


**This document was generated in response to a request for additional technical information by Steven Dayhoff (FCC) in regards to the FCC approval of the UNDP-1. The information included in related to the specific topics discussed in the following email received by Lin Lu on Dec. 20, 2007:**

**From:** Generic Office of Engineering Technology [oetech@fccsun27w.fcc.gov]  
**Sent:** Thursday, December 20, 2007 12:51 PM  
**To:** Lu, Lin  
**Subject:** Info Request



**Office of Engineering and Technology**

To:á LináLu, QUALCOMM Incorporated  
From:á StevenáDayhoff  
Steven.Dayhoff@fcc.gov  
FCC Equipment Authorization Branch

Applicant:á Qualcomm Incorporated  
FCC ID:á J9CUNDP-1  
Form 731 Confirmation Number: EA982387  
Date of Original E-Mail: 12/20/2007  
Correspondence Reference Number: 34561

1) User manual mentions

"Additional suggestions are provided in Antenna Design Guidelines for Laptop and Notebook Computers (80-H2929-1)."

- please submit these installation instructions

2) fyi-only: op desc exhibit includes info about "FCC Modular Requirements" - note that Modular Approval procedures in FCC Public Notice DA-00-140 7 (see also FCC-07-56) are for Part 15 devices only; FCC does not have corresponding procedures for modules in licensed radio services; requirements of 15.203 (unique antenna) and 15.204 (transmitter and antenna marketed as system) are not directly applicable for licensed modules.

3) fyi emission designator summary tables in op desc, test report, etc have error, i.e.

GMSK

824.2-848.8 248KGXW

1850.2-1909.8 250KG7W <- error

8PSK

824.2-848.8 248KGXW <- error

1850.2-1909.8 245KG7W

4) Besides MPE, filing must document antenna configurations in compliance with service-rule ERP/EIRP limits, if any. MPE exhibit has 873 mW with 4 dBi antenna = 2.2 W EIRP; per 24.232(c) max EIRP is 2 W - please revise MPE and other parts of filing where appropriate, e.g. user manual etc.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal pursuant to Section 2.917 (c) and forfeiture of the filing fee pursuant to section 1.1108. DO NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at [www.fcc.gov](http://www.fcc.gov), Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

**Question #1: User manual mentions “Additional suggestions are provided in Antenna Design Guidelines for Laptop and Notebook Computers (80-H2929-1)”. Please submit these installation instructions**

Qualcomm: The requested document has been uploaded with this correspondence. This document is Qualcomm proprietary material. So the confidentiality request letter has been updated and submitted to include the requested document.

**Question #2: fyi-only**

**Question #3: fyi**

**Question #4: Besides MPE, filing must document antenna configurations in compliance with service-rule ERP/EIRP limits, if any. MPE exhibit has 873 mW with 4 dBi antenna = 2.2 W EIRP; per 24.232 (c) max EIRP is 2 W - please revise MPE and other parts of filling where appropriate, e.g. user manual etc.**

Qualcomm: The MPE evaluation report and User’s Guide have been revised as the maximum antenna gain in PCS band must not exceed 3.5 dBi to ensure the configuration in compliance with the requirements specified in FCC CFR 47 §1.1310, 2.1091 as well as 24.232(c). The relevant documents have been updated with this correspondence.