/m	0.6801 V/m	0.6675 V/m
393	09/01/2016 11:25:02 AM	0.6966 V/m	0.6748 V/m	0.6638 V/m
394	09/01/2016 11:25:12 AM	0.6798 V/m	0.6448 V/m	0.6188 V/m
395	09/01/2016 11:25:22 AM	0.6483 V/m	0.6255 V/m	0.6139 V/m
396	09/01/2016 11:25:32 AM	0.6449 V/m	0.6289 V/m	0.6017 V/m
397	09/01/2016 11:25:42 AM	0.6580 V/m	0.6420 V/m	0.6285 V/m
398	09/01/2016 11:25:52 AM	0.6517 V/m	0.6254 V/m	0.6130 V/m
399	09/01/2016 11:26:02 AM	0.6462 V/m	0.6226 V/m	0.6089 V/m
400	09/01/2016 11:26:12 AM	0.6449 V/m	0.6264 V/m	0.6085 V/m
401	09/01/2016 11:26:22 AM	0.6630 V/m	0.6275 V/m	0.6099 V/m
402	09/01/2016 11:26:32 AM	0.6597 V/m	0.6429 V/m	0.6250 V/m
403	09/01/2016 11:26:42 AM	0.6609 V/m	0.6448 V/m	0.6237 V/m
404	09/01/2016 11:26:52 AM	0.6436 V/m	0.6240 V/m	0.6058 V/m
405	09/01/2016 11:27:02 AM	0.6509 V/m	0.6357 V/m	0.6192 V/m
406	09/01/2016 11:27:12 AM	0.6597 V/m	0.6390 V/m	0.6246 V/m
407	09/01/2016 11:27:22 AM	0.6563 V/m	0.6444 V/m	0.6259 V/m
408	09/01/2016 11:27:32 AM	0.6592 V/m	0.6445 V/m	0.6355 V/m
409	09/01/2016 11:27:42 AM	0.6572 V/m	0.6433 V/m	0.6184 V/m
410	09/01/2016 11:27:52 AM	0.7864 V/m	0.6583 V/m	0.6307 V/m
411	09/01/2016 11:28:02 AM	0.6834 V/m	0.6566 V/m	0.6372 V/m
412	09/01/2016 11:28:12 AM	0.7350 V/m	0.6800 V/m	0.6513 V/m
413	09/01/2016 11:28:22 AM	0.7099 V/m	0.6788 V/m	0.6563 V/m
414	09/01/2016 11:28:32 AM	0.6997 V/m	0.6804 V/m	0.6538 V/m
415	09/01/2016 11:28:42 AM	0.7172 V/m	0.6565 V/m	0.6324 V/m
416	09/01/2016 11:28:52 AM	0.6798 V/m	0.6603 V/m	0.6462 V/m
417	09/01/2016 11:29:02 AM	0.6838 V/m	0.6681 V/m	0.6517 V/m
418	09/01/2016 11:29:12 AM	0.7013 V/m	0.6636 V/m	0.6406 V/m
419	09/01/2016 11:29:22 AM	0.6617 V/m	0.6456 V/m	0.6245 V/m
420	09/01/2016 11:29:32 AM	0.6830 V/m	0.6624 V/m	0.6419 V/m
421	09/01/2016 11:29:42 AM	0.6946 V/m	0.6686 V/m	0.6475 V/m
422	09/01/2016 11:29:52 AM	0.6918 V/m	0.6684 V/m	0.6406 V/m
423	09/01/2016 11:30:02 AM	0.6942 V/m	0.6706 V/m	0.6530 V/m
424	09/01/2016 11:30:12 AM	0.6902 V/m	0.6540 V/m	0.6337 V/m
425	09/01/2016 11:30:22 AM	0.7040 V/m	0.6662 V/m	0.6432 V/m
426	09/01/2016 11:30:32 AM	0.6733 V/m	0.6546 V/m	0.6423 V/m
427	09/01/2016 11:30:42 AM	0.6696 V/m	0.6580 V/m	0.6449 V/m
428	09/01/2016 11:30:52 AM	0.6989 V/m	0.6569 V/m	0.6436 V/m
429	09/01/2016 11:31:02 AM	0.7439 V/m	0.6775 V/m	0.6449 V/m
430	09/01/2016 11:31:12 AM	0.7793 V/m	0.7031 V/m	0.6593 V/m
431	09/01/2016 11:31:22 AM	0.6814 V/m	0.6613 V/m	0.6466 V/m
432	09/01/2016 11:31:32 AM	0.6910 V/m	0.6648 V/m	0.6496 V/m
433	09/01/2016 11:31:42 AM	0.6778 V/m	0.6532 V/m	0.6389 V/m
434	09/01/2016 11:31:52 AM	0.7001 V/m	0.6676 V/m	0.6436 V/m
435	09/01/2016 11:32:02 AM	0.6934 V/m	0.6590 V/m	0.6355 V/m

436	09/01/2016 11:32:12 AM	0.7009 V/m	0.6630 V/m	0.6272 V/m
437	09/01/2016 11:32:22 AM	0.7611 V/m	0.6897 V/m	0.6324 V/m
438	09/01/2016 11:32:32 AM	0.7402 V/m	0.6548 V/m	0.6210 V/m
439	09/01/2016 11:32:42 AM	0.8149 V/m	0.6672 V/m	0.6161 V/m
440	09/01/2016 11:32:52 AM	0.7461 V/m	0.6611 V/m	0.6157 V/m
441	09/01/2016 11:33:02 AM	0.8088 V/m	0.6715 V/m	0.6368 V/m
442	09/01/2016 11:33:12 AM	0.6794 V/m	0.6588 V/m	0.6342 V/m
443	09/01/2016 11:33:22 AM	0.6659 V/m	0.6366 V/m	0.6067 V/m
444	09/01/2016 11:33:32 AM	0.6786 V/m	0.6570 V/m	0.6272 V/m
445	09/01/2016 11:33:42 AM	0.6894 V/m	0.6625 V/m	0.6483 V/m
446	09/01/2016 11:33:52 AM	0.6613 V/m	0.6365 V/m	0.6161 V/m
447	09/01/2016 11:34:02 AM	0.6729 V/m	0.6501 V/m	0.6307 V/m
448	09/01/2016 11:34:12 AM	0.6890 V/m	0.6605 V/m	0.6372 V/m
449	09/01/2016 11:34:22 AM	0.6745 V/m	0.6547 V/m	0.6350 V/m
450	09/01/2016 11:34:32 AM	0.6794 V/m	0.6511 V/m	0.6363 V/m
451	09/01/2016 11:34:42 AM	0.6663 V/m	0.6402 V/m	0.6179 V/m
452	09/01/2016 11:34:52 AM	0.6918 V/m	0.6536 V/m	0.6402 V/m
453	09/01/2016 11:35:02 AM	0.6630 V/m	0.6350 V/m	0.6201 V/m
454	09/01/2016 11:35:12 AM	0.7044 V/m	0.6592 V/m	0.6350 V/m
455	09/01/2016 11:35:22 AM	0.6745 V/m	0.6563 V/m	0.6355 V/m
456	09/01/2016 11:35:32 AM	0.6830 V/m	0.6627 V/m	0.6359 V/m
457	09/01/2016 11:35:42 AM	0.6712 V/m	0.6497 V/m	0.6272 V/m
458	09/01/2016 11:35:52 AM	0.6778 V/m	0.6576 V/m	0.6415 V/m
459	09/01/2016 11:36:02 AM	0.6729 V/m	0.6482 V/m	0.6267 V/m
460	09/01/2016 11:36:12 AM	0.6721 V/m	0.6468 V/m	0.6355 V/m
461	09/01/2016 11:36:22 AM	0.6774 V/m	0.6378 V/m	0.6175 V/m
462	09/01/2016 11:36:32 AM	0.6563 V/m	0.6407 V/m	0.6254 V/m
463	09/01/2016 11:36:42 AM	0.6778 V/m	0.6449 V/m	0.6223 V/m
464	09/01/2016 11:36:52 AM	0.6622 V/m	0.6397 V/m	0.6184 V/m
465	09/01/2016 11:37:02 AM	0.6966 V/m	0.6418 V/m	0.6232 V/m
466	09/01/2016 11:37:12 AM	0.6466 V/m	0.6330 V/m	0.6175 V/m
467	09/01/2016 11:37:22 AM	0.6584 V/m	0.6311 V/m	0.5887 V/m
468	09/01/2016 11:37:32 AM	0.6538 V/m	0.6251 V/m	0.6044 V/m
469	09/01/2016 11:37:42 AM	0.6542 V/m	0.6314 V/m	0.6183 V/m
470	09/01/2016 11:37:52 AM	0.6555 V/m	0.6398 V/m	0.6219 V/m
471	09/01/2016 11:38:02 AM	0.6914 V/m	0.6517 V/m	0.6285 V/m
472	09/01/2016 11:38:12 AM	0.6737 V/m	0.6485 V/m	0.6346 V/m
473	09/01/2016 11:38:22 AM	0.6802 V/m	0.6481 V/m	0.6267 V/m
474	09/01/2016 11:38:32 AM	0.7056 V/m	0.6807 V/m	0.6436 V/m
475	09/01/2016 11:38:42 AM	0.7244 V/m	0.6659 V/m	0.6428 V/m
476	09/01/2016 11:38:52 AM	0.6934 V/m	0.6491 V/m	0.6250 V/m
477	09/01/2016 11:39:02 AM	0.6696 V/m	0.6467 V/m	0.6197 V/m
478	09/01/2016 11:39:12 AM	0.6712 V/m	0.6410 V/m	0.6179 V/m
479	09/01/2016 11:39:22 AM	0.6588 V/m	0.6409 V/m	0.6210 V/m
480	09/01/2016 11:39:32 AM	0.6745 V/m	0.6493 V/m	0.6289 V/m
481	09/01/2016 11:39:42 AM	0.6605 V/m	0.6494 V/m	0.6385 V/m
482	09/01/2016 11:39:52 AM	0.6651 V/m	0.6506 V/m	0.6298 V/m
483	09/01/2016 11:40:02 AM	0.6737 V/m	0.6544 V/m	0.6432 V/m
484	09/01/2016 11:40:12 AM	0.6708 V/m	0.6562 V/m	0.6411 V/m
485	09/01/2016 11:40:22 AM	0.7327 V/m	0.6643 V/m	0.6385 V/m
486	09/01/2016 11:40:32 AM	0.7369 V/m	0.6611 V/m	0.6254 V/m
487	09/01/2016 11:40:42 AM	0.7402 V/m	0.6568 V/m	0.6385 V/m
488	09/01/2016 11:40:52 AM	0.7267 V/m	0.6757 V/m	0.6419 V/m
489	09/01/2016 11:41:02 AM	0.7029 V/m	0.6682 V/m	0.6372 V/m
490	09/01/2016 11:41:12 AM	0.6729 V/m	0.6606 V/m	0.6436 V/m
491	09/01/2016 11:41:22 AM	0.7372 V/m	0.6502 V/m	0.6254 V/m
492	09/01/2016 11:41:32 AM	0.7498 V/m	0.6543 V/m	0.6289 V/m
493	09/01/2016 11:41:42 AM	0.7818 V/m	0.7030 V/m	0.6479 V/m
494	09/01/2016 11:41:52 AM	0.7611 V/m	0.7019 V/m	0.6281 V/m
495	09/01/2016 11:42:02 AM	0.6700 V/m	0.6282 V/m	0.6121 V/m
496	09/01/2016 11:42:12 AM	0.6765 V/m	0.6399 V/m	0.6062 V/m
497	09/01/2016 11:42:22 AM	0.6725 V/m	0.6341 V/m	0.6049 V/m
498	09/01/2016 11:42:32 AM	0.6609 V/m	0.6386 V/m	0.6210 V/m

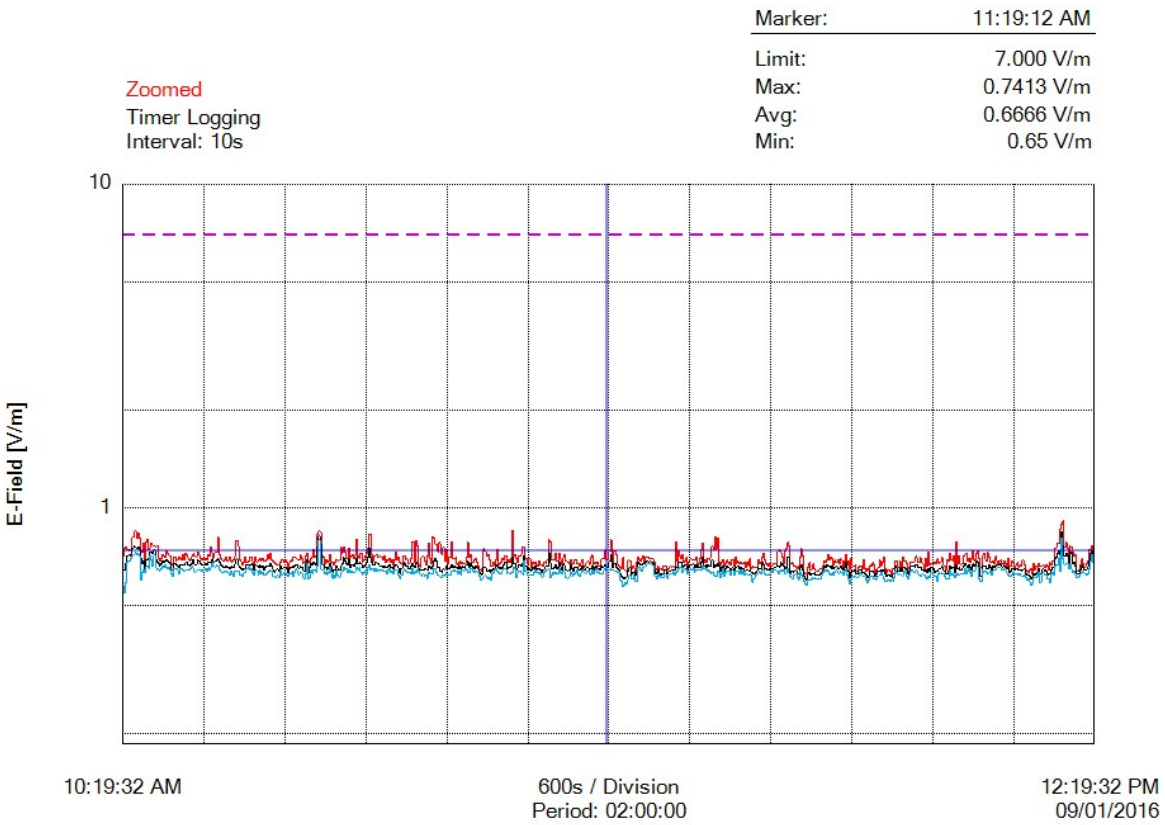
499	09/01/2016 11:42:42 AM	0.6559 V/m	0.6414 V/m	0.6276 V/m
500	09/01/2016 11:42:52 AM	0.6462 V/m	0.6260 V/m	0.6098 V/m
501	09/01/2016 11:43:02 AM	0.6588 V/m	0.6252 V/m	0.5998 V/m
502	09/01/2016 11:43:12 AM	0.7021 V/m	0.6563 V/m	0.6346 V/m
503	09/01/2016 11:43:22 AM	0.7469 V/m	0.6691 V/m	0.6223 V/m
504	09/01/2016 11:43:32 AM	0.7091 V/m	0.6445 V/m	0.6067 V/m
505	09/01/2016 11:43:42 AM	0.6320 V/m	0.6124 V/m	0.5915 V/m
506	09/01/2016 11:43:52 AM	0.6285 V/m	0.6011 V/m	0.5826 V/m
507	09/01/2016 11:44:02 AM	0.6276 V/m	0.5998 V/m	0.5779 V/m
508	09/01/2016 11:44:12 AM	0.6576 V/m	0.6235 V/m	0.5985 V/m
509	09/01/2016 11:44:22 AM	0.6769 V/m	0.6337 V/m	0.5966 V/m
510	09/01/2016 11:44:32 AM	0.6406 V/m	0.6195 V/m	0.6003 V/m
511	09/01/2016 11:44:42 AM	0.6479 V/m	0.6275 V/m	0.6071 V/m
512	09/01/2016 11:44:52 AM	0.6708 V/m	0.6250 V/m	0.6017 V/m
513	09/01/2016 11:45:02 AM	0.6483 V/m	0.6299 V/m	0.6071 V/m
514	09/01/2016 11:45:12 AM	0.6398 V/m	0.6203 V/m	0.6030 V/m
515	09/01/2016 11:45:22 AM	0.6376 V/m	0.6190 V/m	0.6026 V/m
516	09/01/2016 11:45:32 AM	0.6453 V/m	0.6195 V/m	0.6012 V/m
517	09/01/2016 11:45:42 AM	0.6479 V/m	0.6258 V/m	0.6030 V/m
518	09/01/2016 11:45:52 AM	0.6475 V/m	0.6314 V/m	0.6166 V/m
519	09/01/2016 11:46:02 AM	0.6634 V/m	0.6454 V/m	0.6289 V/m
520	09/01/2016 11:46:12 AM	0.6838 V/m	0.6623 V/m	0.6453 V/m
521	09/01/2016 11:46:22 AM	0.6802 V/m	0.6565 V/m	0.6355 V/m
522	09/01/2016 11:46:32 AM	0.6922 V/m	0.6659 V/m	0.6458 V/m
523	09/01/2016 11:46:42 AM	0.7176 V/m	0.6611 V/m	0.6354 V/m
524	09/01/2016 11:46:52 AM	0.6914 V/m	0.6579 V/m	0.6272 V/m
525	09/01/2016 11:47:02 AM	0.7060 V/m	0.6507 V/m	0.6206 V/m
526	09/01/2016 11:47:12 AM	0.6985 V/m	0.6631 V/m	0.6307 V/m
527	09/01/2016 11:47:22 AM	0.6667 V/m	0.6487 V/m	0.6192 V/m
528	09/01/2016 11:47:32 AM	0.6894 V/m	0.6554 V/m	0.6324 V/m
529	09/01/2016 11:47:42 AM	0.6778 V/m	0.6583 V/m	0.6402 V/m
530	09/01/2016 11:47:52 AM	0.6938 V/m	0.6471 V/m	0.6289 V/m
531	09/01/2016 11:48:02 AM	0.6729 V/m	0.6502 V/m	0.6272 V/m
532	09/01/2016 11:48:12 AM	0.6958 V/m	0.6604 V/m	0.6359 V/m
533	09/01/2016 11:48:22 AM	0.6894 V/m	0.6501 V/m	0.6316 V/m
534	09/01/2016 11:48:32 AM	0.6567 V/m	0.6408 V/m	0.6219 V/m
535	09/01/2016 11:48:42 AM	0.6830 V/m	0.6553 V/m	0.6354 V/m
536	09/01/2016 11:48:52 AM	0.7141 V/m	0.6771 V/m	0.6415 V/m
537	09/01/2016 11:49:02 AM	0.6671 V/m	0.6439 V/m	0.6210 V/m
538	09/01/2016 11:49:12 AM	0.6830 V/m	0.6356 V/m	0.6017 V/m
539	09/01/2016 11:49:22 AM	0.6458 V/m	0.6086 V/m	0.5807 V/m
540	09/01/2016 11:49:32 AM	0.6985 V/m	0.6349 V/m	0.5971 V/m
541	09/01/2016 11:49:42 AM	0.6622 V/m	0.6380 V/m	0.6152 V/m
542	09/01/2016 11:49:52 AM	0.6601 V/m	0.6373 V/m	0.6116 V/m
543	09/01/2016 11:50:02 AM	0.6663 V/m	0.6451 V/m	0.6161 V/m
544	09/01/2016 11:50:12 AM	0.6359 V/m	0.6242 V/m	0.6103 V/m
545	09/01/2016 11:50:22 AM	0.6525 V/m	0.6380 V/m	0.6112 V/m
546	09/01/2016 11:50:32 AM	0.6630 V/m	0.6458 V/m	0.6311 V/m
547	09/01/2016 11:50:42 AM	0.6634 V/m	0.6422 V/m	0.6254 V/m
548	09/01/2016 11:50:52 AM	0.6492 V/m	0.6325 V/m	0.6179 V/m
549	09/01/2016 11:51:02 AM	0.6906 V/m	0.6332 V/m	0.6121 V/m
550	09/01/2016 11:51:12 AM	0.6513 V/m	0.6267 V/m	0.6121 V/m
551	09/01/2016 11:51:22 AM	0.6372 V/m	0.6202 V/m	0.5975 V/m
552	09/01/2016 11:51:32 AM	0.6487 V/m	0.6108 V/m	0.5859 V/m
553	09/01/2016 11:51:42 AM	0.6445 V/m	0.6153 V/m	0.5966 V/m
554	09/01/2016 11:51:52 AM	0.6638 V/m	0.6384 V/m	0.6130 V/m
555	09/01/2016 11:52:02 AM	0.6601 V/m	0.6366 V/m	0.6170 V/m
556	09/01/2016 11:52:12 AM	0.6757 V/m	0.6398 V/m	0.6134 V/m
557	09/01/2016 11:52:22 AM	0.6638 V/m	0.6268 V/m	0.6017 V/m
558	09/01/2016 11:52:32 AM	0.6315 V/m	0.6135 V/m	0.5989 V/m
559	09/01/2016 11:52:42 AM	0.6458 V/m	0.6277 V/m	0.6053 V/m
560	09/01/2016 11:52:52 AM	0.6538 V/m	0.6397 V/m	0.6152 V/m
561	09/01/2016 11:53:02 AM	0.6898 V/m	0.6364 V/m	0.6197 V/m

562	09/01/2016 11:53:12 AM	0.6622 V/m	0.6431 V/m	0.6316 V/m
563	09/01/2016 11:53:22 AM	0.6786 V/m	0.6377 V/m	0.6184 V/m
564	09/01/2016 11:53:32 AM	0.7048 V/m	0.6425 V/m	0.6030 V/m
565	09/01/2016 11:53:42 AM	0.6513 V/m	0.6280 V/m	0.5952 V/m
566	09/01/2016 11:53:52 AM	0.6315 V/m	0.6136 V/m	0.5929 V/m
567	09/01/2016 11:54:02 AM	0.6453 V/m	0.6195 V/m	0.5980 V/m
568	09/01/2016 11:54:12 AM	0.6419 V/m	0.6204 V/m	0.5985 V/m
569	09/01/2016 11:54:22 AM	0.6346 V/m	0.6136 V/m	0.5929 V/m
570	09/01/2016 11:54:32 AM	0.6210 V/m	0.6116 V/m	0.5989 V/m
571	09/01/2016 11:54:42 AM	0.6508 V/m	0.6238 V/m	0.5948 V/m
572	09/01/2016 11:54:52 AM	0.6458 V/m	0.6274 V/m	0.6107 V/m
573	09/01/2016 11:55:02 AM	0.6854 V/m	0.6615 V/m	0.6398 V/m
574	09/01/2016 11:55:12 AM	0.6850 V/m	0.6543 V/m	0.6298 V/m
575	09/01/2016 11:55:22 AM	0.6534 V/m	0.6371 V/m	0.6228 V/m
576	09/01/2016 11:55:32 AM	0.6842 V/m	0.6530 V/m	0.6232 V/m
577	09/01/2016 11:55:42 AM	0.6555 V/m	0.6382 V/m	0.6175 V/m
578	09/01/2016 11:55:52 AM	0.7044 V/m	0.6551 V/m	0.6170 V/m
579	09/01/2016 11:56:02 AM	0.6830 V/m	0.6561 V/m	0.6376 V/m
580	09/01/2016 11:56:12 AM	0.6834 V/m	0.6515 V/m	0.6302 V/m
581	09/01/2016 11:56:22 AM	0.6725 V/m	0.6416 V/m	0.6130 V/m
582	09/01/2016 11:56:32 AM	0.6466 V/m	0.6235 V/m	0.6044 V/m
583	09/01/2016 11:56:42 AM	0.6521 V/m	0.6390 V/m	0.6219 V/m
584	09/01/2016 11:56:52 AM	0.6794 V/m	0.6579 V/m	0.6380 V/m
585	09/01/2016 11:57:02 AM	0.6810 V/m	0.6590 V/m	0.6445 V/m
586	09/01/2016 11:57:12 AM	0.6769 V/m	0.6583 V/m	0.6337 V/m
587	09/01/2016 11:57:22 AM	0.6826 V/m	0.6570 V/m	0.6302 V/m
588	09/01/2016 11:57:32 AM	0.7075 V/m	0.6678 V/m	0.6402 V/m
589	09/01/2016 11:57:42 AM	0.7005 V/m	0.6682 V/m	0.6389 V/m
590	09/01/2016 11:57:52 AM	0.6773 V/m	0.6529 V/m	0.6219 V/m
591	09/01/2016 11:58:02 AM	0.7013 V/m	0.6546 V/m	0.6143 V/m
592	09/01/2016 11:58:12 AM	0.6778 V/m	0.6444 V/m	0.6223 V/m
593	09/01/2016 11:58:22 AM	0.6700 V/m	0.6438 V/m	0.6241 V/m
594	09/01/2016 11:58:32 AM	0.6496 V/m	0.6375 V/m	0.6201 V/m
595	09/01/2016 11:58:42 AM	0.6978 V/m	0.6433 V/m	0.6098 V/m
596	09/01/2016 11:58:52 AM	0.6592 V/m	0.6330 V/m	0.6058 V/m
597	09/01/2016 11:59:02 AM	0.7316 V/m	0.6506 V/m	0.6148 V/m
598	09/01/2016 11:59:12 AM	0.6679 V/m	0.6368 V/m	0.6116 V/m
599	09/01/2016 11:59:22 AM	0.6721 V/m	0.6567 V/m	0.6337 V/m
600	09/01/2016 11:59:32 AM	0.6749 V/m	0.6531 V/m	0.6307 V/m
601	09/01/2016 11:59:42 AM	0.6708 V/m	0.6485 V/m	0.6219 V/m
602	09/01/2016 11:59:52 AM	0.6810 V/m	0.6328 V/m	0.6130 V/m
603	09/01/2016 12:00:02 PM	0.6729 V/m	0.6371 V/m	0.6134 V/m
604	09/01/2016 12:00:12 PM	0.6962 V/m	0.6370 V/m	0.5929 V/m
605	09/01/2016 12:00:22 PM	0.6749 V/m	0.6485 V/m	0.6307 V/m
606	09/01/2016 12:00:32 PM	0.6810 V/m	0.6515 V/m	0.6232 V/m
607	09/01/2016 12:00:42 PM	0.7029 V/m	0.6583 V/m	0.6289 V/m
608	09/01/2016 12:00:52 PM	0.6638 V/m	0.6406 V/m	0.6254 V/m
609	09/01/2016 12:01:02 PM	0.6601 V/m	0.6380 V/m	0.6139 V/m
610	09/01/2016 12:01:12 PM	0.6402 V/m	0.6241 V/m	0.6062 V/m
611	09/01/2016 12:01:22 PM	0.6914 V/m	0.6260 V/m	0.6035 V/m
612	09/01/2016 12:01:32 PM	0.6858 V/m	0.6376 V/m	0.6030 V/m
613	09/01/2016 12:01:42 PM	0.7214 V/m	0.6614 V/m	0.6380 V/m
614	09/01/2016 12:01:52 PM	0.6882 V/m	0.6469 V/m	0.6183 V/m
615	09/01/2016 12:02:02 PM	0.6874 V/m	0.6556 V/m	0.6263 V/m
616	09/01/2016 12:02:12 PM	0.7130 V/m	0.6529 V/m	0.6184 V/m
617	09/01/2016 12:02:22 PM	0.6609 V/m	0.6303 V/m	0.6103 V/m
618	09/01/2016 12:02:32 PM	0.7836 V/m	0.6674 V/m	0.6228 V/m
619	09/01/2016 12:02:42 PM	0.6721 V/m	0.6492 V/m	0.6272 V/m
620	09/01/2016 12:02:52 PM	0.7118 V/m	0.6530 V/m	0.6201 V/m
621	09/01/2016 12:03:02 PM	0.6671 V/m	0.6424 V/m	0.6241 V/m
622	09/01/2016 12:03:12 PM	0.6700 V/m	0.6509 V/m	0.6263 V/m
623	09/01/2016 12:03:22 PM	0.7103 V/m	0.6608 V/m	0.6254 V/m
624	09/01/2016 12:03:32 PM	0.7183 V/m	0.6745 V/m	0.6504 V/m

625	09/01/2016 12:03:42 PM	0.7222 V/m	0.6639 V/m	0.6272 V/m
626	09/01/2016 12:03:52 PM	0.6842 V/m	0.6549 V/m	0.6372 V/m
627	09/01/2016 12:04:02 PM	0.6997 V/m	0.6675 V/m	0.6483 V/m
628	09/01/2016 12:04:12 PM	0.6810 V/m	0.6554 V/m	0.6337 V/m
629	09/01/2016 12:04:22 PM	0.6981 V/m	0.6406 V/m	0.6152 V/m
630	09/01/2016 12:04:32 PM	0.7339 V/m	0.6701 V/m	0.6359 V/m
631	09/01/2016 12:04:42 PM	0.6926 V/m	0.6628 V/m	0.6381 V/m
632	09/01/2016 12:04:52 PM	0.6862 V/m	0.6686 V/m	0.6466 V/m
633	09/01/2016 12:05:02 PM	0.7237 V/m	0.6837 V/m	0.6613 V/m
634	09/01/2016 12:05:12 PM	0.7384 V/m	0.6784 V/m	0.6576 V/m
635	09/01/2016 12:05:22 PM	0.6970 V/m	0.6469 V/m	0.6026 V/m
636	09/01/2016 12:05:32 PM	0.6530 V/m	0.6125 V/m	0.5911 V/m
637	09/01/2016 12:05:42 PM	0.7126 V/m	0.6644 V/m	0.6406 V/m
638	09/01/2016 12:05:52 PM	0.7241 V/m	0.6615 V/m	0.6337 V/m
639	09/01/2016 12:06:02 PM	0.6954 V/m	0.6601 V/m	0.6372 V/m
640	09/01/2016 12:06:12 PM	0.6858 V/m	0.6481 V/m	0.6311 V/m
641	09/01/2016 12:06:22 PM	0.7263 V/m	0.6506 V/m	0.6281 V/m
642	09/01/2016 12:06:32 PM	0.7056 V/m	0.6645 V/m	0.6285 V/m
643	09/01/2016 12:06:42 PM	0.6786 V/m	0.6561 V/m	0.6393 V/m
644	09/01/2016 12:06:52 PM	0.6810 V/m	0.6441 V/m	0.6206 V/m
645	09/01/2016 12:07:02 PM	0.6830 V/m	0.6627 V/m	0.6406 V/m
646	09/01/2016 12:07:12 PM	0.6708 V/m	0.6560 V/m	0.6428 V/m
647	09/01/2016 12:07:22 PM	0.7079 V/m	0.6625 V/m	0.6453 V/m
648	09/01/2016 12:07:32 PM	0.6878 V/m	0.6707 V/m	0.6534 V/m
649	09/01/2016 12:07:42 PM	0.6725 V/m	0.6657 V/m	0.6563 V/m
650	09/01/2016 12:07:52 PM	0.6862 V/m	0.6710 V/m	0.6572 V/m
651	09/01/2016 12:08:02 PM	0.6882 V/m	0.6647 V/m	0.6500 V/m
652	09/01/2016 12:08:12 PM	0.6700 V/m	0.6562 V/m	0.6419 V/m
653	09/01/2016 12:08:22 PM	0.6858 V/m	0.6654 V/m	0.6462 V/m
654	09/01/2016 12:08:32 PM	0.6720 V/m	0.6575 V/m	0.6411 V/m
655	09/01/2016 12:08:42 PM	0.6605 V/m	0.6466 V/m	0.6298 V/m
656	09/01/2016 12:08:52 PM	0.7005 V/m	0.6551 V/m	0.6228 V/m
657	09/01/2016 12:09:02 PM	0.6588 V/m	0.6332 V/m	0.6143 V/m
658	09/01/2016 12:09:12 PM	0.6601 V/m	0.6378 V/m	0.6157 V/m
659	09/01/2016 12:09:22 PM	0.6874 V/m	0.6506 V/m	0.6223 V/m
660	09/01/2016 12:09:32 PM	0.6802 V/m	0.6507 V/m	0.6302 V/m
661	09/01/2016 12:09:42 PM	0.6538 V/m	0.6412 V/m	0.6259 V/m
662	09/01/2016 12:09:52 PM	0.6638 V/m	0.6493 V/m	0.6281 V/m
663	09/01/2016 12:10:02 PM	0.6773 V/m	0.6506 V/m	0.6263 V/m
664	09/01/2016 12:10:12 PM	0.6567 V/m	0.6435 V/m	0.6183 V/m
665	09/01/2016 12:10:22 PM	0.6655 V/m	0.6425 V/m	0.6281 V/m
666	09/01/2016 12:10:32 PM	0.6592 V/m	0.6393 V/m	0.6170 V/m
667	09/01/2016 12:10:42 PM	0.6894 V/m	0.6435 V/m	0.6148 V/m
668	09/01/2016 12:10:52 PM	0.6675 V/m	0.6463 V/m	0.6223 V/m
669	09/01/2016 12:11:02 PM	0.6441 V/m	0.6286 V/m	0.6107 V/m
670	09/01/2016 12:11:12 PM	0.6389 V/m	0.6209 V/m	0.5989 V/m
671	09/01/2016 12:11:22 PM	0.6324 V/m	0.6198 V/m	0.6035 V/m
672	09/01/2016 12:11:32 PM	0.6440 V/m	0.6169 V/m	0.5906 V/m
673	09/01/2016 12:11:42 PM	0.6492 V/m	0.6050 V/m	0.5779 V/m
674	09/01/2016 12:11:52 PM	0.6285 V/m	0.6089 V/m	0.5807 V/m
675	09/01/2016 12:12:02 PM	0.6704 V/m	0.6275 V/m	0.6080 V/m
676	09/01/2016 12:12:12 PM	0.6415 V/m	0.6223 V/m	0.6071 V/m
677	09/01/2016 12:12:22 PM	0.6592 V/m	0.6275 V/m	0.6107 V/m
678	09/01/2016 12:12:32 PM	0.6572 V/m	0.6344 V/m	0.6166 V/m
679	09/01/2016 12:12:42 PM	0.6737 V/m	0.6508 V/m	0.6359 V/m
680	09/01/2016 12:12:52 PM	0.6597 V/m	0.6231 V/m	0.5869 V/m
681	09/01/2016 12:13:02 PM	0.6609 V/m	0.6273 V/m	0.5911 V/m
682	09/01/2016 12:13:12 PM	0.6651 V/m	0.6464 V/m	0.6302 V/m
683	09/01/2016 12:13:22 PM	0.6534 V/m	0.6345 V/m	0.6179 V/m
684	09/01/2016 12:13:32 PM	0.6675 V/m	0.6420 V/m	0.6201 V/m
685	09/01/2016 12:13:42 PM	0.6605 V/m	0.6273 V/m	0.6035 V/m
686	09/01/2016 12:13:52 PM	0.6428 V/m	0.6221 V/m	0.6026 V/m
687	09/01/2016 12:14:02 PM	0.6757 V/m	0.6250 V/m	0.5869 V/m

688	09/01/2016 12:14:12 PM	0.6638 V/m	0.6421 V/m	0.6250 V/m
689	09/01/2016 12:14:22 PM	0.6854 V/m	0.6574 V/m	0.6298 V/m
690	09/01/2016 12:14:32 PM	0.6854 V/m	0.6548 V/m	0.6197 V/m
691	09/01/2016 12:14:42 PM	0.7495 V/m	0.6999 V/m	0.6605 V/m
692	09/01/2016 12:14:52 PM	0.7542 V/m	0.7048 V/m	0.6667 V/m
693	09/01/2016 12:15:02 PM	0.7769 V/m	0.7249 V/m	0.6667 V/m
694	09/01/2016 12:15:12 PM	0.7740 V/m	0.7395 V/m	0.7021 V/m
695	09/01/2016 12:15:22 PM	0.8619 V/m	0.7173 V/m	0.6380 V/m
696	09/01/2016 12:15:32 PM	0.8924 V/m	0.8463 V/m	0.8122 V/m
697	09/01/2016 12:15:42 PM	0.9119 V/m	0.7680 V/m	0.6946 V/m
698	09/01/2016 12:15:52 PM	0.7531 V/m	0.7095 V/m	0.6675 V/m
699	09/01/2016 12:16:02 PM	0.7822 V/m	0.7261 V/m	0.6753 V/m
700	09/01/2016 12:16:12 PM	0.7484 V/m	0.7124 V/m	0.6725 V/m
701	09/01/2016 12:16:22 PM	0.7195 V/m	0.6692 V/m	0.6462 V/m
702	09/01/2016 12:16:32 PM	0.7608 V/m	0.7330 V/m	0.6651 V/m
703	09/01/2016 12:16:42 PM	0.7568 V/m	0.7261 V/m	0.6462 V/m
704	09/01/2016 12:16:52 PM	0.7298 V/m	0.6740 V/m	0.6311 V/m
705	09/01/2016 12:17:02 PM	0.7126 V/m	0.6781 V/m	0.6350 V/m
706	09/01/2016 12:17:12 PM	0.7168 V/m	0.6615 V/m	0.6241 V/m
707	09/01/2016 12:17:22 PM	0.6350 V/m	0.6237 V/m	0.6080 V/m
708	09/01/2016 12:17:32 PM	0.6380 V/m	0.6268 V/m	0.6116 V/m
709	09/01/2016 12:17:42 PM	0.6475 V/m	0.6302 V/m	0.6148 V/m
710	09/01/2016 12:17:52 PM	0.6679 V/m	0.6447 V/m	0.6259 V/m
711	09/01/2016 12:18:02 PM	0.6966 V/m	0.6650 V/m	0.6368 V/m
712	09/01/2016 12:18:12 PM	0.6716 V/m	0.6548 V/m	0.6289 V/m
713	09/01/2016 12:18:22 PM	0.6572 V/m	0.6420 V/m	0.6263 V/m
714	09/01/2016 12:18:32 PM	0.6704 V/m	0.6457 V/m	0.6184 V/m
715	09/01/2016 12:18:42 PM	0.6858 V/m	0.6558 V/m	0.6250 V/m
716	09/01/2016 12:18:52 PM	0.7410 V/m	0.6875 V/m	0.6475 V/m
717	09/01/2016 12:19:02 PM	0.7432 V/m	0.7208 V/m	0.6854 V/m
718	09/01/2016 12:19:12 PM	0.7651 V/m	0.7359 V/m	0.7145 V/m
719	09/01/2016 12:19:22 PM	0.7447 V/m	0.7201 V/m	0.6790 V/m
720	09/01/2016 12:19:32 PM	0.7428 V/m	0.7303 V/m	0.6974 V/m

Graph


Marker: 11:19:12 AM
Limit: 7.000 V/m
Max: 0.7413 V/m
Avg: 0.6666 V/m
Min: 0.65 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:19:32 AM
600s / Division
Period: 02:00:00
12:19:32 PM
09/01/2016

Parameters

Number of Sub Indices	720
Storing Date	09/01/2016
Storing Time	10:19:32 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	NO
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	-

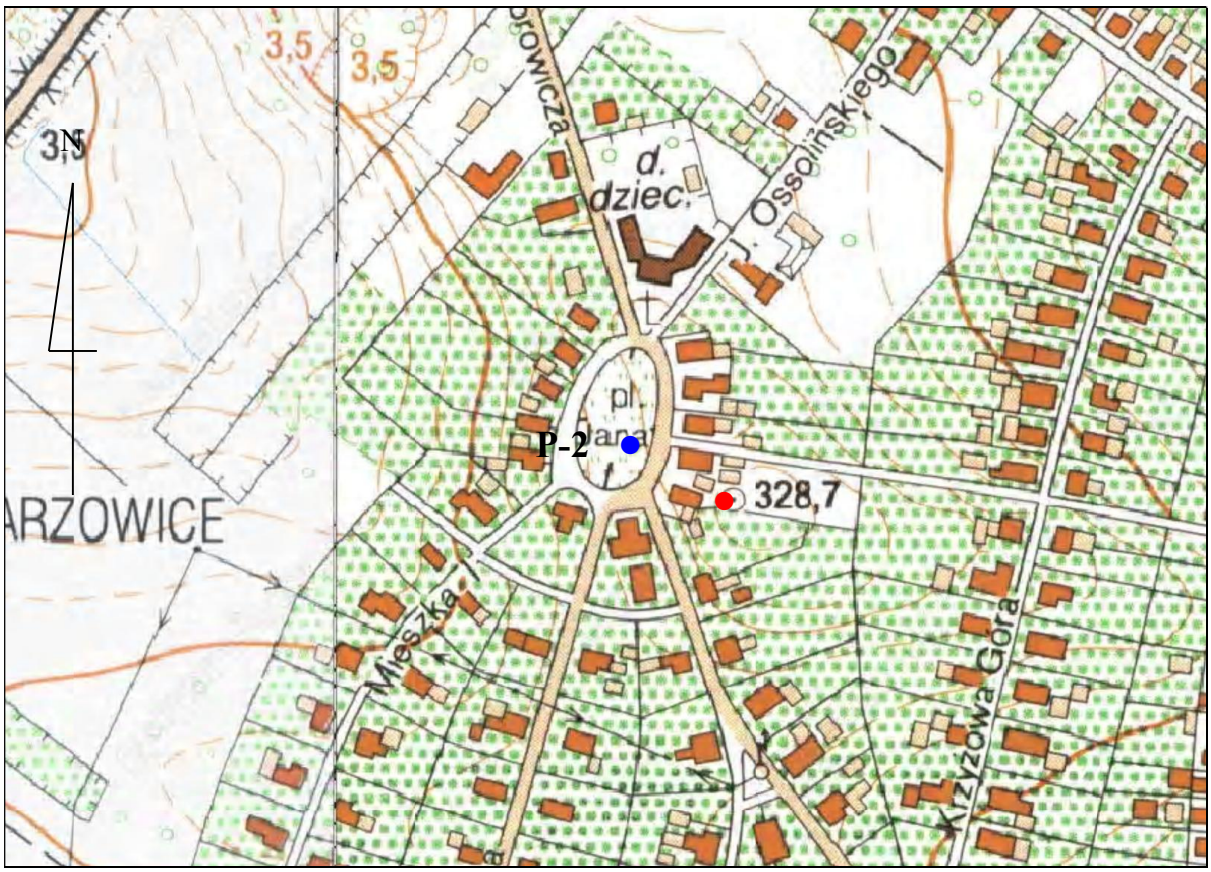
FOTOGRAFIE REJONU BADAŃ:

Fot. 1. Rejon badań, widok w kierunku południowym

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

Fot. 3. Fragment instalacji radiokomunikacyjnych na wieży wodnej

Fot. 4. Przyrząd pomiarowy w trakcie prowadzonego badania



BYTOM

Oznaczenia:

- P-2 – punkt pomiarowy poziomów pól elektromagnetycznych w środowisku;
- – lokalizacja instalacji radiokomunikacyjnych.

Ryc. Szkic sytuacyjny rejonu badań.

Analiza widma promieniowania elektromagnetycznego w środowisku

Wyniki pomiarów i analiz widma pól elektromagnetycznych w zakresie częstotliwości od 27 MHz do 3 GHz, *składowej elektrycznej* E, V/m, w punkcie pomiarowym P-2 Bytom Stolarzowice:

1. **E, V/m,** wartość maksymalna określona w paśmie częstotliwości **27 MHz - 3 GHz**

   E = 156,9 mV/m, **(*N*)**[*)]

   na poziomie częstotliwości f: 938,214 MHz
   (**Ryc. 1**: *Marker A*);

2. **E, V/m,** scałkowana wartość szerokopasmowa (wraz z szumami), w paśmie częstotliwości **27 MHz - 3 GHz**

   E = 528,0 mV/m; (*N*)[*)]

3. **E, V/m,** wartość maksymalna określona w paśmie częstotliwości **27 MHz - 108 MHz**,

   E = 7,903 mV/m; (*N*)[*)]

4. **E, V/m,** scałkowana wartość szerokopasmowa (wraz z szumami), w paśmie częstotliwości **27 MHz - 108 MHz**,

   E = 53,08 mV/m; (*N*)[*)]

5. **E, V/m,** wartość maksymalna określona w paśmie częstotliwości **108 MHz - 450 MHz**,

   E = 4,621 mV/m; (*N*)[*)]

6. **E, V/m,** scałkowana wartość szerokopasmowa (wraz z szumami), w paśmie częstotliwości **108 MHz - 450 MHz**,

   E = 43,43 mV/m; (*N*)[*)]

7. **E, V/m,** wartość maksymalna określona w paśmie częstotliwości **450 MHz - 850 MHz**,

   E = 17,4 mV/m; (*N*)[*)]

8. **E, V/m,** scałkowana wartość szerokopasmowa (wraz z szumami), w paśmie częstotliwości **450 MHz - 850 MHz**,

   E = 56,31 mV/m; (*N*)[*)]

9. **E, V/m,** wartość maksymalna określona w paśmie częstotliwości **850 MHz - 3 GHz**,

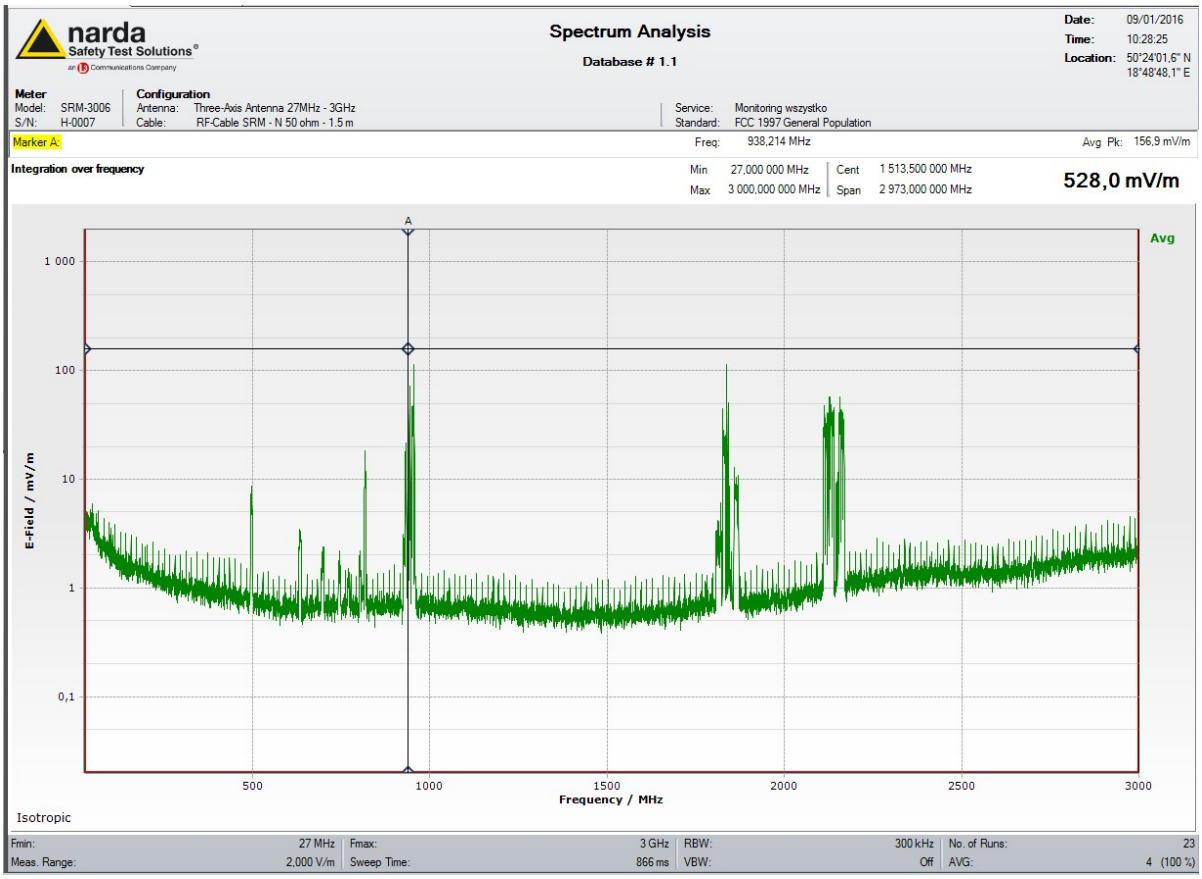
   E = 154,4 mV/m; (*N*)[*)]

10. **E, V/m,** scałkowana wartość szerokopasmowa (wraz z szumami), w paśmie częstotliwości **850 MHz – 3 GHz**,

    E = 477,1 mV/m; (*N*)[*)]

Objaśnienia:

[*)] Oznaczenie symboliczne, *N* - status wyniku badania: wynik badania spoza zakresu akredytacji.



Ryc. 1. SRM - 3006, Narda STS GmbH, Germany, Analiza widma promieniowania elektromagnetycznego w środowisku, punkt pomiarowy **P-2 Bytom Stolarzowice**.

INTERPRETACJE I WNIOSKI

W rejonie przedmiotowych pomiarów w badanym zakresie częstotliwości od 27 MHz do 3 GHz dominujacymi źródłami PEM wysokiej częstotliwości, są satcje bazowe telefonii komorkowych, pracujące w pasmach: 900, 1800, 2100 MHz. Maksymalne poziomy w pasmie telefonii ruchomej osiągają 1% wartości dopuszczalnej (7 V/m) dla tego zakresu częstoliwości. Poza telefonią mobilną zarejestrowano sygnały cyfrowej telewizji naziemnej DVB-T oraz LTE 800 MHz.