

**PLUM Sp. z o.o.**  
**ul. Wspólna 19, Ignatki**  
**16-001 Kleosin**

### ENQUIRY NR 2019/04/04

We request to submit an offer for outward extension of electromagnetic compatibility workplace at laboratory.

#### **I. NAME AND ADDRESS OF ORDERING PARTY**

Plum sp. z o.o.  
ul. Wspólna 19,  
Ignatki 16-001 Kleosin  
NIP 9661427390  
REGON 050878784  
KRS 0000153696

#### **II. DESCRIPTION OF OFFER SUBJECT**

The subject of an offer is service of extending a workplace for researching electromagnetic field immunity of frequency compatible with EN 61000-4-3 i EN 61000-4-20 of frequency range 3 ÷ 6 GHz.

Technical parameters of extended workplace:

- 1) Type of measure chamber: GTEM 1500;
- 2) Frequency range: 80 MHz ÷ 3 GHz;
- 3) Field strength value: 10 V/m;
- 4) System of switching signal lines IMS produced by ROHDE&SCHWARZ (immunity/emission measurement in GTEM chamber);
- 5) Controlling software: EMC32 v8.53.0;

Technical parameters after workplace extension:

- 1) Increase of frequency range to 80 MHz ÷ 6 GHz;
- 2) Field strength value: 10 V/m available in whole frequency range;
- 3) System of switching signal lines adapted for frequency range increased to 6GHz (immunity/emission measurement in GTEM chamber);
- 4) Controlling software: software enabling control of equipment and calibration of field strength in GTEM chamber in range to 6 GHz - EMC32 v8.53.0 or newer;

Extention of workplace includes delivery:

**Table 1**

No.	Description	Additional requirements
1	Signal generator with range 80 MHz ÷ 6 GHz;	Ability to control with EMC32 program;
2	High frequency power amplifier enabling gaining field strength 10 V/m in range 3 GHz ÷ 6 GHz in GTEM 1500 chamber with ports for measurement of incident and reflected power;	Ability to work in system with EMC32 control program;
3	Power probe with range 80 MHz ÷ 6 GHz;	Ability to control EMC32 program;
4	Set for field strength calibration in GTEM 1500 chamber: isotropic probe of electric field with frequency range 80 MHz ÷ 6 GHz and laser power;	Ability to control with EMC32 program;
5	Modyfikacja systemu przełączania torów sygnałowych;	Adjustment to 6 GHz range;
6	EMC32 program;	Module for measurement of radiated emission in GTEM chamber;  Module to control workplace for researching immunity to electromagnetic field with frequency compatible with EN 61000-4-3 and EN 61000-4-20;

### III. RULES OF SUBMITTING AN OFFER:

1. The offer should include at least:
  - 1) Name and address of bidder
  - 2) Value of a bid (net), price (net), including all additional costs
  - 3) Bid expiration date (binding with offer) – 60 days minimum
  - 4) Estimated implementation time
  - 5) Signature of person authorised to represent bidder
  - 6) Statement that is attached in annex no. 1 to this enquiry

Person responsible for offers in technical matters: Łukasz Andruszkiewicz,  
e-mail: [lukasz.andruszkiewicz@plum.pl](mailto:lukasz.andruszkiewicz@plum.pl) phone (85) 749 71 33

### IV. PLACE AND TERM FOR SUBMITTING OFFERS:

1. Deadline for submitting offer expires on **22.04.2019 r. at 4:00 PM**
2. Offer should be lodged:
  - a) personally in seat of Plum sp. z o.o. ul. Wspólna 19, Ignatki 16-001 Kleosin, or
  - b) send by post (date of actual offer receiving is decisive) to a.m. address or electronically to [beata.kropiwnicka@plum.pl](mailto:beata.kropiwnicka@plum.pl).
3. Offer submitted after deadline will not be considered.
4. The bidder may change or withdraw an offer before expiration of submitting date.
5. During examination of the offers Ordering party may request bidder to provide explanations regarding submitted offer.
6. This enquiry is not obligatory for Ordering party to conclude agreement.

Statement

Acting on behalf ....., KRS: ..... I hereby declare, that:

- 1. I have familiarised with Enquiry and I do not raise any objections and accept all terms included into this Enquiry.
- 2. I conduct business and I possess necessary knowledge and experience in scope of services included in this enquiry and I am actually capable to perform the order, including among the others rights, technical and personnel potential, necessary to perform this order.
- 3. In case of acceptance the offer by Ordering party I undertake to conclude agreement at place and in term appointed by Ordering party.
- 4. Price for the service includes all actions described in enquiry and offer.
- 5. Expiry date of the offer (binding with offer) is 60 days counting from expiration date of submitting the offer.
- 6. Offer cannot be cancelled after submitting or during the period of binding with offer,
- 7. The following documents are integral part of the offer\*\*:

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*\*\* if copies are attached, they need to be certified to be true copy by Bidder.*

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/Date and Bidder's signature/