



July 31, 2009

Regulatory Engineering

To: Andy Leimer

Response to FCC Correspondence Number: 37840

Re: FCC ID: UZ7MC9596

Correspondence Reference Number: 37840

731 Confirmation Number: EA626904

Question 1)

Concerning user manual exhibit, i.e. 2.1033(c)(3) for licensed or 2.1033(b)(3) for unlicensed end-user operating/installation instructions, please note that submitting only the "regulatory information" portion of user instructions generally is not sufficient. For this and all future filings, applicant and test-lab/agent please ensure to submit complete end-user product operating instructions.

Response 1)

These are commercial / industrial products that normally get configured by a companies IT department to load necessary applications and install system settings. A Quick Start Guide and Regulatory Guide are shipped with every product for the End User. The Users Guide is 180 pages and available on request or online and is normally reserved for the companies IT department. These products are normally ordered/shipped to a customer in bulk 10 to a box.

See file MC95XX Series Regulatory Guide.pdf

See file MC9500 Users Guide.pdf

Question 2)

At present op. desc. exhibits "folder" contains two documents, i.e. "MC95XX Series Quick Start Guide" and 1-page "Antenna Position"; i.e. op. desc. for transmitter portion not found. For this and all future filings, applicant and test-lab/agent please ensure to submit complete op. desc. for transmitter portion, also describing host product details associated with transmitter(s) operation and integration. {- for licensed, see especially 2.1033 (c)(4), (c)(6), (c)(7), (c)(8), (c)(10), (c)(13) - for unlicensed, see especially 2.1033 (b)(4), (b)(8) - Operational or technical description regarding how the device operates, is modulated and meets requirements. - Describe the EUT completely. What is it? (in plain english as well as in technical terms). Give functional description.



- A user manual exhibit is not a substitute for an operational description exhibit. - Always describe the signal such as modulation type, pulse repetition rate, signal type, information being sent.}

Response 2) The MC9596 contains a combination of three radio transmitters. The Bluetooth transmitter is a Broadcom BCM2046 Radio Module. The 802.11 abg WLAN transmitter is the Symbol Radio Module (FCC ID: H9P219129955). The GSM Radio is the Siemens HC25 radio module. The Theory Of operations contains a full description of the terminal and the three radios.

See file MC959X_Theory_of_Operation.pdf

See file Siemens_HC25_HSDPA_GSM_Theory_of_Operation.pdf

See file BCM2046_Theory_of_Operations.pdf

See file 21-92955_Theory_of_Operation.pdf

Question 3)

For quick-start guide, fyi we will put this under exhibit type "User Manual", AND we will reset this to short-term confidentiality not permanent confidentiality.

Response 3)

Agree; will pass along the direction to the organization that initiated the upload.

Question 4)

We note SAR report mentions pre-filing testing guidance inquiry KDB 878710; fyi we will insert the KDB number into Form-731 "Related to a KDB Inquiry" field. For future filings, applicant and/or test-lab/agent please ensure to insert pre-filing KDB inquiry number into Form-731.

Response 3)

Agree; will pass along the direction to the organization that initiated the upload.

Question 5)

For bottom-end WWAN antenna (i.e. "WAN1" in "Antenna Position" op. desc. exhibit) and "alpha primary" vs "alpha wide" product versions, please explain/show, in terms of specific chassis-assembly internal photos, whether and how nearby metallic structures are same (or differ) for both versions.



Response 5)

The attached file shows the size shape and construction structures for both of the both of the keypads.

See File MC9596_Keypads.pdf

Question 6)

SAR page 5 (i.e. rept. SA980313L04-3) says version "HSDPA 2D Alpha Primary" is "worst case" - please give details about what is meant here by worst-case and how that was established (i.e. considering also other question herein about "primary" vs "wide" product versions, ETC.).

Response 6)

The attached file documents the engineering evaluation that was conducted to arrive at the "Worst Case".

See File Worst case evaluation.pdf

Respectfully,

A handwritten signature in cursive script, reading 'Mark S. Luksich'.

Mark S. Luksich

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