



**MB/TCB/Application Letter/H9P4121CDMA**

27<sup>th</sup> April 2005

BABT  
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KT12 4RQ

**Subject: Request for Original Equipment Grant (H9P4121CDMA)**

This certification request is for the Symbol Mobile Computer with FCC ID: H9P4121CDMA.

Symbol Technologies has integrated three approved radio transmitters into a new terminal, these radios are identified below:

**Approved Radios**

Symbol, LA-4137, 802.11b Compact Flash Radio	FCC ID: H9PLA4137
Symbol, 21, Bluetooth Radio Module	FCC ID: H9P2164381
Motorola C18, Dual band CDMA Radio	FCC ID: IHDT56CW1

No electrical or mechanical modifications were made to these transmitters from the time of the original FCC submission.

**Intended Use**

The Data Terminal is designed to be used in the hand and can be clipped onto the users belt using a Symbol supplied Belt Clip.

**SAR**

A SAR Report is submitted to support a 'portable' FCC application. The worst case RF Exposure SAR test results data (0.714 W/kg), taken in direct contact (0 cm), is under the current 1.6 W/kg limit set in 2.1093 for portable devices.

**Collocation**

The WWAN (CDMA) and WPAN (Bluetooth) radios are able to transmit at the same time, testing has been performed to show compliance.

## Antennas

New antennas were used with each transmitter as follows:

<b>Radio</b>	<b>Antenna P/N</b>	<b>Type</b>	<b>Gain (Av)</b>
WLAN radio	10-674160-03	Monopole	-4dBi
WPAN module	10-674160-03	Monopole	-4dBi
WWAN radio	10-674160-03	Monopole	-5dBi

*Symbol respectfully request that the Antenna Type and Gain be listed in the comments section of the Grant*

## Exhibits

The following Exhibits are electronically submitted as attachments.

<b>Exhibit</b>	<b>Description</b>	<b>Confidential</b>
1	ID Label/Location Info	
3	External Photos	
4	Block Diagram	<b>x</b>
5	Schematics Antenna Information	<b>x</b>
6	Technical Report - FCC Report/ 01/ 02 / 03 Single Transmit - FCC Report/ 04/ 05 Simultaneous Transmit	
7	Test Setup Photographs	
8	User Manual - Regulatory Information Sheet	
9	Internal Photos	
10	Parts List	<b>x</b>
11	RF Exposure - SAR Report	
12	Operating Description	<b>x</b>
13	Cover Letters - Agent letter	
14	Confidentiality Letter	

Respectfully,



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