

## CBICT - Capacity building through ICT: The Satcom element

# CIRCUM

## Communication Informatique pour la Réconciliation et la Culture a Man

### Man (Ivory Coast)


#### **Technical Architecture**

#### **Attachment 1**

#### **Victoria Centre – CHR Hospital path**

## Document History

<i>version</i>	<i>date</i>	<i>note</i>
1.0	30 March 2009	First version

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## 1. Introduction

The ActNow Alliance CIRCUM project is part of the CBICT project (task 4).

The project is in partnership with CBICT consortium and a group of NGOs that operate in the field (all members of ActNow Alliance). The intervention area is located in Man, a city in the West of Ivory Coast.

The Technical Architecture Document describes the technical infrastructure of the DVB-RCS satellite station and the WiFi distribution that provides the services to the connected users.

Please refer to this document for the description of the whole system.

The present document describes the connection path from Victoria Centre to CHR Hospital used by the WiFi connection.

## 2. Radio link simulation

The distance between the 2 point is 2240 mt.

Victoria Centre coordinates:

Lat: 07° 23' 53.6" N - Long: 7° 33' 58.1" W – Elev: 361 m

CHR Hospital coordinates:

Lat: 07° 24' 21.6" N - Long: 7° 32' 50.9" W – Elev: 343 m

the Radio Link simulation of the WiFi link is the as follows (on the left of the chart is CHR, on the right the Victoria Center).

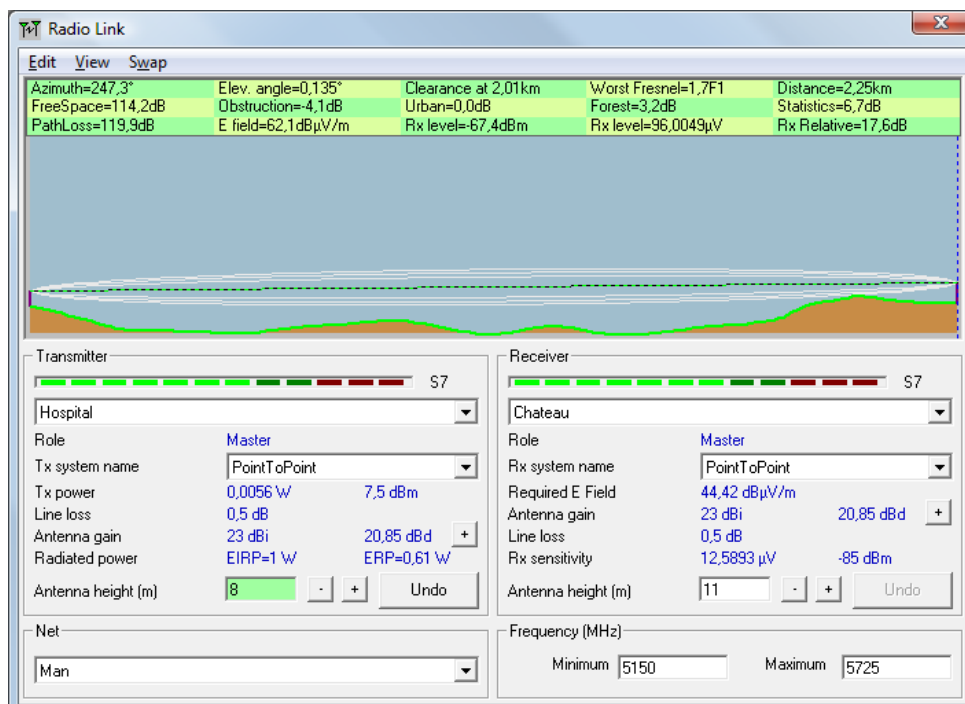


Fig. 1: WiFi Link simulation

### 3. Victoria Center – CHR Hospital path



Fig. 2 – part 1 (the image is taken from Google Earth)



Fig. 3 – part 2 (the image is taken from Google Earth)