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

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AB 480

SPRAWOZDANIE Z BADAŃ NR 257/2017

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 30 czerwca 2016 r.
na terenie zabudowy mieszkaniowej
w
BLACHOWNI,
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 centralnej części miasta Blachownia, 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-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Blachownia w centralnej jego części, przy ulicy Sienkiewicza. Sondę pomiarową umieszczono na wysokości h: 2 m n.p.t. W sąsiedztwie punktu pomiarowego zagospodarowanie terenu stanowi zabudowa mieszkaniowa wielorodzinna, obiekty handlowe, zabudowania szkolne oraz kościół parafialny. Najbliższa zabudowa mieszkaniowa – kilkukondygnacyjny budynek wielorodzinny, znajduje się w kierunku wschodnim 39 m od punktu pomiarowego, dalej w kierunku tym znajduje się zabudowa osiedla mieszkalnego. W kierunku zachodnim, za ul. Sienkiewicza, w odległości ponad 100 m, znajduje się wielorodzinna zabudowa mieszkaniowa. Budynki szkolne znajdują się w kierunku południowo – wschodnim względem P-1 w odległości około 74 m.

W promieniu d $\leq$ 300 m od punktu pomiarowego znajdują się instalacje radiokomunikacyjne, emitujące pola elektromagnetyczne do środowiska – stacje bazowe telefonii komórkowych.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

Pozostałe miasta (poniżej 50 tys. mieszkańców)

Nomenklatura jednostki terytorialnej (NTS):

Blachownia 5.2.24.46.04.01.4

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

N 50^0 46' 52,5"
E 18^0 57' 45,0";

Wysokość lokalizacji punktu pomiarowego:

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

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

l = 39 [m] - od elewacji budynku mieszkalnego wielorodzinnego
Lokalizacja punktu pomiarowego – trawnik za chodnikiem przy ul. Sienkiewicza.

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 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**	
Przyrząd pomiarowy	Typ: Broadband Field Meter NBM-550 P/N: 2401/01 S/N: B-0507 Producent: Narda Safety Test Solutions GmbH,	Przyrząd pomiarowy	Typ: KESTREL 5500 s. no.: 2131640 Producent: Nielsen - Kellerman Co., USA

<table>
<tr><td>Sonda pomiarowa</td><td>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 colspan="2"></td></tr>
<tr><td rowspan="3">Data i czasokres pomiarów</td><td rowspan="3">30-06-2016 r.
10:42:45–12:42:45</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td>T [°C]</td><td>24,2 – 26,1</td></tr>
<tr><td>RH [%]</td><td>51,5 – 57,4</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 elektromagnetycznych oraz sonda pomiarowa pól elektromagnetycznych 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);

- 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,
  - 761/165/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 kierunku południowo wschodnim, w odległości 189 od P-1, na dachu Domu Pomocy Społecznej przy ul. Sienkiewicza 6, zlokalizowane są instalacje radiokomunikacyjne – stacje bazowe telefonii komórkowych. W tabeli 2 przedstawiono, na podstawie informacji udzielone przez operatorów instalacji, podstawowe dane techniczne wyżej wymienionych.

Tabela 2

Zarządzający instalacją:
ORANGE Polska S.A.
Aleje Jerozolimskie 160,
02-603 Warszawa,

Nazwa instalacji wg nomenklatury użytkownika:
Stacja bazowa nr: **36240 KCZ_BLACHOWNIA_SIENKIEWICZA**

Lokalizacja:
Dach budynku przy ul. Sienkiewicza 6 w Blachowni

Lp.	Azymut [^{0}]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP $_{max}$ [W]
1.	100	Antena sektorowa PowerWave 775200	900 (GSM) 1800 (GSM) 900 (UMTS) 1800 (LTE)	30,0	8366
2.	100	Antena sektorowa PowerWave 776000	2100 (UMTS)	30,0	3374
3.	220	Antena sektorowa PowerWave 775200	900 (GSM) 1800 (GSM) 900 (UMTS) 1800 (LTE)	30,0	8470
4.	220	Antena sektorowa PowerWave 776000	2100 (UMTS)	30,0	6732
5.	325	Antena sektorowa PowerWave 775200	900 (GSM) 1800 (GSM) 900 (UMTS) 1800 (LTE)	30,0	7396
6.	325	Antena sektorowa	2100 (UMTS)	30,0	6732

		PowerWave 776000			
EIRP $_{max}$, łącznie ze wszystkich anten sektorowych instalacji: **41 070** [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 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. Sienkiewicza Miejscowość – Blachownia	1,04	± 0,26

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.*

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-1, ul. Sienkiewicza Miejscowość (gmina) Blachownia, powiat częstochowski, województwo śląskie	N 50^0 46' 52,5" E 18^0 57' 45,0"

Comment
Pomiary monitoringowe poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej elektrycznej E) w środowisku ,wykonane dnia 30 czerwca 2016 r. na terenie zabudowy mieszkaniowej w BLACHOWNI, 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

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	06/30/2016 10:42:55 AM		1.255 V/m	1.123 V/m	1.059 V/m
2	06/30/2016 10:43:05 AM		1.114 V/m	1.074 V/m	1.028 V/m
3	06/30/2016 10:43:15 AM		1.105 V/m	1.048 V/m	0.9890 V/m
4	06/30/2016 10:43:25 AM		1.166 V/m	1.050 V/m	1.018 V/m
5	06/30/2016 10:43:35 AM		1.112 V/m	1.054 V/m	1.026 V/m
6	06/30/2016 10:43:45 AM		1.122 V/m	1.043 V/m	0.9942 V/m
7	06/30/2016 10:43:55 AM		1.094 V/m	1.039 V/m	1.021 V/m
8	06/30/2016 10:44:05 AM		1.156 V/m	1.080 V/m	1.024 V/m
9	06/30/2016 10:44:15 AM		1.067 V/m	1.040 V/m	1.024 V/m
10	06/30/2016 10:44:25 AM		1.085 V/m	1.036 V/m	1.013 V/m
11	06/30/2016 10:44:35 AM		1.106 V/m	1.051 V/m	1.022 V/m
12	06/30/2016 10:44:45 AM		1.114 V/m	1.049 V/m	1.024 V/m
13	06/30/2016 10:44:55 AM		1.066 V/m	1.028 V/m	1.009 V/m
14	06/30/2016 10:45:05 AM		1.109 V/m	1.033 V/m	1.001 V/m
15	06/30/2016 10:45:15 AM		1.144 V/m	1.046 V/m	1.003 V/m
16	06/30/2016 10:45:25 AM		1.080 V/m	1.035 V/m	0.9989 V/m
17	06/30/2016 10:45:35 AM		1.111 V/m	1.063 V/m	1.038 V/m
18	06/30/2016 10:45:45 AM		1.107 V/m	1.028 V/m	0.9900 V/m
19	06/30/2016 10:45:55 AM		1.067 V/m	1.036 V/m	1.002 V/m
20	06/30/2016 10:46:05 AM		1.169 V/m	1.053 V/m	1.006 V/m
21	06/30/2016 10:46:15 AM		1.083 V/m	1.035 V/m	0.9709 V/m
22	06/30/2016 10:46:25 AM		1.053 V/m	1.030 V/m	1.006 V/m
23	06/30/2016 10:46:35 AM		1.108 V/m	1.031 V/m	0.9987 V/m
24	06/30/2016 10:46:45 AM		1.055 V/m	1.020 V/m	1.004 V/m
25	06/30/2016 10:46:55 AM		1.069 V/m	1.039 V/m	1.015 V/m
26	06/30/2016 10:47:05 AM		1.077 V/m	1.045 V/m	1.023 V/m
27	06/30/2016 10:47:15 AM		1.161 V/m	1.083 V/m	1.034 V/m
28	06/30/2016 10:47:25 AM		1.122 V/m	1.060 V/m	1.025 V/m
29	06/30/2016 10:47:35 AM		1.090 V/m	1.058 V/m	1.029 V/m
30	06/30/2016 10:47:45 AM		1.113 V/m	1.054 V/m	1.003 V/m
31	06/30/2016 10:47:55 AM		1.092 V/m	1.035 V/m	0.9861 V/m
32	06/30/2016 10:48:05 AM		1.094 V/m	1.031 V/m	1.001 V/m
33	06/30/2016 10:48:15 AM		1.115 V/m	1.032 V/m	0.9964 V/m
34	06/30/2016 10:48:25 AM		1.061 V/m	1.037 V/m	1.013 V/m
35	06/30/2016 10:48:35 AM		1.052 V/m	1.022 V/m	0.9878 V/m
36	06/30/2016 10:48:45 AM		1.058 V/m	1.003 V/m	0.9783 V/m
37	06/30/2016 10:48:55 AM		1.040 V/m	1.017 V/m	0.9822 V/m
38	06/30/2016 10:49:05 AM		1.120 V/m	1.073 V/m	1.040 V/m
39	06/30/2016 10:49:15 AM		1.079 V/m	1.032 V/m	1.007 V/m
40	06/30/2016 10:49:25 AM		1.076 V/m	1.029 V/m	1.005 V/m
41	06/30/2016 10:49:35 AM		1.151 V/m	1.048 V/m	1.000 V/m
42	06/30/2016 10:49:45 AM		1.121 V/m	1.069 V/m	1.034 V/m
43	06/30/2016 10:49:55 AM		1.126 V/m	1.061 V/m	1.029 V/m
44	06/30/2016 10:50:05 AM		1.116 V/m	1.047 V/m	1.016 V/m
45	06/30/2016 10:50:15 AM		1.108 V/m	1.055 V/m	1.031 V/m
46	06/30/2016 10:50:25 AM		1.105 V/m	1.058 V/m	1.032 V/m
47	06/30/2016 10:50:35 AM		1.208 V/m	1.070 V/m	1.035 V/m
48	06/30/2016 10:50:45 AM		1.122 V/m	1.061 V/m	1.023 V/m
49	06/30/2016 10:50:55 AM		1.110 V/m	1.065 V/m	1.035 V/m
50	06/30/2016 10:51:05 AM		1.105 V/m	1.059 V/m	1.022 V/m
51	06/30/2016 10:51:15 AM		1.105 V/m	1.050 V/m	1.034 V/m
52	06/30/2016 10:51:25 AM		1.126 V/m	1.071 V/m	1.032 V/m
53	06/30/2016 10:51:35 AM		1.145 V/m	1.099 V/m	1.025 V/m
54	06/30/2016 10:51:45 AM		1.148 V/m	1.081 V/m	1.032 V/m
55	06/30/2016 10:51:55 AM		1.138 V/m	1.066 V/m	1.021 V/m
56	06/30/2016 10:52:05 AM		1.070 V/m	1.021 V/m	0.9544 V/m
57	06/30/2016 10:52:15 AM		1.077 V/m	0.9978 V/m	0.9497 V/m
58	06/30/2016 10:52:25 AM		1.052 V/m	0.9948 V/m	0.9598 V/m

59	06/30/2016 10:52:35 AM	1.060 V/m	1.016 V/m	0.9712 V/m
60	06/30/2016 10:52:45 AM	1.084 V/m	0.9911 V/m	0.9453 V/m
61	06/30/2016 10:52:55 AM	1.048 V/m	0.9837 V/m	0.9342 V/m
62	06/30/2016 10:53:05 AM	1.039 V/m	0.9605 V/m	0.9377 V/m
63	06/30/2016 10:53:15 AM	1.073 V/m	1.030 V/m	0.9497 V/m
64	06/30/2016 10:53:25 AM	1.129 V/m	1.026 V/m	0.9362 V/m
65	06/30/2016 10:53:35 AM	1.036 V/m	0.9679 V/m	0.9259 V/m
66	06/30/2016 10:53:45 AM	1.079 V/m	0.9643 V/m	0.9181 V/m
67	06/30/2016 10:53:55 AM	1.109 V/m	1.033 V/m	0.9347 V/m
68	06/30/2016 10:54:05 AM	1.077 V/m	0.9761 V/m	0.9468 V/m
69	06/30/2016 10:54:15 AM	1.118 V/m	1.014 V/m	0.9494 V/m
70	06/30/2016 10:54:25 AM	1.092 V/m	1.020 V/m	0.9679 V/m
71	06/30/2016 10:54:35 AM	1.054 V/m	0.9924 V/m	0.9621 V/m
72	06/30/2016 10:54:45 AM	1.052 V/m	0.9756 V/m	0.9356 V/m
73	06/30/2016 10:54:55 AM	1.026 V/m	0.9703 V/m	0.9339 V/m
74	06/30/2016 10:55:05 AM	1.043 V/m	0.9673 V/m	0.9321 V/m
75	06/30/2016 10:55:15 AM	1.037 V/m	0.9793 V/m	0.9259 V/m
76	06/30/2016 10:55:25 AM	1.270 V/m	1.061 V/m	0.9544 V/m
77	06/30/2016 10:55:35 AM	1.100 V/m	1.007 V/m	0.9578 V/m
78	06/30/2016 10:55:45 AM	1.087 V/m	1.003 V/m	0.9712 V/m
79	06/30/2016 10:55:55 AM	0.9937 V/m	0.9720 V/m	0.9523 V/m
80	06/30/2016 10:56:05 AM	1.029 V/m	0.9709 V/m	0.9421 V/m
81	06/30/2016 10:56:15 AM	1.072 V/m	0.9836 V/m	0.9383 V/m
82	06/30/2016 10:56:25 AM	1.194 V/m	1.045 V/m	0.9172 V/m
83	06/30/2016 10:56:35 AM	1.143 V/m	1.046 V/m	0.9724 V/m
84	06/30/2016 10:56:45 AM	1.068 V/m	1.014 V/m	0.9726 V/m
85	06/30/2016 10:56:55 AM	1.041 V/m	1.017 V/m	0.9904 V/m
86	06/30/2016 10:57:05 AM	1.101 V/m	1.034 V/m	1.001 V/m
87	06/30/2016 10:57:15 AM	1.088 V/m	1.029 V/m	0.9806 V/m
88	06/30/2016 10:57:25 AM	1.082 V/m	1.016 V/m	0.9758 V/m
89	06/30/2016 10:57:35 AM	1.063 V/m	1.011 V/m	0.9792 V/m
90	06/30/2016 10:57:45 AM	1.071 V/m	1.021 V/m	0.9834 V/m
91	06/30/2016 10:57:55 AM	1.099 V/m	1.015 V/m	0.9814 V/m
92	06/30/2016 10:58:05 AM	1.058 V/m	0.9898 V/m	0.9698 V/m
93	06/30/2016 10:58:15 AM	1.105 V/m	1.003 V/m	0.9678 V/m
94	06/30/2016 10:58:25 AM	1.063 V/m	0.9992 V/m	0.9727 V/m
95	06/30/2016 10:58:35 AM	1.055 V/m	0.9707 V/m	0.9459 V/m
96	06/30/2016 10:58:45 AM	1.084 V/m	1.0000 V/m	0.9724 V/m
97	06/30/2016 10:58:55 AM	1.059 V/m	0.9994 V/m	0.9699 V/m
98	06/30/2016 10:59:05 AM	1.089 V/m	1.067 V/m	1.049 V/m
99	06/30/2016 10:59:15 AM	1.100 V/m	1.070 V/m	1.019 V/m
100	06/30/2016 10:59:25 AM	1.100 V/m	1.027 V/m	0.9538 V/m
101	06/30/2016 10:59:35 AM	1.014 V/m	0.9828 V/m	0.9564 V/m
102	06/30/2016 10:59:45 AM	1.008 V/m	0.9875 V/m	0.9621 V/m
103	06/30/2016 10:59:55 AM	1.051 V/m	1.005 V/m	0.9715 V/m
104	06/30/2016 11:00:05 AM	1.050 V/m	1.001 V/m	0.9544 V/m
105	06/30/2016 11:00:15 AM	1.008 V/m	0.9801 V/m	0.9427 V/m
106	06/30/2016 11:00:25 AM	1.014 V/m	0.9913 V/m	0.9684 V/m
107	06/30/2016 11:00:35 AM	1.071 V/m	1.018 V/m	0.9727 V/m
108	06/30/2016 11:00:45 AM	1.086 V/m	1.057 V/m	1.037 V/m
109	06/30/2016 11:00:55 AM	1.145 V/m	1.083 V/m	1.066 V/m
110	06/30/2016 11:01:05 AM	1.266 V/m	1.159 V/m	1.077 V/m
111	06/30/2016 11:01:15 AM	1.218 V/m	1.100 V/m	1.066 V/m
112	06/30/2016 11:01:25 AM	1.234 V/m	1.109 V/m	1.069 V/m
113	06/30/2016 11:01:35 AM	1.264 V/m	1.245 V/m	1.227 V/m
114	06/30/2016 11:01:45 AM	1.276 V/m	1.183 V/m	1.066 V/m
115	06/30/2016 11:01:55 AM	1.091 V/m	1.071 V/m	1.050 V/m
116	06/30/2016 11:02:05 AM	1.134 V/m	1.070 V/m	1.055 V/m
117	06/30/2016 11:02:15 AM	1.094 V/m	1.075 V/m	1.066 V/m
118	06/30/2016 11:02:25 AM	1.145 V/m	1.054 V/m	0.9881 V/m
119	06/30/2016 11:02:35 AM	1.076 V/m	1.016 V/m	0.9879 V/m
120	06/30/2016 11:02:45 AM	1.078 V/m	1.044 V/m	0.9621 V/m
121	06/30/2016 11:02:55 AM	1.080 V/m	1.064 V/m	1.047 V/m

122	06/30/2016 11:03:05 AM	1.257 V/m	1.150 V/m	1.063 V/m
123	06/30/2016 11:03:15 AM	1.093 V/m	1.048 V/m	0.9763 V/m
124	06/30/2016 11:03:25 AM	1.067 V/m	1.032 V/m	0.9712 V/m
125	06/30/2016 11:03:35 AM	1.118 V/m	1.069 V/m	1.041 V/m
126	06/30/2016 11:03:45 AM	1.068 V/m	1.024 V/m	0.9661 V/m
127	06/30/2016 11:03:55 AM	1.093 V/m	1.053 V/m	0.9783 V/m
128	06/30/2016 11:04:05 AM	1.133 V/m	1.058 V/m	1.023 V/m
129	06/30/2016 11:04:15 AM	1.153 V/m	1.080 V/m	1.032 V/m
130	06/30/2016 11:04:25 AM	1.090 V/m	1.061 V/m	1.033 V/m
131	06/30/2016 11:04:35 AM	1.173 V/m	1.064 V/m	0.9815 V/m
132	06/30/2016 11:04:45 AM	1.054 V/m	0.9954 V/m	0.9418 V/m
133	06/30/2016 11:04:55 AM	1.059 V/m	0.9850 V/m	0.9360 V/m
134	06/30/2016 11:05:05 AM	1.056 V/m	0.9858 V/m	0.9380 V/m
135	06/30/2016 11:05:15 AM	1.055 V/m	1.004 V/m	0.9664 V/m
136	06/30/2016 11:05:25 AM	1.232 V/m	1.037 V/m	0.9503 V/m
137	06/30/2016 11:05:35 AM	1.224 V/m	1.101 V/m	0.9840 V/m
138	06/30/2016 11:05:45 AM	1.094 V/m	1.010 V/m	0.9664 V/m
139	06/30/2016 11:05:55 AM	1.087 V/m	0.9926 V/m	0.9604 V/m
140	06/30/2016 11:06:05 AM	1.117 V/m	0.9988 V/m	0.9544 V/m
141	06/30/2016 11:06:15 AM	1.052 V/m	0.9983 V/m	0.9572 V/m
142	06/30/2016 11:06:25 AM	1.256 V/m	1.053 V/m	0.9696 V/m
143	06/30/2016 11:06:35 AM	1.063 V/m	0.9838 V/m	0.9521 V/m
144	06/30/2016 11:06:45 AM	1.036 V/m	0.9794 V/m	0.9491 V/m
145	06/30/2016 11:06:55 AM	1.034 V/m	0.9648 V/m	0.9285 V/m
146	06/30/2016 11:07:05 AM	1.055 V/m	0.9872 V/m	0.9318 V/m
147	06/30/2016 11:07:15 AM	1.028 V/m	0.9706 V/m	0.9407 V/m
148	06/30/2016 11:07:25 AM	1.056 V/m	0.9804 V/m	0.9421 V/m
149	06/30/2016 11:07:35 AM	1.062 V/m	0.9821 V/m	0.9336 V/m
150	06/30/2016 11:07:45 AM	1.146 V/m	0.9970 V/m	0.9721 V/m
151	06/30/2016 11:07:55 AM	1.116 V/m	0.9839 V/m	0.9566 V/m
152	06/30/2016 11:08:05 AM	1.156 V/m	1.030 V/m	0.9581 V/m
153	06/30/2016 11:08:15 AM	1.316 V/m	1.042 V/m	0.9712 V/m
154	06/30/2016 11:08:25 AM	1.252 V/m	1.047 V/m	0.9712 V/m
155	06/30/2016 11:08:35 AM	1.093 V/m	1.020 V/m	0.9535 V/m
156	06/30/2016 11:08:45 AM	1.046 V/m	0.9740 V/m	0.9439 V/m
157	06/30/2016 11:08:55 AM	1.088 V/m	1.002 V/m	0.9456 V/m
158	06/30/2016 11:09:05 AM	1.107 V/m	1.024 V/m	0.9730 V/m
159	06/30/2016 11:09:15 AM	1.084 V/m	1.020 V/m	0.9806 V/m
160	06/30/2016 11:09:25 AM	1.084 V/m	1.017 V/m	0.9626 V/m
161	06/30/2016 11:09:35 AM	1.082 V/m	0.9964 V/m	0.9482 V/m
162	06/30/2016 11:09:45 AM	1.106 V/m	1.017 V/m	0.9828 V/m
163	06/30/2016 11:09:55 AM	1.089 V/m	1.014 V/m	0.9766 V/m
164	06/30/2016 11:10:05 AM	1.174 V/m	1.071 V/m	1.009 V/m
165	06/30/2016 11:10:15 AM	1.082 V/m	1.020 V/m	0.9967 V/m
166	06/30/2016 11:10:25 AM	1.120 V/m	1.038 V/m	1.000 V/m
167	06/30/2016 11:10:35 AM	1.165 V/m	1.043 V/m	0.9973 V/m
168	06/30/2016 11:10:45 AM	1.053 V/m	1.018 V/m	1.004 V/m
169	06/30/2016 11:10:55 AM	1.102 V/m	1.031 V/m	0.9923 V/m
170	06/30/2016 11:11:05 AM	1.106 V/m	1.031 V/m	0.9965 V/m
171	06/30/2016 11:11:15 AM	1.095 V/m	1.031 V/m	0.9945 V/m
172	06/30/2016 11:11:25 AM	1.291 V/m	1.079 V/m	0.9876 V/m
173	06/30/2016 11:11:35 AM	1.088 V/m	1.020 V/m	0.9934 V/m
174	06/30/2016 11:11:45 AM	1.080 V/m	1.026 V/m	0.9946 V/m
175	06/30/2016 11:11:55 AM	1.088 V/m	1.016 V/m	0.9909 V/m
176	06/30/2016 11:12:05 AM	1.082 V/m	1.009 V/m	0.9747 V/m
177	06/30/2016 11:12:15 AM	1.078 V/m	1.004 V/m	0.9758 V/m
178	06/30/2016 11:12:25 AM	1.048 V/m	0.9894 V/m	0.9584 V/m
179	06/30/2016 11:12:35 AM	1.068 V/m	1.007 V/m	0.9786 V/m
180	06/30/2016 11:12:45 AM	1.071 V/m	1.011 V/m	0.9870 V/m
181	06/30/2016 11:12:55 AM	1.102 V/m	1.033 V/m	0.9884 V/m
182	06/30/2016 11:13:05 AM	1.155 V/m	1.072 V/m	1.023 V/m
183	06/30/2016 11:13:15 AM	1.062 V/m	1.025 V/m	0.9998 V/m
184	06/30/2016 11:13:25 AM	1.093 V/m	1.033 V/m	1.002 V/m

185	06/30/2016 11:13:35 AM	1.117 V/m	1.053 V/m	1.006 V/m
186	06/30/2016 11:13:45 AM	1.089 V/m	1.030 V/m	0.9870 V/m
187	06/30/2016 11:13:55 AM	1.087 V/m	1.028 V/m	0.9942 V/m
188	06/30/2016 11:14:05 AM	1.061 V/m	1.023 V/m	0.9915 V/m
189	06/30/2016 11:14:15 AM	1.064 V/m	1.012 V/m	0.9794 V/m
190	06/30/2016 11:14:25 AM	1.096 V/m	1.011 V/m	0.9724 V/m
191	06/30/2016 11:14:35 AM	1.063 V/m	1.025 V/m	0.9937 V/m
192	06/30/2016 11:14:45 AM	1.081 V/m	1.028 V/m	0.9887 V/m
193	06/30/2016 11:14:55 AM	1.120 V/m	1.051 V/m	0.9854 V/m
194	06/30/2016 11:15:05 AM	1.095 V/m	1.034 V/m	1.004 V/m
195	06/30/2016 11:15:15 AM	1.067 V/m	1.021 V/m	0.9942 V/m
196	06/30/2016 11:15:25 AM	1.105 V/m	1.032 V/m	1.002 V/m
197	06/30/2016 11:15:35 AM	1.180 V/m	1.045 V/m	1.001 V/m
198	06/30/2016 11:15:45 AM	1.079 V/m	1.025 V/m	1.000 V/m
199	06/30/2016 11:15:55 AM	1.097 V/m	1.033 V/m	0.9901 V/m
200	06/30/2016 11:16:05 AM	1.171 V/m	1.045 V/m	1.014 V/m
201	06/30/2016 11:16:15 AM	1.102 V/m	1.032 V/m	1.006 V/m
202	06/30/2016 11:16:25 AM	1.075 V/m	1.022 V/m	0.9965 V/m
203	06/30/2016 11:16:35 AM	1.095 V/m	1.028 V/m	0.9981 V/m
204	06/30/2016 11:16:45 AM	1.186 V/m	1.051 V/m	0.9915 V/m
205	06/30/2016 11:16:55 AM	1.102 V/m	1.037 V/m	0.9865 V/m
206	06/30/2016 11:17:05 AM	1.160 V/m	1.056 V/m	0.9984 V/m
207	06/30/2016 11:17:15 AM	1.171 V/m	1.061 V/m	1.016 V/m
208	06/30/2016 11:17:25 AM	1.132 V/m	1.052 V/m	1.003 V/m
209	06/30/2016 11:17:35 AM	1.089 V/m	1.035 V/m	0.9995 V/m
210	06/30/2016 11:17:45 AM	1.132 V/m	1.039 V/m	0.9984 V/m
211	06/30/2016 11:17:55 AM	1.130 V/m	1.027 V/m	0.9968 V/m
212	06/30/2016 11:18:05 AM	1.094 V/m	1.022 V/m	0.9990 V/m
213	06/30/2016 11:18:15 AM	1.125 V/m	1.031 V/m	0.9937 V/m
214	06/30/2016 11:18:25 AM	1.151 V/m	1.058 V/m	0.9976 V/m
215	06/30/2016 11:18:35 AM	1.186 V/m	1.038 V/m	1.001 V/m
216	06/30/2016 11:18:45 AM	1.172 V/m	1.048 V/m	0.9954 V/m
217	06/30/2016 11:18:55 AM	1.055 V/m	1.034 V/m	1.019 V/m
218	06/30/2016 11:19:05 AM	1.213 V/m	1.034 V/m	0.9820 V/m
219	06/30/2016 11:19:15 AM	1.092 V/m	1.035 V/m	1.006 V/m
220	06/30/2016 11:19:25 AM	1.107 V/m	1.034 V/m	0.9993 V/m
221	06/30/2016 11:19:35 AM	1.099 V/m	1.016 V/m	0.9981 V/m
222	06/30/2016 11:19:45 AM	1.122 V/m	1.078 V/m	1.004 V/m
223	06/30/2016 11:19:55 AM	1.045 V/m	1.017 V/m	0.9973 V/m
224	06/30/2016 11:20:05 AM	1.062 V/m	1.022 V/m	0.9954 V/m
225	06/30/2016 11:20:15 AM	1.049 V/m	1.014 V/m	0.9920 V/m
226	06/30/2016 11:20:25 AM	1.059 V/m	1.006 V/m	0.9906 V/m
227	06/30/2016 11:20:35 AM	1.106 V/m	1.051 V/m	1.007 V/m
228	06/30/2016 11:20:45 AM	1.116 V/m	1.066 V/m	1.007 V/m
229	06/30/2016 11:20:55 AM	1.192 V/m	1.049 V/m	0.9943 V/m
230	06/30/2016 11:21:05 AM	1.113 V/m	1.022 V/m	0.9923 V/m
231	06/30/2016 11:21:15 AM	1.066 V/m	1.021 V/m	0.9859 V/m
232	06/30/2016 11:21:25 AM	1.093 V/m	1.017 V/m	0.9865 V/m
233	06/30/2016 11:21:35 AM	1.042 V/m	1.003 V/m	0.9895 V/m
234	06/30/2016 11:21:45 AM	1.165 V/m	1.036 V/m	0.9904 V/m
235	06/30/2016 11:21:55 AM	1.164 V/m	1.046 V/m	0.9992 V/m
236	06/30/2016 11:22:05 AM	1.213 V/m	1.024 V/m	0.9842 V/m
237	06/30/2016 11:22:15 AM	1.099 V/m	1.023 V/m	0.9803 V/m
238	06/30/2016 11:22:25 AM	1.185 V/m	1.064 V/m	0.9970 V/m
239	06/30/2016 11:22:35 AM	1.074 V/m	1.016 V/m	0.9887 V/m
240	06/30/2016 11:22:45 AM	1.076 V/m	1.020 V/m	0.9831 V/m
241	06/30/2016 11:22:55 AM	1.073 V/m	1.008 V/m	0.9788 V/m
242	06/30/2016 11:23:05 AM	1.077 V/m	1.018 V/m	0.9973 V/m
243	06/30/2016 11:23:15 AM	1.095 V/m	1.022 V/m	0.9965 V/m
244	06/30/2016 11:23:25 AM	1.111 V/m	1.017 V/m	0.9898 V/m
245	06/30/2016 11:23:35 AM	1.087 V/m	1.008 V/m	0.9884 V/m
246	06/30/2016 11:23:45 AM	1.073 V/m	1.020 V/m	0.9876 V/m
247	06/30/2016 11:23:55 AM	1.133 V/m	1.021 V/m	0.9862 V/m

248	06/30/2016 11:24:05 AM	1.098 V/m	1.020 V/m	0.9940 V/m
249	06/30/2016 11:24:15 AM	1.093 V/m	1.018 V/m	0.9865 V/m
250	06/30/2016 11:24:25 AM	1.122 V/m	1.027 V/m	0.9937 V/m
251	06/30/2016 11:24:35 AM	1.103 V/m	1.031 V/m	0.9959 V/m
252	06/30/2016 11:24:45 AM	1.097 V/m	1.030 V/m	1.007 V/m
253	06/30/2016 11:24:55 AM	1.065 V/m	1.003 V/m	0.9746 V/m
254	06/30/2016 11:25:05 AM	1.057 V/m	0.9925 V/m	0.9689 V/m
255	06/30/2016 11:25:15 AM	1.101 V/m	1.045 V/m	0.9757 V/m
256	06/30/2016 11:25:25 AM	1.121 V/m	1.025 V/m	0.9803 V/m
257	06/30/2016 11:25:35 AM	1.021 V/m	0.9943 V/m	0.9777 V/m
258	06/30/2016 11:25:45 AM	1.083 V/m	1.008 V/m	0.9598 V/m
259	06/30/2016 11:25:55 AM	1.074 V/m	1.015 V/m	0.9789 V/m
260	06/30/2016 11:26:05 AM	1.103 V/m	1.026 V/m	0.9976 V/m
261	06/30/2016 11:26:15 AM	1.081 V/m	1.019 V/m	0.9943 V/m
262	06/30/2016 11:26:25 AM	1.098 V/m	1.034 V/m	0.9826 V/m
263	06/30/2016 11:26:35 AM	1.086 V/m	1.011 V/m	0.9630 V/m
264	06/30/2016 11:26:45 AM	1.089 V/m	1.009 V/m	0.9781 V/m
265	06/30/2016 11:26:55 AM	1.088 V/m	1.005 V/m	0.9713 V/m
266	06/30/2016 11:27:05 AM	1.117 V/m	1.015 V/m	0.9932 V/m
267	06/30/2016 11:27:15 AM	1.093 V/m	1.029 V/m	0.9926 V/m
268	06/30/2016 11:27:25 AM	1.106 V/m	1.034 V/m	0.9991 V/m
269	06/30/2016 11:27:35 AM	1.096 V/m	1.031 V/m	1.011 V/m
270	06/30/2016 11:27:45 AM	1.084 V/m	1.001 V/m	0.9781 V/m
271	06/30/2016 11:27:55 AM	1.209 V/m	1.030 V/m	0.9803 V/m
272	06/30/2016 11:28:05 AM	1.079 V/m	0.9925 V/m	0.9416 V/m
273	06/30/2016 11:28:15 AM	1.085 V/m	1.006 V/m	0.9465 V/m
274	06/30/2016 11:28:25 AM	1.032 V/m	0.9977 V/m	0.9570 V/m
275	06/30/2016 11:28:35 AM	1.063 V/m	0.9958 V/m	0.9607 V/m
276	06/30/2016 11:28:45 AM	1.094 V/m	1.015 V/m	0.9887 V/m
277	06/30/2016 11:28:55 AM	1.101 V/m	1.007 V/m	0.9784 V/m
278	06/30/2016 11:29:05 AM	1.067 V/m	1.008 V/m	0.9693 V/m
279	06/30/2016 11:29:15 AM	1.163 V/m	1.073 V/m	1.005 V/m
280	06/30/2016 11:29:25 AM	1.273 V/m	1.095 V/m	1.008 V/m
281	06/30/2016 11:29:35 AM	1.120 V/m	1.040 V/m	1.010 V/m
282	06/30/2016 11:29:45 AM	1.099 V/m	1.021 V/m	0.9948 V/m
283	06/30/2016 11:29:55 AM	1.170 V/m	1.031 V/m	0.9809 V/m
284	06/30/2016 11:30:05 AM	1.173 V/m	1.046 V/m	0.9876 V/m
285	06/30/2016 11:30:15 AM	1.104 V/m	1.017 V/m	0.9618 V/m
286	06/30/2016 11:30:25 AM	1.091 V/m	1.007 V/m	0.9693 V/m
287	06/30/2016 11:30:35 AM	1.079 V/m	1.016 V/m	0.9885 V/m
288	06/30/2016 11:30:45 AM	1.097 V/m	1.026 V/m	0.9996 V/m
289	06/30/2016 11:30:55 AM	1.192 V/m	1.038 V/m	0.9937 V/m
290	06/30/2016 11:31:05 AM	1.157 V/m	1.026 V/m	0.9778 V/m
291	06/30/2016 11:31:15 AM	1.083 V/m	1.014 V/m	0.9834 V/m
292	06/30/2016 11:31:25 AM	1.070 V/m	1.015 V/m	0.9825 V/m
293	06/30/2016 11:31:35 AM	1.096 V/m	1.029 V/m	0.9644 V/m
294	06/30/2016 11:31:45 AM	1.118 V/m	1.059 V/m	1.015 V/m
295	06/30/2016 11:31:55 AM	1.095 V/m	1.018 V/m	0.9948 V/m
296	06/30/2016 11:32:05 AM	1.112 V/m	1.031 V/m	0.9971 V/m
297	06/30/2016 11:32:15 AM	1.132 V/m	1.042 V/m	0.9962 V/m
298	06/30/2016 11:32:25 AM	1.185 V/m	1.065 V/m	1.014 V/m
299	06/30/2016 11:32:35 AM	1.170 V/m	1.054 V/m	0.9870 V/m
300	06/30/2016 11:32:45 AM	1.097 V/m	1.046 V/m	1.006 V/m
301	06/30/2016 11:32:55 AM	1.059 V/m	1.024 V/m	0.9918 V/m
302	06/30/2016 11:33:05 AM	1.231 V/m	1.130 V/m	1.063 V/m
303	06/30/2016 11:33:15 AM	1.200 V/m	1.114 V/m	1.020 V/m
304	06/30/2016 11:33:25 AM	1.254 V/m	1.088 V/m	1.014 V/m
305	06/30/2016 11:33:35 AM	1.144 V/m	1.069 V/m	1.023 V/m
306	06/30/2016 11:33:45 AM	1.295 V/m	1.102 V/m	1.014 V/m
307	06/30/2016 11:33:55 AM	1.175 V/m	1.109 V/m	1.038 V/m
308	06/30/2016 11:34:05 AM	1.144 V/m	1.088 V/m	1.015 V/m
309	06/30/2016 11:34:15 AM	1.222 V/m	1.090 V/m	1.002 V/m
310	06/30/2016 11:34:25 AM	1.092 V/m	1.032 V/m	0.9909 V/m

311	06/30/2016 11:34:35 AM	1.112 V/m	1.041 V/m	0.9977 V/m
312	06/30/2016 11:34:45 AM	1.085 V/m	1.032 V/m	0.9826 V/m
313	06/30/2016 11:34:55 AM	1.088 V/m	1.027 V/m	0.9820 V/m
314	06/30/2016 11:35:05 AM	1.088 V/m	1.052 V/m	0.9912 V/m
315	06/30/2016 11:35:15 AM	1.209 V/m	1.102 V/m	0.9780 V/m
316	06/30/2016 11:35:25 AM	1.137 V/m	1.058 V/m	0.9641 V/m
317	06/30/2016 11:35:35 AM	1.153 V/m	1.068 V/m	0.9915 V/m
318	06/30/2016 11:35:45 AM	1.137 V/m	1.074 V/m	0.9937 V/m
319	06/30/2016 11:35:55 AM	1.141 V/m	1.043 V/m	0.9981 V/m
320	06/30/2016 11:36:05 AM	1.130 V/m	1.044 V/m	0.9937 V/m
321	06/30/2016 11:36:15 AM	1.135 V/m	1.085 V/m	1.034 V/m
322	06/30/2016 11:36:25 AM	1.226 V/m	1.118 V/m	1.046 V/m
323	06/30/2016 11:36:35 AM	1.156 V/m	1.085 V/m	1.003 V/m
324	06/30/2016 11:36:45 AM	1.190 V/m	1.055 V/m	1.005 V/m
325	06/30/2016 11:36:55 AM	1.181 V/m	1.078 V/m	1.007 V/m
326	06/30/2016 11:37:05 AM	1.174 V/m	1.085 V/m	1.003 V/m
327	06/30/2016 11:37:15 AM	1.158 V/m	1.091 V/m	1.013 V/m
328	06/30/2016 11:37:25 AM	1.104 V/m	1.072 V/m	1.029 V/m
329	06/30/2016 11:37:35 AM	1.104 V/m	1.062 V/m	1.029 V/m
330	06/30/2016 11:37:45 AM	1.110 V/m	1.048 V/m	0.9907 V/m
331	06/30/2016 11:37:55 AM	1.076 V/m	0.9999 V/m	0.9752 V/m
332	06/30/2016 11:38:05 AM	1.135 V/m	1.002 V/m	0.9741 V/m
333	06/30/2016 11:38:15 AM	1.076 V/m	1.010 V/m	0.9795 V/m
334	06/30/2016 11:38:25 AM	1.149 V/m	1.055 V/m	0.9923 V/m
335	06/30/2016 11:38:35 AM	1.106 V/m	1.041 V/m	0.9868 V/m
336	06/30/2016 11:38:45 AM	1.141 V/m	1.060 V/m	0.9837 V/m
337	06/30/2016 11:38:55 AM	1.160 V/m	1.102 V/m	1.043 V/m
338	06/30/2016 11:39:05 AM	1.187 V/m	1.097 V/m	1.033 V/m
339	06/30/2016 11:39:15 AM	1.160 V/m	1.036 V/m	0.9845 V/m
340	06/30/2016 11:39:25 AM	1.082 V/m	1.022 V/m	0.9946 V/m
341	06/30/2016 11:39:35 AM	1.137 V/m	1.046 V/m	0.9854 V/m
342	06/30/2016 11:39:45 AM	1.119 V/m	1.038 V/m	0.9940 V/m
343	06/30/2016 11:39:55 AM	1.248 V/m	1.068 V/m	0.9873 V/m
344	06/30/2016 11:40:05 AM	1.219 V/m	1.080 V/m	0.9904 V/m
345	06/30/2016 11:40:15 AM	1.180 V/m	1.057 V/m	1.004 V/m
346	06/30/2016 11:40:25 AM	1.215 V/m	1.079 V/m	1.020 V/m
347	06/30/2016 11:40:35 AM	1.171 V/m	1.067 V/m	1.018 V/m
348	06/30/2016 11:40:45 AM	1.136 V/m	1.027 V/m	0.9647 V/m
349	06/30/2016 11:40:55 AM	1.081 V/m	1.013 V/m	0.9633 V/m
350	06/30/2016 11:41:05 AM	1.153 V/m	1.034 V/m	0.9979 V/m
351	06/30/2016 11:41:15 AM	1.094 V/m	1.015 V/m	0.9904 V/m
352	06/30/2016 11:41:25 AM	1.034 V/m	1.010 V/m	0.9738 V/m
353	06/30/2016 11:41:35 AM	1.044 V/m	0.9893 V/m	0.9247 V/m
354	06/30/2016 11:41:45 AM	1.034 V/m	1.000 V/m	0.9801 V/m
355	06/30/2016 11:41:55 AM	1.059 V/m	1.015 V/m	0.9826 V/m
356	06/30/2016 11:42:05 AM	1.052 V/m	1.018 V/m	0.9764 V/m
357	06/30/2016 11:42:15 AM	1.126 V/m	1.091 V/m	1.031 V/m
358	06/30/2016 11:42:25 AM	1.143 V/m	1.094 V/m	1.041 V/m
359	06/30/2016 11:42:35 AM	1.270 V/m	1.180 V/m	1.028 V/m
360	06/30/2016 11:42:45 AM	1.192 V/m	1.107 V/m	0.9846 V/m
361	06/30/2016 11:42:55 AM	1.183 V/m	1.095 V/m	0.9954 V/m
362	06/30/2016 11:43:05 AM	1.210 V/m	1.125 V/m	0.9987 V/m
363	06/30/2016 11:43:15 AM	1.080 V/m	1.030 V/m	0.9887 V/m
364	06/30/2016 11:43:25 AM	1.107 V/m	1.074 V/m	1.035 V/m
365	06/30/2016 11:43:35 AM	1.091 V/m	1.031 V/m	0.9915 V/m
366	06/30/2016 11:43:45 AM	1.233 V/m	1.066 V/m	1.011 V/m
367	06/30/2016 11:43:55 AM	1.124 V/m	1.060 V/m	0.9915 V/m
368	06/30/2016 11:44:05 AM	1.294 V/m	1.121 V/m	1.030 V/m
369	06/30/2016 11:44:15 AM	1.251 V/m	1.157 V/m	1.043 V/m
370	06/30/2016 11:44:25 AM	1.212 V/m	1.062 V/m	0.9590 V/m
371	06/30/2016 11:44:35 AM	1.197 V/m	1.032 V/m	0.9325 V/m
372	06/30/2016 11:44:45 AM	1.198 V/m	1.090 V/m	1.016 V/m
373	06/30/2016 11:44:55 AM	1.193 V/m	1.101 V/m	1.053 V/m

374	06/30/2016 11:45:05 AM	1.168 V/m	1.101 V/m	1.030 V/m
375	06/30/2016 11:45:15 AM	1.097 V/m	1.030 V/m	0.9885 V/m
376	06/30/2016 11:45:25 AM	1.138 V/m	1.045 V/m	0.9987 V/m
377	06/30/2016 11:45:35 AM	1.117 V/m	1.036 V/m	1.014 V/m
378	06/30/2016 11:45:45 AM	1.067 V/m	1.009 V/m	0.9834 V/m
379	06/30/2016 11:45:55 AM	1.219 V/m	1.062 V/m	1.003 V/m
380	06/30/2016 11:46:05 AM	1.122 V/m	1.039 V/m	1.002 V/m
381	06/30/2016 11:46:15 AM	1.081 V/m	1.022 V/m	0.9868 V/m
382	06/30/2016 11:46:25 AM	1.104 V/m	1.017 V/m	0.9879 V/m
383	06/30/2016 11:46:35 AM	1.175 V/m	1.035 V/m	0.9945 V/m
384	06/30/2016 11:46:45 AM	1.073 V/m	1.004 V/m	0.9702 V/m
385	06/30/2016 11:46:55 AM	1.081 V/m	1.005 V/m	0.9823 V/m
386	06/30/2016 11:47:05 AM	1.120 V/m	1.016 V/m	0.9789 V/m
387	06/30/2016 11:47:15 AM	1.155 V/m	1.042 V/m	0.9809 V/m
388	06/30/2016 11:47:25 AM	1.160 V/m	1.077 V/m	0.9963 V/m
389	06/30/2016 11:47:35 AM	1.193 V/m	1.110 V/m	1.036 V/m
390	06/30/2016 11:47:45 AM	1.102 V/m	1.048 V/m	0.9839 V/m
391	06/30/2016 11:47:55 AM	1.175 V/m	1.090 V/m	1.018 V/m
392	06/30/2016 11:48:05 AM	1.104 V/m	1.044 V/m	0.9783 V/m
393	06/30/2016 11:48:15 AM	1.104 V/m	1.024 V/m	0.9831 V/m
394	06/30/2016 11:48:25 AM	1.155 V/m	1.041 V/m	0.9968 V/m
395	06/30/2016 11:48:35 AM	1.120 V/m	1.037 V/m	0.9995 V/m
396	06/30/2016 11:48:45 AM	1.137 V/m	1.034 V/m	0.9990 V/m
397	06/30/2016 11:48:55 AM	1.098 V/m	1.031 V/m	0.9862 V/m
398	06/30/2016 11:49:05 AM	1.119 V/m	1.030 V/m	0.9862 V/m
399	06/30/2016 11:49:15 AM	1.246 V/m	1.088 V/m	0.9962 V/m
400	06/30/2016 11:49:25 AM	1.198 V/m	1.032 V/m	0.9884 V/m
401	06/30/2016 11:49:35 AM	1.130 V/m	1.048 V/m	1.002 V/m
402	06/30/2016 11:49:45 AM	1.161 V/m	1.038 V/m	0.9798 V/m
403	06/30/2016 11:49:55 AM	1.135 V/m	1.049 V/m	0.9887 V/m
404	06/30/2016 11:50:05 AM	1.302 V/m	1.159 V/m	0.9926 V/m
405	06/30/2016 11:50:15 AM	1.095 V/m	1.026 V/m	0.9910 V/m
406	06/30/2016 11:50:25 AM	1.127 V/m	1.002 V/m	0.9662 V/m
407	06/30/2016 11:50:35 AM	1.136 V/m	1.018 V/m	0.9584 V/m
408	06/30/2016 11:50:45 AM	1.153 V/m	1.051 V/m	0.9924 V/m
409	06/30/2016 11:50:55 AM	1.106 V/m	1.030 V/m	0.9870 V/m
410	06/30/2016 11:51:05 AM	1.174 V/m	1.050 V/m	0.9844 V/m
411	06/30/2016 11:51:15 AM	1.159 V/m	1.038 V/m	0.9581 V/m
412	06/30/2016 11:51:25 AM	1.191 V/m	1.113 V/m	1.042 V/m
413	06/30/2016 11:51:35 AM	1.208 V/m	1.059 V/m	0.9817 V/m
414	06/30/2016 11:51:45 AM	1.144 V/m	1.055 V/m	0.9781 V/m
415	06/30/2016 11:51:55 AM	1.182 V/m	1.042 V/m	0.9684 V/m
416	06/30/2016 11:52:05 AM	1.125 V/m	1.069 V/m	0.9943 V/m
417	06/30/2016 11:52:15 AM	1.082 V/m	1.012 V/m	0.9575 V/m
418	06/30/2016 11:52:25 AM	1.133 V/m	1.036 V/m	0.9851 V/m
419	06/30/2016 11:52:35 AM	1.165 V/m	1.057 V/m	0.9951 V/m
420	06/30/2016 11:52:45 AM	1.139 V/m	1.068 V/m	0.9959 V/m
421	06/30/2016 11:52:55 AM	1.144 V/m	1.039 V/m	0.9946 V/m
422	06/30/2016 11:53:05 AM	1.158 V/m	1.048 V/m	0.9998 V/m
423	06/30/2016 11:53:15 AM	1.256 V/m	1.111 V/m	1.034 V/m
424	06/30/2016 11:53:25 AM	1.287 V/m	1.128 V/m	1.017 V/m
425	06/30/2016 11:53:35 AM	1.117 V/m	1.041 V/m	0.9916 V/m
426	06/30/2016 11:53:45 AM	1.092 V/m	1.018 V/m	0.9786 V/m
427	06/30/2016 11:53:55 AM	1.158 V/m	1.030 V/m	0.9451 V/m
428	06/30/2016 11:54:05 AM	1.161 V/m	1.050 V/m	0.9794 V/m
429	06/30/2016 11:54:15 AM	1.045 V/m	0.9912 V/m	0.9698 V/m
430	06/30/2016 11:54:25 AM	1.148 V/m	1.027 V/m	0.9789 V/m
431	06/30/2016 11:54:35 AM	1.333 V/m	1.156 V/m	1.004 V/m
432	06/30/2016 11:54:45 AM	1.147 V/m	1.033 V/m	0.9921 V/m
433	06/30/2016 11:54:55 AM	1.172 V/m	1.032 V/m	0.9843 V/m
434	06/30/2016 11:55:05 AM	1.162 V/m	1.046 V/m	0.9797 V/m
435	06/30/2016 11:55:15 AM	1.153 V/m	1.020 V/m	0.9761 V/m
436	06/30/2016 11:55:25 AM	1.144 V/m	1.054 V/m	0.9730 V/m

437	06/30/2016 11:55:35 AM	1.234 V/m	1.077 V/m	0.9990 V/m
438	06/30/2016 11:55:45 AM	1.205 V/m	1.069 V/m	0.9596 V/m
439	06/30/2016 11:55:55 AM	1.125 V/m	1.057 V/m	0.9968 V/m
440	06/30/2016 11:56:05 AM	1.099 V/m	1.025 V/m	0.9704 V/m
441	06/30/2016 11:56:15 AM	1.163 V/m	1.046 V/m	0.9982 V/m
442	06/30/2016 11:56:25 AM	1.103 V/m	1.013 V/m	0.9684 V/m
443	06/30/2016 11:56:35 AM	1.140 V/m	1.032 V/m	0.9789 V/m
444	06/30/2016 11:56:45 AM	1.117 V/m	1.008 V/m	0.9636 V/m
445	06/30/2016 11:56:55 AM	1.108 V/m	0.9997 V/m	0.9661 V/m
446	06/30/2016 11:57:05 AM	1.122 V/m	1.008 V/m	0.9547 V/m
447	06/30/2016 11:57:15 AM	1.095 V/m	1.002 V/m	0.9615 V/m
448	06/30/2016 11:57:25 AM	1.115 V/m	1.023 V/m	0.9682 V/m
449	06/30/2016 11:57:35 AM	1.142 V/m	1.054 V/m	0.9752 V/m
450	06/30/2016 11:57:45 AM	1.160 V/m	1.053 V/m	0.9549 V/m
451	06/30/2016 11:57:55 AM	1.119 V/m	0.9927 V/m	0.9392 V/m
452	06/30/2016 11:58:05 AM	1.100 V/m	1.022 V/m	0.9552 V/m
453	06/30/2016 11:58:15 AM	1.138 V/m	1.046 V/m	0.9943 V/m
454	06/30/2016 11:58:25 AM	1.261 V/m	1.061 V/m	0.9786 V/m
455	06/30/2016 11:58:35 AM	1.161 V/m	1.035 V/m	0.9946 V/m
456	06/30/2016 11:58:45 AM	1.177 V/m	1.060 V/m	0.9724 V/m
457	06/30/2016 11:58:55 AM	1.310 V/m	1.118 V/m	0.9895 V/m
458	06/30/2016 11:59:05 AM	1.092 V/m	1.031 V/m	0.9926 V/m
459	06/30/2016 11:59:15 AM	1.114 V/m	1.045 V/m	1.004 V/m
460	06/30/2016 11:59:25 AM	1.124 V/m	1.042 V/m	0.9973 V/m
461	06/30/2016 11:59:35 AM	1.102 V/m	1.045 V/m	1.001 V/m
462	06/30/2016 11:59:45 AM	1.175 V/m	1.044 V/m	0.9995 V/m
463	06/30/2016 11:59:55 AM	1.106 V/m	1.011 V/m	0.9758 V/m
464	06/30/2016 12:00:05 PM	1.139 V/m	1.003 V/m	0.9755 V/m
465	06/30/2016 12:00:15 PM	1.244 V/m	1.154 V/m	1.001 V/m
466	06/30/2016 12:00:25 PM	1.147 V/m	0.9962 V/m	0.8770 V/m
467	06/30/2016 12:00:35 PM	1.182 V/m	1.012 V/m	0.9624 V/m
468	06/30/2016 12:00:45 PM	1.203 V/m	1.004 V/m	0.9575 V/m
469	06/30/2016 12:00:55 PM	1.159 V/m	0.9999 V/m	0.9608 V/m
470	06/30/2016 12:01:05 PM	1.238 V/m	1.122 V/m	0.9515 V/m
471	06/30/2016 12:01:15 PM	1.107 V/m	1.015 V/m	0.9424 V/m
472	06/30/2016 12:01:25 PM	1.081 V/m	1.013 V/m	0.9733 V/m
473	06/30/2016 12:01:35 PM	1.089 V/m	1.019 V/m	0.9750 V/m
474	06/30/2016 12:01:45 PM	1.159 V/m	1.040 V/m	0.9940 V/m
475	06/30/2016 12:01:55 PM	1.119 V/m	1.028 V/m	0.9862 V/m
476	06/30/2016 12:02:05 PM	1.096 V/m	1.027 V/m	0.9811 V/m
477	06/30/2016 12:02:15 PM	1.073 V/m	1.017 V/m	0.9769 V/m
478	06/30/2016 12:02:25 PM	1.094 V/m	1.022 V/m	0.9707 V/m
479	06/30/2016 12:02:35 PM	1.074 V/m	1.007 V/m	0.9687 V/m
480	06/30/2016 12:02:45 PM	1.102 V/m	1.018 V/m	0.9681 V/m
481	06/30/2016 12:02:55 PM	1.094 V/m	1.013 V/m	0.9749 V/m
482	06/30/2016 12:03:05 PM	1.084 V/m	1.020 V/m	0.9910 V/m
483	06/30/2016 12:03:15 PM	1.144 V/m	1.025 V/m	0.9721 V/m
484	06/30/2016 12:03:25 PM	1.227 V/m	1.051 V/m	0.9817 V/m
485	06/30/2016 12:03:35 PM	1.193 V/m	1.046 V/m	0.9895 V/m
486	06/30/2016 12:03:45 PM	1.120 V/m	1.046 V/m	0.9885 V/m
487	06/30/2016 12:03:55 PM	1.200 V/m	1.073 V/m	0.9879 V/m
488	06/30/2016 12:04:05 PM	1.137 V/m	1.014 V/m	0.9664 V/m
489	06/30/2016 12:04:15 PM	1.175 V/m	1.042 V/m	0.9845 V/m
490	06/30/2016 12:04:25 PM	1.119 V/m	1.044 V/m	0.9940 V/m
491	06/30/2016 12:04:35 PM	1.134 V/m	1.031 V/m	0.9913 V/m
492	06/30/2016 12:04:45 PM	1.108 V/m	1.008 V/m	0.9755 V/m
493	06/30/2016 12:04:55 PM	1.135 V/m	1.016 V/m	0.9800 V/m
494	06/30/2016 12:05:05 PM	1.101 V/m	1.022 V/m	0.9761 V/m
495	06/30/2016 12:05:15 PM	1.082 V/m	1.022 V/m	0.9845 V/m
496	06/30/2016 12:05:25 PM	1.105 V/m	1.044 V/m	1.001 V/m
497	06/30/2016 12:05:35 PM	1.088 V/m	1.052 V/m	1.005 V/m
498	06/30/2016 12:05:45 PM	1.154 V/m	1.074 V/m	1.003 V/m
499	06/30/2016 12:05:55 PM	1.107 V/m	1.043 V/m	1.017 V/m

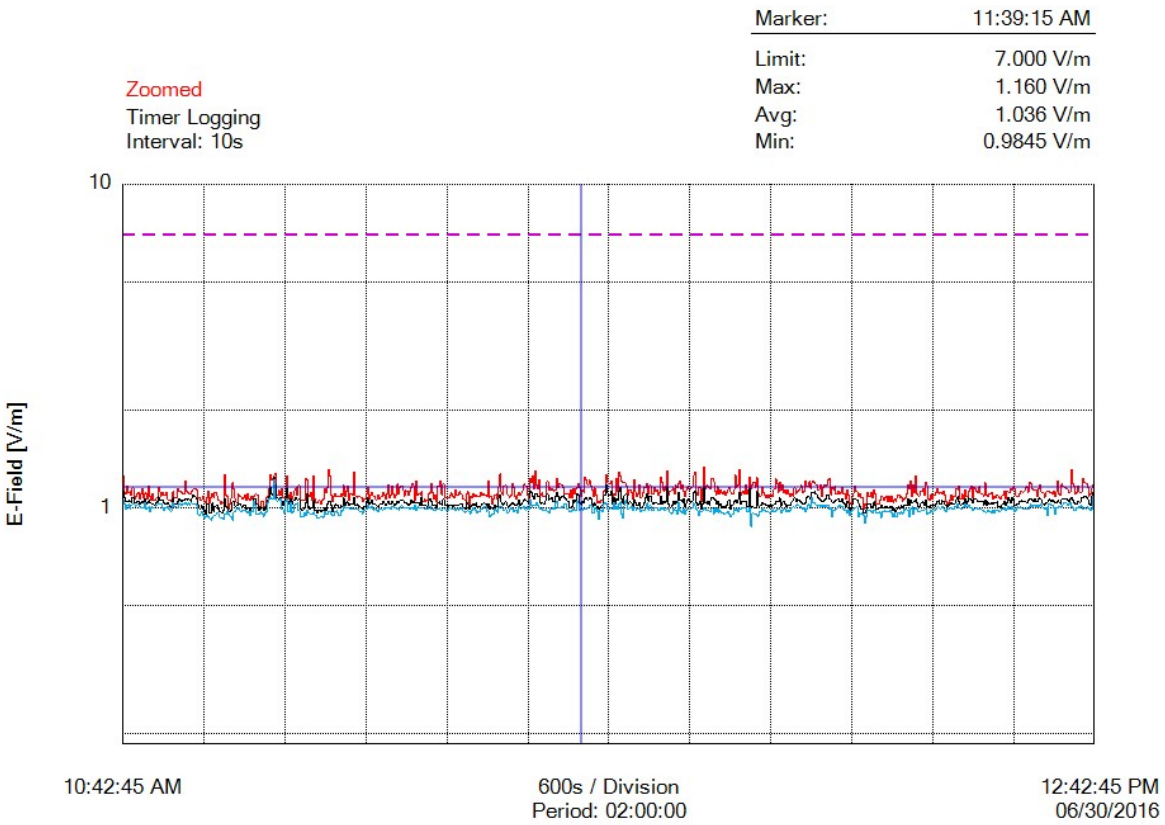
500	06/30/2016 12:06:05 PM	1.121 V/m	1.063 V/m	1.027 V/m
501	06/30/2016 12:06:15 PM	1.137 V/m	1.056 V/m	1.017 V/m
502	06/30/2016 12:06:25 PM	1.149 V/m	1.047 V/m	1.011 V/m
503	06/30/2016 12:06:35 PM	1.173 V/m	1.039 V/m	0.9995 V/m
504	06/30/2016 12:06:45 PM	1.112 V/m	1.030 V/m	0.9921 V/m
505	06/30/2016 12:06:55 PM	1.123 V/m	1.031 V/m	1.002 V/m
506	06/30/2016 12:07:05 PM	1.207 V/m	1.041 V/m	0.9716 V/m
507	06/30/2016 12:07:15 PM	1.170 V/m	1.074 V/m	0.9888 V/m
508	06/30/2016 12:07:25 PM	1.164 V/m	1.085 V/m	1.024 V/m
509	06/30/2016 12:07:35 PM	1.207 V/m	1.080 V/m	1.016 V/m
510	06/30/2016 12:07:45 PM	1.149 V/m	1.065 V/m	1.004 V/m
511	06/30/2016 12:07:55 PM	1.193 V/m	1.114 V/m	1.078 V/m
512	06/30/2016 12:08:05 PM	1.214 V/m	1.120 V/m	1.033 V/m
513	06/30/2016 12:08:15 PM	1.198 V/m	1.122 V/m	1.035 V/m
514	06/30/2016 12:08:25 PM	1.182 V/m	1.102 V/m	1.023 V/m
515	06/30/2016 12:08:35 PM	1.135 V/m	1.076 V/m	1.012 V/m
516	06/30/2016 12:08:45 PM	1.140 V/m	1.065 V/m	1.020 V/m
517	06/30/2016 12:08:55 PM	1.176 V/m	1.055 V/m	1.005 V/m
518	06/30/2016 12:09:05 PM	1.081 V/m	1.049 V/m	1.018 V/m
519	06/30/2016 12:09:15 PM	1.157 V/m	1.047 V/m	1.008 V/m
520	06/30/2016 12:09:25 PM	1.176 V/m	1.054 V/m	1.016 V/m
521	06/30/2016 12:09:35 PM	1.172 V/m	1.066 V/m	1.007 V/m
522	06/30/2016 12:09:45 PM	1.177 V/m	1.097 V/m	1.015 V/m
523	06/30/2016 12:09:55 PM	1.219 V/m	1.094 V/m	1.017 V/m
524	06/30/2016 12:10:05 PM	1.231 V/m	1.068 V/m	0.9935 V/m
525	06/30/2016 12:10:15 PM	1.099 V/m	1.059 V/m	1.002 V/m
526	06/30/2016 12:10:25 PM	1.160 V/m	1.041 V/m	0.9366 V/m
527	06/30/2016 12:10:35 PM	1.140 V/m	1.040 V/m	0.9870 V/m
528	06/30/2016 12:10:45 PM	1.163 V/m	1.048 V/m	0.9813 V/m
529	06/30/2016 12:10:55 PM	1.102 V/m	1.059 V/m	0.9932 V/m
530	06/30/2016 12:11:05 PM	1.130 V/m	1.069 V/m	1.006 V/m
531	06/30/2016 12:11:15 PM	1.105 V/m	1.048 V/m	1.022 V/m
532	06/30/2016 12:11:25 PM	1.116 V/m	1.044 V/m	1.008 V/m
533	06/30/2016 12:11:35 PM	1.158 V/m	1.068 V/m	1.010 V/m
534	06/30/2016 12:11:45 PM	1.101 V/m	1.036 V/m	0.9890 V/m
535	06/30/2016 12:11:55 PM	1.102 V/m	1.032 V/m	0.9828 V/m
536	06/30/2016 12:12:05 PM	1.070 V/m	1.006 V/m	0.9842 V/m
537	06/30/2016 12:12:15 PM	1.139 V/m	1.044 V/m	0.9661 V/m
538	06/30/2016 12:12:25 PM	1.090 V/m	1.033 V/m	0.9865 V/m
539	06/30/2016 12:12:35 PM	1.028 V/m	0.9831 V/m	0.9503 V/m
540	06/30/2016 12:12:45 PM	1.036 V/m	0.9955 V/m	0.9766 V/m
541	06/30/2016 12:12:55 PM	1.081 V/m	1.024 V/m	0.9840 V/m
542	06/30/2016 12:13:05 PM	1.112 V/m	1.067 V/m	0.9896 V/m
543	06/30/2016 12:13:15 PM	1.169 V/m	1.070 V/m	1.004 V/m
544	06/30/2016 12:13:25 PM	1.121 V/m	1.058 V/m	1.006 V/m
545	06/30/2016 12:13:35 PM	1.085 V/m	1.034 V/m	0.9360 V/m
546	06/30/2016 12:13:45 PM	1.110 V/m	1.012 V/m	0.9613 V/m
547	06/30/2016 12:13:55 PM	1.073 V/m	0.9923 V/m	0.9581 V/m
548	06/30/2016 12:14:05 PM	1.076 V/m	0.9953 V/m	0.9621 V/m
549	06/30/2016 12:14:15 PM	0.9893 V/m	0.9686 V/m	0.9495 V/m
550	06/30/2016 12:14:25 PM	1.025 V/m	0.9637 V/m	0.8987 V/m
551	06/30/2016 12:14:35 PM	1.021 V/m	0.9807 V/m	0.9419 V/m
552	06/30/2016 12:14:45 PM	1.118 V/m	1.030 V/m	0.9862 V/m
553	06/30/2016 12:14:55 PM	1.082 V/m	1.024 V/m	0.9865 V/m
554	06/30/2016 12:15:05 PM	1.088 V/m	1.031 V/m	0.9809 V/m
555	06/30/2016 12:15:15 PM	1.119 V/m	1.008 V/m	0.9741 V/m
556	06/30/2016 12:15:25 PM	1.073 V/m	1.002 V/m	0.9673 V/m
557	06/30/2016 12:15:35 PM	1.135 V/m	1.044 V/m	0.9868 V/m
558	06/30/2016 12:15:45 PM	1.104 V/m	1.015 V/m	0.9784 V/m
559	06/30/2016 12:15:55 PM	1.025 V/m	0.9918 V/m	0.9653 V/m
560	06/30/2016 12:16:05 PM	1.028 V/m	0.9934 V/m	0.9624 V/m
561	06/30/2016 12:16:15 PM	1.056 V/m	1.002 V/m	0.9716 V/m
562	06/30/2016 12:16:25 PM	1.084 V/m	1.020 V/m	0.9337 V/m

563	06/30/2016 12:16:35 PM	1.081 V/m	1.001 V/m	0.9704 V/m
564	06/30/2016 12:16:45 PM	1.057 V/m	1.001 V/m	0.9696 V/m
565	06/30/2016 12:16:55 PM	1.078 V/m	1.010 V/m	0.9786 V/m
566	06/30/2016 12:17:05 PM	1.088 V/m	1.011 V/m	0.9716 V/m
567	06/30/2016 12:17:15 PM	1.045 V/m	0.9965 V/m	0.9730 V/m
568	06/30/2016 12:17:25 PM	1.087 V/m	1.004 V/m	0.9741 V/m
569	06/30/2016 12:17:35 PM	1.046 V/m	1.008 V/m	0.9800 V/m
570	06/30/2016 12:17:45 PM	1.085 V/m	1.006 V/m	0.9656 V/m
571	06/30/2016 12:17:55 PM	1.042 V/m	0.9800 V/m	0.9378 V/m
572	06/30/2016 12:18:05 PM	1.062 V/m	0.9939 V/m	0.9630 V/m
573	06/30/2016 12:18:15 PM	1.049 V/m	0.9743 V/m	0.9395 V/m
574	06/30/2016 12:18:25 PM	1.074 V/m	0.9893 V/m	0.9415 V/m
575	06/30/2016 12:18:35 PM	1.096 V/m	1.007 V/m	0.9693 V/m
576	06/30/2016 12:18:45 PM	1.073 V/m	0.9957 V/m	0.9593 V/m
577	06/30/2016 12:18:55 PM	1.084 V/m	1.016 V/m	0.9721 V/m
578	06/30/2016 12:19:05 PM	1.050 V/m	1.003 V/m	0.9596 V/m
579	06/30/2016 12:19:15 PM	1.068 V/m	1.023 V/m	0.9899 V/m
580	06/30/2016 12:19:25 PM	1.074 V/m	1.022 V/m	0.9870 V/m
581	06/30/2016 12:19:35 PM	1.105 V/m	1.018 V/m	0.9876 V/m
582	06/30/2016 12:19:45 PM	1.175 V/m	1.064 V/m	0.9832 V/m
583	06/30/2016 12:19:55 PM	1.145 V/m	1.023 V/m	0.9404 V/m
584	06/30/2016 12:20:05 PM	1.211 V/m	1.061 V/m	0.9887 V/m
585	06/30/2016 12:20:15 PM	1.087 V/m	1.038 V/m	1.006 V/m
586	06/30/2016 12:20:25 PM	1.182 V/m	1.043 V/m	0.9527 V/m
587	06/30/2016 12:20:35 PM	1.115 V/m	1.044 V/m	0.9951 V/m
588	06/30/2016 12:20:45 PM	1.259 V/m	1.063 V/m	1.000 V/m
589	06/30/2016 12:20:55 PM	1.104 V/m	1.036 V/m	0.9882 V/m
590	06/30/2016 12:21:05 PM	1.089 V/m	1.007 V/m	0.9730 V/m
591	06/30/2016 12:21:15 PM	1.122 V/m	1.030 V/m	0.9767 V/m
592	06/30/2016 12:21:25 PM	1.122 V/m	1.034 V/m	0.9837 V/m
593	06/30/2016 12:21:35 PM	1.147 V/m	1.044 V/m	0.9865 V/m
594	06/30/2016 12:21:45 PM	1.094 V/m	1.017 V/m	0.9870 V/m
595	06/30/2016 12:21:55 PM	1.199 V/m	1.061 V/m	0.9921 V/m
596	06/30/2016 12:22:05 PM	1.173 V/m	1.010 V/m	0.9587 V/m
597	06/30/2016 12:22:15 PM	1.063 V/m	1.010 V/m	0.9627 V/m
598	06/30/2016 12:22:25 PM	1.054 V/m	0.9980 V/m	0.9664 V/m
599	06/30/2016 12:22:35 PM	1.101 V/m	1.022 V/m	0.9859 V/m
600	06/30/2016 12:22:45 PM	1.066 V/m	1.014 V/m	0.9687 V/m
601	06/30/2016 12:22:55 PM	1.093 V/m	1.017 V/m	0.9789 V/m
602	06/30/2016 12:23:05 PM	1.092 V/m	1.013 V/m	0.9865 V/m
603	06/30/2016 12:23:15 PM	1.114 V/m	1.030 V/m	0.9954 V/m
604	06/30/2016 12:23:25 PM	1.148 V/m	1.049 V/m	1.009 V/m
605	06/30/2016 12:23:35 PM	1.110 V/m	1.053 V/m	1.005 V/m
606	06/30/2016 12:23:45 PM	1.118 V/m	1.027 V/m	0.9951 V/m
607	06/30/2016 12:23:55 PM	1.104 V/m	1.054 V/m	1.014 V/m
608	06/30/2016 12:24:05 PM	1.125 V/m	1.047 V/m	0.9963 V/m
609	06/30/2016 12:24:15 PM	1.099 V/m	1.024 V/m	0.9820 V/m
610	06/30/2016 12:24:25 PM	1.052 V/m	1.018 V/m	0.9769 V/m
611	06/30/2016 12:24:35 PM	1.031 V/m	1.011 V/m	0.9918 V/m
612	06/30/2016 12:24:45 PM	1.041 V/m	1.018 V/m	0.9882 V/m
613	06/30/2016 12:24:55 PM	1.056 V/m	1.024 V/m	1.003 V/m
614	06/30/2016 12:25:05 PM	1.093 V/m	1.036 V/m	0.9976 V/m
615	06/30/2016 12:25:15 PM	1.059 V/m	1.027 V/m	0.9929 V/m
616	06/30/2016 12:25:25 PM	1.088 V/m	1.026 V/m	0.9955 V/m
617	06/30/2016 12:25:35 PM	1.084 V/m	1.034 V/m	1.011 V/m
618	06/30/2016 12:25:45 PM	1.150 V/m	1.064 V/m	1.013 V/m
619	06/30/2016 12:25:55 PM	1.139 V/m	1.081 V/m	1.031 V/m
620	06/30/2016 12:26:05 PM	1.167 V/m	1.047 V/m	1.000 V/m
621	06/30/2016 12:26:15 PM	1.063 V/m	1.020 V/m	0.9957 V/m
622	06/30/2016 12:26:25 PM	1.100 V/m	1.029 V/m	0.9935 V/m
623	06/30/2016 12:26:35 PM	1.065 V/m	1.037 V/m	1.005 V/m
624	06/30/2016 12:26:45 PM	1.139 V/m	1.066 V/m	1.029 V/m
625	06/30/2016 12:26:55 PM	1.085 V/m	1.026 V/m	1.005 V/m

626	06/30/2016 12:27:05 PM	1.081 V/m	1.044 V/m	1.009 V/m
627	06/30/2016 12:27:15 PM	1.124 V/m	1.071 V/m	1.019 V/m
628	06/30/2016 12:27:25 PM	1.148 V/m	1.064 V/m	0.9973 V/m
629	06/30/2016 12:27:35 PM	1.163 V/m	1.056 V/m	1.004 V/m
630	06/30/2016 12:27:45 PM	1.073 V/m	1.035 V/m	0.9862 V/m
631	06/30/2016 12:27:55 PM	1.158 V/m	1.064 V/m	0.9934 V/m
632	06/30/2016 12:28:05 PM	1.146 V/m	1.067 V/m	0.9966 V/m
633	06/30/2016 12:28:15 PM	1.123 V/m	1.061 V/m	1.003 V/m
634	06/30/2016 12:28:25 PM	1.114 V/m	1.046 V/m	0.9926 V/m
635	06/30/2016 12:28:35 PM	1.162 V/m	1.050 V/m	0.9924 V/m
636	06/30/2016 12:28:45 PM	1.107 V/m	1.044 V/m	0.9912 V/m
637	06/30/2016 12:28:55 PM	1.102 V/m	1.047 V/m	0.9826 V/m
638	06/30/2016 12:29:05 PM	1.088 V/m	1.023 V/m	0.9755 V/m
639	06/30/2016 12:29:15 PM	1.194 V/m	1.056 V/m	0.9701 V/m
640	06/30/2016 12:29:25 PM	1.094 V/m	1.018 V/m	0.9684 V/m
641	06/30/2016 12:29:35 PM	1.087 V/m	1.043 V/m	0.9859 V/m
642	06/30/2016 12:29:45 PM	1.109 V/m	1.030 V/m	0.9727 V/m
643	06/30/2016 12:29:55 PM	1.109 V/m	1.028 V/m	0.9732 V/m
644	06/30/2016 12:30:05 PM	1.120 V/m	1.035 V/m	0.9670 V/m
645	06/30/2016 12:30:15 PM	1.066 V/m	1.024 V/m	0.9806 V/m
646	06/30/2016 12:30:25 PM	1.086 V/m	1.036 V/m	0.9656 V/m
647	06/30/2016 12:30:35 PM	1.078 V/m	1.041 V/m	0.9842 V/m
648	06/30/2016 12:30:45 PM	1.094 V/m	1.043 V/m	0.9823 V/m
649	06/30/2016 12:30:55 PM	1.087 V/m	1.010 V/m	0.9786 V/m
650	06/30/2016 12:31:05 PM	1.077 V/m	1.006 V/m	0.9741 V/m
651	06/30/2016 12:31:15 PM	1.066 V/m	1.004 V/m	0.9798 V/m
652	06/30/2016 12:31:25 PM	1.094 V/m	1.025 V/m	0.9921 V/m
653	06/30/2016 12:31:35 PM	1.127 V/m	1.047 V/m	1.001 V/m
654	06/30/2016 12:31:45 PM	1.063 V/m	1.018 V/m	0.9843 V/m
655	06/30/2016 12:31:55 PM	1.120 V/m	1.039 V/m	0.9918 V/m
656	06/30/2016 12:32:05 PM	1.121 V/m	1.076 V/m	1.008 V/m
657	06/30/2016 12:32:15 PM	1.115 V/m	1.058 V/m	0.9949 V/m
658	06/30/2016 12:32:25 PM	1.142 V/m	1.039 V/m	0.9937 V/m
659	06/30/2016 12:32:35 PM	1.133 V/m	1.073 V/m	1.006 V/m
660	06/30/2016 12:32:45 PM	1.153 V/m	1.056 V/m	0.9895 V/m
661	06/30/2016 12:32:55 PM	1.147 V/m	1.020 V/m	0.9738 V/m
662	06/30/2016 12:33:05 PM	1.090 V/m	1.017 V/m	0.9856 V/m
663	06/30/2016 12:33:15 PM	1.089 V/m	1.028 V/m	1.006 V/m
664	06/30/2016 12:33:25 PM	1.085 V/m	1.030 V/m	1.002 V/m
665	06/30/2016 12:33:35 PM	1.109 V/m	1.047 V/m	1.009 V/m
666	06/30/2016 12:33:45 PM	1.126 V/m	1.052 V/m	0.9968 V/m
667	06/30/2016 12:33:55 PM	1.119 V/m	1.044 V/m	0.9945 V/m
668	06/30/2016 12:34:05 PM	1.129 V/m	1.045 V/m	0.9946 V/m
669	06/30/2016 12:34:15 PM	1.157 V/m	1.043 V/m	0.9954 V/m
670	06/30/2016 12:34:25 PM	1.163 V/m	1.037 V/m	0.9874 V/m
671	06/30/2016 12:34:35 PM	1.119 V/m	1.055 V/m	0.9919 V/m
672	06/30/2016 12:34:45 PM	1.196 V/m	1.067 V/m	1.011 V/m
673	06/30/2016 12:34:55 PM	1.190 V/m	1.064 V/m	1.024 V/m
674	06/30/2016 12:35:05 PM	1.151 V/m	1.059 V/m	1.007 V/m
675	06/30/2016 12:35:15 PM	1.132 V/m	1.050 V/m	1.022 V/m
676	06/30/2016 12:35:25 PM	1.133 V/m	1.066 V/m	1.021 V/m
677	06/30/2016 12:35:35 PM	1.133 V/m	1.043 V/m	1.005 V/m
678	06/30/2016 12:35:45 PM	1.087 V/m	1.045 V/m	1.018 V/m
679	06/30/2016 12:35:55 PM	1.147 V/m	1.071 V/m	1.008 V/m
680	06/30/2016 12:36:05 PM	1.178 V/m	1.065 V/m	1.024 V/m
681	06/30/2016 12:36:15 PM	1.117 V/m	1.058 V/m	1.014 V/m
682	06/30/2016 12:36:25 PM	1.113 V/m	1.031 V/m	1.004 V/m
683	06/30/2016 12:36:35 PM	1.078 V/m	1.022 V/m	0.9910 V/m
684	06/30/2016 12:36:45 PM	1.118 V/m	1.039 V/m	1.000 V/m
685	06/30/2016 12:36:55 PM	1.124 V/m	1.041 V/m	0.9477 V/m
686	06/30/2016 12:37:05 PM	1.124 V/m	1.055 V/m	1.031 V/m
687	06/30/2016 12:37:15 PM	1.120 V/m	1.061 V/m	1.030 V/m
688	06/30/2016 12:37:25 PM	1.119 V/m	1.047 V/m	1.017 V/m

689	06/30/2016 12:37:35 PM	1.108 V/m	1.056 V/m	1.020 V/m
690	06/30/2016 12:37:45 PM	1.129 V/m	1.044 V/m	1.005 V/m
691	06/30/2016 12:37:55 PM	1.081 V/m	1.033 V/m	0.9570 V/m
692	06/30/2016 12:38:05 PM	1.120 V/m	1.035 V/m	1.000 V/m
693	06/30/2016 12:38:15 PM	1.214 V/m	1.054 V/m	1.001 V/m
694	06/30/2016 12:38:25 PM	1.104 V/m	1.041 V/m	1.011 V/m
695	06/30/2016 12:38:35 PM	1.096 V/m	1.033 V/m	1.003 V/m
696	06/30/2016 12:38:45 PM	1.185 V/m	1.063 V/m	1.011 V/m
697	06/30/2016 12:38:55 PM	1.163 V/m	1.066 V/m	1.027 V/m
698	06/30/2016 12:39:05 PM	1.160 V/m	1.065 V/m	1.040 V/m
699	06/30/2016 12:39:15 PM	1.144 V/m	1.069 V/m	1.034 V/m
700	06/30/2016 12:39:25 PM	1.142 V/m	1.059 V/m	1.019 V/m
701	06/30/2016 12:39:35 PM	1.114 V/m	1.046 V/m	1.024 V/m
702	06/30/2016 12:39:45 PM	1.119 V/m	1.065 V/m	1.041 V/m
703	06/30/2016 12:39:55 PM	1.308 V/m	1.074 V/m	1.011 V/m
704	06/30/2016 12:40:05 PM	1.186 V/m	1.053 V/m	1.002 V/m
705	06/30/2016 12:40:15 PM	1.167 V/m	1.037 V/m	0.9870 V/m
706	06/30/2016 12:40:25 PM	1.105 V/m	1.026 V/m	0.9862 V/m
707	06/30/2016 12:40:35 PM	1.119 V/m	1.031 V/m	1.000 V/m
708	06/30/2016 12:40:45 PM	1.164 V/m	1.050 V/m	1.007 V/m
709	06/30/2016 12:40:55 PM	1.118 V/m	1.041 V/m	1.001 V/m
710	06/30/2016 12:41:05 PM	1.115 V/m	1.044 V/m	1.014 V/m
711	06/30/2016 12:41:15 PM	1.122 V/m	1.076 V/m	1.010 V/m
712	06/30/2016 12:41:25 PM	1.237 V/m	1.072 V/m	0.9915 V/m
713	06/30/2016 12:41:35 PM	1.195 V/m	1.089 V/m	0.9995 V/m
714	06/30/2016 12:41:45 PM	1.188 V/m	1.079 V/m	0.9954 V/m
715	06/30/2016 12:41:55 PM	1.158 V/m	1.061 V/m	1.006 V/m
716	06/30/2016 12:42:05 PM	1.089 V/m	1.029 V/m	0.9904 V/m
717	06/30/2016 12:42:15 PM	1.103 V/m	1.017 V/m	0.9848 V/m
718	06/30/2016 12:42:25 PM	1.150 V/m	1.088 V/m	0.9948 V/m
719	06/30/2016 12:42:35 PM	1.174 V/m	1.113 V/m	1.088 V/m
720	06/30/2016 12:42:45 PM	1.164 V/m	1.105 V/m	0.9965 V/m

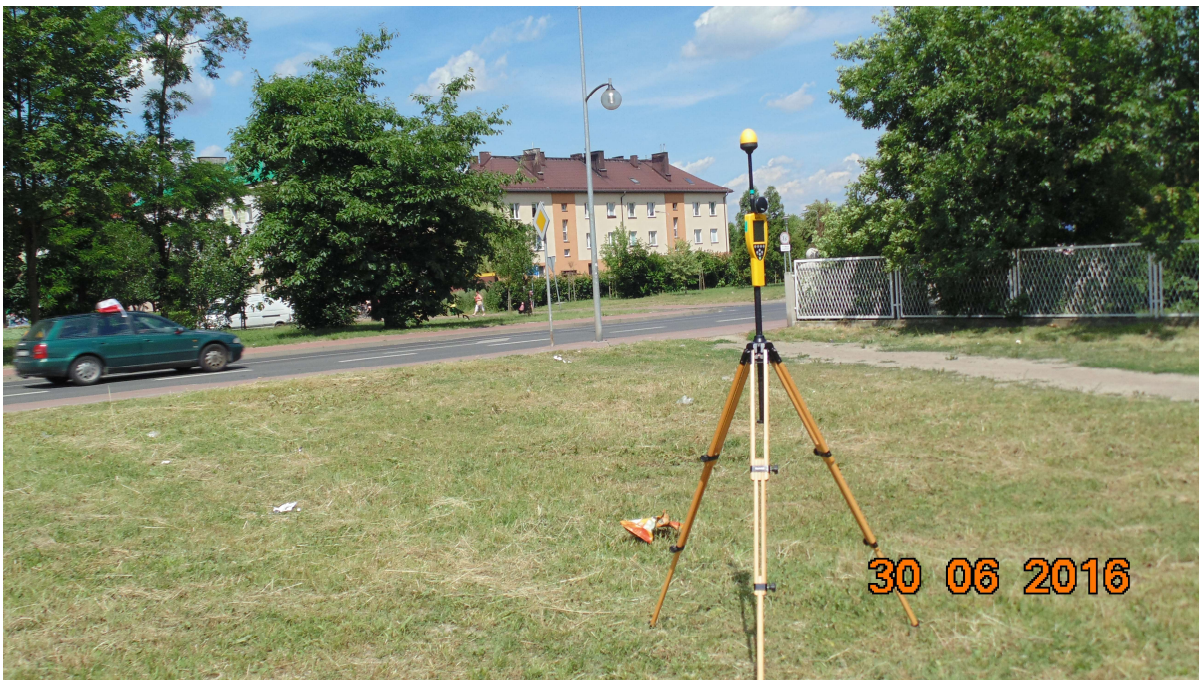
Graph


Marker: 11:39:15 AM
Limit: 7.000 V/m
Max: 1.160 V/m
Avg: 1.036 V/m
Min: 0.9845 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:42:45 AM
600s / Division
Period: 02:00:00
12:42:45 PM
06/30/2016

Parameters

Number of Sub Indices	720
Storing Date	06/30/2016
Storing Time	10:42:45 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:

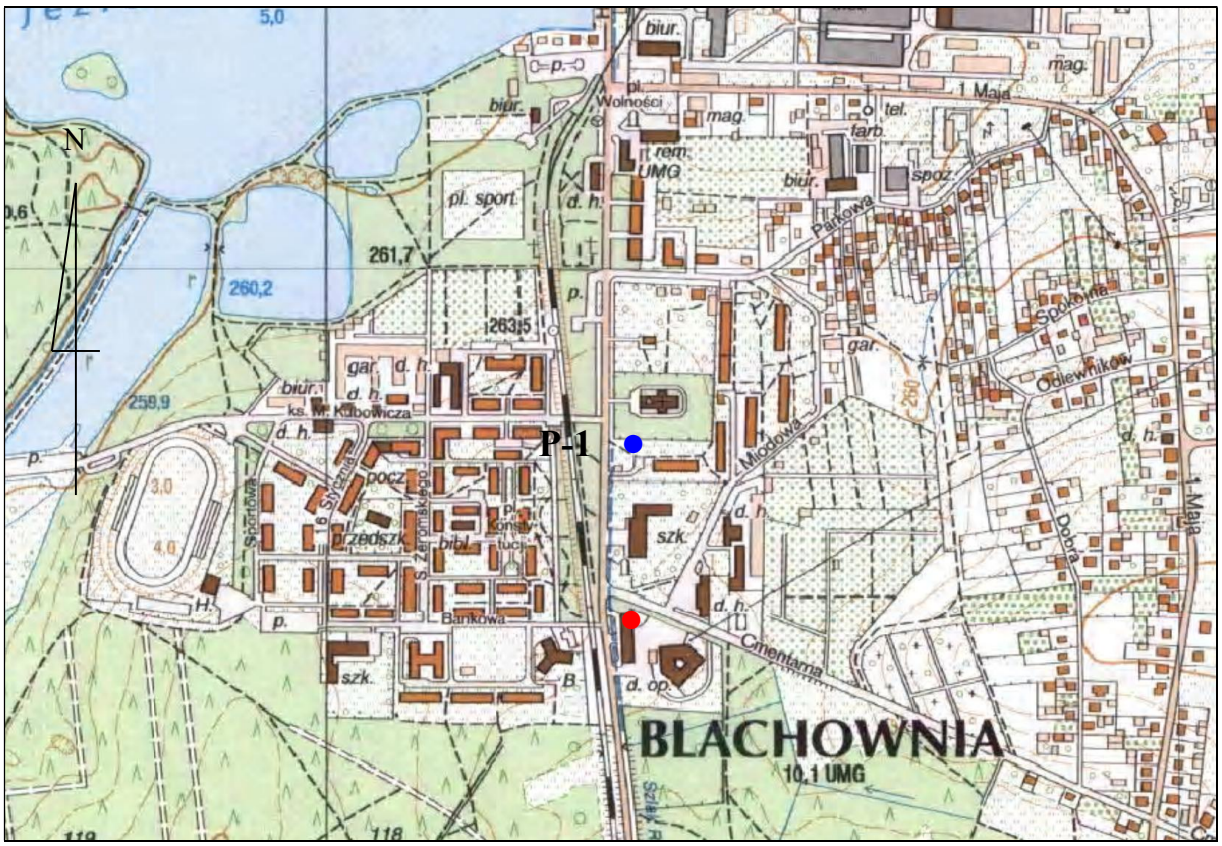


Fot. 1. Rejon badań, widok w kierunku północno-zachodnim

Fot. 2. Rejon badań, widok w kierunku wschodnim

Fot. 3. Fragment instalacji radiokomunikacyjnych przy ul. Sienkiewicza

Fot. 4. Przyrząd pomiarowy w trakcie prowadzonego badania



BLACHOWNIA

Oznaczenia:

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

Ryc. Szkic sytuacyjny rejonu badań.