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|  | | **Doc. ECC/SE(16)089** |
| Working Group SE | |  |
| 74th Meeting of WG SEBled, Slovenia, 26 – 30 September 2016 | |  |
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| Date issued: | 14 September 2016 | |
| Source: | Ofcom (UK) | |
| Subject: | WPT Measurements in the UK | |

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| Password protection required? (Y/N) | **N** |

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| Summary: | Ofcom (UK) have taken measurements of a Wireless Power Transferbus charging system operating in the UK. The results are attached. |
| Proposal: | For information to WGSE |
| Background: | The frequency of operation is between 15 and 20 kHz and the charging is done at the rate of 120 kW using four 30 kW plates (set in the road surface). The measurements were undertaken using calibrated apparatus with the results defined in dBuA/m measured at 10m. This was done to allow easy comparison with the SRD limits over this frequency range. The measurements taken covered up to the 7th harmonic.  The conclusion of this measurement was that this installation had RF emissions that were within the limits specified for SRD.  This installation is designed so that the electric vehicle could be “coupled” and aligned with the charging plate with ease. |