Subj:	**Re: Cellular Modems and Bluetooth**
Date:	3/26/01 12:07:58 PM Pacific Standard Time
From:	*FCOPERIC@fcc.gov (Frank Coperich)*
To:	*CEkyle@aol.com*

In response to your questions:

1.) It is expected that the original unit will perform the same - except for radiated spurious emissions (RSE) in the new package. Therefore, the test for RSE needs to be re-done.

2.) The unit is to be tested in the complete new package. If this new package has two separate transmitters, then the SAR / MPE evaluation would be based on the levels produced by both transmitters.

3.) The Grant will state the maximum antenna gain and types that be used based on the information you have supplied.

(I am sorry for the delay in providing this response - I have been out of the office.)

>>> <CEkyle@aol.com> 03/06/01 12:10PM >>>
In a message dated 3/5/01 11:32:18 AM Pacific Standard Time, FCOPERIC@fcc.gov
writes:

<< 1.) The application for unit FCC ID: APV0896 was submitted on April 11,
1996 and approved on June 10, 1996. This was before the Rules were adopted
for RF exposure. Therefore, any application using this device must respond to
the RF exposure requirements: include SAR measurements for portable units and
MPE measurements for mobile units. (See Sections 2.1091 and 2.1093 of FCC
R&R). This is true regardless of whether the original unit was configured as
a "Module".

2.) The compliance with the RF exposure requirements must be demonstrated
for each antenna type (to be) used.
  >>

Hello Mr. Coperic,

Thank you so much for your detailed response. I do have a couple more
questions to clarify. We understood that the device will have to be
evaluated for MPE/SAR. Do the rest of the tests need to be repeated, such as
radiated emissions, conducted antenna emissions, etc.?

This cell module will be placed in a "fleet management system" which is
installed trucks in order to track them. The system contains a 900 MHz
transmitter and a GPS receiver, as well as the cell module. Can we just
perform the tests on the system without the cell module installed, and then
just submit the SAR/MPE measurement data with the application, since the cell
module was already approved in 1996? Or should the tests on the system be
performed with the cell module installed and active?

The customer had stated that the buyer would select which antenna he needs,
and in your response you mention that each antenna would have to be evaluated
for SAR/MPE. Does the customer have any options, other than to test each
antenna?

Any further guidance you can provide would be greatly appreciated.

Thank you,

Kyle Fujimoto

CEKyle@aol.com
Compatible Electronics -- Brea Division

----------------------- Headers -------------------------------
Return-Path: <FCOPERIC@fcc.gov>
Received: from rly-xb05.mx.aol.com (rly-xb05.mail.aol.com [172.20.105.106]) by air-xb04.mail.aol.com (v77_r1.36) with ESMTP; Mon, 26 Mar 2001 15:07:58 -0500
Received: from gatekeeper2.fcc.gov (gatekeeper2.fcc.gov [192.104.54.4]) by rly-xb05.mx.aol.com (v77_r1.36) with ESMTP; Mon, 26 Mar 2001 15:07:18 -0500
Received: by gatekeeper2.fcc.gov; id PAA05675; Mon, 26 Mar 2001 15:07:16 -0500 (EST)
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  id xma005565; Mon, 26 Mar 01 15:06:27 -0500
Received: from ROUTE_A-Message_Server by fcc.gov
  with Novell_GroupWise; Mon, 26 Mar 2001 15:06:28 -0500
Message-Id: <sabf5af4.031@fcc.gov>
X-Mailer: Novell GroupWise 5.5.2
Date: Mon, 26 Mar 2001 15:05:51 -0500
From: "Frank Coperich" <FCOPERIC@fcc.gov>
To: <CEkyle@aol.com>
Subject: Re: Cellular Modems and Bluetooth
Mime-Version: 1.0
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Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline