

From: Estrella Gil-P19838 [Gil.Estrella@gd-decisionsystems.com]
Sent: Friday, April 26, 2002 2:11 PM
To: 'RWG@ETLSemko.com'
Cc: Danielle Gravelle (E-mail)
Subject: RE: Sebring FCC ID: IHDT6NJ1

Roland,
In response to your comments below:

Administrative

1) The Interface Specification provided under Exhibit 8 is the only documentation provided with the L-Band Transceiver. This specification has recently been updated to include the RF Exposure information and is attached for your review.

2) You are correct, the actual emission designator should be 41K7Q7W. I apologize for the error.

3) Attached is a revised Exhibit 1 with a photo of the actual label including the FCC identifier.

Technical

1) That is correct, the average power is derived from the 9.2% duty cycle as noted.

2) The antenna information is attached as "9522_Ant_Info.pdf". The attachment includes the pages from the Iridium Accessory brochure indicating the maximum gain for each antenna type used to derive the expected EIRP levels shown on the first page. The use of any of these antennas does not rely on specific attenuation of the connecting cable to meet the maximum power requirements. The estimated minimum cable losses are shown in the table.

I hope these responses adequately address your questions and comments. Thank you very much and let me know if you have further questions.

Regards,
Gil Estrella
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-----Original Message-----

From: RWG@ETLSemko.com [mailto:RWG@ETLSemko.com]
Sent: Thursday, April 25, 2002 4:16 PM
To: Gil.Estrella@gd-decisionsystems.com
Cc: DGravelle@ETLSemko.com
Subject: Sebring FCC ID: IHDT6NJ1

Gil:

Technical review of your application is complete, and the device appears to meet the requirements for certification. However, we note the following:

Administrative

- 1) I cannot find a user manual (installation and operating instructions). This would also contain any RF exposure information. Please indicate where it is located, or provide.
- 2) The emission designator in the Form 731 is given as 47K7Q7W. This is clearly incorrect, as the test report and Operational Description justify a designator of 41K7Q7W. We will amend the Form 731 Form here for filing purposes.
- 3) The FCC ID: label is shown as "FCC ID: Not approved." A facsimile of the final intended label, with the correct FCC identifier, is needed.

Technical

- 1) The RF conducted power output is described as 0.1 - 0.645W average, 7W peak. The Operational description refers to a transmission burst 8.28 ms every 90 ms, for a duty cycle of 9.2%. Applying the 9.2% duty cycle to 7W results in an average of 0.644W. Is this how the relationship between average and peak power is determined?
- 2) The power limits in Part 25 are given in terms of eirp power density. Please provide antenna gain information for the patch and mast antennas, to assess compliance where only conducted measurements are provided. Please provide commercial specifications, if available. If the use of the remote patch antenna relies on specific attenuation of the connecting cable, please provide information on the attenuation required.

Thank you,
Roland Gubisch
ITS