



Commission for  
**Communications Regulation**

# **Publication of the Raw Field Strength Data Underlying the Drive Test Results; from the Winter 2016 Drive Test, 16 November to 17 December 2016.**

## **Information Notice**

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**An Coimisiún um Rialáil Cumarsáide**

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## Additional Information

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# 1 Background

1. The excel files associated with this document<sup>1</sup> present the raw field strength data (“Raw Data”) underlying the results of the Commission for Communication Regulation’s (“ComReg”) Drive Testing Programme (“Drive Test”) carried out between 16 November 2016 and 17 December 2016, by its contractor Advanced Wireless Technologies Group Limited (“AWTG”)<sup>2</sup> and presented in ComReg Document No. 17/25.
2. The Drive Tests are carried out across all of the relevant frequency bands and licence types simultaneously in order to assess the Mobile Network Operators’ (“MNO”) compliance with the obligations of their respective licences.
3. The MNOs that currently hold licences in Ireland are:
  - Three Ireland Hutchison Limited (“3IHL”)<sup>3</sup>;
  - Meteor Mobile Communications Limited (“Meteor”); and
  - Vodafone Ireland Limited (“Vodafone”).
4. These results represent a snapshot of how the individual MNOs networks performed in relation to the measurement of field strength at the time the measurements were taken. The measurements were performed where there was the ability to place a call at a specific location at a specific time using a standard handset and all measurements were performed from a vehicle containing a computer controlled

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<sup>1</sup> 17/68 (a) to (o) inclusive

<sup>2</sup> AWTG, were selected following an Invitation To Tender process detailed in ComReg Document No. 14/86a which was published on both e-tenders and in the Official Journal of the European Union.

<sup>3</sup> Noting that, 3IHL holds two sets of licences, pursuant to both the Wireless Telegraphy (Third Generation and GSM Licence) Regulations, 2002 and 2003 (“Third Generation Licences”) and the Wireless Telegraphy (Liberalised Use and Preparatory Licences in the 800 MHz, 900 MHz and 1800 MHz Bands) Regulations 2012 (“Liberalised use Licences”). In the Excel tables associated with this document, the original set of 3IHL licences are referred to as “3IHL 1” and the former Three Ireland Services (Hutchison) Limited<sup>3</sup> licences are referred to as “3IHL 2”.

measuring system<sup>4</sup>, which acts as a 'handset', matching a European Telecommunications Standards Institute ("ETSI") standard handset<sup>5</sup>.

5. ComReg is publishing this data to increase transparency in this important market sector.
6. ComReg is committed to publishing similar data for future drive tests that it will undertake.

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<sup>4</sup> This consists of the Anite Nemo Invex II measurement server, connected to both Samsung Note 4 handsets and the Nemo FSR 1 Multiband Scanner. Measurements are terminated at servers located in Ireland.

<sup>5</sup> 3GPP TS 36.101