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) 369-41-20
fax.: (34) 360-42-80
e-mail: czestochowa@katowice.pios.gov.pl

AB 480

SPRAWOZDANIE Z BADAŃ NR 1796/2018

Nr sprawy: LC.7071.62.2018
Porozumienie Nr: 1/2012

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

**Pomiary monitoringowe poziomów pól elektromagnetycznych
w przedziale częstotliwości
100 kHz – 3 GHz
(składowej elektrycznej E)
w środowisku,
wykonane dnia 28 sierpnia 2018 r.
na terenie zabudowy mieszkaniowej,
w SOSNOWCU
- Dzielnica Zagórze,
Sosnowiec,
Gmina Sosnowiec (miejska)
Powiat Sosnowiec (miejski)
(województwo śląskie)**

Wyniki badań dotyczą tylko badanego obiektu.

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

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

Wykonujący badania:

1. Agnieszka Turek – Specjalista	**--**
Osoba autoryzująca sprawozdanie:	**Tomasz Danecki – Główny specjalista** *Pieczęć i podpis*
Zatwierdził:	*Pieczęć i podpis*

Częstochowa, 27.12.2018

1. PODSTAWA BADAŃ

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

2. CEL BADAŃ

Celem badań jest określenie poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej* E) w środowisku, w miejscach dostępnych dla ludności, na terenie obszaru zabudowy mieszkaniowej wielorodzinnej, położonej w Dzielnicy Zagórze, w Sosnowcu, 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. 2018, Poz. 799, z późn. zm.) oraz art. 23 ust. 3 pkt 1 Ustawy z dnia 20 lipca 1991 r. o Inspekcji Ochrony Środowiska (Dz. U. 2016, Poz. 1688, z późn. zm.), w obszarze województwa śląskiego, 2018 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. 2018, Poz. 799, z późn. zm.) oraz art. 23 ust. 3 pkt 1 Ustawy z dnia 20 lipca 1991 r. o Inspekcji Ochrony Środowiska (Dz. U. 2016, Poz. 1688, z późn. zm.), w latach 2016 - 2020, w obszarze województwa śląskiego.
2015 r.

4. TEREN BADAŃ

Punkt pomiarowy P-2 poziomów pól elektromagnetycznych w środowisku zlokalizowano w granicach administracyjnych miasta Sosnowiec - Dzielnica Zagórze, na wysokości h: 2 m n.p.t. przy ul. Koszalińskiej. W sąsiedztwie punktu pomiarowego zagospodarowanie terenu stanowi wielokondygnacyjna zabudowa mieszkaniowa wielorodzinna oraz parkingi osiedlowe. Najbliższy budynek mieszkalny nr 52 - 60, znajduje się w kierunku zachodnim, w odległości 29 m od punktu pomiarowego. W dalszej odległości od punktu pomiarowego P-2, w kierunku południowym i wschodnim, zlokalizowane są obiekty przemysłowo-handlowe oraz tereny zieleni miejskiej.
W promieniu $d \leq 300$ m od punktu pomiarowego nie znajdują się żadne instalacje radiokomunikacyjne, radiolokacyjne, radionawigacyjne, emitujące pola elektromagnetyczne do środowiska.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

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

Nomenklatura jednostki terytorialnej (KTS):

Sosnowiec 10012415075011

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

N 50°16'60.0";
E 19°11'26.6";

Wysokość lokalizacji punktu pomiarowego:

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

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

l = 29 [m] - od elewacji budynku mieszkalnego wielorodzinnego przy ul. Koszalińskiej 52-60

Lokalizacja punktu pomiarowego – pas zieleni pomiędzy parkingiem samochodowym, a budynkiem mieszkalnym nr 52-60.

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;

Oznaczenia pozycji geograficznych lokalizacji pionów pomiarowych pól elektromagnetycznych w środowisku dokonano z zastosowaniem przyrządu nawigacji satelitarnej GPS, typu GPSmap 76 Garmin InT. Inc. USA, P/549, nr seryjny 80517206;

Szczegółowe dane identyfikacyjne przyrządów przedstawiono w tabeli 1.

Tabela 1

Pomiary poziomów pól elektromagnetycznych częstotliwości 100 kHz – 3 GHz (składowej *elektrycznej*) w środowisku		**Pomiary warunków meteorologicznych w środowisku**	
Przyrząd	Typ: Broadband Field Meter	Przyrząd	Typ: KESTREL 5500 s. no.: 2131640

<table>
<tr><td>pomiarowy

Sonda pomiarowa</td><td>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>pomiarowy</td><td>Producent: Nielsen - Kellerman Co., USA</td></tr>
<tr><td rowspan="3">Data i czasokres pomiarów</td><td rowspan="3">28-08-2018 r.
10:13:57–12:13:57</td><td colspan="2">Wyniki pomiarów:</td></tr>
<tr><td>T [°C]</td><td>22,4 – 23,8</td></tr>
<tr><td>RH [%]</td><td>45,0 – 47,8</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 [%].

▪ 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, Probe EF6091, *E-Field*, P/N 2402/04, S/N 01066;

- Świadectwo Wzorcowania nr: LWiMP/W/154/18 z dnia 03 lipca 2018 r., wydane przez Laboratorium Wzorców i Metrologii Pola Elektromagnetycznego (LWiMP) Instytutu Telekomunikacji, Teleinformatyki i Akustyki, Politechniki Wrocławskiej (AP 078);

▪ Tester miernika i sond pola elektromagnetycznego, UTEST-7, Nr 04/11:

- *Świadectwo Pomiaru nr:* LWiMP/P/051/18 z dnia 03 lipca 2018 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,
- 1761/165/LA/TH/2016 z dnia 23 maja 2016 r. - termohigrometr,

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

- 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);

▪ Przymiar wstęgowy końcowo - kreskowy, długości nominalnej 30m, prod. *Richter*, oznaczony numerem 6/14 – *Świadectwo Wzorcowania nr:* 1067.1-M11-4180-450/14, wydane przez Główny Urząd Miar, Zakład Długości i Kąta w Warszawie, Warszawa, dnia 29 kwietnia 2014 r.;

▪ Dalmierz laserowy, typ Leica *Disto D3a*, S/N 804530034 - *Świadectwo Wzorcowania nr: 1832.1-M11-4180-669/15* wydane przez Główny Urząd Miar, Zakład Długości i Kąta w Warszawie, Warszawa, dnia 12 maja 2015 r.;

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*)

Nie dotyczy. W promieniu d $\leq$ 300 m od P-2, nie są zlokalizowane żadne instalacje radiokomunikacyjne, radiolokacyjne, radionawigacyjne, emitujące pola elektromagnetyczne do środowiska.

8. WYNIKI BADAŃ

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

Tabela 2

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 ul. Koszalińska Dzielnica - Zagórze Miasto – Sosnowiec	1,60	± 0,42

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 w Katowicach;
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 05/15/2020	Calibration Due Date 05/16/2020	

Site	Coordinates
P-2, ul. Koszalińska, Sosnowiec, Dzielnica – Zagórze, Gmina Sosnowiec (miejska), Powiat Sosnowiec (miejski) (województwo śląskie)	Latitude: 50°16'60.0" N Longitude: 19°11'26.6" E

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 28.08.2018 r., Sosnowiec, Gmina Sosnowiec (miejska) (woj. śląskie); Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia max elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 02.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2018 rok.

Measured Values

Zoomed
Timer: Start Time 10:13:57 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	08/28/2018 10:14:07 AM		1.761 V/m	1.625 V/m	1.493 V/m
2	08/28/2018 10:14:17 AM		1.739 V/m	1.650 V/m	1.512 V/m
3	08/28/2018 10:14:27 AM		1.804 V/m	1.606 V/m	1.437 V/m
4	08/28/2018 10:14:37 AM		1.752 V/m	1.644 V/m	1.543 V/m
5	08/28/2018 10:14:47 AM		1.775 V/m	1.659 V/m	1.515 V/m
6	08/28/2018 10:14:57 AM		1.811 V/m	1.658 V/m	1.531 V/m
7	08/28/2018 10:15:07 AM		1.817 V/m	1.651 V/m	1.478 V/m
8	08/28/2018 10:15:17 AM		1.844 V/m	1.669 V/m	1.549 V/m
9	08/28/2018 10:15:27 AM		1.849 V/m	1.663 V/m	1.504 V/m
10	08/28/2018 10:15:37 AM		1.758 V/m	1.602 V/m	1.458 V/m
11	08/28/2018 10:15:47 AM		1.758 V/m	1.578 V/m	1.443 V/m
12	08/28/2018 10:15:57 AM		1.774 V/m	1.639 V/m	1.514 V/m
13	08/28/2018 10:16:07 AM		1.816 V/m	1.711 V/m	1.596 V/m
14	08/28/2018 10:16:17 AM		1.838 V/m	1.683 V/m	1.601 V/m
15	08/28/2018 10:16:27 AM		1.754 V/m	1.672 V/m	1.547 V/m
16	08/28/2018 10:16:37 AM		1.675 V/m	1.559 V/m	1.407 V/m
17	08/28/2018 10:16:47 AM		1.739 V/m	1.576 V/m	1.418 V/m
18	08/28/2018 10:16:57 AM		1.697 V/m	1.583 V/m	1.483 V/m
19	08/28/2018 10:17:07 AM		1.824 V/m	1.637 V/m	1.491 V/m
20	08/28/2018 10:17:17 AM		1.783 V/m	1.653 V/m	1.472 V/m
21	08/28/2018 10:17:27 AM		1.651 V/m	1.536 V/m	1.423 V/m
22	08/28/2018 10:17:37 AM		1.703 V/m	1.488 V/m	1.357 V/m
23	08/28/2018 10:17:47 AM		1.754 V/m	1.573 V/m	1.420 V/m
24	08/28/2018 10:17:57 AM		1.701 V/m	1.590 V/m	1.433 V/m
25	08/28/2018 10:18:07 AM		1.679 V/m	1.534 V/m	1.419 V/m
26	08/28/2018 10:18:17 AM		1.687 V/m	1.555 V/m	1.417 V/m
27	08/28/2018 10:18:27 AM		1.775 V/m	1.632 V/m	1.512 V/m
28	08/28/2018 10:18:37 AM		1.730 V/m	1.563 V/m	1.421 V/m
29	08/28/2018 10:18:47 AM		1.711 V/m	1.553 V/m	1.440 V/m
30	08/28/2018 10:18:57 AM		1.730 V/m	1.591 V/m	1.513 V/m
31	08/28/2018 10:19:07 AM		1.831 V/m	1.656 V/m	1.556 V/m
32	08/28/2018 10:19:17 AM		1.719 V/m	1.568 V/m	1.488 V/m
33	08/28/2018 10:19:27 AM		1.684 V/m	1.583 V/m	1.453 V/m
34	08/28/2018 10:19:37 AM		1.839 V/m	1.723 V/m	1.540 V/m
35	08/28/2018 10:19:47 AM		1.805 V/m	1.733 V/m	1.661 V/m
36	08/28/2018 10:19:57 AM		1.827 V/m	1.698 V/m	1.581 V/m
37	08/28/2018 10:20:07 AM		1.852 V/m	1.693 V/m	1.587 V/m
38	08/28/2018 10:20:17 AM		1.778 V/m	1.700 V/m	1.633 V/m
39	08/28/2018 10:20:27 AM		1.926 V/m	1.810 V/m	1.715 V/m
40	08/28/2018 10:20:37 AM		1.947 V/m	1.831 V/m	1.668 V/m
41	08/28/2018 10:20:47 AM		1.774 V/m	1.705 V/m	1.588 V/m
42	08/28/2018 10:20:57 AM		1.814 V/m	1.687 V/m	1.530 V/m
43	08/28/2018 10:21:07 AM		1.877 V/m	1.752 V/m	1.628 V/m
44	08/28/2018 10:21:17 AM		1.878 V/m	1.738 V/m	1.584 V/m
45	08/28/2018 10:21:27 AM		1.792 V/m	1.689 V/m	1.566 V/m
46	08/28/2018 10:21:37 AM		1.753 V/m	1.610 V/m	1.484 V/m
47	08/28/2018 10:21:47 AM		1.780 V/m	1.666 V/m	1.595 V/m
48	08/28/2018 10:21:57 AM		1.866 V/m	1.749 V/m	1.571 V/m
49	08/28/2018 10:22:07 AM		1.783 V/m	1.644 V/m	1.543 V/m
50	08/28/2018 10:22:17 AM		1.747 V/m	1.593 V/m	1.486 V/m
51	08/28/2018 10:22:27 AM		1.858 V/m	1.682 V/m	1.521 V/m
52	08/28/2018 10:22:37 AM		1.810 V/m	1.614 V/m	1.439 V/m
53	08/28/2018 10:22:47 AM		1.633 V/m	1.563 V/m	1.474 V/m
54	08/28/2018 10:22:57 AM		1.673 V/m	1.532 V/m	1.436 V/m
55	08/28/2018 10:23:07 AM		1.621 V/m	1.515 V/m	1.412 V/m
56	08/28/2018 10:23:17 AM		1.689 V/m	1.563 V/m	1.411 V/m

57	08/28/2018 10:23:27 AM	1.867 V/m	1.636 V/m	1.495 V/m
58	08/28/2018 10:23:37 AM	1.807 V/m	1.619 V/m	1.442 V/m
59	08/28/2018 10:23:47 AM	1.655 V/m	1.547 V/m	1.448 V/m
60	08/28/2018 10:23:57 AM	1.740 V/m	1.582 V/m	1.430 V/m
61	08/28/2018 10:24:07 AM	1.705 V/m	1.579 V/m	1.456 V/m
62	08/28/2018 10:24:17 AM	1.715 V/m	1.591 V/m	1.445 V/m
63	08/28/2018 10:24:27 AM	1.859 V/m	1.706 V/m	1.564 V/m
64	08/28/2018 10:24:37 AM	1.702 V/m	1.616 V/m	1.520 V/m
65	08/28/2018 10:24:47 AM	1.737 V/m	1.602 V/m	1.475 V/m
66	08/28/2018 10:24:57 AM	1.691 V/m	1.589 V/m	1.459 V/m
67	08/28/2018 10:25:07 AM	1.797 V/m	1.657 V/m	1.494 V/m
68	08/28/2018 10:25:17 AM	1.676 V/m	1.554 V/m	1.468 V/m
69	08/28/2018 10:25:27 AM	1.696 V/m	1.592 V/m	1.478 V/m
70	08/28/2018 10:25:37 AM	1.688 V/m	1.578 V/m	1.469 V/m
71	08/28/2018 10:25:47 AM	1.701 V/m	1.600 V/m	1.460 V/m
72	08/28/2018 10:25:57 AM	1.721 V/m	1.583 V/m	1.478 V/m
73	08/28/2018 10:26:07 AM	1.683 V/m	1.579 V/m	1.495 V/m
74	08/28/2018 10:26:17 AM	1.719 V/m	1.603 V/m	1.522 V/m
75	08/28/2018 10:26:27 AM	1.670 V/m	1.564 V/m	1.450 V/m
76	08/28/2018 10:26:37 AM	1.712 V/m	1.544 V/m	1.437 V/m
77	08/28/2018 10:26:47 AM	1.765 V/m	1.626 V/m	1.526 V/m
78	08/28/2018 10:26:57 AM	1.712 V/m	1.628 V/m	1.494 V/m
79	08/28/2018 10:27:07 AM	1.710 V/m	1.645 V/m	1.555 V/m
80	08/28/2018 10:27:17 AM	1.675 V/m	1.579 V/m	1.414 V/m
81	08/28/2018 10:27:27 AM	1.643 V/m	1.542 V/m	1.429 V/m
82	08/28/2018 10:27:37 AM	1.721 V/m	1.582 V/m	1.507 V/m
83	08/28/2018 10:27:47 AM	1.602 V/m	1.519 V/m	1.419 V/m
84	08/28/2018 10:27:57 AM	1.736 V/m	1.543 V/m	1.443 V/m
85	08/28/2018 10:28:07 AM	1.648 V/m	1.548 V/m	1.472 V/m
86	08/28/2018 10:28:17 AM	1.710 V/m	1.545 V/m	1.419 V/m
87	08/28/2018 10:28:27 AM	1.583 V/m	1.496 V/m	1.387 V/m
88	08/28/2018 10:28:37 AM	1.595 V/m	1.469 V/m	1.391 V/m
89	08/28/2018 10:28:47 AM	1.702 V/m	1.502 V/m	1.366 V/m
90	08/28/2018 10:28:57 AM	1.616 V/m	1.461 V/m	1.380 V/m
91	08/28/2018 10:29:07 AM	1.585 V/m	1.496 V/m	1.392 V/m
92	08/28/2018 10:29:17 AM	1.711 V/m	1.581 V/m	1.432 V/m
93	08/28/2018 10:29:27 AM	1.587 V/m	1.490 V/m	1.338 V/m
94	08/28/2018 10:29:37 AM	1.677 V/m	1.584 V/m	1.463 V/m
95	08/28/2018 10:29:47 AM	1.774 V/m	1.622 V/m	1.501 V/m
96	08/28/2018 10:29:57 AM	1.669 V/m	1.516 V/m	1.424 V/m
97	08/28/2018 10:30:07 AM	1.720 V/m	1.597 V/m	1.495 V/m
98	08/28/2018 10:30:17 AM	1.719 V/m	1.597 V/m	1.491 V/m
99	08/28/2018 10:30:27 AM	1.677 V/m	1.587 V/m	1.500 V/m
100	08/28/2018 10:30:37 AM	1.726 V/m	1.591 V/m	1.470 V/m
101	08/28/2018 10:30:47 AM	1.664 V/m	1.567 V/m	1.466 V/m
102	08/28/2018 10:30:57 AM	1.633 V/m	1.500 V/m	1.404 V/m
103	08/28/2018 10:31:07 AM	1.653 V/m	1.538 V/m	1.435 V/m
104	08/28/2018 10:31:17 AM	1.627 V/m	1.481 V/m	1.345 V/m
105	08/28/2018 10:31:27 AM	1.608 V/m	1.517 V/m	1.425 V/m
106	08/28/2018 10:31:37 AM	1.608 V/m	1.488 V/m	1.352 V/m
107	08/28/2018 10:31:47 AM	1.620 V/m	1.527 V/m	1.442 V/m
108	08/28/2018 10:31:57 AM	1.672 V/m	1.568 V/m	1.494 V/m
109	08/28/2018 10:32:07 AM	1.709 V/m	1.584 V/m	1.505 V/m
110	08/28/2018 10:32:17 AM	1.620 V/m	1.491 V/m	1.385 V/m
111	08/28/2018 10:32:27 AM	1.795 V/m	1.594 V/m	1.446 V/m
112	08/28/2018 10:32:37 AM	1.826 V/m	1.664 V/m	1.485 V/m
113	08/28/2018 10:32:47 AM	1.781 V/m	1.661 V/m	1.520 V/m
114	08/28/2018 10:32:57 AM	1.721 V/m	1.616 V/m	1.501 V/m
115	08/28/2018 10:33:07 AM	1.801 V/m	1.656 V/m	1.449 V/m
116	08/28/2018 10:33:17 AM	1.767 V/m	1.636 V/m	1.540 V/m
117	08/28/2018 10:33:27 AM	1.651 V/m	1.531 V/m	1.433 V/m
118	08/28/2018 10:33:37 AM	1.613 V/m	1.530 V/m	1.421 V/m
119	08/28/2018 10:33:47 AM	1.755 V/m	1.574 V/m	1.425 V/m

120	08/28/2018 10:33:57 AM	1.657 V/m	1.527 V/m	1.390 V/m
121	08/28/2018 10:34:07 AM	1.680 V/m	1.493 V/m	1.361 V/m
122	08/28/2018 10:34:17 AM	1.716 V/m	1.510 V/m	1.403 V/m
123	08/28/2018 10:34:27 AM	1.686 V/m	1.505 V/m	1.388 V/m
124	08/28/2018 10:34:37 AM	1.654 V/m	1.537 V/m	1.426 V/m
125	08/28/2018 10:34:47 AM	1.731 V/m	1.618 V/m	1.524 V/m
126	08/28/2018 10:34:57 AM	1.704 V/m	1.567 V/m	1.417 V/m
127	08/28/2018 10:35:07 AM	1.708 V/m	1.602 V/m	1.504 V/m
128	08/28/2018 10:35:17 AM	1.686 V/m	1.545 V/m	1.438 V/m
129	08/28/2018 10:35:27 AM	1.646 V/m	1.520 V/m	1.433 V/m
130	08/28/2018 10:35:37 AM	1.666 V/m	1.568 V/m	1.457 V/m
131	08/28/2018 10:35:47 AM	1.788 V/m	1.607 V/m	1.482 V/m
132	08/28/2018 10:35:57 AM	1.802 V/m	1.629 V/m	1.494 V/m
133	08/28/2018 10:36:07 AM	1.748 V/m	1.634 V/m	1.490 V/m
134	08/28/2018 10:36:17 AM	1.693 V/m	1.554 V/m	1.443 V/m
135	08/28/2018 10:36:27 AM	1.713 V/m	1.591 V/m	1.458 V/m
136	08/28/2018 10:36:37 AM	1.586 V/m	1.489 V/m	1.377 V/m
137	08/28/2018 10:36:47 AM	1.657 V/m	1.497 V/m	1.386 V/m
138	08/28/2018 10:36:57 AM	1.694 V/m	1.587 V/m	1.407 V/m
139	08/28/2018 10:37:07 AM	1.805 V/m	1.613 V/m	1.454 V/m
140	08/28/2018 10:37:17 AM	1.767 V/m	1.630 V/m	1.456 V/m
141	08/28/2018 10:37:27 AM	1.702 V/m	1.539 V/m	1.426 V/m
142	08/28/2018 10:37:37 AM	1.744 V/m	1.517 V/m	1.375 V/m
143	08/28/2018 10:37:47 AM	1.764 V/m	1.565 V/m	1.396 V/m
144	08/28/2018 10:37:57 AM	1.726 V/m	1.539 V/m	1.418 V/m
145	08/28/2018 10:38:07 AM	1.691 V/m	1.560 V/m	1.410 V/m
146	08/28/2018 10:38:17 AM	1.706 V/m	1.549 V/m	1.434 V/m
147	08/28/2018 10:38:27 AM	1.684 V/m	1.522 V/m	1.355 V/m
148	08/28/2018 10:38:37 AM	1.739 V/m	1.547 V/m	1.432 V/m
149	08/28/2018 10:38:47 AM	1.726 V/m	1.526 V/m	1.384 V/m
150	08/28/2018 10:38:57 AM	1.678 V/m	1.557 V/m	1.416 V/m
151	08/28/2018 10:39:07 AM	1.602 V/m	1.508 V/m	1.405 V/m
152	08/28/2018 10:39:17 AM	1.736 V/m	1.528 V/m	1.417 V/m
153	08/28/2018 10:39:27 AM	1.597 V/m	1.486 V/m	1.384 V/m
154	08/28/2018 10:39:37 AM	1.741 V/m	1.521 V/m	1.372 V/m
155	08/28/2018 10:39:47 AM	1.817 V/m	1.581 V/m	1.442 V/m
156	08/28/2018 10:39:57 AM	1.660 V/m	1.528 V/m	1.424 V/m
157	08/28/2018 10:40:07 AM	1.628 V/m	1.516 V/m	1.380 V/m
158	08/28/2018 10:40:17 AM	1.615 V/m	1.494 V/m	1.378 V/m
159	08/28/2018 10:40:27 AM	1.697 V/m	1.559 V/m	1.412 V/m
160	08/28/2018 10:40:37 AM	1.590 V/m	1.476 V/m	1.380 V/m
161	08/28/2018 10:40:47 AM	1.775 V/m	1.549 V/m	1.367 V/m
162	08/28/2018 10:40:57 AM	1.849 V/m	1.572 V/m	1.385 V/m
163	08/28/2018 10:41:07 AM	1.694 V/m	1.565 V/m	1.407 V/m
164	08/28/2018 10:41:17 AM	1.851 V/m	1.622 V/m	1.462 V/m
165	08/28/2018 10:41:27 AM	1.798 V/m	1.628 V/m	1.457 V/m
166	08/28/2018 10:41:37 AM	1.707 V/m	1.514 V/m	1.417 V/m
167	08/28/2018 10:41:47 AM	1.620 V/m	1.509 V/m	1.367 V/m
168	08/28/2018 10:41:57 AM	1.656 V/m	1.545 V/m	1.418 V/m
169	08/28/2018 10:42:07 AM	1.730 V/m	1.602 V/m	1.442 V/m
170	08/28/2018 10:42:17 AM	1.765 V/m	1.642 V/m	1.500 V/m
171	08/28/2018 10:42:27 AM	1.717 V/m	1.553 V/m	1.409 V/m
172	08/28/2018 10:42:37 AM	1.641 V/m	1.543 V/m	1.429 V/m
173	08/28/2018 10:42:47 AM	1.675 V/m	1.573 V/m	1.477 V/m
174	08/28/2018 10:42:57 AM	1.652 V/m	1.538 V/m	1.452 V/m
175	08/28/2018 10:43:07 AM	1.700 V/m	1.500 V/m	1.370 V/m
176	08/28/2018 10:43:17 AM	1.640 V/m	1.523 V/m	1.390 V/m
177	08/28/2018 10:43:27 AM	1.745 V/m	1.570 V/m	1.460 V/m
178	08/28/2018 10:43:37 AM	1.755 V/m	1.514 V/m	1.406 V/m
179	08/28/2018 10:43:47 AM	1.662 V/m	1.485 V/m	1.365 V/m
180	08/28/2018 10:43:57 AM	1.584 V/m	1.472 V/m	1.399 V/m
181	08/28/2018 10:44:07 AM	1.639 V/m	1.542 V/m	1.416 V/m
182	08/28/2018 10:44:17 AM	1.609 V/m	1.494 V/m	1.393 V/m

183	08/28/2018 10:44:27 AM	1.714 V/m	1.598 V/m	1.409 V/m
184	08/28/2018 10:44:37 AM	1.754 V/m	1.562 V/m	1.411 V/m
185	08/28/2018 10:44:47 AM	1.673 V/m	1.499 V/m	1.364 V/m
186	08/28/2018 10:44:57 AM	1.654 V/m	1.515 V/m	1.397 V/m
187	08/28/2018 10:45:07 AM	1.629 V/m	1.506 V/m	1.416 V/m
188	08/28/2018 10:45:17 AM	1.681 V/m	1.541 V/m	1.384 V/m
189	08/28/2018 10:45:27 AM	1.653 V/m	1.538 V/m	1.409 V/m
190	08/28/2018 10:45:37 AM	1.597 V/m	1.500 V/m	1.406 V/m
191	08/28/2018 10:45:47 AM	1.641 V/m	1.504 V/m	1.409 V/m
192	08/28/2018 10:45:57 AM	1.638 V/m	1.503 V/m	1.405 V/m
193	08/28/2018 10:46:07 AM	1.606 V/m	1.479 V/m	1.346 V/m
194	08/28/2018 10:46:17 AM	1.628 V/m	1.504 V/m	1.389 V/m
195	08/28/2018 10:46:27 AM	1.646 V/m	1.470 V/m	1.367 V/m
196	08/28/2018 10:46:37 AM	1.699 V/m	1.521 V/m	1.381 V/m
197	08/28/2018 10:46:47 AM	1.695 V/m	1.568 V/m	1.434 V/m
198	08/28/2018 10:46:57 AM	1.706 V/m	1.594 V/m	1.490 V/m
199	08/28/2018 10:47:07 AM	1.613 V/m	1.484 V/m	1.377 V/m
200	08/28/2018 10:47:17 AM	1.661 V/m	1.581 V/m	1.455 V/m
201	08/28/2018 10:47:27 AM	1.703 V/m	1.559 V/m	1.459 V/m
202	08/28/2018 10:47:37 AM	1.605 V/m	1.500 V/m	1.409 V/m
203	08/28/2018 10:47:47 AM	1.590 V/m	1.467 V/m	1.366 V/m
204	08/28/2018 10:47:57 AM	1.555 V/m	1.457 V/m	1.370 V/m
205	08/28/2018 10:48:07 AM	1.641 V/m	1.525 V/m	1.404 V/m
206	08/28/2018 10:48:17 AM	1.571 V/m	1.478 V/m	1.414 V/m
207	08/28/2018 10:48:27 AM	1.586 V/m	1.495 V/m	1.401 V/m
208	08/28/2018 10:48:37 AM	1.693 V/m	1.544 V/m	1.454 V/m
209	08/28/2018 10:48:47 AM	1.727 V/m	1.554 V/m	1.409 V/m
210	08/28/2018 10:48:57 AM	1.577 V/m	1.474 V/m	1.367 V/m
211	08/28/2018 10:49:07 AM	1.639 V/m	1.505 V/m	1.395 V/m
212	08/28/2018 10:49:17 AM	1.708 V/m	1.550 V/m	1.444 V/m
213	08/28/2018 10:49:27 AM	1.596 V/m	1.502 V/m	1.422 V/m
214	08/28/2018 10:49:37 AM	1.708 V/m	1.585 V/m	1.444 V/m
215	08/28/2018 10:49:47 AM	1.701 V/m	1.576 V/m	1.450 V/m
216	08/28/2018 10:49:57 AM	1.724 V/m	1.556 V/m	1.392 V/m
217	08/28/2018 10:50:07 AM	1.813 V/m	1.532 V/m	1.380 V/m
218	08/28/2018 10:50:17 AM	1.621 V/m	1.481 V/m	1.395 V/m
219	08/28/2018 10:50:27 AM	1.754 V/m	1.475 V/m	1.316 V/m
220	08/28/2018 10:50:37 AM	1.576 V/m	1.477 V/m	1.363 V/m
221	08/28/2018 10:50:47 AM	1.607 V/m	1.477 V/m	1.389 V/m
222	08/28/2018 10:50:57 AM	1.615 V/m	1.523 V/m	1.433 V/m
223	08/28/2018 10:51:07 AM	1.590 V/m	1.484 V/m	1.374 V/m
224	08/28/2018 10:51:17 AM	1.665 V/m	1.499 V/m	1.386 V/m
225	08/28/2018 10:51:27 AM	1.620 V/m	1.489 V/m	1.389 V/m
226	08/28/2018 10:51:37 AM	1.740 V/m	1.548 V/m	1.434 V/m
227	08/28/2018 10:51:47 AM	1.644 V/m	1.513 V/m	1.375 V/m
228	08/28/2018 10:51:57 AM	1.705 V/m	1.508 V/m	1.346 V/m
229	08/28/2018 10:52:07 AM	1.598 V/m	1.510 V/m	1.378 V/m
230	08/28/2018 10:52:17 AM	1.598 V/m	1.476 V/m	1.401 V/m
231	08/28/2018 10:52:27 AM	1.583 V/m	1.460 V/m	1.339 V/m
232	08/28/2018 10:52:37 AM	1.630 V/m	1.500 V/m	1.366 V/m
233	08/28/2018 10:52:47 AM	1.729 V/m	1.634 V/m	1.486 V/m
234	08/28/2018 10:52:57 AM	1.840 V/m	1.577 V/m	1.431 V/m
235	08/28/2018 10:53:07 AM	1.635 V/m	1.544 V/m	1.466 V/m
236	08/28/2018 10:53:17 AM	1.635 V/m	1.536 V/m	1.417 V/m
237	08/28/2018 10:53:27 AM	1.650 V/m	1.536 V/m	1.389 V/m
238	08/28/2018 10:53:37 AM	1.729 V/m	1.610 V/m	1.479 V/m
239	08/28/2018 10:53:47 AM	1.647 V/m	1.539 V/m	1.460 V/m
240	08/28/2018 10:53:57 AM	1.689 V/m	1.613 V/m	1.507 V/m
241	08/28/2018 10:54:07 AM	1.722 V/m	1.632 V/m	1.564 V/m
242	08/28/2018 10:54:17 AM	1.730 V/m	1.665 V/m	1.595 V/m
243	08/28/2018 10:54:27 AM	1.737 V/m	1.662 V/m	1.533 V/m
244	08/28/2018 10:54:37 AM	1.778 V/m	1.690 V/m	1.537 V/m
245	08/28/2018 10:54:47 AM	1.716 V/m	1.608 V/m	1.493 V/m

246	08/28/2018 10:54:57 AM	1.683 V/m	1.597 V/m	1.484 V/m
247	08/28/2018 10:55:07 AM	1.721 V/m	1.621 V/m	1.530 V/m
248	08/28/2018 10:55:17 AM	1.744 V/m	1.637 V/m	1.557 V/m
249	08/28/2018 10:55:27 AM	1.649 V/m	1.595 V/m	1.552 V/m
250	08/28/2018 10:55:37 AM	1.677 V/m	1.589 V/m	1.452 V/m
251	08/28/2018 10:55:47 AM	1.779 V/m	1.600 V/m	1.421 V/m
252	08/28/2018 10:55:57 AM	1.766 V/m	1.664 V/m	1.600 V/m
253	08/28/2018 10:56:07 AM	1.903 V/m	1.690 V/m	1.587 V/m
254	08/28/2018 10:56:17 AM	1.799 V/m	1.643 V/m	1.525 V/m
255	08/28/2018 10:56:27 AM	1.781 V/m	1.661 V/m	1.528 V/m
256	08/28/2018 10:56:37 AM	1.768 V/m	1.716 V/m	1.572 V/m
257	08/28/2018 10:56:47 AM	1.747 V/m	1.606 V/m	1.488 V/m
258	08/28/2018 10:56:57 AM	1.674 V/m	1.528 V/m	1.423 V/m
259	08/28/2018 10:57:07 AM	1.779 V/m	1.625 V/m	1.515 V/m
260	08/28/2018 10:57:17 AM	1.773 V/m	1.585 V/m	1.451 V/m
261	08/28/2018 10:57:27 AM	1.708 V/m	1.564 V/m	1.458 V/m
262	08/28/2018 10:57:37 AM	1.785 V/m	1.576 V/m	1.419 V/m
263	08/28/2018 10:57:47 AM	1.754 V/m	1.635 V/m	1.489 V/m
264	08/28/2018 10:57:57 AM	1.740 V/m	1.603 V/m	1.443 V/m
265	08/28/2018 10:58:07 AM	1.711 V/m	1.557 V/m	1.419 V/m
266	08/28/2018 10:58:17 AM	1.720 V/m	1.635 V/m	1.544 V/m
267	08/28/2018 10:58:27 AM	1.728 V/m	1.646 V/m	1.495 V/m
268	08/28/2018 10:58:37 AM	1.735 V/m	1.603 V/m	1.458 V/m
269	08/28/2018 10:58:47 AM	1.745 V/m	1.633 V/m	1.520 V/m
270	08/28/2018 10:58:57 AM	1.706 V/m	1.570 V/m	1.471 V/m
271	08/28/2018 10:59:07 AM	1.684 V/m	1.612 V/m	1.537 V/m
272	08/28/2018 10:59:17 AM	1.668 V/m	1.550 V/m	1.447 V/m
273	08/28/2018 10:59:27 AM	1.650 V/m	1.535 V/m	1.438 V/m
274	08/28/2018 10:59:37 AM	1.656 V/m	1.541 V/m	1.478 V/m
275	08/28/2018 10:59:47 AM	1.692 V/m	1.599 V/m	1.491 V/m
276	08/28/2018 10:59:57 AM	1.684 V/m	1.598 V/m	1.519 V/m
277	08/28/2018 11:00:07 AM	1.821 V/m	1.657 V/m	1.410 V/m
278	08/28/2018 11:00:17 AM	1.786 V/m	1.671 V/m	1.513 V/m
279	08/28/2018 11:00:27 AM	1.783 V/m	1.636 V/m	1.494 V/m
280	08/28/2018 11:00:37 AM	1.711 V/m	1.615 V/m	1.472 V/m
281	08/28/2018 11:00:47 AM	1.686 V/m	1.583 V/m	1.445 V/m
282	08/28/2018 11:00:57 AM	1.689 V/m	1.545 V/m	1.463 V/m
283	08/28/2018 11:01:07 AM	1.685 V/m	1.582 V/m	1.460 V/m
284	08/28/2018 11:01:17 AM	1.663 V/m	1.537 V/m	1.414 V/m
285	08/28/2018 11:01:27 AM	1.795 V/m	1.584 V/m	1.467 V/m
286	08/28/2018 11:01:37 AM	1.686 V/m	1.590 V/m	1.495 V/m
287	08/28/2018 11:01:47 AM	1.729 V/m	1.633 V/m	1.515 V/m
288	08/28/2018 11:01:57 AM	1.803 V/m	1.640 V/m	1.513 V/m
289	08/28/2018 11:02:07 AM	1.740 V/m	1.648 V/m	1.518 V/m
290	08/28/2018 11:02:17 AM	1.685 V/m	1.604 V/m	1.436 V/m
291	08/28/2018 11:02:27 AM	1.753 V/m	1.653 V/m	1.526 V/m
292	08/28/2018 11:02:37 AM	1.758 V/m	1.634 V/m	1.562 V/m
293	08/28/2018 11:02:47 AM	1.817 V/m	1.714 V/m	1.525 V/m
294	08/28/2018 11:02:57 AM	1.726 V/m	1.627 V/m	1.490 V/m
295	08/28/2018 11:03:07 AM	1.704 V/m	1.591 V/m	1.503 V/m
296	08/28/2018 11:03:17 AM	1.732 V/m	1.565 V/m	1.464 V/m
297	08/28/2018 11:03:27 AM	1.753 V/m	1.586 V/m	1.488 V/m
298	08/28/2018 11:03:37 AM	1.750 V/m	1.583 V/m	1.474 V/m
299	08/28/2018 11:03:47 AM	1.803 V/m	1.667 V/m	1.562 V/m
300	08/28/2018 11:03:57 AM	1.808 V/m	1.668 V/m	1.515 V/m
301	08/28/2018 11:04:07 AM	1.897 V/m	1.757 V/m	1.608 V/m
302	08/28/2018 11:04:17 AM	1.779 V/m	1.670 V/m	1.582 V/m
303	08/28/2018 11:04:27 AM	1.881 V/m	1.719 V/m	1.587 V/m
304	08/28/2018 11:04:37 AM	1.953 V/m	1.814 V/m	1.674 V/m
305	08/28/2018 11:04:47 AM	1.927 V/m	1.817 V/m	1.681 V/m
306	08/28/2018 11:04:57 AM	1.911 V/m	1.772 V/m	1.618 V/m
307	08/28/2018 11:05:07 AM	1.851 V/m	1.768 V/m	1.652 V/m
308	08/28/2018 11:05:17 AM	1.809 V/m	1.635 V/m	1.492 V/m

309	08/28/2018 11:05:27 AM	1.690 V/m	1.622 V/m	1.545 V/m
310	08/28/2018 11:05:37 AM	1.794 V/m	1.606 V/m	1.511 V/m
311	08/28/2018 11:05:47 AM	1.793 V/m	1.711 V/m	1.537 V/m
312	08/28/2018 11:05:57 AM	1.792 V/m	1.675 V/m	1.577 V/m
313	08/28/2018 11:06:07 AM	1.755 V/m	1.645 V/m	1.520 V/m
314	08/28/2018 11:06:17 AM	1.804 V/m	1.648 V/m	1.526 V/m
315	08/28/2018 11:06:27 AM	1.740 V/m	1.615 V/m	1.490 V/m
316	08/28/2018 11:06:37 AM	1.744 V/m	1.629 V/m	1.527 V/m
317	08/28/2018 11:06:47 AM	1.816 V/m	1.686 V/m	1.515 V/m
318	08/28/2018 11:06:57 AM	1.882 V/m	1.697 V/m	1.527 V/m
319	08/28/2018 11:07:07 AM	1.824 V/m	1.671 V/m	1.561 V/m
320	08/28/2018 11:07:17 AM	1.799 V/m	1.671 V/m	1.552 V/m
321	08/28/2018 11:07:27 AM	1.906 V/m	1.702 V/m	1.607 V/m
322	08/28/2018 11:07:37 AM	1.825 V/m	1.686 V/m	1.558 V/m
323	08/28/2018 11:07:47 AM	1.839 V/m	1.748 V/m	1.632 V/m
324	08/28/2018 11:07:57 AM	1.795 V/m	1.663 V/m	1.559 V/m
325	08/28/2018 11:08:07 AM	1.764 V/m	1.609 V/m	1.442 V/m
326	08/28/2018 11:08:17 AM	1.661 V/m	1.571 V/m	1.477 V/m
327	08/28/2018 11:08:27 AM	1.653 V/m	1.561 V/m	1.485 V/m
328	08/28/2018 11:08:37 AM	1.718 V/m	1.650 V/m	1.579 V/m
329	08/28/2018 11:08:47 AM	1.808 V/m	1.688 V/m	1.572 V/m
330	08/28/2018 11:08:57 AM	1.851 V/m	1.695 V/m	1.568 V/m
331	08/28/2018 11:09:07 AM	1.781 V/m	1.664 V/m	1.542 V/m
332	08/28/2018 11:09:17 AM	1.799 V/m	1.695 V/m	1.524 V/m
333	08/28/2018 11:09:27 AM	1.746 V/m	1.622 V/m	1.521 V/m
334	08/28/2018 11:09:37 AM	1.731 V/m	1.644 V/m	1.566 V/m
335	08/28/2018 11:09:47 AM	1.798 V/m	1.652 V/m	1.519 V/m
336	08/28/2018 11:09:57 AM	1.768 V/m	1.598 V/m	1.403 V/m
337	08/28/2018 11:10:07 AM	1.652 V/m	1.544 V/m	1.435 V/m
338	08/28/2018 11:10:17 AM	1.765 V/m	1.610 V/m	1.499 V/m
339	08/28/2018 11:10:27 AM	1.848 V/m	1.691 V/m	1.560 V/m
340	08/28/2018 11:10:37 AM	1.870 V/m	1.668 V/m	1.498 V/m
341	08/28/2018 11:10:47 AM	1.754 V/m	1.596 V/m	1.474 V/m
342	08/28/2018 11:10:57 AM	1.801 V/m	1.611 V/m	1.521 V/m
343	08/28/2018 11:11:07 AM	1.723 V/m	1.587 V/m	1.471 V/m
344	08/28/2018 11:11:17 AM	1.756 V/m	1.624 V/m	1.535 V/m
345	08/28/2018 11:11:27 AM	1.828 V/m	1.620 V/m	1.488 V/m
346	08/28/2018 11:11:37 AM	1.783 V/m	1.666 V/m	1.571 V/m
347	08/28/2018 11:11:47 AM	1.741 V/m	1.588 V/m	1.477 V/m
348	08/28/2018 11:11:57 AM	1.844 V/m	1.652 V/m	1.493 V/m
349	08/28/2018 11:12:07 AM	1.872 V/m	1.669 V/m	1.561 V/m
350	08/28/2018 11:12:17 AM	1.850 V/m	1.667 V/m	1.569 V/m
351	08/28/2018 11:12:27 AM	1.818 V/m	1.658 V/m	1.520 V/m
352	08/28/2018 11:12:37 AM	1.825 V/m	1.653 V/m	1.551 V/m
353	08/28/2018 11:12:47 AM	1.722 V/m	1.627 V/m	1.508 V/m
354	08/28/2018 11:12:57 AM	1.759 V/m	1.614 V/m	1.512 V/m
355	08/28/2018 11:13:07 AM	1.757 V/m	1.588 V/m	1.498 V/m
356	08/28/2018 11:13:17 AM	1.753 V/m	1.608 V/m	1.554 V/m
357	08/28/2018 11:13:27 AM	1.785 V/m	1.633 V/m	1.477 V/m
358	08/28/2018 11:13:37 AM	1.828 V/m	1.632 V/m	1.494 V/m
359	08/28/2018 11:13:47 AM	1.757 V/m	1.640 V/m	1.571 V/m
360	08/28/2018 11:13:57 AM	1.696 V/m	1.603 V/m	1.464 V/m
361	08/28/2018 11:14:07 AM	1.712 V/m	1.560 V/m	1.451 V/m
362	08/28/2018 11:14:17 AM	1.716 V/m	1.604 V/m	1.500 V/m
363	08/28/2018 11:14:27 AM	1.772 V/m	1.597 V/m	1.511 V/m
364	08/28/2018 11:14:37 AM	1.742 V/m	1.668 V/m	1.593 V/m
365	08/28/2018 11:14:47 AM	1.771 V/m	1.672 V/m	1.555 V/m
366	08/28/2018 11:14:57 AM	1.723 V/m	1.557 V/m	1.416 V/m
367	08/28/2018 11:15:07 AM	1.679 V/m	1.552 V/m	1.429 V/m
368	08/28/2018 11:15:17 AM	1.725 V/m	1.579 V/m	1.462 V/m
369	08/28/2018 11:15:27 AM	1.627 V/m	1.537 V/m	1.433 V/m
370	08/28/2018 11:15:37 AM	1.693 V/m	1.570 V/m	1.404 V/m
371	08/28/2018 11:15:47 AM	1.749 V/m	1.552 V/m	1.370 V/m

372	08/28/2018 11:15:57 AM	1.705 V/m	1.574 V/m	1.462 V/m
373	08/28/2018 11:16:07 AM	1.697 V/m	1.570 V/m	1.442 V/m
374	08/28/2018 11:16:17 AM	1.615 V/m	1.515 V/m	1.419 V/m
375	08/28/2018 11:16:27 AM	1.687 V/m	1.566 V/m	1.431 V/m
376	08/28/2018 11:16:37 AM	1.663 V/m	1.537 V/m	1.402 V/m
377	08/28/2018 11:16:47 AM	1.609 V/m	1.531 V/m	1.451 V/m
378	08/28/2018 11:16:57 AM	1.662 V/m	1.519 V/m	1.440 V/m
379	08/28/2018 11:17:07 AM	1.787 V/m	1.603 V/m	1.463 V/m
380	08/28/2018 11:17:17 AM	1.785 V/m	1.601 V/m	1.431 V/m
381	08/28/2018 11:17:27 AM	1.790 V/m	1.734 V/m	1.639 V/m
382	08/28/2018 11:17:37 AM	1.714 V/m	1.649 V/m	1.527 V/m
383	08/28/2018 11:17:47 AM	1.725 V/m	1.618 V/m	1.513 V/m
384	08/28/2018 11:17:57 AM	1.844 V/m	1.641 V/m	1.450 V/m
385	08/28/2018 11:18:07 AM	1.832 V/m	1.578 V/m	1.411 V/m
386	08/28/2018 11:18:17 AM	1.714 V/m	1.557 V/m	1.387 V/m
387	08/28/2018 11:18:27 AM	1.762 V/m	1.598 V/m	1.470 V/m
388	08/28/2018 11:18:37 AM	1.717 V/m	1.611 V/m	1.470 V/m
389	08/28/2018 11:18:47 AM	1.805 V/m	1.641 V/m	1.482 V/m
390	08/28/2018 11:18:57 AM	1.712 V/m	1.604 V/m	1.456 V/m
391	08/28/2018 11:19:07 AM	1.716 V/m	1.650 V/m	1.523 V/m
392	08/28/2018 11:19:17 AM	1.782 V/m	1.665 V/m	1.481 V/m
393	08/28/2018 11:19:27 AM	1.779 V/m	1.666 V/m	1.569 V/m
394	08/28/2018 11:19:37 AM	1.763 V/m	1.647 V/m	1.516 V/m
395	08/28/2018 11:19:47 AM	1.790 V/m	1.651 V/m	1.518 V/m
396	08/28/2018 11:19:57 AM	1.705 V/m	1.597 V/m	1.498 V/m
397	08/28/2018 11:20:07 AM	1.693 V/m	1.550 V/m	1.419 V/m
398	08/28/2018 11:20:17 AM	1.746 V/m	1.620 V/m	1.415 V/m
399	08/28/2018 11:20:27 AM	1.636 V/m	1.543 V/m	1.405 V/m
400	08/28/2018 11:20:37 AM	1.764 V/m	1.542 V/m	1.392 V/m
401	08/28/2018 11:20:47 AM	1.787 V/m	1.593 V/m	1.444 V/m
402	08/28/2018 11:20:57 AM	1.776 V/m	1.617 V/m	1.508 V/m
403	08/28/2018 11:21:07 AM	1.808 V/m	1.649 V/m	1.459 V/m
404	08/28/2018 11:21:17 AM	1.741 V/m	1.640 V/m	1.559 V/m
405	08/28/2018 11:21:27 AM	1.683 V/m	1.618 V/m	1.529 V/m
406	08/28/2018 11:21:37 AM	1.814 V/m	1.659 V/m	1.554 V/m
407	08/28/2018 11:21:47 AM	1.785 V/m	1.615 V/m	1.480 V/m
408	08/28/2018 11:21:57 AM	1.662 V/m	1.580 V/m	1.482 V/m
409	08/28/2018 11:22:07 AM	1.673 V/m	1.525 V/m	1.430 V/m
410	08/28/2018 11:22:17 AM	1.662 V/m	1.546 V/m	1.440 V/m
411	08/28/2018 11:22:27 AM	1.764 V/m	1.634 V/m	1.485 V/m
412	08/28/2018 11:22:37 AM	1.720 V/m	1.621 V/m	1.479 V/m
413	08/28/2018 11:22:47 AM	1.652 V/m	1.560 V/m	1.463 V/m
414	08/28/2018 11:22:57 AM	1.723 V/m	1.553 V/m	1.389 V/m
415	08/28/2018 11:23:07 AM	1.725 V/m	1.587 V/m	1.369 V/m
416	08/28/2018 11:23:17 AM	1.691 V/m	1.595 V/m	1.409 V/m
417	08/28/2018 11:23:27 AM	1.602 V/m	1.526 V/m	1.426 V/m
418	08/28/2018 11:23:37 AM	1.707 V/m	1.625 V/m	1.425 V/m
419	08/28/2018 11:23:47 AM	1.709 V/m	1.605 V/m	1.484 V/m
420	08/28/2018 11:23:57 AM	1.643 V/m	1.549 V/m	1.469 V/m
421	08/28/2018 11:24:07 AM	1.705 V/m	1.546 V/m	1.451 V/m
422	08/28/2018 11:24:17 AM	1.760 V/m	1.584 V/m	1.471 V/m
423	08/28/2018 11:24:27 AM	1.834 V/m	1.591 V/m	1.470 V/m
424	08/28/2018 11:24:37 AM	1.641 V/m	1.509 V/m	1.432 V/m
425	08/28/2018 11:24:47 AM	1.726 V/m	1.553 V/m	1.413 V/m
426	08/28/2018 11:24:57 AM	1.734 V/m	1.606 V/m	1.487 V/m
427	08/28/2018 11:25:07 AM	1.747 V/m	1.614 V/m	1.458 V/m
428	08/28/2018 11:25:17 AM	1.779 V/m	1.672 V/m	1.554 V/m
429	08/28/2018 11:25:27 AM	1.744 V/m	1.661 V/m	1.554 V/m
430	08/28/2018 11:25:37 AM	1.680 V/m	1.578 V/m	1.434 V/m
431	08/28/2018 11:25:47 AM	1.647 V/m	1.558 V/m	1.474 V/m
432	08/28/2018 11:25:57 AM	1.782 V/m	1.591 V/m	1.455 V/m
433	08/28/2018 11:26:07 AM	1.713 V/m	1.607 V/m	1.495 V/m
434	08/28/2018 11:26:17 AM	1.706 V/m	1.542 V/m	1.451 V/m

435	08/28/2018 11:26:27 AM	1.710 V/m	1.571 V/m	1.422 V/m
436	08/28/2018 11:26:37 AM	1.672 V/m	1.550 V/m	1.401 V/m
437	08/28/2018 11:26:47 AM	1.679 V/m	1.576 V/m	1.465 V/m
438	08/28/2018 11:26:57 AM	1.674 V/m	1.548 V/m	1.391 V/m
439	08/28/2018 11:27:07 AM	1.681 V/m	1.545 V/m	1.410 V/m
440	08/28/2018 11:27:17 AM	1.739 V/m	1.585 V/m	1.377 V/m
441	08/28/2018 11:27:27 AM	1.763 V/m	1.603 V/m	1.397 V/m
442	08/28/2018 11:27:37 AM	1.716 V/m	1.598 V/m	1.464 V/m
443	08/28/2018 11:27:47 AM	1.678 V/m	1.605 V/m	1.494 V/m
444	08/28/2018 11:27:57 AM	1.664 V/m	1.584 V/m	1.434 V/m
445	08/28/2018 11:28:07 AM	1.561 V/m	1.489 V/m	1.435 V/m
446	08/28/2018 11:28:17 AM	1.653 V/m	1.556 V/m	1.435 V/m
447	08/28/2018 11:28:27 AM	1.710 V/m	1.575 V/m	1.459 V/m
448	08/28/2018 11:28:37 AM	1.689 V/m	1.549 V/m	1.427 V/m
449	08/28/2018 11:28:47 AM	1.667 V/m	1.544 V/m	1.431 V/m
450	08/28/2018 11:28:57 AM	1.757 V/m	1.643 V/m	1.558 V/m
451	08/28/2018 11:29:07 AM	1.712 V/m	1.599 V/m	1.415 V/m
452	08/28/2018 11:29:17 AM	1.687 V/m	1.546 V/m	1.403 V/m
453	08/28/2018 11:29:27 AM	1.710 V/m	1.556 V/m	1.392 V/m
454	08/28/2018 11:29:37 AM	1.676 V/m	1.526 V/m	1.385 V/m
455	08/28/2018 11:29:47 AM	1.720 V/m	1.589 V/m	1.370 V/m
456	08/28/2018 11:29:57 AM	1.696 V/m	1.539 V/m	1.440 V/m
457	08/28/2018 11:30:07 AM	1.601 V/m	1.519 V/m	1.427 V/m
458	08/28/2018 11:30:17 AM	1.571 V/m	1.498 V/m	1.403 V/m
459	08/28/2018 11:30:27 AM	1.778 V/m	1.644 V/m	1.499 V/m
460	08/28/2018 11:30:37 AM	1.635 V/m	1.564 V/m	1.493 V/m
461	08/28/2018 11:30:47 AM	1.597 V/m	1.503 V/m	1.401 V/m
462	08/28/2018 11:30:57 AM	1.657 V/m	1.575 V/m	1.470 V/m
463	08/28/2018 11:31:07 AM	1.678 V/m	1.537 V/m	1.401 V/m
464	08/28/2018 11:31:17 AM	1.612 V/m	1.525 V/m	1.384 V/m
465	08/28/2018 11:31:27 AM	1.641 V/m	1.559 V/m	1.463 V/m
466	08/28/2018 11:31:37 AM	1.665 V/m	1.511 V/m	1.400 V/m
467	08/28/2018 11:31:47 AM	1.577 V/m	1.500 V/m	1.344 V/m
468	08/28/2018 11:31:57 AM	1.580 V/m	1.495 V/m	1.358 V/m
469	08/28/2018 11:32:07 AM	1.593 V/m	1.509 V/m	1.434 V/m
470	08/28/2018 11:32:17 AM	1.592 V/m	1.462 V/m	1.384 V/m
471	08/28/2018 11:32:27 AM	1.608 V/m	1.494 V/m	1.420 V/m
472	08/28/2018 11:32:37 AM	1.665 V/m	1.533 V/m	1.445 V/m
473	08/28/2018 11:32:47 AM	1.660 V/m	1.553 V/m	1.468 V/m
474	08/28/2018 11:32:57 AM	1.628 V/m	1.514 V/m	1.401 V/m
475	08/28/2018 11:33:07 AM	1.791 V/m	1.618 V/m	1.425 V/m
476	08/28/2018 11:33:17 AM	1.817 V/m	1.689 V/m	1.508 V/m
477	08/28/2018 11:33:27 AM	1.761 V/m	1.566 V/m	1.464 V/m
478	08/28/2018 11:33:37 AM	1.657 V/m	1.559 V/m	1.408 V/m
479	08/28/2018 11:33:47 AM	1.645 V/m	1.529 V/m	1.401 V/m
480	08/28/2018 11:33:57 AM	1.616 V/m	1.541 V/m	1.416 V/m
481	08/28/2018 11:34:07 AM	1.677 V/m	1.581 V/m	1.450 V/m
482	08/28/2018 11:34:17 AM	1.838 V/m	1.691 V/m	1.481 V/m
483	08/28/2018 11:34:27 AM	1.754 V/m	1.600 V/m	1.439 V/m
484	08/28/2018 11:34:37 AM	1.691 V/m	1.552 V/m	1.389 V/m
485	08/28/2018 11:34:47 AM	1.787 V/m	1.606 V/m	1.374 V/m
486	08/28/2018 11:34:57 AM	1.829 V/m	1.690 V/m	1.520 V/m
487	08/28/2018 11:35:07 AM	1.747 V/m	1.644 V/m	1.536 V/m
488	08/28/2018 11:35:17 AM	1.675 V/m	1.560 V/m	1.452 V/m
489	08/28/2018 11:35:27 AM	1.677 V/m	1.518 V/m	1.424 V/m
490	08/28/2018 11:35:37 AM	1.614 V/m	1.543 V/m	1.486 V/m
491	08/28/2018 11:35:47 AM	1.588 V/m	1.524 V/m	1.455 V/m
492	08/28/2018 11:35:57 AM	1.640 V/m	1.538 V/m	1.469 V/m
493	08/28/2018 11:36:07 AM	1.634 V/m	1.563 V/m	1.490 V/m
494	08/28/2018 11:36:17 AM	1.657 V/m	1.574 V/m	1.490 V/m
495	08/28/2018 11:36:27 AM	1.650 V/m	1.547 V/m	1.487 V/m
496	08/28/2018 11:36:37 AM	1.681 V/m	1.555 V/m	1.487 V/m
497	08/28/2018 11:36:47 AM	1.631 V/m	1.537 V/m	1.466 V/m

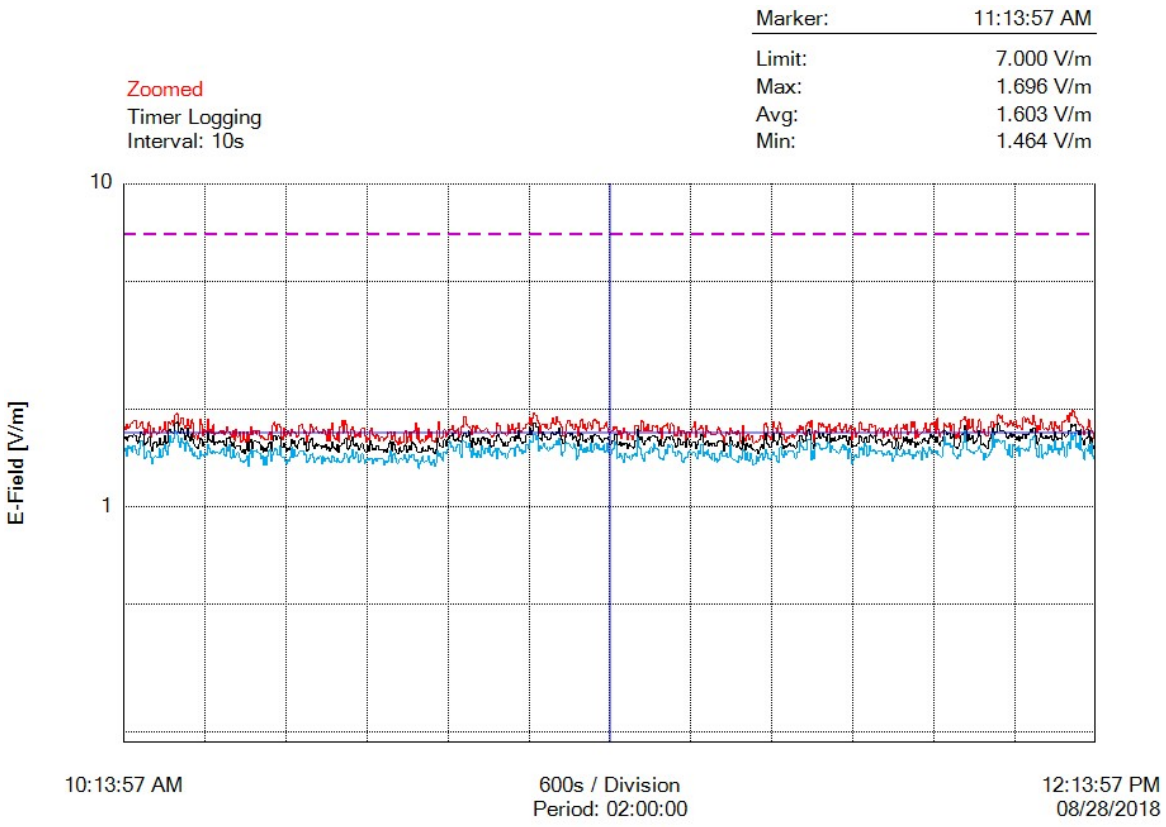
498	08/28/2018 11:36:57 AM	1.663 V/m	1.521 V/m	1.413 V/m
499	08/28/2018 11:37:07 AM	1.741 V/m	1.588 V/m	1.475 V/m
500	08/28/2018 11:37:17 AM	1.698 V/m	1.597 V/m	1.469 V/m
501	08/28/2018 11:37:27 AM	1.788 V/m	1.654 V/m	1.592 V/m
502	08/28/2018 11:37:37 AM	1.728 V/m	1.660 V/m	1.547 V/m
503	08/28/2018 11:37:47 AM	1.764 V/m	1.618 V/m	1.526 V/m
504	08/28/2018 11:37:57 AM	1.687 V/m	1.593 V/m	1.503 V/m
505	08/28/2018 11:38:07 AM	1.669 V/m	1.600 V/m	1.504 V/m
506	08/28/2018 11:38:17 AM	1.778 V/m	1.660 V/m	1.505 V/m
507	08/28/2018 11:38:27 AM	1.816 V/m	1.718 V/m	1.618 V/m
508	08/28/2018 11:38:37 AM	1.833 V/m	1.742 V/m	1.616 V/m
509	08/28/2018 11:38:47 AM	1.762 V/m	1.675 V/m	1.611 V/m
510	08/28/2018 11:38:57 AM	1.847 V/m	1.571 V/m	1.400 V/m
511	08/28/2018 11:39:07 AM	1.678 V/m	1.563 V/m	1.494 V/m
512	08/28/2018 11:39:17 AM	1.585 V/m	1.506 V/m	1.410 V/m
513	08/28/2018 11:39:27 AM	1.726 V/m	1.628 V/m	1.541 V/m
514	08/28/2018 11:39:37 AM	1.700 V/m	1.633 V/m	1.579 V/m
515	08/28/2018 11:39:47 AM	1.821 V/m	1.692 V/m	1.558 V/m
516	08/28/2018 11:39:57 AM	1.800 V/m	1.631 V/m	1.520 V/m
517	08/28/2018 11:40:07 AM	1.772 V/m	1.649 V/m	1.504 V/m
518	08/28/2018 11:40:17 AM	1.811 V/m	1.686 V/m	1.520 V/m
519	08/28/2018 11:40:27 AM	1.774 V/m	1.640 V/m	1.522 V/m
520	08/28/2018 11:40:37 AM	1.765 V/m	1.647 V/m	1.518 V/m
521	08/28/2018 11:40:47 AM	1.697 V/m	1.604 V/m	1.527 V/m
522	08/28/2018 11:40:57 AM	1.773 V/m	1.680 V/m	1.592 V/m
523	08/28/2018 11:41:07 AM	1.795 V/m	1.678 V/m	1.569 V/m
524	08/28/2018 11:41:17 AM	1.693 V/m	1.585 V/m	1.477 V/m
525	08/28/2018 11:41:27 AM	1.735 V/m	1.633 V/m	1.545 V/m
526	08/28/2018 11:41:37 AM	1.716 V/m	1.602 V/m	1.507 V/m
527	08/28/2018 11:41:47 AM	1.765 V/m	1.637 V/m	1.502 V/m
528	08/28/2018 11:41:57 AM	1.703 V/m	1.597 V/m	1.492 V/m
529	08/28/2018 11:42:07 AM	1.777 V/m	1.613 V/m	1.470 V/m
530	08/28/2018 11:42:17 AM	1.821 V/m	1.658 V/m	1.467 V/m
531	08/28/2018 11:42:27 AM	1.734 V/m	1.628 V/m	1.503 V/m
532	08/28/2018 11:42:37 AM	1.704 V/m	1.626 V/m	1.524 V/m
533	08/28/2018 11:42:47 AM	1.733 V/m	1.664 V/m	1.564 V/m
534	08/28/2018 11:42:57 AM	1.765 V/m	1.646 V/m	1.503 V/m
535	08/28/2018 11:43:07 AM	1.802 V/m	1.661 V/m	1.537 V/m
536	08/28/2018 11:43:17 AM	1.709 V/m	1.606 V/m	1.497 V/m
537	08/28/2018 11:43:27 AM	1.722 V/m	1.559 V/m	1.414 V/m
538	08/28/2018 11:43:37 AM	1.747 V/m	1.641 V/m	1.520 V/m
539	08/28/2018 11:43:47 AM	1.782 V/m	1.608 V/m	1.468 V/m
540	08/28/2018 11:43:57 AM	1.616 V/m	1.532 V/m	1.363 V/m
541	08/28/2018 11:44:07 AM	1.714 V/m	1.546 V/m	1.393 V/m
542	08/28/2018 11:44:17 AM	1.758 V/m	1.544 V/m	1.438 V/m
543	08/28/2018 11:44:27 AM	1.637 V/m	1.543 V/m	1.452 V/m
544	08/28/2018 11:44:37 AM	1.693 V/m	1.571 V/m	1.418 V/m
545	08/28/2018 11:44:47 AM	1.811 V/m	1.661 V/m	1.527 V/m
546	08/28/2018 11:44:57 AM	1.826 V/m	1.644 V/m	1.496 V/m
547	08/28/2018 11:45:07 AM	1.731 V/m	1.595 V/m	1.524 V/m
548	08/28/2018 11:45:17 AM	1.733 V/m	1.583 V/m	1.445 V/m
549	08/28/2018 11:45:27 AM	1.714 V/m	1.624 V/m	1.577 V/m
550	08/28/2018 11:45:37 AM	1.733 V/m	1.641 V/m	1.545 V/m
551	08/28/2018 11:45:47 AM	1.737 V/m	1.593 V/m	1.442 V/m
552	08/28/2018 11:45:57 AM	1.708 V/m	1.583 V/m	1.448 V/m
553	08/28/2018 11:46:07 AM	1.801 V/m	1.667 V/m	1.538 V/m
554	08/28/2018 11:46:17 AM	1.798 V/m	1.656 V/m	1.482 V/m
555	08/28/2018 11:46:27 AM	1.761 V/m	1.635 V/m	1.490 V/m
556	08/28/2018 11:46:37 AM	1.780 V/m	1.652 V/m	1.507 V/m
557	08/28/2018 11:46:47 AM	1.788 V/m	1.663 V/m	1.490 V/m
558	08/28/2018 11:46:57 AM	1.654 V/m	1.574 V/m	1.461 V/m
559	08/28/2018 11:47:07 AM	1.727 V/m	1.609 V/m	1.486 V/m
560	08/28/2018 11:47:17 AM	1.745 V/m	1.620 V/m	1.493 V/m

561	08/28/2018 11:47:27 AM	1.710 V/m	1.607 V/m	1.492 V/m
562	08/28/2018 11:47:37 AM	1.758 V/m	1.556 V/m	1.463 V/m
563	08/28/2018 11:47:47 AM	1.634 V/m	1.548 V/m	1.440 V/m
564	08/28/2018 11:47:57 AM	1.715 V/m	1.559 V/m	1.457 V/m
565	08/28/2018 11:48:07 AM	1.704 V/m	1.572 V/m	1.444 V/m
566	08/28/2018 11:48:17 AM	1.659 V/m	1.587 V/m	1.476 V/m
567	08/28/2018 11:48:27 AM	1.719 V/m	1.618 V/m	1.495 V/m
568	08/28/2018 11:48:37 AM	1.747 V/m	1.580 V/m	1.448 V/m
569	08/28/2018 11:48:47 AM	1.677 V/m	1.580 V/m	1.463 V/m
570	08/28/2018 11:48:57 AM	1.649 V/m	1.520 V/m	1.381 V/m
571	08/28/2018 11:49:07 AM	1.619 V/m	1.519 V/m	1.418 V/m
572	08/28/2018 11:49:17 AM	1.752 V/m	1.539 V/m	1.444 V/m
573	08/28/2018 11:49:27 AM	1.793 V/m	1.633 V/m	1.526 V/m
574	08/28/2018 11:49:37 AM	1.691 V/m	1.592 V/m	1.448 V/m
575	08/28/2018 11:49:47 AM	1.628 V/m	1.507 V/m	1.439 V/m
576	08/28/2018 11:49:57 AM	1.748 V/m	1.540 V/m	1.430 V/m
577	08/28/2018 11:50:07 AM	1.753 V/m	1.574 V/m	1.456 V/m
578	08/28/2018 11:50:17 AM	1.795 V/m	1.638 V/m	1.497 V/m
579	08/28/2018 11:50:27 AM	1.732 V/m	1.604 V/m	1.454 V/m
580	08/28/2018 11:50:37 AM	1.806 V/m	1.640 V/m	1.464 V/m
581	08/28/2018 11:50:47 AM	1.680 V/m	1.578 V/m	1.466 V/m
582	08/28/2018 11:50:57 AM	1.705 V/m	1.620 V/m	1.507 V/m
583	08/28/2018 11:51:07 AM	1.710 V/m	1.554 V/m	1.447 V/m
584	08/28/2018 11:51:17 AM	1.835 V/m	1.623 V/m	1.454 V/m
585	08/28/2018 11:51:27 AM	1.765 V/m	1.590 V/m	1.409 V/m
586	08/28/2018 11:51:37 AM	1.838 V/m	1.582 V/m	1.446 V/m
587	08/28/2018 11:51:47 AM	1.627 V/m	1.529 V/m	1.437 V/m
588	08/28/2018 11:51:57 AM	1.729 V/m	1.582 V/m	1.486 V/m
589	08/28/2018 11:52:07 AM	1.640 V/m	1.556 V/m	1.467 V/m
590	08/28/2018 11:52:17 AM	1.679 V/m	1.583 V/m	1.487 V/m
591	08/28/2018 11:52:27 AM	1.694 V/m	1.576 V/m	1.393 V/m
592	08/28/2018 11:52:37 AM	1.710 V/m	1.608 V/m	1.525 V/m
593	08/28/2018 11:52:47 AM	1.755 V/m	1.628 V/m	1.491 V/m
594	08/28/2018 11:52:57 AM	1.813 V/m	1.599 V/m	1.468 V/m
595	08/28/2018 11:53:07 AM	1.704 V/m	1.599 V/m	1.419 V/m
596	08/28/2018 11:53:17 AM	1.737 V/m	1.574 V/m	1.482 V/m
597	08/28/2018 11:53:27 AM	1.701 V/m	1.631 V/m	1.531 V/m
598	08/28/2018 11:53:37 AM	1.803 V/m	1.669 V/m	1.509 V/m
599	08/28/2018 11:53:47 AM	1.818 V/m	1.636 V/m	1.457 V/m
600	08/28/2018 11:53:57 AM	1.790 V/m	1.655 V/m	1.495 V/m
601	08/28/2018 11:54:07 AM	1.839 V/m	1.647 V/m	1.487 V/m
602	08/28/2018 11:54:17 AM	1.687 V/m	1.584 V/m	1.468 V/m
603	08/28/2018 11:54:27 AM	1.876 V/m	1.649 V/m	1.494 V/m
604	08/28/2018 11:54:37 AM	1.736 V/m	1.576 V/m	1.446 V/m
605	08/28/2018 11:54:47 AM	1.648 V/m	1.547 V/m	1.439 V/m
606	08/28/2018 11:54:57 AM	1.704 V/m	1.596 V/m	1.428 V/m
607	08/28/2018 11:55:07 AM	1.720 V/m	1.643 V/m	1.533 V/m
608	08/28/2018 11:55:17 AM	1.810 V/m	1.733 V/m	1.652 V/m
609	08/28/2018 11:55:27 AM	1.786 V/m	1.715 V/m	1.554 V/m
610	08/28/2018 11:55:37 AM	1.768 V/m	1.672 V/m	1.571 V/m
611	08/28/2018 11:55:47 AM	1.763 V/m	1.686 V/m	1.561 V/m
612	08/28/2018 11:55:57 AM	1.816 V/m	1.686 V/m	1.578 V/m
613	08/28/2018 11:56:07 AM	1.714 V/m	1.625 V/m	1.532 V/m
614	08/28/2018 11:56:17 AM	1.792 V/m	1.649 V/m	1.541 V/m
615	08/28/2018 11:56:27 AM	1.806 V/m	1.683 V/m	1.466 V/m
616	08/28/2018 11:56:37 AM	1.675 V/m	1.535 V/m	1.442 V/m
617	08/28/2018 11:56:47 AM	1.623 V/m	1.530 V/m	1.429 V/m
618	08/28/2018 11:56:57 AM	1.682 V/m	1.513 V/m	1.409 V/m
619	08/28/2018 11:57:07 AM	1.634 V/m	1.541 V/m	1.452 V/m
620	08/28/2018 11:57:17 AM	1.751 V/m	1.581 V/m	1.433 V/m
621	08/28/2018 11:57:27 AM	1.856 V/m	1.671 V/m	1.508 V/m
622	08/28/2018 11:57:37 AM	1.864 V/m	1.688 V/m	1.579 V/m
623	08/28/2018 11:57:47 AM	1.901 V/m	1.790 V/m	1.726 V/m

624	08/28/2018 11:57:57 AM	1.846 V/m	1.722 V/m	1.583 V/m
625	08/28/2018 11:58:07 AM	1.725 V/m	1.604 V/m	1.500 V/m
626	08/28/2018 11:58:17 AM	1.863 V/m	1.671 V/m	1.502 V/m
627	08/28/2018 11:58:27 AM	1.743 V/m	1.613 V/m	1.485 V/m
628	08/28/2018 11:58:37 AM	1.775 V/m	1.634 V/m	1.471 V/m
629	08/28/2018 11:58:47 AM	1.869 V/m	1.661 V/m	1.478 V/m
630	08/28/2018 11:58:57 AM	1.713 V/m	1.565 V/m	1.458 V/m
631	08/28/2018 11:59:07 AM	1.698 V/m	1.583 V/m	1.483 V/m
632	08/28/2018 11:59:17 AM	1.712 V/m	1.605 V/m	1.493 V/m
633	08/28/2018 11:59:27 AM	1.768 V/m	1.639 V/m	1.500 V/m
634	08/28/2018 11:59:37 AM	1.861 V/m	1.726 V/m	1.538 V/m
635	08/28/2018 11:59:47 AM	1.839 V/m	1.653 V/m	1.504 V/m
636	08/28/2018 11:59:57 AM	1.704 V/m	1.551 V/m	1.471 V/m
637	08/28/2018 12:00:07 PM	1.737 V/m	1.570 V/m	1.391 V/m
638	08/28/2018 12:00:17 PM	1.679 V/m	1.549 V/m	1.461 V/m
639	08/28/2018 12:00:27 PM	1.664 V/m	1.526 V/m	1.419 V/m
640	08/28/2018 12:00:37 PM	1.654 V/m	1.517 V/m	1.428 V/m
641	08/28/2018 12:00:47 PM	1.763 V/m	1.604 V/m	1.453 V/m
642	08/28/2018 12:00:57 PM	1.762 V/m	1.627 V/m	1.481 V/m
643	08/28/2018 12:01:07 PM	1.825 V/m	1.670 V/m	1.501 V/m
644	08/28/2018 12:01:17 PM	1.826 V/m	1.746 V/m	1.690 V/m
645	08/28/2018 12:01:27 PM	1.766 V/m	1.673 V/m	1.524 V/m
646	08/28/2018 12:01:37 PM	1.797 V/m	1.710 V/m	1.616 V/m
647	08/28/2018 12:01:47 PM	1.808 V/m	1.697 V/m	1.585 V/m
648	08/28/2018 12:01:57 PM	1.931 V/m	1.811 V/m	1.620 V/m
649	08/28/2018 12:02:07 PM	1.916 V/m	1.787 V/m	1.594 V/m
650	08/28/2018 12:02:17 PM	1.883 V/m	1.722 V/m	1.574 V/m
651	08/28/2018 12:02:27 PM	1.913 V/m	1.719 V/m	1.582 V/m
652	08/28/2018 12:02:37 PM	1.831 V/m	1.717 V/m	1.602 V/m
653	08/28/2018 12:02:47 PM	1.806 V/m	1.697 V/m	1.512 V/m
654	08/28/2018 12:02:57 PM	1.823 V/m	1.648 V/m	1.501 V/m
655	08/28/2018 12:03:07 PM	1.772 V/m	1.623 V/m	1.449 V/m
656	08/28/2018 12:03:17 PM	1.801 V/m	1.655 V/m	1.564 V/m
657	08/28/2018 12:03:27 PM	1.847 V/m	1.693 V/m	1.432 V/m
658	08/28/2018 12:03:37 PM	1.817 V/m	1.649 V/m	1.423 V/m
659	08/28/2018 12:03:47 PM	1.776 V/m	1.671 V/m	1.558 V/m
660	08/28/2018 12:03:57 PM	1.839 V/m	1.665 V/m	1.541 V/m
661	08/28/2018 12:04:07 PM	1.843 V/m	1.642 V/m	1.514 V/m
662	08/28/2018 12:04:17 PM	1.757 V/m	1.618 V/m	1.493 V/m
663	08/28/2018 12:04:27 PM	1.781 V/m	1.655 V/m	1.537 V/m
664	08/28/2018 12:04:37 PM	1.782 V/m	1.600 V/m	1.433 V/m
665	08/28/2018 12:04:47 PM	1.753 V/m	1.646 V/m	1.522 V/m
666	08/28/2018 12:04:57 PM	1.730 V/m	1.626 V/m	1.516 V/m
667	08/28/2018 12:05:07 PM	1.893 V/m	1.681 V/m	1.507 V/m
668	08/28/2018 12:05:17 PM	1.834 V/m	1.625 V/m	1.492 V/m
669	08/28/2018 12:05:27 PM	1.859 V/m	1.673 V/m	1.510 V/m
670	08/28/2018 12:05:37 PM	1.878 V/m	1.678 V/m	1.482 V/m
671	08/28/2018 12:05:47 PM	1.812 V/m	1.695 V/m	1.527 V/m
672	08/28/2018 12:05:57 PM	1.826 V/m	1.737 V/m	1.620 V/m
673	08/28/2018 12:06:07 PM	1.791 V/m	1.707 V/m	1.608 V/m
674	08/28/2018 12:06:17 PM	1.909 V/m	1.755 V/m	1.644 V/m
675	08/28/2018 12:06:27 PM	1.832 V/m	1.756 V/m	1.652 V/m
676	08/28/2018 12:06:37 PM	1.778 V/m	1.655 V/m	1.521 V/m
677	08/28/2018 12:06:47 PM	1.697 V/m	1.563 V/m	1.436 V/m
678	08/28/2018 12:06:57 PM	1.782 V/m	1.595 V/m	1.423 V/m
679	08/28/2018 12:07:07 PM	1.738 V/m	1.640 V/m	1.554 V/m
680	08/28/2018 12:07:17 PM	1.871 V/m	1.696 V/m	1.561 V/m
681	08/28/2018 12:07:27 PM	1.819 V/m	1.639 V/m	1.415 V/m
682	08/28/2018 12:07:37 PM	1.743 V/m	1.628 V/m	1.458 V/m
683	08/28/2018 12:07:47 PM	1.758 V/m	1.660 V/m	1.474 V/m
684	08/28/2018 12:07:57 PM	1.743 V/m	1.625 V/m	1.453 V/m
685	08/28/2018 12:08:07 PM	1.724 V/m	1.641 V/m	1.564 V/m
686	08/28/2018 12:08:17 PM	1.791 V/m	1.635 V/m	1.505 V/m

687	08/28/2018 12:08:27 PM	1.840 V/m	1.664 V/m	1.547 V/m
688	08/28/2018 12:08:37 PM	1.748 V/m	1.616 V/m	1.481 V/m
689	08/28/2018 12:08:47 PM	1.712 V/m	1.602 V/m	1.506 V/m
690	08/28/2018 12:08:57 PM	1.840 V/m	1.707 V/m	1.600 V/m
691	08/28/2018 12:09:07 PM	1.787 V/m	1.645 V/m	1.498 V/m
692	08/28/2018 12:09:17 PM	1.745 V/m	1.610 V/m	1.519 V/m
693	08/28/2018 12:09:27 PM	1.777 V/m	1.630 V/m	1.455 V/m
694	08/28/2018 12:09:37 PM	1.714 V/m	1.628 V/m	1.519 V/m
695	08/28/2018 12:09:47 PM	1.727 V/m	1.622 V/m	1.501 V/m
696	08/28/2018 12:09:57 PM	1.834 V/m	1.693 V/m	1.585 V/m
697	08/28/2018 12:10:07 PM	1.831 V/m	1.680 V/m	1.527 V/m
698	08/28/2018 12:10:17 PM	1.856 V/m	1.649 V/m	1.425 V/m
699	08/28/2018 12:10:27 PM	1.919 V/m	1.664 V/m	1.556 V/m
700	08/28/2018 12:10:37 PM	1.825 V/m	1.719 V/m	1.585 V/m
701	08/28/2018 12:10:47 PM	1.956 V/m	1.721 V/m	1.516 V/m
702	08/28/2018 12:10:57 PM	1.922 V/m	1.806 V/m	1.696 V/m
703	08/28/2018 12:11:07 PM	1.985 V/m	1.775 V/m	1.612 V/m
704	08/28/2018 12:11:17 PM	1.976 V/m	1.784 V/m	1.661 V/m
705	08/28/2018 12:11:27 PM	1.904 V/m	1.797 V/m	1.686 V/m
706	08/28/2018 12:11:37 PM	1.878 V/m	1.722 V/m	1.528 V/m
707	08/28/2018 12:11:47 PM	1.827 V/m	1.718 V/m	1.567 V/m
708	08/28/2018 12:11:57 PM	1.790 V/m	1.670 V/m	1.507 V/m
709	08/28/2018 12:12:07 PM	1.800 V/m	1.730 V/m	1.660 V/m
710	08/28/2018 12:12:17 PM	1.788 V/m	1.624 V/m	1.499 V/m
711	08/28/2018 12:12:27 PM	1.764 V/m	1.604 V/m	1.479 V/m
712	08/28/2018 12:12:37 PM	1.672 V/m	1.554 V/m	1.400 V/m
713	08/28/2018 12:12:47 PM	1.735 V/m	1.629 V/m	1.512 V/m
714	08/28/2018 12:12:57 PM	1.761 V/m	1.644 V/m	1.482 V/m
715	08/28/2018 12:13:07 PM	1.862 V/m	1.730 V/m	1.553 V/m
716	08/28/2018 12:13:17 PM	1.763 V/m	1.574 V/m	1.459 V/m
717	08/28/2018 12:13:27 PM	1.720 V/m	1.639 V/m	1.579 V/m
718	08/28/2018 12:13:37 PM	1.698 V/m	1.541 V/m	1.435 V/m
719	08/28/2018 12:13:47 PM	1.624 V/m	1.511 V/m	1.413 V/m
720	08/28/2018 12:13:57 PM	1.724 V/m	1.593 V/m	1.477 V/m

Graph


Marker: 11:13:57 AM
Limit: 7.000 V/m
Max: 1.696 V/m
Avg: 1.603 V/m
Min: 1.464 V/m
Zoomed
Timer Logging
Interval: 10s
10
1
E-Field [V/m]
10:13:57 AM
600s / Division
Period: 02:00:00
12:13:57 PM
08/28/2018

Parameters

Number of Sub Indices	720
Storing Date	08/28/2018
Storing Time	10:13:57 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	05/15/2020
Probe Product Name	EF0391
Probe Serial Number	A-0636
Probe Cal Due Date	05/16/2020
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	-

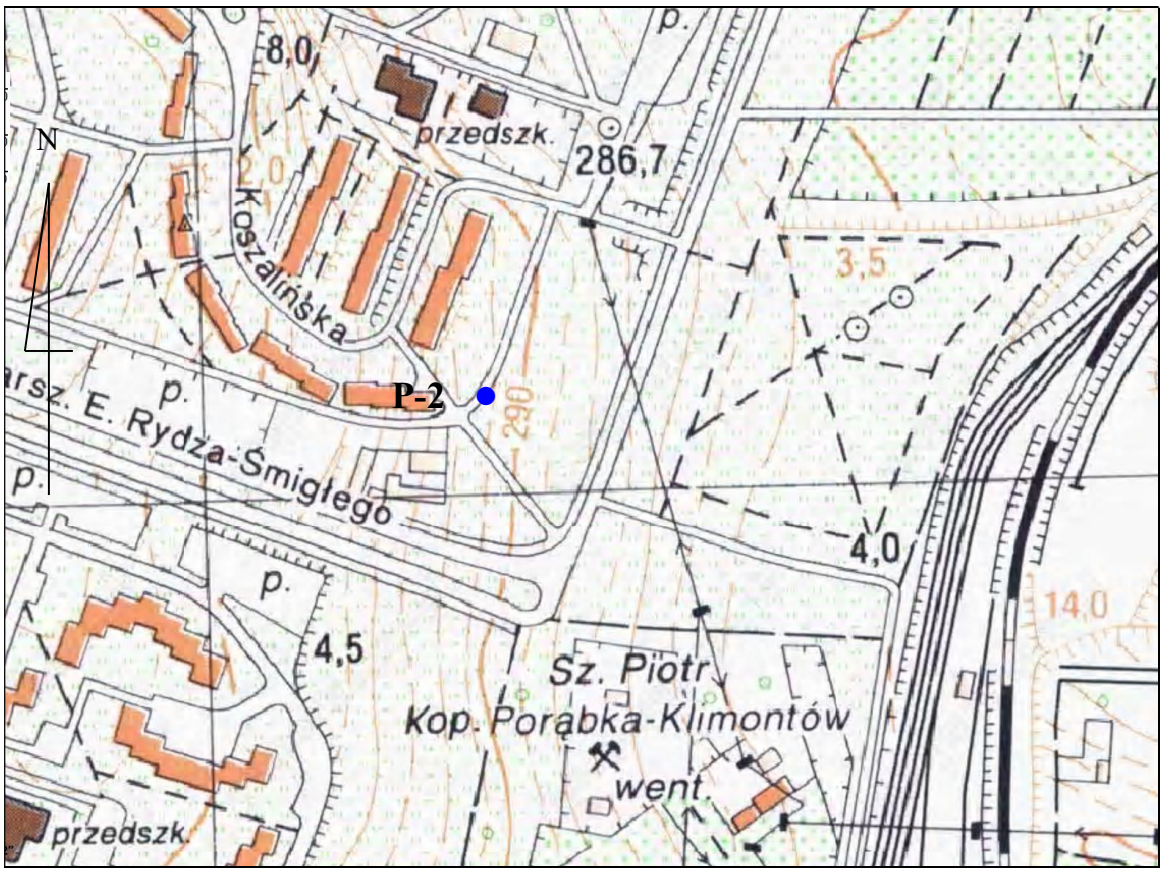
FOTOGRAFIE REJONU BADAŃ:

Fot. 1. Rejon badań, widok w kierunku południowo - wschodnim

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

Fot. 3. Rejon badań, widok w kierunku północnym

Fot. 4. Przyrząd pomiarowy w trakcie wykonywanego badania



SOSNOWIEC

Oznaczenia:

- P-2 – punkt pomiarowy poziomów pól elektromagnetycznych w środowisku

Ryc. Szkic sytuacyjny rejonu badań.