

To: fcoperic@fcc.gov
From: Bill Moyer x8-3542 <wmoyer@qualcomm.com>
Subject: Requested Information: FCC ID: J9CGSCK1A
Cc: pguckian, sgalati, mcarosel, pcoan, bwallace
Bcc:

X-Attachments:

Frank Coperich:

This e-mail will be printed to disk using PDFWriter and submitted as an attachment pdf file via the filing submissions webpage. It is also being sent to you directly in parallel so that we will have a record of what was submitted, that being something the Webpage does not always provide due to time-out problems. My responses to your specific questions and comments are interleaved below in blue italics so that they may be more readily discerned.

Date: Thu, 27 Apr 2000 15:49:43 -0400
From: oetech@fccsun07w.fcc.gov (OET)
To: wmoyer
Subject:

To: William Moyer, Qualcomm Incorporated
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID J9CGSCK1A
Applicant: Qualcomm Incorporated
Correspondence Reference Number: 13676
731 Confirmation Number: EA97413
Date of Original E-Mail: 04/27/2000

1. The RF exposure CAUTION statement included in step number 5 of the GCK-1410 Hands-Free Car Kit installation sheet requires revision. The statement needs to alert users and installers that the 25 cm separation distance is required for satisfying FCC RF exposure compliance requirement and the antenna should be installed in manners that will provide this distance from persons. Please revise accordingly and upload the relevant pages.

The GCK-1410 MPE minimum separation distance requirement statement and regulatory basis (FCC and International Standards) are presented in the Qualcomm Globalstar GCK-1410 Hands-Free Car Kit Installation/User Guide (Exhibit E.11a CK Use Guide 80-98438.pdf) Introduction, "Exposure to Radio Frequency Signals" Section (pp. 5-6) and "Mounting the ODU Section" (pp. 22-23), and in the Caution Note for Step 5 of the Installation Sheet for the Globalstar GCK-1410 Hands-Free Car Kit (Exhibit E.11b 80-99094-1ML 8_Instal.pdf).

The Caution note for Installation Sheet Step 5, Mounting the ODU, was intended to amplify, not replace the MPE minimum separation distance requirement language in the Installation/User Guide. However per your request, the Installation Sheet Step 5 Caution Note is being modified as per the new GCK-1410 Installation Sheet Change Page Instructions, uploaded with this response as Exhibit E.11c Install Sheet Change.pdf.

2. The car-kit cradle that interfaces to this amplifier/booster/extender has a pigtail cable allowing connection to a cellular antenna. Please confirm that the device has no provisions for operating at frequencies other than those requested for this filing. Cellular antenna operating configurations are dependent on what are approved for an individual phone/device that have to satisfy MPE requirements. This needs to be clarified at appropriate locations of the manual.

As discussed in Section 3.9 of Exhibit E.01 GCK-1410 General.pdf, the Car Kit provides only a passive pass-through coaxial cable connectivity between the 3rd party-provided coaxial extender cable and external vehicle mount cellular antenna, and the Tri-Mode Portable Phone inserted within the Car Kit Cradle.

Per the analysis presented in Section 3.9 (reprising our earlier response to Question No. 6 in the Tri-Mode Portable UT (J9CGSTM1), Form 731 Confirmation No. EA94735, Correspondence Ref. No. 9295, FCC Request for Information), the resultant radiated terrestrial-mode transmit power will be less than 1.5 W ERP at a distance greater than 20 cm from the body, meeting the MPE low-power categorical exclusion criterion of 47 CFR Ch.1 (10-01-99) Part 2, §2.1091 (c).

Appropriate separation distance (20 cm) language is included in the GCK-1410 Installation Sheet Change Page Instructions (Exhibit E.11c Install Sheet Change.pdf) and will be incorporated in a new Caution Note for Step 3 on the Installation Sheet.