

Second Declaration of Dr. Jonathan Wells

Petition for *Inter Partes* Review  
of U.S. Patent No. 8,102,833

**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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HUAWEI DEVICE CO., LTD.,  
Petitioner

v.

OPTIS CELLULAR TECHNOLOGY, LLC,  
Patent Owner

Case No. To Be Assigned  
Patent No. 8,102,833

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**SECOND DECLARATION OF DR. JONATHAN WELLS  
IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NO. 8,102,833: CLAIMS 1-14**

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## I. INTRODUCTION

1. My name is Jonathan Wells, and I have been retained as an expert on behalf of Huawei Device Co., Ltd. (“Huawei”), the Petitioner in the present proceeding. I am being compensated at my usual and customary hourly rate. I have no financial interest in, or affiliation with, the petitioner, real parties-in-interest, or the Patent Owner, which I understand to be Optis Cellular Technology, LLC. My compensation is not dependent upon the outcome of, or my testimony in, the present *inter partes* review or any related litigation proceedings.

2. My opinions are based on my years of education, research and experience, as well as my investigation and study of relevant materials. The materials that I studied for this declaration include all exhibits of the petition.

3. I may rely upon my knowledge and experience, the materials set forth in Section III below, and/or additional materials to rebut arguments raised by the Patent Owner. Further, I may also consider additional documents and information in forming any opinions, including documents that may not yet have been provided to me.

4. My analysis of the materials produced in this litigation is ongoing and I will continue to review any new material as it is provided. This Declaration represents only those opinions I have formed to date. I reserve the right to revise,

supplement, and/or amend my opinions stated herein based on new information and on my continuing analysis of the materials already provided.

## II. QUALIFICATIONS

5. I am an expert in the field of wireless communications. I have studied, taught, practiced, and researched this field for thirty years. I summarize in this section my educational background, work experience, and other relevant qualifications. My curriculum vitae is attached as Exhibit 1009.

6. I earned my Bachelor of Science degrees in Physics and Physical Electronics with First Class Honors from the University of Bath in 1987. In 1991, I earned my Ph.D. in Microwave Physics from the University of Bath. I earned my Masters of Business Administration with distinction in 1998 from Massey University in New Zealand.

7. From 1990 to 1992, I worked at the University of Bath as a Postdoctoral Research Officer. During this time, I researched and developed novel integrated semiconductor devices, including developing software models to predict the performance of these and other devices. I also taught undergraduate classes and ran laboratory sessions.

8. From 1993 to 1994, I was a Senior Design Engineer at Matra Marconi Space, where I developed integrated electronic components and space-qualified sub-systems for two satellite payloads.

9. From 1994 to 1998, I was employed by MAS Technology (now Aviat Networks) in Wellington, New Zealand; first as a Senior Design Engineer before being promoted to Engineering Group Manager. During this time, I was responsible for hardware development for three families of telecommunication equipment and sustaining development for a family of satellite ground station terminals. I personally designed a wide range of RF devices, and was responsible for the company's European regulatory approvals.

10. From 1998 to 2000, I was with Adaptive Broadband (now GE Digital Energy) in Rochester, NY, first as an Engineering Group Leader, and then as Director of Wideband Products. In this latter role, I had full profit and loss responsibility for the Terrestrial Infrastructure Group, where I also oversaw the development of a family of digital radios and associated switching and multiplexing equipment.

11. From 2000 to 2004, I was Director of Product Development at Stratex Networks (now Aviat Networks) in San Jose, CA. At Stratex Networks I was responsible for global product development of a portfolio of high-end digital microwave radios primarily for cellular applications. I led a development team of 35 engineers, and provided technical leadership of Stratex's flagship Eclipse product.

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