

Attn: Mr. Joe Dichoso
FCC Application Processing Branch

Re: FCC ID HLZMPCI-101
Applicant: Acer Incorporated
Correspondence Reference Number: 22219
731 Confirmation Number: EA581743

Dear Mr. Dichoso:

The information needed is listed below:

1). The complete manual of the notebook PC in PDF format is **uploaded dated on 3/22/2002** (User's manual for Notebook Part 1—3).

2). The peak gain from antenna spec. is 3dBi. The power output (EIRP) is 78.5mW.
Please refer to antenna spec. as attached in page 48, 49 of Part 15C test report

The peak gain from antenna test report is 1.13 dBi. (for all directions) The power output (EIRP) is 51.0mW

The peak gain of the user's laptop directions is 0.79dBi. The power output (EIRP) is 47.2 mW

The user's laptop directions are defined as the X-Z plane of notebook.

The antenna test report is **uploaded dated on 4/12/2002** for your evaluation. (antenna test report)

3). When the notebook PC is placed on the laptop of user,
the minimum distance from the antenna of subject device to human leg is 2.52 cm.

Note: Please refer the photos **uploaded dated on 4/12/2002** (thickness-1, thickness-2).

The thickness from the notebook bottom edge to the far edge of transmit antenna is 30.36 mm.

The thickness of transmit antenna is 5.16mm.

So we got the distance from notebook bottom edge to the near edge of transmit antenna
is $30.36 - 5.16 = 25.2\text{mm} = 2.52\text{cm}$

According FCC OET 65 supplement C Sec. 3 Table 1 (Page 17, 18)
APPLICABLE METHODS TO ENSURE COMPLIANCE FOR SPREAD SPECTRUM TRANSMITTER

For device operated at distances D: $D < 2.5\text{cm}$, frequency : 2450MHz (page 18)

- 1). power output (EIRP) greater than 50mW-100mW: SAR evaluation may needed.
- 2). power output (EIRP) less than 50mW: Use warning instruction in user's manual is enough.

For device operated at distances D: $D < 5\text{cm}$, frequency : 2450MHz (page 18)

- 1). power output (EIRP) greater than 400mW: SAR evaluation needed.
- 2). power output (EIRP) between 200mW and 400mW: Can use warning instruction and label.
- 3). power output (EIRP) less than 200mW: Not any method is required.

The operation conditions of MPCI-101 is listed below:

The minimum operated distance of MPCI-101 is 2.52cm.

The peak power output (EIRP) of MPCI-101 in user's laptop directions is 47.2mW. (peak gain = 0.79dBi)

According to OET65C guideline listed above and the operation conditions of MCPI-101,

we think we can use warning instruction in user's manual to ensure compliance of RF EXPOSURE.

The warning instruction for RF exposure in user's manual of MPC1-101 is revised as needed.
The revised manual is also **uploaded** dated on 4/12/2002 (**revised P1 for MPC1-101**).

Uploaded files reference in this letter

- A. complete manual for Notebook 3/22/2002
- B. antenna test report 4/12/2002
- C. 2 photos 4/12/2002
- D. revised P1 for MPC1-101 user's manual 4/12/2002

If you have any other questions or additional information needed, please contact me through e-mail.

Your earliest assistance would be highly appreciated.

best regards

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International Standards Laboratory