

Zapis z badania konstruktorskiego nr 2015-05-15_1226

TABELA DLA HARMONICZNYCH

Customer:	ECS Piotr Paruszewski ul. H. Kołłątaja 2, 63-520 Grabów
EUT:	Generator ozonu ZY-H1159
Standard used:	PN-EN 61000-3-2:2007+A1:2010+A2:2010 (Quasi-stationary) Equipment class A $\leq$ 150% of the limit
Observation time:	600s
Windows width:	10 periods - (PN-EN 61000-4-7:2007+A1:2011)
Temperature:	(18-20)°C
Humidity:	(32-38) %
Tester:	Tomasz Woźnica
Checked by:	-
Description:	Urządzenie włączone do pracy ciągłej z maksymalną intensywnością wytwarzania ozonu

E. U. T. Result

Check harmonics 2..40 [exception odd 21..39]:

Harmonic(s) > 150%:	
Order (n):	None
Harmonic(s) with average > 100%:	
Order (n):	None

Check odd harmonics 21..39:

All Partial Odd Harmonics below partial limits.	
Harmonic(s) > 150%:	
Order (n):	None
Harmonic(s) with average > 150%:	
Order (n):	None

Power Source Result

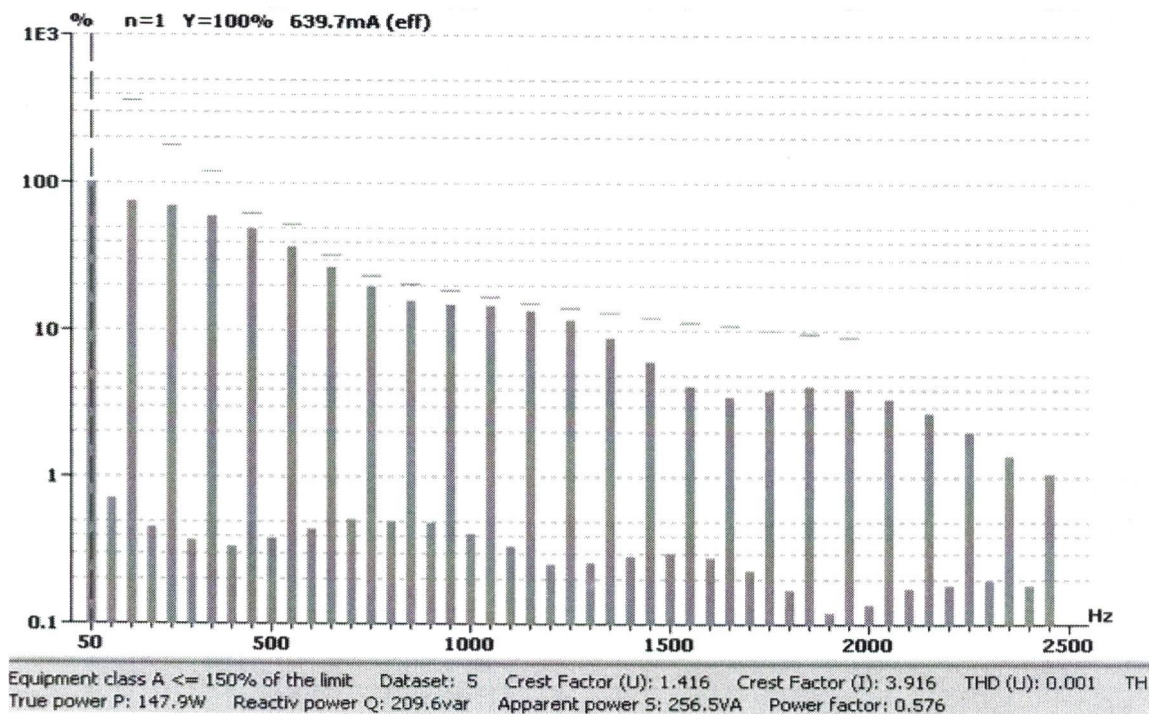
First dataset out of limit:	
DS (time):	None
Harmonic(s) out of limit:	
Order (n):	None

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Average harmonic current results				
Hn	I _{eff} [A]	% of Limit	Limit [A]	Result
1	635.333E-3			
2	4.845E-3			
3	470.158E-3	20.442	2.30	I _{eff} < Limit
4	3.219E-3			I _{eff} < Limit
5	440.765E-3	38.664	1.14	I _{eff} < Limit
6	2.617E-3			I _{eff} < Limit
7	379.569E-3	49.295	770.00E-3	I _{eff} < Limit
8	2.494E-3			I _{eff} < Limit
9	309.974E-3	77.493	400.00E-3	I _{eff} < Limit
10	2.719E-3			I _{eff} < Limit
11	237.293E-3	71.907	330.00E-3	I _{eff} < Limit
12	3.156E-3			I _{eff} < Limit
13	172.120E-3	81.962	210.00E-3	I _{eff} < Limit
14	3.516E-3			I _{eff} < Limit
15	124.578E-3	83.052	150.00E-3	I _{eff} < Limit
16	3.564E-3			I _{eff} < Limit
17	100.563E-3	75.983	132.35E-3	I _{eff} < Limit
18	3.328E-3			I _{eff} < Limit
19	94.498E-3	79.799	118.42E-3	I _{eff} < Limit
20	2.942E-3			I _{eff} < Limit
21	92.259E-3	57.407	160.71E-3	I _{eff} < Limit
22	2.405E-3			I _{eff} < Limit
23	85.826E-3	58.486	146.74E-3	I _{eff} < Limit
24	1.912E-3			I _{eff} < Limit
25	73.282E-3	54.283	135.00E-3	I _{eff} < Limit
26	1.855E-3			I _{eff} < Limit
27	56.453E-3	45.164	124.99E-3	I _{eff} < Limit
28	2.037E-3			I _{eff} < Limit
29	39.274E-3	33.745	116.39E-3	I _{eff} < Limit
30	2.085E-3			I _{eff} < Limit
31	26.387E-3	24.237	108.87E-3	I _{eff} < Limit
32	2.015E-3			I _{eff} < Limit
33	21.972E-3	21.485	102.27E-3	I _{eff} < Limit
34	1.555E-3			I _{eff} < Limit
35	23.951E-3	24.836	96.44E-3	I _{eff} < Limit
36	1.318E-3			I _{eff} < Limit
37	25.973E-3	28.475	91.21E-3	I _{eff} < Limit
38	1.036E-3			I _{eff} < Limit
39	25.256E-3	29.186	86.53E-3	I _{eff} < Limit
40	951.428E-6			I _{eff} < Limit

Harmonic currents less than 0.6% of the input current measured under the test conditions, or less than 5 mA, whichever is greater, are disregarded.

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Wykres 1. Wartości uśrednione poszczególnych prądów harmonicznnych, wyznaczone w całym okresie pomiarowym odniesione procentowo do pierwszej harmonicznej.



Fot. 1 Ustawienie EUT na stanowisku badawczym

(Date)

2015-06-24

(Sign)