



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

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Nr sprawy: LB.7072.3.2014
PROTOKÓŁ Z POMIARÓW nr 14/37/2015/PEM

SPRAWOZDANIE Z MONITORINGOWEGO POMIARU PÓL
ELEKTROMAGNETYCZNYCH nr: 320/2015

Instalacja: BT-24018;

Miejsce pomiarów: P-1, Bieruń, ul. Granitowa;

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

Data oraz godzina wykonania pomiarów: 10.06.2015, godzina 10:43-12:43;

Pora wykonania pomiarów : dnia.

*Niniejsze sprawozdanie, wraz z załącznikami nie może być powielane inaczej jak tylko w całości.
Prezentowane wyniki badań odnoszą się wyłącznie do badanych obiektów.*

1. PODSTAWA BADAŃ

Podstawę realizacji przedmiotowych badań monitoringowych poziomów pól elektromagnetycznych w przedziale częstotliwości 100 kHz – 3 GHz w środowisku stanowi Rozporządzenie Ministra Środowiska z dnia 12 listopada 2007 r. w sprawie zakresu i sposobu prowadzenia okresowych badań poziomów pól elektromagnetycznych w środowisku (Dz.U. Nr 221, Poz. 1645).

2. CEL BADAŃ

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

3. TEREN BADAŃ

Punkt pomiarowy P-1 poziomów pól elektromagnetycznych w środowisku zlokalizowano na terenie zabudowy mieszkaniowej Nowy Bieruń przy ul. Granitowej w granicach administracyjnych miasta Bieruń. Zgodnie z obowiązującym Rozporządzeniem wysokość posadowienia sondy pomiarowej wyniosła h: 2 m n.p.t. W sąsiedztwie punktu pomiarowego P-1, zagospodarowanie terenu stanowi zabudowa mieszkalna wielorodzinna, obiekty handlowo-usługowe oraz obiekty przemysłowe. Najbliższy względem punktu pomiarowego obiekt budowlany – pięciokondygnacyjny budynek mieszkalny znajduje się w kierunku zachodnim w odległości 25 m od P-1. Pozostała zabudowa mieszkaniowa w rejonie badań zlokalizowana jest w kierunku południowo-zachodnim w odległości 33 m. W kierunku wschodnim w odległości 31 m znajduje się parterowy obiekt handlowy. W dalszej odległości, ponad 150 m od punktu pomiarowego w kierunku północnym teren zagospodarowany jest przez obiekty przemysłowe KWK Piast.

W promieniu $d \leq 300$ m do punktu pomiarowego P-1 poziomów pól elektromagnetycznych zlokalizowana jest instalacja radiokomunikacyjna, emitująca pola elektromagnetyczne do środowiska – stacja bazowa telefonii komórkowej.

Klasyfikacja rodzaju terenu wg wytycznych przedmiotowego Rozporządzenia:

Pozostałe miasta (do 50 tys. mieszkańców).

Nomenklatura jednostki terytorialnej (NTS):

Bieruń 5.2.24.51.14.01.1

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

N 50°04'54.3"

E 19°09'36.4";

Wysokość lokalizacji punktu pomiarowego:

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

Odległości punktu pomiarowego od elewacji najbliższych obiektów mieszkalnych wielorodzinnych zlokalizowanej w pobliżu przekroju pomiarowego poziomów pól w środowisku:

l = 25 [m] - od elewacji budynku mieszkalnego wielorodzinnego przy ul. Granitowej.

Lokalizacja punktu pomiarowego – trawnik przed budynkiem przy ul. Granitowej 28-29.

4. METODYKA BADAŃ

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

5. WYPOSAŻENIE POMIAROWE

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

Pomiarów warunków meteorologicznych dokonano przy pomocy anemometru Kestrel 4500. Szczegółowe dane identyfikacyjne przyrządów przedstawiono w tabeli 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-0777 Producent: Narda Safety Test Solutions GmbH, Niemcy;	Przyrząd pomiarowy	Typ: KESTREL 4500 S. no.: 598799 Producent: Nielsen-Kellerman
Sonda pomiarowa	Typ: EF0391, E-Field P/N: 2402/01 S/N: A-0882 Producent: j.w. Zakres: 100 kHz – 3 GHz Charakterystyka częstotliwościowa czułości: +/- 1 dB (1MHz – 1 GHz) +/- 1,25dB (1GHz – 2,45 GHz)		
Data i czasokres pomiarów	10-06-2015r.	Wyniki pomiarów:	
	10:43:14–12:43:14	T [°C]	18,5 – 22,0
		RH [%]	41,8 – 50,4
Częstotliwość próbkowania	f: 10 sec.	UWAGI: Pogodnie; Brak opadów atmosferycznych	

Gdzie:

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

Zastosowany przyrząd pomiarowy poziomów pól oraz sonda pomiarowa poziomów pól posiadają stosowne *świadczenia wzorcowania* nr LWiMP/W/185/14 z dnia 6 października 2014 r. wydane przez Laboratorium Wzorców i Metrologii Pola Elektromagnetycznego (LWiMP) Politechniki Wrocławskiej.

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

6. INFORMACJE NA TEMAT INSTALACJI RADIOKOMUNIKACYJNYCH, RADIOLOKACYJNYCH, RADIONAWIGACYJNYCH REJONU BADAŃ PÓL ELEKTROMAGNETYCZNYCH ^{*)}

(- w rozumieniu wymagań przedmiotowego Rozporządzenia)*

W odległości około 290 m od punktu pomiarowego P-1, w kierunku północno-wschodnim, na obiekcie przemysłowym należącym do KWK Piast, zainstalowano anteny nadawczo-odbiorcze stacji bazowej telefonii komórkowej, administrowanej przez Polkomtel Sp. z o.o. W tabeli 2 przedstawiono wyspecyfikowane parametry instalacji, zebrane na podstawie materiałów uzyskanych od operatorów instalacji.

Tabela 2

Zarządzający instalacją: Polkomtel Sp. z o.o. ul. Konduktorska 4, 02-673 Warszawa,					
Nazwa instalacji wg nomenklatury użytkownika: Stacja bazowa nr: BT-24018					
Lokalizacja: Bieruń, ul. Granitowa 16, teren kopalni					
Lp.	Azymut [^o]	Typ anteny	Pasmo (system) pracy [MHz]	Wysokość zawieszenia H [m] n.p.t.	EIRP _{max} [W]
1.	30	Antena sektorowa	900 (GSM) 900 (UMTS)	41,3	4513
2.	130	Antena sektorowa	900 (GSM) 900 (UMTS)	31,0	4287
3.	250	Antena sektorowa	900 (GSM) 900 (UMTS)	41,0	3366
4.	30	Antena sektorowa	1800 (LTE)	41,3	2557
5.	130	Antena sektorowa	1800 (LTE)	31,0	3221
6.	250	Antena sektorowa	1800 (LTE)	41,3	2224
7.	30	Antena sektorowa	800 (LTE)	41,3	1814
8.	130	Antena sektorowa	800 (LTE)	31,0	1672
9.	250	Antena sektorowa	800 (LTE)	41,3	1354
EIRP _{max} , łącznie ze wszystkich anten sektorowych instalacji: 25 008 [W]					

Objaśnienia:

EIRP_{max} – wartości max mocy promieniowania równoważnej izotropowo, [W].

7. WYNIKI BADAŃ

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

Tabela 3

Lp.	Punkt pomiarowy poziomów pól elektromagnetycznych w środowisku	Natężenie pola elektrycznego E^{**} [V/m]	Niepewność pomiaru $U_{E,0,95}$ [dB]
1.	P-1 ul. Granitowa Miasto – Bieruń	0,62	2,5

Objaśnienia:

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

8. ZAŁĄCZNIKI1. *Raport pomiarowy*

- w postaci elektronicznej, zarchiwizowany w siedzibie Laboratorium WIOŚ;

2. *Fotografie rejonu badań, szt. 4.*3. *Szkic sytuacyjny rejonu badań.*

Data wydania:		
Pomiary i sprawozdanie wykonał:	Sprawozdanie autoryzował:	Zatwierdził:
.....

Załącznik nr 1 do Sprawozdania z badań nr 320/2015

Instrument / Site

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

Site	Coordinates
P-1, ul. Granitowa, Miasto - Bieruń, Powiat - bieruńsko-lędziński, Województwo - śląskie	Latitude: 50°4'54.3" N Longitude: 19°9'36.4" E

Comment
Pomiary poziomów pól elektromagnetycznych 100 kHz - 3 GHz (składowej elektrycznej E) w środowisku; 10.06.2015 r., Bieruń, woj. śląskie; Ryc. Wykres zależności zmian natężenia składowej elektrycznej pola w funkcji czasu, marker - wartość średnia max elementarna interwału dT: 10 sec, w przedziale czasokresu obserwacji T: 2.00 h, w środowisku, Program Państwowego Monitoringu Środowiska 2015 rok

Measured Values

Zoomed

Timer: Start Time 10:43:14 AM, Period 2h 0' 0", Interval 10s

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
1	06/10/2015 10:43:24 AM		0.7977 V/m	0.6791 V/m	0.5923 V/m
2	06/10/2015 10:43:34 AM	!	0.6521 V/m	0.6400 V/m	0.6233 V/m
3	06/10/2015 10:43:44 AM		0.7313 V/m	0.6593 V/m	0.6194 V/m
4	06/10/2015 10:43:54 AM		0.6893 V/m	0.6456 V/m	0.6286 V/m
5	06/10/2015 10:44:04 AM		0.7119 V/m	0.6446 V/m	0.6136 V/m
6	06/10/2015 10:44:14 AM		0.7054 V/m	0.6476 V/m	0.6207 V/m
7	06/10/2015 10:44:24 AM		0.6983 V/m	0.6251 V/m	0.5982 V/m
8	06/10/2015 10:44:34 AM		0.7484 V/m	0.6408 V/m	0.6060 V/m
9	06/10/2015 10:44:44 AM		0.7750 V/m	0.6750 V/m	0.6225 V/m
10	06/10/2015 10:44:54 AM		0.7185 V/m	0.6484 V/m	0.6131 V/m
11	06/10/2015 10:45:04 AM		0.6588 V/m	0.6274 V/m	0.6050 V/m
12	06/10/2015 10:45:14 AM		0.6683 V/m	0.6264 V/m	0.5991 V/m
13	06/10/2015 10:45:24 AM		0.7362 V/m	0.6572 V/m	0.5792 V/m
14	06/10/2015 10:45:34 AM		0.7487 V/m	0.6366 V/m	0.5950 V/m
15	06/10/2015 10:45:44 AM		0.6821 V/m	0.6162 V/m	0.5913 V/m
16	06/10/2015 10:45:54 AM		0.6621 V/m	0.6328 V/m	0.6202 V/m
17	06/10/2015 10:46:04 AM		0.6588 V/m	0.6274 V/m	0.6023 V/m
18	06/10/2015 10:46:14 AM		0.6500 V/m	0.6150 V/m	0.5895 V/m
19	06/10/2015 10:46:24 AM		0.7502 V/m	0.6567 V/m	0.6010 V/m
20	06/10/2015 10:46:34 AM		0.7487 V/m	0.6469 V/m	0.6032 V/m
21	06/10/2015 10:46:44 AM		0.6580 V/m	0.6340 V/m	0.6032 V/m
22	06/10/2015 10:46:54 AM		0.7354 V/m	0.6209 V/m	0.5839 V/m
23	06/10/2015 10:47:04 AM		0.7604 V/m	0.6959 V/m	0.6082 V/m
24	06/10/2015 10:47:14 AM		0.7498 V/m	0.6545 V/m	0.6055 V/m
25	06/10/2015 10:47:24 AM		0.7403 V/m	0.6643 V/m	0.6158 V/m
26	06/10/2015 10:47:34 AM		0.7664 V/m	0.6464 V/m	0.6078 V/m
27	06/10/2015 10:47:44 AM		0.7332 V/m	0.6580 V/m	0.6046 V/m
28	06/10/2015 10:47:54 AM		0.7425 V/m	0.6935 V/m	0.6136 V/m
29	06/10/2015 10:48:04 AM		0.7820 V/m	0.7176 V/m	0.6277 V/m
30	06/10/2015 10:48:14 AM		0.7458 V/m	0.6449 V/m	0.5895 V/m
31	06/10/2015 10:48:24 AM		0.6960 V/m	0.6278 V/m	0.5982 V/m
32	06/10/2015 10:48:34 AM		0.6662 V/m	0.6358 V/m	0.6010 V/m
33	06/10/2015 10:48:44 AM		0.6720 V/m	0.6284 V/m	0.5890 V/m
34	06/10/2015 10:48:54 AM		0.7200 V/m	0.6295 V/m	0.5927 V/m
35	06/10/2015 10:49:04 AM		0.7578 V/m	0.6568 V/m	0.6105 V/m
36	06/10/2015 10:49:14 AM		0.7473 V/m	0.6840 V/m	0.6136 V/m
37	06/10/2015 10:49:24 AM		0.7813 V/m	0.6859 V/m	0.6385 V/m
38	06/10/2015 10:49:34 AM		0.7538 V/m	0.7120 V/m	0.6286 V/m
39	06/10/2015 10:49:44 AM		0.7887 V/m	0.7009 V/m	0.6449 V/m
40	06/10/2015 10:49:54 AM		0.7679 V/m	0.7045 V/m	0.6281 V/m
41	06/10/2015 10:50:04 AM		0.7761 V/m	0.6813 V/m	0.6299 V/m
42	06/10/2015 10:50:14 AM		0.7973 V/m	0.7139 V/m	0.6555 V/m
43	06/10/2015 10:50:24 AM		0.8480 V/m	0.7134 V/m	0.6609 V/m
44	06/10/2015 10:50:34 AM		0.8628 V/m	0.7399 V/m	0.6398 V/m
45	06/10/2015 10:50:44 AM		0.7096 V/m	0.6577 V/m	0.6402 V/m
46	06/10/2015 10:50:54 AM		0.7188 V/m	0.6582 V/m	0.6325 V/m
47	06/10/2015 10:51:04 AM		0.7283 V/m	0.6679 V/m	0.6338 V/m
48	06/10/2015 10:51:14 AM		0.7506 V/m	0.6917 V/m	0.6211 V/m
49	06/10/2015 10:51:24 AM		0.7600 V/m	0.6648 V/m	0.6255 V/m
50	06/10/2015 10:51:34 AM		0.6960 V/m	0.6650 V/m	0.6073 V/m
51	06/10/2015 10:51:44 AM		0.7065 V/m	0.6549 V/m	0.6198 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
52	06/10/2015 10:51:54 AM		0.8126 V/m	0.6824 V/m	0.6167 V/m
53	06/10/2015 10:52:04 AM		0.7166 V/m	0.6669 V/m	0.6312 V/m
54	06/10/2015 10:52:14 AM		0.7027 V/m	0.6255 V/m	0.5834 V/m
55	06/10/2015 10:52:24 AM		0.6809 V/m	0.6279 V/m	0.6032 V/m
56	06/10/2015 10:52:34 AM		0.6571 V/m	0.6372 V/m	0.6073 V/m
57	06/10/2015 10:52:44 AM		0.6398 V/m	0.6245 V/m	0.6005 V/m
58	06/10/2015 10:52:54 AM		0.6740 V/m	0.6440 V/m	0.6163 V/m
59	06/10/2015 10:53:04 AM		0.6728 V/m	0.6346 V/m	0.5991 V/m
60	06/10/2015 10:53:14 AM		0.6760 V/m	0.6296 V/m	0.6001 V/m
61	06/10/2015 10:53:24 AM		0.7058 V/m	0.6471 V/m	0.5973 V/m
62	06/10/2015 10:53:34 AM		0.6881 V/m	0.6433 V/m	0.6189 V/m
63	06/10/2015 10:53:44 AM		0.6865 V/m	0.6441 V/m	0.6185 V/m
64	06/10/2015 10:53:54 AM		0.7261 V/m	0.6591 V/m	0.6064 V/m
65	06/10/2015 10:54:04 AM		0.6768 V/m	0.6463 V/m	0.6312 V/m
66	06/10/2015 10:54:14 AM		0.7093 V/m	0.6678 V/m	0.6198 V/m
67	06/10/2015 10:54:24 AM		0.6613 V/m	0.6296 V/m	0.6087 V/m
68	06/10/2015 10:54:34 AM		0.6829 V/m	0.6369 V/m	0.6041 V/m
69	06/10/2015 10:54:44 AM		0.6634 V/m	0.6212 V/m	0.5913 V/m
70	06/10/2015 10:54:54 AM		0.6517 V/m	0.6195 V/m	0.5991 V/m
71	06/10/2015 10:55:04 AM		0.6707 V/m	0.6281 V/m	0.5996 V/m
72	06/10/2015 10:55:14 AM		0.6312 V/m	0.6167 V/m	0.5932 V/m
73	06/10/2015 10:55:24 AM		0.7166 V/m	0.6091 V/m	0.5715 V/m
74	06/10/2015 10:55:34 AM		0.7104 V/m	0.6495 V/m	0.6127 V/m
75	06/10/2015 10:55:44 AM		0.6777 V/m	0.6414 V/m	0.6082 V/m
76	06/10/2015 10:55:54 AM		0.6675 V/m	0.6363 V/m	0.6042 V/m
77	06/10/2015 10:56:04 AM		0.7429 V/m	0.6464 V/m	0.6055 V/m
78	06/10/2015 10:56:14 AM		0.6658 V/m	0.6329 V/m	0.6014 V/m
79	06/10/2015 10:56:24 AM		0.6744 V/m	0.6415 V/m	0.6154 V/m
80	06/10/2015 10:56:34 AM		0.6666 V/m	0.6246 V/m	0.5946 V/m
81	06/10/2015 10:56:44 AM		0.7120 V/m	0.6409 V/m	0.6051 V/m
82	06/10/2015 10:56:54 AM		0.6813 V/m	0.6460 V/m	0.6032 V/m
83	06/10/2015 10:57:04 AM		0.6956 V/m	0.6462 V/m	0.6149 V/m
84	06/10/2015 10:57:14 AM		0.6740 V/m	0.6374 V/m	0.5982 V/m
85	06/10/2015 10:57:24 AM		0.6634 V/m	0.6349 V/m	0.6023 V/m
86	06/10/2015 10:57:34 AM		0.6600 V/m	0.6340 V/m	0.6118 V/m
87	06/10/2015 10:57:44 AM		0.6777 V/m	0.6133 V/m	0.5843 V/m
88	06/10/2015 10:57:54 AM		0.7550 V/m	0.6539 V/m	0.5839 V/m
89	06/10/2015 10:58:04 AM		0.6952 V/m	0.6619 V/m	0.5982 V/m
90	06/10/2015 10:58:14 AM		0.6869 V/m	0.6368 V/m	0.5936 V/m
91	06/10/2015 10:58:24 AM		0.6551 V/m	0.6292 V/m	0.6087 V/m
92	06/10/2015 10:58:34 AM		0.6576 V/m	0.6227 V/m	0.5923 V/m
93	06/10/2015 10:58:44 AM		0.6424 V/m	0.6082 V/m	0.5946 V/m
94	06/10/2015 10:58:54 AM		0.6325 V/m	0.6103 V/m	0.5792 V/m
95	06/10/2015 10:59:04 AM		0.6487 V/m	0.6077 V/m	0.5857 V/m
96	06/10/2015 10:59:14 AM		0.6424 V/m	0.6157 V/m	0.5922 V/m
97	06/10/2015 10:59:24 AM		0.6667 V/m	0.6301 V/m	0.5876 V/m
98	06/10/2015 10:59:34 AM		0.6889 V/m	0.6401 V/m	0.5982 V/m
99	06/10/2015 10:59:44 AM		0.6699 V/m	0.6381 V/m	0.5913 V/m
100	06/10/2015 10:59:54 AM		0.7050 V/m	0.6649 V/m	0.6032 V/m
101	06/10/2015 11:00:04 AM		0.6861 V/m	0.6667 V/m	0.6530 V/m
102	06/10/2015 11:00:14 AM		0.6925 V/m	0.6554 V/m	0.6299 V/m
103	06/10/2015 11:00:24 AM		0.6837 V/m	0.6634 V/m	0.6198 V/m
104	06/10/2015 11:00:34 AM		0.6415 V/m	0.5976 V/m	0.5754 V/m
105	06/10/2015 11:00:44 AM		0.6368 V/m	0.6019 V/m	0.5834 V/m
106	06/10/2015 11:00:54 AM		0.6509 V/m	0.6127 V/m	0.5843 V/m
107	06/10/2015 11:01:04 AM		0.6303 V/m	0.5972 V/m	0.5768 V/m
108	06/10/2015 11:01:14 AM		0.6760 V/m	0.6093 V/m	0.5749 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
109	06/10/2015 11:01:24 AM		0.6691 V/m	0.6303 V/m	0.5806 V/m
110	06/10/2015 11:01:34 AM		0.6642 V/m	0.6204 V/m	0.5923 V/m
111	06/10/2015 11:01:44 AM		0.8083 V/m	0.6884 V/m	0.6023 V/m
112	06/10/2015 11:01:54 AM		0.8059 V/m	0.7108 V/m	0.6466 V/m
113	06/10/2015 11:02:04 AM		0.7414 V/m	0.6688 V/m	0.6149 V/m
114	06/10/2015 11:02:14 AM		0.6837 V/m	0.6396 V/m	0.6096 V/m
115	06/10/2015 11:02:24 AM		0.7200 V/m	0.6174 V/m	0.5692 V/m
116	06/10/2015 11:02:34 AM		0.6736 V/m	0.6316 V/m	0.5913 V/m
117	06/10/2015 11:02:44 AM		0.6805 V/m	0.6262 V/m	0.5825 V/m
118	06/10/2015 11:02:54 AM		0.7100 V/m	0.6038 V/m	0.5633 V/m
119	06/10/2015 11:03:04 AM		0.6508 V/m	0.6062 V/m	0.5682 V/m
120	06/10/2015 11:03:14 AM		0.6299 V/m	0.5912 V/m	0.5609 V/m
121	06/10/2015 11:03:24 AM		0.6789 V/m	0.6074 V/m	0.5715 V/m
122	06/10/2015 11:03:34 AM		0.6364 V/m	0.6021 V/m	0.5768 V/m
123	06/10/2015 11:03:44 AM		0.6760 V/m	0.6305 V/m	0.6014 V/m
124	06/10/2015 11:03:54 AM		0.6764 V/m	0.6271 V/m	0.6014 V/m
125	06/10/2015 11:04:04 AM		0.6654 V/m	0.6187 V/m	0.5890 V/m
126	06/10/2015 11:04:14 AM		0.6609 V/m	0.6006 V/m	0.5672 V/m
127	06/10/2015 11:04:24 AM		0.6325 V/m	0.6017 V/m	0.5811 V/m
128	06/10/2015 11:04:34 AM		0.6458 V/m	0.5947 V/m	0.5672 V/m
129	06/10/2015 11:04:44 AM		0.7246 V/m	0.6078 V/m	0.5590 V/m
130	06/10/2015 11:04:54 AM		0.6475 V/m	0.5999 V/m	0.5687 V/m
131	06/10/2015 11:05:04 AM		0.7615 V/m	0.6676 V/m	0.5862 V/m
132	06/10/2015 11:05:14 AM		0.7384 V/m	0.6159 V/m	0.5730 V/m
133	06/10/2015 11:05:24 AM		0.7253 V/m	0.6422 V/m	0.5857 V/m
134	06/10/2015 11:05:34 AM		0.7761 V/m	0.6532 V/m	0.5754 V/m
135	06/10/2015 11:05:44 AM		0.8004 V/m	0.7367 V/m	0.6087 V/m
136	06/10/2015 11:05:54 AM		0.8124 V/m	0.7436 V/m	0.6100 V/m
137	06/10/2015 11:06:04 AM		0.6347 V/m	0.6143 V/m	0.5946 V/m
138	06/10/2015 11:06:14 AM		0.7719 V/m	0.6718 V/m	0.5987 V/m
139	06/10/2015 11:06:24 AM		0.7803 V/m	0.7324 V/m	0.6028 V/m
140	06/10/2015 11:06:34 AM		0.7679 V/m	0.6580 V/m	0.5927 V/m
141	06/10/2015 11:06:44 AM		0.6865 V/m	0.6292 V/m	0.5904 V/m
142	06/10/2015 11:06:54 AM		0.7436 V/m	0.6441 V/m	0.5867 V/m
143	06/10/2015 11:07:04 AM		0.7212 V/m	0.6401 V/m	0.6046 V/m
144	06/10/2015 11:07:14 AM		0.6781 V/m	0.6430 V/m	0.6203 V/m
145	06/10/2015 11:07:24 AM		0.7407 V/m	0.6519 V/m	0.6118 V/m
146	06/10/2015 11:07:34 AM		0.7354 V/m	0.6629 V/m	0.6073 V/m
147	06/10/2015 11:07:44 AM		0.7238 V/m	0.6614 V/m	0.6001 V/m
148	06/10/2015 11:07:54 AM		0.7101 V/m	0.6516 V/m	0.6176 V/m
149	06/10/2015 11:08:04 AM		0.7242 V/m	0.6597 V/m	0.5992 V/m
150	06/10/2015 11:08:14 AM		0.7977 V/m	0.6565 V/m	0.6127 V/m
151	06/10/2015 11:08:24 AM		0.7984 V/m	0.6972 V/m	0.6592 V/m
152	06/10/2015 11:08:34 AM		0.7672 V/m	0.6862 V/m	0.6216 V/m
153	06/10/2015 11:08:44 AM		0.7181 V/m	0.6487 V/m	0.6198 V/m
154	06/10/2015 11:08:54 AM		0.7473 V/m	0.6918 V/m	0.6225 V/m
155	06/10/2015 11:09:04 AM		0.8454 V/m	0.7107 V/m	0.6277 V/m
156	06/10/2015 11:09:14 AM		0.7661 V/m	0.7248 V/m	0.6897 V/m
157	06/10/2015 11:09:24 AM		0.7693 V/m	0.6823 V/m	0.6325 V/m
158	06/10/2015 11:09:34 AM		0.7564 V/m	0.6832 V/m	0.6483 V/m
159	06/10/2015 11:09:44 AM		0.7089 V/m	0.6635 V/m	0.6163 V/m
160	06/10/2015 11:09:54 AM		0.7789 V/m	0.6856 V/m	0.6372 V/m
161	06/10/2015 11:10:04 AM		0.7440 V/m	0.6913 V/m	0.6592 V/m
162	06/10/2015 11:10:14 AM		0.7403 V/m	0.6982 V/m	0.6225 V/m
163	06/10/2015 11:10:24 AM		0.6909 V/m	0.6410 V/m	0.6198 V/m
164	06/10/2015 11:10:34 AM		0.7219 V/m	0.6588 V/m	0.6185 V/m
165	06/10/2015 11:10:44 AM		0.7127 V/m	0.6563 V/m	0.6229 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
166	06/10/2015 11:10:54 AM		0.7062 V/m	0.6564 V/m	0.6282 V/m
167	06/10/2015 11:11:04 AM		0.7509 V/m	0.6776 V/m	0.6377 V/m
168	06/10/2015 11:11:14 AM		0.7354 V/m	0.6769 V/m	0.6123 V/m
169	06/10/2015 11:11:24 AM		0.7066 V/m	0.6809 V/m	0.6534 V/m
170	06/10/2015 11:11:34 AM		0.7093 V/m	0.6653 V/m	0.6233 V/m
171	06/10/2015 11:11:44 AM		0.7120 V/m	0.6850 V/m	0.6571 V/m
172	06/10/2015 11:11:54 AM		0.7124 V/m	0.6813 V/m	0.6650 V/m
173	06/10/2015 11:12:04 AM		0.7366 V/m	0.6580 V/m	0.6037 V/m
174	06/10/2015 11:12:14 AM		0.7177 V/m	0.6731 V/m	0.6458 V/m
175	06/10/2015 11:12:24 AM		0.6857 V/m	0.6466 V/m	0.5595 V/m
176	06/10/2015 11:12:34 AM		0.6821 V/m	0.6238 V/m	0.5806 V/m
177	06/10/2015 11:12:44 AM		0.6988 V/m	0.6602 V/m	0.6273 V/m
178	06/10/2015 11:12:54 AM		0.7481 V/m	0.6597 V/m	0.6295 V/m
179	06/10/2015 11:13:04 AM		0.7898 V/m	0.7089 V/m	0.6299 V/m
180	06/10/2015 11:13:14 AM		0.8025 V/m	0.6969 V/m	0.6211 V/m
181	06/10/2015 11:13:24 AM		0.7077 V/m	0.6715 V/m	0.6385 V/m
182	06/10/2015 11:13:34 AM		0.7381 V/m	0.6705 V/m	0.6046 V/m
183	06/10/2015 11:13:44 AM		0.7265 V/m	0.6256 V/m	0.5834 V/m
184	06/10/2015 11:13:54 AM		0.6667 V/m	0.6454 V/m	0.6247 V/m
185	06/10/2015 11:14:04 AM		0.6893 V/m	0.6438 V/m	0.5730 V/m
186	06/10/2015 11:14:14 AM		0.7112 V/m	0.6587 V/m	0.5677 V/m
187	06/10/2015 11:14:24 AM		0.7135 V/m	0.6464 V/m	0.5792 V/m
188	06/10/2015 11:14:34 AM		0.6492 V/m	0.5988 V/m	0.5677 V/m
189	06/10/2015 11:14:44 AM		0.6825 V/m	0.6038 V/m	0.5580 V/m
190	06/10/2015 11:14:54 AM		0.6571 V/m	0.6125 V/m	0.5773 V/m
191	06/10/2015 11:15:04 AM		0.7143 V/m	0.6261 V/m	0.5609 V/m
192	06/10/2015 11:15:14 AM		0.6720 V/m	0.6230 V/m	0.5735 V/m
193	06/10/2015 11:15:24 AM		0.6853 V/m	0.6132 V/m	0.5763 V/m
194	06/10/2015 11:15:34 AM		0.6290 V/m	0.5978 V/m	0.5619 V/m
195	06/10/2015 11:15:44 AM		0.6132 V/m	0.5938 V/m	0.5716 V/m
196	06/10/2015 11:15:54 AM		0.6999 V/m	0.6274 V/m	0.5959 V/m
197	06/10/2015 11:16:04 AM		0.6744 V/m	0.6304 V/m	0.6001 V/m
198	06/10/2015 11:16:14 AM		0.7768 V/m	0.7347 V/m	0.6264 V/m
199	06/10/2015 11:16:24 AM		0.7859 V/m	0.7634 V/m	0.7440 V/m
200	06/10/2015 11:16:34 AM		0.7775 V/m	0.6950 V/m	0.6238 V/m
201	06/10/2015 11:16:44 AM		0.6621 V/m	0.6392 V/m	0.6105 V/m
202	06/10/2015 11:16:54 AM		0.6663 V/m	0.6311 V/m	0.6109 V/m
203	06/10/2015 11:17:04 AM		0.6667 V/m	0.6304 V/m	0.6087 V/m
204	06/10/2015 11:17:14 AM		0.6517 V/m	0.6209 V/m	0.5881 V/m
205	06/10/2015 11:17:24 AM		0.6563 V/m	0.6178 V/m	0.5872 V/m
206	06/10/2015 11:17:34 AM		0.6373 V/m	0.6086 V/m	0.5839 V/m
207	06/10/2015 11:17:44 AM		0.6789 V/m	0.6097 V/m	0.5811 V/m
208	06/10/2015 11:17:54 AM		0.6825 V/m	0.6110 V/m	0.5843 V/m
209	06/10/2015 11:18:04 AM		0.6325 V/m	0.6043 V/m	0.5730 V/m
210	06/10/2015 11:18:14 AM		0.6650 V/m	0.6089 V/m	0.5801 V/m
211	06/10/2015 11:18:24 AM		0.6308 V/m	0.5832 V/m	0.5565 V/m
212	06/10/2015 11:18:34 AM		0.6055 V/m	0.5786 V/m	0.5550 V/m
213	06/10/2015 11:18:44 AM		0.6046 V/m	0.5843 V/m	0.5658 V/m
214	06/10/2015 11:18:54 AM		0.6023 V/m	0.5781 V/m	0.5585 V/m
215	06/10/2015 11:19:04 AM		0.7219 V/m	0.5934 V/m	0.5511 V/m
216	06/10/2015 11:19:14 AM		0.6813 V/m	0.6189 V/m	0.5580 V/m
217	06/10/2015 11:19:24 AM		0.6216 V/m	0.5817 V/m	0.5530 V/m
218	06/10/2015 11:19:34 AM		0.6683 V/m	0.5857 V/m	0.5550 V/m
219	06/10/2015 11:19:44 AM		0.6646 V/m	0.6123 V/m	0.5711 V/m
220	06/10/2015 11:19:54 AM		0.7050 V/m	0.6495 V/m	0.6028 V/m
221	06/10/2015 11:20:04 AM		0.6885 V/m	0.6413 V/m	0.6019 V/m
222	06/10/2015 11:20:14 AM		0.6897 V/m	0.6703 V/m	0.6390 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
223	06/10/2015 11:20:24 AM		0.6901 V/m	0.6402 V/m	0.5839 V/m
224	06/10/2015 11:20:34 AM		0.6897 V/m	0.6460 V/m	0.5959 V/m
225	06/10/2015 11:20:44 AM		0.6853 V/m	0.6605 V/m	0.6329 V/m
226	06/10/2015 11:20:54 AM		0.6841 V/m	0.6629 V/m	0.6394 V/m
227	06/10/2015 11:21:04 AM		0.7593 V/m	0.6740 V/m	0.6069 V/m
228	06/10/2015 11:21:14 AM		0.6342 V/m	0.5983 V/m	0.5801 V/m
229	06/10/2015 11:21:24 AM		0.6679 V/m	0.5986 V/m	0.5629 V/m
230	06/10/2015 11:21:34 AM		0.6996 V/m	0.5938 V/m	0.5687 V/m
231	06/10/2015 11:21:44 AM		0.6198 V/m	0.5945 V/m	0.5720 V/m
232	06/10/2015 11:21:54 AM		0.6338 V/m	0.6067 V/m	0.5725 V/m
233	06/10/2015 11:22:04 AM		0.6411 V/m	0.5963 V/m	0.5720 V/m
234	06/10/2015 11:22:14 AM		0.6407 V/m	0.6017 V/m	0.5820 V/m
235	06/10/2015 11:22:24 AM		0.6411 V/m	0.6091 V/m	0.5839 V/m
236	06/10/2015 11:22:34 AM		0.7104 V/m	0.6381 V/m	0.5872 V/m
237	06/10/2015 11:22:44 AM		0.7093 V/m	0.6569 V/m	0.5923 V/m
238	06/10/2015 11:22:54 AM		0.6728 V/m	0.6105 V/m	0.5759 V/m
239	06/10/2015 11:23:04 AM		0.6351 V/m	0.5912 V/m	0.5599 V/m
240	06/10/2015 11:23:14 AM		0.6251 V/m	0.5888 V/m	0.5687 V/m
241	06/10/2015 11:23:24 AM		0.6321 V/m	0.6013 V/m	0.5643 V/m
242	06/10/2015 11:23:34 AM		0.6538 V/m	0.6073 V/m	0.5716 V/m
243	06/10/2015 11:23:44 AM		0.6360 V/m	0.6007 V/m	0.5754 V/m
244	06/10/2015 11:23:54 AM		0.6571 V/m	0.6068 V/m	0.5706 V/m
245	06/10/2015 11:24:04 AM		0.6247 V/m	0.5975 V/m	0.5744 V/m
246	06/10/2015 11:24:14 AM		0.7287 V/m	0.6265 V/m	0.5978 V/m
247	06/10/2015 11:24:24 AM		0.6929 V/m	0.6147 V/m	0.5848 V/m
248	06/10/2015 11:24:34 AM		0.6621 V/m	0.6104 V/m	0.5890 V/m
249	06/10/2015 11:24:44 AM		0.6428 V/m	0.6008 V/m	0.5773 V/m
250	06/10/2015 11:24:54 AM		0.6534 V/m	0.6048 V/m	0.5820 V/m
251	06/10/2015 11:25:04 AM		0.7317 V/m	0.6127 V/m	0.5740 V/m
252	06/10/2015 11:25:14 AM		0.7200 V/m	0.6404 V/m	0.5978 V/m
253	06/10/2015 11:25:24 AM		0.6634 V/m	0.6040 V/m	0.5720 V/m
254	06/10/2015 11:25:34 AM		0.6264 V/m	0.5803 V/m	0.5575 V/m
255	06/10/2015 11:25:44 AM		0.6342 V/m	0.5941 V/m	0.5565 V/m
256	06/10/2015 11:25:54 AM		0.6264 V/m	0.5887 V/m	0.5658 V/m
257	06/10/2015 11:26:04 AM		0.6609 V/m	0.5855 V/m	0.5560 V/m
258	06/10/2015 11:26:14 AM		0.7131 V/m	0.6061 V/m	0.5555 V/m
259	06/10/2015 11:26:24 AM		0.6458 V/m	0.5924 V/m	0.5639 V/m
260	06/10/2015 11:26:34 AM		0.6299 V/m	0.5910 V/m	0.5701 V/m
261	06/10/2015 11:26:44 AM		0.6212 V/m	0.5908 V/m	0.5629 V/m
262	06/10/2015 11:26:54 AM		0.7344 V/m	0.6136 V/m	0.5667 V/m
263	06/10/2015 11:27:04 AM		0.6708 V/m	0.6120 V/m	0.5792 V/m
264	06/10/2015 11:27:14 AM		0.7031 V/m	0.6241 V/m	0.5839 V/m
265	06/10/2015 11:27:24 AM		0.6691 V/m	0.6143 V/m	0.5759 V/m
266	06/10/2015 11:27:34 AM		0.7015 V/m	0.6268 V/m	0.5834 V/m
267	06/10/2015 11:27:44 AM		0.6517 V/m	0.6145 V/m	0.5932 V/m
268	06/10/2015 11:27:54 AM		0.6555 V/m	0.6107 V/m	0.5820 V/m
269	06/10/2015 11:28:04 AM		0.6944 V/m	0.6173 V/m	0.5701 V/m
270	06/10/2015 11:28:14 AM		0.6555 V/m	0.6155 V/m	0.5811 V/m
271	06/10/2015 11:28:24 AM		0.6793 V/m	0.6116 V/m	0.5867 V/m
272	06/10/2015 11:28:34 AM		0.6504 V/m	0.6052 V/m	0.5806 V/m
273	06/10/2015 11:28:44 AM		0.6394 V/m	0.6111 V/m	0.5792 V/m
274	06/10/2015 11:28:54 AM		0.6679 V/m	0.6130 V/m	0.5787 V/m
275	06/10/2015 11:29:04 AM		0.6596 V/m	0.6161 V/m	0.5844 V/m
276	06/10/2015 11:29:14 AM		0.6445 V/m	0.6002 V/m	0.5619 V/m
277	06/10/2015 11:29:24 AM		0.6530 V/m	0.6021 V/m	0.5701 V/m
278	06/10/2015 11:29:34 AM		0.6555 V/m	0.6127 V/m	0.5927 V/m
279	06/10/2015 11:29:44 AM		0.6360 V/m	0.6080 V/m	0.5848 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
280	06/10/2015 11:29:54 AM		0.6580 V/m	0.6091 V/m	0.5801 V/m
281	06/10/2015 11:30:04 AM		0.6605 V/m	0.6229 V/m	0.5858 V/m
282	06/10/2015 11:30:14 AM		0.6817 V/m	0.6238 V/m	0.5941 V/m
283	06/10/2015 11:30:24 AM		0.7223 V/m	0.6330 V/m	0.5932 V/m
284	06/10/2015 11:30:34 AM		0.6368 V/m	0.6096 V/m	0.5825 V/m
285	06/10/2015 11:30:44 AM		0.6699 V/m	0.6169 V/m	0.5996 V/m
286	06/10/2015 11:30:54 AM		0.7513 V/m	0.6647 V/m	0.6028 V/m
287	06/10/2015 11:31:04 AM		0.7469 V/m	0.6220 V/m	0.5955 V/m
288	06/10/2015 11:31:14 AM		0.6546 V/m	0.6127 V/m	0.5862 V/m
289	06/10/2015 11:31:24 AM		0.6488 V/m	0.6076 V/m	0.5862 V/m
290	06/10/2015 11:31:34 AM		0.6458 V/m	0.6058 V/m	0.5815 V/m
291	06/10/2015 11:31:44 AM		0.6207 V/m	0.5941 V/m	0.5778 V/m
292	06/10/2015 11:31:54 AM		0.6813 V/m	0.6253 V/m	0.5876 V/m
293	06/10/2015 11:32:04 AM		0.6905 V/m	0.6195 V/m	0.5969 V/m
294	06/10/2015 11:32:14 AM		0.6646 V/m	0.6165 V/m	0.5881 V/m
295	06/10/2015 11:32:24 AM		0.6437 V/m	0.6181 V/m	0.5900 V/m
296	06/10/2015 11:32:34 AM		0.7272 V/m	0.6109 V/m	0.5806 V/m
297	06/10/2015 11:32:44 AM		0.7373 V/m	0.6328 V/m	0.5787 V/m
298	06/10/2015 11:32:54 AM		0.6555 V/m	0.6071 V/m	0.5825 V/m
299	06/10/2015 11:33:04 AM		0.6441 V/m	0.6065 V/m	0.5778 V/m
300	06/10/2015 11:33:14 AM		0.6381 V/m	0.6059 V/m	0.5862 V/m
301	06/10/2015 11:33:24 AM		0.6415 V/m	0.6065 V/m	0.5796 V/m
302	06/10/2015 11:33:34 AM		0.6132 V/m	0.5904 V/m	0.5614 V/m
303	06/10/2015 11:33:44 AM		0.7343 V/m	0.6190 V/m	0.5829 V/m
304	06/10/2015 11:33:54 AM		0.6394 V/m	0.6042 V/m	0.5782 V/m
305	06/10/2015 11:34:04 AM		0.6483 V/m	0.6009 V/m	0.5692 V/m
306	06/10/2015 11:34:14 AM		0.6765 V/m	0.6169 V/m	0.5763 V/m
307	06/10/2015 11:34:24 AM		0.6642 V/m	0.6324 V/m	0.5955 V/m
308	06/10/2015 11:34:34 AM		0.6691 V/m	0.6069 V/m	0.5820 V/m
309	06/10/2015 11:34:44 AM		0.6542 V/m	0.6142 V/m	0.5811 V/m
310	06/10/2015 11:34:54 AM		0.7012 V/m	0.6298 V/m	0.5692 V/m
311	06/10/2015 11:35:04 AM		0.6769 V/m	0.6121 V/m	0.5663 V/m
312	06/10/2015 11:35:14 AM		0.7004 V/m	0.6340 V/m	0.5950 V/m
313	06/10/2015 11:35:24 AM		0.7926 V/m	0.7270 V/m	0.6437 V/m
314	06/10/2015 11:35:34 AM		0.7803 V/m	0.7316 V/m	0.7078 V/m
315	06/10/2015 11:35:44 AM		0.7772 V/m	0.7326 V/m	0.7089 V/m
316	06/10/2015 11:35:54 AM		0.7740 V/m	0.6631 V/m	0.6005 V/m
317	06/10/2015 11:36:04 AM		0.7135 V/m	0.6491 V/m	0.6028 V/m
318	06/10/2015 11:36:14 AM		0.6567 V/m	0.6212 V/m	0.5909 V/m
319	06/10/2015 11:36:24 AM		0.6613 V/m	0.6138 V/m	0.5843 V/m
320	06/10/2015 11:36:34 AM		0.7143 V/m	0.6221 V/m	0.5735 V/m
321	06/10/2015 11:36:44 AM		0.7451 V/m	0.6178 V/m	0.5706 V/m
322	06/10/2015 11:36:54 AM		0.6592 V/m	0.6170 V/m	0.5811 V/m
323	06/10/2015 11:37:04 AM		0.6415 V/m	0.6066 V/m	0.5872 V/m
324	06/10/2015 11:37:14 AM		0.6496 V/m	0.6094 V/m	0.5744 V/m
325	06/10/2015 11:37:24 AM		0.6952 V/m	0.6337 V/m	0.5867 V/m
326	06/10/2015 11:37:34 AM		0.6877 V/m	0.6257 V/m	0.5918 V/m
327	06/10/2015 11:37:44 AM		0.6312 V/m	0.6123 V/m	0.5969 V/m
328	06/10/2015 11:37:54 AM		0.6825 V/m	0.6174 V/m	0.5820 V/m
329	06/10/2015 11:38:04 AM		0.6351 V/m	0.5949 V/m	0.5677 V/m
330	06/10/2015 11:38:14 AM		0.6471 V/m	0.6047 V/m	0.5739 V/m
331	06/10/2015 11:38:24 AM		0.6695 V/m	0.6074 V/m	0.5648 V/m
332	06/10/2015 11:38:34 AM		0.6687 V/m	0.5848 V/m	0.5580 V/m
333	06/10/2015 11:38:44 AM		0.6415 V/m	0.5777 V/m	0.5516 V/m
334	06/10/2015 11:38:54 AM		0.7100 V/m	0.6193 V/m	0.5763 V/m
335	06/10/2015 11:39:04 AM		0.6626 V/m	0.6002 V/m	0.5706 V/m
336	06/10/2015 11:39:14 AM		0.6449 V/m	0.5949 V/m	0.5604 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
337	06/10/2015 11:39:24 AM		0.6189 V/m	0.5788 V/m	0.5481 V/m
338	06/10/2015 11:39:34 AM		0.6338 V/m	0.5873 V/m	0.5585 V/m
339	06/10/2015 11:39:44 AM		0.6588 V/m	0.5958 V/m	0.5711 V/m
340	06/10/2015 11:39:54 AM		0.7093 V/m	0.6315 V/m	0.5862 V/m
341	06/10/2015 11:40:04 AM		0.6984 V/m	0.6165 V/m	0.5964 V/m
342	06/10/2015 11:40:14 AM		0.6691 V/m	0.6335 V/m	0.6069 V/m
343	06/10/2015 11:40:24 AM		0.6732 V/m	0.6261 V/m	0.5904 V/m
344	06/10/2015 11:40:34 AM		0.6538 V/m	0.6167 V/m	0.5867 V/m
345	06/10/2015 11:40:44 AM		0.6571 V/m	0.6181 V/m	0.5735 V/m
346	06/10/2015 11:40:54 AM		0.7510 V/m	0.6594 V/m	0.5815 V/m
347	06/10/2015 11:41:04 AM		0.7661 V/m	0.6486 V/m	0.6136 V/m
348	06/10/2015 11:41:14 AM		0.7204 V/m	0.6398 V/m	0.6127 V/m
349	06/10/2015 11:41:24 AM		0.6580 V/m	0.6198 V/m	0.5918 V/m
350	06/10/2015 11:41:34 AM		0.6760 V/m	0.6101 V/m	0.5754 V/m
351	06/10/2015 11:41:44 AM		0.6712 V/m	0.6093 V/m	0.5825 V/m
352	06/10/2015 11:41:54 AM		0.6720 V/m	0.5975 V/m	0.5580 V/m
353	06/10/2015 11:42:04 AM		0.6273 V/m	0.5888 V/m	0.5604 V/m
354	06/10/2015 11:42:14 AM		0.6479 V/m	0.6174 V/m	0.5829 V/m
355	06/10/2015 11:42:24 AM		0.7046 V/m	0.6453 V/m	0.6032 V/m
356	06/10/2015 11:42:34 AM		0.7410 V/m	0.6491 V/m	0.6203 V/m
357	06/10/2015 11:42:44 AM		0.6877 V/m	0.5964 V/m	0.5441 V/m
358	06/10/2015 11:42:54 AM		0.6342 V/m	0.5917 V/m	0.5658 V/m
359	06/10/2015 11:43:04 AM		0.7502 V/m	0.6499 V/m	0.5848 V/m
360	06/10/2015 11:43:14 AM		0.7238 V/m	0.6098 V/m	0.5801 V/m
361	06/10/2015 11:43:24 AM		0.7151 V/m	0.6257 V/m	0.5867 V/m
362	06/10/2015 11:43:34 AM		0.7377 V/m	0.6690 V/m	0.6342 V/m
363	06/10/2015 11:43:44 AM		0.7429 V/m	0.6420 V/m	0.5982 V/m
364	06/10/2015 11:43:54 AM		0.6211 V/m	0.6031 V/m	0.5862 V/m
365	06/10/2015 11:44:04 AM		0.6390 V/m	0.6196 V/m	0.5955 V/m
366	06/10/2015 11:44:14 AM		0.7154 V/m	0.6132 V/m	0.5825 V/m
367	06/10/2015 11:44:24 AM		0.6483 V/m	0.6027 V/m	0.5792 V/m
368	06/10/2015 11:44:34 AM		0.6441 V/m	0.6070 V/m	0.5843 V/m
369	06/10/2015 11:44:44 AM		0.6797 V/m	0.6257 V/m	0.6005 V/m
370	06/10/2015 11:44:54 AM		0.7093 V/m	0.6413 V/m	0.5890 V/m
371	06/10/2015 11:45:04 AM		0.6172 V/m	0.5940 V/m	0.5692 V/m
372	06/10/2015 11:45:14 AM		0.6504 V/m	0.6072 V/m	0.5711 V/m
373	06/10/2015 11:45:24 AM		0.7672 V/m	0.6772 V/m	0.5820 V/m
374	06/10/2015 11:45:34 AM		0.7325 V/m	0.7039 V/m	0.6671 V/m
375	06/10/2015 11:45:44 AM		0.7388 V/m	0.7199 V/m	0.7035 V/m
376	06/10/2015 11:45:54 AM		0.7644 V/m	0.7290 V/m	0.7081 V/m
377	06/10/2015 11:46:04 AM		0.7495 V/m	0.7365 V/m	0.7193 V/m
378	06/10/2015 11:46:14 AM		0.7429 V/m	0.7253 V/m	0.7105 V/m
379	06/10/2015 11:46:24 AM		0.7611 V/m	0.7400 V/m	0.7253 V/m
380	06/10/2015 11:46:34 AM		0.7455 V/m	0.7126 V/m	0.6765 V/m
381	06/10/2015 11:46:44 AM		0.7370 V/m	0.7025 V/m	0.6736 V/m
382	06/10/2015 11:46:54 AM		0.7276 V/m	0.7013 V/m	0.6728 V/m
383	06/10/2015 11:47:04 AM		0.7212 V/m	0.6391 V/m	0.5763 V/m
384	06/10/2015 11:47:14 AM		0.7377 V/m	0.6146 V/m	0.5735 V/m
385	06/10/2015 11:47:24 AM		0.6355 V/m	0.6102 V/m	0.5811 V/m
386	06/10/2015 11:47:34 AM		0.7477 V/m	0.6518 V/m	0.6042 V/m
387	06/10/2015 11:47:44 AM		0.7473 V/m	0.7284 V/m	0.7093 V/m
388	06/10/2015 11:47:54 AM		0.7495 V/m	0.7275 V/m	0.7108 V/m
389	06/10/2015 11:48:04 AM		0.7189 V/m	0.6969 V/m	0.6809 V/m
390	06/10/2015 11:48:14 AM		0.7227 V/m	0.6973 V/m	0.6781 V/m
391	06/10/2015 11:48:24 AM		0.7200 V/m	0.6856 V/m	0.5941 V/m
392	06/10/2015 11:48:34 AM		0.6316 V/m	0.5985 V/m	0.5744 V/m
393	06/10/2015 11:48:44 AM		0.6154 V/m	0.5973 V/m	0.5696 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
394	06/10/2015 11:48:54 AM		0.6321 V/m	0.5979 V/m	0.5691 V/m
395	06/10/2015 11:49:04 AM		0.6748 V/m	0.6188 V/m	0.5758 V/m
396	06/10/2015 11:49:14 AM		0.6873 V/m	0.6053 V/m	0.5768 V/m
397	06/10/2015 11:49:24 AM		0.6695 V/m	0.6146 V/m	0.5848 V/m
398	06/10/2015 11:49:34 AM		0.7166 V/m	0.6324 V/m	0.5913 V/m
399	06/10/2015 11:49:44 AM		0.6546 V/m	0.6172 V/m	0.5881 V/m
400	06/10/2015 11:49:54 AM		0.6609 V/m	0.6291 V/m	0.6100 V/m
401	06/10/2015 11:50:04 AM		0.6572 V/m	0.6335 V/m	0.6109 V/m
402	06/10/2015 11:50:14 AM		0.6321 V/m	0.6031 V/m	0.5839 V/m
403	06/10/2015 11:50:24 AM		0.6691 V/m	0.6128 V/m	0.5759 V/m
404	06/10/2015 11:50:34 AM		0.6220 V/m	0.5916 V/m	0.5725 V/m
405	06/10/2015 11:50:44 AM		0.6338 V/m	0.6088 V/m	0.5871 V/m
406	06/10/2015 11:50:54 AM		0.6801 V/m	0.6266 V/m	0.6001 V/m
407	06/10/2015 11:51:04 AM		0.6663 V/m	0.6368 V/m	0.6189 V/m
408	06/10/2015 11:51:14 AM		0.6760 V/m	0.6389 V/m	0.6033 V/m
409	06/10/2015 11:51:24 AM		0.6861 V/m	0.6490 V/m	0.6212 V/m
410	06/10/2015 11:51:34 AM		0.6853 V/m	0.6404 V/m	0.6189 V/m
411	06/10/2015 11:51:44 AM		0.6809 V/m	0.6385 V/m	0.6154 V/m
412	06/10/2015 11:51:54 AM		0.6600 V/m	0.6353 V/m	0.6082 V/m
413	06/10/2015 11:52:04 AM		0.6613 V/m	0.6253 V/m	0.5932 V/m
414	06/10/2015 11:52:14 AM		0.7147 V/m	0.6509 V/m	0.6127 V/m
415	06/10/2015 11:52:24 AM		0.6901 V/m	0.6549 V/m	0.6269 V/m
416	06/10/2015 11:52:34 AM		0.6761 V/m	0.6490 V/m	0.6150 V/m
417	06/10/2015 11:52:44 AM		0.6857 V/m	0.6477 V/m	0.6140 V/m
418	06/10/2015 11:52:54 AM		0.6948 V/m	0.6642 V/m	0.6251 V/m
419	06/10/2015 11:53:04 AM		0.7915 V/m	0.6790 V/m	0.6087 V/m
420	06/10/2015 11:53:14 AM		0.7550 V/m	0.7274 V/m	0.6781 V/m
421	06/10/2015 11:53:24 AM		0.7531 V/m	0.7230 V/m	0.5895 V/m
422	06/10/2015 11:53:34 AM		0.7918 V/m	0.7084 V/m	0.6055 V/m
423	06/10/2015 11:53:44 AM		0.7513 V/m	0.6544 V/m	0.5885 V/m
424	06/10/2015 11:53:54 AM		0.6761 V/m	0.6223 V/m	0.5872 V/m
425	06/10/2015 11:54:04 AM		0.7200 V/m	0.6063 V/m	0.5739 V/m
426	06/10/2015 11:54:14 AM		0.7488 V/m	0.6481 V/m	0.5959 V/m
427	06/10/2015 11:54:24 AM		0.6621 V/m	0.6209 V/m	0.5867 V/m
428	06/10/2015 11:54:34 AM		0.6921 V/m	0.6309 V/m	0.5969 V/m
429	06/10/2015 11:54:44 AM		0.7011 V/m	0.6250 V/m	0.5871 V/m
430	06/10/2015 11:54:54 AM		0.6373 V/m	0.6052 V/m	0.5773 V/m
431	06/10/2015 11:55:04 AM		0.6303 V/m	0.6067 V/m	0.5754 V/m
432	06/10/2015 11:55:14 AM		0.6580 V/m	0.6178 V/m	0.5834 V/m
433	06/10/2015 11:55:24 AM		0.6462 V/m	0.6061 V/m	0.5501 V/m
434	06/10/2015 11:55:34 AM		0.6398 V/m	0.5855 V/m	0.5560 V/m
435	06/10/2015 11:55:44 AM		0.7509 V/m	0.6369 V/m	0.5715 V/m
436	06/10/2015 11:55:54 AM		0.7143 V/m	0.6931 V/m	0.6123 V/m
437	06/10/2015 11:56:04 AM		0.7448 V/m	0.7129 V/m	0.6687 V/m
438	06/10/2015 11:56:14 AM		0.7269 V/m	0.6969 V/m	0.6563 V/m
439	06/10/2015 11:56:24 AM		0.6551 V/m	0.6030 V/m	0.5653 V/m
440	06/10/2015 11:56:34 AM		0.5996 V/m	0.5723 V/m	0.5545 V/m
441	06/10/2015 11:56:44 AM		0.6163 V/m	0.5674 V/m	0.5365 V/m
442	06/10/2015 11:56:54 AM		0.6141 V/m	0.5872 V/m	0.5531 V/m
443	06/10/2015 11:57:04 AM		0.6198 V/m	0.5829 V/m	0.5530 V/m
444	06/10/2015 11:57:14 AM		0.5848 V/m	0.5661 V/m	0.5421 V/m
445	06/10/2015 11:57:24 AM		0.6046 V/m	0.5793 V/m	0.5604 V/m
446	06/10/2015 11:57:34 AM		0.6233 V/m	0.5894 V/m	0.5638 V/m
447	06/10/2015 11:57:44 AM		0.6198 V/m	0.5822 V/m	0.5570 V/m
448	06/10/2015 11:57:54 AM		0.6132 V/m	0.5825 V/m	0.5585 V/m
449	06/10/2015 11:58:04 AM		0.6269 V/m	0.5825 V/m	0.5496 V/m
450	06/10/2015 11:58:14 AM		0.6325 V/m	0.5932 V/m	0.5619 V/m

Index	Date/Time	Zero	Max (E-Field)	Avg (E-Field)	Min (E-Field)
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452	06/10/2015 11:58:34 AM		0.6136 V/m	0.5868 V/m	0.5711 V/m
453	06/10/2015 11:58:44 AM		0.6605 V/m	0.6159 V/m	0.5730 V/m
454	06/10/2015 11:58:54 AM		0.6613 V/m	0.6032 V/m	0.5811 V/m
455	06/10/2015 11:59:04 AM		0.6580 V/m	0.6230 V/m	0.5969 V/m
456	06/10/2015 11:59:14 AM		0.6752 V/m	0.6293 V/m	0.6023 V/m
457	06/10/2015 11:59:24 AM		0.6588 V/m	0.6250 V/m	0.5950 V/m
458	06/10/2015 11:59:34 AM		0.6592 V/m	0.6194 V/m	0.5867 V/m
459	06/10/2015 11:59:44 AM		0.7035 V/m	0.6344 V/m	0.5978 V/m
460	06/10/2015 11:59:54 AM		0.6744 V/m	0.6274 V/m	0.5996 V/m
461	06/10/2015 12:00:04 PM		0.6667 V/m	0.6302 V/m	0.6078 V/m
462	06/10/2015 12:00:14 PM		0.6667 V/m	0.6285 V/m	0.6024 V/m
463	06/10/2015 12:00:24 PM		0.6736 V/m	0.6212 V/m	0.5895 V/m
464	06/10/2015 12:00:34 PM		0.6091 V/m	0.5911 V/m	0.5744 V/m
465	06/10/2015 12:00:44 PM		0.6513 V/m	0.6074 V/m	0.5858 V/m
466	06/10/2015 12:00:54 PM		0.6695 V/m	0.6167 V/m	0.5913 V/m
467	06/10/2015 12:01:04 PM		0.7000 V/m	0.6067 V/m	0.5739 V/m
468	06/10/2015 12:01:14 PM		0.6687 V/m	0.6119 V/m	0.5834 V/m
469	06/10/2015 12:01:24 PM		0.6679 V/m	0.6180 V/m	0.5918 V/m
470	06/10/2015 12:01:34 PM		0.6650 V/m	0.6181 V/m	0.5973 V/m
471	06/10/2015 12:01:44 PM		0.6342 V/m	0.5948 V/m	0.5754 V/m
472	06/10/2015 12:01:54 PM		0.6513 V/m	0.6000 V/m	0.5687 V/m
473	06/10/2015 12:02:04 PM		0.6546 V/m	0.5988 V/m	0.5658 V/m
474	06/10/2015 12:02:14 PM		0.6650 V/m	0.6159 V/m	0.5923 V/m
475	06/10/2015 12:02:24 PM		0.6629 V/m	0.6174 V/m	0.5881 V/m
476	06/10/2015 12:02:34 PM		0.6475 V/m	0.5912 V/m	0.5624 V/m
477	06/10/2015 12:02:44 PM		0.6550 V/m	0.6009 V/m	0.5711 V/m
478	06/10/2015 12:02:54 PM		0.6454 V/m	0.5985 V/m	0.5735 V/m
479	06/10/2015 12:03:04 PM		0.6479 V/m	0.5935 V/m	0.5609 V/m
480	06/10/2015 12:03:14 PM		0.5913 V/m	0.5672 V/m	0.5370 V/m
481	06/10/2015 12:03:24 PM		0.6407 V/m	0.5762 V/m	0.5526 V/m
482	06/10/2015 12:03:34 PM		0.6415 V/m	0.5790 V/m	0.5511 V/m
483	06/10/2015 12:03:44 PM		0.6001 V/m	0.5671 V/m	0.5415 V/m
484	06/10/2015 12:03:54 PM		0.6260 V/m	0.5868 V/m	0.5516 V/m
485	06/10/2015 12:04:04 PM		0.6286 V/m	0.5919 V/m	0.5624 V/m
486	06/10/2015 12:04:14 PM		0.6109 V/m	0.5830 V/m	0.5550 V/m
487	06/10/2015 12:04:24 PM		0.6407 V/m	0.5997 V/m	0.5619 V/m
488	06/10/2015 12:04:34 PM		0.6118 V/m	0.5810 V/m	0.5466 V/m
489	06/10/2015 12:04:44 PM		0.6992 V/m	0.6149 V/m	0.5740 V/m
490	06/10/2015 12:04:54 PM		0.6368 V/m	0.5985 V/m	0.5643 V/m
491	06/10/2015 12:05:04 PM		0.6667 V/m	0.6117 V/m	0.5820 V/m
492	06/10/2015 12:05:14 PM		0.6720 V/m	0.6219 V/m	0.5904 V/m
493	06/10/2015 12:05:24 PM		0.6789 V/m	0.6175 V/m	0.5778 V/m
494	06/10/2015 12:05:34 PM		0.6646 V/m	0.6166 V/m	0.5782 V/m
495	06/10/2015 12:05:44 PM		0.6687 V/m	0.5973 V/m	0.5643 V/m
496	06/10/2015 12:05:54 PM		0.6773 V/m	0.5998 V/m	0.5595 V/m
497	06/10/2015 12:06:04 PM		0.7440 V/m	0.6590 V/m	0.5839 V/m
498	06/10/2015 12:06:14 PM		0.7611 V/m	0.6423 V/m	0.5720 V/m
499	06/10/2015 12:06:24 PM		0.7340 V/m	0.6230 V/m	0.5811 V/m
500	06/10/2015 12:06:34 PM		0.6394 V/m	0.6022 V/m	0.5829 V/m
501	06/10/2015 12:06:44 PM		0.6869 V/m	0.6199 V/m	0.5844 V/m
502	06/10/2015 12:06:54 PM		0.6695 V/m	0.6171 V/m	0.5820 V/m
503	06/10/2015 12:07:04 PM		0.7362 V/m	0.6360 V/m	0.5950 V/m
504	06/10/2015 12:07:14 PM		0.6441 V/m	0.5875 V/m	0.5585 V/m
505	06/10/2015 12:07:24 PM		0.6988 V/m	0.5951 V/m	0.5575 V/m
506	06/10/2015 12:07:34 PM		0.6141 V/m	0.5860 V/m	0.5672 V/m
507	06/10/2015 12:07:44 PM		0.7884 V/m	0.6705 V/m	0.5735 V/m

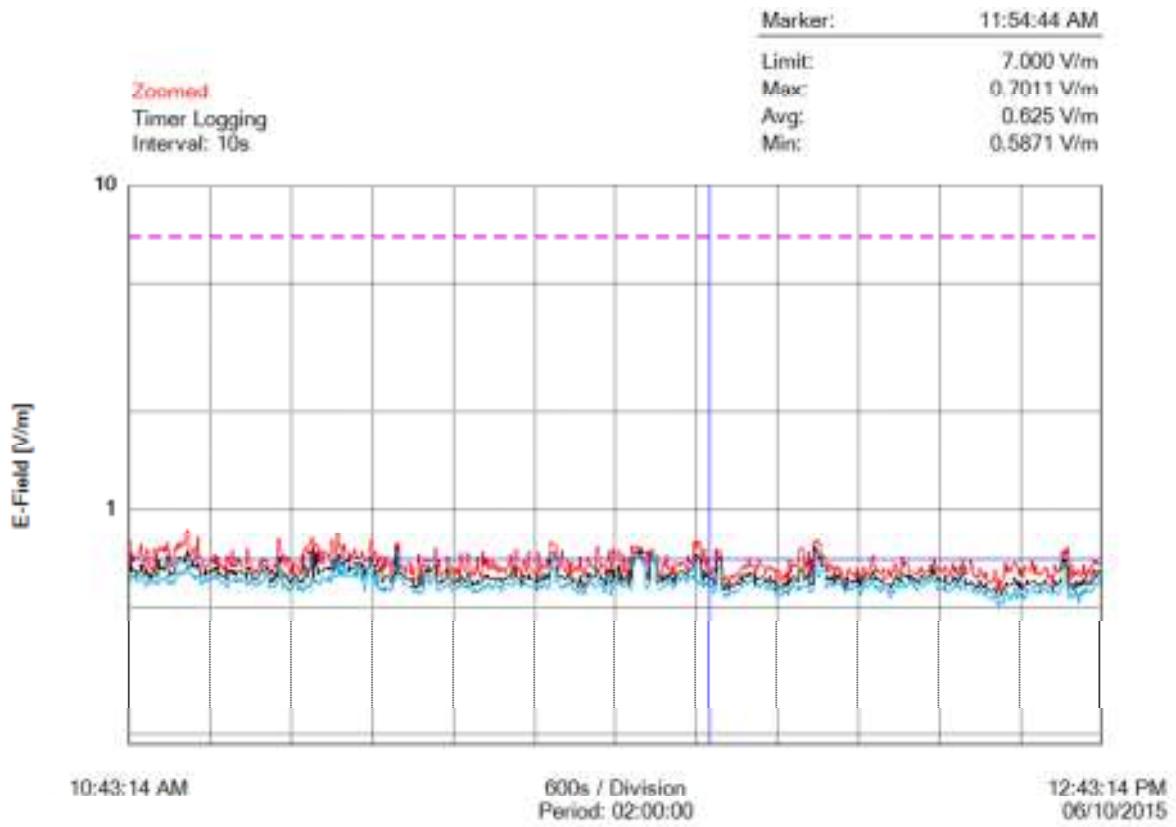
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510	06/10/2015 12:08:14 PM		0.8025 V/m	0.7354 V/m	0.6264 V/m
511	06/10/2015 12:08:24 PM		0.7719 V/m	0.7095 V/m	0.6141 V/m
512	06/10/2015 12:08:34 PM		0.7761 V/m	0.6927 V/m	0.6454 V/m
513	06/10/2015 12:08:44 PM		0.6857 V/m	0.6666 V/m	0.6509 V/m
514	06/10/2015 12:08:54 PM		0.7173 V/m	0.6736 V/m	0.6454 V/m
515	06/10/2015 12:09:04 PM		0.6944 V/m	0.6701 V/m	0.6517 V/m
516	06/10/2015 12:09:14 PM		0.6797 V/m	0.6250 V/m	0.5740 V/m
517	06/10/2015 12:09:24 PM		0.6445 V/m	0.6100 V/m	0.5867 V/m
518	06/10/2015 12:09:34 PM		0.6424 V/m	0.6174 V/m	0.5886 V/m
519	06/10/2015 12:09:44 PM		0.6781 V/m	0.6034 V/m	0.5797 V/m
520	06/10/2015 12:09:54 PM		0.6683 V/m	0.6101 V/m	0.5801 V/m
521	06/10/2015 12:10:04 PM		0.6567 V/m	0.6229 V/m	0.5946 V/m
522	06/10/2015 12:10:14 PM		0.6282 V/m	0.5988 V/m	0.5820 V/m
523	06/10/2015 12:10:24 PM		0.6638 V/m	0.6241 V/m	0.5923 V/m
524	06/10/2015 12:10:34 PM		0.6580 V/m	0.6240 V/m	0.5978 V/m
525	06/10/2015 12:10:44 PM		0.6479 V/m	0.6081 V/m	0.5867 V/m
526	06/10/2015 12:10:54 PM		0.6634 V/m	0.6284 V/m	0.5900 V/m
527	06/10/2015 12:11:04 PM		0.6312 V/m	0.6062 V/m	0.5881 V/m
528	06/10/2015 12:11:14 PM		0.6420 V/m	0.6081 V/m	0.5825 V/m
529	06/10/2015 12:11:24 PM		0.6154 V/m	0.5899 V/m	0.5672 V/m
530	06/10/2015 12:11:34 PM		0.5946 V/m	0.5729 V/m	0.5550 V/m
531	06/10/2015 12:11:44 PM		0.6212 V/m	0.5853 V/m	0.5653 V/m
532	06/10/2015 12:11:54 PM		0.6462 V/m	0.6131 V/m	0.5848 V/m
533	06/10/2015 12:12:04 PM		0.6563 V/m	0.6067 V/m	0.5725 V/m
534	06/10/2015 12:12:14 PM		0.6394 V/m	0.6024 V/m	0.5730 V/m
535	06/10/2015 12:12:24 PM		0.6295 V/m	0.5940 V/m	0.5638 V/m
536	06/10/2015 12:12:34 PM		0.6269 V/m	0.6003 V/m	0.5716 V/m
537	06/10/2015 12:12:44 PM		0.6316 V/m	0.6033 V/m	0.5792 V/m
538	06/10/2015 12:12:54 PM		0.6233 V/m	0.6007 V/m	0.5787 V/m
539	06/10/2015 12:13:04 PM		0.6571 V/m	0.6214 V/m	0.5960 V/m
540	06/10/2015 12:13:14 PM		0.6329 V/m	0.6042 V/m	0.5716 V/m
541	06/10/2015 12:13:24 PM		0.6390 V/m	0.6059 V/m	0.5658 V/m
542	06/10/2015 12:13:34 PM		0.6010 V/m	0.5802 V/m	0.5456 V/m
543	06/10/2015 12:13:44 PM		0.6229 V/m	0.5993 V/m	0.5638 V/m
544	06/10/2015 12:13:54 PM		0.6626 V/m	0.6209 V/m	0.5992 V/m
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546	06/10/2015 12:14:14 PM		0.6364 V/m	0.6027 V/m	0.5725 V/m
547	06/10/2015 12:14:24 PM		0.6251 V/m	0.6043 V/m	0.5792 V/m
548	06/10/2015 12:14:34 PM		0.6471 V/m	0.6084 V/m	0.5811 V/m
549	06/10/2015 12:14:44 PM		0.6667 V/m	0.6193 V/m	0.5848 V/m
550	06/10/2015 12:14:54 PM		0.7058 V/m	0.6332 V/m	0.5973 V/m
551	06/10/2015 12:15:04 PM		0.7150 V/m	0.6448 V/m	0.6163 V/m
552	06/10/2015 12:15:14 PM		0.6683 V/m	0.6278 V/m	0.5773 V/m
553	06/10/2015 12:15:24 PM		0.6415 V/m	0.6094 V/m	0.5716 V/m
554	06/10/2015 12:15:34 PM		0.6563 V/m	0.6155 V/m	0.5844 V/m
555	06/10/2015 12:15:44 PM		0.6433 V/m	0.6090 V/m	0.5768 V/m
556	06/10/2015 12:15:54 PM		0.6364 V/m	0.6012 V/m	0.5575 V/m
557	06/10/2015 12:16:04 PM		0.6338 V/m	0.5983 V/m	0.5629 V/m
558	06/10/2015 12:16:14 PM		0.6424 V/m	0.6072 V/m	0.5839 V/m
559	06/10/2015 12:16:24 PM		0.6555 V/m	0.5898 V/m	0.5624 V/m
560	06/10/2015 12:16:34 PM		0.6100 V/m	0.5834 V/m	0.5595 V/m
561	06/10/2015 12:16:44 PM		0.6181 V/m	0.5885 V/m	0.5682 V/m
562	06/10/2015 12:16:54 PM		0.6530 V/m	0.5882 V/m	0.5614 V/m
563	06/10/2015 12:17:04 PM		0.6368 V/m	0.5832 V/m	0.5420 V/m
564	06/10/2015 12:17:14 PM		0.6203 V/m	0.5704 V/m	0.5370 V/m

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567	06/10/2015 12:17:44 PM		0.6785 V/m	0.6131 V/m	0.5706 V/m
568	06/10/2015 12:17:54 PM		0.6671 V/m	0.6209 V/m	0.5881 V/m
569	06/10/2015 12:18:04 PM		0.6308 V/m	0.6083 V/m	0.5862 V/m
570	06/10/2015 12:18:14 PM		0.6488 V/m	0.6175 V/m	0.5973 V/m
571	06/10/2015 12:18:24 PM		0.6513 V/m	0.5993 V/m	0.5696 V/m
572	06/10/2015 12:18:34 PM		0.6509 V/m	0.5990 V/m	0.5782 V/m
573	06/10/2015 12:18:44 PM		0.7108 V/m	0.6385 V/m	0.5848 V/m
574	06/10/2015 12:18:54 PM		0.6617 V/m	0.6218 V/m	0.5960 V/m
575	06/10/2015 12:19:04 PM		0.6877 V/m	0.6187 V/m	0.5749 V/m
576	06/10/2015 12:19:14 PM		0.6813 V/m	0.6271 V/m	0.5858 V/m
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579	06/10/2015 12:19:44 PM		0.6420 V/m	0.6146 V/m	0.5927 V/m
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583	06/10/2015 12:20:24 PM		0.6386 V/m	0.6038 V/m	0.5648 V/m
584	06/10/2015 12:20:34 PM		0.6238 V/m	0.5933 V/m	0.5619 V/m
585	06/10/2015 12:20:44 PM		0.6555 V/m	0.5912 V/m	0.5643 V/m
586	06/10/2015 12:20:54 PM		0.6450 V/m	0.6119 V/m	0.5701 V/m
587	06/10/2015 12:21:04 PM		0.6596 V/m	0.6240 V/m	0.6019 V/m
588	06/10/2015 12:21:14 PM		0.6454 V/m	0.6197 V/m	0.6069 V/m
589	06/10/2015 12:21:24 PM		0.6312 V/m	0.6121 V/m	0.5830 V/m
590	06/10/2015 12:21:34 PM		0.6407 V/m	0.6135 V/m	0.5895 V/m
591	06/10/2015 12:21:44 PM		0.6428 V/m	0.6182 V/m	0.5983 V/m
592	06/10/2015 12:21:54 PM		0.6483 V/m	0.6172 V/m	0.5923 V/m
593	06/10/2015 12:22:04 PM		0.6654 V/m	0.6342 V/m	0.6055 V/m
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595	06/10/2015 12:22:24 PM		0.6437 V/m	0.6304 V/m	0.6055 V/m
596	06/10/2015 12:22:34 PM		0.7023 V/m	0.6510 V/m	0.6024 V/m
597	06/10/2015 12:22:44 PM		0.6736 V/m	0.6348 V/m	0.5982 V/m
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601	06/10/2015 12:23:24 PM		0.6605 V/m	0.5963 V/m	0.5682 V/m
602	06/10/2015 12:23:34 PM		0.6466 V/m	0.6010 V/m	0.5711 V/m
603	06/10/2015 12:23:44 PM		0.6360 V/m	0.6004 V/m	0.5768 V/m
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614	06/10/2015 12:25:34 PM		0.6234 V/m	0.6034 V/m	0.5787 V/m
615	06/10/2015 12:25:44 PM		0.6530 V/m	0.6094 V/m	0.5754 V/m
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619	06/10/2015 12:26:24 PM		0.6671 V/m	0.6113 V/m	0.5881 V/m
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621	06/10/2015 12:26:44 PM		0.6381 V/m	0.5934 V/m	0.5634 V/m

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624	06/10/2015 12:27:14 PM		0.6769 V/m	0.5918 V/m	0.5619 V/m
625	06/10/2015 12:27:24 PM		0.6260 V/m	0.5934 V/m	0.5658 V/m
626	06/10/2015 12:27:34 PM		0.6234 V/m	0.5761 V/m	0.5536 V/m
627	06/10/2015 12:27:44 PM		0.6141 V/m	0.5727 V/m	0.5491 V/m
628	06/10/2015 12:27:54 PM		0.6238 V/m	0.5787 V/m	0.5496 V/m
629	06/10/2015 12:28:04 PM		0.6185 V/m	0.5801 V/m	0.5545 V/m
630	06/10/2015 12:28:14 PM		0.6542 V/m	0.6059 V/m	0.5792 V/m
631	06/10/2015 12:28:24 PM		0.6347 V/m	0.5890 V/m	0.5624 V/m
632	06/10/2015 12:28:34 PM		0.6351 V/m	0.5823 V/m	0.5570 V/m
633	06/10/2015 12:28:44 PM		0.6132 V/m	0.5738 V/m	0.5436 V/m
634	06/10/2015 12:28:54 PM		0.6220 V/m	0.5835 V/m	0.5511 V/m
635	06/10/2015 12:29:04 PM		0.6377 V/m	0.5919 V/m	0.5744 V/m
636	06/10/2015 12:29:14 PM		0.6033 V/m	0.5671 V/m	0.5416 V/m
637	06/10/2015 12:29:24 PM		0.5927 V/m	0.5593 V/m	0.5329 V/m
638	06/10/2015 12:29:34 PM		0.5992 V/m	0.5587 V/m	0.5339 V/m
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640	06/10/2015 12:29:54 PM		0.6163 V/m	0.5699 V/m	0.5431 V/m
641	06/10/2015 12:30:04 PM		0.6504 V/m	0.5733 V/m	0.5536 V/m
642	06/10/2015 12:30:14 PM		0.5565 V/m	0.5406 V/m	0.5204 V/m
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646	06/10/2015 12:30:54 PM		0.5950 V/m	0.5525 V/m	0.5236 V/m
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648	06/10/2015 12:31:14 PM		0.6264 V/m	0.5726 V/m	0.5246 V/m
649	06/10/2015 12:31:24 PM		0.6825 V/m	0.5843 V/m	0.5476 V/m
650	06/10/2015 12:31:34 PM		0.6381 V/m	0.5948 V/m	0.5629 V/m
651	06/10/2015 12:31:44 PM		0.6671 V/m	0.5797 V/m	0.5411 V/m
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653	06/10/2015 12:32:04 PM		0.6551 V/m	0.5867 V/m	0.5461 V/m
654	06/10/2015 12:32:14 PM		0.6696 V/m	0.5935 V/m	0.5426 V/m
655	06/10/2015 12:32:24 PM		0.6870 V/m	0.6137 V/m	0.5441 V/m
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661	06/10/2015 12:33:24 PM		0.6488 V/m	0.5848 V/m	0.5491 V/m
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663	06/10/2015 12:33:44 PM		0.6638 V/m	0.5796 V/m	0.5416 V/m
664	06/10/2015 12:33:54 PM		0.6525 V/m	0.5866 V/m	0.5360 V/m
665	06/10/2015 12:34:04 PM		0.6597 V/m	0.6042 V/m	0.5706 V/m
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667	06/10/2015 12:34:24 PM		0.6487 V/m	0.5944 V/m	0.5560 V/m
668	06/10/2015 12:34:34 PM		0.6921 V/m	0.5990 V/m	0.5590 V/m
669	06/10/2015 12:34:44 PM		0.6617 V/m	0.6043 V/m	0.5768 V/m
670	06/10/2015 12:34:54 PM		0.6329 V/m	0.6000 V/m	0.5763 V/m
671	06/10/2015 12:35:04 PM		0.6745 V/m	0.5941 V/m	0.5585 V/m
672	06/10/2015 12:35:14 PM		0.6343 V/m	0.5908 V/m	0.5531 V/m
673	06/10/2015 12:35:24 PM		0.6312 V/m	0.5816 V/m	0.5501 V/m
674	06/10/2015 12:35:34 PM		0.6273 V/m	0.5877 V/m	0.5672 V/m
675	06/10/2015 12:35:44 PM		0.6373 V/m	0.5808 V/m	0.5526 V/m
676	06/10/2015 12:35:54 PM		0.6355 V/m	0.5840 V/m	0.5614 V/m
677	06/10/2015 12:36:04 PM		0.6471 V/m	0.5902 V/m	0.5668 V/m
678	06/10/2015 12:36:14 PM		0.6580 V/m	0.6053 V/m	0.5725 V/m

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681	06/10/2015 12:36:44 PM		0.6114 V/m	0.5803 V/m	0.5629 V/m
682	06/10/2015 12:36:54 PM		0.6282 V/m	0.5850 V/m	0.5580 V/m
683	06/10/2015 12:37:04 PM		0.5978 V/m	0.5658 V/m	0.5476 V/m
684	06/10/2015 12:37:14 PM		0.6176 V/m	0.5781 V/m	0.5614 V/m
685	06/10/2015 12:37:24 PM		0.6724 V/m	0.6022 V/m	0.5624 V/m
686	06/10/2015 12:37:34 PM		0.6538 V/m	0.5848 V/m	0.5565 V/m
687	06/10/2015 12:37:44 PM		0.6351 V/m	0.5887 V/m	0.5491 V/m
688	06/10/2015 12:37:54 PM		0.6445 V/m	0.5910 V/m	0.5486 V/m
689	06/10/2015 12:38:04 PM		0.6555 V/m	0.6002 V/m	0.5763 V/m
690	06/10/2015 12:38:14 PM		0.6642 V/m	0.6073 V/m	0.5759 V/m
691	06/10/2015 12:38:24 PM		0.7344 V/m	0.7026 V/m	0.6480 V/m
692	06/10/2015 12:38:34 PM		0.7193 V/m	0.6868 V/m	0.6605 V/m
693	06/10/2015 12:38:44 PM		0.7470 V/m	0.7012 V/m	0.6801 V/m
694	06/10/2015 12:38:54 PM		0.7204 V/m	0.6909 V/m	0.5960 V/m
695	06/10/2015 12:39:04 PM		0.7600 V/m	0.6605 V/m	0.5735 V/m
696	06/10/2015 12:39:14 PM		0.6960 V/m	0.5725 V/m	0.5319 V/m
697	06/10/2015 12:39:24 PM		0.6087 V/m	0.5769 V/m	0.5365 V/m
698	06/10/2015 12:39:34 PM		0.6704 V/m	0.5975 V/m	0.5565 V/m
699	06/10/2015 12:39:44 PM		0.6176 V/m	0.5642 V/m	0.5344 V/m
700	06/10/2015 12:39:54 PM		0.6437 V/m	0.5772 V/m	0.5426 V/m
701	06/10/2015 12:40:04 PM		0.6303 V/m	0.5998 V/m	0.5643 V/m
702	06/10/2015 12:40:14 PM		0.6398 V/m	0.5798 V/m	0.5471 V/m
703	06/10/2015 12:40:24 PM		0.6509 V/m	0.5954 V/m	0.5195 V/m
704	06/10/2015 12:40:34 PM		0.6220 V/m	0.5806 V/m	0.5496 V/m
705	06/10/2015 12:40:44 PM		0.6325 V/m	0.5964 V/m	0.5476 V/m
706	06/10/2015 12:40:54 PM		0.6299 V/m	0.5888 V/m	0.5624 V/m
707	06/10/2015 12:41:04 PM		0.6732 V/m	0.6074 V/m	0.5521 V/m
708	06/10/2015 12:41:14 PM		0.6321 V/m	0.5985 V/m	0.5735 V/m
709	06/10/2015 12:41:24 PM		0.6109 V/m	0.5854 V/m	0.5545 V/m
710	06/10/2015 12:41:34 PM		0.6538 V/m	0.5900 V/m	0.5653 V/m
711	06/10/2015 12:41:44 PM		0.6420 V/m	0.5981 V/m	0.5667 V/m
712	06/10/2015 12:41:54 PM		0.6211 V/m	0.5895 V/m	0.5565 V/m
713	06/10/2015 12:42:04 PM		0.6699 V/m	0.6087 V/m	0.5629 V/m
714	06/10/2015 12:42:14 PM		0.6933 V/m	0.6506 V/m	0.6123 V/m
715	06/10/2015 12:42:24 PM		0.6789 V/m	0.6433 V/m	0.5904 V/m
716	06/10/2015 12:42:34 PM		0.6909 V/m	0.6162 V/m	0.5796 V/m
717	06/10/2015 12:42:44 PM		0.6833 V/m	0.6221 V/m	0.5811 V/m
718	06/10/2015 12:42:54 PM		0.6797 V/m	0.6413 V/m	0.5973 V/m
719	06/10/2015 12:43:04 PM		0.6756 V/m	0.6463 V/m	0.6105 V/m
720	06/10/2015 12:43:14 PM		0.6621 V/m	0.6249 V/m	0.5946 V/m

Graph



Parameters

Operating Mode	HIGH FREQUENCY
Number of Sub Indices	720
Storing Date	06/10/2015
Storing Time	10:43:14 AM
Dataset Type	TIM
Voice Comment Available	NO
Dataset Fine Type	T1
GPS Flag	NORMAL
Device Product Name	NBM-550
Device Serial Number	B-0777
Device Cal Due Date	08/06/2011
Probe Product Name	EF0391
Probe Serial Number	A-0882
Probe Cal Due Date	08/03/2011
Probe Field Type	E
Probe Connection Type	A
Probe Lower Frequency Limit A	100 kHz
Probe Upper Frequency Limit A	3 GHz
Probe Lower Frequency Limit B	100 kHz
Probe Upper Frequency Limit B	3 GHz
Probe Emin A	185.0 mV/m
Probe Emax A	300.0 V/m
Probe Emin B	185.0 mV/m
Probe Emax B	300.0 V/m
Shaped Probe	NO
Standard ID	1
Standard Name	FCC 1997 Occupational
Apply Standard	OFF
Frequency	100 kHz
Apply Correction Frequency	OFF
Eref_E(f)	614.0 V/m
Eref_H(f)	614.5 V/m
Combi Probe Use	E_H
Unit	V/m
Results Format	FIXED
Auto-Zero Interval	OFF
Result Type	-
Averaging Time	-
Average Progress	-
Spatial AVG Mode	-
Store Condition	-
Storing Range	-
Cond. Stop Time	-
Upper Threshold	-
Lower Threshold	-
Timer Interval	10 sec
Timer Duration	02:00:00
History Time Scale	-
Time progress of current segment	-

FOTOGRAFIE REJONU BADAŃ:



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



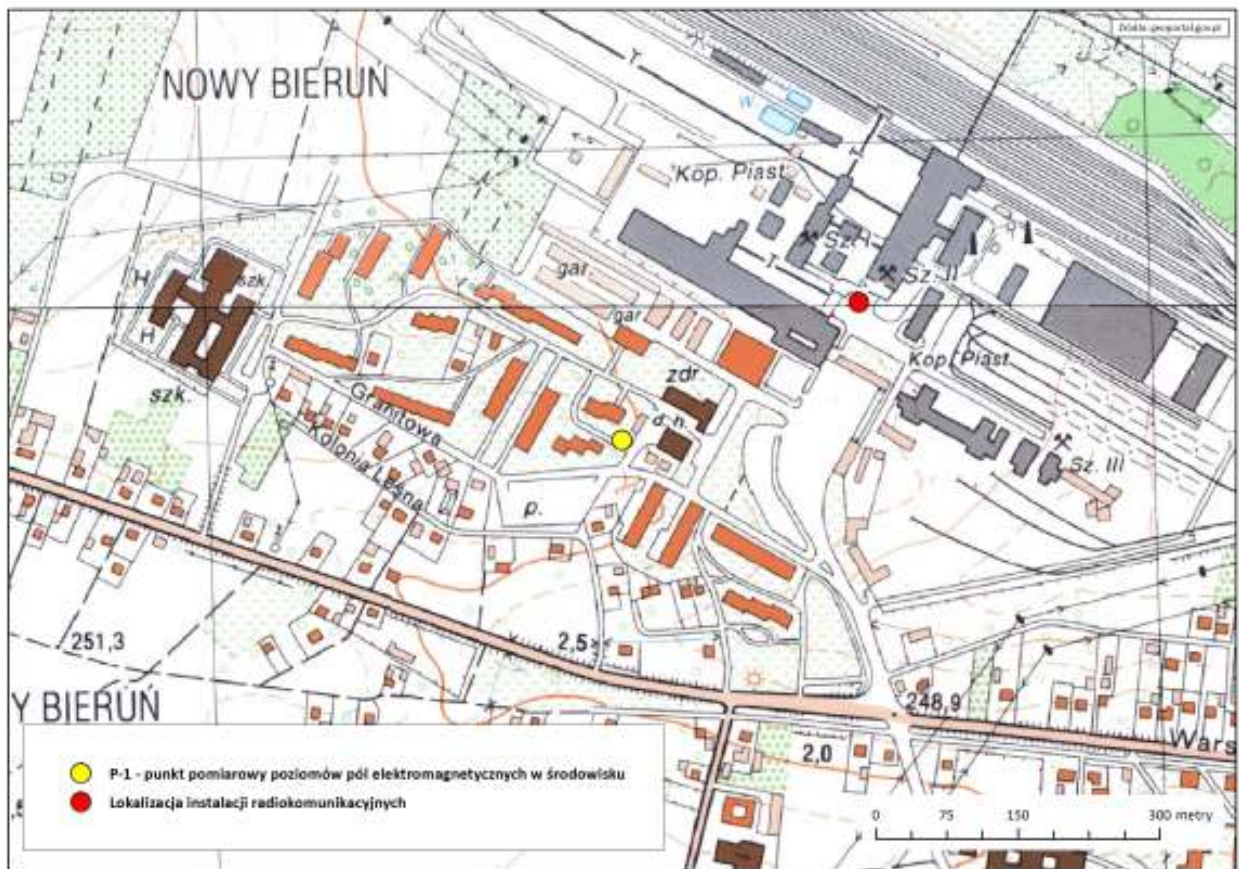
Fot. 2. Rejon badań, widok w kierunku zachodnim



Fot. 3. Rejon badań, widok w kierunku północno-wschodnim



Fot. 4. Urządzenie pomiarowe w trakcie prowadzonego badania



Ryc. Szkic sytuacyjny rejonu badań w miejscowości Bieruń.

Wyniki pomiarów i analiz widma pól elektromagnetycznych w zakresie częstotliwości od 27 MHz do 3 GHz, składowej elektrycznej E, V/m, w punkcie pomiarowym P-1 Bieruń:

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

$$E = 190,8 \text{ mV/m,}$$

na poziomie częstotliwości f: 955,999 MHz

(Ryc. 1: **Marker A**);

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

$$E = 543,9 \text{ mV/m;}$$

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

$$E = \text{mV/m;}$$

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

$$E = \text{mV/m;}$$

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

$$E = \text{mV/m;}$$

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

$$E = \text{mV/m;}$$

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

$$E = \text{mV/m;}$$

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

$$E = \text{mV/m;}$$

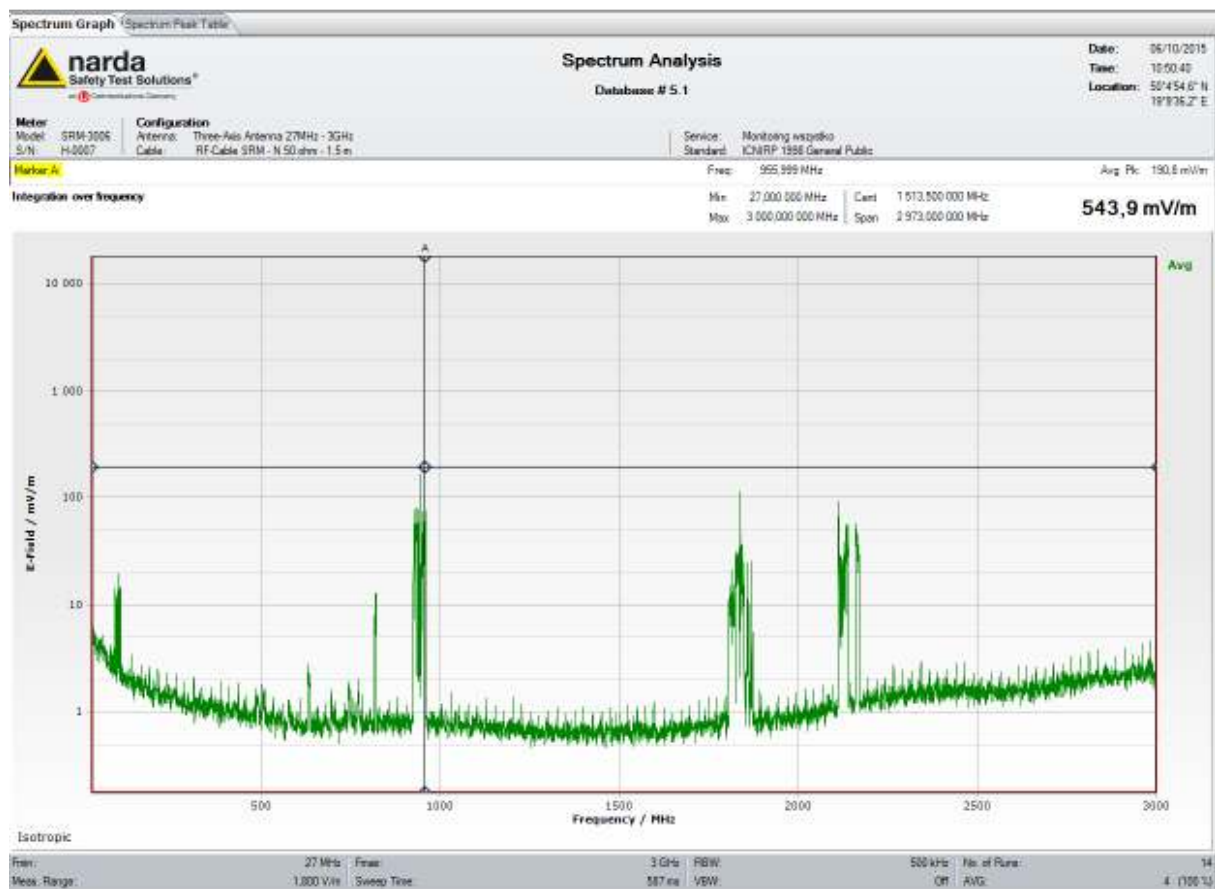
9. **E, V/m, wartość maksymalna określona w paśmie częstotliwości 850 MHz - 3 GHz,**

$$E = \text{mV/m;}$$

na poziomie częstotliwości f: 957,781 MHz

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

$$E = \text{mV/m;}$$



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

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

Tabela 1. Selektywny analizator pola elektromagnetycznego SRM – 3006, prod. Narda STS GmbH, Niemcy

Pomiar oraz analiza widma promieniowania elektromagnetycznego w środowisku Selektywny analizator pola elektromagnetycznego SRM - 3006, prod. Narda STS GmbH, Niemcy, wg wzoru	
Przyrząd Pomiarowy:	Rodzaj/Typ: Selective Radiation Meter Typ: SRM - 3006 P/N: 3006/01 S/N: H-0007 Producent: Narda Safety Test Solutions GmbH, Germany;
Sonda Pomiarowa:	Typ: Three-Axes-Antenna E-Field P/N: 23501/03 S/N: K-0560 Producent: j.w. Zakres: 27 MHz – 3 GHz
RF - cable:	Typ: RF - cable SRM Zakres: 9 kHz - 6 GHz Impedancja: N 50 Ohm Długość, L: 1,5 m P/N: 3602/01 S/N: AA-0583
Measurement principle:	Spectrum Analysis Mode

Zastosowany selektywny analizator pola elektromagnetycznego oraz sonda pomiarowa pola, posiadają stosowne świadectwa obsługi metrologicznej:

- Narda Selective Radiation Meter, Basic Unit, SRM-3006, P/N 3006/01, S/N H-0007:
 - *Calibration Certificate No.* 300061-H0007-20141111-249
Narda STS GmbH, D-72793 Pfullingen, Germany, 2014-11-11;
- Antenna, Three-Axis, E-Filed, 27 MHz to 3 GHz, P/N 3501/03, S/N K-0560:
 - *Calibration Certificate No.* 350103-K0560-141111
Narda STS GmbH, D-72793 Pfullingen, Germany, 2014-11-11;

INTERPRETACJE I WNIOSKI

W rejonie przedmiotowych pomiarów w badanym zakresie częstotliwości od 27 MHz do 3 GHz dominującymi źródłami PEM wysokiej częstotliwości, są stacje bazowe telefonii komórkowych, pracujące w paśmie 900 MHz oraz w nieco mniejszym stopniu 1800 MHz i 2100 MHz. Maksymalne poziomy w pasmie telefonii ruchomej osiągają 2% wartości dopuszczalnej (7 V/m) dla tego zakresu częstotliwości. W pozostałych pasmach brak stałych, silnych źródeł PEM.