



Regulatory Engineering

MB/TCB/Application Letter/H9P4121CDMA

27th April 2005

BABT
34 Molesey Road
WALTON-ON-THAMES
Surrey
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:

Radio	Antenna P/N	Type	Gain (Av)
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.

Exhibit	Description	Confidential
1	ID Label/Location Info	
3	External Photos	
4	Block Diagram	x
5	Schematics Antenna Information	x
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	x
11	RF Exposure - SAR Report	
12	Operating Description	x
13	Cover Letters - Agent letter	
14	Confidentiality Letter	

Respectfully,



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