



22ND INTERNATIONAL EMF PROJECT ADVISORY COMMITTEE (IAC) MEETING

Anatel Report on EMF Activities in Brazil

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1. Introduction

The main purpose of this document is to present an update of what has been done in Brazil regarding Electromagnetic Fields – EMF since the 21th IAC meeting in June 2016.

2. Activities related to EMF Exposure

Anatel' employee published two papers regarding EMF Exposure:

- Leandro Carísio Fernandes, “*The Design and Development of an App to Compute Exposure to Electromagnetic Fields [EM Programmer's Notebook]*”, IEEE Antennas and Propagation Magazine, Volume 59, Issue 2, April 2017, pp. 149-160.
 - This paper presents an Android App to estimate the exposure level due to base station radiation.
- Stevan Grubsic; Agostinho Linhares; TRAVASSOS, X. ; CARPES JR., W. . “*EMF Exposure Assessment in Proximity to Metallic Parapets*”. The 17th Biennial Conference on Electromagnetic Field Computation - IEEE CEFC 2016, 13-16/11/2016, 2016, Miami/FL/USA, 2016.
 - This paper presents RF-EMF exposure assessment carried out in an observatory recently opened for general public visitation, where there are many RF sources in the surrounding area.

3. New policies and legislations regarding EMF Exposure

The current Brazilian regulation concerning limits of human exposure to electromagnetic fields for frequencies between 9 kHz and 300 GHz is being revised. It now takes into account some of the forms of evaluating base stations described in Recommendation ITU-T K.100.

The draft of the new regulation was released for public comments in 2016. Anatel is analyzing the contributions for the final version of the new regulation.

4. Final comments

Finally, ANATEL continues to keep an open dialogue with society, operators, lawmakers and other governmental authorities to present clear information about what is being done in Brazil and worldwide regarding EMF exposure issues, always following WHO points of view.